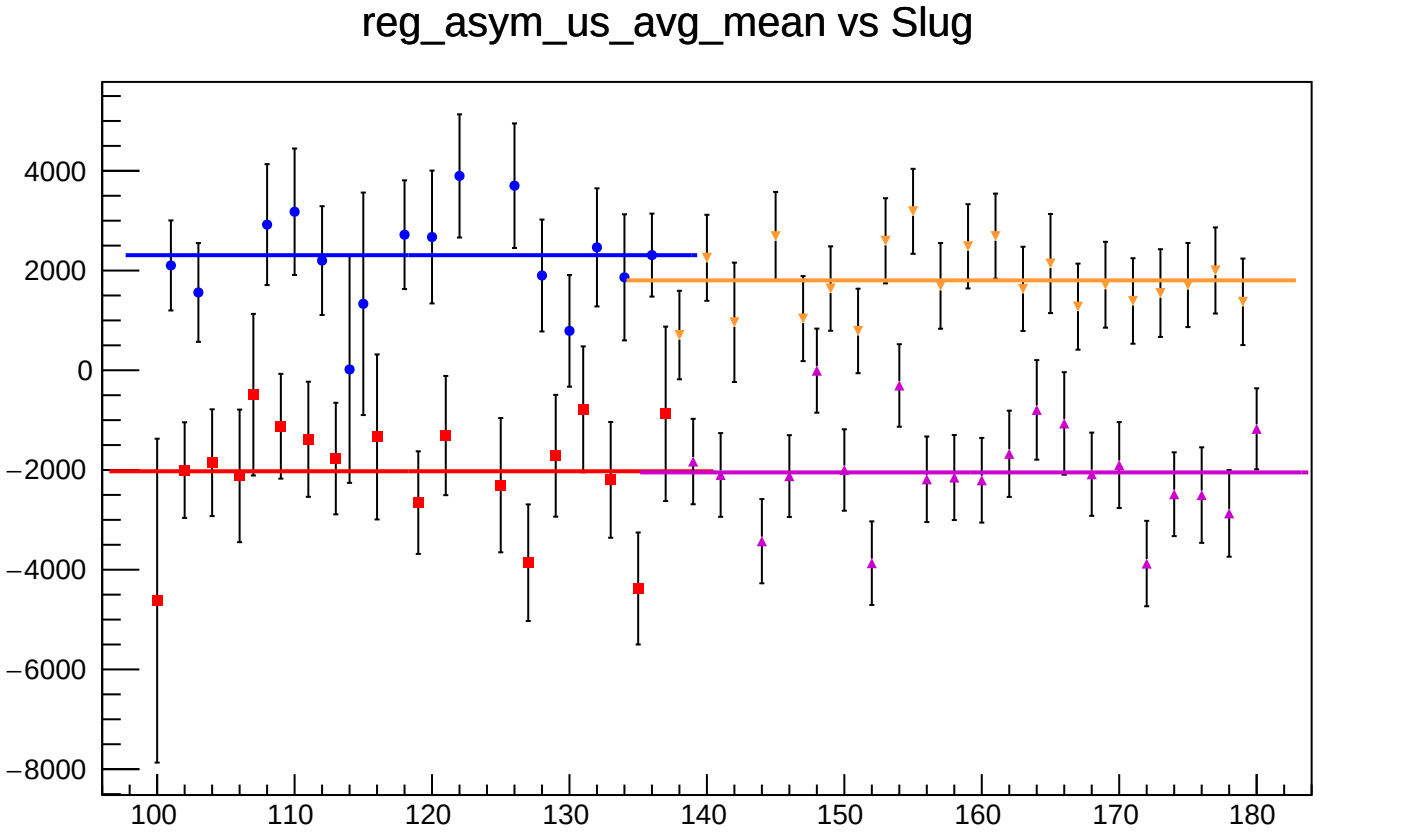


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

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

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

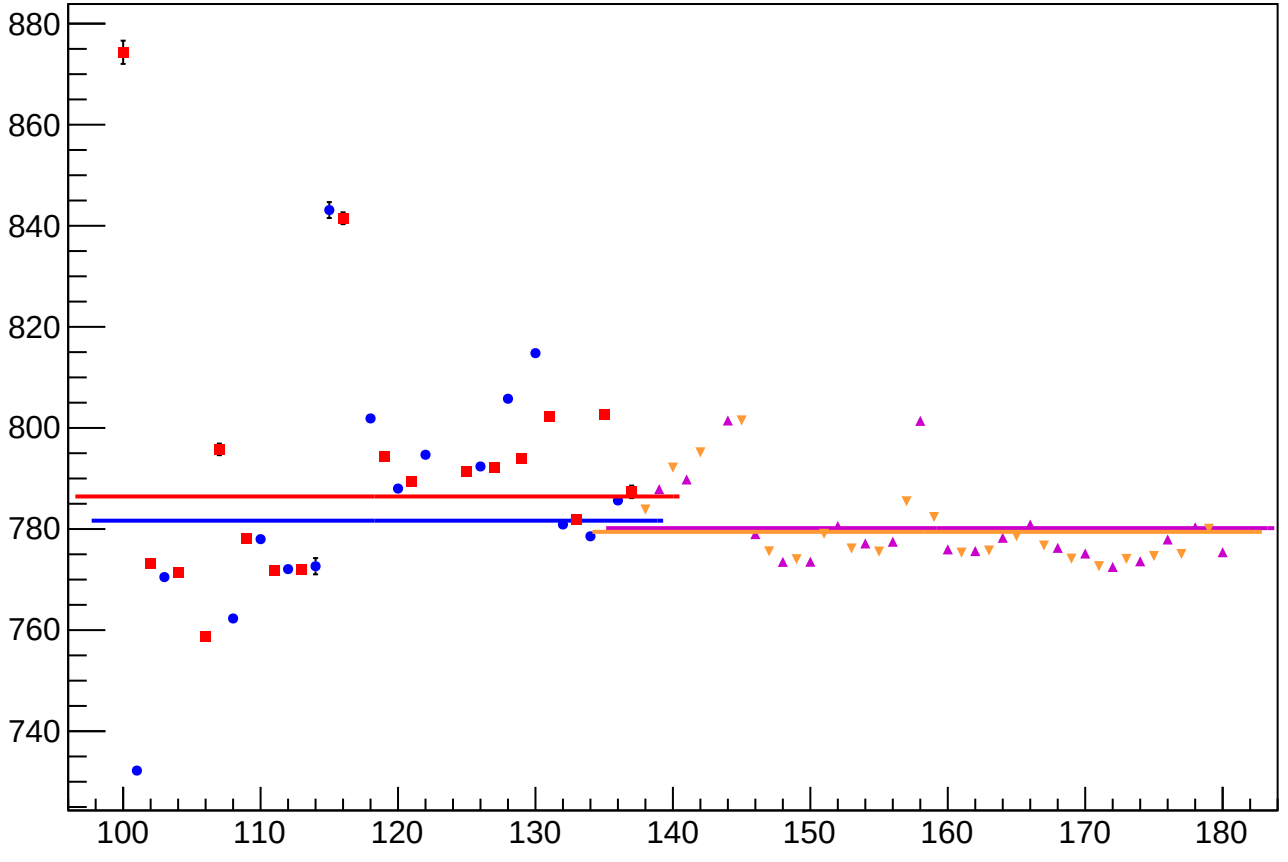
Left In: -2048.475+/-187.829 χ^2/NDF:27.6/20

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

All: -66.942+/-112.119 χ^2/NDF: 379.2/75

- 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: 779.445+/-0.135 χ^2/NDF:2875.2/20

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

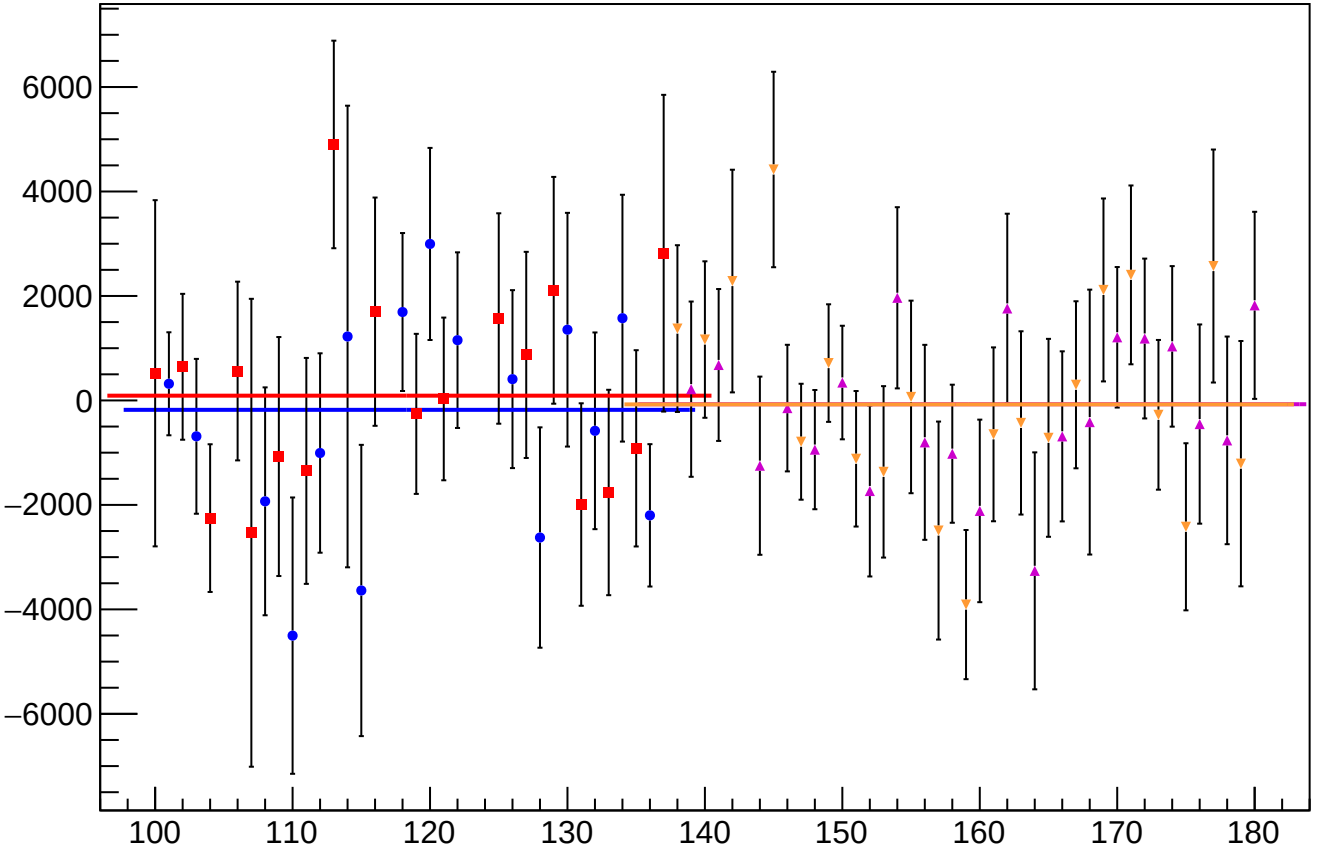
Left In: 780.179+/-0.133 χ^2/NDF:3829.0/20

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

All: 781.083+/-0.079 χ^2/NDF: 27110.5/75

- 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: -75.618+/-349.034 χ^2/NDF:27.0/20

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

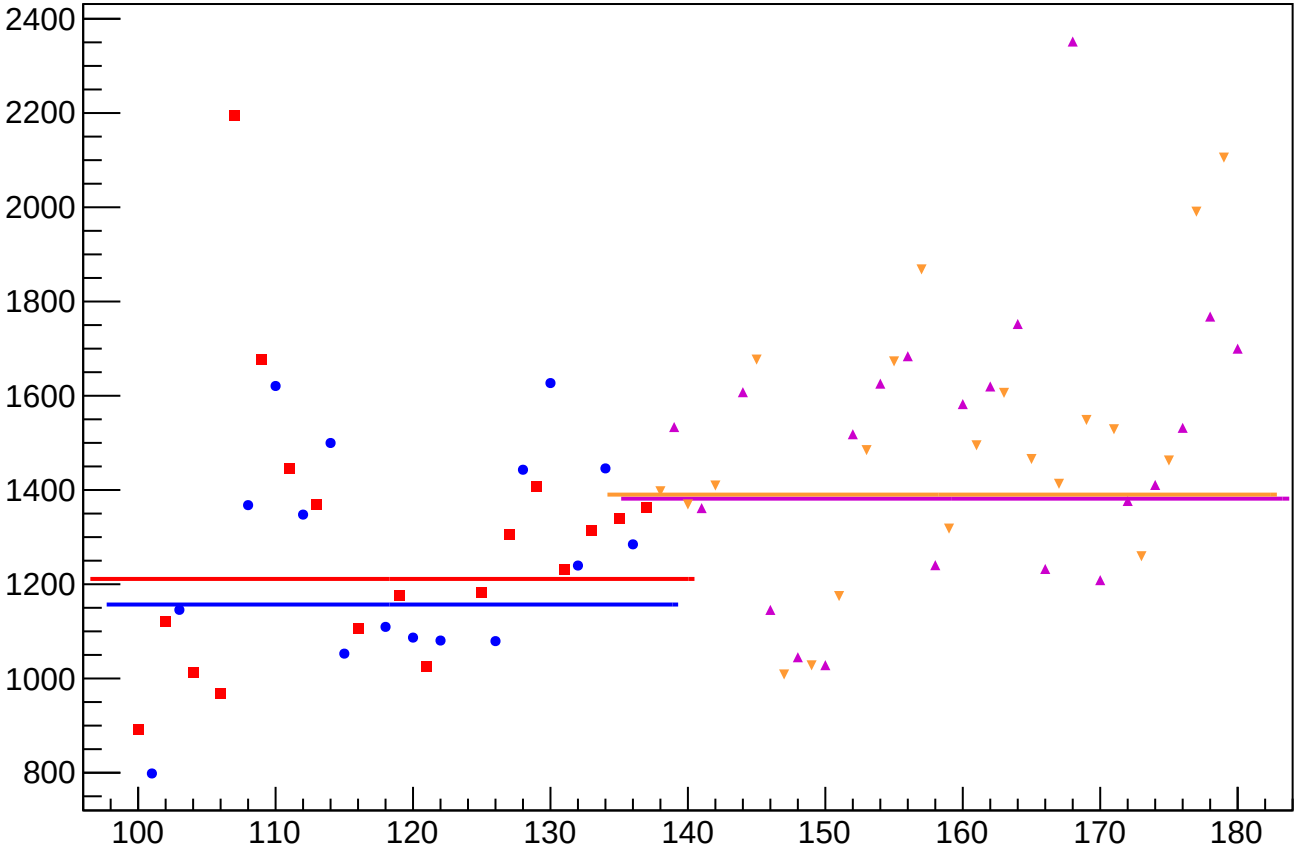
Left In: -72.497+/-340.311 χ^2/NDF:12.5/20

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

All: -64.549+/-193.078 χ^2/NDF: 70.3/75

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

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

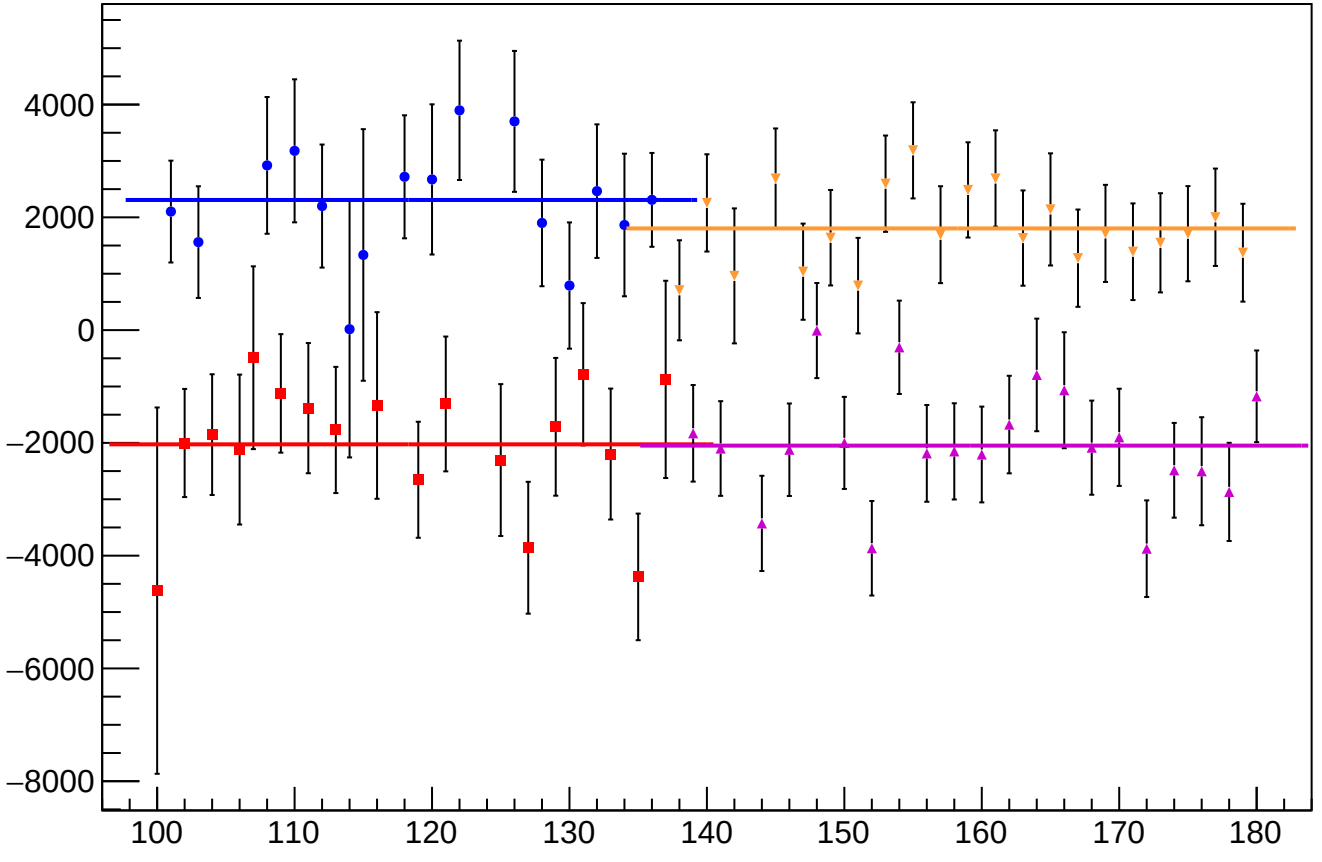
Left In: 1381.658+/-0.241 χ^2/NDF:1250674.4/20

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

All: 1310.455+/-0.137 χ^2/NDF: 3879924.7/75

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

cor_asym_us_avg_mean vs Slug



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

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

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

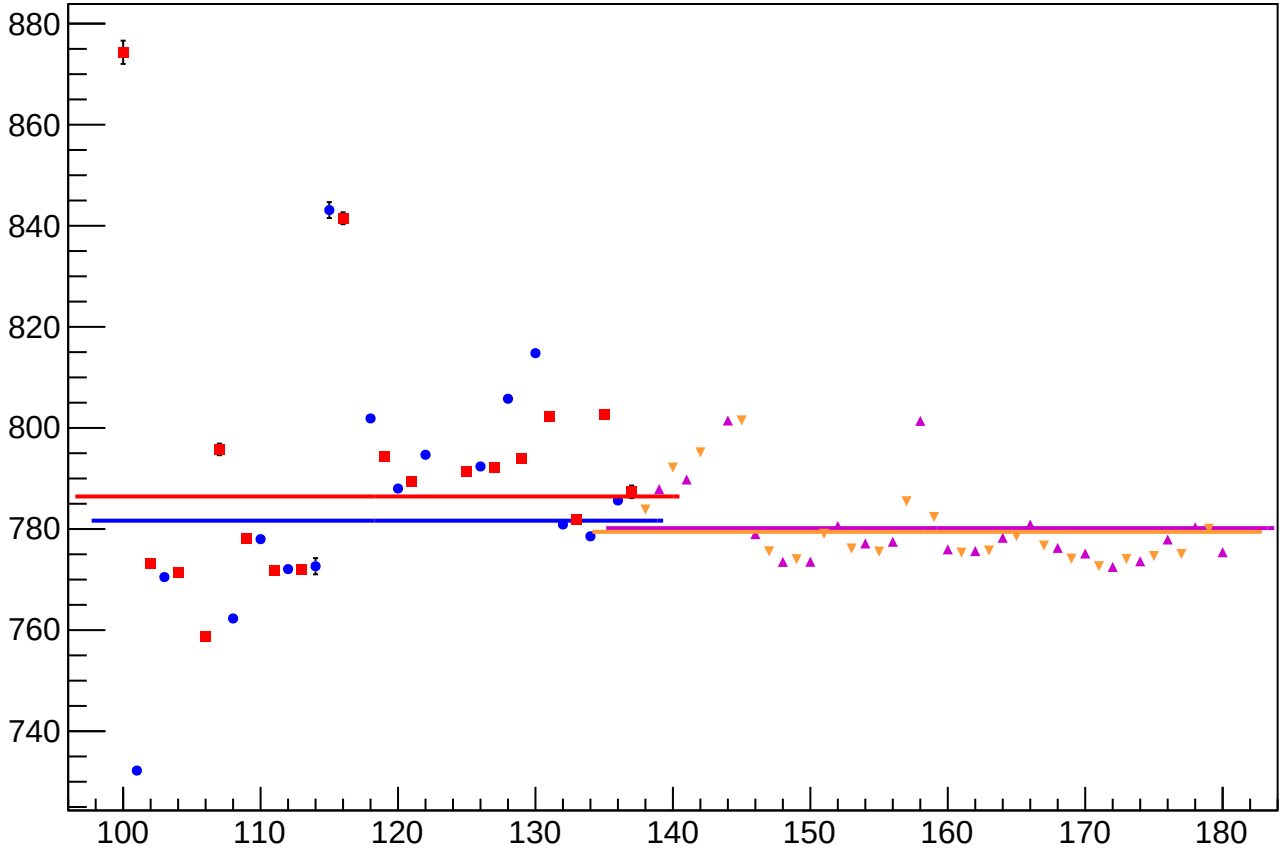
Left In: -2048.475+/-187.829 χ^2/NDF:27.6/20

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

All: -66.942+/-112.119 χ^2/NDF: 379.2/75

- 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: 779.445+/-0.135 χ^2/NDF:2875.2/20

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

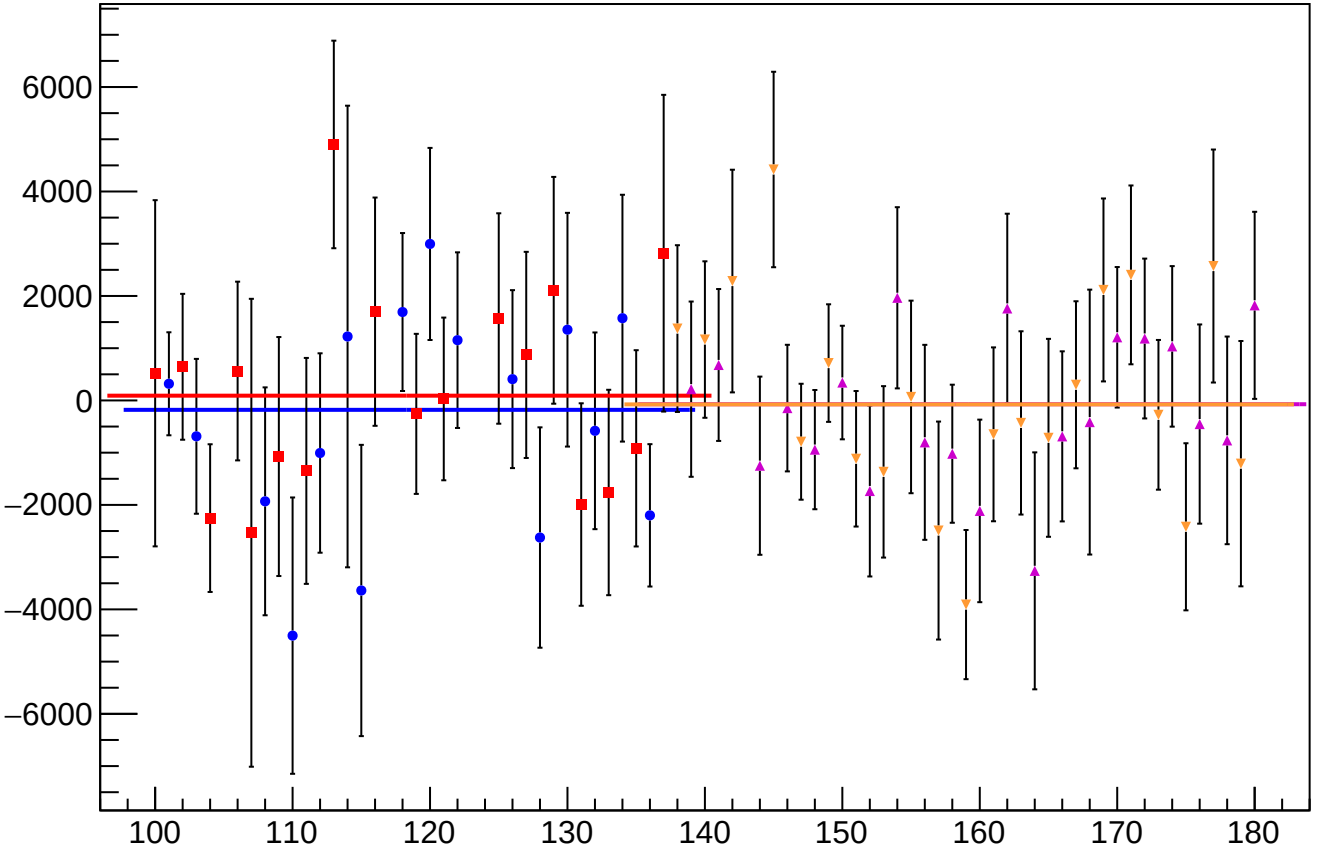
Left In: 780.179+/-0.133 χ^2/NDF:3829.0/20

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

All: 781.083+/-0.079 χ^2/NDF: 27110.5/75

- 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: -75.618+/-349.034 χ^2/NDF:27.0/20

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

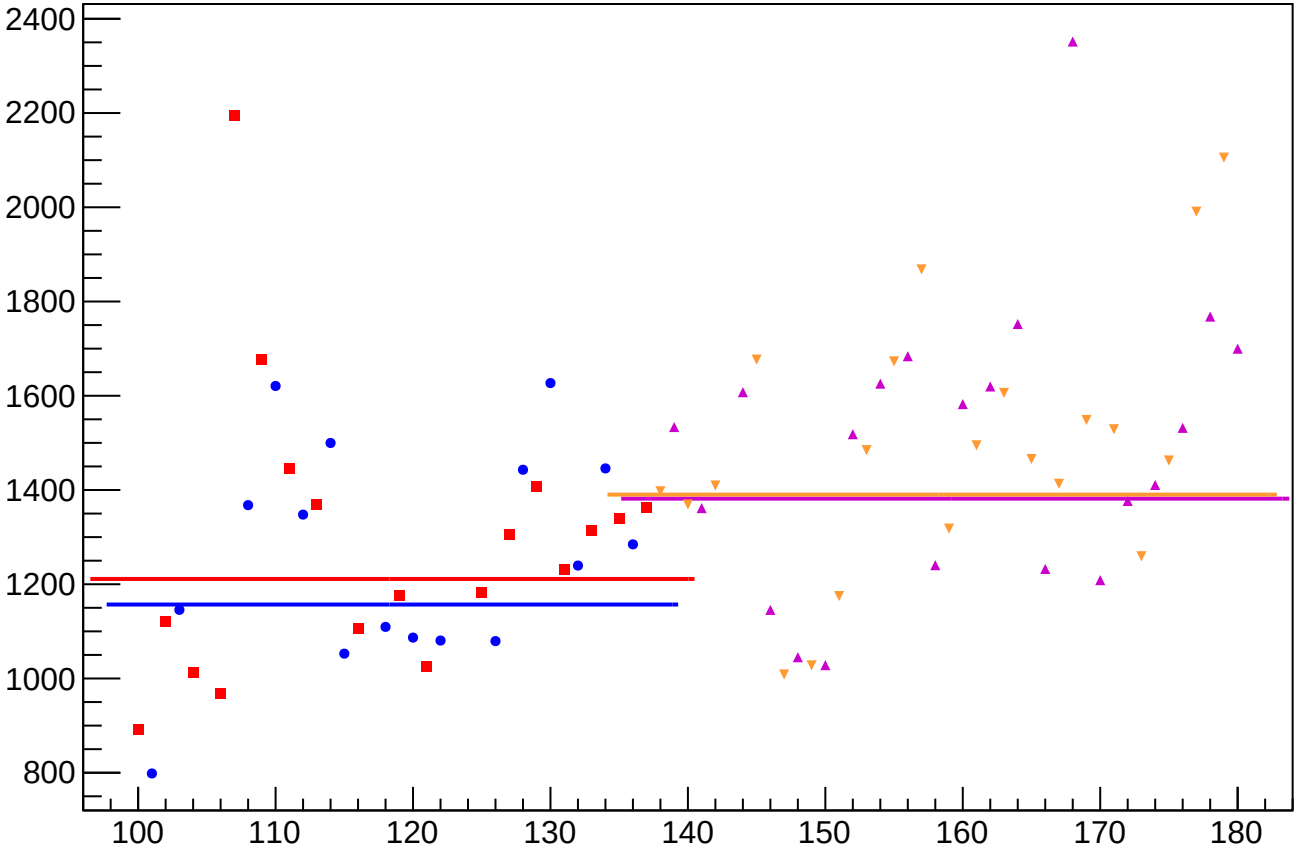
Left In: -72.497+/-340.311 χ^2/NDF:12.5/20

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

All: -64.549+/-193.078 χ^2/NDF: 70.3/75

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

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

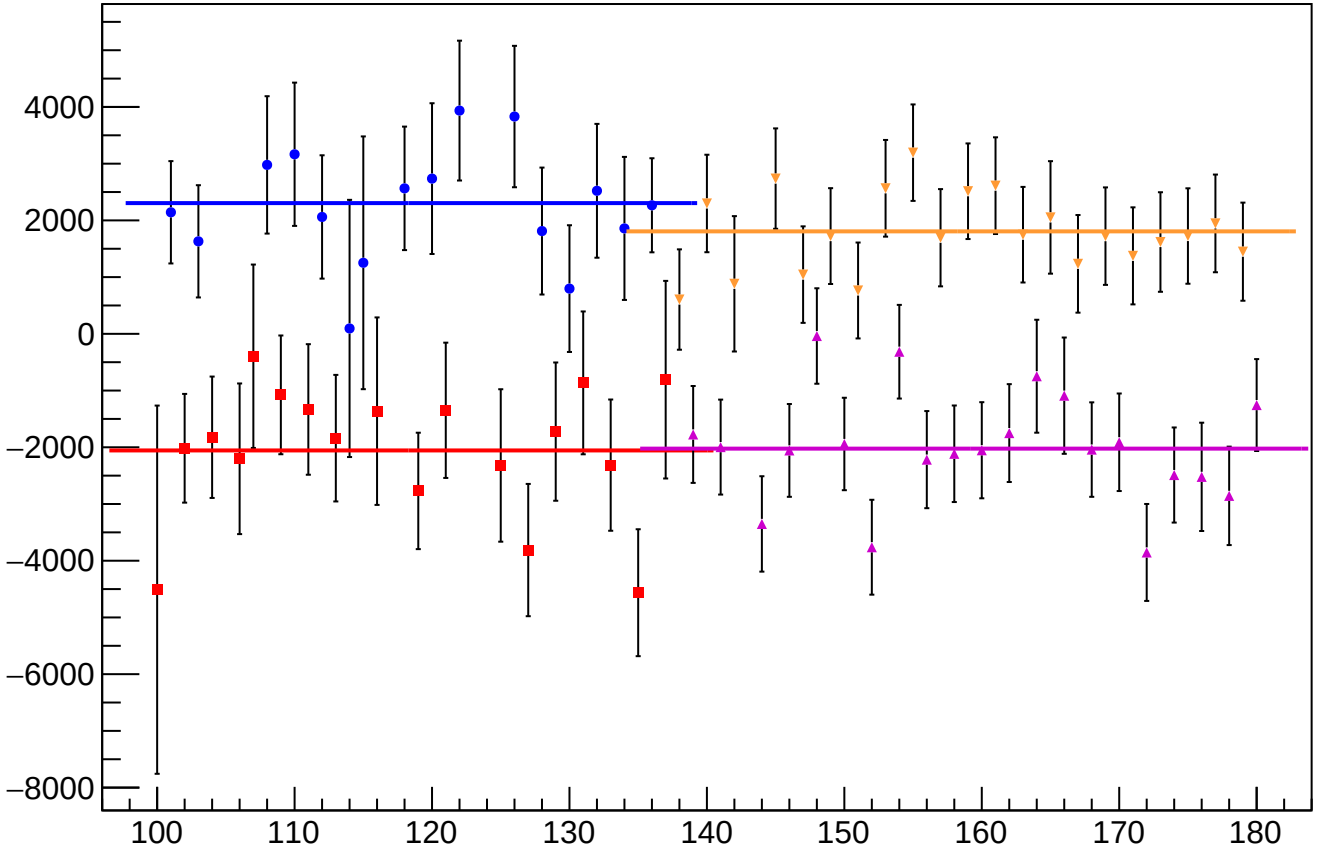
Left In: 1381.658+/-0.241 χ^2/NDF:1250674.4/20

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

All: 1310.455+/-0.137 χ^2/NDF: 3879924.7/75

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

overload_cor_asym_us_avg_mean vs Slug



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

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

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

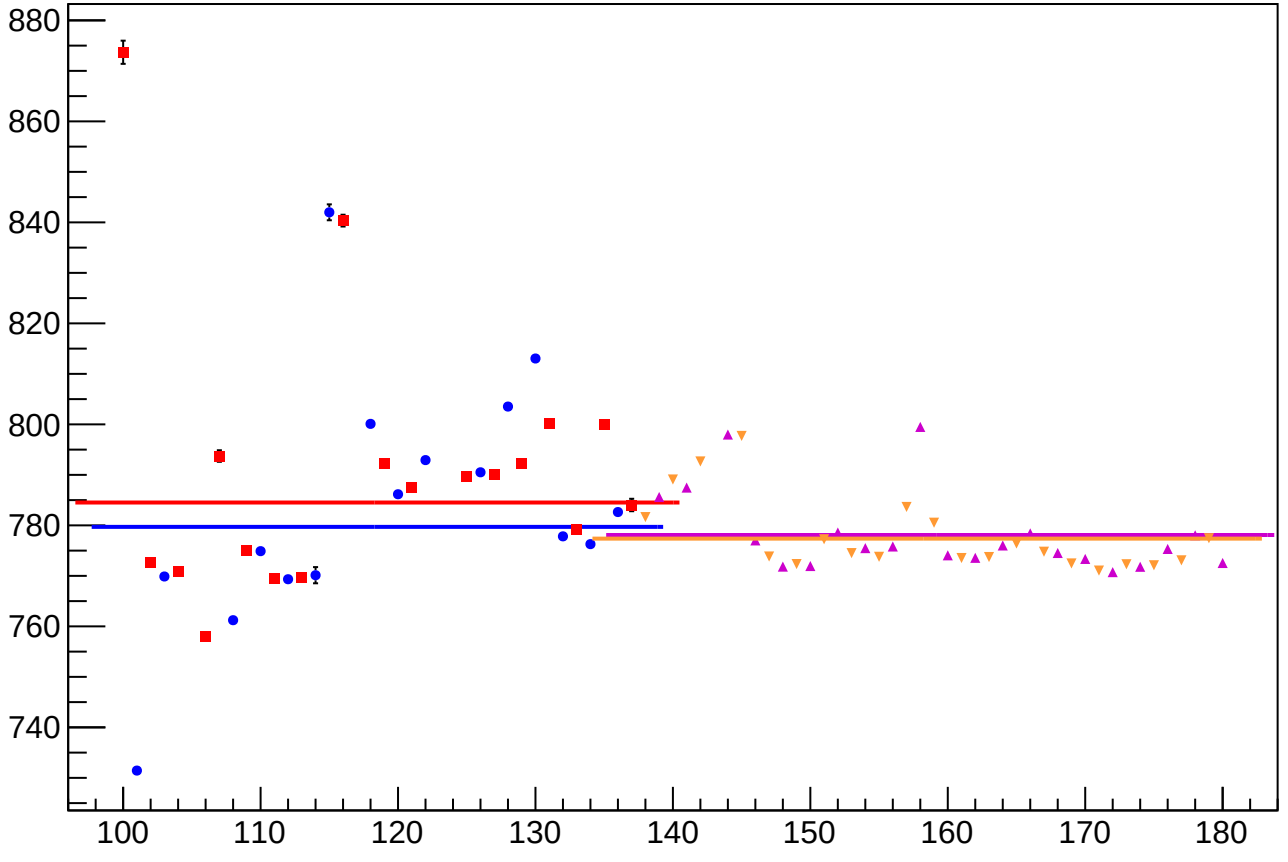
Left In: -2023.869+/-187.326 χ^2/NDF:26.4/20

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

All: -62.146+/-111.826 χ^2/NDF: 380.0/75

- 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: 777.374+/-0.135 χ^2/NDF:2569.5/20

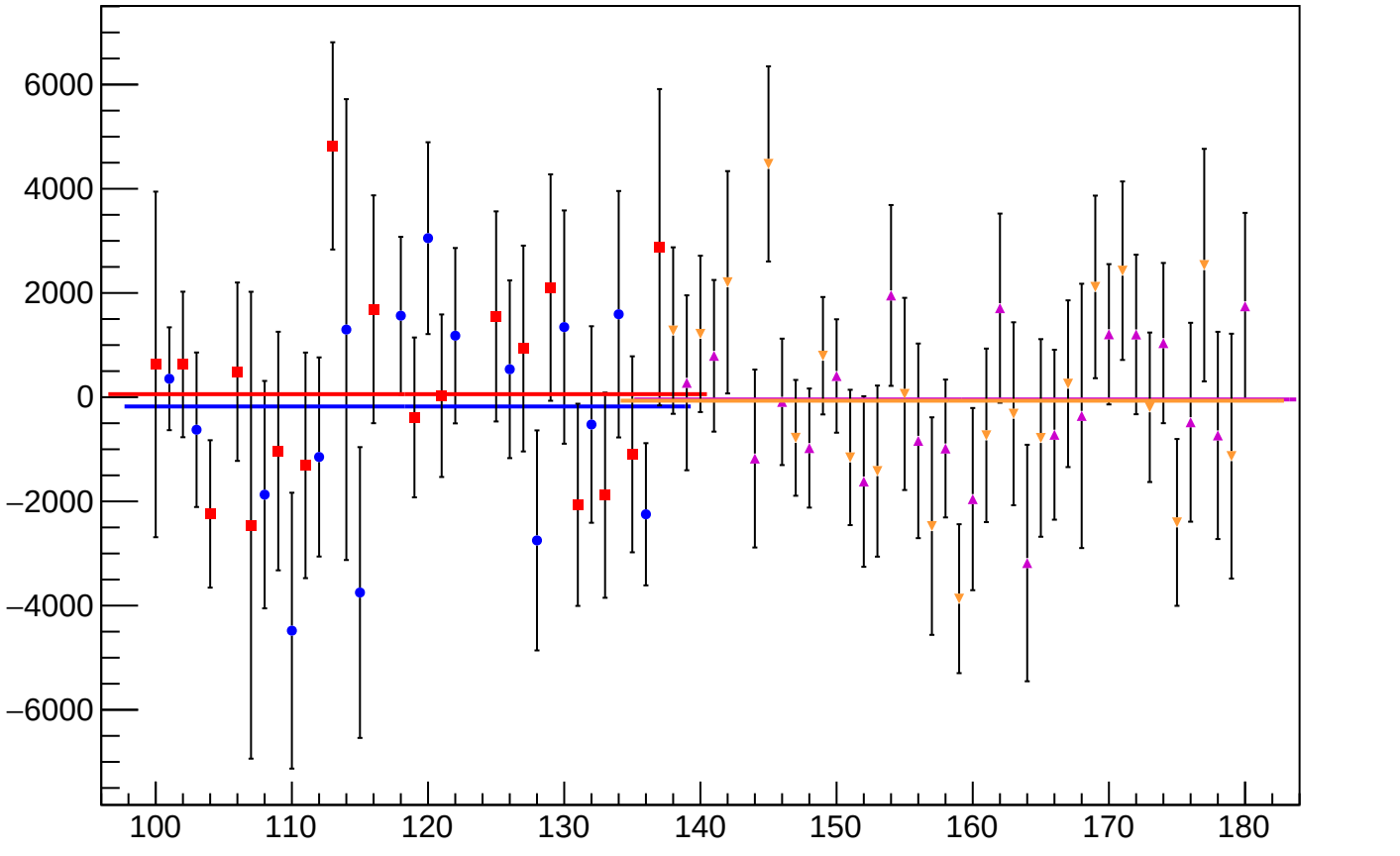
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

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

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

All: 779.046+/-0.079 χ^2/NDF: 26355.0/75

- 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: -67.610+/-349.348 χ^2/NDF:27.0/20

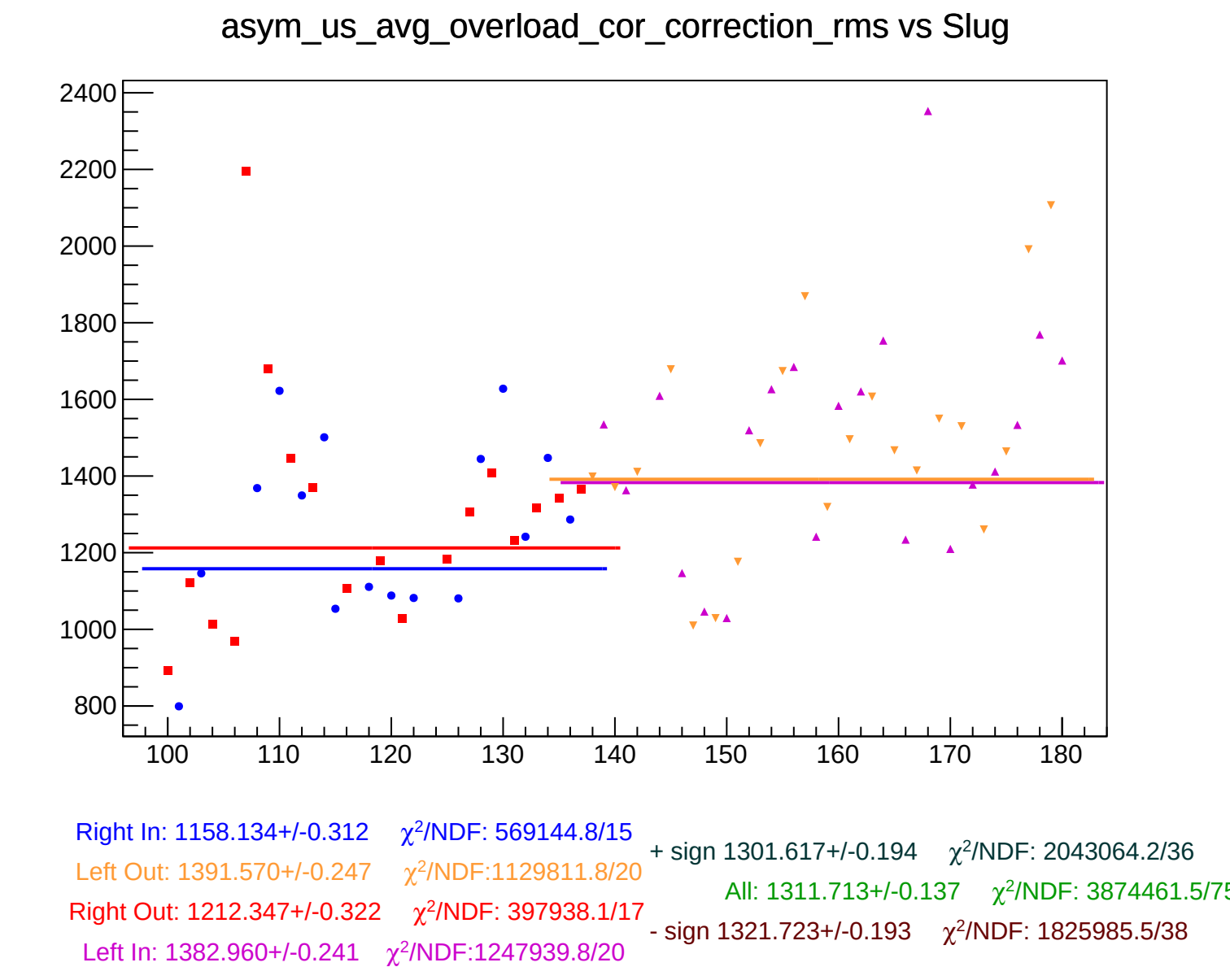
Right Out: 58.040+/-455.216 χ^2/NDF: 15.3/17

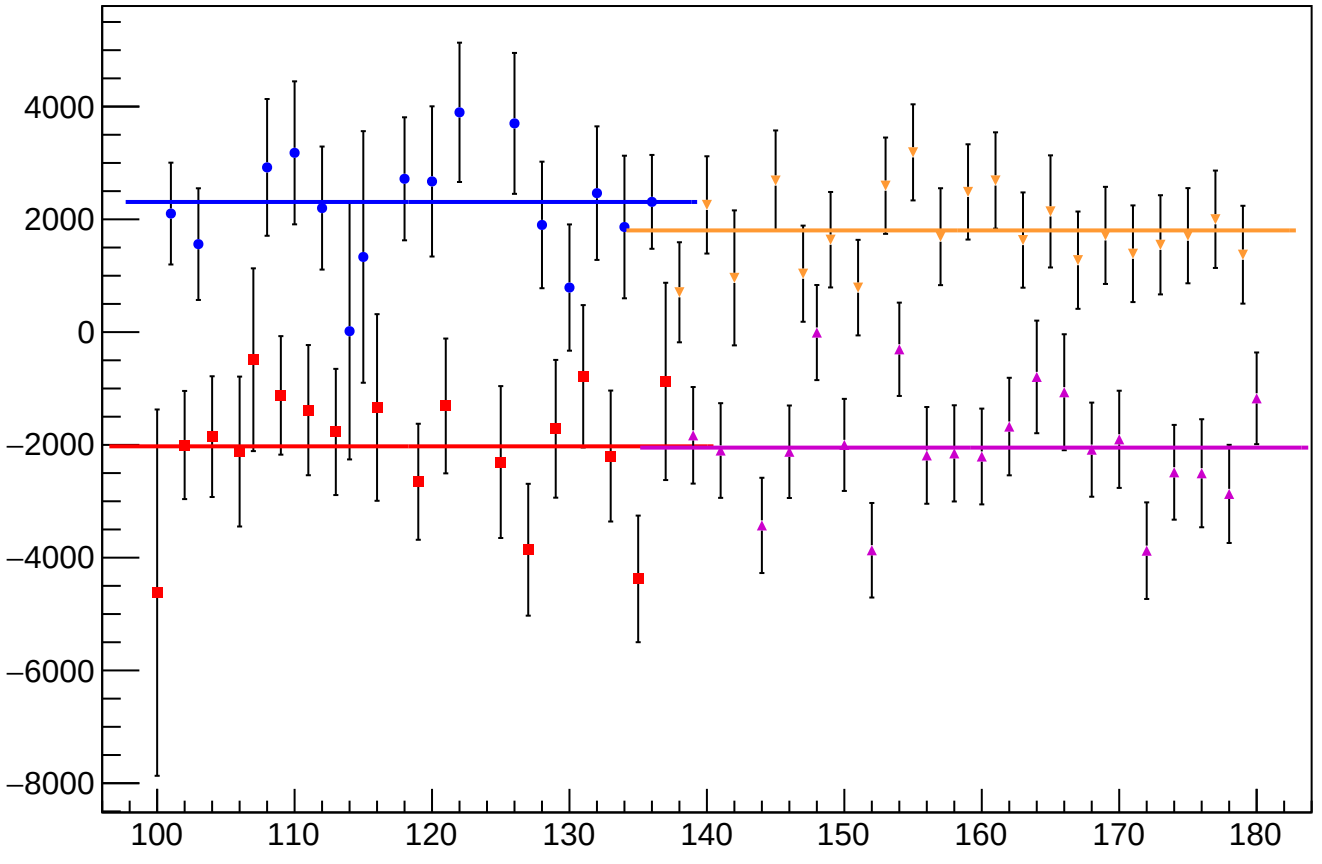
Left In: -43.767+/-340.615 χ^2/NDF:12.0/20

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

All: -58.555+/-193.255 χ^2/NDF: 70.1/75

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


asym_us_avg_overload_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
180
Right In: 1158.134+/-0.312 χ²/NDF: 569144.8/15
Left Out: 1391.570+/-0.247 χ²/NDF:1129811.8/20
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1382.960+/-0.241 χ²/NDF:1247939.8/20
+ sign 1301.617+/-0.194 χ²/NDF: 2043064.2/36
All: 1311.713+/-0.137 χ²/NDF: 3874461.5/75
- sign 1321.723+/-0.193 χ²/NDF: 1825985.5/38



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

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

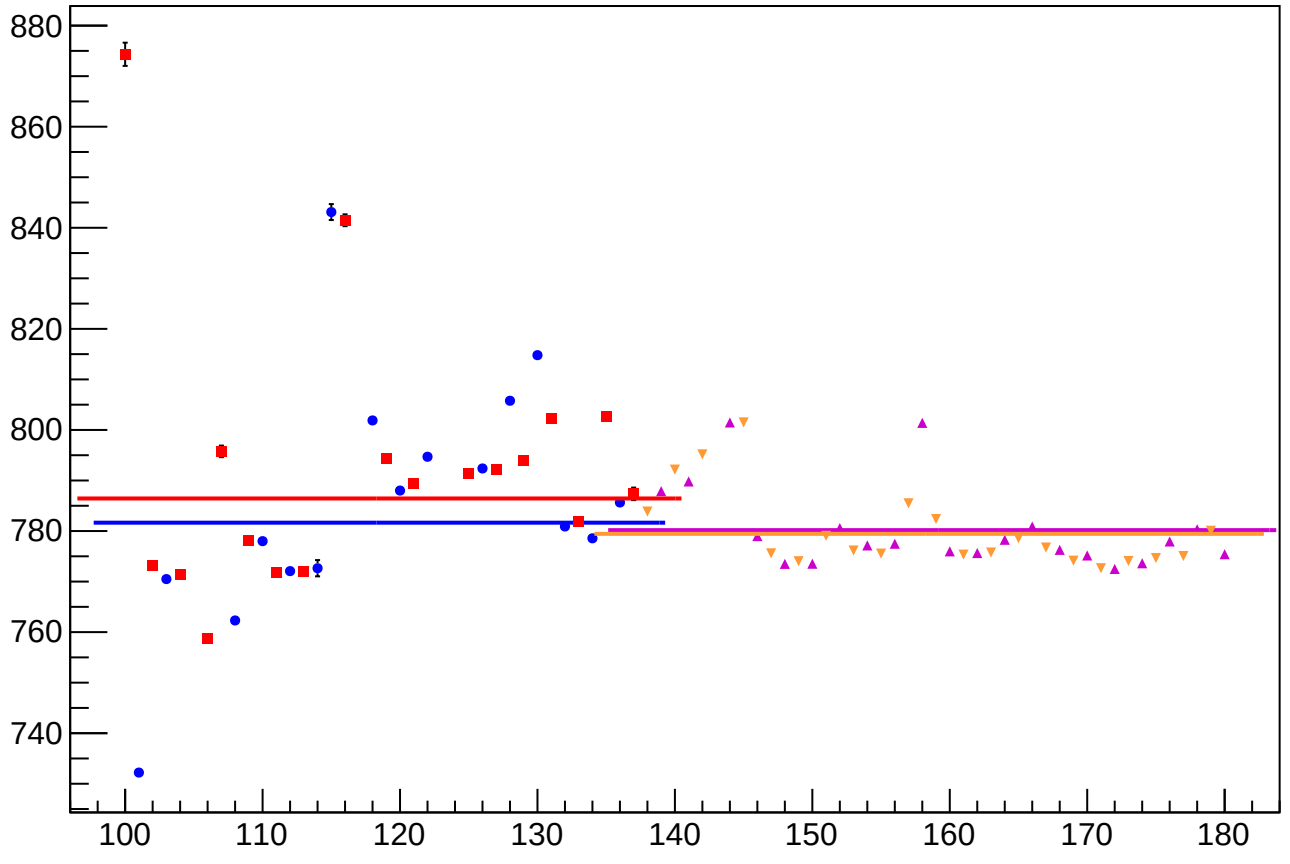
Right Out: -2025.627+/-289.797 χ^2/NDF: 11.9/17

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

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

All: -66.942+/-112.119 χ^2/NDF: 379.2/75

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



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

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

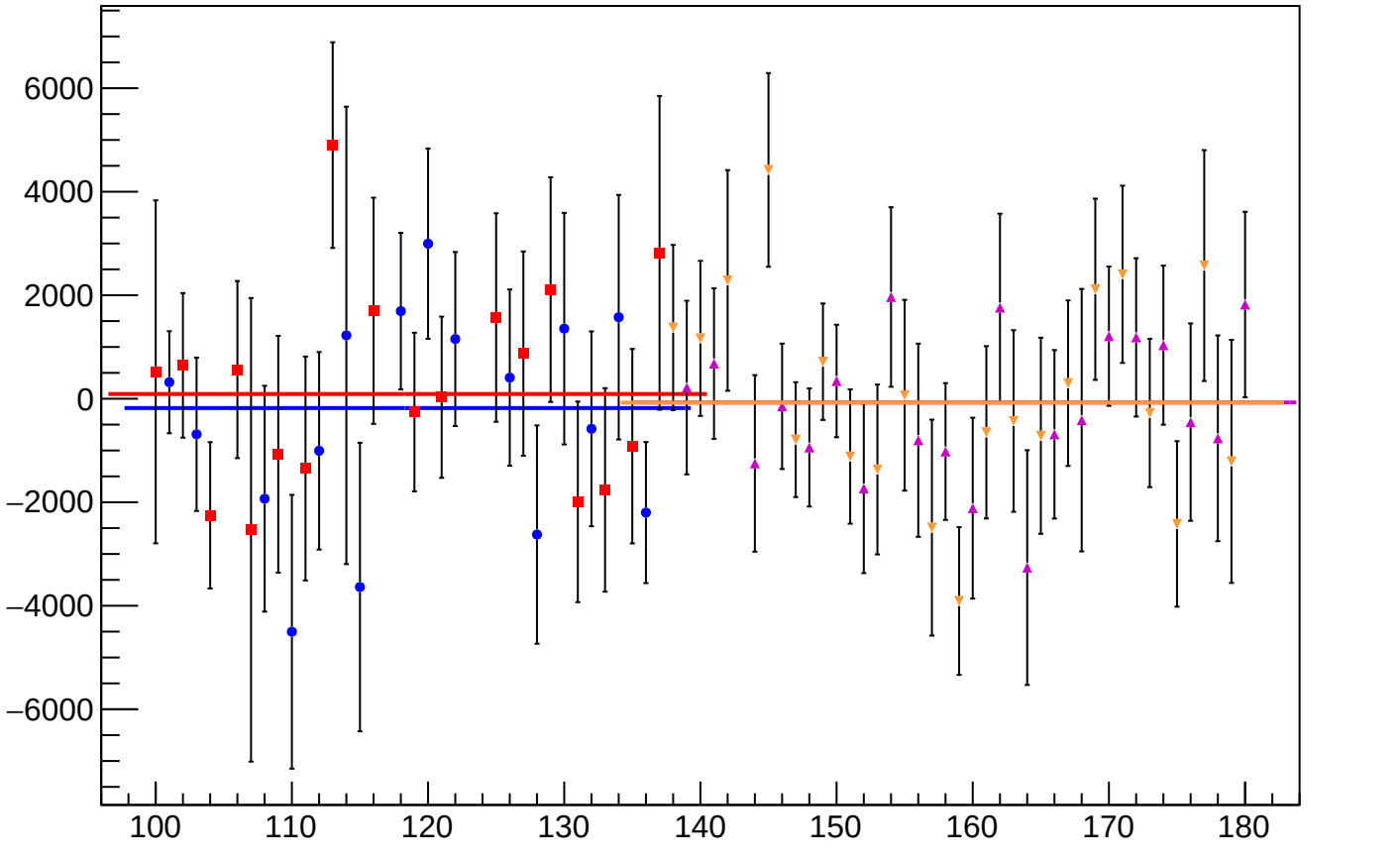
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

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

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

All: 781.083+/-0.079 χ^2/NDF: 27110.5/75

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



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

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

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

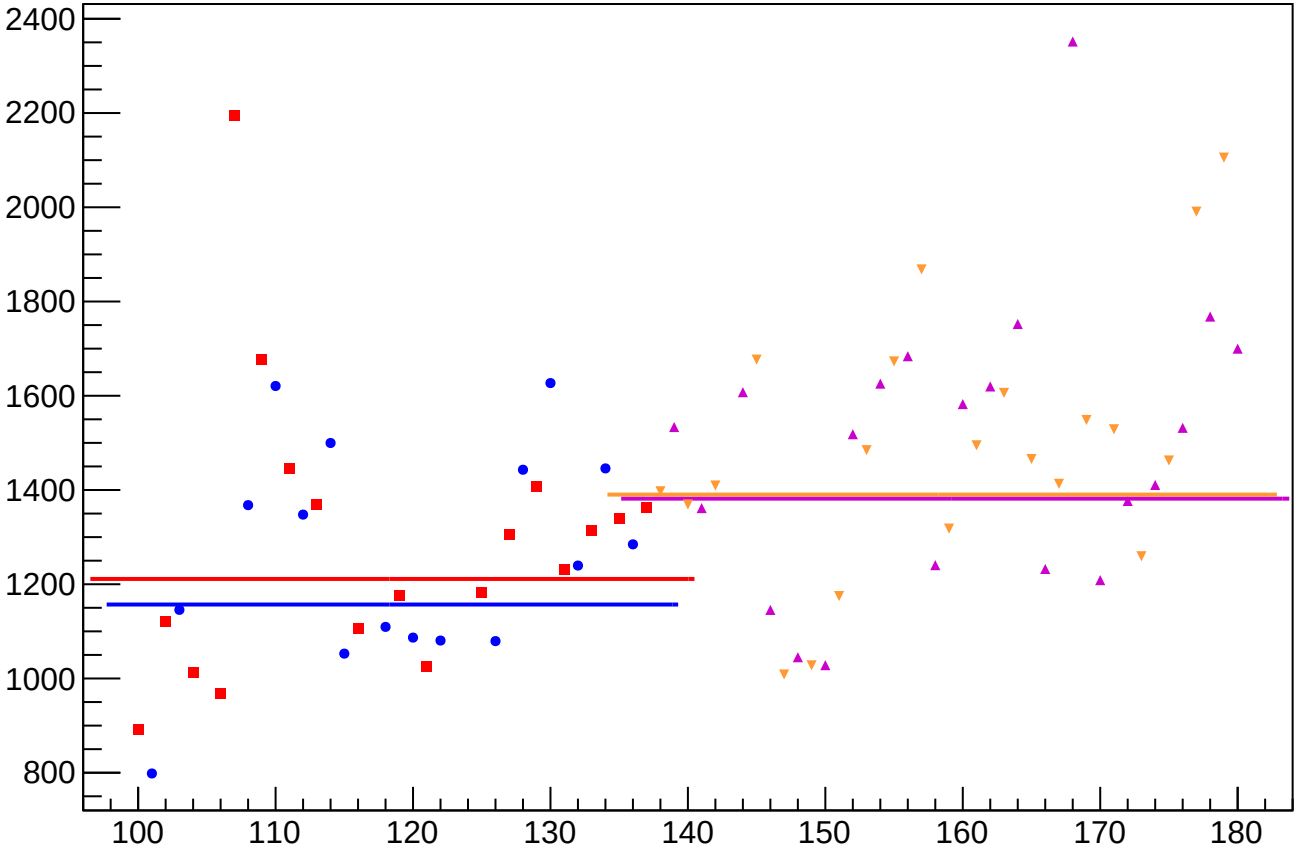
Left In: -72.497+/-340.311 χ^2/NDF:12.5/20

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

All: -64.549+/-193.078 χ^2/NDF: 70.3/75

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

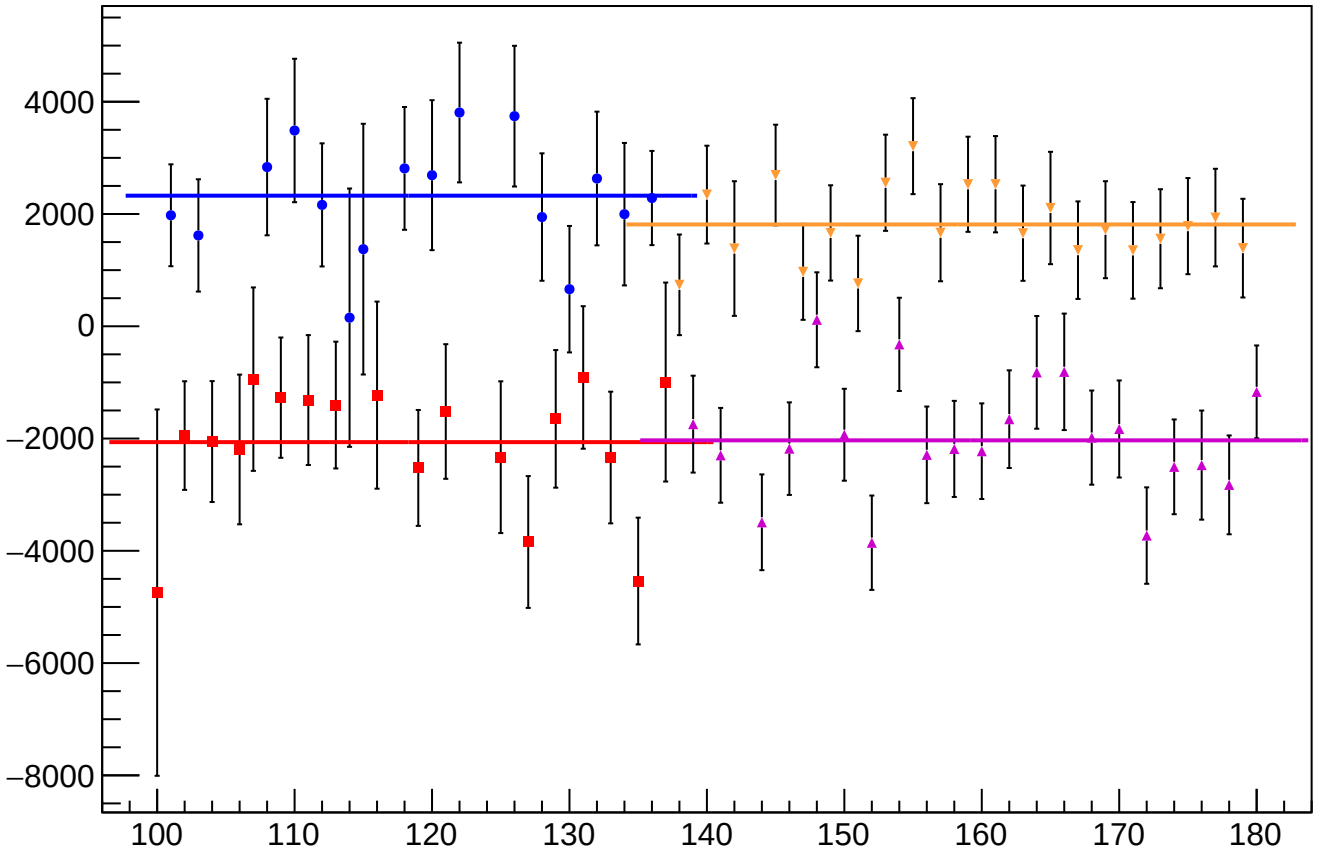
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

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

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

All: 1310.455+/-0.137 χ^2/NDF: 3879924.7/75

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



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

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

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

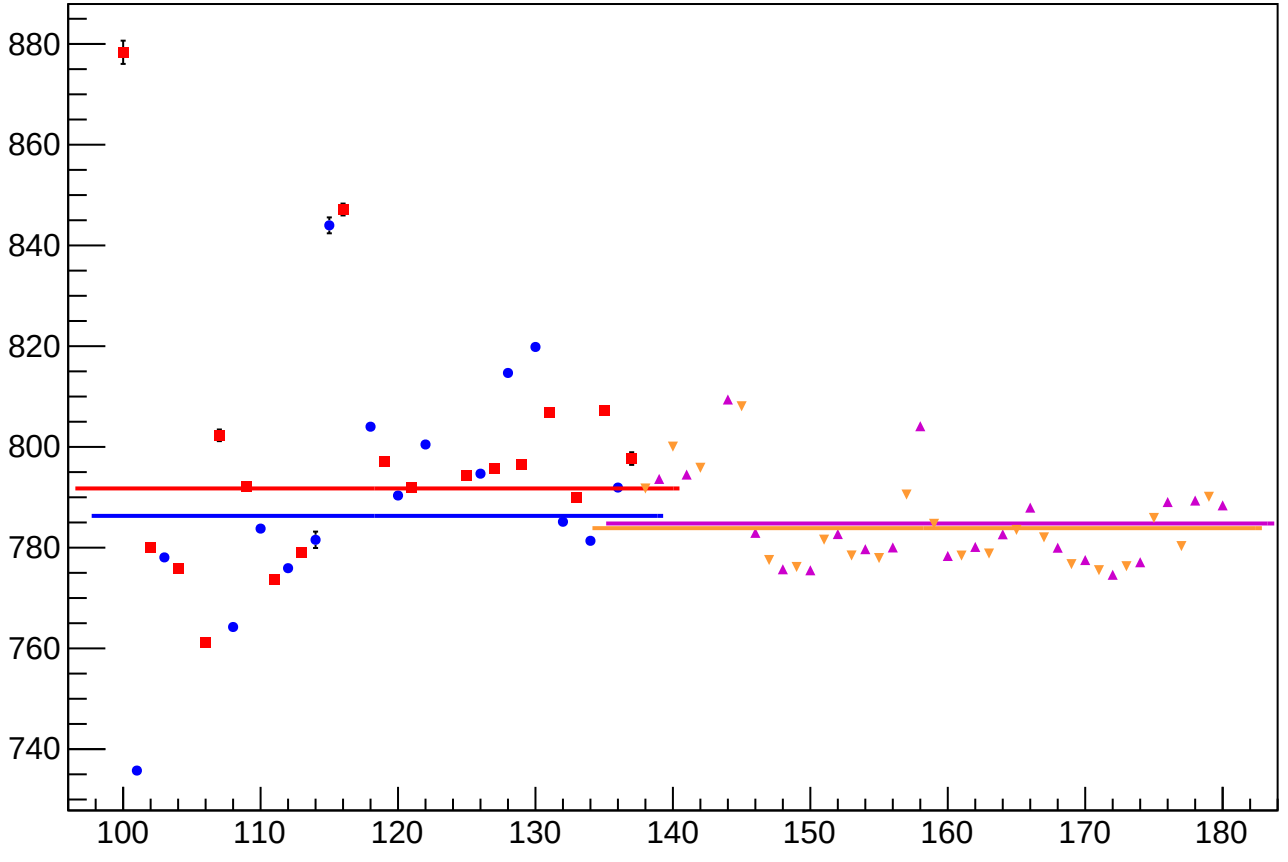
Left In: -2032.053+/-188.950 χ^2/NDF:28.2/20

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

All: -59.708+/-112.795 χ^2/NDF: 377.4/75

- 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: 783.871+/-0.136 χ^2/NDF:3864.5/20

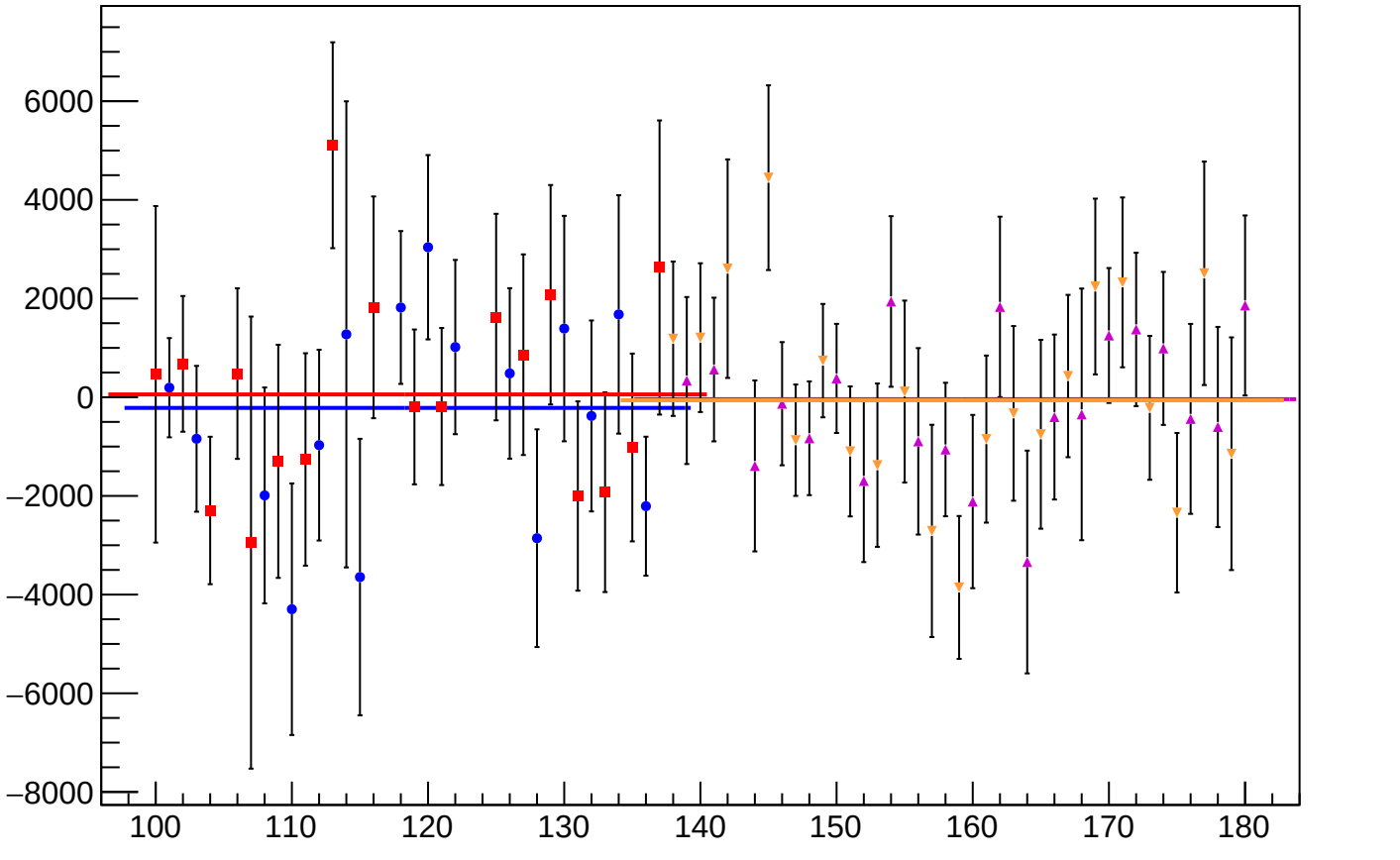
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

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

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

All: 785.743+/-0.080 χ^2/NDF: 29336.1/75

- 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: -62.257+/-353.531 χ^2/NDF:26.8/20

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

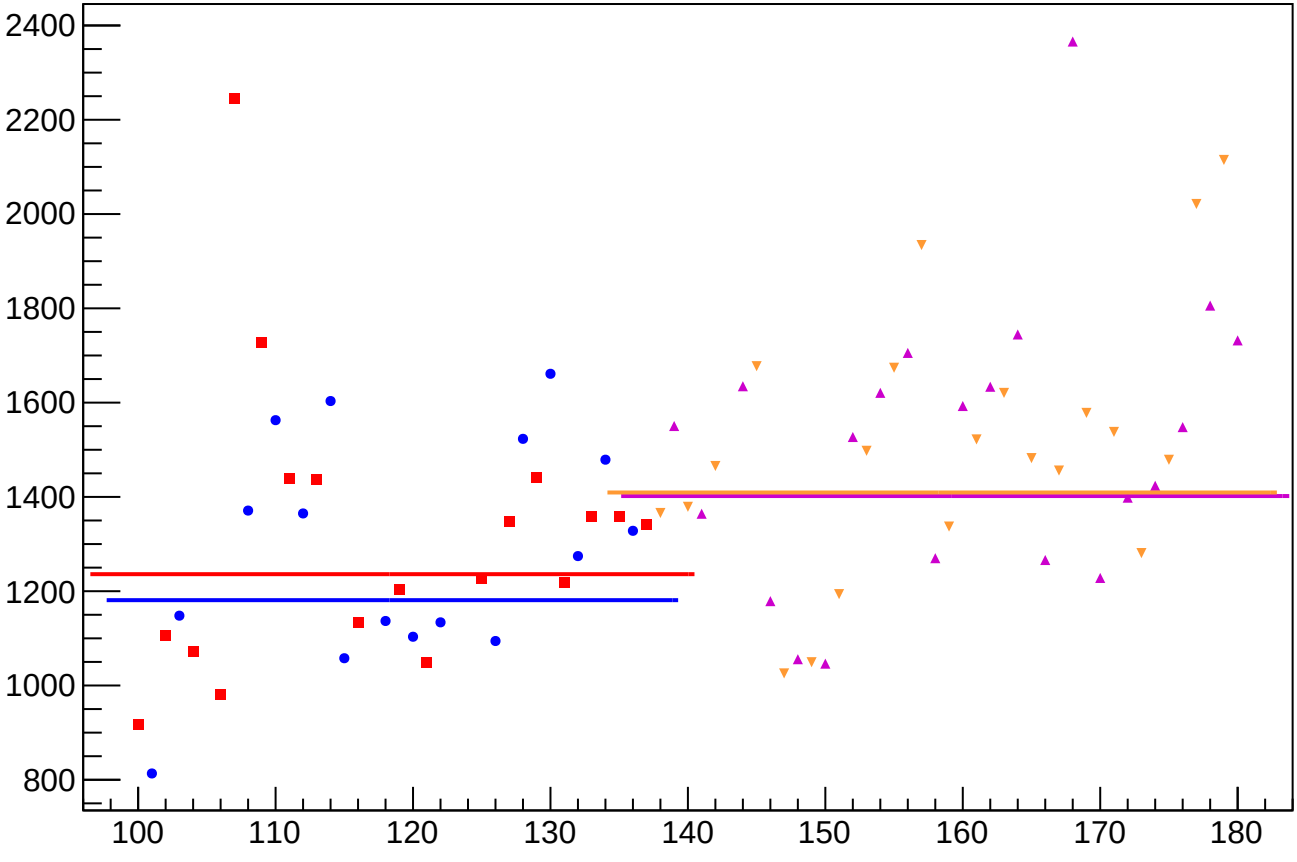
Left In: -39.371+/-344.885 χ^2/NDF:12.6/20

+ sign -121.078+/-277.891 χ^2/NDF: 42.2/36

All: -62.885+/-196.109 χ^2/NDF: 70.0/75

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

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

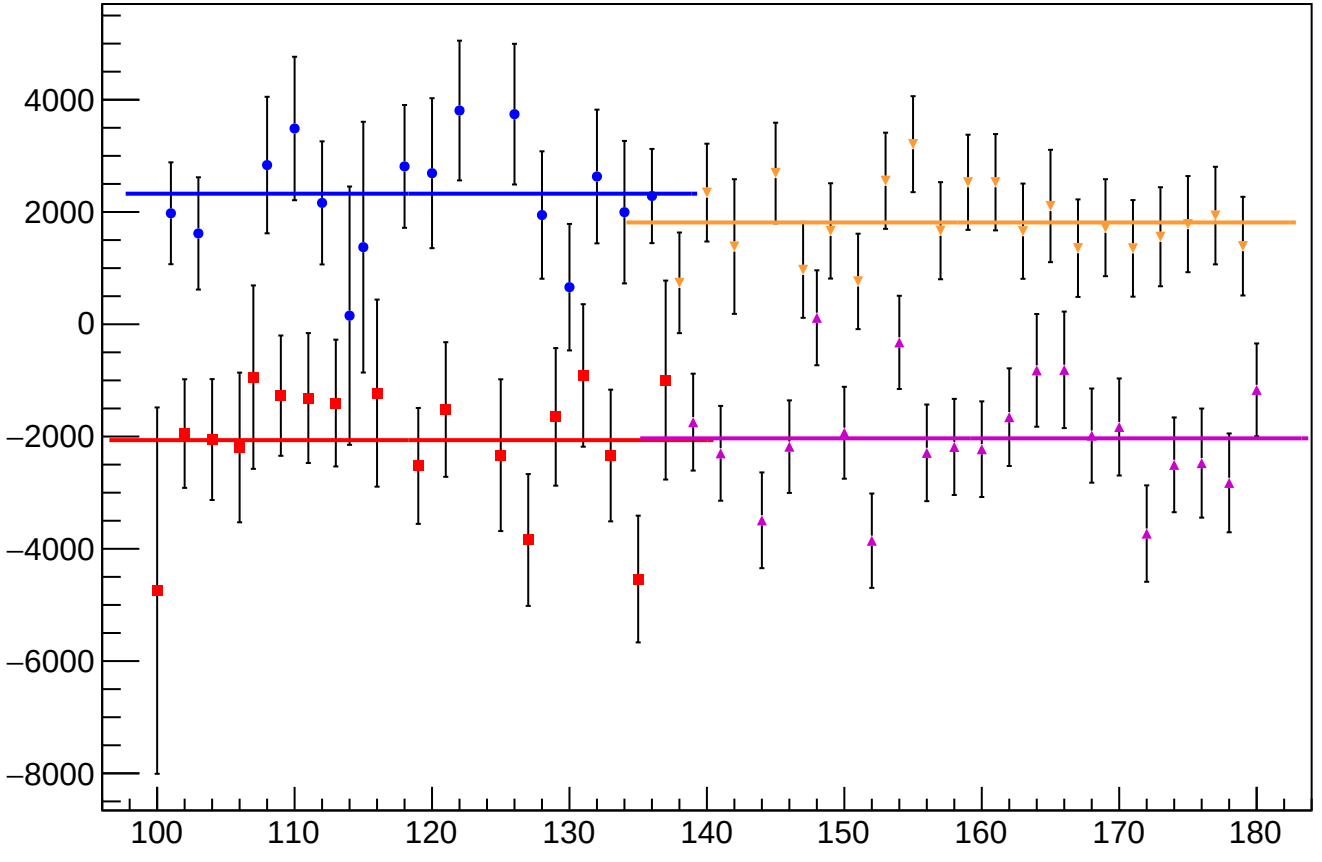
Left In: 1401.857+/-0.244 χ^2/NDF:1207958.6/20

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

All: 1332.542+/-0.139 χ^2/NDF: 3777317.4/75

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

eigen_dit_asym_us_avg_mean vs Slug



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

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

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

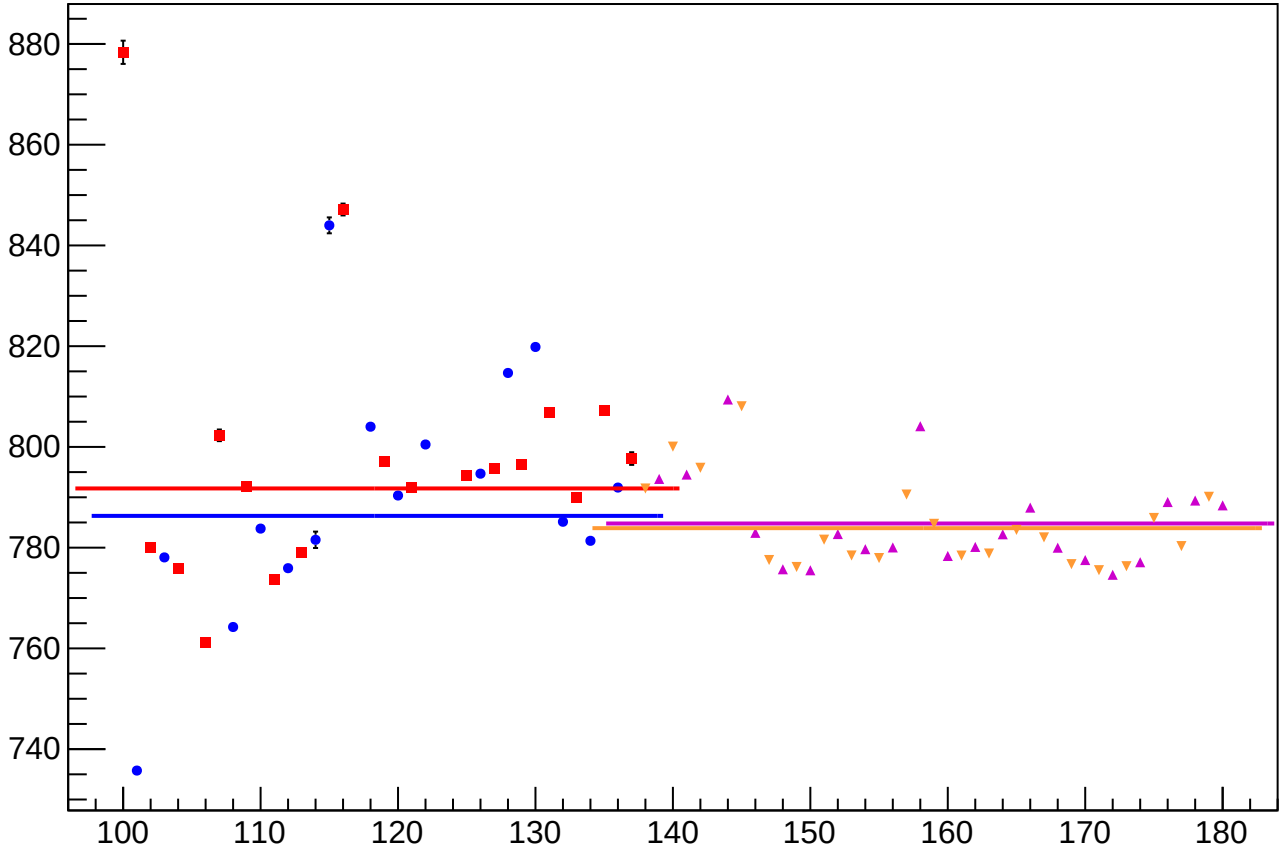
Left In: -2032.054+/-188.950 χ^2/NDF:28.2/20

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

All: -59.709+/-112.795 χ^2/NDF: 377.4/75

- 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: 783.871+/-0.136 χ^2/NDF:3864.5/20

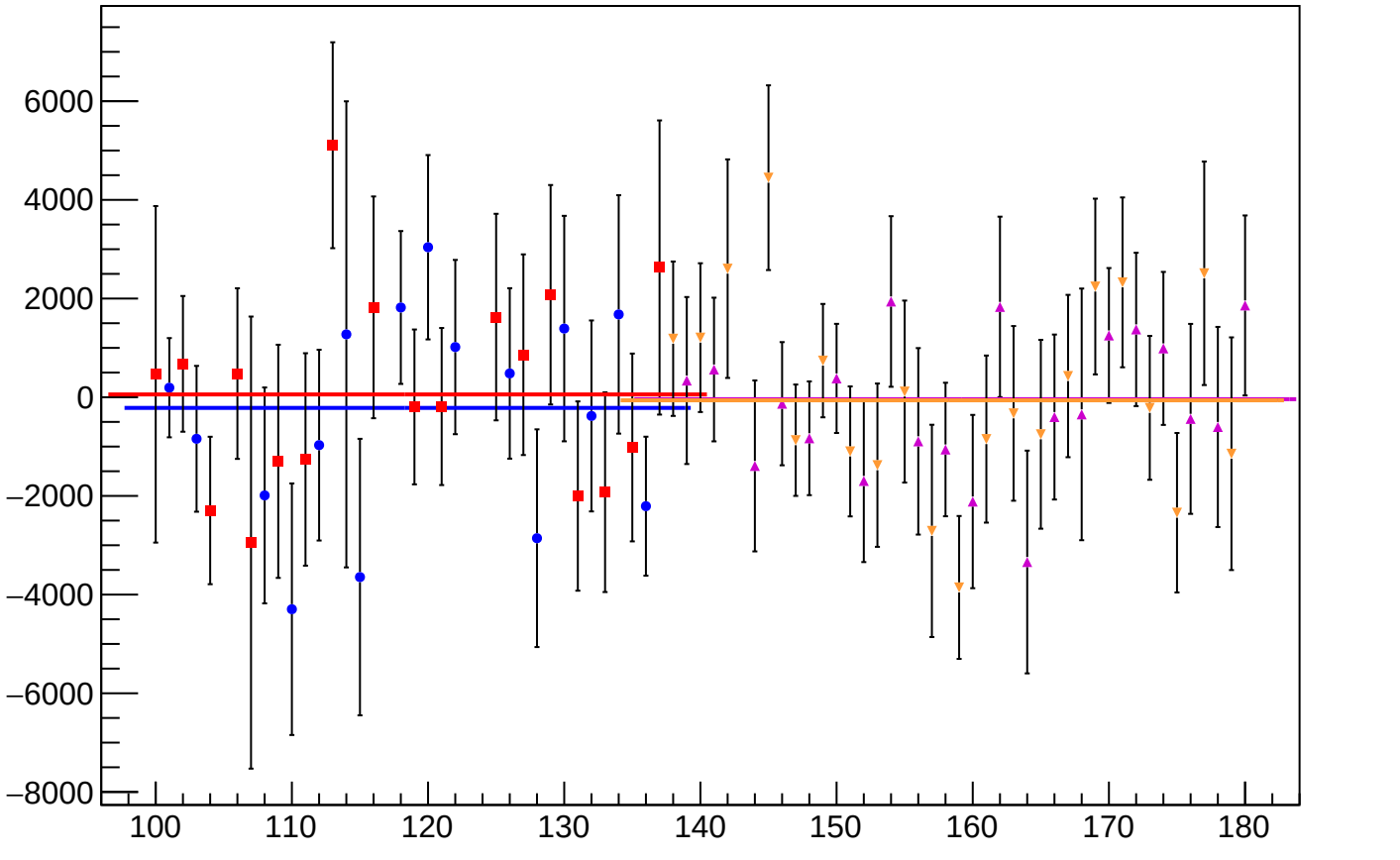
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

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

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

All: 785.743+/-0.080 χ^2/NDF: 29336.0/75

- 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: -62.260+/-353.532 χ^2/NDF:26.8/20

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

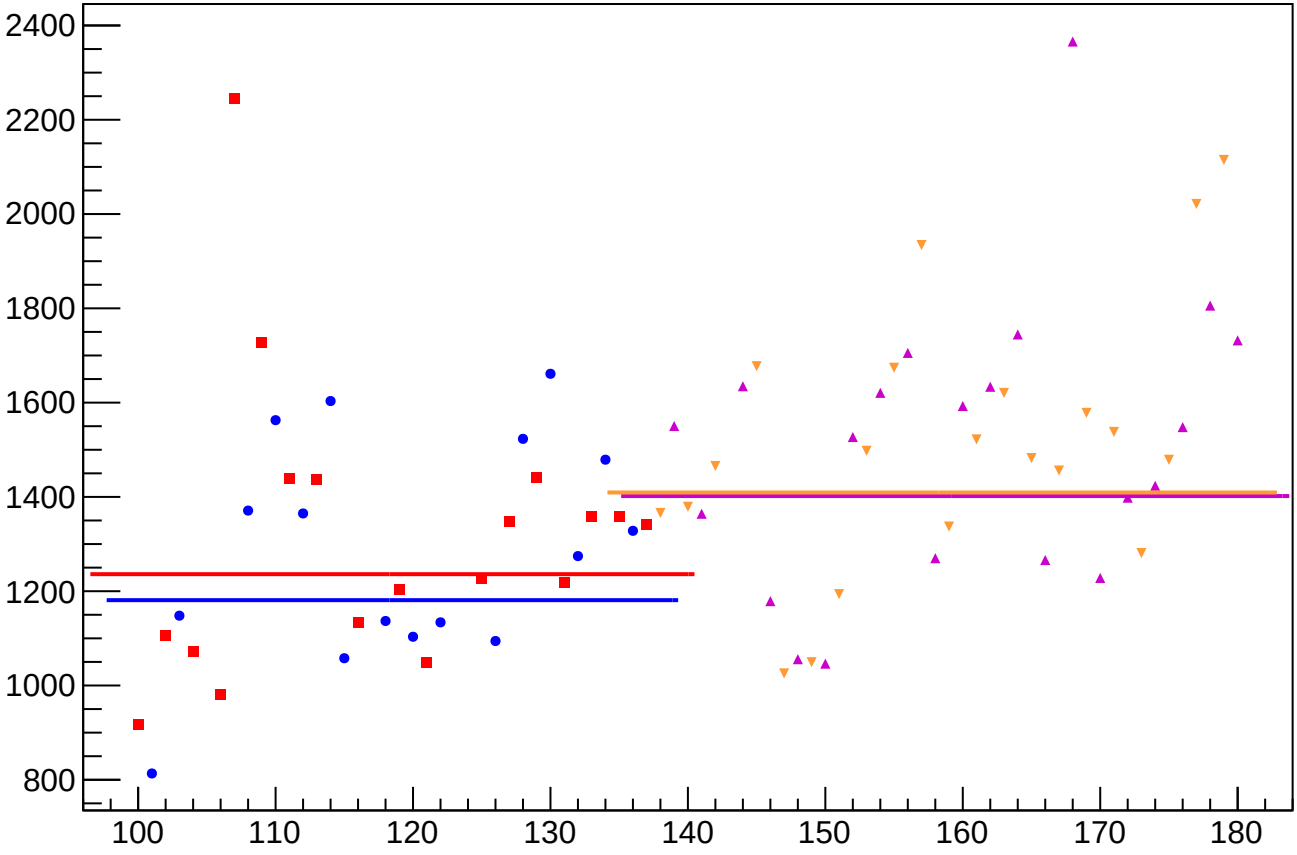
Left In: -39.372+/-344.885 χ^2/NDF:12.6/20

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

All: -62.886+/-196.109 χ^2/NDF: 70.0/75

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

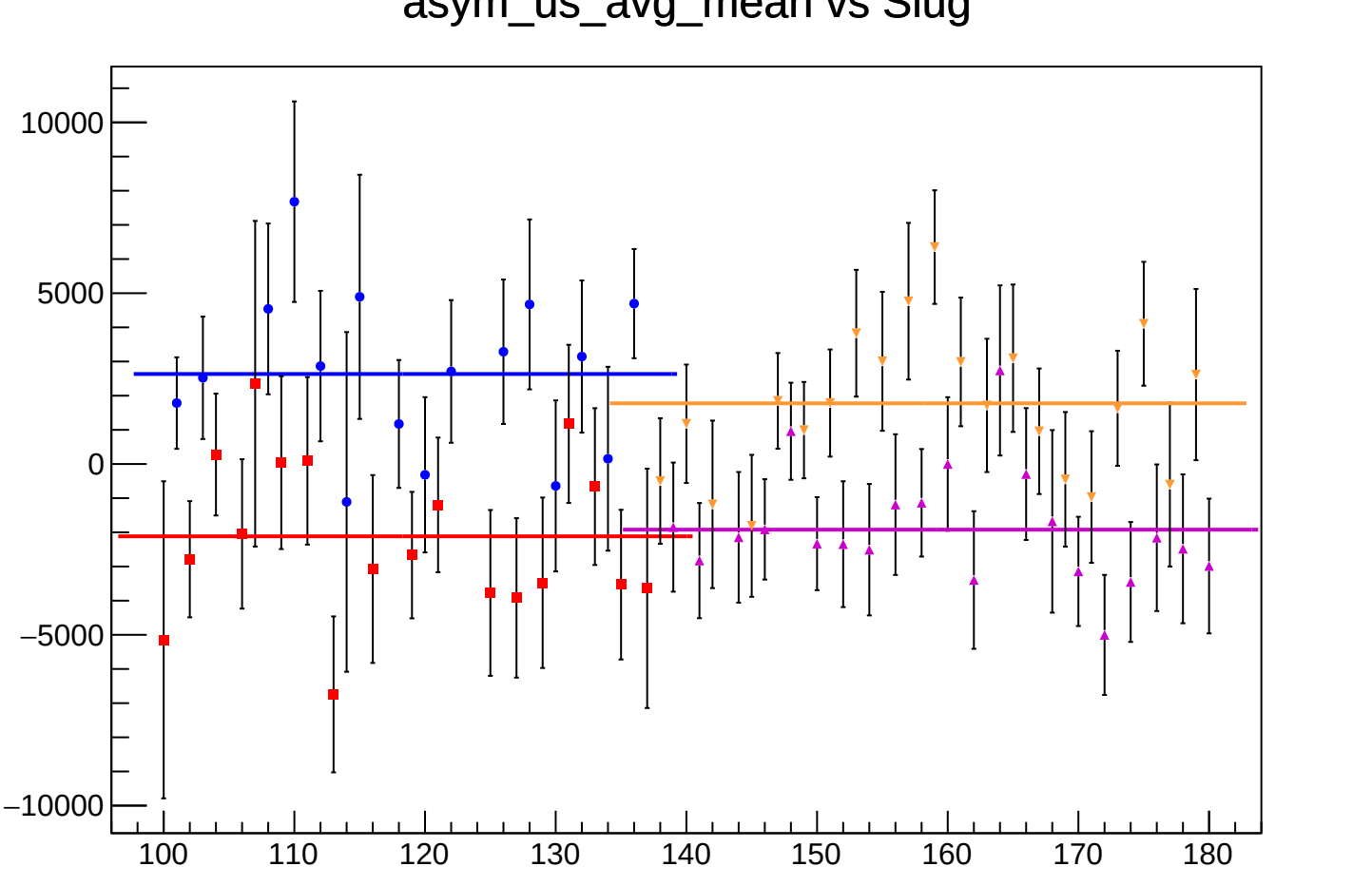
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

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

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

All: 1332.542+/-0.139 χ^2/NDF: 3777343.9/75

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



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

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

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

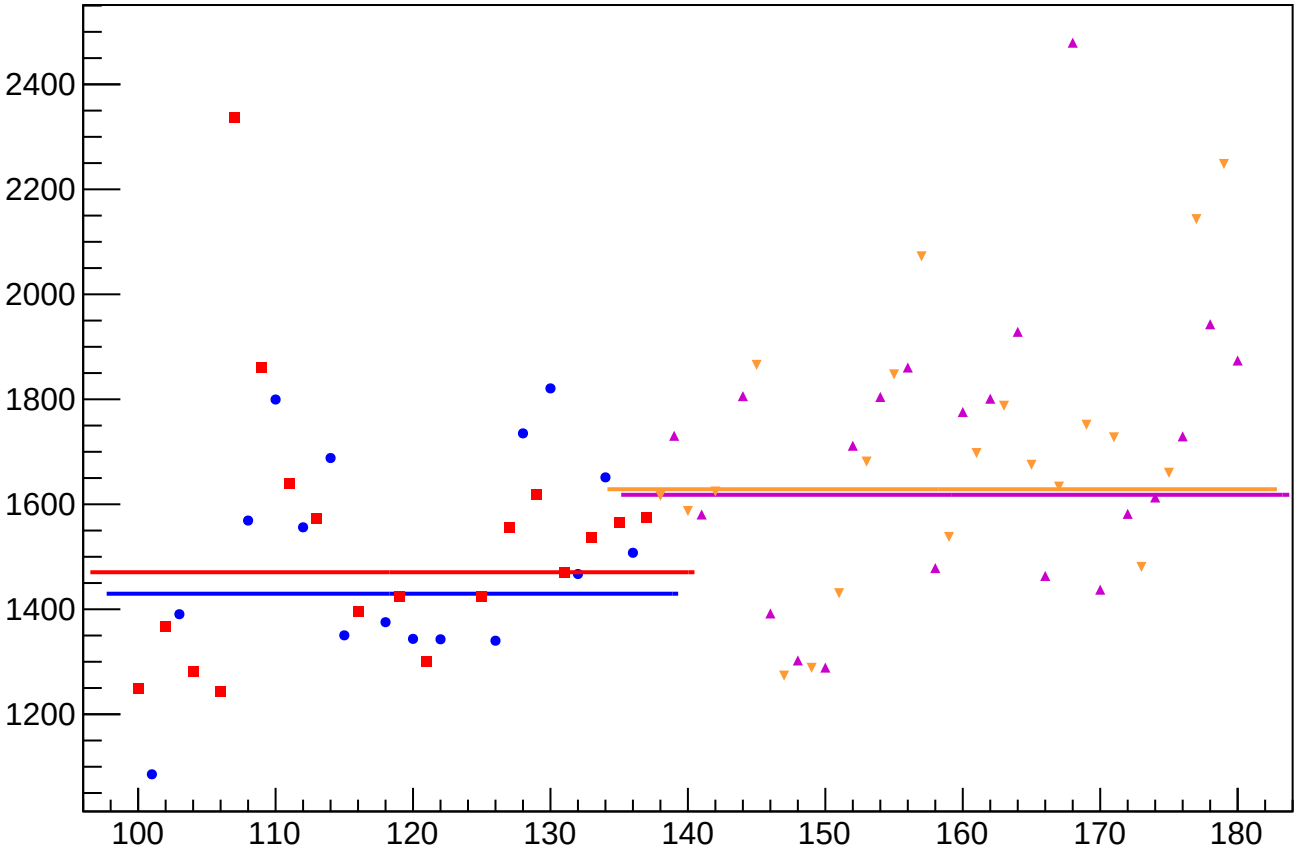
Left In: -1921.612+/-394.933 χ^2/NDF:15.5/20

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

All: 29.028+/-227.597 χ^2/NDF: 147.7/75

- sign -1988.541+/-320.295 χ^2/NDF: 29.4/38

asym_us_avg_rms vs Slug



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

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

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

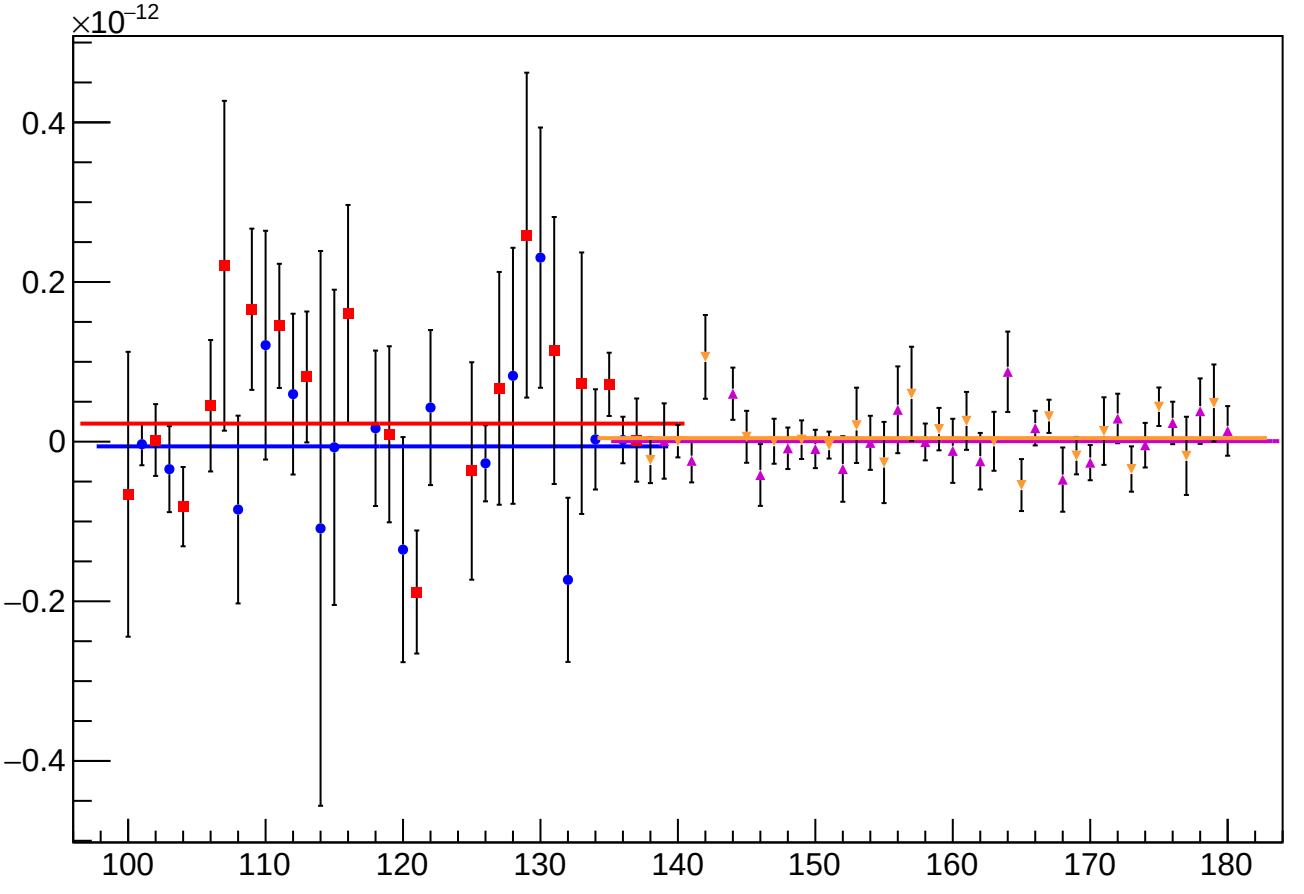
Left In: 1618.089+/-0.279 χ^2/NDF:748912.1/20

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

All: 1562.218+/-0.161 χ^2/NDF: 2201878.9/75

- 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:18.4/20

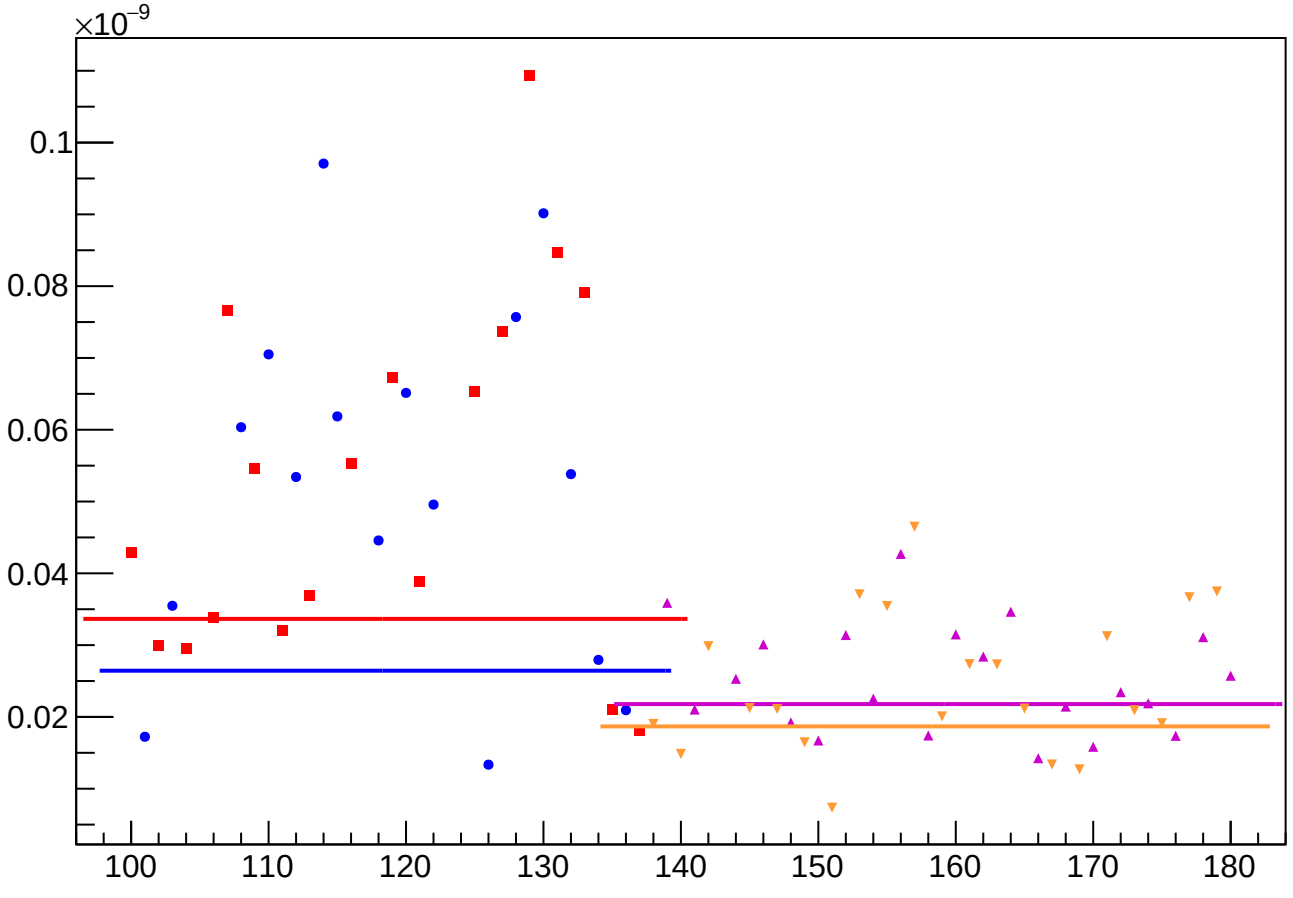
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/36

All: 0.000+/-0.000 χ^2/NDF: 68.2/75

- sign 0.000+/-0.000 χ^2/NDF: 40.9/38



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

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

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

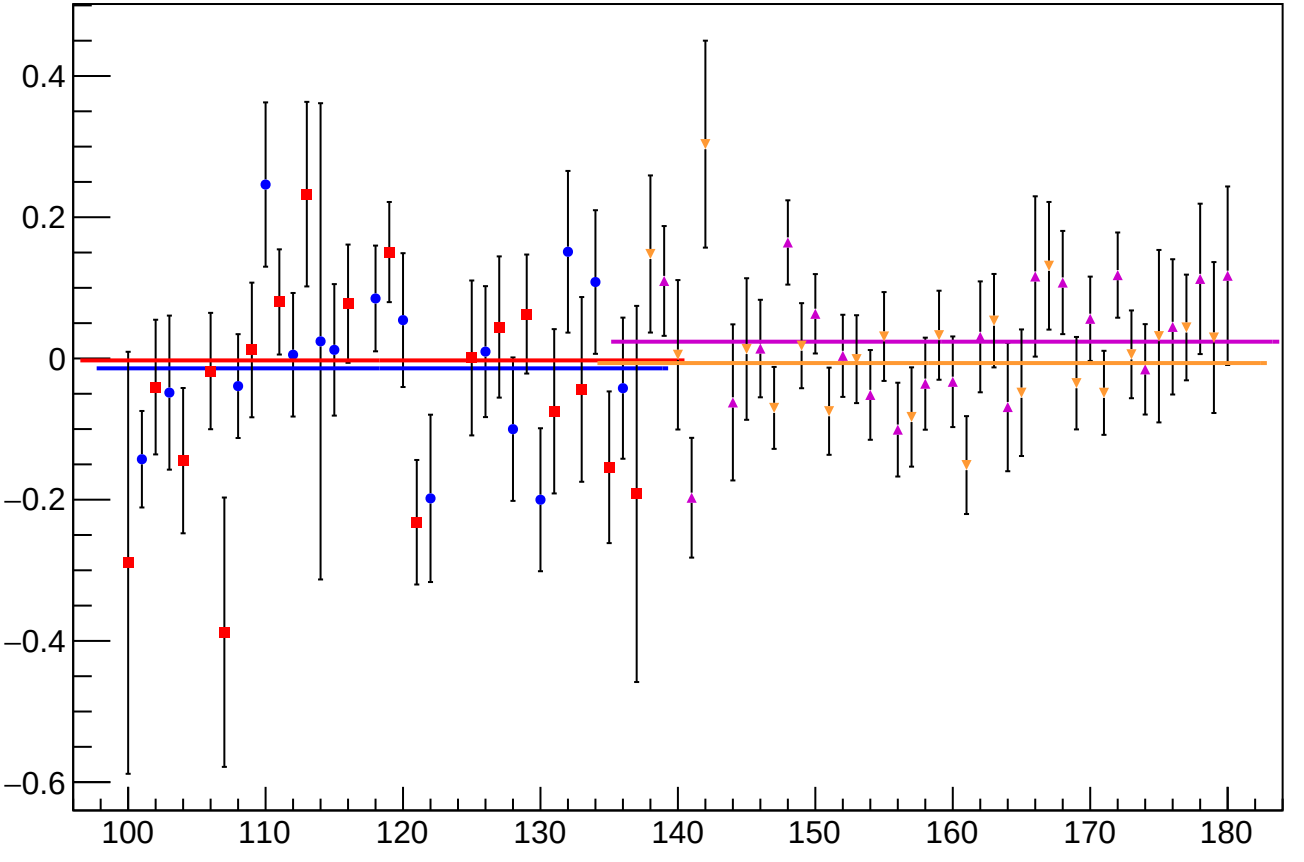
Left In: 0.000+/-0.000 χ^2/NDF:1782875.4/20

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

All: 0.000+/-0.000 χ^2/NDF: 10470113.1/75

- sign 0.000+/-0.000 χ^2/NDF: 4244107.8/38

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

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

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

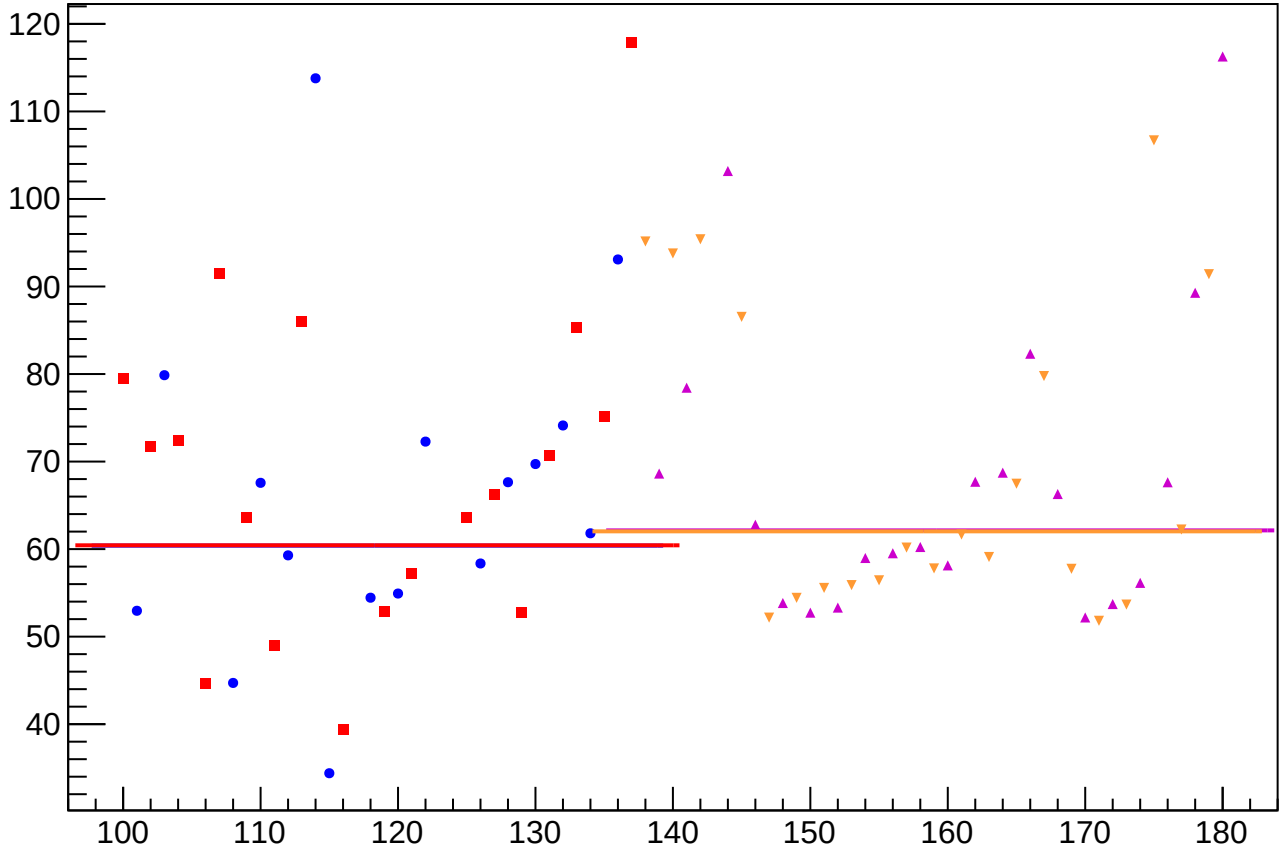
Left In: 0.024+/-0.016 χ^2/NDF:28.7/20

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

All: 0.004+/-0.009 χ^2/NDF: 100.6/75

- sign 0.016+/-0.013 χ^2/NDF: 57.4/38

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

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

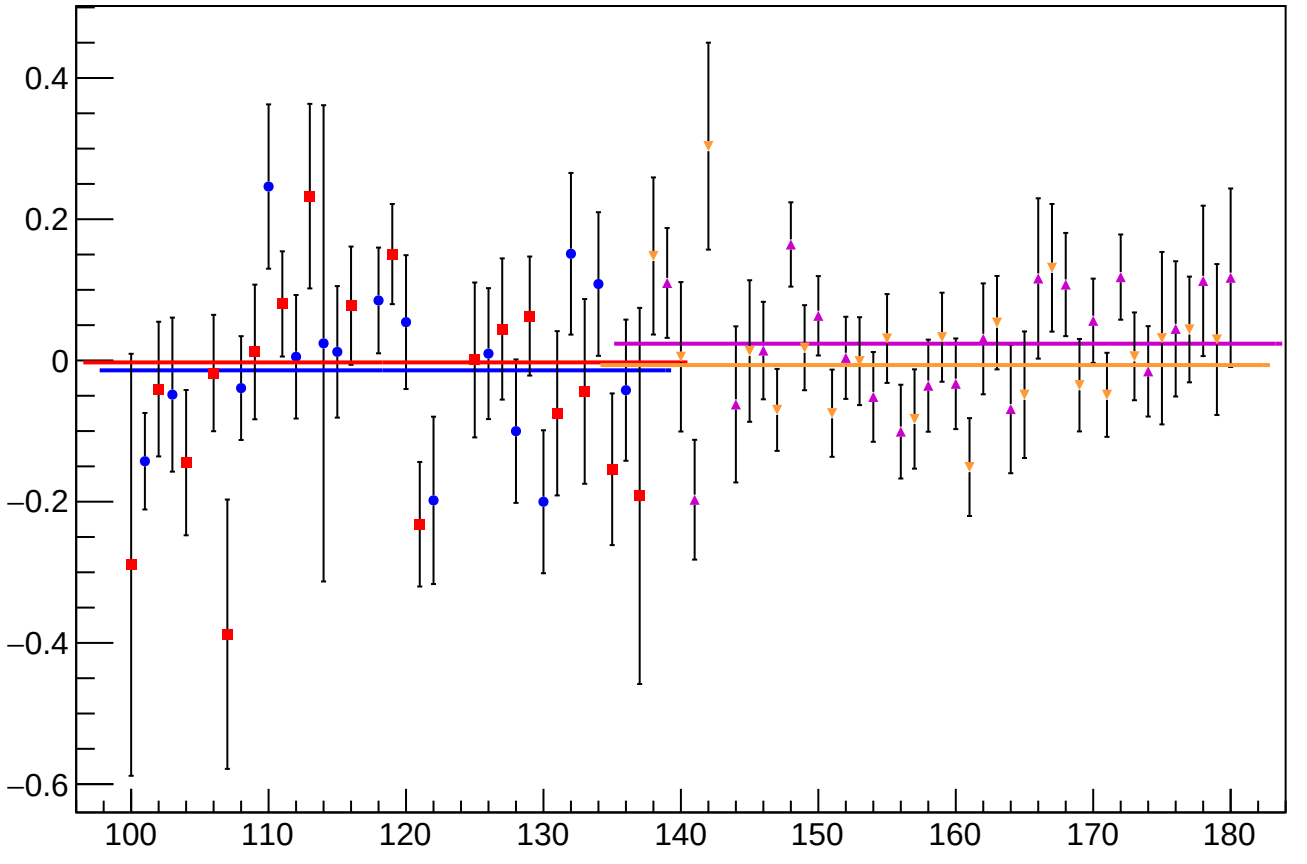
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

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

All: 61.573+/-0.007 χ^2/NDF: 4003850.4/75

- 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: -0.007+/-0.016 χ^2/NDF:20.1/20

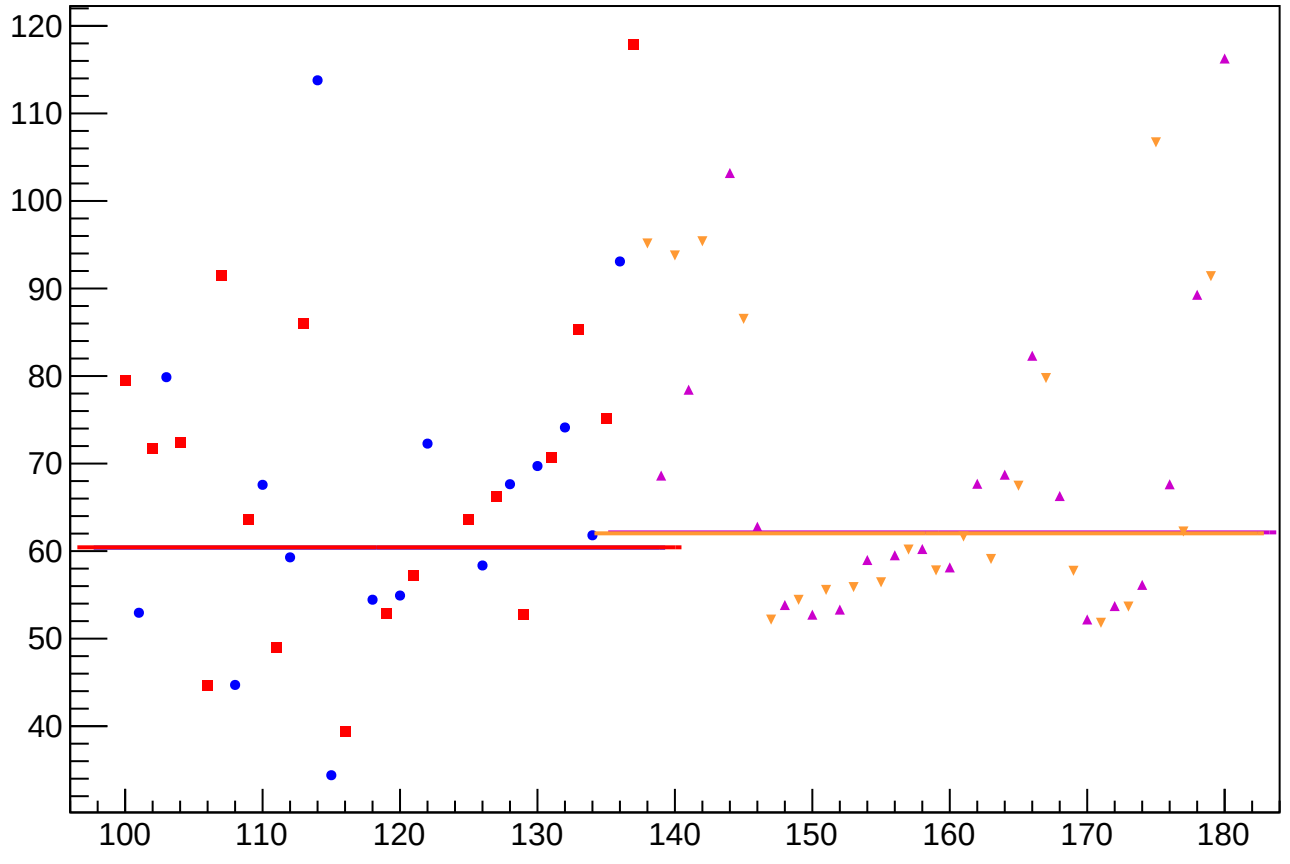
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

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

All: 0.004+/-0.009 χ^2/NDF: 100.6/75

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

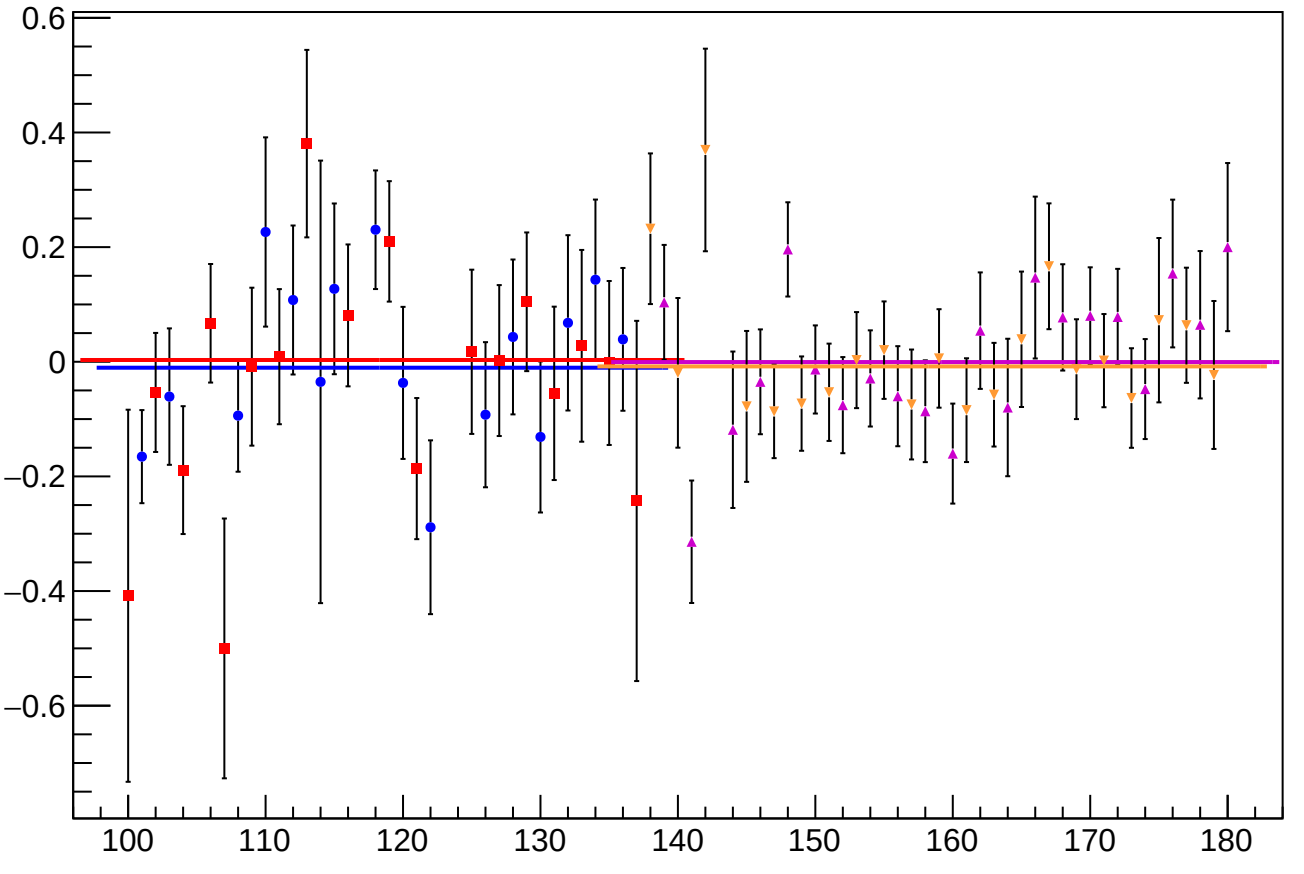
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

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

All: 61.573+/-0.007 χ^2/NDF: 4003850.4/75

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



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

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

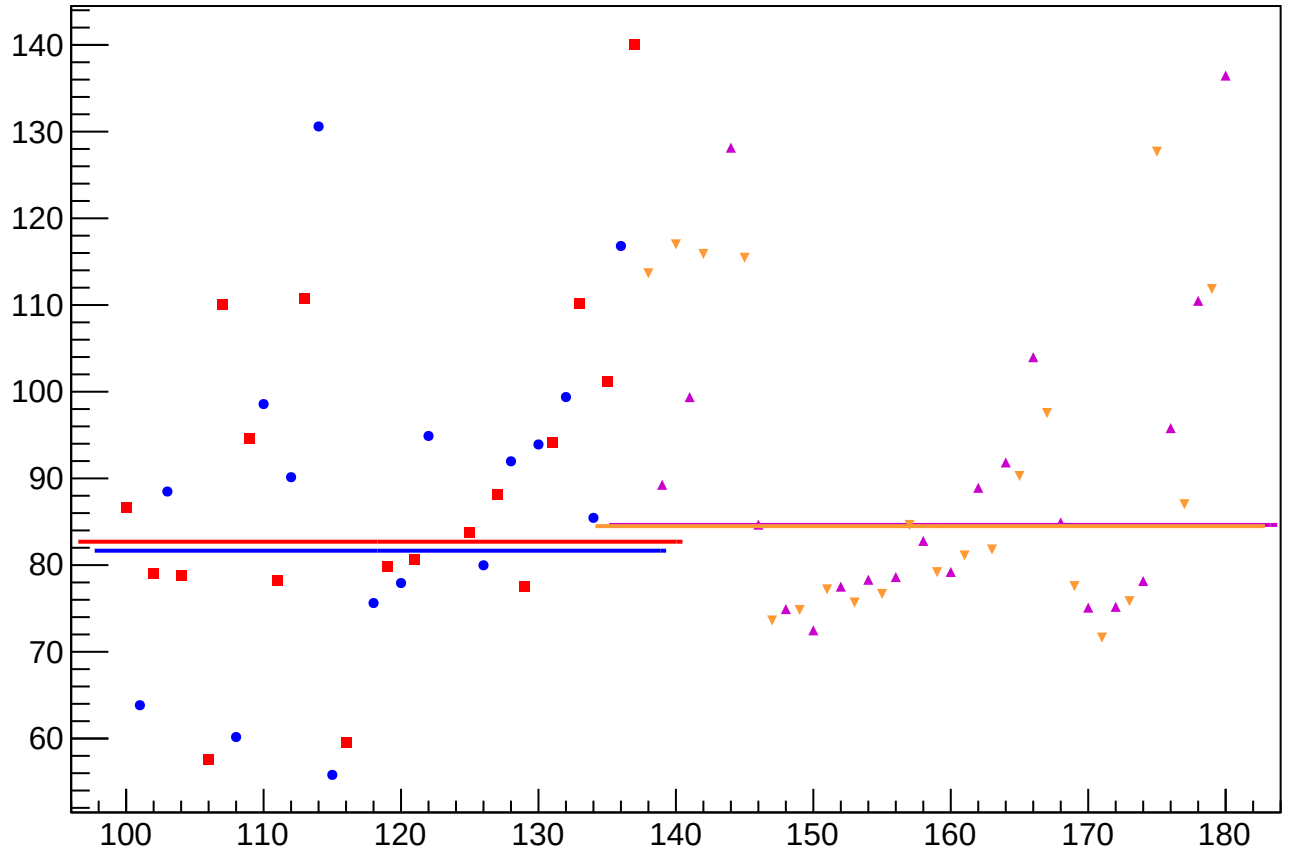
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

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

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

All: -0.004+/-0.012 χ^2/NDF: 89.8/75

- sign 0.001+/-0.018 χ^2/NDF: 53.8/38



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

Left Out: 84.497+/-0.015 χ^2/NDF:913733.1/20

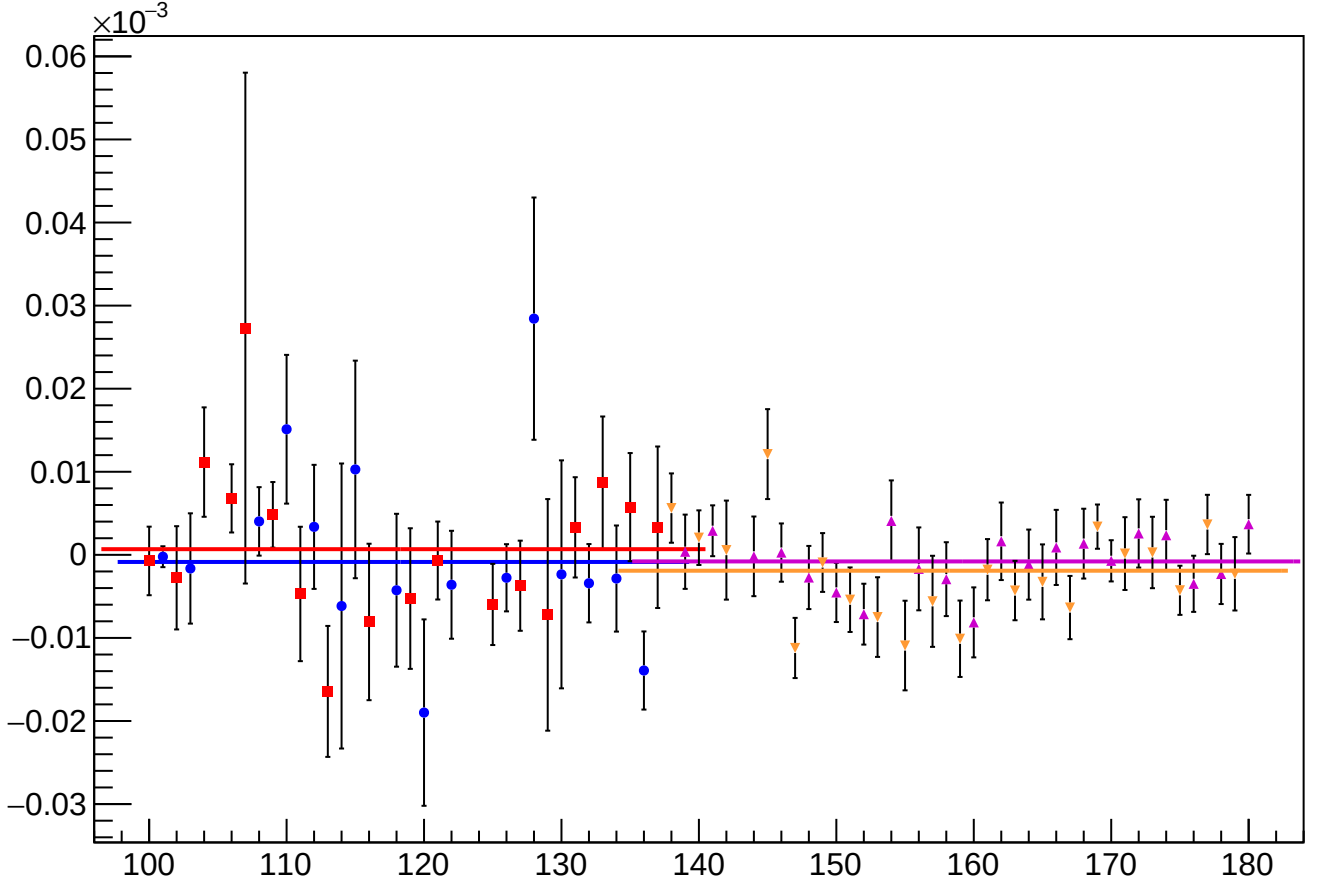
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

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

+ sign 83.609+/-0.013 χ^2/NDF: 1486613.9/36

All: 83.829+/-0.009 χ^2/NDF: 2788721.4/75

- 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:36.3/20

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

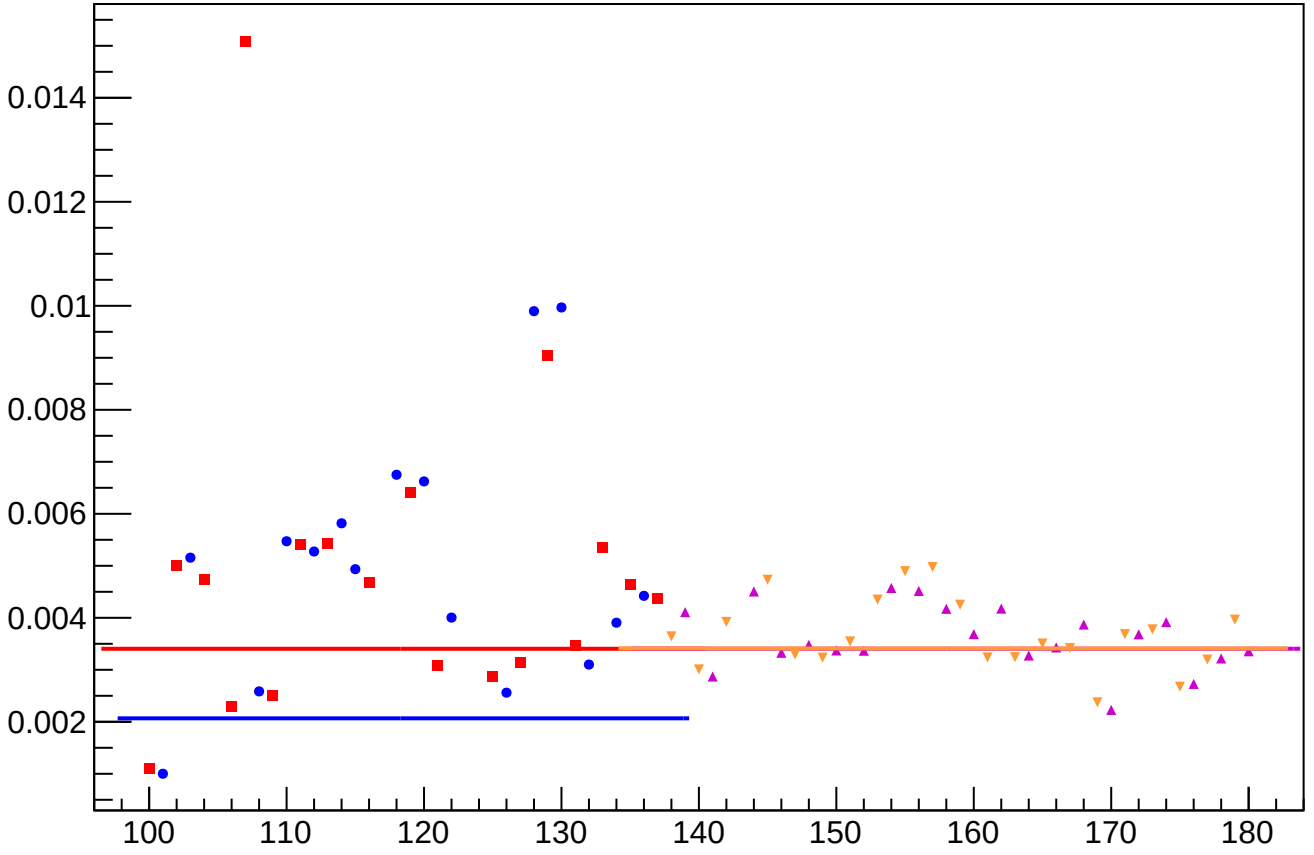
Left In: -0.000+/-0.000 χ^2/NDF:14.6/20

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

All: -0.000+/-0.000 χ^2/NDF: 93.1/75

- 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:1135691.2/20

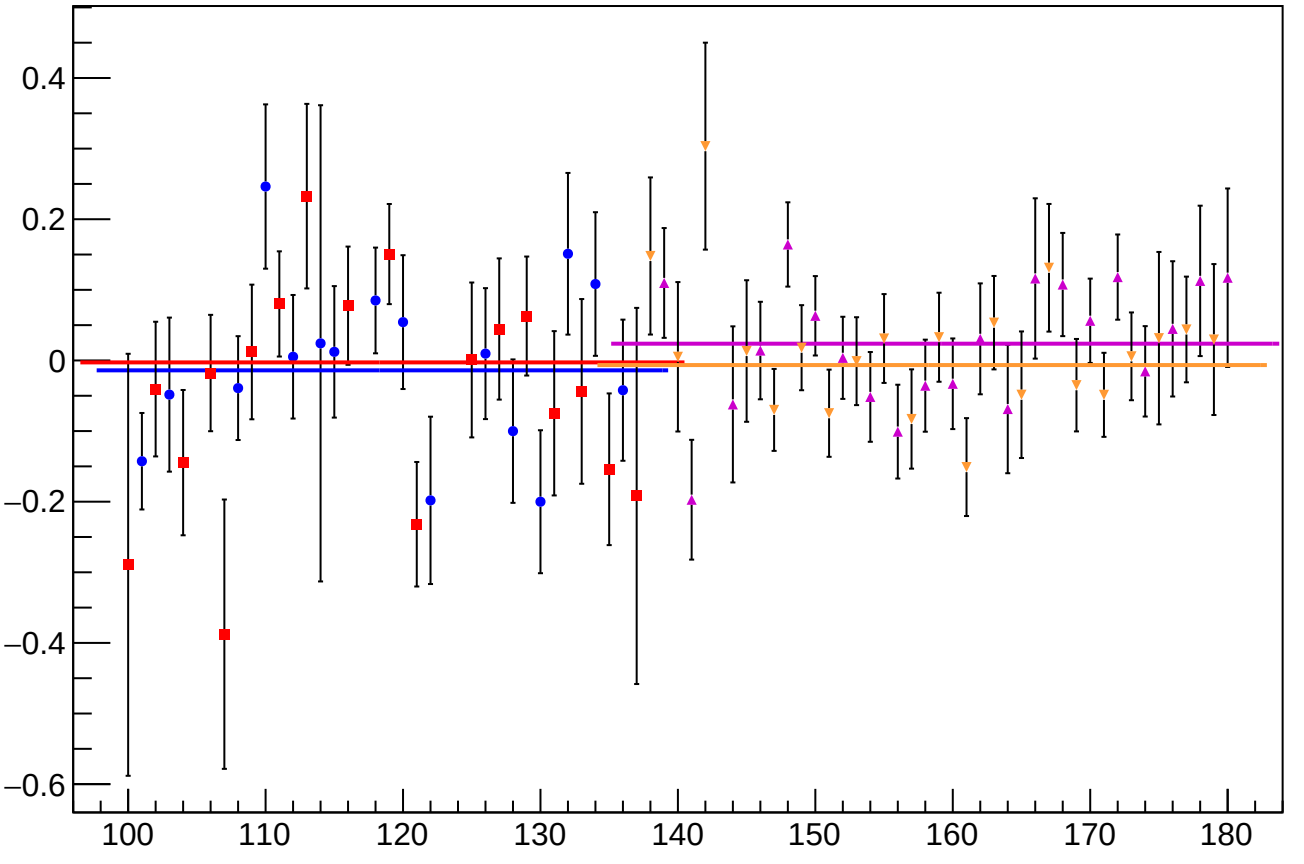
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

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

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

All: 0.003+/-0.000 χ^2/NDF: 13312325.3/75

- 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: -0.007+/-0.016 χ^2/NDF:20.1/20

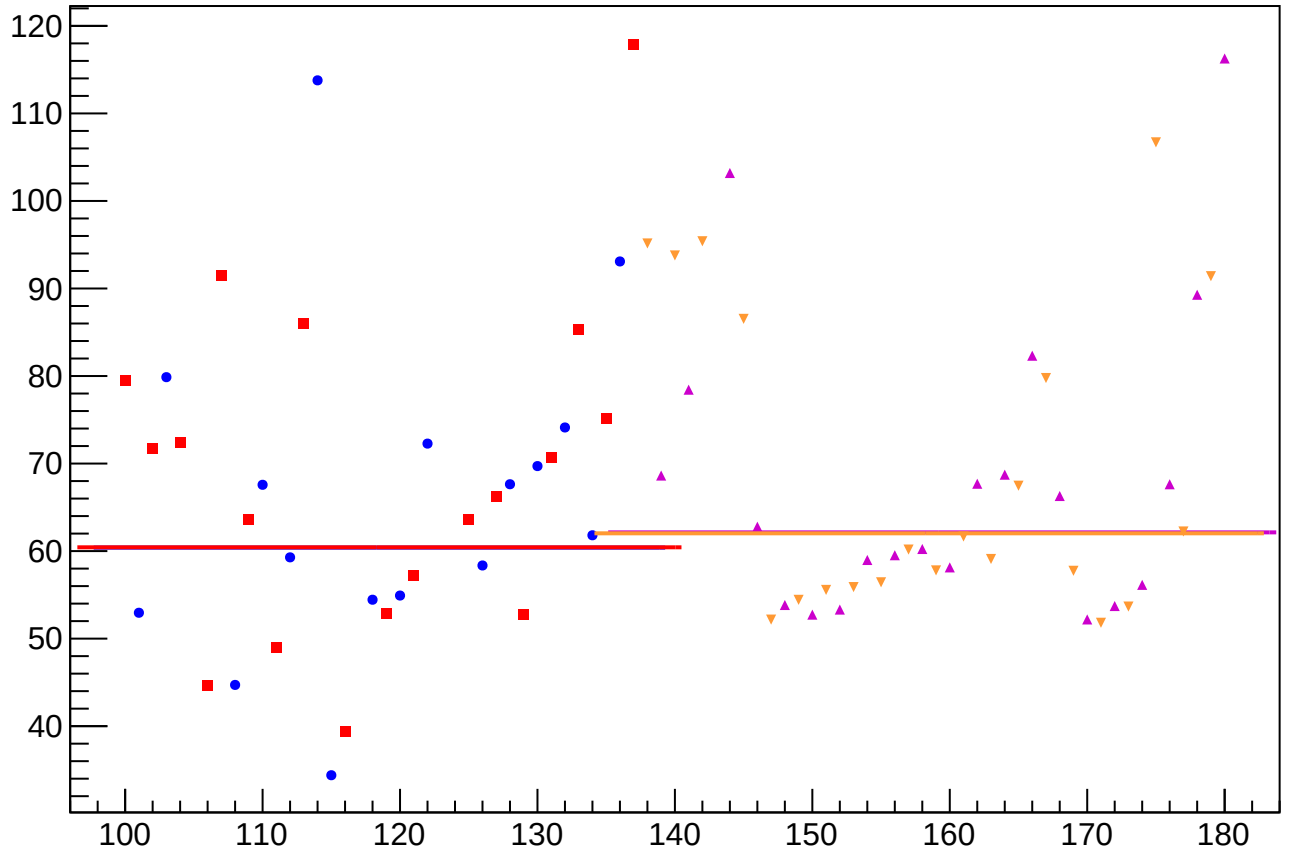
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

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

All: 0.004+/-0.009 χ^2/NDF: 100.6/75

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

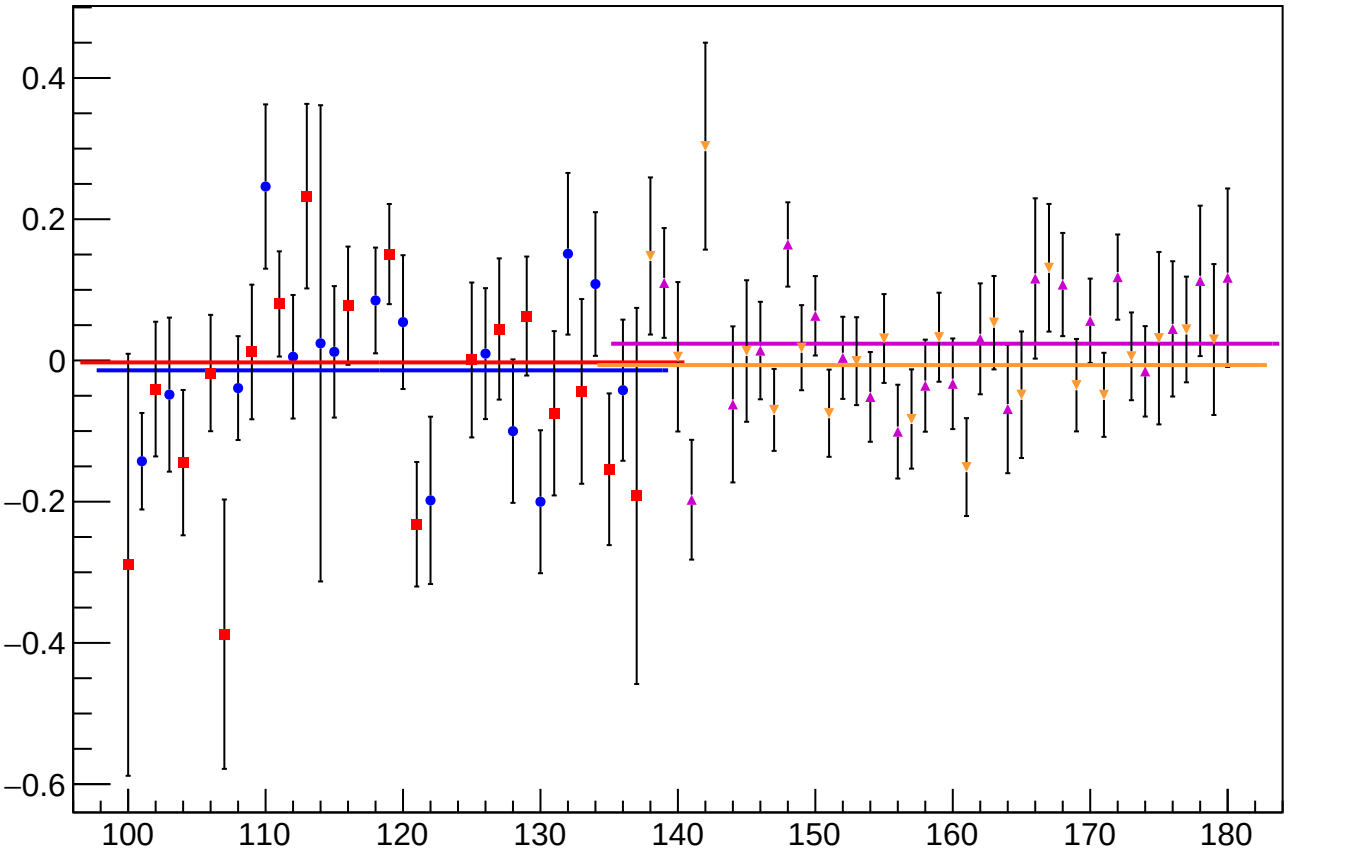
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

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

All: 61.573+/-0.007 χ^2/NDF: 4003892.3/75

- 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: -0.007+/-0.016 χ^2/NDF:20.1/20

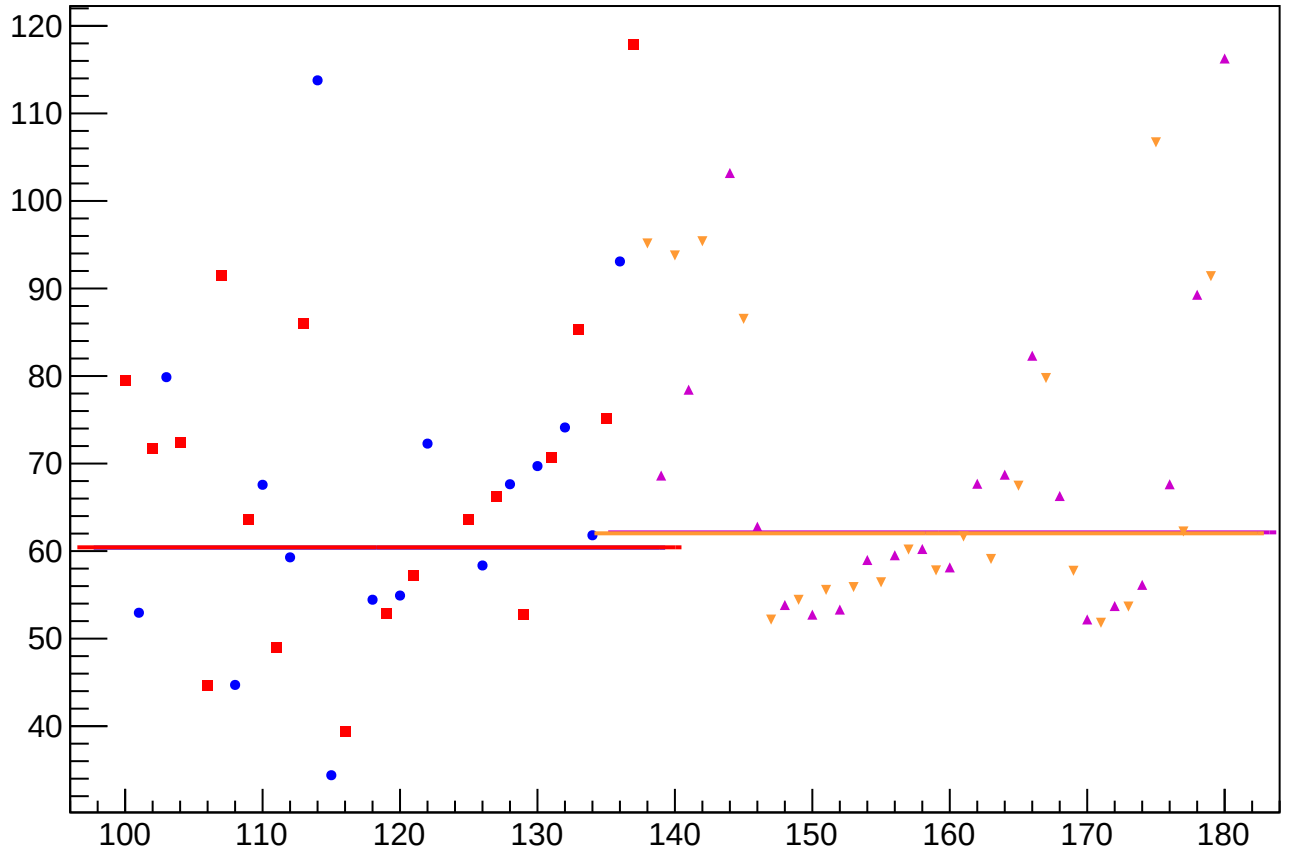
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

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

All: 0.004+/-0.009 χ^2/NDF: 100.6/75

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

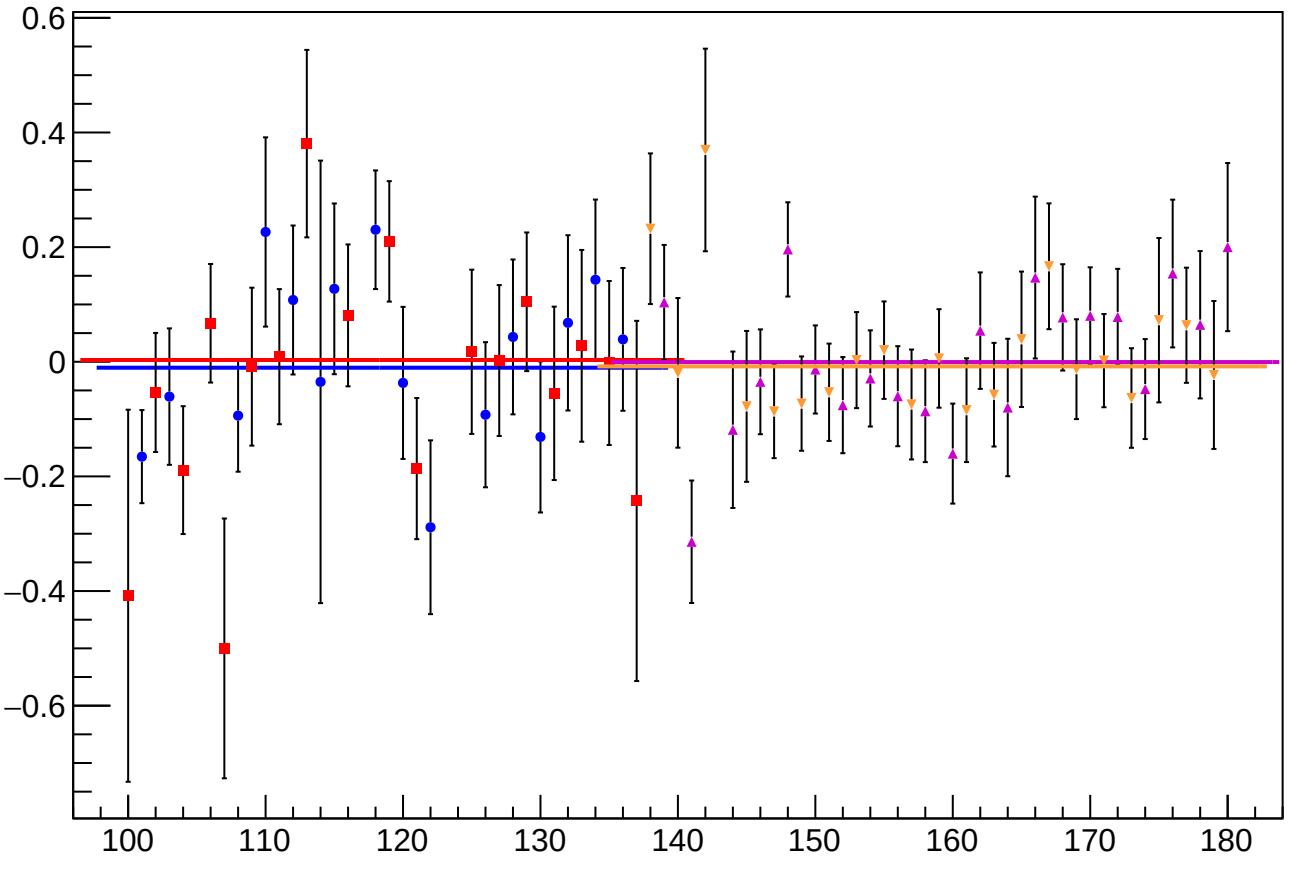
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

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

All: 61.573+/-0.007 χ^2/NDF: 4003892.3/75

- 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: -0.008+/-0.021 χ^2/NDF:15.6/20

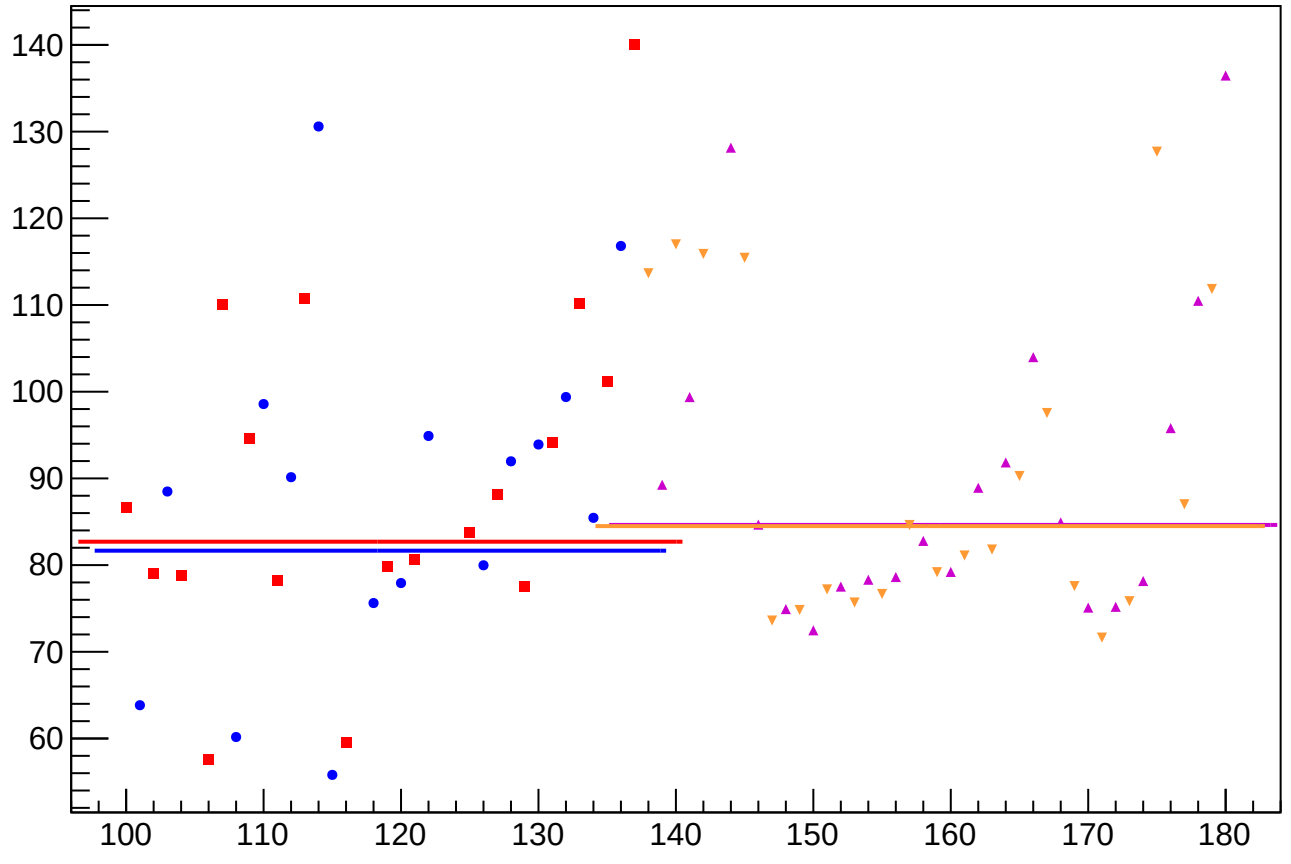
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

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

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

All: -0.004+/-0.012 χ^2/NDF: 89.8/75

- sign 0.001+/-0.018 χ^2/NDF: 53.8/38



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

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

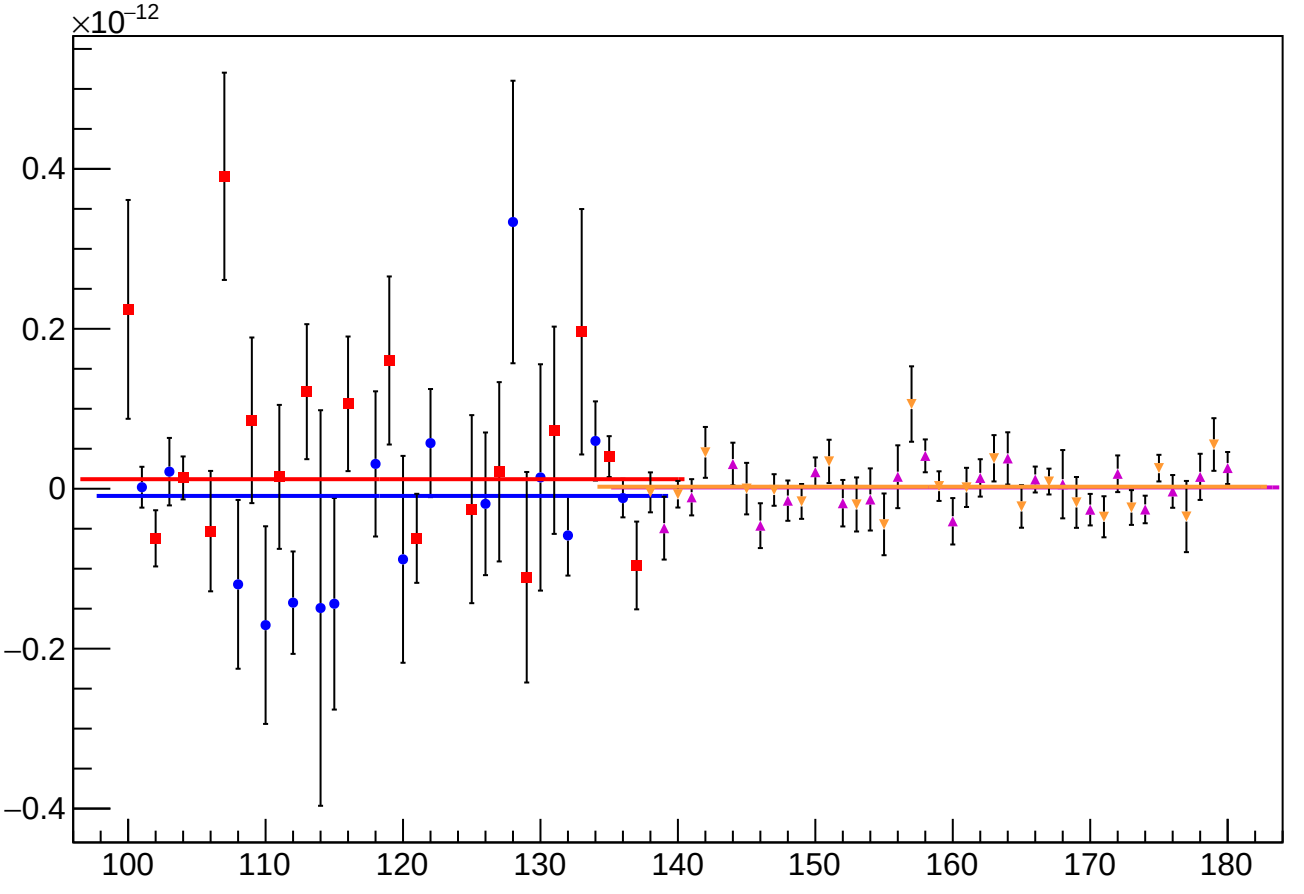
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 84.635+/-0.015 χ^2/NDF:823262.4/20

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

All: 83.829+/-0.009 χ^2/NDF: 2788709.2/75

- sign 84.045+/-0.012 χ^2/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:22.8/20

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

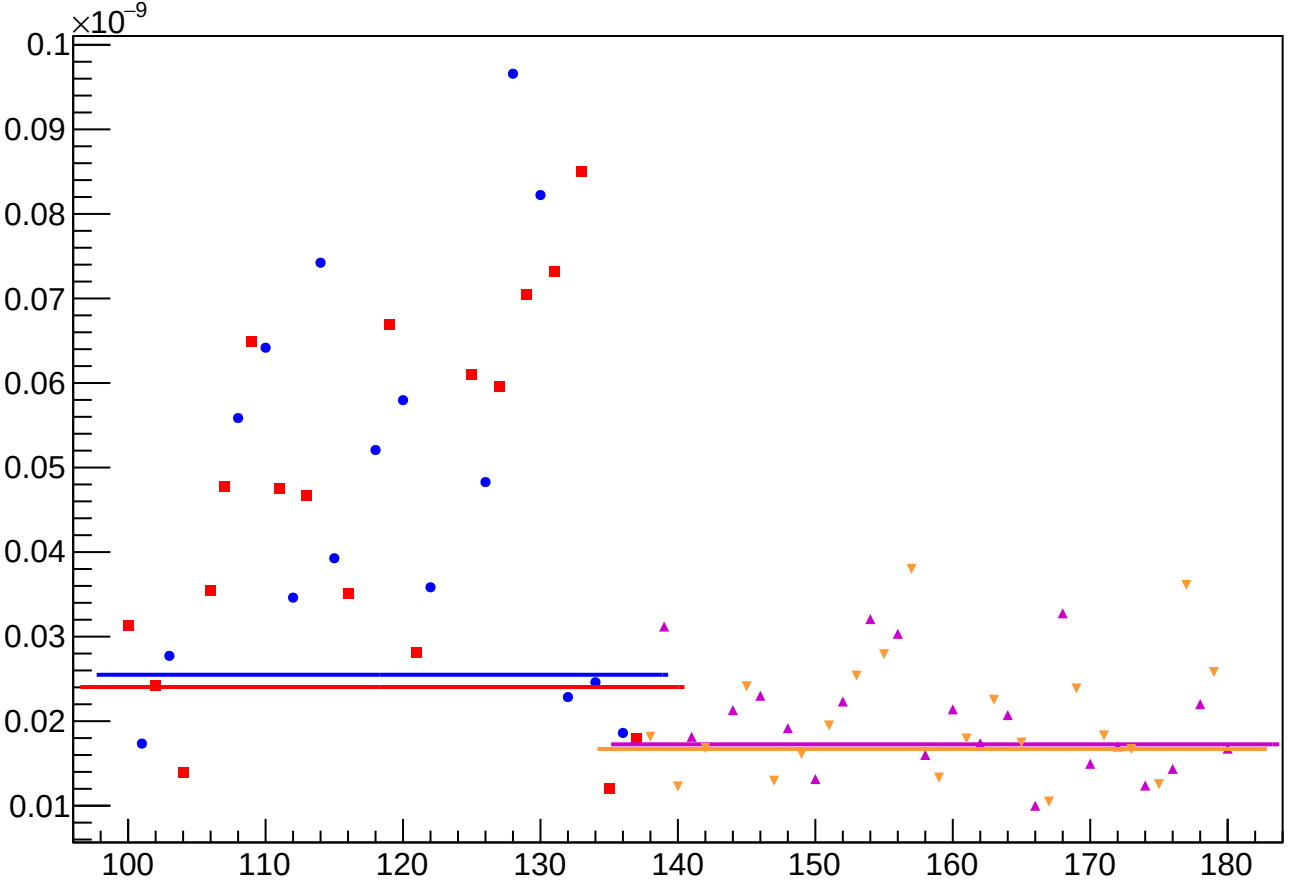
Left In: 0.000+/-0.000 χ^2/NDF:22.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/36

All: 0.000+/-0.000 χ^2/NDF: 95.4/75

- 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:2275192.0/20

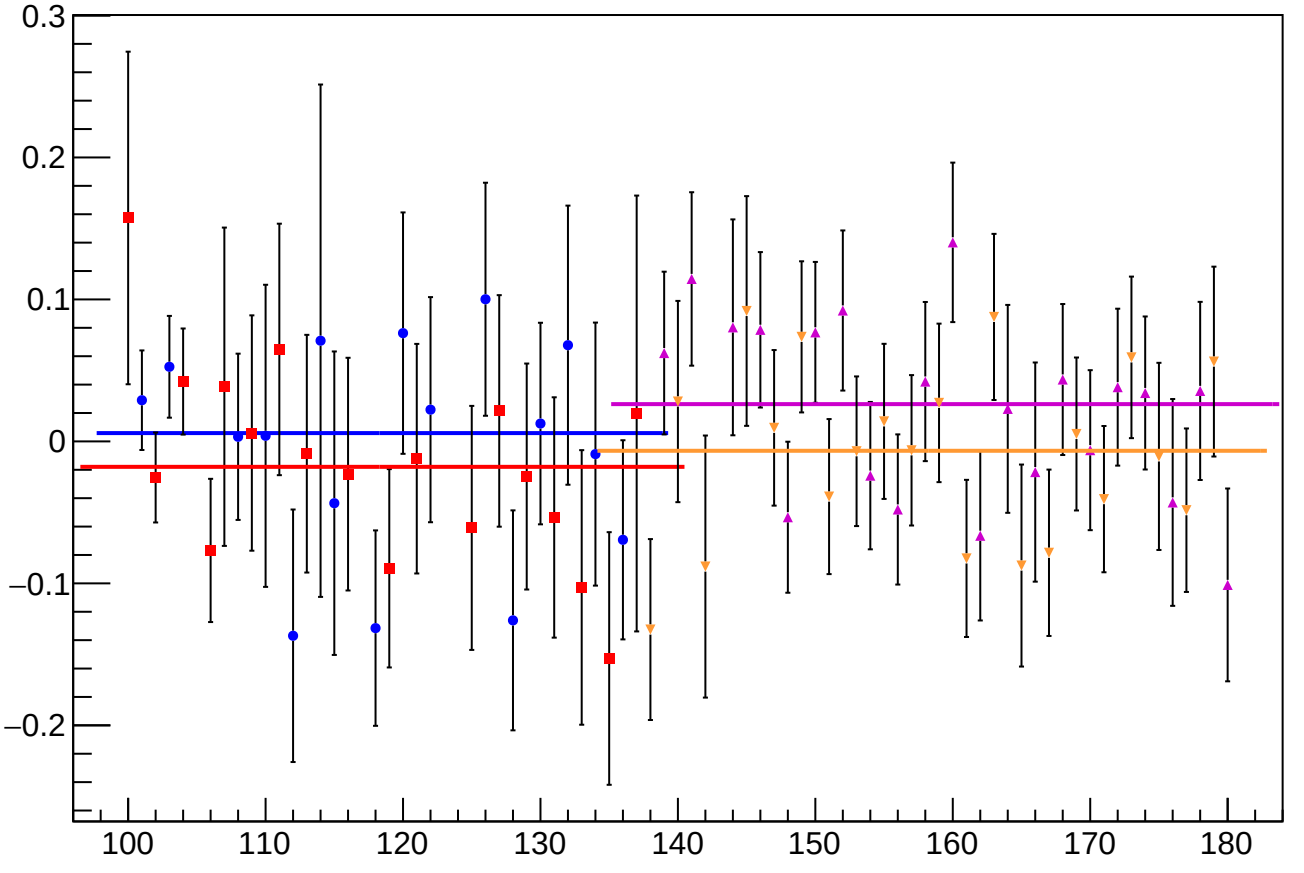
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

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

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

All: 0.000+/-0.000 χ^2/NDF: 10652134.0/75

- 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: -0.007+/-0.013 χ^2/NDF:20.1/20

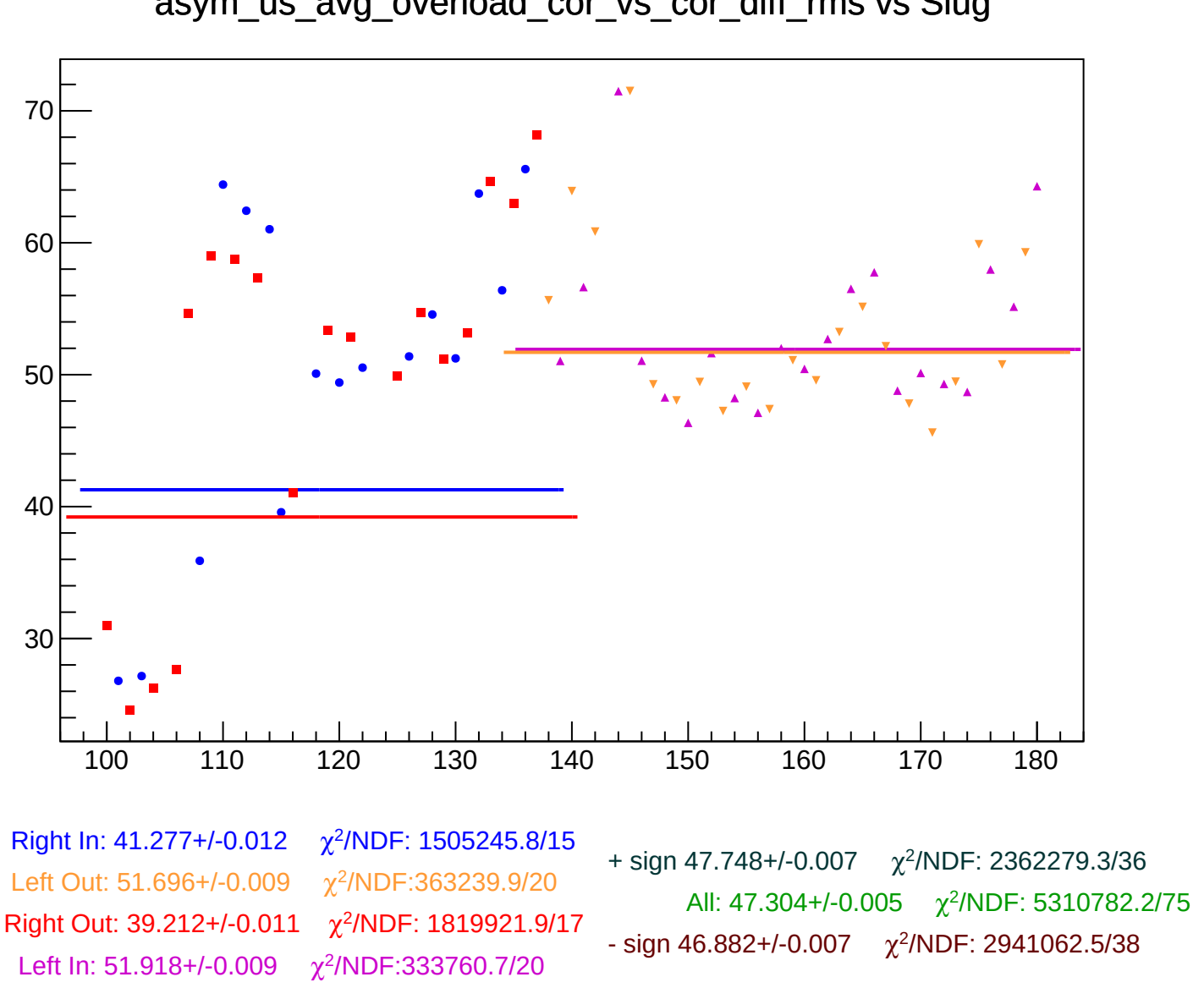
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

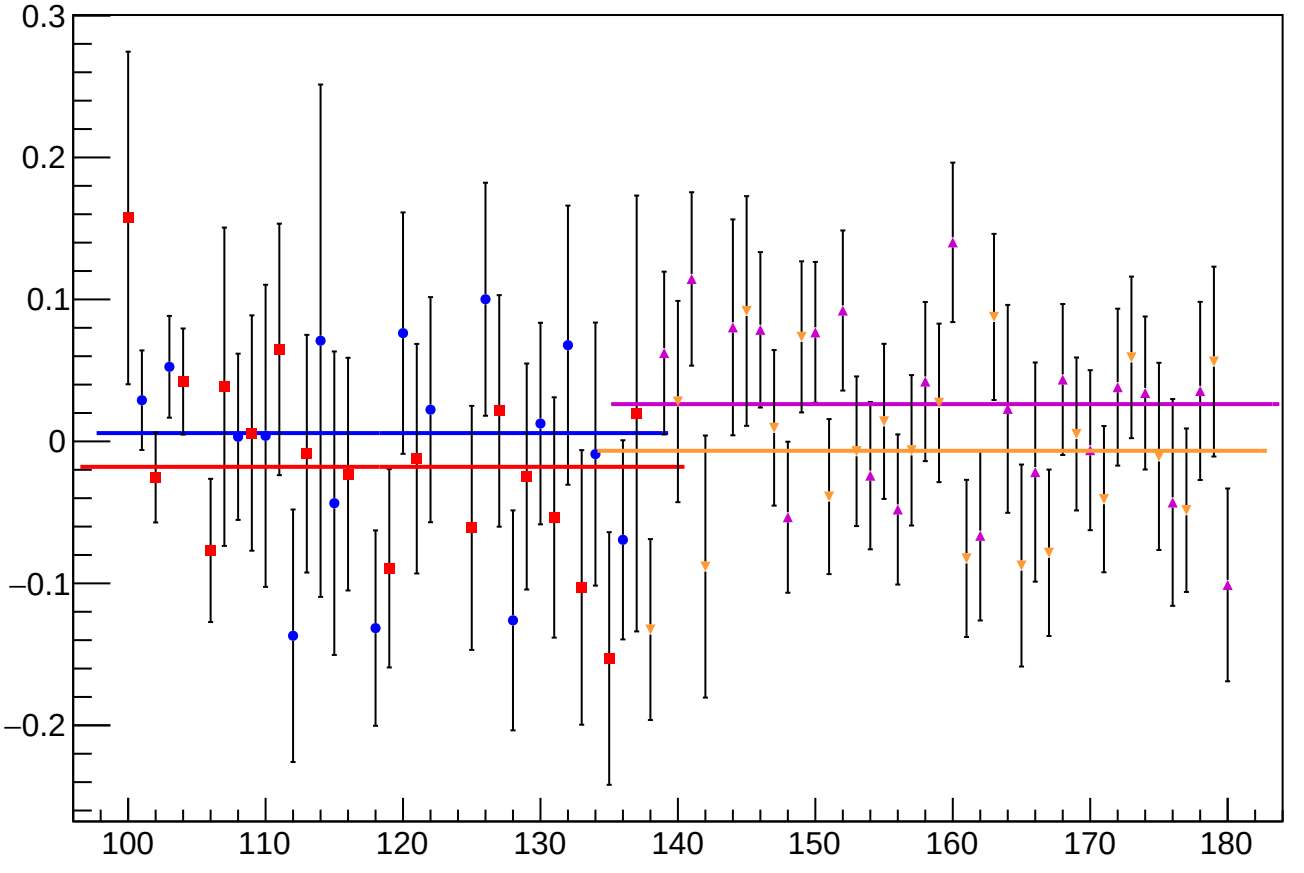
Left In: 0.026+/-0.013 χ^2/NDF:23.4/20

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

All: 0.004+/-0.007 χ^2/NDF: 77.1/75

- sign 0.009+/-0.010 χ^2/NDF: 40.5/38


asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug
70
60
50
40
30
100
110
120
130
140
150
160
170
180
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 51.696+/-0.009 χ²/NDF:363239.9/20
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 51.918+/-0.009 χ²/NDF:333760.7/20
+ sign 47.748+/-0.007 χ²/NDF: 2362279.3/36
All: 47.304+/-0.005 χ²/NDF: 5310782.2/75
- sign 46.882+/-0.007 χ²/NDF: 2941062.5/38



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

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

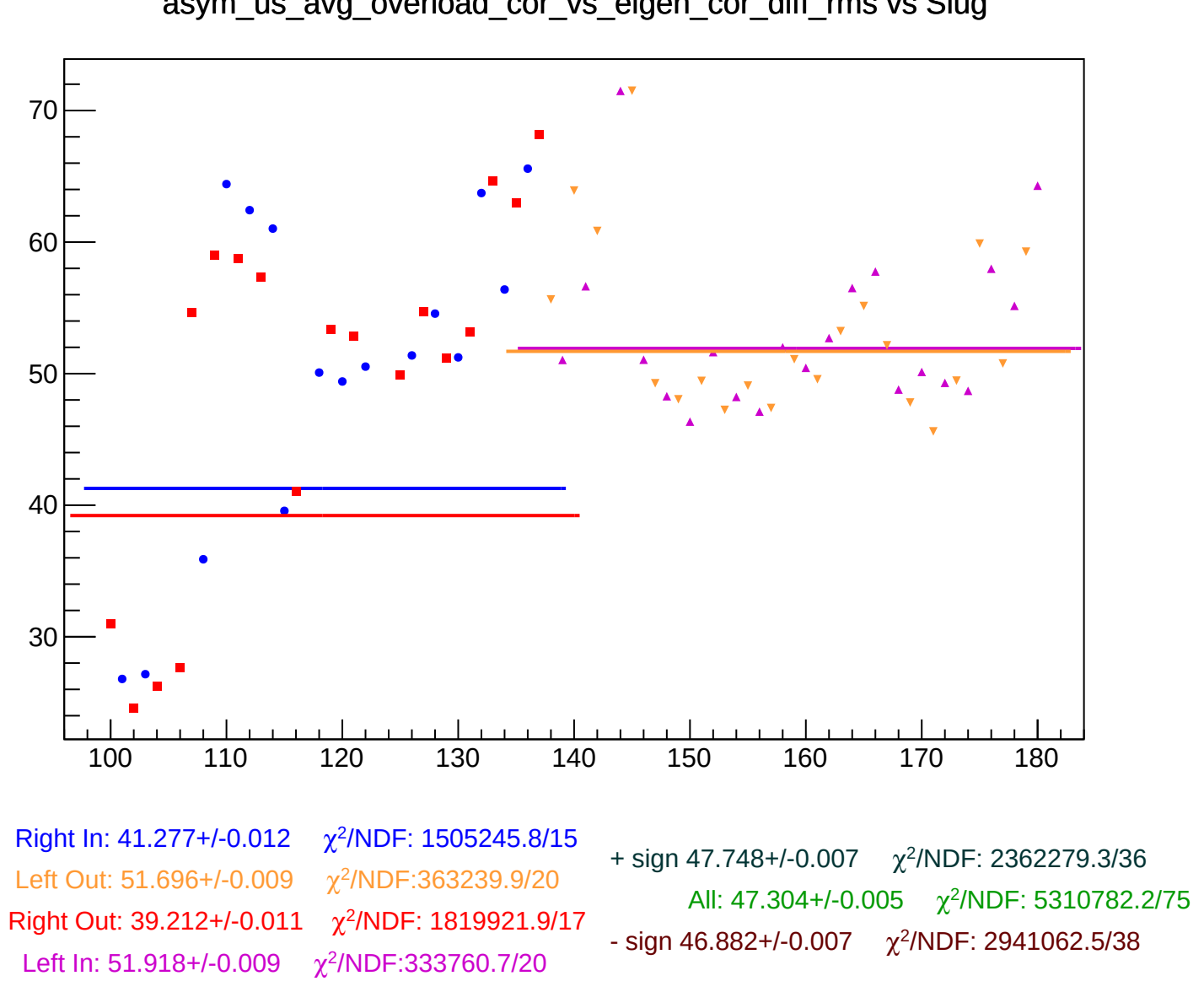
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

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

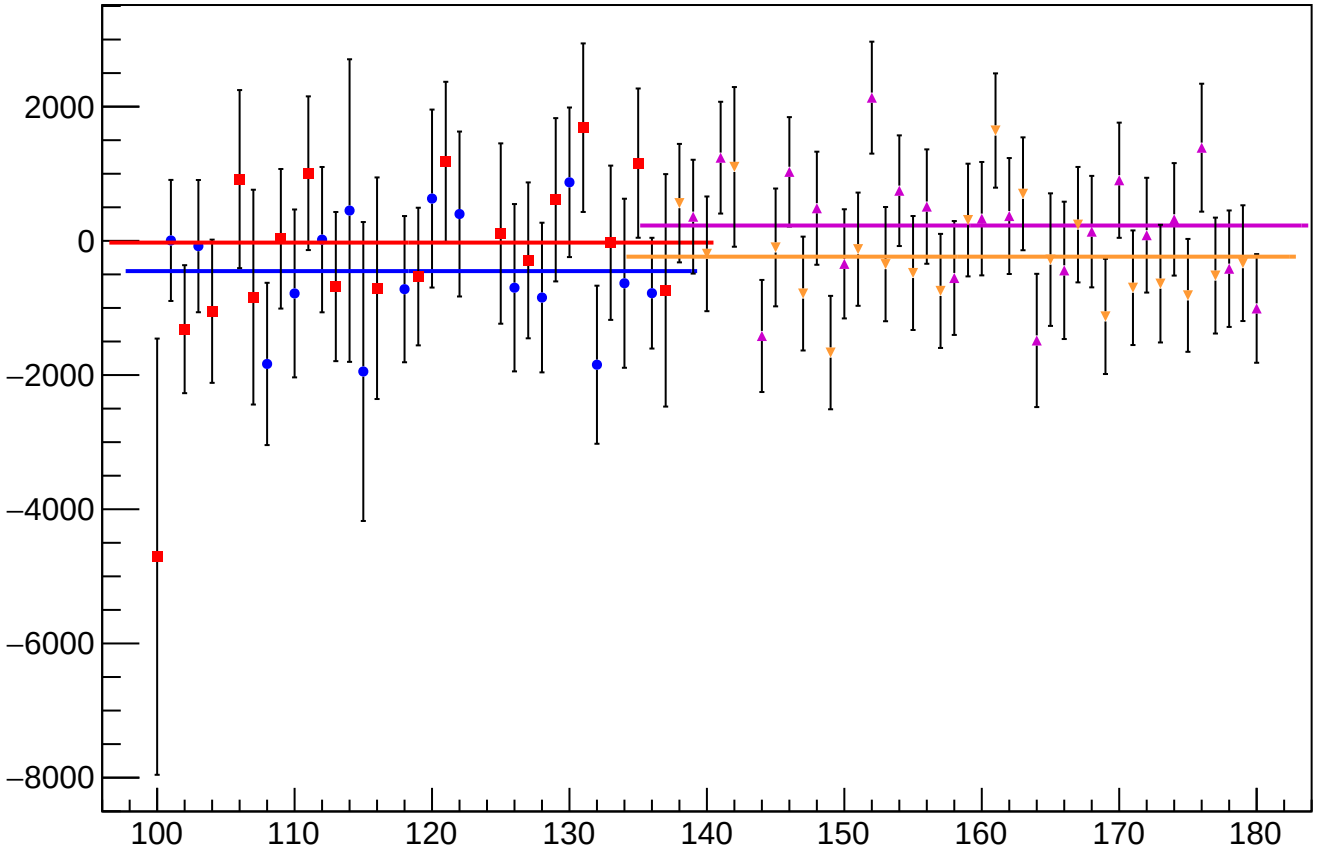
+ sign -0.002+/-0.010 χ^2/NDF: 36.1/36

All: 0.004+/-0.007 χ^2/NDF: 77.1/75

- sign 0.009+/-0.010 χ^2/NDF: 40.5/38


asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
100
110
120
130
140
150
160
170
180
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 51.696+/-0.009 χ²/NDF:363239.9/20
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 51.918+/-0.009 χ²/NDF:333760.7/20
+ sign 47.748+/-0.007 χ²/NDF: 2362279.3/36
All: 47.304+/-0.005 χ²/NDF: 5310782.2/75
- sign 46.882+/-0.007 χ²/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: -235.744+/-189.955 χ^2/NDF:14.9/20

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

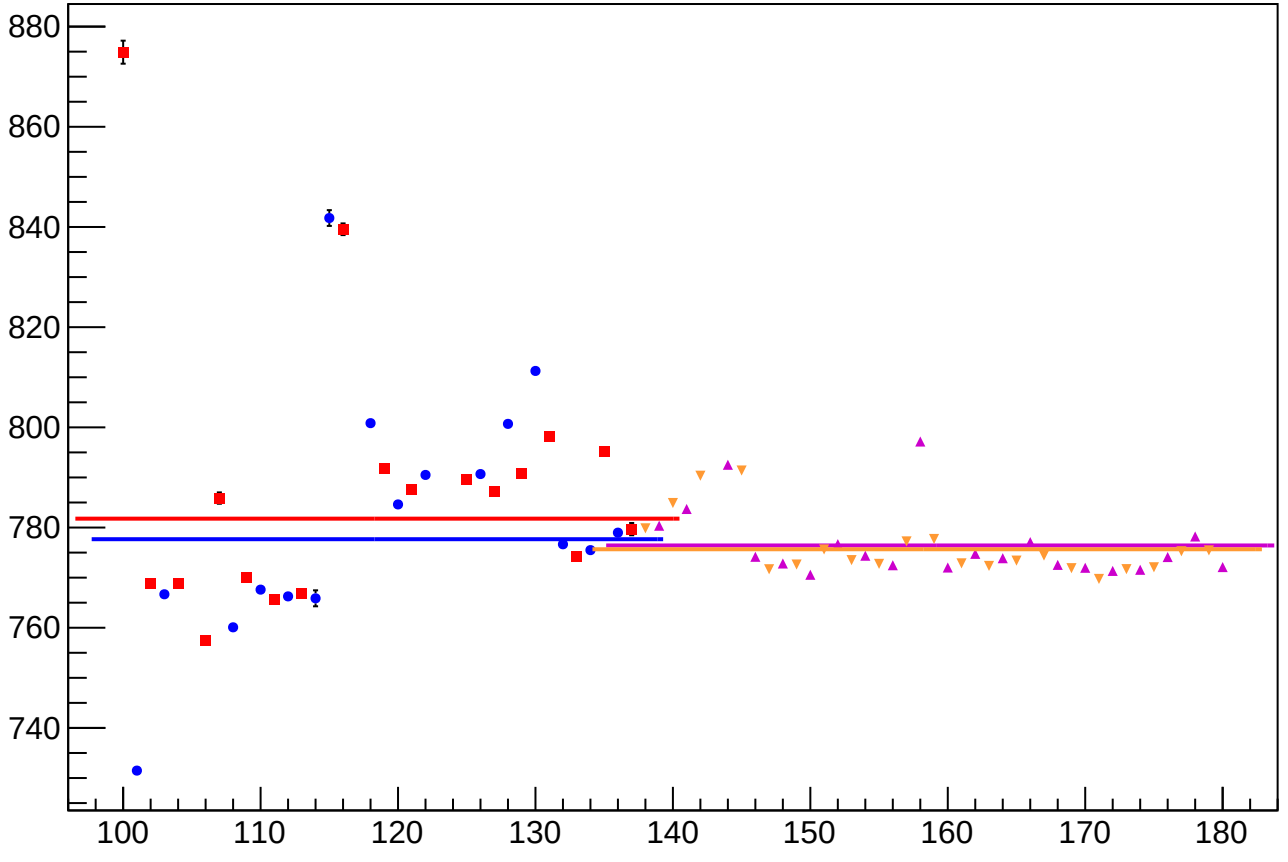
Left In: 228.494+/-186.918 χ^2/NDF:22.0/20

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

All: -71.041+/-111.551 χ^2/NDF: 60.6/75

- 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: 775.667+/-0.134 χ^2/NDF:1630.5/20

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

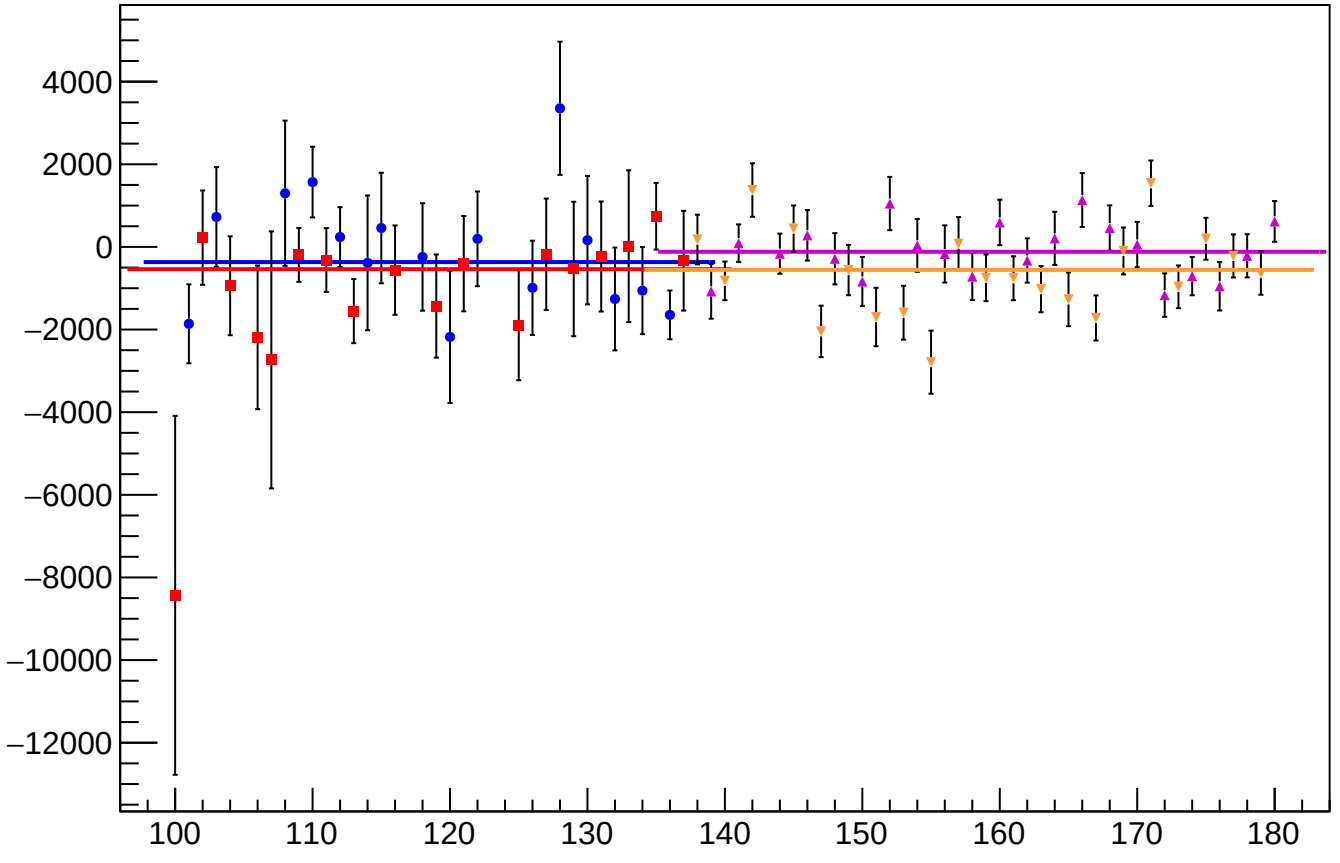
Left In: 776.424+/-0.132 χ^2/NDF:2734.5/20

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

All: 777.152+/-0.079 χ^2/NDF: 24721.3/75

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

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

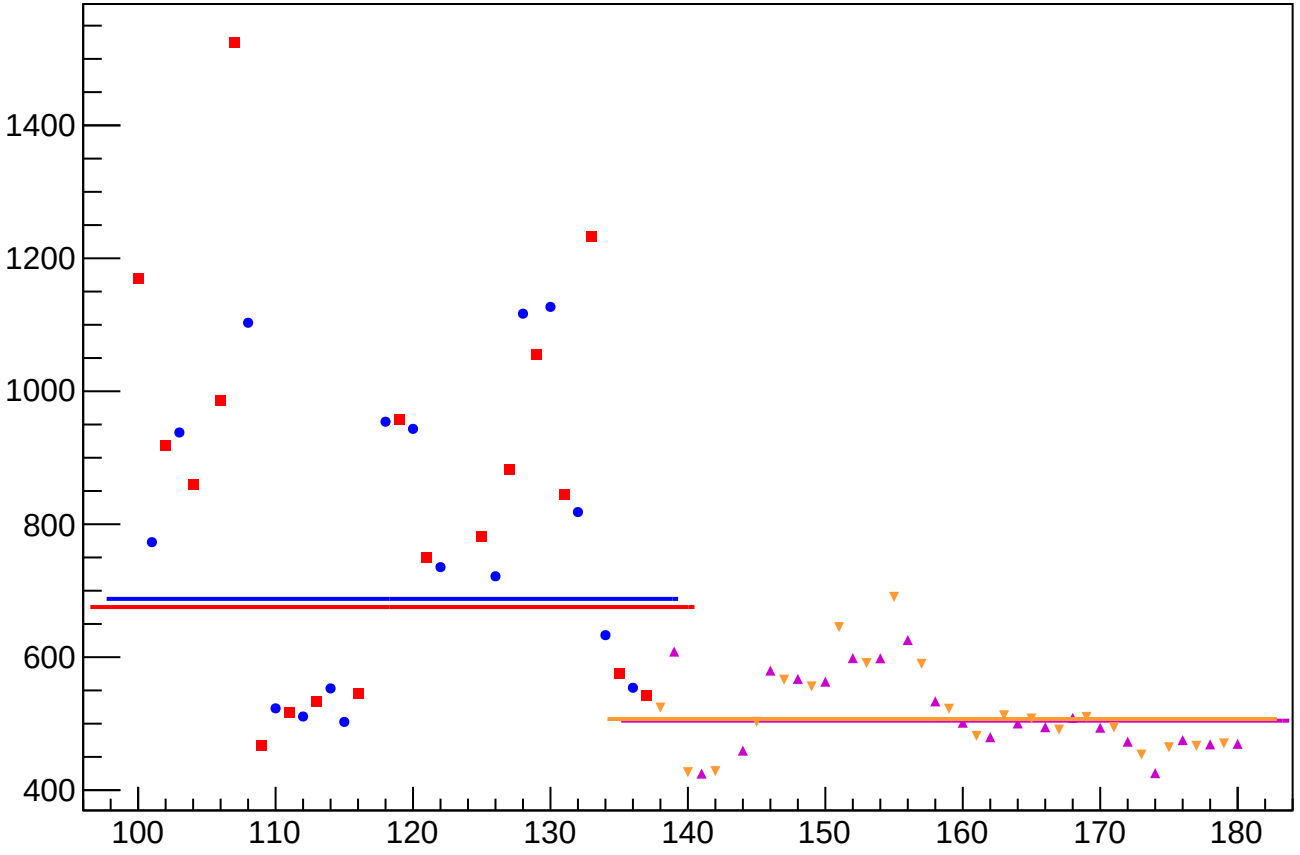
Left In: -117.961+/-122.489 χ^2/NDF:25.6/20

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

All: -353.733+/-79.348 χ^2/NDF: 126.9/75

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

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

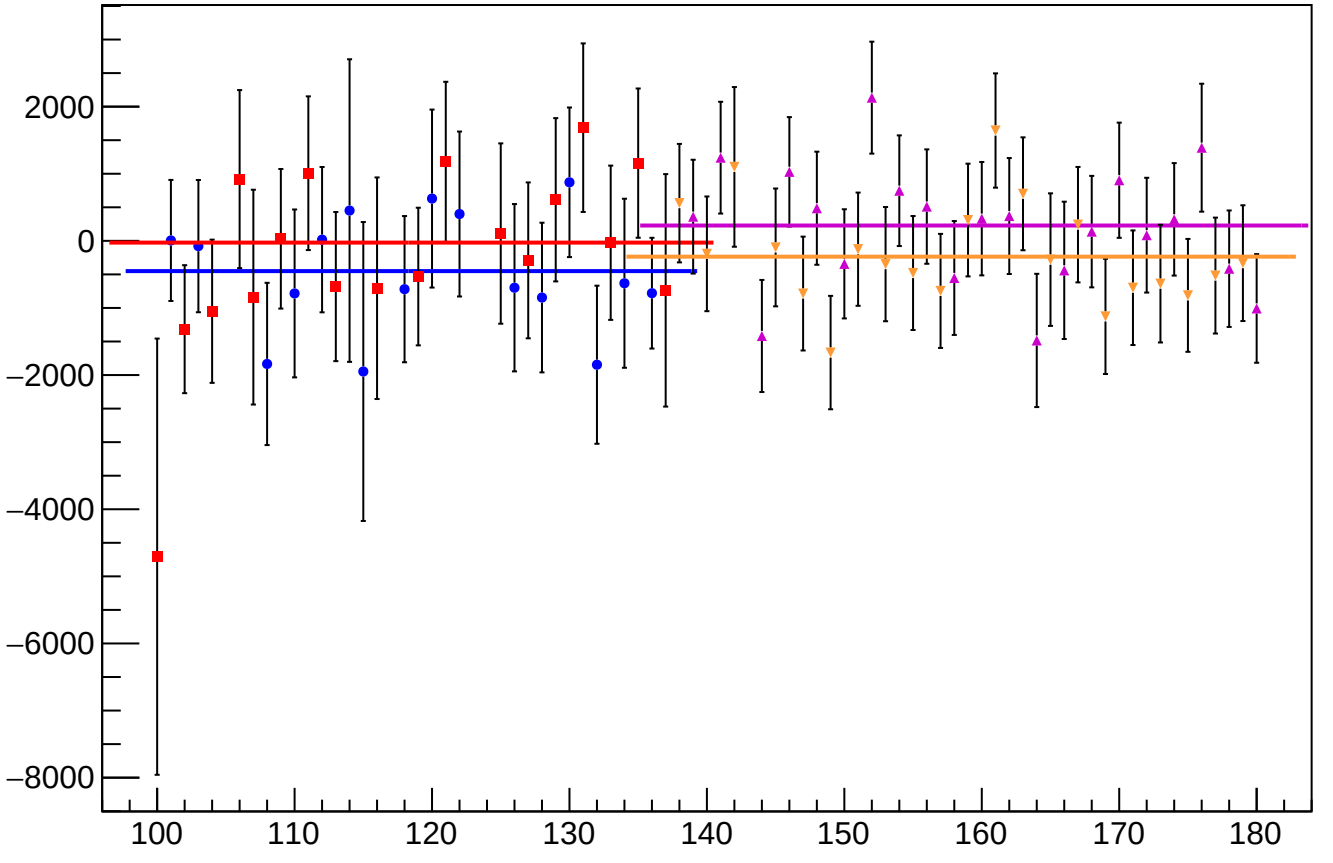
Left In: 504.503+/-0.087 χ^2/NDF:445923.4/20

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

All: 537.265+/-0.056 χ^2/NDF: 4685867.8/75

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

cor_asym_us_dd_mean vs Slug



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

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

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

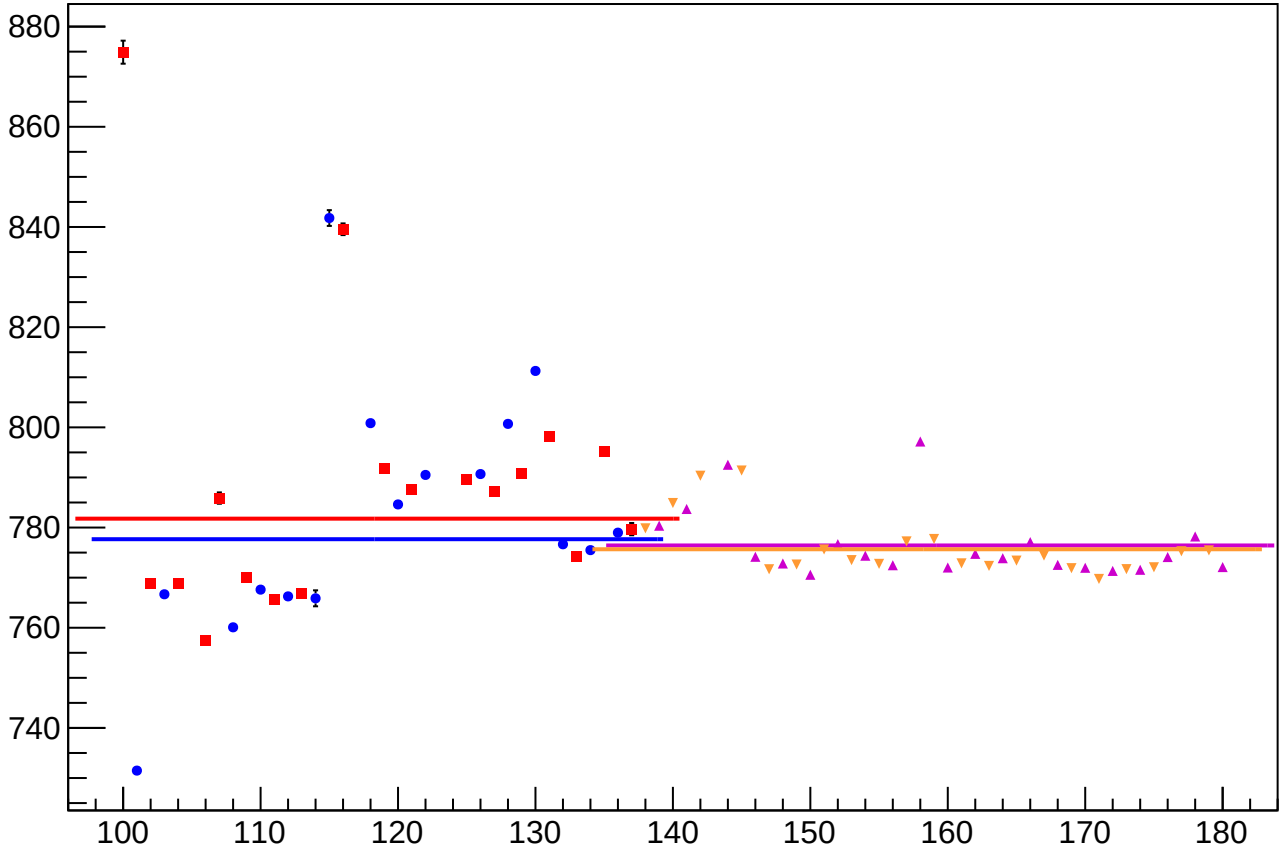
Left In: 228.494+/-186.918 χ^2/NDF:22.0/20

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

All: -71.041+/-111.551 χ^2/NDF: 60.6/75

- 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: 775.667+/-0.134 χ^2/NDF:1630.5/20

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

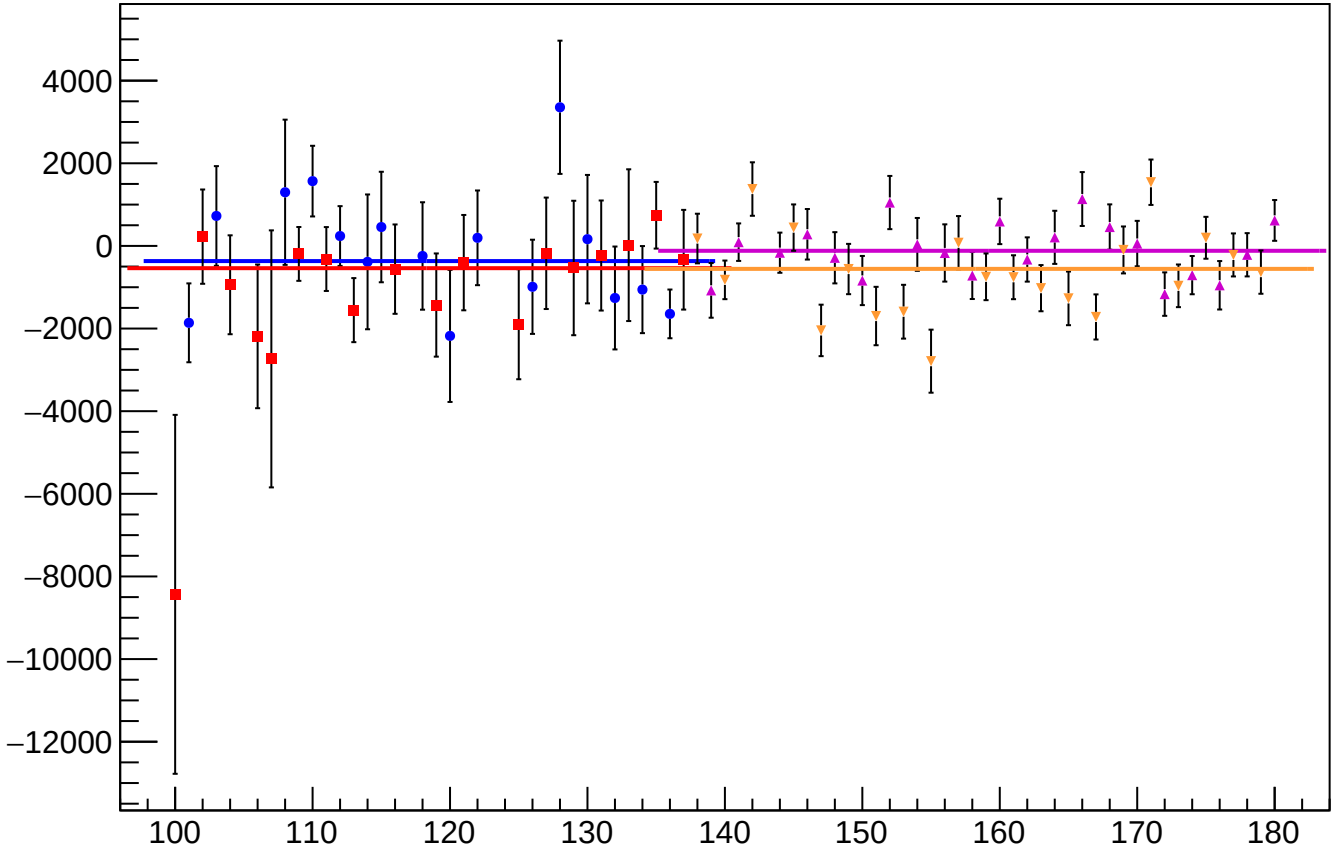
Left In: 776.424+/-0.132 χ^2/NDF:2734.5/20

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

All: 777.152+/-0.079 χ^2/NDF: 24721.3/75

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

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

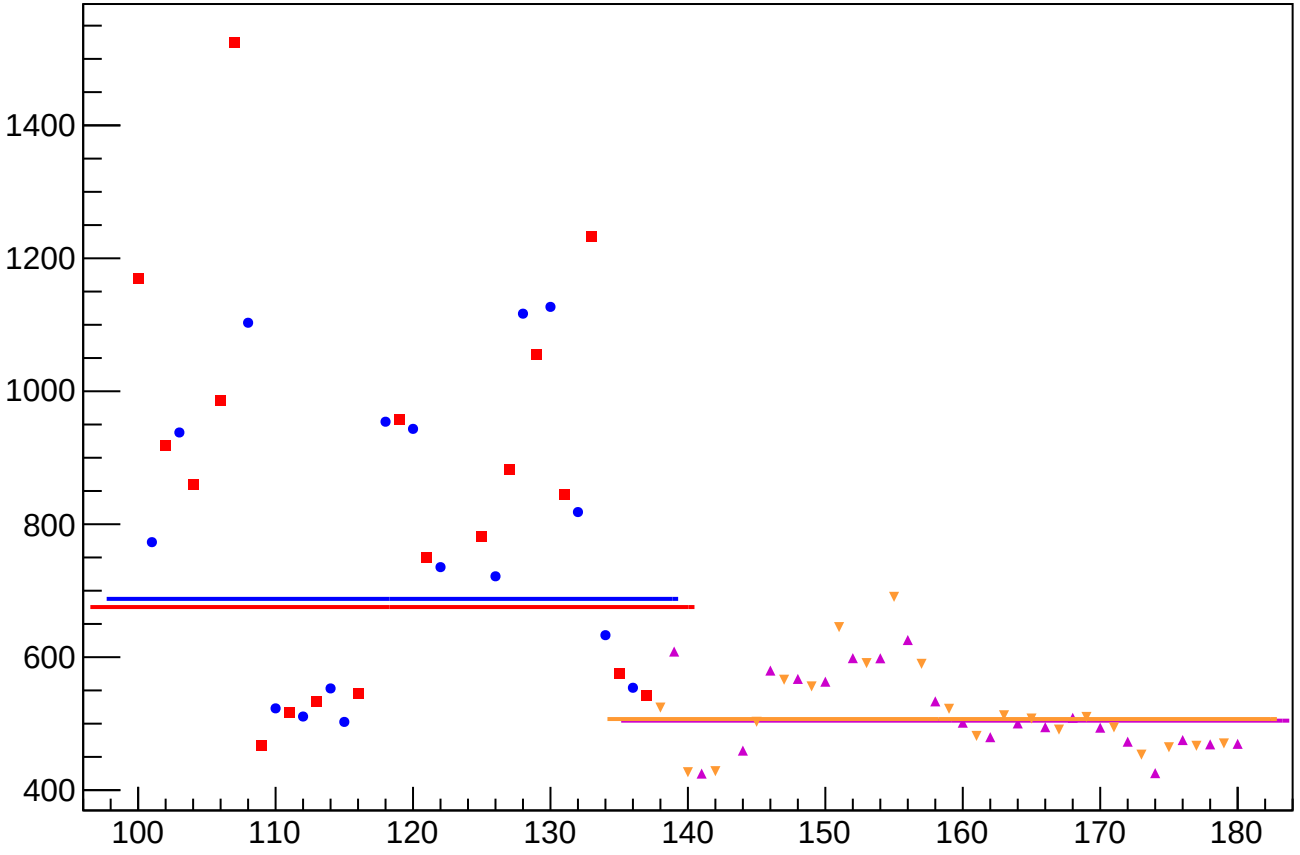
Left In: -117.961+/-122.489 χ^2/NDF:25.6/20

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

All: -353.733+/-79.348 χ^2/NDF: 126.9/75

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

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

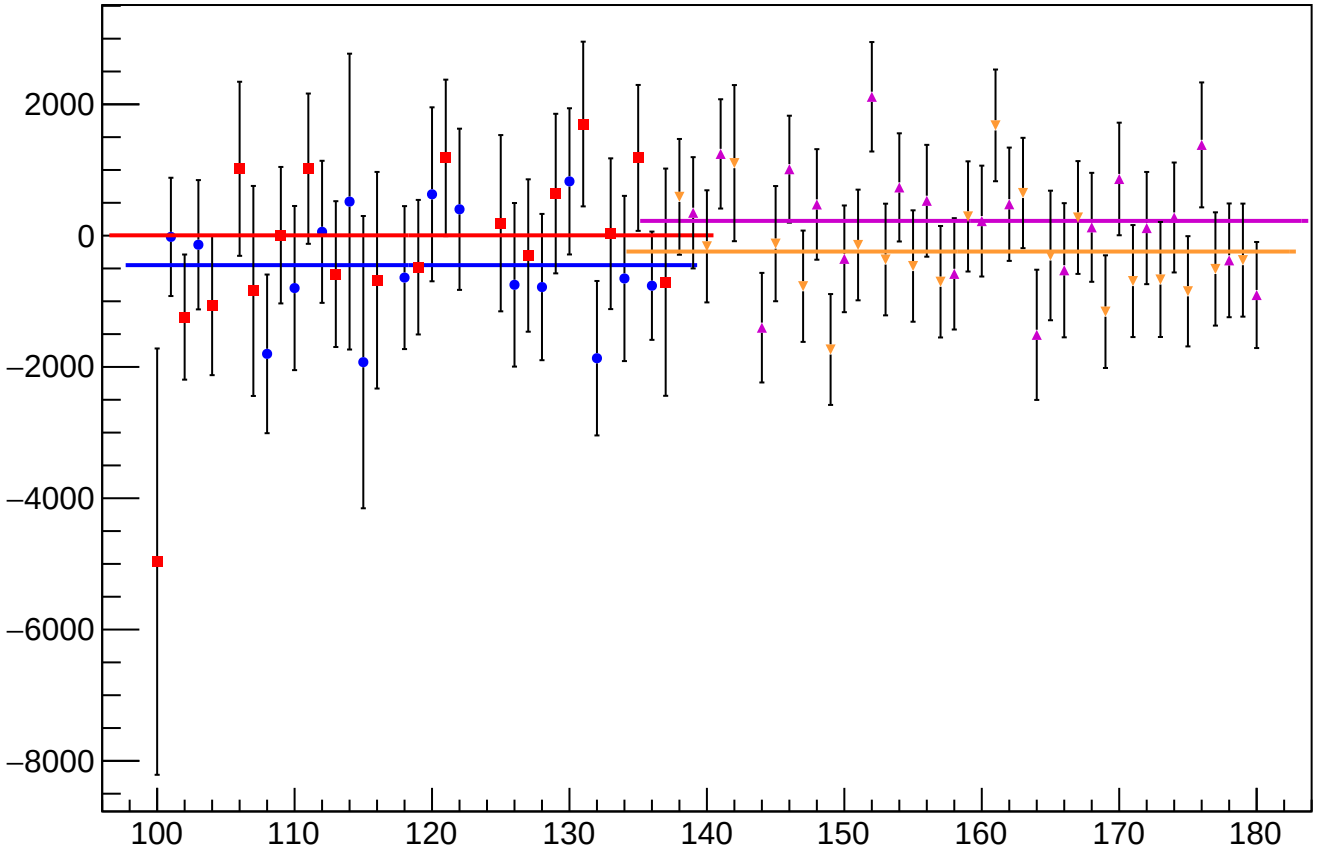
Left In: 504.503+/-0.087 χ^2/NDF:445923.4/20

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

All: 537.265+/-0.056 χ^2/NDF: 4685867.8/75

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

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

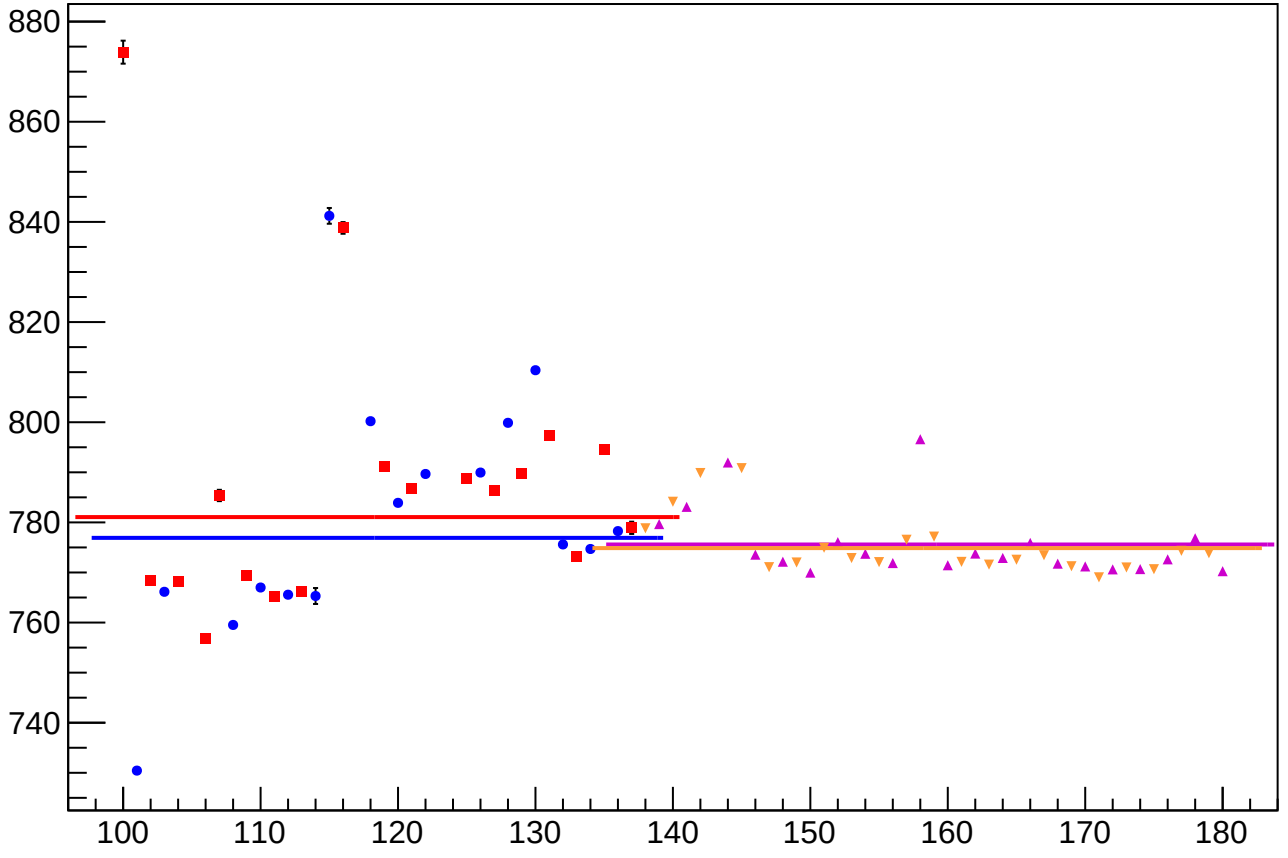
Left In: 224.511+/-186.716 χ^2/NDF:21.6/20

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

All: -69.882+/-111.437 χ^2/NDF: 60.7/75

- 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: 774.866+/-0.134 χ^2/NDF:1664.8/20

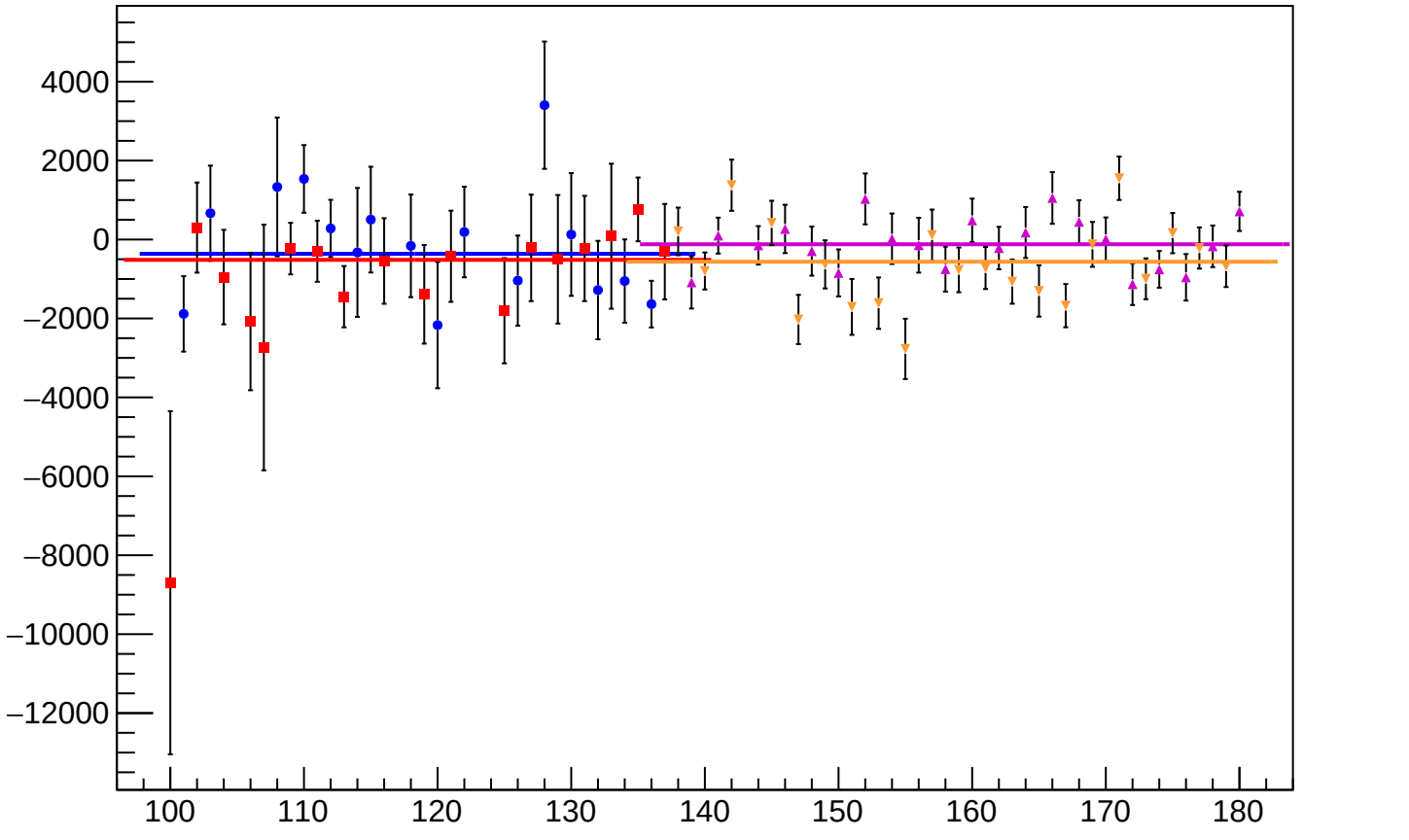
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

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

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

All: 776.356+/-0.079 χ^2/NDF: 24884.8/75

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

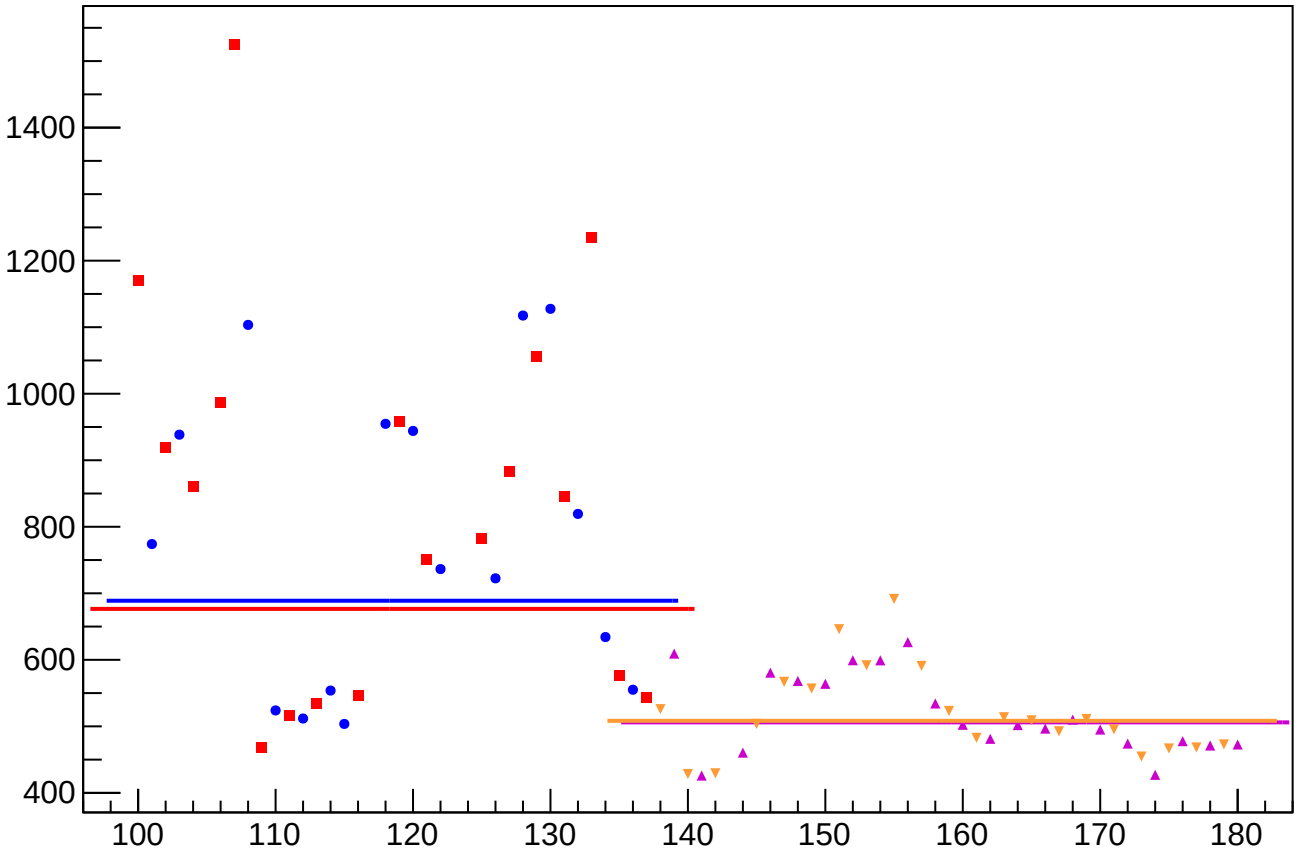
Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

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

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

All: -354.909+/-79.547 χ^2/NDF: 125.6/75

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

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

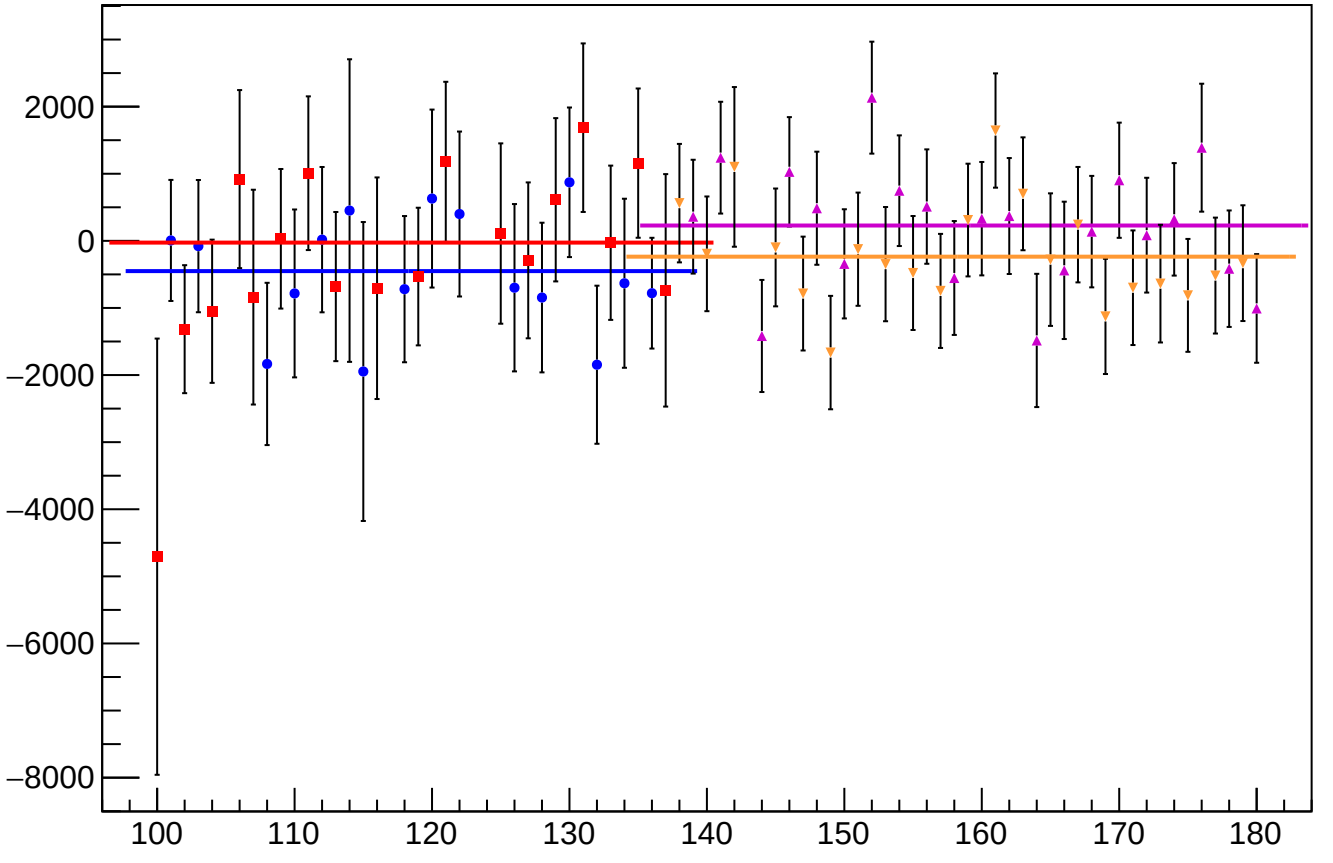
Left In: 505.983+/-0.087 χ^2/NDF:439271.0/20

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

All: 538.712+/-0.056 χ^2/NDF: 4655085.8/75

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

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

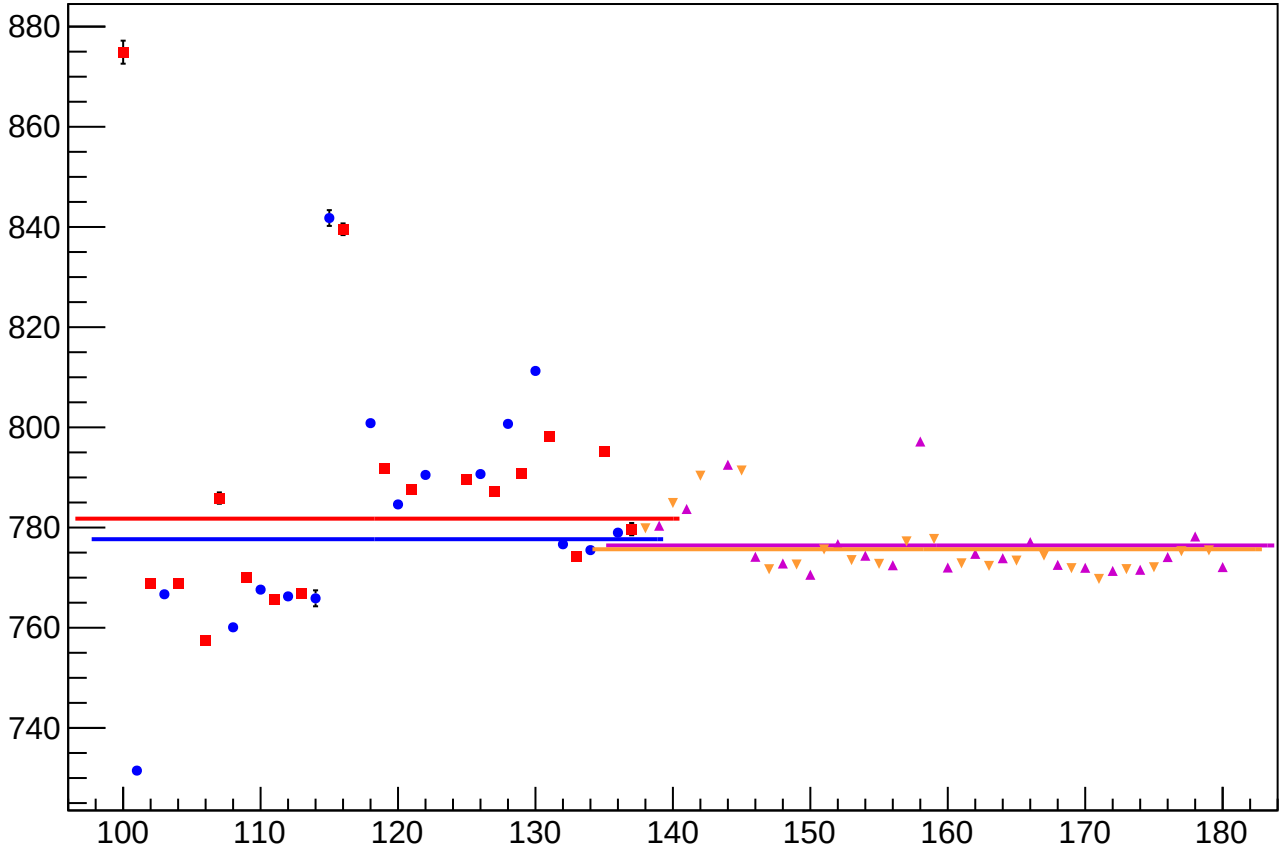
Left In: 228.494+/-186.918 χ^2/NDF:22.0/20

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

All: -71.041+/-111.551 χ^2/NDF: 60.6/75

- 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: 775.667+/-0.134 χ^2/NDF:1630.5/20

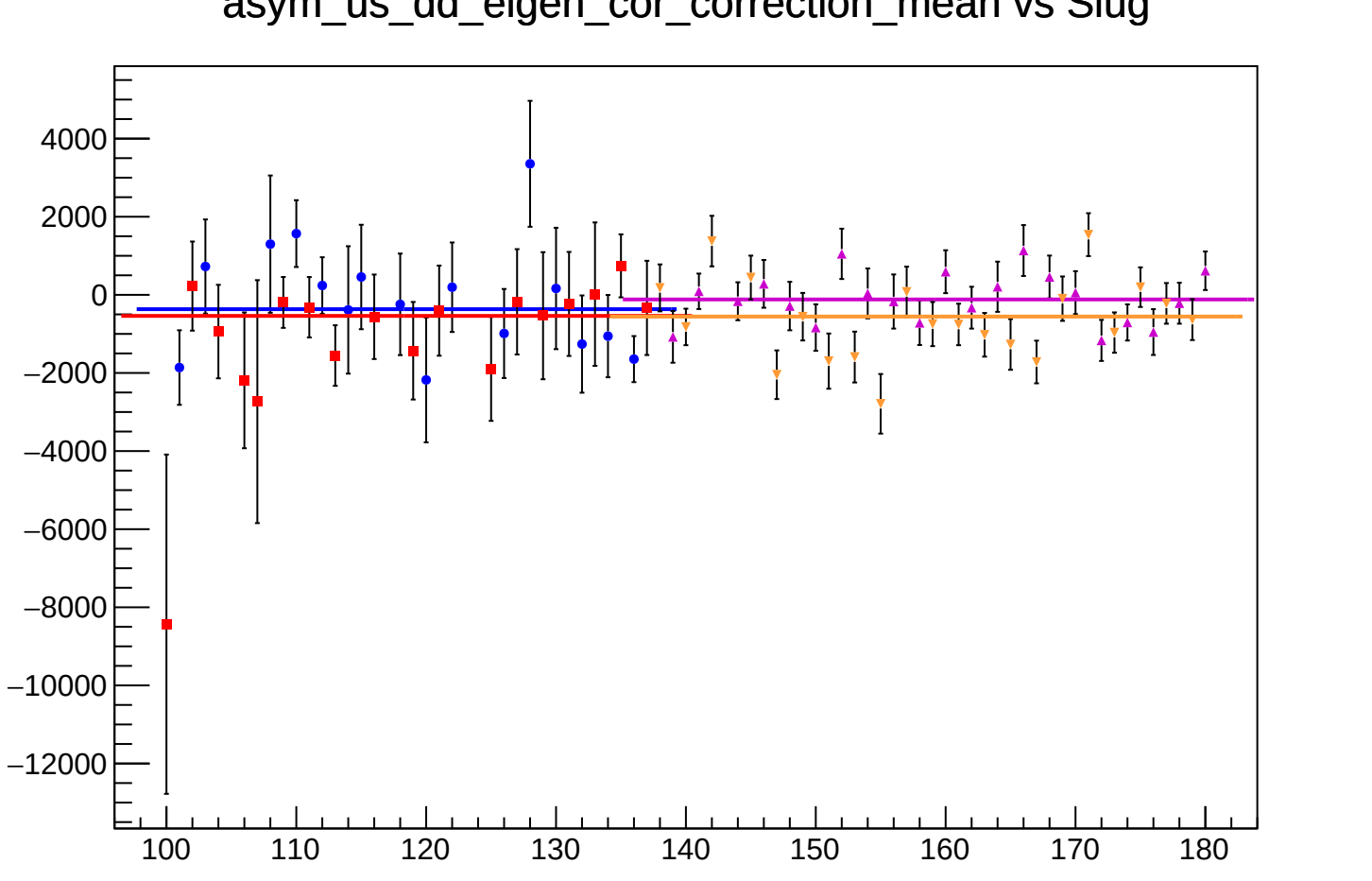
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

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

All: 777.152+/-0.079 χ^2/NDF: 24721.3/75

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

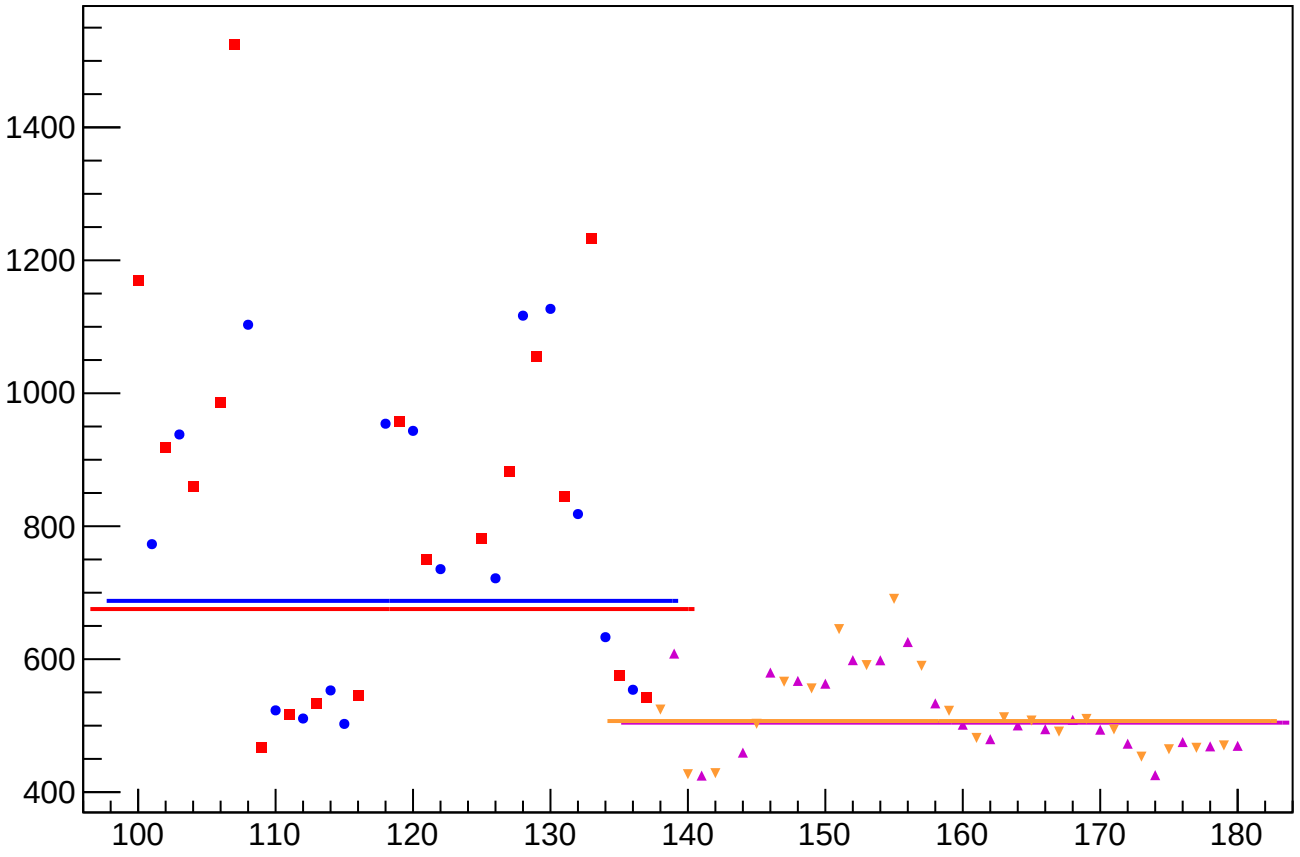
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

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

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

All: -353.733+/-79.348 χ^2/NDF: 126.9/75

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

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

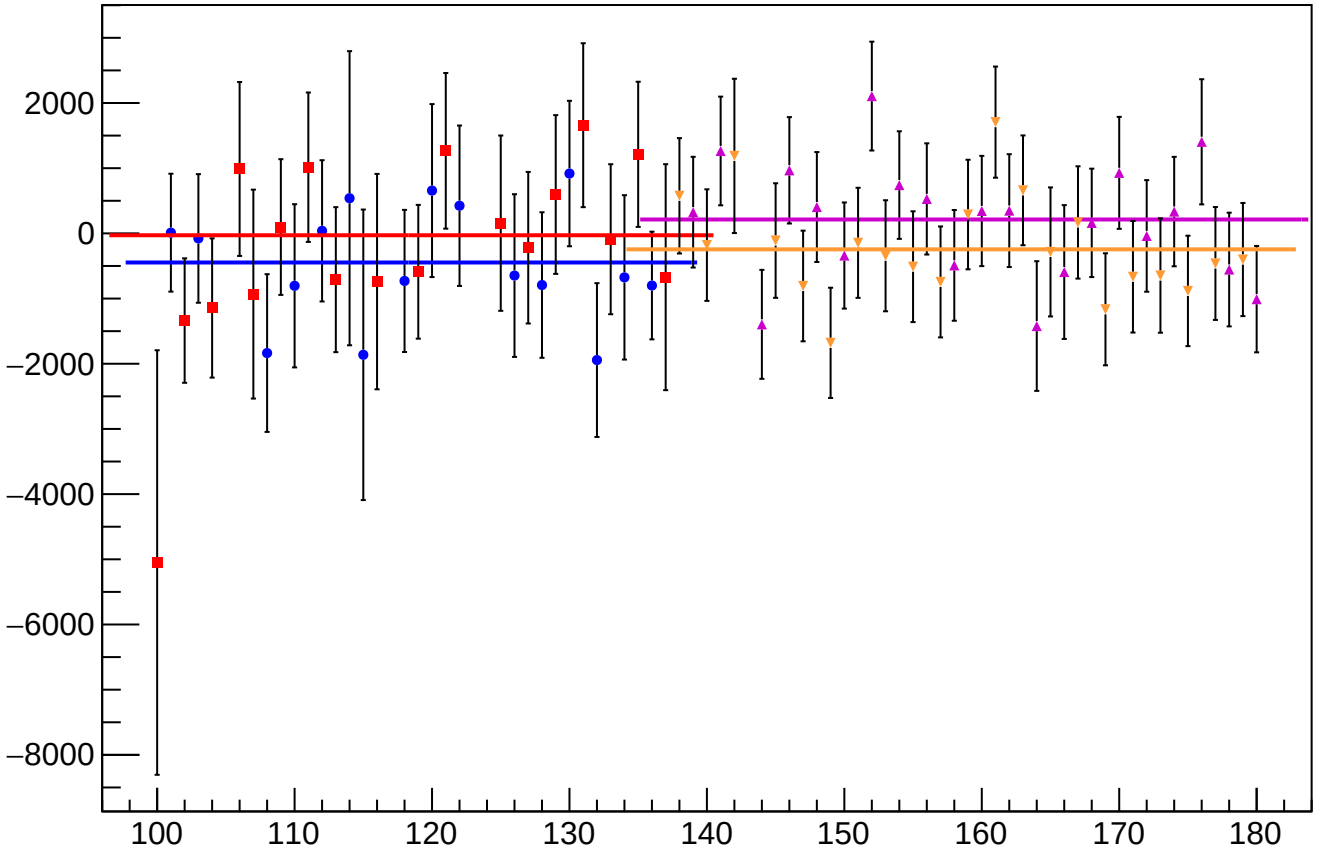
Left In: 504.503+/-0.087 χ^2/NDF:445923.4/20

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

All: 537.265+/-0.056 χ^2/NDF: 4685867.8/75

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

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

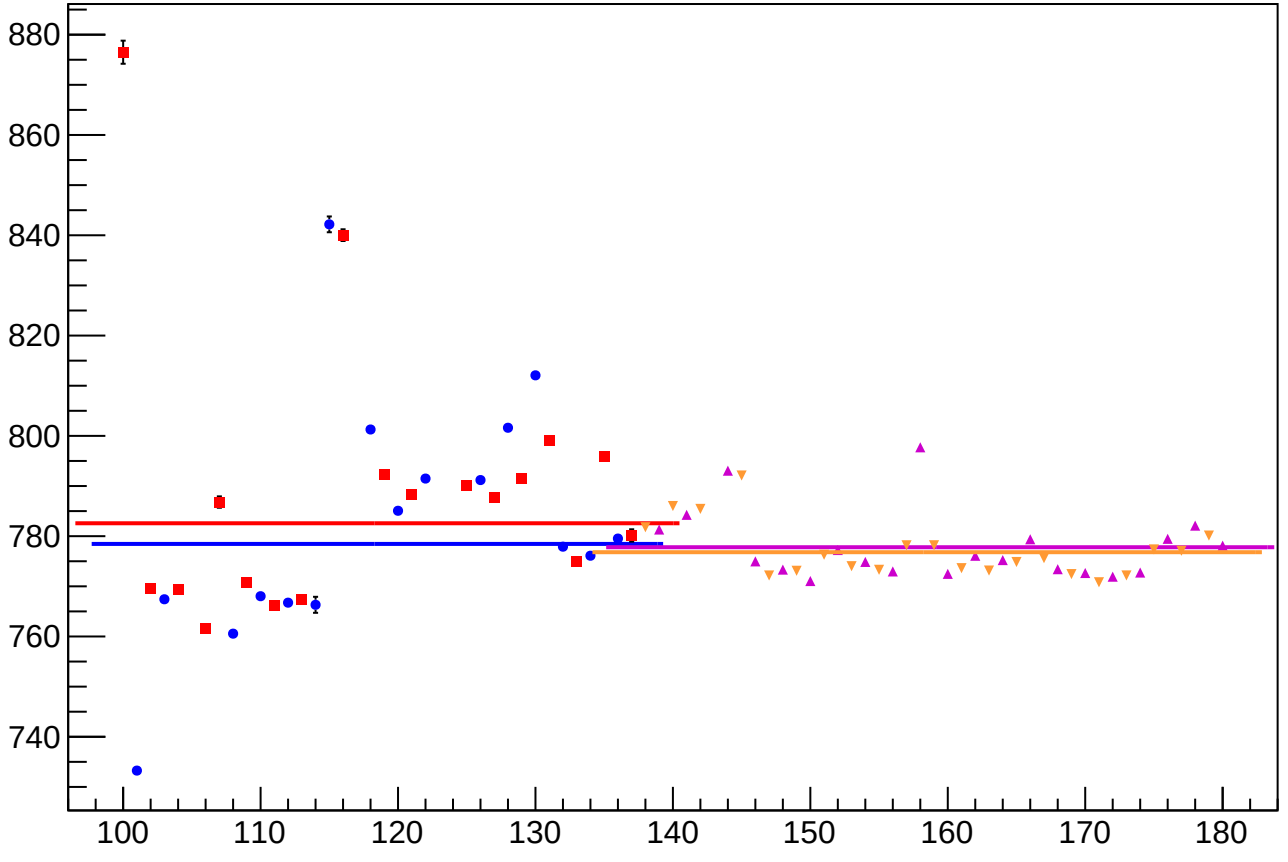
Left In: 212.996+/-187.248 χ^2/NDF:21.8/20

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

All: -79.603+/-111.712 χ^2/NDF: 62.0/75

- 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: 776.805+/-0.135 χ^2/NDF:1485.5/20

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

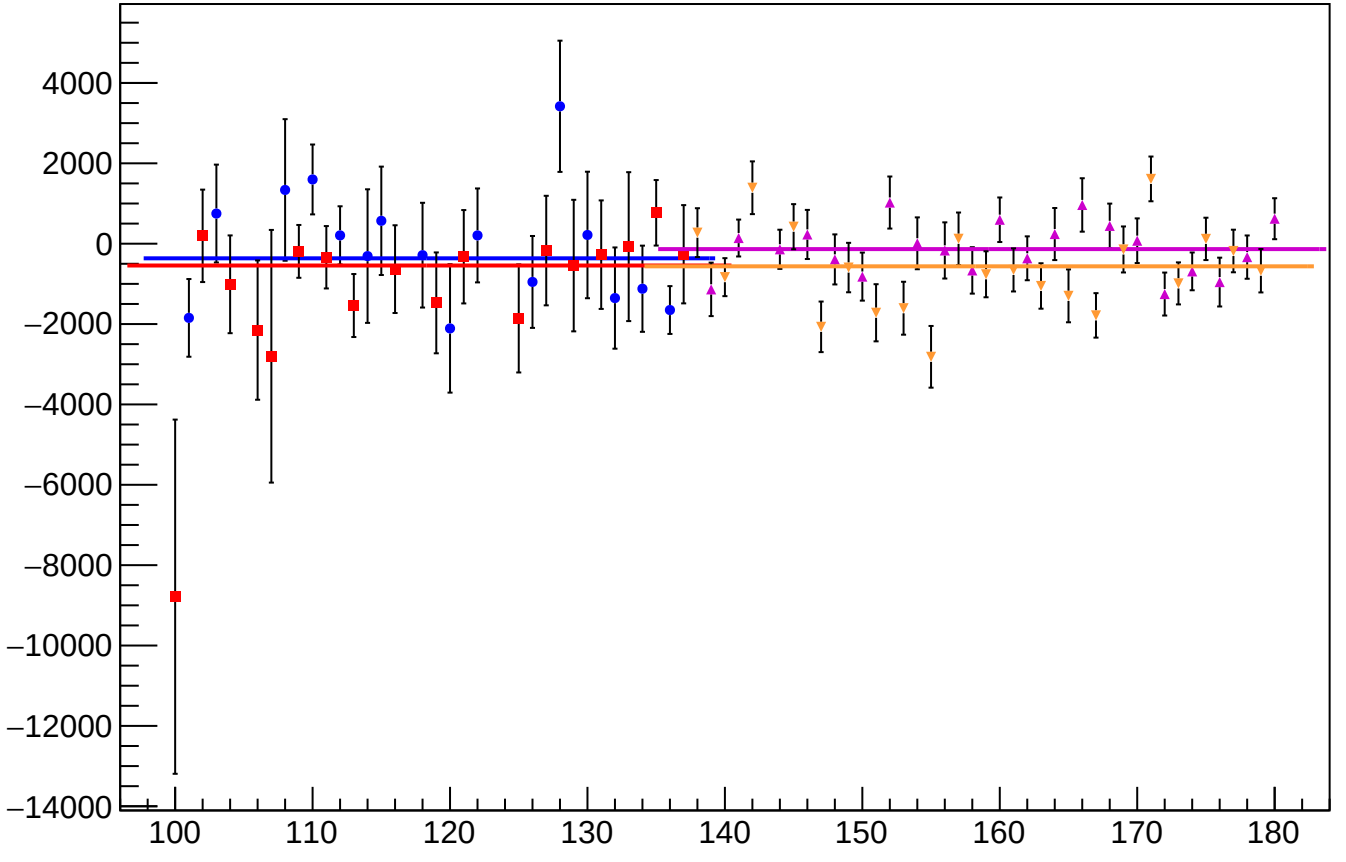
Left In: 777.797+/-0.132 χ^2/NDF:2683.3/20

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

All: 778.270+/-0.079 χ^2/NDF: 24023.4/75

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

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

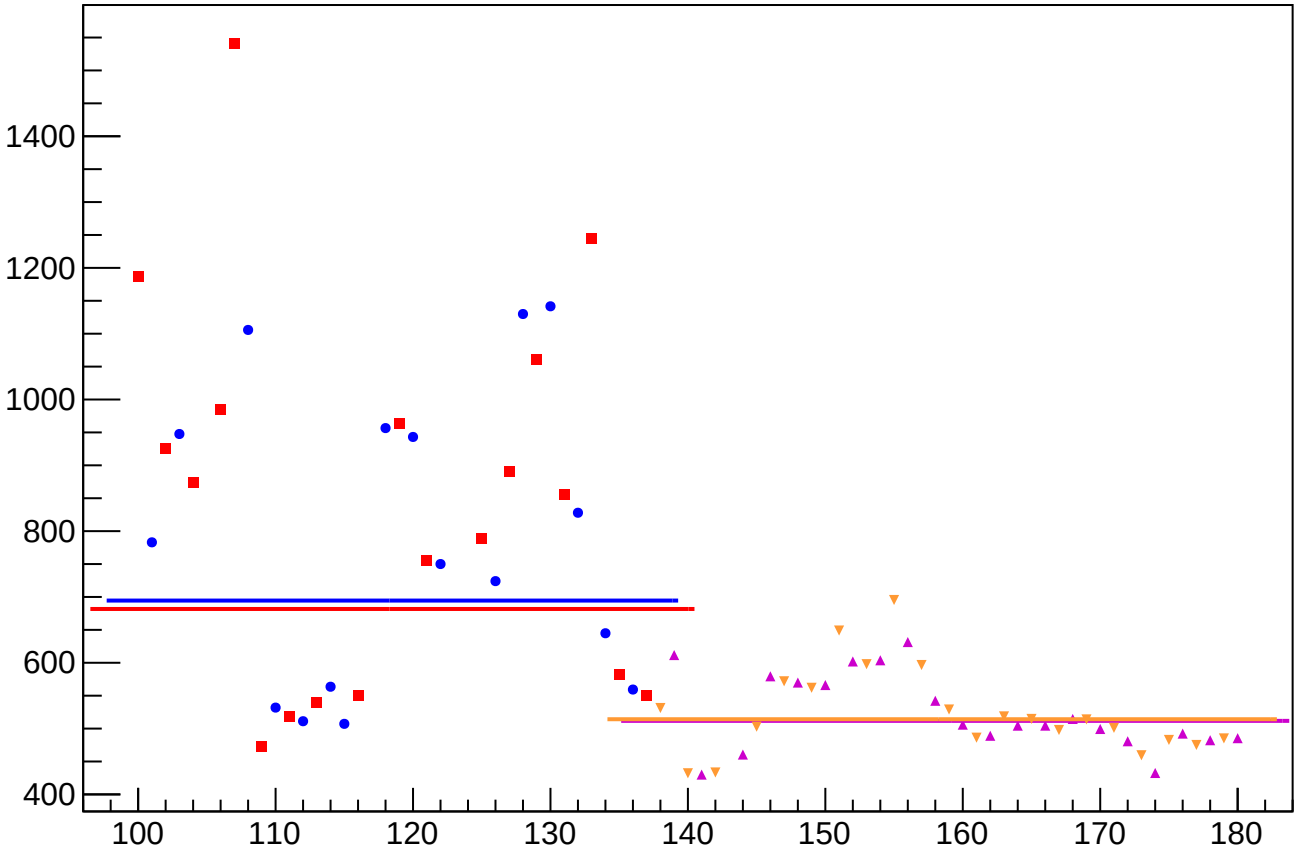
Left In: -134.691+/-124.169 χ^2/NDF:24.7/20

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

All: -364.044+/-80.381 χ^2/NDF: 126.6/75

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

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

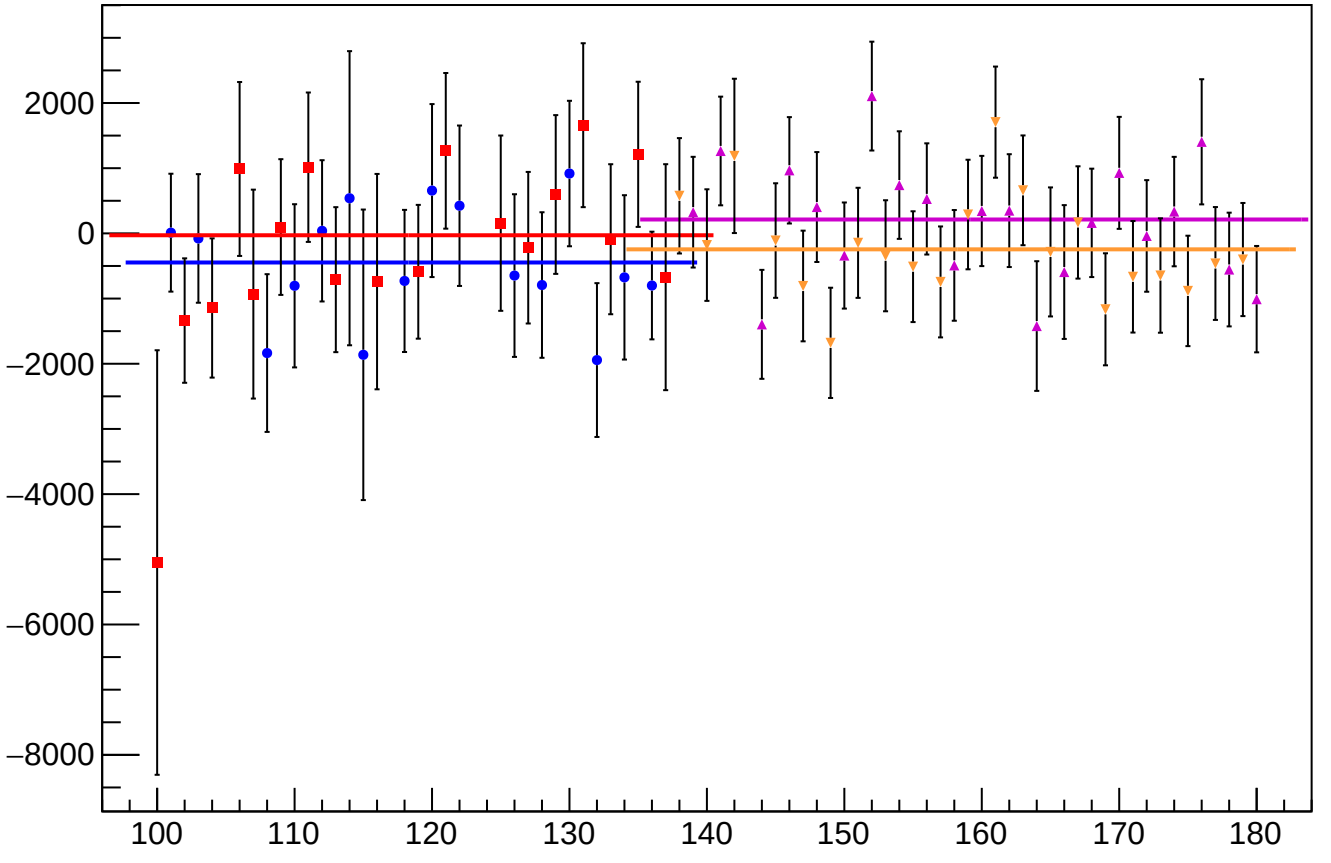
Left In: 511.734+/-0.088 χ^2/NDF:414743.7/20

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

All: 544.618+/-0.057 χ^2/NDF: 4589464.3/75

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

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

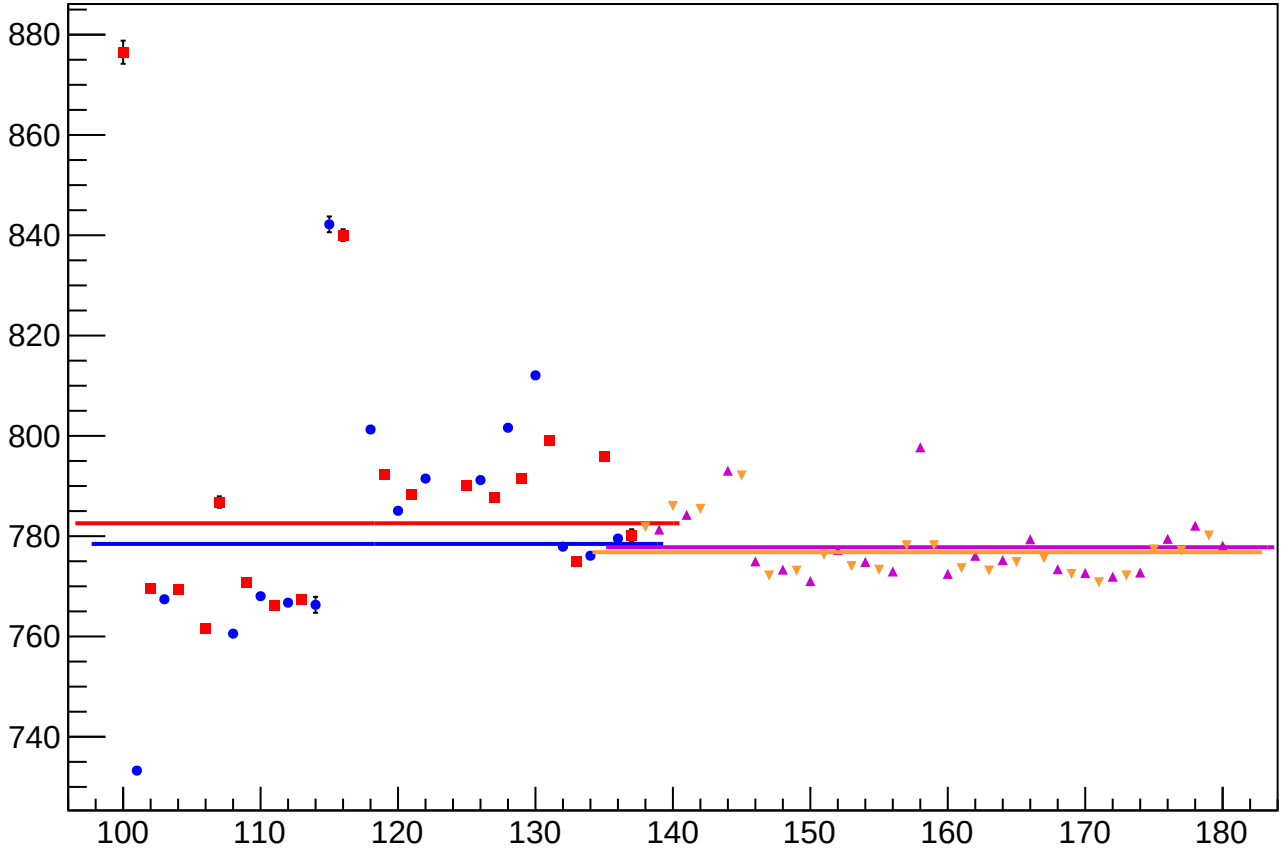
Left In: 212.995+/-187.248 χ^2/NDF:21.8/20

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

All: -79.603+/-111.712 χ^2/NDF: 62.0/75

- 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: 776.805+/-0.135 χ^2/NDF:1485.5/20

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

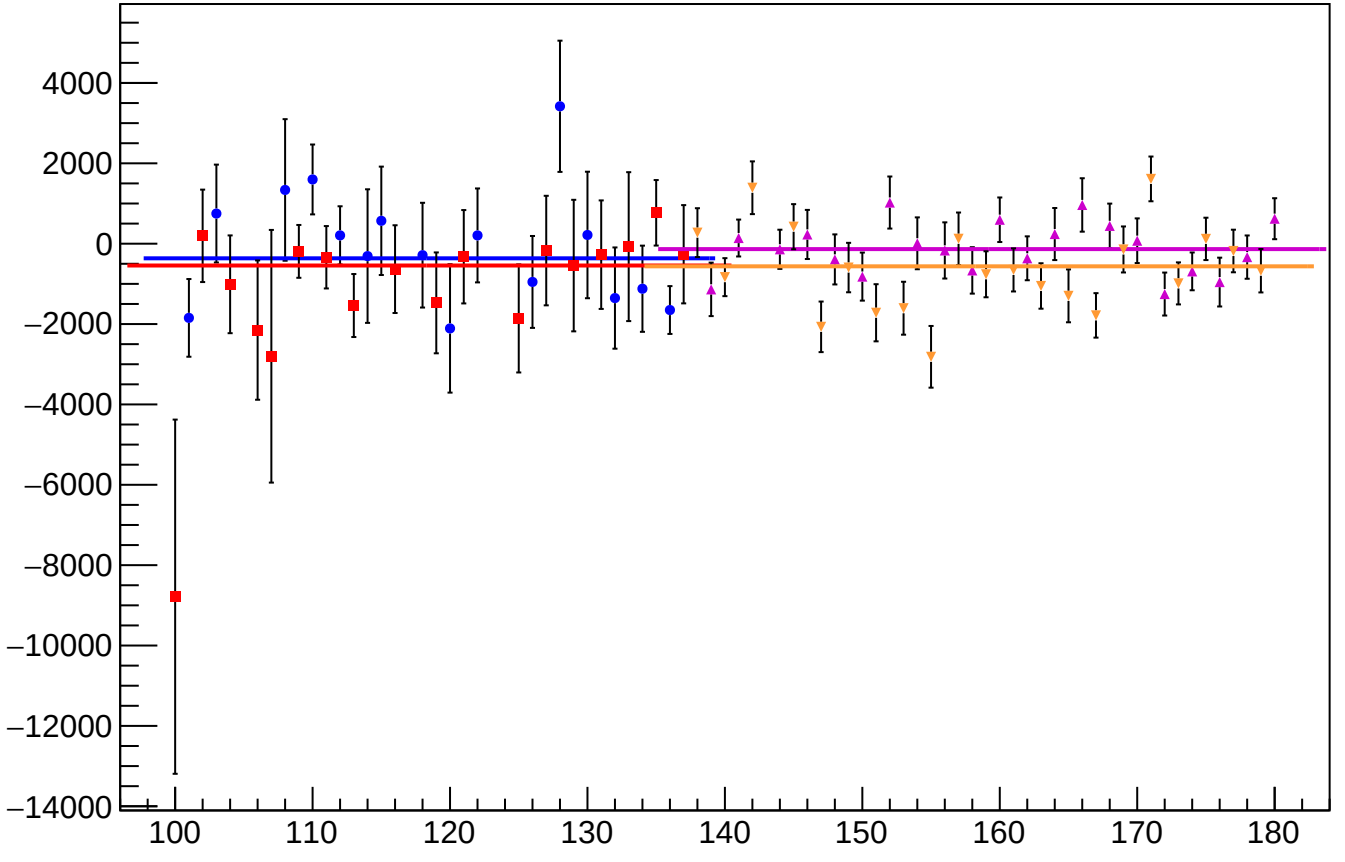
Left In: 777.797+/-0.132 χ^2/NDF:2683.3/20

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

All: 778.270+/-0.079 χ^2/NDF: 24023.3/75

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

asym_us_dd_eigen_dit_correction_mean vs Slug



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

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

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

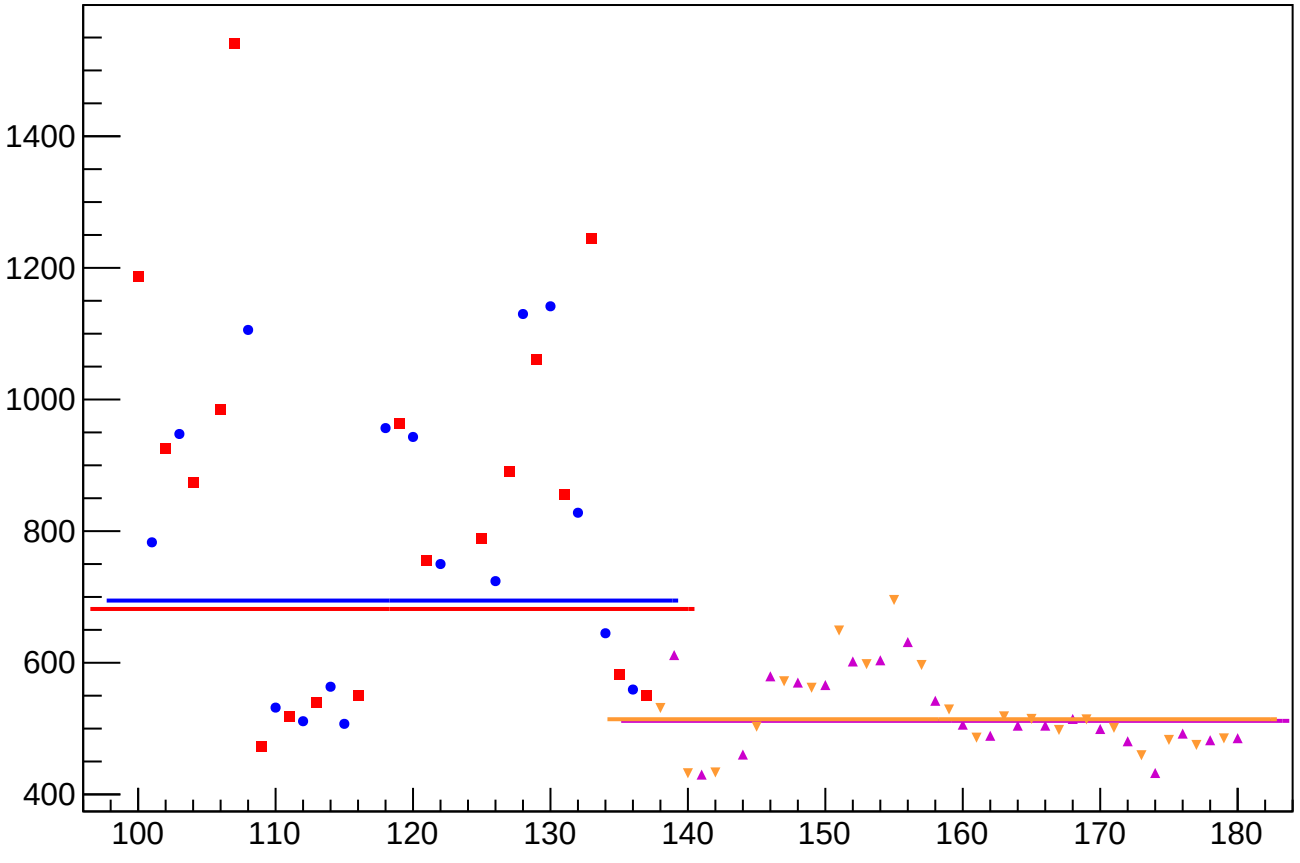
Left In: -134.690+/-124.169 χ^2/NDF:24.7/20

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

All: -364.043+/-80.381 χ^2/NDF: 126.6/75

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

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

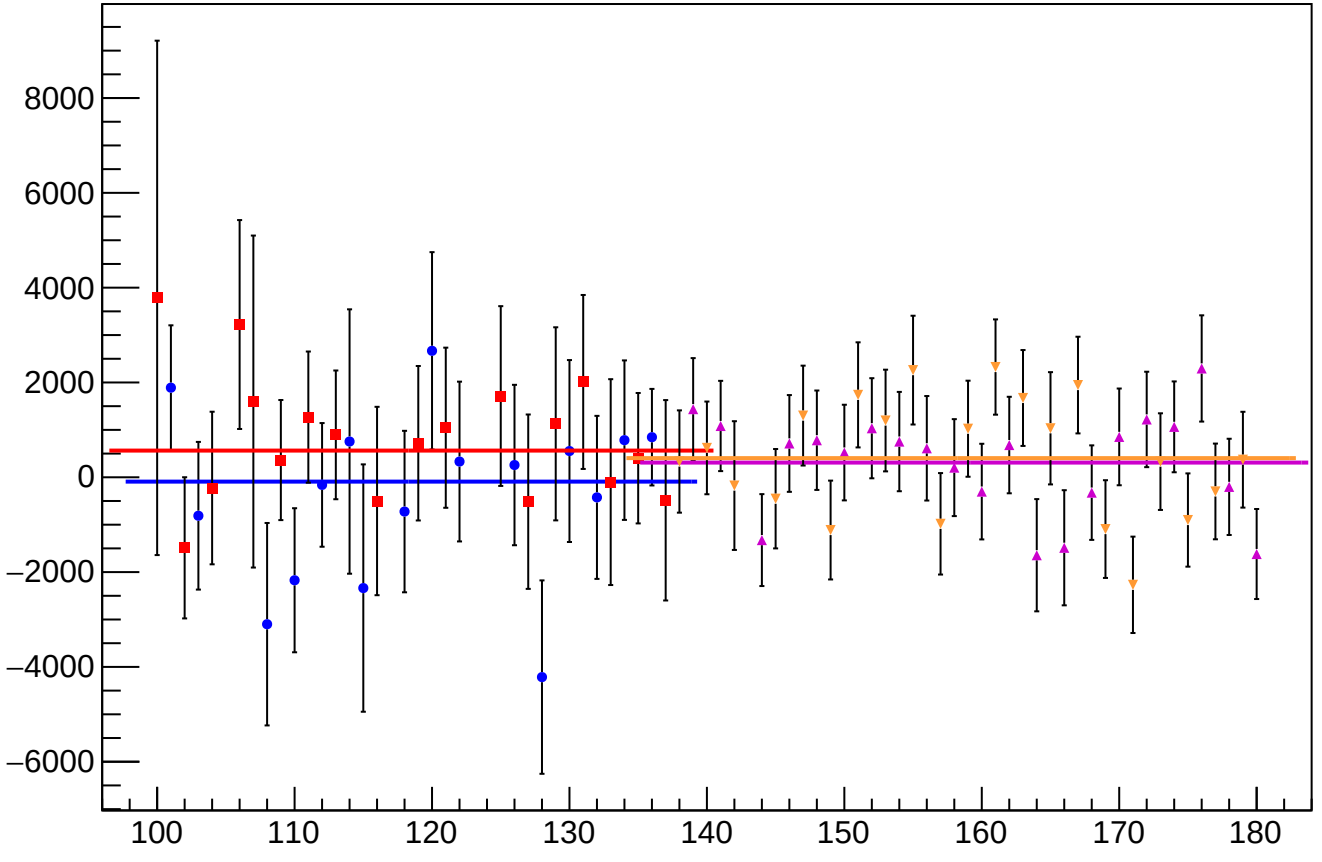
Left In: 511.734+/-0.088 χ^2/NDF:414757.0/20

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

All: 544.618+/-0.057 χ^2/NDF: 4589475.4/75

- 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: 404.179+/-229.553 χ^2/NDF:29.5/20

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

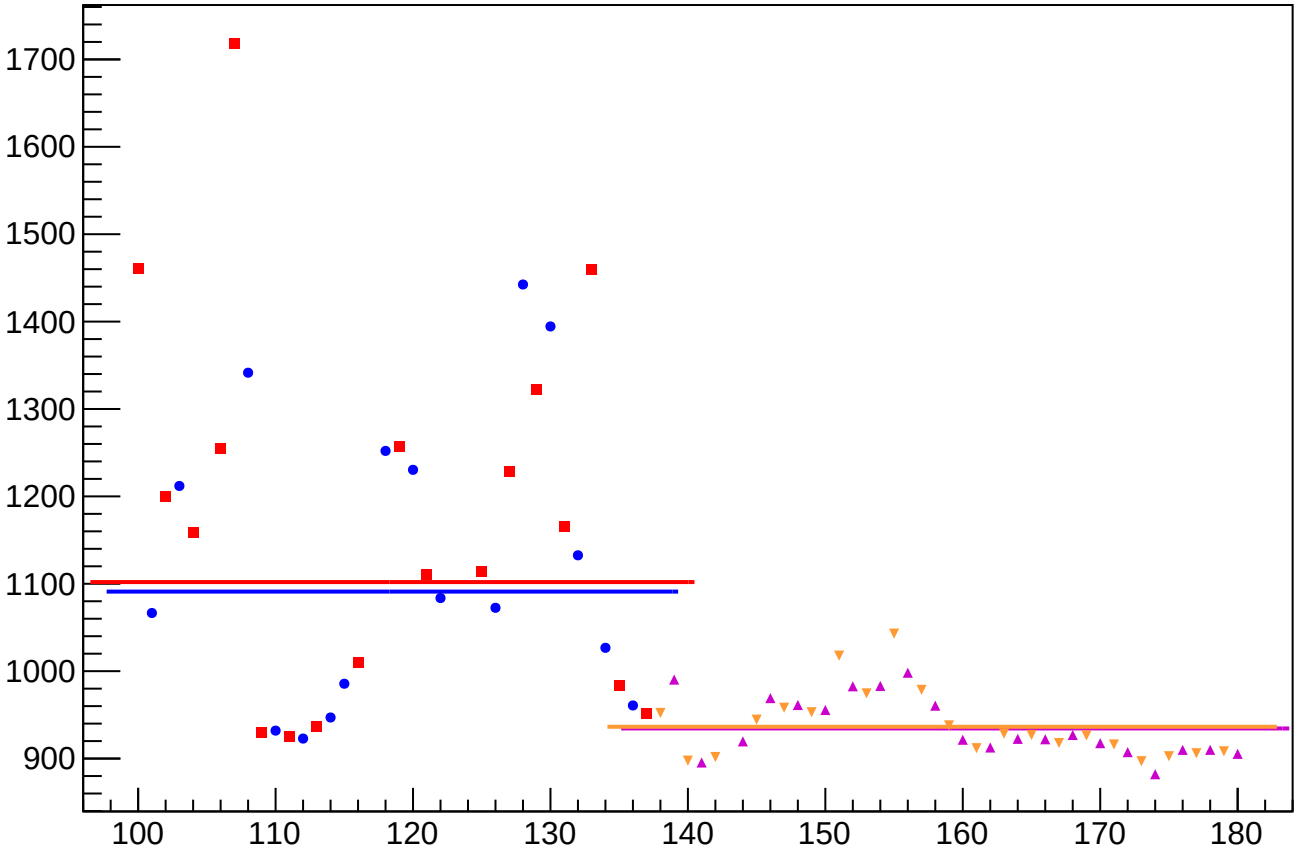
Left In: 310.097+/-225.135 χ^2/NDF:20.8/20

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

All: 327.736+/-140.635 χ^2/NDF: 72.8/75

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

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

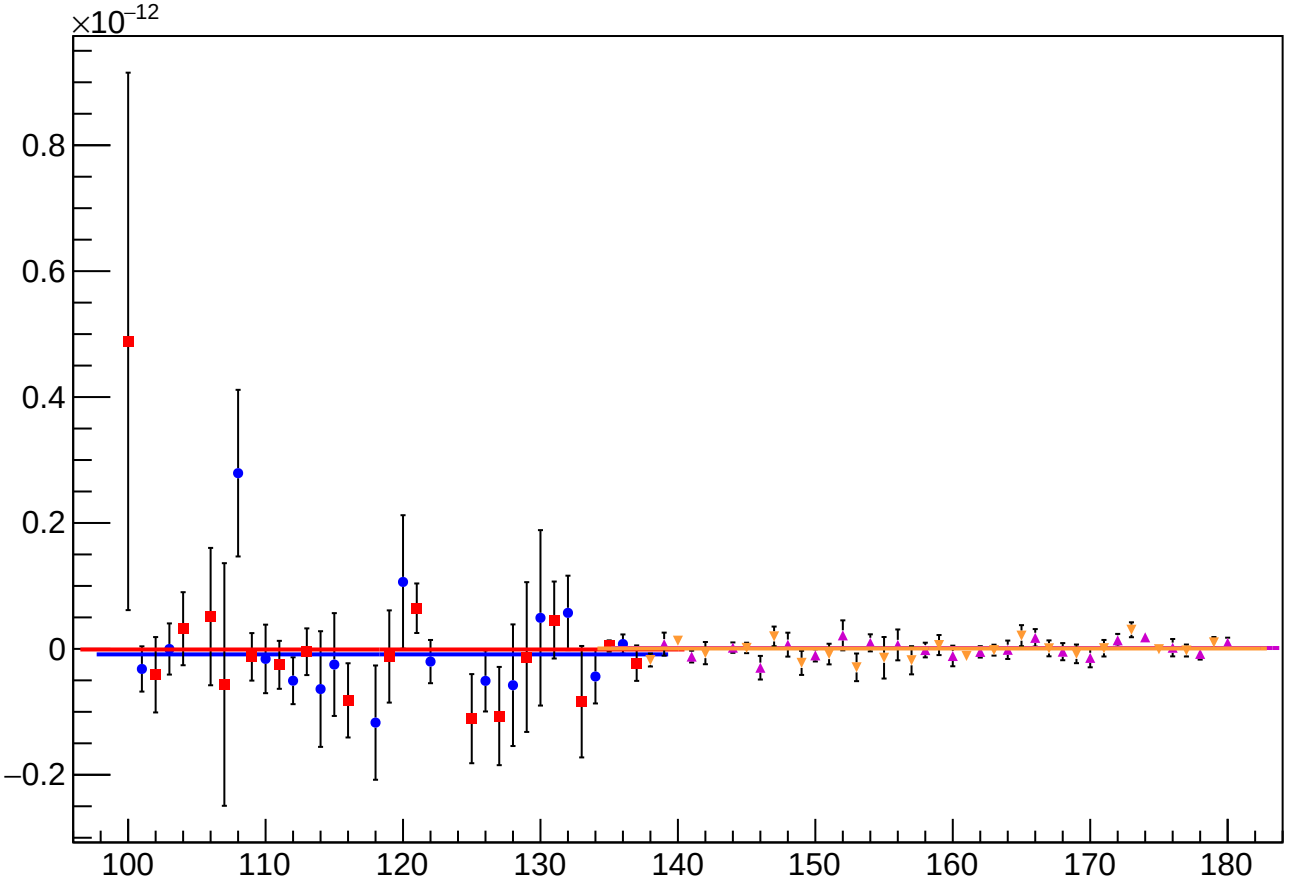
Left In: 934.432+/-0.159 χ^2/NDF:43915.2/20

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

All: 973.154+/-0.099 χ^2/NDF: 1172890.6/75

- 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:24.1/20

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

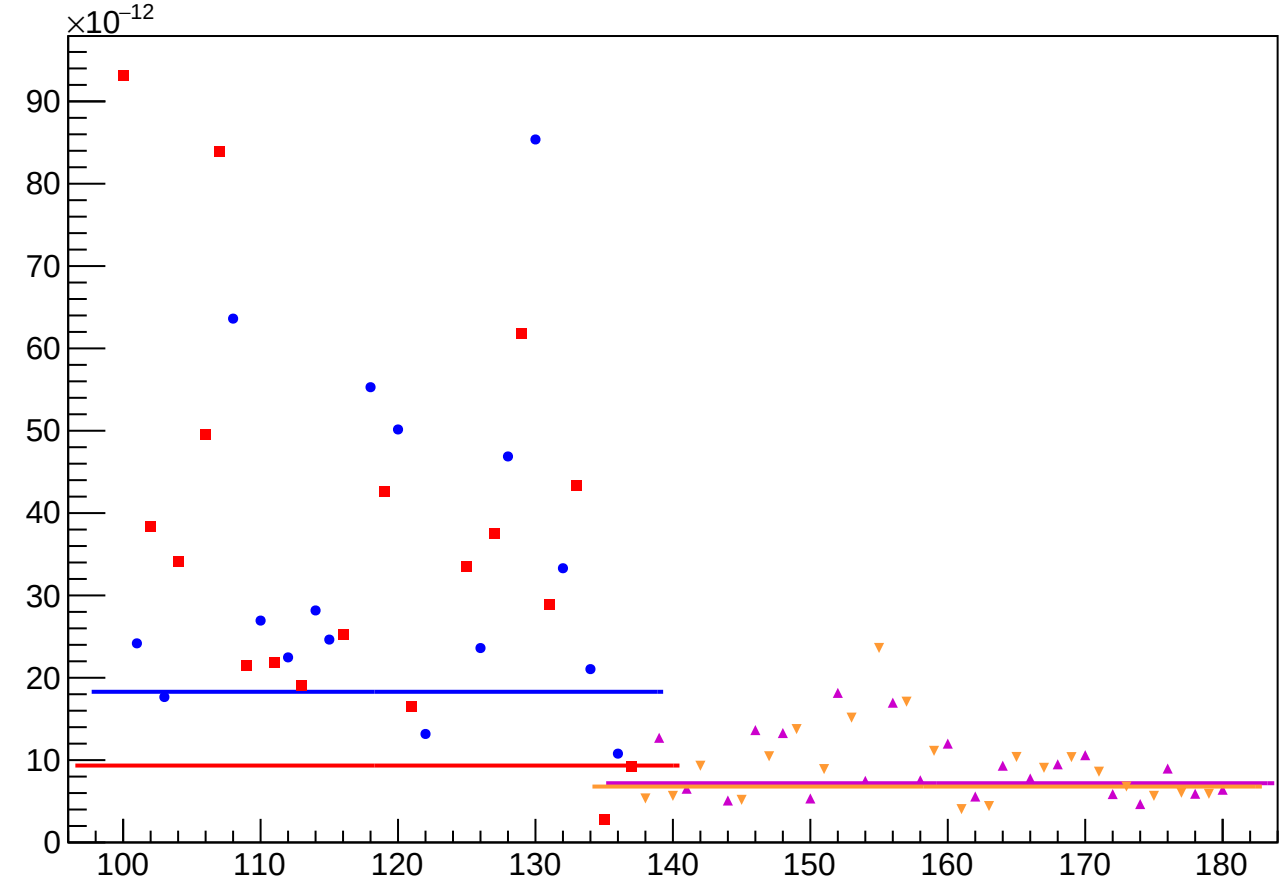
Left In: 0.000+/-0.000 χ^2/NDF:19.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 38.7/36

All: 0.000+/-0.000 χ^2/NDF: 72.9/75

- sign 0.000+/-0.000 χ^2/NDF: 34.1/38

asym_us_dd_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:2789654.8/20

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

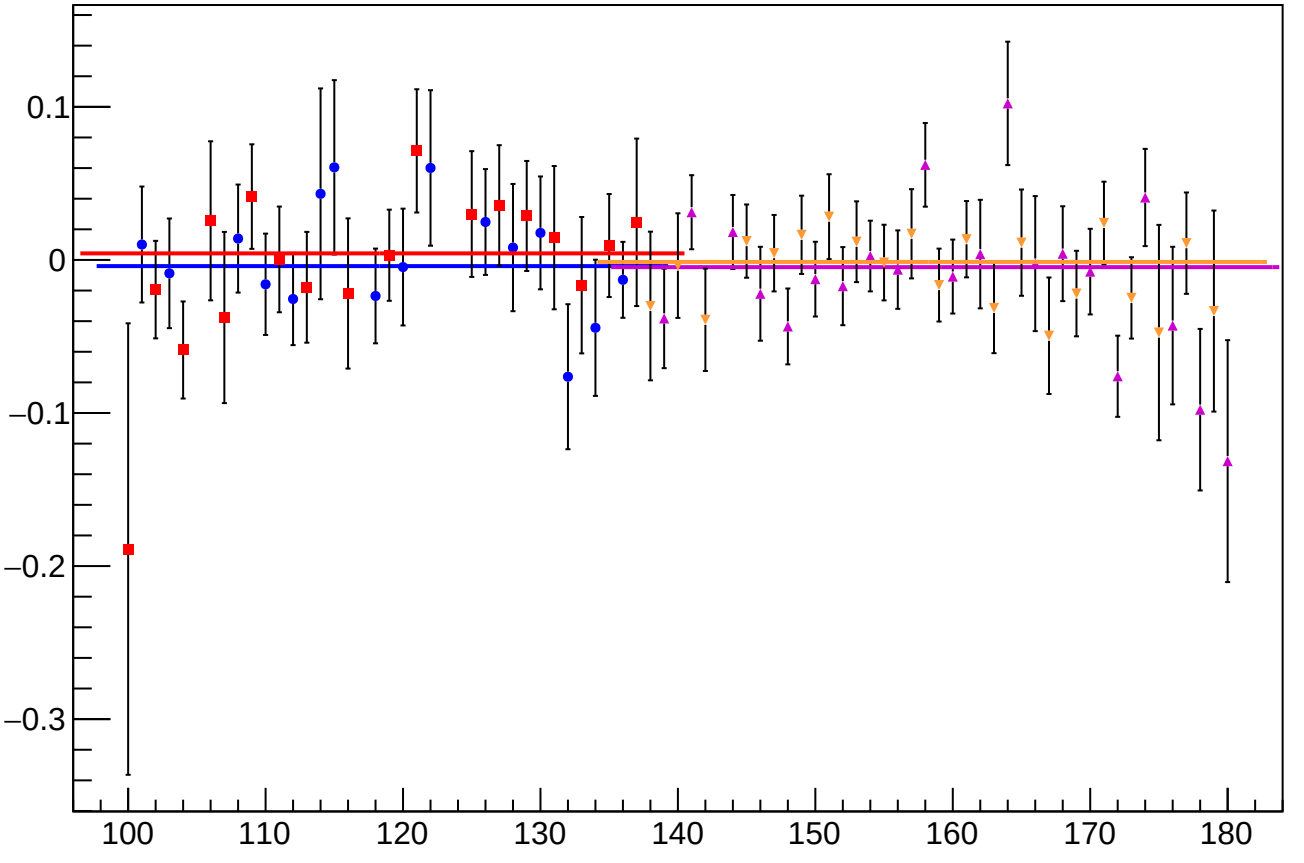
Left In: 0.000+/-0.000 χ^2/NDF:2361114.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 7420641.2/36

All: 0.000+/-0.000 χ^2/NDF: 15076951.3/75

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

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

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

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

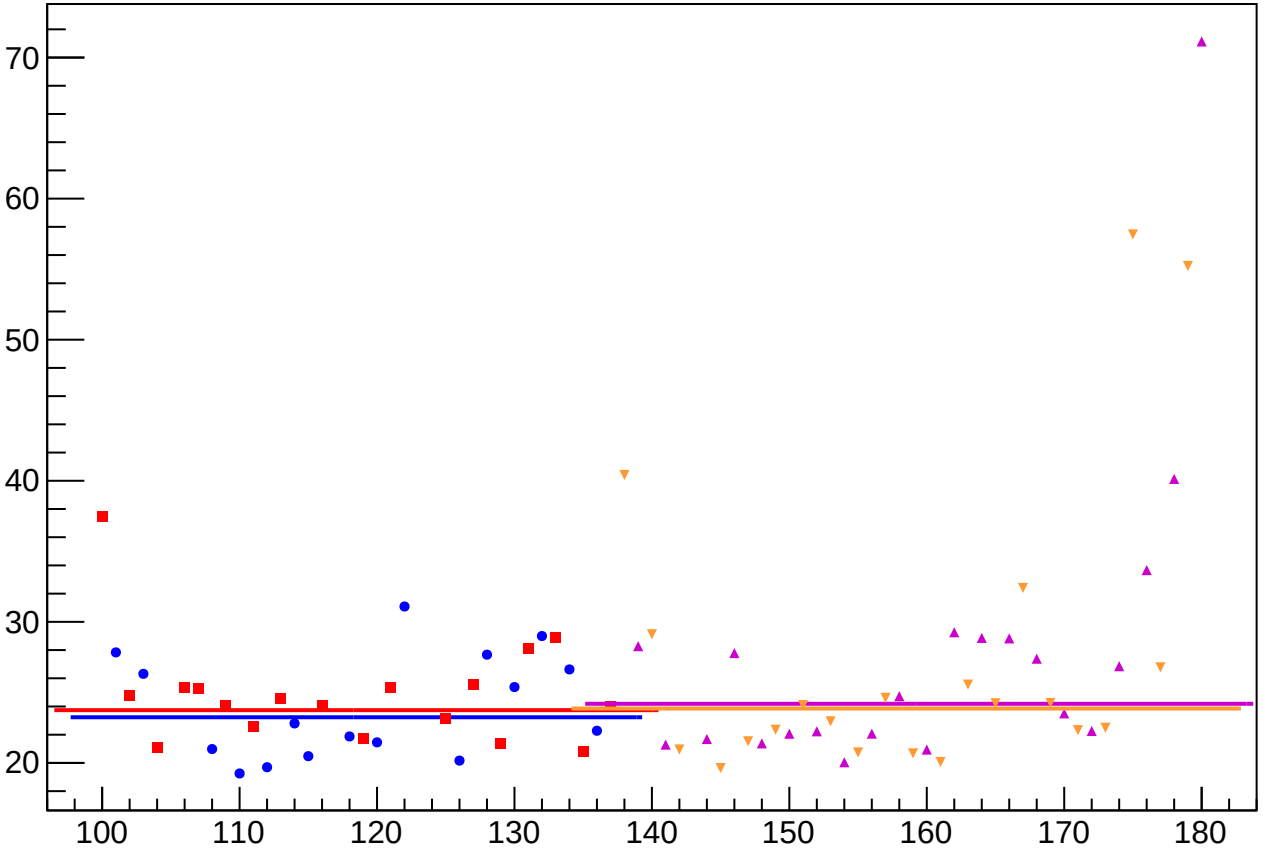
Left In: -0.005+/-0.006 χ^2/NDF:36.1/20

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

All: -0.002+/-0.004 χ^2/NDF: 70.3/75

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

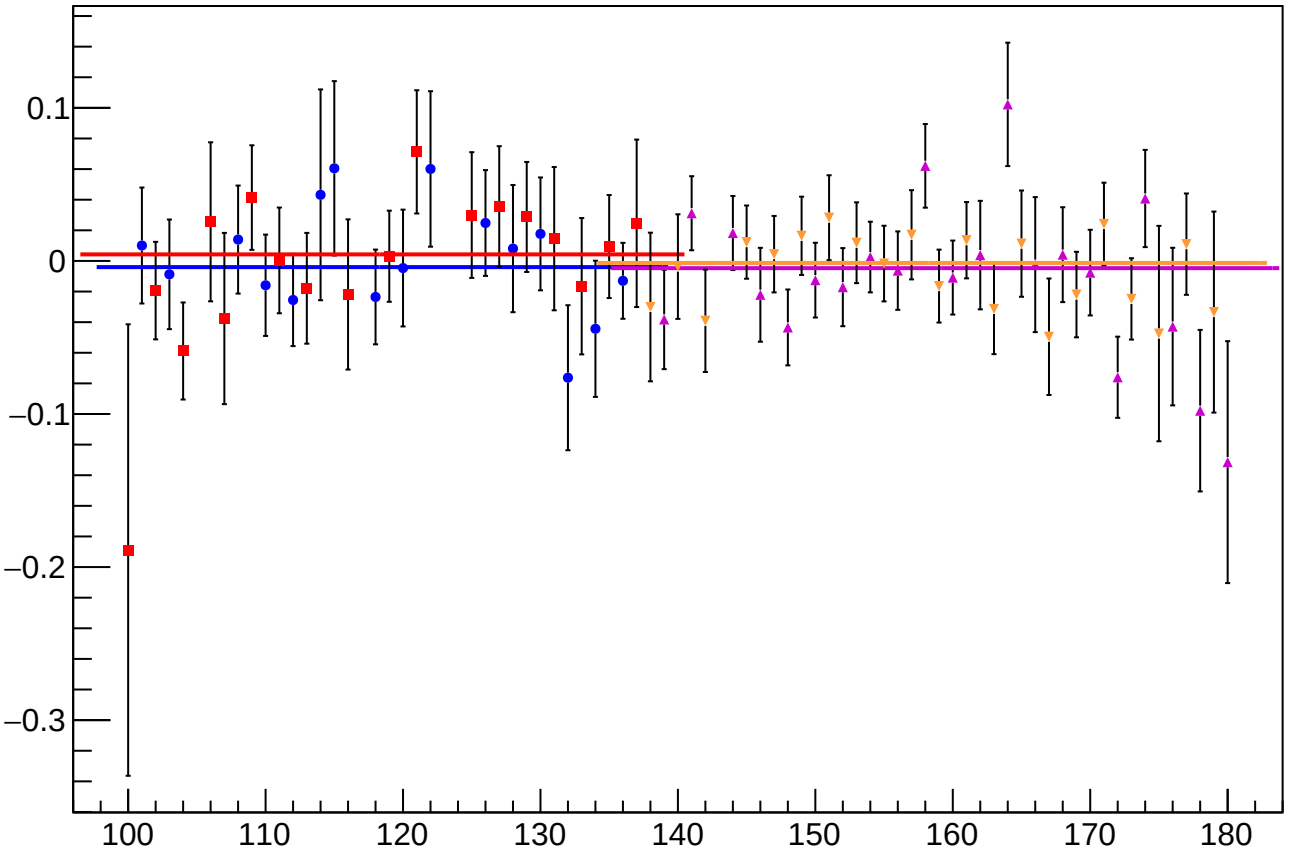
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

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

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

All: 23.851+/-0.003 χ^2/NDF: 3316505.6/75

\- 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:10.8/20

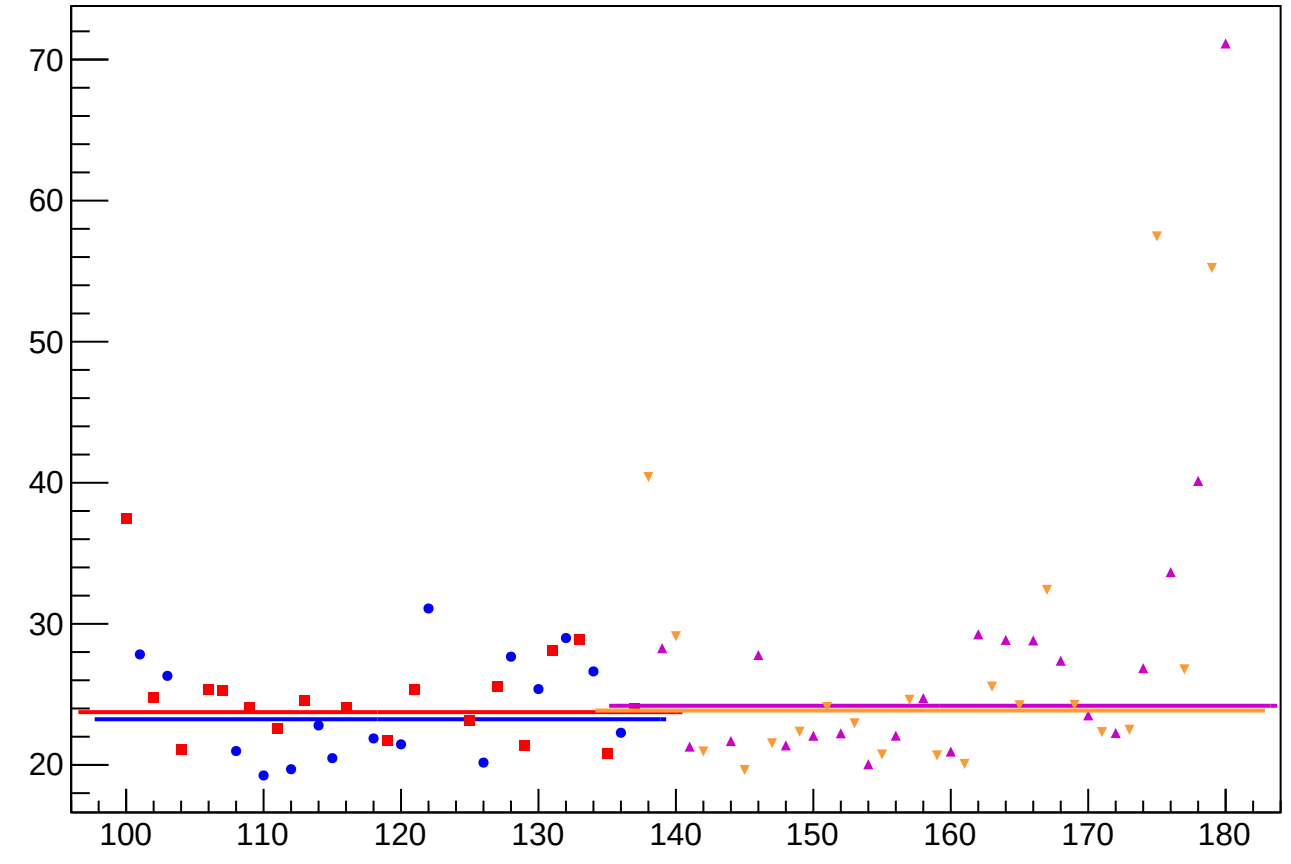
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

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

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

All: -0.002+/-0.004 χ^2/NDF: 70.3/75

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



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

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

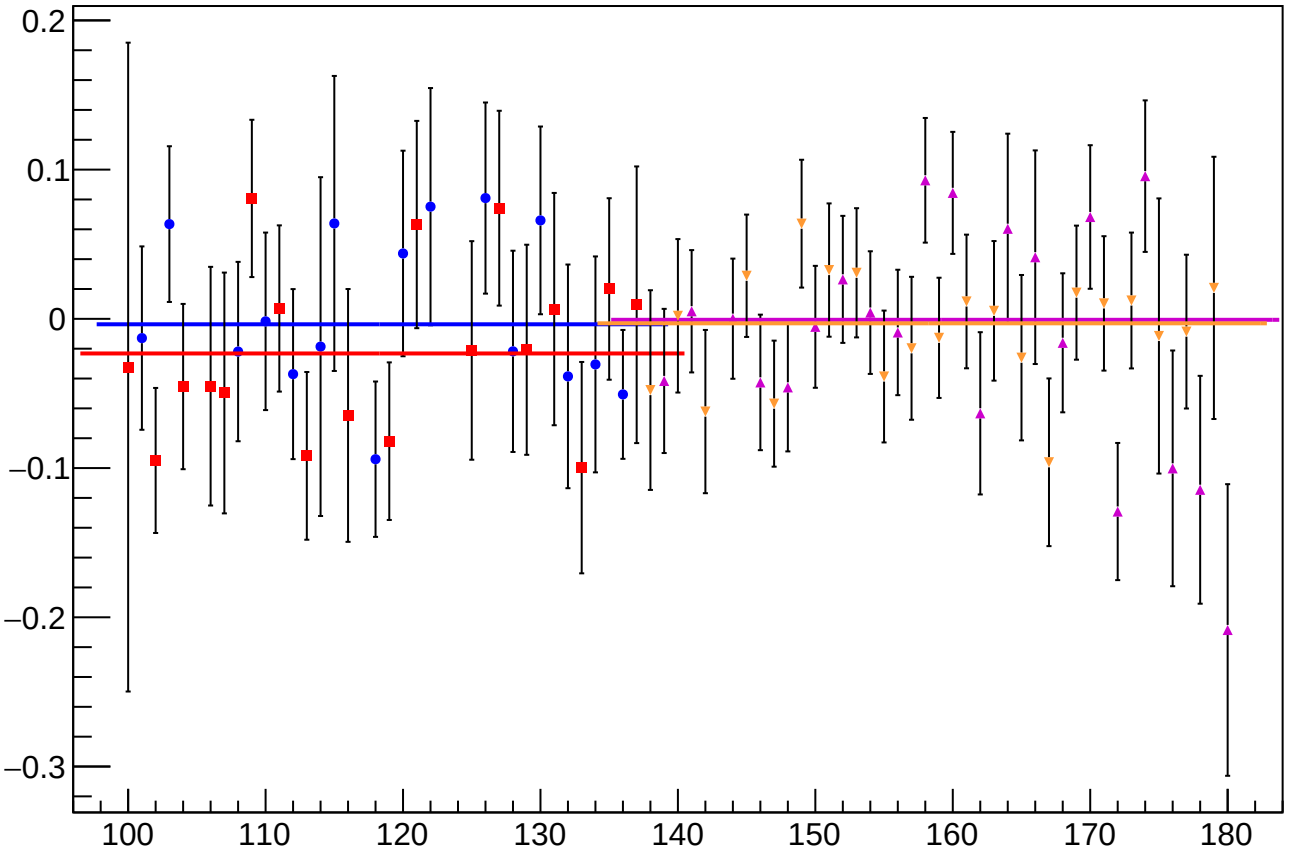
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

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

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

All: 23.851+/-0.003 χ^2/NDF: 3316505.6/75

- 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:11.9/20

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

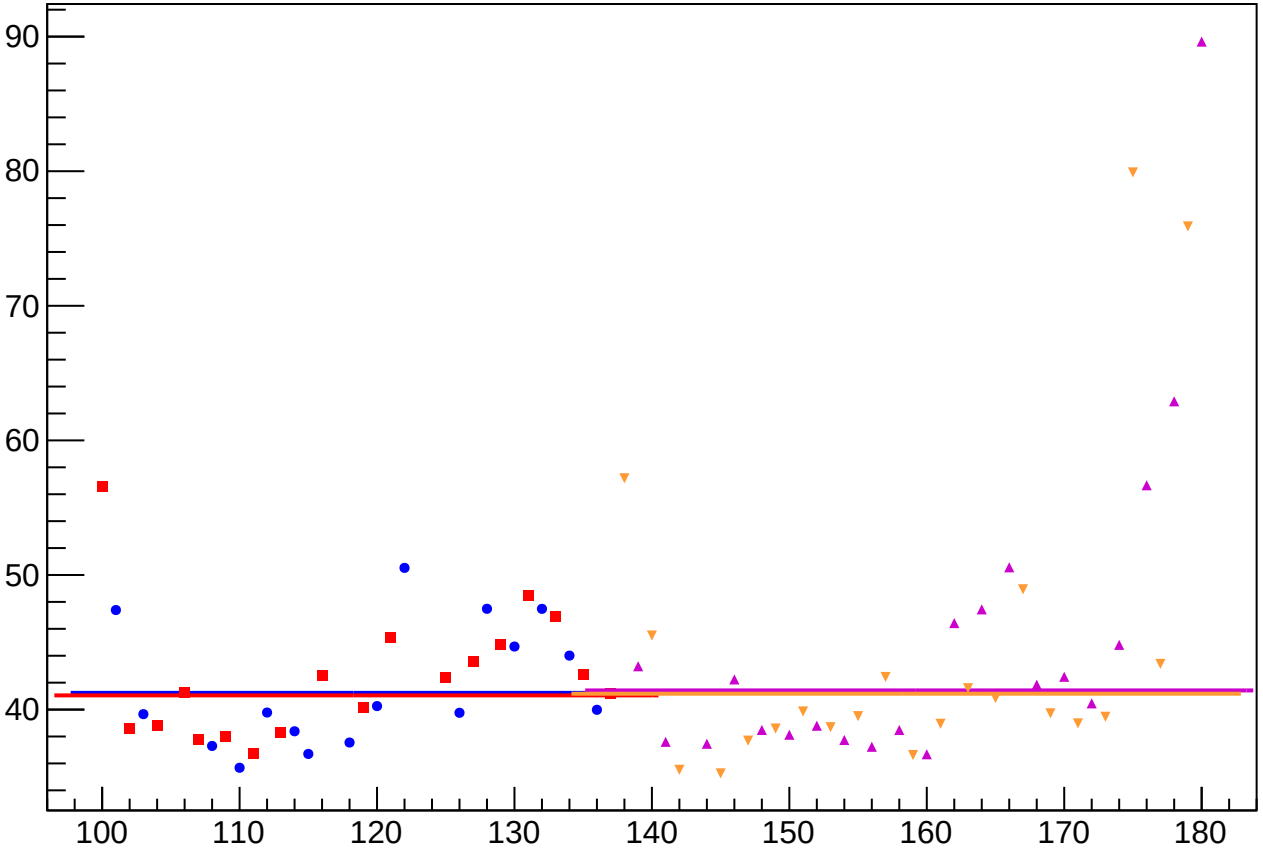
Left In: -0.001+/-0.010 χ^2/NDF:37.0/20

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

All: -0.005+/-0.006 χ^2/NDF: 77.6/75

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

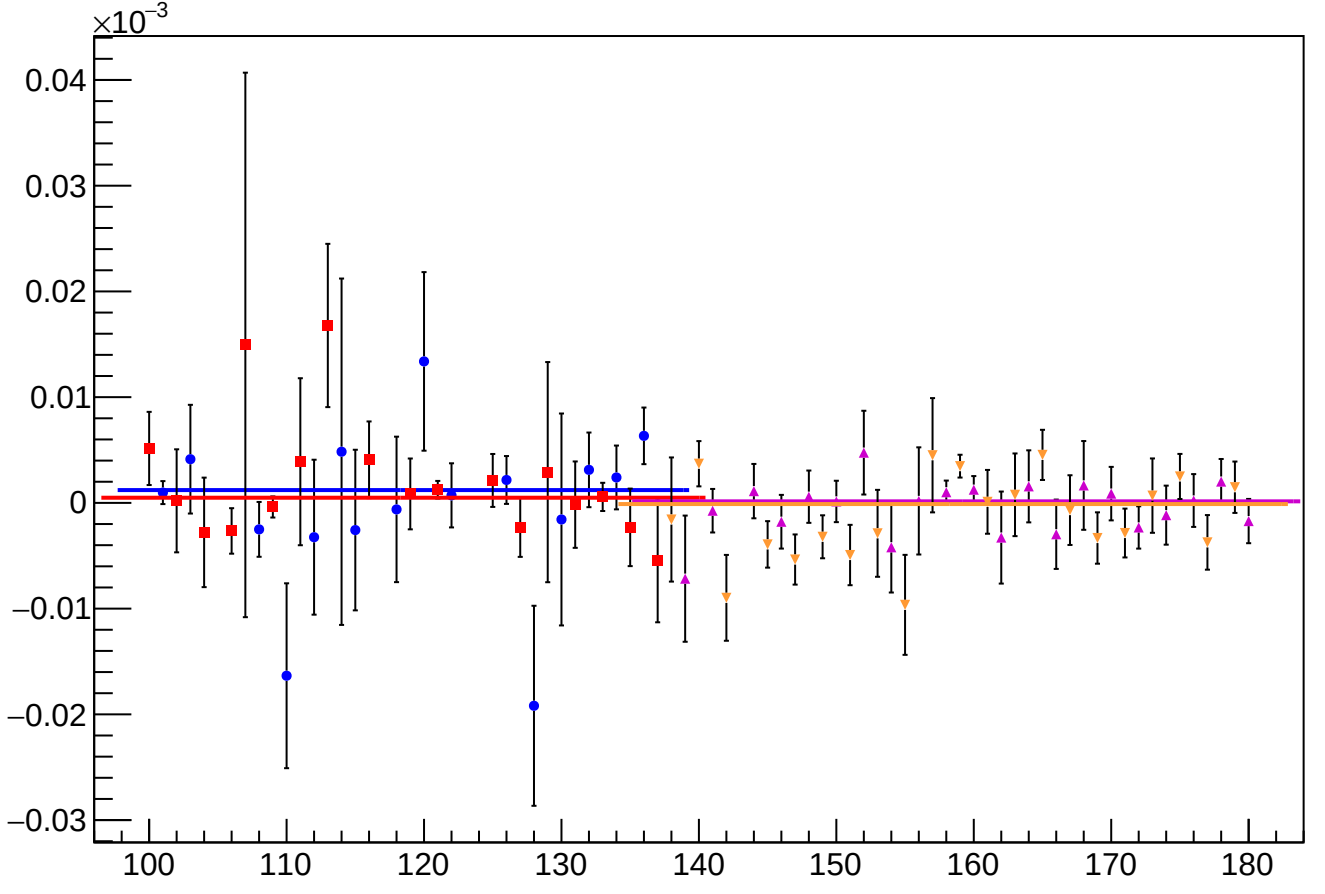
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

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

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

All: 41.254+/-0.004 χ^2/NDF: 2146247.8/75

- 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:48.4/20

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

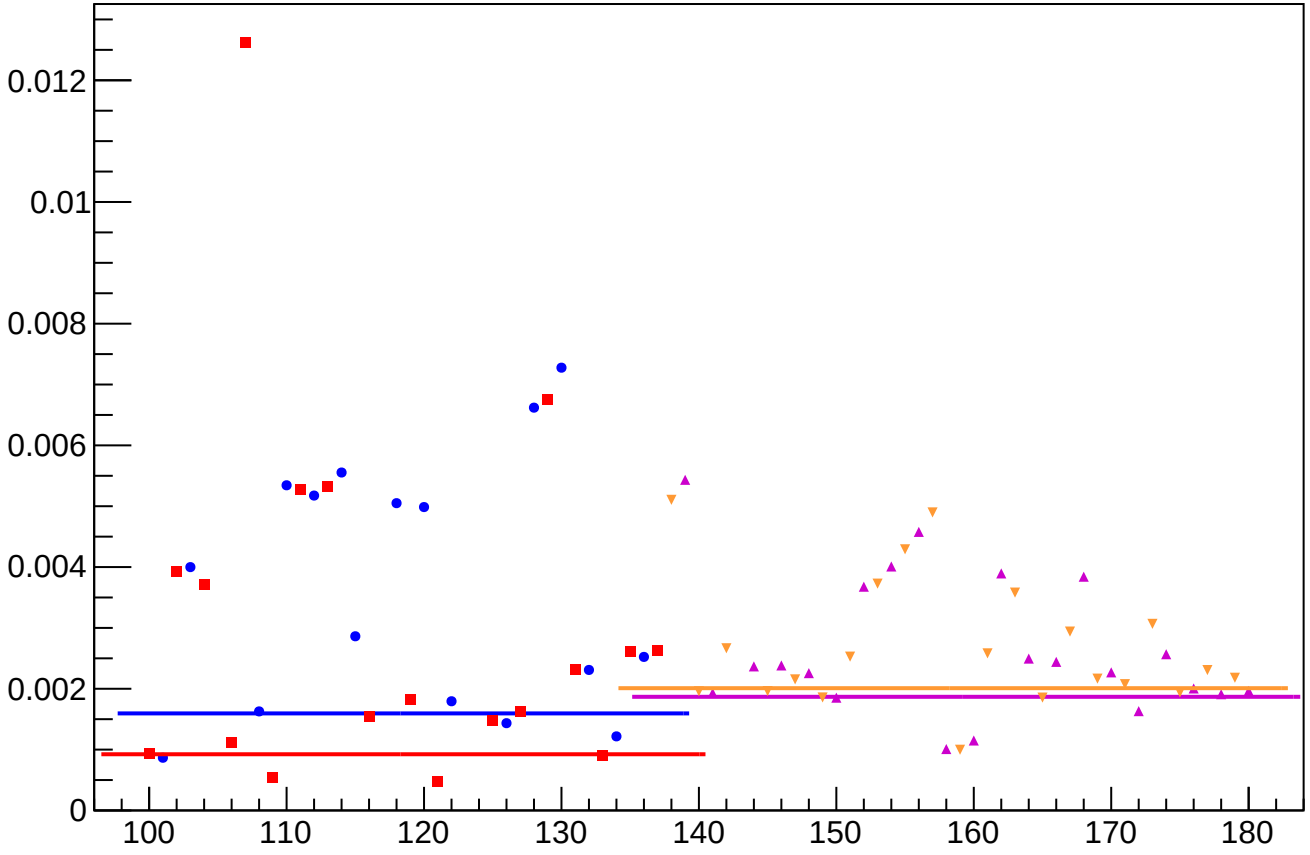
Left In: 0.000+/-0.000 χ^2/NDF:11.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 68.8/36

All: 0.000+/-0.000 χ^2/NDF: 95.4/75

- sign 0.000+/-0.000 χ^2/NDF: 26.6/38

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

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

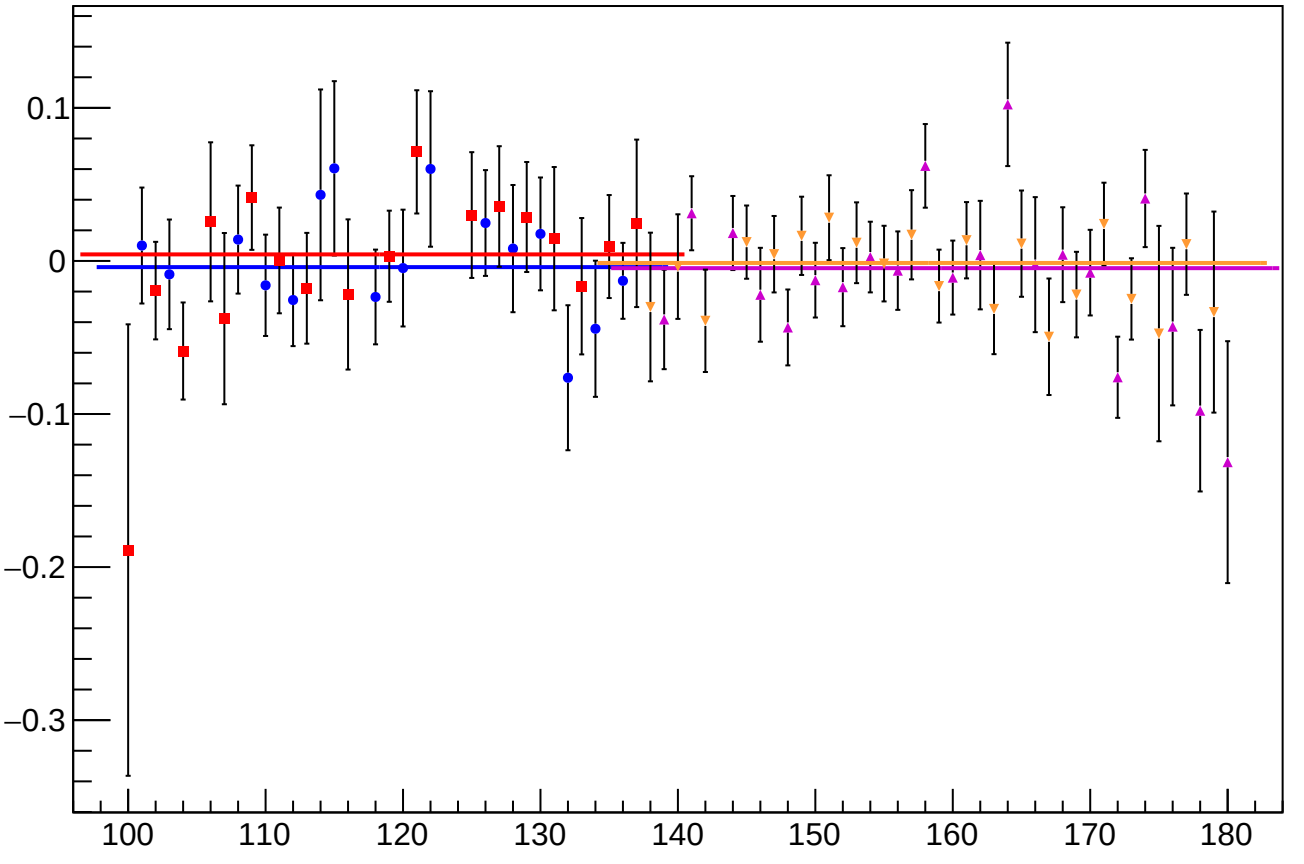
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:5474951.8/20

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

All: 0.002+/-0.000 χ^2/NDF: 26086796.3/75

- sign 0.001+/-0.000 χ^2/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:10.8/20

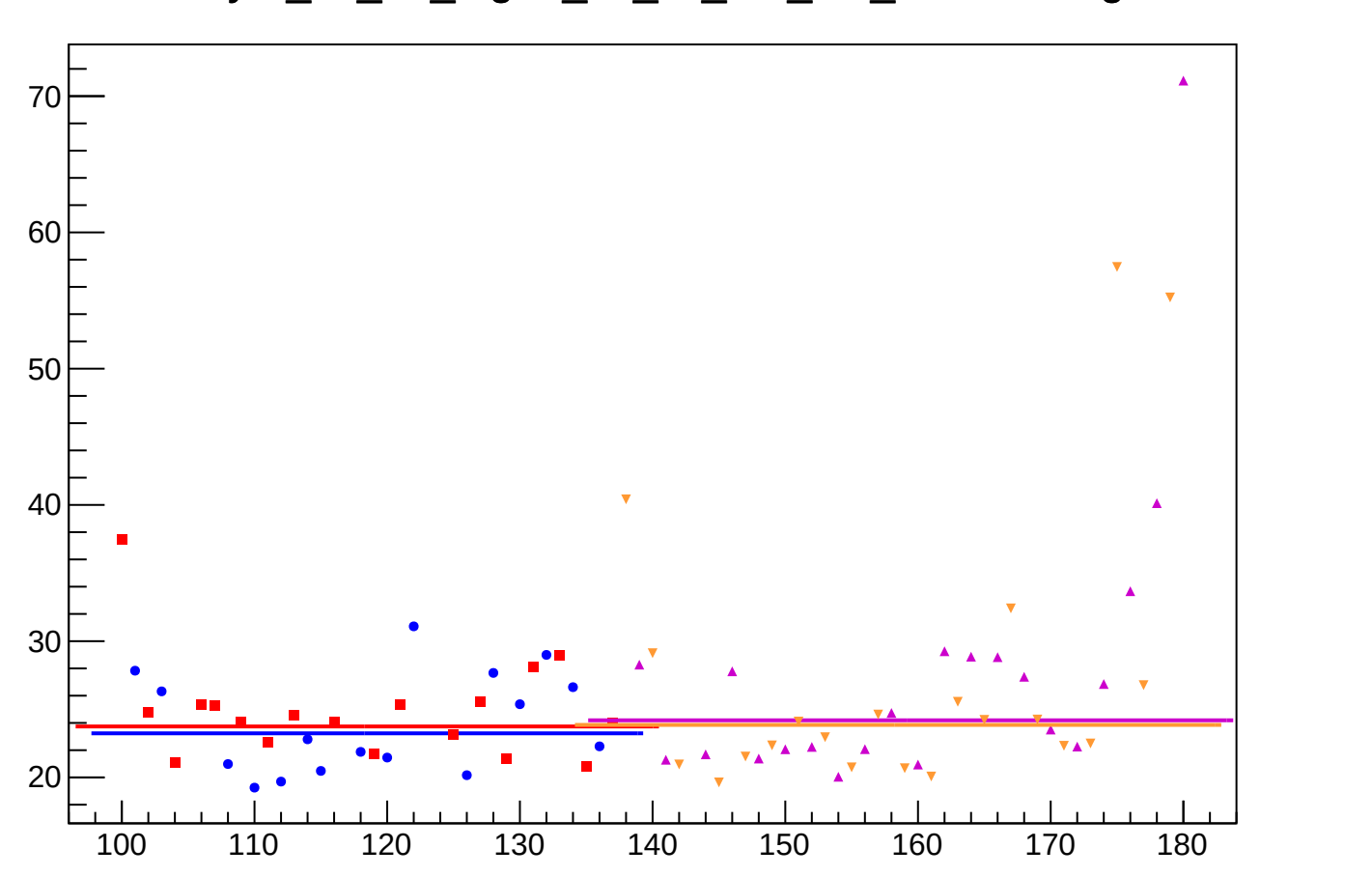
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

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

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

All: -0.002+/-0.004 χ^2/NDF: 70.4/75

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

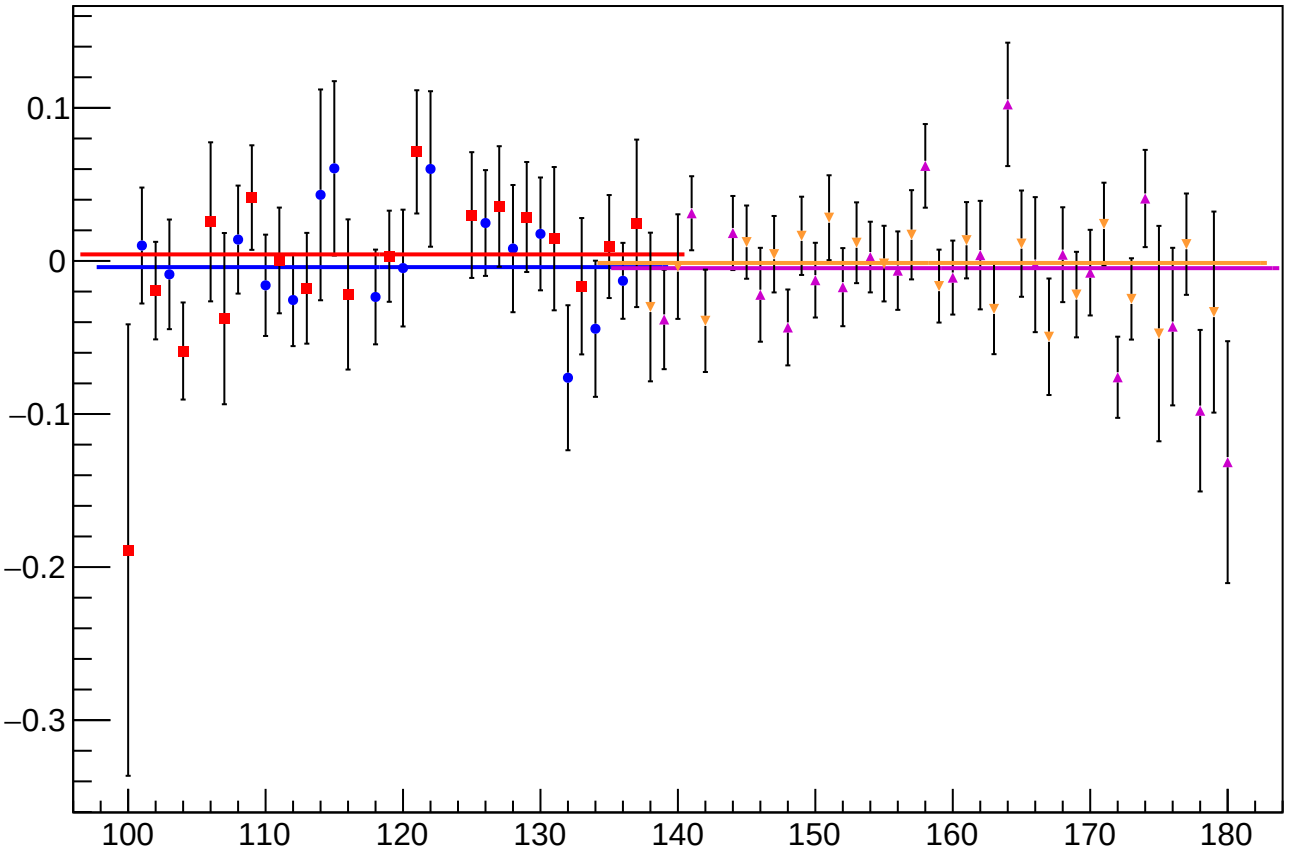
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

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

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

All: 23.851+/-0.003 χ^2/NDF: 3316371.3/75

- 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:10.8/20

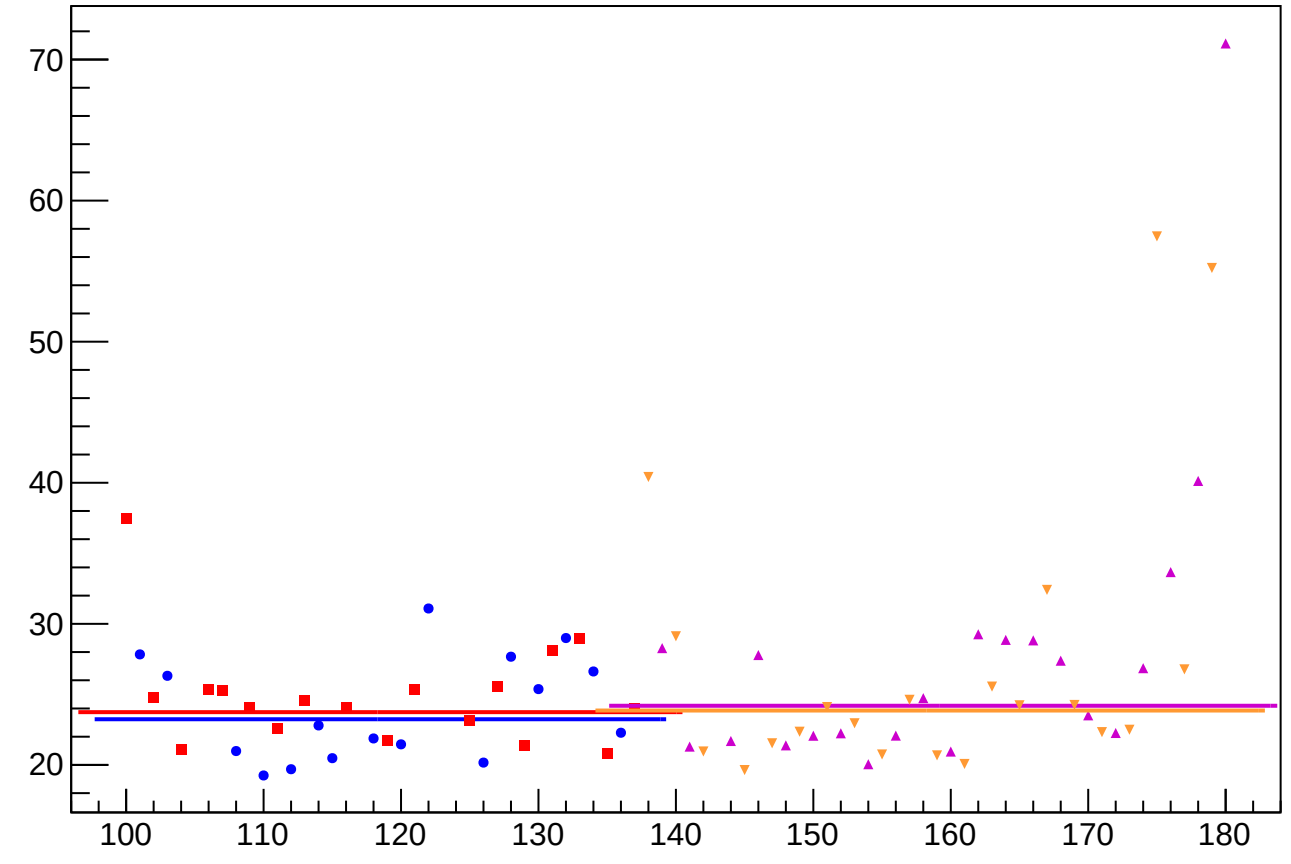
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

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

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

All: -0.002+/-0.004 χ^2/NDF: 70.4/75

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

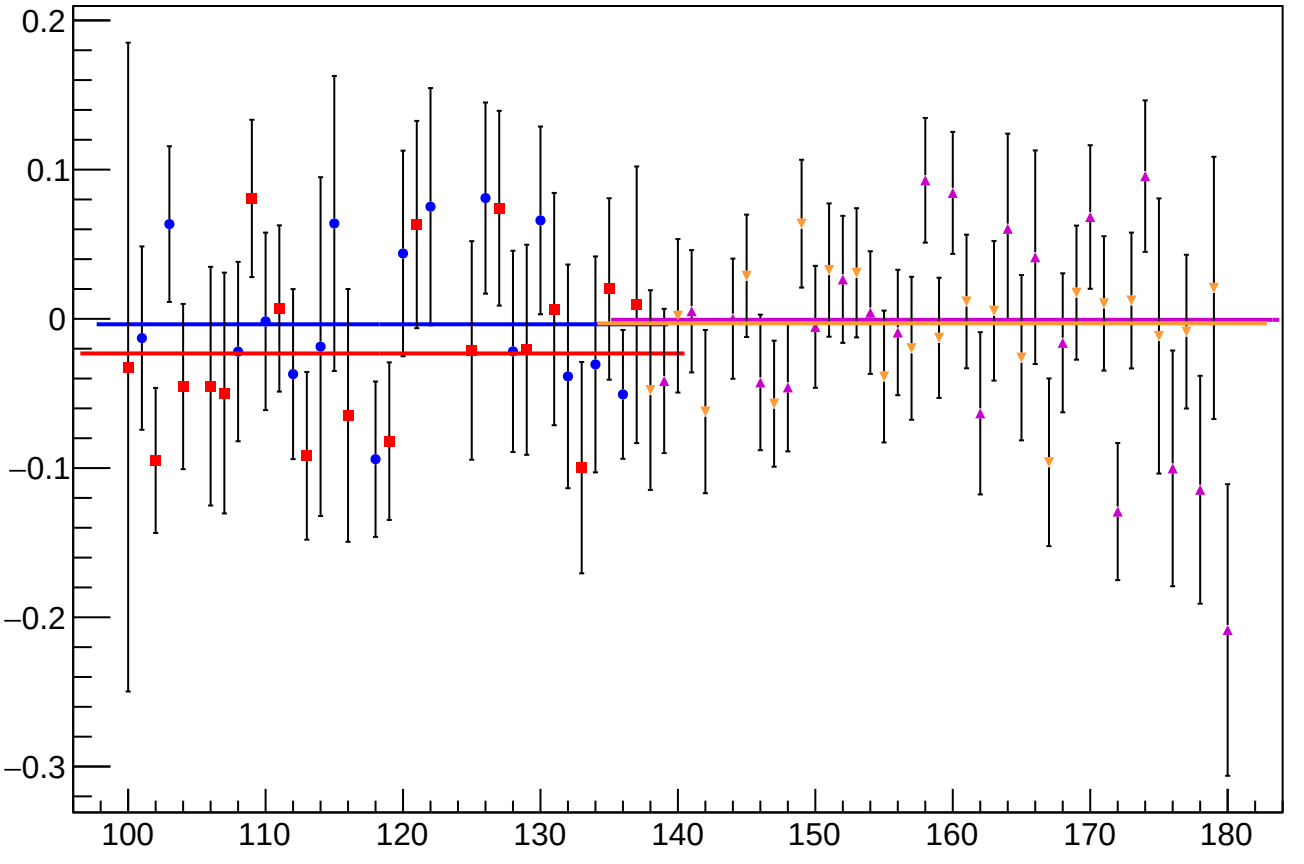
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

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

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

All: 23.851+/-0.003 χ^2/NDF: 3316371.3/75

- 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:11.9/20

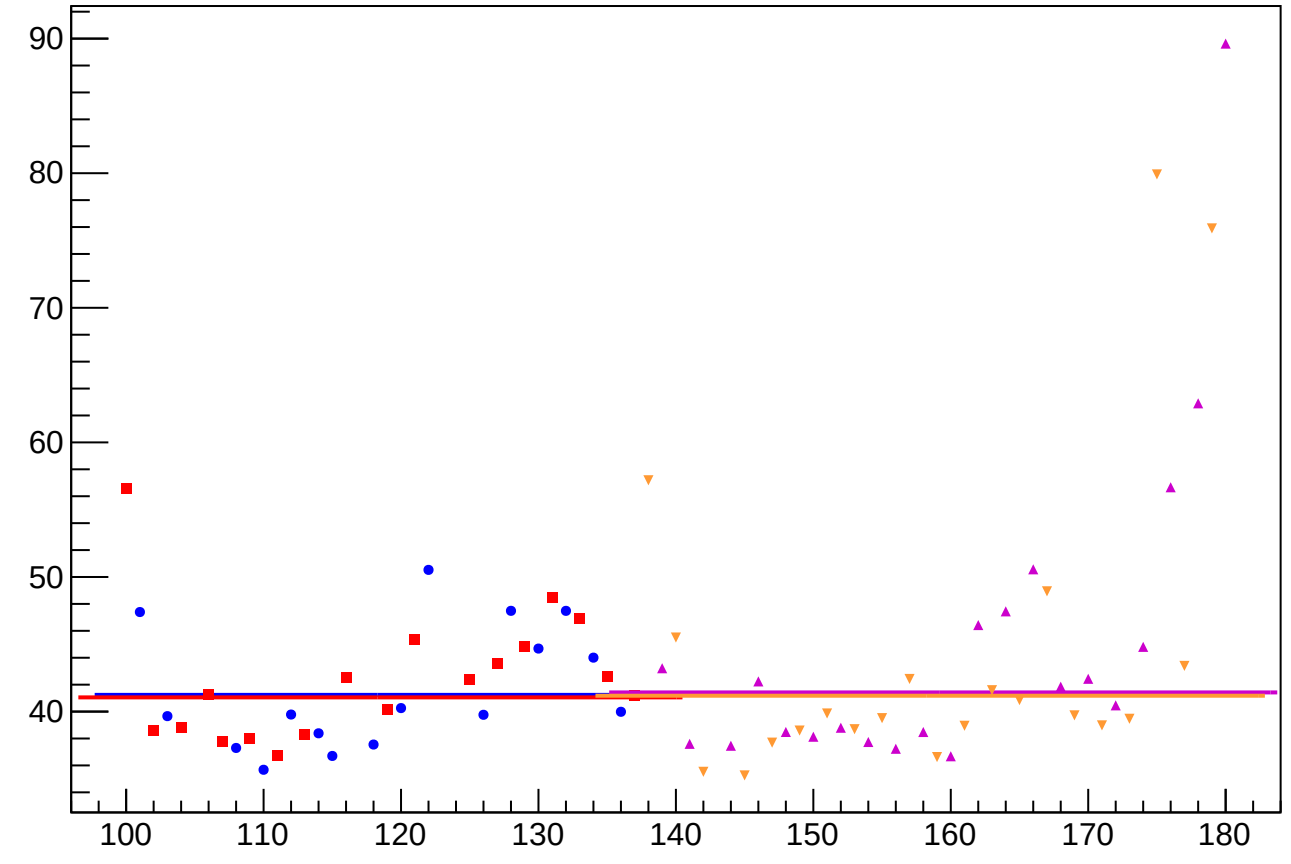
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

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

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

All: -0.005+/-0.006 χ^2/NDF: 77.6/75

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

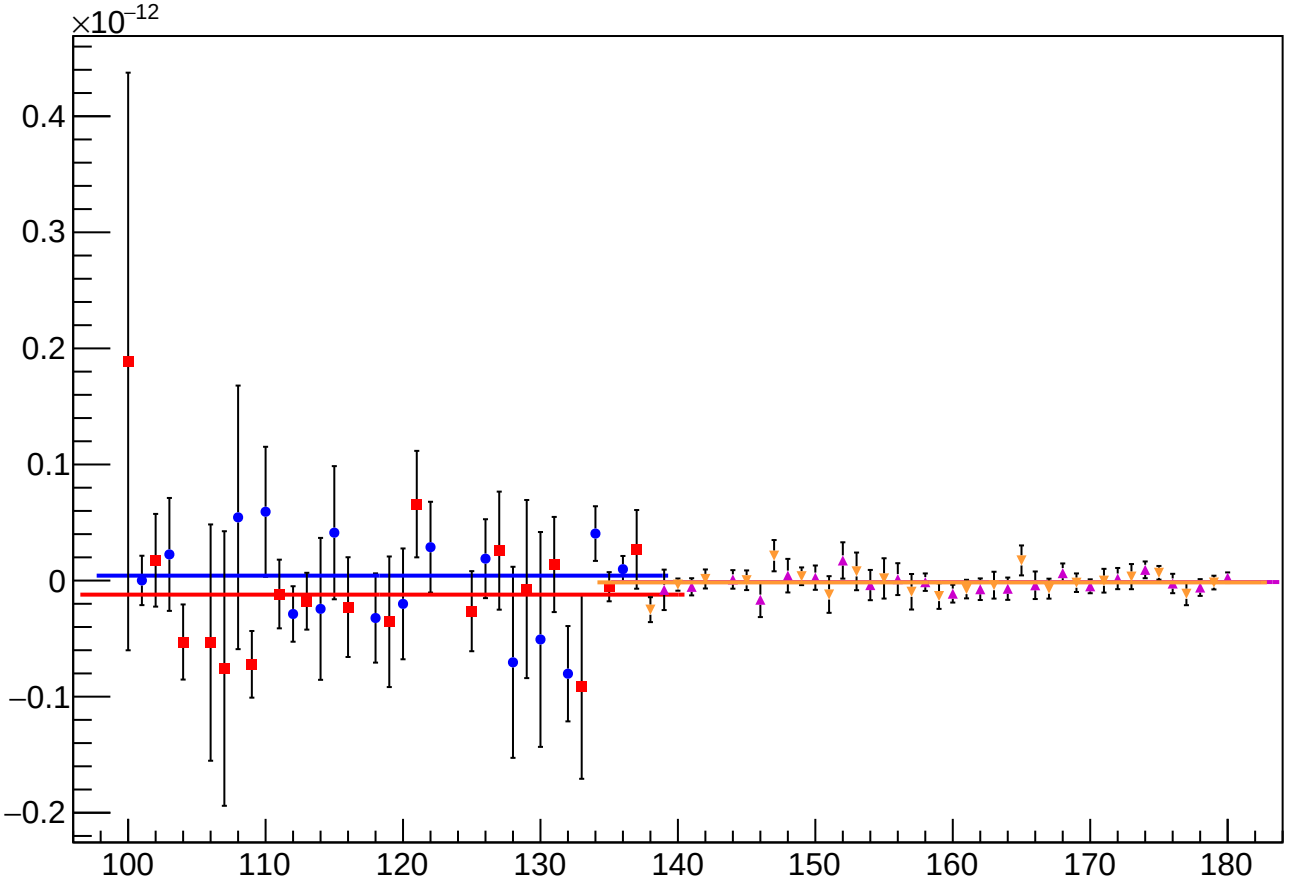
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

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

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

All: 41.254+/-0.004 χ^2/NDF: 2146200.5/75

- 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:17.0/20

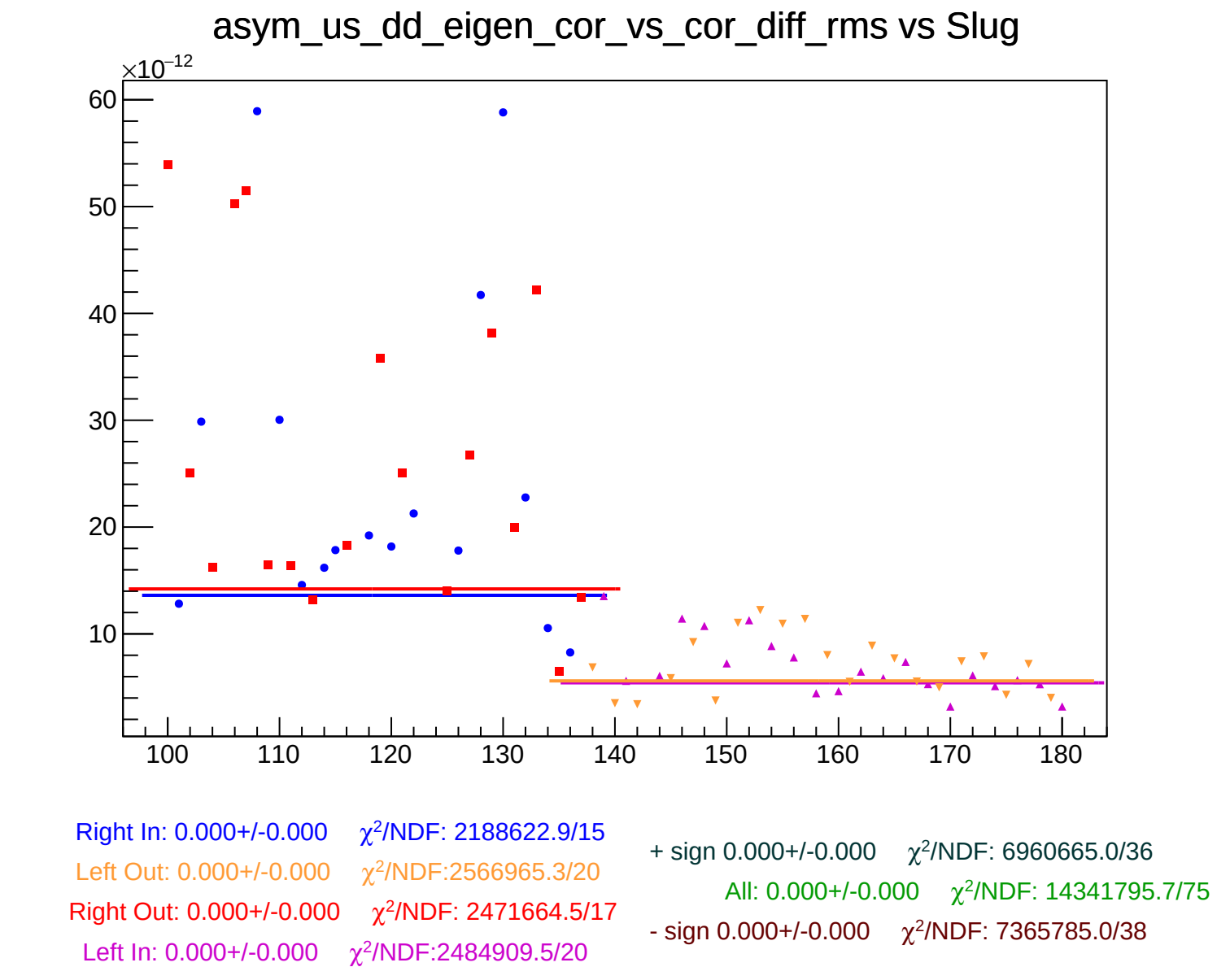
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

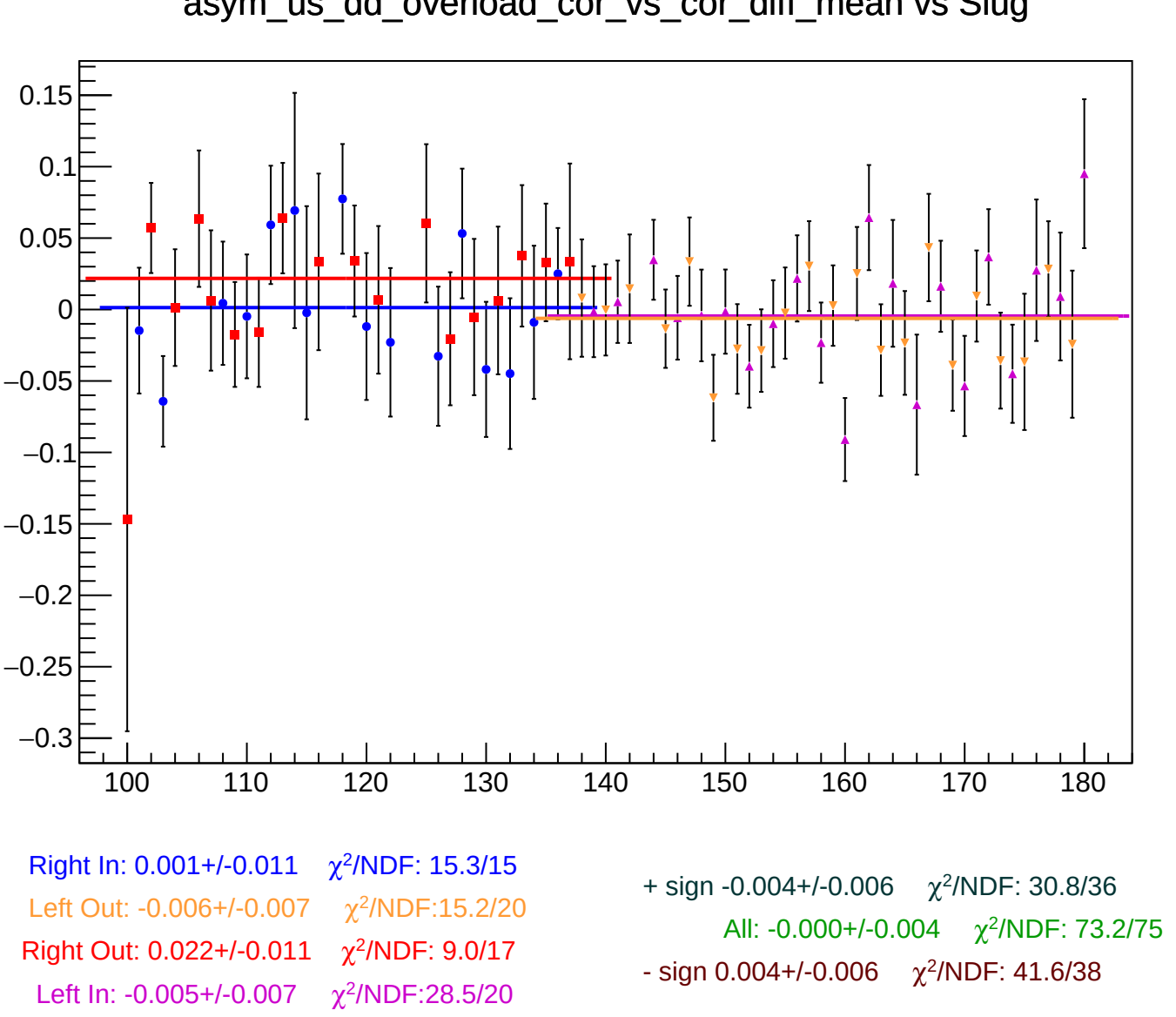
Left In: -0.000+/-0.000 χ^2/NDF:10.4/20

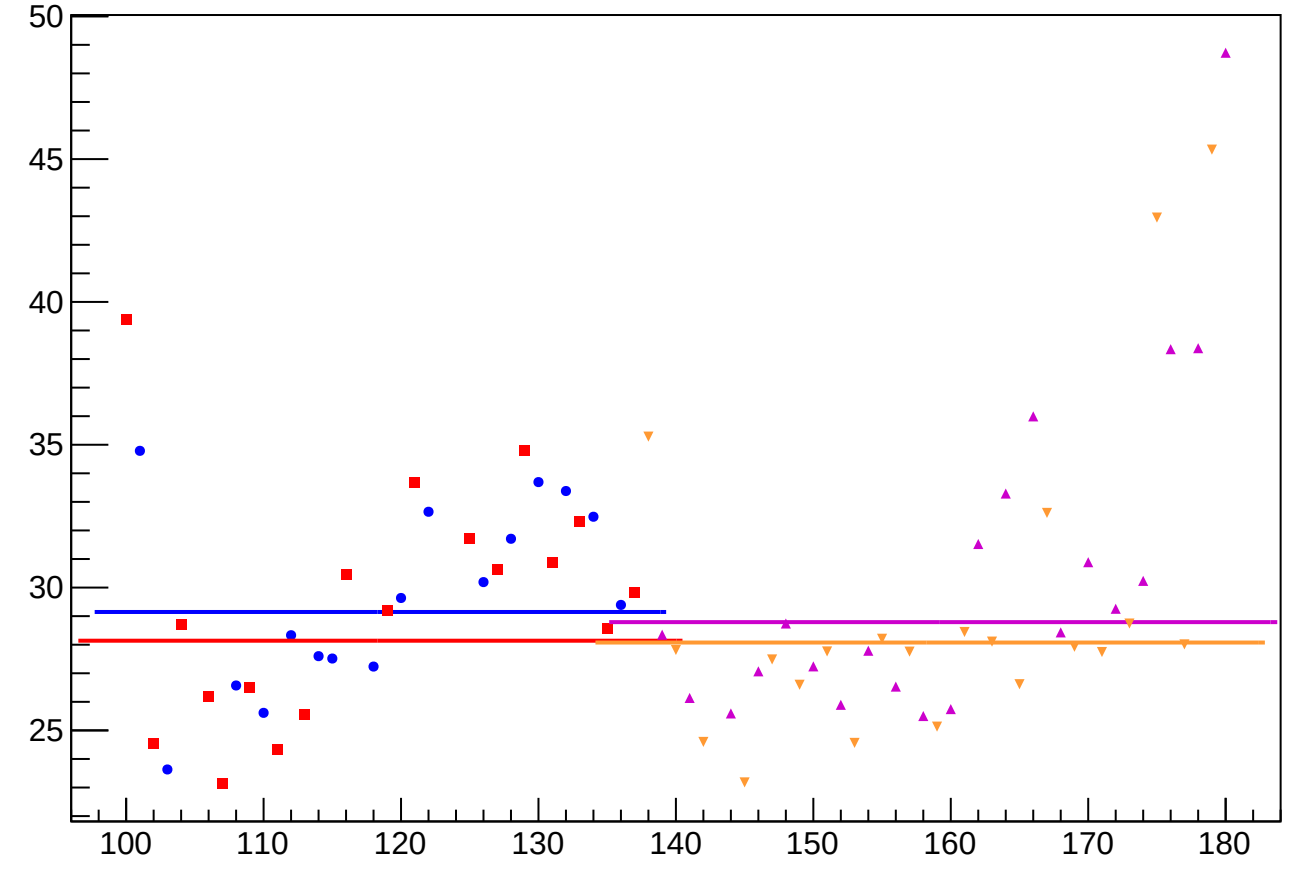
+ sign -0.000+/-0.000 χ^2/NDF: 31.2/36

All: -0.000+/-0.000 χ^2/NDF: 58.1/75

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


asym_us_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: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2566965.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:2484909.5/20
+ sign 0.000+/-0.000 χ²/NDF: 6960665.0/36
All: 0.000+/-0.000 χ²/NDF: 14341795.7/75
- sign 0.000+/-0.000 χ²/NDF: 7365785.0/38


asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.006+/-0.007 χ²/NDF:15.2/20
Right Out: 0.022+/-0.011 χ²/NDF: 9.0/17
Left In: -0.005+/-0.007 χ²/NDF:28.5/20
+ sign -0.004+/-0.006 χ²/NDF: 30.8/36
All: -0.000+/-0.004 χ²/NDF: 73.2/75
- sign 0.004+/-0.006 χ²/NDF: 41.6/38



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

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

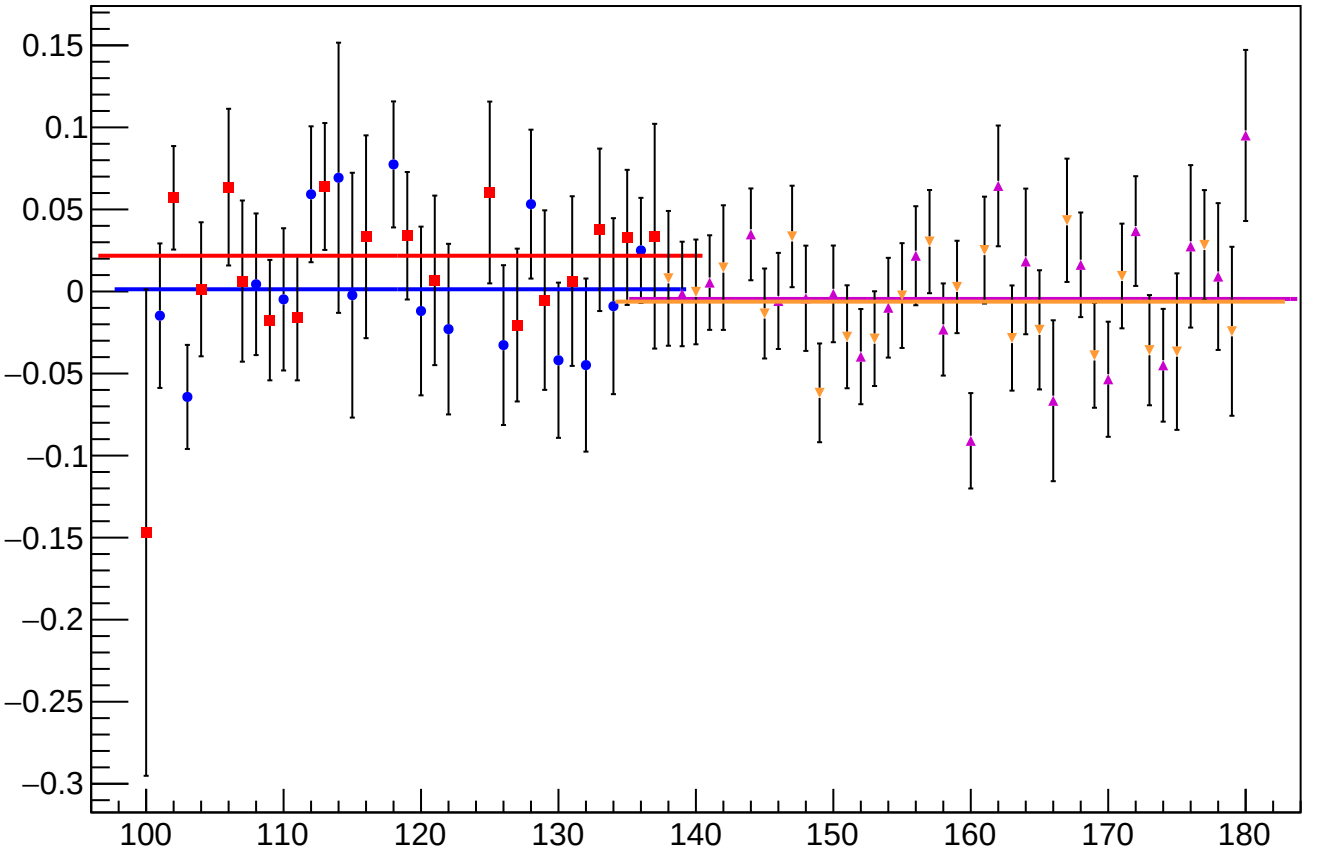
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

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

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

All: 28.490+/-0.003 χ^2/NDF: 1719092.6/75

- 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:15.2/20

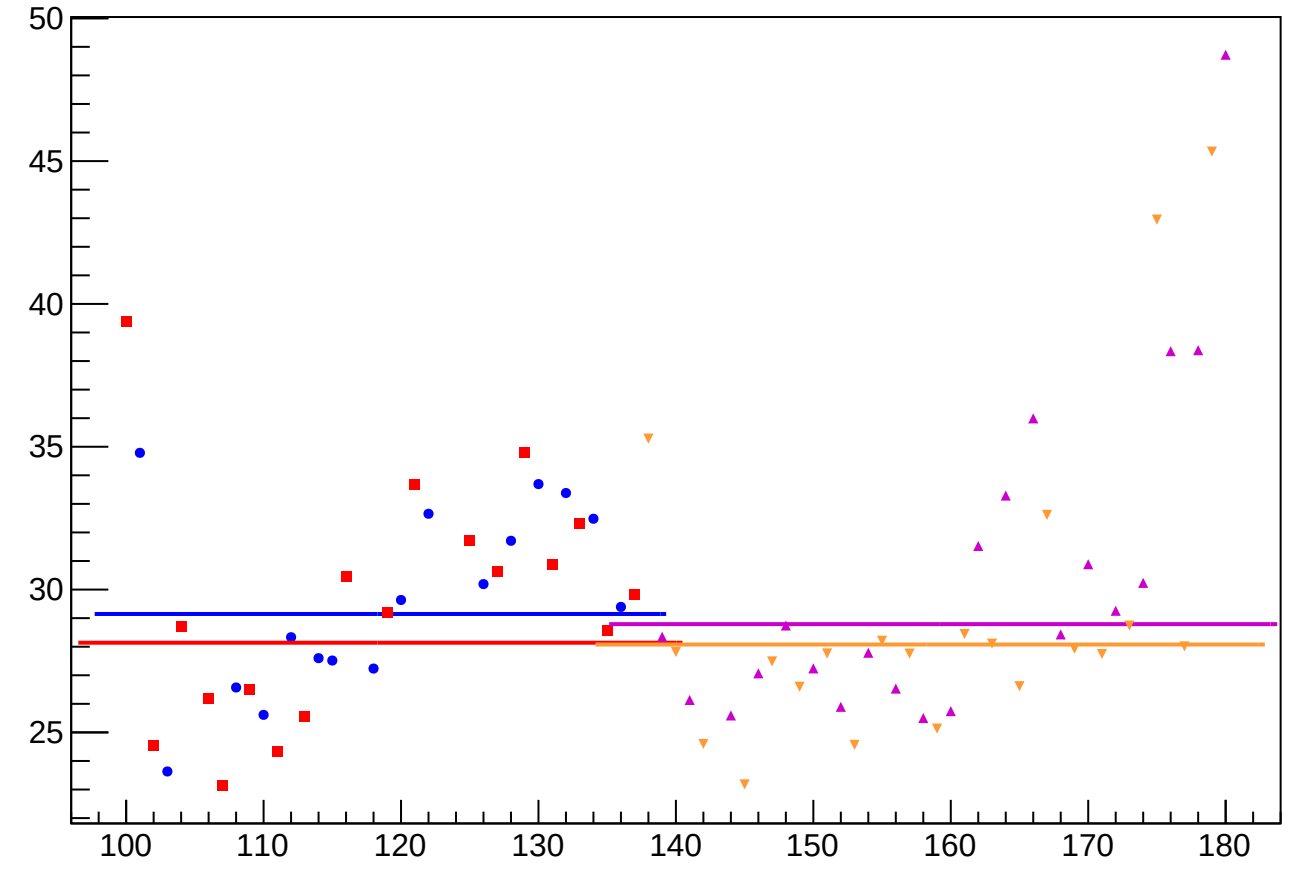
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

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

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

All: -0.000+/-0.004 χ^2/NDF: 73.2/75

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

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

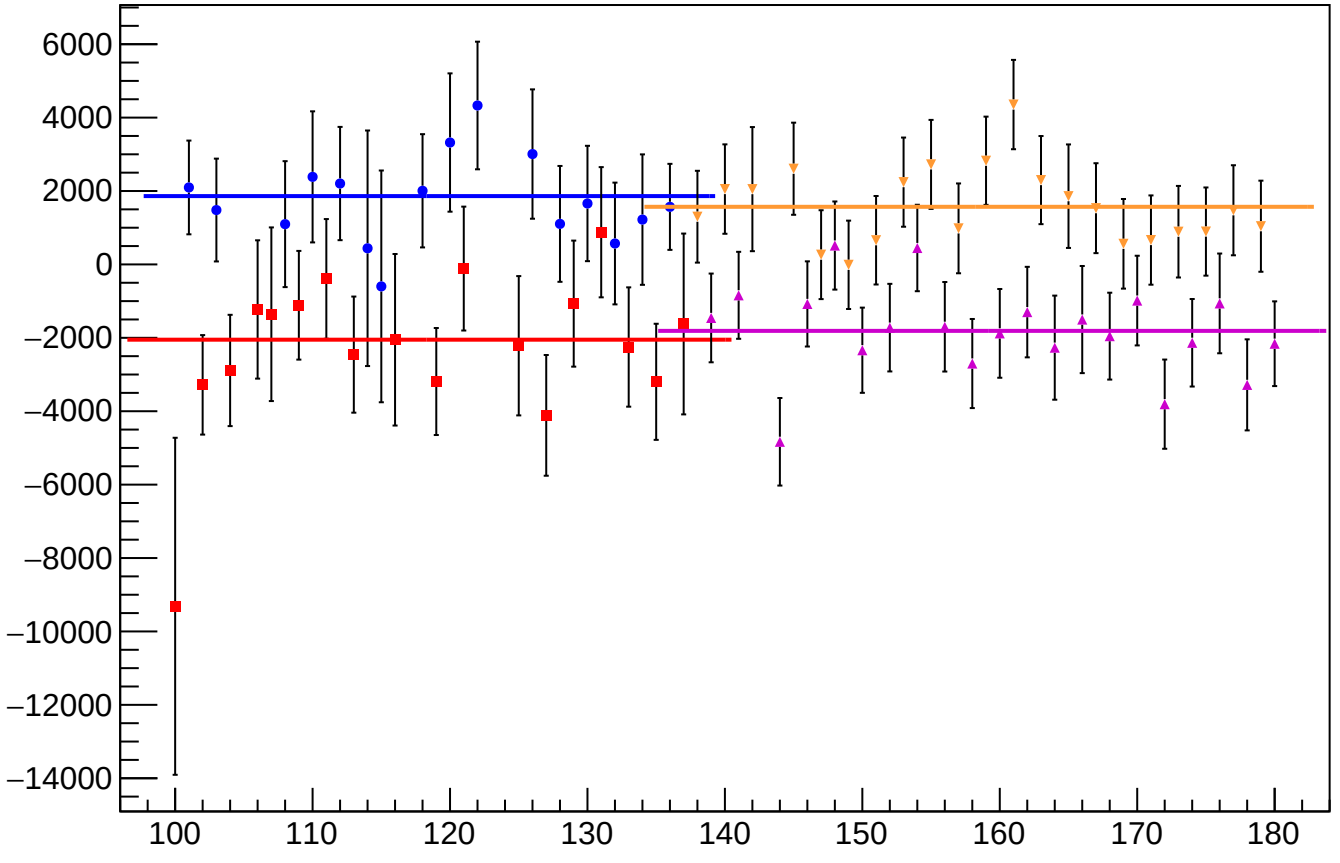
Left In: 28.790+/-0.005 χ^2/NDF:683414.4/20

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

All: 28.490+/-0.003 χ^2/NDF: 1719092.6/75

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

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

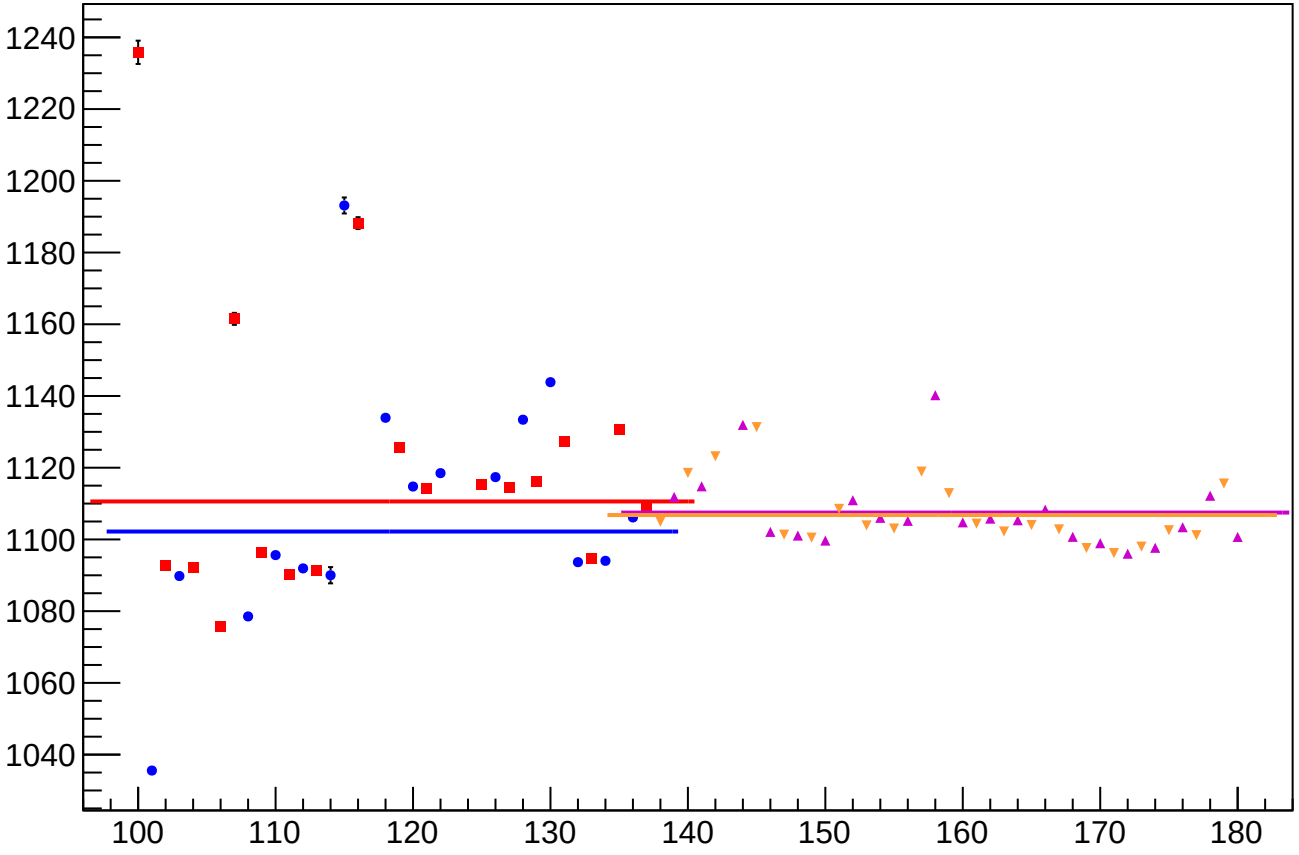
Left In: -1810.675+/-266.627 χ^2/NDF:21.1/20

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

All: -132.555+/-158.889 χ^2/NDF: 178.4/75

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

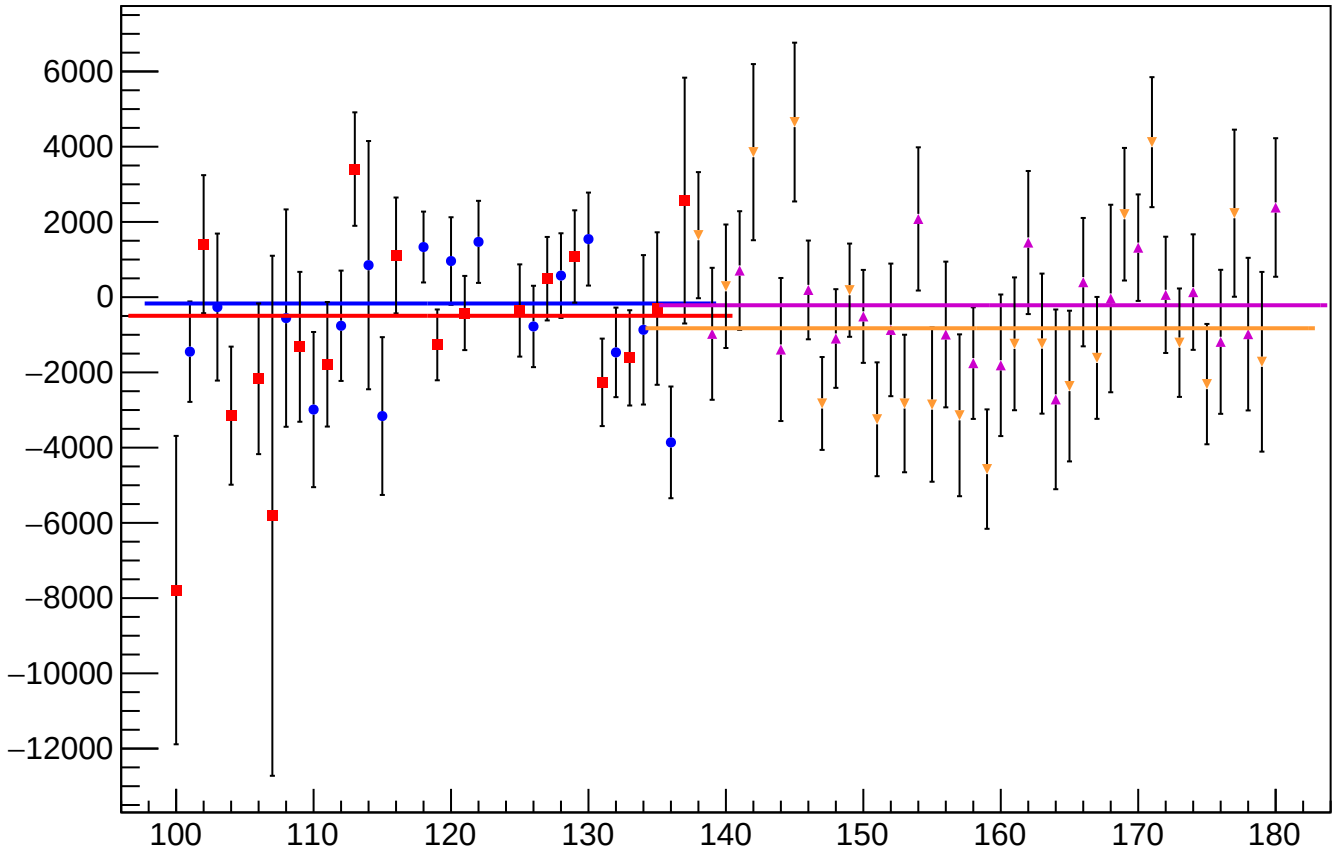
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

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

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

All: 1106.929+/-0.112 χ^2/NDF: 24824.5/75

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

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

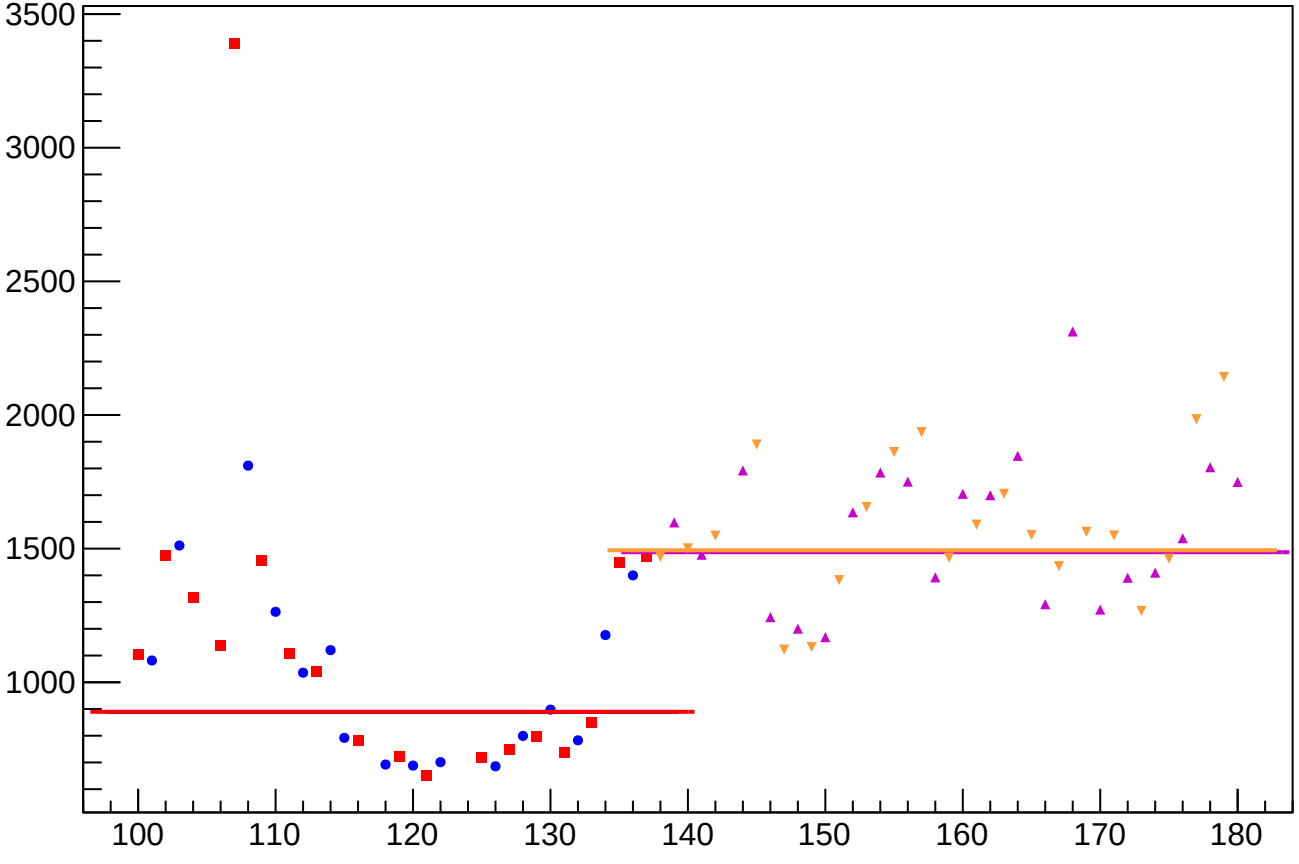
Left In: -215.055+/-364.420 χ^2/NDF:10.7/20

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

All: -416.497+/-178.221 χ^2/NDF: 100.3/75

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

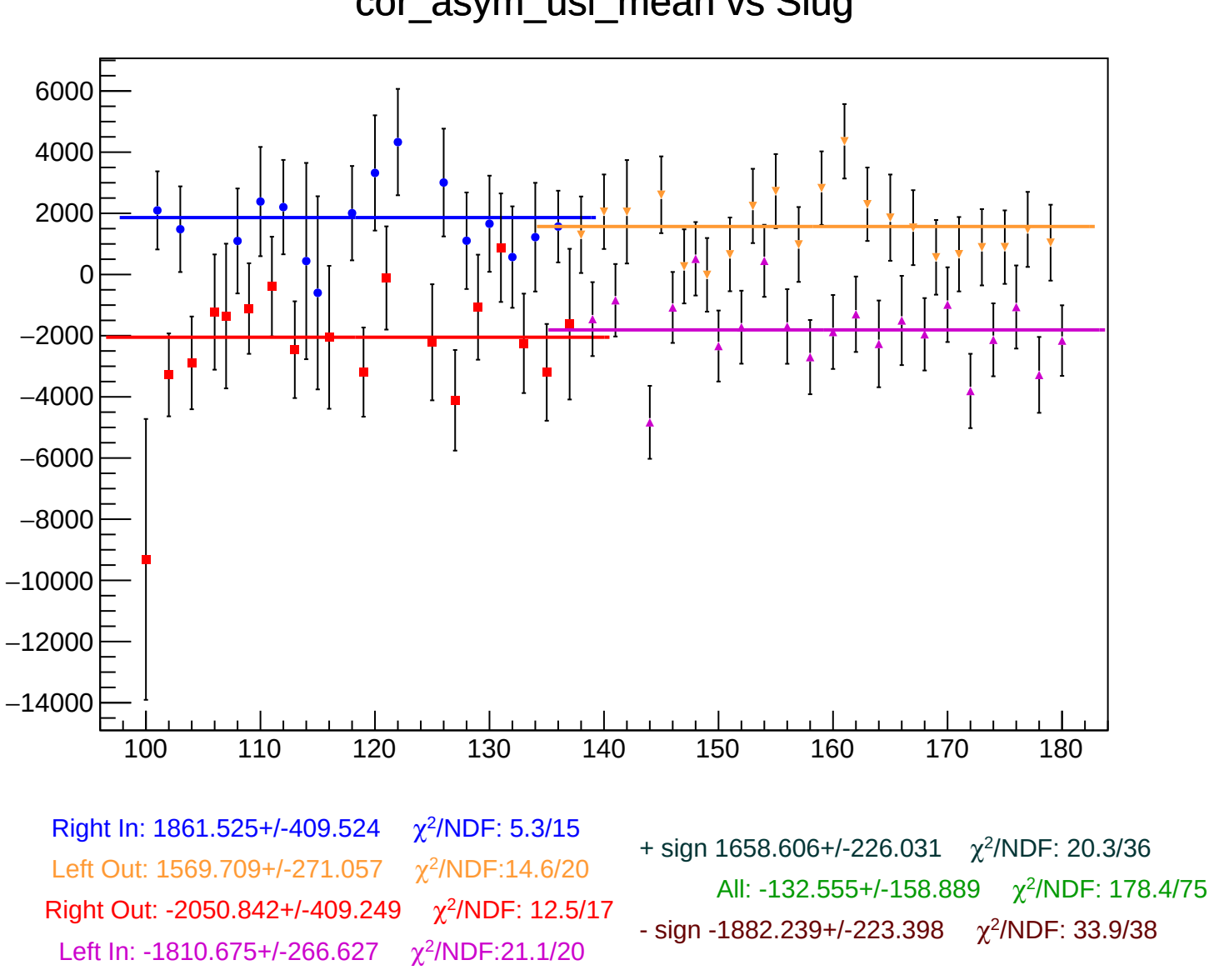
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

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

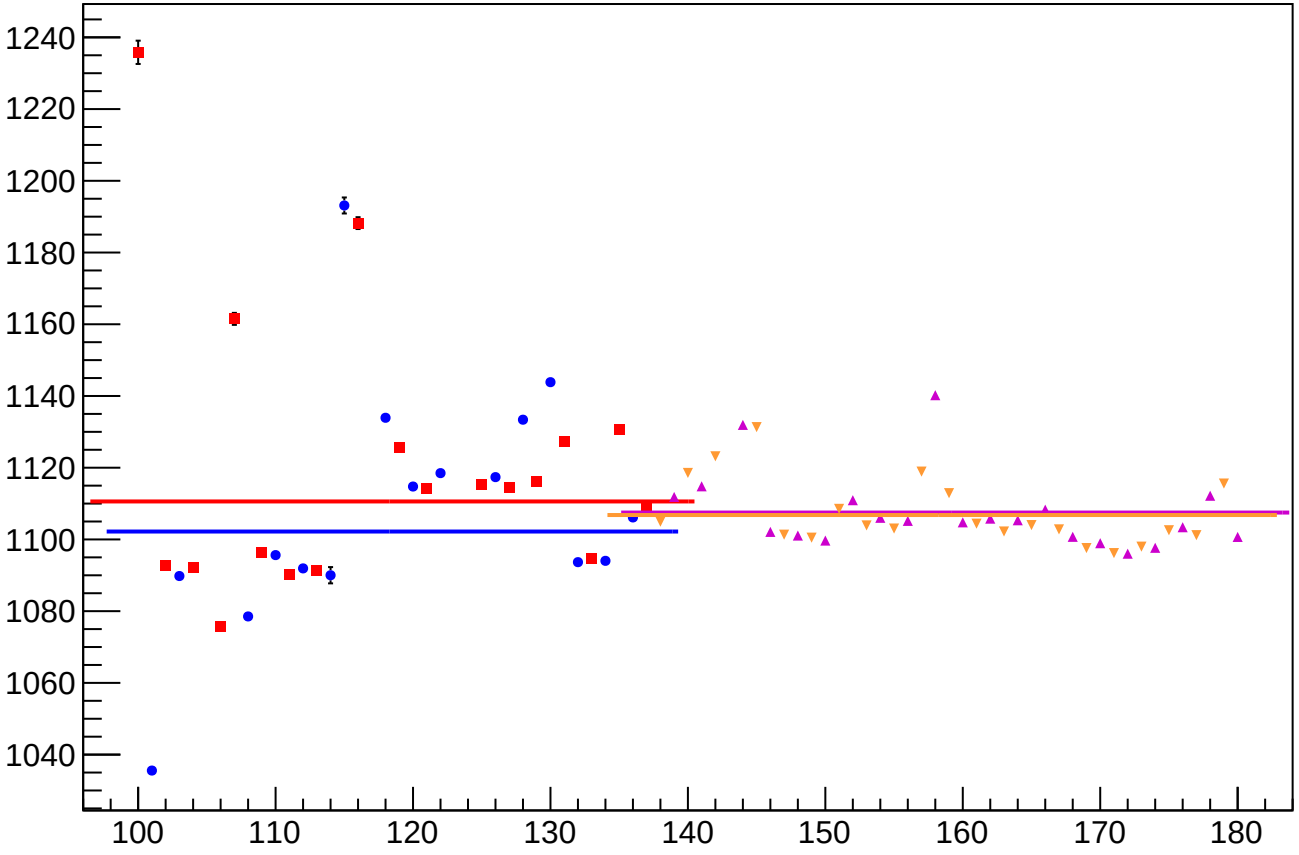
+ sign 1168.016+/-0.179 χ^2/NDF: 4898426.2/36

All: 1169.895+/-0.126 χ^2/NDF: 10032932.1/7

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


cor_asym_usl_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
100
110
120
130
140
150
160
170
180
Right In: 1861.525+/-409.524 χ²/NDF: 5.3/15
Left Out: 1569.709+/-271.057 χ²/NDF:14.6/20
Right Out: -2050.842+/-409.249 χ²/NDF: 12.5/17
Left In: -1810.675+/-266.627 χ²/NDF:21.1/20
+ sign 1658.606+/-226.031 χ²/NDF: 20.3/36
All: -132.555+/-158.889 χ²/NDF: 178.4/75
- sign -1882.239+/-223.398 χ²/NDF: 33.9/38

cor_asym_usl_rms vs Slug



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

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

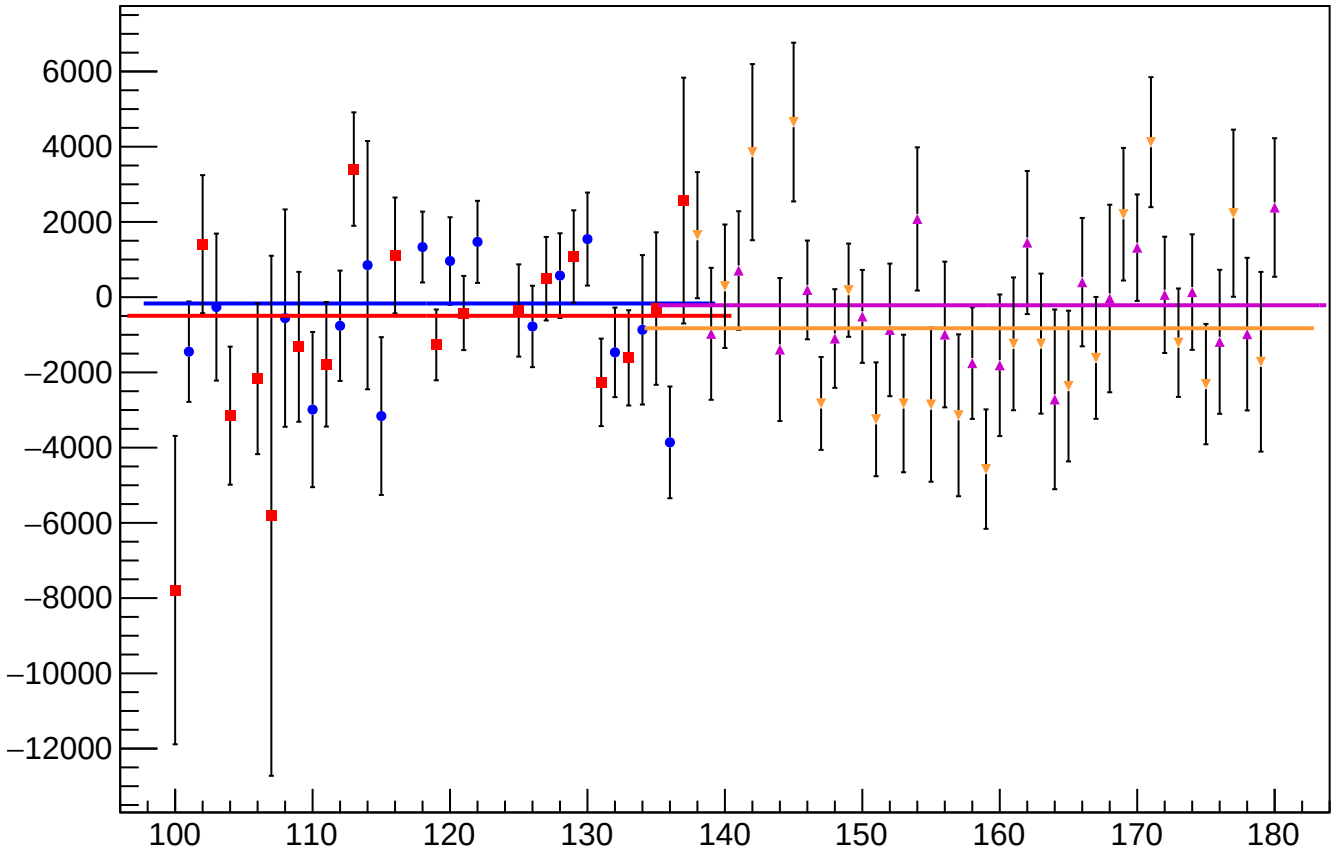
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

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

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

All: 1106.929+/-0.112 χ^2/NDF: 24824.5/75

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

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

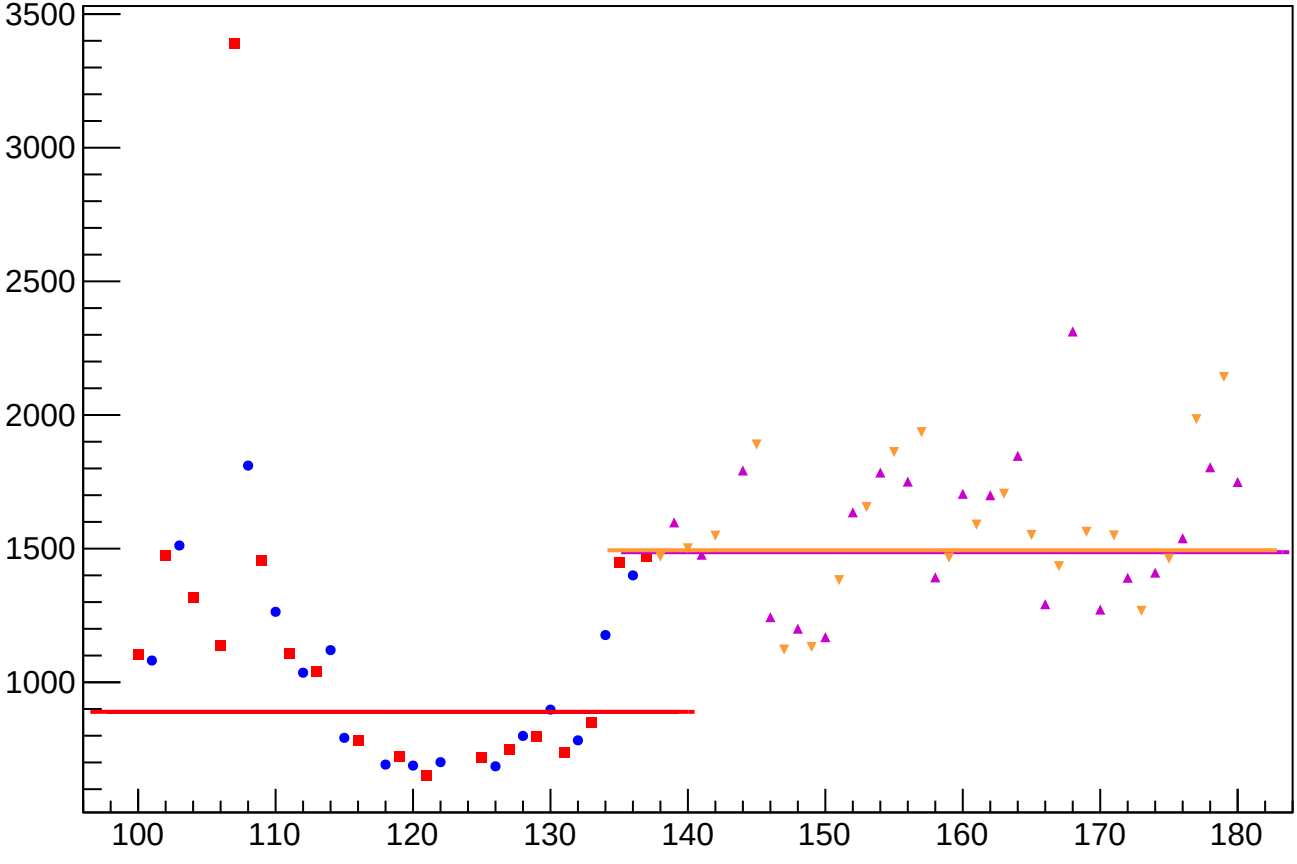
Left In: -215.055+/-364.420 χ^2/NDF:10.7/20

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

All: -416.497+/-178.221 χ^2/NDF: 100.3/75

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

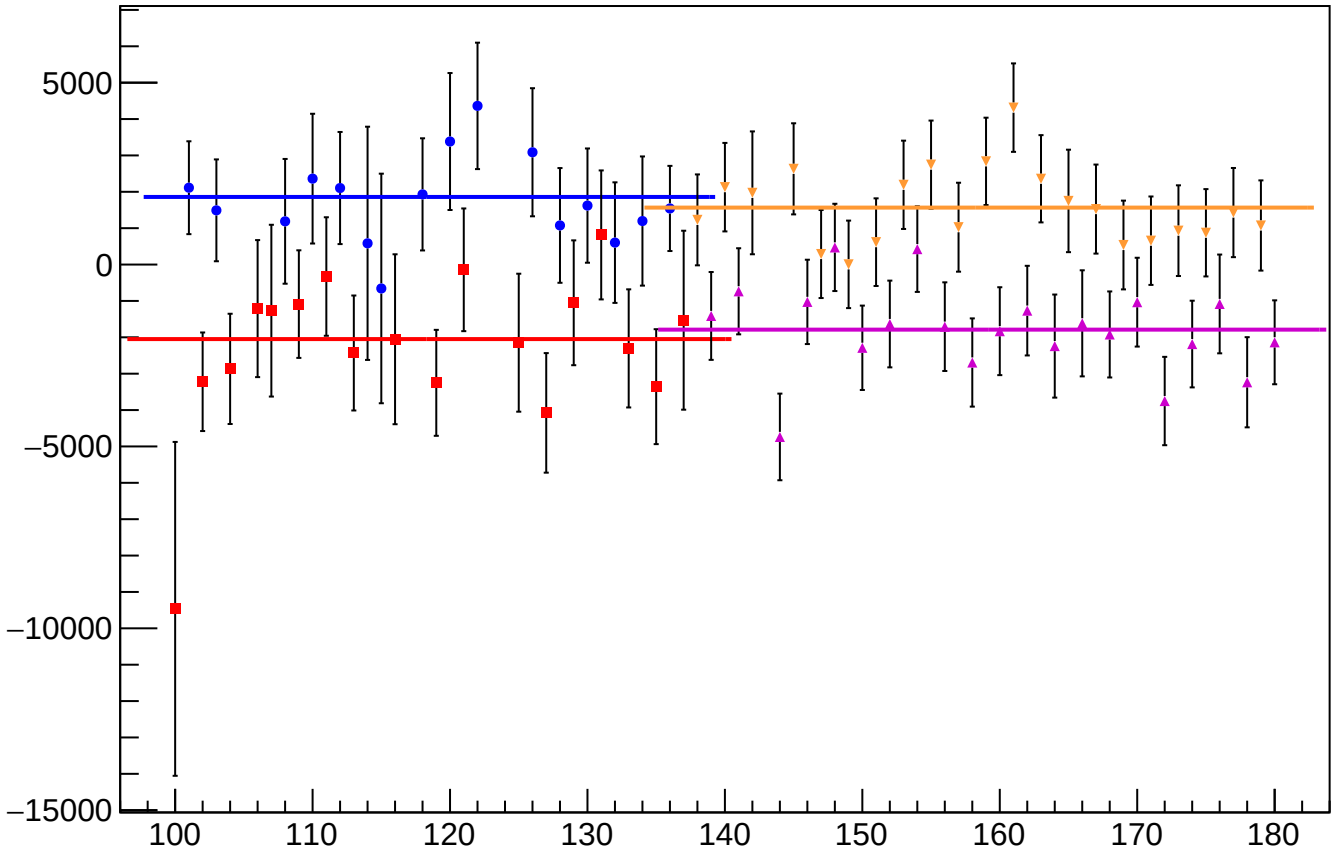
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

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

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

All: 1169.895+/-0.126 χ^2/NDF: 10032932.1/7

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



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

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

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

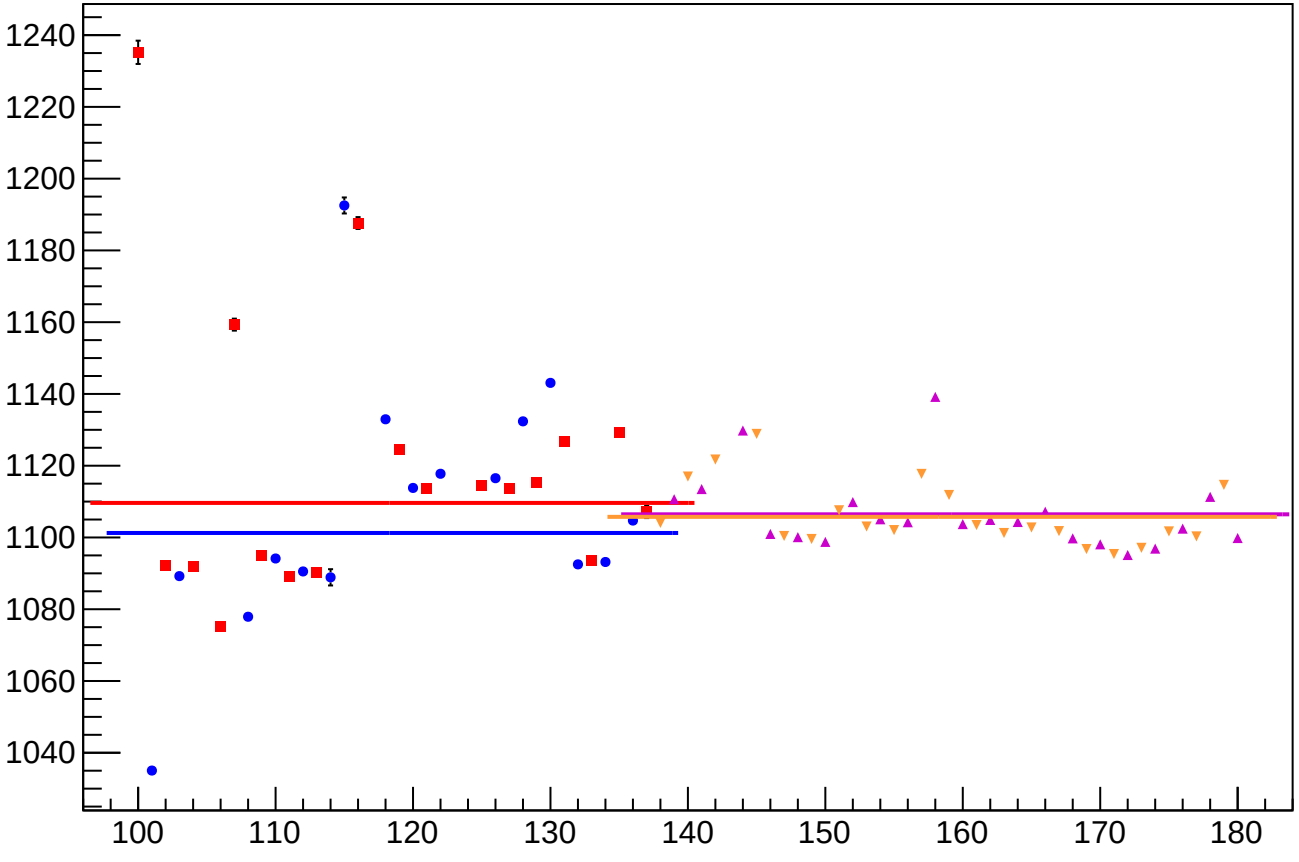
Left In: -1789.108+/-266.375 χ^2/NDF:20.4/20

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

All: -126.336+/-158.742 χ^2/NDF: 176.9/75

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

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

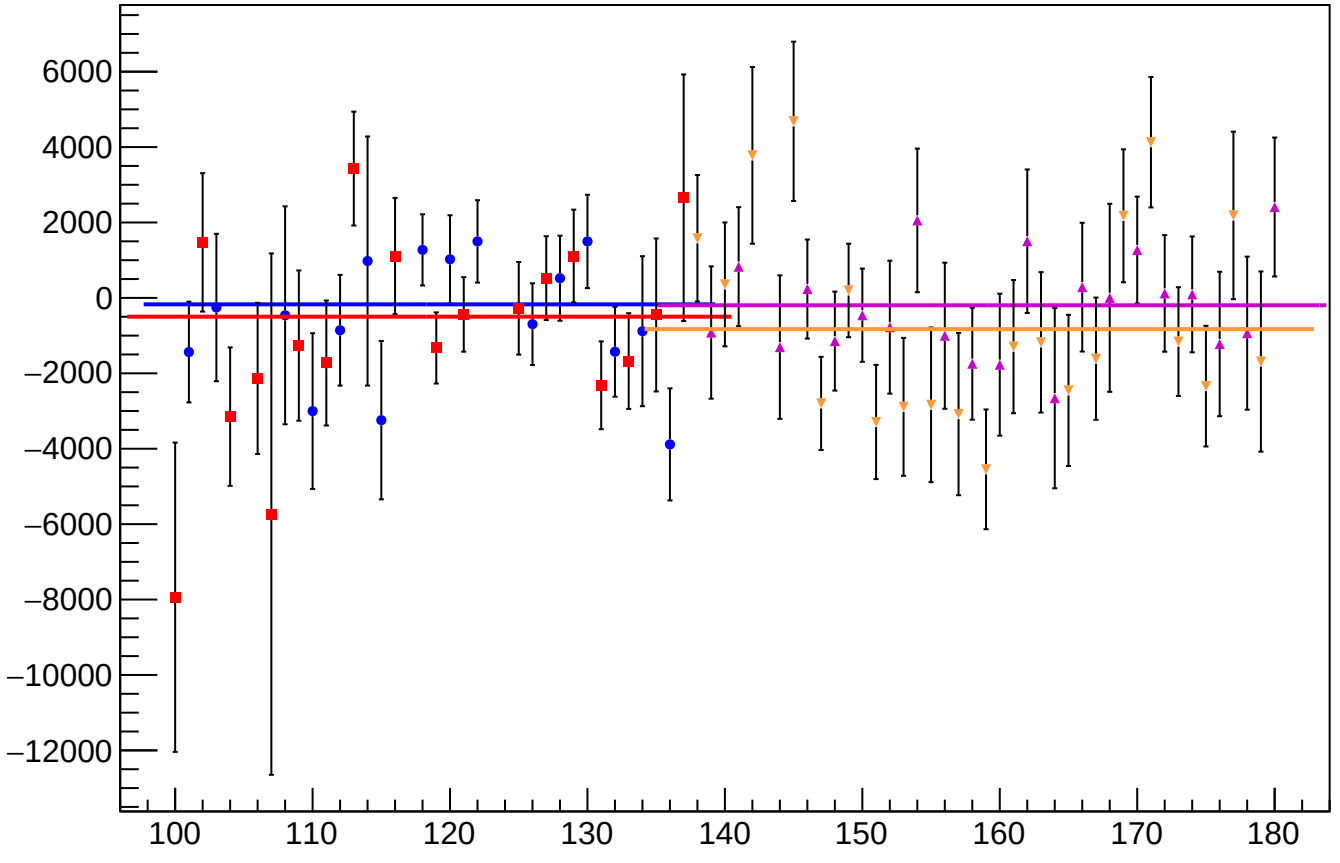
Left In: 1106.452+/-0.188 χ^2/NDF:3128.8/20

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

All: 1105.906+/-0.112 χ^2/NDF: 24526.2/75

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

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

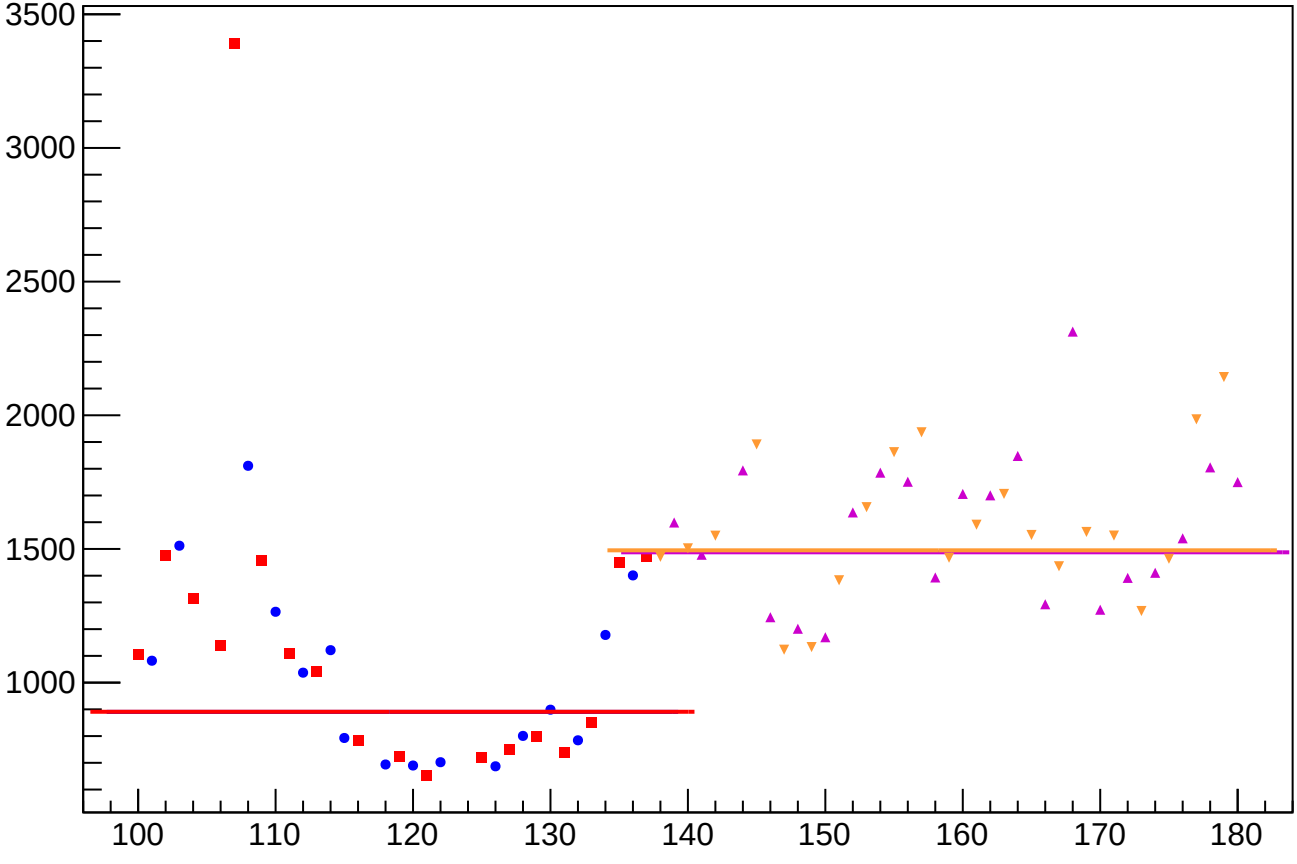
Left In: -196.191+/-364.621 χ^2/NDF:10.6/20

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

All: -413.952+/-178.411 χ^2/NDF: 100.5/75

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

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

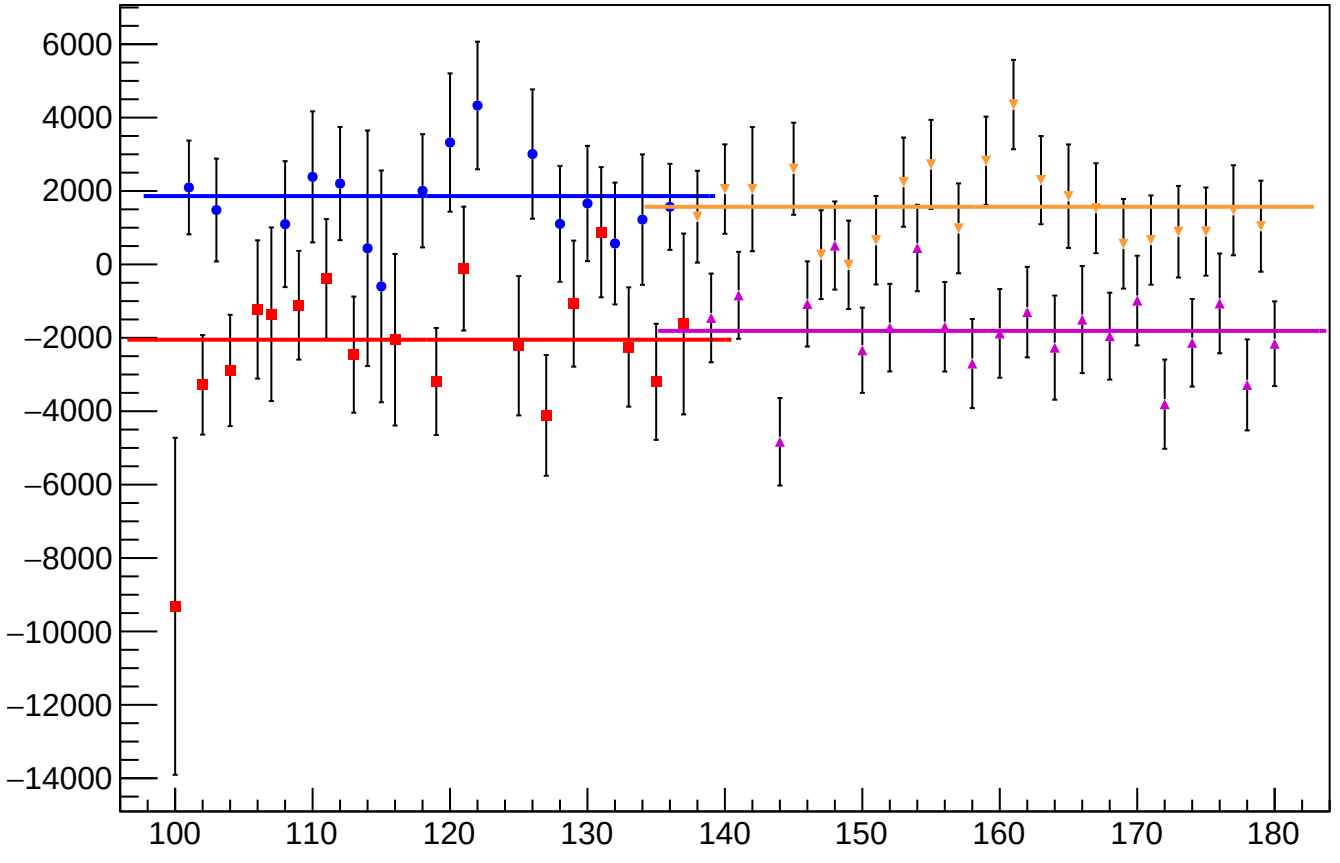
Left In: 1487.414+/-0.258 χ^2/NDF:956155.8/20

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

All: 1171.388+/-0.126 χ^2/NDF: 9998714.7/75

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

eigen_cor_asym_usl_mean vs Slug



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

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

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

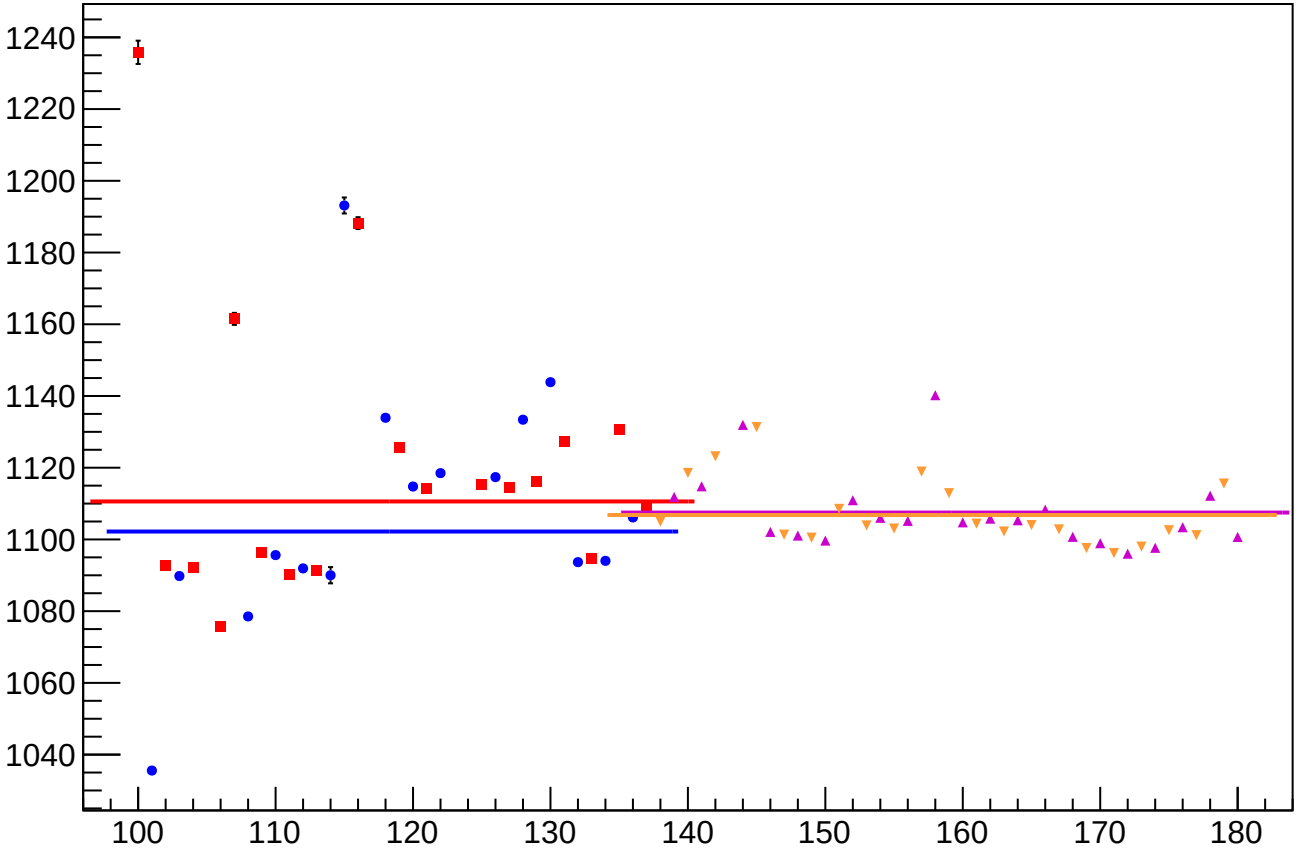
Left In: -1810.675+/-266.627 χ^2/NDF:21.1/20

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

All: -132.555+/-158.889 χ^2/NDF: 178.4/75

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

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

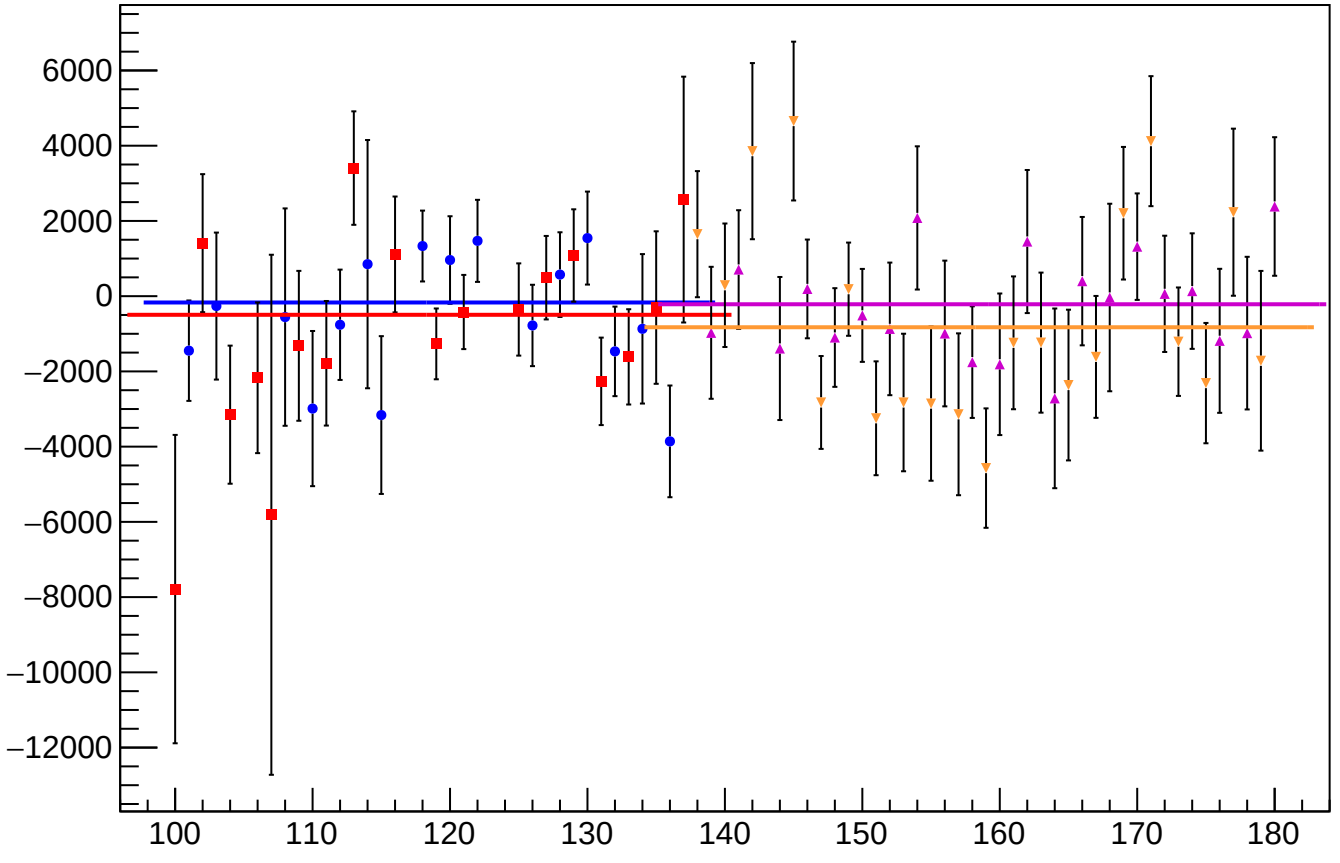
Left In: 1107.496+/-0.189 χ^2/NDF:3226.1/20

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

All: 1106.929+/-0.112 χ^2/NDF: 24824.5/75

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

asym_usl_eigen_cor_correction_mean vs Slug



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

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

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

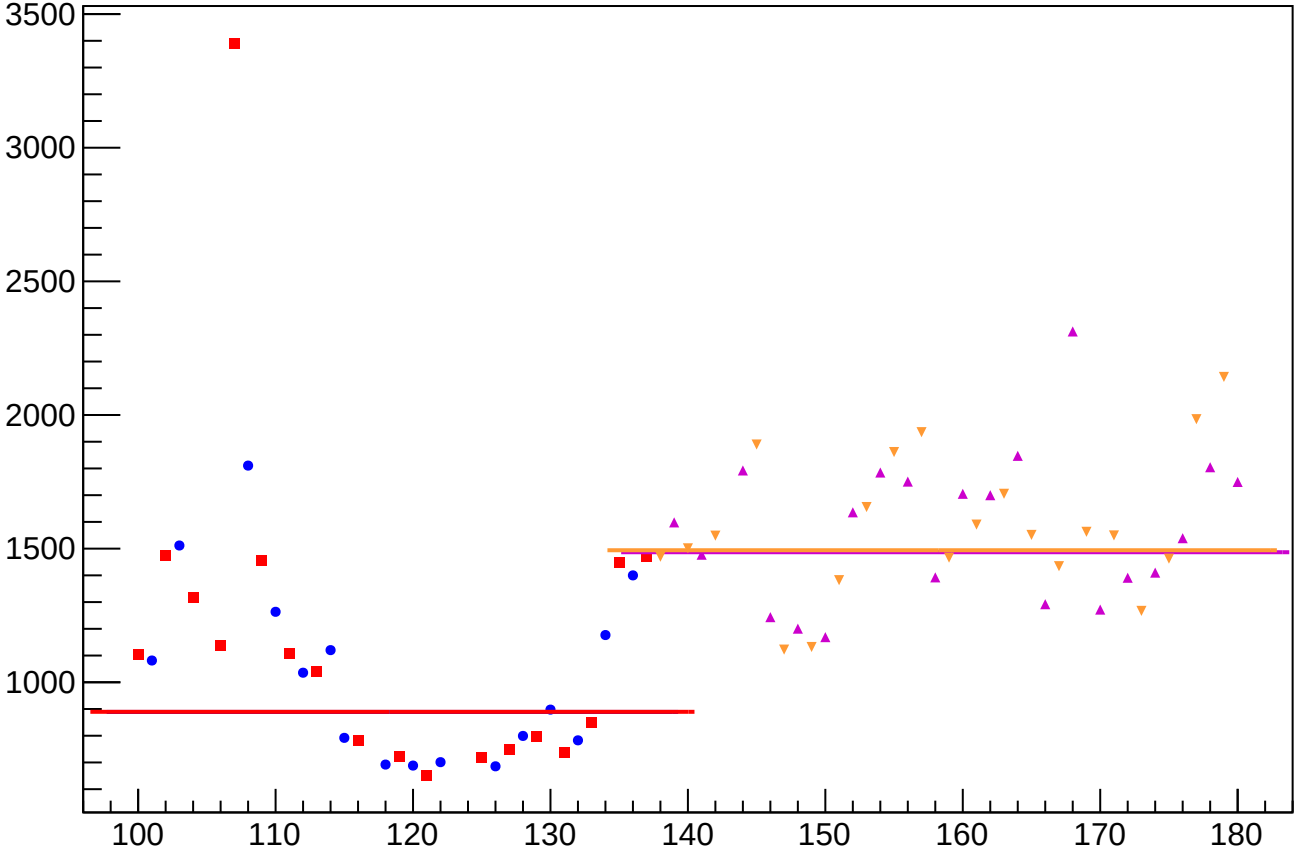
Left In: -215.055+/-364.420 χ^2/NDF:10.7/20

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

All: -416.497+/-178.221 χ^2/NDF: 100.3/75

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

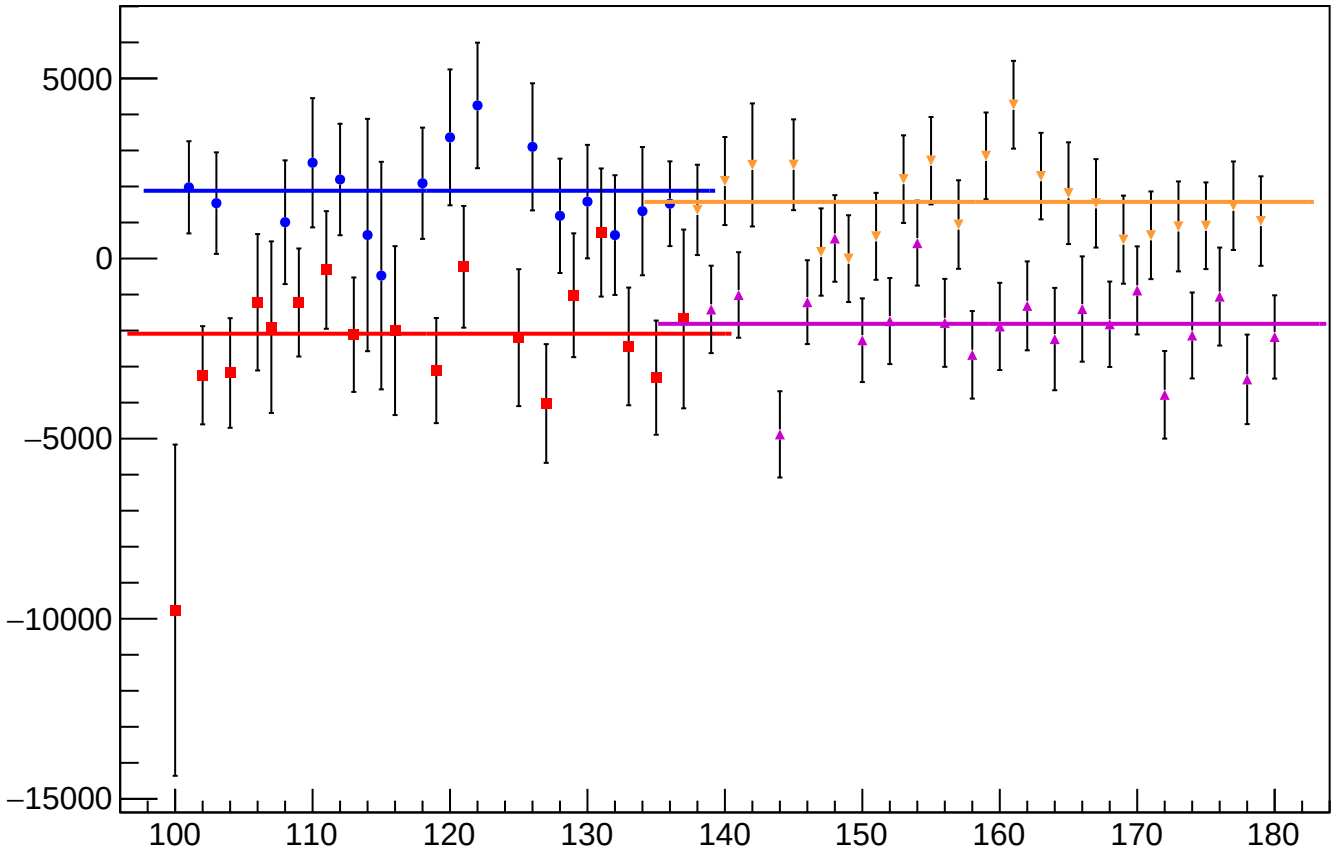
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

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

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

All: 1169.895+/-0.126 χ^2/NDF: 10032932.1/7

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



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

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

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

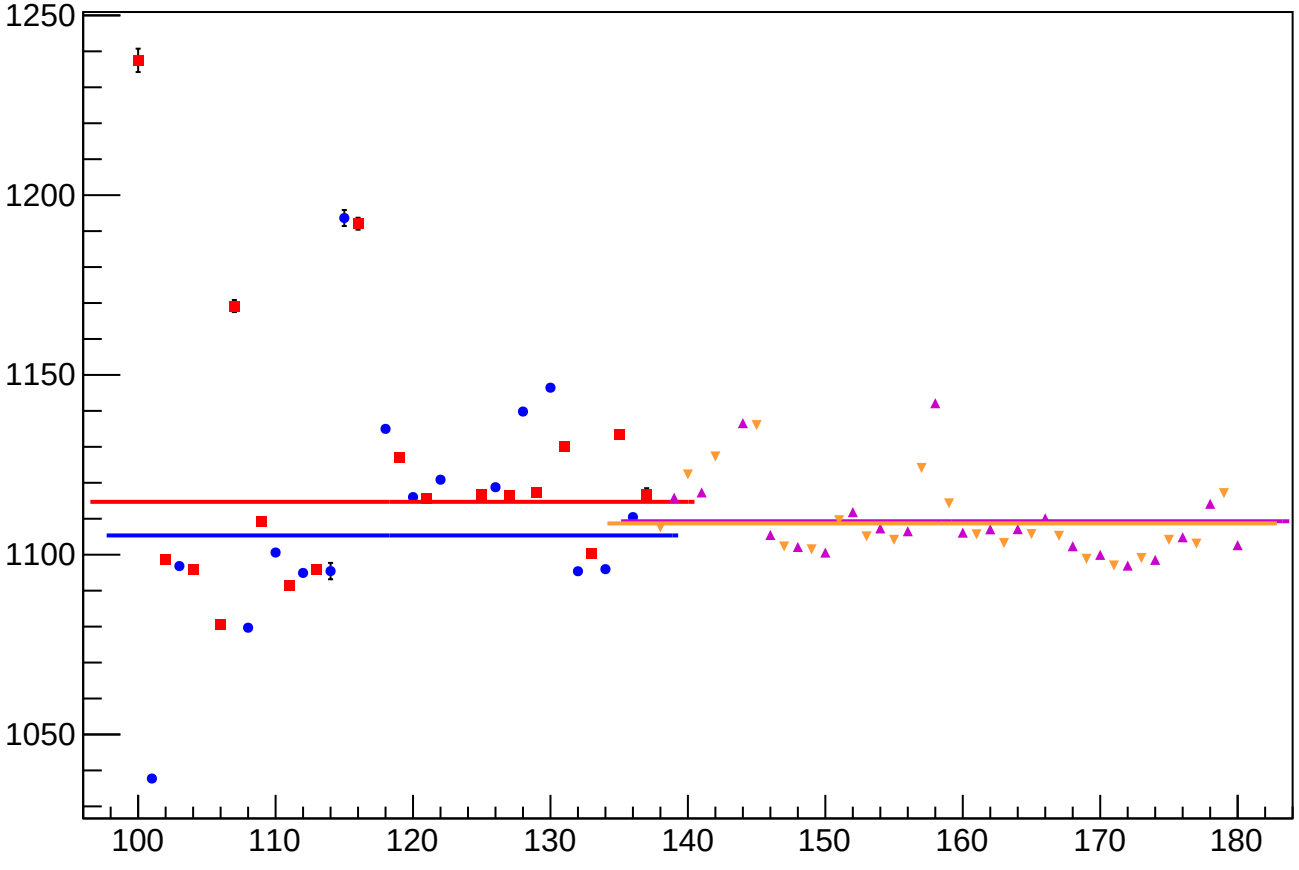
Left In: -1812.456+/-267.068 χ^2/NDF:21.1/20

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

All: -134.505+/-159.244 χ^2/NDF: 179.2/75

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

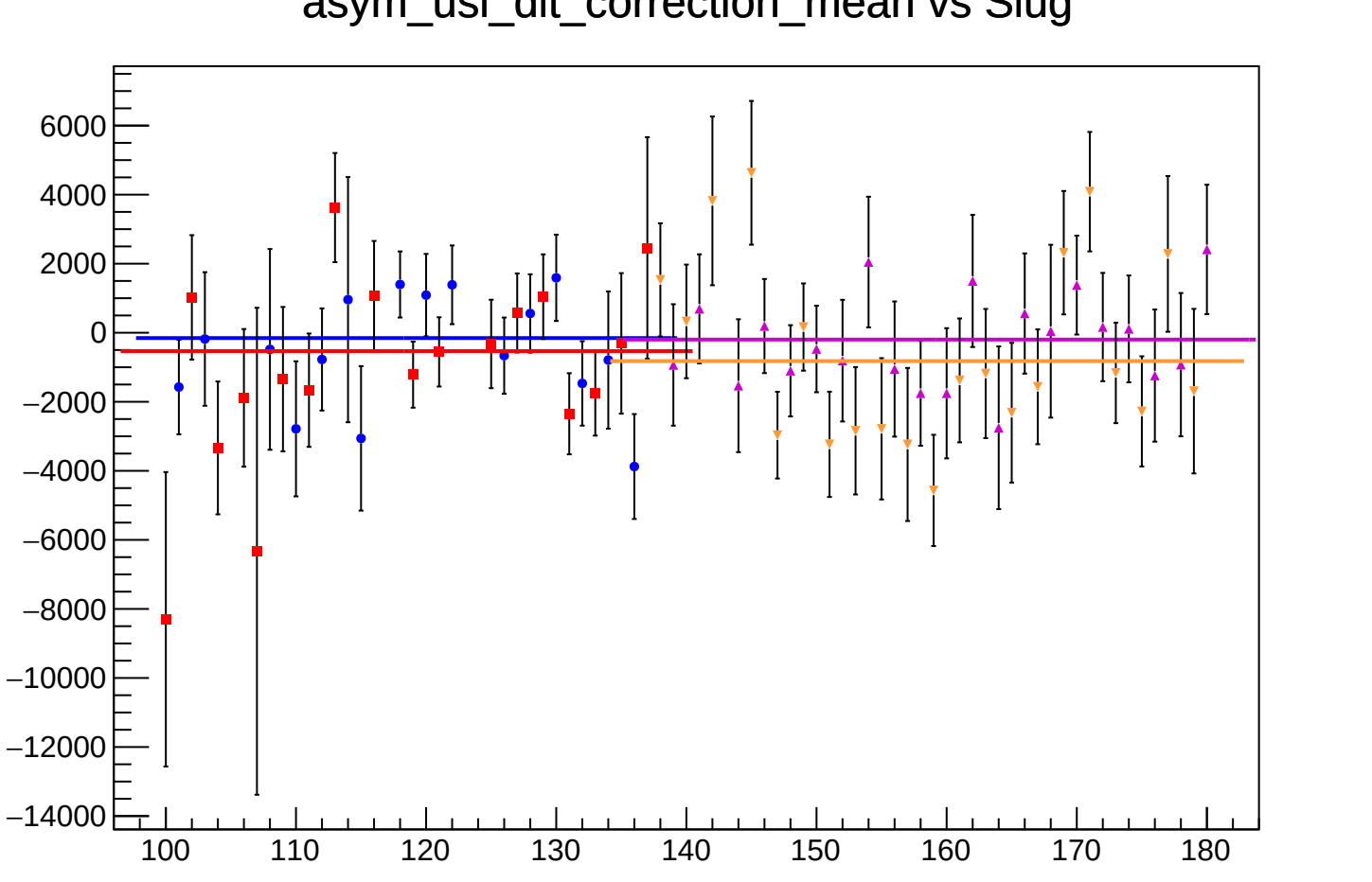
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

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

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

All: 1109.315+/-0.113 χ^2/NDF: 25409.8/75

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

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

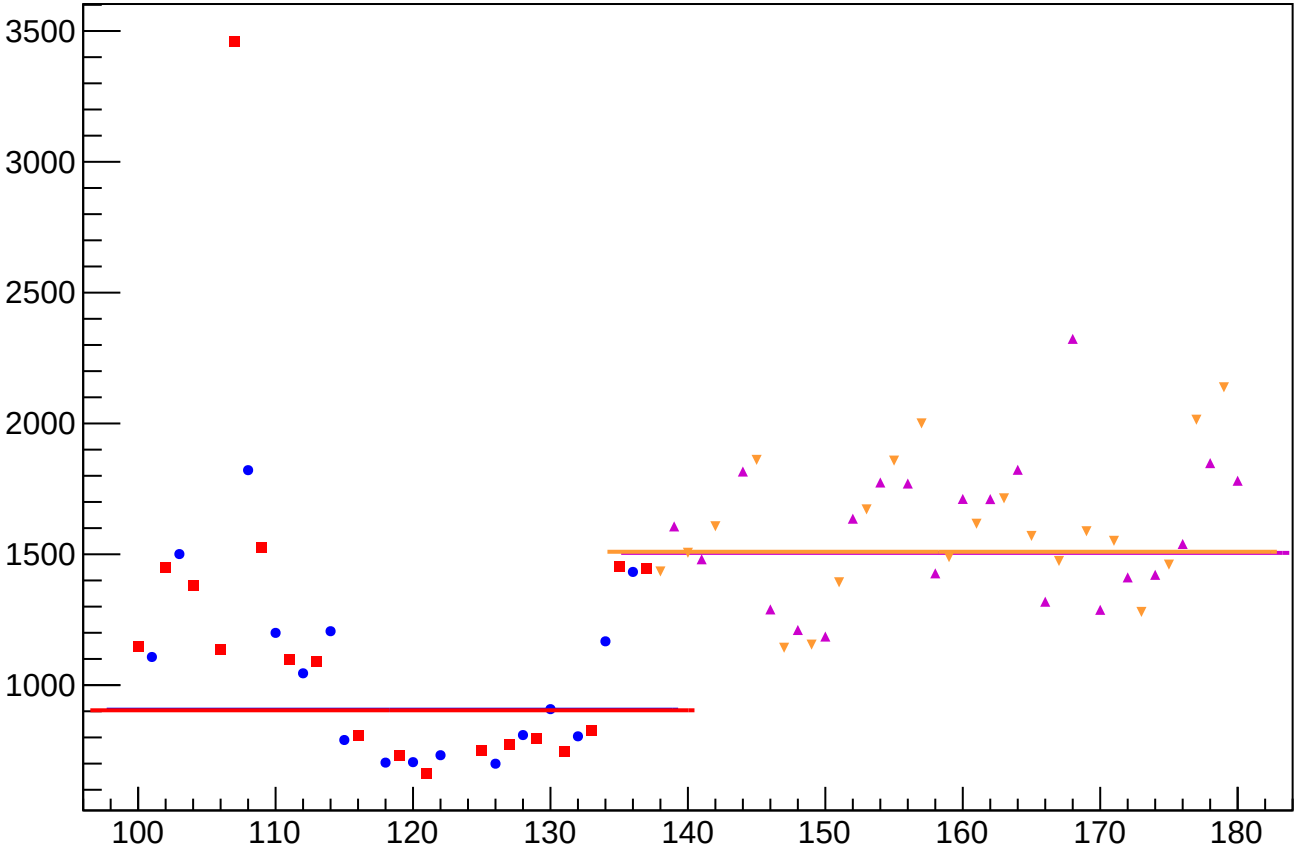
Left In: -197.766+/-368.562 χ^2/NDF:10.8/20

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

All: -418.287+/-180.643 χ^2/NDF: 99.4/75

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

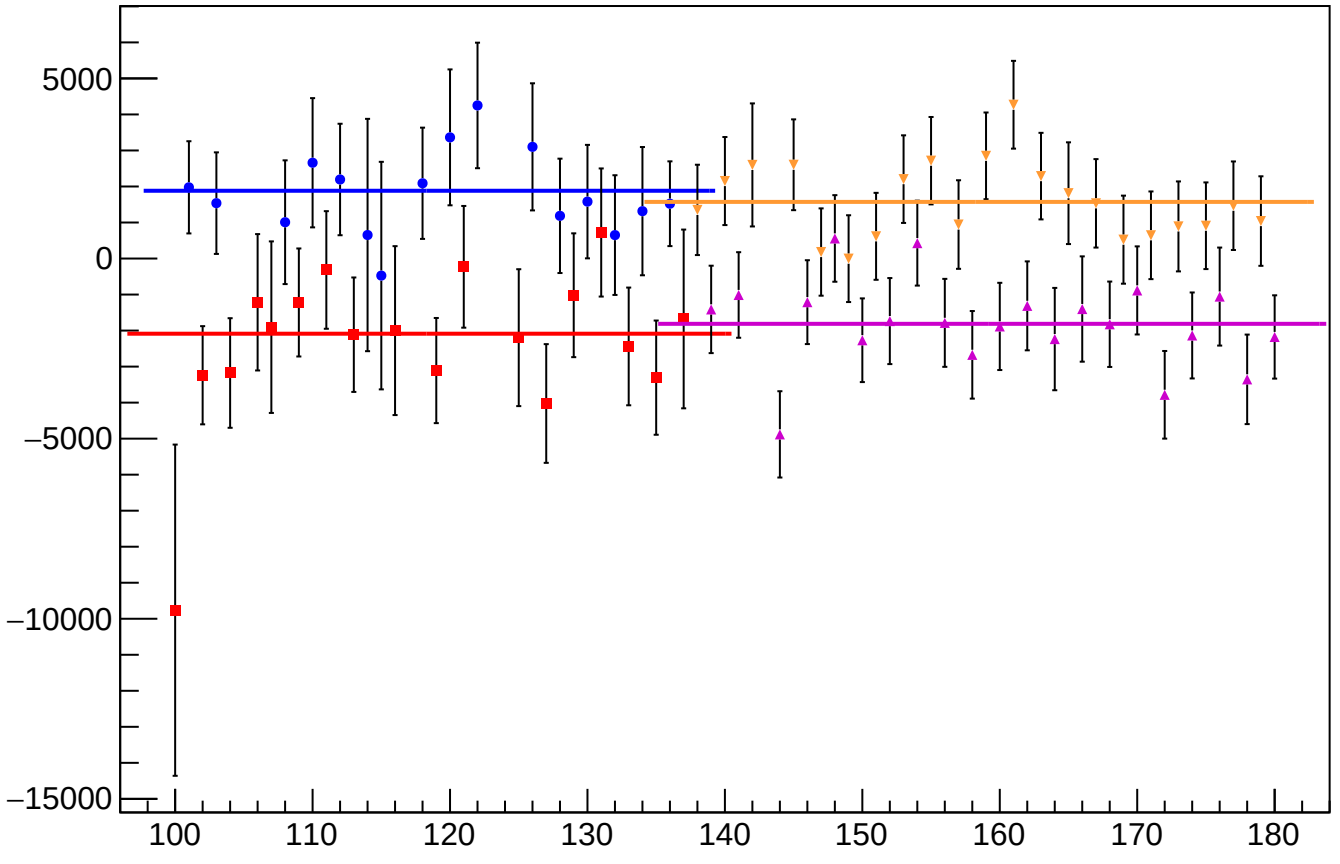
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

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

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

All: 1188.005+/-0.128 χ^2/NDF: 9778383.2/75

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



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

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

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

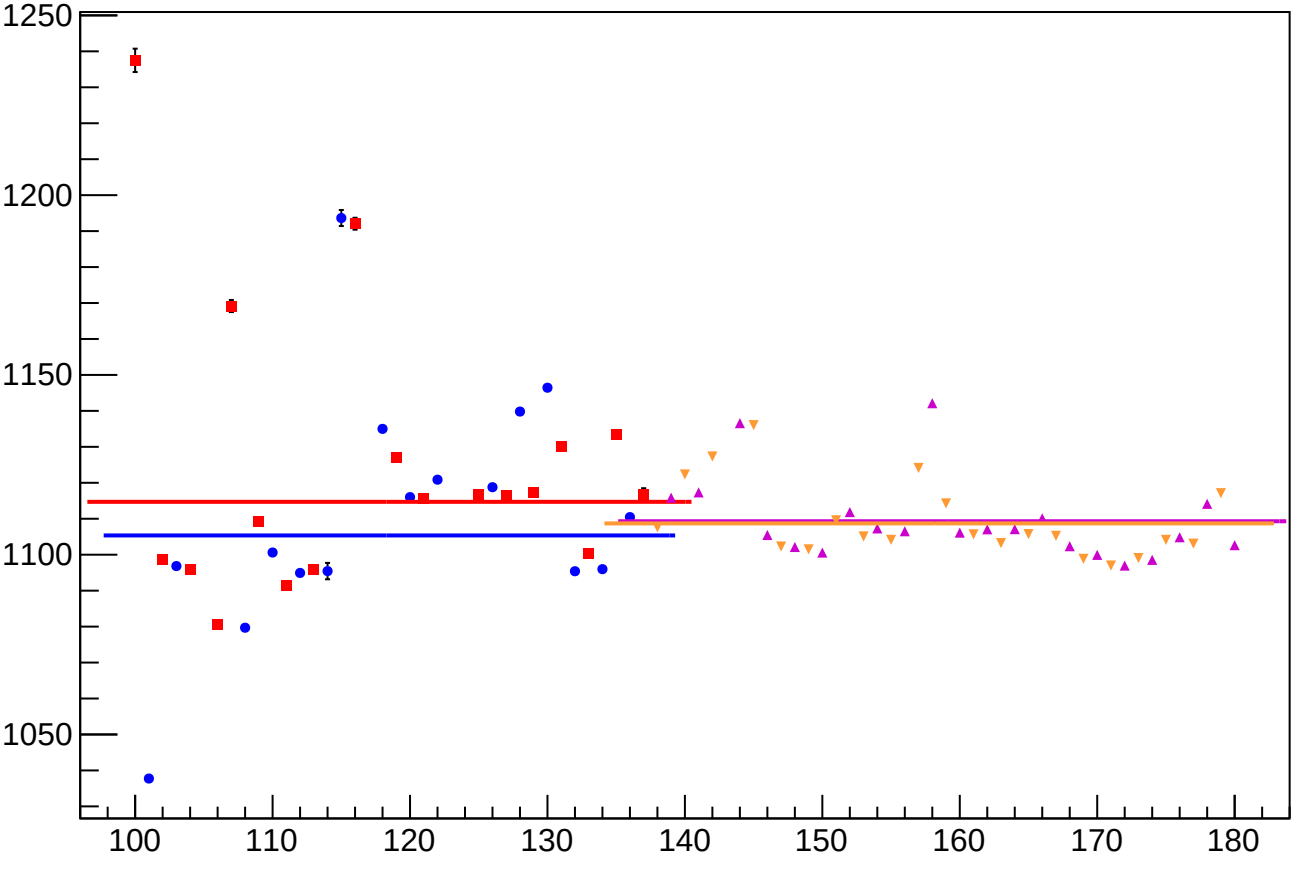
Left In: -1812.457+/-267.068 χ^2/NDF:21.1/20

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

All: -134.507+/-159.244 χ^2/NDF: 179.2/75

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

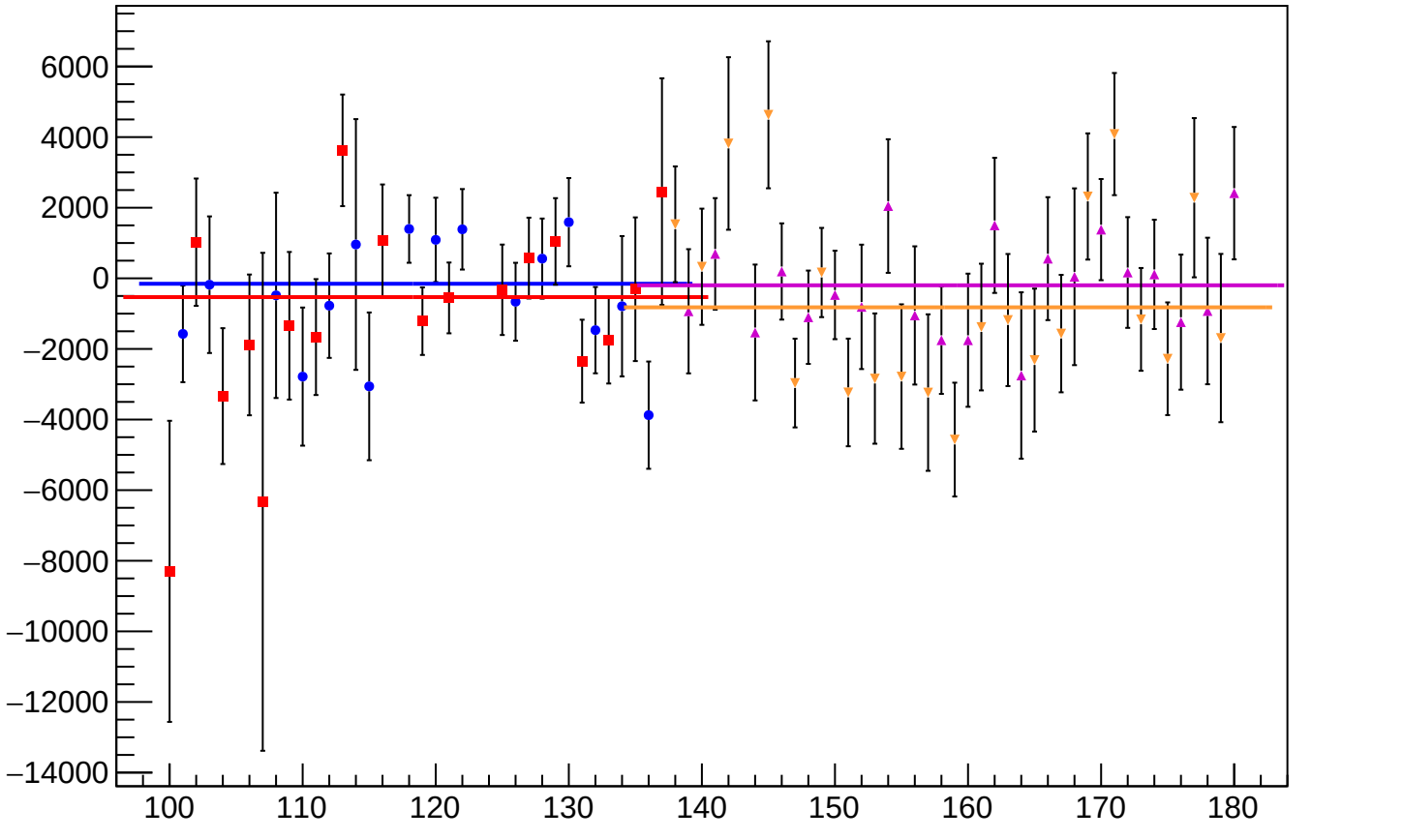
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

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

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

All: 1109.315+/-0.113 χ^2/NDF: 25409.8/75

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

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

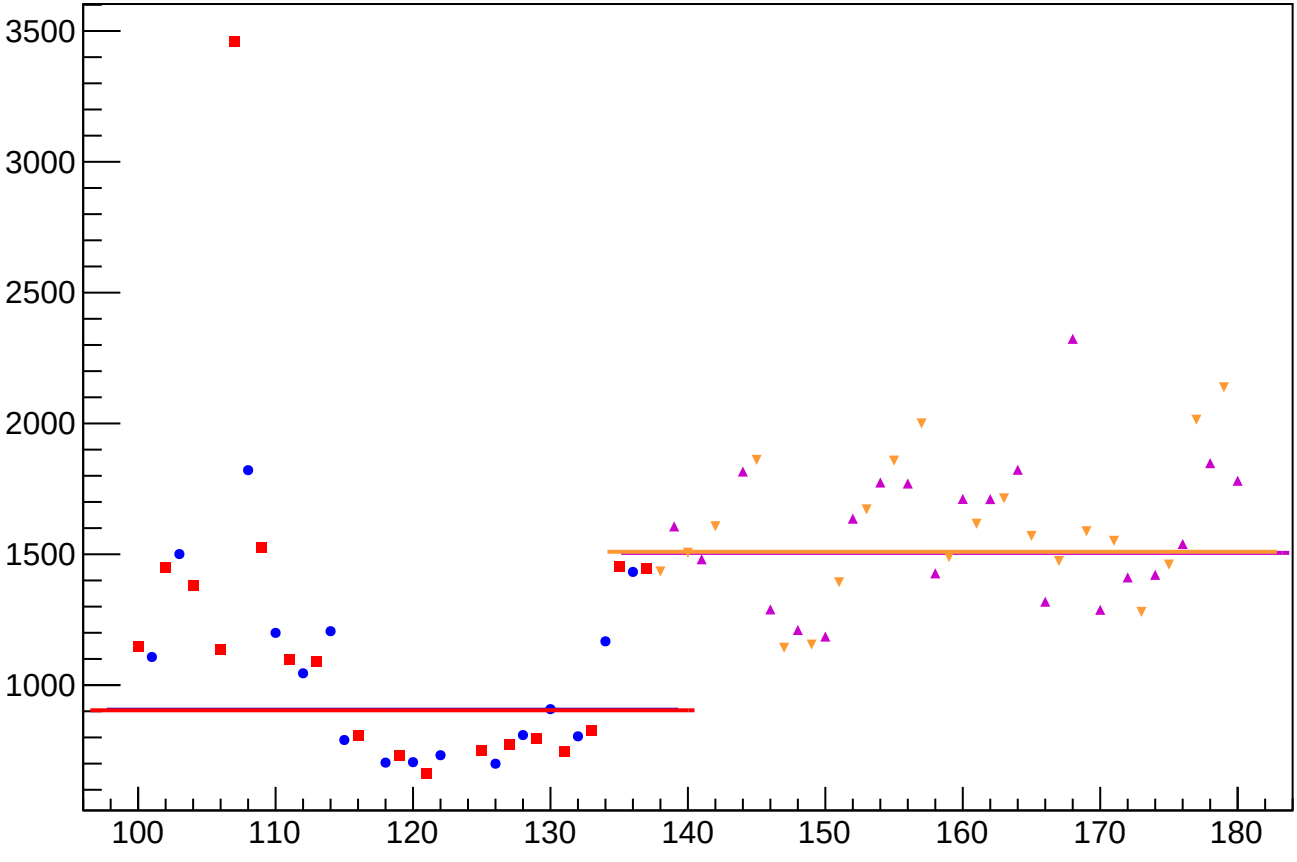
Left In: -197.767+/-368.563 χ^2/NDF:10.8/20

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

All: -418.287+/-180.643 χ^2/NDF: 99.4/75

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

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

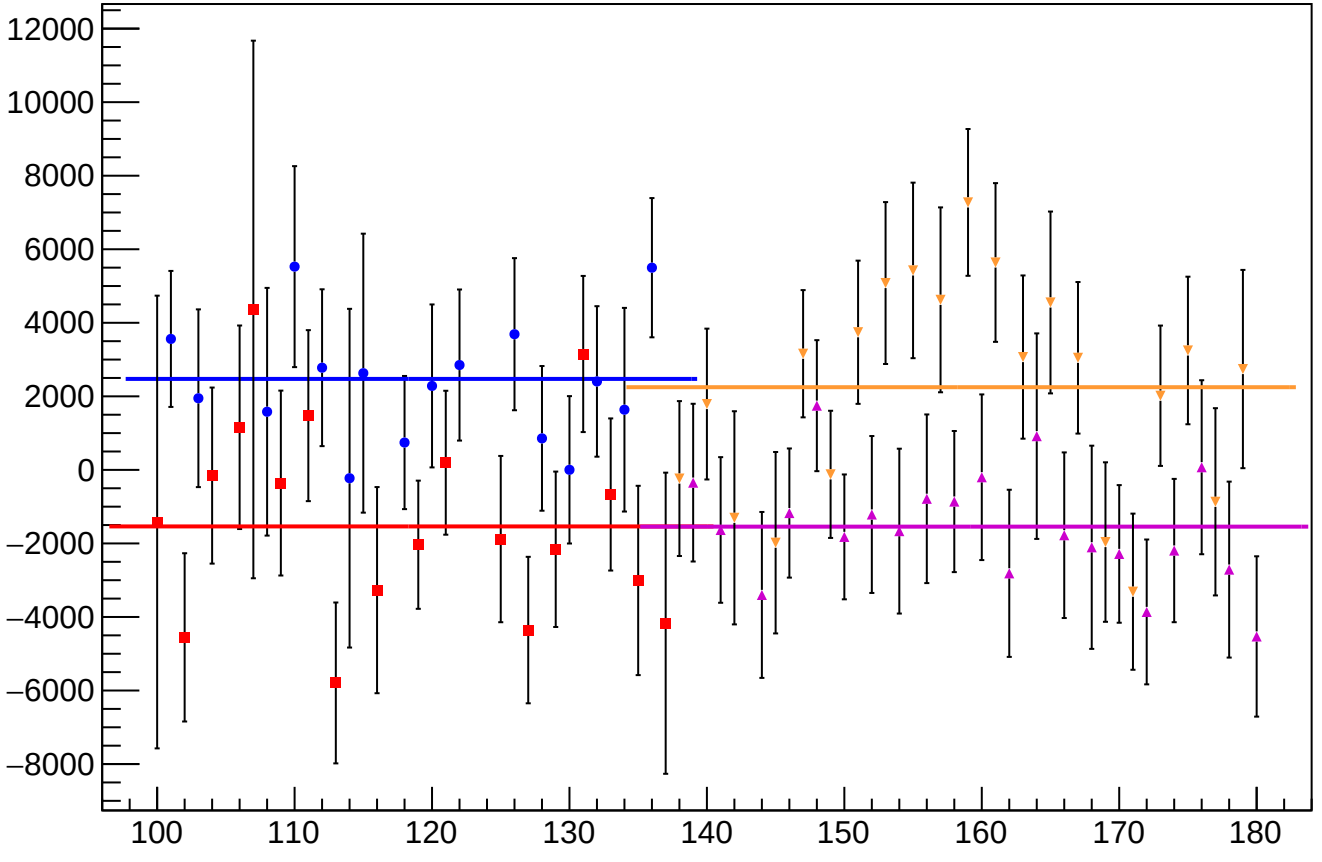
Left In: 1505.355+/-0.261 χ^2/NDF:910137.2/20

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

All: 1188.003+/-0.128 χ^2/NDF: 9778455.2/75

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

asym_usl_mean vs Slug



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

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

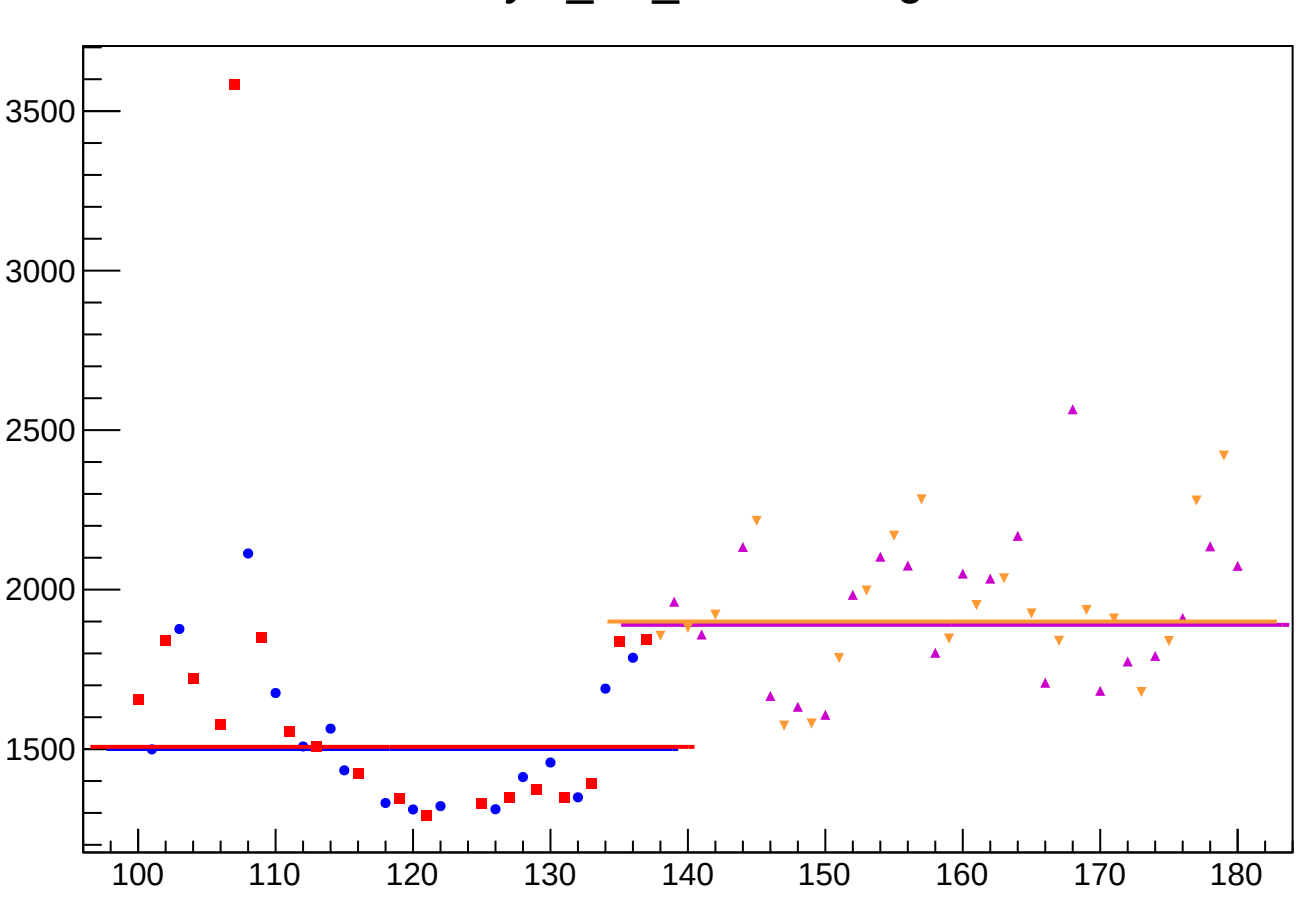
Right Out: -1537.435+/-563.556 χ^2/NDF: 18.5/17

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

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

All: 374.060+/-253.229 χ^2/NDF: 131.4/75

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



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

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

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

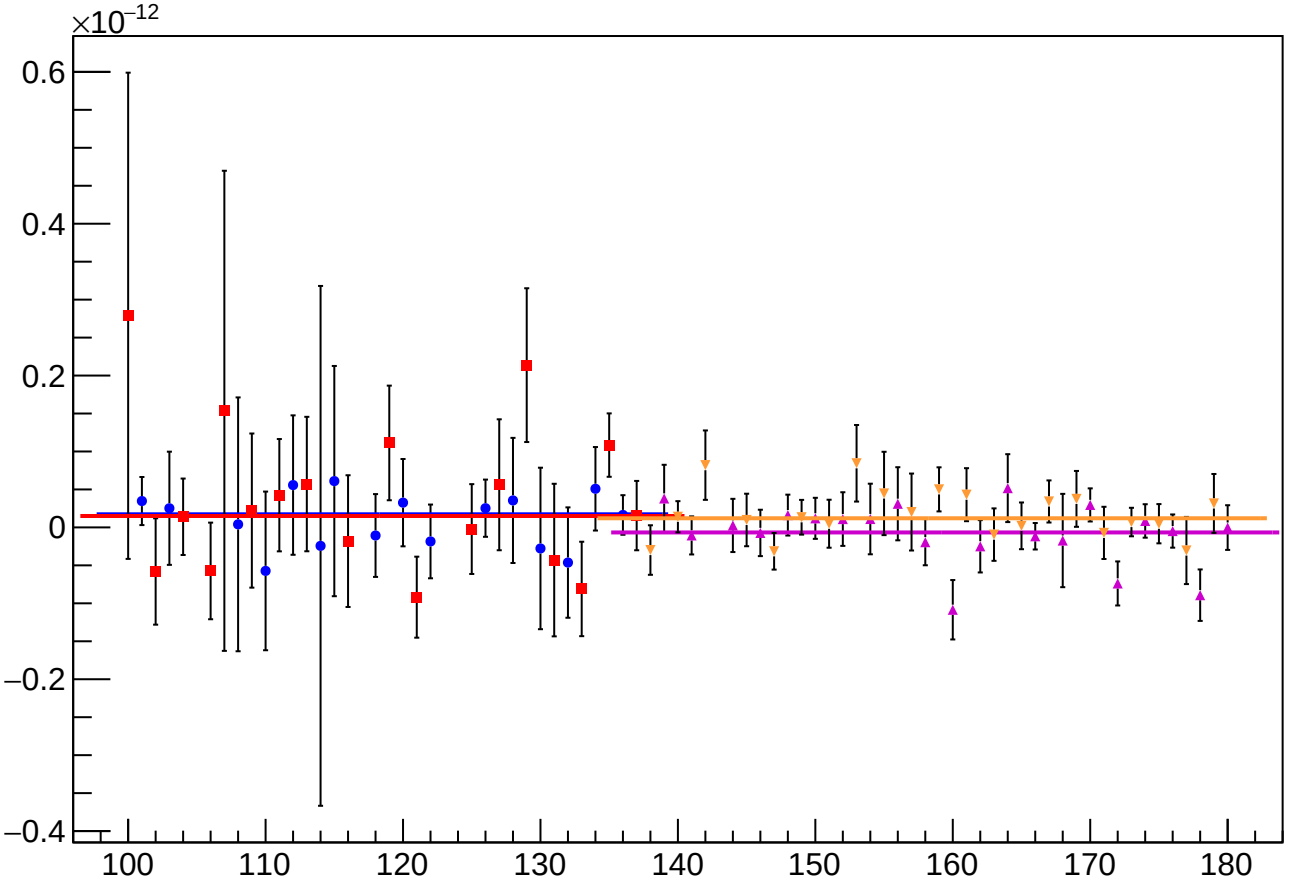
Left In: 1889.530+/-0.324 χ^2/NDF:437271.8/20

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

All: 1736.579+/-0.179 χ^2/NDF: 2661961.1/75

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

asym_usl_reg_vs_cor_diff_mean vs Slug



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

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

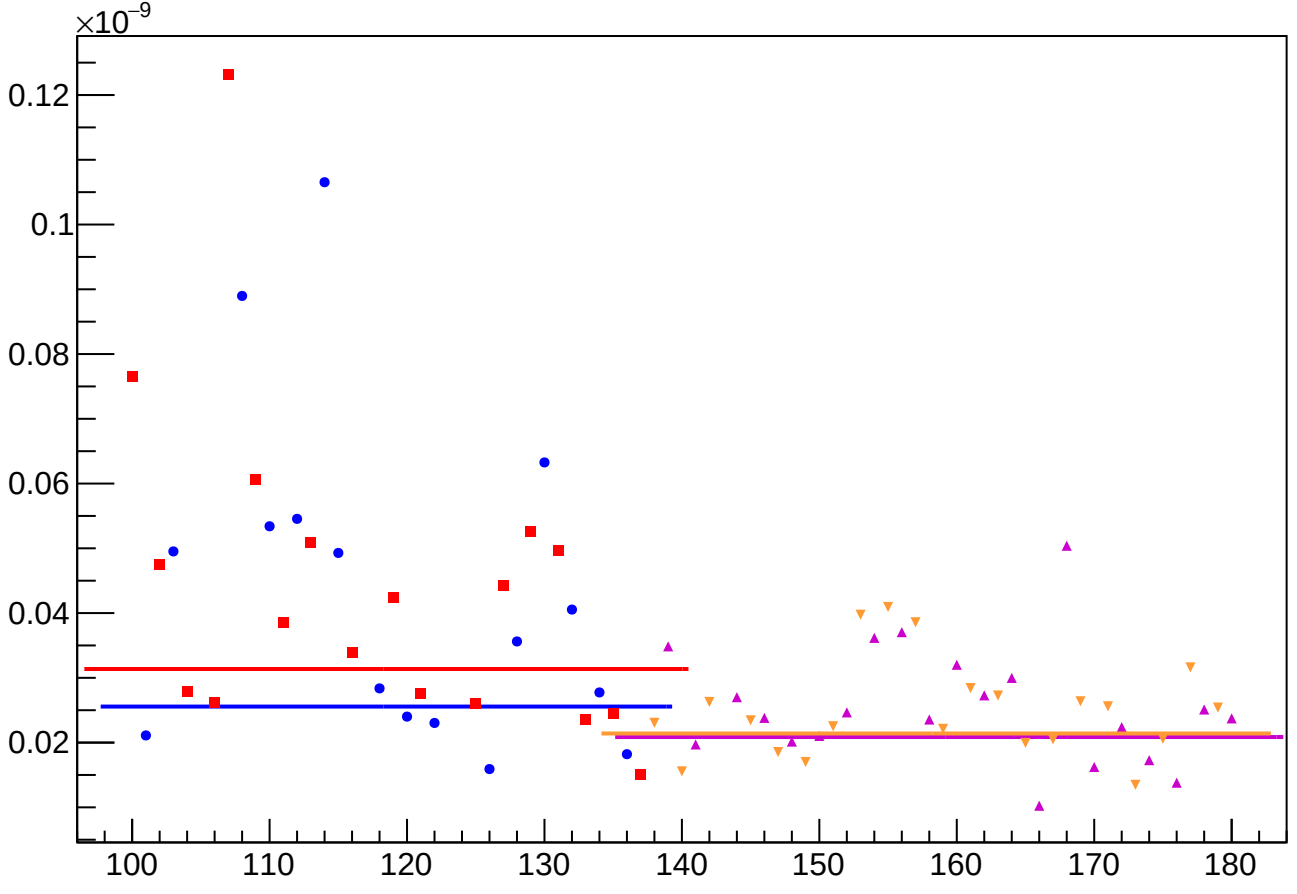
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 19.0/36

All: 0.000+/-0.000 χ^2/NDF: 72.8/75

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



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

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

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

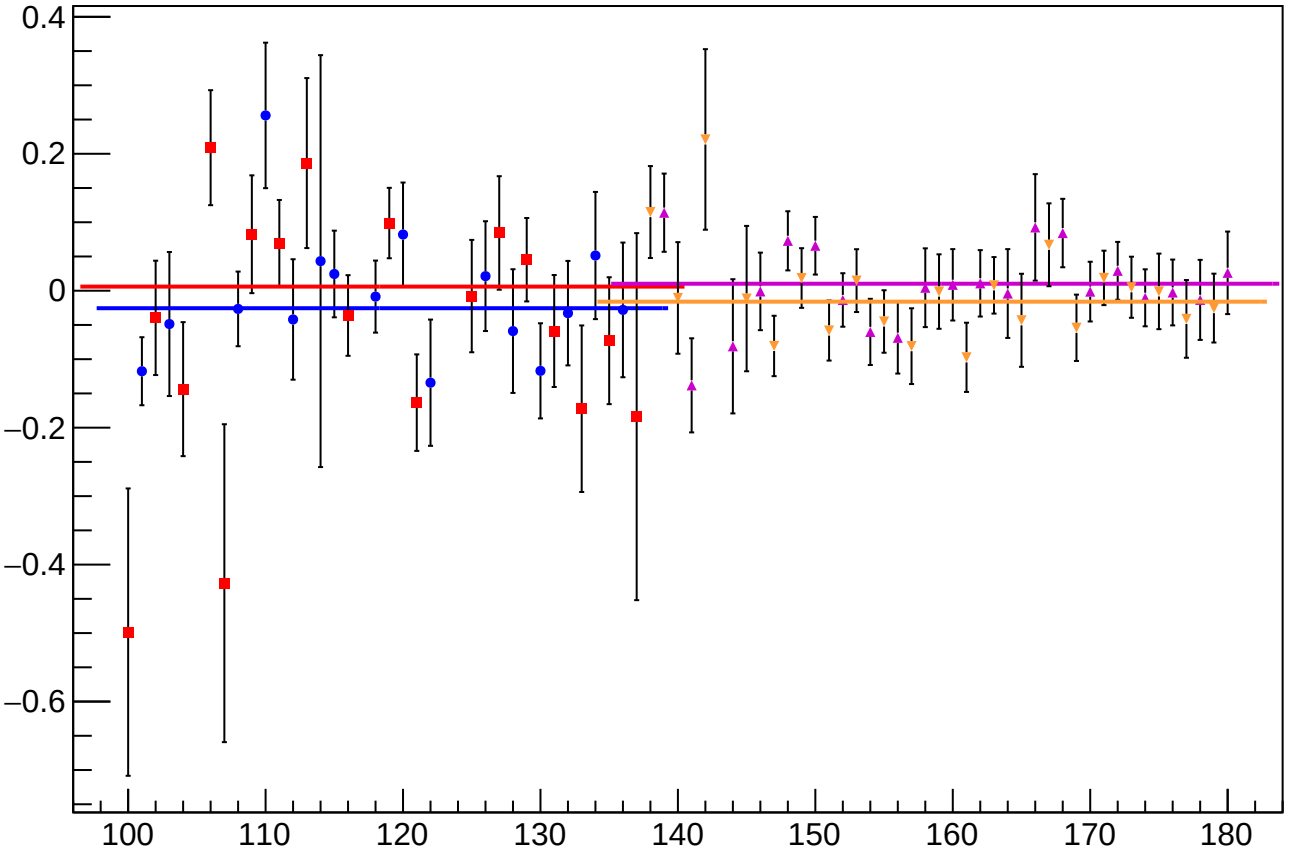
Left In: 0.000+/-0.000 χ^2/NDF:2692724.2/20

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

All: 0.000+/-0.000 χ^2/NDF: 8265879.7/75

- sign 0.000+/-0.000 χ^2/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: -0.016+/-0.011 χ^2/NDF:19.9/20

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

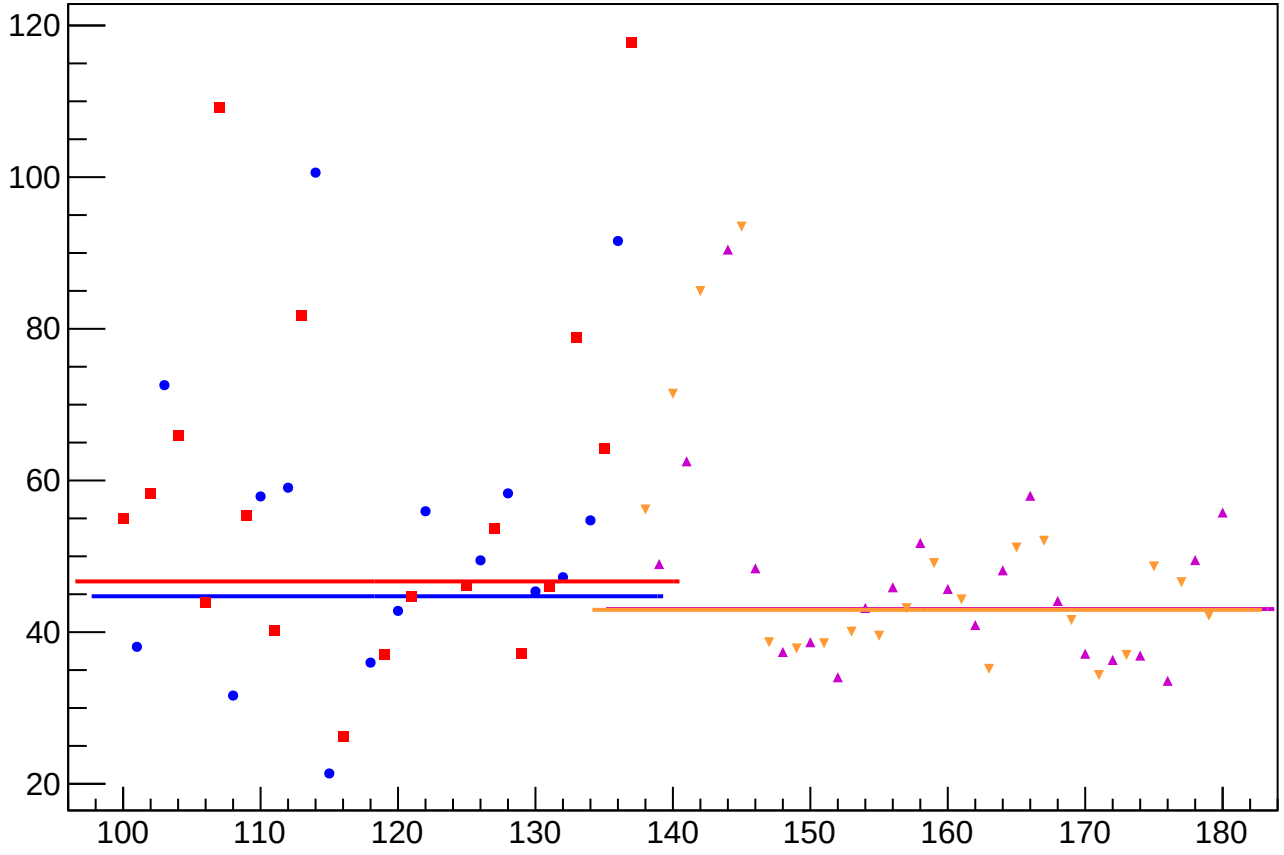
Left In: 0.010+/-0.011 χ^2/NDF:21.7/20

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

All: -0.005+/-0.007 χ^2/NDF: 100.1/75

- 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: 42.945+/-0.008 χ^2/NDF:1397871.6/20

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

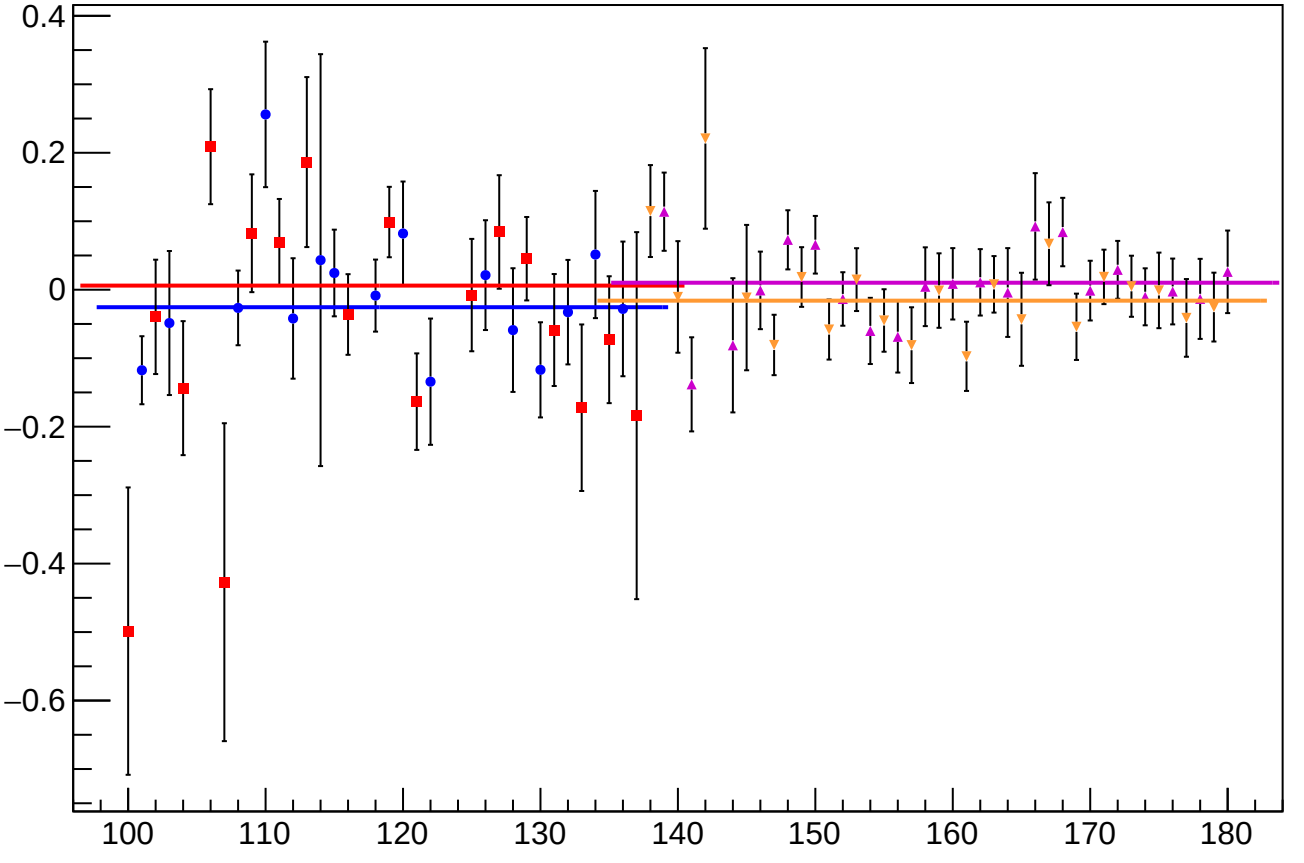
Left In: 43.048+/-0.008 χ^2/NDF:1299665.5/20

+ sign 43.424+/-0.007 χ^2/NDF: 2745707.3/36

All: 43.689+/-0.005 χ^2/NDF: 5296865.6/75

- 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: -0.016+/-0.011 χ^2/NDF:19.9/20

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

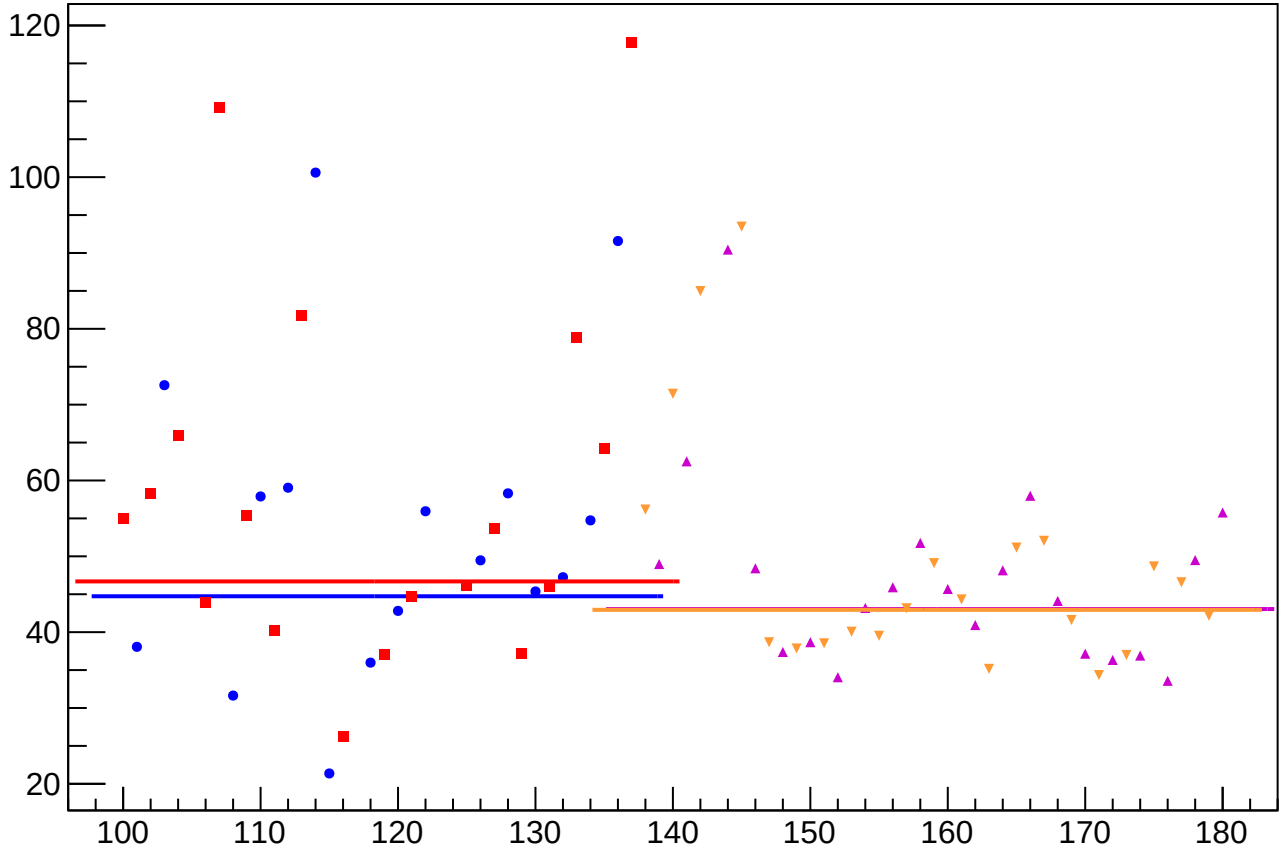
Left In: 0.010+/-0.011 χ^2/NDF:21.7/20

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

All: -0.005+/-0.007 χ^2/NDF: 100.1/75

- 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: 42.945+/-0.008 χ^2/NDF:1397871.6/20

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

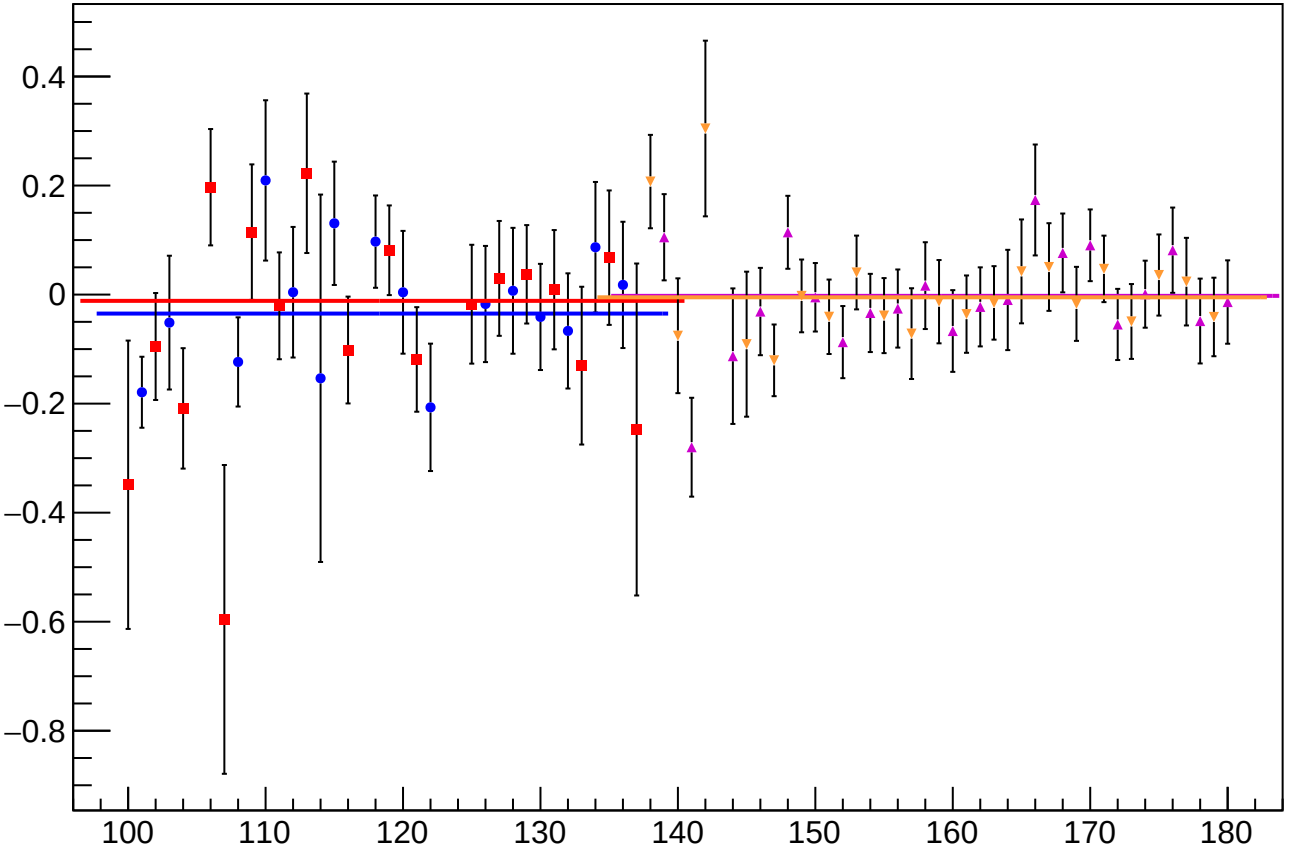
Left In: 43.048+/-0.008 χ^2/NDF:1299665.5/20

+ sign 43.424+/-0.007 χ^2/NDF: 2745707.3/36

All: 43.689+/-0.005 χ^2/NDF: 5296865.6/75

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

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.005+/-0.017 χ^2/NDF:18.2/20

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

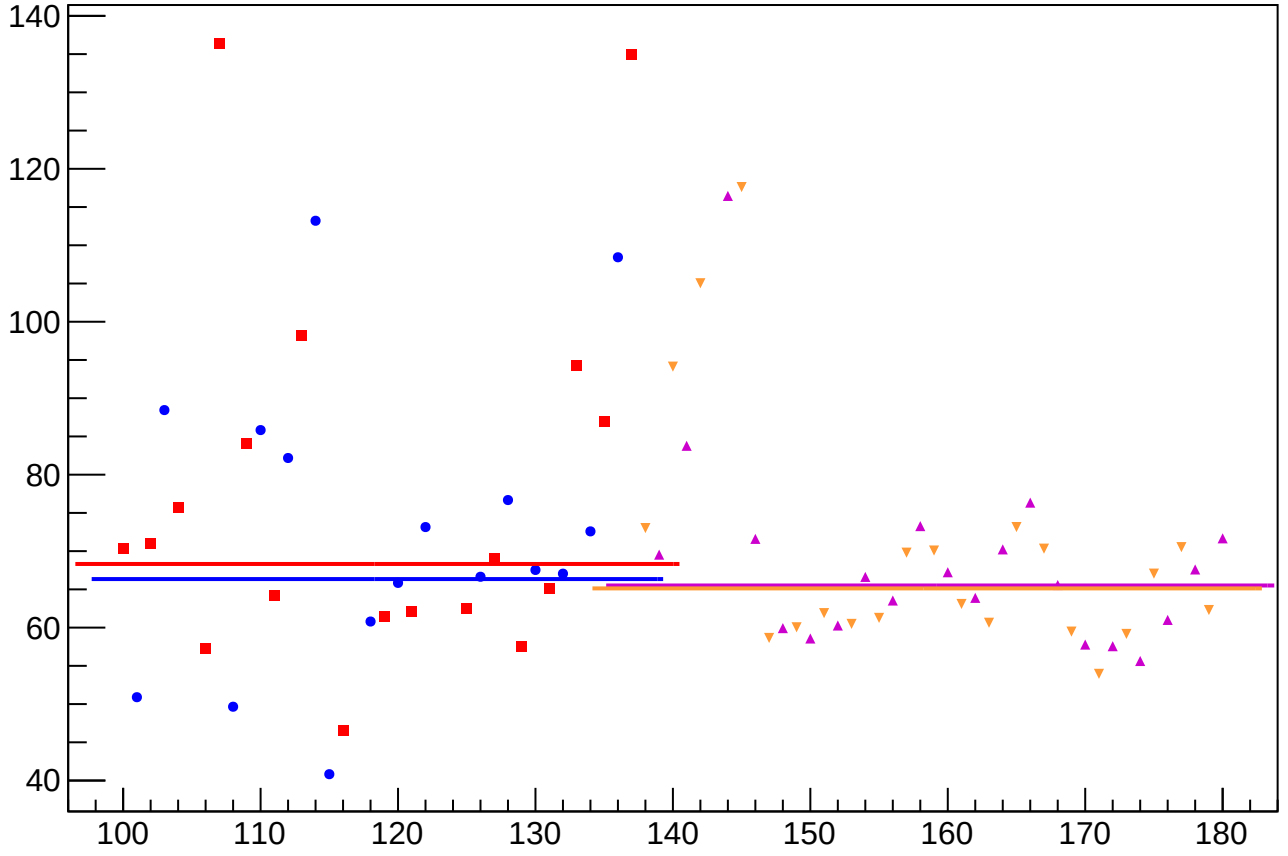
Left In: -0.002+/-0.016 χ^2/NDF:26.3/20

+ sign -0.013+/-0.014 χ^2/NDF: 36.6/36

All: -0.009+/-0.010 χ^2/NDF: 85.9/75

- 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: 65.126+/-0.012 χ^2/NDF:811345.0/20

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

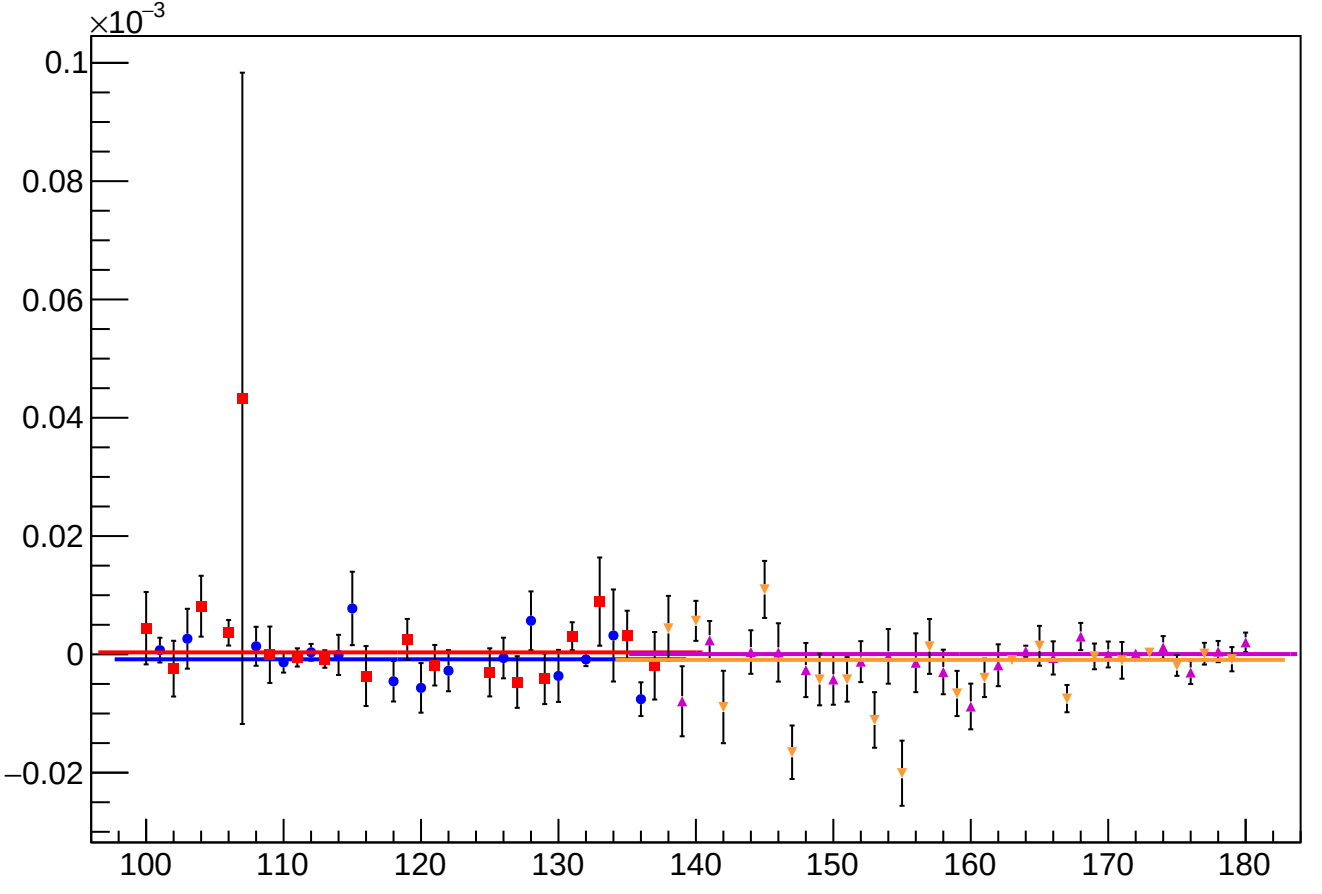
Left In: 65.509+/-0.012 χ^2/NDF:665682.8/20

+ sign 65.474+/-0.010 χ^2/NDF: 1587095.8/36

All: 65.871+/-0.007 χ^2/NDF: 2901647.3/75

- 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:58.4/20

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

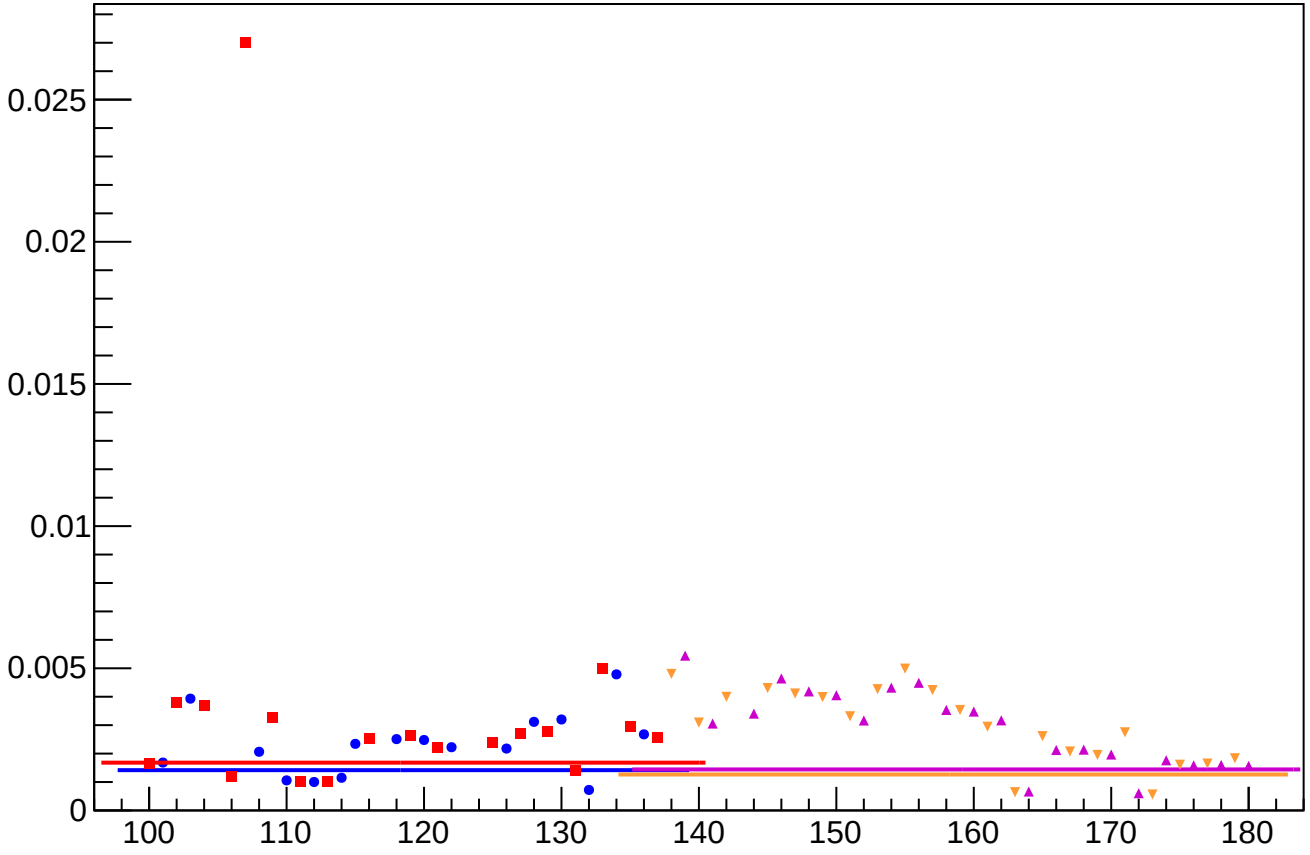
Left In: 0.000+/-0.000 χ^2/NDF:16.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 73.5/36

All: -0.000+/-0.000 χ^2/NDF: 108.9/75

- 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:13525857.1/20

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

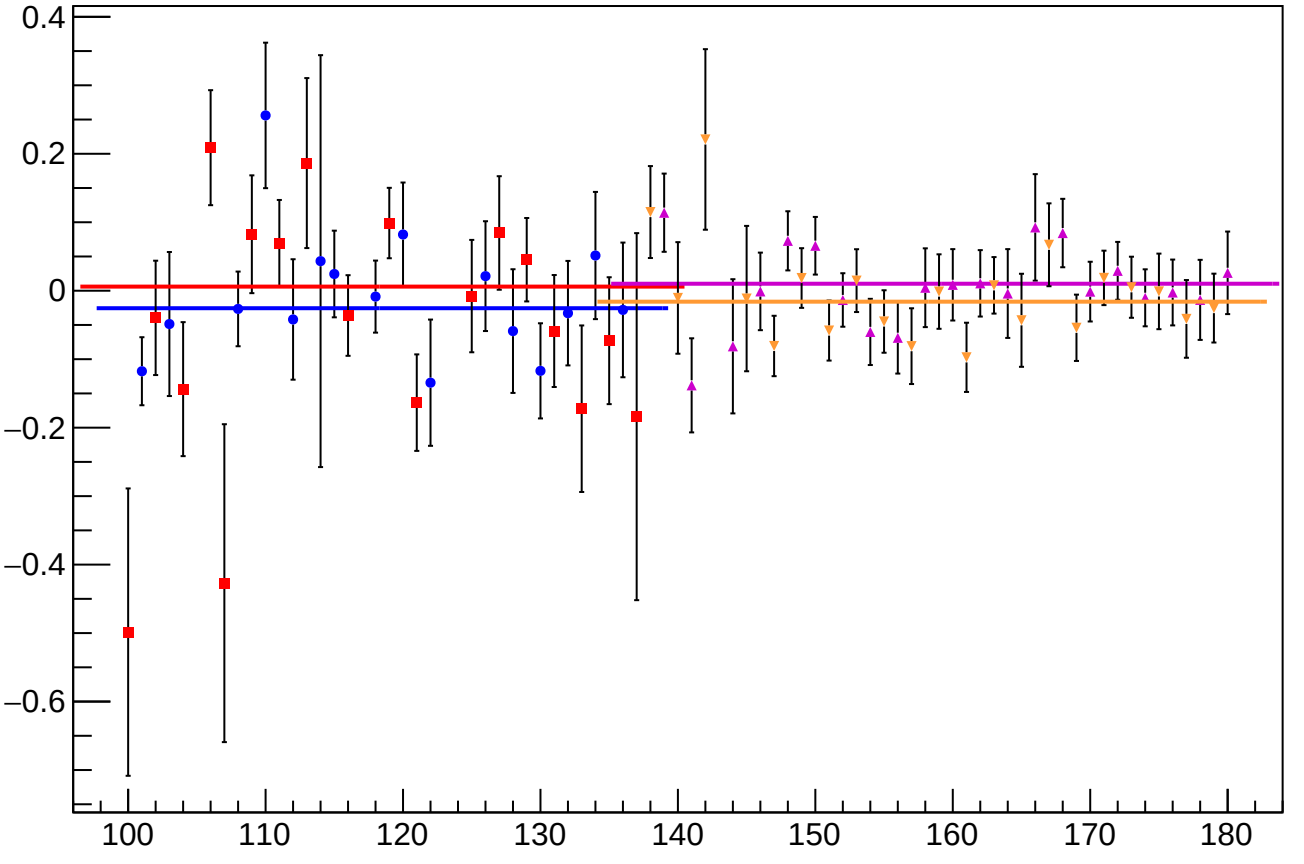
Left In: 0.001+/-0.000 χ^2/NDF:12006142.4/20

+ sign 0.001+/-0.000 χ^2/NDF: 17157745.1/36

All: 0.001+/-0.000 χ^2/NDF: 33045333.4/75

- 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: -0.016+/-0.011 χ^2/NDF:19.9/20

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

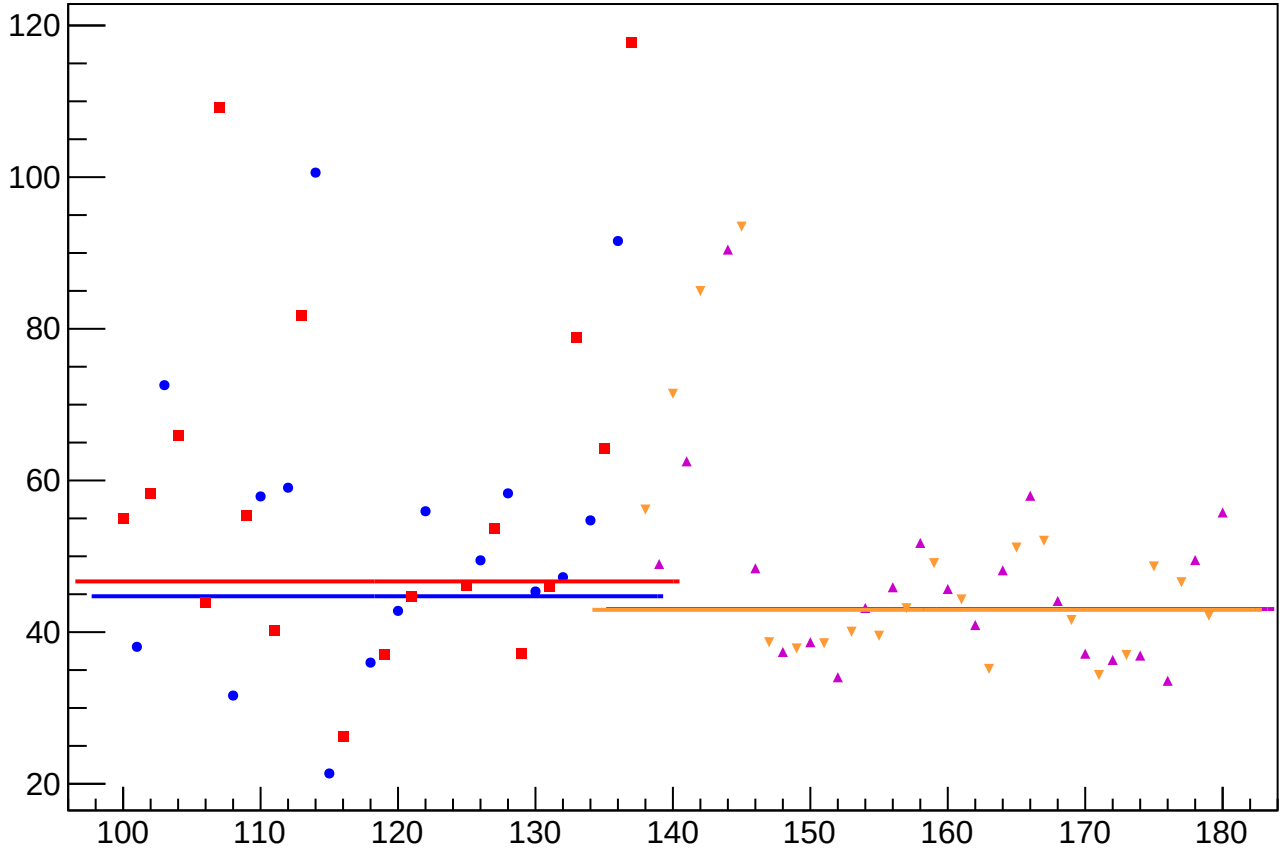
Left In: 0.010+/-0.011 χ^2/NDF:21.7/20

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

All: -0.005+/-0.007 χ^2/NDF: 100.1/75

- 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: 42.945+/-0.008 χ^2/NDF:1397839.5/20

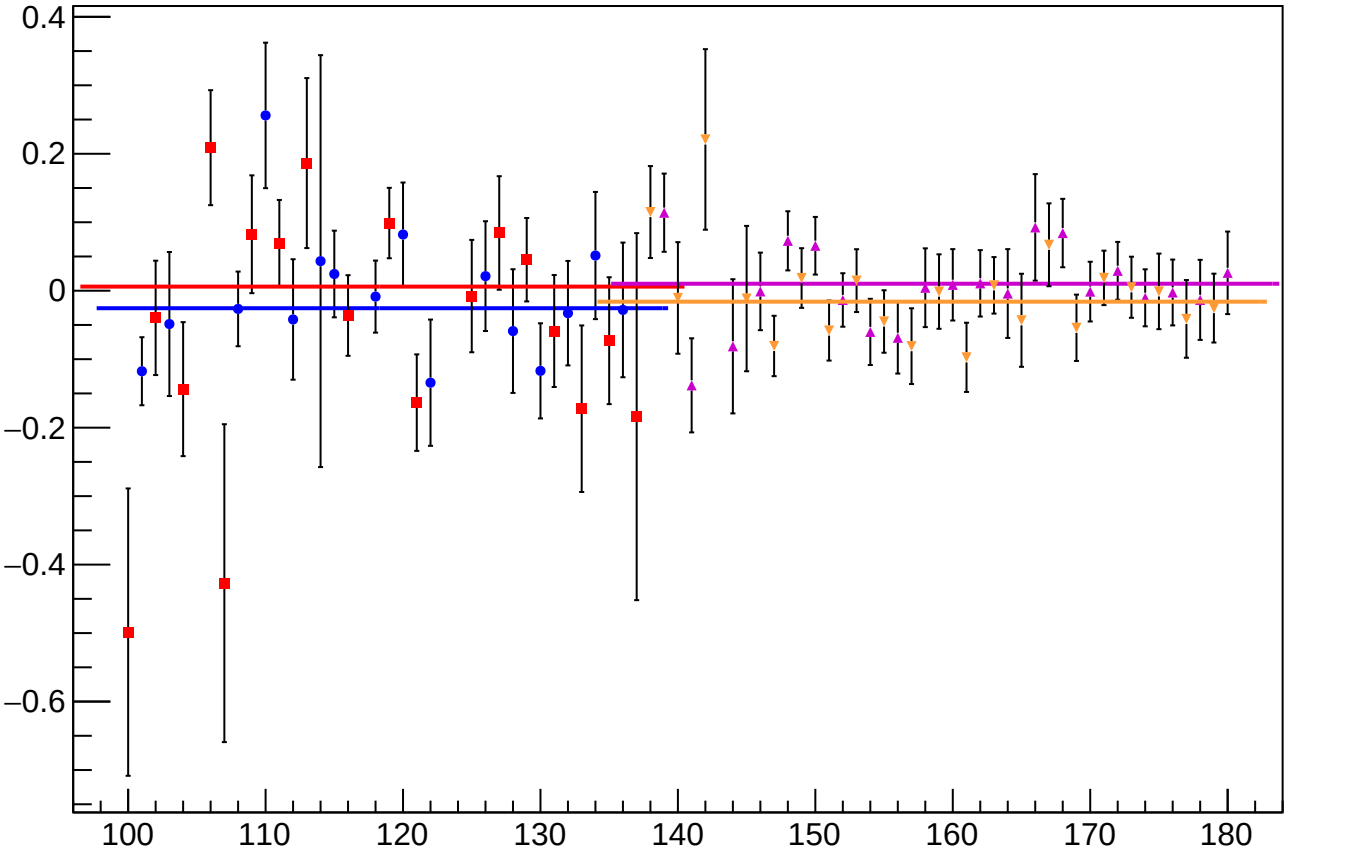
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.048+/-0.008 χ^2/NDF:1299612.8/20

+ sign 43.424+/-0.007 χ^2/NDF: 2745721.6/36

All: 43.689+/-0.005 χ^2/NDF: 5296832.7/75

- 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: -0.016+/-0.011 χ^2/NDF:19.9/20

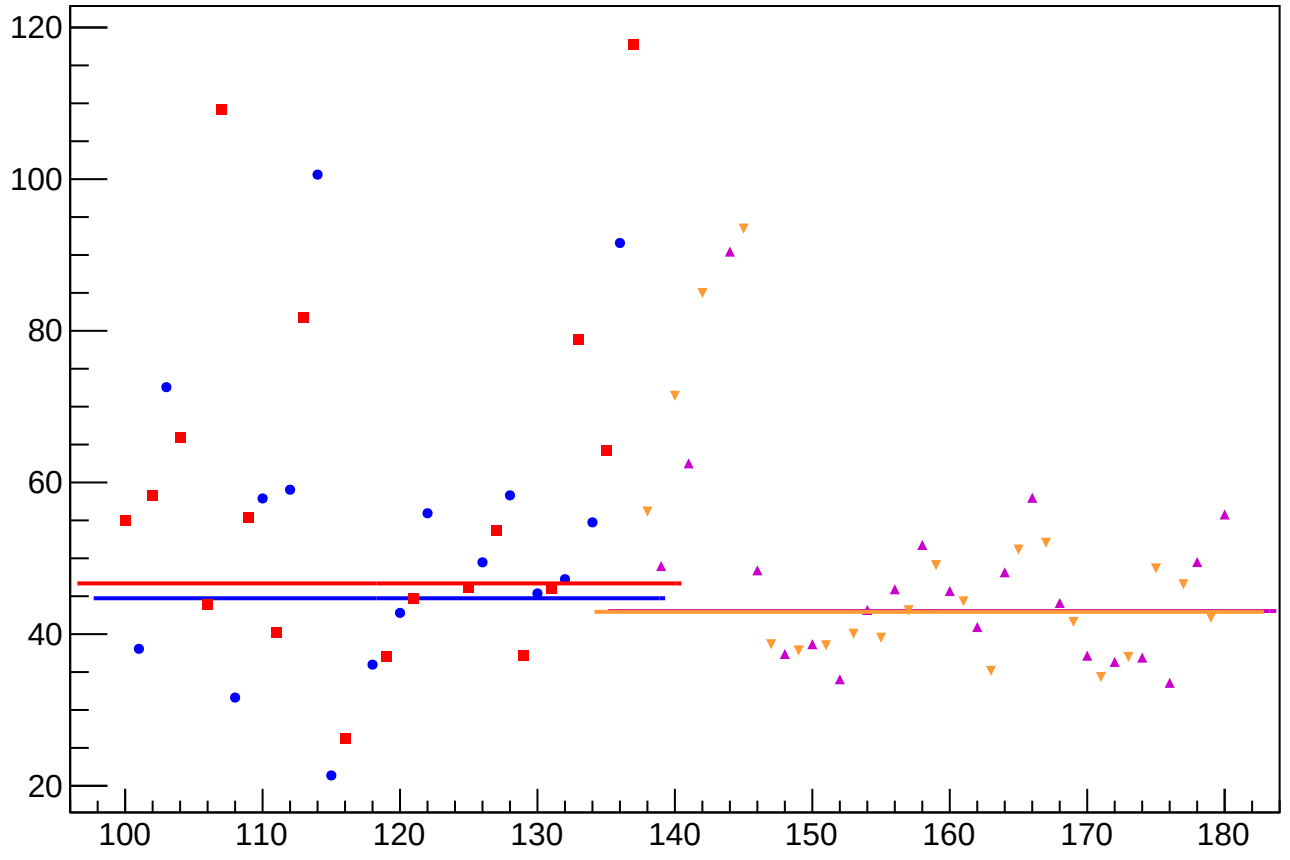
Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

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

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

All: -0.005+/-0.007 χ^2/NDF: 100.1/75

- sign 0.009+/-0.010 χ^2/NDF: 58.2/38



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

Left Out: 42.945+/-0.008 χ^2/NDF:1397839.5/20

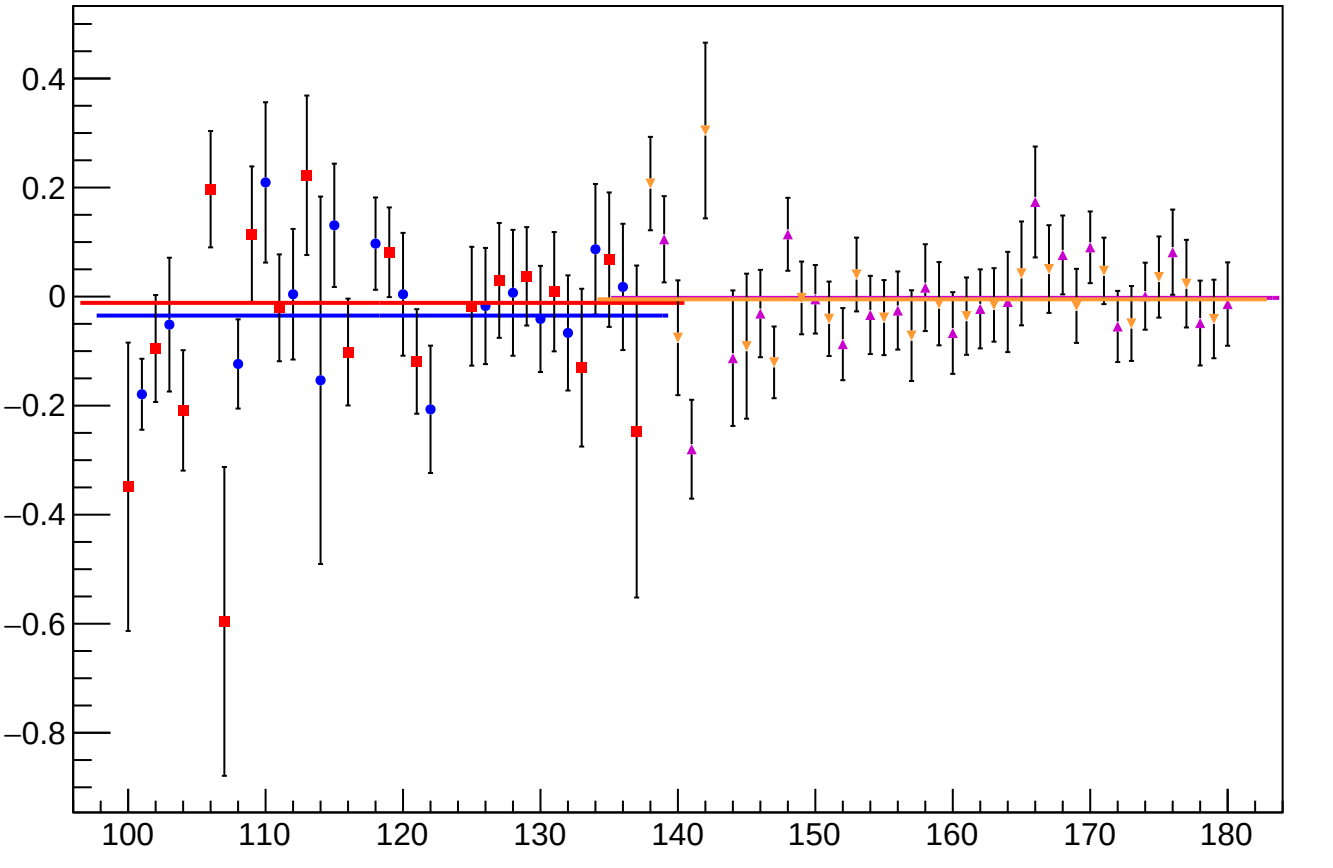
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.048+/-0.008 χ^2/NDF:1299612.8/20

+ sign 43.424+/-0.007 χ^2/NDF: 2745721.6/36

All: 43.689+/-0.005 χ^2/NDF: 5296832.7/75

- 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: -0.005+/-0.017 χ^2/NDF:18.2/20

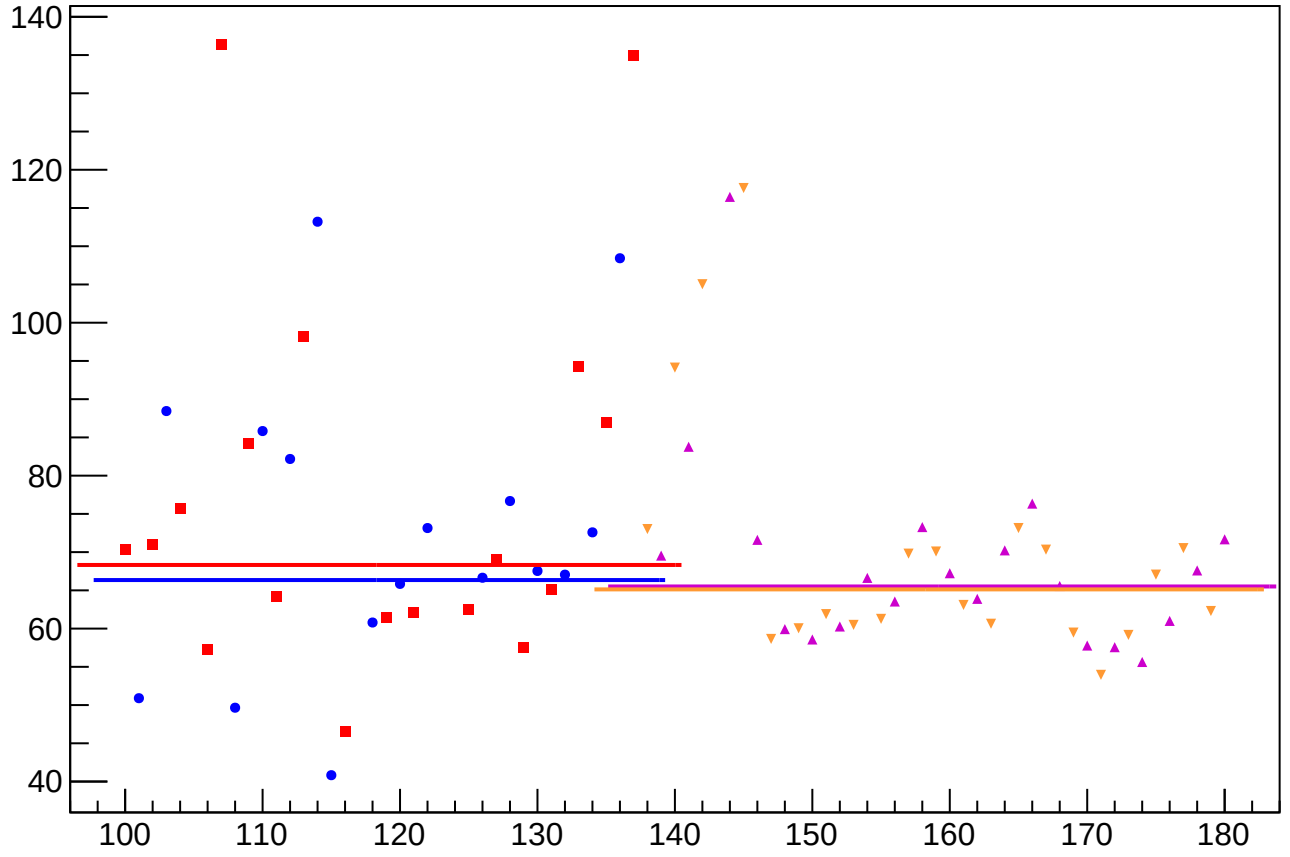
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.002+/-0.016 χ^2/NDF:26.3/20

+ sign -0.013+/-0.014 χ^2/NDF: 36.6/36

All: -0.009+/-0.010 χ^2/NDF: 85.9/75

- 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: 65.126+/-0.012 χ^2/NDF:811333.2/20

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

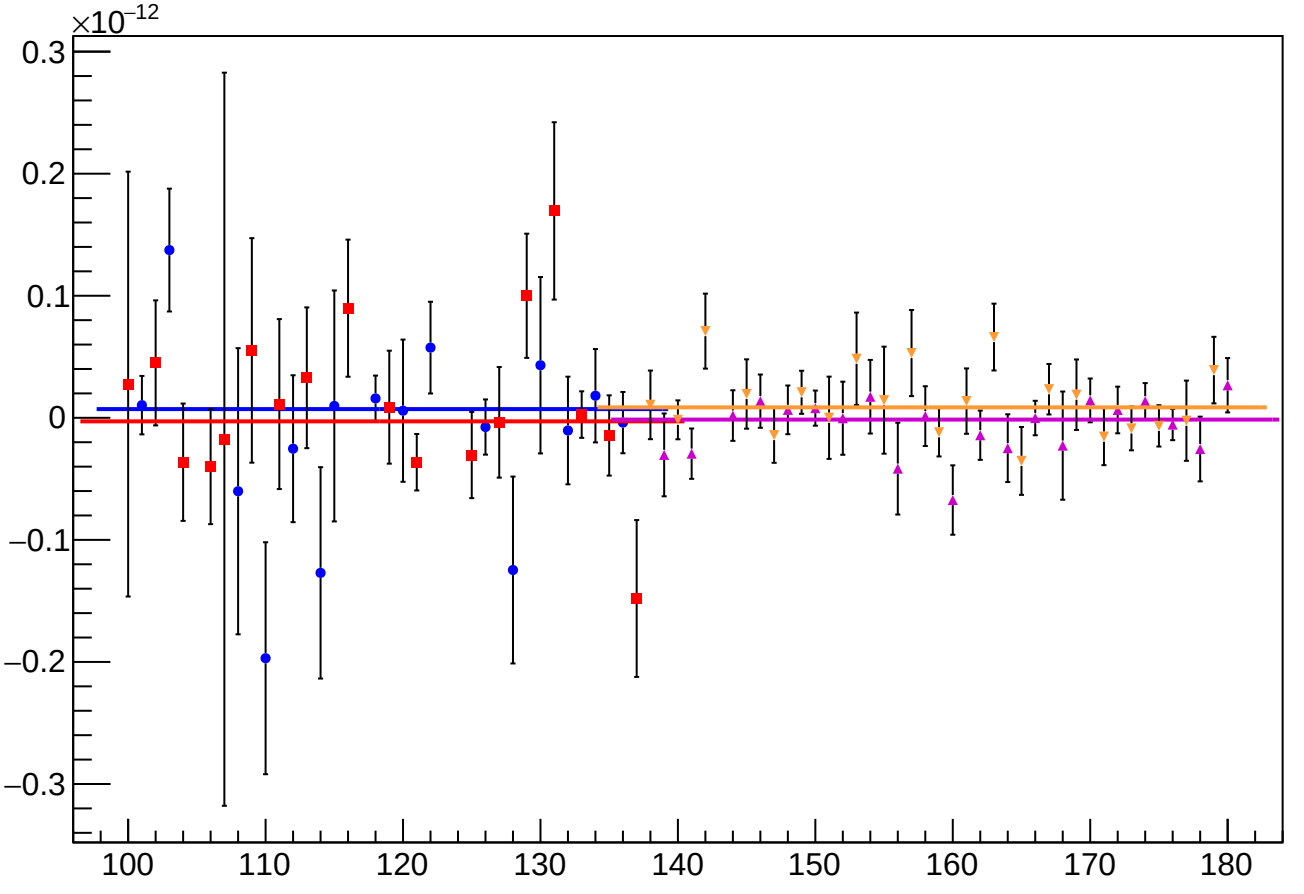
Left In: 65.509+/-0.012 χ^2/NDF:665673.9/20

+ sign 65.474+/-0.010 χ^2/NDF: 1587088.3/36

All: 65.871+/-0.007 χ^2/NDF: 2901617.2/75

- 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:21.8/20

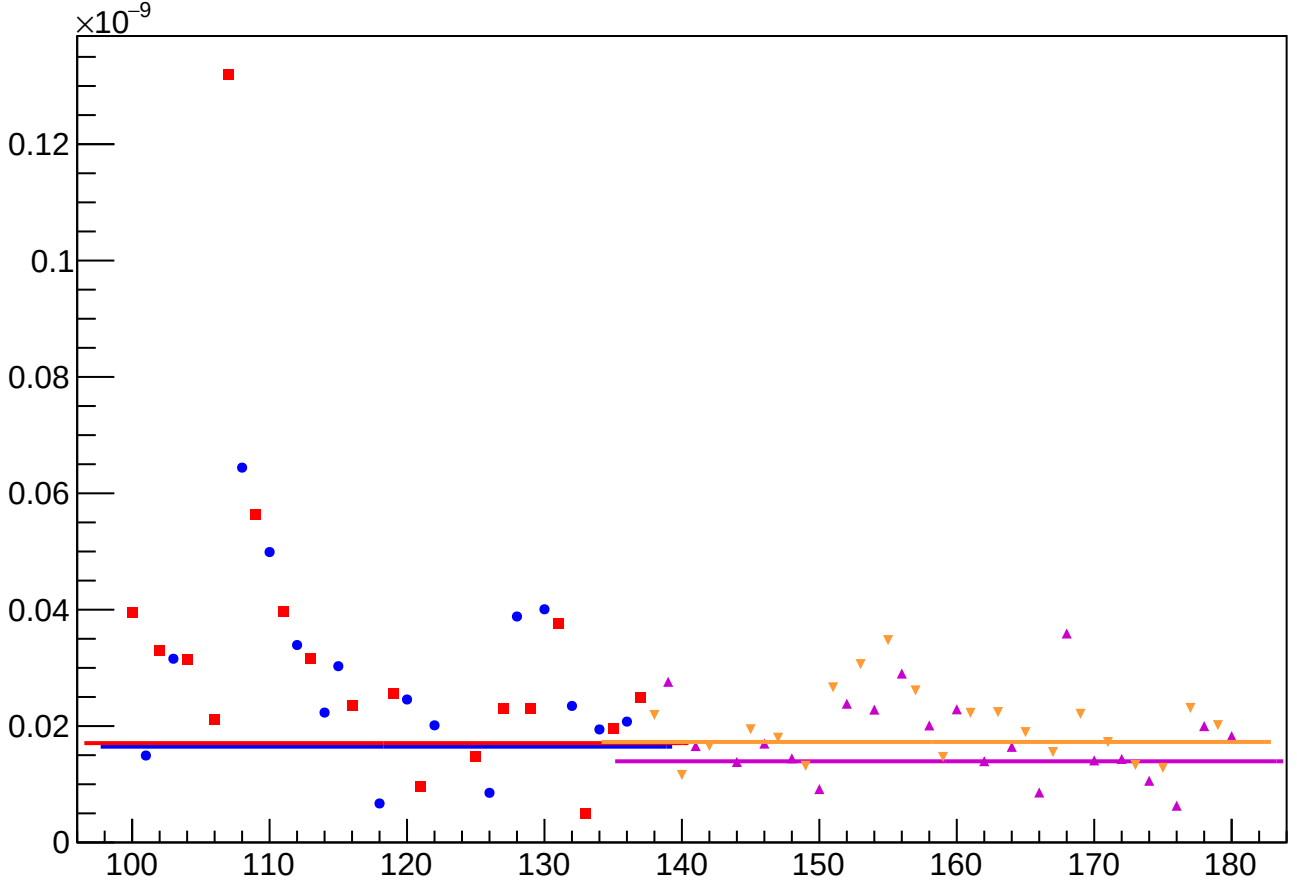
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:16.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 42.2/36

All: 0.000+/-0.000 χ^2/NDF: 84.7/75

- sign -0.000+/-0.000 χ^2/NDF: 39.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1852288.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

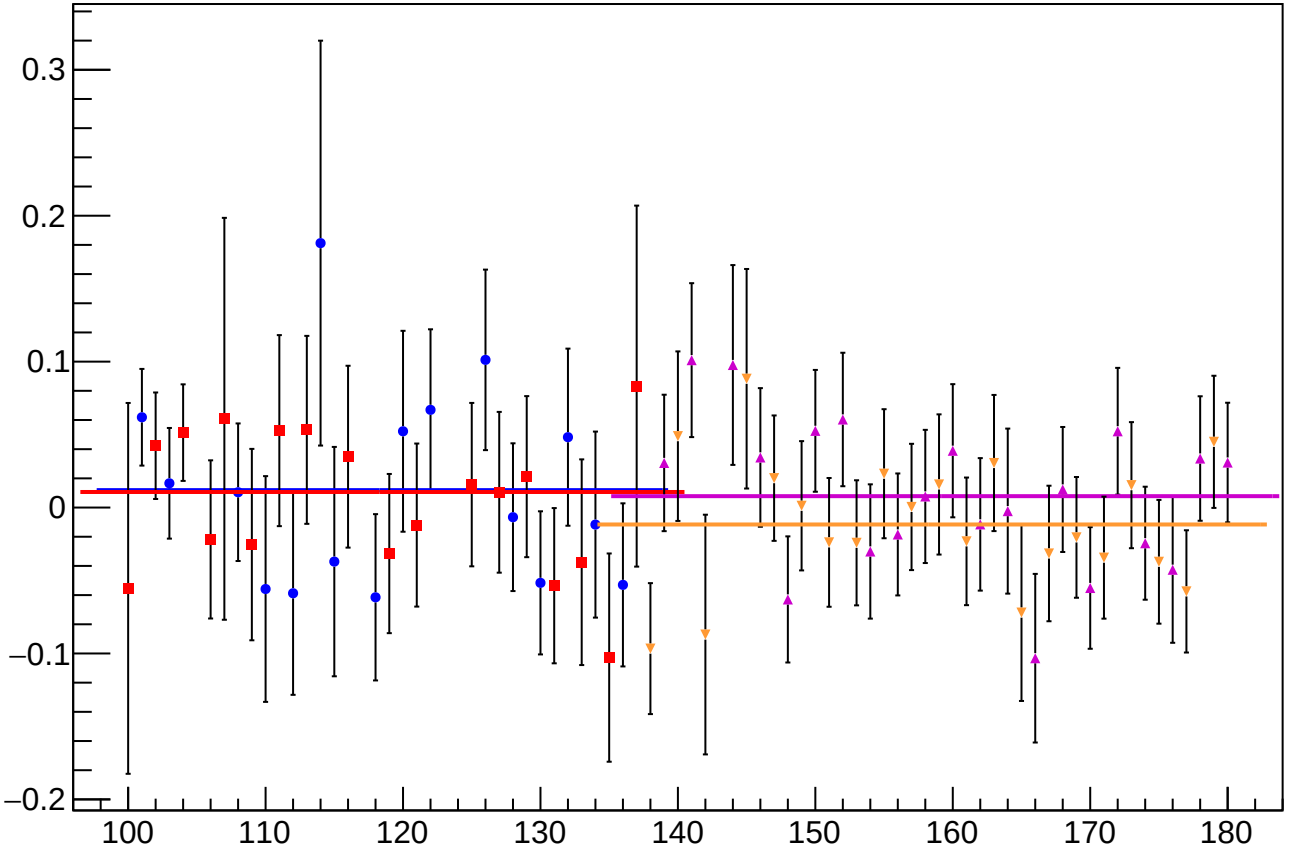
Left In: 0.000+/-0.000 χ^2/NDF:3446171.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 4209939.0/36

All: 0.000+/-0.000 χ^2/NDF: 10975000.8/75

- sign 0.000+/-0.000 χ^2/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: -0.012+/-0.010 χ^2/NDF:15.0/20

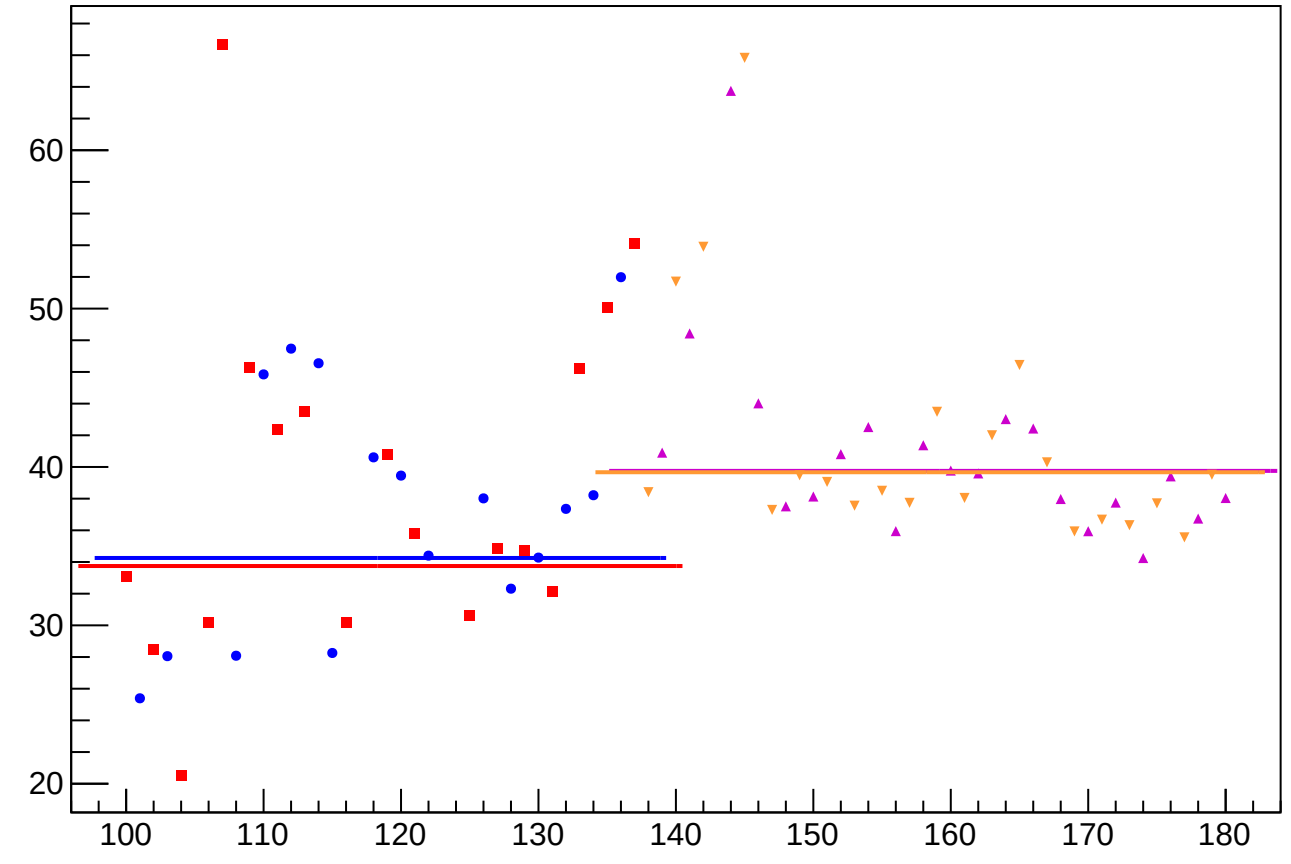
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.008+/-0.010 χ^2/NDF:21.7/20

+ sign -0.003+/-0.008 χ^2/NDF: 31.6/36

All: 0.003+/-0.006 χ^2/NDF: 64.4/75

- 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: 39.668+/-0.007 χ^2/NDF:514169.9/20

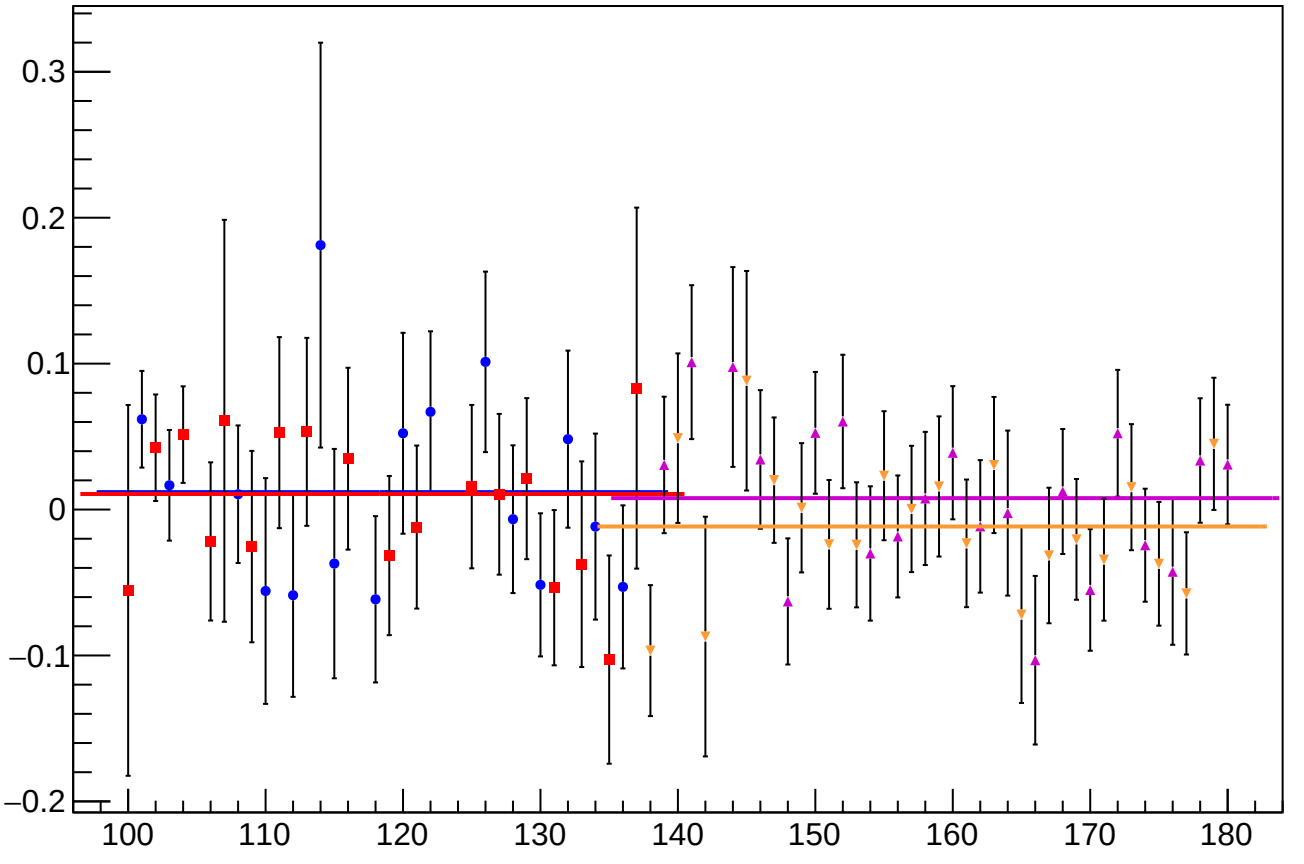
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 39.753+/-0.007 χ^2/NDF:442193.7/20

+ sign 37.737+/-0.006 χ^2/NDF: 1353622.7/36

All: 37.676+/-0.004 χ^2/NDF: 2965277.1/75

- 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: -0.012+/-0.010 χ^2/NDF:15.0/20

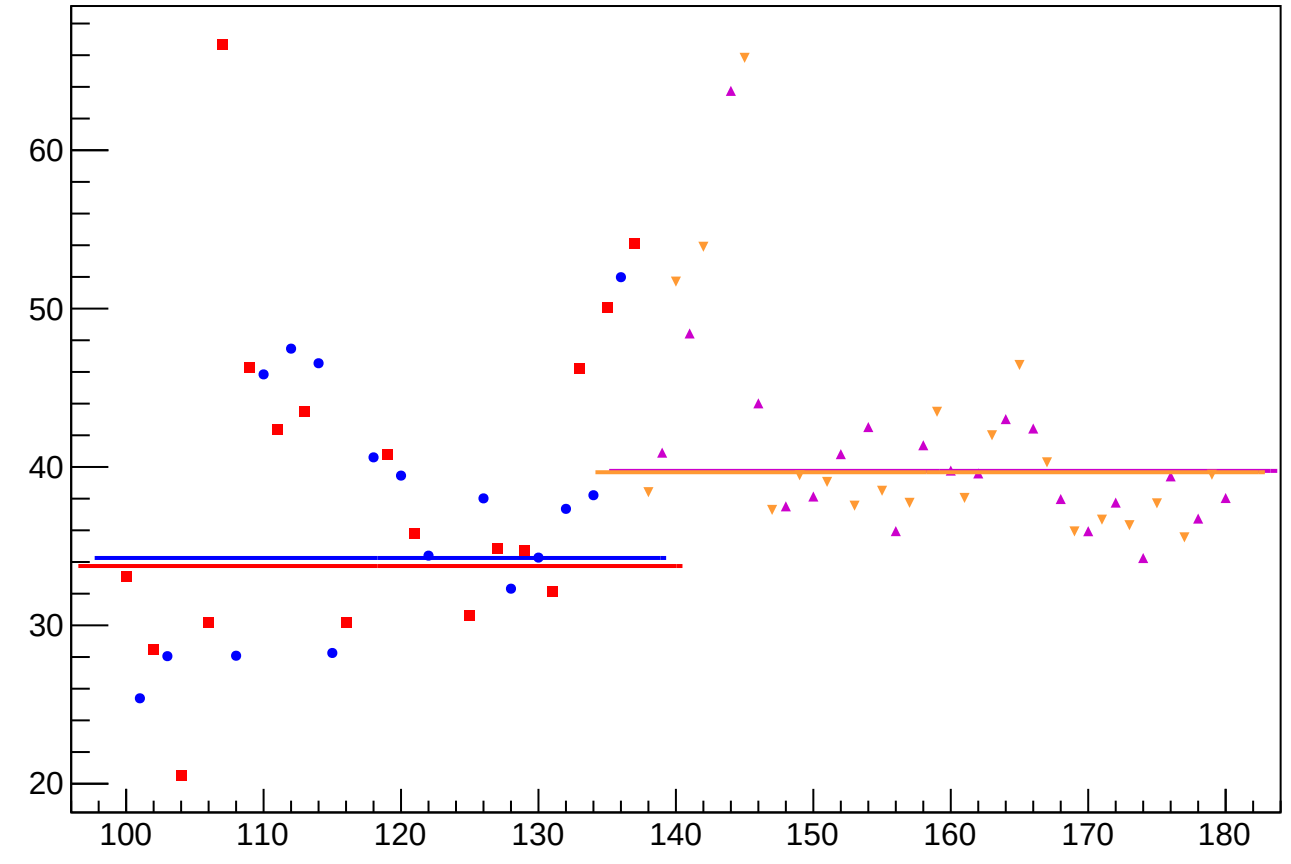
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.008+/-0.010 χ^2/NDF:21.7/20

+ sign -0.003+/-0.008 χ^2/NDF: 31.6/36

All: 0.003+/-0.006 χ^2/NDF: 64.4/75

- 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: 39.668+/-0.007 χ^2/NDF:514169.9/20

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

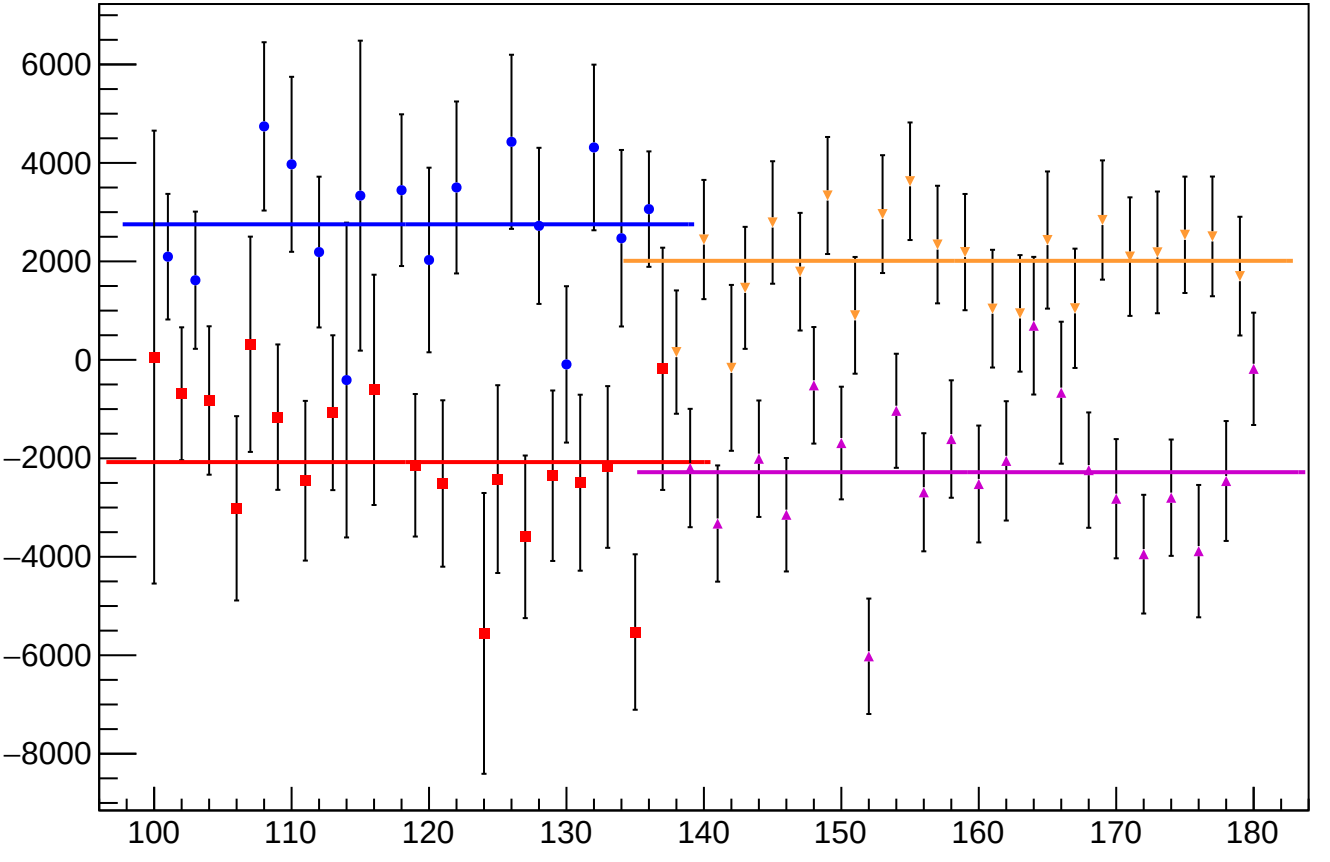
Left In: 39.753+/-0.007 χ^2/NDF:442193.7/20

+ sign 37.737+/-0.006 χ^2/NDF: 1353622.7/36

All: 37.676+/-0.004 χ^2/NDF: 2965277.1/75

- 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: 2011.368+/-261.509 χ^2/NDF:12.4/21

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

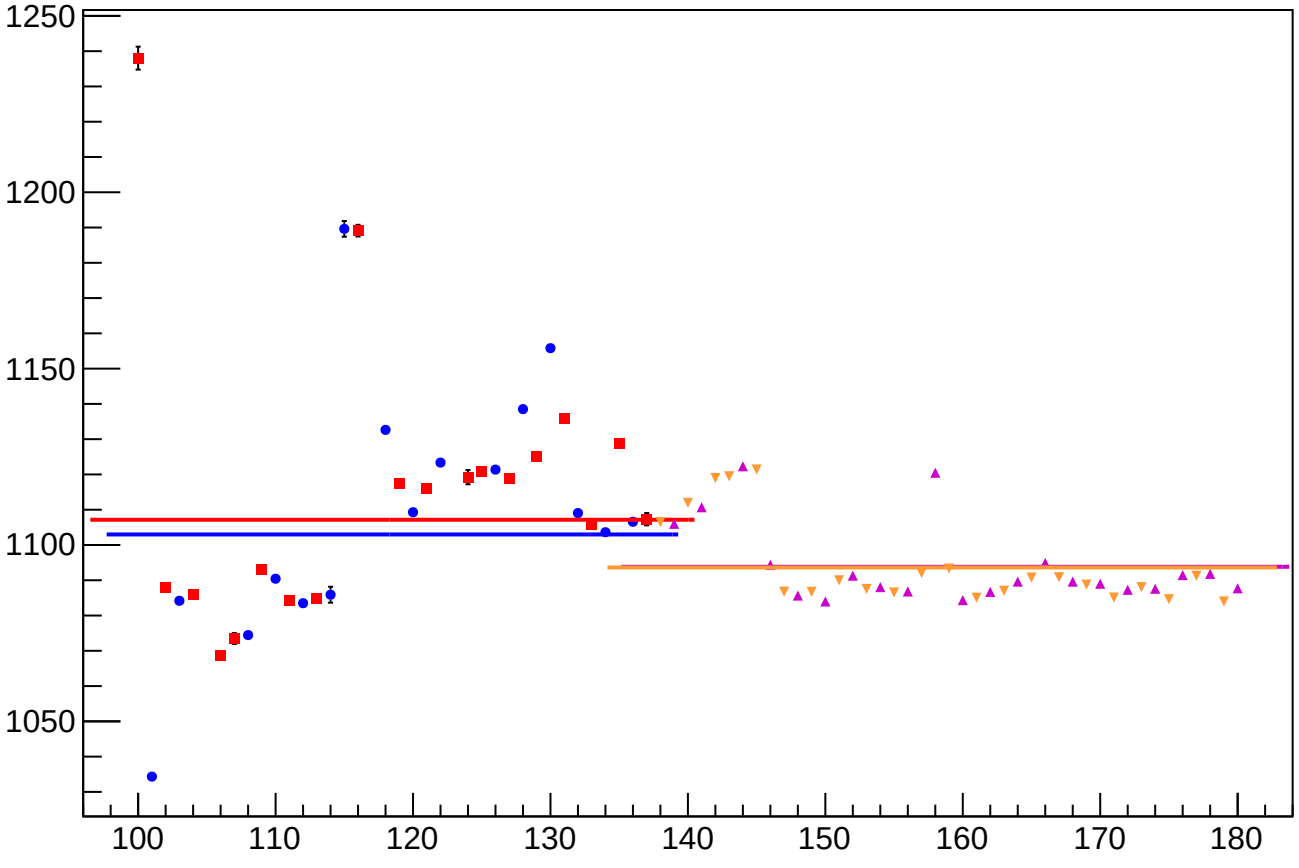
Left In: -2281.602+/-263.333 χ^2/NDF:28.6/20

+ sign 2225.989+/-220.453 χ^2/NDF: 24.2/37

All: 4.007+/-155.927 χ^2/NDF: 268.9/77

- 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: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

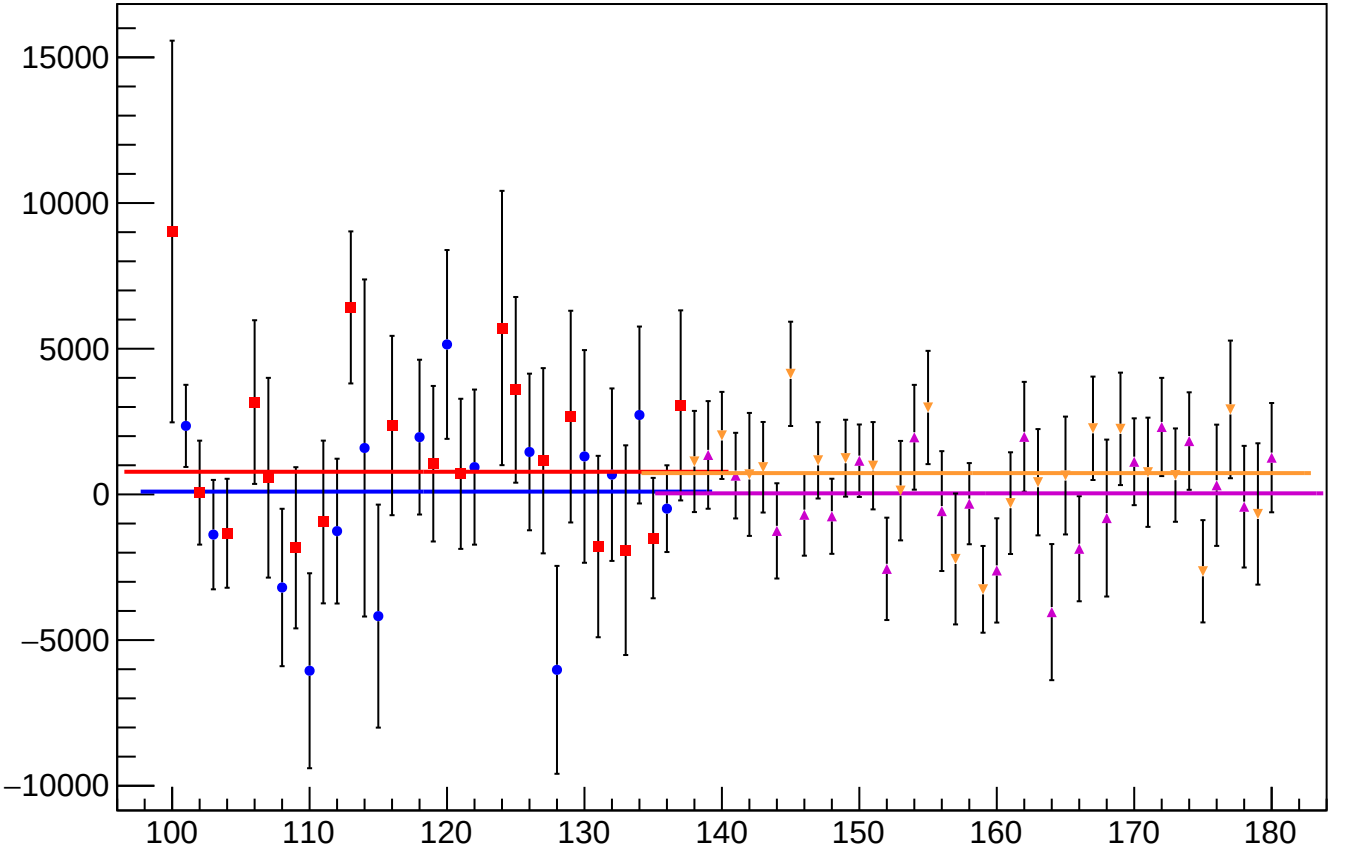
Left In: 1093.821+/-0.186 χ^2/NDF:3598.9/20

+ sign 1096.335+/-0.156 χ^2/NDF: 17841.3/37

All: 1097.068+/-0.110 χ^2/NDF: 31698.9/77

- 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: 731.080+/-367.673 χ^2/NDF:21.7/21

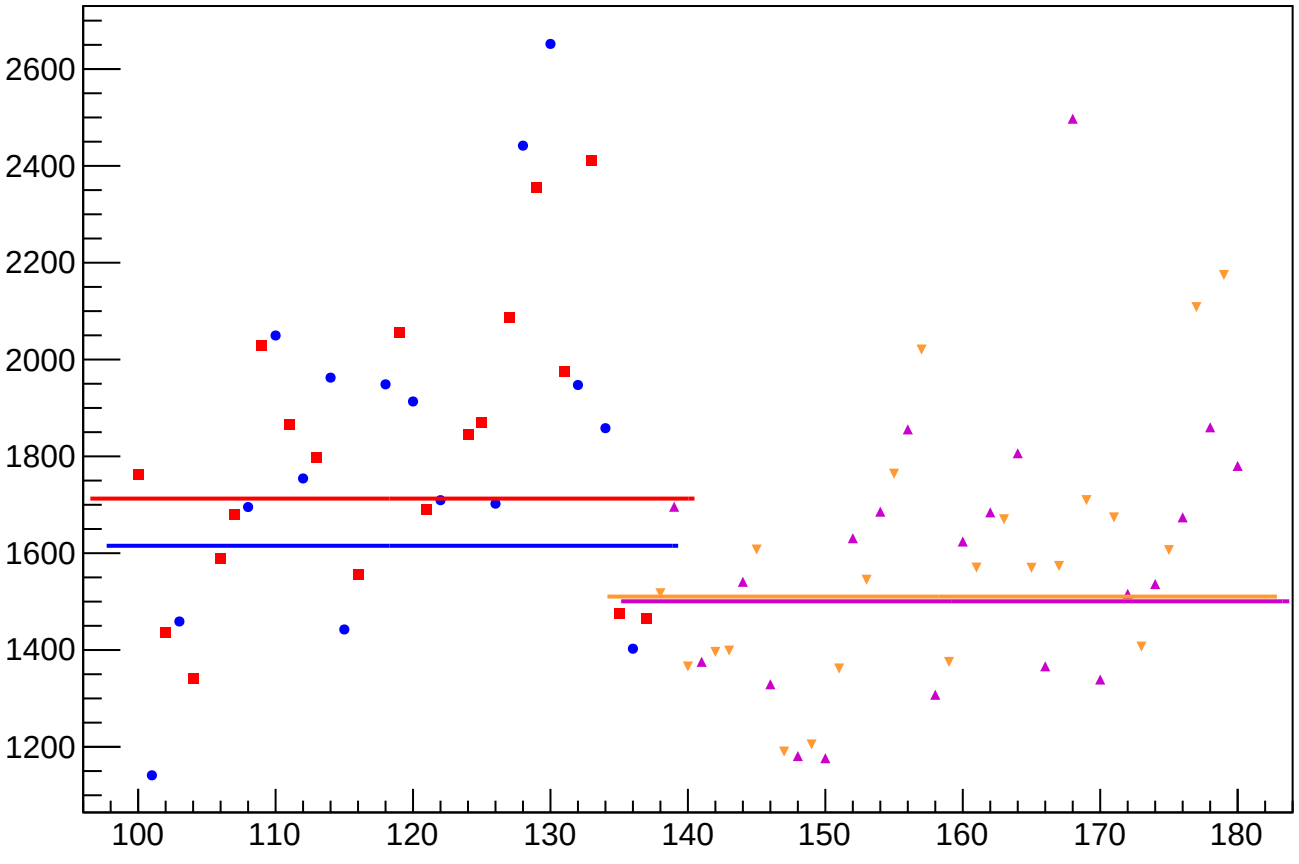
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 36.773+/-367.704 χ^2/NDF:17.7/20

+ sign 565.082+/-315.993 χ^2/NDF: 39.4/37

All: 394.767+/-224.305 χ^2/NDF: 73.8/77

- sign 221.791+/-318.451 χ^2/NDF: 33.8/39



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1510.407+/-0.260 χ^2/NDF:792533.6/21

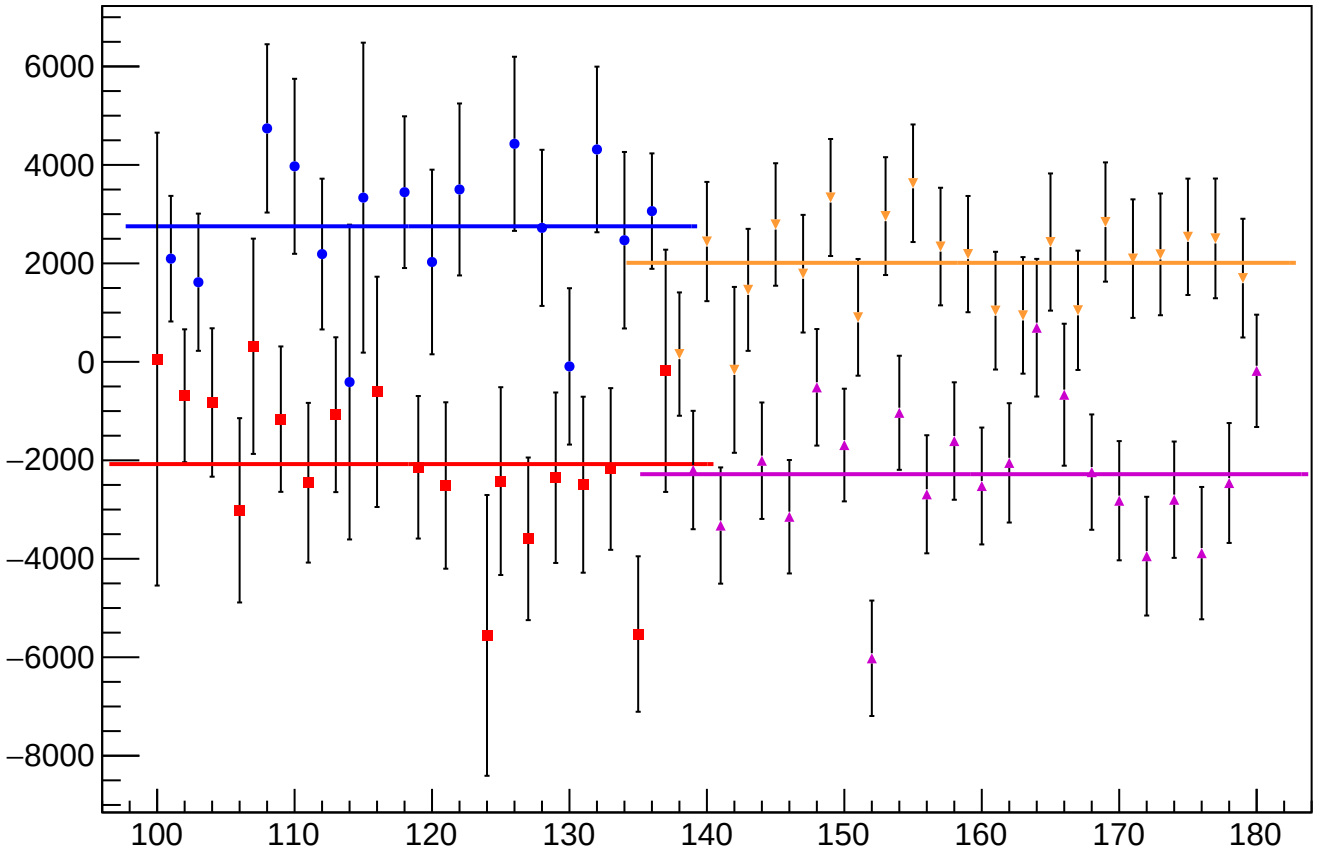
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1500.625+/-0.260 χ^2/NDF:946796.6/20

+ sign 1537.826+/-0.223 χ^2/NDF: 1528720.8/37

All: 1545.681+/-0.159 χ^2/NDF: 3072516.8/77

- 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: 2011.368+/-261.509 χ^2/NDF:12.4/21

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

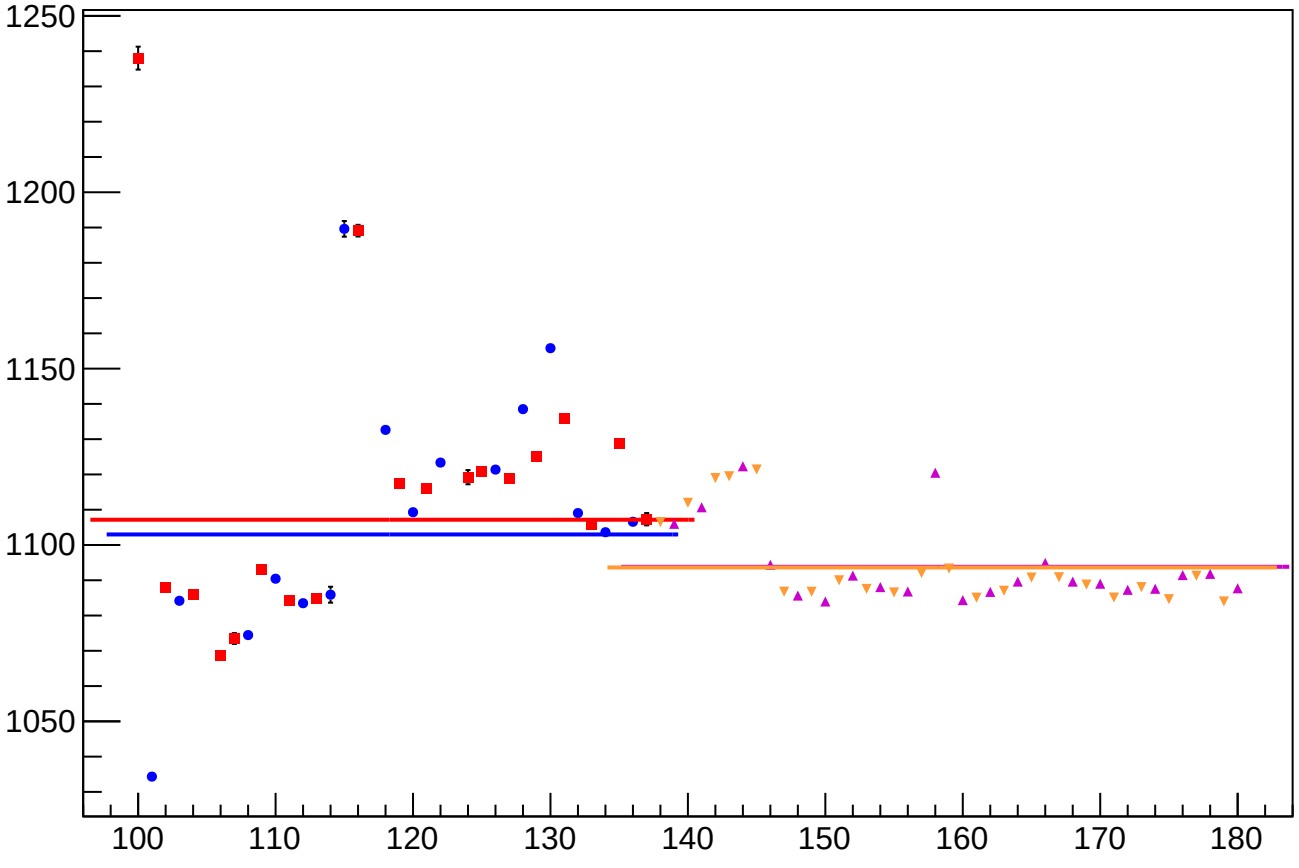
Left In: -2281.602+/-263.333 χ^2/NDF:28.6/20

+ sign 2225.989+/-220.453 χ^2/NDF: 24.2/37

All: 4.007+/-155.927 χ^2/NDF: 268.9/77

- 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: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

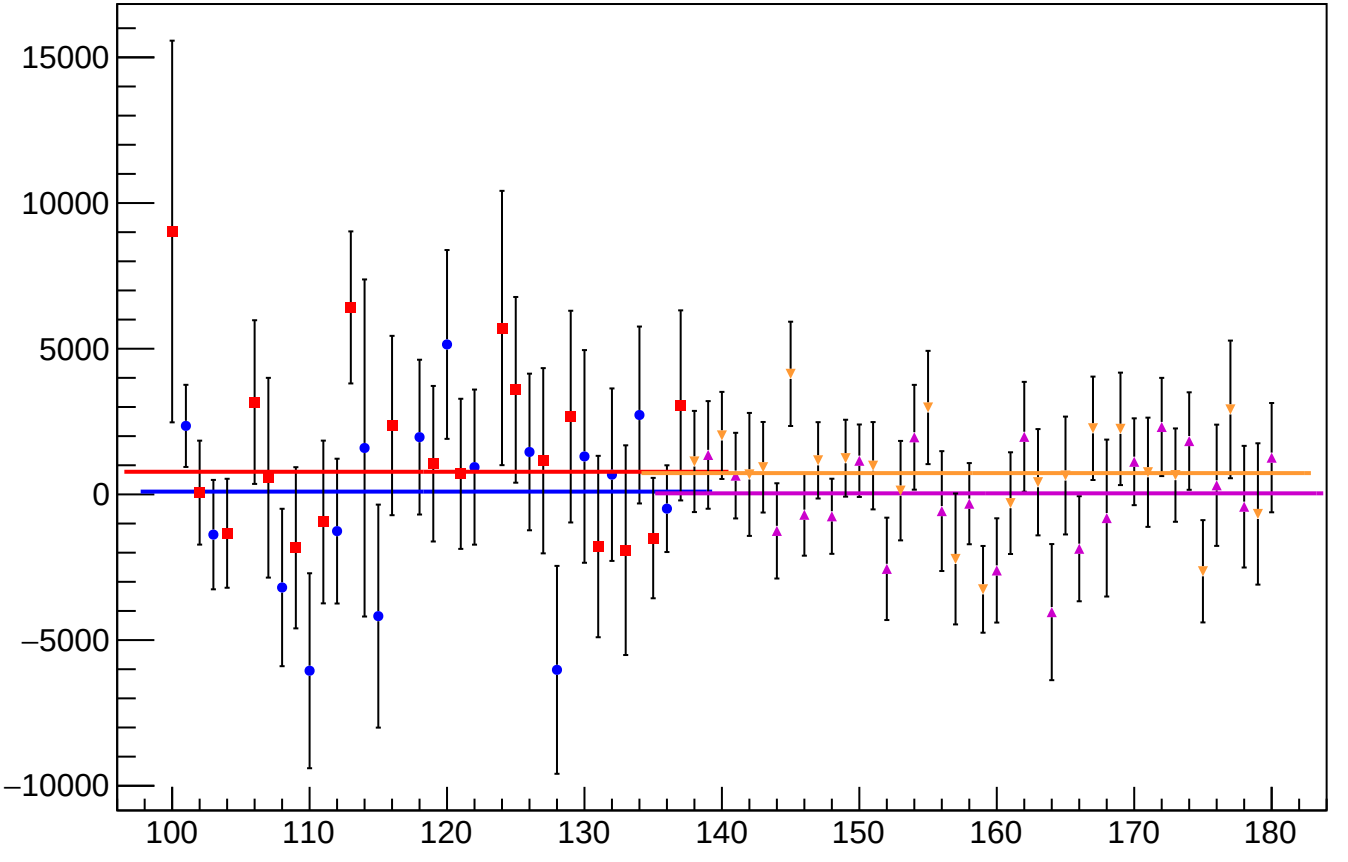
Left In: 1093.821+/-0.186 χ^2/NDF:3598.9/20

+ sign 1096.335+/-0.156 χ^2/NDF: 17841.3/37

All: 1097.068+/-0.110 χ^2/NDF: 31698.9/77

- 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: 731.080+/-367.673 χ^2/NDF:21.7/21

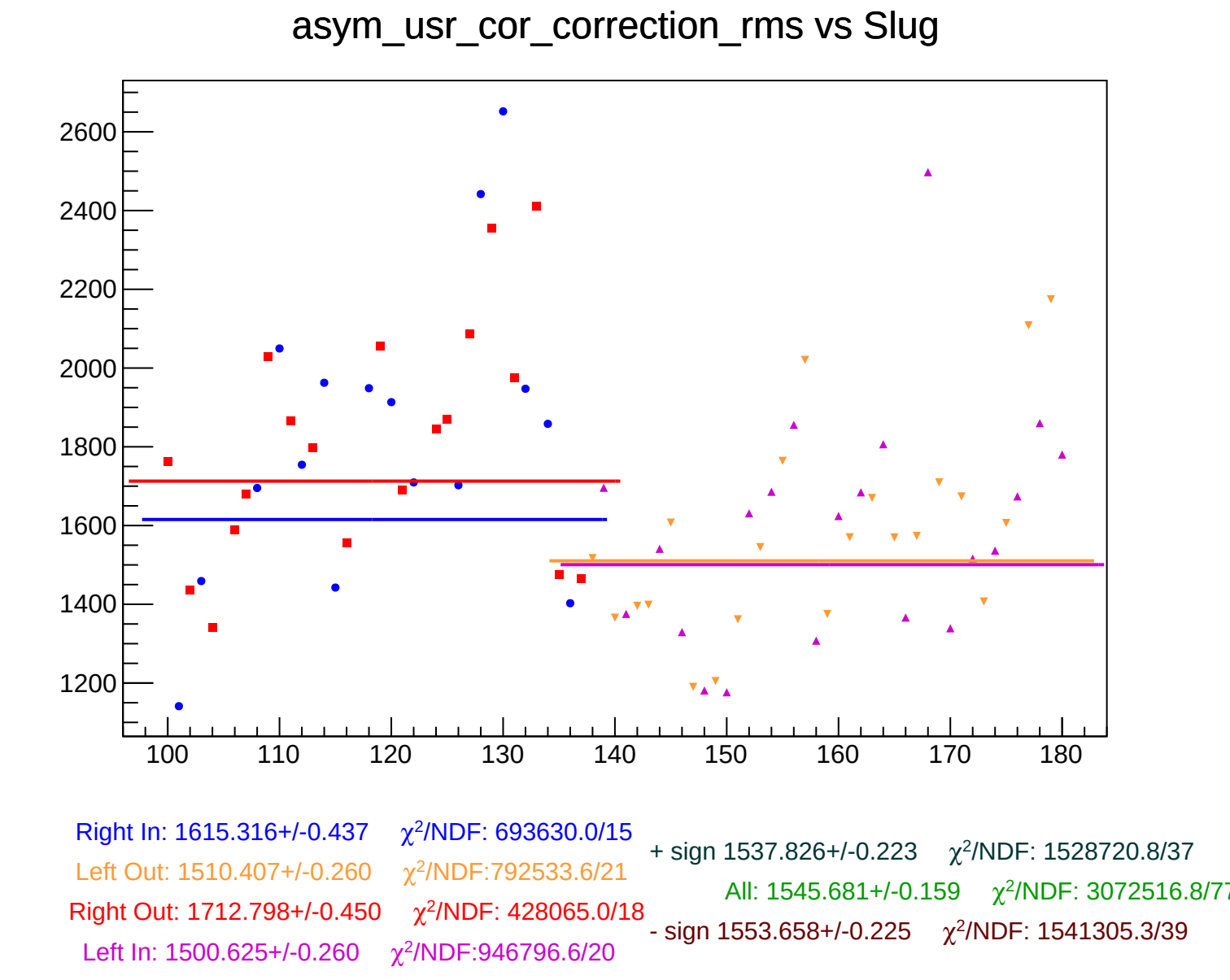
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 36.773+/-367.704 χ^2/NDF:17.7/20

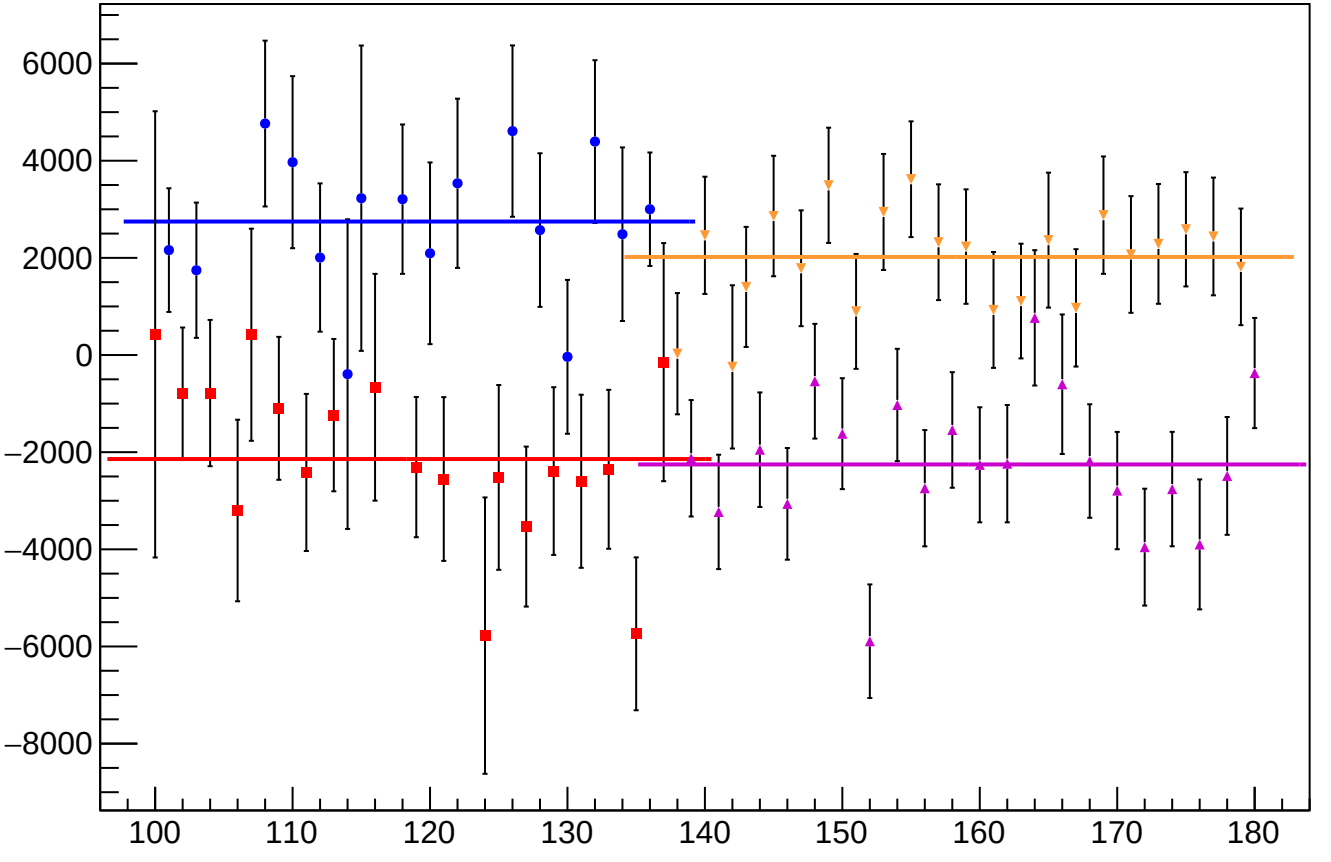
+ sign 565.082+/-315.993 χ^2/NDF: 39.4/37

All: 394.767+/-224.305 χ^2/NDF: 73.8/77

- sign 221.791+/-318.451 χ^2/NDF: 33.8/39


asym_usr_cor_correction_rms vs Slug
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
180
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1510.407+/-0.260 χ²/NDF:792533.6/21
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 1500.625+/-0.260 χ²/NDF:946796.6/20
+ sign 1537.826+/-0.223 χ²/NDF: 1528720.8/37
All: 1545.681+/-0.159 χ²/NDF: 3072516.8/77
- sign 1553.658+/-0.225 χ²/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: 2018.961+/-260.782 χ^2/NDF:13.4/21

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

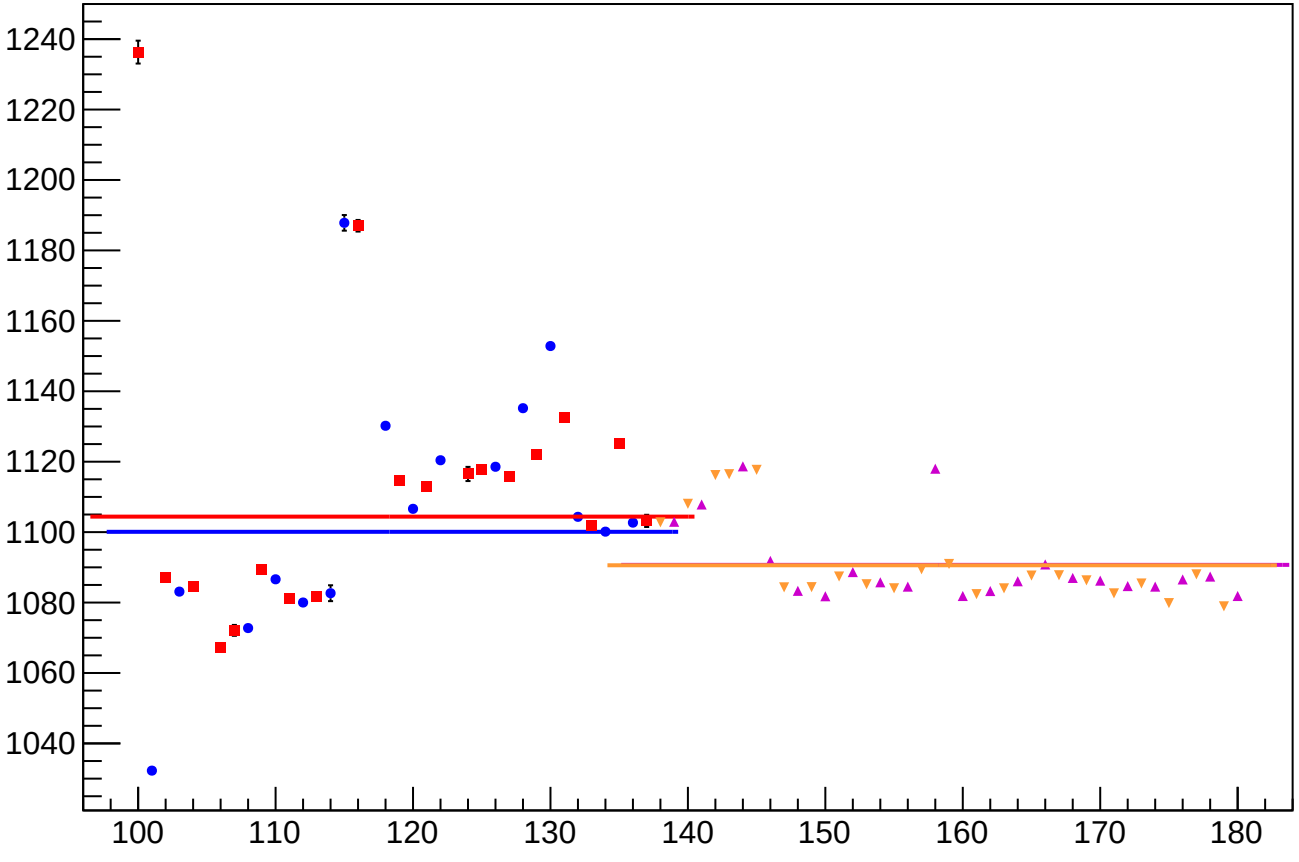
Left In: -2252.624+/-262.582 χ^2/NDF:27.7/20

+ sign 2229.839+/-219.850 χ^2/NDF: 25.1/37

All: 6.421+/-155.499 χ^2/NDF: 271.1/77

- 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: 1090.587+/-0.184 χ^2/NDF:3822.0/21

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

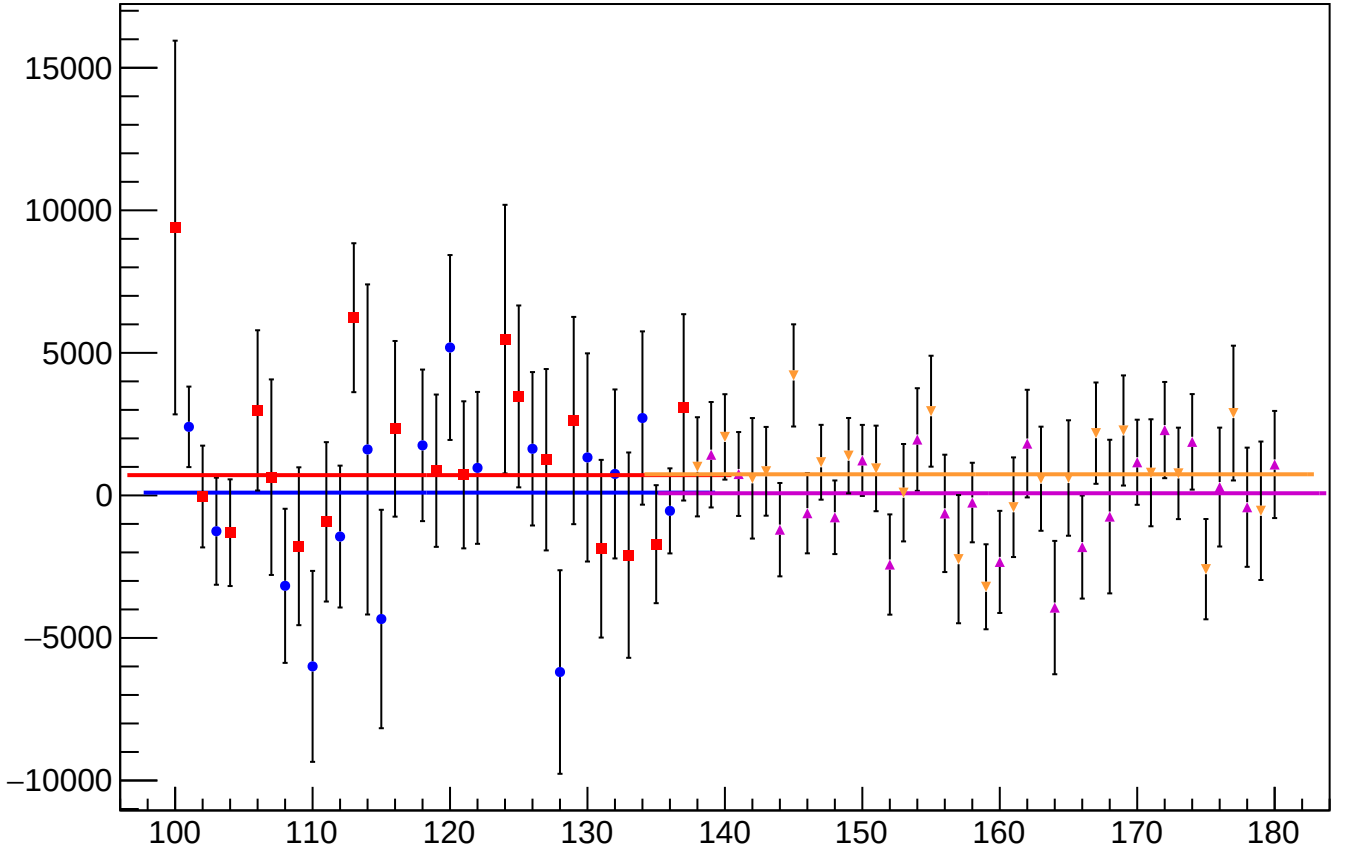
Left In: 1090.701+/-0.186 χ^2/NDF:3627.3/20

+ sign 1093.336+/-0.155 χ^2/NDF: 17667.4/37

All: 1094.062+/-0.110 χ^2/NDF: 31505.9/77

- sign 1094.788+/-0.156 χ^2/NDF: 13794.9/39

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 741.144+/-368.225 χ^2/NDF:21.5/21

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

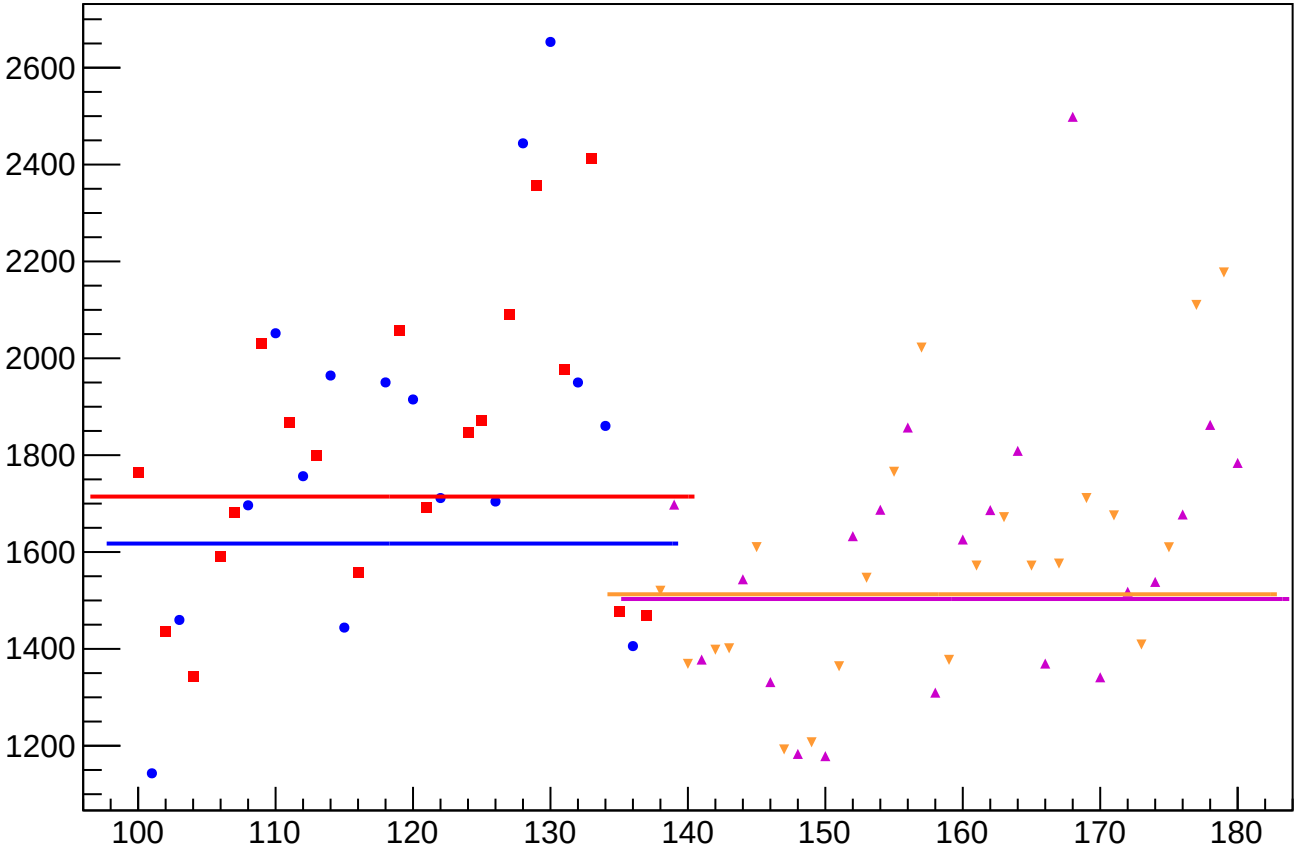
Left In: 75.765+/-368.261 χ^2/NDF:16.7/20

\+ sign 572.843+/-316.448 χ^2/NDF: 39.6/37

All: 405.093+/-224.621 χ^2/NDF: 72.5/77

\- 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: 1512.778+/-0.260 χ^2/NDF:789825.5/21

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

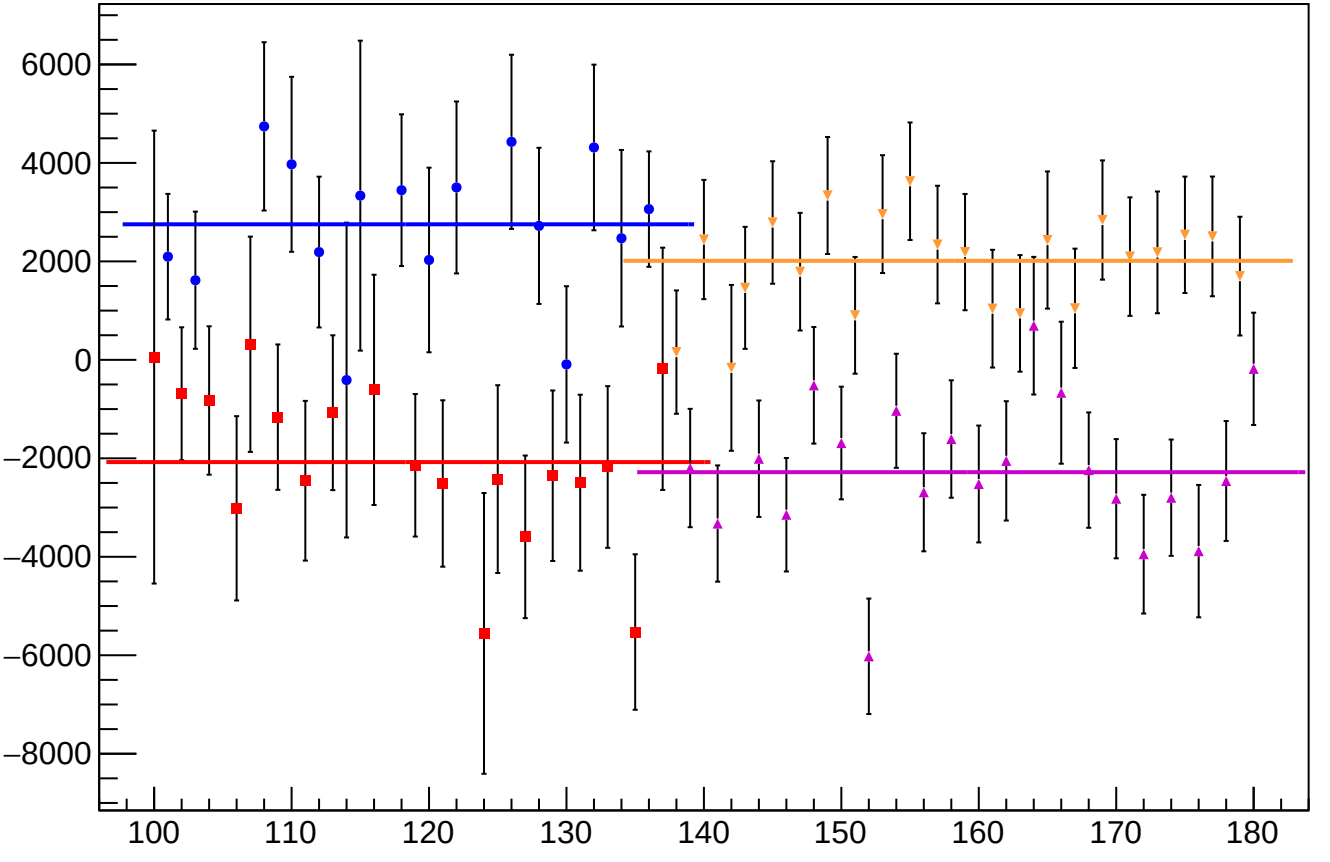
Left In: 1502.985+/-0.260 χ^2/NDF:944133.0/20

+ sign 1540.156+/-0.224 χ^2/NDF: 1523837.1/37

All: 1547.966+/-0.159 χ^2/NDF: 3063193.7/77

- sign 1555.898+/-0.225 χ^2/NDF: 1536900.9/39

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2011.368+/-261.509 χ^2/NDF:12.4/21

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

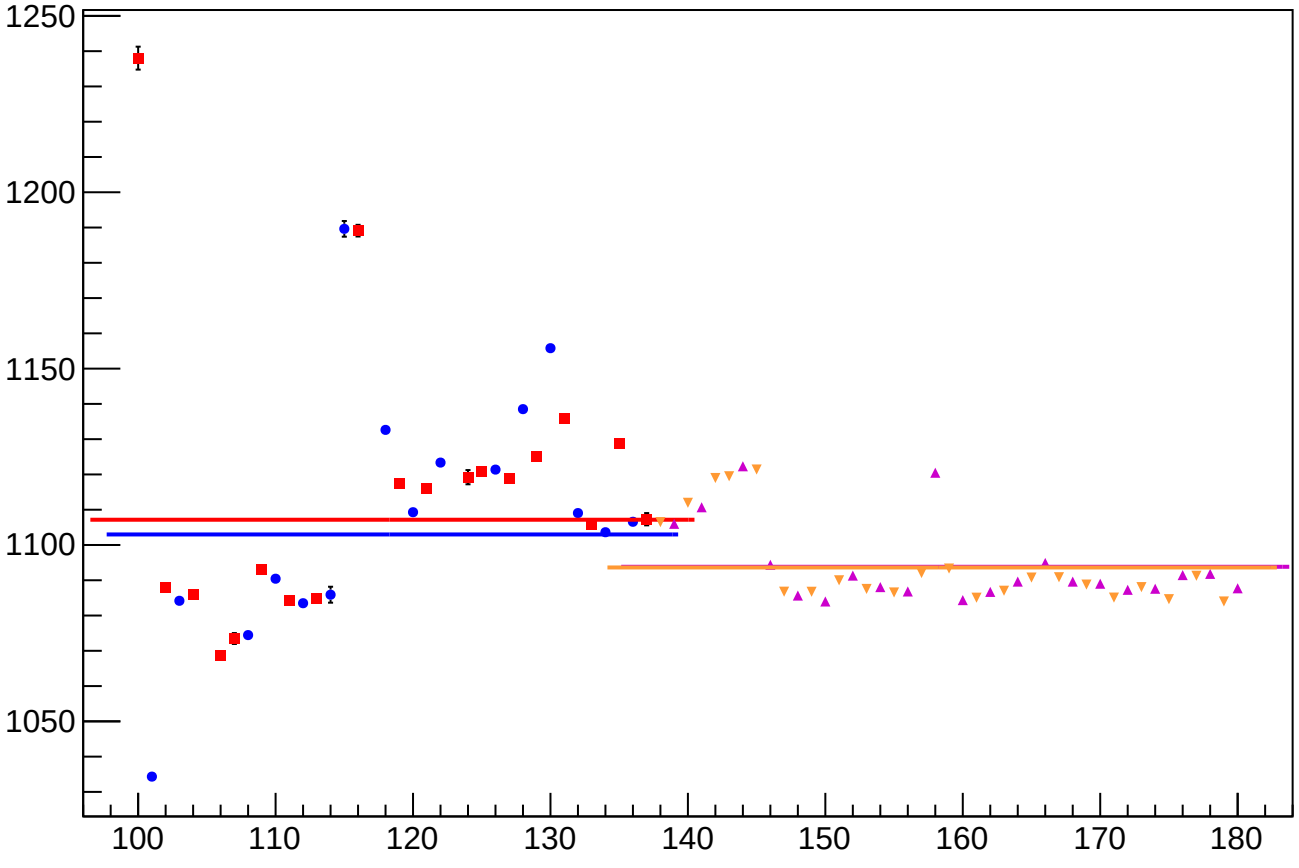
Left In: -2281.602+/-263.333 χ^2/NDF:28.6/20

+ sign 2225.989+/-220.453 χ^2/NDF: 24.2/37

All: 4.007+/-155.927 χ^2/NDF: 268.9/77

- 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: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

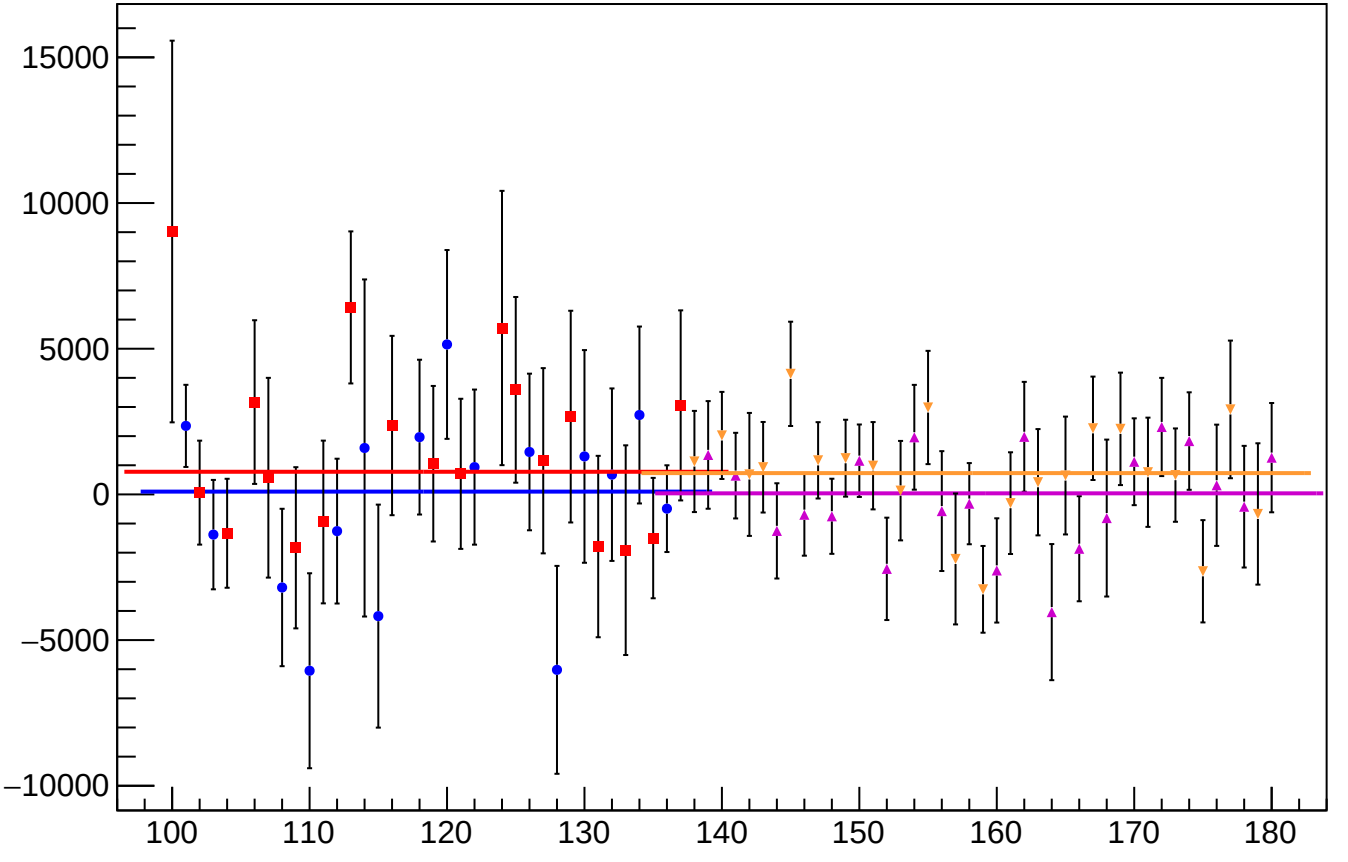
Left In: 1093.821+/-0.186 χ^2/NDF:3598.9/20

+ sign 1096.335+/-0.156 χ^2/NDF: 17841.3/37

All: 1097.068+/-0.110 χ^2/NDF: 31698.9/77

- sign 1097.801+/-0.156 χ^2/NDF: 13813.4/39

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 731.080+/-367.673 χ^2/NDF:21.7/21

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

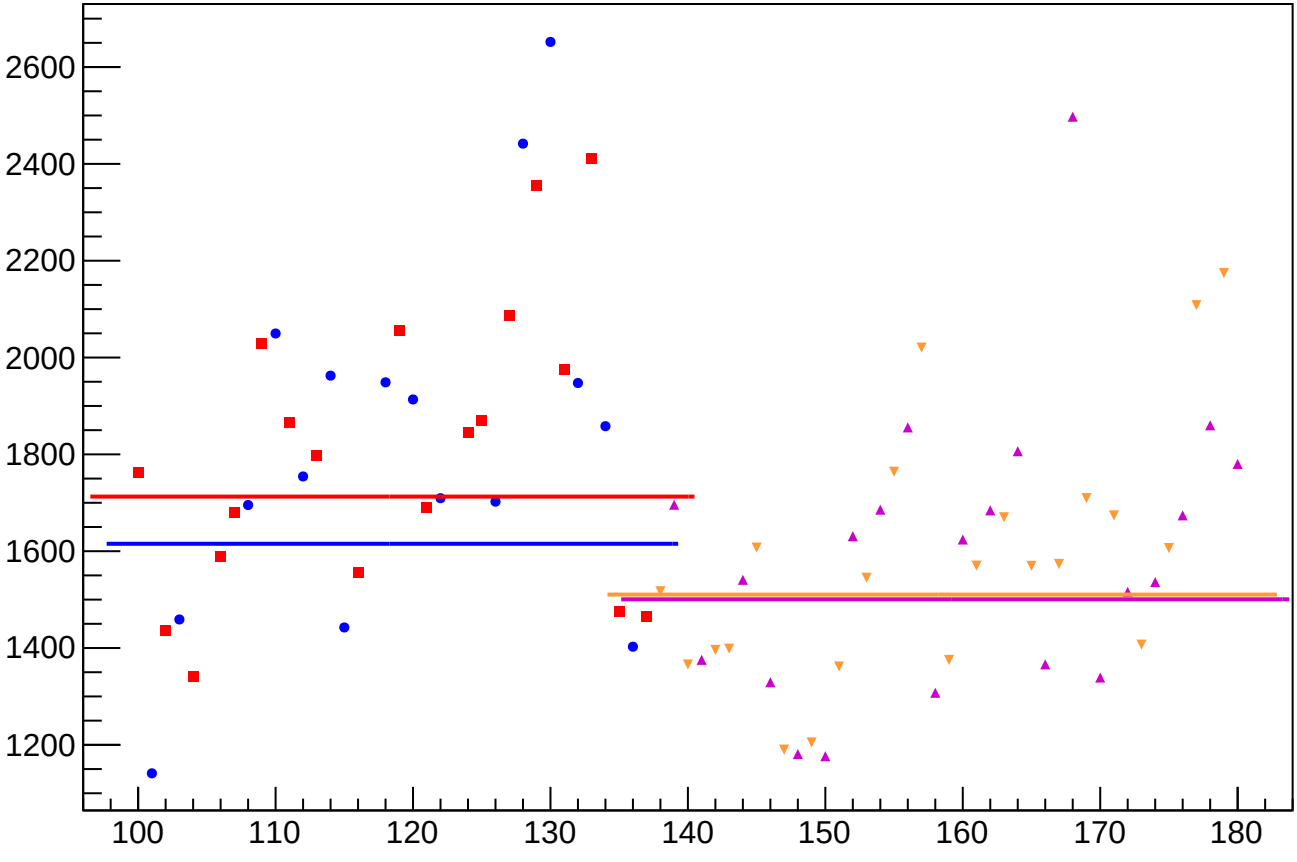
Left In: 36.773+/-367.704 χ^2/NDF:17.7/20

+ sign 565.082+/-315.993 χ^2/NDF: 39.4/37

All: 394.767+/-224.305 χ^2/NDF: 73.8/77

- 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: 1510.407+/-0.260 χ^2/NDF:792533.6/21

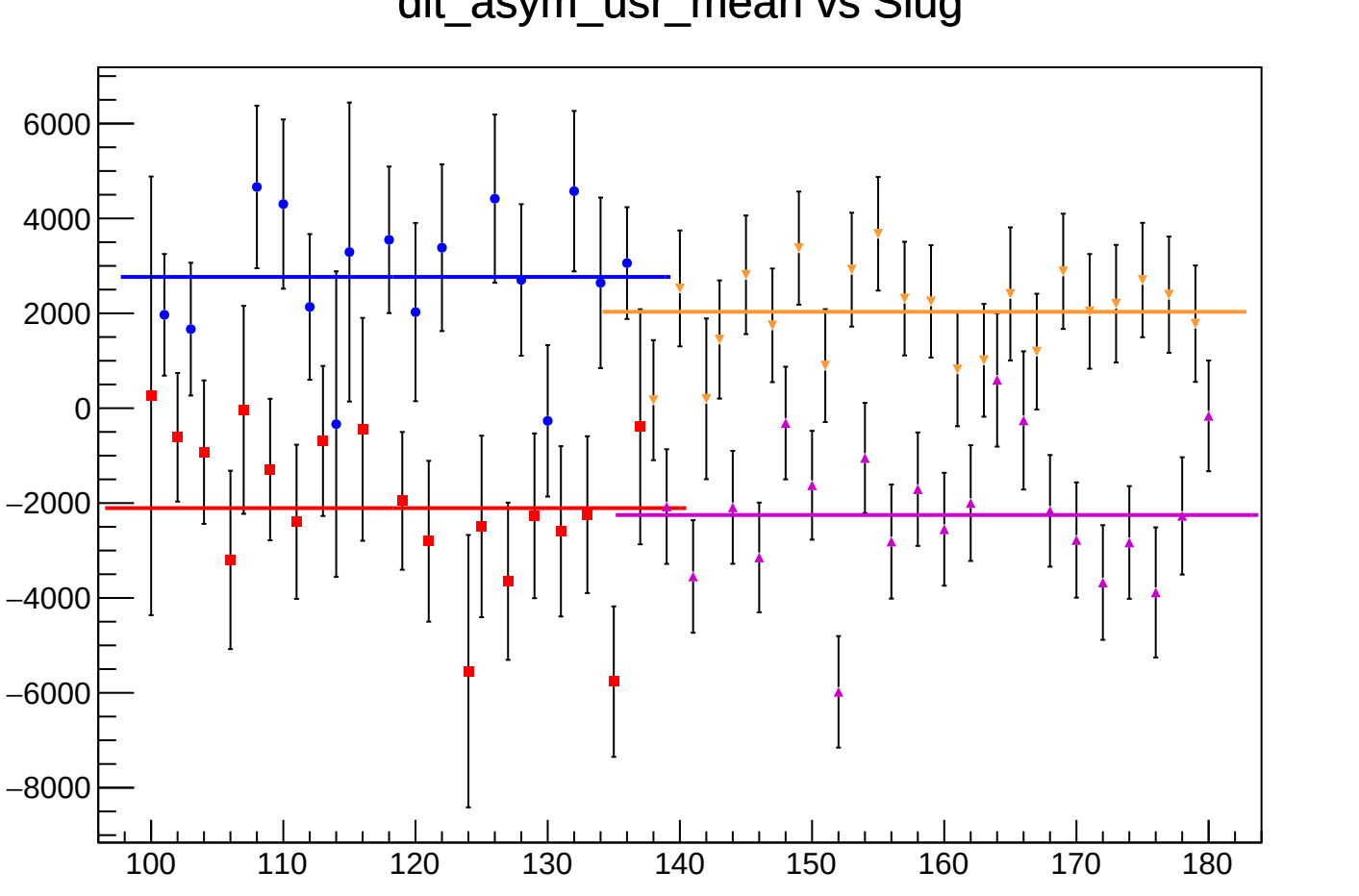
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1500.625+/-0.260 χ^2/NDF:946796.6/20

+ sign 1537.826+/-0.223 χ^2/NDF: 1528720.8/37

All: 1545.681+/-0.159 χ^2/NDF: 3072516.8/77

- 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: 2032.147+/-263.044 χ^2/NDF:12.1/21

Right Out: -2106.358+/-405.586 χ^2/NDF: 13.4/18

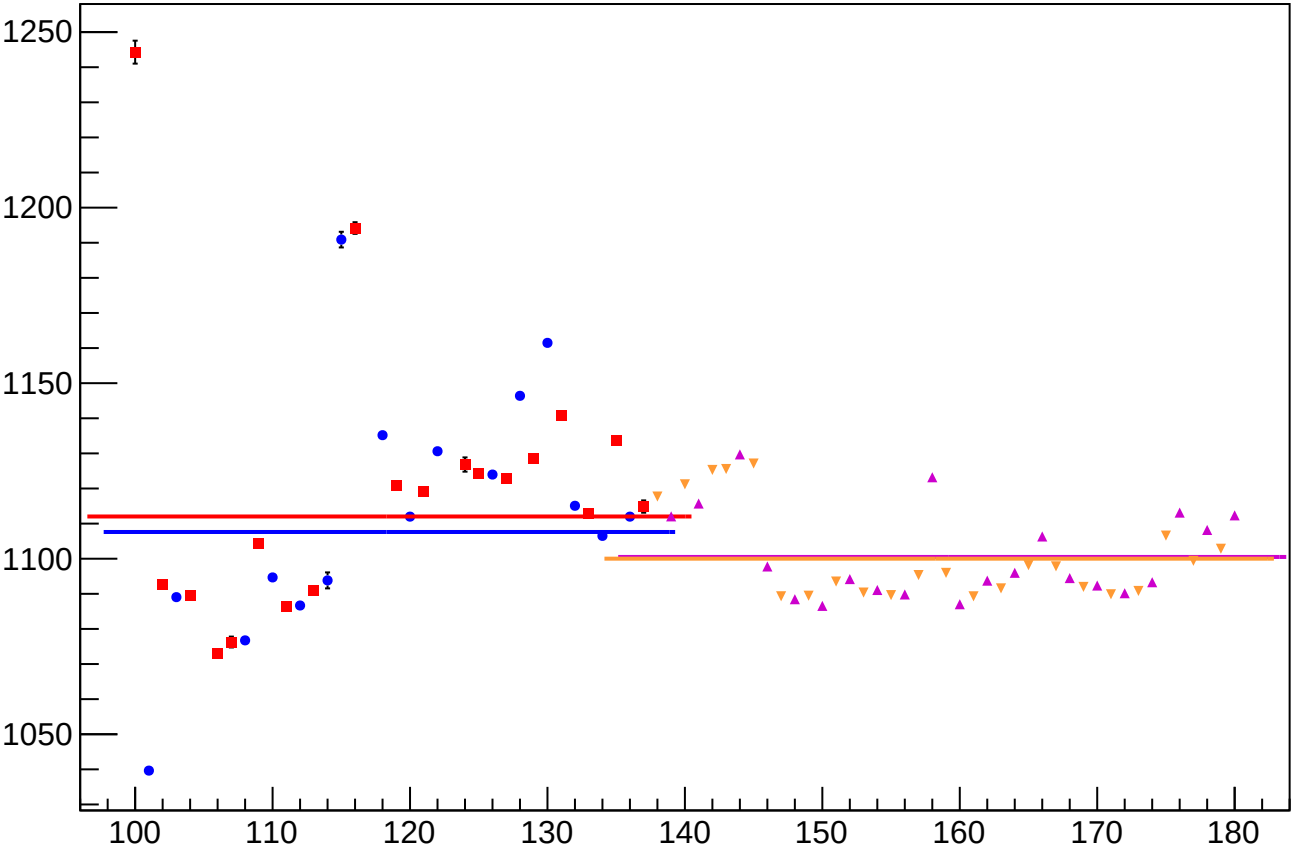
Left In: -2251.744+/-264.951 χ^2/NDF:28.9/20

+ sign 2245.171+/-221.642 χ^2/NDF: 24.7/37

All: 20.207+/-156.786 χ^2/NDF: 268.7/77

- 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: 1100.013+/-0.186 χ^2/NDF:4608.3/21

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

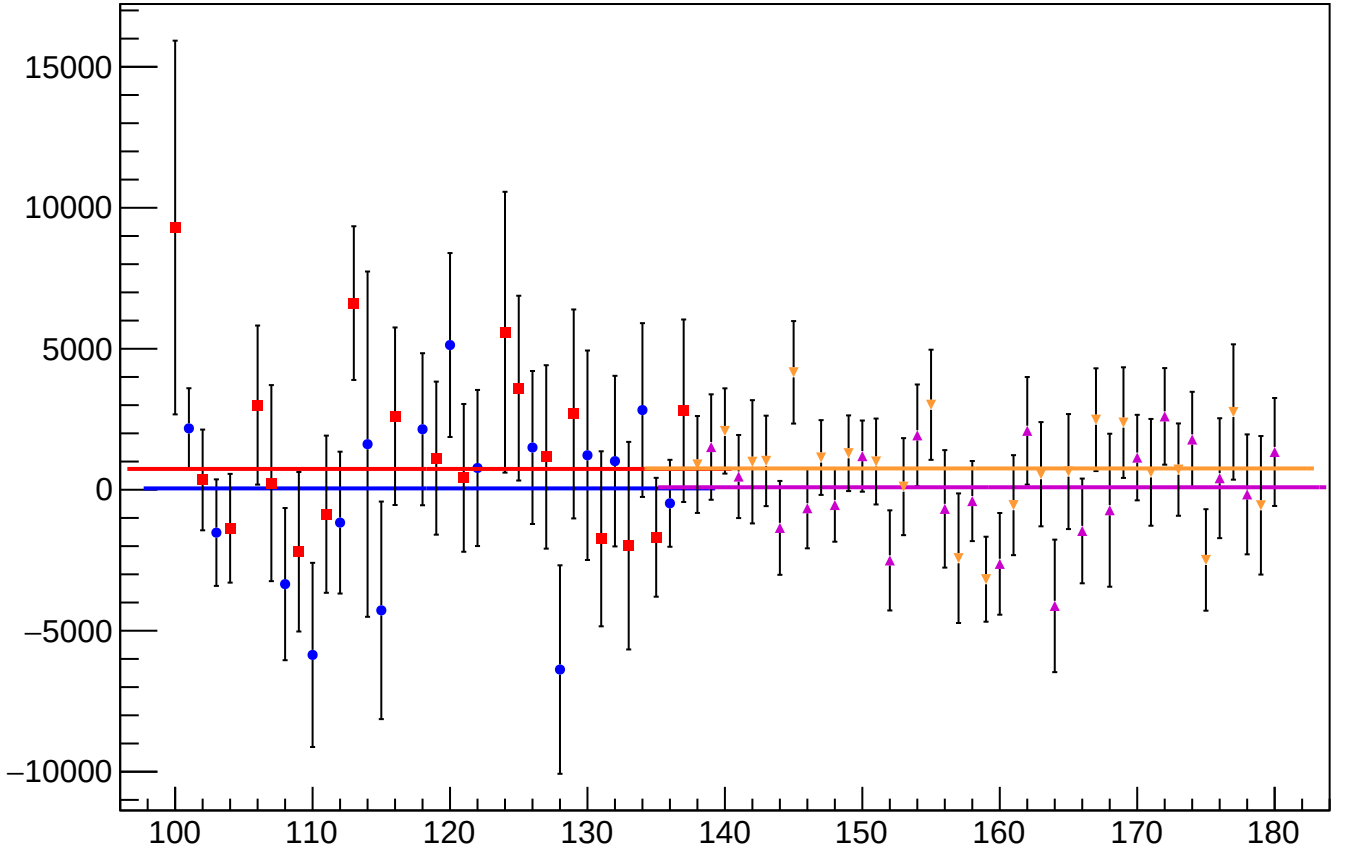
Left In: 1100.502+/-0.187 χ^2/NDF:4481.1/20

+ sign 1102.218+/-0.157 χ^2/NDF: 18313.3/37

All: 1103.083+/-0.111 χ^2/NDF: 32641.2/77

- 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: 755.409+/-373.393 χ^2/NDF:21.2/21

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

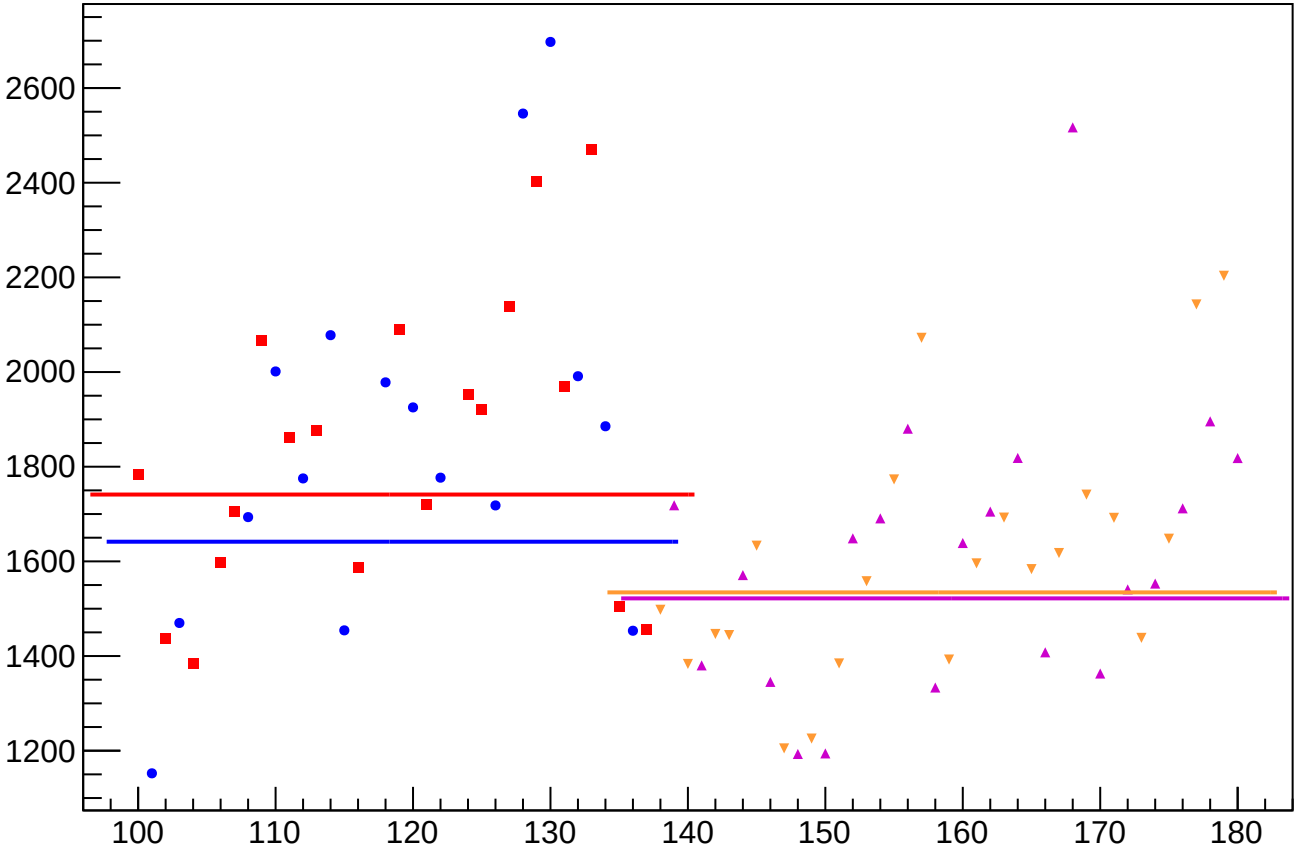
Left In: 88.183+/-372.725 χ^2/NDF:17.6/20

+ sign 570.623+/-320.956 χ^2/NDF: 39.0/37

All: 411.287+/-227.692 χ^2/NDF: 72.7/77

- 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: 1534.466+/-0.264 χ^2/NDF:792688.5/21

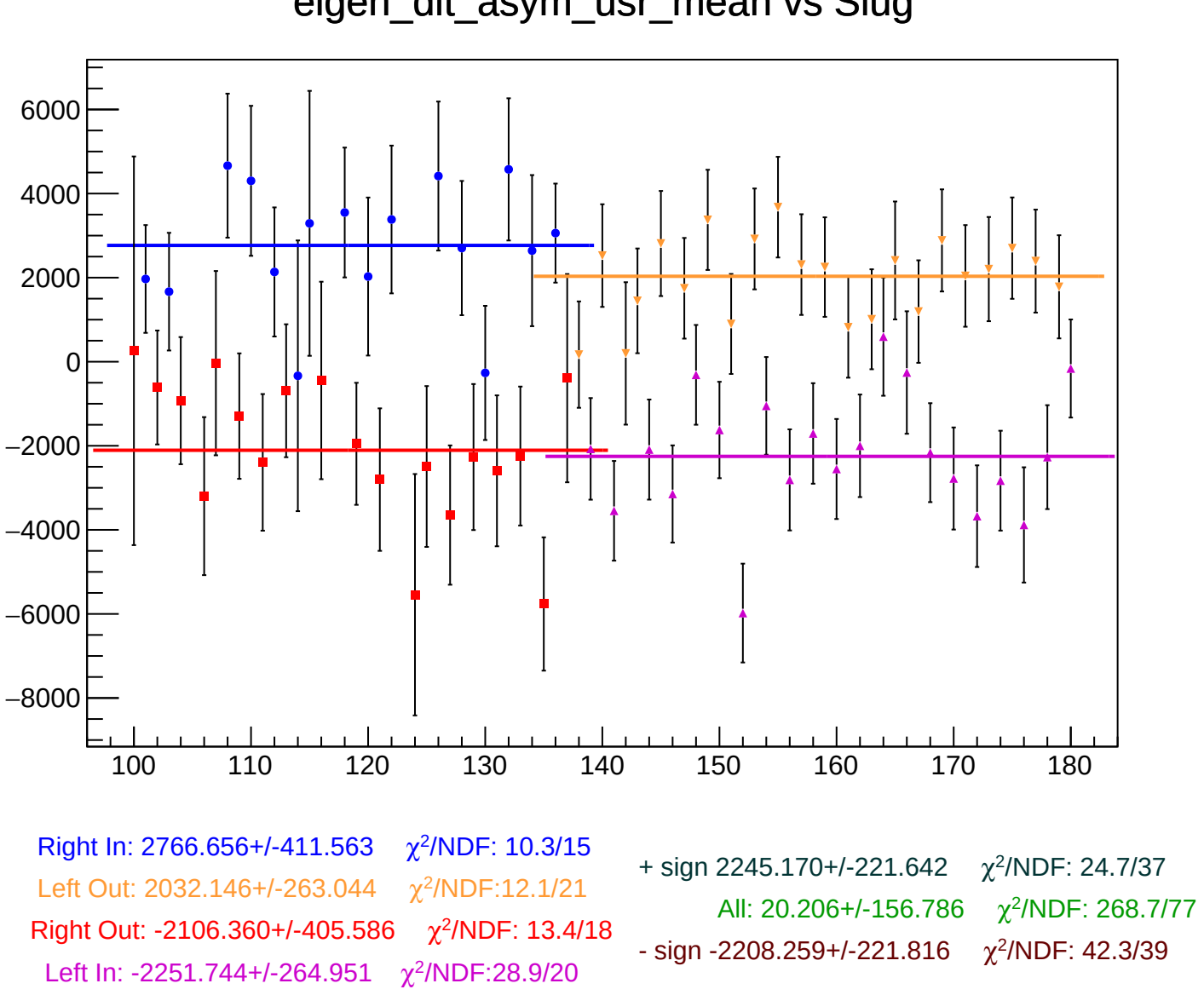
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1521.803+/-0.264 χ^2/NDF:941296.5/20

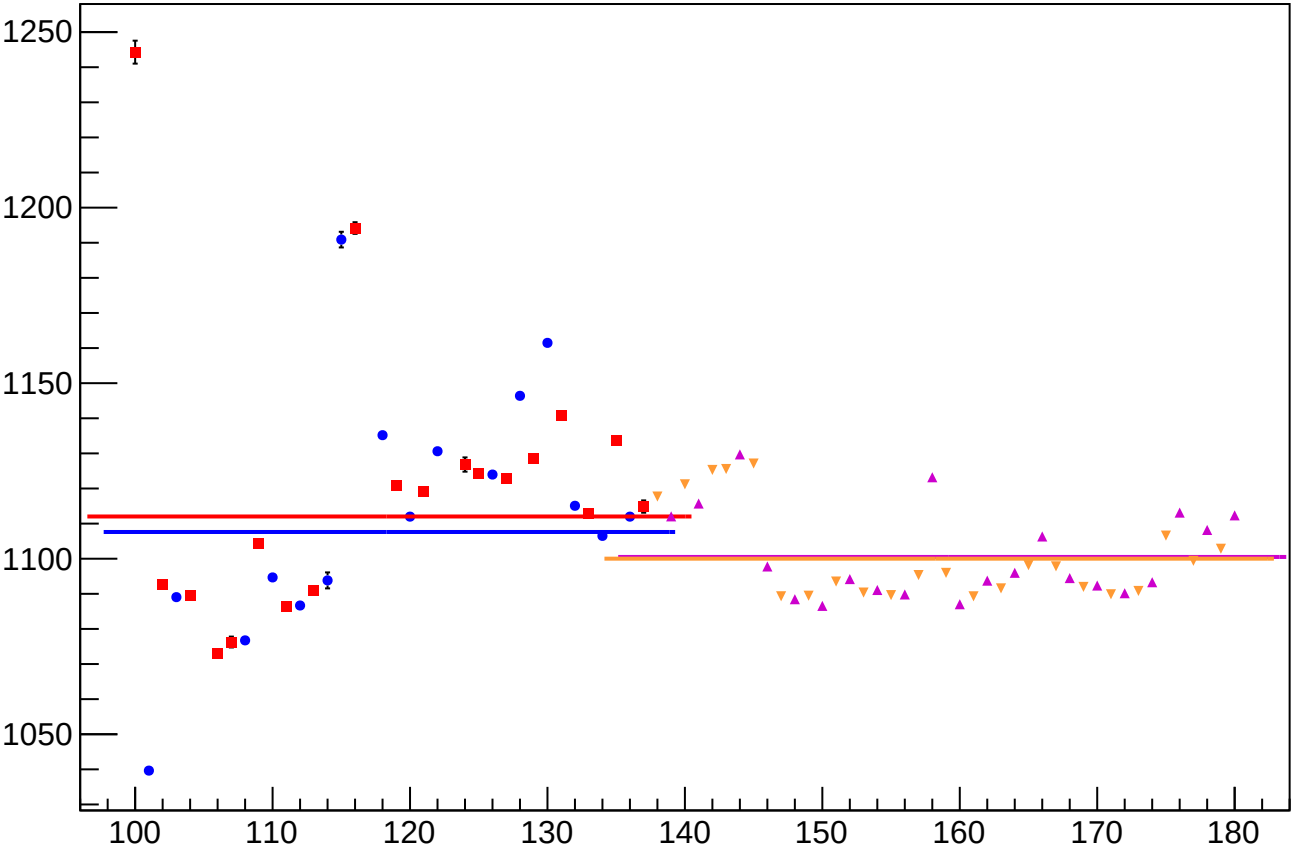
+ sign 1562.427+/-0.227 χ^2/NDF: 1536947.2/37

All: 1569.353+/-0.161 χ^2/NDF: 3090808.5/77

- sign 1576.371+/-0.228 χ^2/NDF: 1551986.4/39


eigen_dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: 2766.656+/-411.563 χ²/NDF: 10.3/15
Left Out: 2032.146+/-263.044 χ²/NDF:12.1/21
Right Out: -2106.360+/-405.586 χ²/NDF: 13.4/18
Left In: -2251.744+/-264.951 χ²/NDF:28.9/20
+ sign 2245.170+/-221.642 χ²/NDF: 24.7/37
All: 20.206+/-156.786 χ²/NDF: 268.7/77
- sign -2208.259+/-221.816 χ²/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: 1100.013+/-0.186 χ^2/NDF:4608.3/21

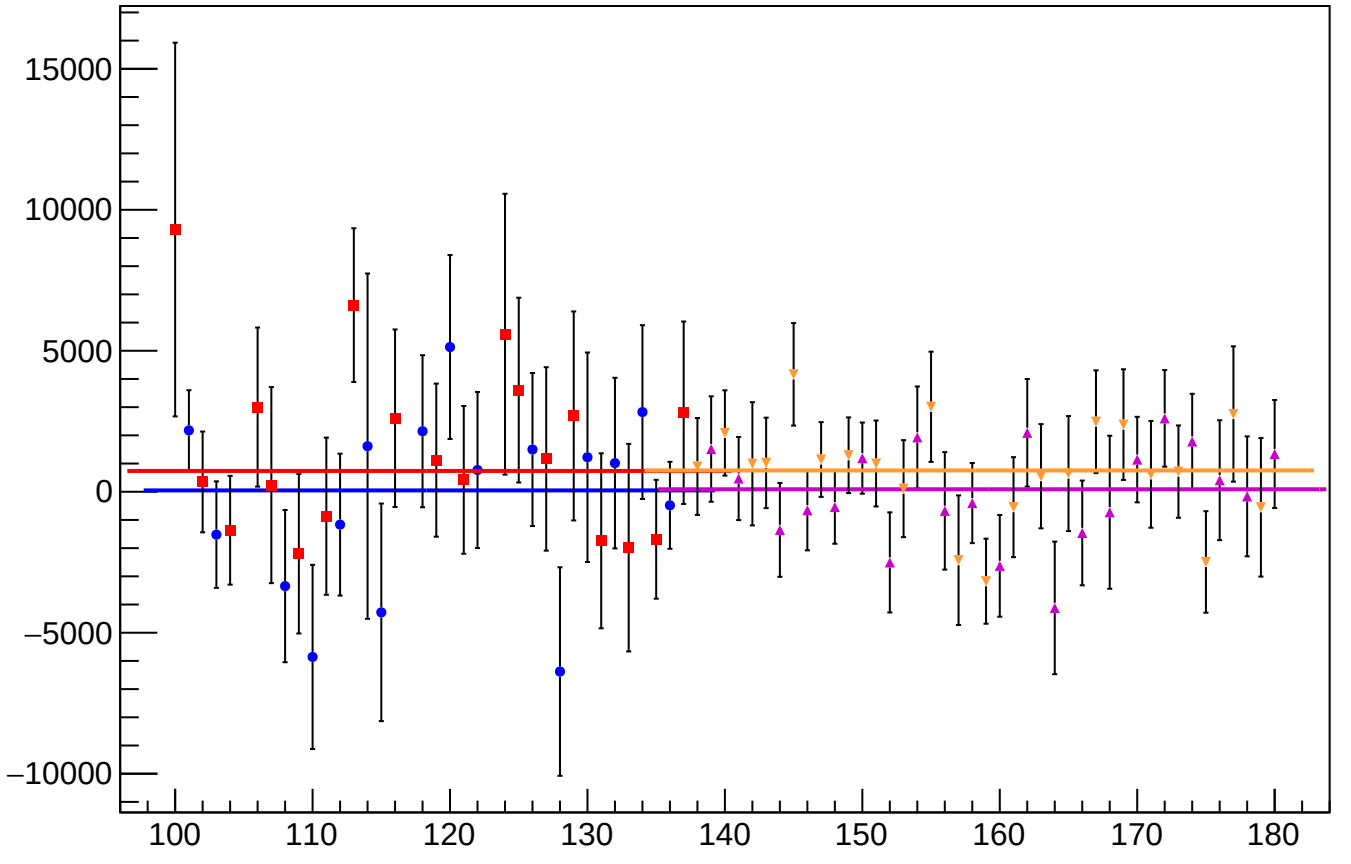
Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.502+/-0.187 χ^2/NDF:4481.1/20

+ sign 1102.218+/-0.157 χ^2/NDF: 18313.1/37

All: 1103.083+/-0.111 χ^2/NDF: 32641.0/77

- 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: 755.408+/-373.394 χ^2/NDF:21.2/21

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

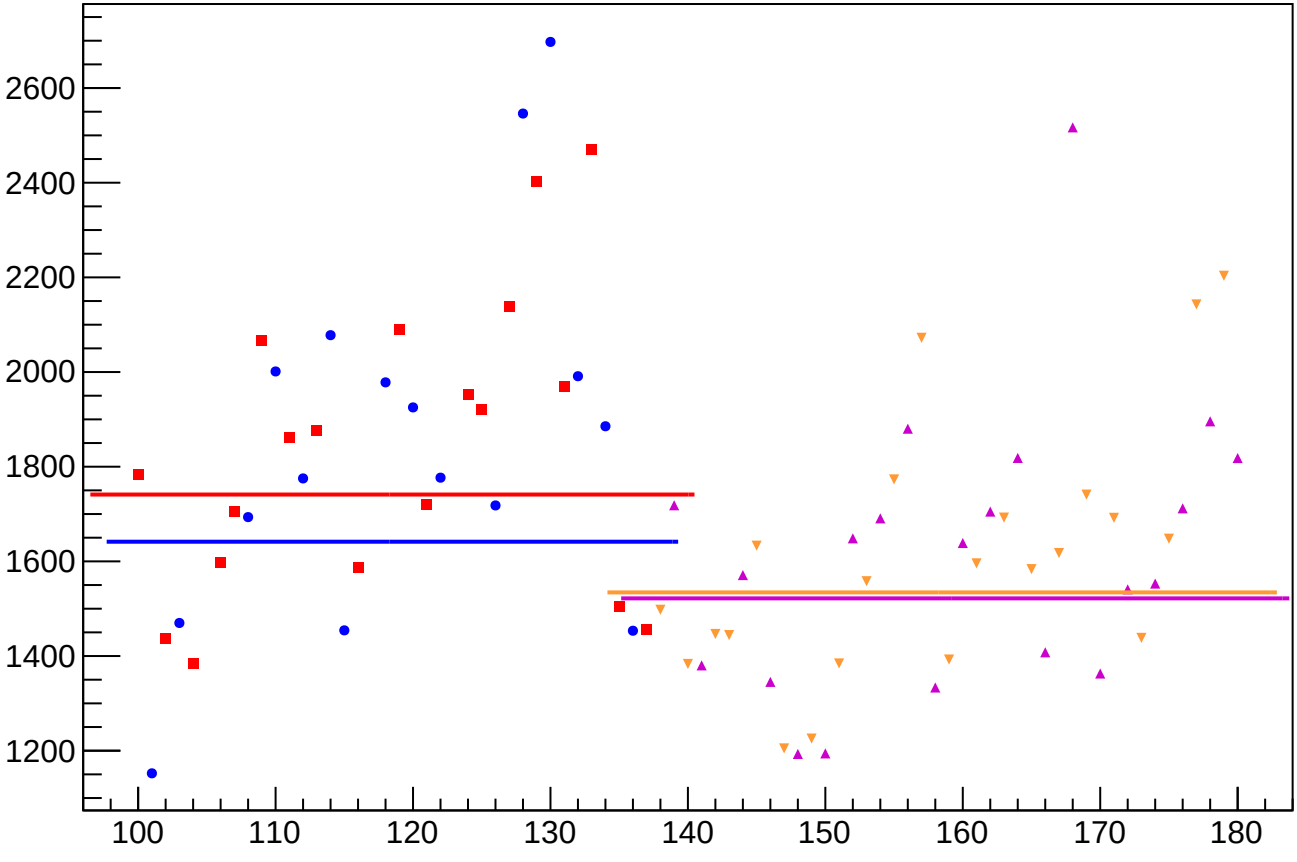
Left In: 88.182+/-372.726 χ^2/NDF:17.6/20

\+ sign 570.620+/-320.956 χ^2/NDF: 39.0/37

All: 411.286+/-227.693 χ^2/NDF: 72.7/77

\- 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: 1534.470+/-0.264 χ^2/NDF:792692.4/21

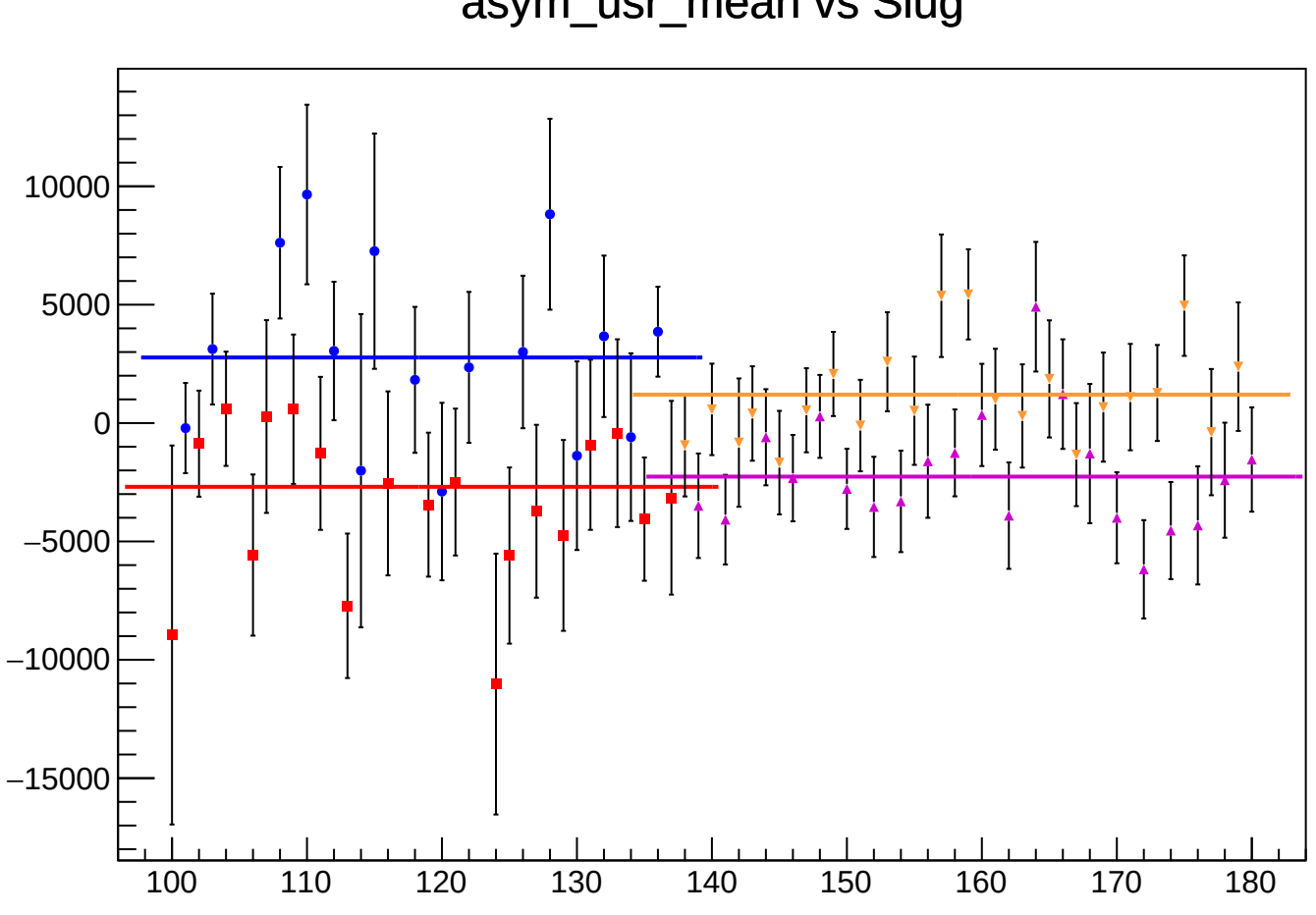
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1521.807+/-0.264 χ^2/NDF:941301.9/20

+ sign 1562.430+/-0.227 χ^2/NDF: 1536934.2/37

All: 1569.356+/-0.161 χ^2/NDF: 3090780.6/77

- 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: 1201.842+/-458.412 χ^2/NDF:17.8/21

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

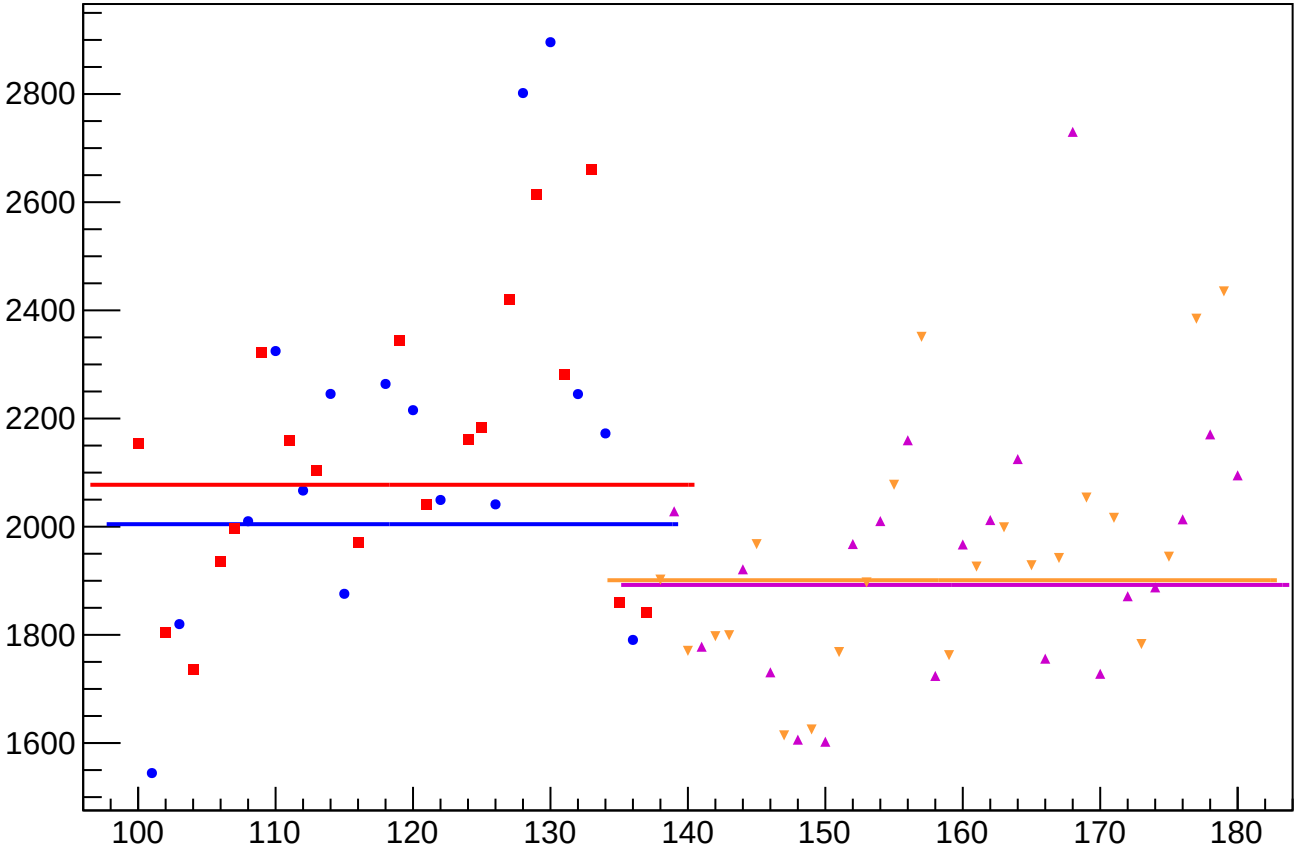
Left In: -2262.331+/-459.369 χ^2/NDF:22.7/20

+ sign 1622.499+/-392.134 χ^2/NDF: 37.4/37

All: -367.743+/-277.912 χ^2/NDF: 124.6/77

- 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: 1901.007+/-0.324 χ^2/NDF:382163.0/21

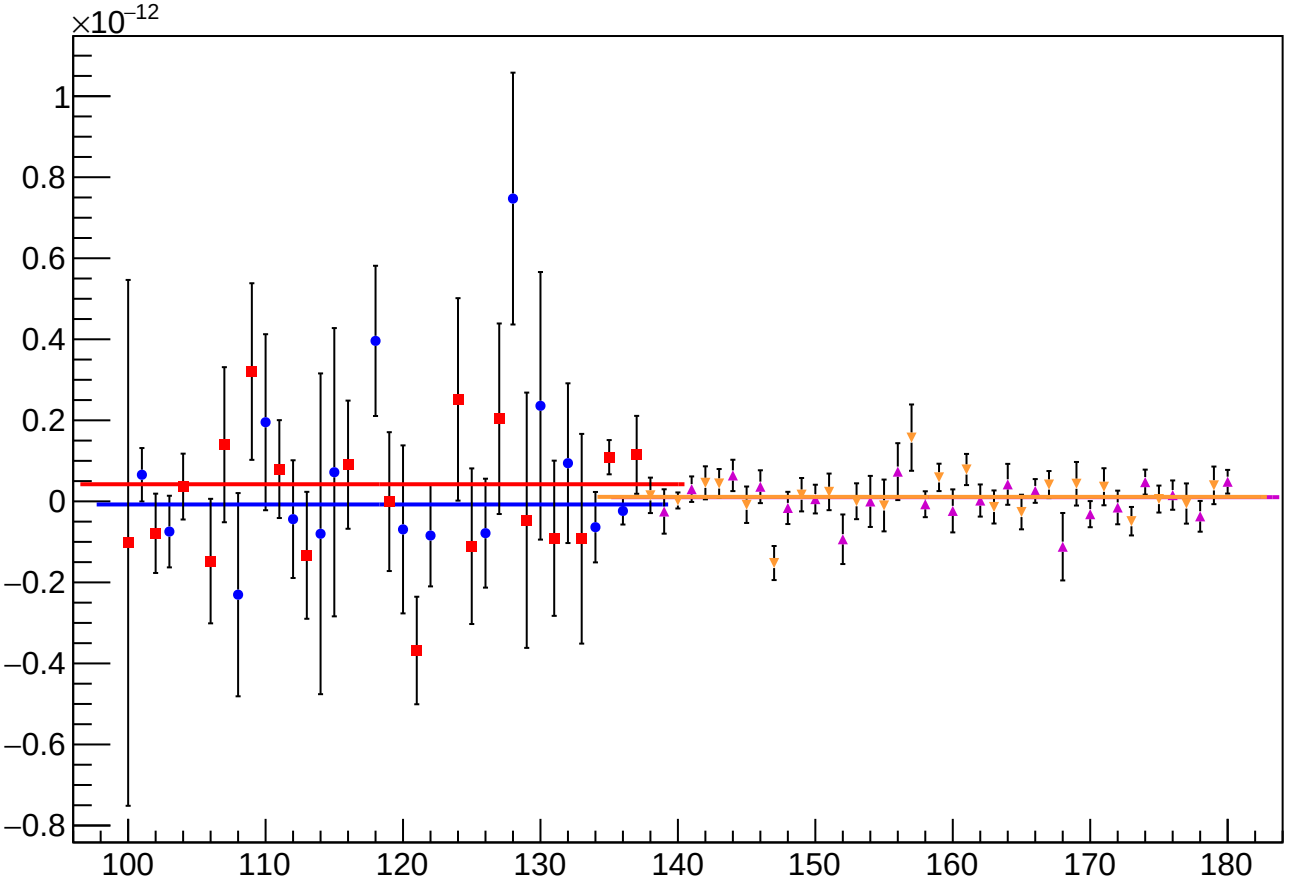
Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1892.331+/-0.325 χ^2/NDF:447941.7/20

+ sign 1928.806+/-0.277 χ^2/NDF: 797147.7/37

All: 1935.041+/-0.197 χ^2/NDF: 1562586.3/77

- sign 1941.333+/-0.279 χ^2/NDF: 764422.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.7/21

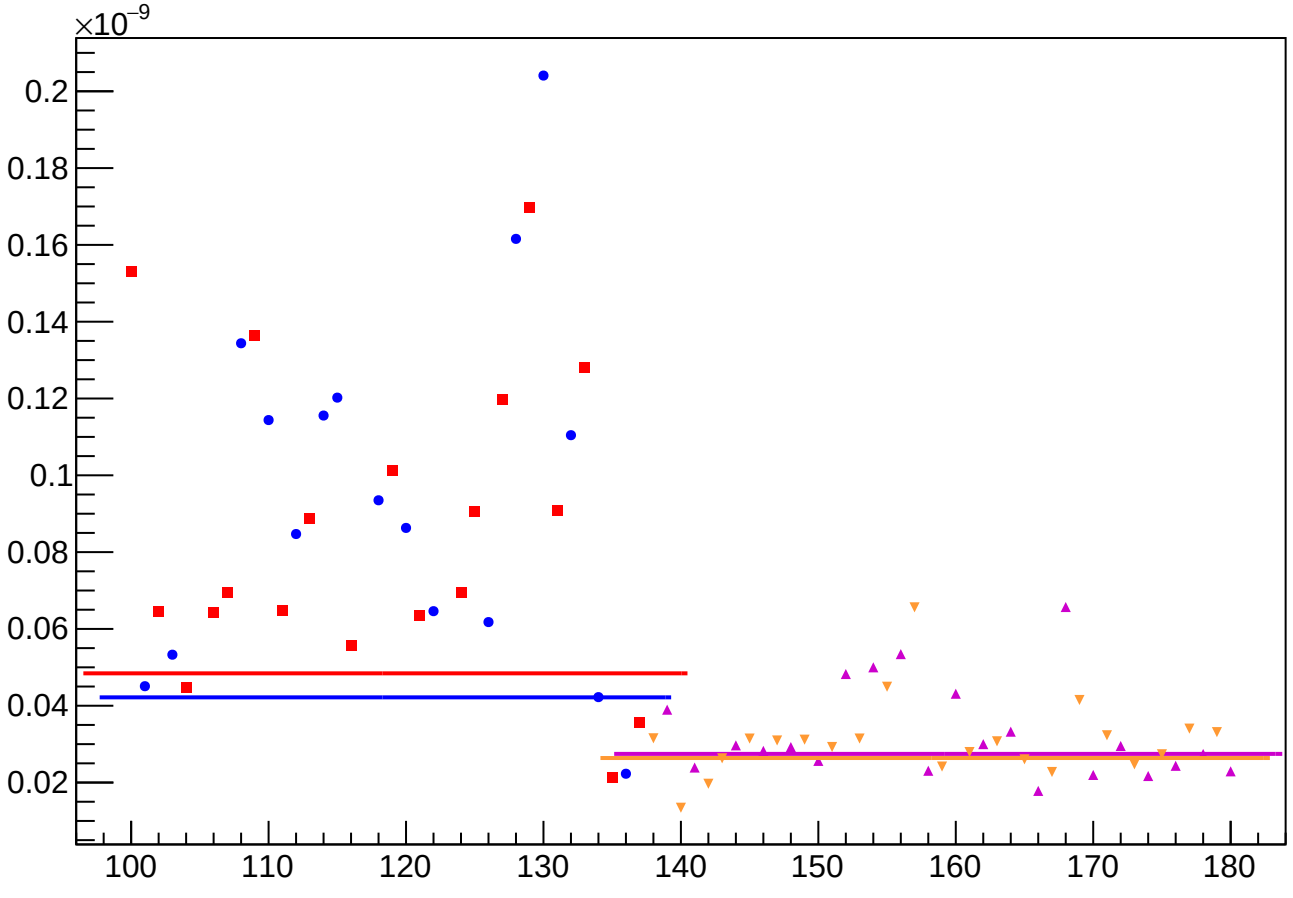
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:17.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/37

All: 0.000+/-0.000 χ^2/NDF: 89.5/77

- sign 0.000+/-0.000 χ^2/NDF: 40.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2021103.5/21

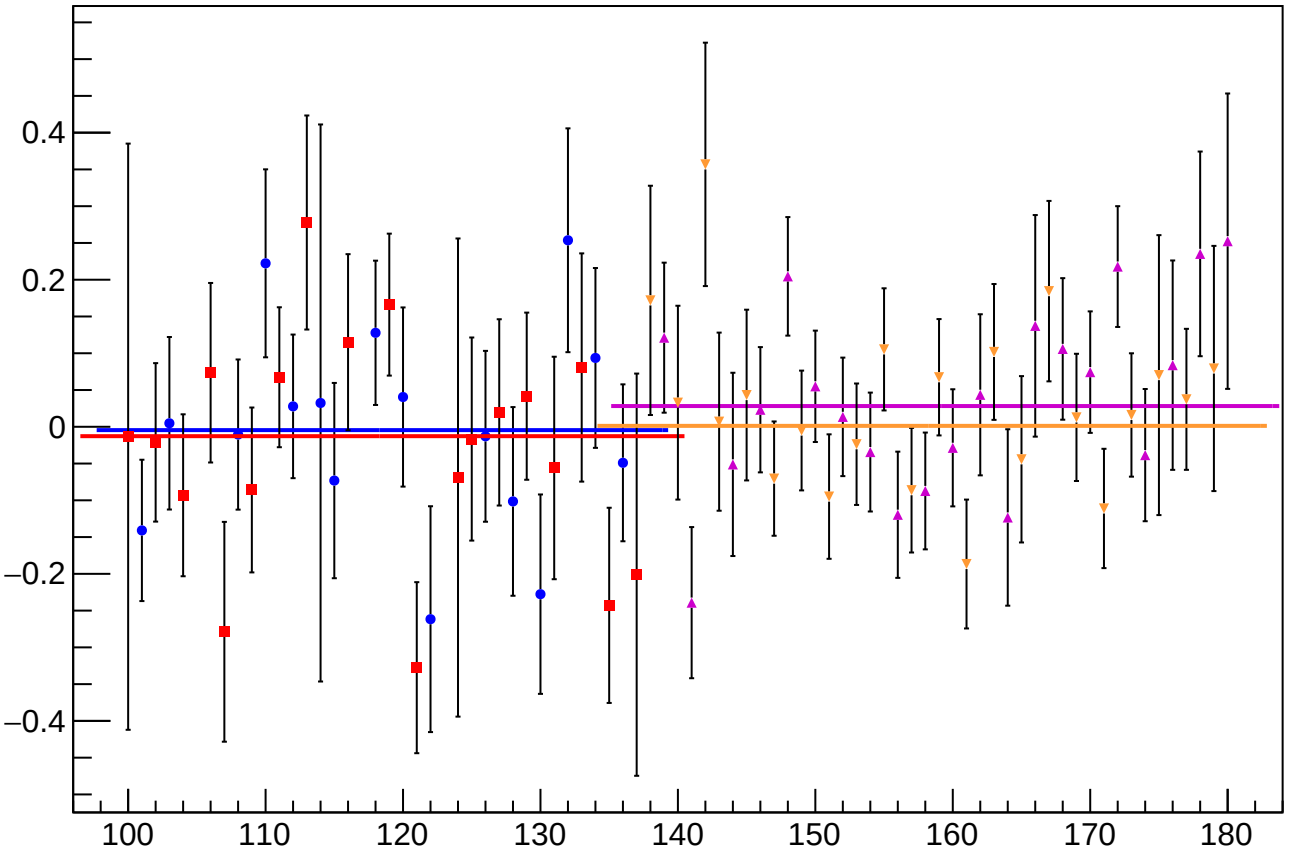
Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1971893.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 5712247.5/37

All: 0.000+/-0.000 χ^2/NDF: 11411996.1/77

- sign 0.000+/-0.000 χ^2/NDF: 5671939.2/39



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

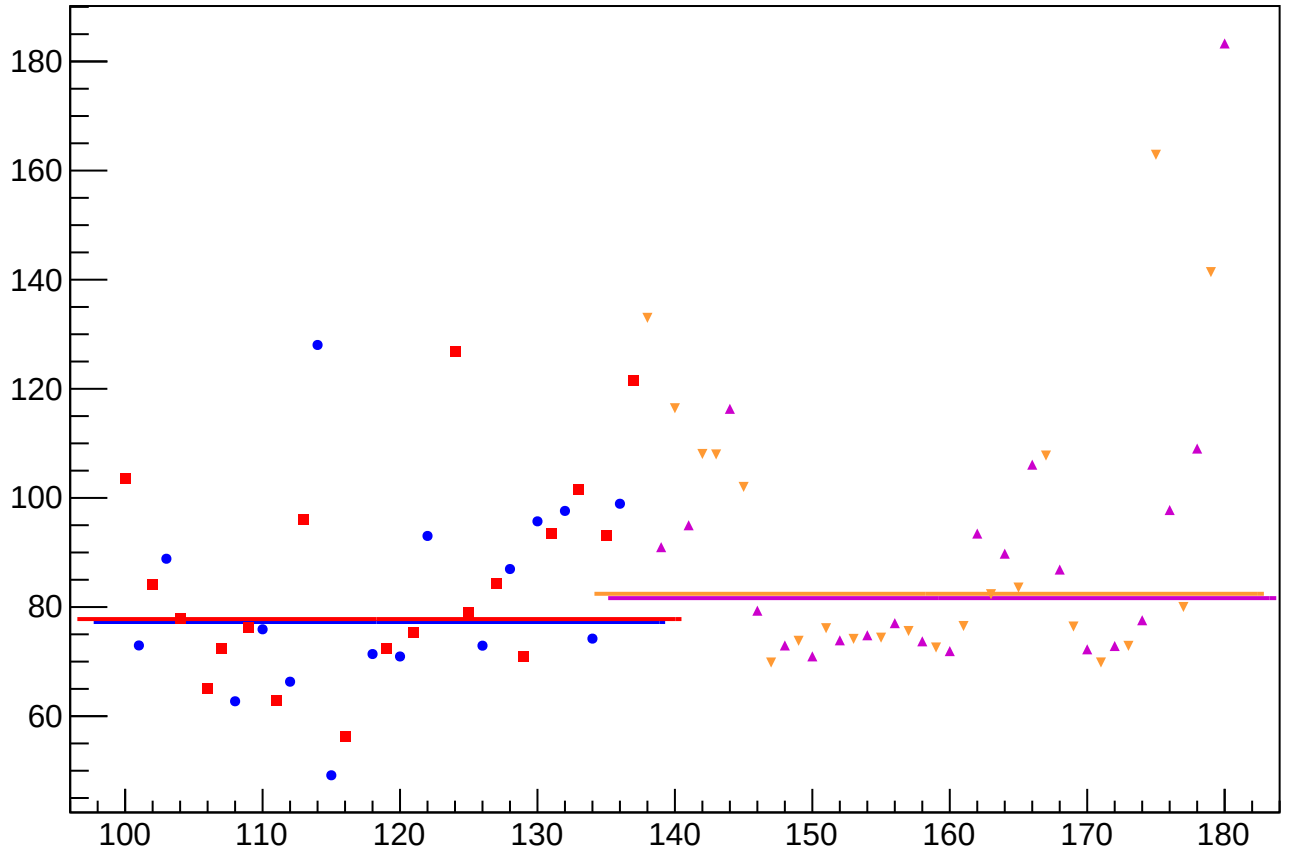
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.021 χ^2/NDF:31.7/20

+ sign -0.001+/-0.017 χ^2/NDF: 39.5/37

All: 0.007+/-0.012 χ^2/NDF: 98.4/77

- sign 0.015+/-0.017 χ^2/NDF: 58.5/39



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493183.3/21

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

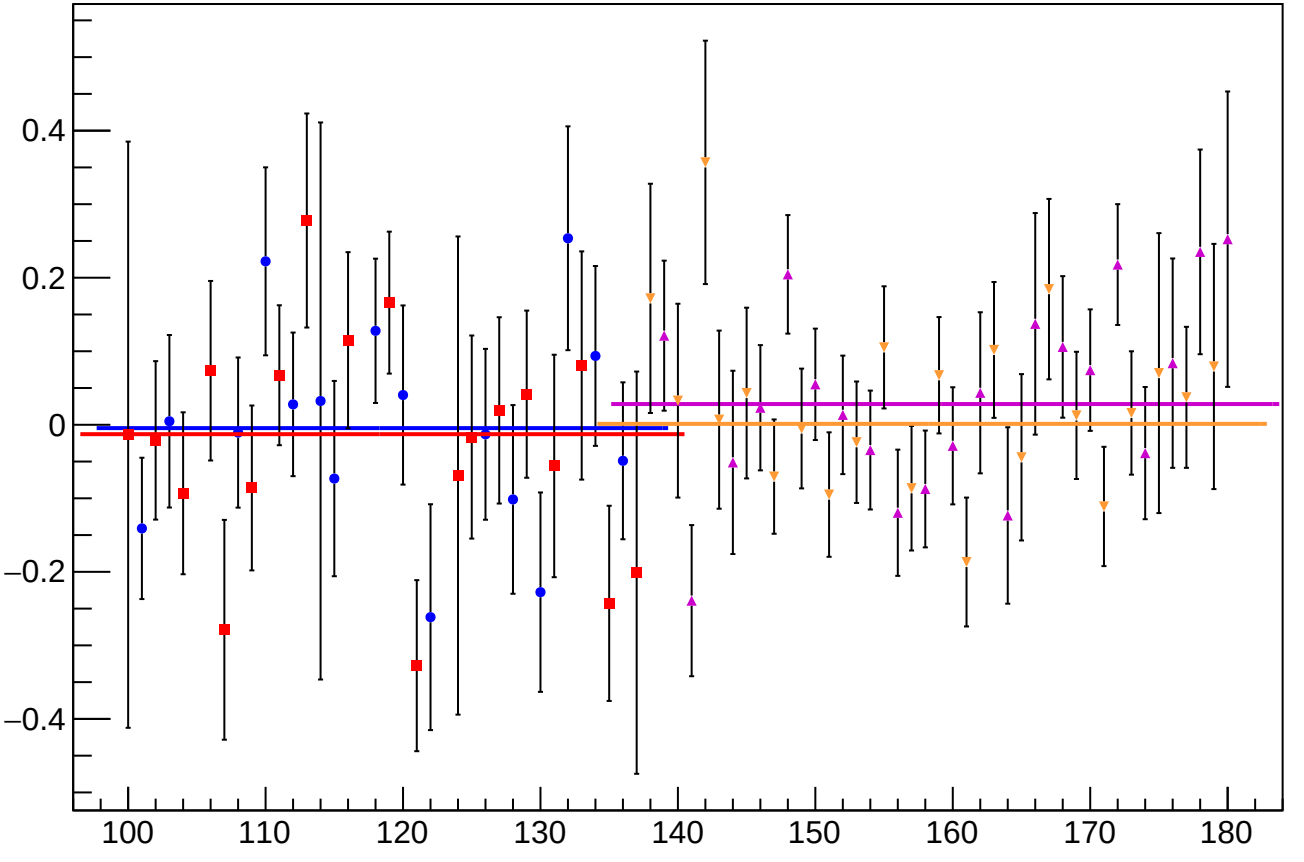
Left In: 81.634+/-0.015 χ^2/NDF:1117405.3/20

+ sign 80.758+/-0.012 χ^2/NDF: 1952551.8/37

All: 80.567+/-0.009 χ^2/NDF: 3489365.9/77

- 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: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

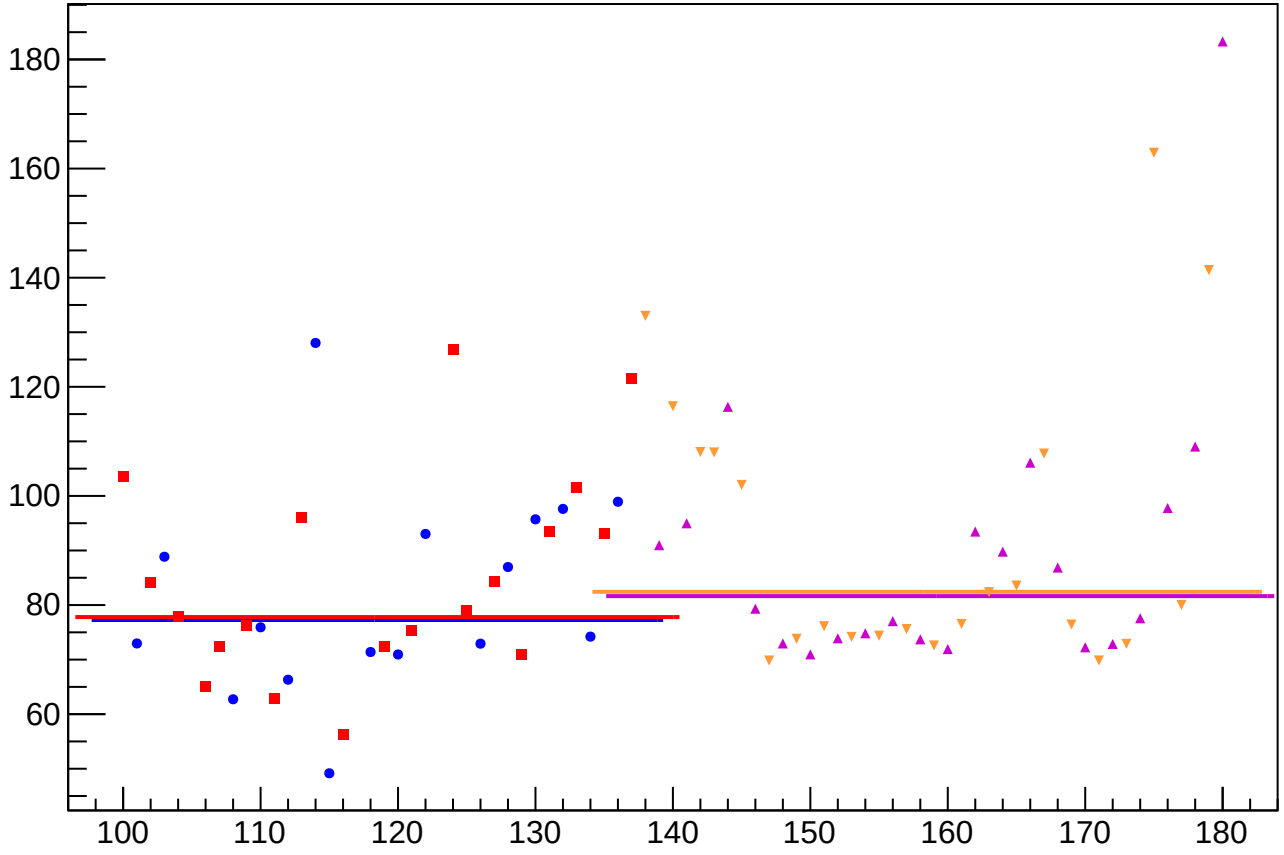
Left In: 0.028+/-0.021 χ^2/NDF:31.7/20

+ sign -0.001+/-0.017 χ^2/NDF: 39.5/37

All: 0.007+/-0.012 χ^2/NDF: 98.4/77

- 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: 82.431+/-0.015 χ^2/NDF:1493183.3/21

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

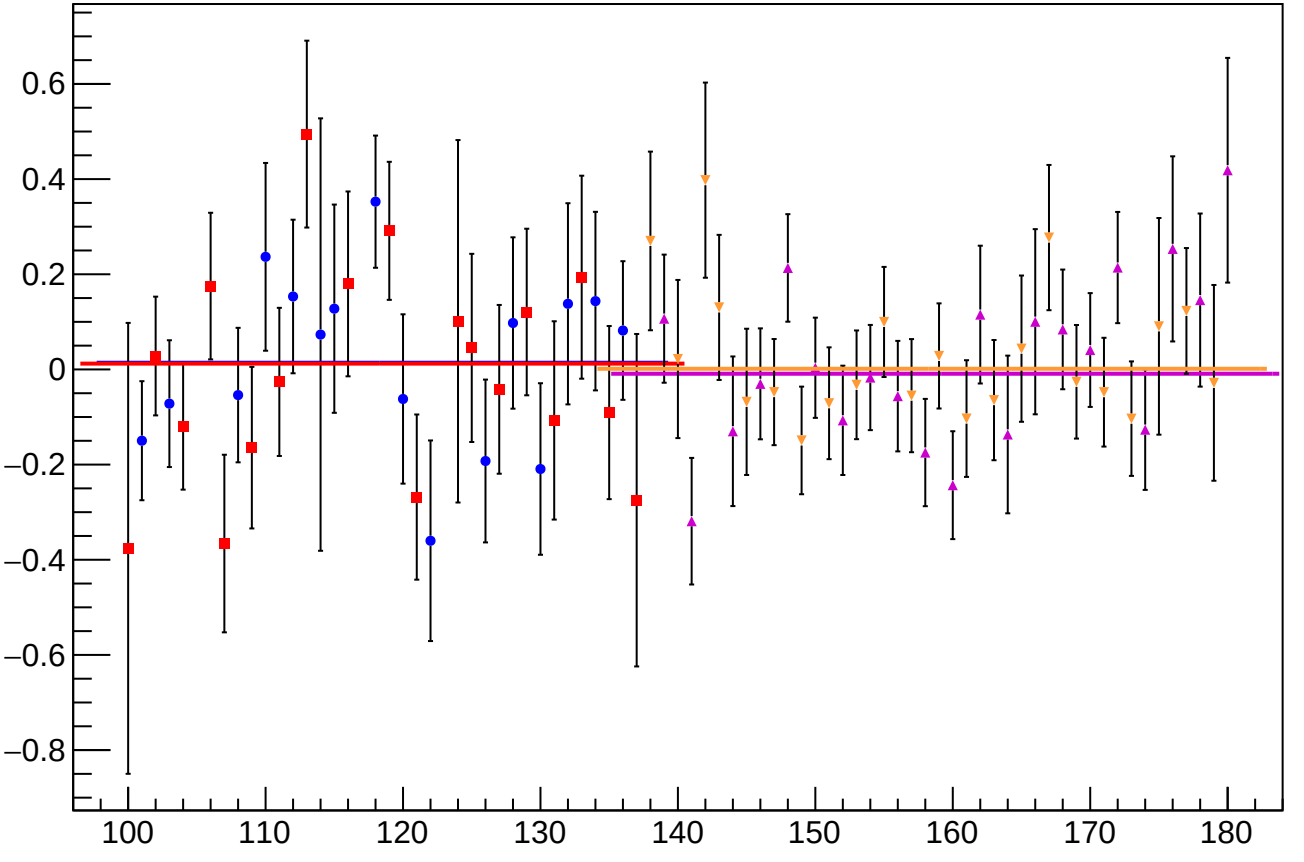
Left In: 81.634+/-0.015 χ^2/NDF:1117405.3/20

+ sign 80.758+/-0.012 χ^2/NDF: 1952551.8/37

All: 80.567+/-0.009 χ^2/NDF: 3489365.9/77

- sign 80.379+/-0.012 χ^2/NDF: 1536320.4/39

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.001+/-0.028 χ^2/NDF:16.5/21

Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

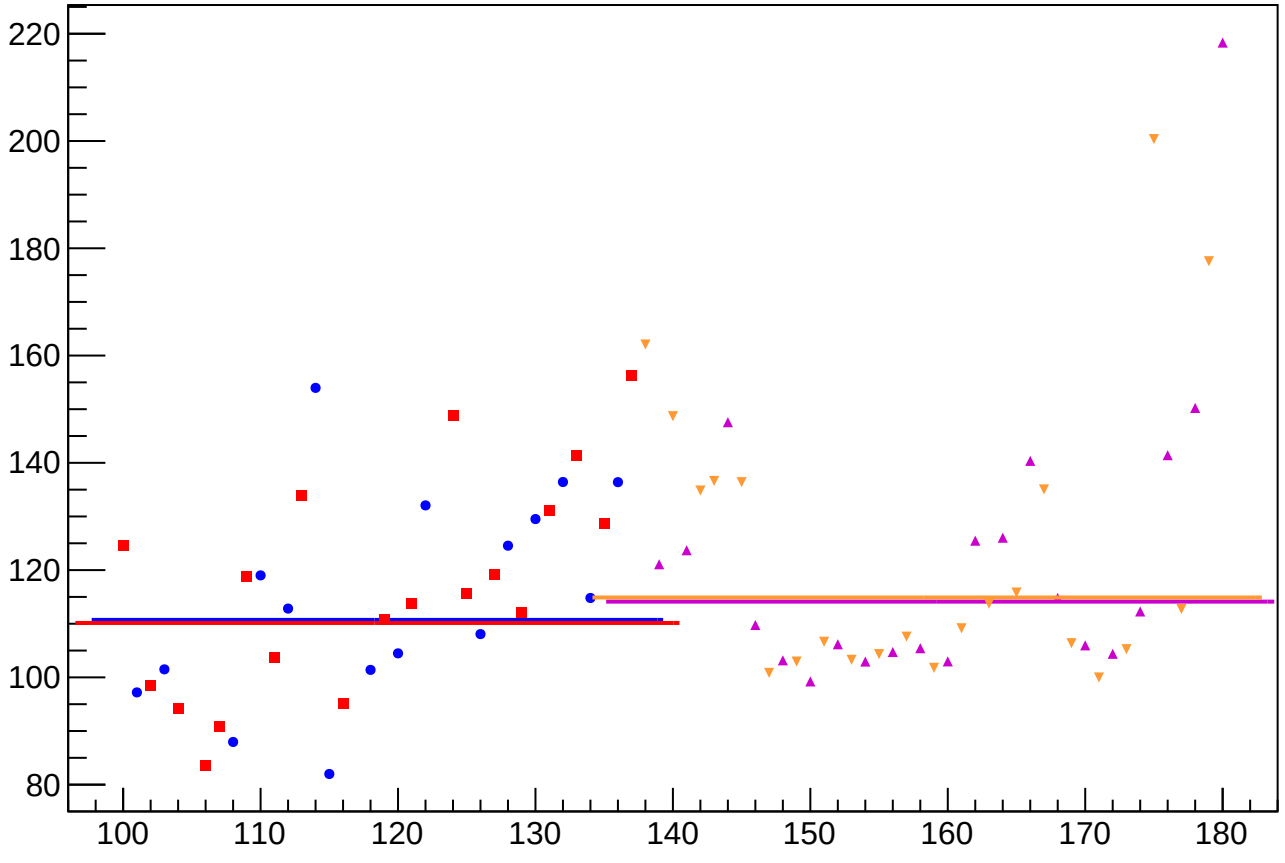
Left In: -0.009+/-0.028 χ^2/NDF:30.7/20

+ sign 0.005+/-0.024 χ^2/NDF: 34.8/37

All: 0.002+/-0.017 χ^2/NDF: 89.4/77

- 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: 114.893+/-0.020 χ^2/NDF:1009299.8/21

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

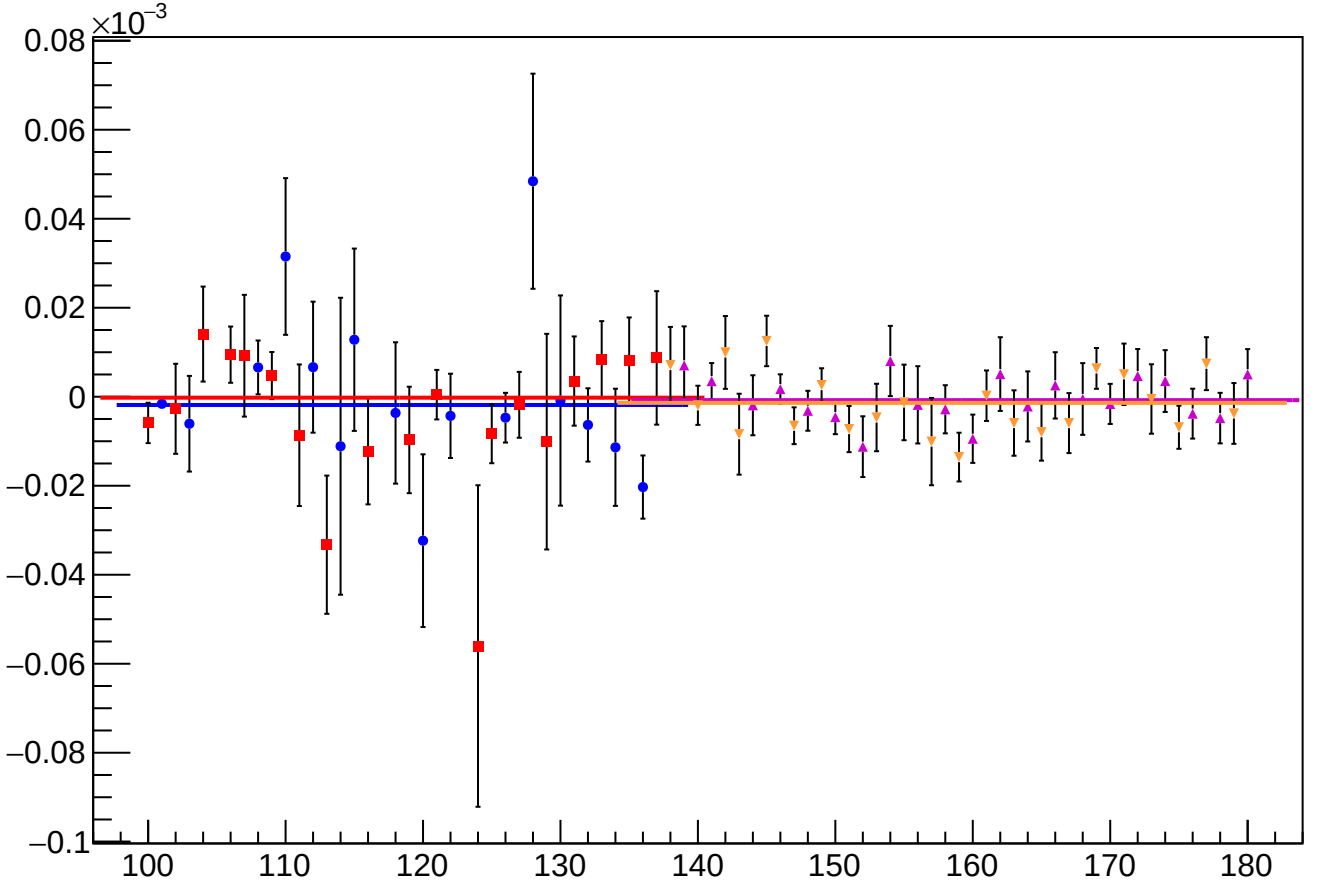
Left In: 114.121+/-0.020 χ^2/NDF:832537.4/20

\+ sign 113.593+/-0.017 χ^2/NDF: 1322737.2/37

All: 113.215+/-0.012 χ^2/NDF: 2495589.7/77

\- sign 112.842+/-0.017 χ^2/NDF: 1171831.5/39

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

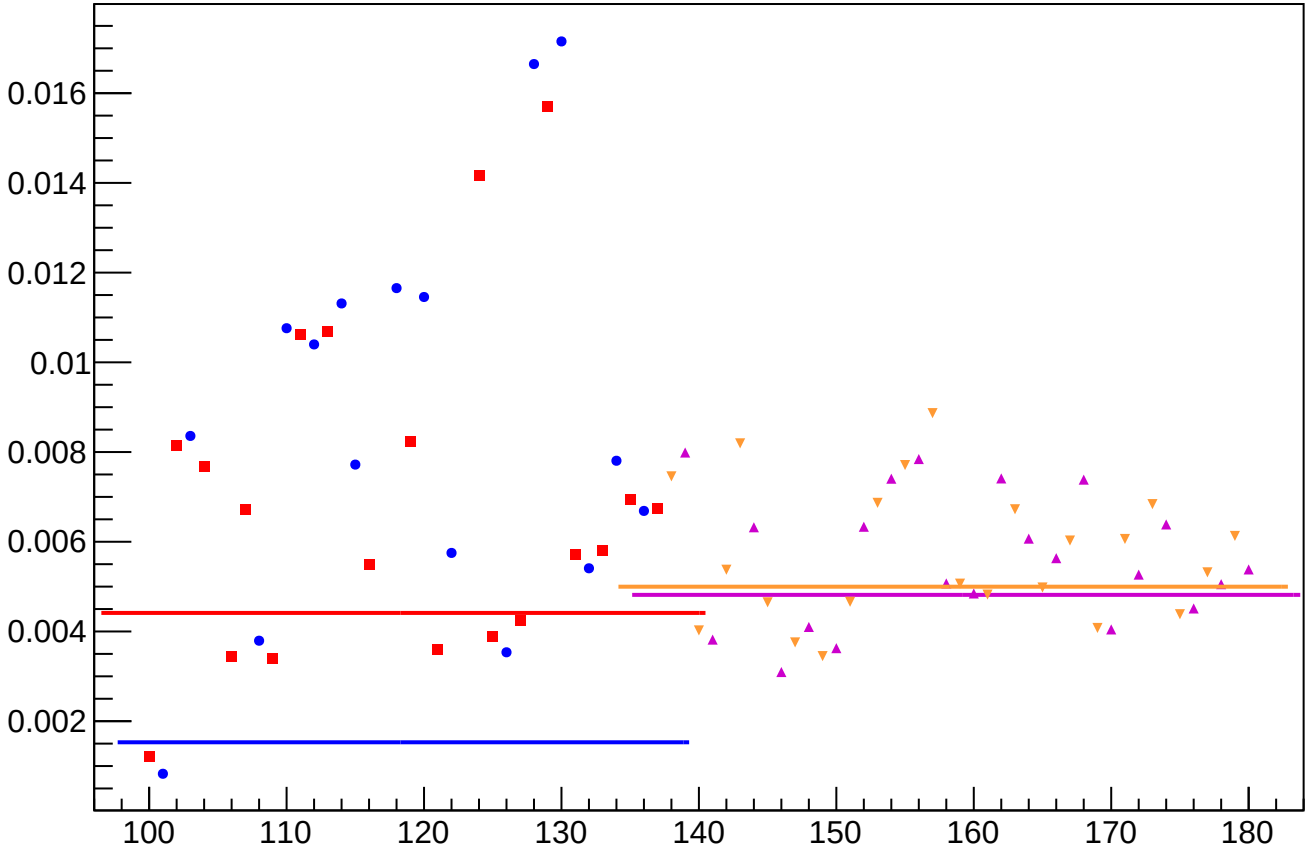
Left In: -0.000+/-0.000 χ^2/NDF:13.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/37

All: -0.000+/-0.000 χ^2/NDF: 84.7/77

- 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:2174619.6/21

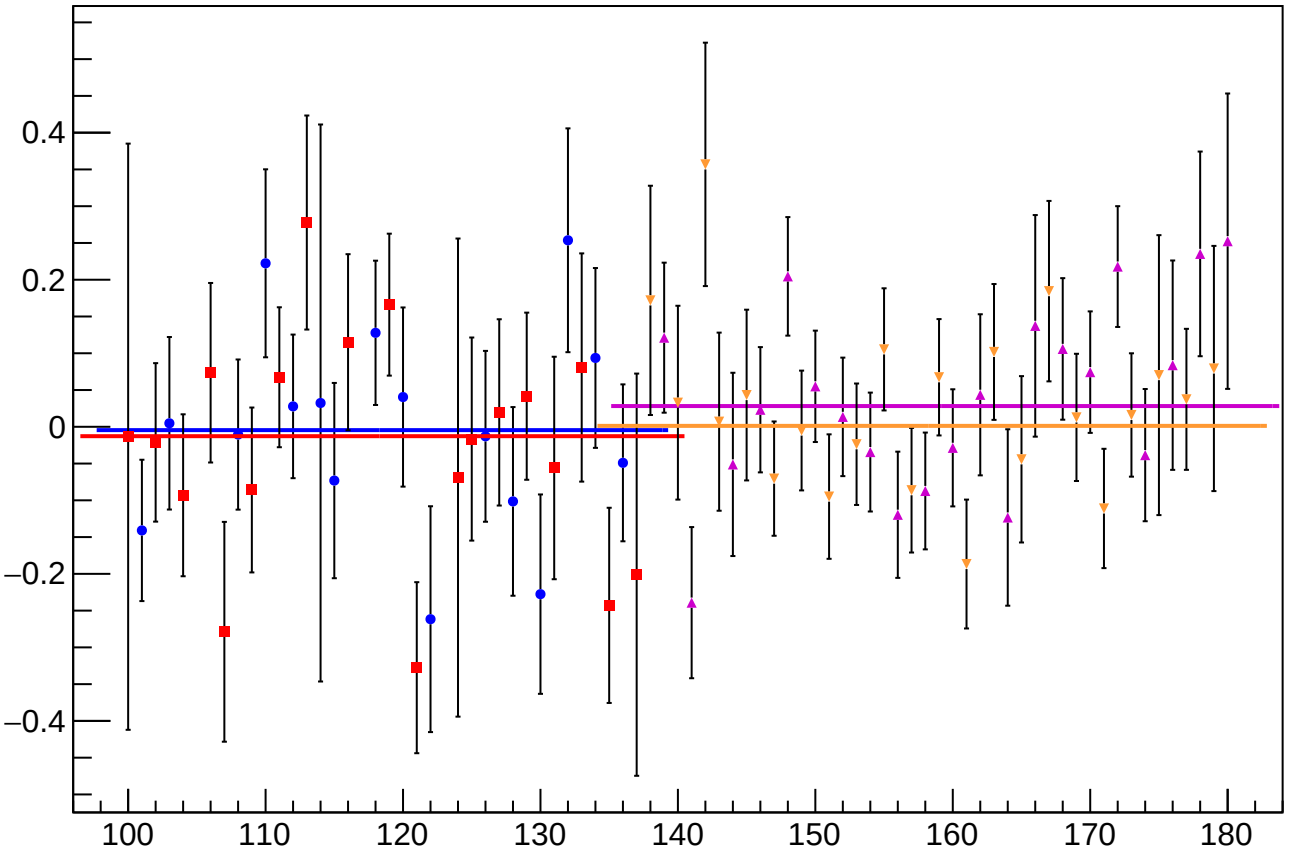
Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2501303.6/20

\+ sign 0.003+/-0.000 χ^2/NDF: 20967289.6/37

All: 0.004+/-0.000 χ^2/NDF: 31153651.2/77

\- sign 0.005+/-0.000 χ^2/NDF: 5951867.0/39



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

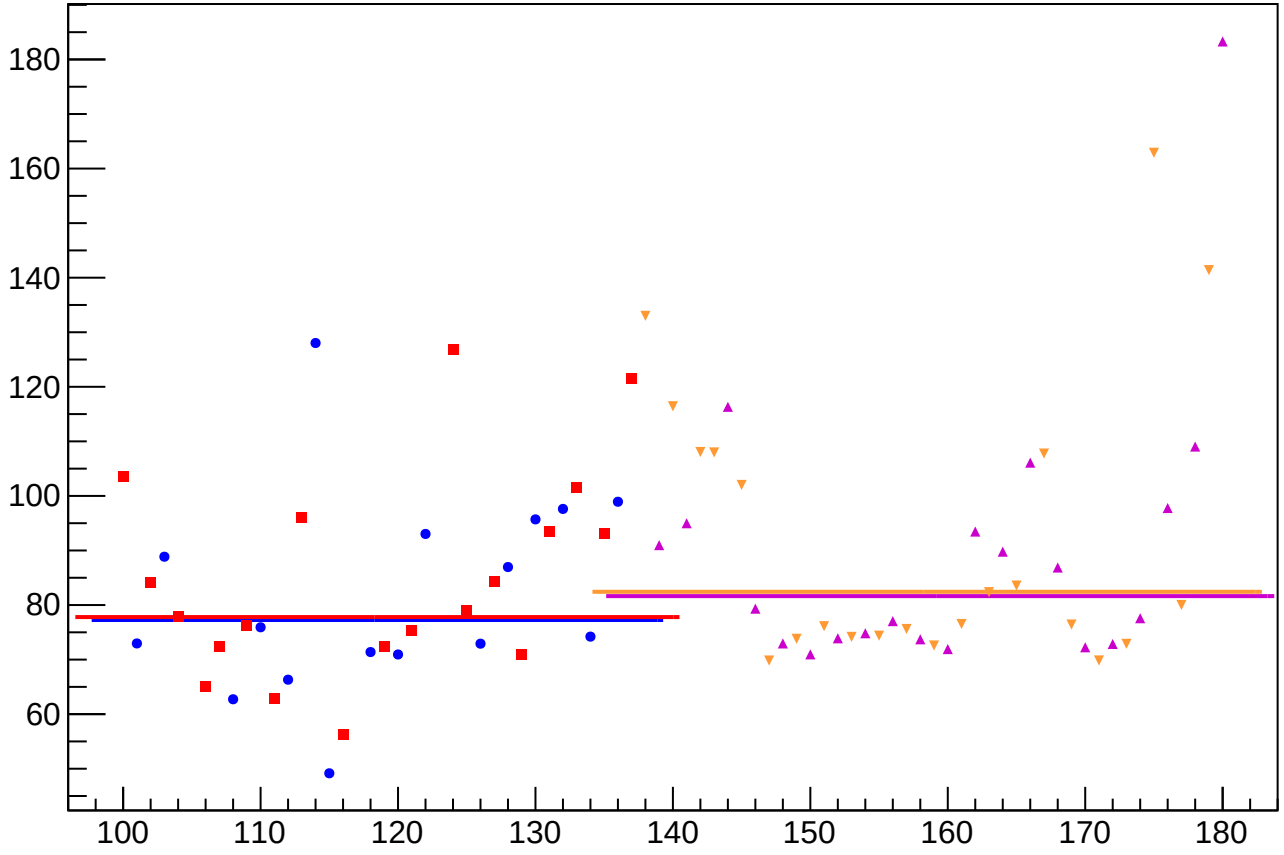
Left In: 0.028+/-0.021 χ^2/NDF:31.7/20

+ sign -0.001+/-0.017 χ^2/NDF: 39.5/37

All: 0.007+/-0.012 χ^2/NDF: 98.4/77

- 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: 82.431+/-0.015 χ^2/NDF:1493174.5/21

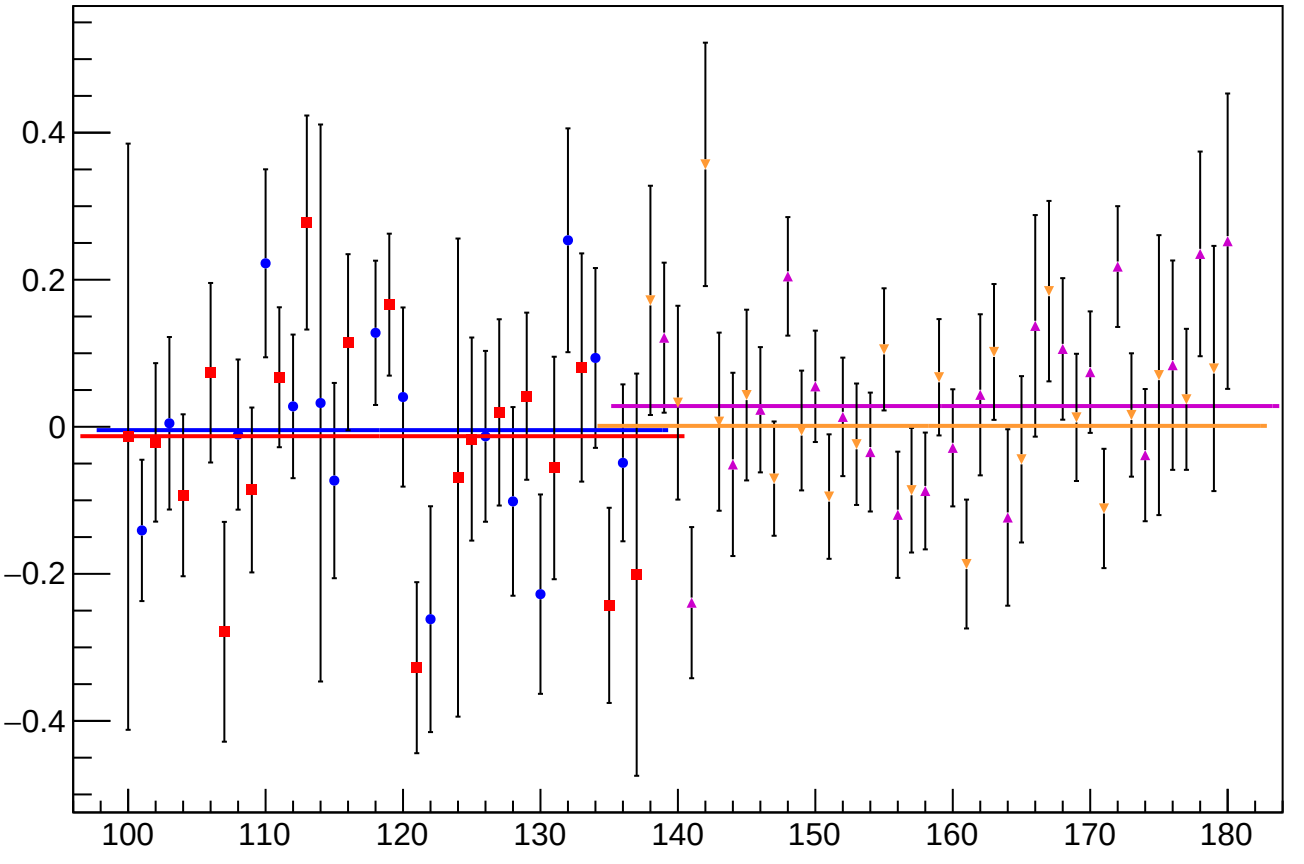
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 81.635+/-0.015 χ^2/NDF:1117400.4/20

+ sign 80.758+/-0.012 χ^2/NDF: 1952564.5/37

All: 80.567+/-0.009 χ^2/NDF: 3489395.6/77

- 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: 0.001+/-0.021 χ^2/NDF:22.2/21

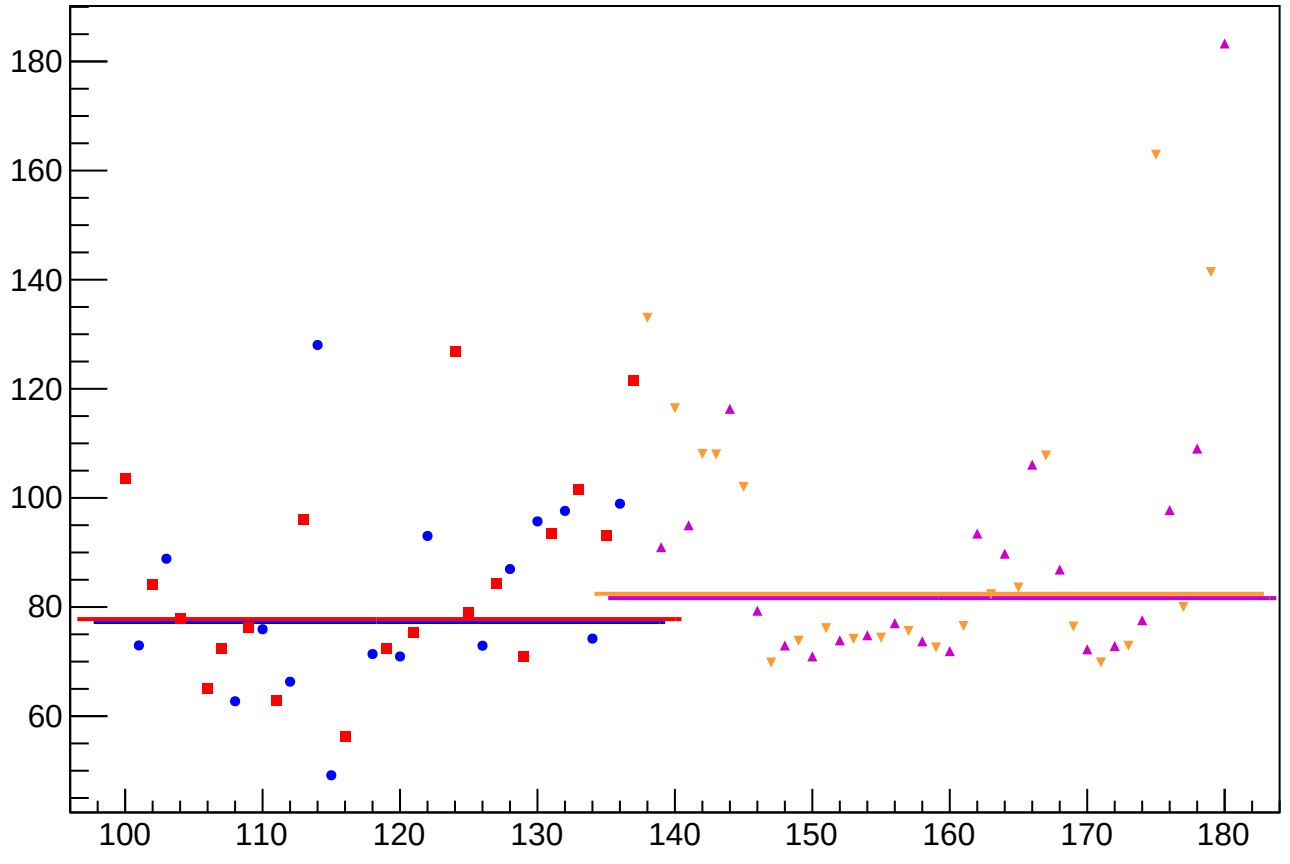
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.021 χ^2/NDF:31.7/20

+ sign -0.001+/-0.017 χ^2/NDF: 39.5/37

All: 0.007+/-0.012 χ^2/NDF: 98.4/77

- 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: 82.431+/-0.015 χ^2/NDF:1493174.5/21

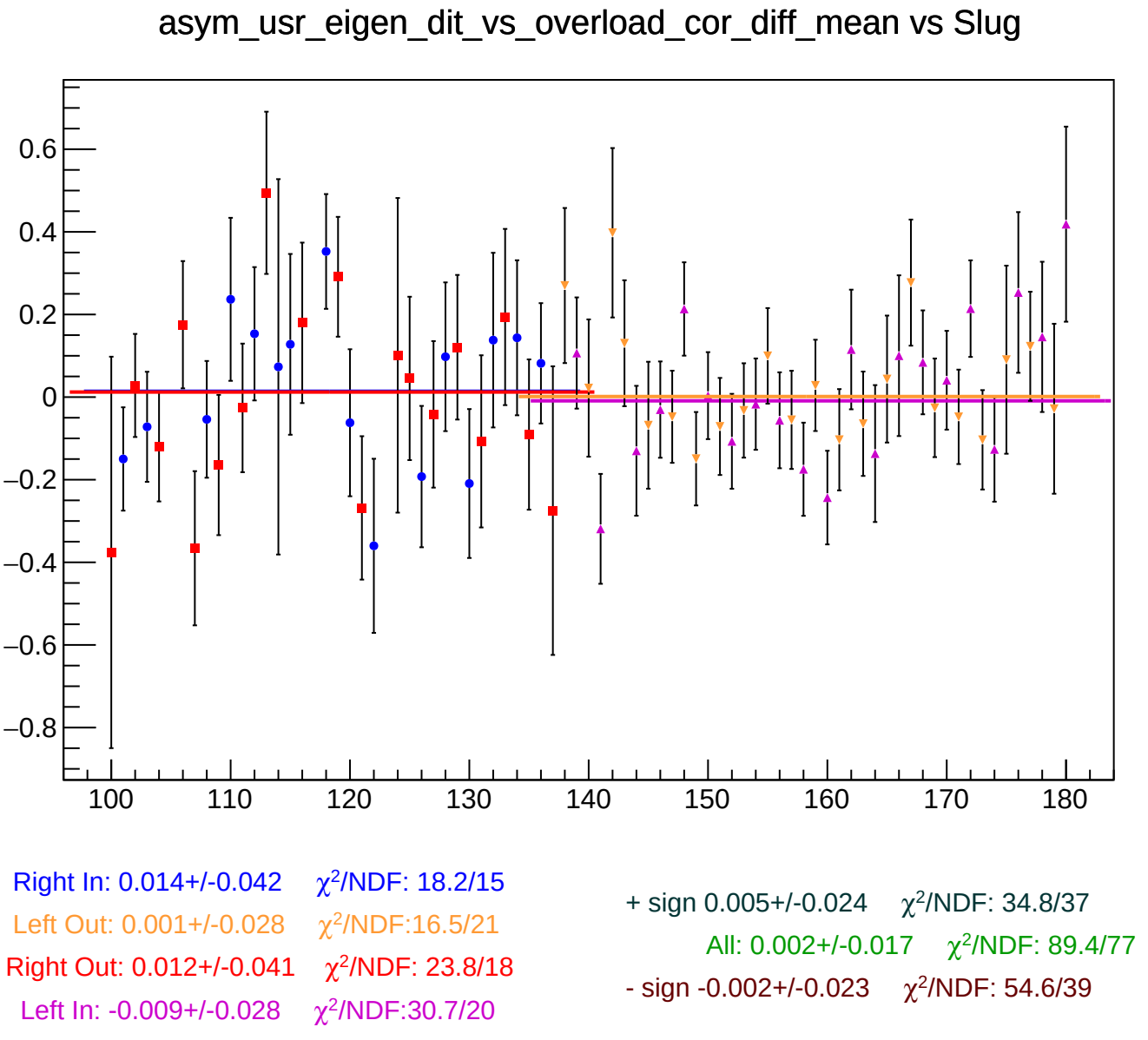
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

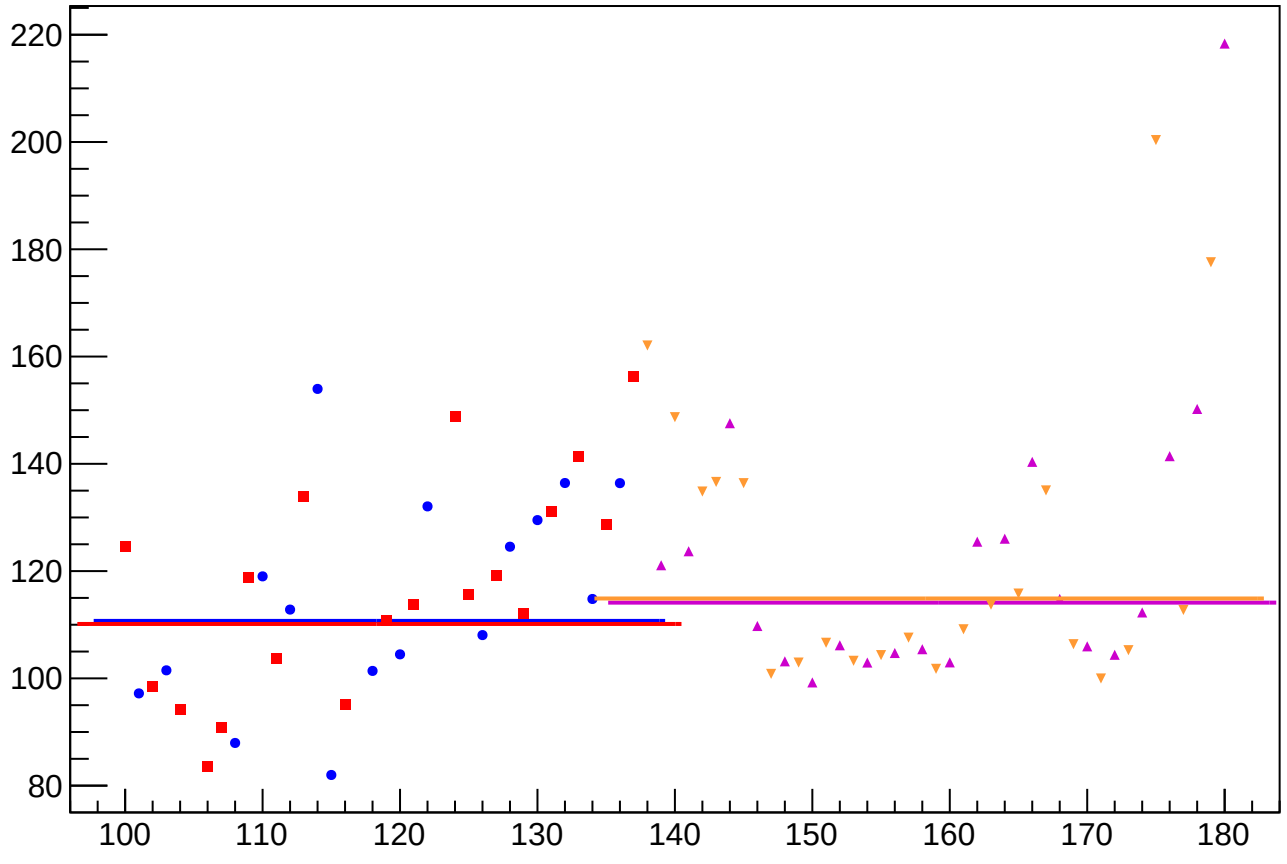
Left In: 81.635+/-0.015 χ^2/NDF:1117400.4/20

+ sign 80.758+/-0.012 χ^2/NDF: 1952564.5/37

All: 80.567+/-0.009 χ^2/NDF: 3489395.6/77

- sign 80.379+/-0.012 χ^2/NDF: 1536337.1/39


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.001+/-0.028 χ²/NDF:16.5/21
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.009+/-0.028 χ²/NDF:30.7/20
+ sign 0.005+/-0.024 χ²/NDF: 34.8/37
All: 0.002+/-0.017 χ²/NDF: 89.4/77
- sign -0.002+/-0.023 χ²/NDF: 54.6/39



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 114.894+/-0.020 χ^2/NDF:1009294.4/21

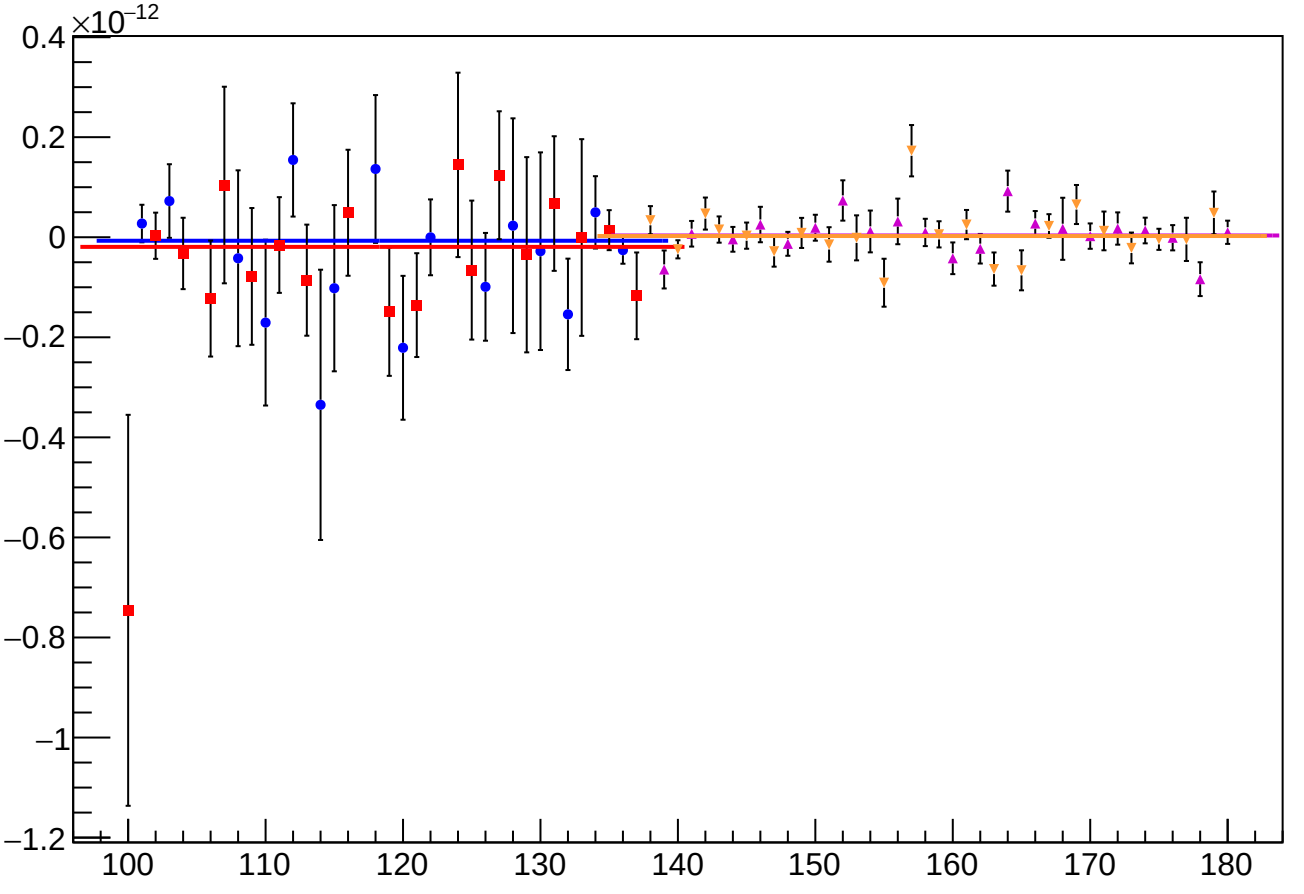
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

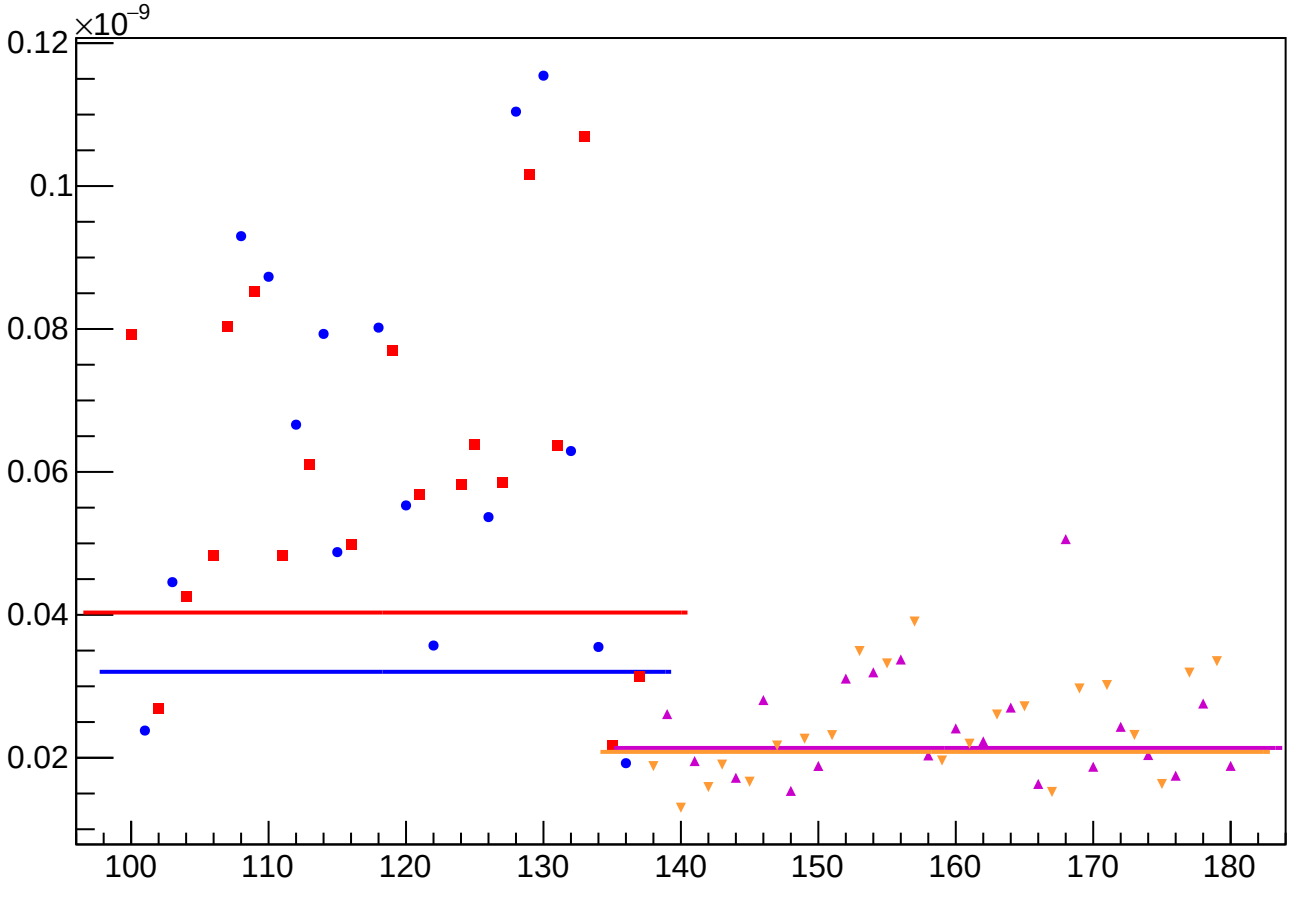
Left In: 114.121+/-0.020 χ^2/NDF:832536.3/20

+ sign 113.593+/-0.017 χ^2/NDF: 1322716.3/37

All: 113.215+/-0.012 χ^2/NDF: 2495545.2/77

- sign 112.842+/-0.017 χ^2/NDF: 1171807.9/39


asym_usr_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: 0.000+/-0.000 χ²/NDF:34.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/18
Left In: 0.000+/-0.000 χ²/NDF:23.7/20
+ sign 0.000+/-0.000 χ²/NDF: 48.4/37
All: 0.000+/-0.000 χ²/NDF: 85.7/77
- sign 0.000+/-0.000 χ²/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:1940645.3/21

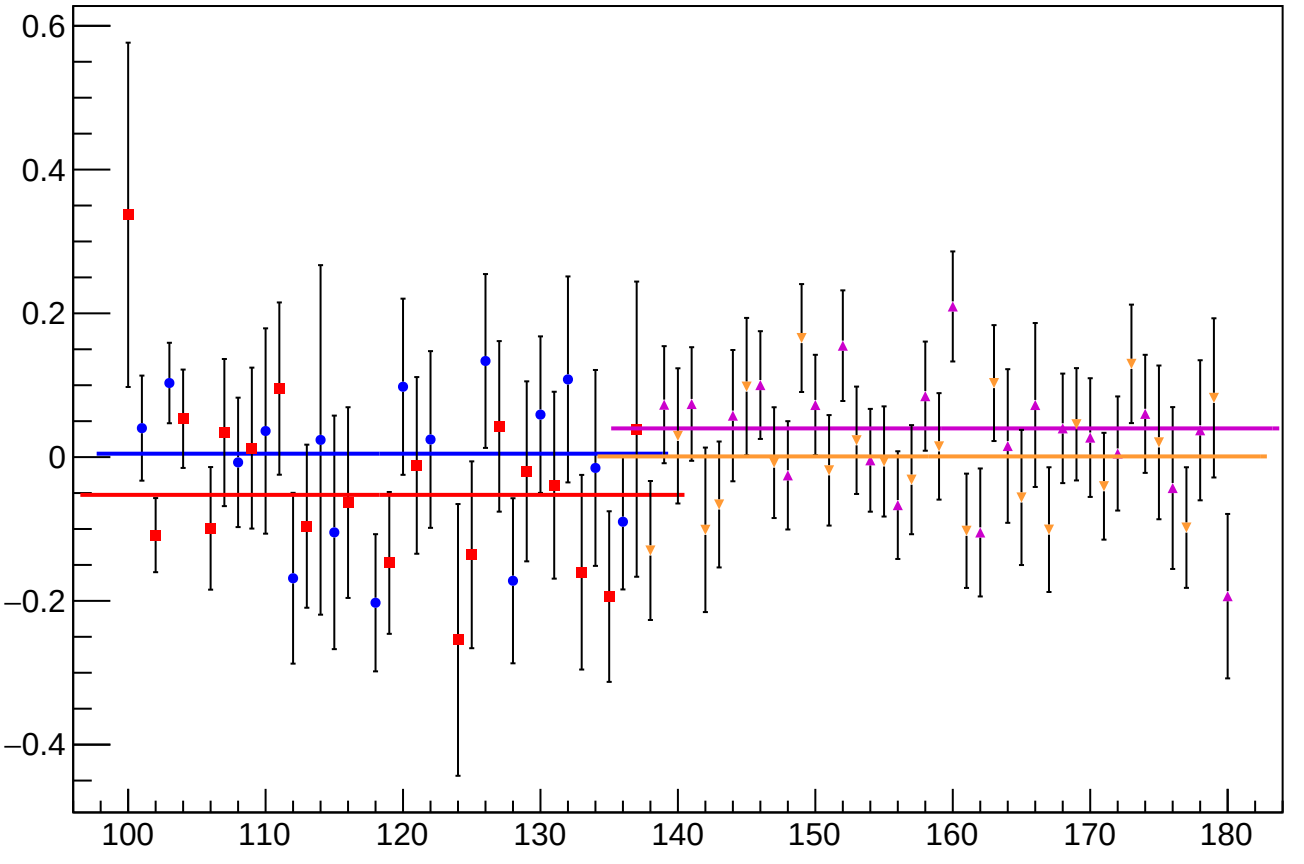
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1469542.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 5092527.2/37

All: 0.000+/-0.000 χ^2/NDF: 9921149.8/77

- sign 0.000+/-0.000 χ^2/NDF: 4807094.1/39



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.001+/-0.018 χ^2/NDF:19.6/21

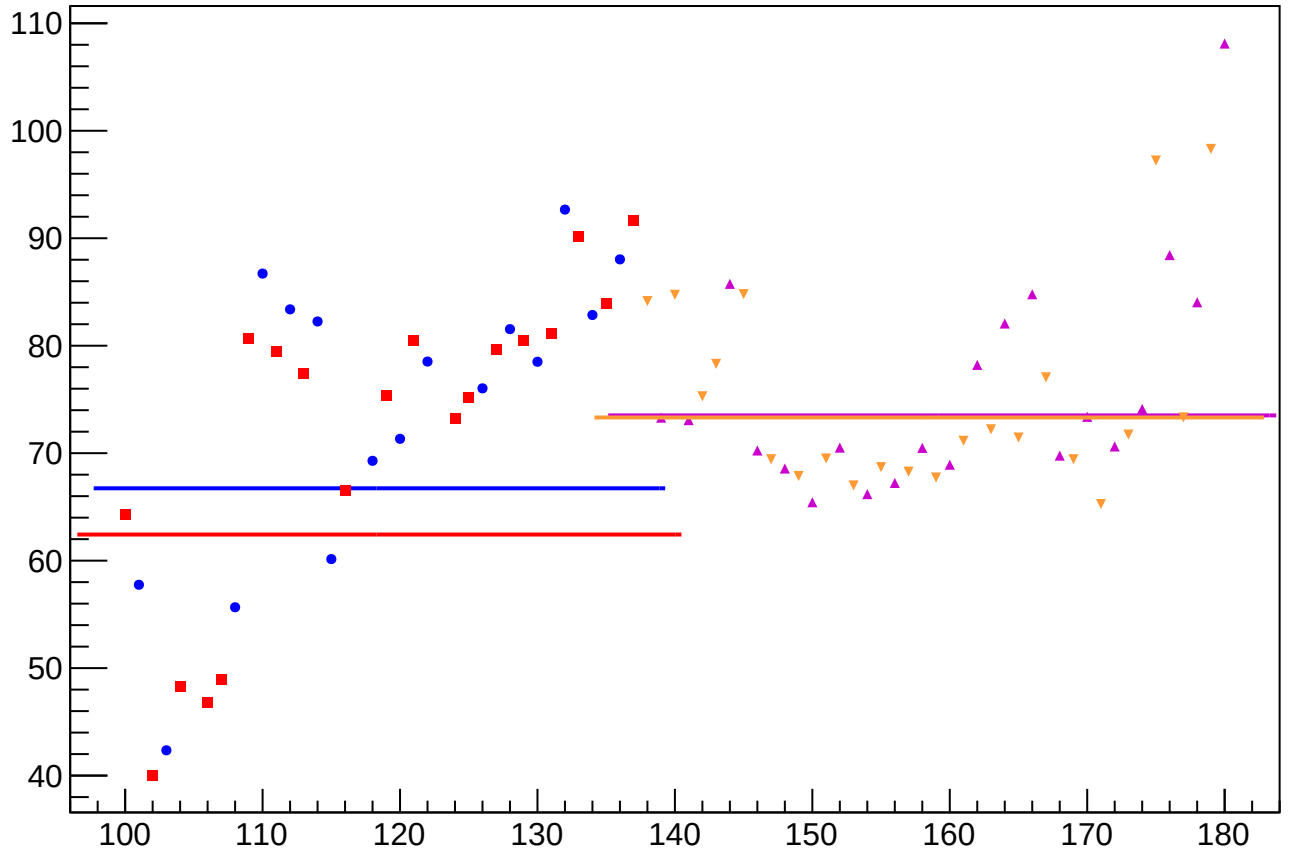
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.040+/-0.018 χ^2/NDF:19.7/20

+ sign 0.002+/-0.015 χ^2/NDF: 36.3/37

All: 0.004+/-0.010 χ^2/NDF: 80.2/77

- 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: 73.321+/-0.013 χ^2/NDF:390197.7/21

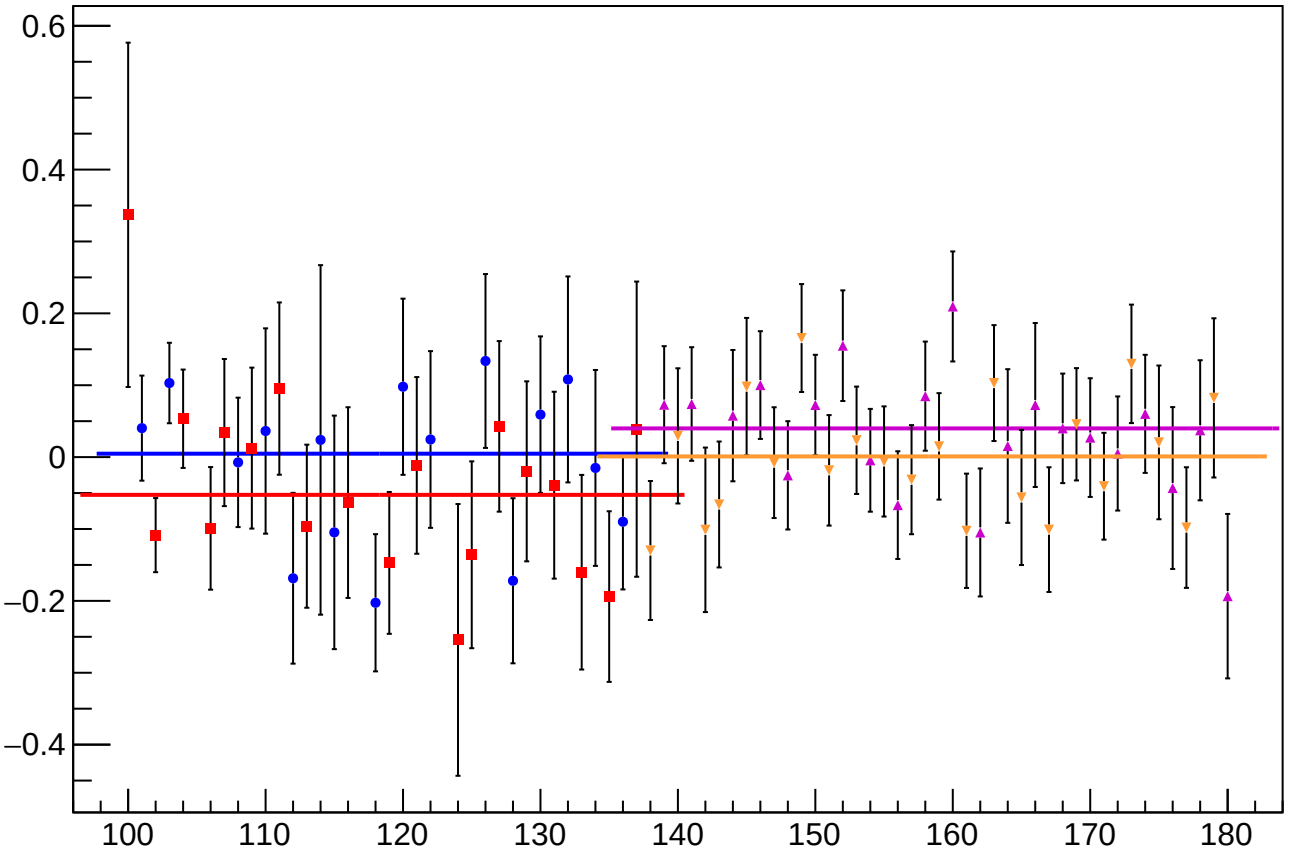
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.514+/-0.013 χ^2/NDF:410638.7/20

+ sign 71.189+/-0.010 χ^2/NDF: 1294507.4/37

All: 70.337+/-0.007 χ^2/NDF: 3103126.5/77

- 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: 0.001+/-0.018 χ^2/NDF:19.6/21

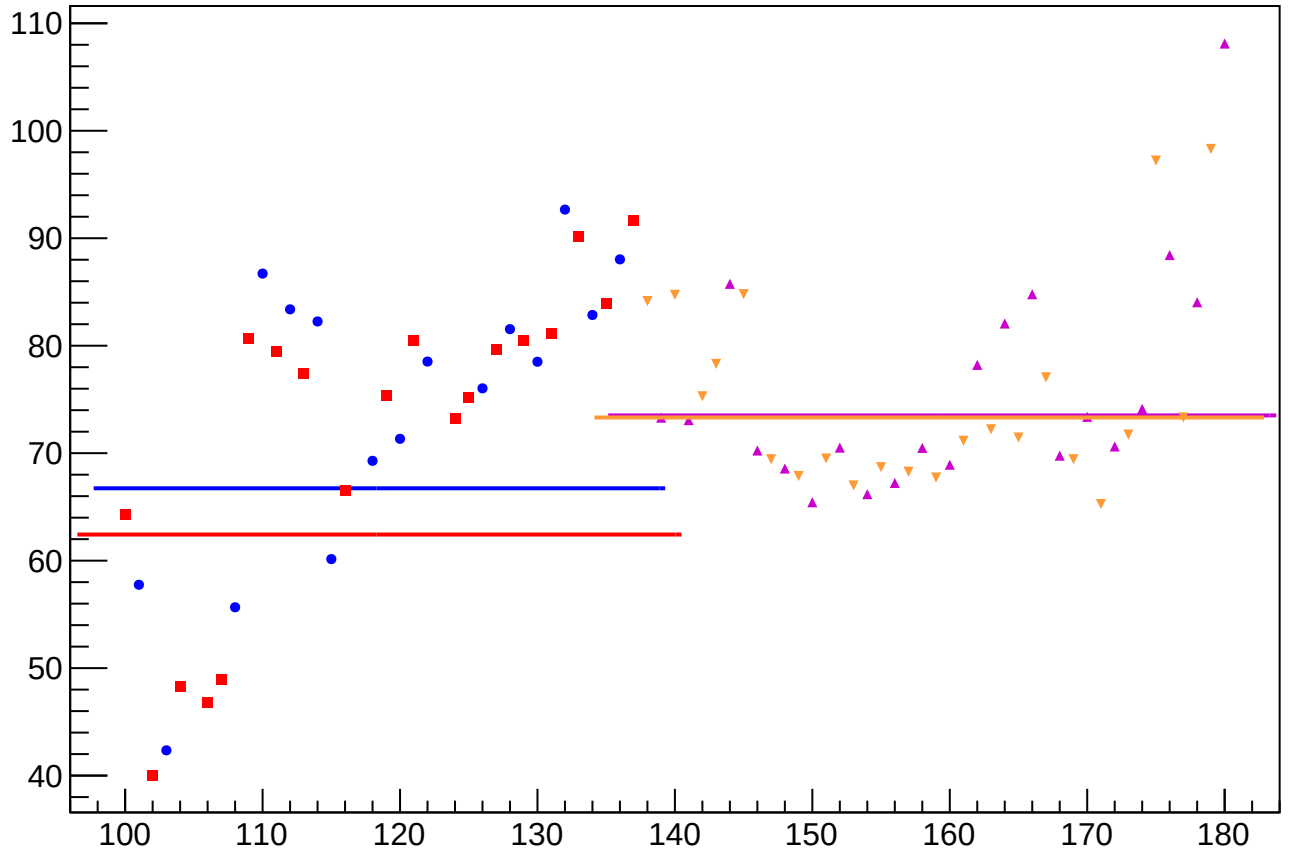
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.040+/-0.018 χ^2/NDF:19.7/20

+ sign 0.002+/-0.015 χ^2/NDF: 36.3/37

All: 0.004+/-0.010 χ^2/NDF: 80.2/77

- 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: 73.321+/-0.013 χ^2/NDF:390197.7/21

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

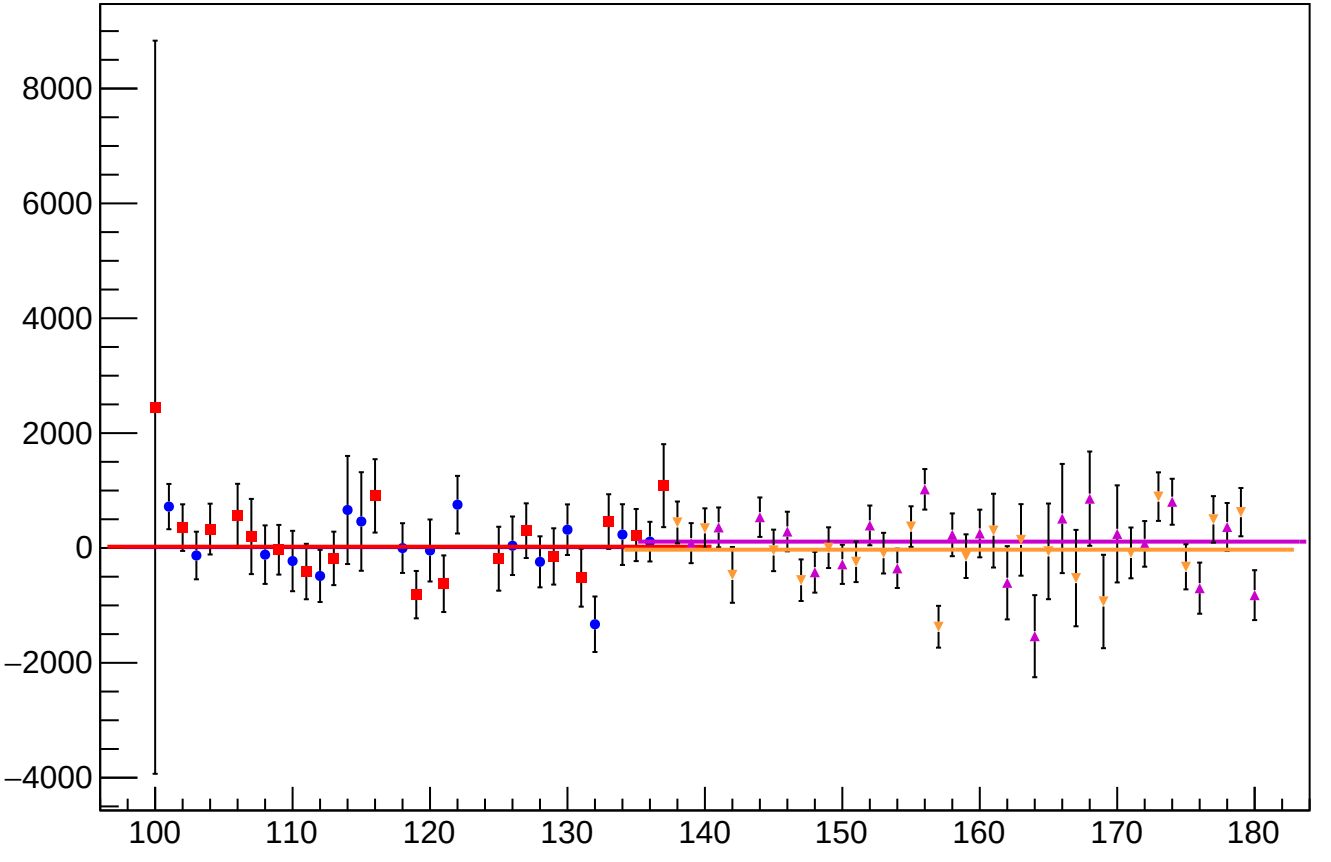
Left In: 73.514+/-0.013 χ^2/NDF:410638.7/20

+ sign 71.189+/-0.010 χ^2/NDF: 1294507.4/37

All: 70.337+/-0.007 χ^2/NDF: 3103126.5/77

- 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: -29.566+/-91.254 χ^2/NDF:32.6/20

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

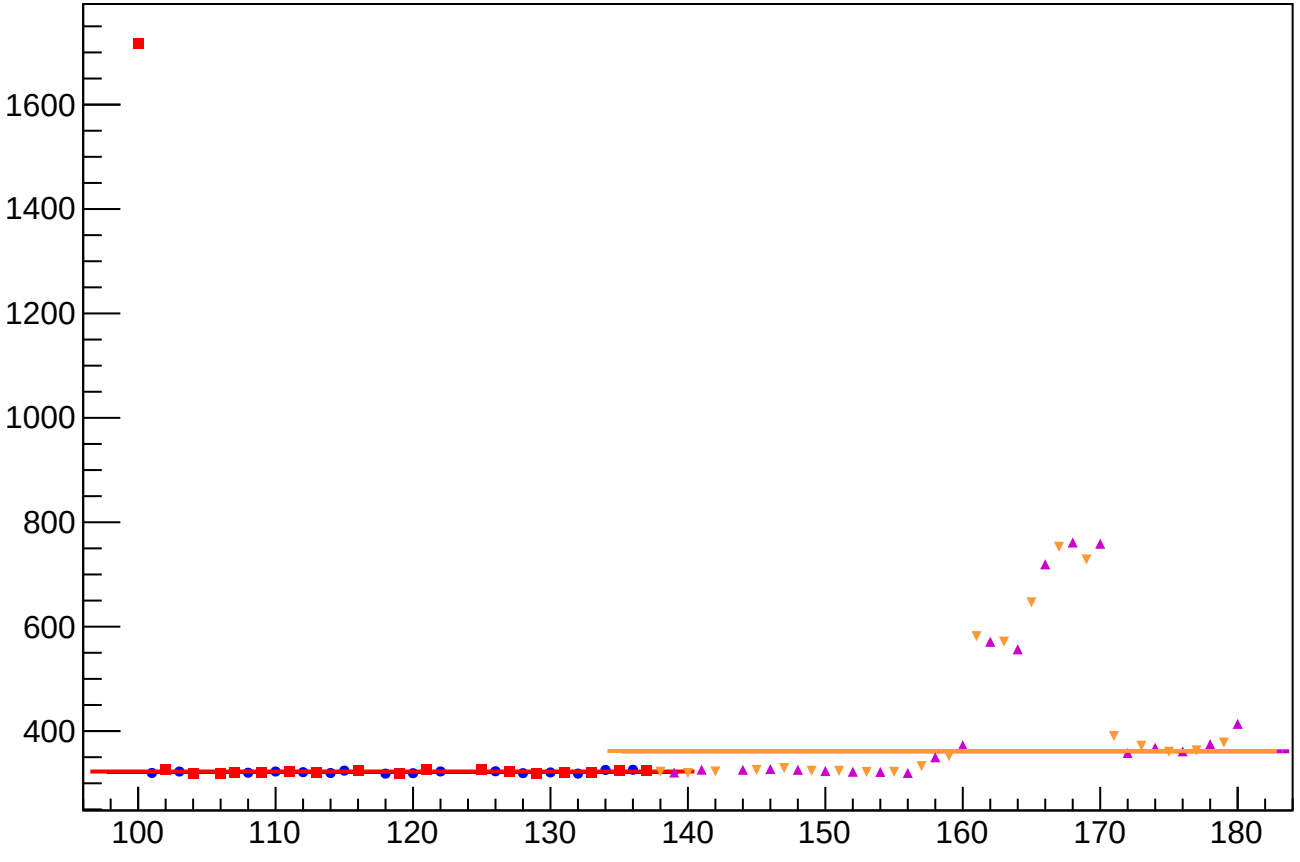
Left In: 110.559+/-89.478 χ^2/NDF:34.2/20

+ sign -12.948+/-72.510 χ^2/NDF: 49.2/36

All: 33.478+/-50.934 χ^2/NDF: 100.6/75

- 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: 361.969+/-0.065 χ^2/NDF:1762008.4/20

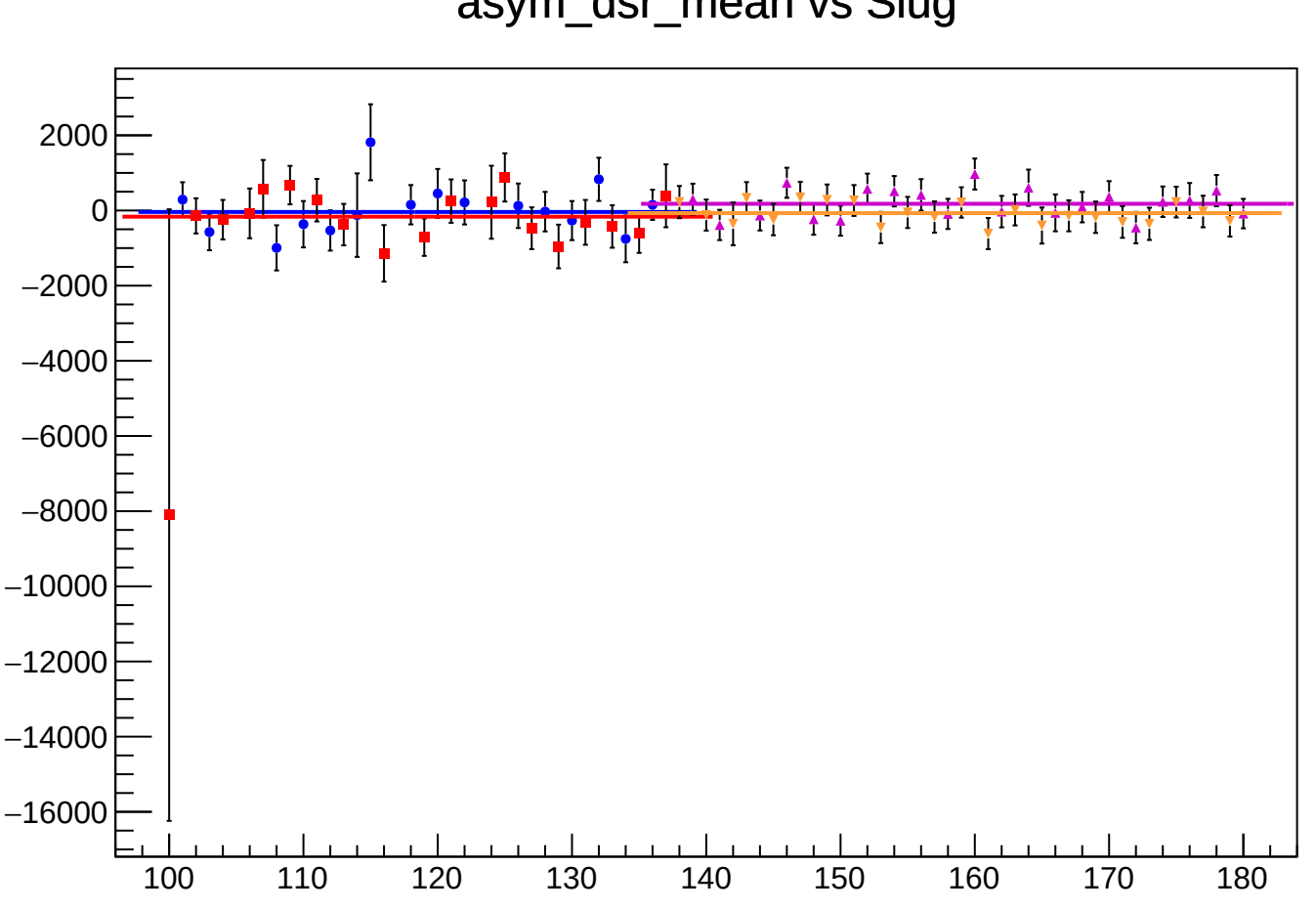
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 361.266+/-0.063 χ^2/NDF:1815653.7/20

+ sign 347.090+/-0.051 χ^2/NDF: 1907078.5/36

All: 347.204+/-0.036 χ^2/NDF: 3954544.2/75

- 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: -70.031+/-90.147 χ^2/NDF:9.5/21

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

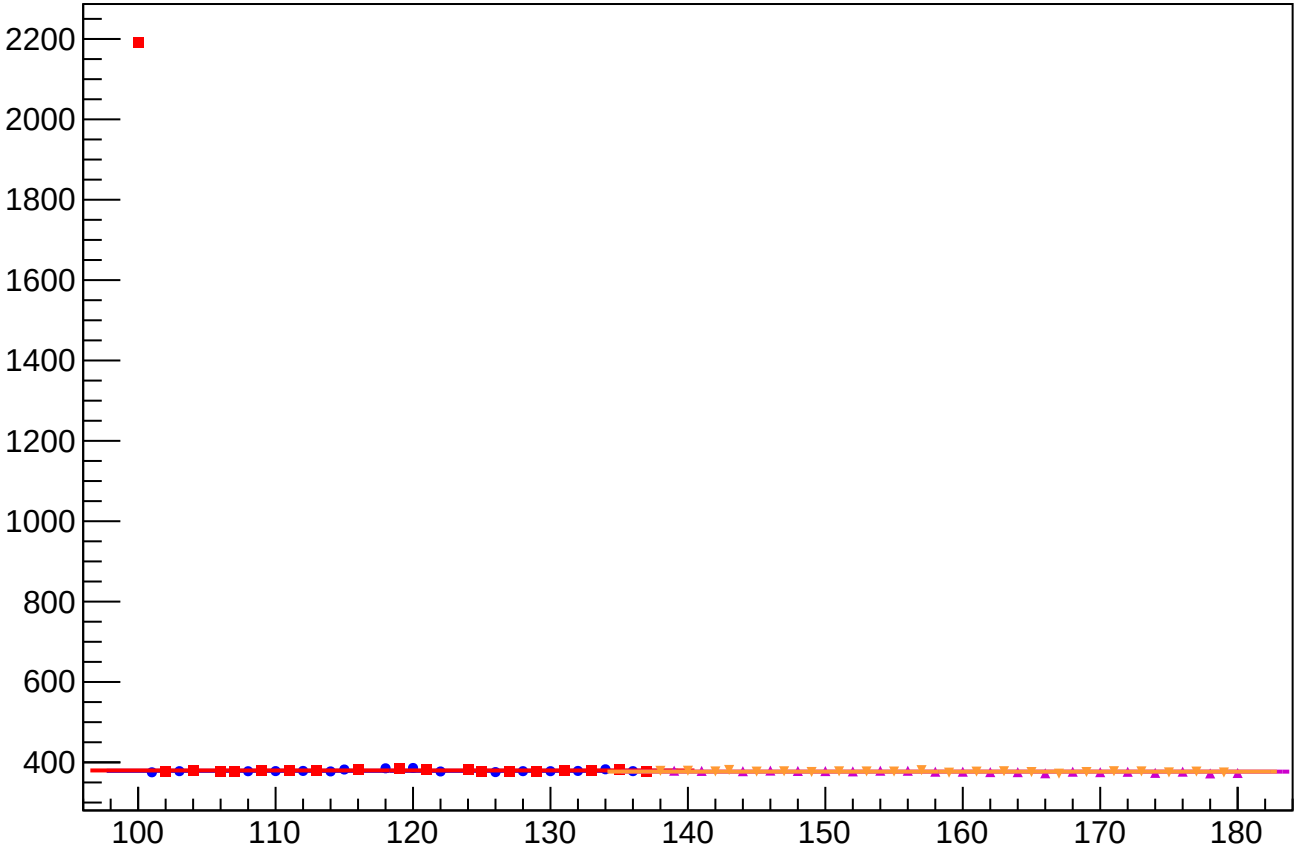
Left In: 178.058+/-90.734 χ^2/NDF:18.0/20

+ sign -60.977+/-75.907 χ^2/NDF: 23.3/37

All: 7.265+/-53.698 χ^2/NDF: 62.3/77

- 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: 376.993+/-0.064 χ^2/NDF:1001.7/21

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

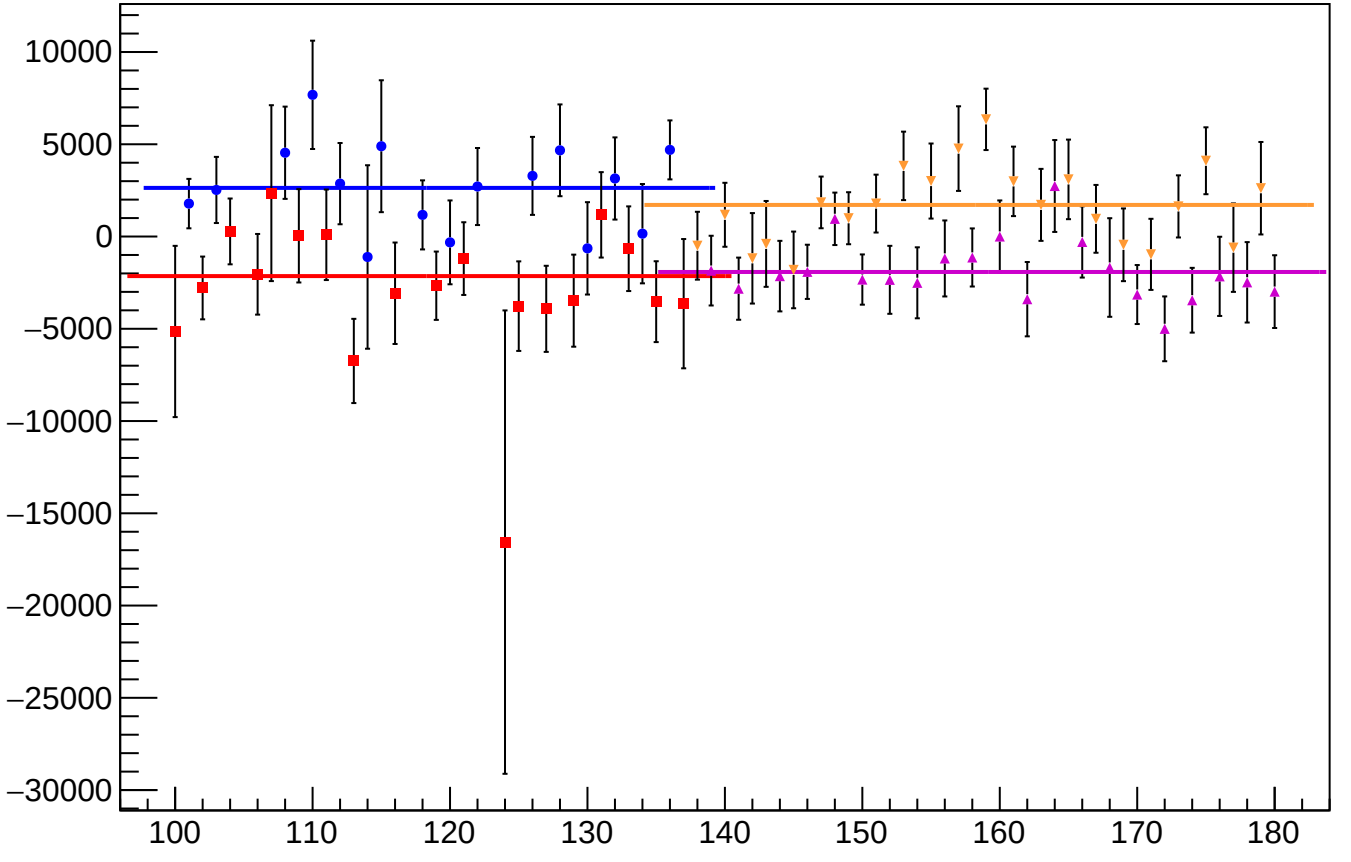
Left In: 376.881+/-0.064 χ^2/NDF:1067.3/20

+ sign 377.551+/-0.054 χ^2/NDF: 2116.1/37

All: 377.664+/-0.038 χ^2/NDF: 103465.8/77

- 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: 1712.307+/-398.805 χ^2/NDF:25.1/21

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

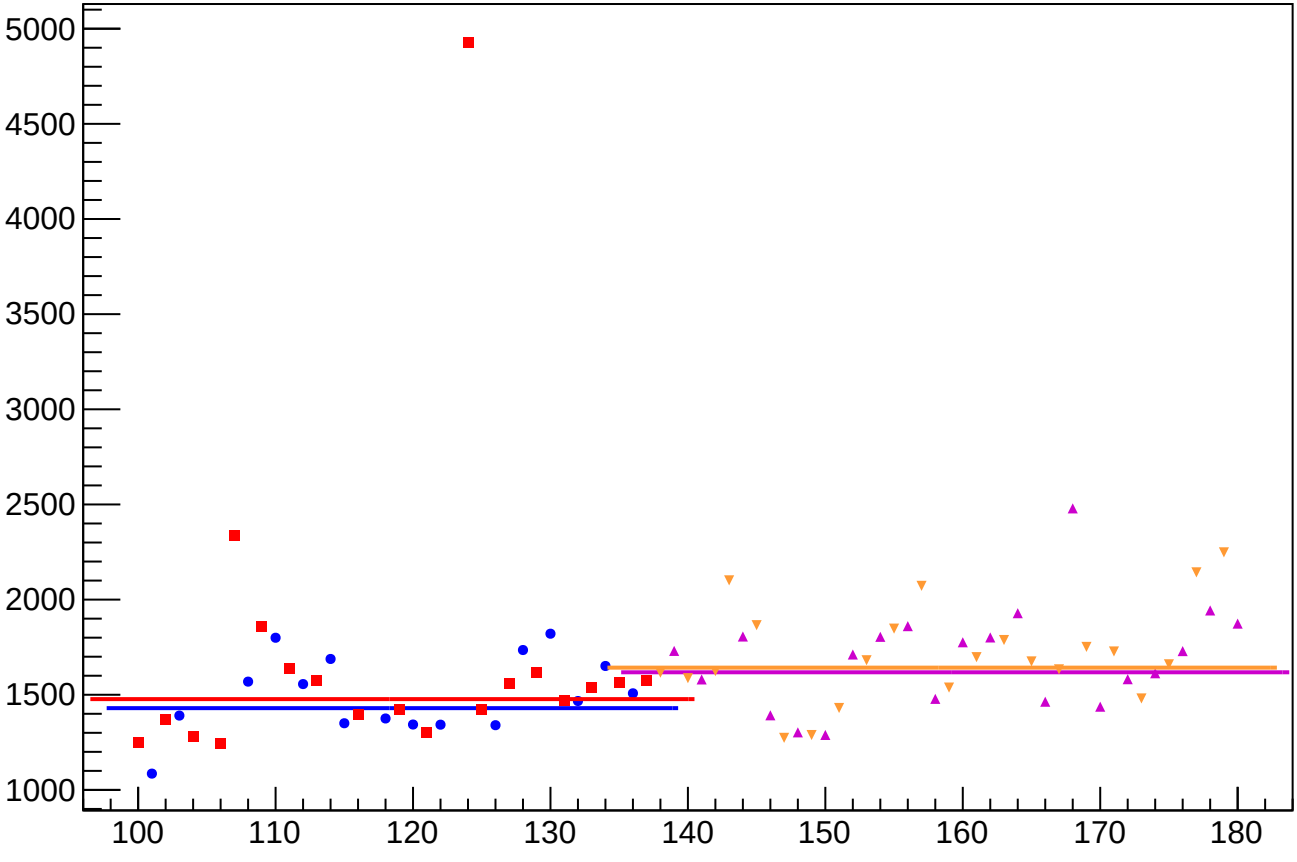
Left In: -1921.612+/-394.933 χ^2/NDF:15.5/20

+ sign 2039.630+/-320.388 χ^2/NDF: 39.3/37

All: 19.564+/-226.479 χ^2/NDF: 149.5/77

- 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: 1642.545+/-0.282 χ^2/NDF:750180.6/21

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

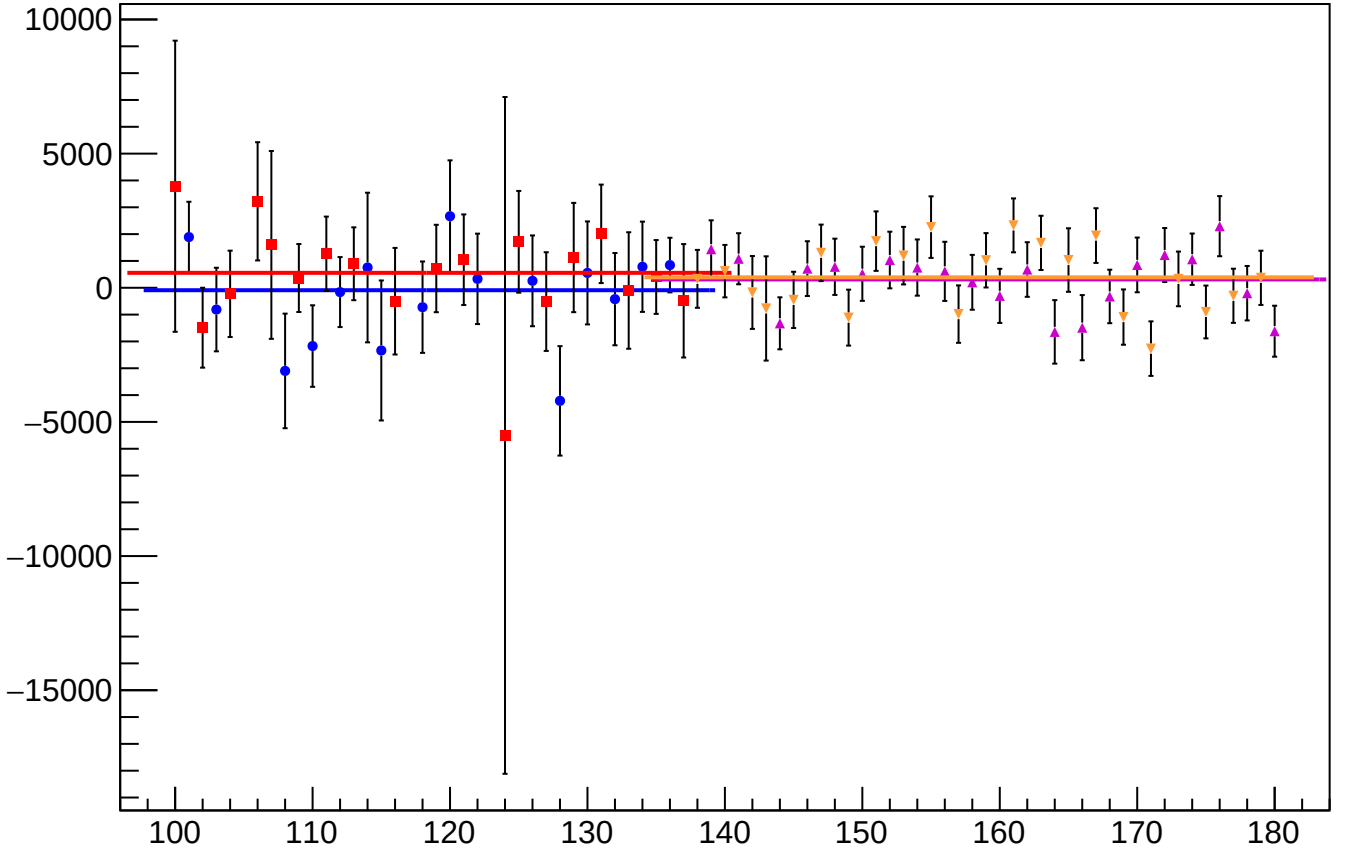
Left In: 1618.089+/-0.279 χ^2/NDF:748912.1/20

+ sign 1567.055+/-0.227 χ^2/NDF: 1245665.5/37

All: 1568.419+/-0.160 χ^2/NDF: 2451396.5/77

- 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: 388.010+/-227.968 χ^2/NDF:29.8/21

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

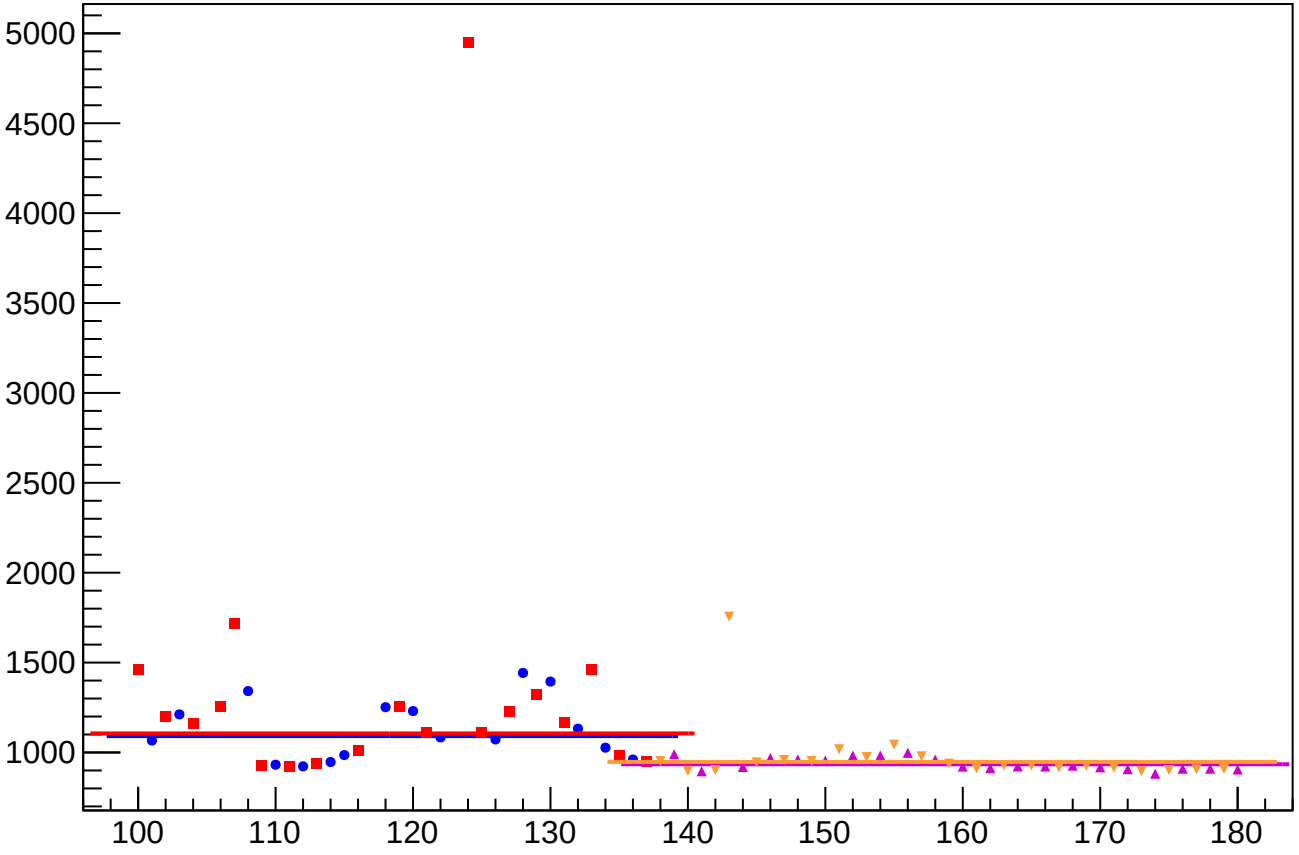
Left In: 310.097+/-225.135 χ^2/NDF:20.8/20

\+ sign 274.802+/-199.235 χ^2/NDF: 45.4/37

All: 321.292+/-140.260 χ^2/NDF: 73.3/77

\- 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: 947.655+/-0.161 χ^2/NDF:402339.9/21

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

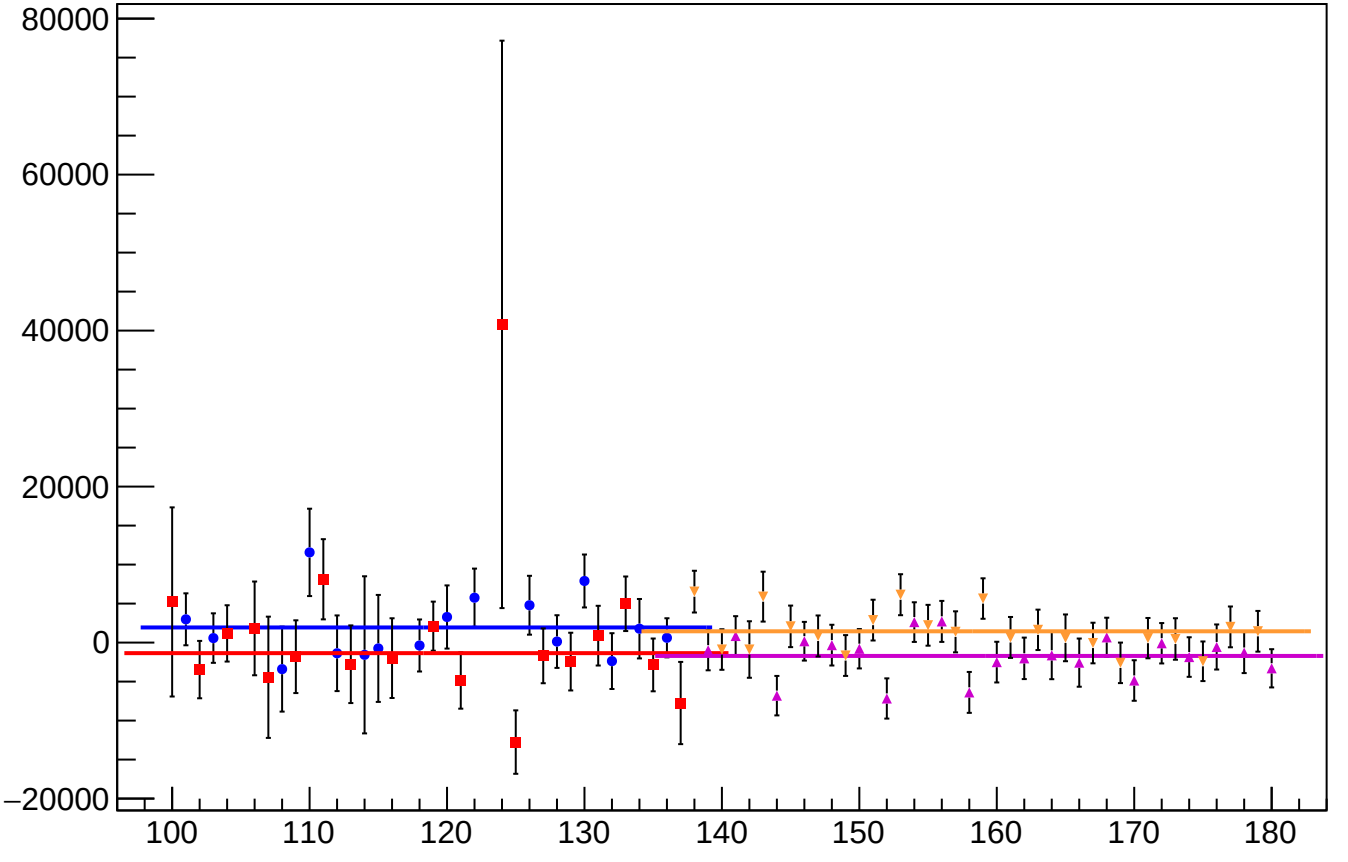
Left In: 934.432+/-0.159 χ^2/NDF:43915.2/20

+ sign 981.521+/-0.141 χ^2/NDF: 866520.4/37

All: 977.722+/-0.099 χ^2/NDF: 1693847.0/77

- 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: 1447.244+/-571.295 χ^2/NDF:20.0/21

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

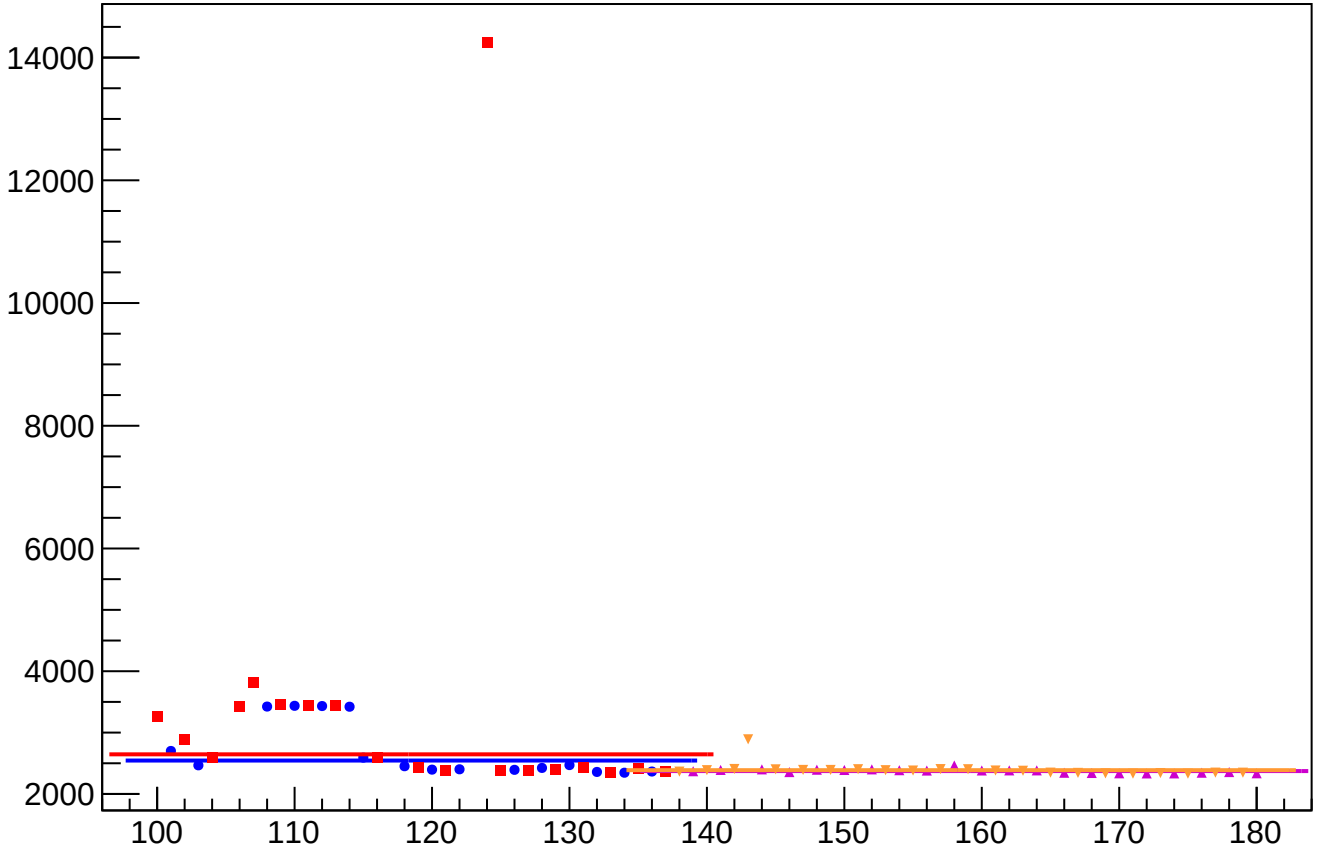
Left In: -1711.830+/-571.248 χ^2/NDF:23.1/20

+ sign 1577.513+/-489.933 χ^2/NDF: 32.4/37

All: -8.278+/-347.925 χ^2/NDF: 98.6/77

- 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: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

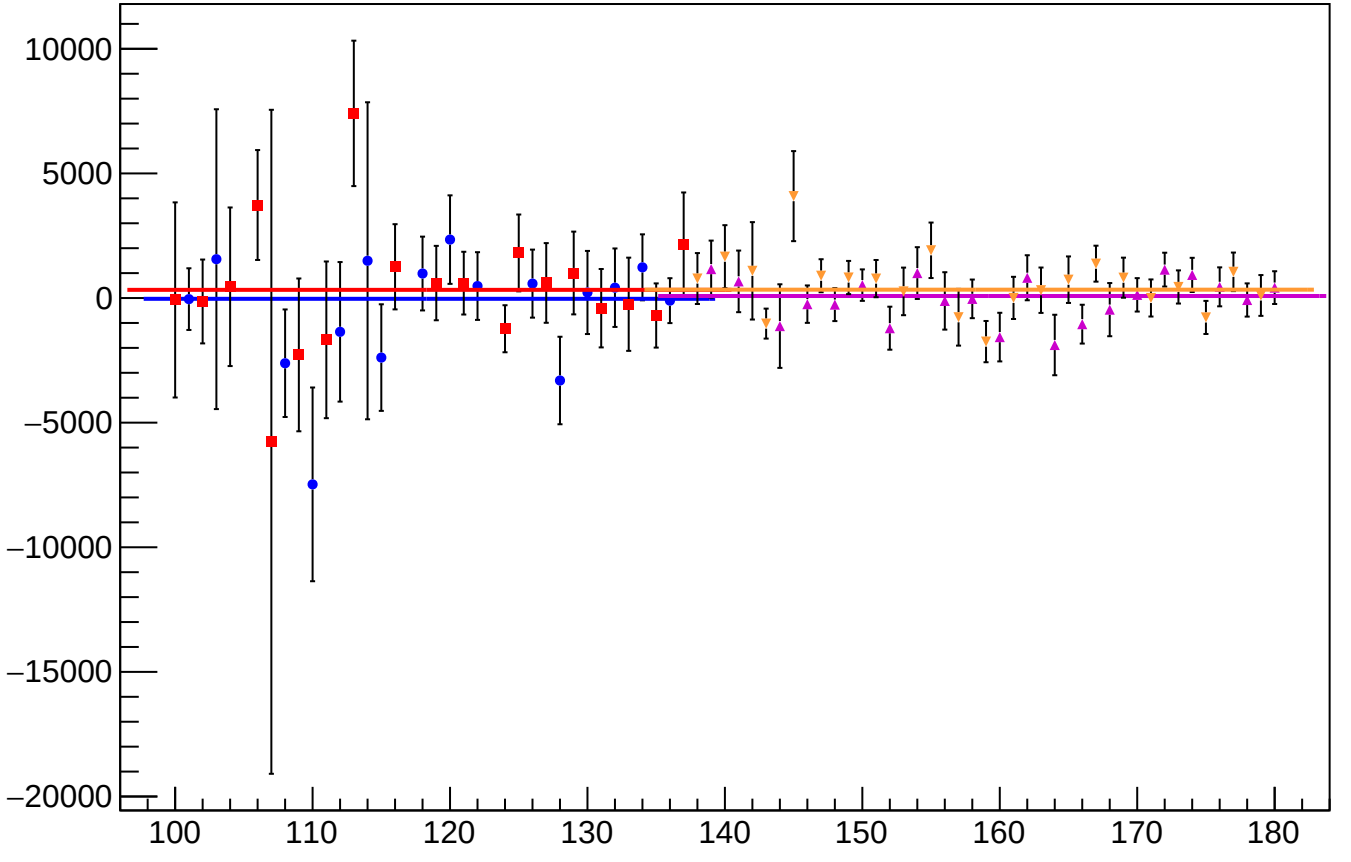
Left In: 2372.748+/-0.404 χ^2/NDF:5915.8/20

+ sign 2428.936+/-0.346 χ^2/NDF: 320856.5/37

All: 2435.124+/-0.246 χ^2/NDF: 979240.5/77

- 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: 335.780+/-176.504 χ^2/NDF:28.6/21

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

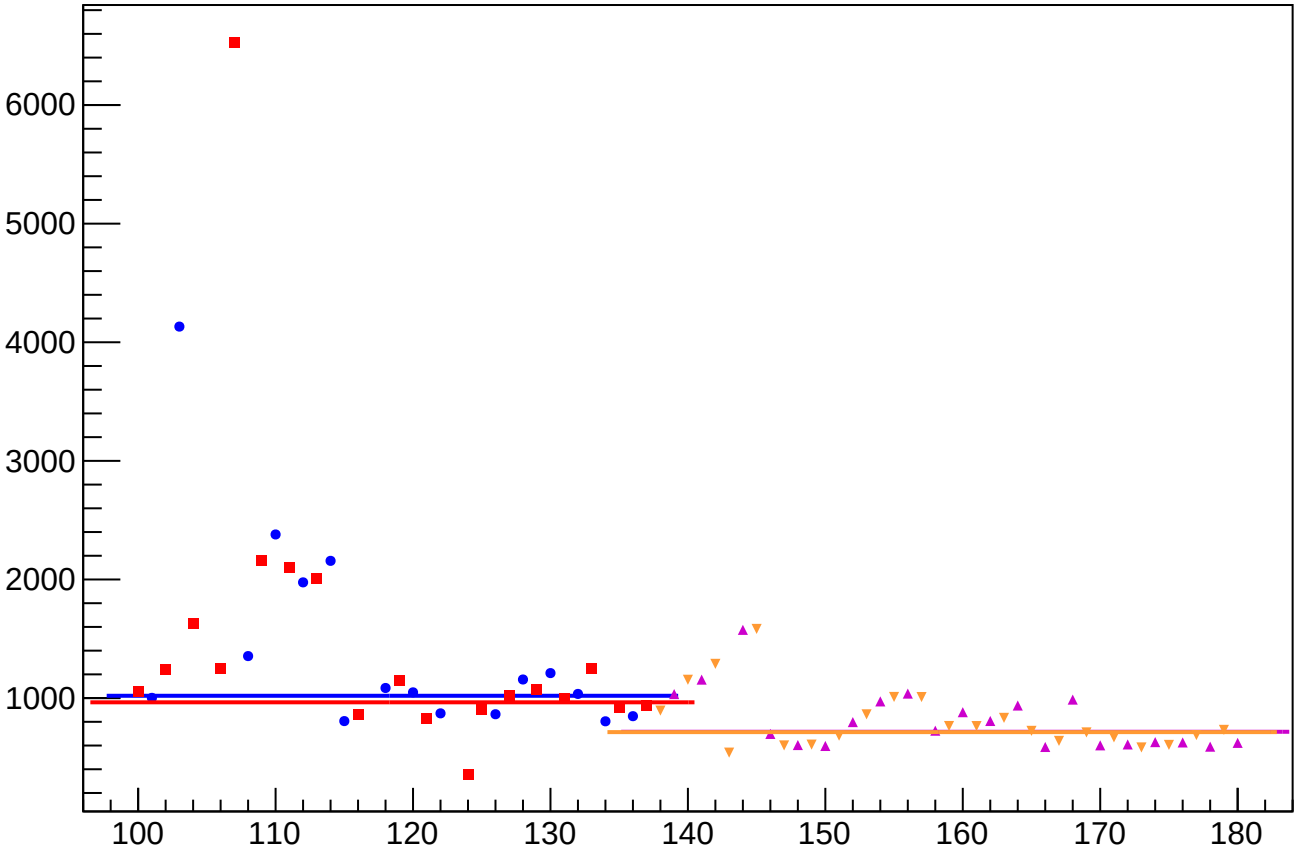
Left In: 81.420+/-178.904 χ^2/NDF:18.7/20

+ sign 277.382+/-161.852 χ^2/NDF: 43.0/37

All: 200.764+/-114.926 χ^2/NDF: 78.1/77

- 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: 713.142+/-0.125 χ^2/NDF:1755820.5/21

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

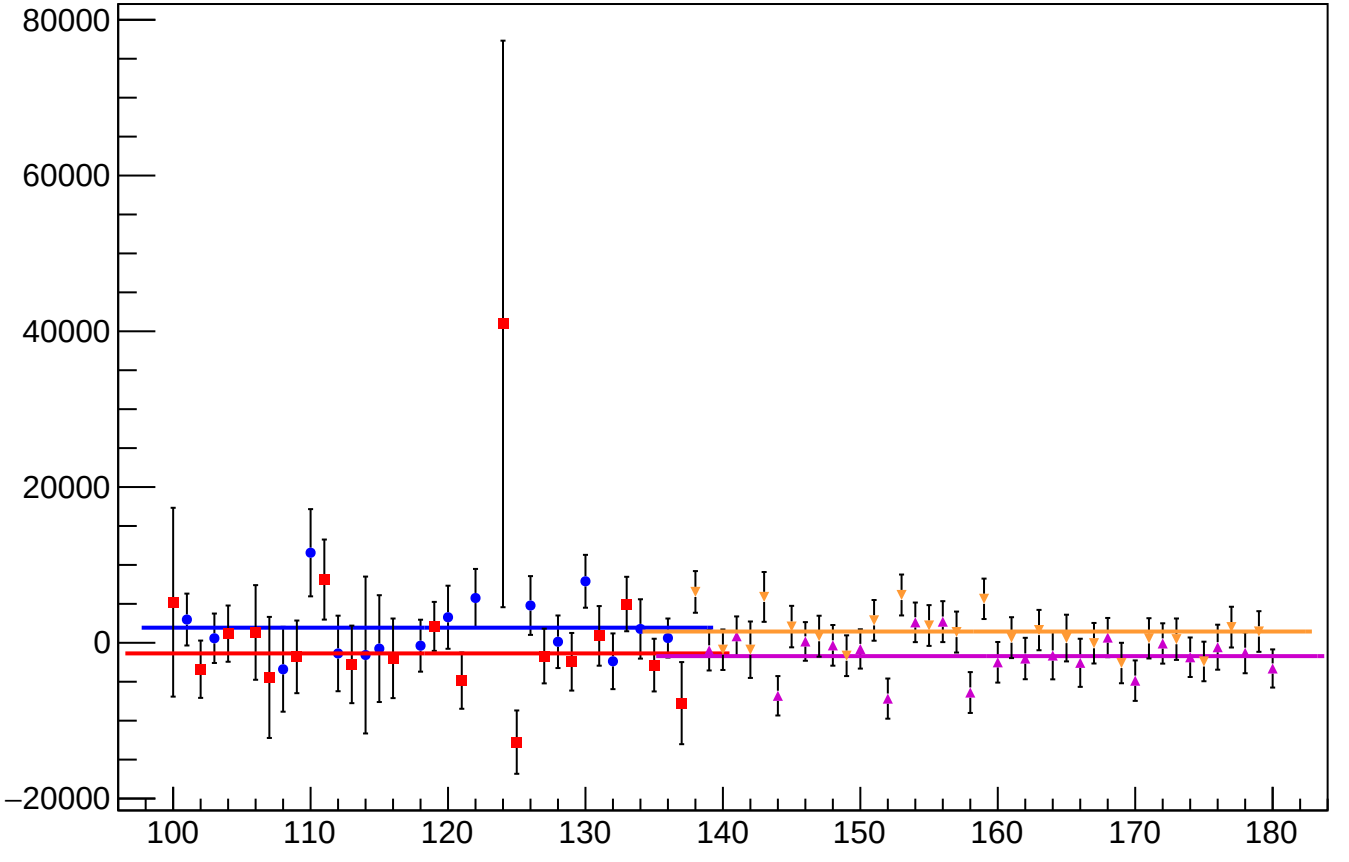
Left In: 716.010+/-0.127 χ^2/NDF:1964523.6/20

\+ sign 761.899+/-0.114 χ^2/NDF: 4079550.6/37

All: 759.797+/-0.081 χ^2/NDF: 9000515.1/77

\- 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: 1447.196+/-571.295 χ^2/NDF:20.0/21

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

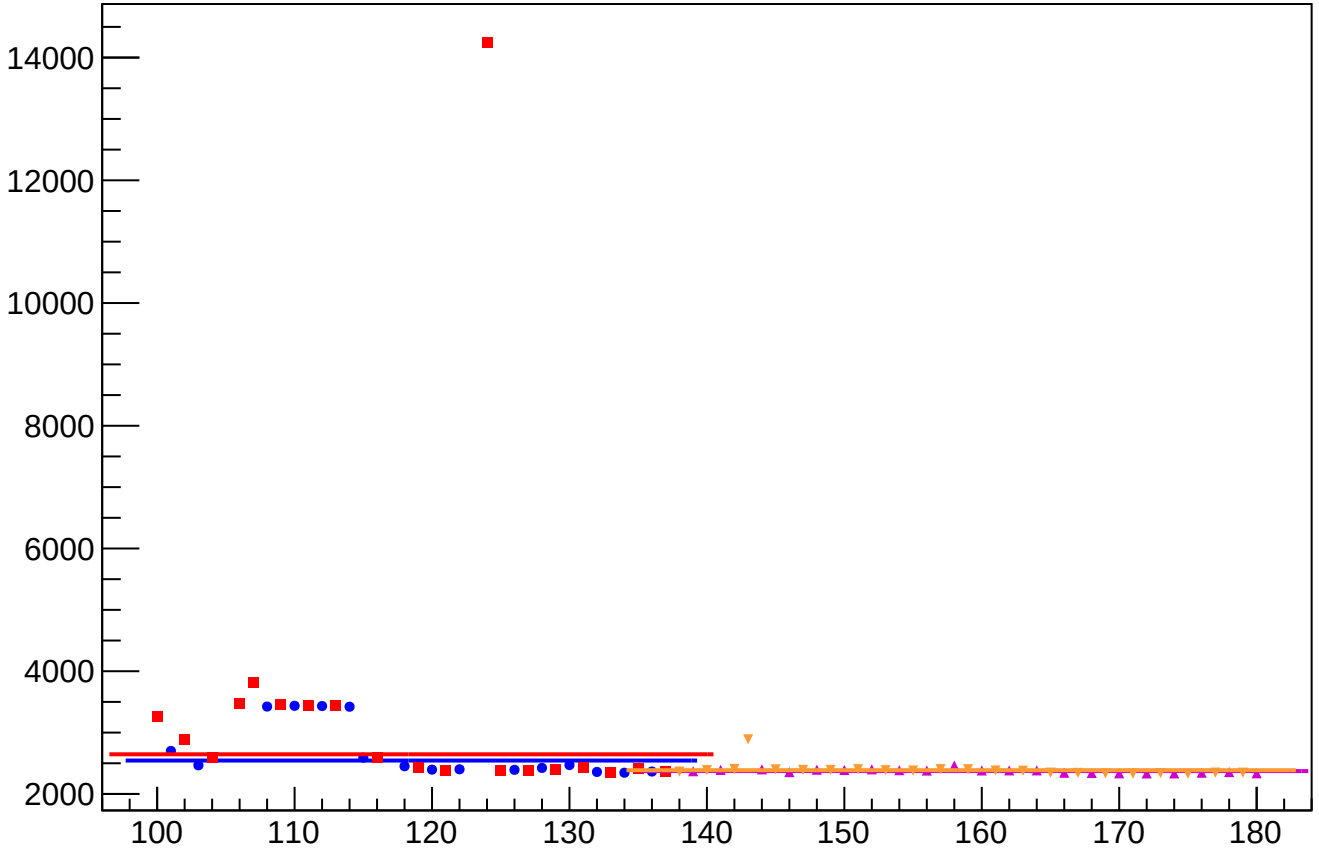
Left In: -1711.926+/-571.248 χ^2/NDF:23.1/20

+ sign 1577.569+/-489.933 χ^2/NDF: 32.4/37

All: -9.388+/-347.938 χ^2/NDF: 98.5/77

- 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: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

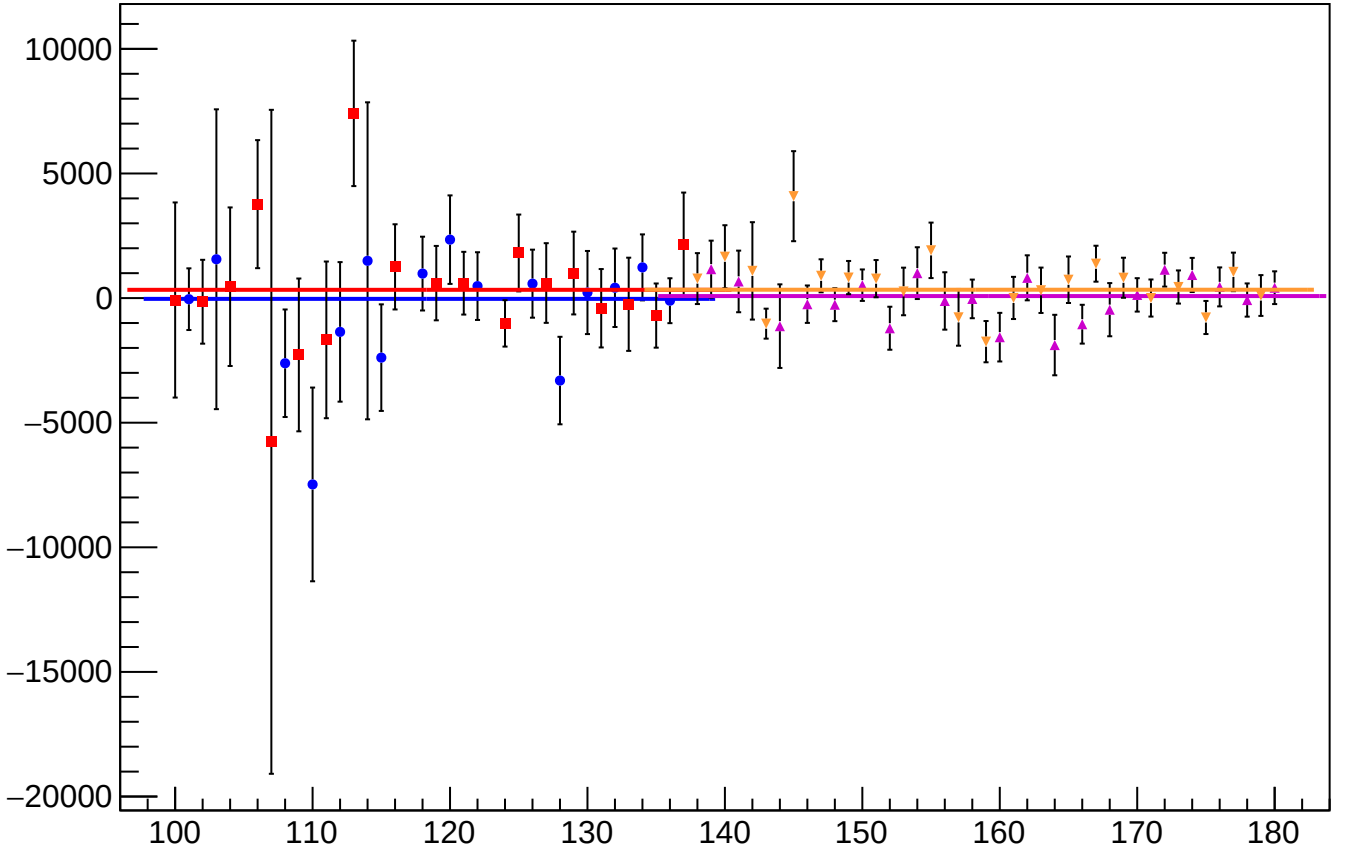
Left In: 2372.748+/-0.404 χ^2/NDF:5915.8/20

+ sign 2428.936+/-0.346 χ^2/NDF: 320856.5/37

All: 2435.178+/-0.246 χ^2/NDF: 982249.3/77

- 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: 335.741+/-176.504 χ^2/NDF:28.6/21

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

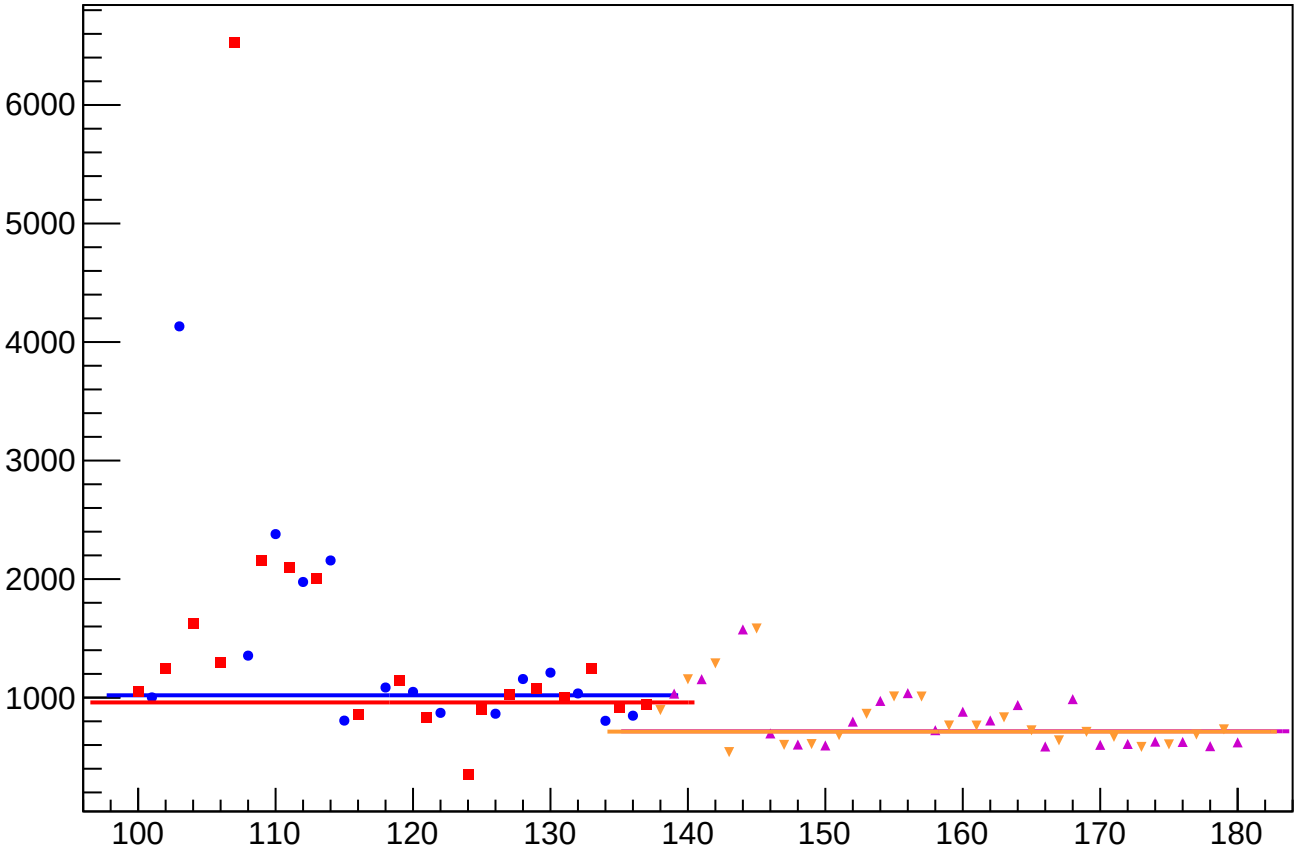
Left In: 81.264+/-178.904 χ^2/NDF:18.7/20

+ sign 277.338+/-161.852 χ^2/NDF: 43.0/37

All: 200.926+/-114.944 χ^2/NDF: 76.8/77

- 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: 713.144+/-0.125 χ^2/NDF:1755901.2/21

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

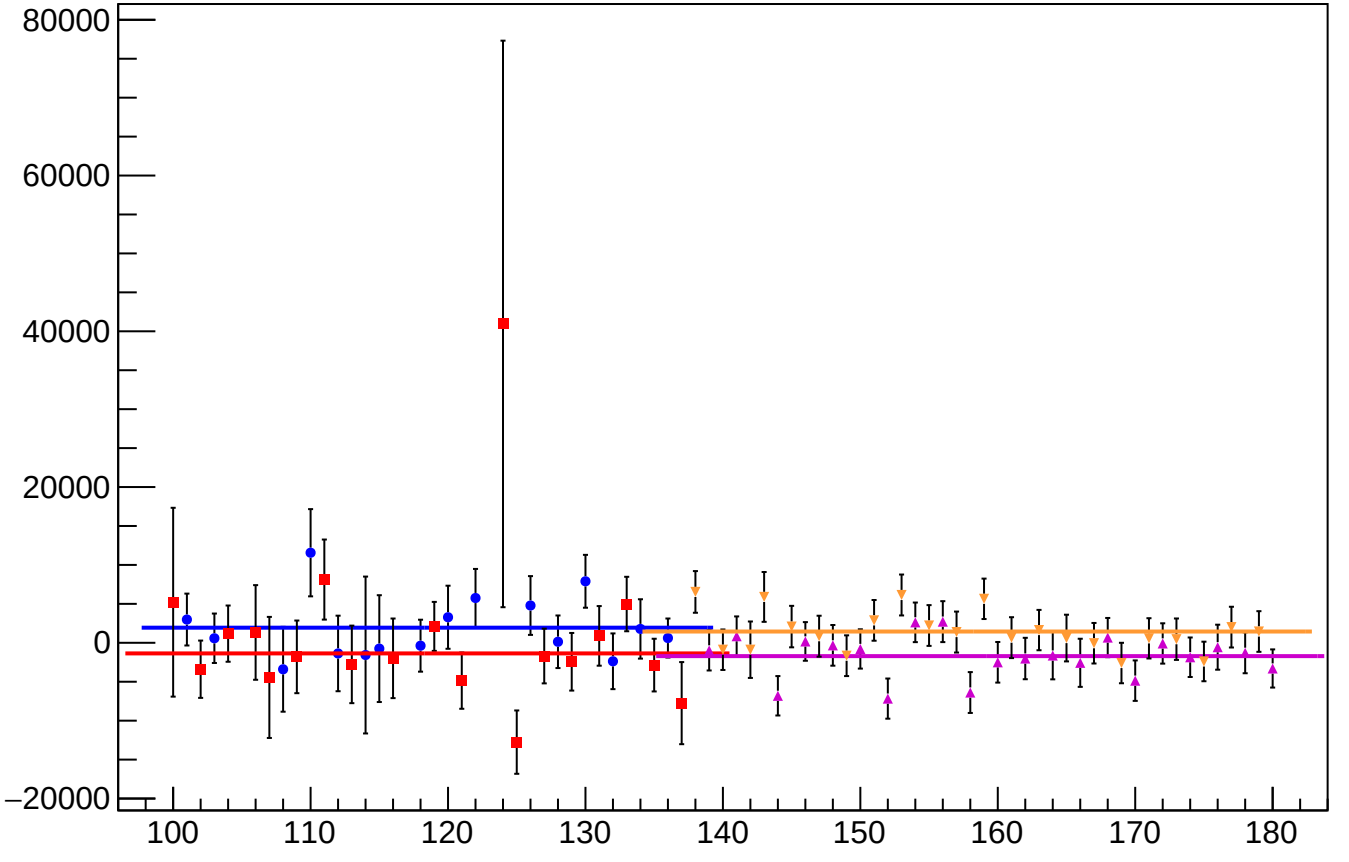
Left In: 716.008+/-0.127 χ^2/NDF:1964685.4/20

+ sign 761.899+/-0.114 χ^2/NDF: 4079575.3/37

All: 759.314+/-0.081 χ^2/NDF: 9008212.6/77

- 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: 1447.196+/-571.295 χ^2/NDF:20.0/21

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

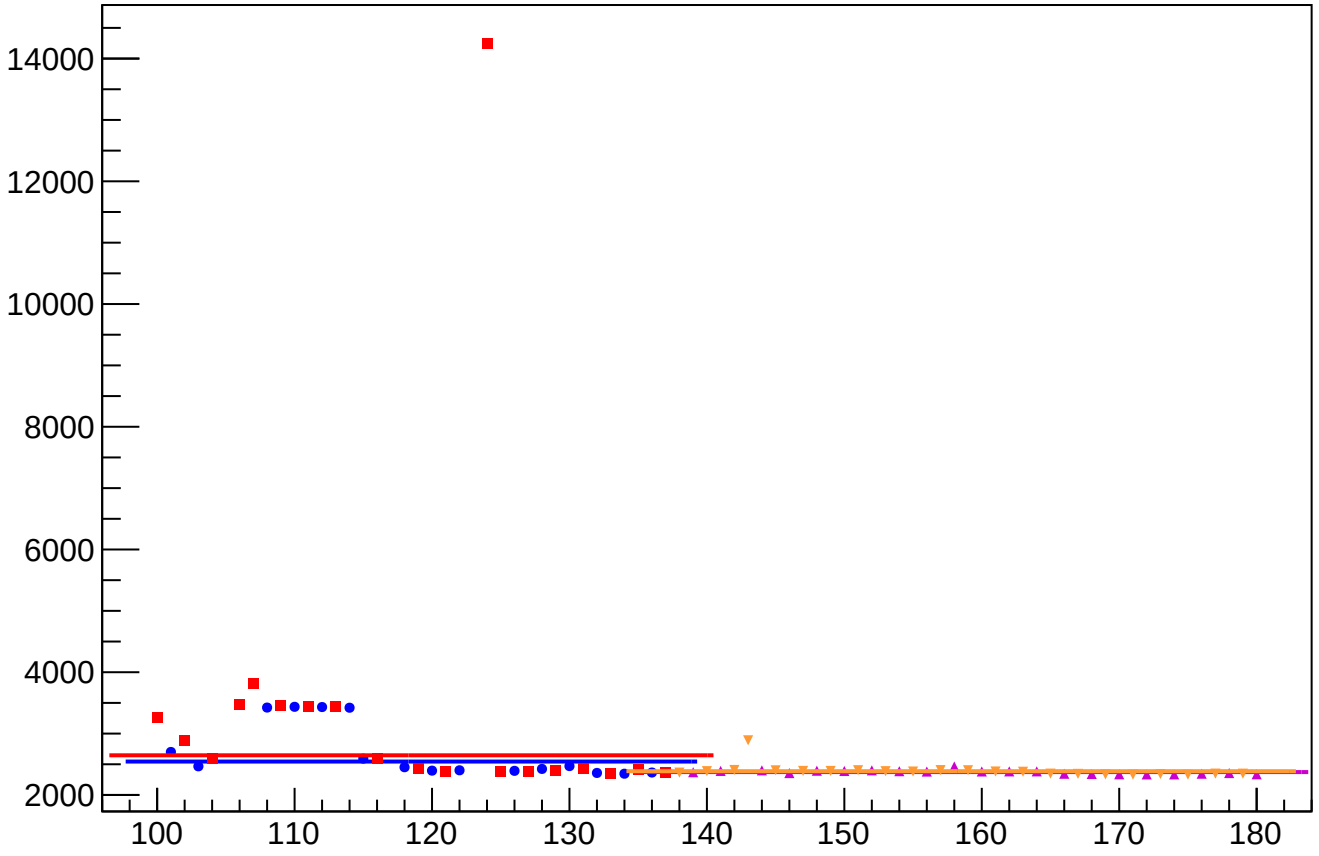
Left In: -1711.926+/-571.248 χ^2/NDF:23.1/20

+ sign 1577.569+/-489.933 χ^2/NDF: 32.4/37

All: -9.388+/-347.938 χ^2/NDF: 98.5/77

- 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: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

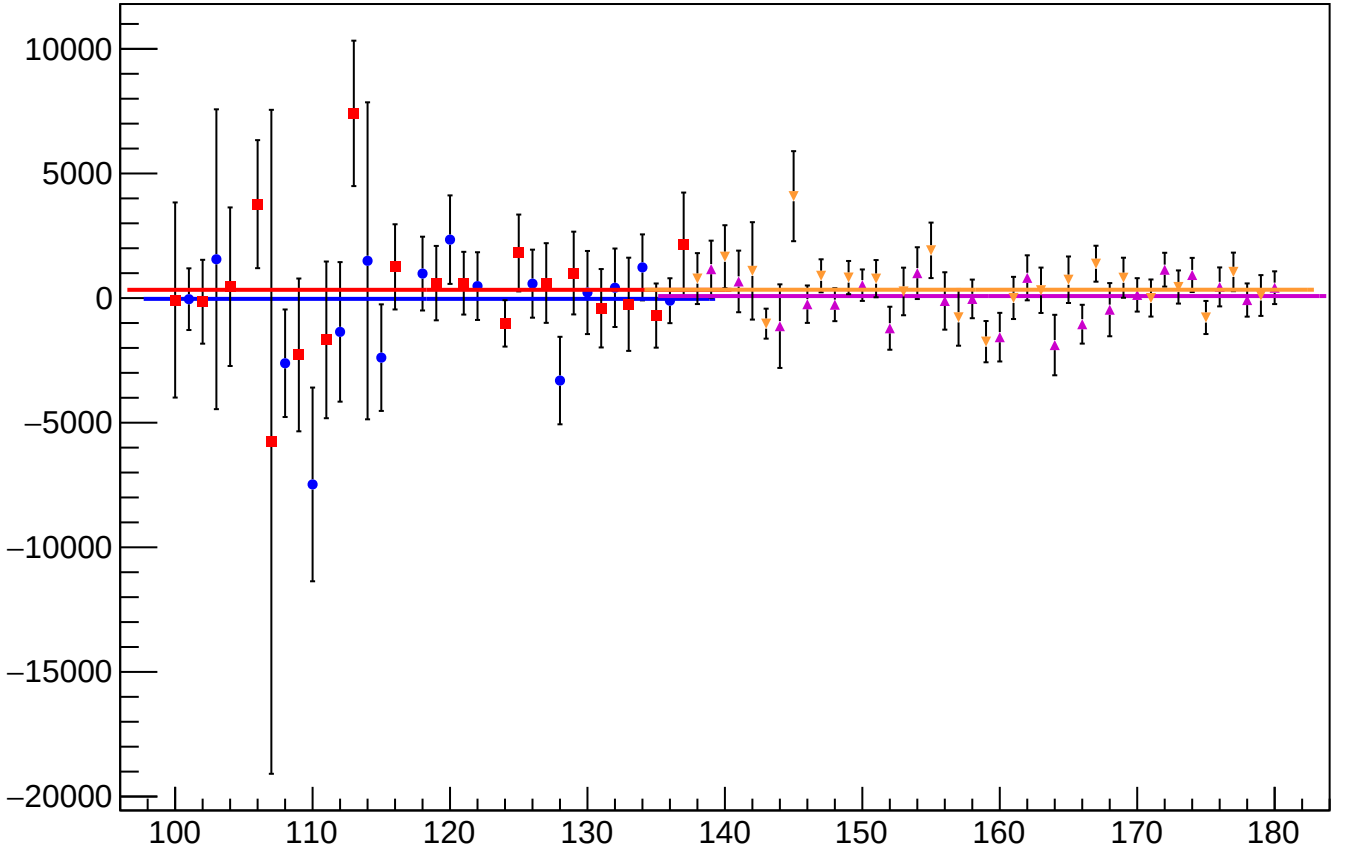
Left In: 2372.748+/-0.404 χ^2/NDF:5915.8/20

+ sign 2428.936+/-0.346 χ^2/NDF: 320856.5/37

All: 2435.178+/-0.246 χ^2/NDF: 982249.3/77

- 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: 335.741+/-176.504 χ^2/NDF:28.6/21

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

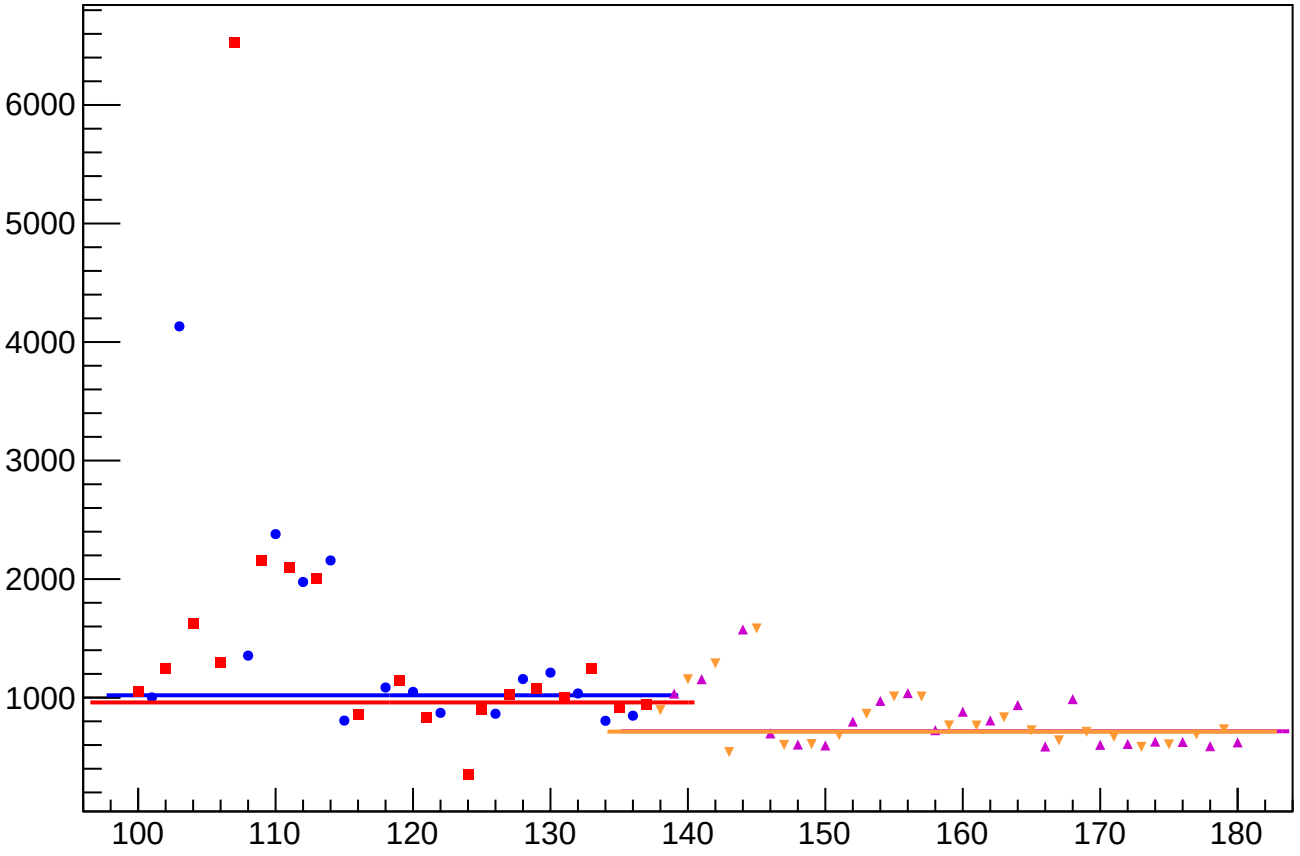
Left In: 81.264+/-178.904 χ^2/NDF:18.7/20

+ sign 277.338+/-161.852 χ^2/NDF: 43.0/37

All: 200.926+/-114.944 χ^2/NDF: 76.8/77

- sign 123.170+/-163.268 χ^2/NDF: 33.4/39

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.144+/-0.125 χ^2/NDF:1755901.2/21

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

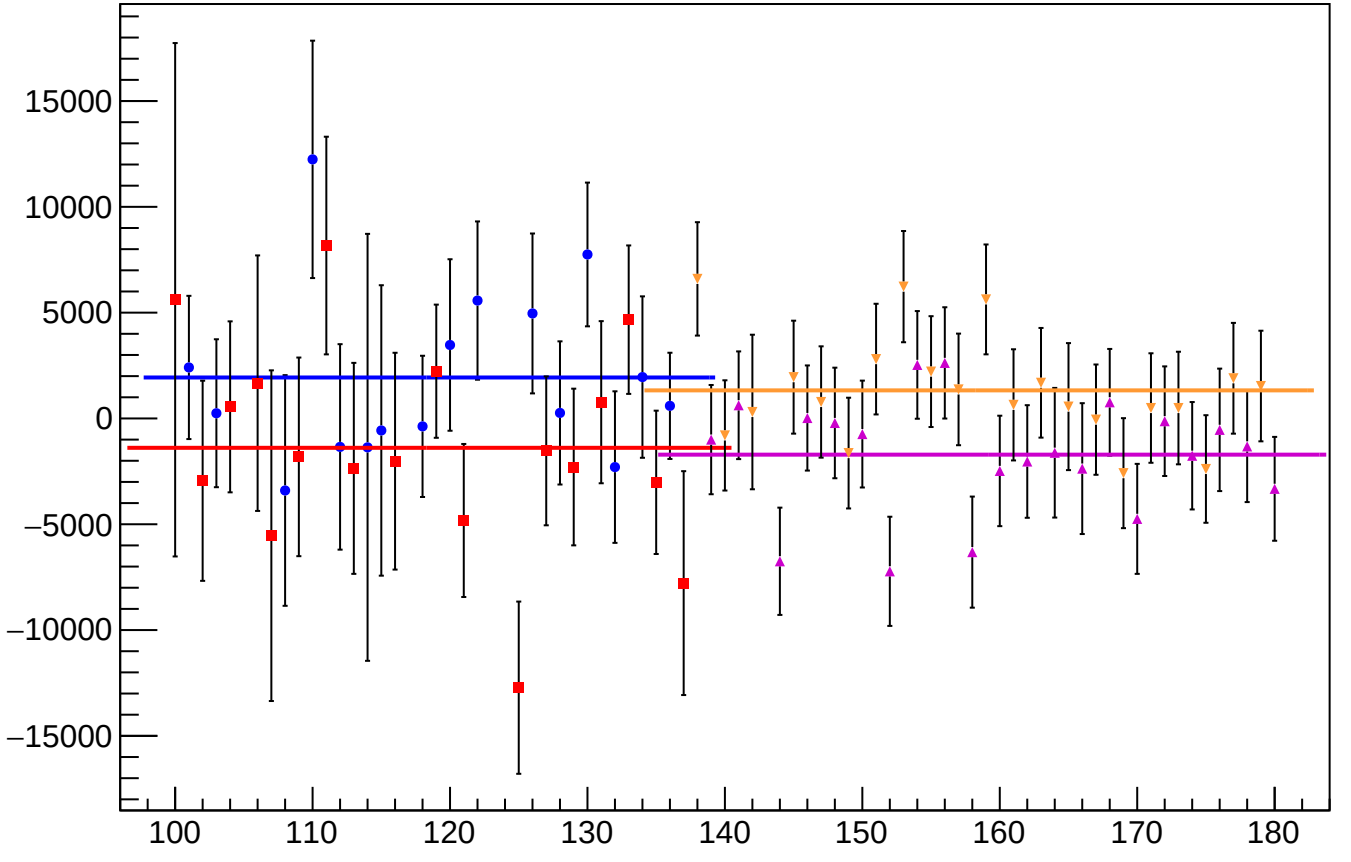
Left In: 716.008+/-0.127 χ^2/NDF:1964685.4/20

\+ sign 761.899+/-0.114 χ^2/NDF: 4079575.3/37

All: 759.314+/-0.081 χ^2/NDF: 9008212.6/77

\- sign 756.684+/-0.115 χ^2/NDF: 4927608.2/39

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1326.886+/-581.281 χ^2/NDF:17.7/20

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

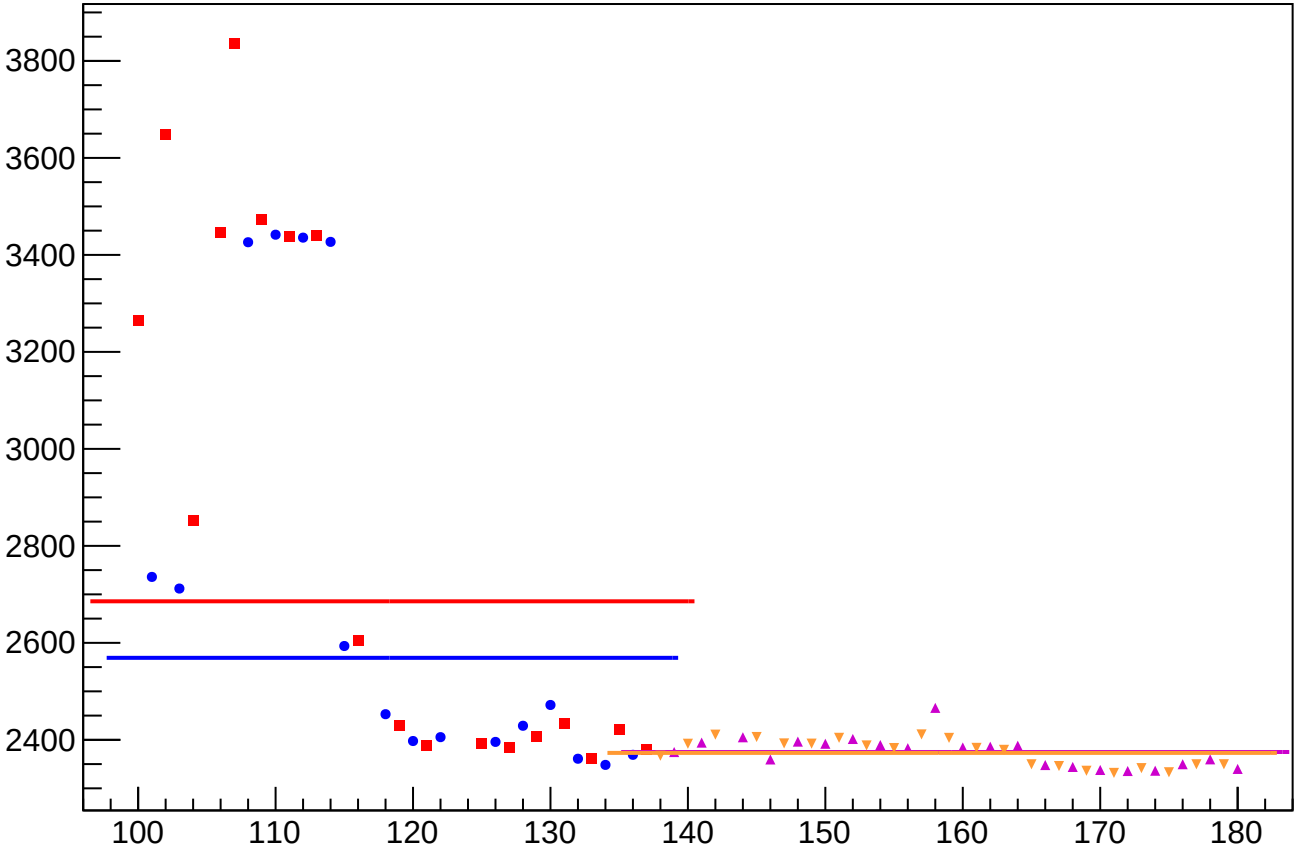
Left In: -1711.026+/-571.777 χ^2/NDF:22.4/20

+ sign 1489.716+/-497.556 χ^2/NDF: 30.4/36

All: -71.618+/-351.794 χ^2/NDF: 92.4/75

- 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: 2373.094+/-0.411 χ^2/NDF:4315.4/20

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

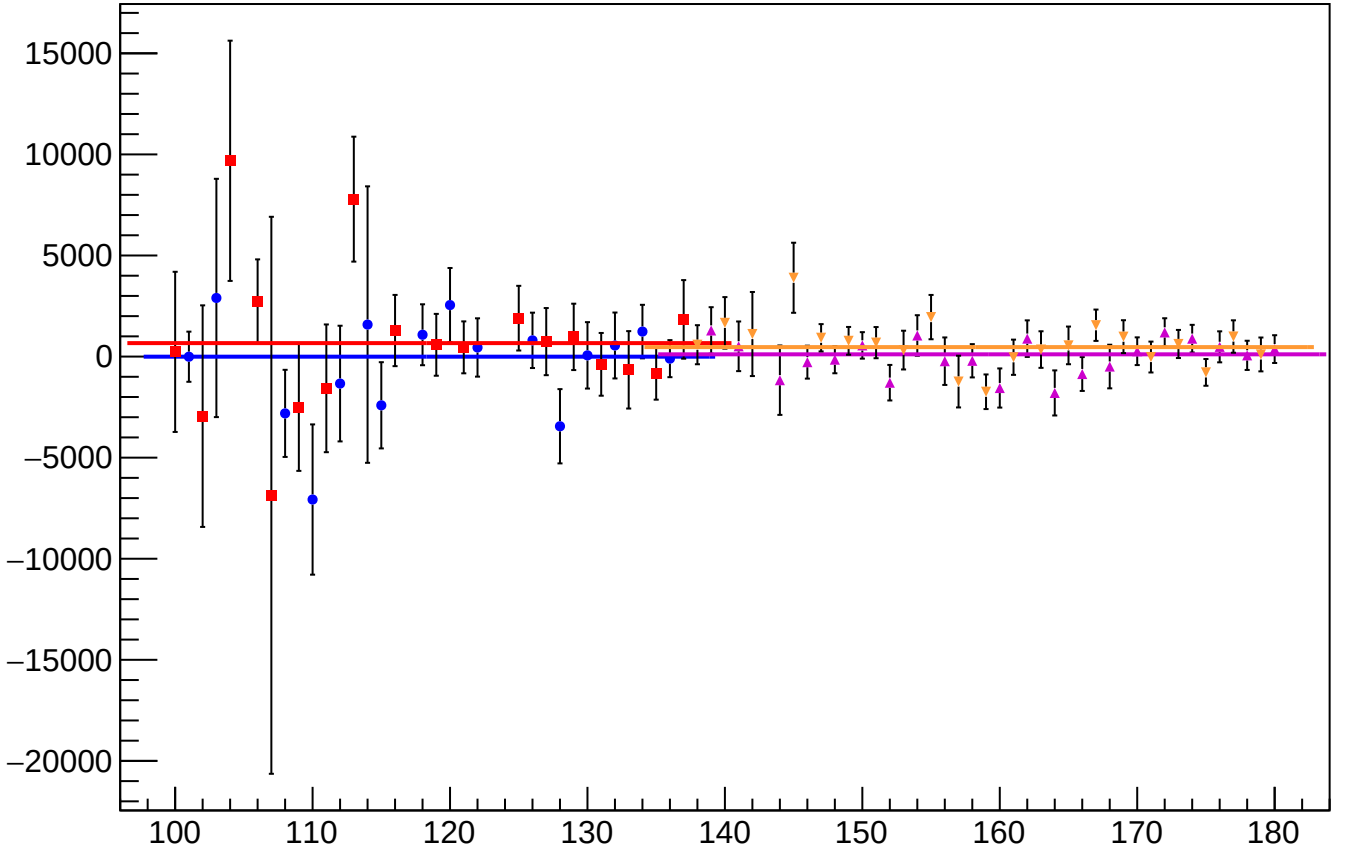
Left In: 2374.937+/-0.404 χ^2/NDF:5901.0/20

+ sign 2425.500+/-0.352 χ^2/NDF: 294612.1/36

All: 2437.980+/-0.249 χ^2/NDF: 865850.7/75

- 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: 468.400+/-188.800 χ^2/NDF:23.3/20

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

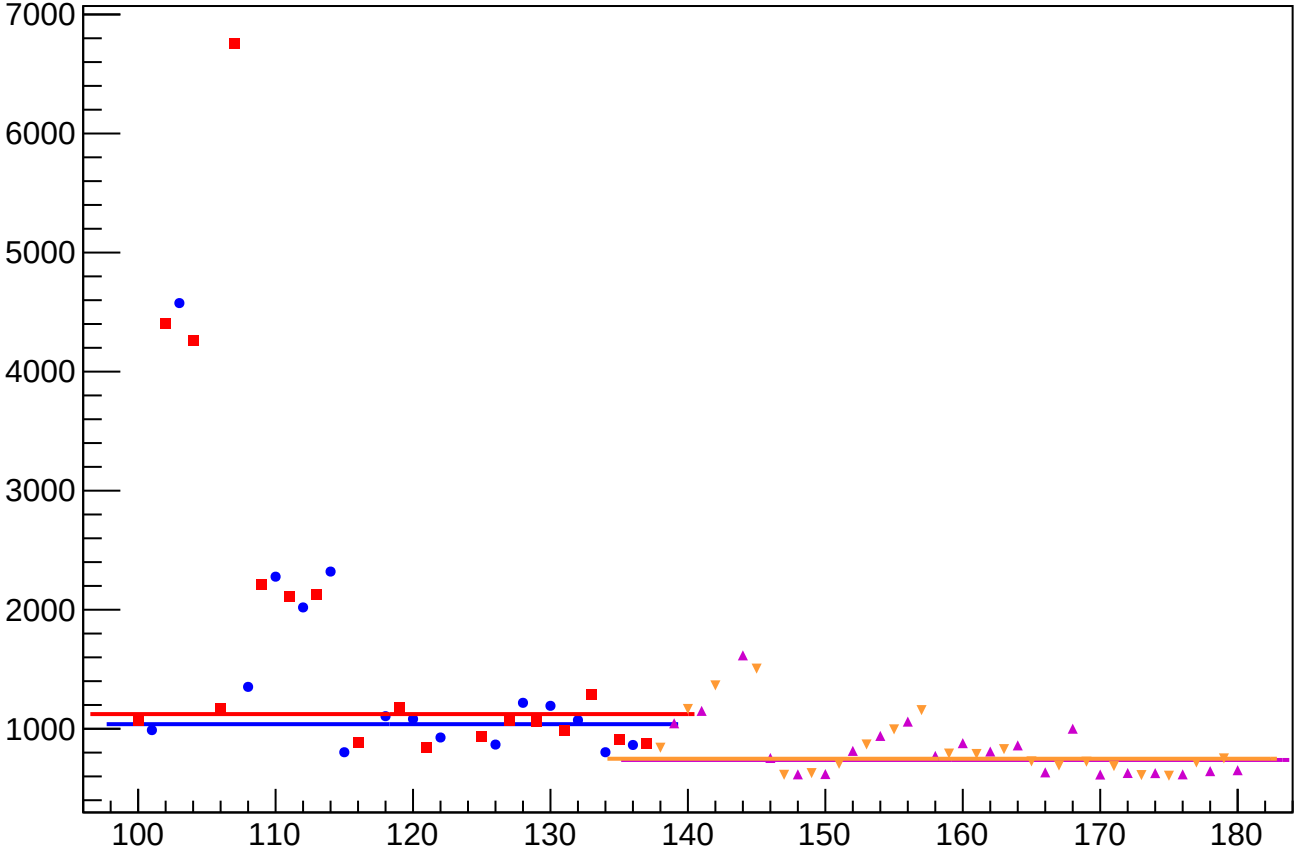
Left In: 111.094+/-183.464 χ^2/NDF:18.6/20

+ sign 386.294+/-171.655 χ^2/NDF: 38.9/36

All: 285.985+/-120.945 χ^2/NDF: 73.8/75

- 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: 748.402+/-0.134 χ^2/NDF:1500736.5/20

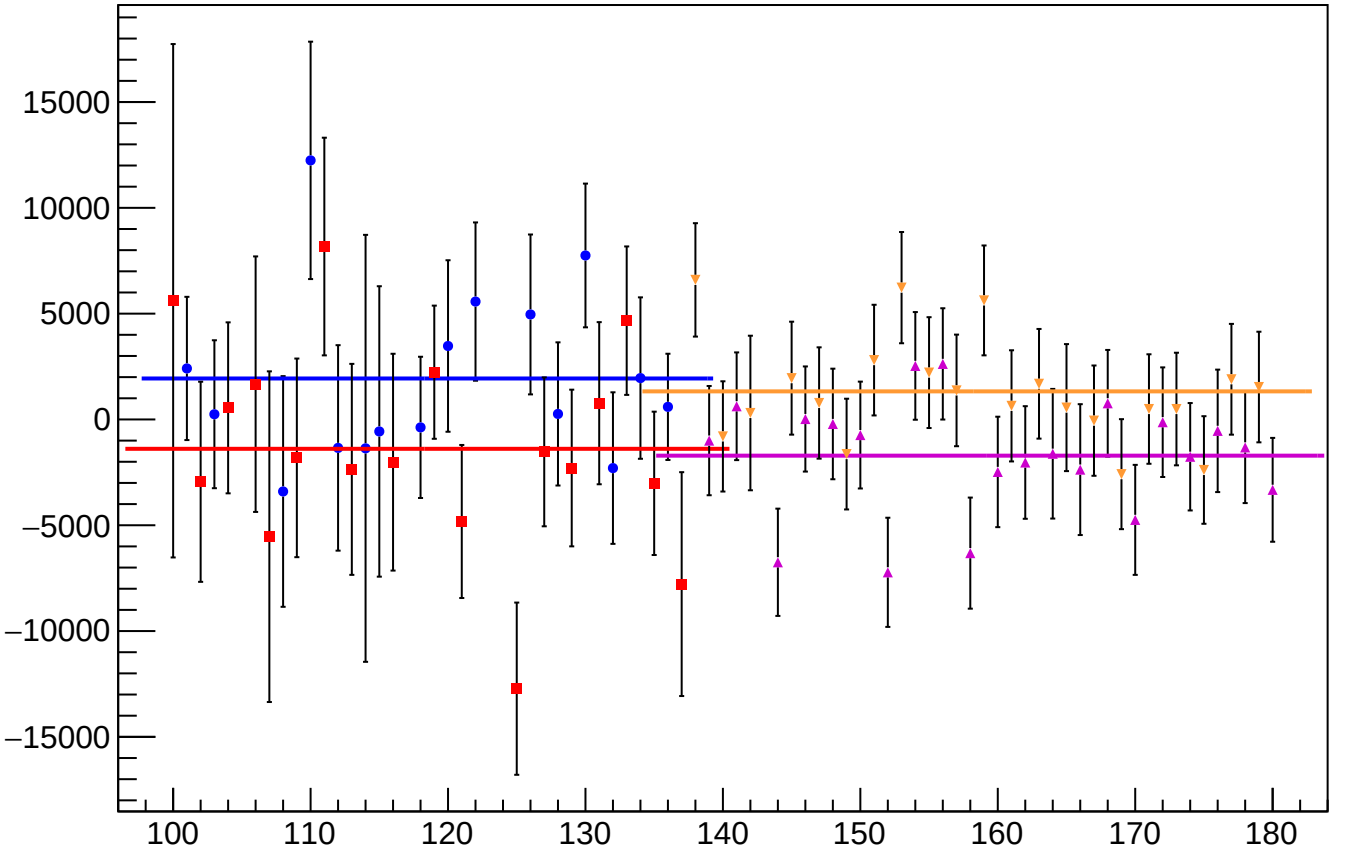
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 738.165+/-0.130 χ^2/NDF:1780310.7/20

+ sign 798.751+/-0.121 χ^2/NDF: 3860847.6/36

All: 794.819+/-0.086 χ^2/NDF: 9387094.1/75

- sign 790.943+/-0.121 χ^2/NDF: 5524162.4/38



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1326.887+/-581.281 χ^2/NDF:17.7/20

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

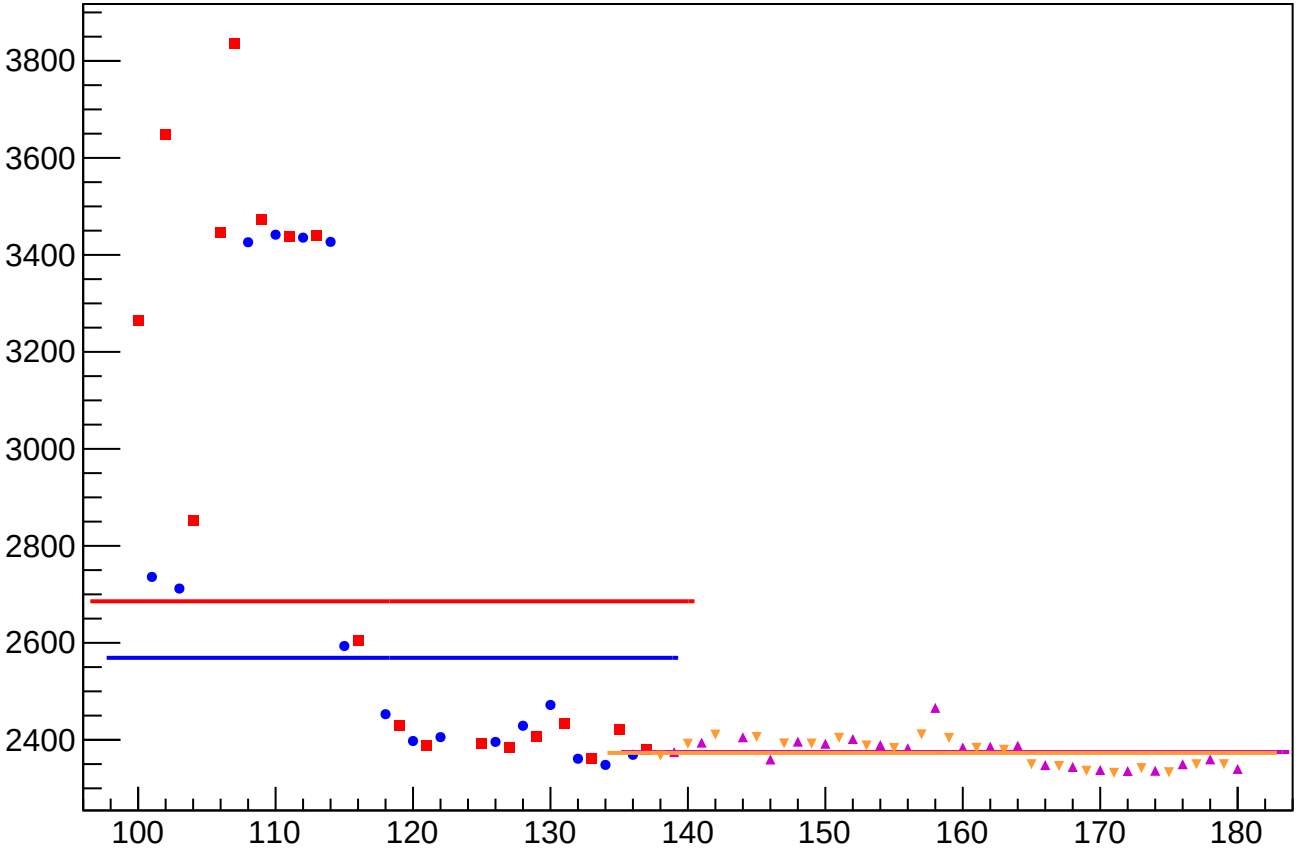
Left In: -1711.027+/-571.777 χ^2/NDF:22.4/20

+ sign 1489.716+/-497.555 χ^2/NDF: 30.4/36

All: -71.618+/-351.794 χ^2/NDF: 92.4/75

- 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: 2373.094+/-0.411 χ^2/NDF:4315.4/20

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

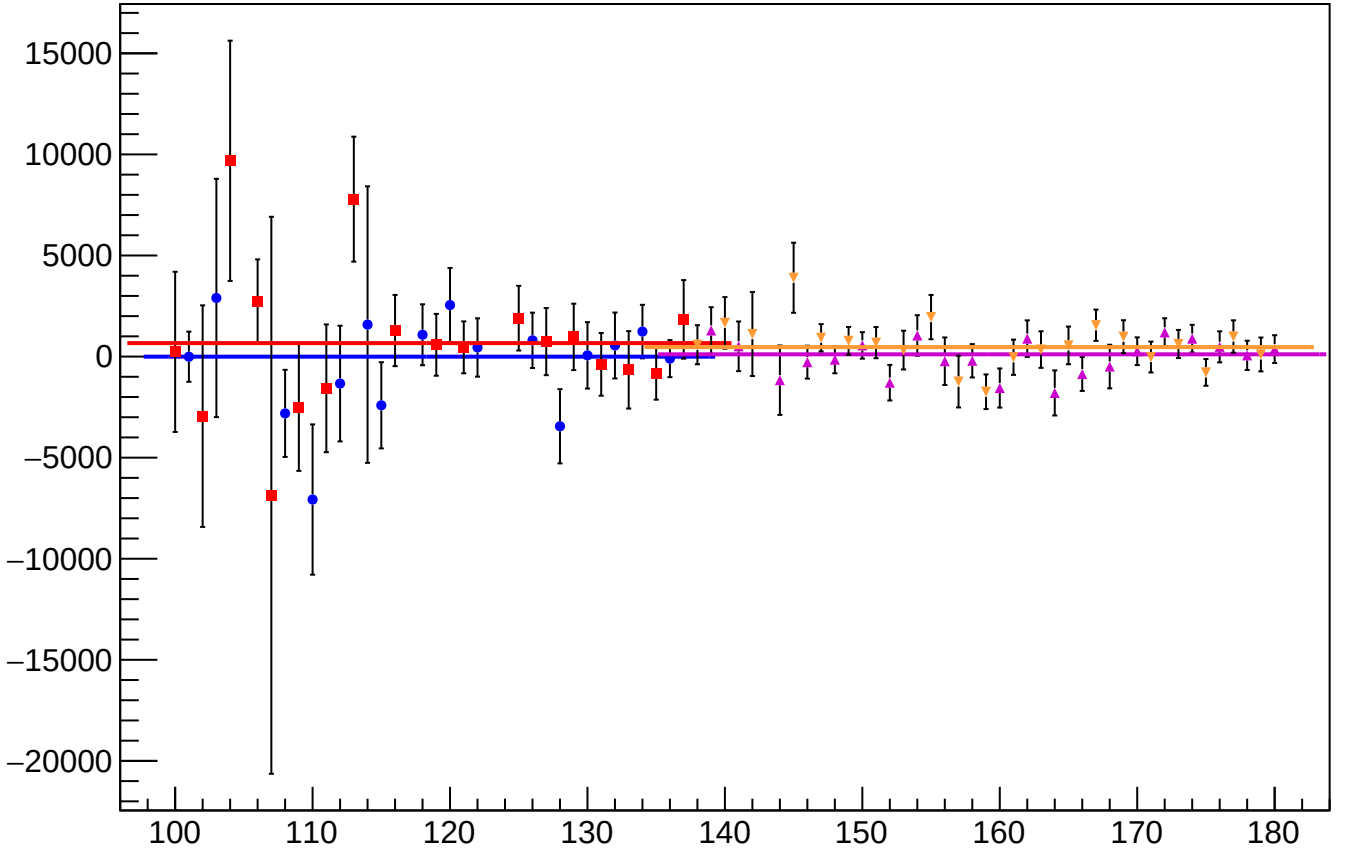
Left In: 2374.937+/-0.404 χ^2/NDF:5901.0/20

+ sign 2425.500+/-0.352 χ^2/NDF: 294611.7/36

All: 2437.980+/-0.249 χ^2/NDF: 865849.3/75

- sign 2450.456+/-0.352 χ^2/NDF: 568721.5/38

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 468.401+/-188.800 χ^2/NDF:23.3/20

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

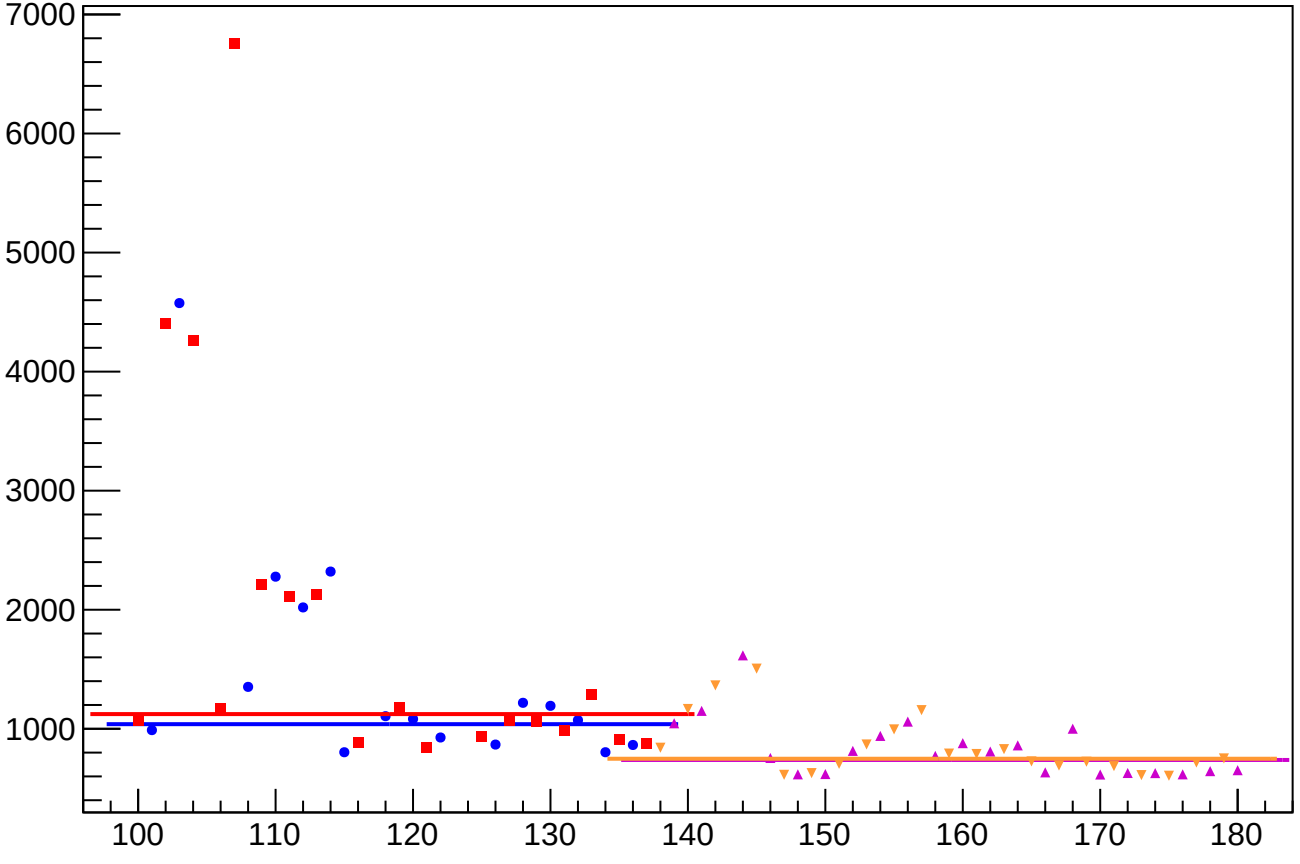
Left In: 111.094+/-183.464 χ^2/NDF:18.6/20

+ sign 386.293+/-171.655 χ^2/NDF: 38.9/36

All: 285.985+/-120.945 χ^2/NDF: 73.8/75

- 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: 748.404+/-0.134 χ^2/NDF:1500734.3/20

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

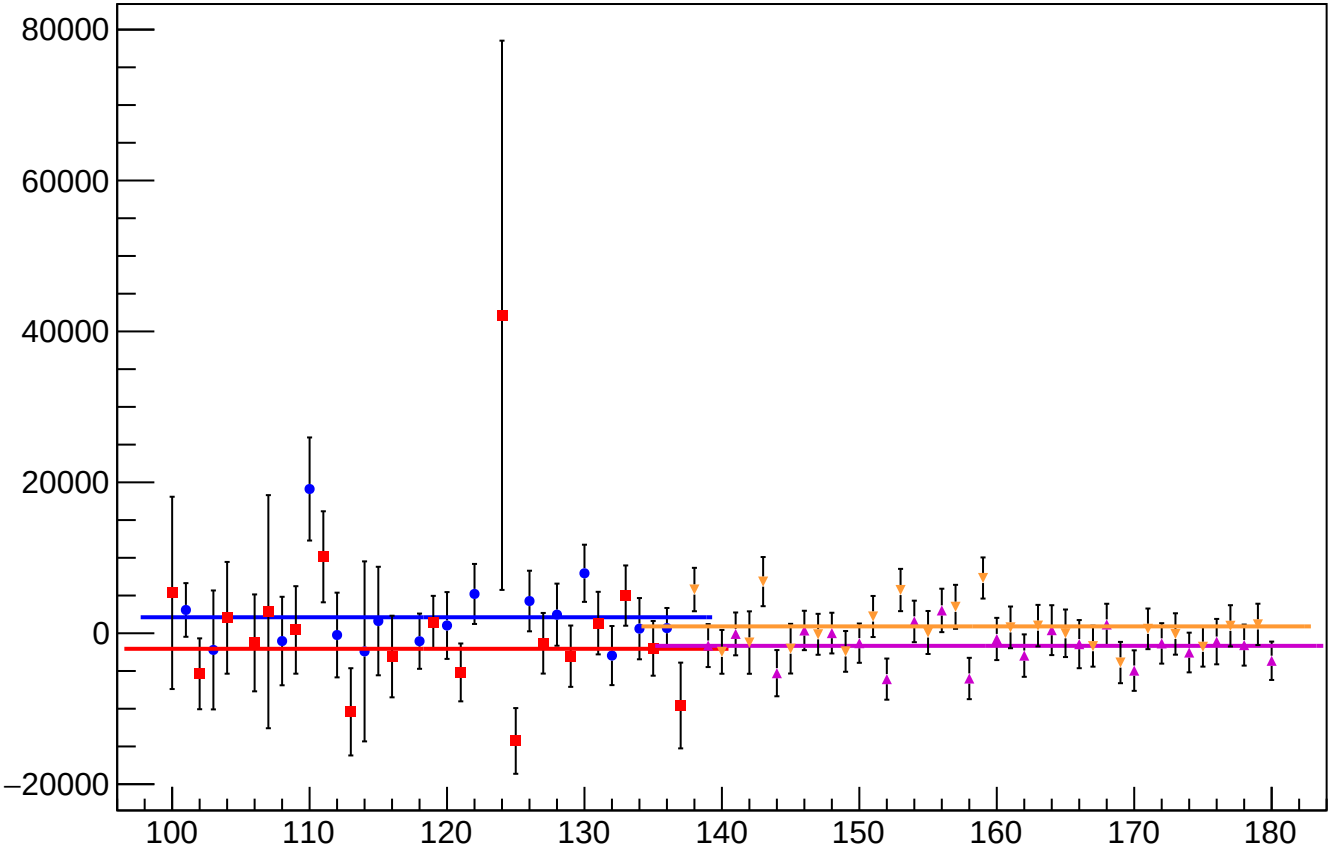
Left In: 738.166+/-0.130 χ^2/NDF:1780307.4/20

+ sign 798.753+/-0.121 χ^2/NDF: 3860833.5/36

All: 794.821+/-0.086 χ^2/NDF: 9387065.5/75

- sign 790.944+/-0.121 χ^2/NDF: 5524147.8/38

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 910.890+/-607.312 χ^2/NDF:25.2/21

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

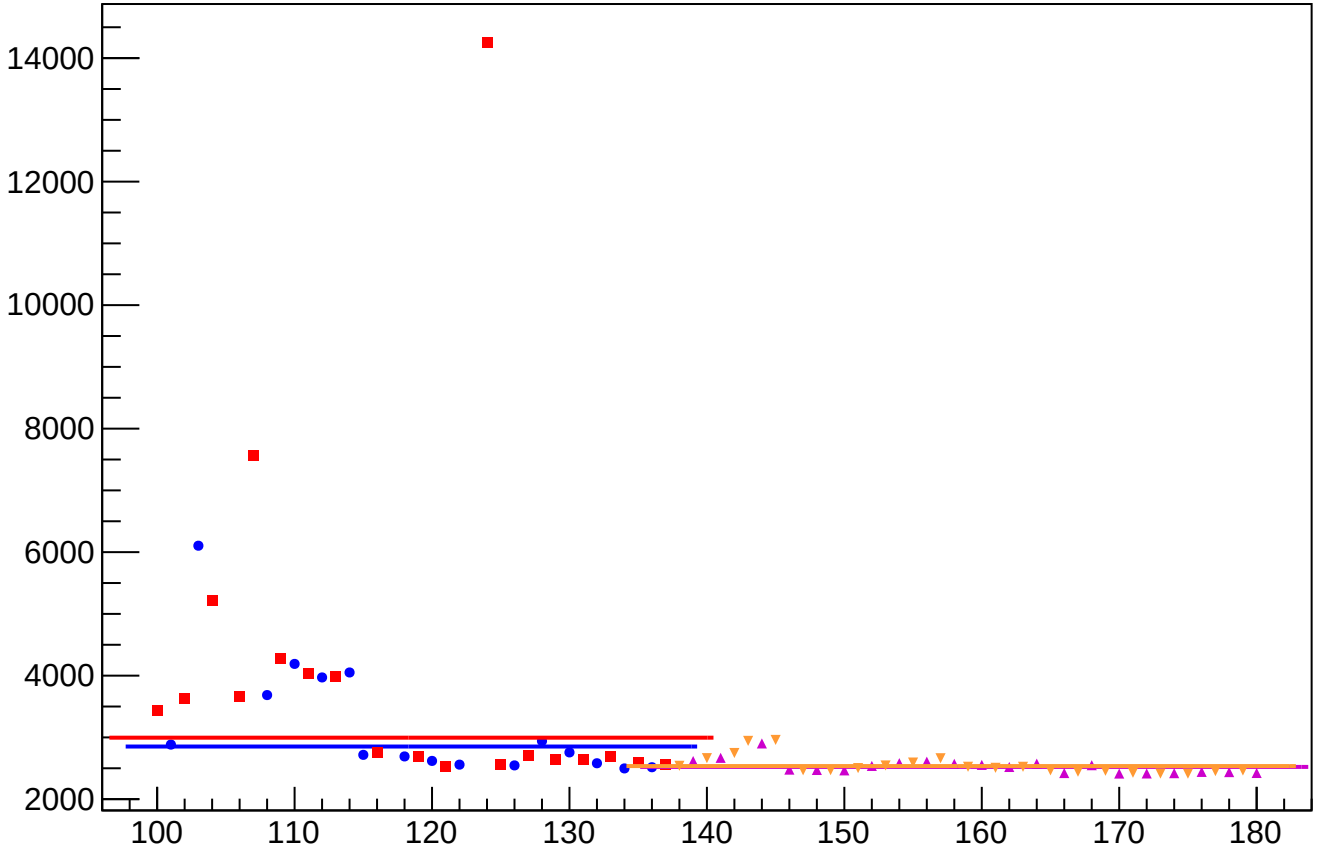
Left In: -1668.132+/-607.796 χ^2/NDF:15.9/20

+ sign 1199.933+/-529.908 χ^2/NDF: 39.5/37

All: -260.747+/-376.836 χ^2/NDF: 95.2/77

- 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: 2535.684+/-0.429 χ^2/NDF:100757.9/21

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

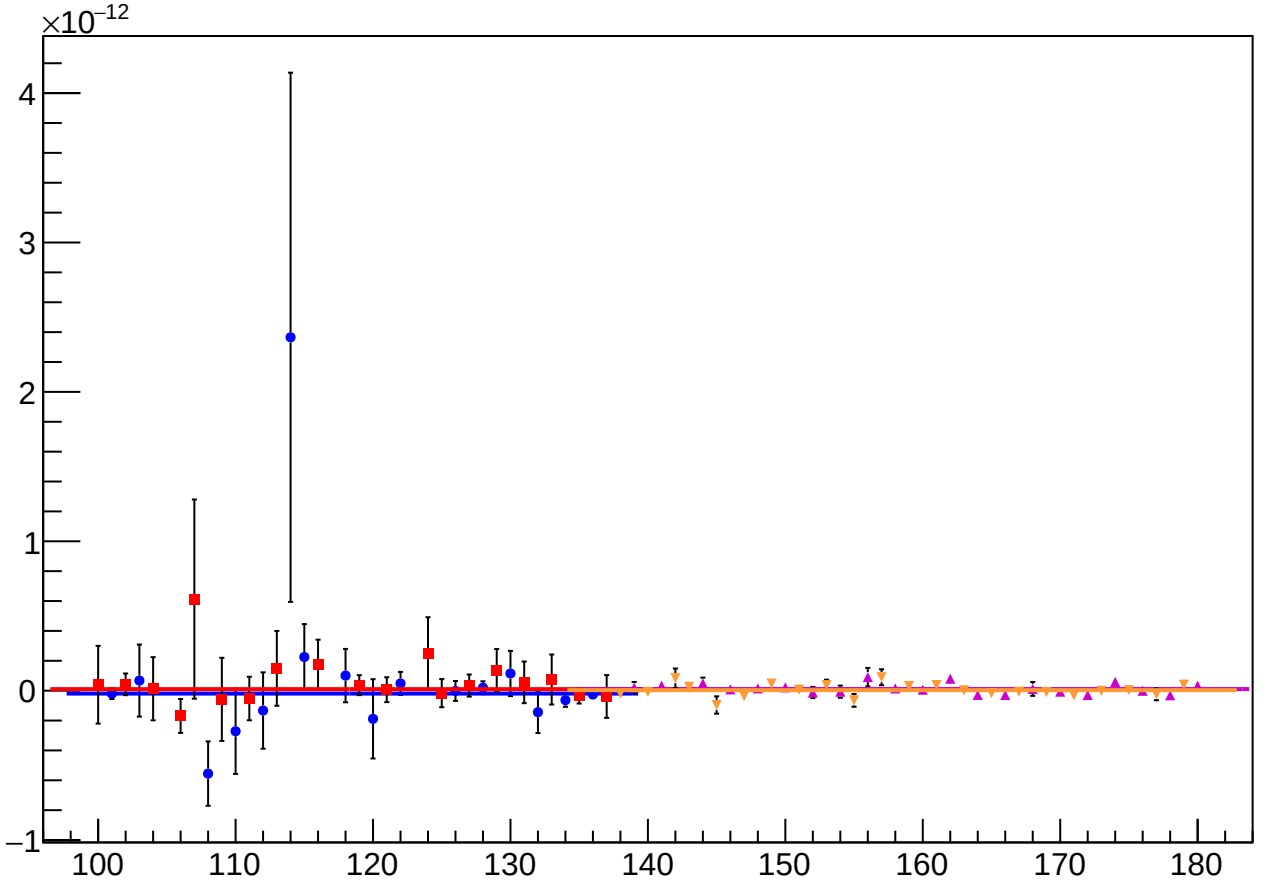
Left In: 2521.990+/-0.430 χ^2/NDF:62605.2/20

+ sign 2611.226+/-0.375 χ^2/NDF: 879130.0/37

All: 2619.151+/-0.266 χ^2/NDF: 2191688.8/77

- 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:27.0/21

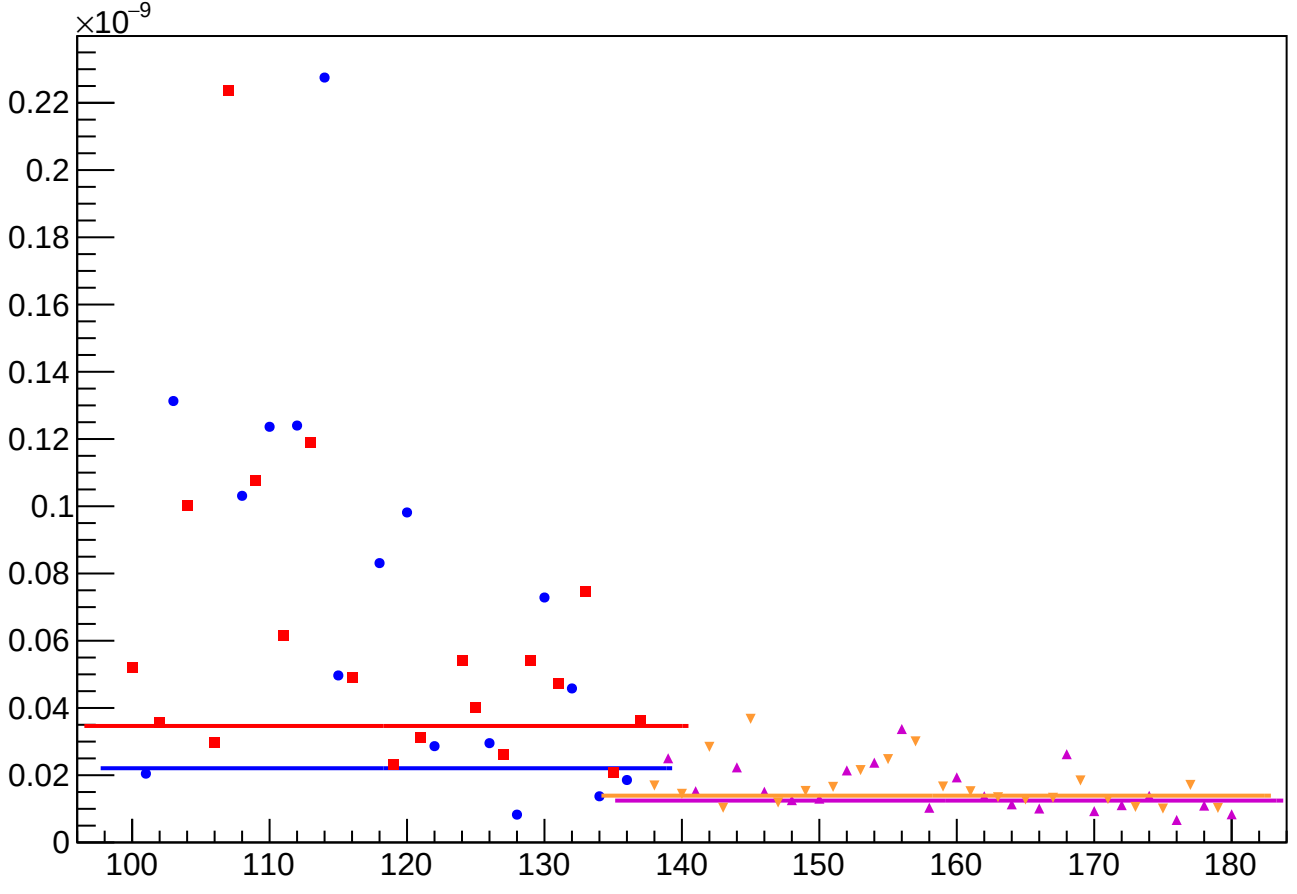
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:31.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/37

All: 0.000+/-0.000 χ^2/NDF: 85.1/77

- sign 0.000+/-0.000 χ^2/NDF: 39.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1257476.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

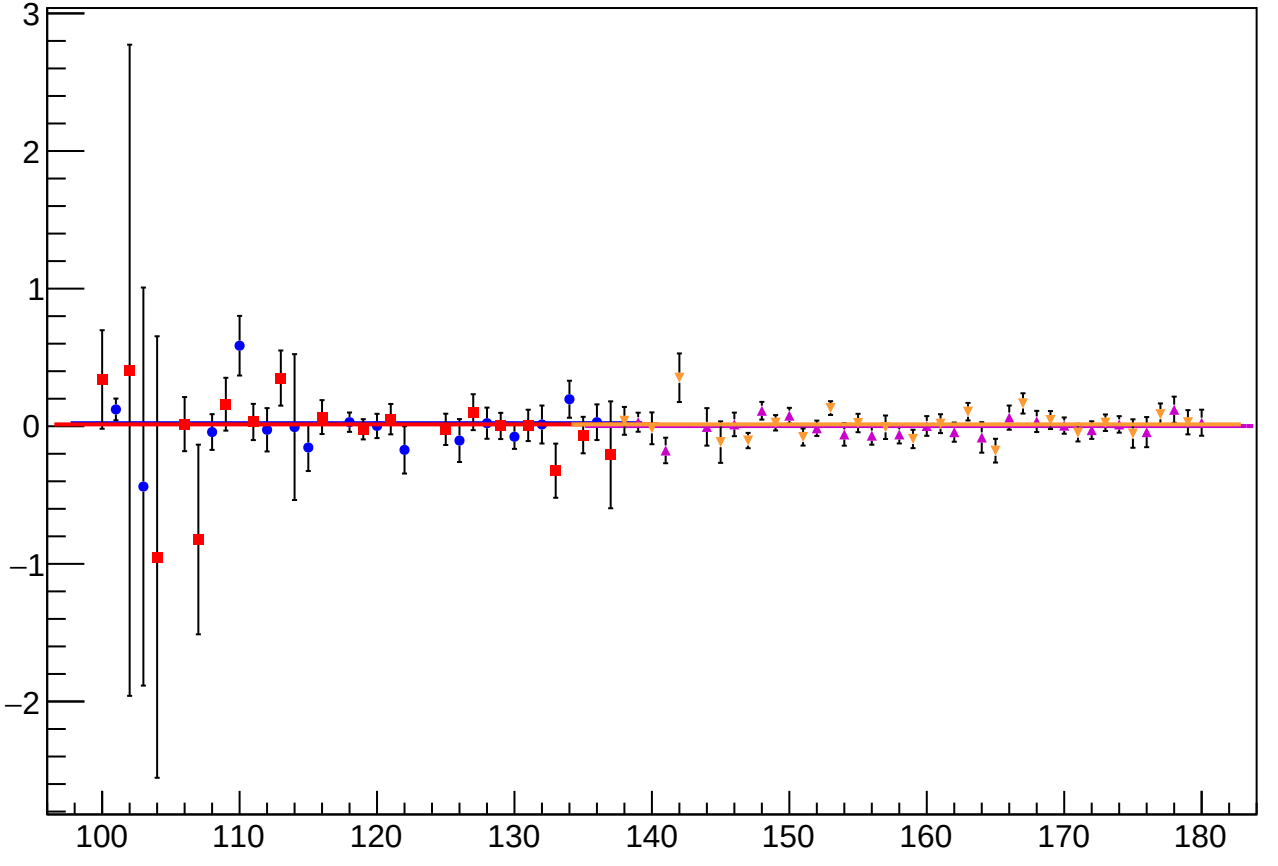
Left In: 0.000+/-0.000 χ^2/NDF:1662177.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 4010882.1/37

All: 0.000+/-0.000 χ^2/NDF: 8539243.9/77

- 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: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

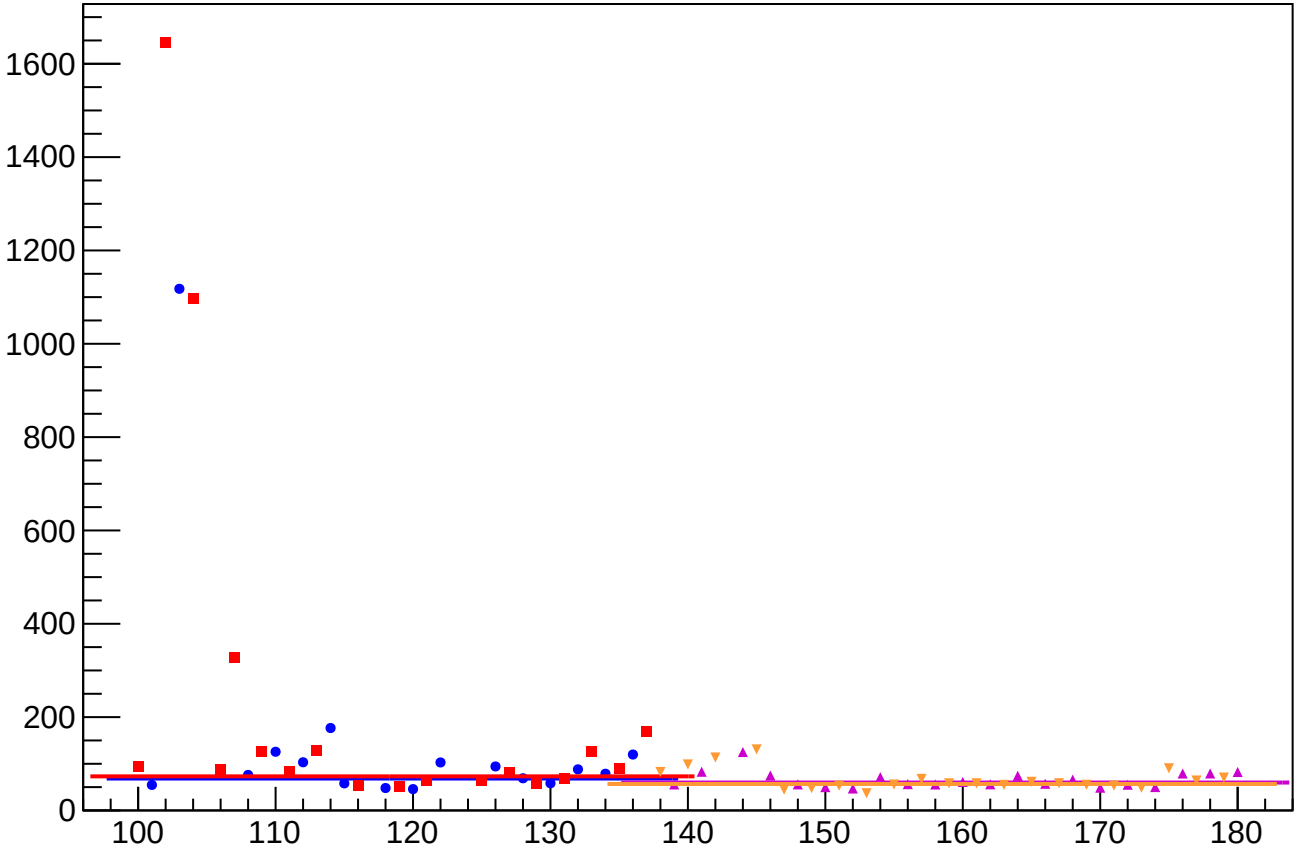
Left In: 0.001+/-0.016 χ^2/NDF:14.9/20

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/36

All: 0.010+/-0.010 χ^2/NDF: 74.2/75

- 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: 56.763+/-0.011 χ^2/NDF:1908350.4/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

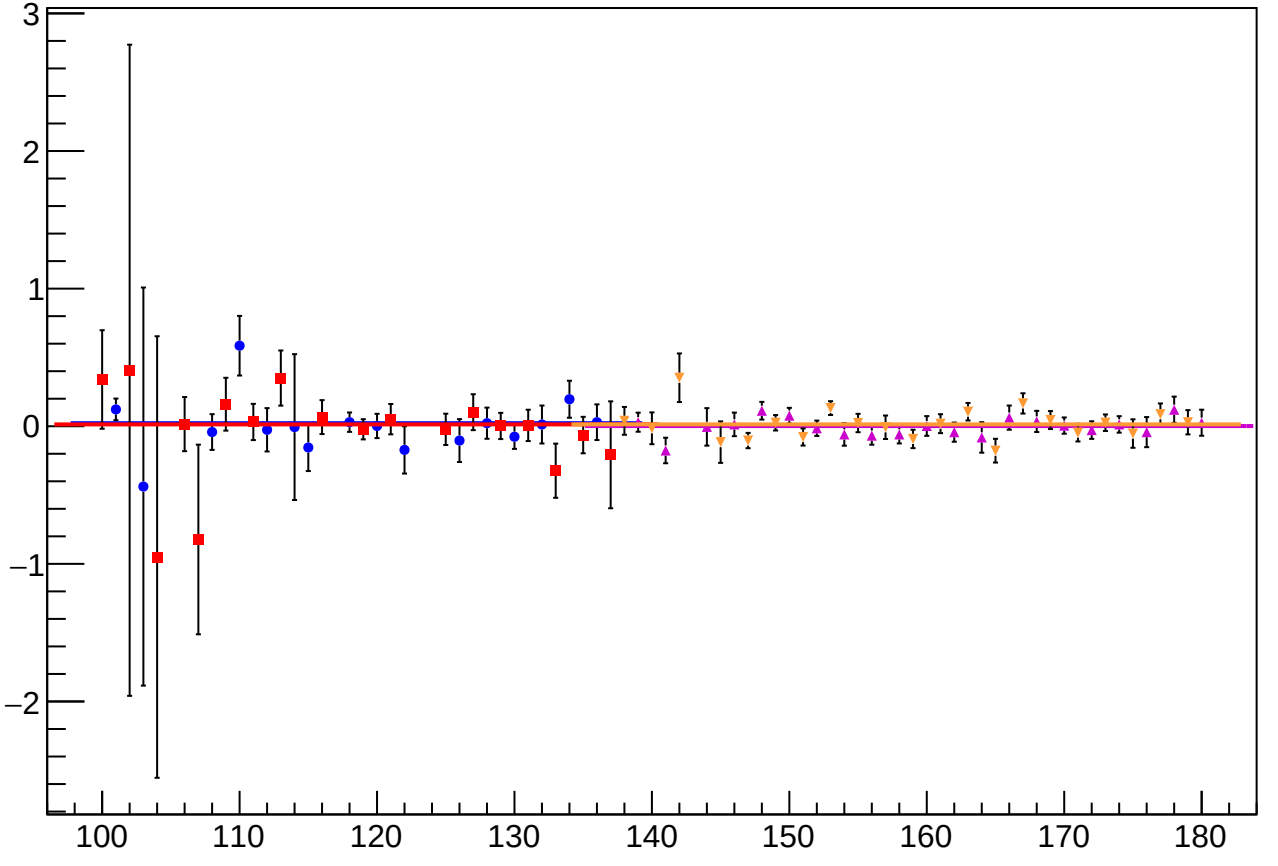
Left In: 59.823+/-0.011 χ^2/NDF:1327272.1/20

+ sign 59.256+/-0.010 χ^2/NDF: 4421886.6/36

All: 60.719+/-0.007 χ^2/NDF: 8962909.3/75

- 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: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

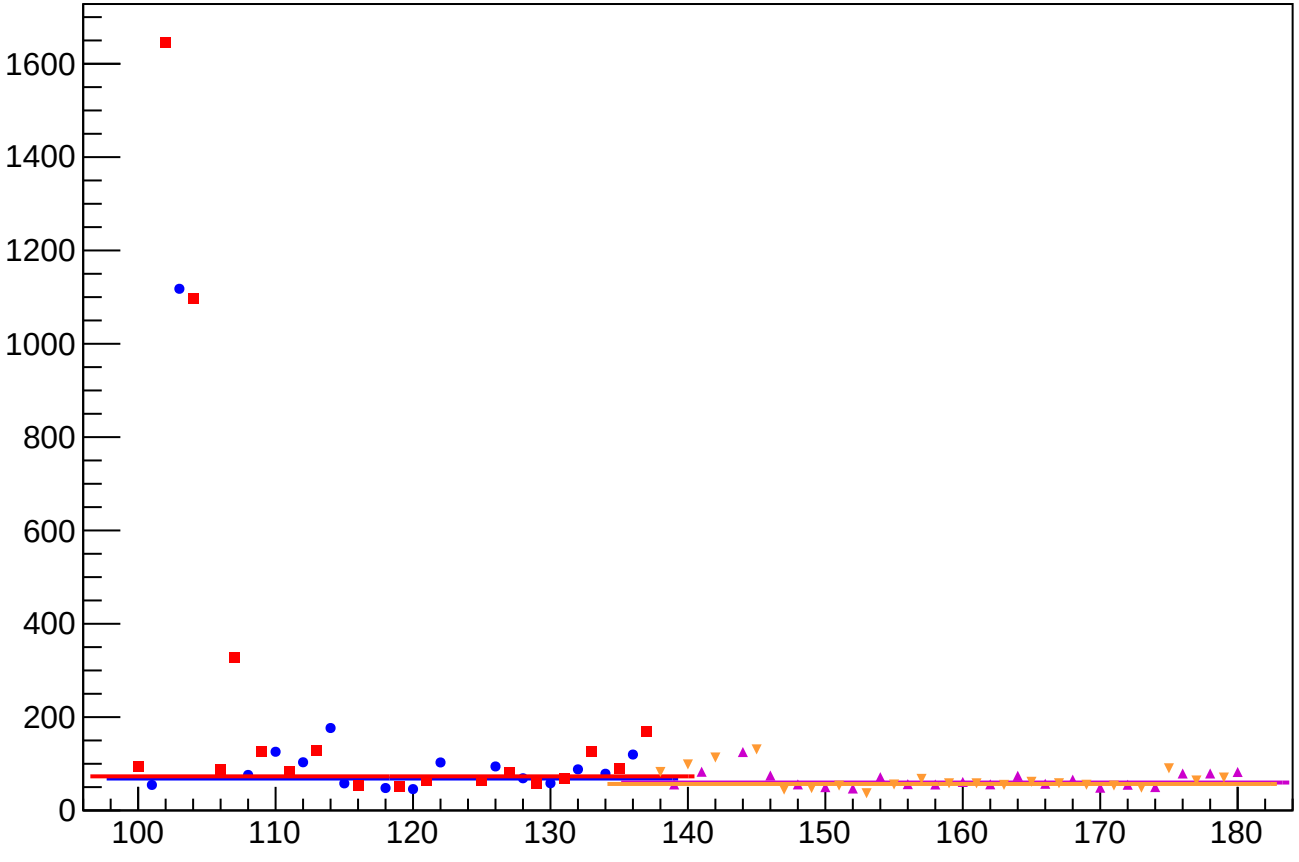
Left In: 0.001+/-0.016 χ^2/NDF:14.9/20

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/36

All: 0.010+/-0.010 χ^2/NDF: 74.2/75

- 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: 56.763+/-0.011 χ^2/NDF:1908350.4/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

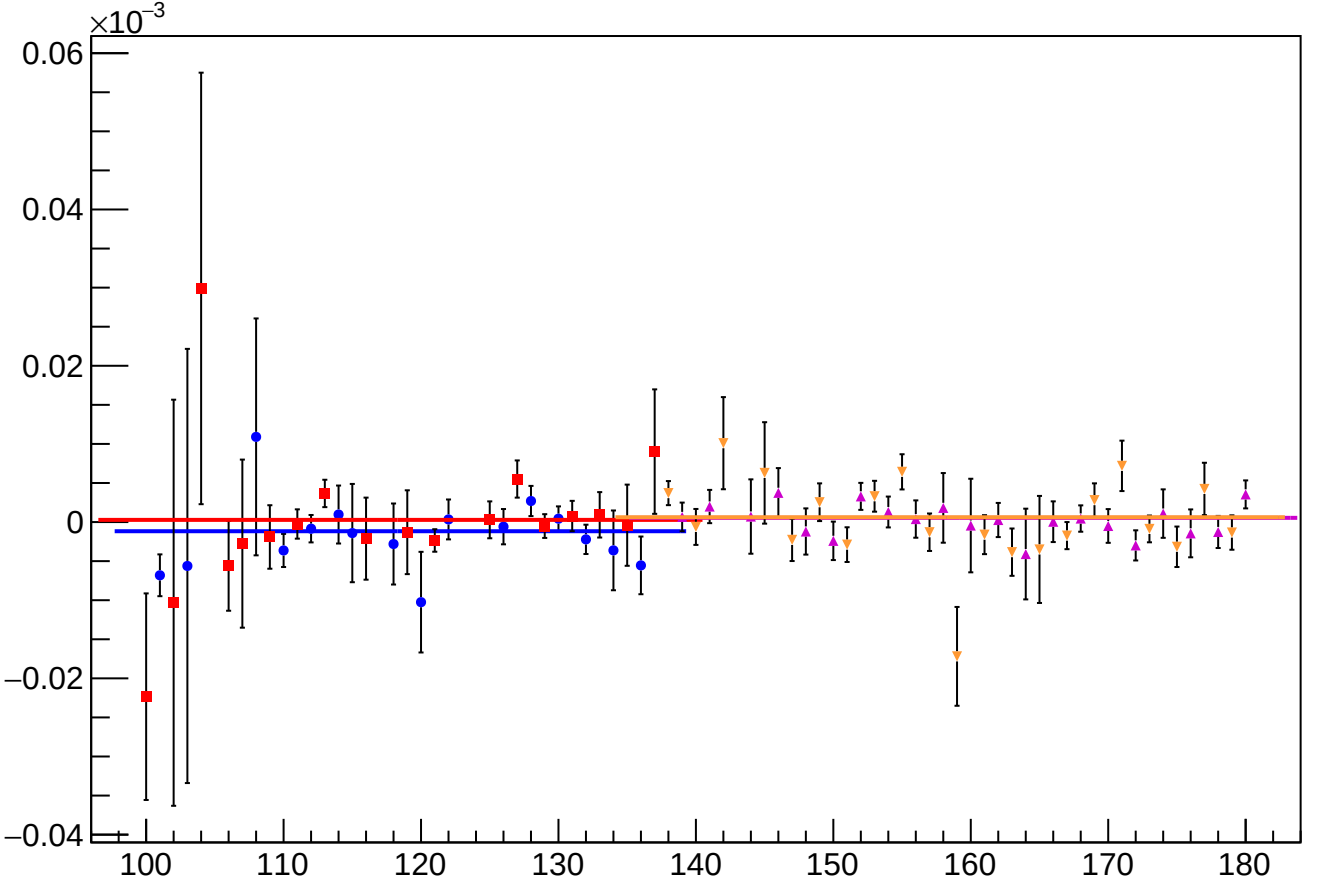
Left In: 59.823+/-0.011 χ^2/NDF:1327272.1/20

+ sign 59.256+/-0.010 χ^2/NDF: 4421886.6/36

All: 60.719+/-0.007 χ^2/NDF: 8962909.3/75

- 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:44.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

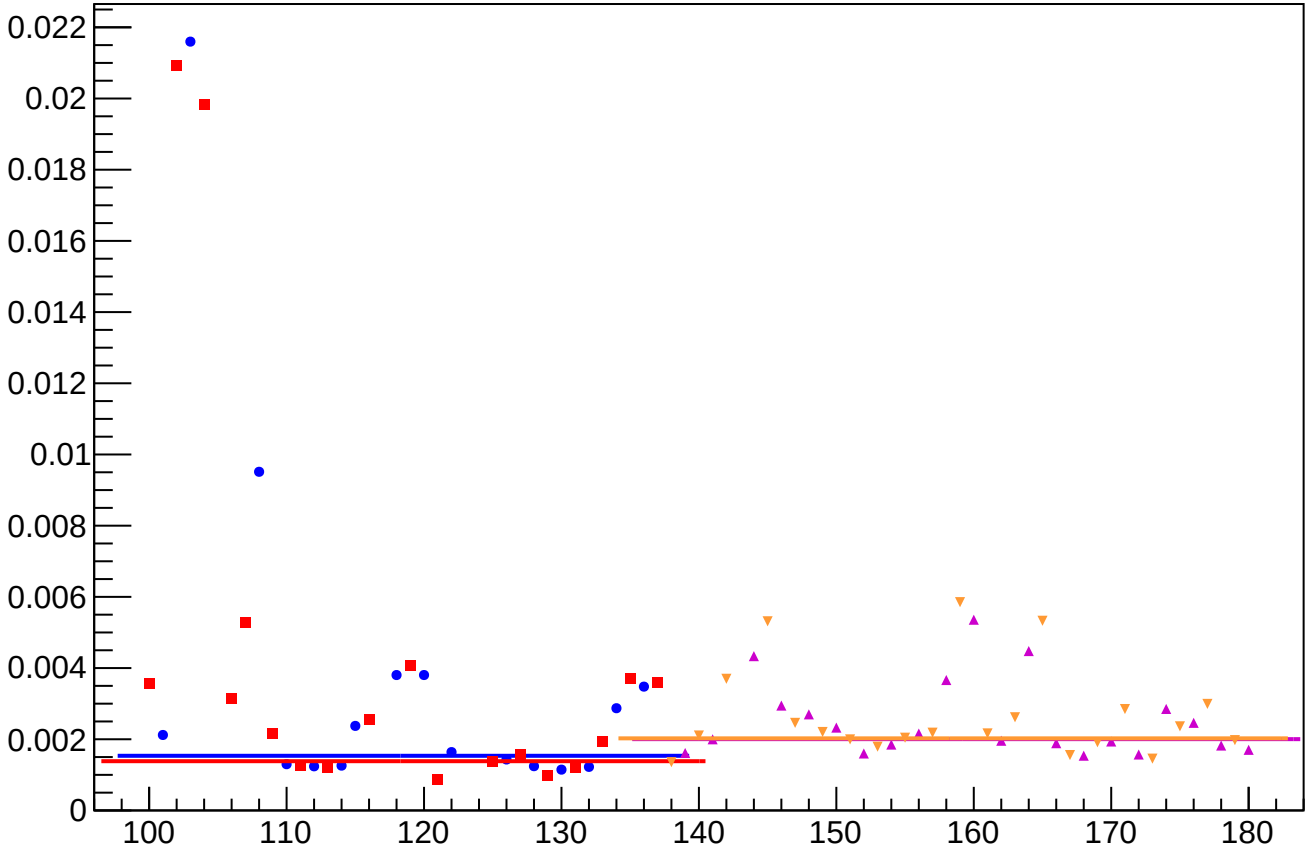
Left In: 0.000+/-0.000 χ^2/NDF:14.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/36

All: 0.000+/-0.000 χ^2/NDF: 99.7/75

- 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:3137810.8/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

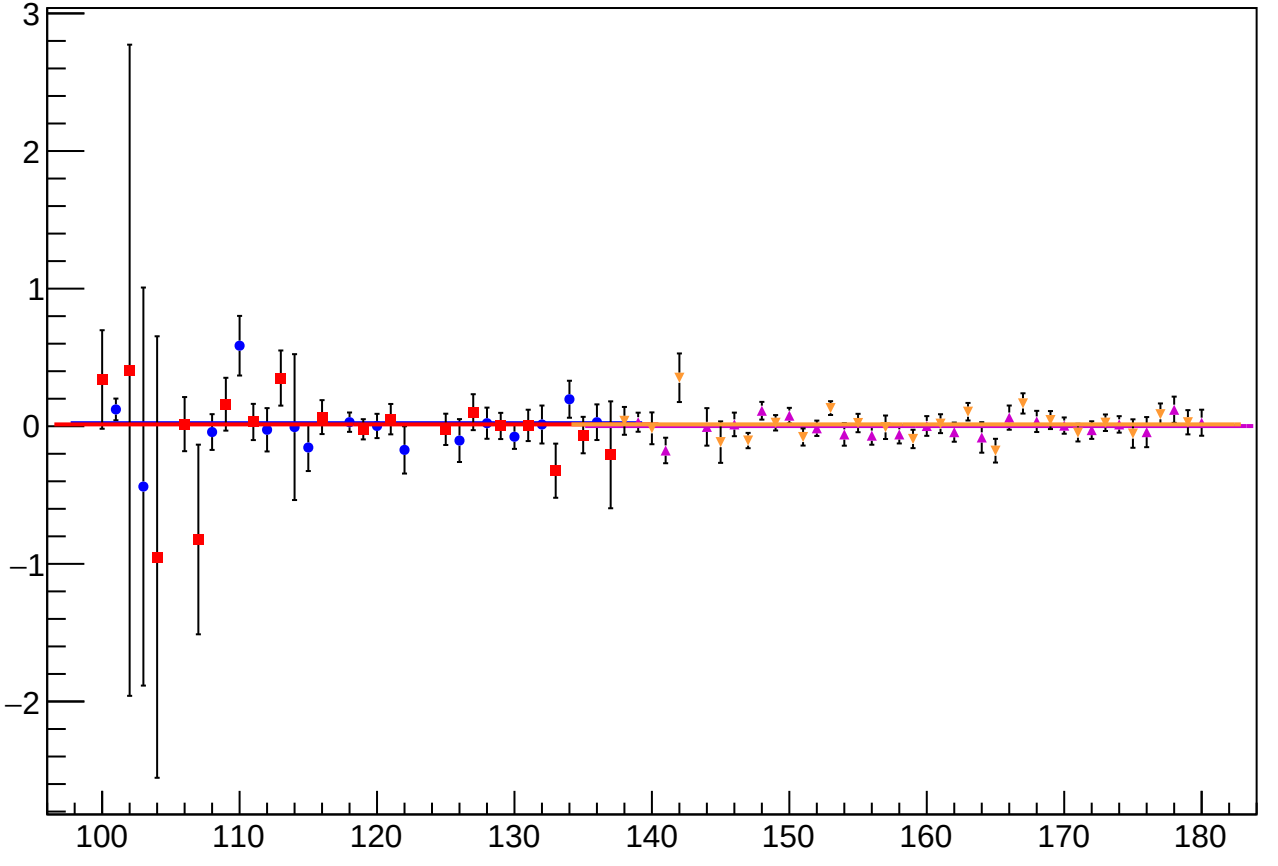
Left In: 0.002+/-0.000 χ^2/NDF:2816401.5/20

+ sign 0.002+/-0.000 χ^2/NDF: 7175240.6/36

All: 0.002+/-0.000 χ^2/NDF: 15450002.5/75

- 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: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

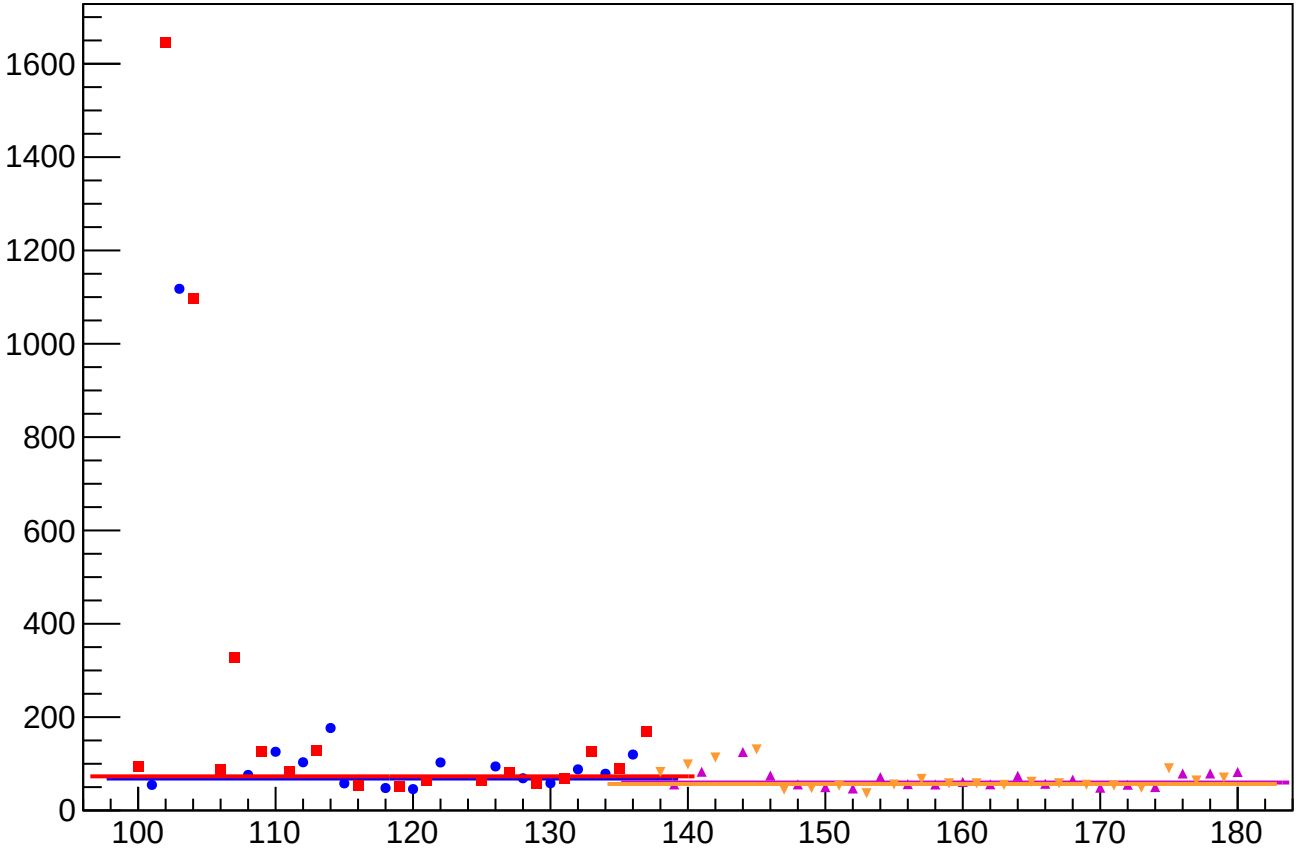
Left In: 0.001+/-0.016 χ^2/NDF:14.9/20

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/36

All: 0.010+/-0.010 χ^2/NDF: 74.2/75

- 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: 56.763+/-0.011 χ^2/NDF:1908423.1/20

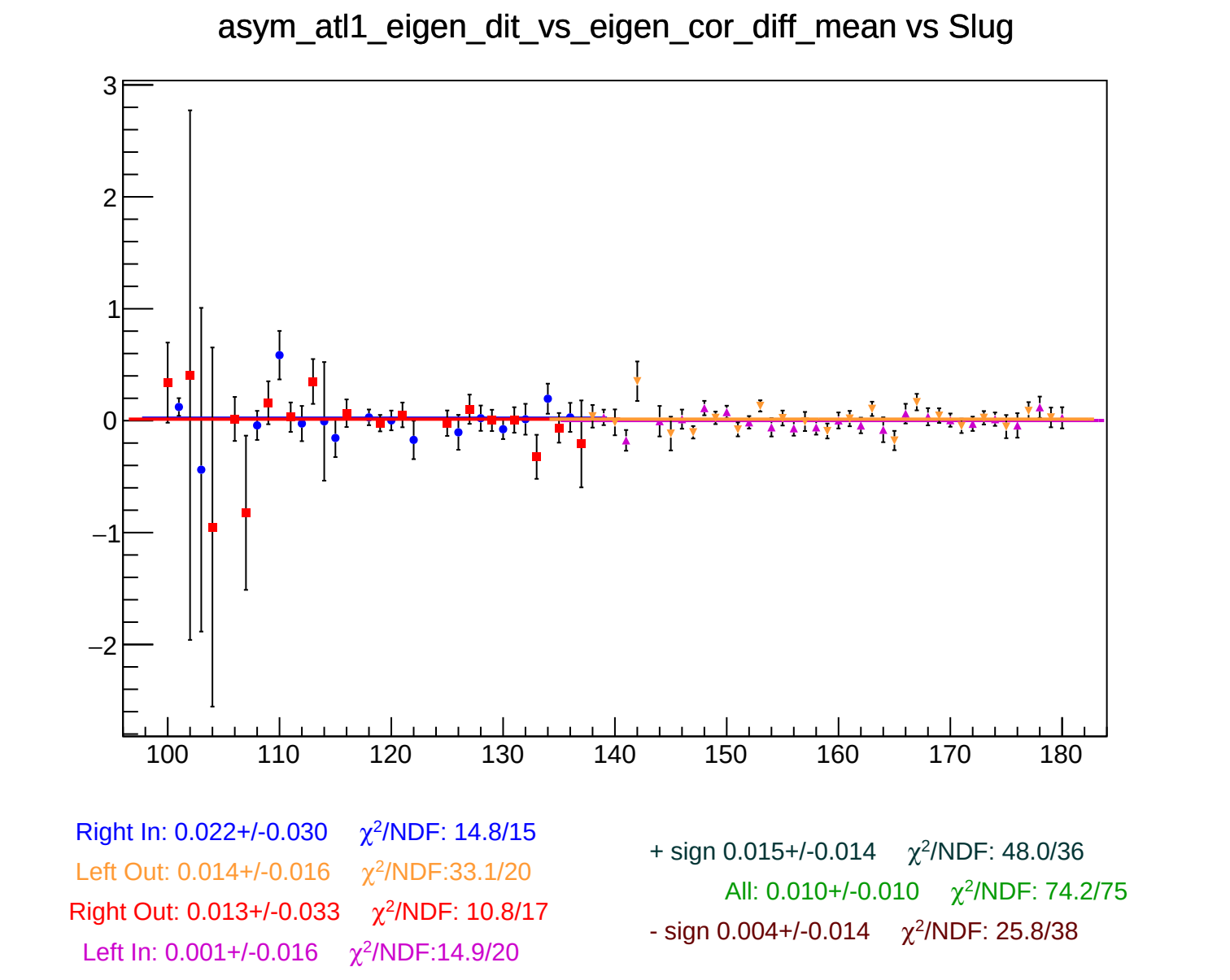
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.823+/-0.011 χ^2/NDF:1327255.5/20

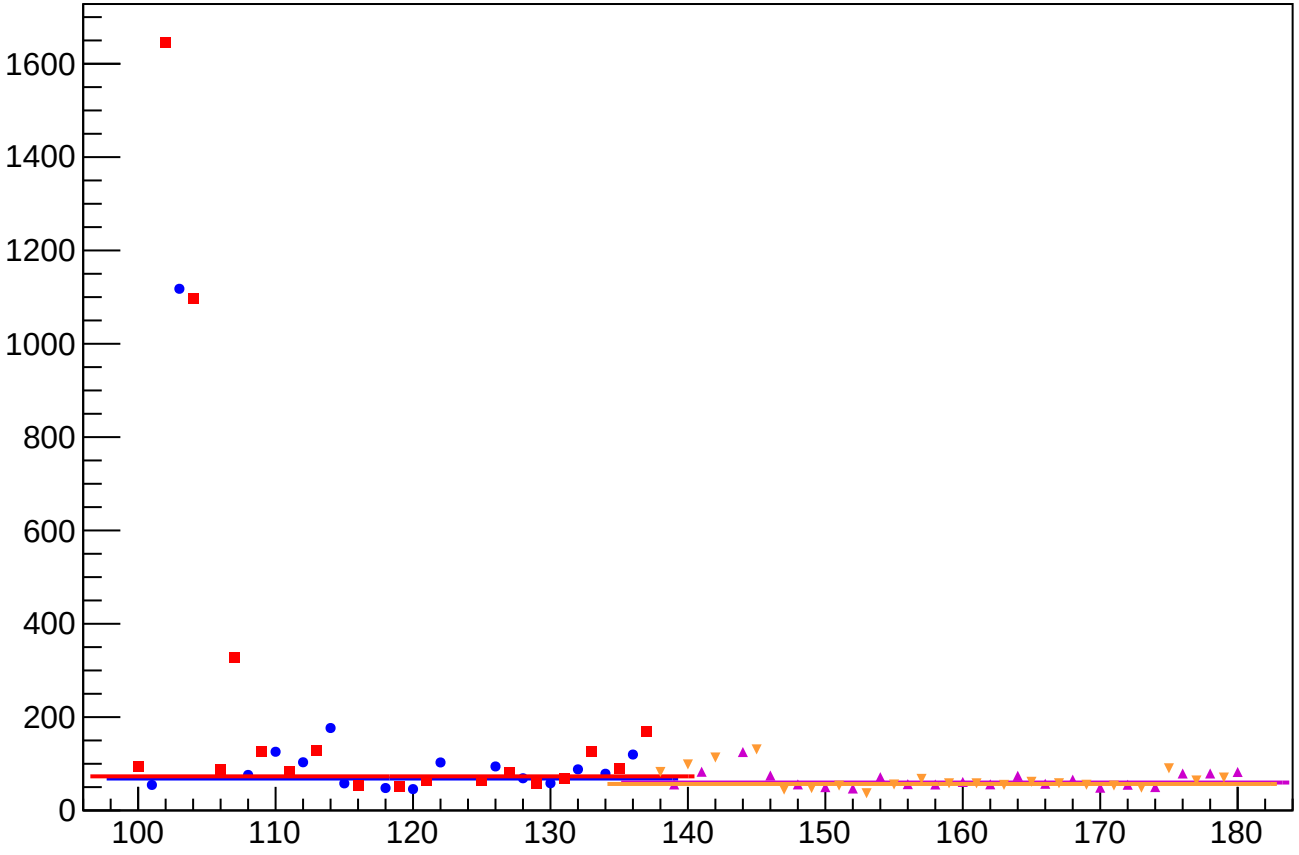
+ sign 59.256+/-0.010 χ^2/NDF: 4422007.1/36

All: 60.719+/-0.007 χ^2/NDF: 8963007.9/75

- sign 62.292+/-0.010 χ^2/NDF: 4495275.8/38


asym_atl1_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: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.014+/-0.016 χ²/NDF:33.1/20
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: 0.001+/-0.016 χ²/NDF:14.9/20
+ sign 0.015+/-0.014 χ²/NDF: 48.0/36
All: 0.010+/-0.010 χ²/NDF: 74.2/75
- sign 0.004+/-0.014 χ²/NDF: 25.8/38

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908423.1/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

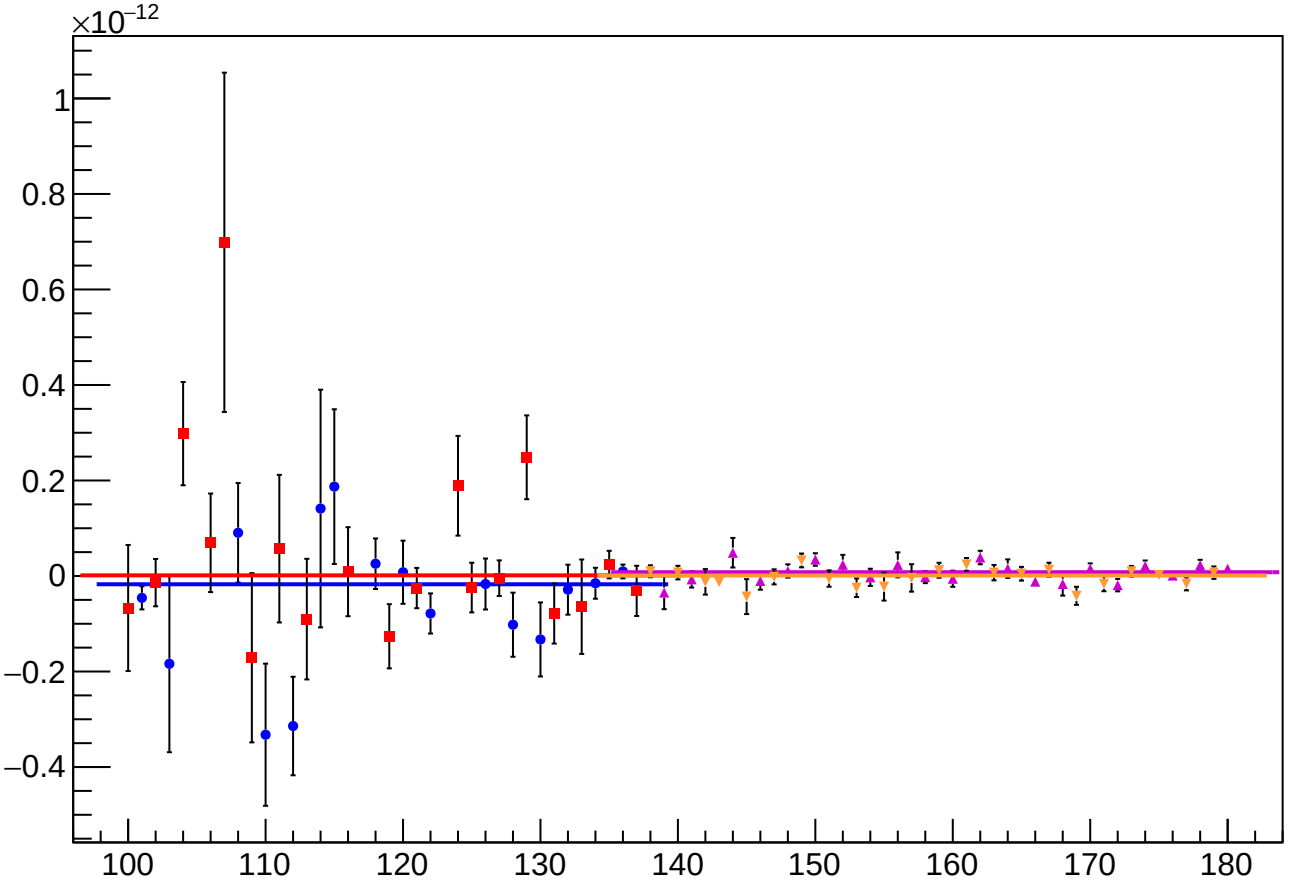
Left In: 59.823+/-0.011 χ^2/NDF:1327255.5/20

+ sign 59.256+/-0.010 χ^2/NDF: 4422007.1/36

All: 60.719+/-0.007 χ^2/NDF: 8963007.9/75

- 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:24.8/21

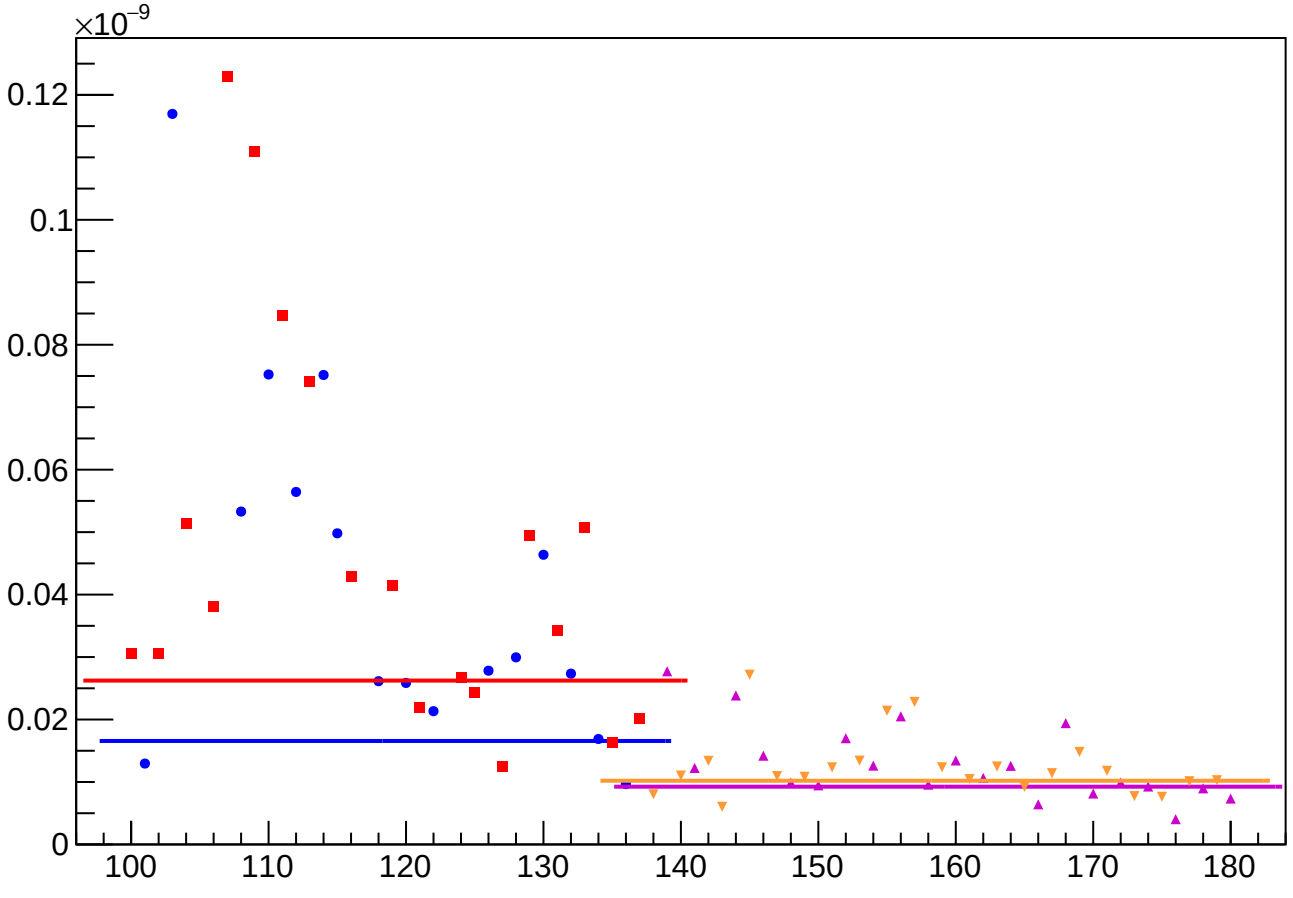
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:30.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 56.2/37

All: 0.000+/-0.000 χ^2/NDF: 123.2/77

- sign 0.000+/-0.000 χ^2/NDF: 63.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2187196.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

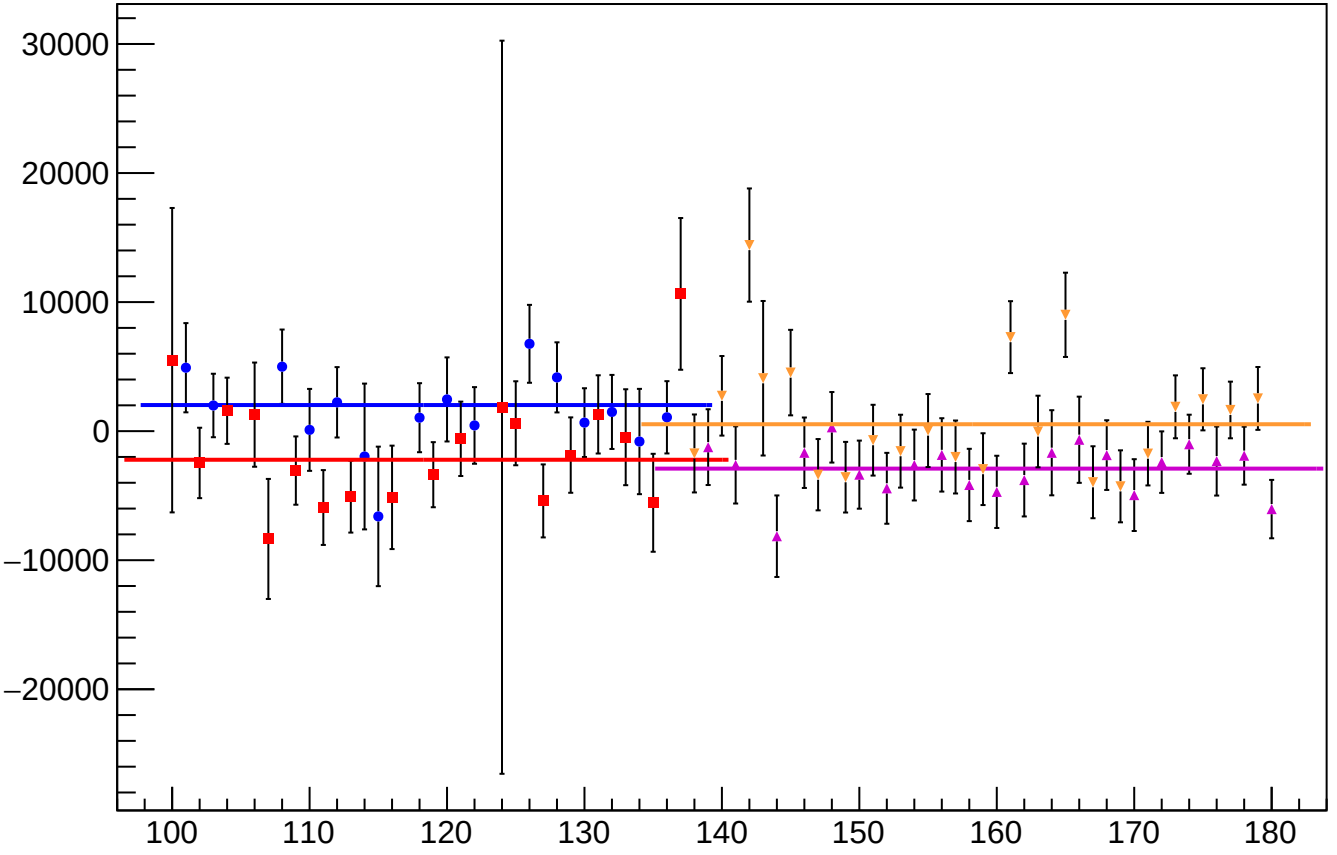
Left In: 0.000+/-0.000 χ^2/NDF:3772572.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 5750511.6/37

All: 0.000+/-0.000 χ^2/NDF: 14671820.0/77

- sign 0.000+/-0.000 χ^2/NDF: 8842343.5/39

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.499+/-599.841 χ^2/NDF:41.3/21

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

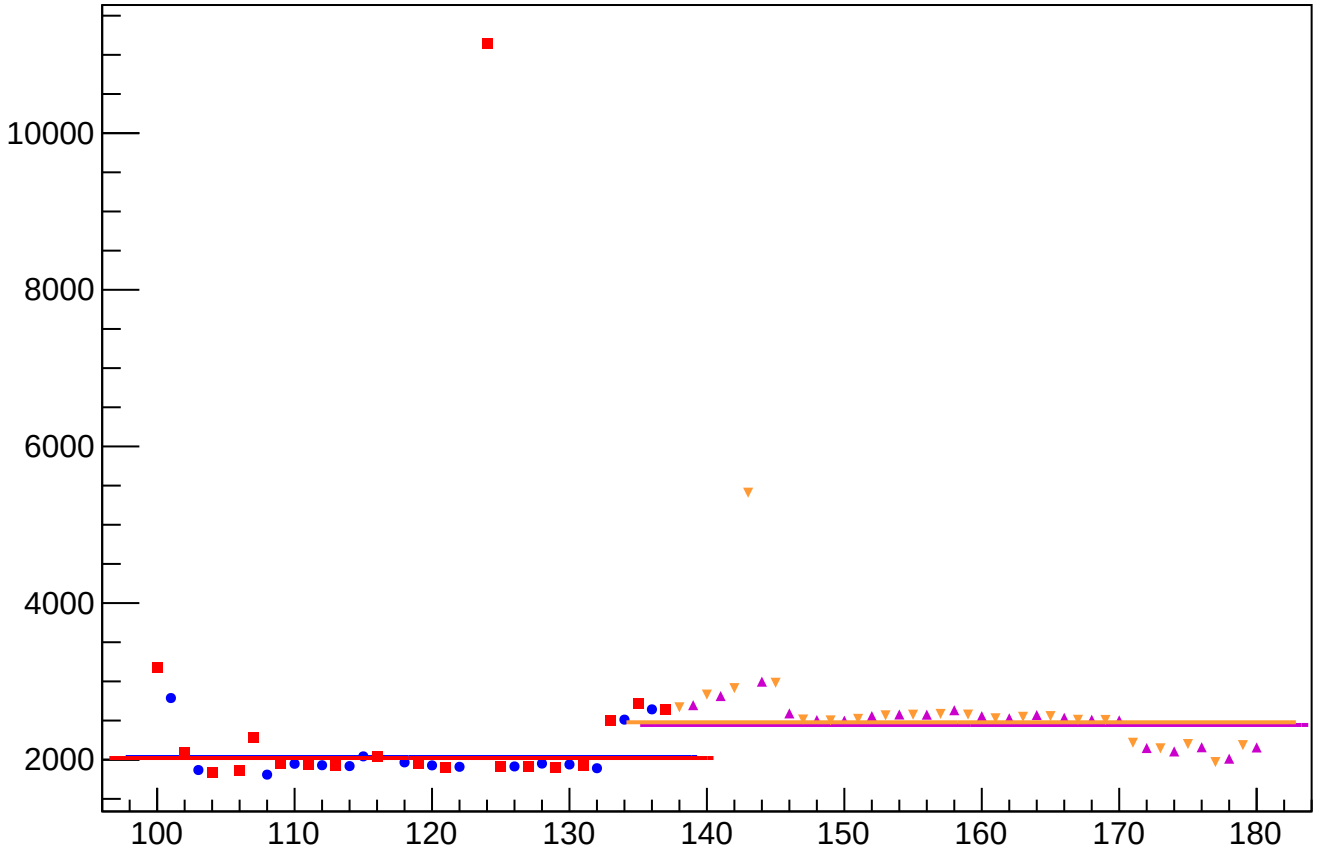
Left In: -2903.793+/-591.495 χ^2/NDF:10.0/20

+ sign 1102.317+/-471.883 χ^2/NDF: 53.2/37

All: -794.383+/-331.531 χ^2/NDF: 113.8/77

- 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: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

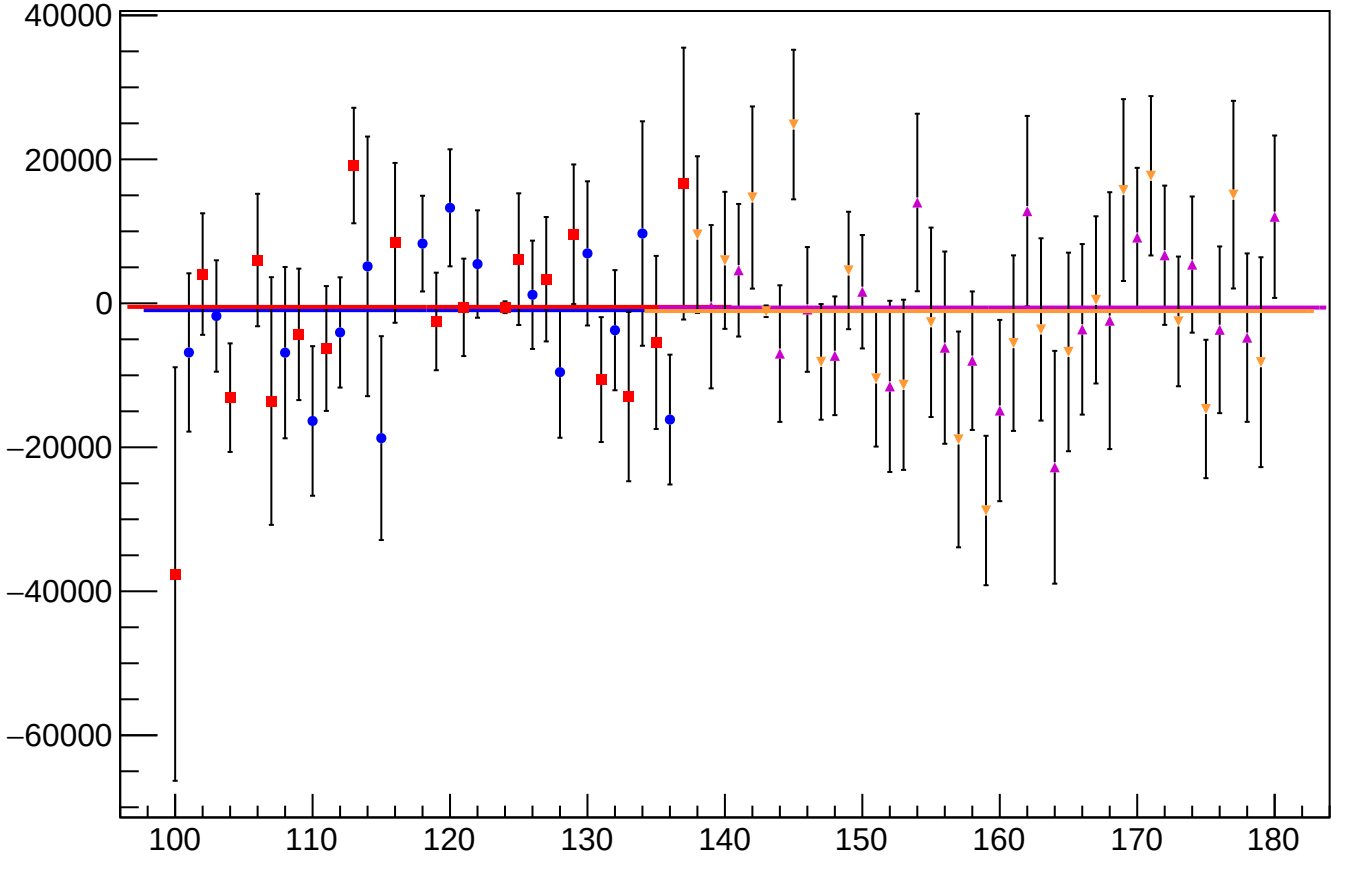
Left In: 2443.681+/-0.418 χ^2/NDF:350021.2/20

+ sign 2308.853+/-0.334 χ^2/NDF: 1496825.6/37

All: 2295.978+/-0.234 χ^2/NDF: 2626819.3/77

- 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: -1071.511+/-764.249 χ^2/NDF:29.6/21

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

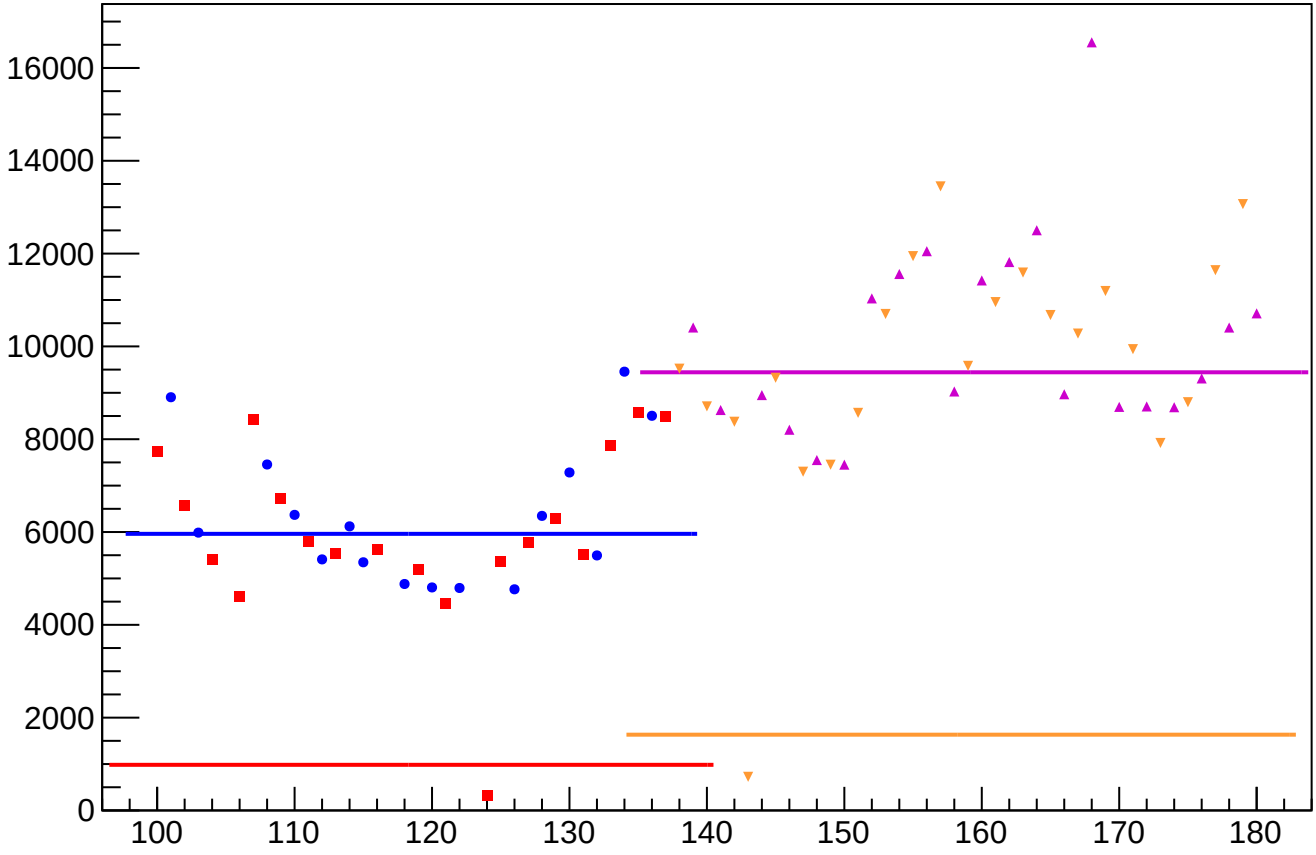
Left In: -588.061+/-2317.497 χ^2/NDF:12.2/20

+ sign -1059.276+/-724.577 χ^2/NDF: 45.0/37

All: -784.582+/-514.000 χ^2/NDF: 75.9/77

- 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: 1632.889+/-0.540 χ^2/NDF:25401035.6/21

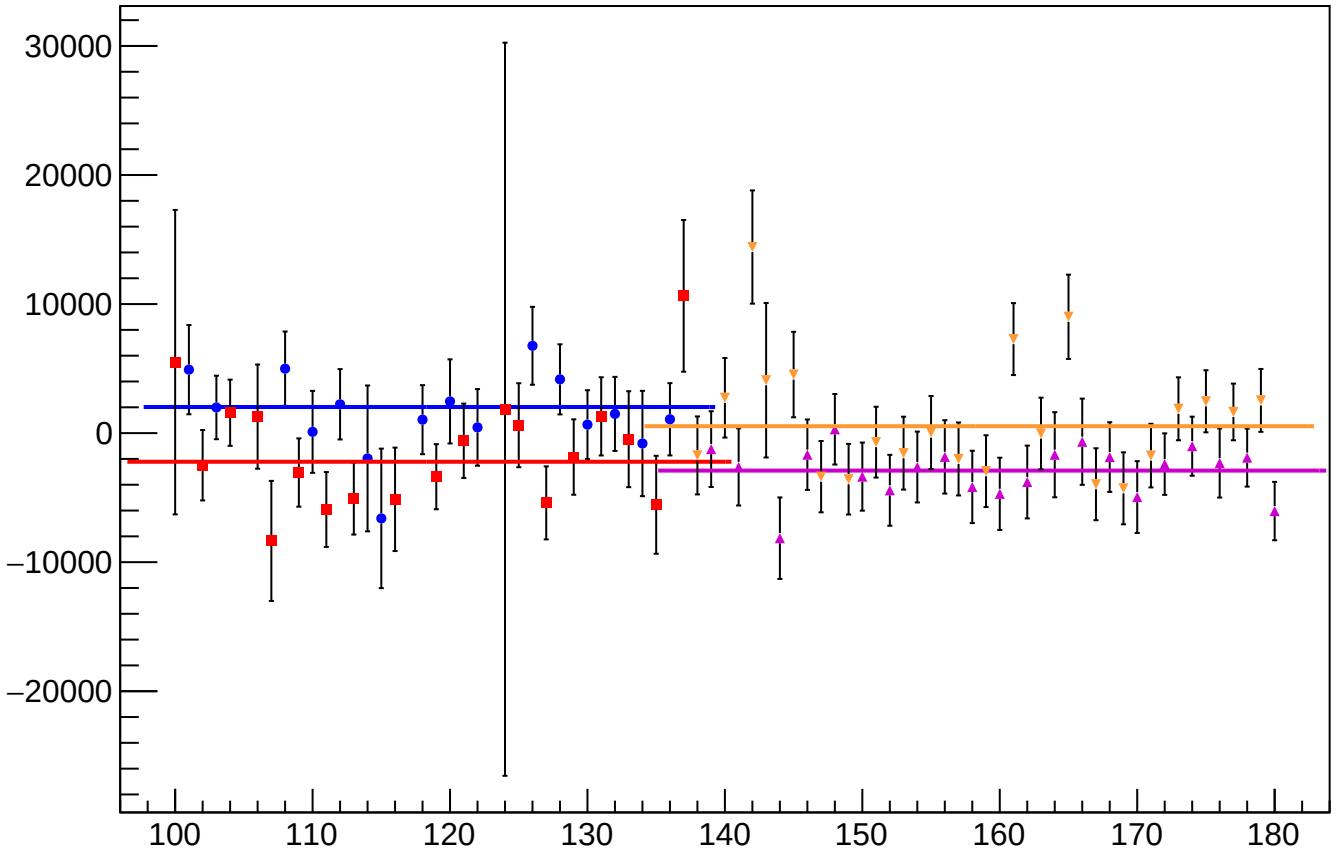
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9442.209+/-1.639 χ^2/NDF:1065982.4/20

+ sign 2070.550+/-0.512 χ^2/NDF: 32576288.6/37

All: 1946.537+/-0.363 χ^2/NDF: 69183669.6/7

- 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: 535.456+/-599.841 χ^2/NDF:41.3/21

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

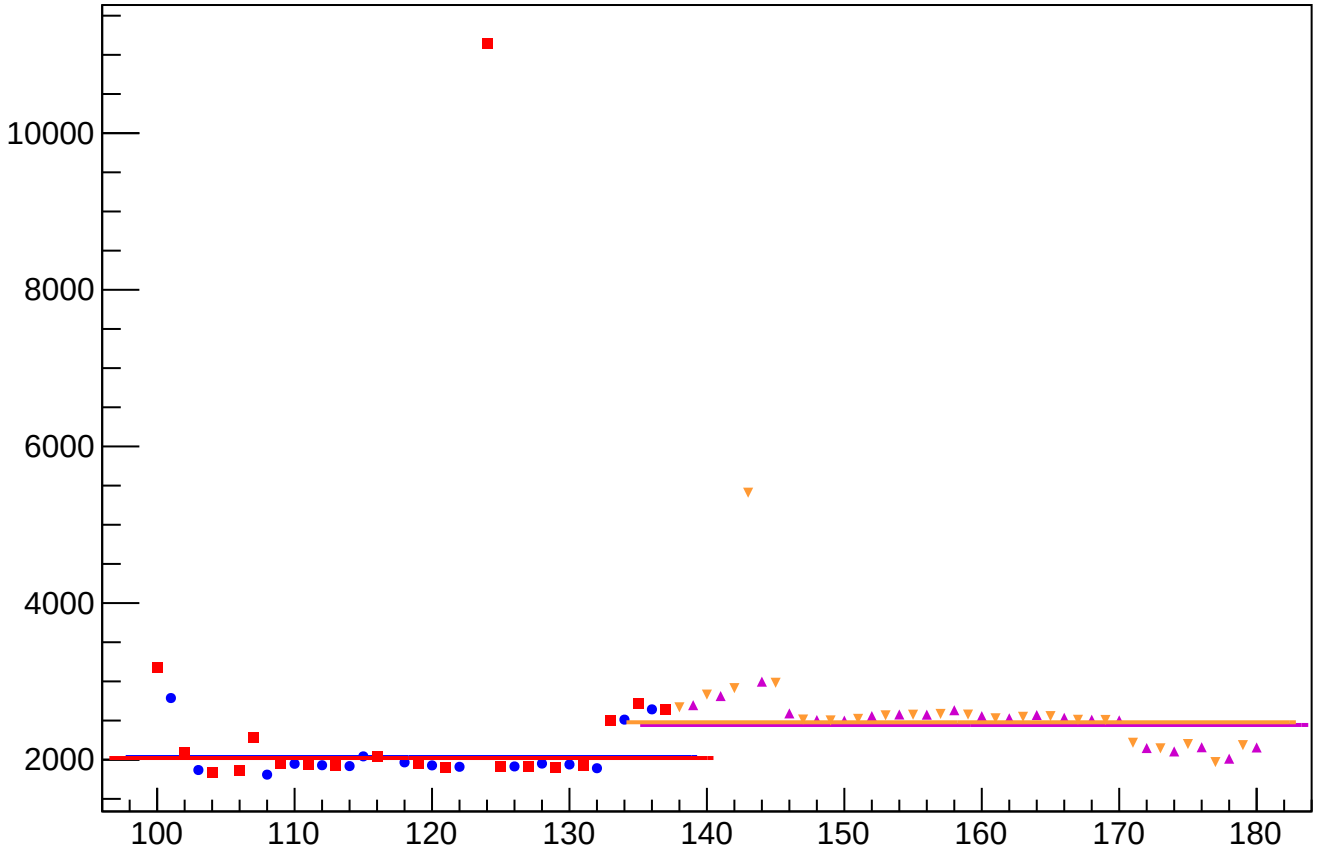
Left In: -2903.711+/-591.495 χ^2/NDF:10.0/20

+ sign 1102.338+/-471.883 χ^2/NDF: 53.2/37

All: -794.695+/-331.531 χ^2/NDF: 113.8/77

- 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: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

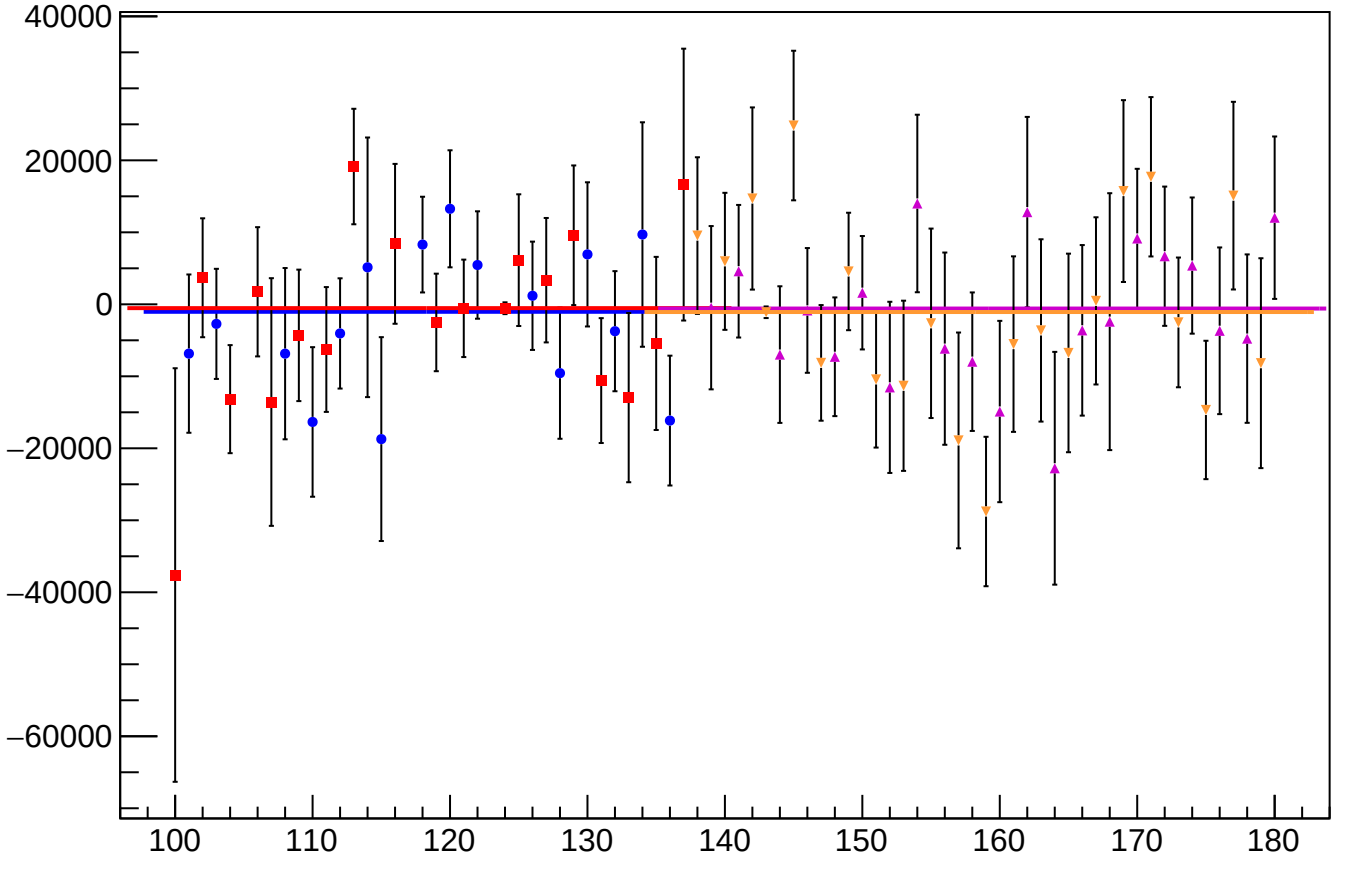
Left In: 2443.681+/-0.418 χ^2/NDF:350021.1/20

+ sign 2308.853+/-0.334 χ^2/NDF: 1496825.8/37

All: 2295.983+/-0.234 χ^2/NDF: 2626784.5/77

- 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: -1071.287+/-764.183 χ^2/NDF:29.6/21

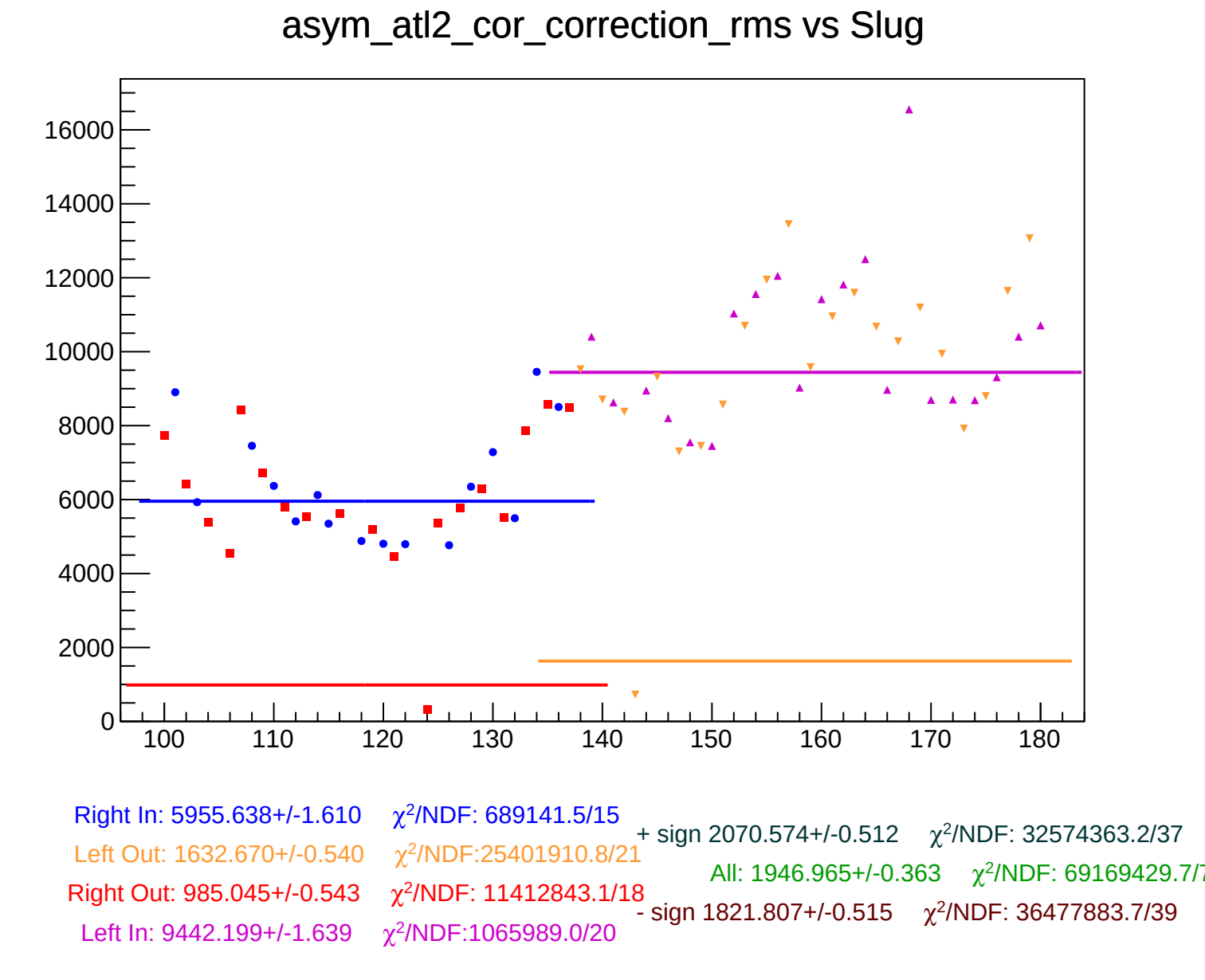
Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -588.180+/-2317.495 χ^2/NDF:12.2/20

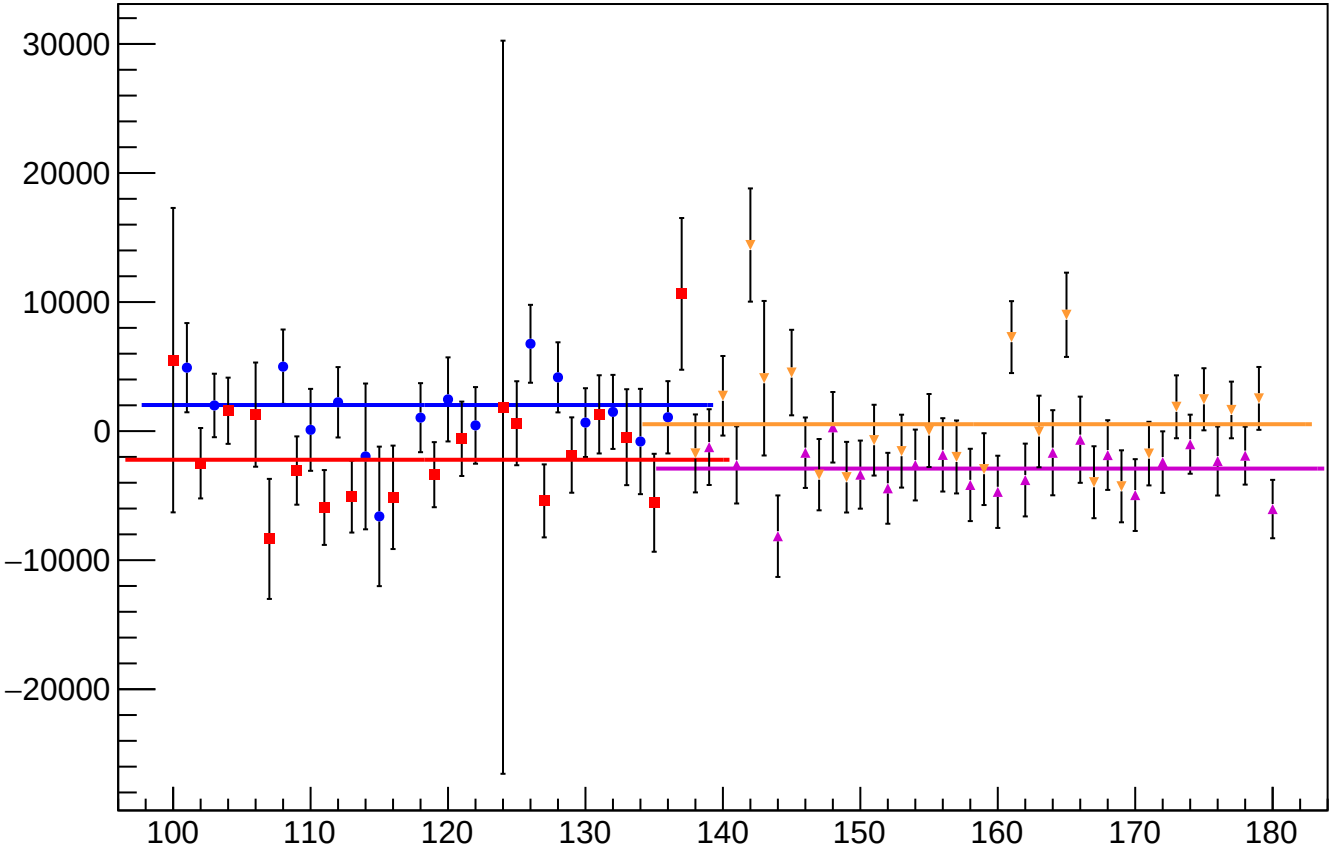
+ sign -1067.910+/-724.445 χ^2/NDF: 45.0/37

All: -803.785+/-513.851 χ^2/NDF: 75.5/77

- sign -536.353+/-728.967 χ^2/NDF: 30.3/39


asym_atl2_cor_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
2000
0
100
110
120
130
140
150
160
170
180
Right In: 5955.638+/-1.610 χ²/NDF: 689141.5/15
Left Out: 1632.670+/-0.540 χ²/NDF:25401910.8/21
Right Out: 985.045+/-0.543 χ²/NDF: 11412843.1/18
Left In: 9442.199+/-1.639 χ²/NDF:1065989.0/20
+ sign 2070.574+/-0.512 χ²/NDF: 32574363.2/37
All: 1946.965+/-0.363 χ²/NDF: 69169429.7/7
- sign 1821.807+/-0.515 χ²/NDF: 36477883.7/39

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.456+/-599.841 χ^2/NDF:41.3/21

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

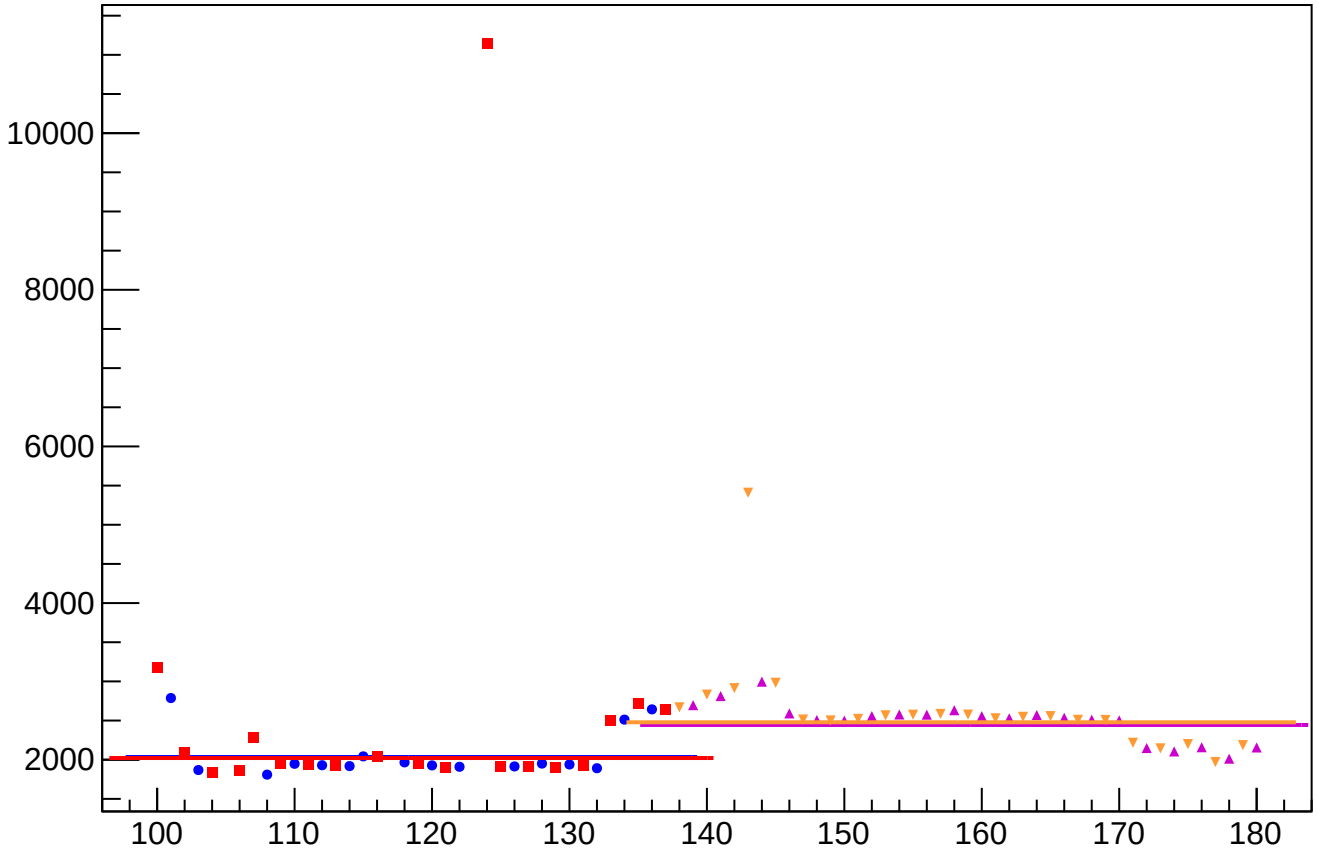
Left In: -2903.711+/-591.495 χ^2/NDF:10.0/20

+ sign 1102.338+/-471.883 χ^2/NDF: 53.2/37

All: -794.695+/-331.531 χ^2/NDF: 113.8/77

- 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: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

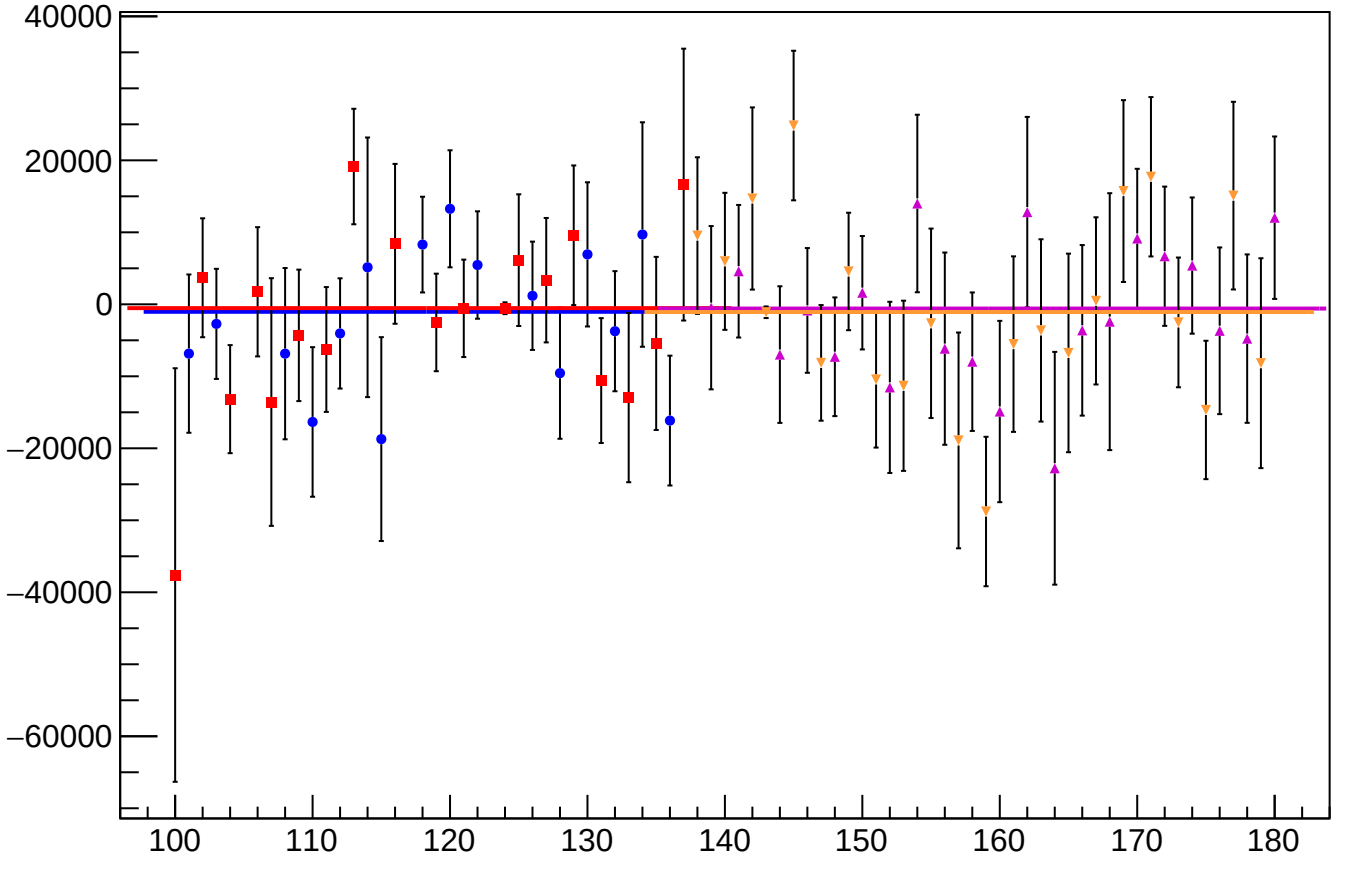
Left In: 2443.681+/-0.418 χ^2/NDF:350021.1/20

+ sign 2308.853+/-0.334 χ^2/NDF: 1496825.8/37

All: 2295.983+/-0.234 χ^2/NDF: 2626784.5/77

- 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: -1071.287+/-764.183 χ^2/NDF:29.6/21

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

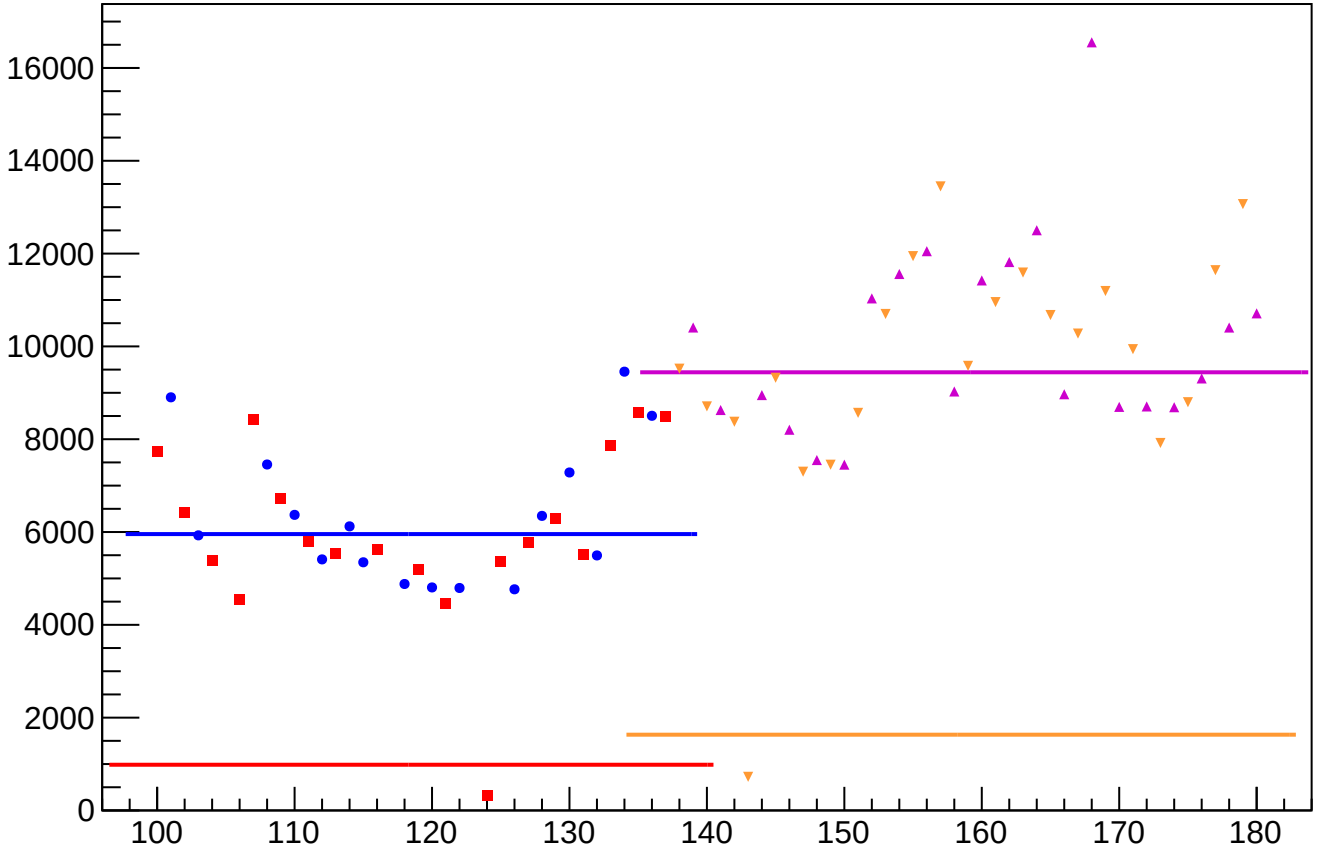
Left In: -588.180+/-2317.495 χ^2/NDF:12.2/20

+ sign -1067.910+/-724.445 χ^2/NDF: 45.0/37

All: -803.785+/-513.851 χ^2/NDF: 75.5/77

- 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: 1632.670+/-0.540 χ^2/NDF:25401910.8/21

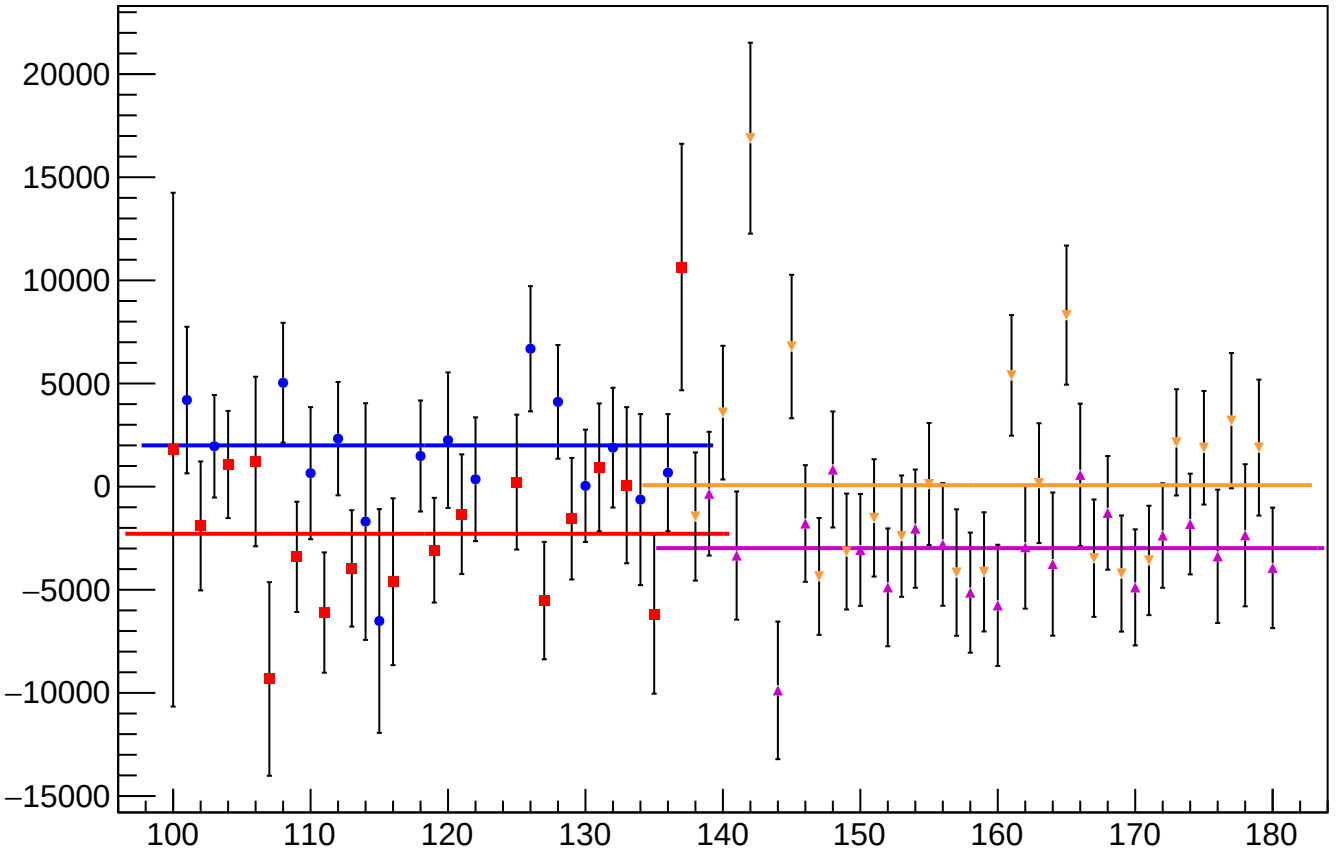
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9442.199+/-1.639 χ^2/NDF:1065989.0/20

+ sign 2070.574+/-0.512 χ^2/NDF: 32574363.2/37

All: 1946.965+/-0.363 χ^2/NDF: 69169429.7/7

- sign 1821.807+/-0.515 χ^2/NDF: 36477883.7/39



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 71.966+/-653.438 χ^2/NDF:44.5/20

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

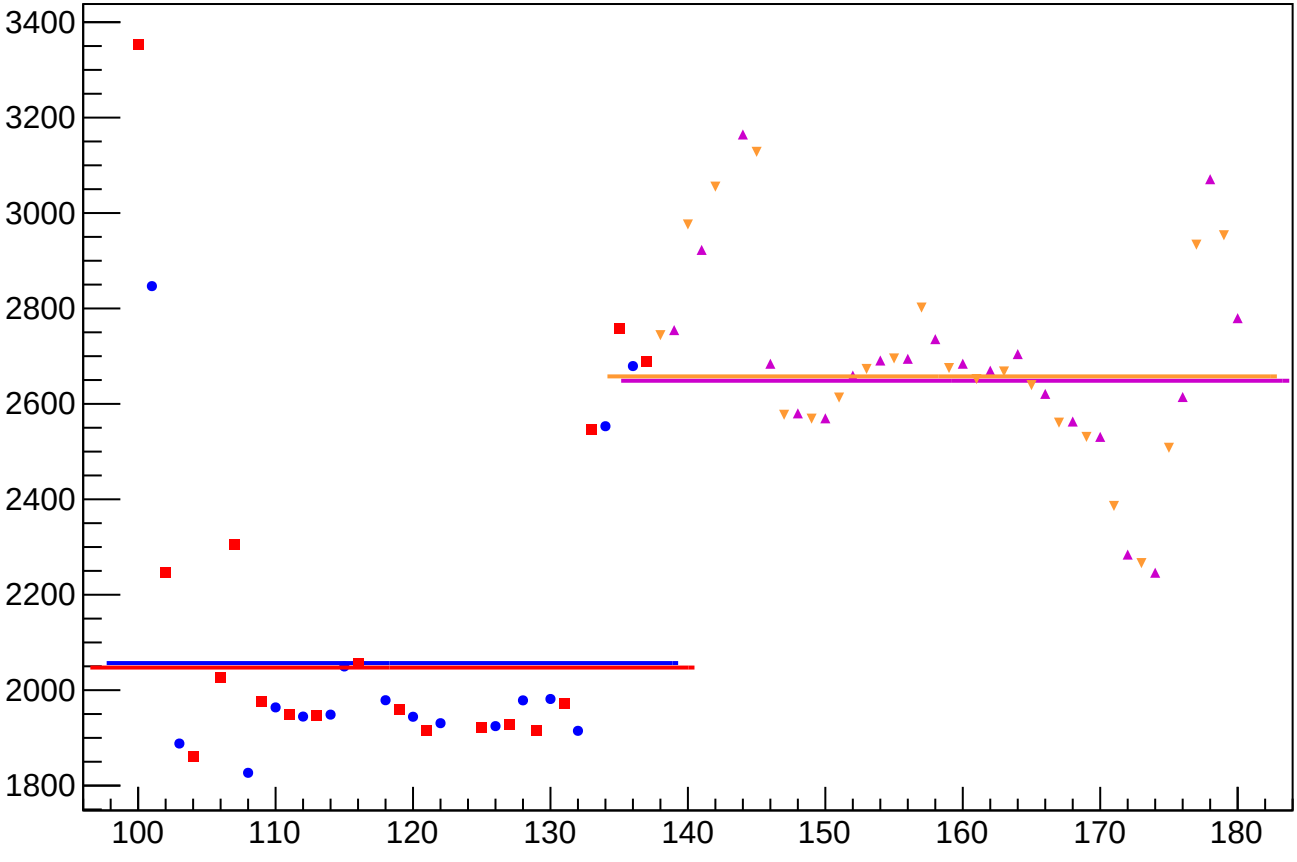
Left In: -2981.770+/-640.002 χ^2/NDF:11.5/20

+ sign 874.526+/-499.173 χ^2/NDF: 57.1/36

All: -935.696+/-350.595 χ^2/NDF: 111.7/75

- sign -2698.018+/-492.525 χ^2/NDF: 28.6/38

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2657.627+/-0.462 χ^2/NDF:191023.2/20

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

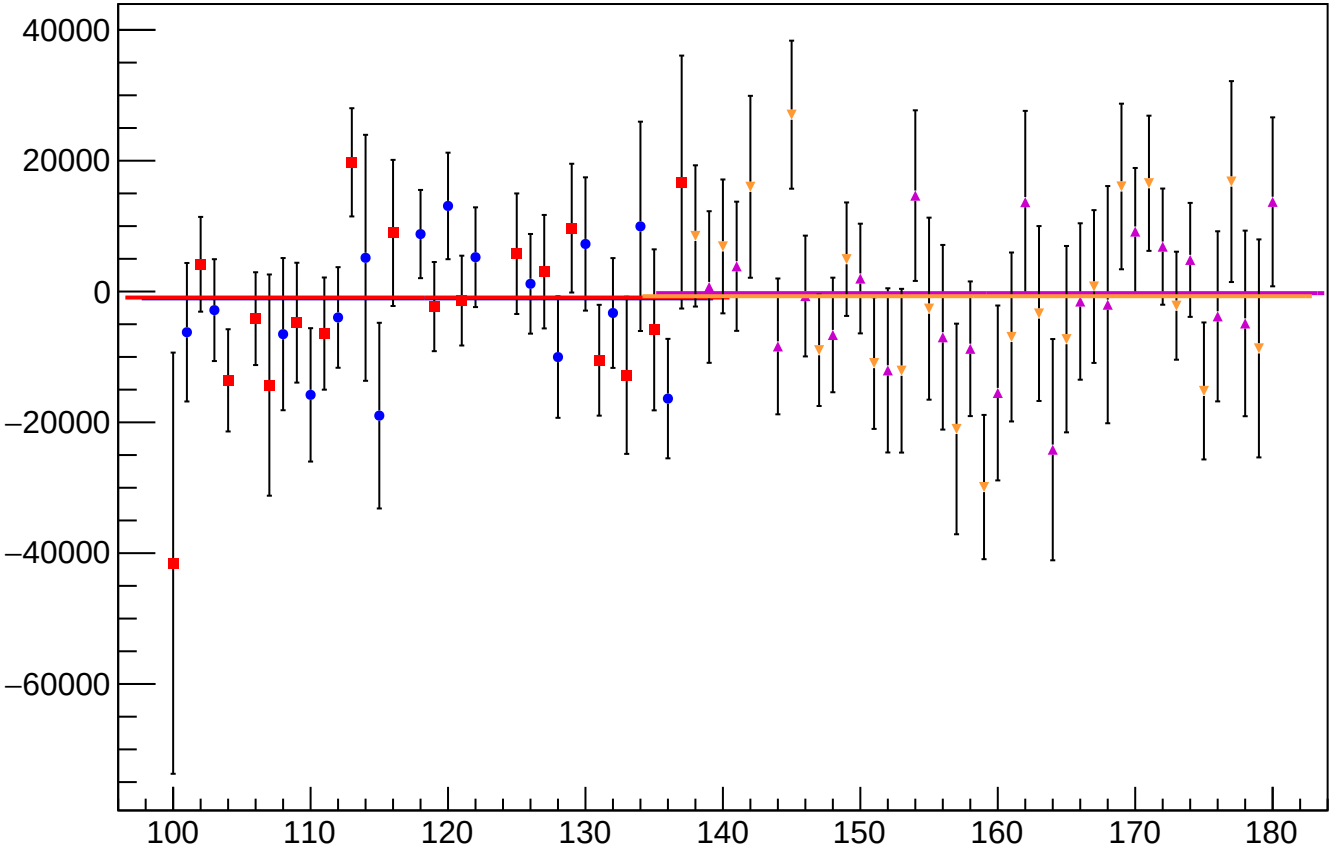
Left In: 2648.492+/-0.453 χ^2/NDF:208336.1/20

+ sign 2407.424+/-0.353 χ^2/NDF: 1165630.7/36

All: 2405.155+/-0.248 χ^2/NDF: 2291241.2/75

- 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: -716.998+/-2479.027 χ^2/NDF:29.1/20

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

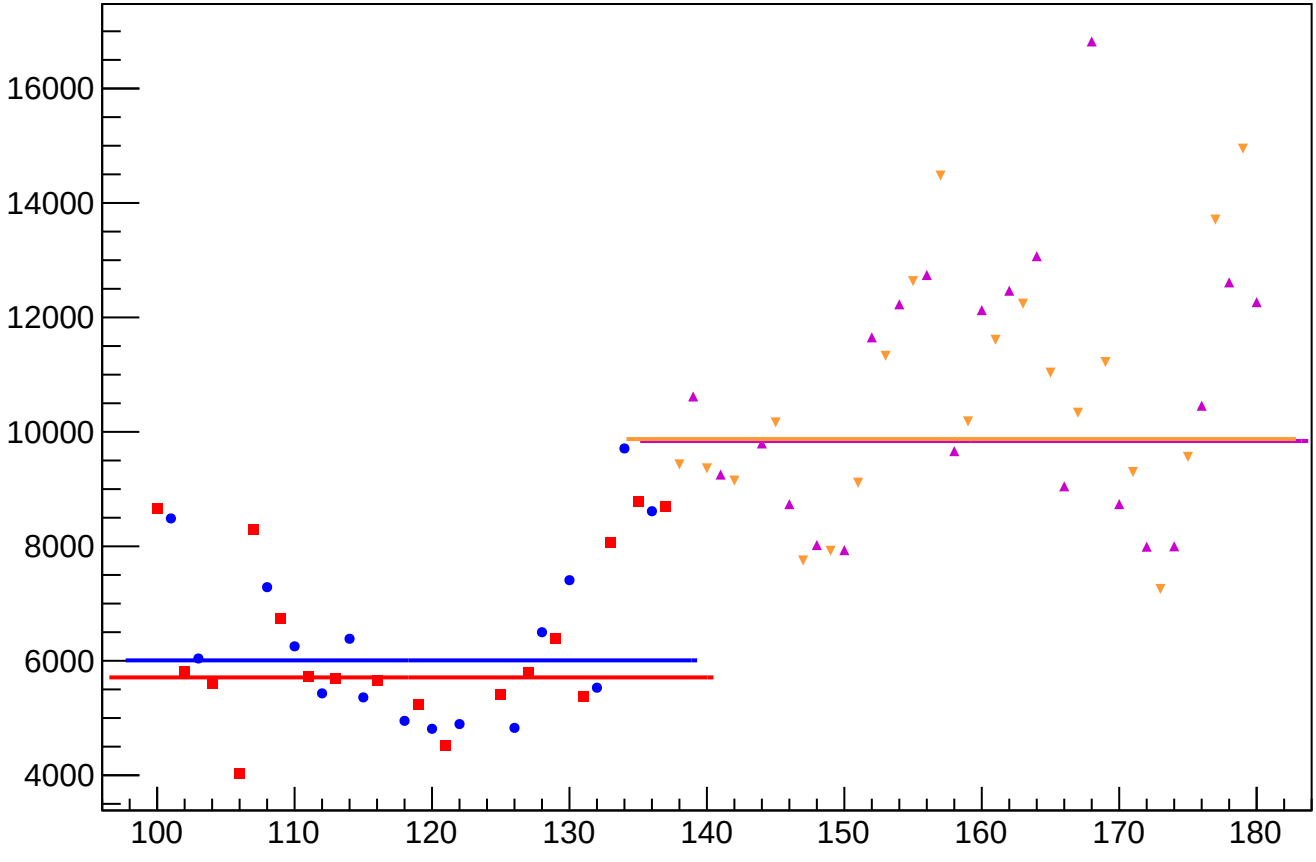
Left In: -246.547+/-2423.909 χ^2/NDF:12.1/20

+ sign -892.313+/-1683.959 χ^2/NDF: 44.4/36

All: -751.583+/-1163.262 χ^2/NDF: 74.9/75

- 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: 9874.461+/-1.753 χ^2/NDF:1179304.6/20

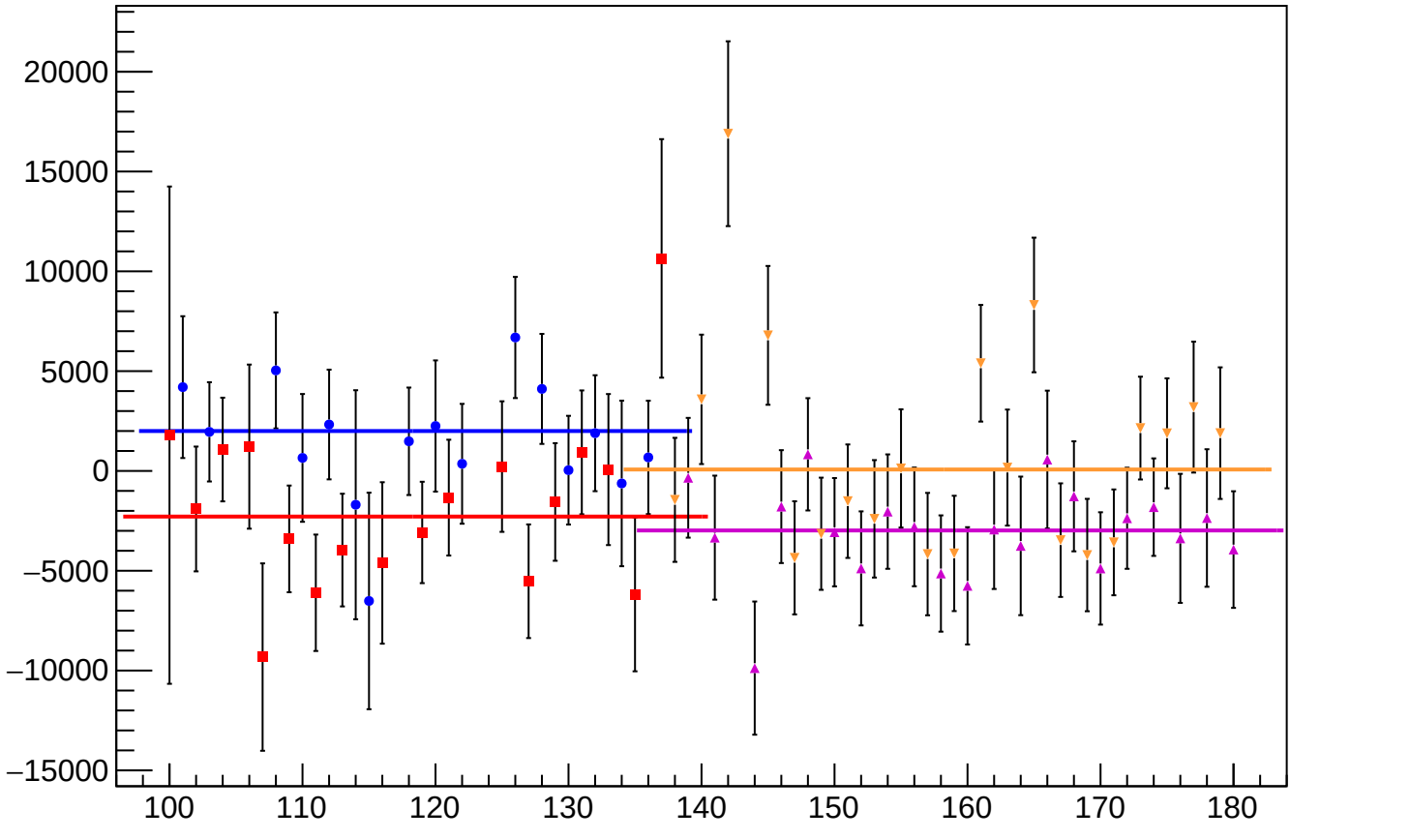
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9840.739+/-1.714 χ^2/NDF:1288394.5/20

+ sign 7791.770+/-1.191 χ^2/NDF: 4454322.8/36

All: 7654.745+/-0.823 χ^2/NDF: 9553702.3/75

- sign 7529.677+/-1.138 χ^2/NDF: 5074050.3/38



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 71.958+/-653.438 χ^2/NDF:44.5/20

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

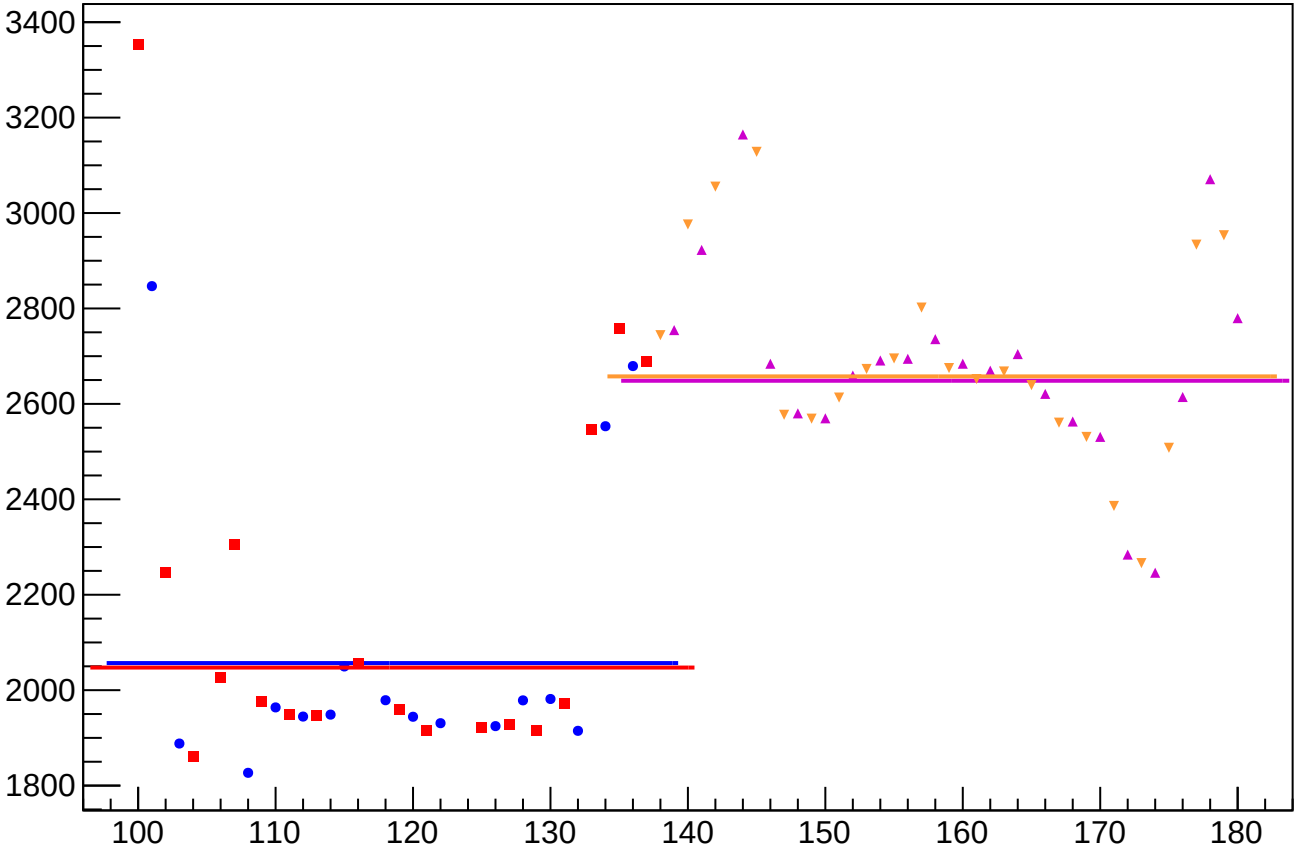
Left In: -2981.769+/-640.003 χ^2/NDF:11.5/20

+ sign 874.524+/-499.174 χ^2/NDF: 57.1/36

All: -935.698+/-350.595 χ^2/NDF: 111.7/75

- sign -2698.018+/-492.525 χ^2/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: 2657.629+/-0.462 χ^2/NDF:191034.0/20

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

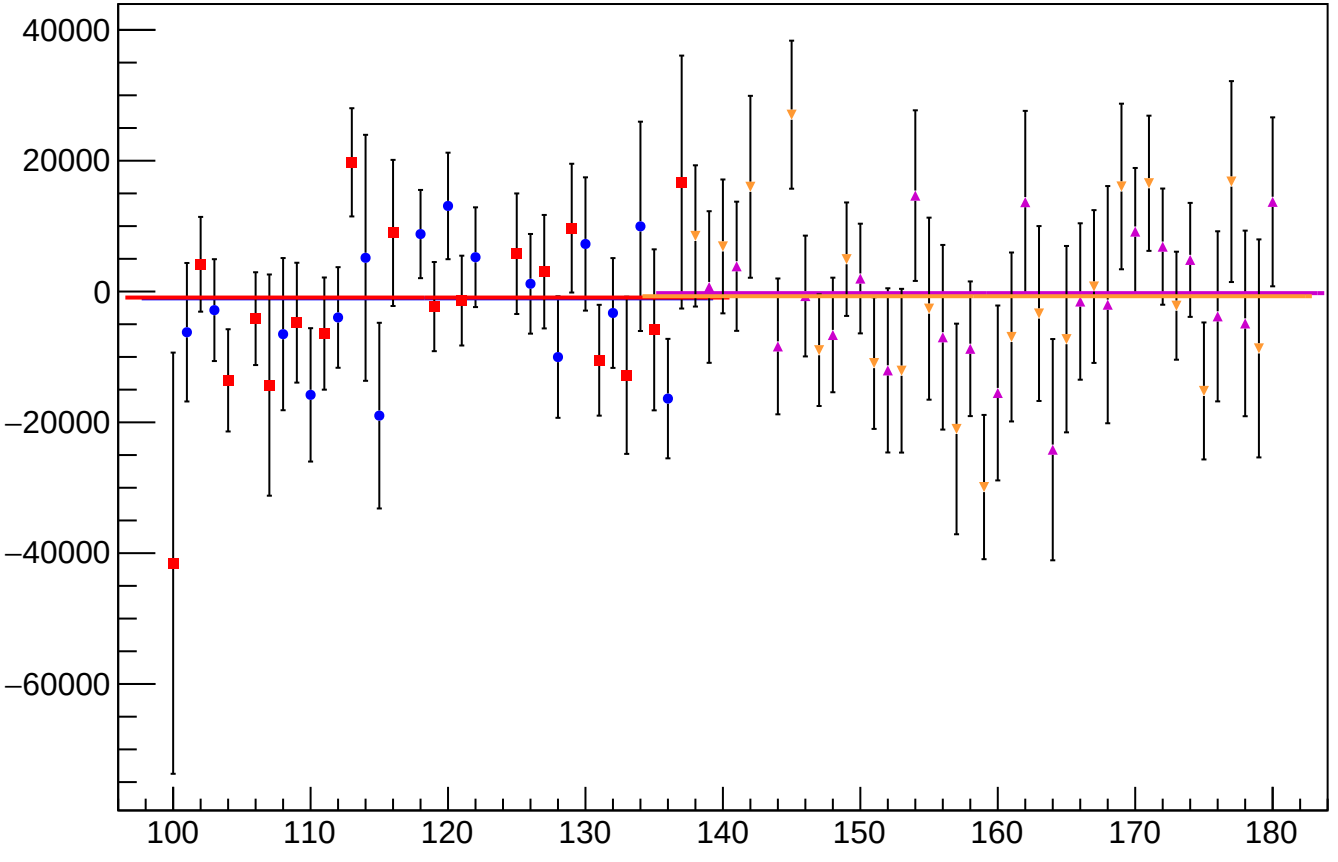
Left In: 2648.494+/-0.453 χ^2/NDF:208345.9/20

+ sign 2407.425+/-0.353 χ^2/NDF: 1165645.0/36

All: 2405.156+/-0.248 χ^2/NDF: 2291270.5/75

- sign 2402.949+/-0.348 χ^2/NDF: 1125543.9/38

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -717.006+/-2479.032 χ^2/NDF:29.1/20

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

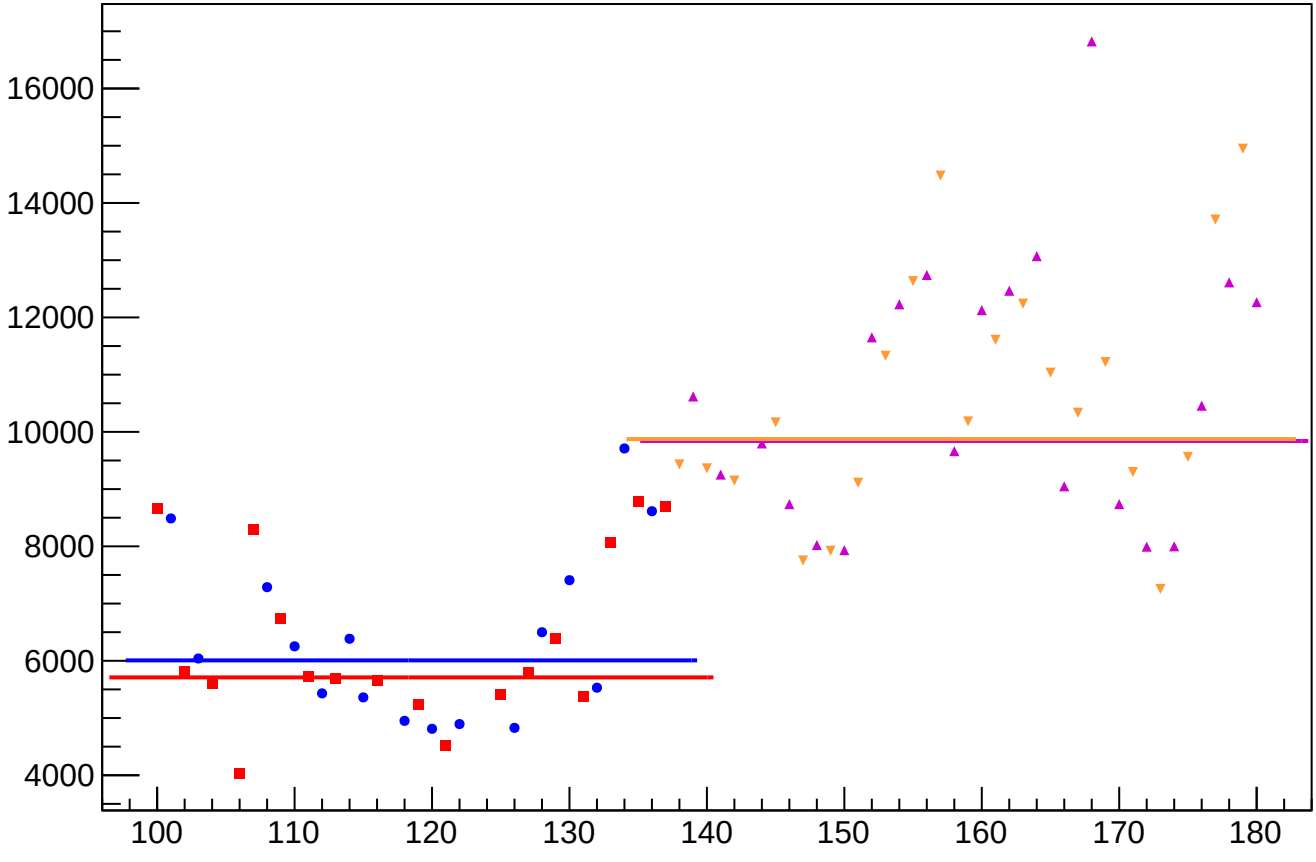
Left In: -246.548+/-2423.913 χ^2/NDF:12.1/20

+ sign -892.312+/-1683.958 χ^2/NDF: 44.4/36

All: -751.584+/-1163.261 χ^2/NDF: 74.9/75

- 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: 9874.479+/-1.753 χ^2/NDF:1179305.0/20

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

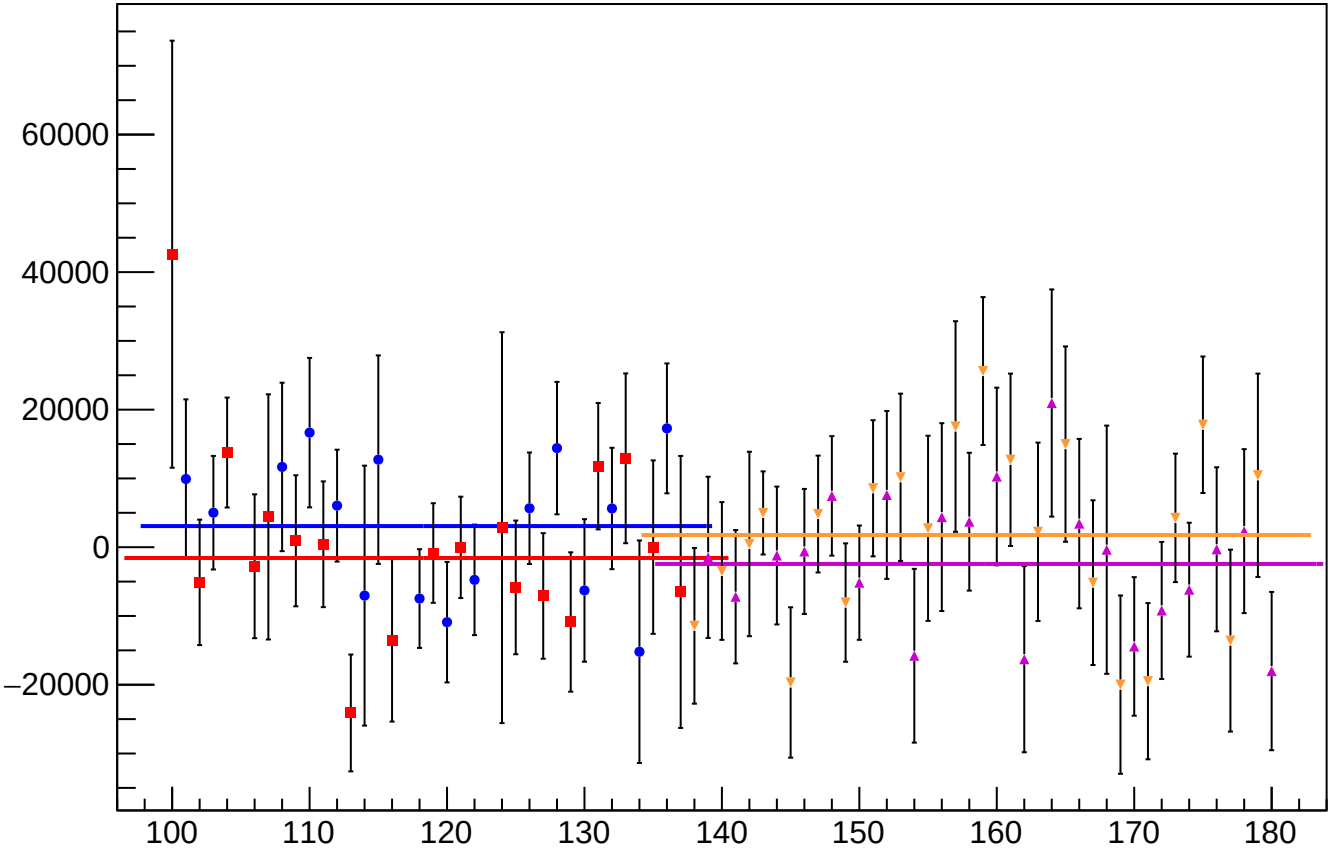
Left In: 9840.755+/-1.714 χ^2/NDF:1288395.8/20

+ sign 7791.758+/-1.191 χ^2/NDF: 4454384.4/36

All: 7654.733+/-0.823 χ^2/NDF: 9553823.3/75

- 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: 1768.837+/-2284.112 χ^2/NDF:26.8/21

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

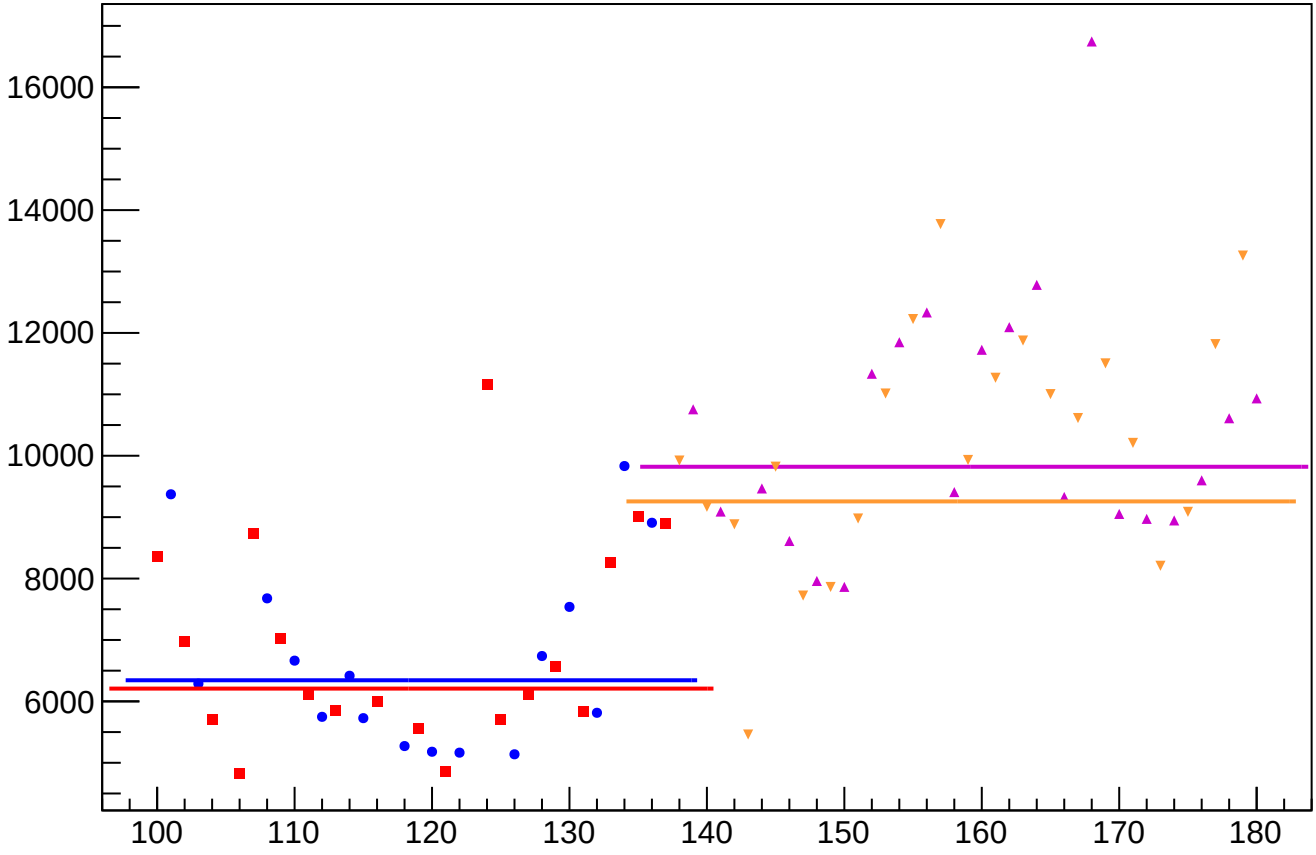
Left In: -2434.424+/-2405.219 χ^2/NDF:12.4/20

+ sign 2381.808+/-1661.307 χ^2/NDF: 41.8/37

All: 215.708+/-1179.776 χ^2/NDF: 76.9/77

- 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: 9256.383+/-1.615 χ^2/NDF:1753649.2/21

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

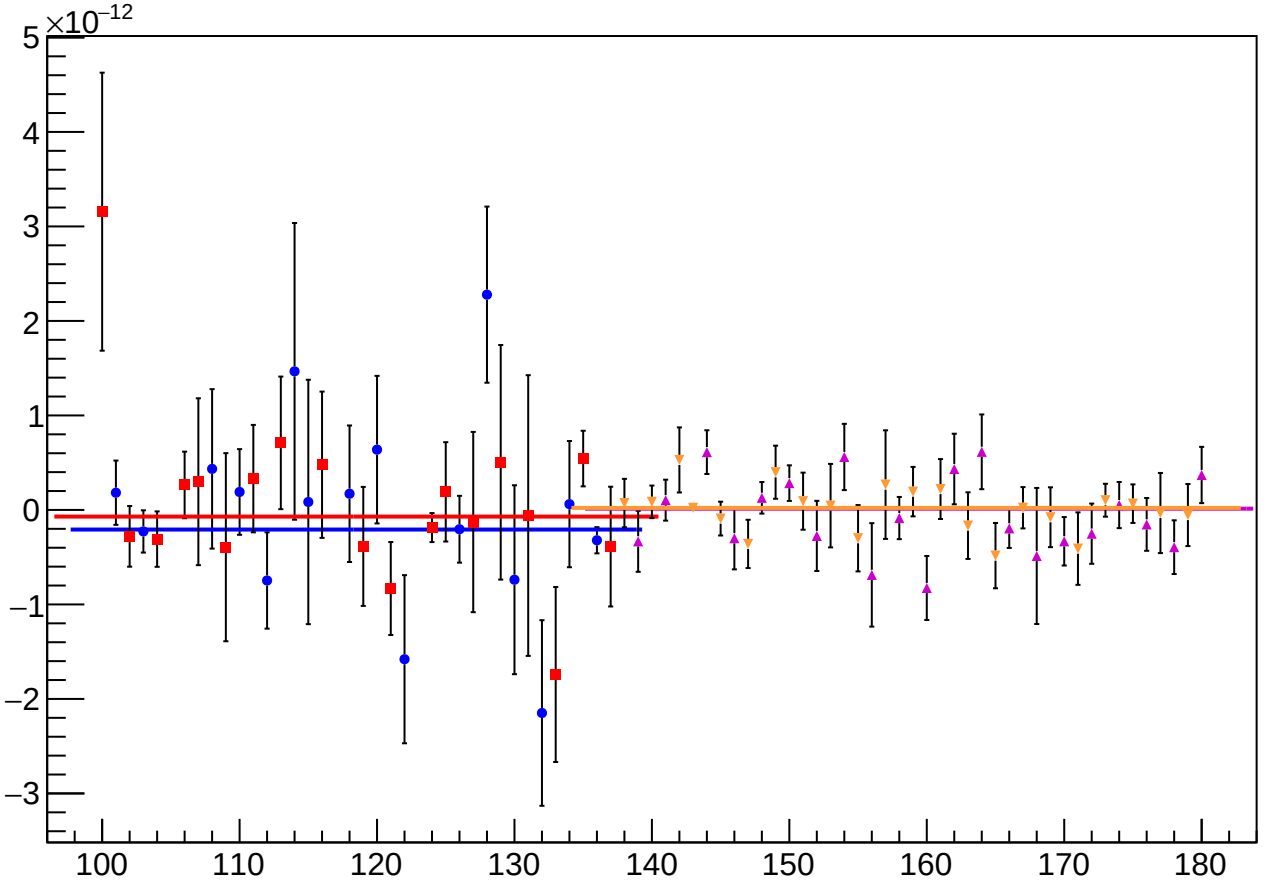
Left In: 9820.589+/-1.701 χ^2/NDF:950086.6/20

+ sign 7884.586+/-1.175 χ^2/NDF: 3906555.7/37

All: 7922.721+/-0.834 χ^2/NDF: 7652398.0/77

- 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:12.8/21

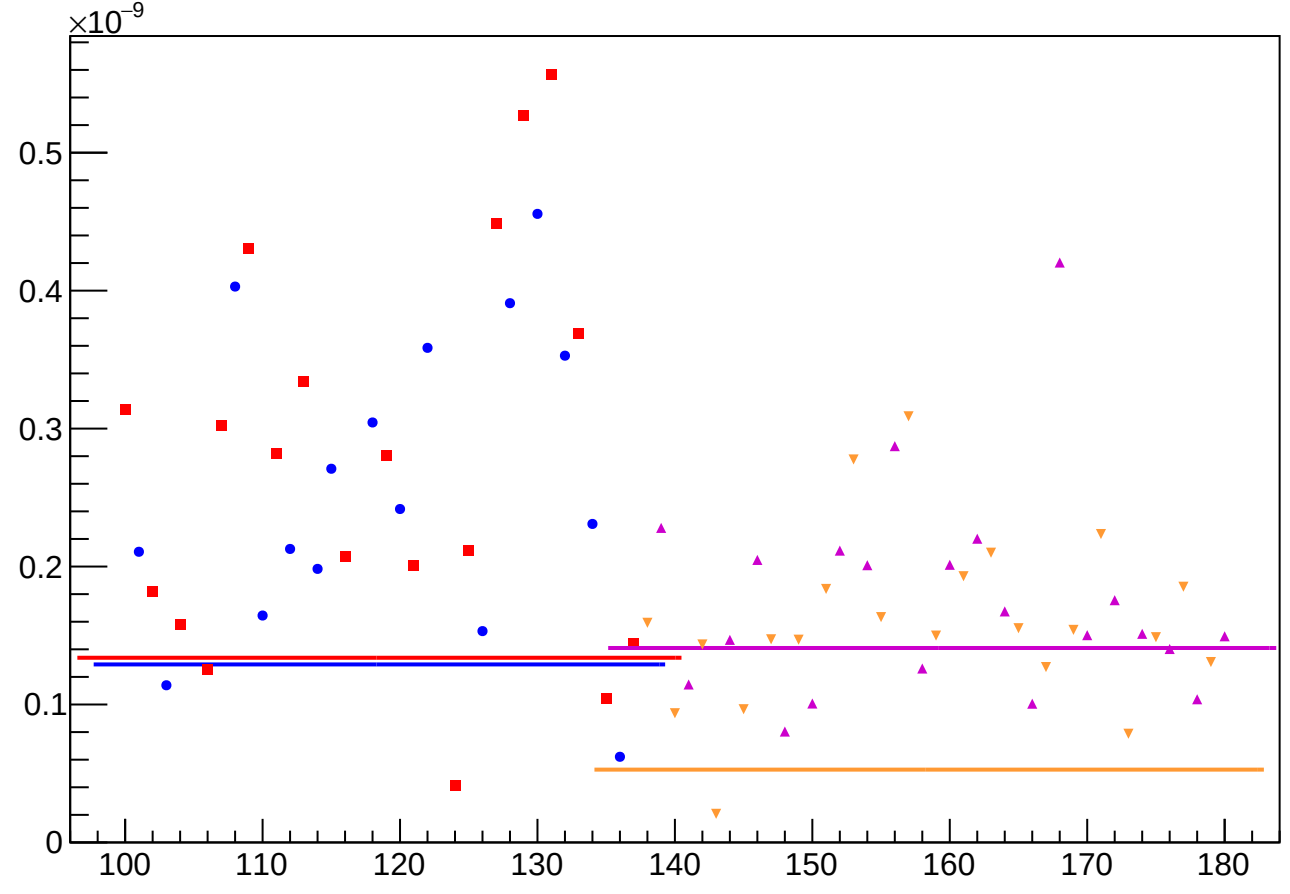
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:33.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/37

All: -0.000+/-0.000 χ^2/NDF: 94.3/77

- 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:7196500.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

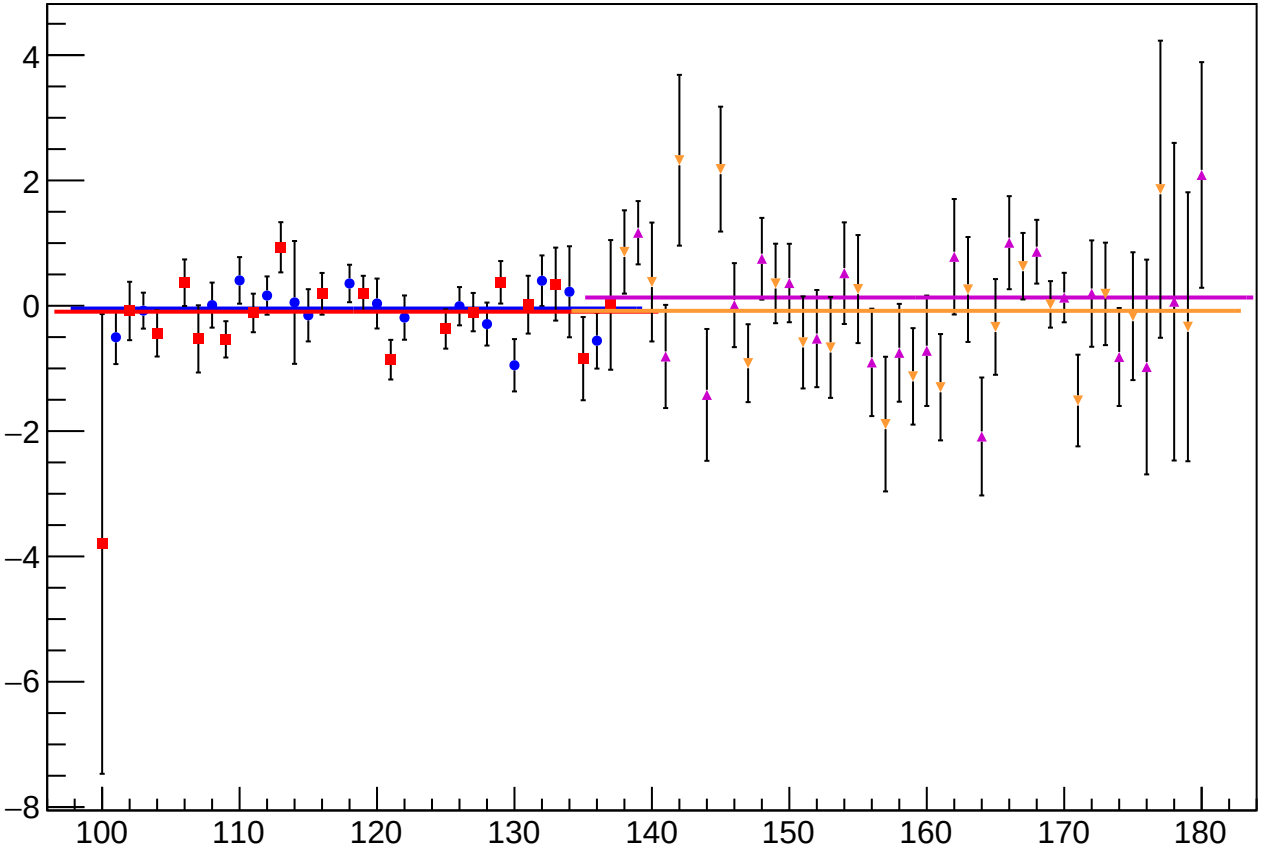
Left In: 0.000+/-0.000 χ^2/NDF:1494462.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 10079779.9/37

All: 0.000+/-0.000 χ^2/NDF: 17621552.6/77

- 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: -0.081+/-0.164 χ^2/NDF:27.5/20

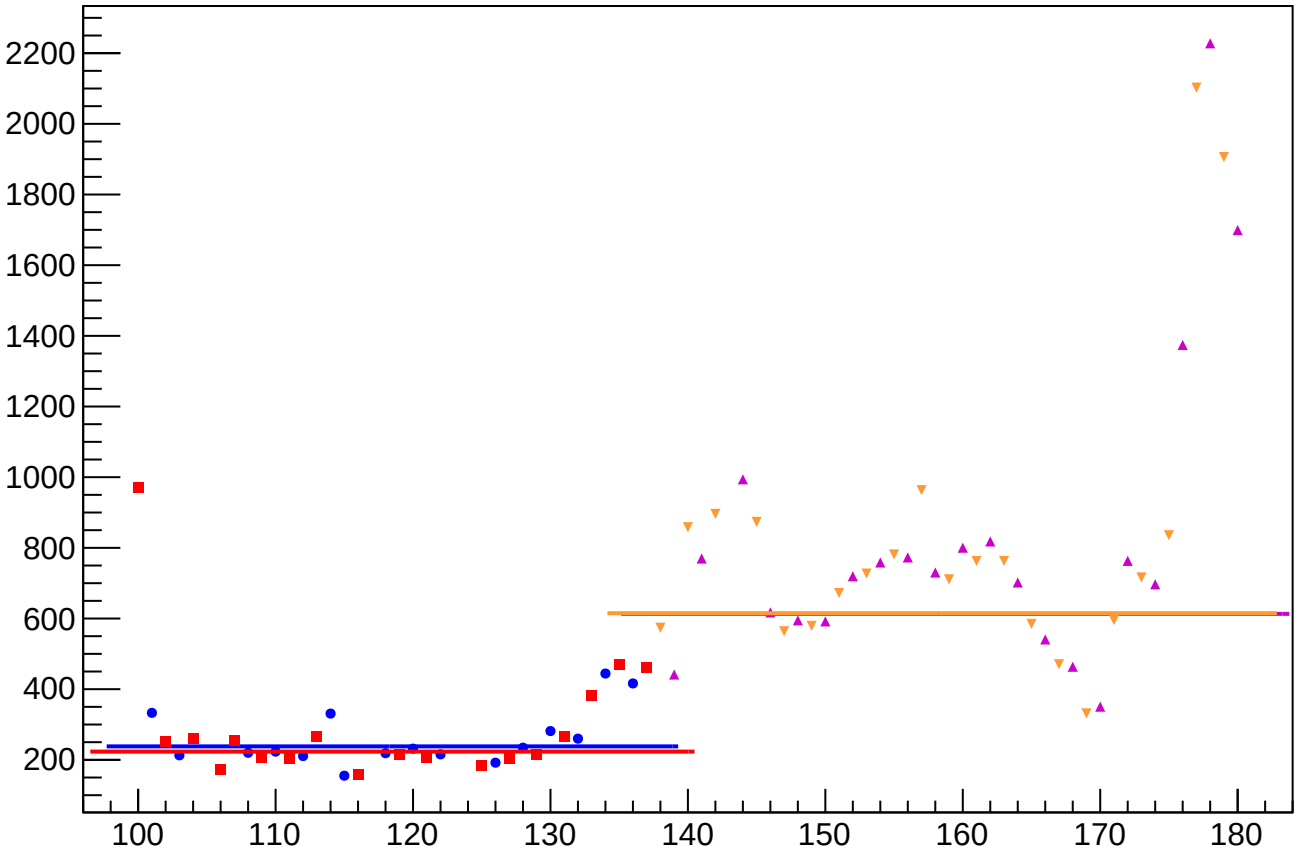
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.132+/-0.160 χ^2/NDF:25.9/20

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/36

All: -0.046+/-0.056 χ^2/NDF: 93.3/75

- 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: 615.007+/-0.116 χ^2/NDF:3824219.8/20

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

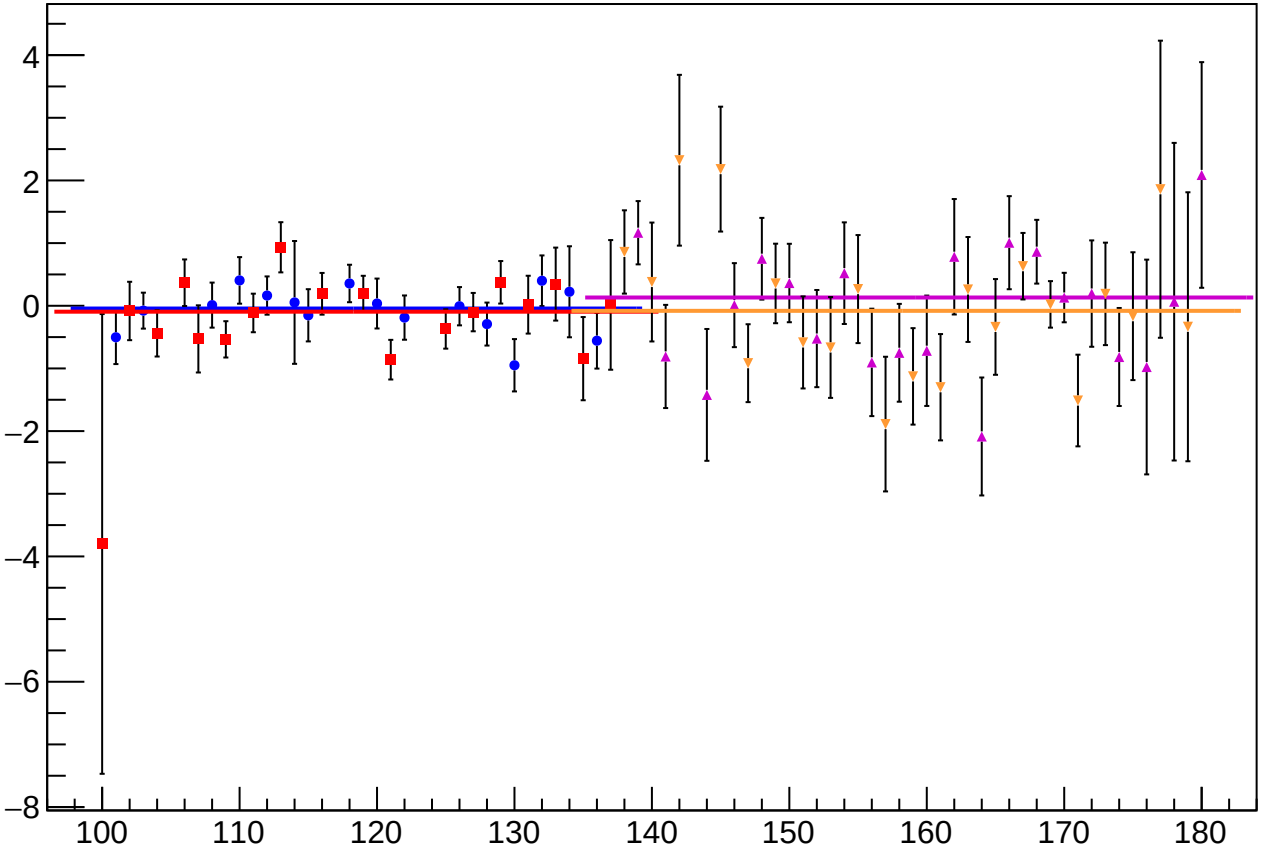
Left In: 613.214+/-0.113 χ^2/NDF:4089837.0/20

+ sign 331.374+/-0.058 χ^2/NDF: 12615962.4/36

All: 324.063+/-0.040 χ^2/NDF: 26628865.6/75

- 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: -0.081+/-0.164 χ^2/NDF:27.5/20

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

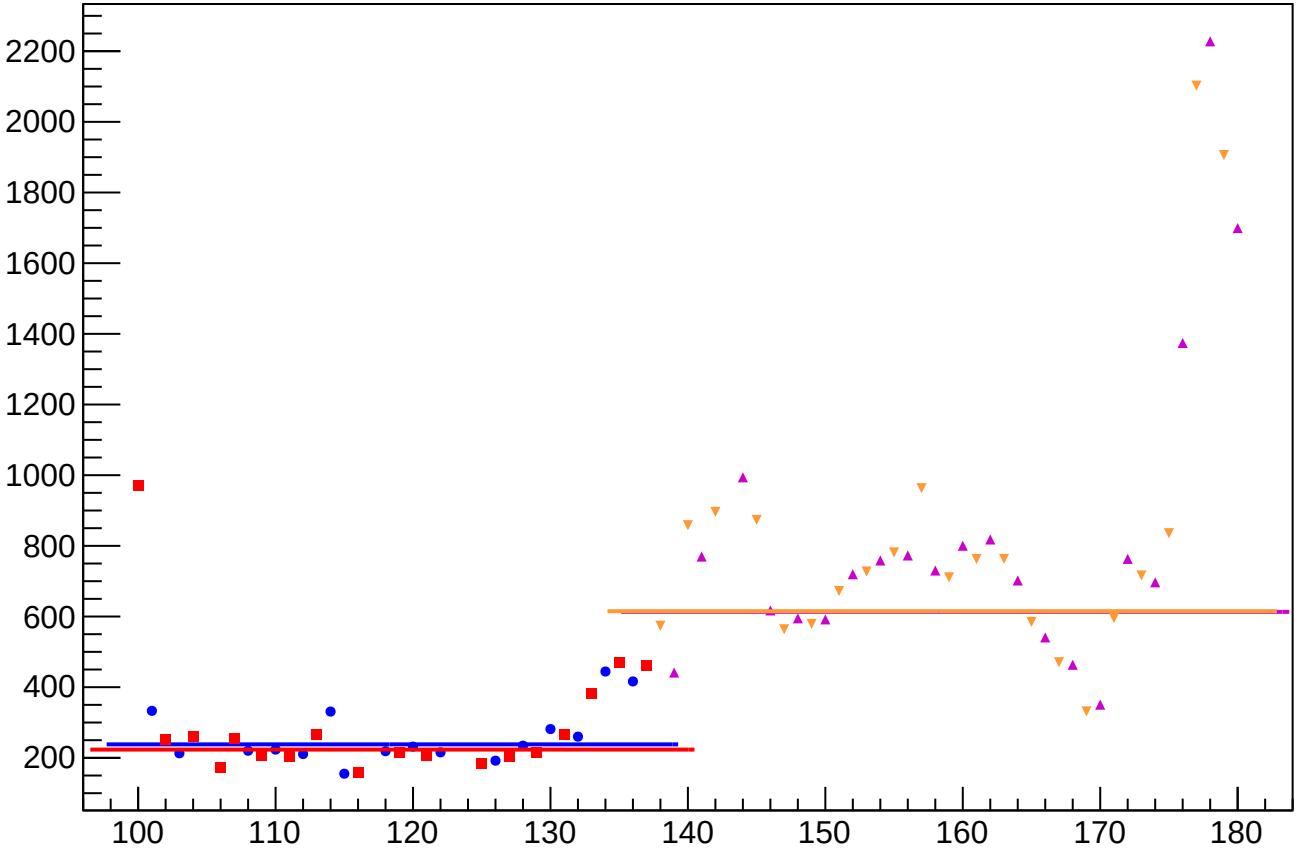
Left In: 0.132+/-0.160 χ^2/NDF:25.9/20

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/36

All: -0.046+/-0.056 χ^2/NDF: 93.3/75

- 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: 615.007+/-0.116 χ^2/NDF:3824219.8/20

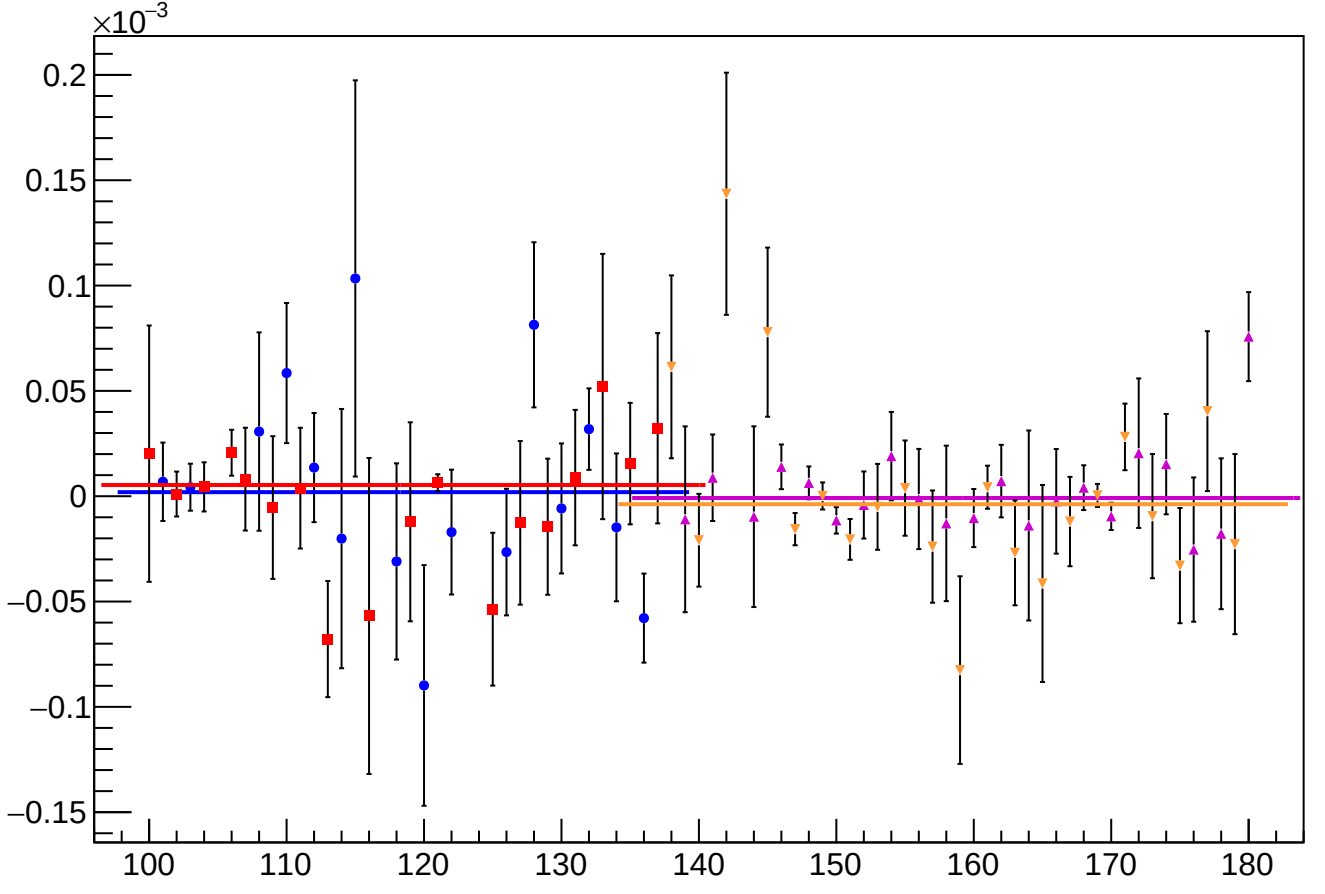
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 613.214+/-0.113 χ^2/NDF:4089837.0/20

+ sign 331.374+/-0.058 χ^2/NDF: 12615962.4/36

All: 324.063+/-0.040 χ^2/NDF: 26628865.6/75

- 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:32.8/20

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

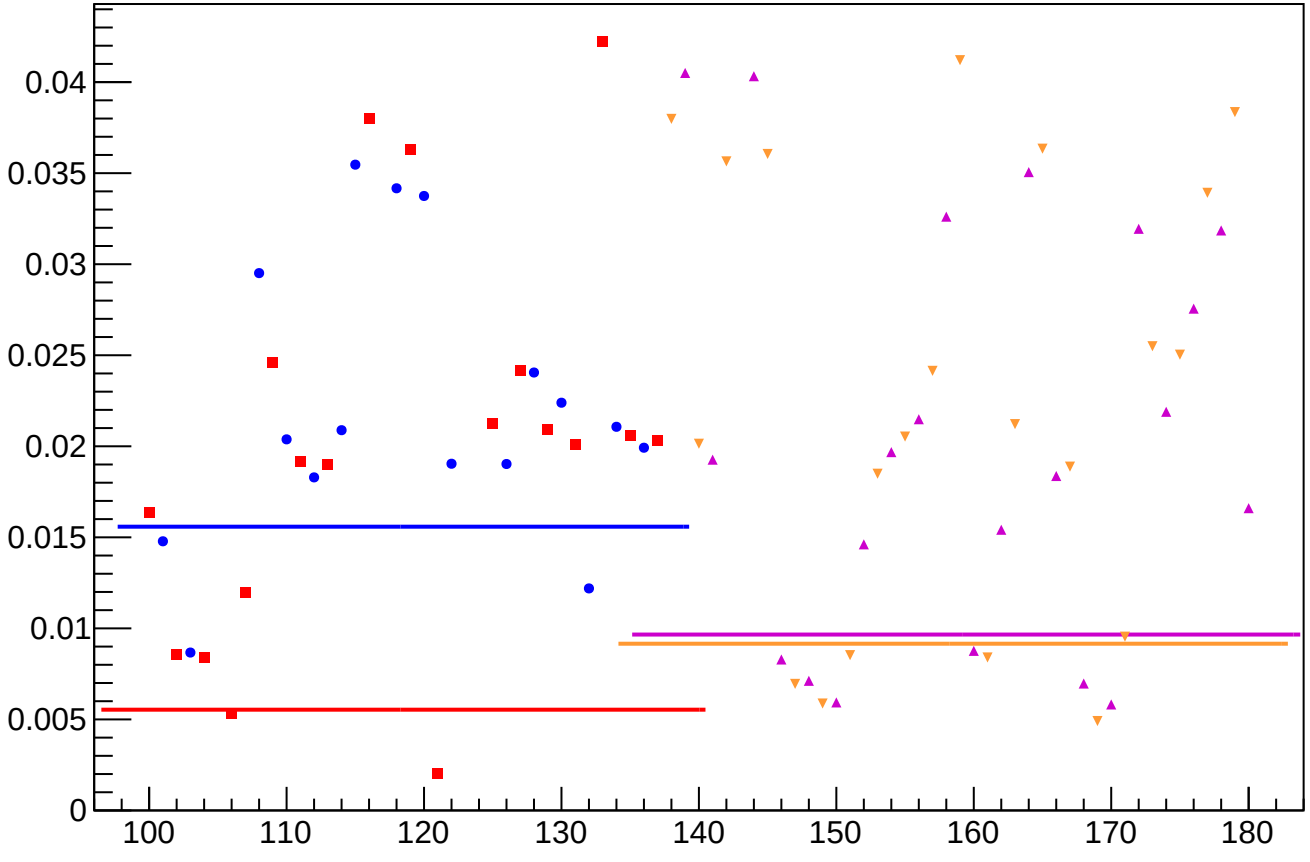
Left In: -0.000+/-0.000 χ^2/NDF:24.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/36

All: 0.000+/-0.000 χ^2/NDF: 100.5/75

- 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:11846543.5/20

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

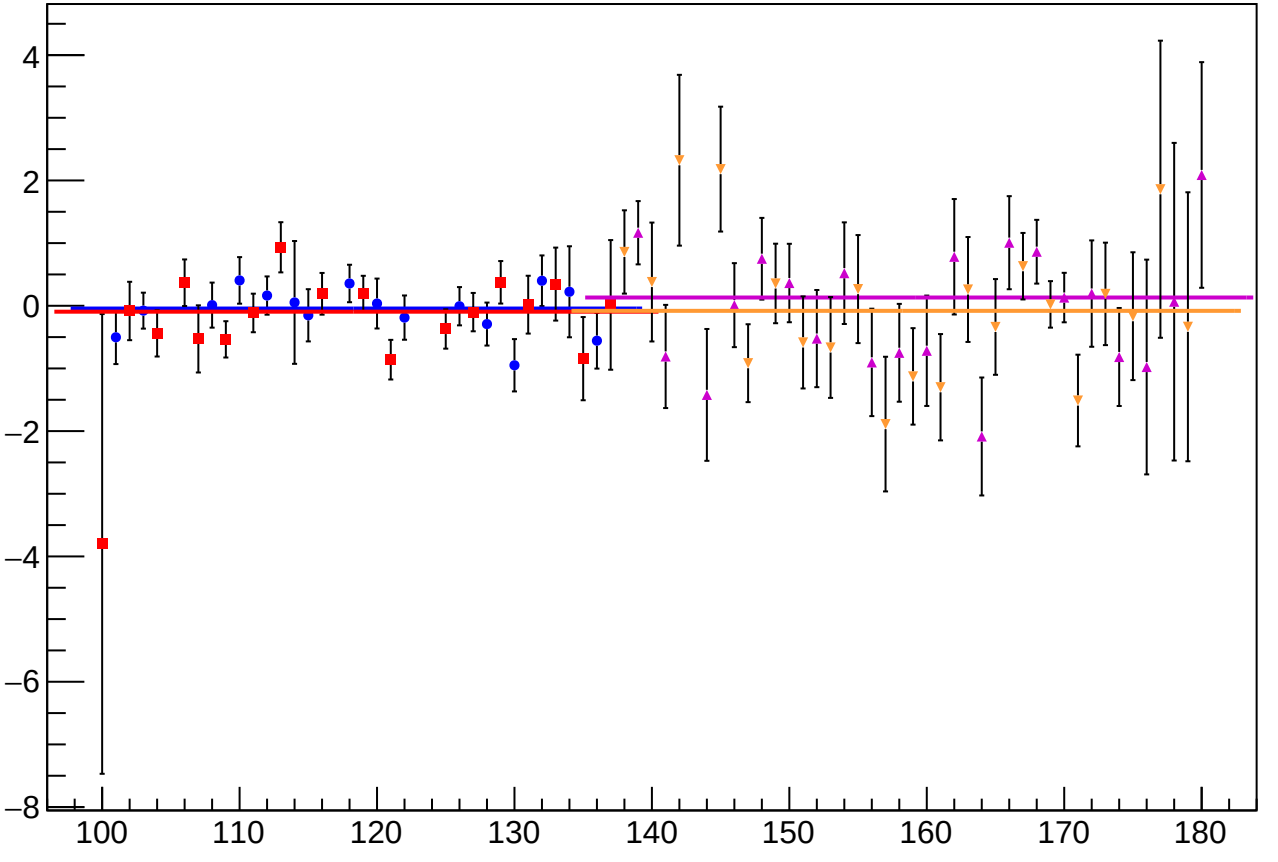
Left In: 0.010+/-0.000 χ^2/NDF:10095890.3/20

+ sign 0.010+/-0.000 χ^2/NDF: 15599780.9/36

All: 0.009+/-0.000 χ^2/NDF: 36517128.5/75

- 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: -0.081+/-0.164 χ^2/NDF:27.5/20

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

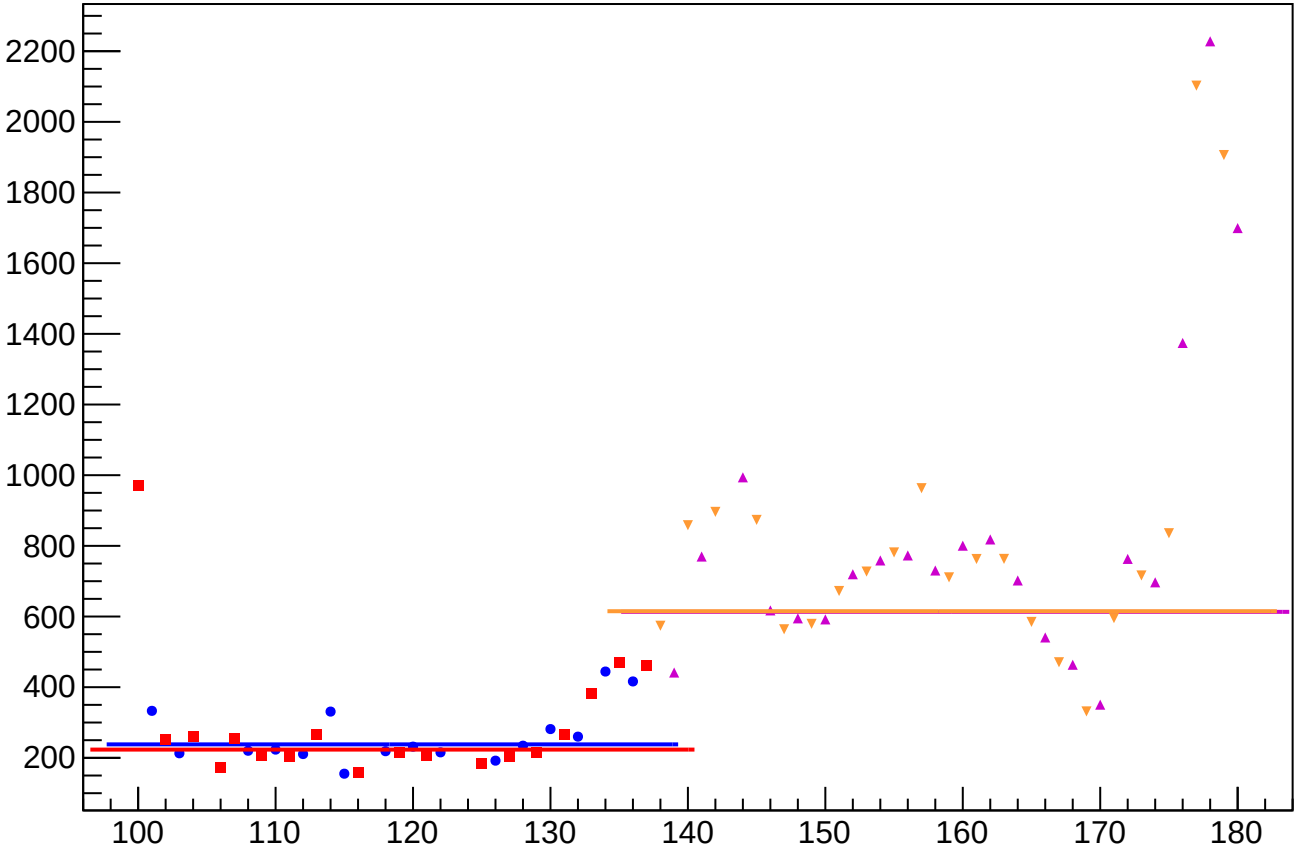
Left In: 0.132+/-0.160 χ^2/NDF:25.9/20

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/36

All: -0.046+/-0.056 χ^2/NDF: 93.3/75

- 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: 615.010+/-0.116 χ^2/NDF:3824283.4/20

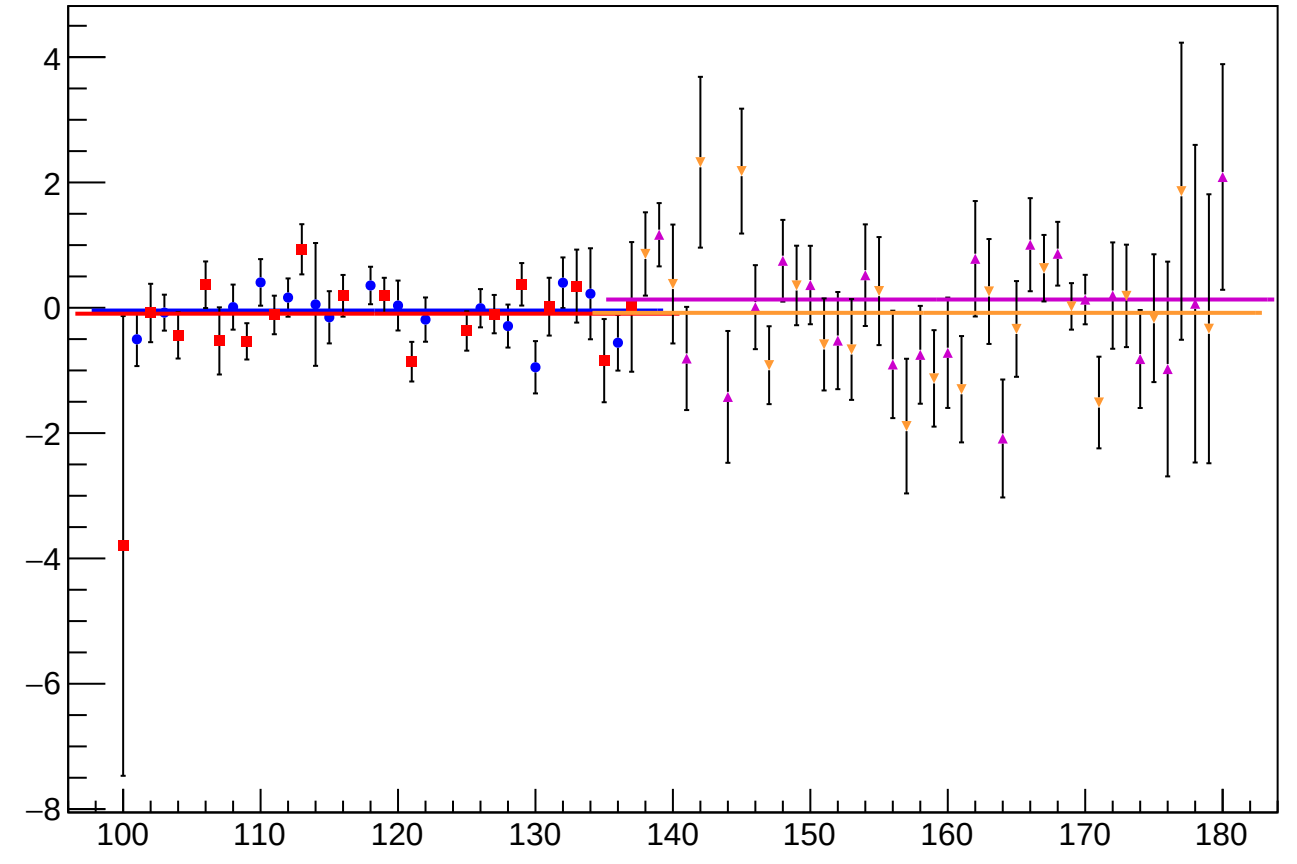
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 613.220+/-0.113 χ^2/NDF:4089821.5/20

+ sign 331.374+/-0.058 χ^2/NDF: 12616023.6/36

All: 324.064+/-0.040 χ^2/NDF: 26628909.2/75

- 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: -0.081+/-0.164 χ^2/NDF:27.5/20

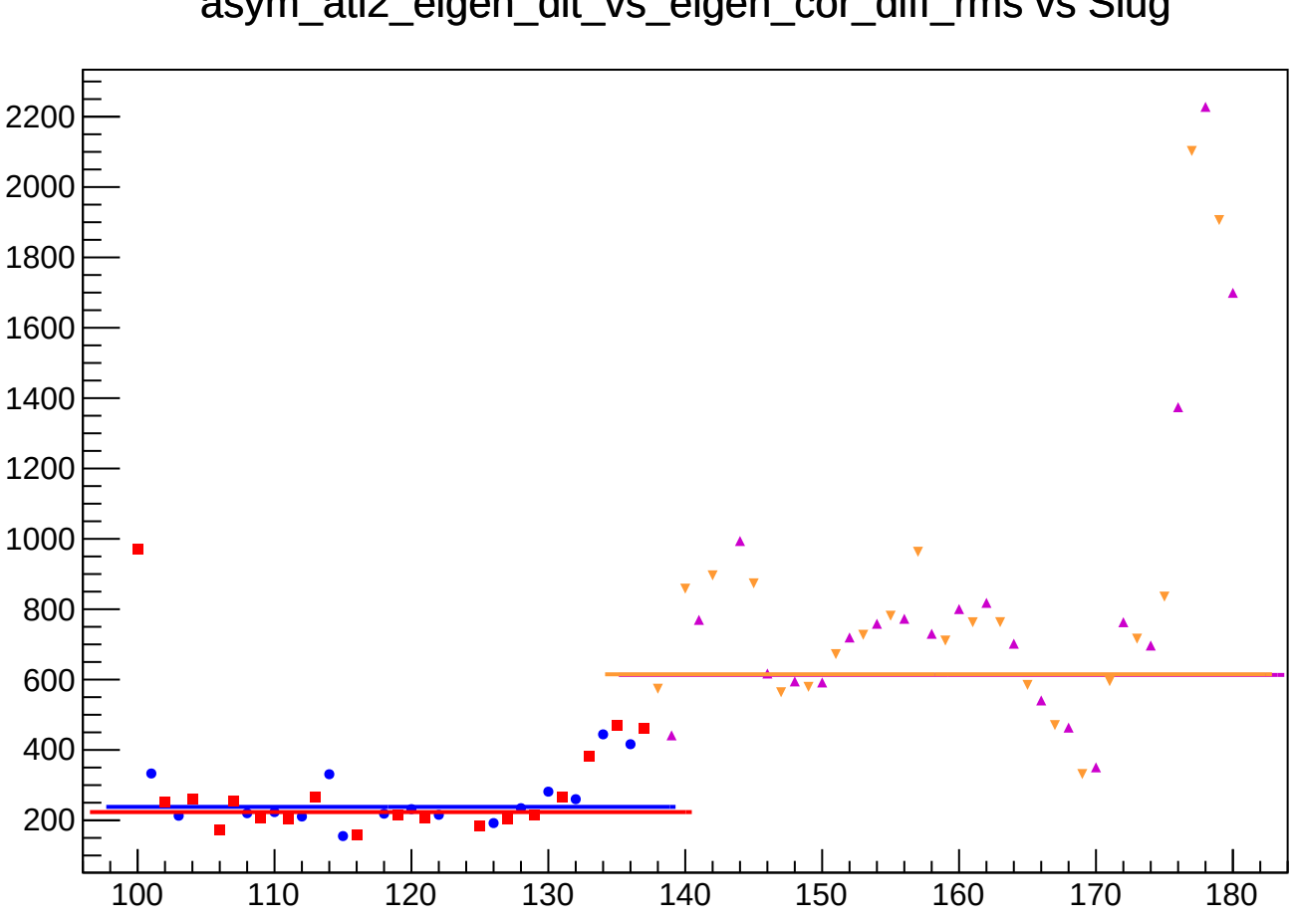
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.132+/-0.160 χ^2/NDF:25.9/20

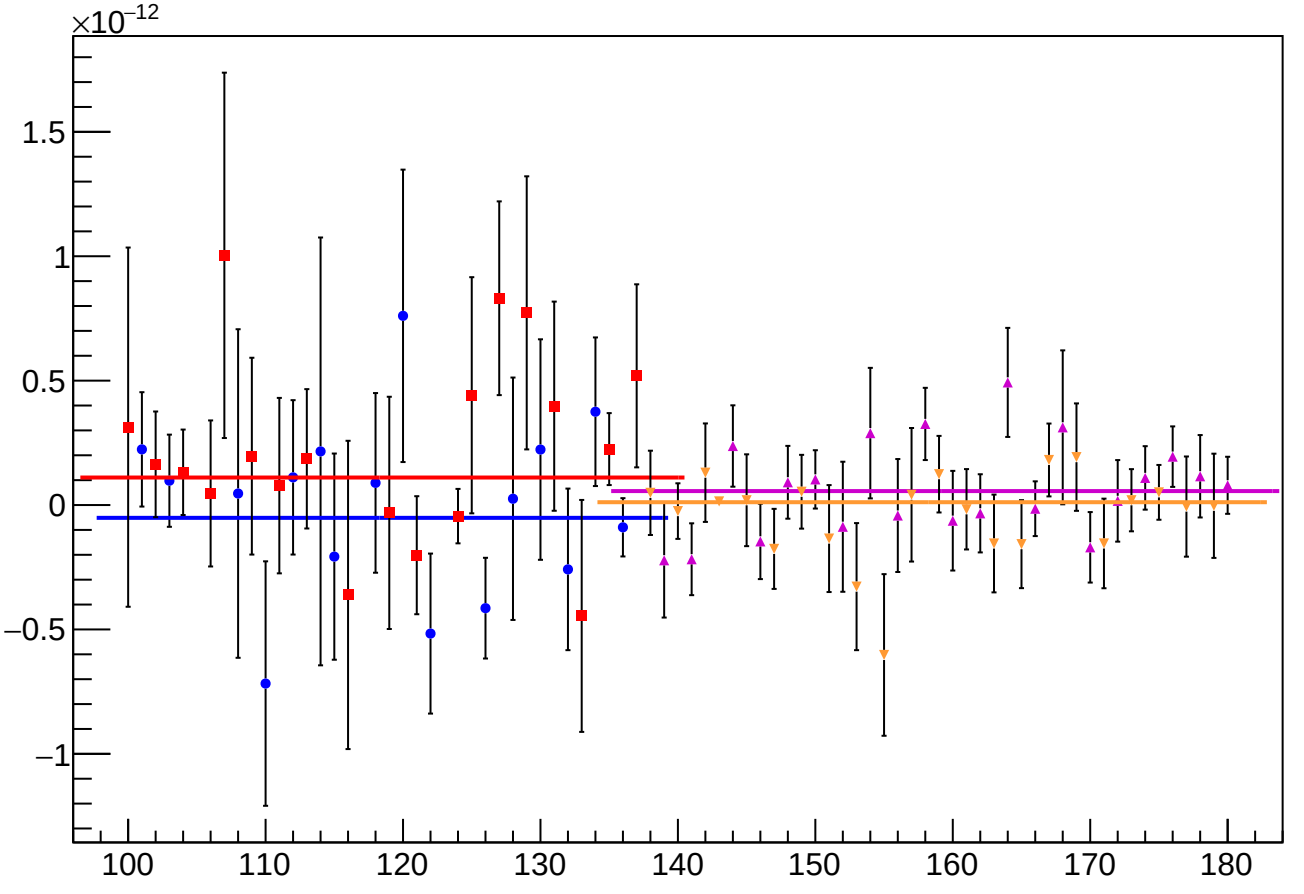
+ sign -0.053+/-0.081 χ^2/NDF: 40.6/36

All: -0.046+/-0.056 χ^2/NDF: 93.3/75

- sign -0.040+/-0.078 χ^2/NDF: 52.7/38


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 615.010+/-0.116 χ²/NDF:3824283.4/20
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 613.220+/-0.113 χ²/NDF:4089821.5/20
+ sign 331.374+/-0.058 χ²/NDF: 12616023.6/36
All: 324.064+/-0.040 χ²/NDF: 26628909.2/75
- sign 317.271+/-0.055 χ²/NDF: 13981749.7/38

asym_atl2_eigen_cor_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:13.0/21

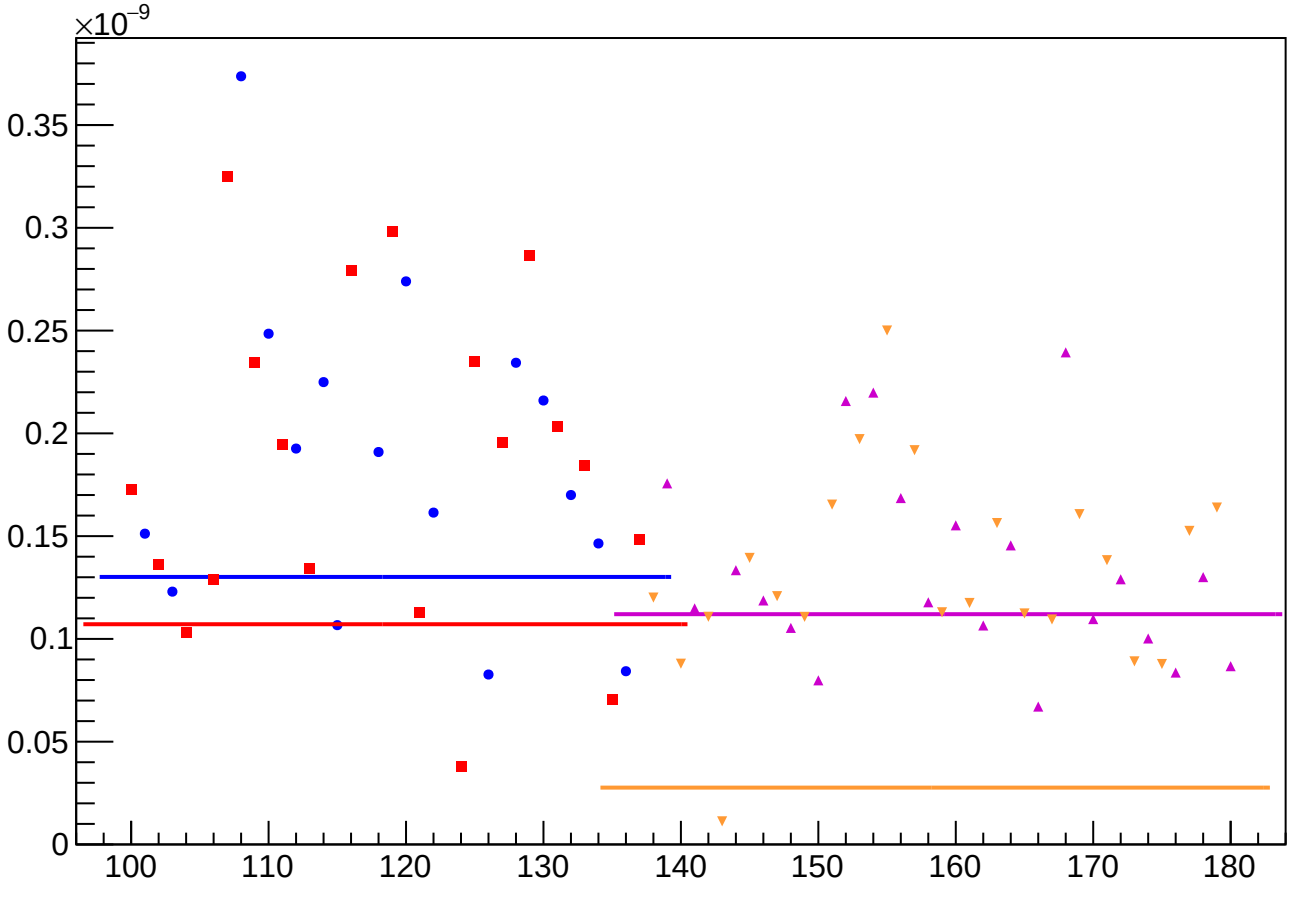
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/37

All: 0.000+/-0.000 χ^2/NDF: 71.2/77

- sign 0.000+/-0.000 χ^2/NDF: 39.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:16602358.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

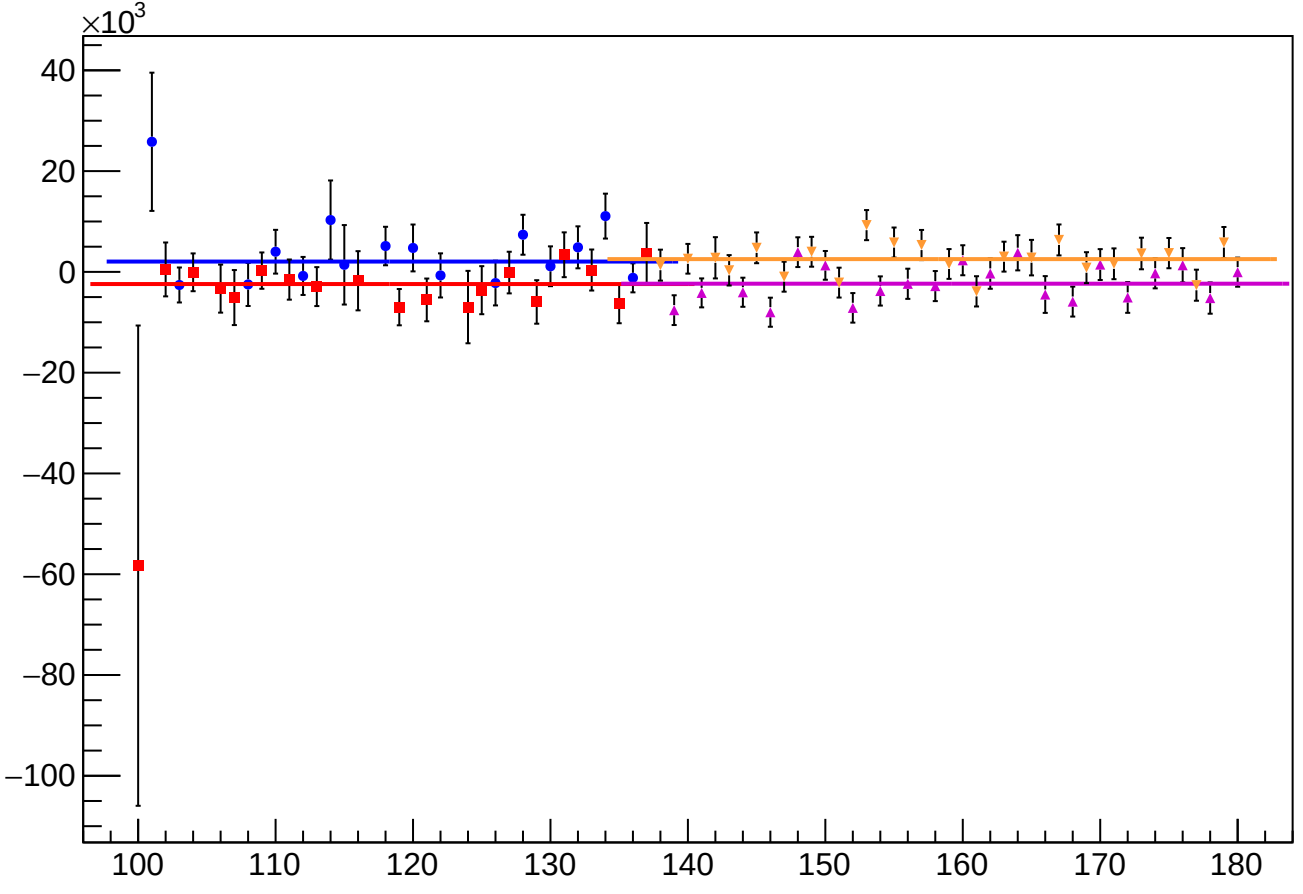
Left In: 0.000+/-0.000 χ^2/NDF:2211048.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 22354326.2/37

All: 0.000+/-0.000 χ^2/NDF: 38988201.8/77

- sign 0.000+/-0.000 χ^2/NDF: 4877538.5/39

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.688+/-654.216 χ^2/NDF:23.4/21

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

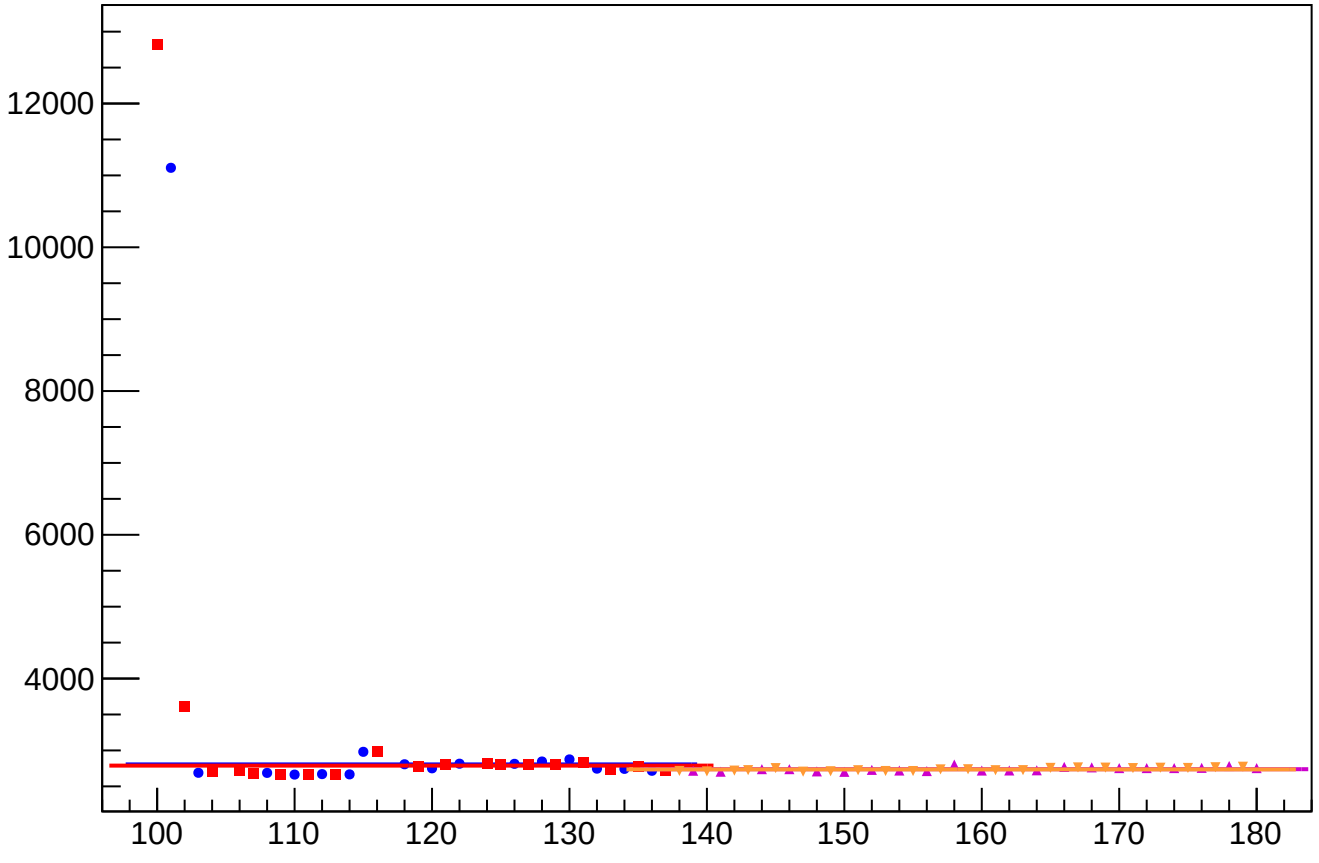
Left In: -2344.303+/-659.378 χ^2/NDF:30.0/20

+ sign 2403.461+/-558.211 χ^2/NDF: 41.3/37

All: 11.165+/-393.996 χ^2/NDF: 118.7/77

- 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: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

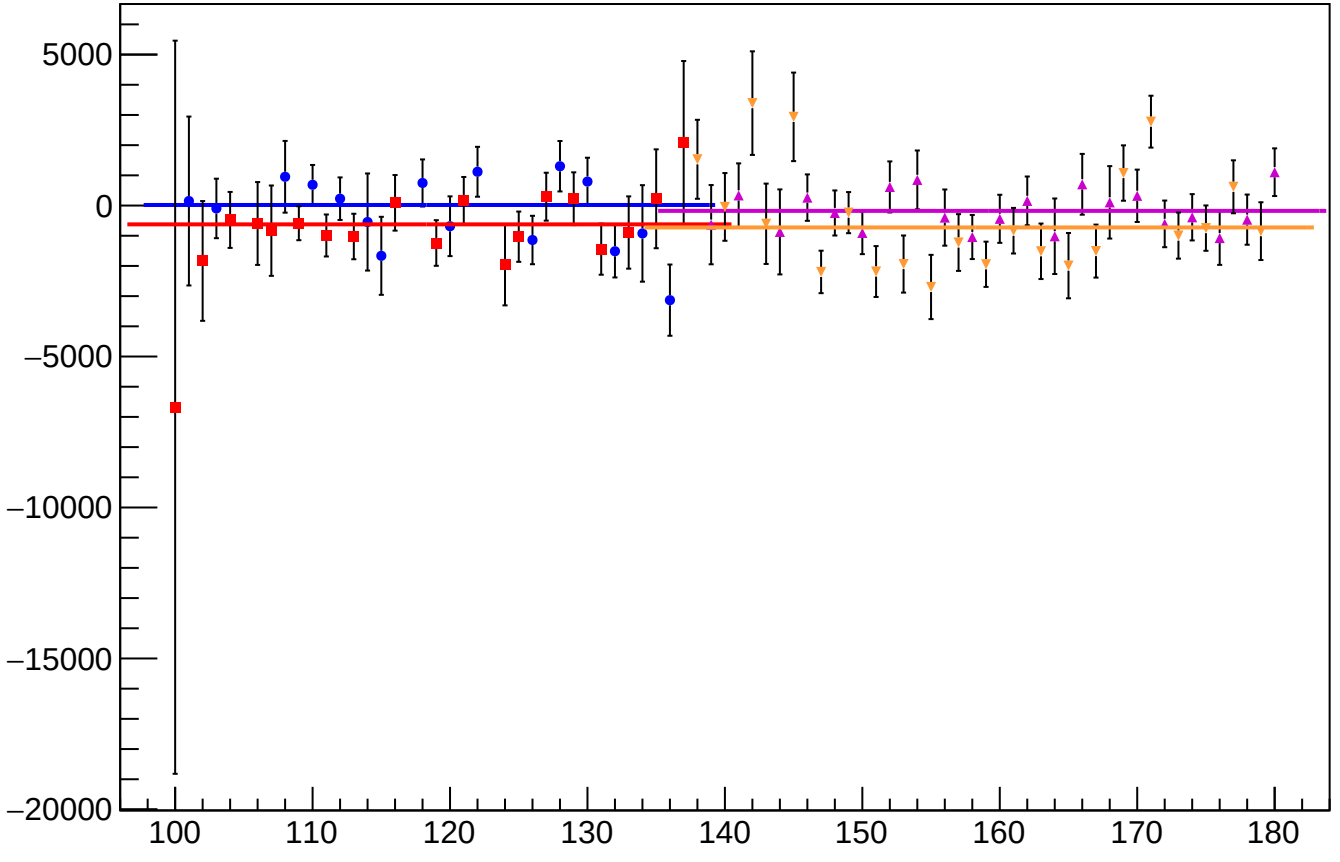
Left In: 2738.925+/-0.466 χ^2/NDF:3293.1/20

+ sign 2754.897+/-0.395 χ^2/NDF: 754570.3/37

All: 2754.106+/-0.279 χ^2/NDF: 908173.7/77

- 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: -725.273+/-193.273 χ^2/NDF:57.2/21

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

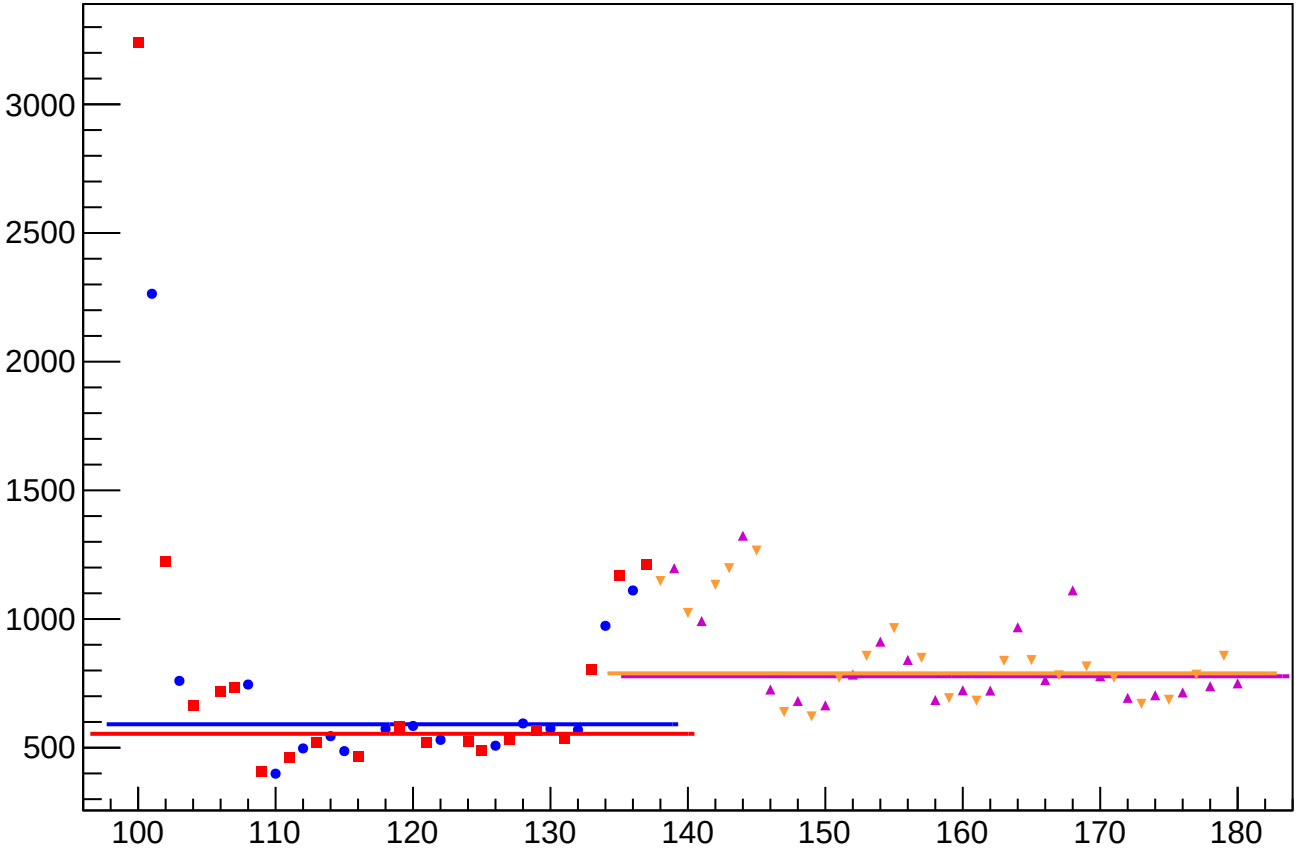
Left In: -176.546+/-190.957 χ^2/NDF:11.5/20

\+ sign -422.655+/-148.882 χ^2/NDF: 86.0/37

All: -396.578+/-103.152 χ^2/NDF: 109.2/77

\- 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: 788.913+/-0.137 χ^2/NDF:1185992.0/21

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

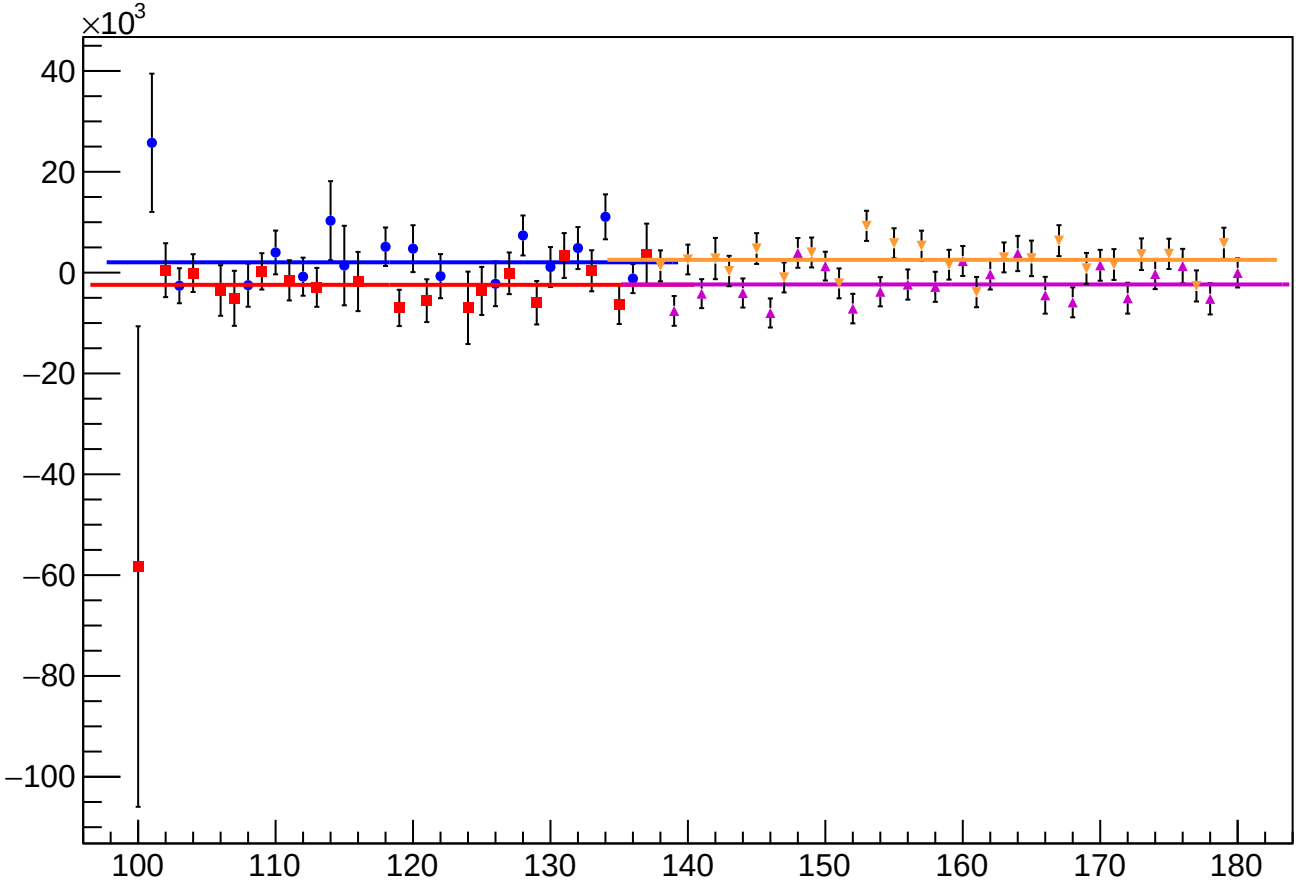
Left In: 777.573+/-0.135 χ^2/NDF:1040145.5/20

+ sign 708.457+/-0.105 χ^2/NDF: 3606030.5/37

All: 693.378+/-0.073 χ^2/NDF: 7005770.5/77

- sign 679.458+/-0.101 χ^2/NDF: 3360286.3/39

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.684+/-654.216 χ^2/NDF:23.4/21

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

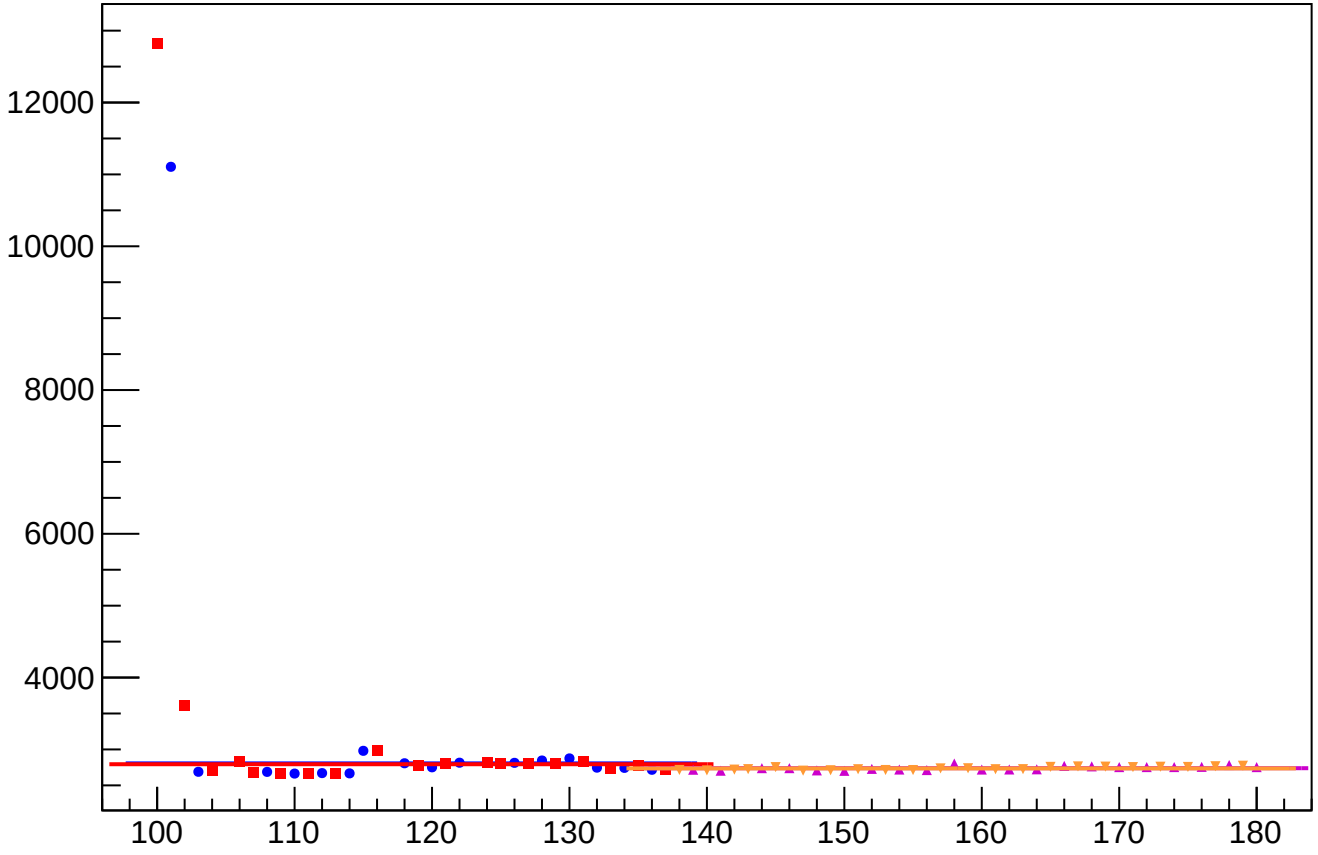
Left In: -2344.401+/-659.378 χ^2/NDF:30.0/20

+ sign 2403.239+/-558.211 χ^2/NDF: 41.3/37

All: 11.758+/-394.127 χ^2/NDF: 118.7/77

- 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: 2736.015+/-0.463 χ^2/NDF:2203.3/21

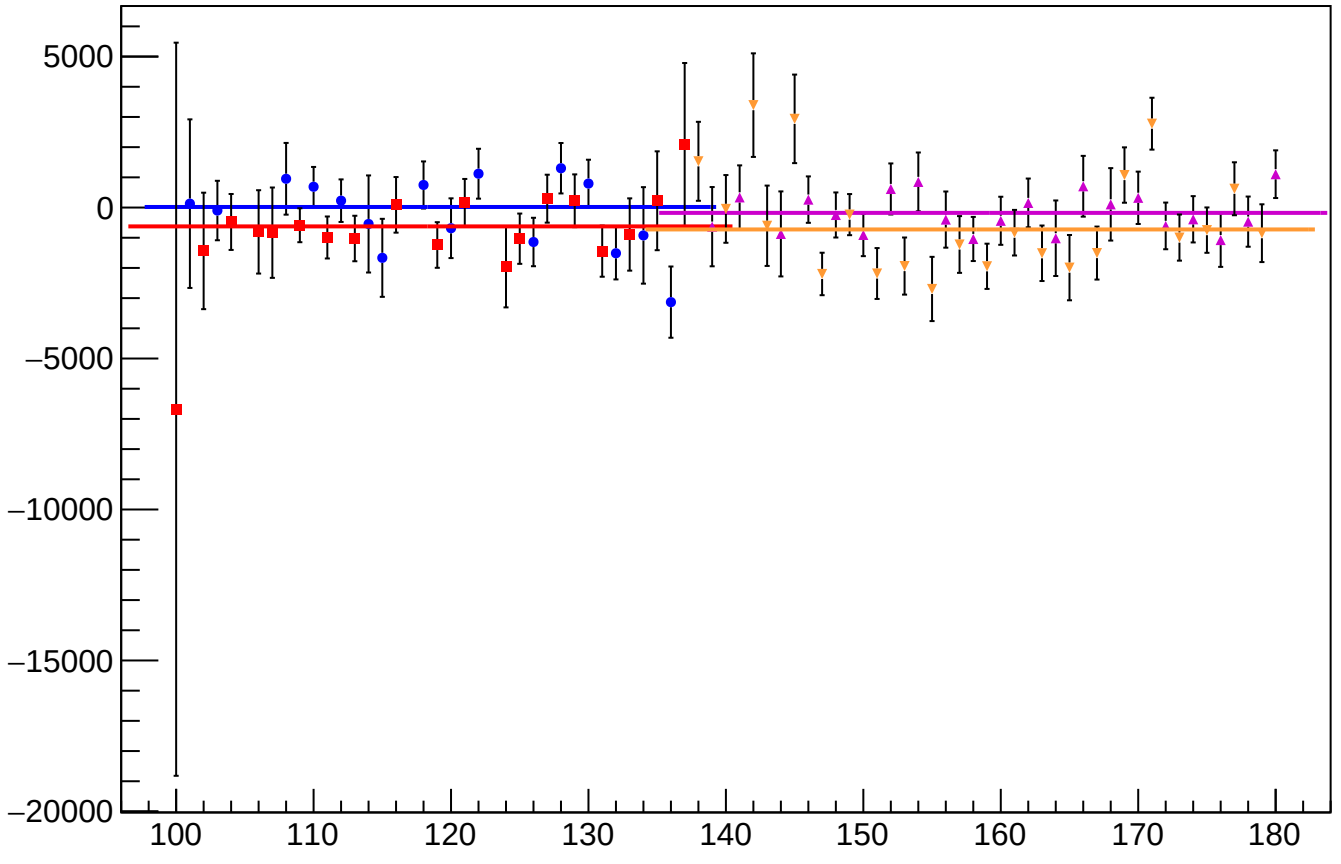
Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2738.925+/-0.466 χ^2/NDF:3293.1/20

+ sign 2754.897+/-0.395 χ^2/NDF: 754569.4/37

All: 2754.853+/-0.279 χ^2/NDF: 908642.2/77

- sign 2754.808+/-0.394 χ^2/NDF: 154072.7/39



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -725.252+/-193.272 χ^2/NDF:57.2/21

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

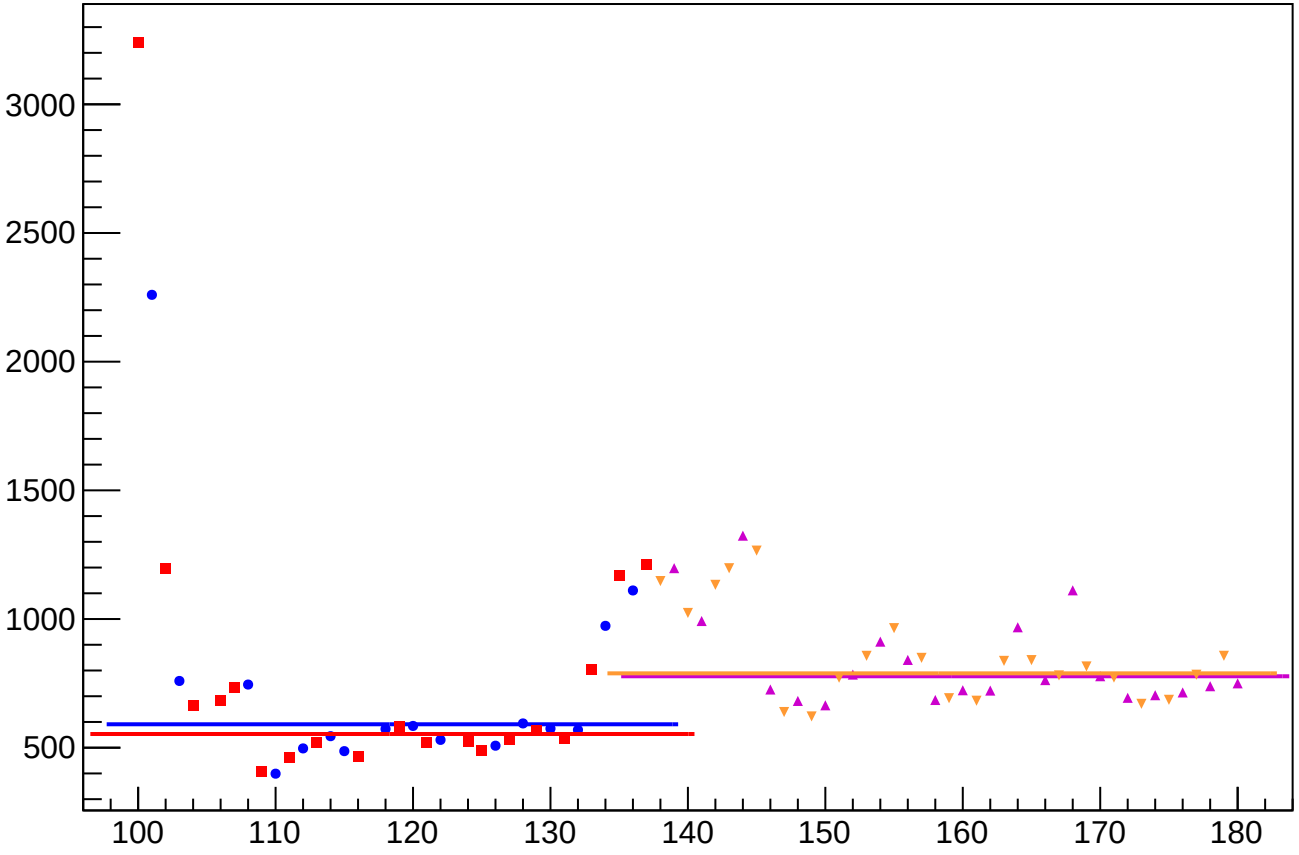
Left In: -176.642+/-190.958 χ^2/NDF:11.5/20

\+ sign -422.642+/-148.879 χ^2/NDF: 86.0/37

All: -396.876+/-103.146 χ^2/NDF: 109.0/77

\- 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: 788.911+/-0.137 χ^2/NDF:1186019.8/21

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

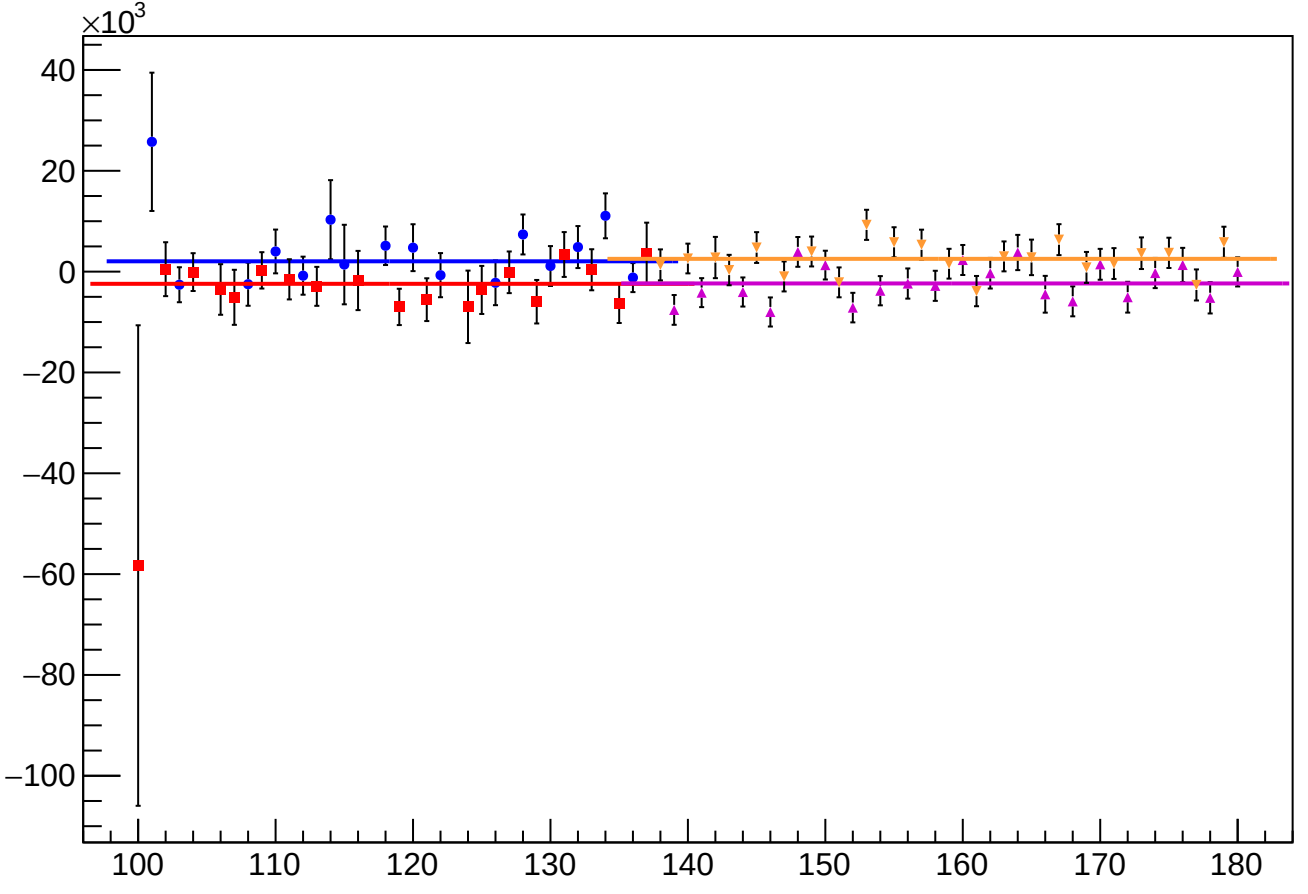
Left In: 777.576+/-0.135 χ^2/NDF:1040078.0/20

\+ sign 708.450+/-0.105 χ^2/NDF: 3605077.1/37

All: 693.192+/-0.073 χ^2/NDF: 6998828.1/77

\- 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: 2535.684+/-654.216 χ^2/NDF:23.4/21

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

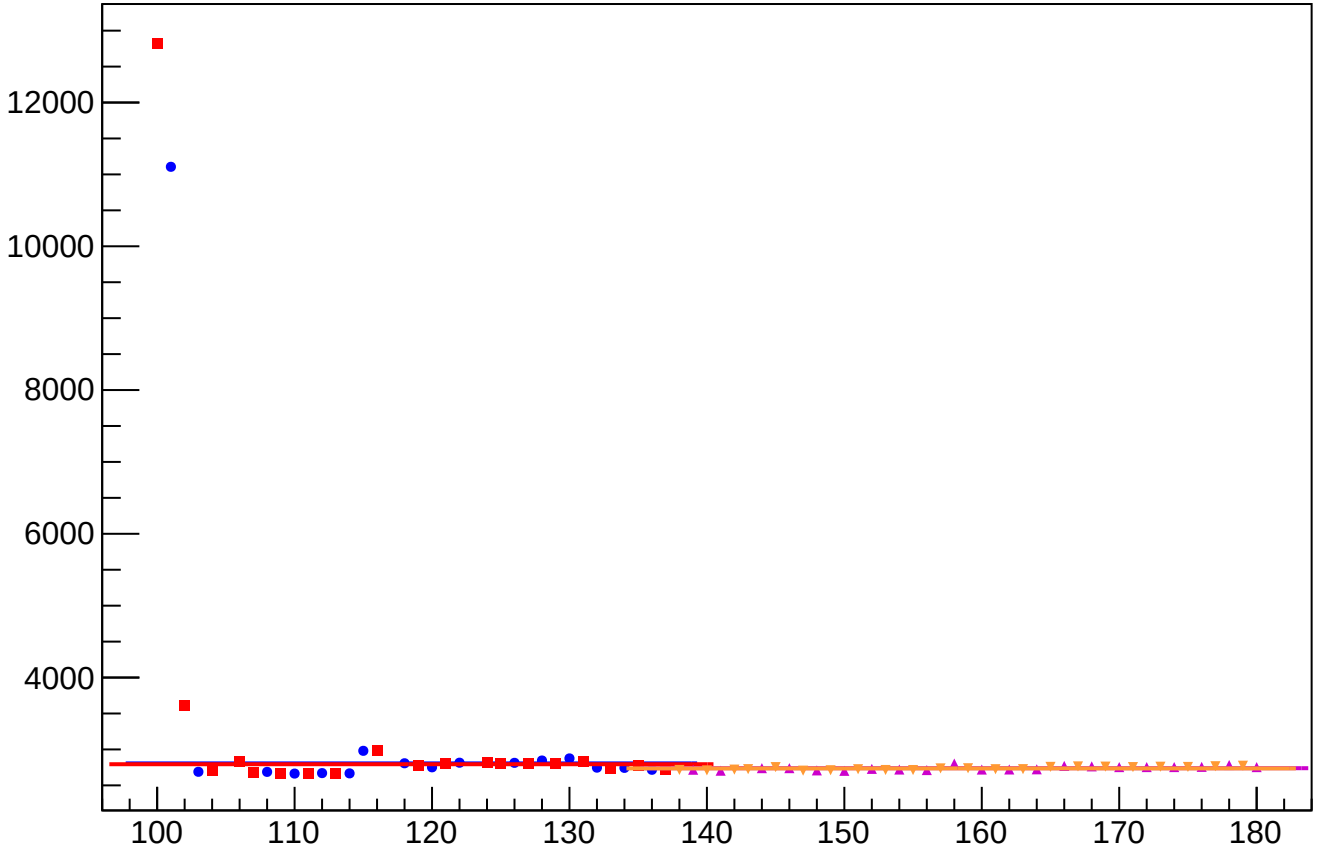
Left In: -2344.401+/-659.378 χ^2/NDF:30.0/20

+ sign 2403.239+/-558.211 χ^2/NDF: 41.3/37

All: 11.758+/-394.127 χ^2/NDF: 118.7/77

- 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: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

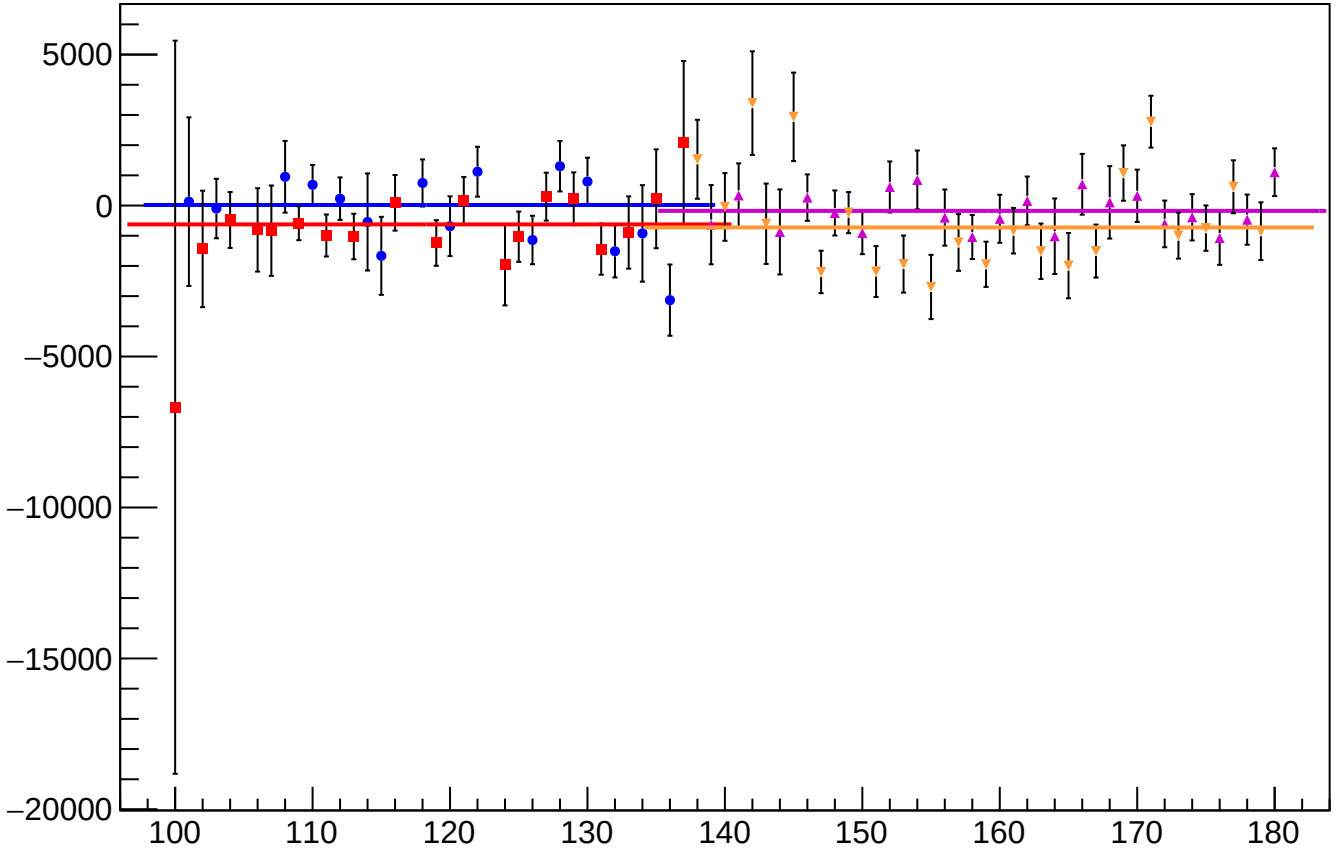
Left In: 2738.925+/-0.466 χ^2/NDF:3293.1/20

+ sign 2754.897+/-0.395 χ^2/NDF: 754569.4/37

All: 2754.853+/-0.279 χ^2/NDF: 908642.2/77

- 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: -725.252+/-193.272 χ^2/NDF:57.2/21

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

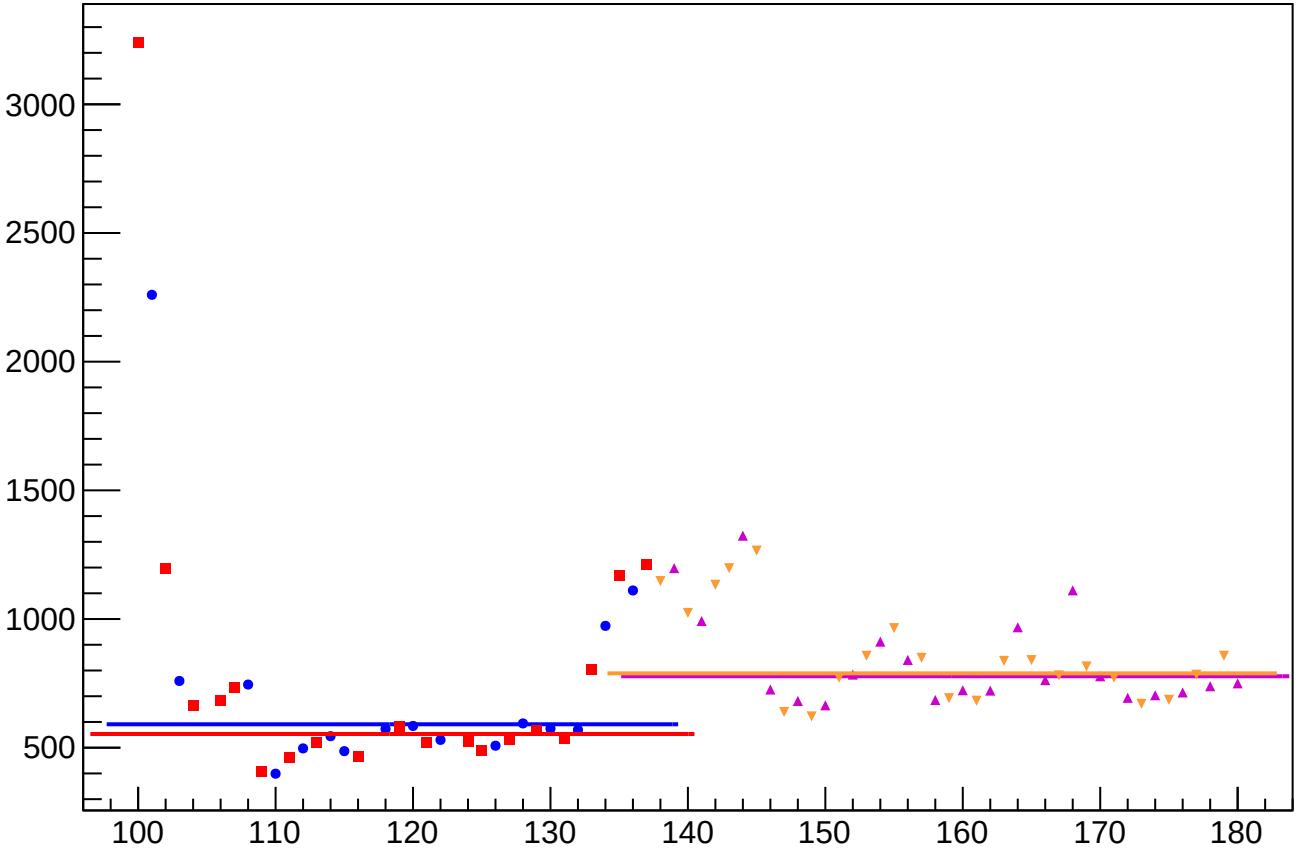
Left In: -176.642+/-190.958 χ^2/NDF:11.5/20

\+ sign -422.642+/-148.879 χ^2/NDF: 86.0/37

All: -396.876+/-103.146 χ^2/NDF: 109.0/77

\- 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: 788.911+/-0.137 χ^2/NDF:1186019.8/21

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

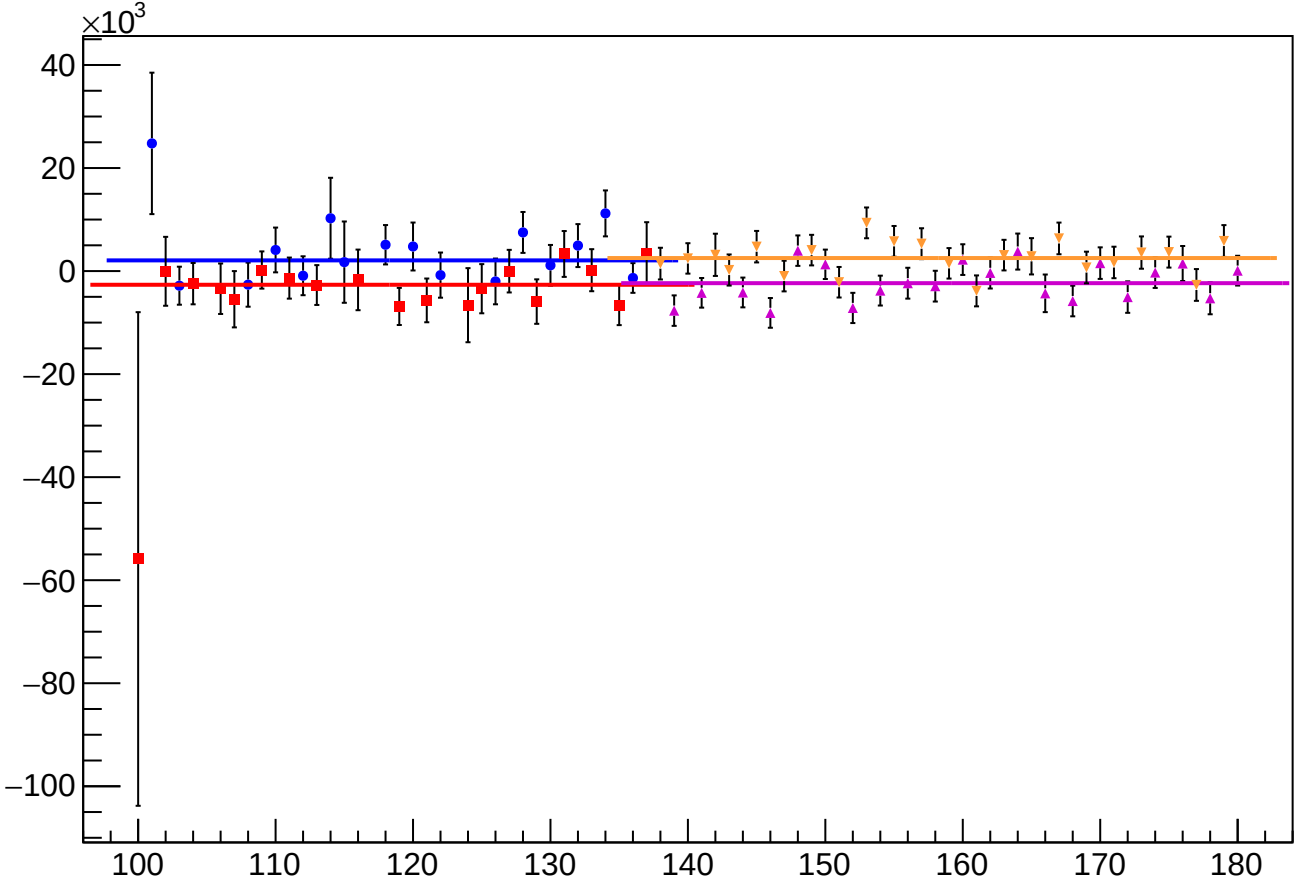
Left In: 777.576+/-0.135 χ^2/NDF:1040078.0/20

+ sign 708.450+/-0.105 χ^2/NDF: 3605077.1/37

All: 693.192+/-0.073 χ^2/NDF: 6998828.1/77

- 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: 2528.772+/-654.651 χ^2/NDF:23.6/21

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

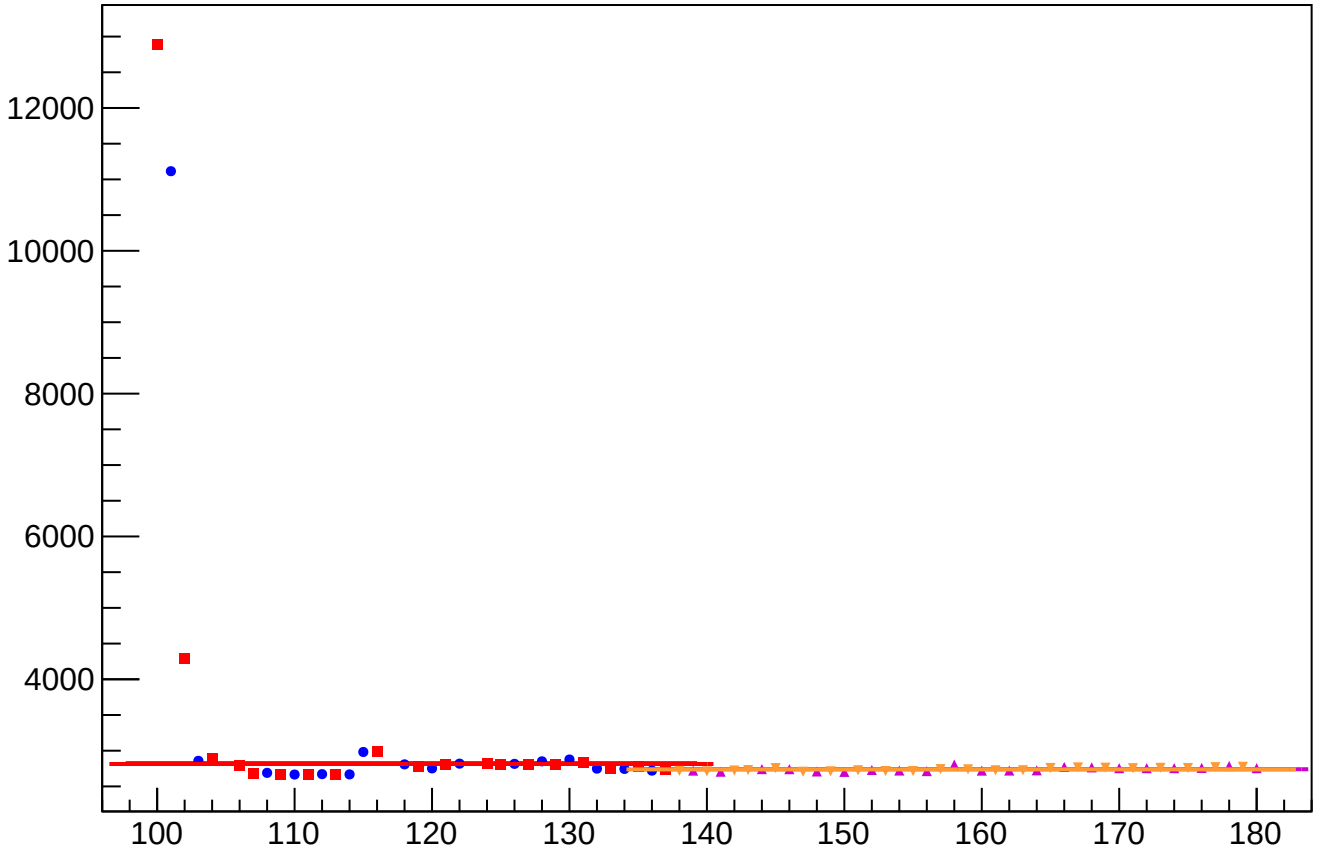
Left In: -2346.972+/-659.754 χ^2/NDF:30.5/20

+ sign 2406.314+/-559.438 χ^2/NDF: 41.6/37

All: -17.841+/-395.290 χ^2/NDF: 119.6/77

- 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: 2737.829+/-0.463 χ^2/NDF:2213.5/21

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

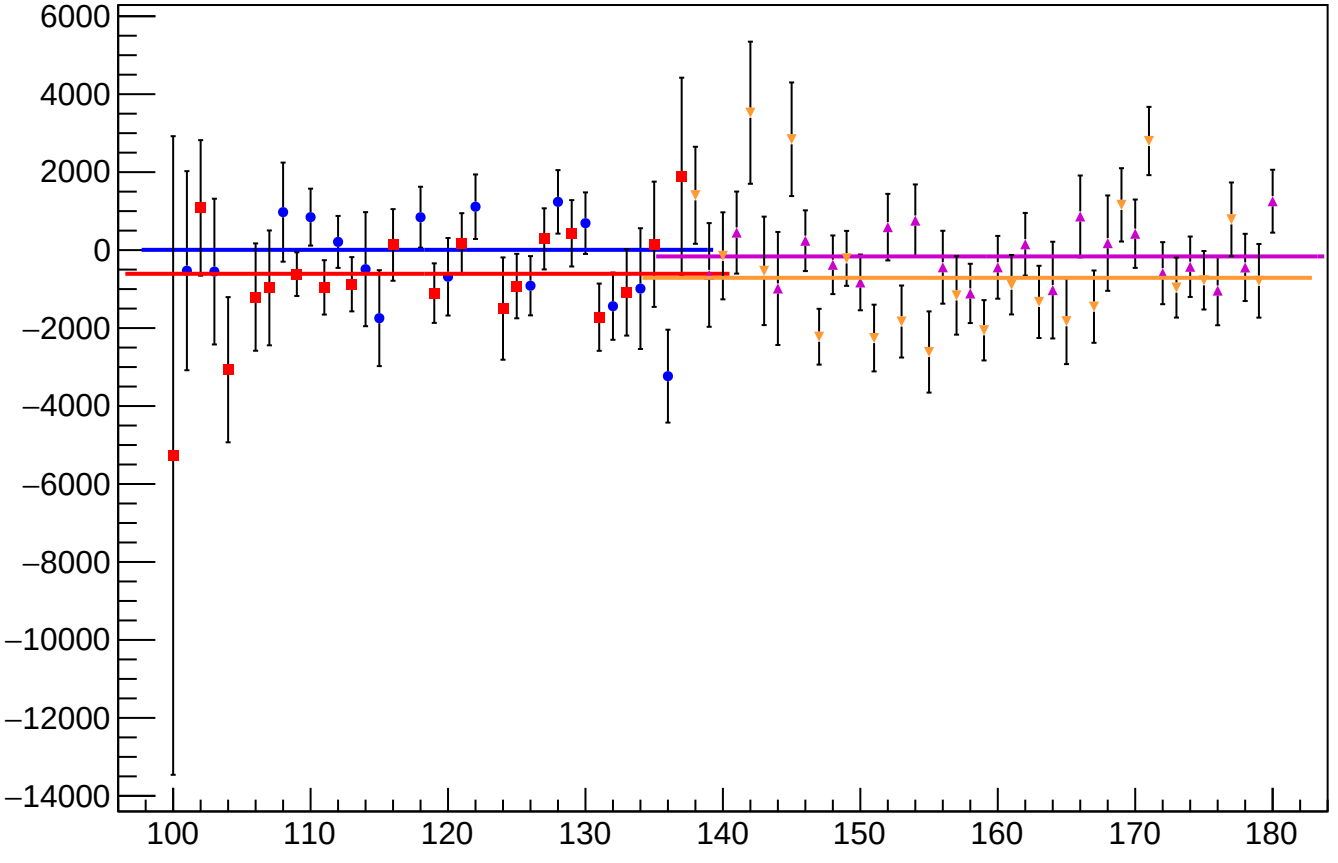
Left In: 2740.478+/-0.467 χ^2/NDF:3304.3/20

+ sign 2760.923+/-0.396 χ^2/NDF: 755357.0/37

All: 2761.082+/-0.280 χ^2/NDF: 966171.1/77

- 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: -710.926+/-196.789 χ^2/NDF:55.6/21

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

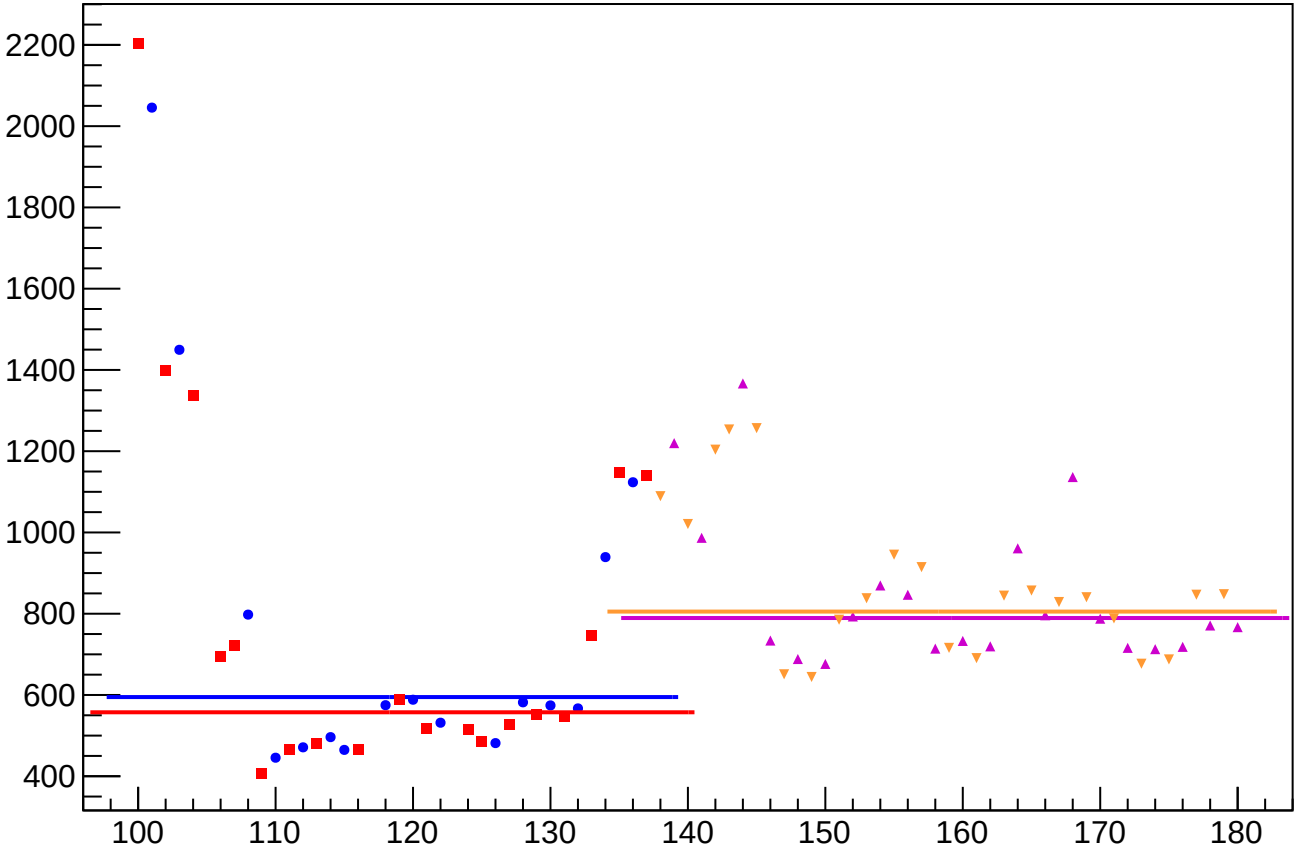
Left In: -162.065+/-193.412 χ^2/NDF:12.2/20

+ sign -418.592+/-151.519 χ^2/NDF: 83.8/37

All: -387.490+/-104.537 χ^2/NDF: 110.6/77

- 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: 805.252+/-0.139 χ^2/NDF:1131833.3/21

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

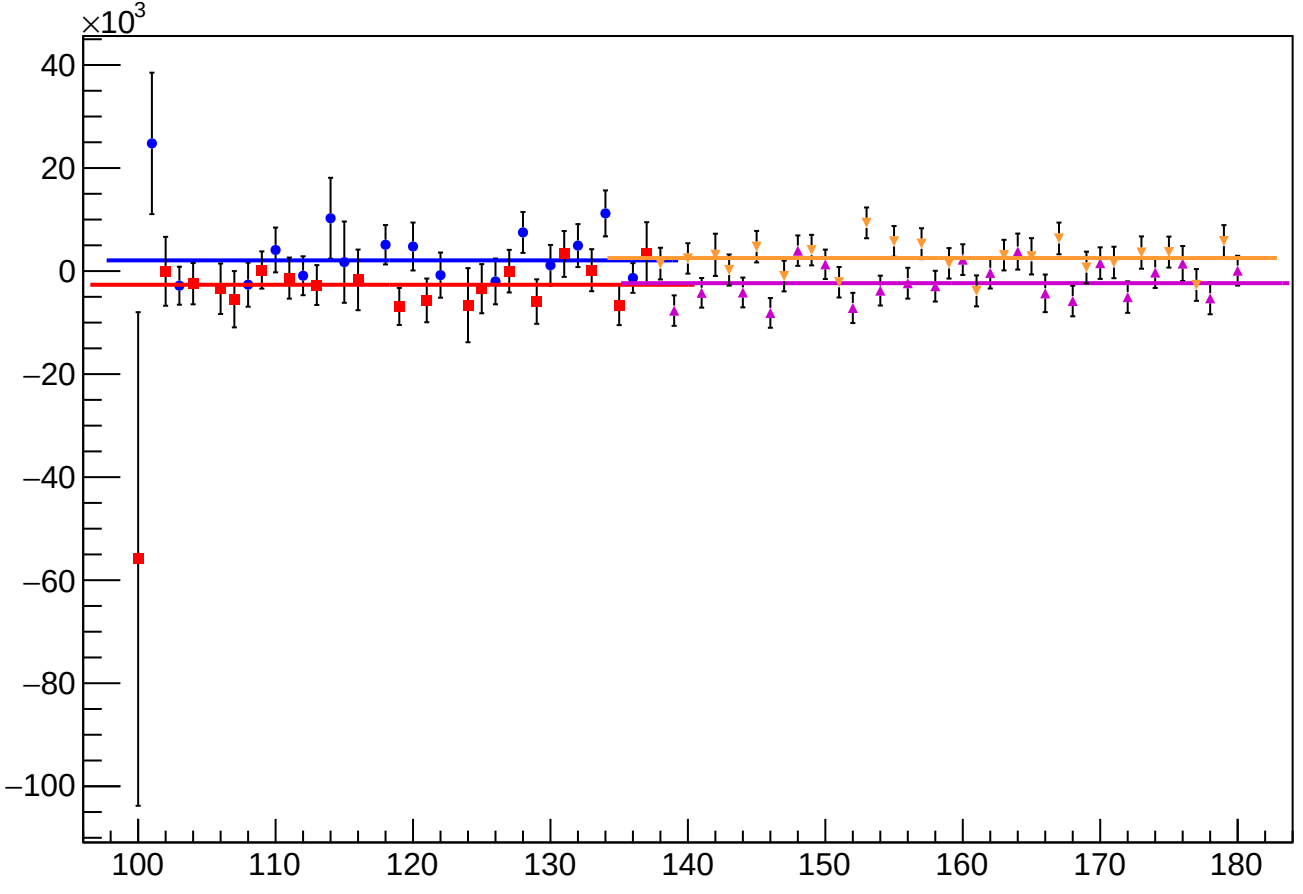
Left In: 789.399+/-0.137 χ^2/NDF:1010783.8/20

+ sign 719.587+/-0.107 χ^2/NDF: 3915318.2/37

All: 702.374+/-0.074 χ^2/NDF: 7880059.4/77

- 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: 2528.773+/-654.651 χ^2/NDF:23.6/21

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

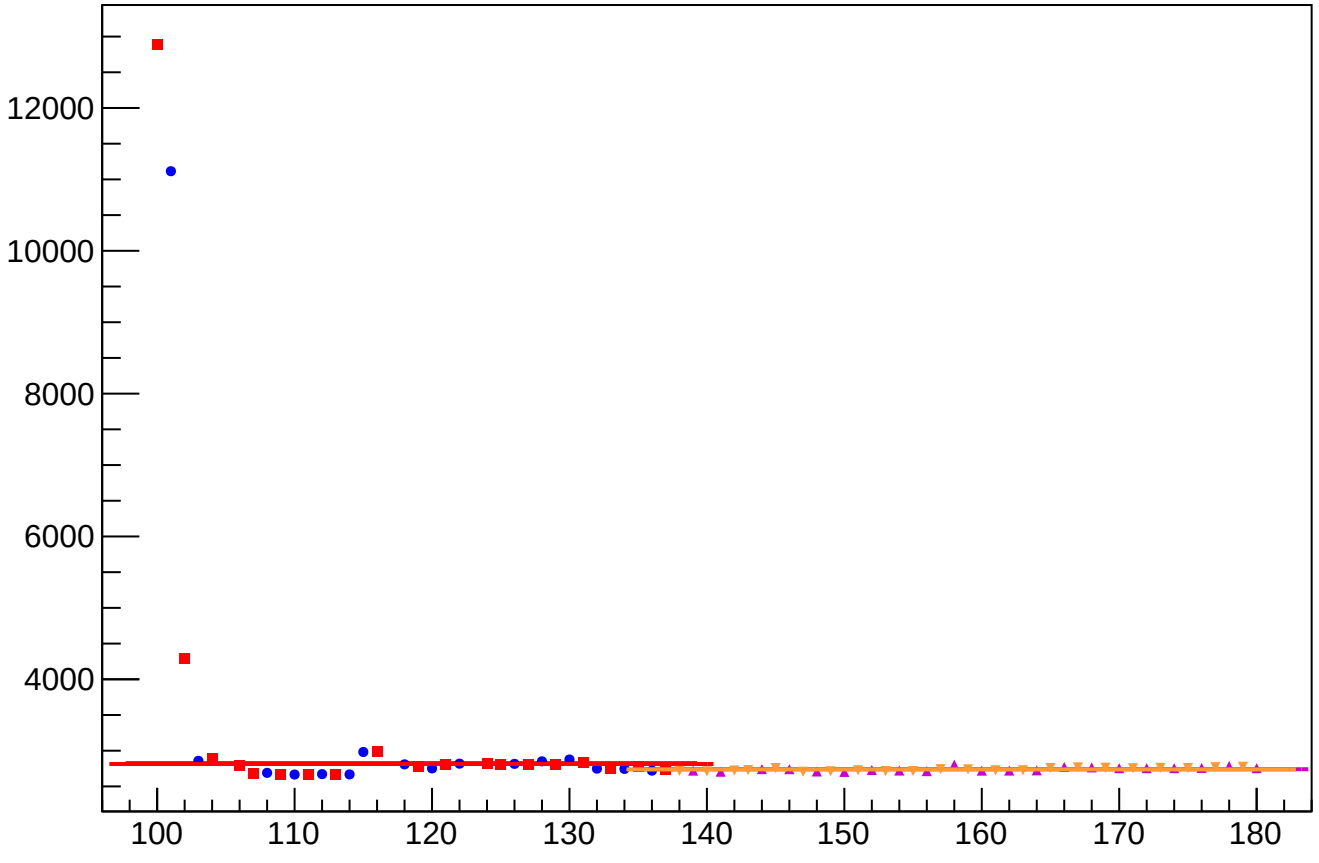
Left In: -2346.972+/-659.754 χ^2/NDF:30.5/20

+ sign 2406.315+/-559.438 χ^2/NDF: 41.6/37

All: -17.840+/-395.290 χ^2/NDF: 119.6/77

- 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: 2737.829+/-0.463 χ^2/NDF:2213.5/21

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

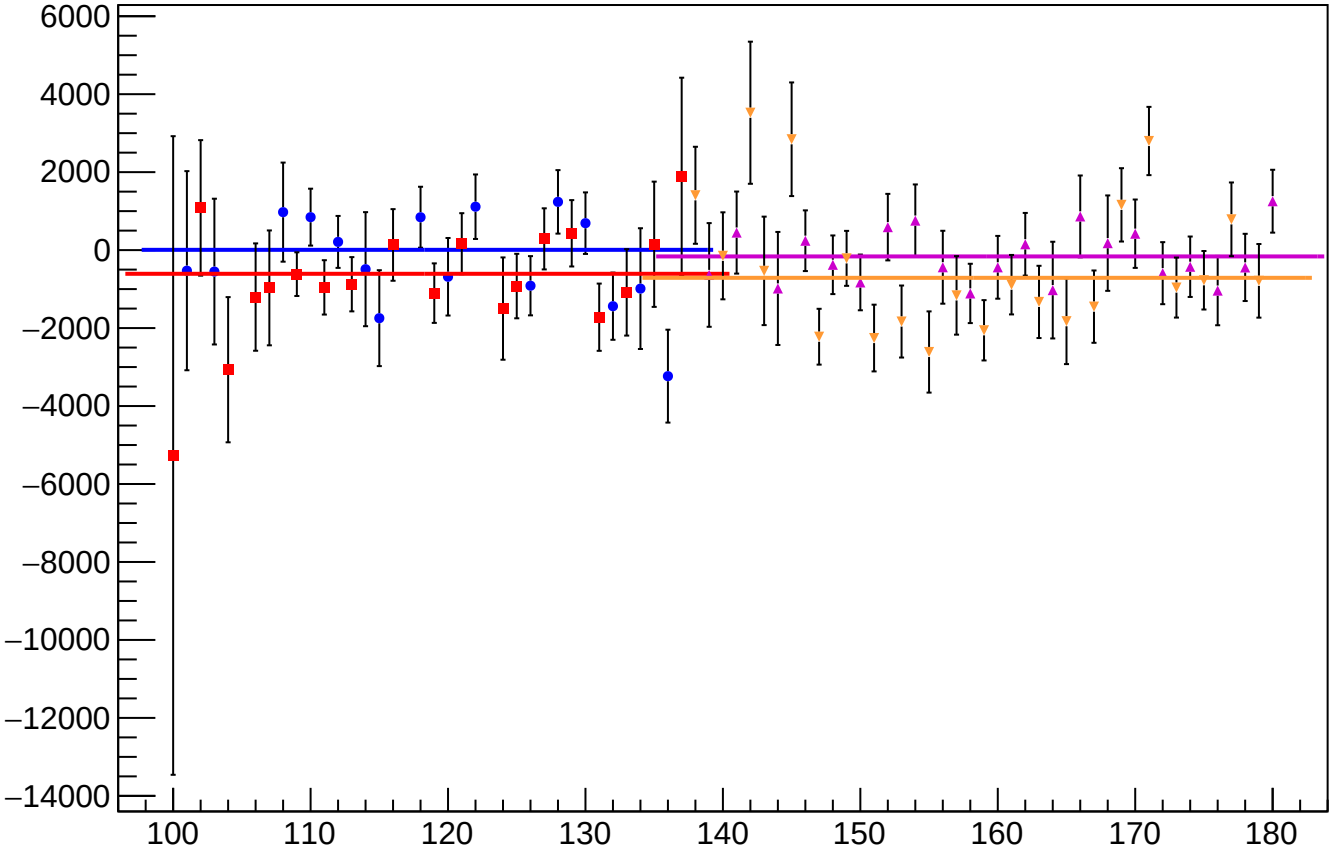
Left In: 2740.478+/-0.467 χ^2/NDF:3304.3/20

+ sign 2760.923+/-0.396 χ^2/NDF: 755357.0/37

All: 2761.082+/-0.280 χ^2/NDF: 966170.8/77

- 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: -710.926+/-196.789 χ^2/NDF:55.6/21

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

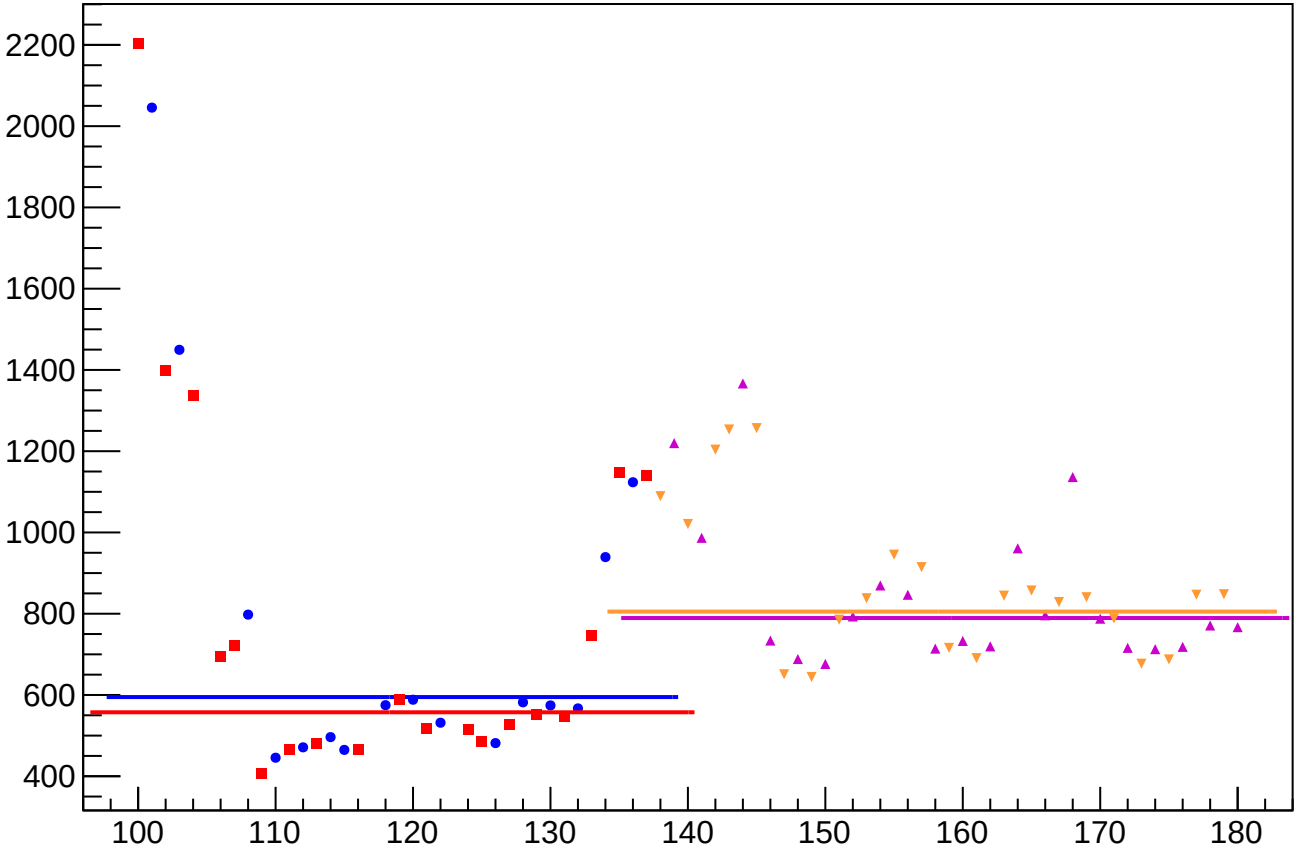
Left In: -162.065+/-193.412 χ^2/NDF:12.2/20

+ sign -418.592+/-151.519 χ^2/NDF: 83.8/37

All: -387.490+/-104.537 χ^2/NDF: 110.6/77

- 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: 805.252+/-0.139 χ^2/NDF:1131835.5/21

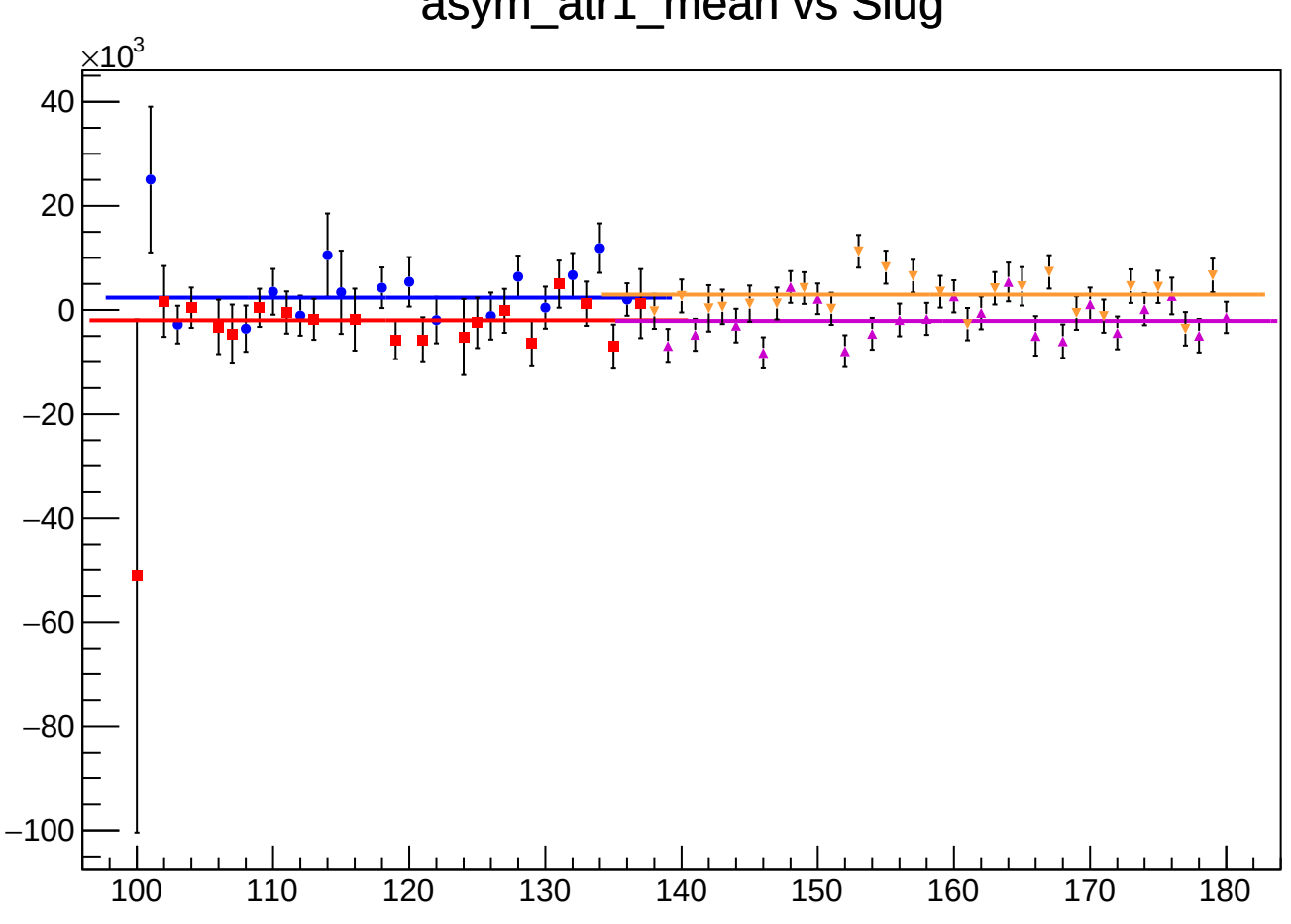
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 789.398+/-0.137 χ^2/NDF:1010788.0/20

+ sign 719.587+/-0.107 χ^2/NDF: 3915310.6/37

All: 702.374+/-0.074 χ^2/NDF: 7880049.8/77

- sign 686.737+/-0.102 χ^2/NDF: 3915478.5/39



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2949.109+/-688.429 χ^2/NDF:28.8/21

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

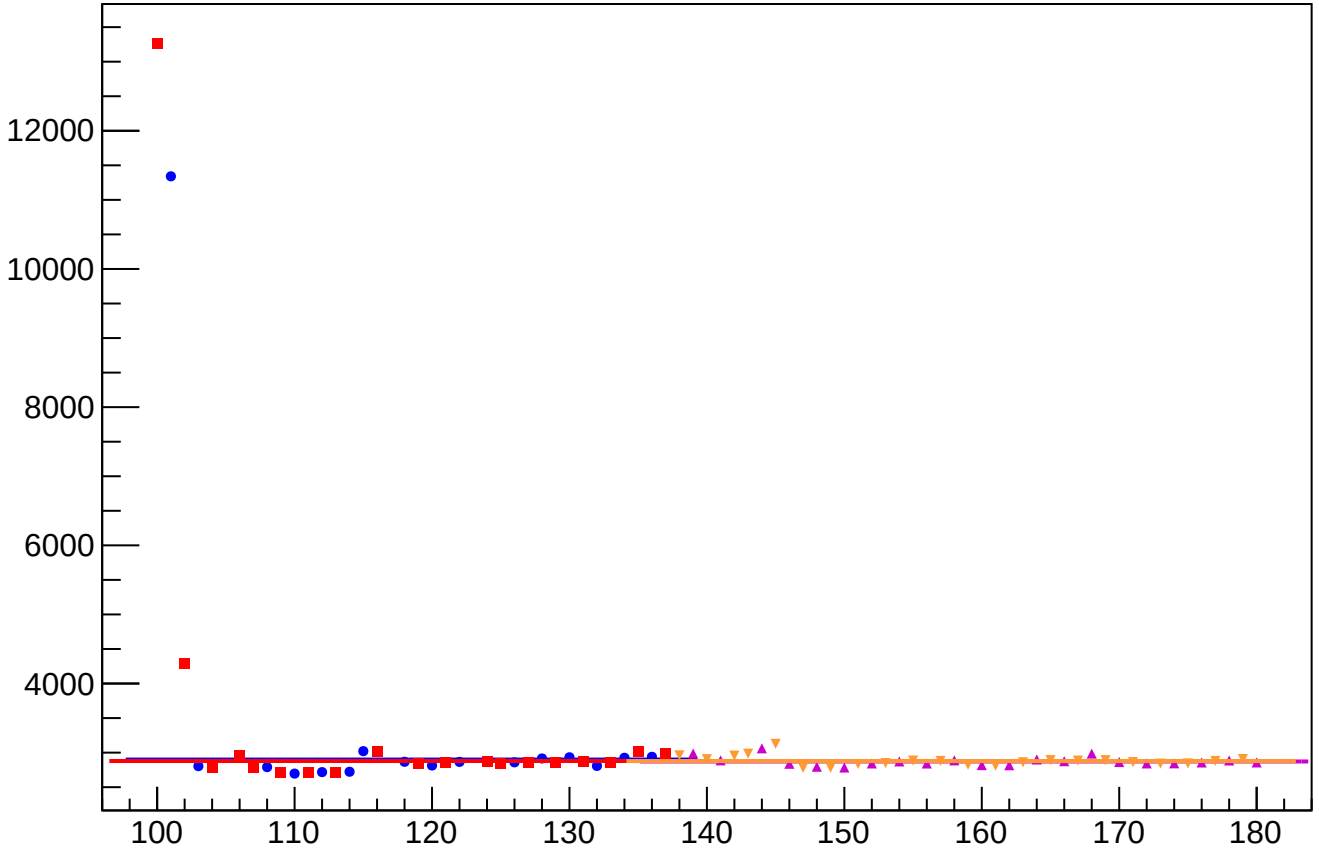
Left In: -2110.100+/-691.593 χ^2/NDF:31.6/20

+ sign 2786.647+/-584.486 χ^2/NDF: 45.9/37

All: 344.558+/-412.296 χ^2/NDF: 122.5/77

- 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: 2877.932+/-0.487 χ^2/NDF:21294.0/21

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

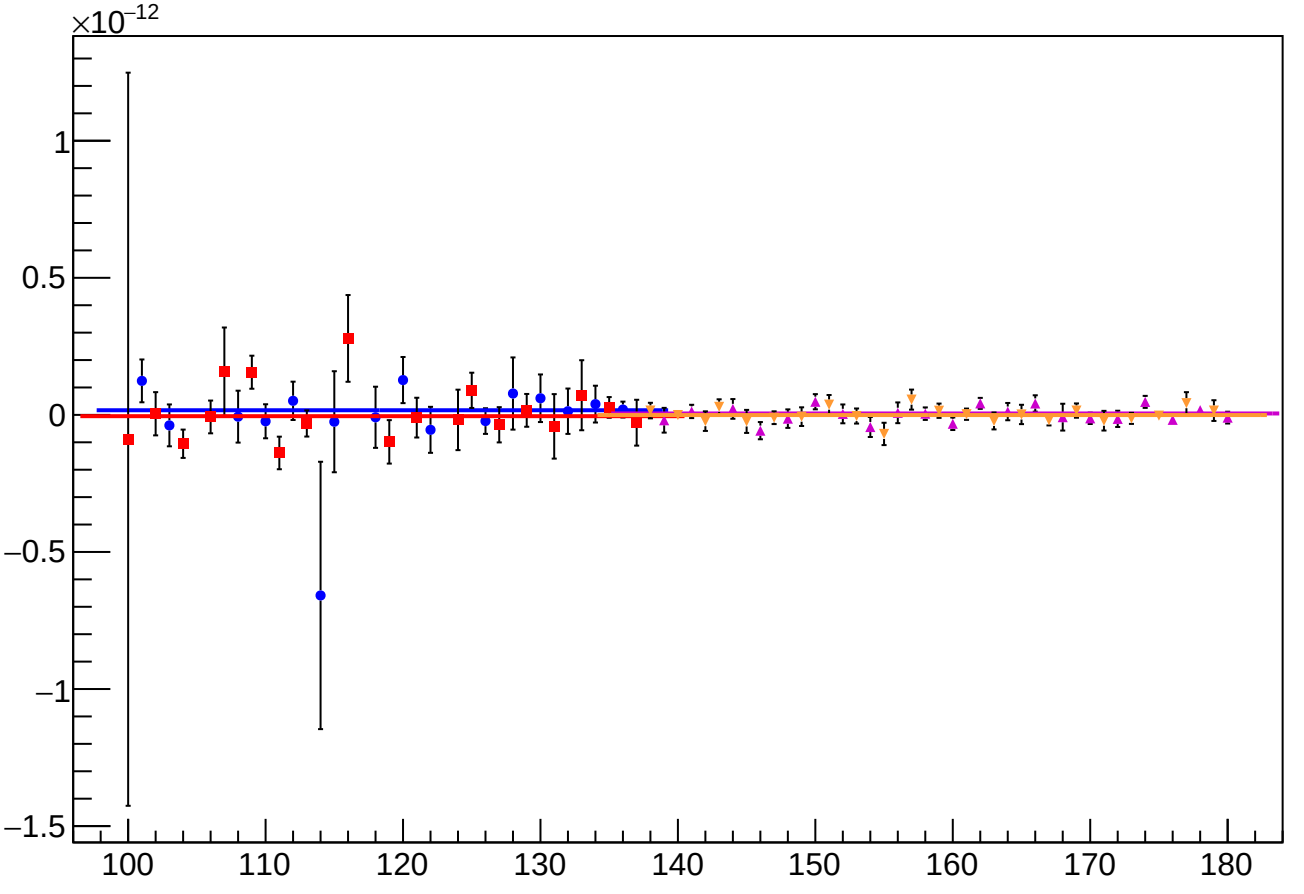
Left In: 2871.929+/-0.489 χ^2/NDF:17456.2/20

+ sign 2884.045+/-0.413 χ^2/NDF: 763676.9/37

All: 2878.991+/-0.292 χ^2/NDF: 974773.6/77

- 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:13.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

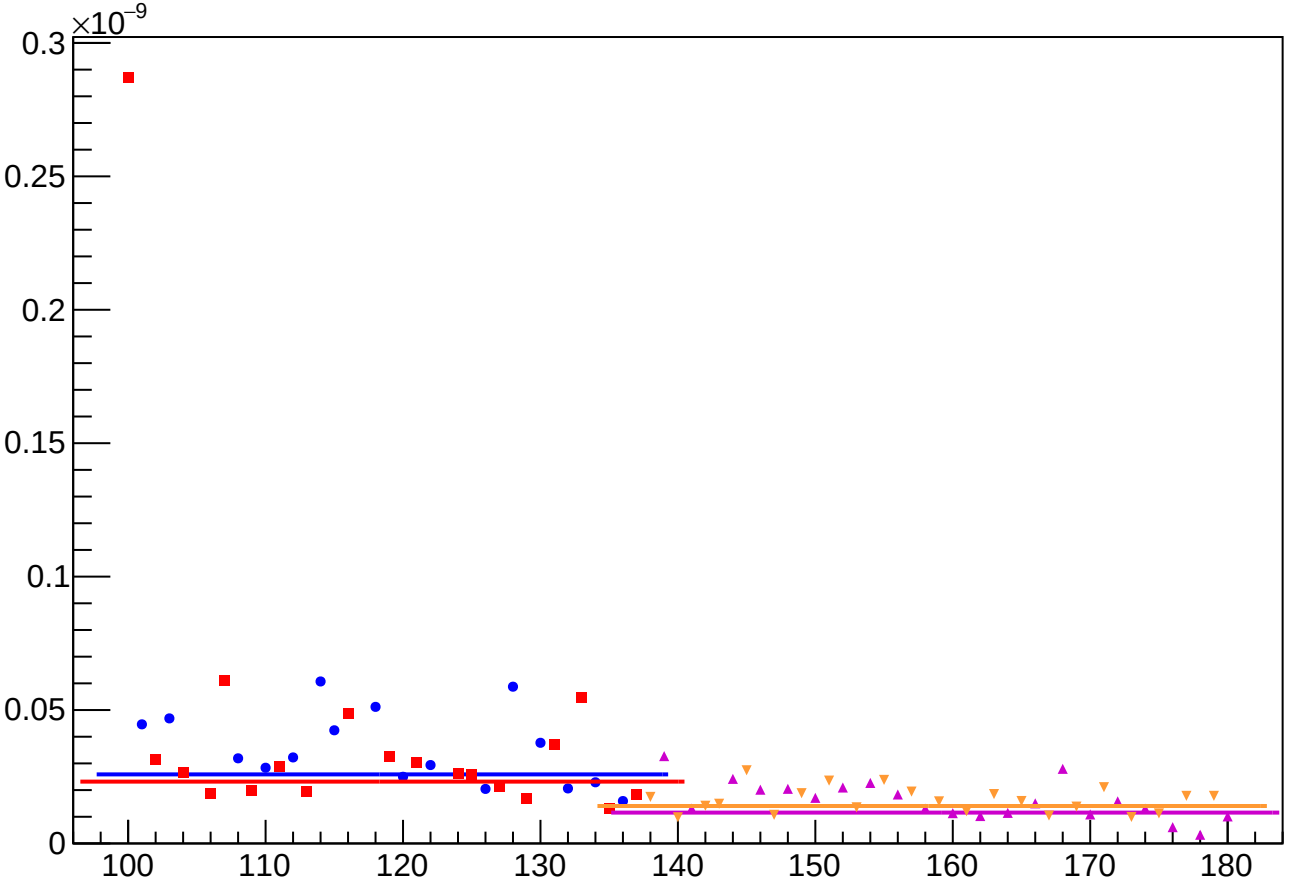
Left In: 0.000+/-0.000 χ^2/NDF:25.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 23.0/37

All: 0.000+/-0.000 χ^2/NDF: 74.6/77

- 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:1123001.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

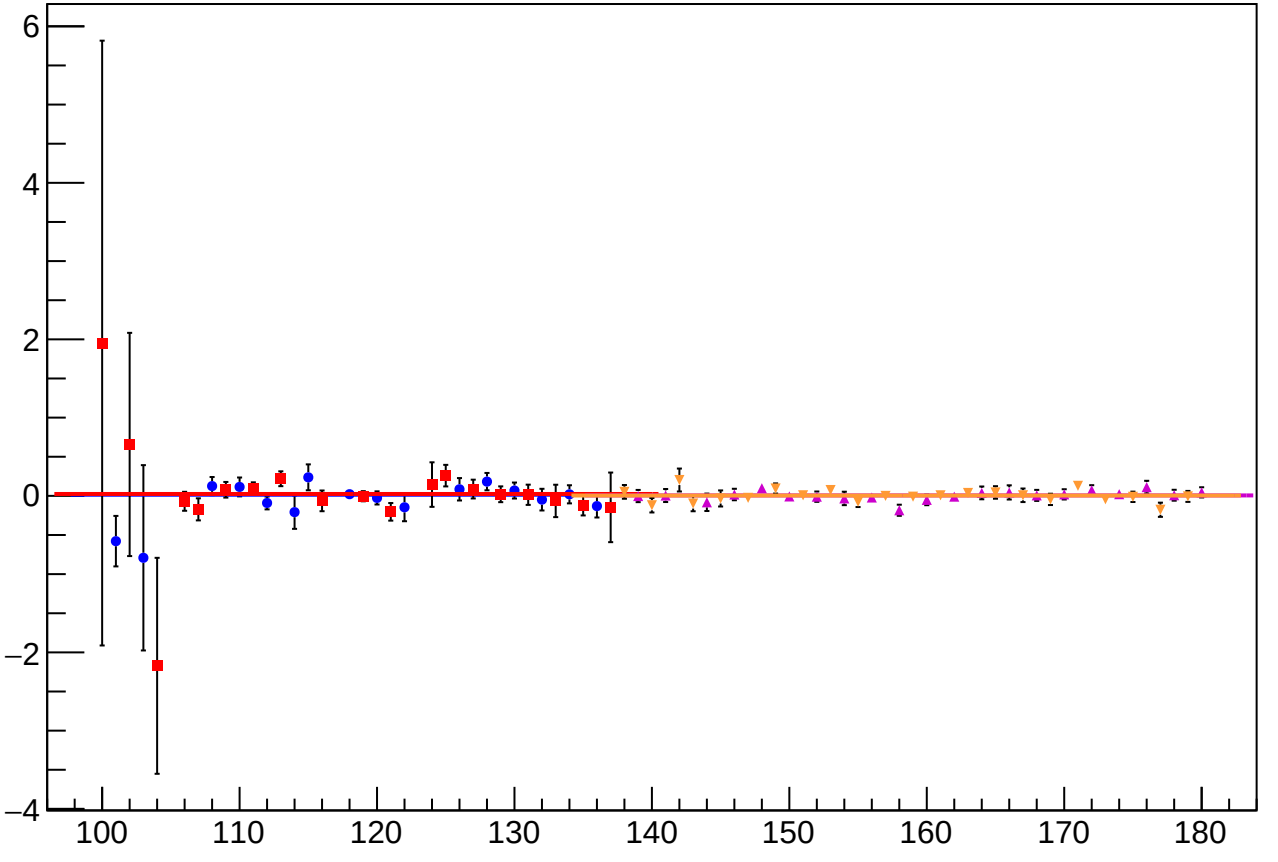
Left In: 0.000+/-0.000 χ^2/NDF:3015460.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 2874581.2/37

All: 0.000+/-0.000 χ^2/NDF: 7797348.0/77

- 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: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

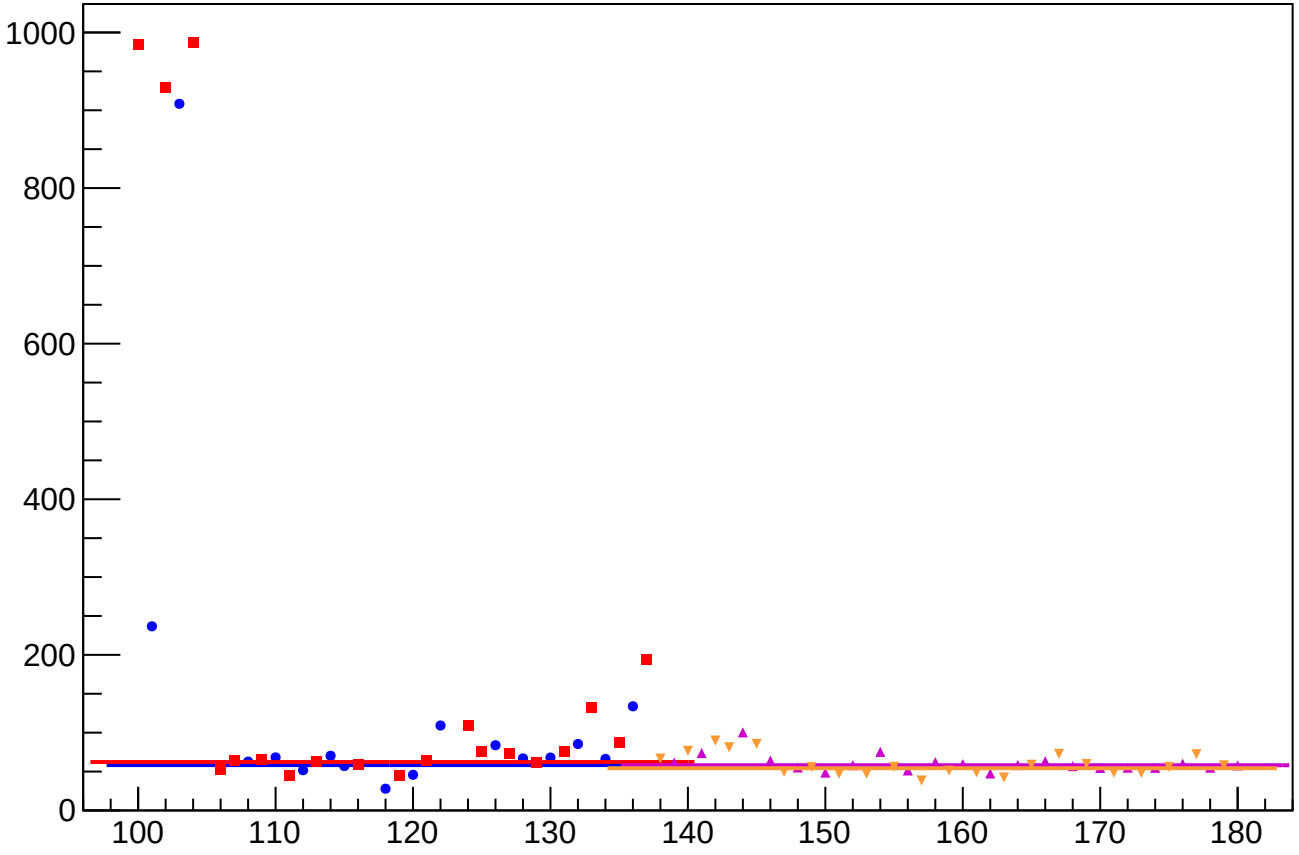
Left In: 0.006+/-0.015 χ^2/NDF:14.7/20

\+ sign 0.007+/-0.013 χ^2/NDF: 35.6/37

All: 0.008+/-0.009 χ^2/NDF: 71.4/77

\- 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: 54.257+/-0.010 χ^2/NDF:1181097.5/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

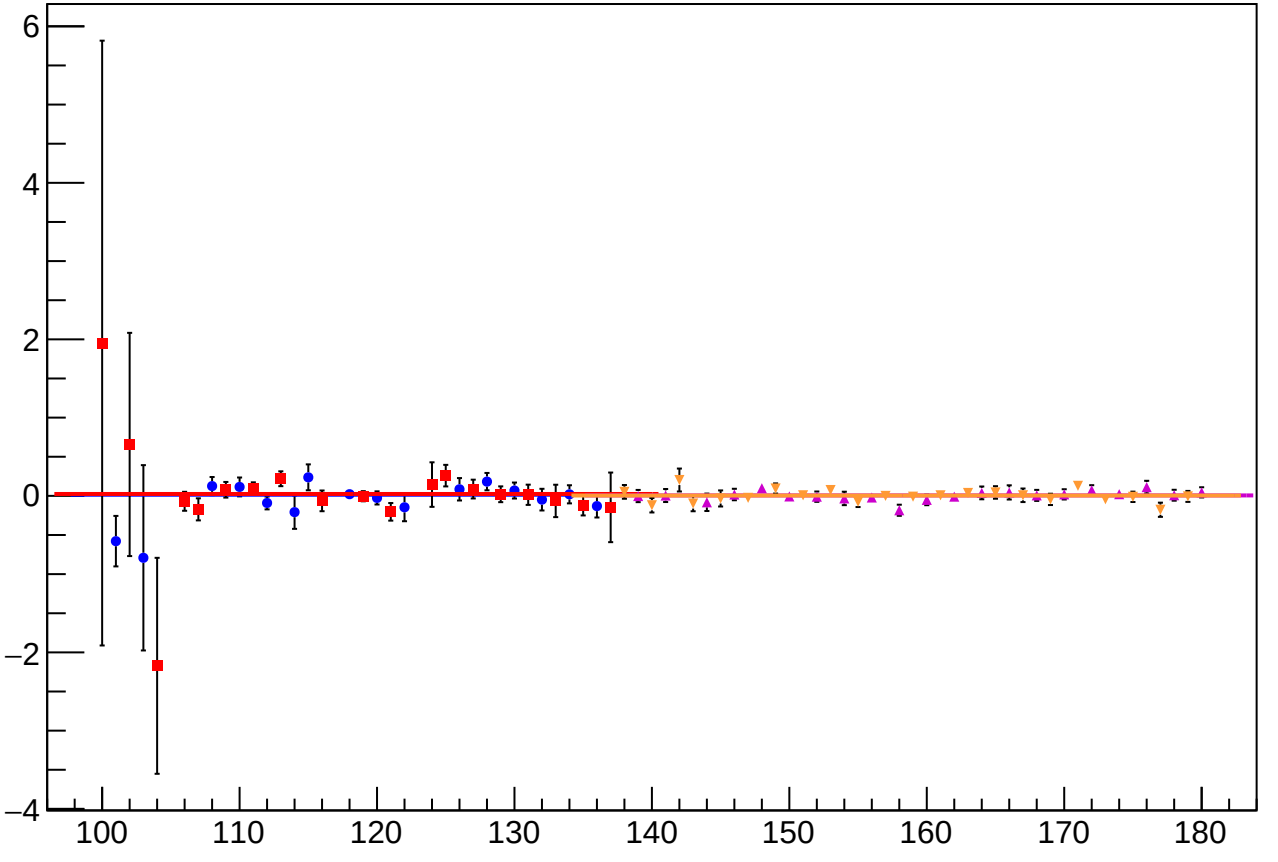
Left In: 58.117+/-0.011 χ^2/NDF:641919.2/20

+ sign 55.142+/-0.009 χ^2/NDF: 4474706.8/37

All: 57.038+/-0.007 χ^2/NDF: 7864896.6/77

- 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: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

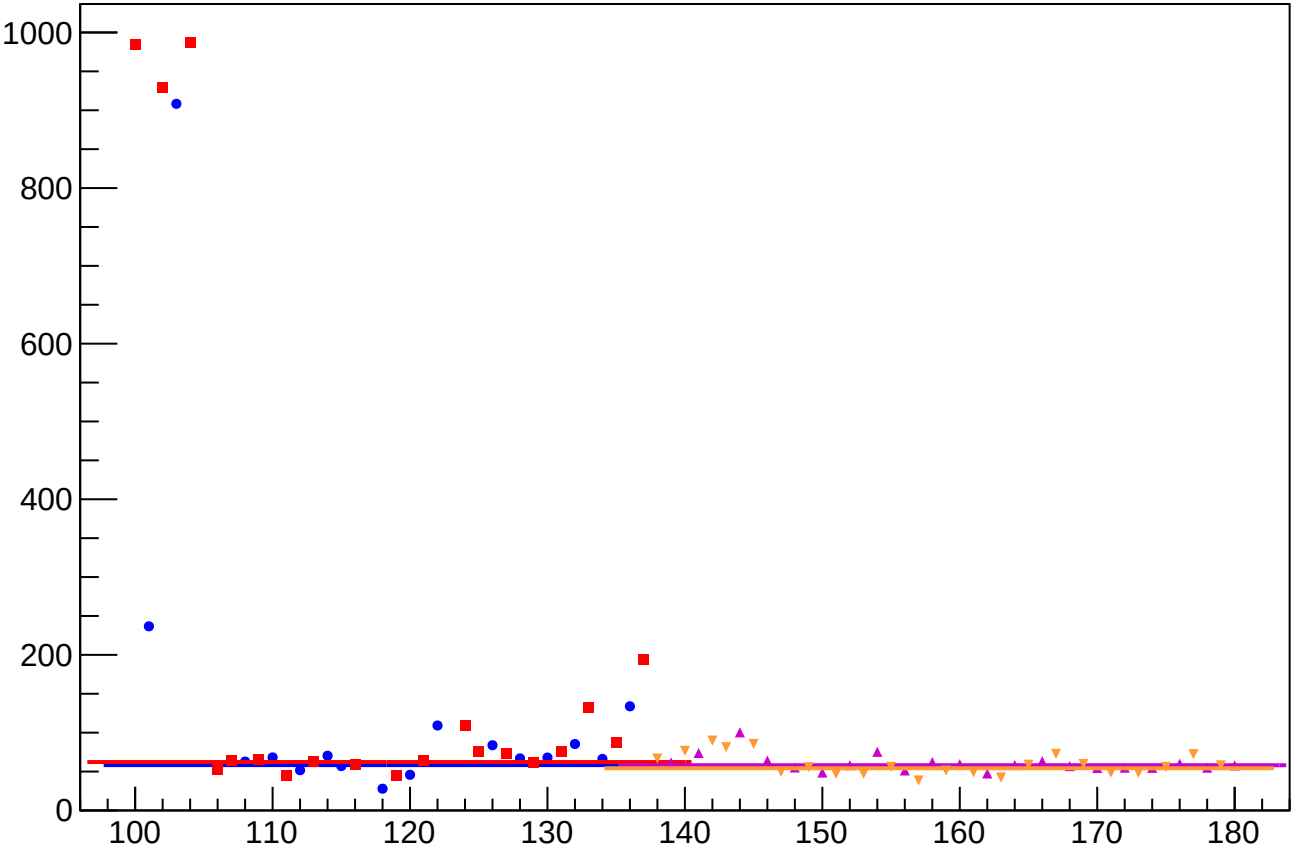
Left In: 0.006+/-0.015 χ^2/NDF:14.7/20

\+ sign 0.007+/-0.013 χ^2/NDF: 35.6/37

All: 0.008+/-0.009 χ^2/NDF: 71.4/77

\- 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: 54.257+/-0.010 χ^2/NDF:1181097.5/21

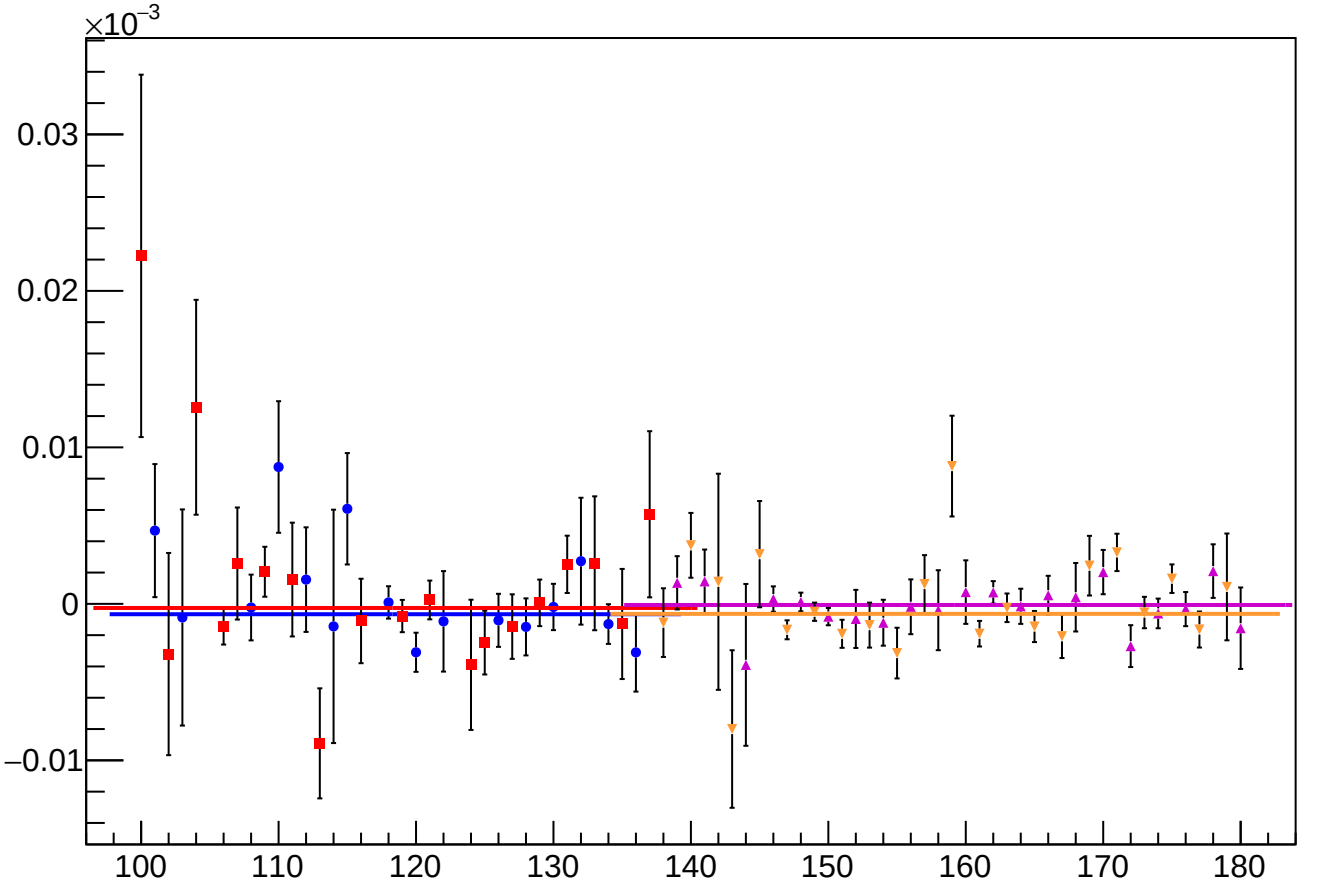
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.117+/-0.011 χ^2/NDF:641919.2/20

+ sign 55.142+/-0.009 χ^2/NDF: 4474706.8/37

All: 57.038+/-0.007 χ^2/NDF: 7864896.6/77

- sign 59.064+/-0.010 χ^2/NDF: 3302196.2/39



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

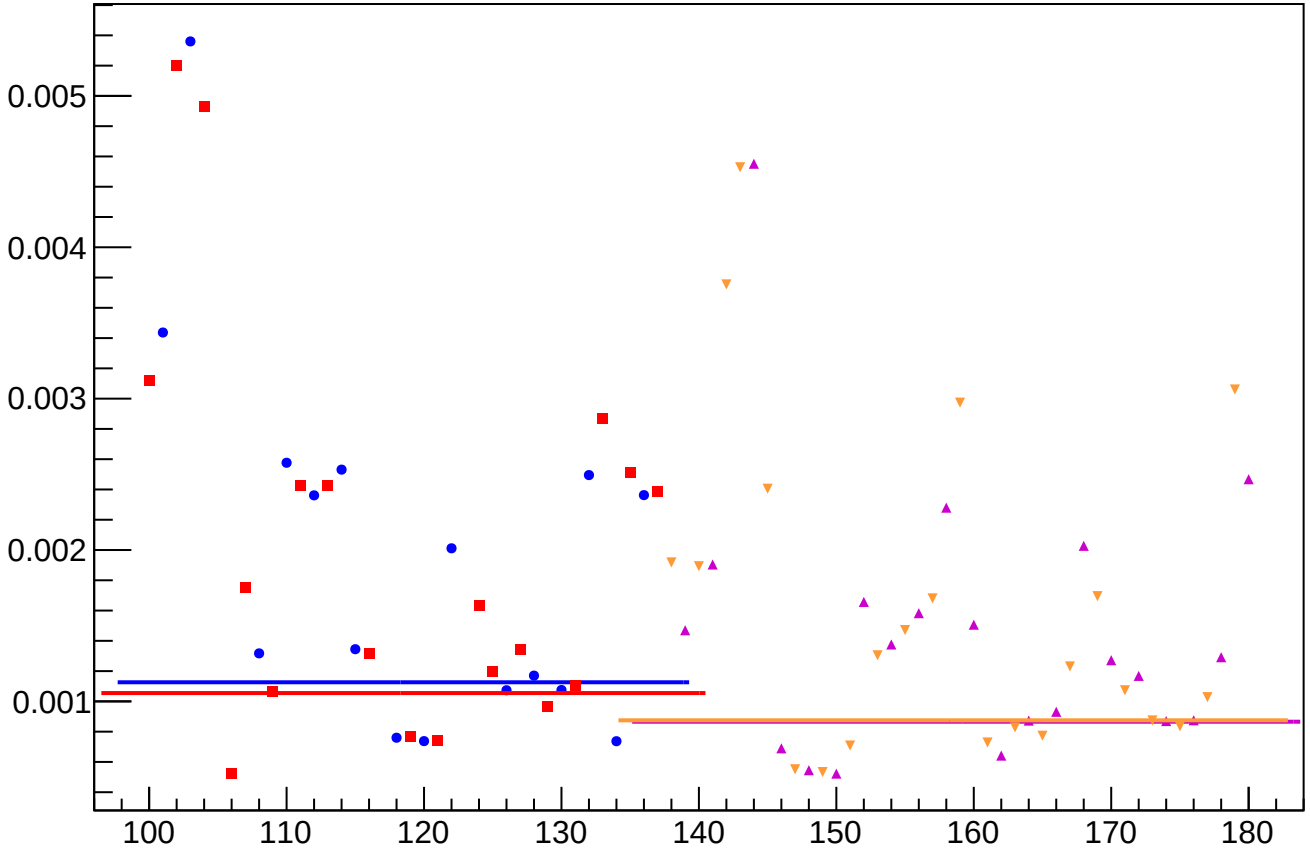
Left In: -0.000+/-0.000 χ^2/NDF:14.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 67.3/37

All: -0.000+/-0.000 χ^2/NDF: 109.9/77

- 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:7252271.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

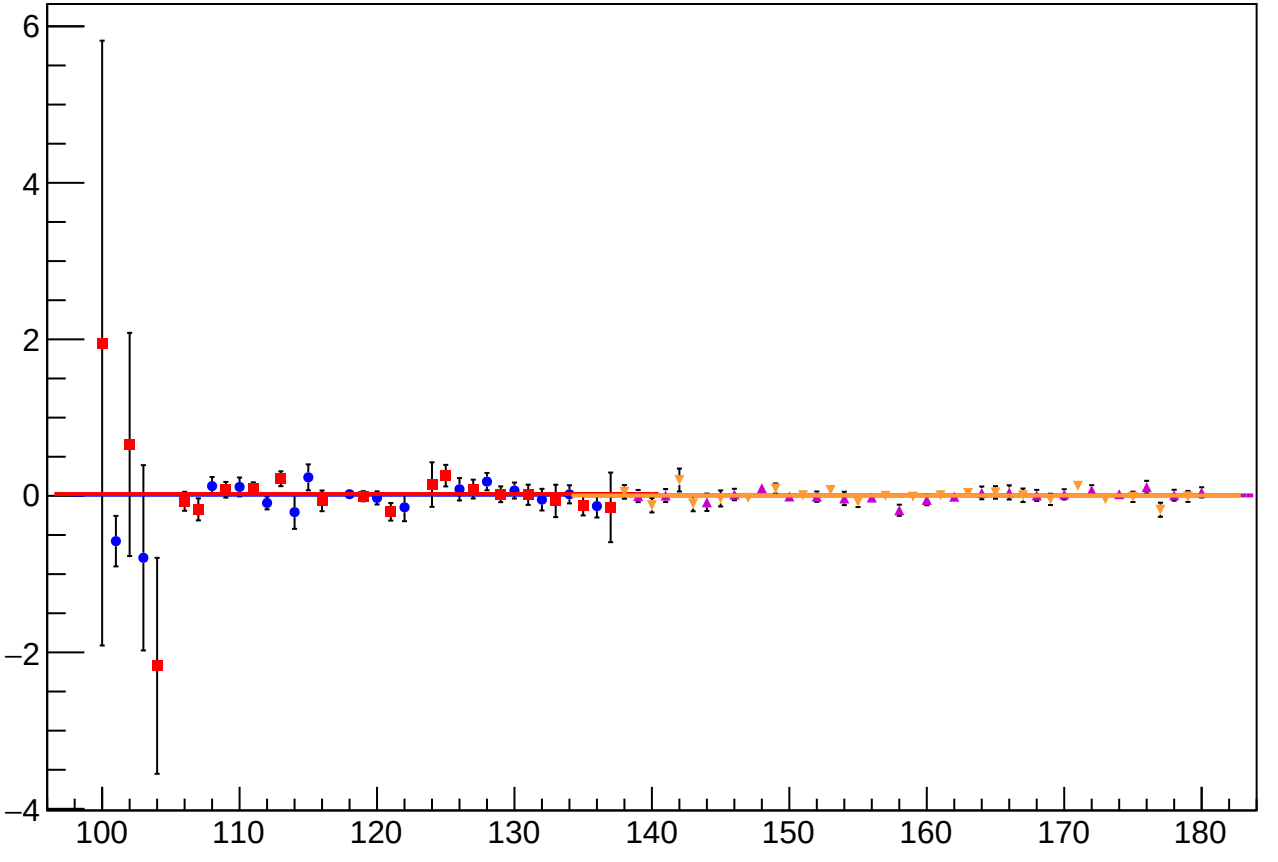
Left In: 0.001+/-0.000 χ^2/NDF:6898849.9/20

+ sign 0.001+/-0.000 χ^2/NDF: 11127736.1/37

All: 0.001+/-0.000 χ^2/NDF: 22141994.2/77

- 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: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

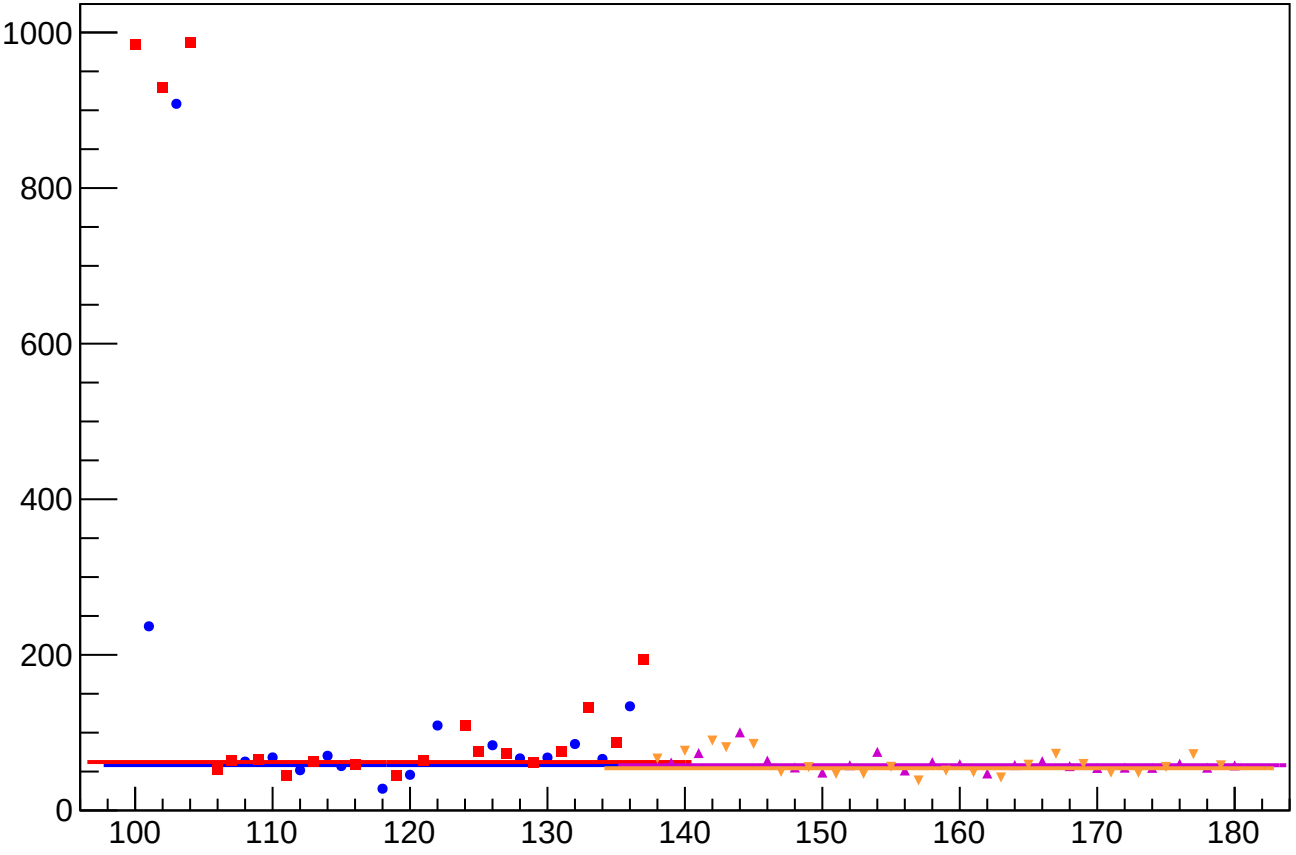
Left In: 0.006+/-0.015 χ^2/NDF:14.7/20

\+ sign 0.007+/-0.013 χ^2/NDF: 35.6/37

All: 0.008+/-0.009 χ^2/NDF: 71.4/77

\- 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: 54.256+/-0.010 χ^2/NDF:1181168.1/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

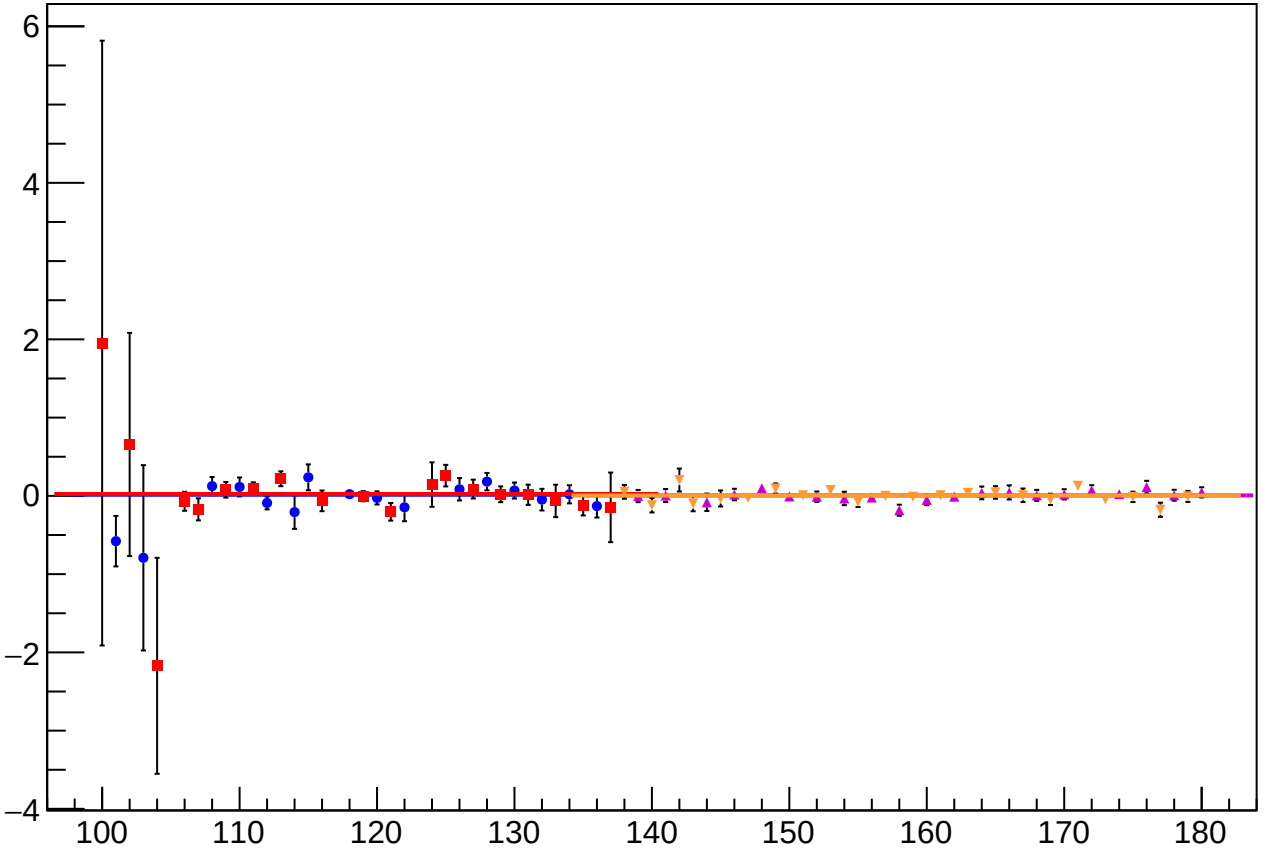
Left In: 58.117+/-0.011 χ^2/NDF:641942.6/20

+ sign 55.141+/-0.009 χ^2/NDF: 4474851.6/37

All: 57.038+/-0.007 χ^2/NDF: 7865078.0/77

- 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: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

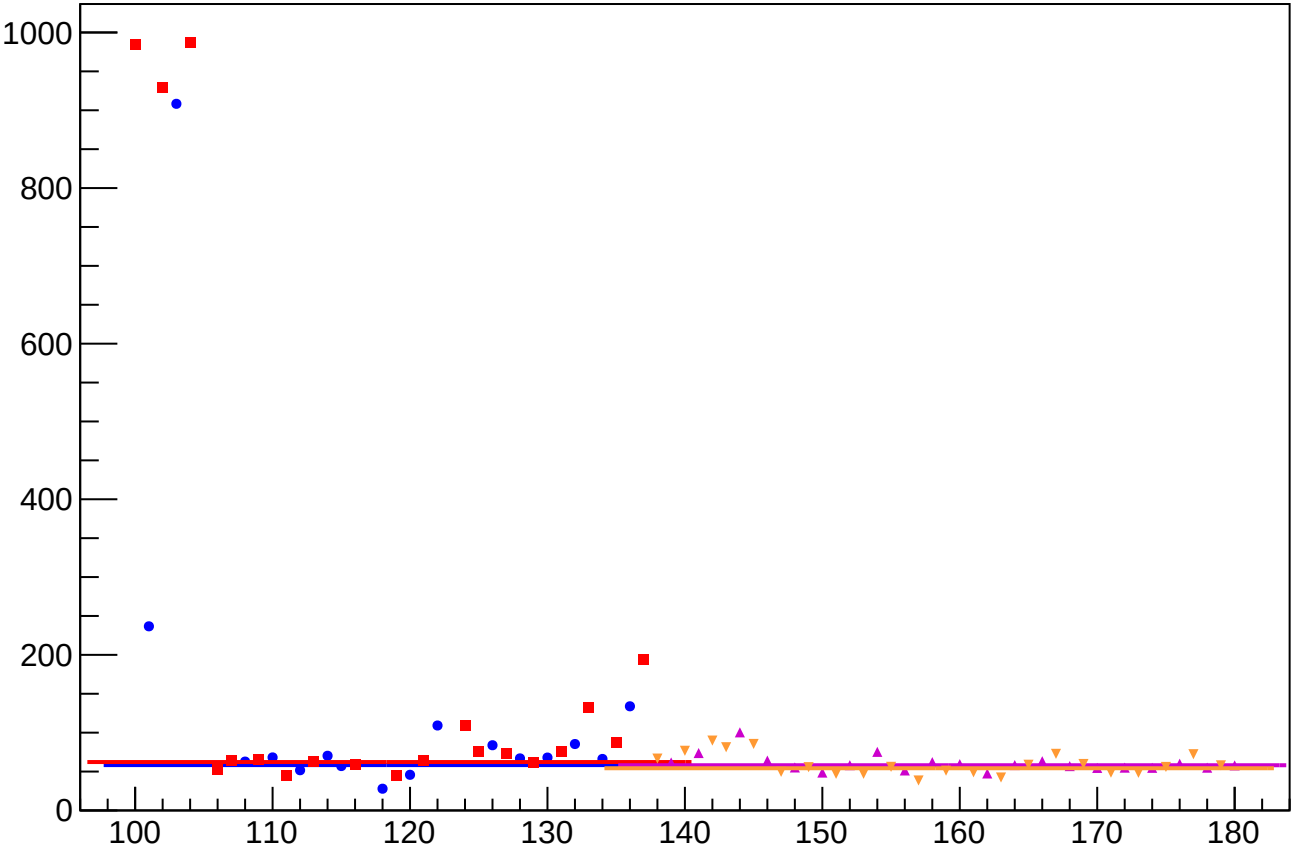
Left In: 0.006+/-0.015 χ^2/NDF:14.7/20

\+ sign 0.007+/-0.013 χ^2/NDF: 35.6/37

All: 0.008+/-0.009 χ^2/NDF: 71.4/77

\- 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: 54.256+/-0.010 χ^2/NDF:1181168.1/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

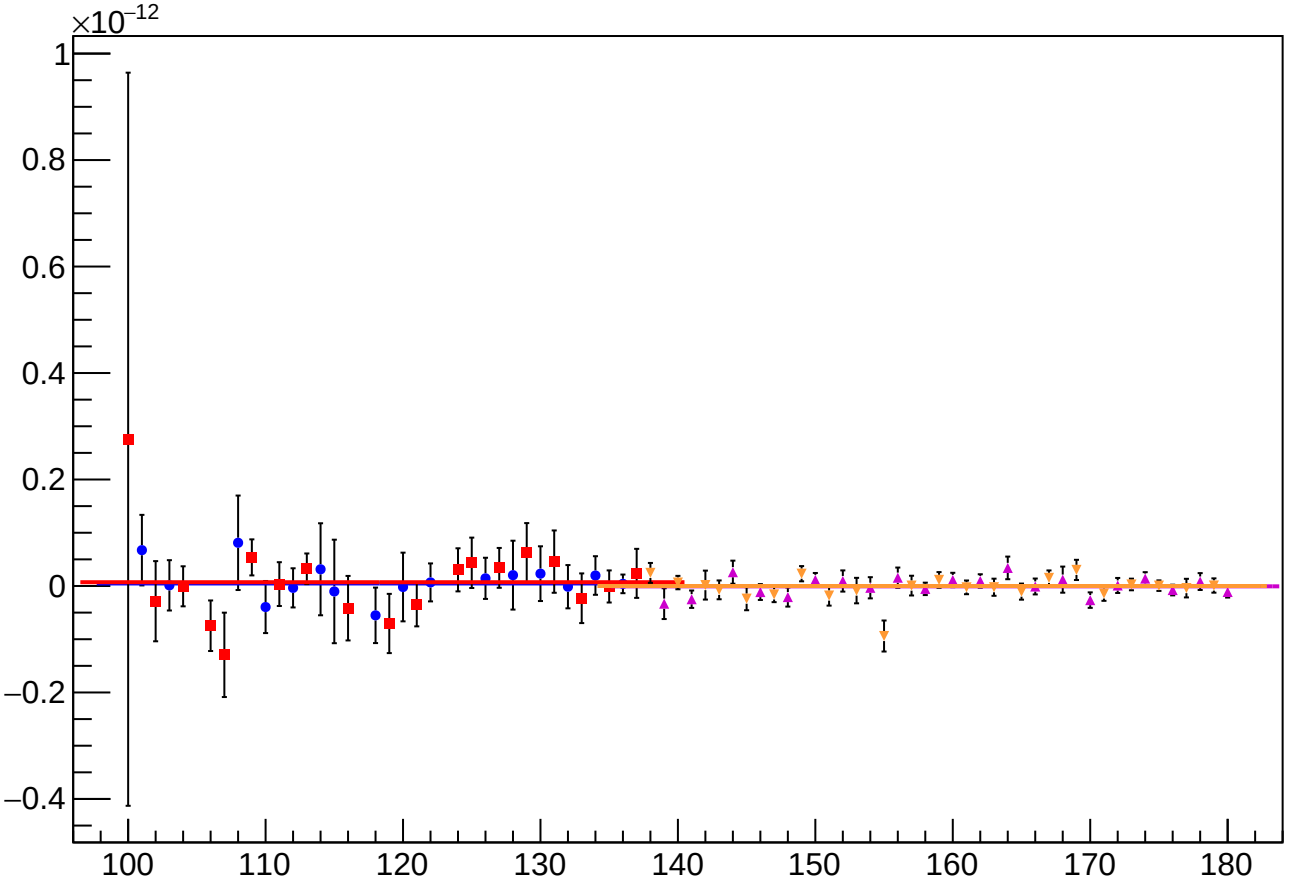
Left In: 58.117+/-0.011 χ^2/NDF:641942.6/20

+ sign 55.141+/-0.009 χ^2/NDF: 4474851.6/37

All: 57.038+/-0.007 χ^2/NDF: 7865078.0/77

- 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:24.6/21

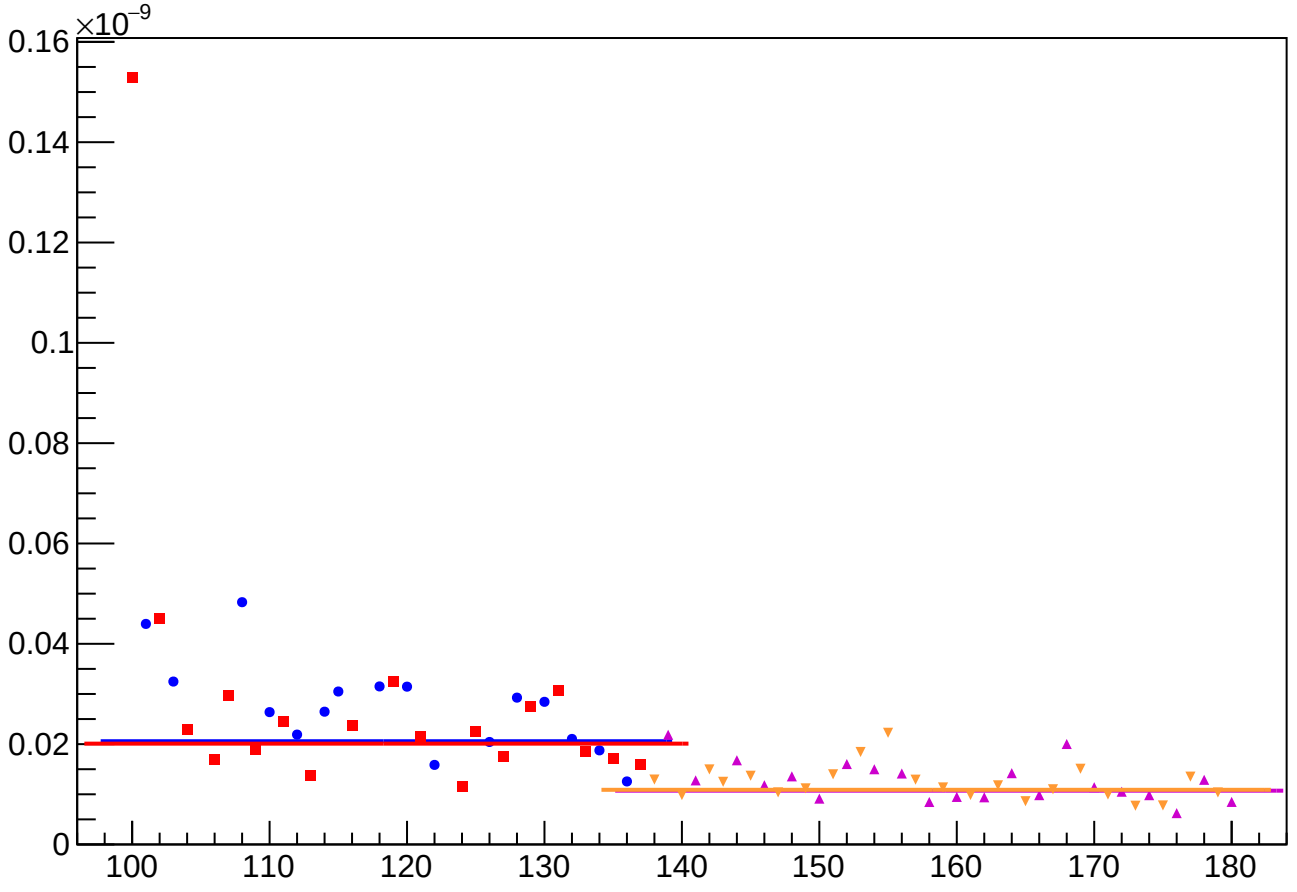
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/37

All: 0.000+/-0.000 χ^2/NDF: 65.5/77

- sign 0.000+/-0.000 χ^2/NDF: 36.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1303648.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

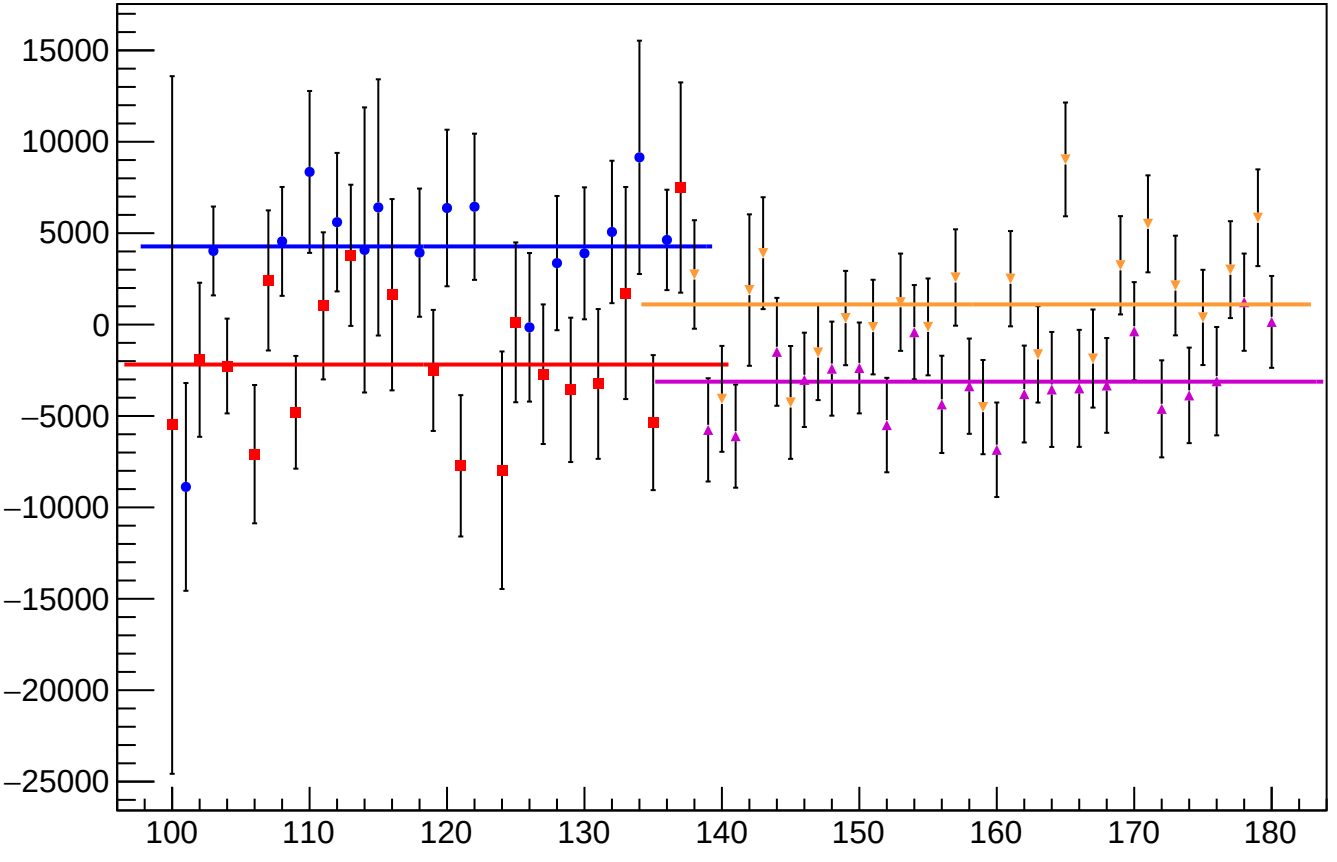
Left In: 0.000+/-0.000 χ^2/NDF:1879876.5/20

\+ sign 0.000+/-0.000 χ^2/NDF: 4243194.3/37

All: 0.000+/-0.000 χ^2/NDF: 8498011.0/77

\- sign 0.000+/-0.000 χ^2/NDF: 4250712.8/39

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.624+/-586.309 χ^2/NDF:30.4/21

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

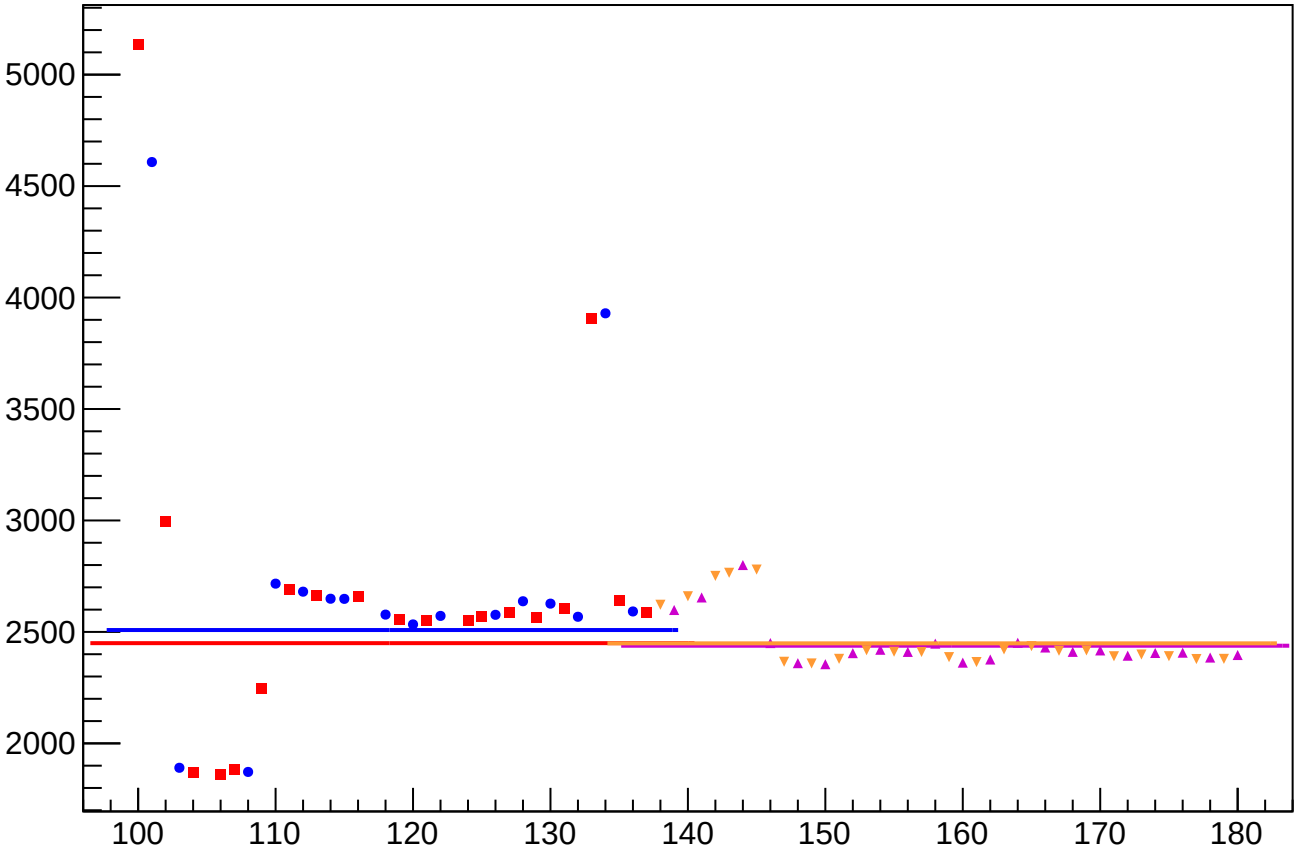
Left In: -3123.076+/-587.451 χ^2/NDF:12.6/20

+ sign 1975.622+/-499.220 χ^2/NDF: 47.3/37

All: -456.803+/-351.661 χ^2/NDF: 122.6/77

- 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: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

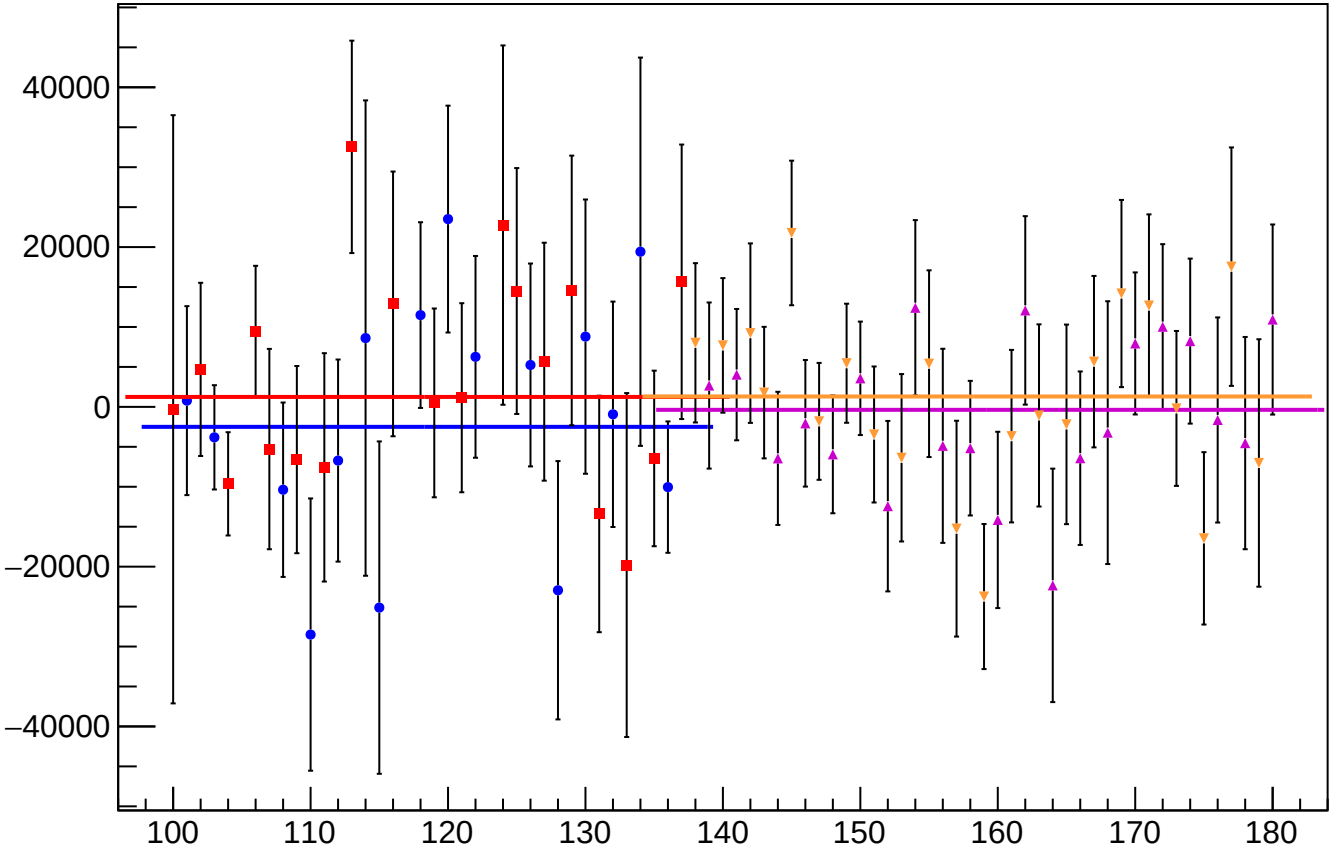
Left In: 2438.096+/-0.415 χ^2/NDF:58747.7/20

+ sign 2465.195+/-0.353 χ^2/NDF: 706245.2/37

All: 2453.219+/-0.249 χ^2/NDF: 1204400.7/77

- 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: 1300.731+/-2142.741 χ^2/NDF:24.1/21

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

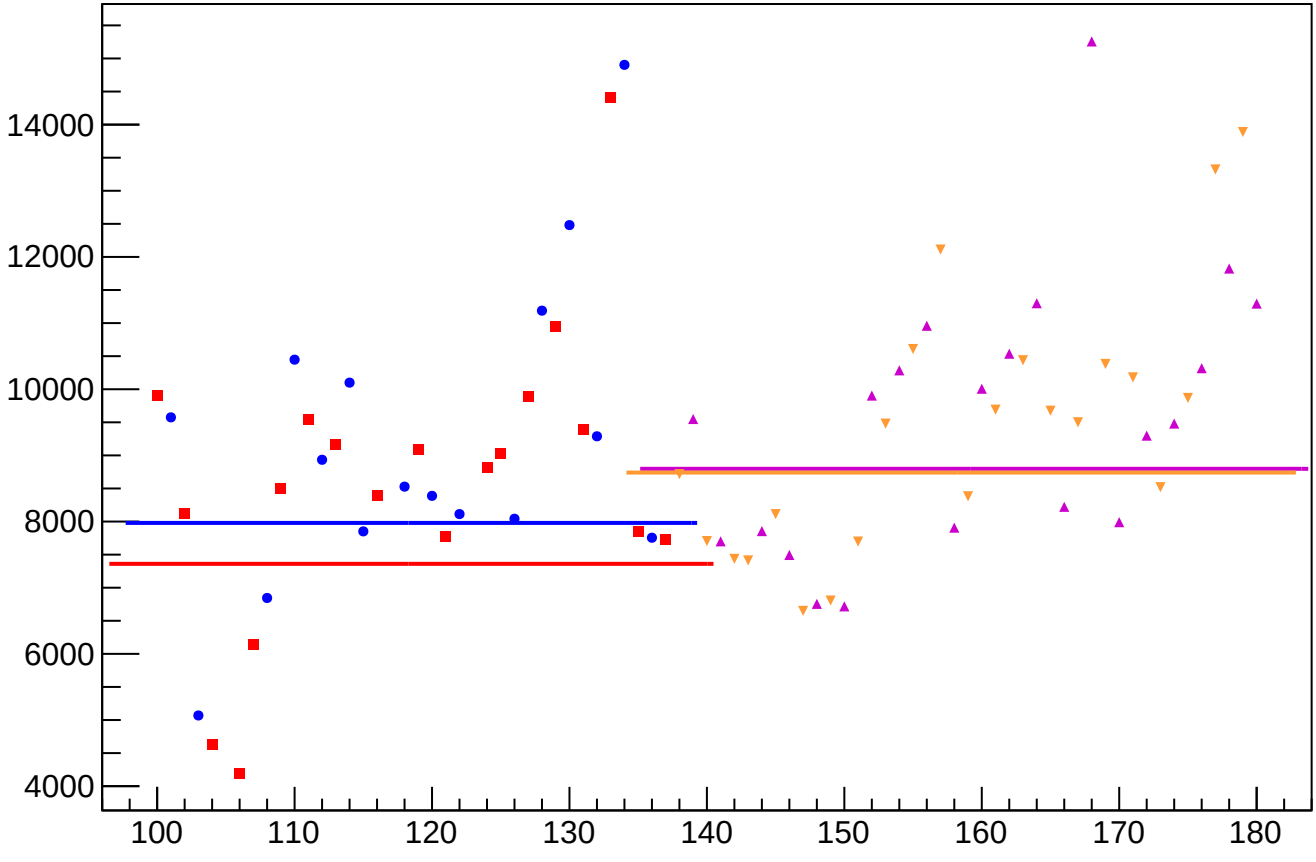
Left In: -370.306+/-2166.587 χ^2/NDF:13.8/20

+ sign 58.556+/-1758.128 χ^2/NDF: 38.9/37

All: 140.971+/-1231.446 χ^2/NDF: 69.5/77

- 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: 8740.619+/-1.515 χ^2/NDF:1220268.9/21

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

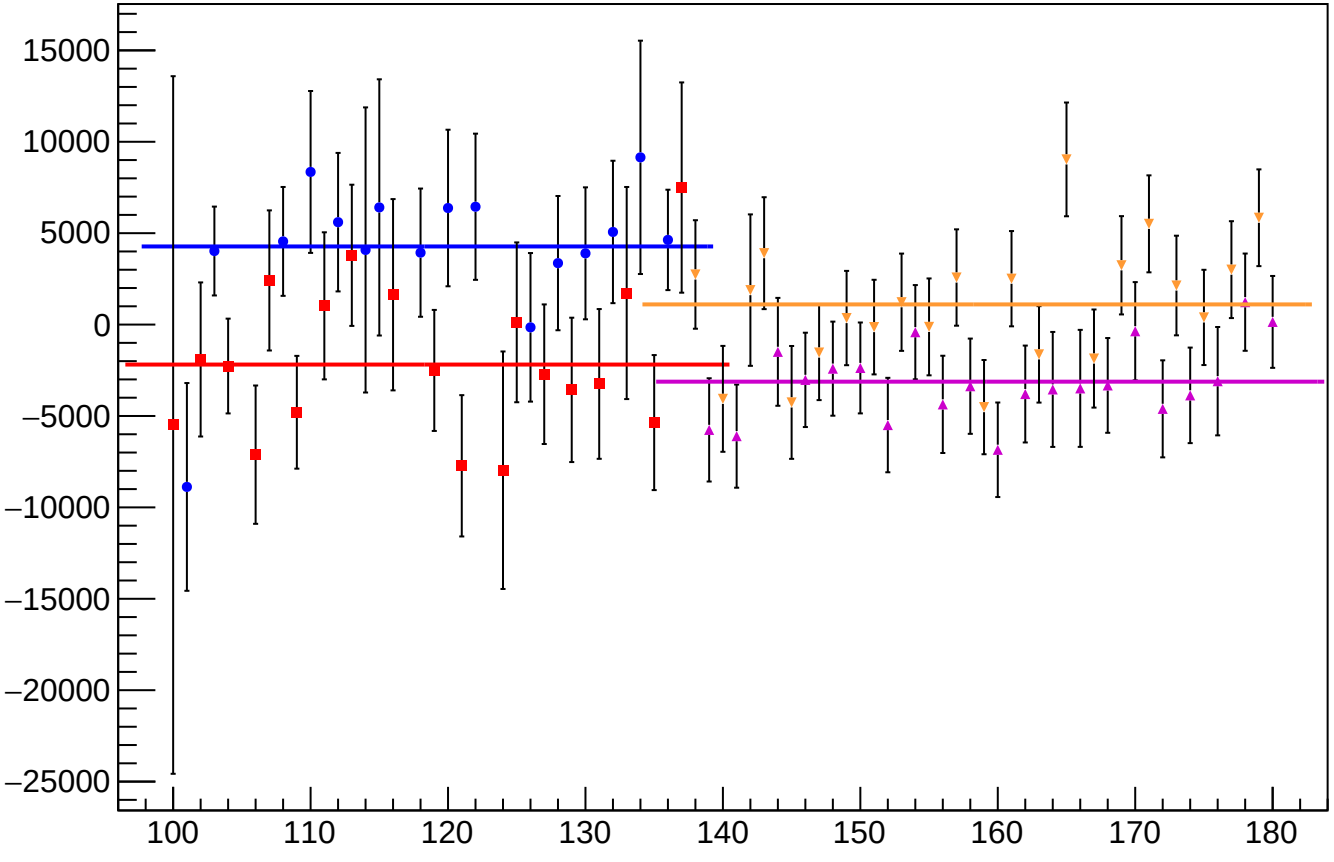
Left In: 8797.308+/-1.532 χ^2/NDF:1284785.7/20

+ sign 8491.902+/-1.243 χ^2/NDF: 2225815.3/37

All: 8379.784+/-0.871 χ^2/NDF: 5134223.5/77

- 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: 1103.489+/-586.309 χ^2/NDF:30.4/21

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

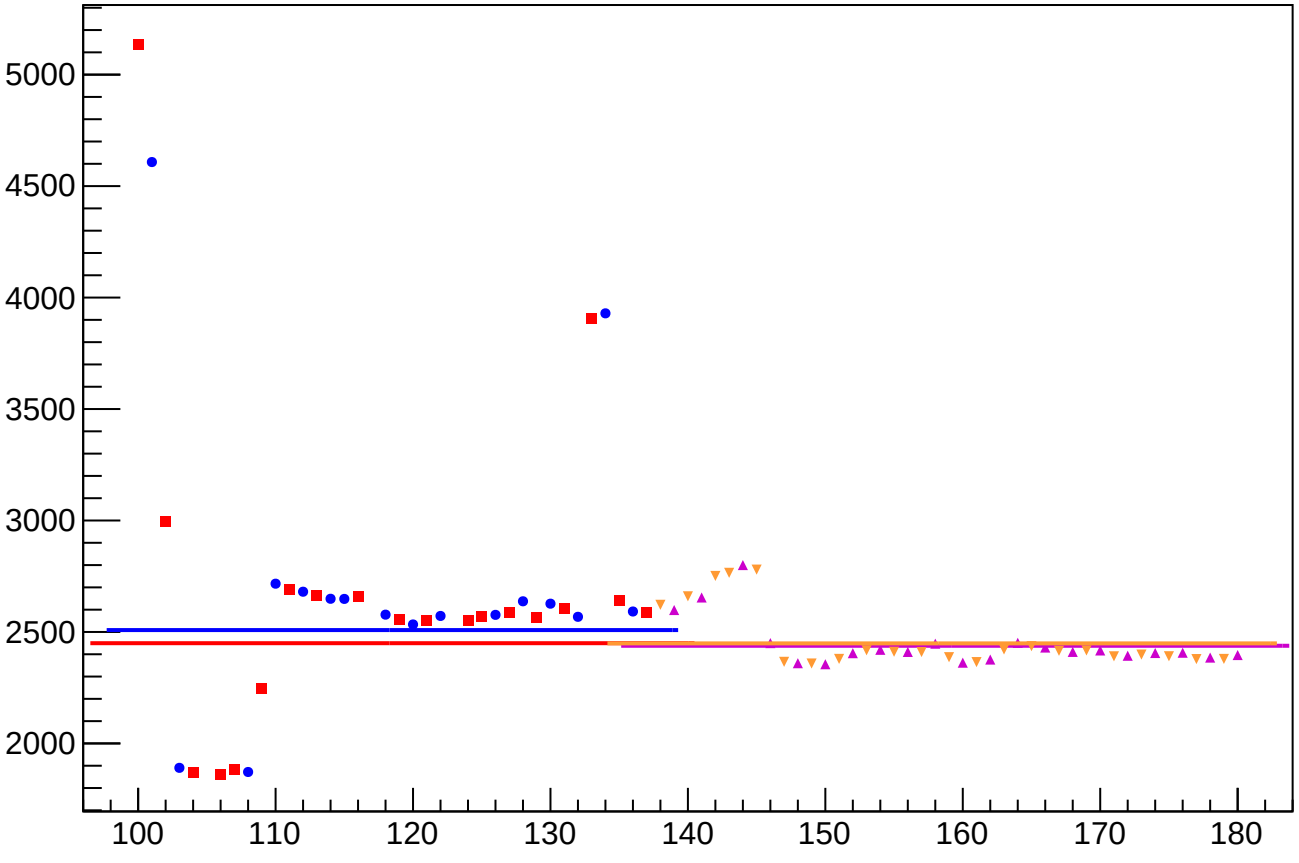
Left In: -3122.915+/-587.451 χ^2/NDF:12.6/20

+ sign 1975.389+/-499.220 χ^2/NDF: 47.3/37

All: -456.948+/-351.662 χ^2/NDF: 122.7/77

- 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: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

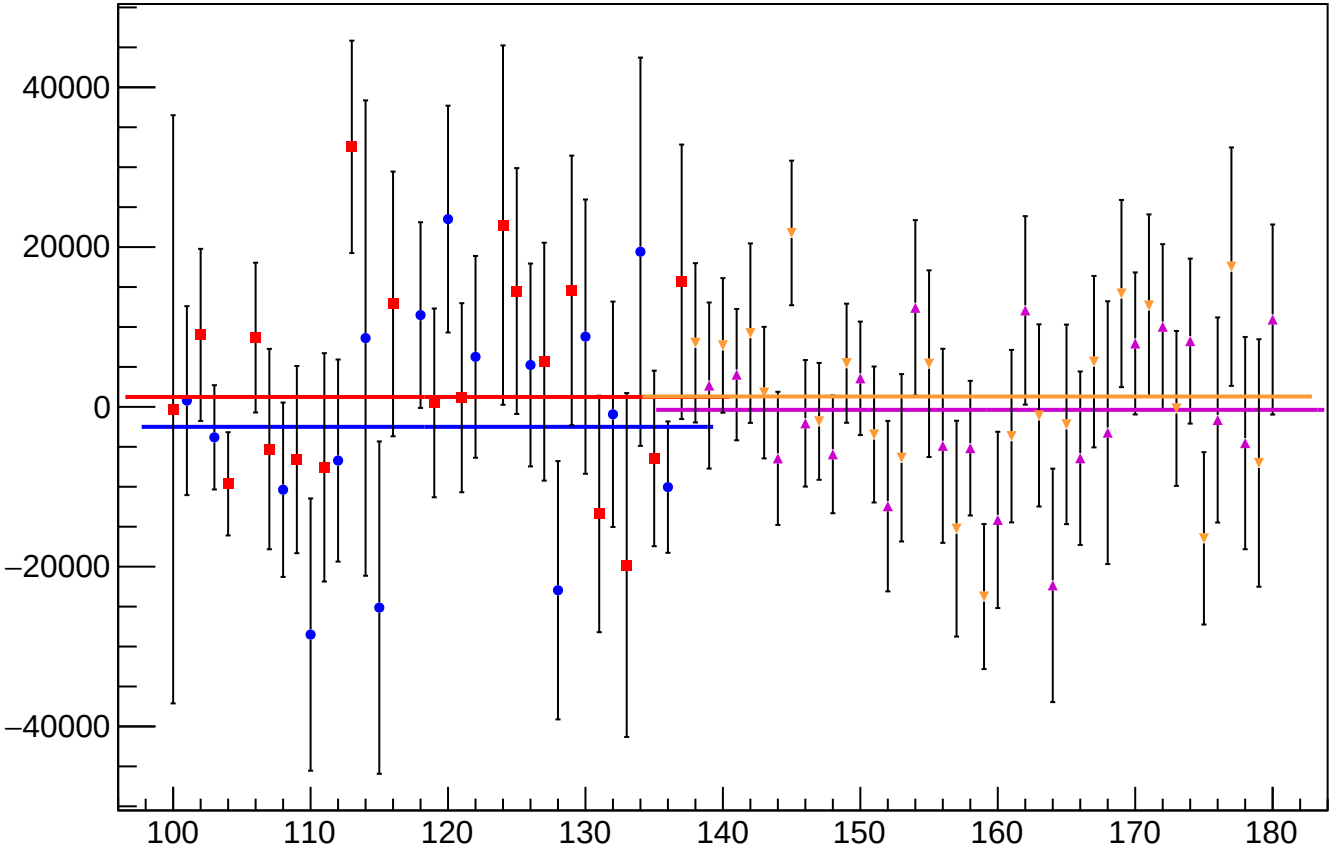
Left In: 2438.096+/-0.415 χ^2/NDF:58747.7/20

+ sign 2465.195+/-0.353 χ^2/NDF: 706243.2/37

All: 2453.223+/-0.249 χ^2/NDF: 1204344.0/77

- 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: 1300.737+/-2142.738 χ^2/NDF:24.1/21

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

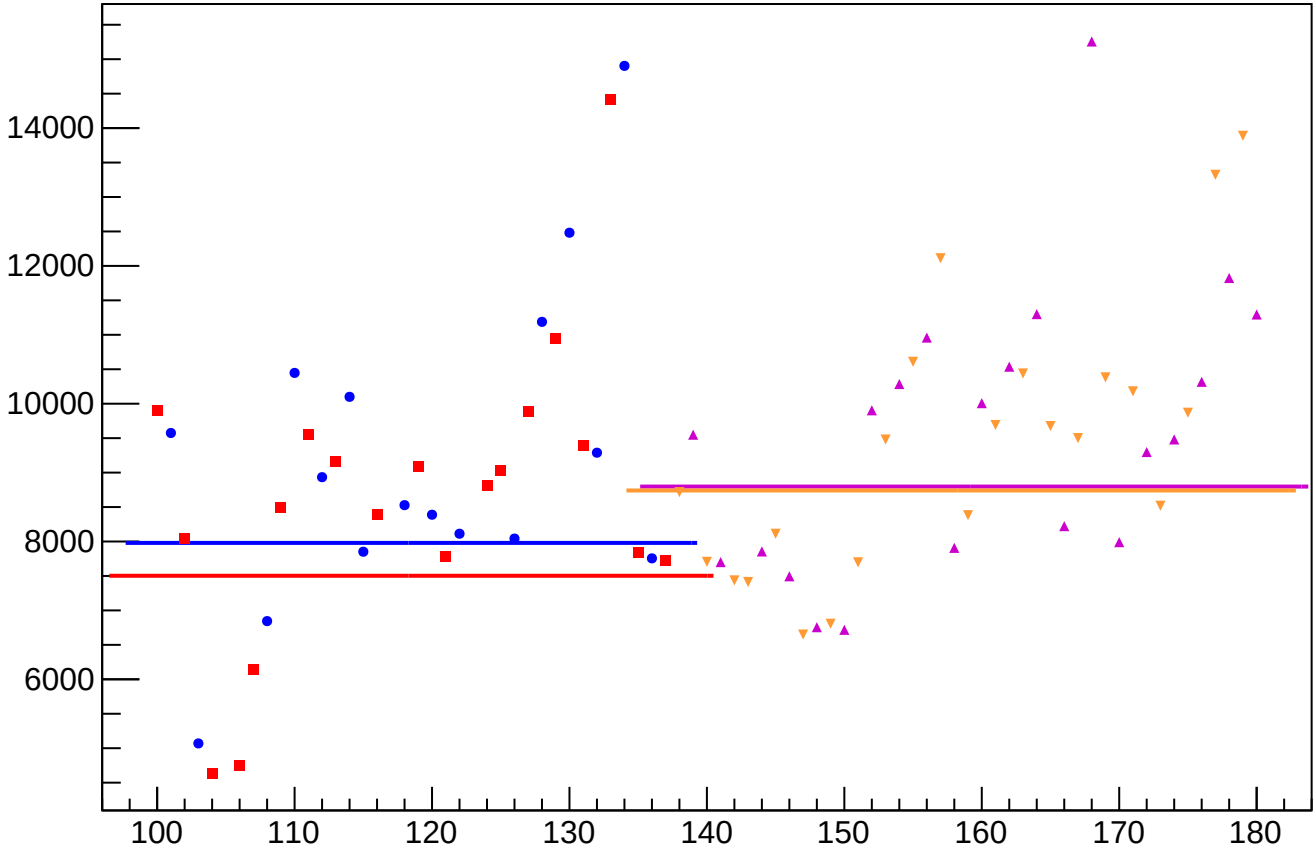
Left In: -370.277+/-2166.586 χ^2/NDF:13.8/20

+ sign 58.684+/-1758.142 χ^2/NDF: 38.9/37

All: 134.455+/-1234.671 χ^2/NDF: 69.5/77

- sign 208.184+/-1734.279 χ^2/NDF: 30.6/39

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8740.605+/-1.515 χ^2/NDF:1220279.2/21

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

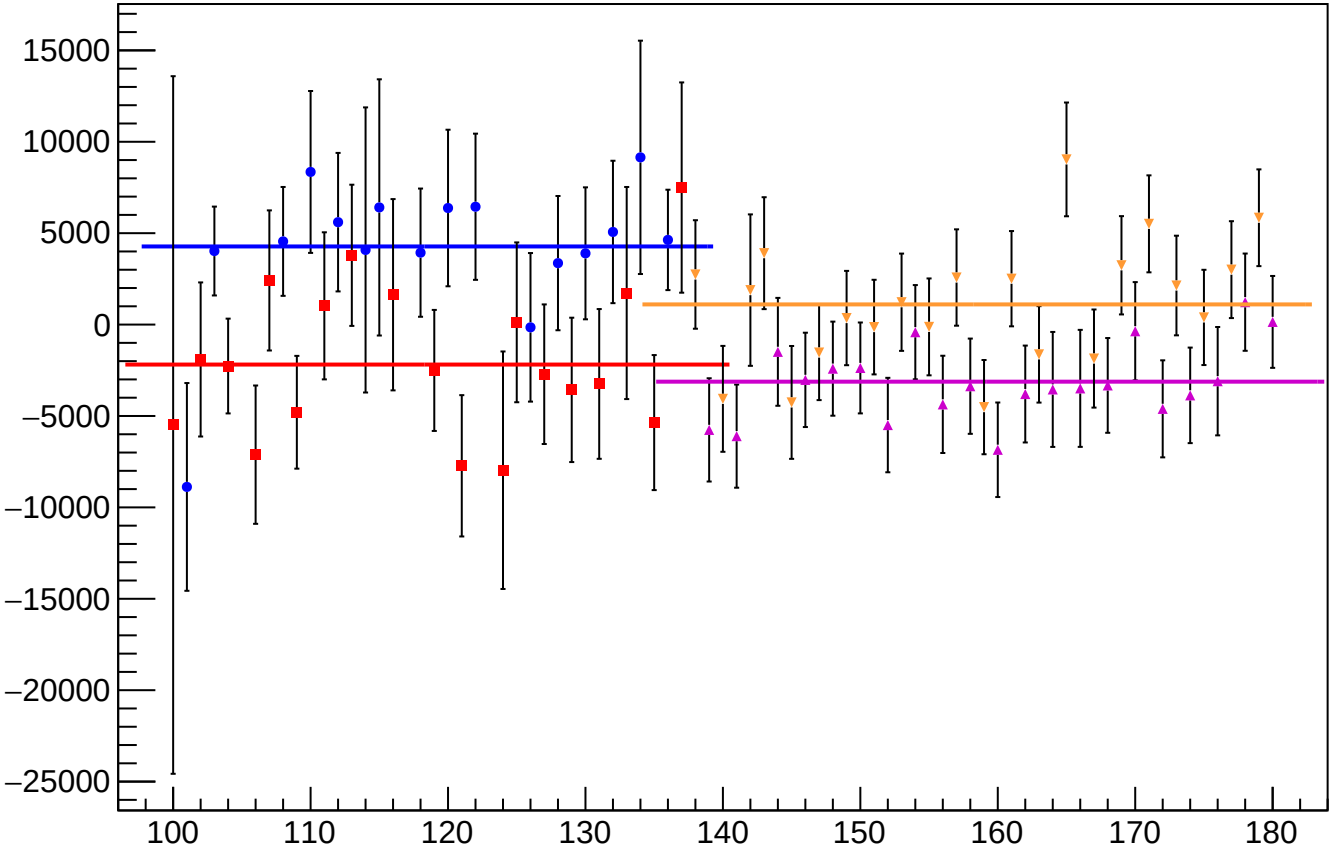
Left In: 8797.304+/-1.532 χ^2/NDF:1284786.7/20

+ sign 8492.008+/-1.243 χ^2/NDF: 2225450.8/37

All: 8411.016+/-0.873 χ^2/NDF: 4910680.3/77

- sign 8332.207+/-1.226 χ^2/NDF: 2676855.2/39

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.489+/-586.309 χ^2/NDF:30.4/21

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

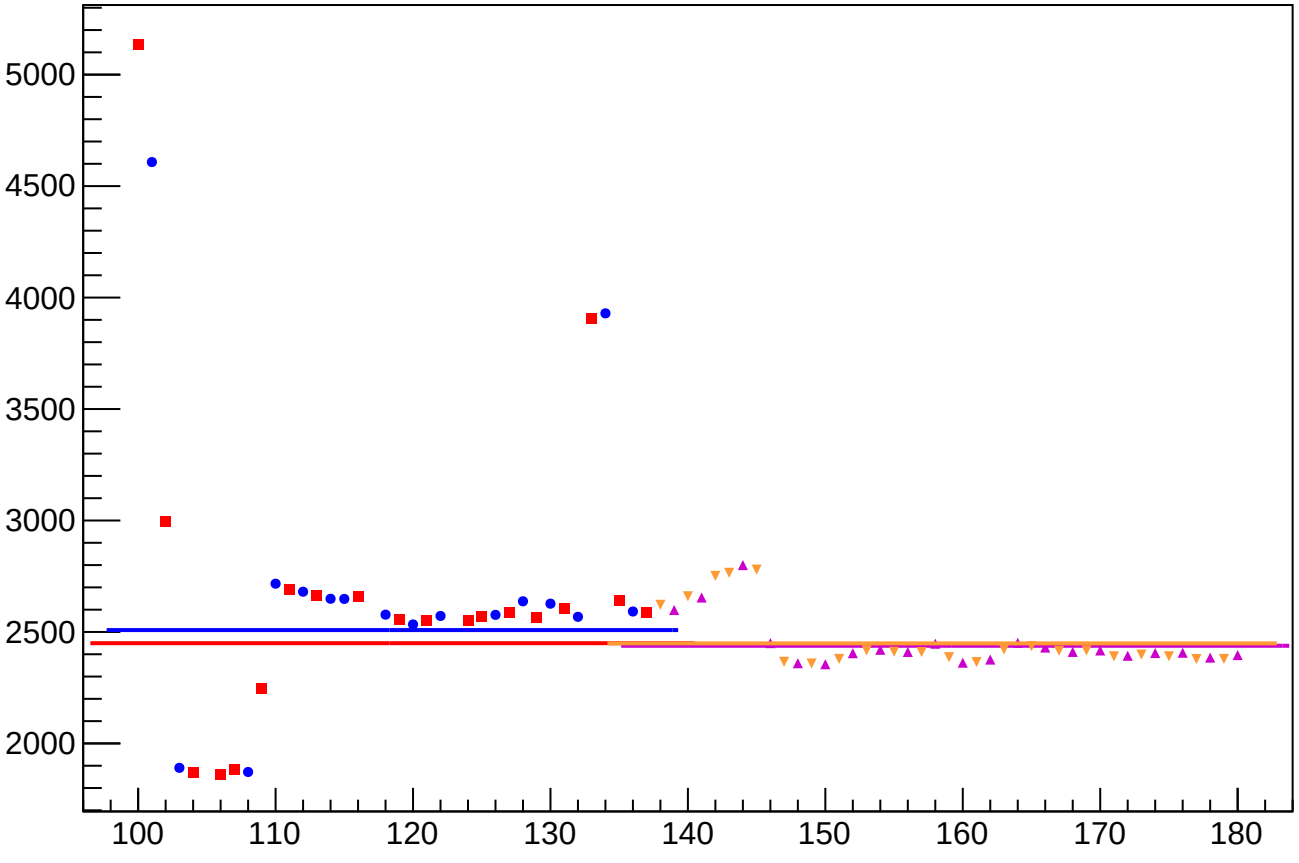
Left In: -3122.915+/-587.451 χ^2/NDF:12.6/20

+ sign 1975.389+/-499.220 χ^2/NDF: 47.3/37

All: -456.948+/-351.662 χ^2/NDF: 122.7/77

- 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: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

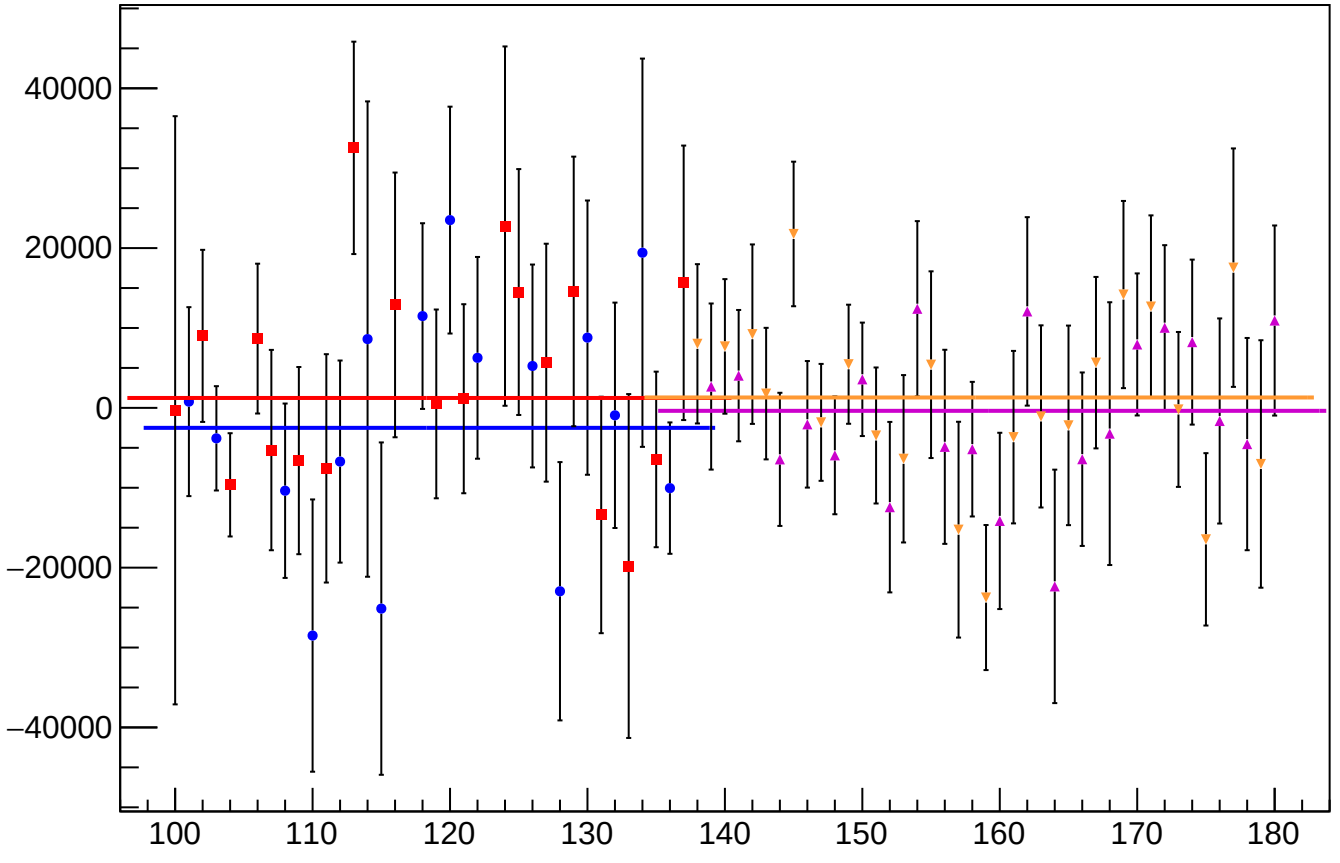
Left In: 2438.096+/-0.415 χ^2/NDF:58747.7/20

+ sign 2465.195+/-0.353 χ^2/NDF: 706243.2/37

All: 2453.223+/-0.249 χ^2/NDF: 1204344.0/77

- 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: 1300.737+/-2142.738 χ^2/NDF:24.1/21

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

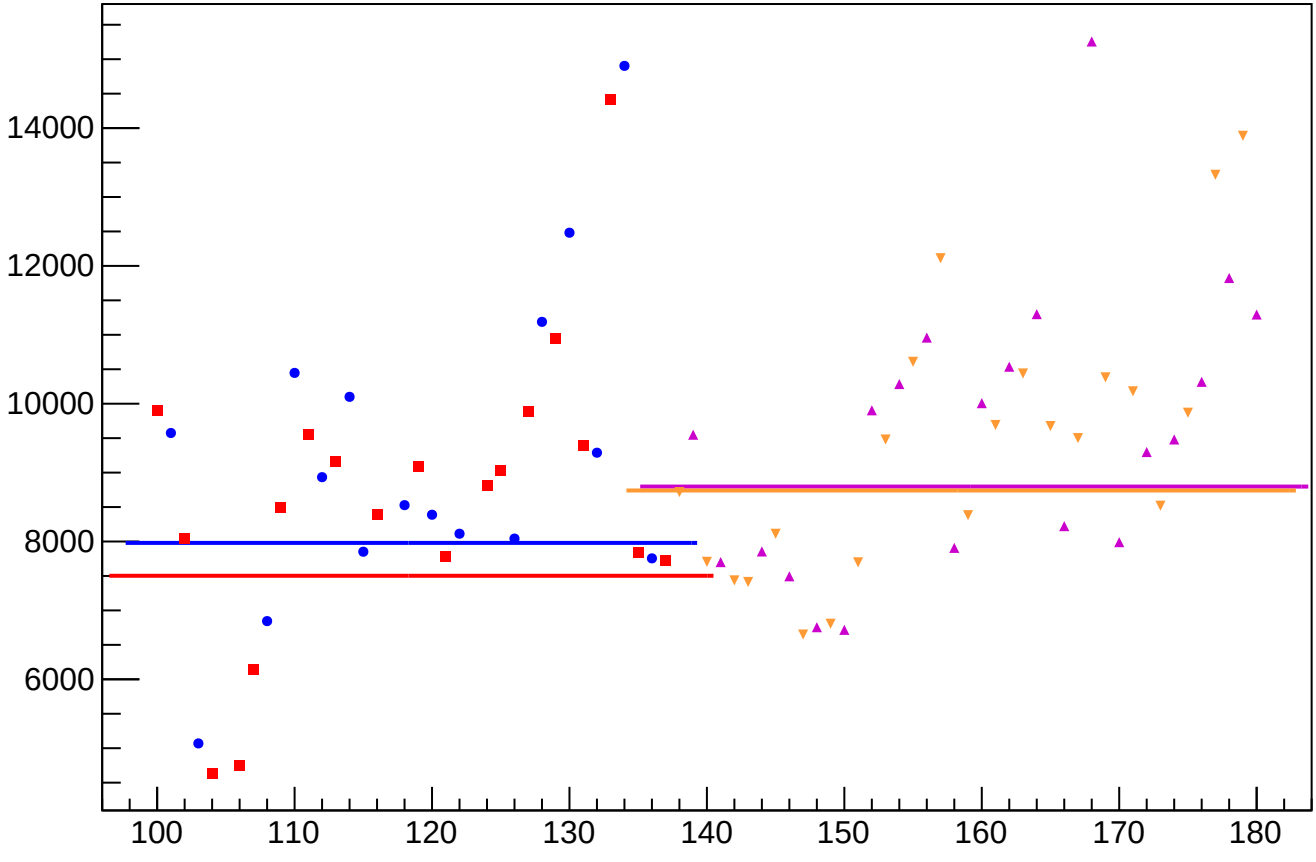
Left In: -370.277+/-2166.586 χ^2/NDF:13.8/20

\+ sign 58.684+/-1758.142 χ^2/NDF: 38.9/37

All: 134.455+/-1234.671 χ^2/NDF: 69.5/77

\- 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: 8740.605+/-1.515 χ^2/NDF:1220279.2/21

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

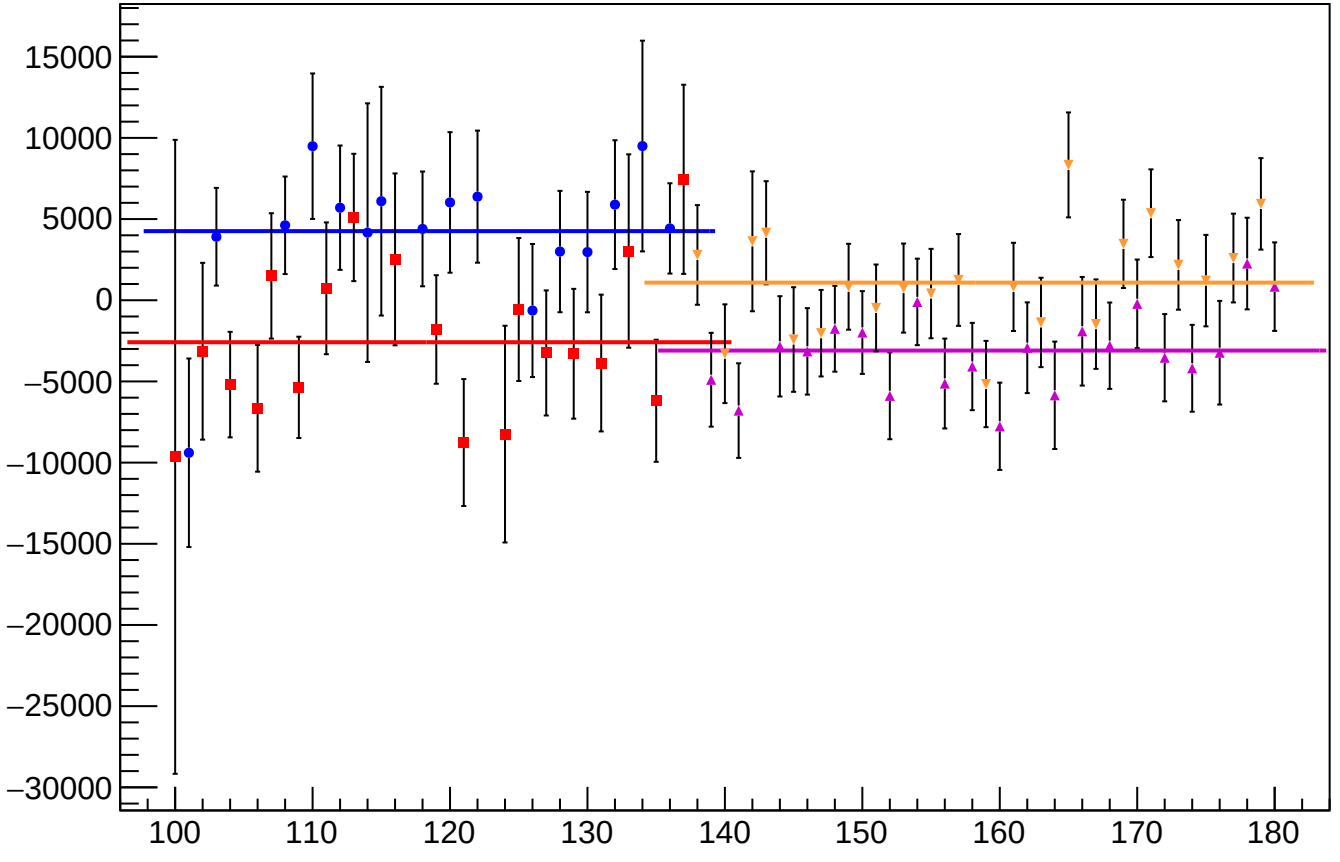
Left In: 8797.304+/-1.532 χ^2/NDF:1284786.7/20

+ sign 8492.008+/-1.243 χ^2/NDF: 2225450.8/37

All: 8411.016+/-0.873 χ^2/NDF: 4910680.3/77

- 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: 1085.515+/-608.240 χ^2/NDF:25.6/21

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

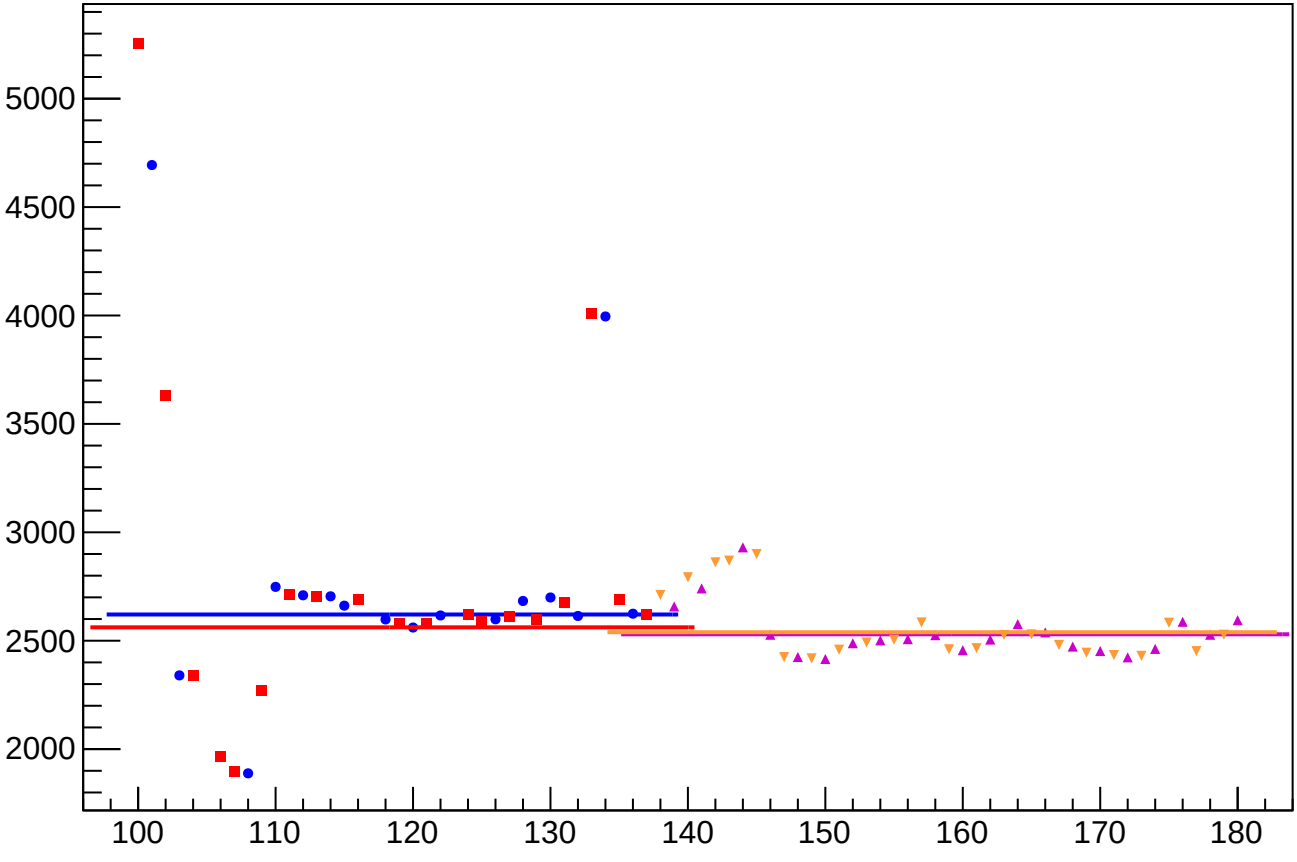
Left In: -3098.488+/-609.745 χ^2/NDF:16.3/20

+ sign 1953.901+/-518.322 χ^2/NDF: 43.1/37

All: -511.893+/-365.552 χ^2/NDF: 122.3/77

- 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: 2539.175+/-0.430 χ^2/NDF:104435.3/21

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

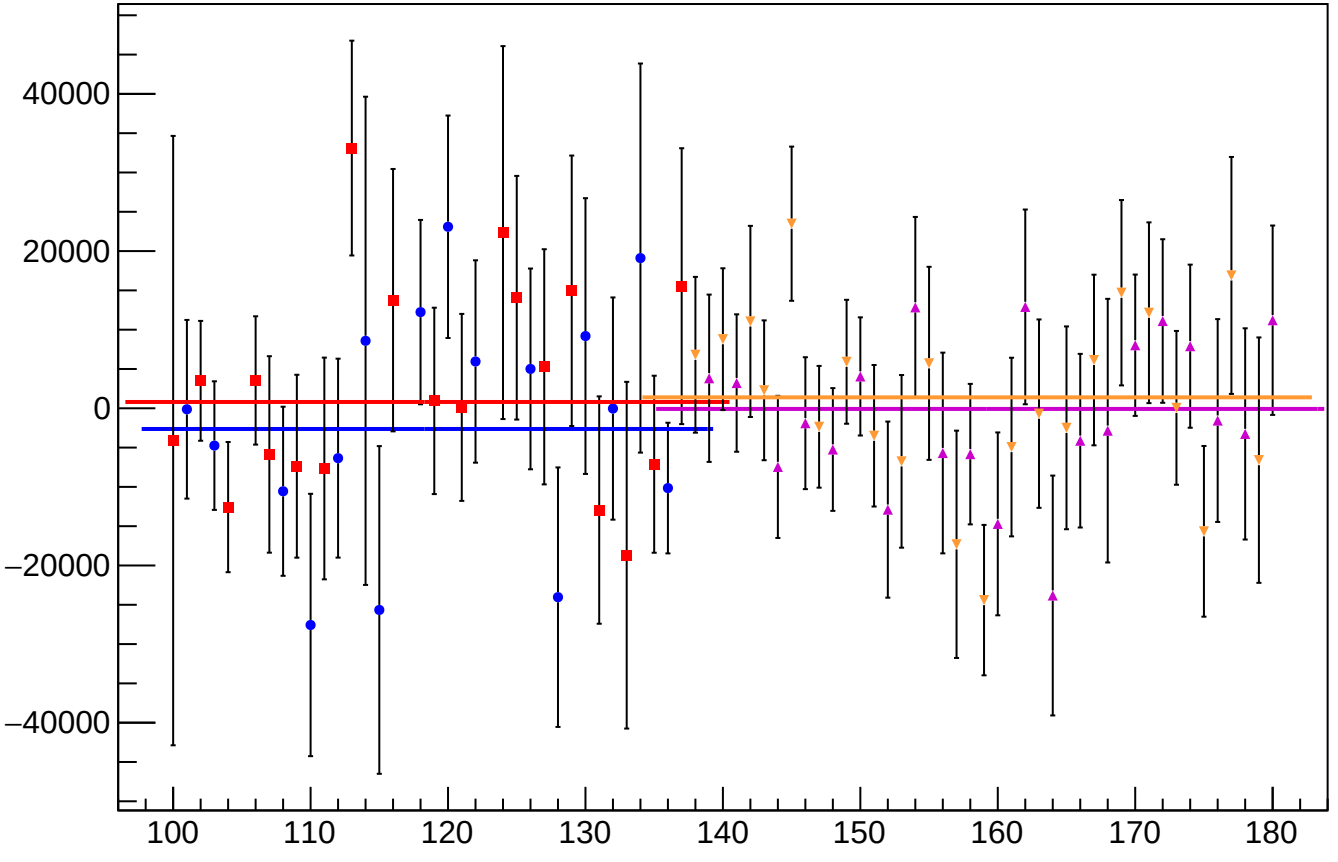
Left In: 2529.616+/-0.431 χ^2/NDF:66950.5/20

+ sign 2561.570+/-0.367 χ^2/NDF: 600251.3/37

All: 2550.108+/-0.258 χ^2/NDF: 1048987.4/77

- 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: 1392.925+/-2239.592 χ^2/NDF:23.7/21

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

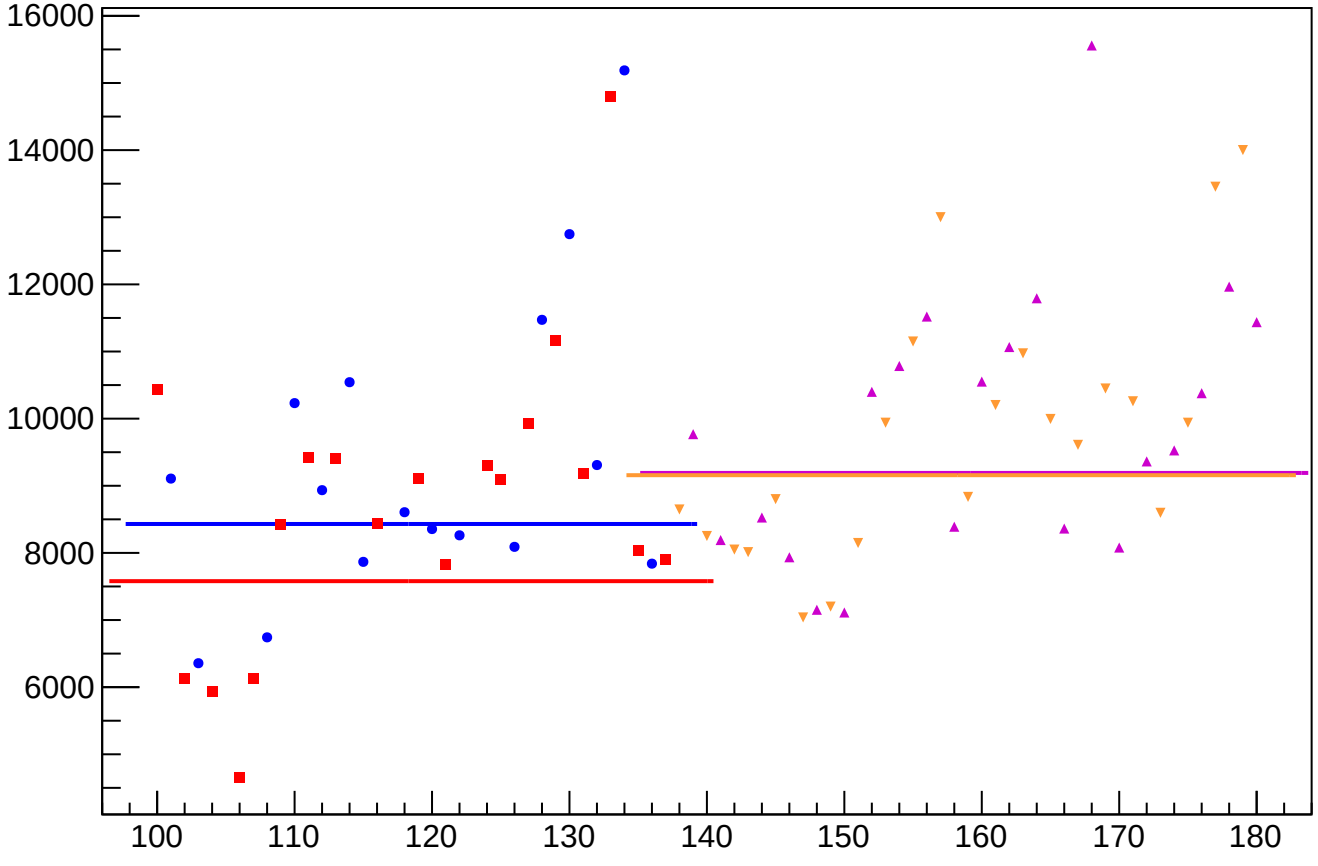
Left In: -81.595+/-2259.299 χ^2/NDF:13.7/20

\+ sign 76.010+/-1837.016 χ^2/NDF: 38.6/37

All: 169.244+/-1276.822 χ^2/NDF: 67.7/77

\- 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: 9157.628+/-1.584 χ^2/NDF:1071448.7/21

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

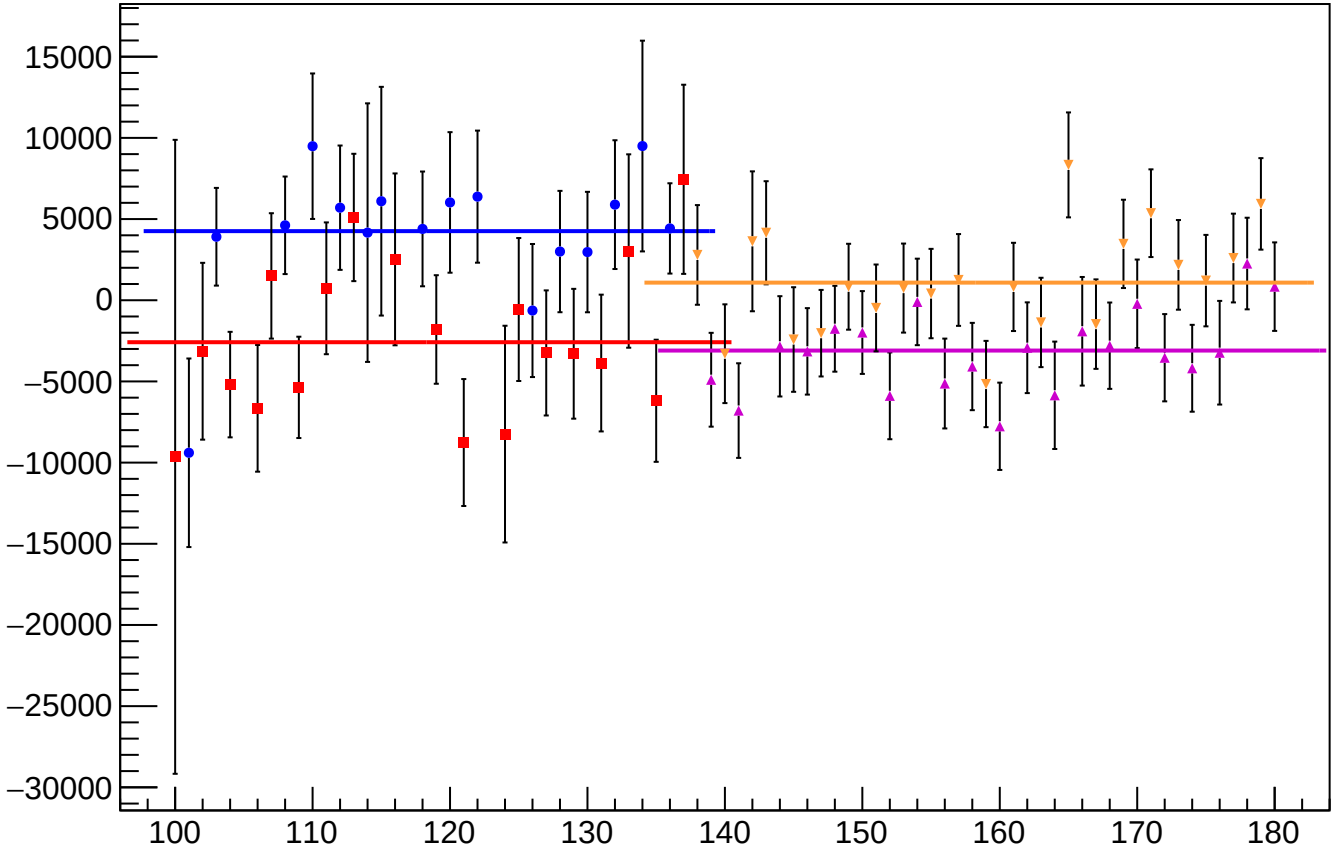
Left In: 9191.333+/-1.598 χ^2/NDF:1157052.2/20

+ sign 8919.802+/-1.299 χ^2/NDF: 1720672.9/37

All: 8741.713+/-0.903 χ^2/NDF: 4277379.3/77

- sign 8575.271+/-1.256 χ^2/NDF: 2520342.5/39

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1085.505+/-608.241 χ^2/NDF:25.6/21

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

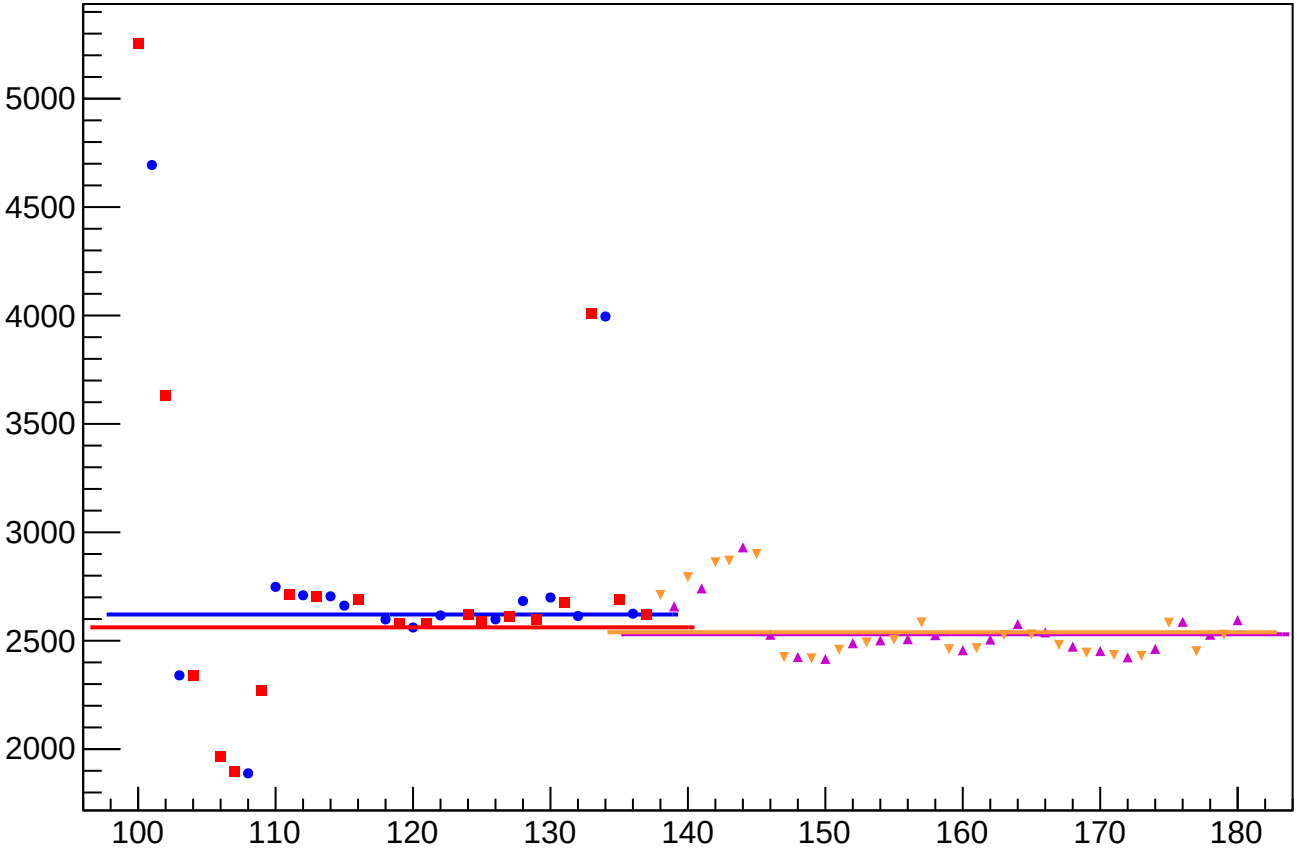
Left In: -3098.488+/-609.746 χ^2/NDF:16.3/20

+ sign 1953.897+/-518.322 χ^2/NDF: 43.1/37

All: -511.897+/-365.553 χ^2/NDF: 122.3/77

- 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: 2539.177+/-0.430 χ^2/NDF:104435.6/21

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

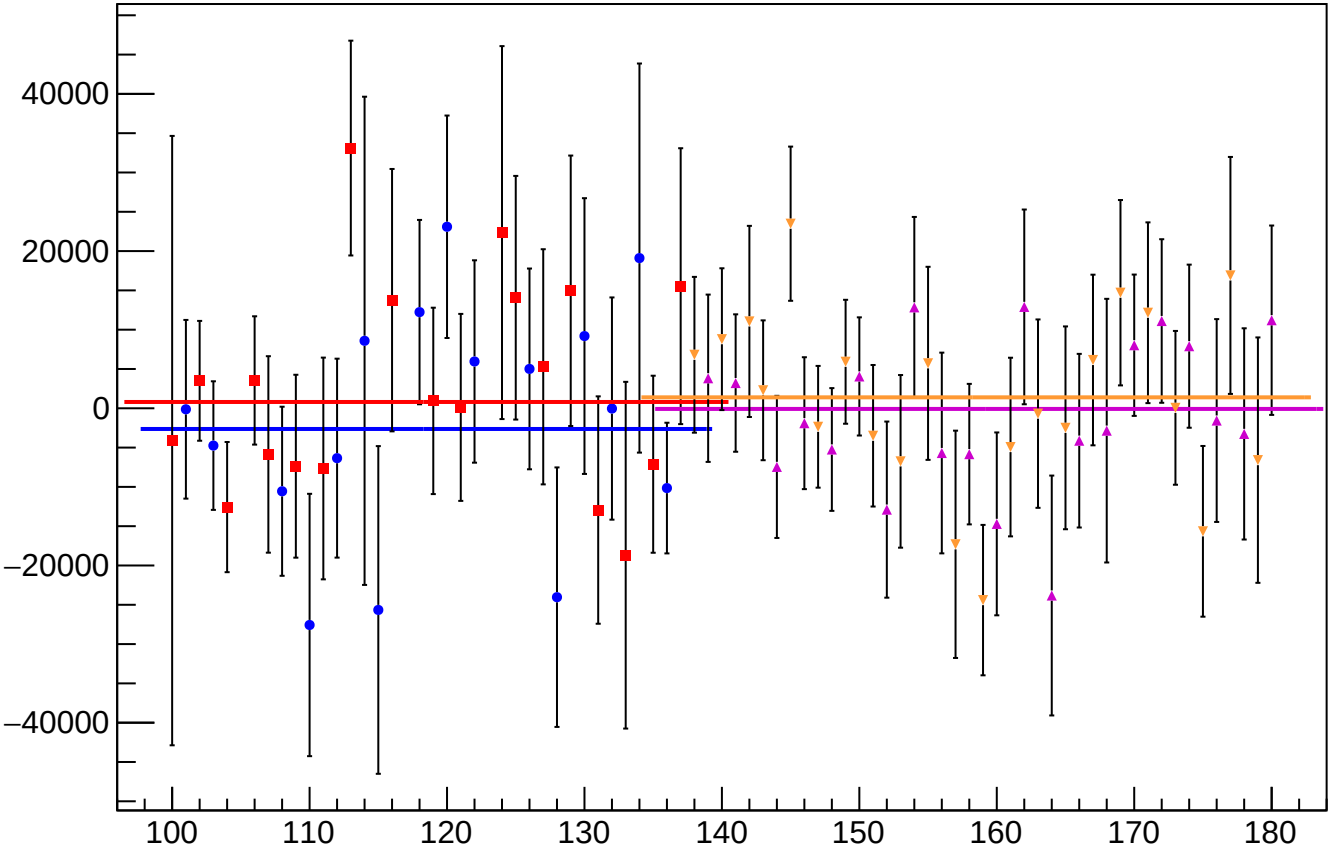
Left In: 2529.618+/-0.431 χ^2/NDF:66950.3/20

+ sign 2561.571+/-0.367 χ^2/NDF: 600251.2/37

All: 2550.110+/-0.258 χ^2/NDF: 1048986.2/77

- sign 2538.771+/-0.365 χ^2/NDF: 446789.6/39

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1392.922+/-2239.596 χ^2/NDF:23.7/21

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

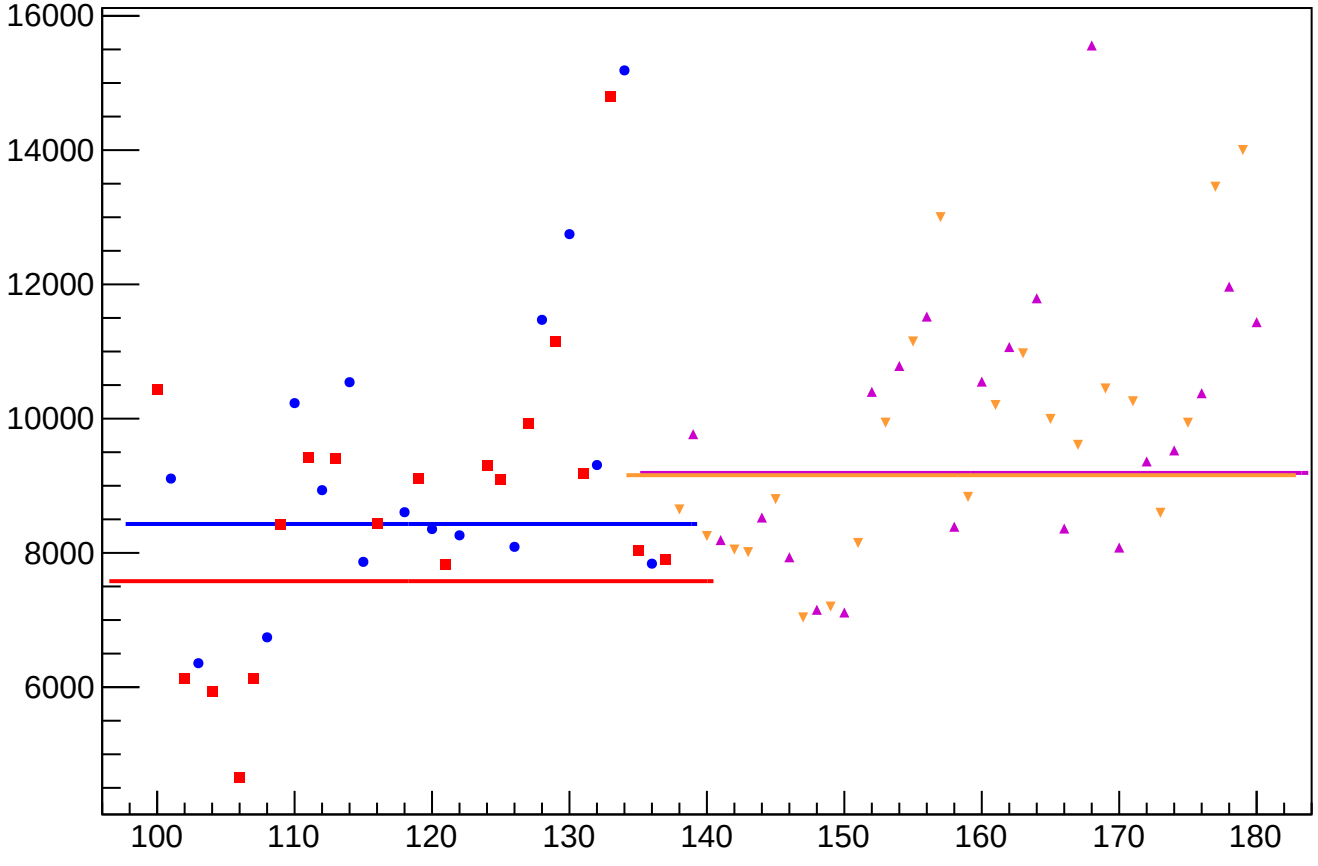
Left In: -81.593+/-2259.303 χ^2/NDF:13.7/20

\+ sign 76.013+/-1837.018 χ^2/NDF: 38.6/37

All: 169.246+/-1276.822 χ^2/NDF: 67.7/77

\- 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: 9157.643+/-1.584 χ^2/NDF:1071450.7/21

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

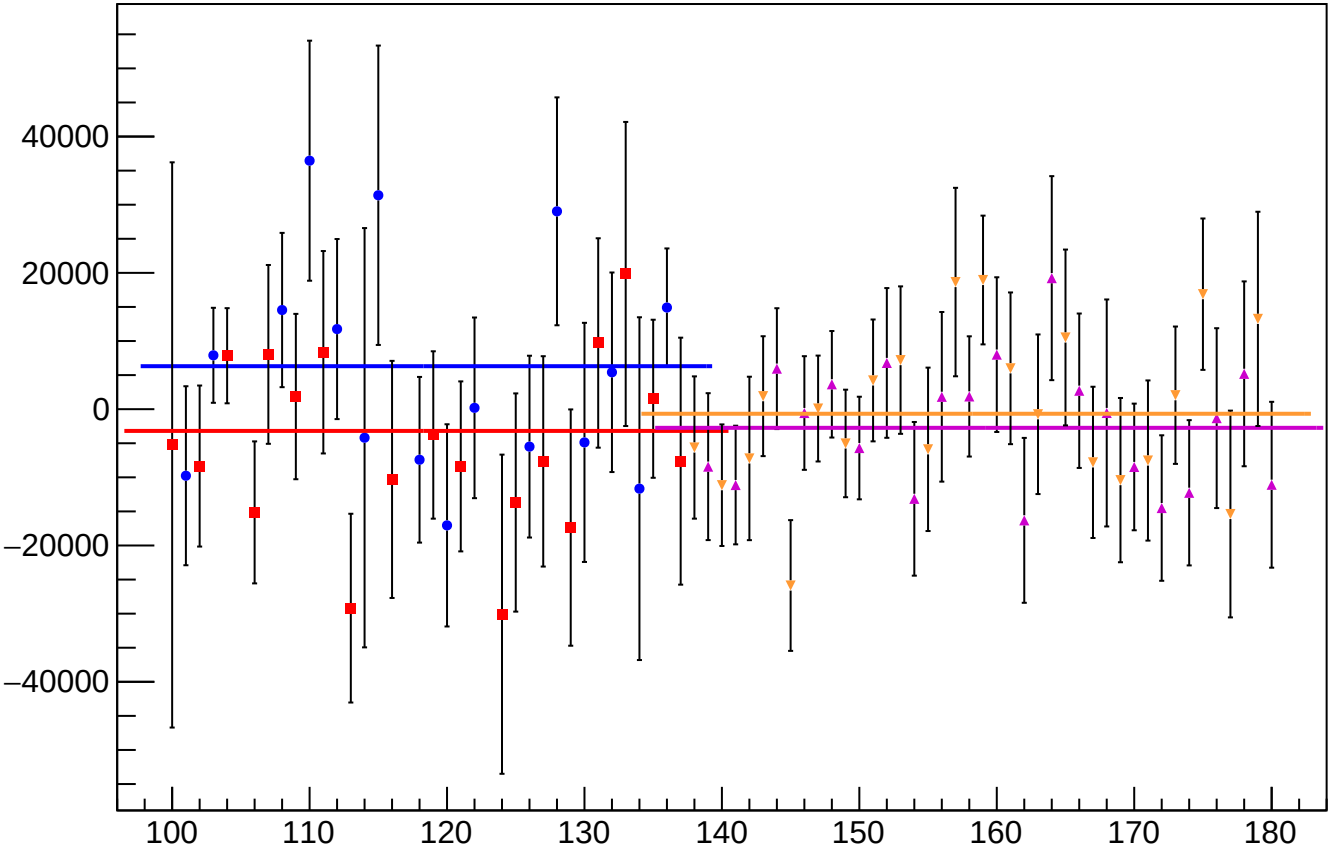
Left In: 9191.348+/-1.598 χ^2/NDF:1157055.8/20

+ sign 8919.808+/-1.299 χ^2/NDF: 1720673.9/37

All: 8741.717+/-0.903 χ^2/NDF: 4277393.8/77

- sign 8575.273+/-1.256 χ^2/NDF: 2520355.3/39

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -672.075+/-2238.485 χ^2/NDF:23.3/21

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

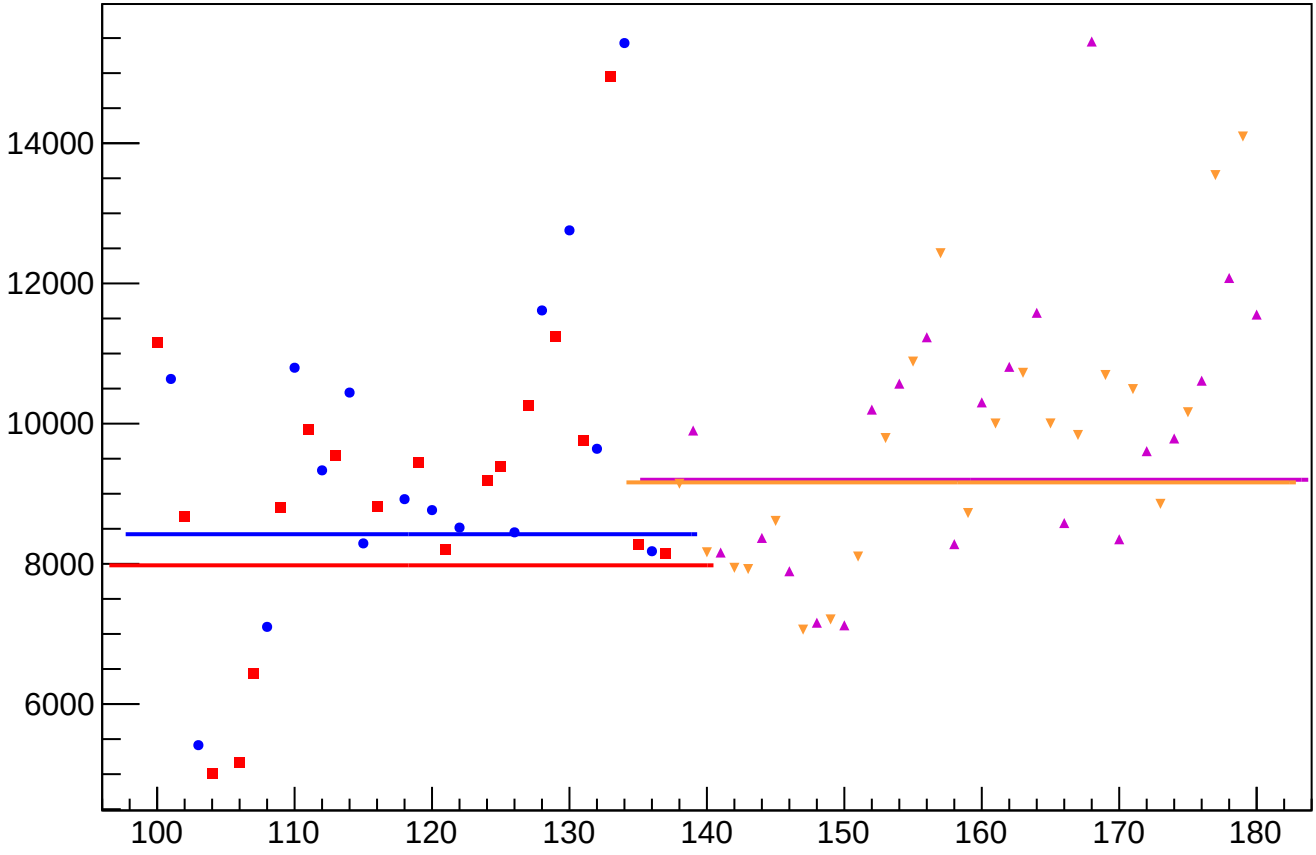
Left In: -2736.860+/-2258.961 χ^2/NDF:12.8/20

+ sign 1583.176+/-1841.631 χ^2/NDF: 41.6/37

All: -683.804+/-1294.225 χ^2/NDF: 71.3/77

- 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: 9162.043+/-1.583 χ^2/NDF:1056023.4/21

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

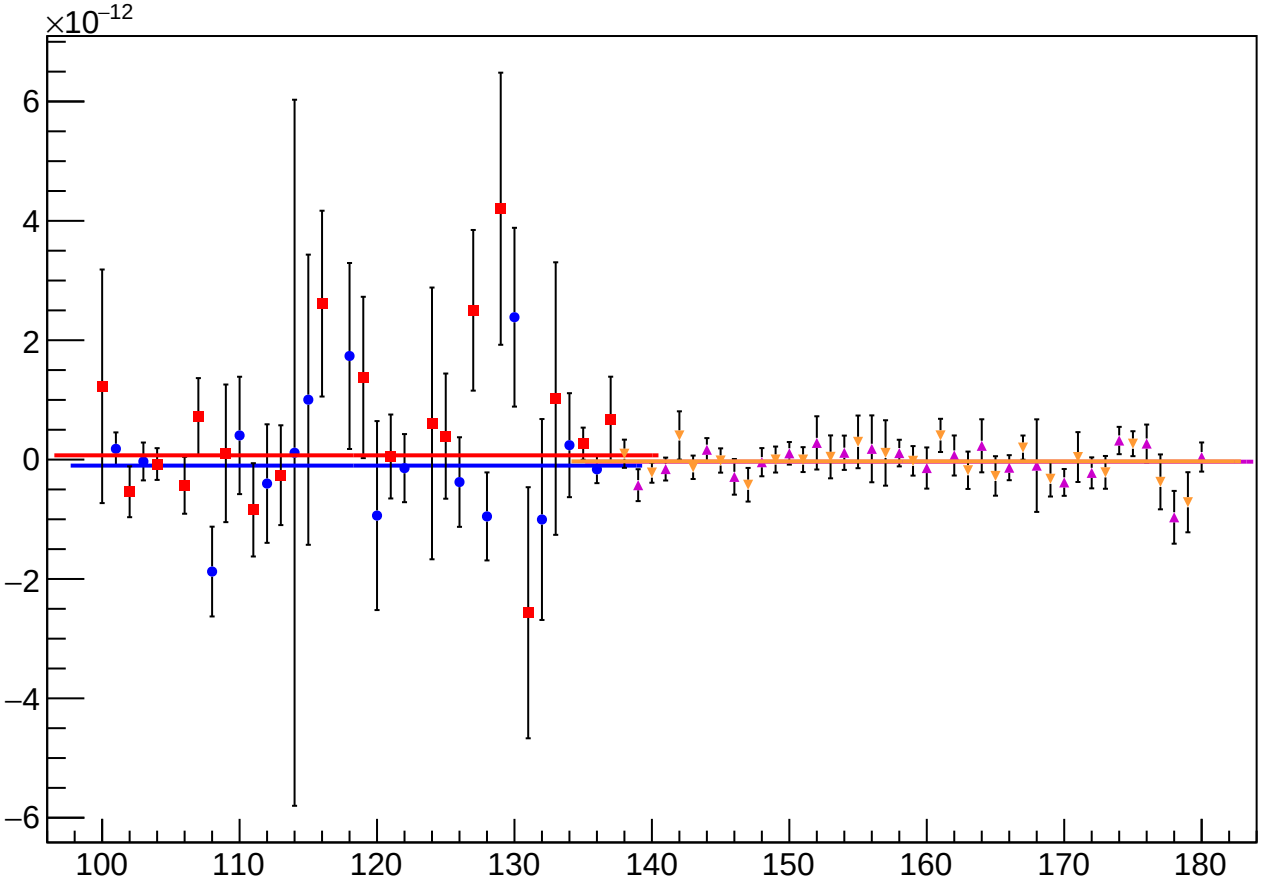
Left In: 9199.479+/-1.597 χ^2/NDF:1119575.0/20

+ sign 8923.135+/-1.302 χ^2/NDF: 2008357.1/37

All: 8845.896+/-0.915 χ^2/NDF: 4356089.9/77

- 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:15.9/21

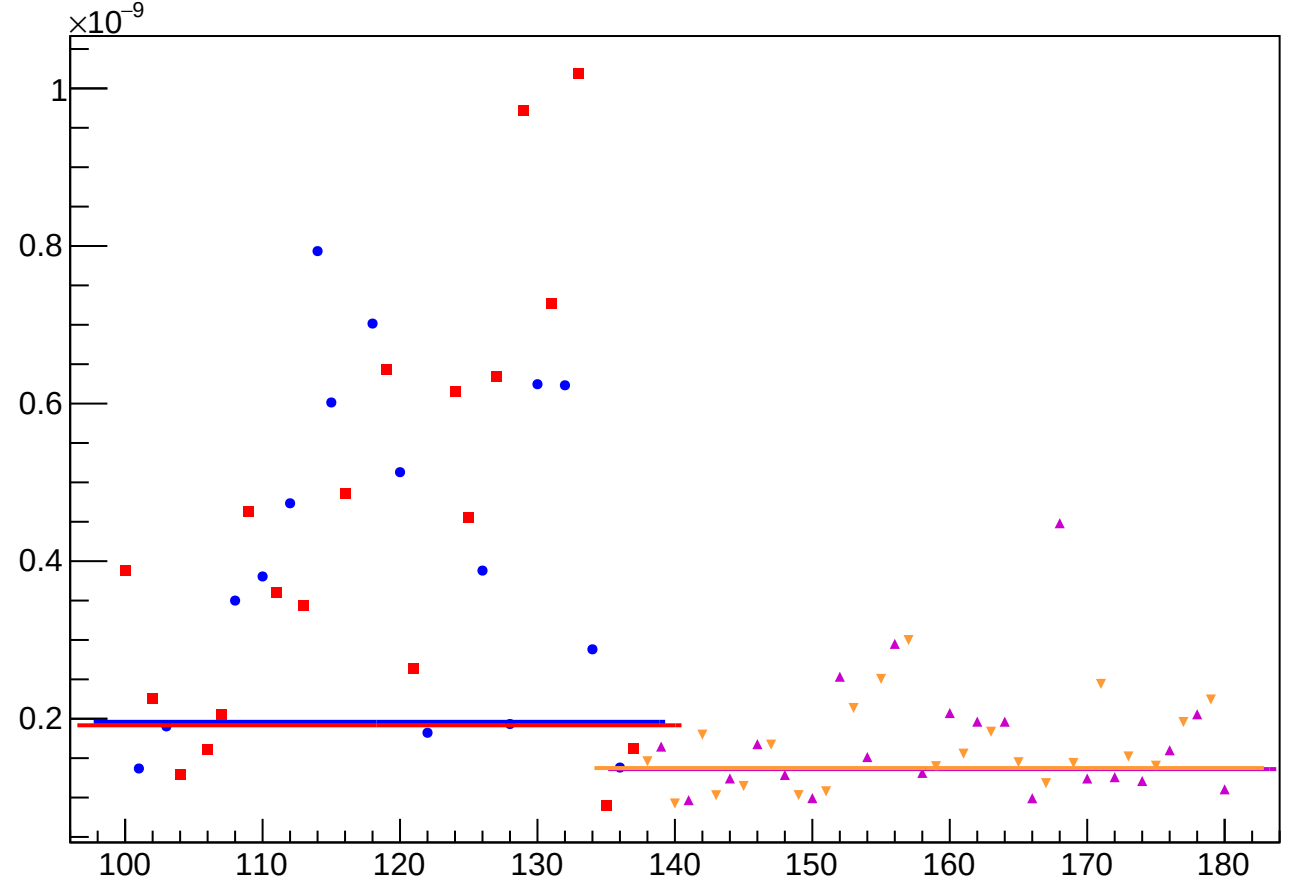
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/37

All: -0.000+/-0.000 χ^2/NDF: 67.8/77

- 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:1061719.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

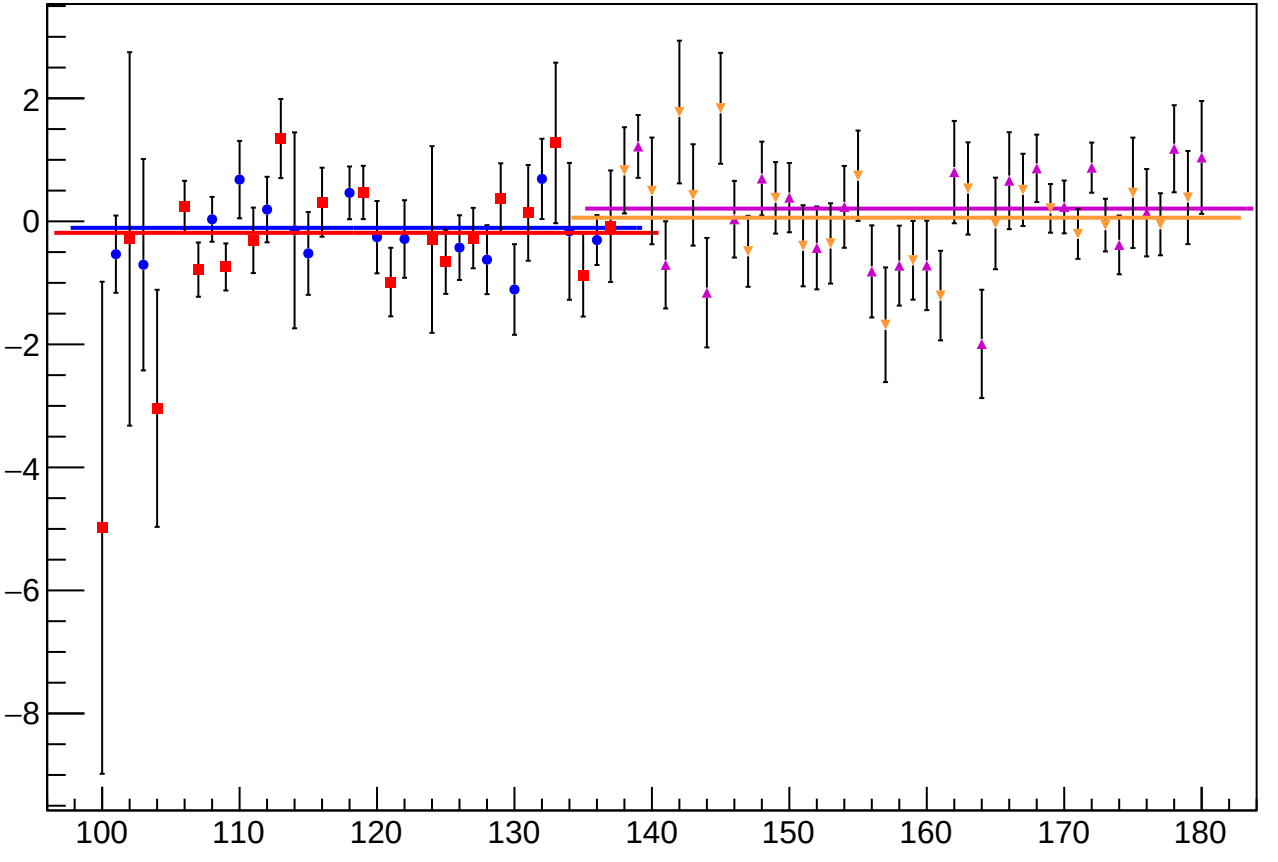
Left In: 0.000+/-0.000 χ^2/NDF:1192972.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 2728535.8/37

All: 0.000+/-0.000 χ^2/NDF: 6260462.5/77

- 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: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

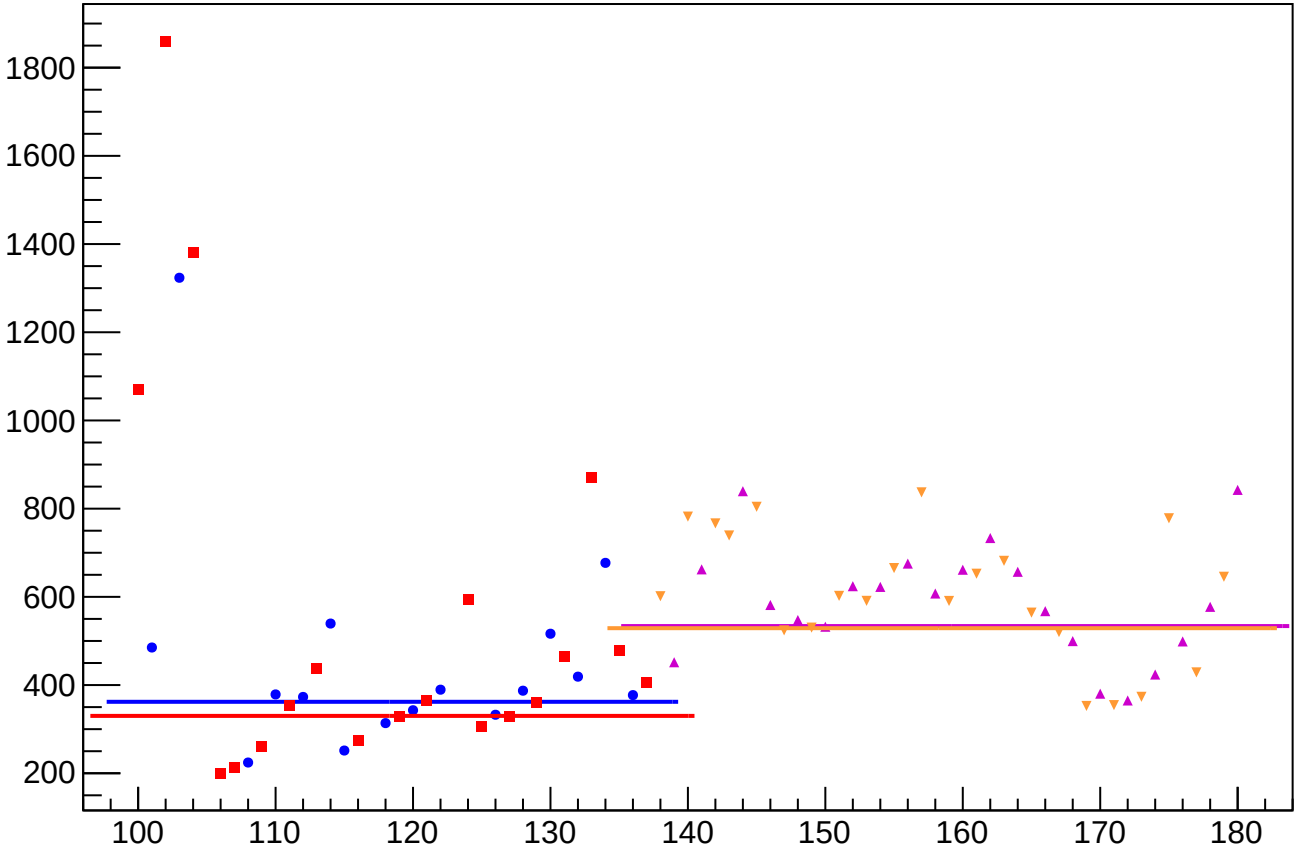
Left In: 0.207+/-0.135 χ^2/NDF:30.6/20

+ sign -0.017+/-0.098 χ^2/NDF: 30.9/37

All: -0.001+/-0.069 χ^2/NDF: 89.6/77

- 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: 528.965+/-0.094 χ^2/NDF:2397665.2/21

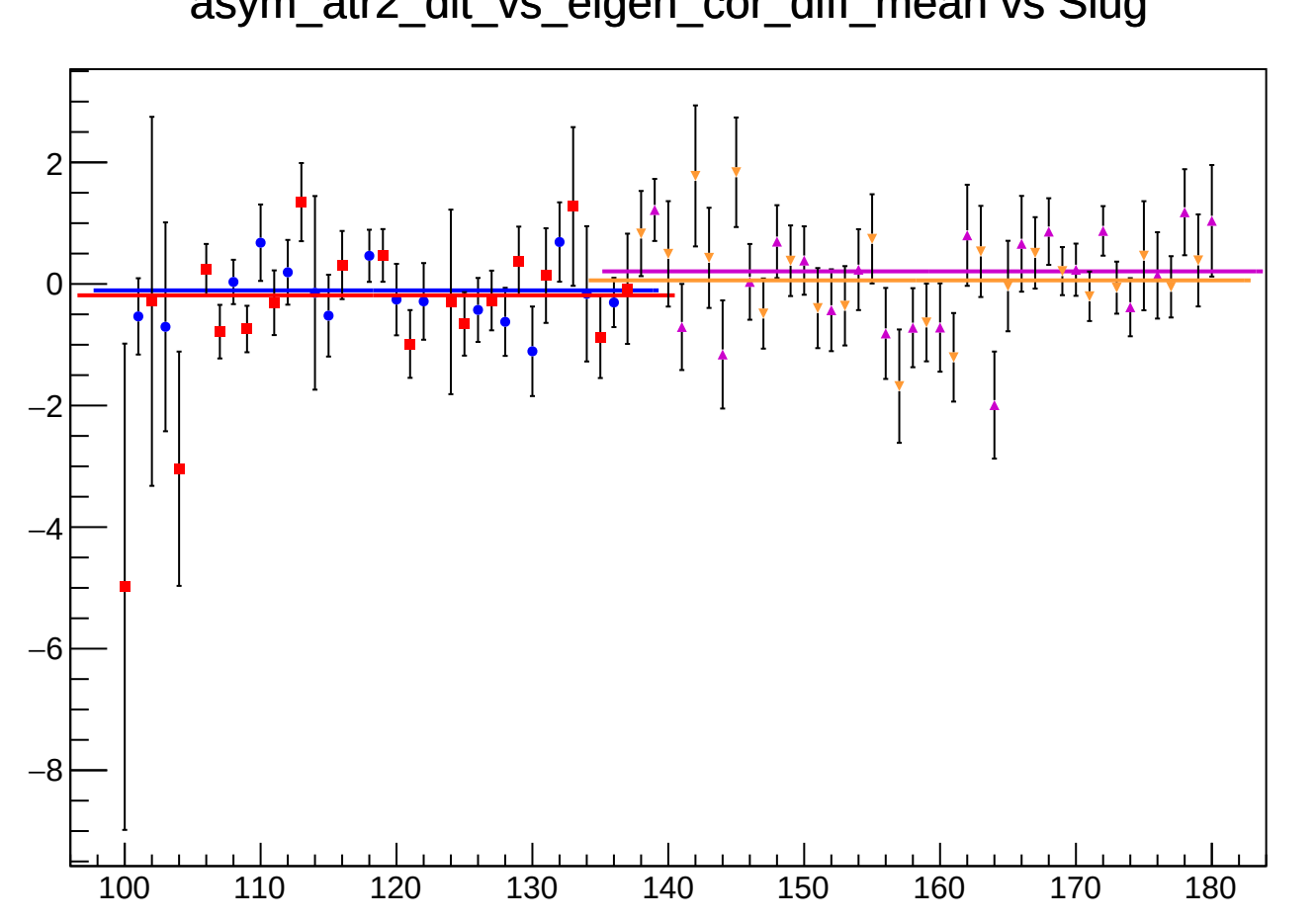
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 533.775+/-0.096 χ^2/NDF:1705142.3/20

+ sign 452.171+/-0.069 χ^2/NDF: 5212473.0/37

All: 442.735+/-0.049 χ^2/NDF: 11434676.0/77

- 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: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

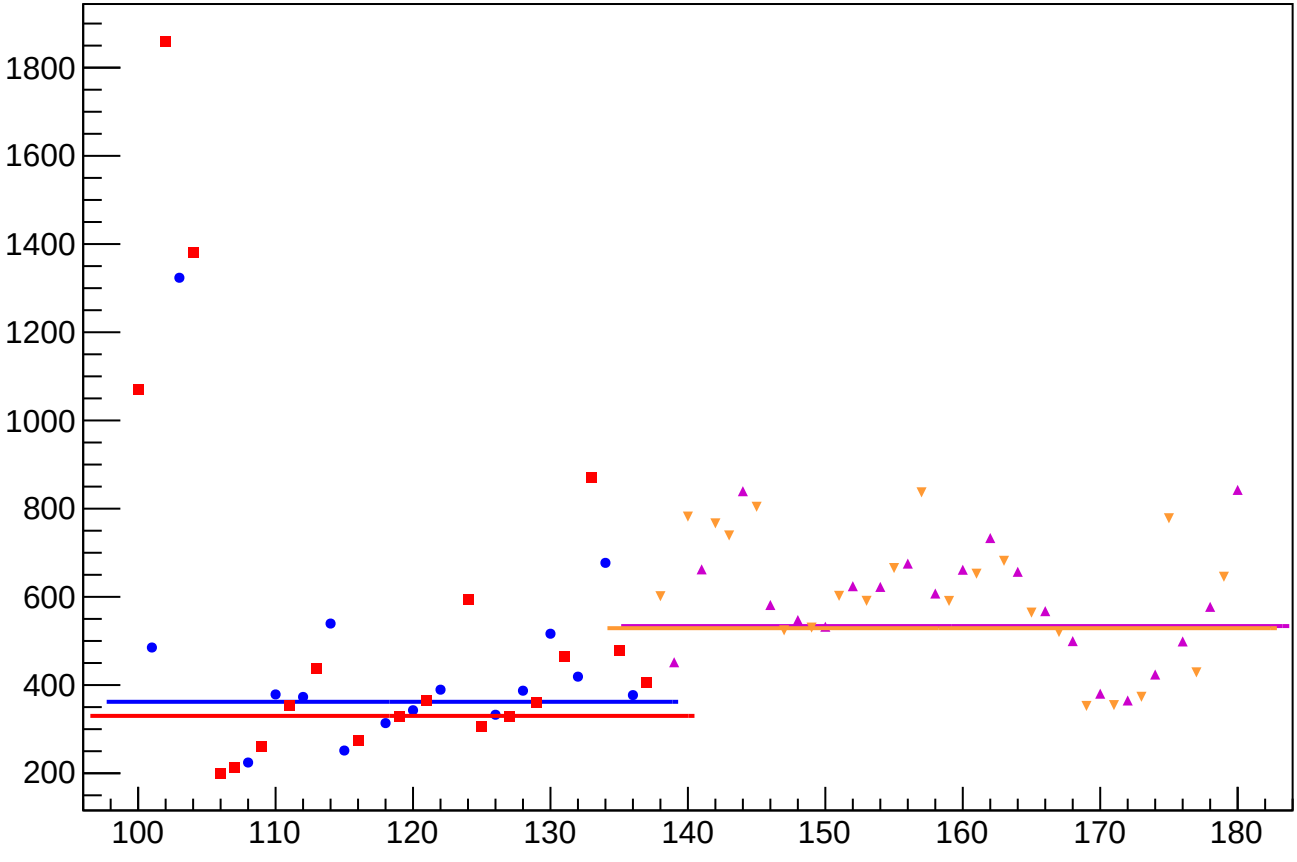
Left In: 0.207+/-0.135 χ^2/NDF:30.6/20

+ sign -0.017+/-0.098 χ^2/NDF: 30.9/37

All: -0.001+/-0.069 χ^2/NDF: 89.6/77

- 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: 528.965+/-0.094 χ^2/NDF:2397665.2/21

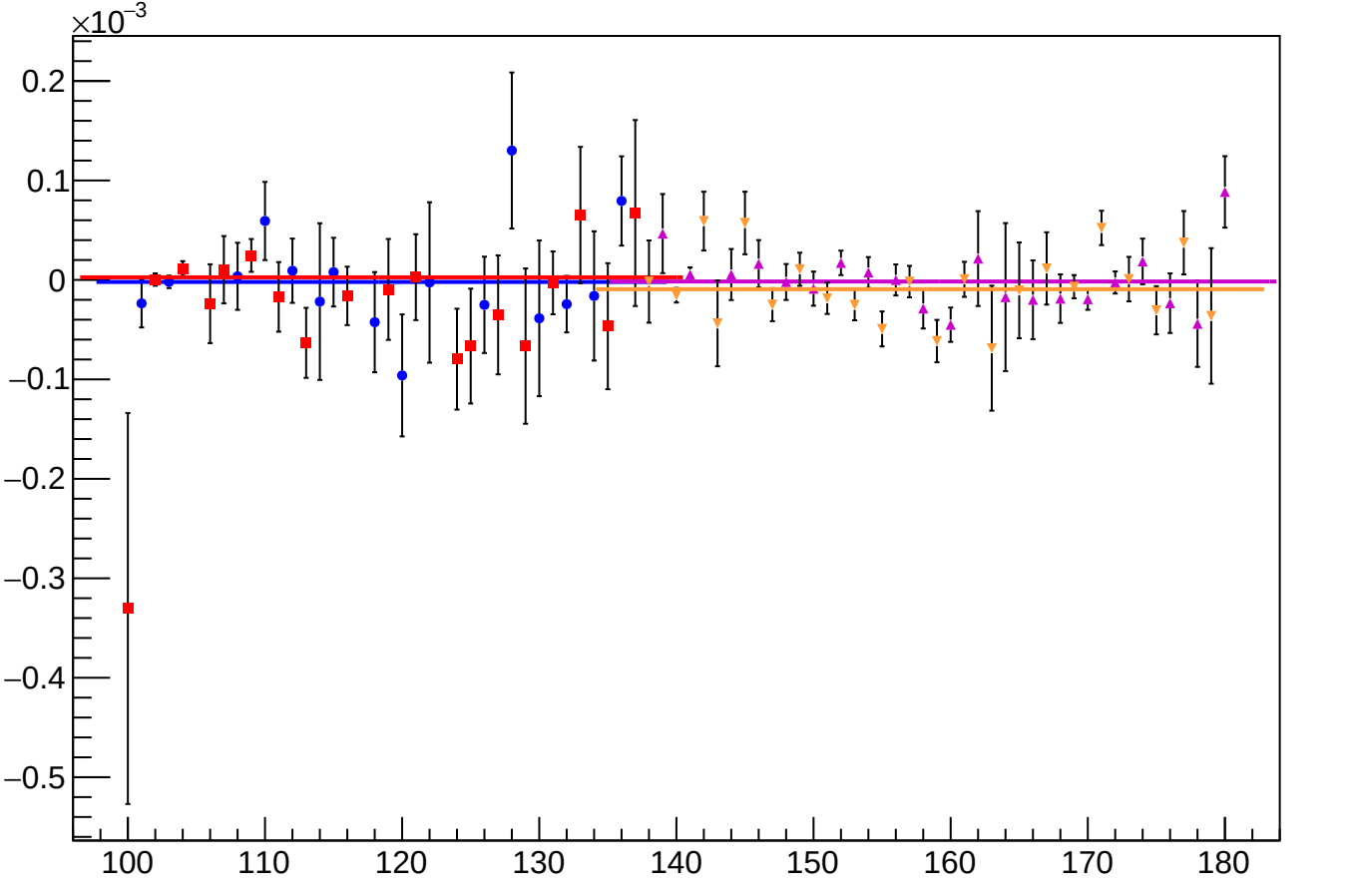
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 533.775+/-0.096 χ^2/NDF:1705142.3/20

+ sign 452.171+/-0.069 χ^2/NDF: 5212473.0/37

All: 442.735+/-0.049 χ^2/NDF: 11434676.0/77

- sign 433.640+/-0.068 χ^2/NDF: 6185889.4/39



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

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

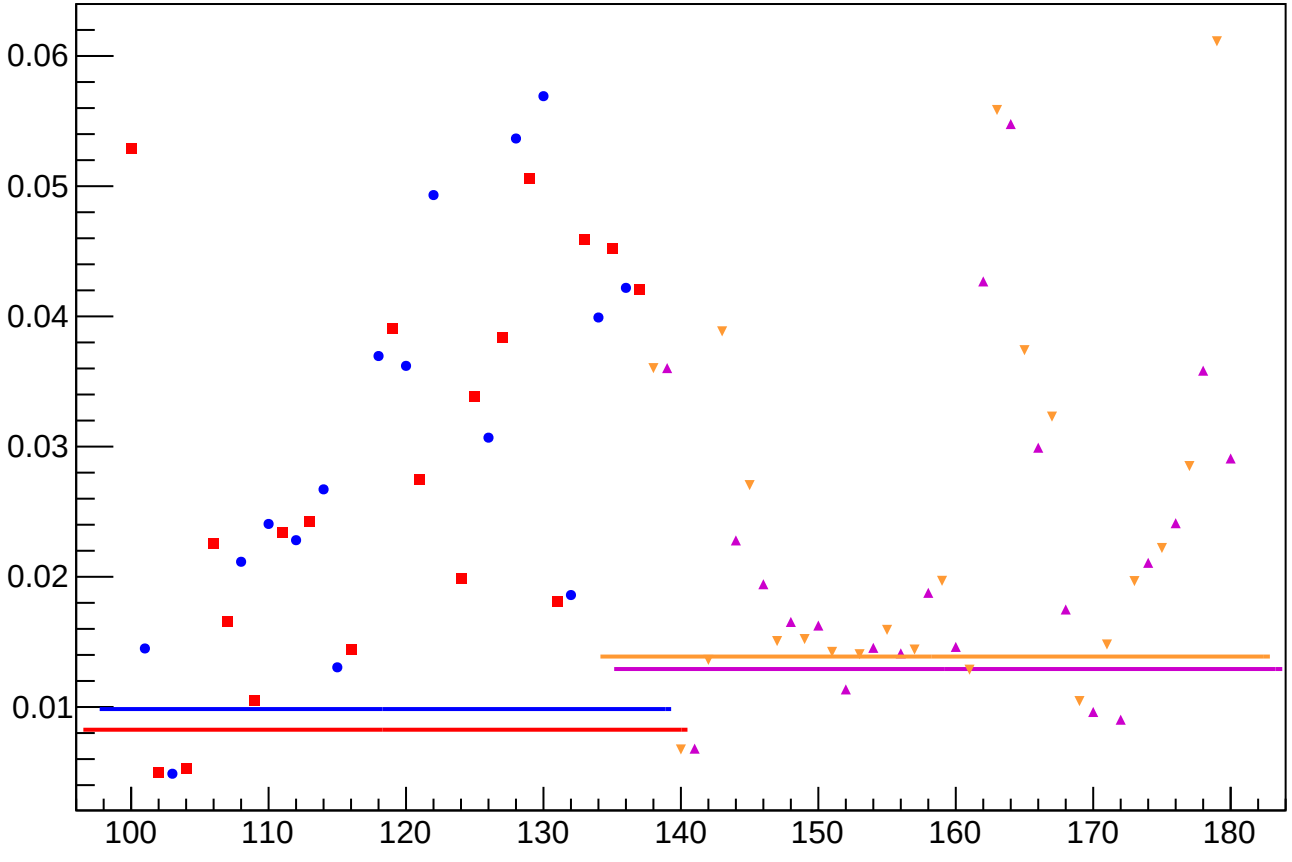
Left In: -0.000+/-0.000 χ^2/NDF:26.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/37

All: -0.000+/-0.000 χ^2/NDF: 106.9/77

- sign 0.000+/-0.000 χ^2/NDF: 45.1/39

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:7509011.5/21

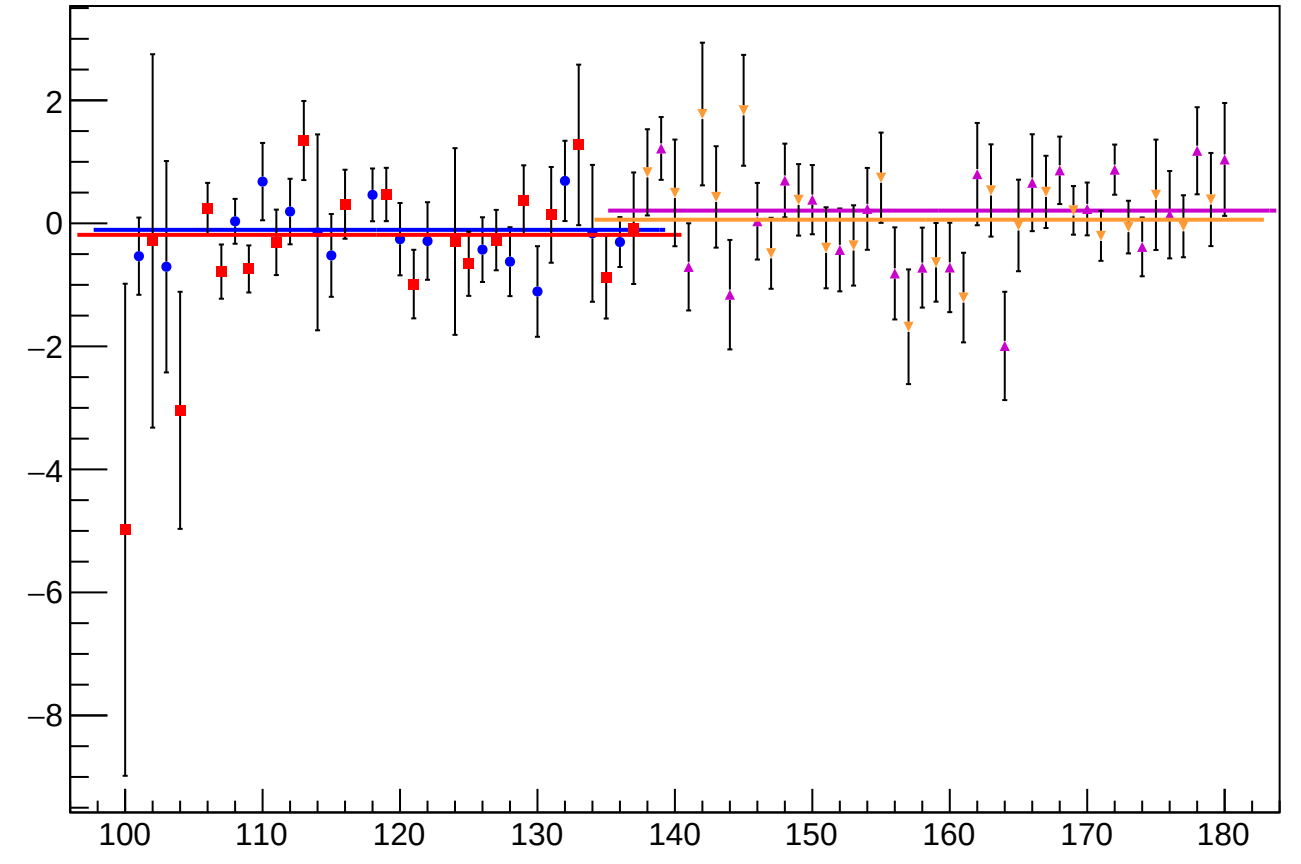
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:6740369.4/20

+ sign 0.013+/-0.000 χ^2/NDF: 15297766.4/37

All: 0.012+/-0.000 χ^2/NDF: 30457361.8/77

- sign 0.011+/-0.000 χ^2/NDF: 14868143.3/39



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

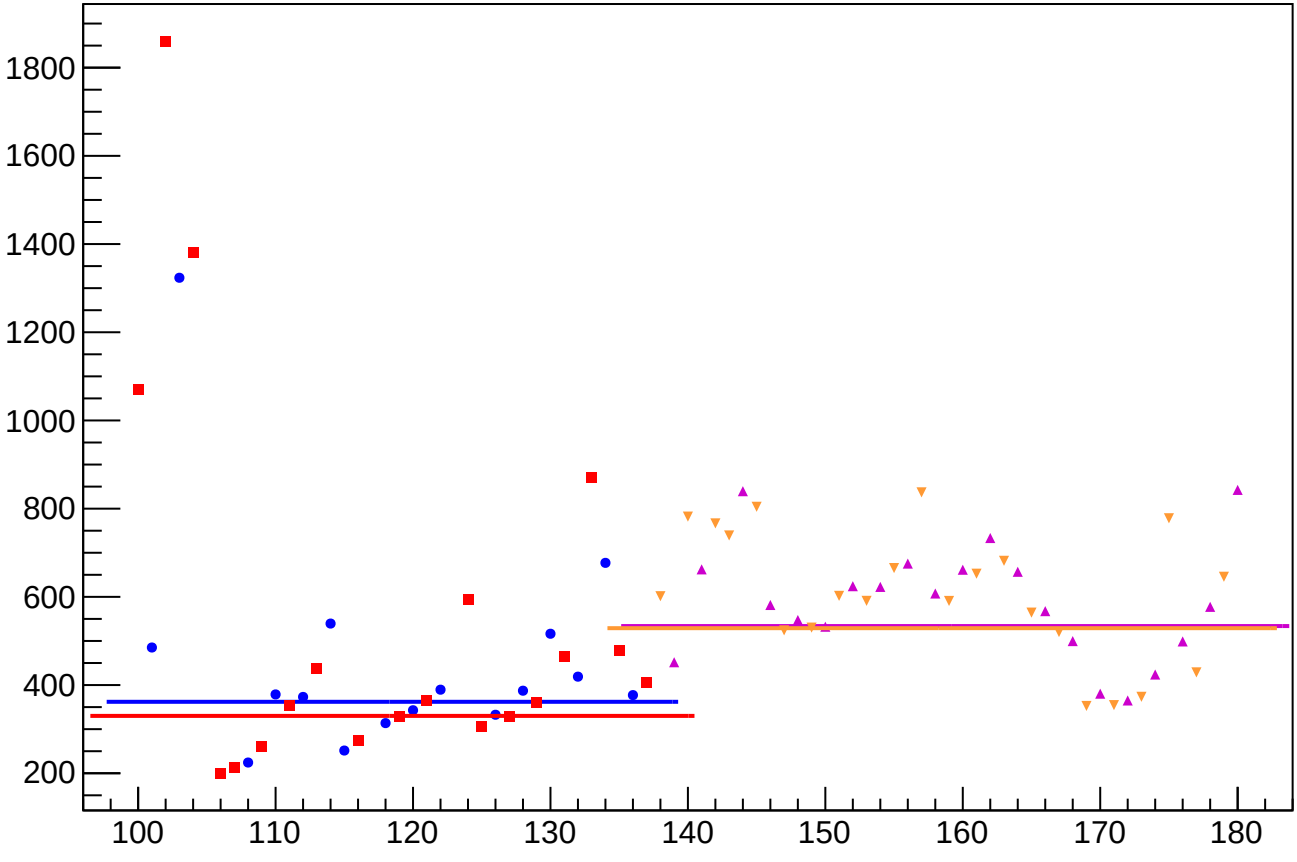
Left In: 0.207+/-0.135 χ^2/NDF:30.6/20

\+ sign -0.017+/-0.098 χ^2/NDF: 30.9/37

All: -0.001+/-0.069 χ^2/NDF: 89.6/77

\- 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: 528.969+/-0.094 χ^2/NDF:2397758.1/21

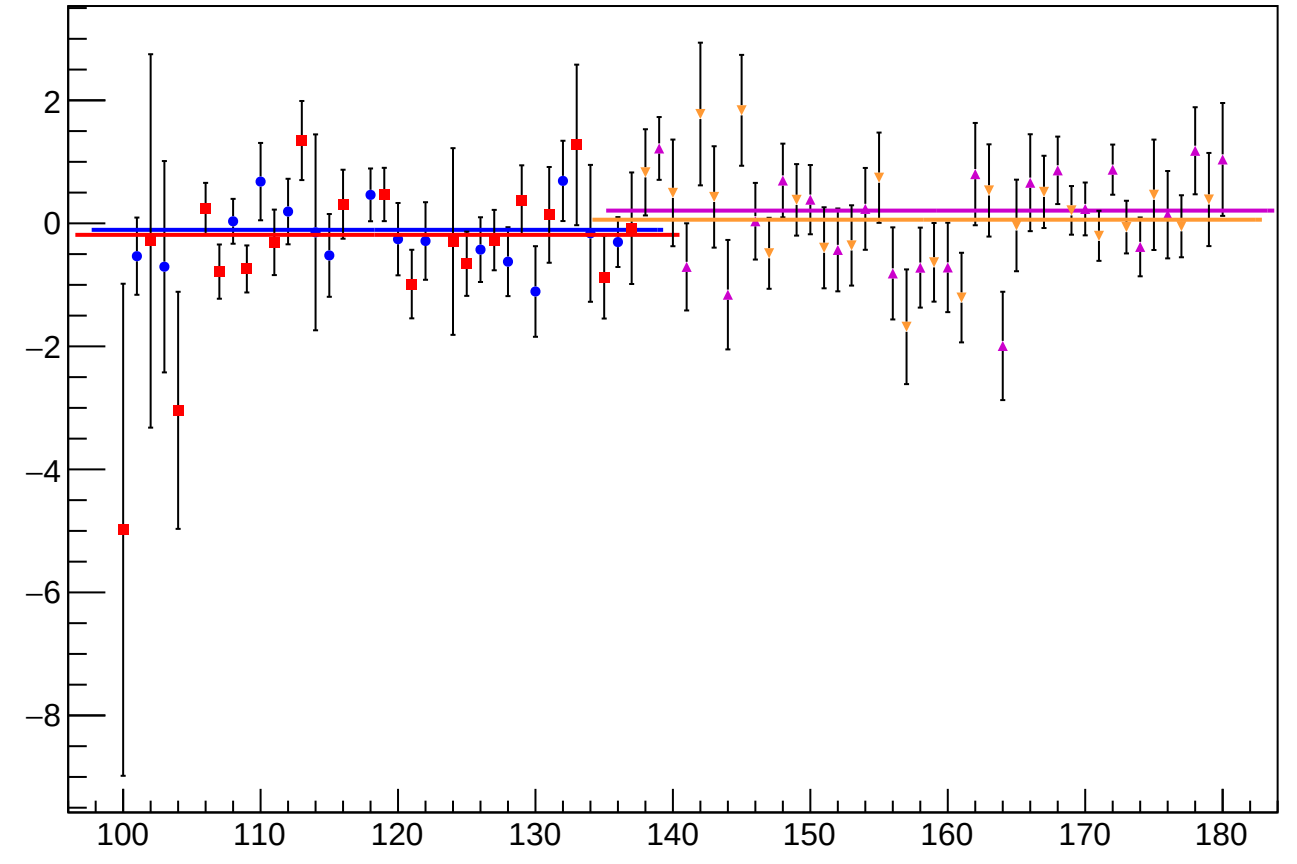
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 533.780+/-0.096 χ^2/NDF:1705189.2/20

+ sign 452.171+/-0.069 χ^2/NDF: 5212687.2/37

All: 442.735+/-0.049 χ^2/NDF: 11435053.5/77

- 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: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

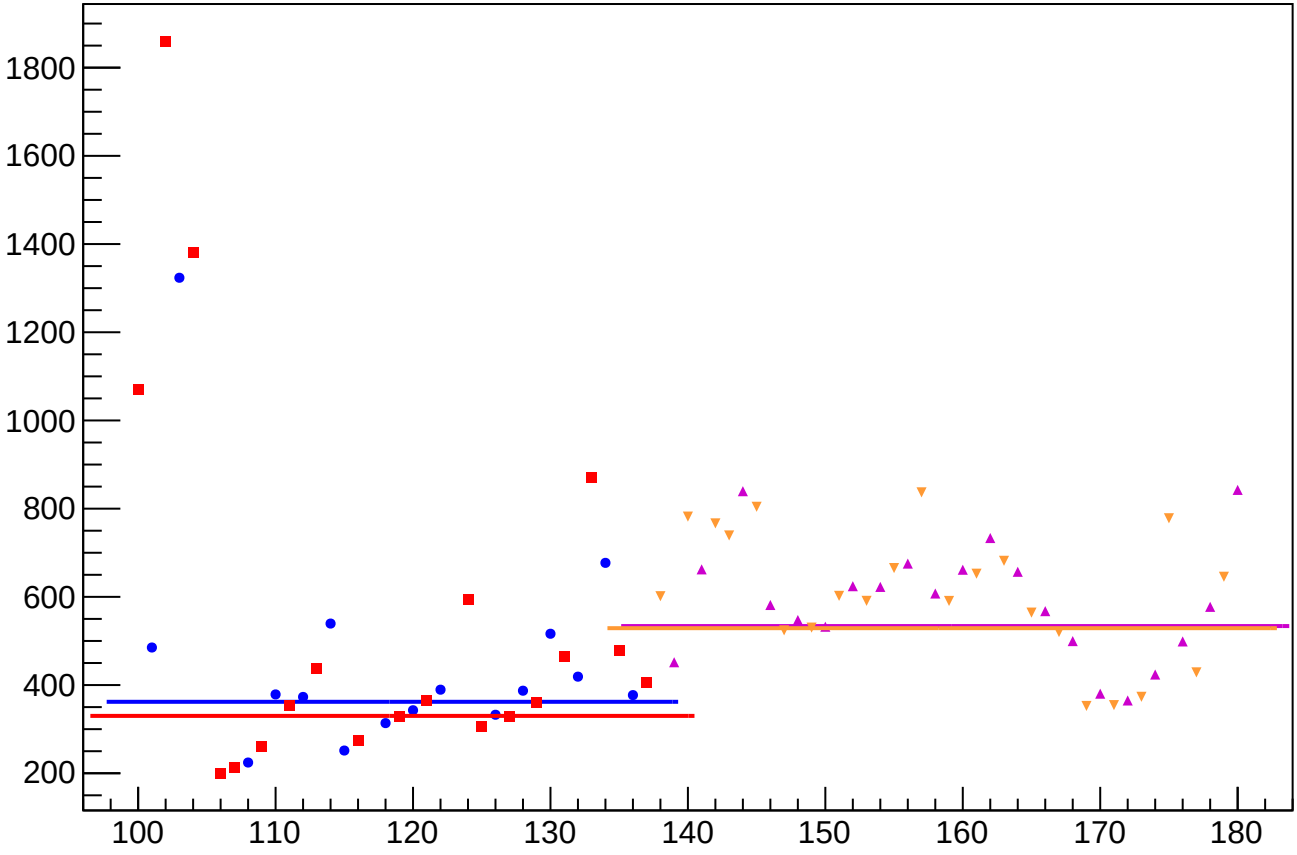
Left In: 0.207+/-0.135 χ^2/NDF:30.6/20

+ sign -0.017+/-0.098 χ^2/NDF: 30.9/37

All: -0.001+/-0.069 χ^2/NDF: 89.6/77

- 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: 528.969+/-0.094 χ^2/NDF:2397758.1/21

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

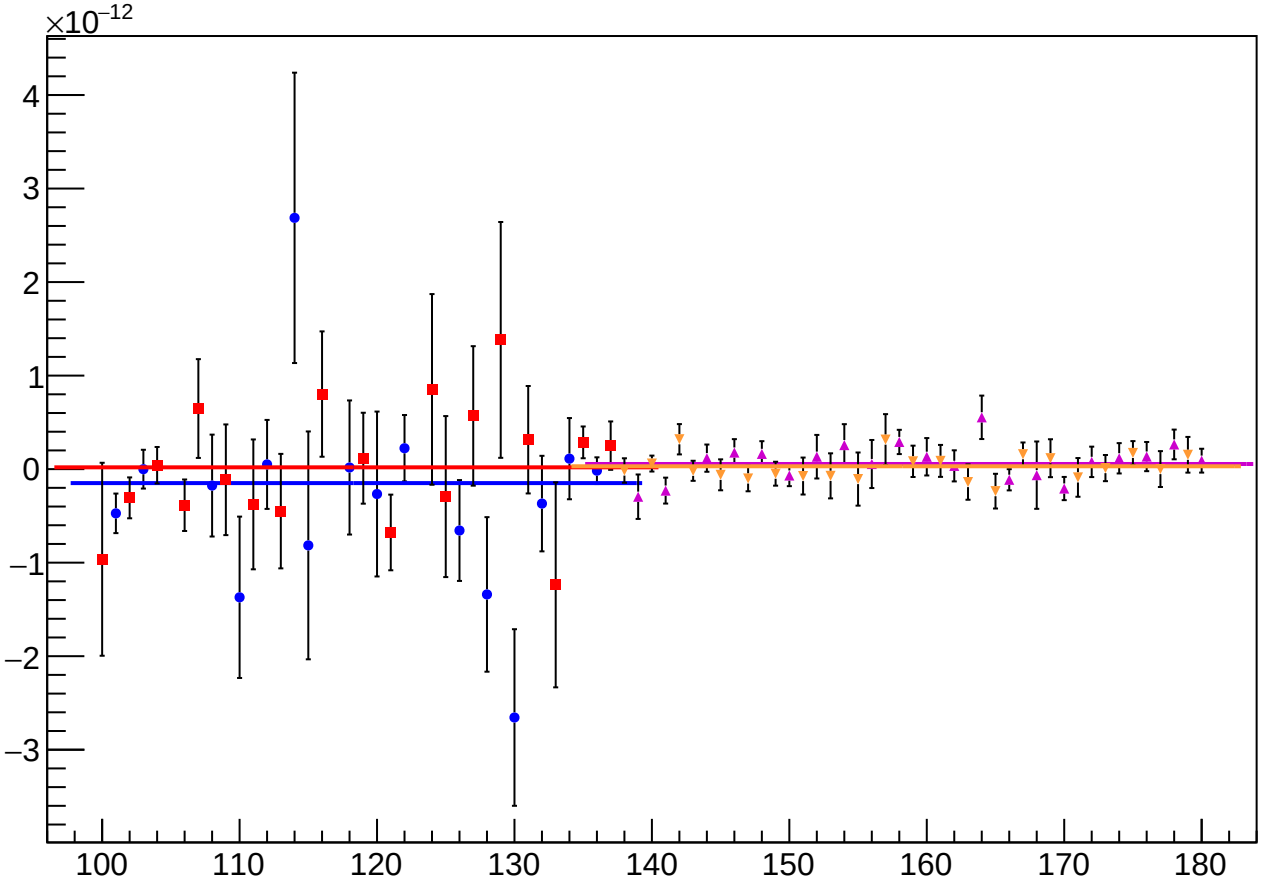
Left In: 533.780+/-0.096 χ^2/NDF:1705189.2/20

+ sign 452.171+/-0.069 χ^2/NDF: 5212687.2/37

All: 442.735+/-0.049 χ^2/NDF: 11435053.5/77

- 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:13.4/21

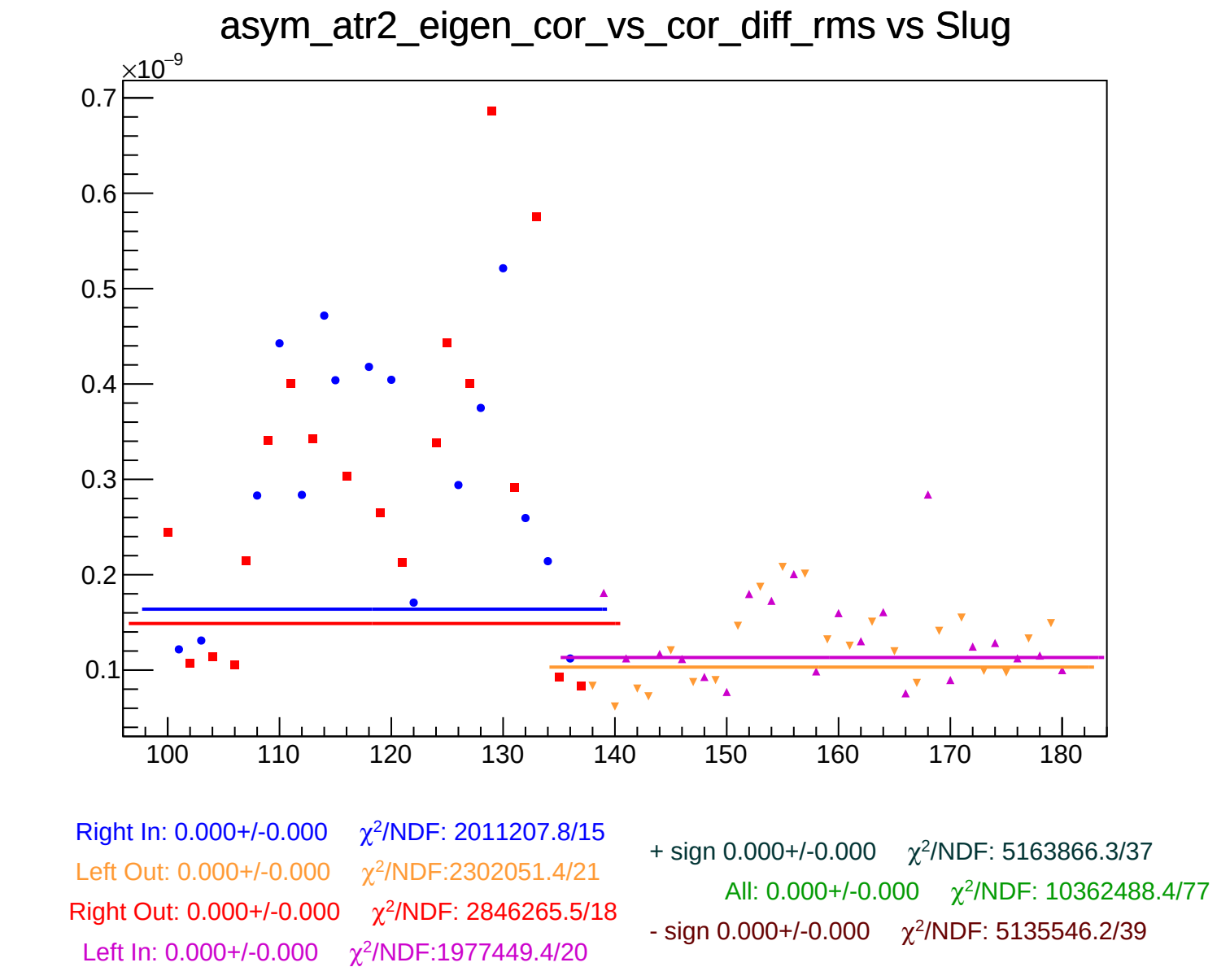
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:27.1/20

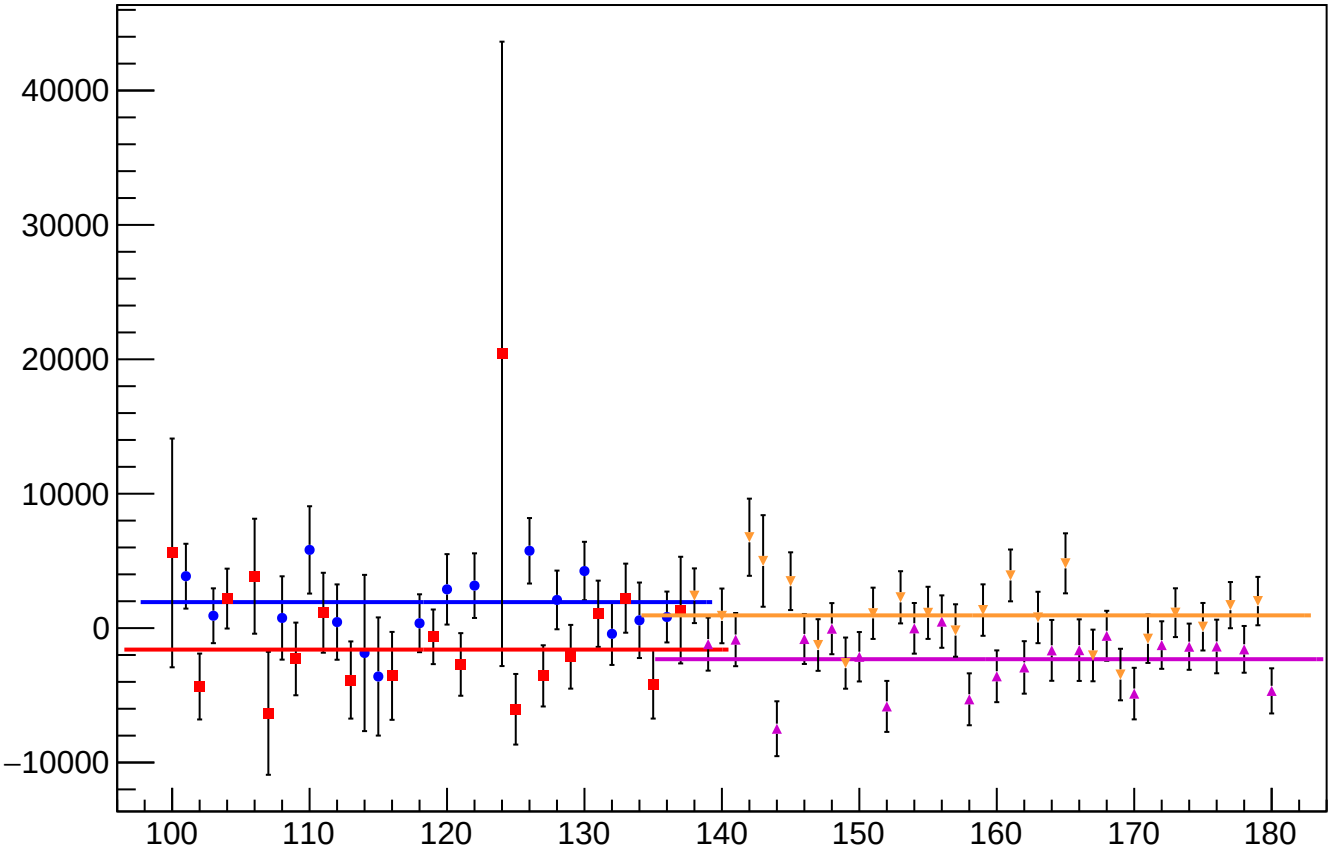
+ sign 0.000+/-0.000 χ^2/NDF: 38.3/37

All: 0.000+/-0.000 χ^2/NDF: 86.0/77

- 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:2302051.4/21
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: 5163866.3/37
All: 0.000+/-0.000 χ²/NDF: 10362488.4/77
- 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: 948.069+/-420.351 χ^2/NDF:27.9/21

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

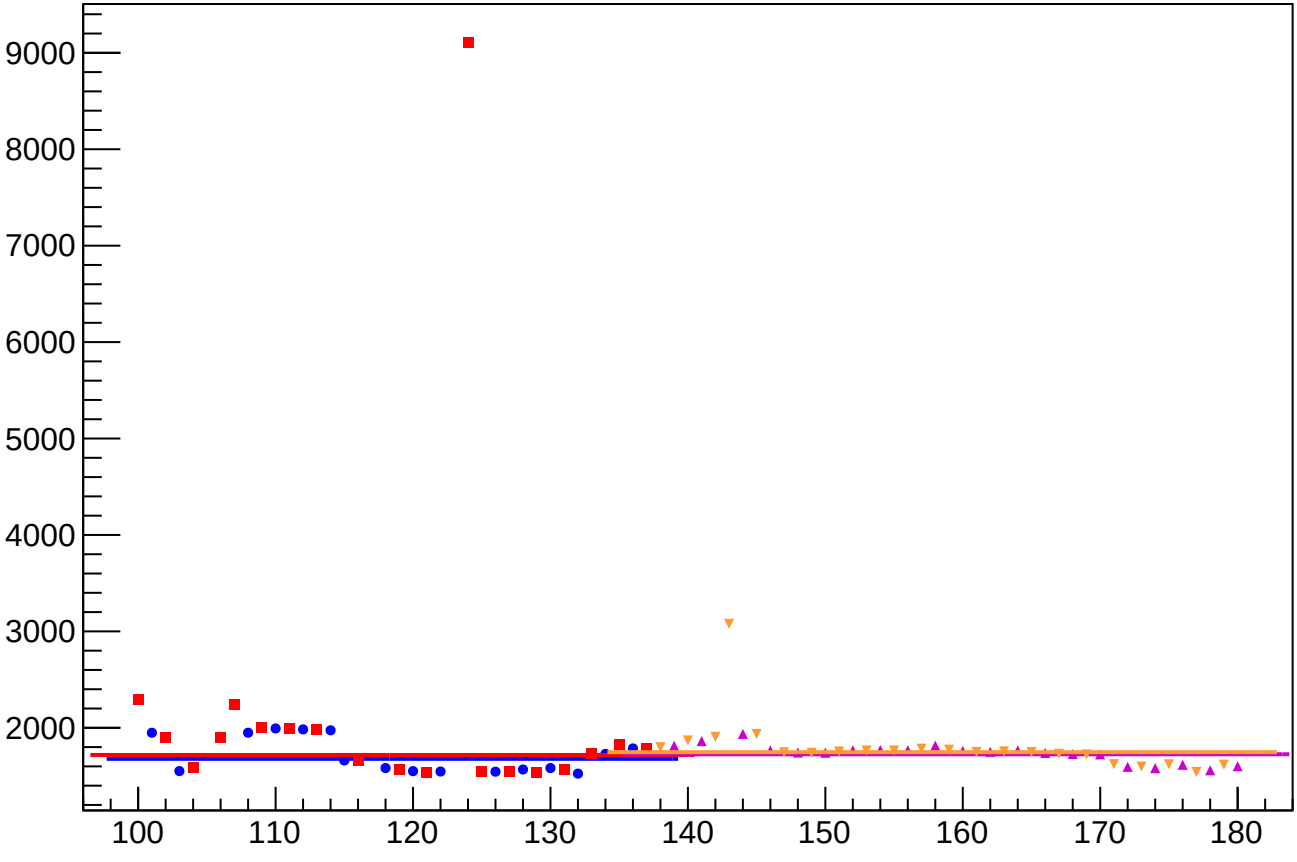
Left In: -2312.580+/-416.078 χ^2/NDF:25.1/20

+ sign 1253.439+/-349.298 χ^2/NDF: 40.5/37

All: -424.427+/-246.955 χ^2/NDF: 132.0/77

- 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: 1747.412+/-0.297 χ^2/NDF:409085.6/21

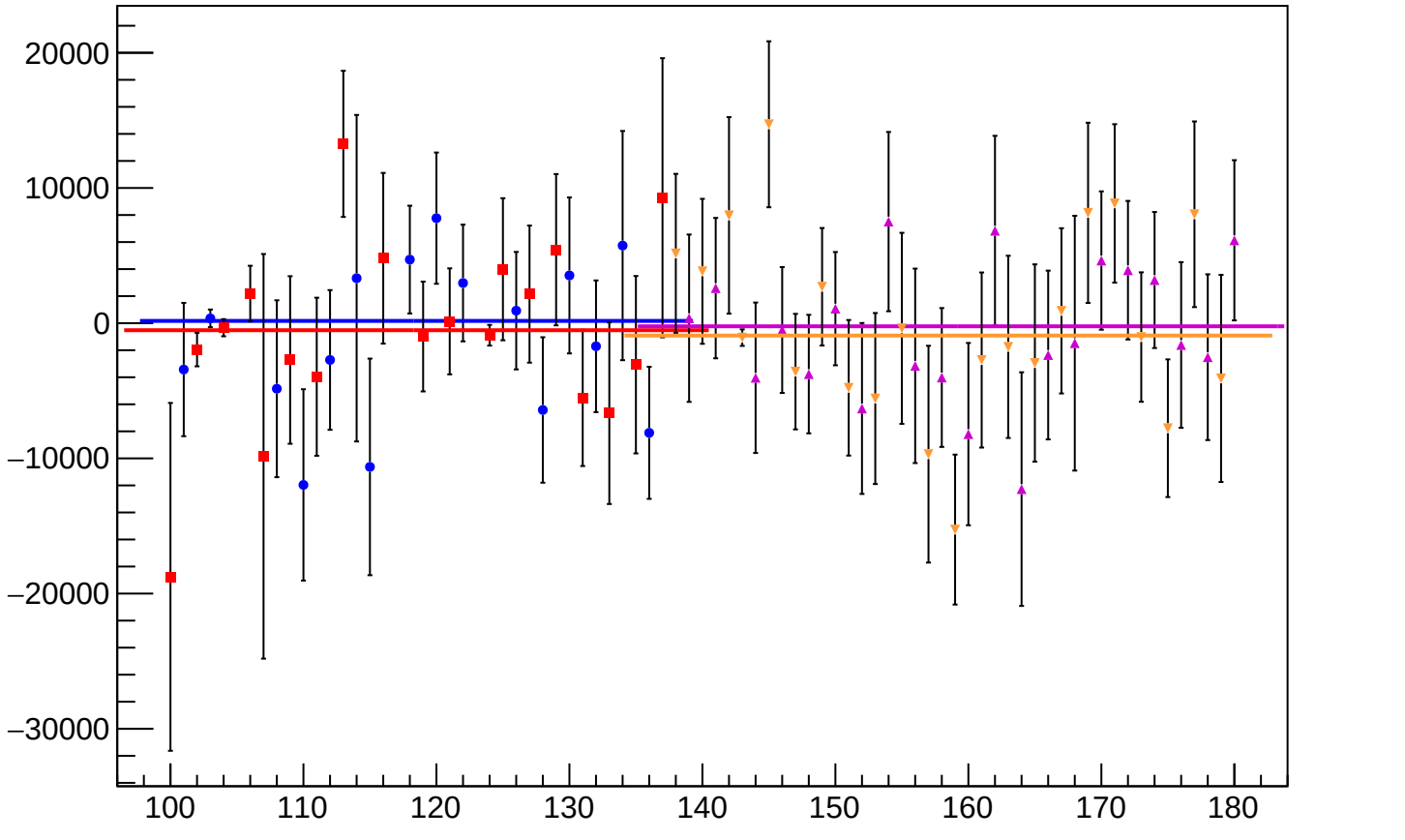
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1725.519+/-0.294 χ^2/NDF:104846.1/20

+ sign 1726.098+/-0.247 χ^2/NDF: 567183.6/37

All: 1724.734+/-0.175 χ^2/NDF: 1055448.5/77

- 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: -916.180+/-550.710 χ^2/NDF:28.6/21

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

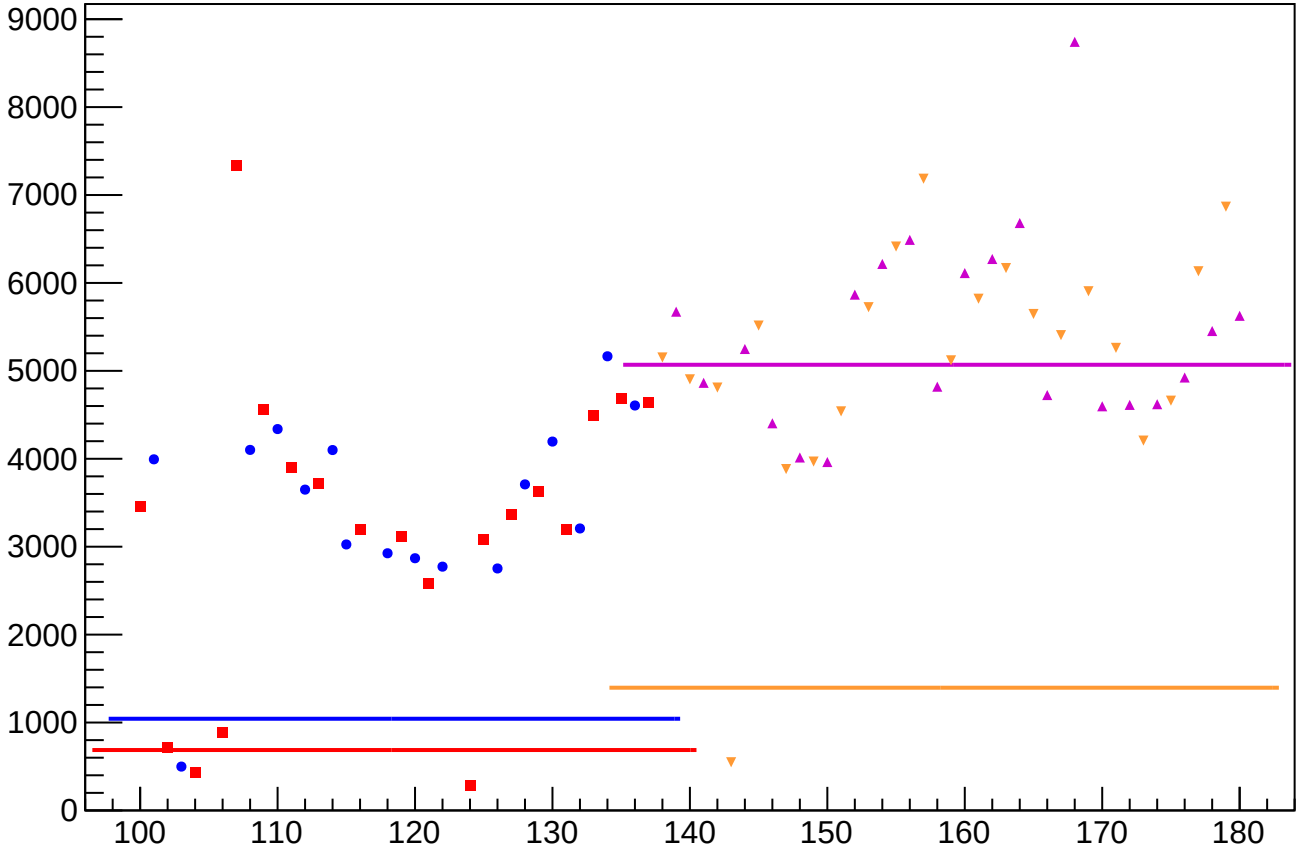
Left In: -231.352+/-1244.266 χ^2/NDF:12.4/20

+ sign -412.724+/-403.094 χ^2/NDF: 46.2/37

All: -451.887+/-284.644 χ^2/NDF: 77.2/77

- 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: 1396.129+/-0.389 χ^2/NDF:21672936.9/21

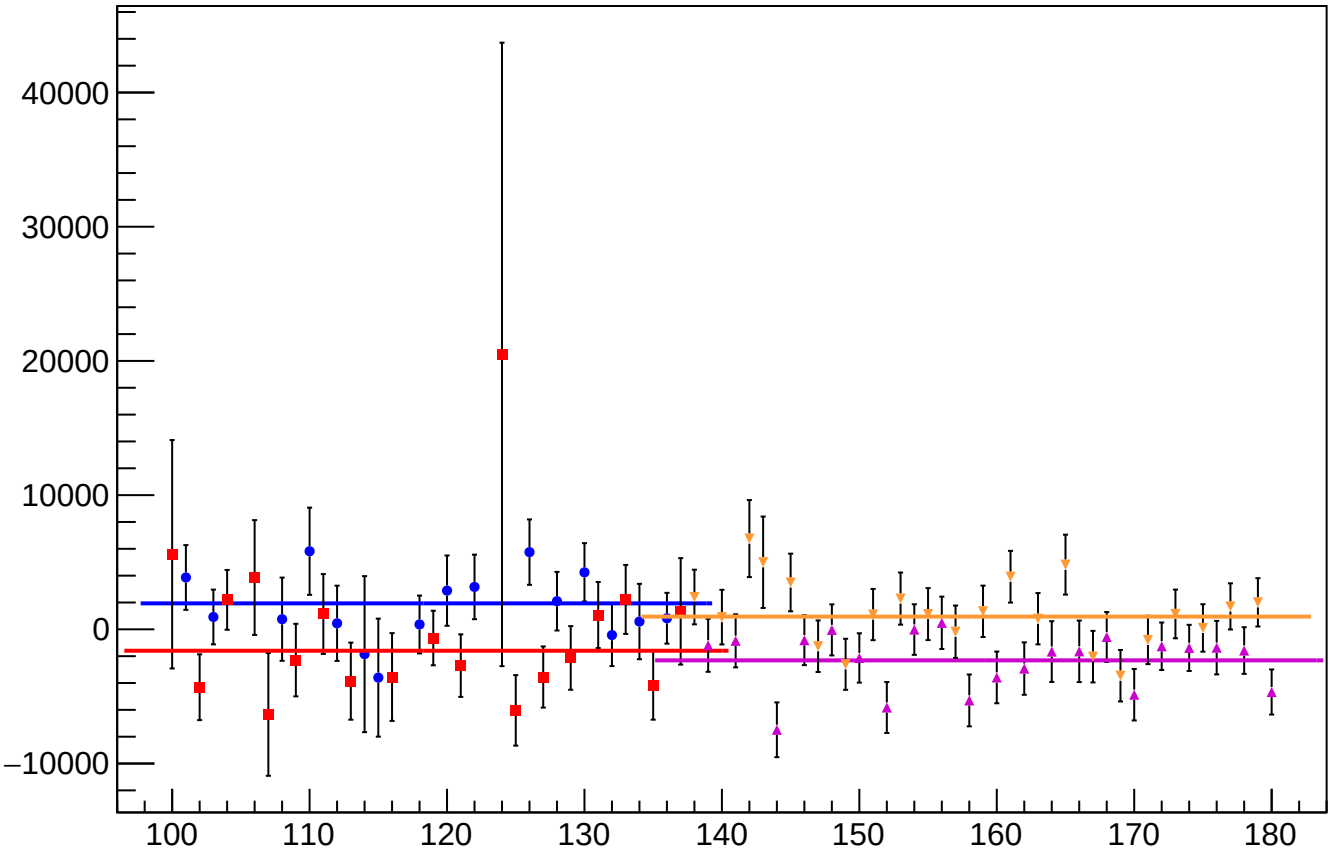
Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5069.227+/-0.880 χ^2/NDF:1056478.9/20

+ sign 1232.245+/-0.285 χ^2/NDF: 30166346.9/37

All: 1188.366+/-0.201 χ^2/NDF: 62116820.2/7

- 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: 948.027+/-420.351 χ^2/NDF:27.9/21

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

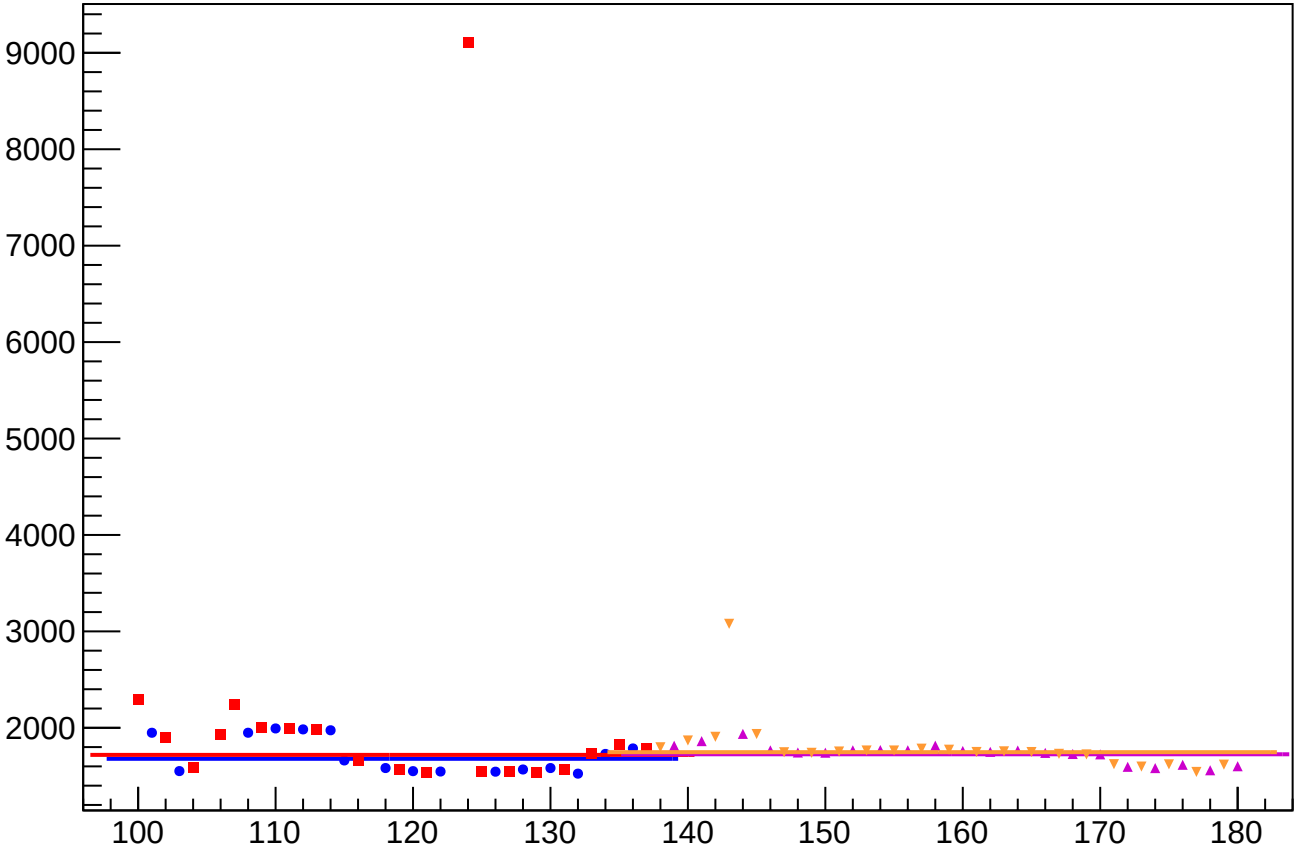
Left In: -2312.604+/-416.078 χ^2/NDF:25.1/20

+ sign 1253.446+/-349.298 χ^2/NDF: 40.5/37

All: -424.069+/-246.955 χ^2/NDF: 132.0/77

- 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: 1747.413+/-0.297 χ^2/NDF:409085.6/21

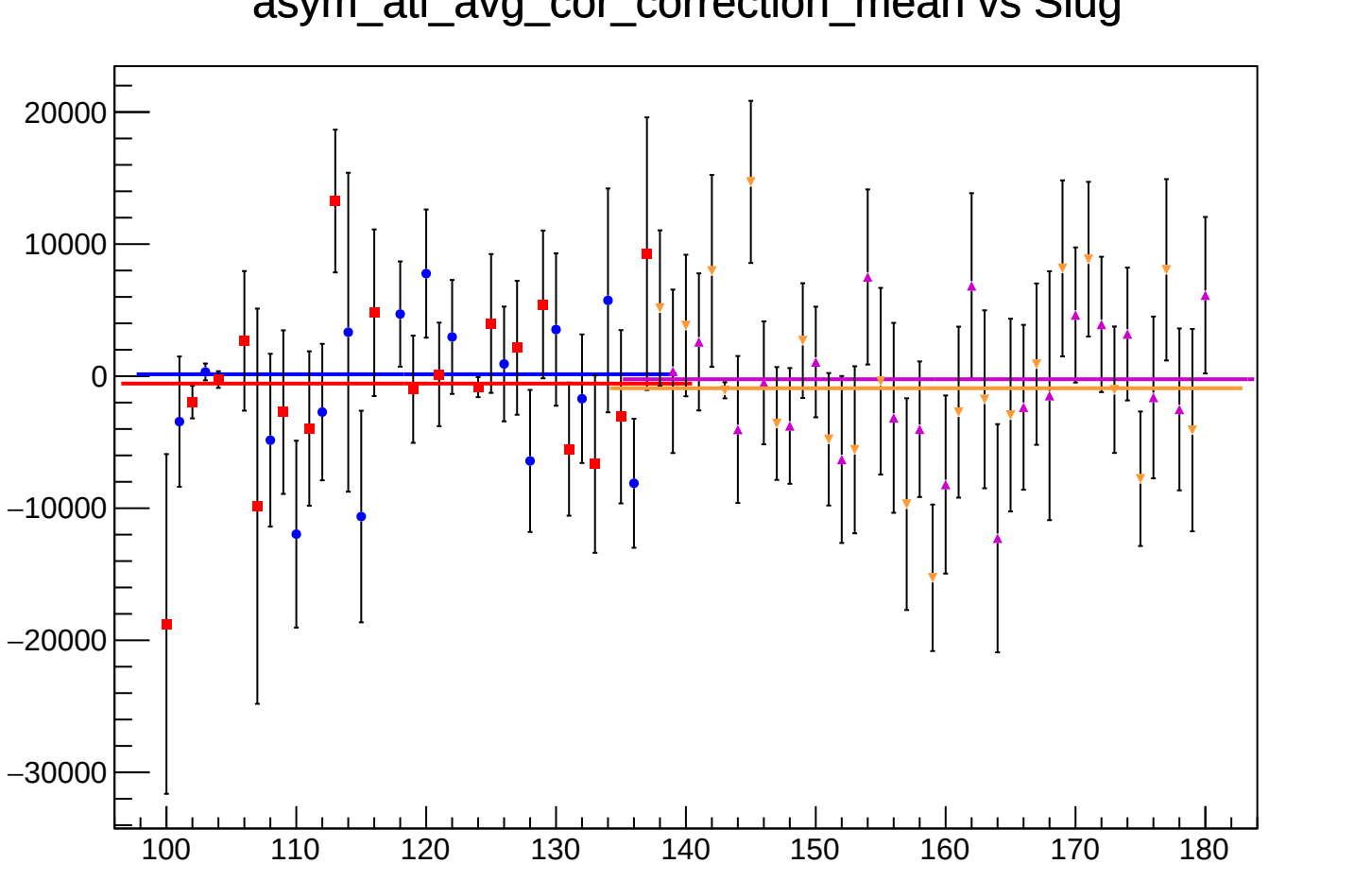
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1725.519+/-0.294 χ^2/NDF:104846.1/20

+ sign 1726.098+/-0.247 χ^2/NDF: 567183.7/37

All: 1724.859+/-0.175 χ^2/NDF: 1057141.9/77

- 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: -915.860+/-550.692 χ^2/NDF:28.6/21

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

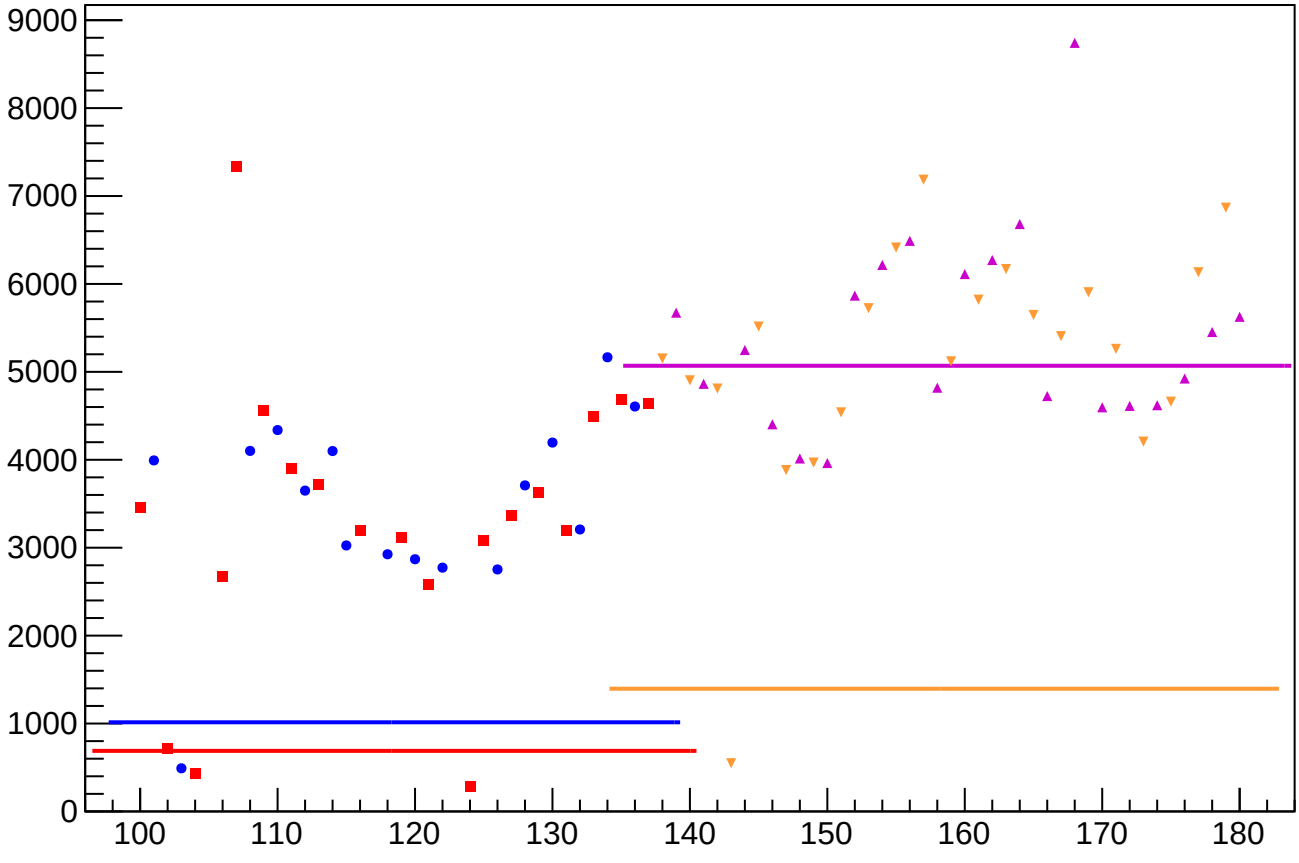
Left In: -231.479+/-1244.266 χ^2/NDF:12.4/20

+ sign -411.587+/-399.147 χ^2/NDF: 46.2/37

All: -467.766+/-284.955 χ^2/NDF: 75.9/77

- sign -526.159+/-406.940 χ^2/NDF: 29.6/39

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1396.054+/-0.389 χ^2/NDF:21673468.9/21

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

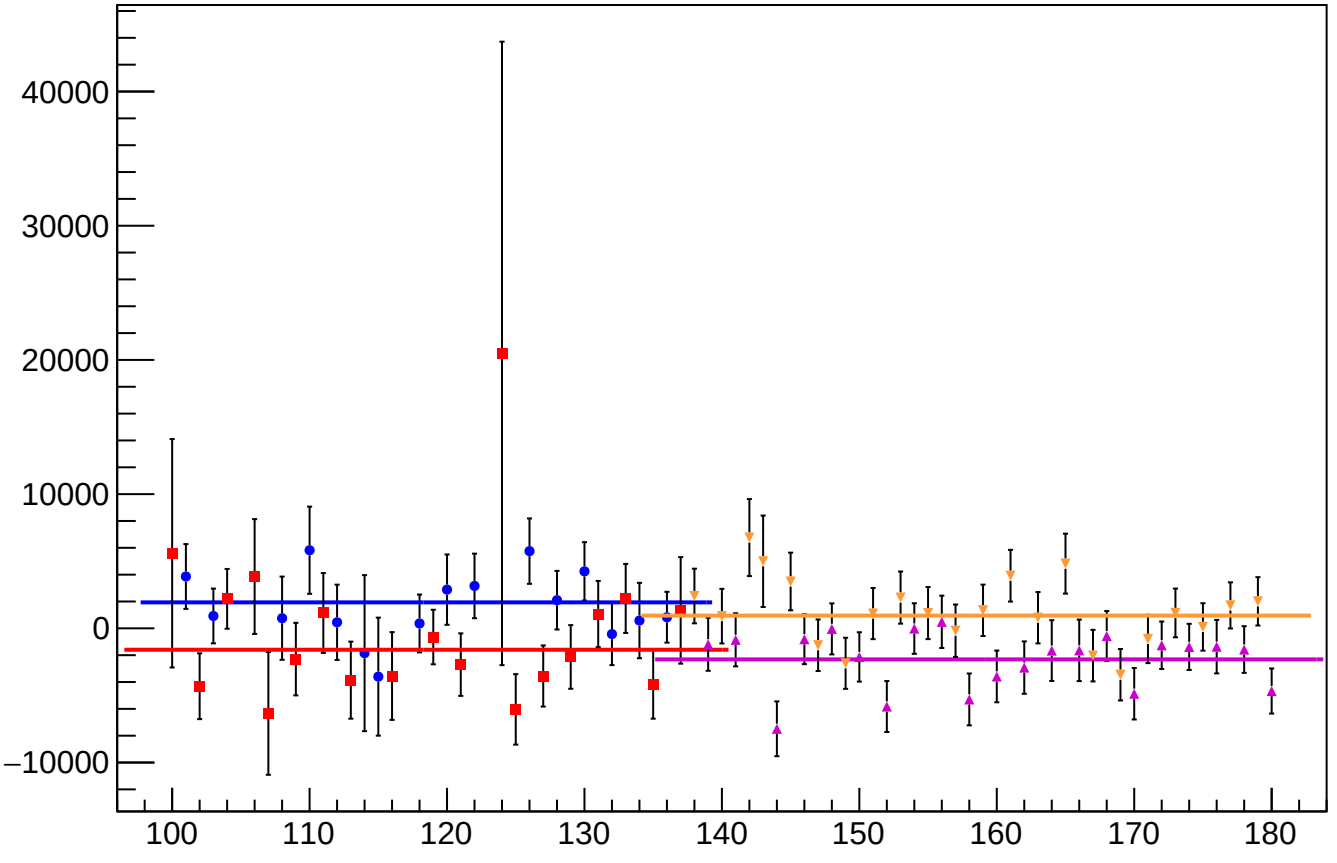
Left In: 5069.223+/-0.880 χ^2/NDF:1056496.8/20

+ sign 1214.756+/-0.282 χ^2/NDF: 30353175.7/37

All: 1186.717+/-0.201 χ^2/NDF: 62473901.7/7

- 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: 948.027+/-420.351 χ^2/NDF:27.9/21

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

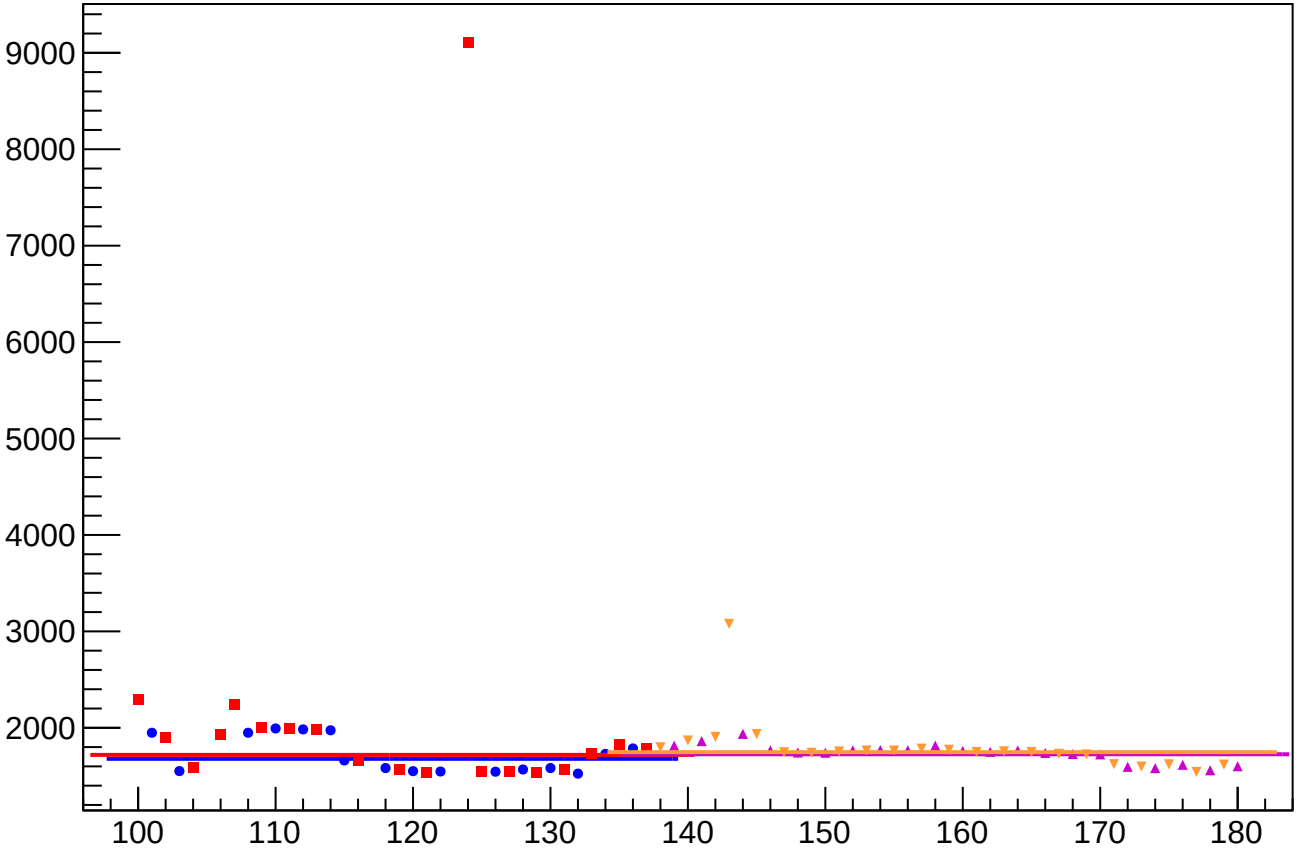
Left In: -2312.604+/-416.078 χ^2/NDF:25.1/20

+ sign 1253.446+/-349.298 χ^2/NDF: 40.5/37

All: -424.069+/-246.955 χ^2/NDF: 132.0/77

- 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: 1747.413+/-0.297 χ^2/NDF:409085.6/21

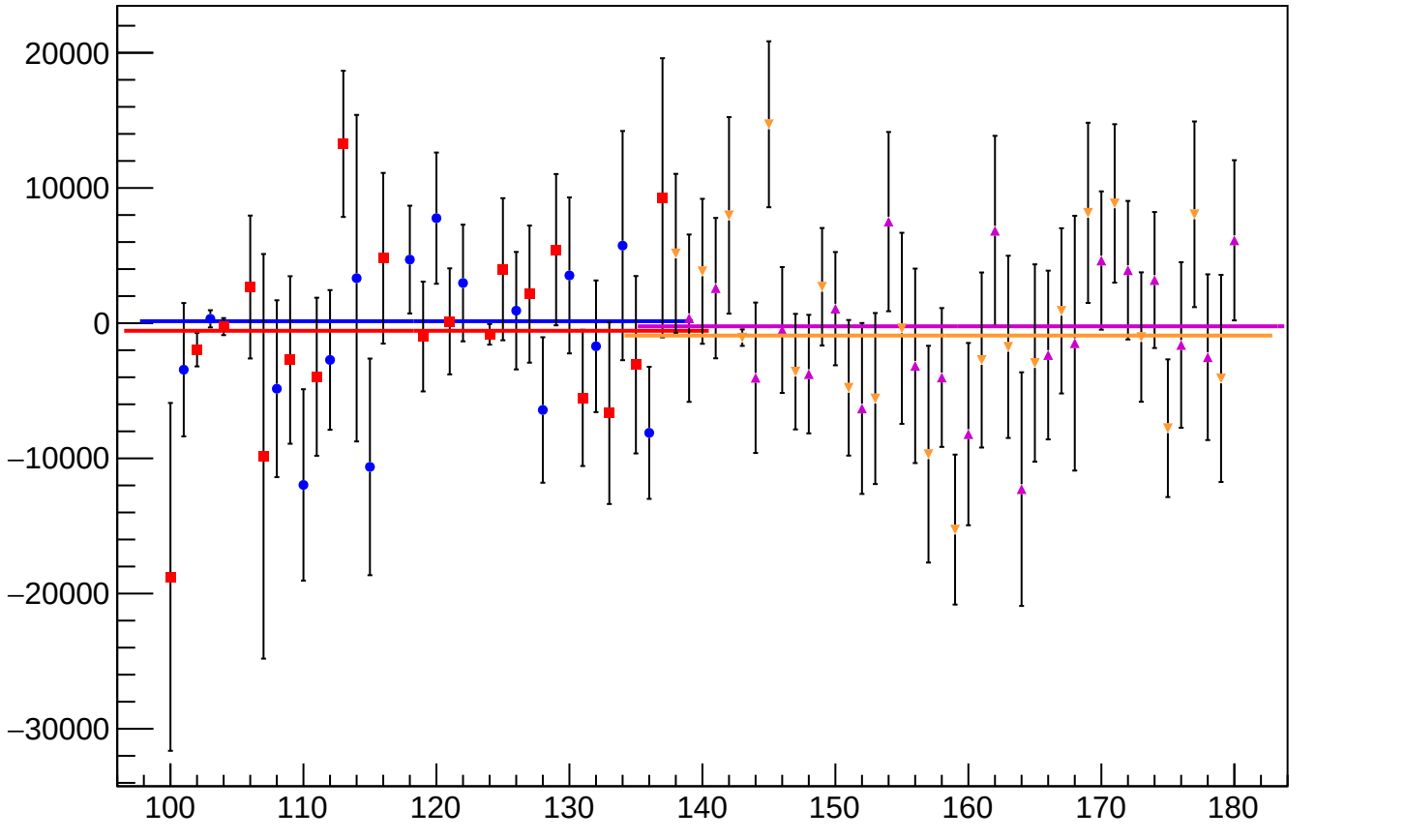
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1725.519+/-0.294 χ^2/NDF:104846.1/20

+ sign 1726.098+/-0.247 χ^2/NDF: 567183.7/37

All: 1724.859+/-0.175 χ^2/NDF: 1057141.9/77

- 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: -915.860+/-550.692 χ^2/NDF:28.6/21

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

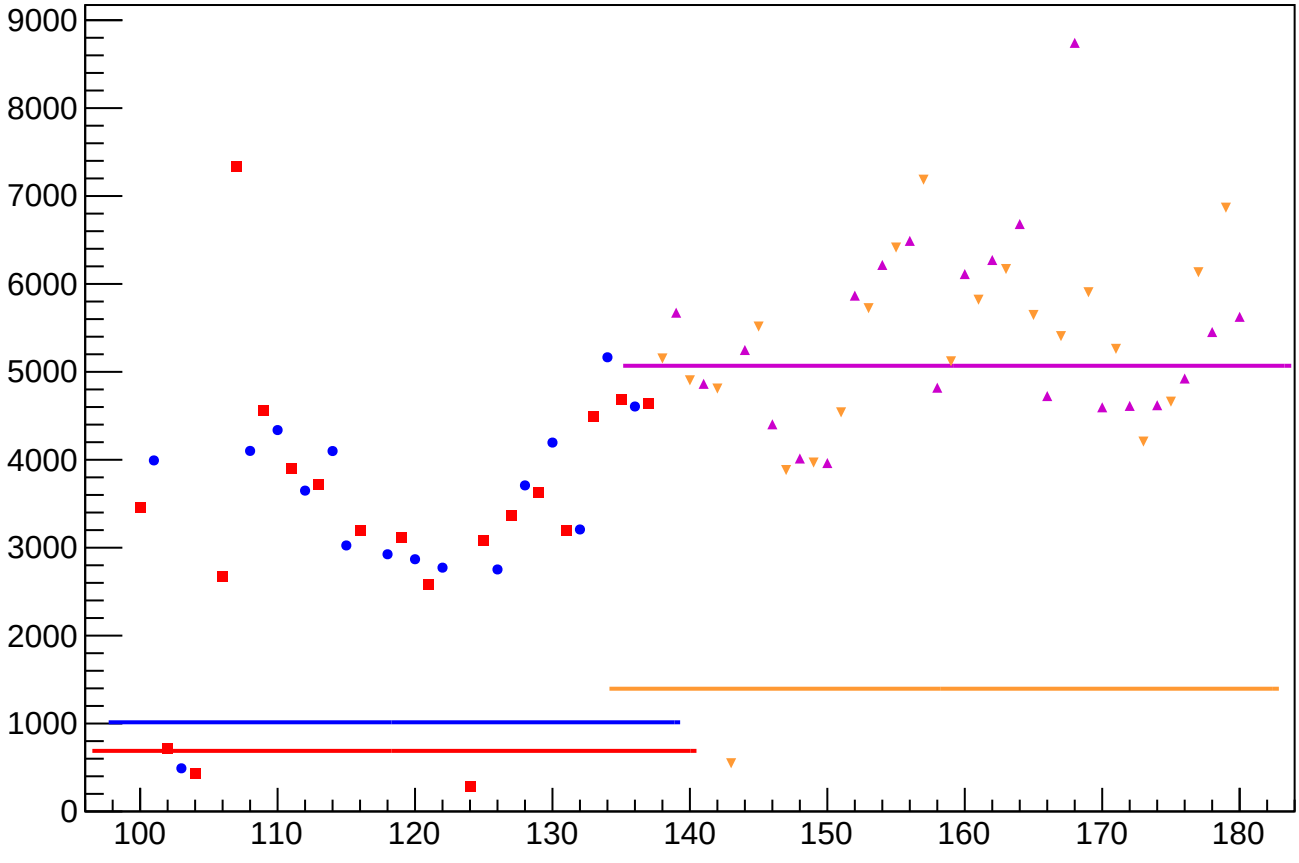
Left In: -231.479+/-1244.266 χ^2/NDF:12.4/20

+ sign -411.587+/-399.147 χ^2/NDF: 46.2/37

All: -467.766+/-284.955 χ^2/NDF: 75.9/77

- sign -526.159+/-406.940 χ^2/NDF: 29.6/39

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1396.054+/-0.389 χ^2/NDF:21673468.9/21

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

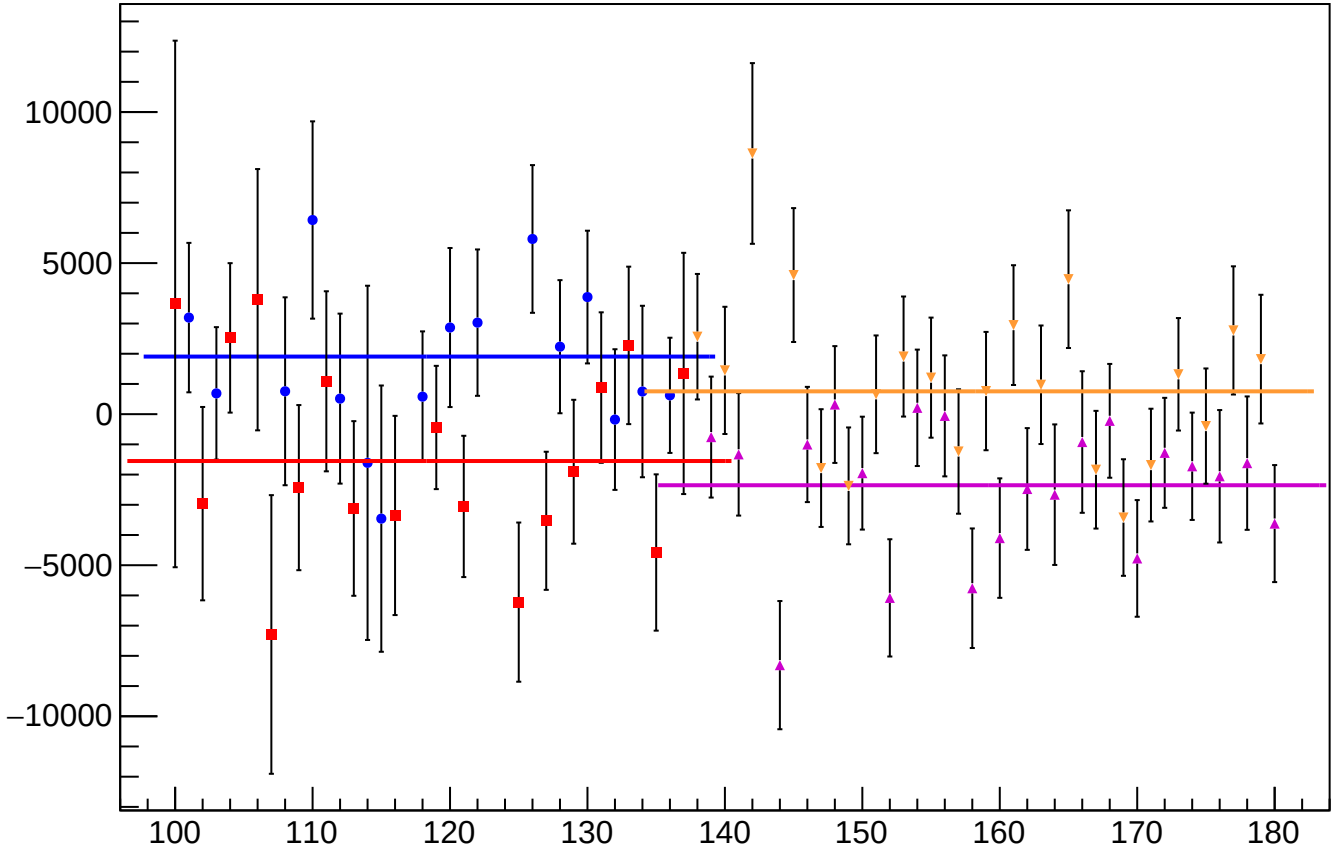
Left In: 5069.223+/-0.880 χ^2/NDF:1056496.8/20

+ sign 1214.756+/-0.282 χ^2/NDF: 30353175.7/37

All: 1186.717+/-0.201 χ^2/NDF: 62473901.7/7

- sign 1157.571+/-0.288 χ^2/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: 755.253+/-442.709 χ^2/NDF:30.1/20

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

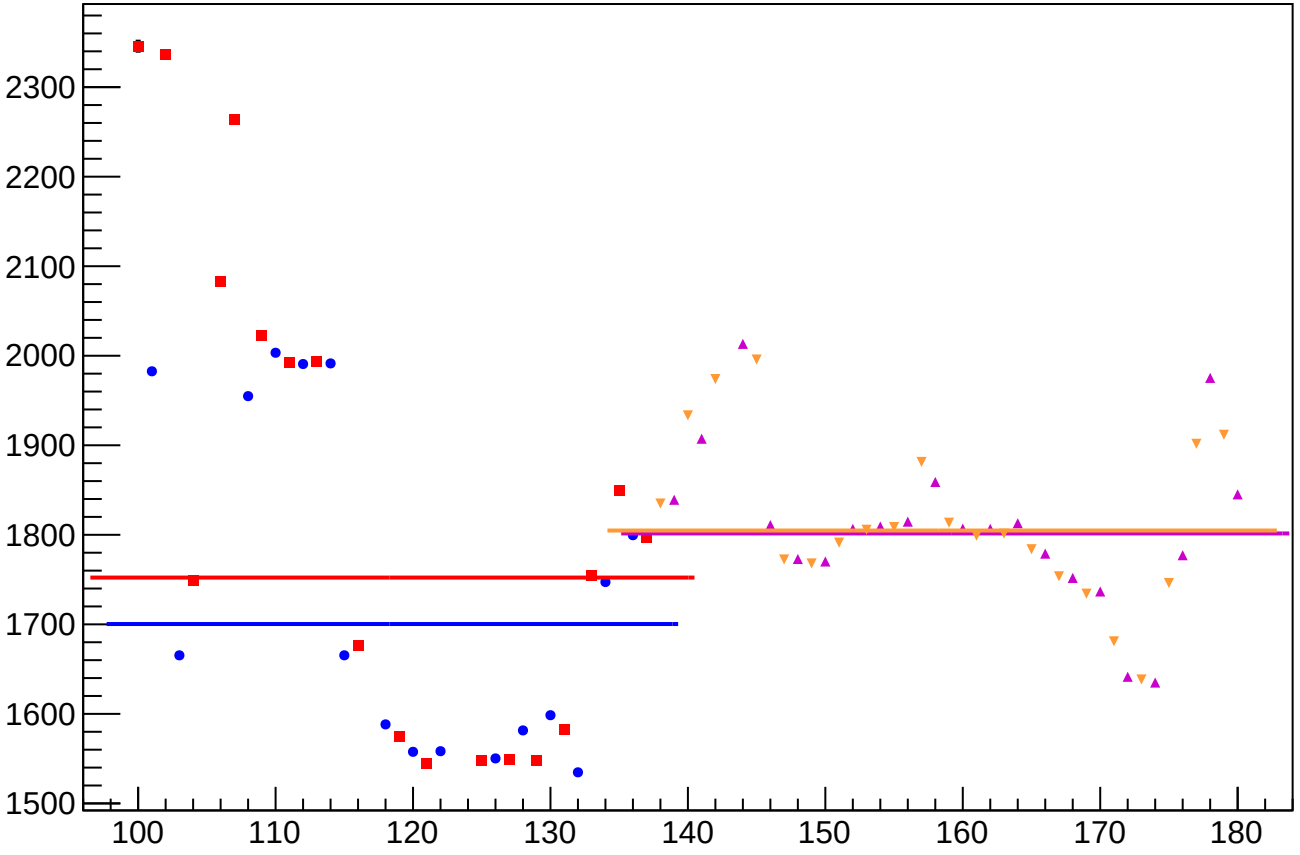
Left In: -2352.808+/-434.328 χ^2/NDF:26.0/20

+ sign 1130.564+/-363.429 χ^2/NDF: 42.6/36

All: -492.198+/-256.828 χ^2/NDF: 126.9/75

- 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: 1804.783+/-0.313 χ^2/NDF:73436.7/20

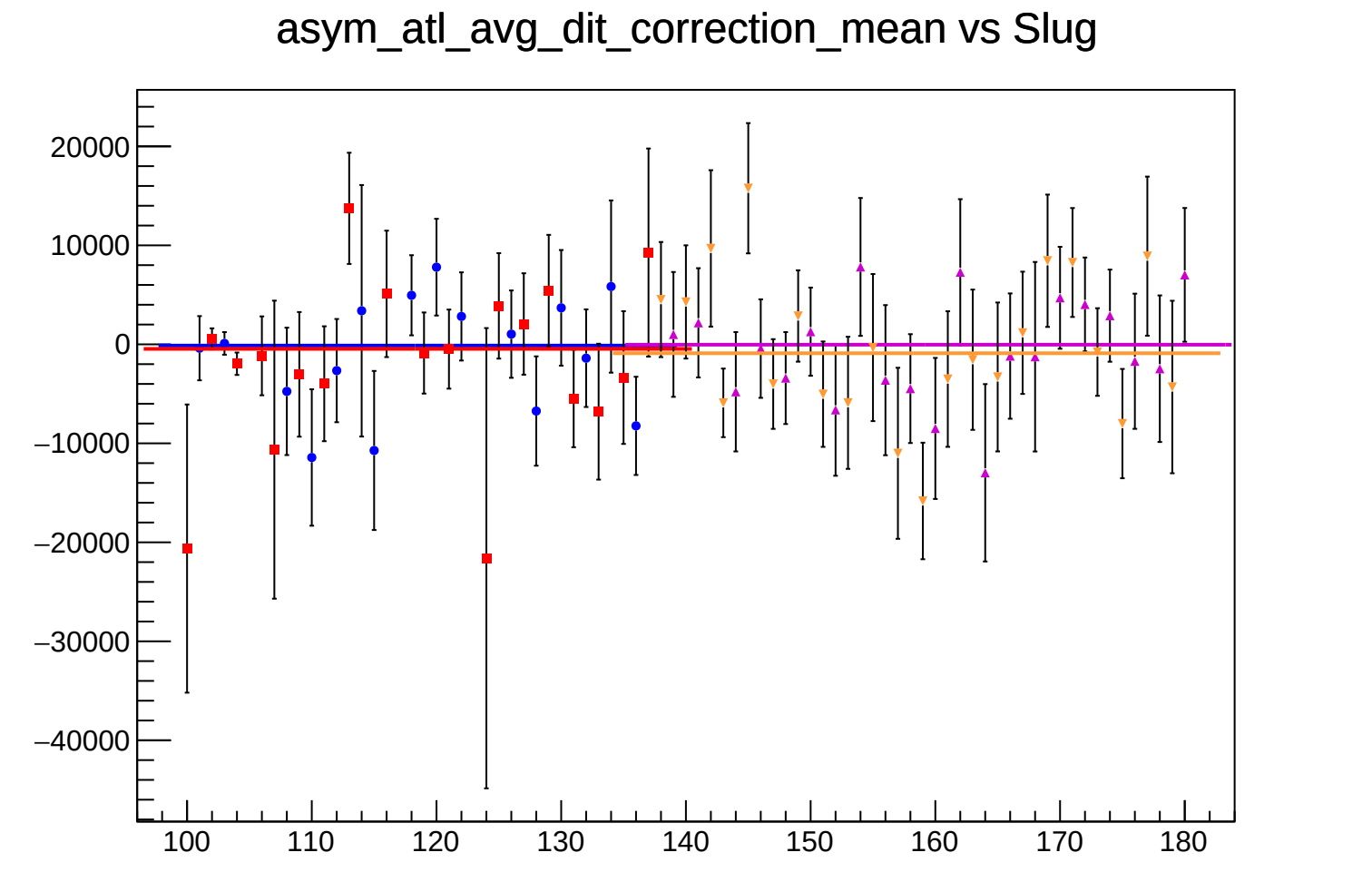
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1801.522+/-0.307 χ^2/NDF:79533.3/20

+ sign 1770.731+/-0.257 χ^2/NDF: 245142.5/36

All: 1778.688+/-0.182 χ^2/NDF: 582331.4/75

- 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: -896.052+/-1240.817 χ^2/NDF:30.5/21

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

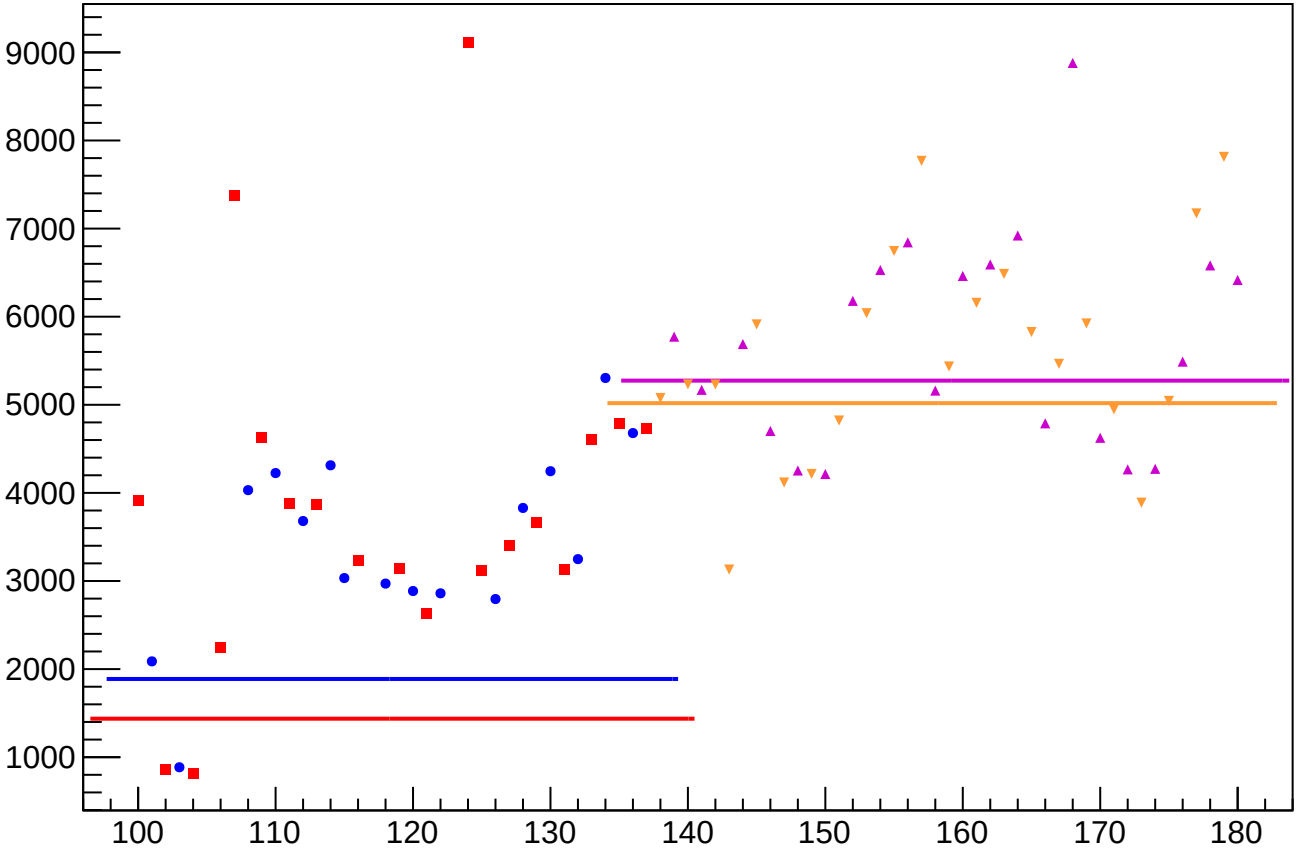
Left In: -34.657+/-1298.841 χ^2/NDF:12.3/20

+ sign -378.518+/-711.052 χ^2/NDF: 45.8/37

All: -372.522+/-459.381 χ^2/NDF: 76.7/77

- sign -368.227+/-601.845 χ^2/NDF: 30.9/39

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 5018.874+/-0.877 χ^2/NDF:1837456.8/21

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

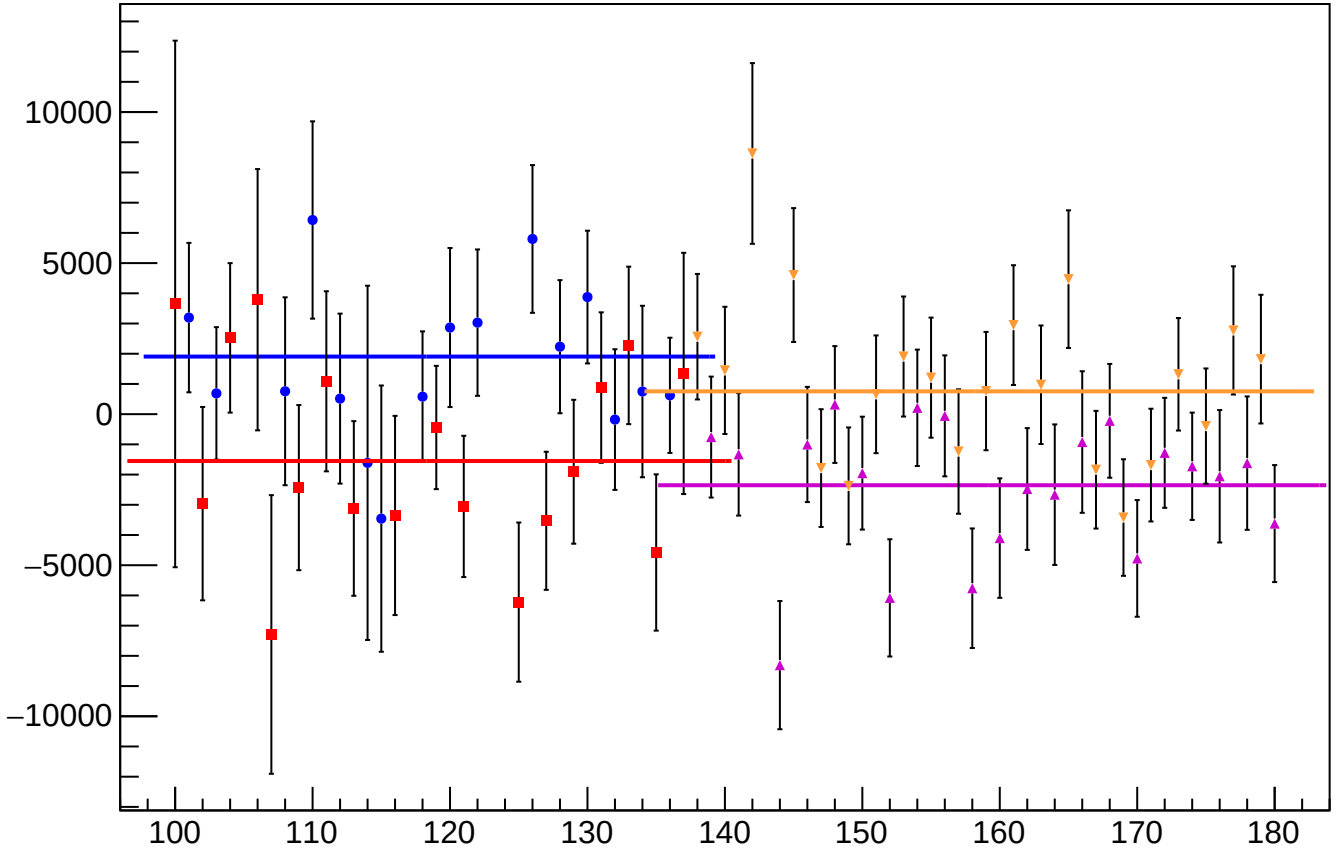
Left In: 5274.307+/-0.918 χ^2/NDF:1266368.8/20

+ sign 2916.141+/-0.503 χ^2/NDF: 14815088.3/37

All: 2534.451+/-0.325 χ^2/NDF: 36742861.6/7

- 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: 755.249+/-442.709 χ^2/NDF:30.1/20

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

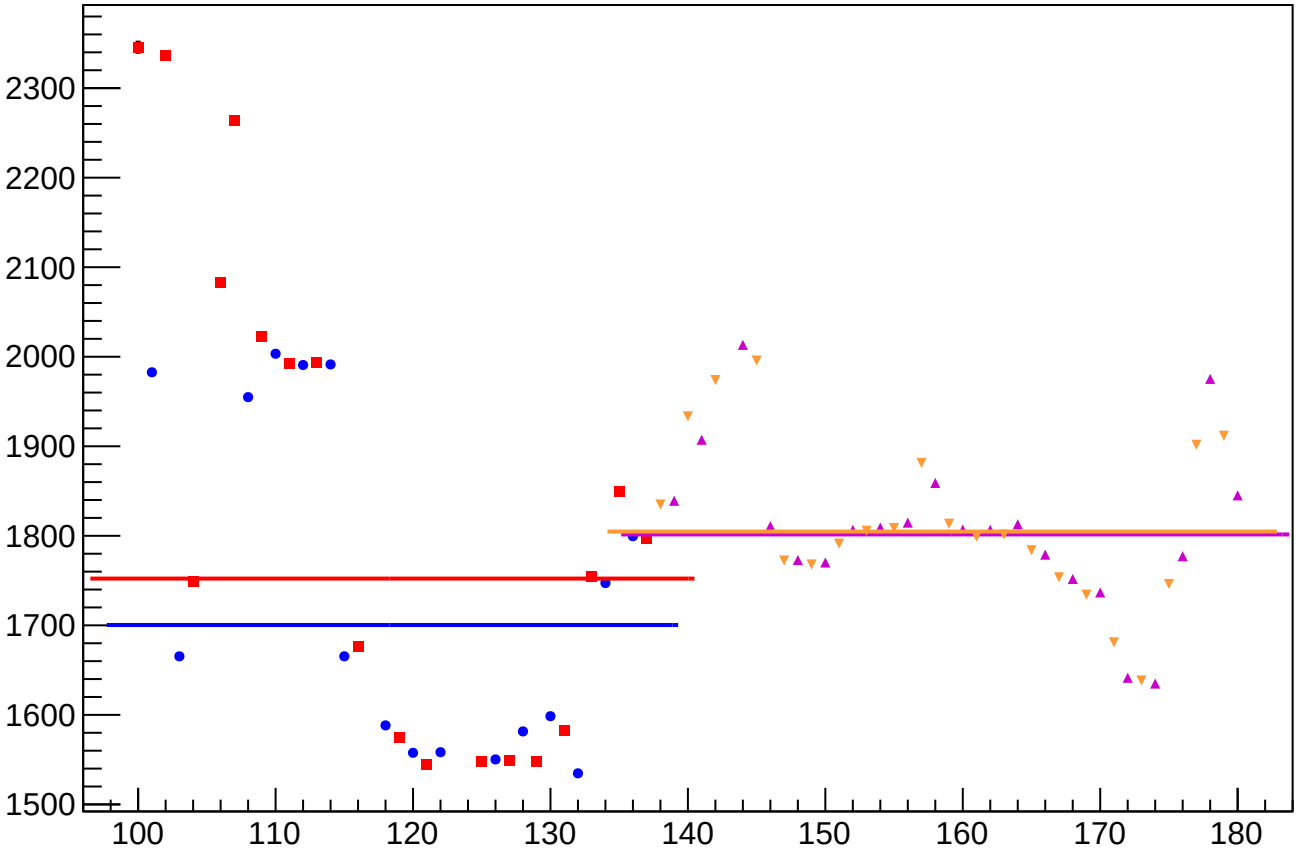
Left In: -2352.808+/-434.329 χ^2/NDF:26.0/20

+ sign 1130.561+/-363.429 χ^2/NDF: 42.6/36

All: -492.199+/-256.828 χ^2/NDF: 126.9/75

- 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: 1804.784+/-0.313 χ^2/NDF:73440.4/20

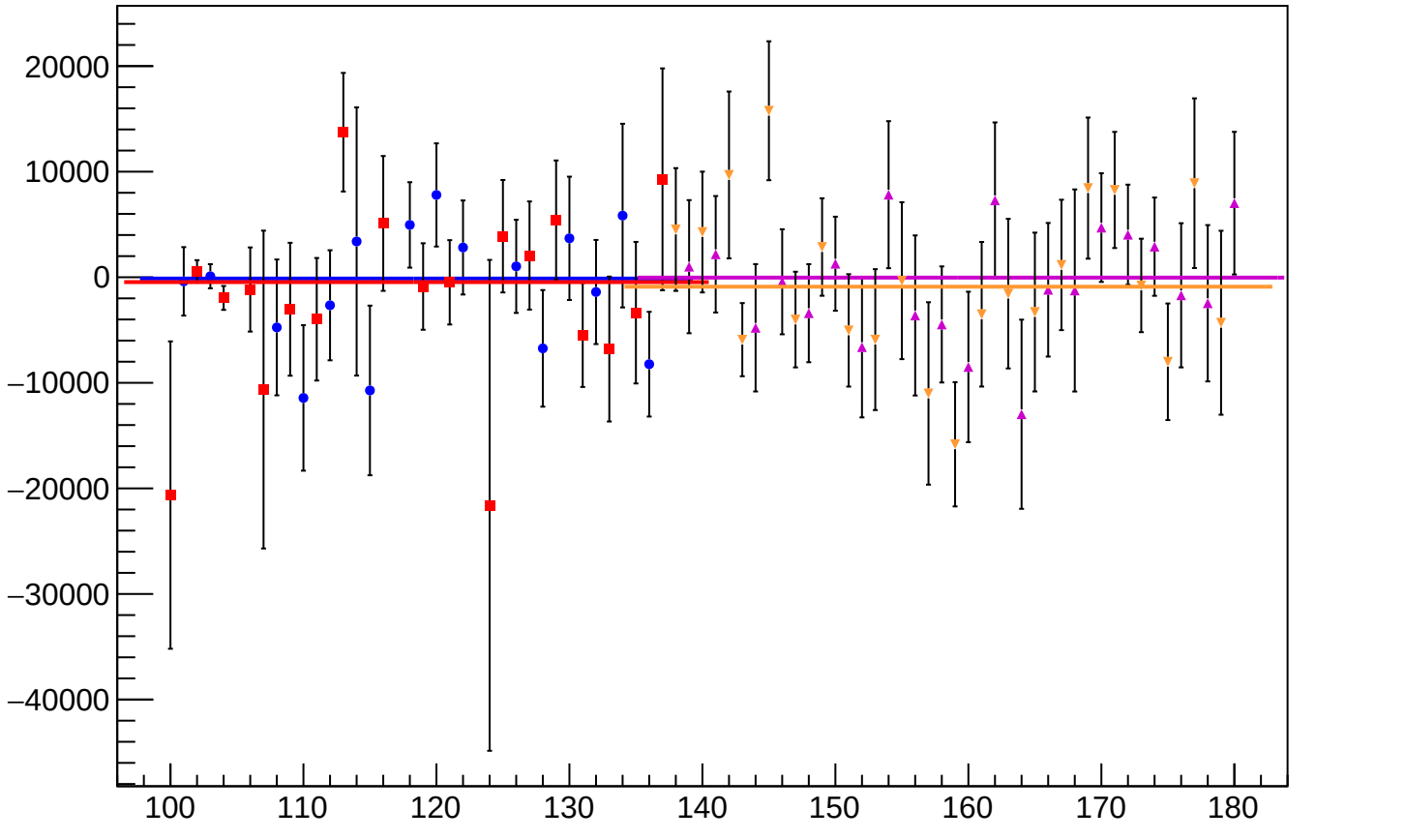
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1801.523+/-0.307 χ^2/NDF:79536.7/20

+ sign 1770.732+/-0.257 χ^2/NDF: 245147.5/36

All: 1778.689+/-0.182 χ^2/NDF: 582339.8/75

- 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: -896.058+/-1240.819 χ^2/NDF:30.5/21

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

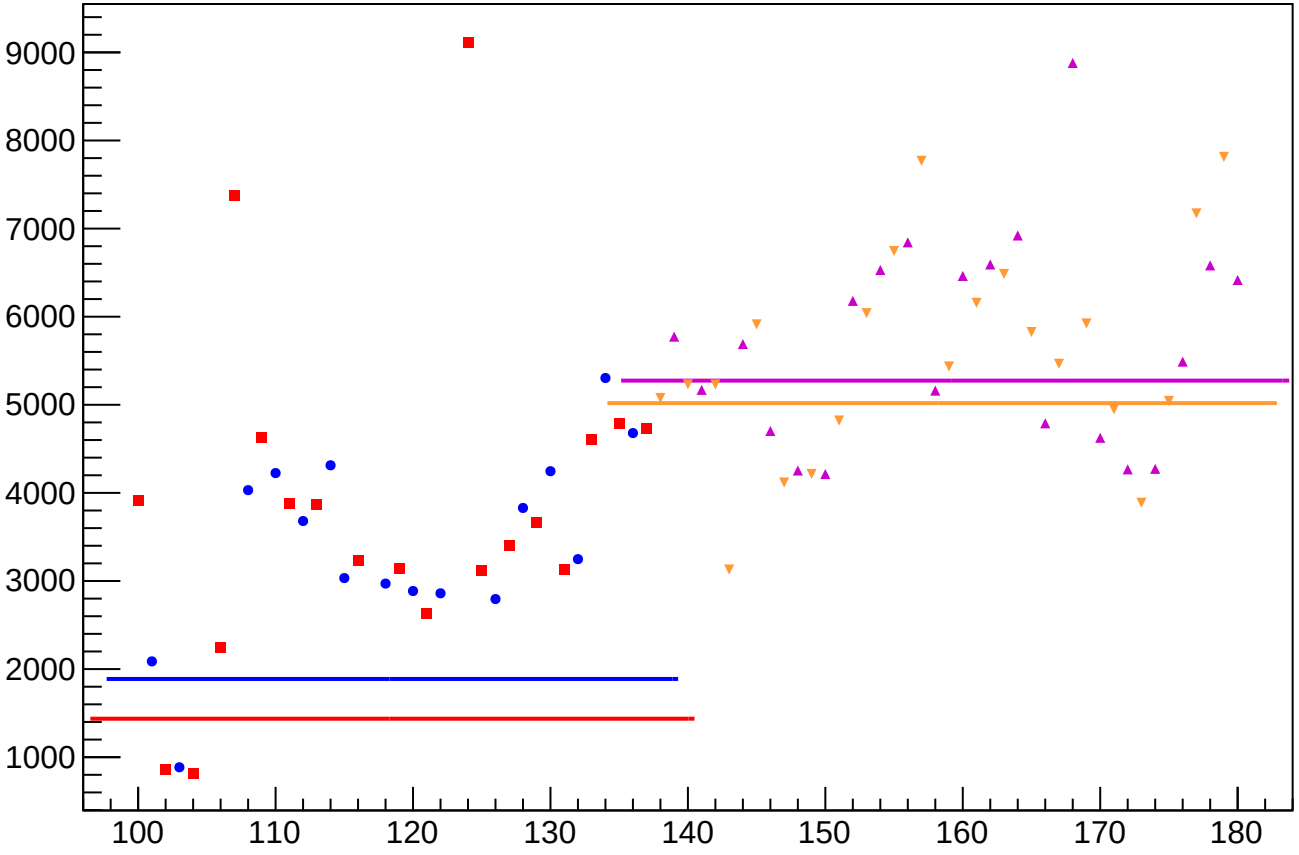
Left In: -34.657+/-1298.843 χ^2/NDF:12.3/20

+ sign -378.515+/-711.049 χ^2/NDF: 45.8/37

All: -372.521+/-459.379 χ^2/NDF: 76.7/77

- 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: 5018.882+/-0.877 χ^2/NDF:1837463.6/21

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

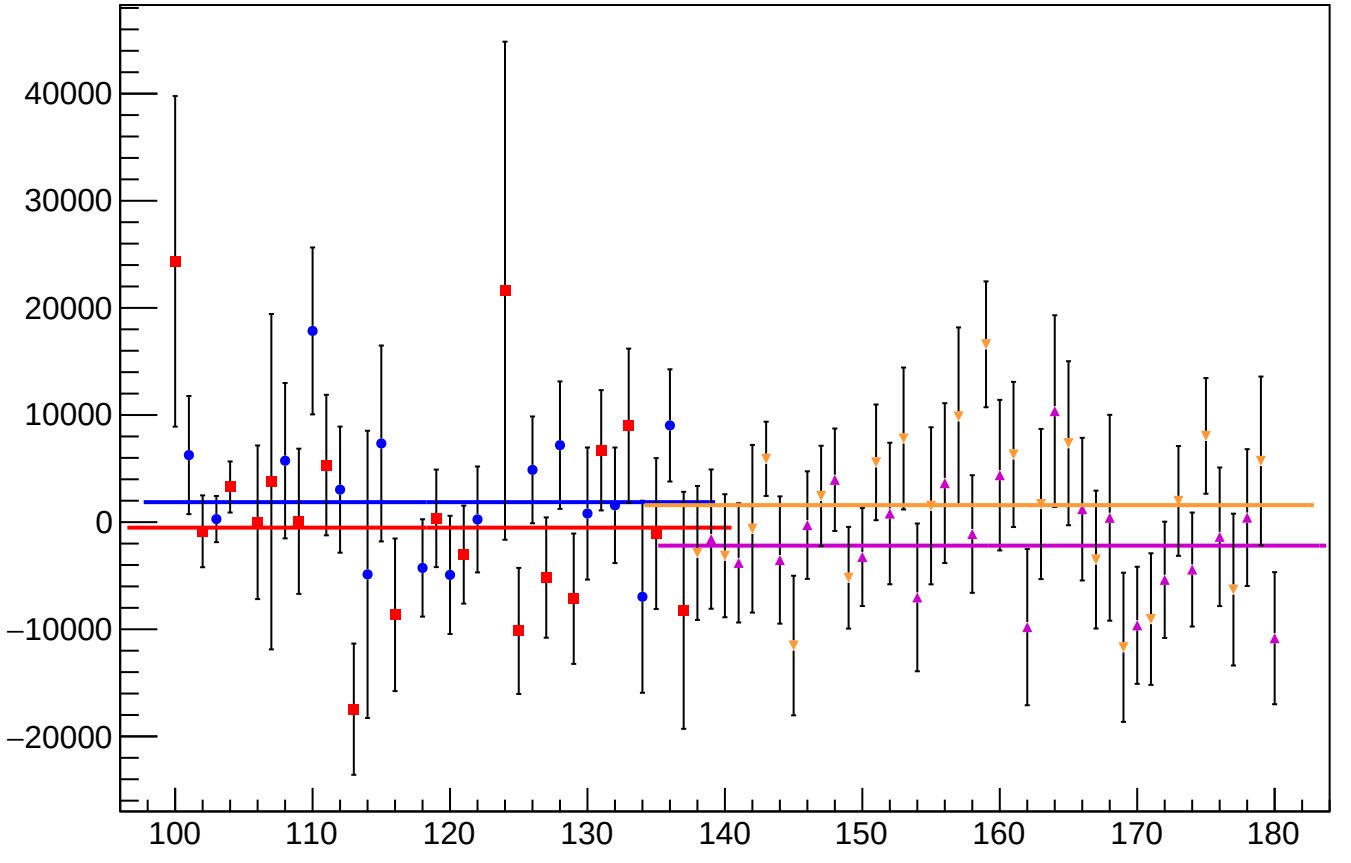
Left In: 5274.316+/-0.918 χ^2/NDF:1266370.0/20

+ sign 2916.121+/-0.503 χ^2/NDF: 14815281.0/37

All: 2534.430+/-0.325 χ^2/NDF: 36743269.0/7

- 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: 1588.445+/-1262.826 χ^2/NDF:29.2/21

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

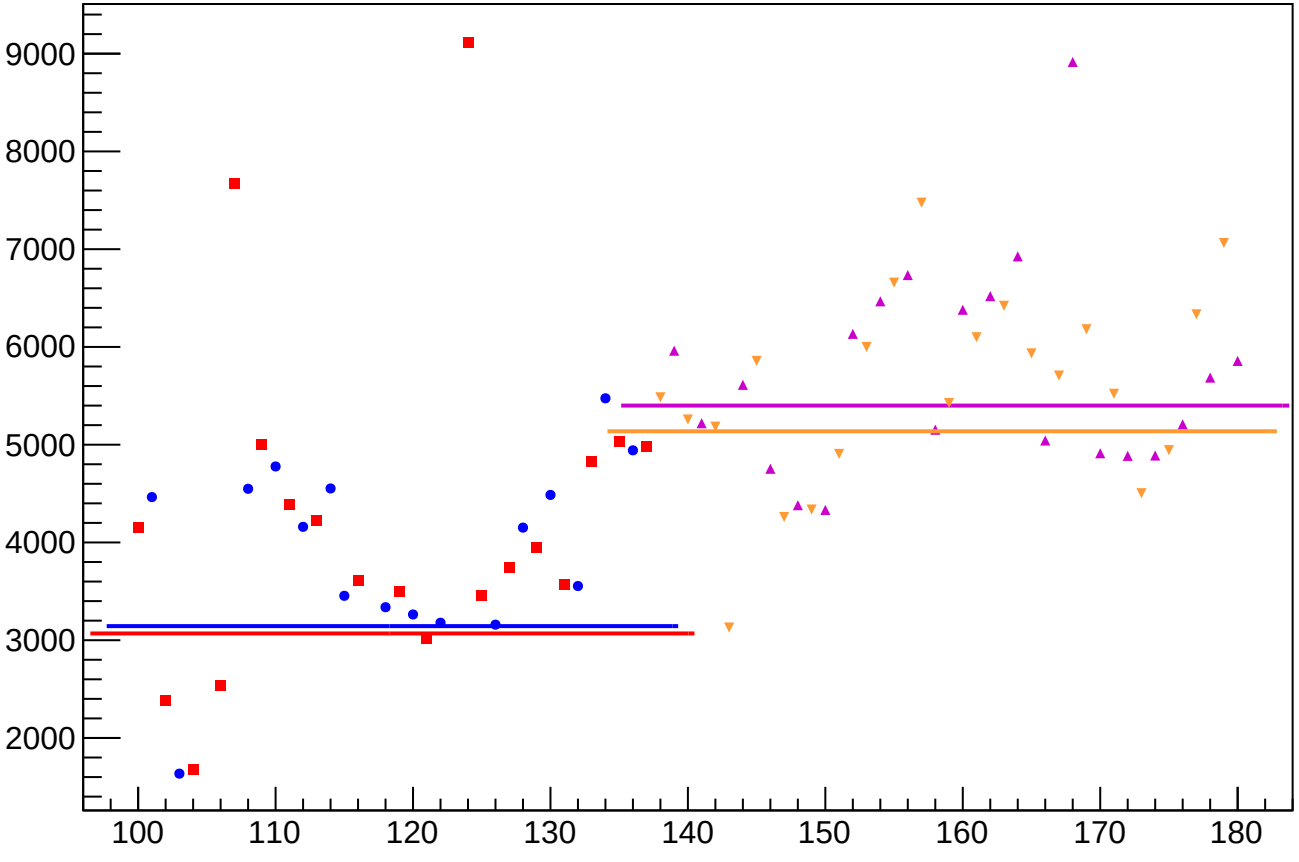
Left In: -2193.244+/-1321.115 χ^2/NDF:12.1/20

+ sign 1727.933+/-891.664 χ^2/NDF: 43.0/37

All: 235.606+/-635.066 χ^2/NDF: 86.3/77

- 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: 5137.264+/-0.893 χ^2/NDF:1524174.1/21

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

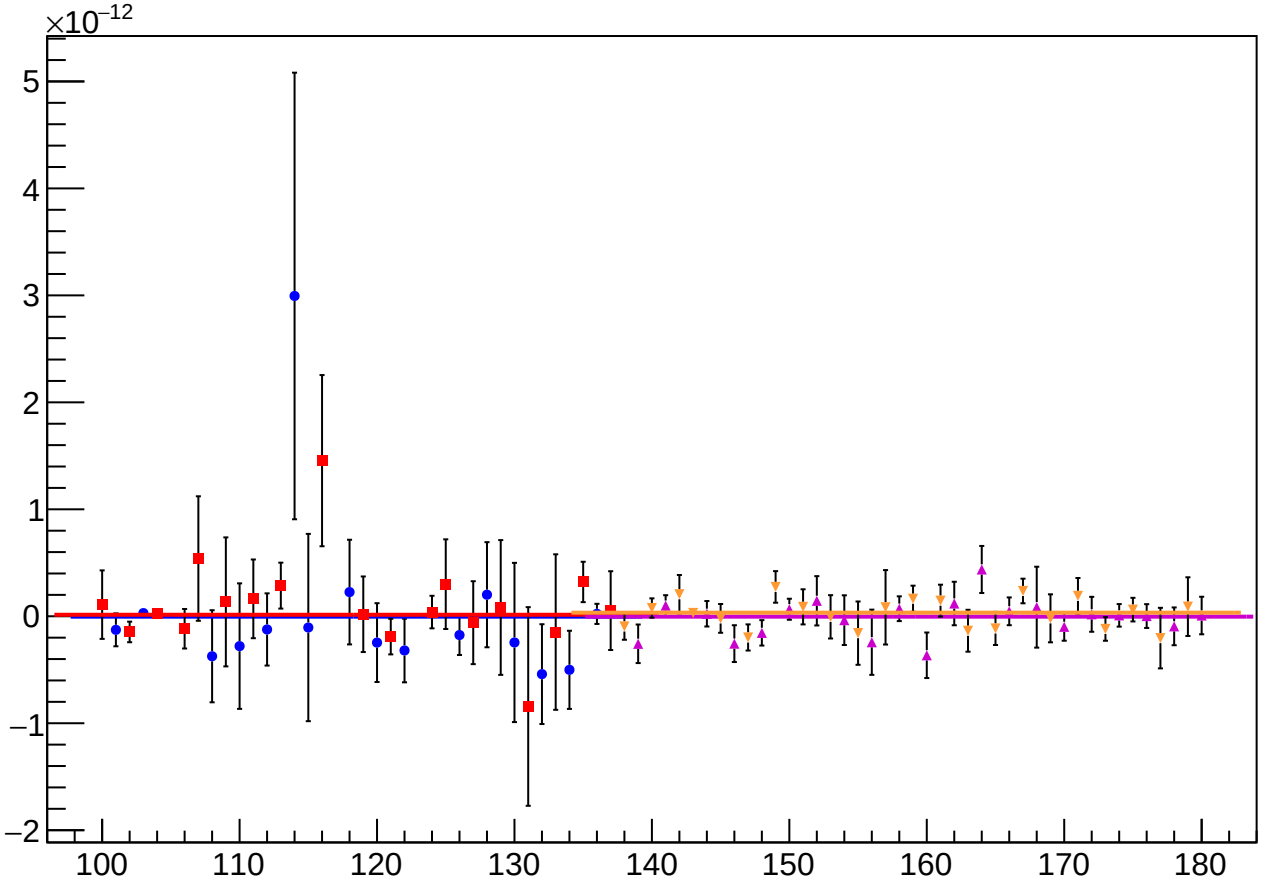
Left In: 5400.127+/-0.934 χ^2/NDF:879610.9/20

+ sign 4137.822+/-0.631 χ^2/NDF: 5905561.5/37

All: 4140.923+/-0.447 χ^2/NDF: 12021989.8/7

- 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:19.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

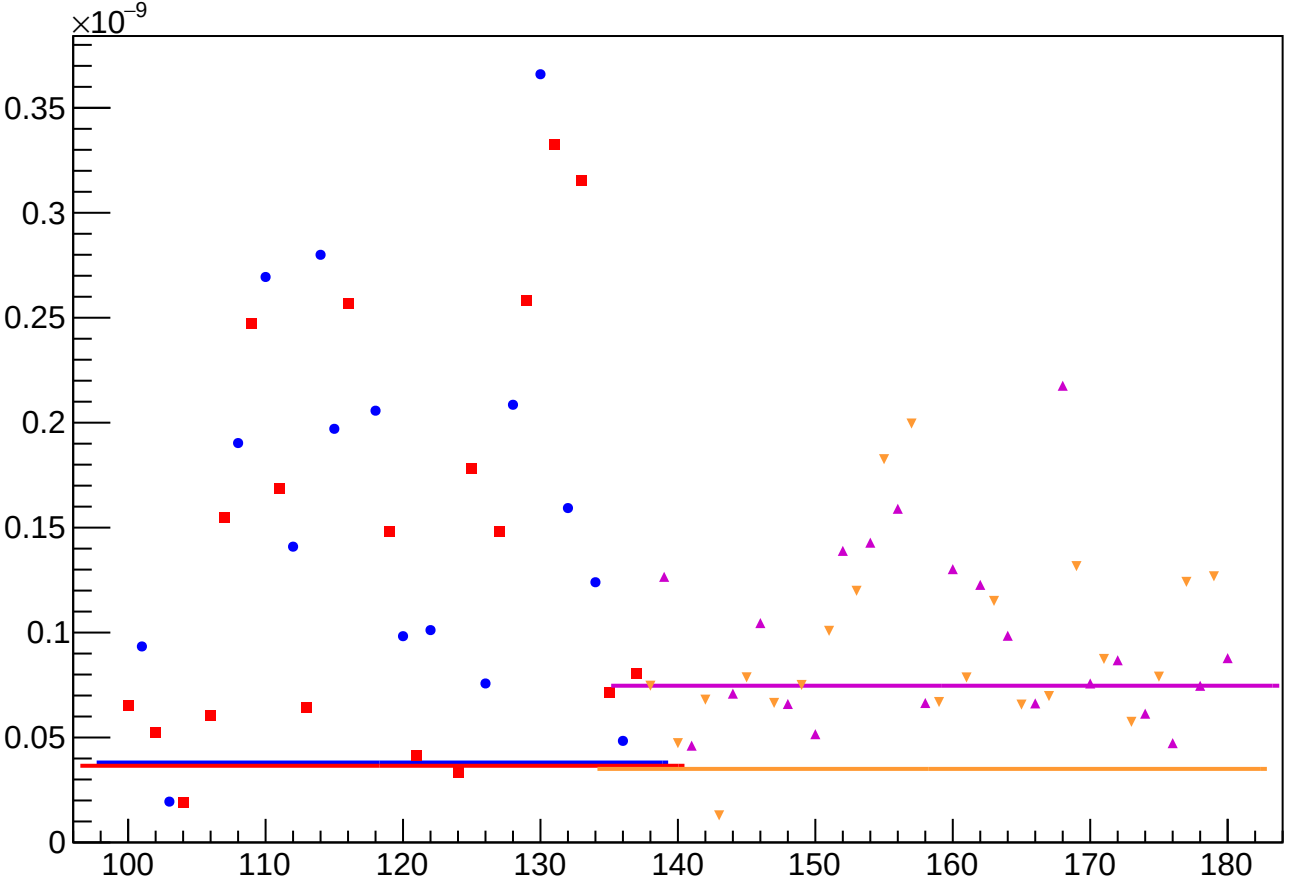
Left In: -0.000+/-0.000 χ^2/NDF:17.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 30.9/37

All: 0.000+/-0.000 χ^2/NDF: 63.7/77

- 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:6500047.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

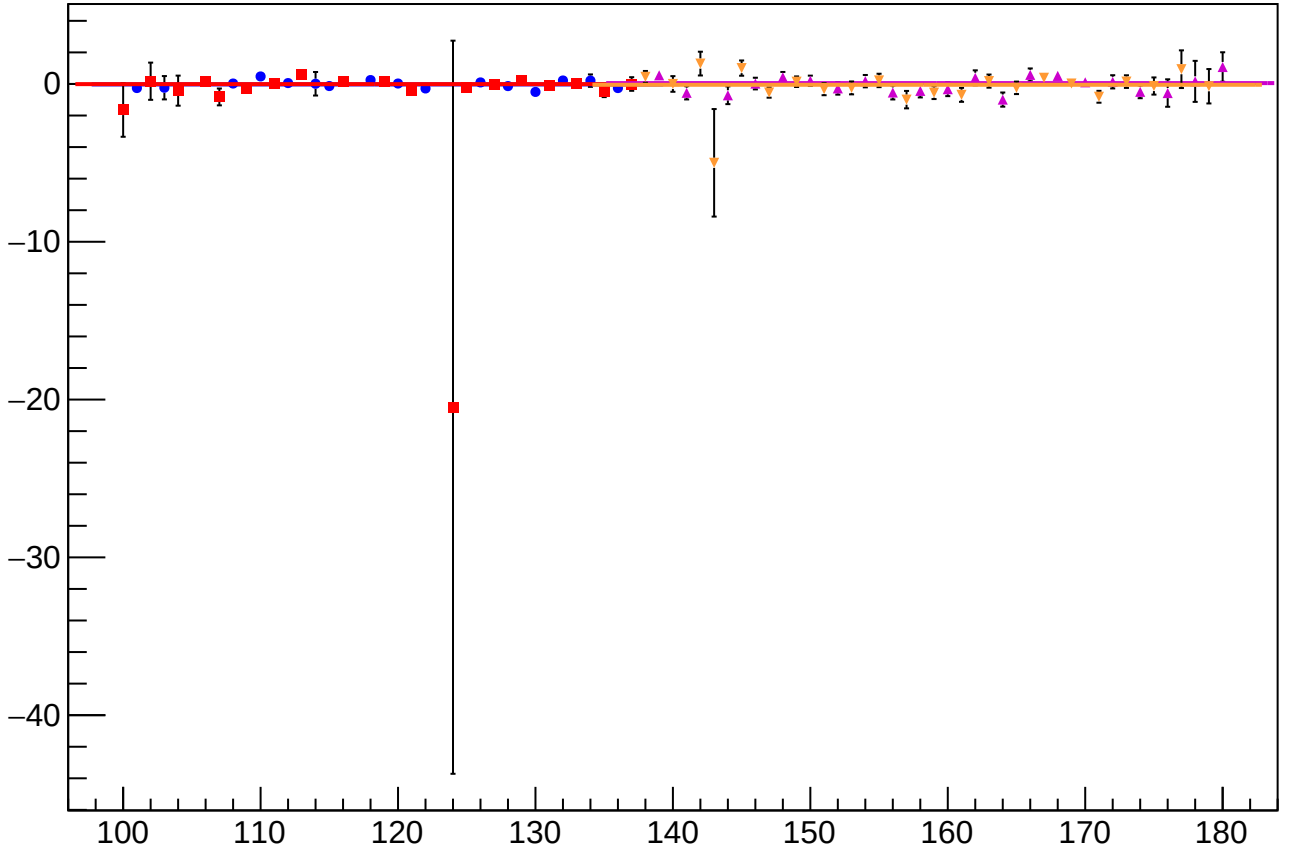
Left In: 0.000+/-0.000 χ^2/NDF:1752942.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 9400754.7/37

All: 0.000+/-0.000 χ^2/NDF: 16312928.2/77

- 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: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

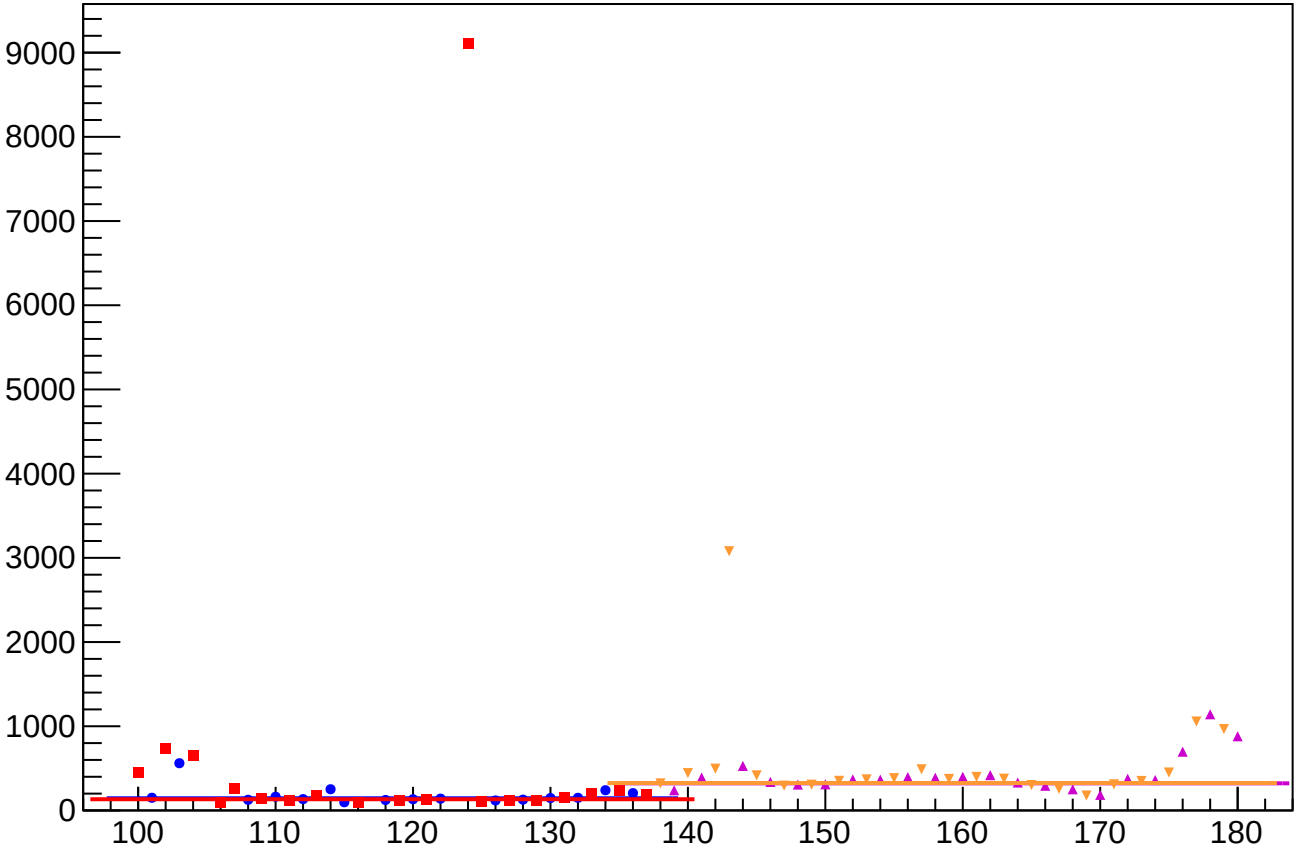
Left In: 0.054+/-0.084 χ^2/NDF:27.5/20

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/37

All: -0.013+/-0.034 χ^2/NDF: 97.7/77

- 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: 325.519+/-0.061 χ^2/NDF:4762227.7/21

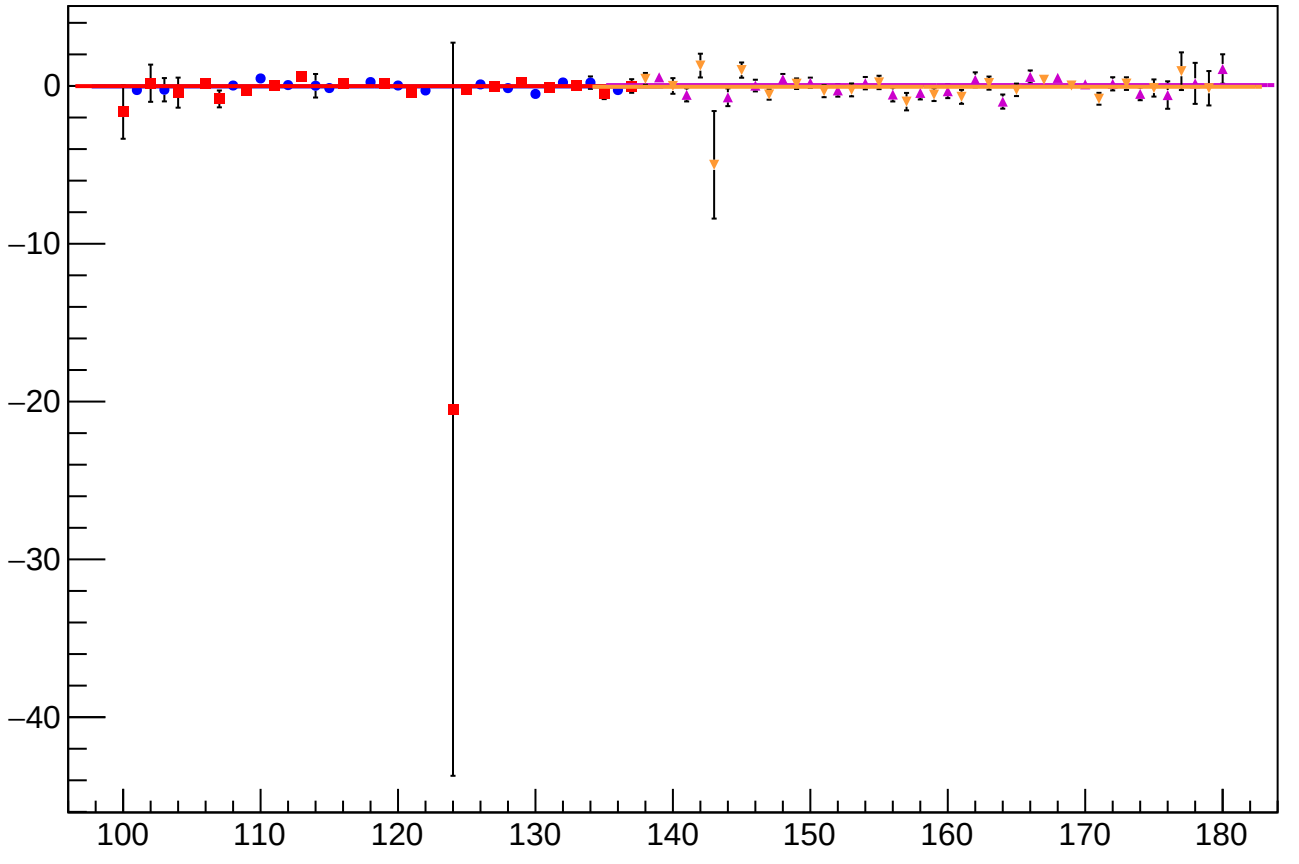
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 322.133+/-0.059 χ^2/NDF:3762964.5/20

+ sign 200.854+/-0.034 χ^2/NDF: 12021932.1/37

All: 196.521+/-0.024 χ^2/NDF: 25032488.6/77

- sign 192.390+/-0.033 χ^2/NDF: 12978672.8/39



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

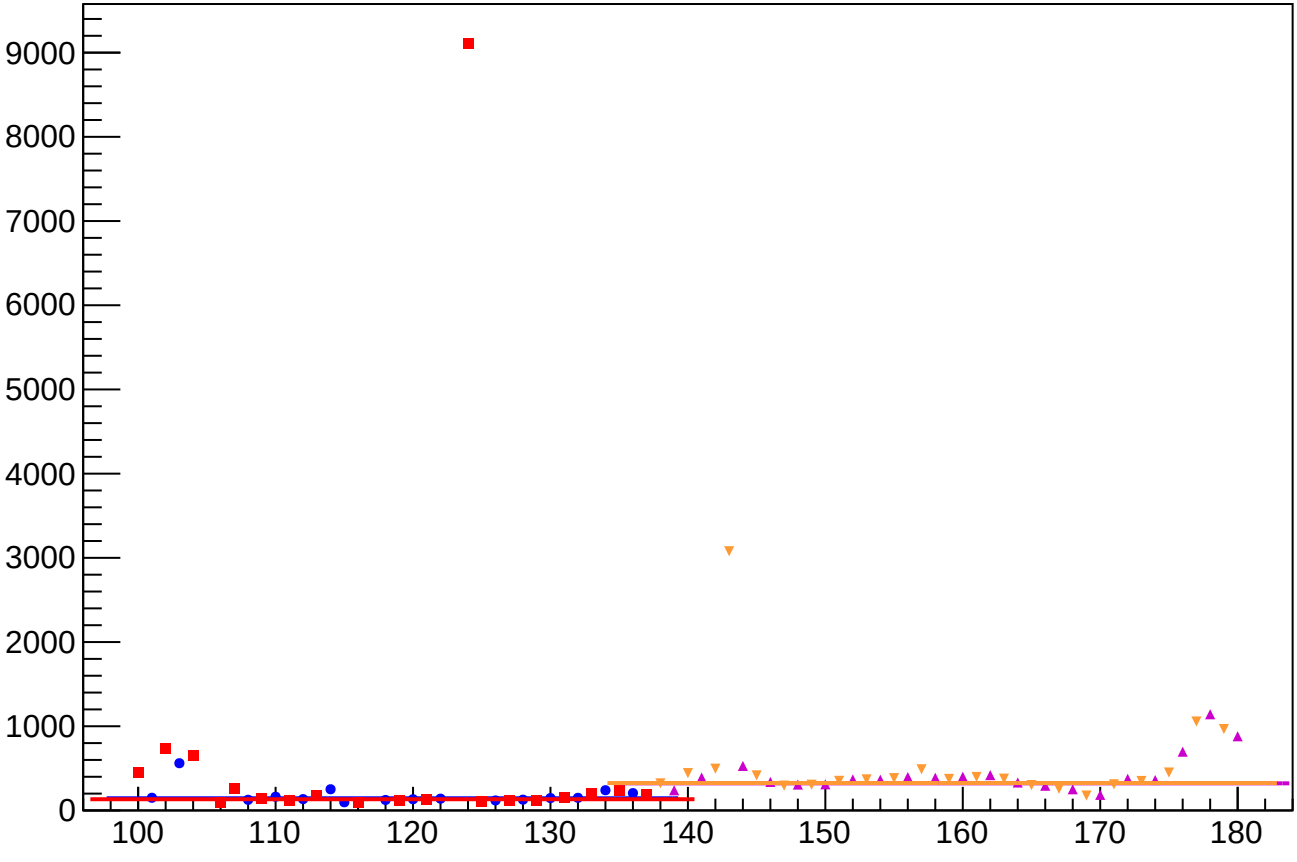
Left In: 0.054+/-0.084 χ^2/NDF:27.5/20

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/37

All: -0.013+/-0.034 χ^2/NDF: 97.7/77

- 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: 325.519+/-0.061 χ^2/NDF:4762227.7/21

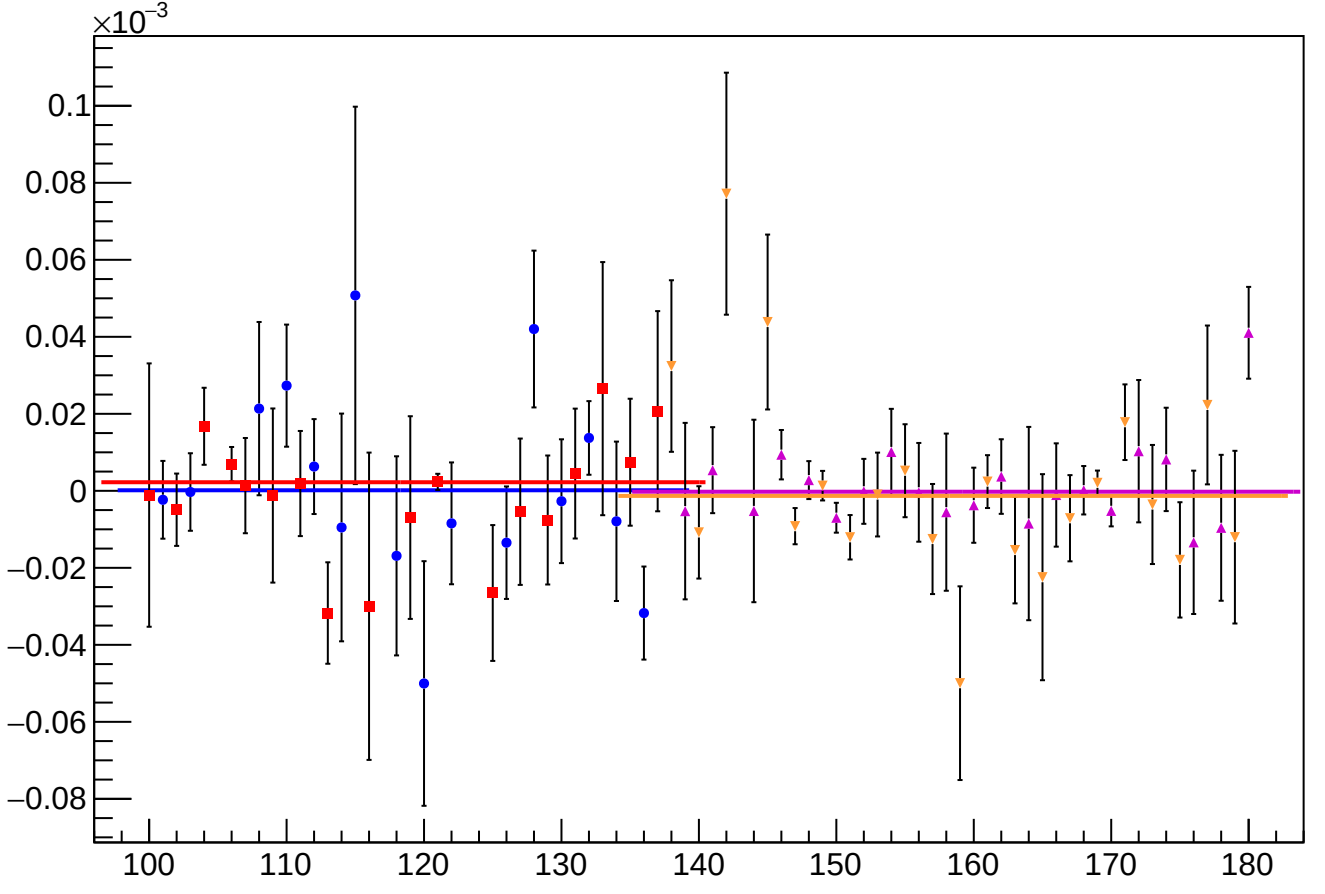
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 322.133+/-0.059 χ^2/NDF:3762964.5/20

+ sign 200.854+/-0.034 χ^2/NDF: 12021932.1/37

All: 196.521+/-0.024 χ^2/NDF: 25032488.6/77

- 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:34.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

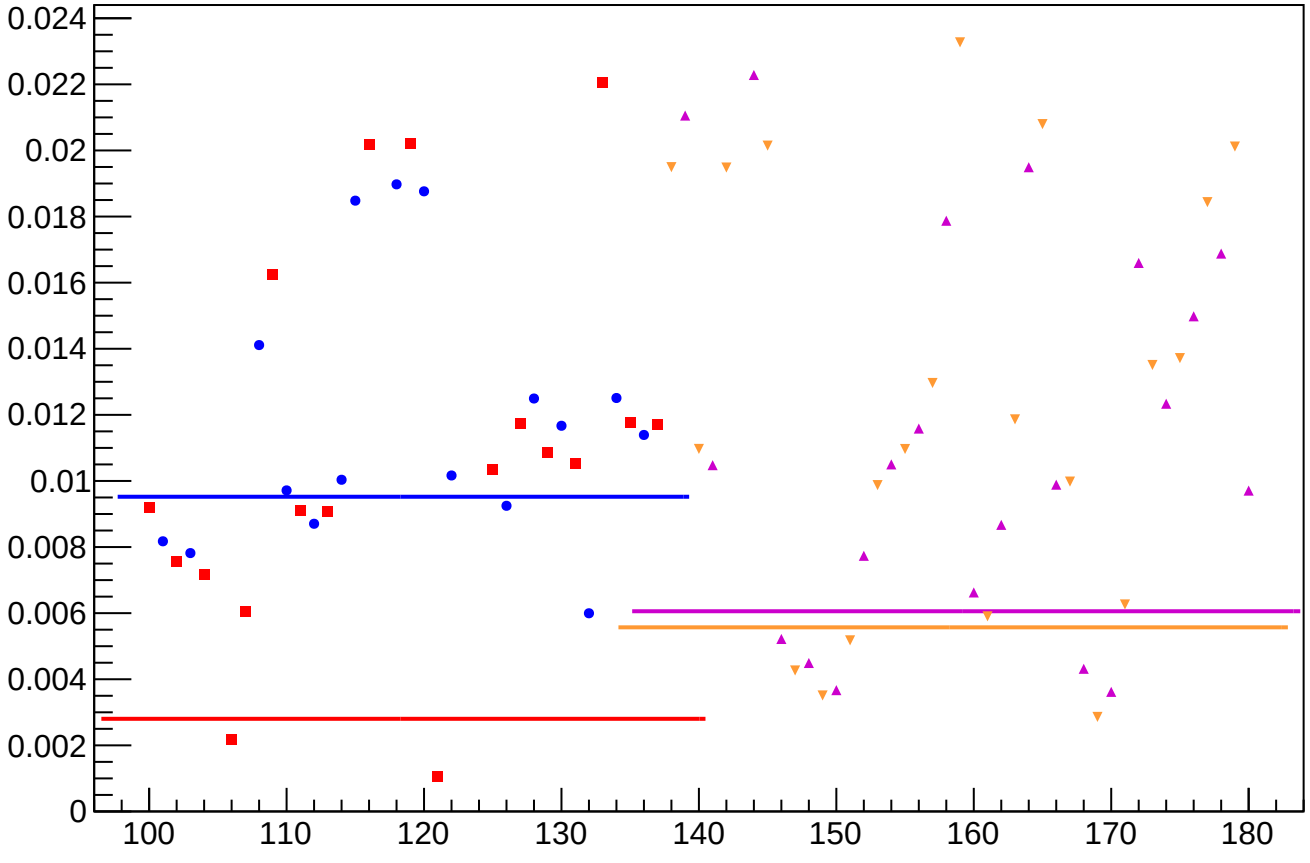
Left In: -0.000+/-0.000 χ^2/NDF:22.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 57.4/36

All: 0.000+/-0.000 χ^2/NDF: 97.3/75

- 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:10947965.0/20

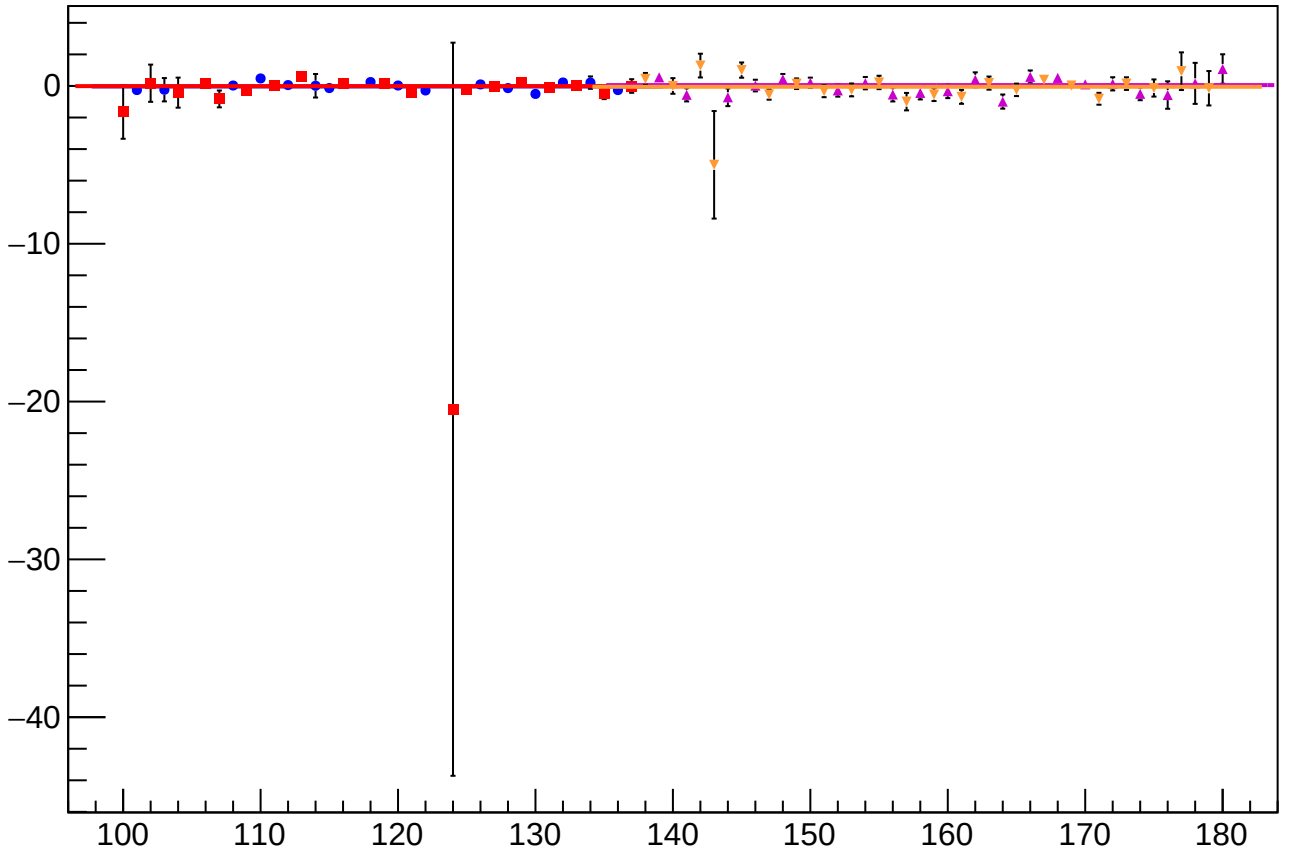
Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:8697817.8/20

+ sign 0.006+/-0.000 χ^2/NDF: 13916561.6/36

All: 0.005+/-0.000 χ^2/NDF: 36422337.2/75

- sign 0.004+/-0.000 χ^2/NDF: 20695420.0/38



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

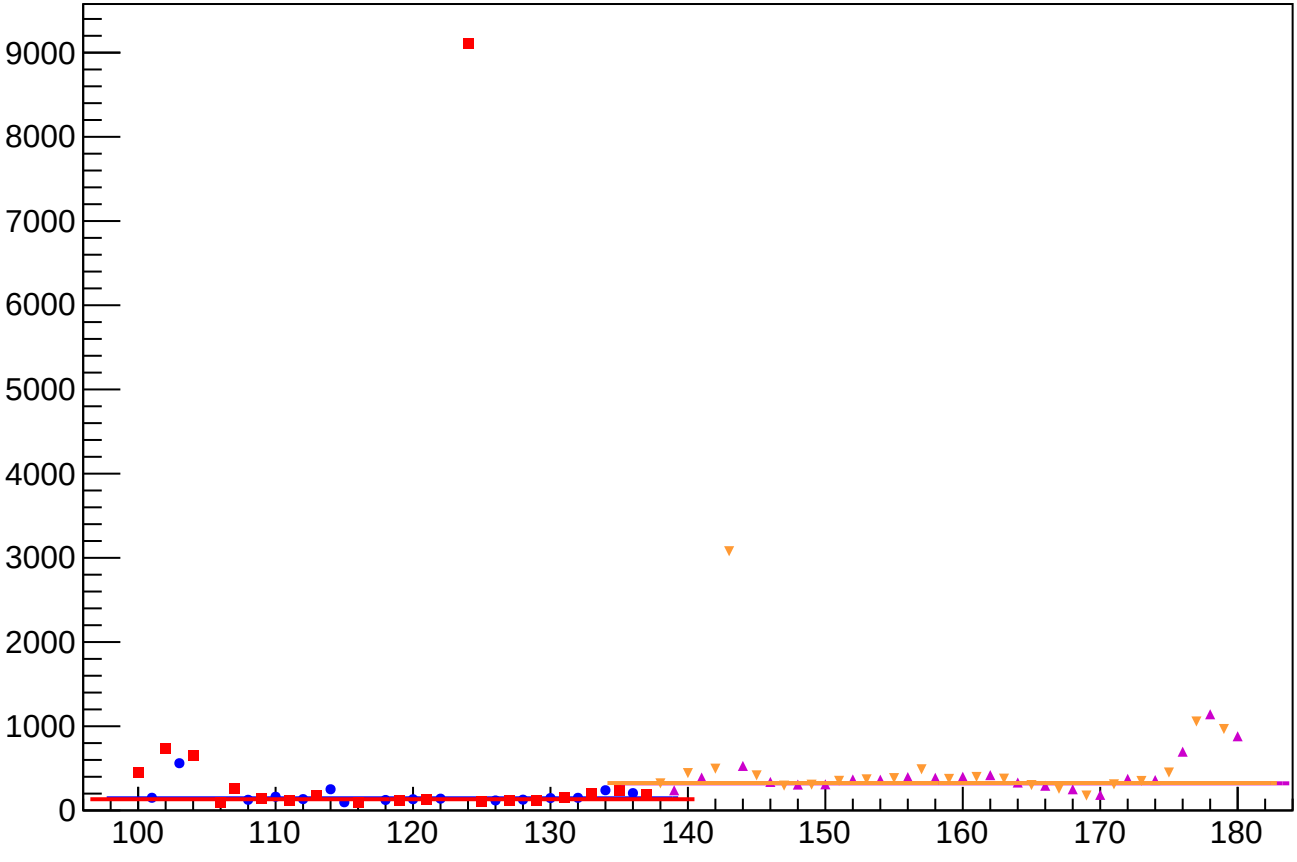
Left In: 0.054+/-0.084 χ^2/NDF:27.5/20

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/37

All: -0.013+/-0.034 χ^2/NDF: 97.7/77

- 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: 325.521+/-0.061 χ^2/NDF:4762293.6/21

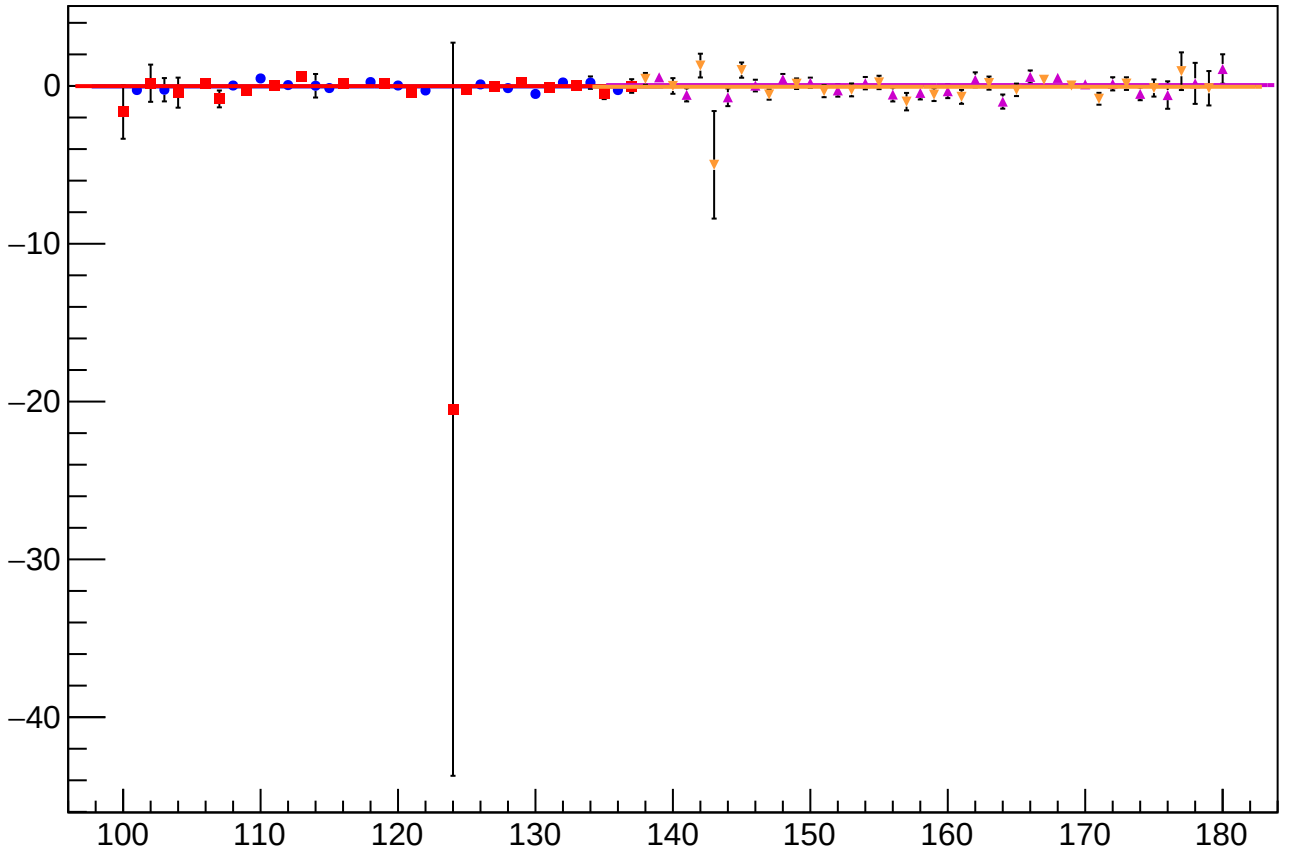
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 322.136+/-0.059 χ^2/NDF:3762971.8/20

+ sign 200.852+/-0.034 χ^2/NDF: 12022231.4/37

All: 196.520+/-0.024 χ^2/NDF: 25032945.5/77

- 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: -0.052+/-0.086 χ^2/NDF:30.2/21

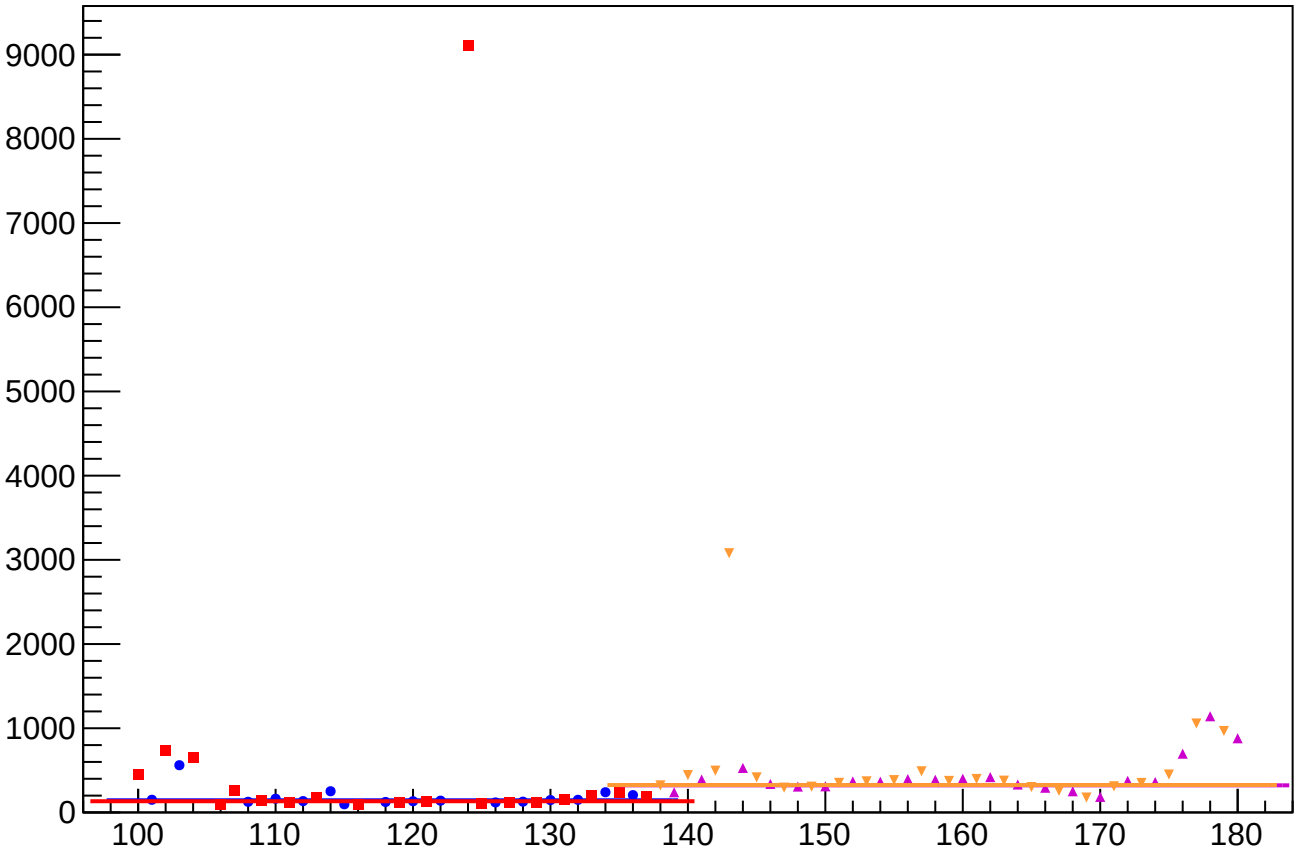
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.054+/-0.084 χ^2/NDF:27.5/20

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/37

All: -0.013+/-0.034 χ^2/NDF: 97.7/77

- 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: 325.521+/-0.061 χ^2/NDF:4762293.6/21

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

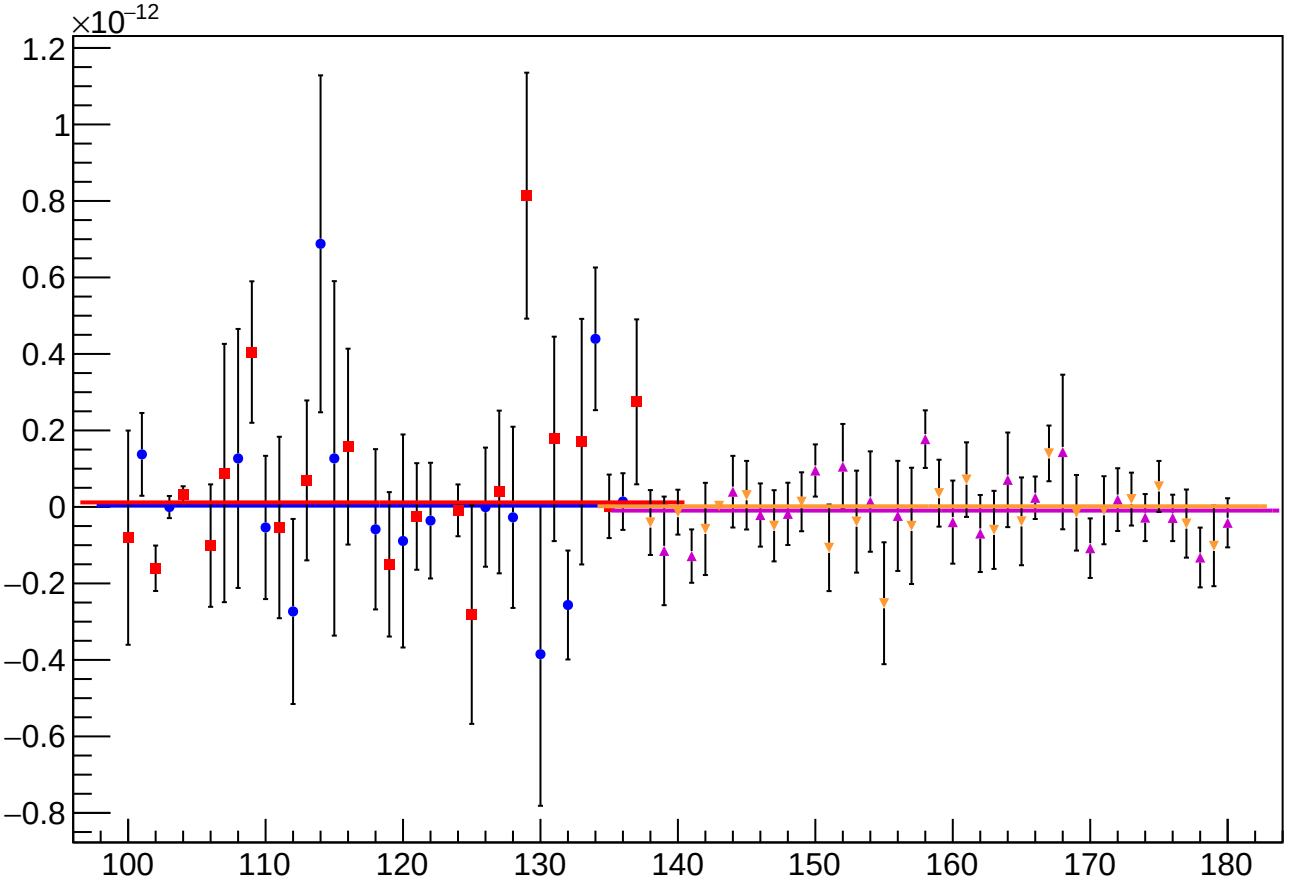
Left In: 322.136+/-0.059 χ^2/NDF:3762971.8/20

+ sign 200.852+/-0.034 χ^2/NDF: 12022231.4/37

All: 196.520+/-0.024 χ^2/NDF: 25032945.5/77

- sign 192.389+/-0.033 χ^2/NDF: 12978836.3/39

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

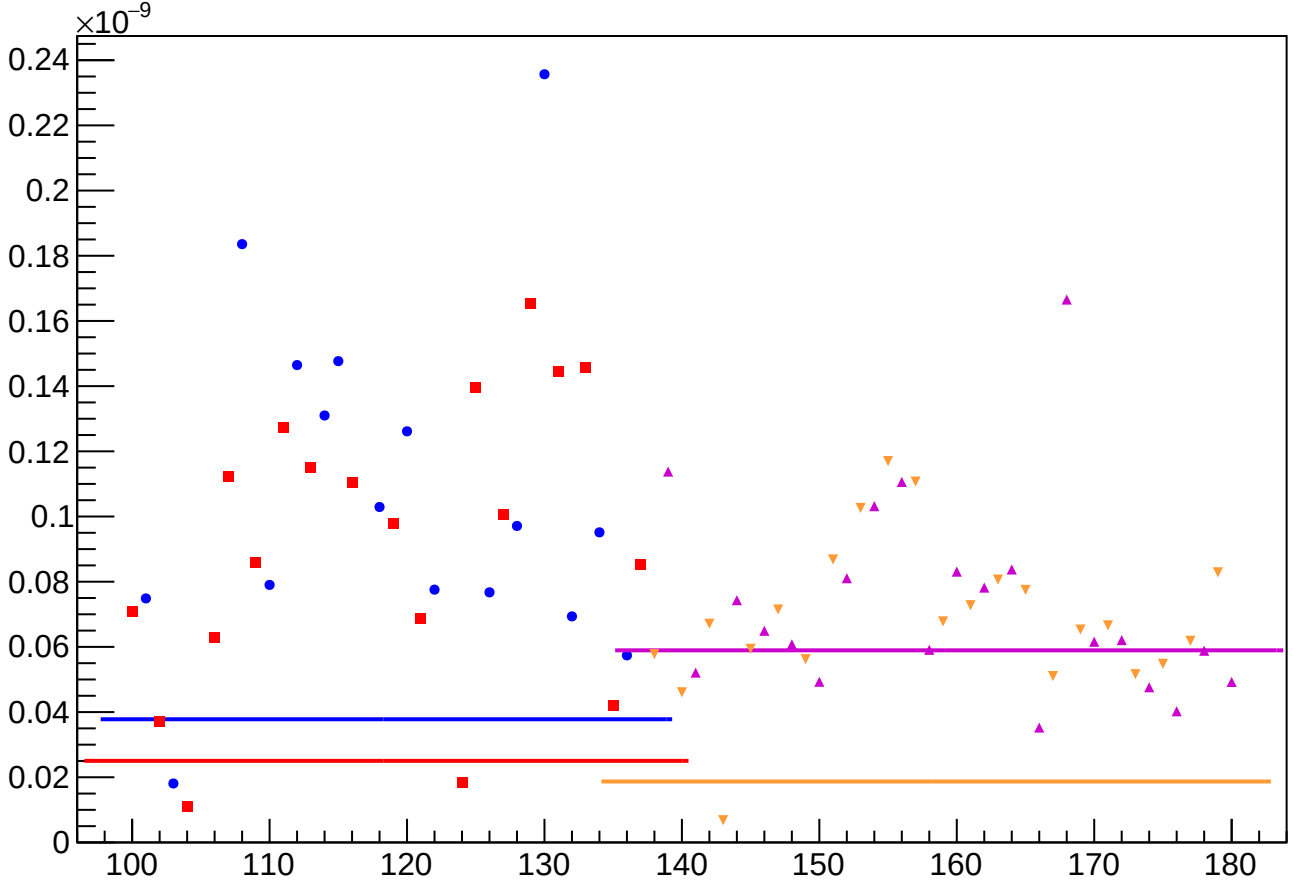
Left In: -0.000+/-0.000 χ^2/NDF:19.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 27.0/37

All: 0.000+/-0.000 χ^2/NDF: 72.6/77

- 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:14695862.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

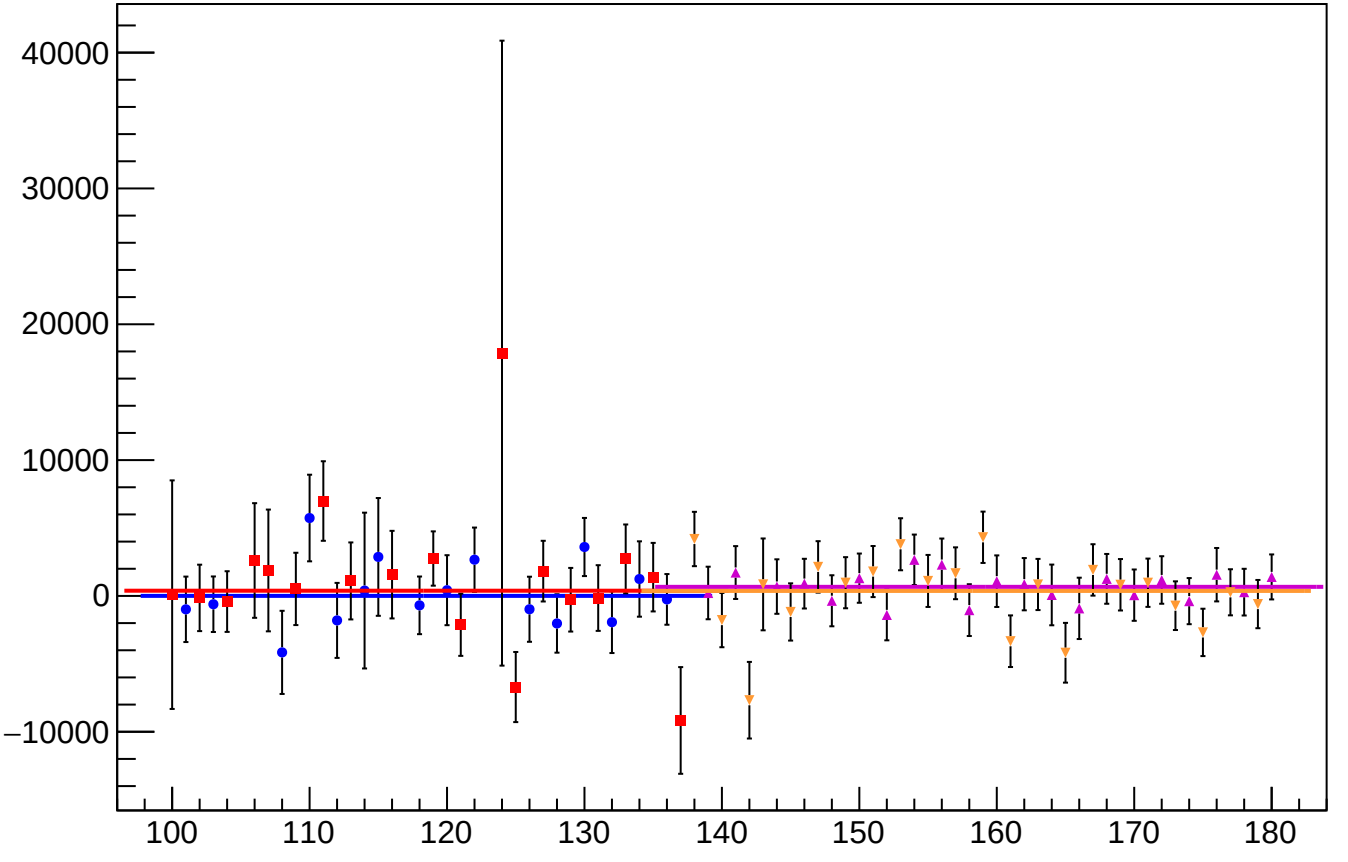
Left In: 0.000+/-0.000 χ^2/NDF:2478568.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 19756723.1/37

All: 0.000+/-0.000 χ^2/NDF: 34285844.8/77

- 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: 368.289+/-414.241 χ^2/NDF:36.0/21

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

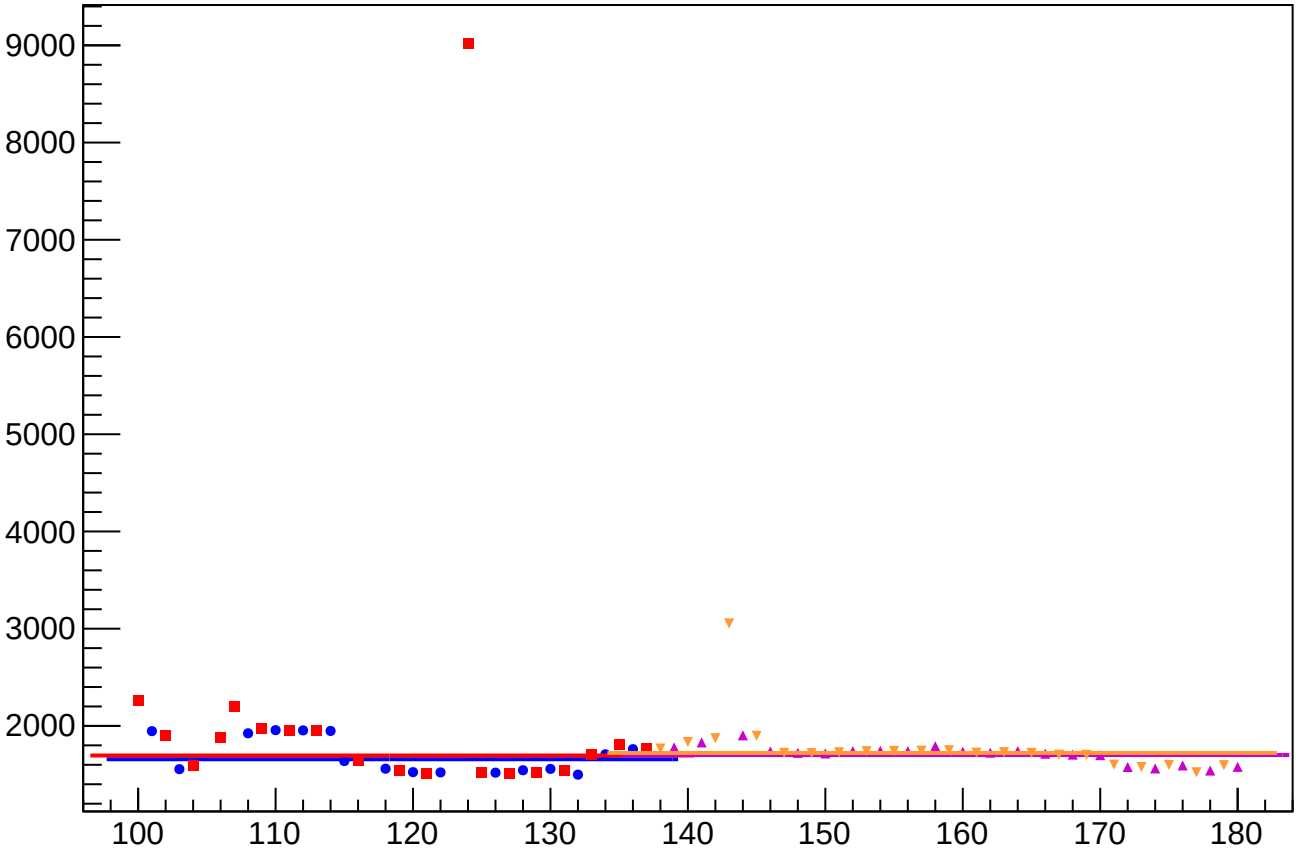
Left In: 669.418+/-410.098 χ^2/NDF:6.4/20

\+ sign 255.951+/-344.420 χ^2/NDF: 48.7/37

All: 420.733+/-243.496 χ^2/NDF: 79.7/77

\- 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: 1722.064+/-0.293 χ^2/NDF:409299.7/21

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

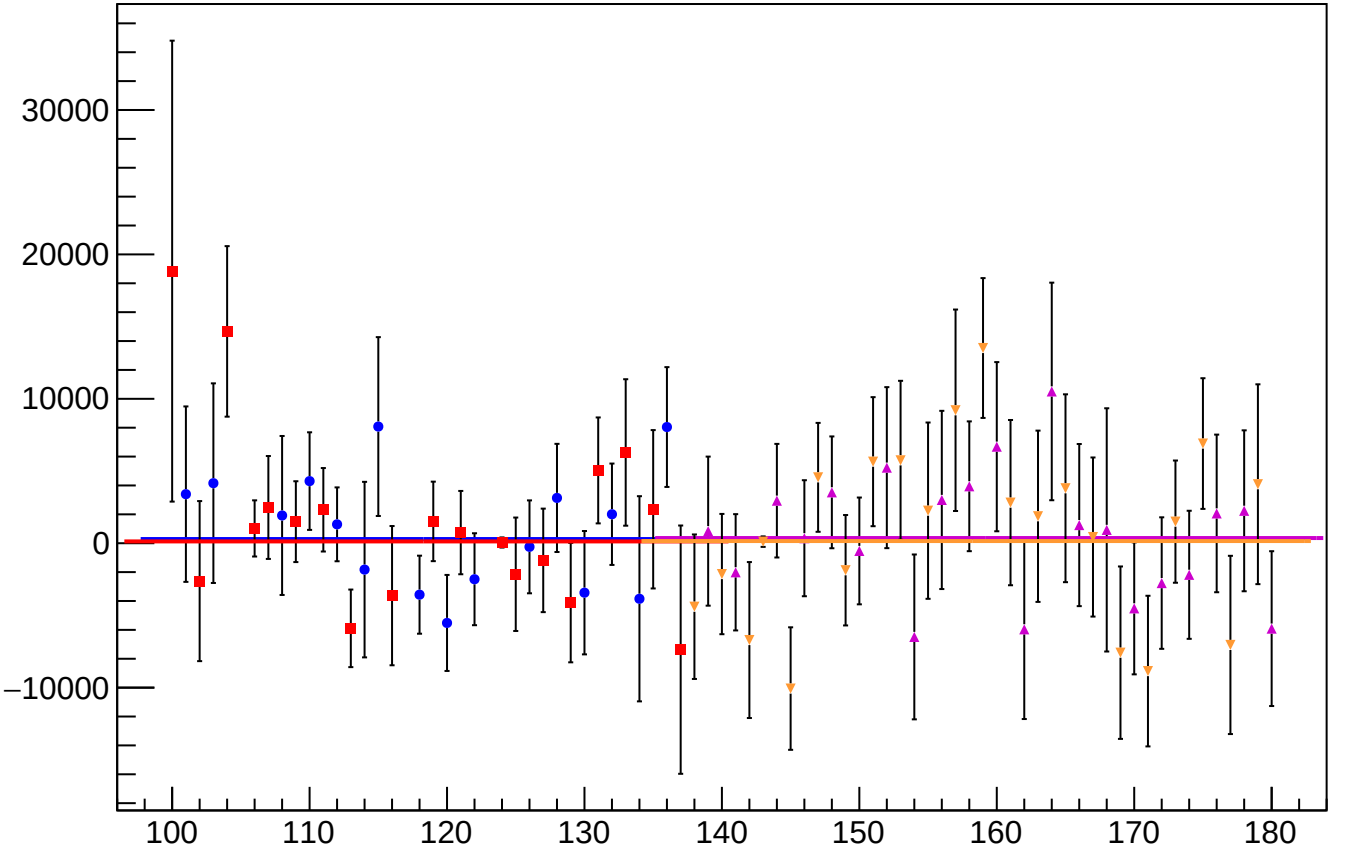
Left In: 1700.902+/-0.290 χ^2/NDF:99837.9/20

+ sign 1702.016+/-0.244 χ^2/NDF: 568457.6/37

All: 1700.676+/-0.172 χ^2/NDF: 1054669.7/77

- 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: 150.981+/-345.571 χ^2/NDF:31.5/21

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

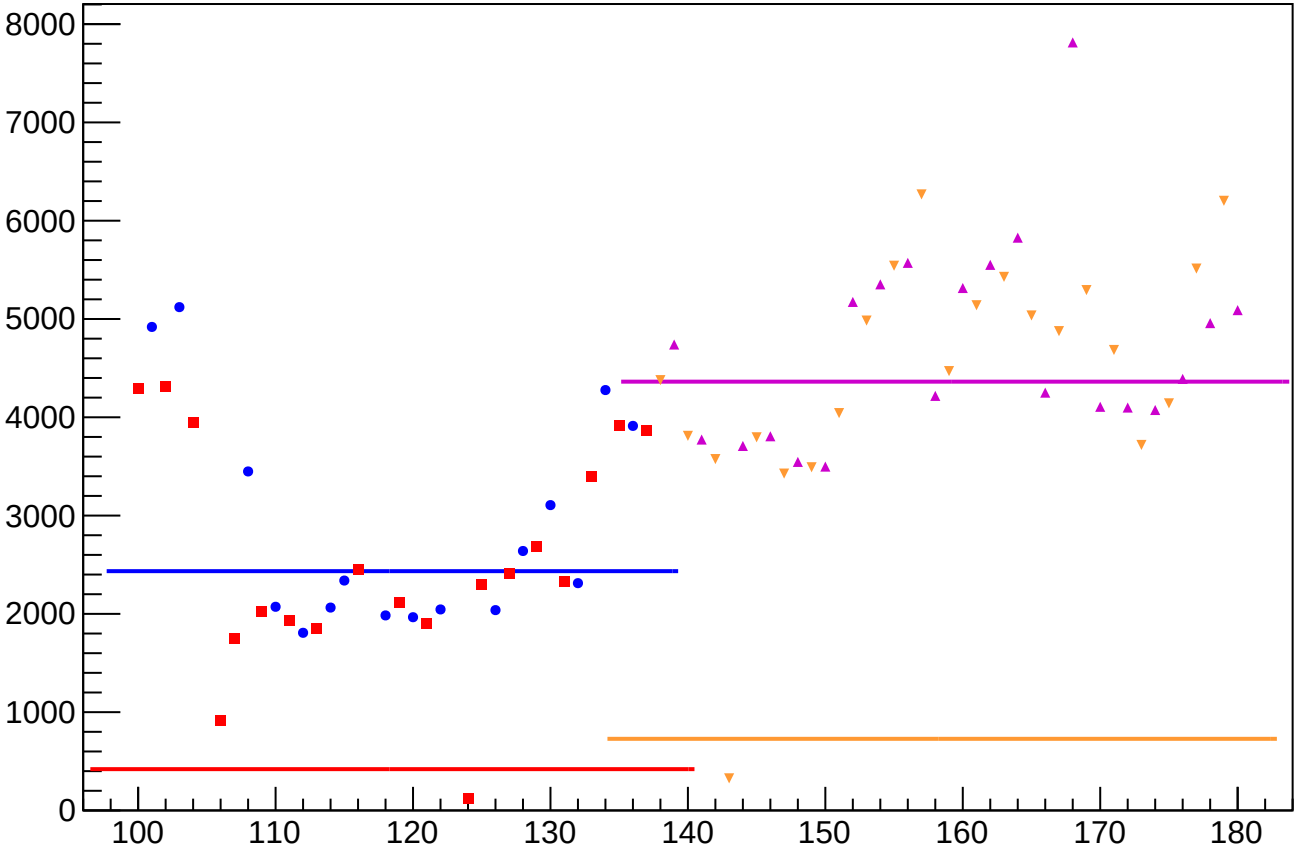
Left In: 359.093+/-1071.840 χ^2/NDF:12.1/20

+ sign 166.812+/-325.188 χ^2/NDF: 46.7/37

All: 155.436+/-224.339 χ^2/NDF: 79.7/77

- 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: 728.809+/-0.244 χ^2/NDF:25629687.5/21

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

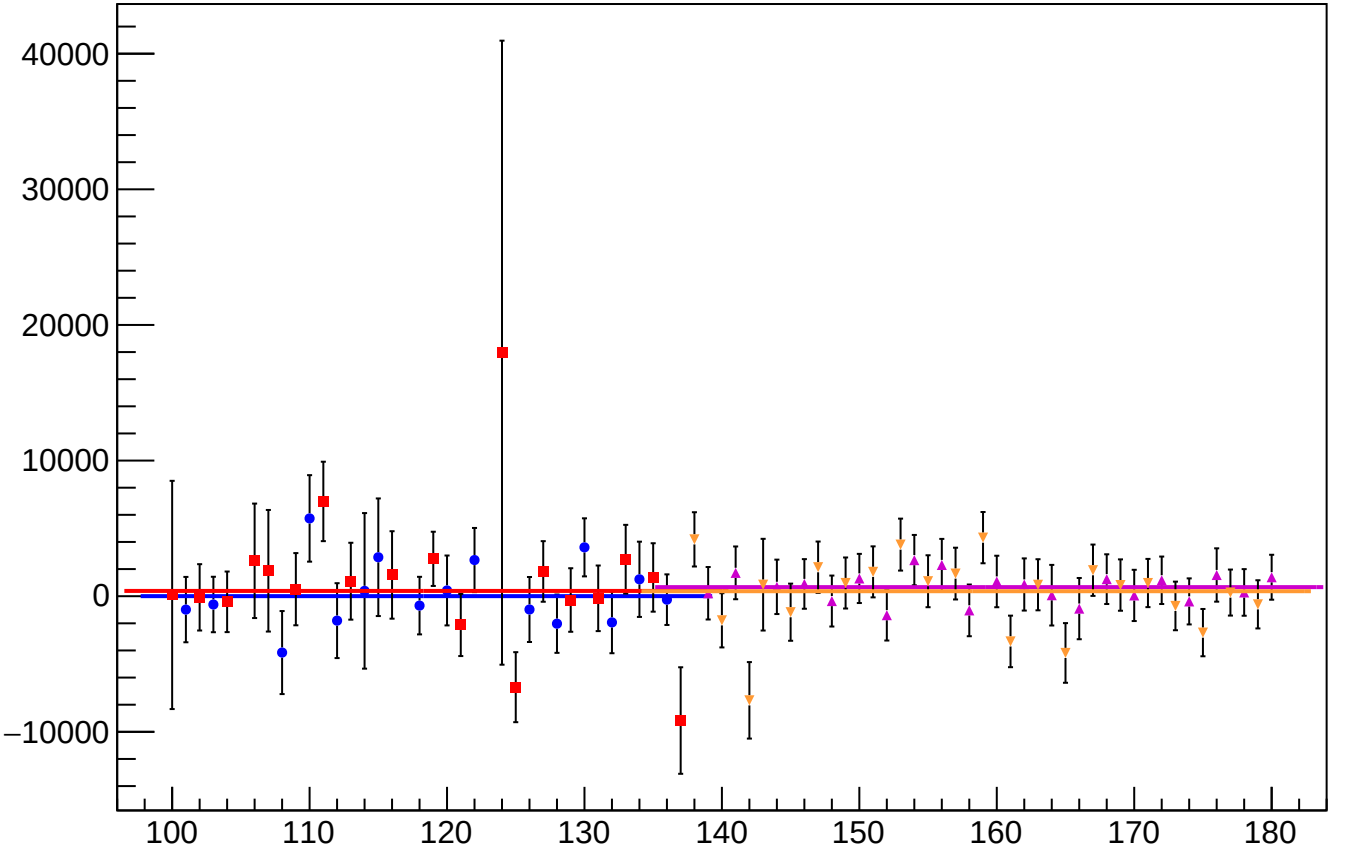
Left In: 4362.478+/-0.758 χ^2/NDF:1146160.3/20

+ sign 924.100+/-0.230 χ^2/NDF: 32666482.4/37

All: 832.764+/-0.159 χ^2/NDF: 69970968.2/77

- 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: 368.277+/-414.241 χ^2/NDF:36.0/21

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

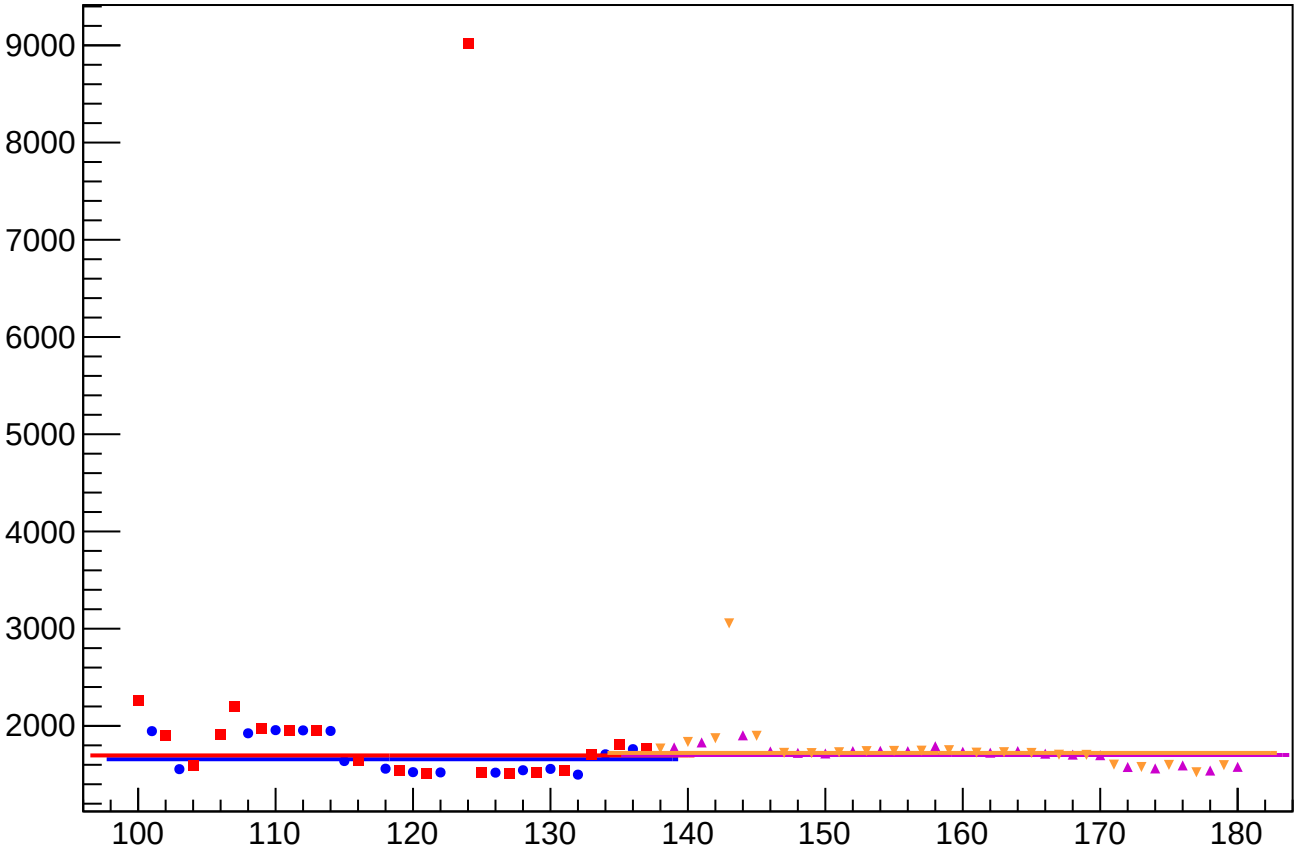
Left In: 669.341+/-410.098 χ^2/NDF:6.4/20

+ sign 255.918+/-344.420 χ^2/NDF: 48.7/37

All: 421.323+/-243.496 χ^2/NDF: 79.7/77

- 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: 1722.064+/-0.293 χ^2/NDF:409299.7/21

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

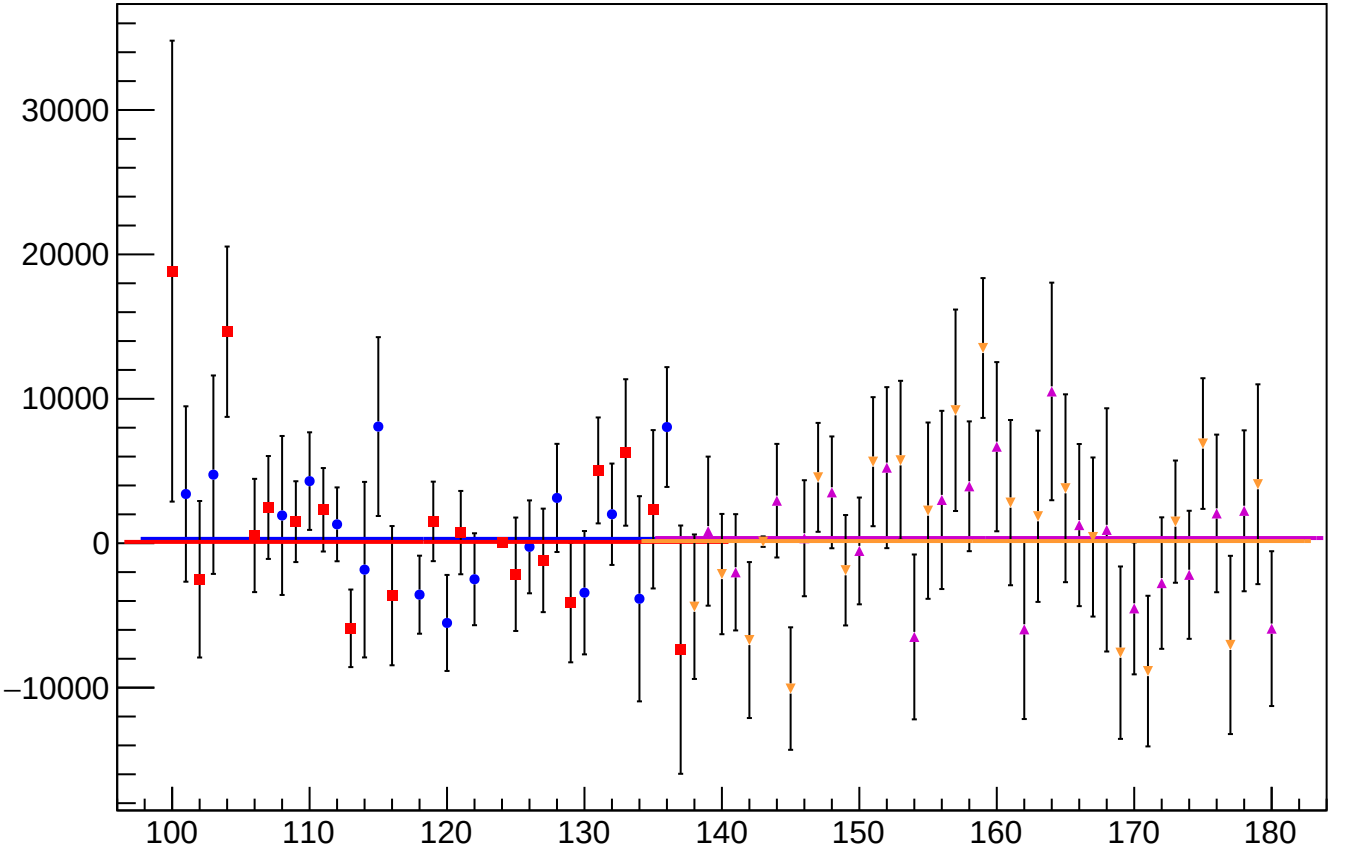
Left In: 1700.902+/-0.290 χ^2/NDF:99837.9/20

+ sign 1702.016+/-0.244 χ^2/NDF: 568457.7/37

All: 1700.795+/-0.172 χ^2/NDF: 1056390.5/77

- 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: 151.402+/-345.547 χ^2/NDF:31.5/21

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

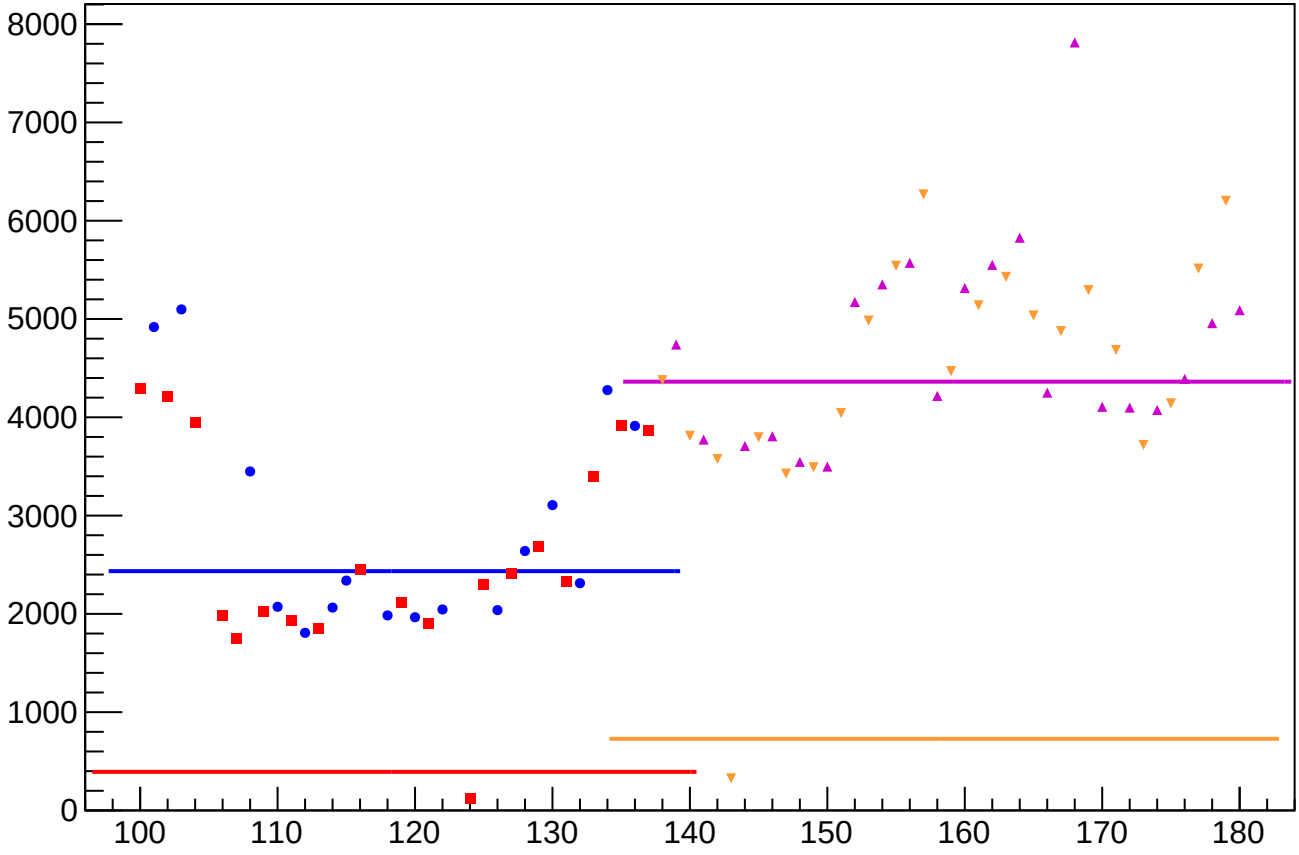
Left In: 359.090+/-1071.839 χ^2/NDF:12.1/20

+ sign 168.627+/-325.163 χ^2/NDF: 46.8/37

All: 139.139+/-221.631 χ^2/NDF: 79.6/77

- 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: 728.725+/-0.244 χ^2/NDF:25630417.5/21

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

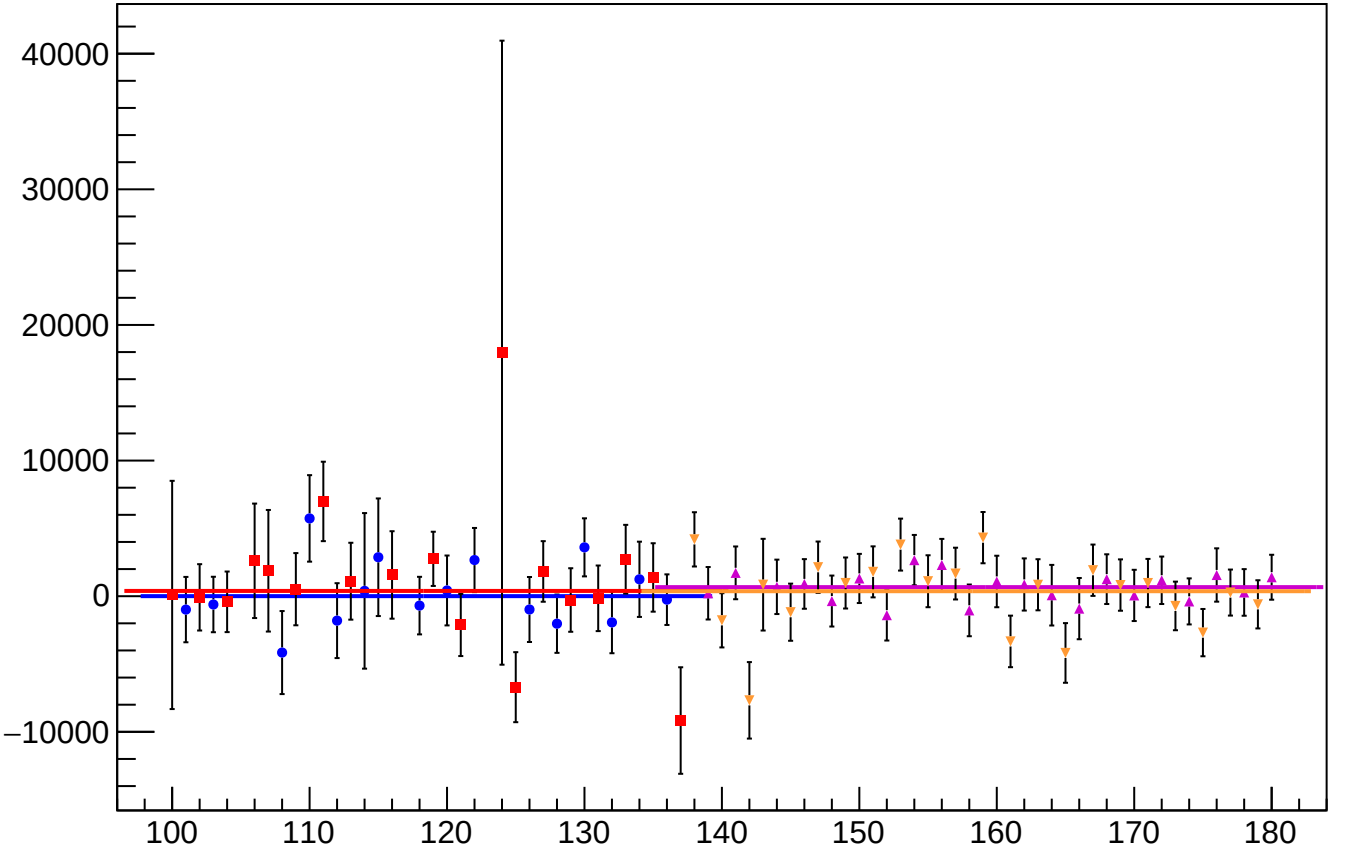
Left In: 4362.473+/-0.758 χ^2/NDF:1146152.4/20

+ sign 924.063+/-0.230 χ^2/NDF: 32668454.9/37

All: 809.275+/-0.157 χ^2/NDF: 70932588.5/77

- 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: 368.277+/-414.241 χ^2/NDF:36.0/21

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

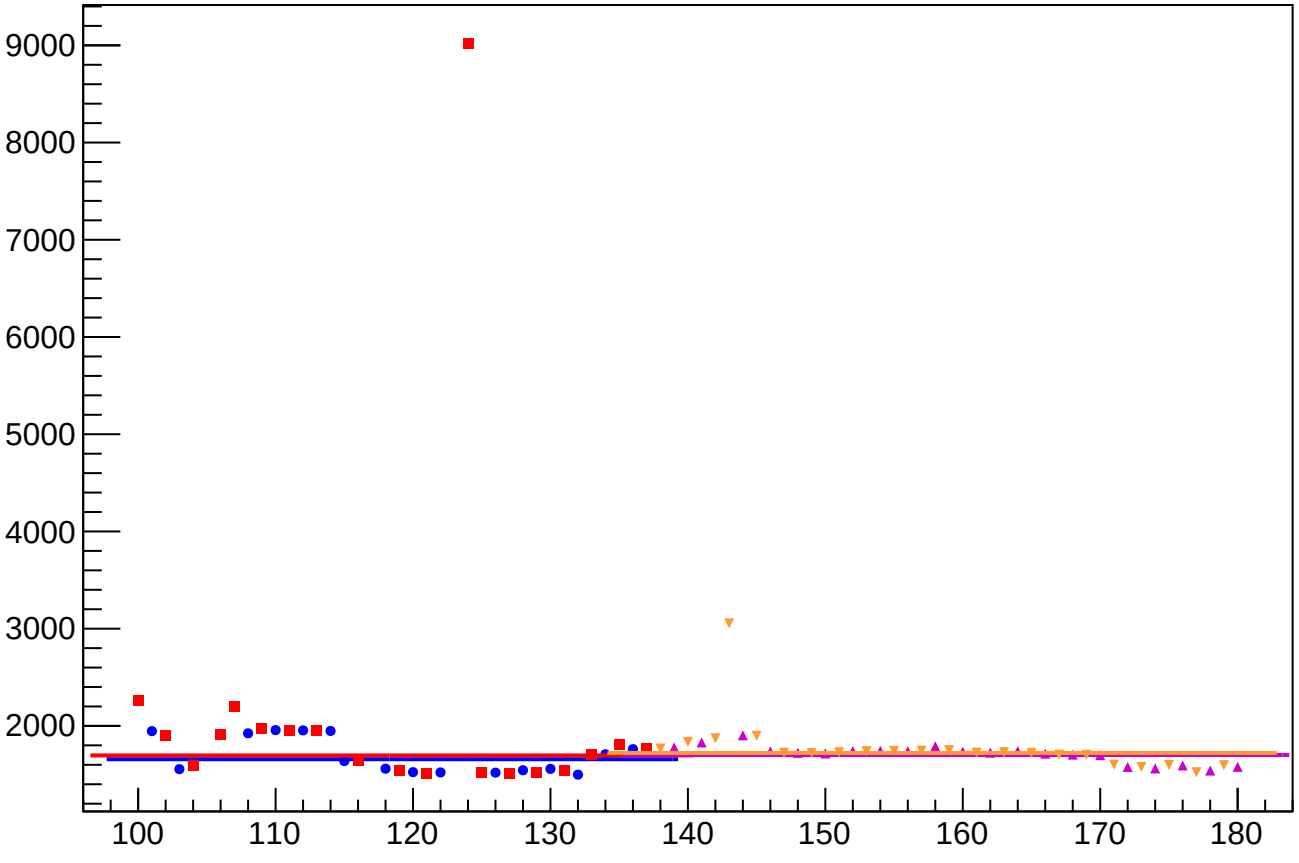
Left In: 669.341+/-410.098 χ^2/NDF:6.4/20

+ sign 255.918+/-344.420 χ^2/NDF: 48.7/37

All: 421.323+/-243.496 χ^2/NDF: 79.7/77

- 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: 1722.064+/-0.293 χ^2/NDF:409299.7/21

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

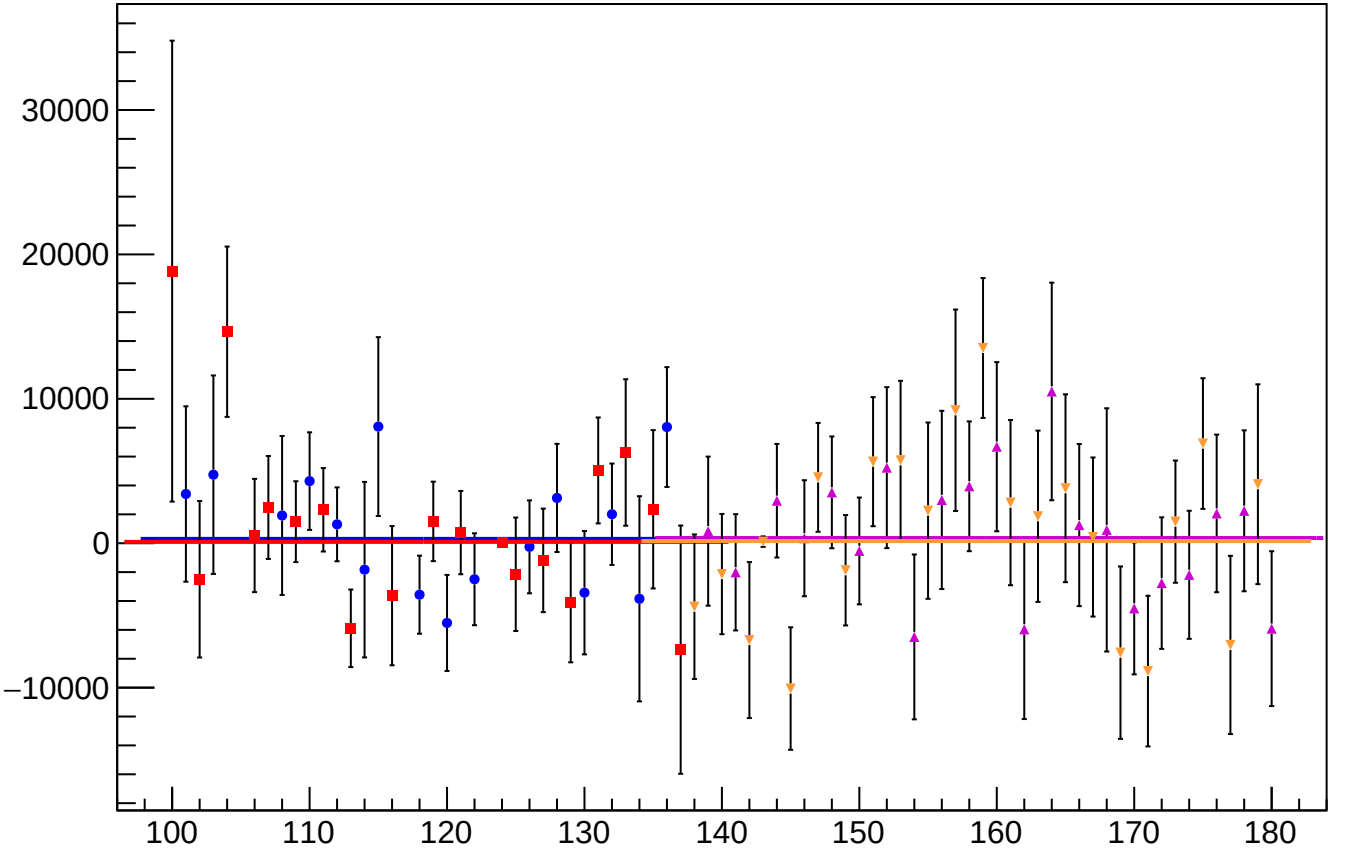
Left In: 1700.902+/-0.290 χ^2/NDF:99837.9/20

+ sign 1702.016+/-0.244 χ^2/NDF: 568457.7/37

All: 1700.795+/-0.172 χ^2/NDF: 1056390.5/77

- 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: 151.402+/-345.547 χ^2/NDF:31.5/21

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

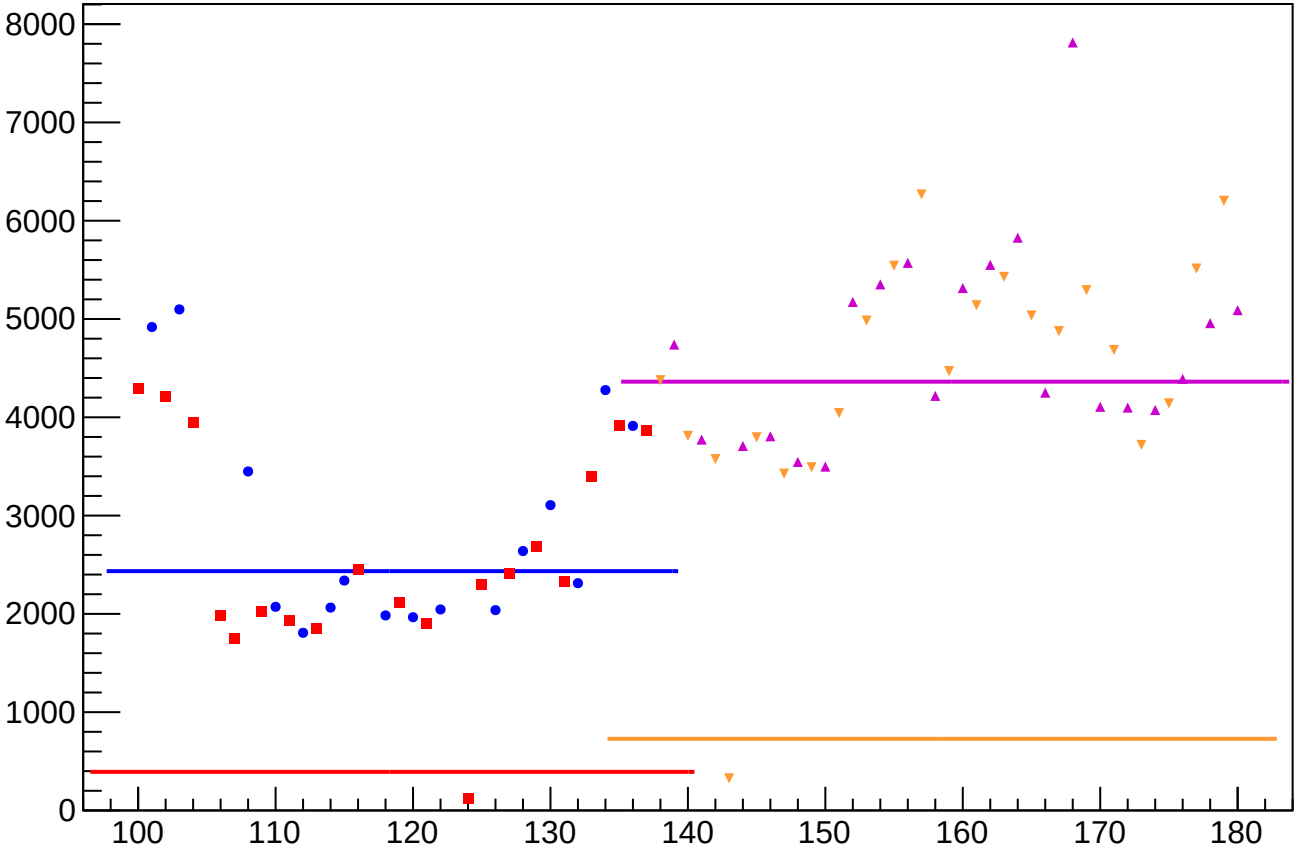
Left In: 359.090+/-1071.839 χ^2/NDF:12.1/20

+ sign 168.627+/-325.163 χ^2/NDF: 46.8/37

All: 139.139+/-221.631 χ^2/NDF: 79.6/77

- 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: 728.725+/-0.244 χ^2/NDF:25630417.5/21

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

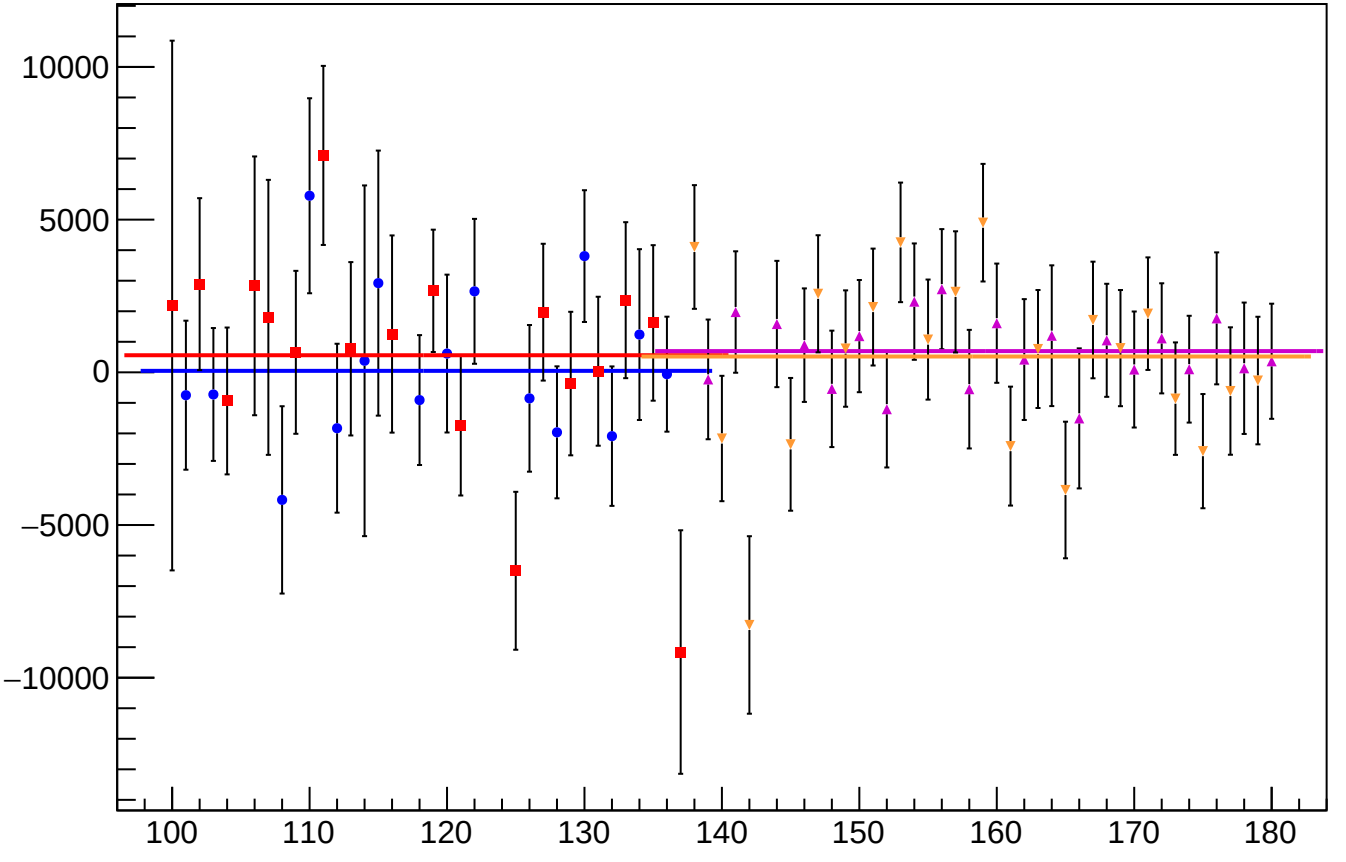
Left In: 4362.473+/-0.758 χ^2/NDF:1146152.4/20

+ sign 924.063+/-0.230 χ^2/NDF: 32668454.9/37

All: 809.275+/-0.157 χ^2/NDF: 70932588.5/77

- 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: 518.235+/-434.726 χ^2/NDF:38.5/20

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

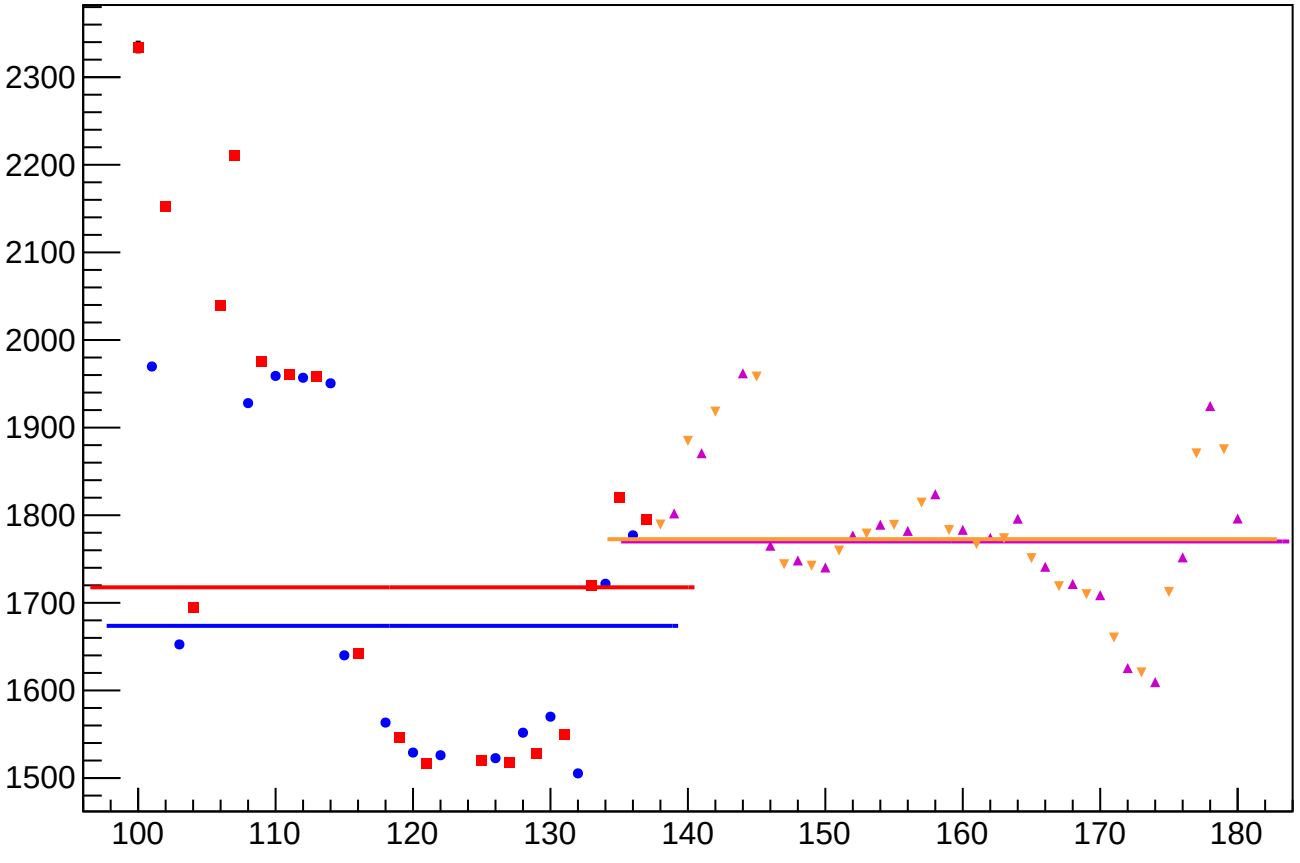
Left In: 695.222+/-426.658 χ^2/NDF:6.4/20

+ sign 365.399+/-357.098 χ^2/NDF: 51.7/36

All: 510.168+/-252.081 χ^2/NDF: 81.7/75

- 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: 1772.648+/-0.307 χ^2/NDF:64189.3/20

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

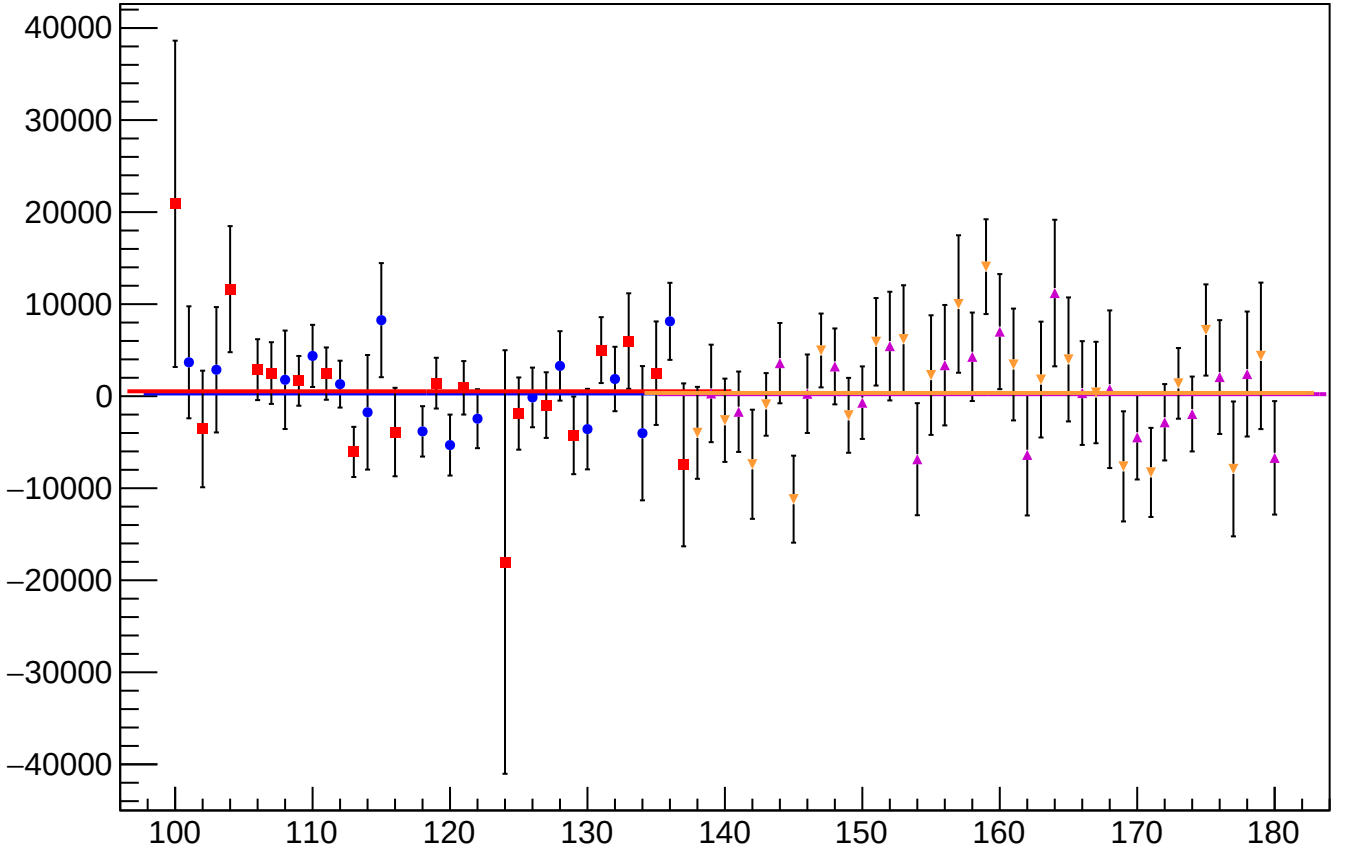
Left In: 1770.053+/-0.302 χ^2/NDF:70224.1/20

+ sign 1740.474+/-0.253 χ^2/NDF: 238742.6/36

All: 1747.305+/-0.178 χ^2/NDF: 547251.2/75

- 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: 351.486+/-1088.020 χ^2/NDF:31.0/21

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

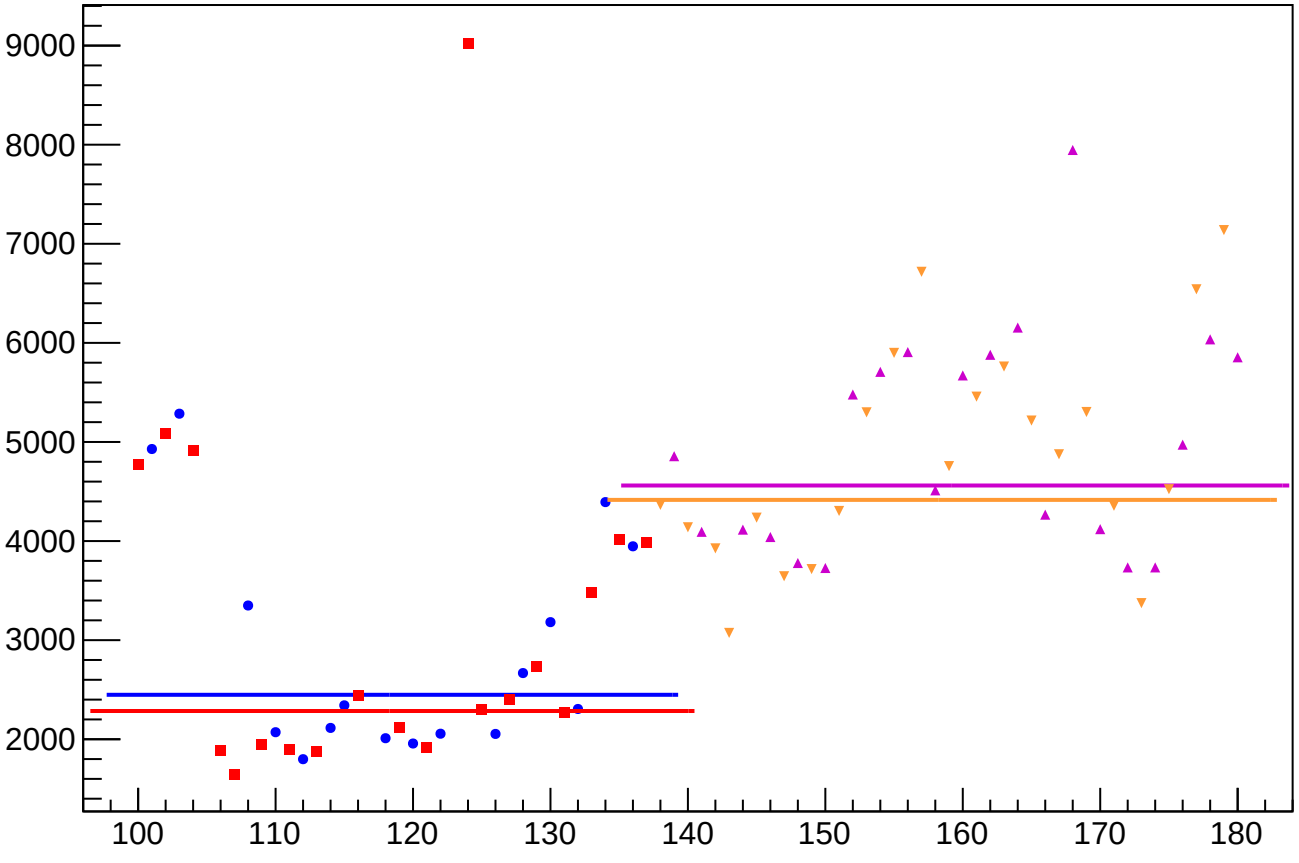
Left In: 216.919+/-1124.459 χ^2/NDF:11.9/20

\+ sign 320.710+/-721.816 χ^2/NDF: 46.2/37

All: 367.588+/-500.629 χ^2/NDF: 76.9/77

\- 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: 4415.587+/-0.769 χ^2/NDF:1605337.0/21

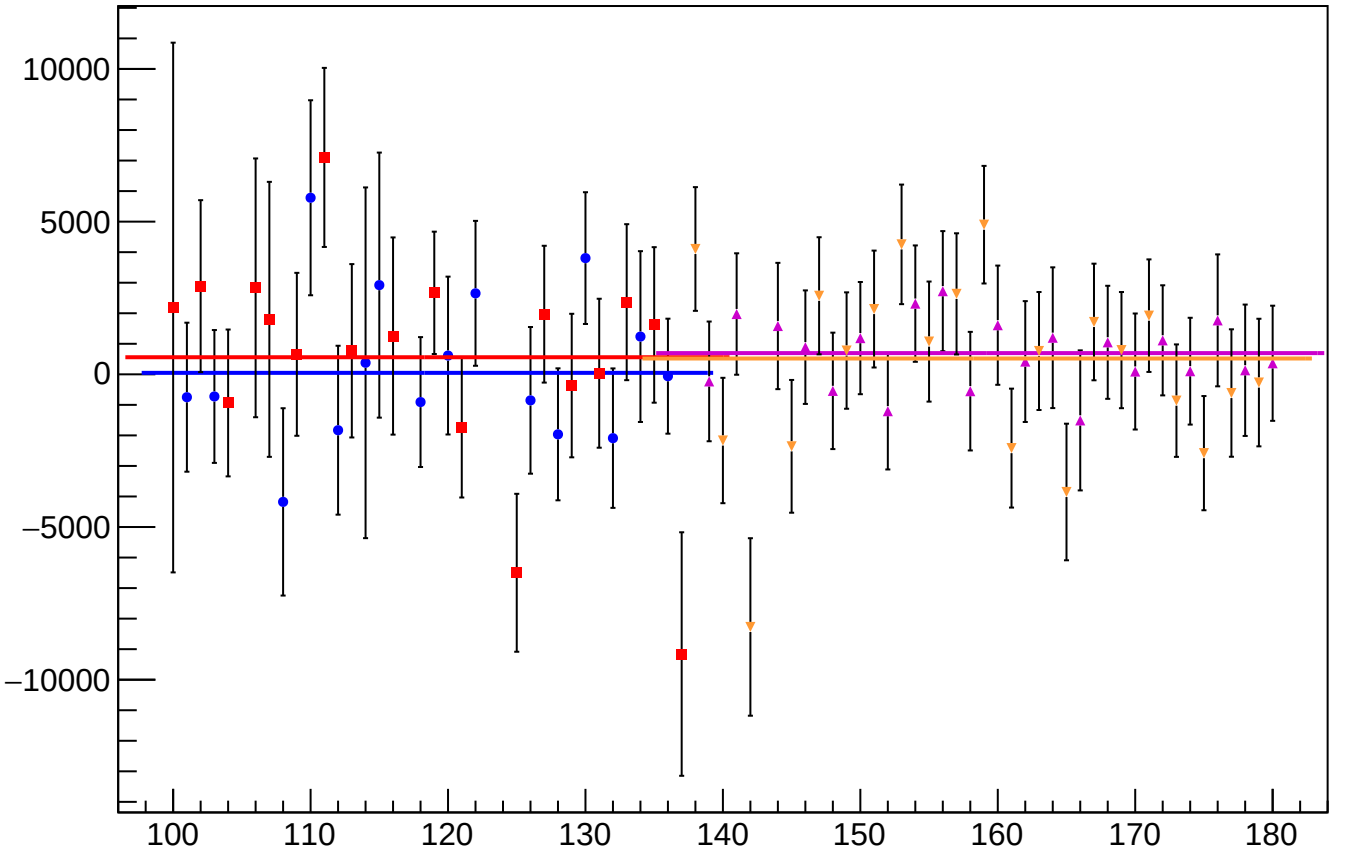
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4560.720+/-0.795 χ^2/NDF:1358584.5/20

+ sign 3314.325+/-0.510 χ^2/NDF: 6782650.2/37

All: 3231.258+/-0.354 χ^2/NDF: 14803696.9/7

- sign 3154.262+/-0.491 χ^2/NDF: 7970008.6/39



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 518.236+/-434.726 χ^2/NDF:38.5/20

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

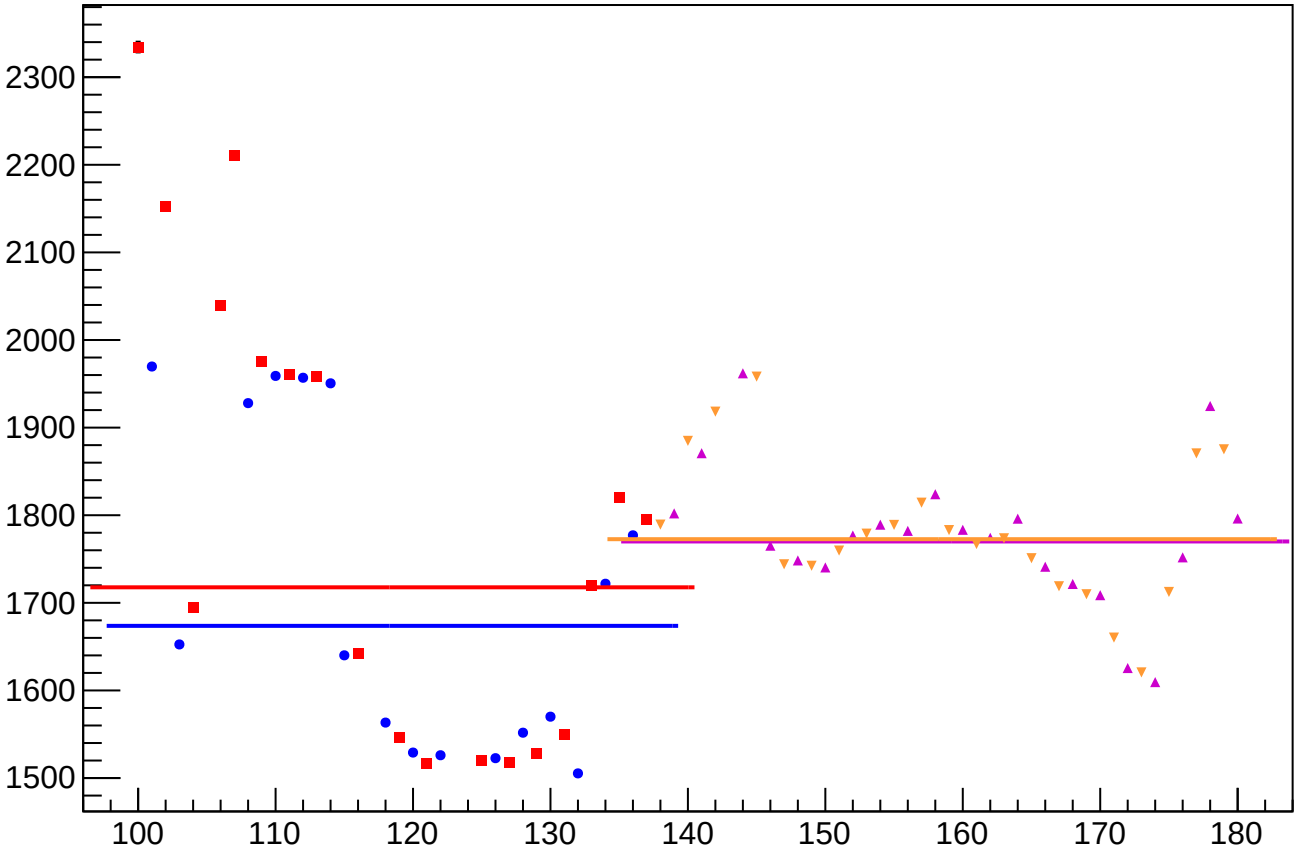
Left In: 695.222+/-426.659 χ^2/NDF:6.4/20

+ sign 365.399+/-357.098 χ^2/NDF: 51.7/36

All: 510.169+/-252.081 χ^2/NDF: 81.7/75

- 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: 1772.649+/-0.307 χ^2/NDF:64192.5/20

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

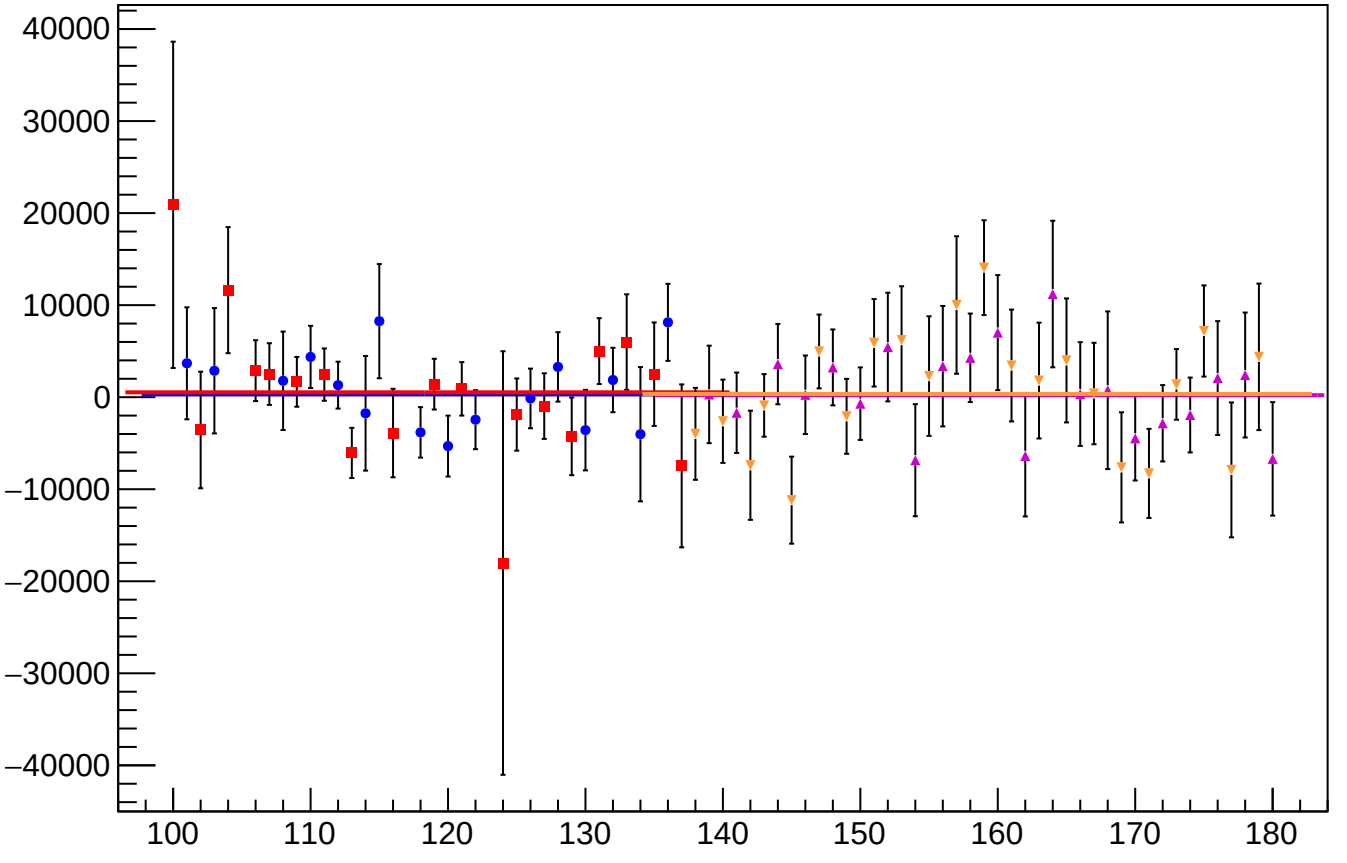
Left In: 1770.054+/-0.302 χ^2/NDF:70226.9/20

+ sign 1740.475+/-0.253 χ^2/NDF: 238746.7/36

All: 1747.306+/-0.178 χ^2/NDF: 547257.8/75

- sign 1754.081+/-0.251 χ^2/NDF: 307053.4/38

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 351.490+/-1088.022 χ^2/NDF:31.0/21

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

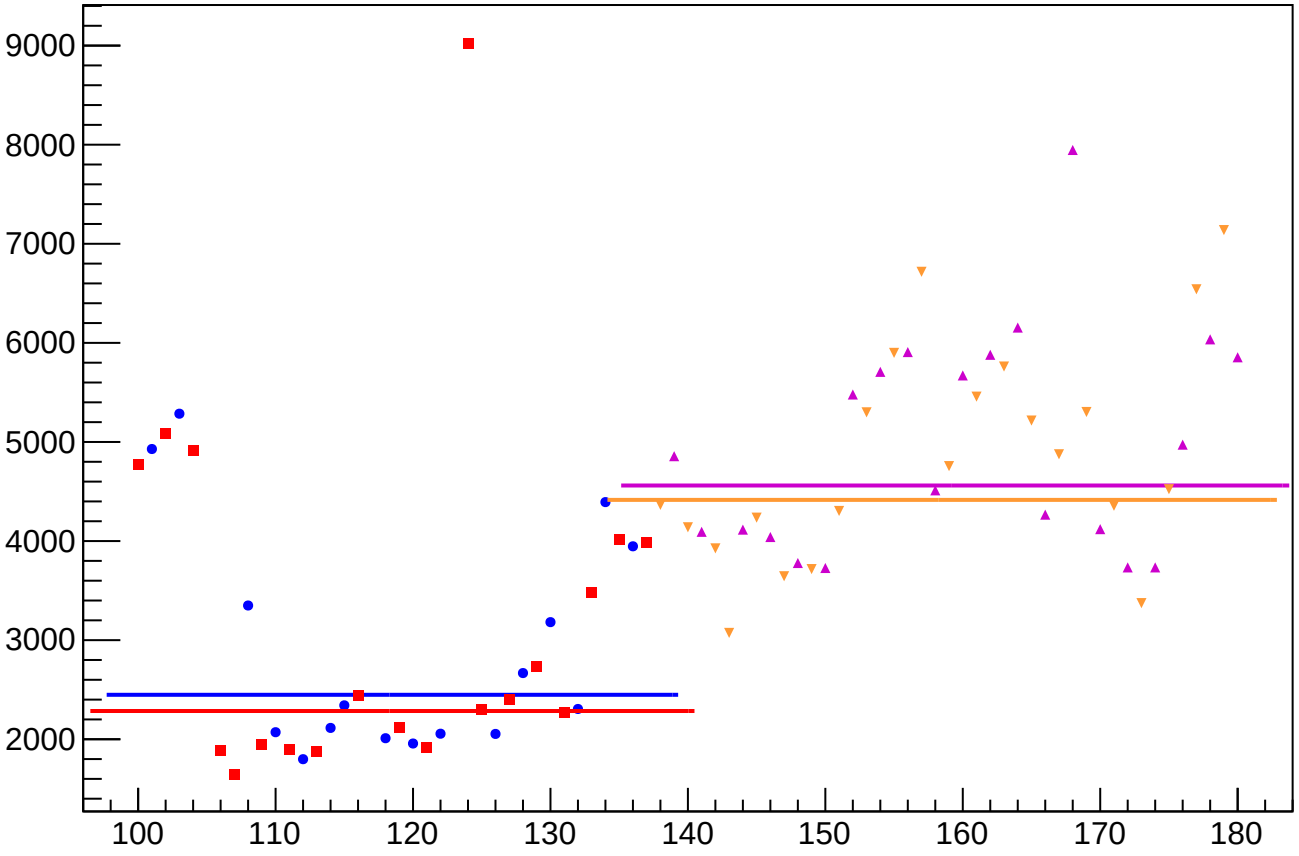
Left In: 216.919+/-1124.461 χ^2/NDF:11.9/20

+ sign 320.708+/-721.815 χ^2/NDF: 46.2/37

All: 367.588+/-500.628 χ^2/NDF: 76.9/77

- 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: 4415.594+/-0.769 χ^2/NDF:1605339.8/21

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

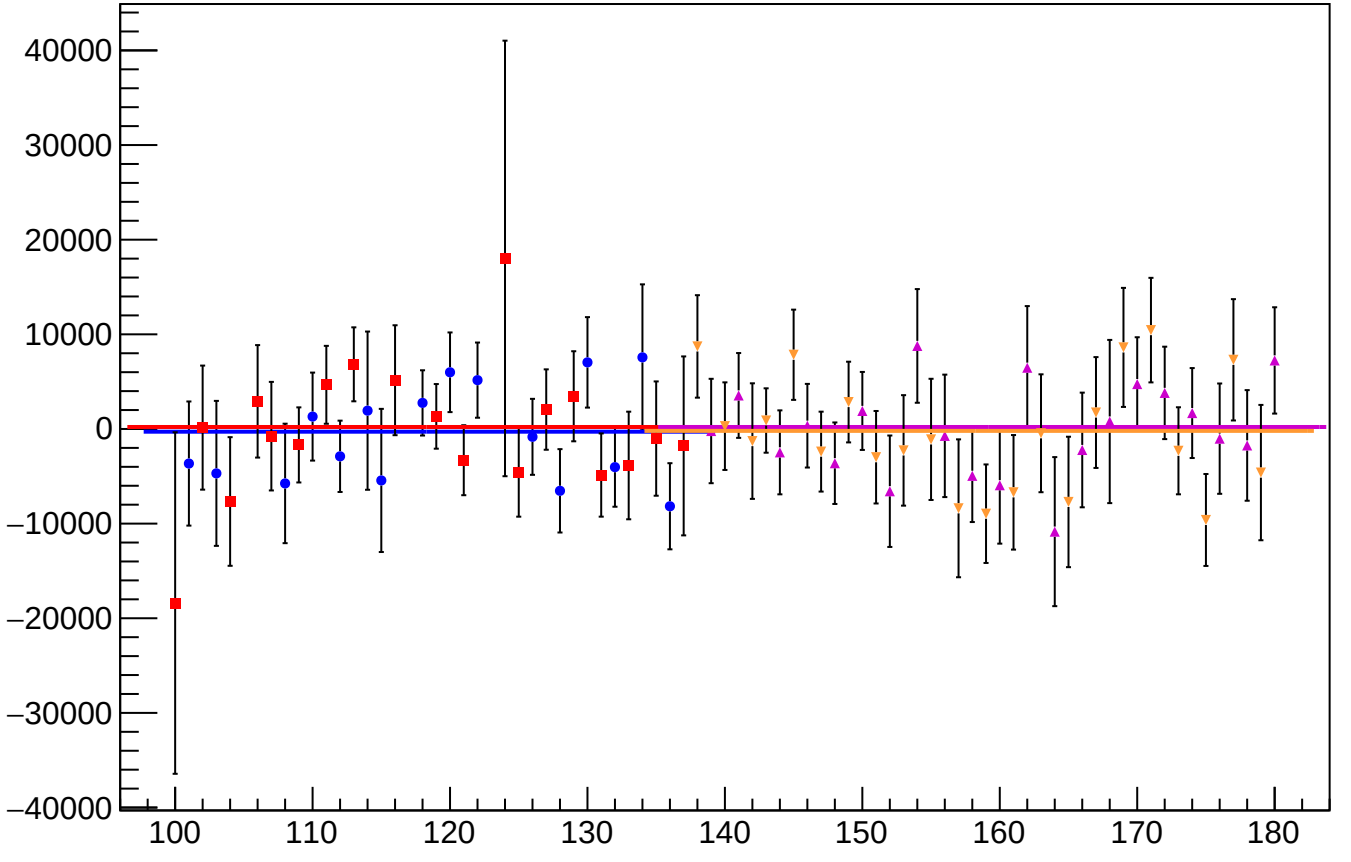
Left In: 4560.727+/-0.795 χ^2/NDF:1358585.5/20

+ sign 3314.316+/-0.510 χ^2/NDF: 6782737.6/37

All: 3231.250+/-0.354 χ^2/NDF: 14803867.7/7

- 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: -201.148+/-1121.194 χ^2/NDF:24.9/21

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

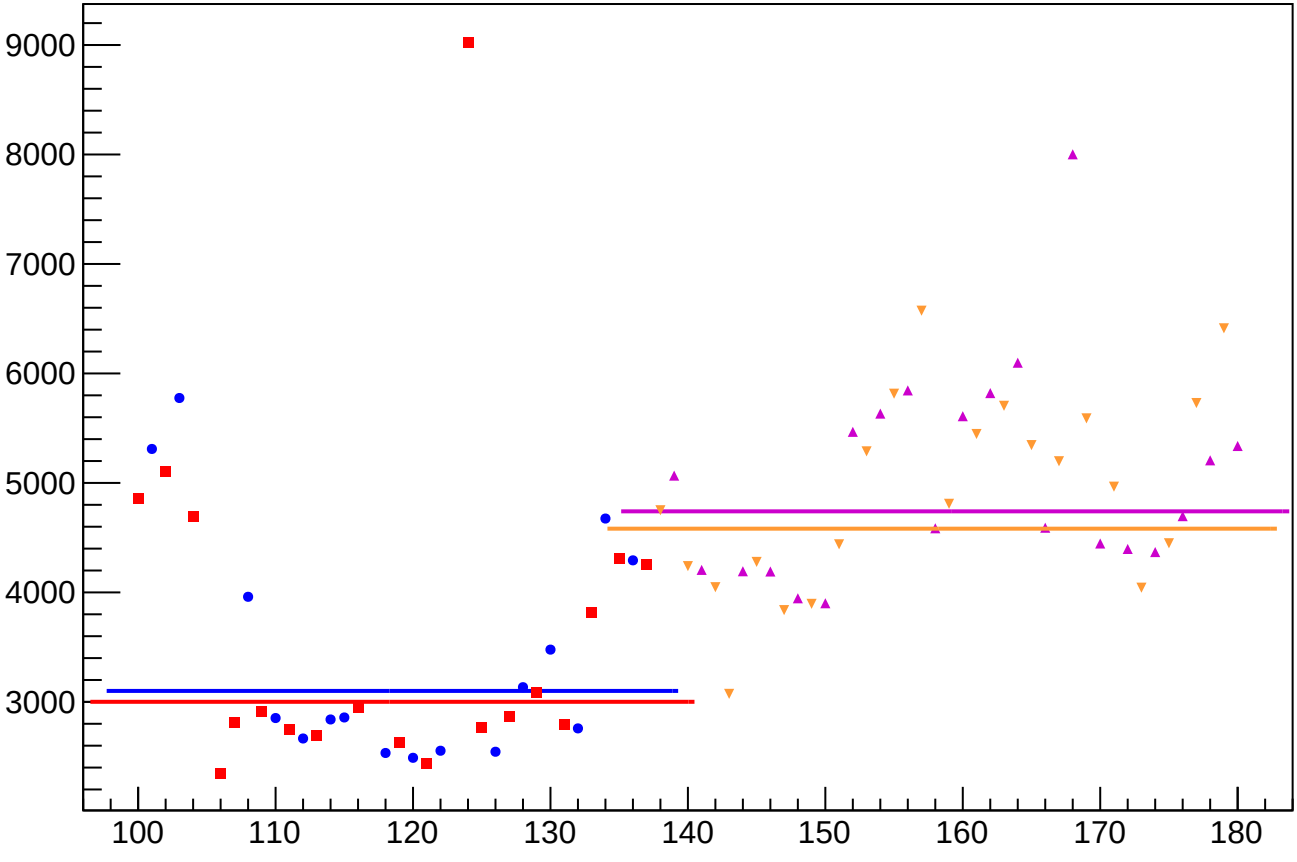
Left In: 209.422+/-1159.306 χ^2/NDF:13.6/20

\+ sign -241.386+/-818.400 χ^2/NDF: 41.5/37

All: -15.798+/-578.476 χ^2/NDF: 68.1/77

\- 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: 4582.171+/-0.793 χ^2/NDF:1239784.4/21

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

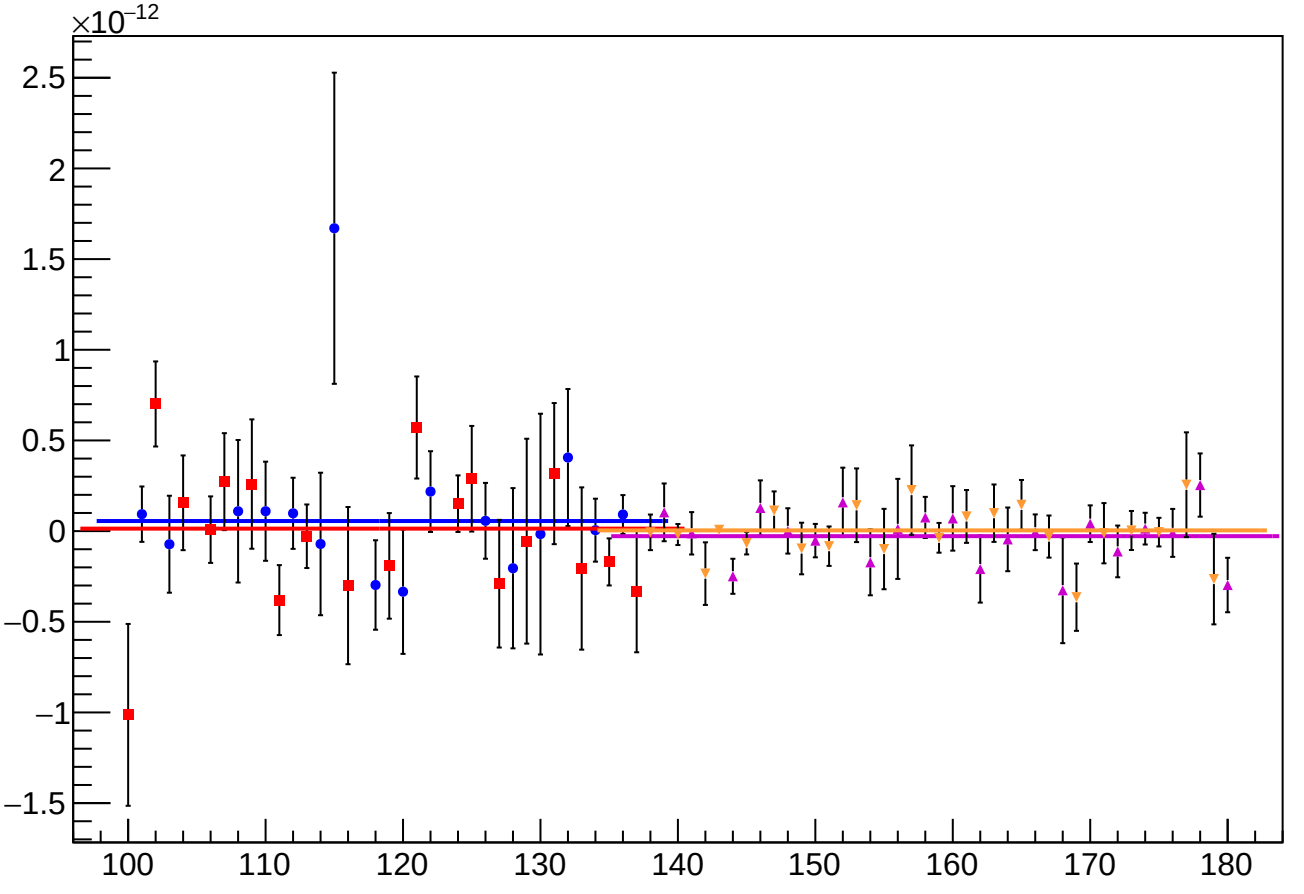
Left In: 4740.394+/-0.820 χ^2/NDF:888831.8/20

+ sign 3889.772+/-0.579 χ^2/NDF: 3836069.8/37

All: 3872.036+/-0.408 χ^2/NDF: 7826570.7/77

- 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:15.1/21

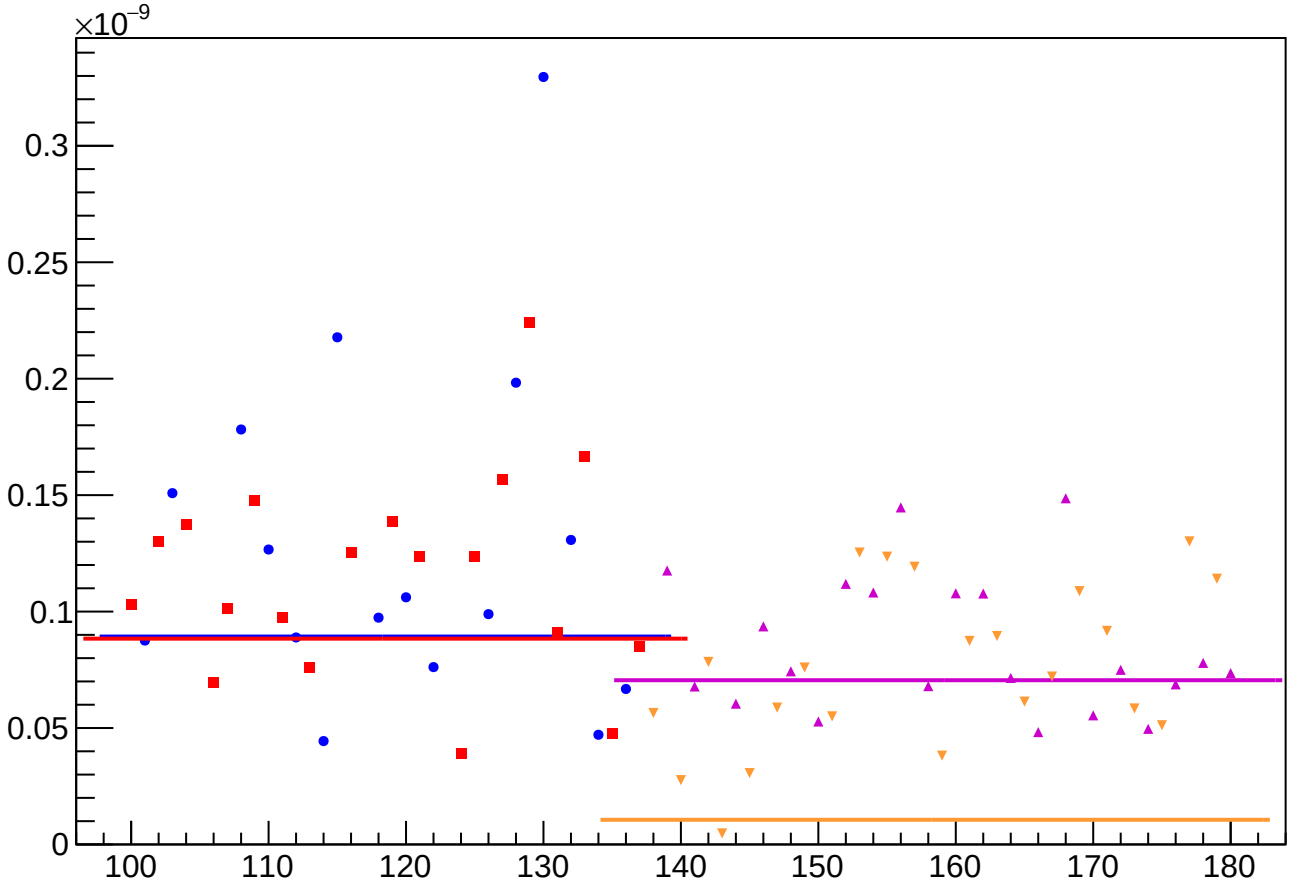
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 25.2/37

All: 0.000+/-0.000 χ^2/NDF: 75.3/77

- sign -0.000+/-0.000 χ^2/NDF: 49.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9456782.8/21

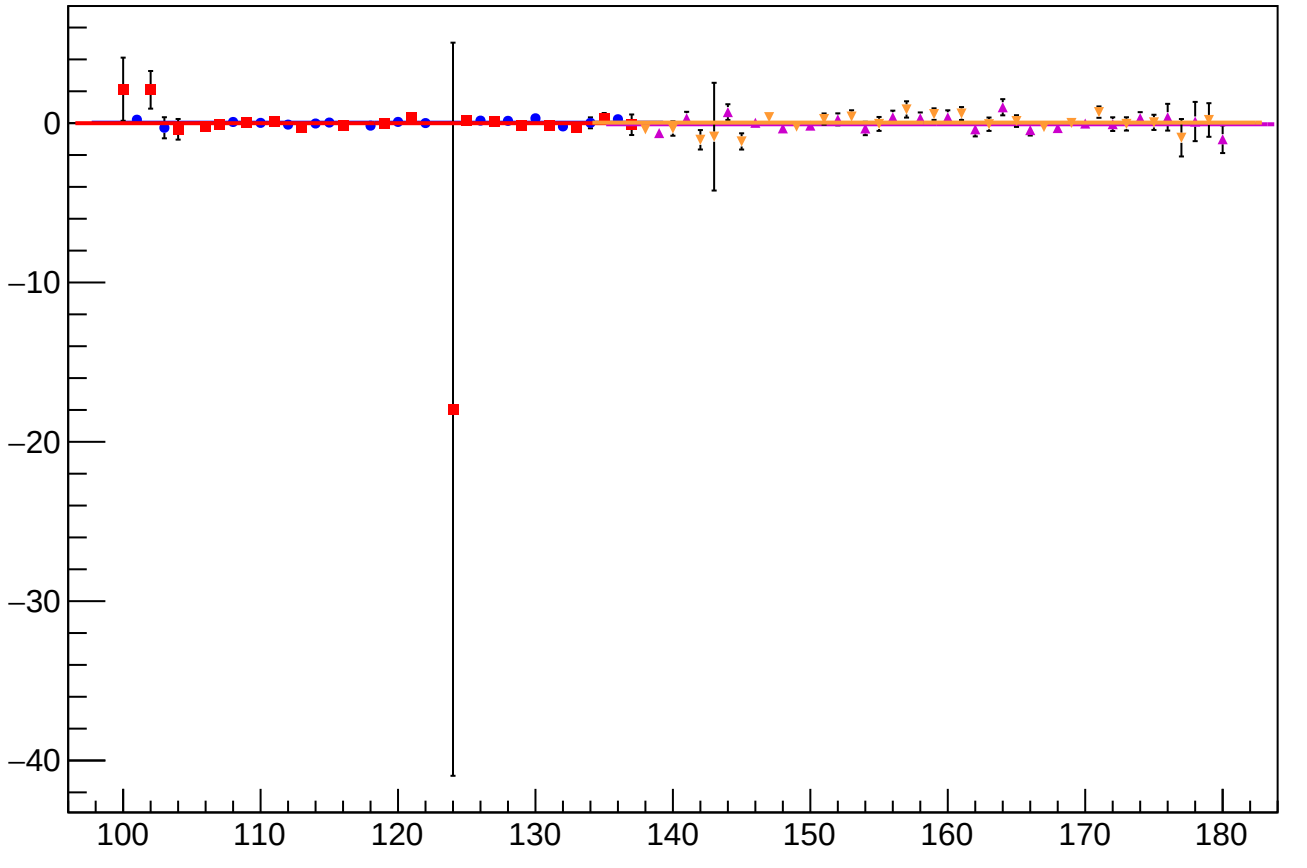
Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1224827.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 14203239.7/37

All: 0.000+/-0.000 χ^2/NDF: 27264915.5/77

- sign 0.000+/-0.000 χ^2/NDF: 2400648.9/39



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

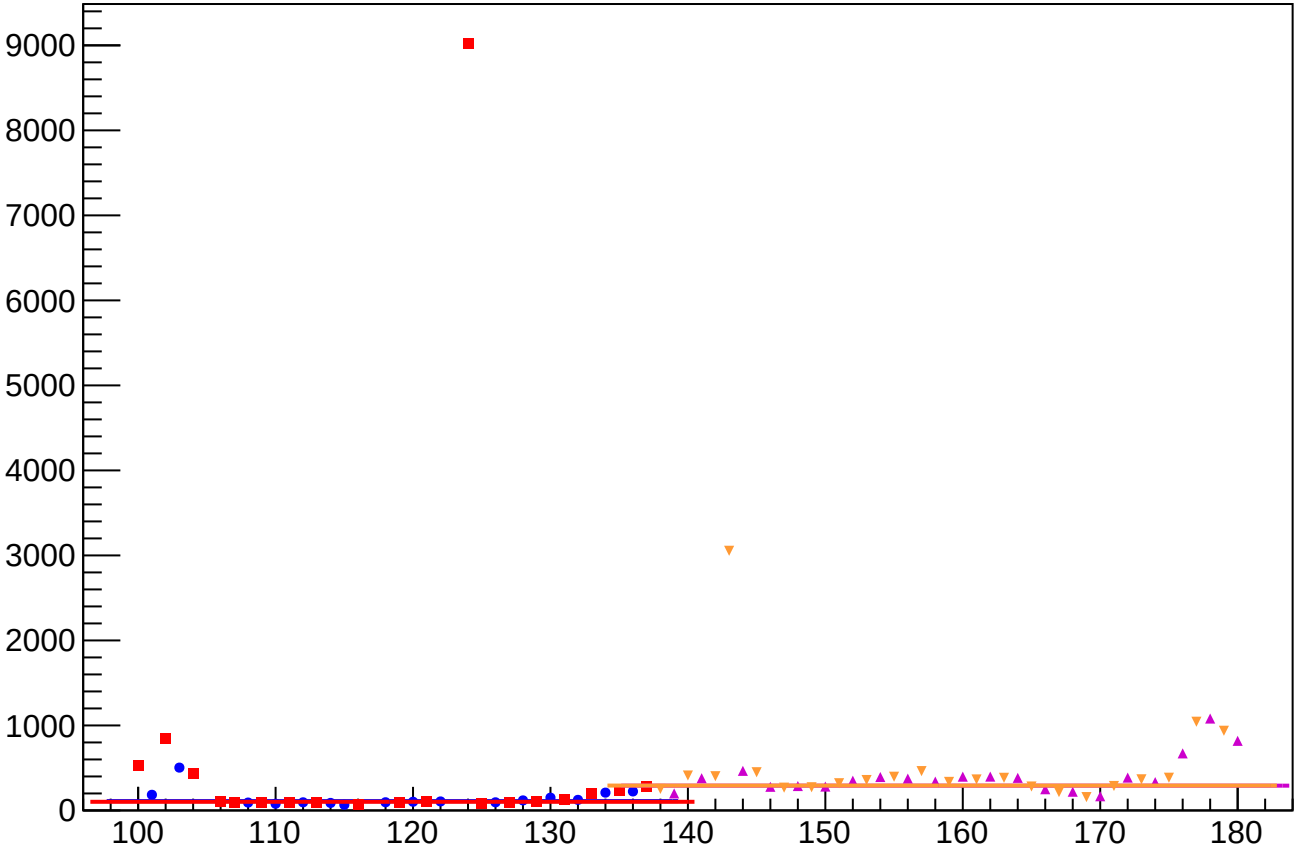
Left In: -0.071+/-0.076 χ^2/NDF:23.6/20

+ sign 0.030+/-0.039 χ^2/NDF: 35.9/37

All: 0.004+/-0.027 χ^2/NDF: 83.3/77

- 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: 292.835+/-0.055 χ^2/NDF:5459315.3/21

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

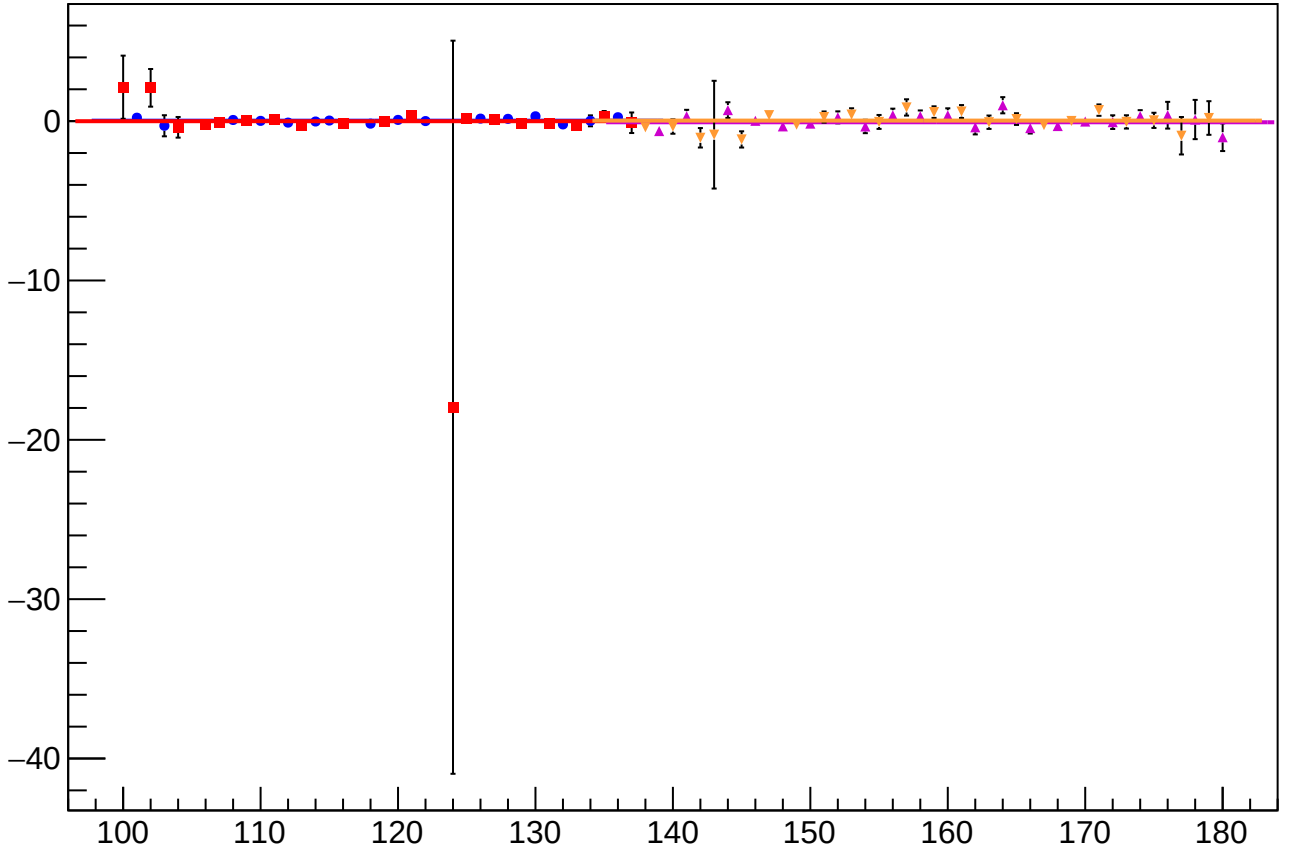
Left In: 291.663+/-0.054 χ^2/NDF:4401789.0/20

+ sign 156.196+/-0.028 χ^2/NDF: 15624125.6/37

All: 151.985+/-0.019 χ^2/NDF: 31989250.4/77

- sign 148.078+/-0.027 χ^2/NDF: 16320539.1/39

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

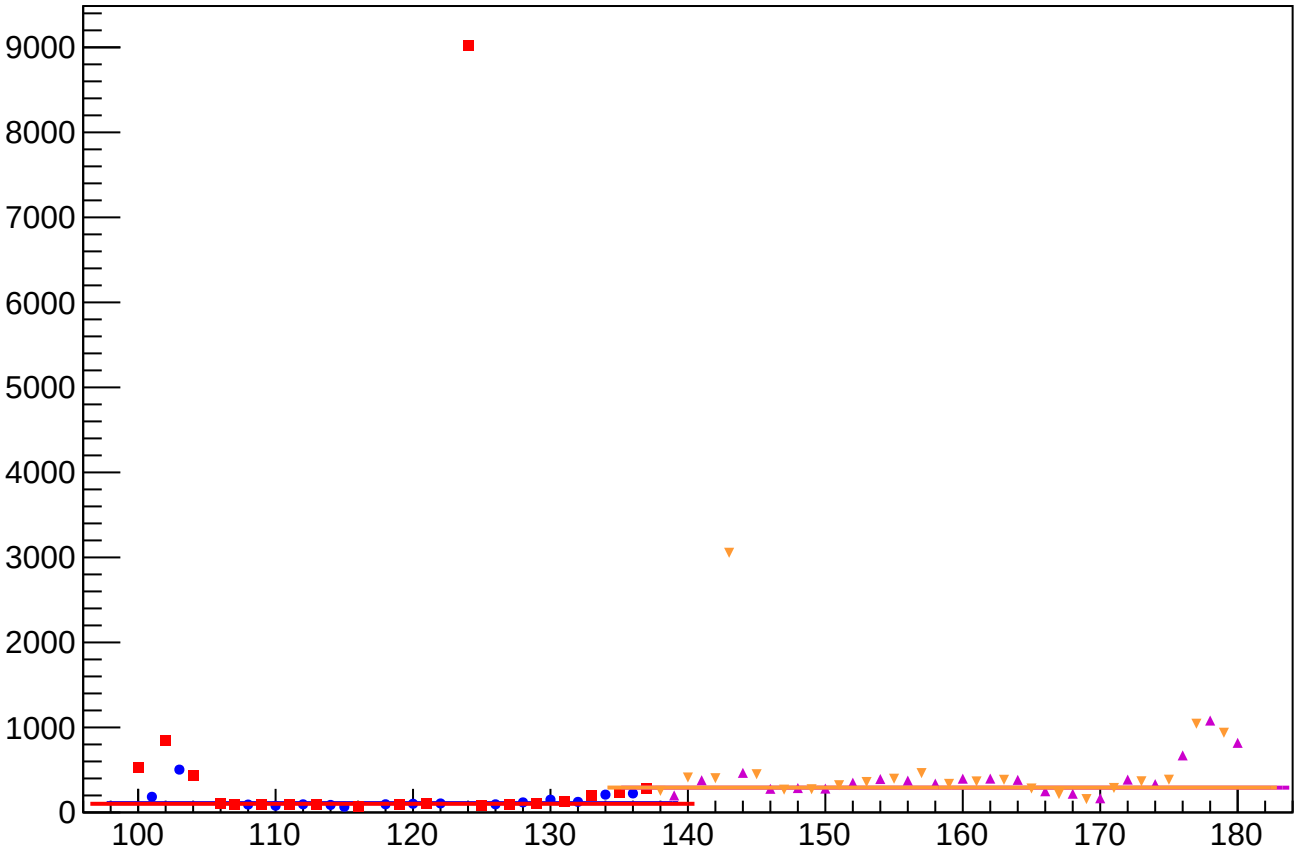
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.071+/-0.076 χ^2/NDF:23.6/20

+ sign 0.030+/-0.039 χ^2/NDF: 35.9/37

All: 0.004+/-0.027 χ^2/NDF: 83.3/77

- sign -0.020+/-0.038 χ^2/NDF: 46.6/39



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 292.835+/-0.055 χ^2/NDF:5459315.3/21

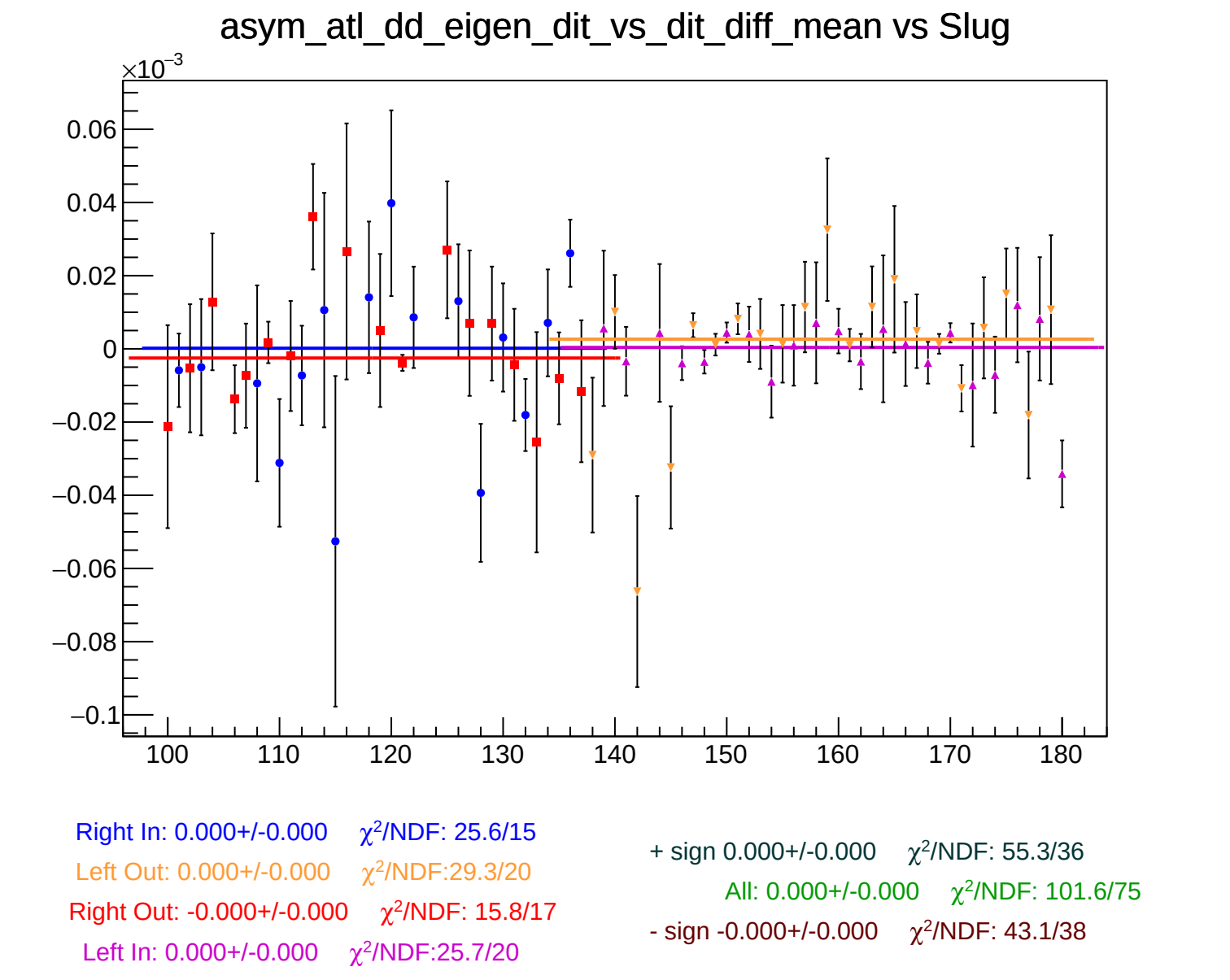
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

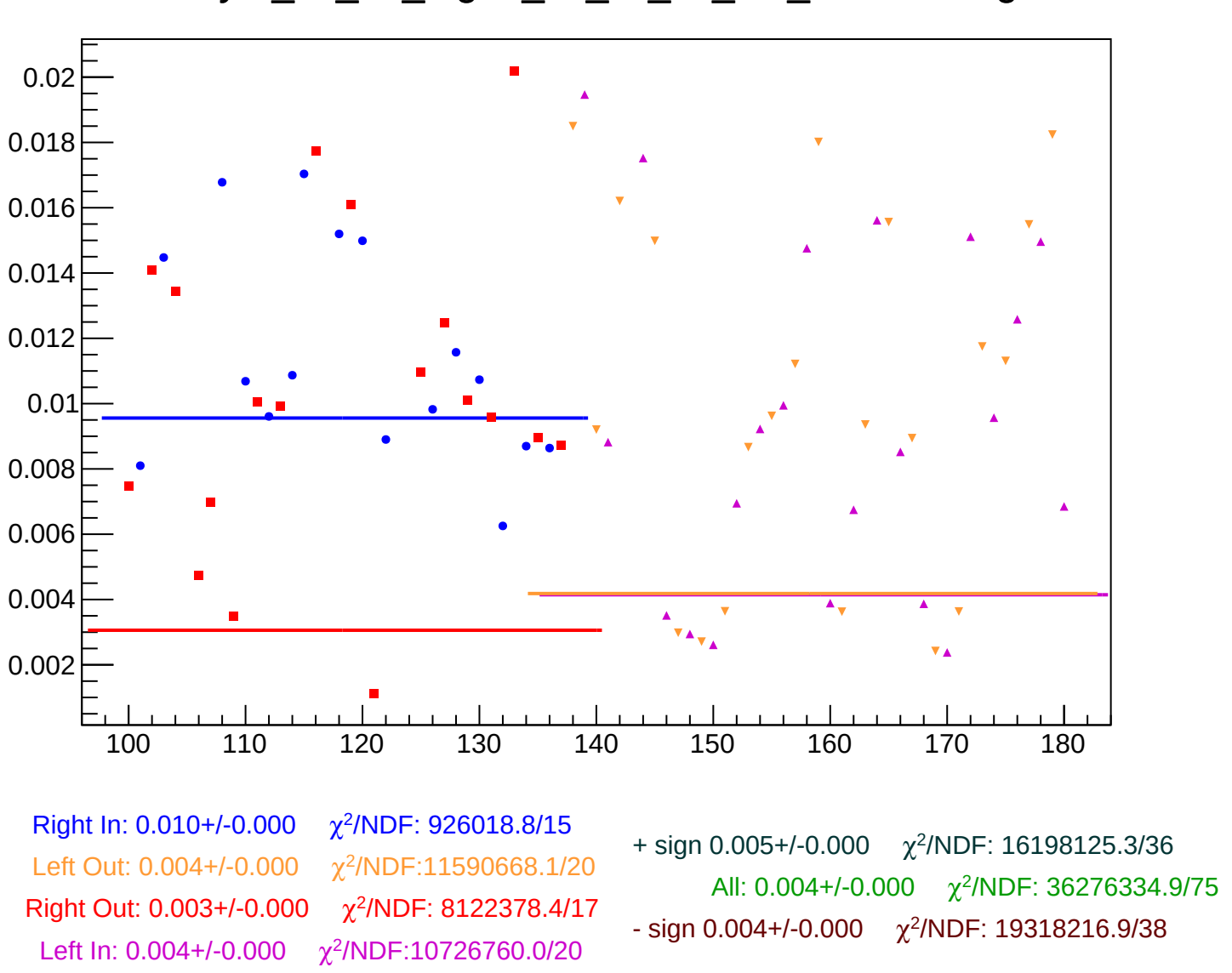
Left In: 291.663+/-0.054 χ^2/NDF:4401789.0/20

+ sign 156.196+/-0.028 χ^2/NDF: 15624125.6/37

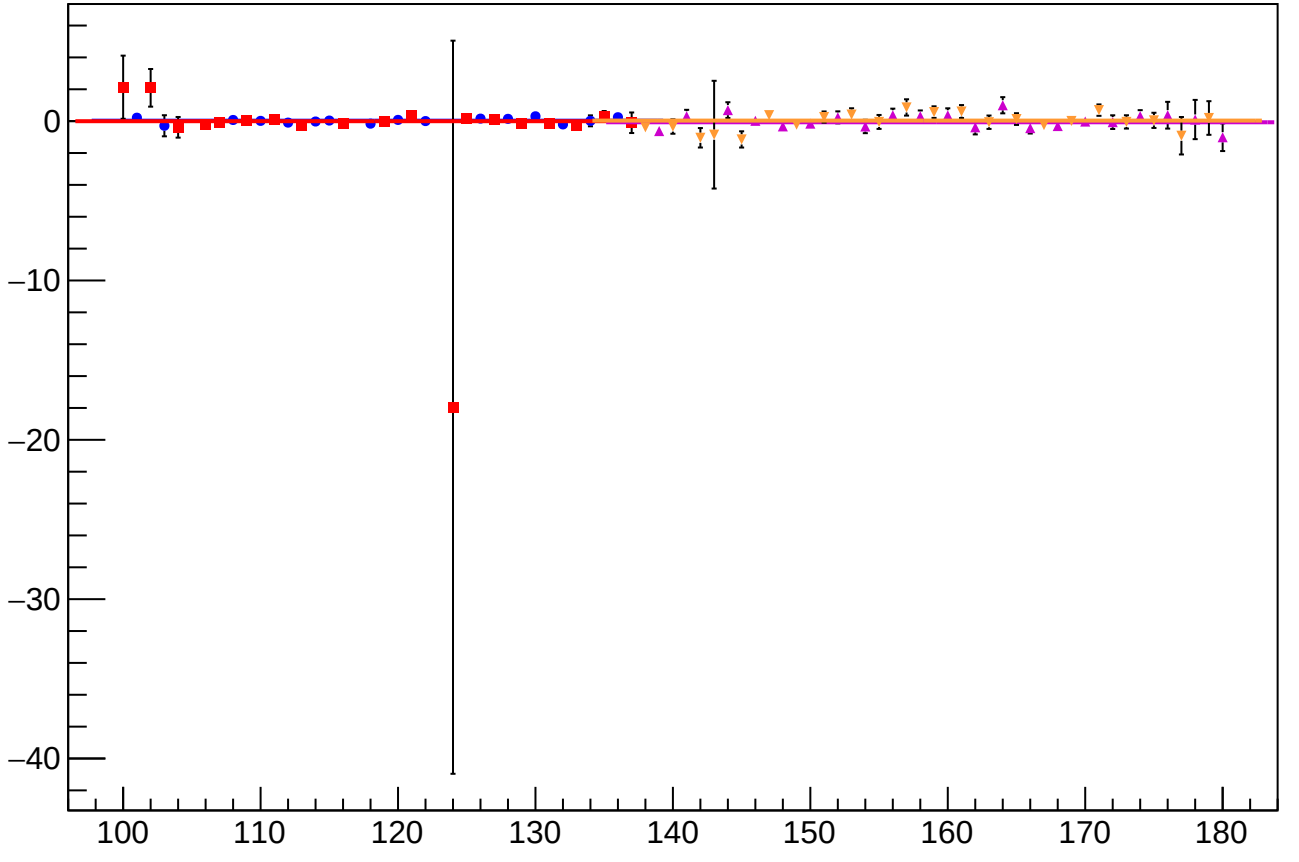
All: 151.985+/-0.019 χ^2/NDF: 31989250.4/77

- sign 148.078+/-0.027 χ^2/NDF: 16320539.1/39


asym_atl_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: 25.6/15
Left Out: 0.000+/-0.000 χ²/NDF:29.3/20
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:25.7/20
+ sign 0.000+/-0.000 χ²/NDF: 55.3/36
All: 0.000+/-0.000 χ²/NDF: 101.6/75
- sign -0.000+/-0.000 χ²/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:11590668.1/20
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: 16198125.3/36
All: 0.004+/-0.000 χ²/NDF: 36276334.9/75
- sign 0.004+/-0.000 χ²/NDF: 19318216.9/38

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

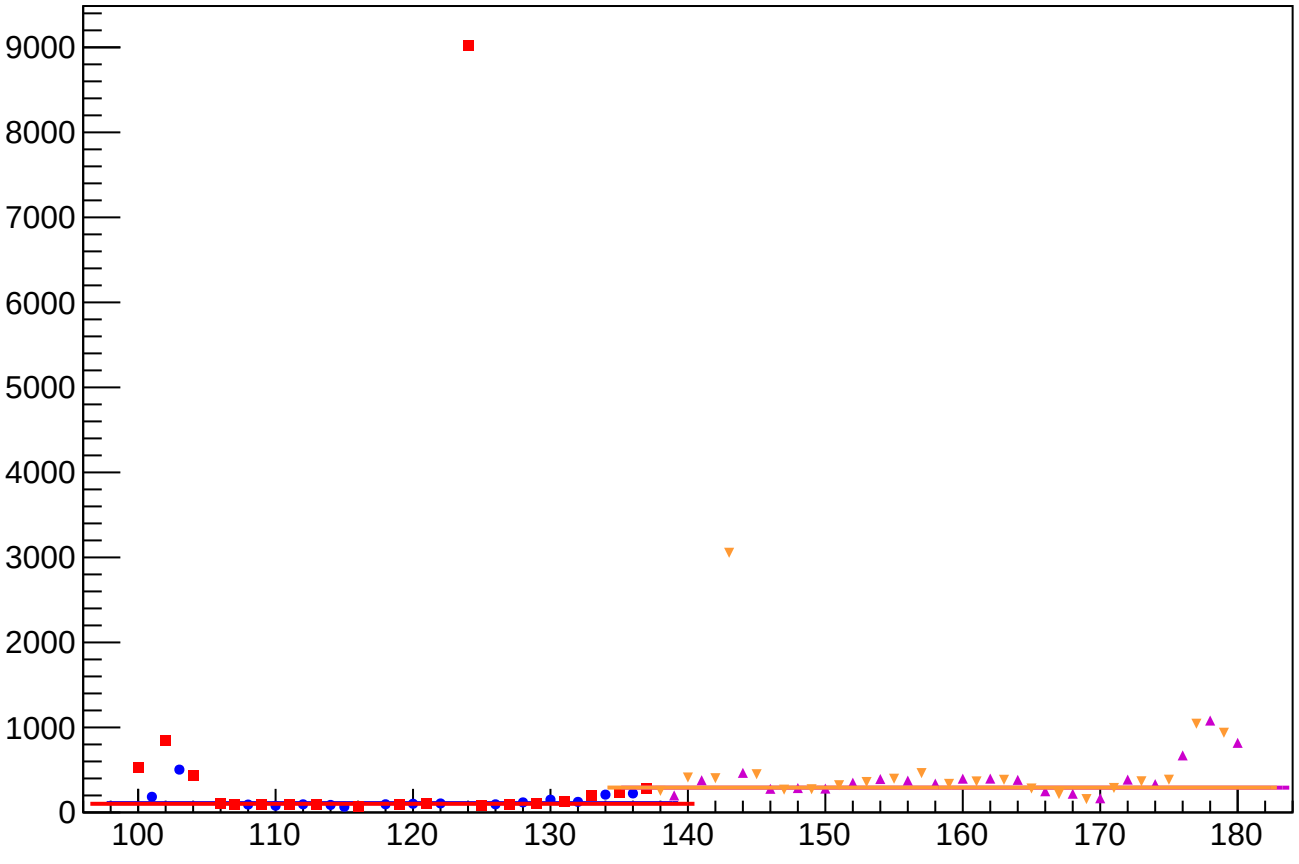
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.071+/-0.076 χ^2/NDF:23.6/20

+ sign 0.030+/-0.039 χ^2/NDF: 35.9/37

All: 0.004+/-0.027 χ^2/NDF: 83.3/77

- 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: 292.837+/-0.055 χ^2/NDF:5459371.7/21

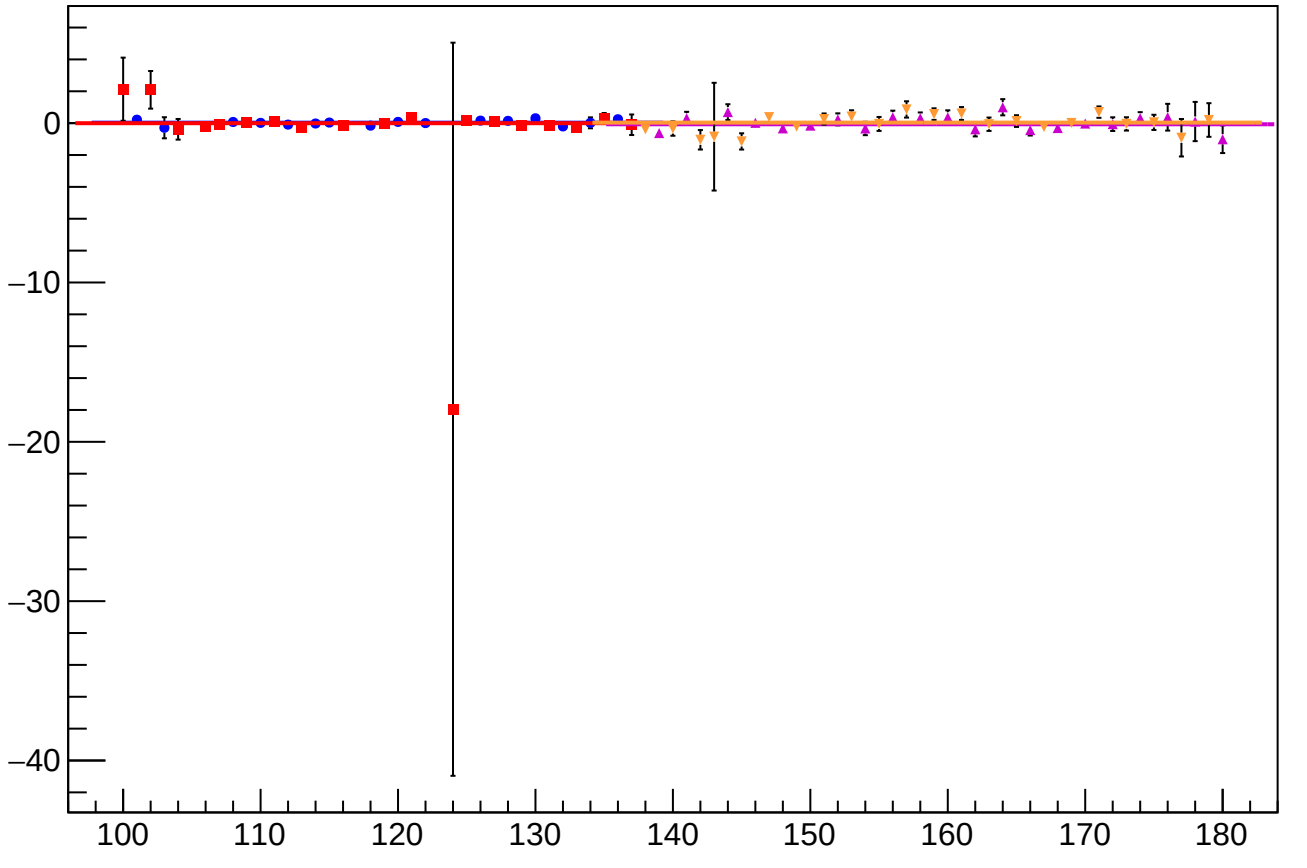
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 291.666+/-0.054 χ^2/NDF:4401748.8/20

+ sign 156.197+/-0.028 χ^2/NDF: 15624072.5/37

All: 151.986+/-0.019 χ^2/NDF: 31989067.6/77

- 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: 0.034+/-0.078 χ^2/NDF:27.0/21

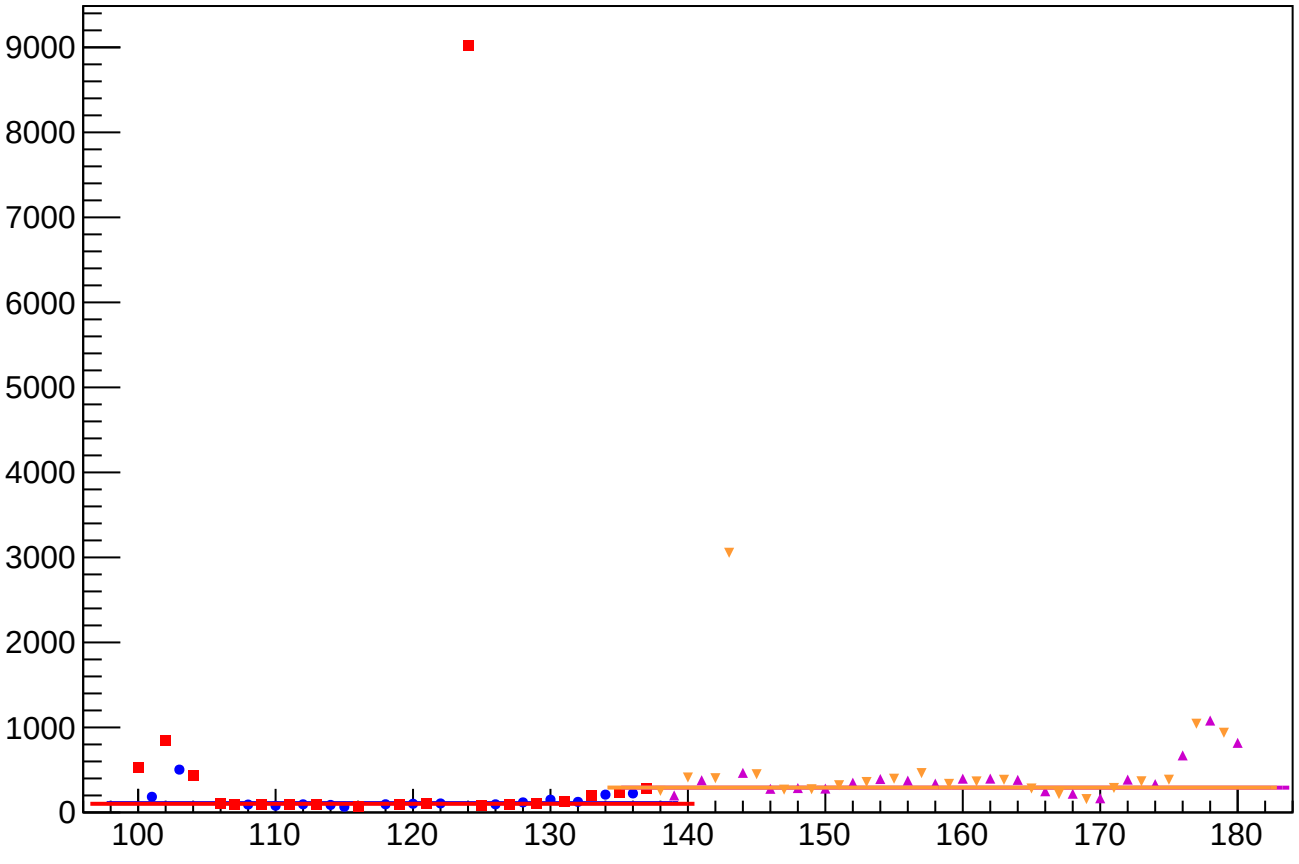
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.071+/-0.076 χ^2/NDF:23.6/20

+ sign 0.030+/-0.039 χ^2/NDF: 35.9/37

All: 0.004+/-0.027 χ^2/NDF: 83.3/77

- 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: 292.837+/-0.055 χ^2/NDF:5459371.7/21

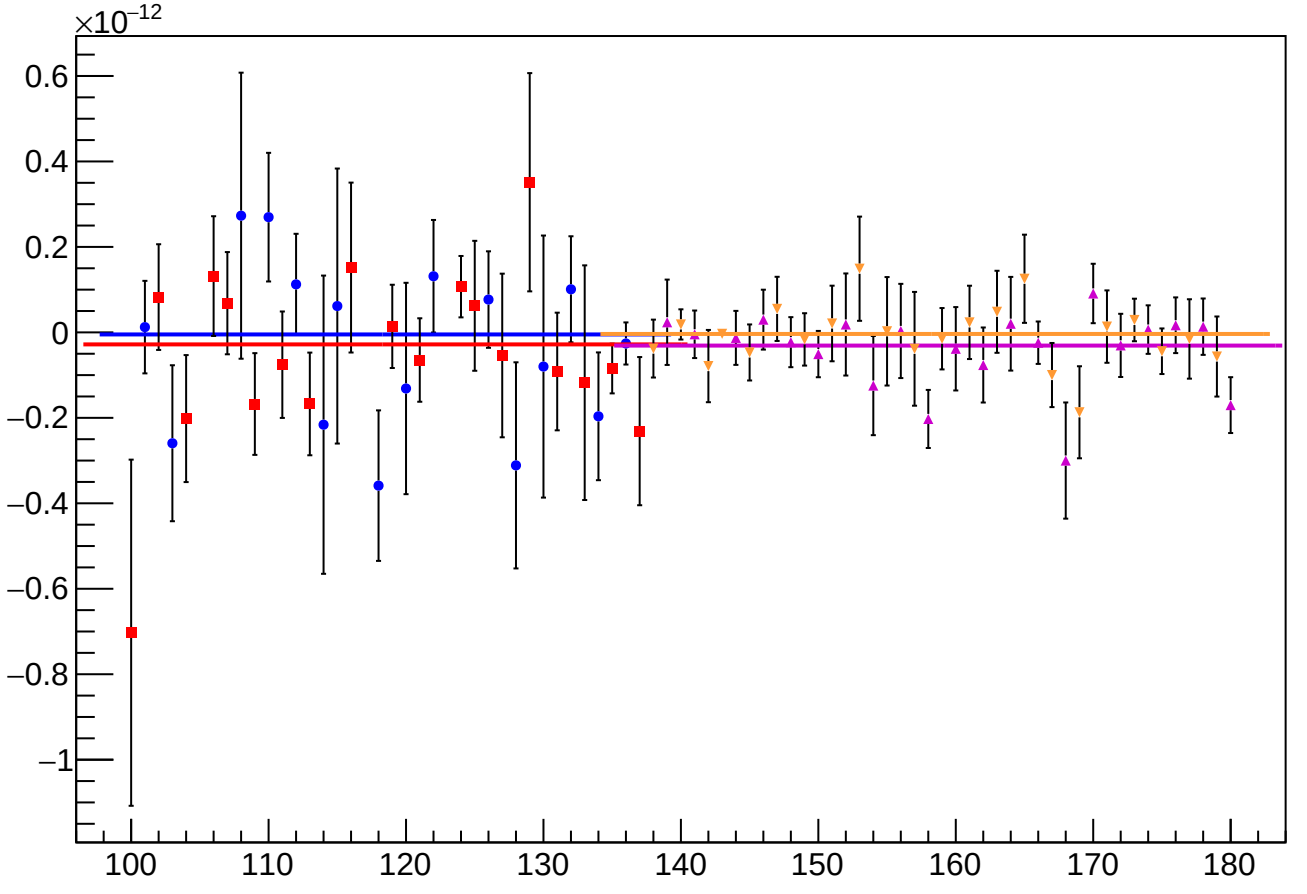
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 291.666+/-0.054 χ^2/NDF:4401748.8/20

+ sign 156.197+/-0.028 χ^2/NDF: 15624072.5/37

All: 151.986+/-0.019 χ^2/NDF: 31989067.6/77

- 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:12.2/21

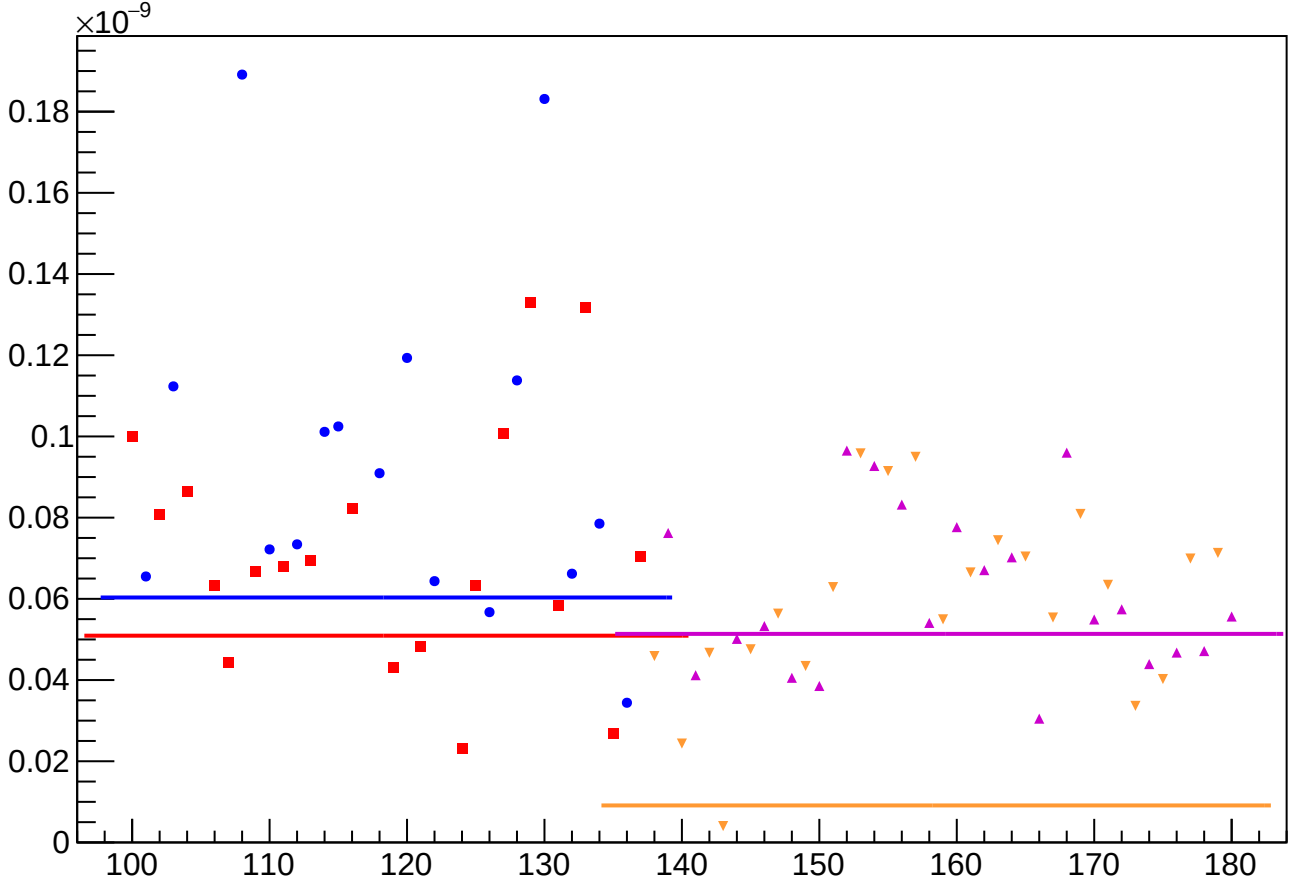
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:22.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/37

All: -0.000+/-0.000 χ^2/NDF: 74.9/77

- 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:17244308.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

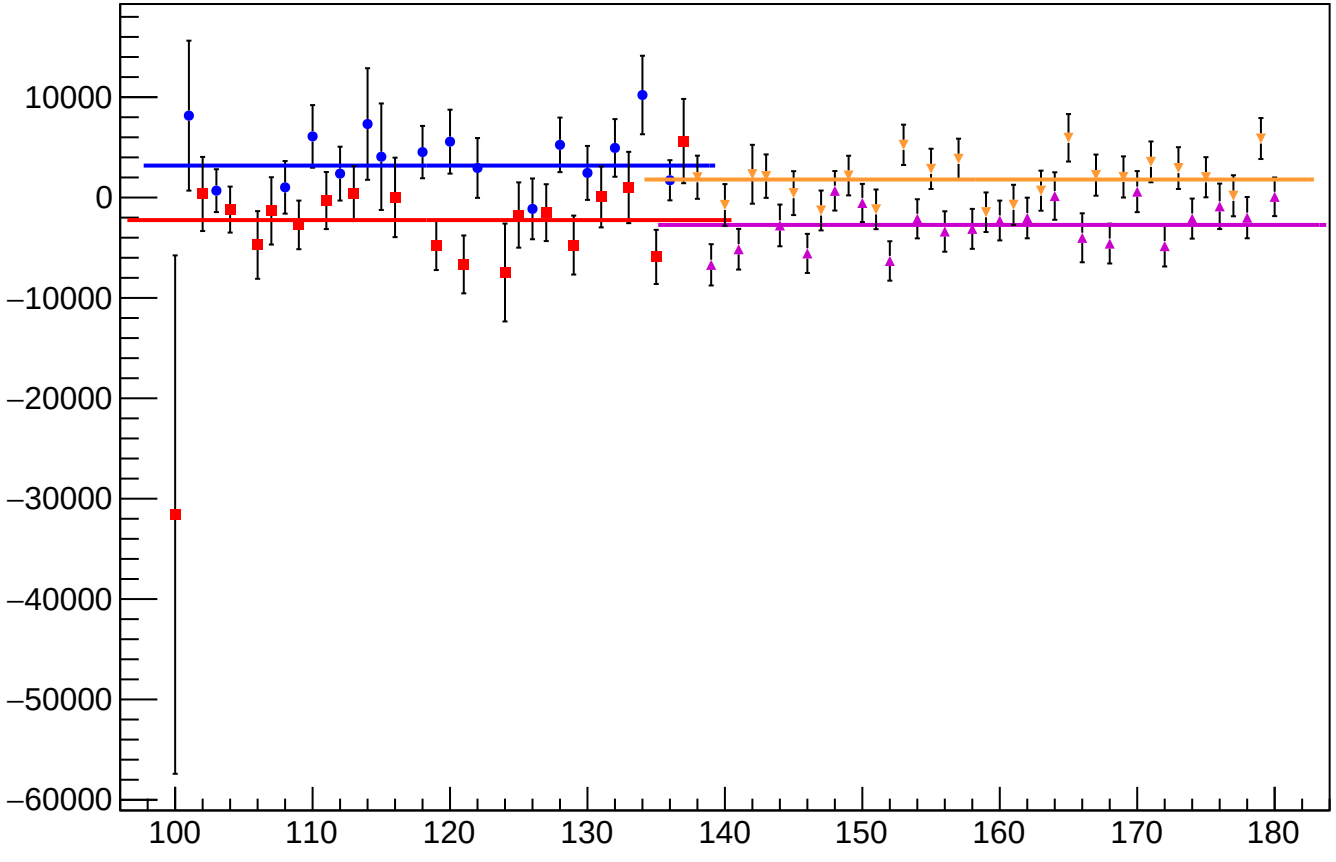
Left In: 0.000+/-0.000 χ^2/NDF:2000921.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 24052672.9/37

All: 0.000+/-0.000 χ^2/NDF: 43574131.6/77

- sign 0.000+/-0.000 χ^2/NDF: 3668323.4/39

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.692+/-442.308 χ^2/NDF:24.4/21

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

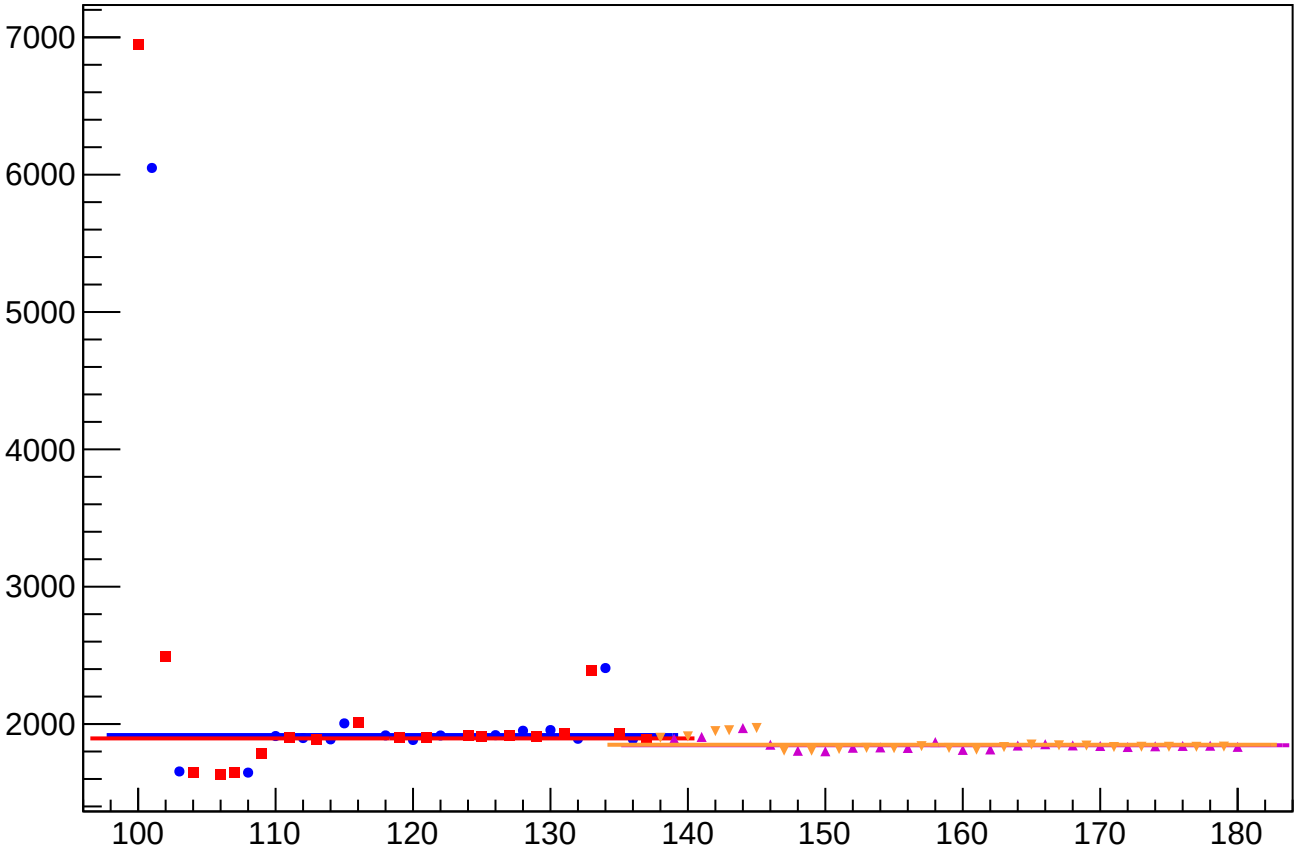
Left In: -2727.997+/-444.367 χ^2/NDF:24.7/20

+ sign 2166.843+/-378.445 χ^2/NDF: 38.7/37

All: -223.172+/-267.022 χ^2/NDF: 159.7/77

- 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: 1849.239+/-0.313 χ^2/NDF:20699.9/21

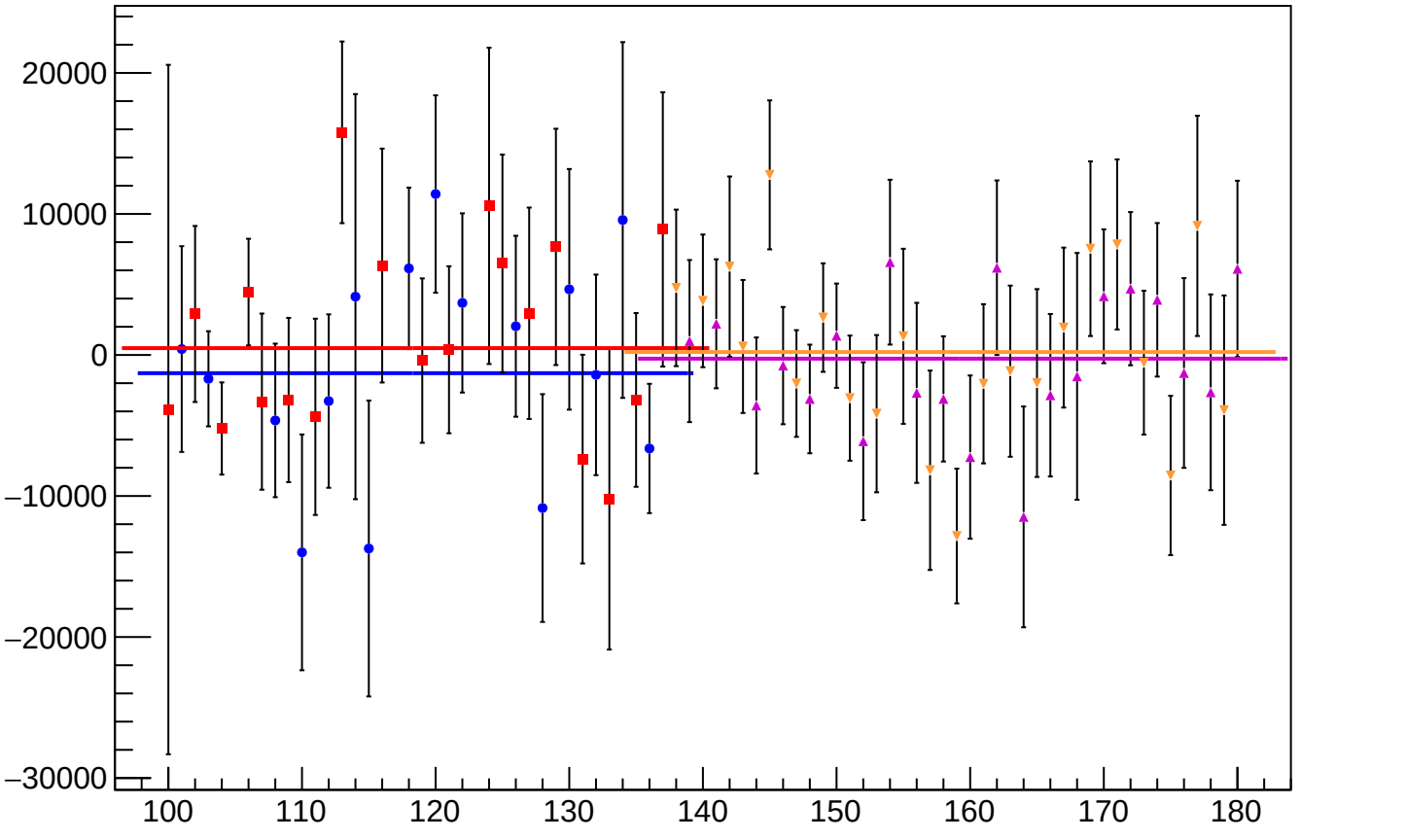
Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1845.497+/-0.314 χ^2/NDF:13990.3/20

+ sign 1868.151+/-0.268 χ^2/NDF: 731679.1/37

All: 1863.841+/-0.189 χ^2/NDF: 975570.0/77

- sign 1859.576+/-0.266 χ^2/NDF: 243374.8/39



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 206.939+/-1146.862 χ^2/NDF:26.0/21

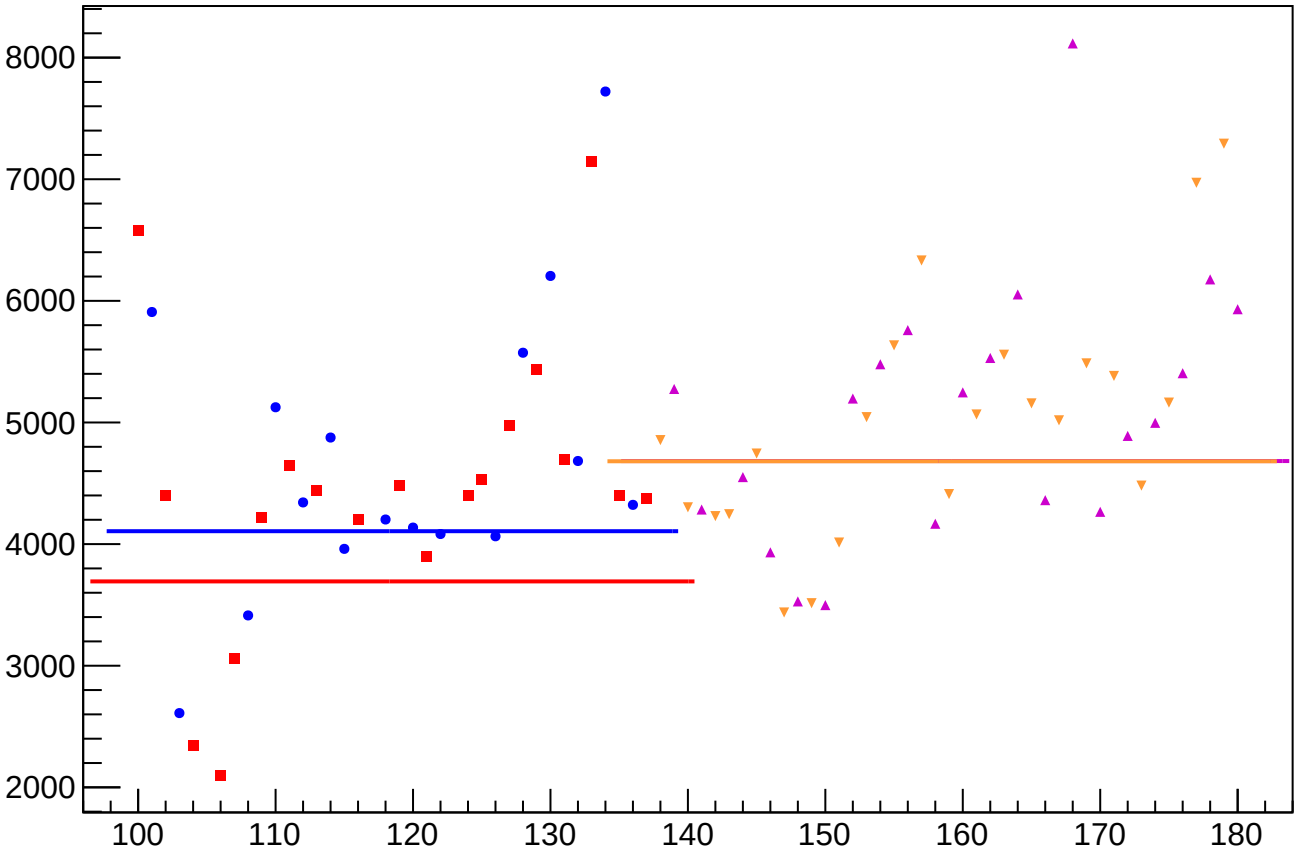
Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: -261.462+/-1153.293 χ^2/NDF:12.9/20

+ sign -307.456+/-929.228 χ^2/NDF: 40.9/37

All: -132.764+/-646.318 χ^2/NDF: 71.2/77

- 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: 4681.087+/-0.811 χ^2/NDF:1183617.2/21

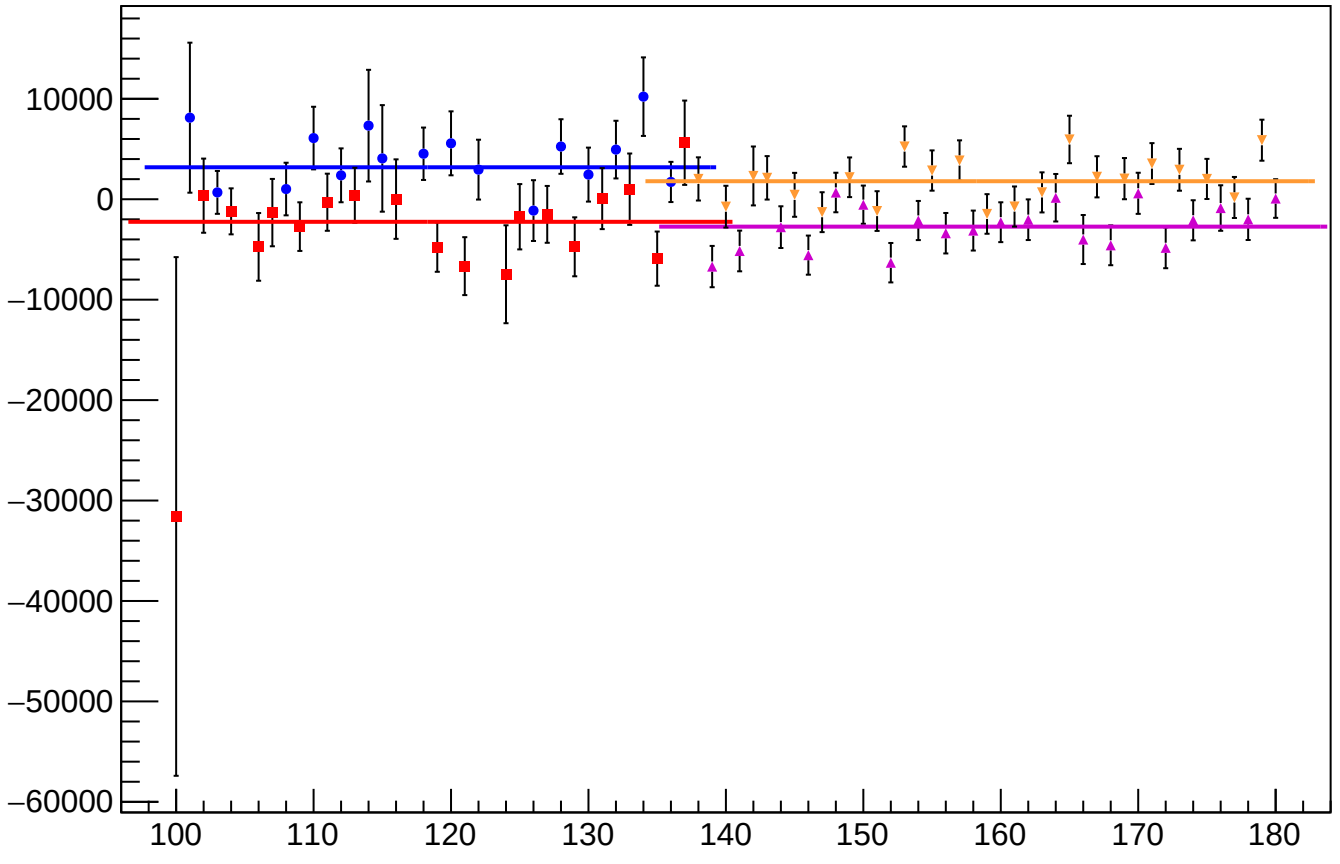
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4682.847+/-0.816 χ^2/NDF:1278211.7/20

+ sign 4483.583+/-0.657 χ^2/NDF: 2312415.3/37

All: 4386.392+/-0.457 χ^2/NDF: 5566306.6/77

- 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: 1794.616+/-442.308 χ^2/NDF:24.4/21

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

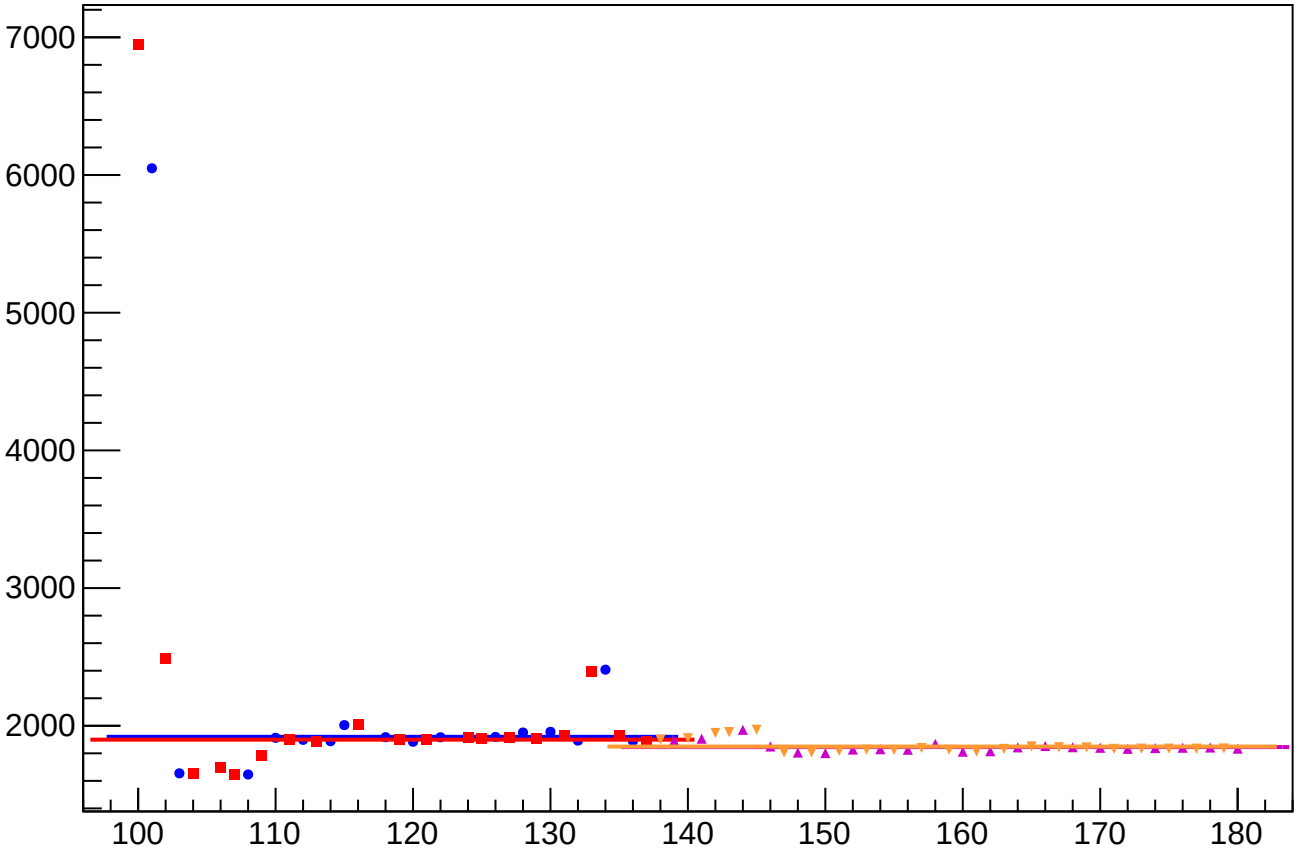
Left In: -2727.969+/-444.367 χ^2/NDF:24.7/20

+ sign 2166.591+/-378.445 χ^2/NDF: 38.7/37

All: -223.445+/-267.022 χ^2/NDF: 159.7/77

- 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: 1849.239+/-0.313 χ^2/NDF:20699.9/21

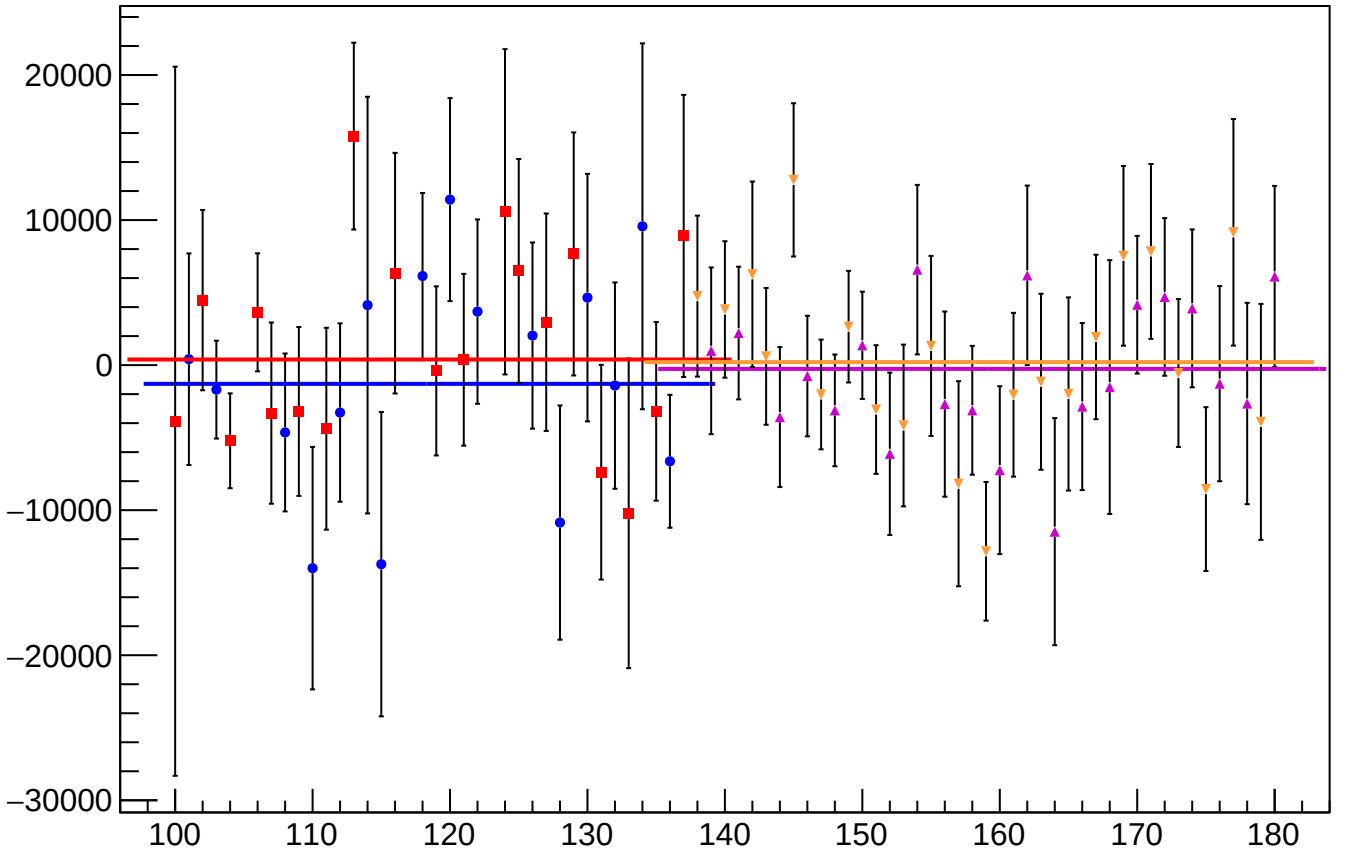
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.497+/-0.314 χ^2/NDF:13990.3/20

+ sign 1868.151+/-0.268 χ^2/NDF: 731678.4/37

All: 1864.390+/-0.189 χ^2/NDF: 969991.3/77

- 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: 206.917+/-1146.860 χ^2/NDF:26.0/21

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

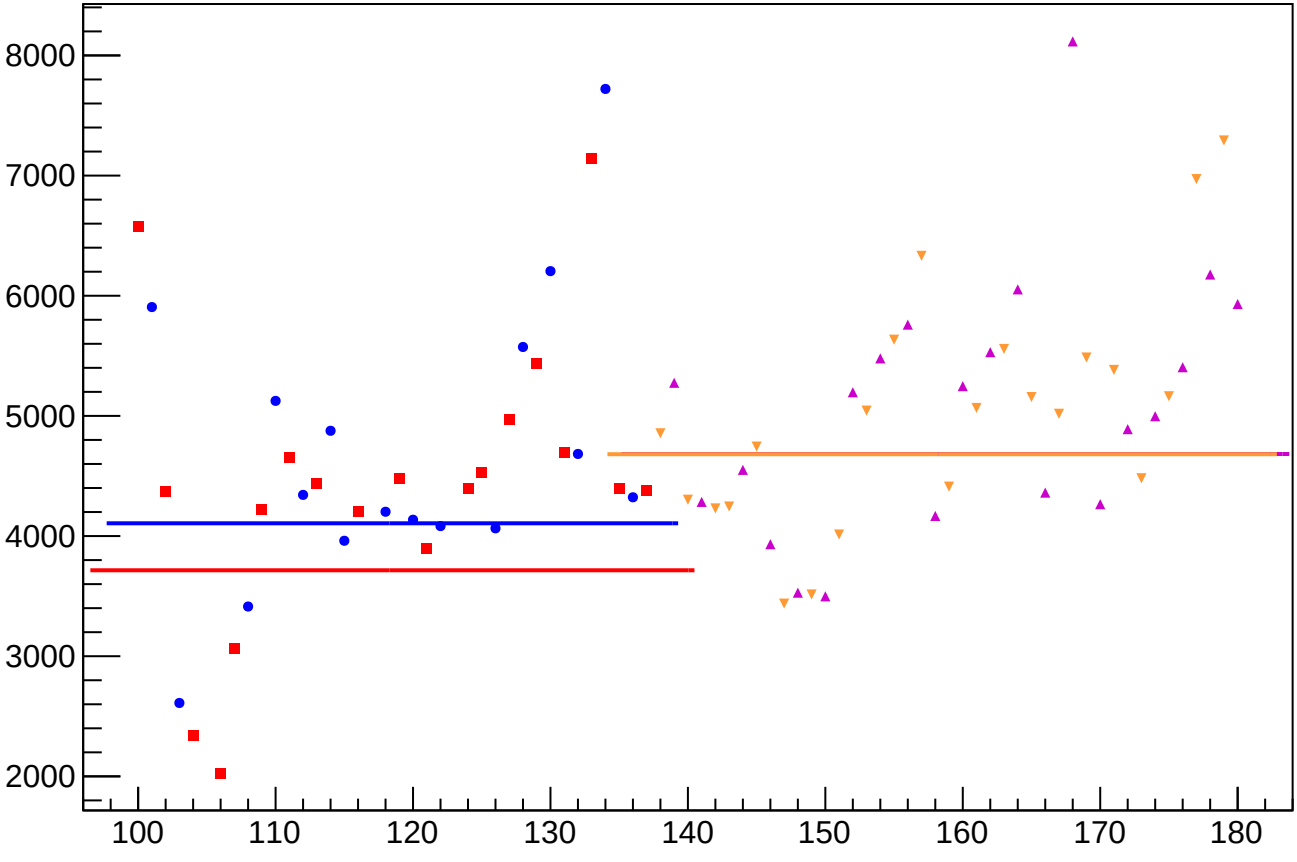
Left In: -261.440+/-1153.294 χ^2/NDF:12.9/20

+ sign -307.595+/-929.228 χ^2/NDF: 40.9/37

All: -154.667+/-647.581 χ^2/NDF: 70.9/77

- 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: 4681.077+/-0.811 χ^2/NDF:1183643.0/21

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

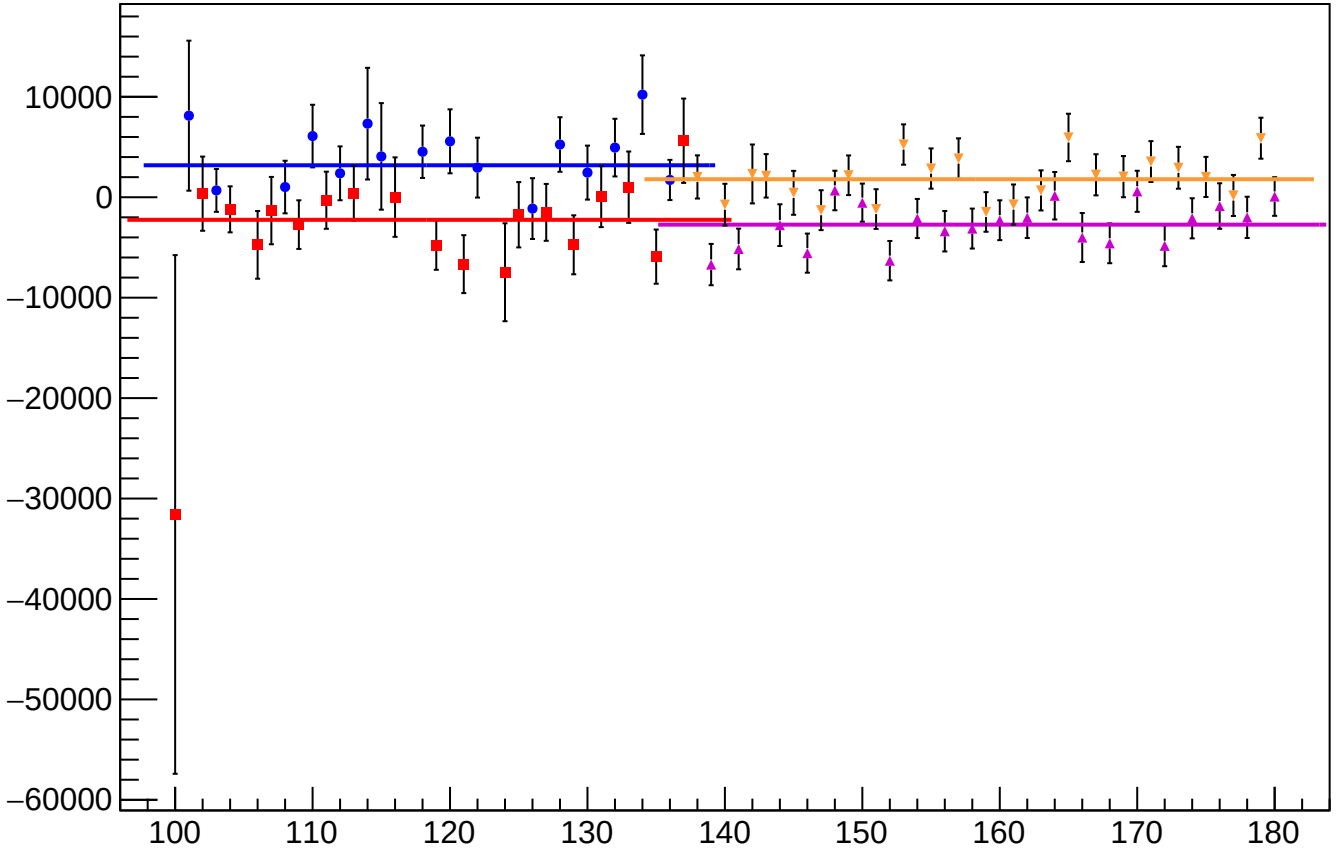
Left In: 4682.850+/-0.816 χ^2/NDF:1278207.0/20

+ sign 4483.609+/-0.657 χ^2/NDF: 2311879.8/37

All: 4393.485+/-0.458 χ^2/NDF: 5506621.2/77

- sign 4308.382+/-0.638 χ^2/NDF: 3158163.0/39

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.616+/-442.308 χ^2/NDF:24.4/21

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

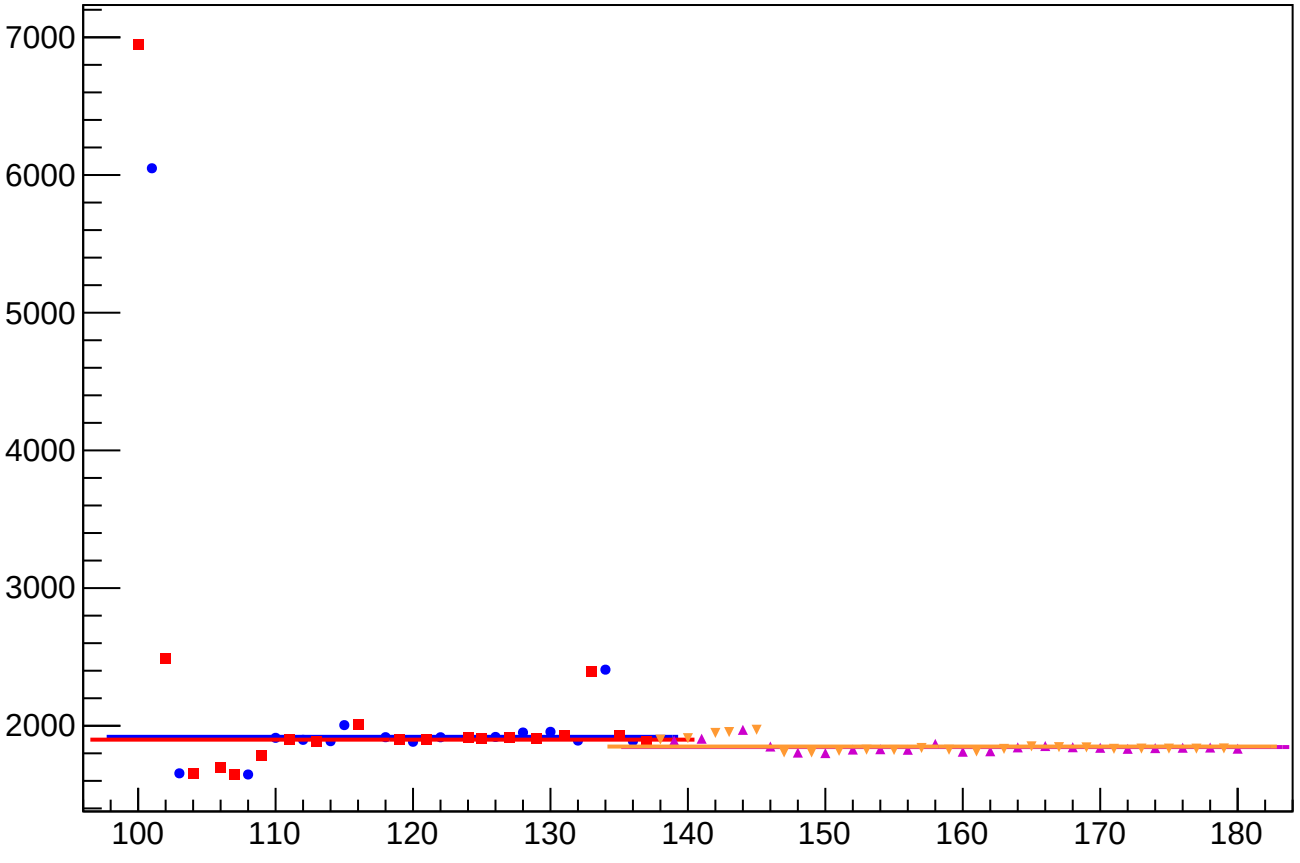
Left In: -2727.969+/-444.367 χ^2/NDF:24.7/20

+ sign 2166.591+/-378.445 χ^2/NDF: 38.7/37

All: -223.445+/-267.022 χ^2/NDF: 159.7/77

- 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: 1849.239+/-0.313 χ^2/NDF:20699.9/21

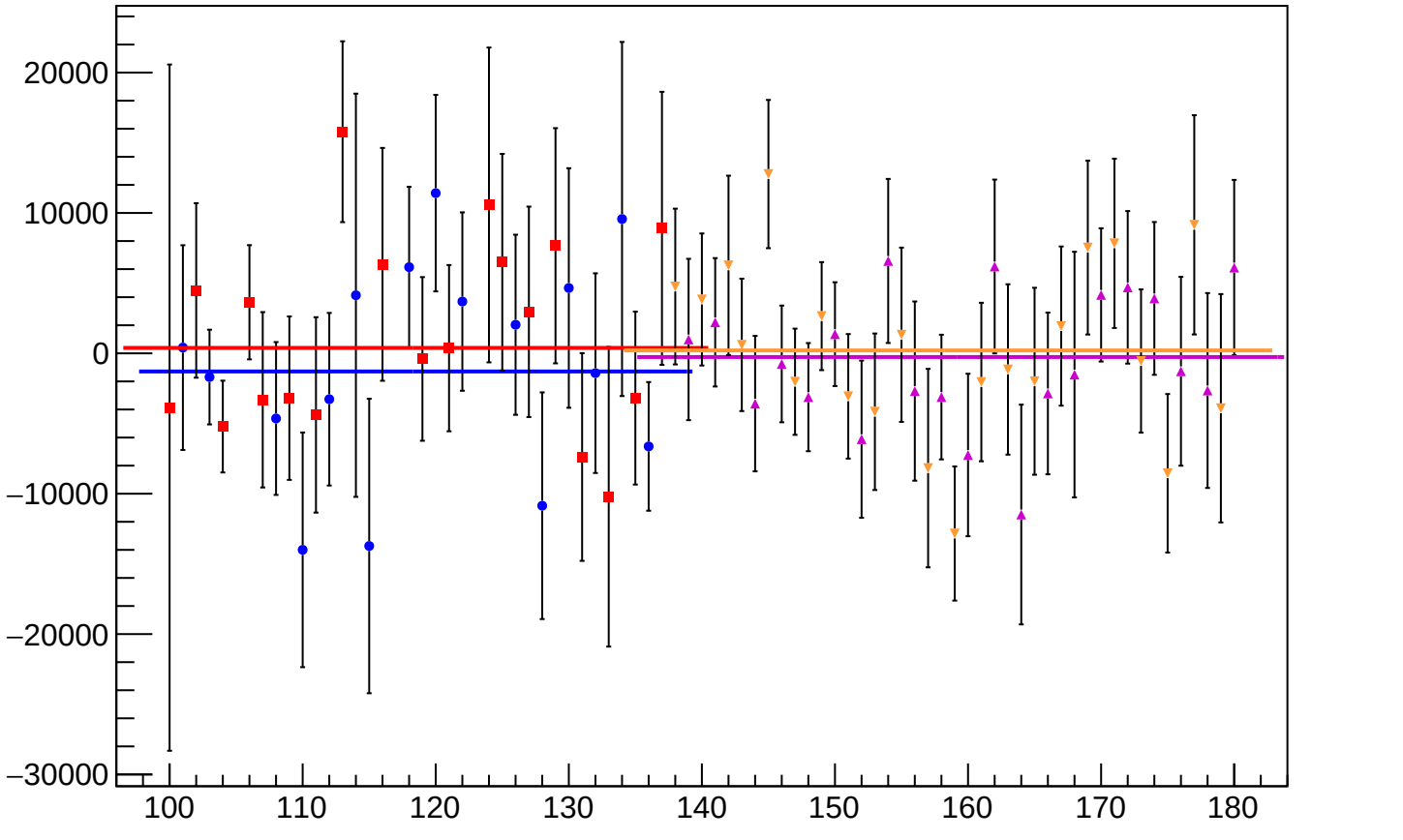
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.497+/-0.314 χ^2/NDF:13990.3/20

\+ sign 1868.151+/-0.268 χ^2/NDF: 731678.4/37

All: 1864.390+/-0.189 χ^2/NDF: 969991.3/77

\- 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: 206.917+/-1146.860 χ^2/NDF:26.0/21

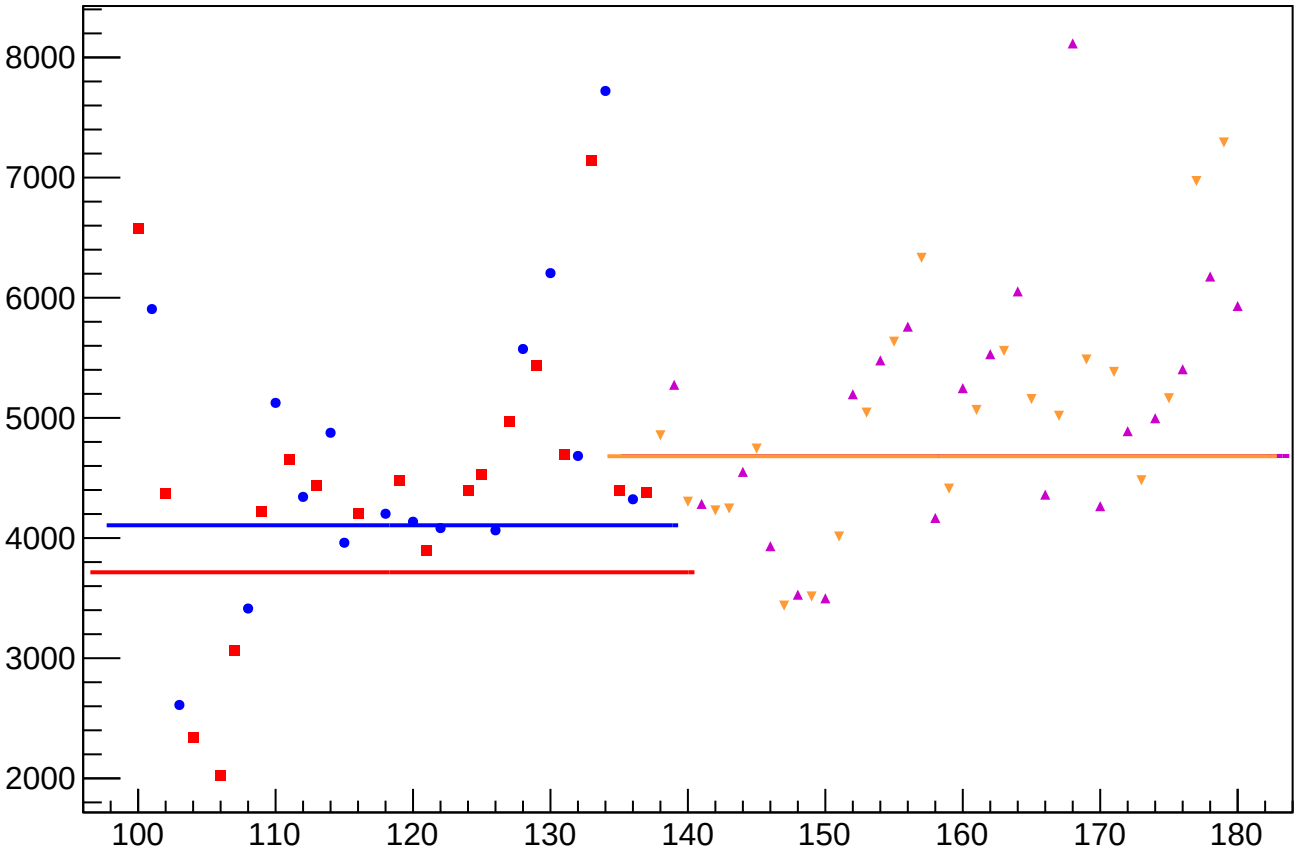
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -261.440+/-1153.294 χ^2/NDF:12.9/20

+ sign -307.595+/-929.228 χ^2/NDF: 40.9/37

All: -154.667+/-647.581 χ^2/NDF: 70.9/77

- 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: 4681.077+/-0.811 χ^2/NDF:1183643.0/21

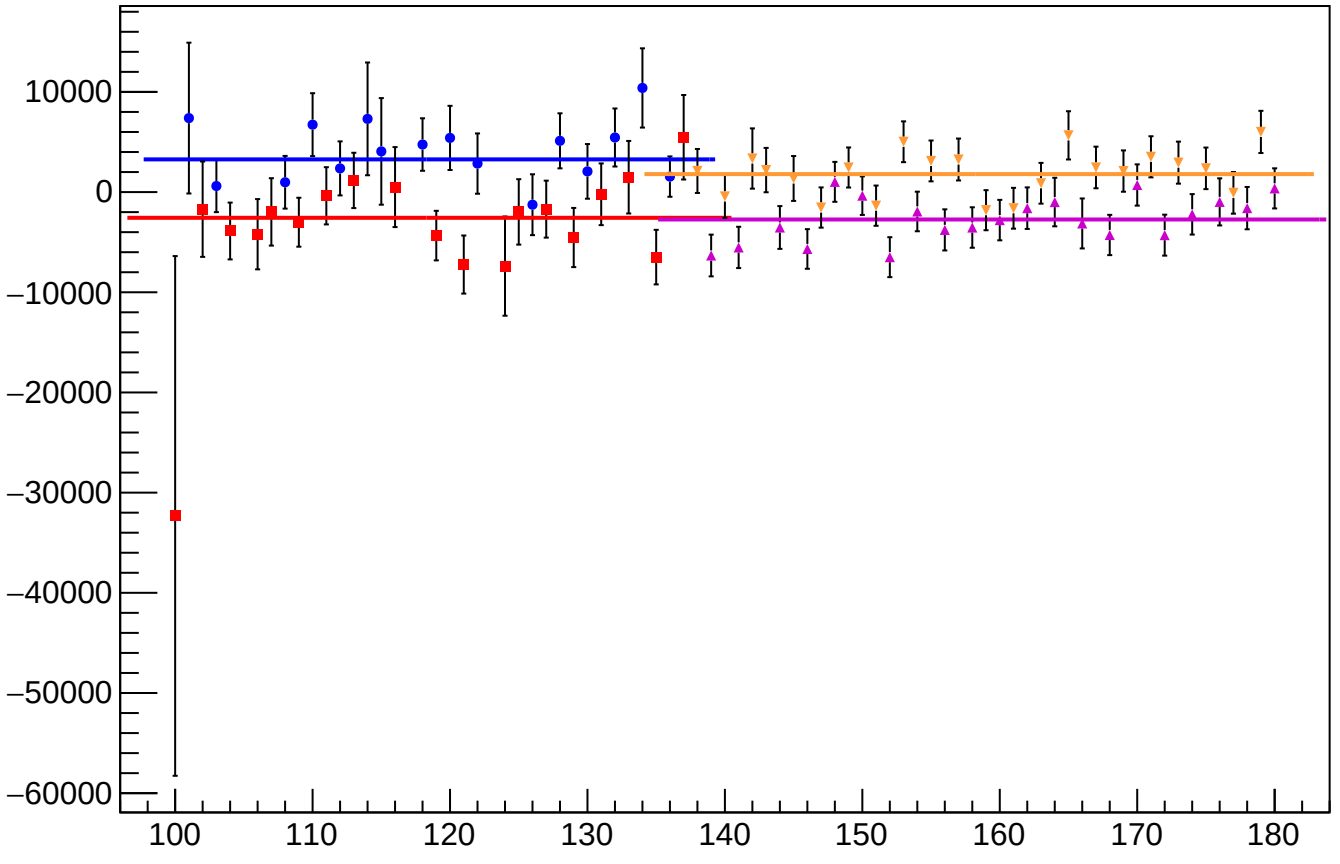
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4682.850+/-0.816 χ^2/NDF:1278207.0/20

+ sign 4483.609+/-0.657 χ^2/NDF: 2311879.8/37

All: 4393.485+/-0.458 χ^2/NDF: 5506621.2/77

- 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: 1794.532+/-450.687 χ^2/NDF:25.0/21

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

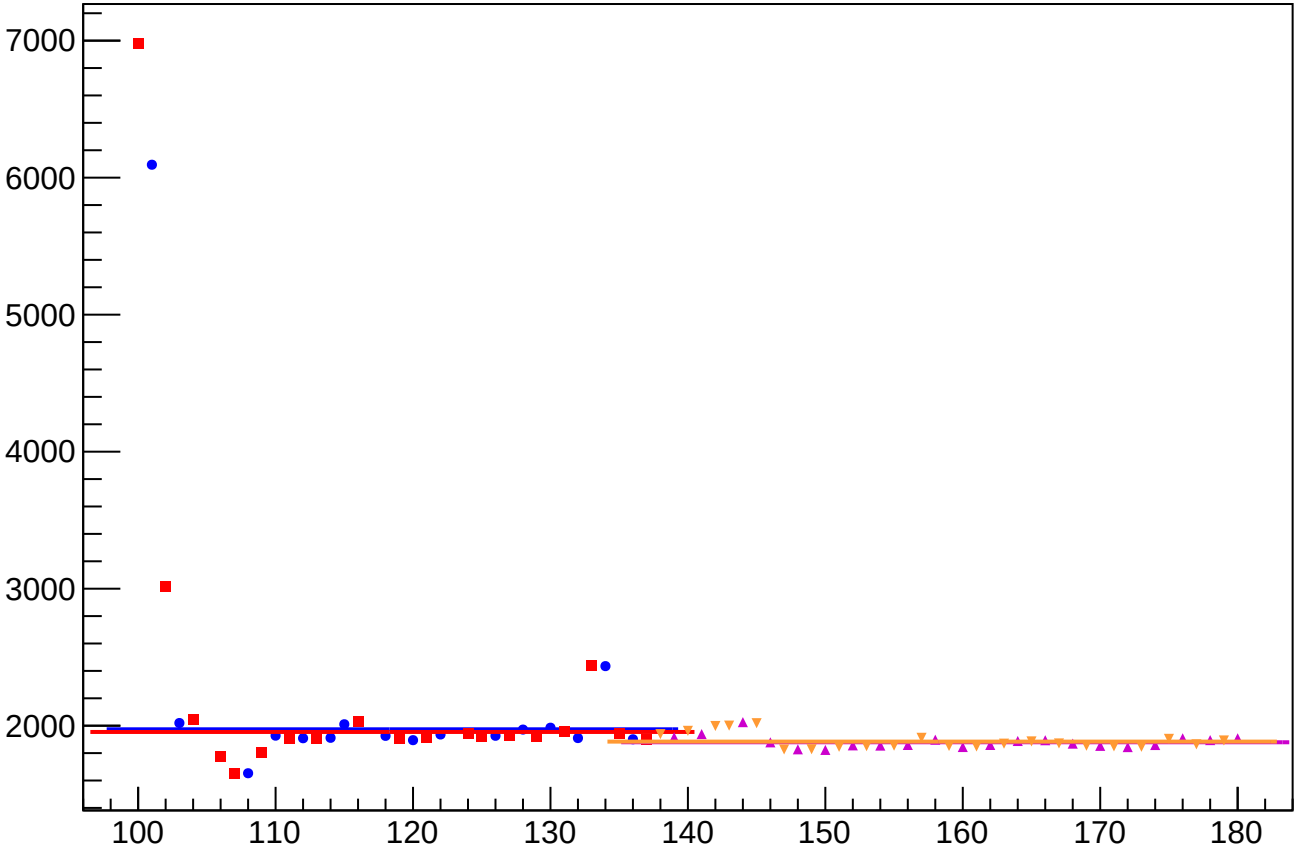
Left In: -2734.538+/-452.531 χ^2/NDF:24.5/20

+ sign 2183.892+/-386.423 χ^2/NDF: 40.0/37

All: -259.136+/-272.856 χ^2/NDF: 161.3/77

- 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: 1883.919+/-0.319 χ^2/NDF:28134.6/21

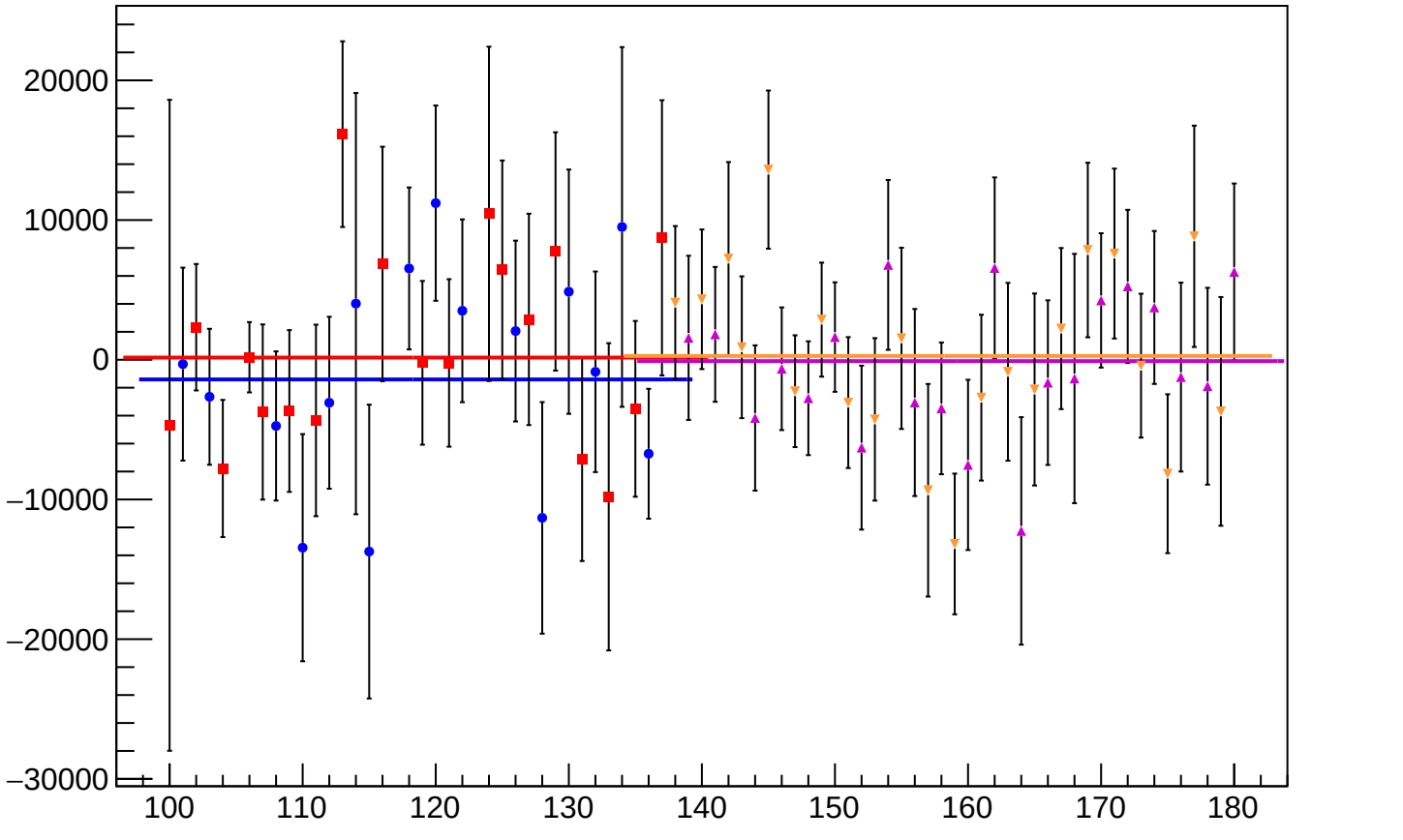
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1879.131+/-0.320 χ^2/NDF:18551.3/20

+ sign 1907.710+/-0.273 χ^2/NDF: 714302.4/37

All: 1903.760+/-0.193 χ^2/NDF: 994689.1/77

- sign 1899.835+/-0.272 χ^2/NDF: 279970.1/39



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 271.852+/-1196.147 χ^2/NDF:25.5/21

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

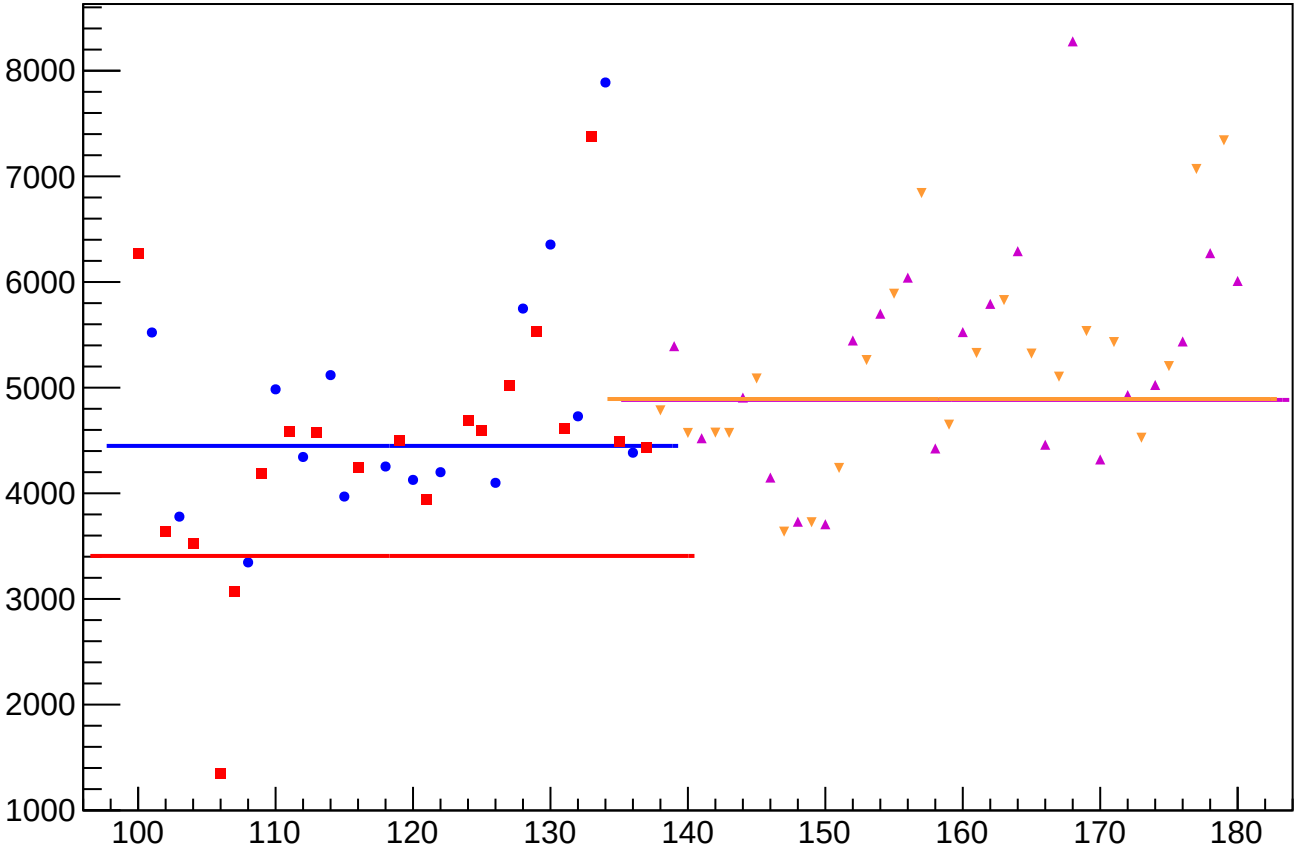
Left In: -97.630+/-1200.603 χ^2/NDF:12.8/20

+ sign -288.608+/-976.338 χ^2/NDF: 40.4/37

All: -125.844+/-662.182 χ^2/NDF: 69.1/77

- 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: 4892.562+/-0.846 χ^2/NDF:1061785.5/21

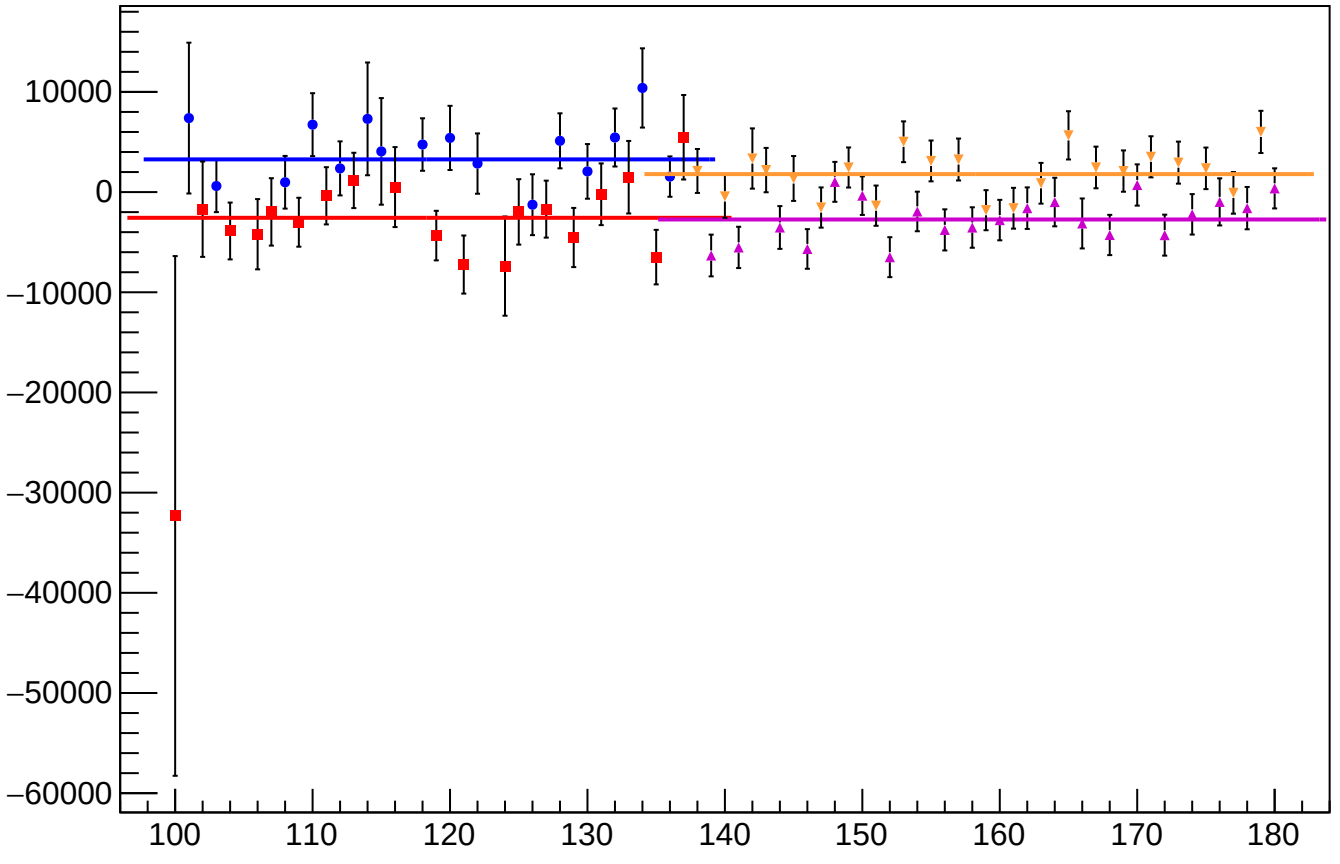
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4884.006+/-0.849 χ^2/NDF:1160659.5/20

+ sign 4744.423+/-0.690 χ^2/NDF: 1648310.4/37

All: 4471.542+/-0.468 χ^2/NDF: 6745883.8/77

- sign 4239.091+/-0.637 χ^2/NDF: 4808253.2/39



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1794.527+/-450.687 χ^2/NDF:25.0/21

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

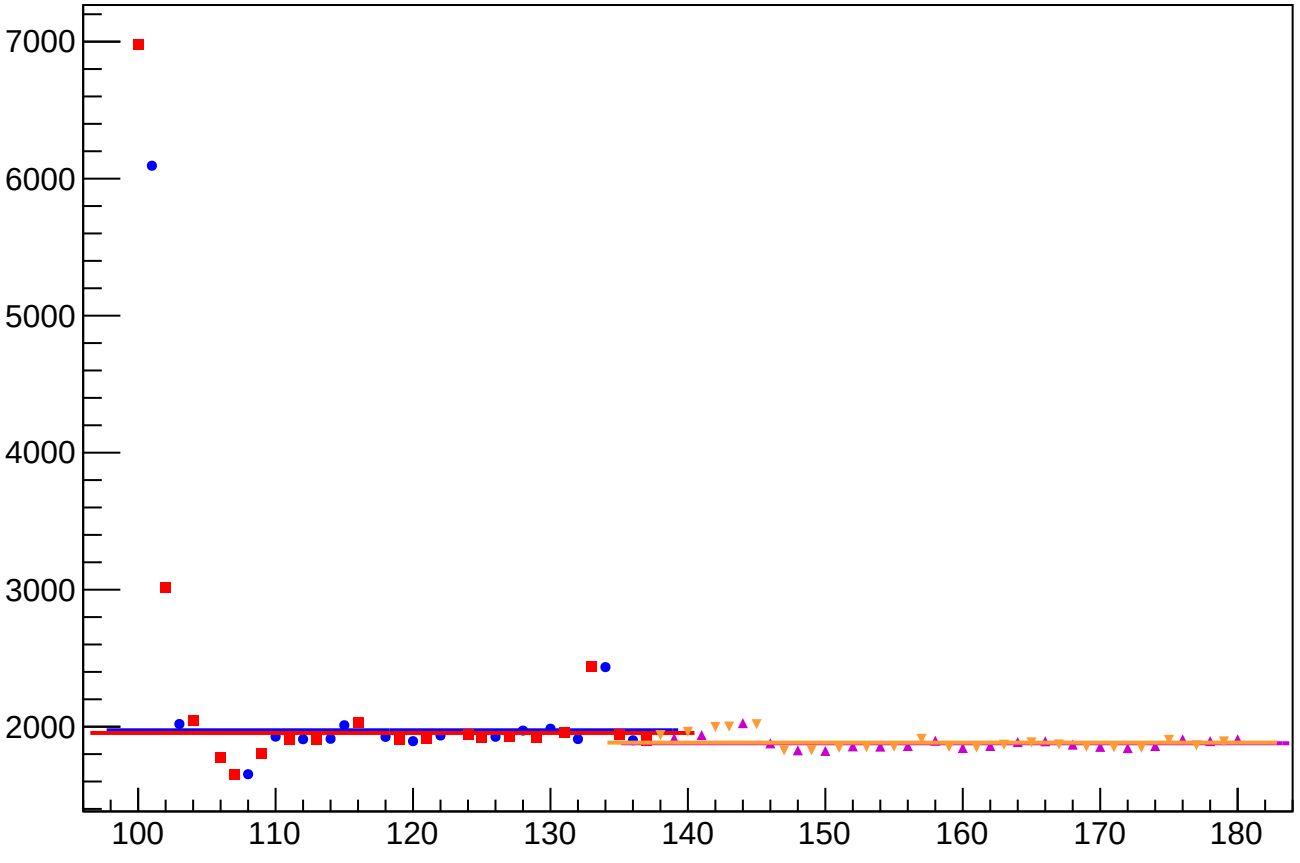
Left In: -2734.538+/-452.531 χ^2/NDF:24.5/20

+ sign 2183.889+/-386.423 χ^2/NDF: 40.0/37

All: -259.138+/-272.856 χ^2/NDF: 161.3/77

- 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: 1883.919+/-0.319 χ^2/NDF:28134.7/21

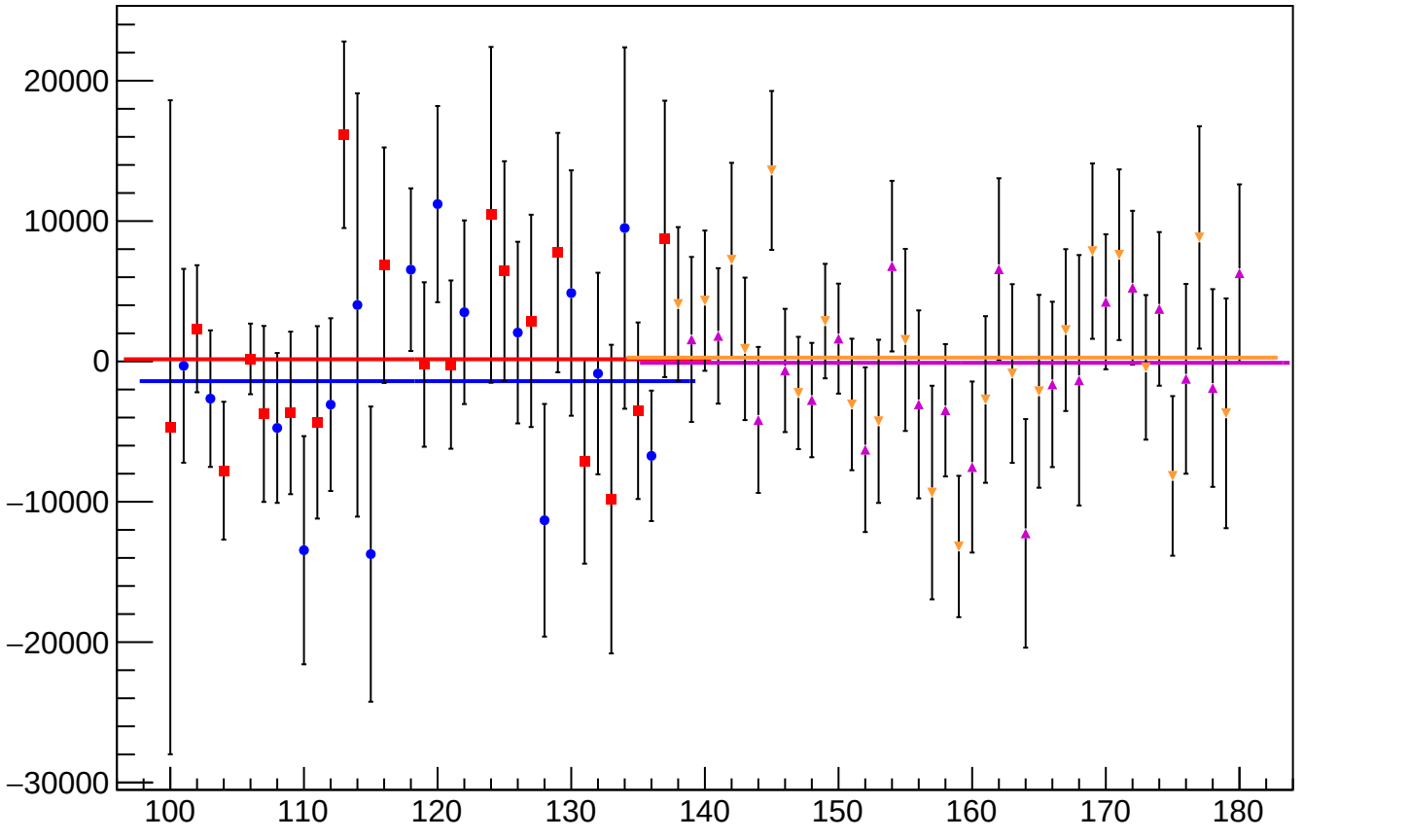
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1879.131+/-0.320 χ^2/NDF:18551.3/20

+ sign 1907.710+/-0.273 χ^2/NDF: 714302.0/37

All: 1903.761+/-0.193 χ^2/NDF: 994687.7/77

- 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: 271.850+/-1196.149 χ^2/NDF:25.5/21

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

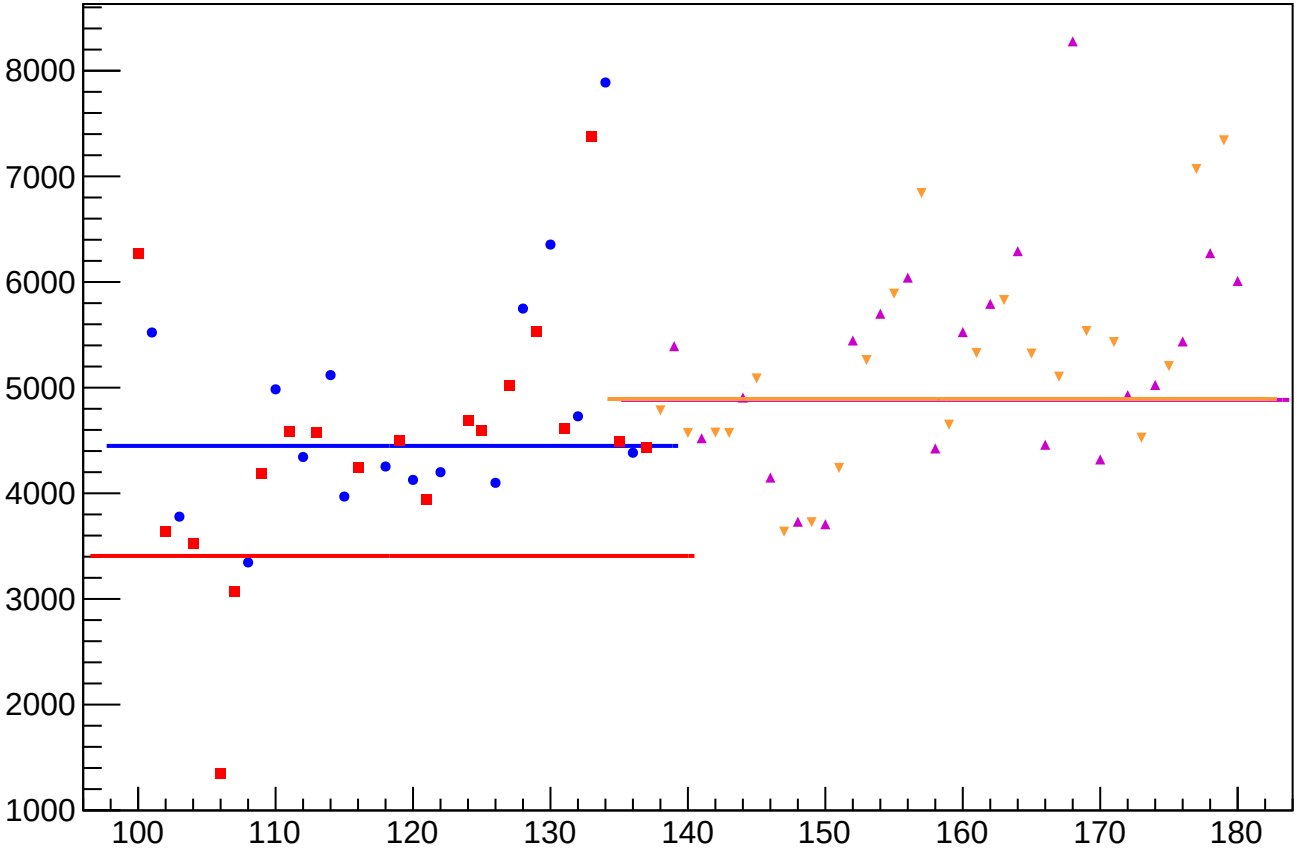
Left In: -97.629+/-1200.605 χ^2/NDF:12.8/20

\+ sign -288.605+/-976.339 χ^2/NDF: 40.4/37

All: -125.842+/-662.183 χ^2/NDF: 69.1/77

\- 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: 4892.570+/-0.846 χ^2/NDF:1061786.9/21

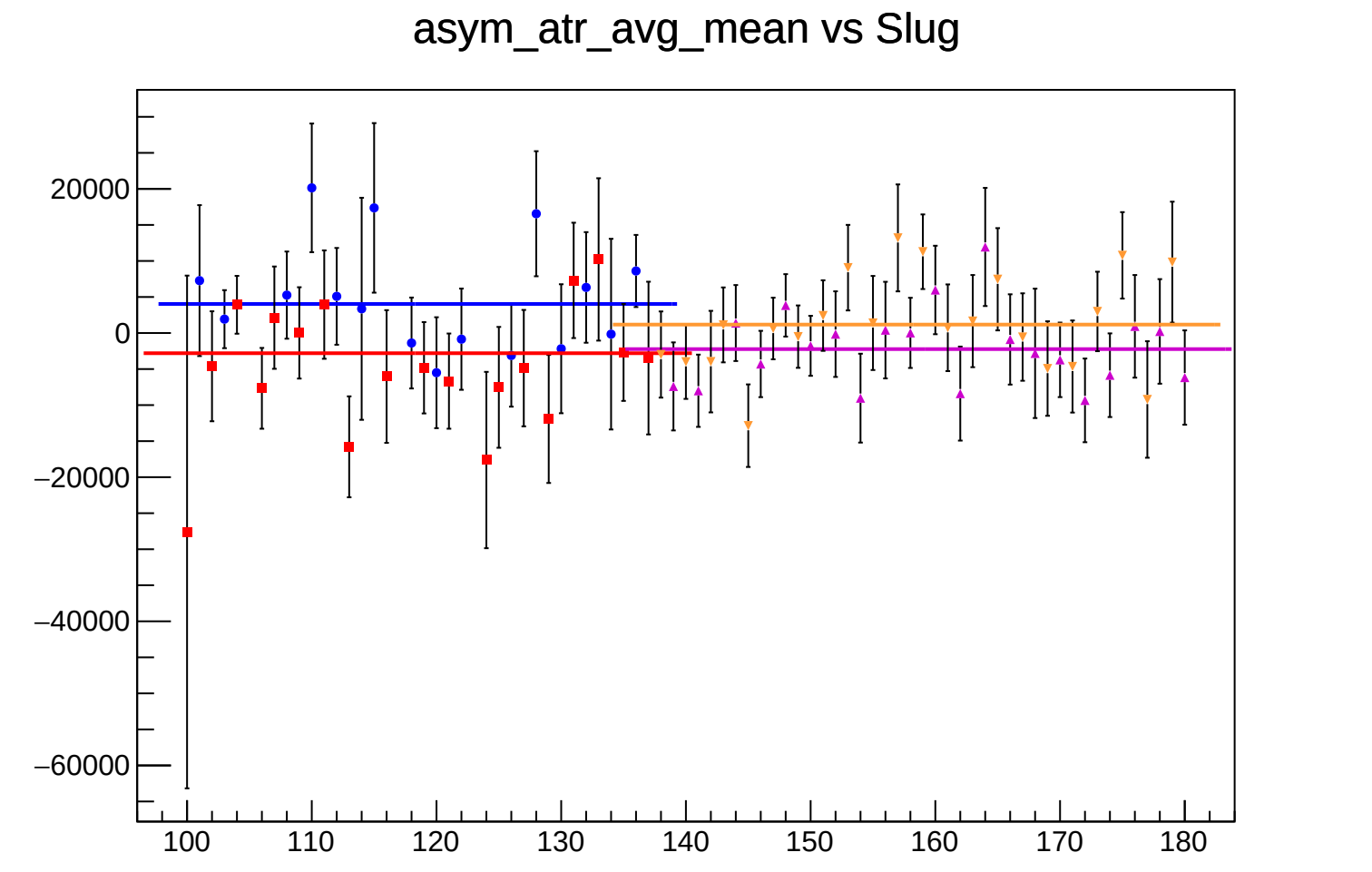
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4884.014+/-0.849 χ^2/NDF:1160661.7/20

+ sign 4744.425+/-0.690 χ^2/NDF: 1648315.3/37

All: 4471.542+/-0.468 χ^2/NDF: 6745929.0/77

- 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: 1170.911+/-1242.751 χ^2/NDF:24.4/21

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

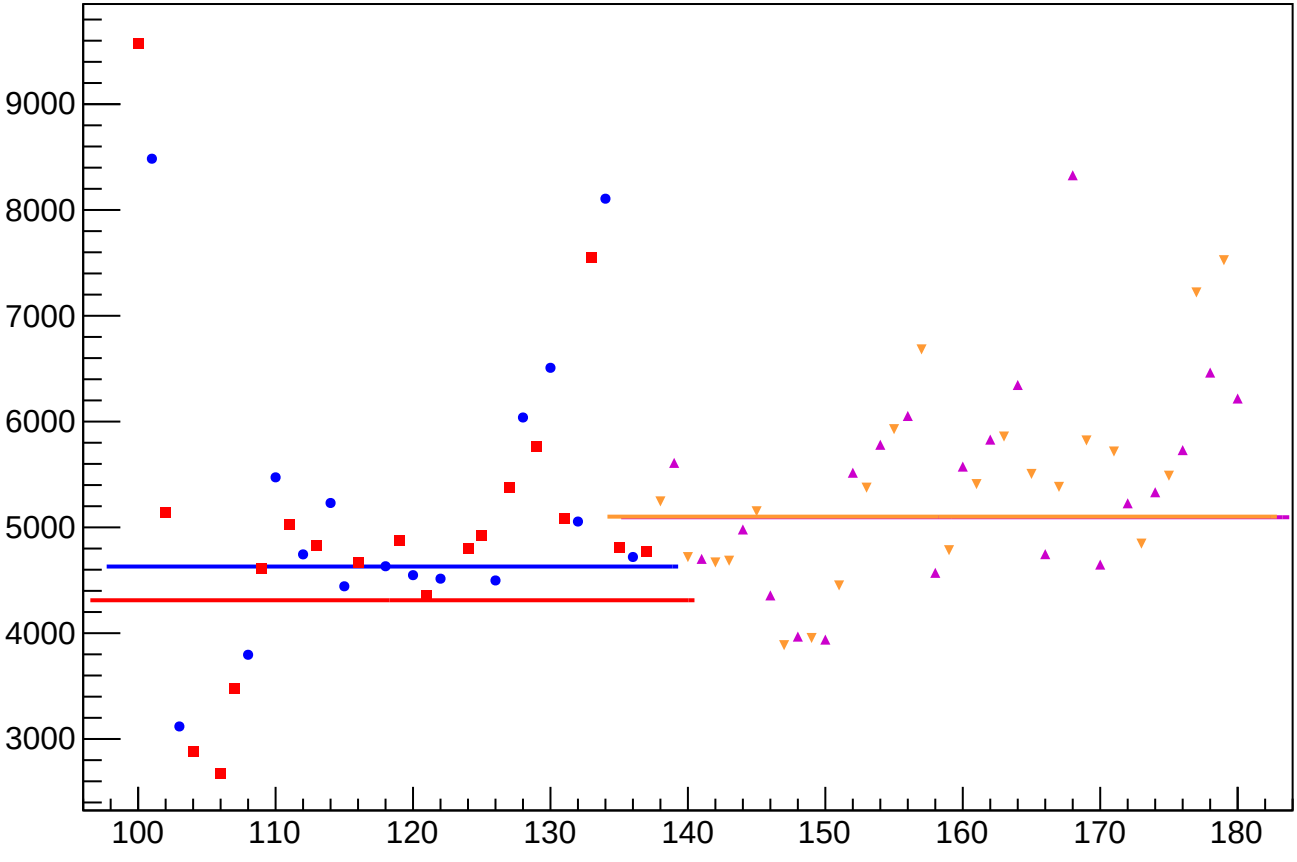
Left In: -2230.126+/-1248.380 χ^2/NDF:14.8/20

\+ sign 2107.917+/-1019.355 χ^2/NDF: 38.5/37

All: -206.076+/-713.957 χ^2/NDF: 78.9/77

\- 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: 5101.510+/-0.879 χ^2/NDF:908215.5/21

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

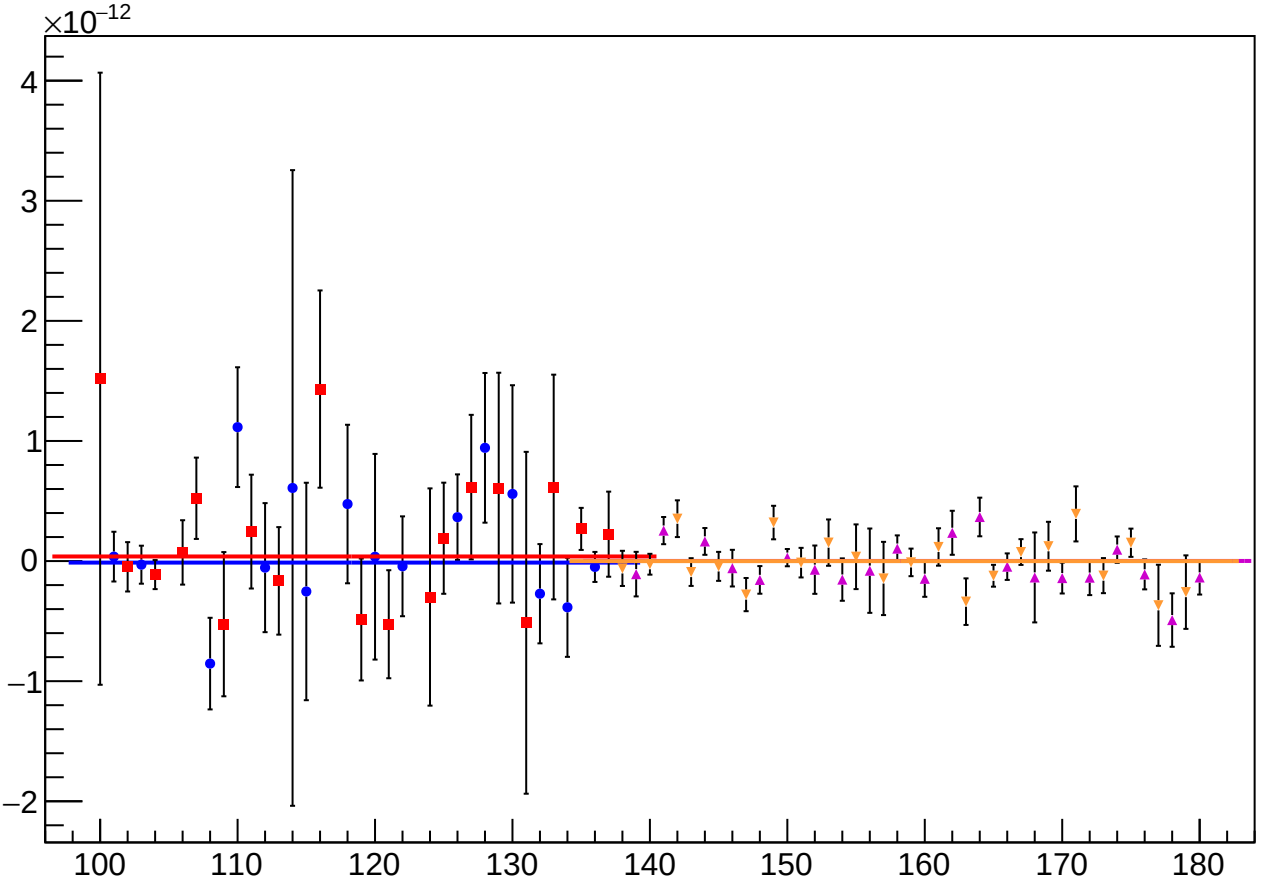
Left In: 5095.792+/-0.883 χ^2/NDF:982566.7/20

+ sign 4947.219+/-0.721 χ^2/NDF: 1902677.8/37

All: 4878.019+/-0.504 χ^2/NDF: 4093960.3/77

- 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:30.1/21

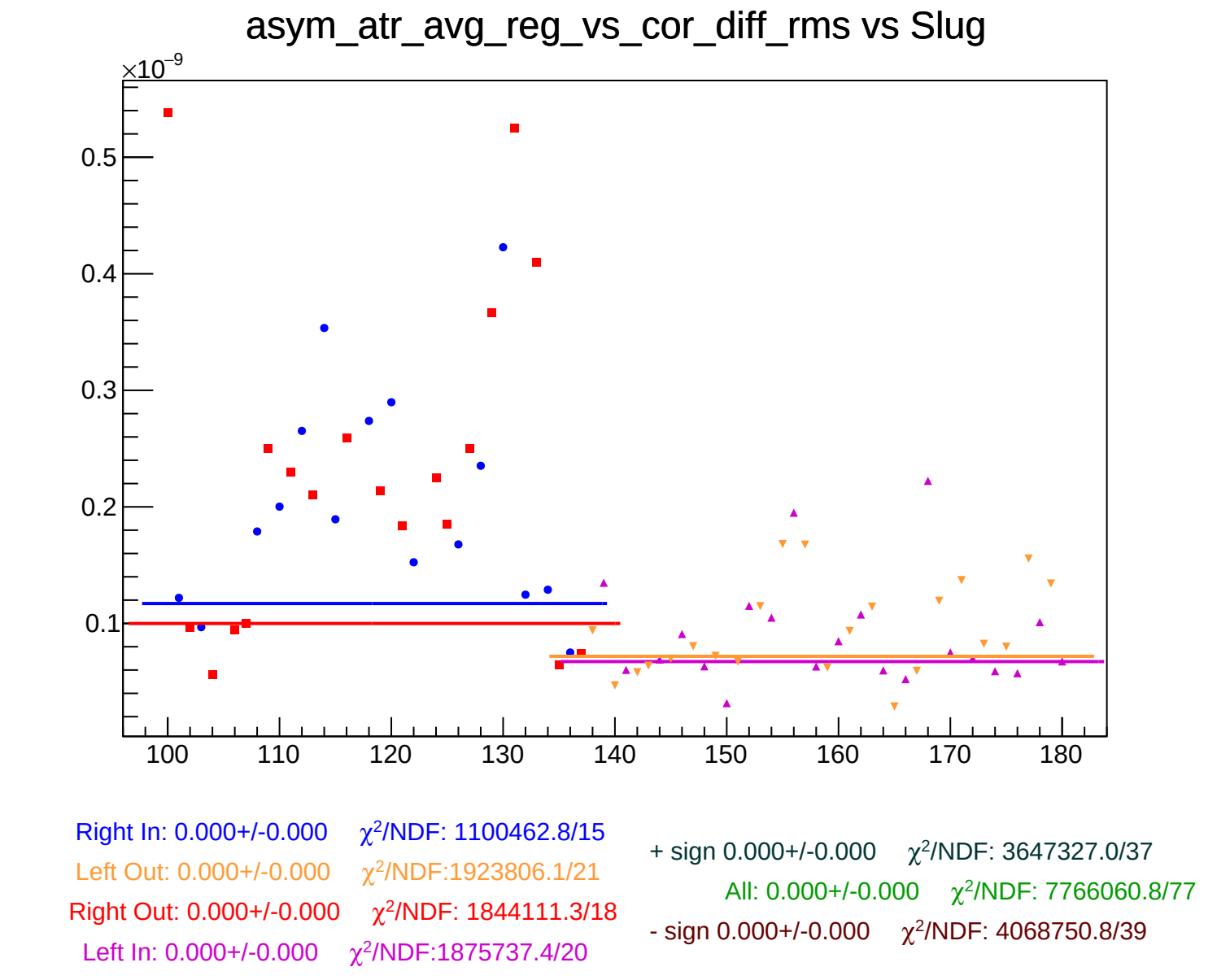
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:29.1/20

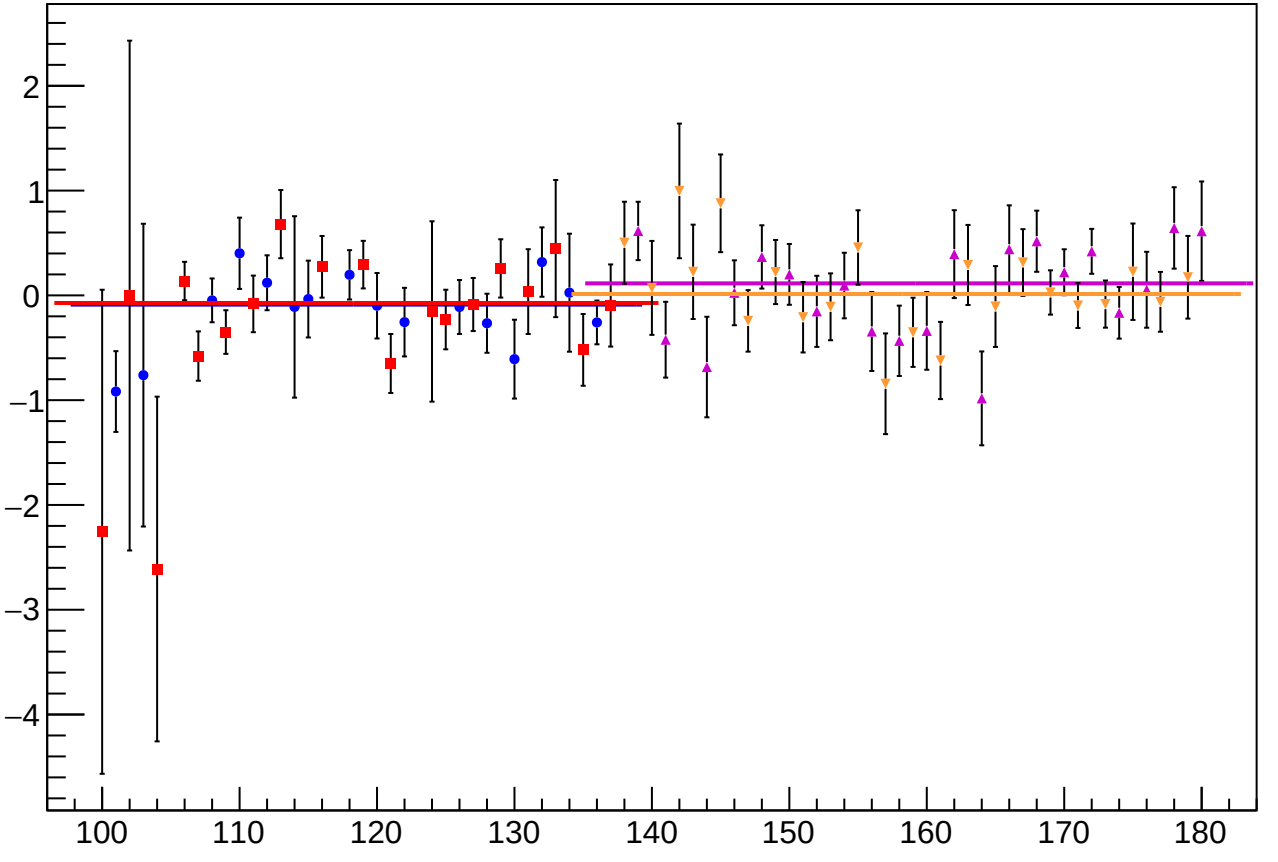
+ sign -0.000+/-0.000 χ^2/NDF: 46.0/37

All: 0.000+/-0.000 χ^2/NDF: 90.3/77

- 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:1923806.1/21
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: 3647327.0/37
All: 0.000+/-0.000 χ²/NDF: 7766060.8/77
- 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: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

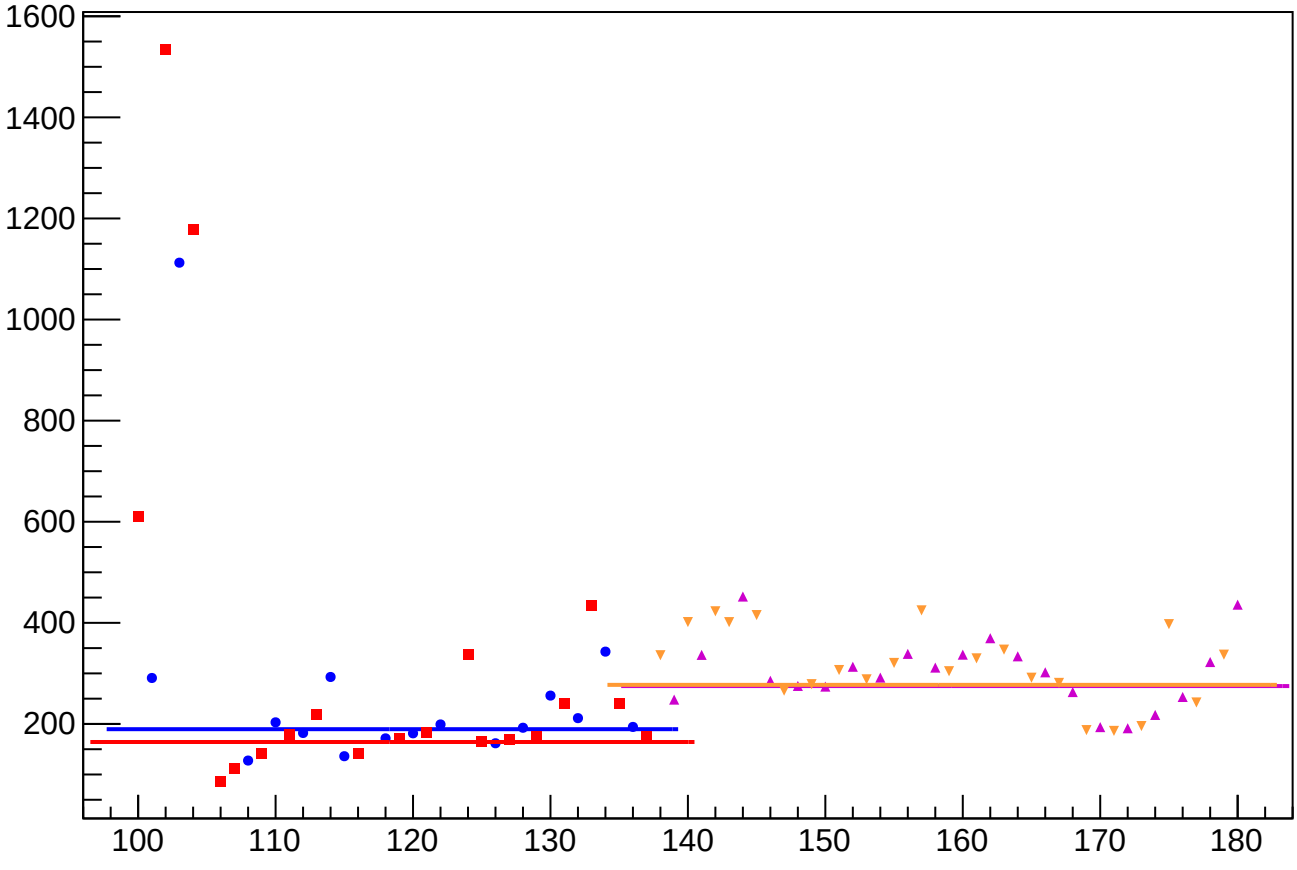
Left In: 0.115+/-0.070 χ^2/NDF:30.8/20

+ sign -0.033+/-0.052 χ^2/NDF: 35.6/37

All: -0.004+/-0.036 χ^2/NDF: 99.2/77

- 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: 277.315+/-0.050 χ^2/NDF:2184975.7/21

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

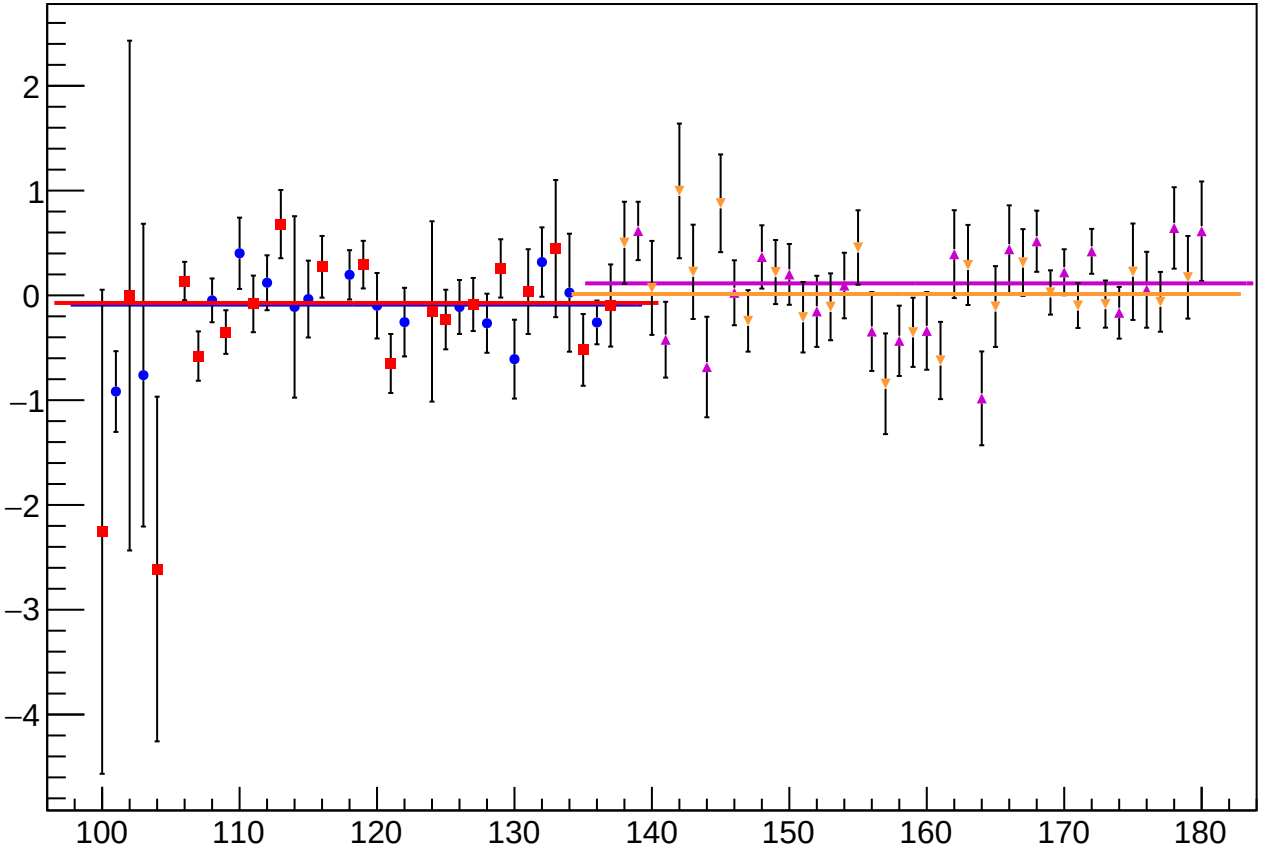
Left In: 274.926+/-0.049 χ^2/NDF:1619781.3/20

+ sign 237.499+/-0.037 χ^2/NDF: 5074954.5/37

All: 228.280+/-0.025 χ^2/NDF: 11969095.7/77

- 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: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

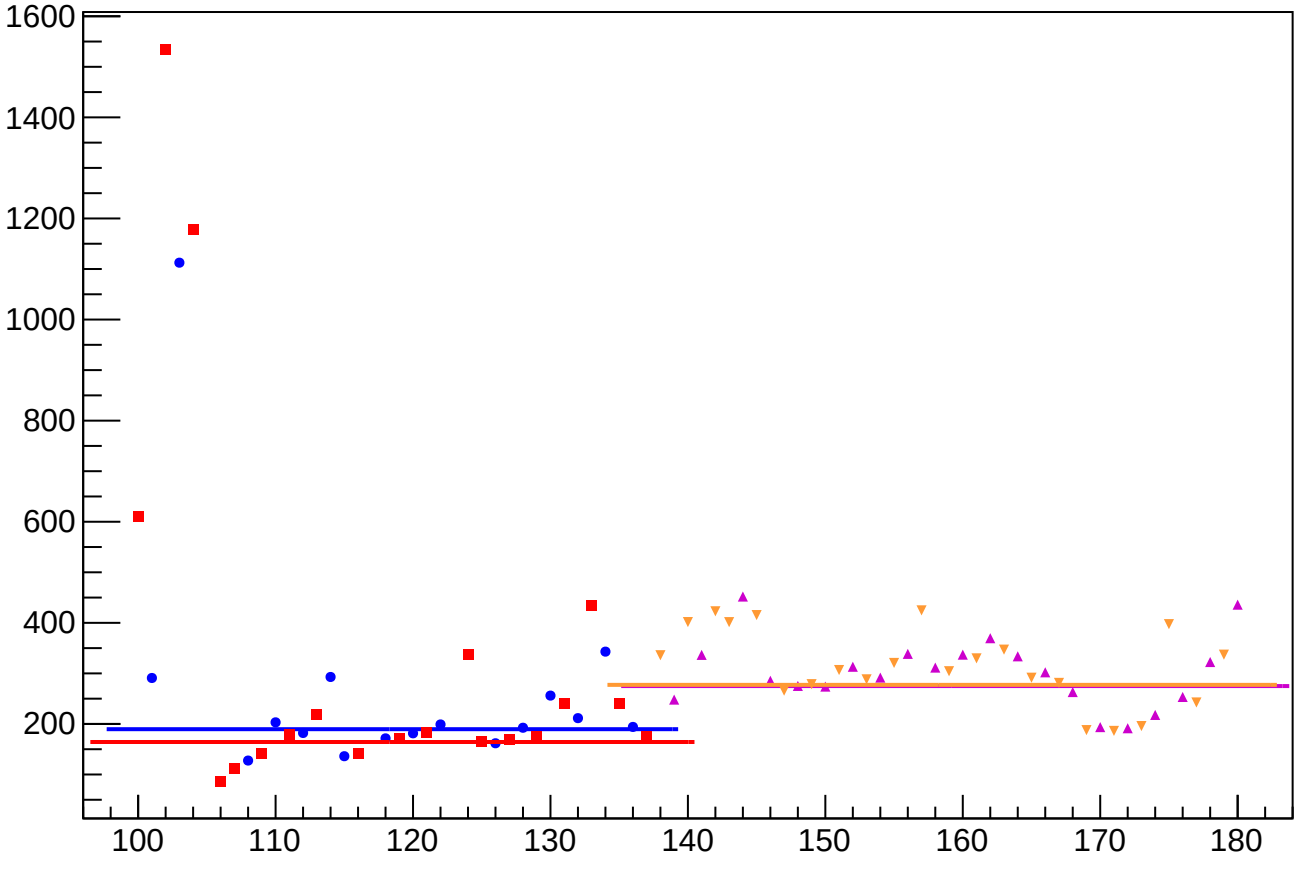
Left In: 0.115+/-0.070 χ^2/NDF:30.8/20

+ sign -0.033+/-0.052 χ^2/NDF: 35.6/37

All: -0.004+/-0.036 χ^2/NDF: 99.2/77

- 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: 277.315+/-0.050 χ^2/NDF:2184975.7/21

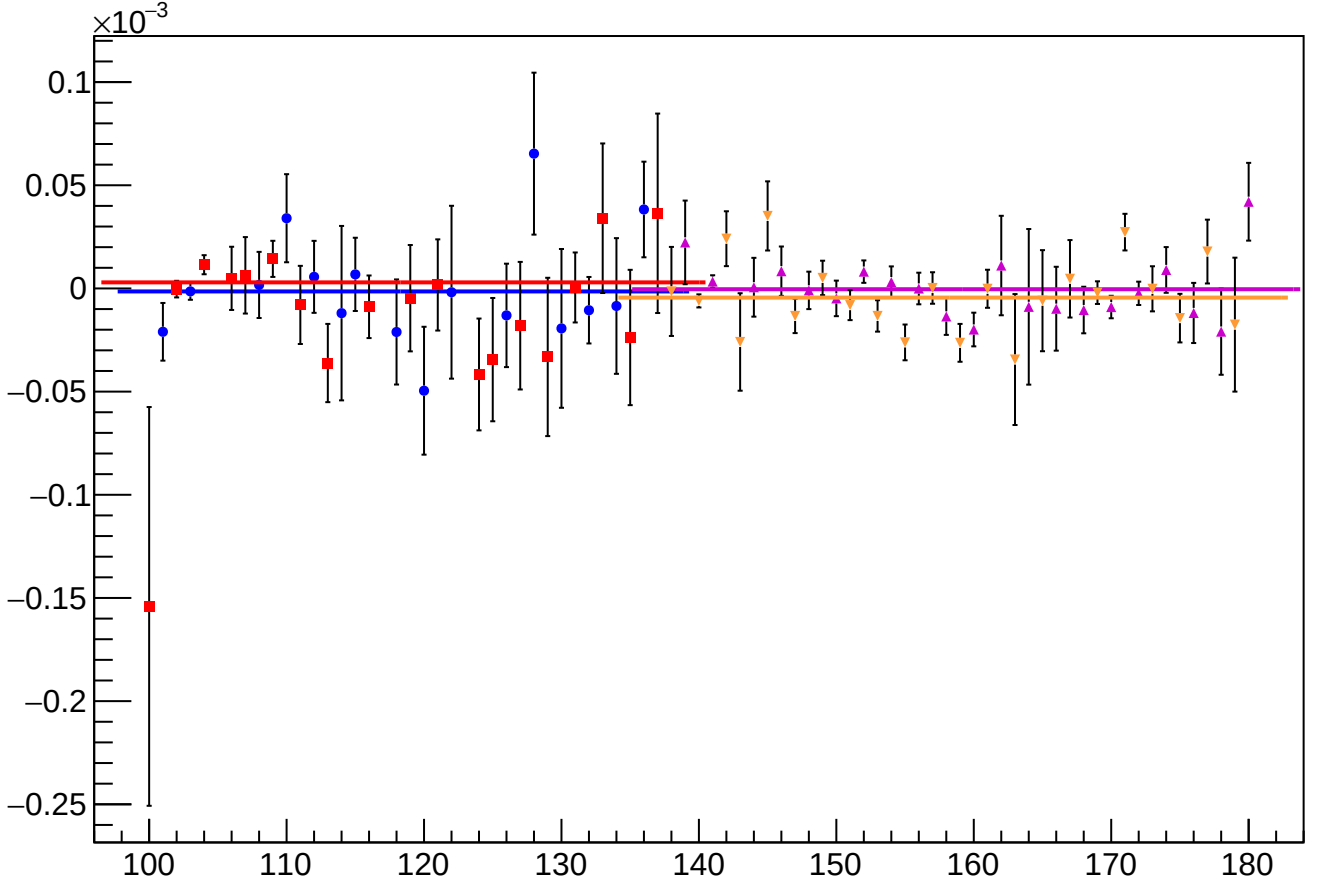
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 274.926+/-0.049 χ^2/NDF:1619781.3/20

+ sign 237.499+/-0.037 χ^2/NDF: 5074954.5/37

All: 228.280+/-0.025 χ^2/NDF: 11969095.7/77

- 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:45.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

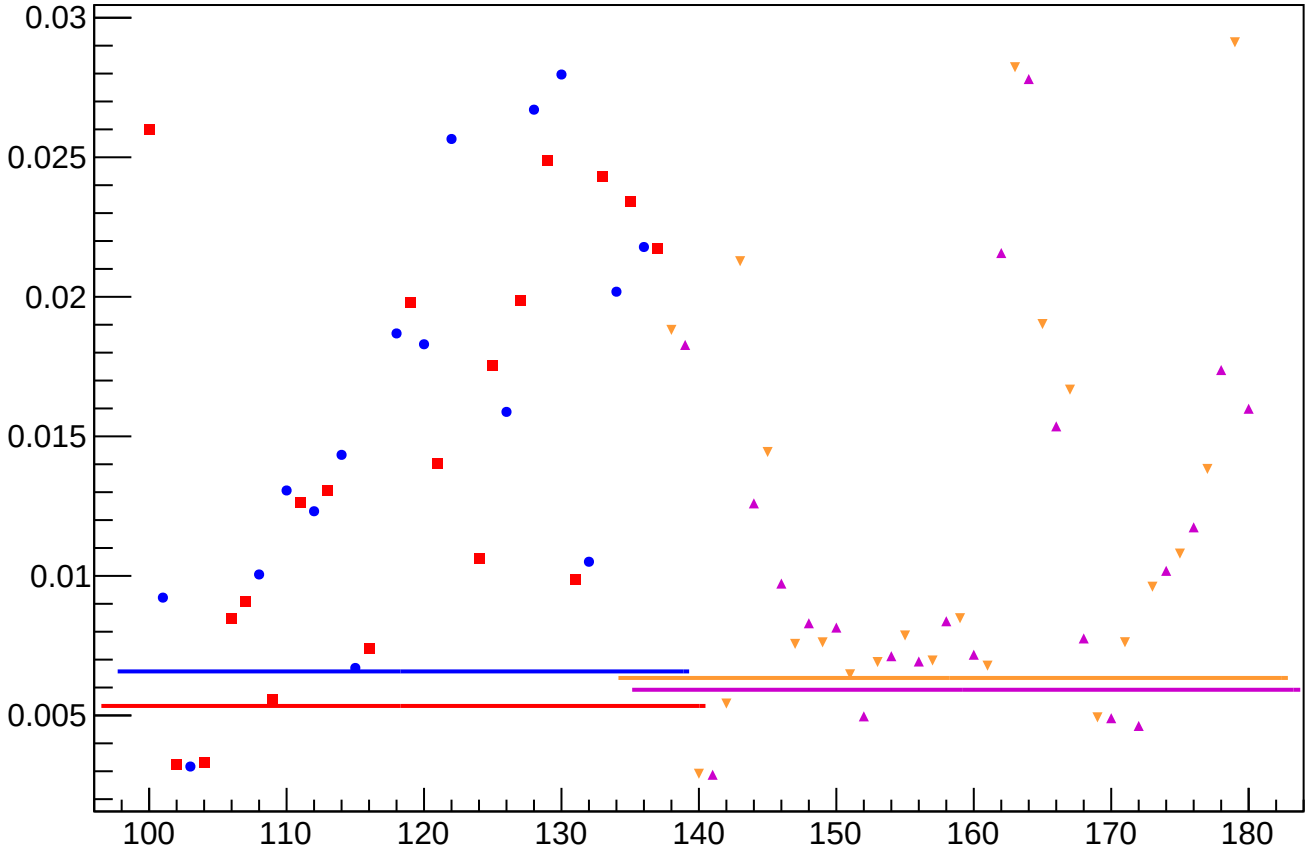
Left In: -0.000+/-0.000 χ^2/NDF:25.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 60.6/37

All: -0.000+/-0.000 χ^2/NDF: 112.7/77

- 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:8760932.2/21

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

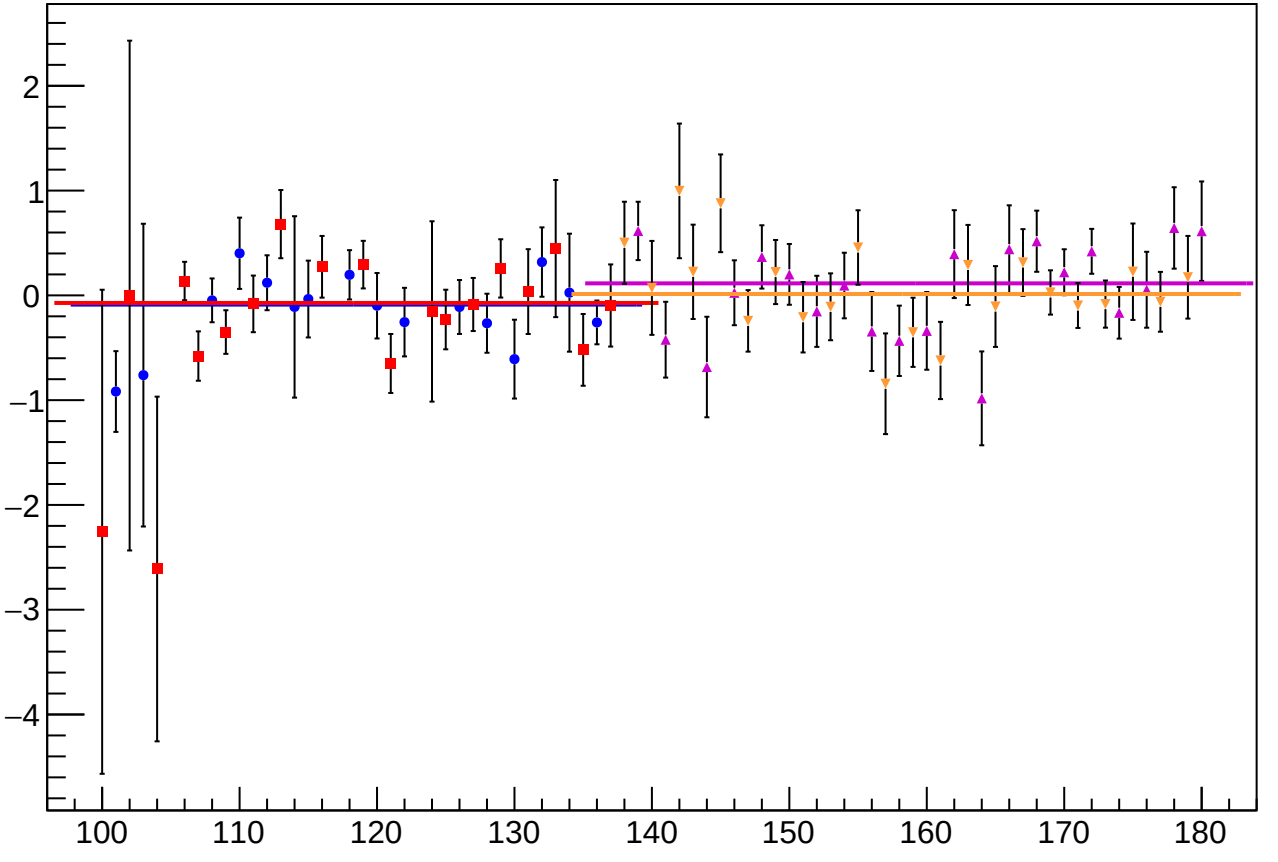
Left In: 0.006+/-0.000 χ^2/NDF:7945791.6/20

+ sign 0.006+/-0.000 χ^2/NDF: 14696622.2/37

All: 0.006+/-0.000 χ^2/NDF: 28587864.1/77

- 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: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

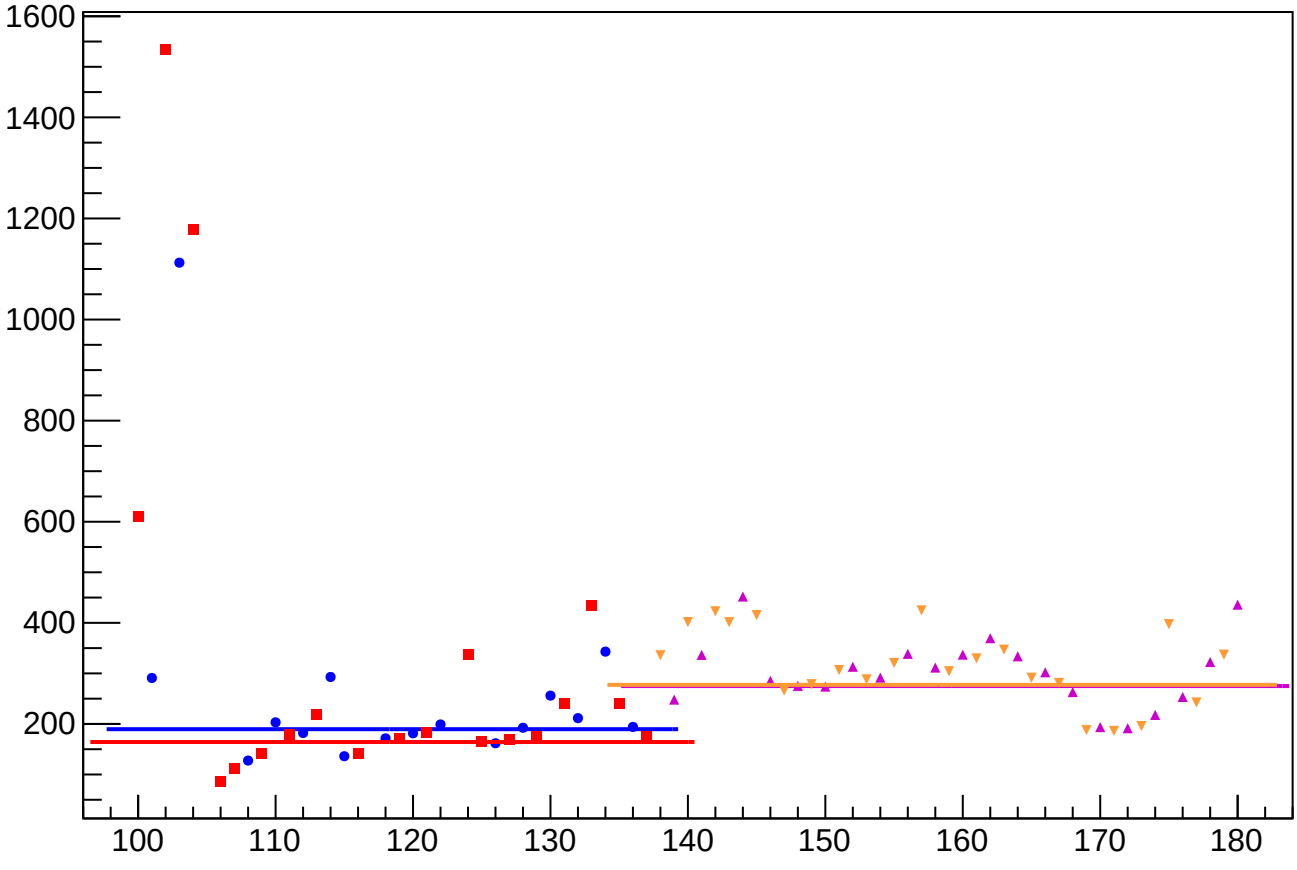
Left In: 0.115+/-0.070 χ^2/NDF:30.8/20

+ sign -0.033+/-0.052 χ^2/NDF: 35.6/37

All: -0.004+/-0.036 χ^2/NDF: 99.2/77

- 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: 277.317+/-0.050 χ^2/NDF:2185048.4/21

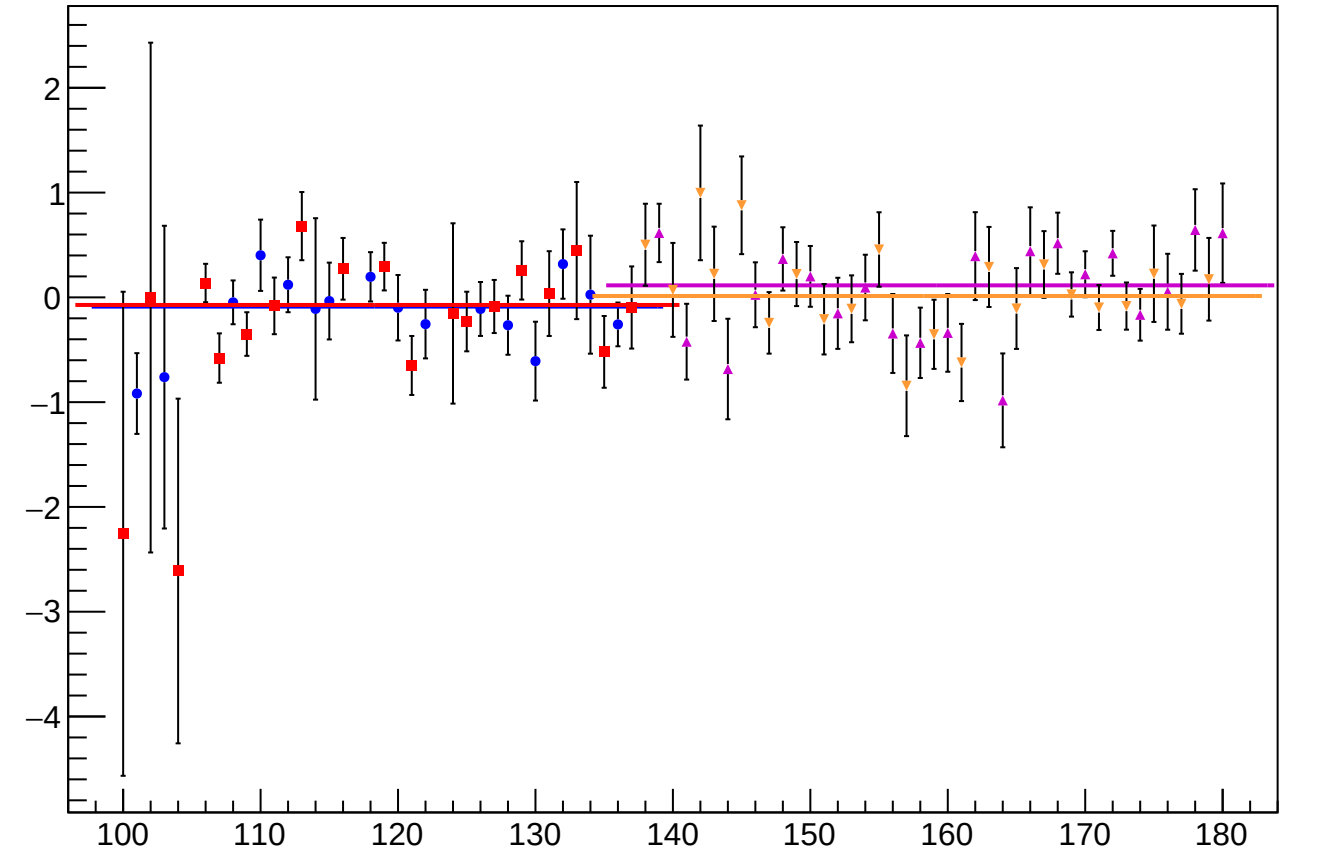
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 274.928+/-0.049 χ^2/NDF:1619830.2/20

+ sign 237.499+/-0.037 χ^2/NDF: 5075111.0/37

All: 228.281+/-0.025 χ^2/NDF: 11969419.4/77

- 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: 0.013+/-0.070 χ^2/NDF:20.7/21

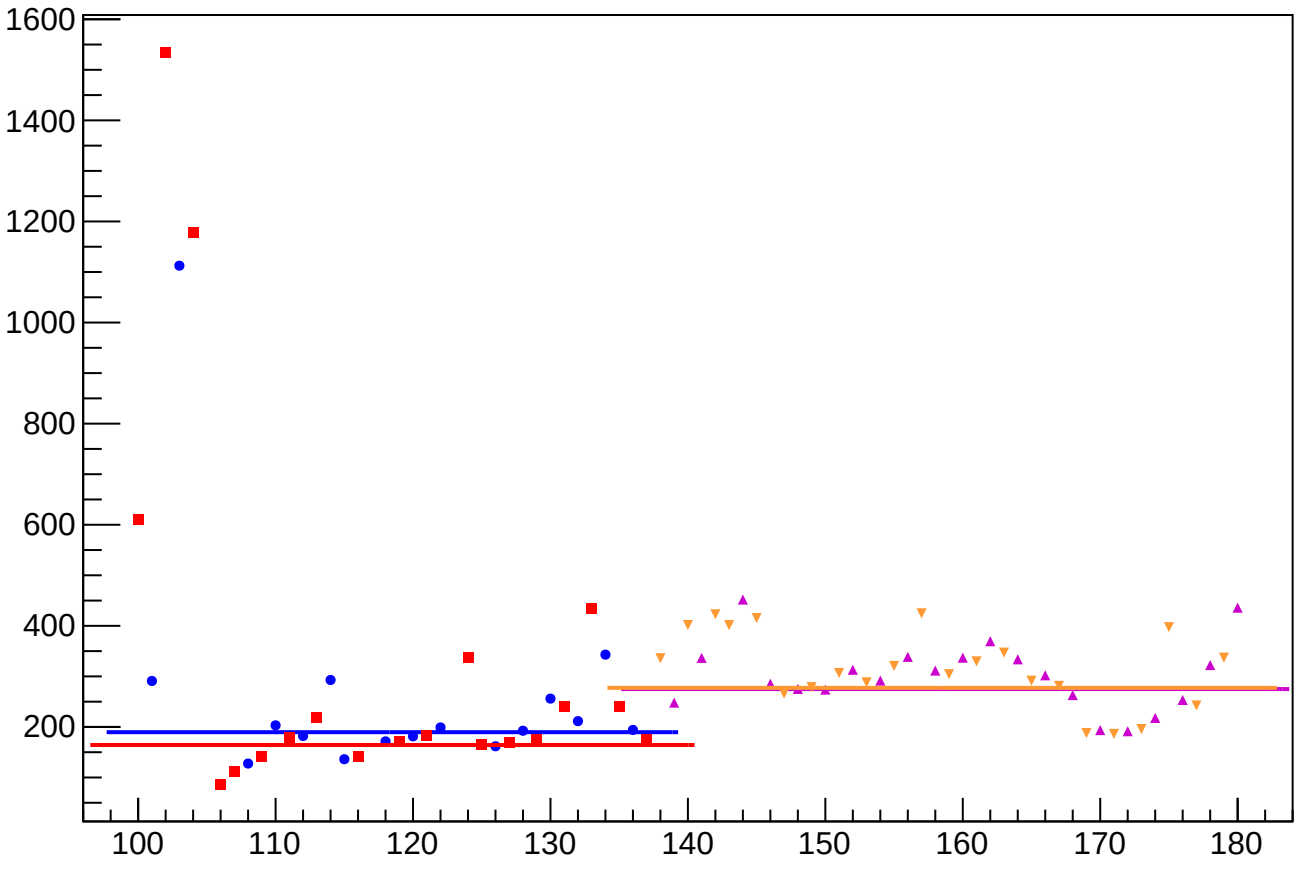
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.115+/-0.070 χ^2/NDF:30.8/20

+ sign -0.033+/-0.052 χ^2/NDF: 35.6/37

All: -0.004+/-0.036 χ^2/NDF: 99.2/77

- 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: 277.317+/-0.050 χ^2/NDF:2185048.4/21

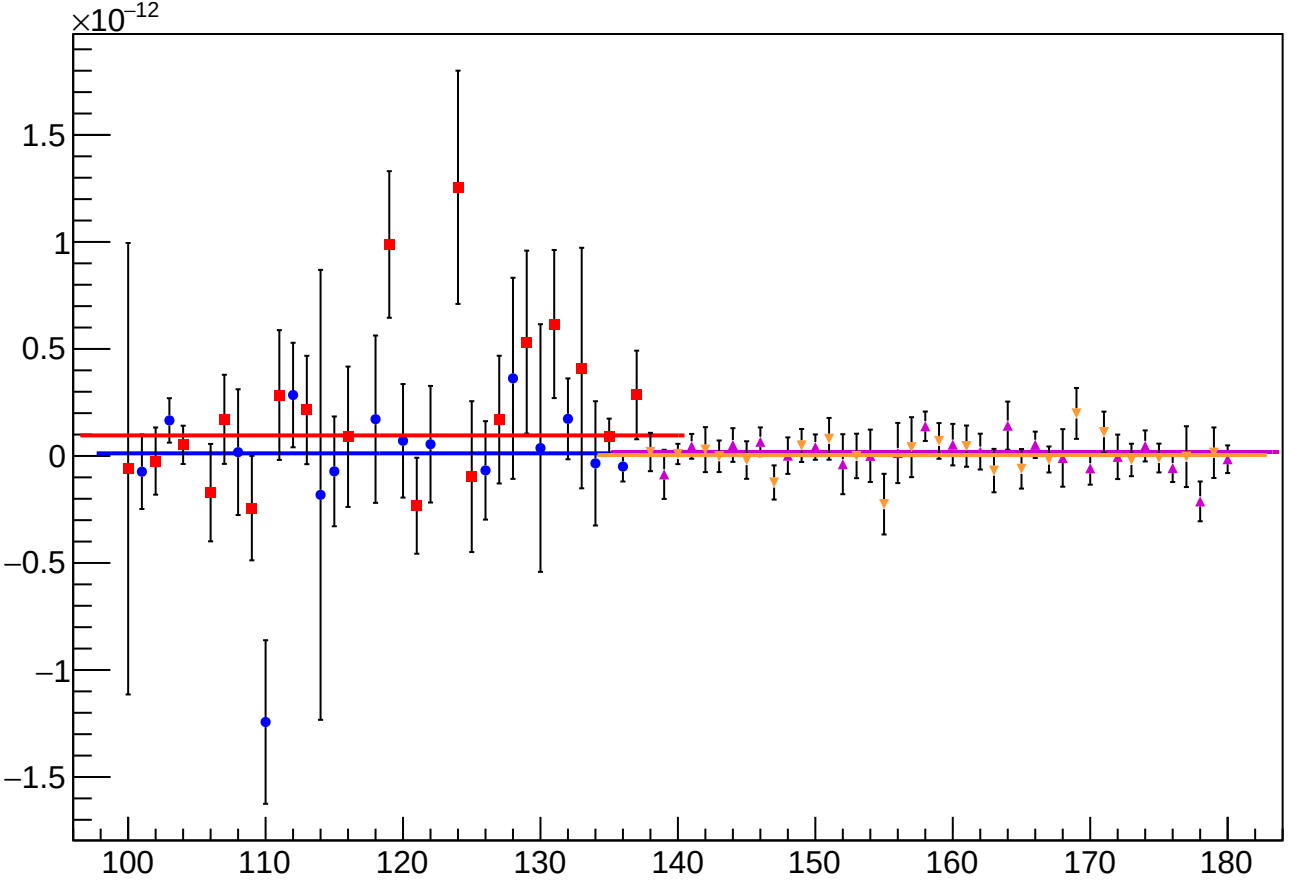
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 274.928+/-0.049 χ^2/NDF:1619830.2/20

+ sign 237.499+/-0.037 χ^2/NDF: 5075111.0/37

All: 228.281+/-0.025 χ^2/NDF: 11969419.4/77

- 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:12.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

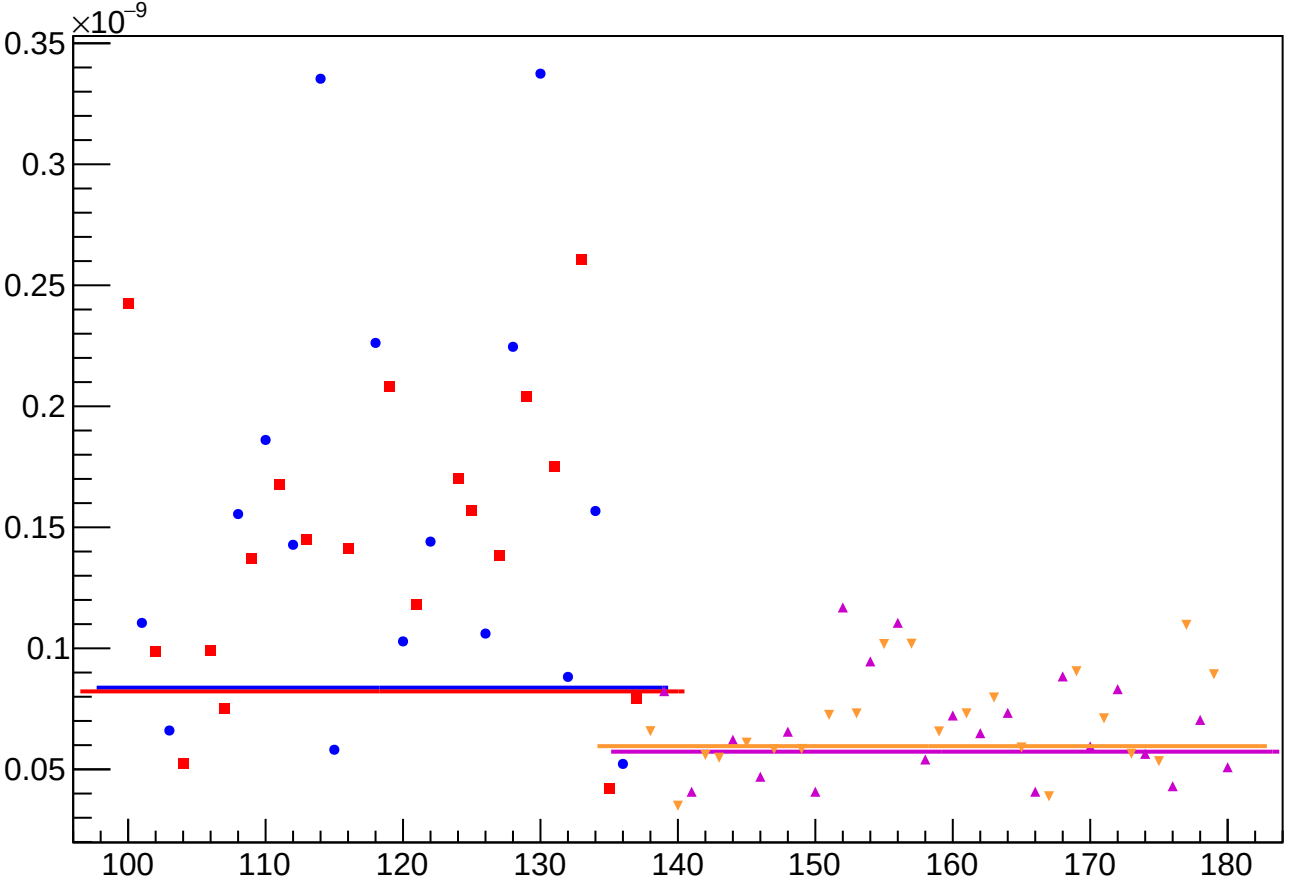
Left In: 0.000+/-0.000 χ^2/NDF:15.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/37

All: 0.000+/-0.000 χ^2/NDF: 72.0/77

- 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:1910903.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

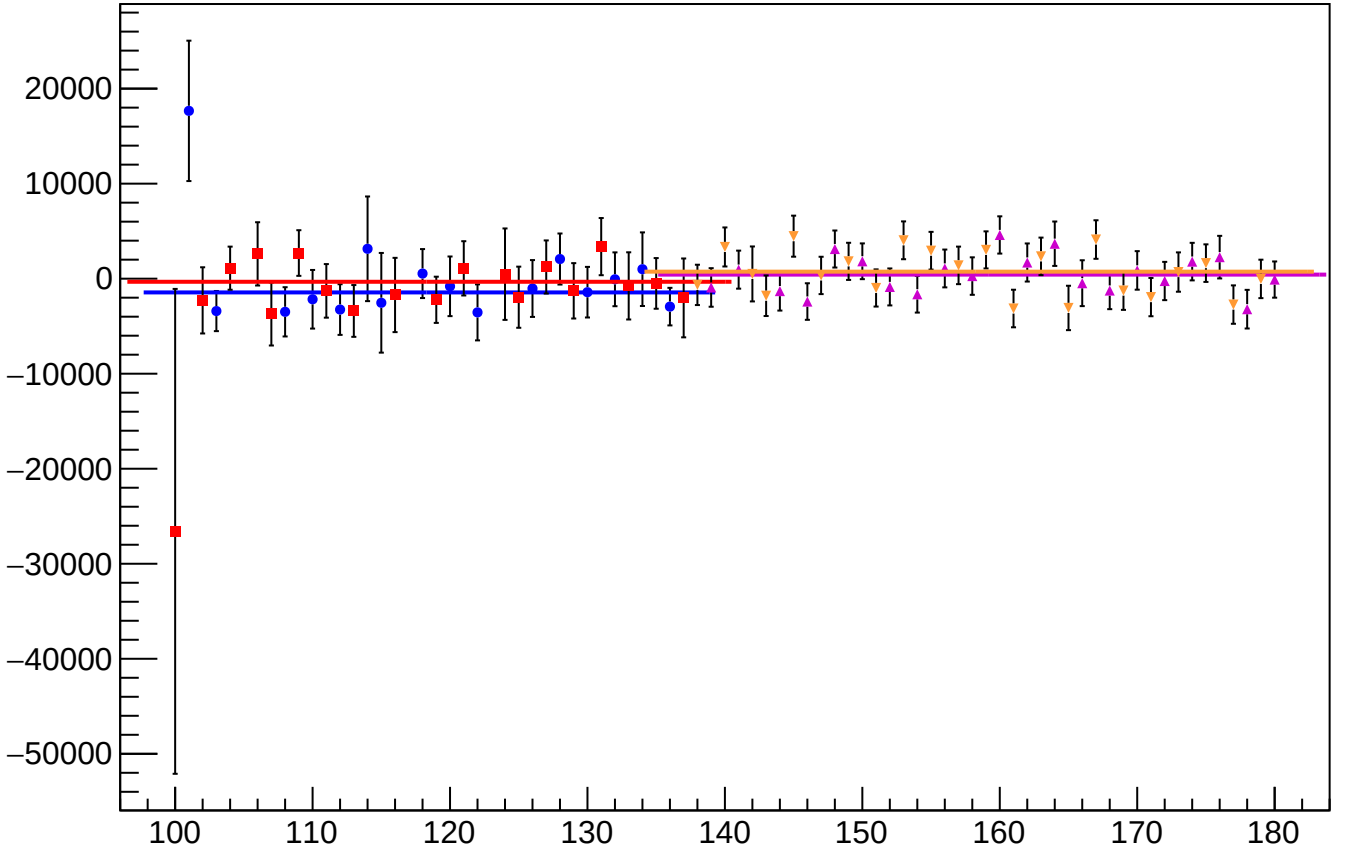
Left In: 0.000+/-0.000 χ^2/NDF:1964006.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 4505306.5/37

All: 0.000+/-0.000 χ^2/NDF: 9297254.0/77

- 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: 738.815+/-437.425 χ^2/NDF:29.0/21

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

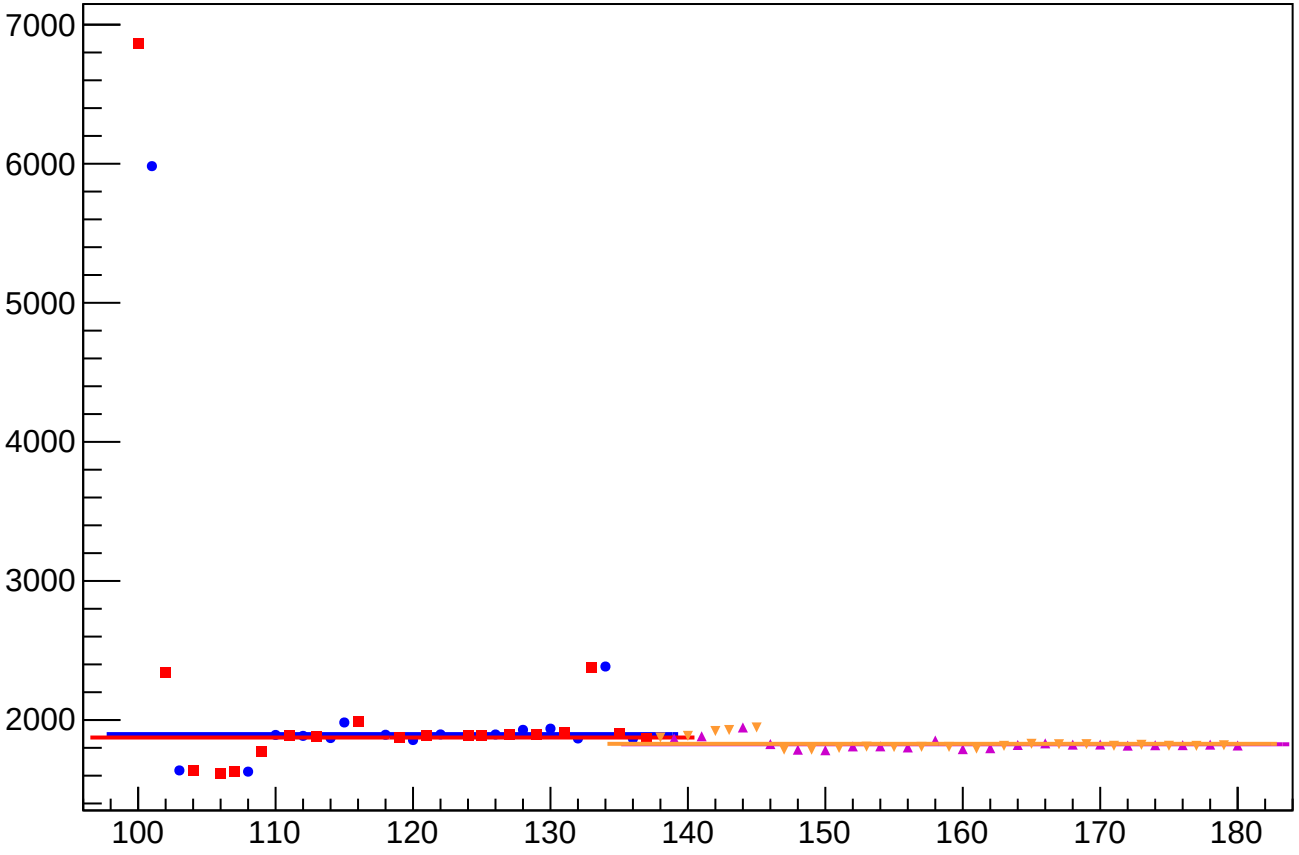
Left In: 427.289+/-439.580 χ^2/NDF:19.9/20

+ sign 153.396+/-374.278 χ^2/NDF: 49.2/37

All: 184.543+/-264.081 χ^2/NDF: 79.9/77

- 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: 1828.898+/-0.309 χ^2/NDF:19166.2/21

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

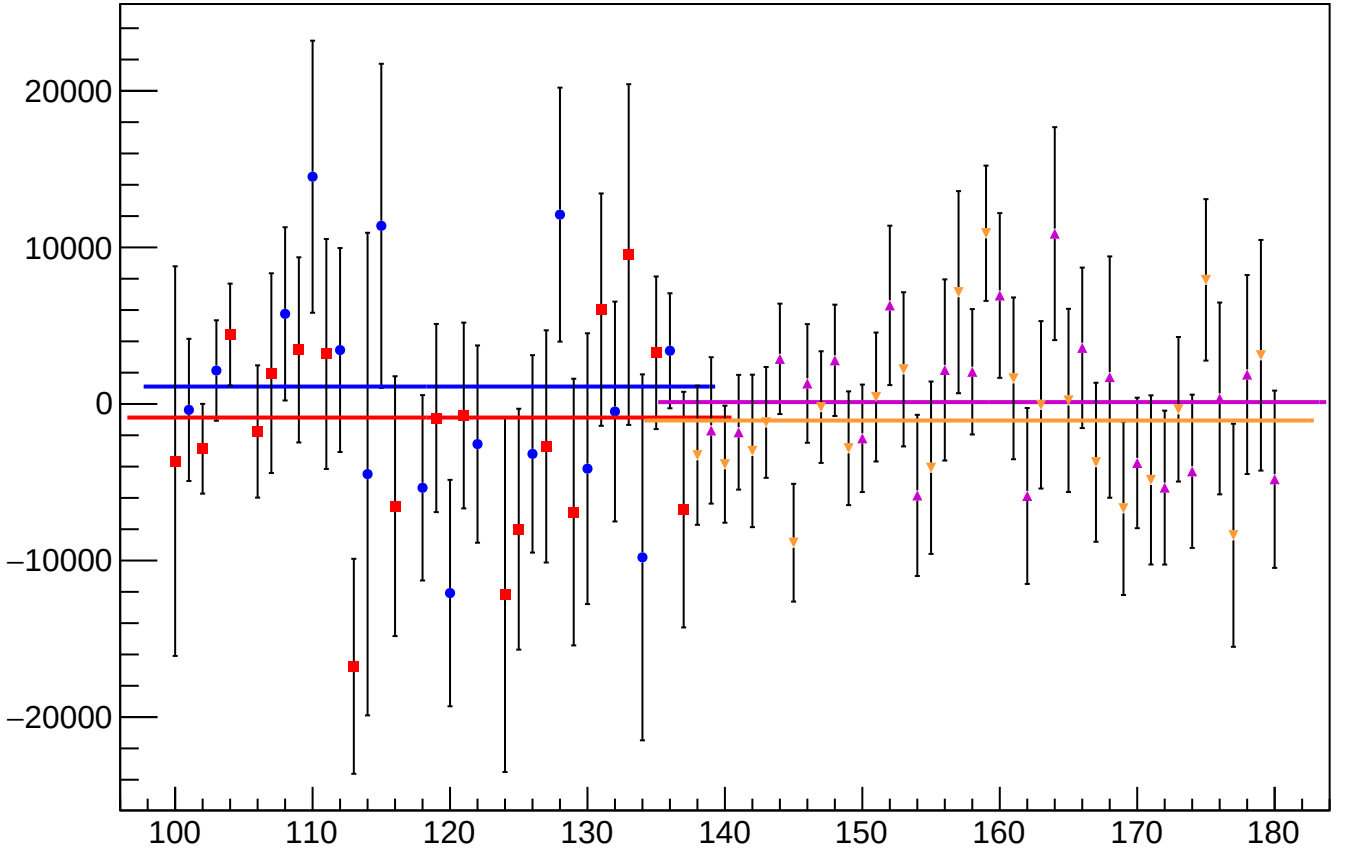
Left In: 1825.653+/-0.311 χ^2/NDF:13318.8/20

+ sign 1847.631+/-0.265 χ^2/NDF: 730372.4/37

All: 1843.488+/-0.187 χ^2/NDF: 958745.9/77

- sign 1839.390+/-0.263 χ^2/NDF: 227886.1/39

asym_atr_dd_reg_correction_mean vs Slug



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -1055.554+/-995.033 χ^2/NDF:22.3/21

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

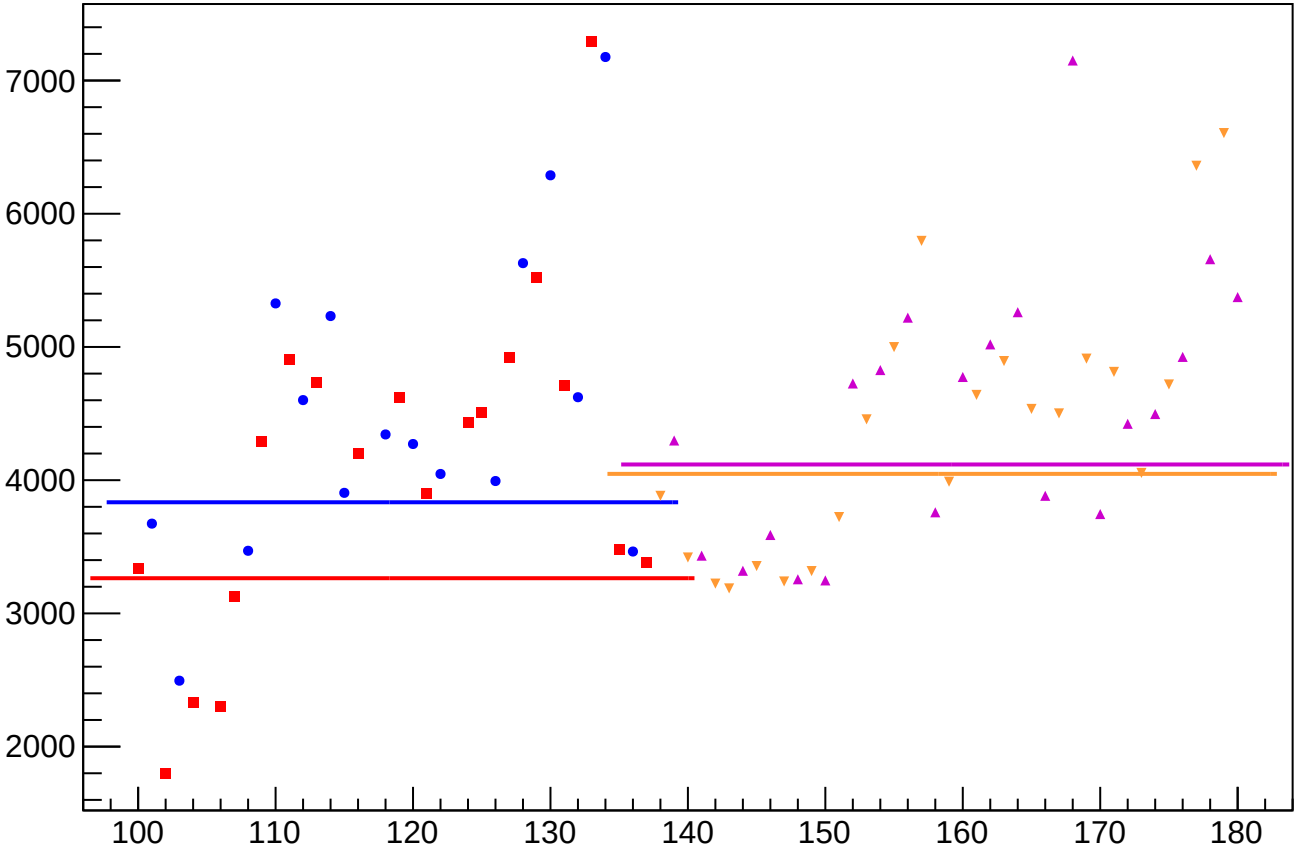
Left In: 118.405+/-1015.151 χ^2/NDF:14.9/20

+ sign -380.111+/-825.629 χ^2/NDF: 37.2/37

All: -314.327+/-575.191 χ^2/NDF: 68.1/77

- sign -252.289+/-801.781 χ^2/NDF: 30.9/39

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 4047.278+/-0.704 χ^2/NDF:1399650.4/21

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

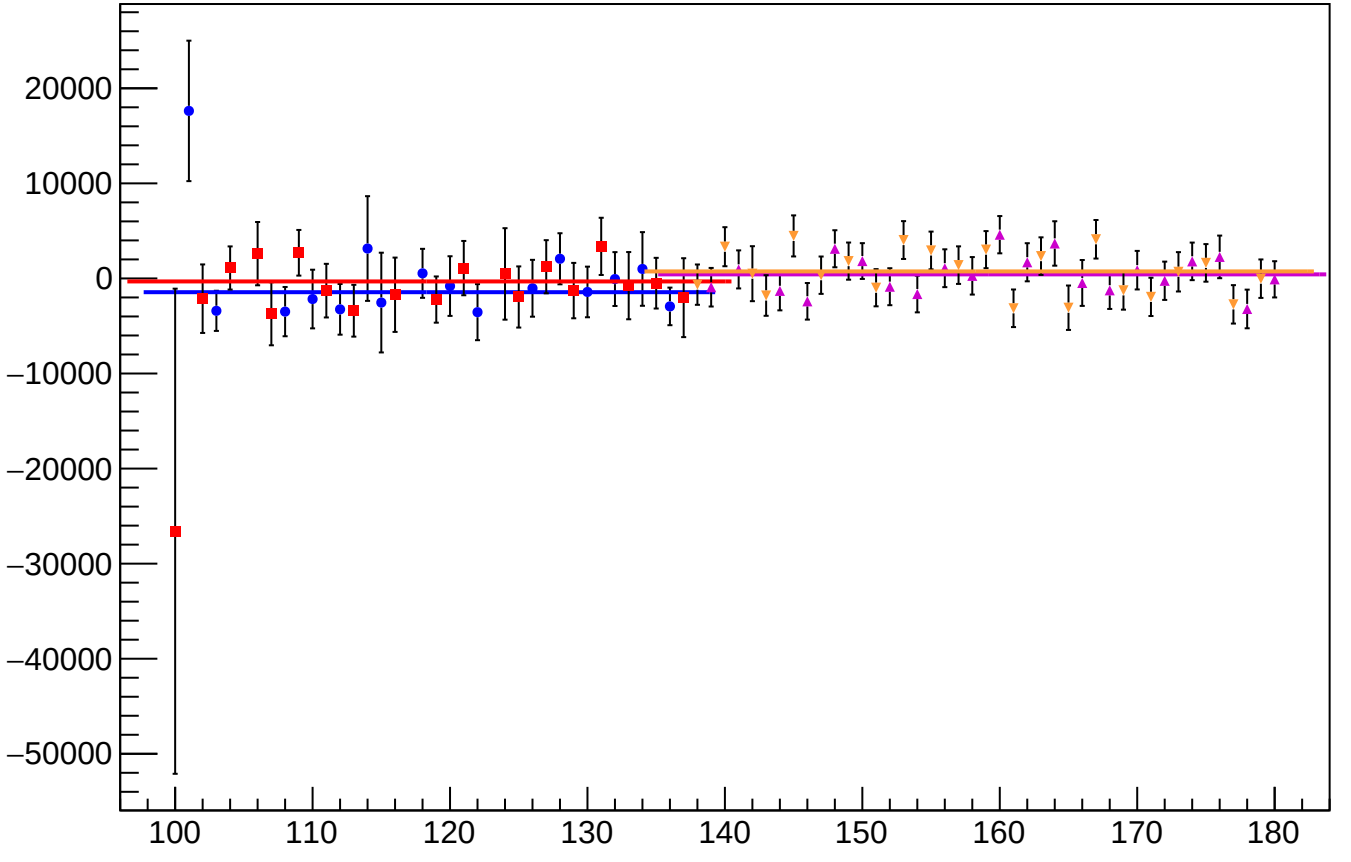
Left In: 4117.874+/-0.718 χ^2/NDF:1354765.5/20

+ sign 3980.890+/-0.584 χ^2/NDF: 2385005.7/37

All: 3886.093+/-0.407 χ^2/NDF: 6187420.1/77

- sign 3796.693+/-0.567 χ^2/NDF: 3751182.8/39

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 738.876+/-437.426 χ^2/NDF:29.0/21

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

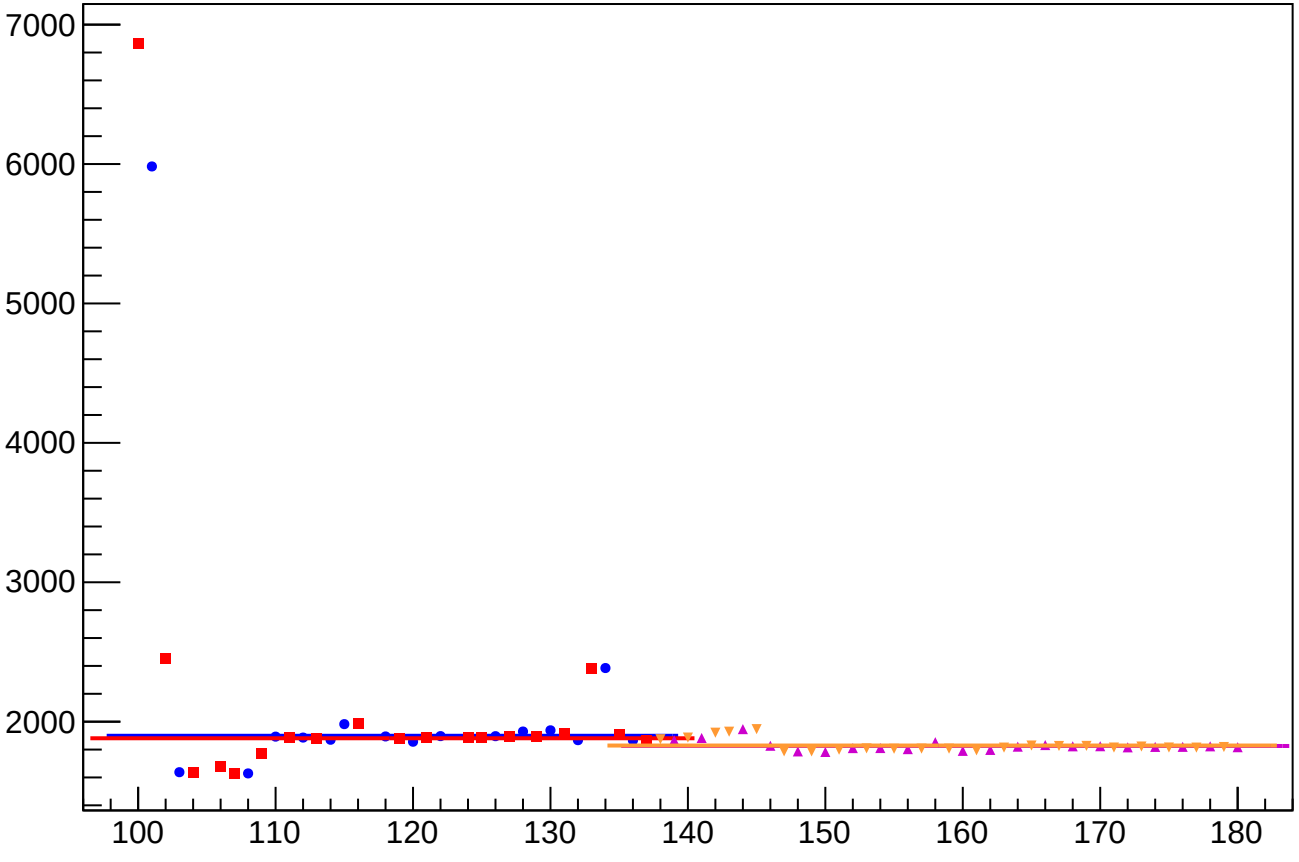
Left In: 427.165+/-439.580 χ^2/NDF:19.9/20

+ sign 153.336+/-374.278 χ^2/NDF: 49.2/37

All: 186.135+/-264.132 χ^2/NDF: 79.8/77

- 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: 1828.898+/-0.309 χ^2/NDF:19166.2/21

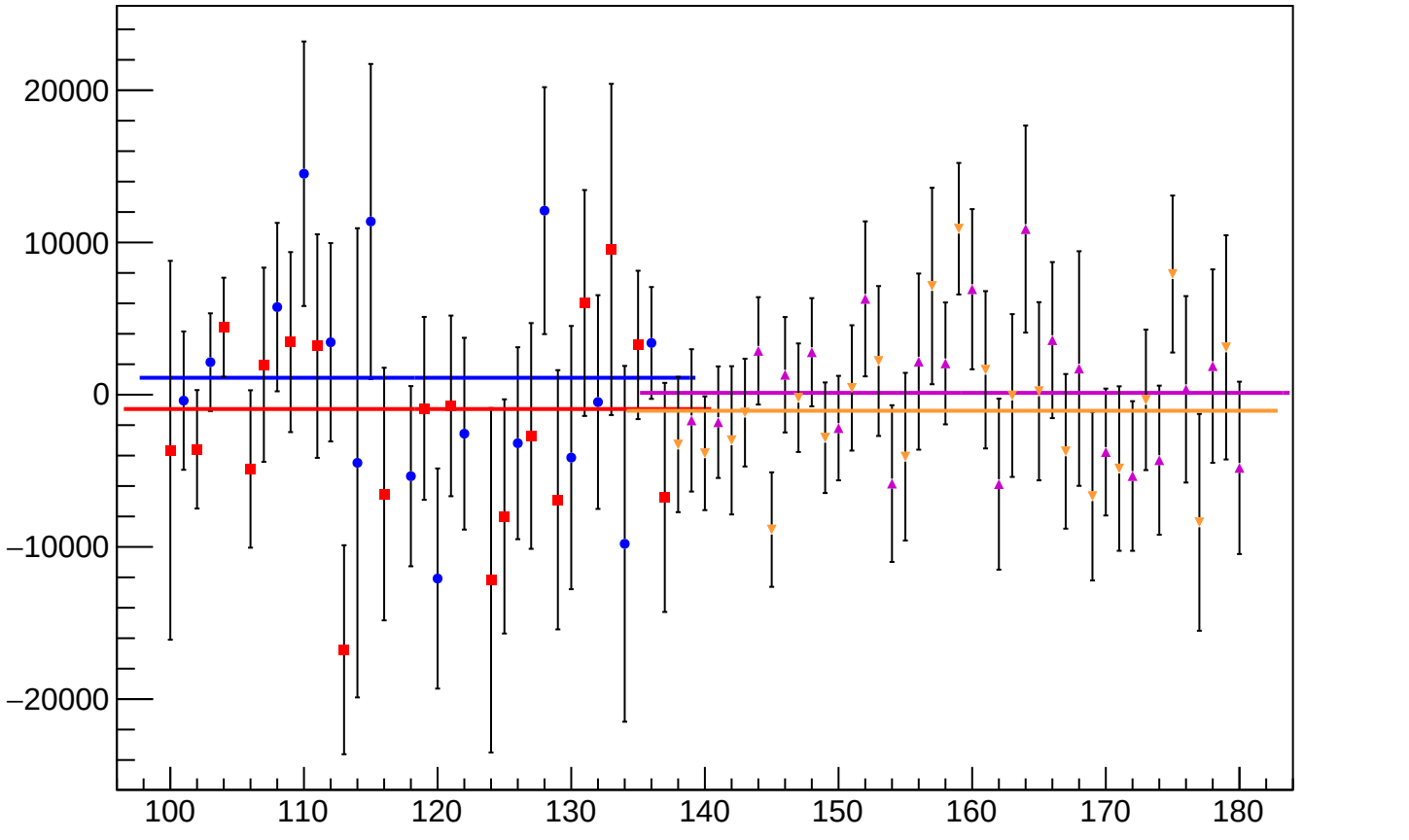
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.653+/-0.311 χ^2/NDF:13318.8/20

+ sign 1847.630+/-0.265 χ^2/NDF: 730372.5/37

All: 1844.415+/-0.187 χ^2/NDF: 969472.8/77

- 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: -1055.555+/-995.032 χ^2/NDF:22.3/21

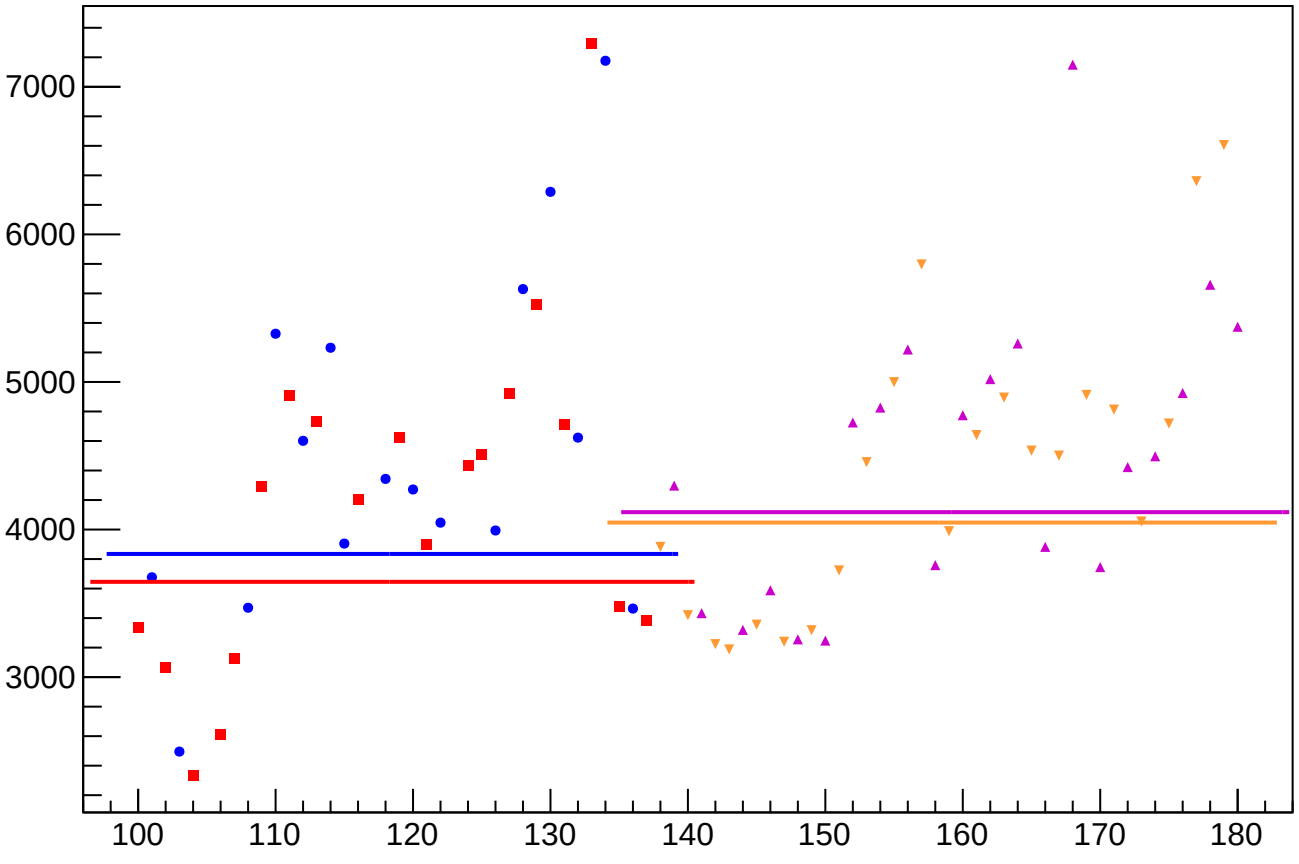
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 118.404+/-1015.150 χ^2/NDF:14.9/20

+ sign -380.586+/-825.658 χ^2/NDF: 37.2/37

All: -313.420+/-582.399 χ^2/NDF: 68.6/77

- 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: 4047.274+/-0.704 χ^2/NDF:1399643.7/21

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

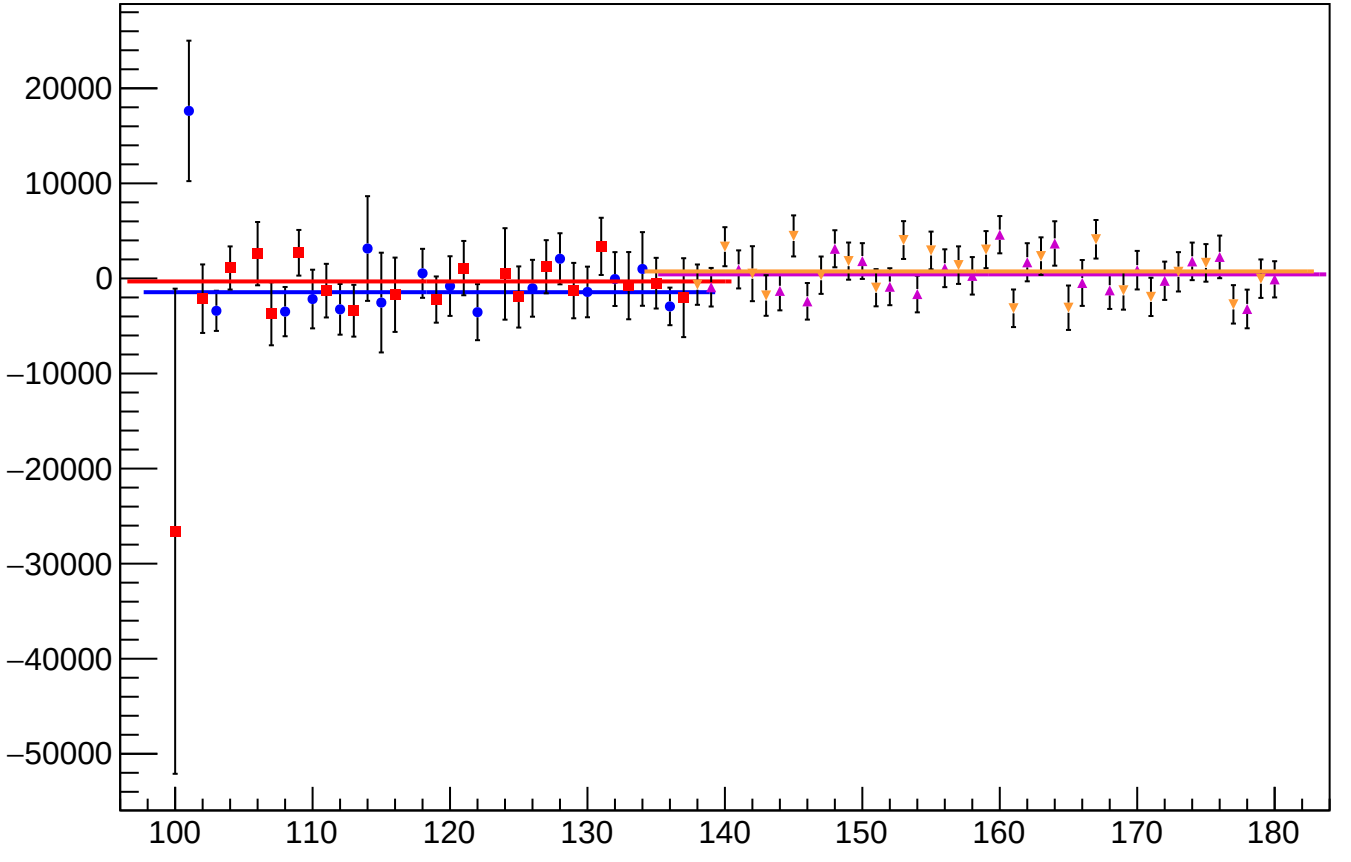
Left In: 4117.866+/-0.718 χ^2/NDF:1354774.4/20

+ sign 3981.062+/-0.584 χ^2/NDF: 2384389.1/37

All: 3967.968+/-0.412 χ^2/NDF: 5014391.4/77

- 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: 738.876+/-437.426 χ^2/NDF:29.0/21

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

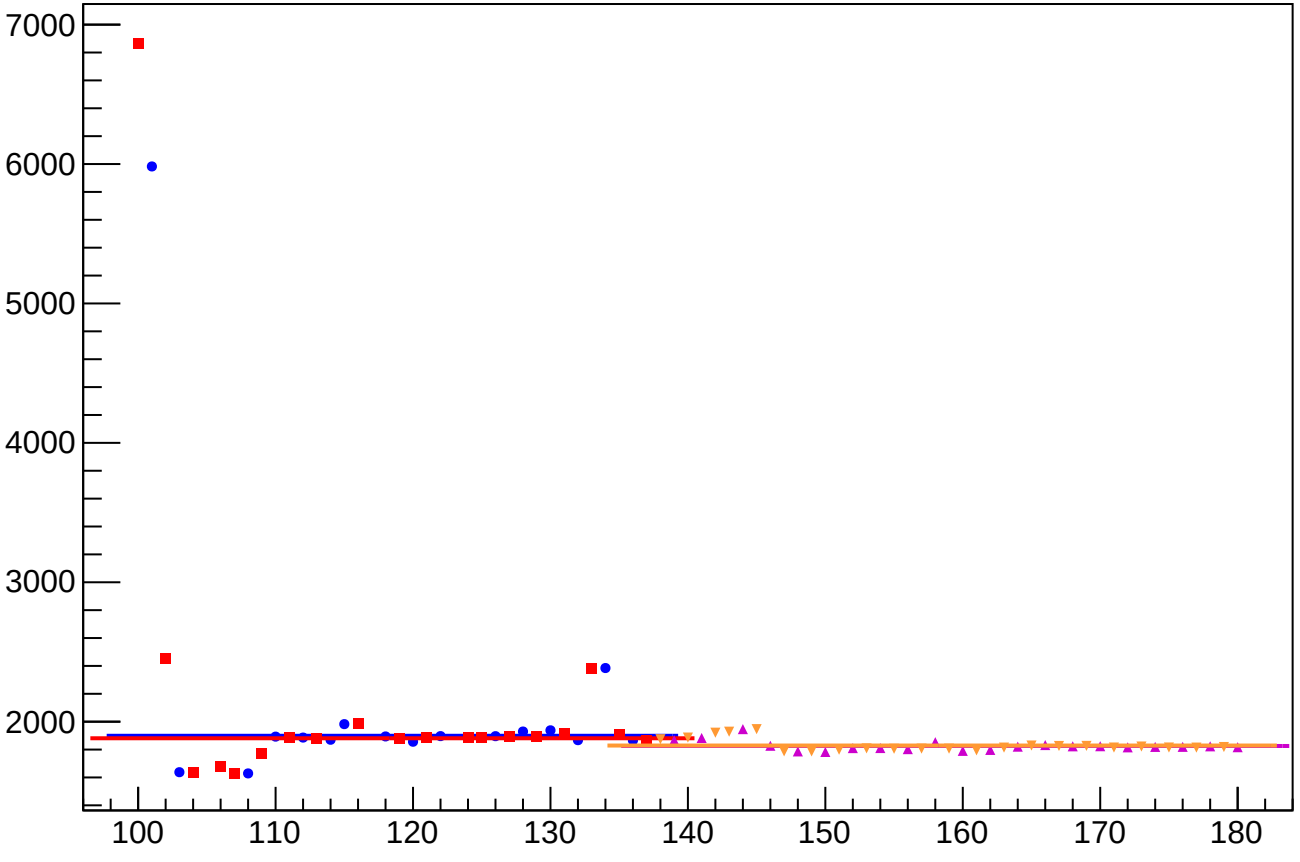
Left In: 427.165+/-439.580 χ^2/NDF:19.9/20

+ sign 153.336+/-374.278 χ^2/NDF: 49.2/37

All: 186.135+/-264.132 χ^2/NDF: 79.8/77

- 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: 1828.898+/-0.309 χ^2/NDF:19166.2/21

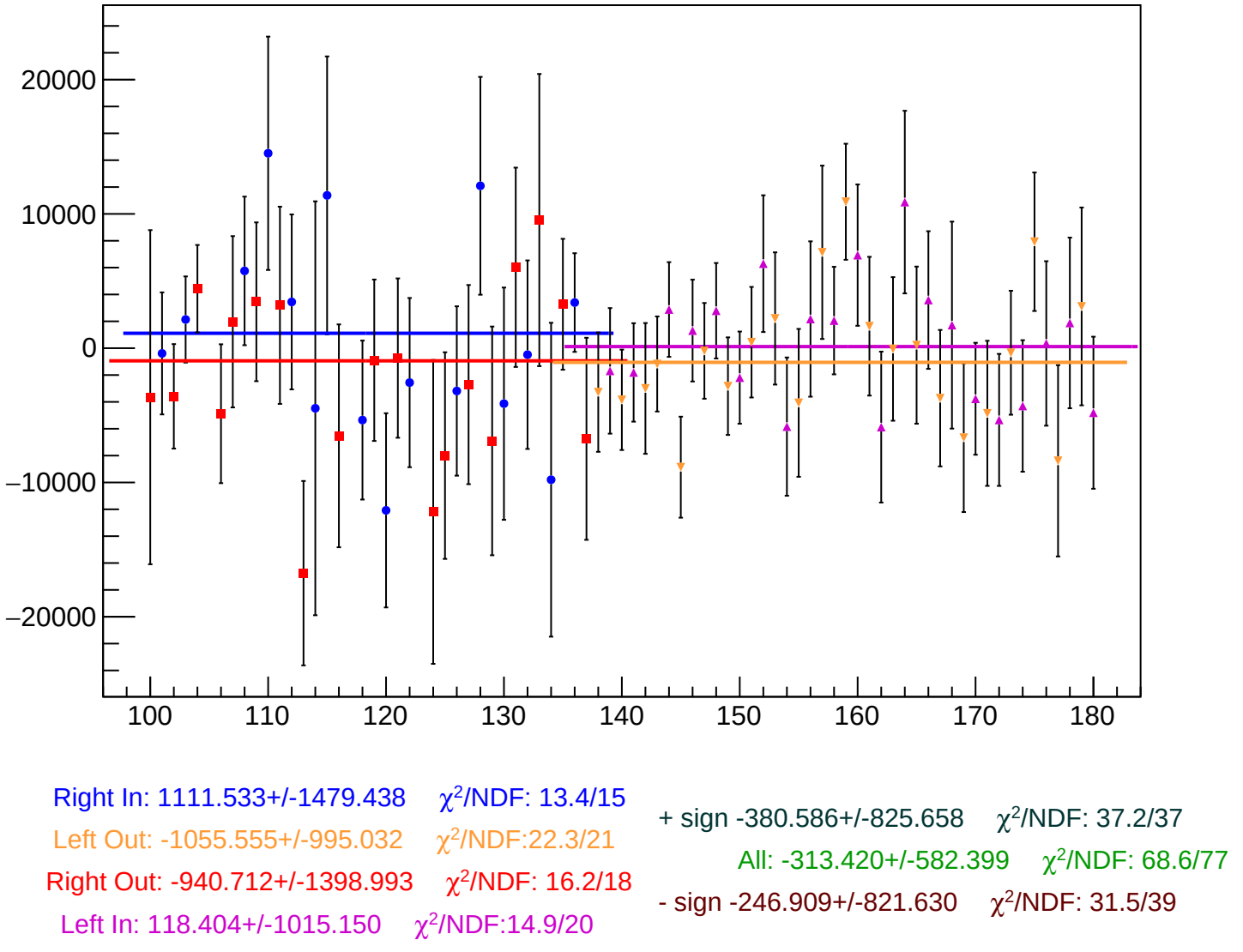
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

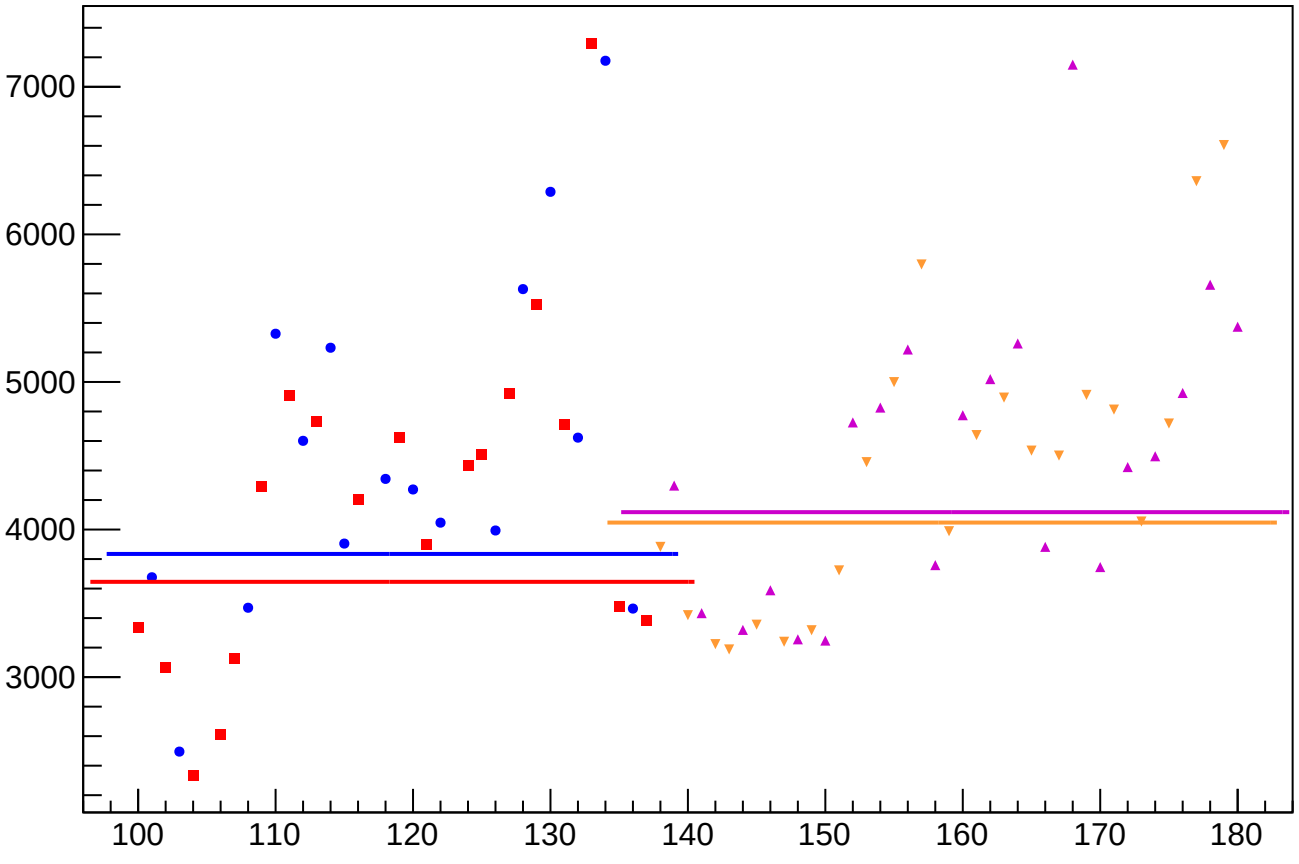
Left In: 1825.653+/-0.311 χ^2/NDF:13318.8/20

+ sign 1847.630+/-0.265 χ^2/NDF: 730372.5/37

All: 1844.415+/-0.187 χ^2/NDF: 969472.8/77

- sign 1841.228+/-0.263 χ^2/NDF: 238806.4/39


asym_atr_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -1055.555+/-995.032 χ²/NDF:22.3/21
Right Out: -940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: 118.404+/-1015.150 χ²/NDF:14.9/20
+ sign -380.586+/-825.658 χ²/NDF: 37.2/37
All: -313.420+/-582.399 χ²/NDF: 68.6/77
- sign -246.909+/-821.630 χ²/NDF: 31.5/39



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4047.274+/-0.704 χ^2/NDF:1399643.7/21

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

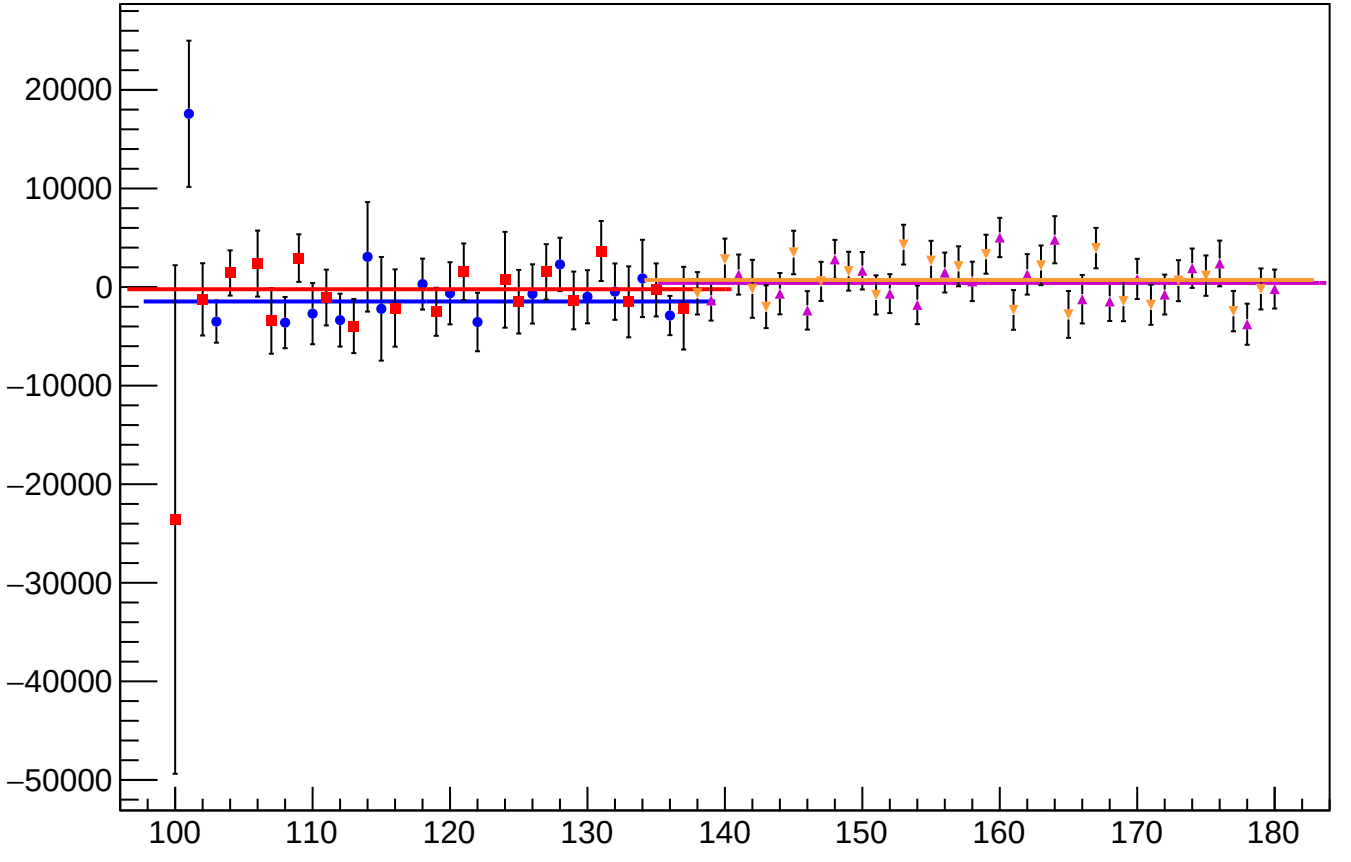
Left In: 4117.866+/-0.718 χ^2/NDF:1354774.4/20

+ sign 3981.062+/-0.584 χ^2/NDF: 2384389.1/37

All: 3967.968+/-0.412 χ^2/NDF: 5014391.4/77

- 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: 719.944+/-444.541 χ^2/NDF:24.5/21

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

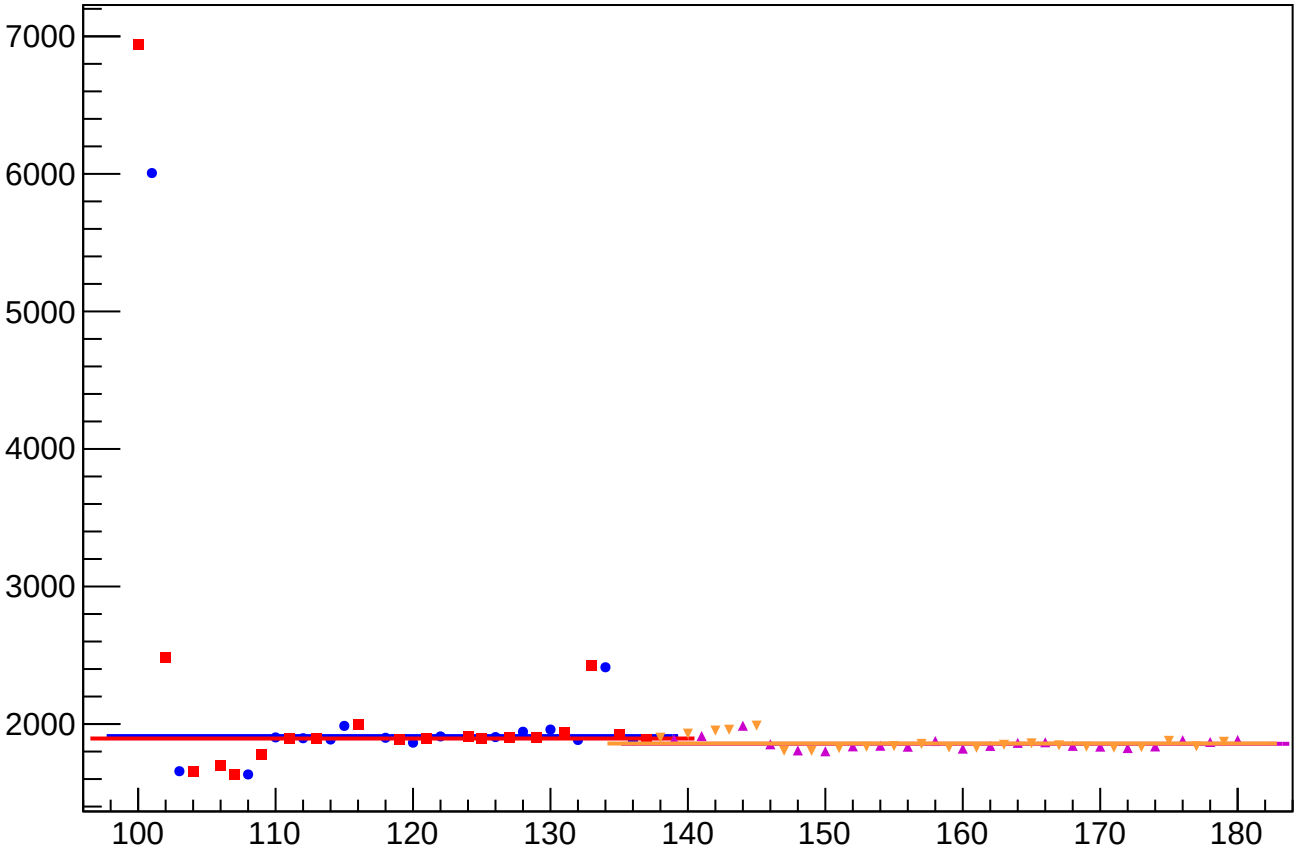
Left In: 421.009+/-446.998 χ^2/NDF:23.0/20

\+ sign 127.479+/-379.438 χ^2/NDF: 44.6/37

All: 183.292+/-267.829 χ^2/NDF: 79.0/77

\- 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: 1858.444+/-0.314 χ^2/NDF:22731.9/21

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

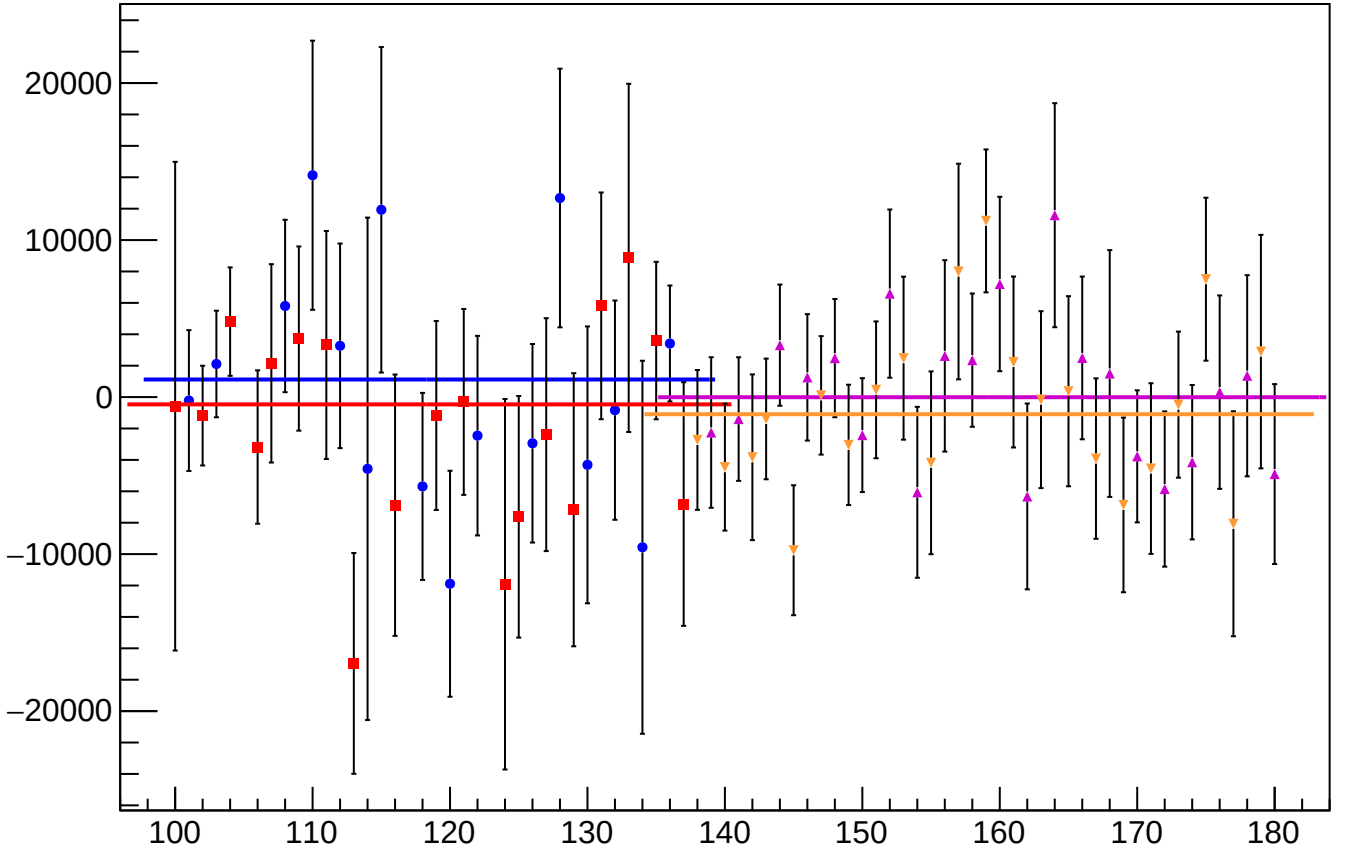
Left In: 1856.265+/-0.316 χ^2/NDF:15901.1/20

+ sign 1873.084+/-0.268 χ^2/NDF: 726943.8/37

All: 1870.149+/-0.189 χ^2/NDF: 967092.5/77

- sign 1867.236+/-0.267 χ^2/NDF: 239910.2/39

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1089.427+/-1043.290 χ^2/NDF:22.0/21

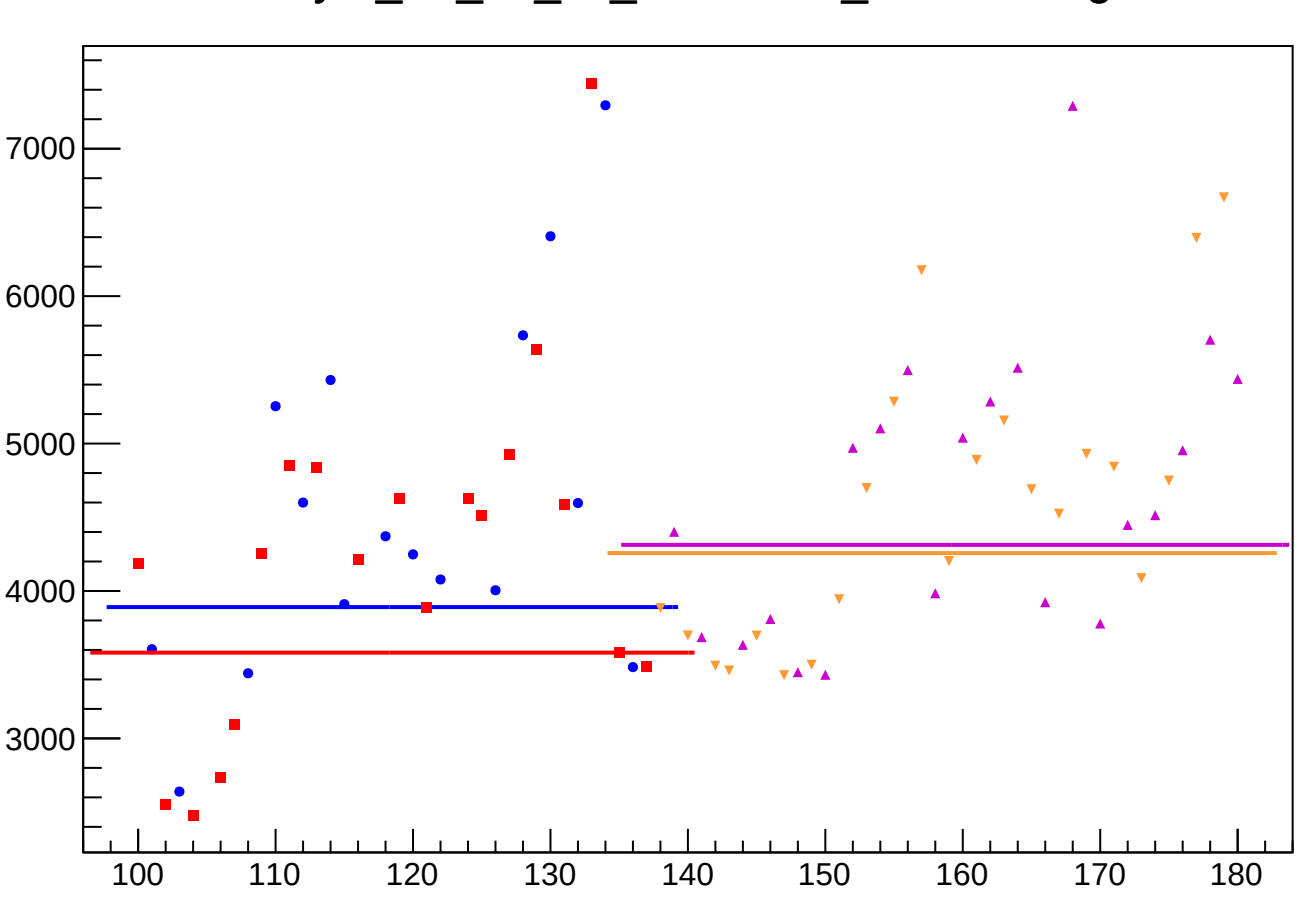
Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -7.289+/-1060.850 χ^2/NDF:14.7/20

\+ sign -367.509+/-856.058 χ^2/NDF: 37.0/37

All: -271.097+/-599.190 χ^2/NDF: 66.8/77

\- 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: 4257.286+/-0.738 χ^2/NDF:1190127.4/21

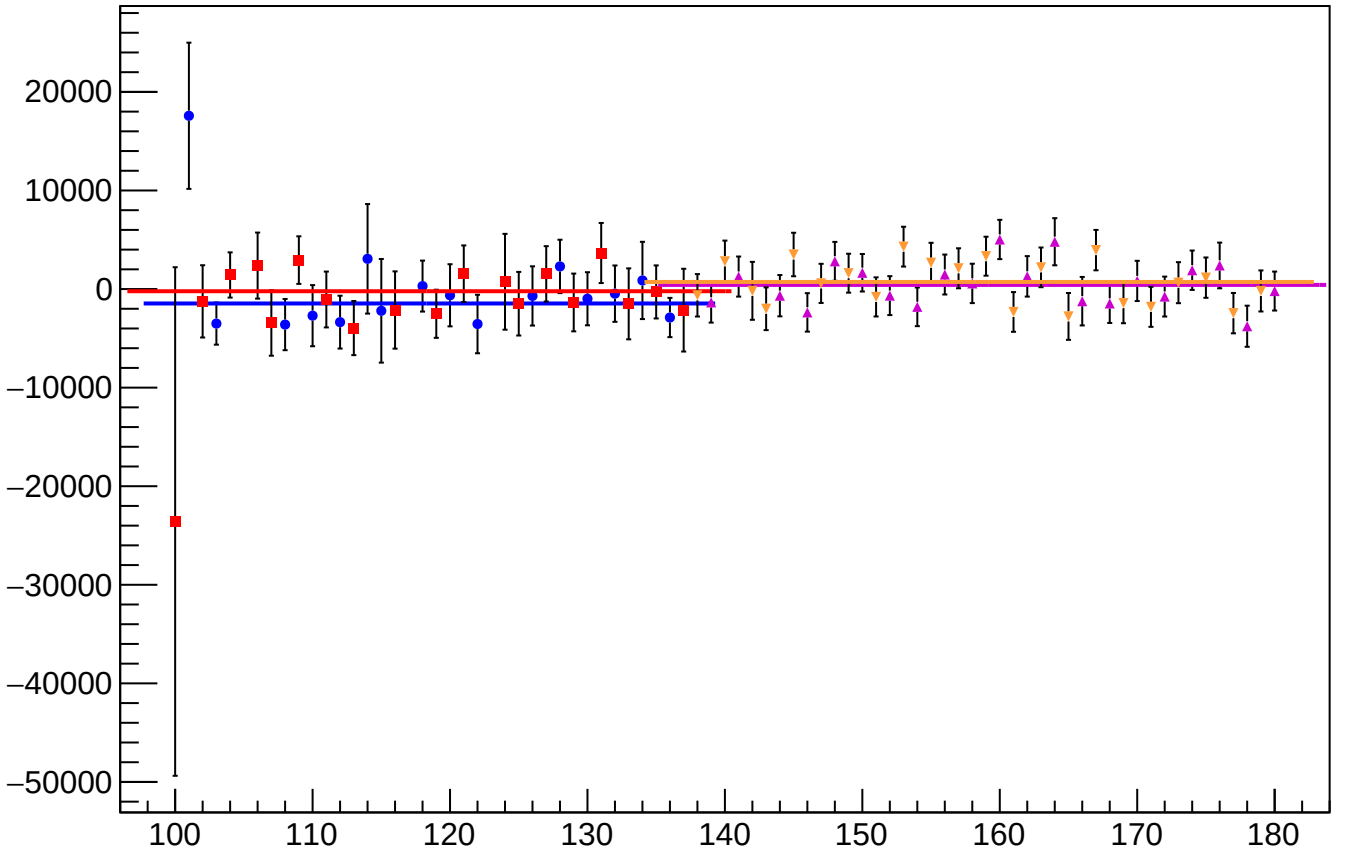
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4312.862+/-0.750 χ^2/NDF:1201339.5/20

+ sign 4137.518+/-0.605 χ^2/NDF: 2149218.3/37

All: 4087.278+/-0.424 χ^2/NDF: 4941699.5/77

- sign 4039.023+/-0.593 χ^2/NDF: 2778976.3/39



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 719.950+/-444.541 χ^2/NDF:24.5/21

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

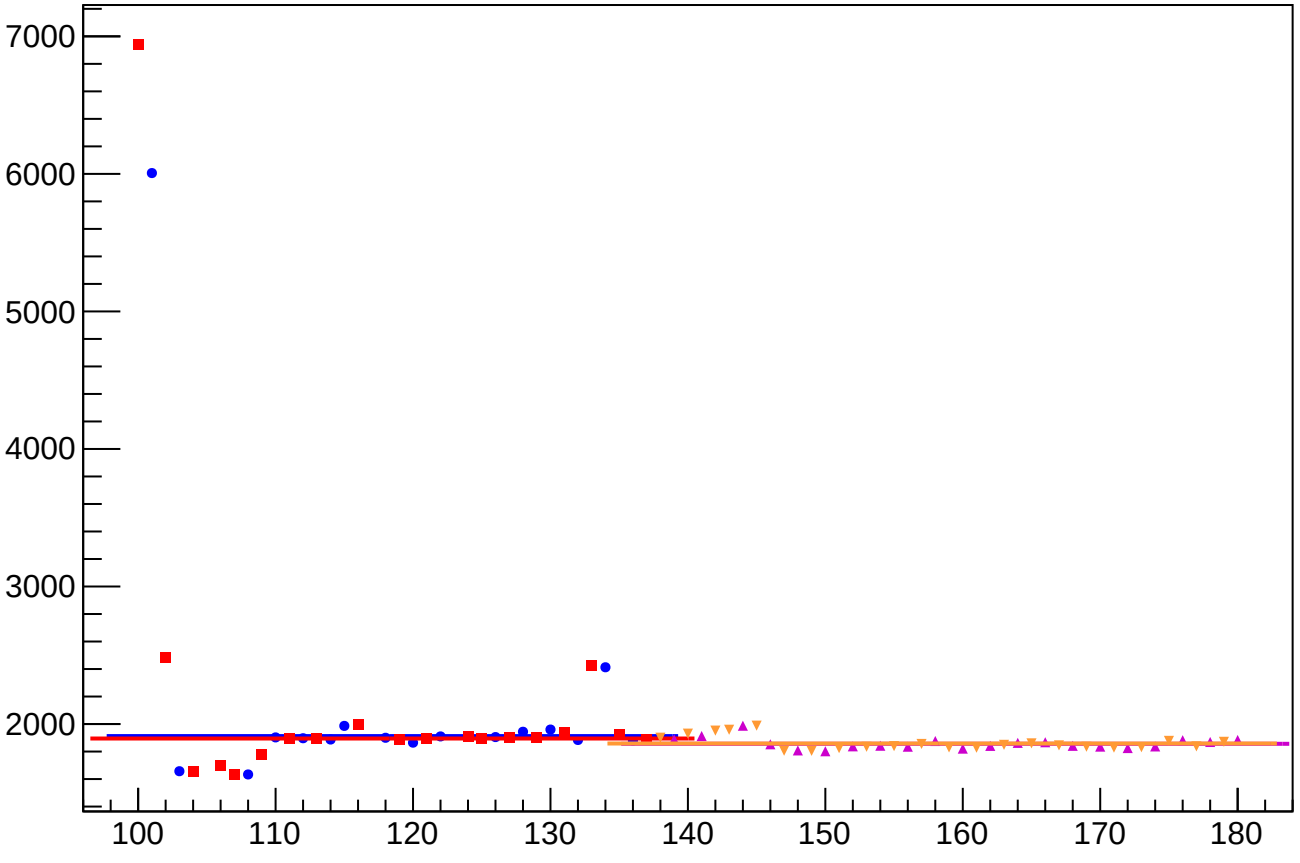
Left In: 421.009+/-446.998 χ^2/NDF:23.0/20

\+ sign 127.481+/-379.438 χ^2/NDF: 44.6/37

All: 183.293+/-267.829 χ^2/NDF: 79.0/77

\- 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: 1858.444+/-0.314 χ^2/NDF:22732.0/21

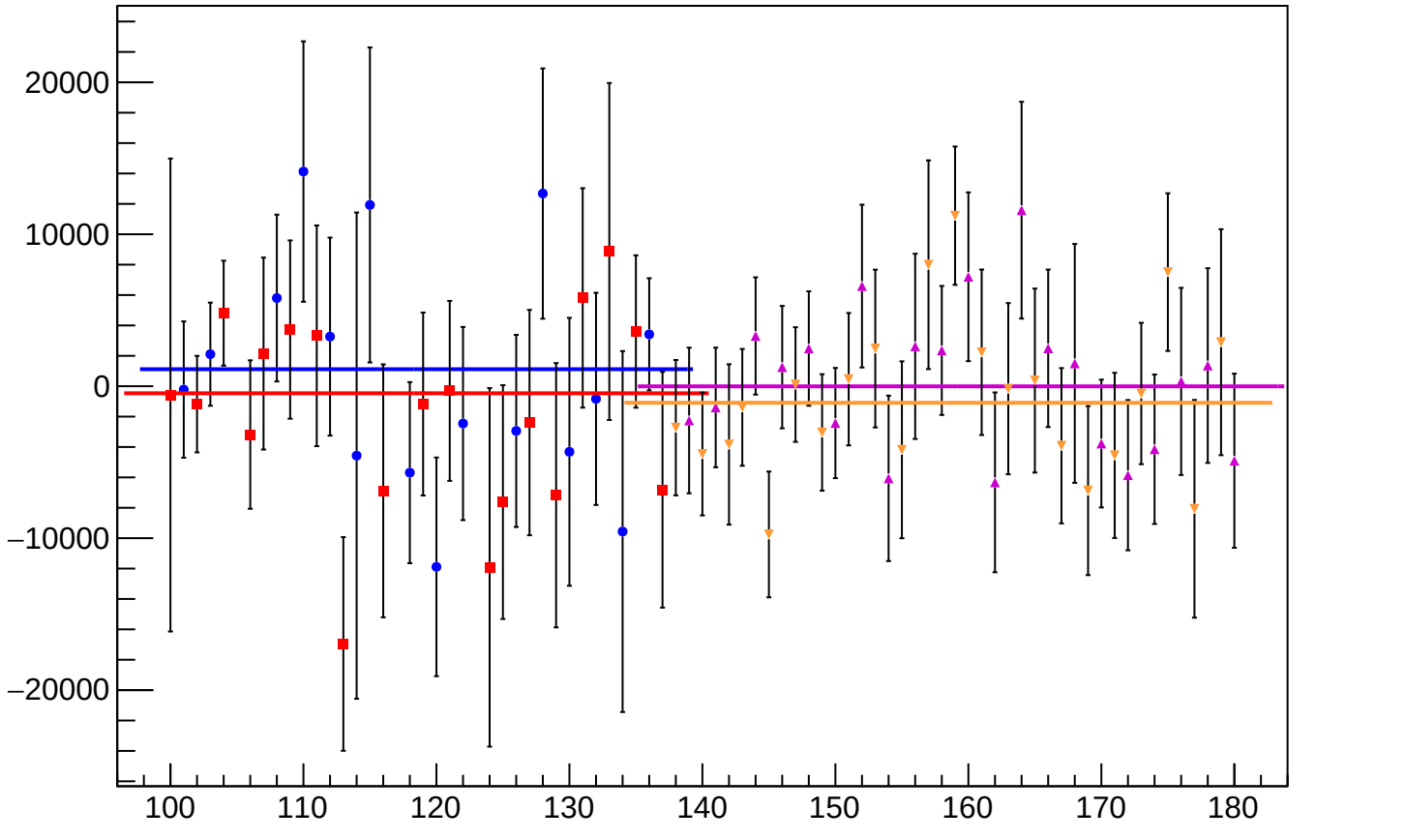
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1856.266+/-0.316 χ^2/NDF:15901.0/20

+ sign 1873.085+/-0.268 χ^2/NDF: 726943.5/37

All: 1870.149+/-0.189 χ^2/NDF: 967092.0/77

- 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: -1089.426+/-1043.292 χ^2/NDF:22.0/21

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

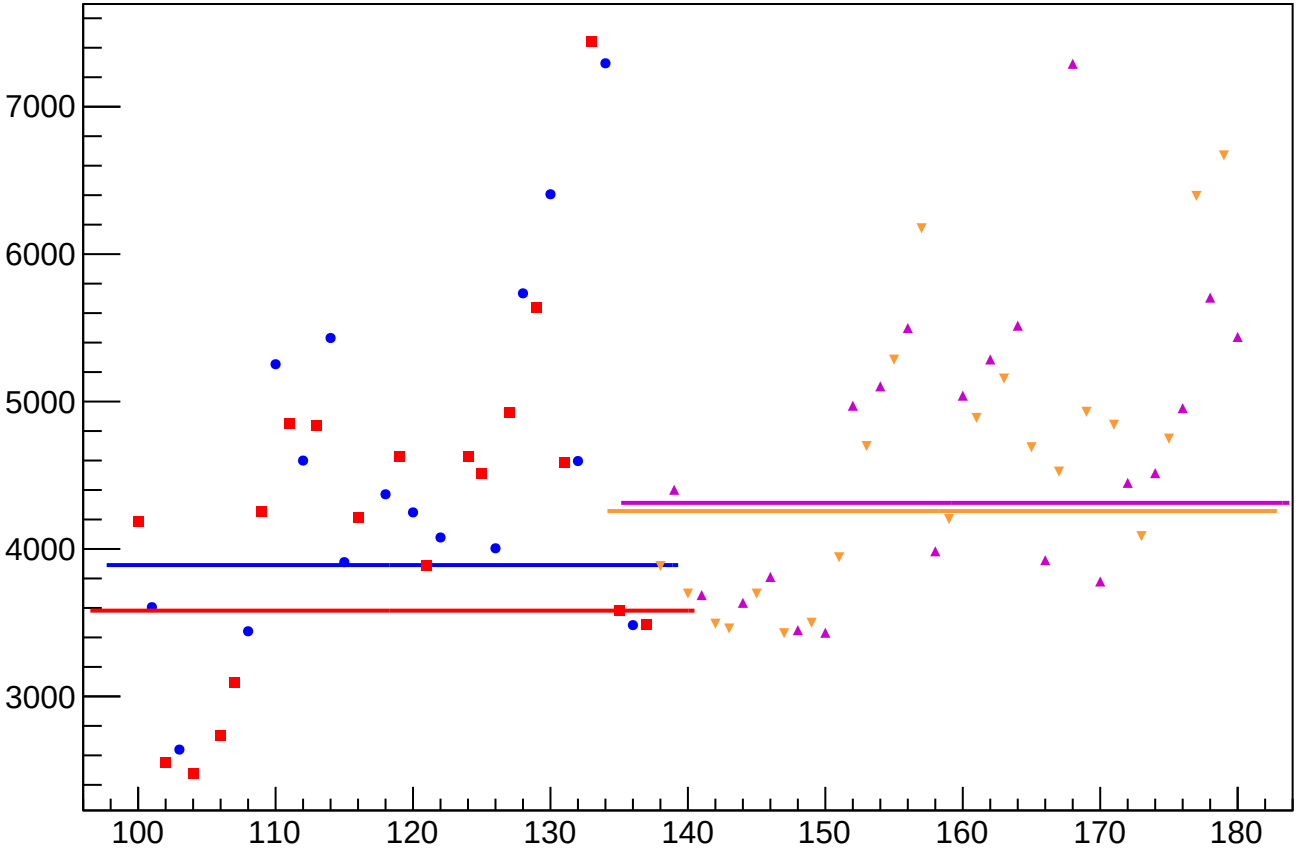
Left In: -7.290+/-1060.852 χ^2/NDF:14.7/20

\+ sign -367.511+/-856.059 χ^2/NDF: 37.0/37

All: -271.098+/-599.191 χ^2/NDF: 66.8/77

\- sign -178.497+/-838.967 χ^2/NDF: 29.8/39

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4257.293+/-0.738 χ^2/NDF:1190130.3/21

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

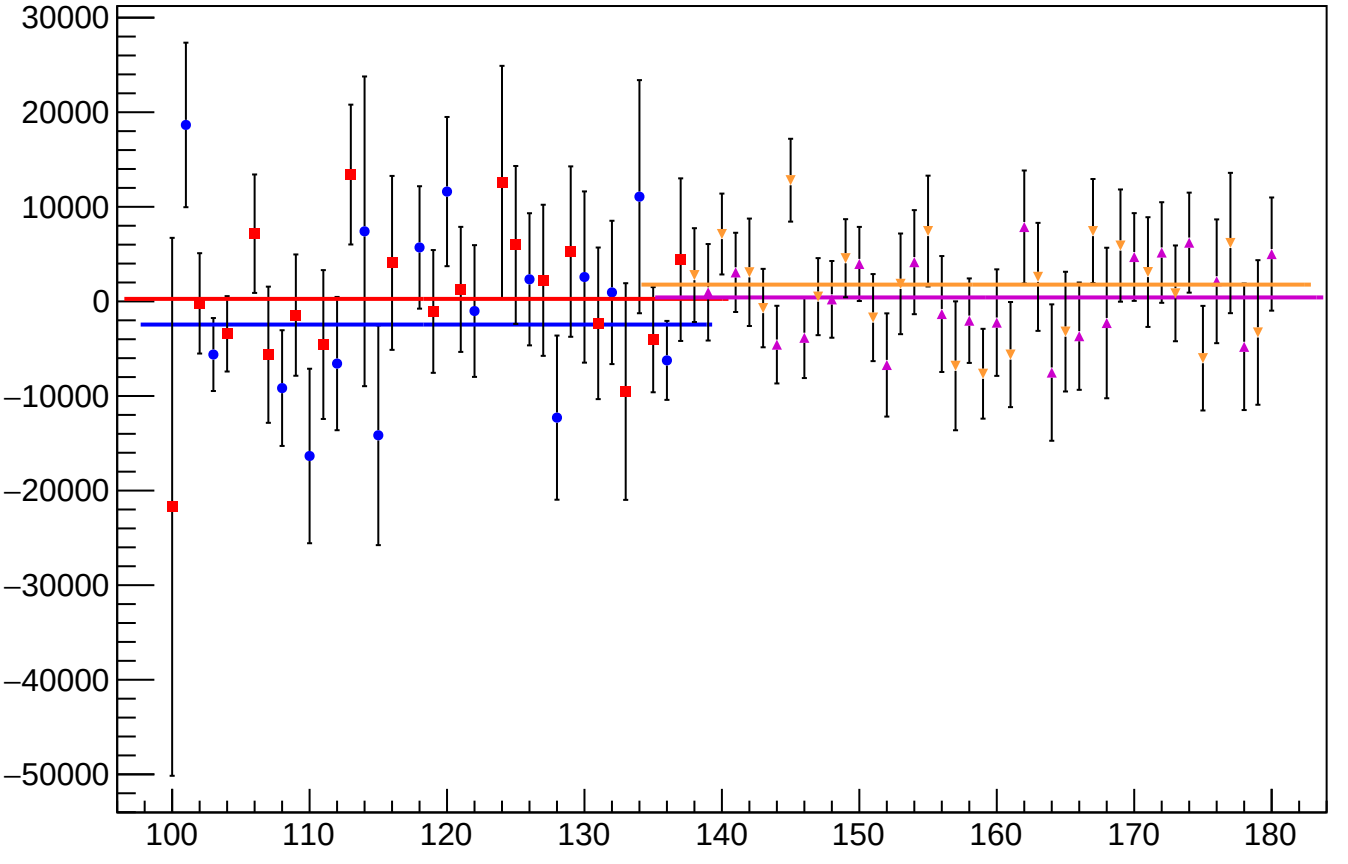
Left In: 4312.869+/-0.750 χ^2/NDF:1201345.1/20

+ sign 4137.522+/-0.605 χ^2/NDF: 2149216.5/37

All: 4087.280+/-0.424 χ^2/NDF: 4941704.5/77

- 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: 1775.733+/-1104.762 χ^2/NDF:22.8/21

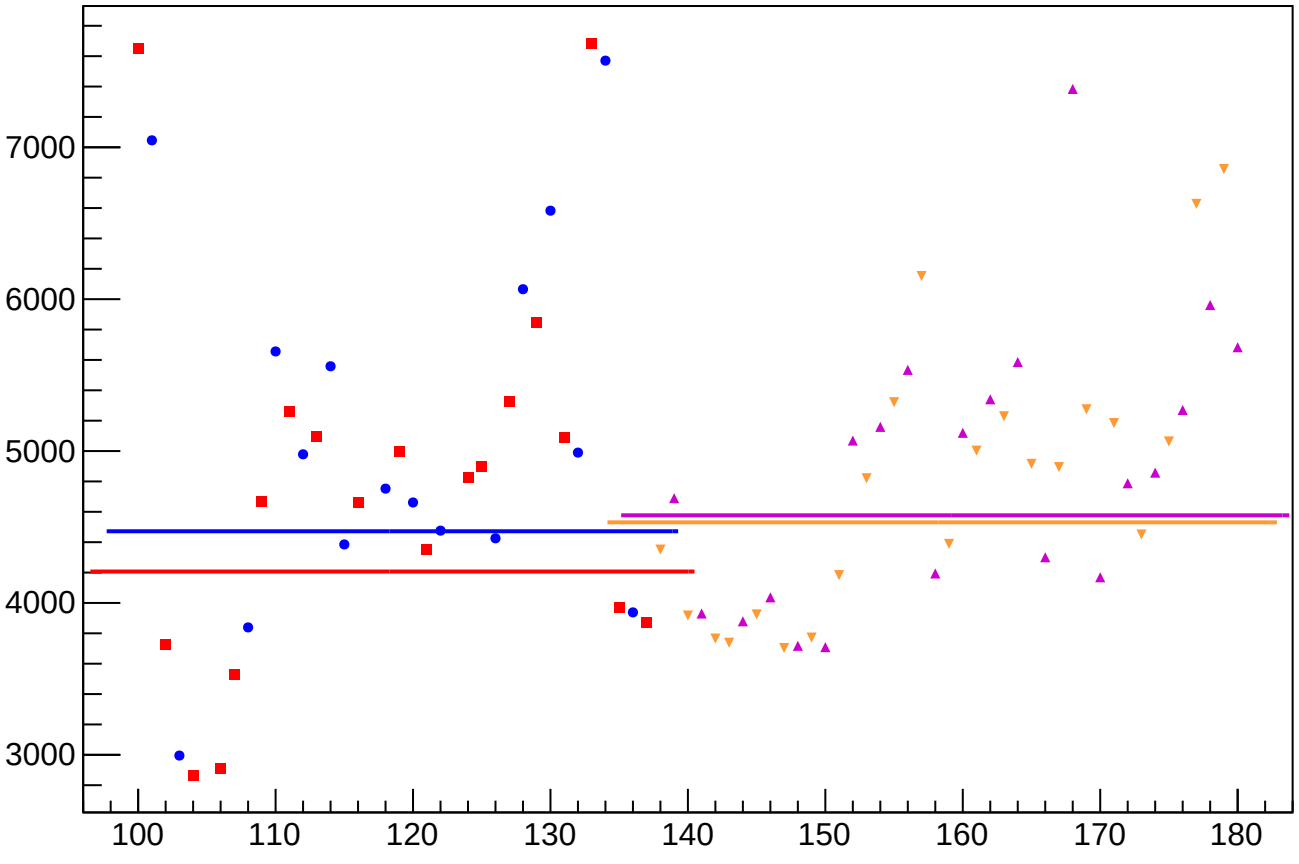
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 419.672+/-1120.769 χ^2/NDF:14.0/20

\+ sign 541.753+/-929.487 χ^2/NDF: 47.9/37

All: 455.196+/-654.643 χ^2/NDF: 72.6/77

\- sign 369.999+/-922.166 χ^2/NDF: 24.7/39



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4530.540+/-0.781 χ^2/NDF:991882.2/21

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

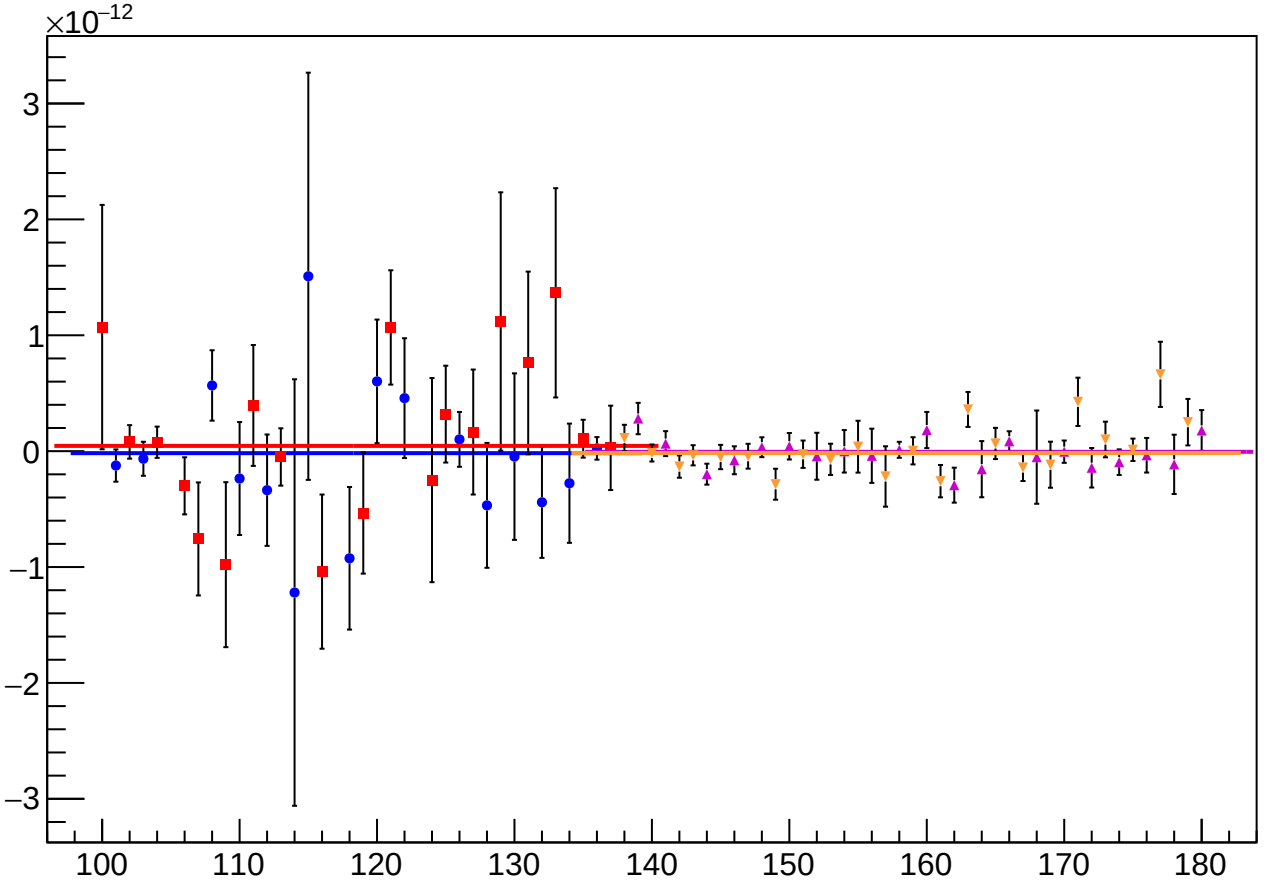
Left In: 4577.035+/-0.793 χ^2/NDF:973773.2/20

+ sign 4513.410+/-0.657 χ^2/NDF: 1885206.5/37

All: 4484.479+/-0.462 χ^2/NDF: 3780578.3/77

- 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:31.7/21

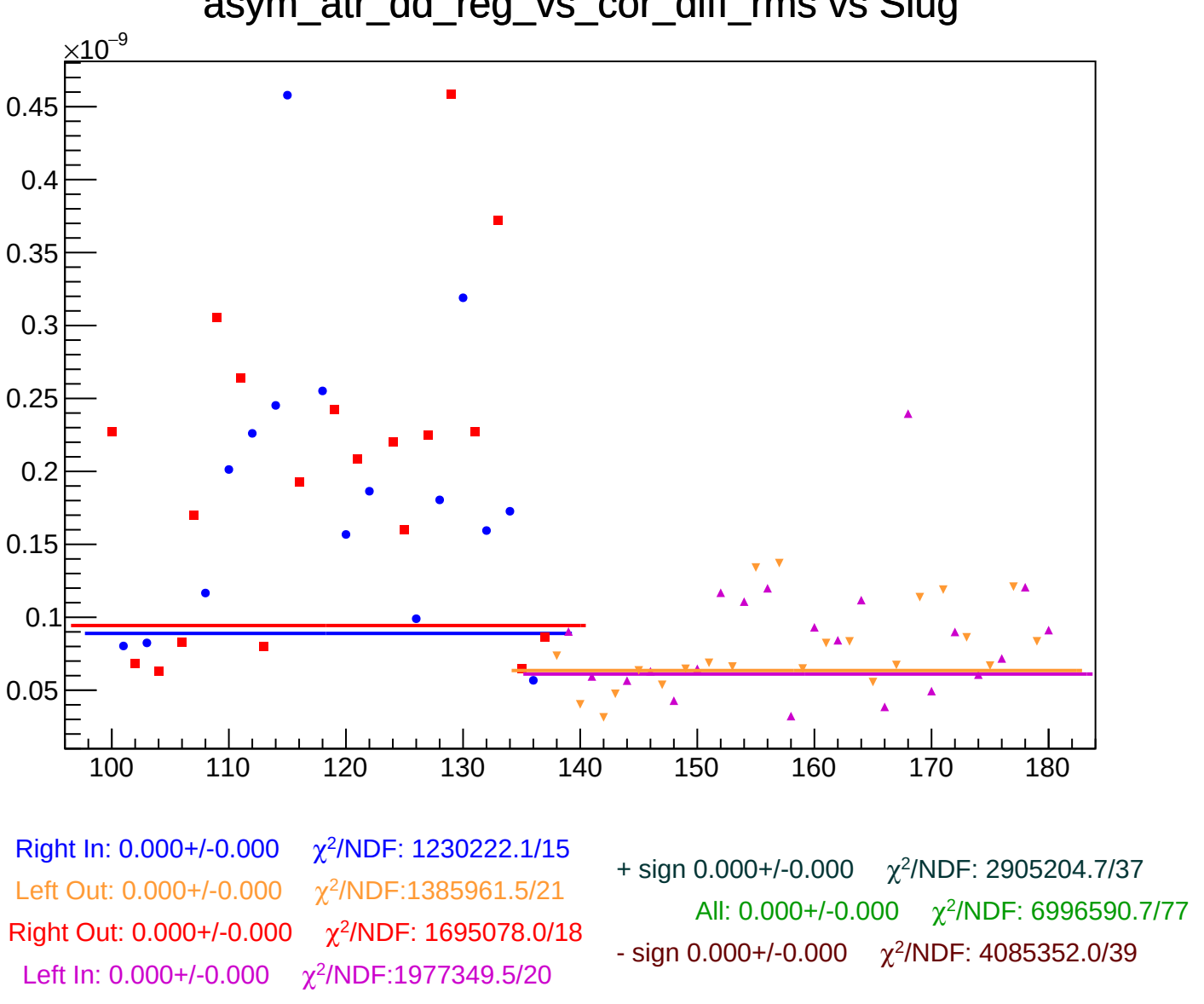
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/20

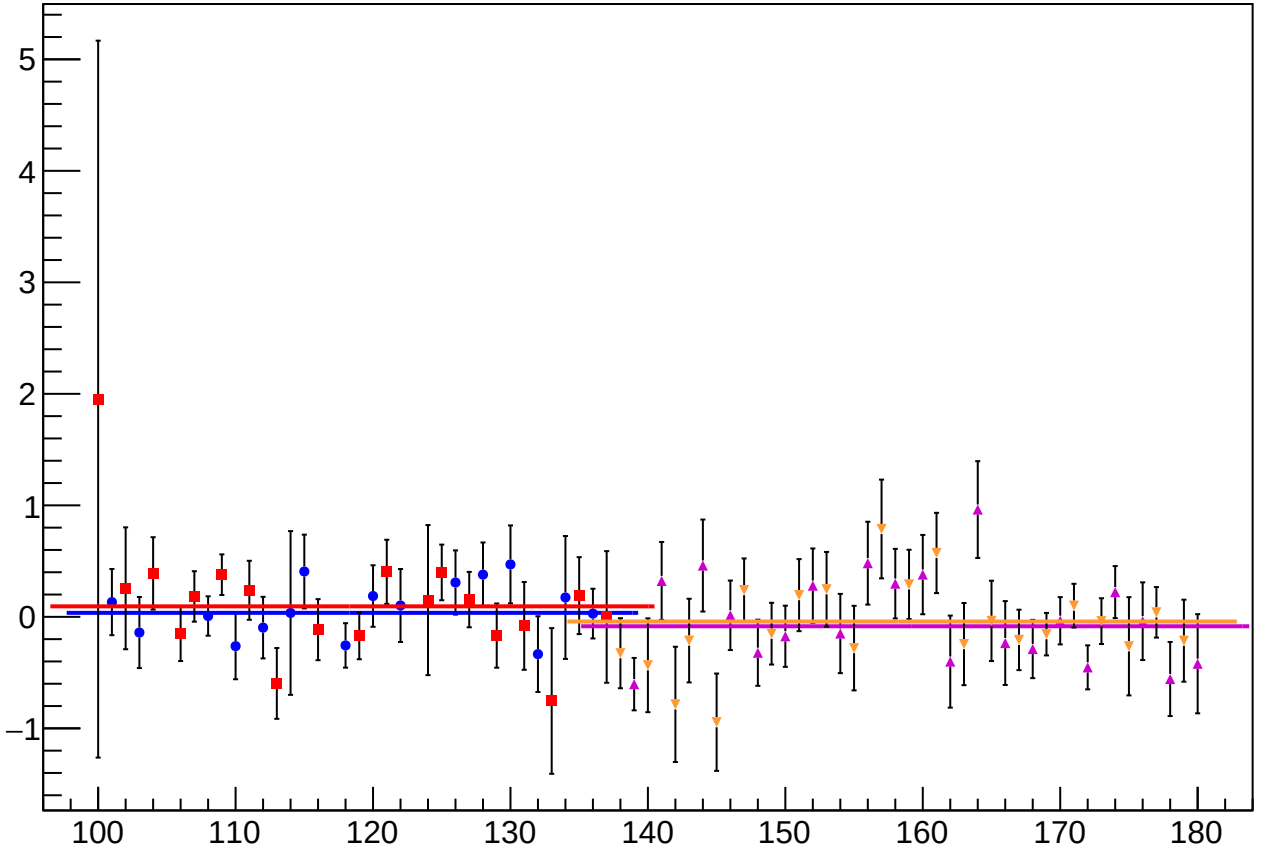
+ sign -0.000+/-0.000 χ^2/NDF: 44.4/37

All: -0.000+/-0.000 χ^2/NDF: 86.0/77

- sign 0.000+/-0.000 χ^2/NDF: 41.3/39


asym_atr_dd_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
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1230222.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1385961.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 1695078.0/18
Left In: 0.000+/-0.000 χ²/NDF:1977349.5/20
+ sign 0.000+/-0.000 χ²/NDF: 2905204.7/37
All: 0.000+/-0.000 χ²/NDF: 6996590.7/77
- sign 0.000+/-0.000 χ²/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: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

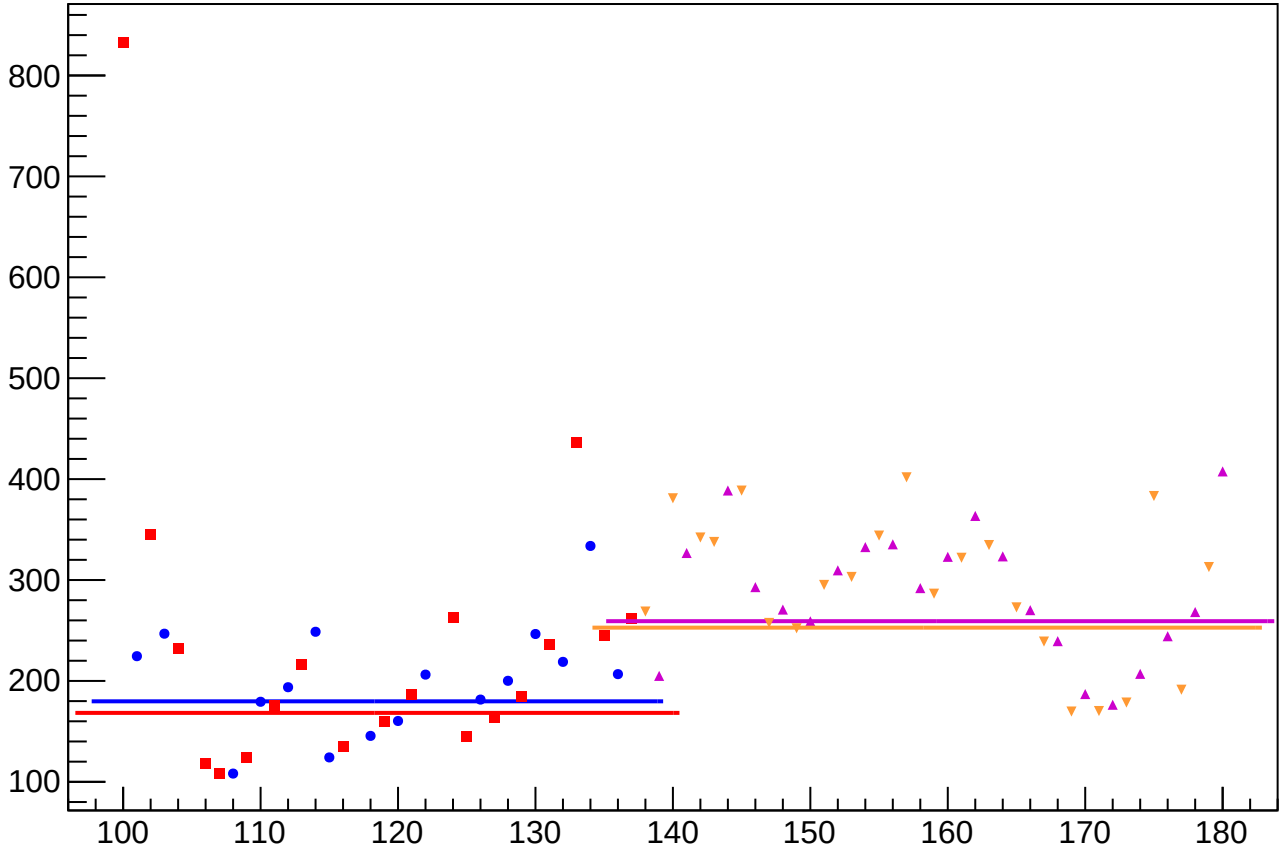
Left In: -0.085+/-0.066 χ^2/NDF:30.6/20

+ sign -0.007+/-0.047 χ^2/NDF: 32.0/37

All: -0.002+/-0.033 χ^2/NDF: 83.8/77

- 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: 252.811+/-0.045 χ^2/NDF:2550884.6/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

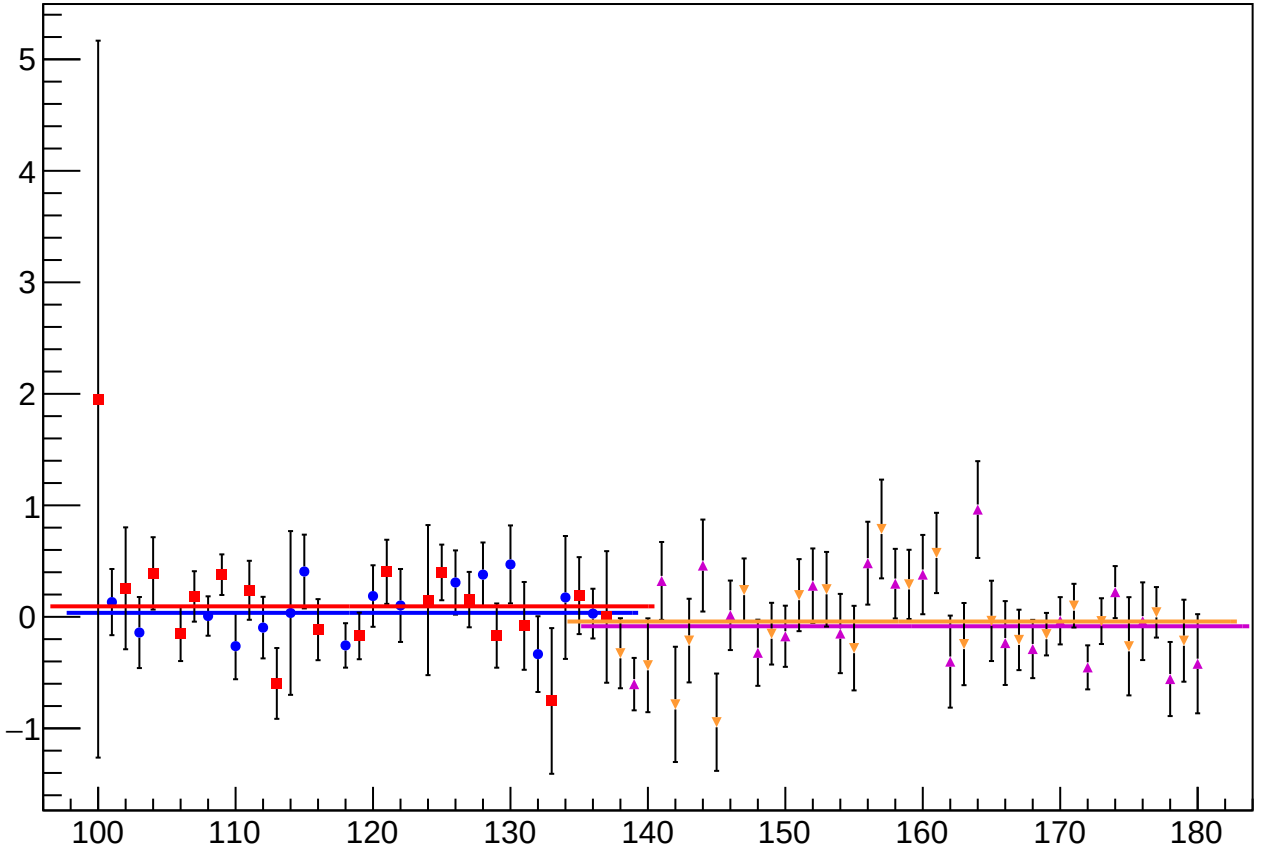
Left In: 259.218+/-0.047 χ^2/NDF:1802520.2/20

+ sign 219.860+/-0.034 χ^2/NDF: 4643901.8/37

All: 217.427+/-0.024 χ^2/NDF: 9721266.6/77

- 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: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

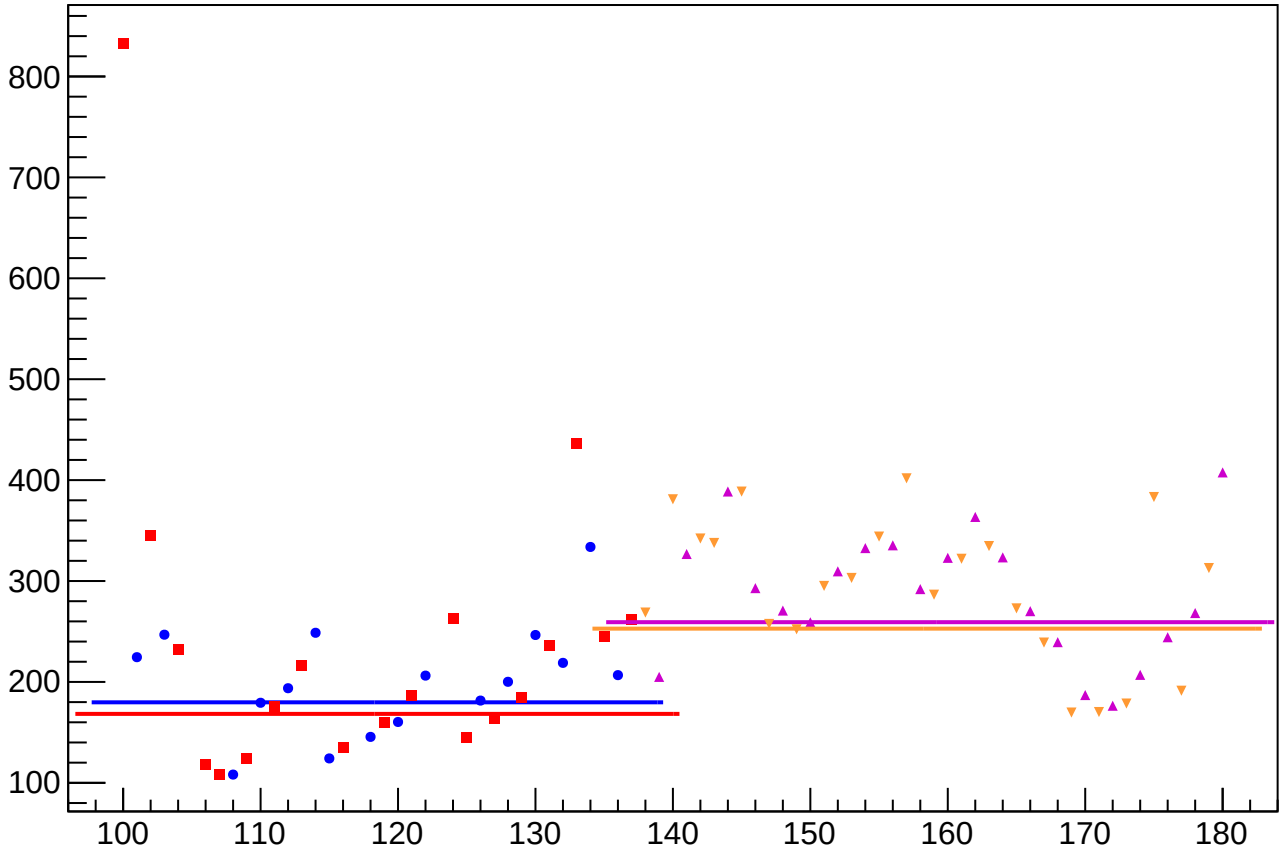
Left In: -0.085+/-0.066 χ^2/NDF:30.6/20

+ sign -0.007+/-0.047 χ^2/NDF: 32.0/37

All: -0.002+/-0.033 χ^2/NDF: 83.8/77

- 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: 252.811+/-0.045 χ^2/NDF:2550884.6/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

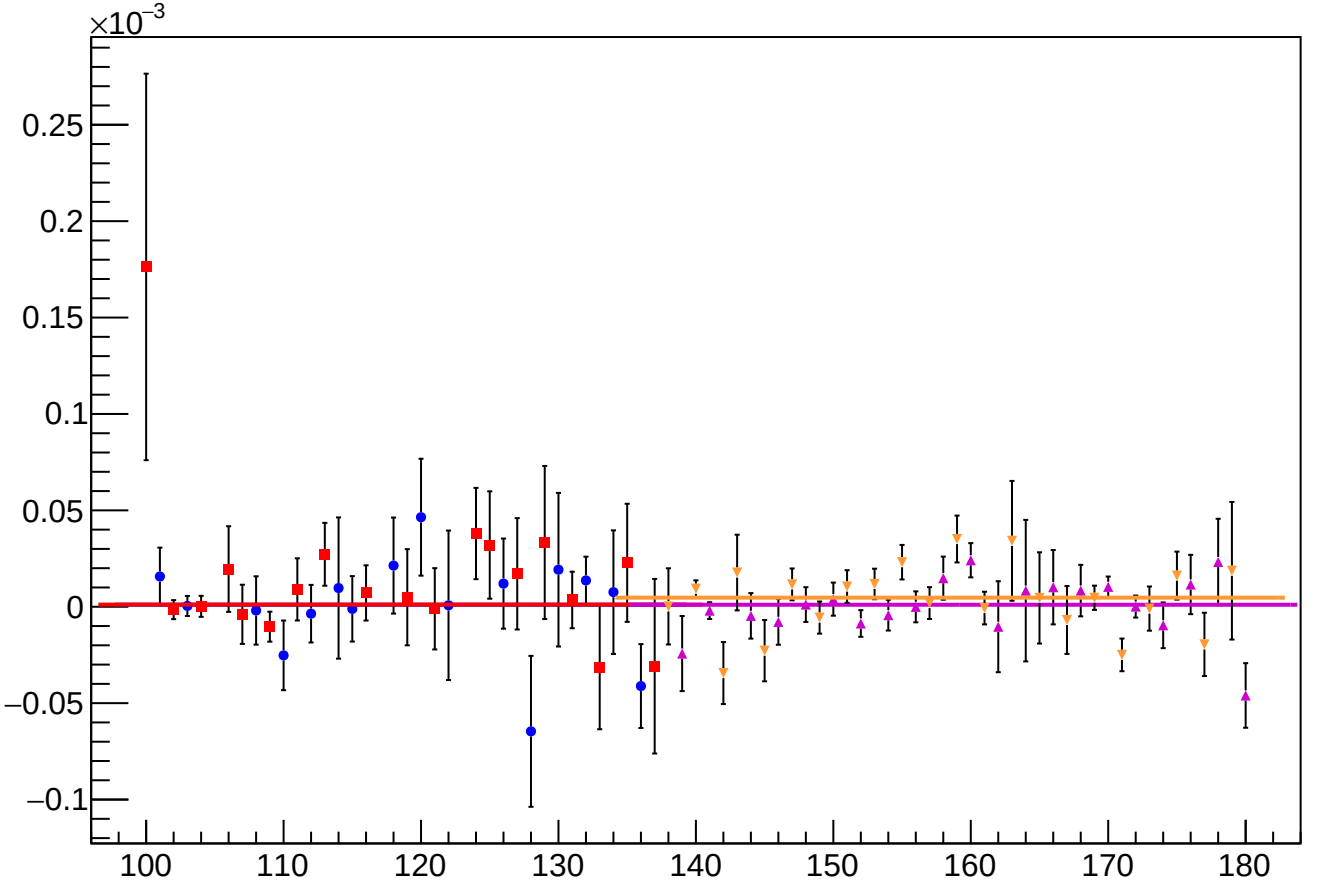
Left In: 259.218+/-0.047 χ^2/NDF:1802520.2/20

+ sign 219.860+/-0.034 χ^2/NDF: 4643901.8/37

All: 217.427+/-0.024 χ^2/NDF: 9721266.6/77

- 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:42.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

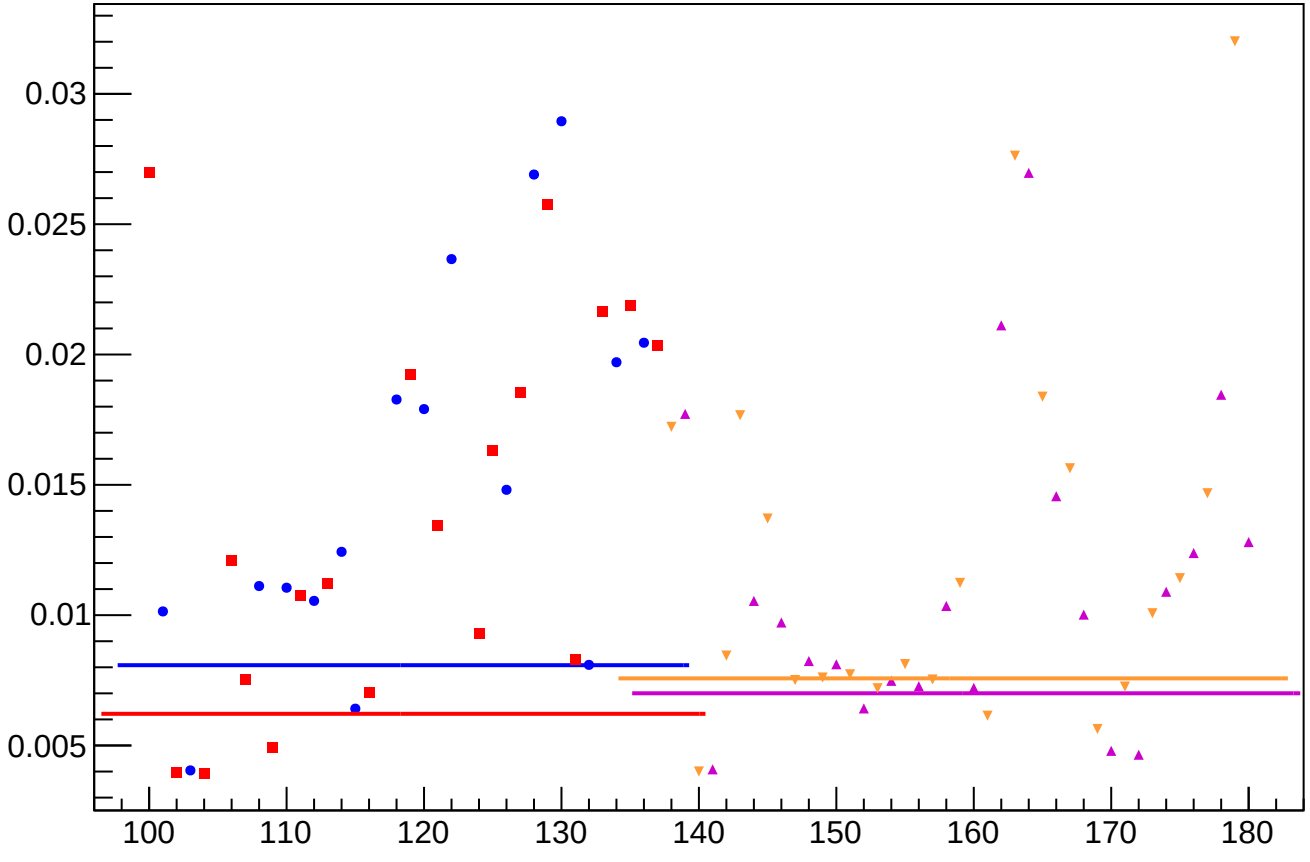
Left In: 0.000+/-0.000 χ^2/NDF:27.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/37

All: 0.000+/-0.000 χ^2/NDF: 102.3/77

- sign 0.000+/-0.000 χ^2/NDF: 43.8/39

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:6363090.8/21

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

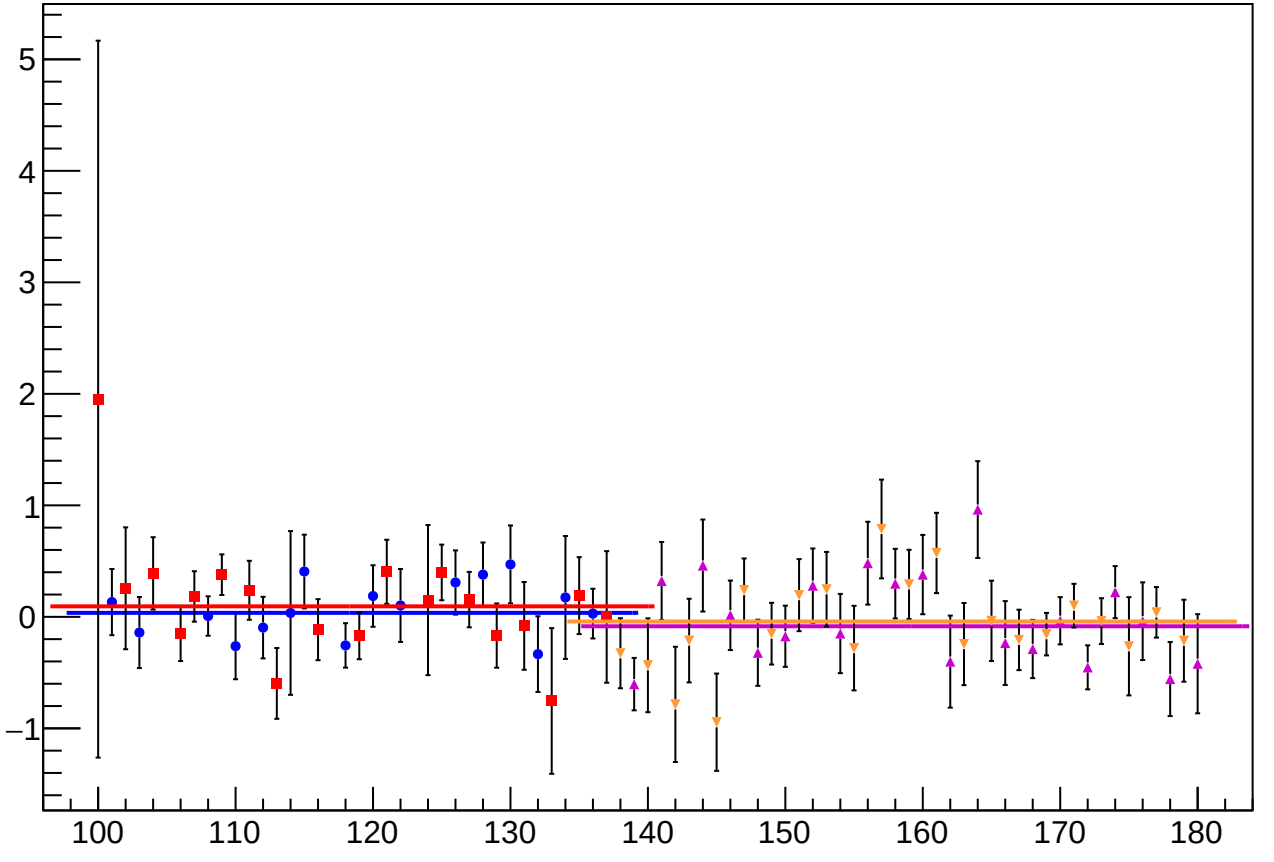
Left In: 0.007+/-0.000 χ^2/NDF:5688344.0/20

+ sign 0.008+/-0.000 χ^2/NDF: 10804974.1/37

All: 0.007+/-0.000 χ^2/NDF: 21468241.3/77

- sign 0.007+/-0.000 χ^2/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: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

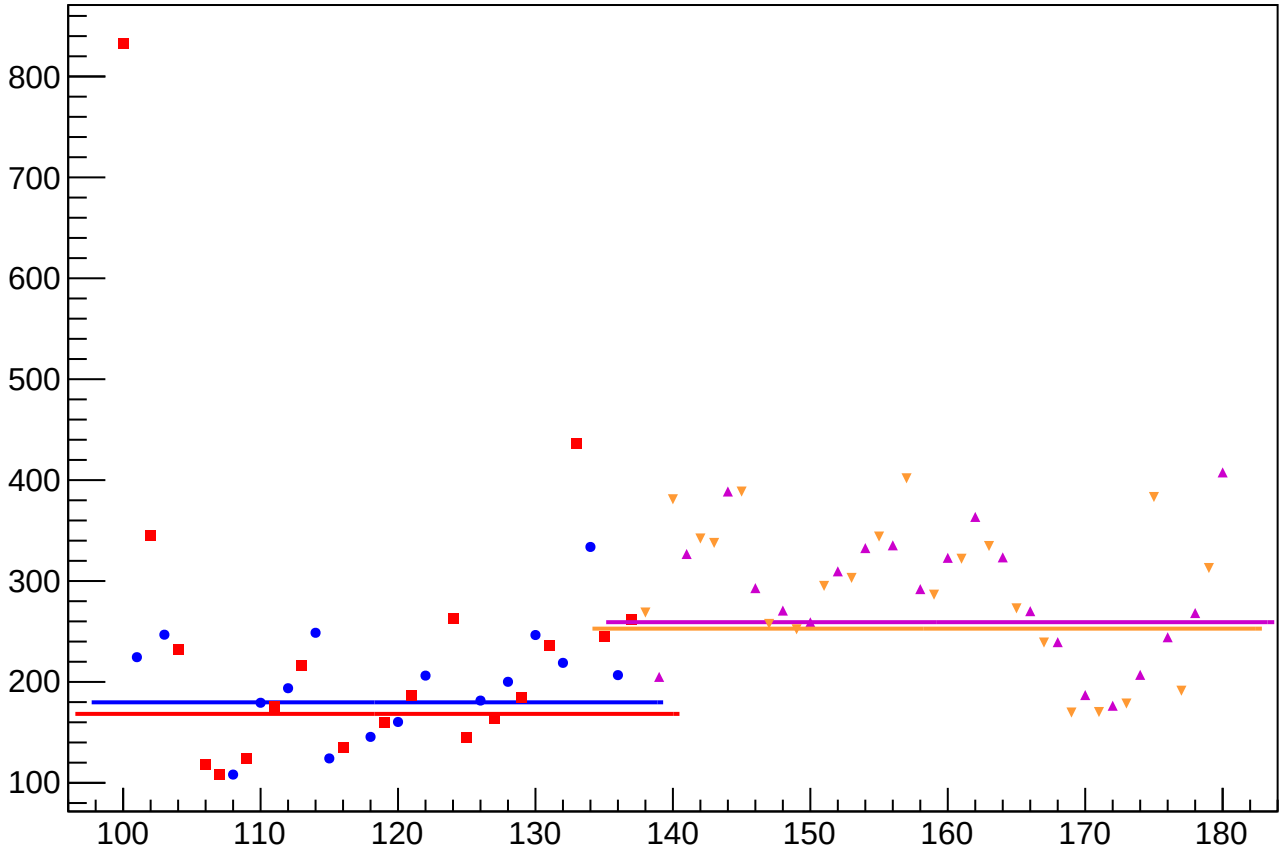
Left In: -0.085+/-0.066 χ^2/NDF:30.6/20

+ sign -0.007+/-0.047 χ^2/NDF: 32.0/37

All: -0.002+/-0.033 χ^2/NDF: 83.8/77

- 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: 252.813+/-0.045 χ^2/NDF:2551004.9/21

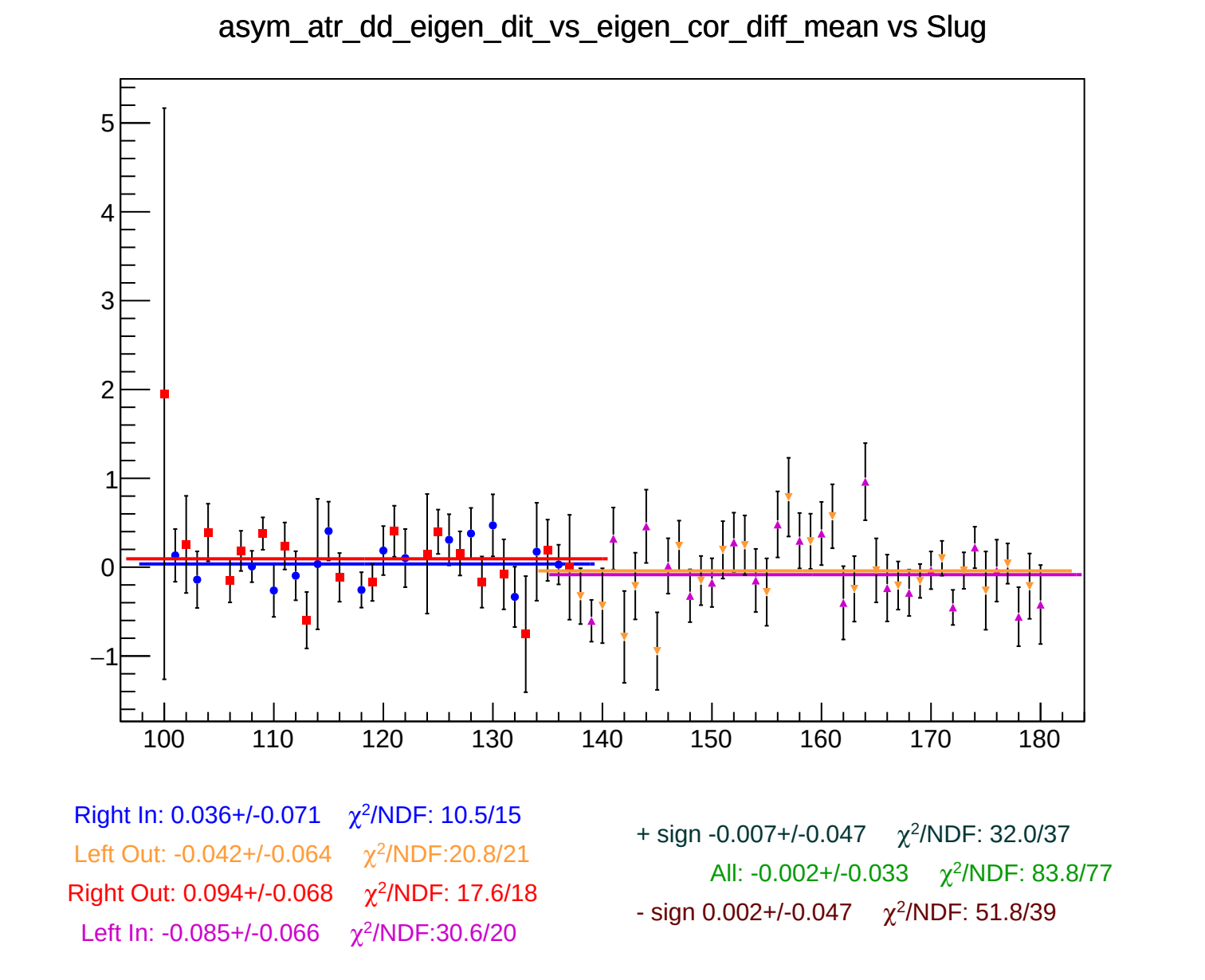
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

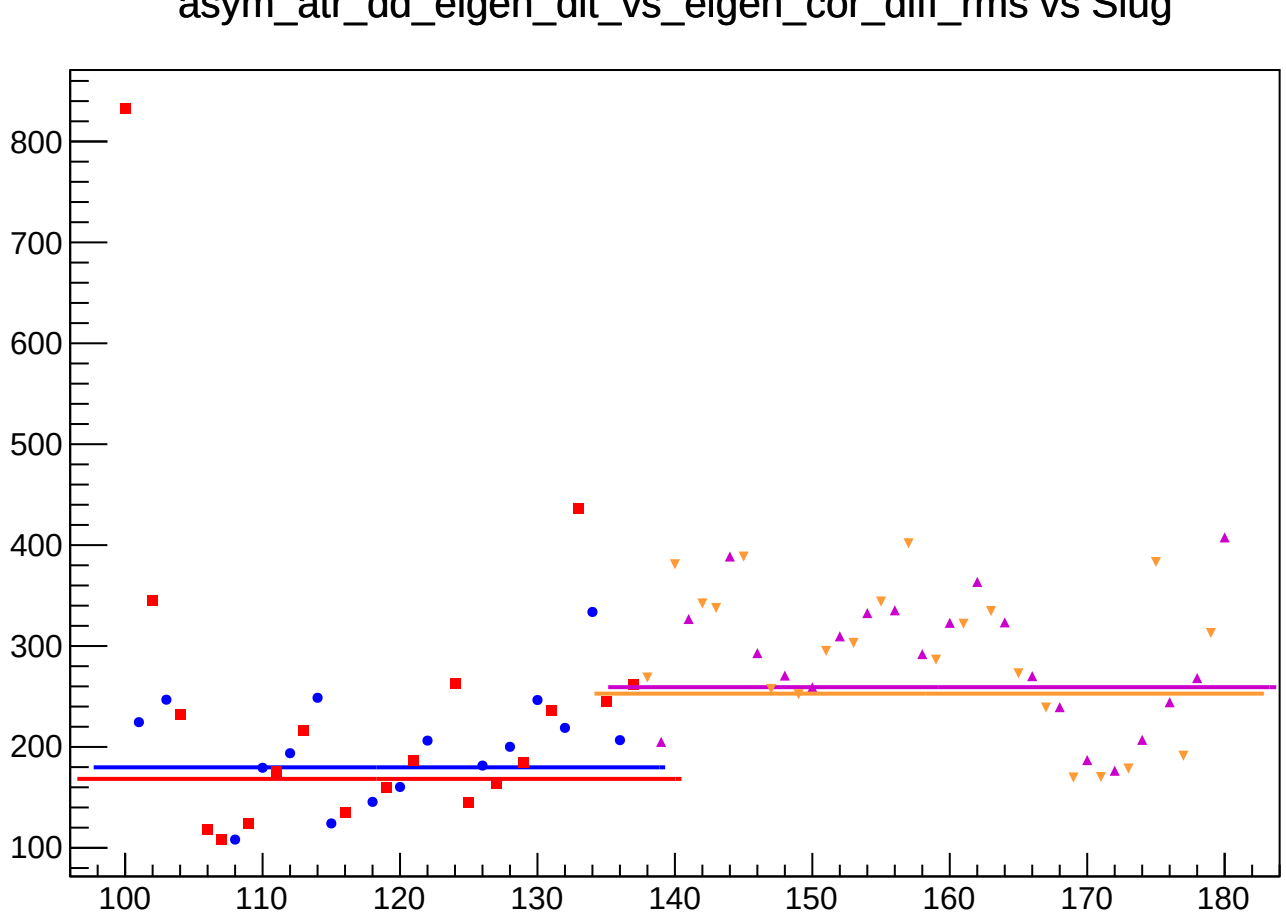
Left In: 259.220+/-0.047 χ^2/NDF:1802566.8/20

+ sign 219.859+/-0.034 χ^2/NDF: 4644212.3/37

All: 217.427+/-0.024 χ^2/NDF: 9721702.4/77

- 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: -0.042+/-0.064 χ²/NDF:20.8/21
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.085+/-0.066 χ²/NDF:30.6/20
+ sign -0.007+/-0.047 χ²/NDF: 32.0/37
All: -0.002+/-0.033 χ²/NDF: 83.8/77
- sign 0.002+/-0.047 χ²/NDF: 51.8/39



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 252.813+/-0.045 χ^2/NDF:2551004.9/21

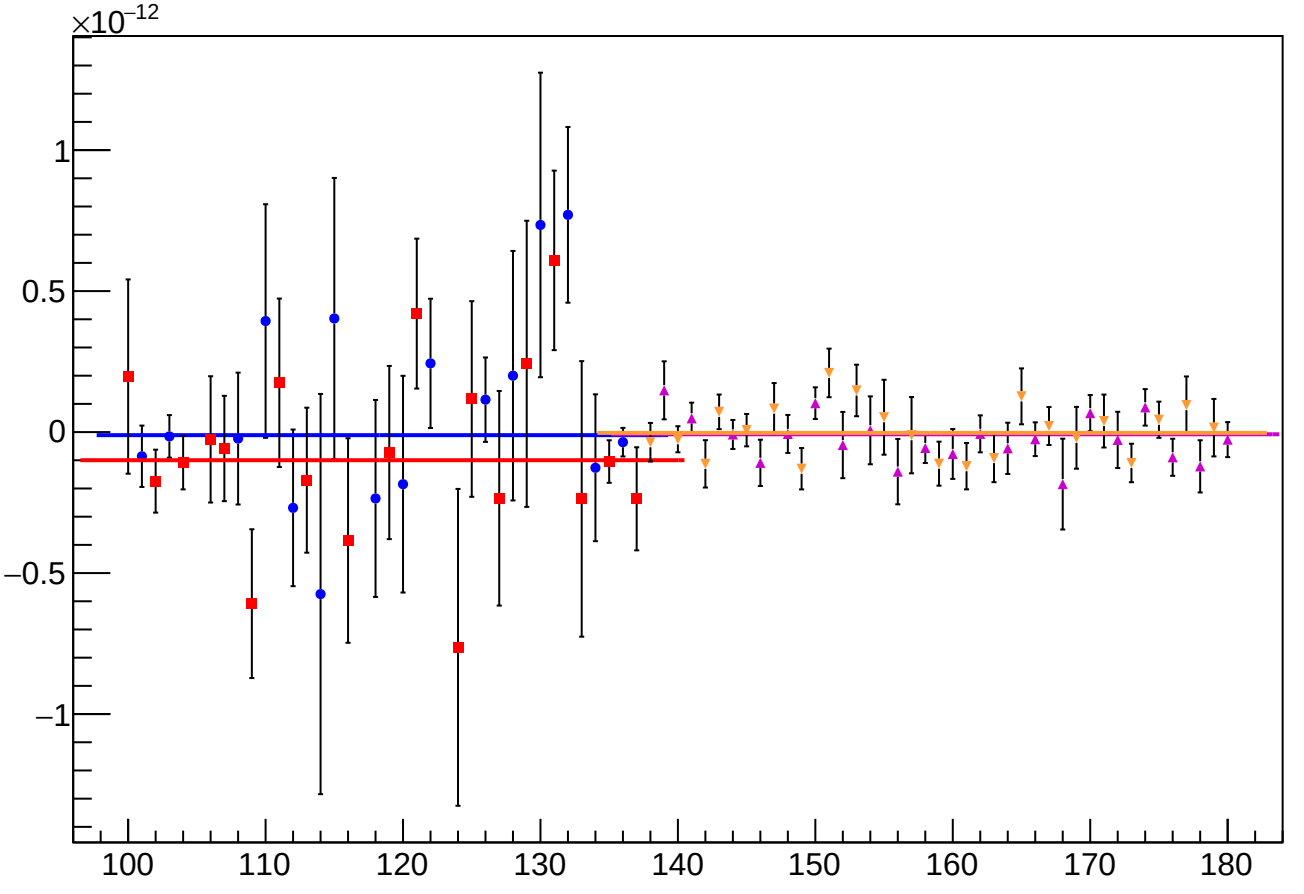
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 259.220+/-0.047 χ^2/NDF:1802566.8/20

+ sign 219.859+/-0.034 χ^2/NDF: 4644212.3/37

All: 217.427+/-0.024 χ^2/NDF: 9721702.4/77

- 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:27.7/21

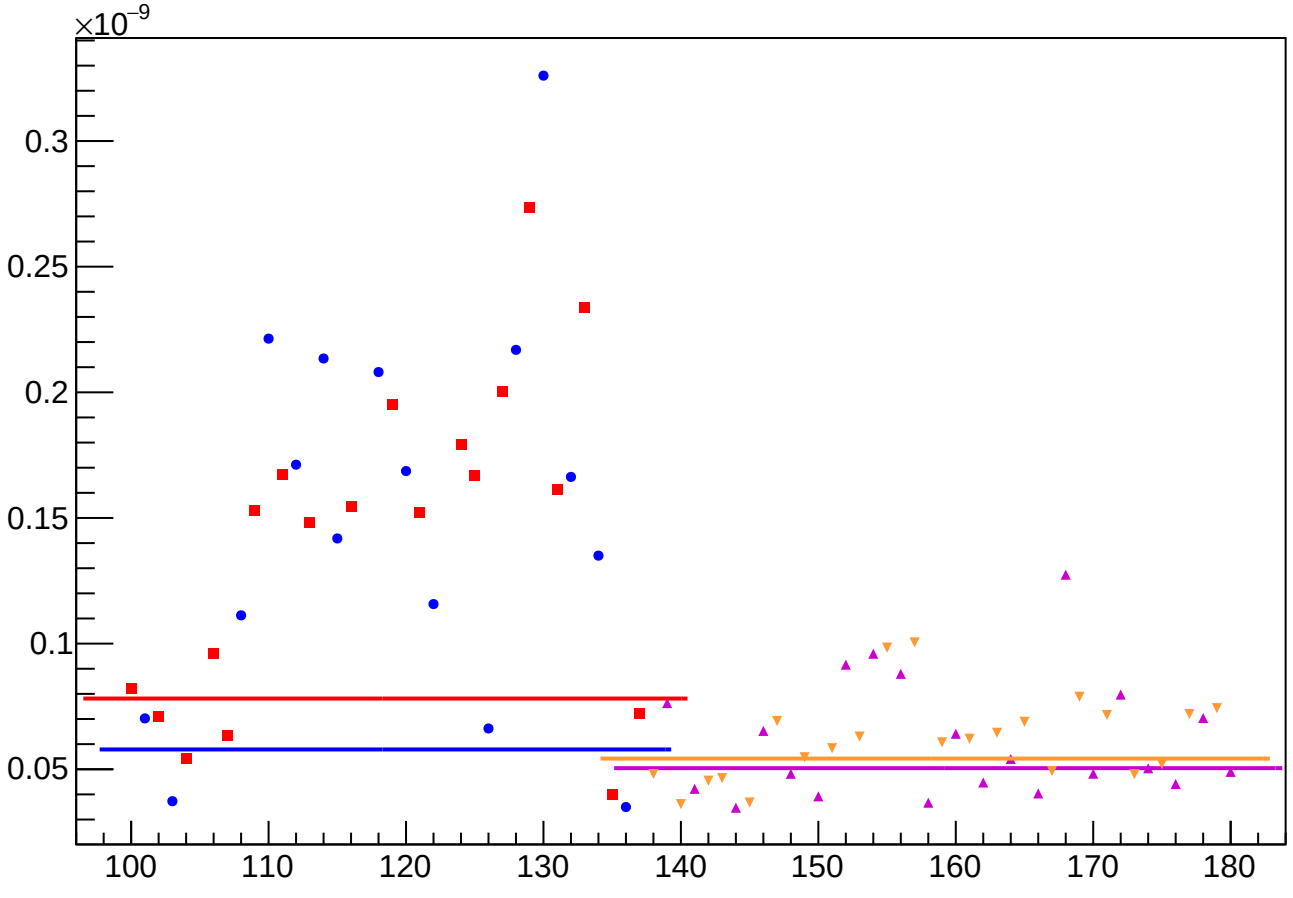
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 42.8/37

All: -0.000+/-0.000 χ^2/NDF: 85.8/77

- 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:1536267.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

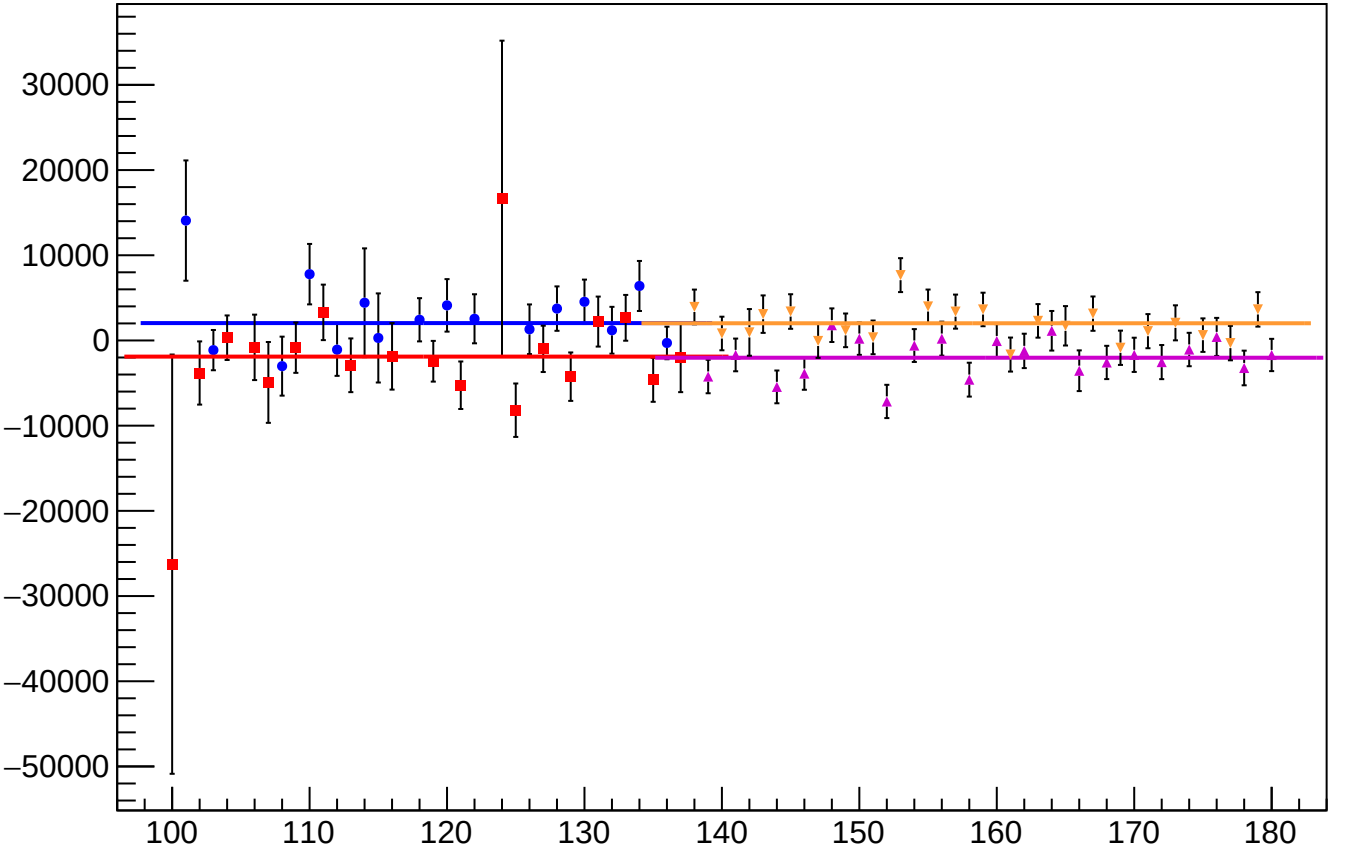
Left In: 0.000+/-0.000 χ^2/NDF:2246082.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 4876678.0/37

All: 0.000+/-0.000 χ^2/NDF: 10619386.6/77

- 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: 2018.654+/-435.049 χ^2/NDF:22.7/21

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

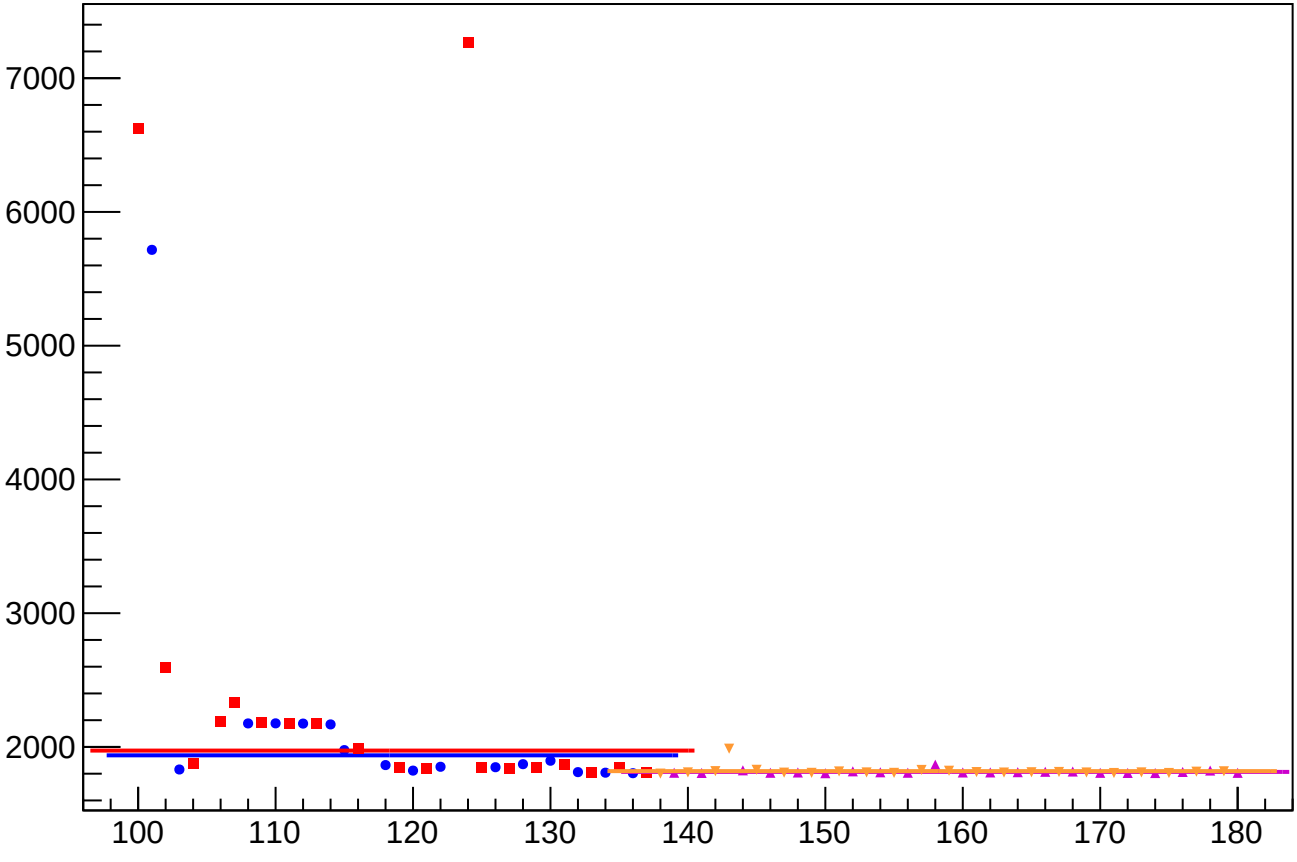
Left In: -2027.483+/-436.546 χ^2/NDF:26.3/20

+ sign 2023.975+/-374.542 χ^2/NDF: 39.2/37

All: 20.927+/-265.203 χ^2/NDF: 141.4/77

- 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: 1819.126+/-0.308 χ^2/NDF:12655.5/21

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

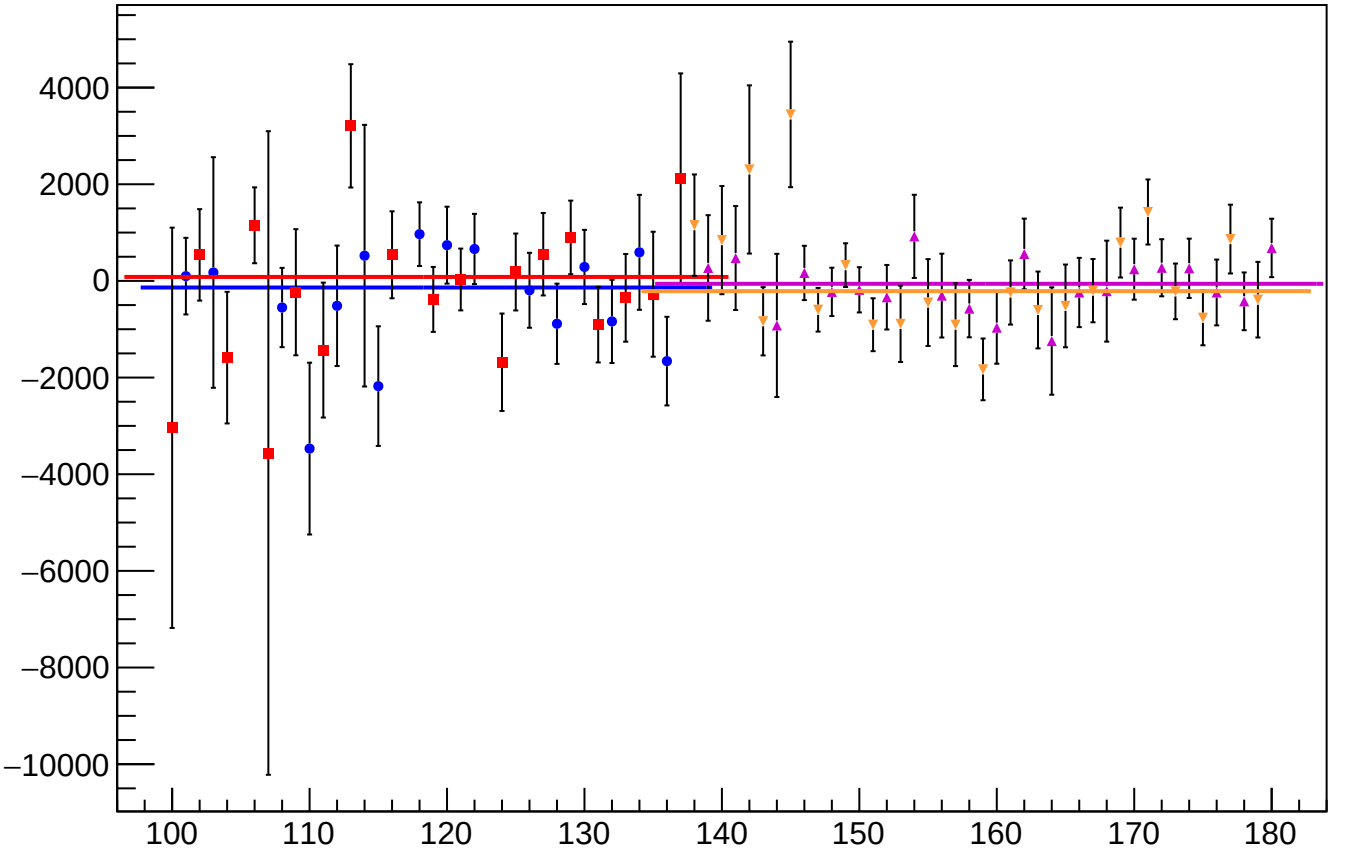
Left In: 1813.349+/-0.309 χ^2/NDF:1900.3/20

+ sign 1849.699+/-0.265 χ^2/NDF: 688910.0/37

All: 1852.229+/-0.188 χ^2/NDF: 1137830.3/77

- 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: -211.599+/-148.061 χ^2/NDF:34.5/21

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

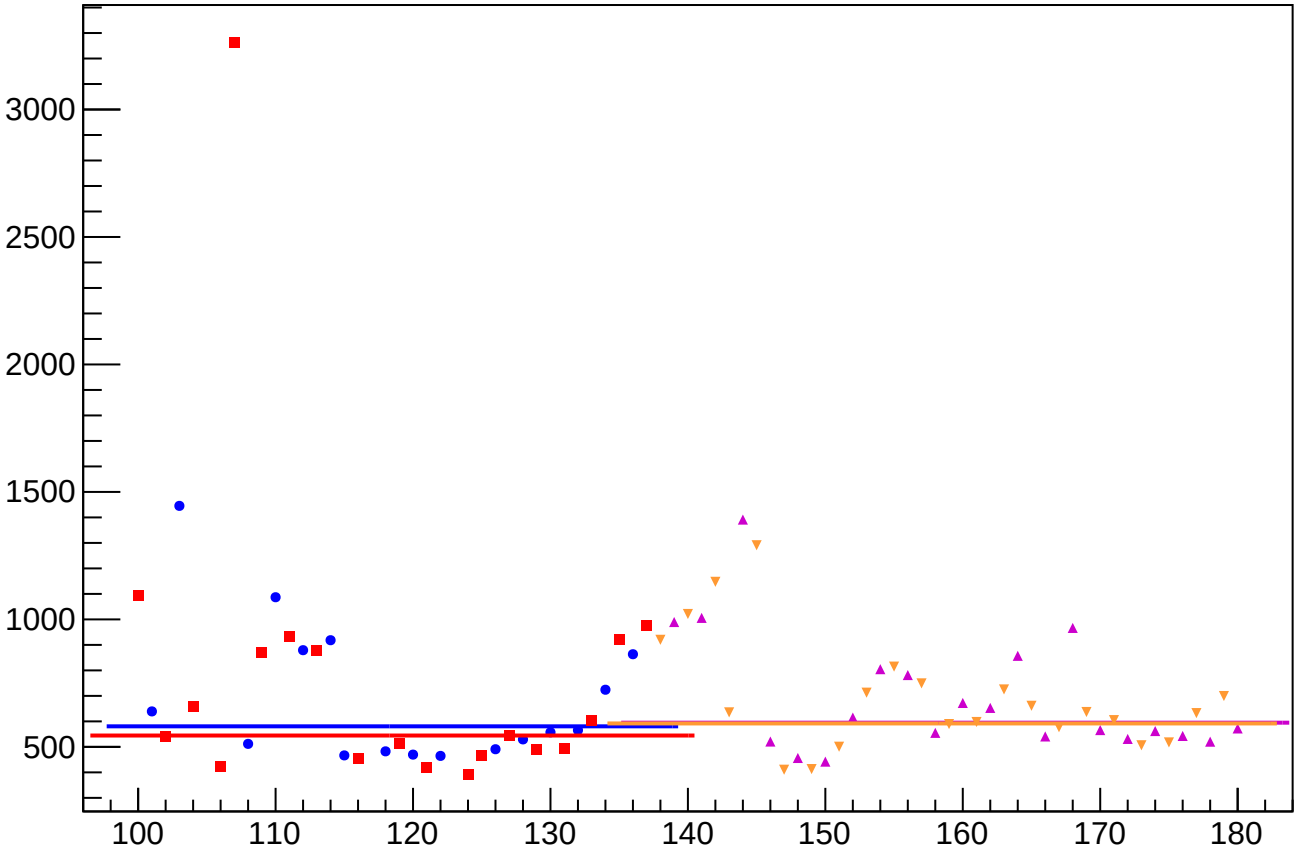
Left In: -59.623+/-149.568 χ^2/NDF:9.5/20

\+ sign -189.696+/-124.564 χ^2/NDF: 51.5/37

All: -102.144+/-87.896 χ^2/NDF: 82.0/77

\- 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: 591.890+/-0.105 χ^2/NDF:2261771.7/21

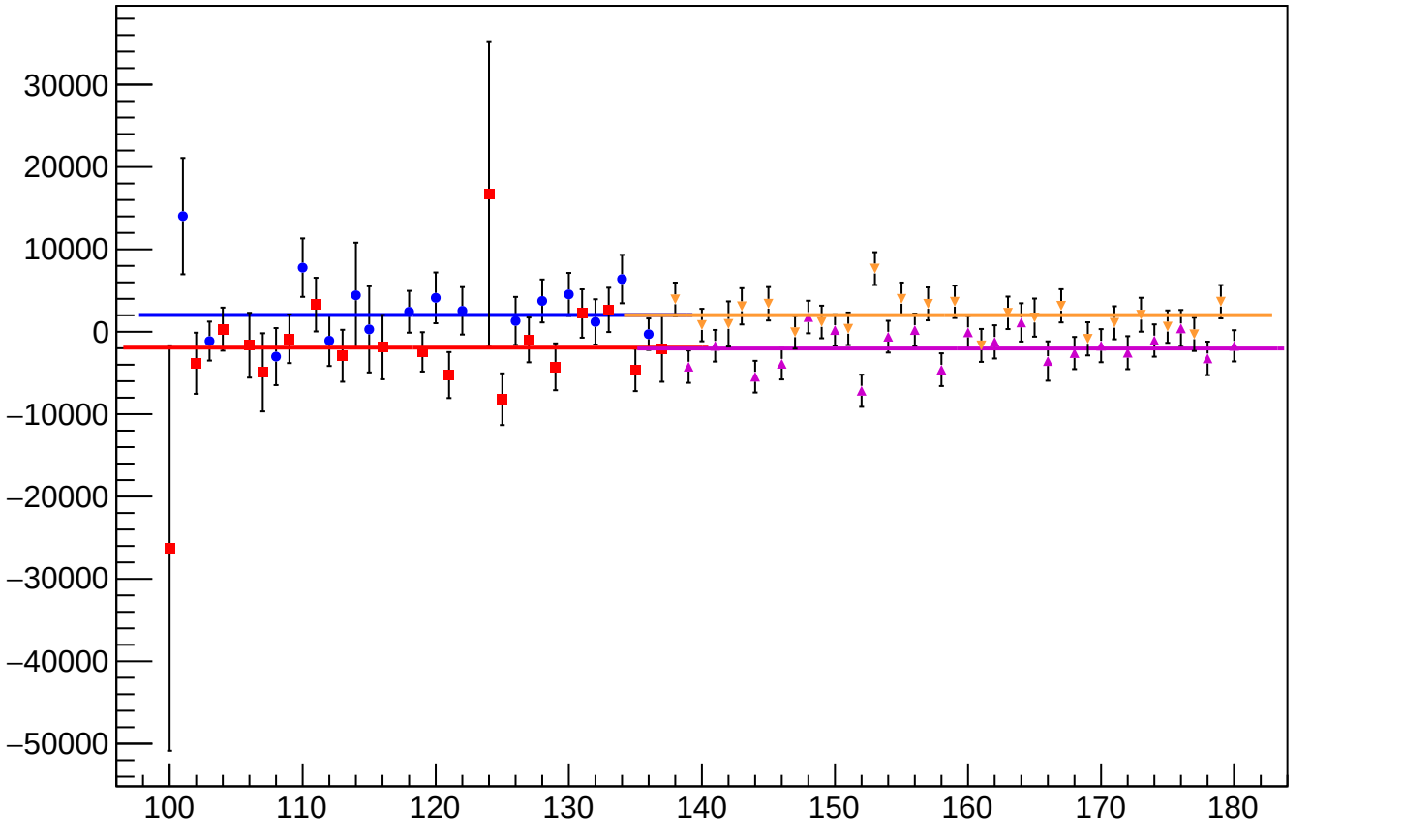
Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 594.909+/-0.106 χ^2/NDF:2243790.0/20

+ sign 588.594+/-0.088 χ^2/NDF: 3268574.0/37

All: 583.869+/-0.062 χ^2/NDF: 6876571.4/77

- sign 579.183+/-0.088 χ^2/NDF: 3602265.1/39



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2018.624+/-435.049 χ^2/NDF:22.7/21

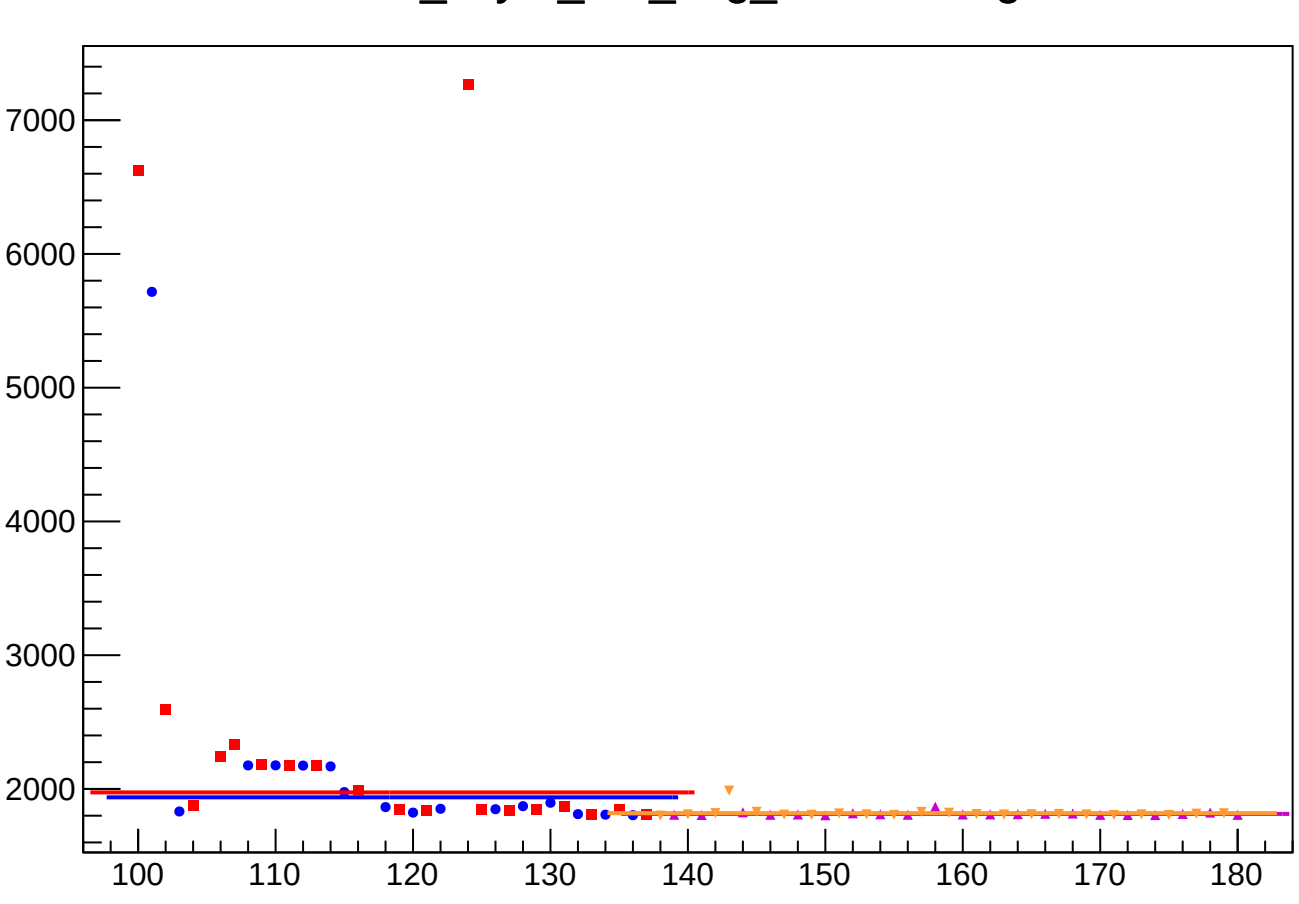
Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: -2027.582+/-436.546 χ^2/NDF:26.3/20

+ sign 2023.857+/-374.542 χ^2/NDF: 39.2/37

All: 17.255+/-265.233 χ^2/NDF: 141.5/77

- sign -2001.289+/-375.654 χ^2/NDF: 44.8/39



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.126+/-0.308 χ^2/NDF:12655.5/21

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

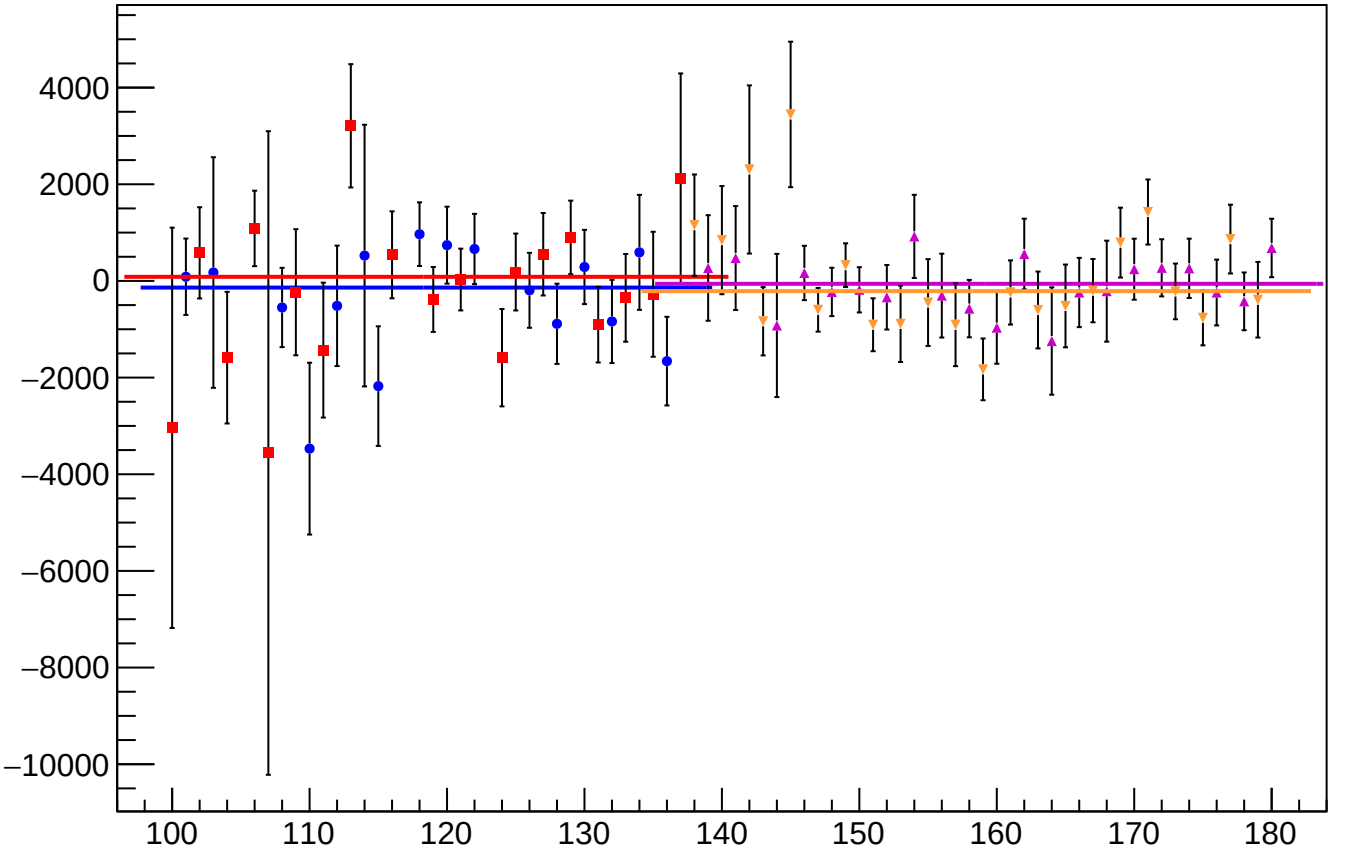
Left In: 1813.349+/-0.309 χ^2/NDF:1900.3/20

+ sign 1849.699+/-0.265 χ^2/NDF: 688910.0/37

All: 1852.382+/-0.188 χ^2/NDF: 1141872.7/77

- 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: -211.670+/-148.061 χ^2/NDF:34.5/21

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

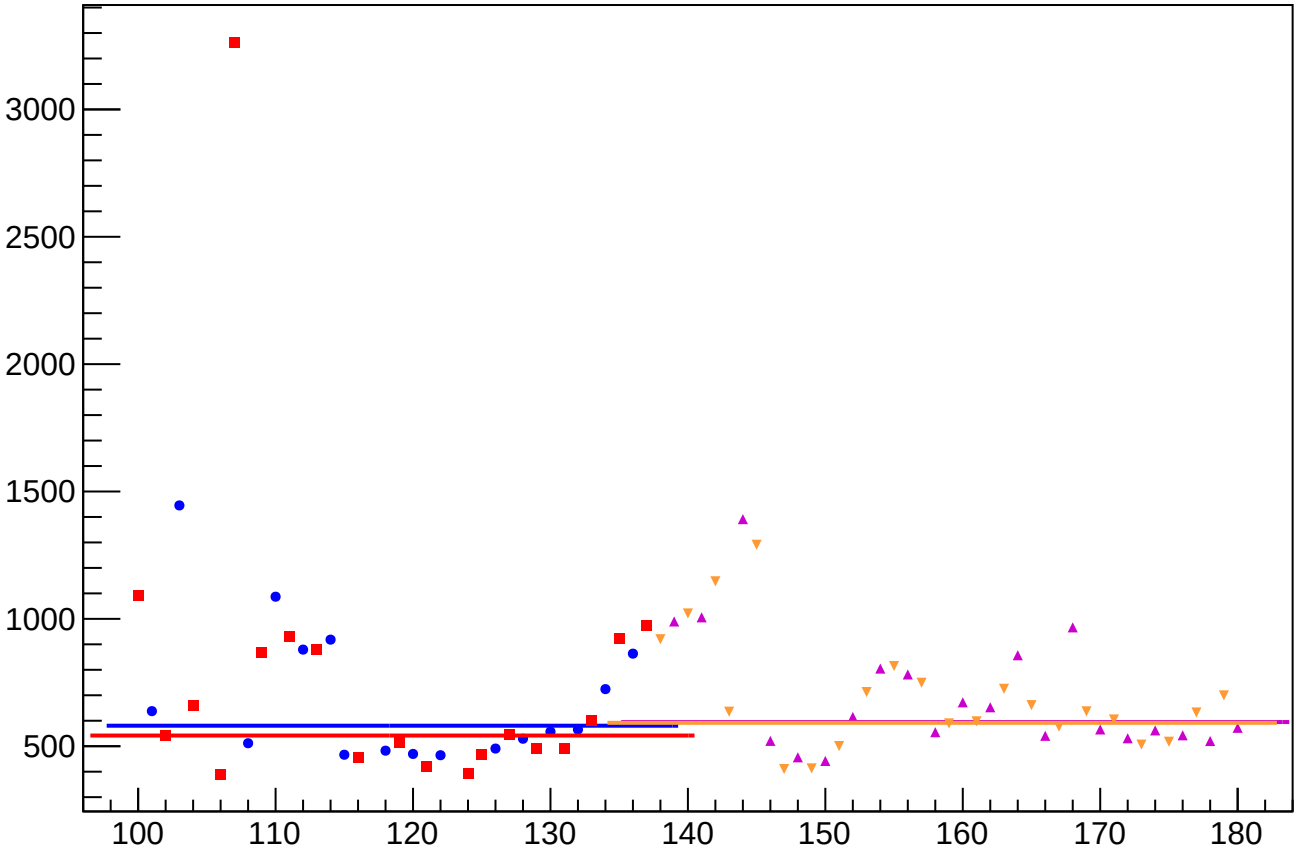
Left In: -59.674+/-149.569 χ^2/NDF:9.5/20

+ sign -189.987+/-124.556 χ^2/NDF: 51.4/37

All: -101.861+/-87.885 χ^2/NDF: 81.5/77

- 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: 591.888+/-0.105 χ^2/NDF:2261906.1/21

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

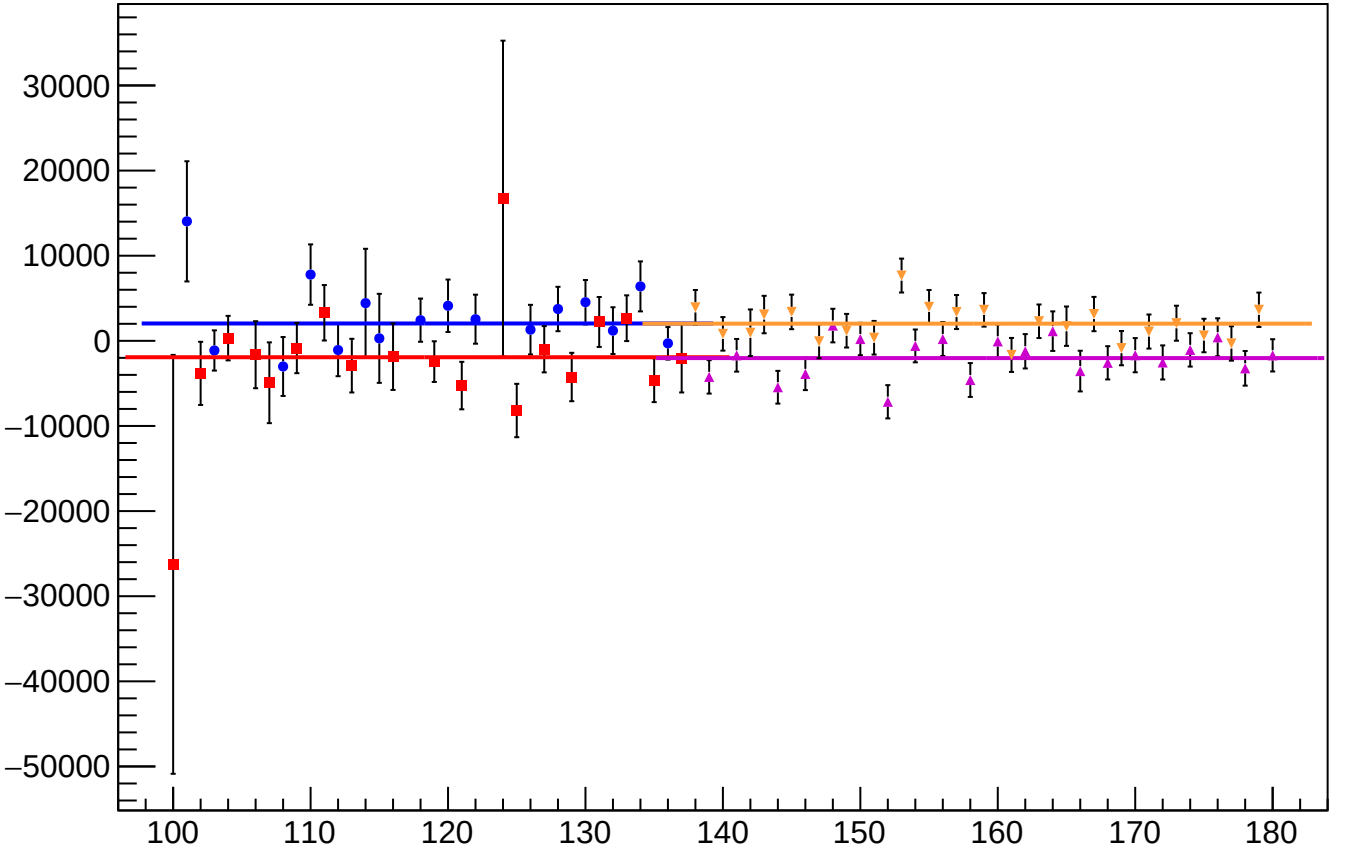
Left In: 594.916+/-0.106 χ^2/NDF:2243811.5/20

\+ sign 588.565+/-0.088 χ^2/NDF: 3268253.9/37

All: 583.442+/-0.062 χ^2/NDF: 6916045.5/77

\- 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: 2018.624+/-435.049 χ^2/NDF:22.7/21

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

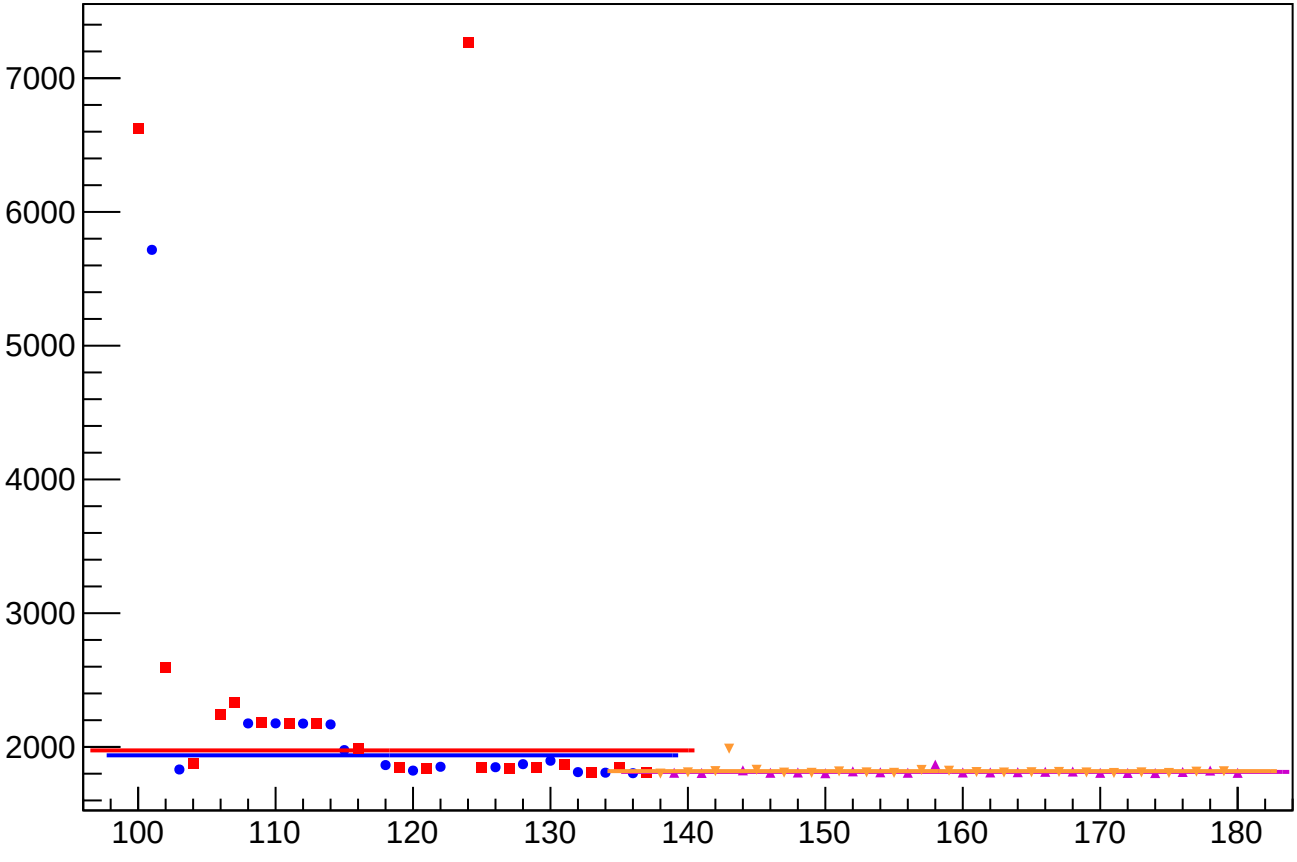
Left In: -2027.582+/-436.546 χ^2/NDF:26.3/20

+ sign 2023.857+/-374.542 χ^2/NDF: 39.2/37

All: 17.255+/-265.233 χ^2/NDF: 141.5/77

- 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: 1819.126+/-0.308 χ^2/NDF:12655.5/21

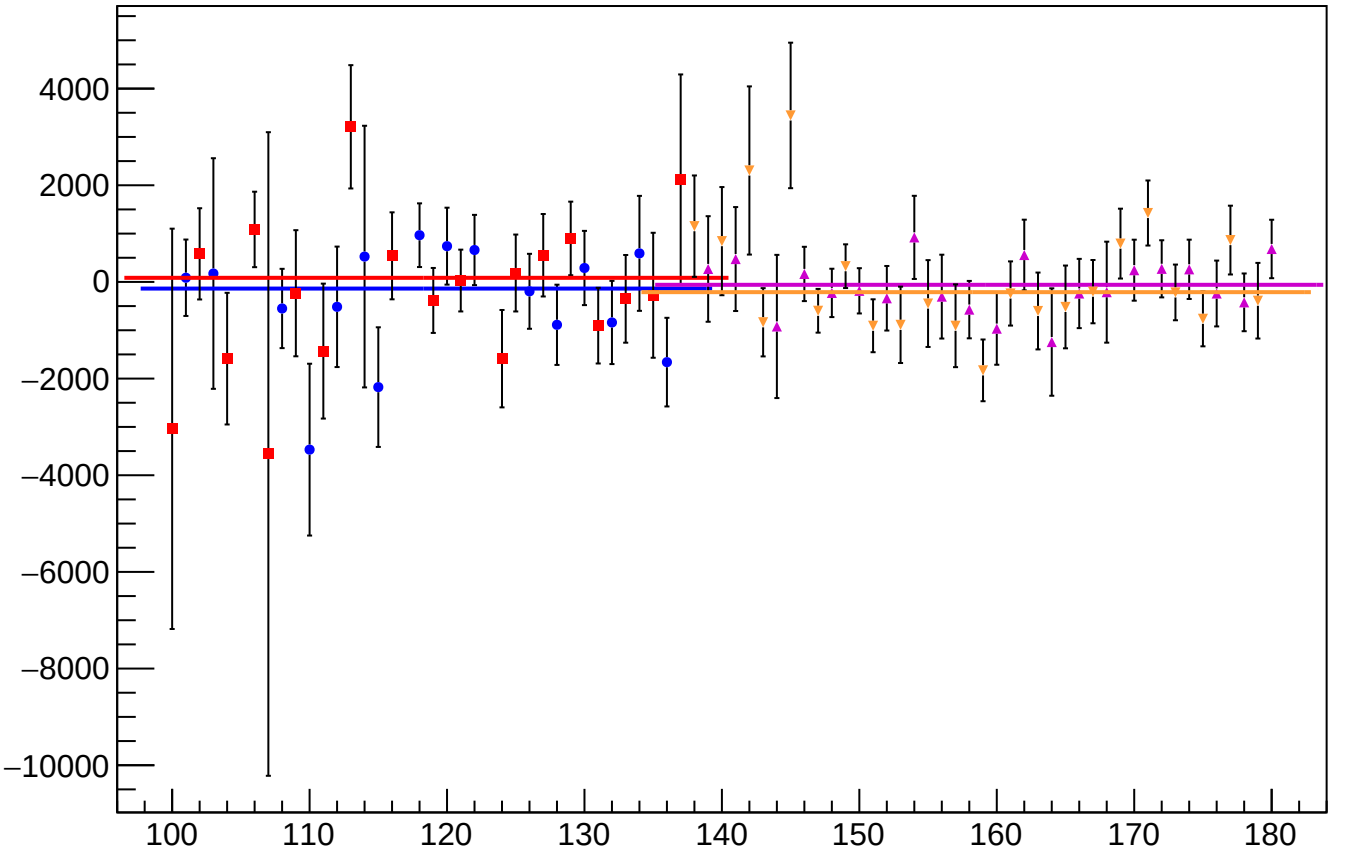
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.349+/-0.309 χ^2/NDF:1900.3/20

\+ sign 1849.699+/-0.265 χ^2/NDF: 688910.0/37

All: 1852.382+/-0.188 χ^2/NDF: 1141872.7/77

\- sign 1855.080+/-0.266 χ^2/NDF: 452757.0/39



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -211.670+/-148.061 χ^2/NDF:34.5/21

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

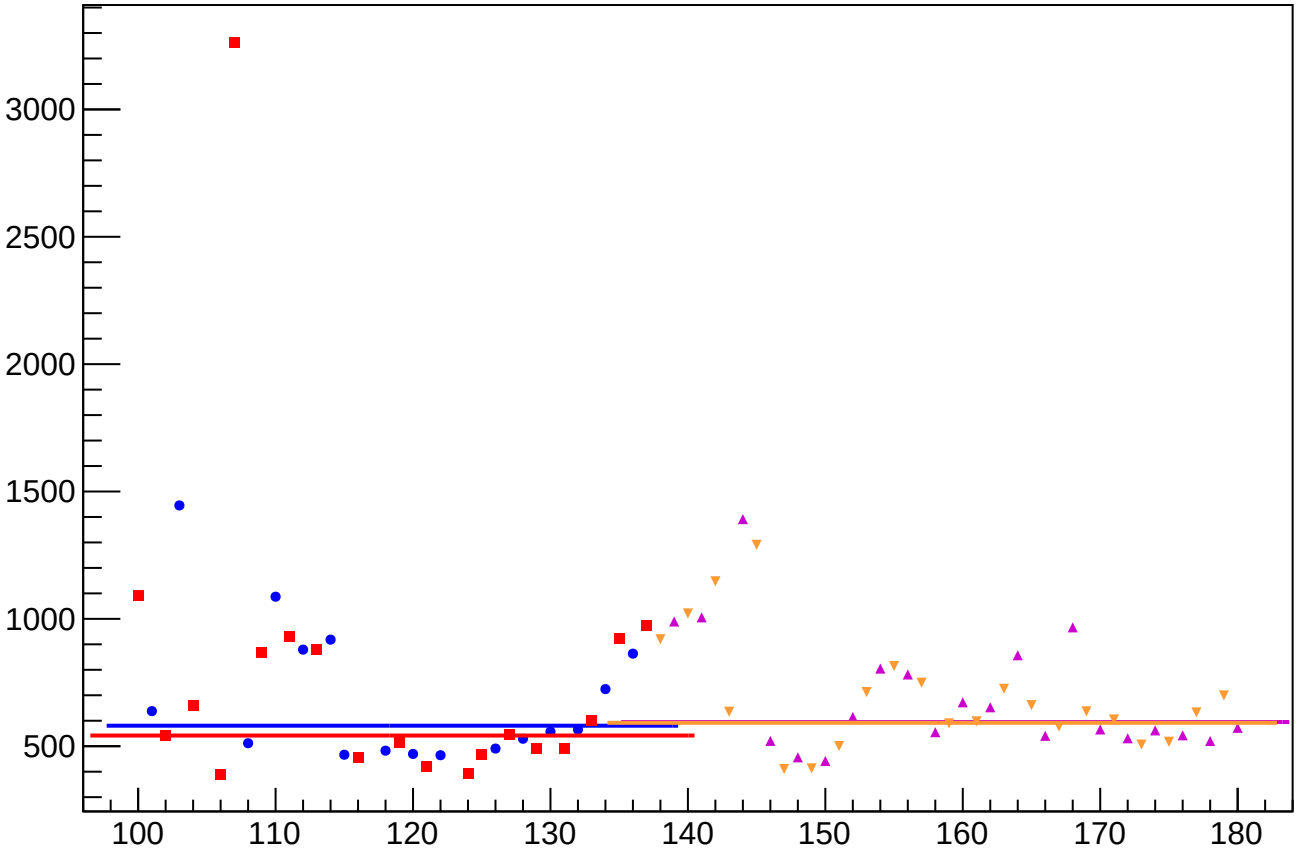
Left In: -59.674+/-149.569 χ^2/NDF:9.5/20

+ sign -189.987+/-124.556 χ^2/NDF: 51.4/37

All: -101.861+/-87.885 χ^2/NDF: 81.5/77

- 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: 591.888+/-0.105 χ^2/NDF:2261906.1/21

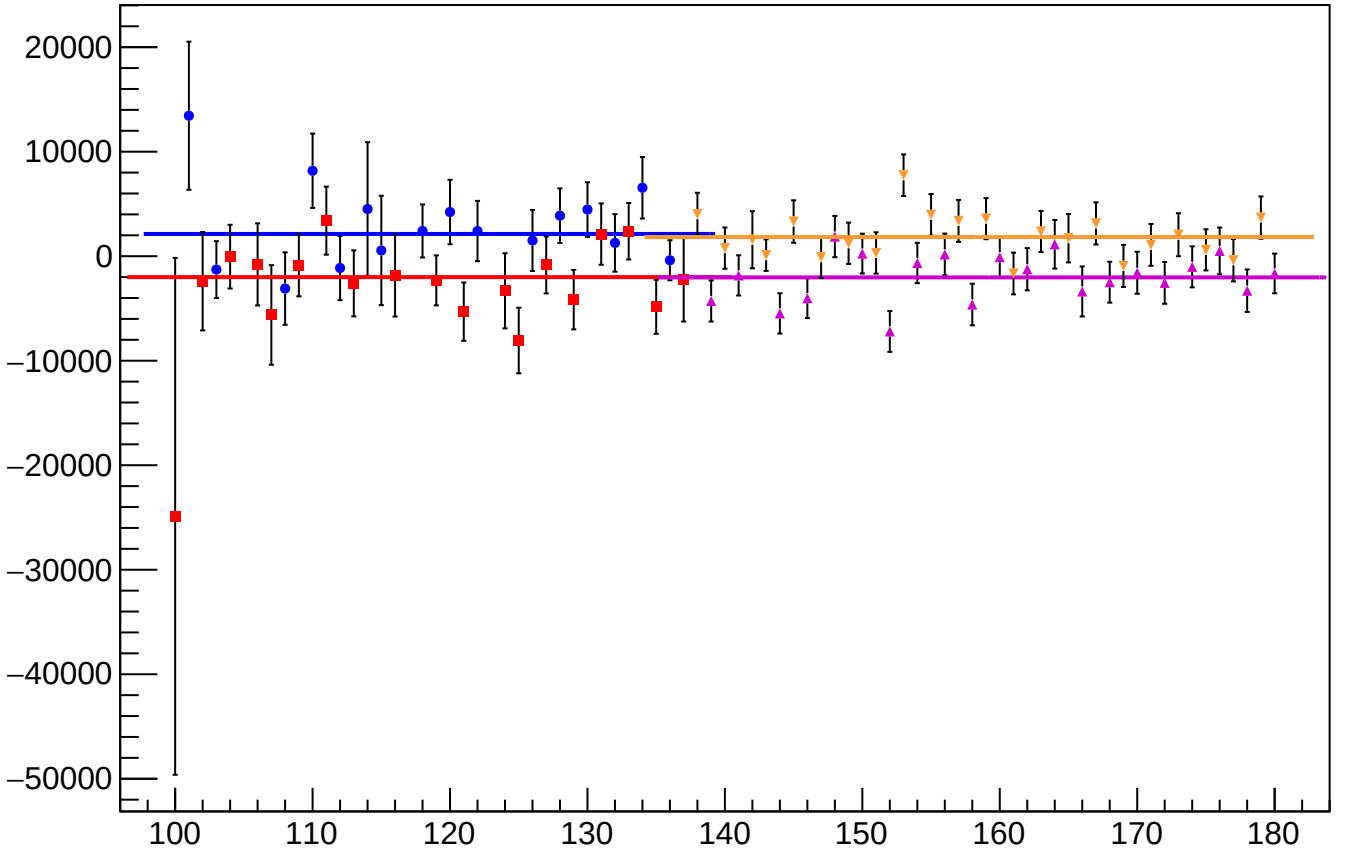
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 594.916+/-0.106 χ^2/NDF:2243811.5/20

+ sign 588.565+/-0.088 χ^2/NDF: 3268253.9/37

All: 583.442+/-0.062 χ^2/NDF: 6916045.5/77

- 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: 1832.426+/-426.232 χ^2/NDF:24.3/21

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

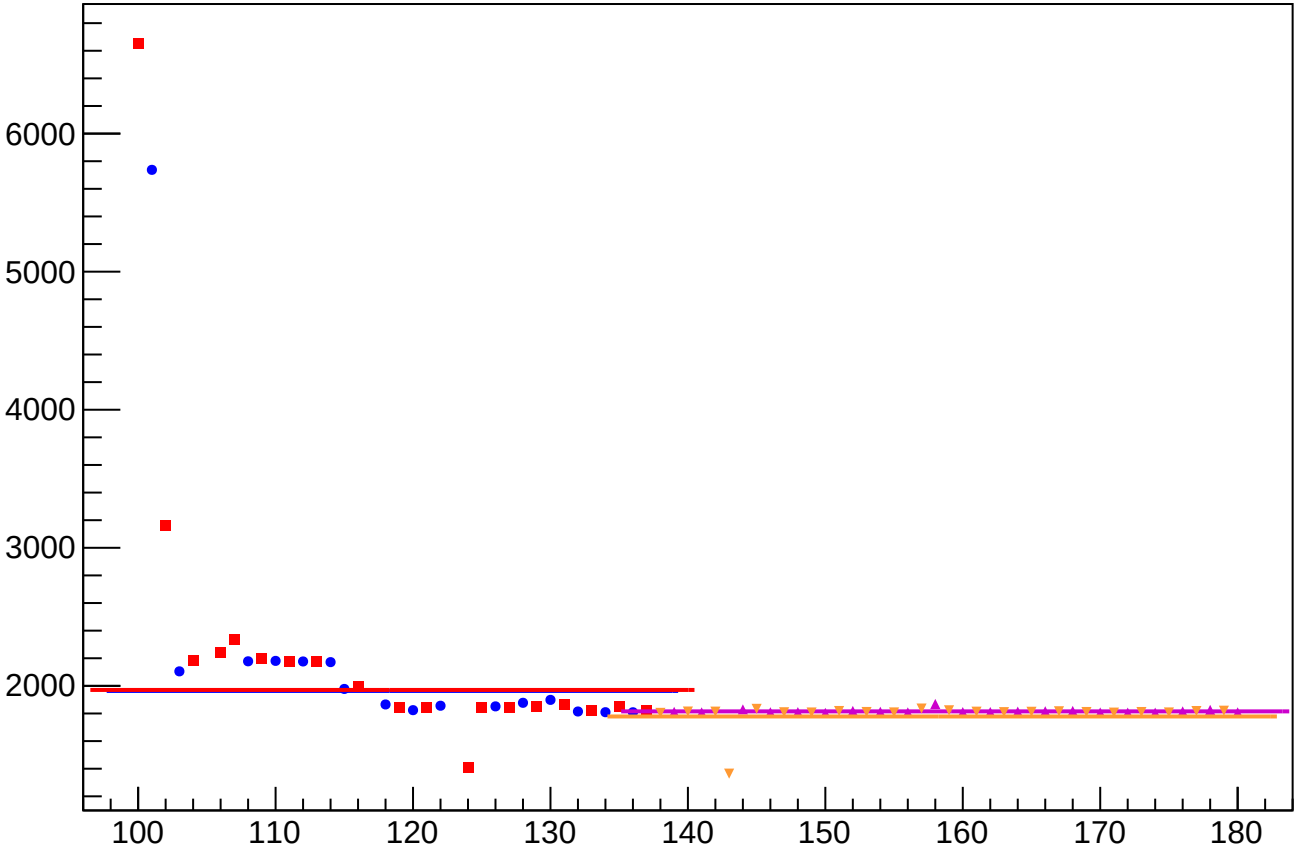
Left In: -2028.059+/-437.015 χ^2/NDF:26.8/20

+ sign 1905.318+/-370.114 χ^2/NDF: 40.9/37

All: -27.429+/-263.741 χ^2/NDF: 139.8/77

- 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: 1778.356+/-0.301 χ^2/NDF:164145.7/21

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

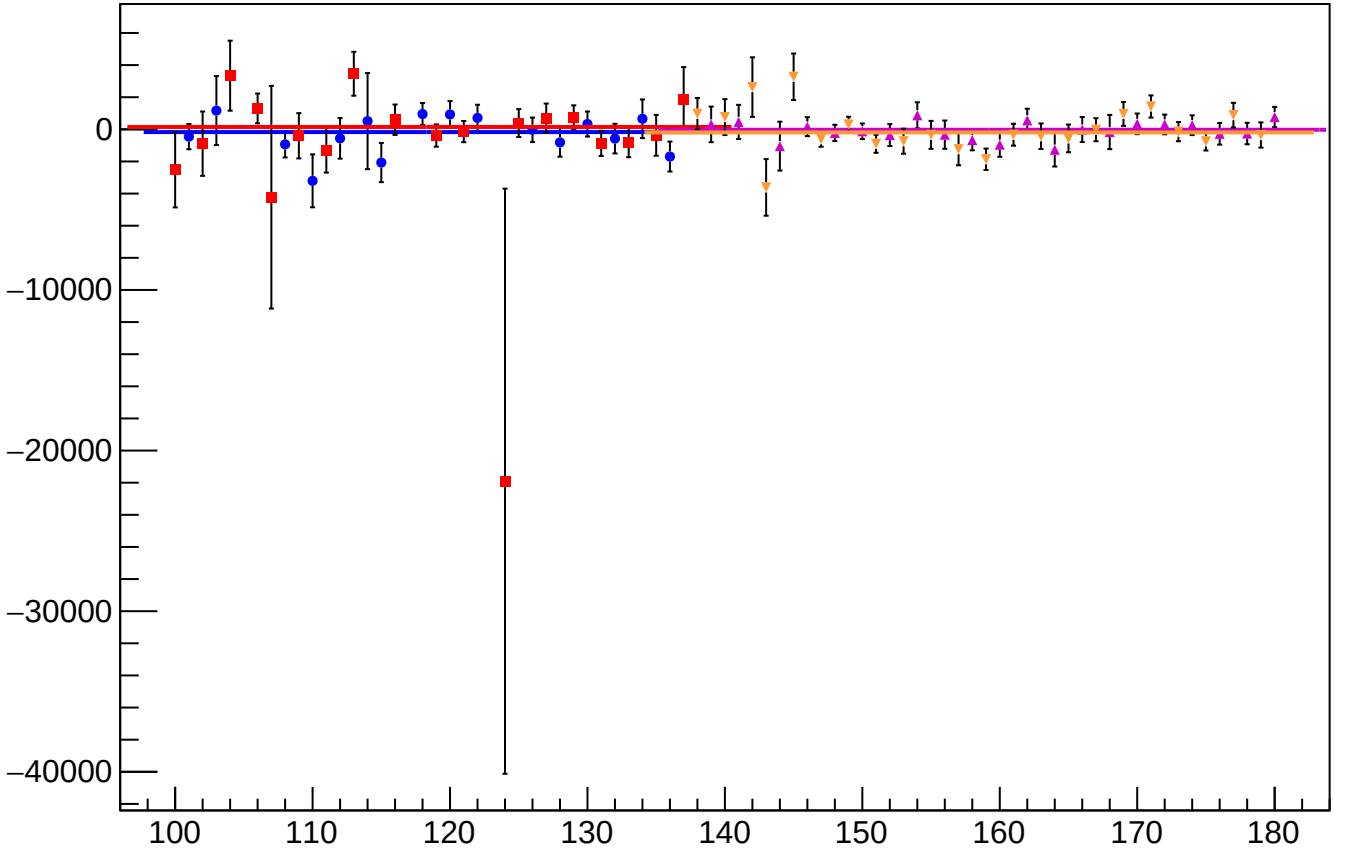
Left In: 1815.282+/-0.309 χ^2/NDF:1969.6/20

+ sign 1823.878+/-0.262 χ^2/NDF: 897139.9/37

All: 1839.509+/-0.186 χ^2/NDF: 1317063.5/77

- 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: -192.183+/-155.659 χ^2/NDF:36.5/21

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

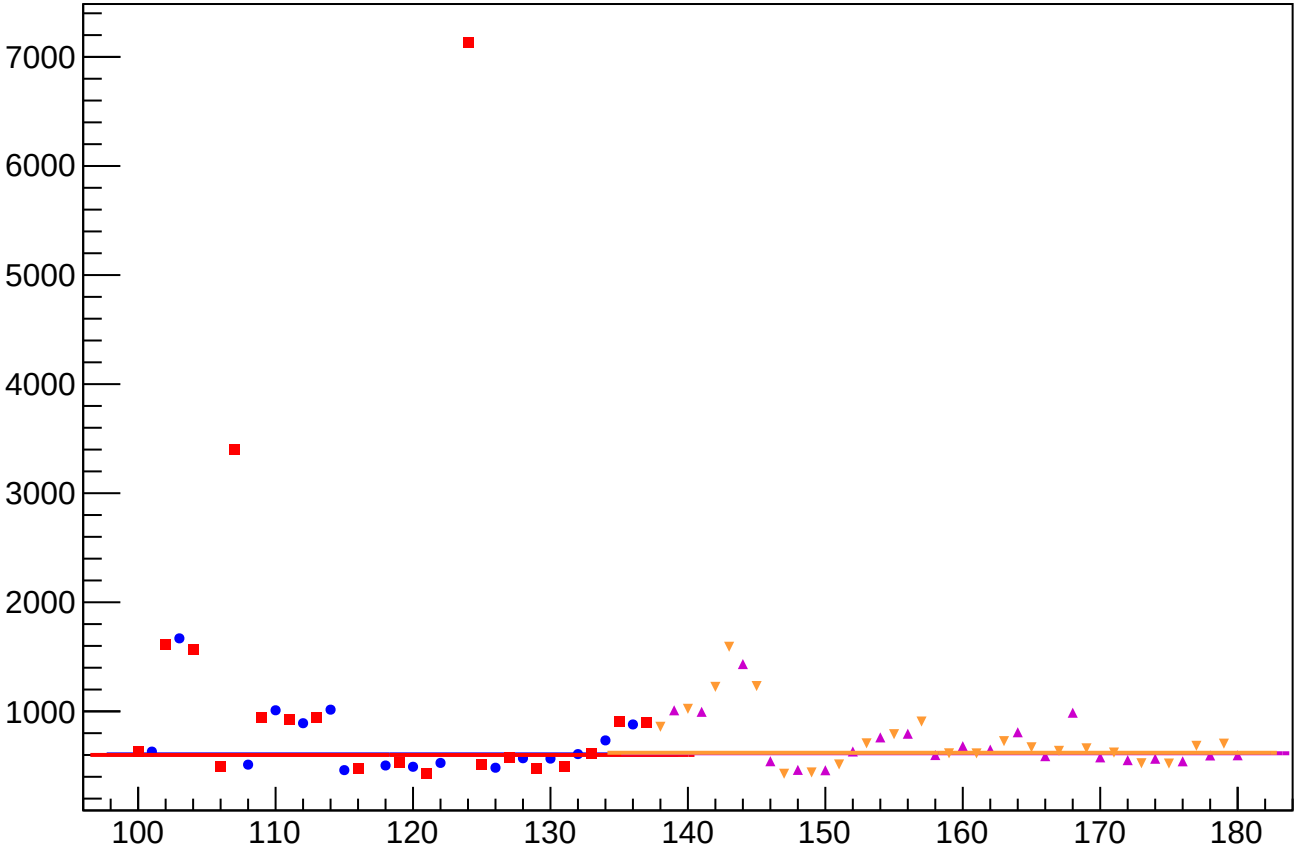
Left In: -26.039+/-153.748 χ^2/NDF:9.9/20

+ sign -185.727+/-130.092 χ^2/NDF: 53.7/37

All: -80.905+/-91.922 χ^2/NDF: 85.4/77

- 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: 620.285+/-0.110 χ^2/NDF:2701823.3/21

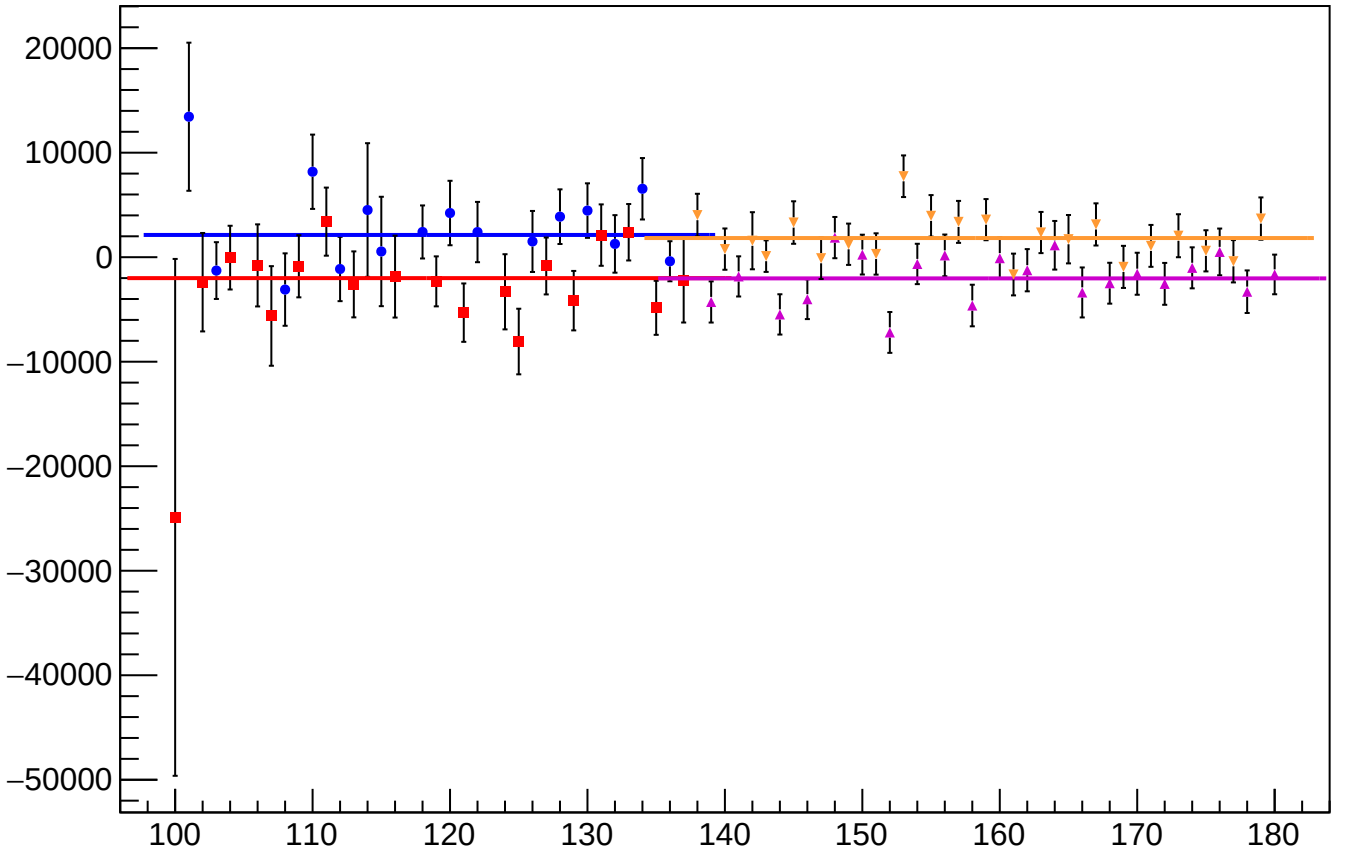
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 615.660+/-0.109 χ^2/NDF:2053442.6/20

\+ sign 615.806+/-0.092 χ^2/NDF: 3869770.6/37

All: 613.553+/-0.065 χ^2/NDF: 8258537.7/77

\- 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: 1832.427+/-426.232 χ^2/NDF:24.3/21

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

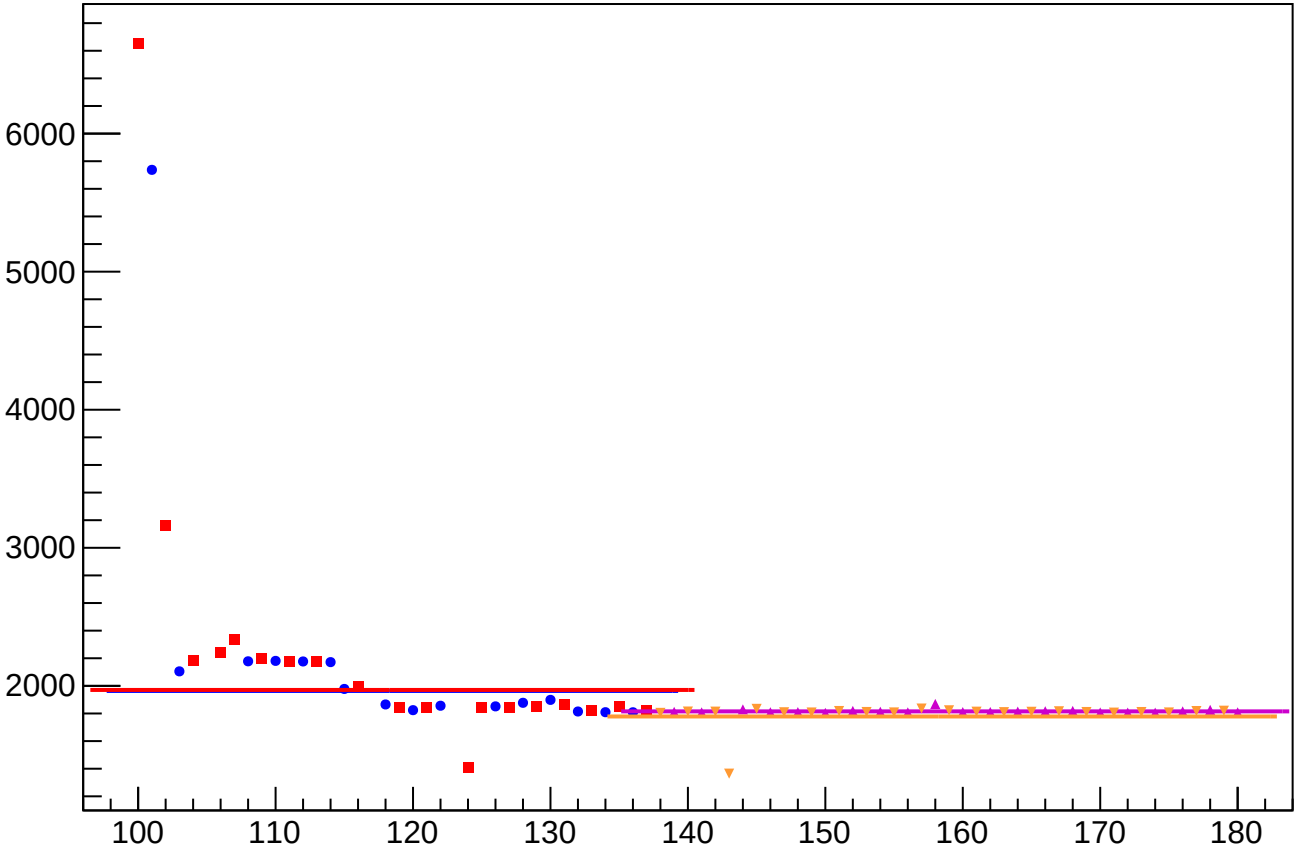
Left In: -2028.059+/-437.015 χ^2/NDF:26.8/20

+ sign 1905.317+/-370.114 χ^2/NDF: 40.9/37

All: -27.429+/-263.741 χ^2/NDF: 139.8/77

- 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: 1778.356+/-0.301 χ^2/NDF:164145.7/21

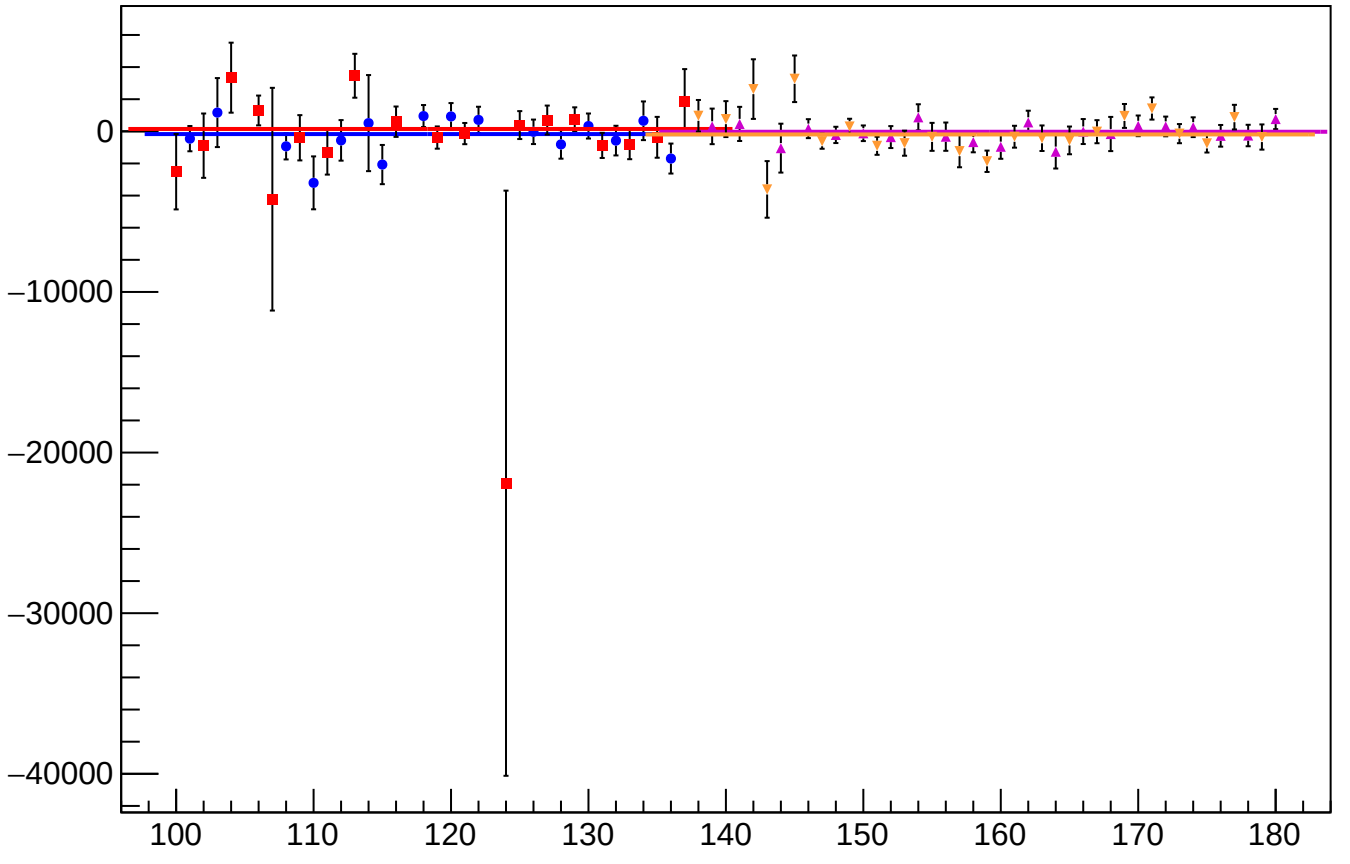
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.282+/-0.309 χ^2/NDF:1969.6/20

+ sign 1823.878+/-0.262 χ^2/NDF: 897139.3/37

All: 1839.509+/-0.186 χ^2/NDF: 1317061.5/77

- 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: -192.183+/-155.659 χ^2/NDF:36.5/21

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

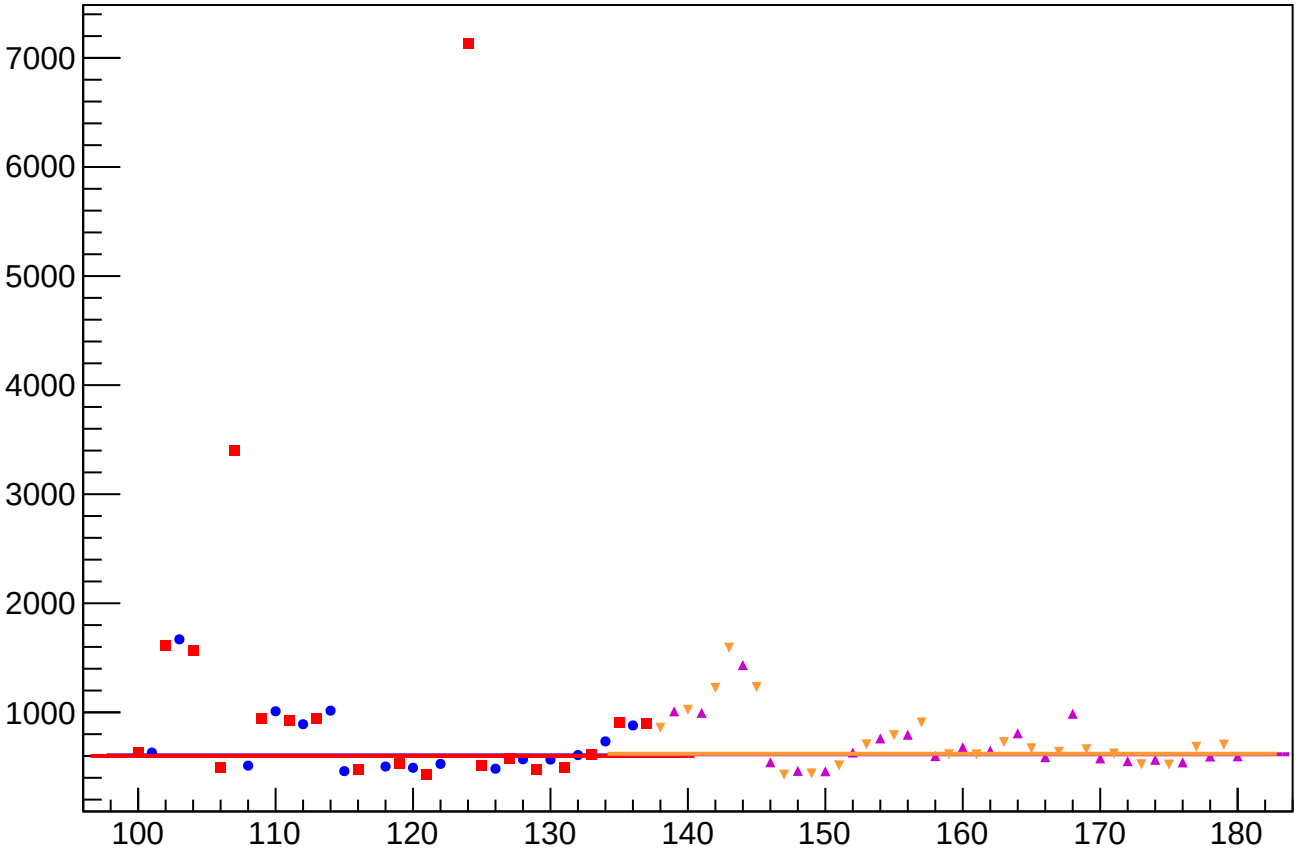
Left In: -26.039+/-153.748 χ^2/NDF:9.9/20

+ sign -185.727+/-130.092 χ^2/NDF: 53.7/37

All: -80.905+/-91.922 χ^2/NDF: 85.4/77

- 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: 620.286+/-0.110 χ^2/NDF:2701815.9/21

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

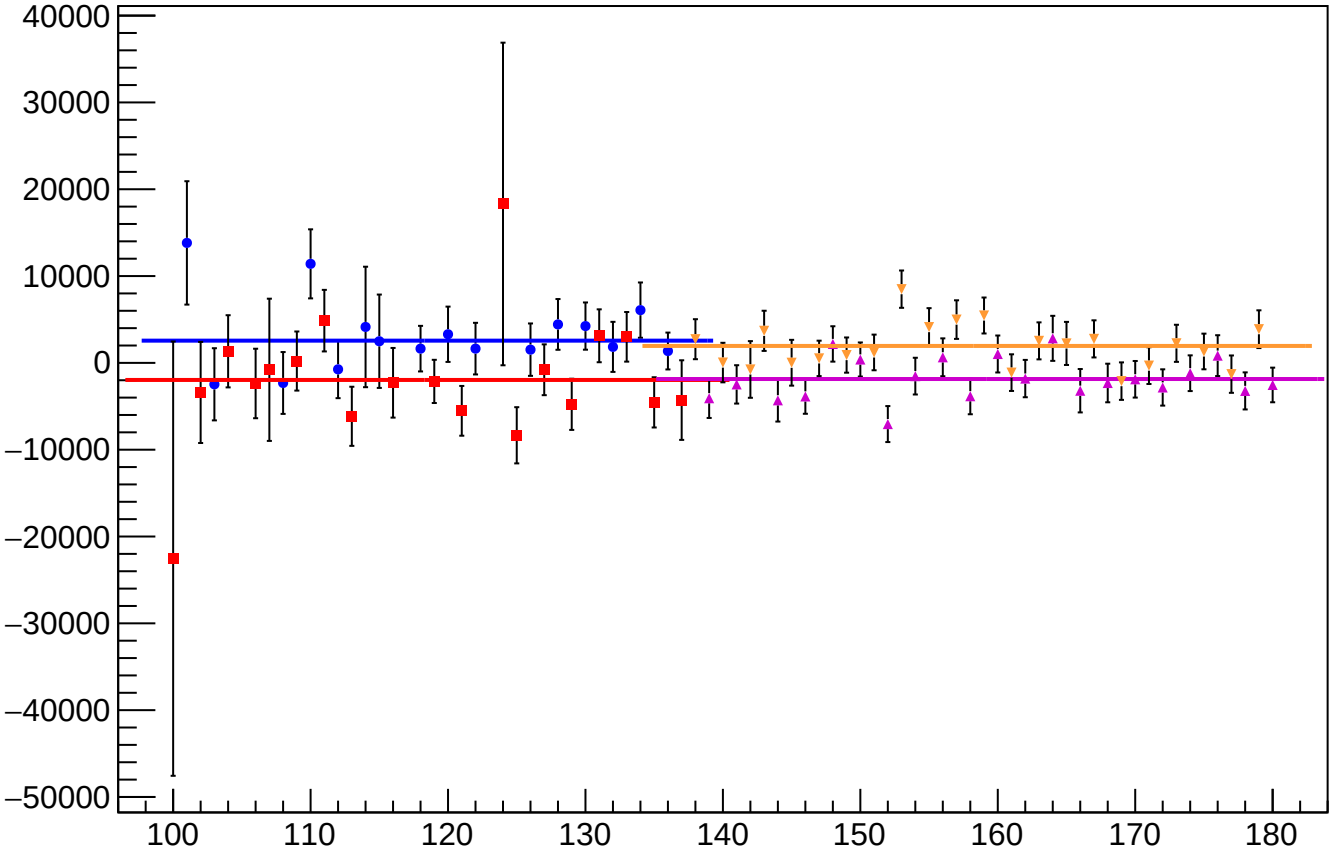
Left In: 615.661+/-0.109 χ^2/NDF:2053438.6/20

\+ sign 615.806+/-0.092 χ^2/NDF: 3869772.7/37

All: 613.553+/-0.065 χ^2/NDF: 8258545.0/77

\- 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: 1952.038+/-469.507 χ^2/NDF:28.7/21

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

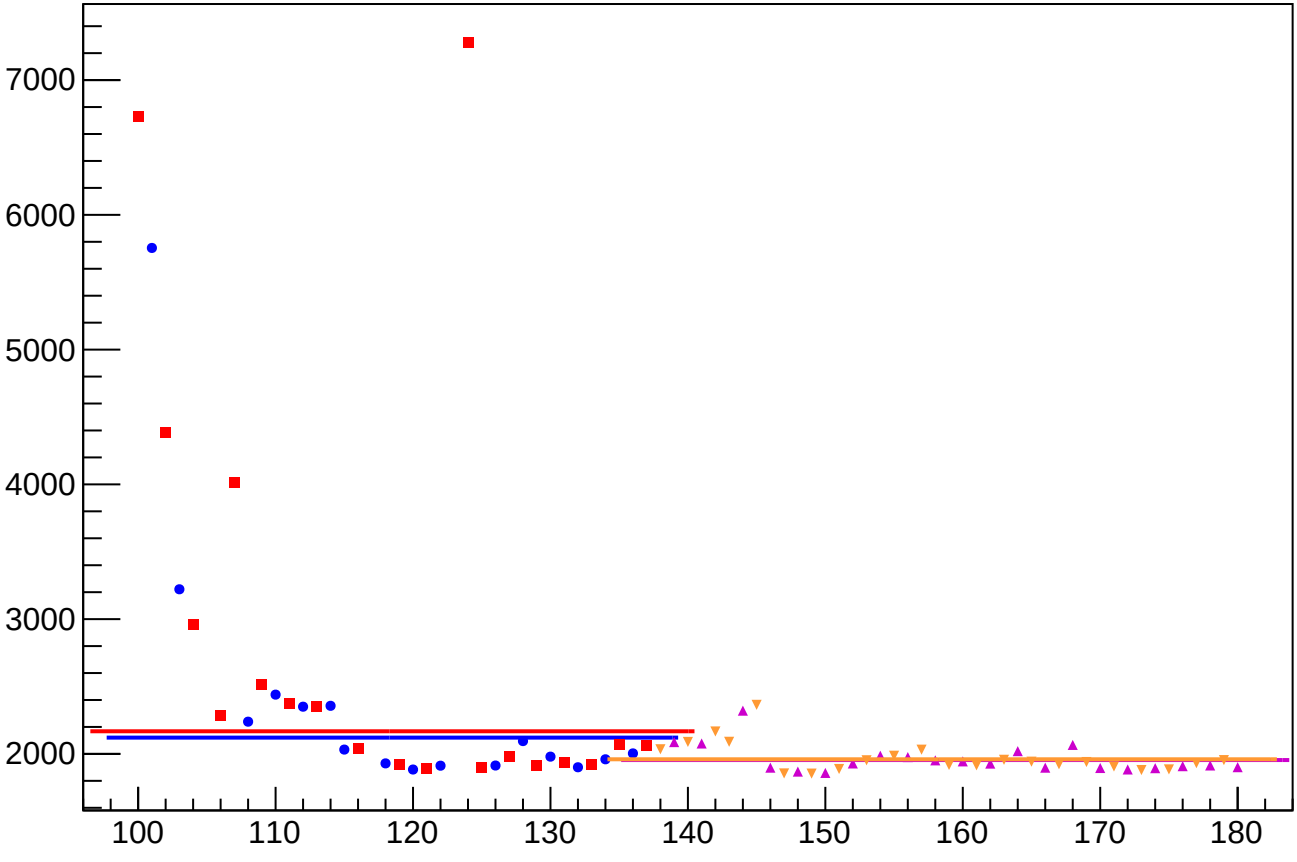
Left In: -1857.866+/-471.194 χ^2/NDF:24.4/20

+ sign 2105.273+/-406.159 χ^2/NDF: 43.7/37

All: 121.155+/-287.988 χ^2/NDF: 137.7/77

- 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: 1959.967+/-0.332 χ^2/NDF:95066.8/21

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

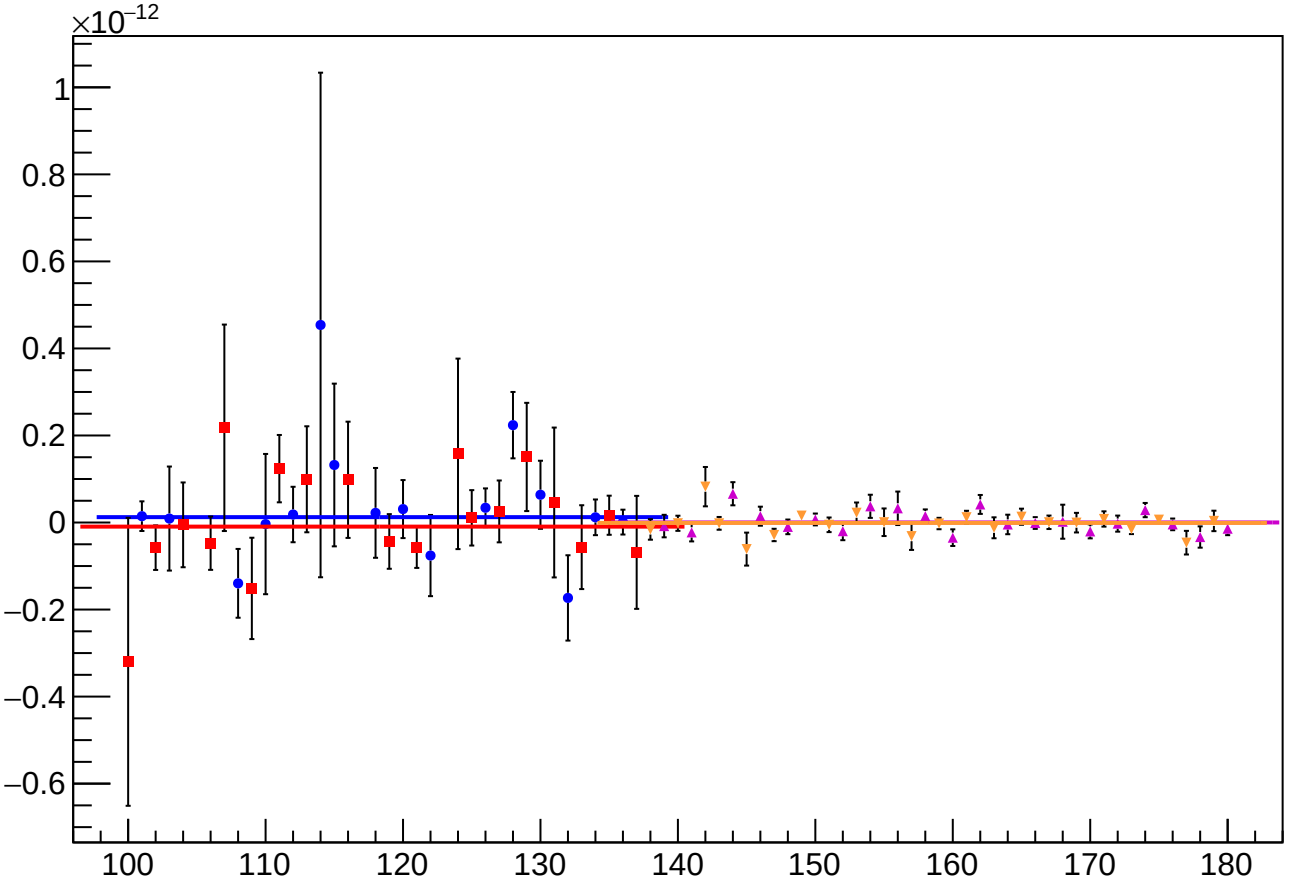
Left In: 1954.305+/-0.333 χ^2/NDF:84814.8/20

+ sign 2000.434+/-0.287 χ^2/NDF: 914078.1/37

All: 2003.910+/-0.204 χ^2/NDF: 1925289.4/77

- 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:21.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

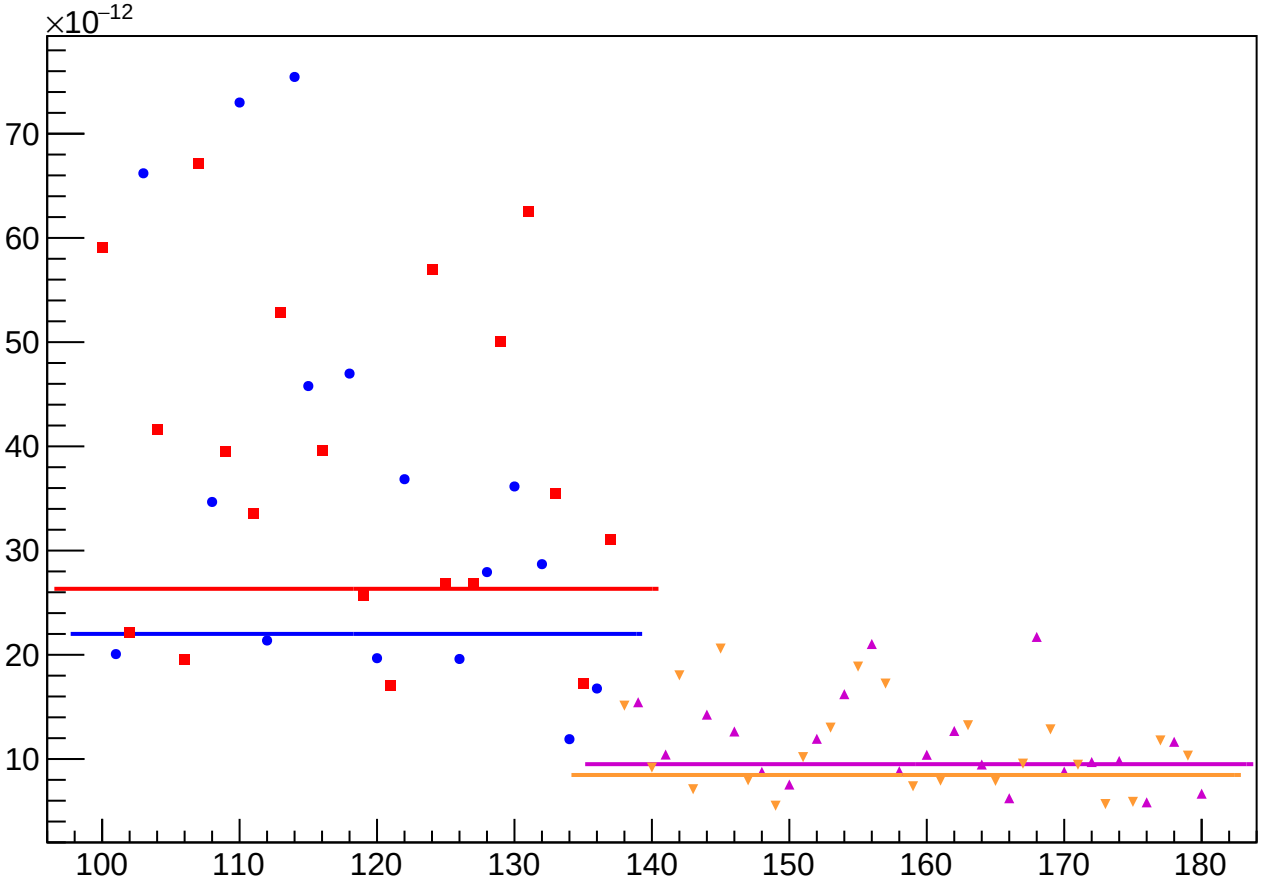
Left In: 0.000+/-0.000 χ^2/NDF:27.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/37

All: -0.000+/-0.000 χ^2/NDF: 81.2/77

- 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:1577582.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

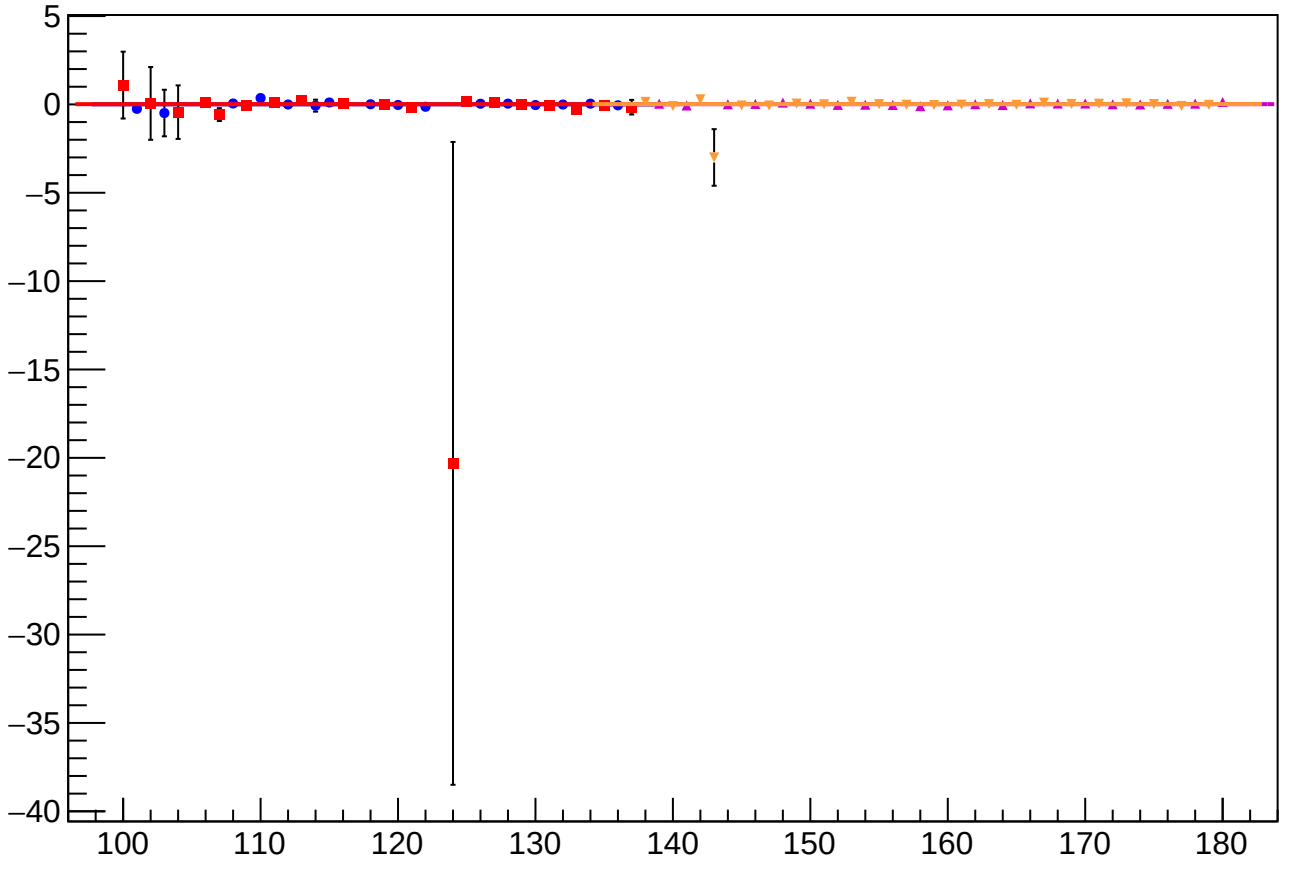
Left In: 0.000+/-0.000 χ^2/NDF:1199547.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 4204361.8/37

All: 0.000+/-0.000 χ^2/NDF: 7851665.2/77

- 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: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

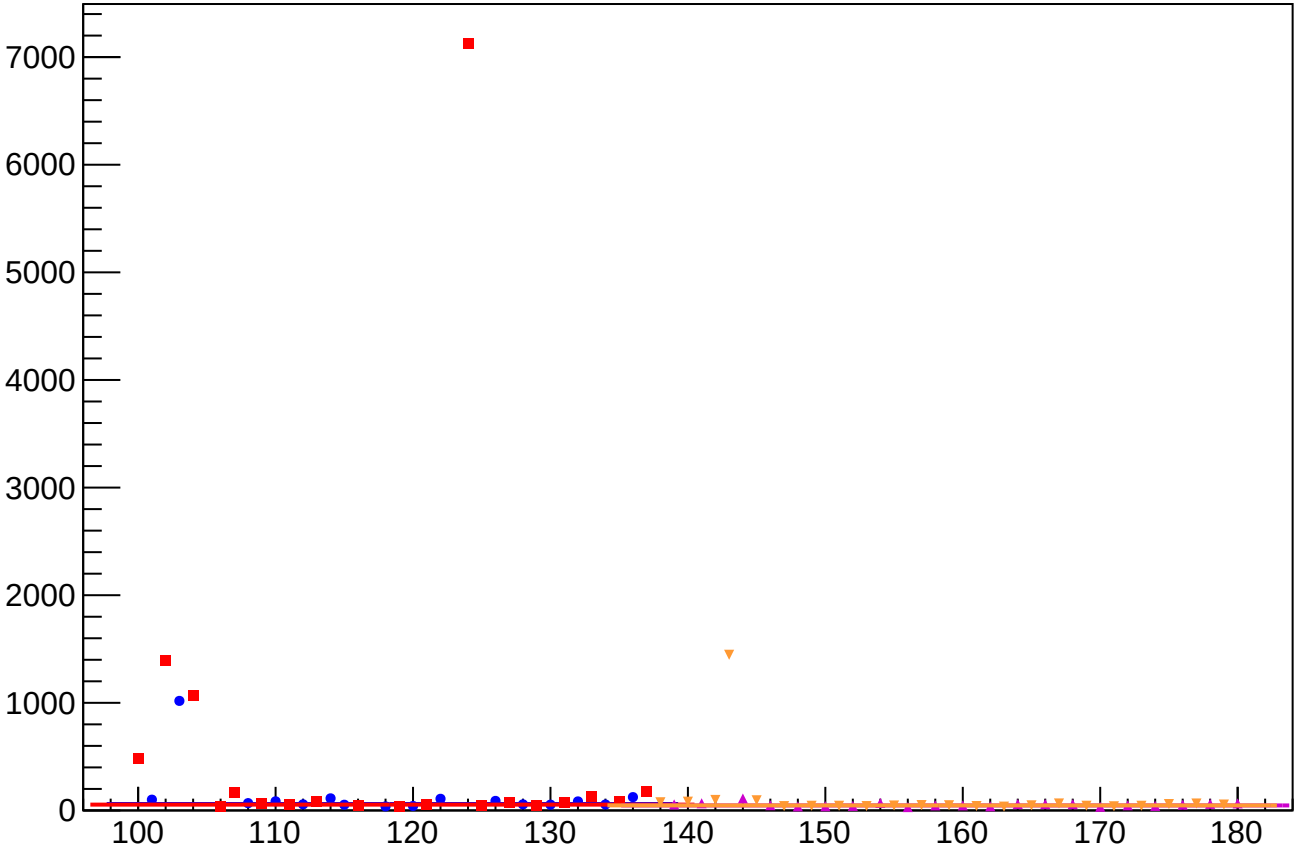
Left In: 0.013+/-0.013 χ^2/NDF:17.8/20

+ sign 0.014+/-0.012 χ^2/NDF: 38.9/37

All: 0.014+/-0.008 χ^2/NDF: 74.3/77

- 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: 47.141+/-0.009 χ^2/NDF:3194788.6/21

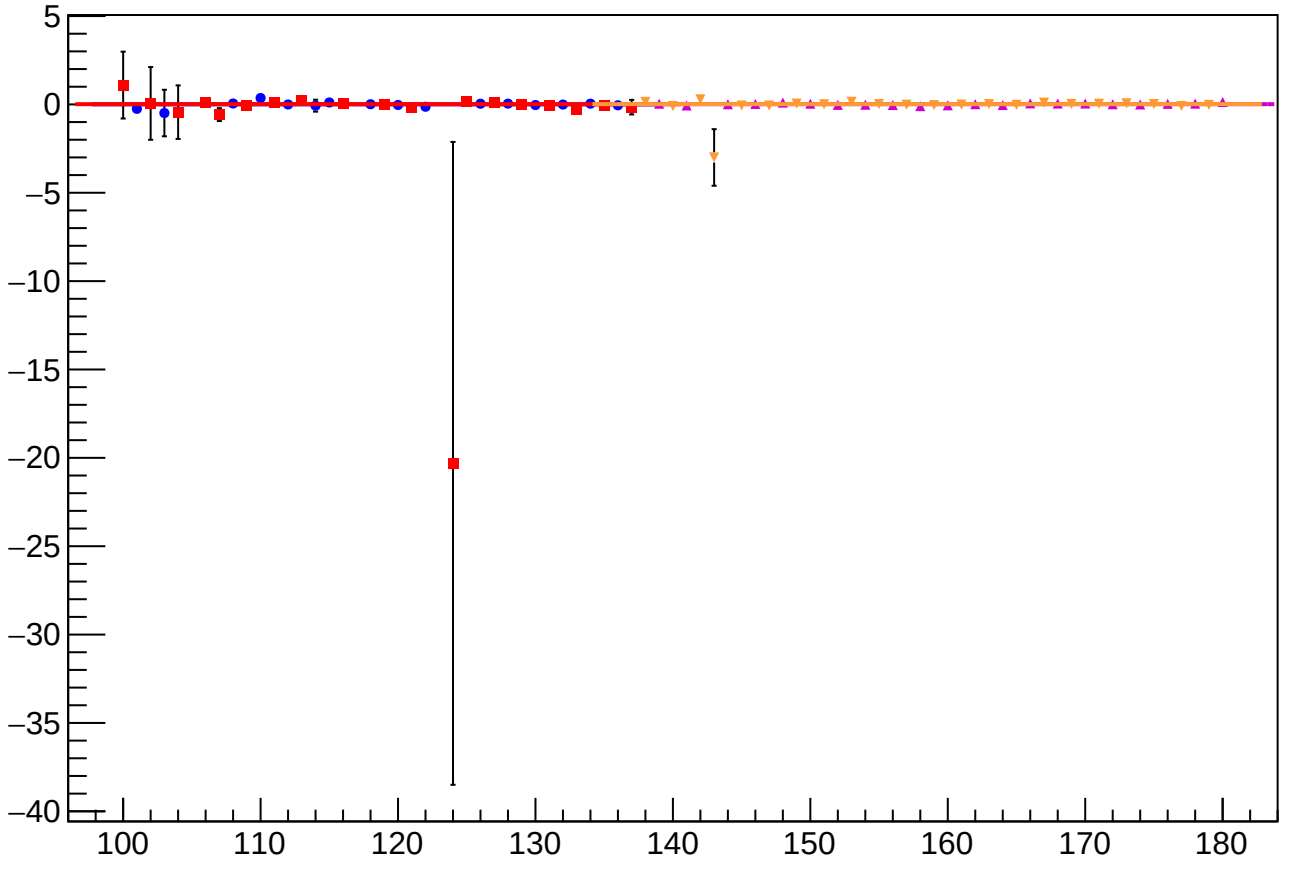
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.648+/-0.009 χ^2/NDF:1945409.9/20

+ sign 49.550+/-0.008 χ^2/NDF: 6099751.3/37

All: 48.816+/-0.006 χ^2/NDF: 11722136.5/77

- 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: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

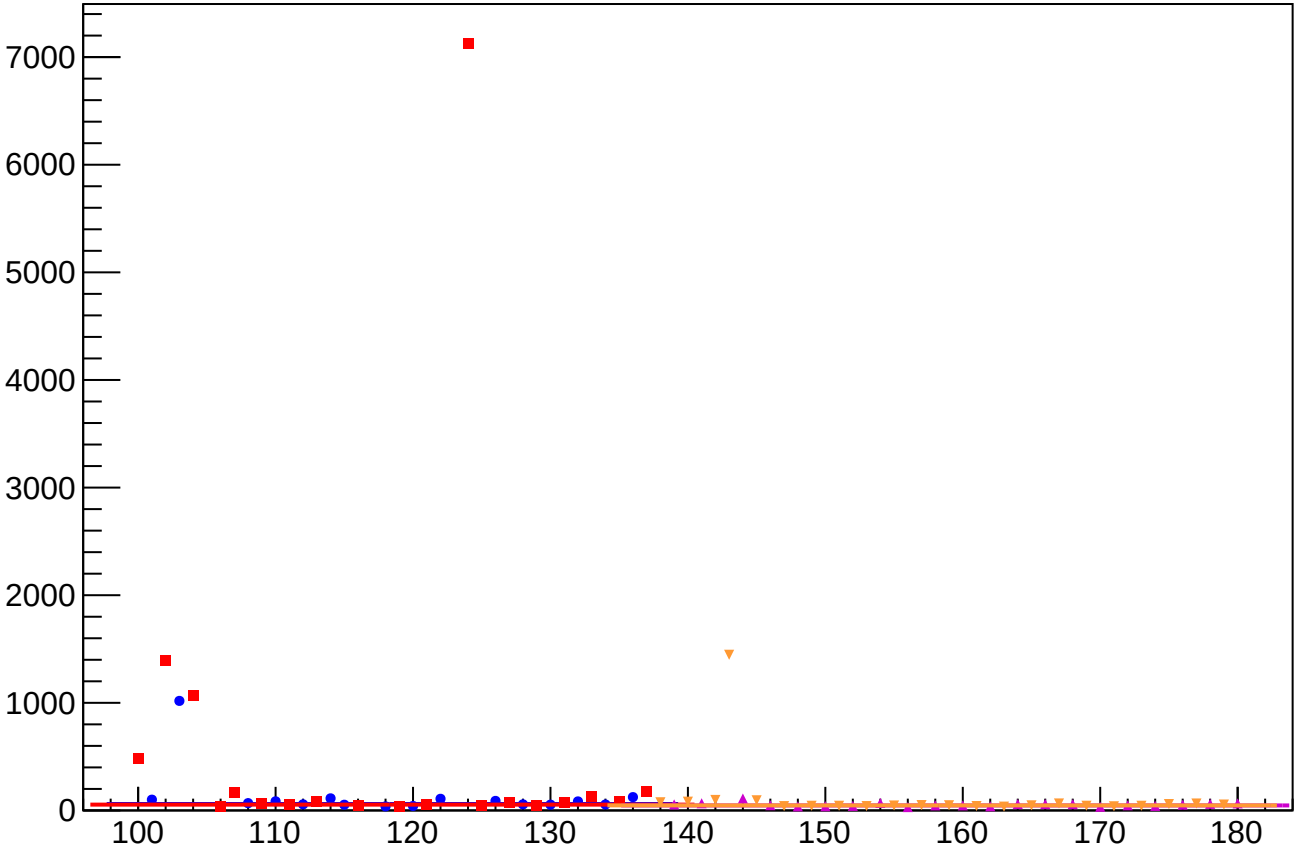
Left In: 0.013+/-0.013 χ^2/NDF:17.8/20

+ sign 0.014+/-0.012 χ^2/NDF: 38.9/37

All: 0.014+/-0.008 χ^2/NDF: 74.3/77

- 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: 47.141+/-0.009 χ^2/NDF:3194788.6/21

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

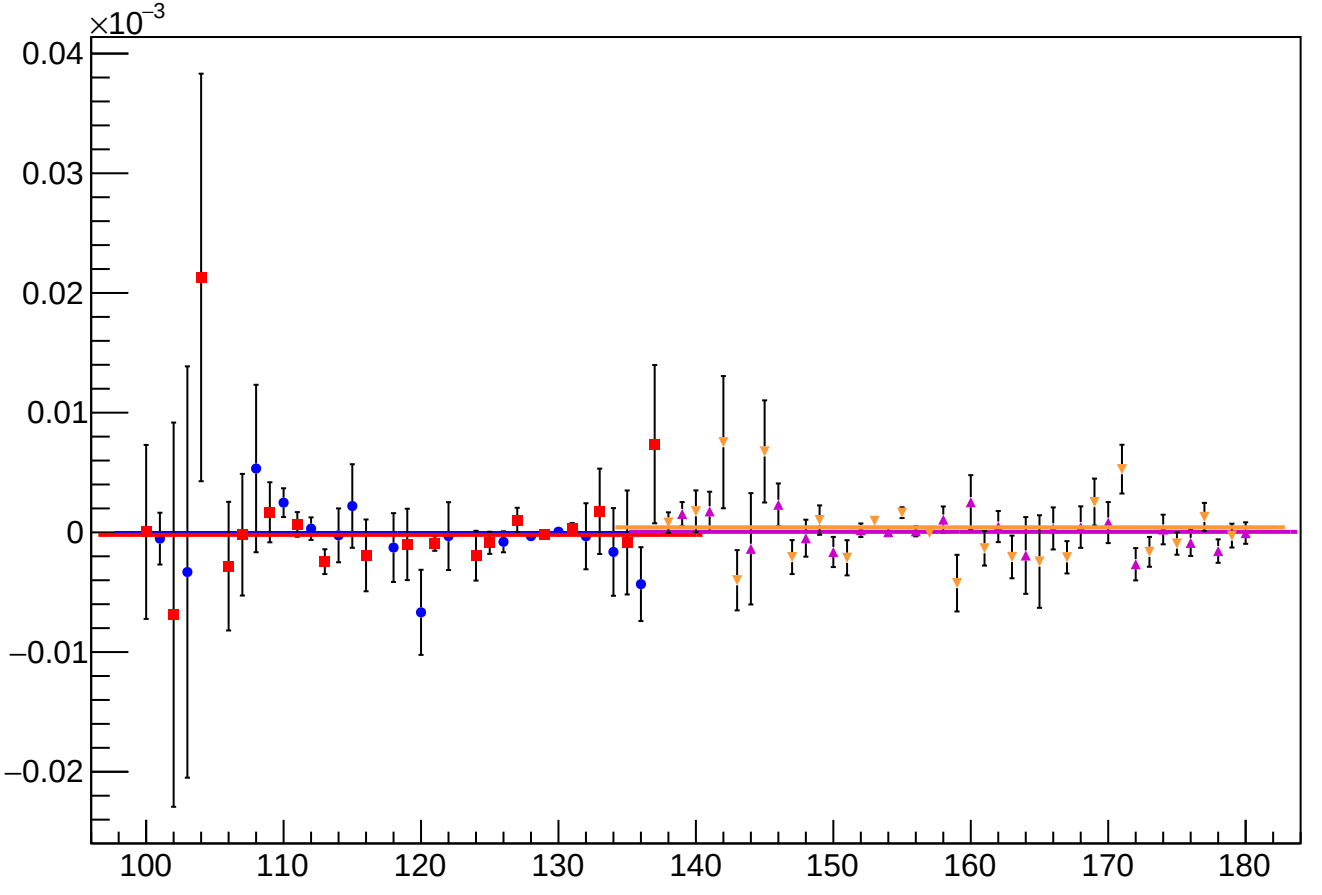
Left In: 46.648+/-0.009 χ^2/NDF:1945409.9/20

+ sign 49.550+/-0.008 χ^2/NDF: 6099751.3/37

All: 48.816+/-0.006 χ^2/NDF: 11722136.5/77

- 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:48.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

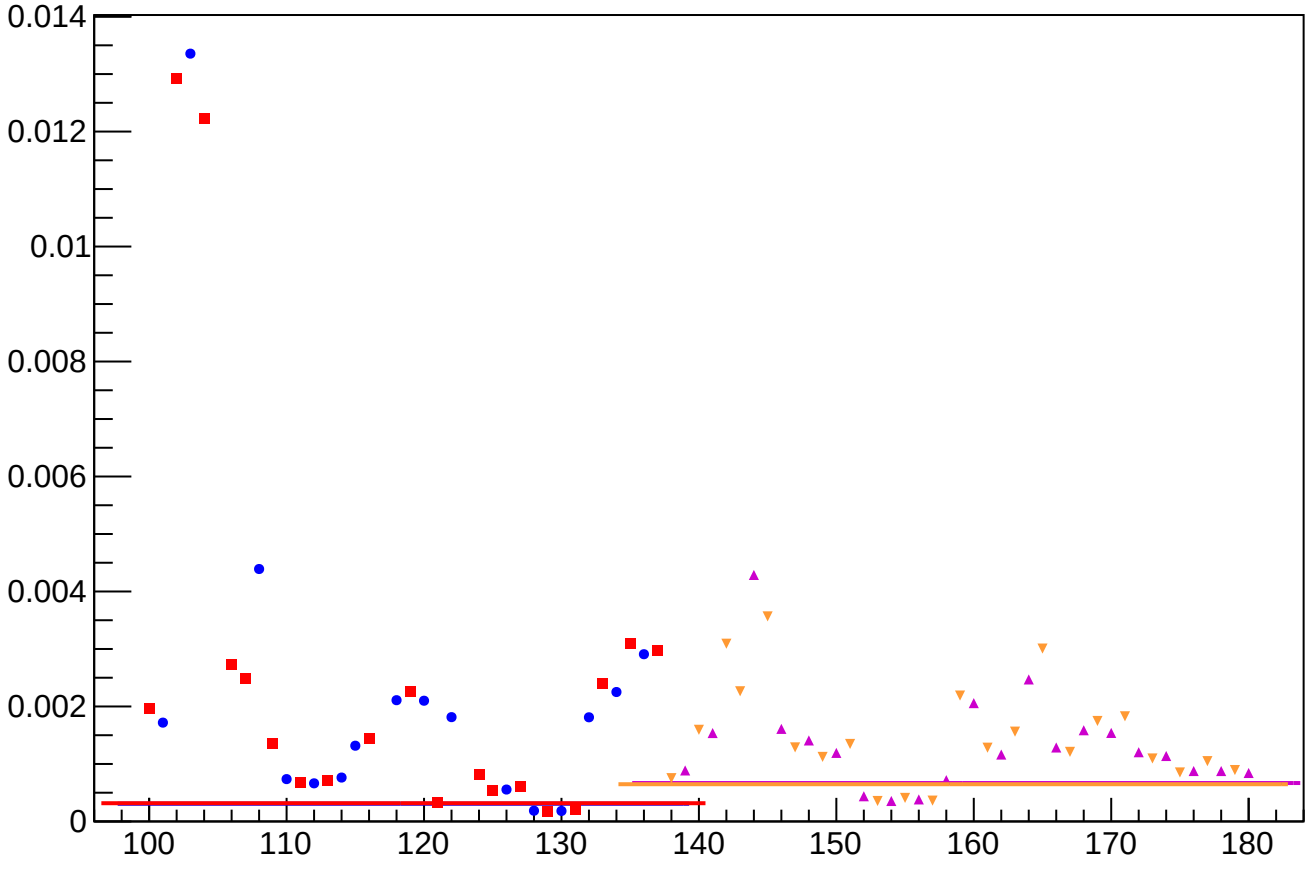
Left In: 0.000+/-0.000 χ^2/NDF:17.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/37

All: 0.000+/-0.000 χ^2/NDF: 100.5/77

- 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:11494889.2/21

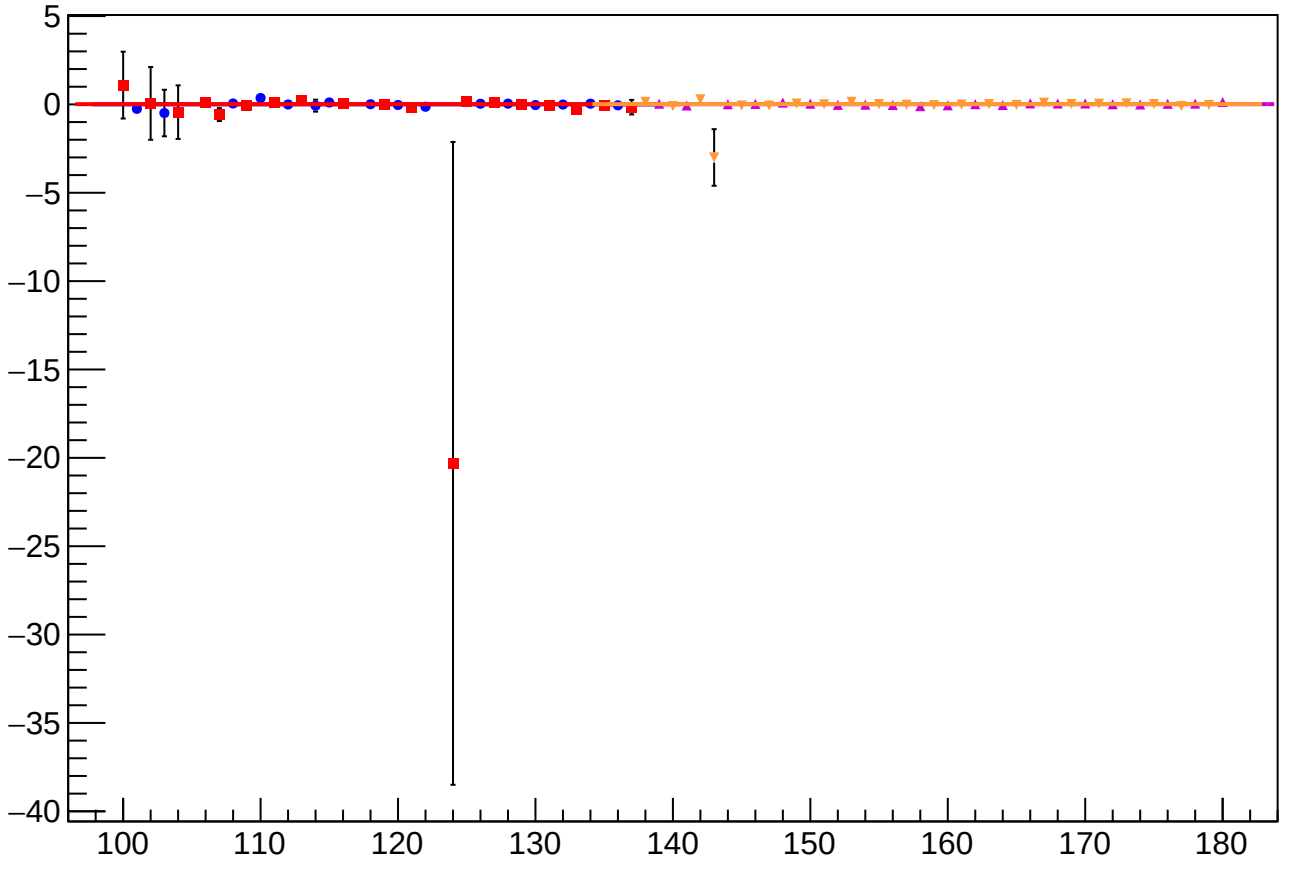
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9667555.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 23337911.4/37

All: 0.000+/-0.000 χ^2/NDF: 44245120.6/77

- 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: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

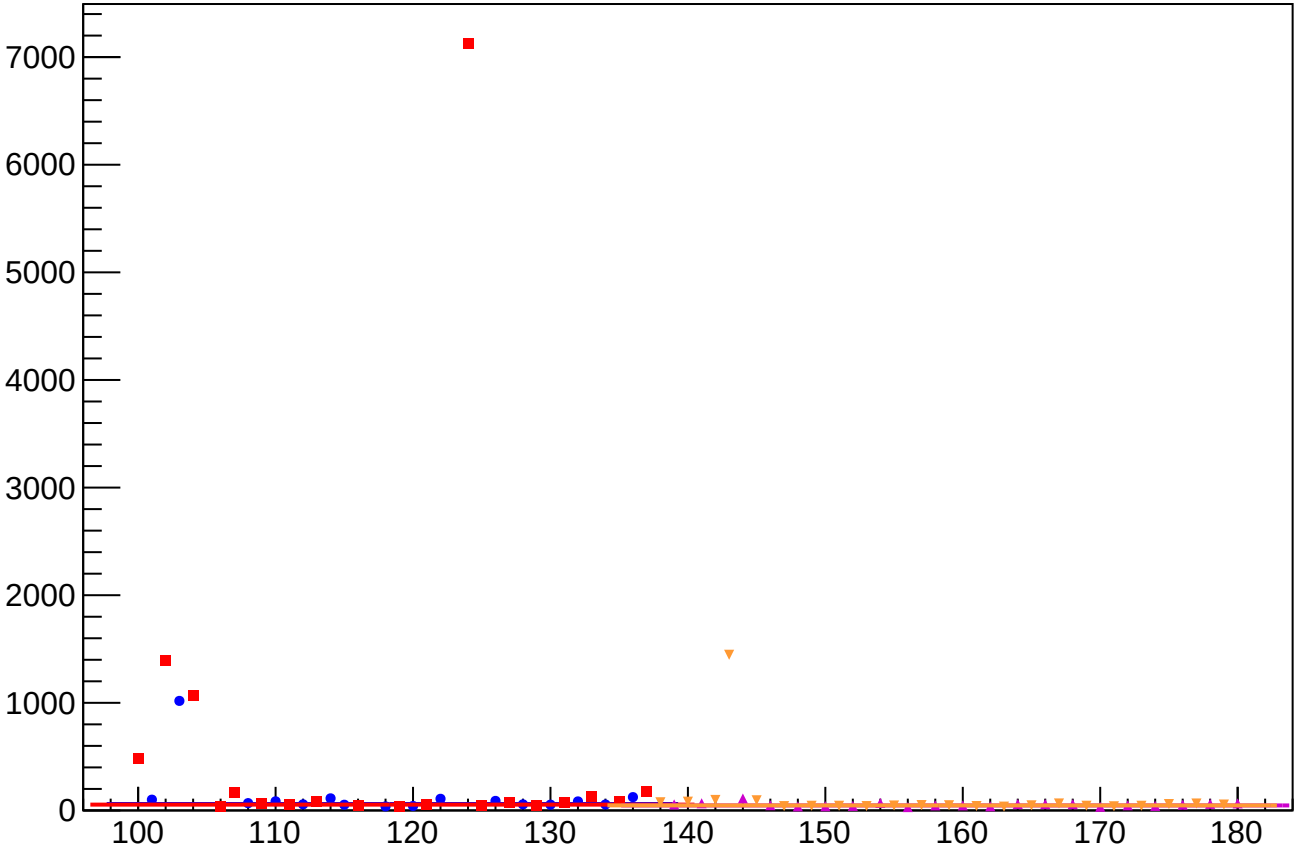
Left In: 0.013+/-0.013 χ^2/NDF:17.8/20

+ sign 0.014+/-0.012 χ^2/NDF: 38.9/37

All: 0.014+/-0.008 χ^2/NDF: 74.3/77

- 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: 47.141+/-0.009 χ^2/NDF:3194767.4/21

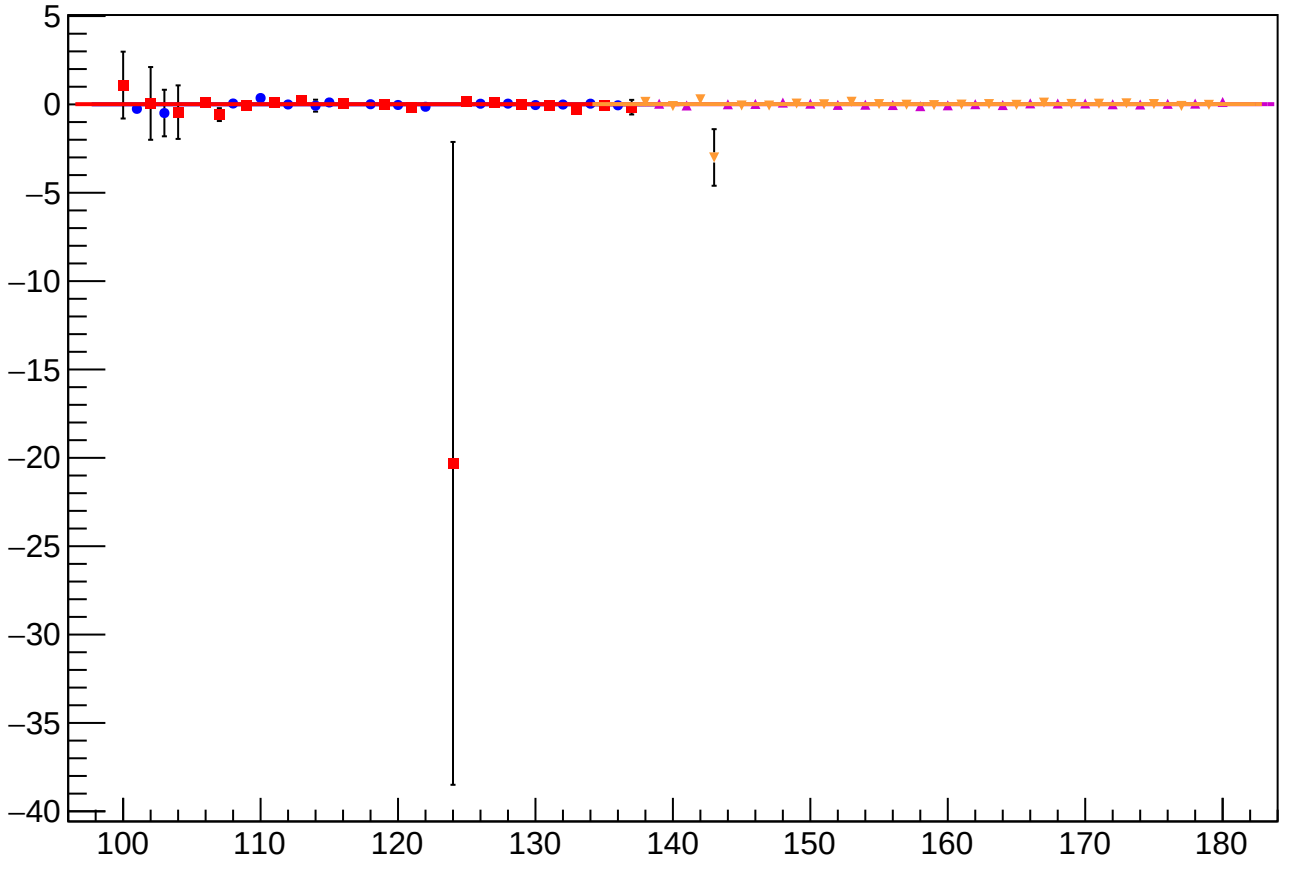
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.648+/-0.009 χ^2/NDF:1945404.4/20

+ sign 49.550+/-0.008 χ^2/NDF: 6099720.7/37

All: 48.816+/-0.006 χ^2/NDF: 11722132.8/77

- 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: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

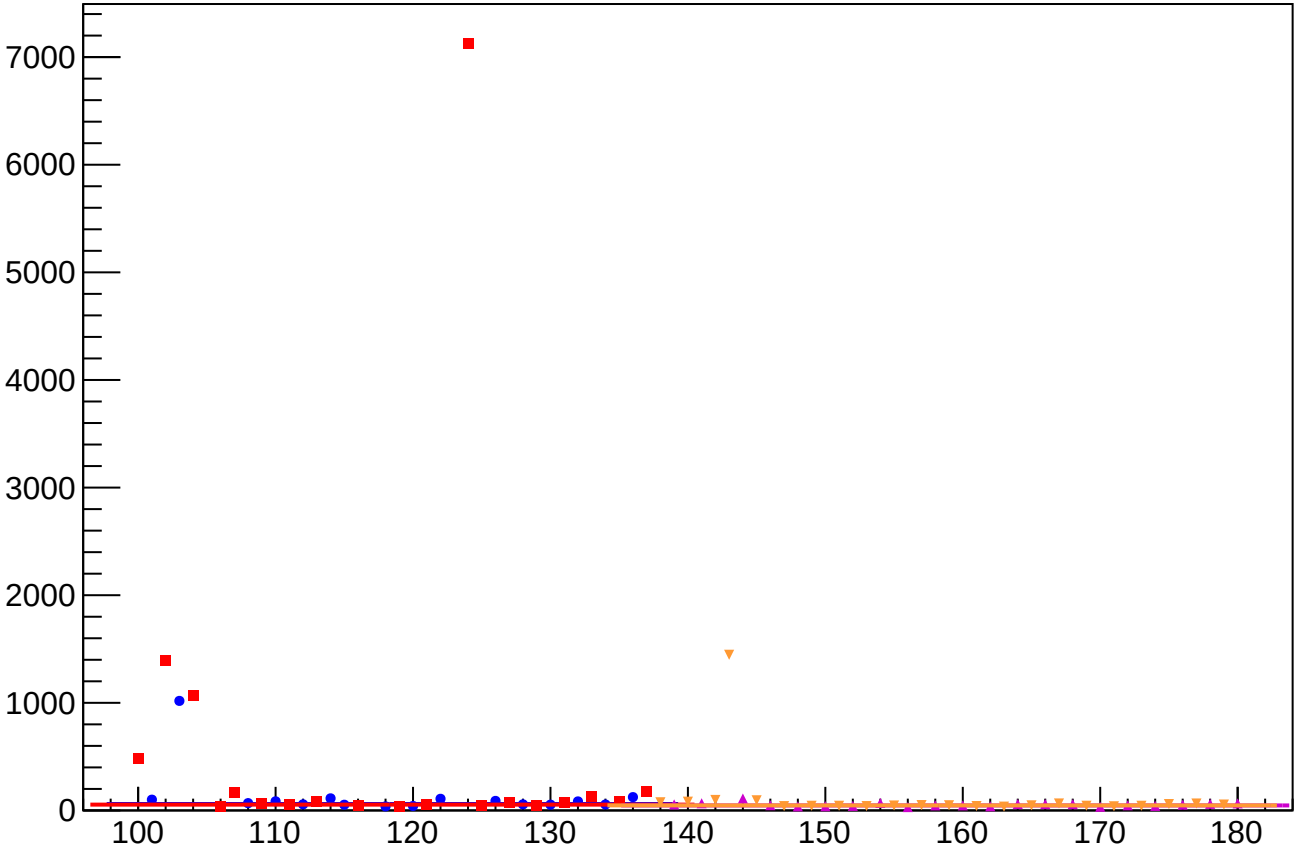
Left In: 0.013+/-0.013 χ^2/NDF:17.8/20

+ sign 0.014+/-0.012 χ^2/NDF: 38.9/37

All: 0.014+/-0.008 χ^2/NDF: 74.3/77

- sign 0.013+/-0.011 χ^2/NDF: 35.4/39

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194767.4/21

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

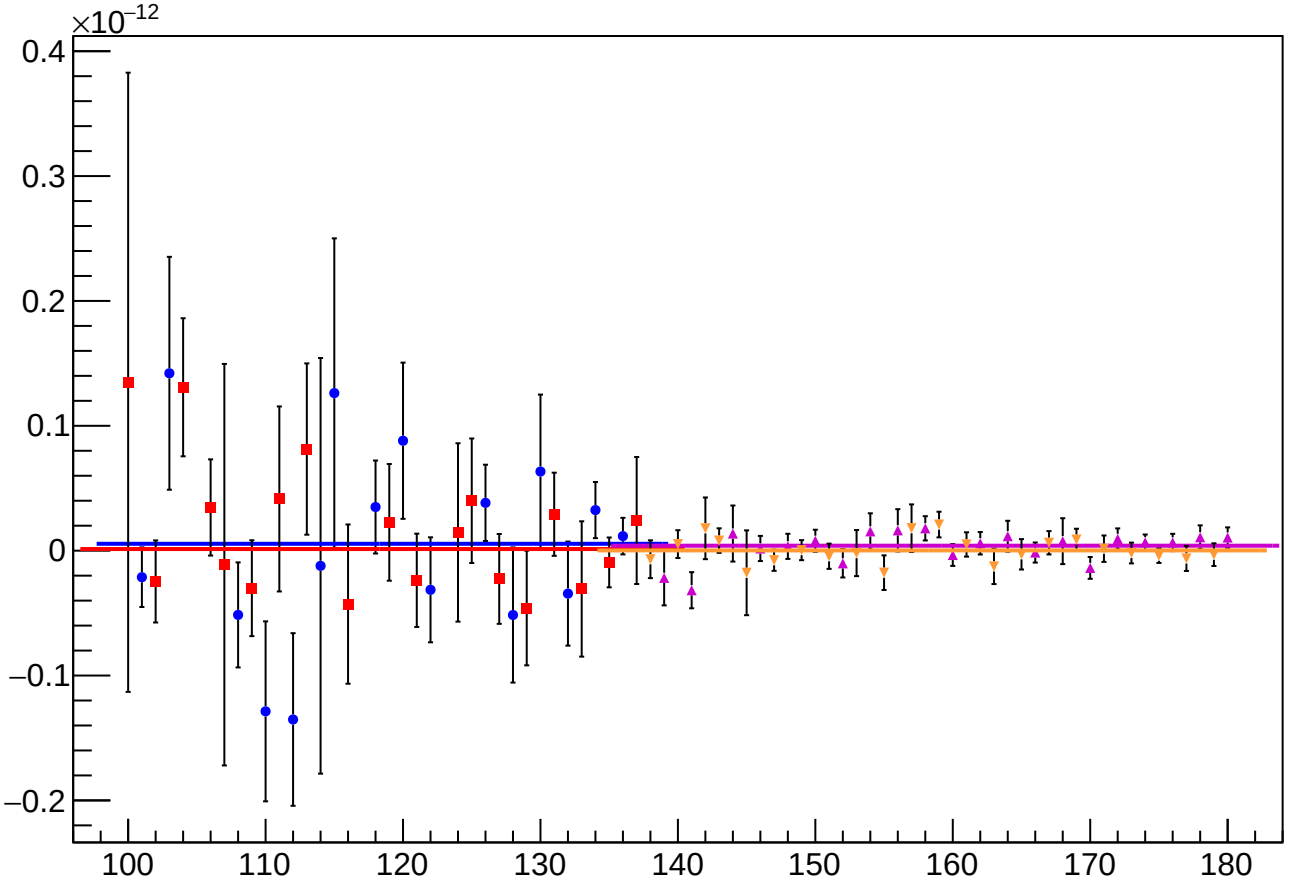
Left In: 46.648+/-0.009 χ^2/NDF:1945404.4/20

+ sign 49.550+/-0.008 χ^2/NDF: 6099720.7/37

All: 48.816+/-0.006 χ^2/NDF: 11722132.8/77

- 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:13.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

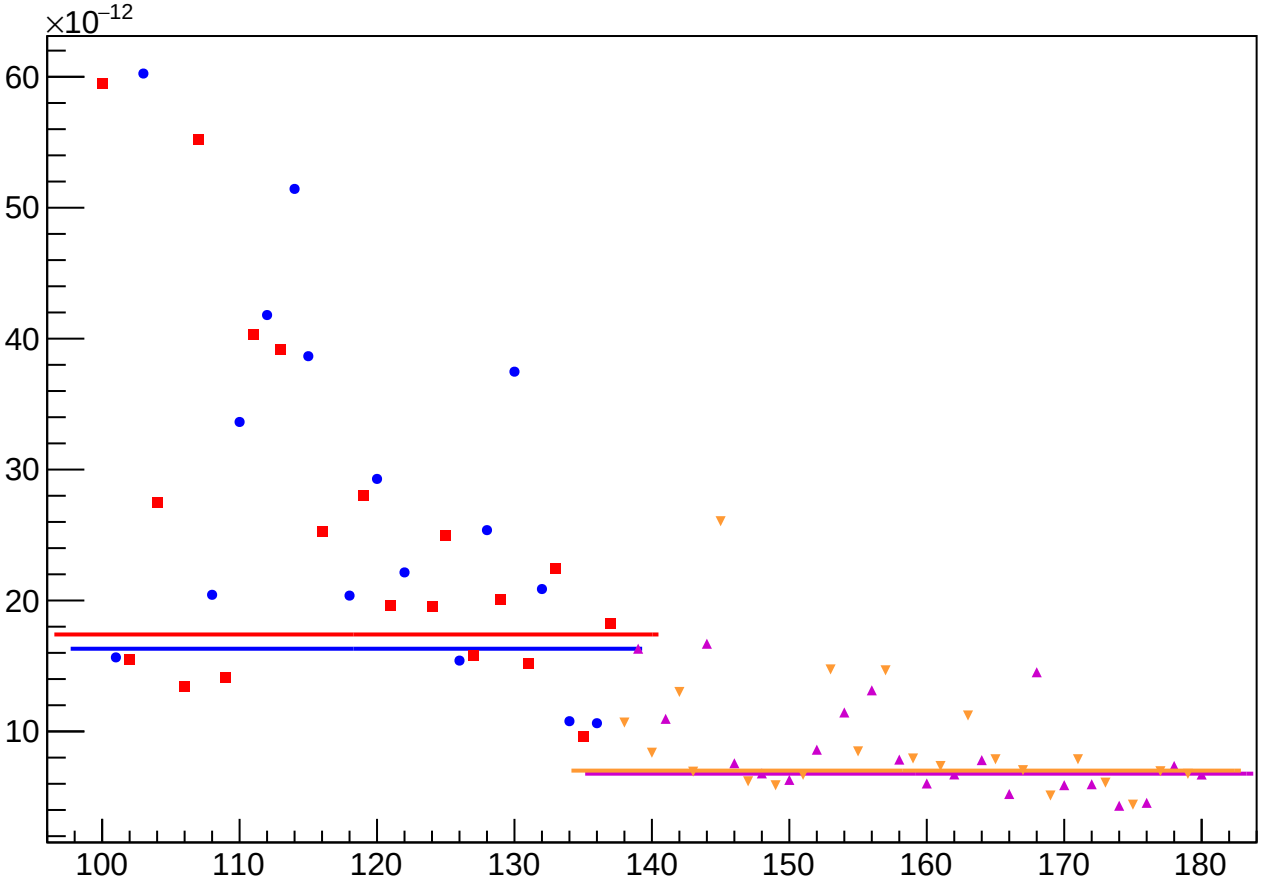
Left In: 0.000+/-0.000 χ^2/NDF:20.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/37

All: 0.000+/-0.000 χ^2/NDF: 72.2/77

- sign 0.000+/-0.000 χ^2/NDF: 34.7/39

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2396980.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

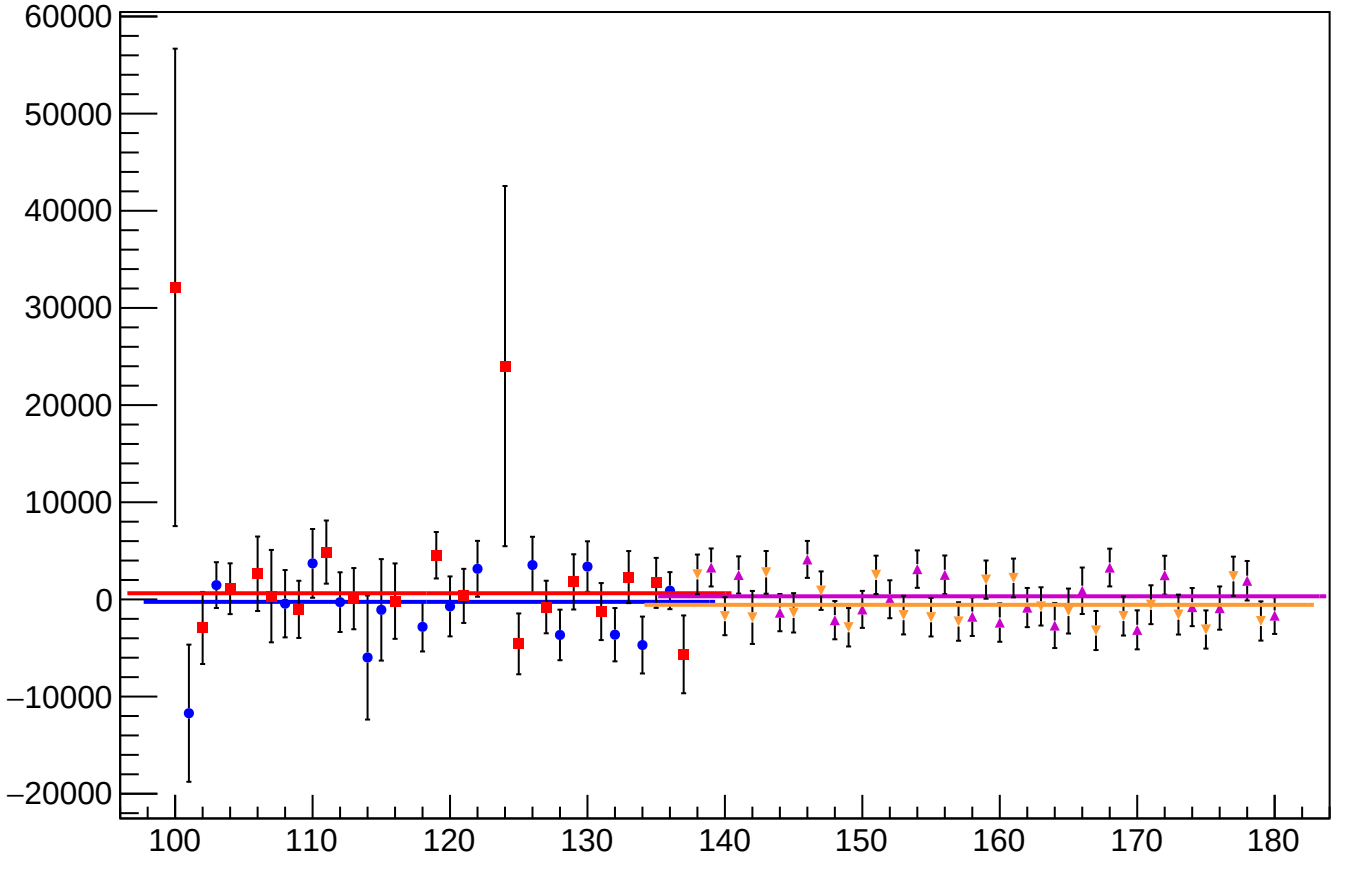
Left In: 0.000+/-0.000 χ^2/NDF:2541830.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 6469299.8/37

All: 0.000+/-0.000 χ^2/NDF: 12487175.3/77

- sign 0.000+/-0.000 χ^2/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: -556.482+/-434.276 χ^2/NDF:21.7/21

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

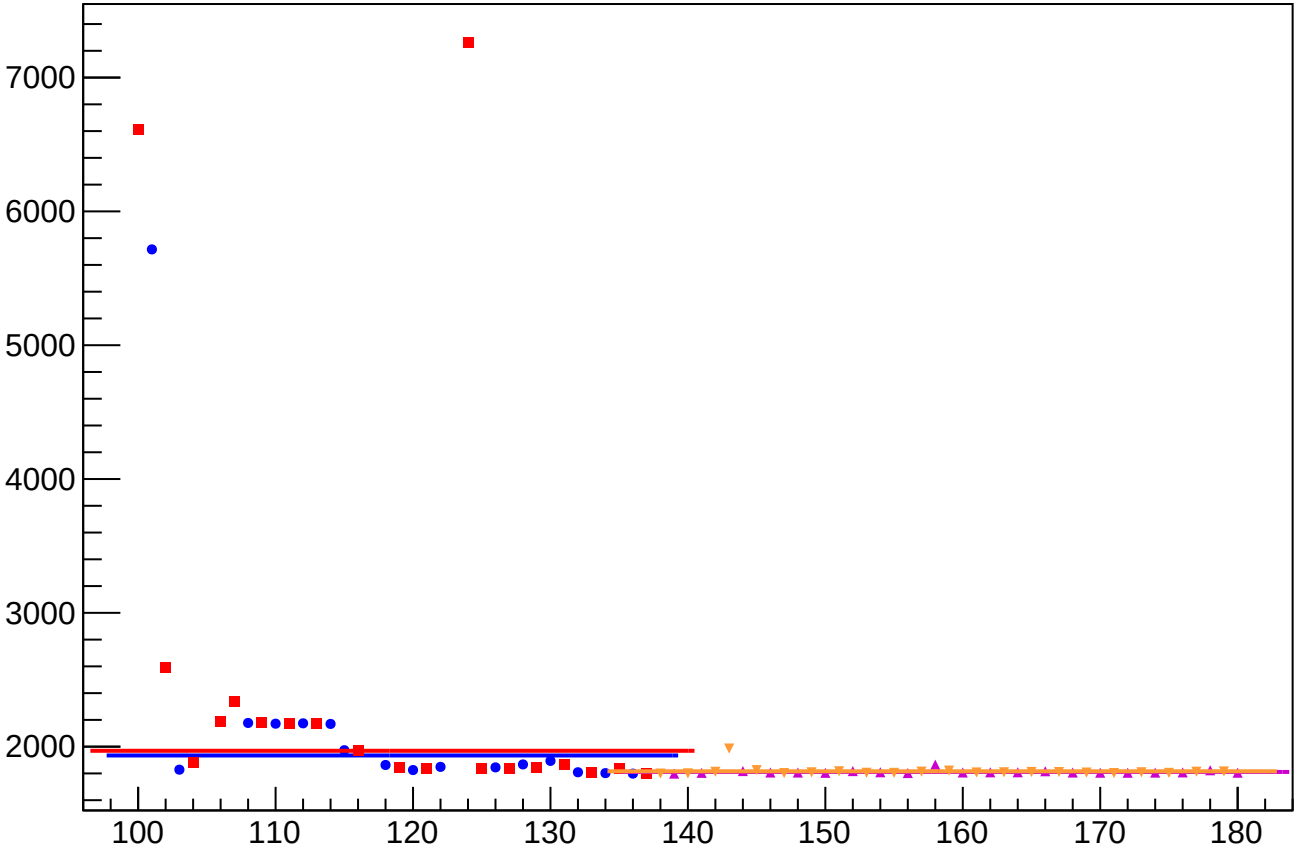
Left In: 320.699+/-435.995 χ^2/NDF:27.6/20

+ sign -477.528+/-373.904 χ^2/NDF: 39.1/37

All: -38.754+/-264.793 χ^2/NDF: 85.6/77

- 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: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

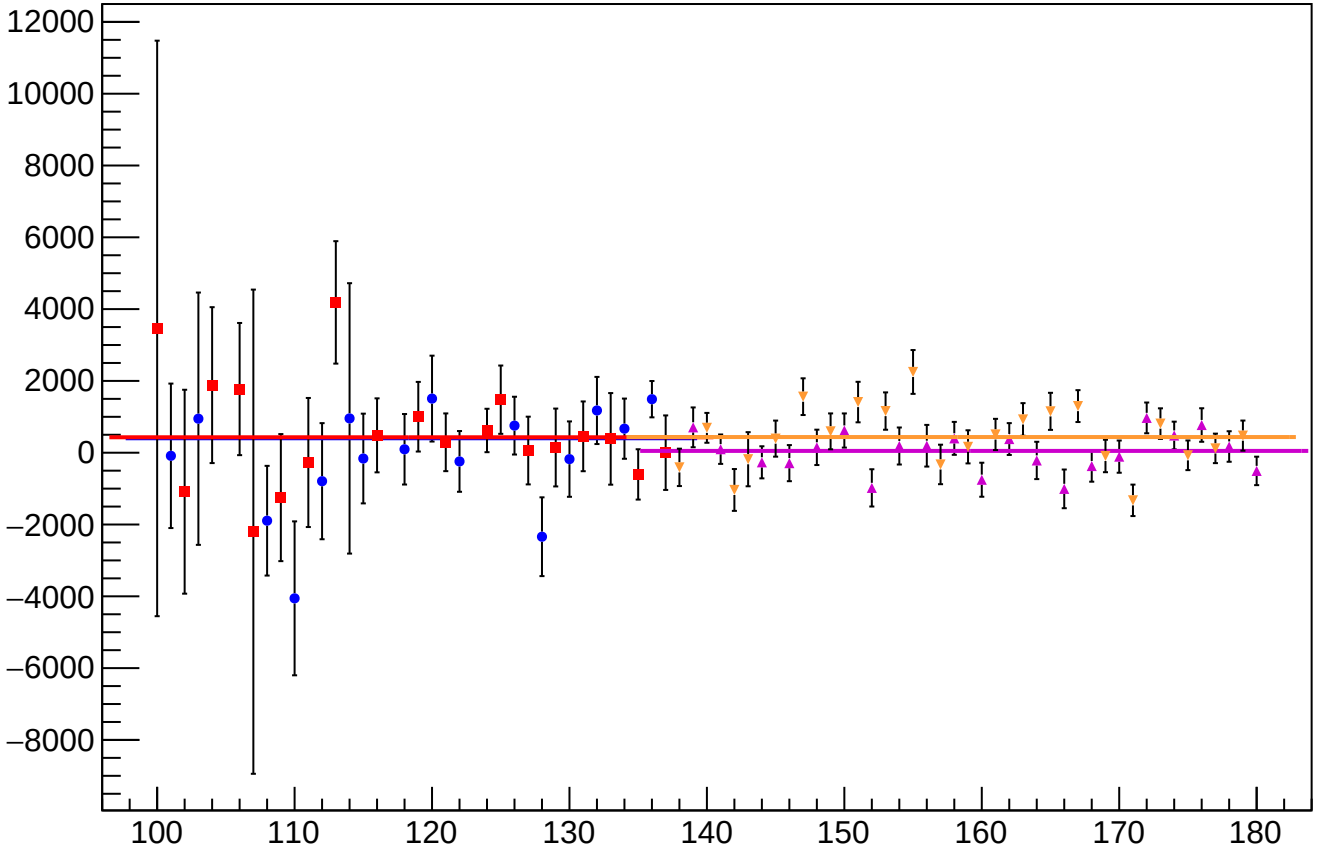
Left In: 1811.078+/-0.308 χ^2/NDF:1899.7/20

+ sign 1846.529+/-0.264 χ^2/NDF: 691163.9/37

All: 1849.354+/-0.187 χ^2/NDF: 1140080.3/77

- 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: 436.509+/-102.312 χ^2/NDF:58.4/21

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

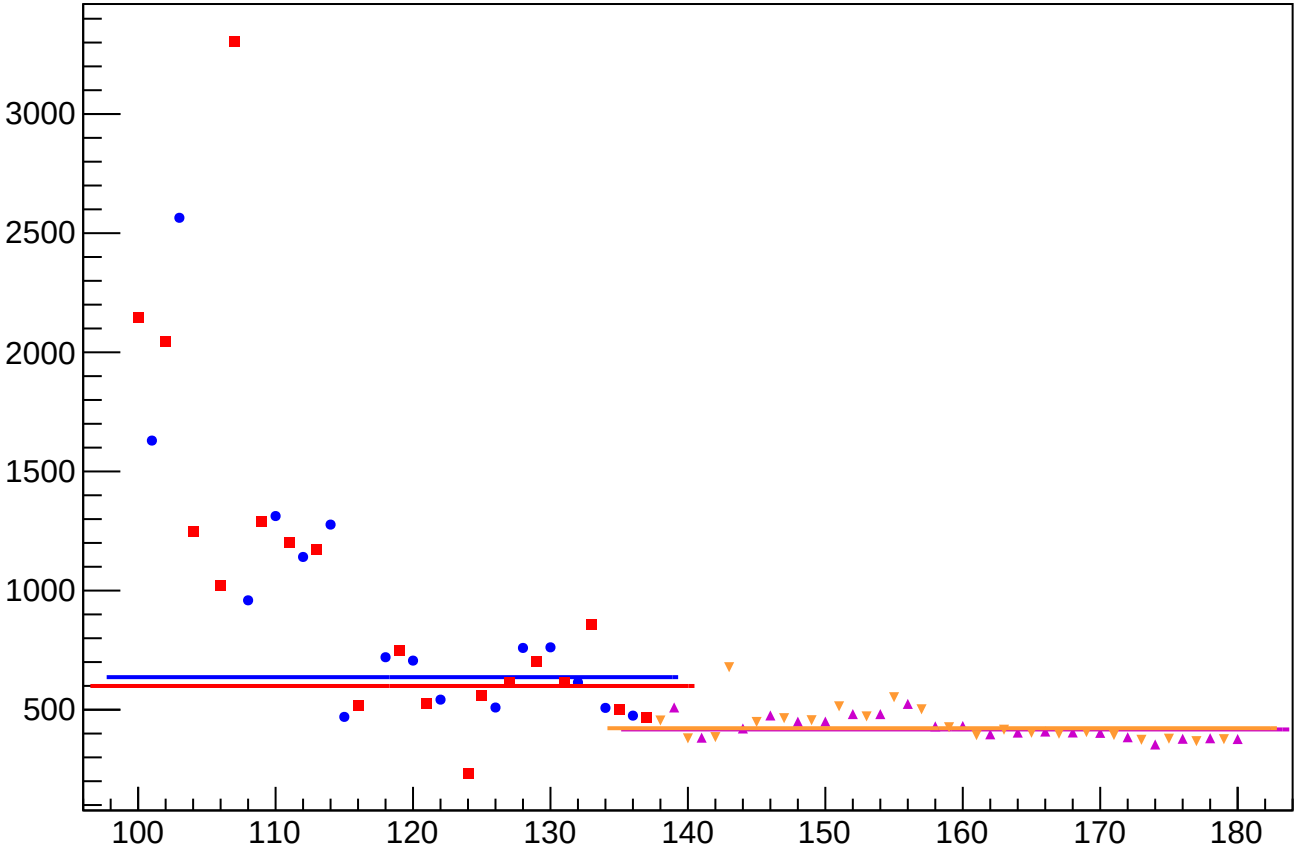
Left In: 50.249+/-101.294 χ^2/NDF:27.4/20

+ sign 431.923+/-95.136 χ^2/NDF: 79.5/37

All: 265.427+/-66.876 χ^2/NDF: 126.6/77

- 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: 422.337+/-0.072 χ^2/NDF:635794.4/21

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

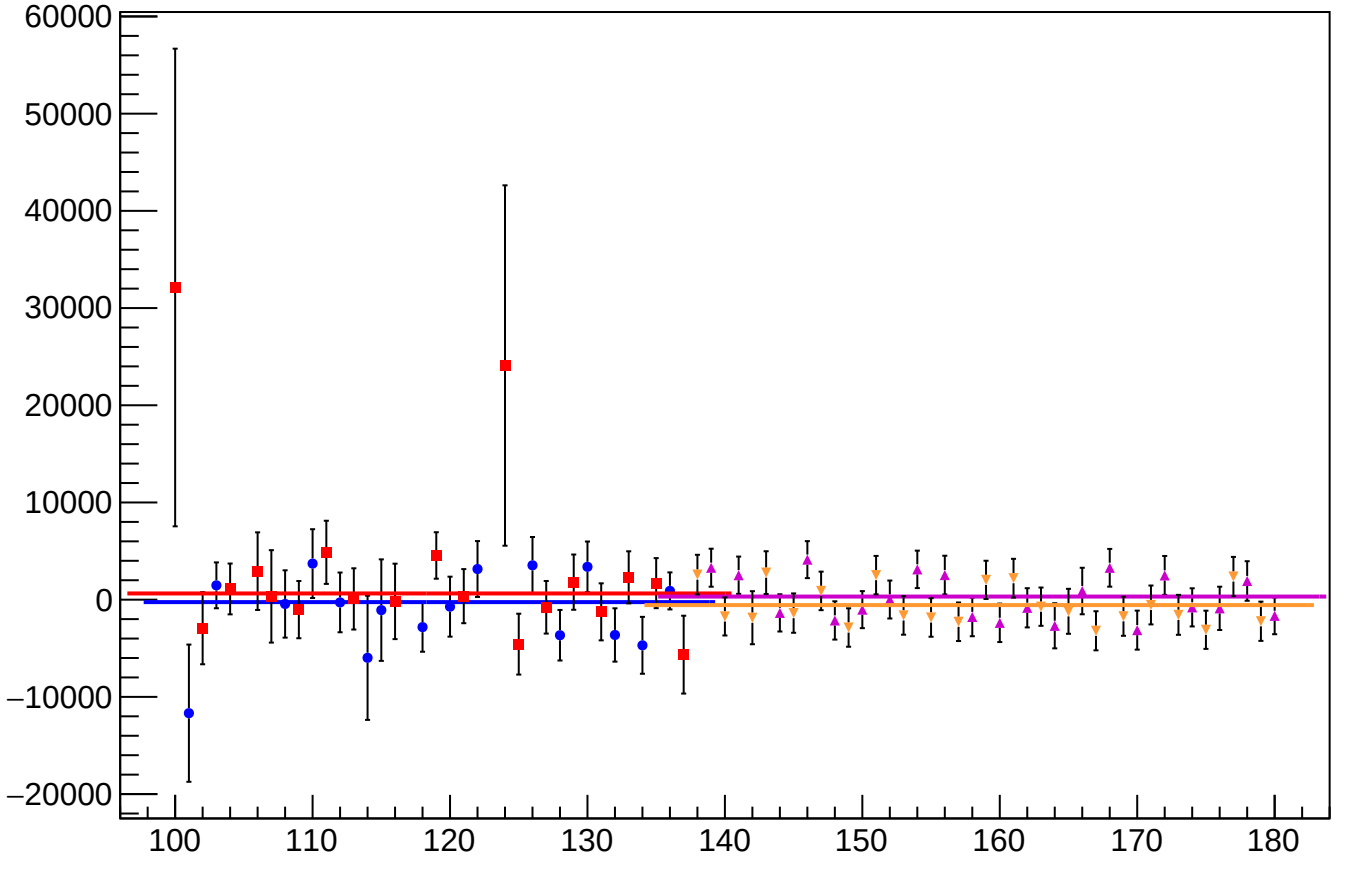
Left In: 417.215+/-0.072 χ^2/NDF:373905.3/20

+ sign 451.355+/-0.067 χ^2/NDF: 3891164.6/37

All: 446.849+/-0.047 χ^2/NDF: 8115193.8/77

- sign 442.447+/-0.066 χ^2/NDF: 4215159.6/39

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -556.503+/-434.276 χ^2/NDF:21.7/21

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

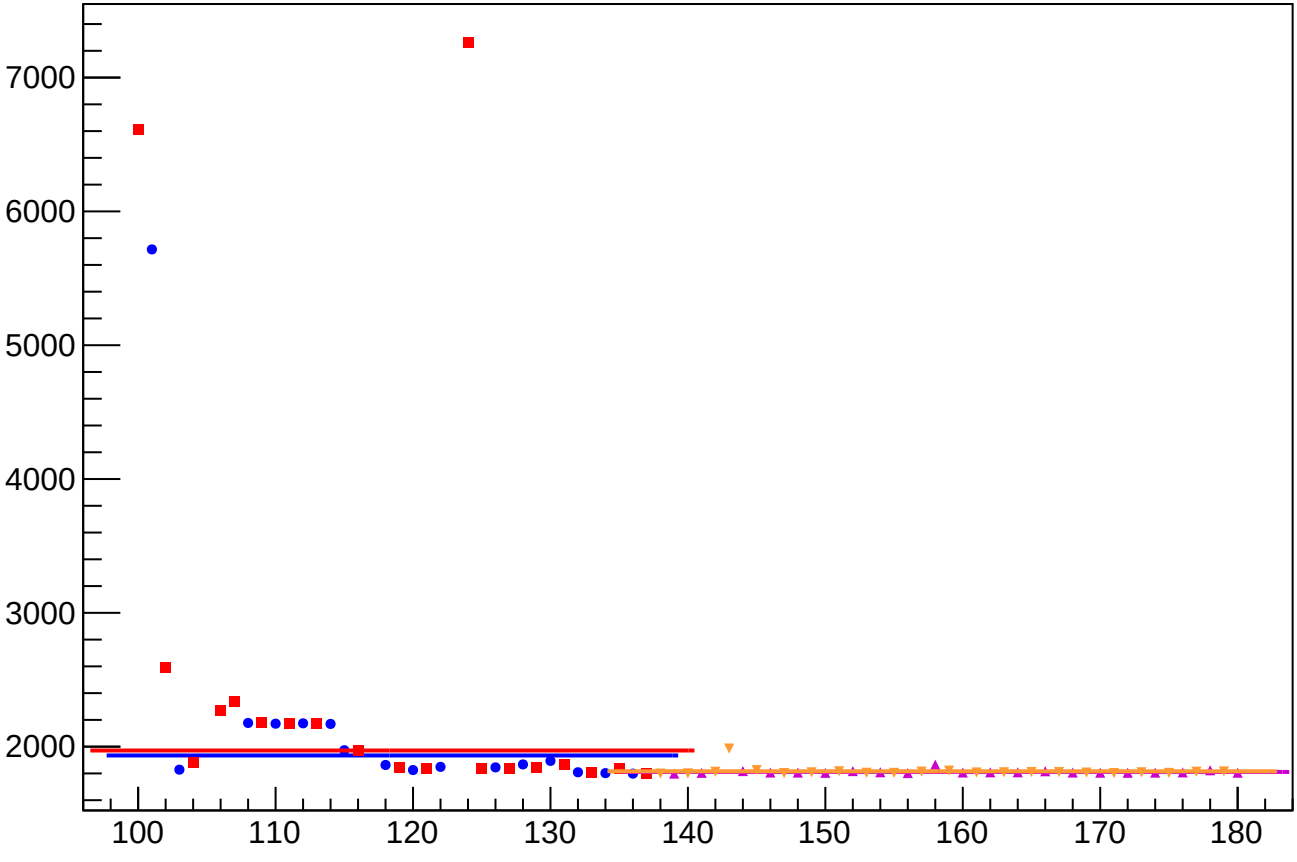
Left In: 320.701+/-435.995 χ^2/NDF:27.6/20

+ sign -477.334+/-373.904 χ^2/NDF: 39.1/37

All: -38.292+/-264.843 χ^2/NDF: 85.6/77

- 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: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

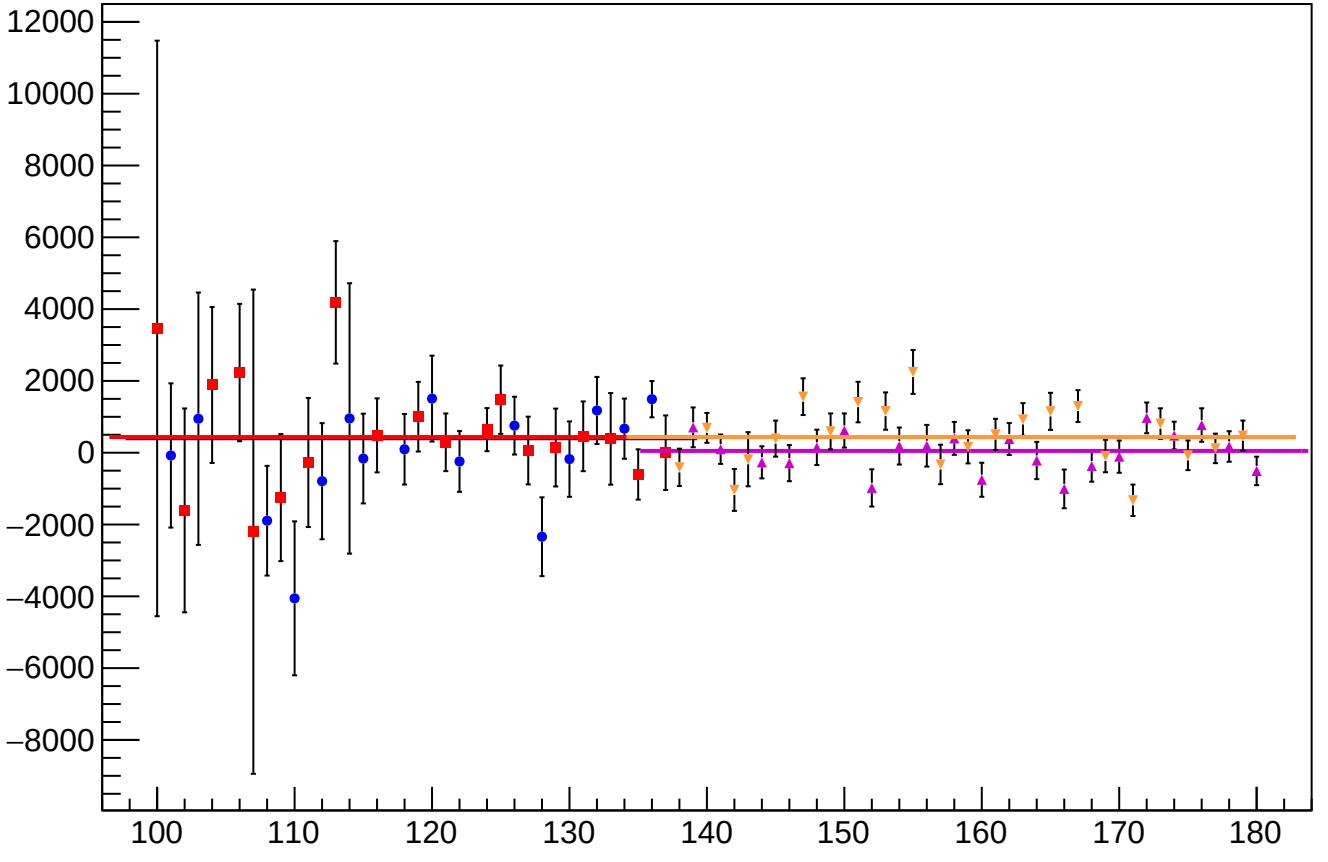
Left In: 1811.078+/-0.308 χ^2/NDF:1899.7/20

+ sign 1846.529+/-0.264 χ^2/NDF: 691163.8/37

All: 1849.587+/-0.187 χ^2/NDF: 1146641.3/77

- 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: 436.520+/-102.312 χ^2/NDF:58.4/21

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

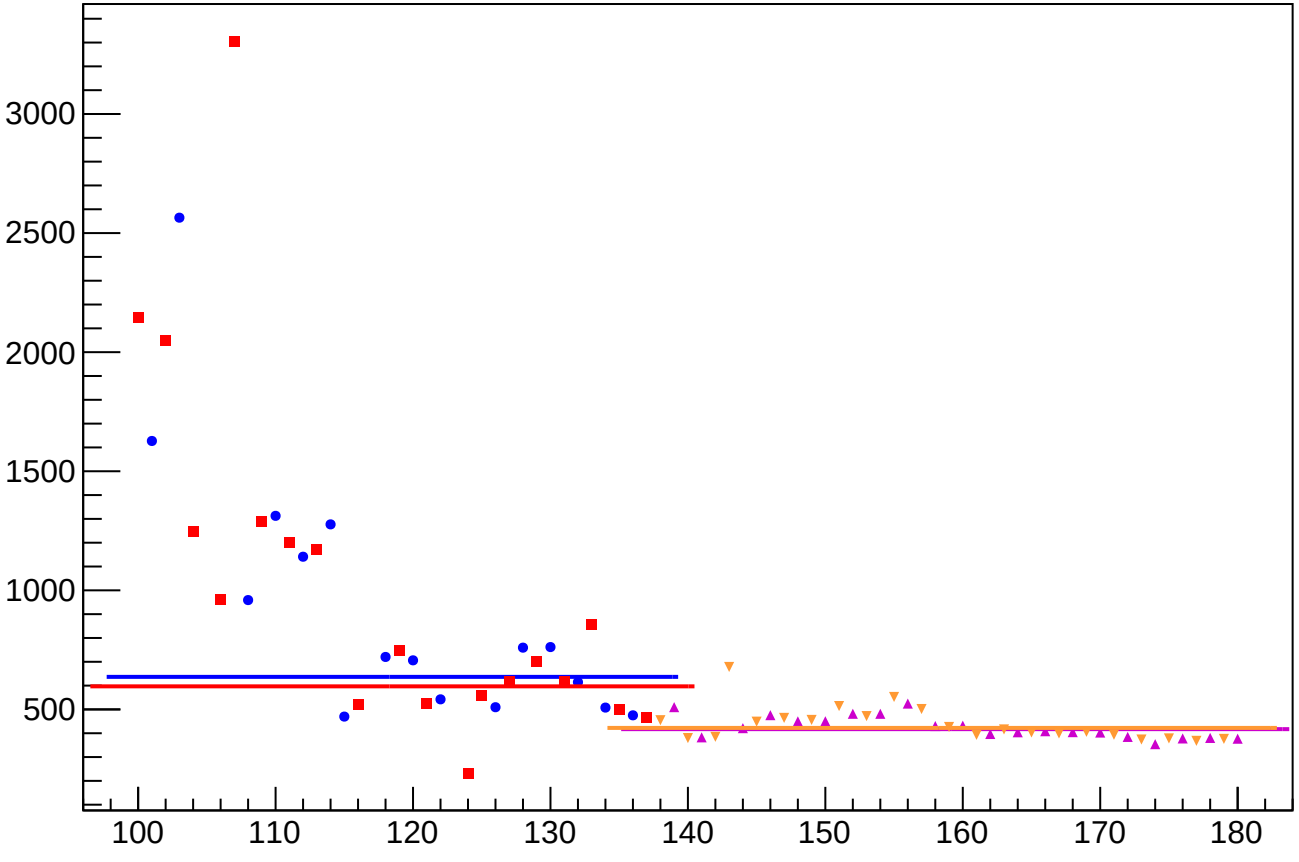
Left In: 50.229+/-101.293 χ^2/NDF:27.4/20

+ sign 431.942+/-95.135 χ^2/NDF: 79.5/37

All: 265.905+/-66.873 χ^2/NDF: 127.3/77

- 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: 422.336+/-0.072 χ^2/NDF:635769.9/21

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

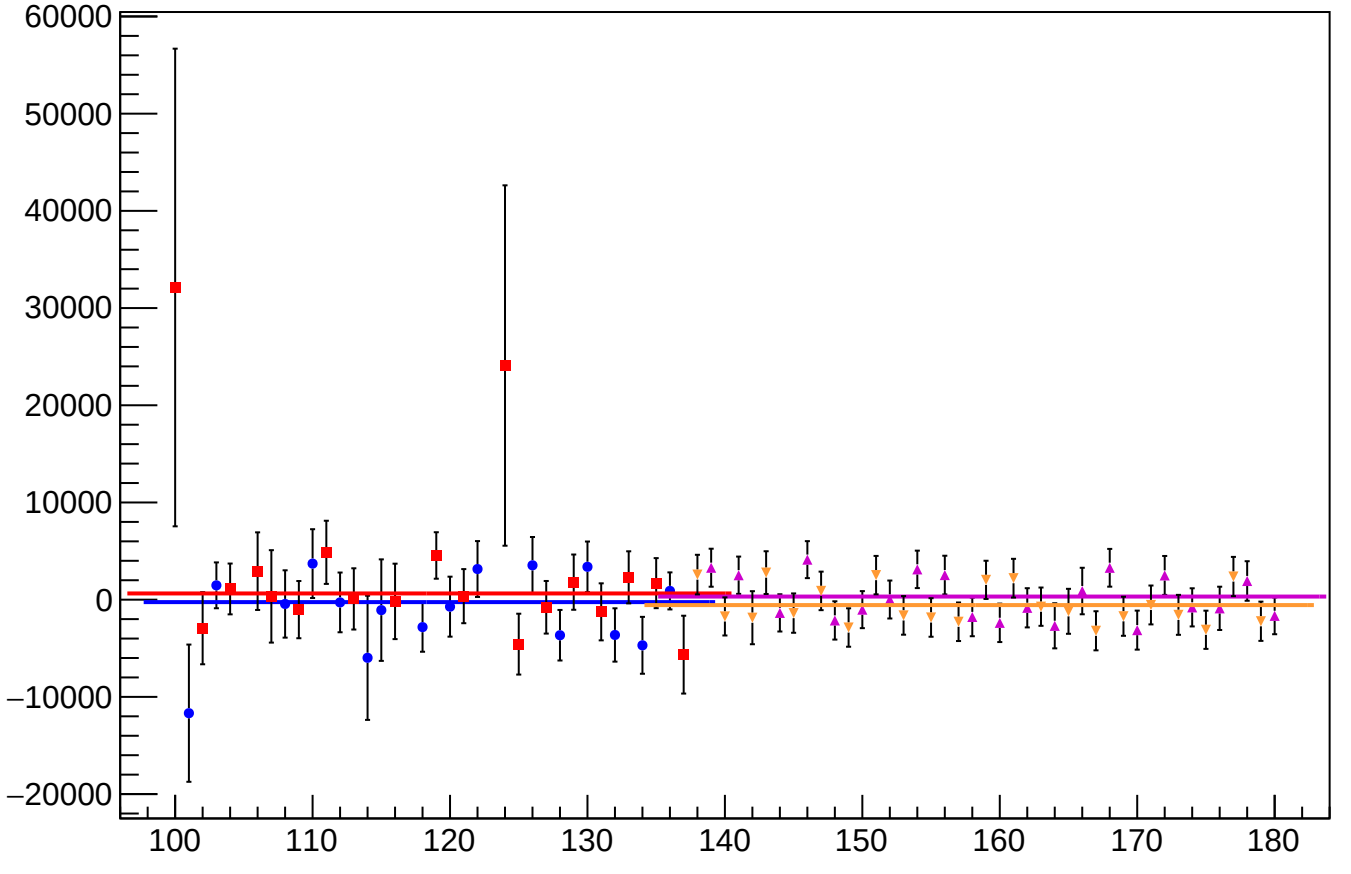
Left In: 417.211+/-0.072 χ^2/NDF:373934.5/20

+ sign 451.356+/-0.067 χ^2/NDF: 3890337.8/37

All: 446.666+/-0.047 χ^2/NDF: 8075385.3/77

- 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: -556.503+/-434.276 χ^2/NDF:21.7/21

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

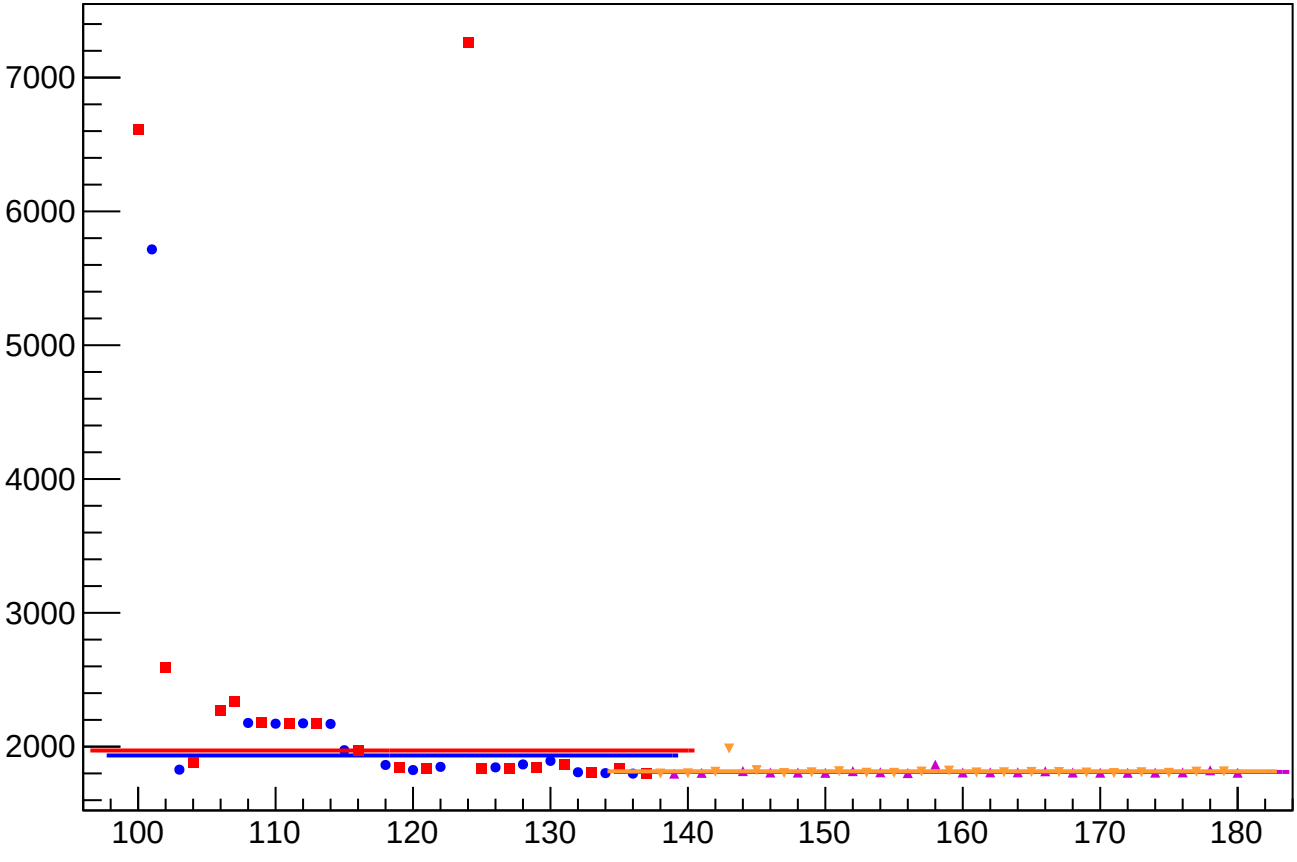
Left In: 320.701+/-435.995 χ^2/NDF:27.6/20

+ sign -477.334+/-373.904 χ^2/NDF: 39.1/37

All: -38.292+/-264.843 χ^2/NDF: 85.6/77

- 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: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

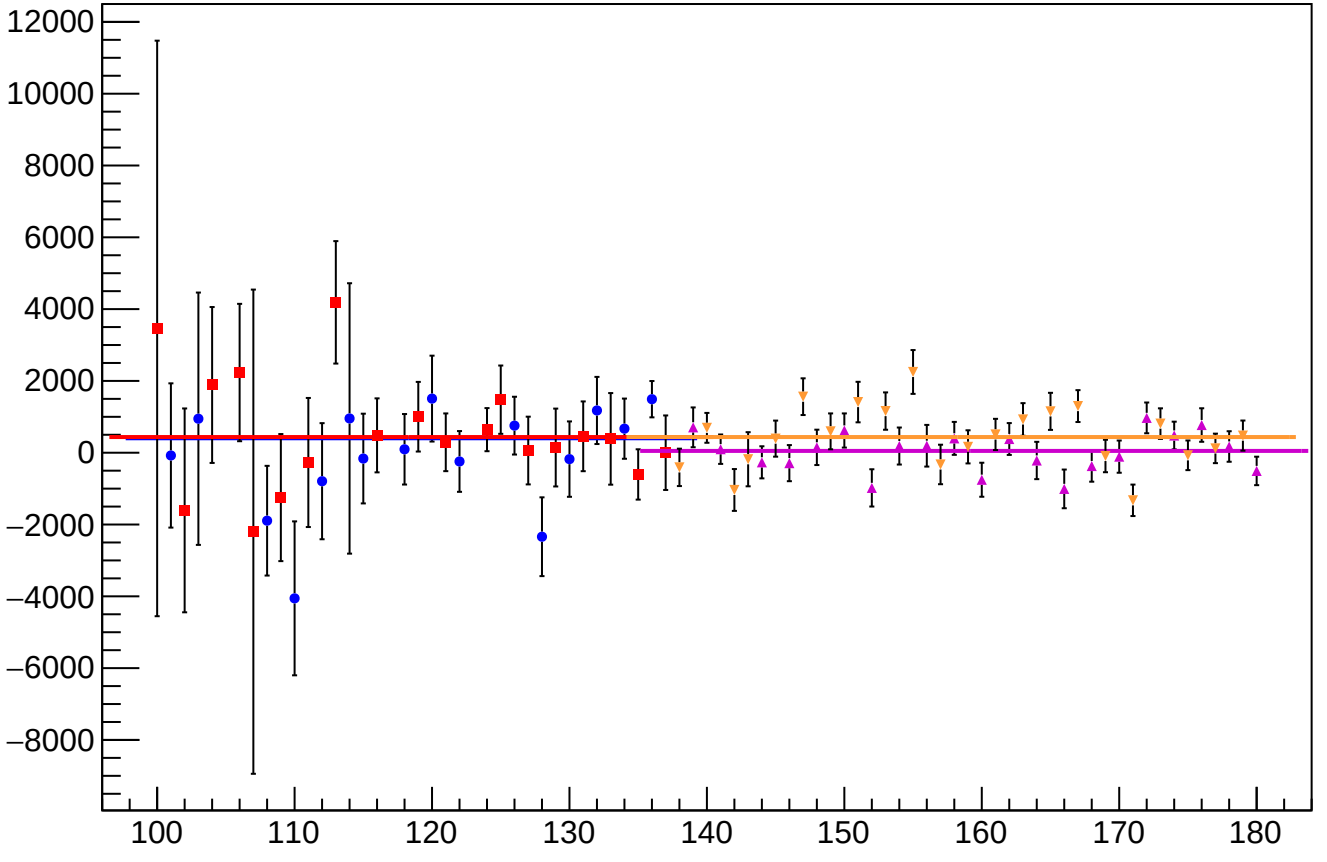
Left In: 1811.078+/-0.308 χ^2/NDF:1899.7/20

+ sign 1846.529+/-0.264 χ^2/NDF: 691163.8/37

All: 1849.587+/-0.187 χ^2/NDF: 1146641.3/77

- sign 1852.667+/-0.265 χ^2/NDF: 455209.1/39

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 436.520+/-102.312 χ^2/NDF:58.4/21

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

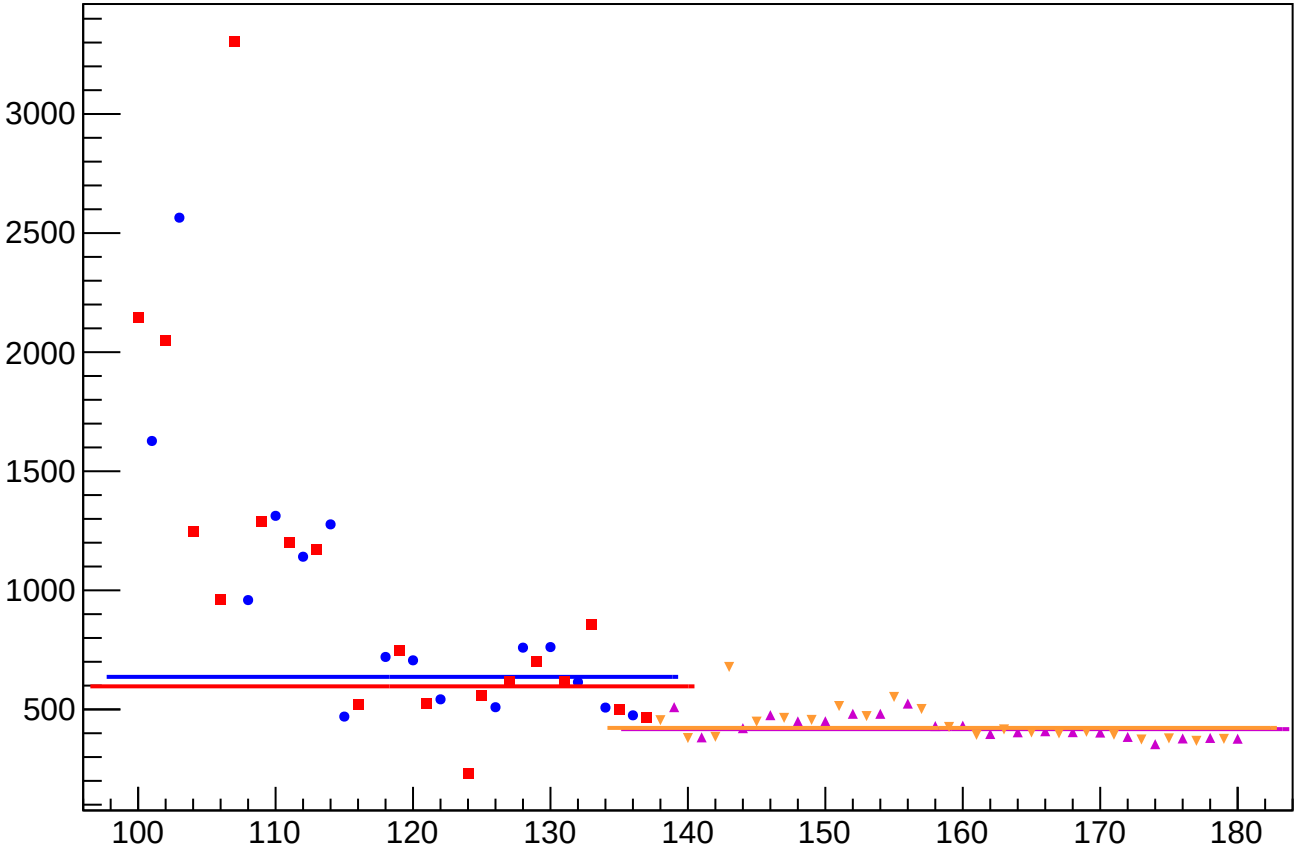
Left In: 50.229+/-101.293 χ^2/NDF:27.4/20

+ sign 431.942+/-95.135 χ^2/NDF: 79.5/37

All: 265.905+/-66.873 χ^2/NDF: 127.3/77

- sign 103.738+/-94.020 χ^2/NDF: 41.8/39

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 422.336+/-0.072 χ^2/NDF:635769.9/21

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

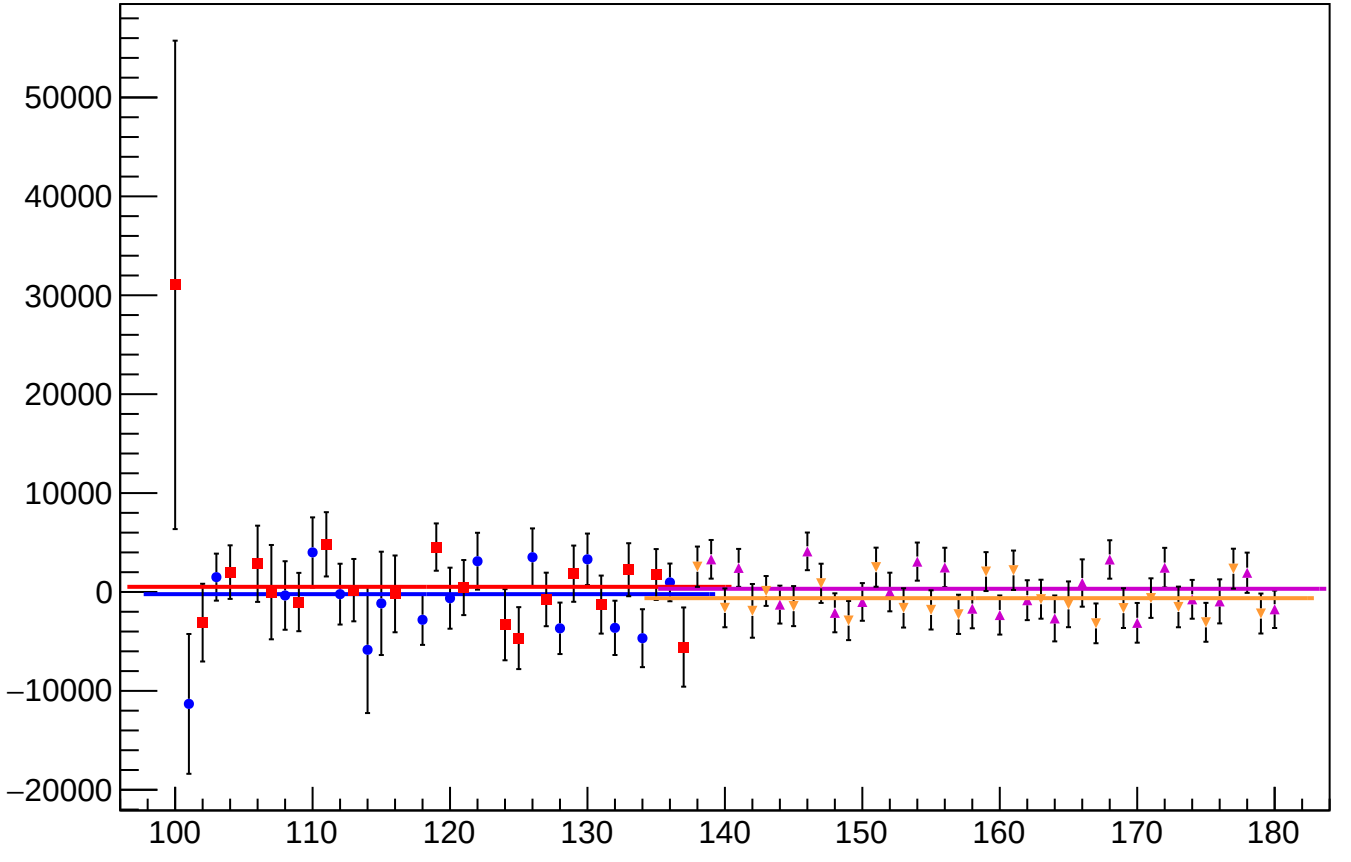
Left In: 417.211+/-0.072 χ^2/NDF:373934.5/20

+ sign 451.356+/-0.067 χ^2/NDF: 3890337.8/37

All: 446.666+/-0.047 χ^2/NDF: 8075385.3/77

- sign 442.085+/-0.066 χ^2/NDF: 4175439.1/39

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -626.625+/-425.175 χ^2/NDF:19.3/21

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

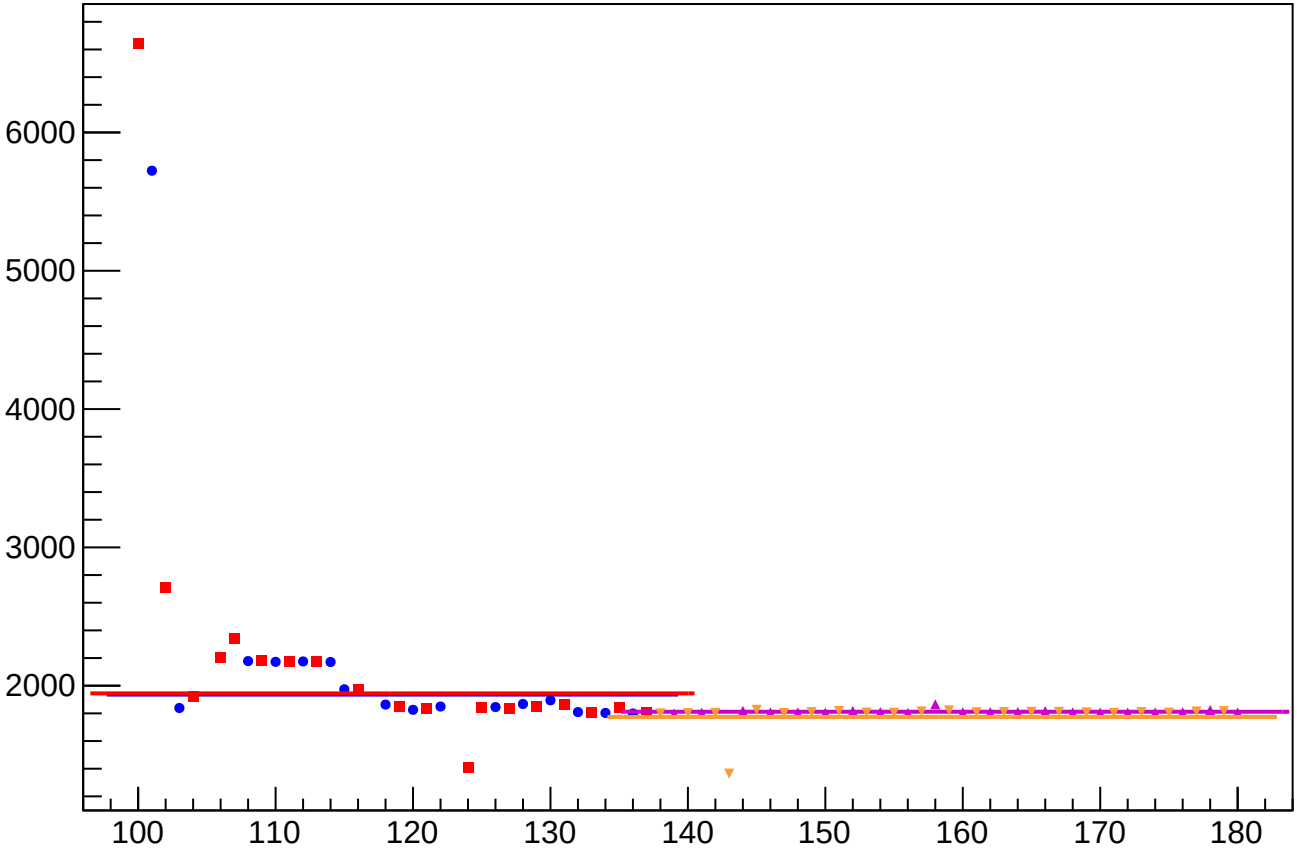
Left In: 321.775+/-436.148 χ^2/NDF:27.2/20

+ sign -524.956+/-368.145 χ^2/NDF: 36.6/37

All: -81.987+/-262.270 χ^2/NDF: 82.4/77

- 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: 1774.088+/-0.301 χ^2/NDF:160479.3/21

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

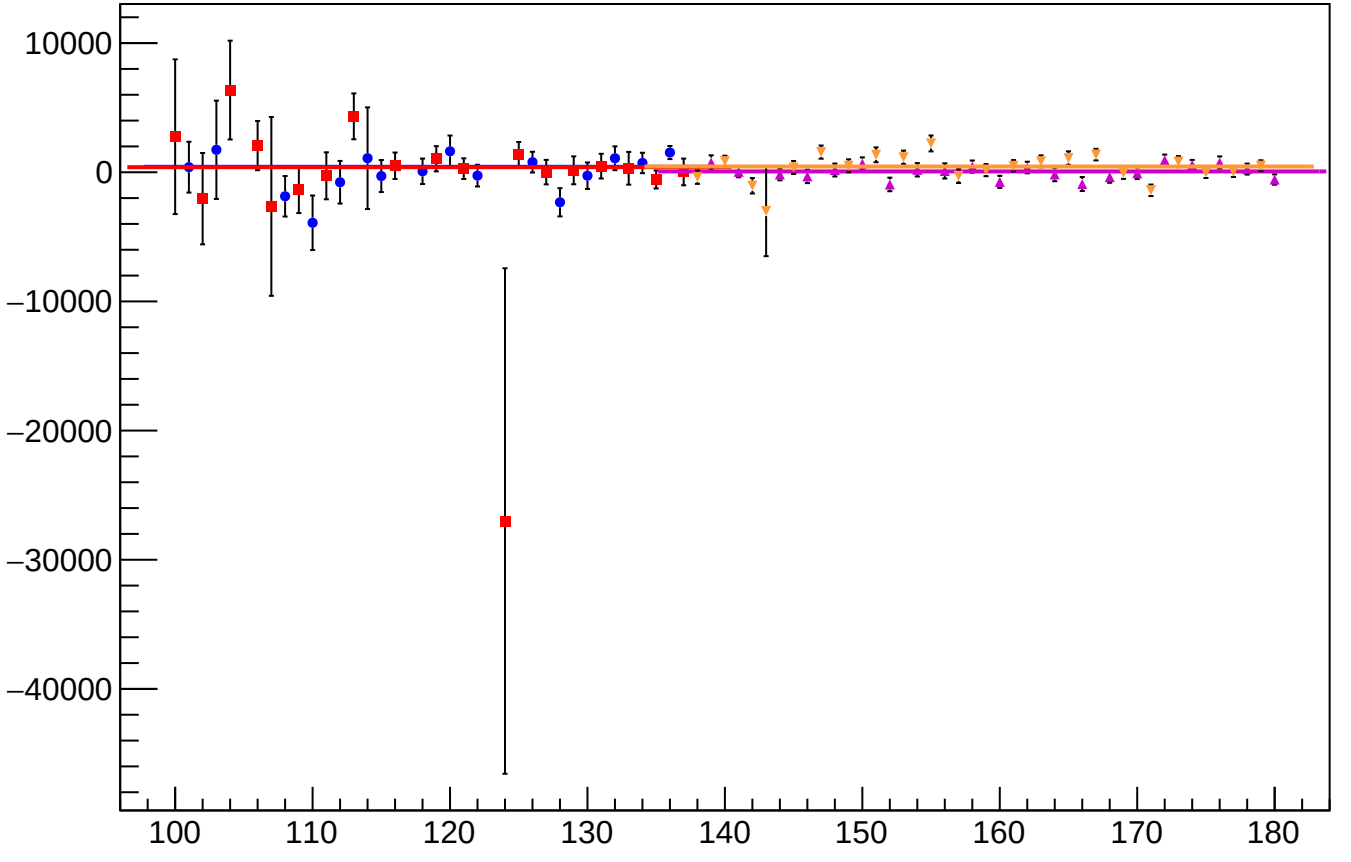
Left In: 1811.712+/-0.308 χ^2/NDF:1895.8/20

+ sign 1814.604+/-0.260 χ^2/NDF: 872852.3/37

All: 1830.558+/-0.185 χ^2/NDF: 1207859.6/77

- 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: 445.778+/-104.593 χ^2/NDF:57.8/21

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

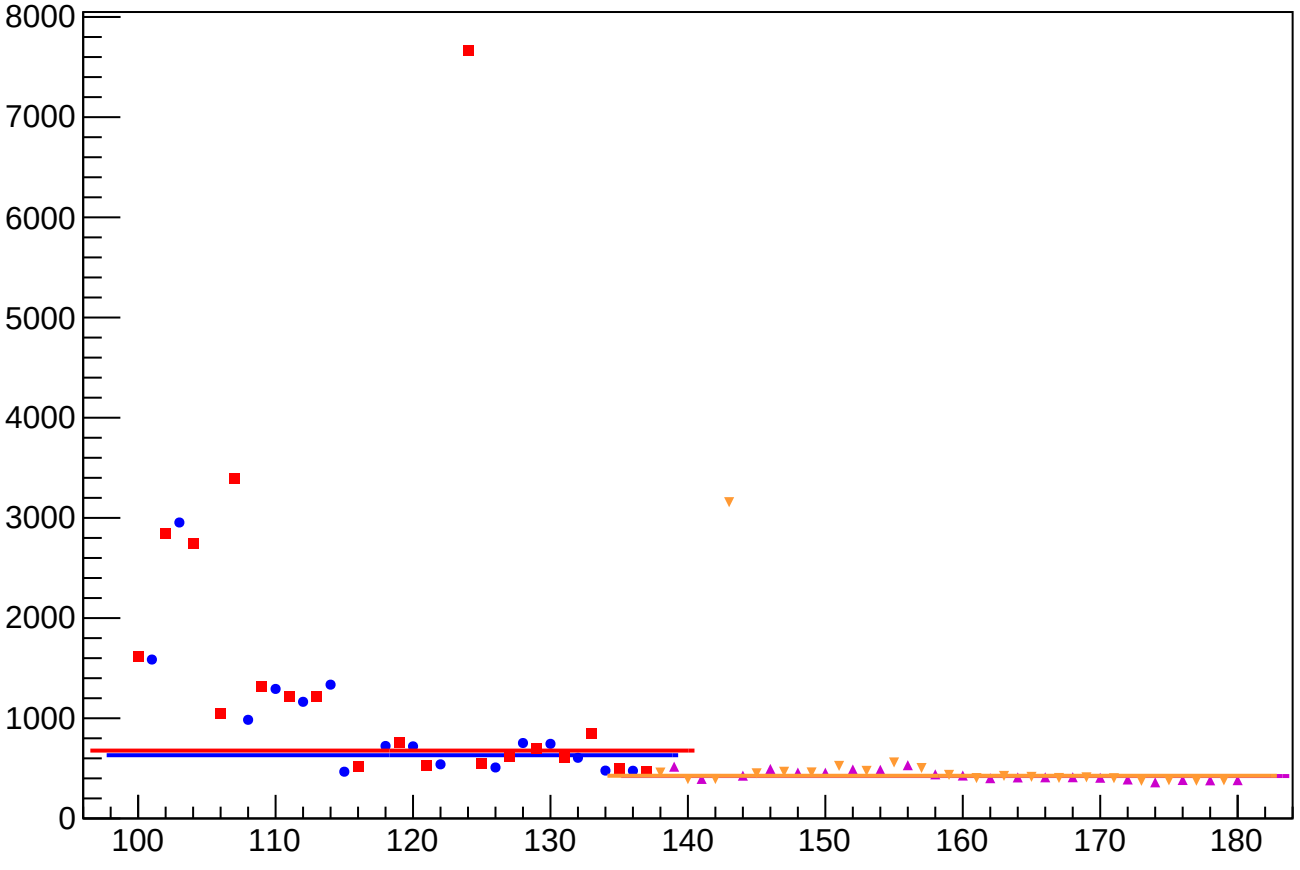
Left In: 63.958+/-102.661 χ^2/NDF:26.6/20

+ sign 442.272+/-96.864 χ^2/NDF: 79.3/37

All: 271.830+/-68.317 χ^2/NDF: 129.2/77

- 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: 426.115+/-0.074 χ^2/NDF:1604446.8/21

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

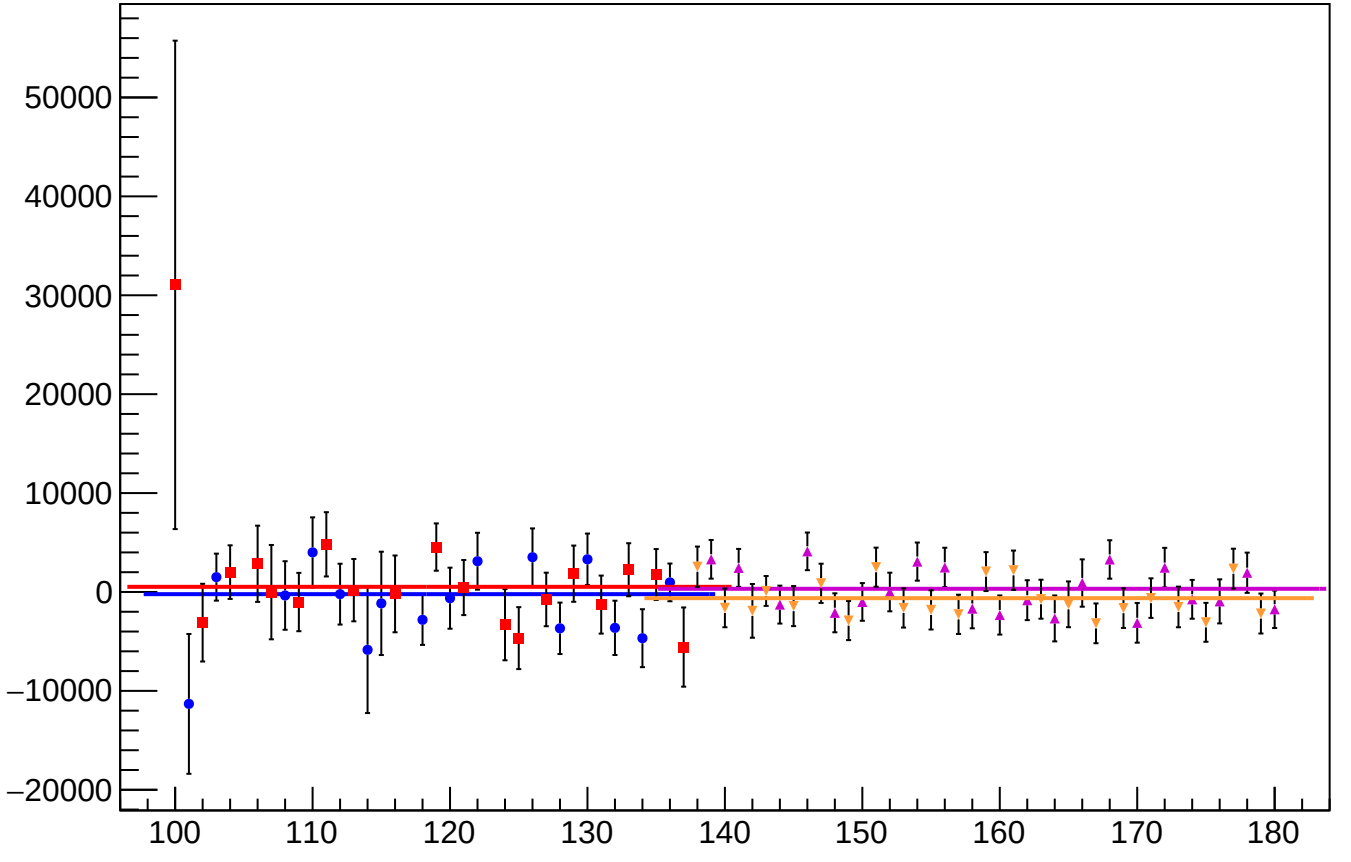
Left In: 423.263+/-0.073 χ^2/NDF:380600.3/20

+ sign 455.297+/-0.068 χ^2/NDF: 4932732.5/37

All: 454.377+/-0.048 χ^2/NDF: 9852059.4/77

- 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: -626.626+/-425.175 χ^2/NDF:19.3/21

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

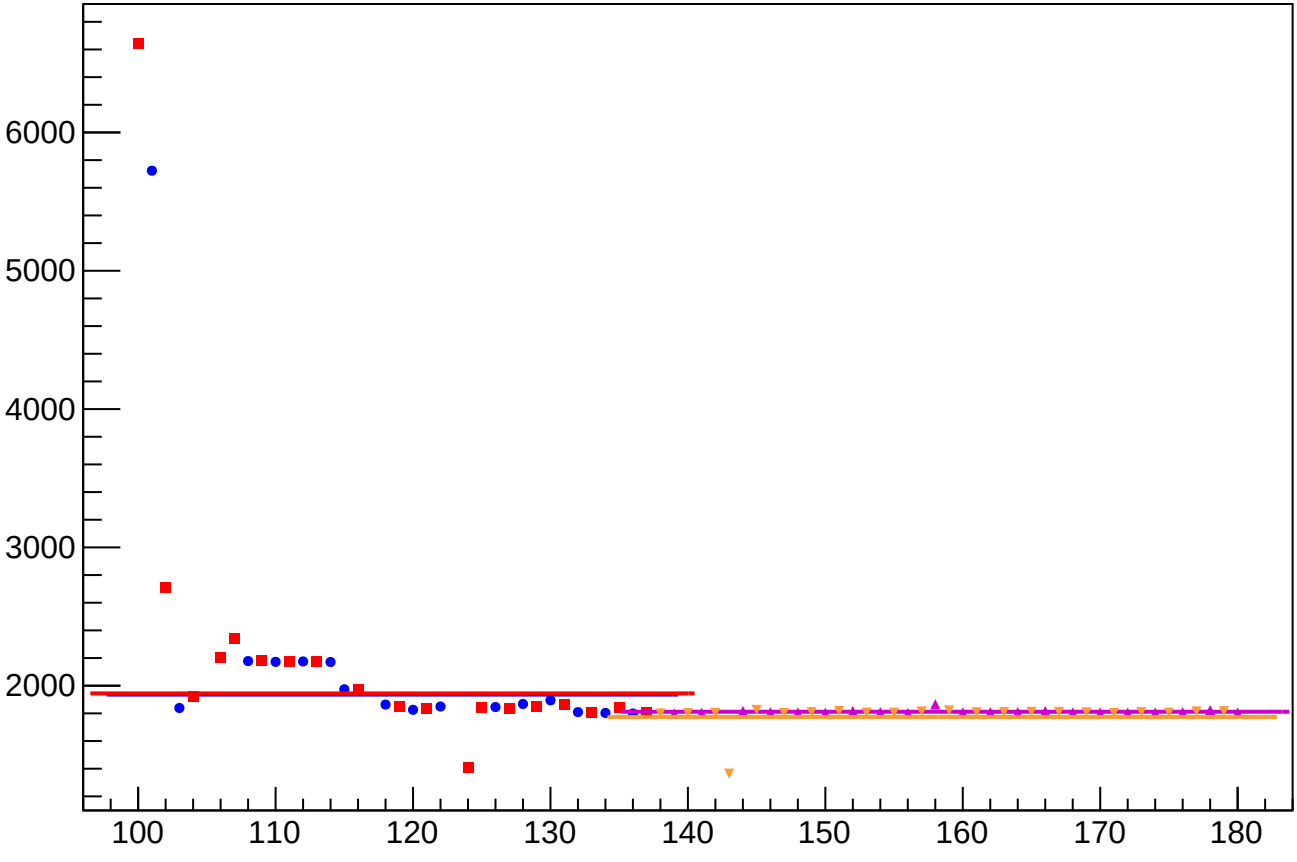
Left In: 321.775+/-436.148 χ^2/NDF:27.2/20

+ sign -524.957+/-368.145 χ^2/NDF: 36.6/37

All: -81.987+/-262.270 χ^2/NDF: 82.4/77

- 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: 1774.088+/-0.301 χ^2/NDF:160479.3/21

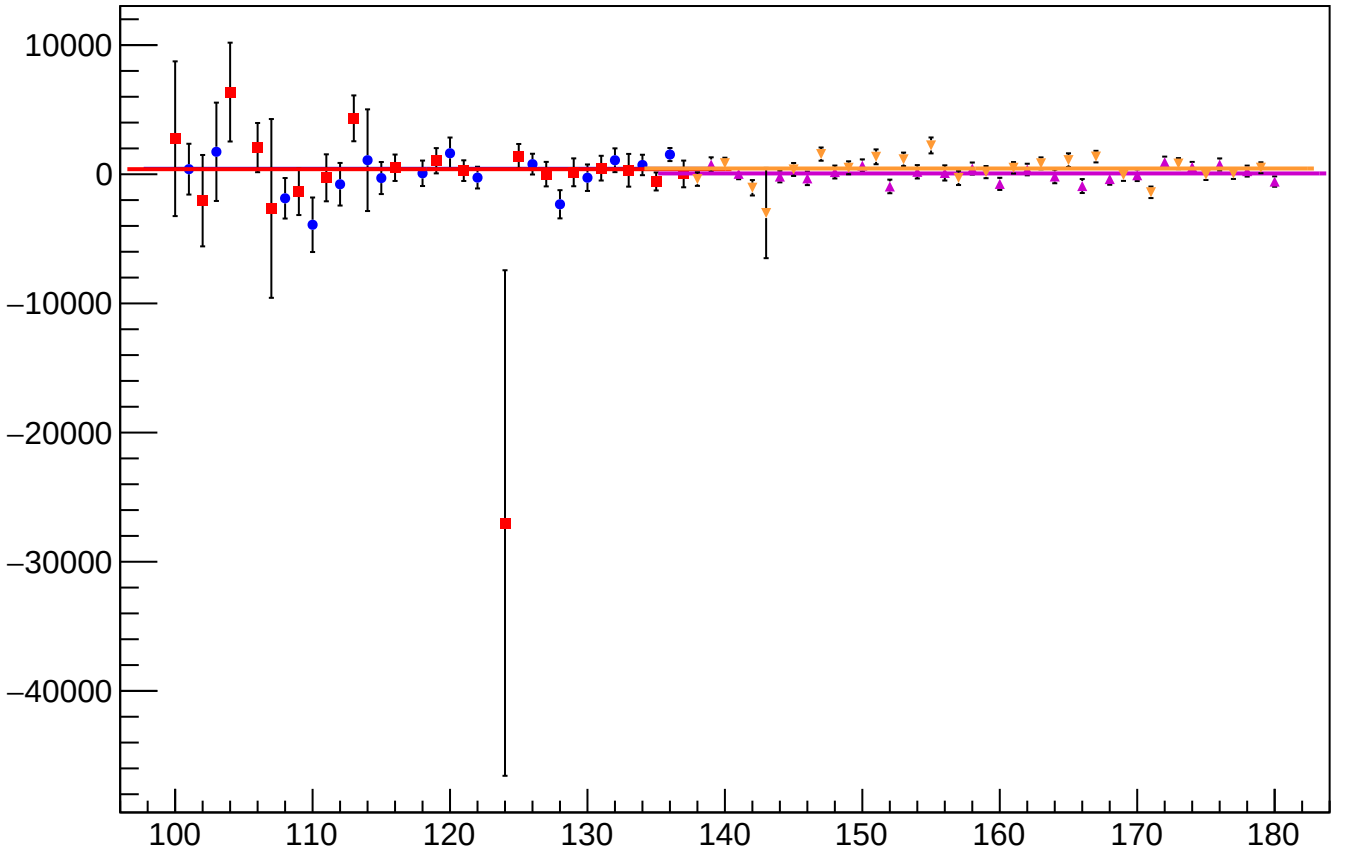
Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1811.712+/-0.308 χ^2/NDF:1895.8/20

+ sign 1814.604+/-0.260 χ^2/NDF: 872852.3/37

All: 1830.557+/-0.185 χ^2/NDF: 1207859.4/77

- sign 1846.999+/-0.264 χ^2/NDF: 327380.7/39



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 445.777+/-104.593 χ^2/NDF:57.8/21

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

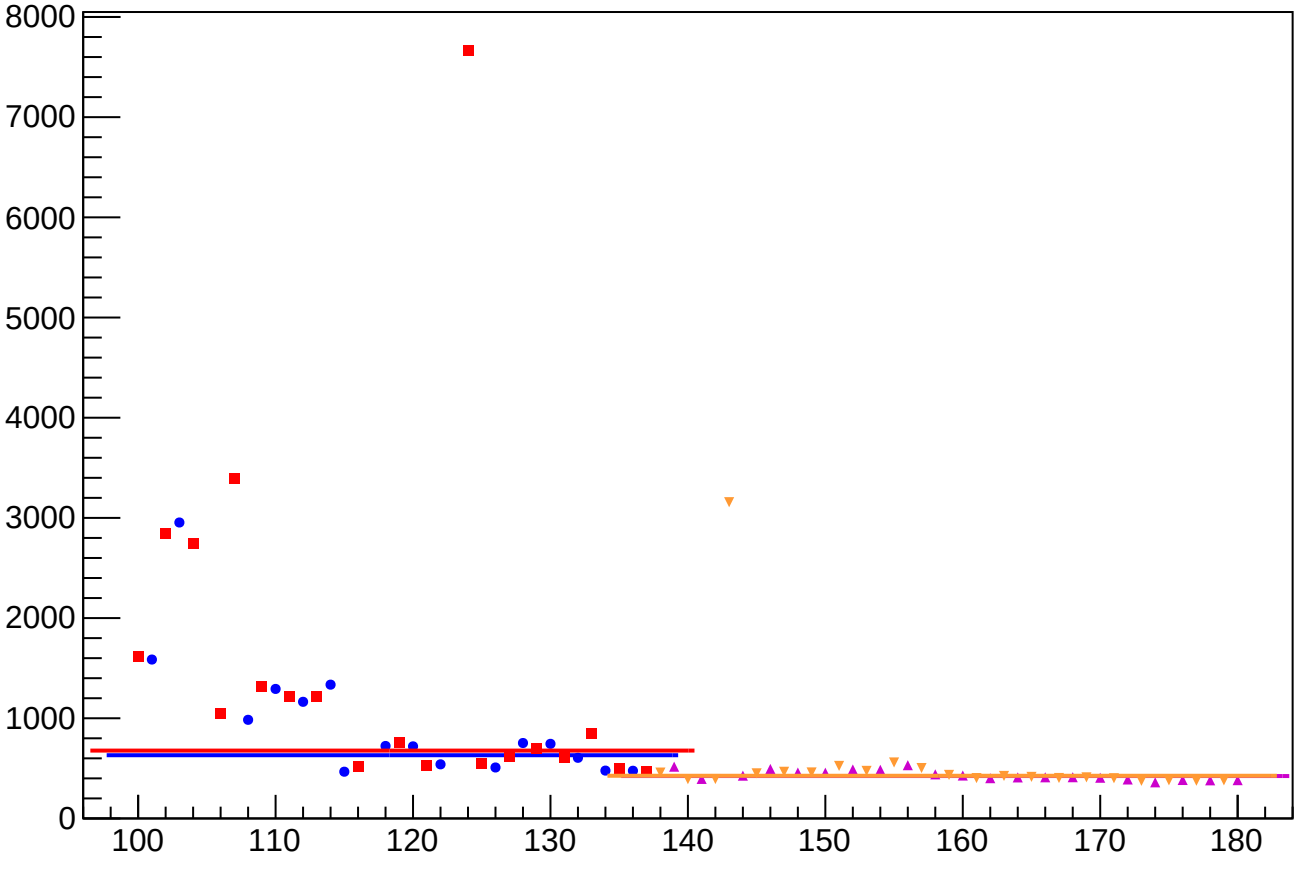
Left In: 63.957+/-102.661 χ^2/NDF:26.6/20

+ sign 442.271+/-96.864 χ^2/NDF: 79.3/37

All: 271.829+/-68.317 χ^2/NDF: 129.2/77

- 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: 426.115+/-0.074 χ^2/NDF:1604448.2/21

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

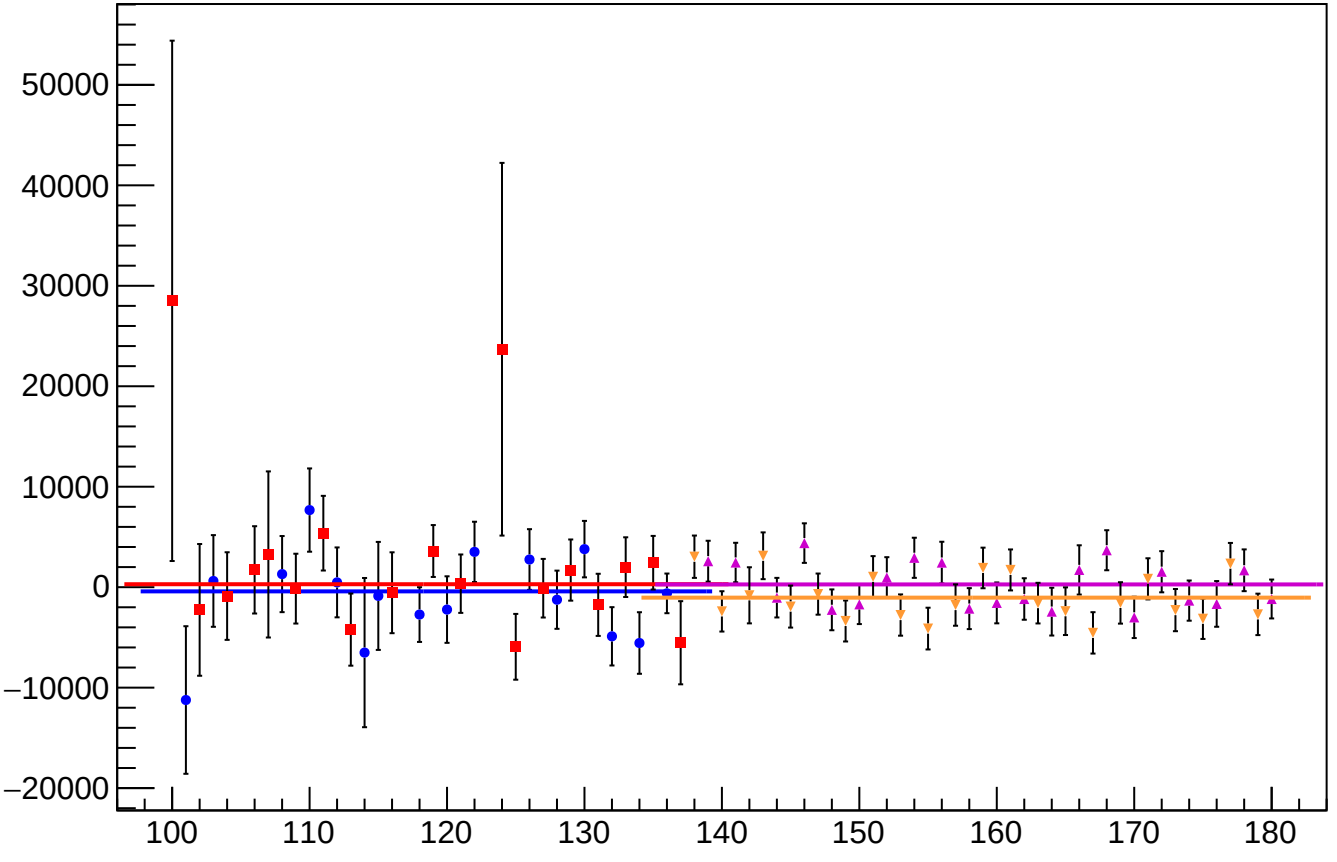
Left In: 423.263+/-0.073 χ^2/NDF:380603.4/20

+ sign 455.297+/-0.068 χ^2/NDF: 4932734.0/37

All: 454.376+/-0.048 χ^2/NDF: 9852065.4/77

- 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: -1041.504+/-447.383 χ^2/NDF:25.9/21

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

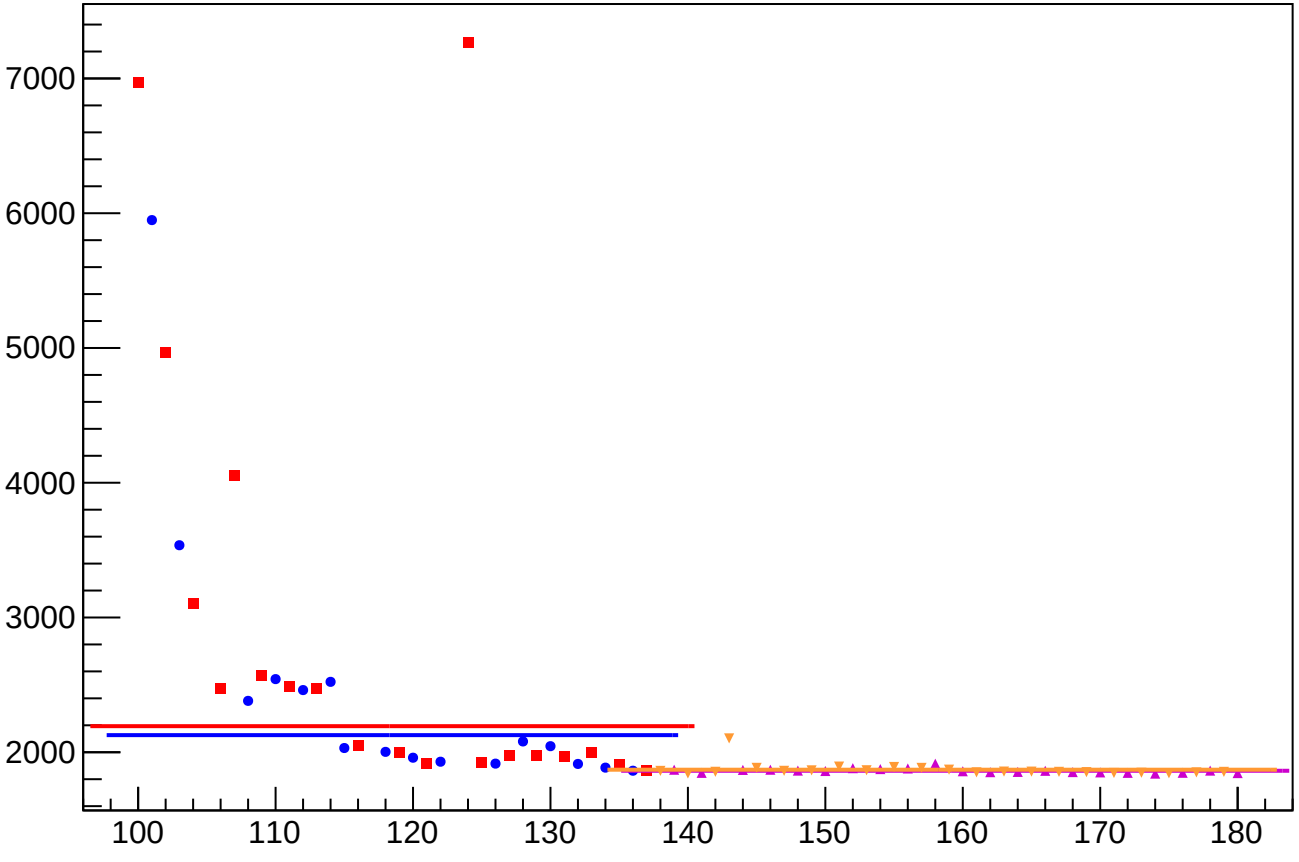
Left In: 274.685+/-448.403 χ^2/NDF:25.5/20

+ sign -897.150+/-392.221 χ^2/NDF: 44.7/37

All: -312.681+/-278.209 χ^2/NDF: 90.3/77

- 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: 1870.449+/-0.316 χ^2/NDF:22869.6/21

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

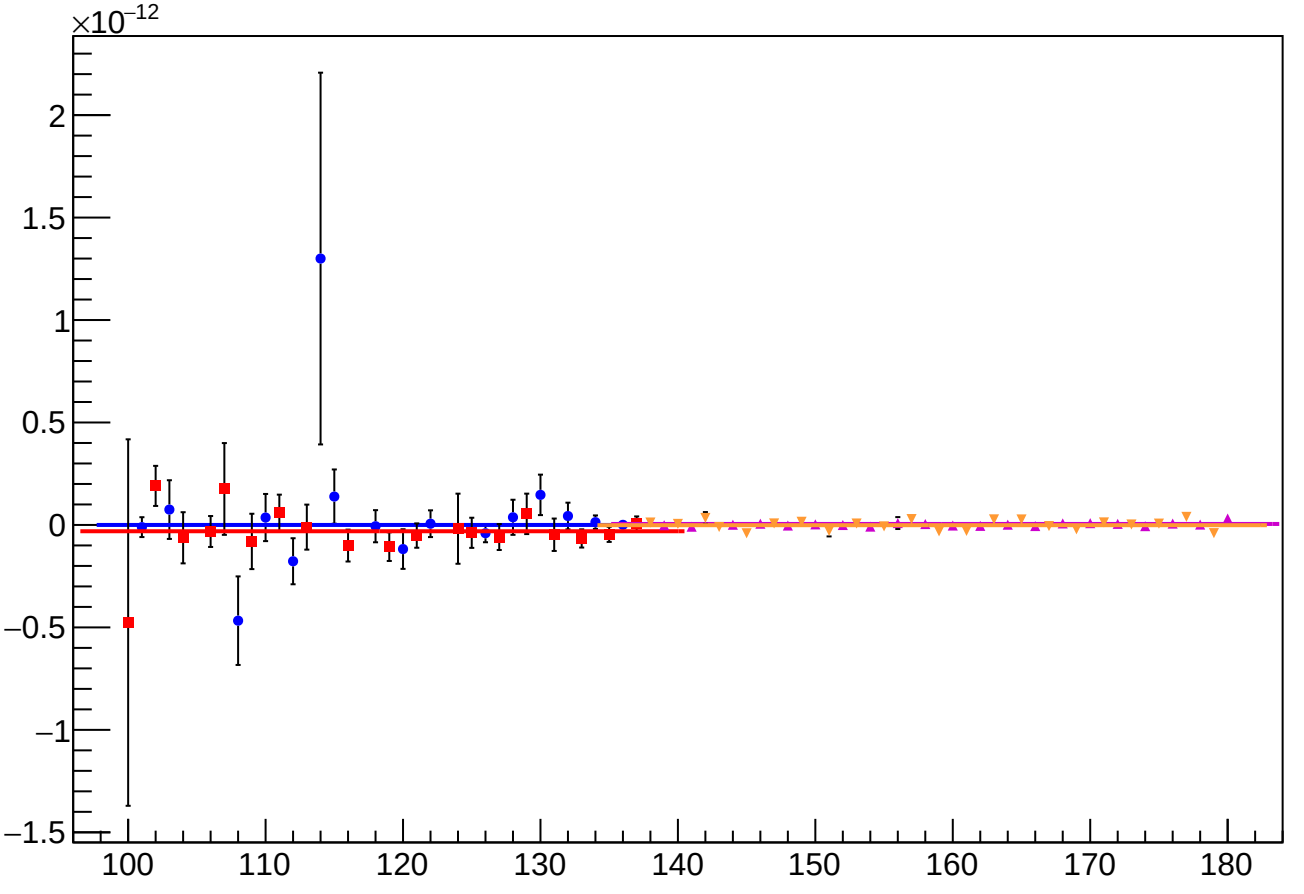
Left In: 1862.586+/-0.317 χ^2/NDF:2704.5/20

+ sign 1929.823+/-0.277 χ^2/NDF: 1050181.8/37

All: 1933.457+/-0.197 χ^2/NDF: 2241252.0/77

- 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:39.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

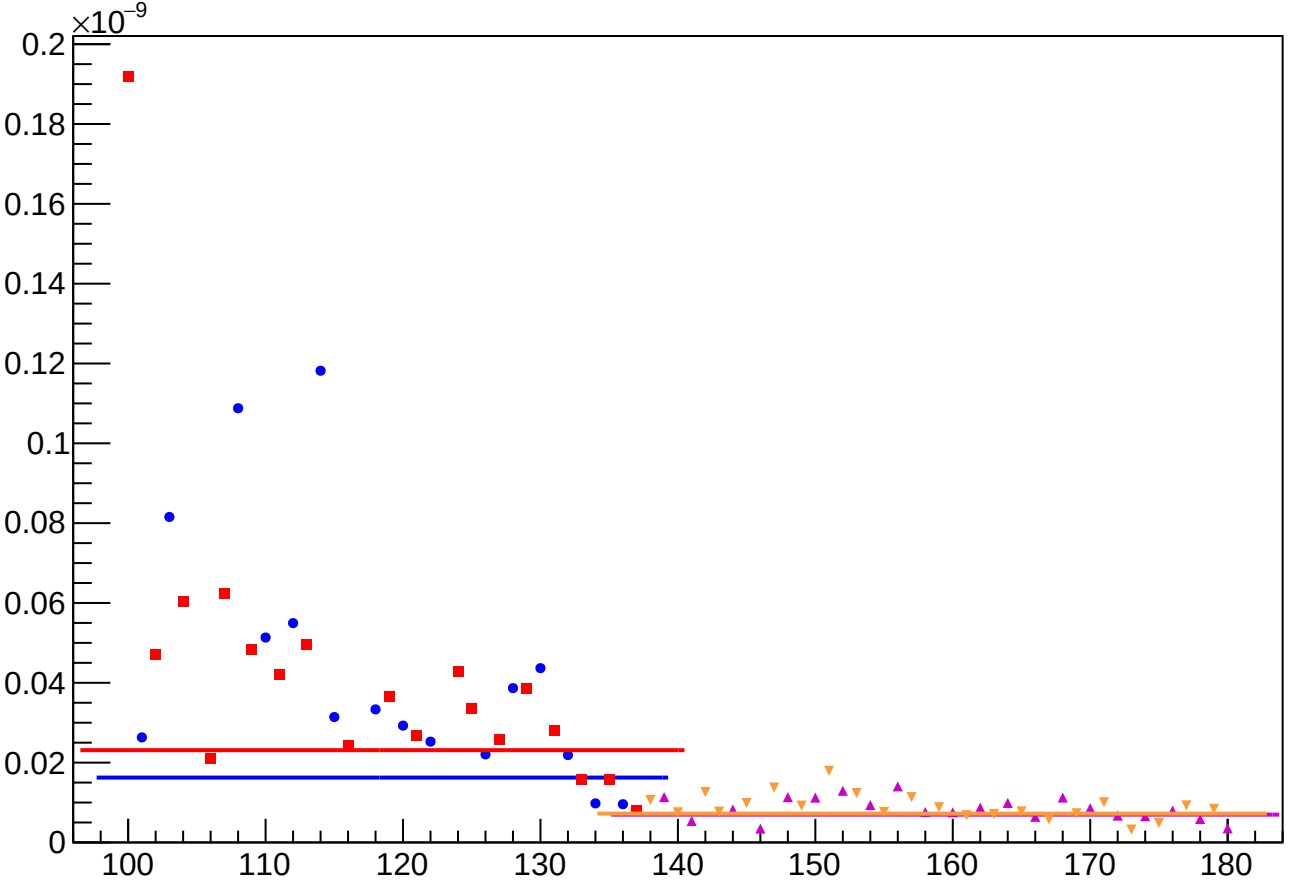
Left In: 0.000+/-0.000 χ^2/NDF:14.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 55.1/37

All: 0.000+/-0.000 χ^2/NDF: 88.1/77

- 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:1598152.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

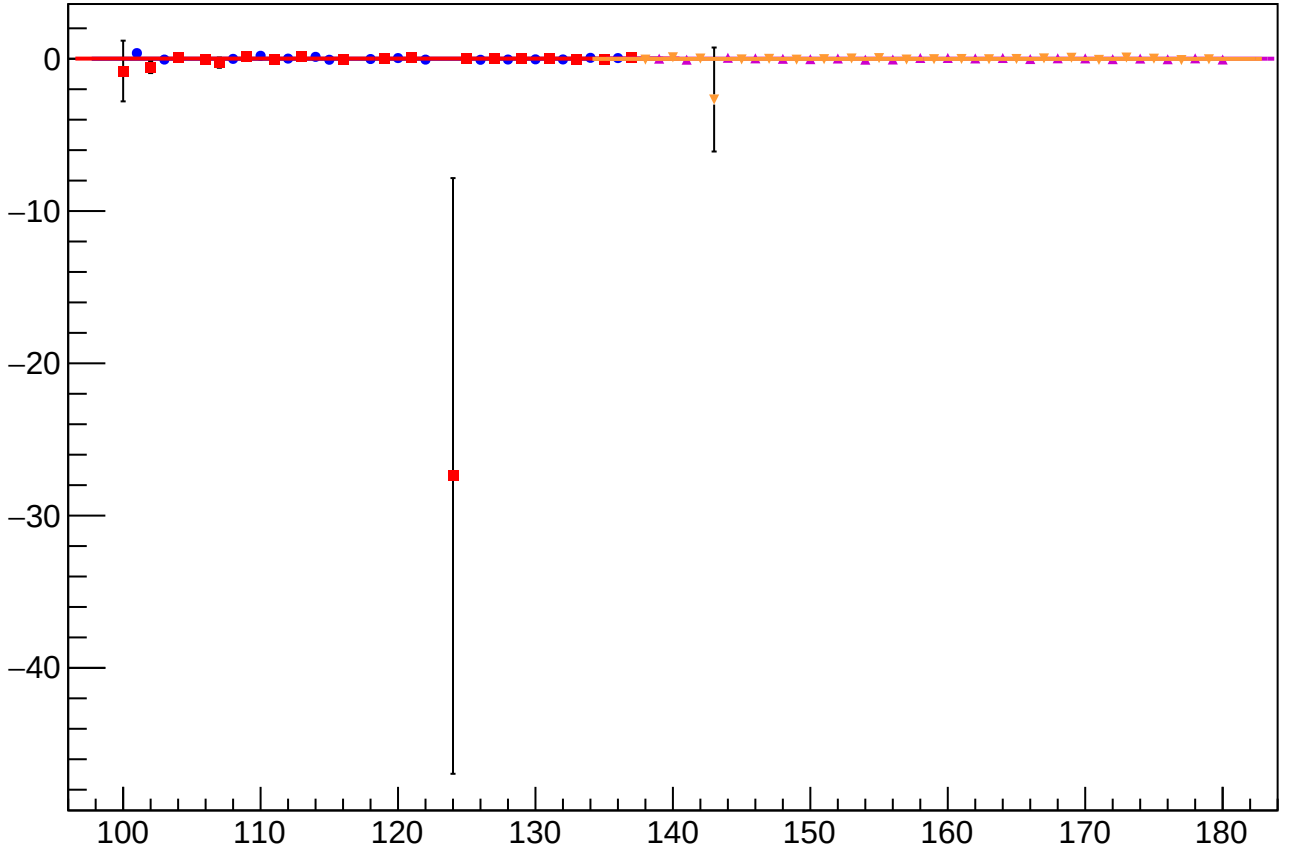
Left In: 0.000+/-0.000 χ^2/NDF:1445833.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 4968891.5/37

All: 0.000+/-0.000 χ^2/NDF: 9862417.5/77

- 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: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

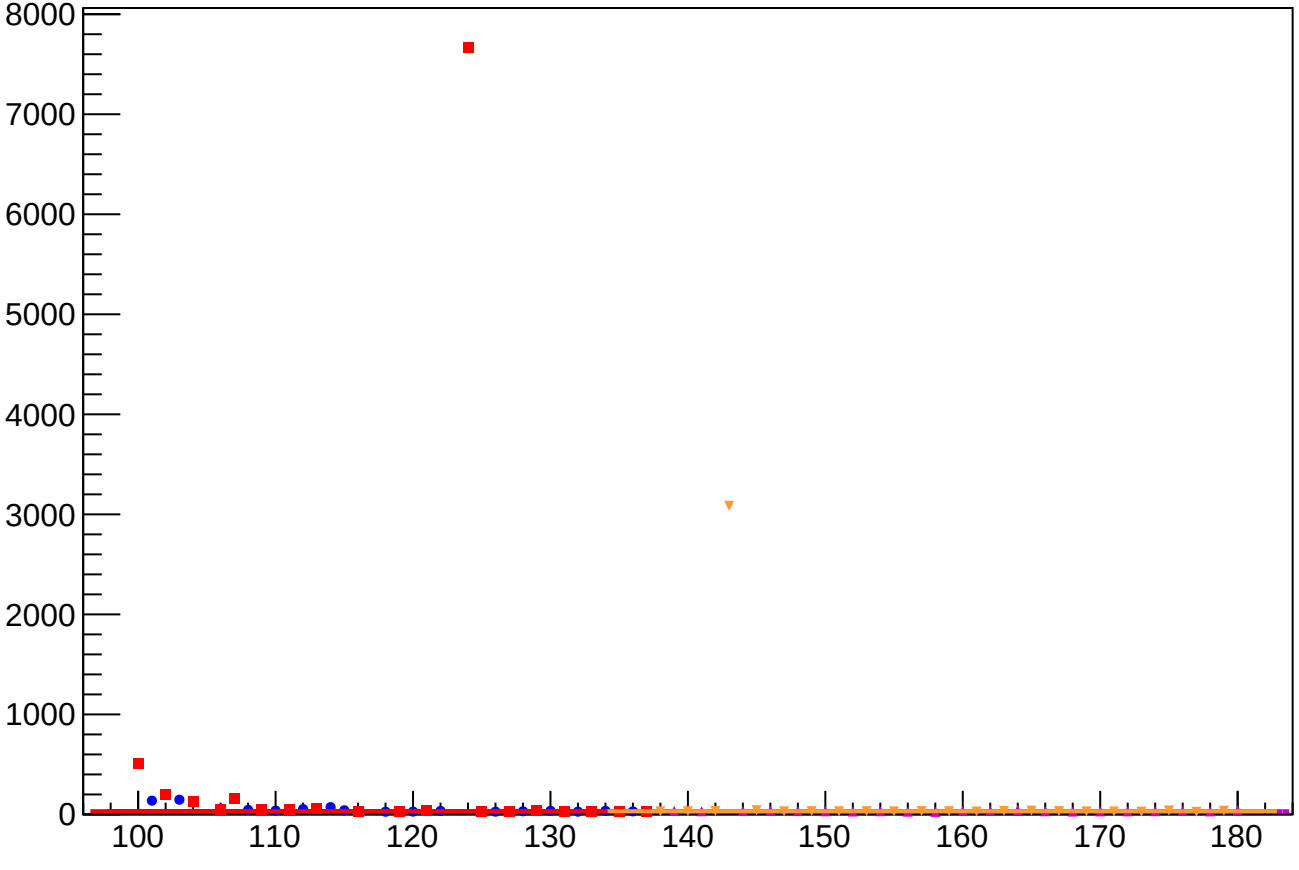
Left In: 0.005+/-0.009 χ^2/NDF:20.1/20

+ sign -0.006+/-0.007 χ^2/NDF: 56.9/37

All: 0.000+/-0.005 χ^2/NDF: 92.8/77

- 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: 31.980+/-0.006 χ^2/NDF:1940551.4/21

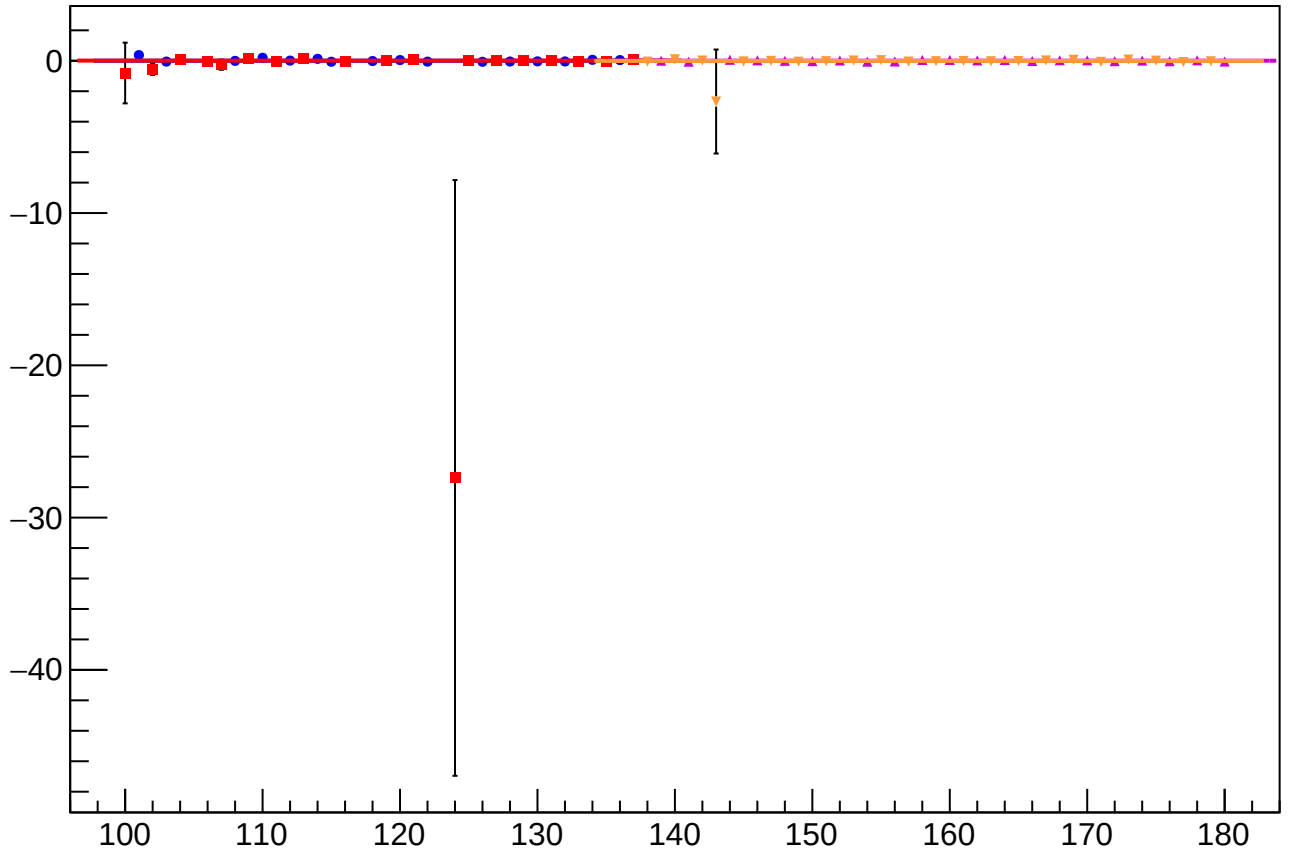
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.697+/-0.006 χ^2/NDF:390465.7/20

\+ sign 32.504+/-0.005 χ^2/NDF: 3687386.5/37

All: 32.649+/-0.004 χ^2/NDF: 6155509.1/77

\- 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: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

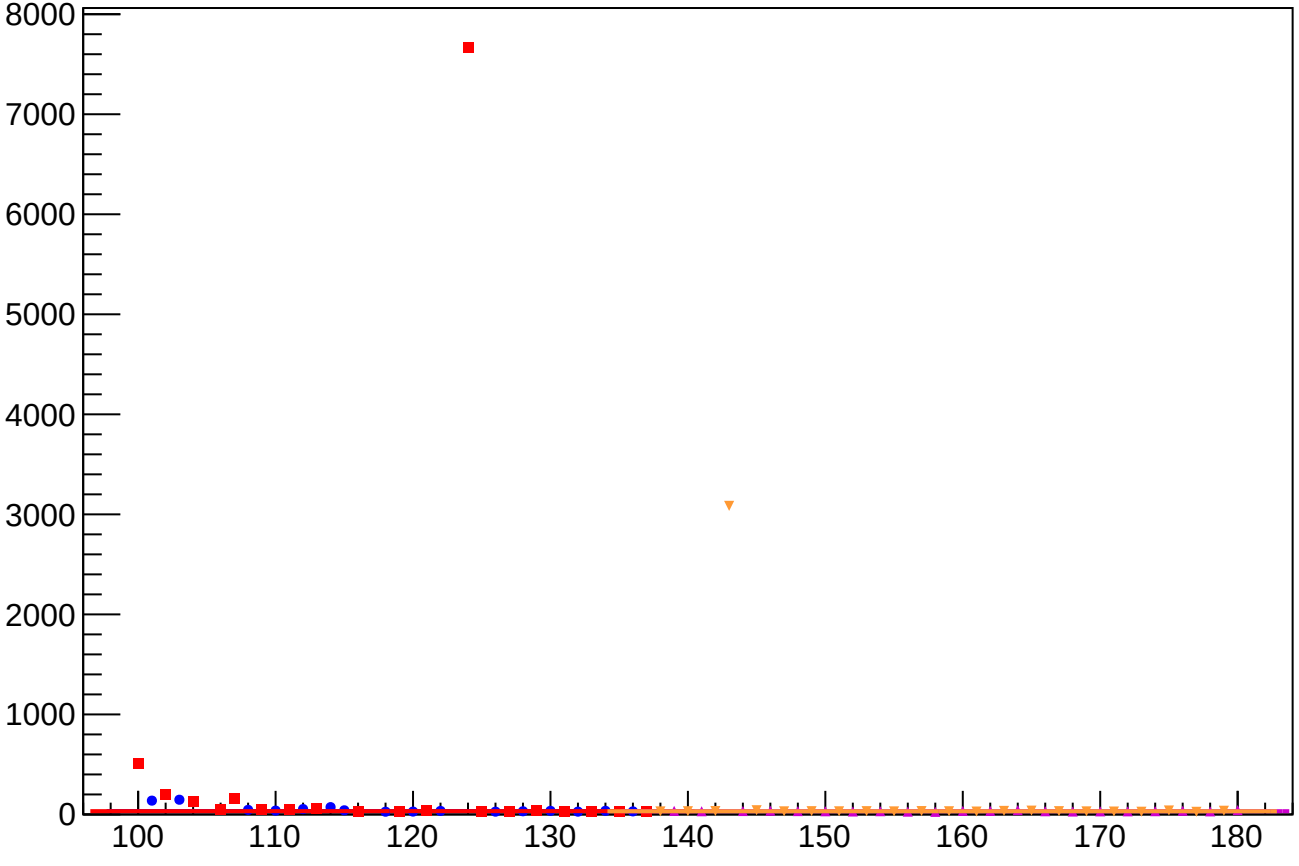
Left In: 0.005+/-0.009 χ^2/NDF:20.1/20

+ sign -0.006+/-0.007 χ^2/NDF: 56.9/37

All: 0.000+/-0.005 χ^2/NDF: 92.8/77

- 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: 31.980+/-0.006 χ^2/NDF:1940551.4/21

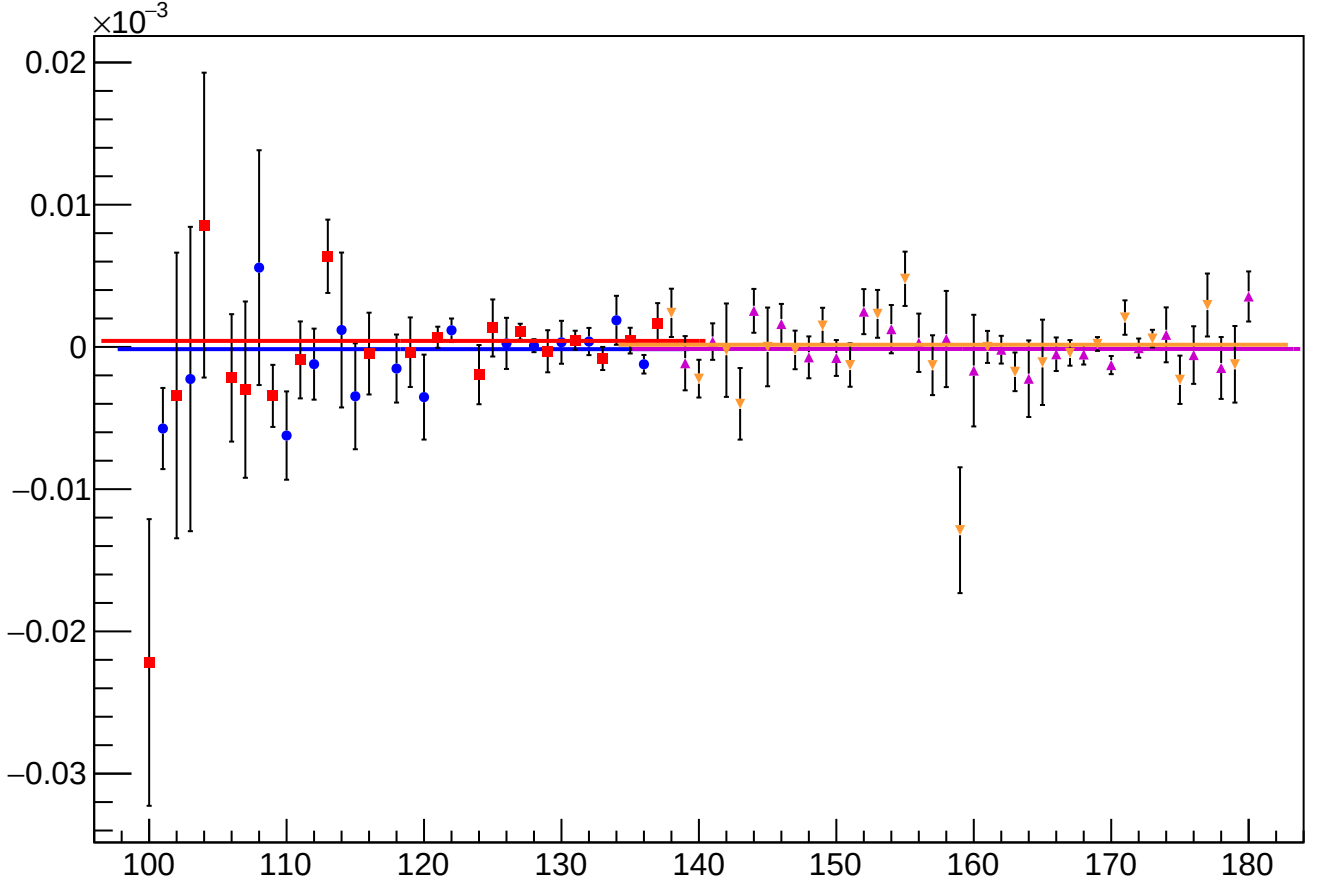
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.697+/-0.006 χ^2/NDF:390465.7/20

+ sign 32.504+/-0.005 χ^2/NDF: 3687386.5/37

All: 32.649+/-0.004 χ^2/NDF: 6155509.1/77

- 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:36.0/21

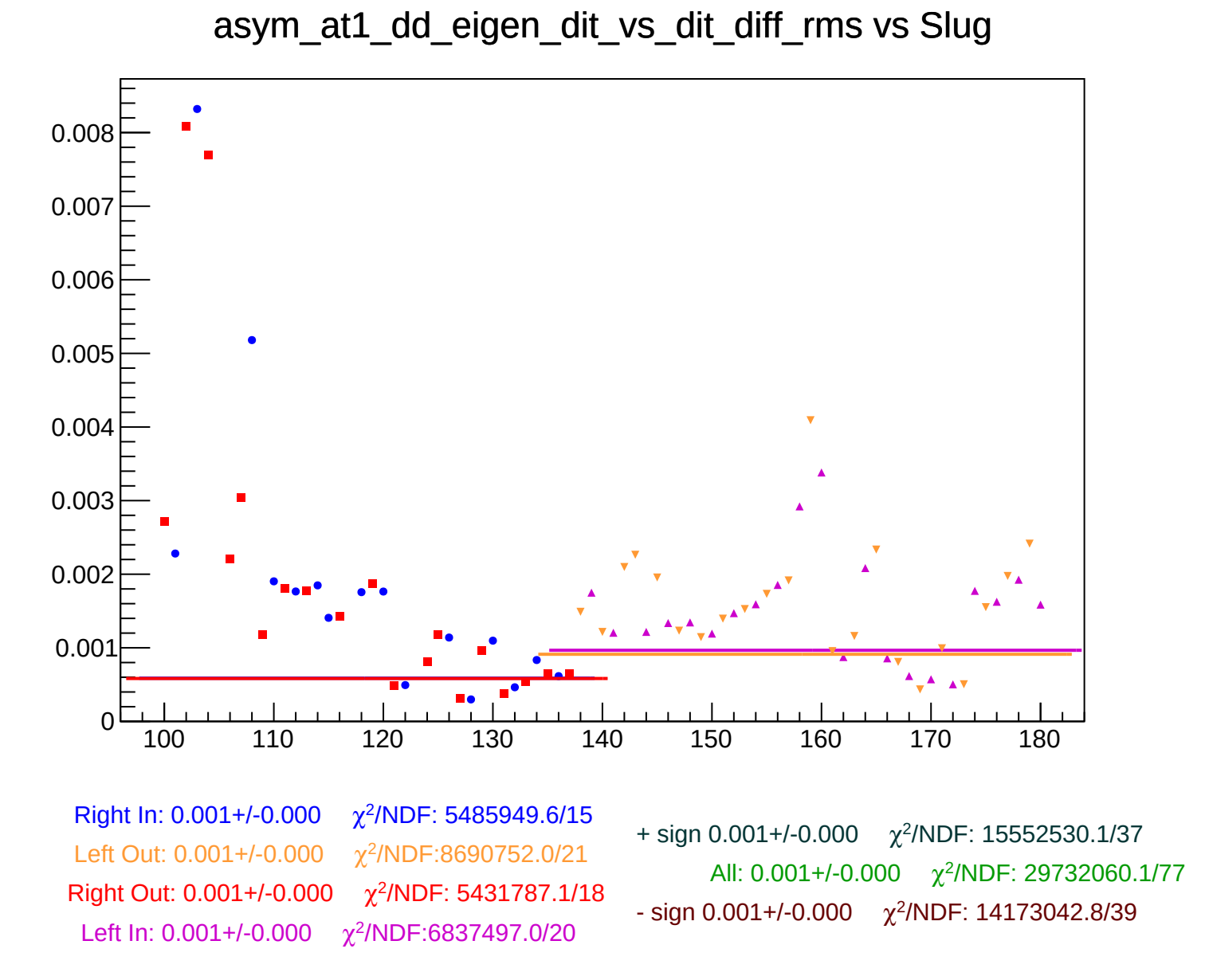
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

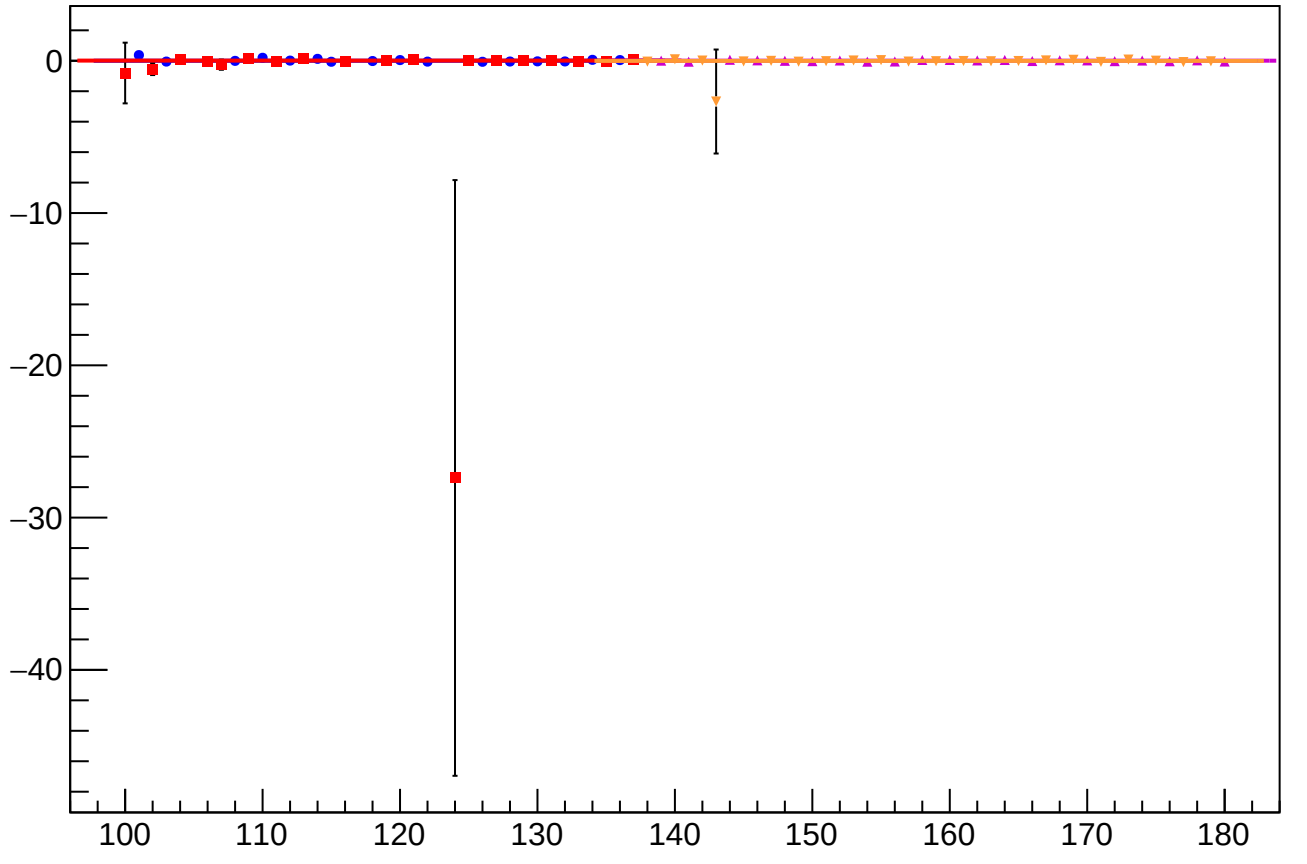
Left In: -0.000+/-0.000 χ^2/NDF:18.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 54.8/37

All: 0.000+/-0.000 χ^2/NDF: 97.0/77

- sign 0.000+/-0.000 χ^2/NDF: 42.0/39


asym_at1_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: 5485949.6/15
Left Out: 0.001+/-0.000 χ²/NDF:8690752.0/21
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:6837497.0/20
+ sign 0.001+/-0.000 χ²/NDF: 15552530.1/37
All: 0.001+/-0.000 χ²/NDF: 29732060.1/77
- sign 0.001+/-0.000 χ²/NDF: 14173042.8/39



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

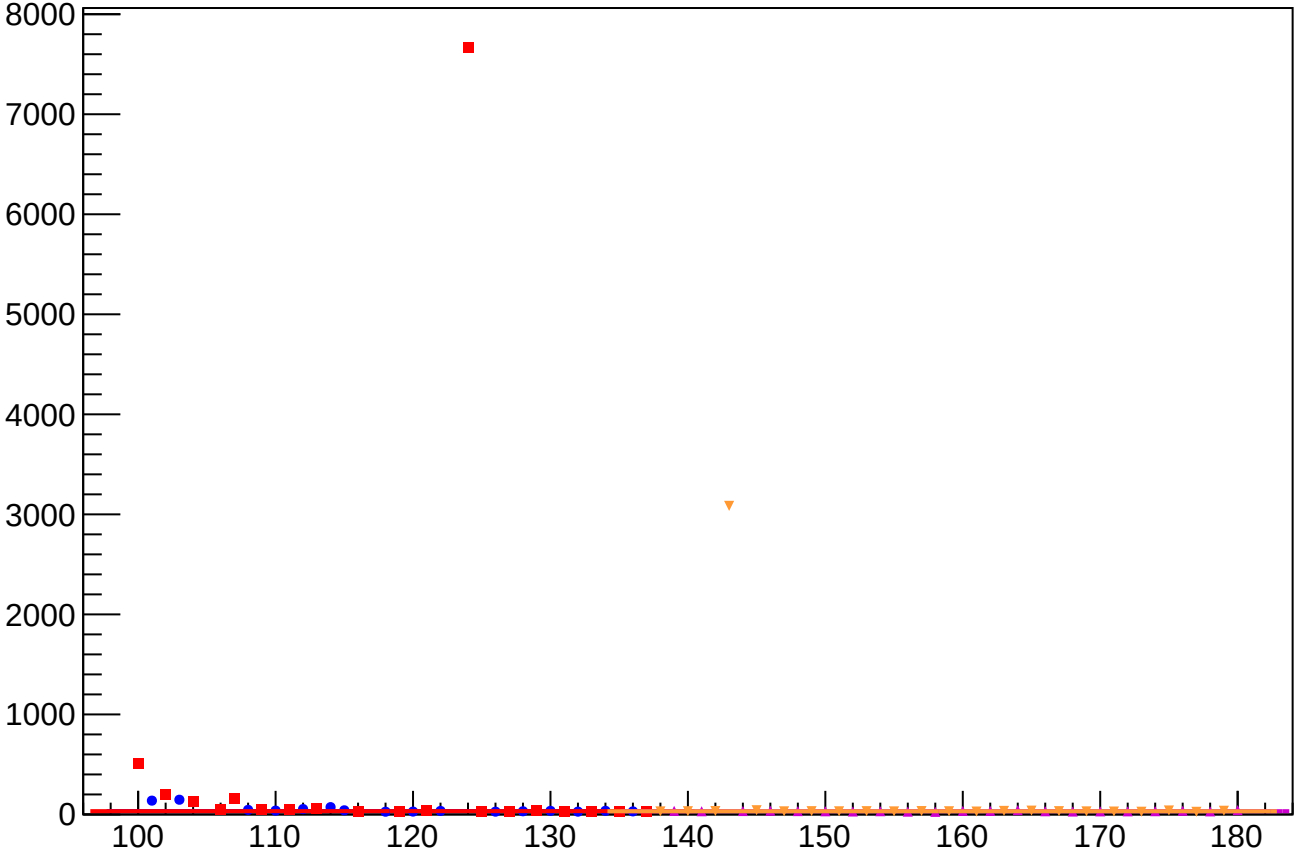
Left In: 0.005+/-0.009 χ^2/NDF:20.1/20

+ sign -0.006+/-0.007 χ^2/NDF: 56.9/37

All: 0.000+/-0.005 χ^2/NDF: 92.8/77

- 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: 31.980+/-0.006 χ^2/NDF:1940592.5/21

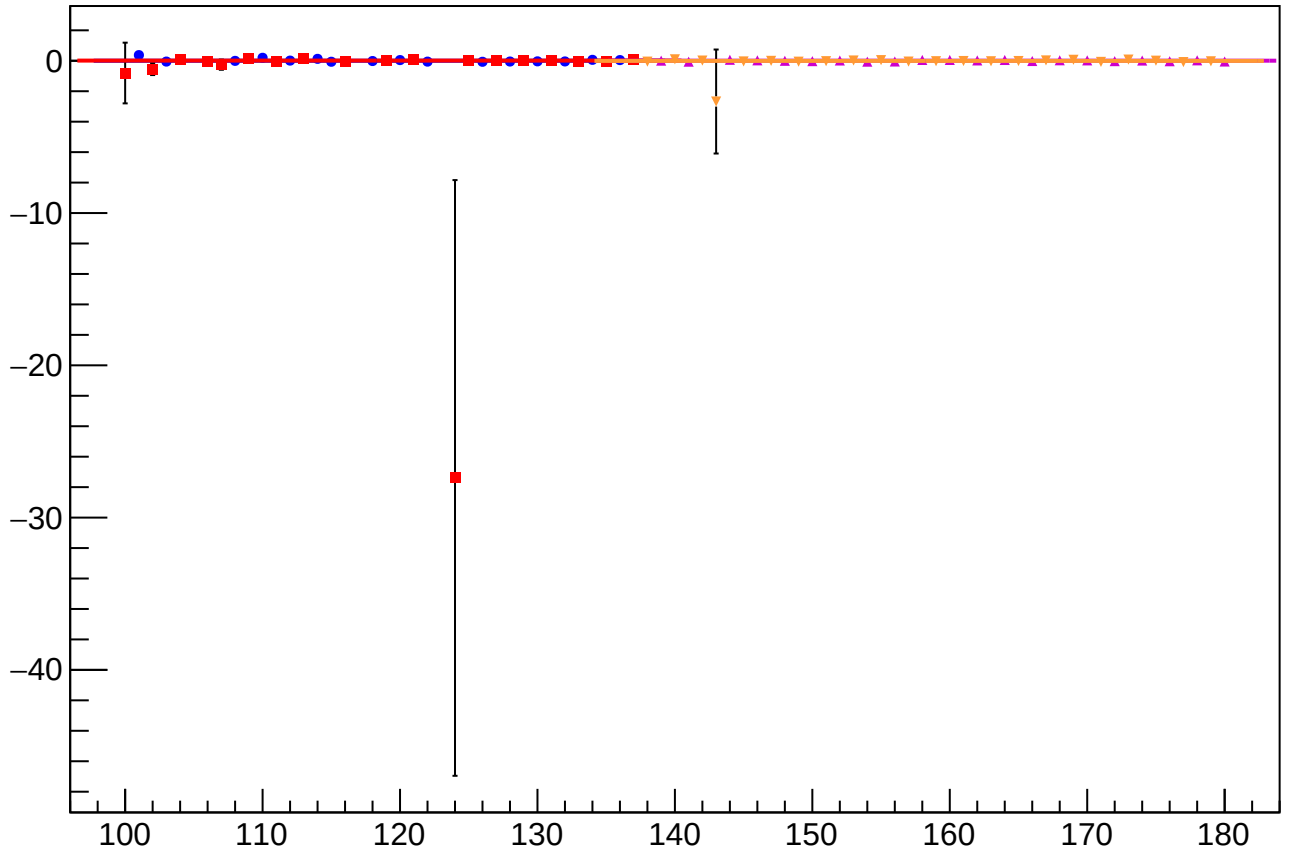
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.698+/-0.006 χ^2/NDF:390376.7/20

+ sign 32.504+/-0.005 χ^2/NDF: 3687419.4/37

All: 32.649+/-0.004 χ^2/NDF: 6155434.8/77

- 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: -0.008+/-0.009 χ^2/NDF:35.6/21

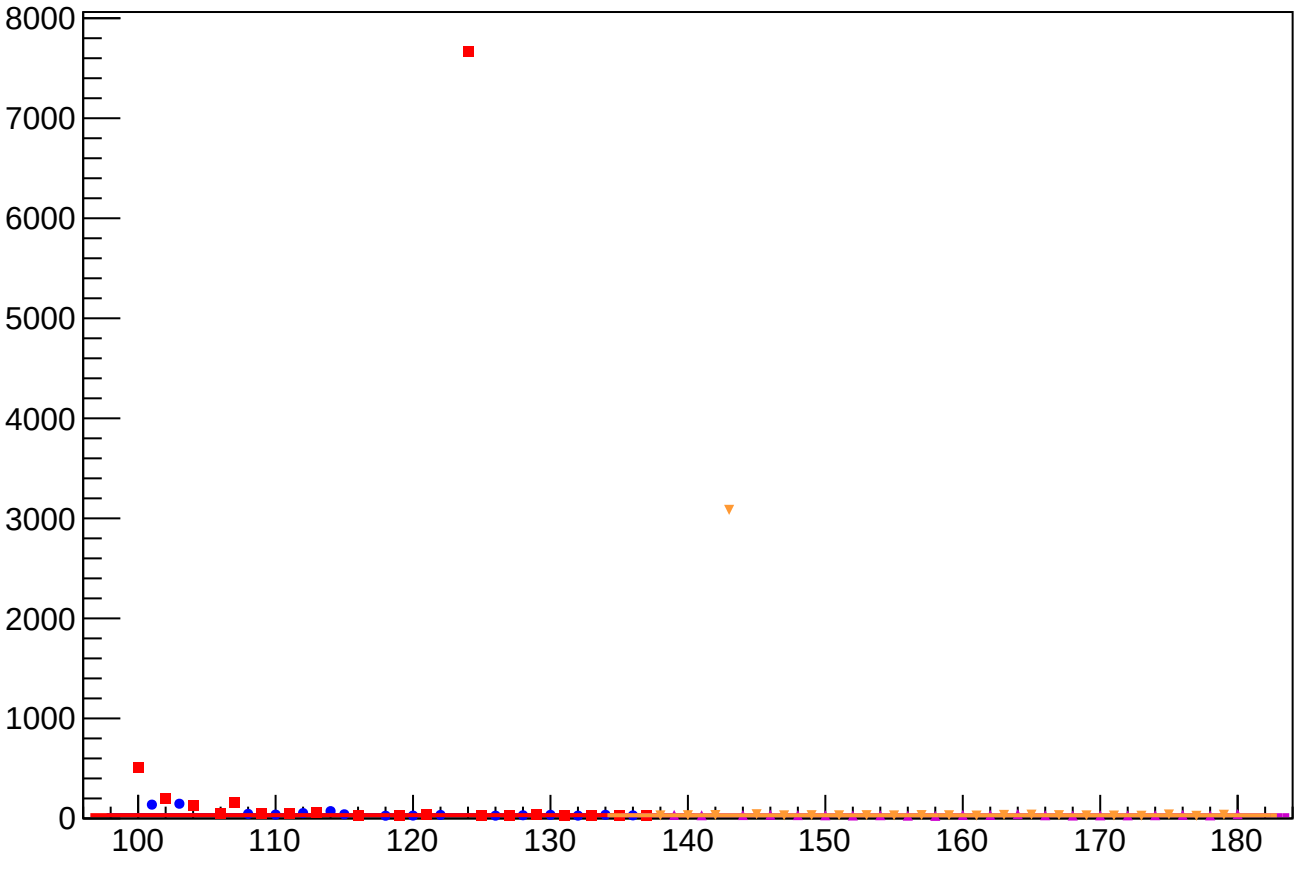
Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.009 χ^2/NDF:20.1/20

+ sign -0.006+/-0.007 χ^2/NDF: 56.9/37

All: 0.000+/-0.005 χ^2/NDF: 92.8/77

- 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: 31.980+/-0.006 χ^2/NDF:1940592.5/21

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

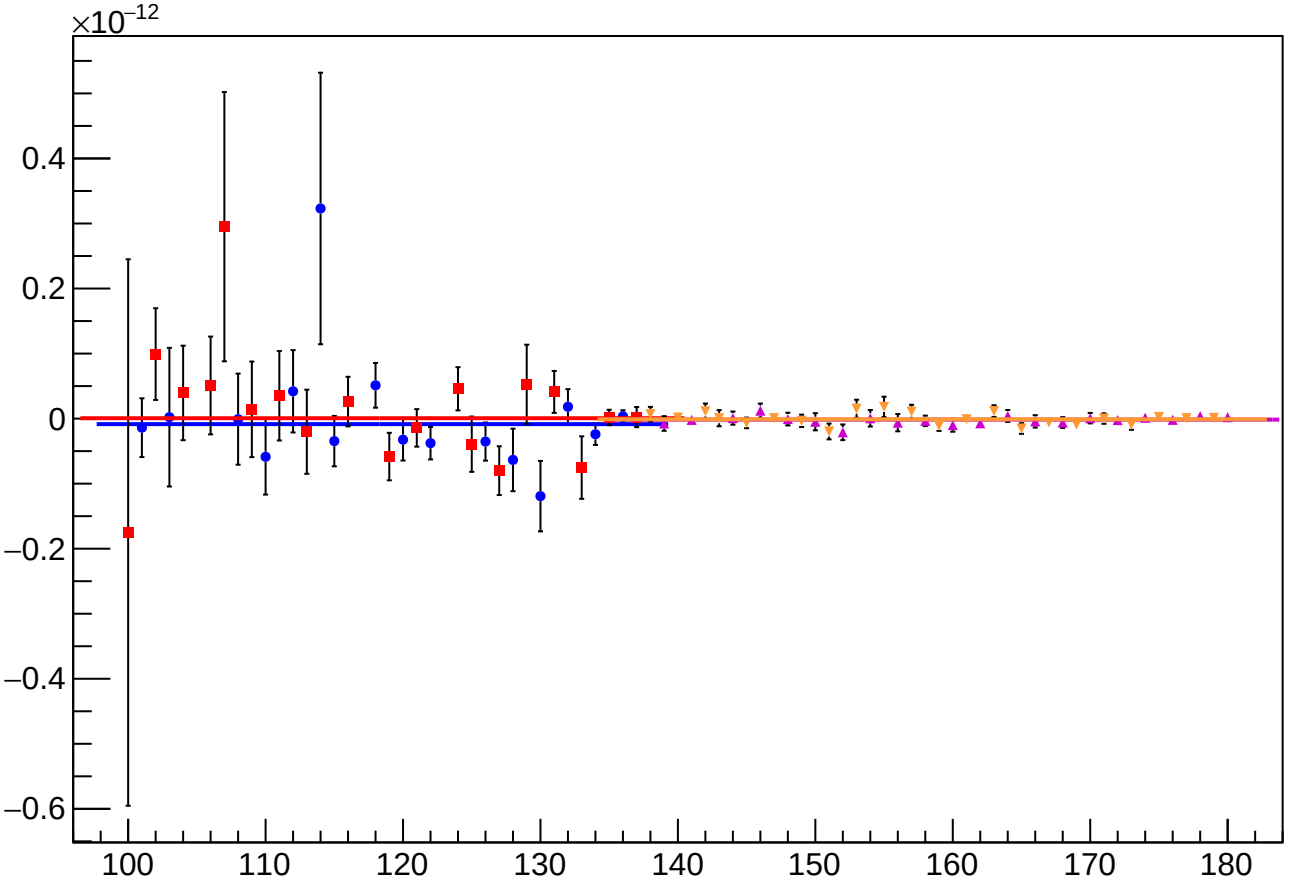
Left In: 32.698+/-0.006 χ^2/NDF:390376.7/20

+ sign 32.504+/-0.005 χ^2/NDF: 3687419.4/37

All: 32.649+/-0.004 χ^2/NDF: 6155434.8/77

- 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:18.7/21

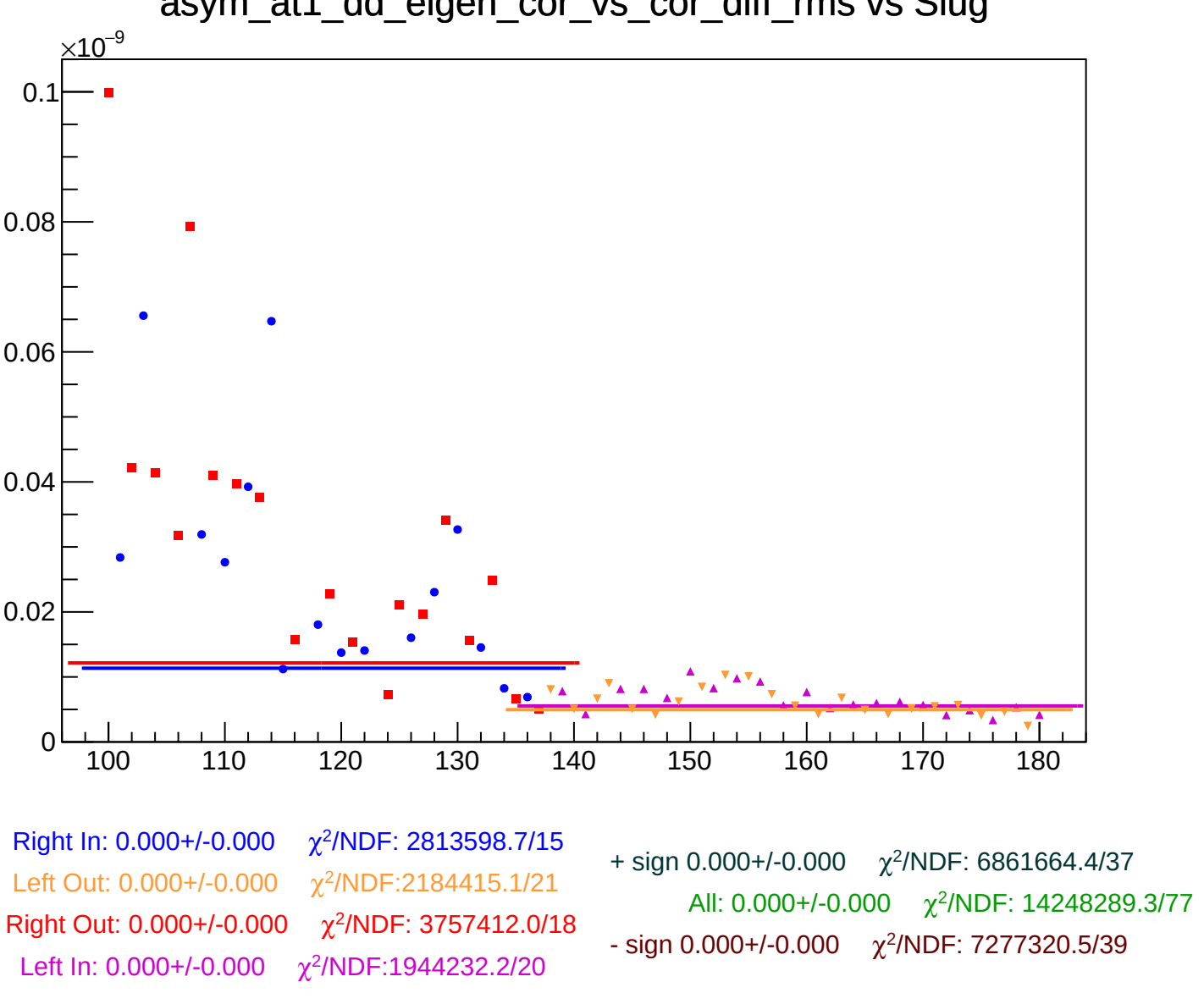
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/20

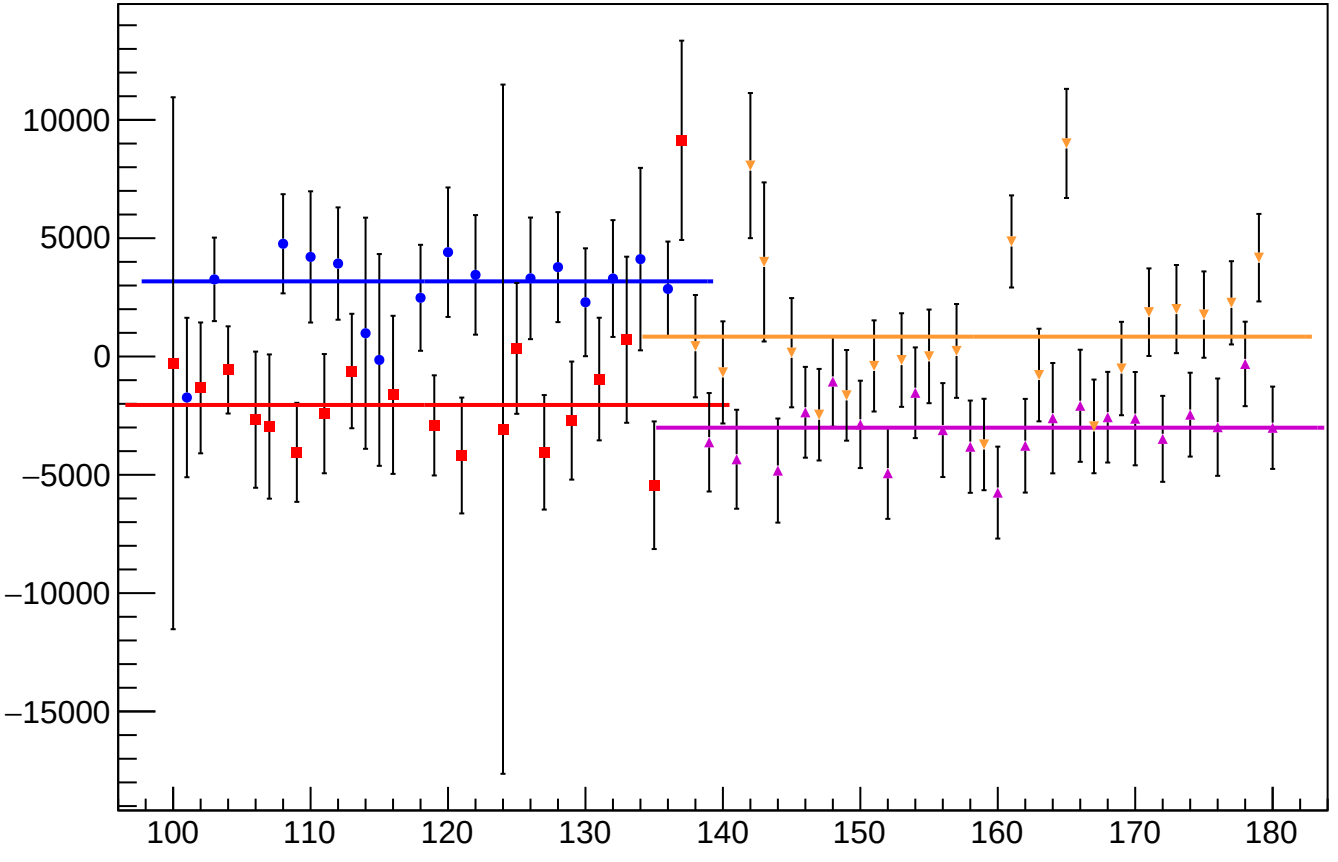
+ sign -0.000+/-0.000 χ^2/NDF: 39.2/37

All: -0.000+/-0.000 χ^2/NDF: 68.3/77

- sign -0.000+/-0.000 χ^2/NDF: 29.1/39


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2184415.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:1944232.2/20
+ sign 0.000+/-0.000 χ²/NDF: 6861664.4/37
All: 0.000+/-0.000 χ²/NDF: 14248289.3/77
- sign 0.000+/-0.000 χ²/NDF: 7277320.5/39

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.480+/-431.357 χ^2/NDF:44.6/21

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

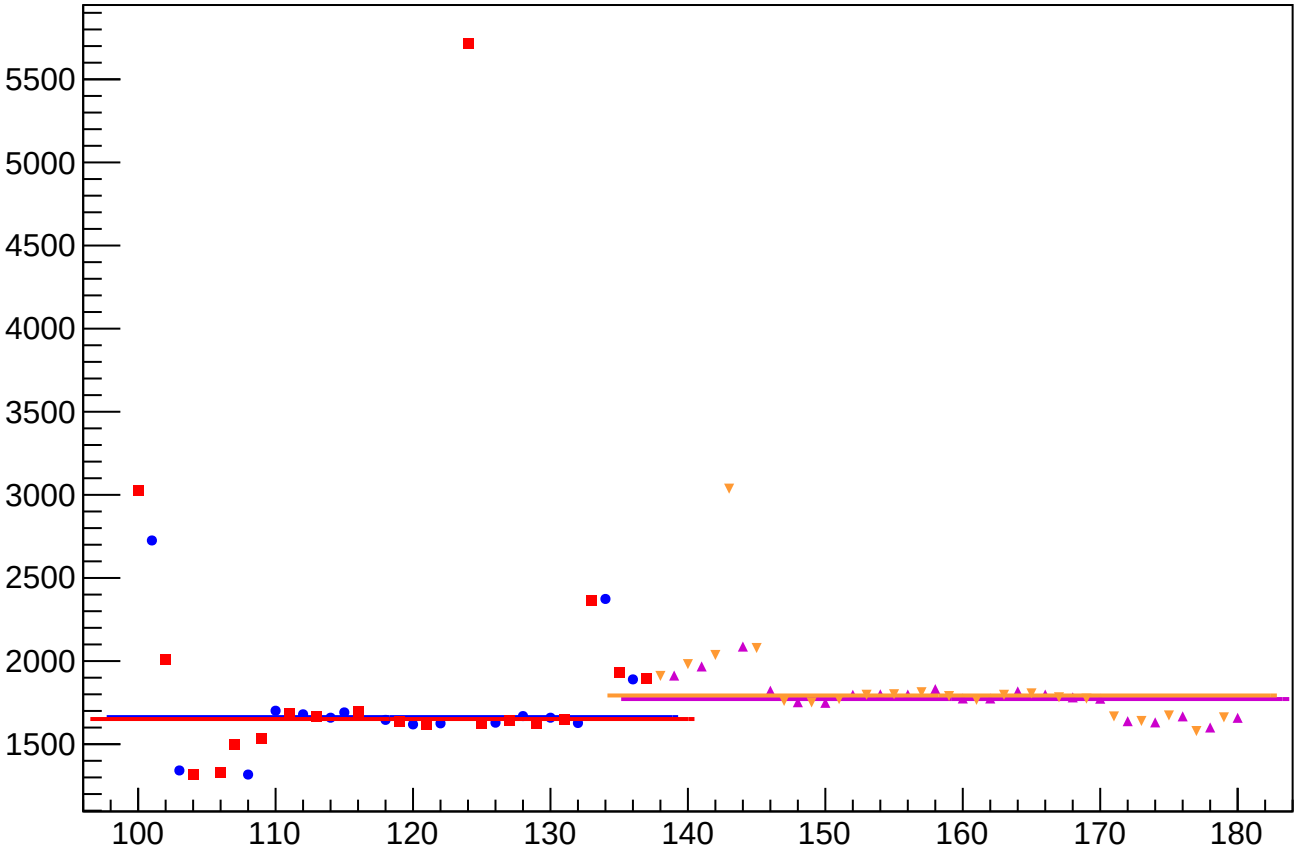
Left In: -3008.641+/-427.335 χ^2/NDF:9.0/20

+ sign 1587.676+/-355.559 χ^2/NDF: 58.4/37

All: -576.990+/-250.196 χ^2/NDF: 156.4/77

- 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: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

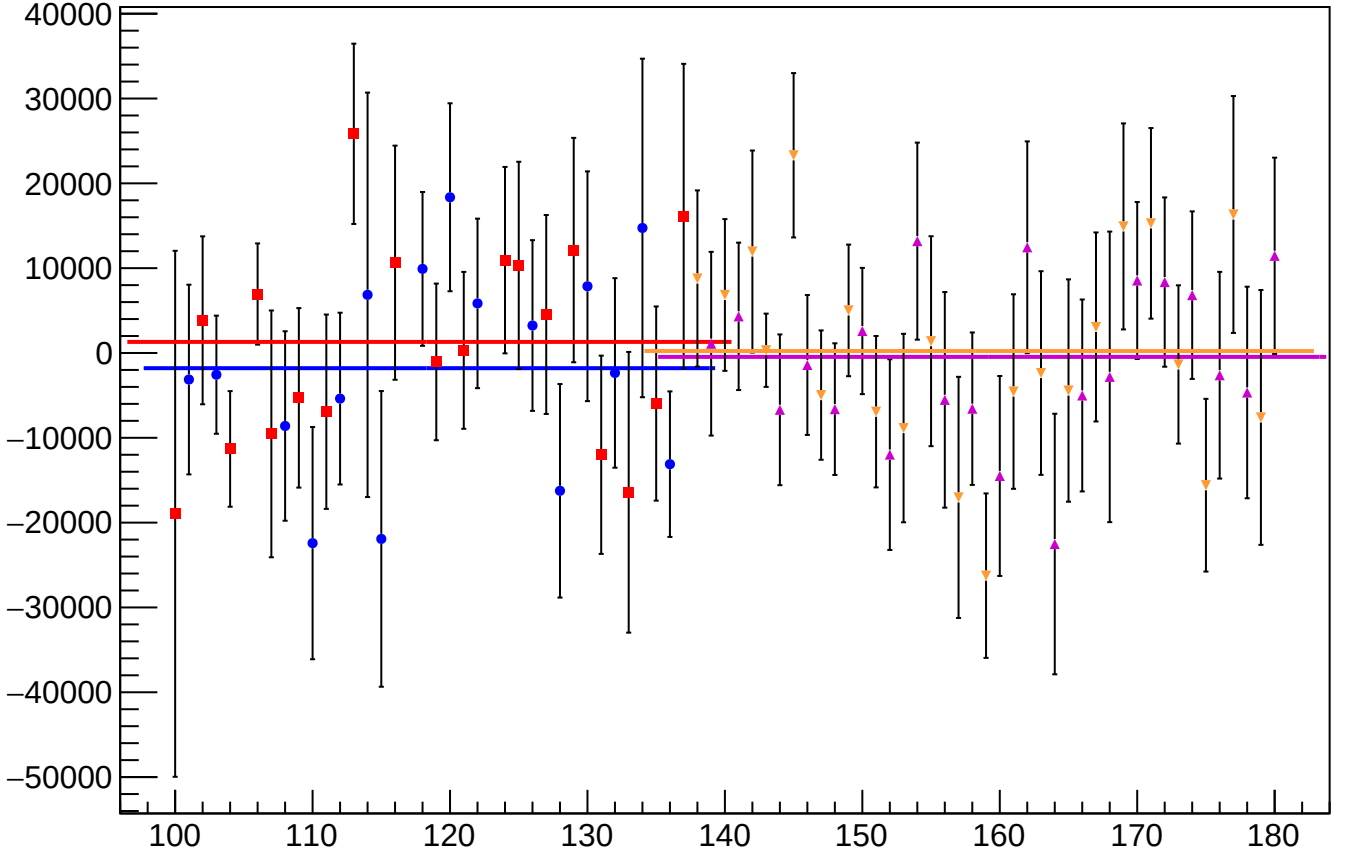
Left In: 1771.536+/-0.302 χ^2/NDF:129214.1/20

+ sign 1751.304+/-0.251 χ^2/NDF: 886344.6/37

All: 1742.036+/-0.177 χ^2/NDF: 1501022.7/77

- 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: 229.945+/-2026.567 χ^2/NDF:26.7/21

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

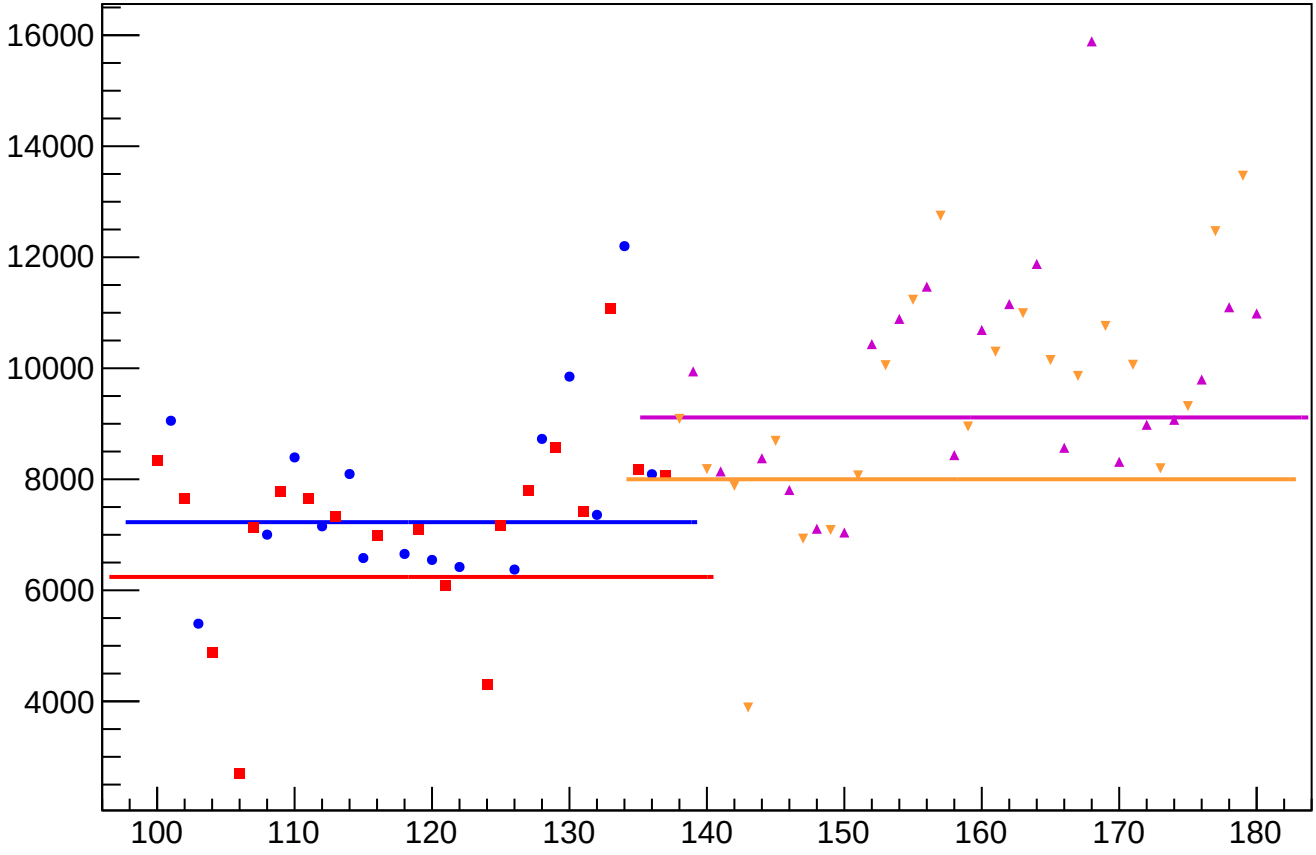
Left In: -460.699+/-2239.642 χ^2/NDF:12.9/20

+ sign -483.464+/-1630.093 χ^2/NDF: 41.4/37

All: -70.570+/-1158.538 χ^2/NDF: 72.4/77

- 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: 8000.267+/-1.433 χ^2/NDF:3350044.4/21

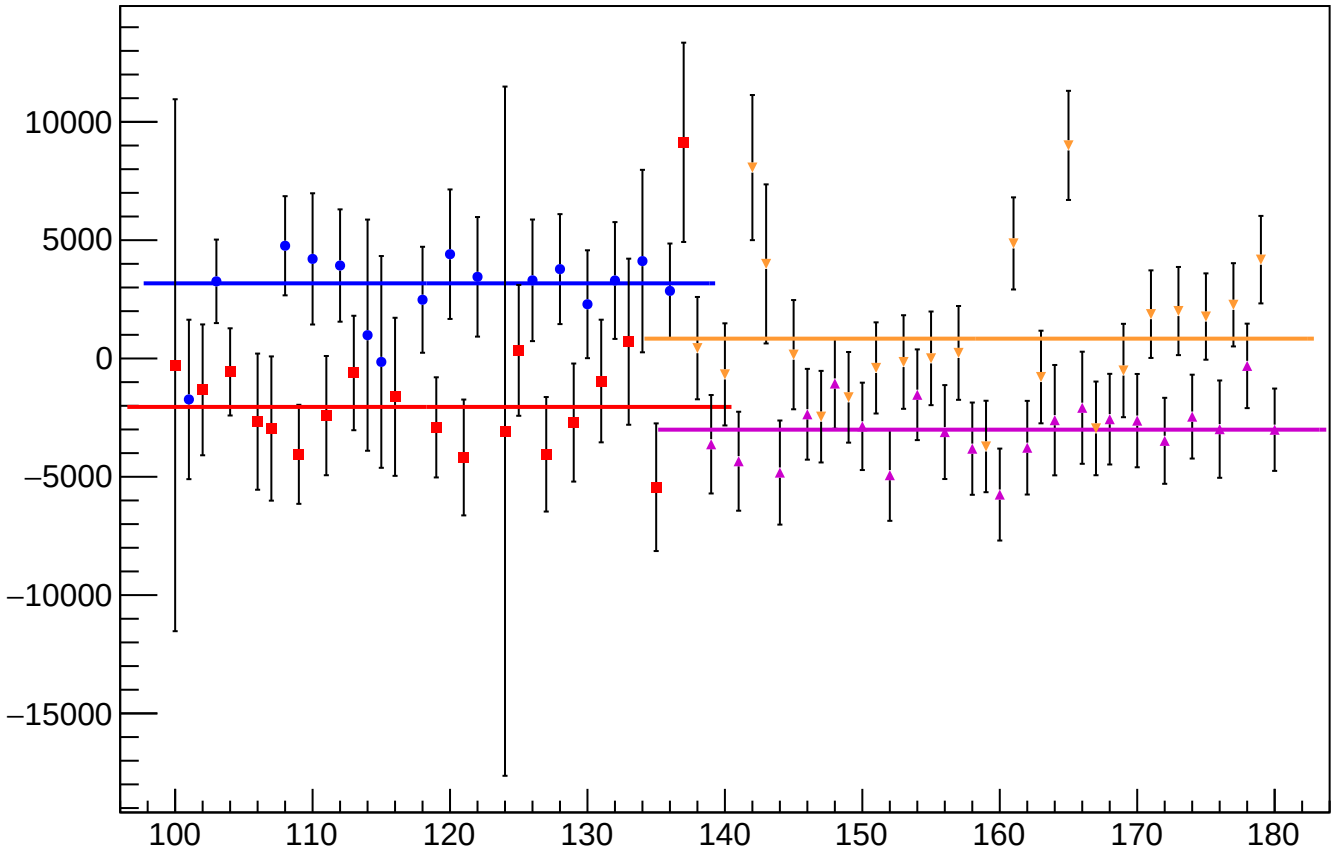
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 9114.285+/-1.584 χ^2/NDF:1140168.4/20

+ sign 7727.510+/-1.153 χ^2/NDF: 3955937.0/37

All: 7760.618+/-0.819 χ^2/NDF: 8009194.4/77

- 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: 838.400+/-431.357 χ^2/NDF:44.7/21

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

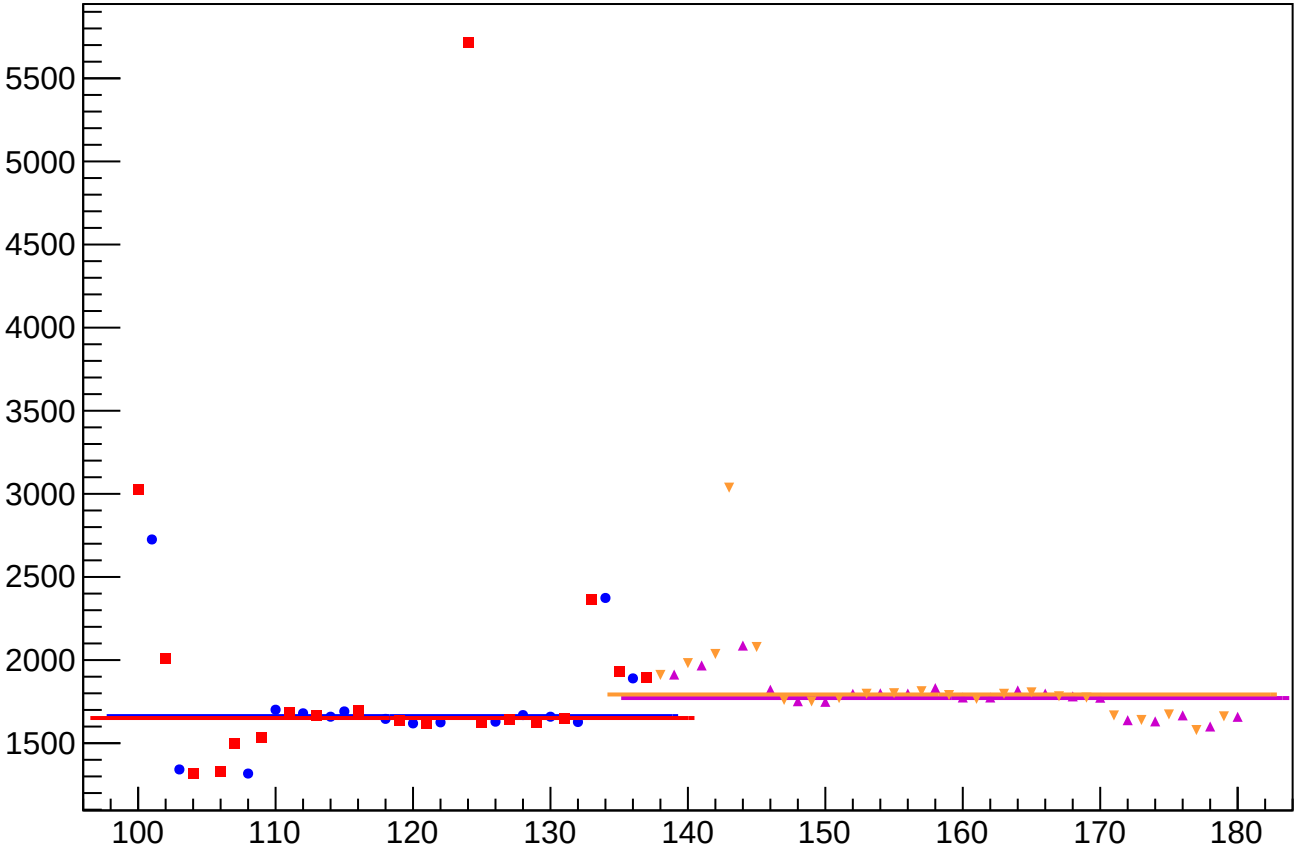
Left In: -3008.527+/-427.335 χ^2/NDF:9.0/20

+ sign 1587.650+/-355.559 χ^2/NDF: 58.4/37

All: -576.932+/-250.196 χ^2/NDF: 156.4/77

- 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: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

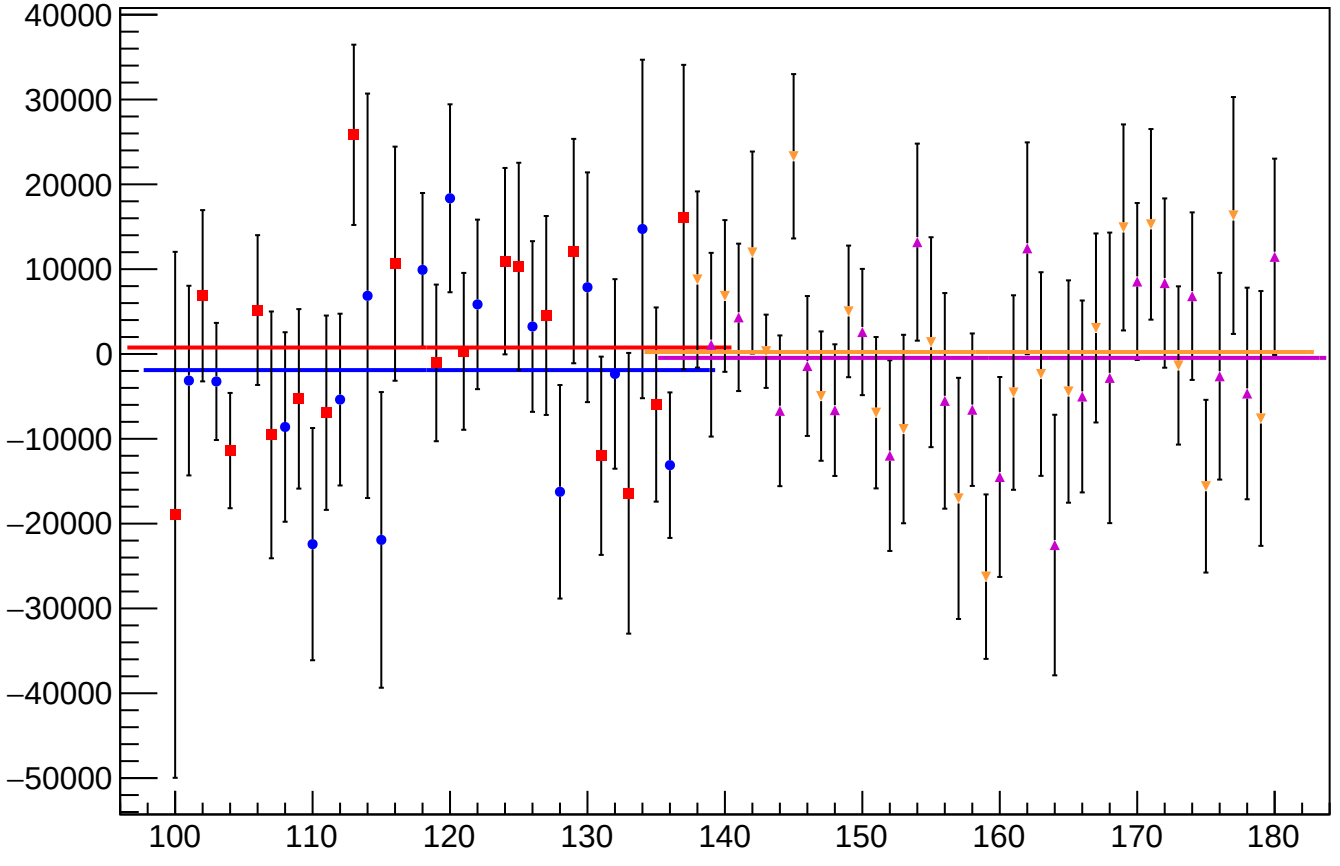
Left In: 1771.536+/-0.302 χ^2/NDF:129214.0/20

+ sign 1751.304+/-0.251 χ^2/NDF: 886345.1/37

All: 1742.036+/-0.177 χ^2/NDF: 1501023.4/77

- 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: 229.877+/-2026.562 χ^2/NDF:26.7/21

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

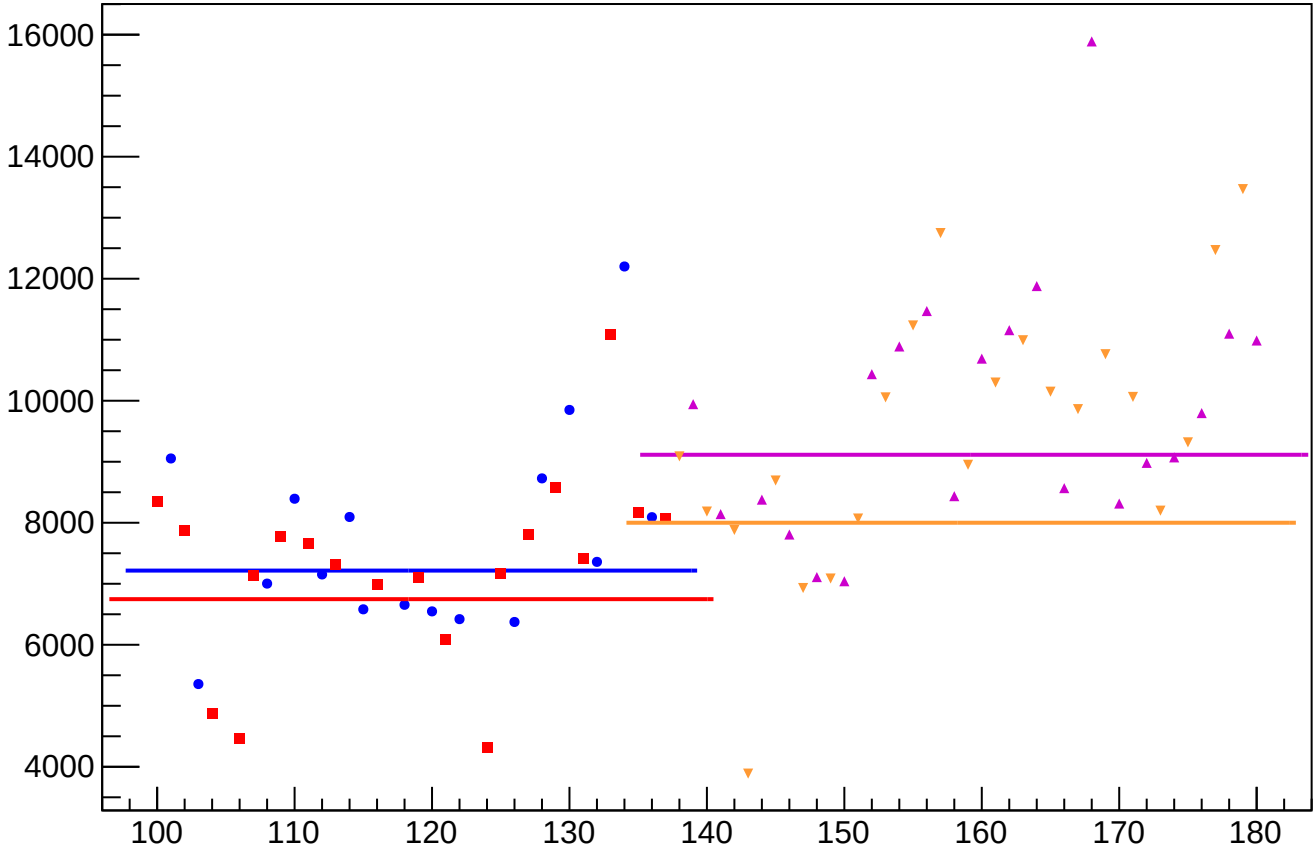
Left In: -460.737+/-2239.640 χ^2/NDF:12.9/20

+ sign -523.317+/-1629.321 χ^2/NDF: 41.4/37

All: -235.272+/-1170.533 χ^2/NDF: 71.8/77

- 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: 8000.237+/-1.433 χ^2/NDF:3350119.6/21

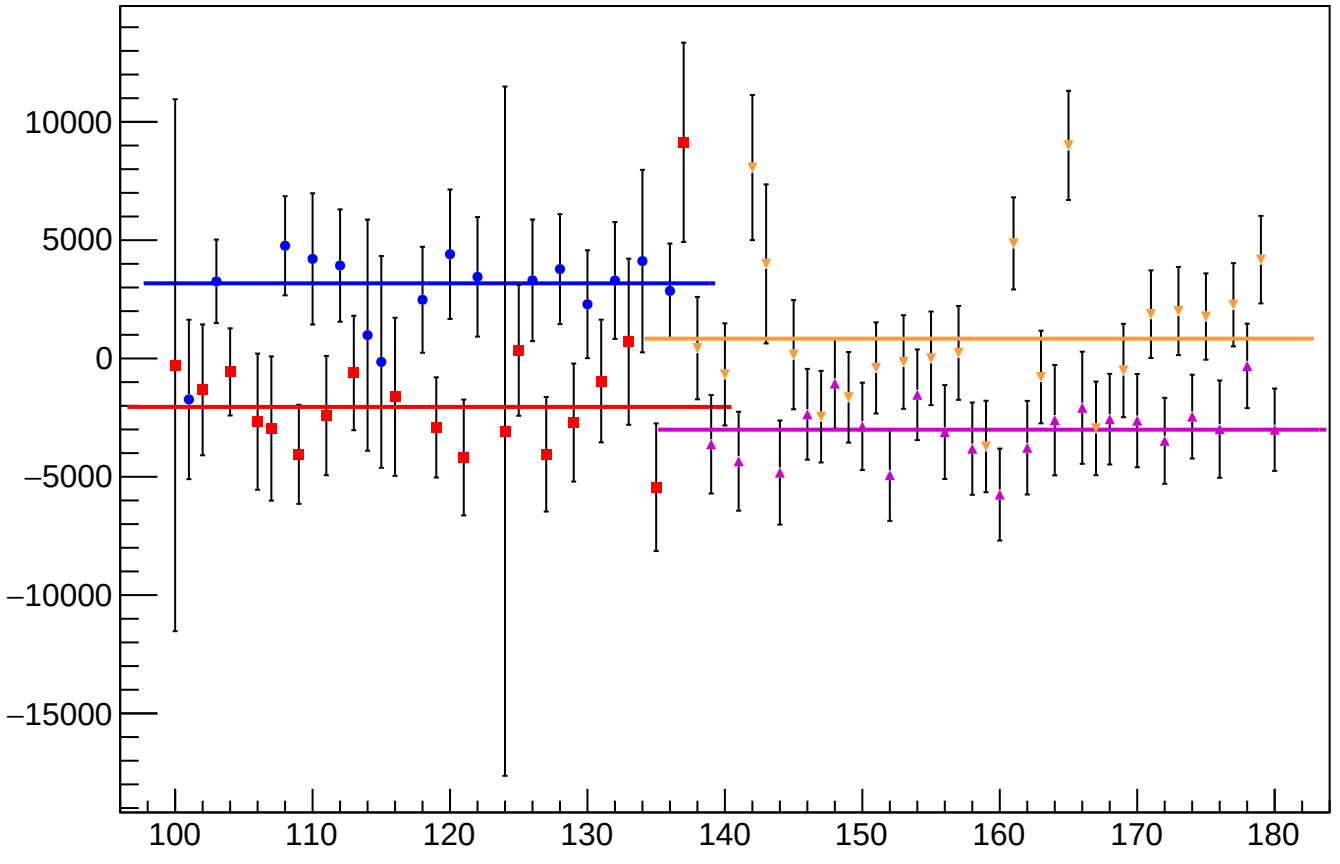
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9114.278+/-1.584 χ^2/NDF:1140171.8/20

+ sign 7722.932+/-1.152 χ^2/NDF: 3968146.7/37

All: 7897.493+/-0.828 χ^2/NDF: 6837019.4/77

- sign 8083.687+/-1.190 χ^2/NDF: 2821429.2/39



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.400+/-431.357 χ^2/NDF:44.7/21

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

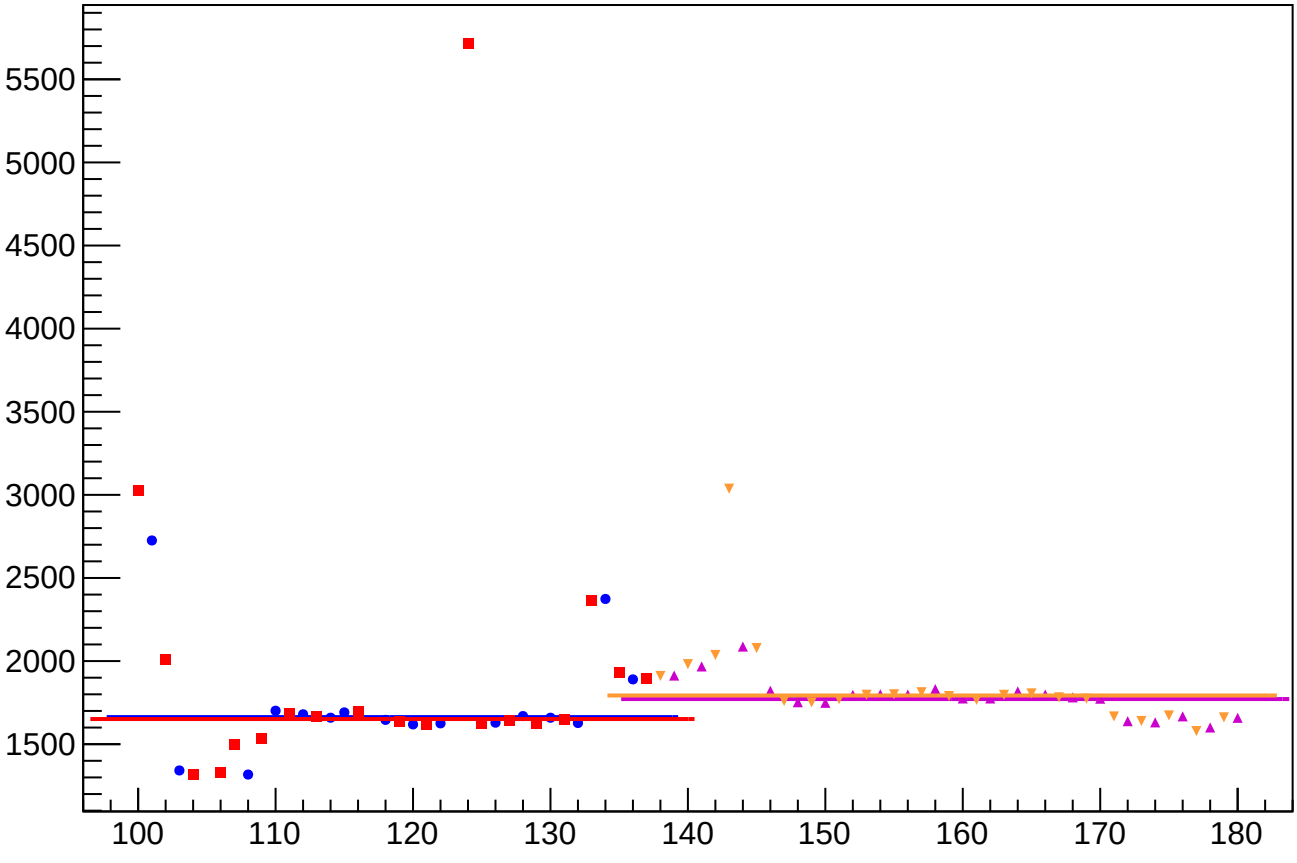
Left In: -3008.527+/-427.335 χ^2/NDF:9.0/20

+ sign 1587.650+/-355.559 χ^2/NDF: 58.4/37

All: -576.932+/-250.196 χ^2/NDF: 156.4/77

- 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: 1793.013+/-0.305 χ^2/NDF:412382.3/21

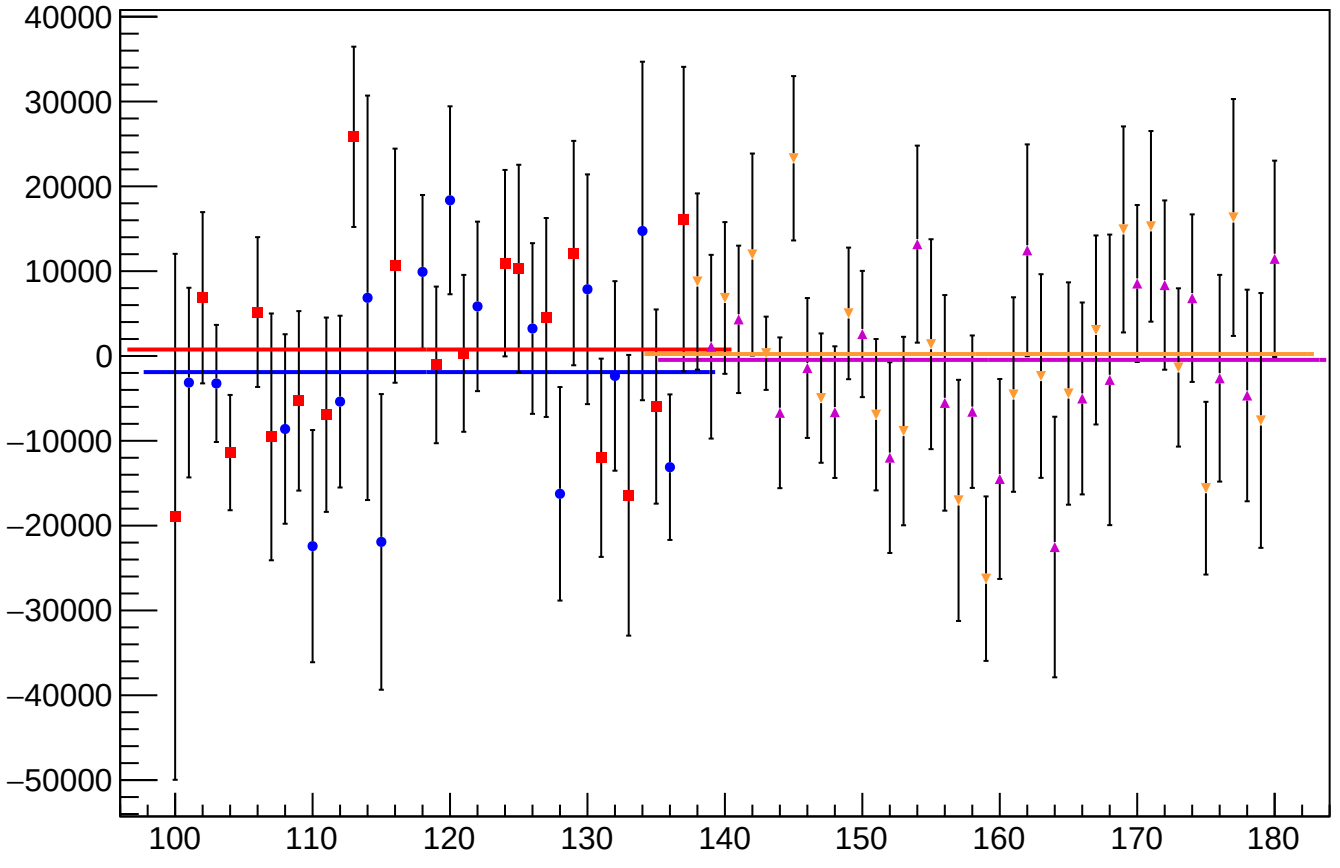
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1771.536+/-0.302 χ^2/NDF:129214.0/20

+ sign 1751.304+/-0.251 χ^2/NDF: 886345.1/37

All: 1742.036+/-0.177 χ^2/NDF: 1501023.4/77

- sign 1732.946+/-0.249 χ^2/NDF: 611986.6/39



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 229.877+/-2026.562 χ^2/NDF:26.7/21

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

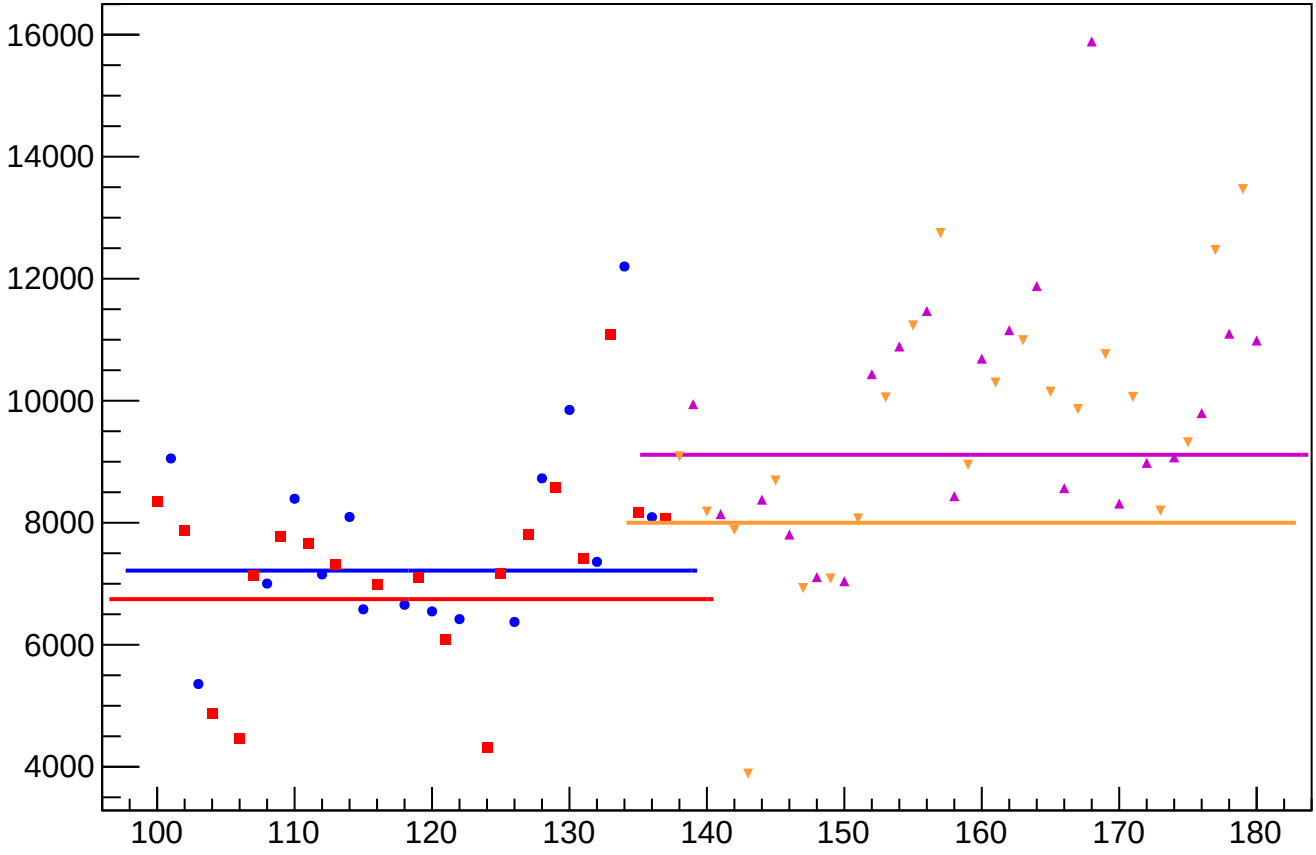
Left In: -460.737+/-2239.640 χ^2/NDF:12.9/20

\+ sign -523.317+/-1629.321 χ^2/NDF: 41.4/37

All: -235.272+/-1170.533 χ^2/NDF: 71.8/77

\- 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: 8000.237+/-1.433 χ^2/NDF:3350119.6/21

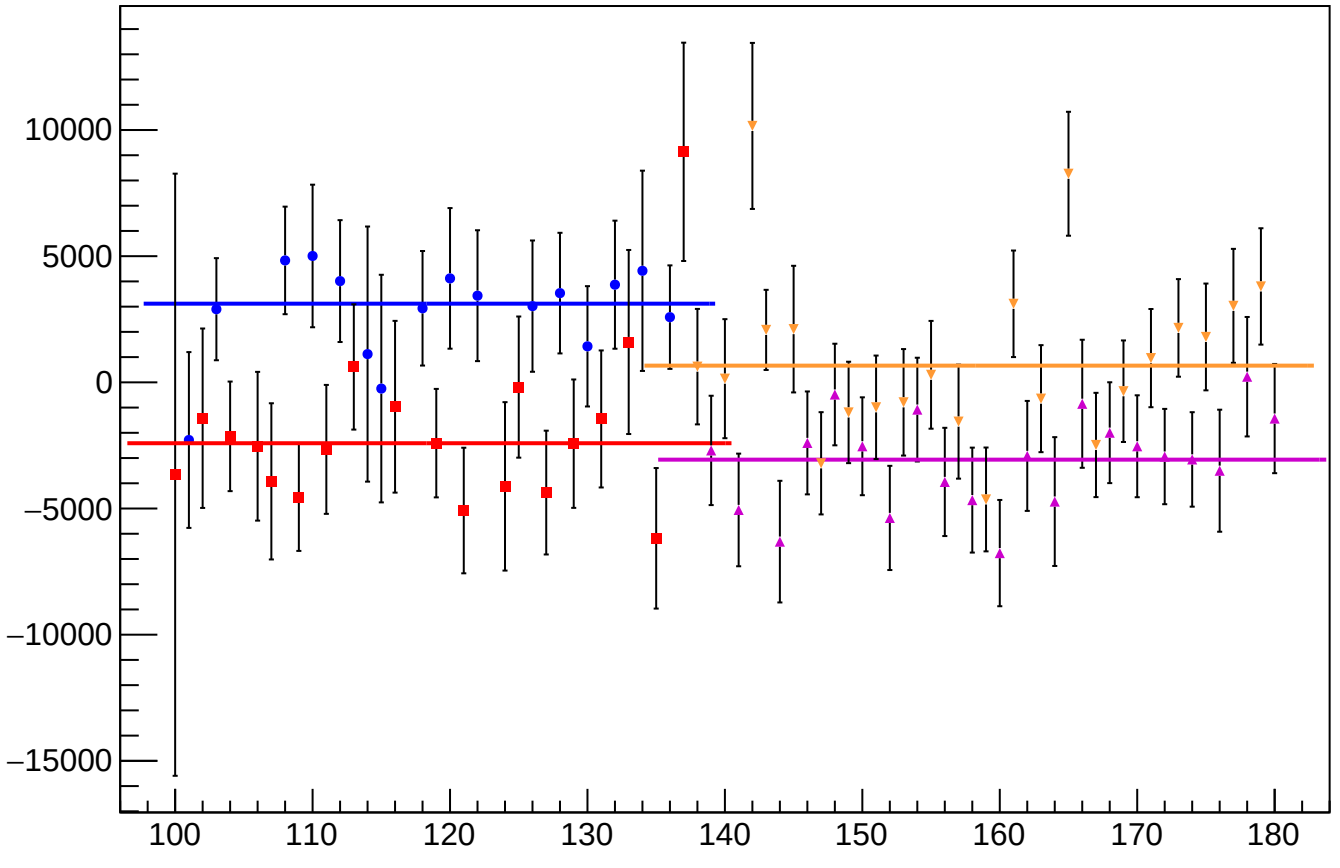
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9114.278+/-1.584 χ^2/NDF:1140171.8/20

+ sign 7722.932+/-1.152 χ^2/NDF: 3968146.7/37

All: 7897.493+/-0.828 χ^2/NDF: 6837019.4/77

- 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: 662.425+/-453.799 χ^2/NDF:40.5/21

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

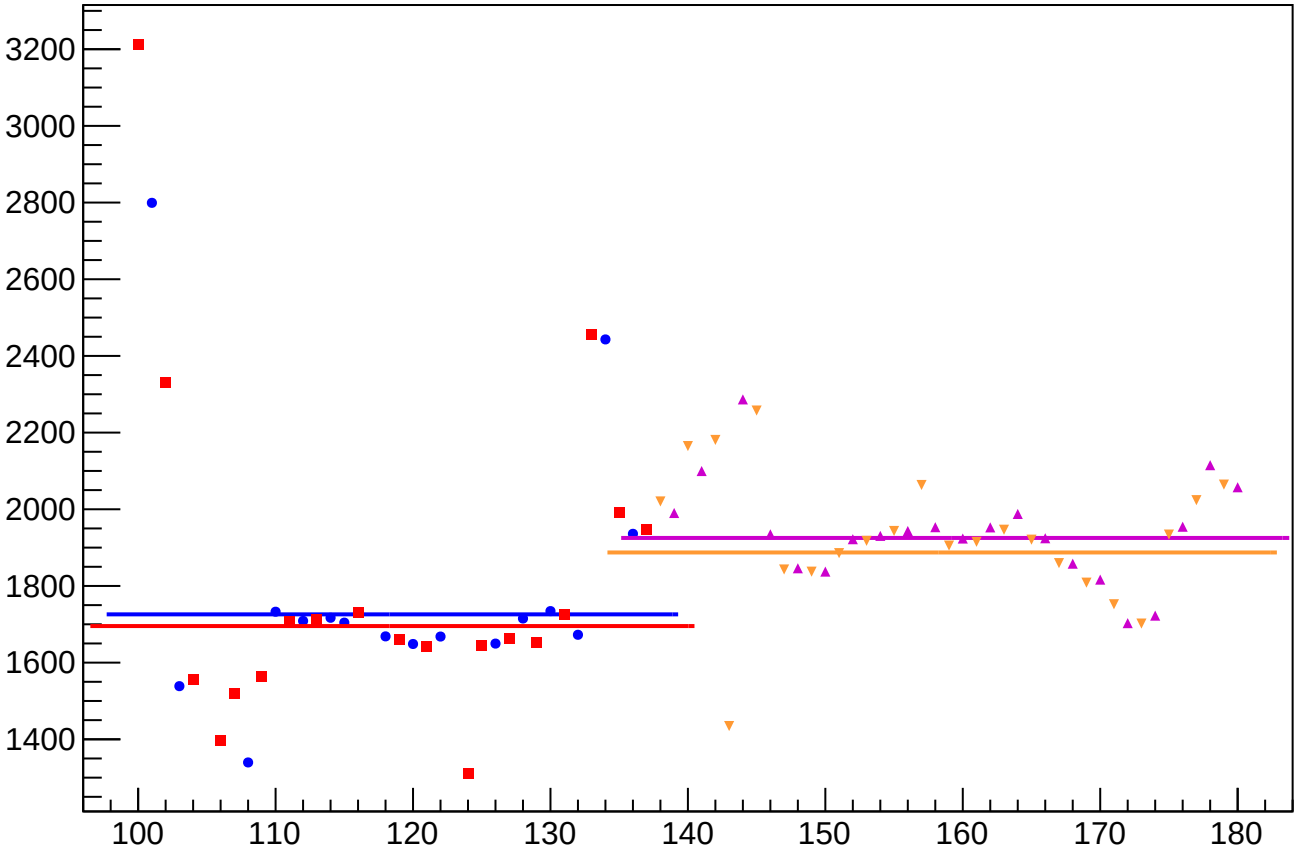
Left In: -3063.695+/-464.852 χ^2/NDF:14.6/20

+ sign 1465.201+/-372.299 χ^2/NDF: 55.4/37

All: -665.789+/-264.523 χ^2/NDF: 152.8/77

- 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: 1887.344+/-0.321 χ^2/NDF:326541.9/21

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

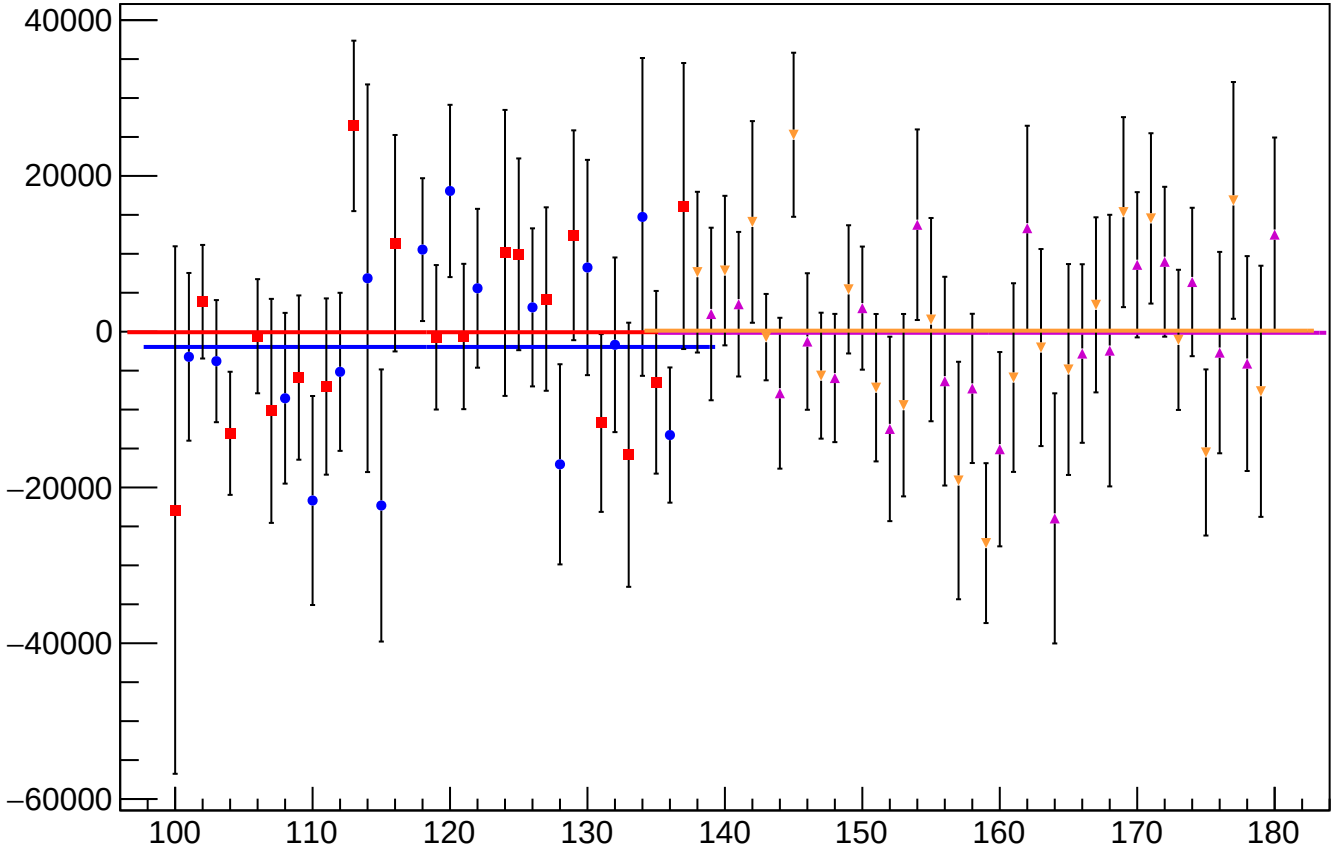
Left In: 1925.230+/-0.329 χ^2/NDF:148043.7/20

+ sign 1834.565+/-0.263 χ^2/NDF: 774927.3/37

All: 1840.056+/-0.187 χ^2/NDF: 1378756.7/77

- 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: 130.714+/-2199.048 χ^2/NDF:26.3/21

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

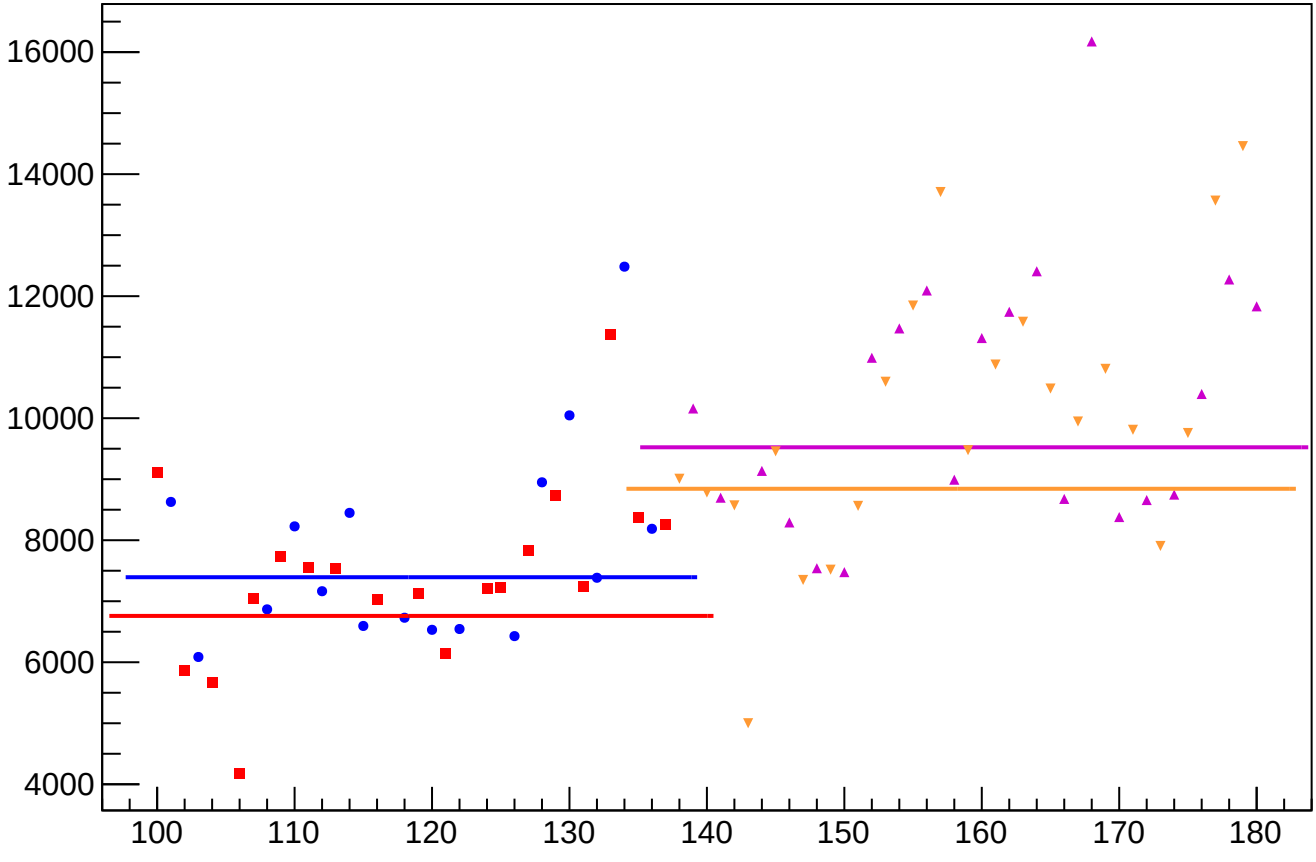
Left In: -141.577+/-2341.010 χ^2/NDF:12.8/20

+ sign -666.938+/-1729.038 χ^2/NDF: 41.1/37

All: -385.551+/-1218.739 χ^2/NDF: 70.0/77

- 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: 8843.374+/-1.555 χ^2/NDF:2191946.6/21

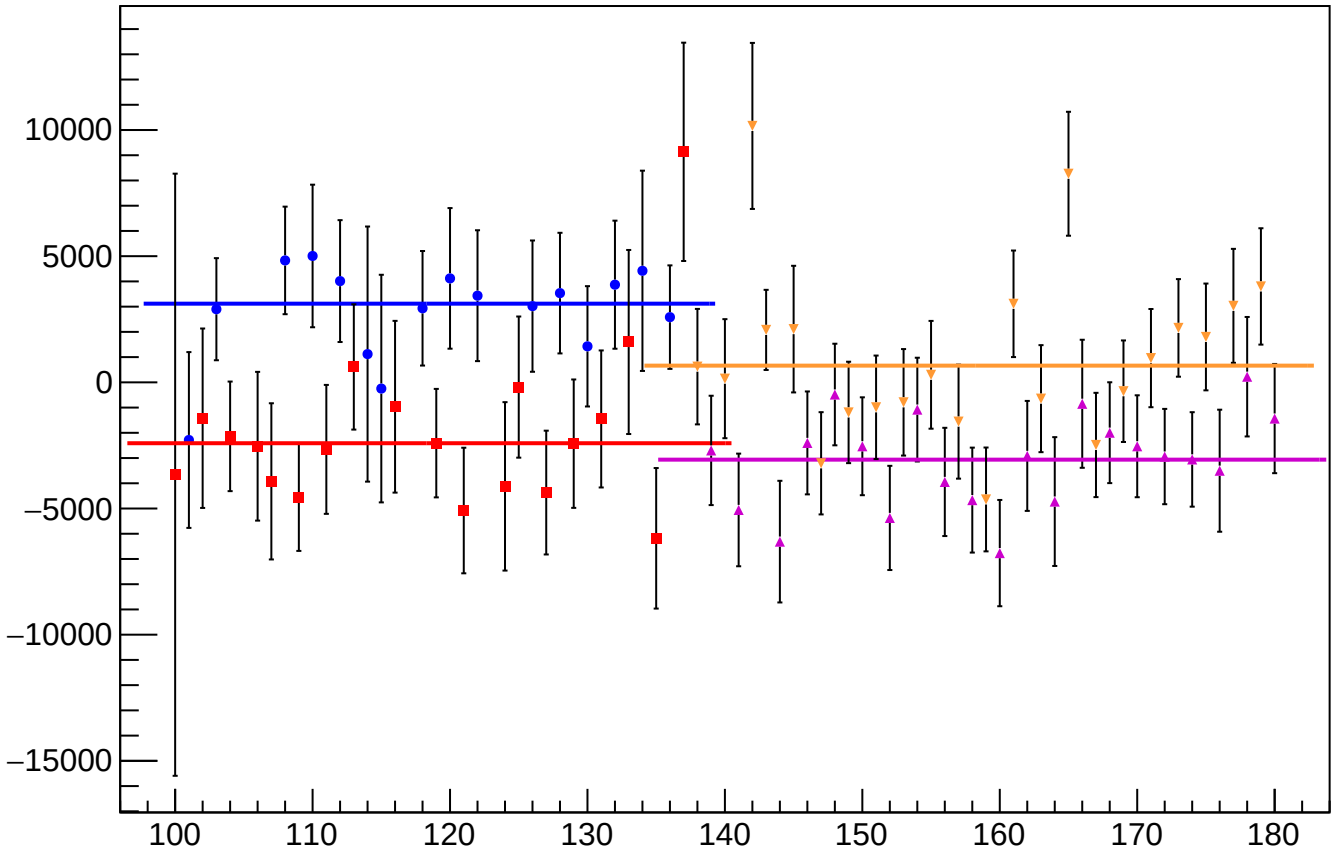
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9523.156+/-1.655 χ^2/NDF:1157998.5/20

+ sign 8289.882+/-1.223 χ^2/NDF: 2925641.7/37

All: 8268.860+/-0.862 χ^2/NDF: 6014535.5/77

- 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: 662.415+/-453.800 χ^2/NDF:40.5/21

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

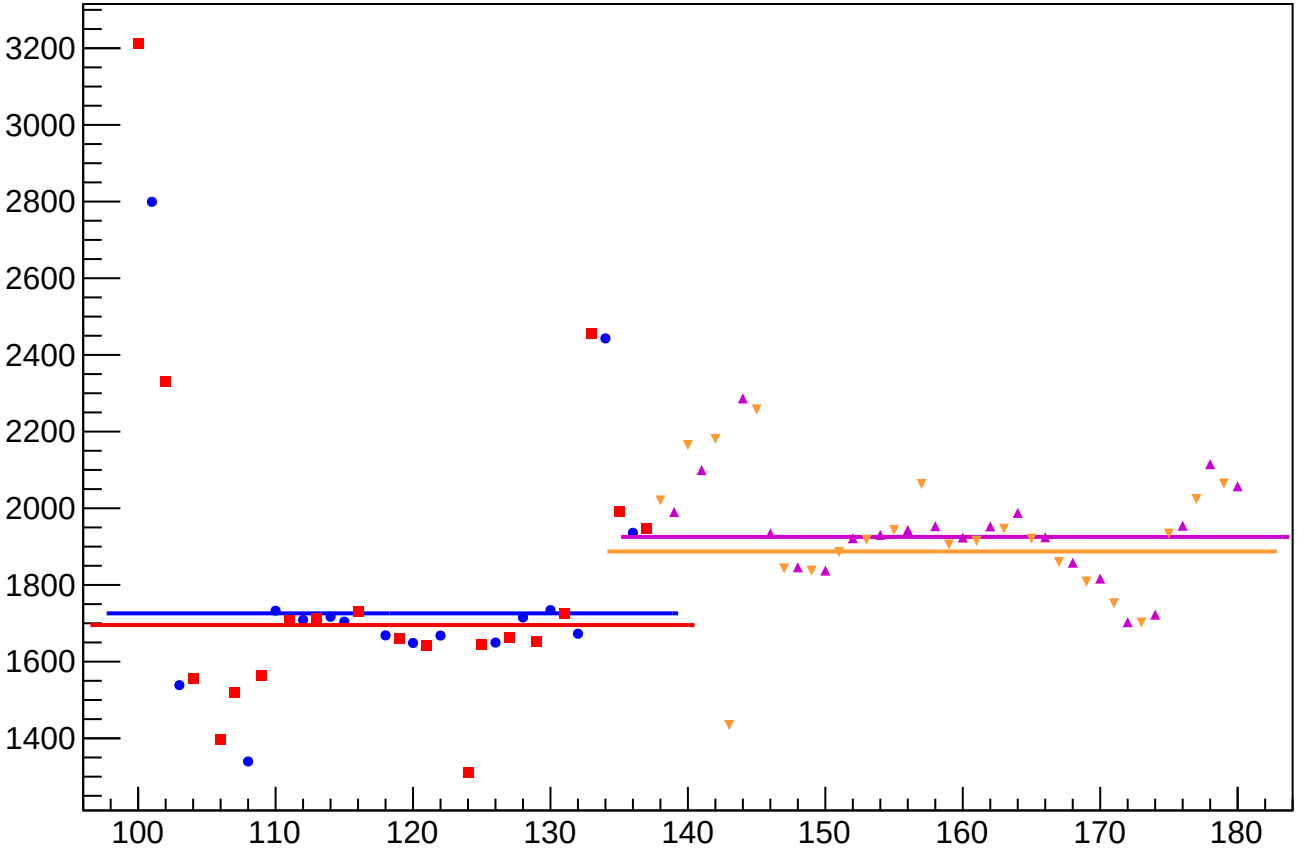
Left In: -3063.697+/-464.853 χ^2/NDF:14.6/20

+ sign 1465.198+/-372.299 χ^2/NDF: 55.4/37

All: -665.793+/-264.523 χ^2/NDF: 152.8/77

- 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: 1887.347+/-0.321 χ^2/NDF:326550.0/21

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

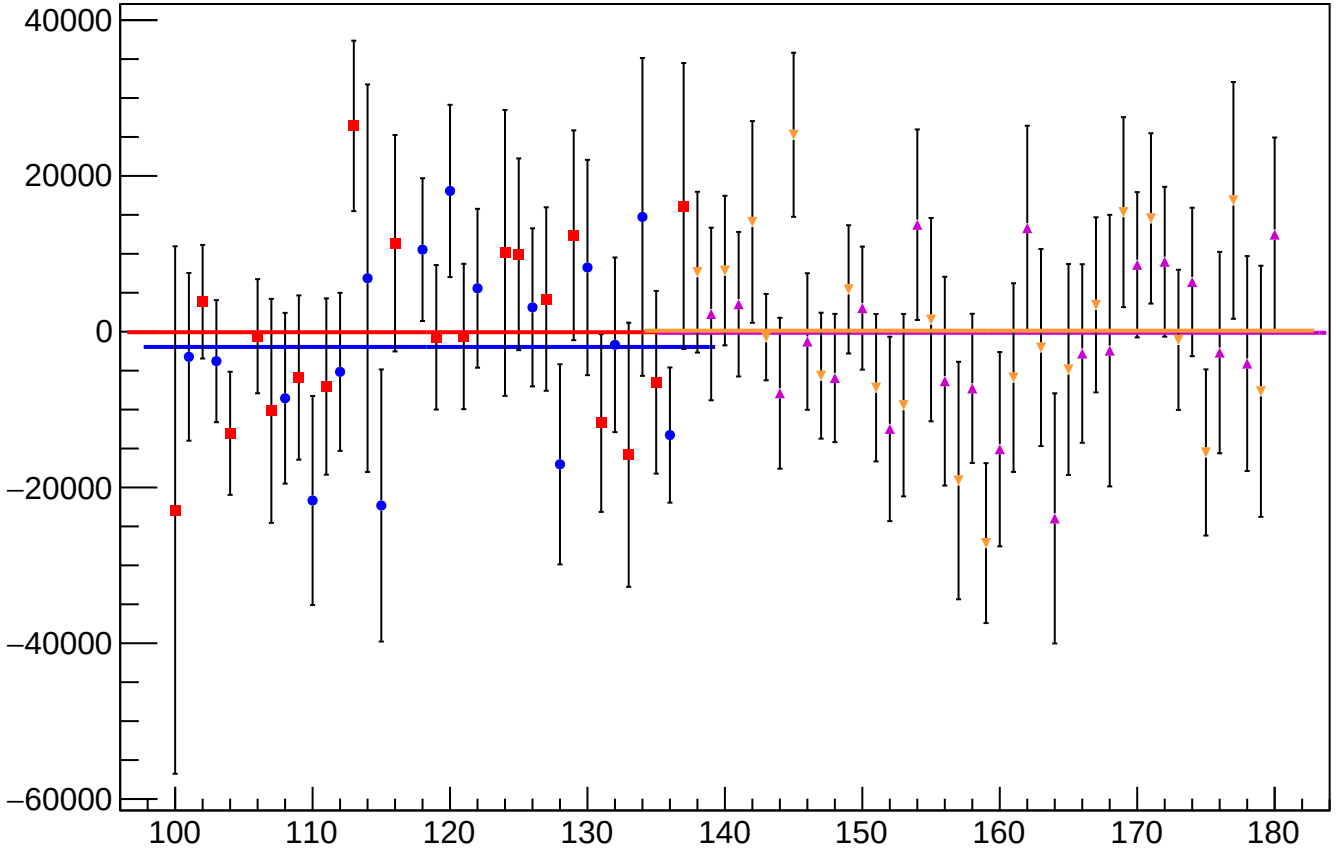
Left In: 1925.234+/-0.329 χ^2/NDF:148051.3/20

+ sign 1834.567+/-0.263 χ^2/NDF: 774939.0/37

All: 1840.058+/-0.187 χ^2/NDF: 1378781.5/77

- sign 1845.655+/-0.266 χ^2/NDF: 602964.0/39

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 130.708+/-2199.051 χ^2/NDF:26.3/21

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

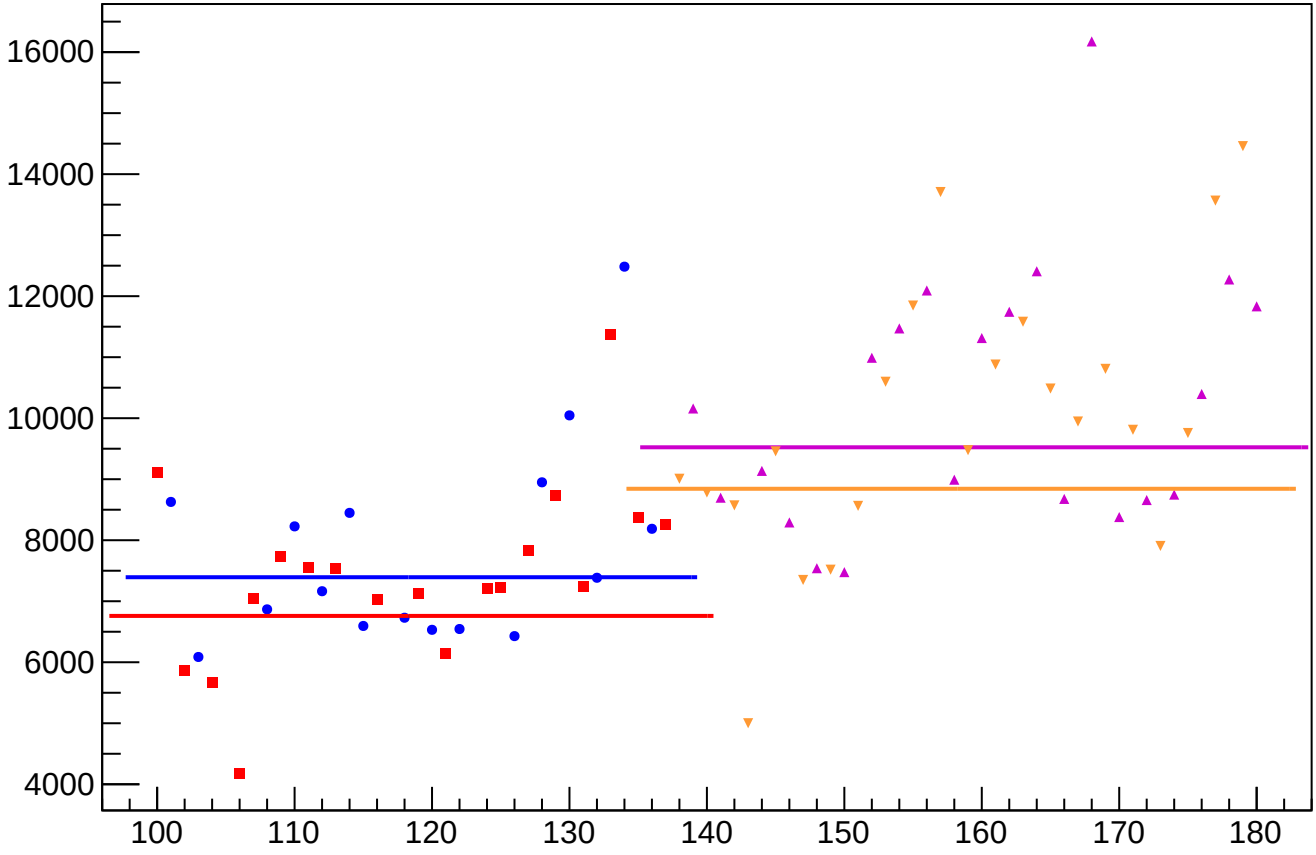
Left In: -141.576+/-2341.014 χ^2/NDF:12.8/20

+ sign -666.937+/-1729.039 χ^2/NDF: 41.1/37

All: -385.552+/-1218.739 χ^2/NDF: 70.0/77

- sign -107.707+/-1718.129 χ^2/NDF: 28.9/39

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8843.389+/-1.555 χ^2/NDF:2191948.3/21

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

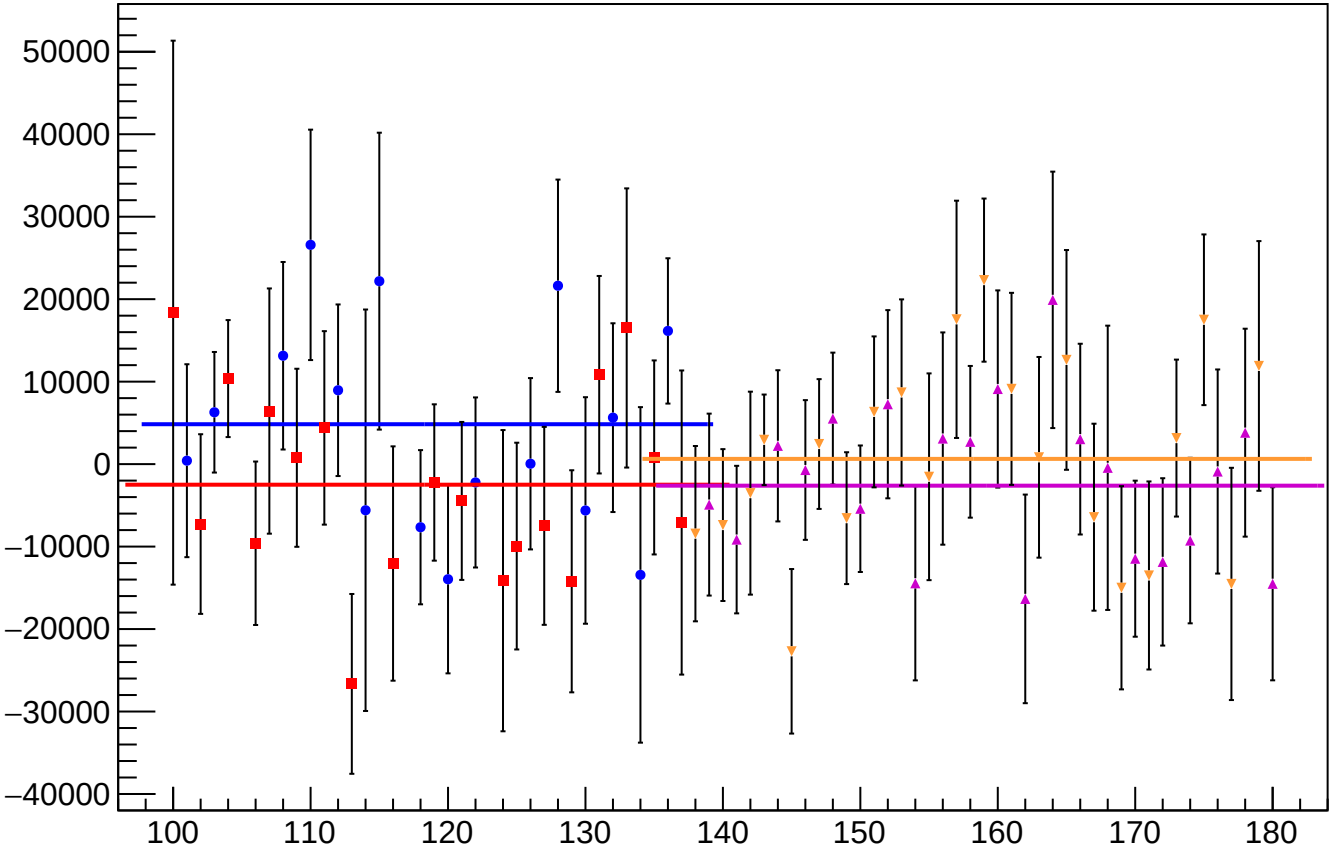
Left In: 9523.170+/-1.655 χ^2/NDF:1158002.1/20

\+ sign 8289.881+/-1.223 χ^2/NDF: 2925660.9/37

All: 8268.858+/-0.862 χ^2/NDF: 6014585.4/77

\- 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: 634.614+/-2156.244 χ^2/NDF:24.5/21

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

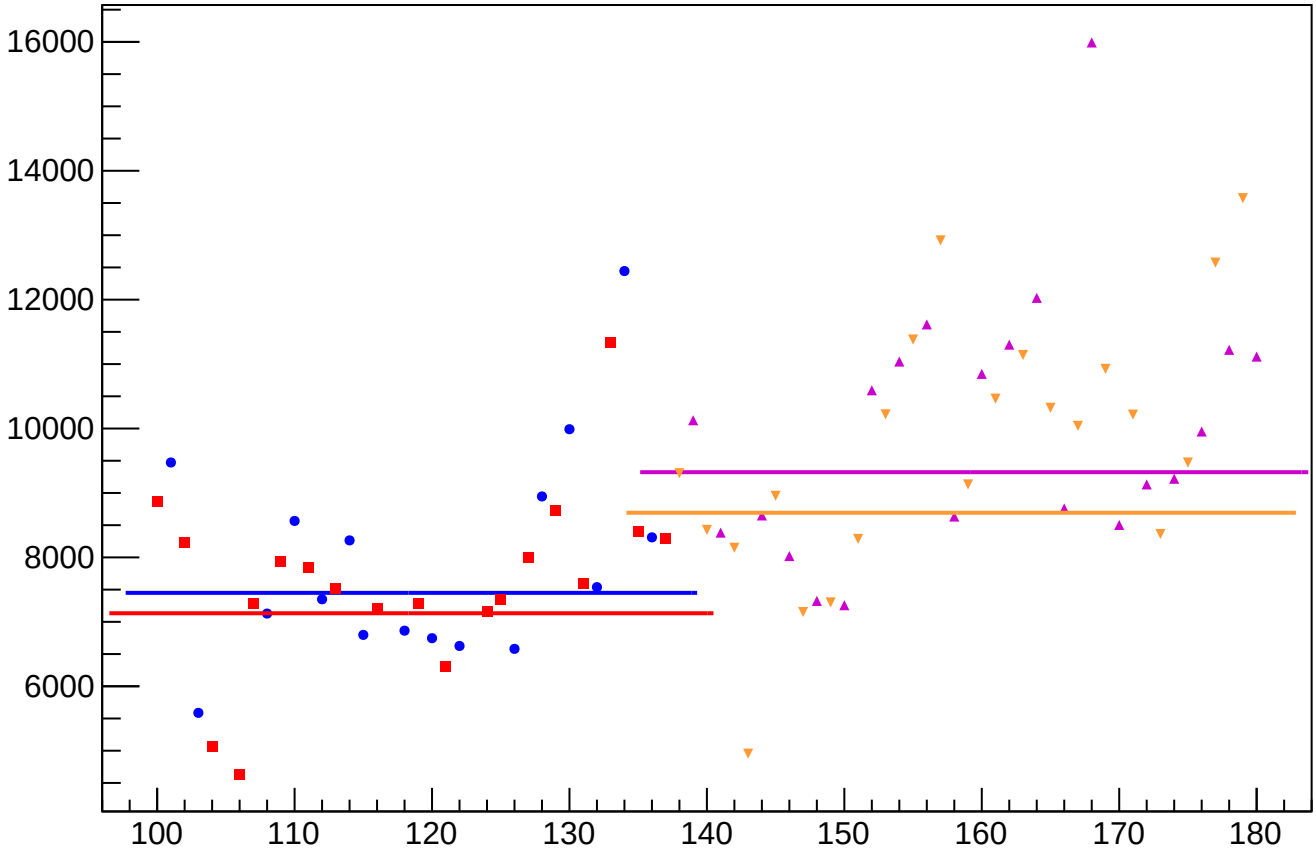
Left In: -2613.918+/-2287.517 χ^2/NDF:12.3/20

+ sign 2179.199+/-1714.888 χ^2/NDF: 40.3/37

All: -152.551+/-1222.815 χ^2/NDF: 71.3/77

- 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: 8693.023+/-1.525 χ^2/NDF:2047889.6/21

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

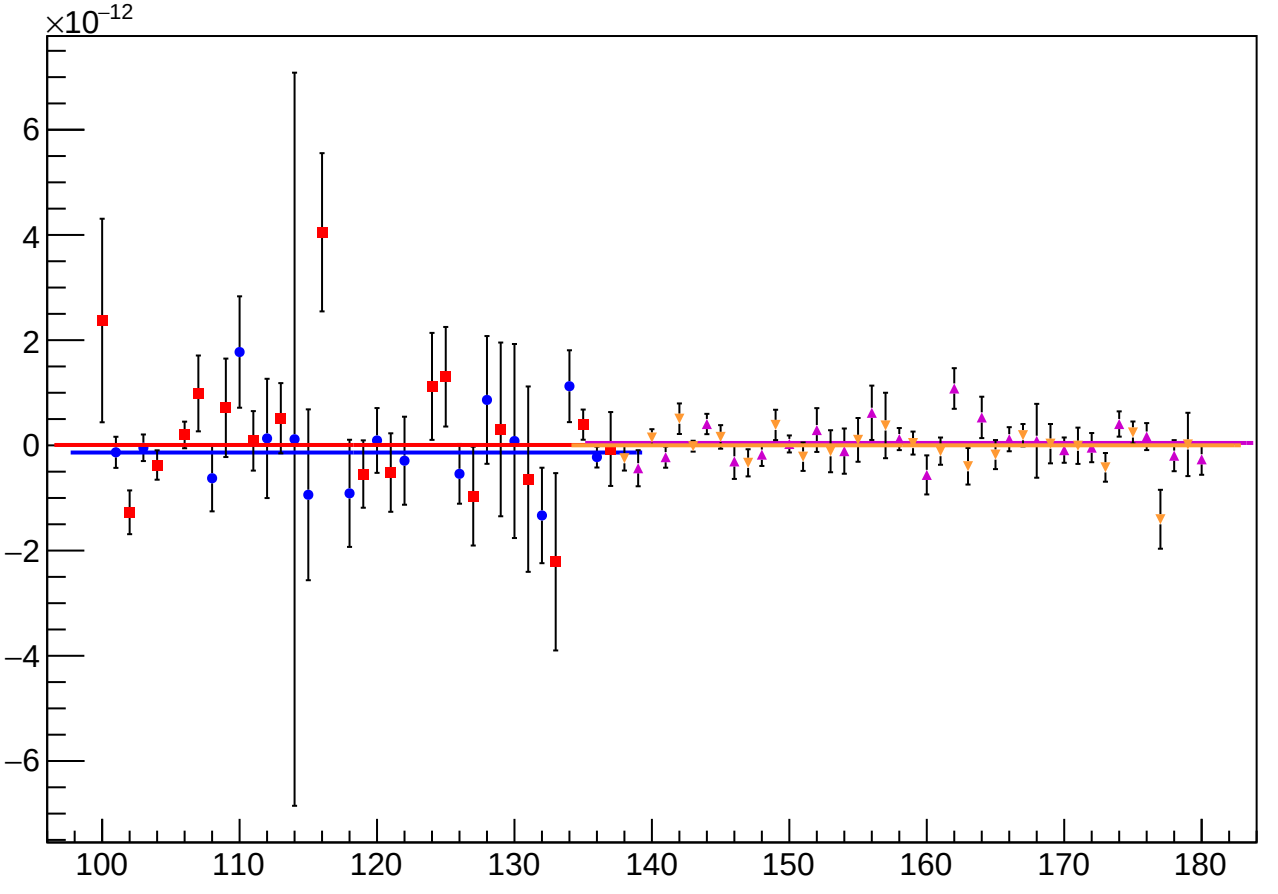
Left In: 9322.243+/-1.618 χ^2/NDF:1062093.2/20

+ sign 8236.230+/-1.213 χ^2/NDF: 2778569.7/37

All: 8319.513+/-0.865 χ^2/NDF: 5174164.5/77

- 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:22.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

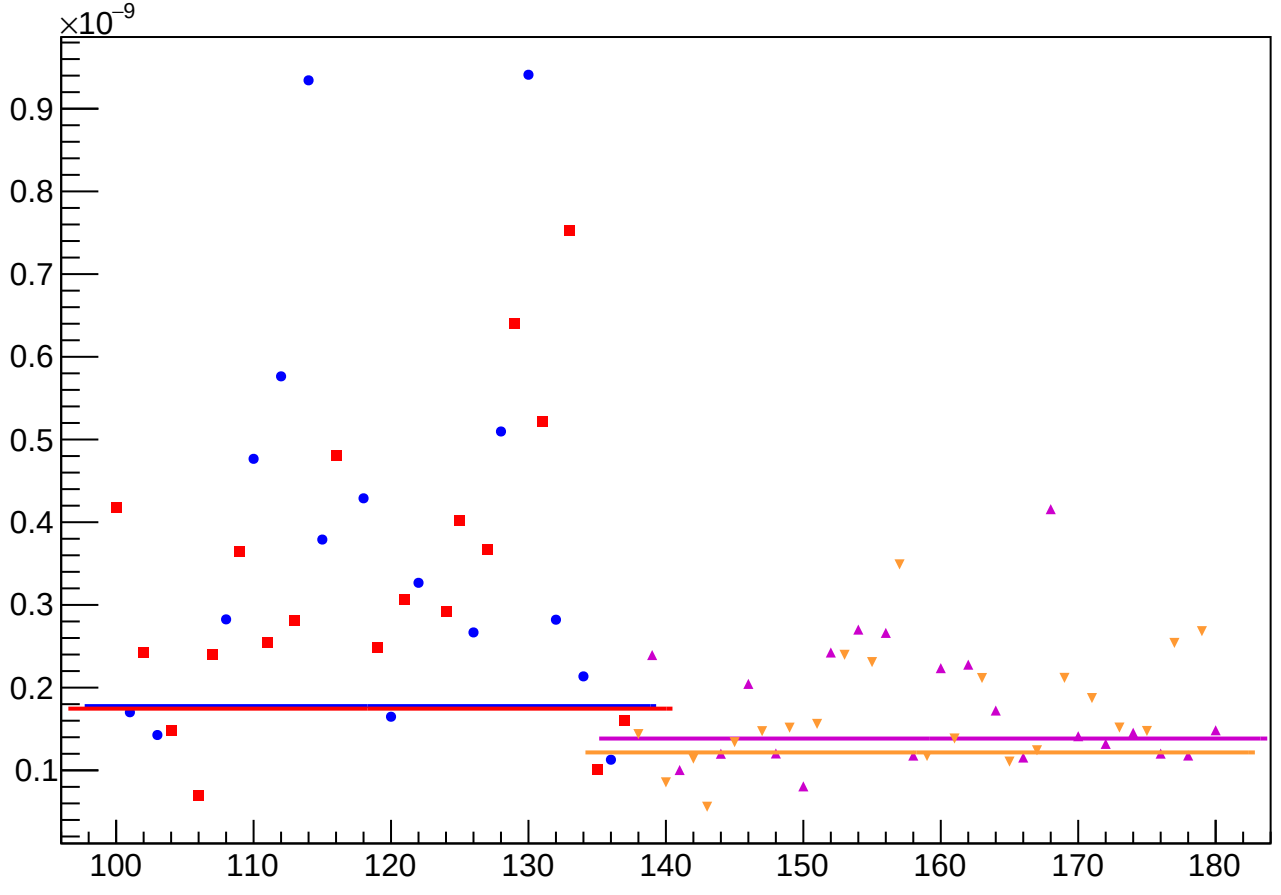
Left In: 0.000+/-0.000 χ^2/NDF:27.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/37

All: 0.000+/-0.000 χ^2/NDF: 96.5/77

- 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:2210682.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

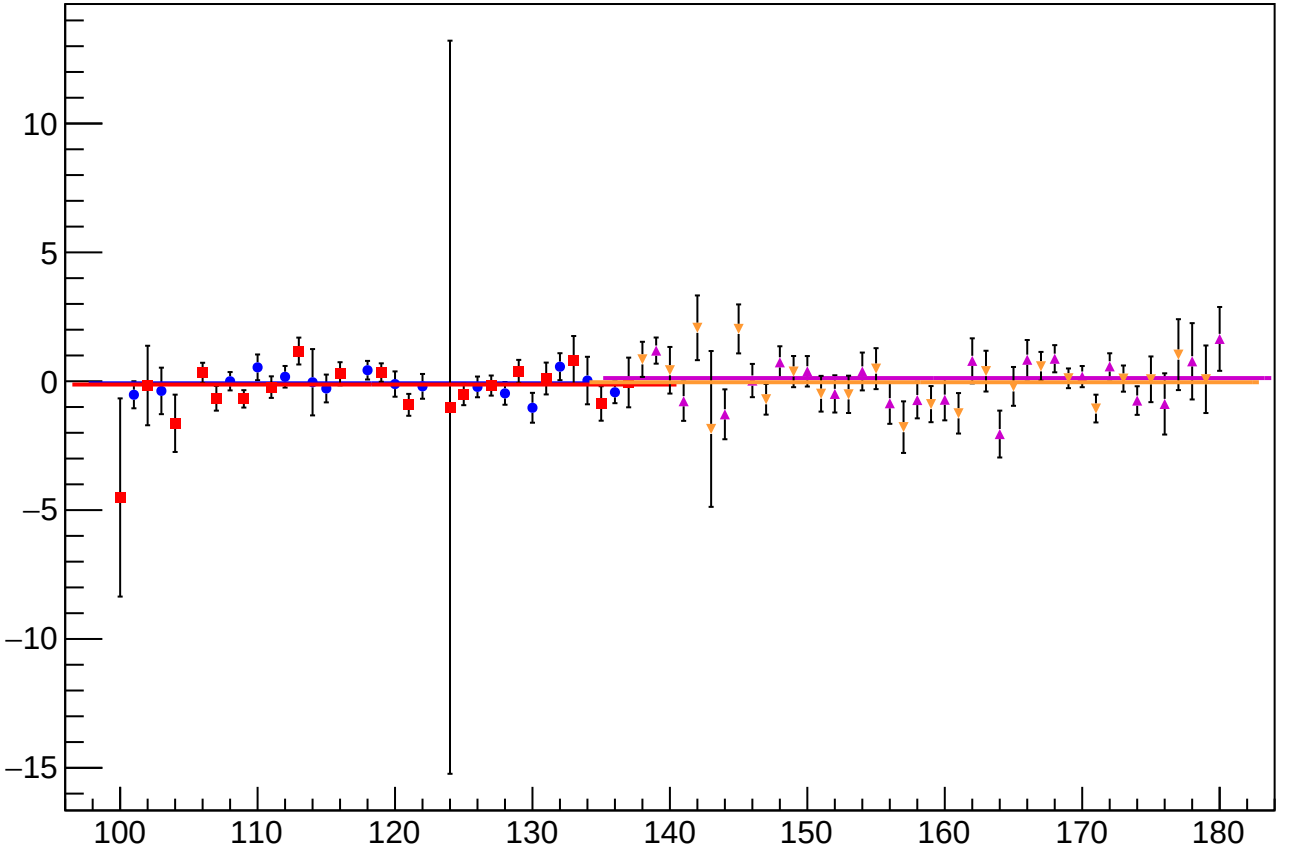
Left In: 0.000+/-0.000 χ^2/NDF:1649242.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 4109265.9/37

All: 0.000+/-0.000 χ^2/NDF: 7626543.4/77

- 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: -0.038+/-0.151 χ^2/NDF:25.7/21

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

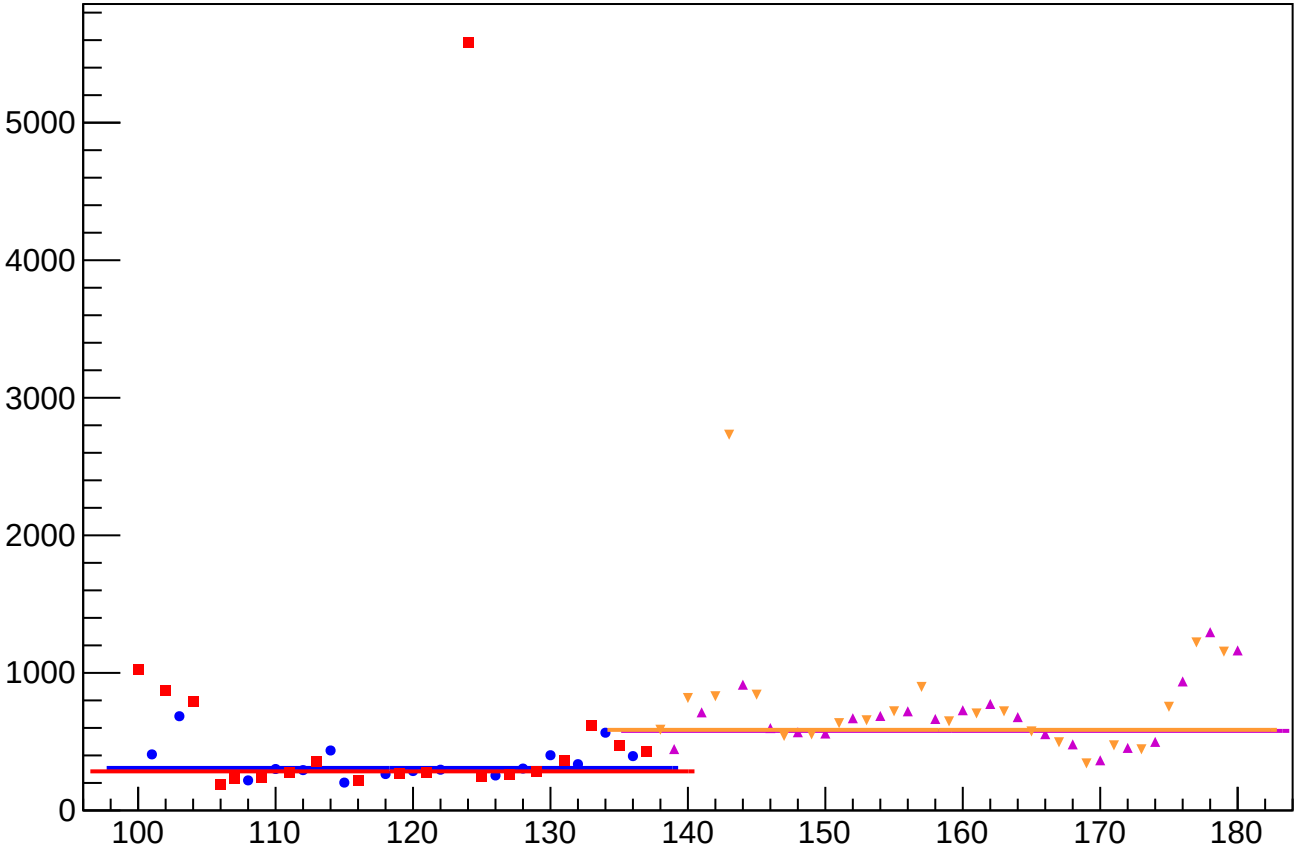
Left In: 0.123+/-0.147 χ^2/NDF:28.9/20

+ sign -0.064+/-0.095 χ^2/NDF: 36.6/37

All: -0.047+/-0.066 χ^2/NDF: 92.5/77

- 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: 585.872+/-0.106 χ^2/NDF:3759535.9/21

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

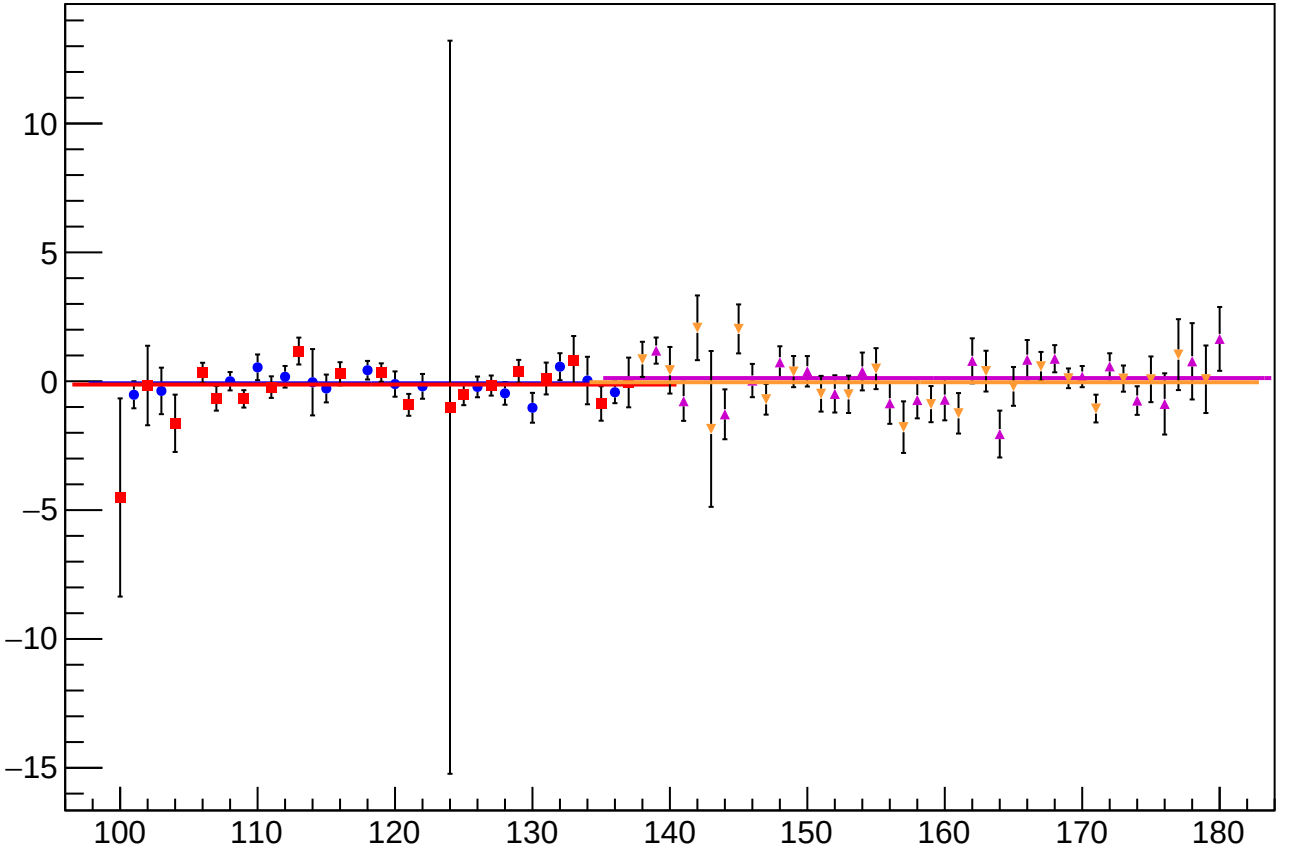
Left In: 578.385+/-0.104 χ^2/NDF:2678720.9/20

+ sign 418.632+/-0.067 χ^2/NDF: 8857013.0/37

All: 407.914+/-0.047 χ^2/NDF: 18336747.3/77

- sign 397.898+/-0.065 χ^2/NDF: 9430201.8/39

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.038+/-0.151 χ^2/NDF:25.7/21

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

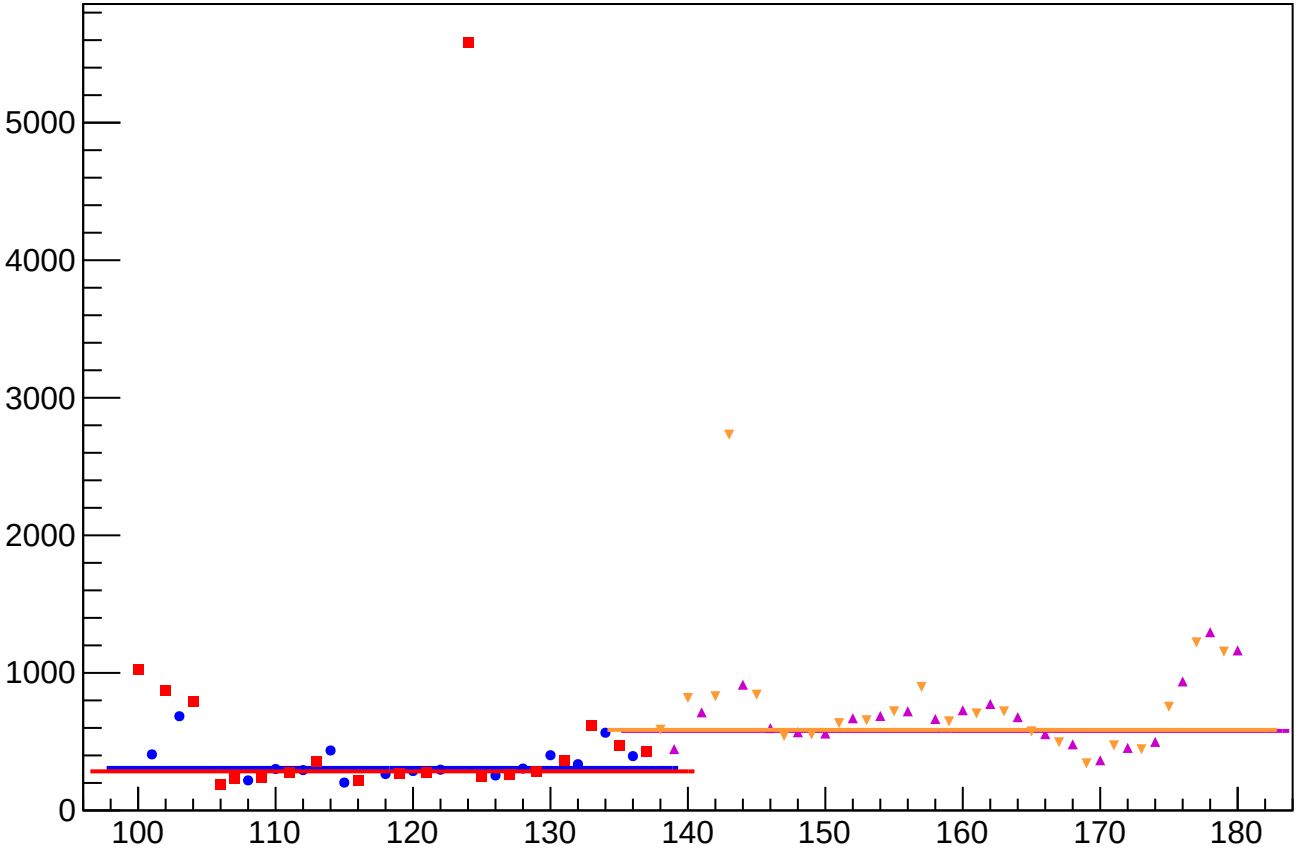
Left In: 0.123+/-0.147 χ^2/NDF:28.9/20

+ sign -0.064+/-0.095 χ^2/NDF: 36.6/37

All: -0.047+/-0.066 χ^2/NDF: 92.5/77

- sign -0.031+/-0.092 χ^2/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: 585.872+/-0.106 χ^2/NDF:3759535.9/21

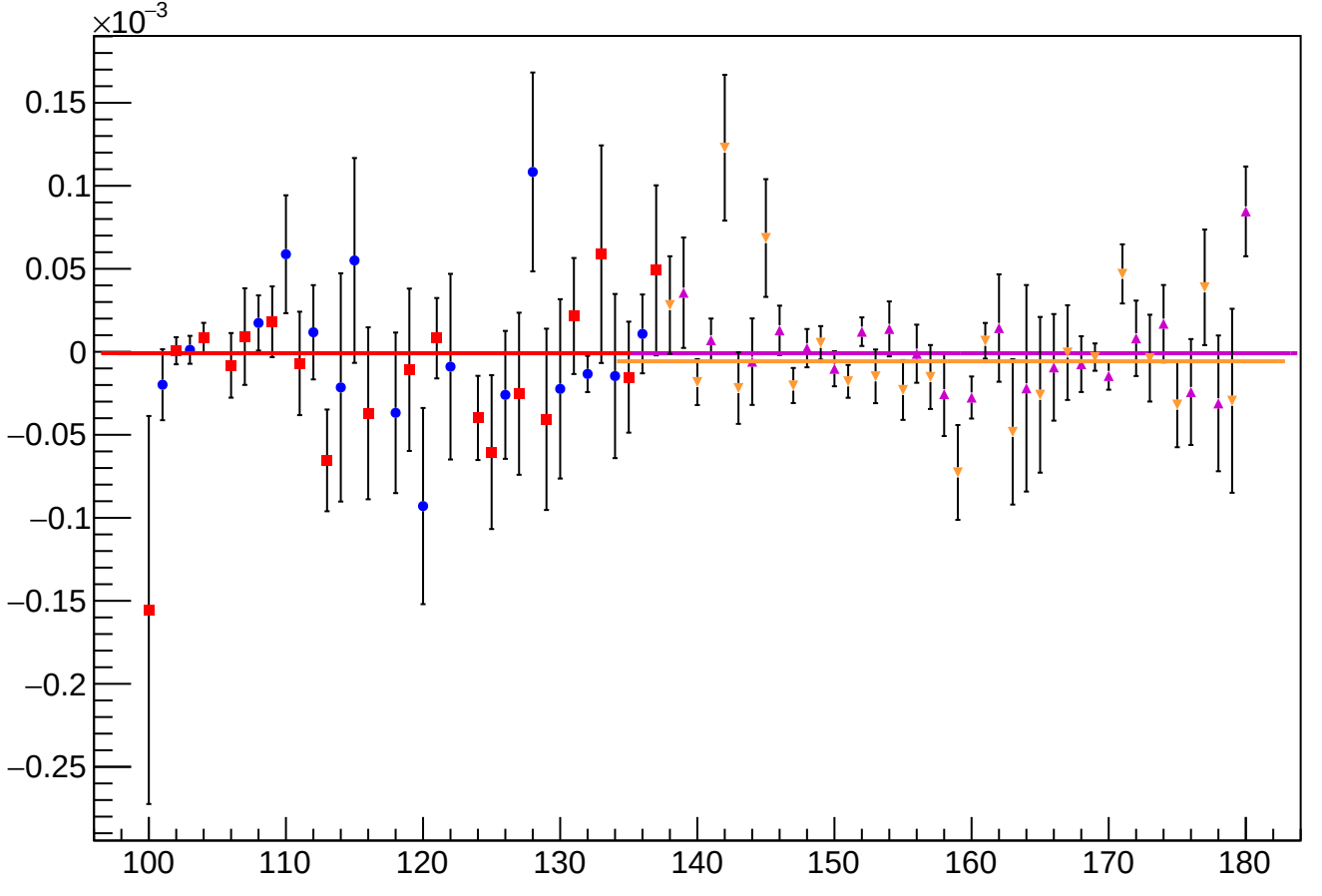
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 578.385+/-0.104 χ^2/NDF:2678720.9/20

+ sign 418.632+/-0.067 χ^2/NDF: 8857013.0/37

All: 407.914+/-0.047 χ^2/NDF: 18336747.3/77

- 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:41.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

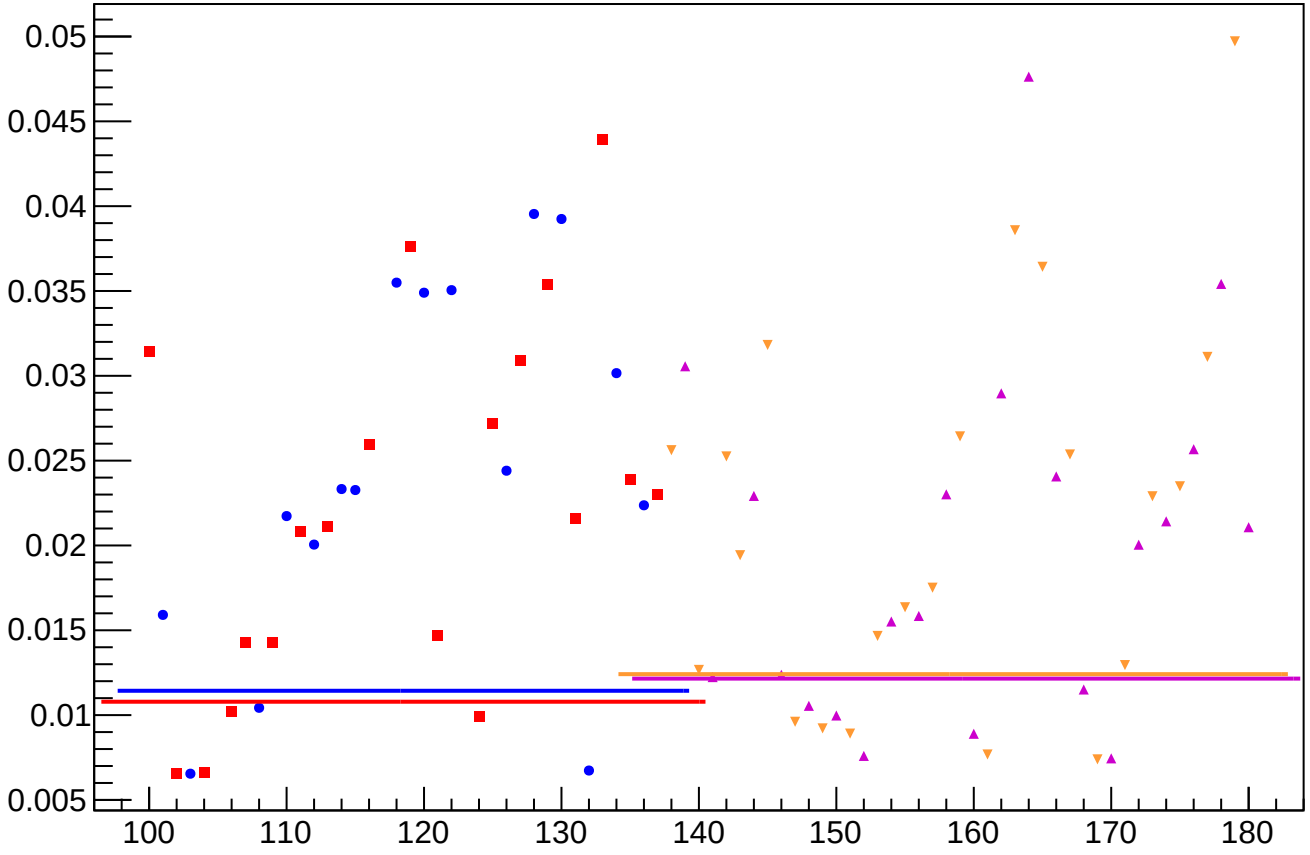
Left In: -0.000+/-0.000 χ^2/NDF:26.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/37

All: -0.000+/-0.000 χ^2/NDF: 100.2/77

- sign -0.000+/-0.000 χ^2/NDF: 43.0/39

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:7695854.7/21

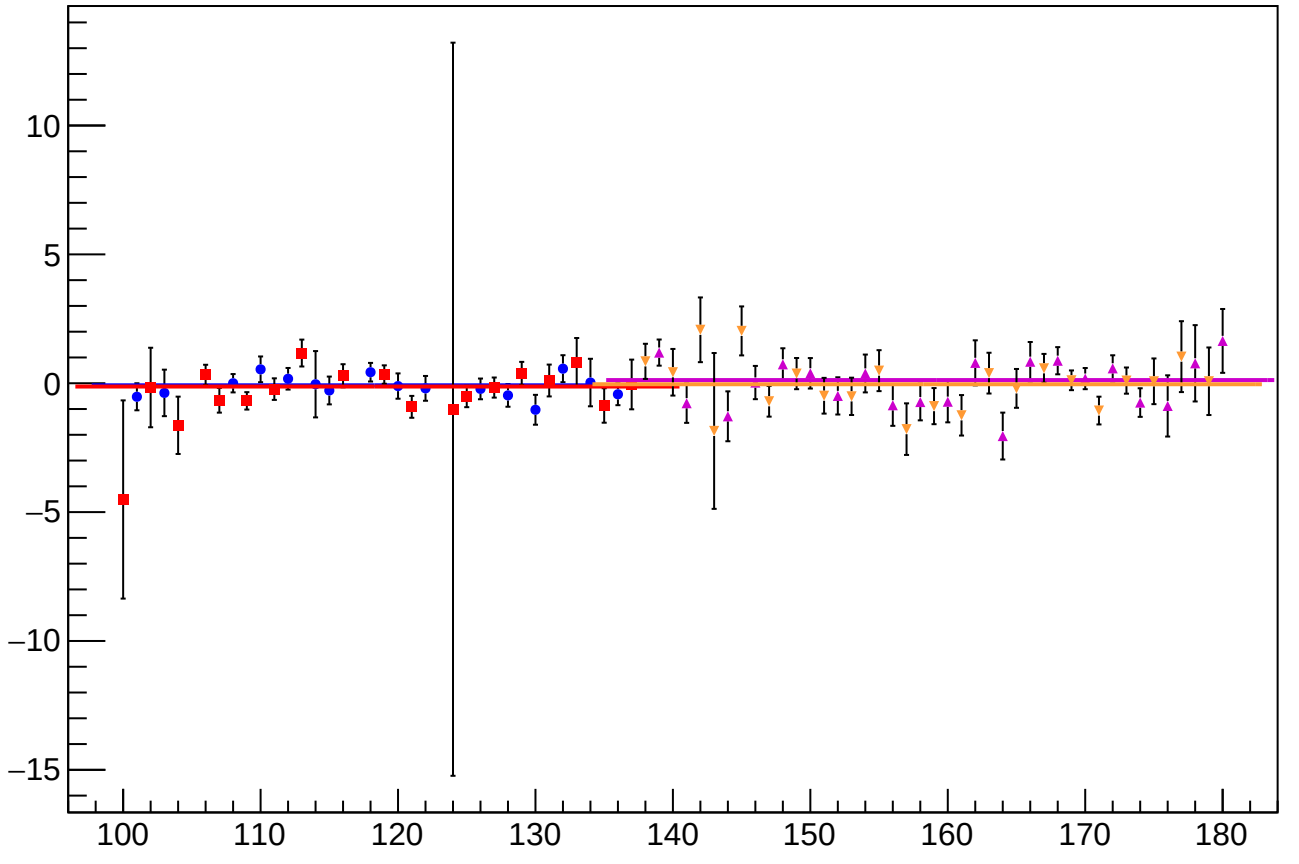
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:6208168.9/20

+ sign 0.012+/-0.000 χ^2/NDF: 12443296.0/37

All: 0.012+/-0.000 χ^2/NDF: 23252603.3/77

- sign 0.012+/-0.000 χ^2/NDF: 10787083.7/39



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.039+/-0.151 χ^2/NDF:25.7/21

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

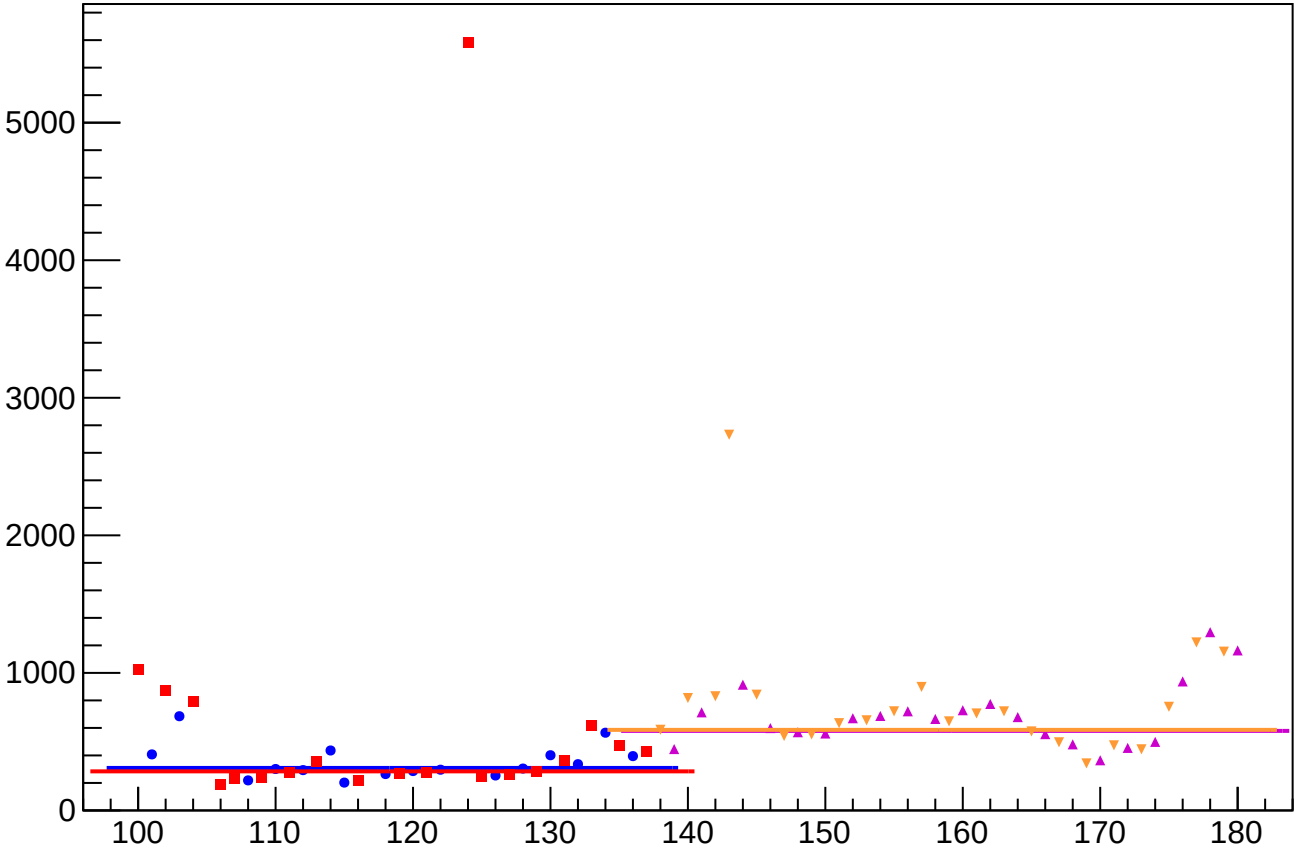
Left In: 0.123+/-0.147 χ^2/NDF:28.9/20

+ sign -0.064+/-0.095 χ^2/NDF: 36.6/37

All: -0.047+/-0.066 χ^2/NDF: 92.5/77

- 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: 585.872+/-0.106 χ^2/NDF:3759729.7/21

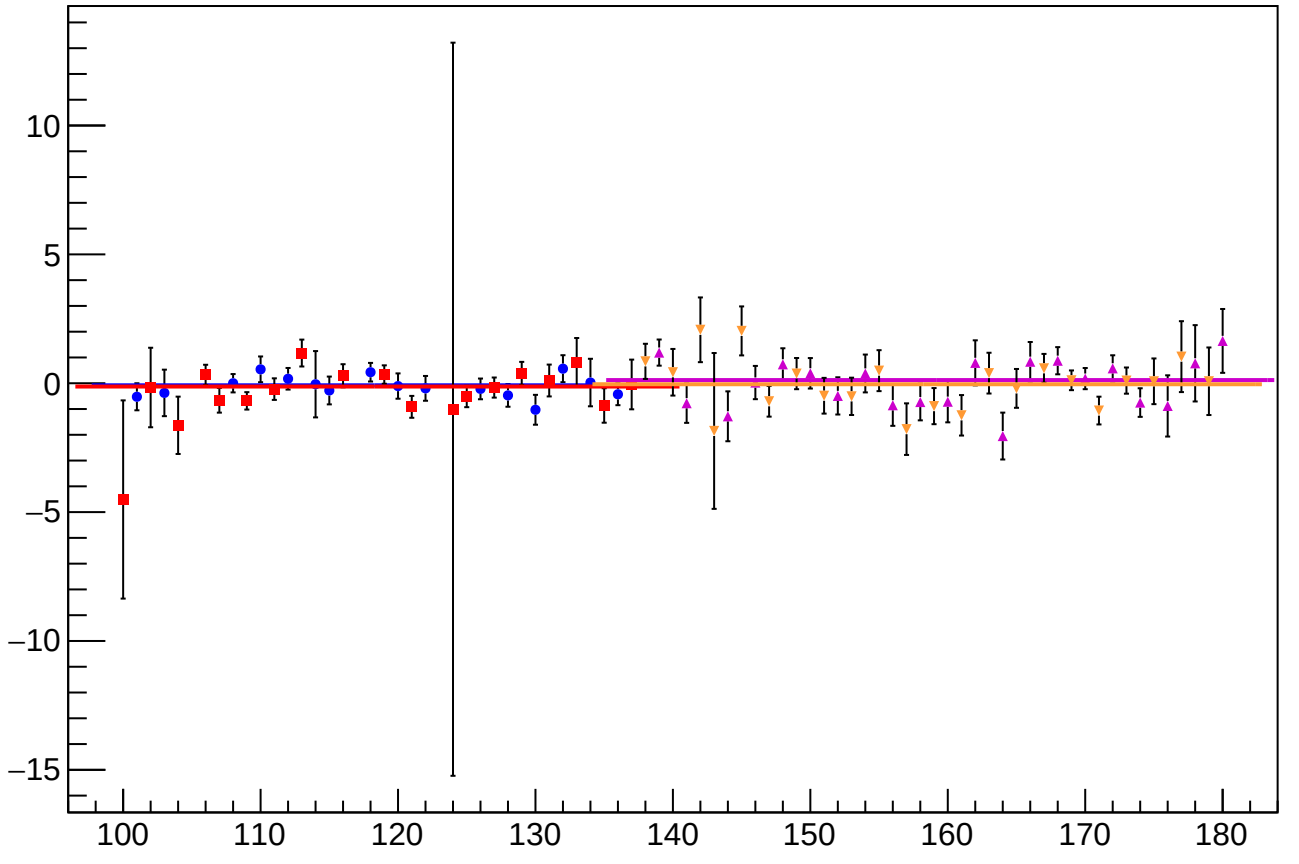
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 578.388+/-0.104 χ^2/NDF:2678845.4/20

+ sign 418.631+/-0.067 χ^2/NDF: 8857192.1/37

All: 407.913+/-0.047 χ^2/NDF: 18337112.6/77

- 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: -0.039+/-0.151 χ^2/NDF:25.7/21

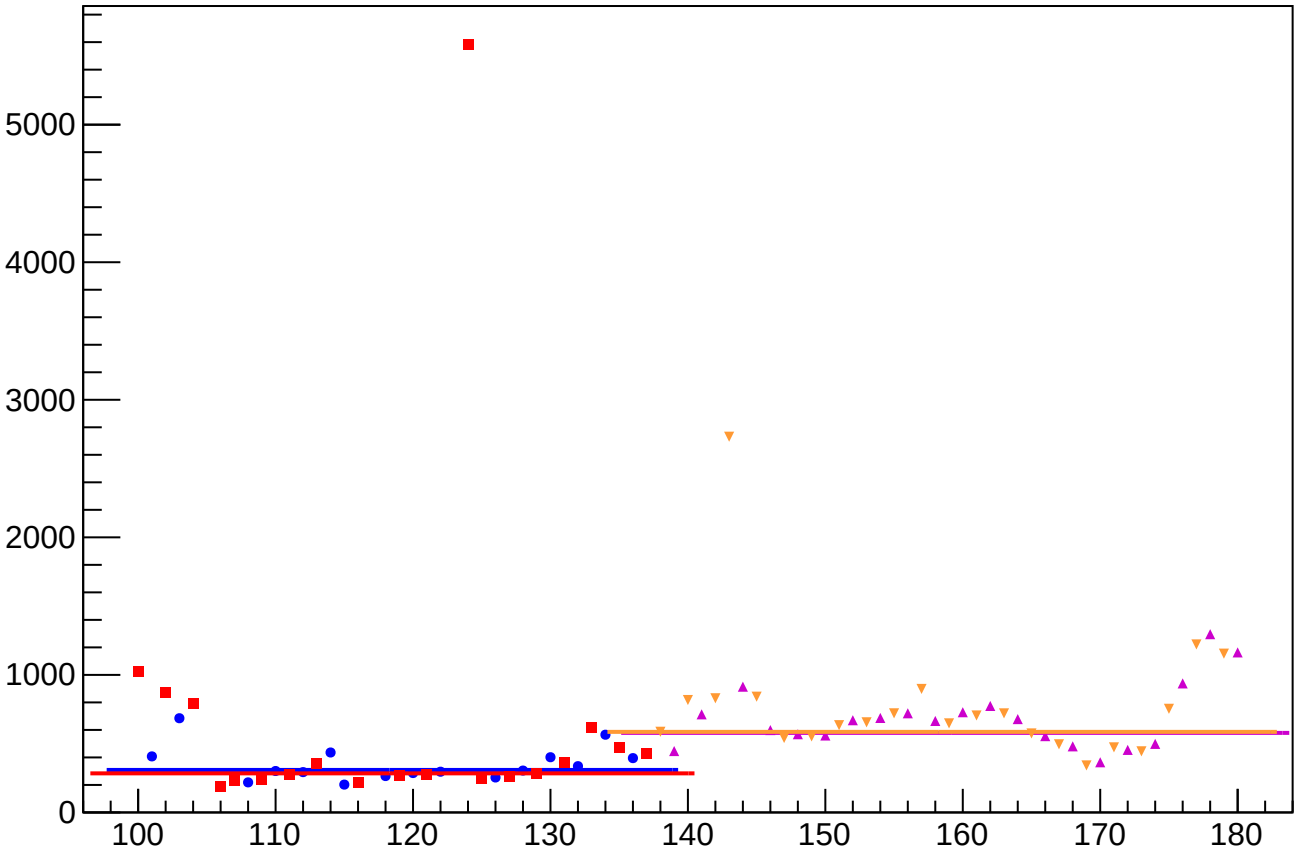
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.123+/-0.147 χ^2/NDF:28.9/20

+ sign -0.064+/-0.095 χ^2/NDF: 36.6/37

All: -0.047+/-0.066 χ^2/NDF: 92.5/77

- sign -0.031+/-0.092 χ^2/NDF: 55.9/39



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759729.7/21

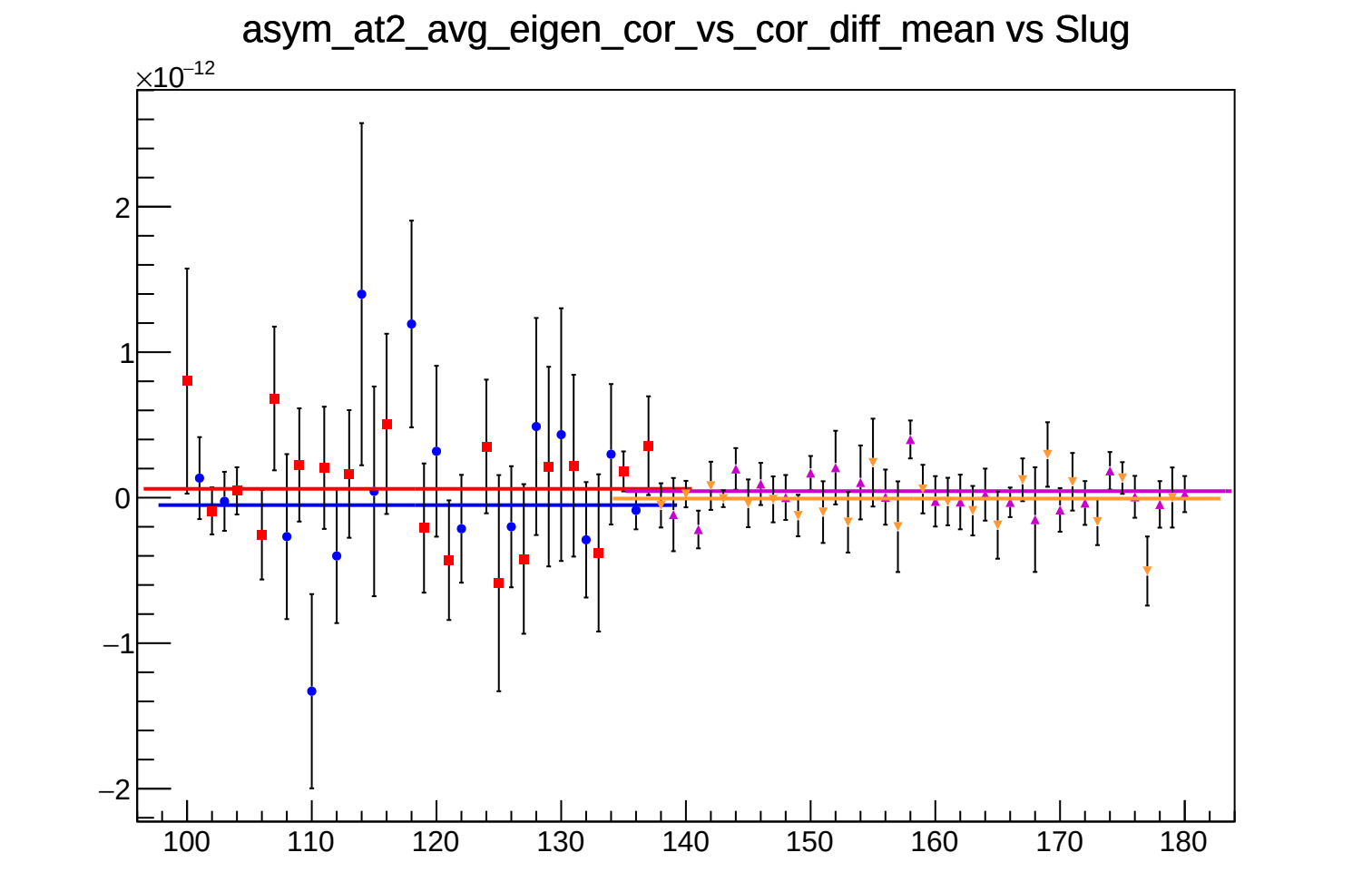
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 578.388+/-0.104 χ^2/NDF:2678845.4/20

+ sign 418.631+/-0.067 χ^2/NDF: 8857192.1/37

All: 407.913+/-0.047 χ^2/NDF: 18337112.6/7

- sign 397.897+/-0.065 χ^2/NDF: 9430390.7/39



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/21

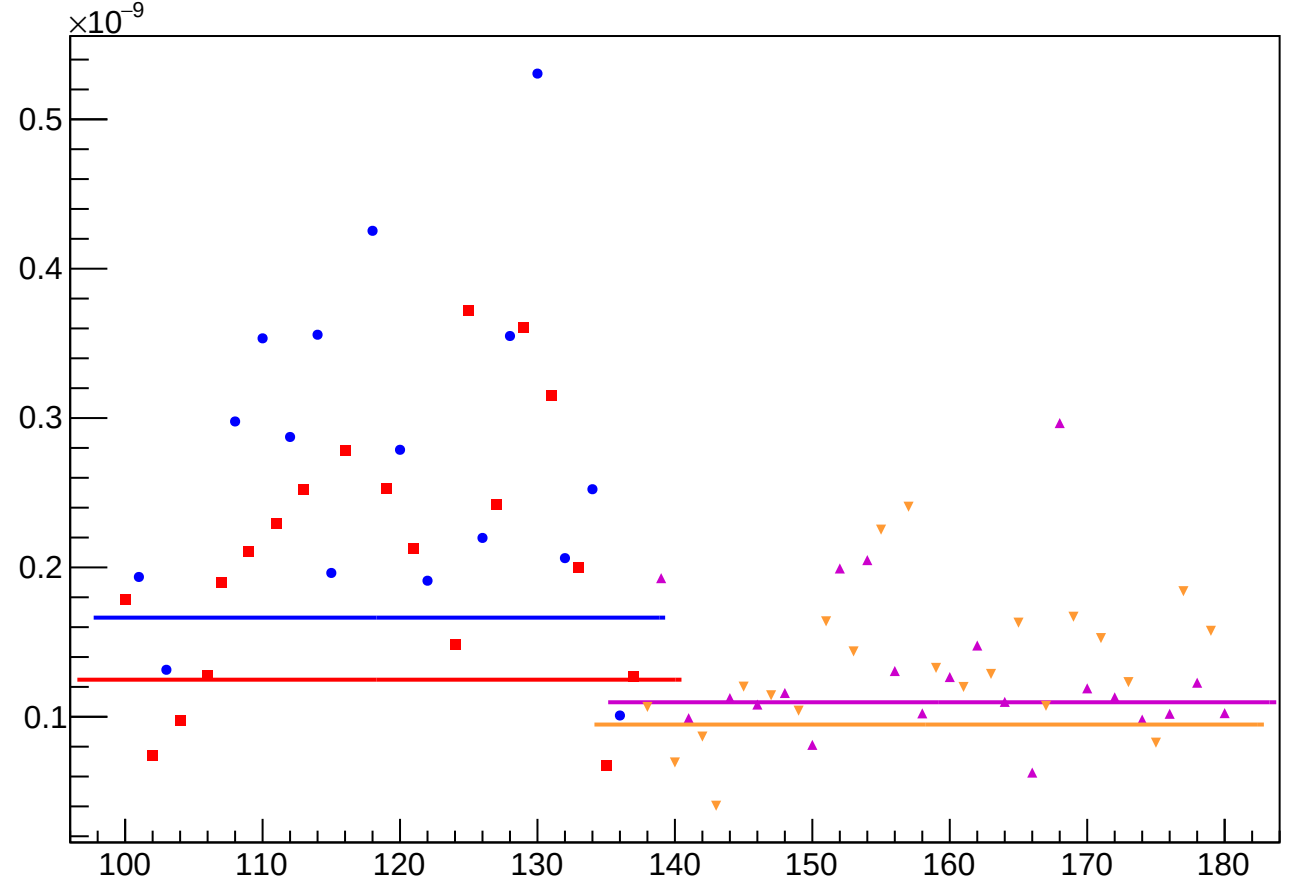
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 26.4/37

All: 0.000+/-0.000 χ^2/NDF: 58.7/77

- sign 0.000+/-0.000 χ^2/NDF: 30.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4527119.7/21

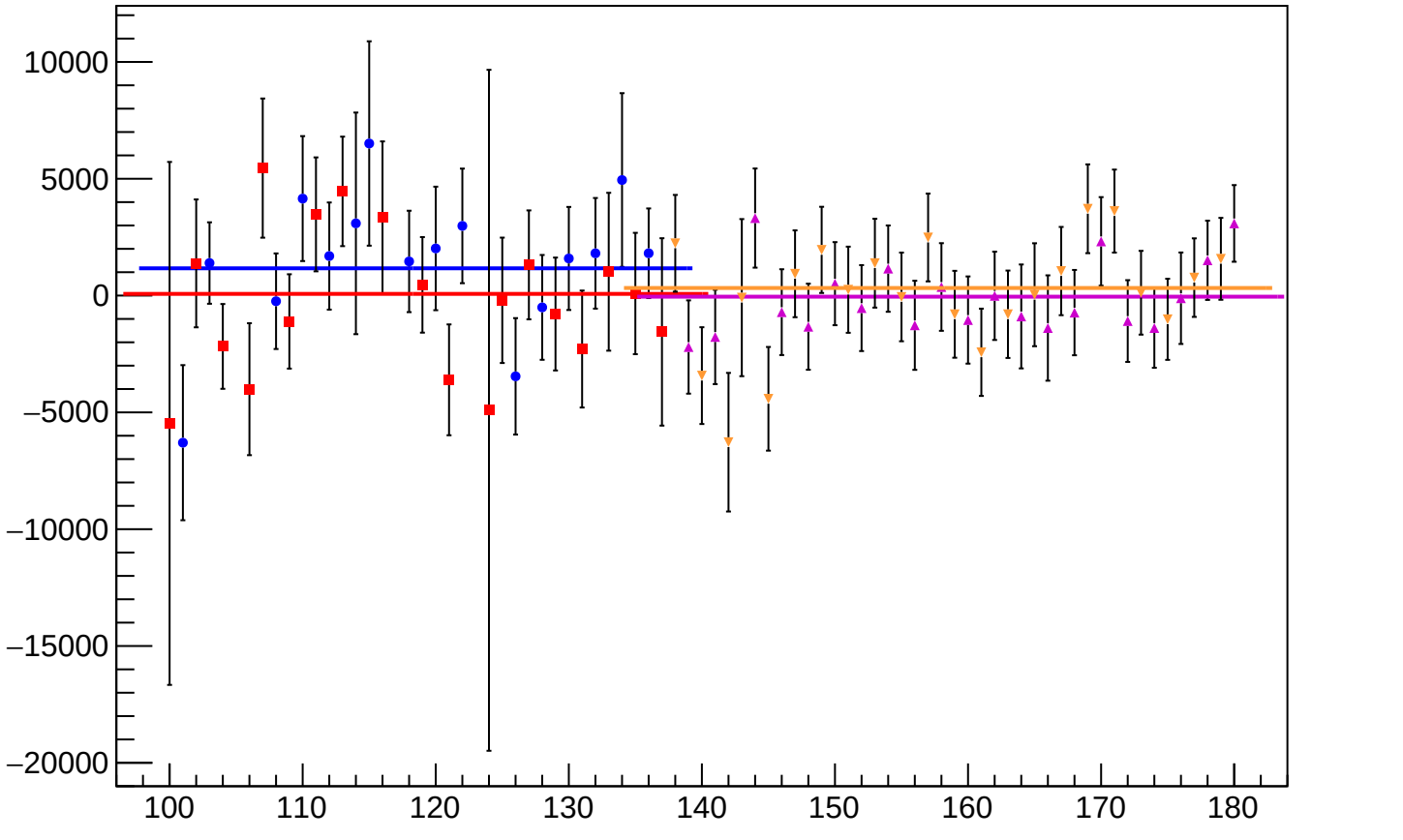
Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2036827.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 7782086.8/37

All: 0.000+/-0.000 χ^2/NDF: 12208223.1/77

- sign 0.000+/-0.000 χ^2/NDF: 4322325.9/39



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 324.415+/-413.402 χ^2/NDF:27.1/21

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

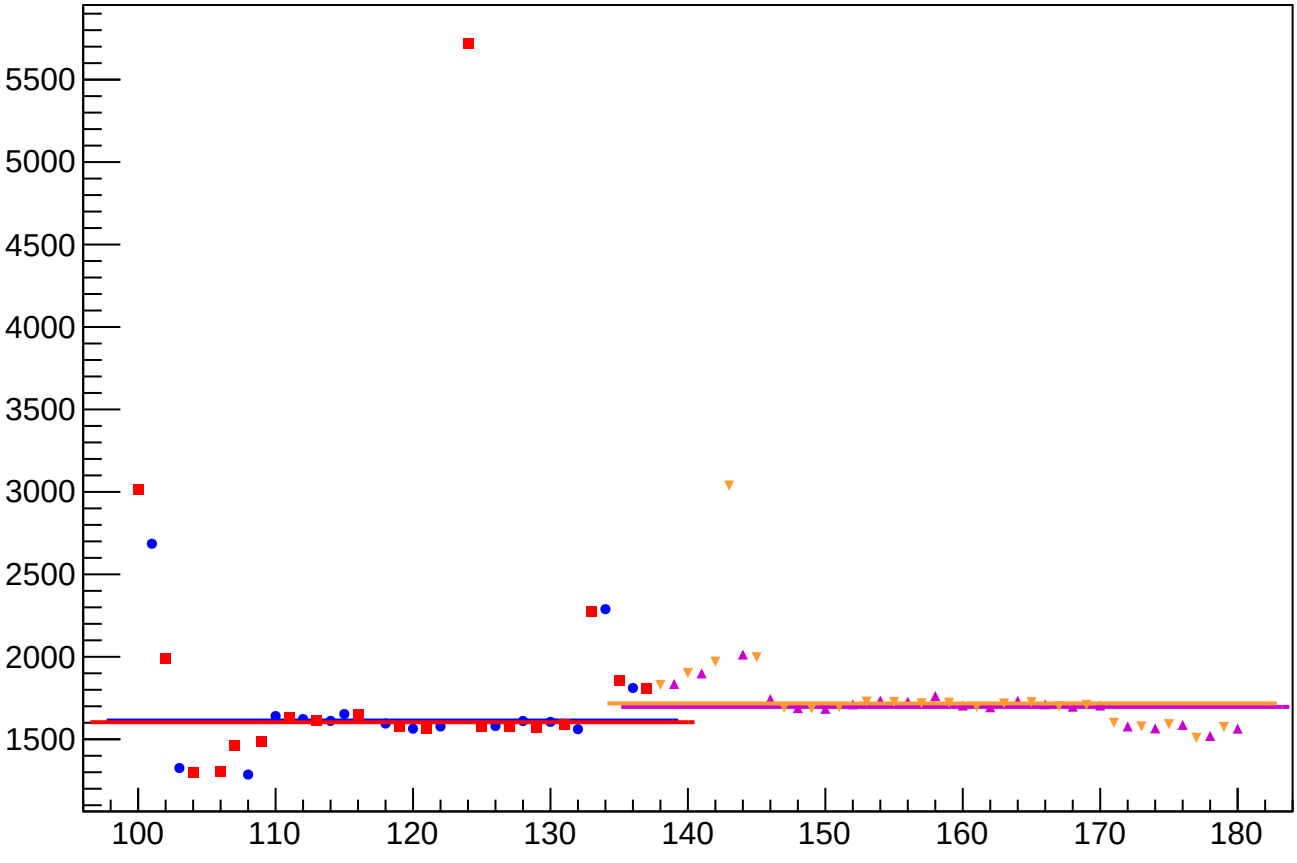
Left In: -47.599+/-409.255 χ^2/NDF:14.0/20

+ sign 590.056+/-342.071 χ^2/NDF: 42.8/37

All: 287.124+/-240.677 χ^2/NDF: 76.7/77

- 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: 1717.367+/-0.292 χ^2/NDF:453981.0/21

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

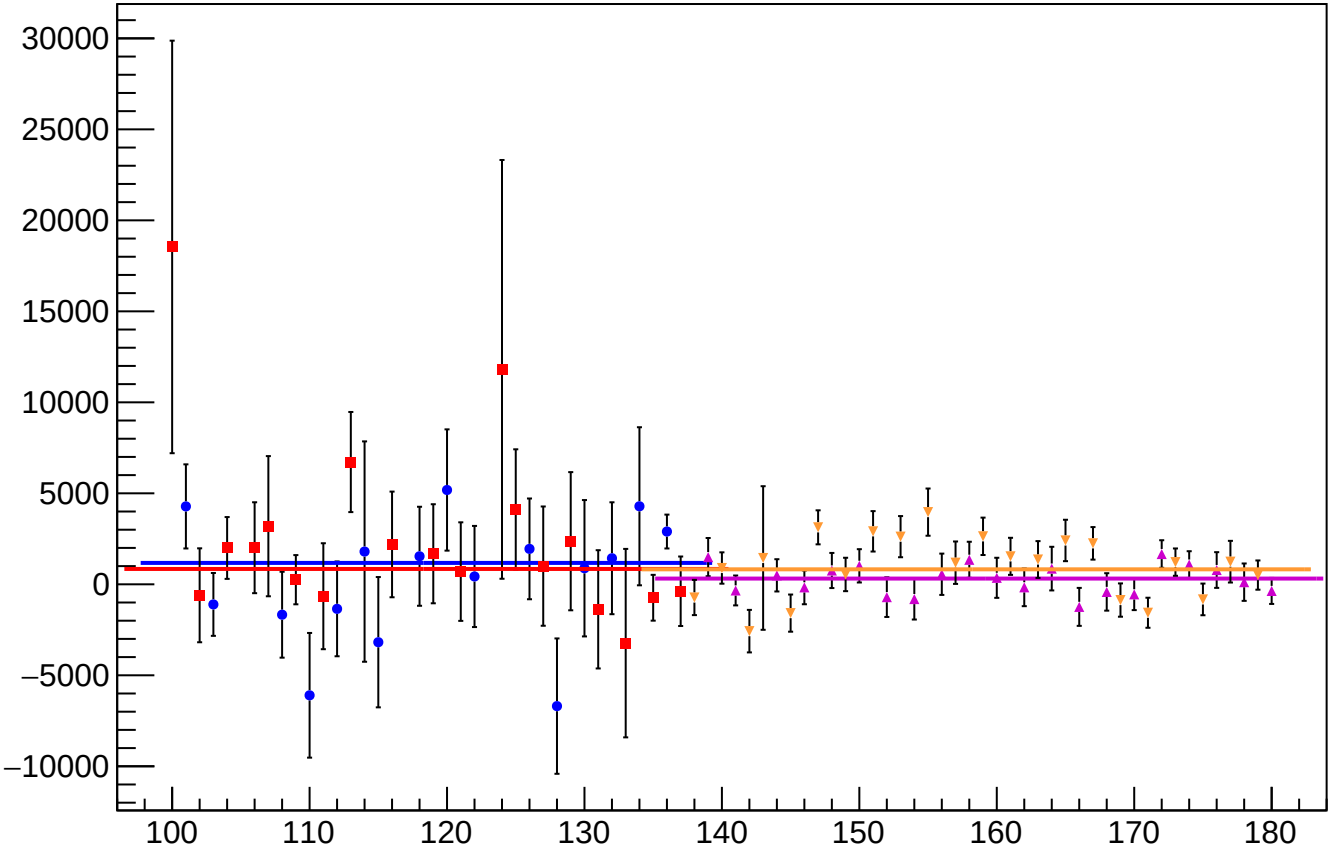
Left In: 1696.317+/-0.289 χ^2/NDF:142480.5/20

+ sign 1684.670+/-0.242 χ^2/NDF: 898346.5/37

All: 1675.777+/-0.170 χ^2/NDF: 1501738.1/77

- 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: 823.311+/-211.239 χ^2/NDF:59.1/21

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

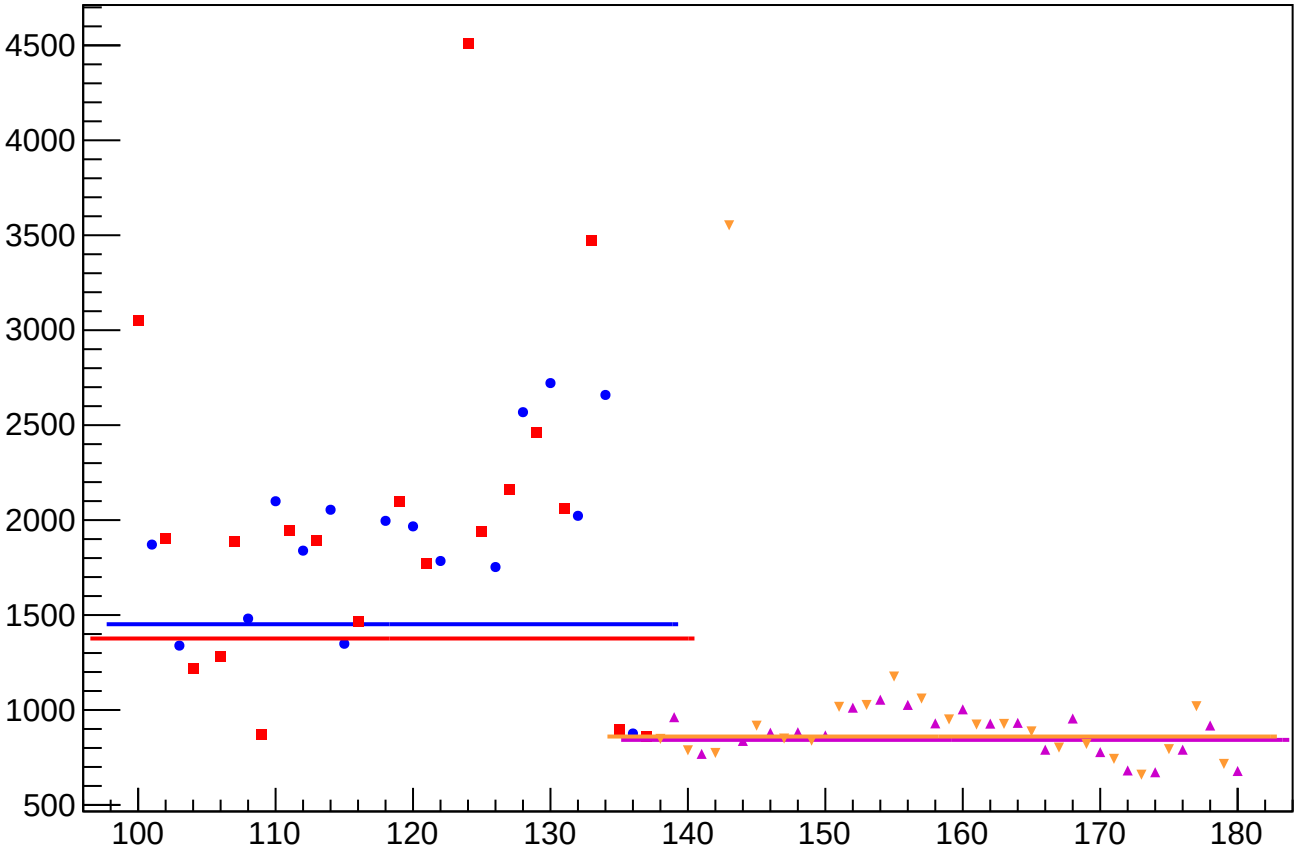
Left In: 315.101+/-205.387 χ^2/NDF:15.6/20

+ sign 864.672+/-198.447 χ^2/NDF: 81.5/37

All: 614.370+/-138.255 χ^2/NDF: 115.2/77

- 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: 860.204+/-0.149 χ^2/NDF:1568635.9/21

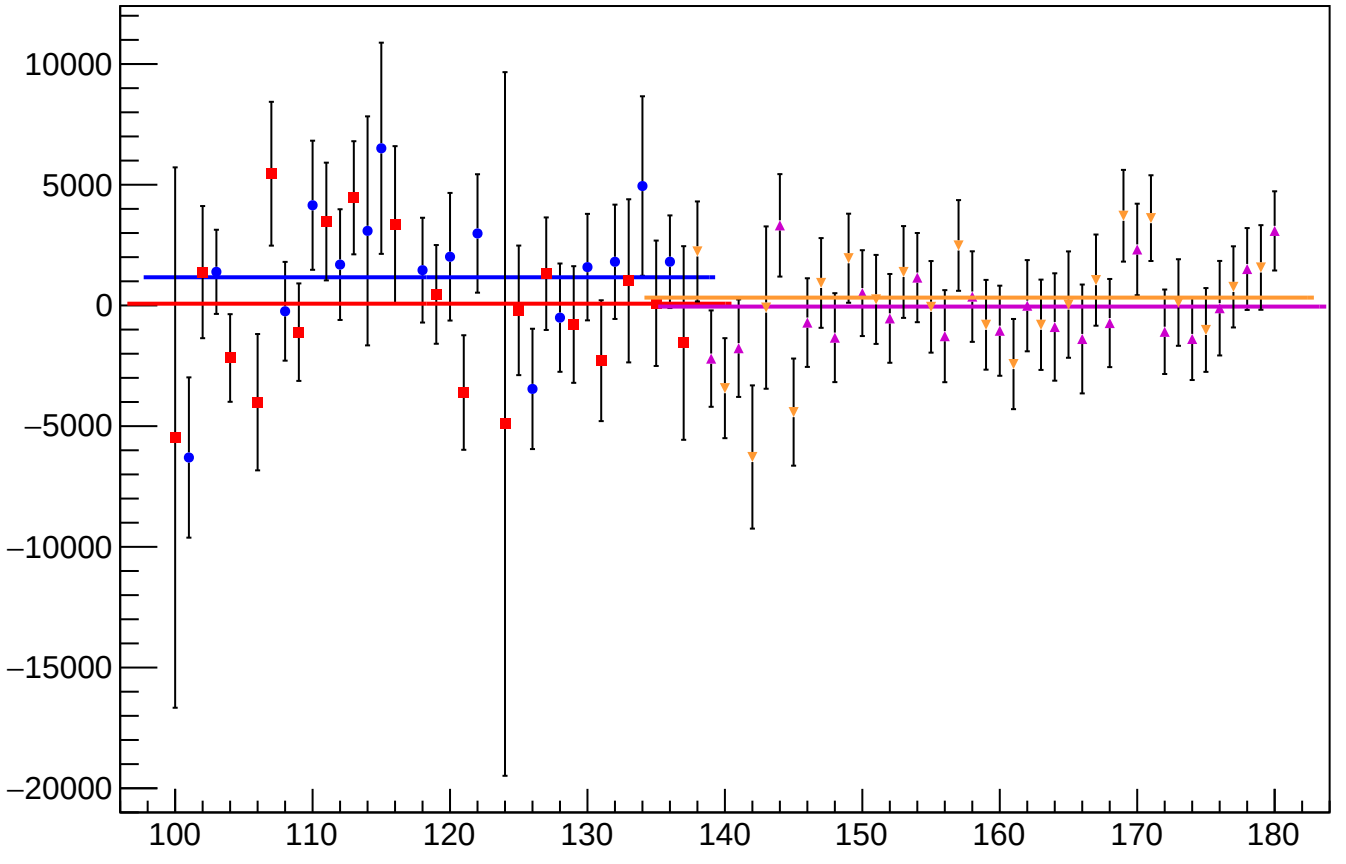
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 842.611+/-0.145 χ^2/NDF:664334.4/20

+ sign 929.665+/-0.140 χ^2/NDF: 5200770.8/37

All: 917.703+/-0.098 χ^2/NDF: 9626393.7/77

- 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: 324.369+/-413.402 χ^2/NDF:27.1/21

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

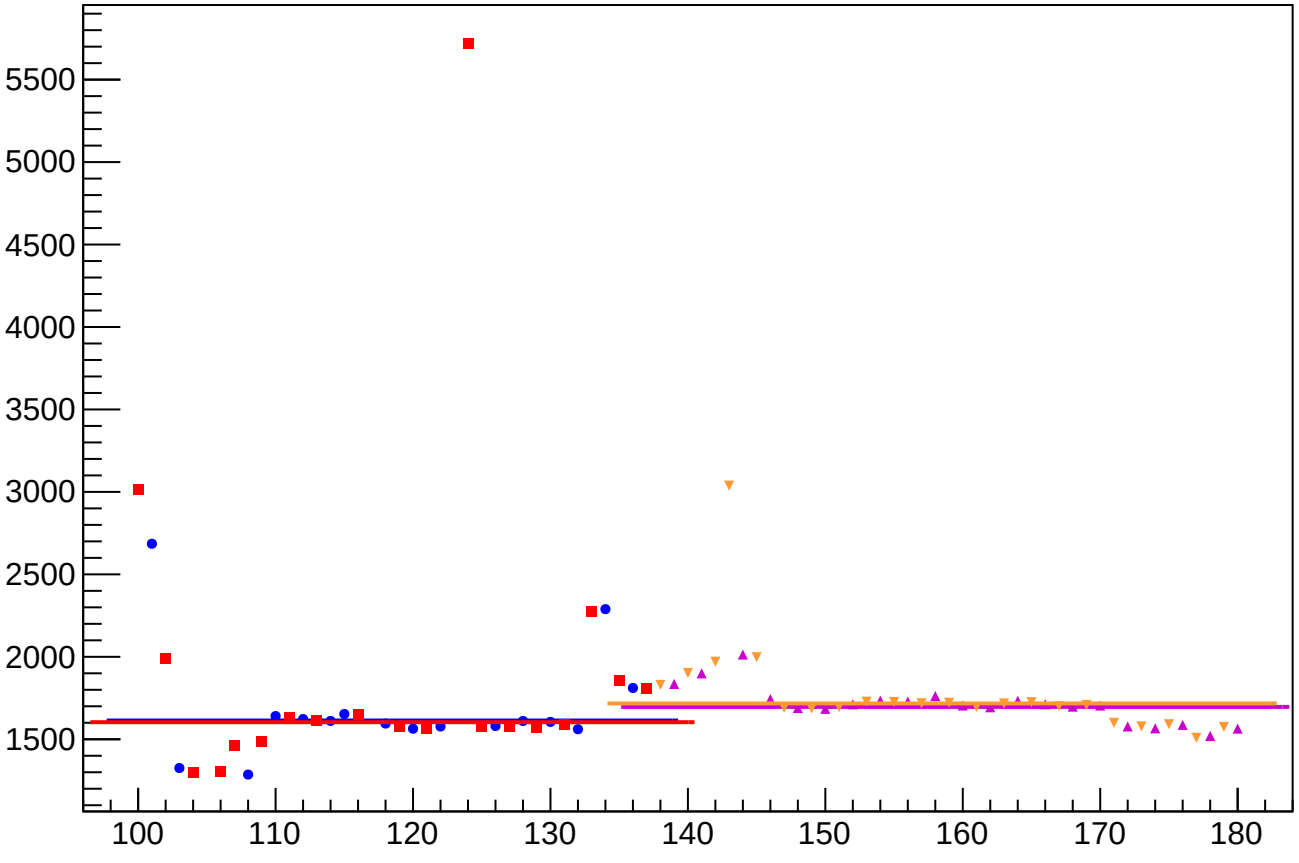
Left In: -47.542+/-409.255 χ^2/NDF:14.0/20

+ sign 589.995+/-342.071 χ^2/NDF: 42.8/37

All: 287.164+/-240.677 χ^2/NDF: 76.7/77

- 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: 1717.367+/-0.292 χ^2/NDF:453981.0/21

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

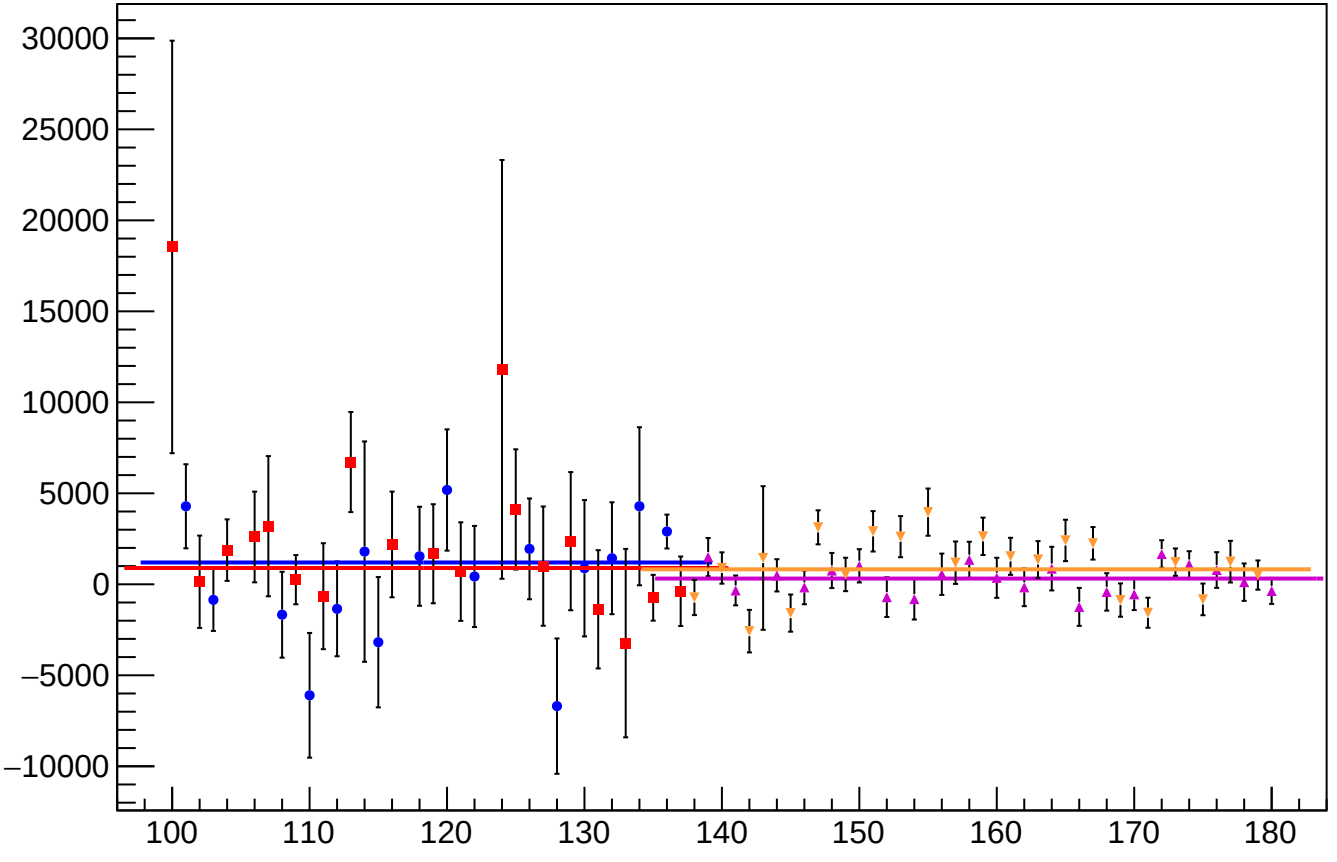
Left In: 1696.317+/-0.289 χ^2/NDF:142480.5/20

+ sign 1684.670+/-0.242 χ^2/NDF: 898346.8/37

All: 1675.777+/-0.170 χ^2/NDF: 1501738.5/77

- 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: 823.414+/-211.240 χ^2/NDF:59.1/21

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

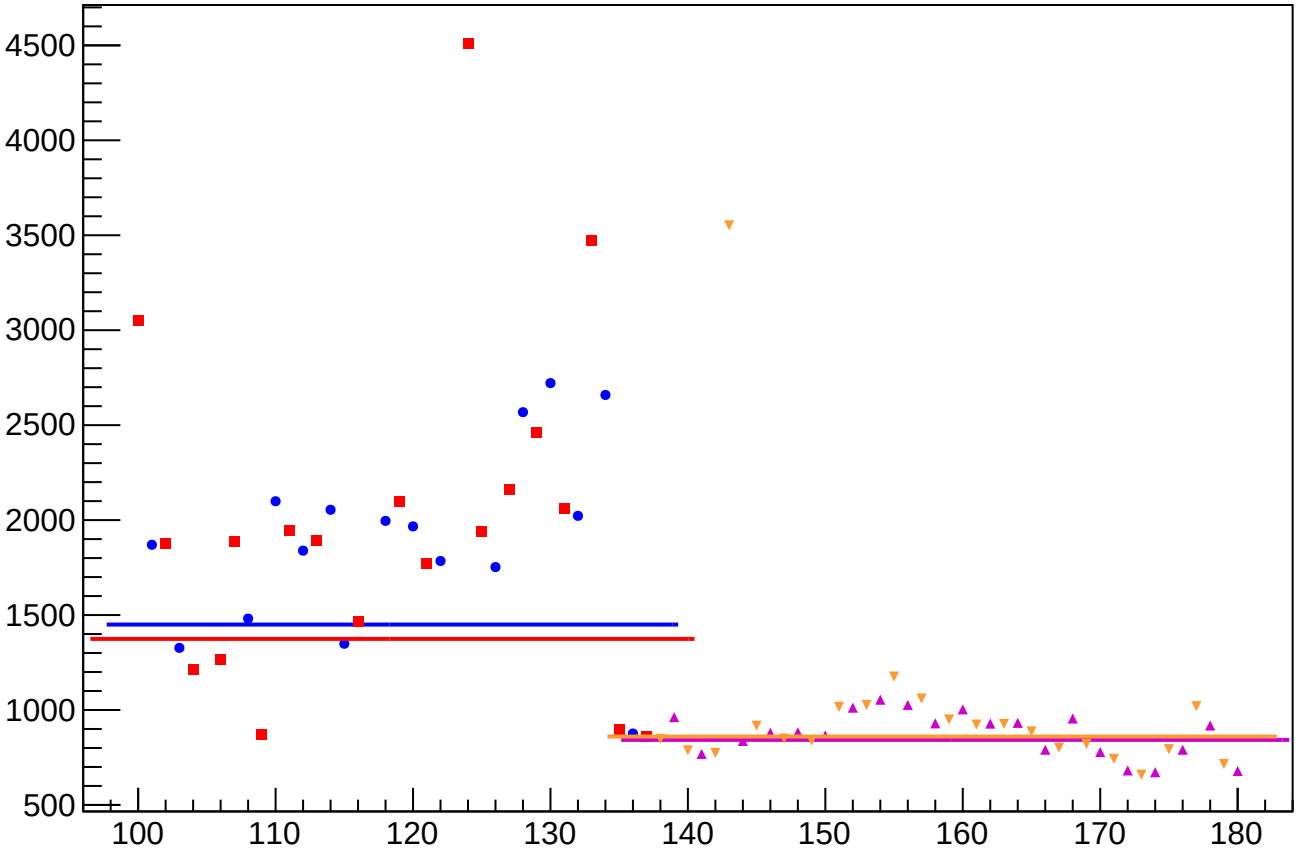
Left In: 315.080+/-205.387 χ^2/NDF:15.6/20

+ sign 867.558+/-198.415 χ^2/NDF: 81.2/37

All: 619.022+/-138.232 χ^2/NDF: 115.0/77

- 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: 860.211+/-0.149 χ^2/NDF:1568584.1/21

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

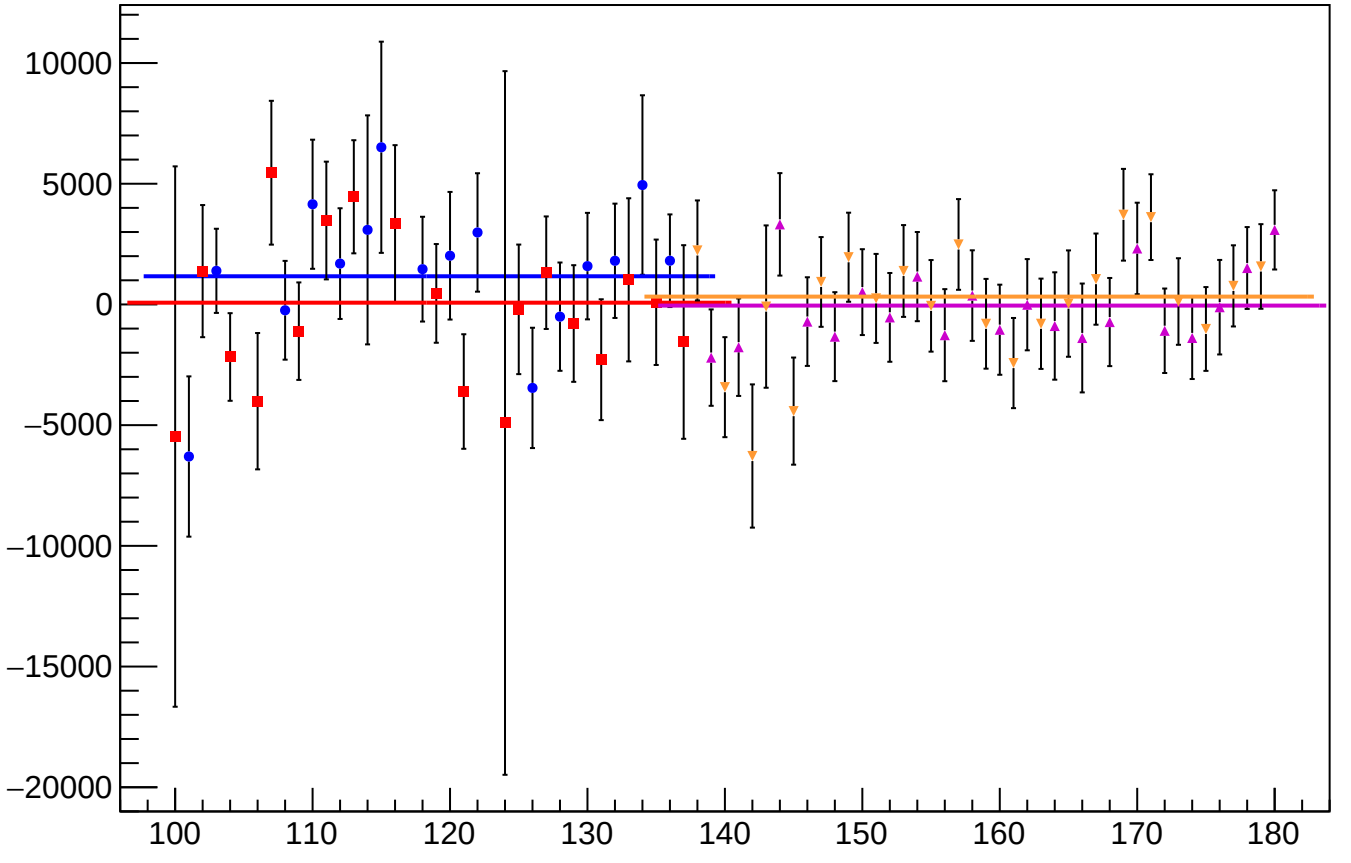
Left In: 842.614+/-0.145 χ^2/NDF:664331.6/20

+ sign 929.647+/-0.140 χ^2/NDF: 5196573.2/37

All: 917.651+/-0.098 χ^2/NDF: 9609554.0/77

- 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: 324.369+/-413.402 χ^2/NDF:27.1/21

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

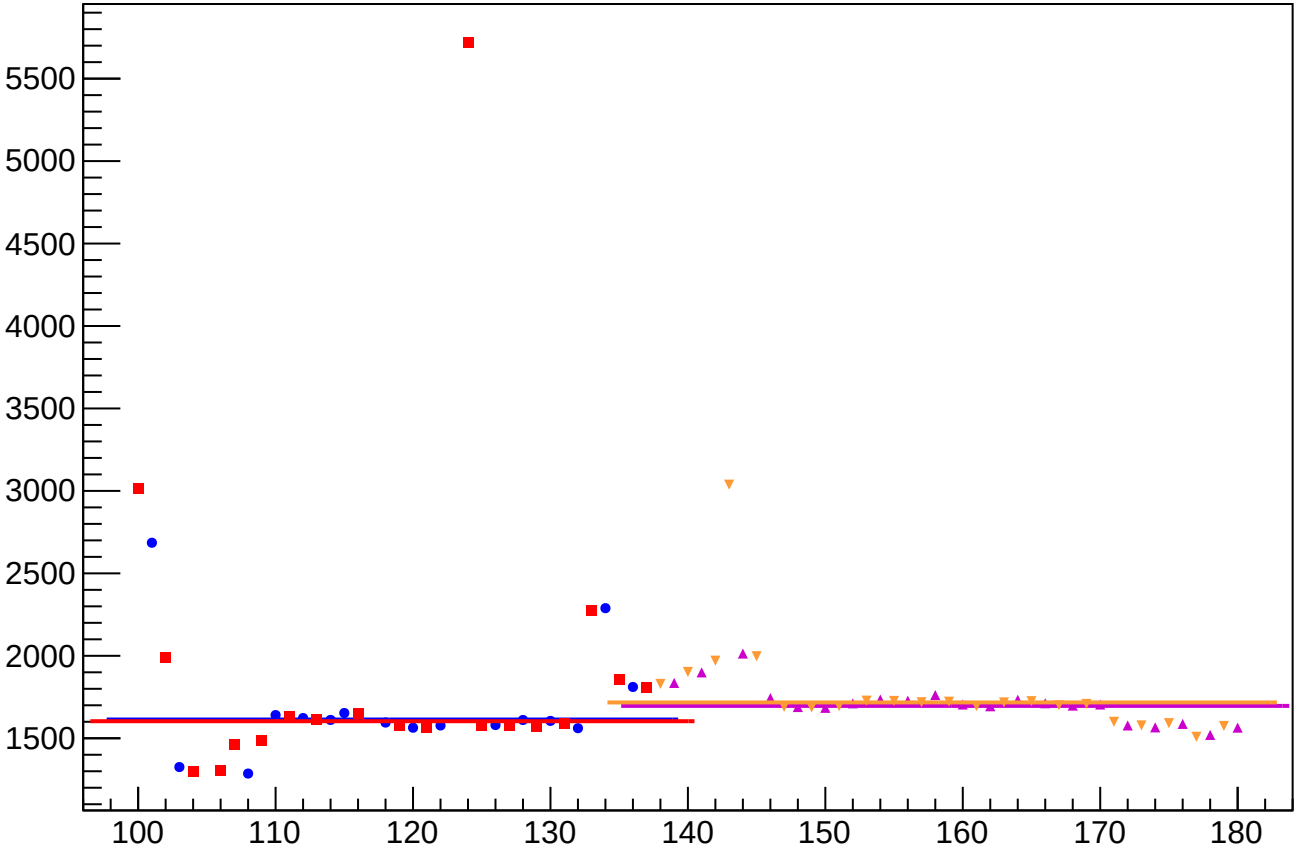
Left In: -47.542+/-409.255 χ^2/NDF:14.0/20

+ sign 589.995+/-342.071 χ^2/NDF: 42.8/37

All: 287.164+/-240.677 χ^2/NDF: 76.7/77

- 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: 1717.367+/-0.292 χ^2/NDF:453981.0/21

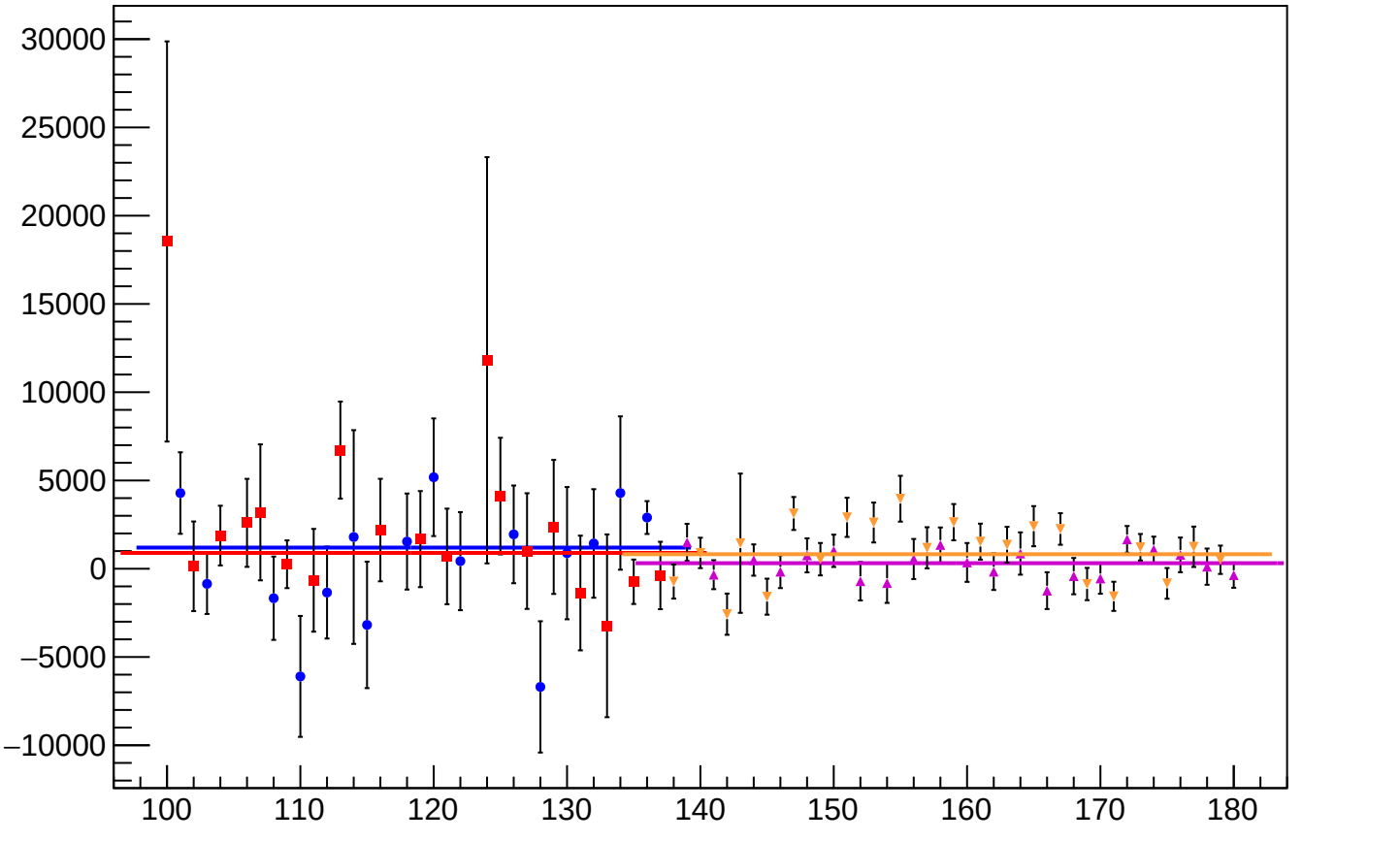
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1696.317+/-0.289 χ^2/NDF:142480.5/20

+ sign 1684.670+/-0.242 χ^2/NDF: 898346.8/37

All: 1675.777+/-0.170 χ^2/NDF: 1501738.5/77

- 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: 823.414+/-211.240 χ^2/NDF:59.1/21

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

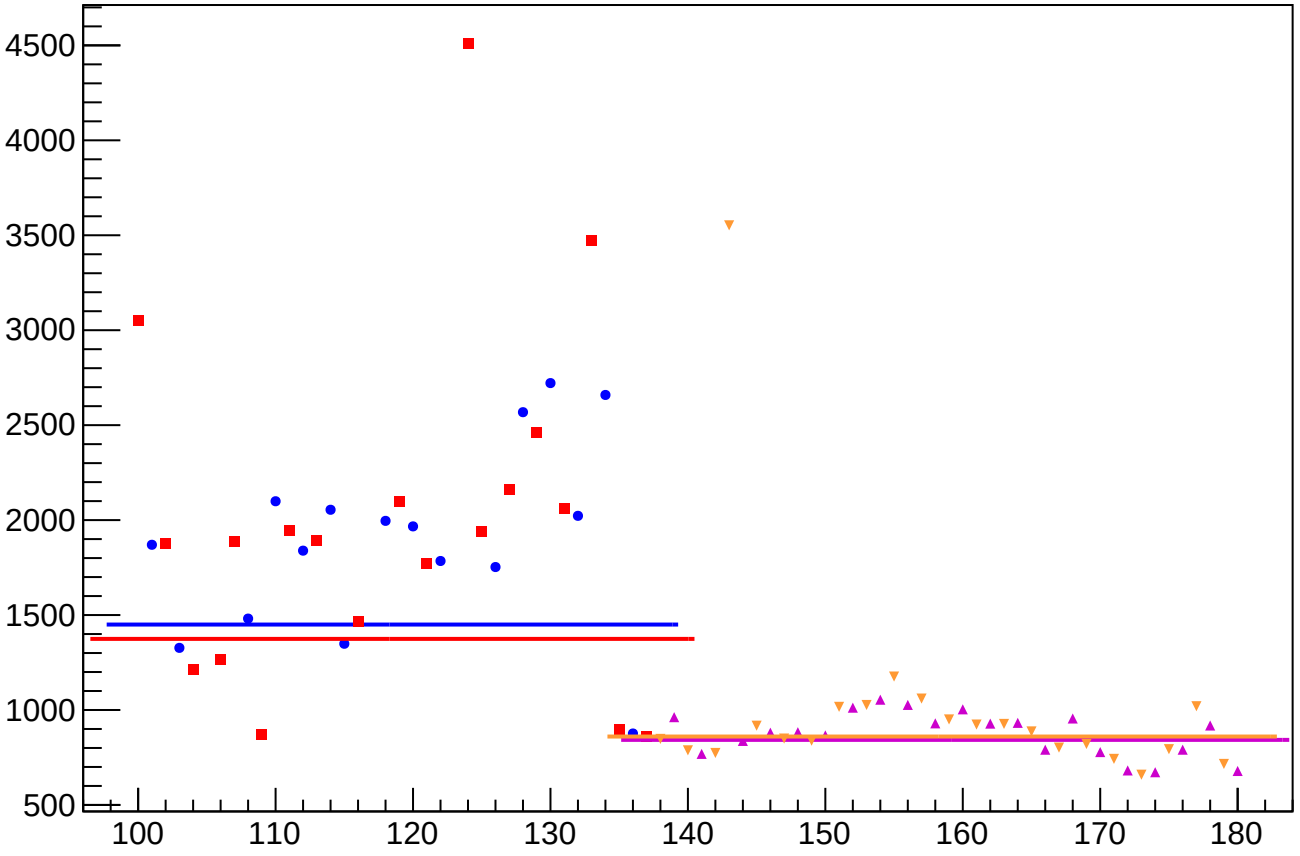
Left In: 315.080+/-205.387 χ^2/NDF:15.6/20

+ sign 867.558+/-198.415 χ^2/NDF: 81.2/37

All: 619.022+/-138.232 χ^2/NDF: 115.0/77

- 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: 860.211+/-0.149 χ^2/NDF:1568584.1/21

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

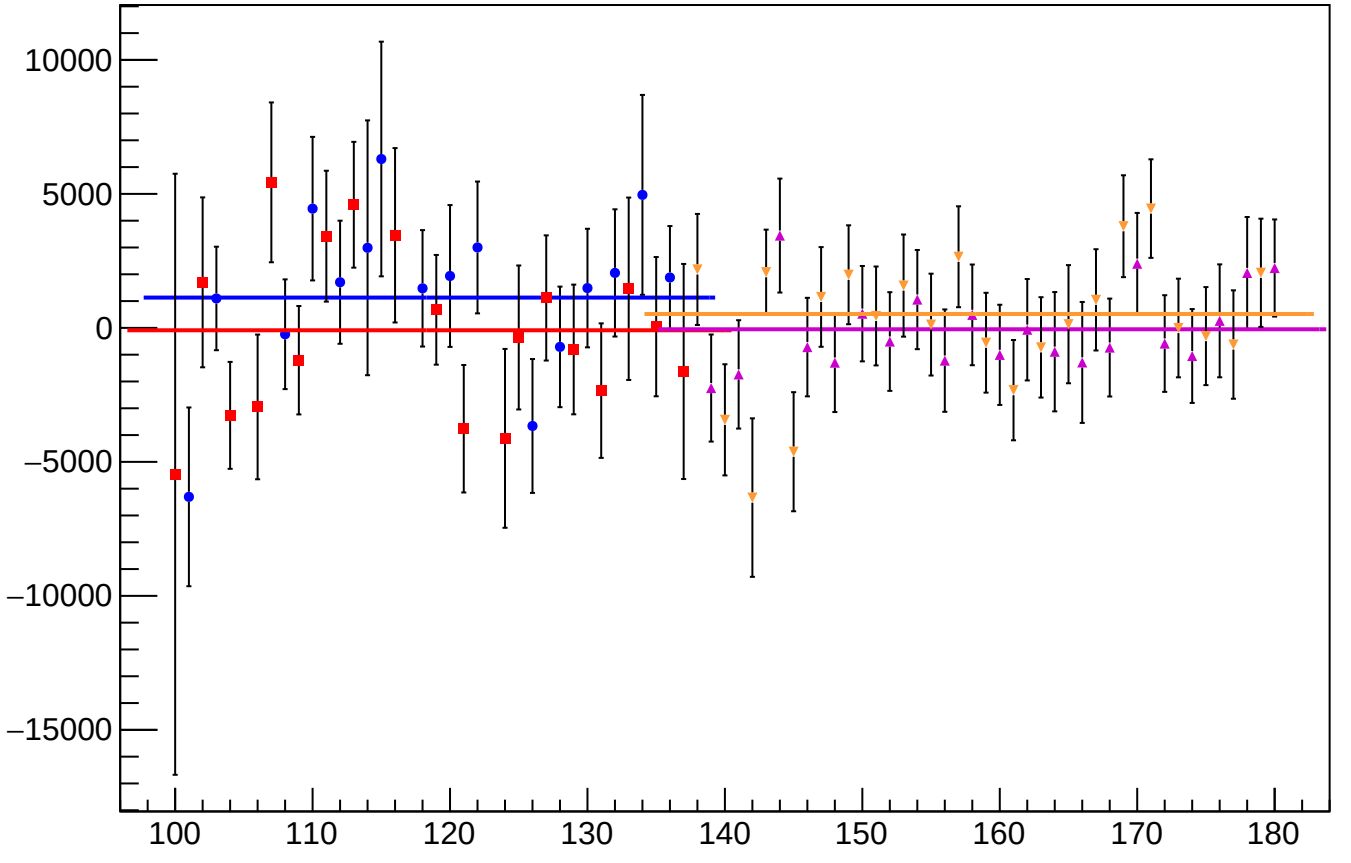
Left In: 842.614+/-0.145 χ^2/NDF:664331.6/20

+ sign 929.647+/-0.140 χ^2/NDF: 5196573.2/37

All: 917.651+/-0.098 χ^2/NDF: 9609554.0/77

- 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: 518.348+/-412.023 χ^2/NDF:30.3/21

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

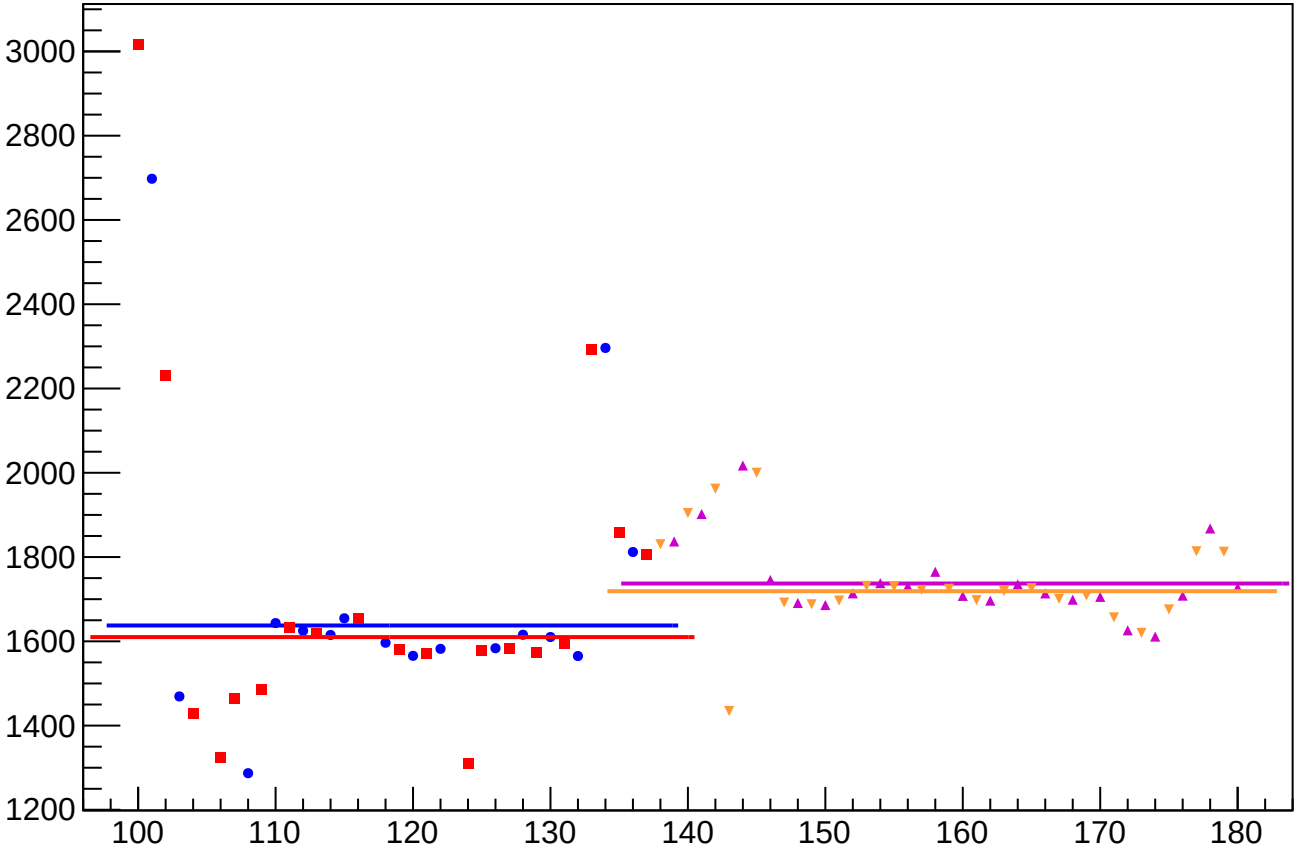
Left In: -52.030+/-418.826 χ^2/NDF:11.7/20

+ sign 707.109+/-342.687 χ^2/NDF: 45.9/37

All: 322.968+/-242.781 χ^2/NDF: 80.9/77

- 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: 1718.907+/-0.291 χ^2/NDF:151288.2/21

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

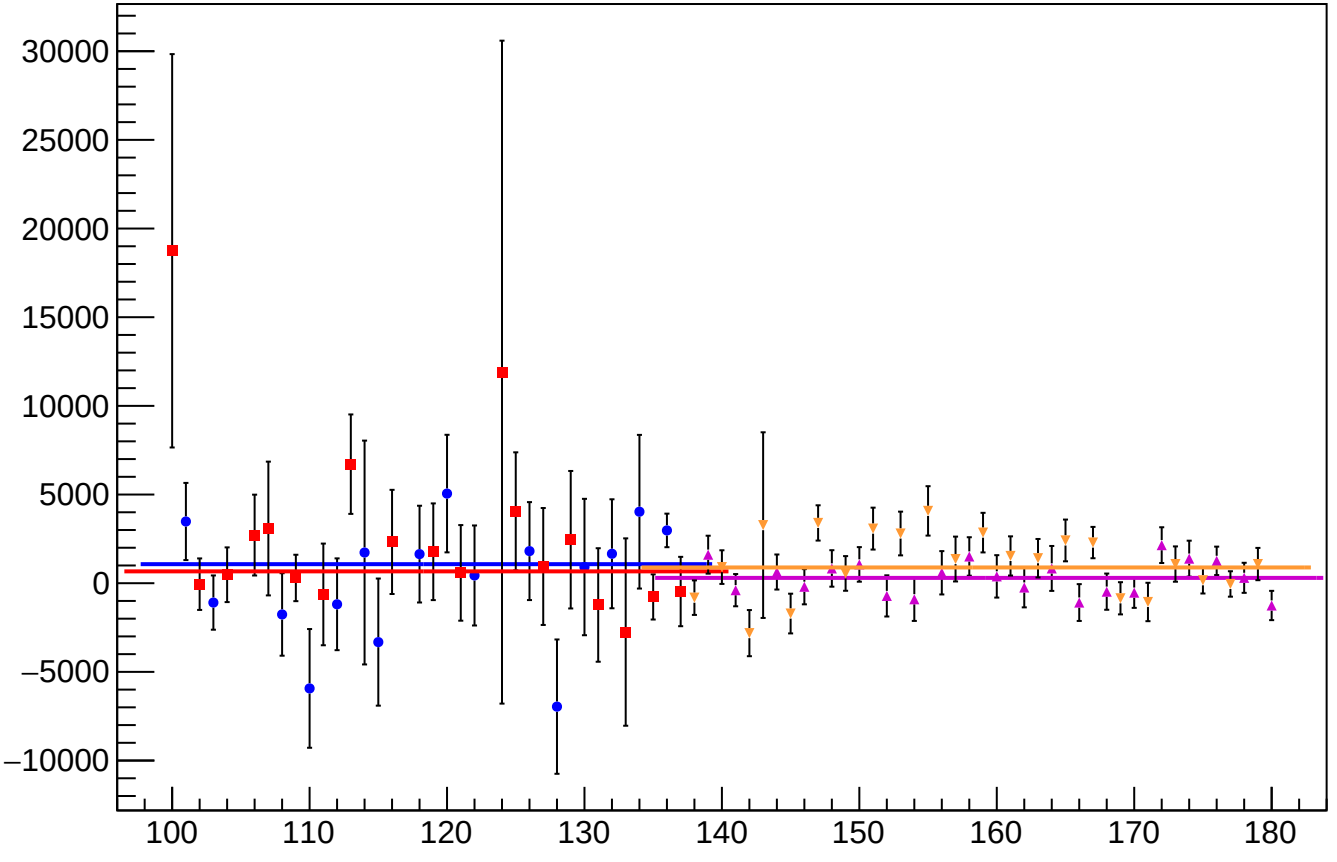
Left In: 1737.178+/-0.296 χ^2/NDF:85985.3/20

+ sign 1693.836+/-0.242 χ^2/NDF: 536727.3/37

All: 1694.820+/-0.172 χ^2/NDF: 963521.2/77

- 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: 888.375+/-220.018 χ^2/NDF:52.0/21

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

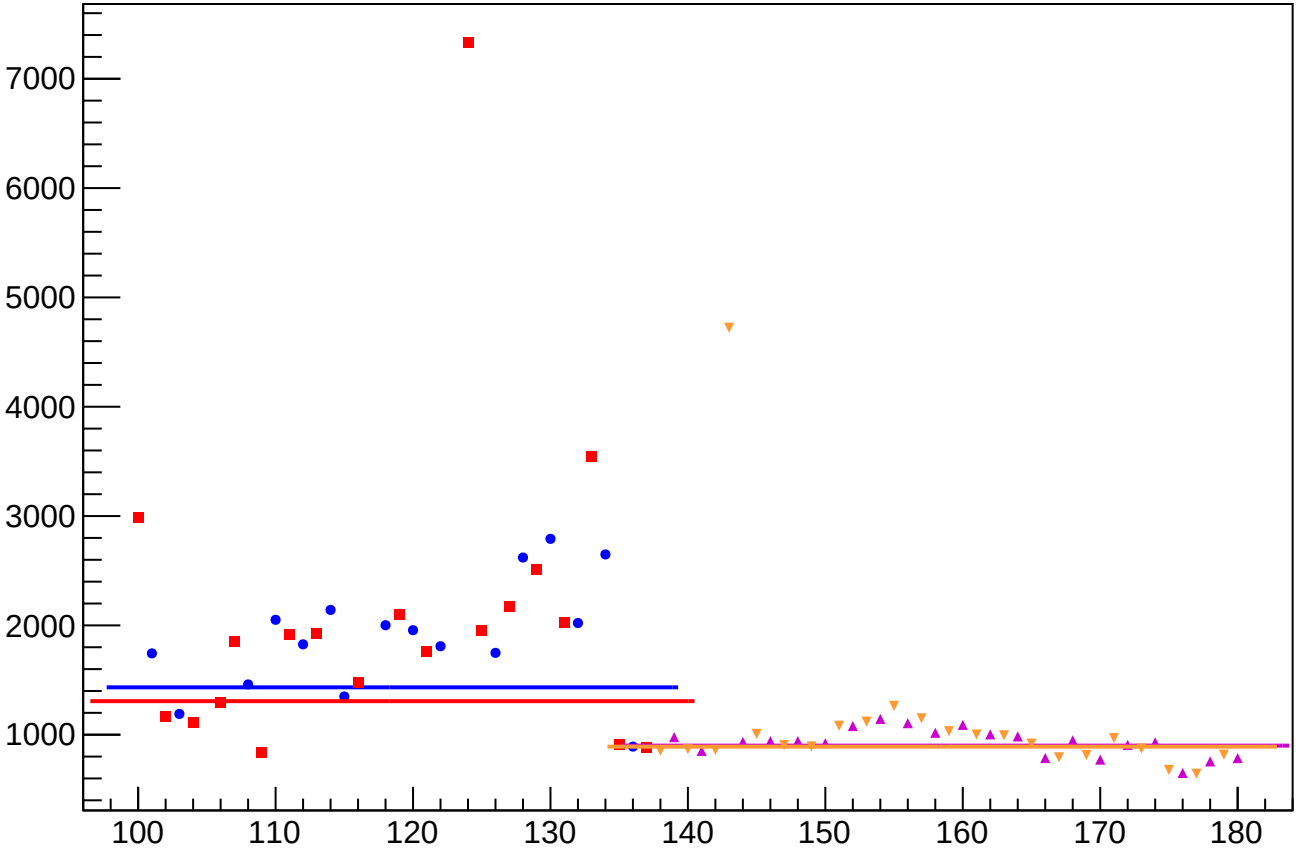
Left In: 299.611+/-219.319 χ^2/NDF:19.6/20

+ sign 912.276+/-205.333 χ^2/NDF: 74.1/37

All: 629.258+/-144.102 χ^2/NDF: 111.4/77

- 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: 890.828+/-0.156 χ^2/NDF:1983341.0/21

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

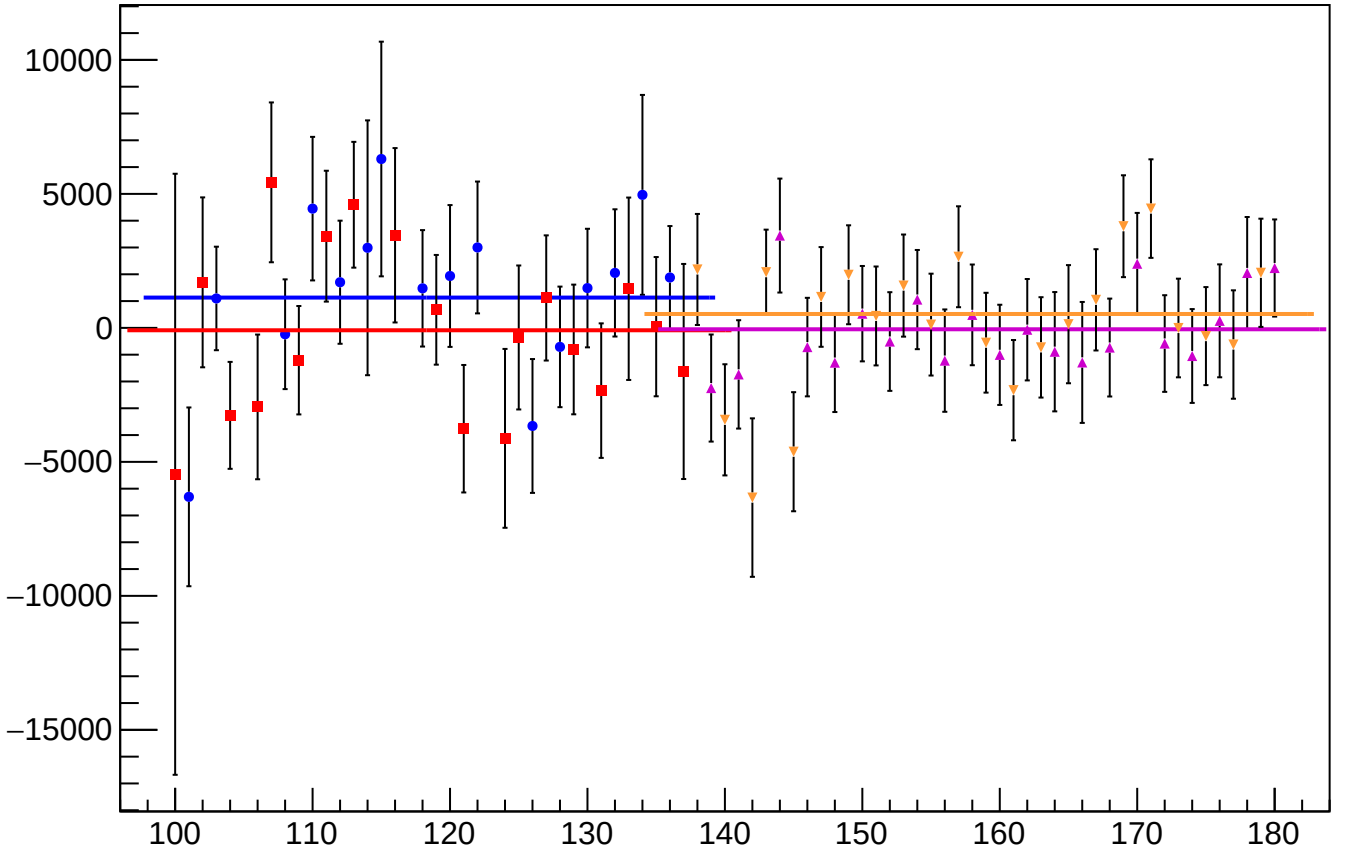
Left In: 900.089+/-0.155 χ^2/NDF:675474.5/20

+ sign 960.850+/-0.145 χ^2/NDF: 5316724.3/37

All: 960.840+/-0.102 χ^2/NDF: 9203442.4/77

- sign 960.830+/-0.143 χ^2/NDF: 3886718.1/39

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 518.343+/-412.023 χ^2/NDF:30.3/21

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

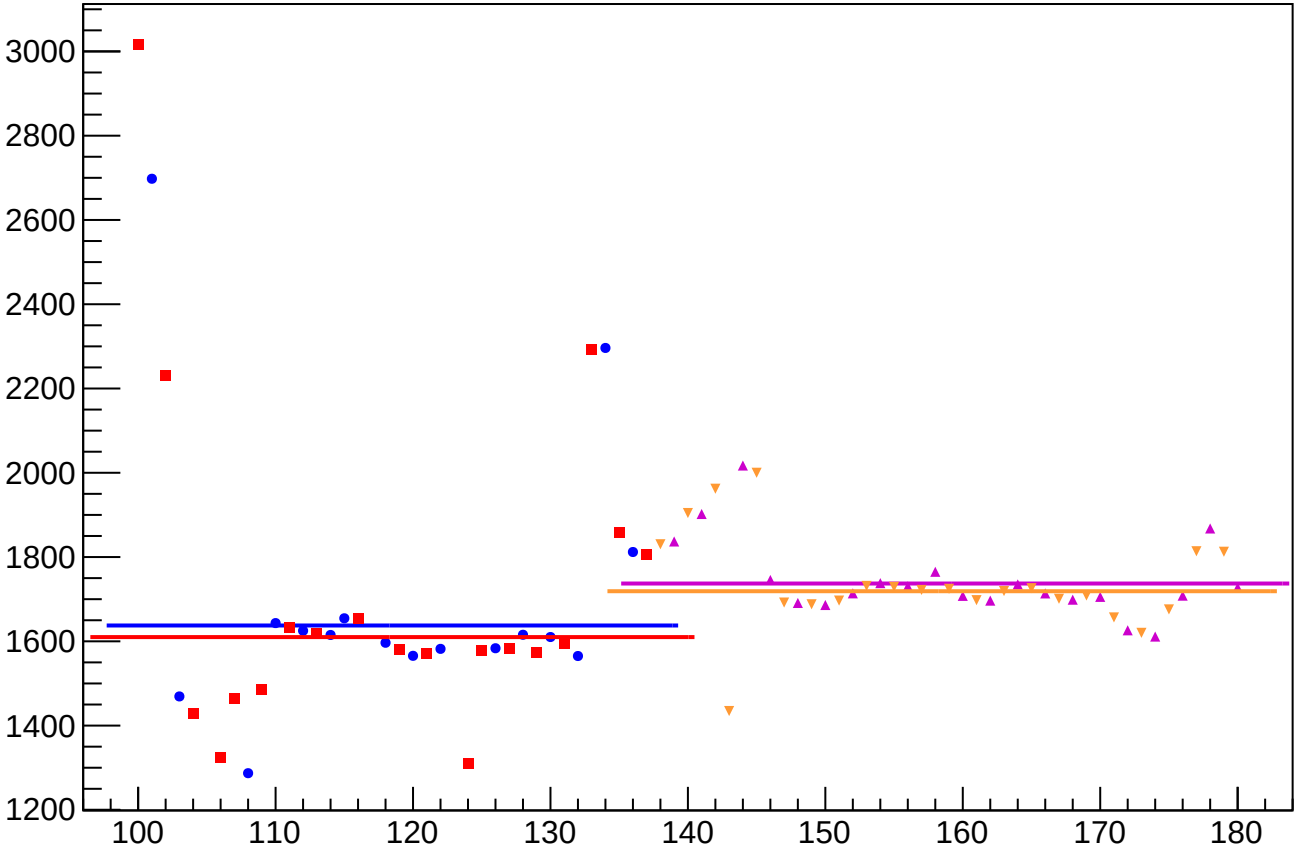
Left In: -52.031+/-418.826 χ^2/NDF:11.7/20

+ sign 707.106+/-342.687 χ^2/NDF: 45.9/37

All: 322.965+/-242.781 χ^2/NDF: 80.9/77

- sign -64.133+/-344.004 χ^2/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: 1718.906+/-0.291 χ^2/NDF:151287.1/21

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

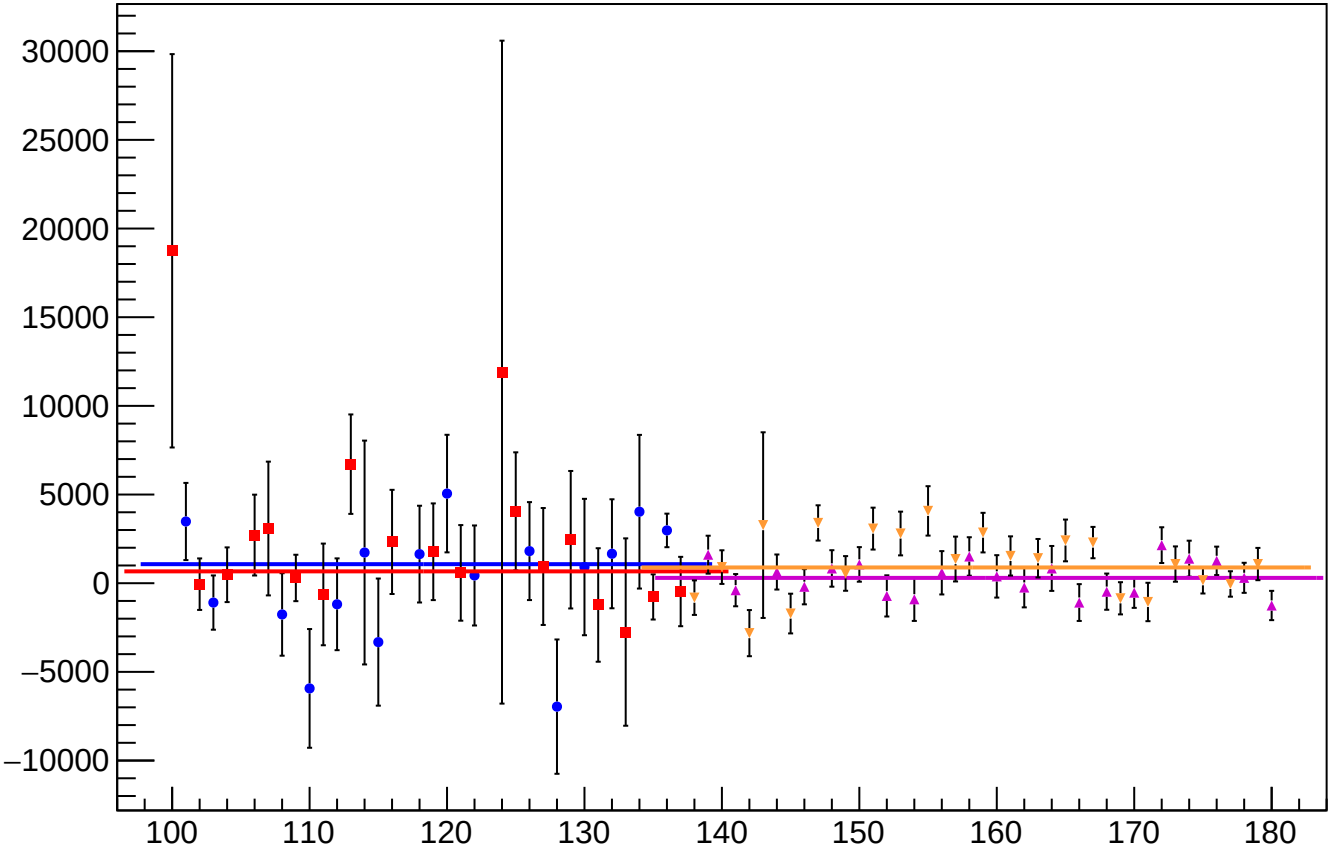
Left In: 1737.178+/-0.296 χ^2/NDF:85985.4/20

+ sign 1693.836+/-0.242 χ^2/NDF: 536726.0/37

All: 1694.820+/-0.172 χ^2/NDF: 963519.9/77

- 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: 888.379+/-220.018 χ^2/NDF:52.0/21

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

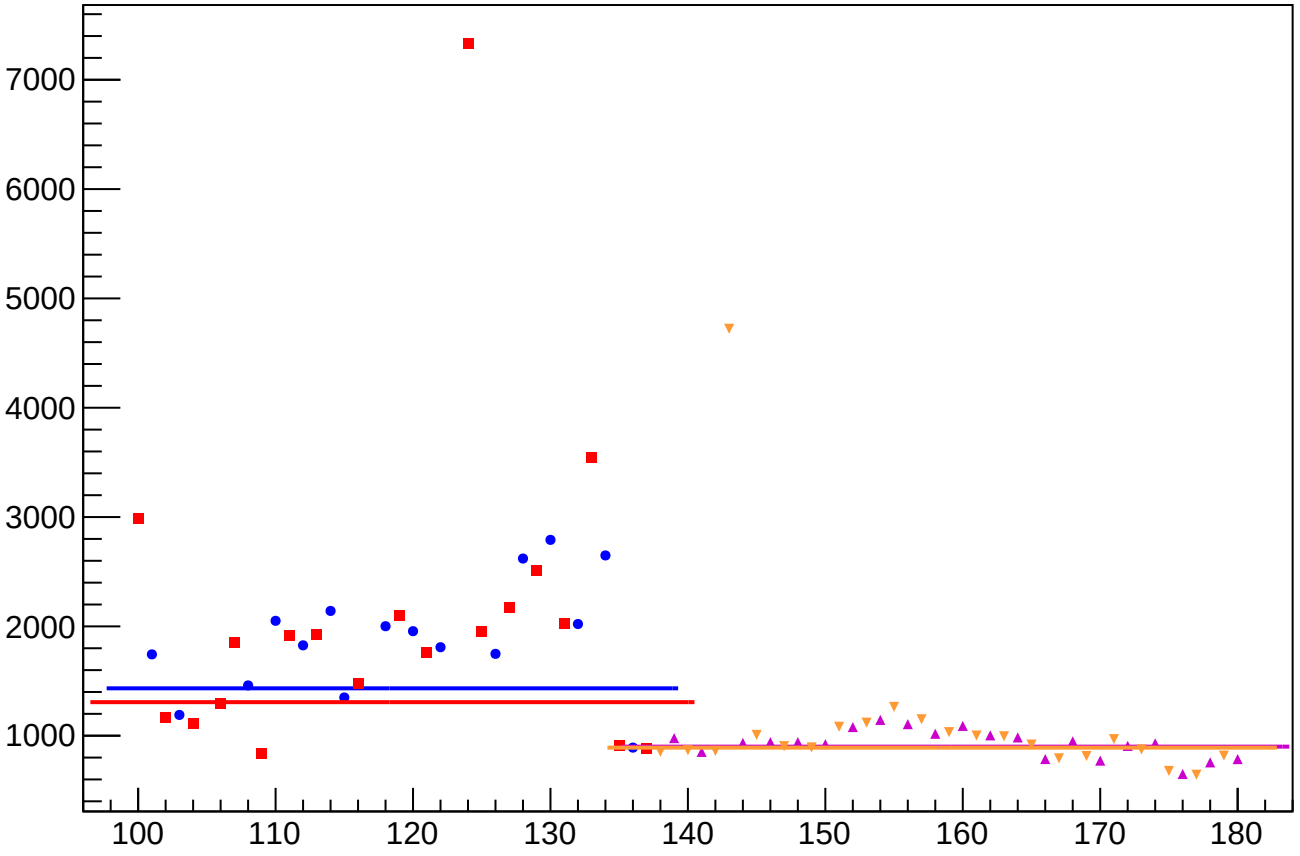
Left In: 299.608+/-219.318 χ^2/NDF:19.6/20

+ sign 912.278+/-205.333 χ^2/NDF: 74.1/37

All: 629.258+/-144.102 χ^2/NDF: 111.4/77

- 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: 890.828+/-0.156 χ^2/NDF:1983331.7/21

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

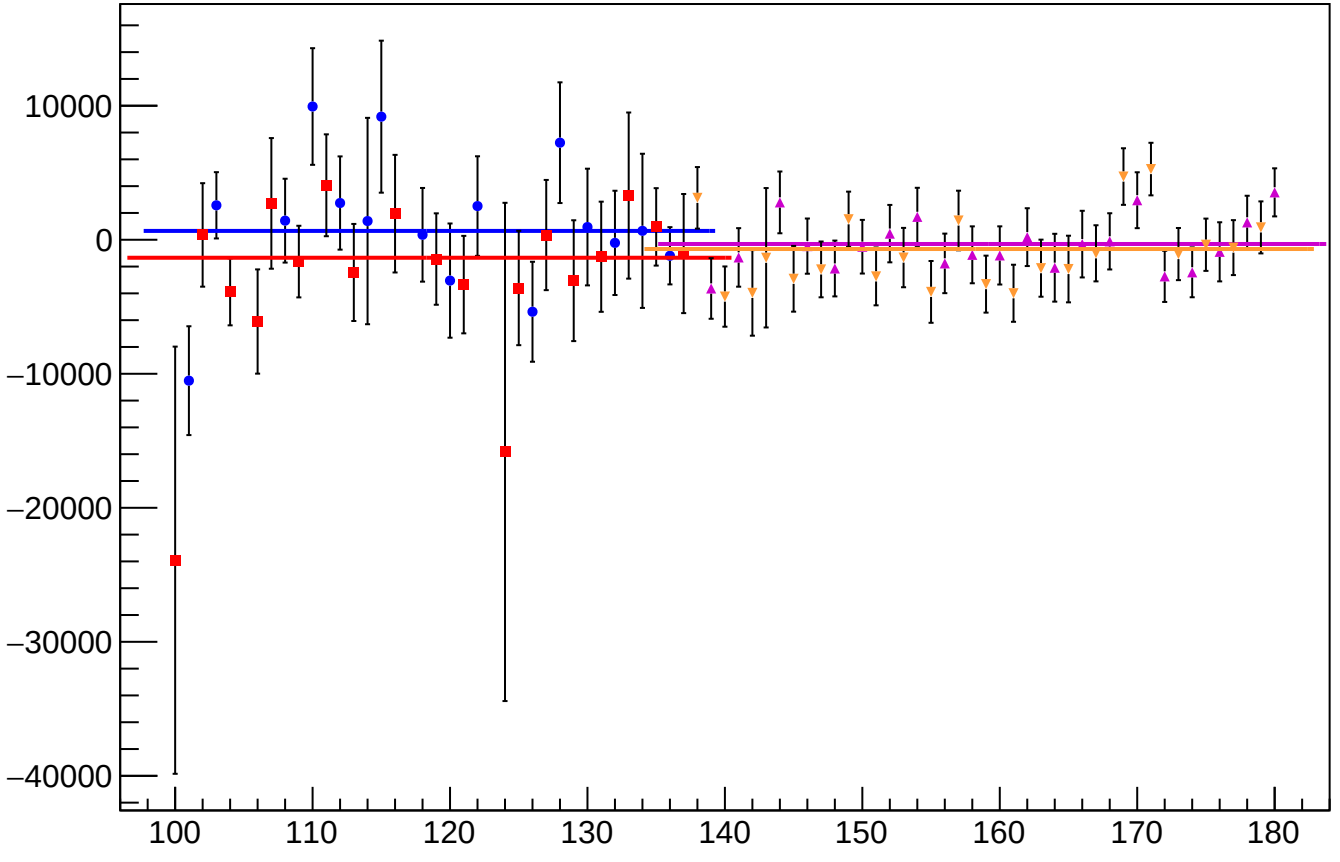
Left In: 900.088+/-0.155 χ^2/NDF:675485.6/20

+ sign 960.851+/-0.145 χ^2/NDF: 5316689.3/37

All: 960.840+/-0.102 χ^2/NDF: 9203409.7/77

- 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: -690.724+/-469.823 χ^2/NDF:34.0/21

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

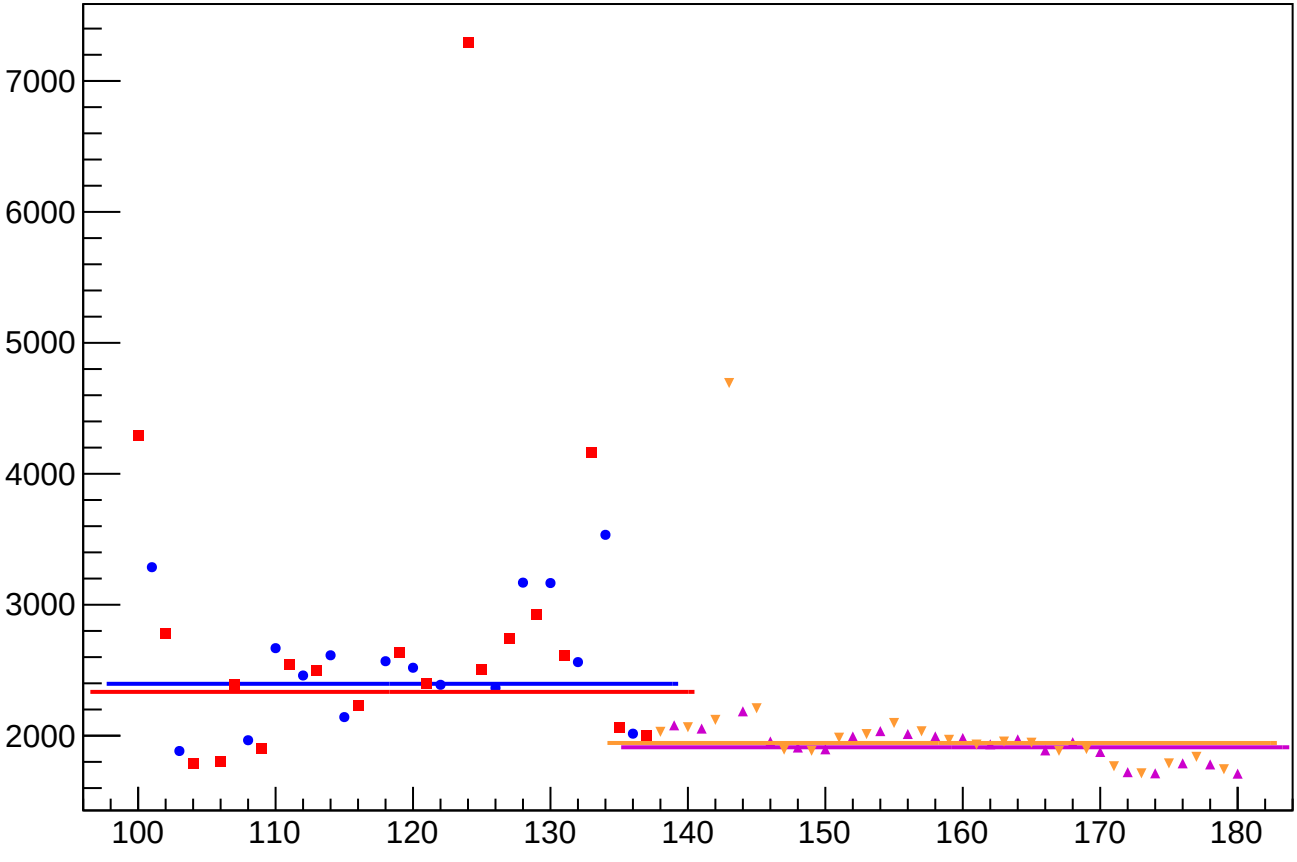
Left In: -315.396+/-461.284 χ^2/NDF:17.9/20

+ sign -406.357+/-417.426 χ^2/NDF: 57.7/37

All: -470.651+/-292.359 χ^2/NDF: 87.6/77

- sign -532.557+/-409.600 χ^2/NDF: 29.8/39

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1944.479+/-0.332 χ^2/NDF:701343.3/21

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

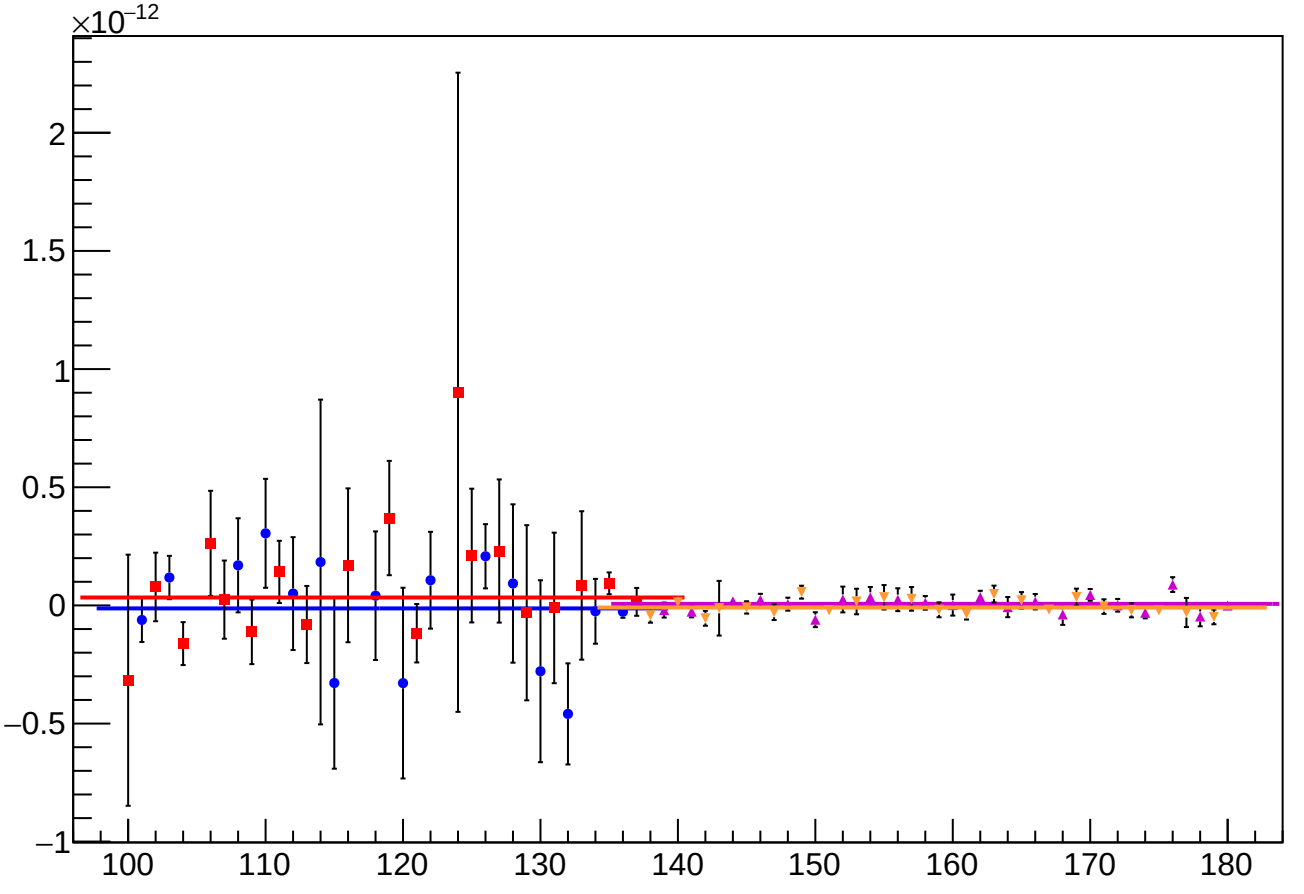
Left In: 1911.548+/-0.326 χ^2/NDF:153363.6/20

+ sign 2039.634+/-0.295 χ^2/NDF: 1598764.9/37

All: 2019.970+/-0.207 χ^2/NDF: 2798244.5/77

- 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:21.0/21

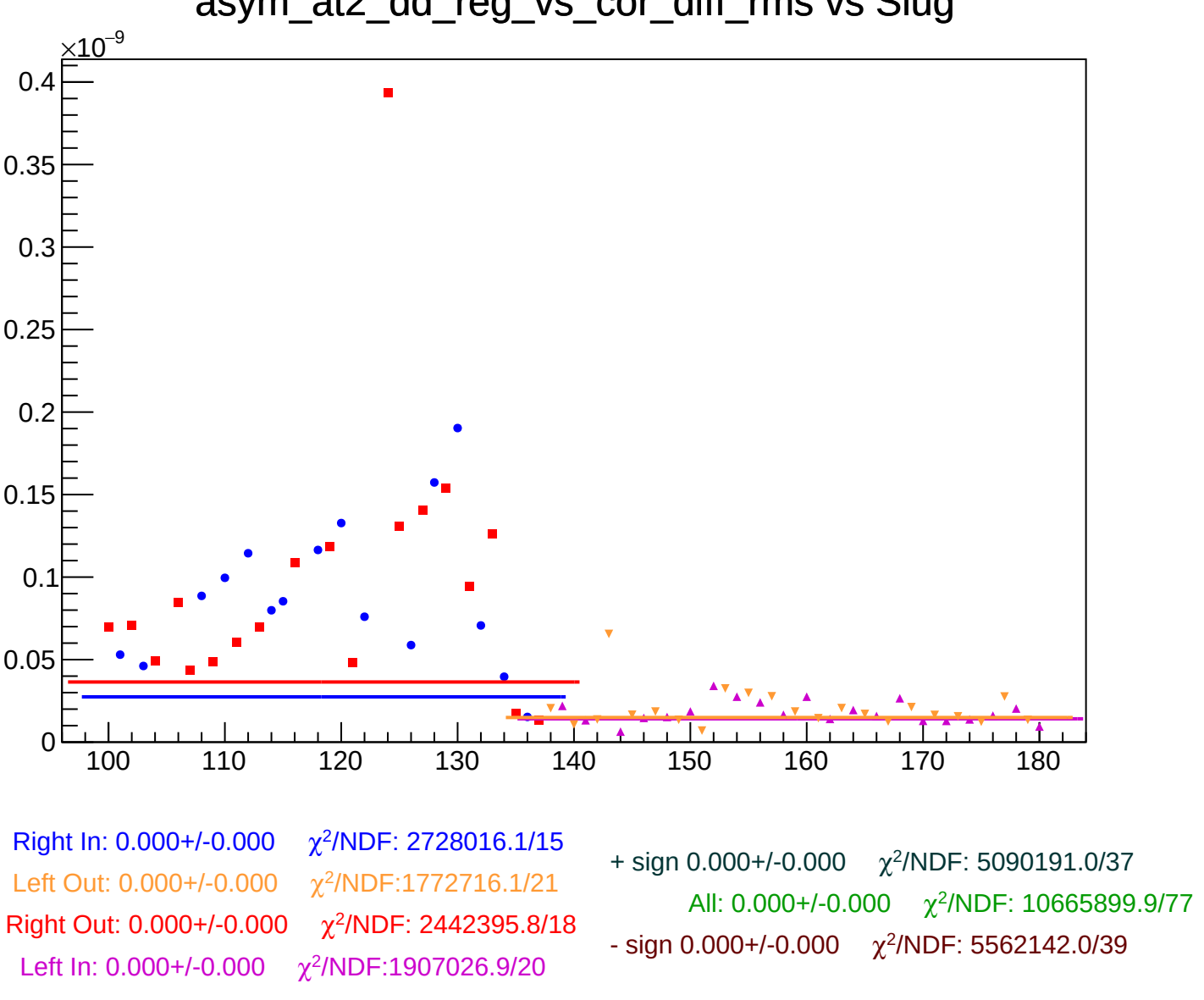
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.4/20

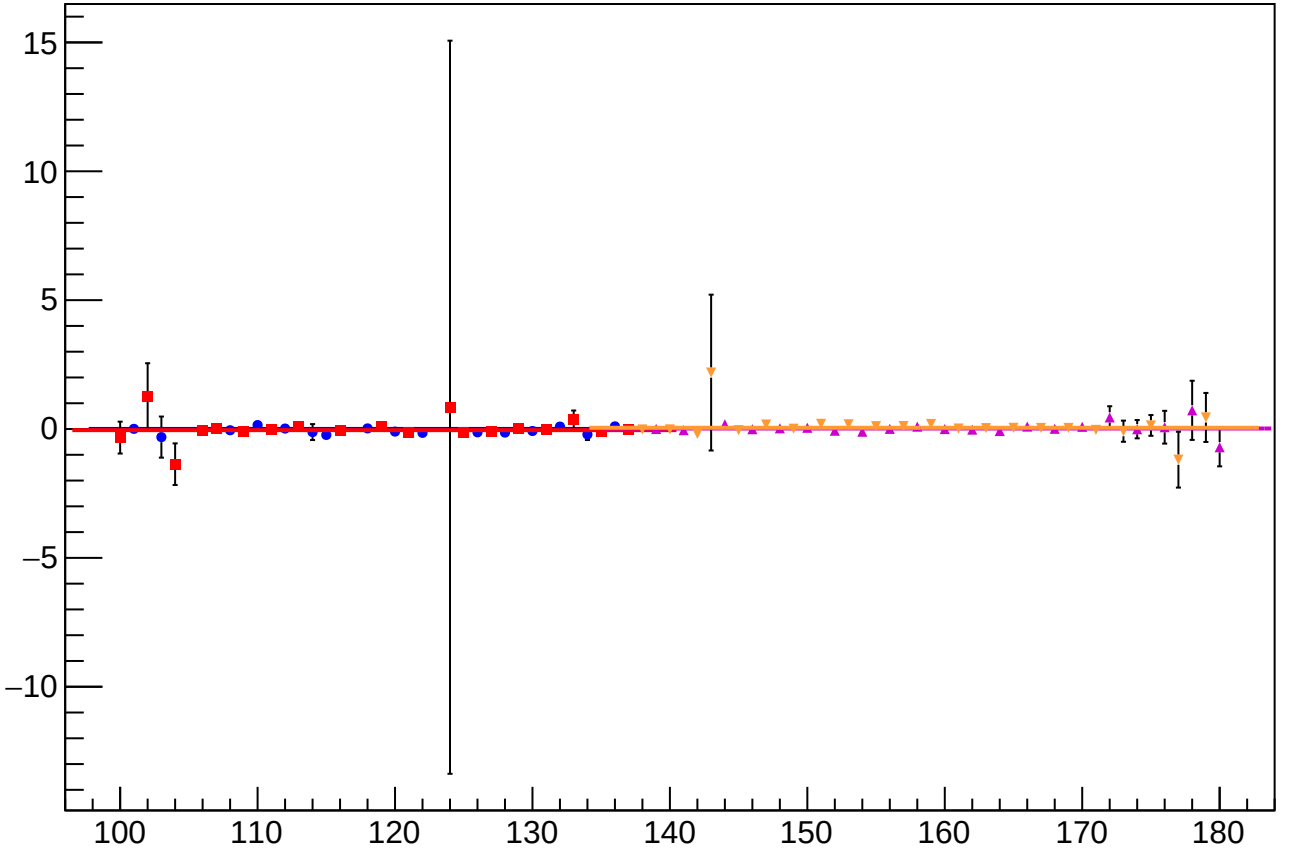
+ sign -0.000+/-0.000 χ^2/NDF: 35.9/37

All: -0.000+/-0.000 χ^2/NDF: 80.4/77

- sign 0.000+/-0.000 χ^2/NDF: 40.5/39


asym_at2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2728016.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1772716.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 2442395.8/18
Left In: 0.000+/-0.000 χ²/NDF:1907026.9/20
+ sign 0.000+/-0.000 χ²/NDF: 5090191.0/37
All: 0.000+/-0.000 χ²/NDF: 10665899.9/77
- sign 0.000+/-0.000 χ²/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:21.4/21

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

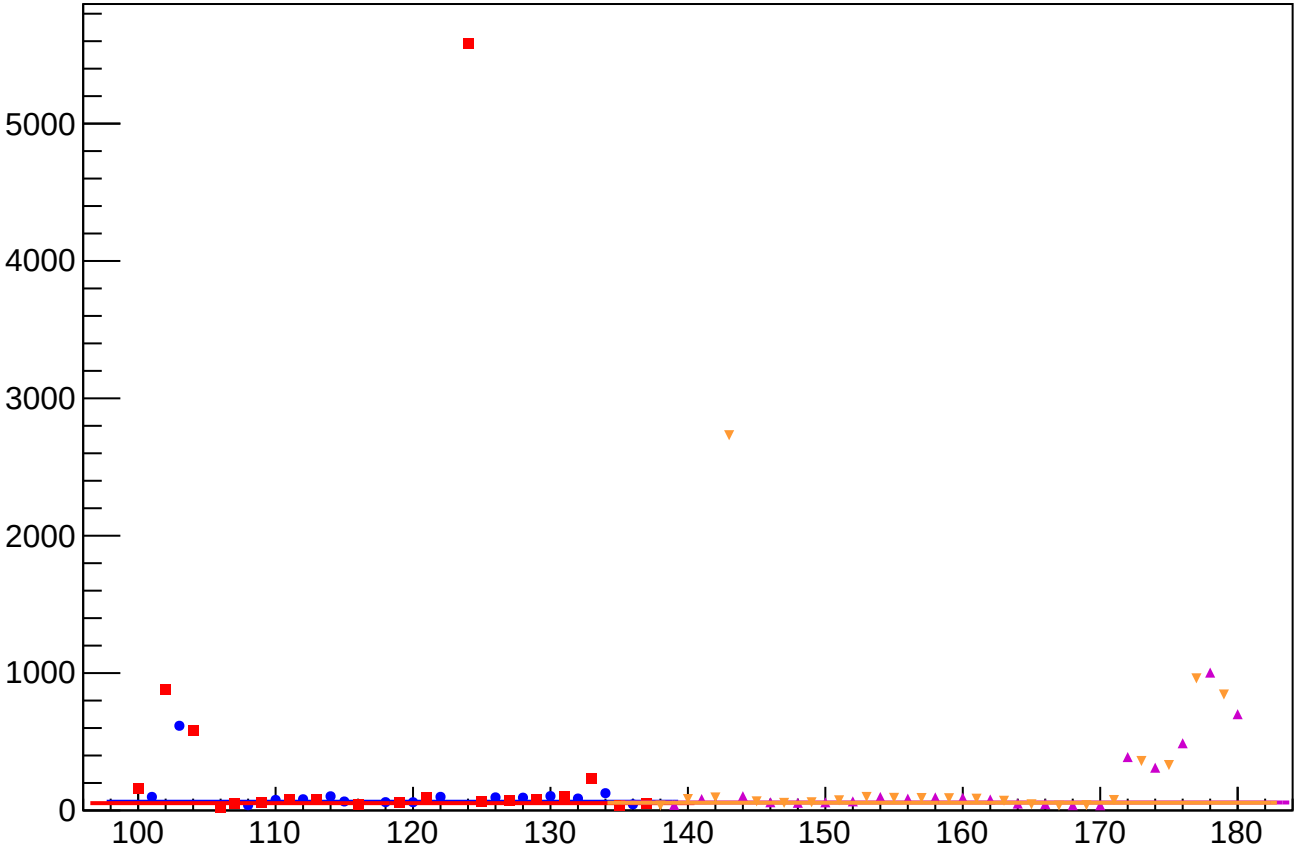
Left In: 0.020+/-0.017 χ^2/NDF:14.1/20

+ sign 0.036+/-0.014 χ^2/NDF: 36.7/37

All: 0.017+/-0.010 χ^2/NDF: 71.2/77

- 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: 56.344+/-0.012 χ^2/NDF:9349588.5/21

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

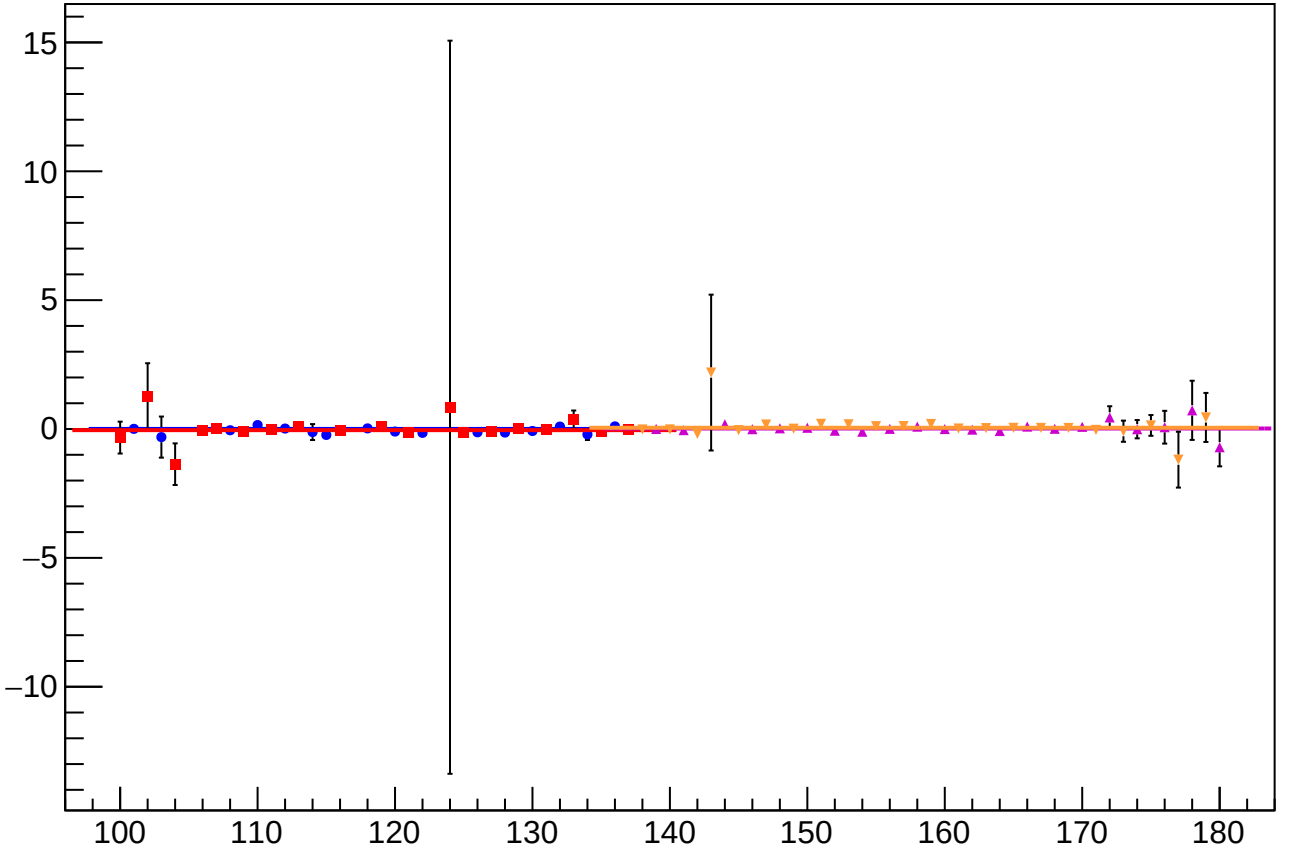
Left In: 57.964+/-0.012 χ^2/NDF:8647942.4/20

+ sign 58.348+/-0.010 χ^2/NDF: 11892894.8/37

All: 57.365+/-0.007 χ^2/NDF: 24554379.9/77

- sign 56.429+/-0.010 χ^2/NDF: 12643420.6/39

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

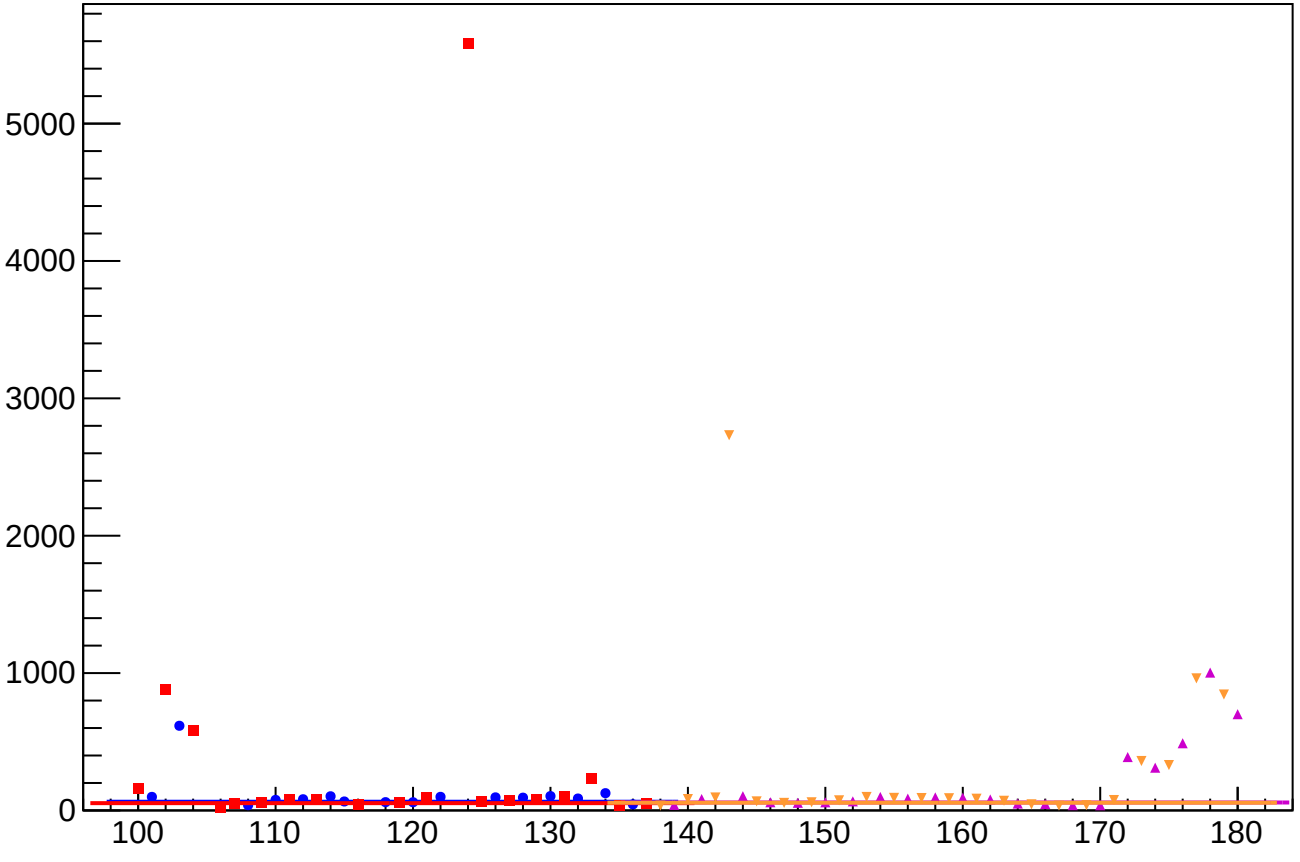
Left In: 0.020+/-0.017 χ^2/NDF:14.1/20

+ sign 0.036+/-0.014 χ^2/NDF: 36.7/37

All: 0.017+/-0.010 χ^2/NDF: 71.2/77

- 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: 56.344+/-0.012 χ^2/NDF:9349588.5/21

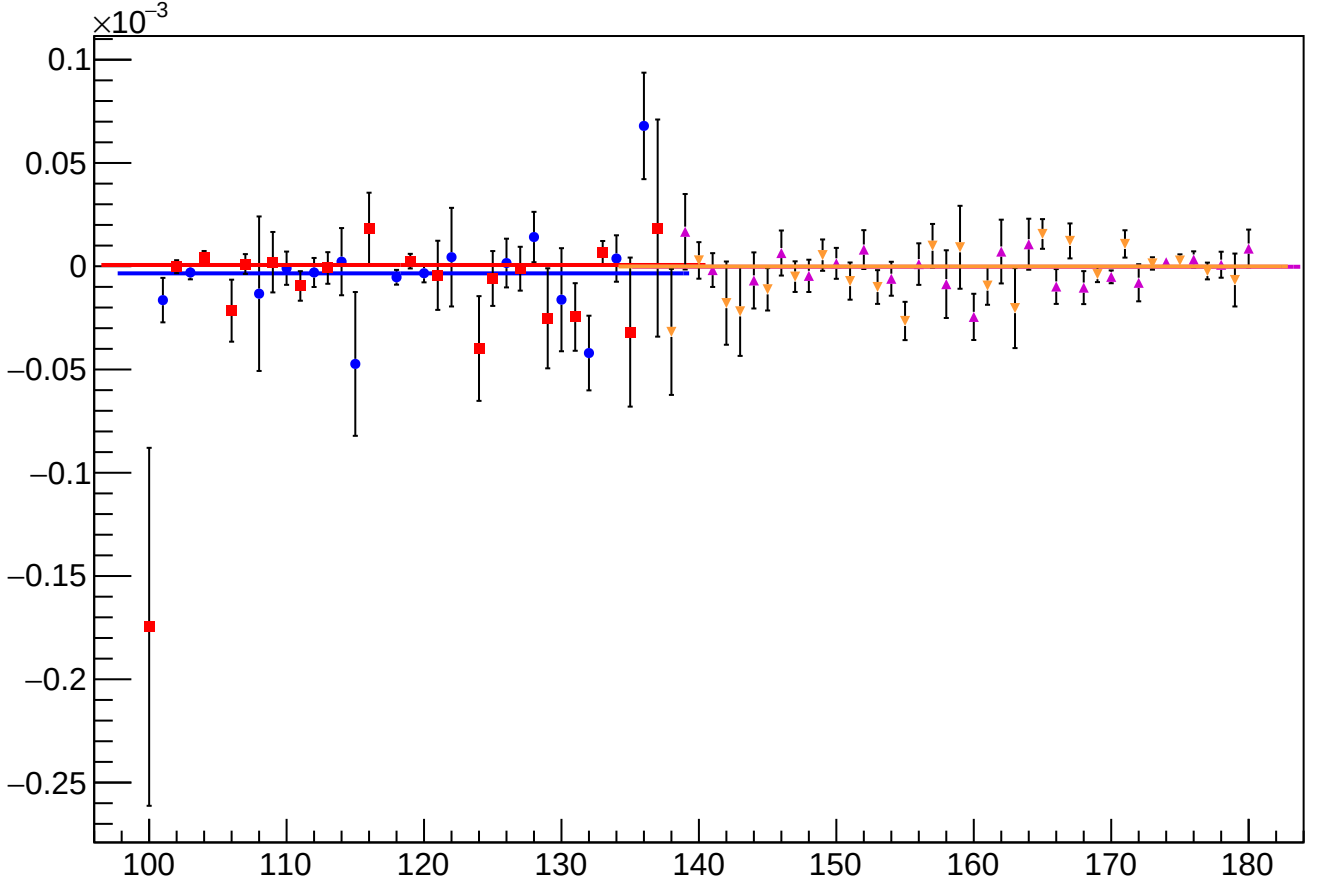
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.964+/-0.012 χ^2/NDF:8647942.4/20

+ sign 58.348+/-0.010 χ^2/NDF: 11892894.8/37

All: 57.365+/-0.007 χ^2/NDF: 24554379.9/77

- sign 56.429+/-0.010 χ^2/NDF: 12643420.6/39



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.8/21

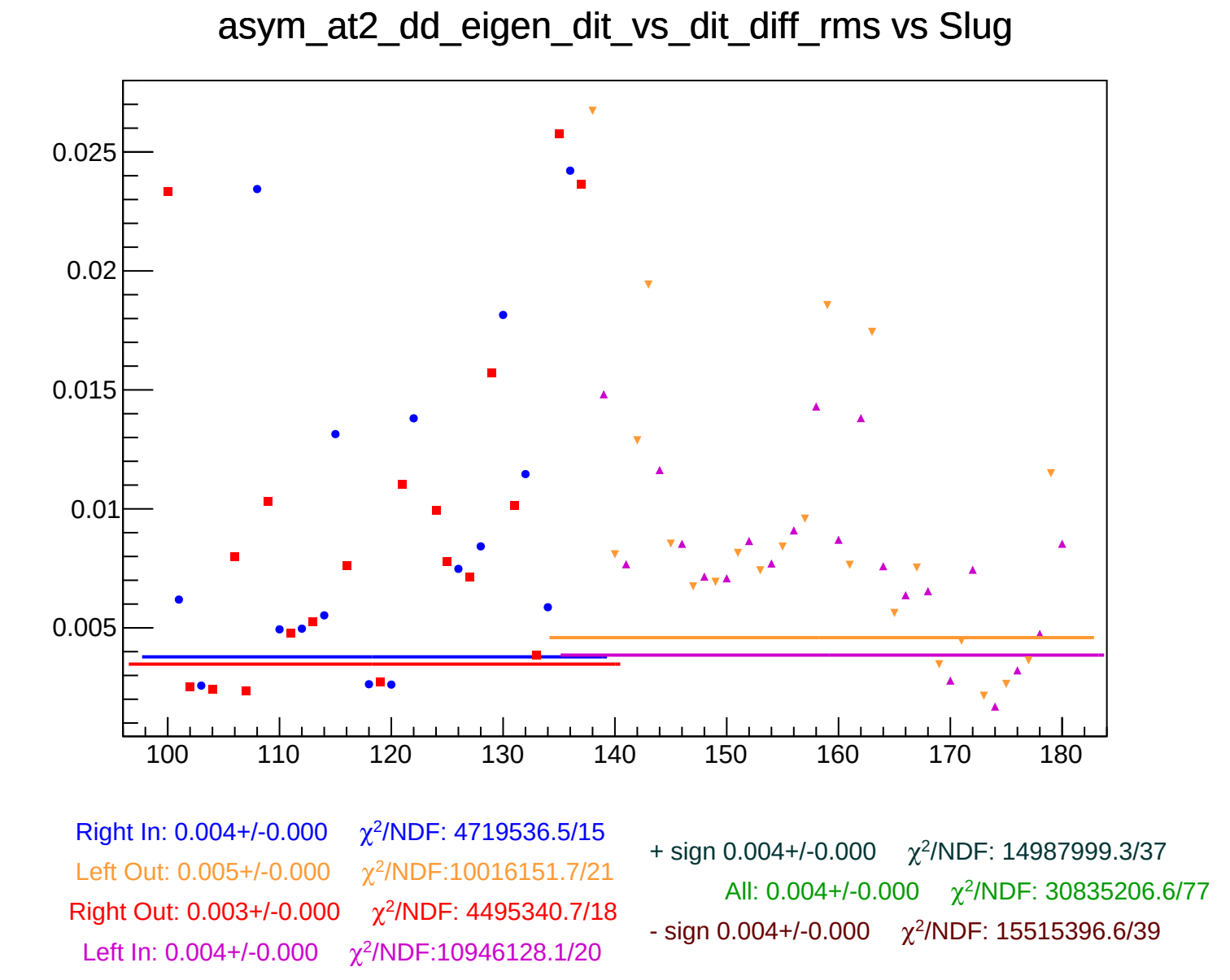
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/20

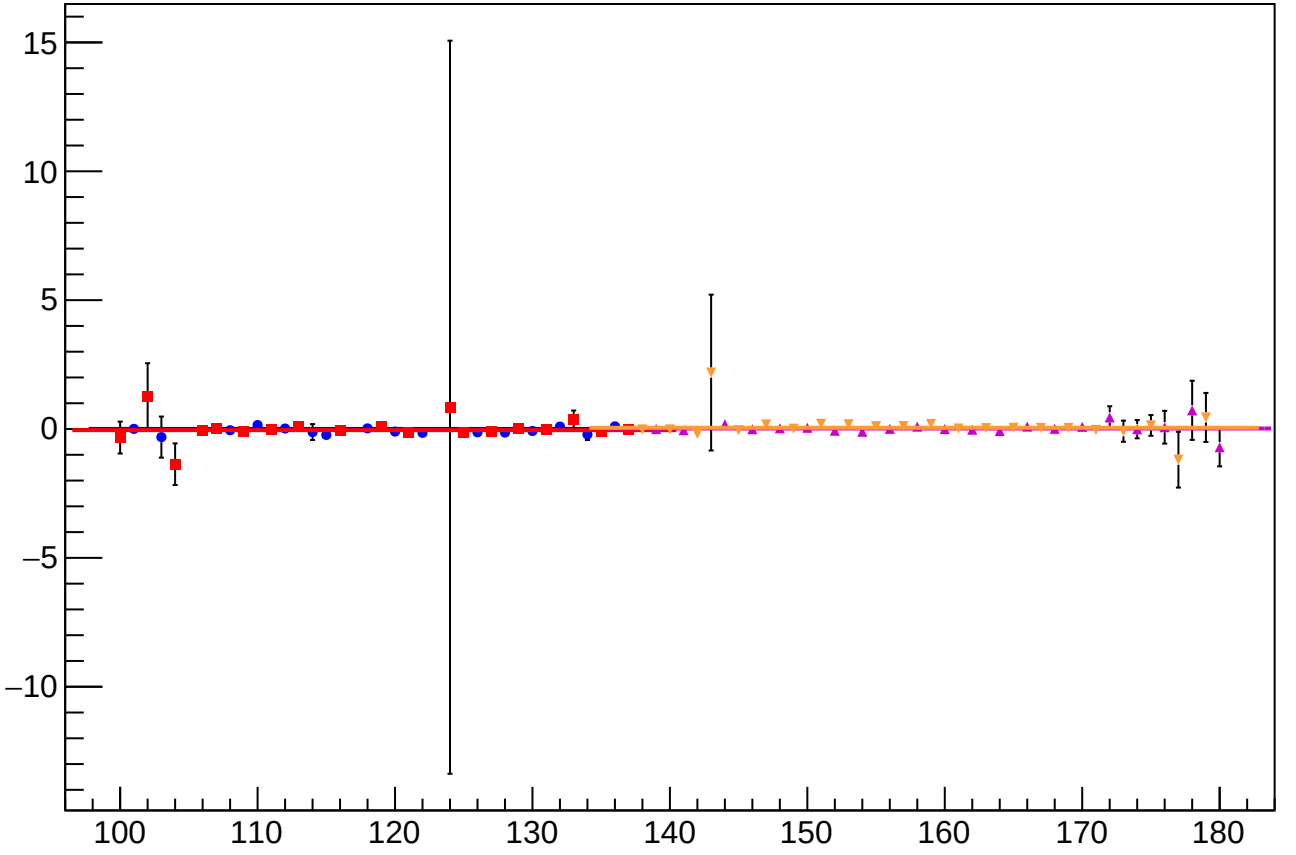
+ sign -0.000+/-0.000 χ^2/NDF: 51.8/37

All: -0.000+/-0.000 χ^2/NDF: 90.4/77

- 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:10016151.7/21
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: 14987999.3/37
All: 0.004+/-0.000 χ²/NDF: 30835206.6/77
- sign 0.004+/-0.000 χ²/NDF: 15515396.6/39

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

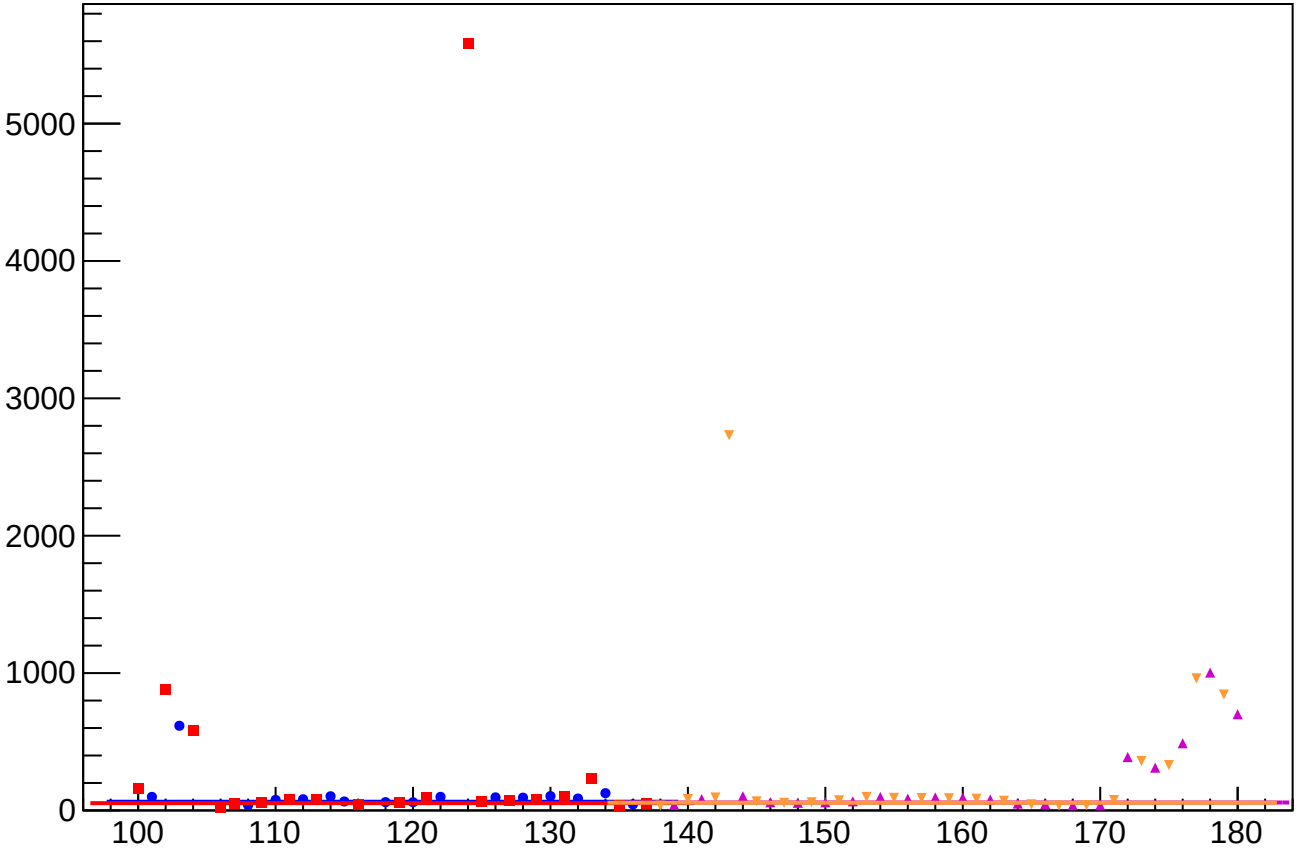
Left In: 0.020+/-0.017 χ^2/NDF:14.1/20

+ sign 0.036+/-0.014 χ^2/NDF: 36.7/37

All: 0.017+/-0.010 χ^2/NDF: 71.2/77

- 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: 56.343+/-0.012 χ^2/NDF:9349318.1/21

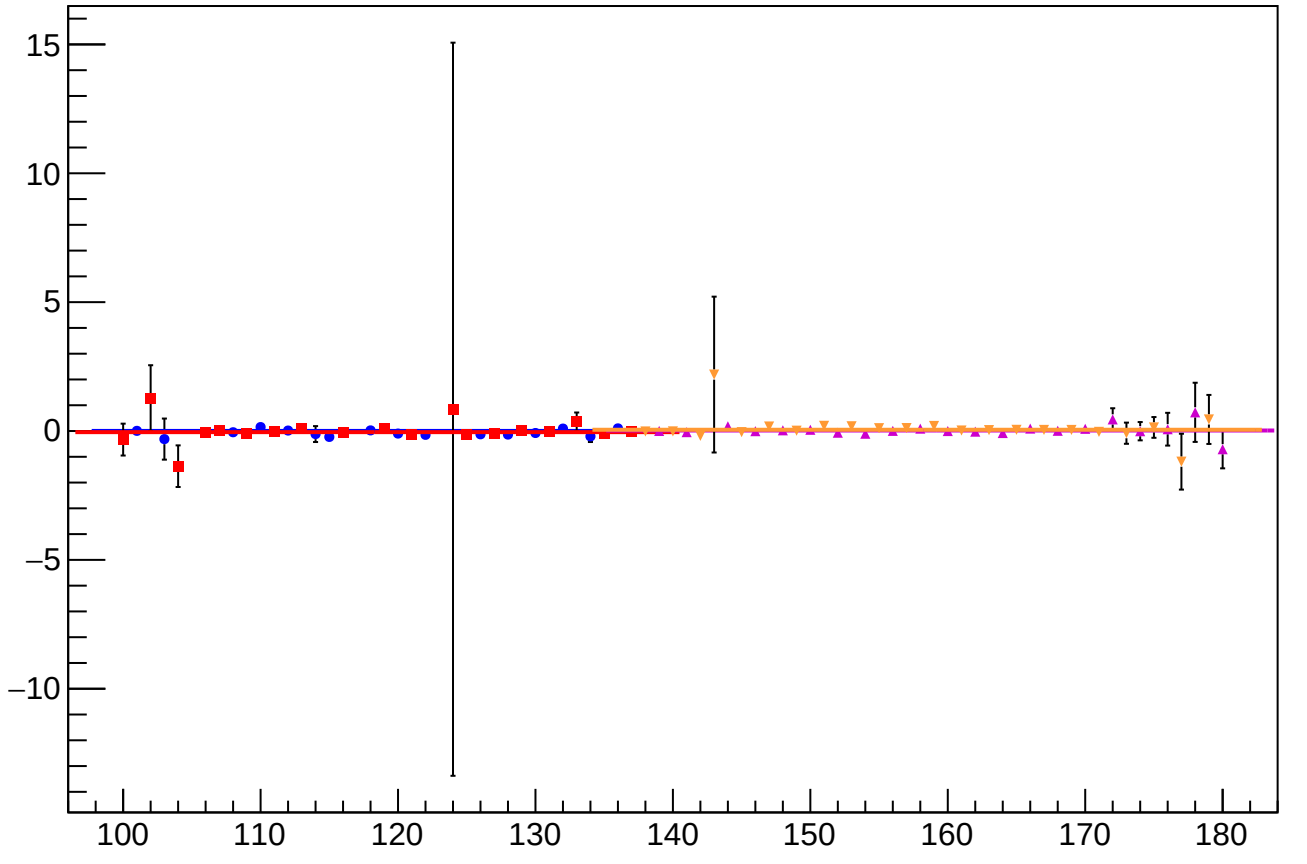
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.966+/-0.012 χ^2/NDF:8647453.7/20

+ sign 58.349+/-0.010 χ^2/NDF: 11891990.7/37

All: 57.366+/-0.007 χ^2/NDF: 24553725.2/77

- 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:21.4/21

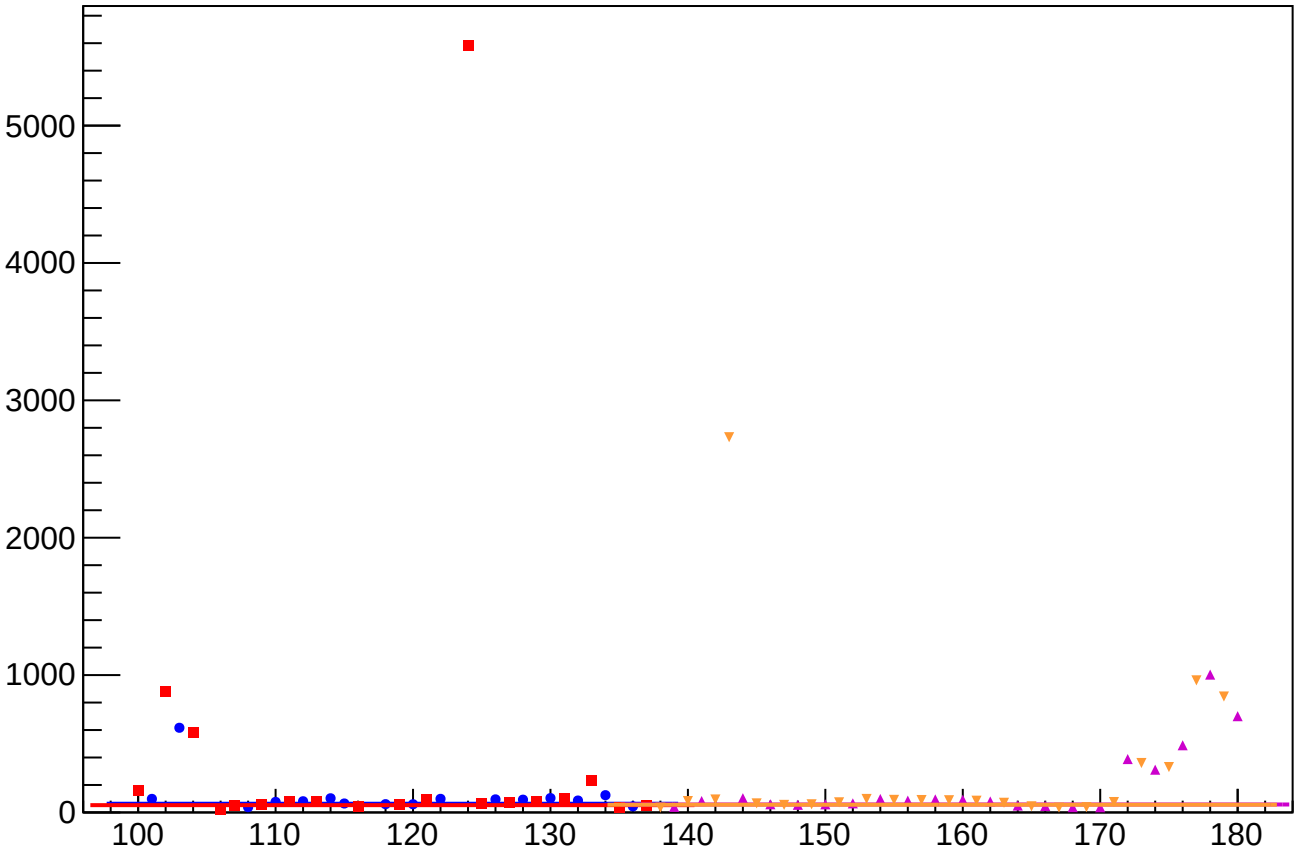
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.020+/-0.017 χ^2/NDF:14.1/20

+ sign 0.036+/-0.014 χ^2/NDF: 36.7/37

All: 0.017+/-0.010 χ^2/NDF: 71.2/77

- 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: 56.343+/-0.012 χ^2/NDF:9349318.1/21

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

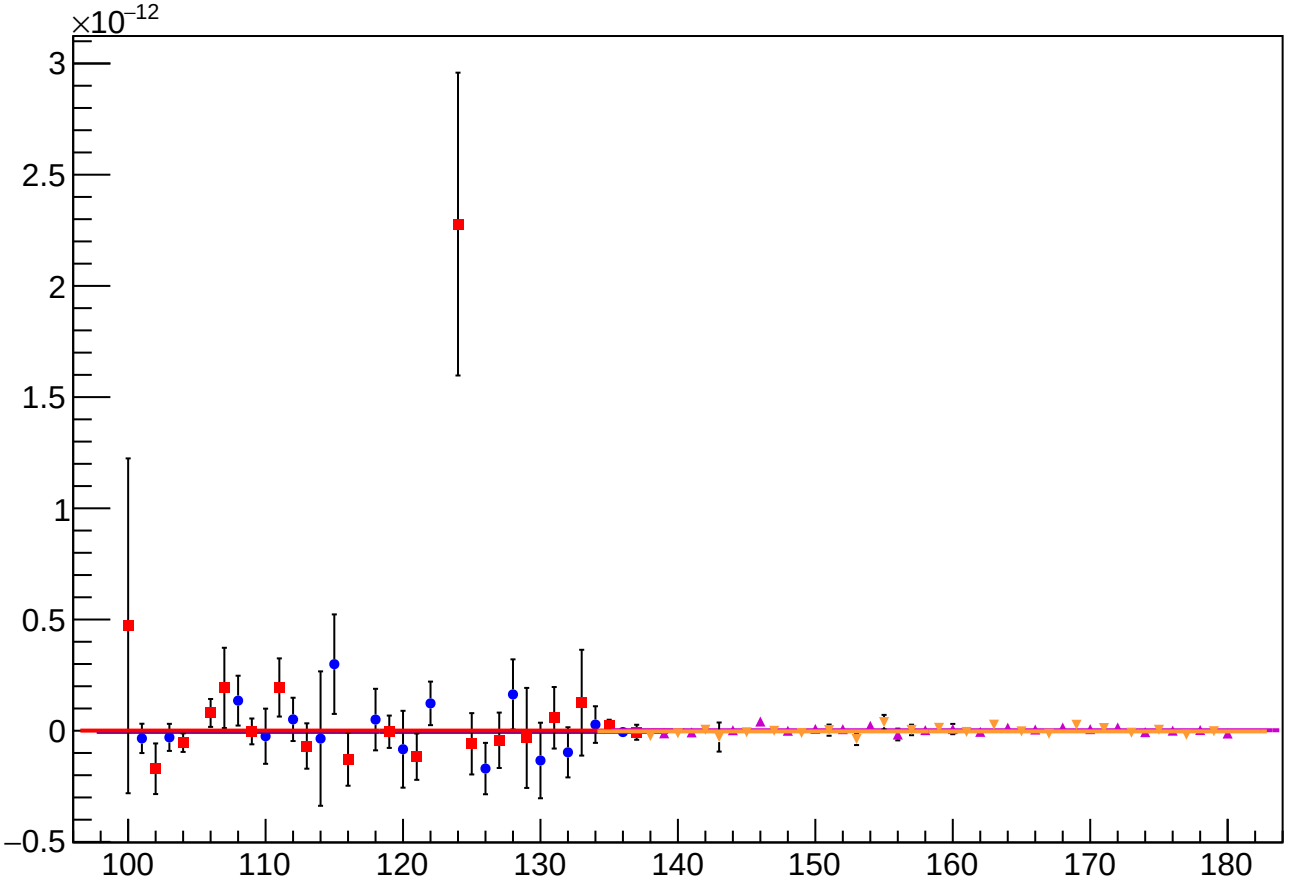
Left In: 57.966+/-0.012 χ^2/NDF:8647453.7/20

+ sign 58.349+/-0.010 χ^2/NDF: 11891990.7/37

All: 57.366+/-0.007 χ^2/NDF: 24553725.2/77

- 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:14.3/21

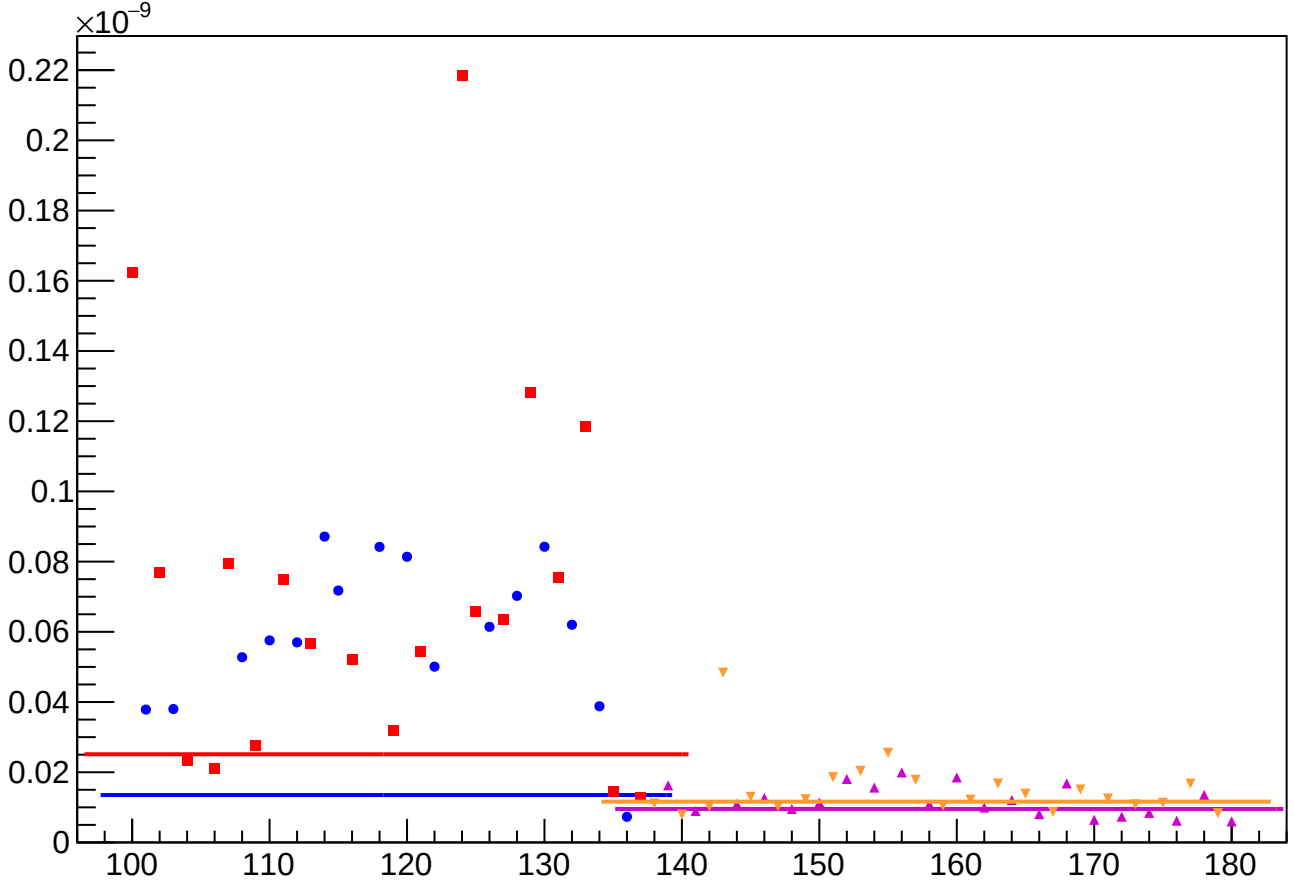
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 25.2/37

All: -0.000+/-0.000 χ^2/NDF: 66.5/77

- 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:2430048.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

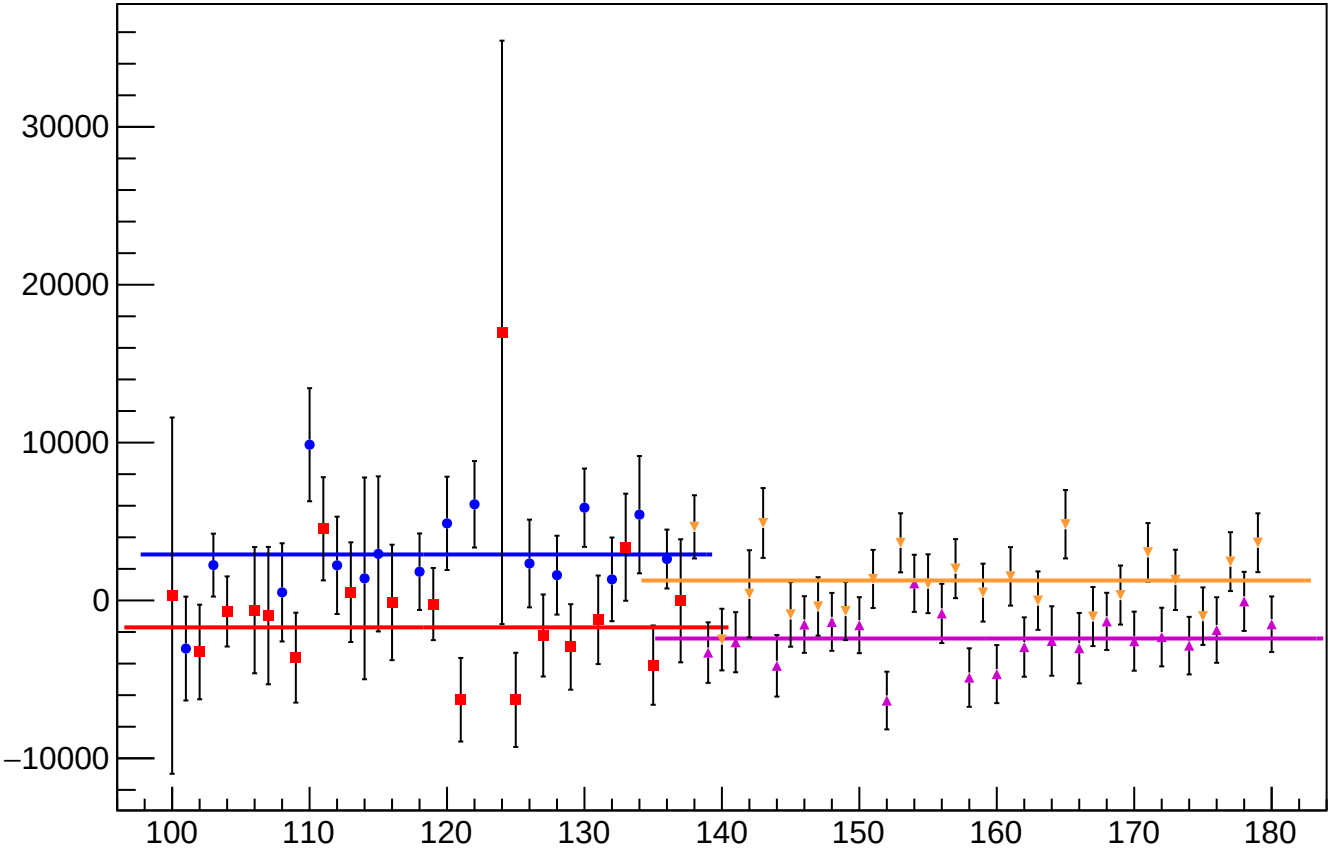
Left In: 0.000+/-0.000 χ^2/NDF:2654720.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 7483477.3/37

All: 0.000+/-0.000 χ^2/NDF: 16056022.3/77

- 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: 1265.250+/-410.492 χ^2/NDF:23.8/21

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

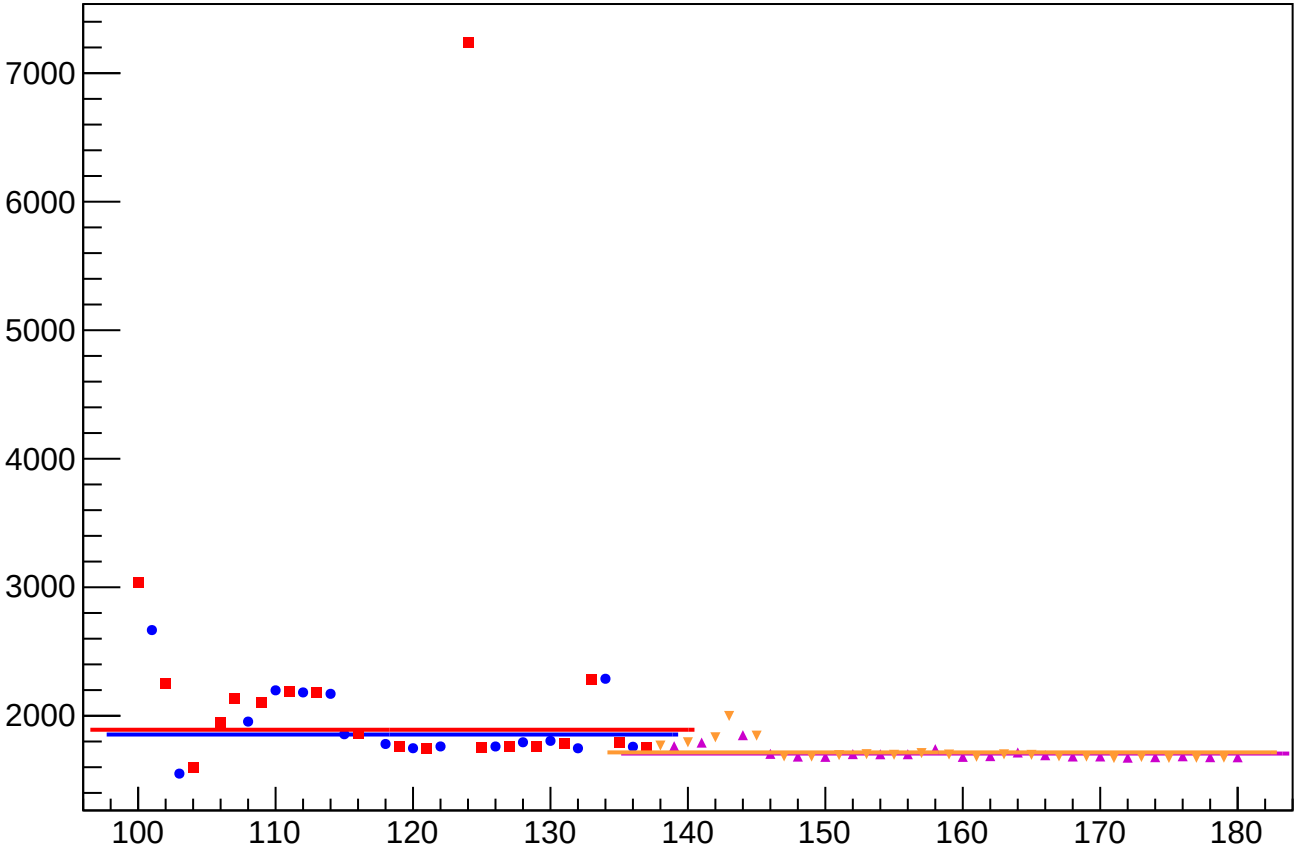
Left In: -2410.518+/-410.876 χ^2/NDF:16.7/20

+ sign 1691.345+/-353.454 χ^2/NDF: 40.4/37

All: -260.690+/-250.553 χ^2/NDF: 134.9/77

- 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: 1715.275+/-0.290 χ^2/NDF:58267.9/21

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

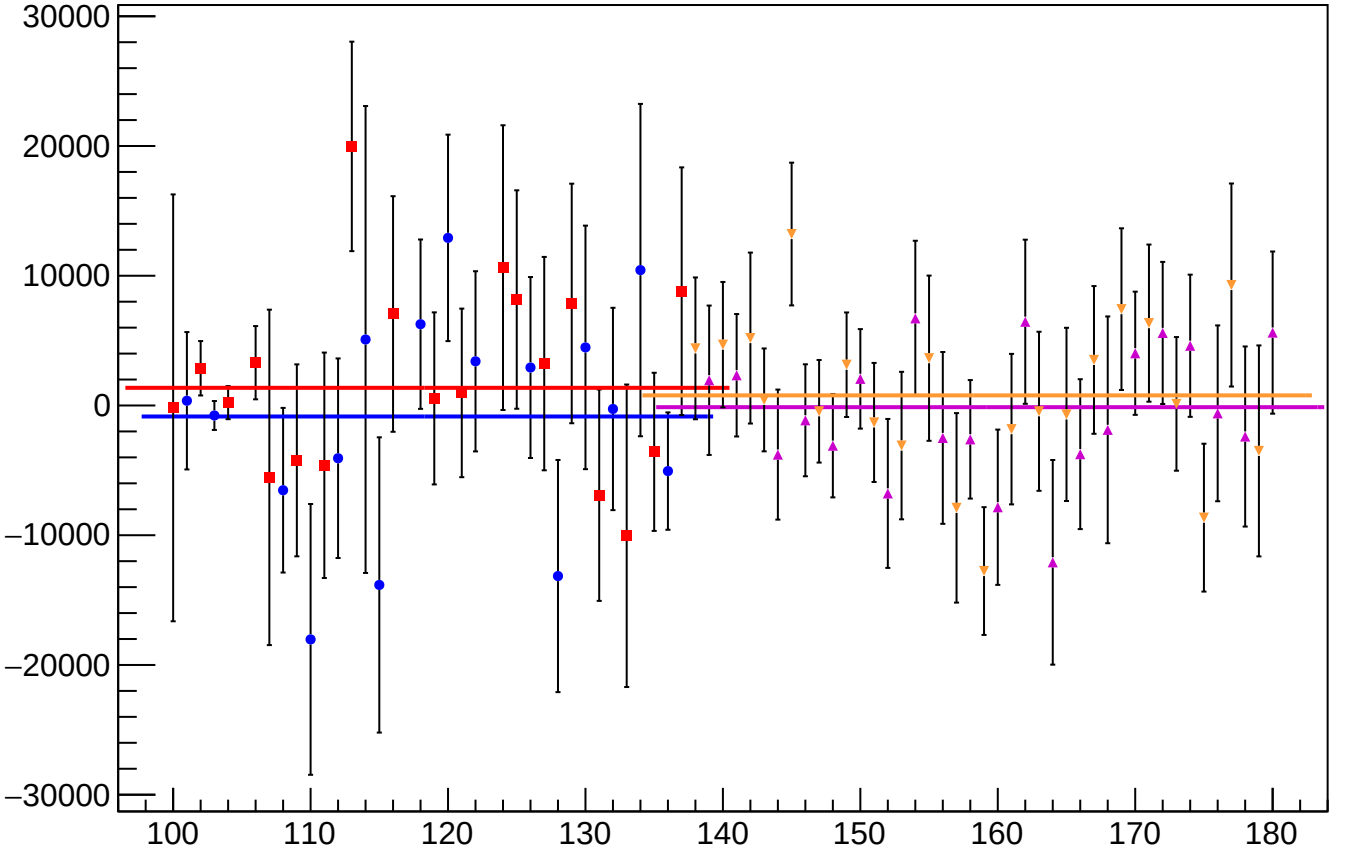
Left In: 1706.209+/-0.291 χ^2/NDF:21605.3/20

+ sign 1751.229+/-0.250 χ^2/NDF: 380925.5/37

All: 1752.190+/-0.177 χ^2/NDF: 869657.1/77

- 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: 780.212+/-1156.823 χ^2/NDF:23.7/21

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

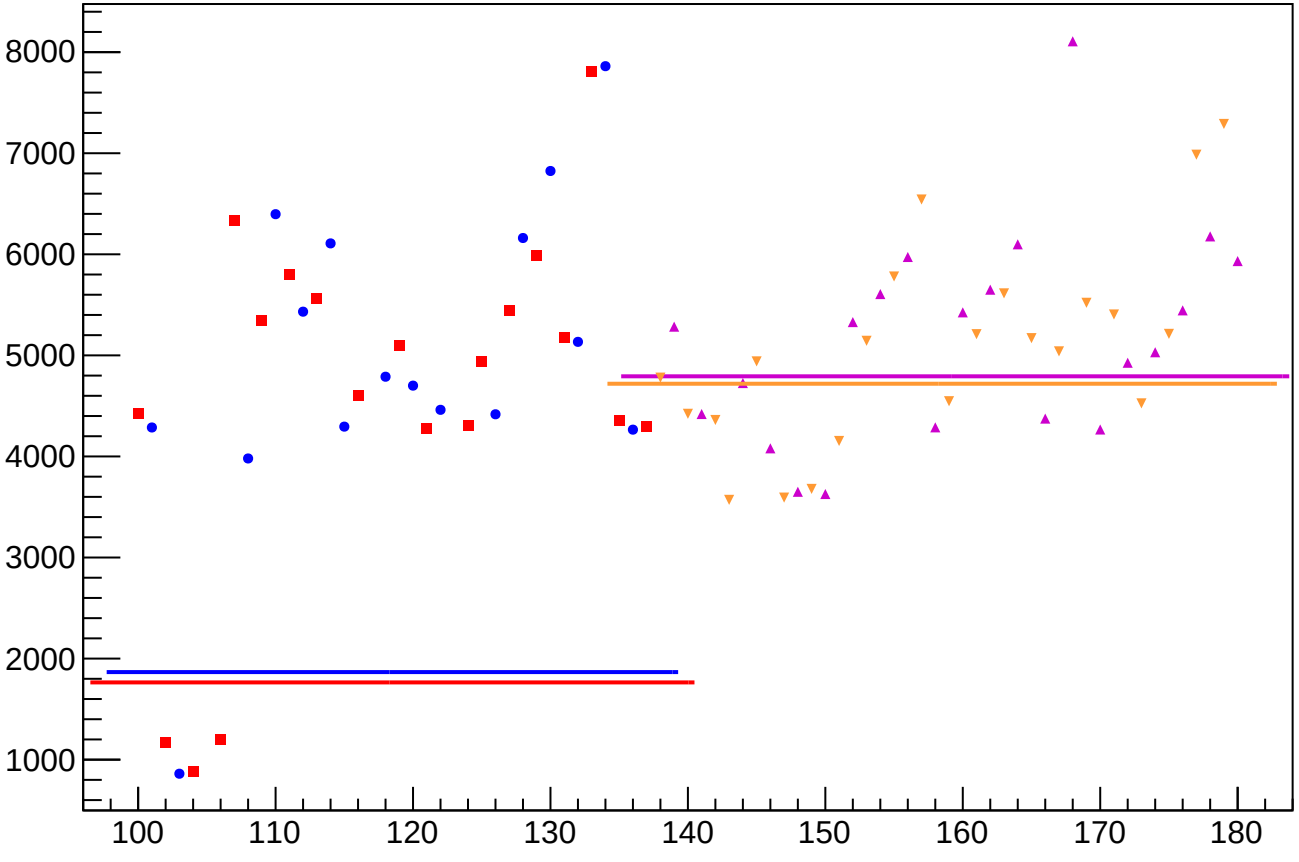
Left In: -130.097+/-1178.678 χ^2/NDF:14.0/20

+ sign -181.585+/-740.081 χ^2/NDF: 38.7/37

All: 320.471+/-517.257 χ^2/NDF: 68.6/77

- 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: 4719.335+/-0.818 χ^2/NDF:1221391.6/21

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

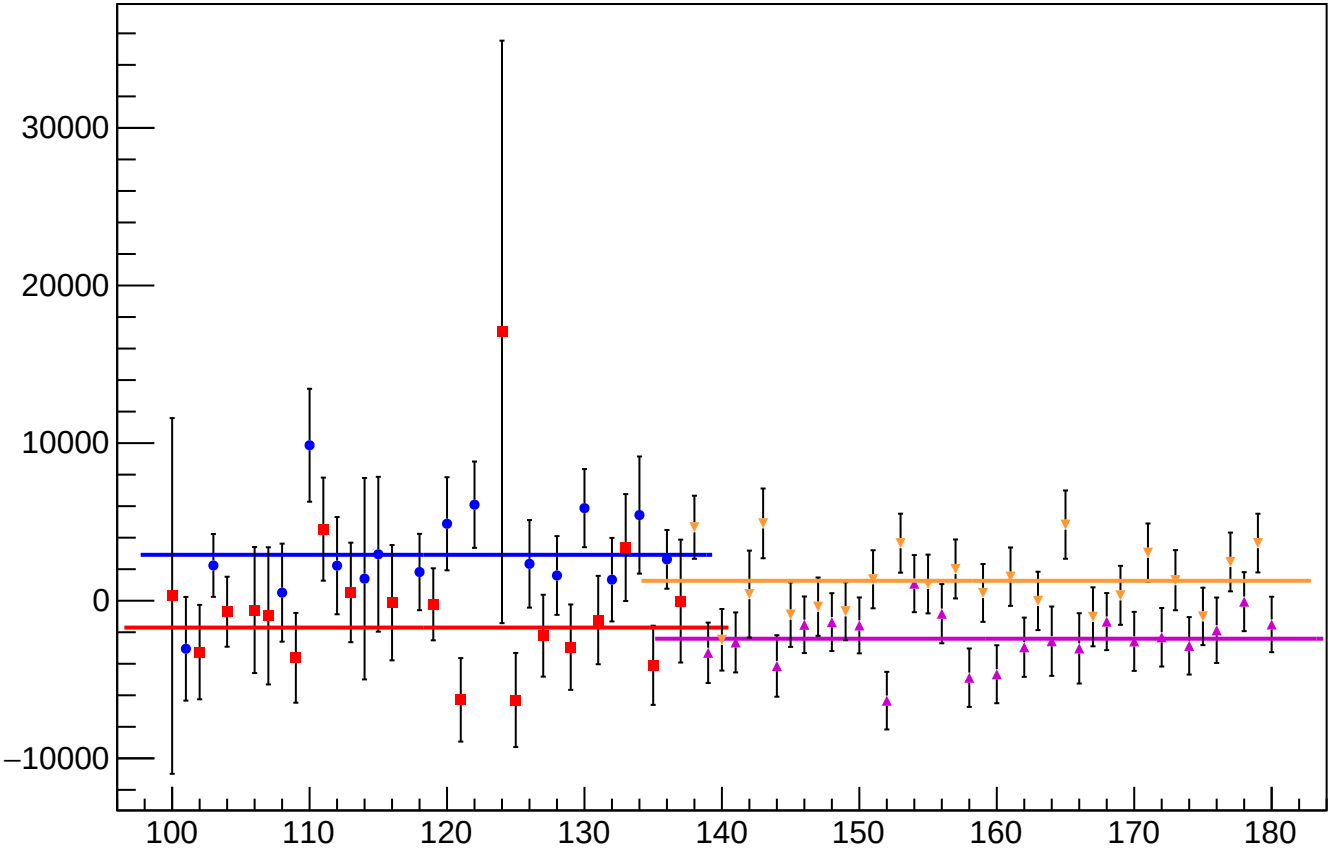
Left In: 4792.866+/-0.833 χ^2/NDF:1179525.8/20

\+ sign 3034.064+/-0.523 χ^2/NDF: 15256531.4/37

All: 2967.813+/-0.366 χ^2/NDF: 31135141.0/7

\- sign 2904.544+/-0.511 χ^2/NDF: 15847276.7/39

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1265.156+/-410.492 χ^2/NDF:23.8/21

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

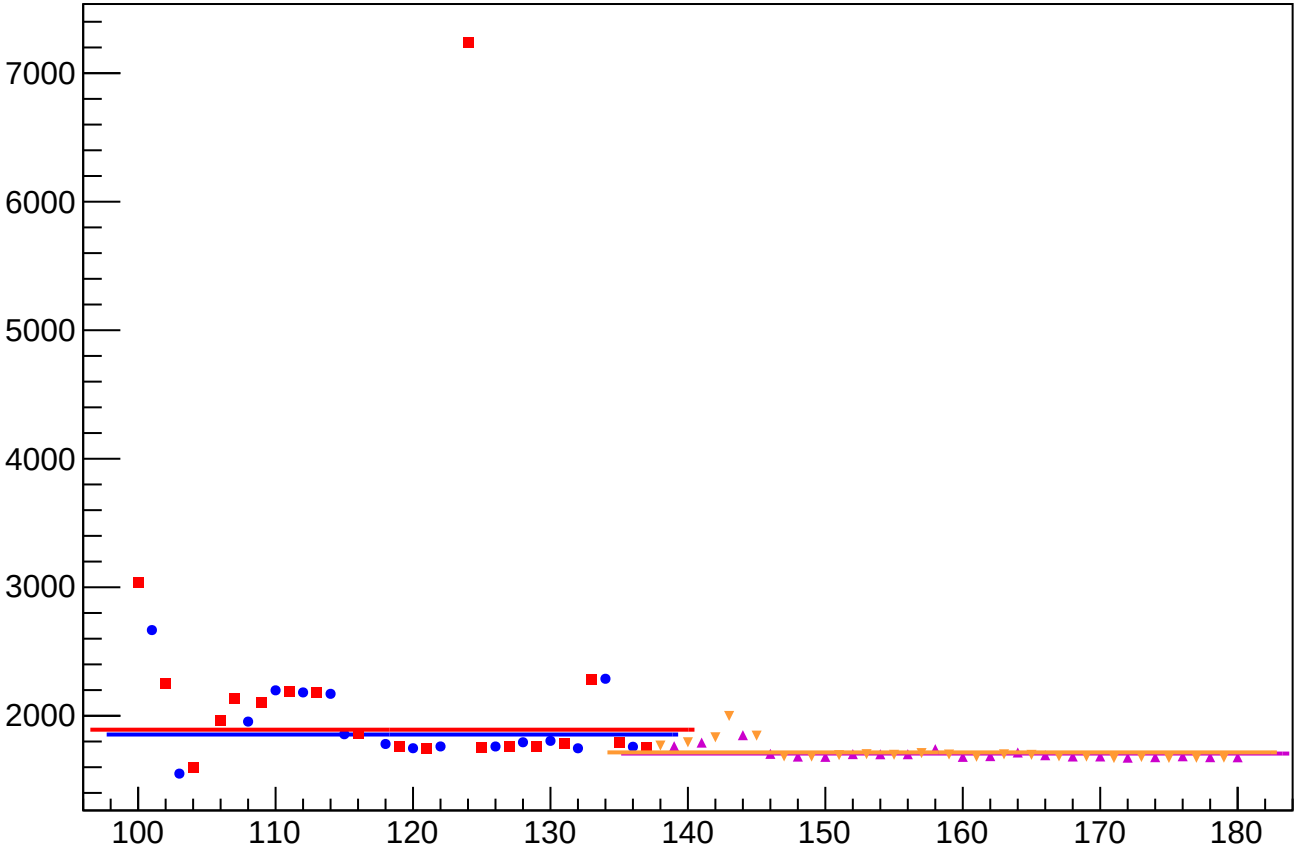
Left In: -2410.489+/-410.876 χ^2/NDF:16.7/20

+ sign 1691.302+/-353.454 χ^2/NDF: 40.4/37

All: -260.527+/-250.553 χ^2/NDF: 134.9/77

- 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: 1715.275+/-0.290 χ^2/NDF:58267.9/21

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

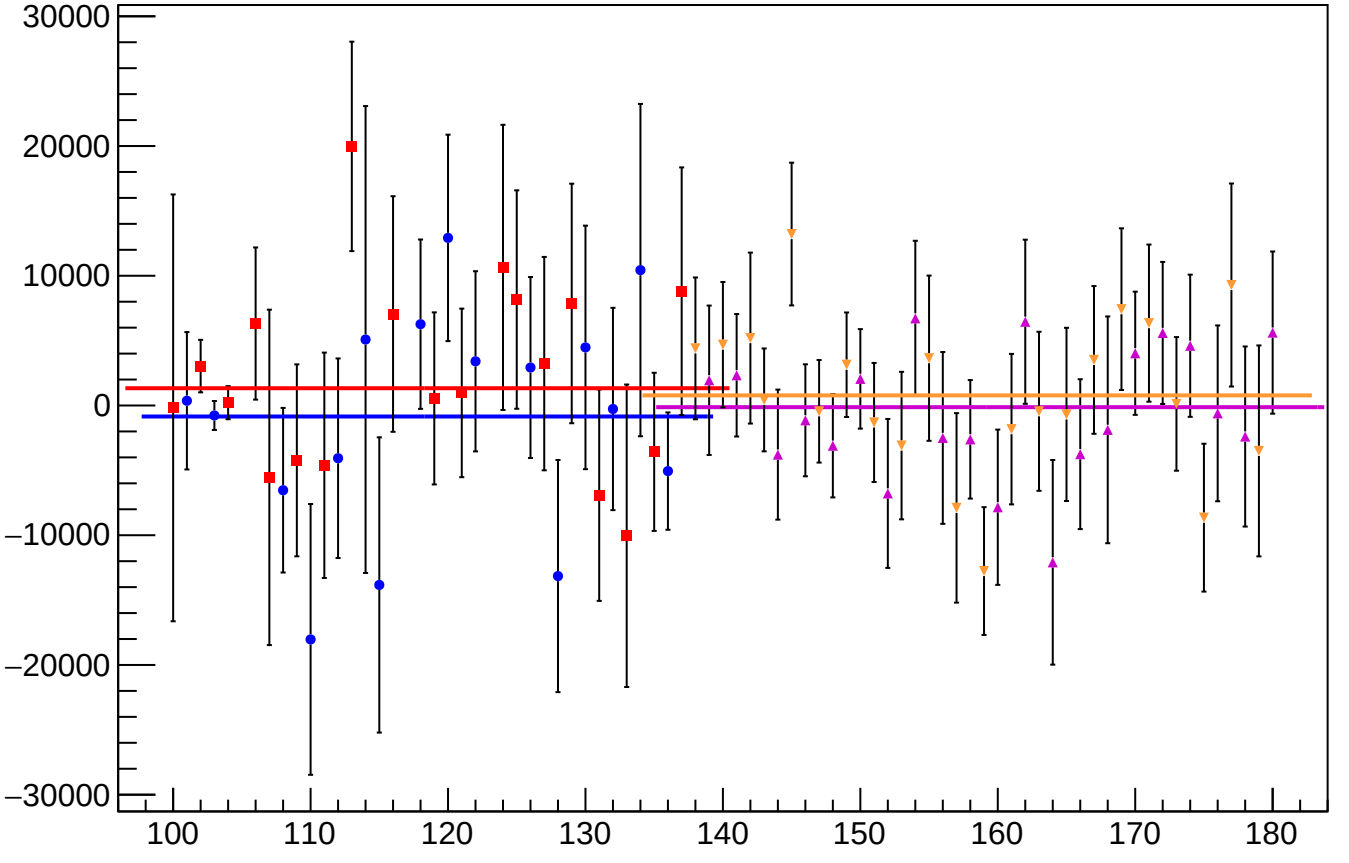
Left In: 1706.209+/-0.291 χ^2/NDF:21605.3/20

+ sign 1751.229+/-0.250 χ^2/NDF: 380925.4/37

All: 1752.240+/-0.177 χ^2/NDF: 870377.2/77

- 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: 780.202+/-1156.821 χ^2/NDF:23.7/21

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

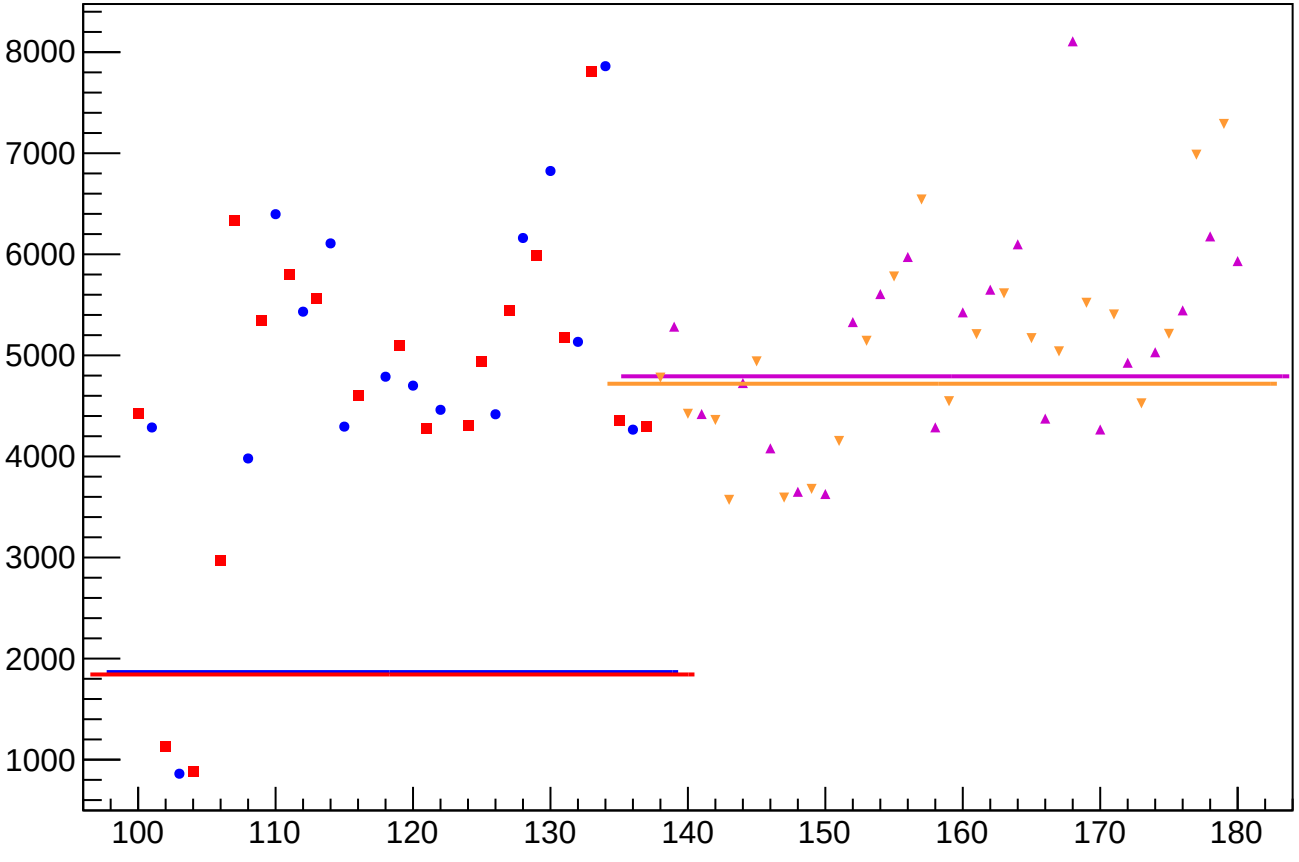
Left In: -130.140+/-1178.678 χ^2/NDF:14.0/20

+ sign -181.352+/-740.057 χ^2/NDF: 38.7/37

All: 288.717+/-522.851 χ^2/NDF: 68.8/77

- 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: 4719.329+/-0.818 χ^2/NDF:1221407.7/21

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

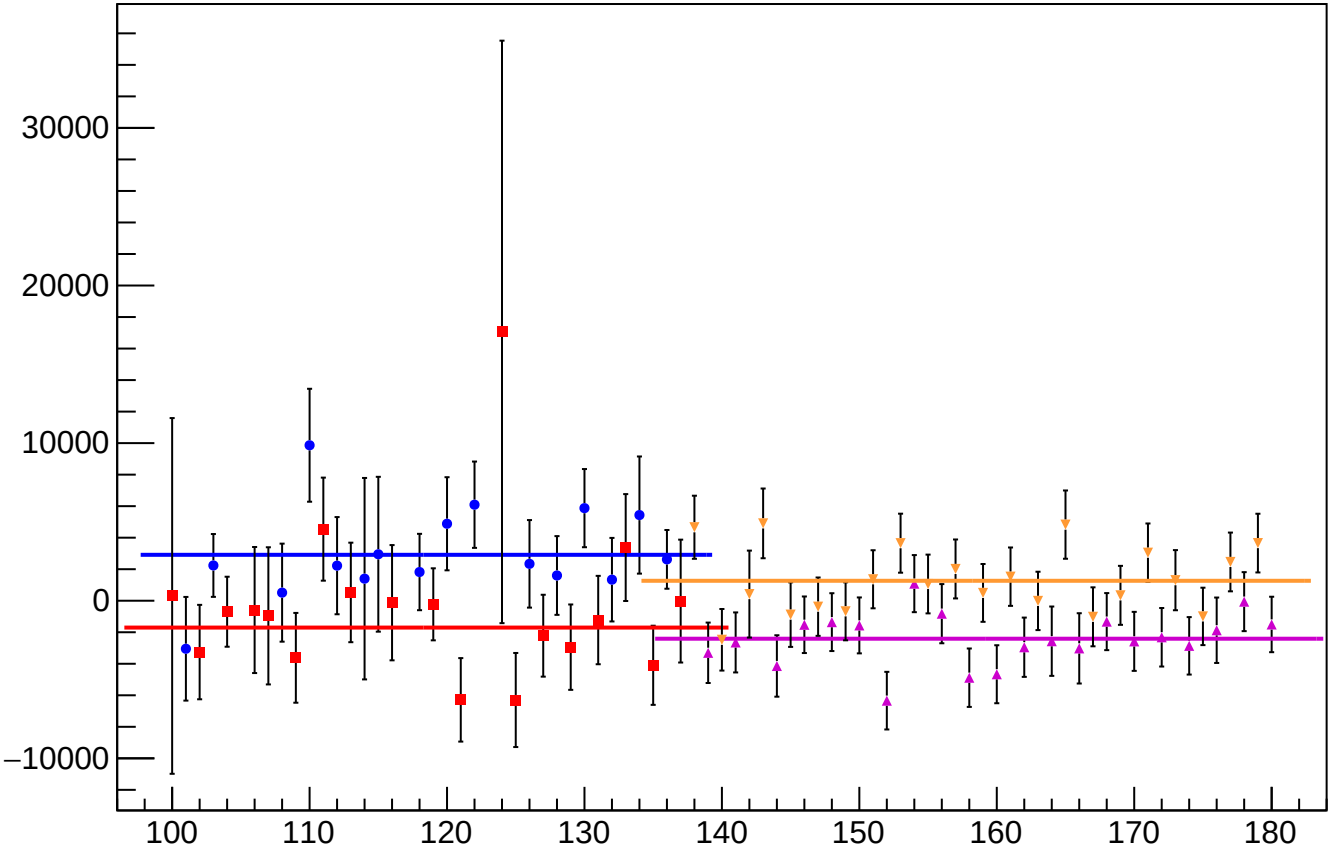
Left In: 4792.864+/-0.833 χ^2/NDF:1179540.0/20

+ sign 3033.896+/-0.523 χ^2/NDF: 15258048.6/37

All: 3017.848+/-0.370 χ^2/NDF: 30503928.9/7

- 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: 1265.156+/-410.492 χ^2/NDF:23.8/21

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

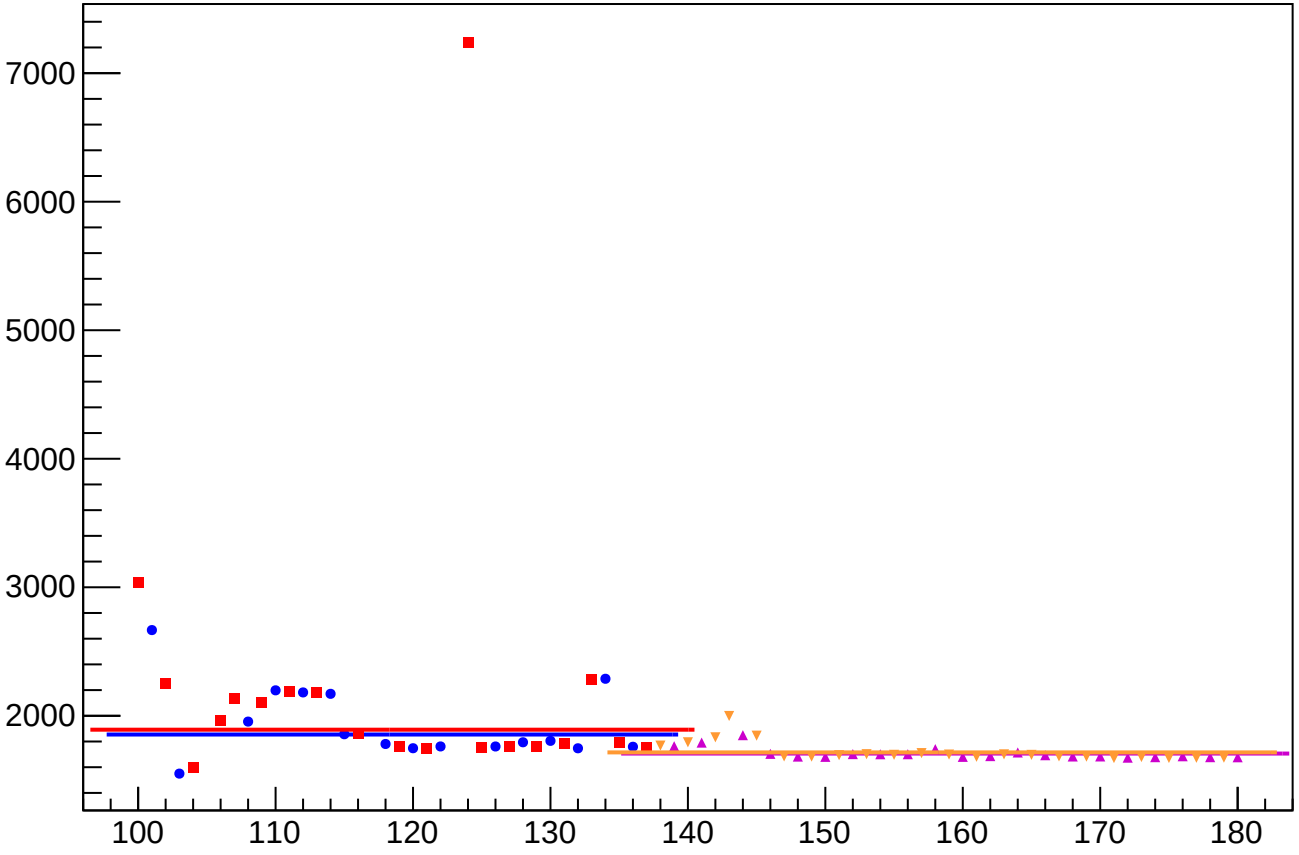
Left In: -2410.489+/-410.876 χ^2/NDF:16.7/20

+ sign 1691.302+/-353.454 χ^2/NDF: 40.4/37

All: -260.527+/-250.553 χ^2/NDF: 134.9/77

- 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: 1715.275+/-0.290 χ^2/NDF:58267.9/21

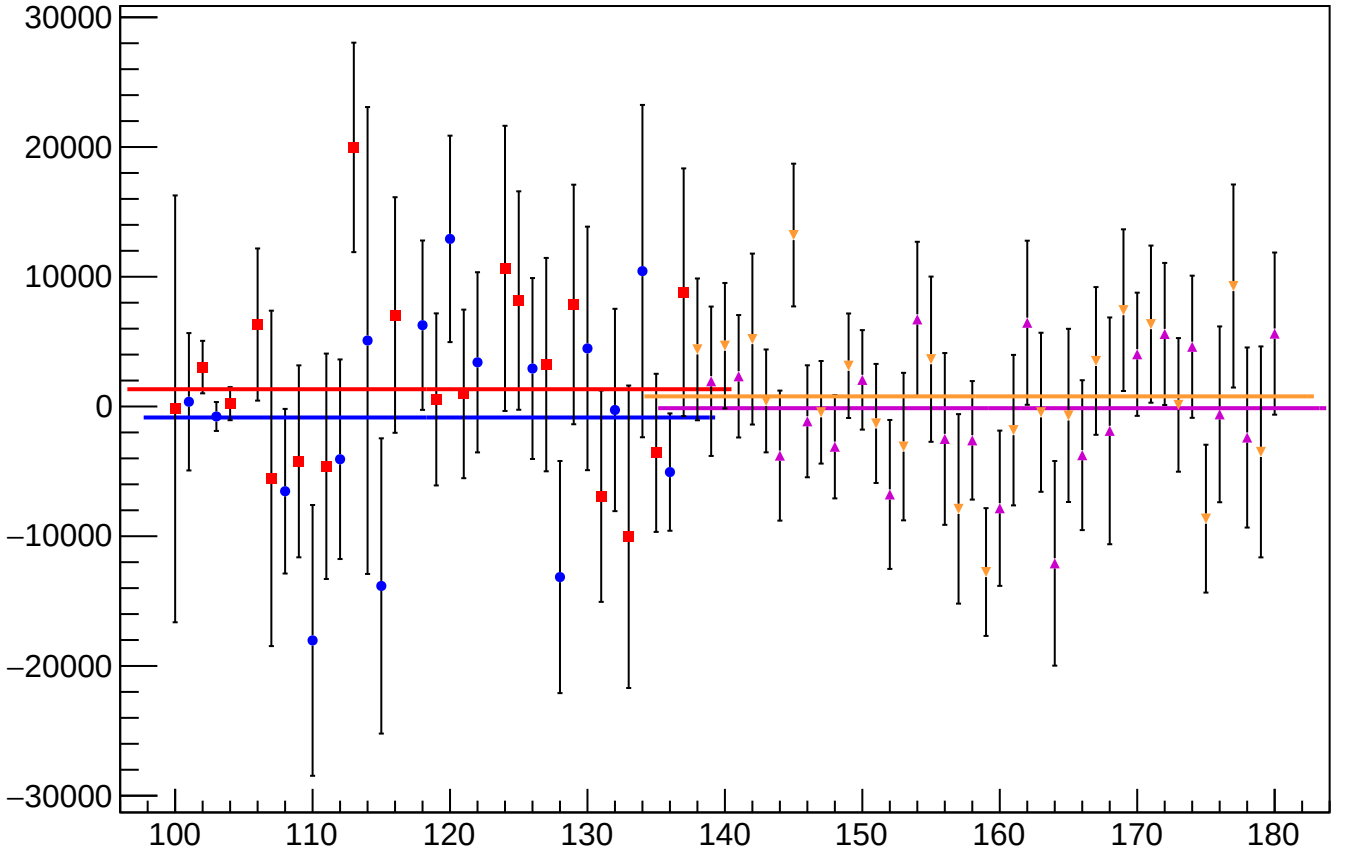
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1706.209+/-0.291 χ^2/NDF:21605.3/20

+ sign 1751.229+/-0.250 χ^2/NDF: 380925.4/37

All: 1752.240+/-0.177 χ^2/NDF: 870377.2/77

- 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: 780.202+/-1156.821 χ^2/NDF:23.7/21

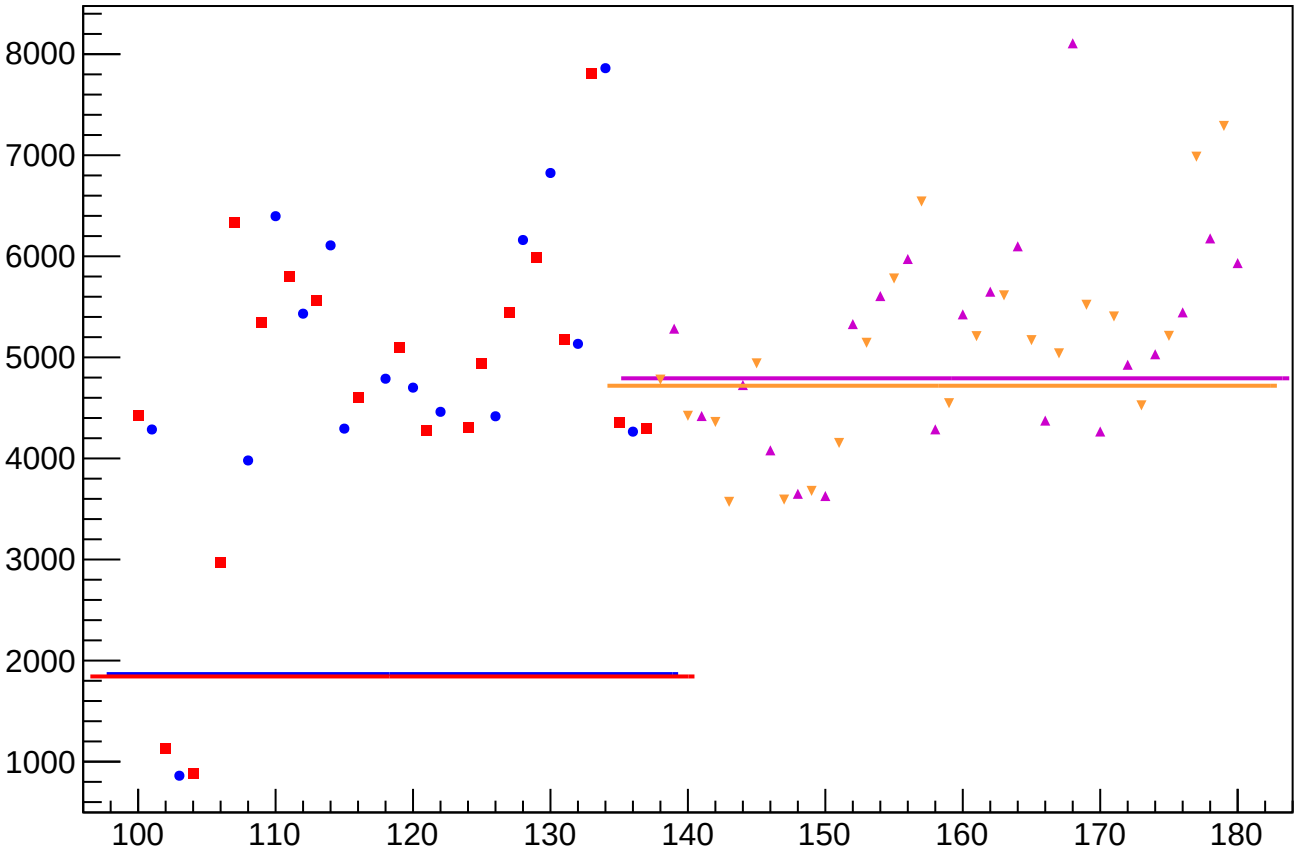
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -130.140+/-1178.678 χ^2/NDF:14.0/20

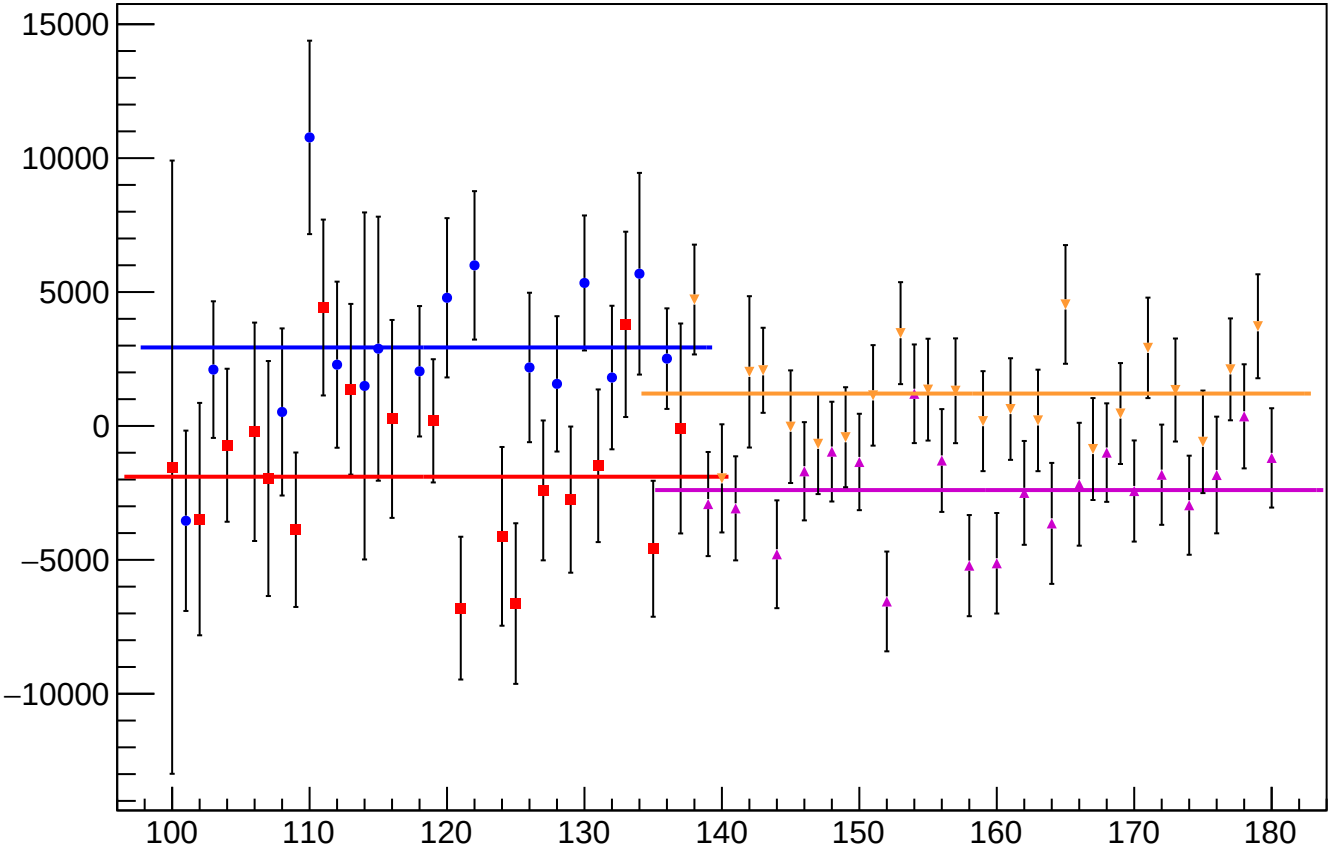
+ sign -181.352+/-740.057 χ^2/NDF: 38.7/37

All: 288.717+/-522.851 χ^2/NDF: 68.8/77

- sign 757.180+/-738.792 χ^2/NDF: 29.3/39


asym_atl1r2_avg_eigen_cor_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 1866.251+/-0.681 χ²/NDF: 6850061.4/15
Left Out: 4719.329+/-0.818 χ²/NDF:1221407.7/21
Right Out: 1842.882+/-0.670 χ²/NDF: 6458456.4/18
Left In: 4792.864+/-0.833 χ²/NDF:1179540.0/20
+ sign 3033.896+/-0.523 χ²/NDF: 15258048.6/37
All: 3017.848+/-0.370 χ²/NDF: 30503928.9/7
- sign 3001.855+/-0.522 χ²/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: 1209.510+/-412.624 χ^2/NDF:17.2/21

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

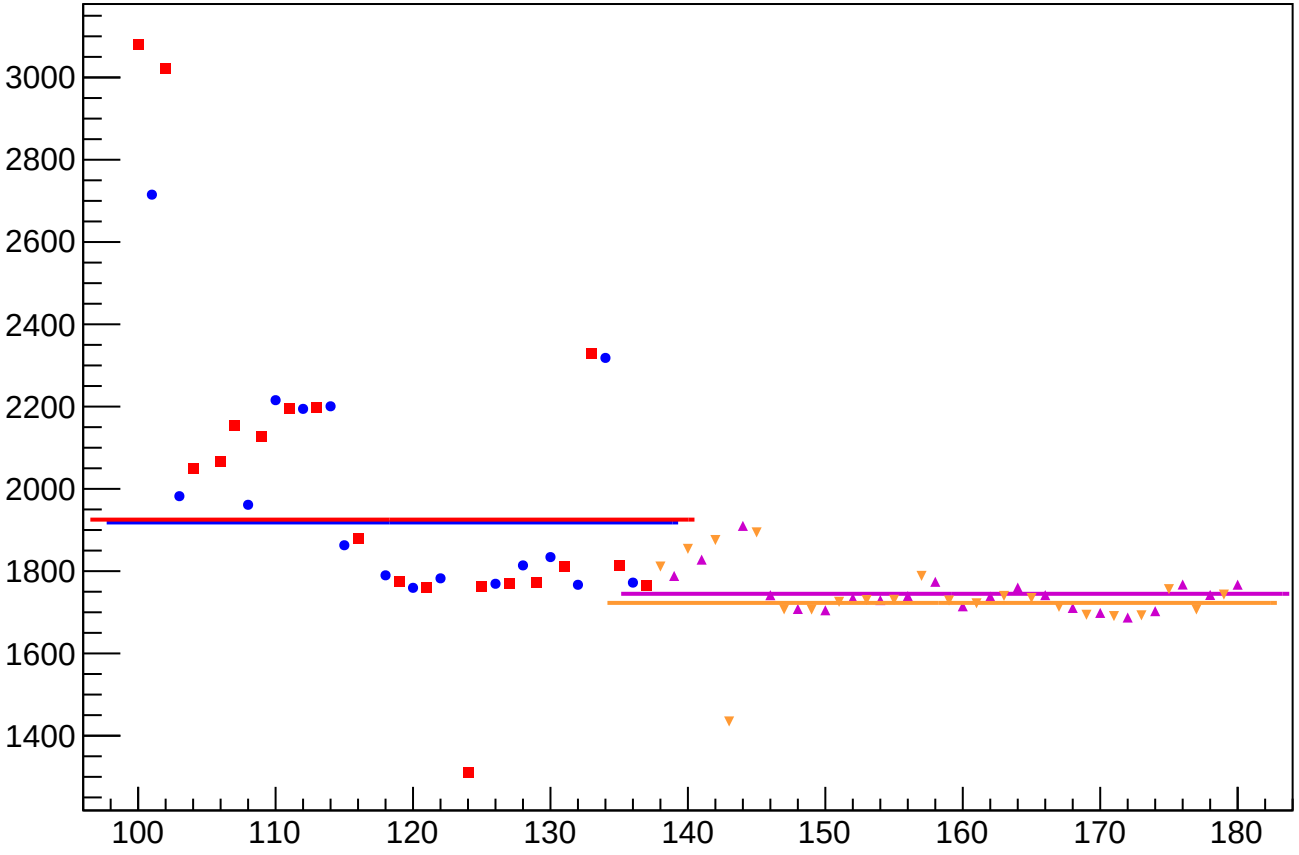
Left In: -2394.244+/-420.291 χ^2/NDF:19.7/20

+ sign 1636.801+/-357.793 χ^2/NDF: 34.5/37

All: -286.190+/-254.896 χ^2/NDF: 130.6/77

- sign -2268.002+/-363.224 χ^2/NDF: 37.5/39

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.836+/-0.292 χ^2/NDF:102604.7/21

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

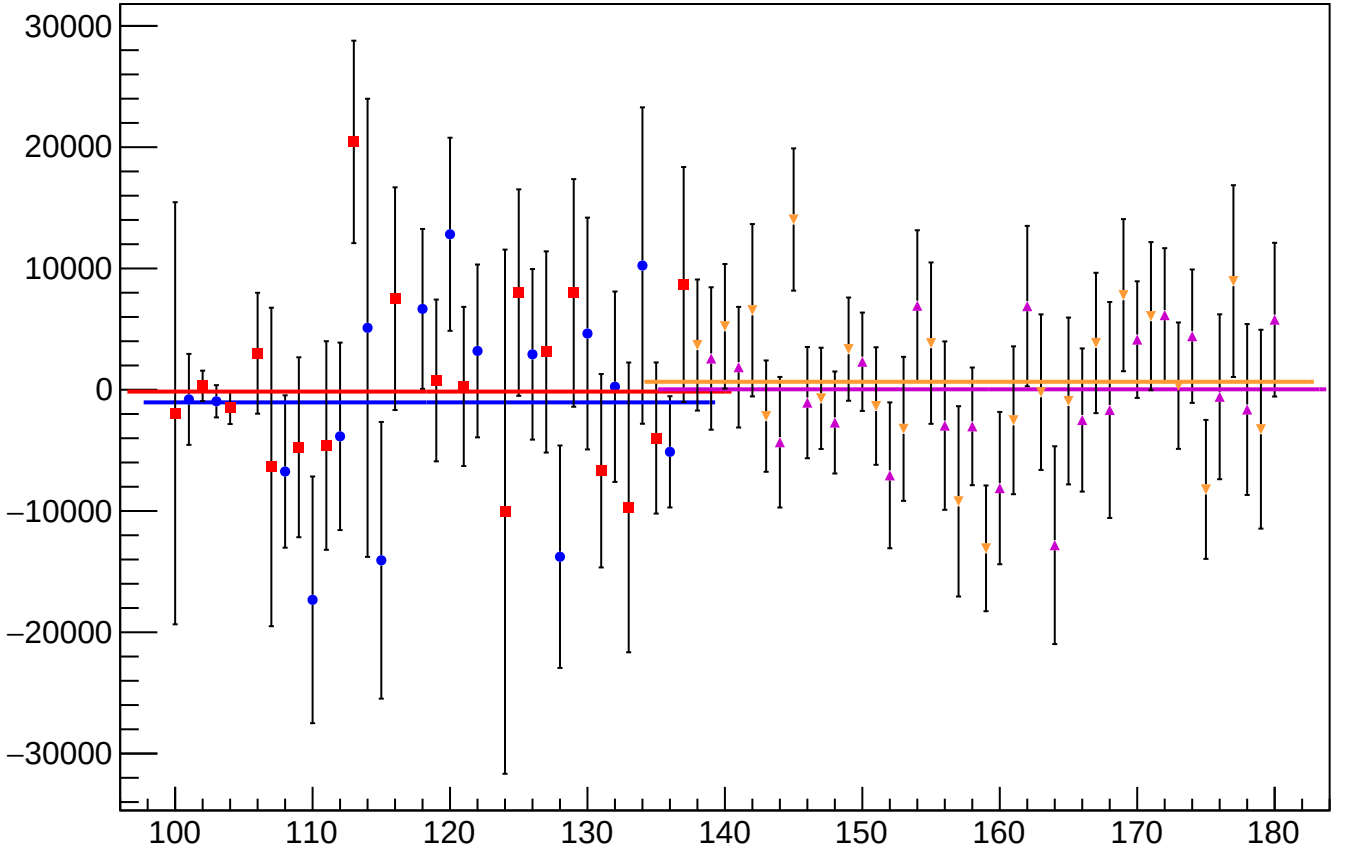
Left In: 1744.946+/-0.297 χ^2/NDF:26576.1/20

+ sign 1771.350+/-0.253 χ^2/NDF: 429626.1/37

All: 1780.853+/-0.180 χ^2/NDF: 891455.9/77

- 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: 655.320+/-1212.091 χ^2/NDF:23.8/21

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

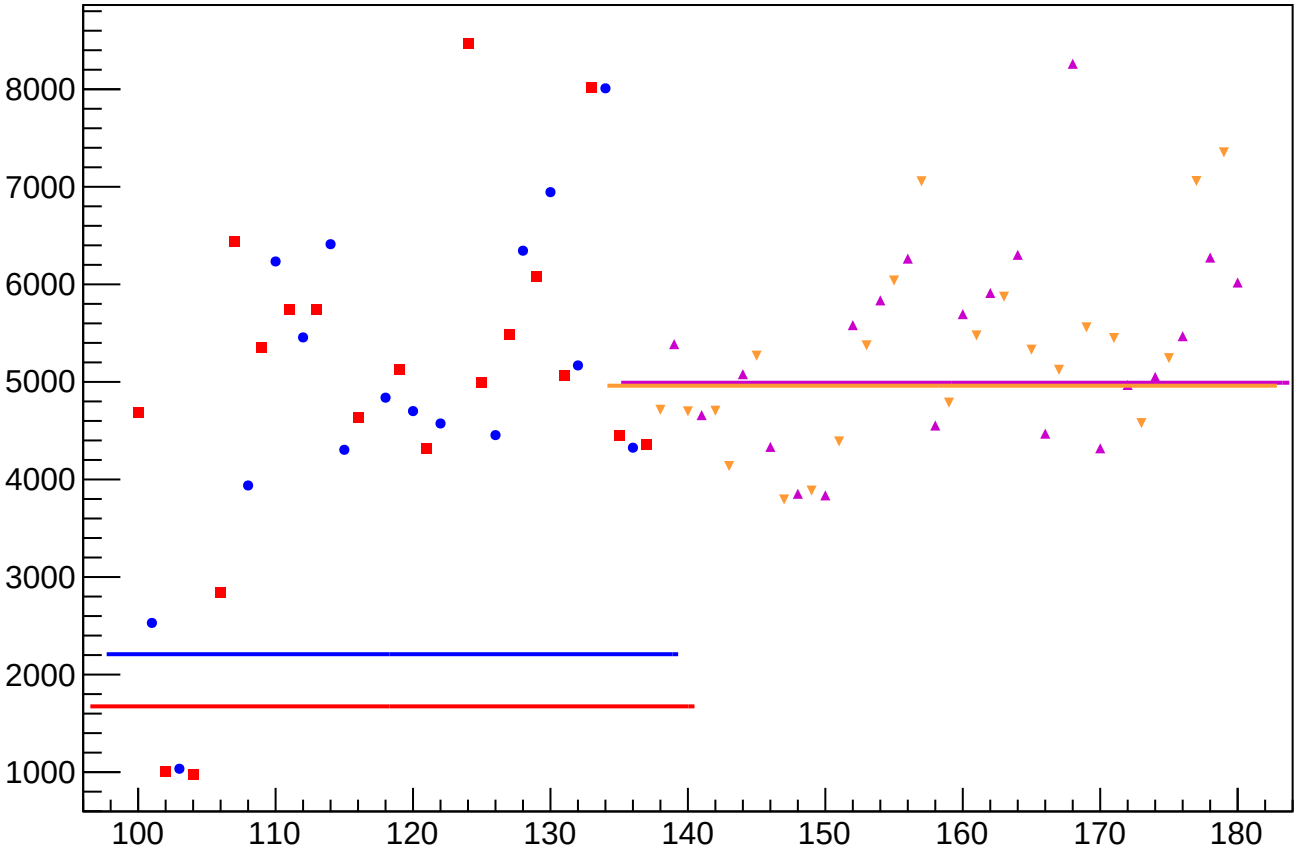
Left In: 34.360+/-1225.552 χ^2/NDF:13.9/20

+ sign -296.684+/-803.172 χ^2/NDF: 38.7/37

All: -180.106+/-523.569 χ^2/NDF: 66.4/77

- 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: 4961.240+/-0.857 χ^2/NDF:1020208.8/21

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

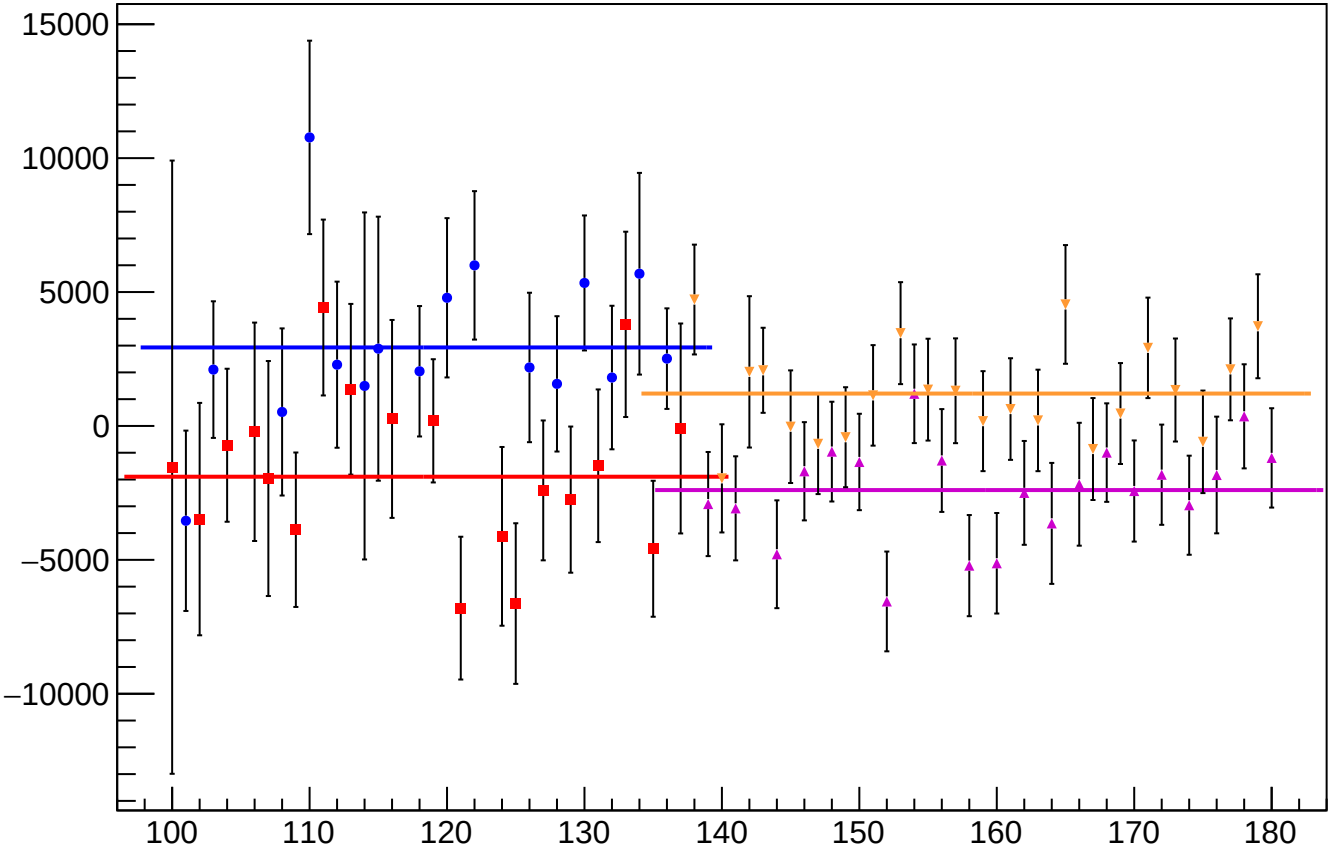
Left In: 4991.568+/-0.867 χ^2/NDF:1076417.6/20

+ sign 3417.413+/-0.568 χ^2/NDF: 12303622.6/37

All: 3020.400+/-0.370 χ^2/NDF: 31086396.9/7

- 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: 1209.504+/-412.625 χ^2/NDF:17.2/21

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

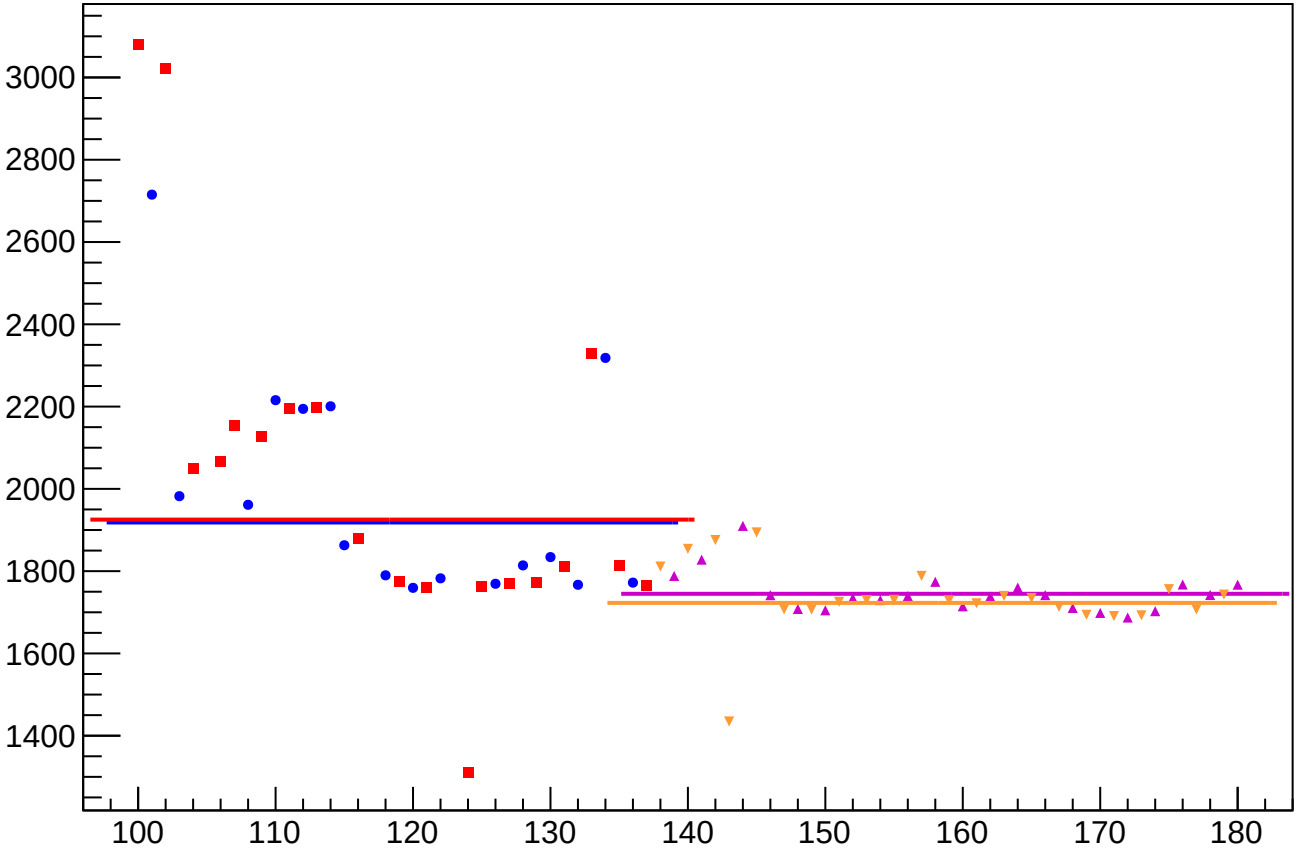
Left In: -2394.245+/-420.291 χ^2/NDF:19.7/20

+ sign 1636.798+/-357.793 χ^2/NDF: 34.5/37

All: -286.192+/-254.896 χ^2/NDF: 130.6/77

- 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: 1722.837+/-0.292 χ^2/NDF:102603.9/21

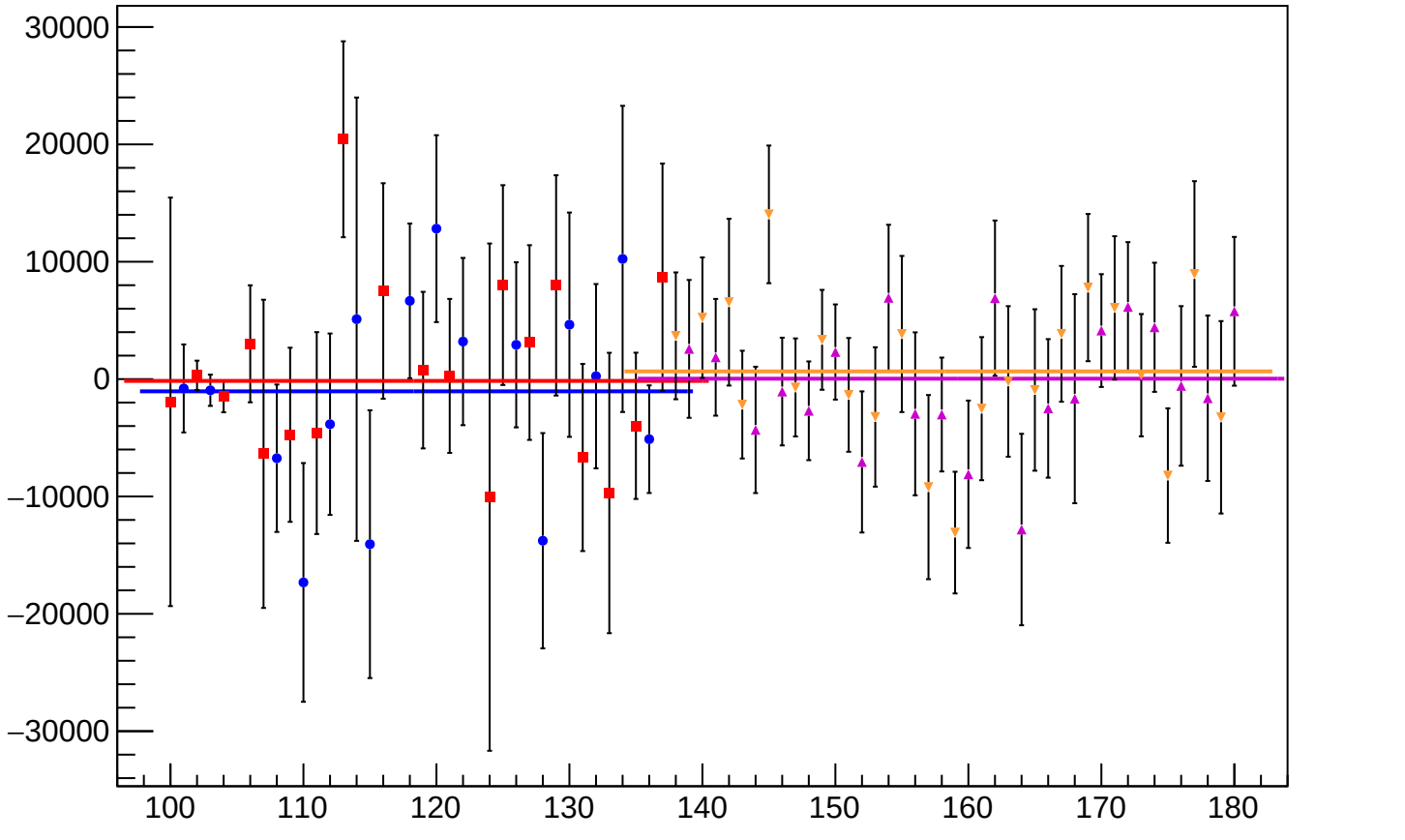
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1744.946+/-0.297 χ^2/NDF:26576.1/20

+ sign 1771.350+/-0.253 χ^2/NDF: 429623.7/37

All: 1780.854+/-0.180 χ^2/NDF: 891451.0/77

- sign 1790.644+/-0.257 χ^2/NDF: 458962.7/39



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 655.318+/-1212.093 χ^2/NDF:23.8/21

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

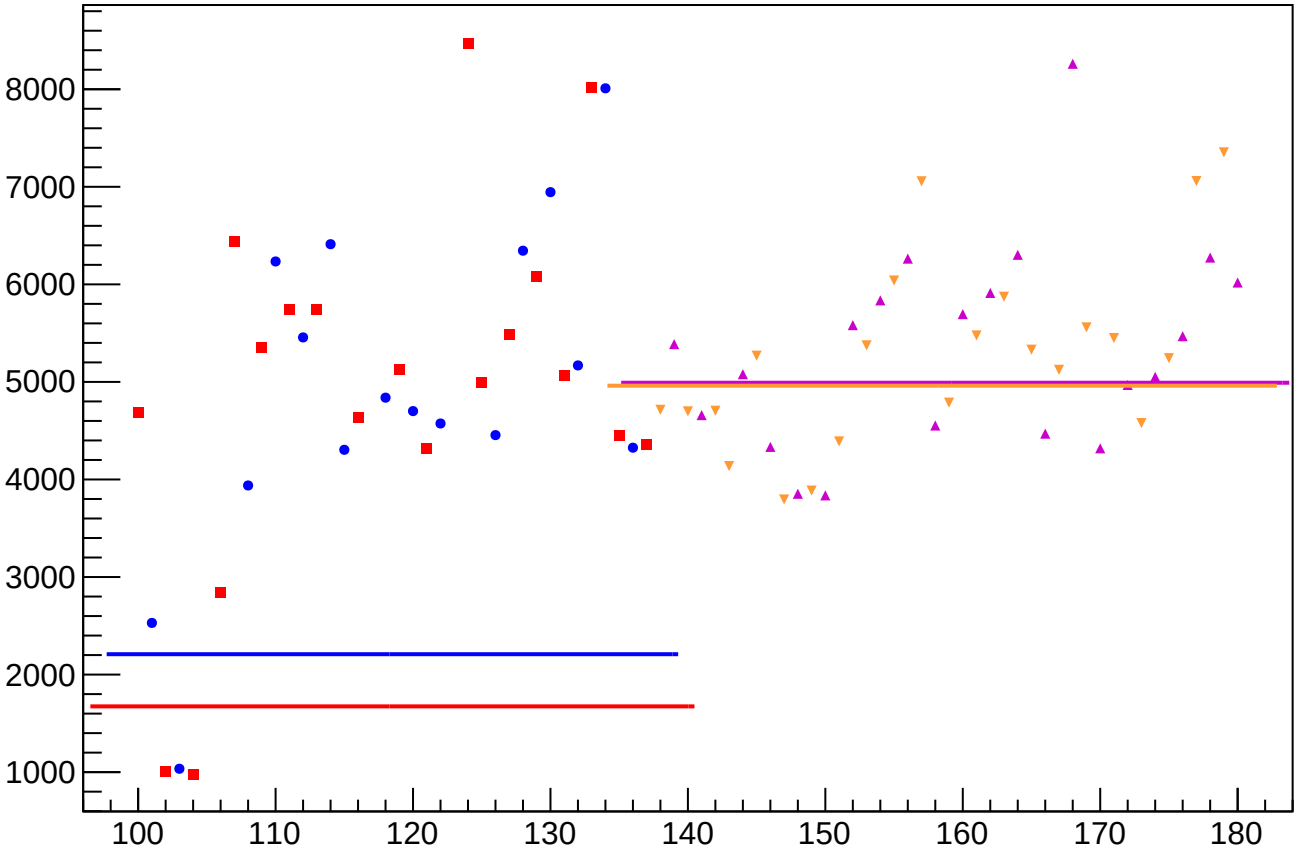
Left In: 34.362+/-1225.554 χ^2/NDF:13.9/20

+ sign -296.685+/-803.172 χ^2/NDF: 38.7/37

All: -180.104+/-523.569 χ^2/NDF: 66.4/77

- 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: 4961.248+/-0.857 χ^2/NDF:1020210.0/21

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

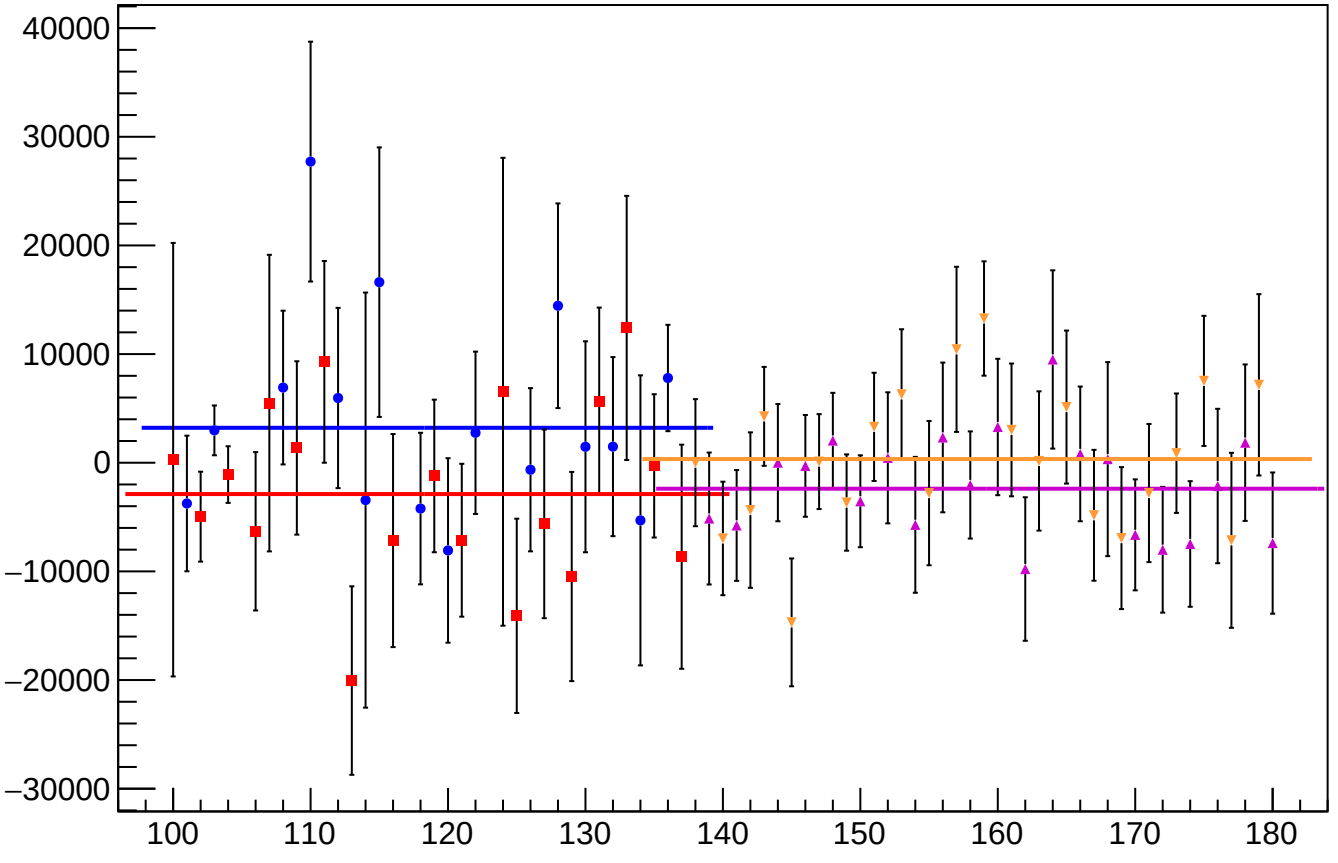
Left In: 4991.576+/-0.867 χ^2/NDF:1076420.1/20

+ sign 3417.413+/-0.568 χ^2/NDF: 12303648.0/37

All: 3020.399+/-0.370 χ^2/NDF: 31086450.1/7

- 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: 339.938+/-1242.244 χ^2/NDF:25.7/21

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

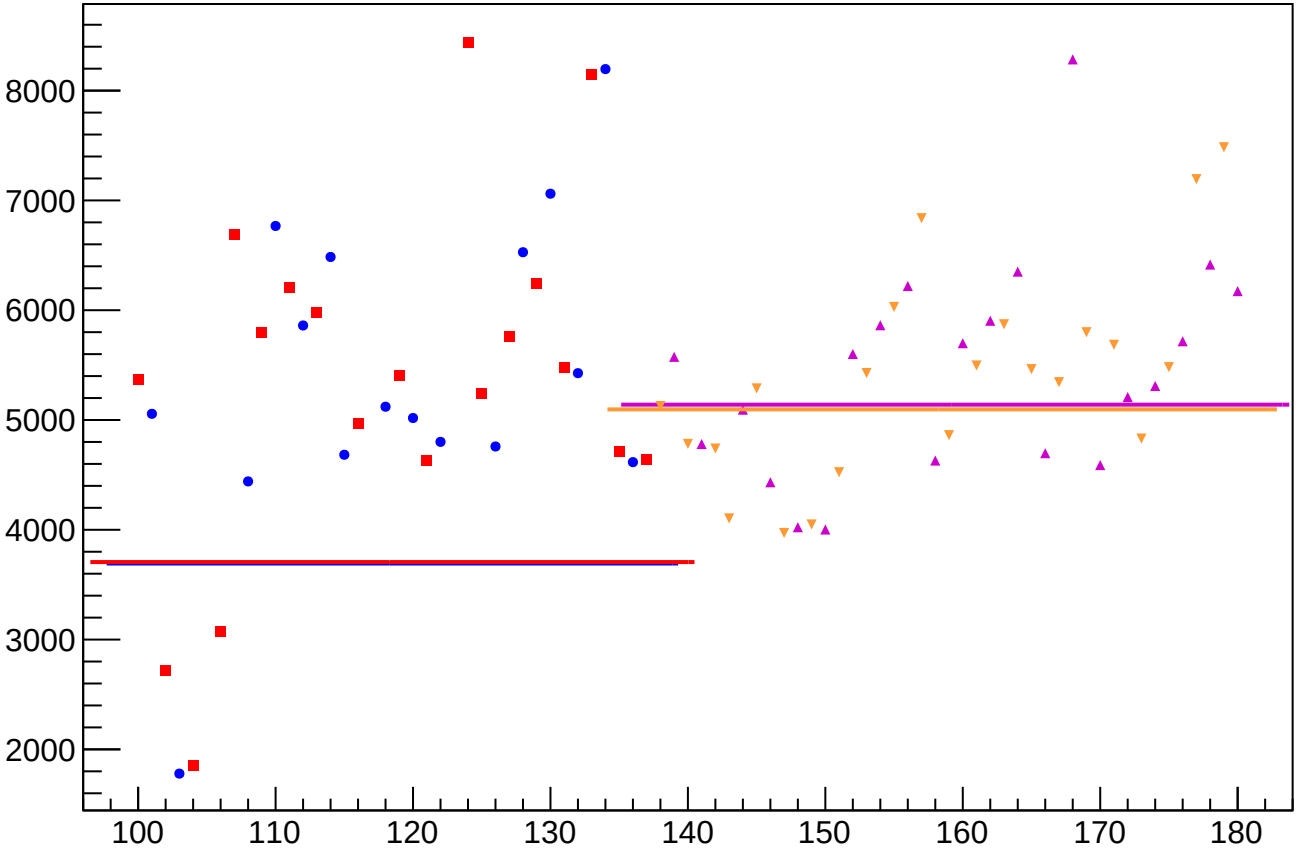
Left In: -2391.029+/-1258.646 χ^2/NDF:11.0/20

+ sign 1474.197+/-966.702 χ^2/NDF: 41.6/37

All: -533.307+/-687.385 χ^2/NDF: 74.8/77

- sign -2586.364+/-977.608 χ^2/NDF: 24.5/39

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5096.652+/-0.878 χ^2/NDF:934438.9/21

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

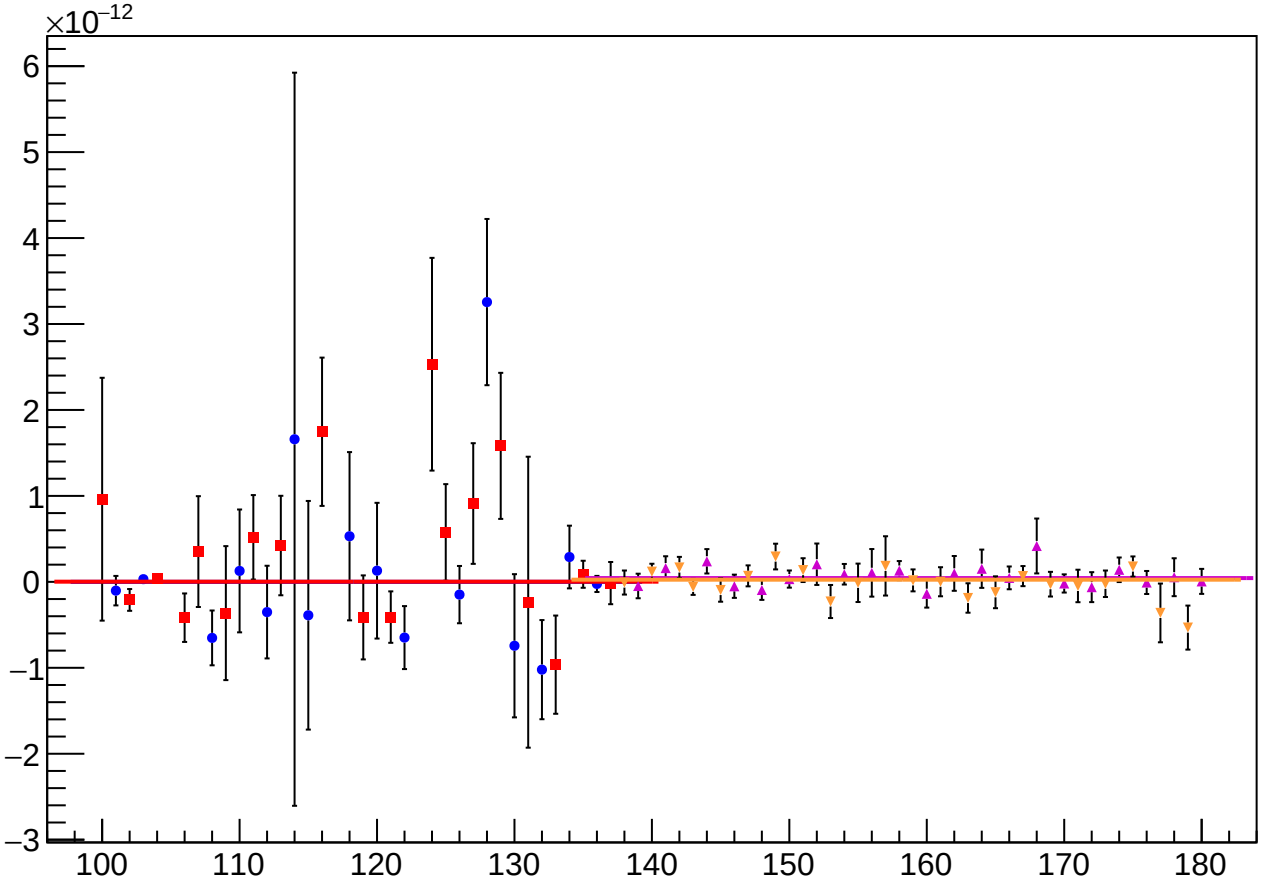
Left In: 5139.750+/-0.890 χ^2/NDF:945223.2/20

+ sign 4542.949+/-0.684 χ^2/NDF: 4827513.4/37

All: 4553.445+/-0.485 χ^2/NDF: 9499662.4/77

- 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:20.4/21

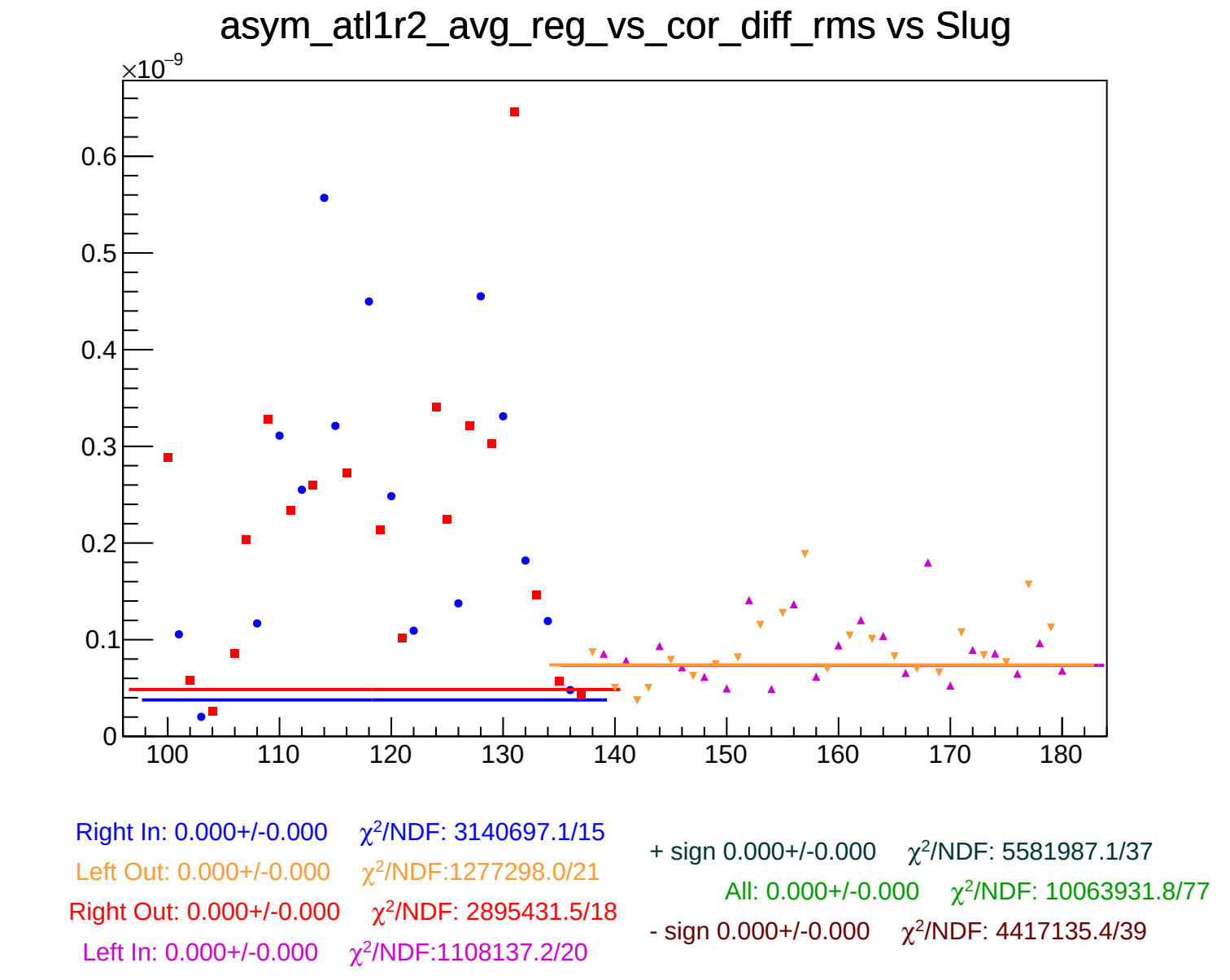
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

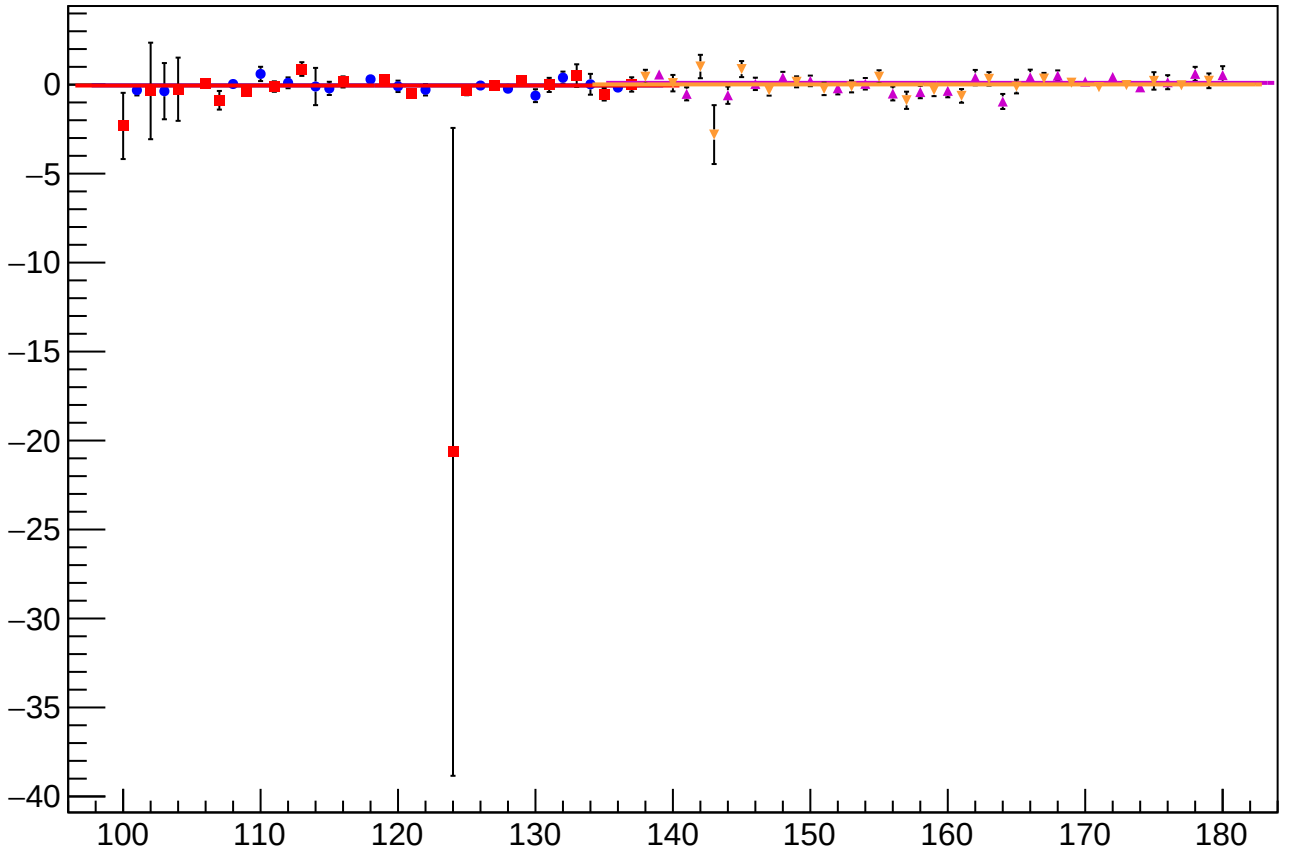
Left In: 0.000+/-0.000 χ^2/NDF:10.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 46.1/37

All: 0.000+/-0.000 χ^2/NDF: 85.7/77

- 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:1277298.0/21
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: 5581987.1/37
All: 0.000+/-0.000 χ²/NDF: 10063931.8/77
- sign 0.000+/-0.000 χ²/NDF: 4417135.4/39



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

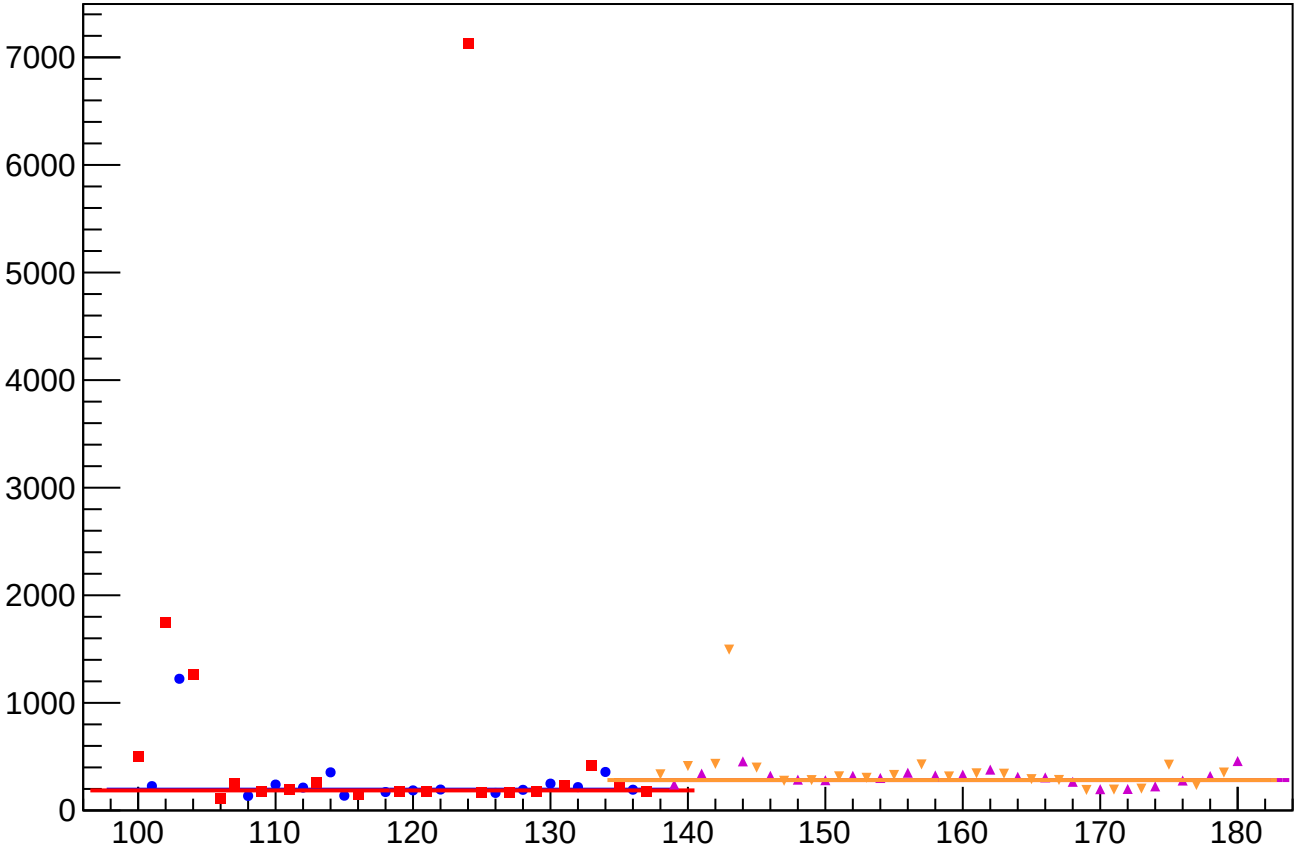
Left In: 0.100+/-0.072 χ^2/NDF:30.4/20

+ sign -0.012+/-0.053 χ^2/NDF: 35.5/37

All: 0.010+/-0.037 χ^2/NDF: 91.2/77

- 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: 282.404+/-0.051 χ^2/NDF:3074560.6/21

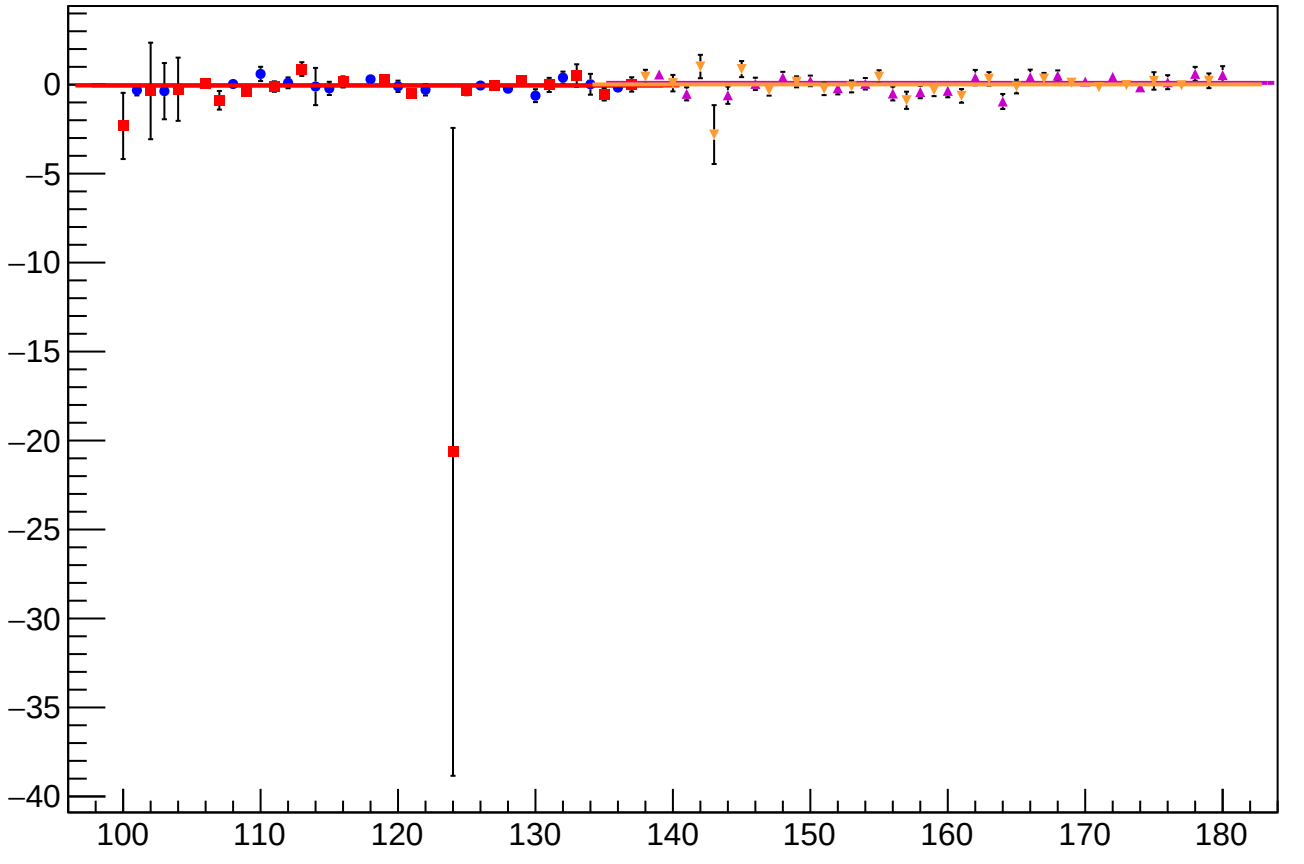
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 282.548+/-0.051 χ^2/NDF:1600750.2/20

+ sign 241.043+/-0.037 χ^2/NDF: 5892591.9/37

All: 240.042+/-0.026 χ^2/NDF: 11605419.5/77

- sign 239.040+/-0.037 χ^2/NDF: 5711398.3/39



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

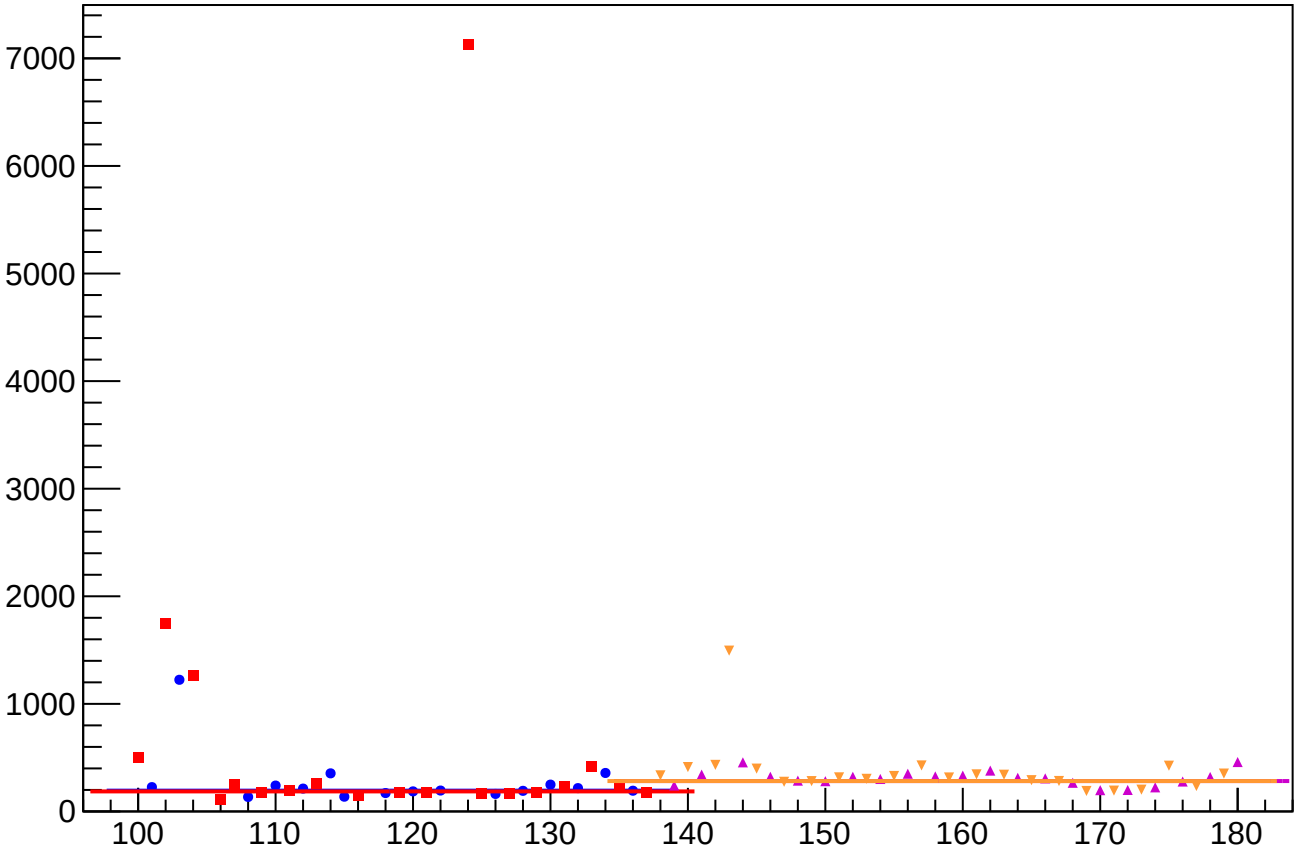
Left In: 0.100+/-0.072 χ^2/NDF:30.4/20

+ sign -0.012+/-0.053 χ^2/NDF: 35.5/37

All: 0.010+/-0.037 χ^2/NDF: 91.2/77

- 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: 282.404+/-0.051 χ^2/NDF:3074560.6/21

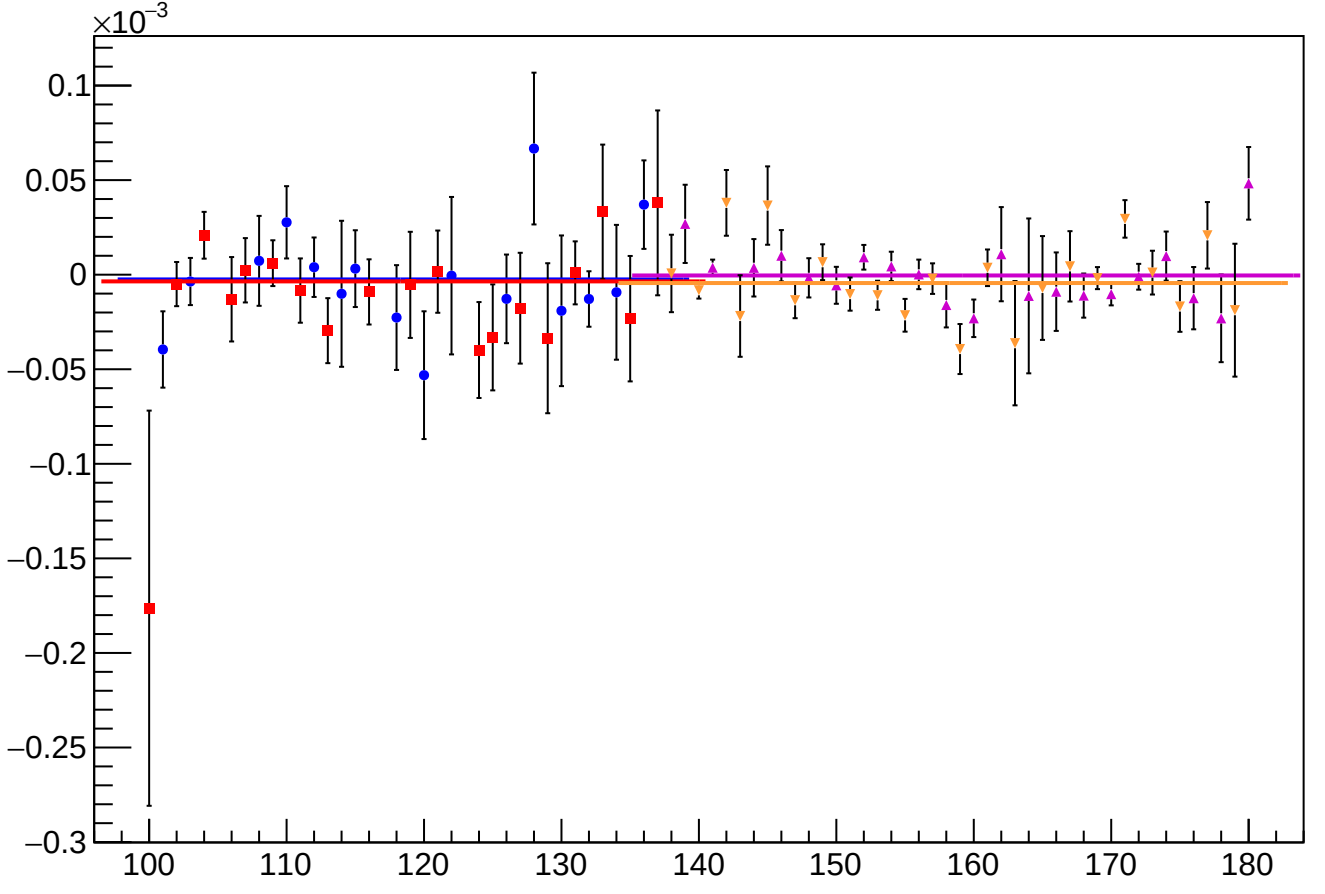
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 282.548+/-0.051 χ^2/NDF:1600750.2/20

+ sign 241.043+/-0.037 χ^2/NDF: 5892591.9/37

All: 240.042+/-0.026 χ^2/NDF: 11605419.5/77

- 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:42.7/21

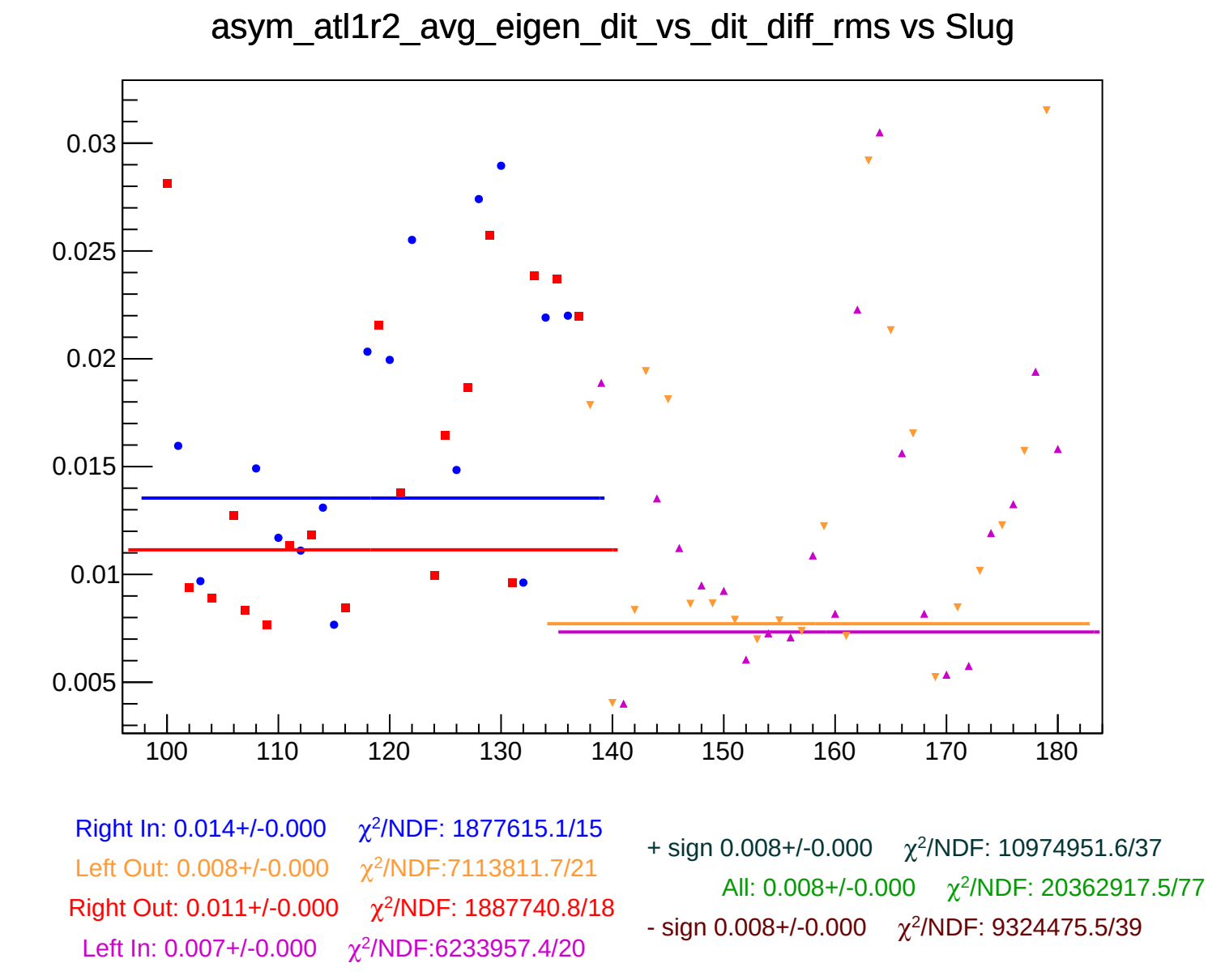
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

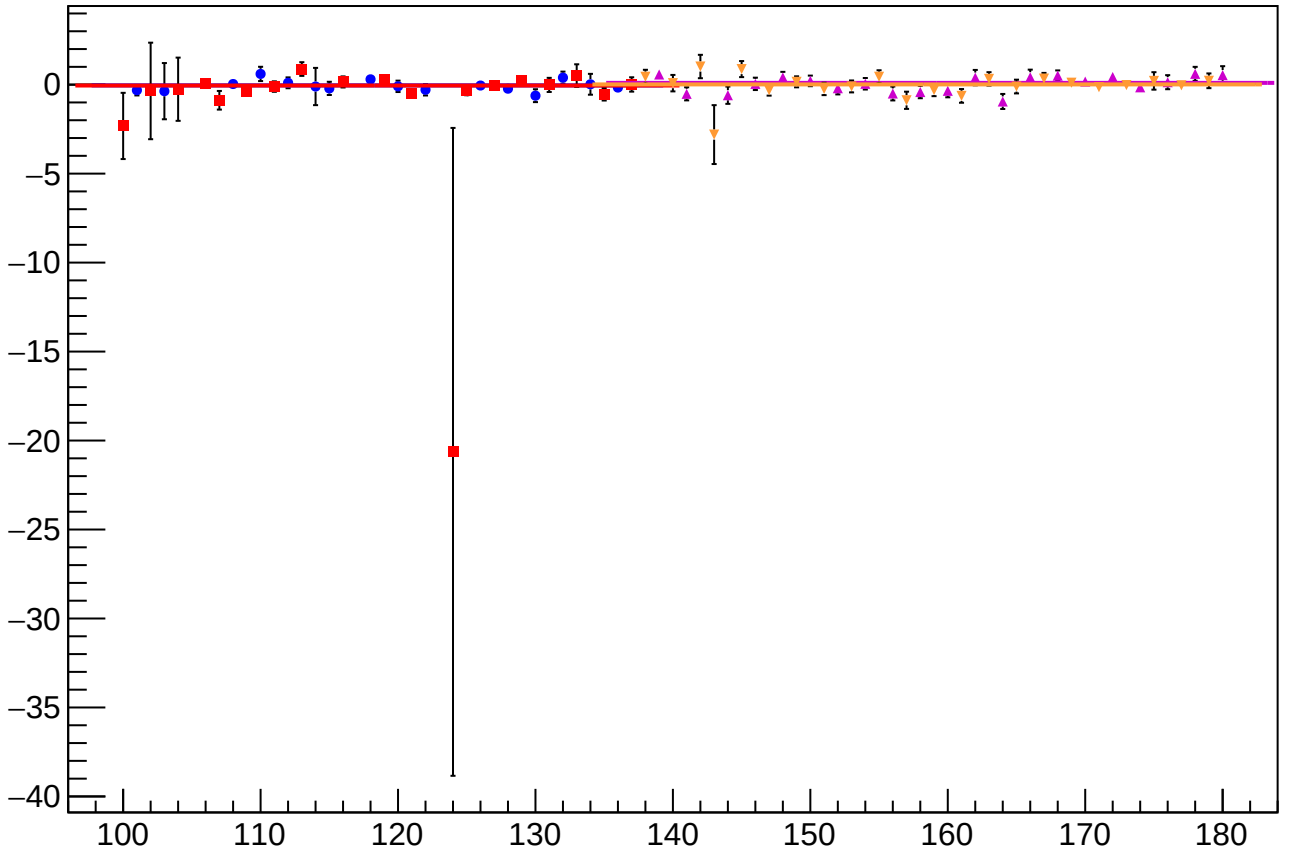
Left In: -0.000+/-0.000 χ^2/NDF:25.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 58.7/37

All: -0.000+/-0.000 χ^2/NDF: 102.5/77

- 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:7113811.7/21
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: 10974951.6/37
All: 0.008+/-0.000 χ²/NDF: 20362917.5/77
- sign 0.008+/-0.000 χ²/NDF: 9324475.5/39



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

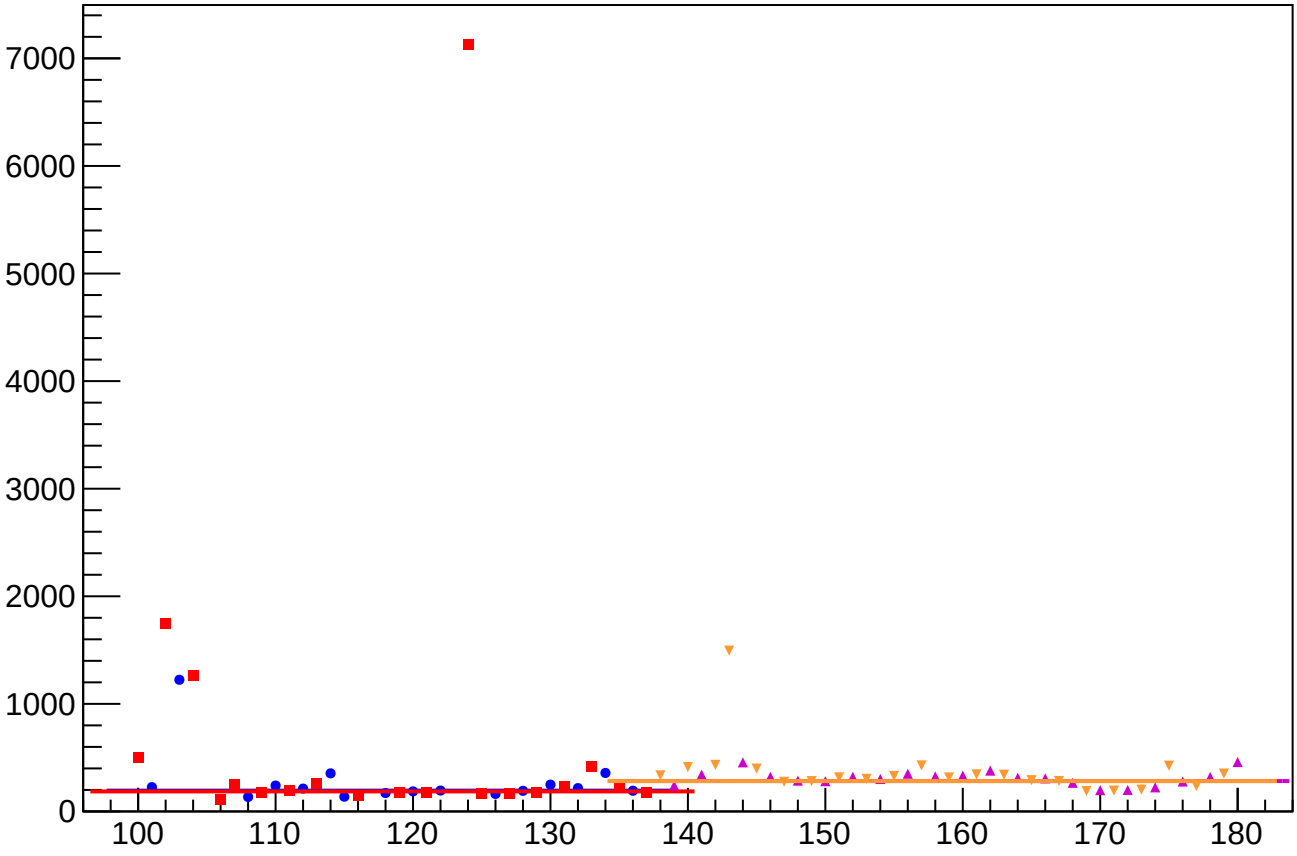
Left In: 0.100+/-0.072 χ^2/NDF:30.4/20

+ sign -0.012+/-0.053 χ^2/NDF: 35.5/37

All: 0.010+/-0.037 χ^2/NDF: 91.2/77

- 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: 282.407+/-0.051 χ^2/NDF:3074613.7/21

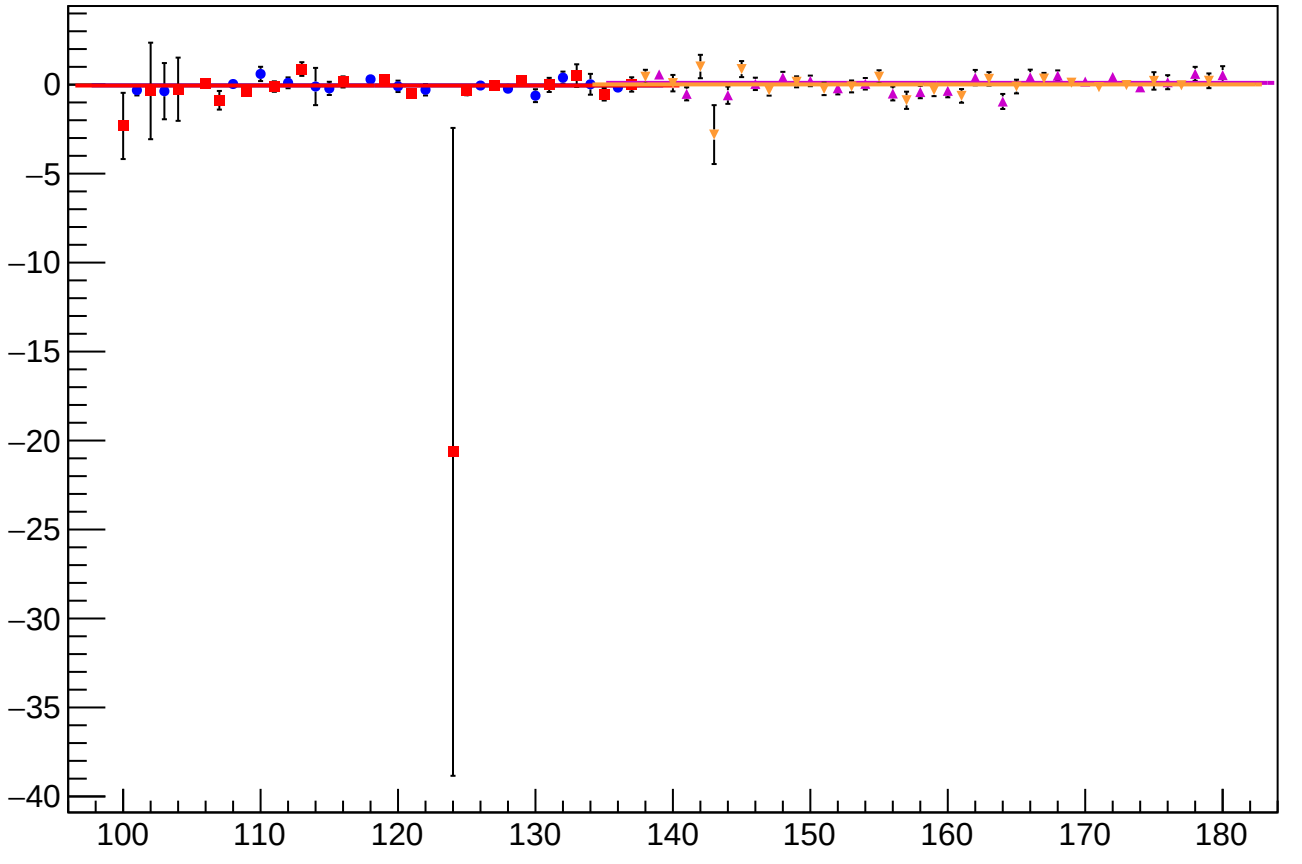
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 282.550+/-0.051 χ^2/NDF:1600796.9/20

+ sign 241.043+/-0.037 χ^2/NDF: 5892764.3/37

All: 240.042+/-0.026 χ^2/NDF: 11605835.7/77

- 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: 0.013+/-0.072 χ^2/NDF:23.5/21

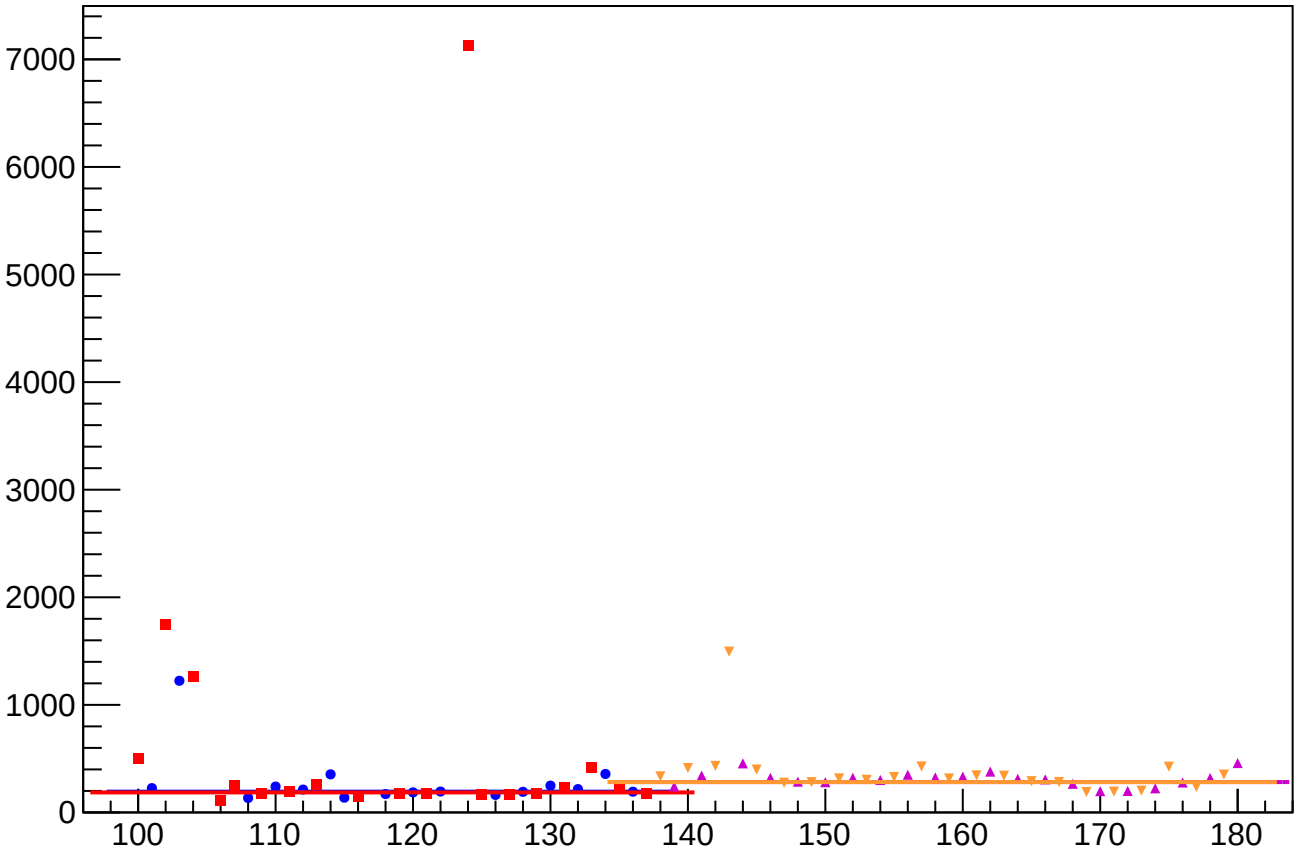
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.100+/-0.072 χ^2/NDF:30.4/20

+ sign -0.012+/-0.053 χ^2/NDF: 35.5/37

All: 0.010+/-0.037 χ^2/NDF: 91.2/77

- 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: 282.407+/-0.051 χ^2/NDF:3074613.7/21

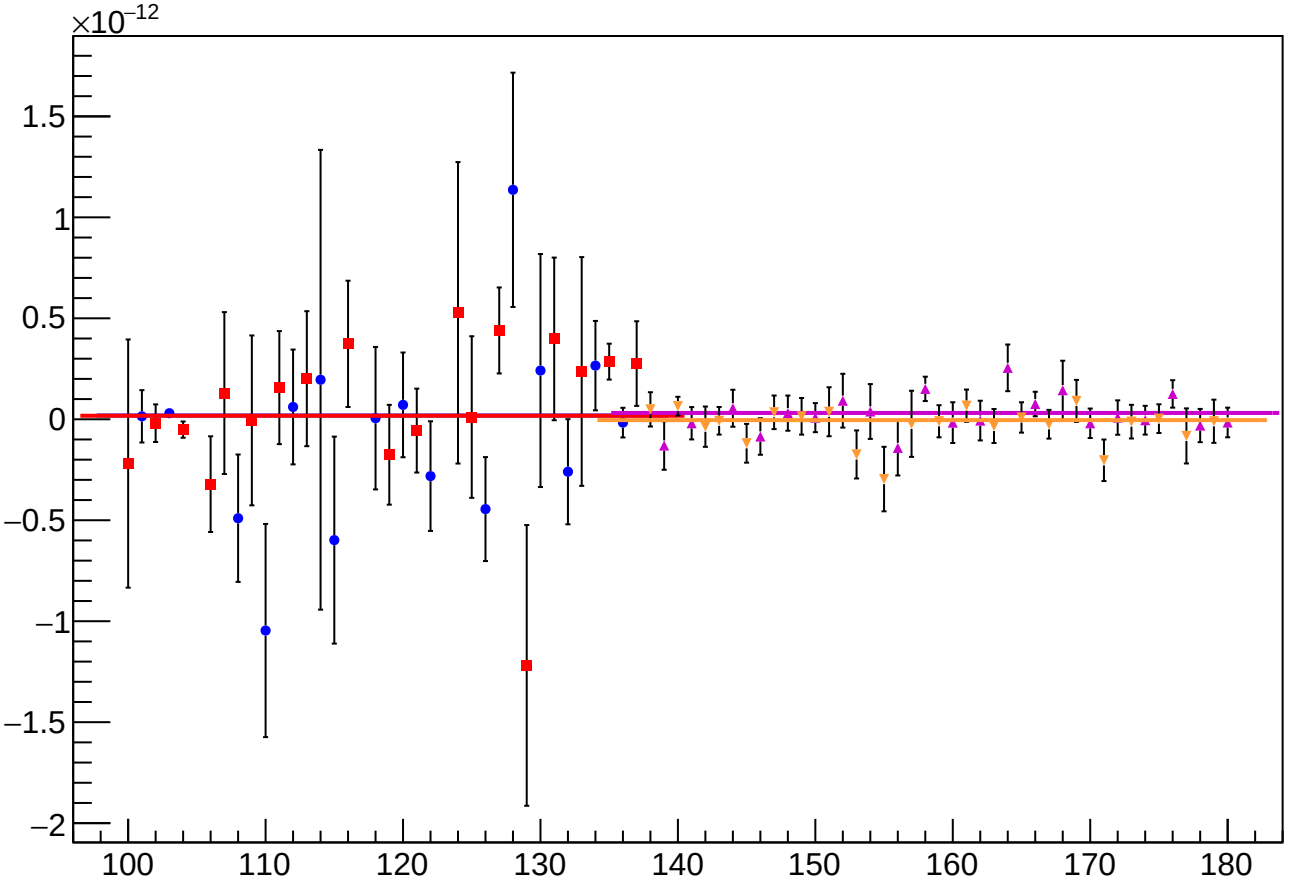
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 282.550+/-0.051 χ^2/NDF:1600796.9/20

+ sign 241.043+/-0.037 χ^2/NDF: 5892764.3/37

All: 240.042+/-0.026 χ^2/NDF: 11605835.7/77

- 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:15.9/21

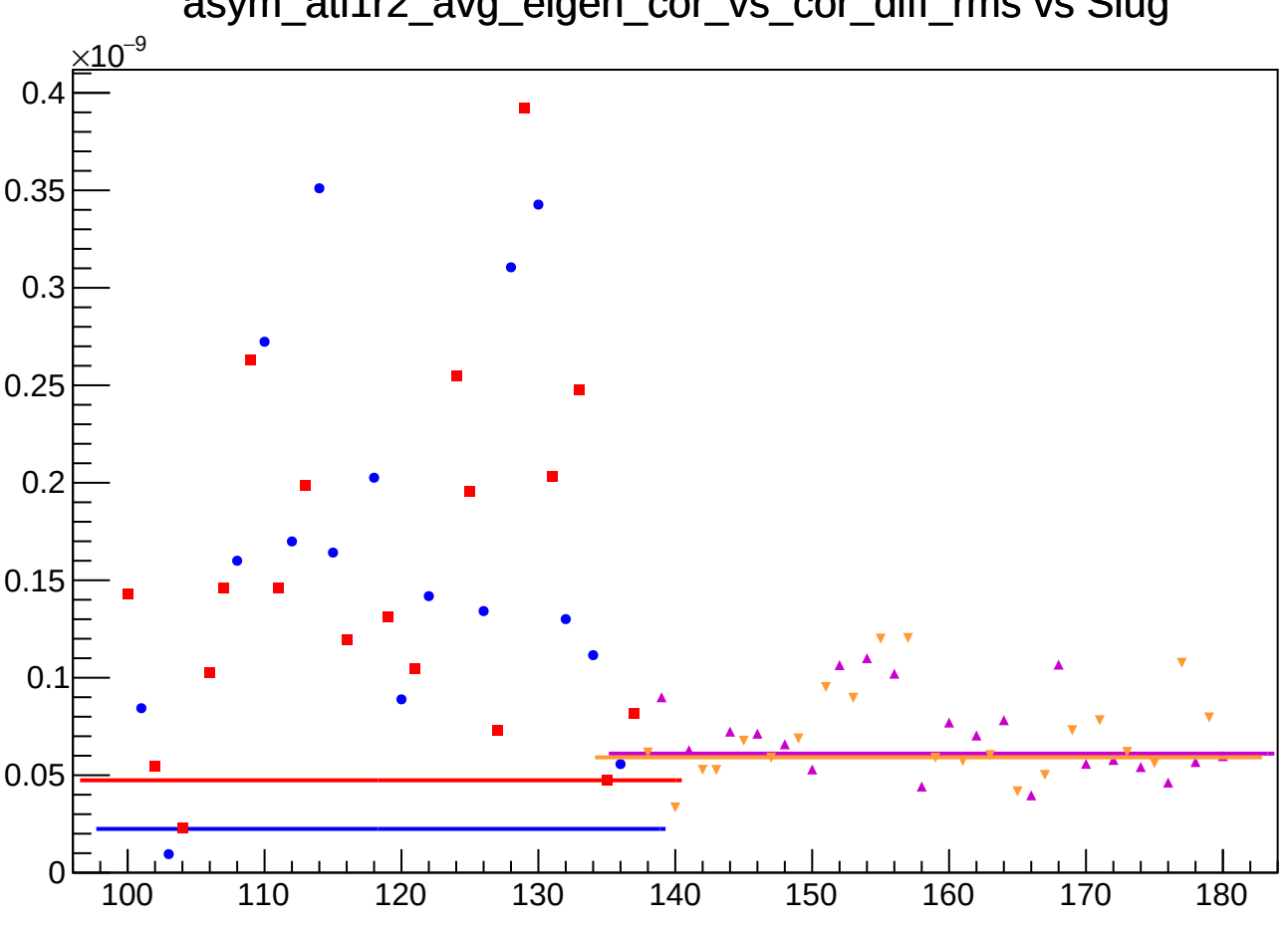
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/37

All: 0.000+/-0.000 χ^2/NDF: 83.1/77

- sign 0.000+/-0.000 χ^2/NDF: 46.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2136271.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

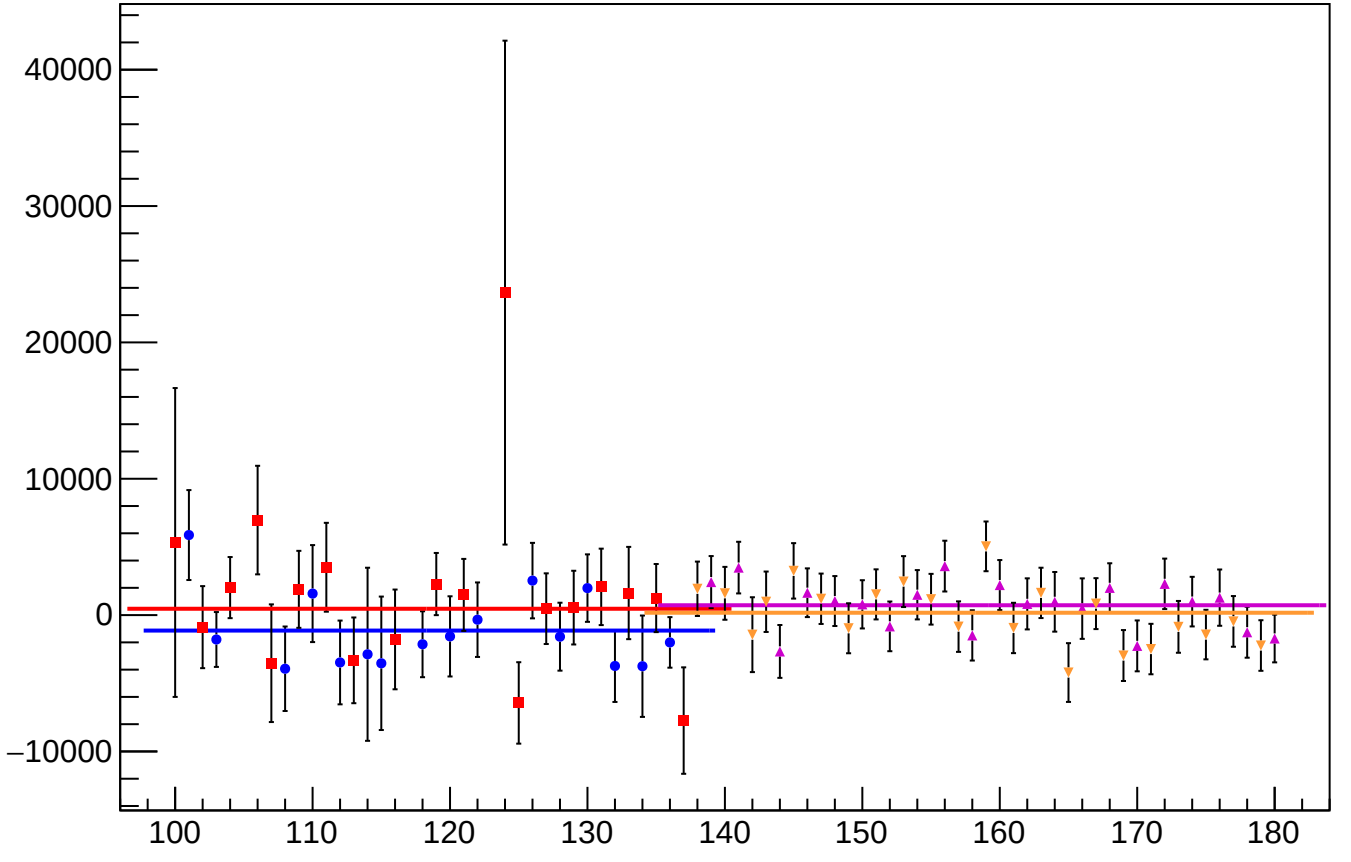
Left In: 0.000+/-0.000 χ^2/NDF:1722689.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 12108102.6/37

All: 0.000+/-0.000 χ^2/NDF: 19300407.8/77

- 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: 173.045+/-408.964 χ^2/NDF:27.5/21

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

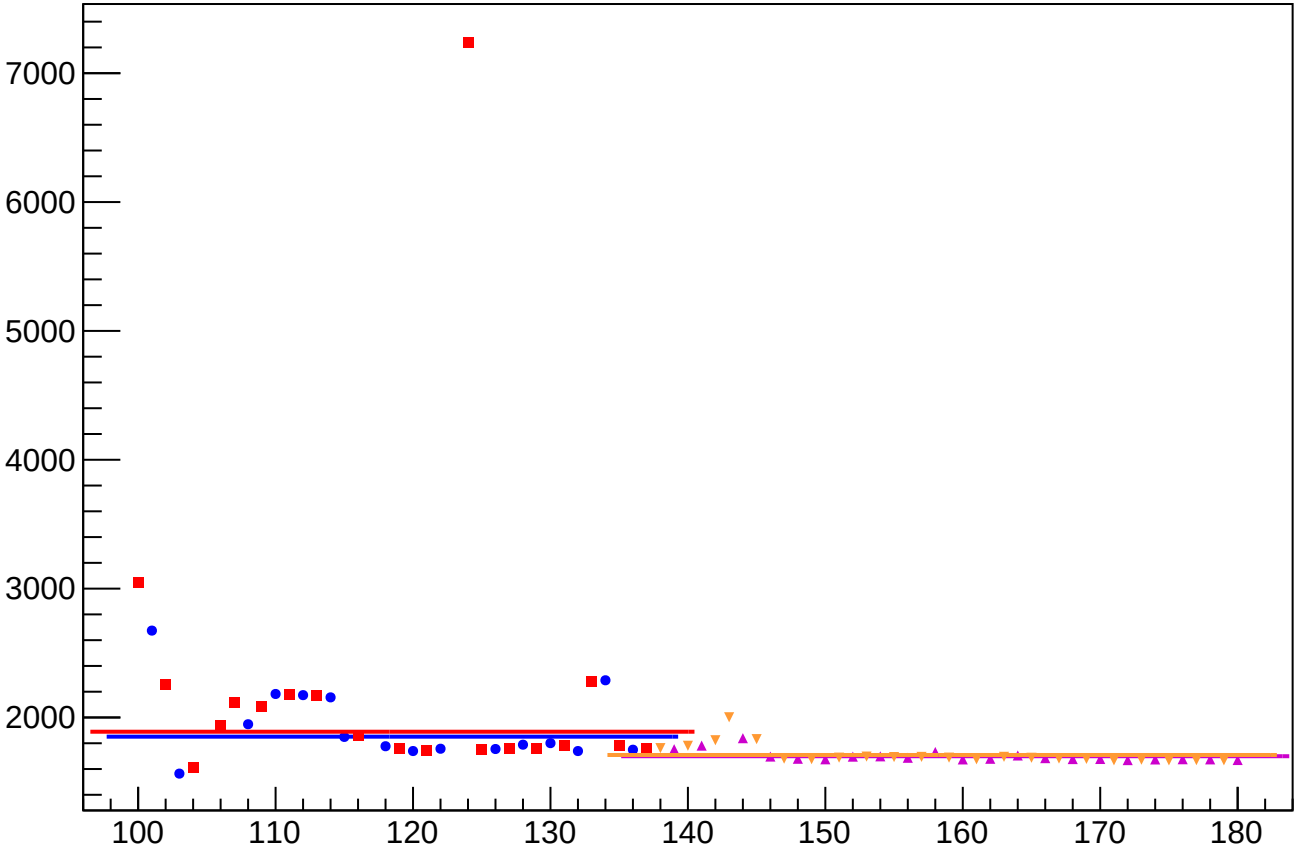
Left In: 722.626+/-409.217 χ^2/NDF:18.6/20

+ sign -164.167+/-352.310 χ^2/NDF: 42.4/37

All: 244.890+/-249.728 χ^2/NDF: 83.8/77

- 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: 1708.923+/-0.289 χ^2/NDF:58517.8/21

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

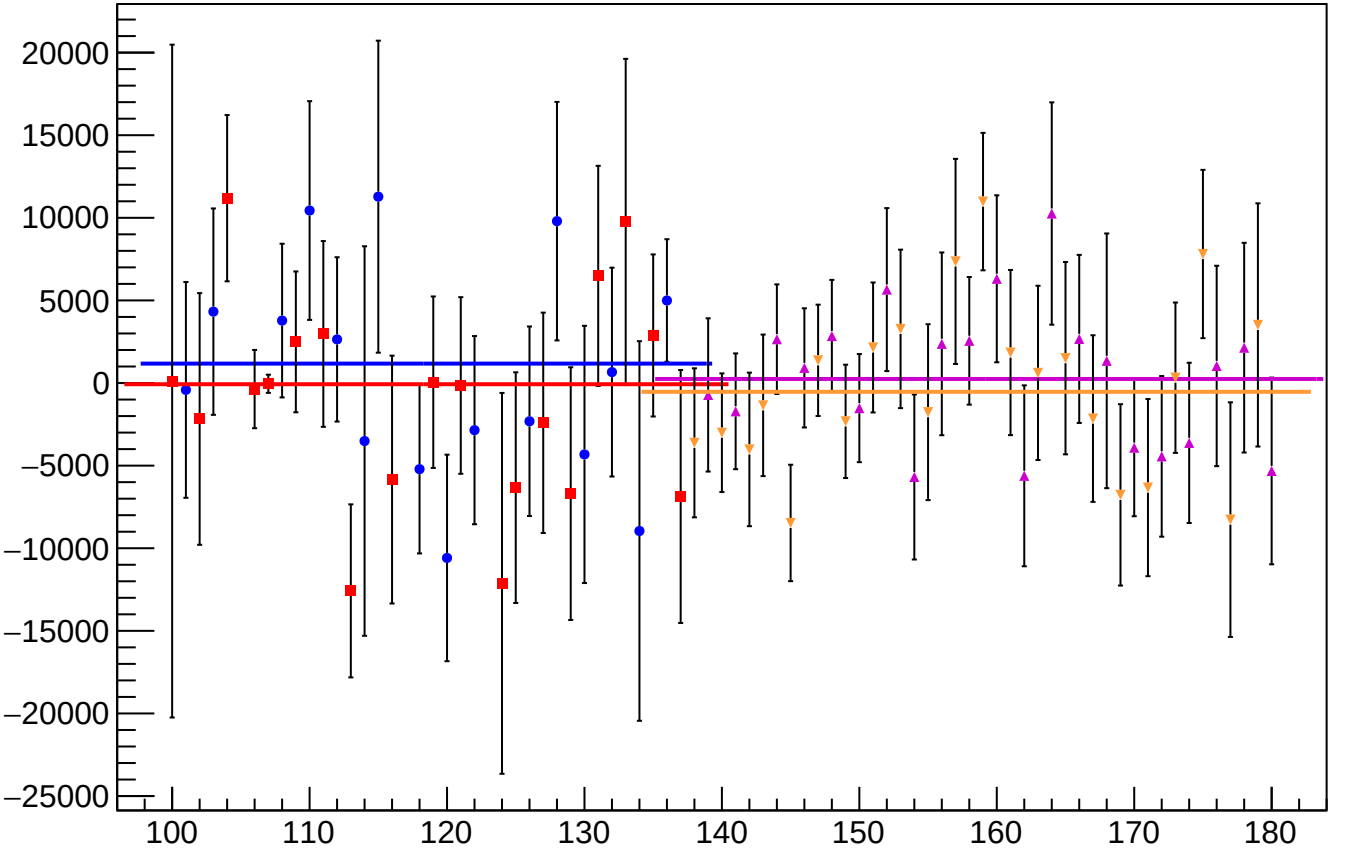
Left In: 1699.367+/-0.289 χ^2/NDF:20479.3/20

+ sign 1745.594+/-0.249 χ^2/NDF: 380859.3/37

All: 1746.474+/-0.177 χ^2/NDF: 869270.0/77

- 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: -531.200+/-977.704 χ^2/NDF:24.8/21

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

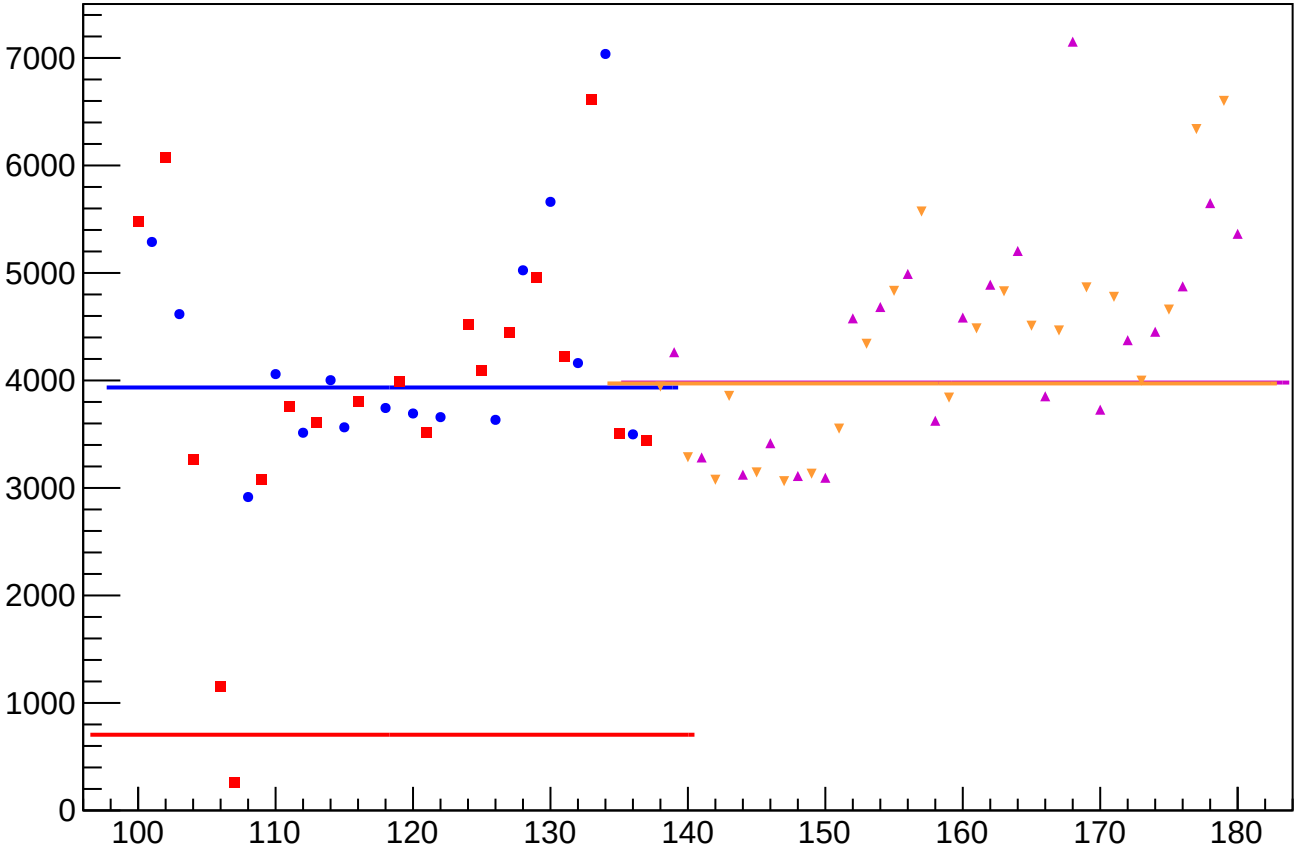
Left In: 245.829+/-983.907 χ^2/NDF:13.6/20

+ sign -23.346+/-819.420 χ^2/NDF: 39.4/37

All: -10.112+/-394.278 χ^2/NDF: 71.1/77

- 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: 3972.246+/-0.691 χ^2/NDF:1468252.0/21

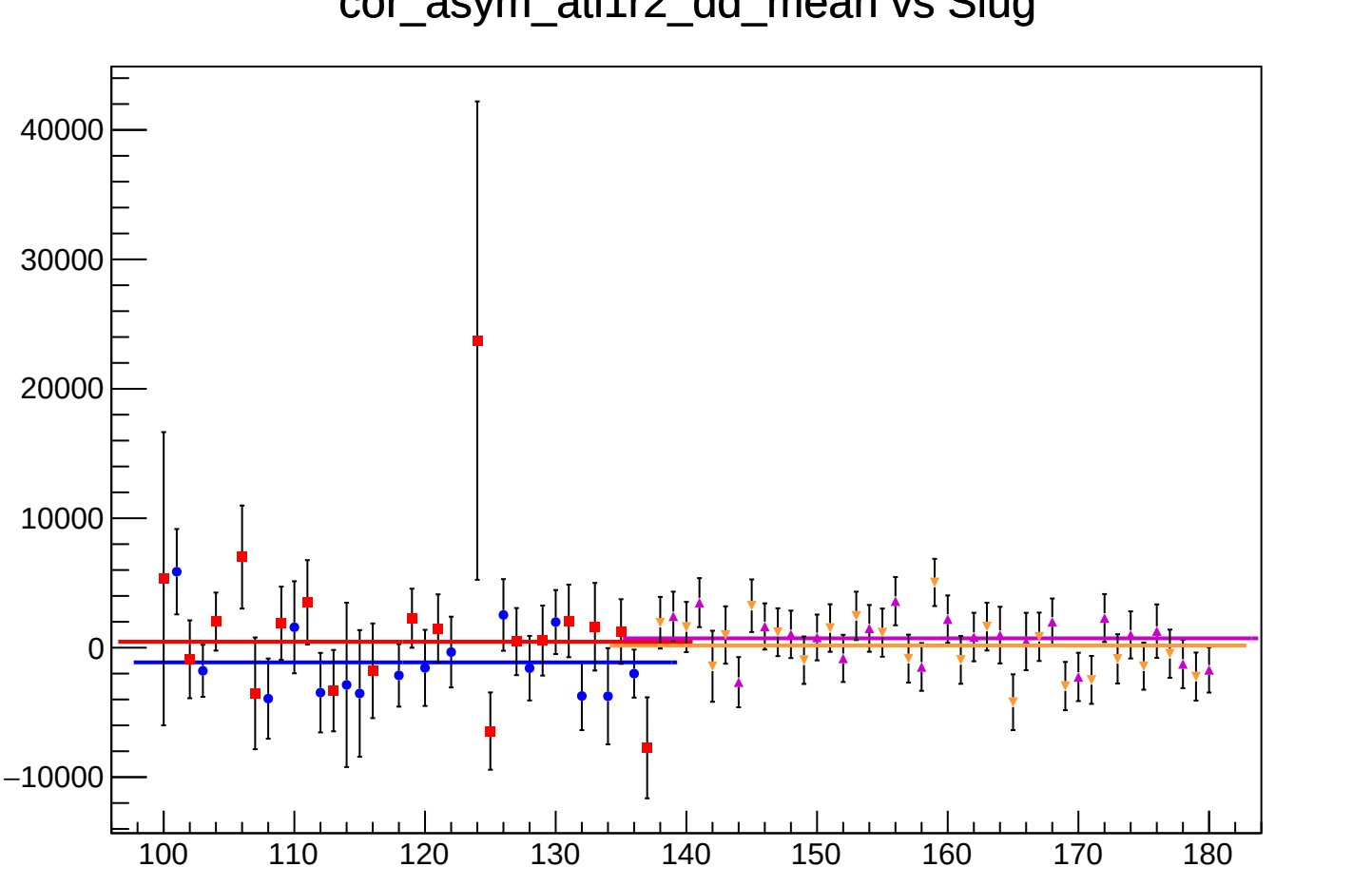
Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3980.490+/-0.696 χ^2/NDF:1530233.1/20

\+ sign 3961.079+/-0.579 χ^2/NDF: 2029254.4/37

All: 1984.462+/-0.279 χ^2/NDF: 46862006.9/7

\- sign 1388.962+/-0.318 χ^2/NDF: 29689132.6/39



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 173.087+/-408.964 χ^2/NDF:27.5/21

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

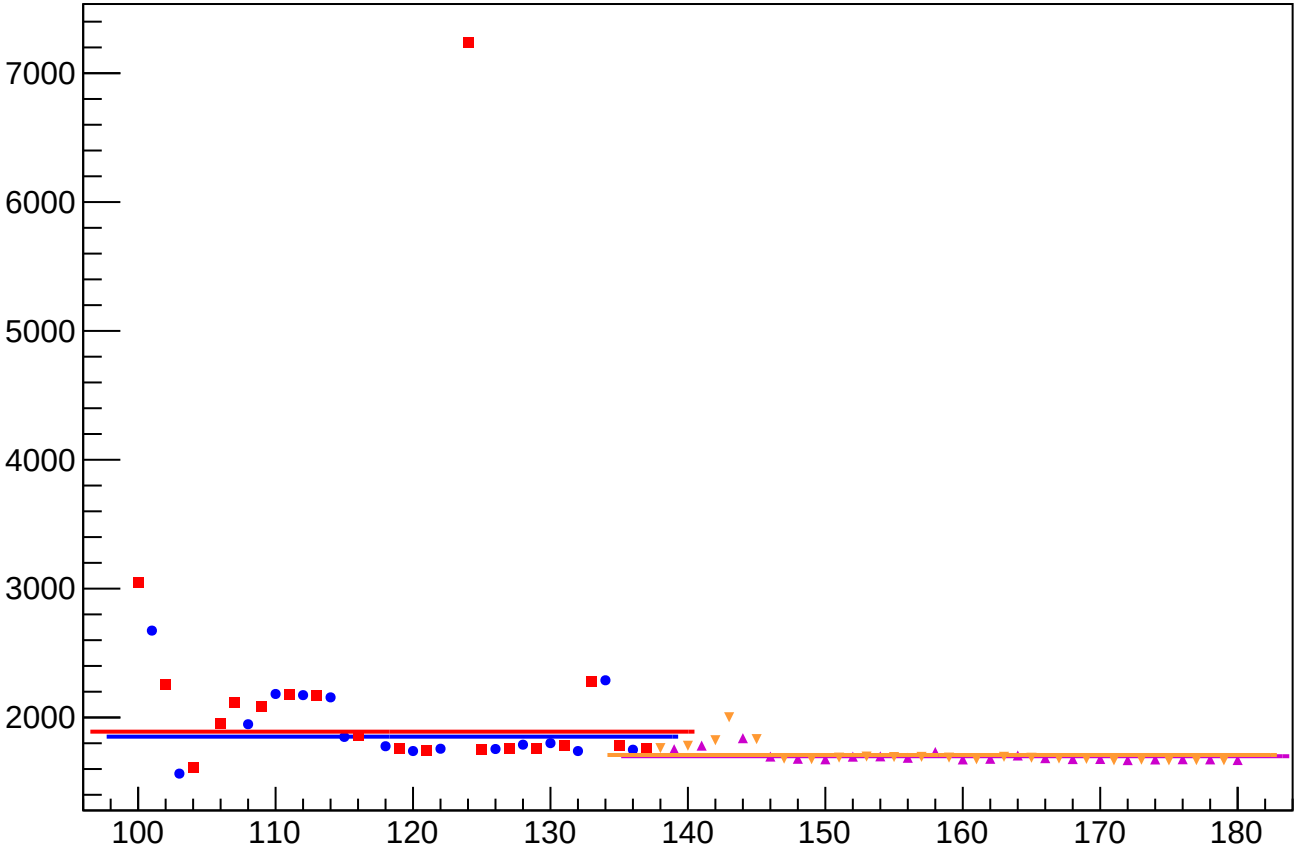
Left In: 722.499+/-409.217 χ^2/NDF:18.6/20

\+ sign -164.026+/-352.310 χ^2/NDF: 42.4/37

All: 244.961+/-249.728 χ^2/NDF: 83.9/77

\- 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: 1708.923+/-0.289 χ^2/NDF:58517.8/21

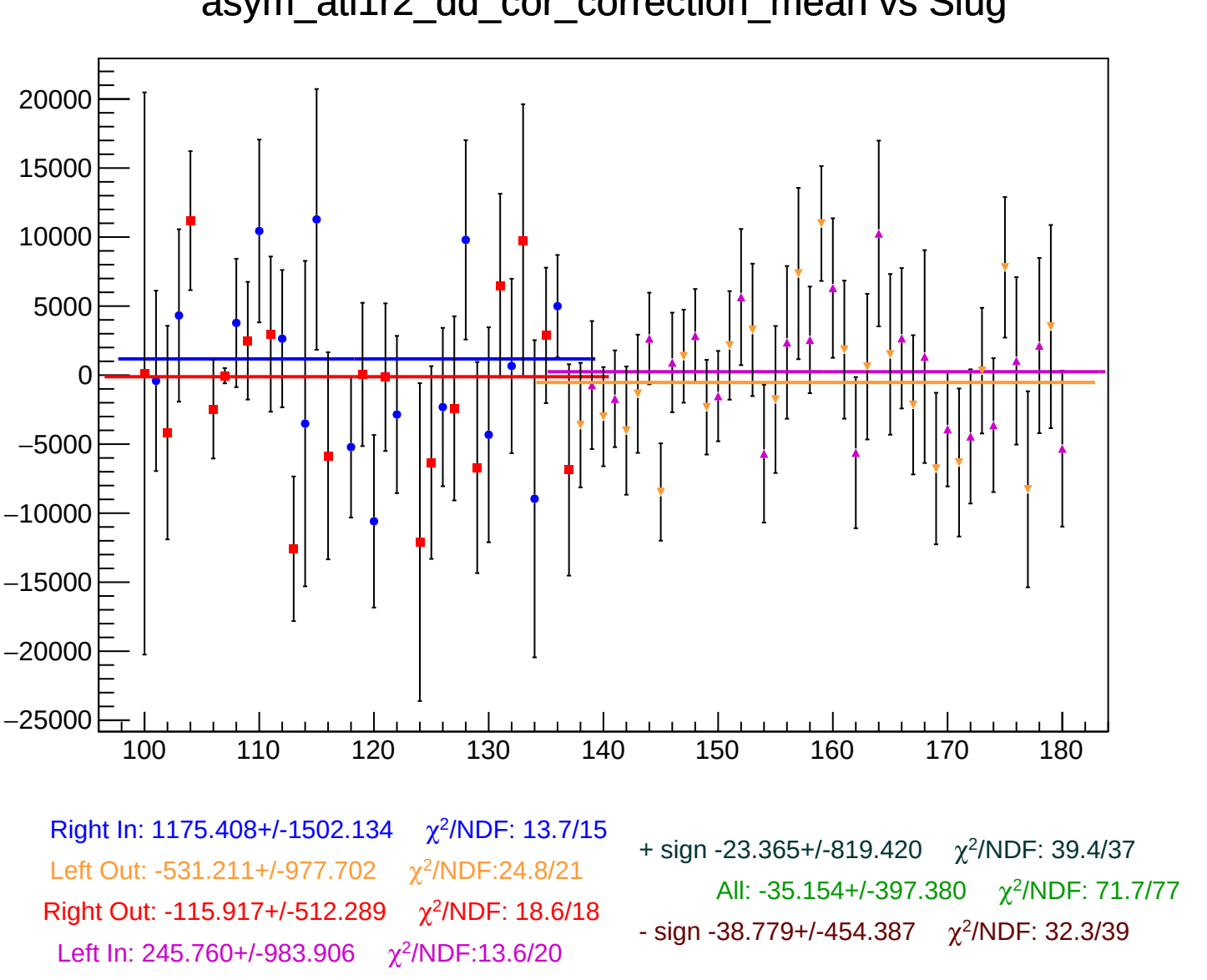
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1699.367+/-0.289 χ^2/NDF:20479.3/20

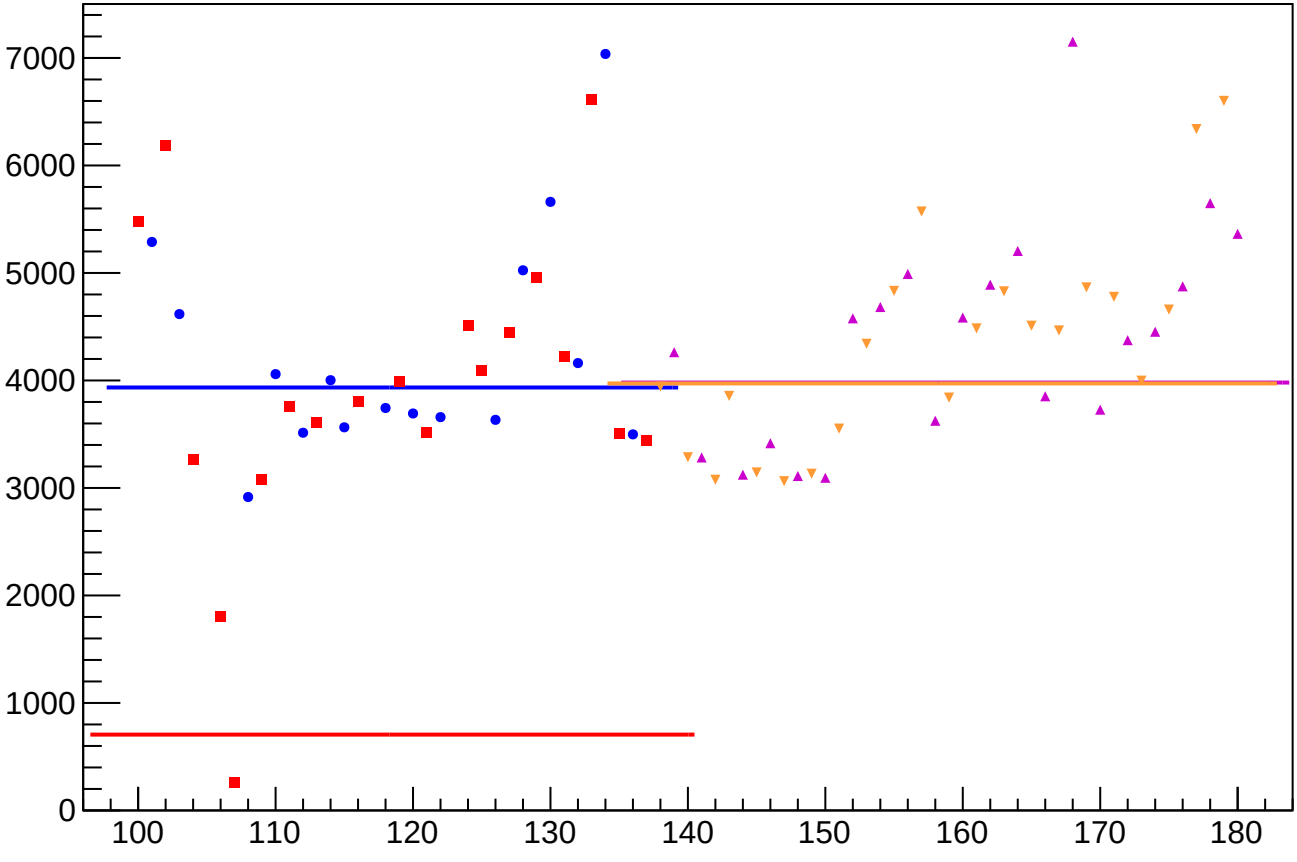
+ sign 1745.595+/-0.249 χ^2/NDF: 380858.7/37

All: 1746.524+/-0.177 χ^2/NDF: 869981.0/77

- sign 1747.461+/-0.250 χ^2/NDF: 489094.3/39


asym_atl1r2_dd_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -531.211+/-977.702 χ²/NDF:24.8/21
Right Out: -115.917+/-512.289 χ²/NDF: 18.6/18
Left In: 245.760+/-983.906 χ²/NDF:13.6/20
+ sign -23.365+/-819.420 χ²/NDF: 39.4/37
All: -35.154+/-397.380 χ²/NDF: 71.7/77
- sign -38.779+/-454.387 χ²/NDF: 32.3/39

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3972.236+/-0.691 χ^2/NDF:1468267.2/21

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

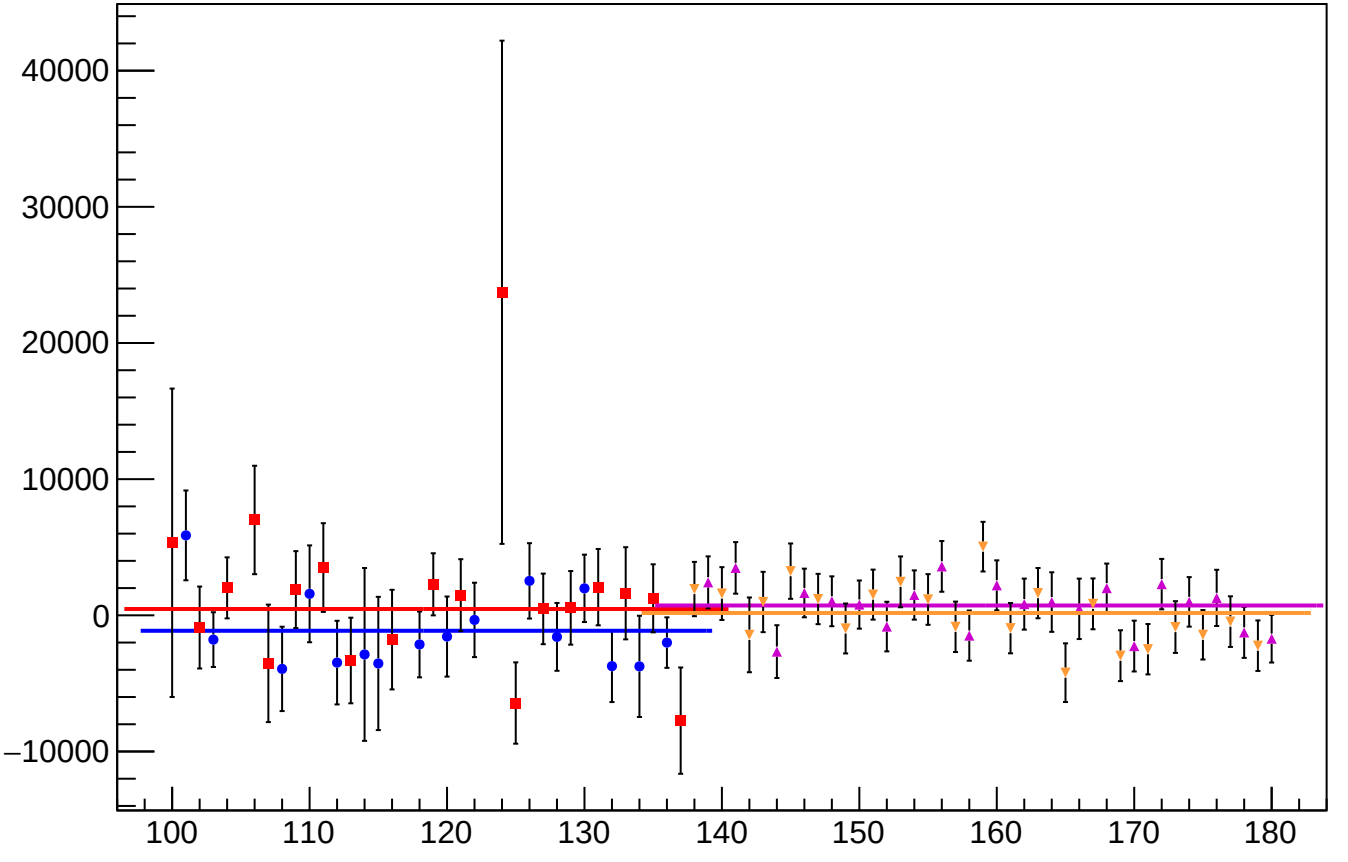
Left In: 3980.489+/-0.696 χ^2/NDF:1530216.6/20

+ sign 3961.074+/-0.579 χ^2/NDF: 2029293.0/37

All: 2005.428+/-0.281 χ^2/NDF: 46633024.3/7

- 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: 173.087+/-408.964 χ^2/NDF:27.5/21

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

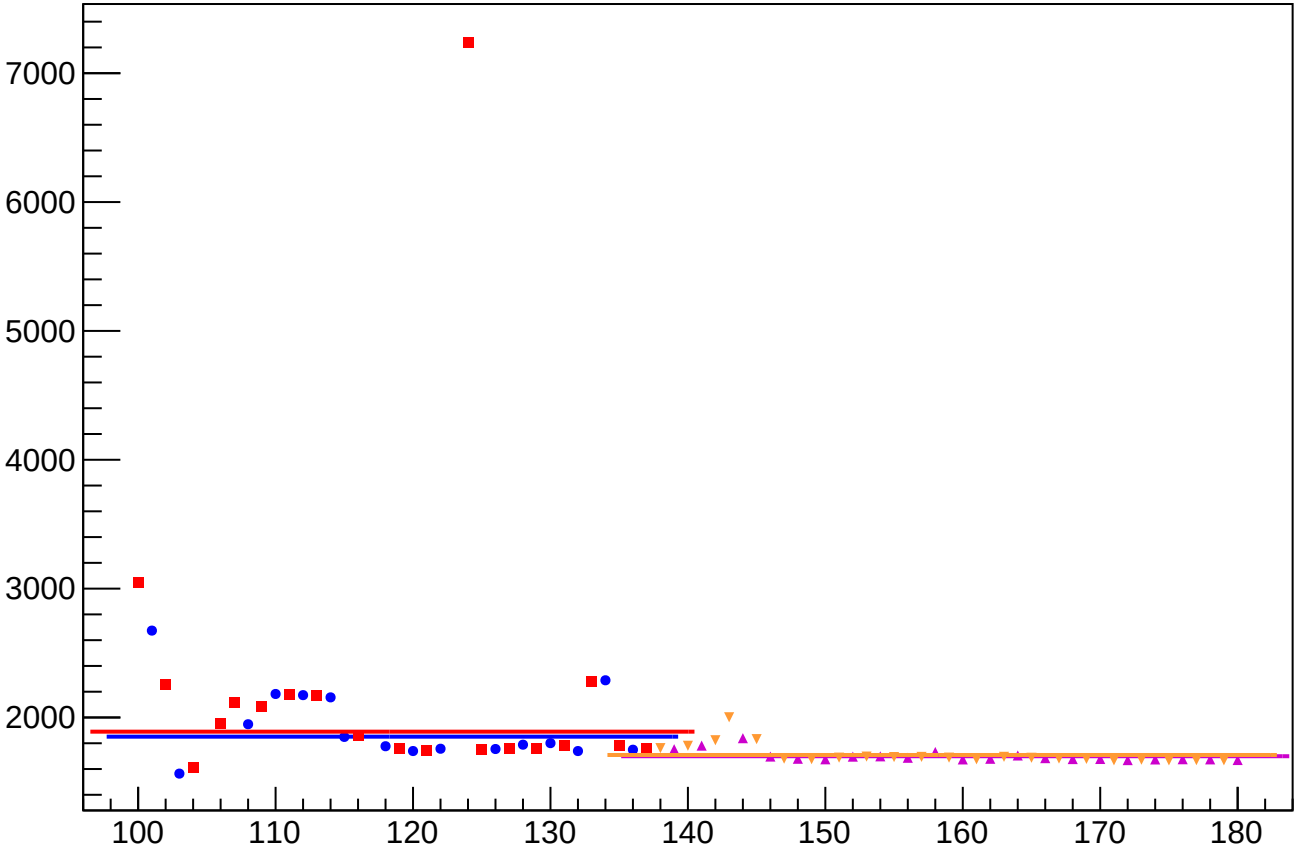
Left In: 722.499+/-409.217 χ^2/NDF:18.6/20

+ sign -164.026+/-352.310 χ^2/NDF: 42.4/37

All: 244.961+/-249.728 χ^2/NDF: 83.9/77

- 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: 1708.923+/-0.289 χ^2/NDF:58517.8/21

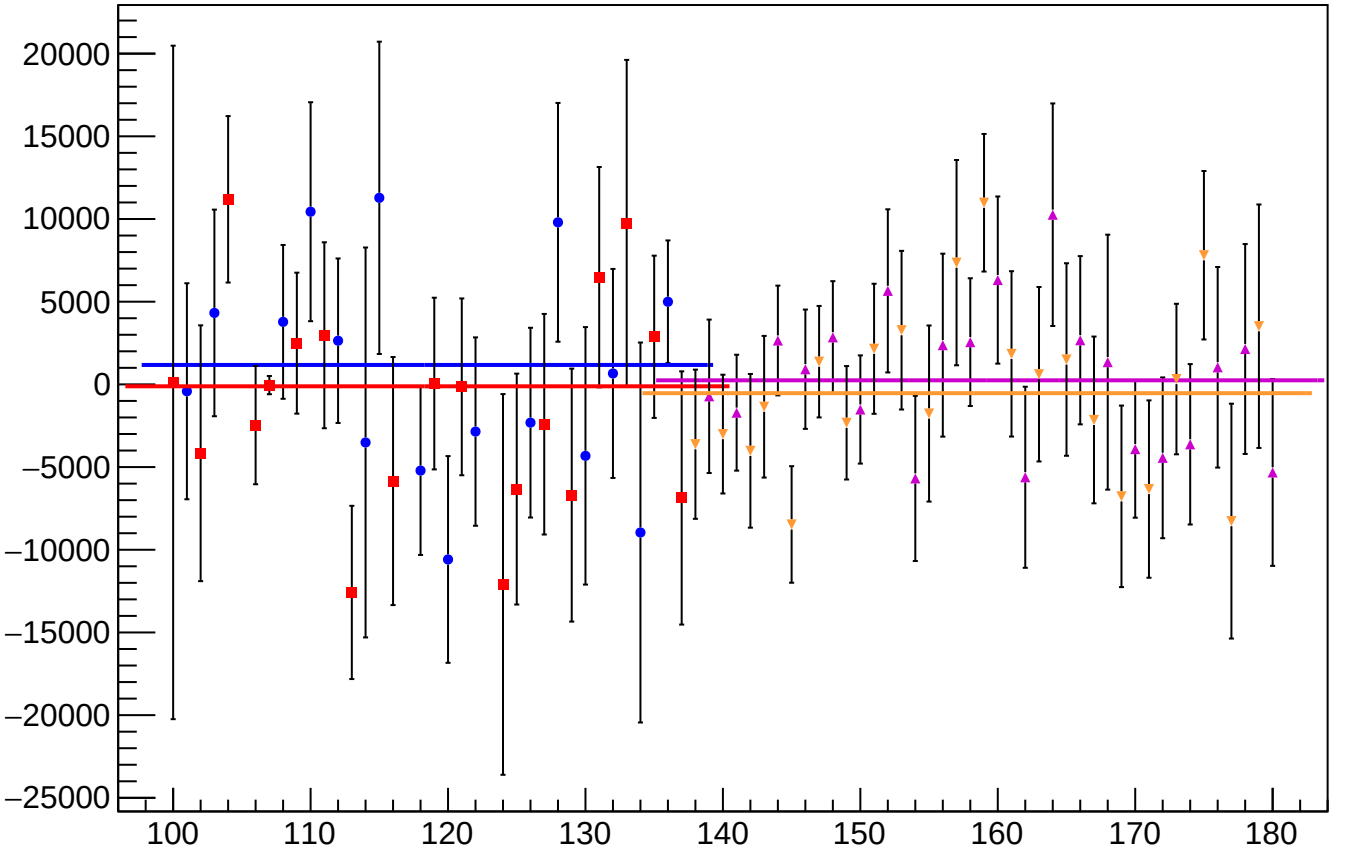
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1699.367+/-0.289 χ^2/NDF:20479.3/20

+ sign 1745.595+/-0.249 χ^2/NDF: 380858.7/37

All: 1746.524+/-0.177 χ^2/NDF: 869981.0/77

- 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: -531.211+/-977.702 χ^2/NDF:24.8/21

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

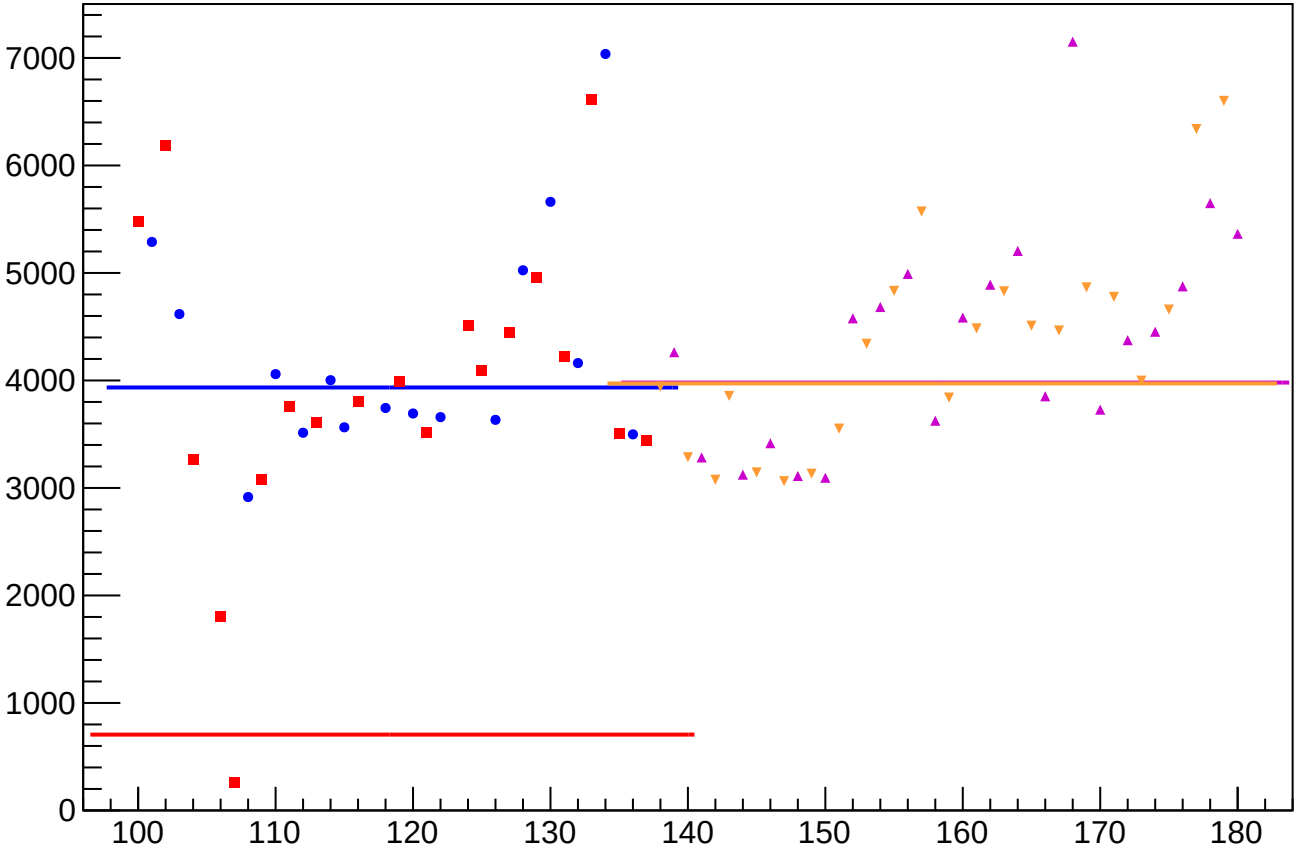
Left In: 245.760+/-983.906 χ^2/NDF:13.6/20

+ sign -23.365+/-819.420 χ^2/NDF: 39.4/37

All: -35.154+/-397.380 χ^2/NDF: 71.7/77

- 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: 3972.236+/-0.691 χ^2/NDF:1468267.2/21

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

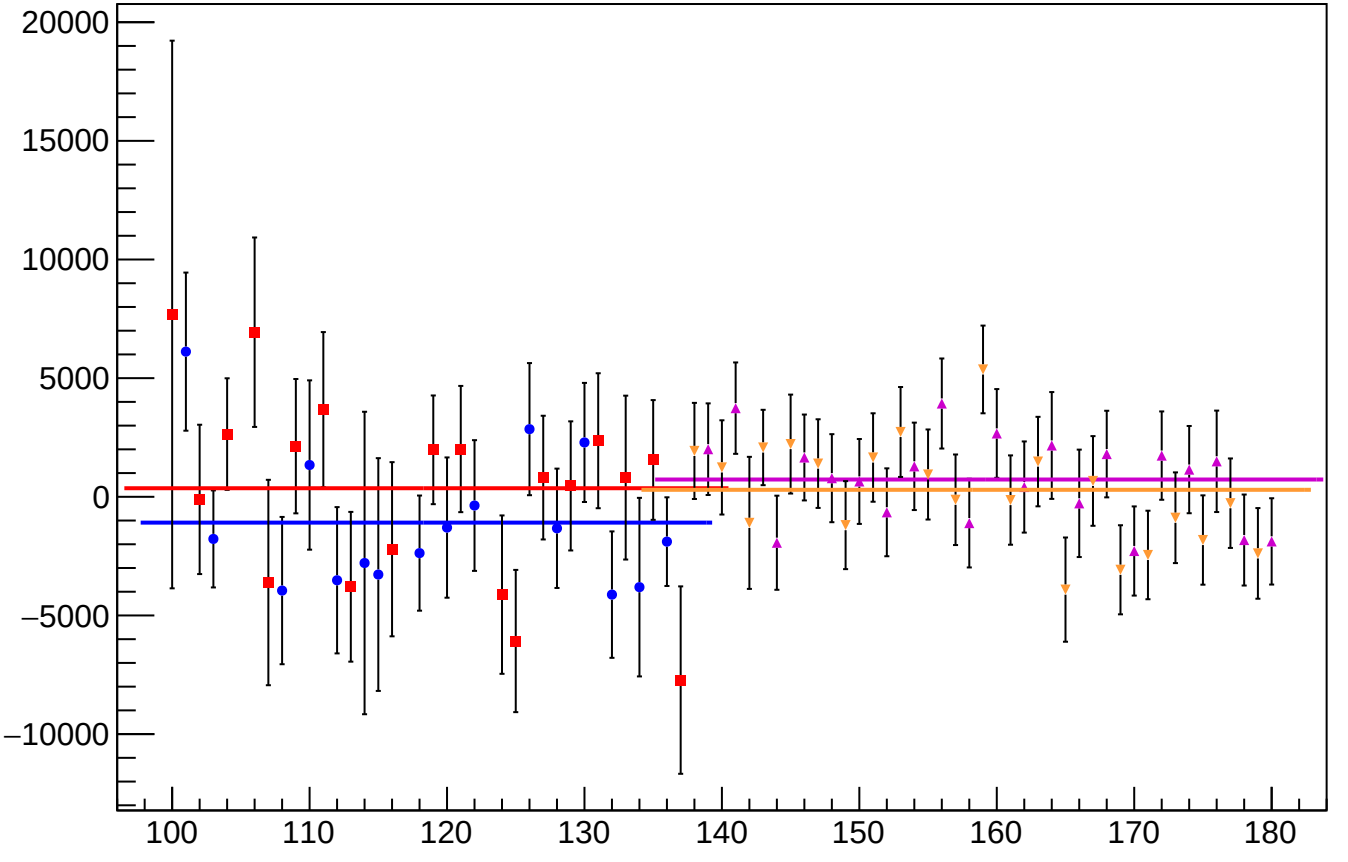
Left In: 3980.489+/-0.696 χ^2/NDF:1530216.6/20

\+ sign 3961.074+/-0.579 χ^2/NDF: 2029293.0/37

All: 2005.428+/-0.281 χ^2/NDF: 46633024.3/7

\- 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: 294.863+/-409.069 χ^2/NDF:27.4/21

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

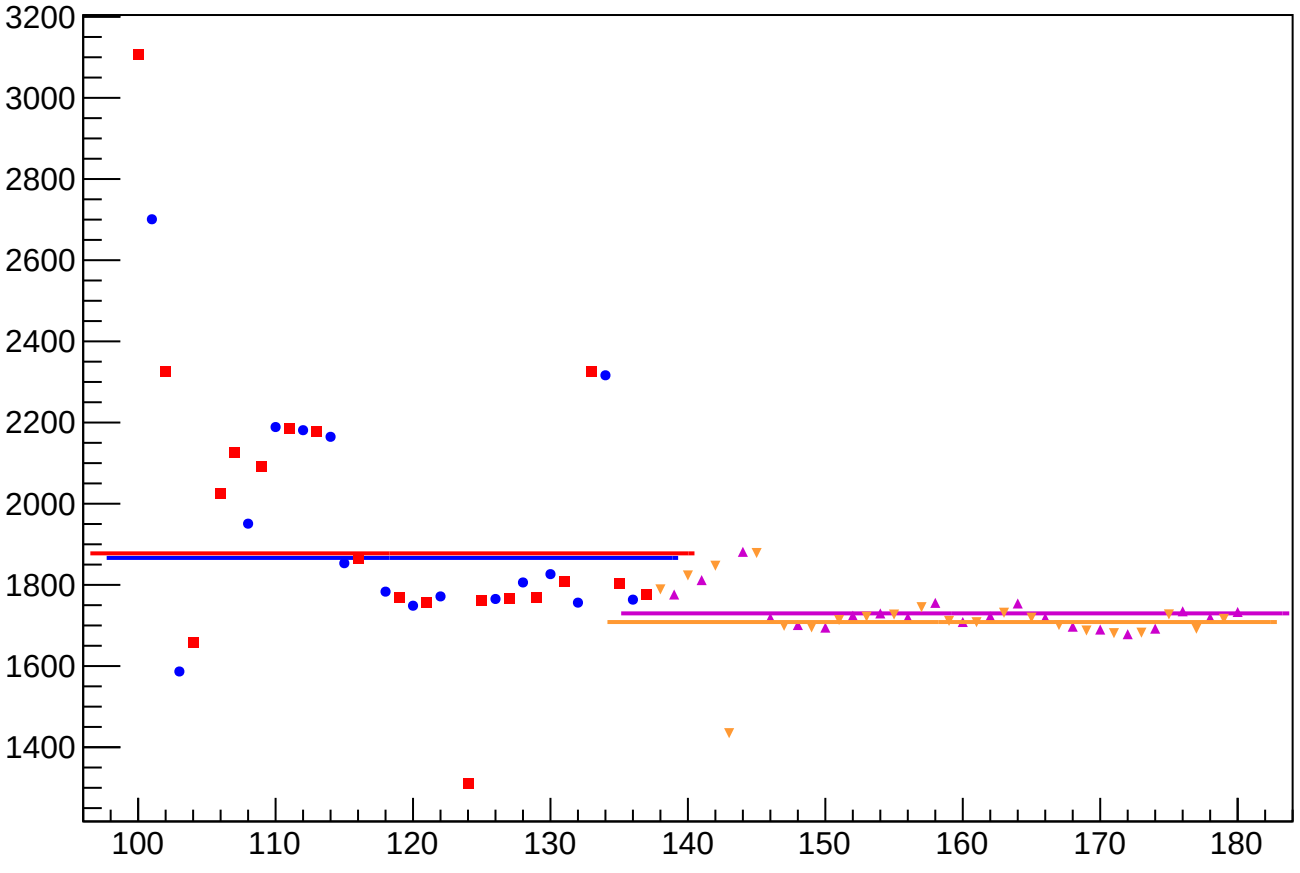
Left In: 728.778+/-416.589 χ^2/NDF:18.3/20

+ sign -57.418+/-353.129 χ^2/NDF: 43.5/37

All: 282.907+/-251.385 χ^2/NDF: 84.7/77

- 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: 1708.459+/-0.289 χ^2/NDF:90613.5/21

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

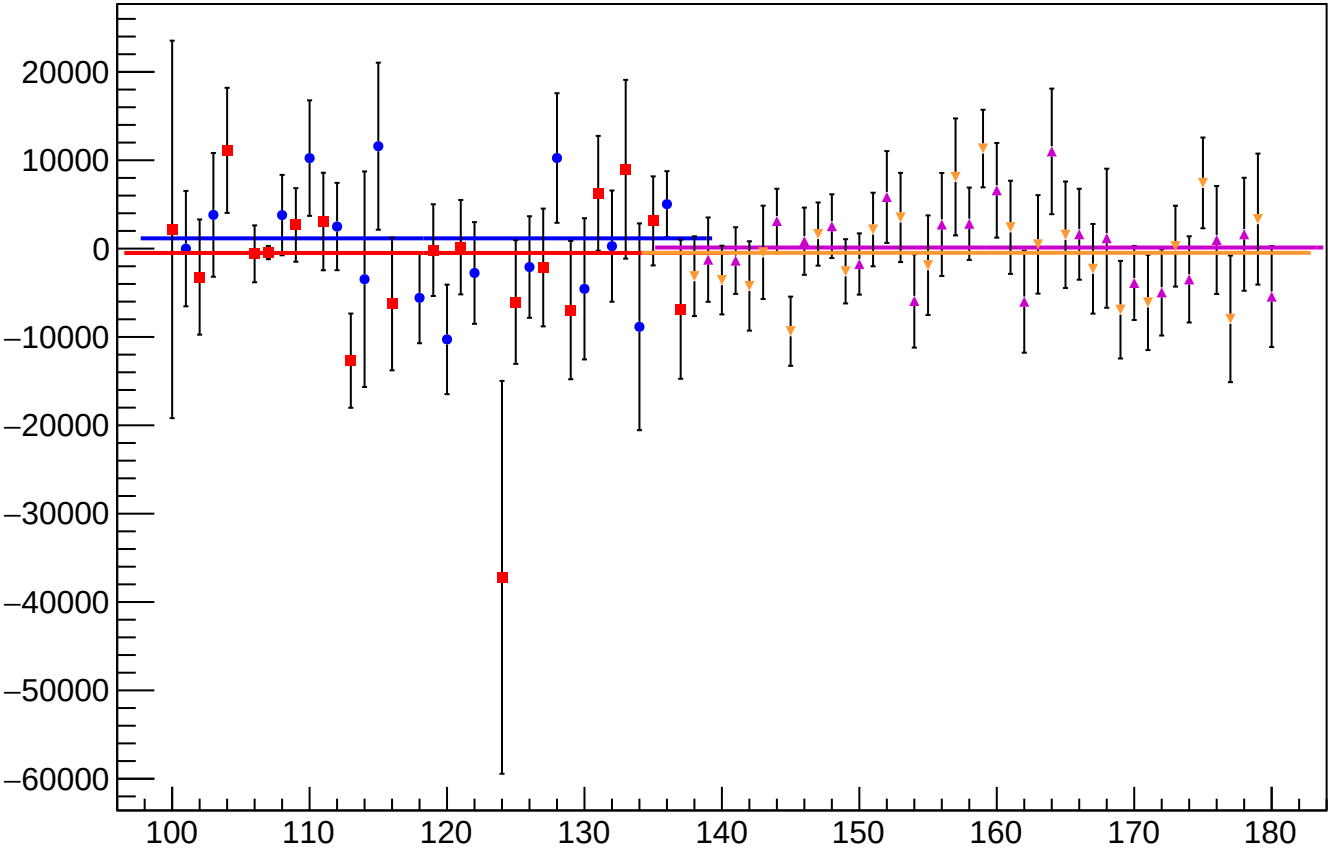
Left In: 1729.808+/-0.295 χ^2/NDF:22833.1/20

+ sign 1748.716+/-0.250 χ^2/NDF: 422896.0/37

All: 1758.502+/-0.178 χ^2/NDF: 766708.2/77

- 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: -475.629+/-1032.923 χ^2/NDF:24.1/21

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

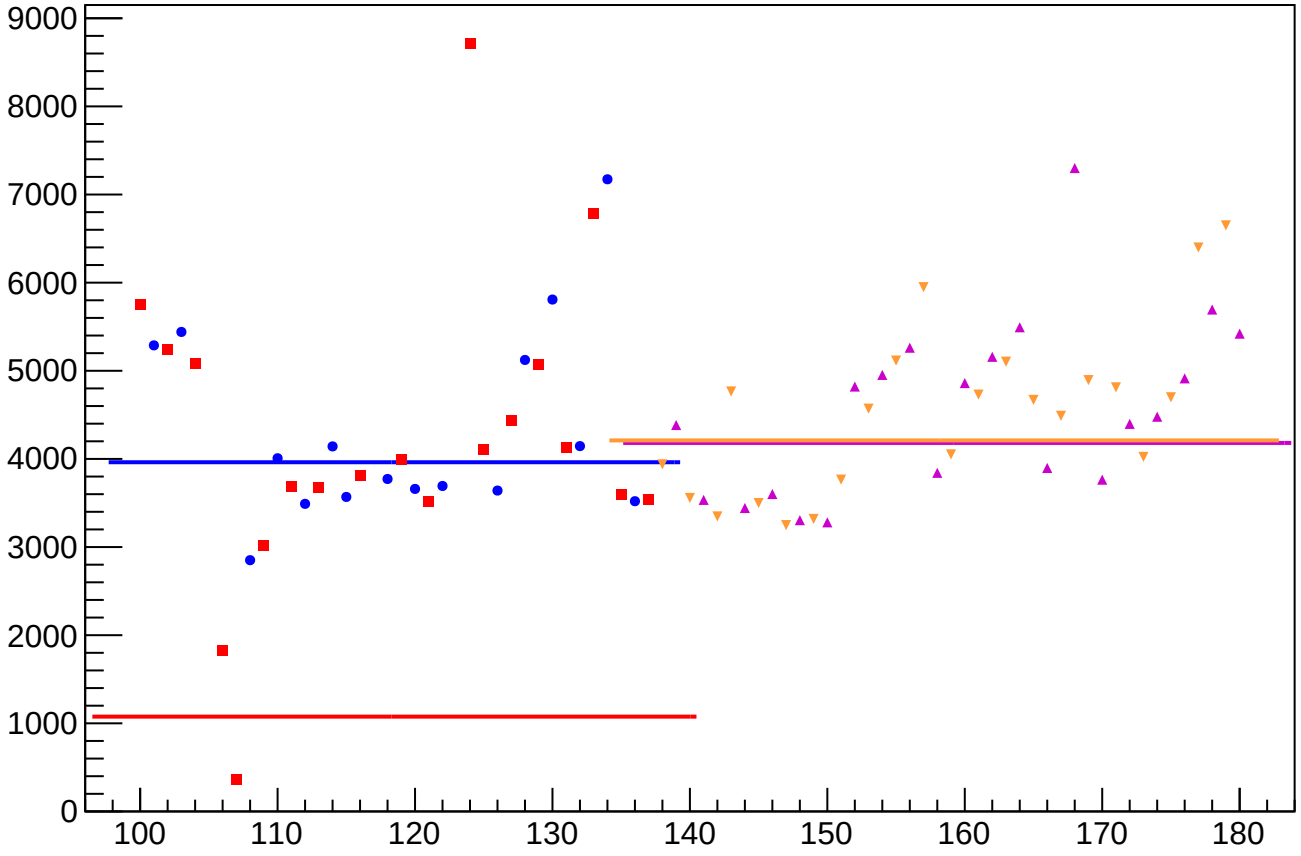
Left In: 123.054+/-1030.704 χ^2/NDF:13.4/20

+ sign 45.071+/-852.941 χ^2/NDF: 38.6/37

All: -207.466+/-465.144 χ^2/NDF: 69.3/77

- 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: 4209.993+/-0.730 χ^2/NDF:1268281.2/21

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

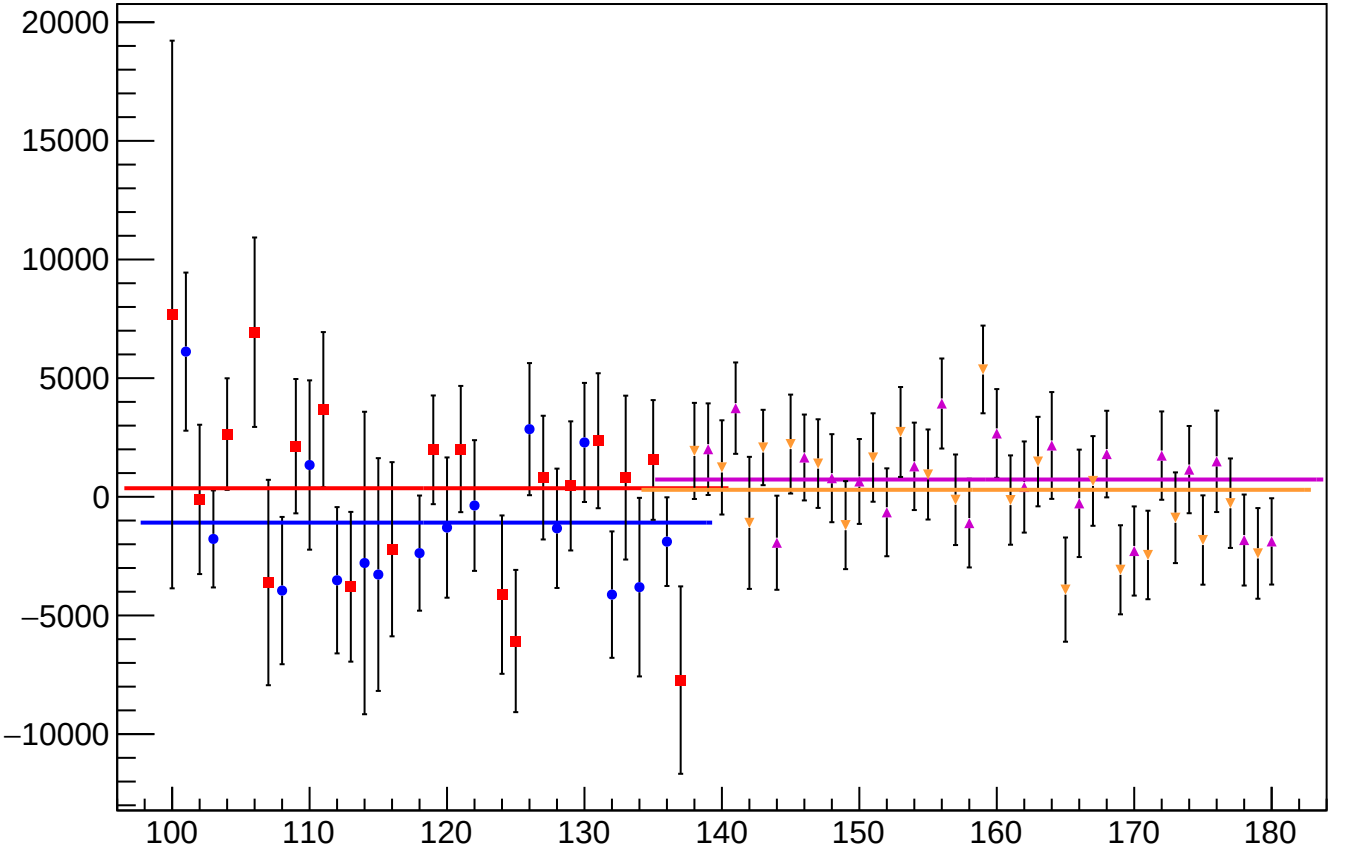
Left In: 4181.421+/-0.729 χ^2/NDF:1342784.0/20

+ sign 4131.216+/-0.603 χ^2/NDF: 1973187.6/37

All: 2617.044+/-0.329 χ^2/NDF: 34738207.2/7

- 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: 294.865+/-409.069 χ^2/NDF:27.4/21

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

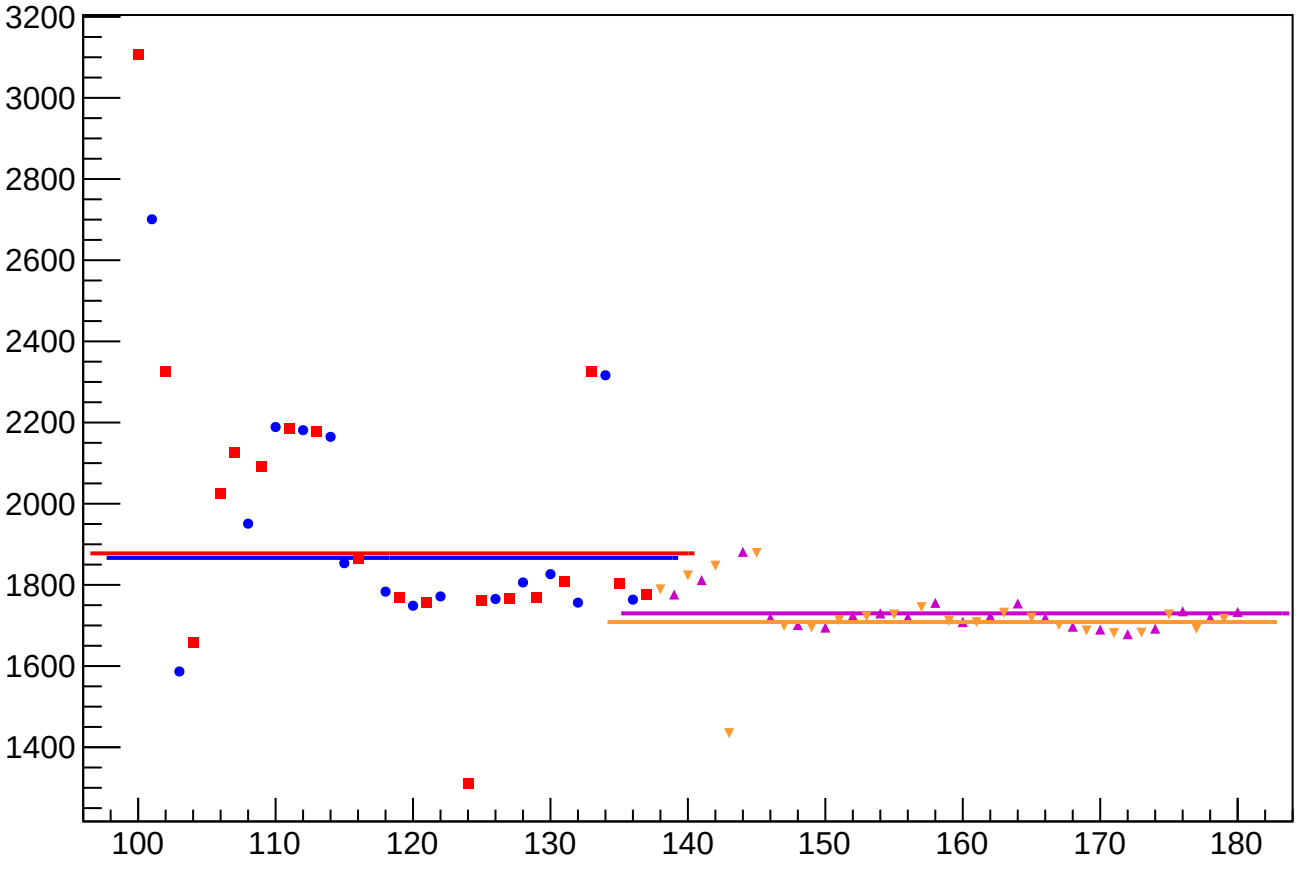
Left In: 728.778+/-416.589 χ^2/NDF:18.3/20

\+ sign -57.417+/-353.129 χ^2/NDF: 43.5/37

All: 282.908+/-251.385 χ^2/NDF: 84.7/77

\- 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: 1708.460+/-0.289 χ^2/NDF:90612.7/21

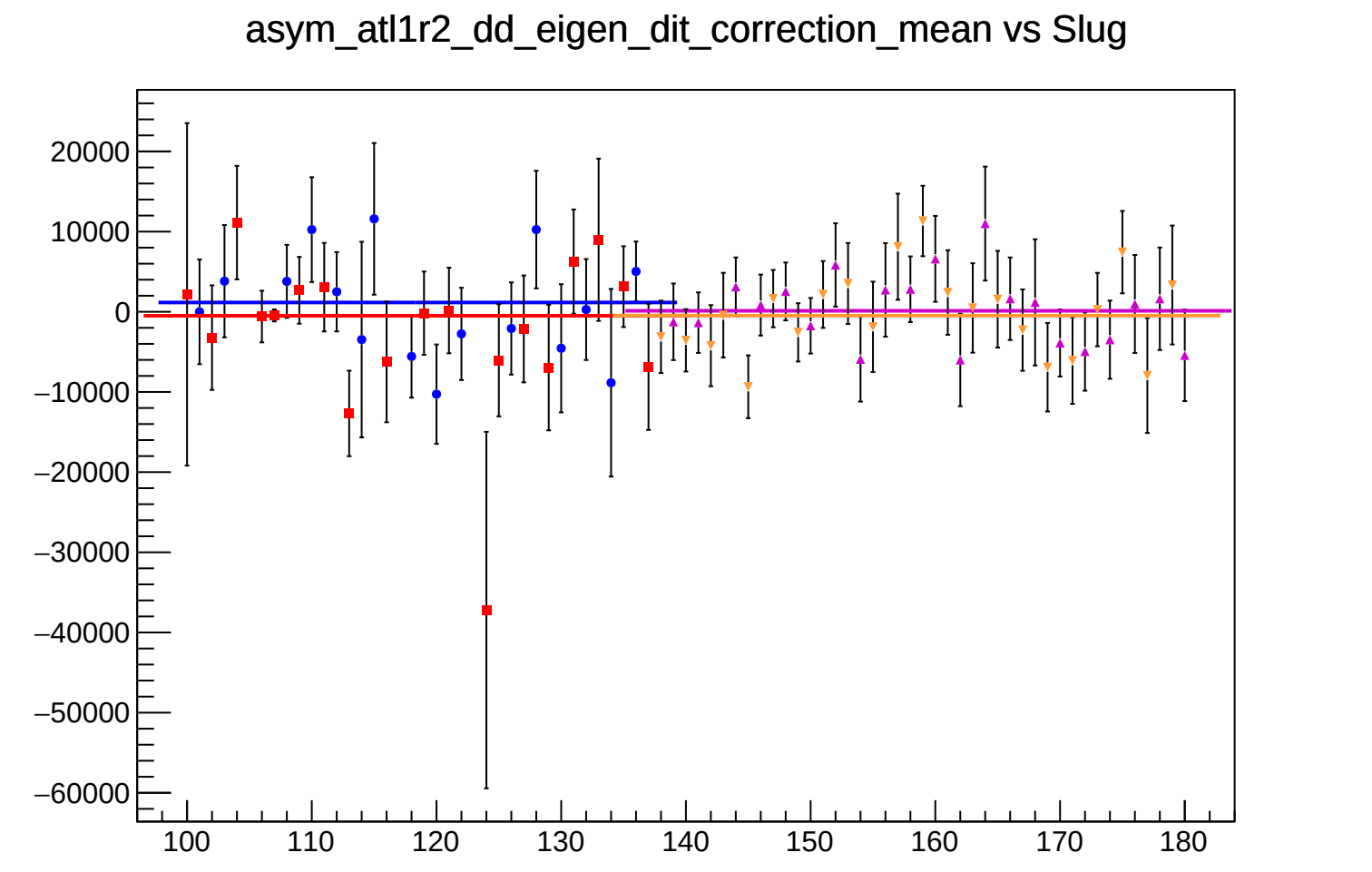
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1729.808+/-0.295 χ^2/NDF:22833.1/20

+ sign 1748.716+/-0.250 χ^2/NDF: 422894.3/37

All: 1758.502+/-0.178 χ^2/NDF: 766706.2/77

- 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: -475.630+/-1032.925 χ^2/NDF:24.1/21

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

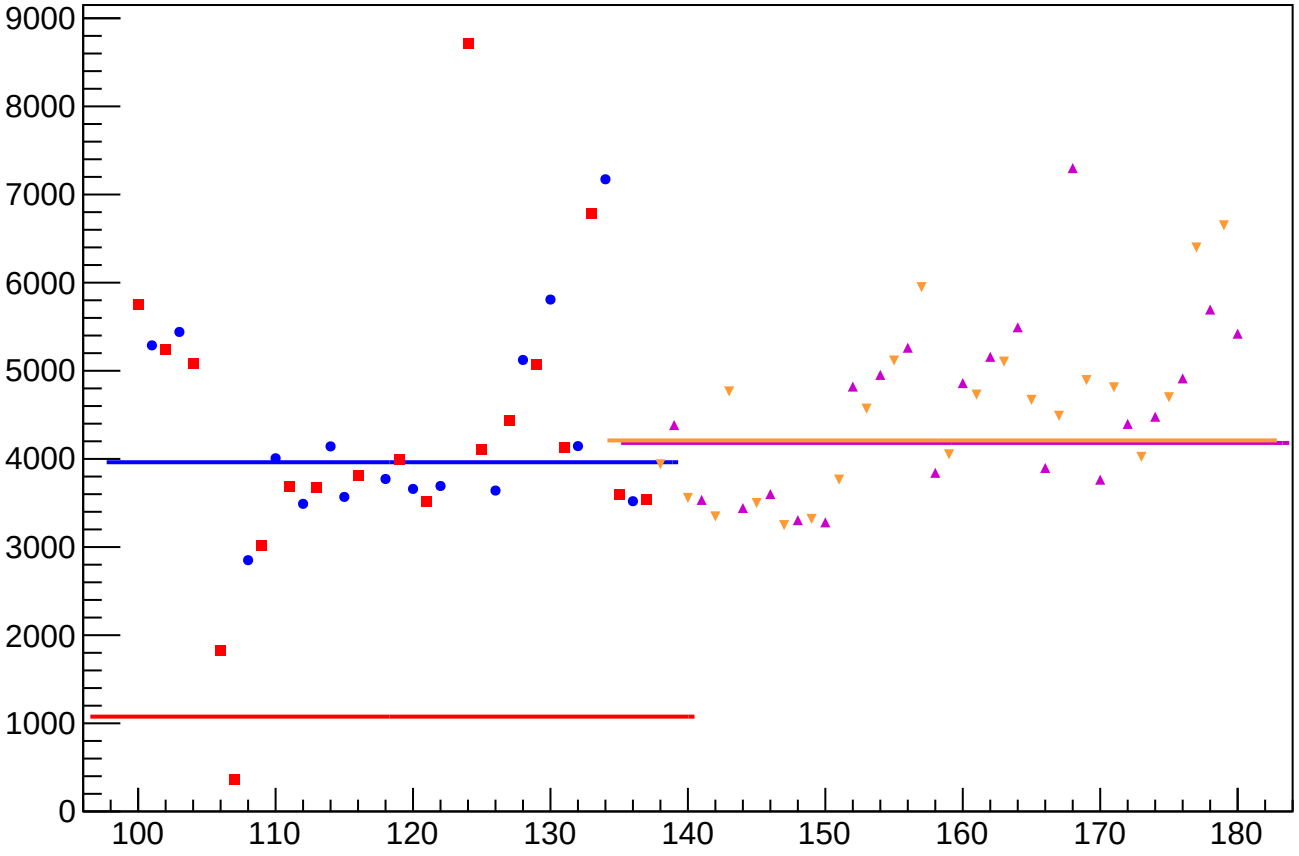
Left In: 123.053+/-1030.706 χ^2/NDF:13.4/20

+ sign 45.067+/-852.941 χ^2/NDF: 38.6/37

All: -207.467+/-465.148 χ^2/NDF: 69.3/77

- sign -314.362+/-554.930 χ^2/NDF: 30.6/39

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4209.998+/-0.730 χ^2/NDF:1268283.5/21

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

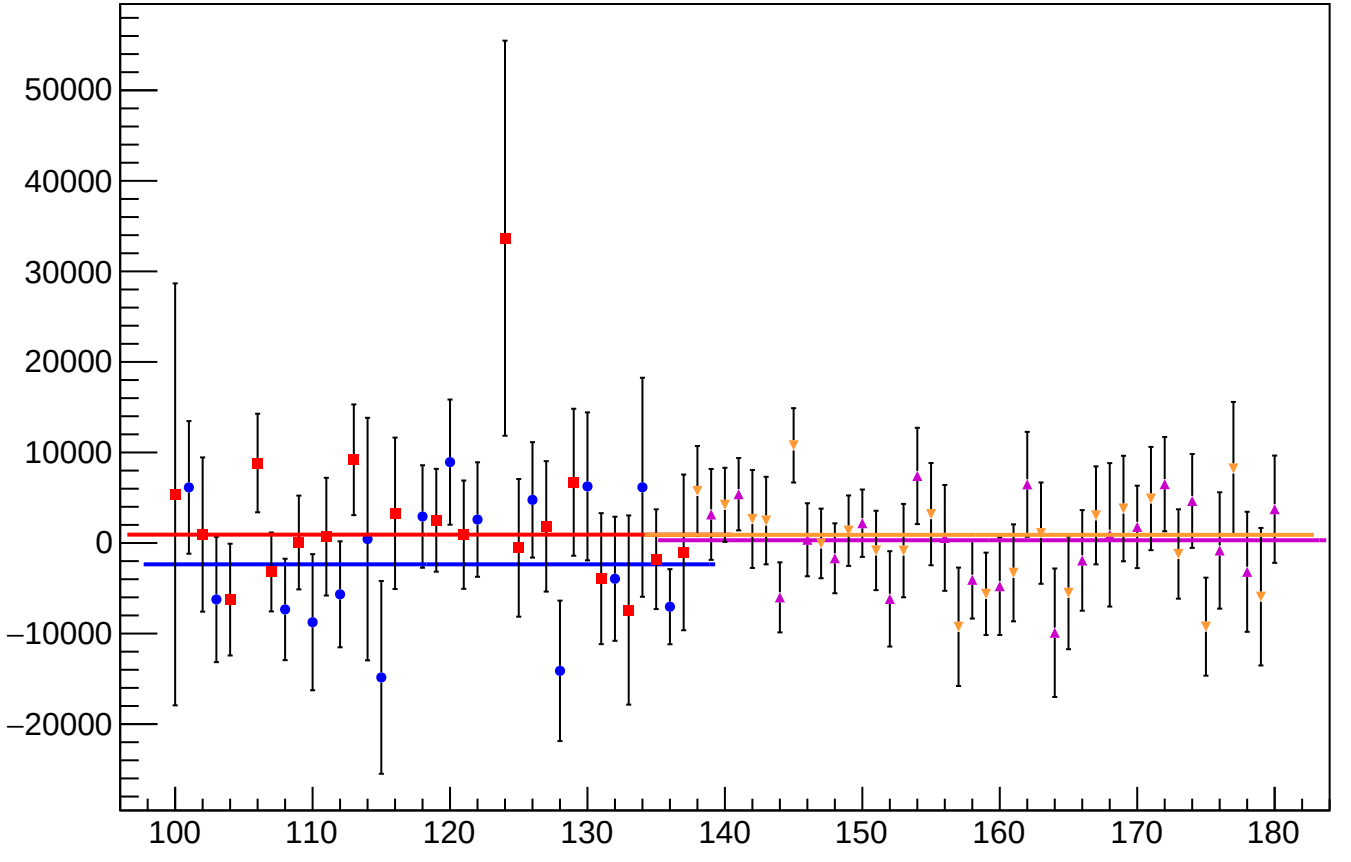
Left In: 4181.427+/-0.729 χ^2/NDF:1342789.0/20

+ sign 4131.217+/-0.603 χ^2/NDF: 1973189.9/37

All: 2617.085+/-0.329 χ^2/NDF: 34737318.1/7

- sign 1976.168+/-0.392 χ^2/NDF: 23793703.8/39

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 902.627+/-1077.781 χ^2/NDF:20.7/21

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

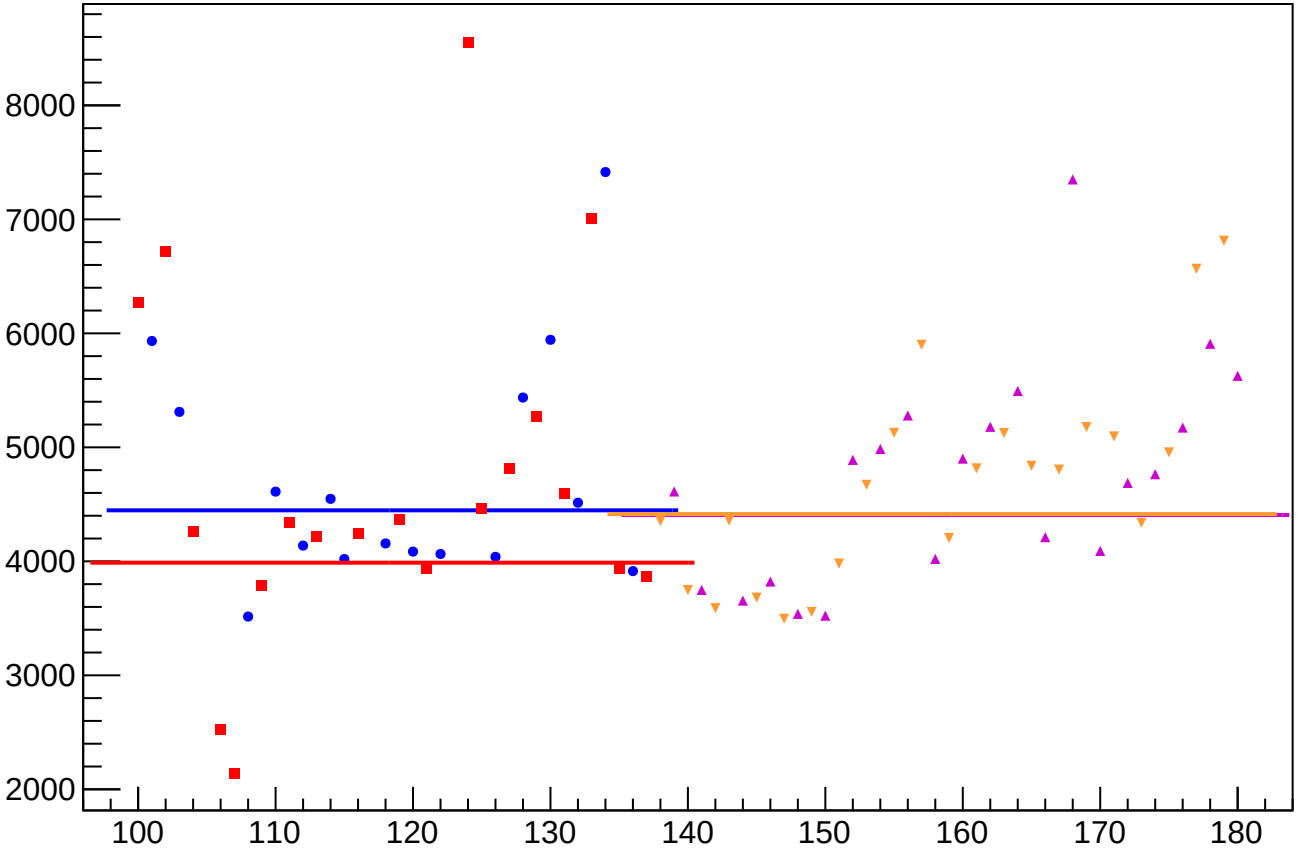
Left In: 304.984+/-1081.214 χ^2/NDF:16.6/20

+ sign -43.329+/-907.902 χ^2/NDF: 38.9/37

All: 239.230+/-634.171 χ^2/NDF: 66.3/77

- 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: 4414.653+/-0.762 χ^2/NDF:1056350.7/21

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

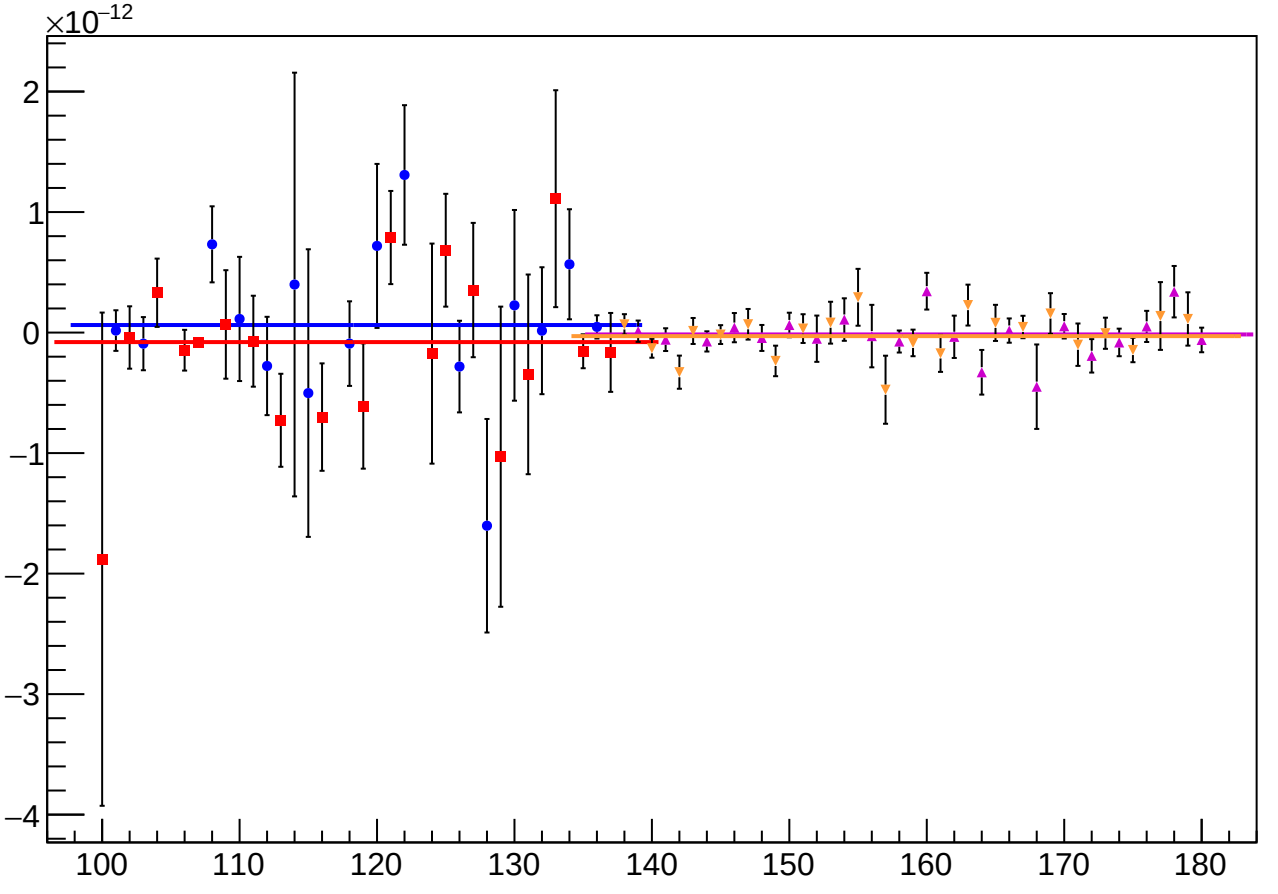
Left In: 4406.321+/-0.765 χ^2/NDF:1108955.6/20

+ sign 4424.169+/-0.642 χ^2/NDF: 1515138.9/37

All: 4343.561+/-0.448 χ^2/NDF: 3898174.6/77

- 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:24.3/21

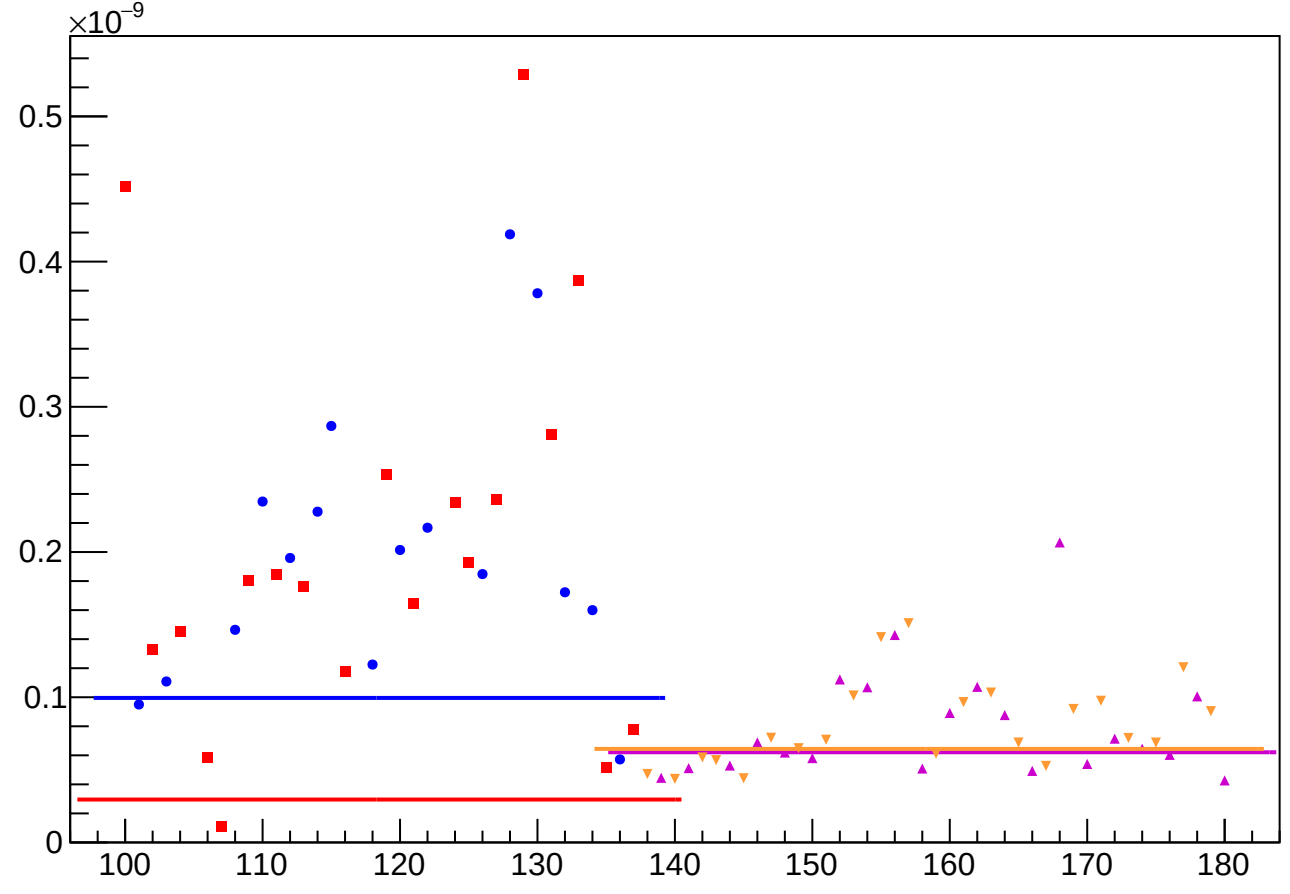
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 43.3/37

All: -0.000+/-0.000 χ^2/NDF: 84.4/77

- sign -0.000+/-0.000 χ^2/NDF: 40.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1343268.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

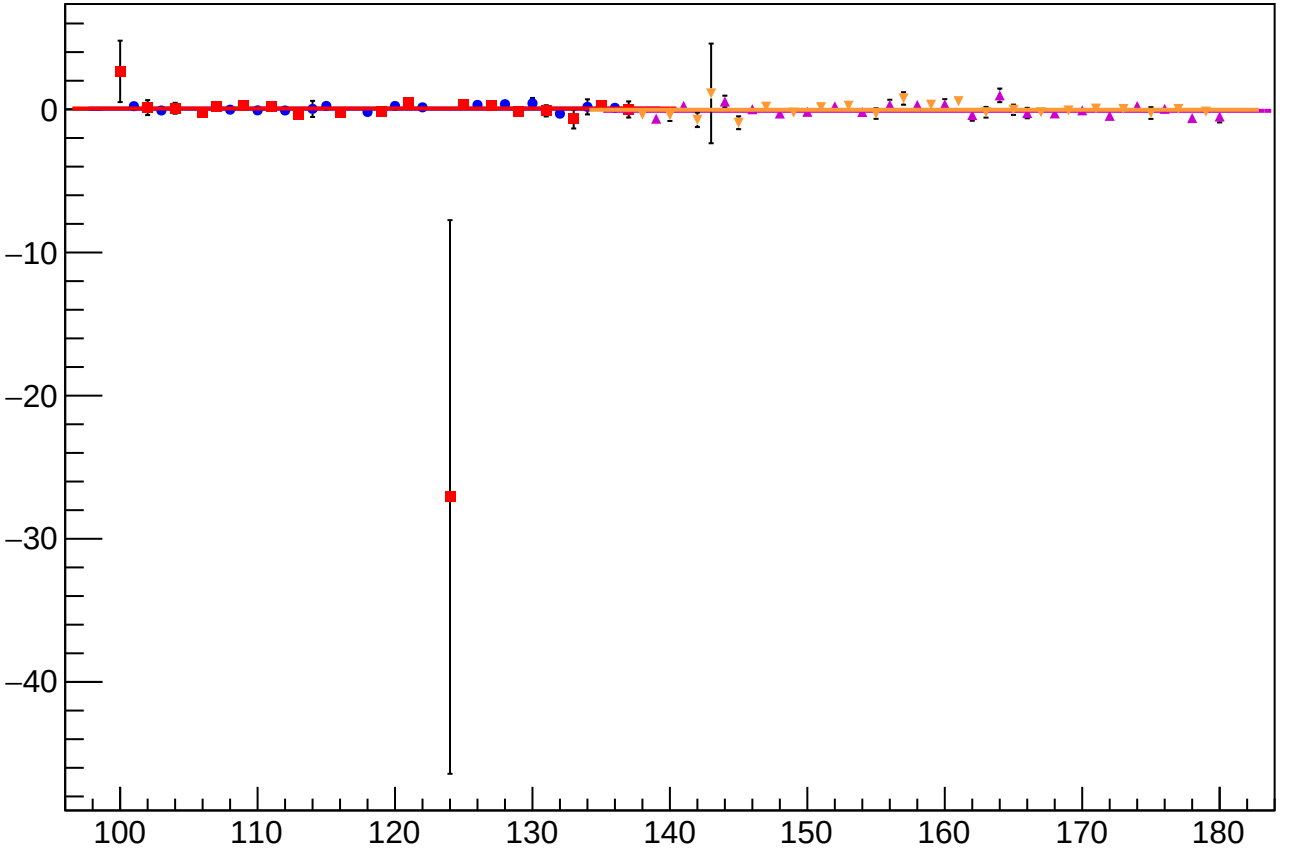
Left In: 0.000+/-0.000 χ^2/NDF:1394267.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 3368267.6/37

All: 0.000+/-0.000 χ^2/NDF: 11036669.5/77

- sign 0.000+/-0.000 χ^2/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: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

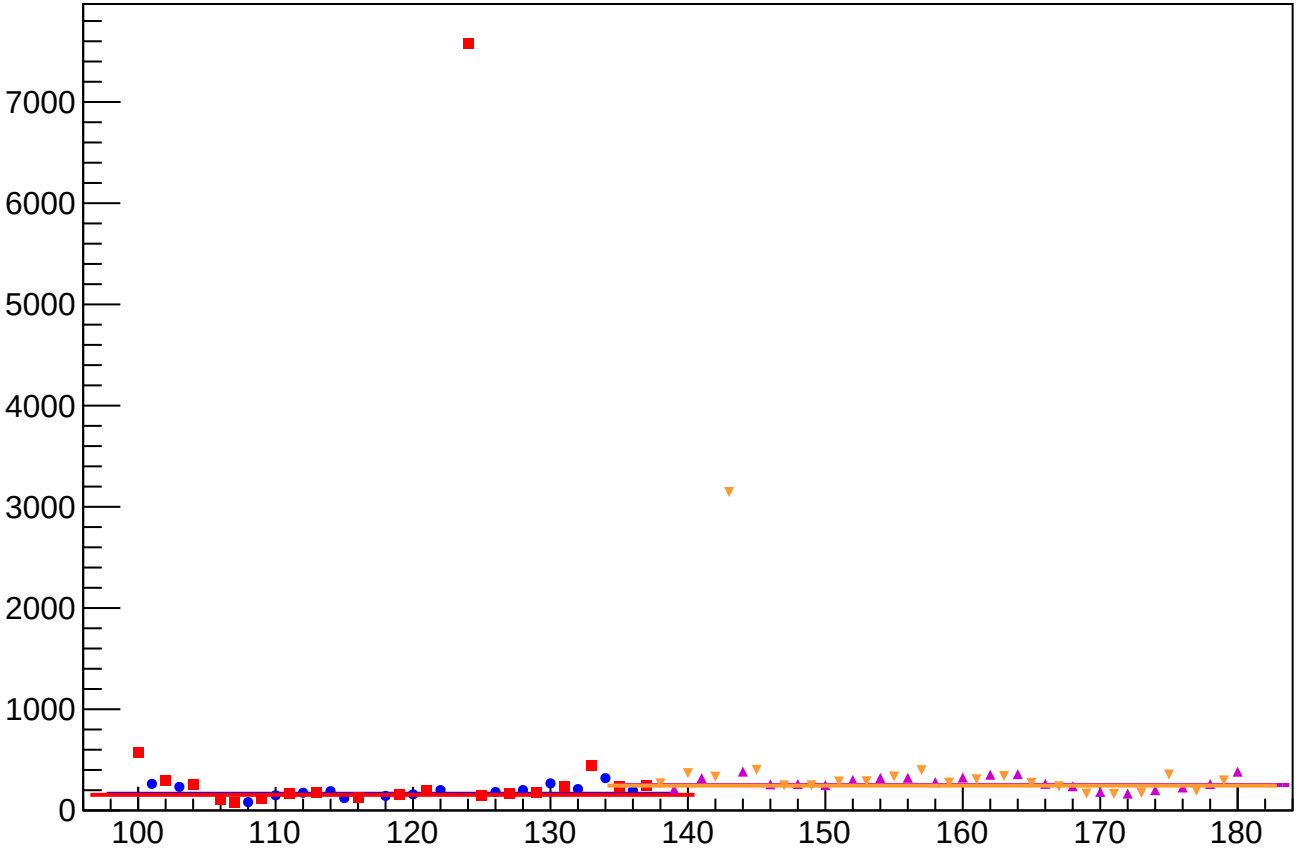
Left In: -0.102+/-0.064 χ^2/NDF:31.0/20

+ sign 0.009+/-0.046 χ^2/NDF: 28.3/37

All: -0.006+/-0.032 χ^2/NDF: 81.2/77

- 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: 245.289+/-0.045 χ^2/NDF:3828544.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

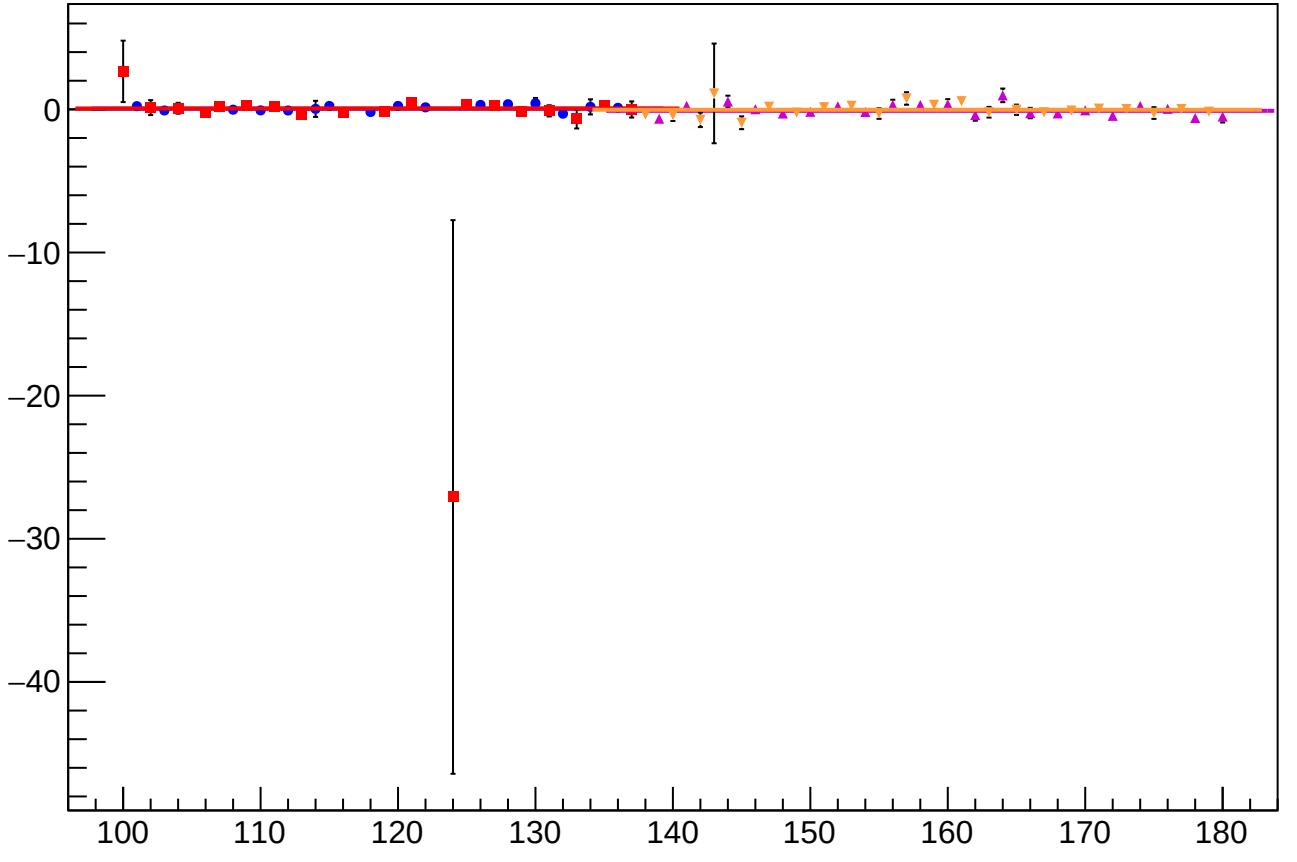
Left In: 251.670+/-0.045 χ^2/NDF:1842584.6/20

+ sign 206.974+/-0.032 χ^2/NDF: 6839360.3/37

All: 205.204+/-0.023 χ^2/NDF: 12911657.8/77

- sign 203.473+/-0.032 χ^2/NDF: 6066398.0/39

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

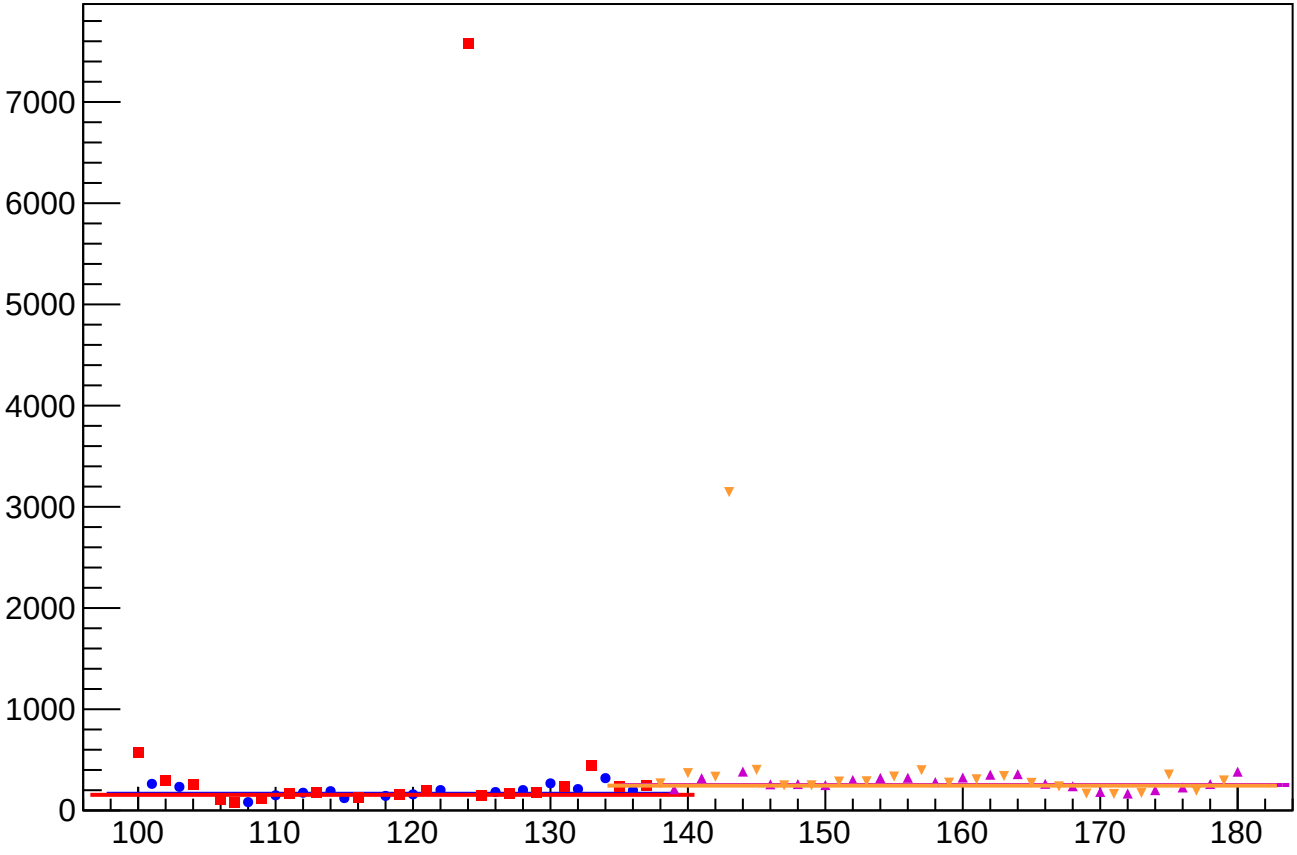
Left In: -0.102+/-0.064 χ^2/NDF:31.0/20

+ sign 0.009+/-0.046 χ^2/NDF: 28.3/37

All: -0.006+/-0.032 χ^2/NDF: 81.2/77

- 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: 245.289+/-0.045 χ^2/NDF:3828544.4/21

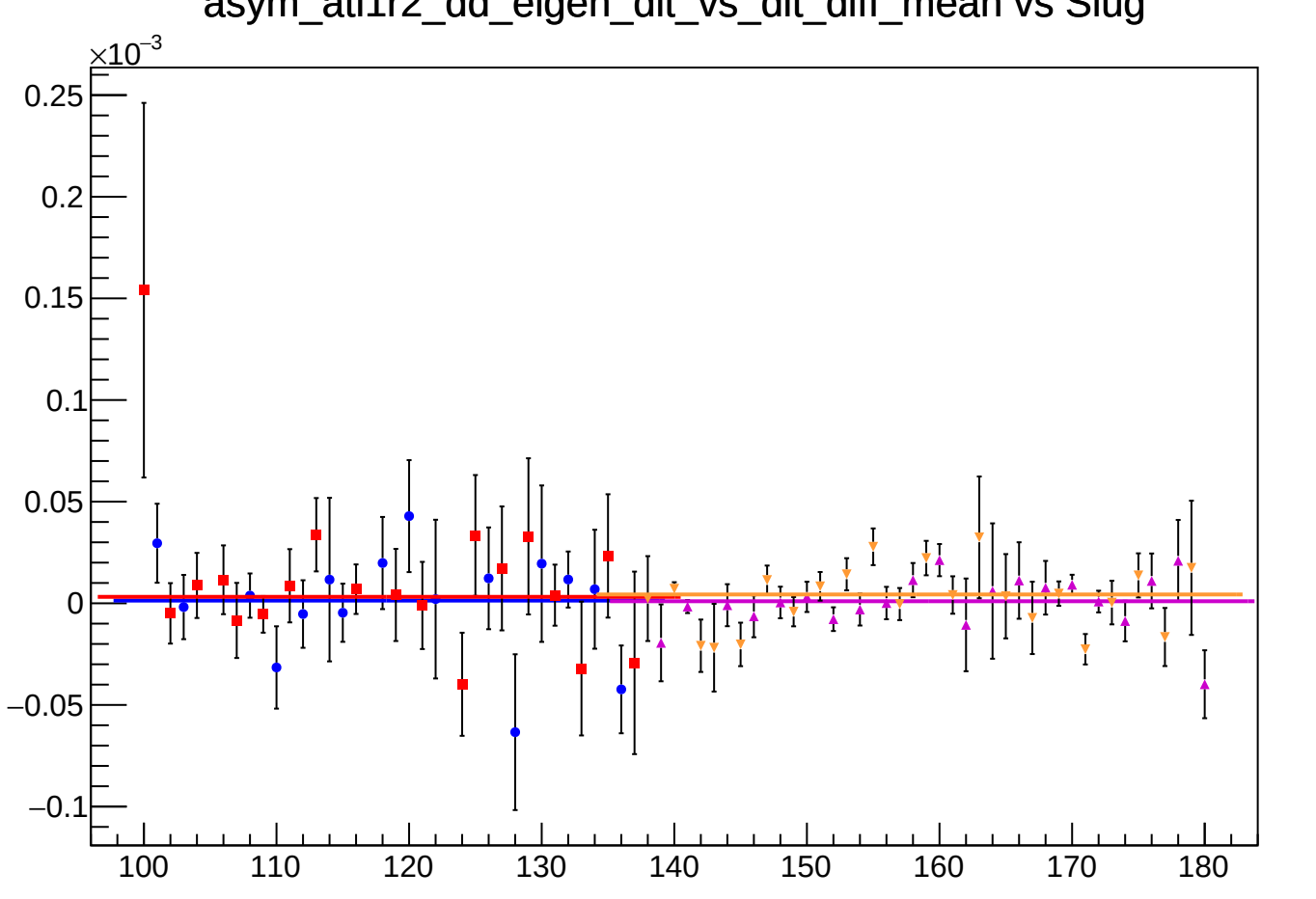
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 251.670+/-0.045 χ^2/NDF:1842584.6/20

+ sign 206.974+/-0.032 χ^2/NDF: 6839360.3/37

All: 205.204+/-0.023 χ^2/NDF: 12911657.8/77

- 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:44.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

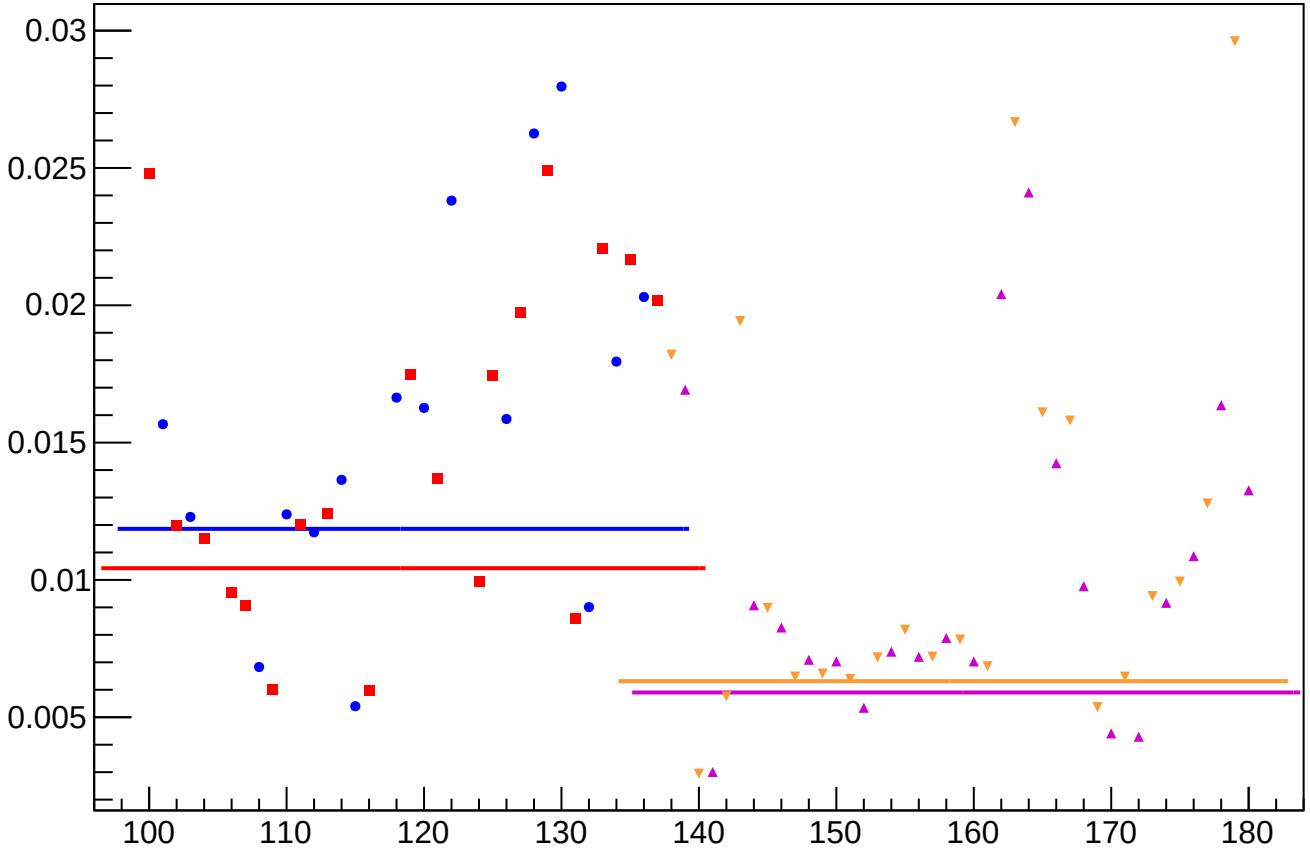
Left In: 0.000+/-0.000 χ^2/NDF:25.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 61.2/37

All: 0.000+/-0.000 χ^2/NDF: 102.5/77

- 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:7714935.0/21

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

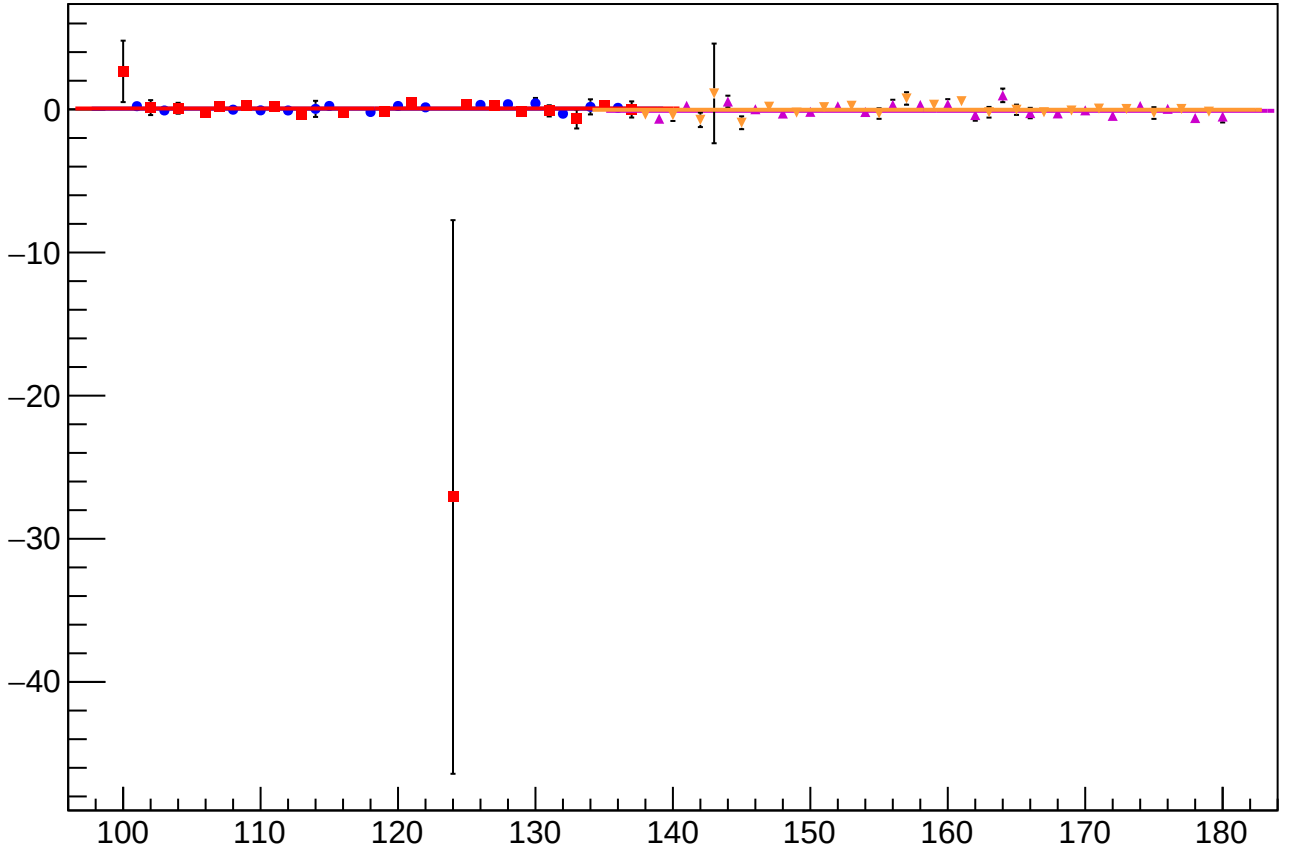
Left In: 0.006+/-0.000 χ^2/NDF:6748138.2/20

+ sign 0.007+/-0.000 χ^2/NDF: 12410961.8/37

All: 0.007+/-0.000 χ^2/NDF: 23561189.0/77

- 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: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

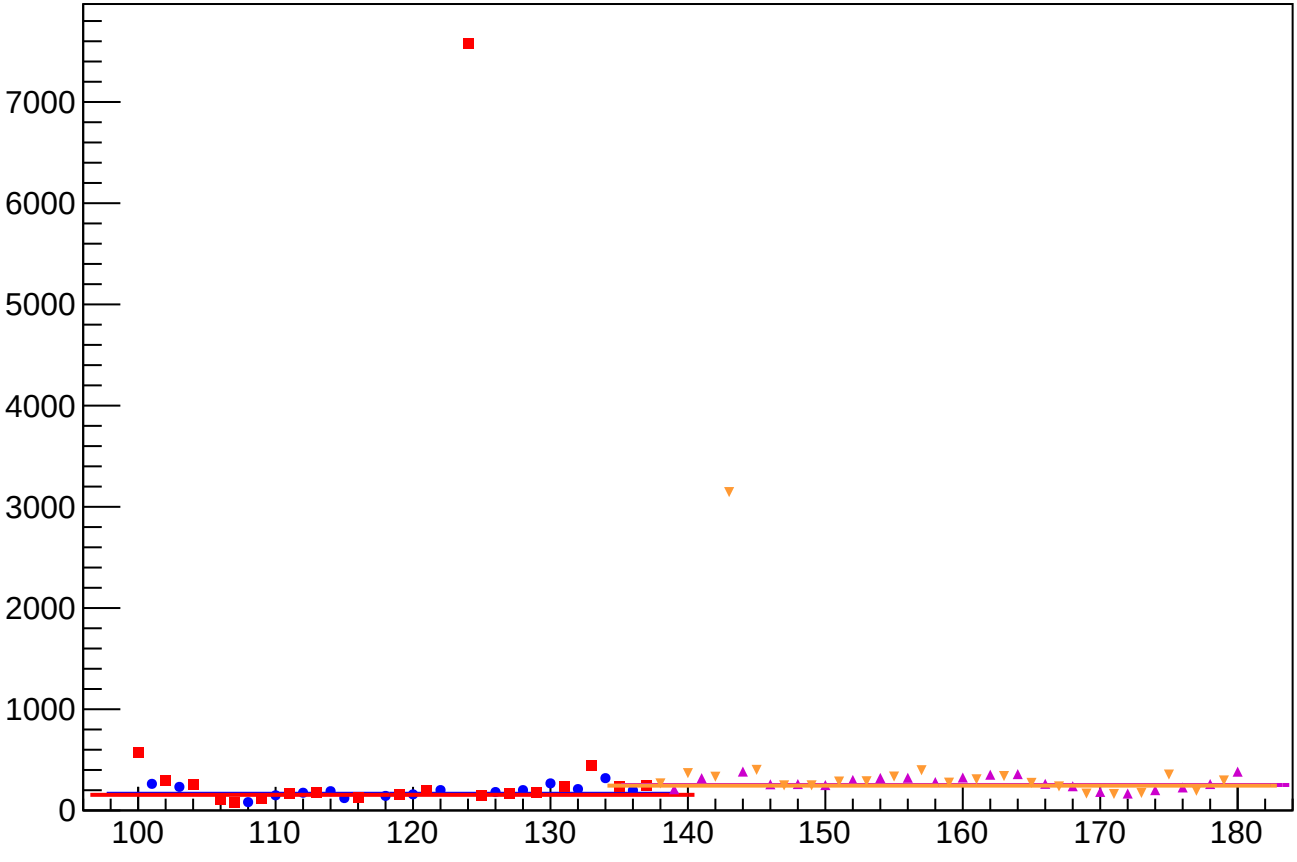
Left In: -0.102+/-0.064 χ^2/NDF:31.0/20

+ sign 0.009+/-0.046 χ^2/NDF: 28.3/37

All: -0.006+/-0.032 χ^2/NDF: 81.2/77

- 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: 245.290+/-0.045 χ^2/NDF:3828644.4/21

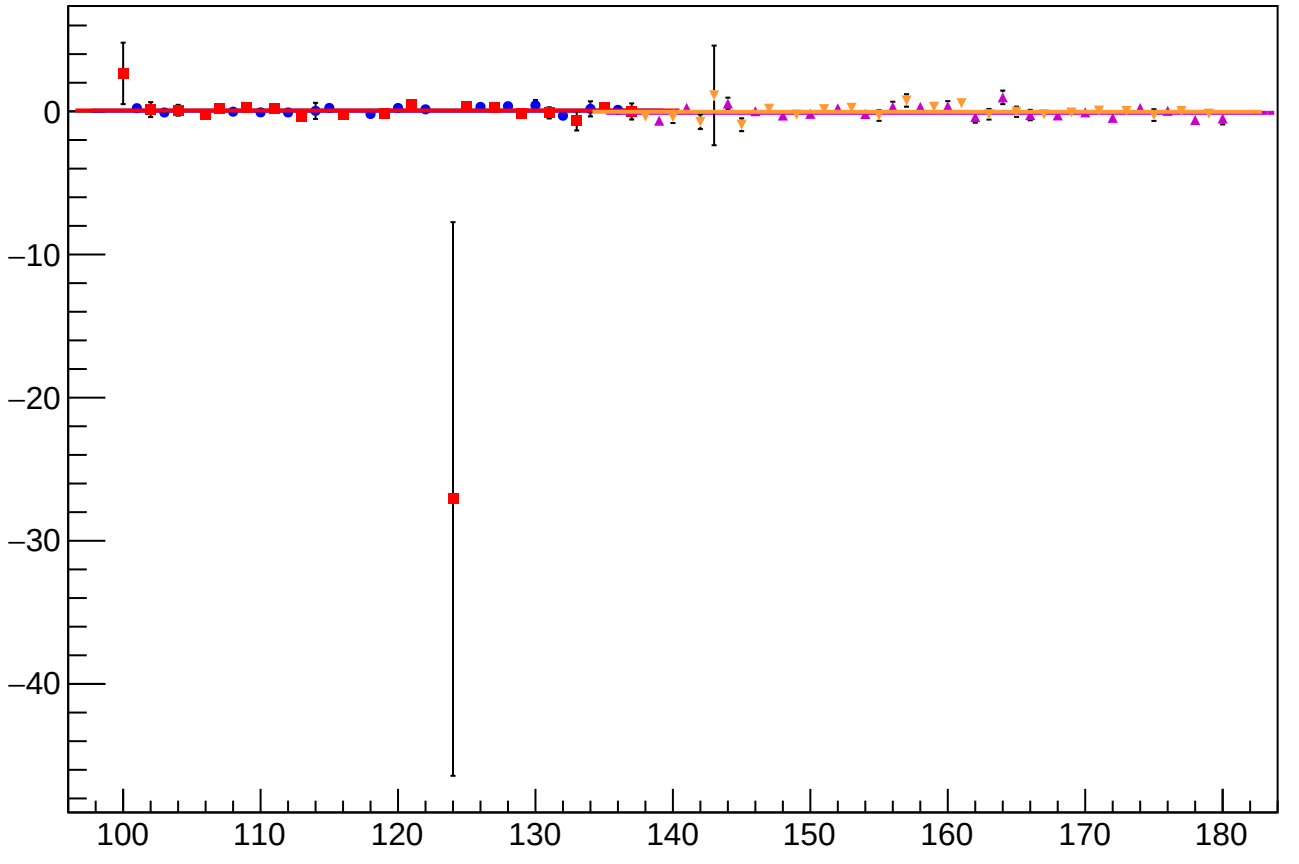
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 251.672+/-0.045 χ^2/NDF:1842625.7/20

+ sign 206.975+/-0.032 χ^2/NDF: 6839492.7/37

All: 205.205+/-0.023 χ^2/NDF: 12911958.5/77

- 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: -0.028+/-0.063 χ^2/NDF:20.0/21

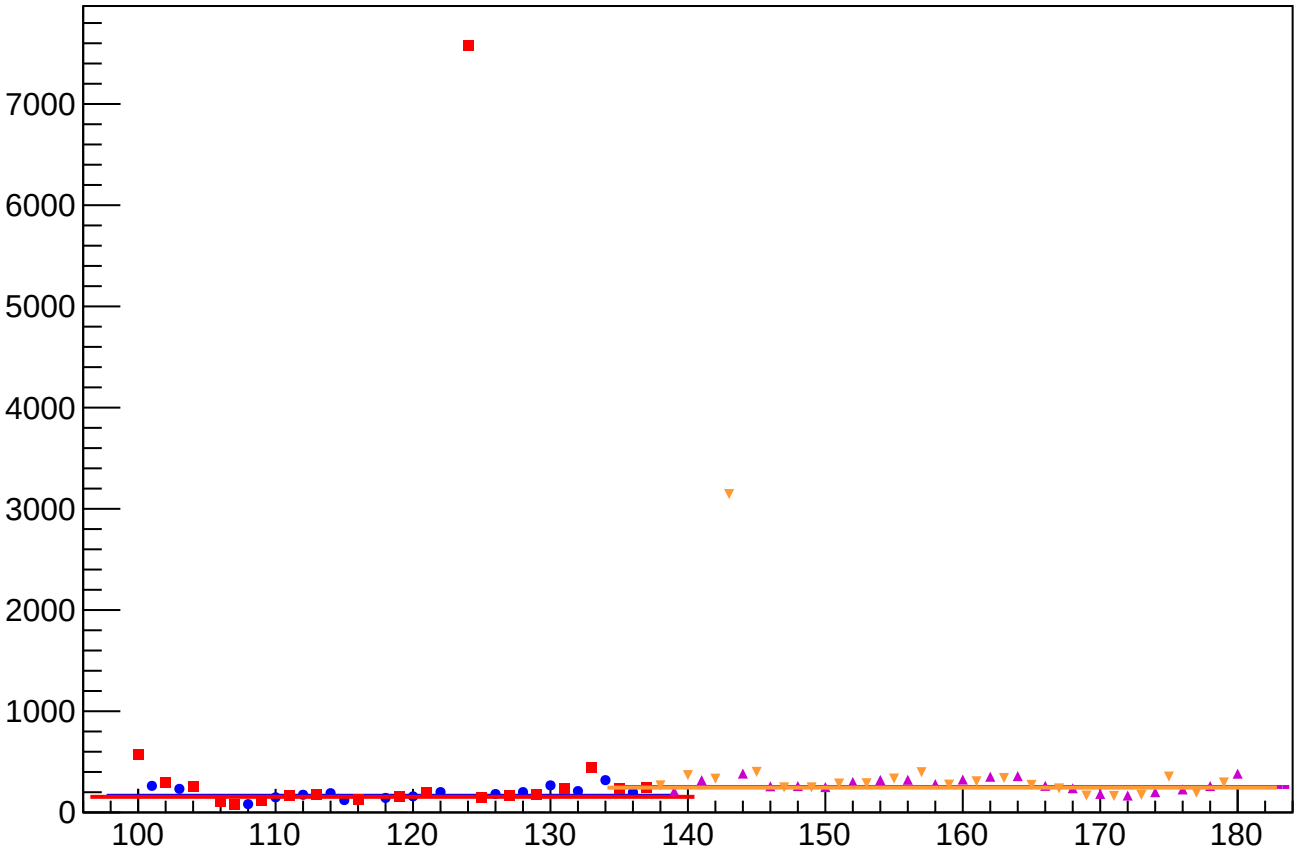
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.102+/-0.064 χ^2/NDF:31.0/20

+ sign 0.009+/-0.046 χ^2/NDF: 28.3/37

All: -0.006+/-0.032 χ^2/NDF: 81.2/77

- 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: 245.290+/-0.045 χ^2/NDF:3828644.4/21

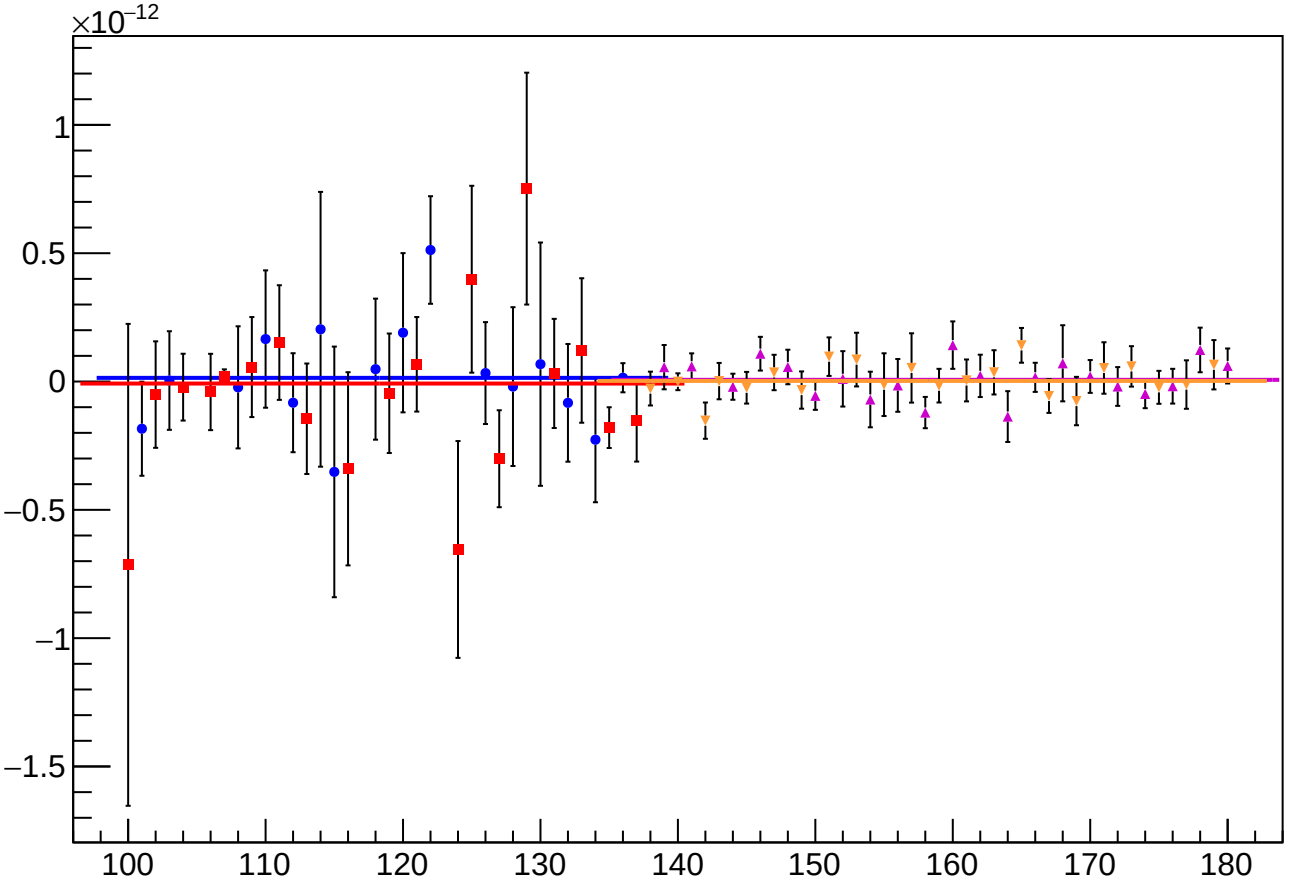
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 251.672+/-0.045 χ^2/NDF:1842625.7/20

+ sign 206.975+/-0.032 χ^2/NDF: 6839492.7/37

All: 205.205+/-0.023 χ^2/NDF: 12911958.5/77

- 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:15.3/21

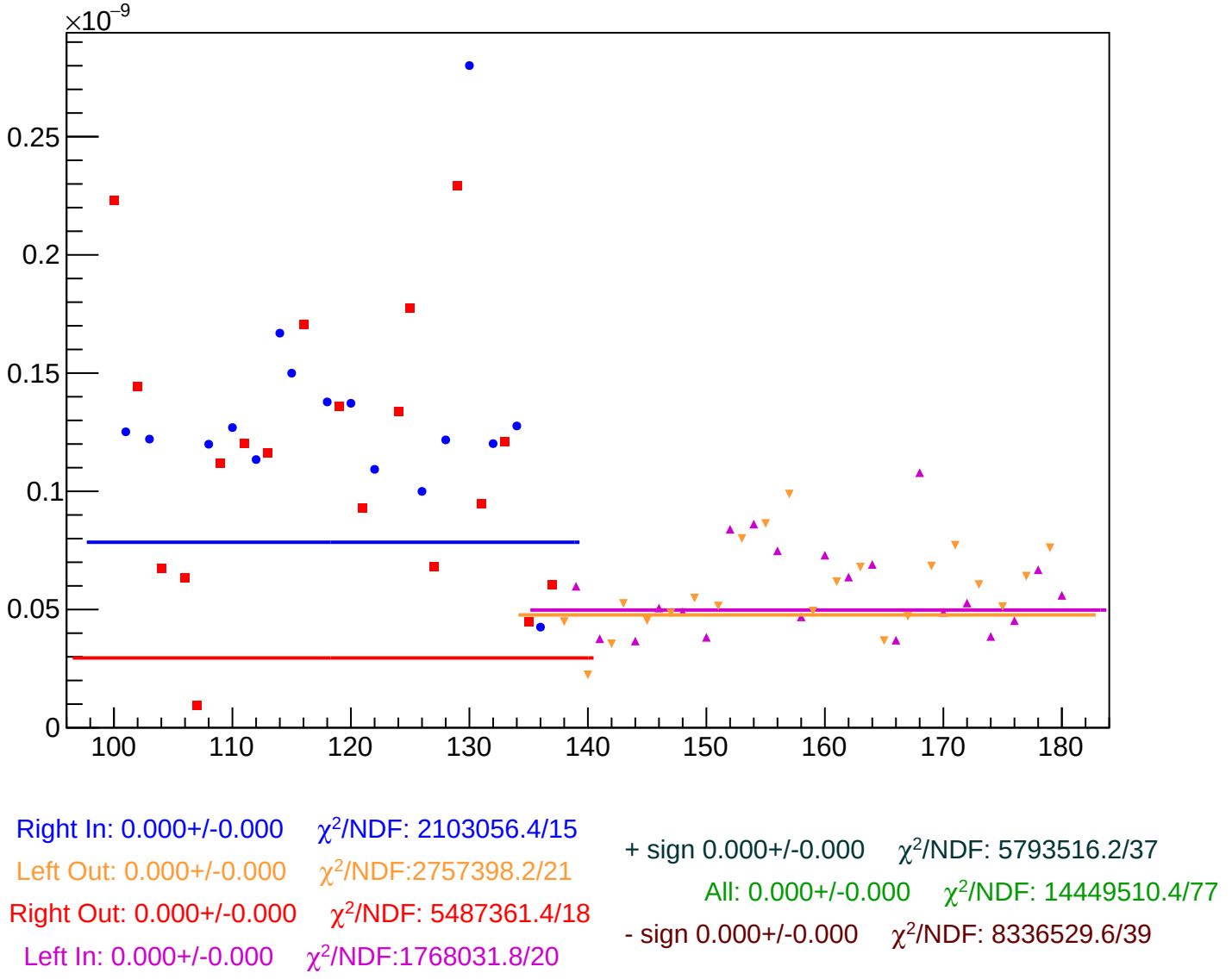
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/20

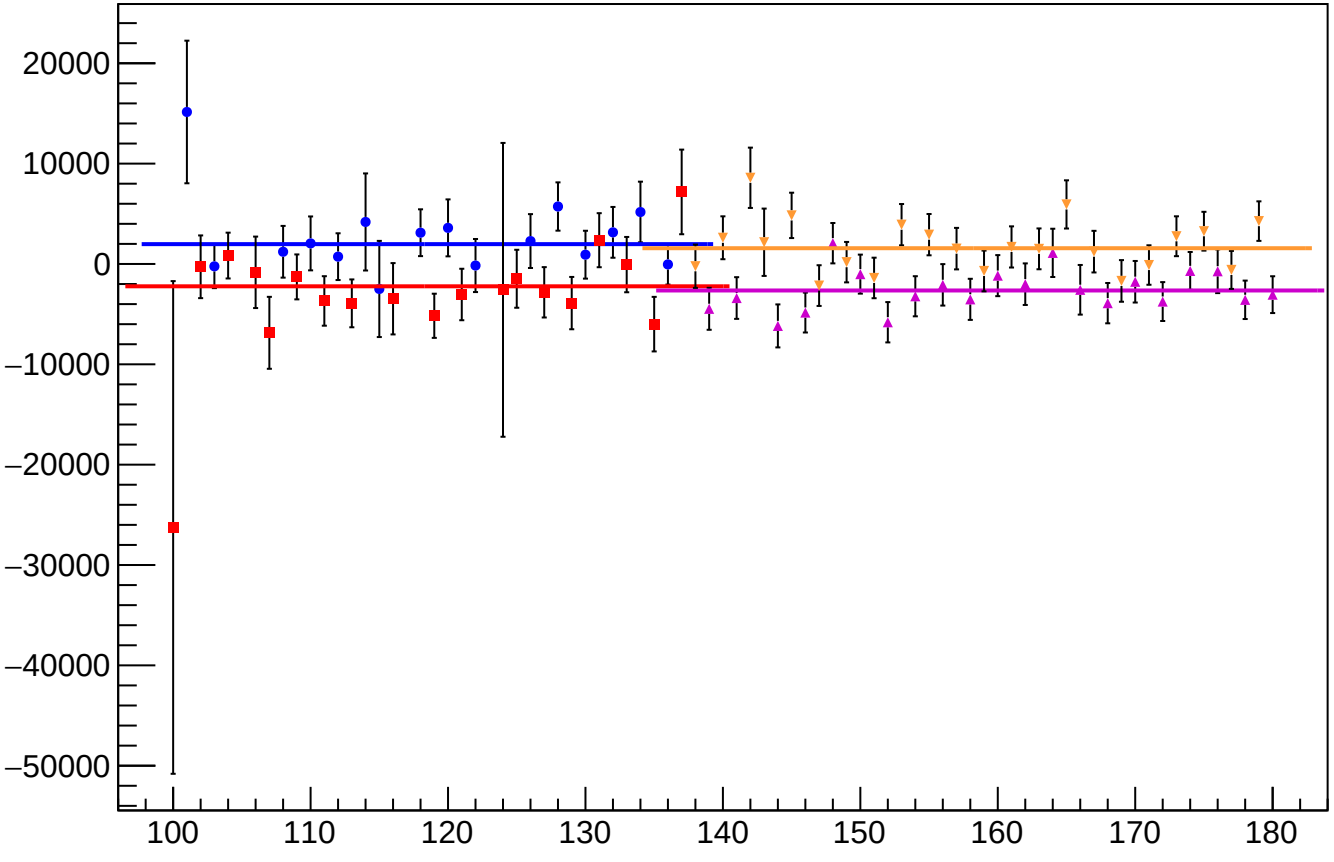
+ sign 0.000+/-0.000 χ^2/NDF: 25.0/37

All: 0.000+/-0.000 χ^2/NDF: 62.7/77

- 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:2757398.2/21
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: 5793516.2/37
All: 0.000+/-0.000 χ²/NDF: 14449510.4/77
- 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: 1569.893+/-449.653 χ^2/NDF:28.3/21

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

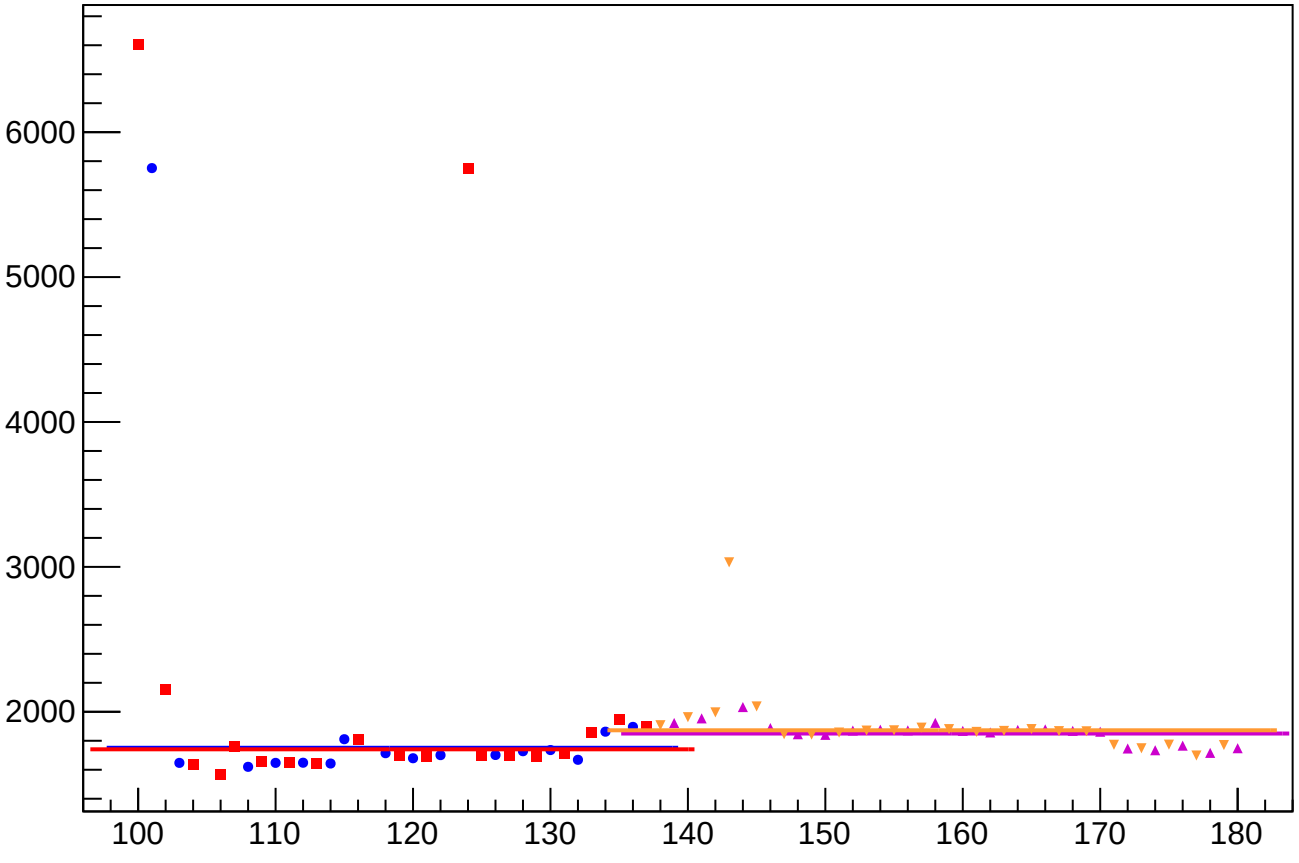
Left In: -2641.936+/-445.776 χ^2/NDF:19.9/20

+ sign 1696.695+/-372.967 χ^2/NDF: 40.7/37

All: -430.884+/-262.225 χ^2/NDF: 144.2/77

- 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: 1872.307+/-0.318 χ^2/NDF:298493.4/21

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

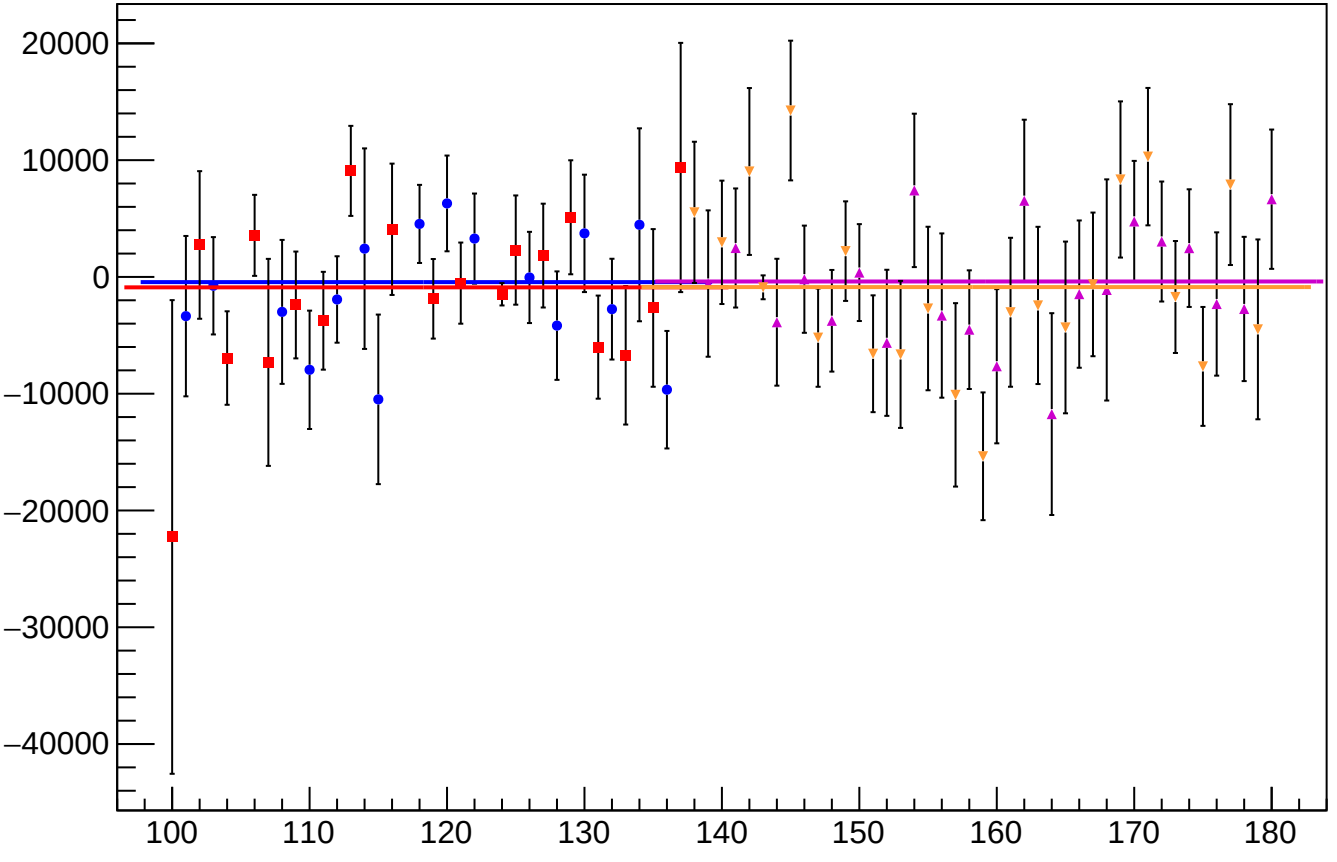
Left In: 1849.977+/-0.315 χ^2/NDF:59044.1/20

+ sign 1834.647+/-0.264 χ^2/NDF: 1014107.5/37

All: 1824.811+/-0.185 χ^2/NDF: 1418633.0/77

- sign 1815.240+/-0.260 χ^2/NDF: 401780.7/39

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -870.573+/-796.317 χ^2/NDF:31.7/21

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

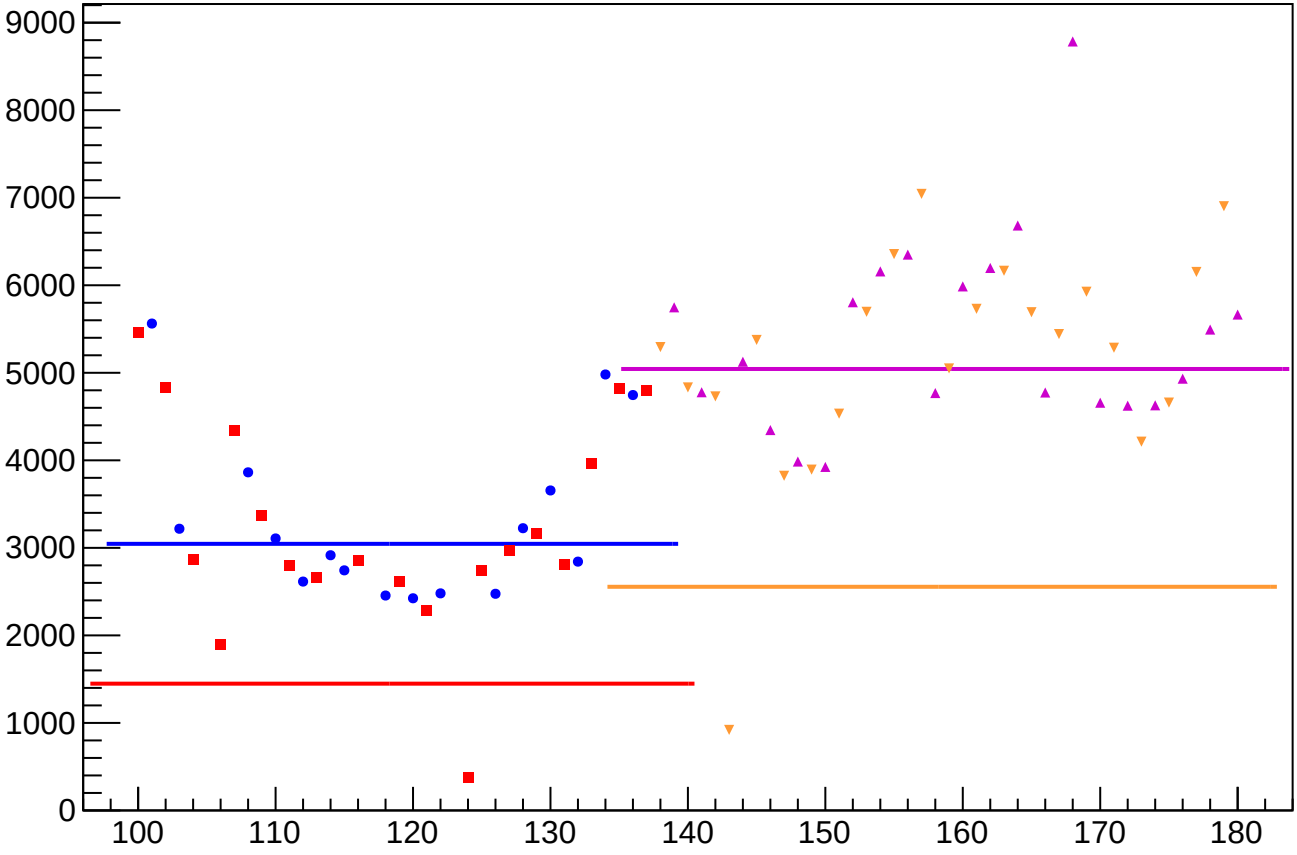
Left In: -389.724+/-1237.830 χ^2/NDF:11.7/20

\+ sign -736.313+/-659.097 χ^2/NDF: 47.7/37

All: -750.704+/-453.924 χ^2/NDF: 79.6/77

\- 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: 2555.257+/-0.563 χ^2/NDF:13953164.2/21

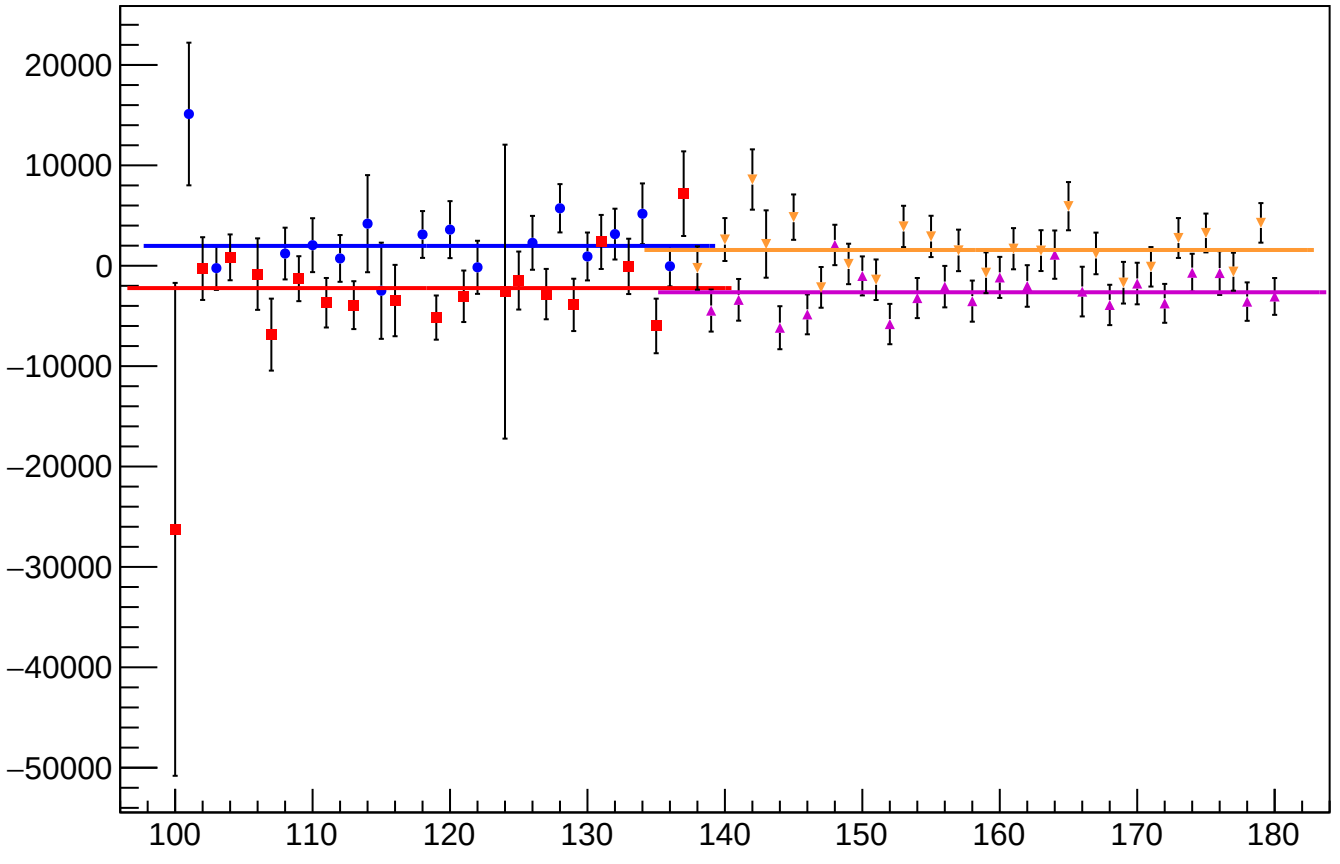
Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5043.593+/-0.875 χ^2/NDF:1058100.4/20

+ sign 2709.787+/-0.466 χ^2/NDF: 15099689.5/37

All: 2530.209+/-0.321 χ^2/NDF: 35781860.0/7

- sign 2368.180+/-0.443 χ^2/NDF: 20399741.3/39



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1569.862+/-449.653 χ^2/NDF:28.3/21

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

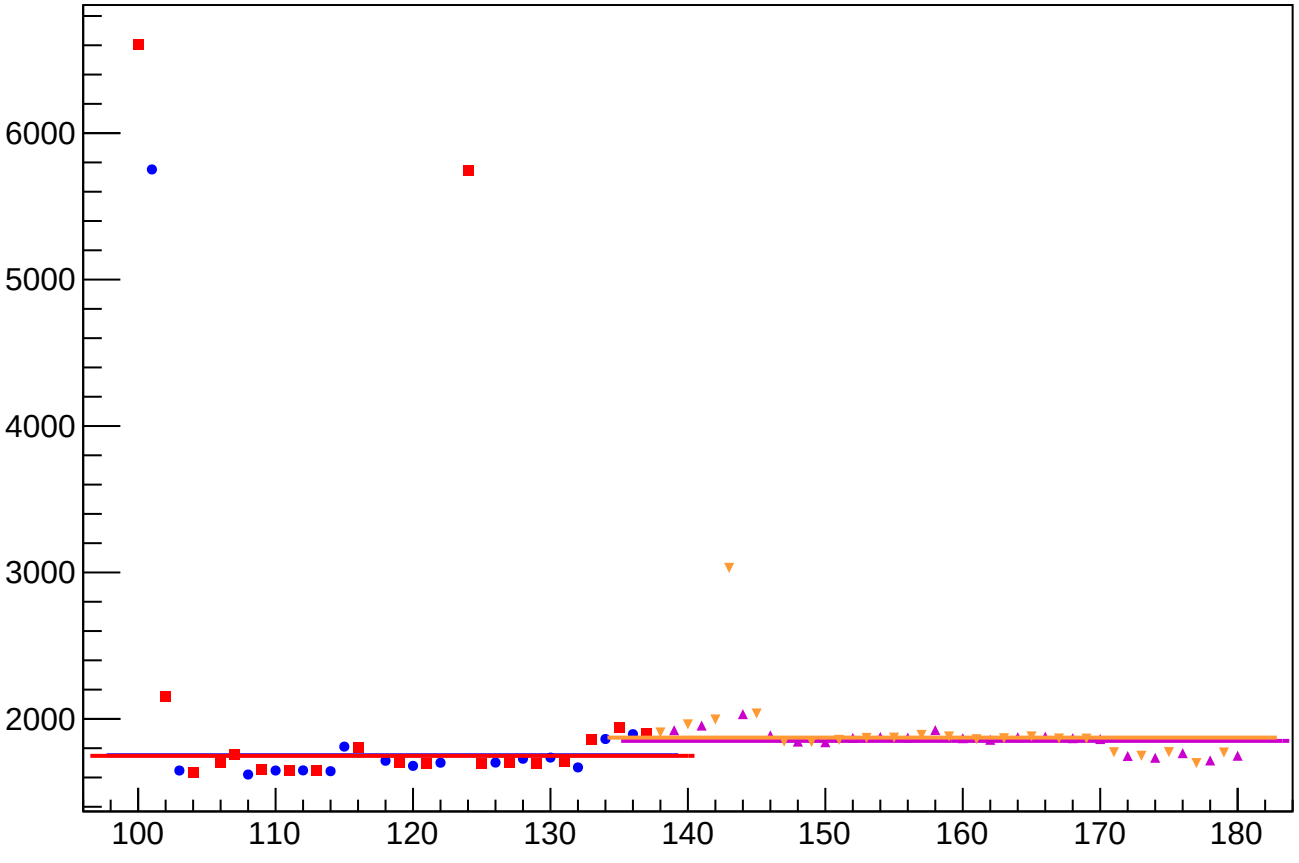
Left In: -2641.964+/-445.776 χ^2/NDF:19.9/20

+ sign 1696.563+/-372.967 χ^2/NDF: 40.7/37

All: -430.974+/-262.225 χ^2/NDF: 144.2/77

- 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: 1872.307+/-0.318 χ^2/NDF:298493.3/21

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

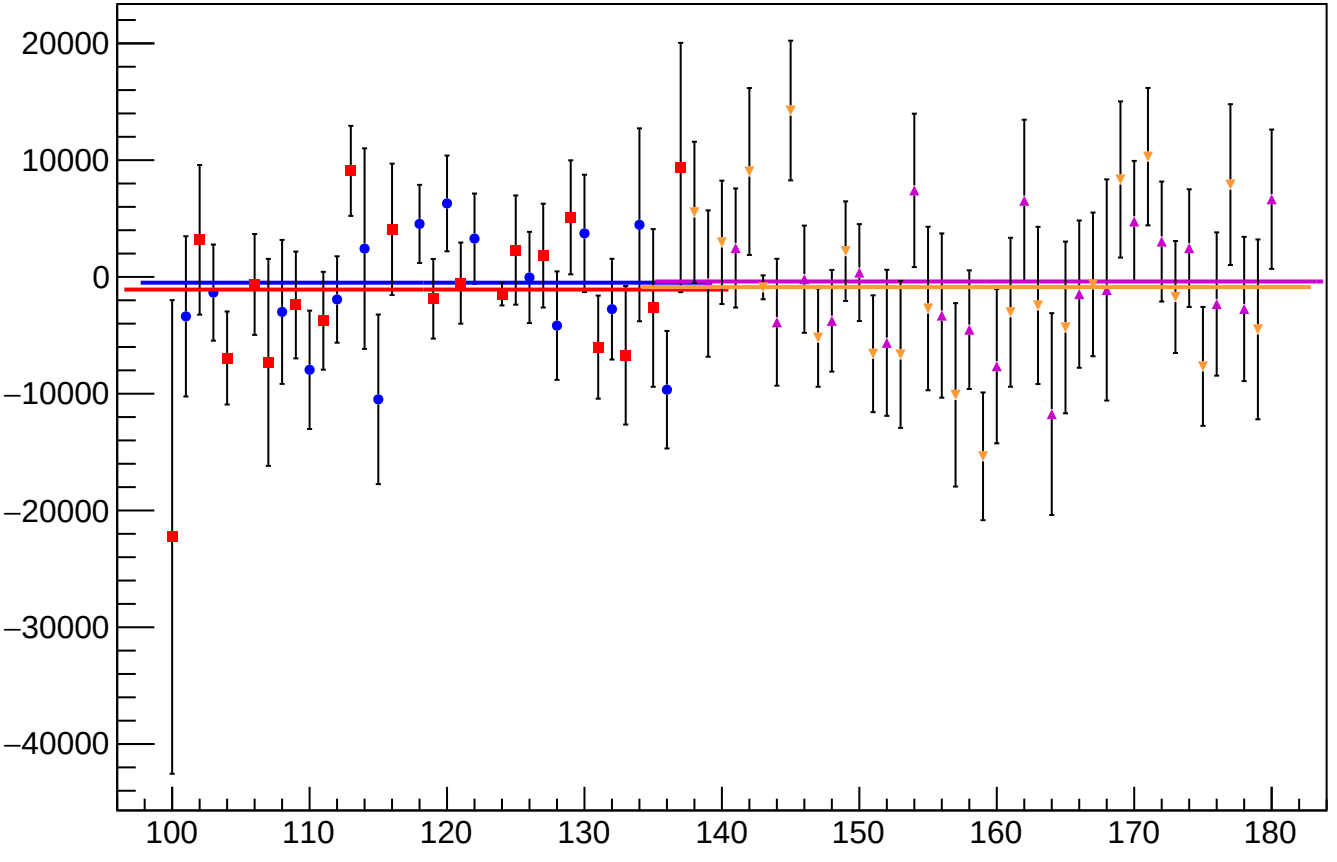
Left In: 1849.977+/-0.315 χ^2/NDF:59044.1/20

+ sign 1834.647+/-0.264 χ^2/NDF: 1014108.0/37

All: 1825.991+/-0.185 χ^2/NDF: 1406550.8/77

- 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: -870.426+/-796.297 χ^2/NDF:31.7/21

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

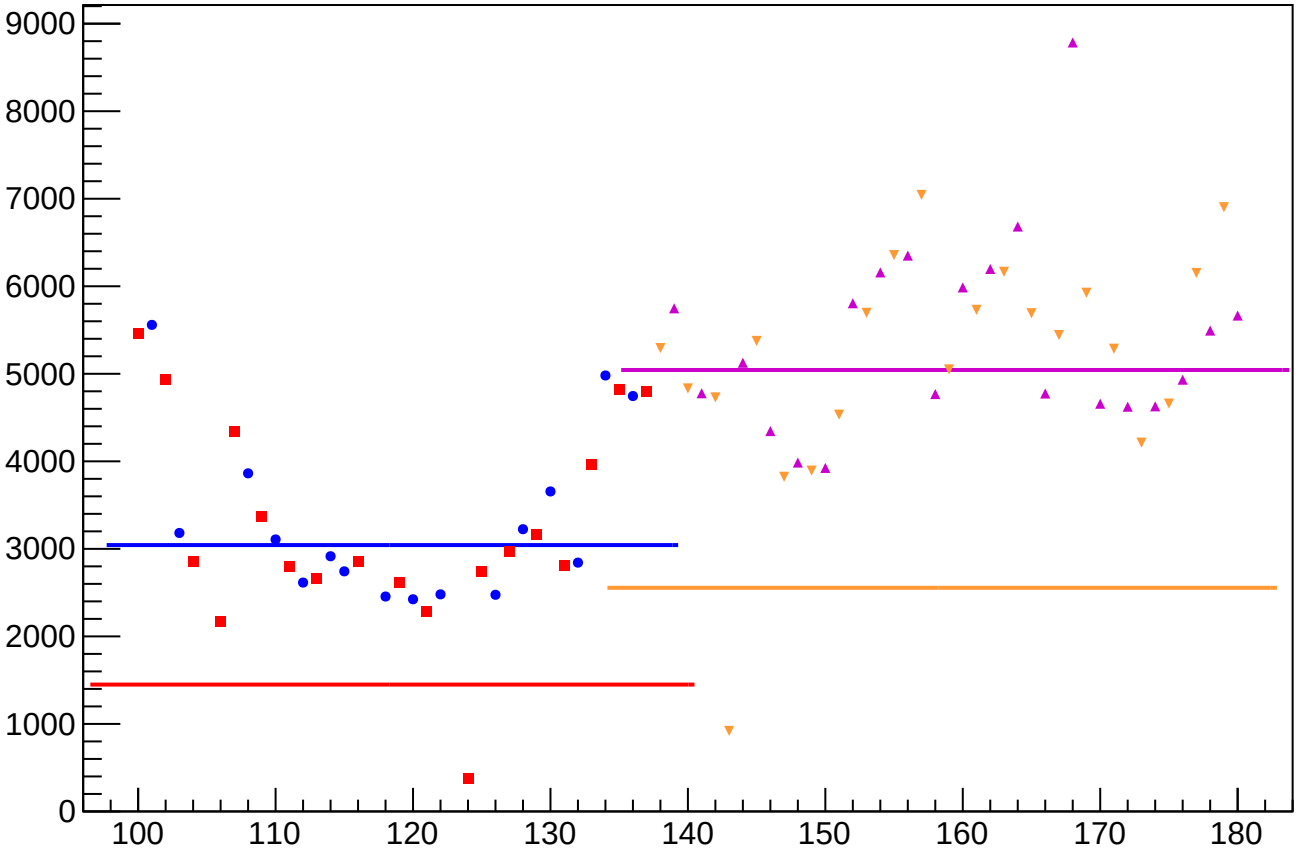
Left In: -389.789+/-1237.830 χ^2/NDF:11.7/20

+ sign -751.368+/-658.872 χ^2/NDF: 47.7/37

All: -830.115+/-455.240 χ^2/NDF: 78.1/77

- 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: 2555.152+/-0.563 χ^2/NDF:13953825.8/21

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

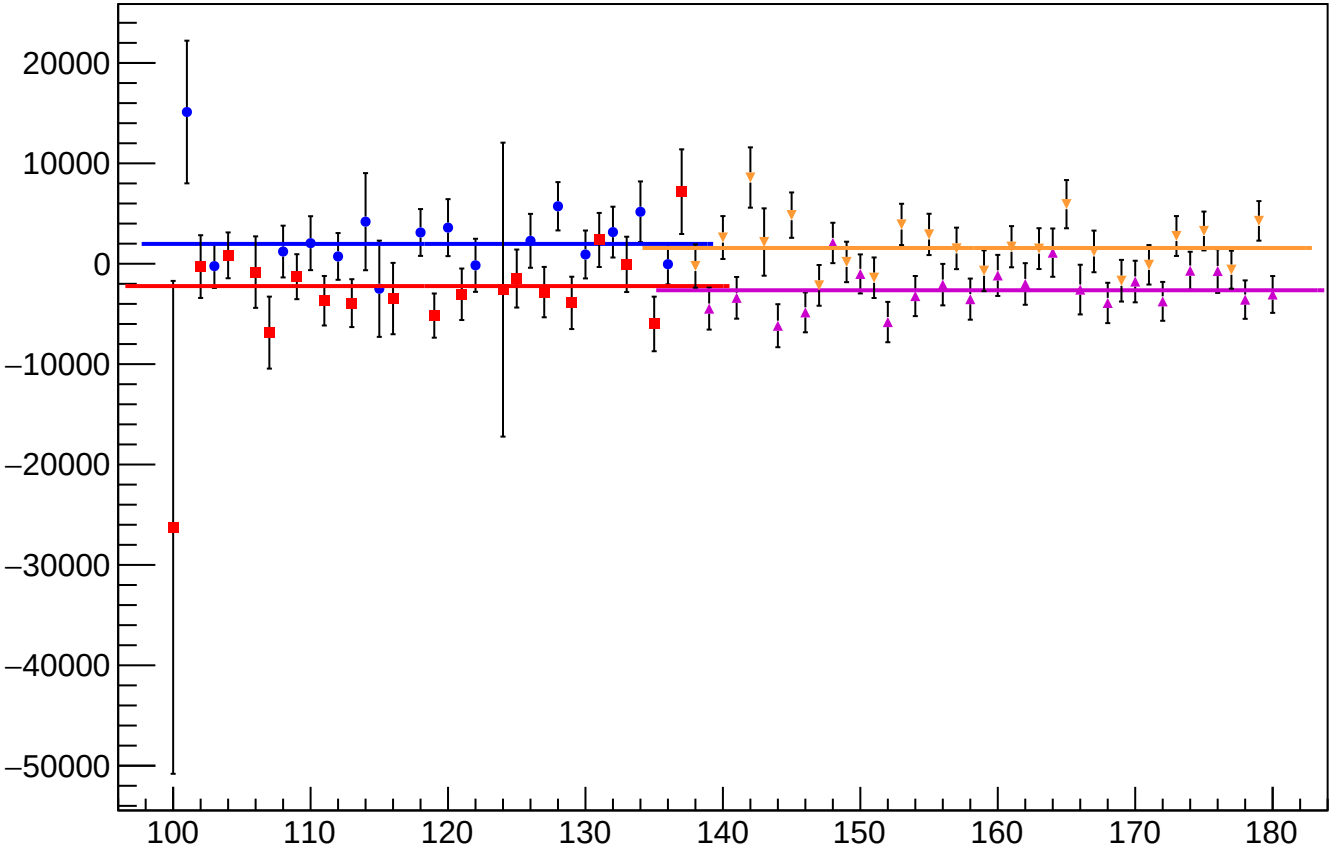
Left In: 5043.593+/-0.875 χ^2/NDF:1058099.8/20

+ sign 2709.093+/-0.466 χ^2/NDF: 15096490.7/37

All: 2536.955+/-0.322 χ^2/NDF: 35738682.9/7

- 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: 1569.862+/-449.653 χ^2/NDF:28.3/21

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

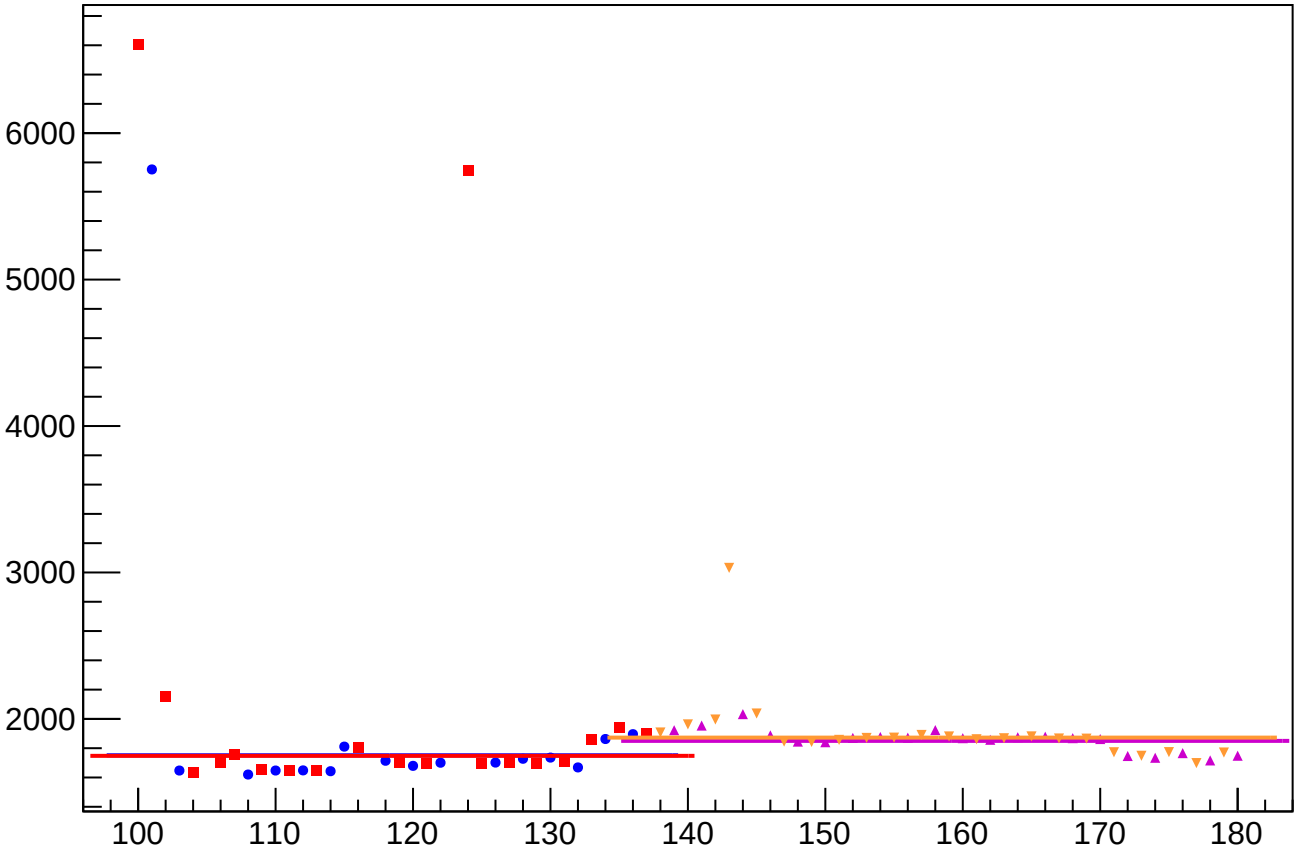
Left In: -2641.964+/-445.776 χ^2/NDF:19.9/20

+ sign 1696.563+/-372.967 χ^2/NDF: 40.7/37

All: -430.974+/-262.225 χ^2/NDF: 144.2/77

- 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: 1872.307+/-0.318 χ^2/NDF:298493.3/21

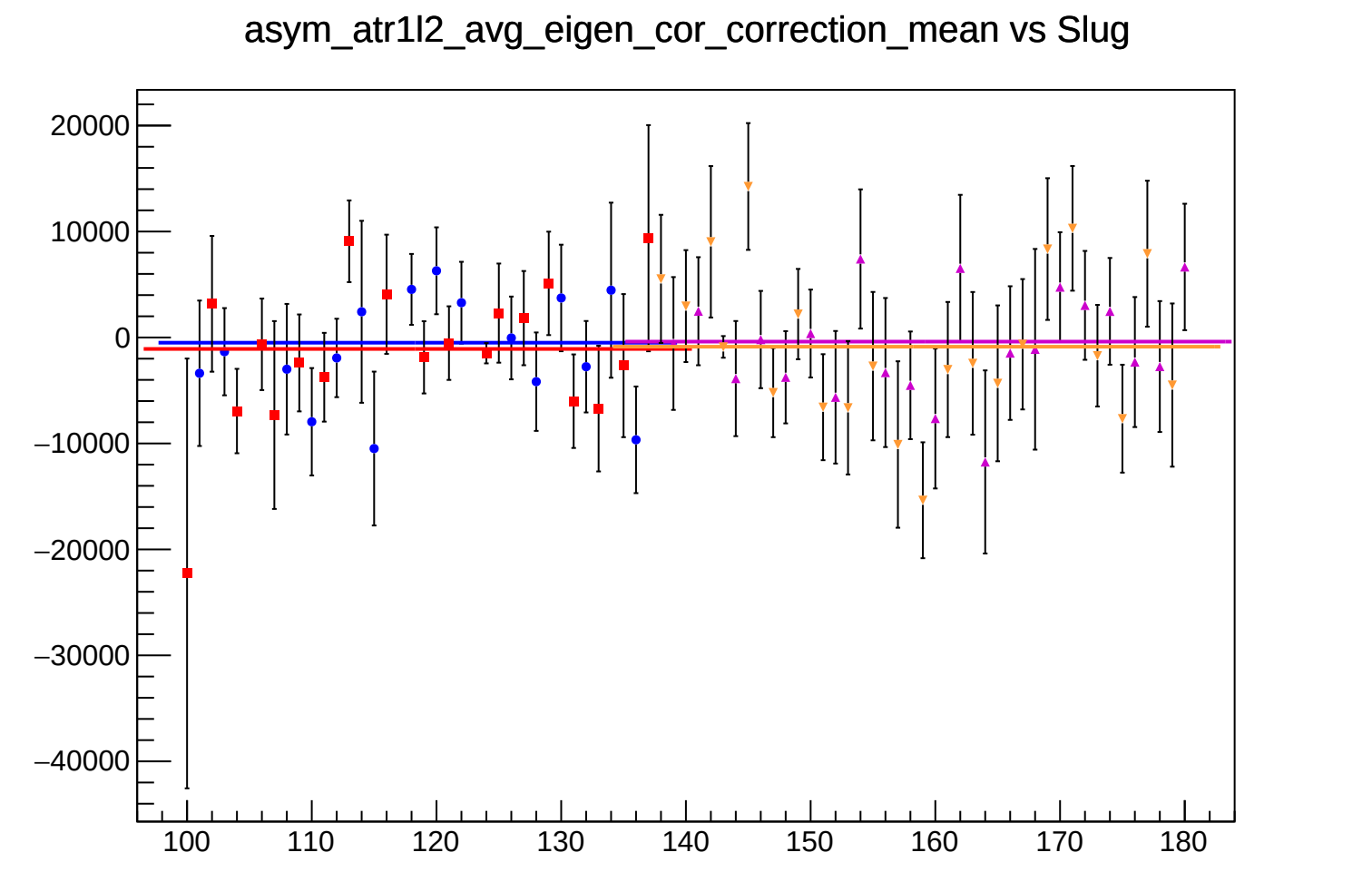
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1849.977+/-0.315 χ^2/NDF:59044.1/20

+ sign 1834.647+/-0.264 χ^2/NDF: 1014108.0/37

All: 1825.991+/-0.185 χ^2/NDF: 1406550.8/77

- 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: -870.426+/-796.297 χ^2/NDF:31.7/21

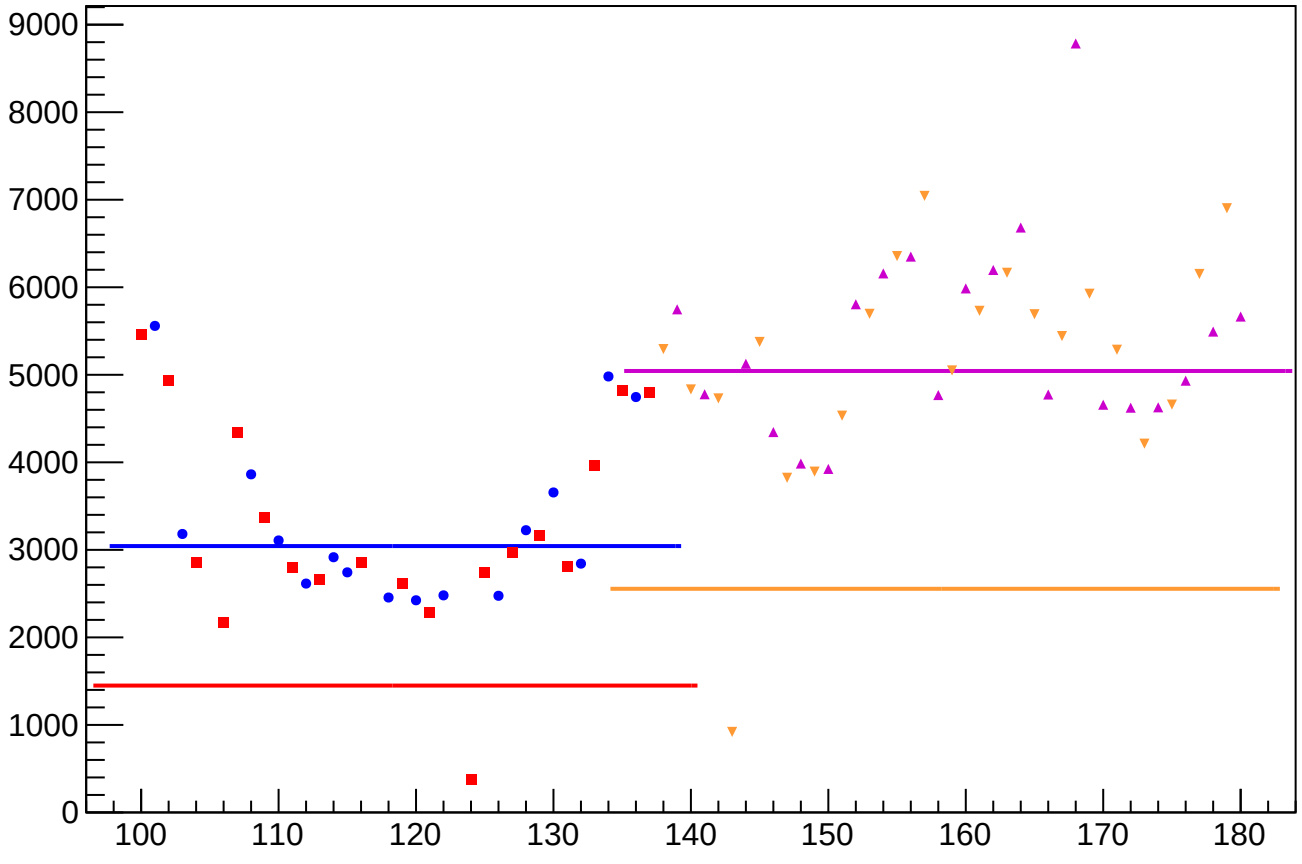
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -389.789+/-1237.830 χ^2/NDF:11.7/20

+ sign -751.368+/-658.872 χ^2/NDF: 47.7/37

All: -830.115+/-455.240 χ^2/NDF: 78.1/77

- sign -902.050+/-629.729 χ^2/NDF: 30.4/39



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2555.152+/-0.563 χ^2/NDF:13953825.8/21

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

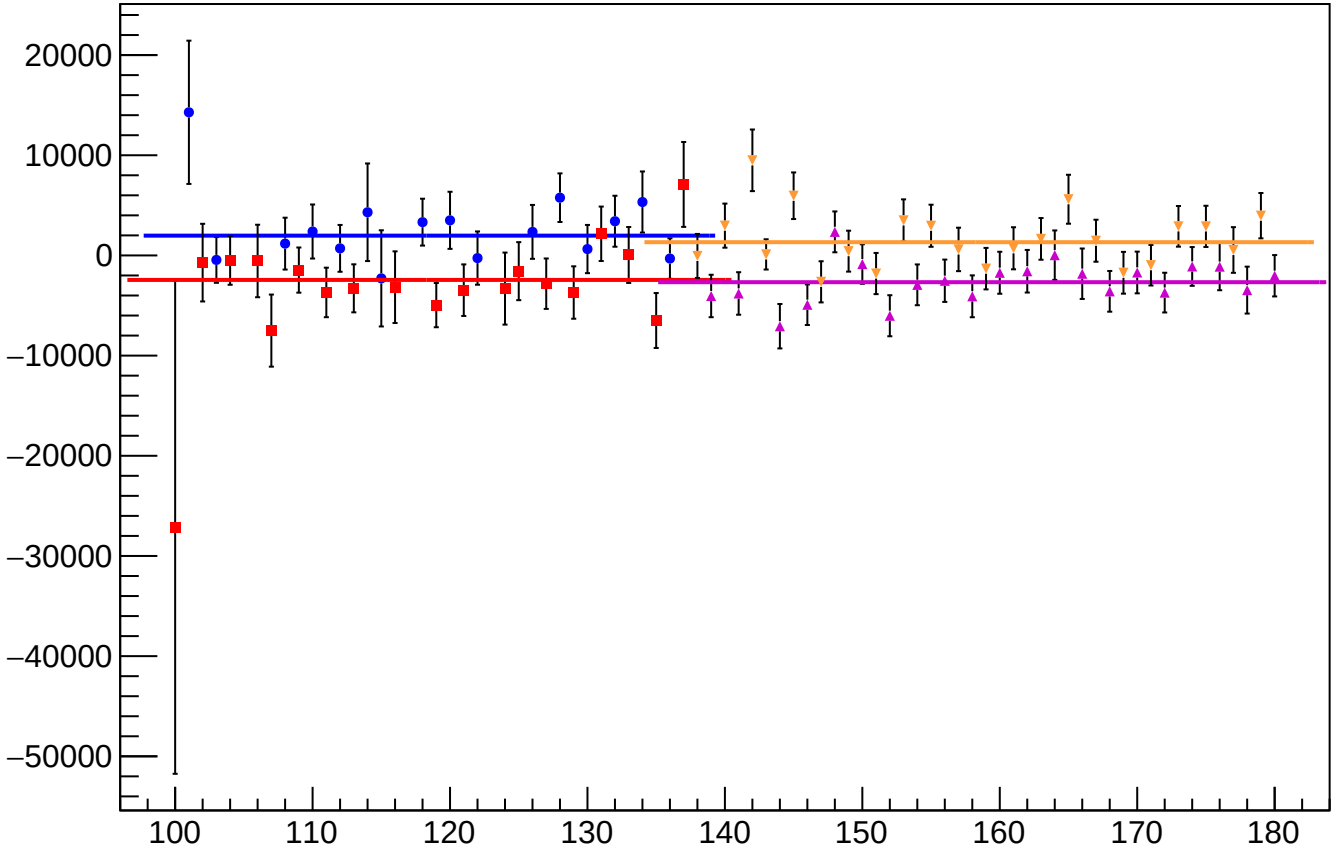
Left In: 5043.593+/-0.875 χ^2/NDF:1058099.8/20

+ sign 2709.093+/-0.466 χ^2/NDF: 15096490.7/37

All: 2536.955+/-0.322 χ^2/NDF: 35738682.9/7

- 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: 1321.770+/-449.524 χ^2/NDF:31.6/21

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

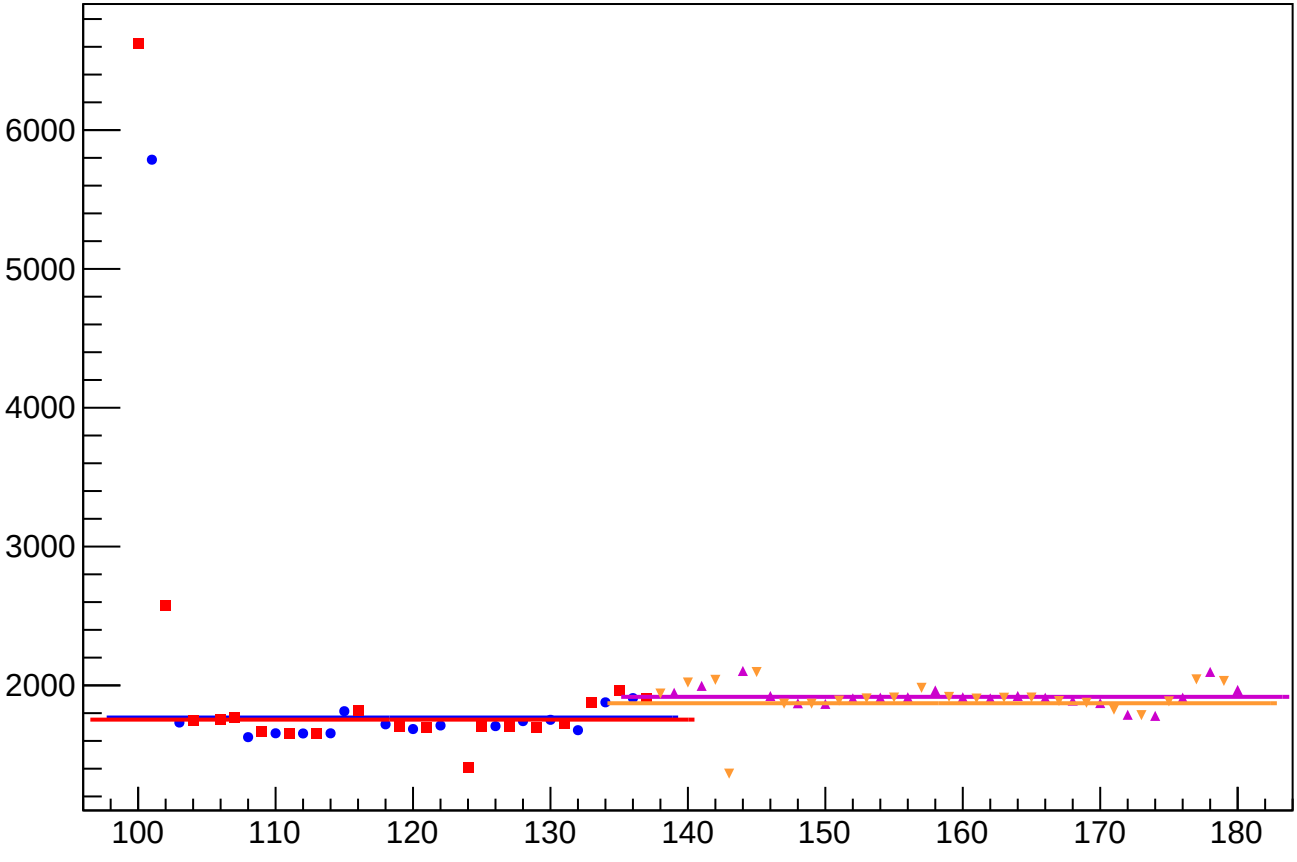
Left In: -2671.123+/-462.059 χ^2/NDF:19.7/20

+ sign 1523.094+/-373.993 χ^2/NDF: 44.7/37

All: -514.137+/-265.886 χ^2/NDF: 141.9/77

- 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: 1871.396+/-0.318 χ^2/NDF:297254.3/21

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

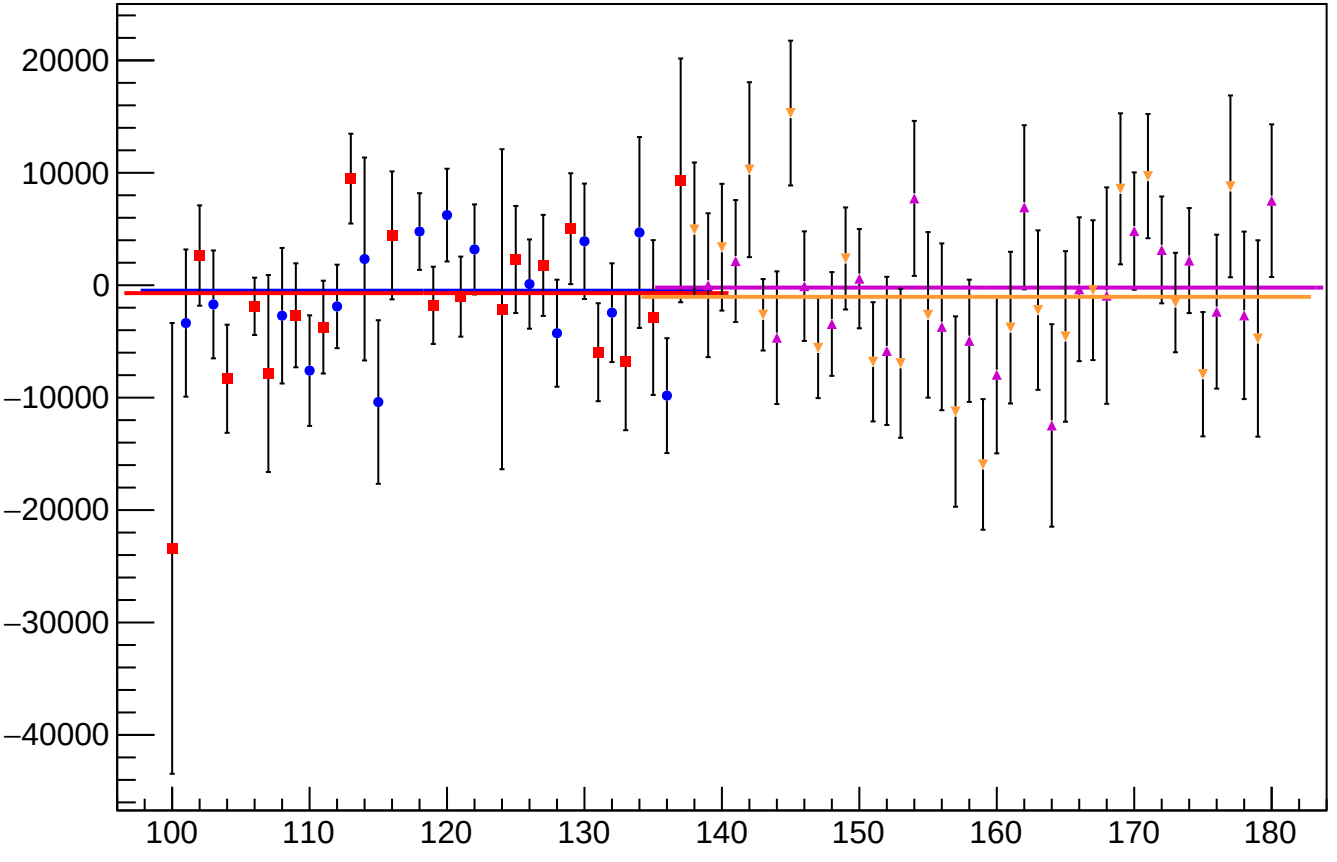
Left In: 1917.476+/-0.327 χ^2/NDF:53507.1/20

+ sign 1839.717+/-0.264 χ^2/NDF: 996890.6/37

All: 1851.269+/-0.188 χ^2/NDF: 1356773.1/77

- 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: -1034.262+/-1221.143 χ^2/NDF:31.6/21

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

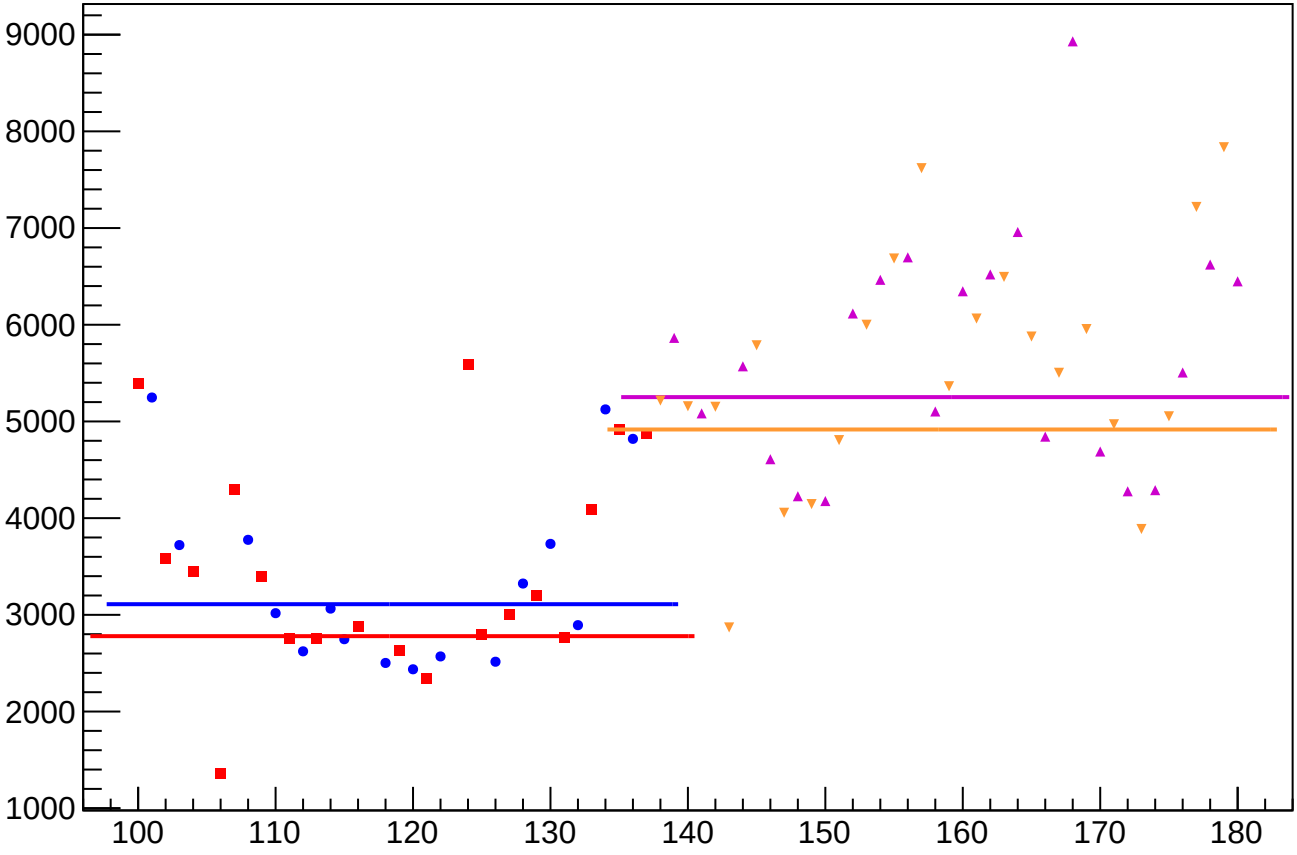
Left In: -211.311+/-1292.907 χ^2/NDF:11.6/20

+ sign -756.074+/-855.363 χ^2/NDF: 47.4/37

All: -625.052+/-593.462 χ^2/NDF: 77.9/77

- 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: 4916.854+/-0.863 χ^2/NDF:2144495.0/21

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

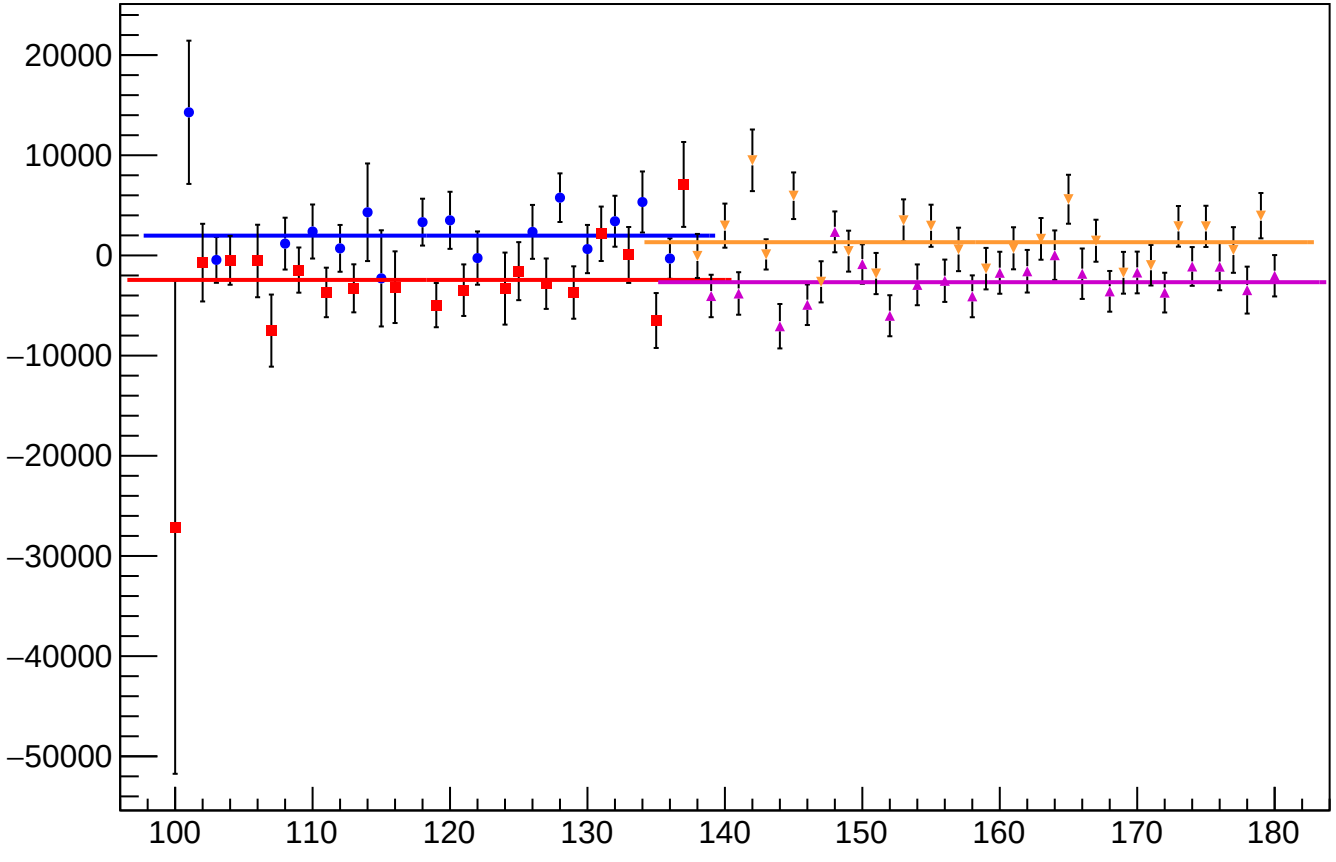
Left In: 5251.624+/-0.914 χ^2/NDF:1258405.4/20

\+ sign 3996.592+/-0.605 χ^2/NDF: 5257731.6/37

All: 3886.281+/-0.420 χ^2/NDF: 12269414.0/7

\- sign 3783.892+/-0.583 χ^2/NDF: 6947544.6/39

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1321.768+/-449.524 χ^2/NDF:31.6/21

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

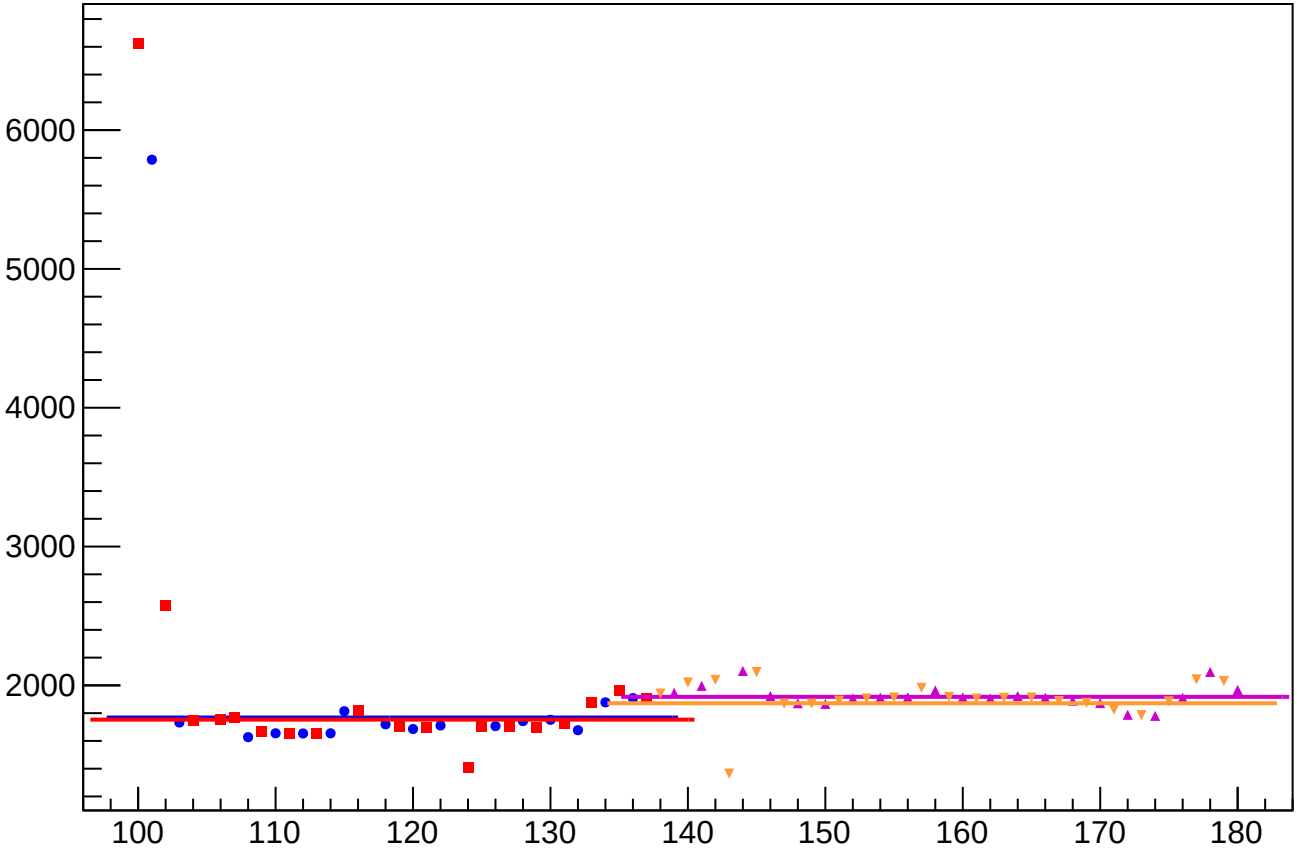
Left In: -2671.122+/-462.059 χ^2/NDF:19.7/20

+ sign 1523.093+/-373.993 χ^2/NDF: 44.7/37

All: -514.138+/-265.886 χ^2/NDF: 141.9/77

- 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: 1871.397+/-0.318 χ^2/NDF:297257.8/21

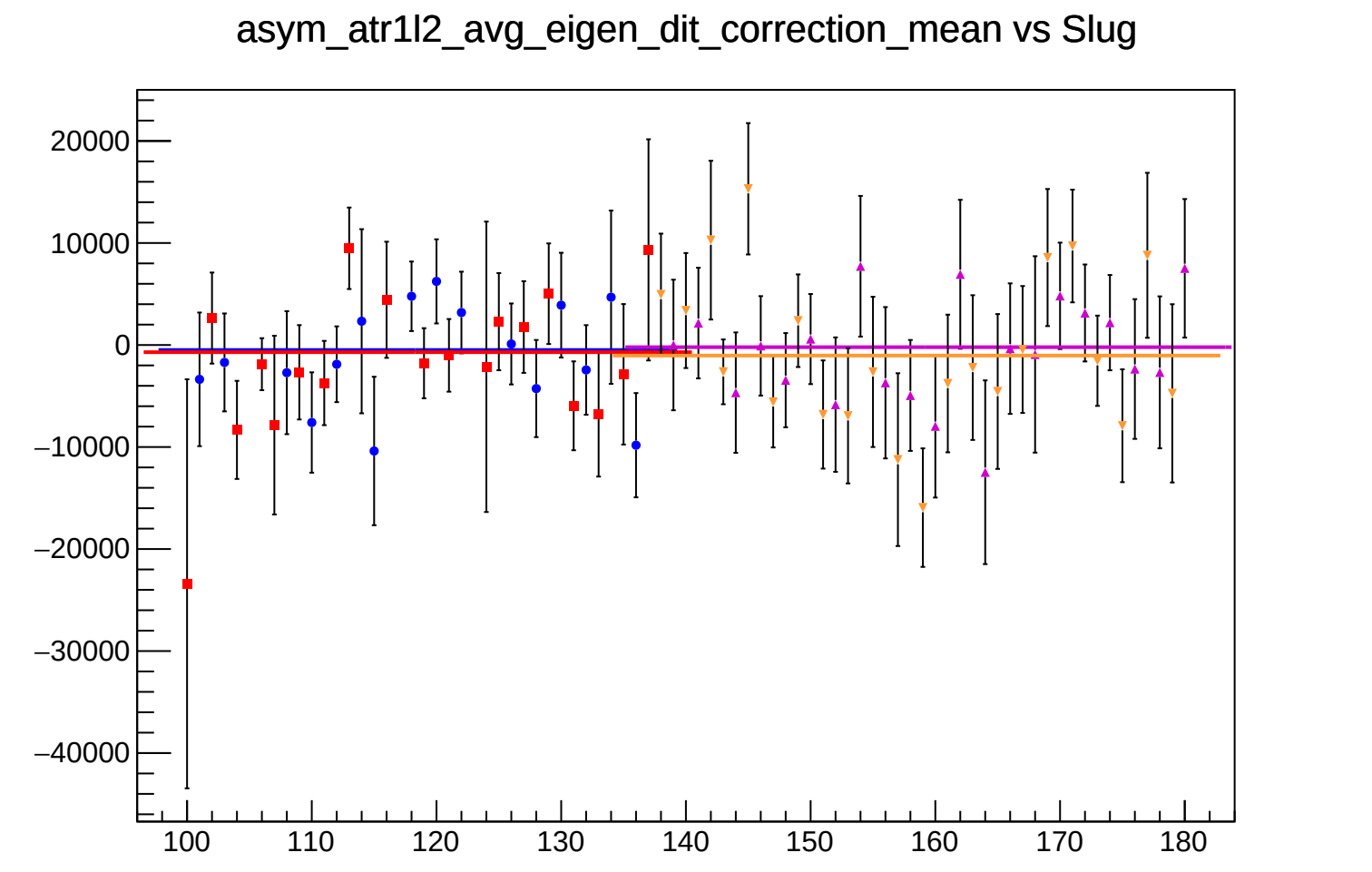
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1917.477+/-0.327 χ^2/NDF:53509.4/20

+ sign 1839.717+/-0.264 χ^2/NDF: 996894.8/37

All: 1851.270+/-0.188 χ^2/NDF: 1356780.8/77

- 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: -1034.267+/-1221.145 χ^2/NDF:31.6/21

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

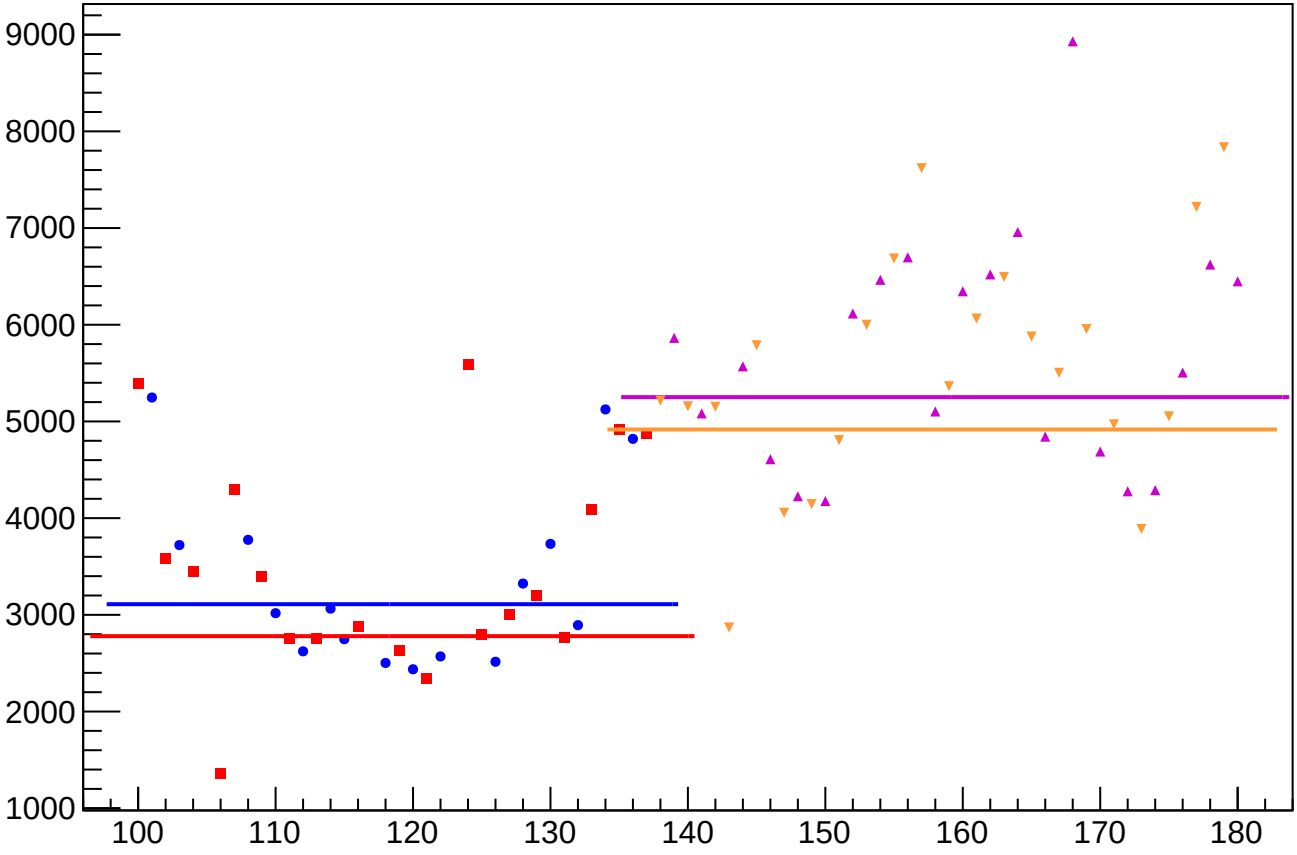
Left In: -211.311+/-1292.909 χ^2/NDF:11.6/20

+ sign -756.072+/-855.362 χ^2/NDF: 47.4/37

All: -625.053+/-593.461 χ^2/NDF: 77.9/77

- 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: 4916.861+/-0.863 χ^2/NDF:2144502.3/21

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

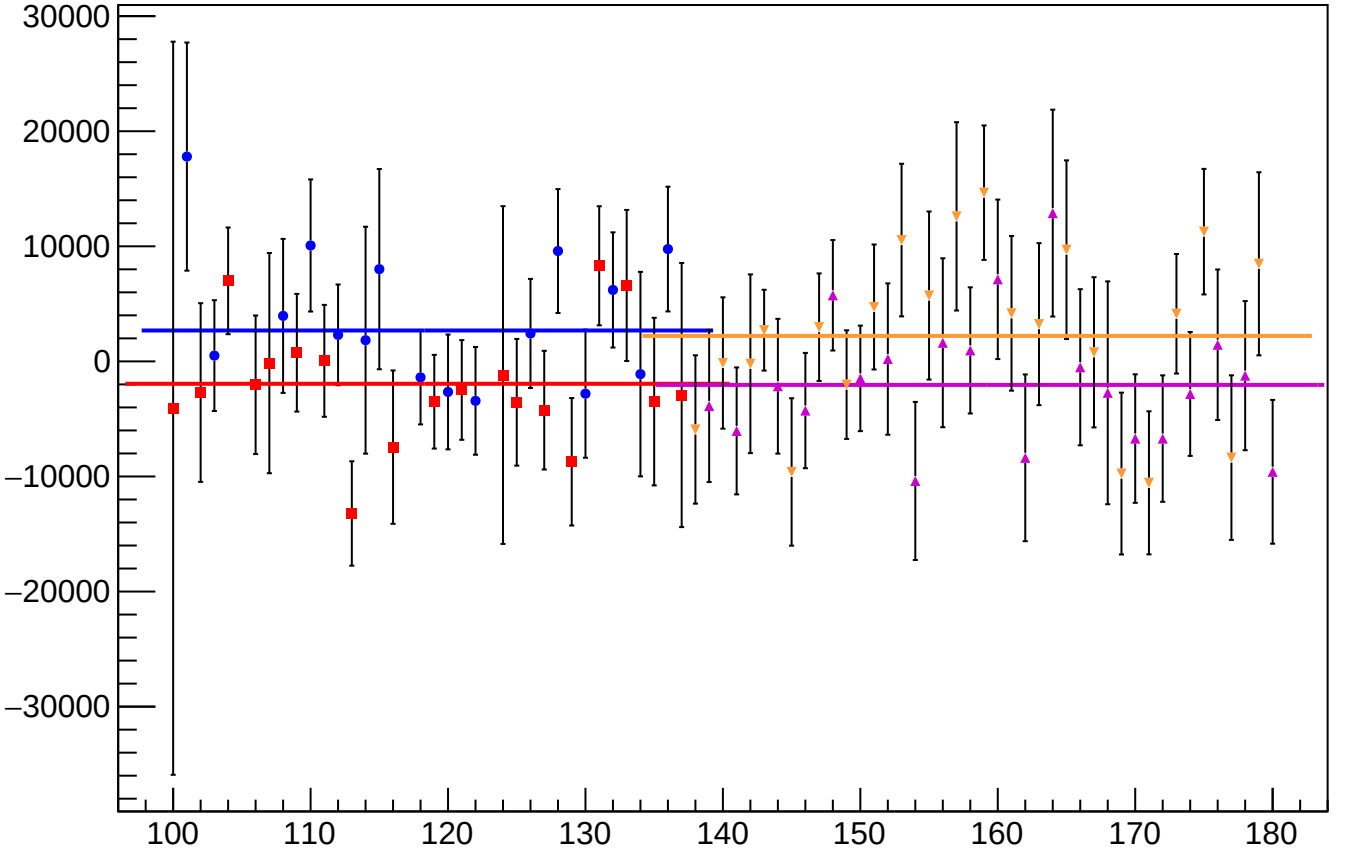
Left In: 5251.631+/-0.914 χ^2/NDF:1258407.2/20

+ sign 3996.585+/-0.605 χ^2/NDF: 5257796.2/37

All: 3886.272+/-0.420 χ^2/NDF: 12269580.9/7

- 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: 2213.128+/-1268.279 χ^2/NDF:28.2/21

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

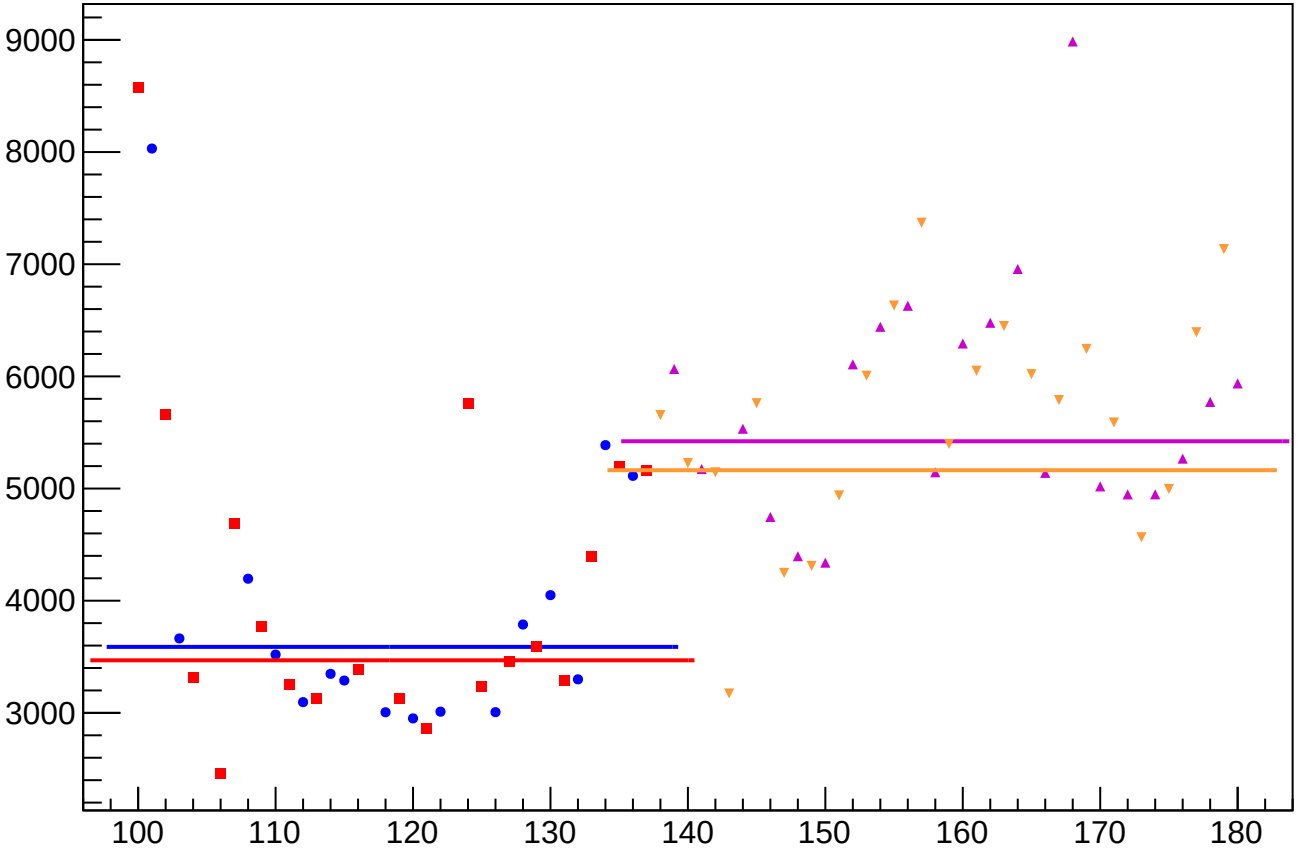
Left In: -2043.676+/-1325.625 χ^2/NDF:14.1/20

+ sign 2429.399+/-933.782 χ^2/NDF: 41.7/37

All: 231.787+/-662.454 χ^2/NDF: 85.7/77

- 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: 5163.482+/-0.897 χ^2/NDF:1490546.6/21

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

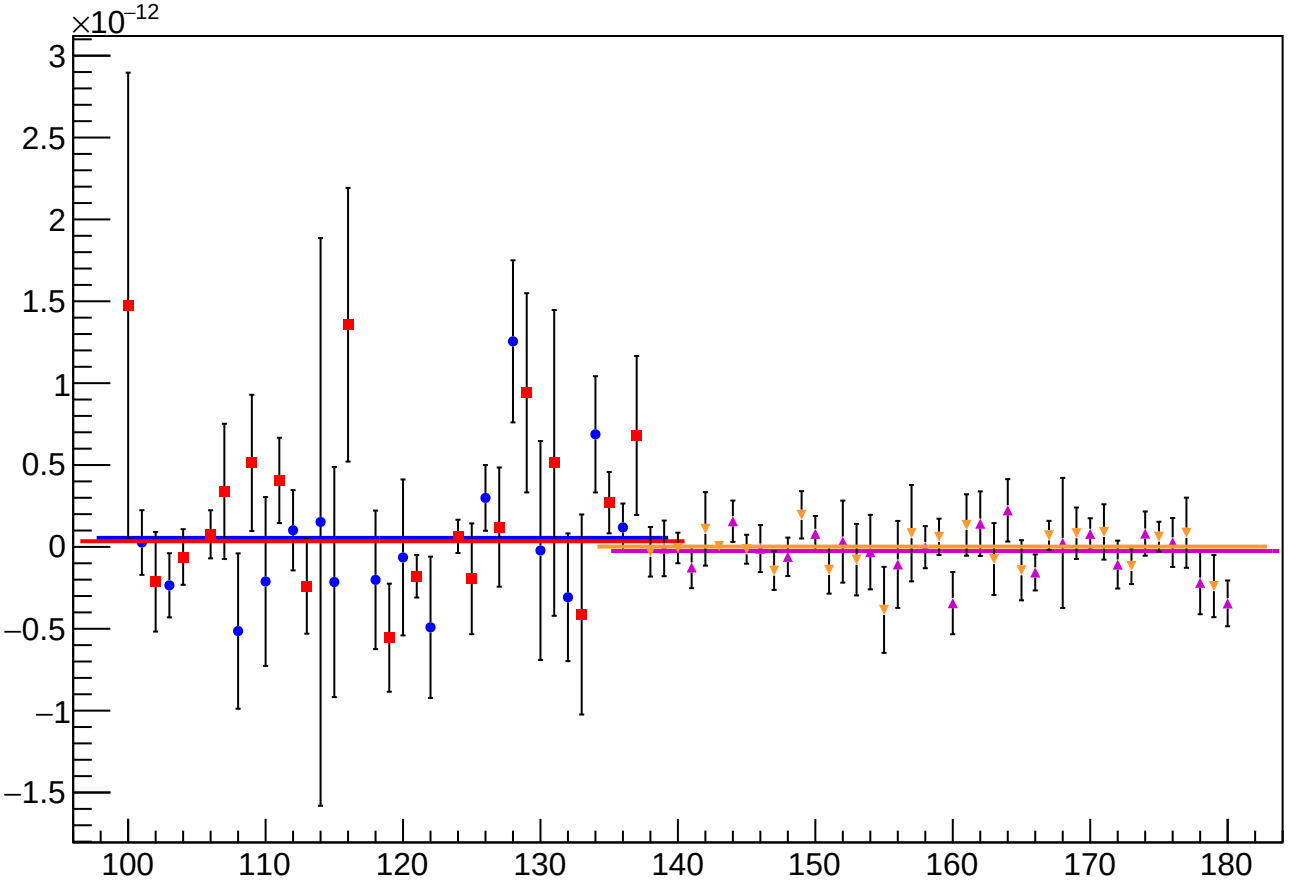
Left In: 5421.553+/-0.937 χ^2/NDF:856120.5/20

+ sign 4442.229+/-0.660 χ^2/NDF: 3748245.8/37

All: 4438.888+/-0.467 χ^2/NDF: 7462509.7/77

- 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:13.0/21

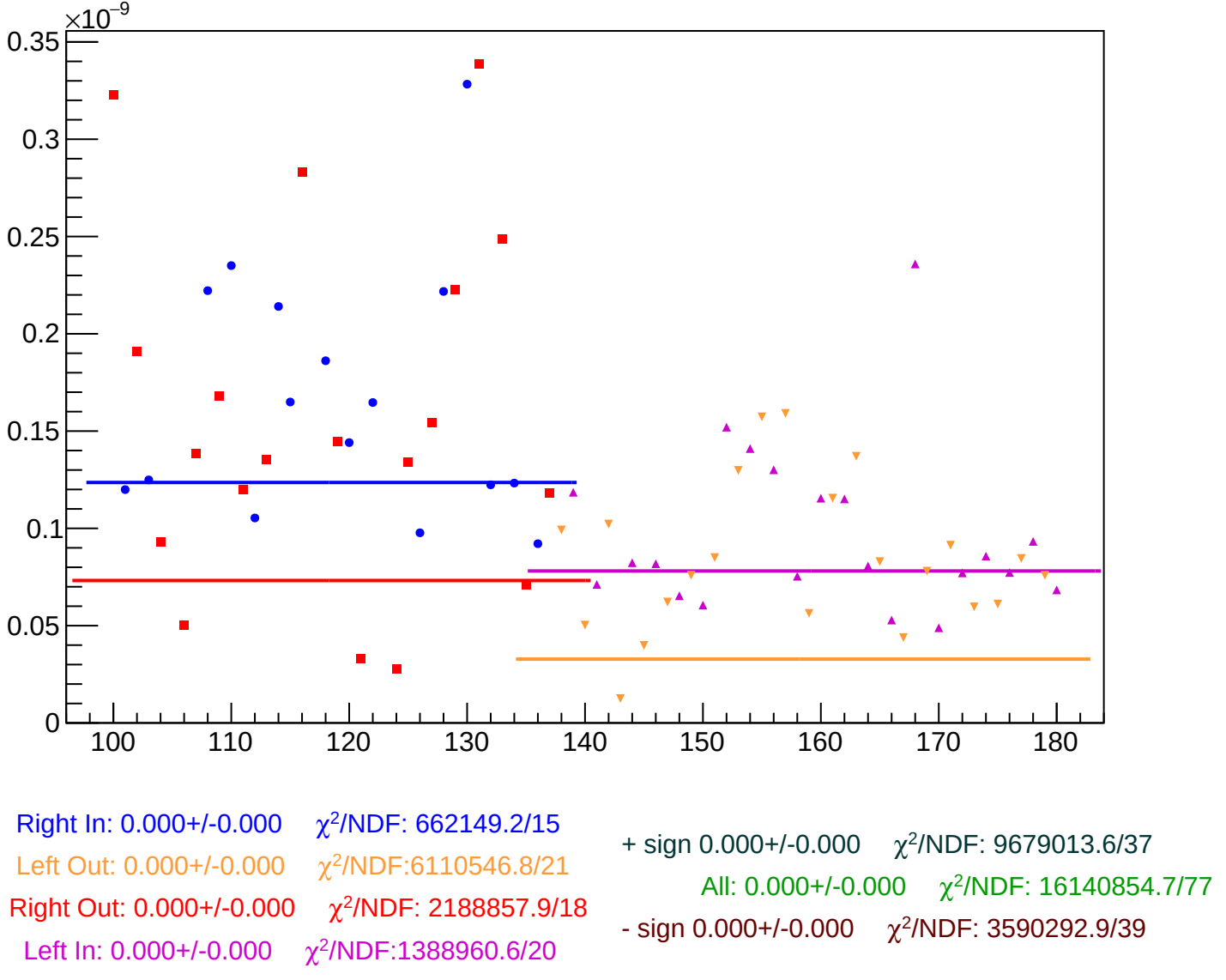
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/20

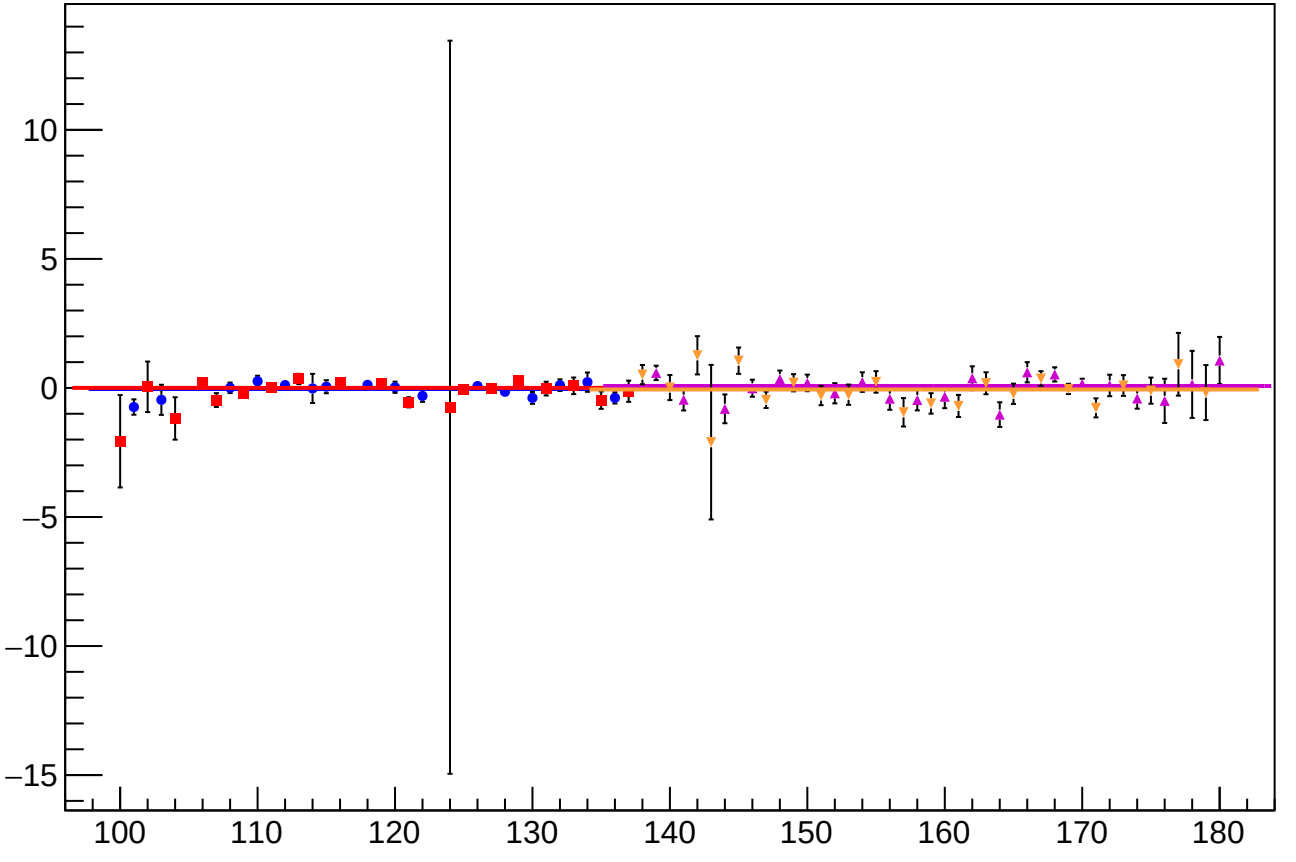
+ sign 0.000+/-0.000 χ^2/NDF: 31.3/37

All: 0.000+/-0.000 χ^2/NDF: 73.8/77

- sign -0.000+/-0.000 χ^2/NDF: 42.3/39


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:6110546.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:1388960.6/20
+ sign 0.000+/-0.000 χ²/NDF: 9679013.6/37
All: 0.000+/-0.000 χ²/NDF: 16140854.7/77
- sign 0.000+/-0.000 χ²/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: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

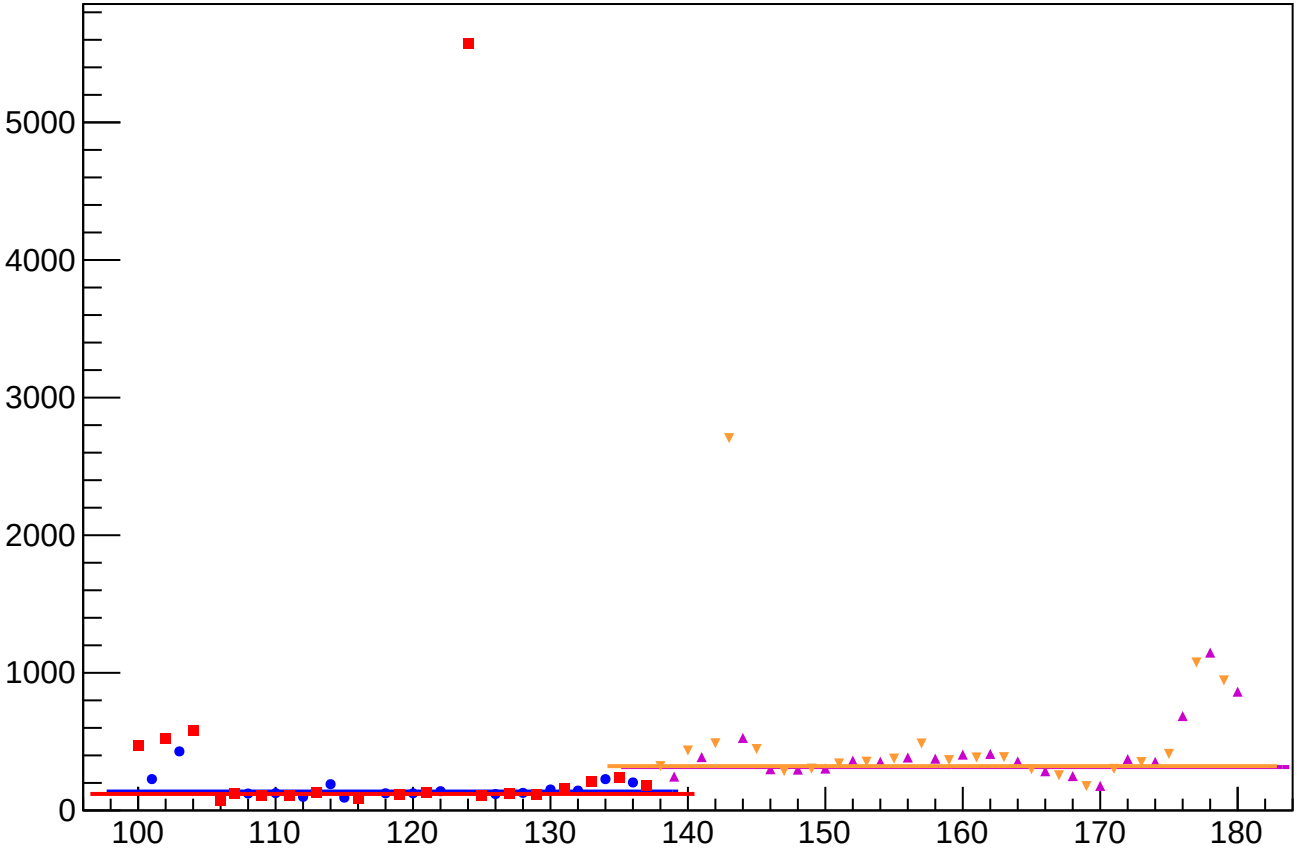
Left In: 0.076+/-0.082 χ^2/NDF:26.6/20

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/37

All: -0.008+/-0.032 χ^2/NDF: 103.0/77

- 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: 322.019+/-0.060 χ^2/NDF:4688509.8/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

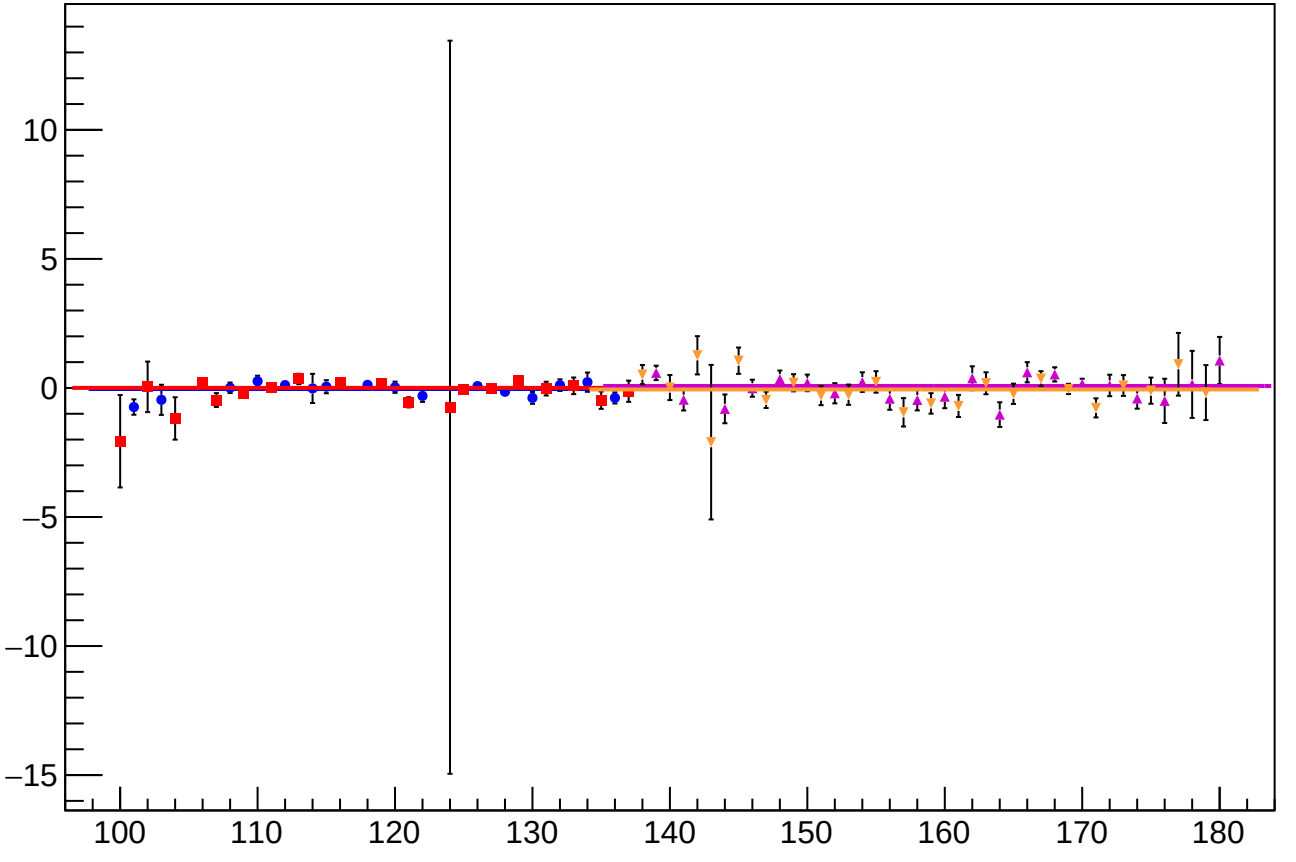
Left In: 315.346+/-0.058 χ^2/NDF:3830031.2/20

+ sign 193.193+/-0.033 χ^2/NDF: 12568343.6/37

All: 183.062+/-0.022 χ^2/NDF: 26898695.4/77

- sign 174.339+/-0.031 χ^2/NDF: 14154648.6/39

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

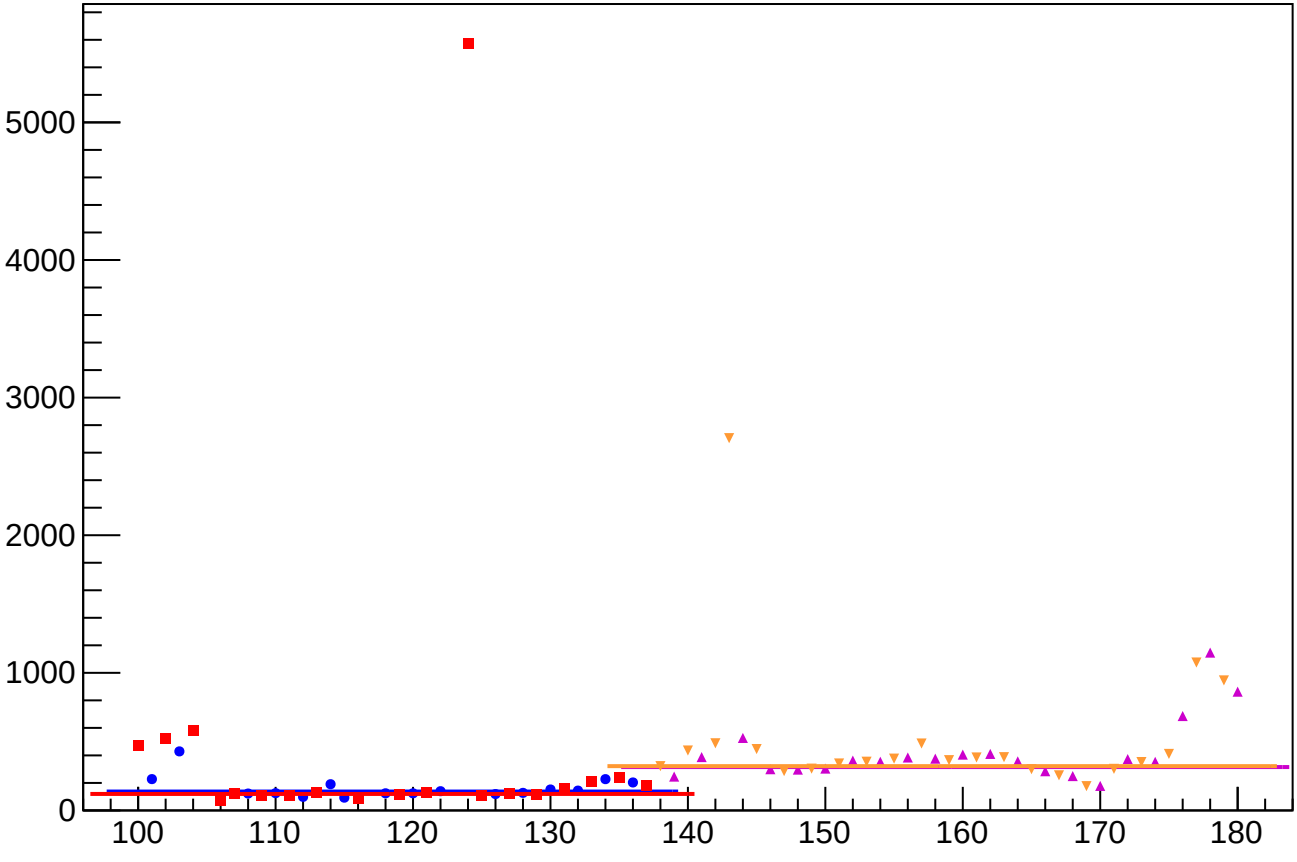
Left In: 0.076+/-0.082 χ^2/NDF:26.6/20

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/37

All: -0.008+/-0.032 χ^2/NDF: 103.0/77

- 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: 322.019+/-0.060 χ^2/NDF:4688509.8/21

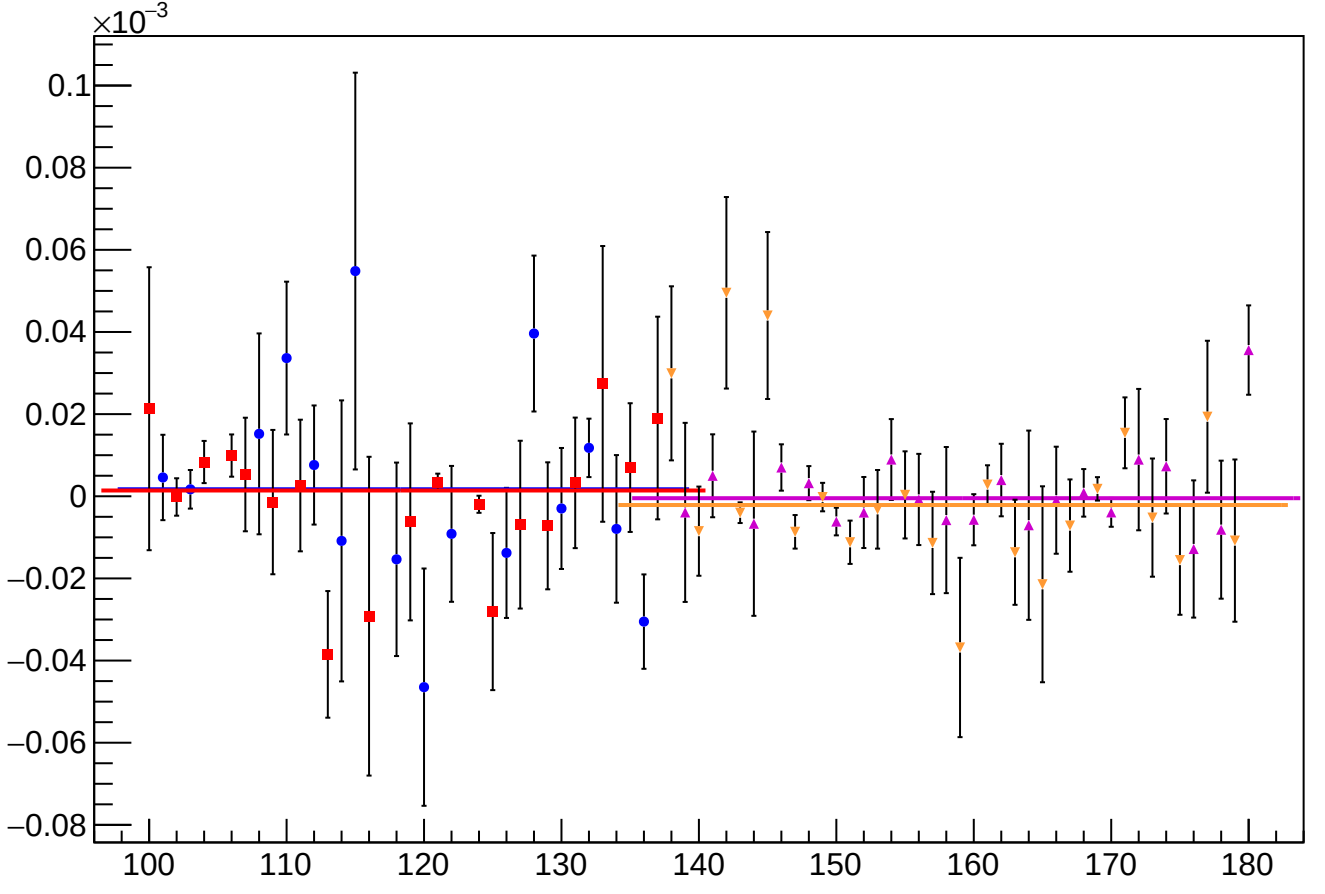
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 315.346+/-0.058 χ^2/NDF:3830031.2/20

+ sign 193.193+/-0.033 χ^2/NDF: 12568343.6/37

All: 183.062+/-0.022 χ^2/NDF: 26898695.4/77

- 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:33.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

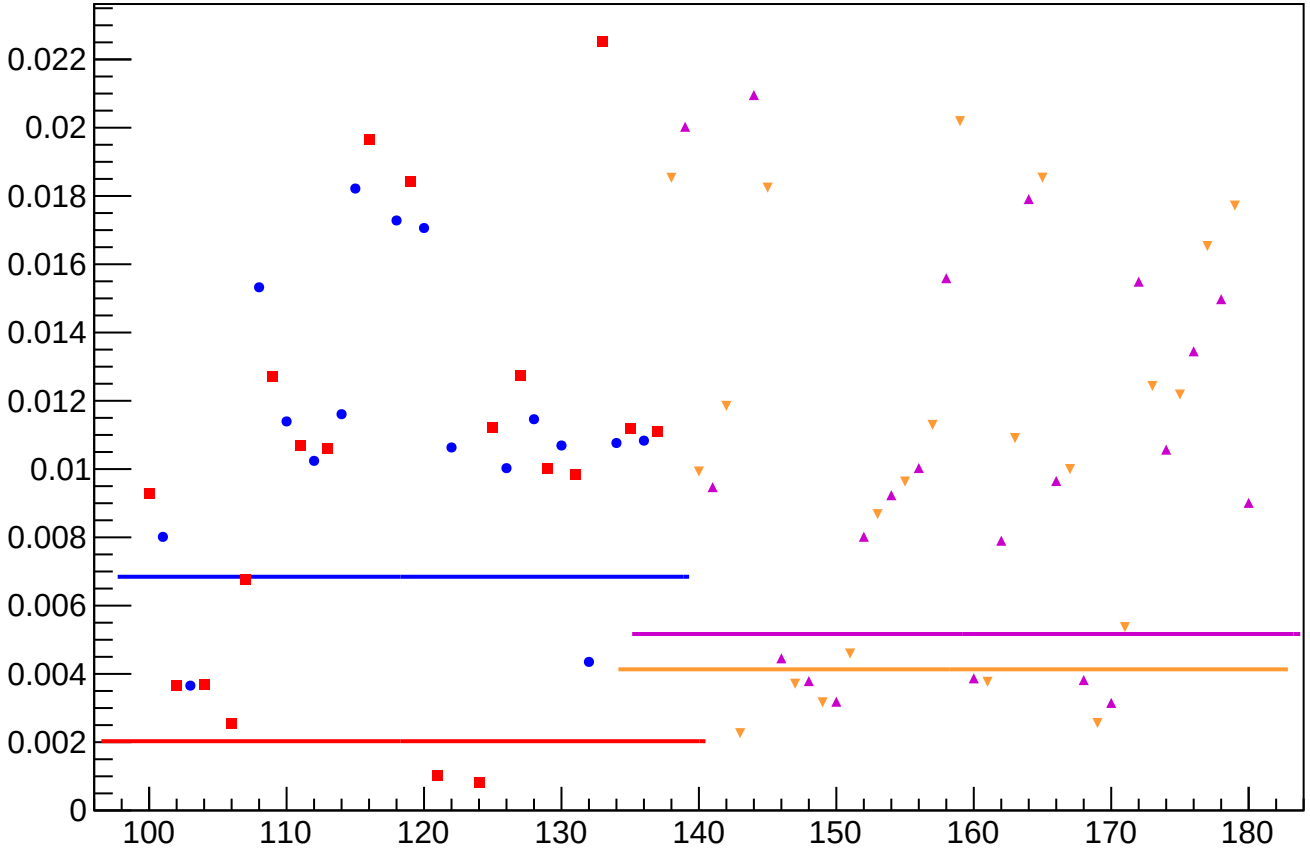
Left In: -0.000+/-0.000 χ^2/NDF:21.5/20

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

All: -0.000+/-0.000 χ^2/NDF: 103.5/77

- sign 0.000+/-0.000 χ^2/NDF: 42.6/39

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:12442672.2/21

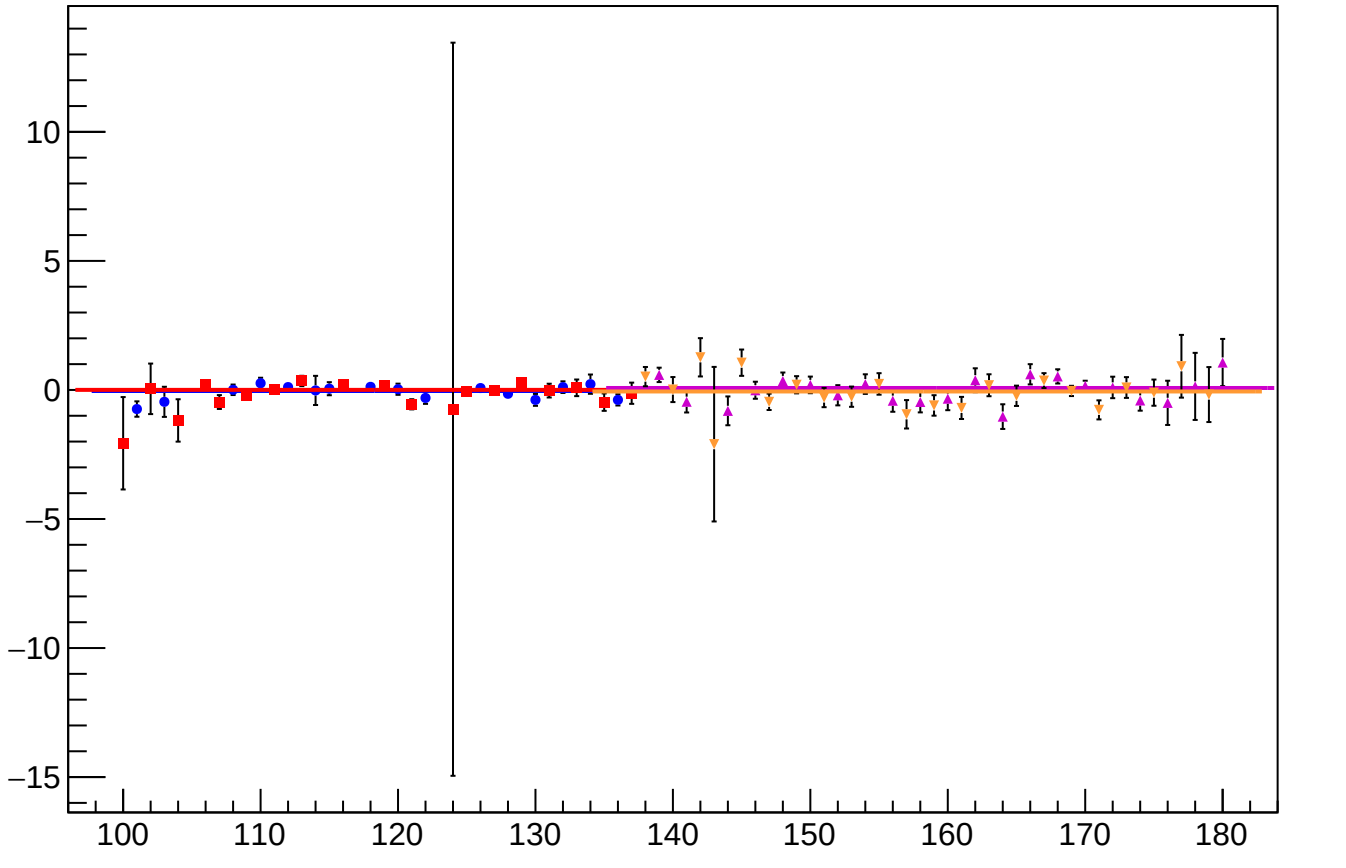
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:9338999.8/20

+ sign 0.005+/-0.000 χ^2/NDF: 17075089.7/37

All: 0.004+/-0.000 χ^2/NDF: 41772655.8/77

- 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: -0.059+/-0.085 χ^2/NDF:28.1/21

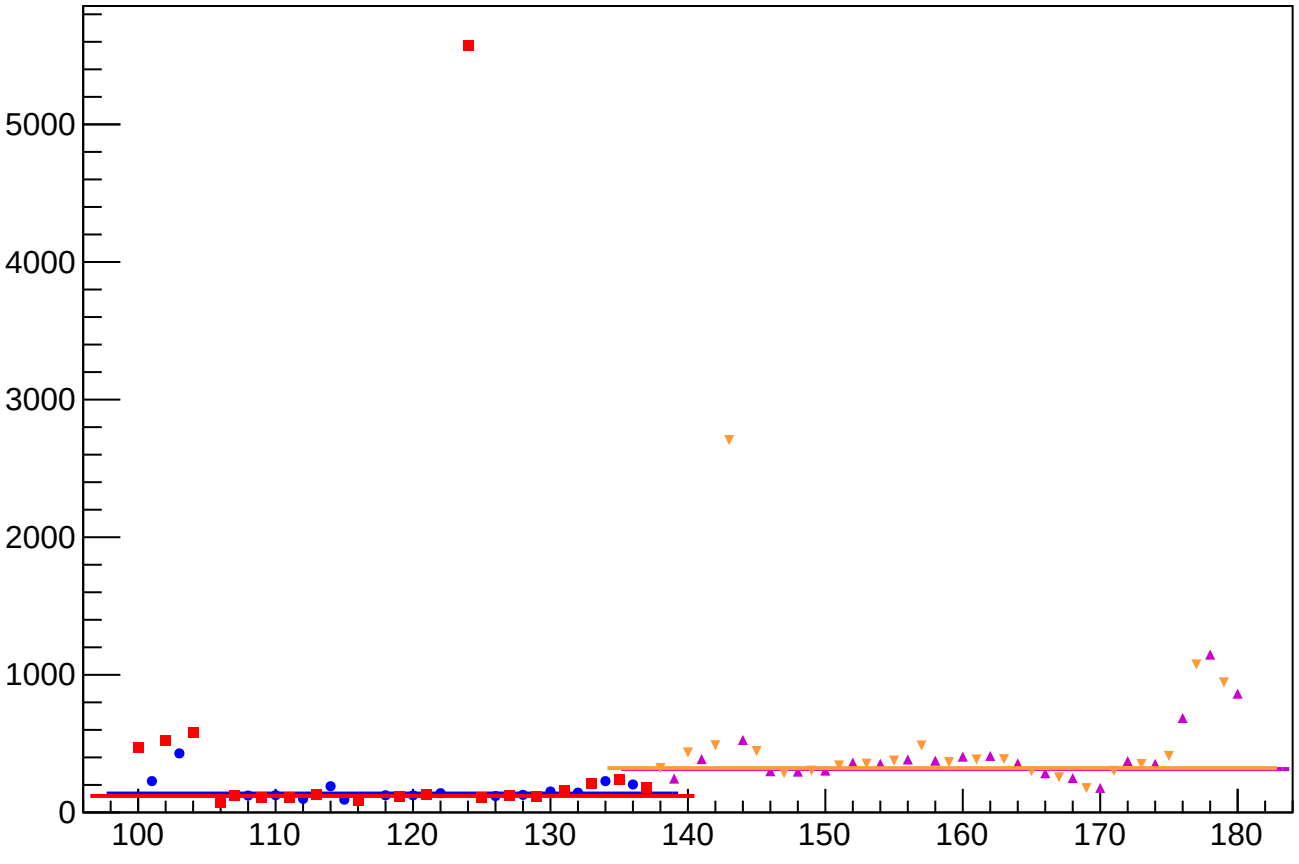
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.076+/-0.082 χ^2/NDF:26.6/20

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/37

All: -0.008+/-0.032 χ^2/NDF: 103.0/77

- 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: 322.021+/-0.060 χ^2/NDF:4688564.3/21

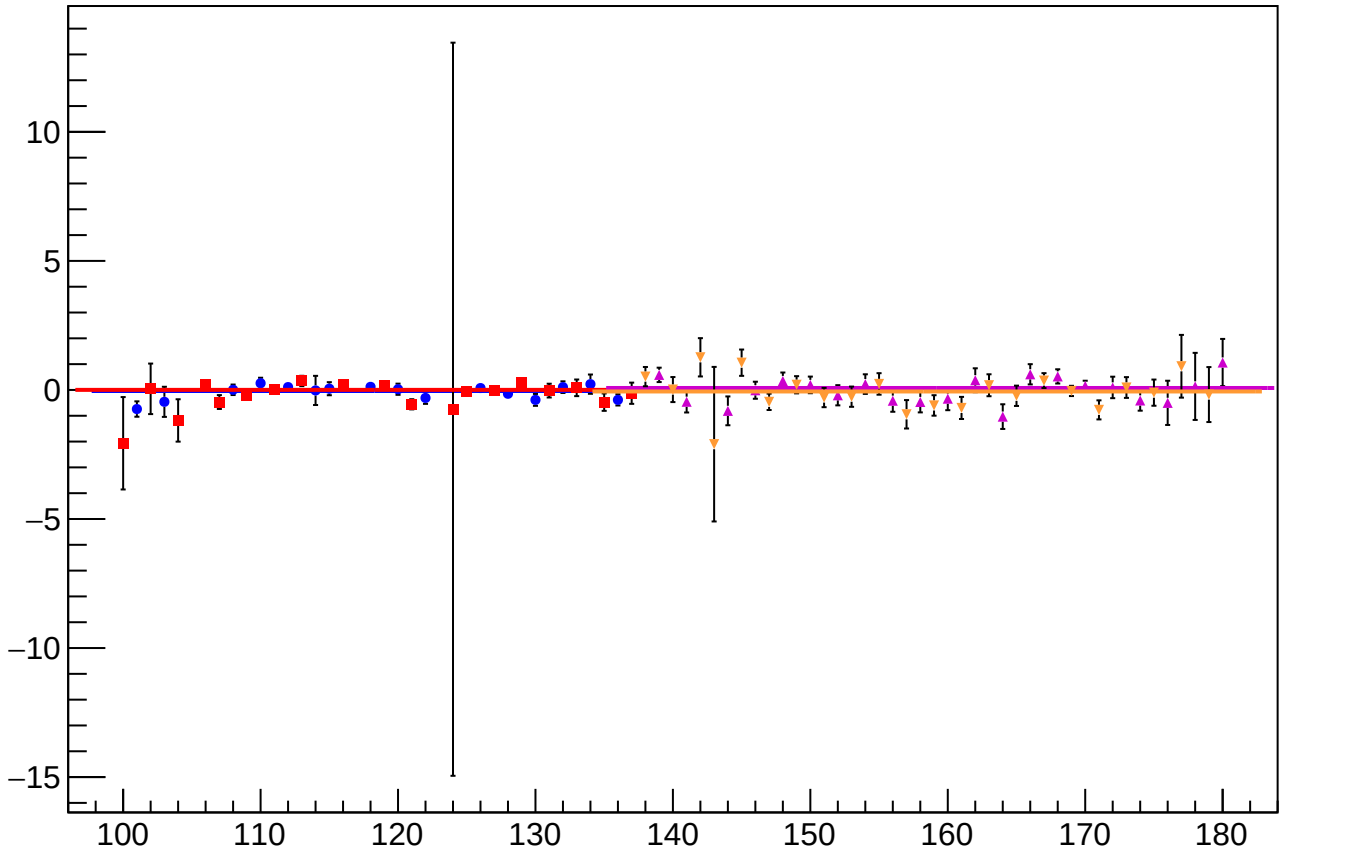
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 315.349+/-0.058 χ^2/NDF:3830031.3/20

+ sign 193.194+/-0.033 χ^2/NDF: 12568325.0/37

All: 183.063+/-0.022 χ^2/NDF: 26898755.6/77

- 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: -0.059+/-0.085 χ^2/NDF:28.1/21

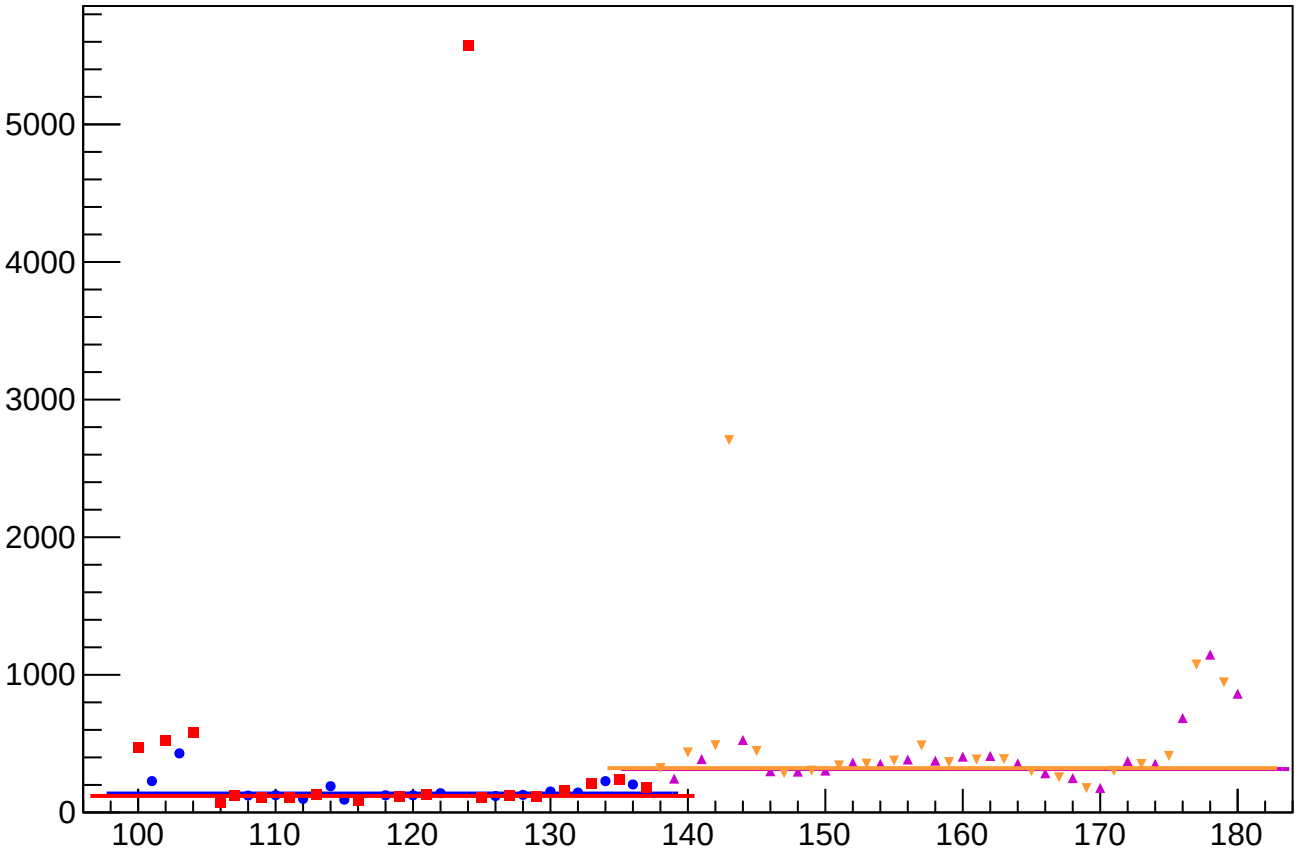
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.076+/-0.082 χ^2/NDF:26.6/20

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/37

All: -0.008+/-0.032 χ^2/NDF: 103.0/77

- 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: 322.021+/-0.060 χ^2/NDF:4688564.3/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

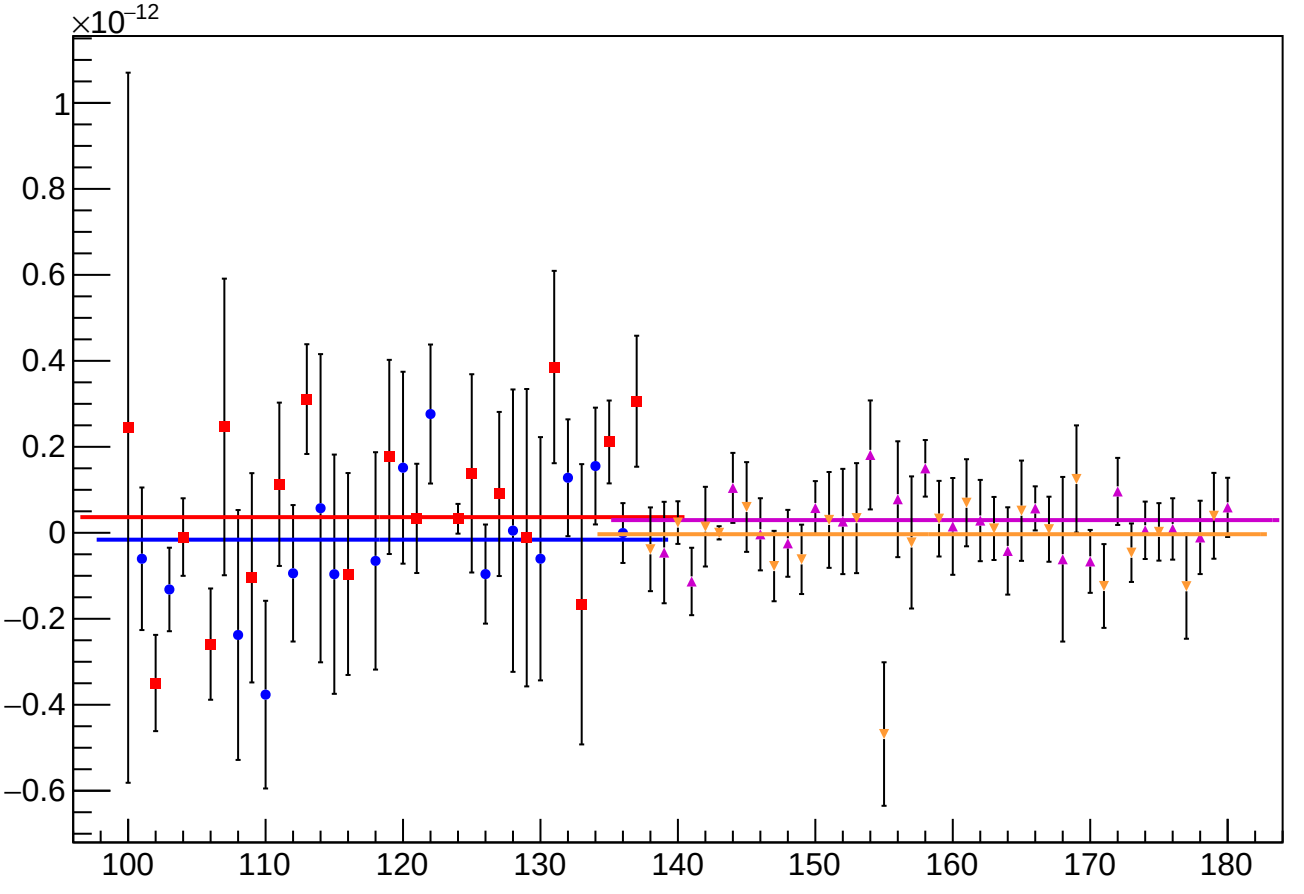
Left In: 315.349+/-0.058 χ^2/NDF:3830031.3/20

+ sign 193.194+/-0.033 χ^2/NDF: 12568325.0/37

All: 183.063+/-0.022 χ^2/NDF: 26898755.6/77

- sign 174.339+/-0.031 χ^2/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:15.3/21

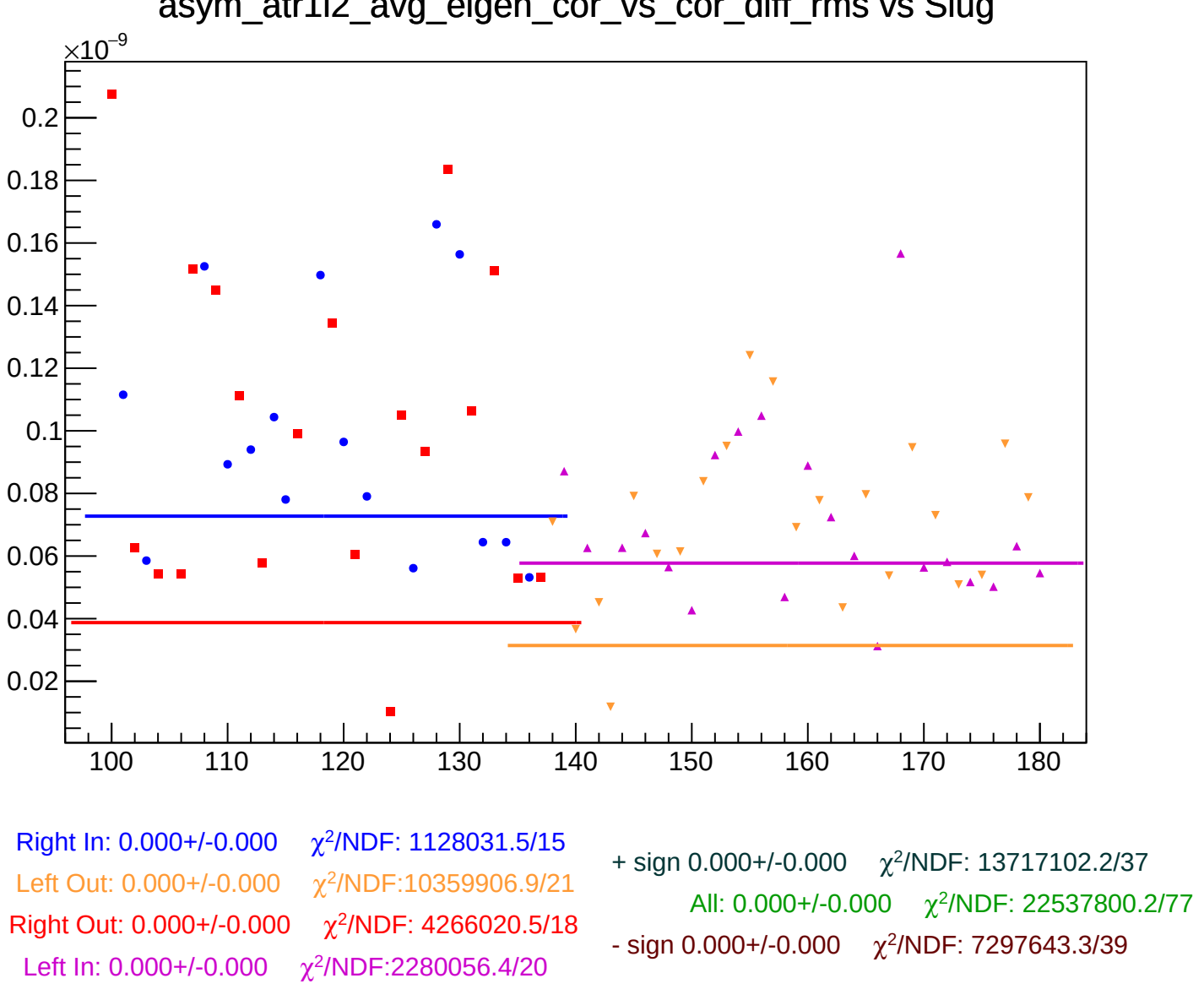
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/20

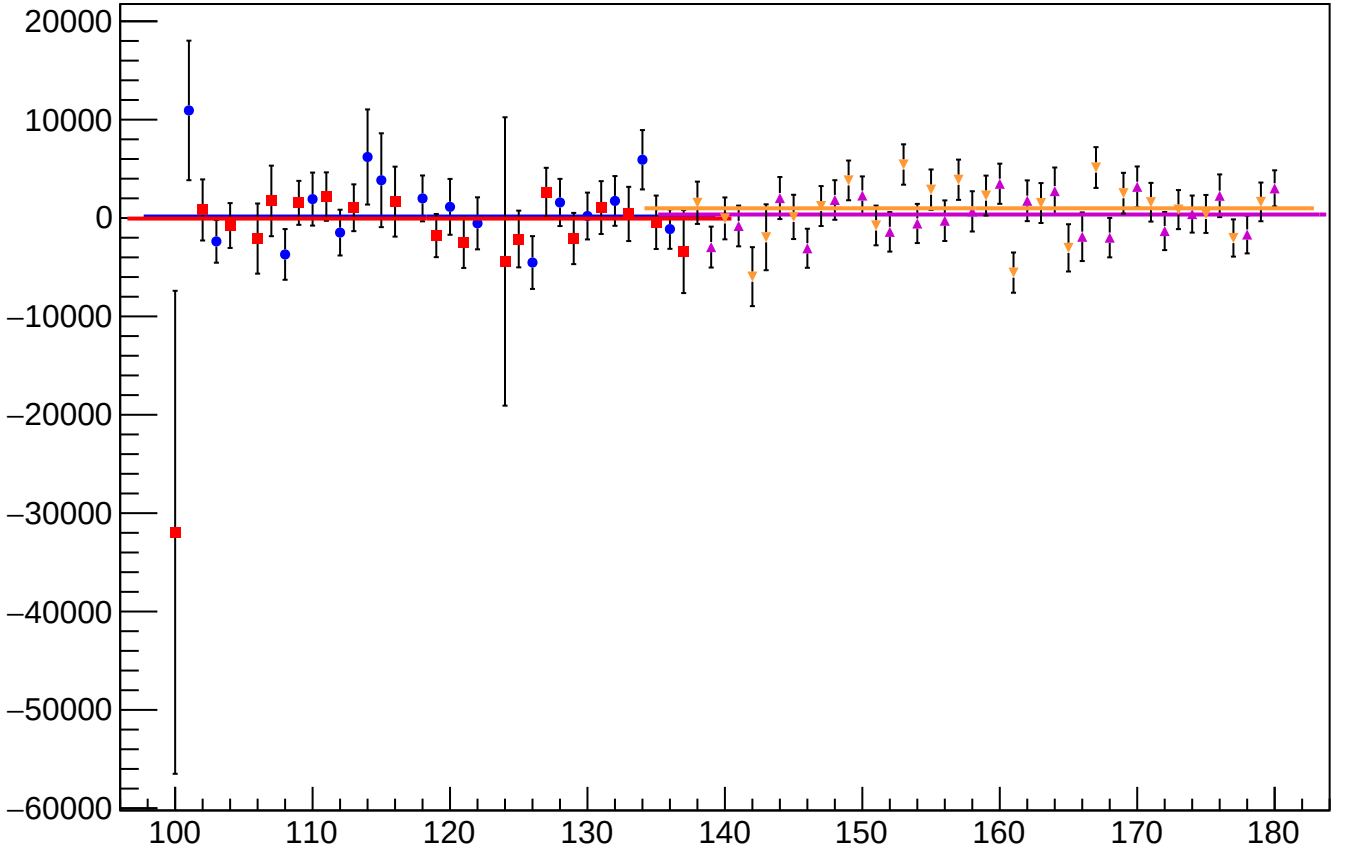
+ sign -0.000+/-0.000 χ^2/NDF: 27.7/37

All: 0.000+/-0.000 χ^2/NDF: 79.2/77

- 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:10359906.9/21
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: 13717102.2/37
All: 0.000+/-0.000 χ²/NDF: 22537800.2/77
- 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: 990.418+/-448.871 χ^2/NDF:37.8/21

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

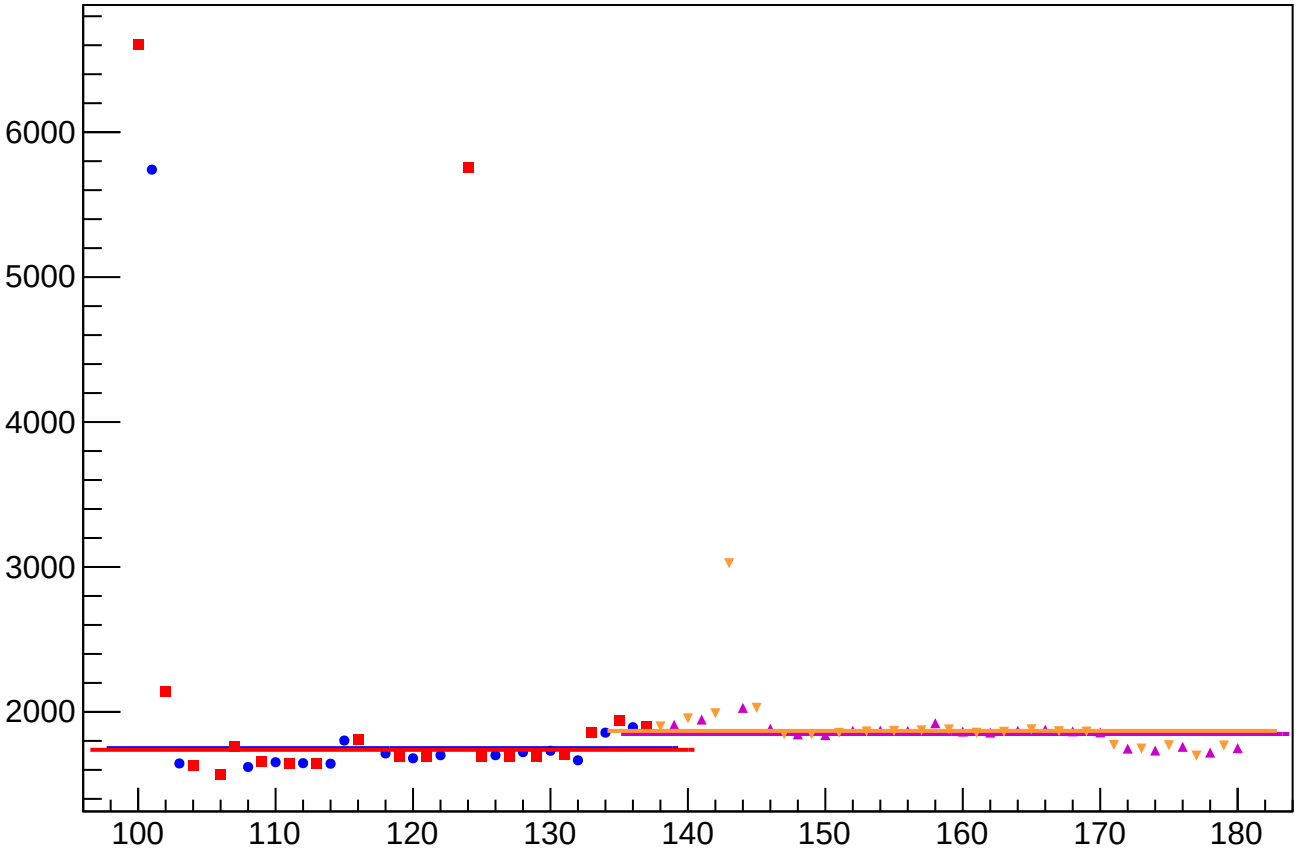
Left In: 357.003+/-445.170 χ^2/NDF:21.7/20

+ sign 728.687+/-372.401 χ^2/NDF: 56.5/37

All: 475.108+/-261.840 χ^2/NDF: 88.4/77

- 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: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

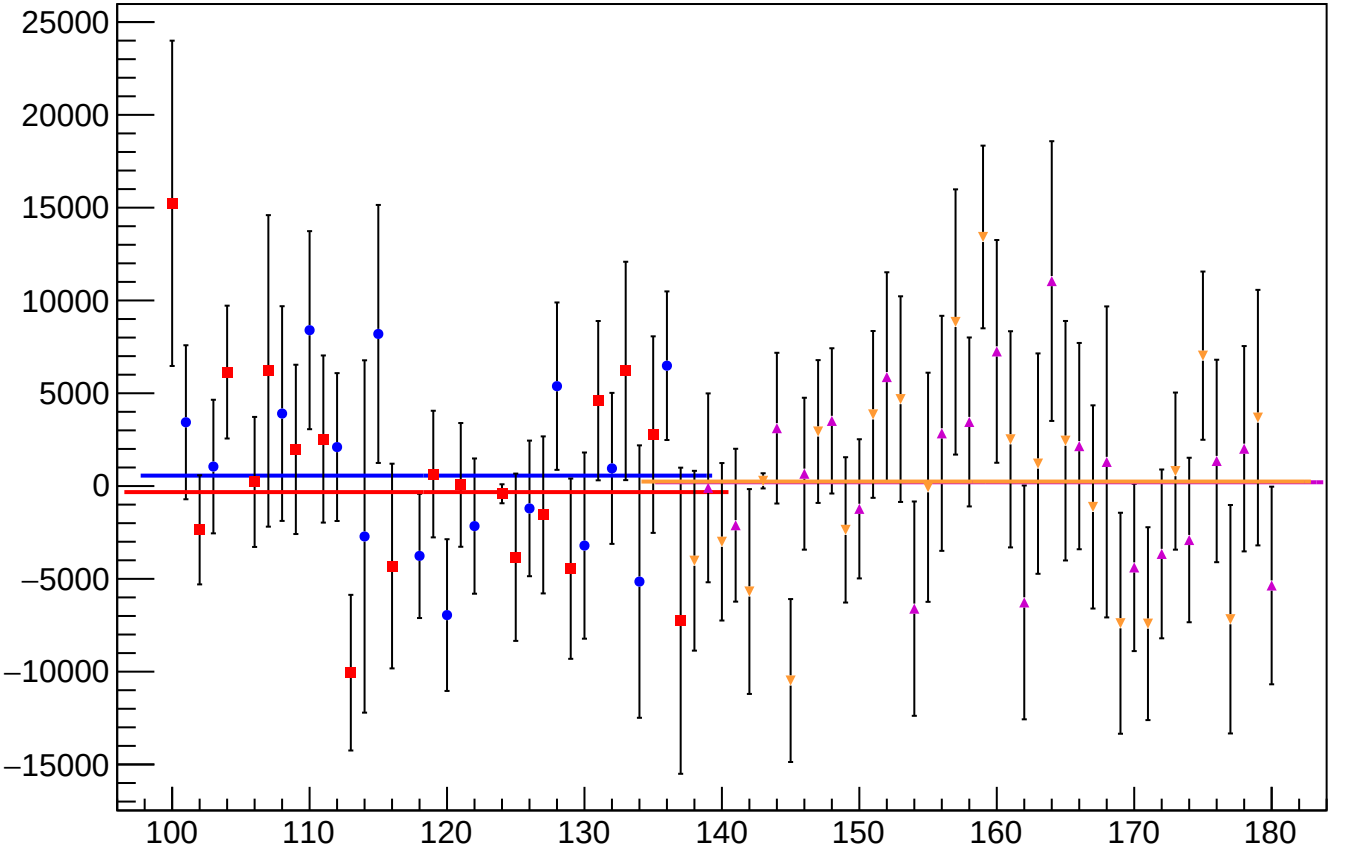
Left In: 1847.567+/-0.315 χ^2/NDF:56391.3/20

+ sign 1831.981+/-0.263 χ^2/NDF: 1009220.1/37

All: 1822.247+/-0.185 χ^2/NDF: 1411099.9/77

- 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: 242.416+/-383.692 χ^2/NDF:27.5/21

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

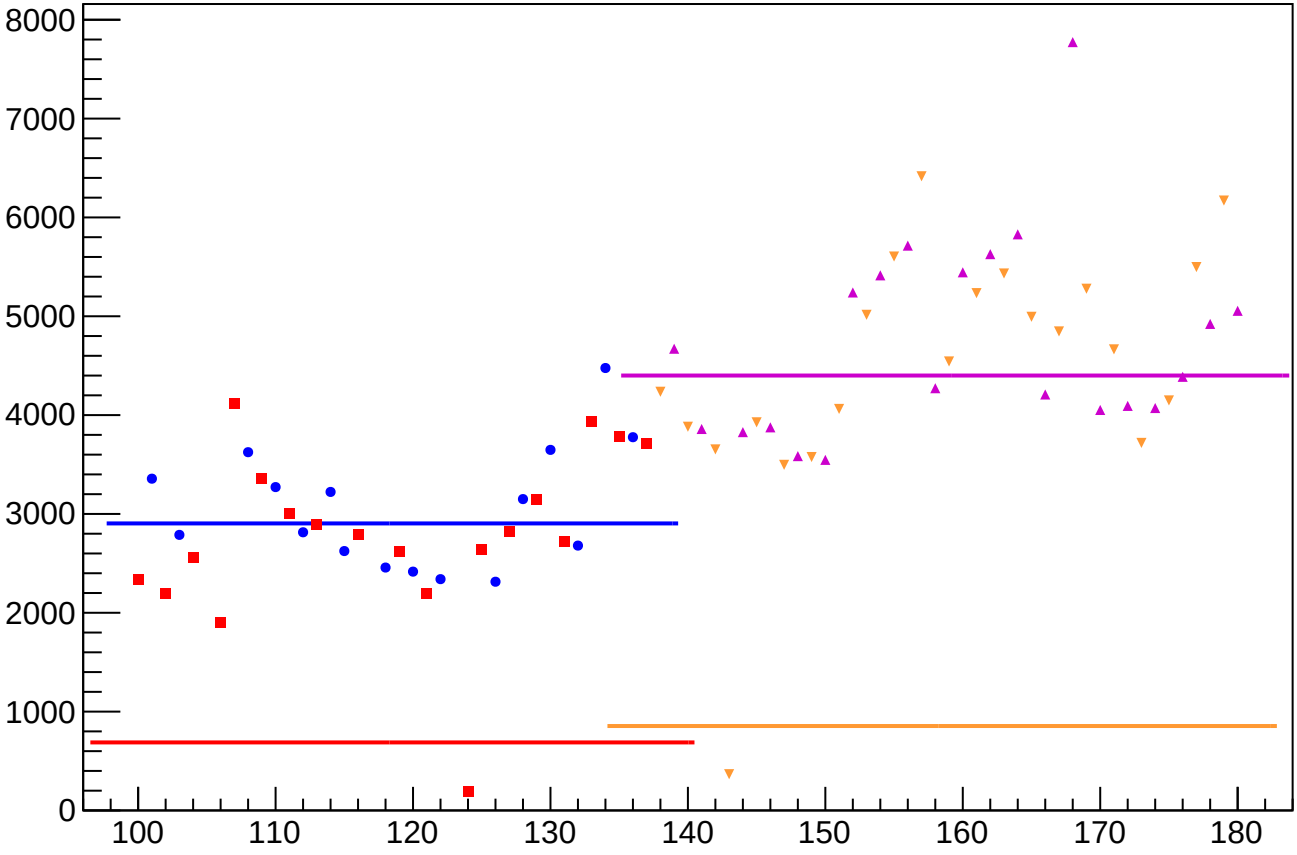
Left In: 203.929+/-1080.748 χ^2/NDF:12.9/20

+ sign 277.053+/-362.327 χ^2/NDF: 42.4/37

All: 55.323+/-274.807 χ^2/NDF: 75.6/77

- 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: 854.247+/-0.271 χ^2/NDF:24596558.6/21

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

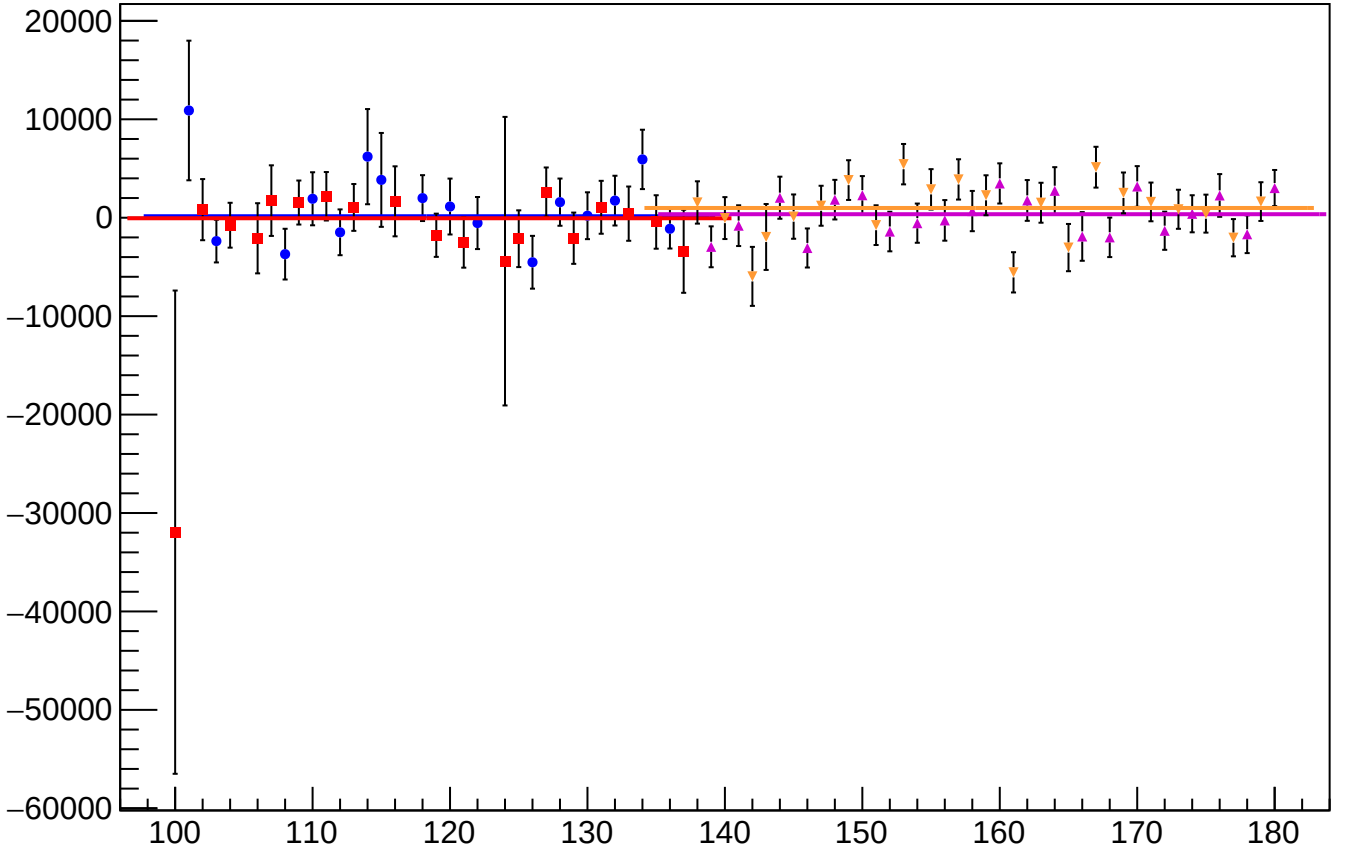
Left In: 4400.391+/-0.764 χ^2/NDF:1112027.5/20

+ sign 1076.175+/-0.256 χ^2/NDF: 31256349.6/37

All: 1151.437+/-0.194 χ^2/NDF: 62723568.0/7

- 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: 990.415+/-448.871 χ^2/NDF:37.8/21

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

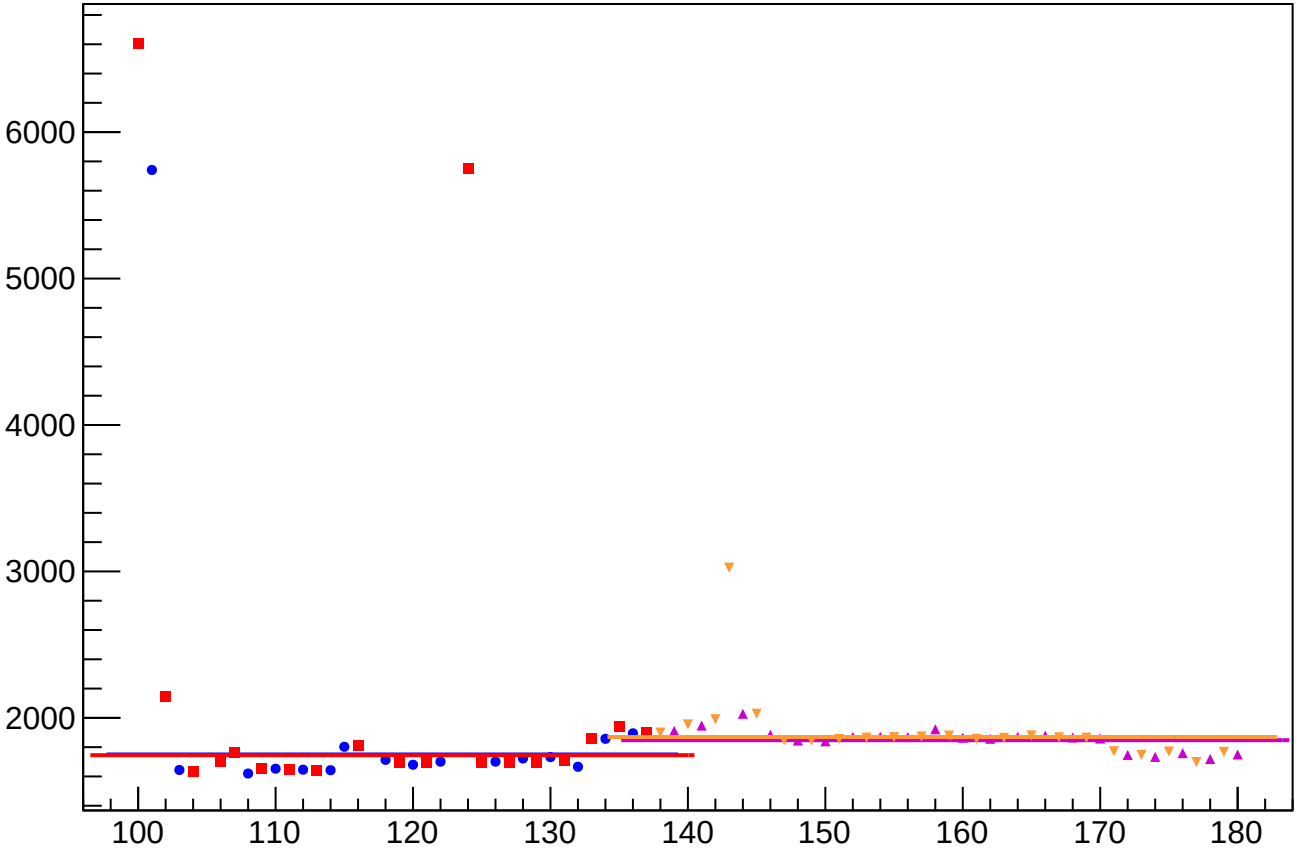
Left In: 356.926+/-445.170 χ^2/NDF:21.7/20

+ sign 728.539+/-372.401 χ^2/NDF: 56.5/37

All: 475.000+/-261.840 χ^2/NDF: 88.3/77

- 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: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

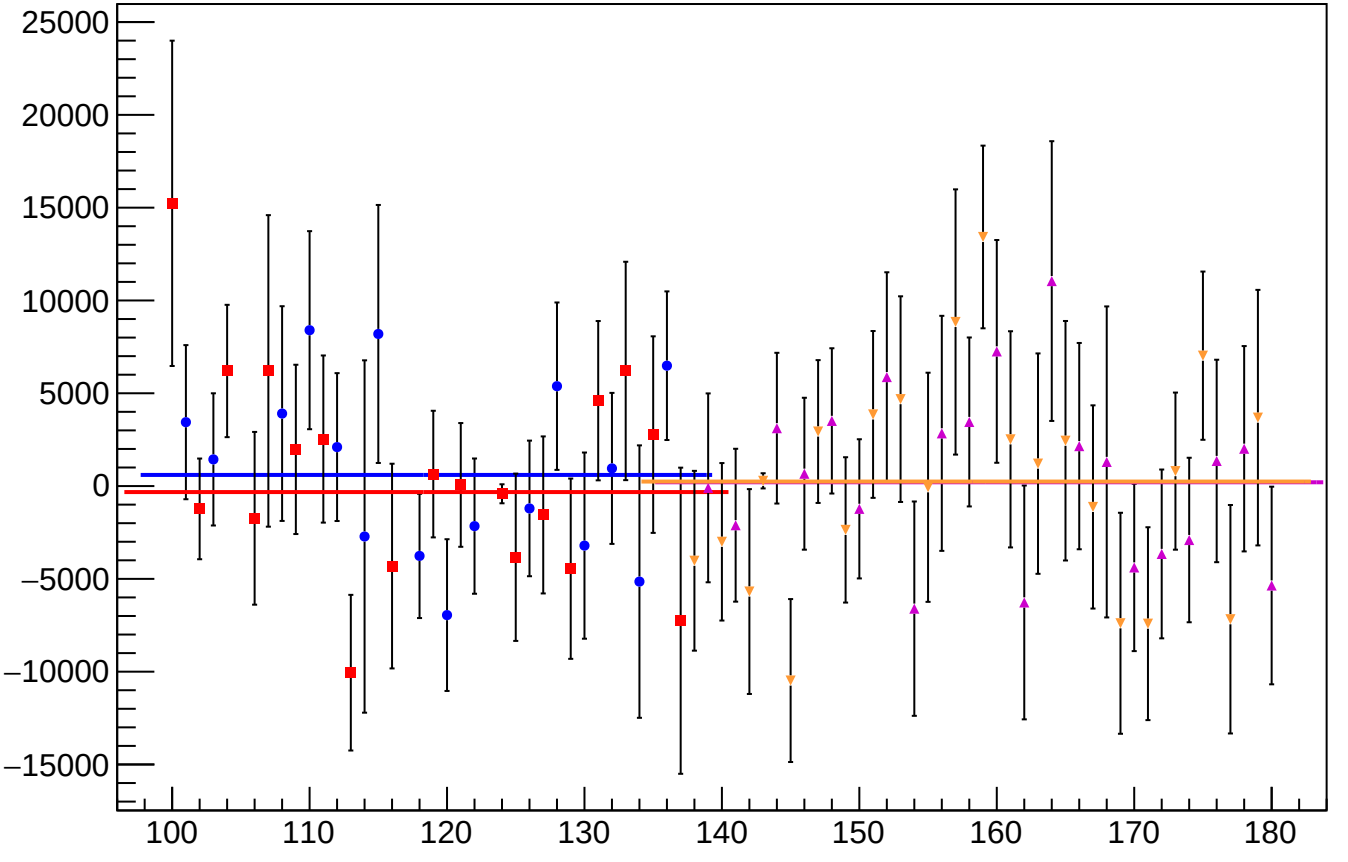
Left In: 1847.567+/-0.315 χ^2/NDF:56391.3/20

+ sign 1831.981+/-0.263 χ^2/NDF: 1009220.5/37

All: 1823.420+/-0.185 χ^2/NDF: 1399254.2/77

- 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: 243.332+/-383.722 χ^2/NDF:27.5/21

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

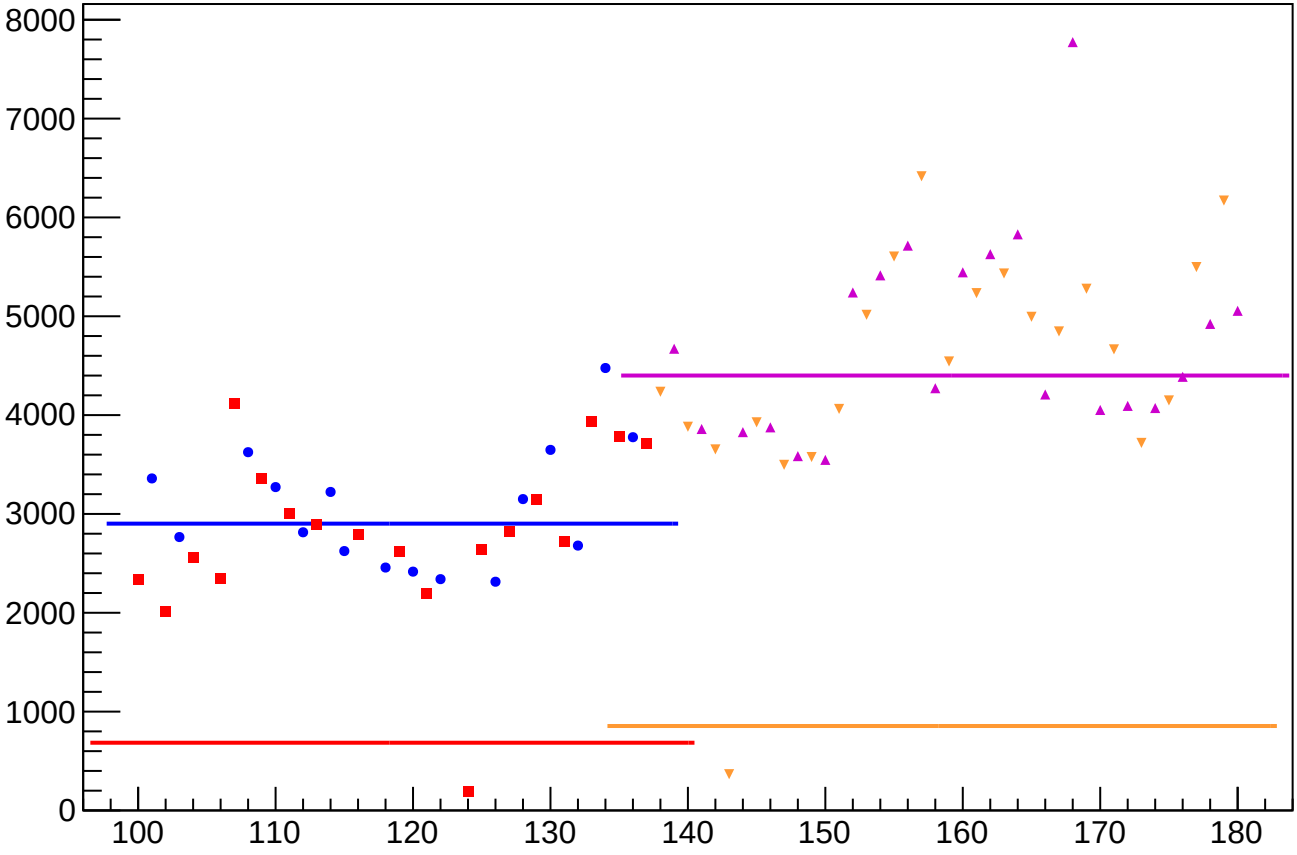
Left In: 203.988+/-1080.746 χ^2/NDF:12.9/20

+ sign 282.040+/-362.315 χ^2/NDF: 42.4/37

All: 59.617+/-274.999 χ^2/NDF: 75.4/77

- 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: 854.360+/-0.271 χ^2/NDF:24595578.4/21

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

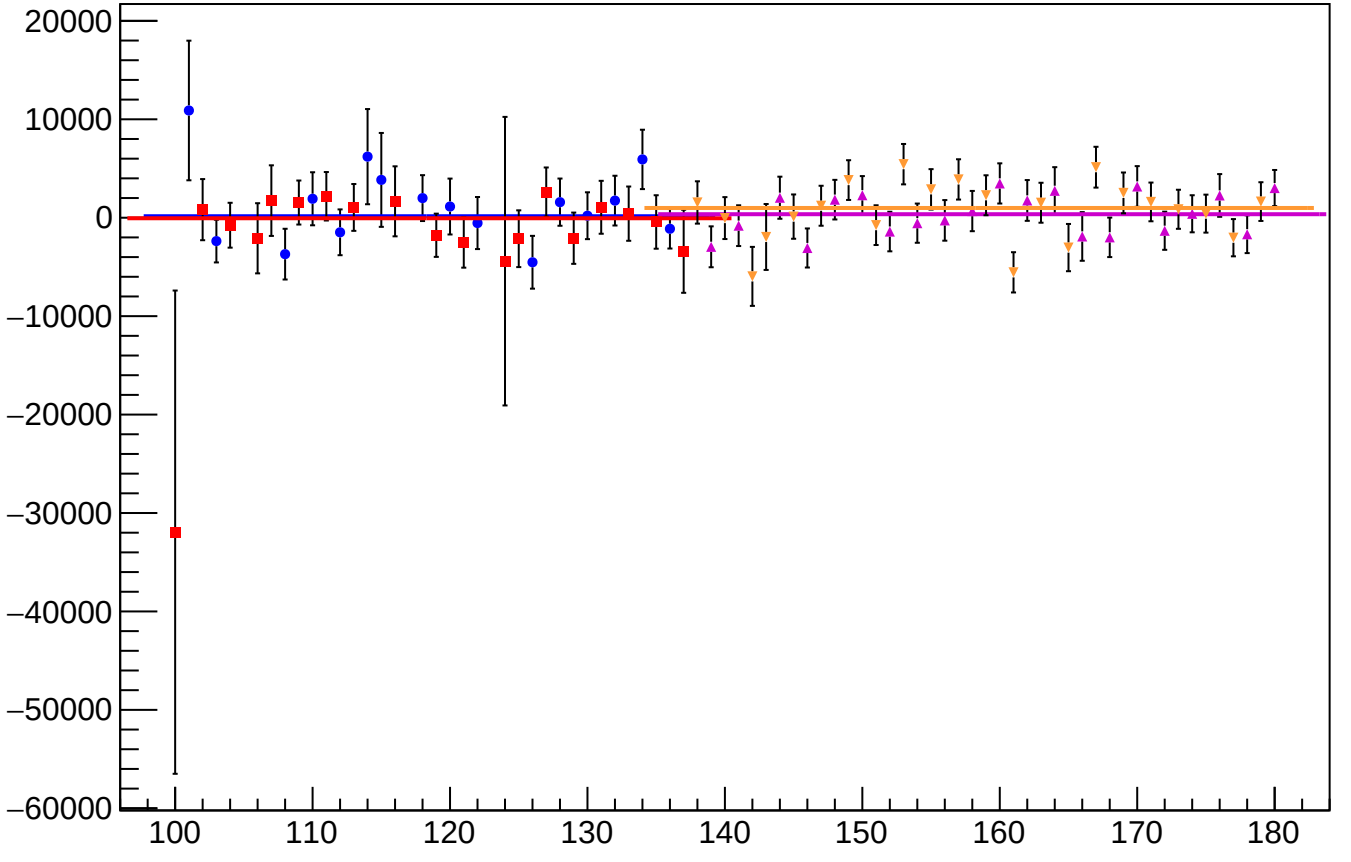
Left In: 4400.380+/-0.764 χ^2/NDF:1112042.0/20

+ sign 1076.441+/-0.256 χ^2/NDF: 31252874.1/37

All: 1151.153+/-0.194 χ^2/NDF: 62695233.5/7

- 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: 990.415+/-448.871 χ^2/NDF:37.8/21

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

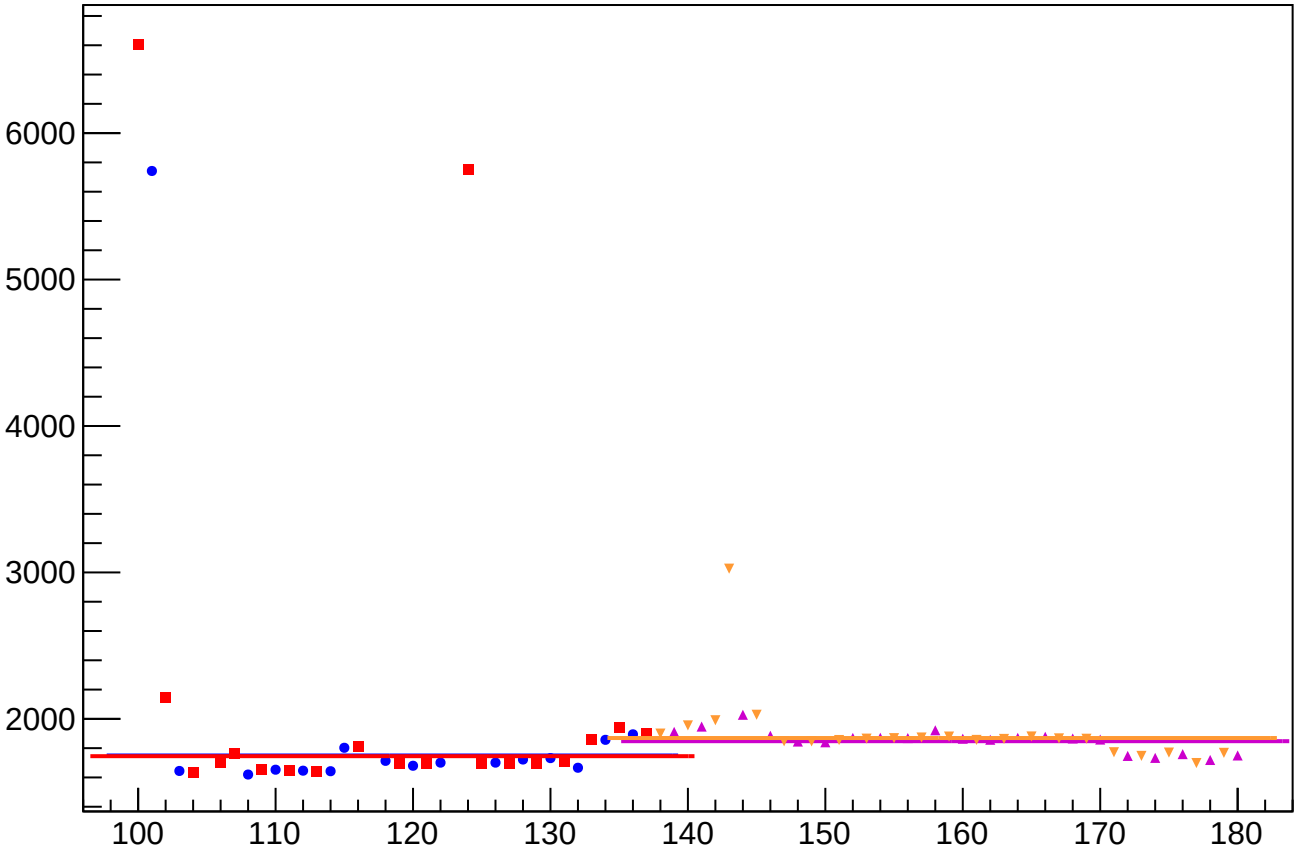
Left In: 356.926+/-445.170 χ^2/NDF:21.7/20

+ sign 728.539+/-372.401 χ^2/NDF: 56.5/37

All: 475.000+/-261.840 χ^2/NDF: 88.3/77

- 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: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

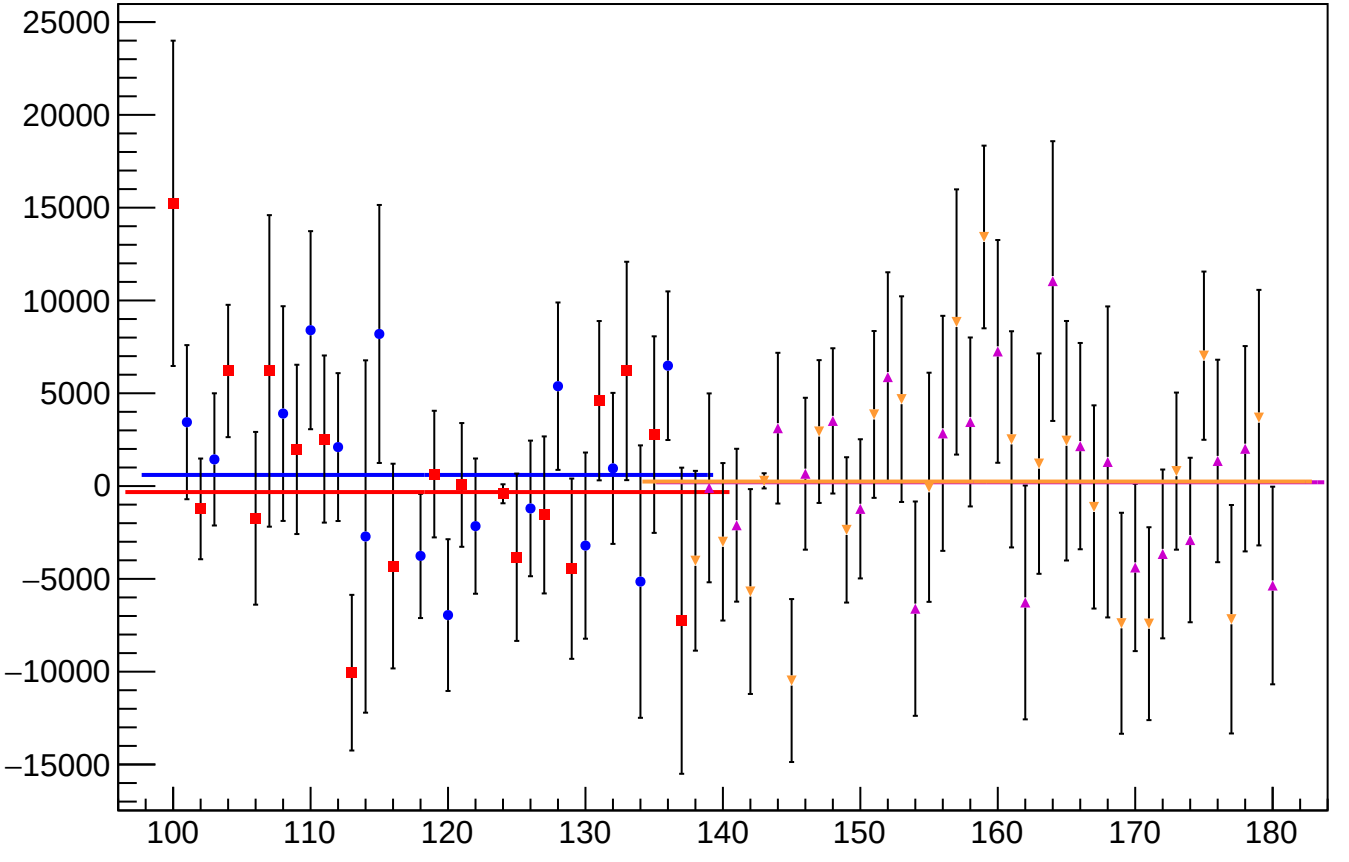
Left In: 1847.567+/-0.315 χ^2/NDF:56391.3/20

+ sign 1831.981+/-0.263 χ^2/NDF: 1009220.5/37

All: 1823.420+/-0.185 χ^2/NDF: 1399254.2/77

- 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: 243.332+/-383.722 χ^2/NDF:27.5/21

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

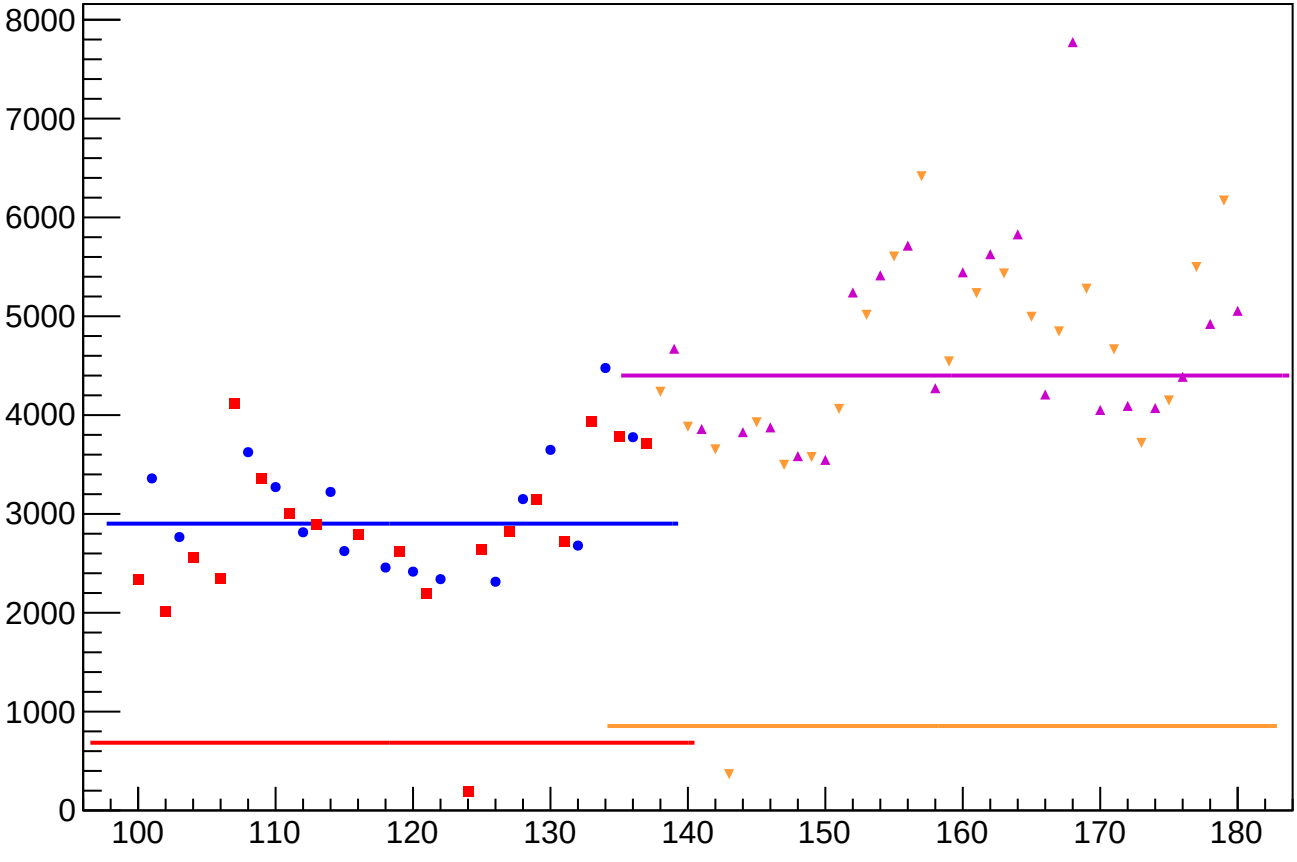
Left In: 203.988+/-1080.746 χ^2/NDF:12.9/20

+ sign 282.040+/-362.315 χ^2/NDF: 42.4/37

All: 59.617+/-274.999 χ^2/NDF: 75.4/77

- 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: 854.360+/-0.271 χ^2/NDF:24595578.4/21

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

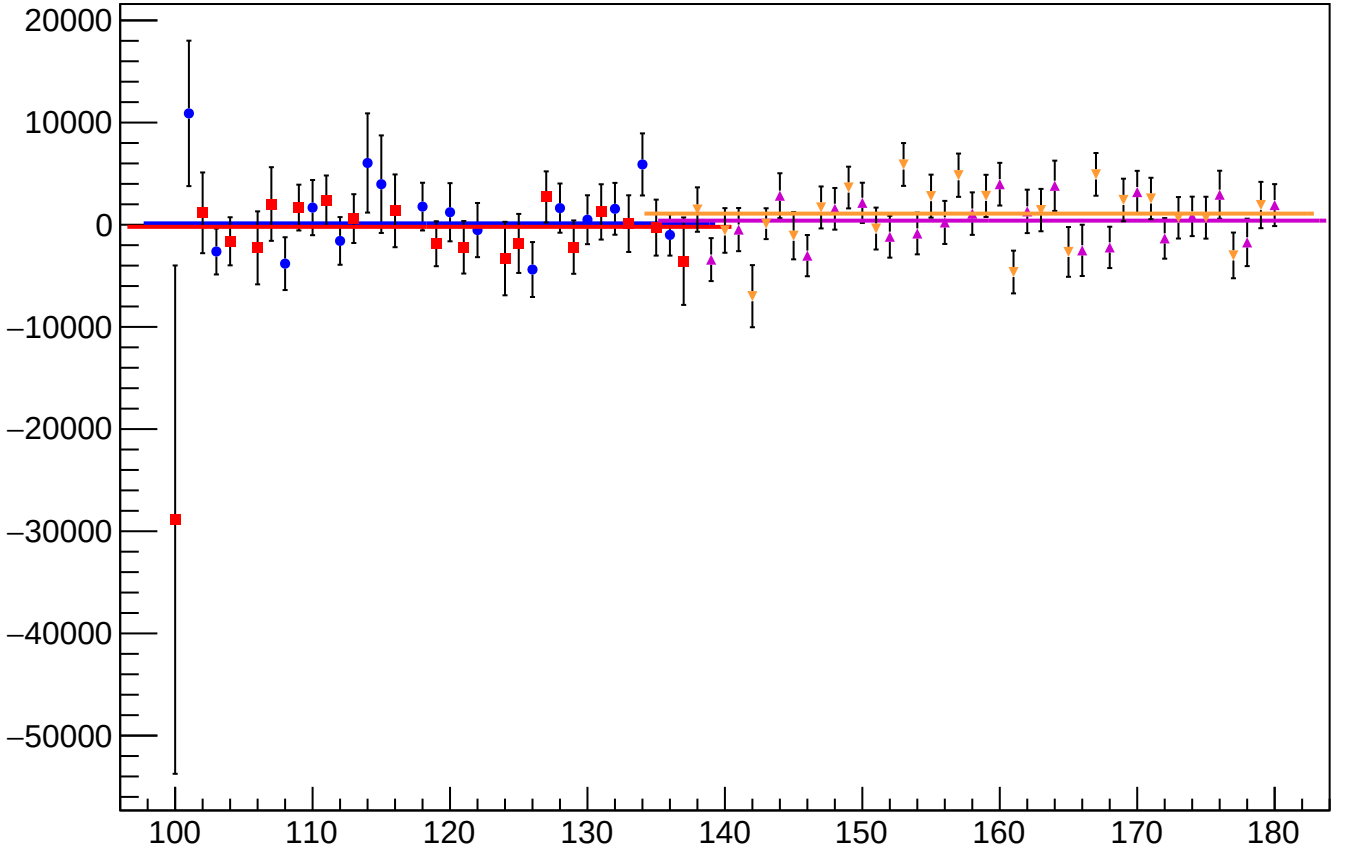
Left In: 4400.380+/-0.764 χ^2/NDF:1112042.0/20

+ sign 1076.441+/-0.256 χ^2/NDF: 31252874.1/37

All: 1151.153+/-0.194 χ^2/NDF: 62695233.5/7

- 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: 1089.677+/-447.691 χ^2/NDF:38.7/21

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

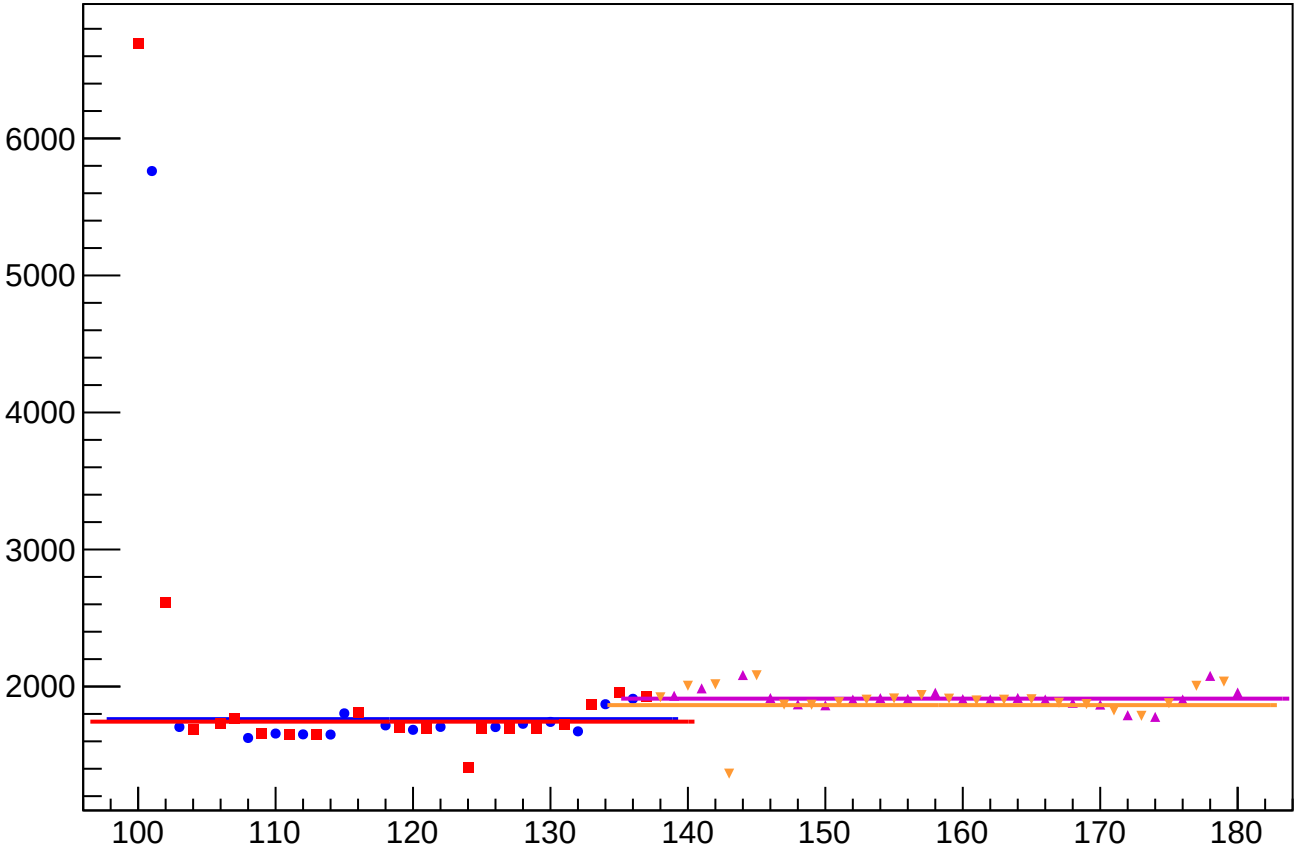
Left In: 401.569+/-460.597 χ^2/NDF:23.0/20

+ sign 795.624+/-372.516 χ^2/NDF: 57.3/37

All: 501.356+/-264.862 χ^2/NDF: 91.9/77

- 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: 1864.289+/-0.317 χ^2/NDF:282559.6/21

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

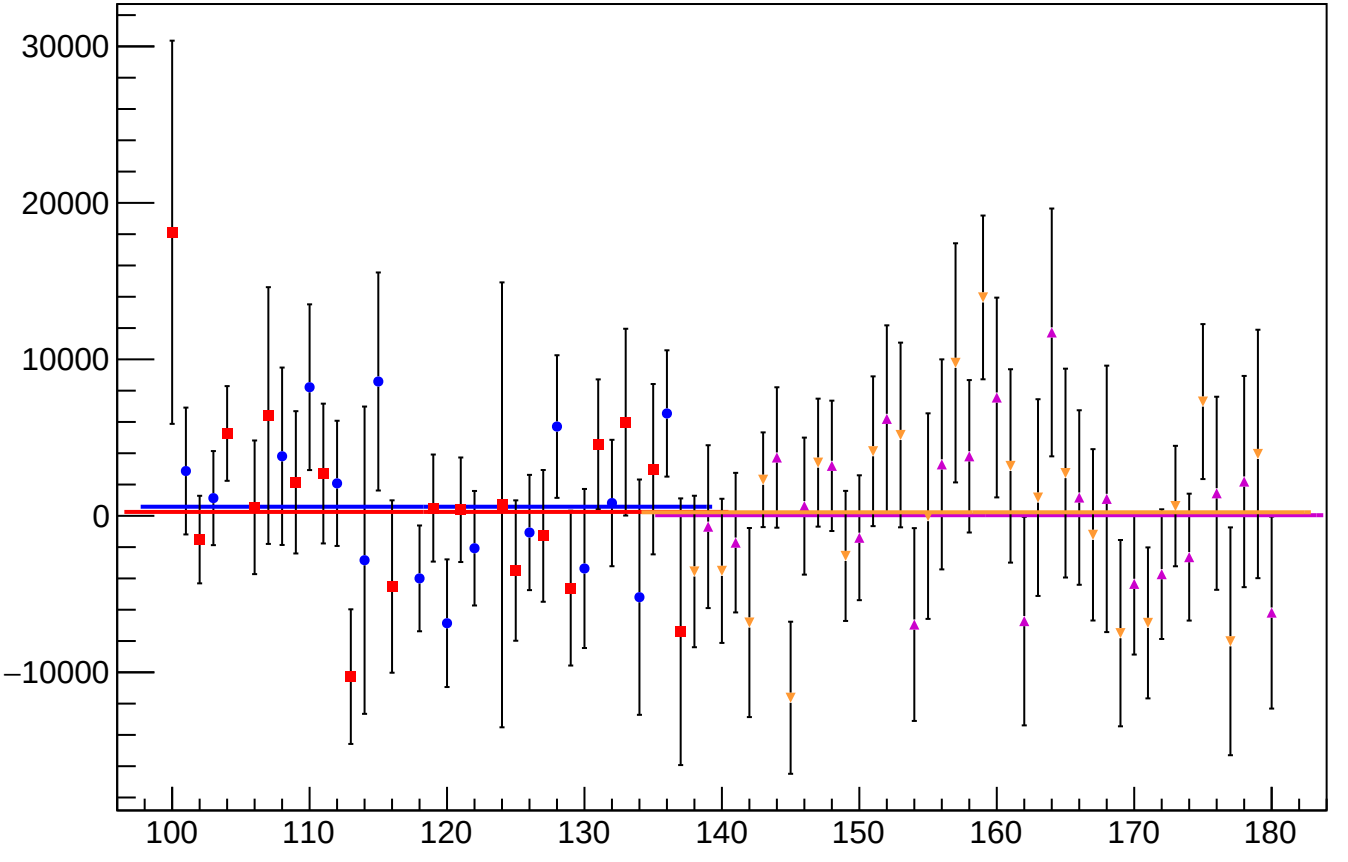
Left In: 1911.552+/-0.326 χ^2/NDF:47422.7/20

+ sign 1832.837+/-0.263 χ^2/NDF: 982343.4/37

All: 1844.174+/-0.187 χ^2/NDF: 1349569.4/77

- 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: 228.045+/-1080.169 χ^2/NDF:27.8/21

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

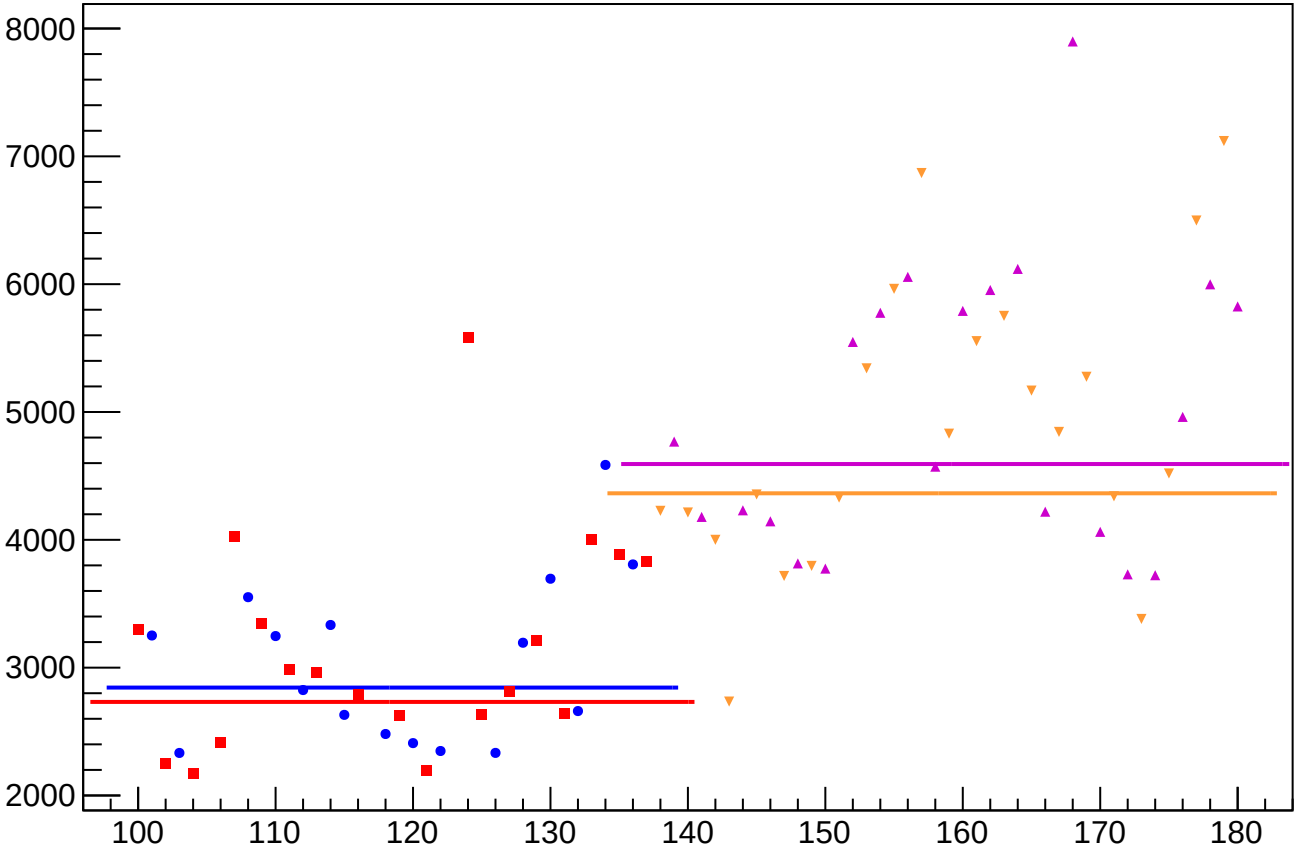
Left In: 40.188+/-1132.362 χ^2/NDF:12.8/20

+ sign 404.919+/-764.258 χ^2/NDF: 42.7/37

All: 279.502+/-538.288 χ^2/NDF: 73.5/77

- 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: 4363.922+/-0.764 χ^2/NDF:1890674.5/21

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

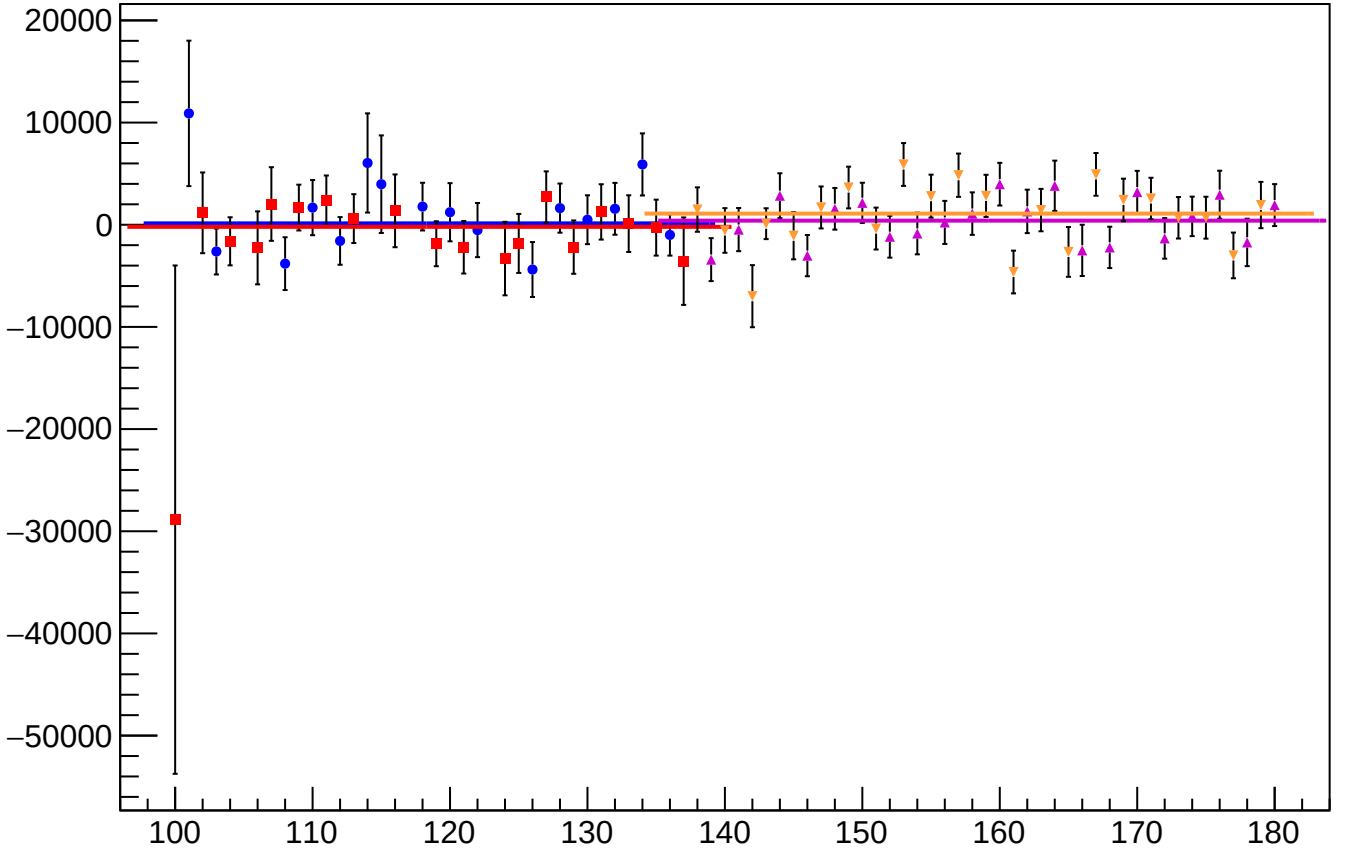
Left In: 4592.889+/-0.801 χ^2/NDF:1346882.2/20

\+ sign 3604.960+/-0.540 χ^2/NDF: 4409878.4/37

All: 3585.560+/-0.381 χ^2/NDF: 9349881.4/77

\- 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: 1089.678+/-447.691 χ^2/NDF:38.7/21

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

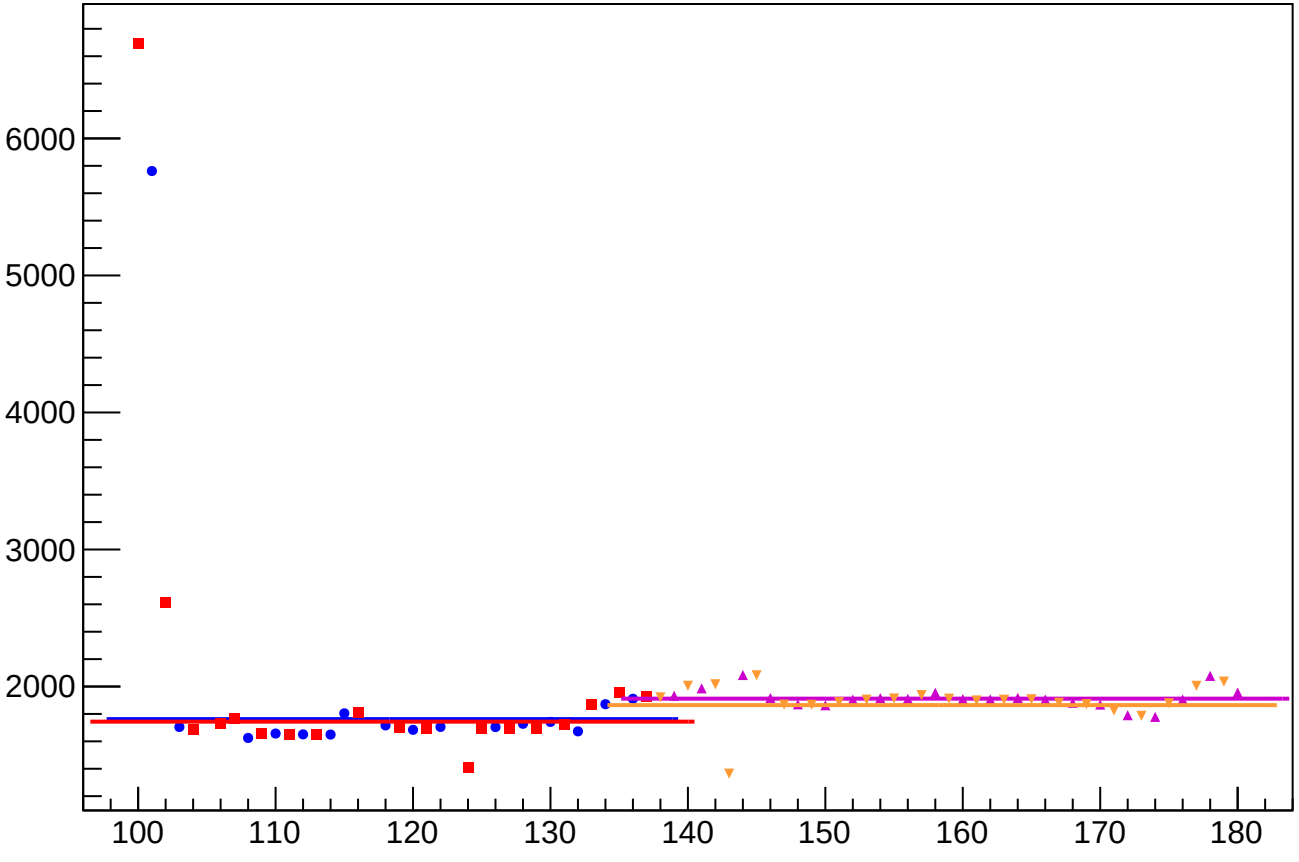
Left In: 401.570+/-460.597 χ^2/NDF:23.0/20

\+ sign 795.624+/-372.516 χ^2/NDF: 57.3/37

All: 501.357+/-264.862 χ^2/NDF: 91.9/77

\- 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: 1864.290+/-0.317 χ^2/NDF:282563.2/21

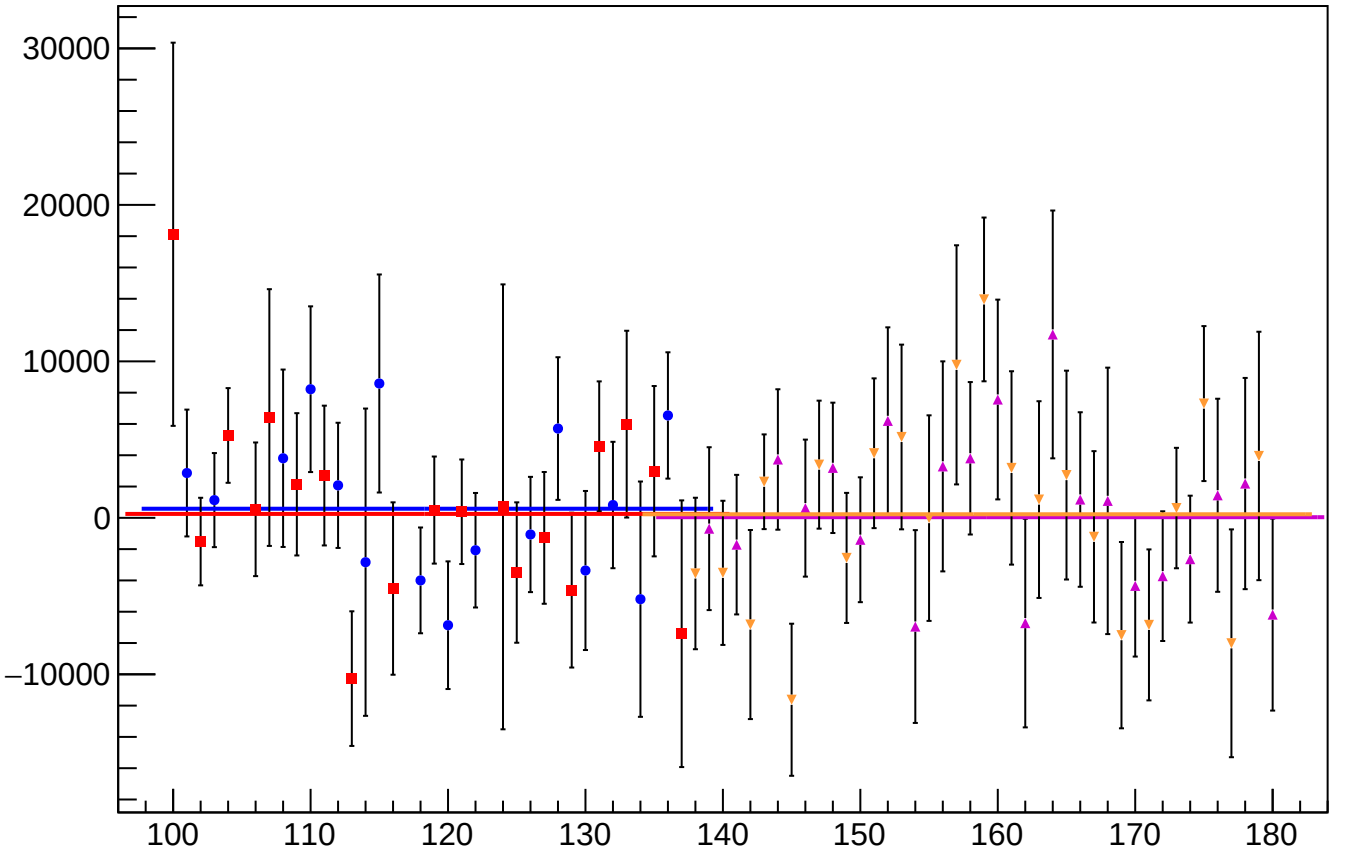
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1911.553+/-0.326 χ^2/NDF:47425.0/20

+ sign 1832.837+/-0.263 χ^2/NDF: 982347.5/37

All: 1844.175+/-0.187 χ^2/NDF: 1349576.9/77

- 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: 228.048+/-1080.171 χ^2/NDF:27.8/21

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

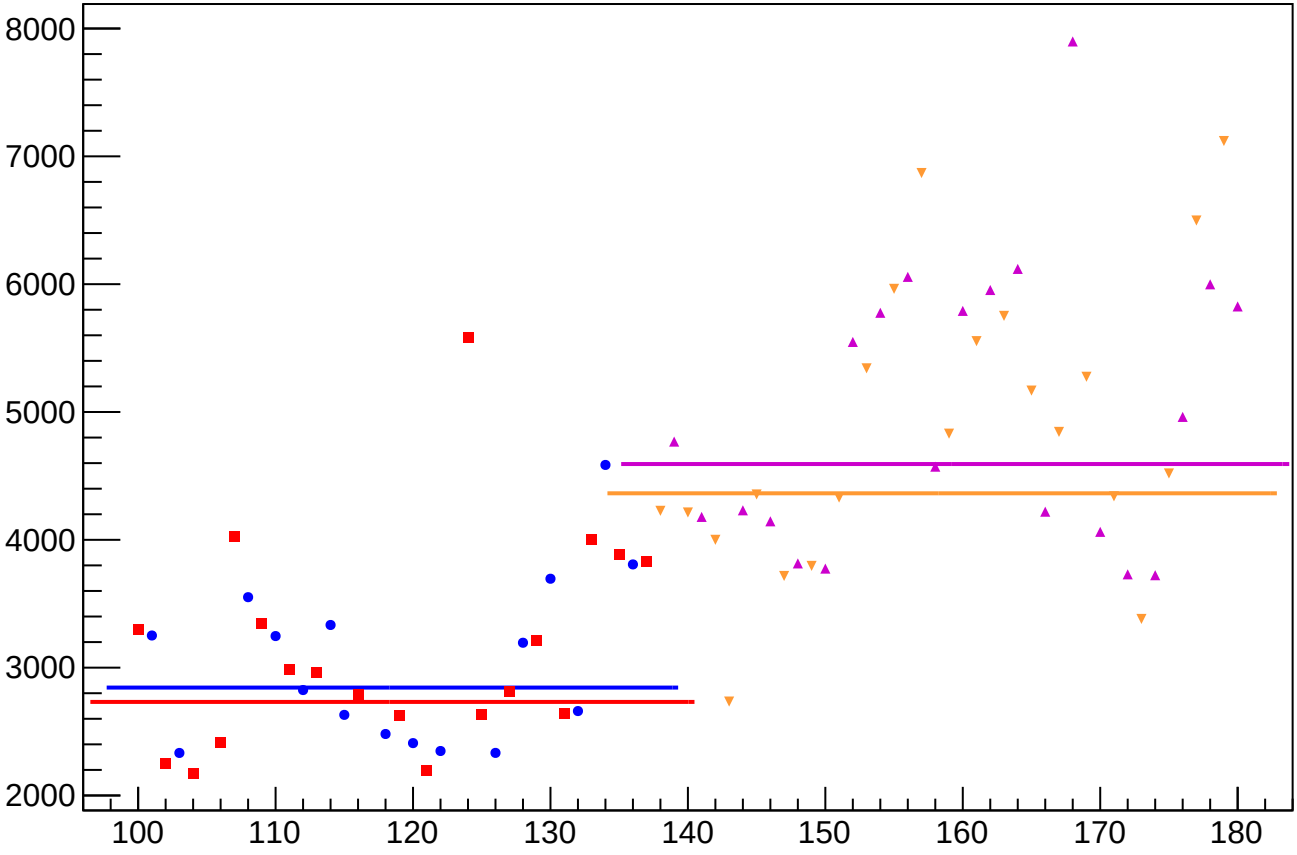
Left In: 40.189+/-1132.364 χ^2/NDF:12.8/20

+ sign 404.919+/-764.258 χ^2/NDF: 42.7/37

All: 279.503+/-538.287 χ^2/NDF: 73.5/77

- 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: 4363.929+/-0.764 χ^2/NDF:1890679.5/21

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

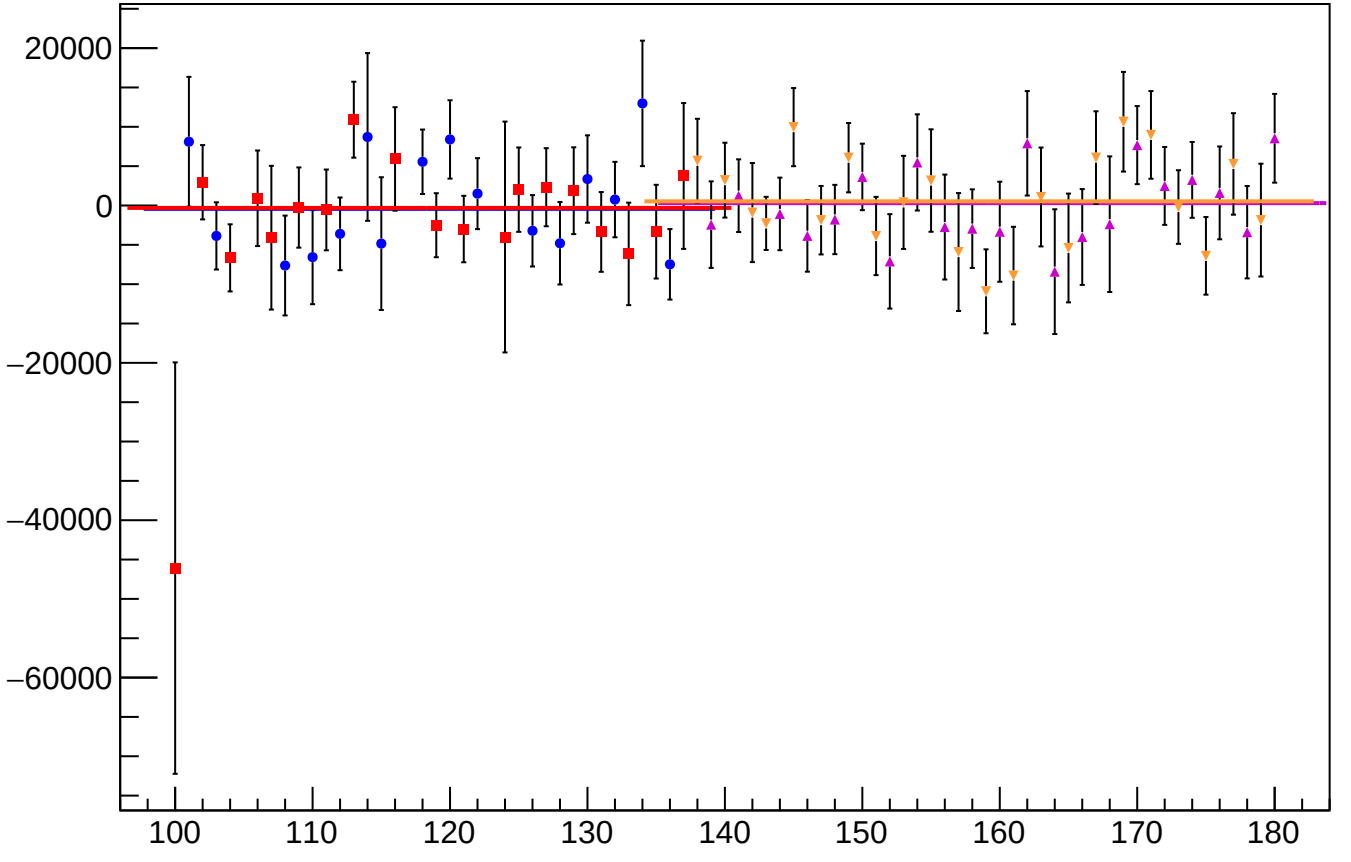
Left In: 4592.897+/-0.801 χ^2/NDF:1346882.7/20

+ sign 3604.956+/-0.540 χ^2/NDF: 4409927.0/37

All: 3585.557+/-0.381 χ^2/NDF: 9349971.8/77

- 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: 530.530+/-1138.730 χ^2/NDF:25.2/21

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

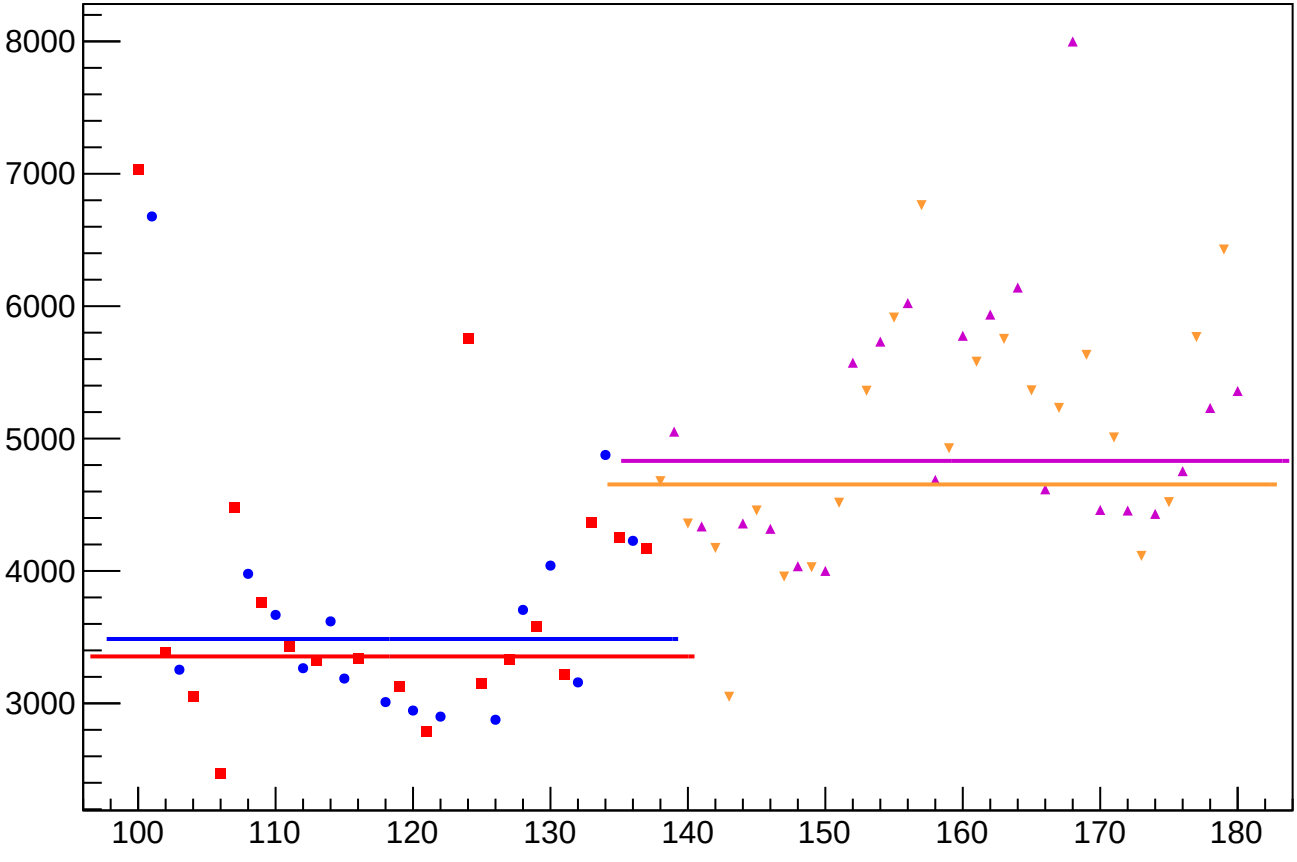
Left In: 299.579+/-1180.812 χ^2/NDF:13.7/20

+ sign 126.184+/-864.241 χ^2/NDF: 43.4/37

All: 72.891+/-611.933 χ^2/NDF: 72.5/77

- 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: 4653.494+/-0.805 χ^2/NDF:1246363.8/21

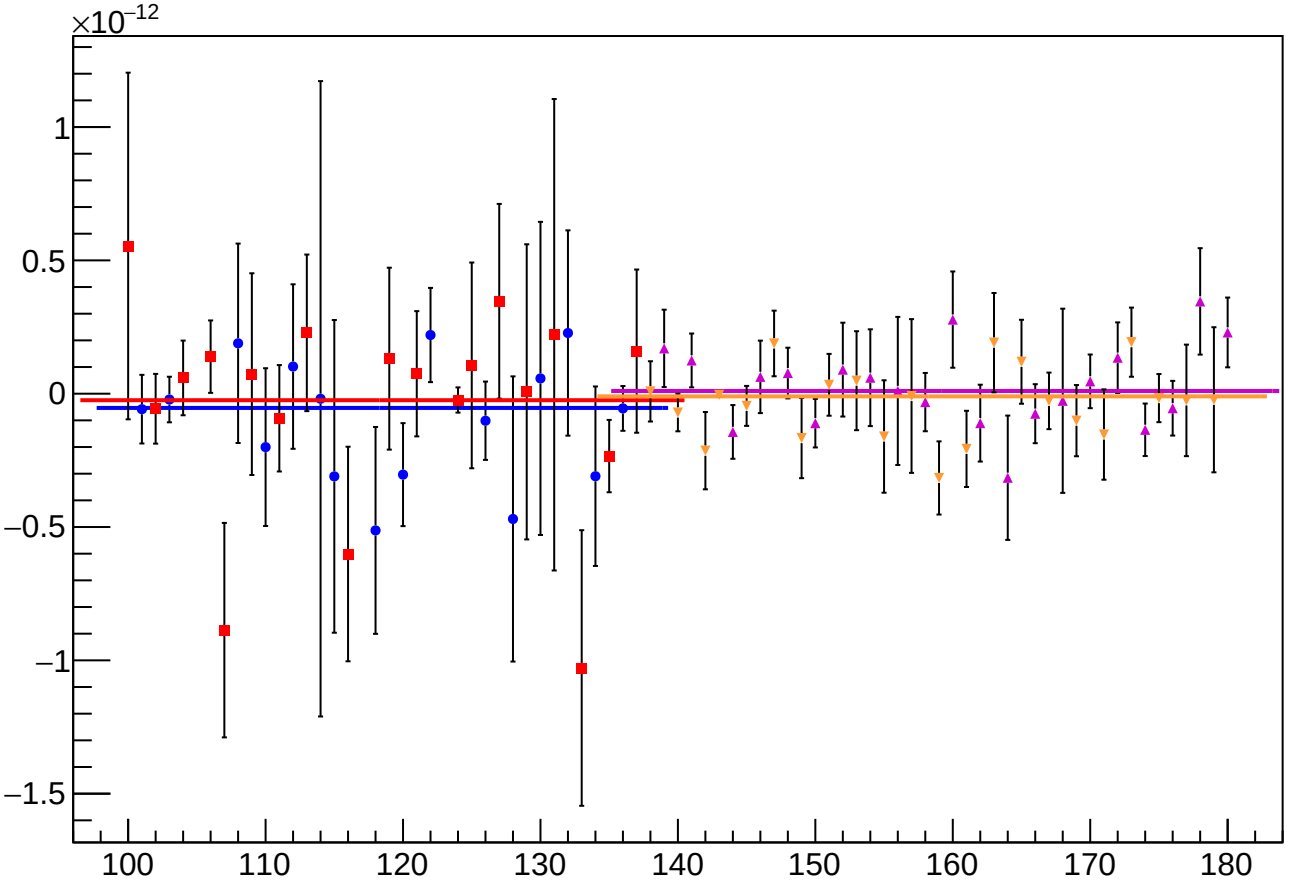
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4831.412+/-0.835 χ^2/NDF:844977.0/20

+ sign 4158.555+/-0.611 χ^2/NDF: 2733268.4/37

All: 4149.031+/-0.431 χ^2/NDF: 5420857.7/77

- sign 4139.580+/-0.609 χ^2/NDF: 2687105.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/21

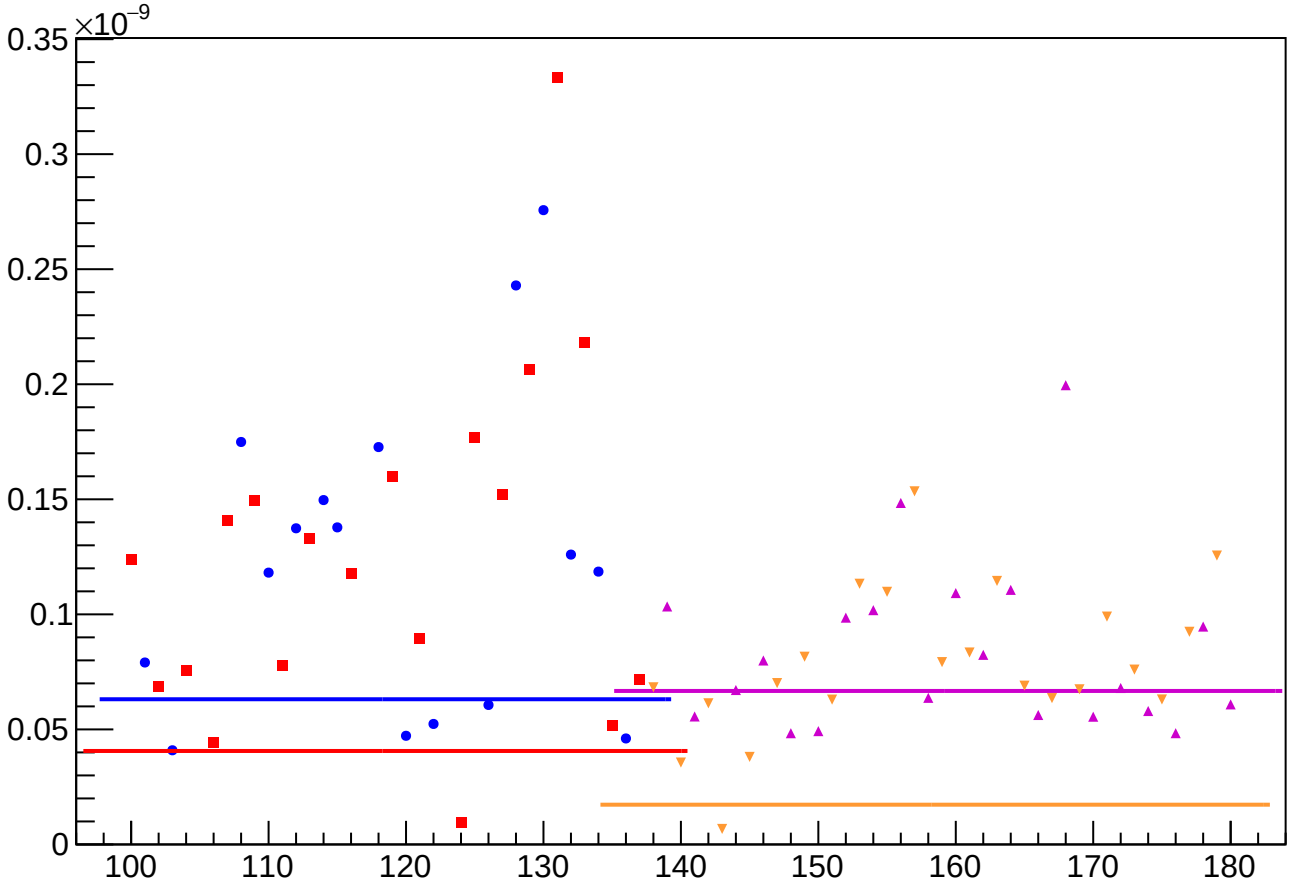
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:22.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/37

All: -0.000+/-0.000 χ^2/NDF: 71.0/77

- sign -0.000+/-0.000 χ^2/NDF: 41.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8849478.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

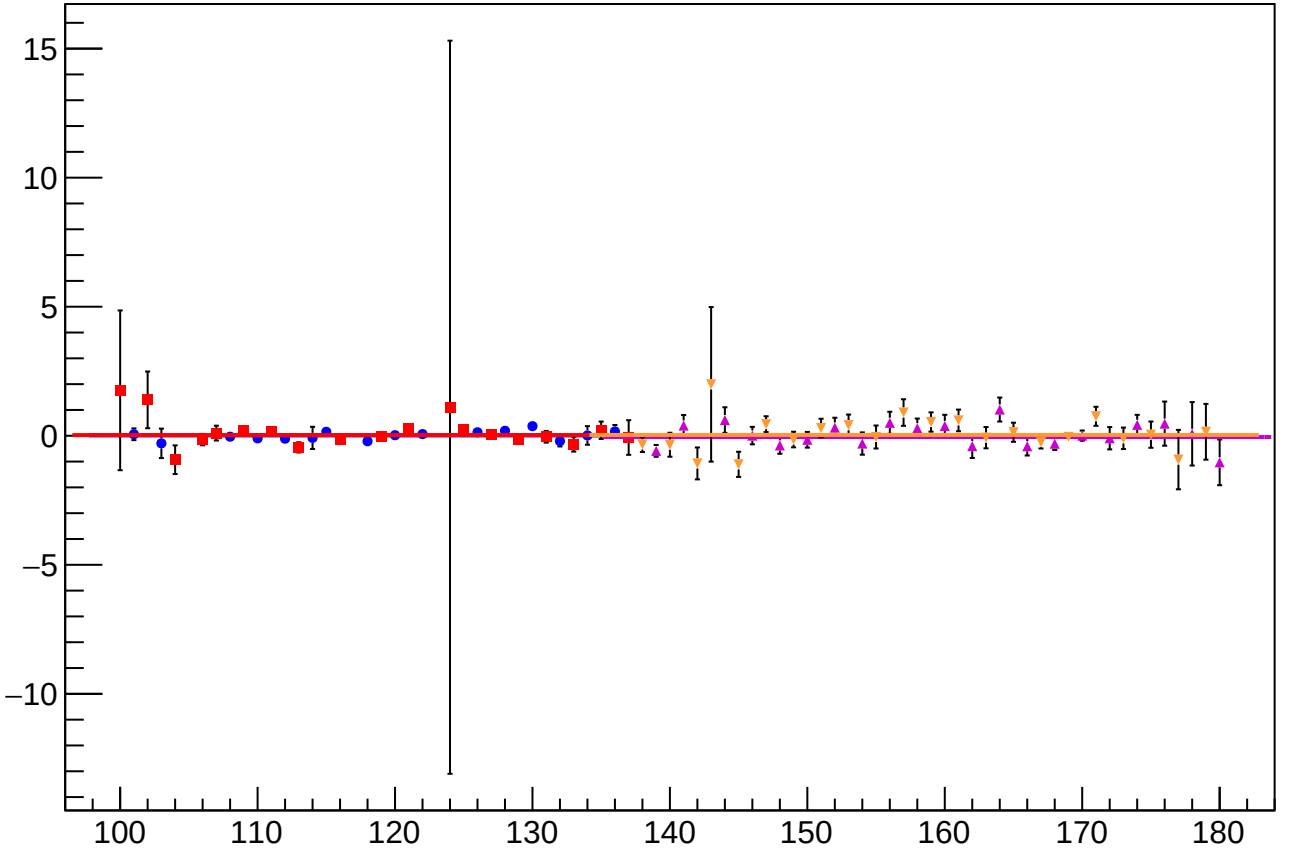
Left In: 0.000+/-0.000 χ^2/NDF:1302041.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 12268410.8/37

All: 0.000+/-0.000 χ^2/NDF: 21871914.0/77

- 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: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

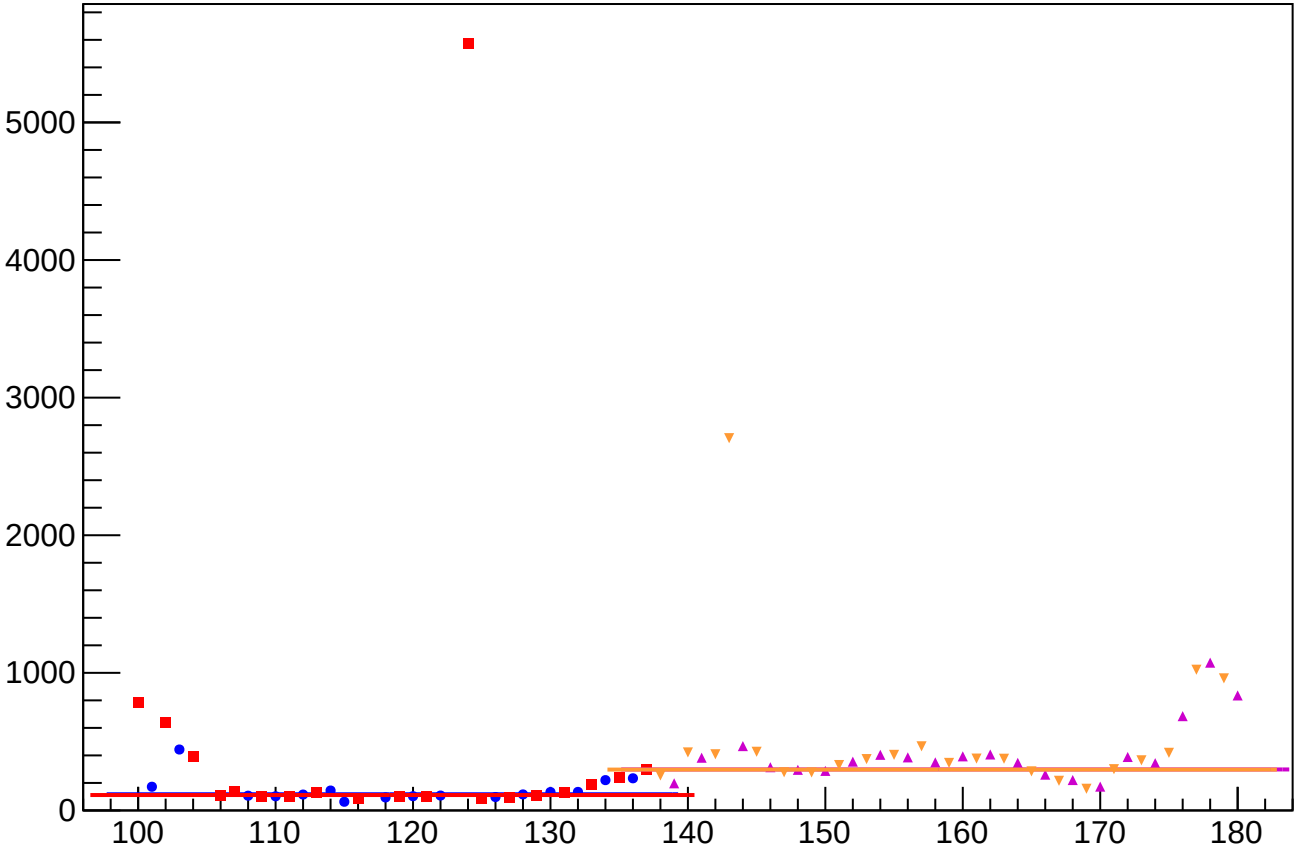
Left In: -0.049+/-0.078 χ^2/NDF:25.5/20

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/37

All: 0.013+/-0.029 χ^2/NDF: 87.8/77

- sign 0.006+/-0.040 χ^2/NDF: 48.3/39

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 297.004+/-0.056 χ^2/NDF:5471650.8/21

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

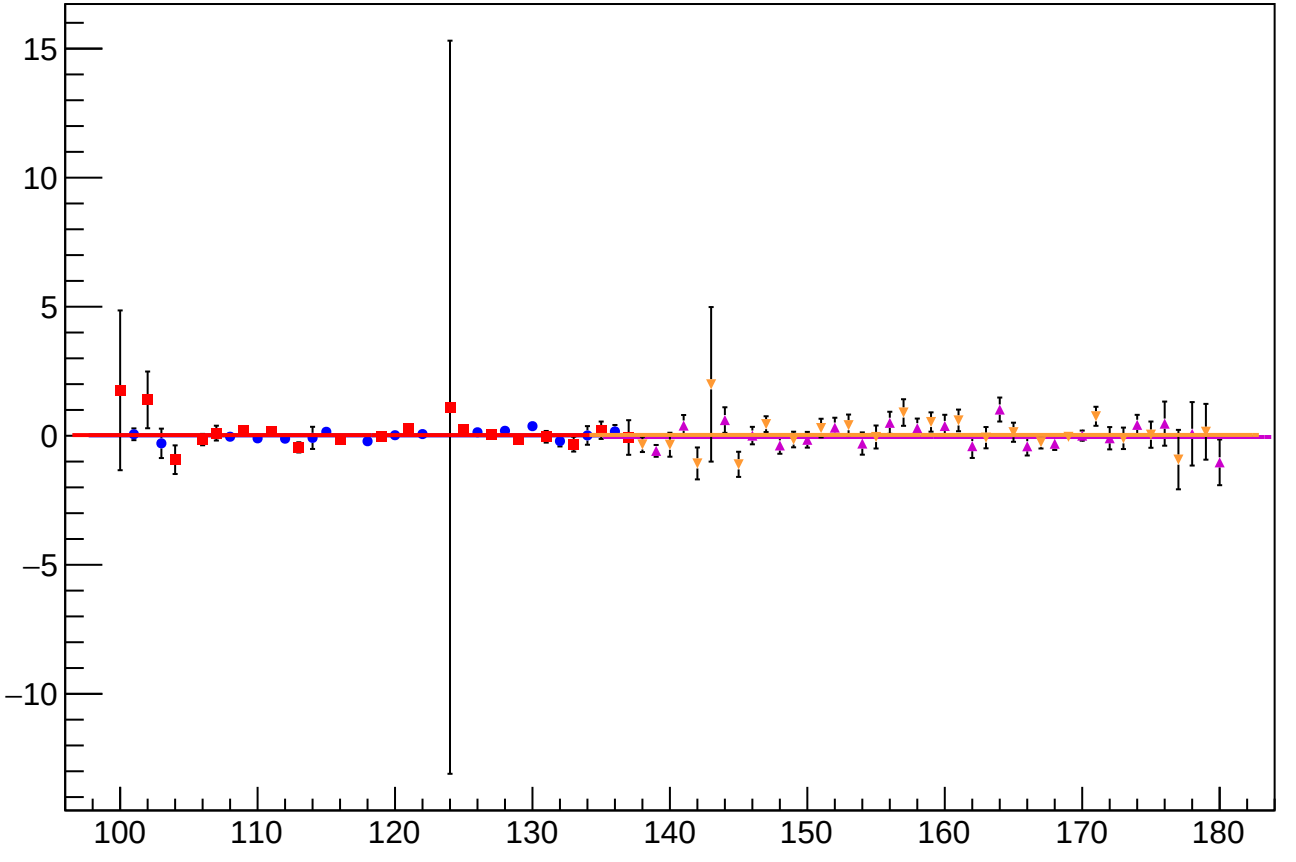
Left In: 297.981+/-0.055 χ^2/NDF:4330138.2/20

+ sign 165.839+/-0.029 χ^2/NDF: 14730125.6/37

All: 163.538+/-0.020 χ^2/NDF: 29594002.8/77

- sign 161.325+/-0.028 χ^2/NDF: 14851496.0/39

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

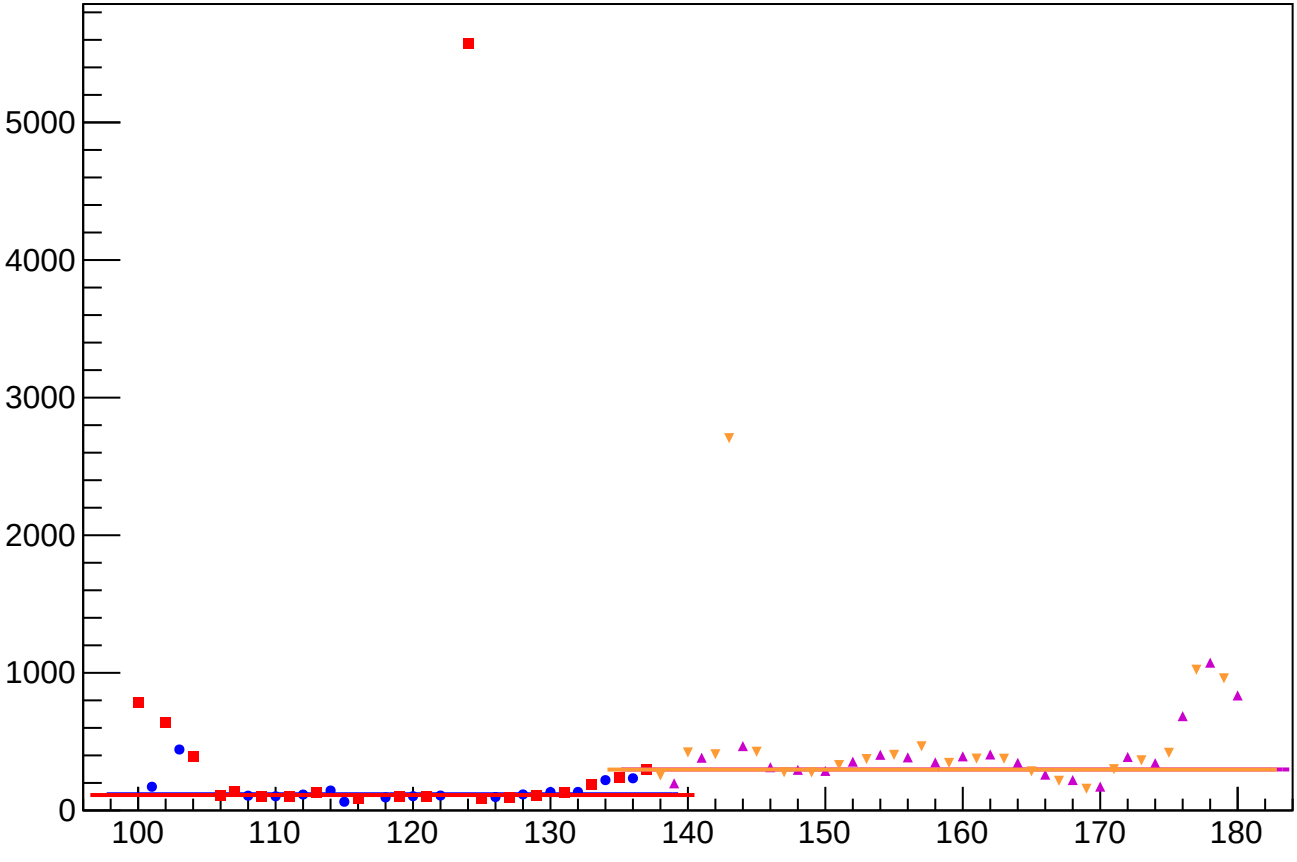
Left In: -0.049+/-0.078 χ^2/NDF:25.5/20

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/37

All: 0.013+/-0.029 χ^2/NDF: 87.8/77

- 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: 297.004+/-0.056 χ^2/NDF:5471650.8/21

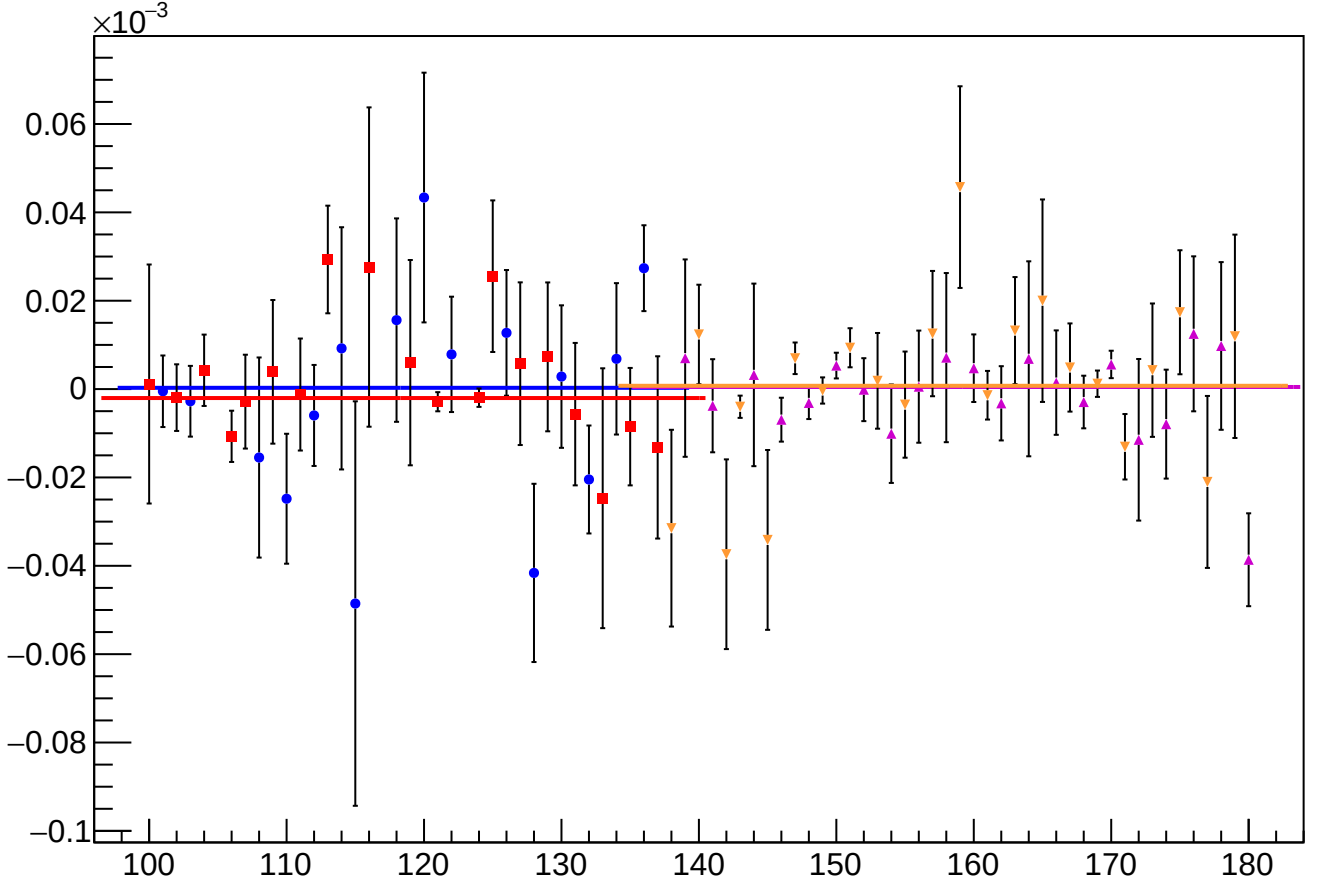
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 297.981+/-0.055 χ^2/NDF:4330138.2/20

+ sign 165.839+/-0.029 χ^2/NDF: 14730125.6/37

All: 163.538+/-0.020 χ^2/NDF: 29594002.8/77

- 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:33.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

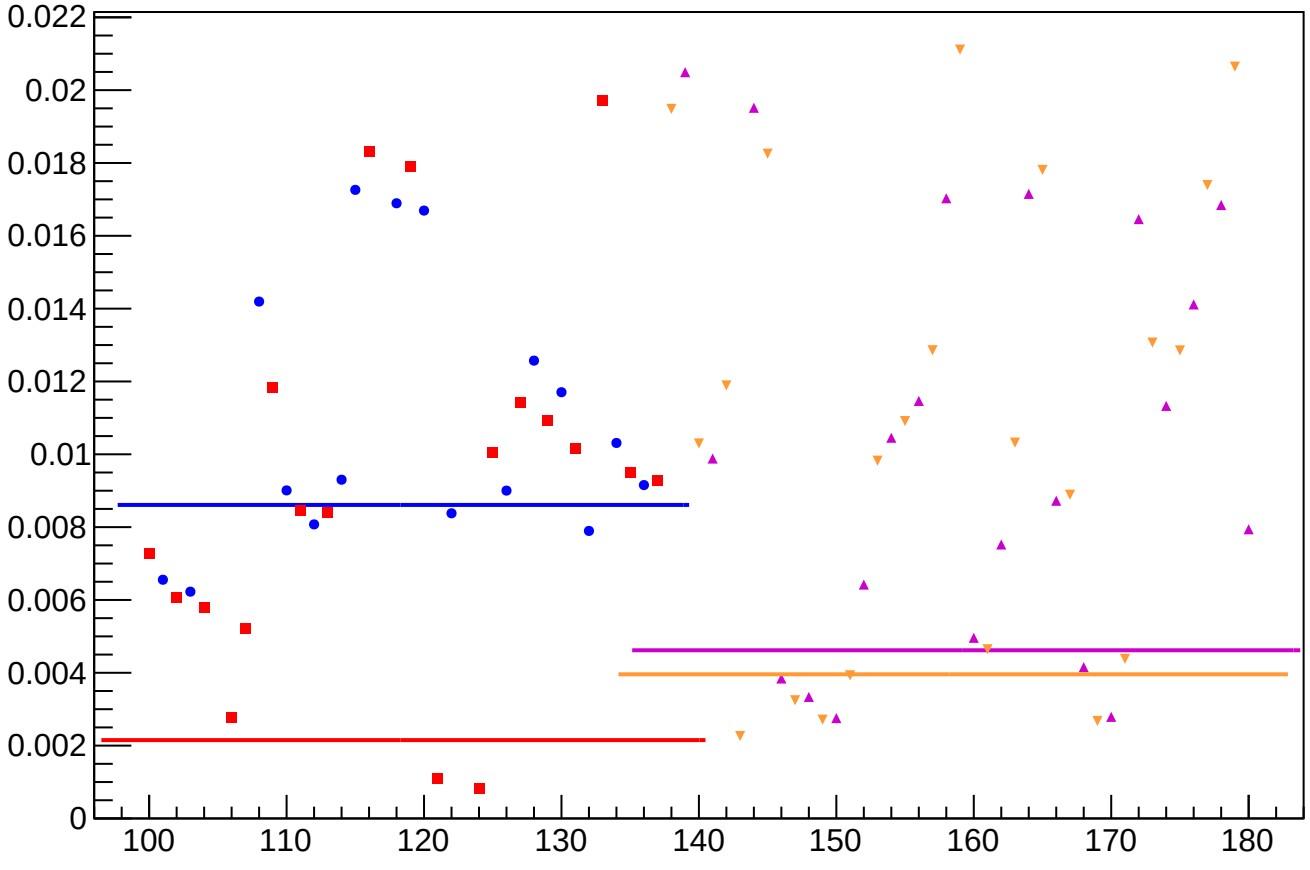
Left In: 0.000+/-0.000 χ^2/NDF:26.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/37

All: -0.000+/-0.000 χ^2/NDF: 100.9/77

- 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:13091322.5/21

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

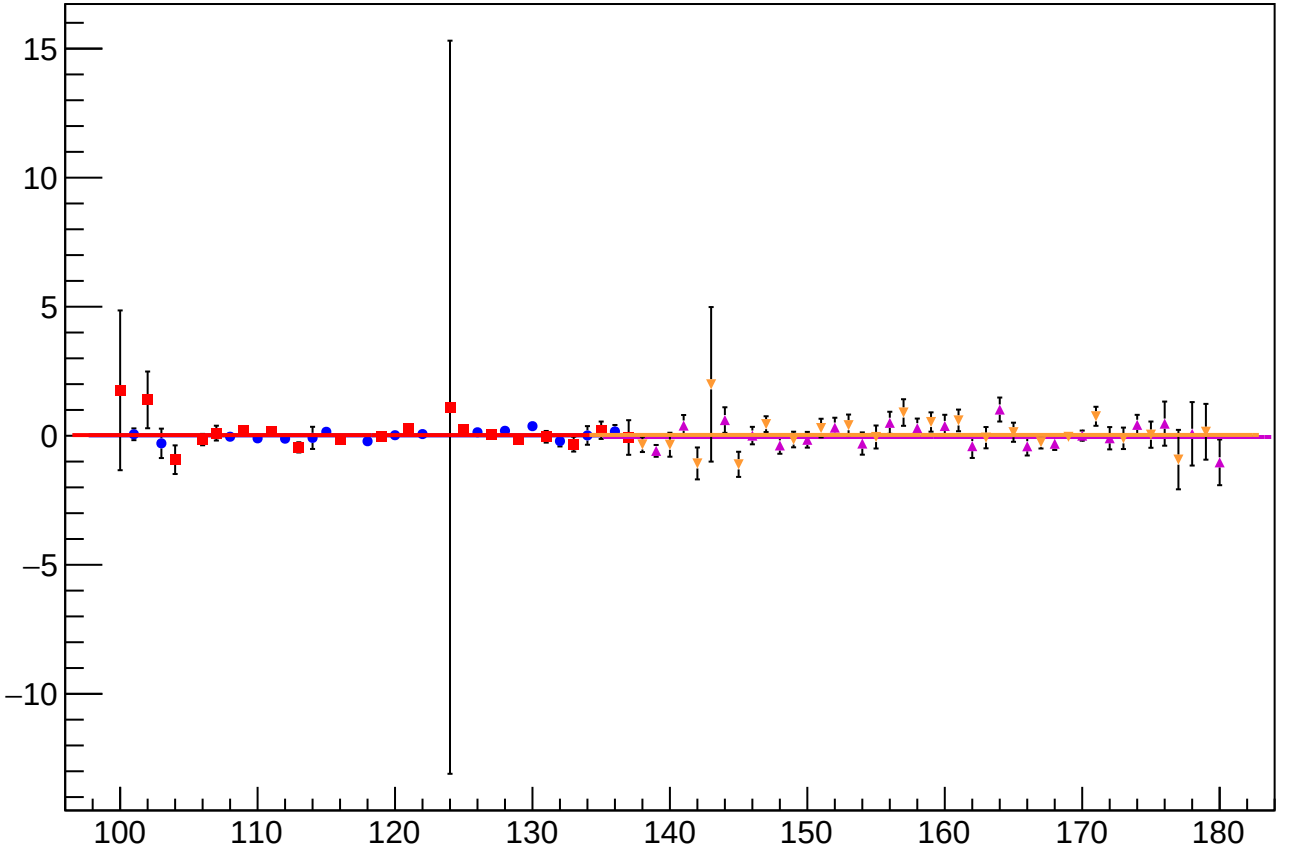
Left In: 0.005+/-0.000 χ^2/NDF:10643916.6/20

+ sign 0.005+/-0.000 χ^2/NDF: 17543302.5/37

All: 0.004+/-0.000 χ^2/NDF: 41714868.4/77

- sign 0.003+/-0.000 χ^2/NDF: 22876141.5/39

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

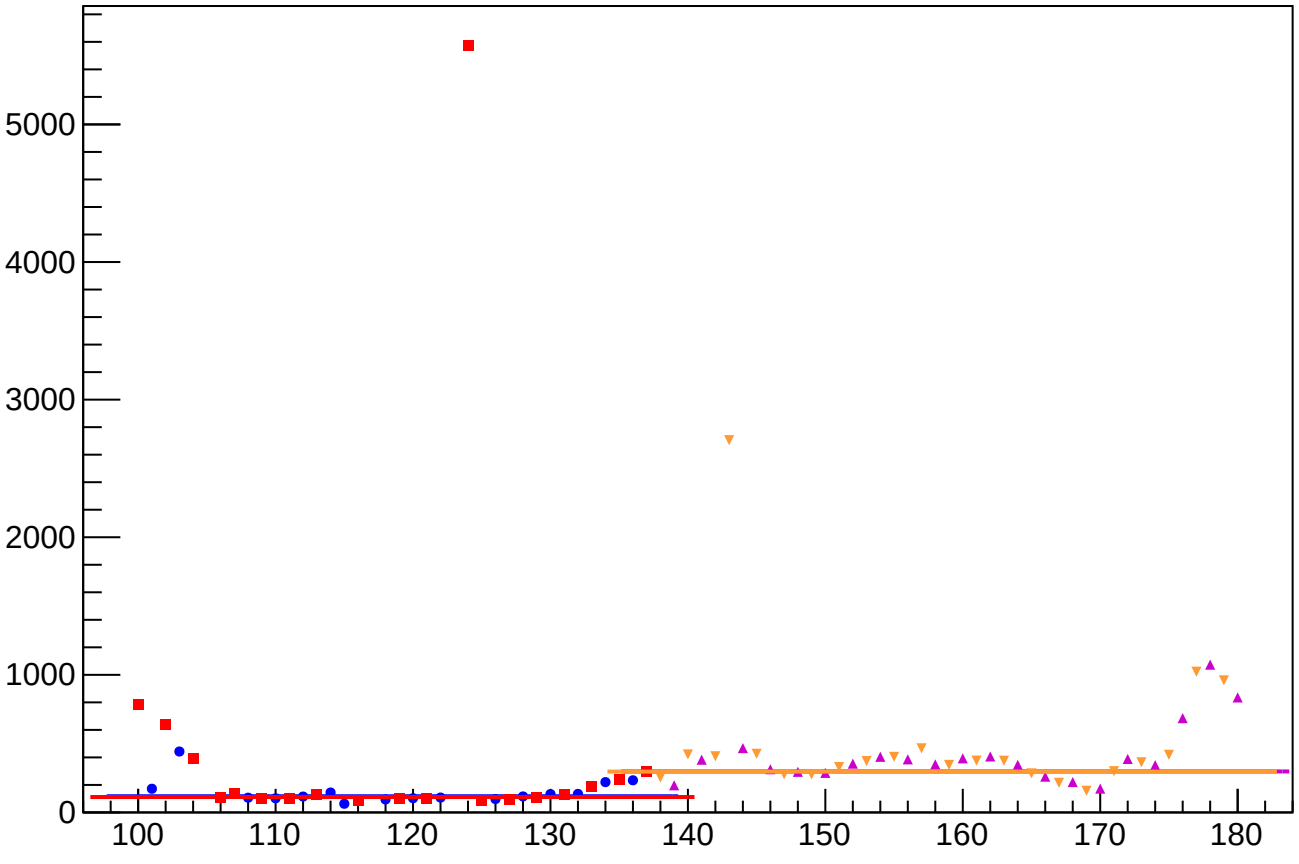
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.049+/-0.078 χ^2/NDF:25.5/20

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/37

All: 0.013+/-0.029 χ^2/NDF: 87.8/77

- 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: 297.006+/-0.056 χ^2/NDF:5471719.4/21

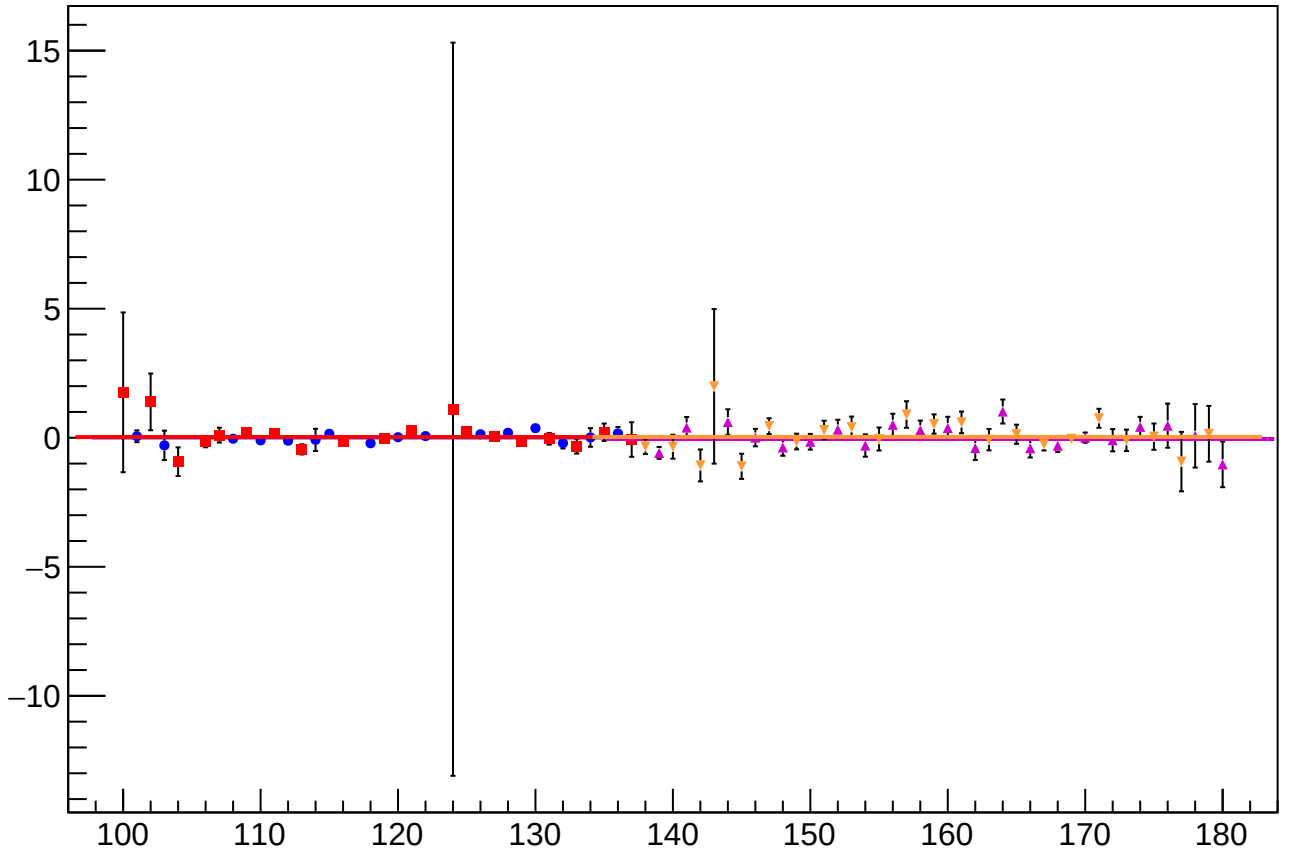
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 297.984+/-0.055 χ^2/NDF:4330124.9/20

+ sign 165.839+/-0.029 χ^2/NDF: 14730223.7/37

All: 163.539+/-0.020 χ^2/NDF: 29593952.8/77

- 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: 0.032+/-0.079 χ^2/NDF:27.7/21

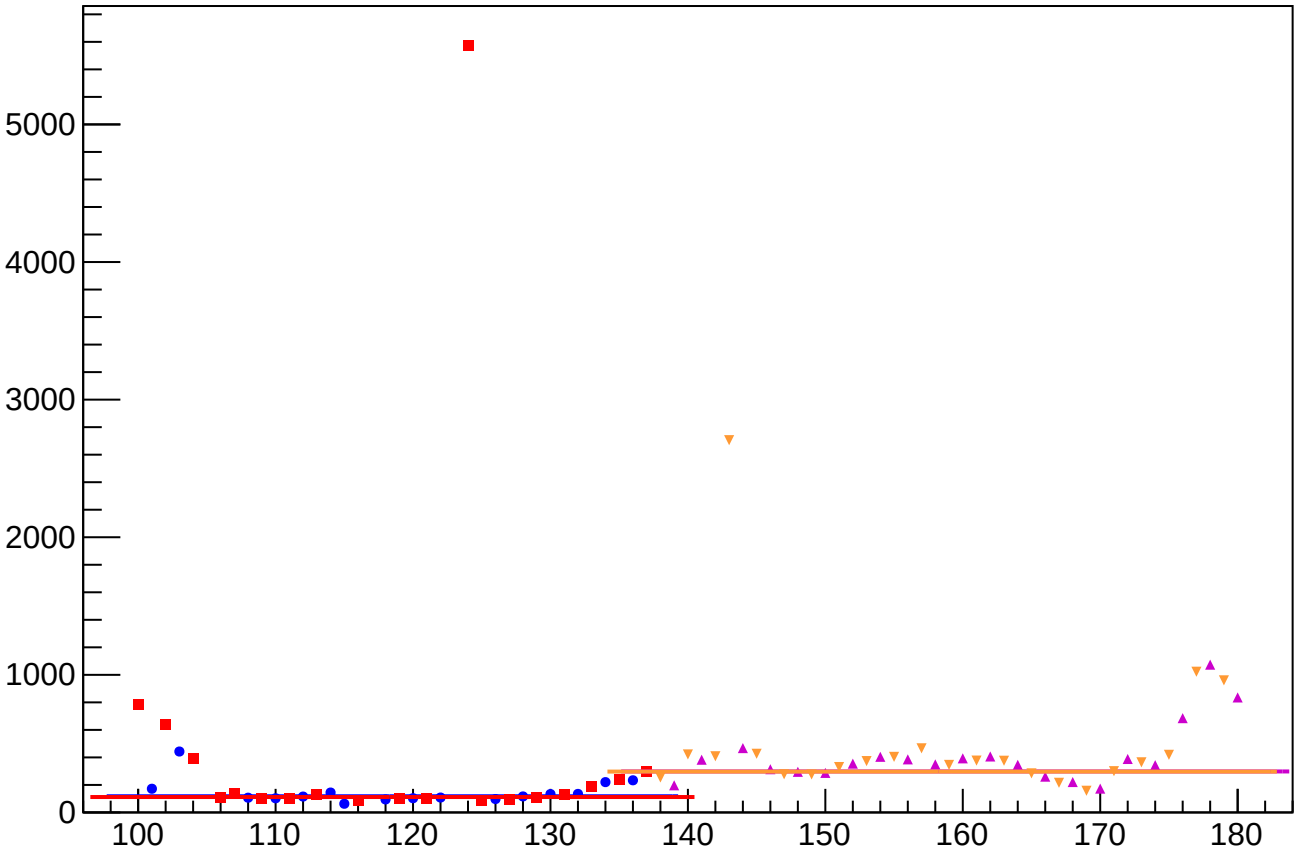
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.049+/-0.078 χ^2/NDF:25.5/20

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/37

All: 0.013+/-0.029 χ^2/NDF: 87.8/77

- 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: 297.006+/-0.056 χ^2/NDF:5471719.4/21

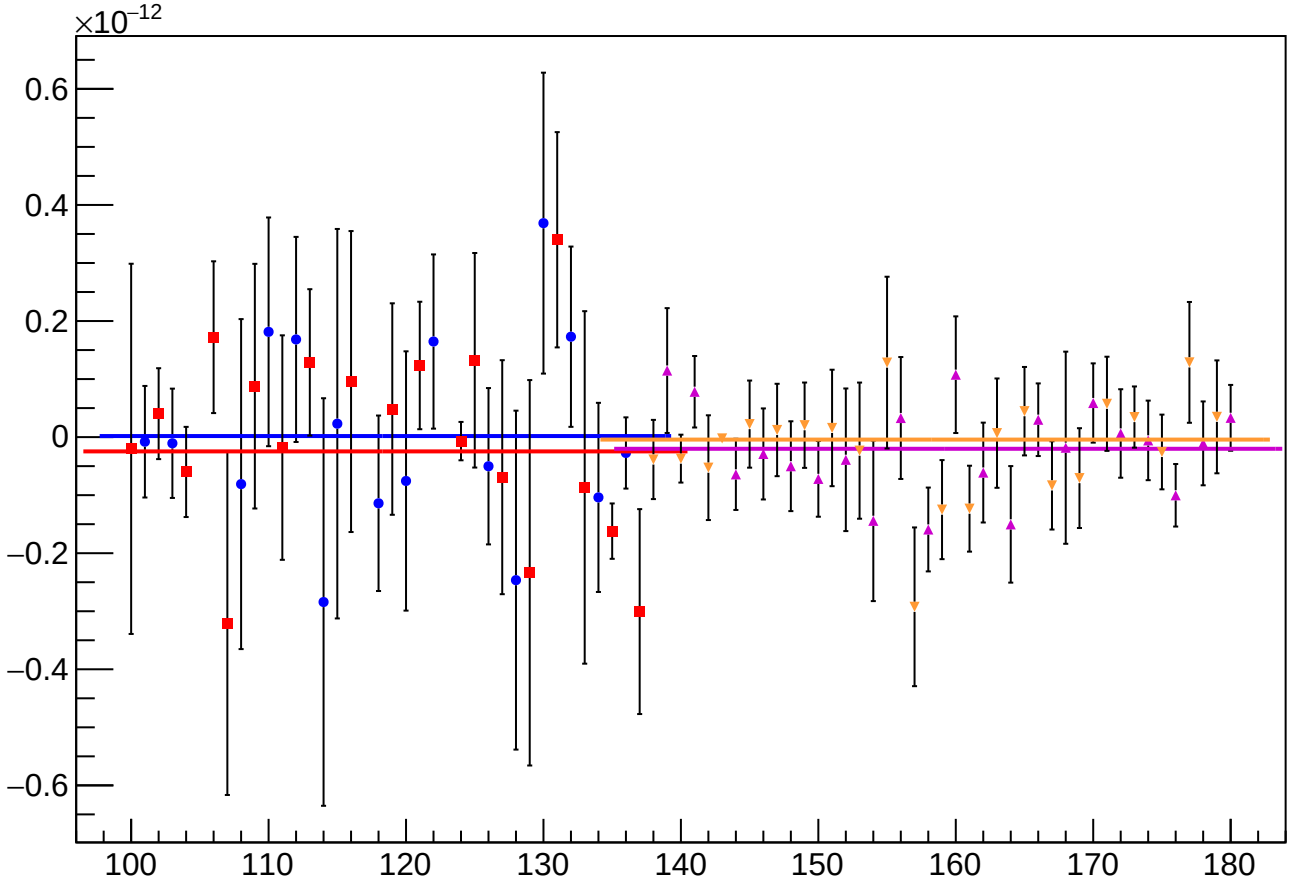
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 297.984+/-0.055 χ^2/NDF:4330124.9/20

+ sign 165.839+/-0.029 χ^2/NDF: 14730223.7/37

All: 163.539+/-0.020 χ^2/NDF: 29593952.8/77

- 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:16.6/21

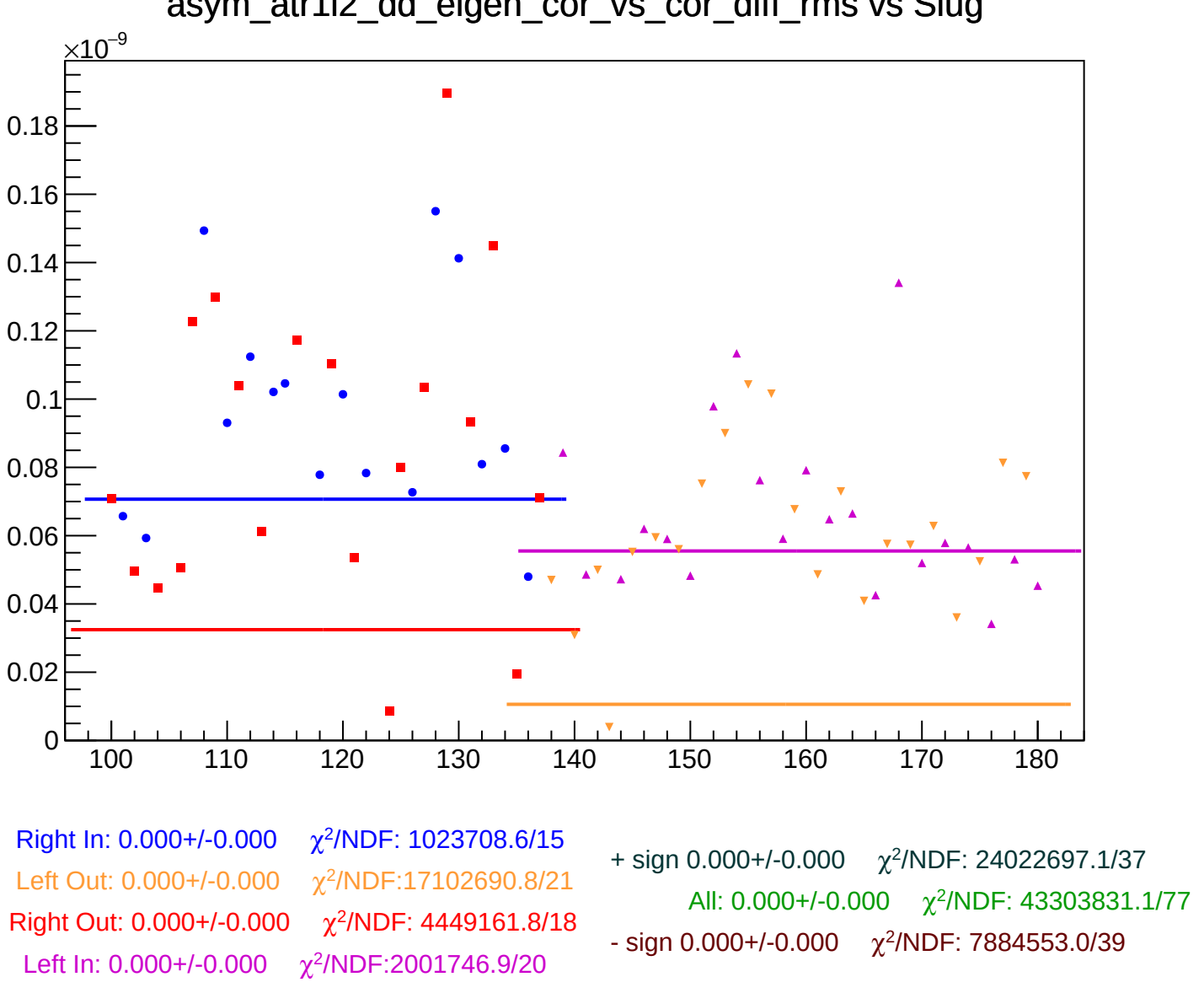
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.0/20

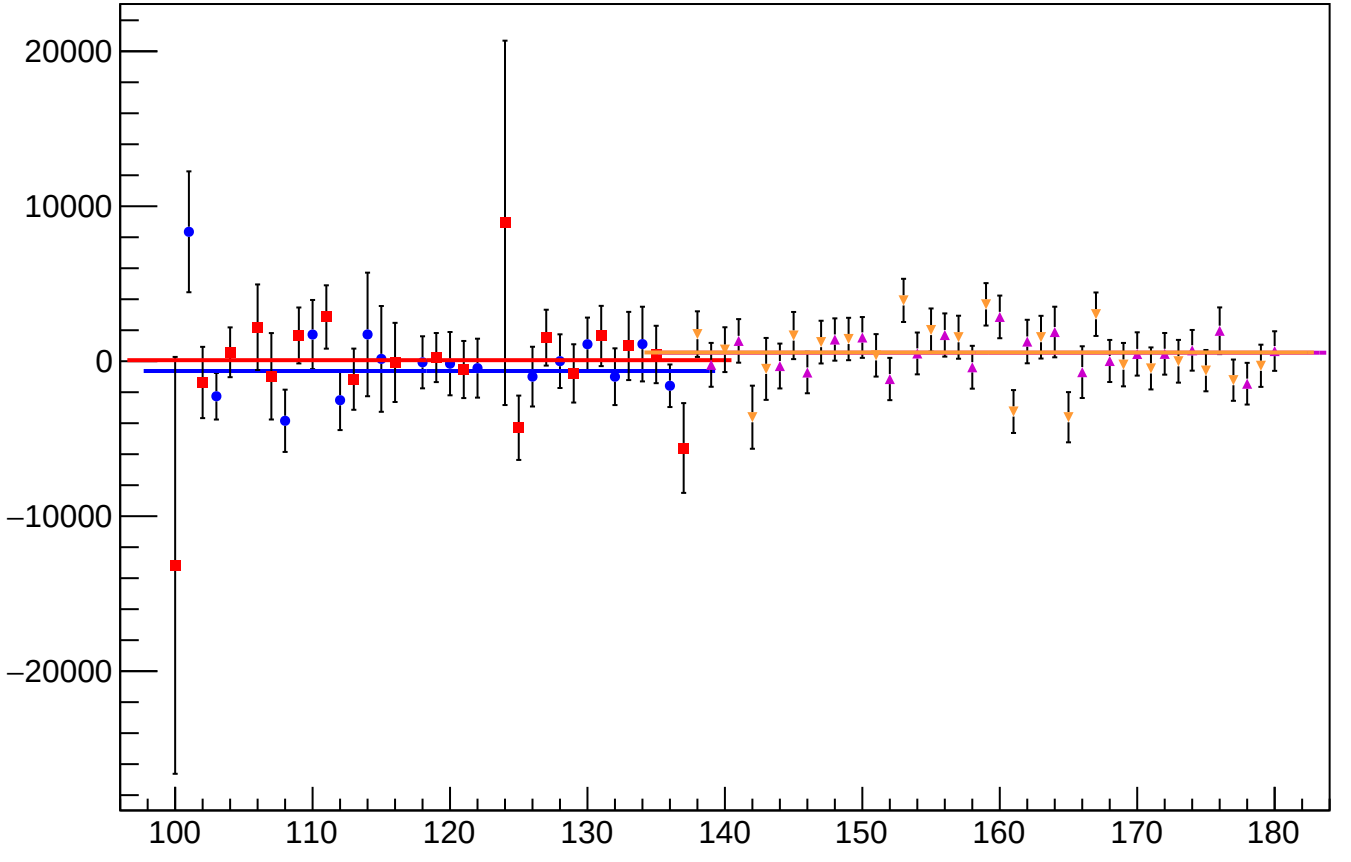
+ sign -0.000+/-0.000 χ^2/NDF: 25.7/37

All: -0.000+/-0.000 χ^2/NDF: 70.5/77

- 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:17102690.8/21
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: 24022697.1/37
All: 0.000+/-0.000 χ²/NDF: 43303831.1/77
- 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: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

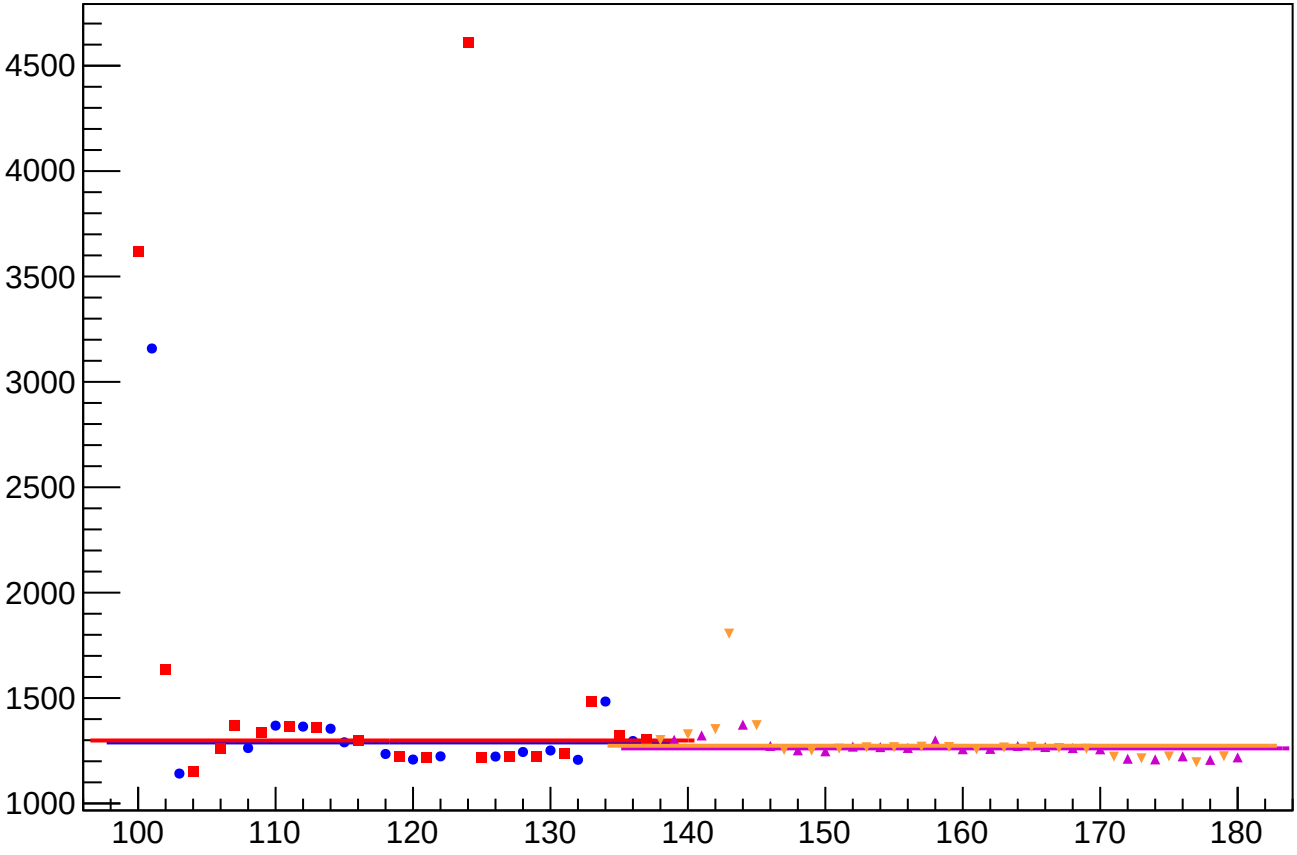
Left In: 549.417+/-303.758 χ^2/NDF:13.1/20

+ sign 228.999+/-258.964 χ^2/NDF: 59.0/37

All: 322.294+/-182.718 χ^2/NDF: 88.9/77

- 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: 1273.834+/-0.216 χ^2/NDF:177476.2/21

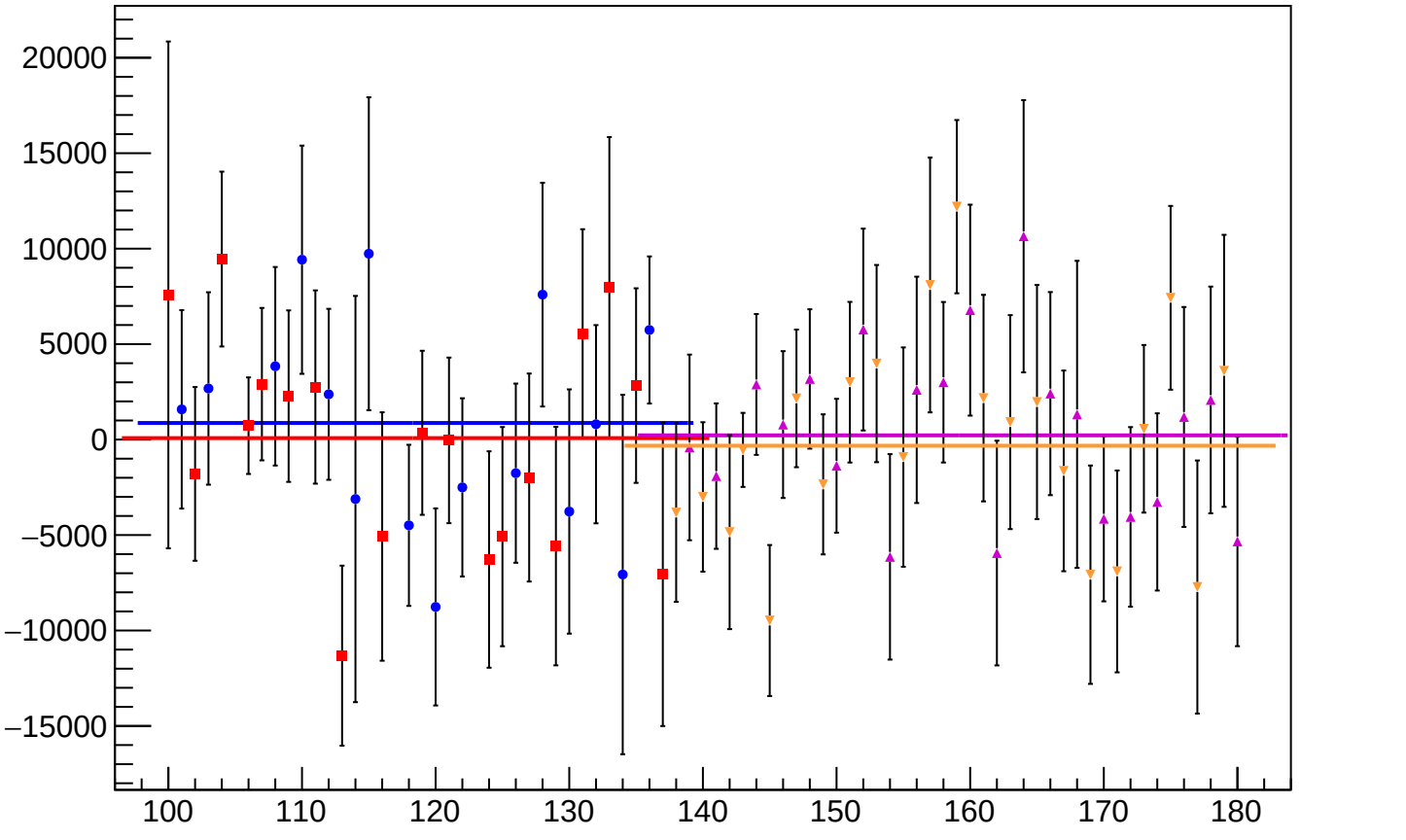
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.3/20

+ sign 1278.224+/-0.183 χ^2/NDF: 693623.2/37

All: 1274.939+/-0.129 χ^2/NDF: 1054591.5/77

- 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: -321.877+/-928.901 χ^2/NDF:26.1/21

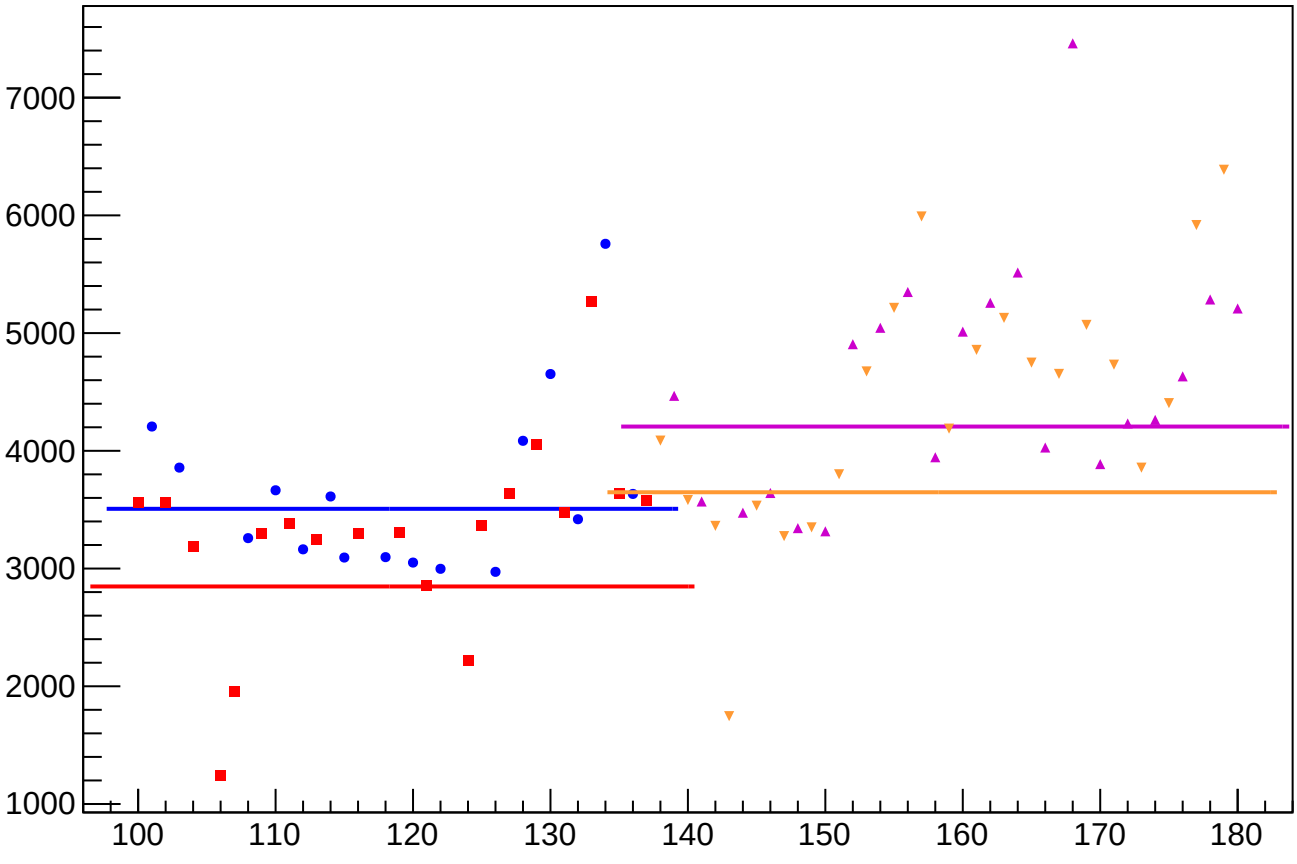
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 223.001+/-1035.187 χ^2/NDF:13.2/20

\+ sign 70.863+/-760.660 χ^2/NDF: 40.7/37

All: 113.266+/-536.710 χ^2/NDF: 72.3/77

\- 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: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

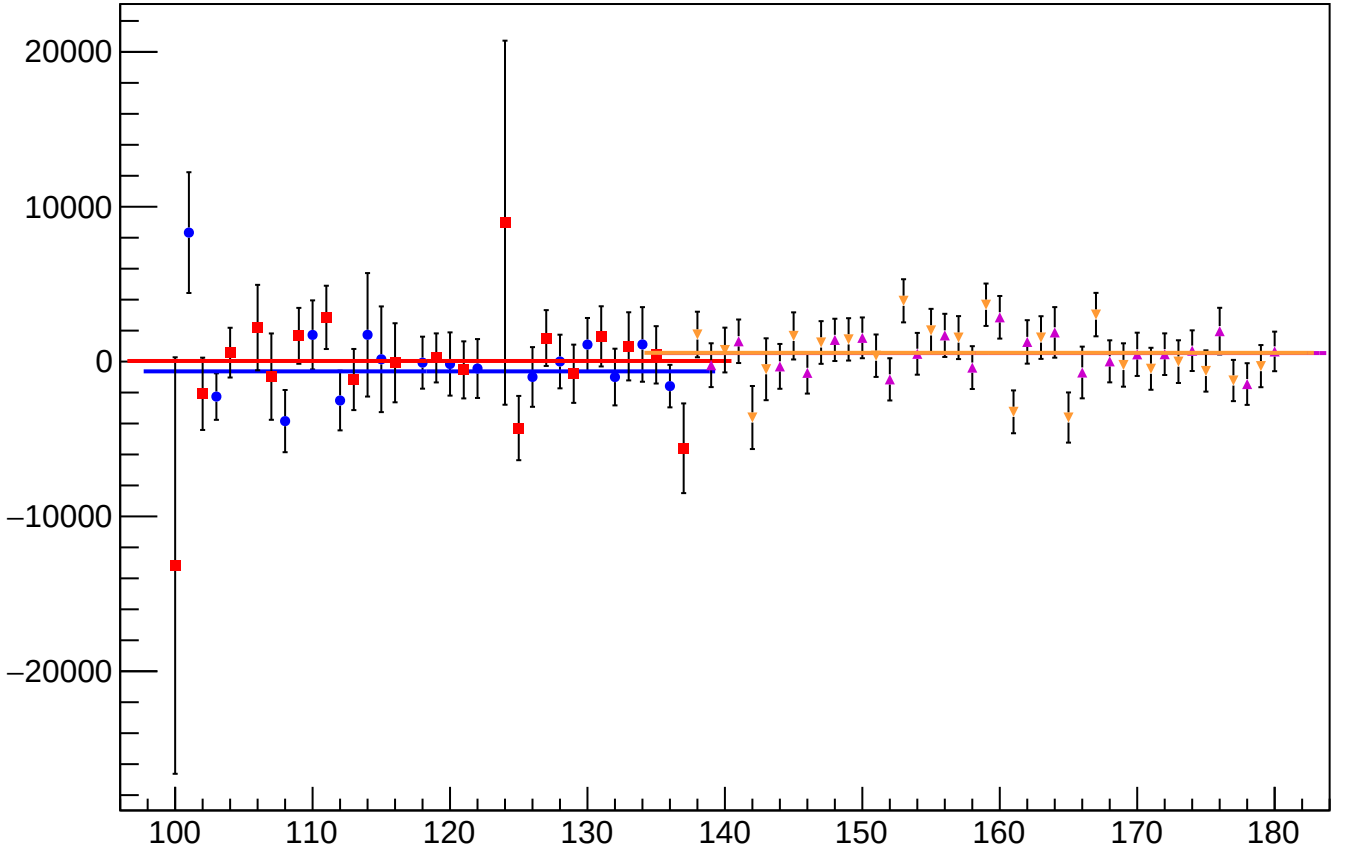
Left In: 4206.175+/-0.732 χ^2/NDF:1248623.3/20

+ sign 3601.715+/-0.538 χ^2/NDF: 4027703.8/37

All: 3588.286+/-0.380 χ^2/NDF: 8377128.8/77

- 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: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

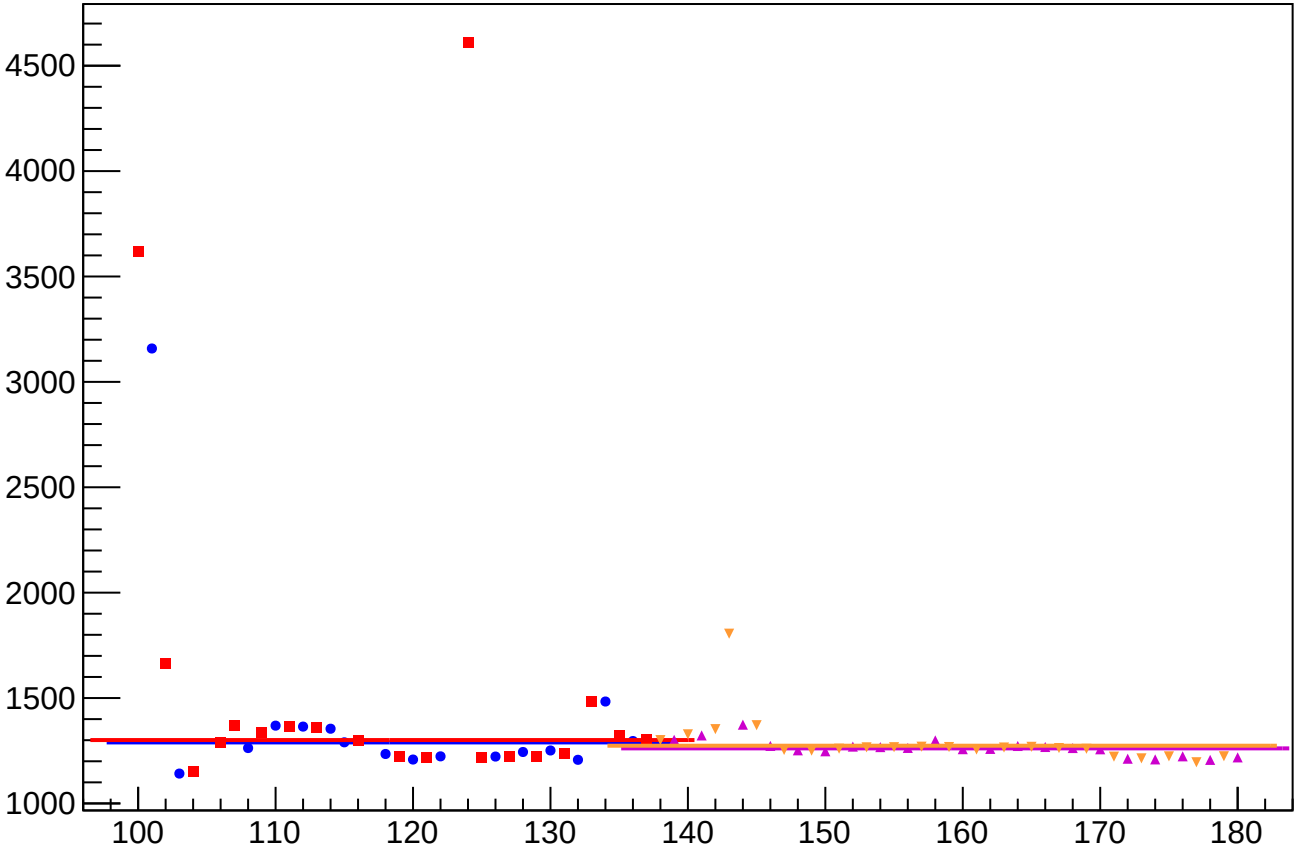
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 318.191+/-182.735 χ^2/NDF: 89.4/77

- 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: 1273.834+/-0.216 χ^2/NDF:177476.2/21

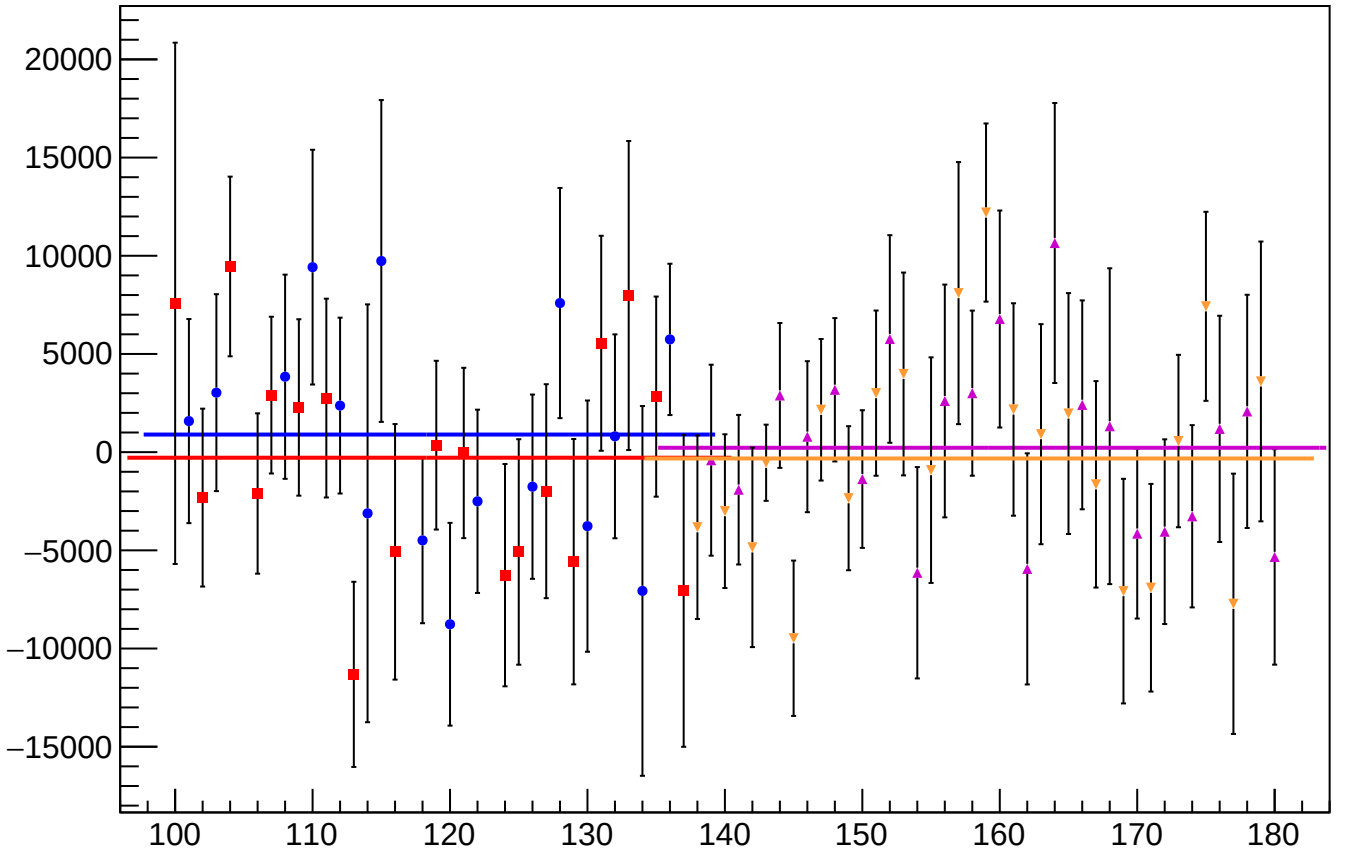
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77

- 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: -321.812+/-928.899 χ^2/NDF:26.1/21

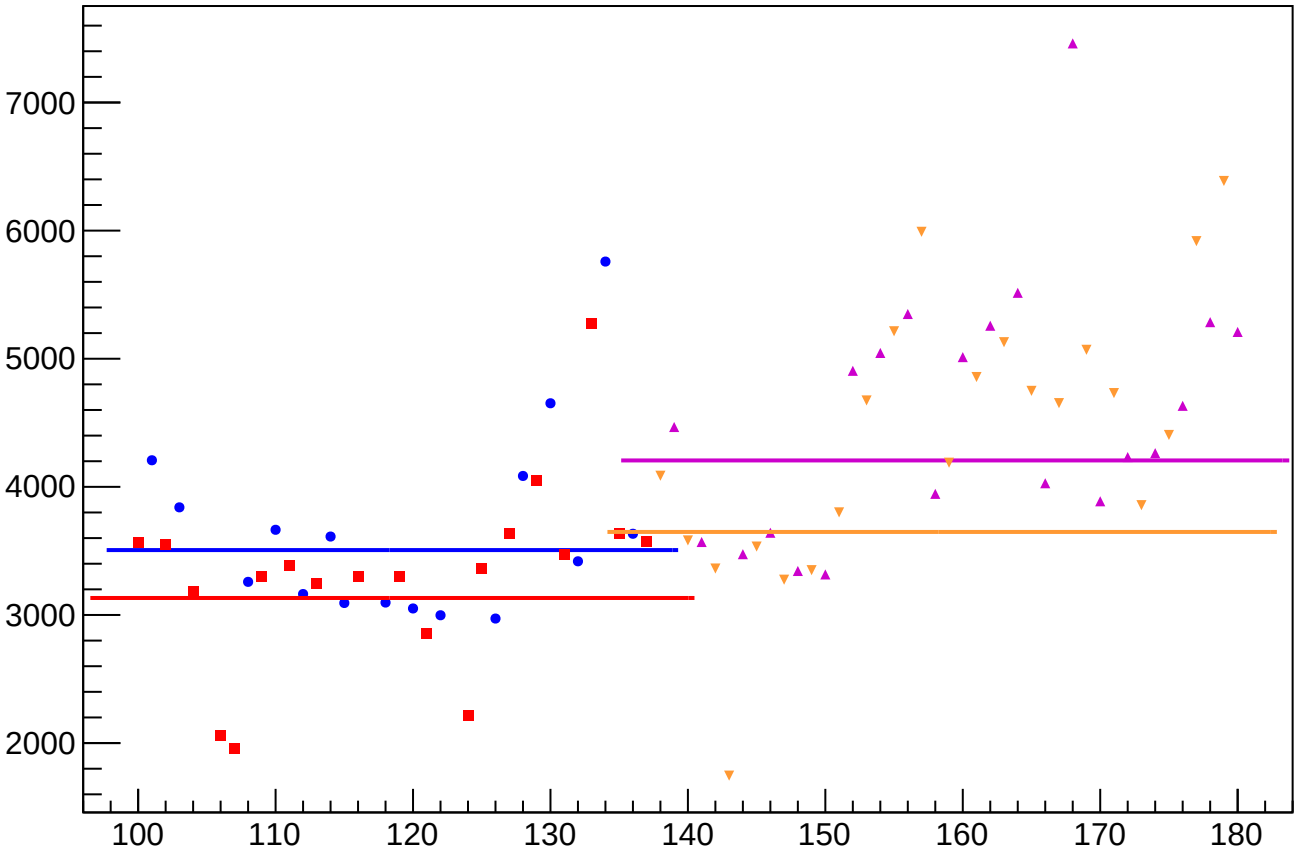
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 222.990+/-1035.185 χ^2/NDF:13.2/20

\+ sign 79.564+/-760.573 χ^2/NDF: 40.8/37

All: 42.292+/-544.233 χ^2/NDF: 72.7/77

\- 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: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

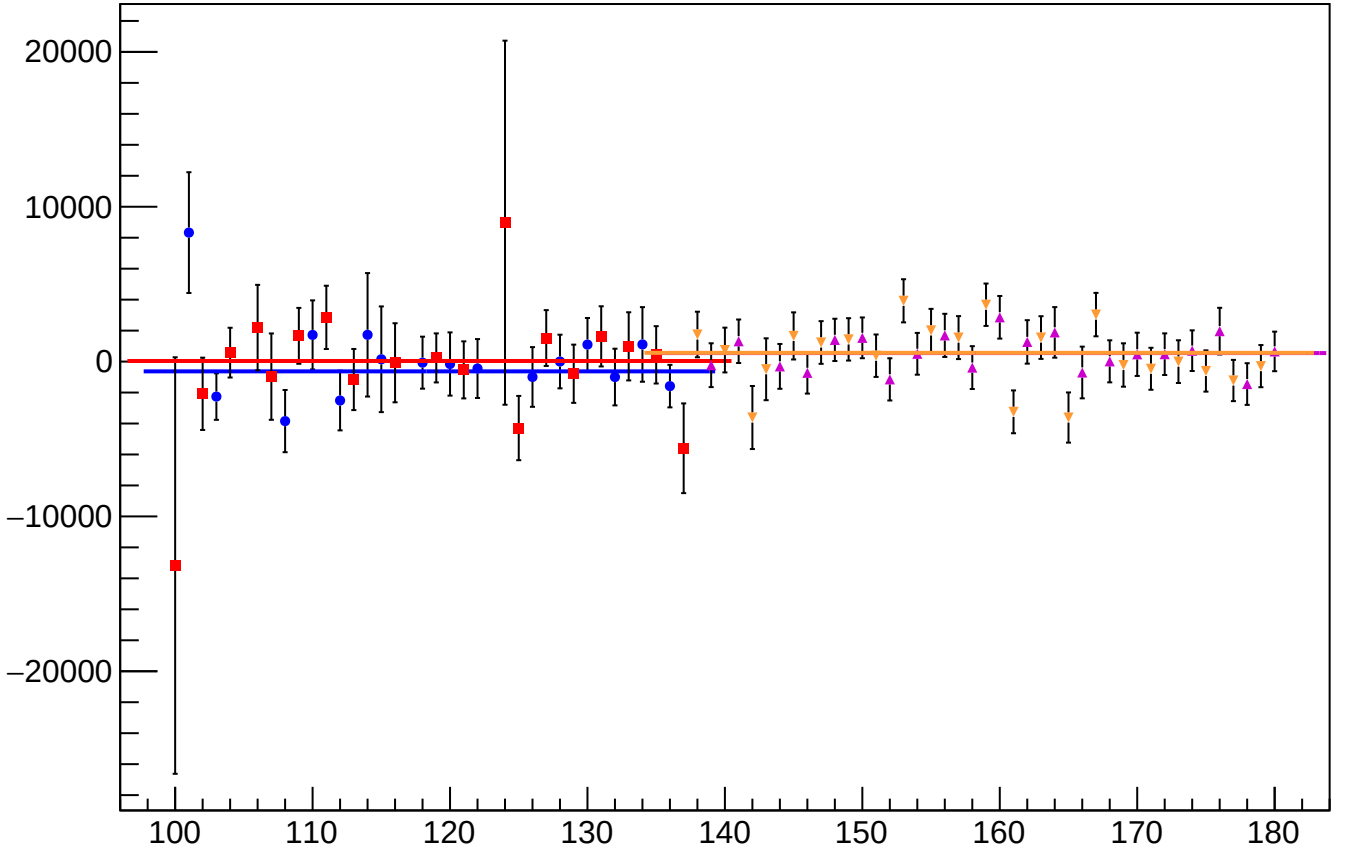
Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77

- sign 3740.679+/-0.551 χ^2/NDF: 2830928.1/39

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

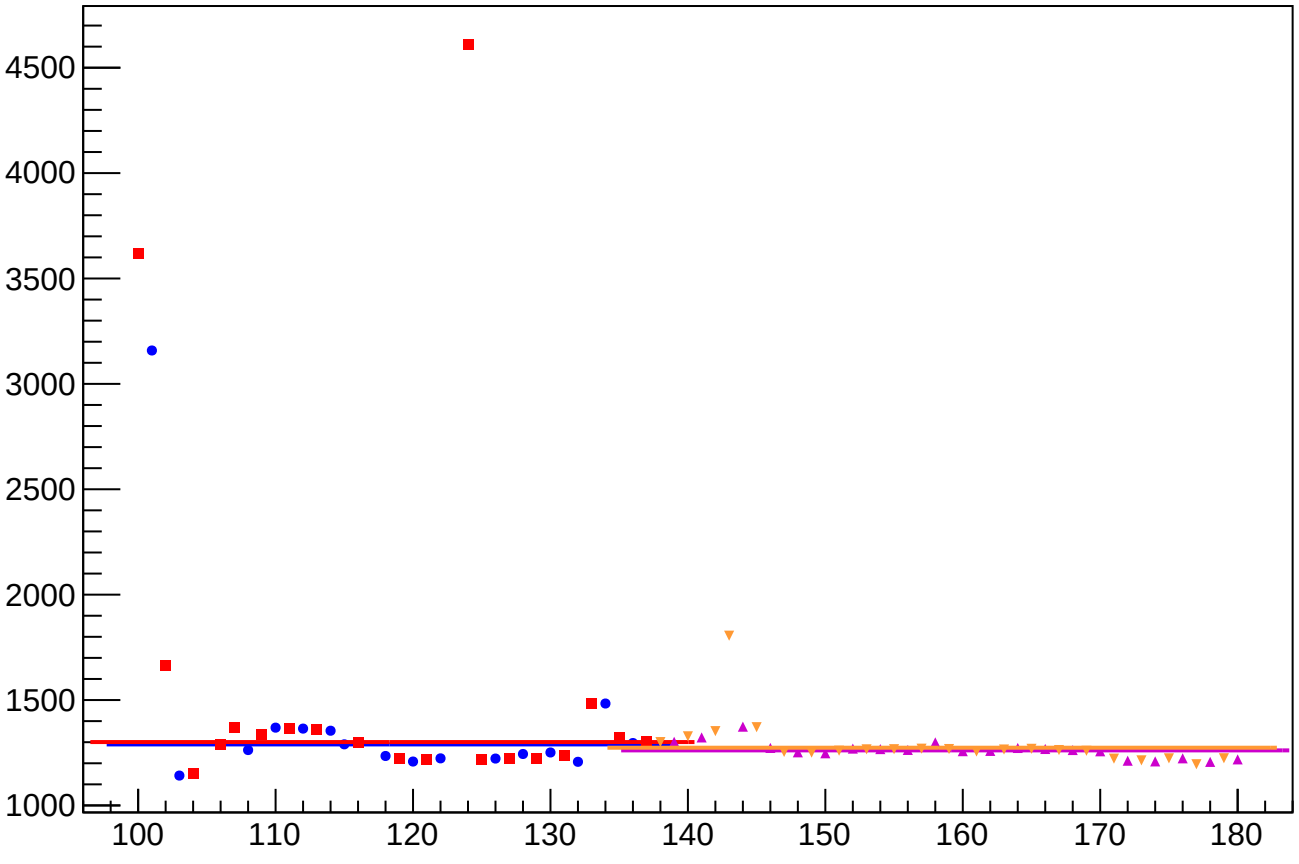
Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

\+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 318.191+/-182.735 χ^2/NDF: 89.4/77

\- sign 406.740+/-257.893 χ^2/NDF: 30.2/39



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

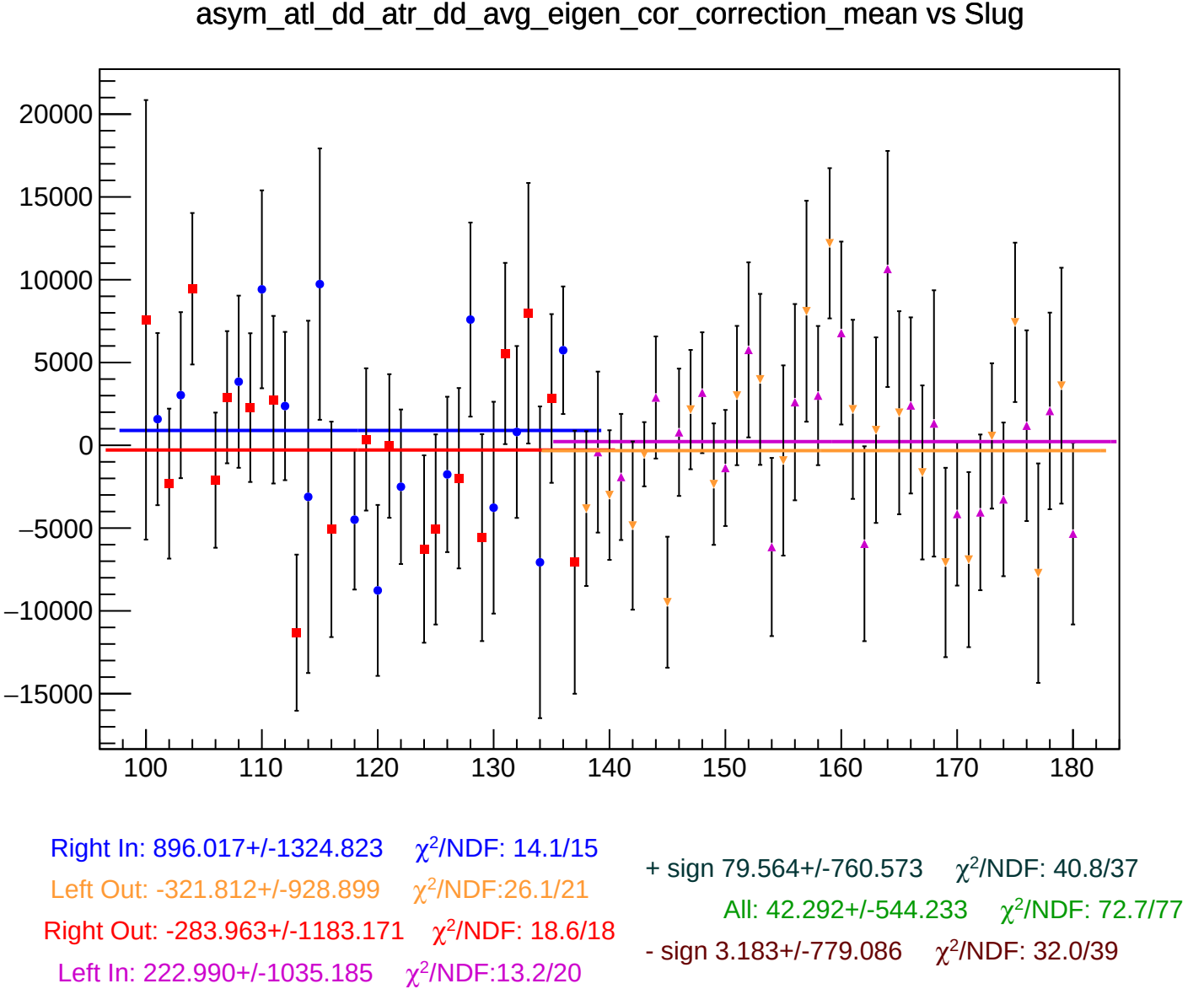
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

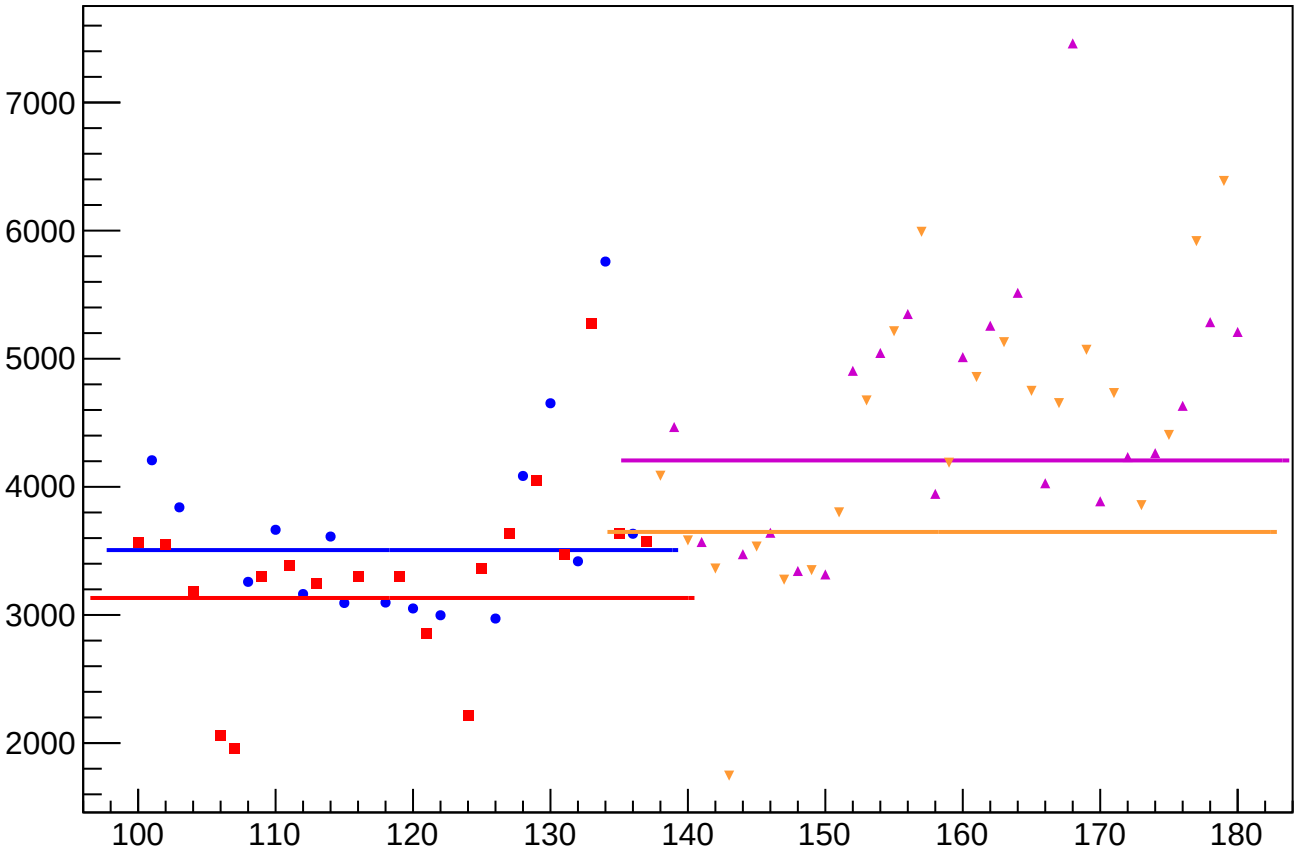
Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77

- sign 1272.234+/-0.182 χ^2/NDF: 367790.9/39


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -321.812+/-928.899 χ²/NDF:26.1/21
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 222.990+/-1035.185 χ²/NDF:13.2/20
+ sign 79.564+/-760.573 χ²/NDF: 40.8/37
All: 42.292+/-544.233 χ²/NDF: 72.7/77
- sign 3.183+/-779.086 χ²/NDF: 32.0/39



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

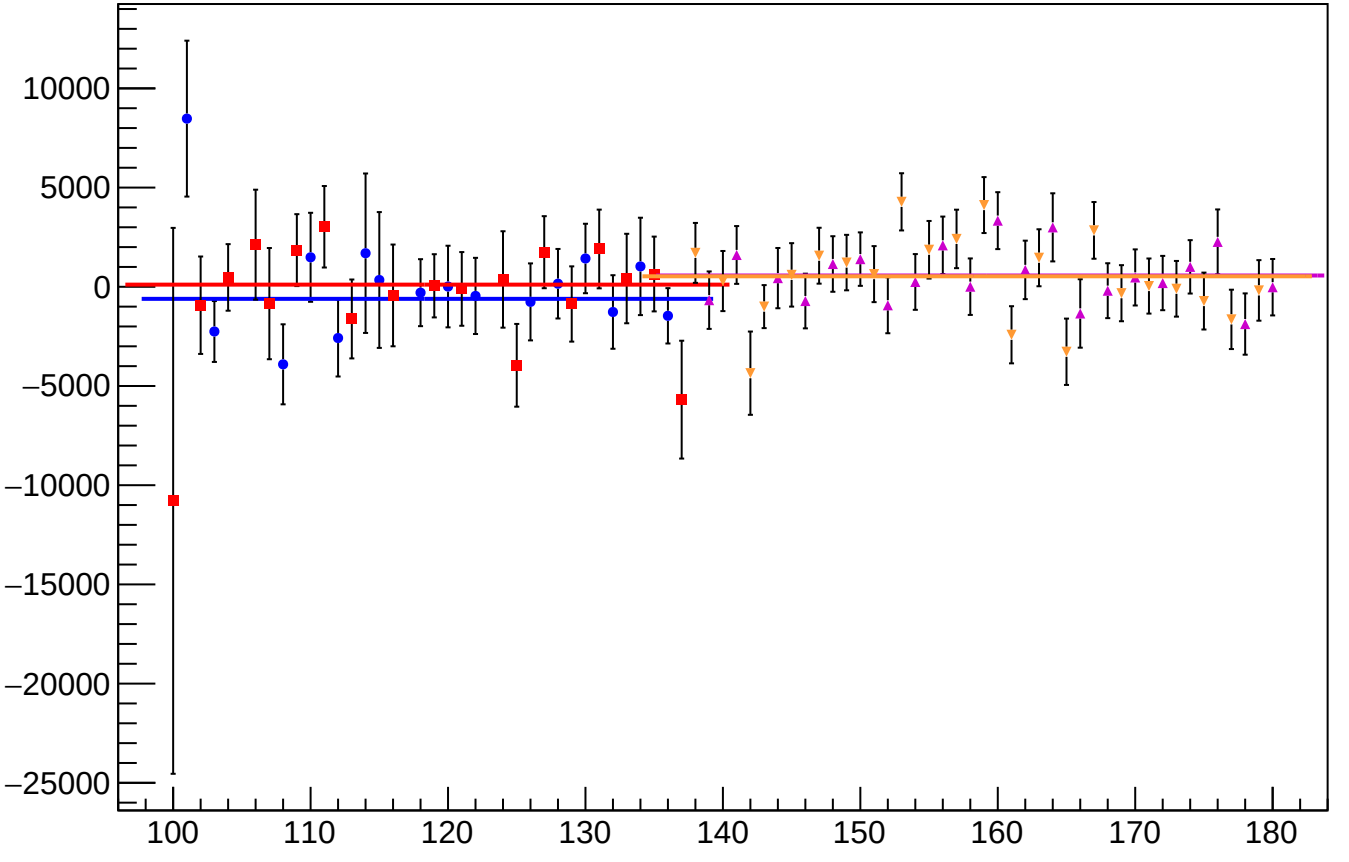
Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77

- sign 3740.679+/-0.551 χ^2/NDF: 2830928.1/39

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

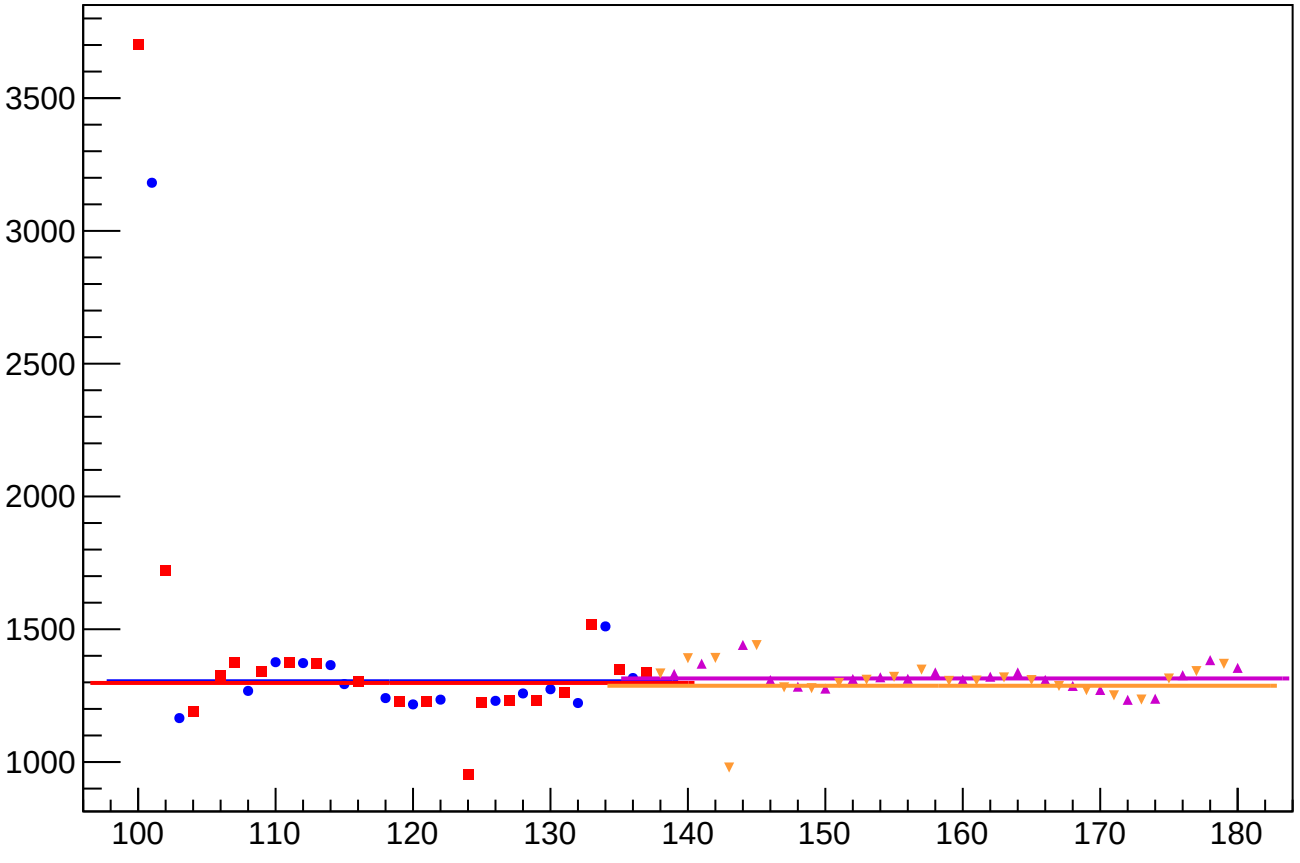
Left In: 568.638+/-316.767 χ^2/NDF:16.3/20

\+ sign 209.480+/-261.889 χ^2/NDF: 58.7/37

All: 318.954+/-186.379 χ^2/NDF: 90.9/77

\- 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: 1287.223+/-0.218 χ^2/NDF:216809.4/21

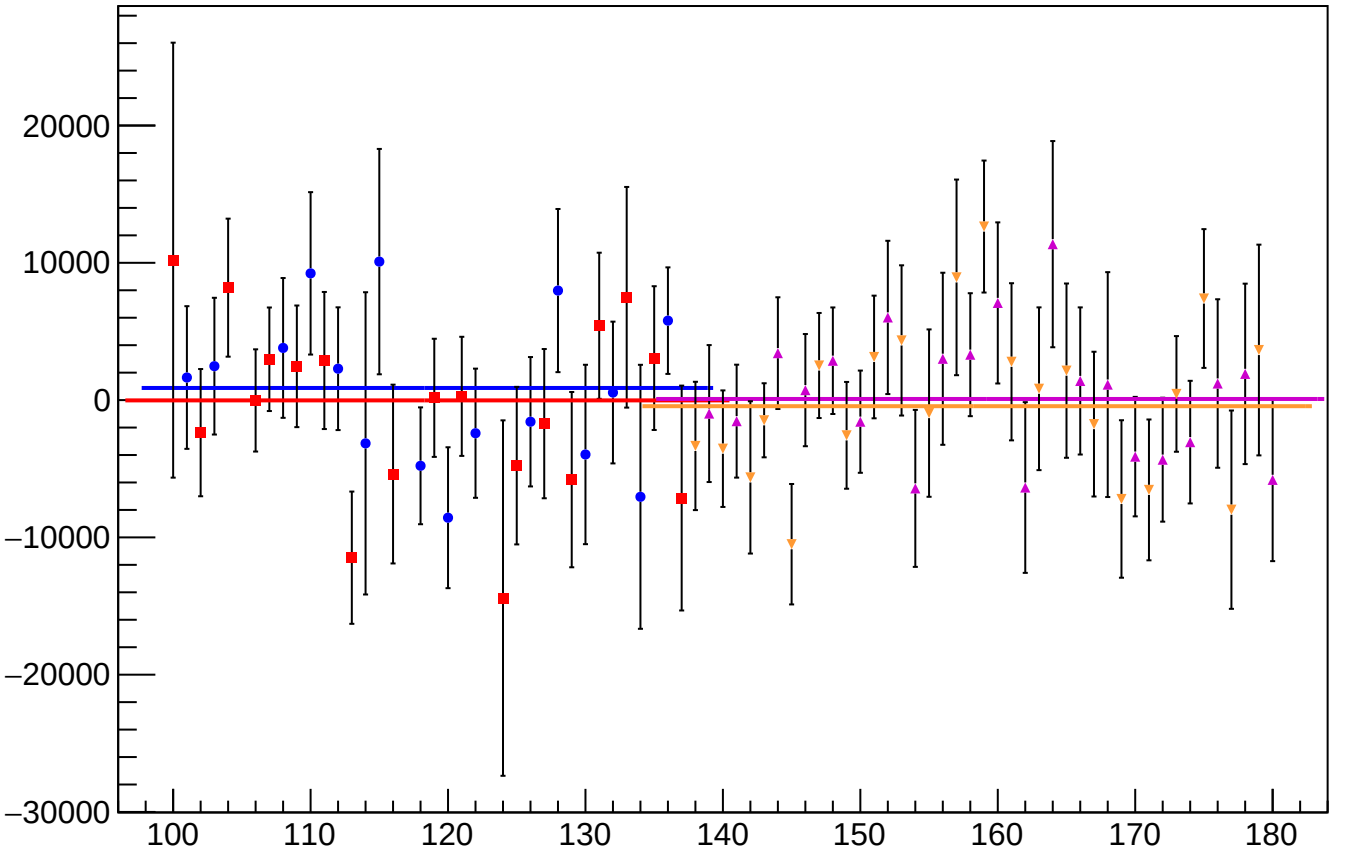
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.719+/-0.224 χ^2/NDF:42300.5/20

+ sign 1291.964+/-0.185 χ^2/NDF: 729076.8/37

All: 1300.700+/-0.132 χ^2/NDF: 990688.6/77

- 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: -443.270+/-1025.523 χ^2/NDF:25.9/21

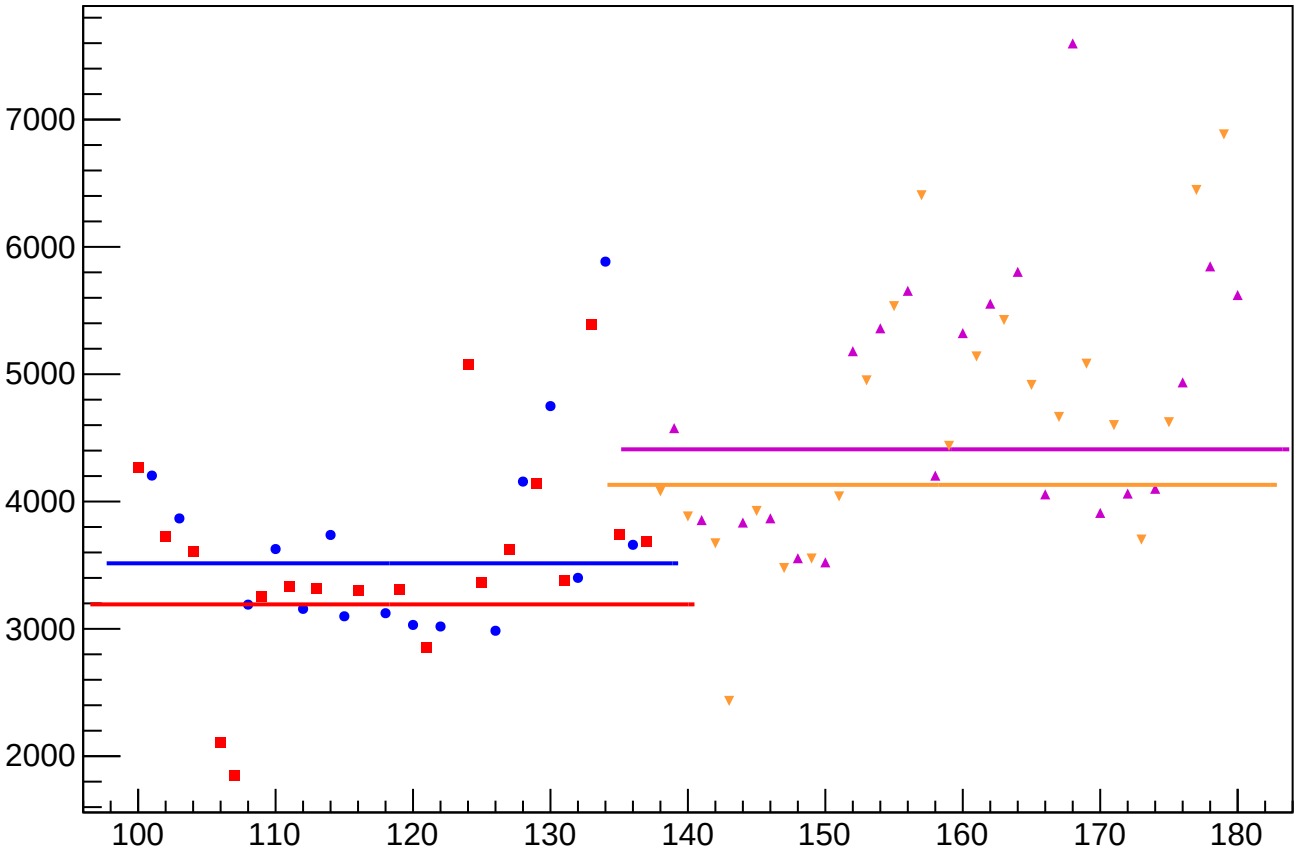
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.423 χ^2/NDF:13.1/20

+ sign 52.858+/-811.538 χ^2/NDF: 40.6/37

All: 44.321+/-571.512 χ^2/NDF: 70.5/77

- 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: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

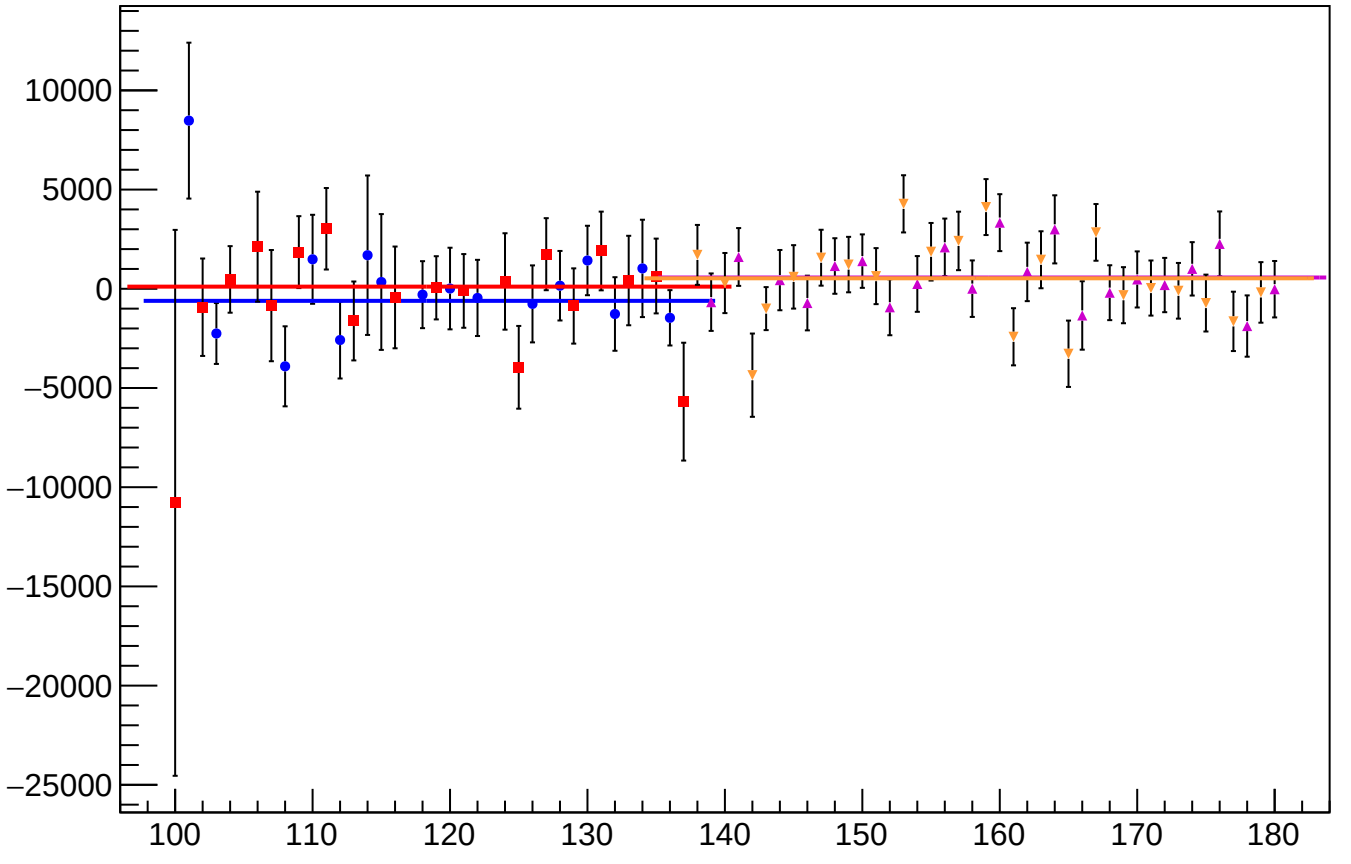
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4410.019+/-0.768 χ^2/NDF:1239942.6/20

+ sign 3900.689+/-0.574 χ^2/NDF: 2710921.9/37

All: 3881.198+/-0.404 χ^2/NDF: 5858555.1/77

- 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: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

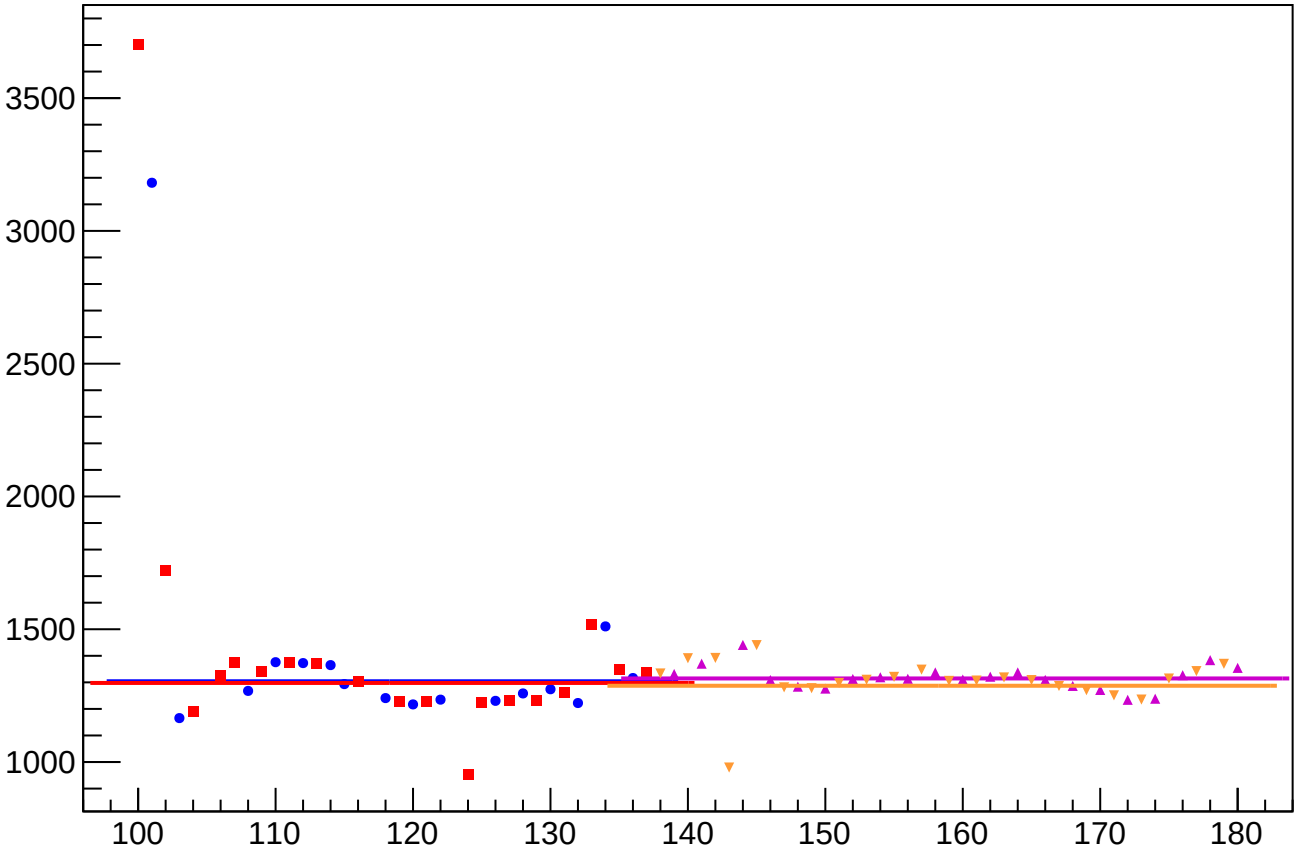
Left In: 568.639+/-316.768 χ^2/NDF:16.3/20

+ sign 209.481+/-261.890 χ^2/NDF: 58.7/37

All: 318.956+/-186.379 χ^2/NDF: 90.9/77

- 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: 1287.224+/-0.218 χ^2/NDF:216812.0/21

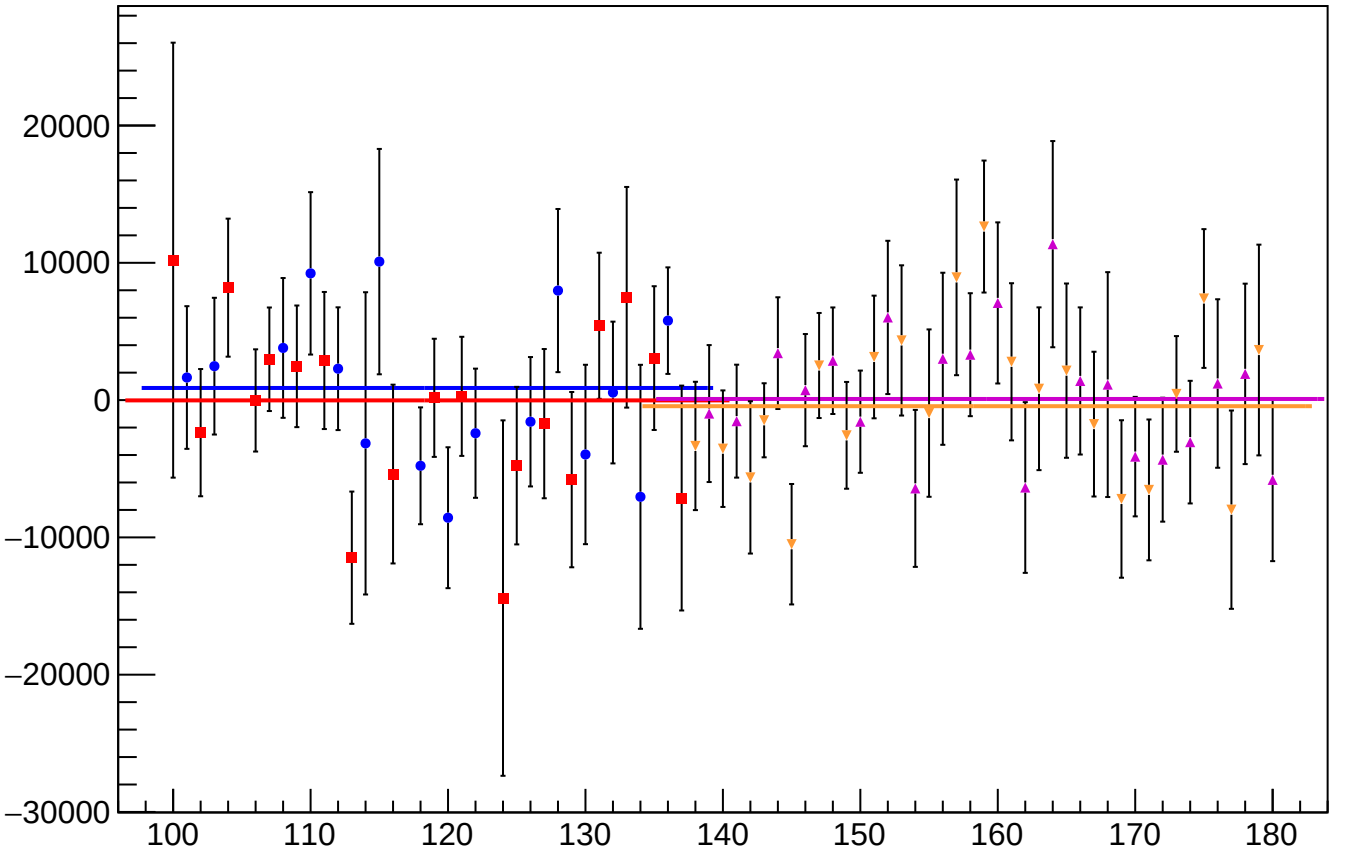
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.720+/-0.224 χ^2/NDF:42302.6/20

+ sign 1291.964+/-0.185 χ^2/NDF: 729079.3/37

All: 1300.701+/-0.132 χ^2/NDF: 990693.7/77

- 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: -443.268+/-1025.525 χ^2/NDF:25.9/21

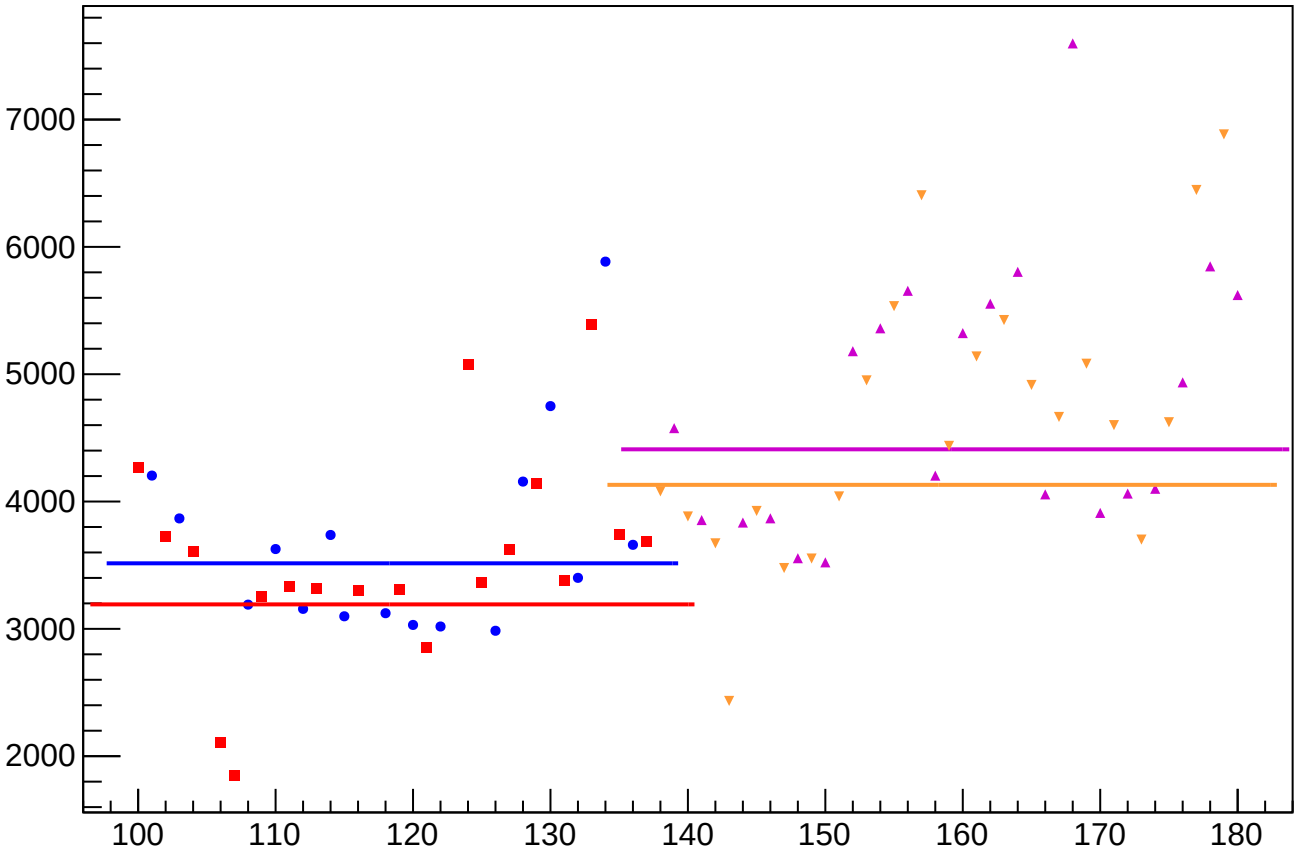
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.424 χ^2/NDF:13.1/20

+ sign 52.858+/-811.539 χ^2/NDF: 40.6/37

All: 44.321+/-571.512 χ^2/NDF: 70.5/77

- 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: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

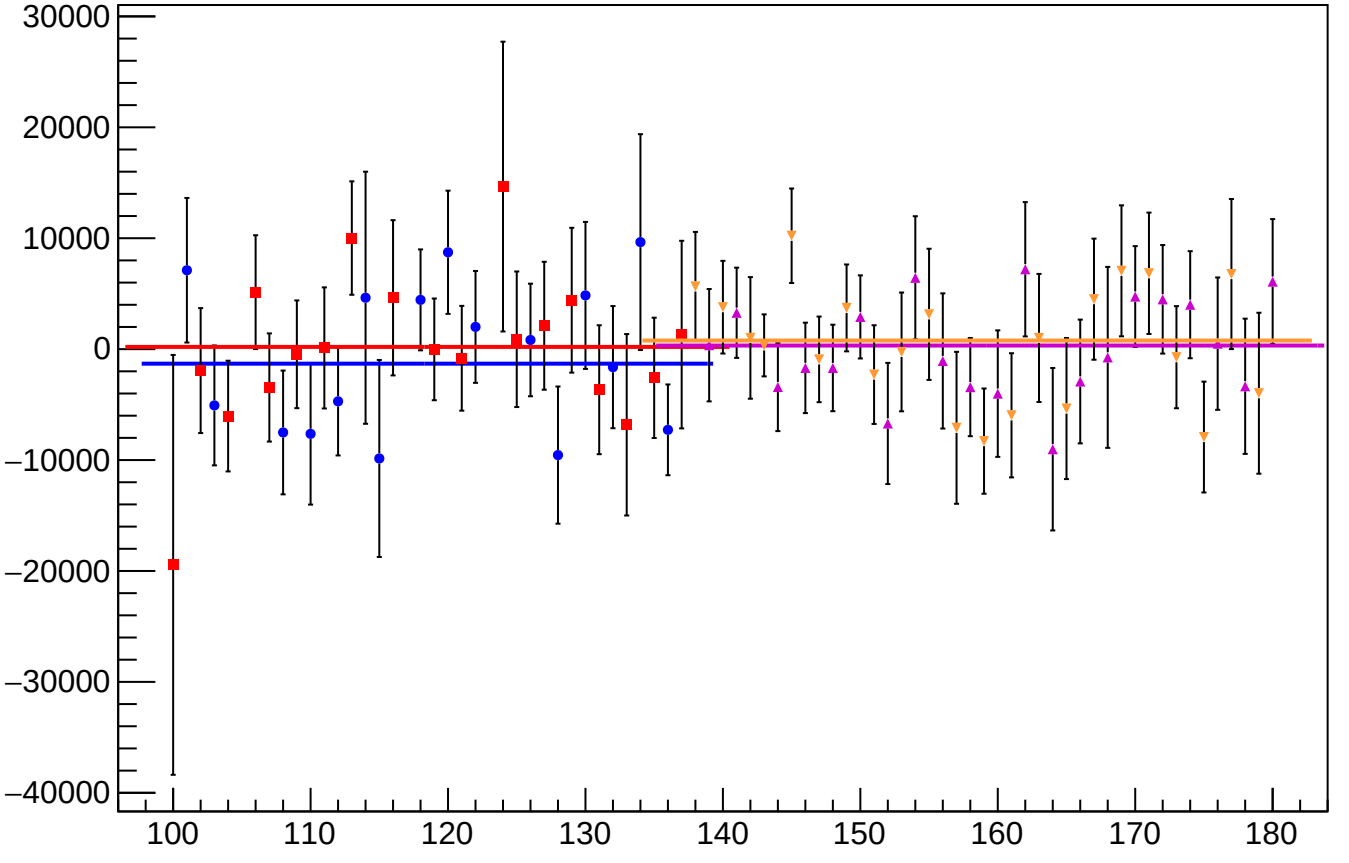
Left In: 4410.026+/-0.768 χ^2/NDF:1239946.7/20

\+ sign 3900.689+/-0.574 χ^2/NDF: 2710943.4/37

All: 3881.196+/-0.404 χ^2/NDF: 5858611.7/77

\- 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: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

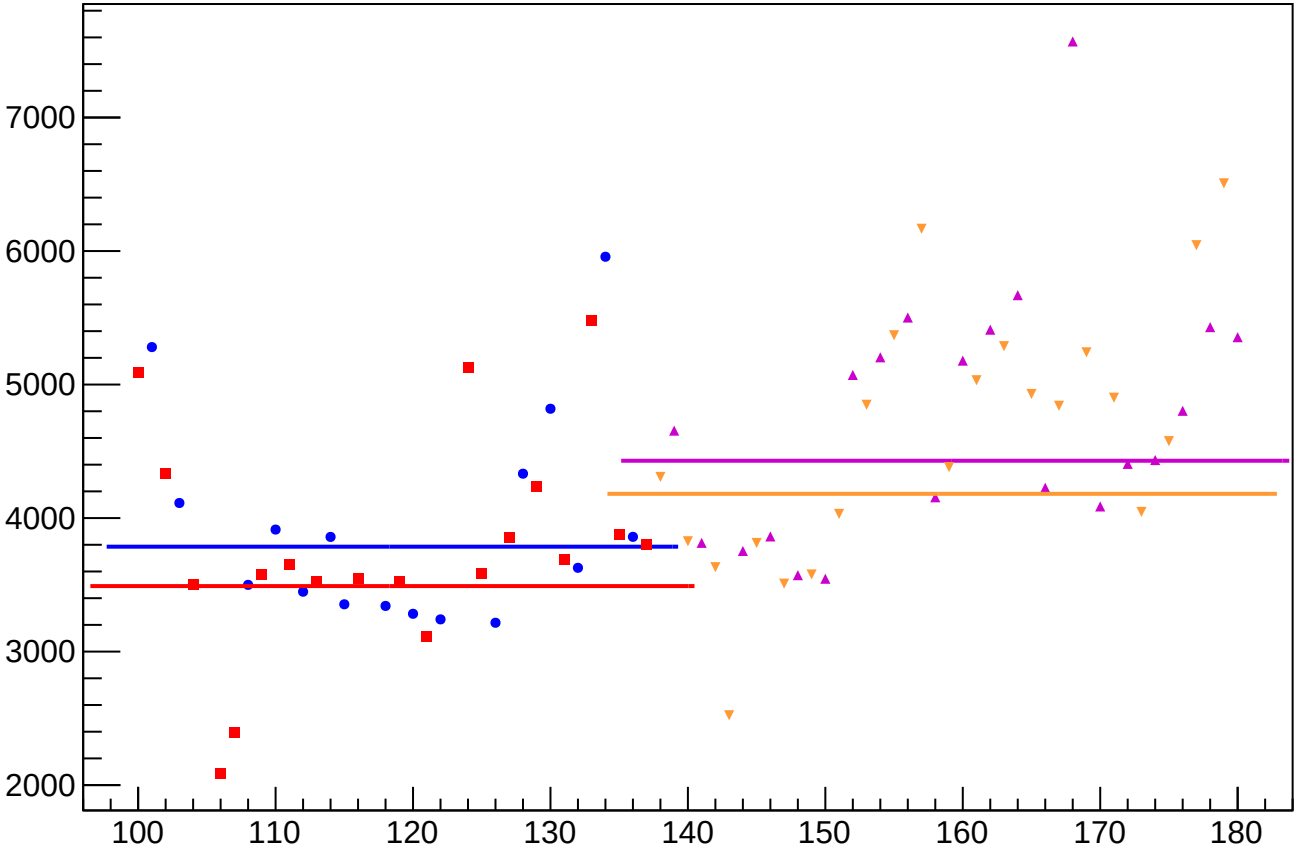
Left In: 324.975+/-1086.468 χ^2/NDF:13.5/20

+ sign 62.260+/-837.593 χ^2/NDF: 41.4/37

All: 168.382+/-594.149 χ^2/NDF: 66.6/77

- 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: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

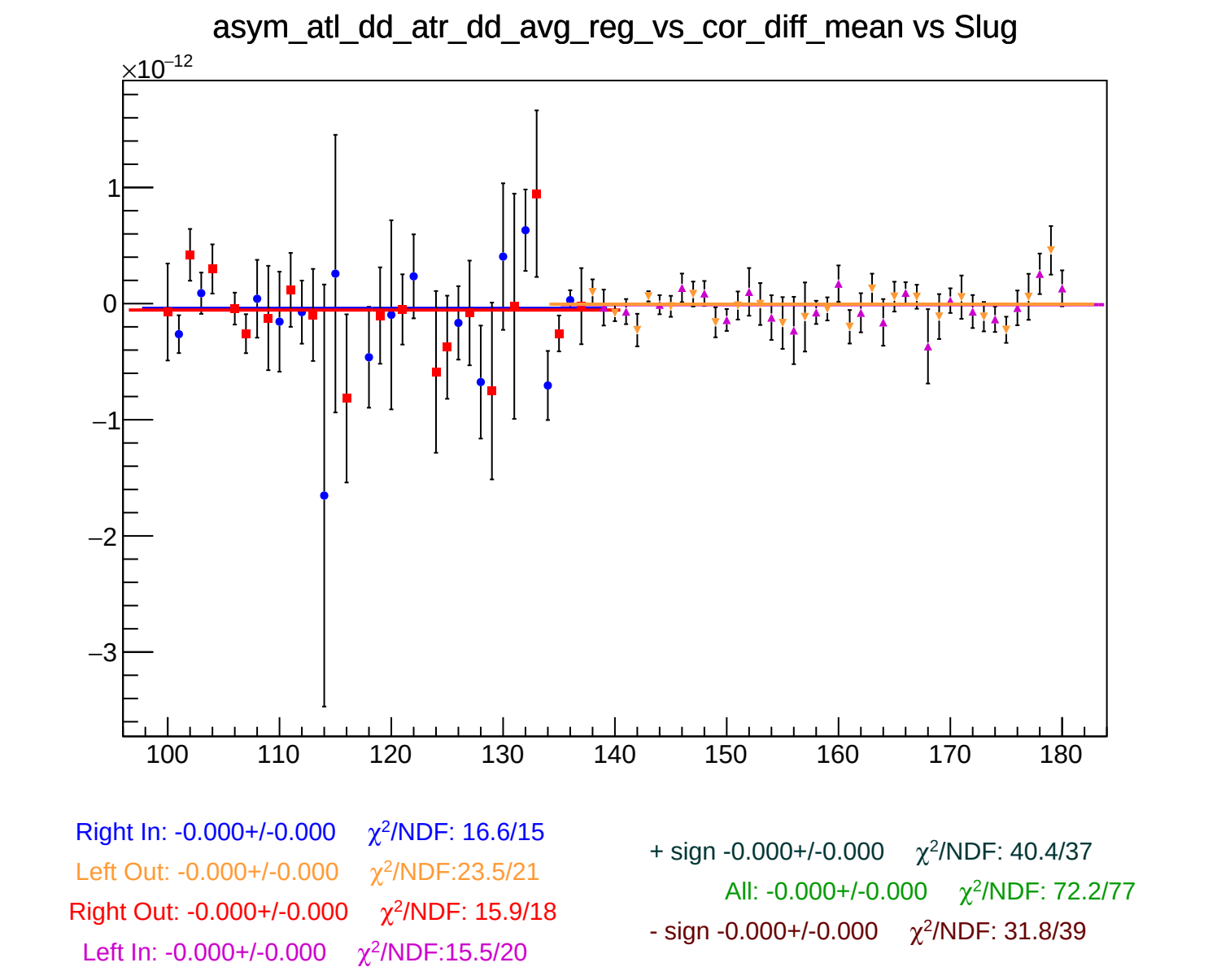
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

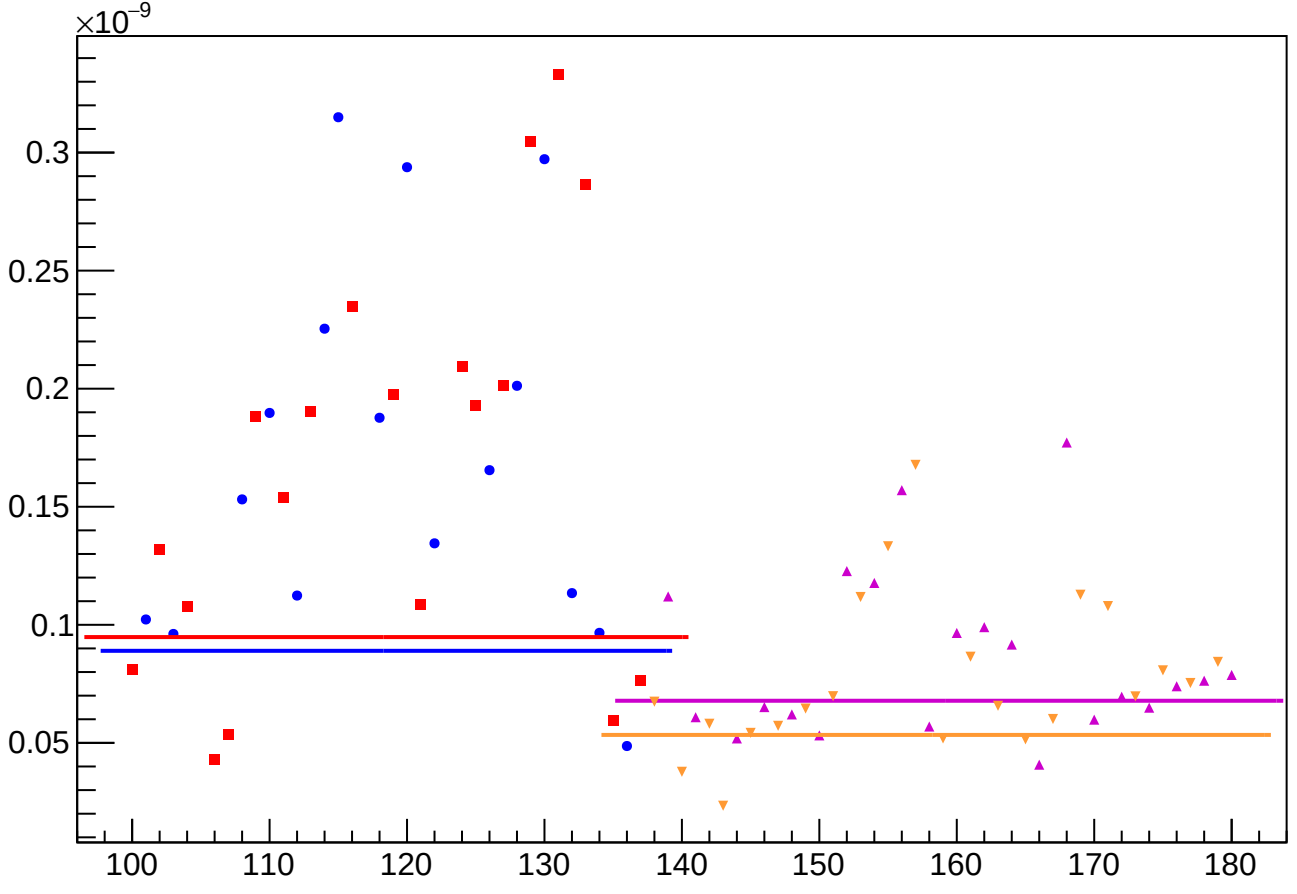
Left In: 4429.354+/-0.768 χ^2/NDF:1060790.8/20

+ sign 4046.115+/-0.592 χ^2/NDF: 2279129.2/37

All: 4047.803+/-0.419 χ^2/NDF: 4530828.4/77

- 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:23.5/21
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: 40.4/37
All: -0.000+/-0.000 χ²/NDF: 72.2/77
- 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:2592157.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

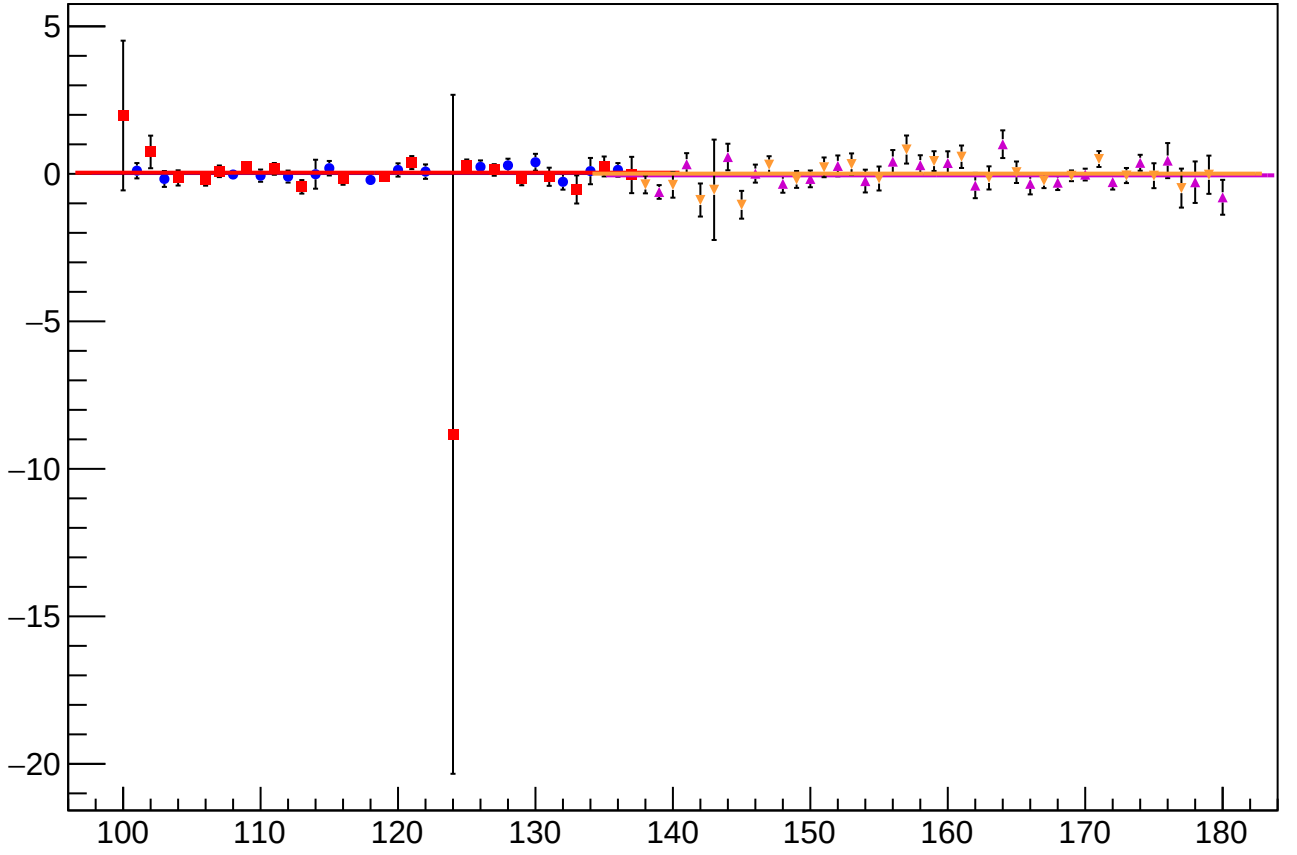
Left In: 0.000+/-0.000 χ^2/NDF:1395768.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 4684290.4/37

All: 0.000+/-0.000 χ^2/NDF: 8463792.9/77

- 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: 0.007+/-0.072 χ^2/NDF:24.8/21

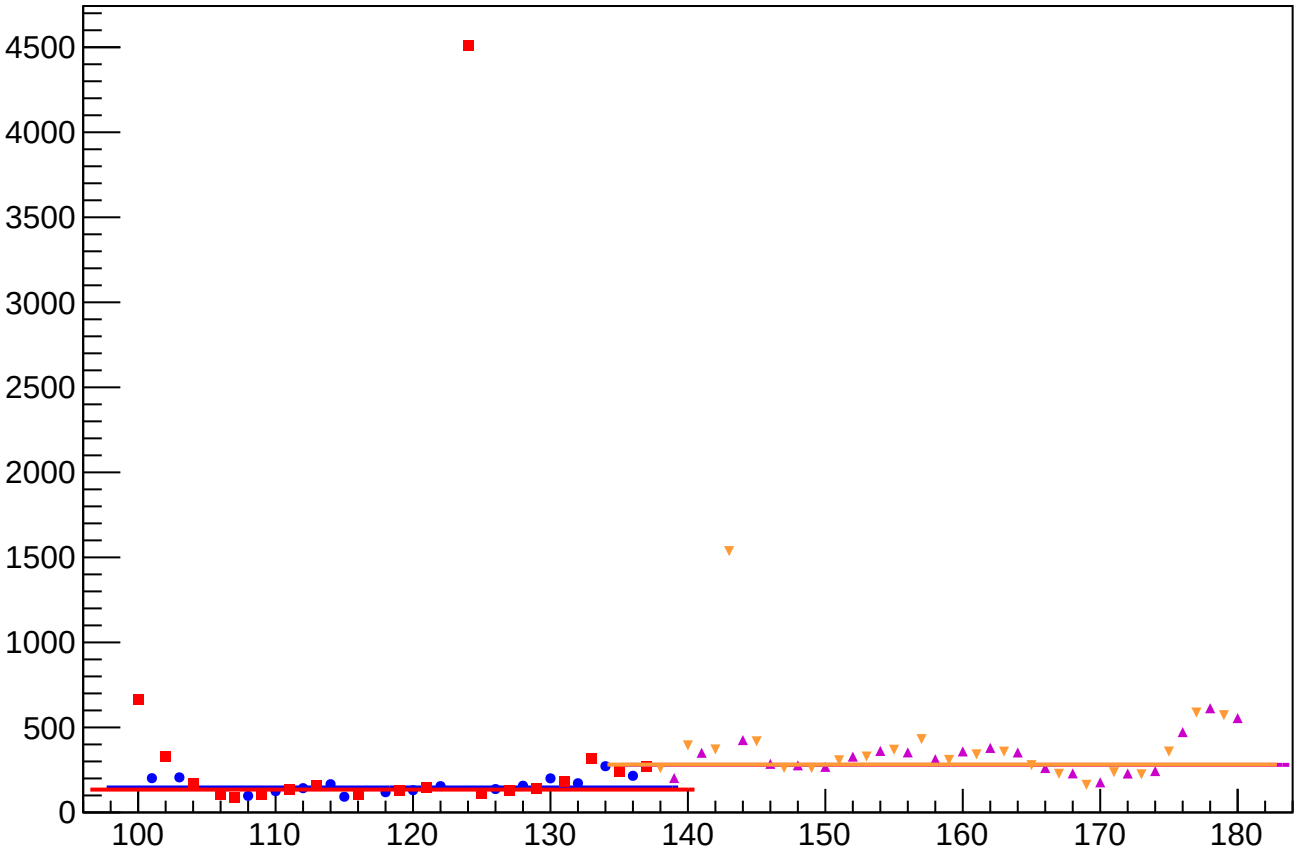
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

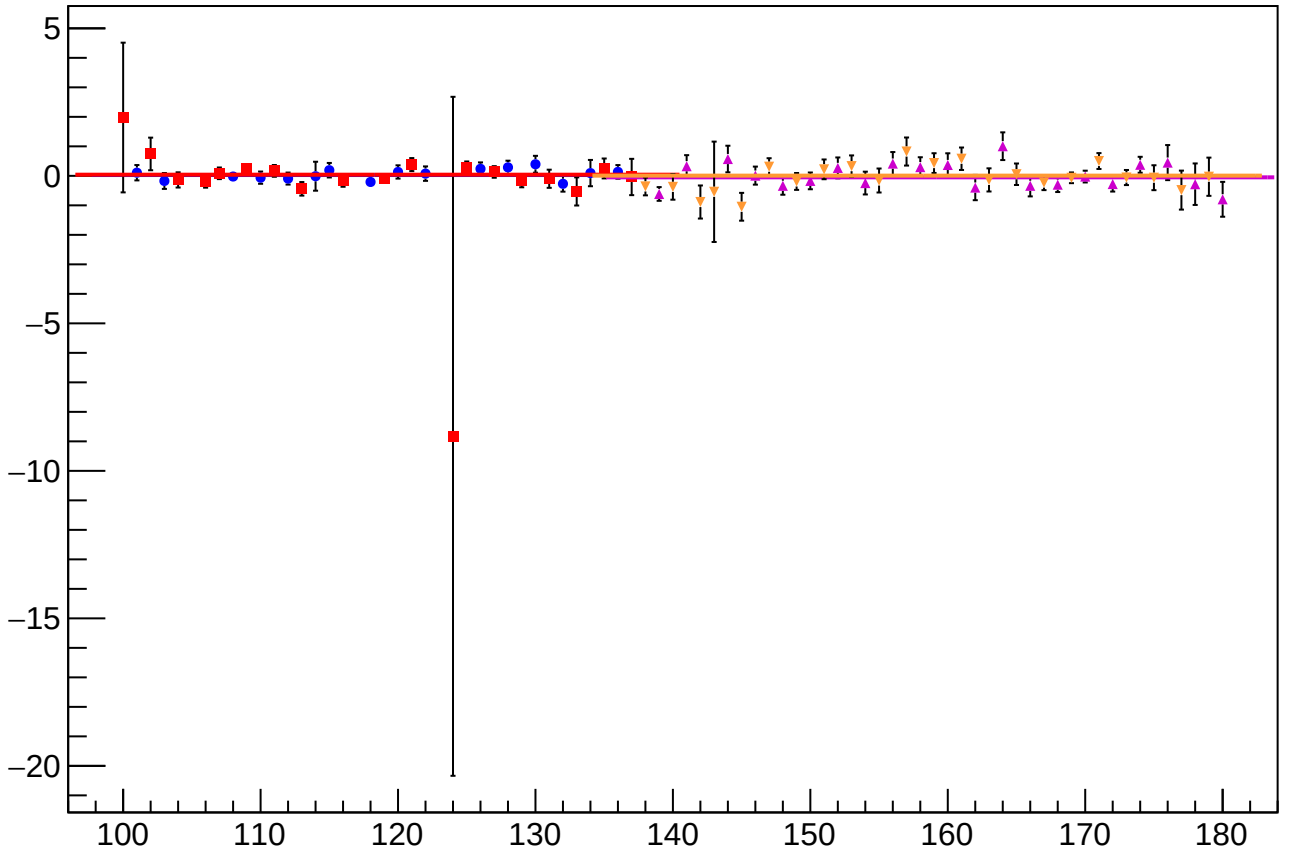
Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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: 281.543+/-0.051 χ²/NDF:3942972.6/21
Right Out: 134.505+/-0.039 χ²/NDF: 1606383.2/18
Left In: 279.868+/-0.050 χ²/NDF:2781571.7/20
+ sign 199.072+/-0.032 χ²/NDF: 9169200.3/37
All: 193.546+/-0.022 χ²/NDF: 18839275.9/77
- sign 188.428+/-0.031 χ²/NDF: 9612358.2/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

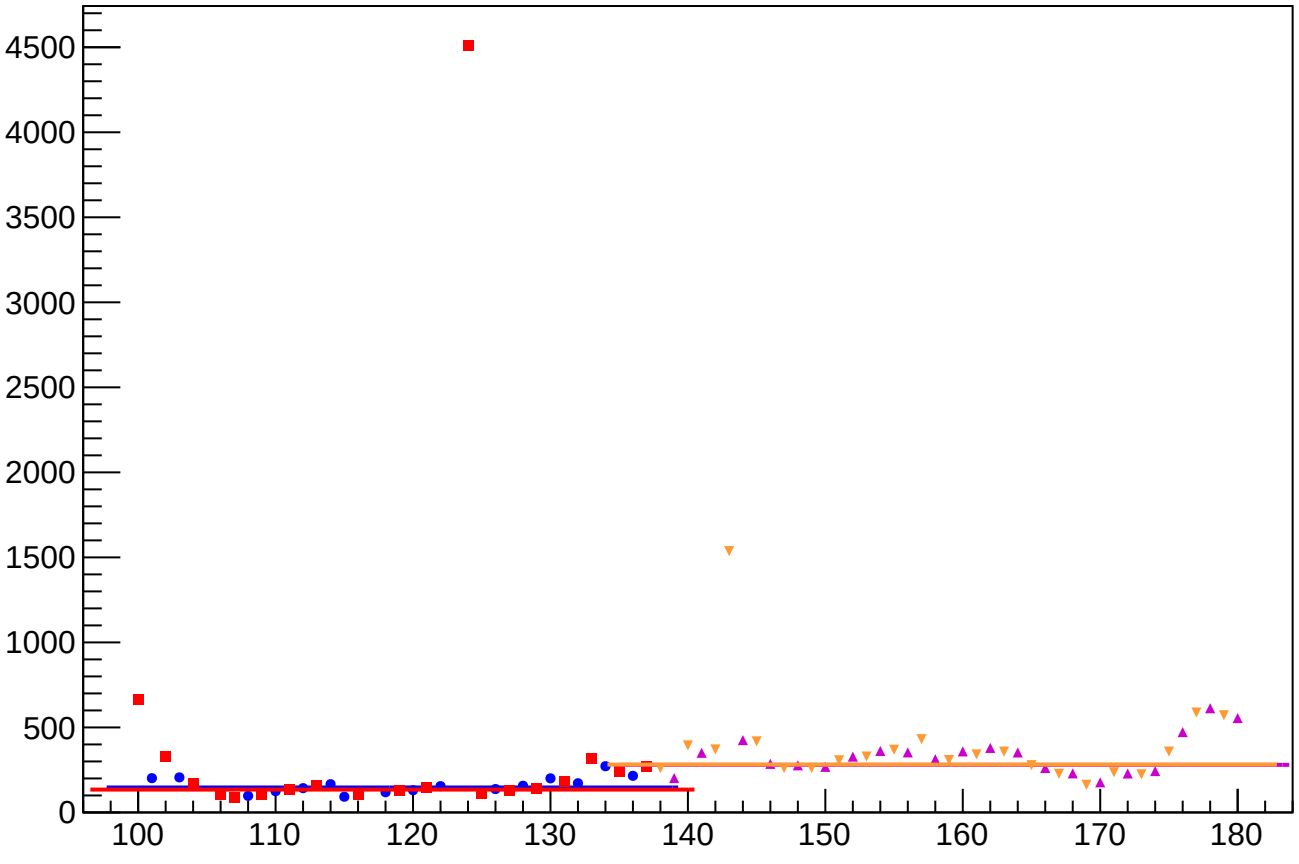
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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: 281.543+/-0.051 χ^2/NDF:3942972.6/21

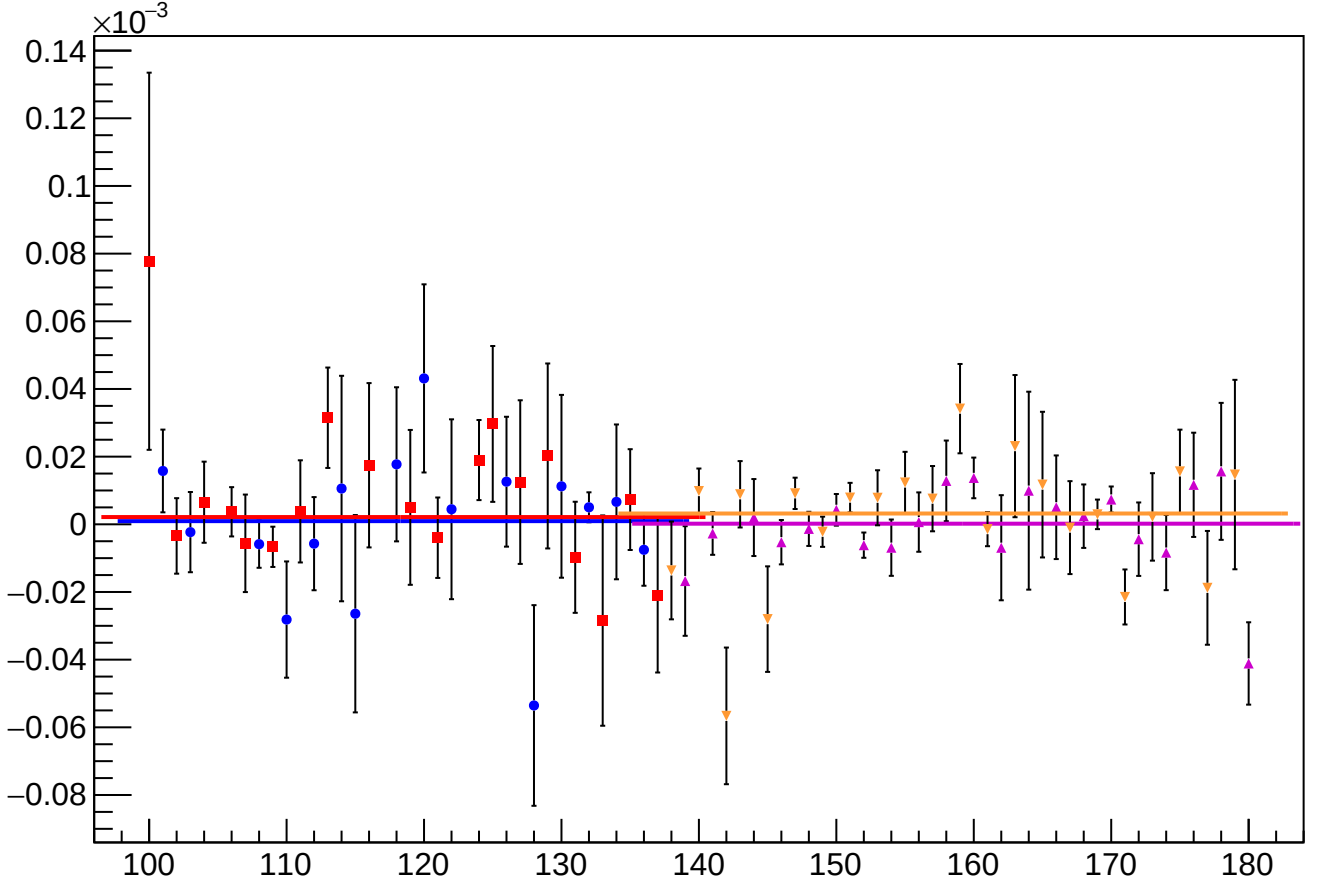
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77

- 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:40.9/21

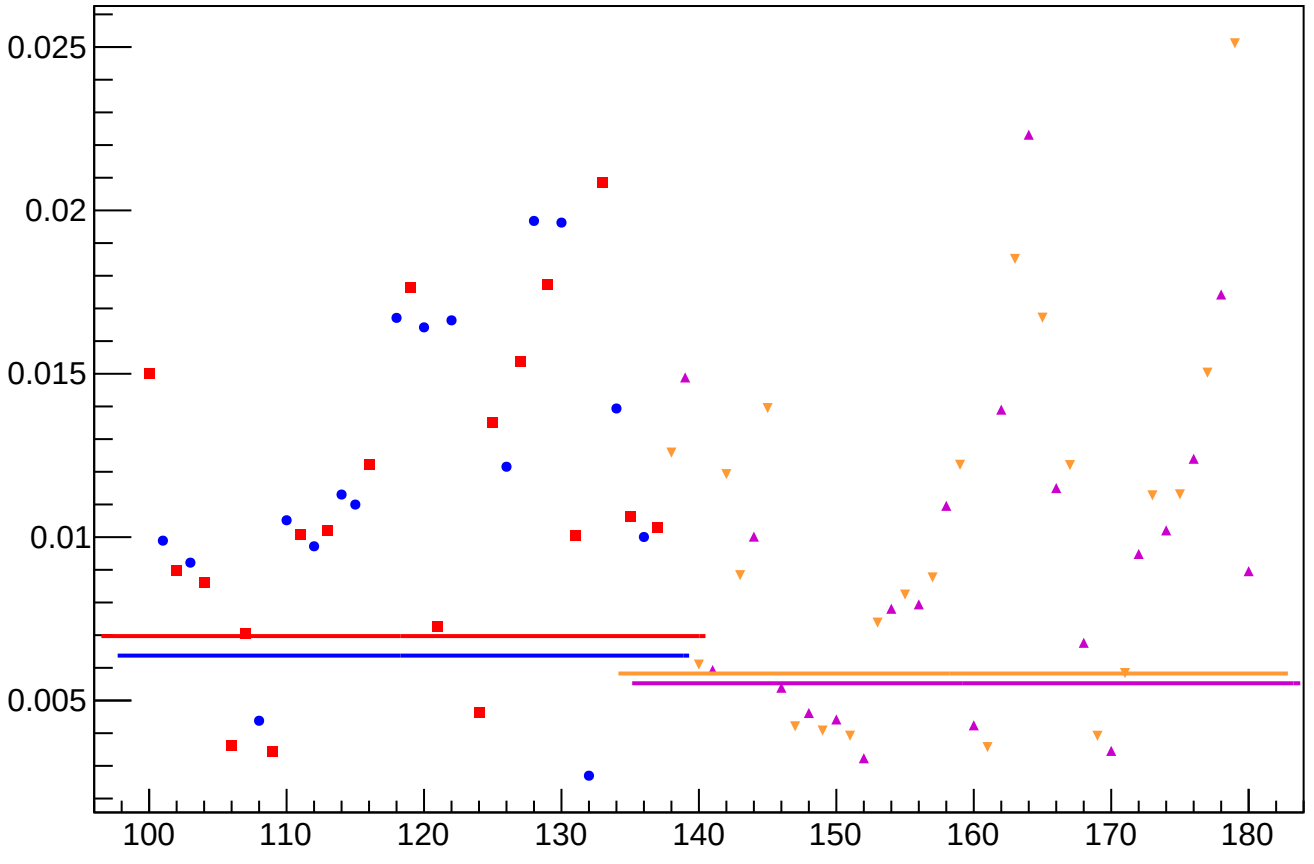
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:30.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/37

All: 0.000+/-0.000 χ^2/NDF: 103.7/77

- 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:7905607.3/21

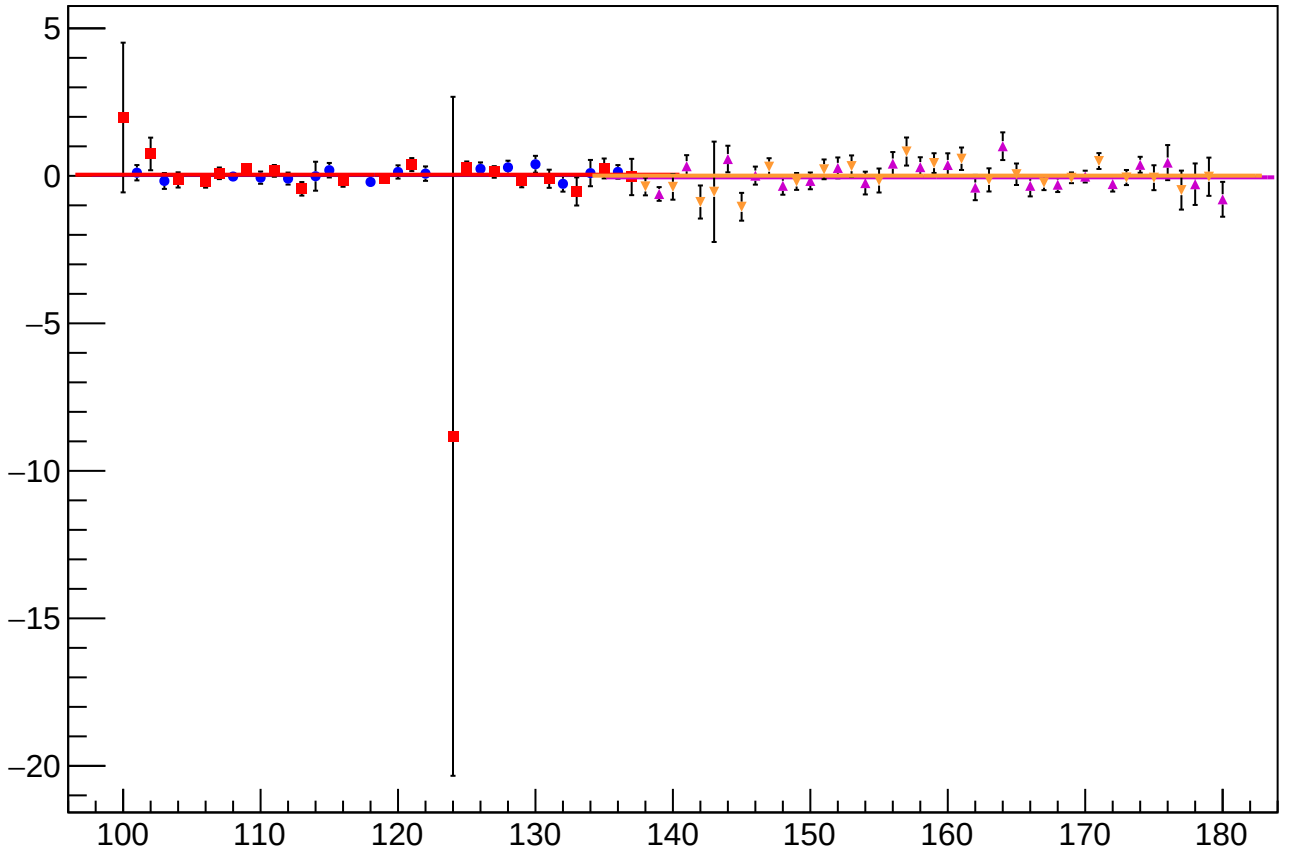
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:6756812.9/20

+ sign 0.006+/-0.000 χ^2/NDF: 12598679.7/37

All: 0.006+/-0.000 χ^2/NDF: 23131495.4/77

- 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: 0.007+/-0.072 χ^2/NDF:24.8/21

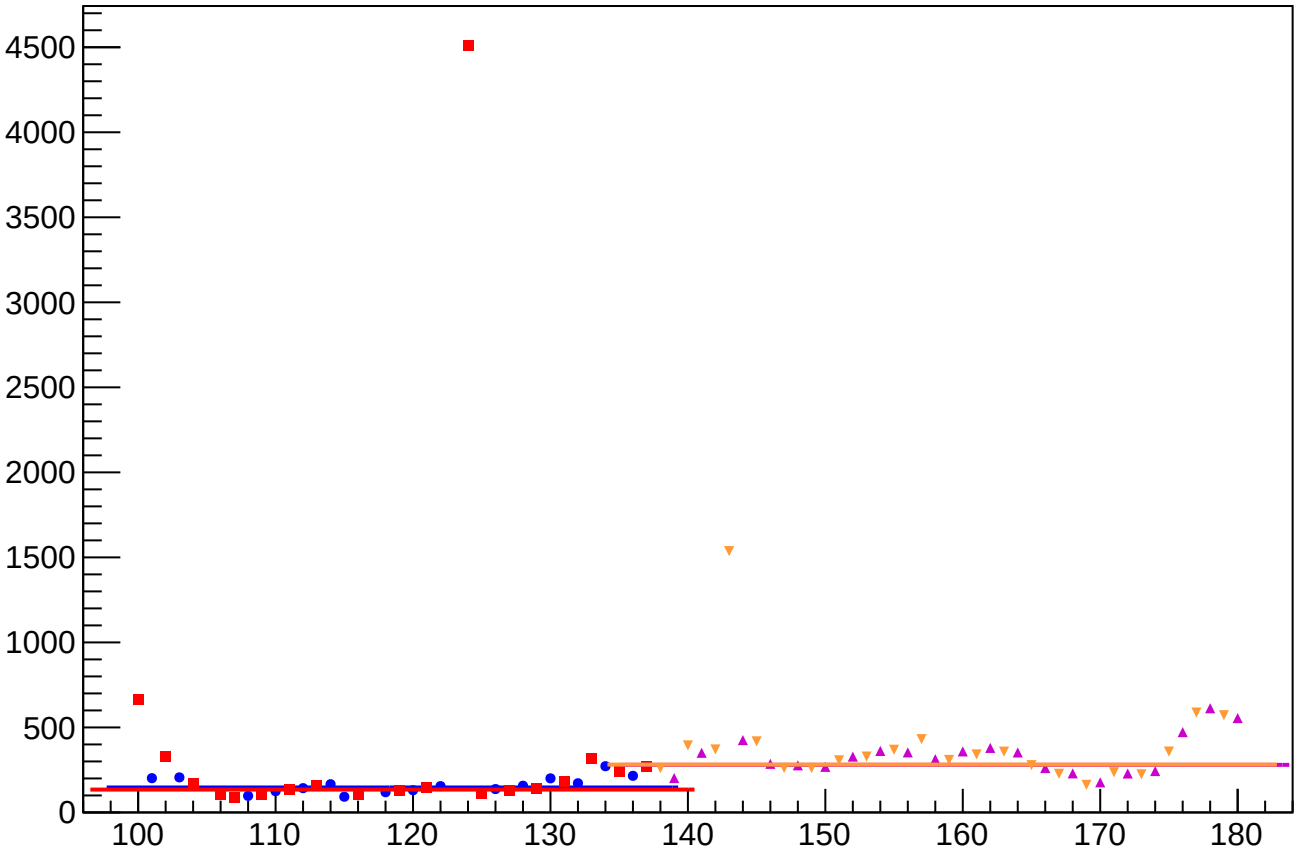
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

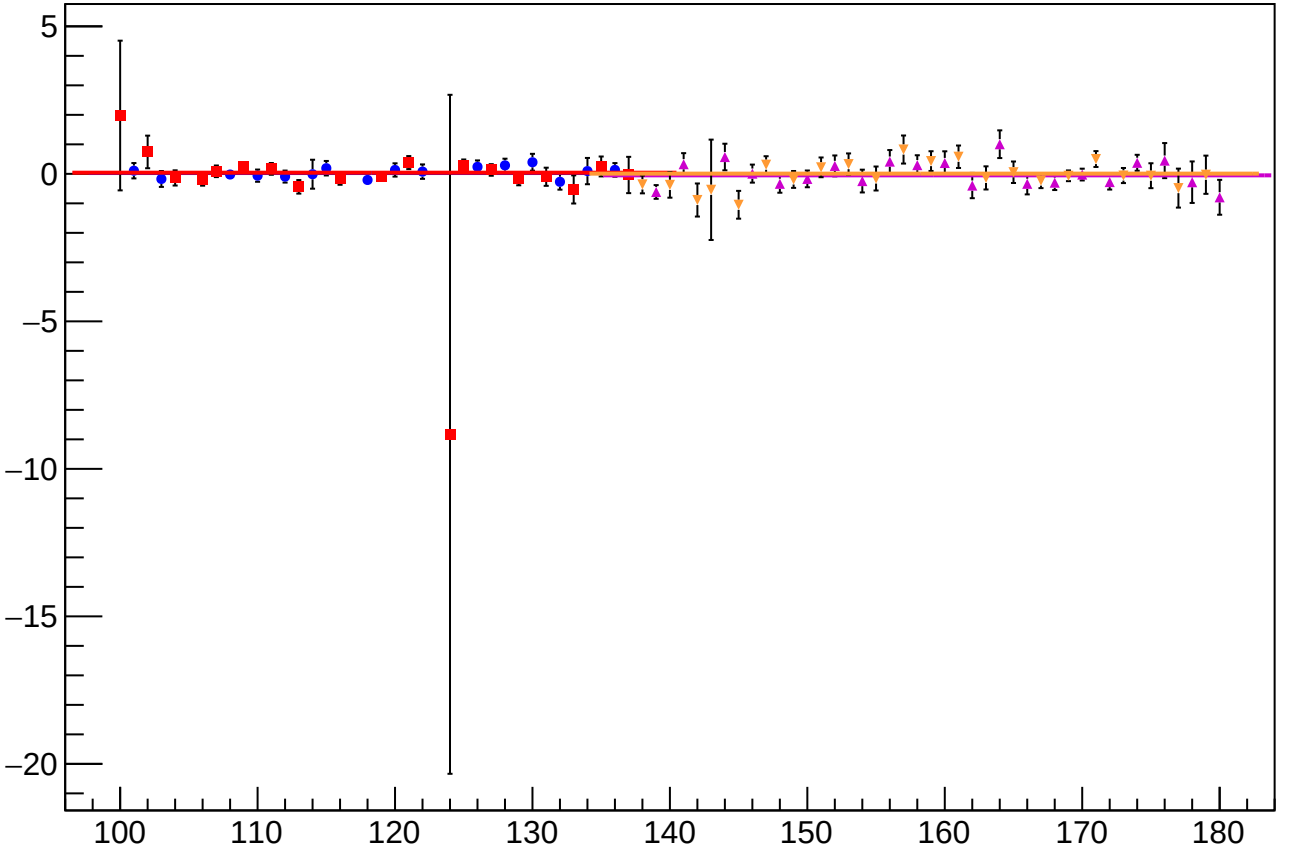
Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

+ sign 199.072+/-0.032 χ^2/NDF: 9169320.6/37

All: 193.547+/-0.022 χ^2/NDF: 18839353.2/77

- 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: 0.007+/-0.072 χ^2/NDF:24.8/21

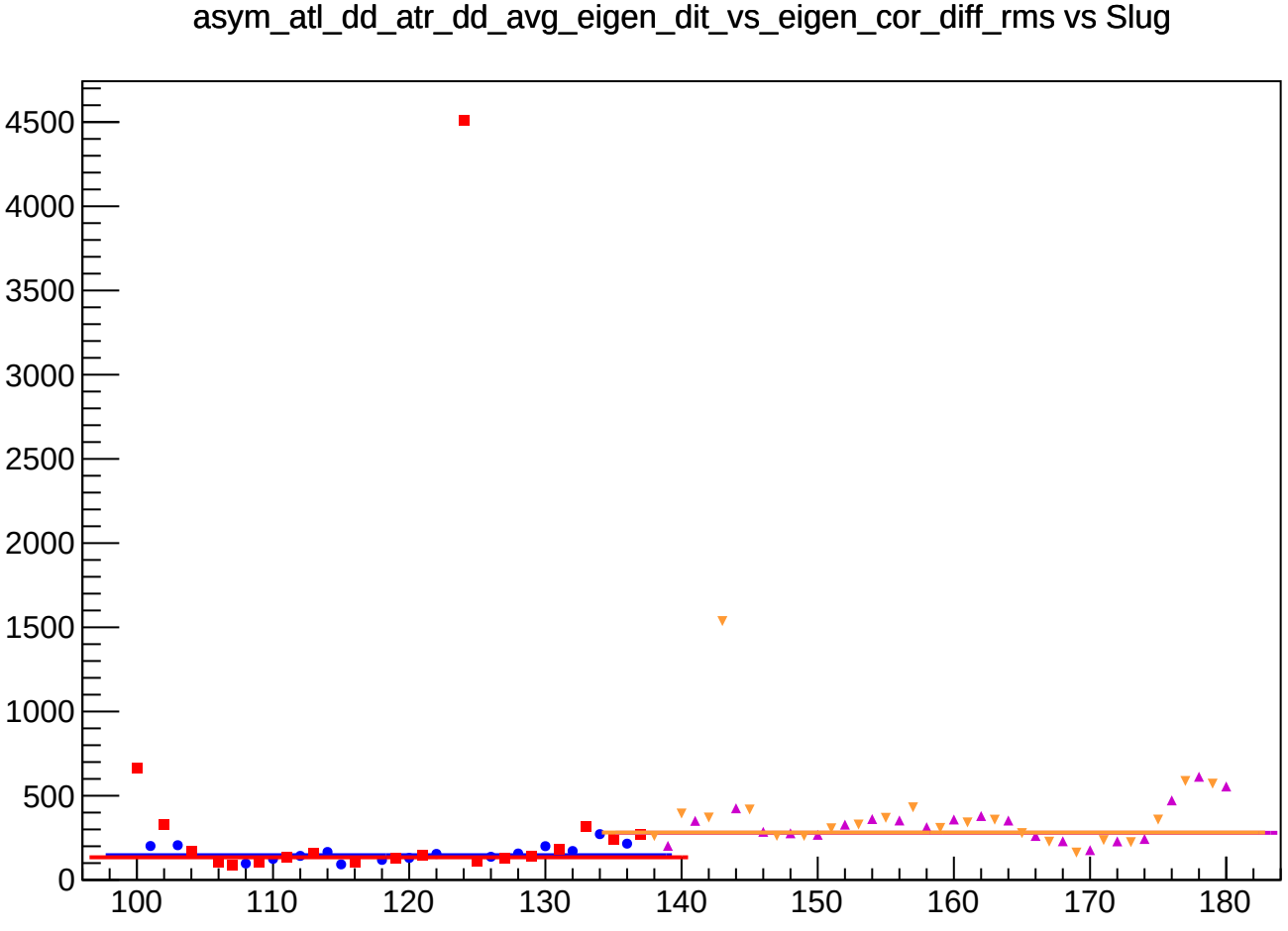
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

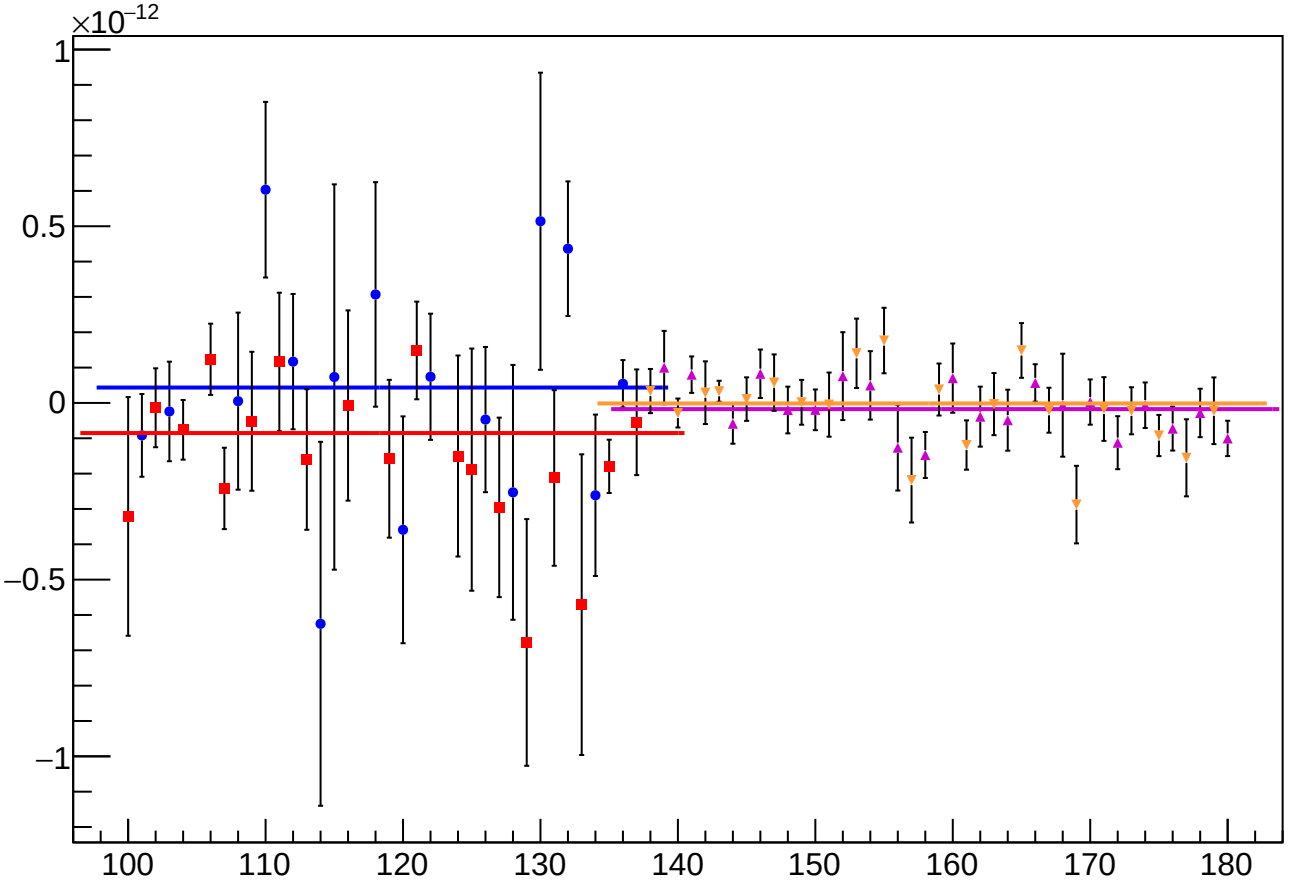
Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 281.543+/-0.051 χ²/NDF:3943153.6/21
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 279.870+/-0.050 χ²/NDF:2781676.9/20
+ sign 199.072+/-0.032 χ²/NDF: 9169320.6/37
All: 193.547+/-0.022 χ²/NDF: 18839353.2/77
- 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:30.2/21

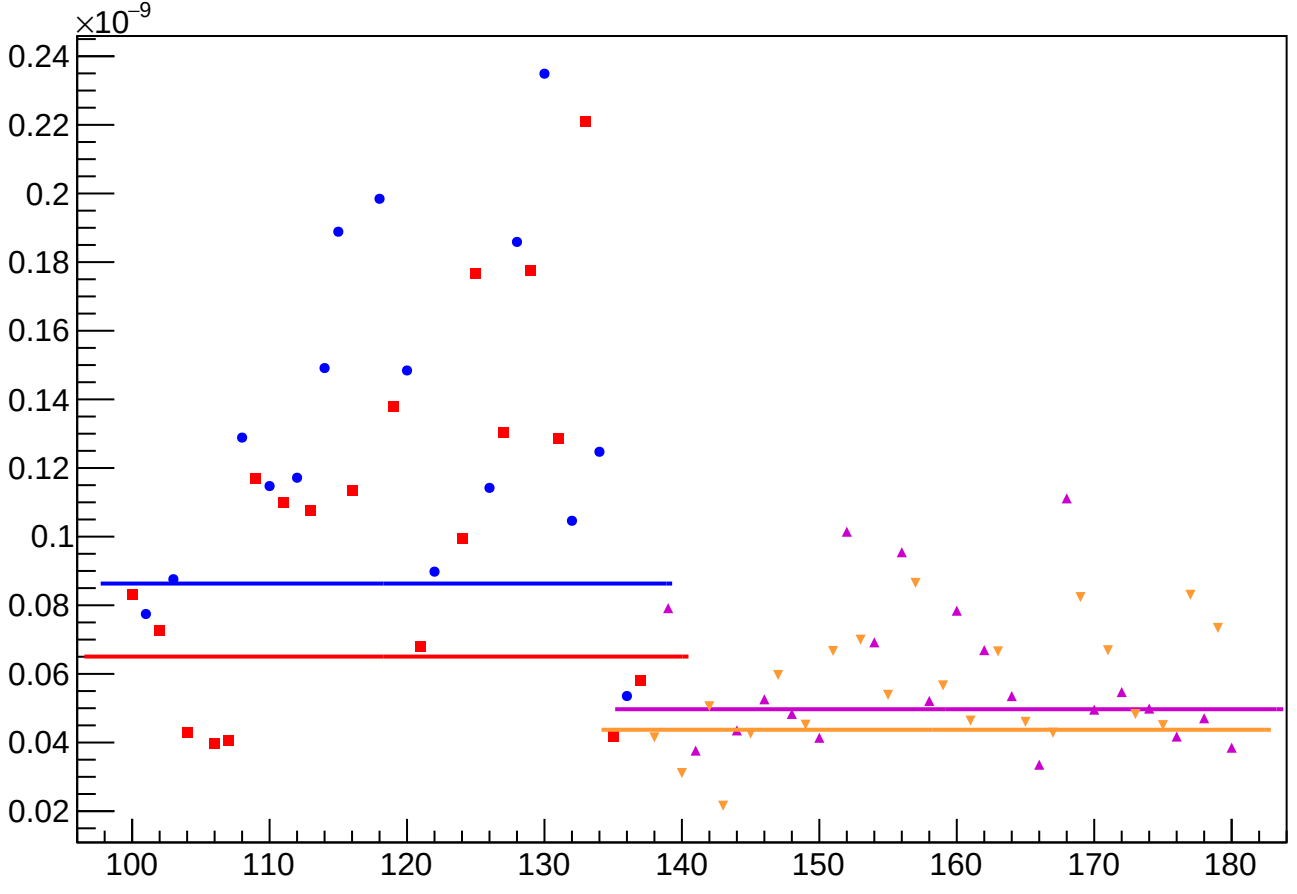
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 50.2/37

All: -0.000+/-0.000 χ^2/NDF: 96.0/77

- 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:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

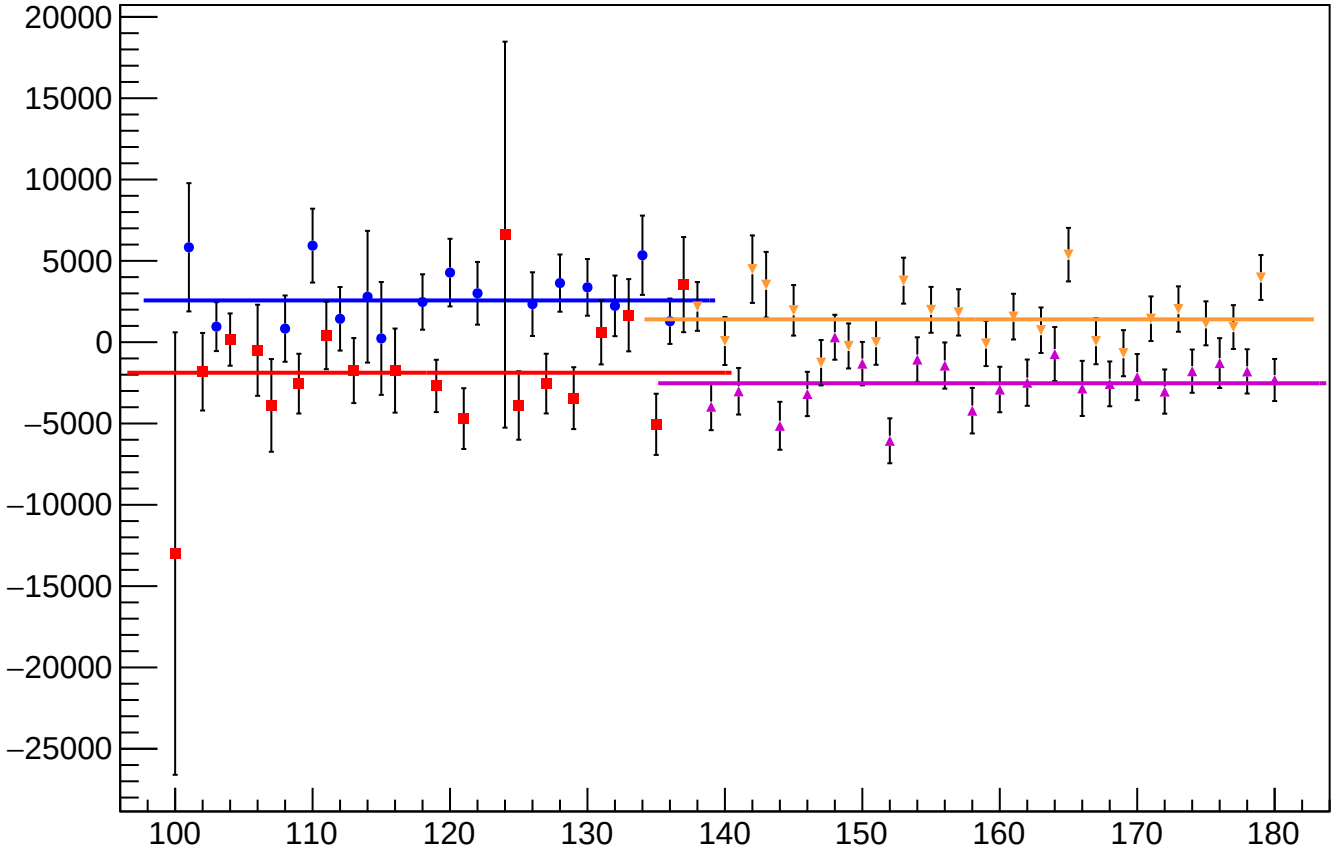
Left In: 0.000+/-0.000 χ^2/NDF:1999591.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 6360486.4/37

All: 0.000+/-0.000 χ^2/NDF: 10956342.8/77

- 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: 1403.942+/-309.969 χ^2/NDF:27.8/21

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

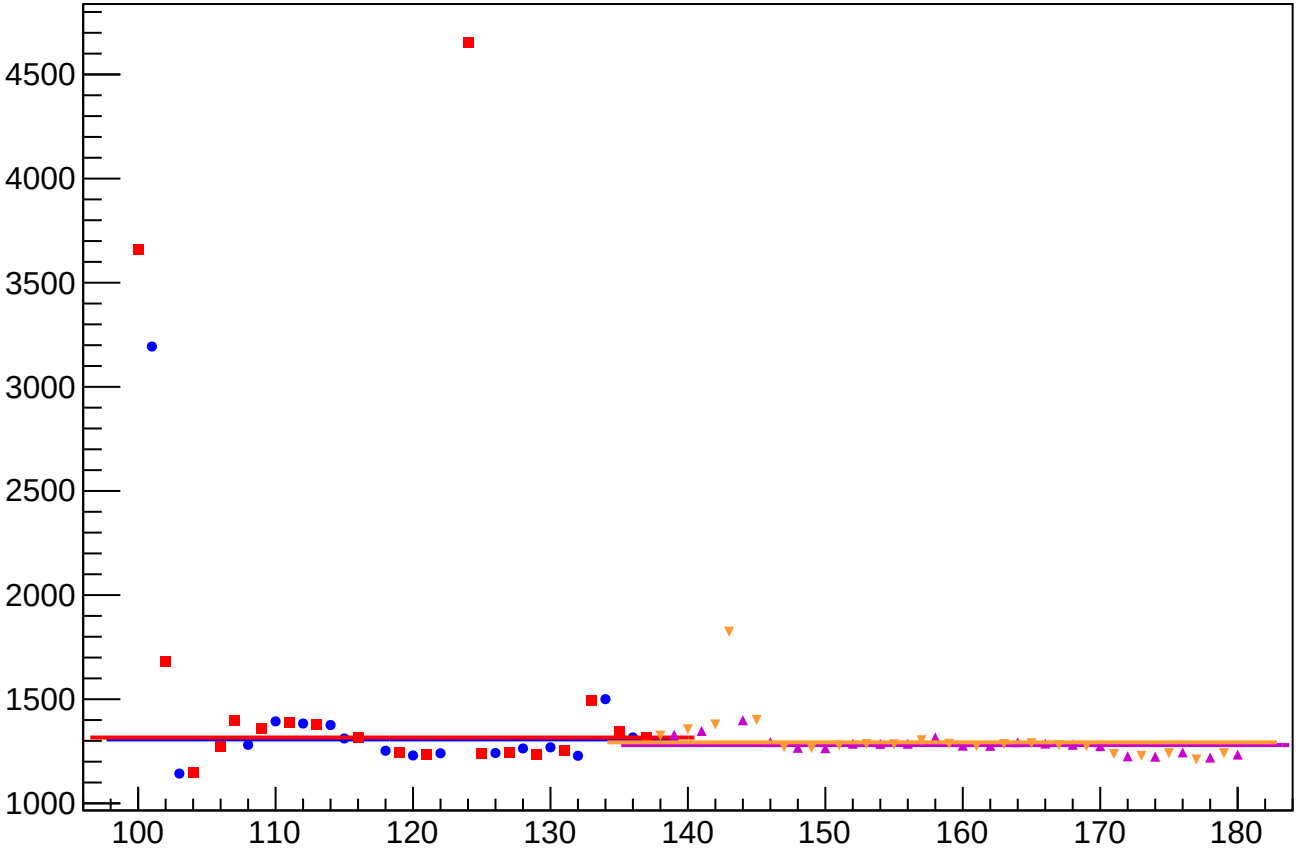
Left In: -2525.633+/-308.294 χ^2/NDF:22.0/20

+ sign 1731.328+/-262.766 χ^2/NDF: 40.8/37

All: -315.265+/-185.407 χ^2/NDF: 204.4/77

- 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: 1292.903+/-0.219 χ^2/NDF:179745.1/21

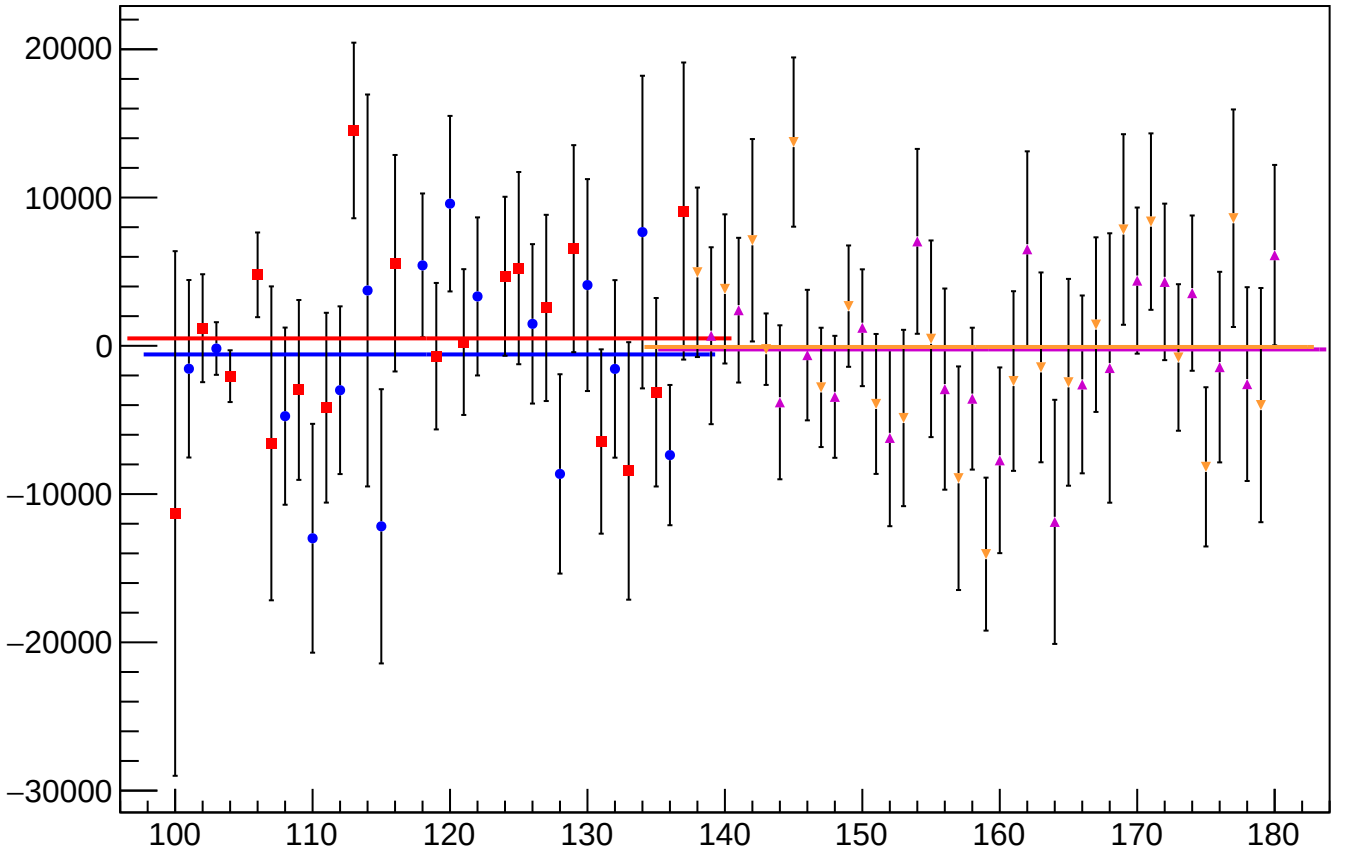
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1279.882+/-0.218 χ^2/NDF:36374.1/20

+ sign 1296.889+/-0.186 χ^2/NDF: 697169.4/37

All: 1293.439+/-0.131 χ^2/NDF: 1068357.3/77

- 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: -78.651+/-1097.226 χ^2/NDF:27.1/21

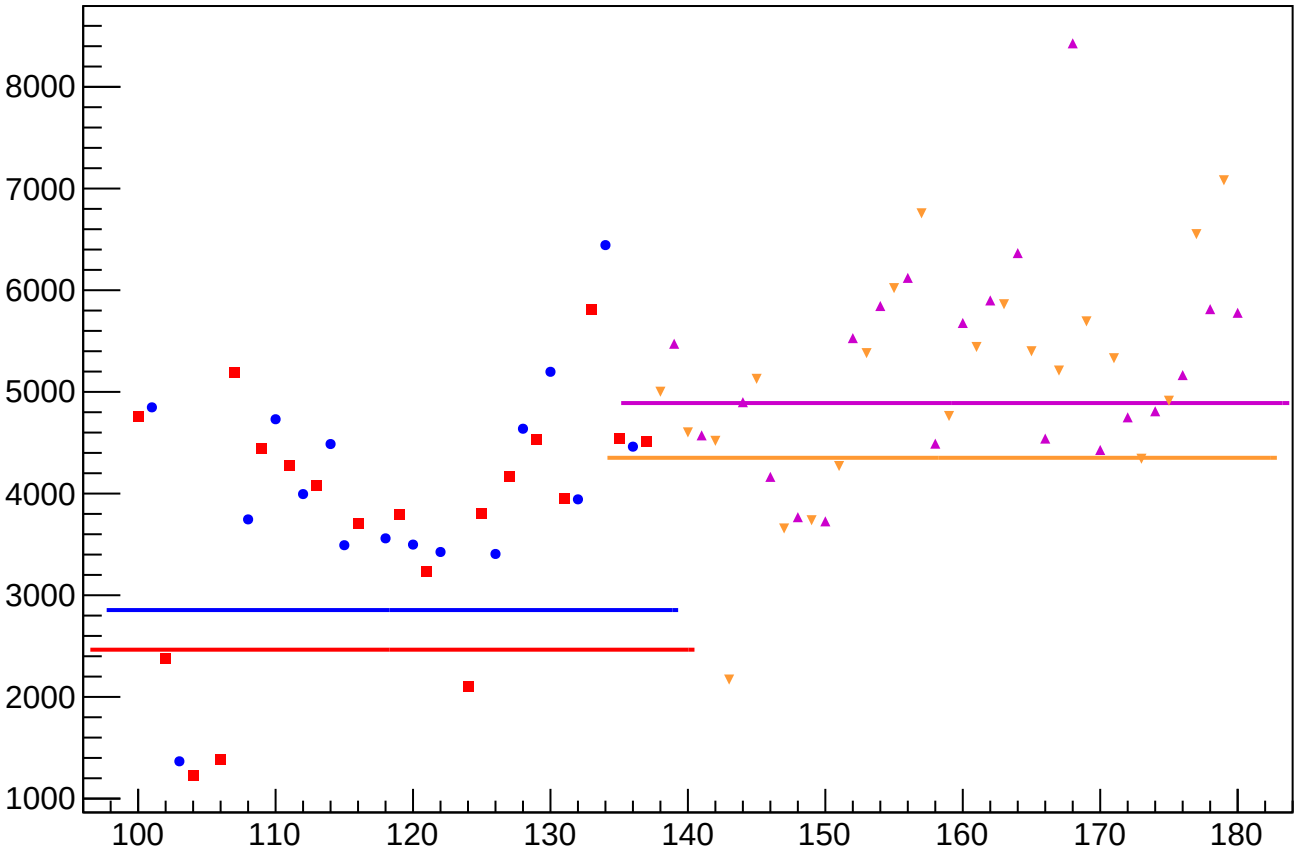
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -244.121+/-1201.349 χ^2/NDF:12.6/20

+ sign -309.246+/-807.552 χ^2/NDF: 42.0/37

All: -62.229+/-565.775 χ^2/NDF: 72.7/77

- 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: 4351.866+/-0.776 χ^2/NDF:3059565.7/21

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

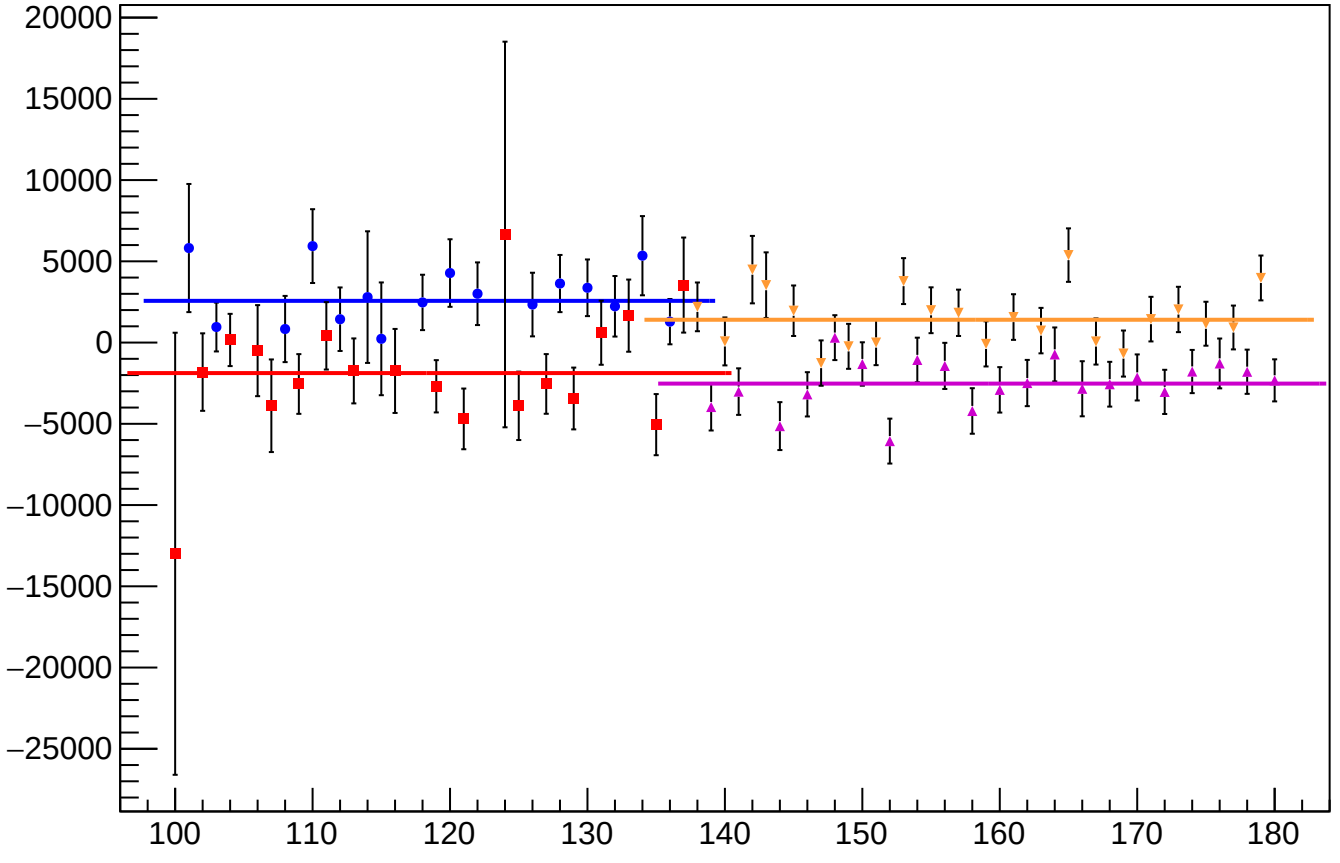
Left In: 4890.245+/-0.849 χ^2/NDF:1113233.9/20

+ sign 3665.513+/-0.571 χ^2/NDF: 7671928.1/37

All: 3592.055+/-0.400 χ^2/NDF: 16775390.4/7

- 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: 1403.880+/-309.969 χ^2/NDF:27.8/21

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

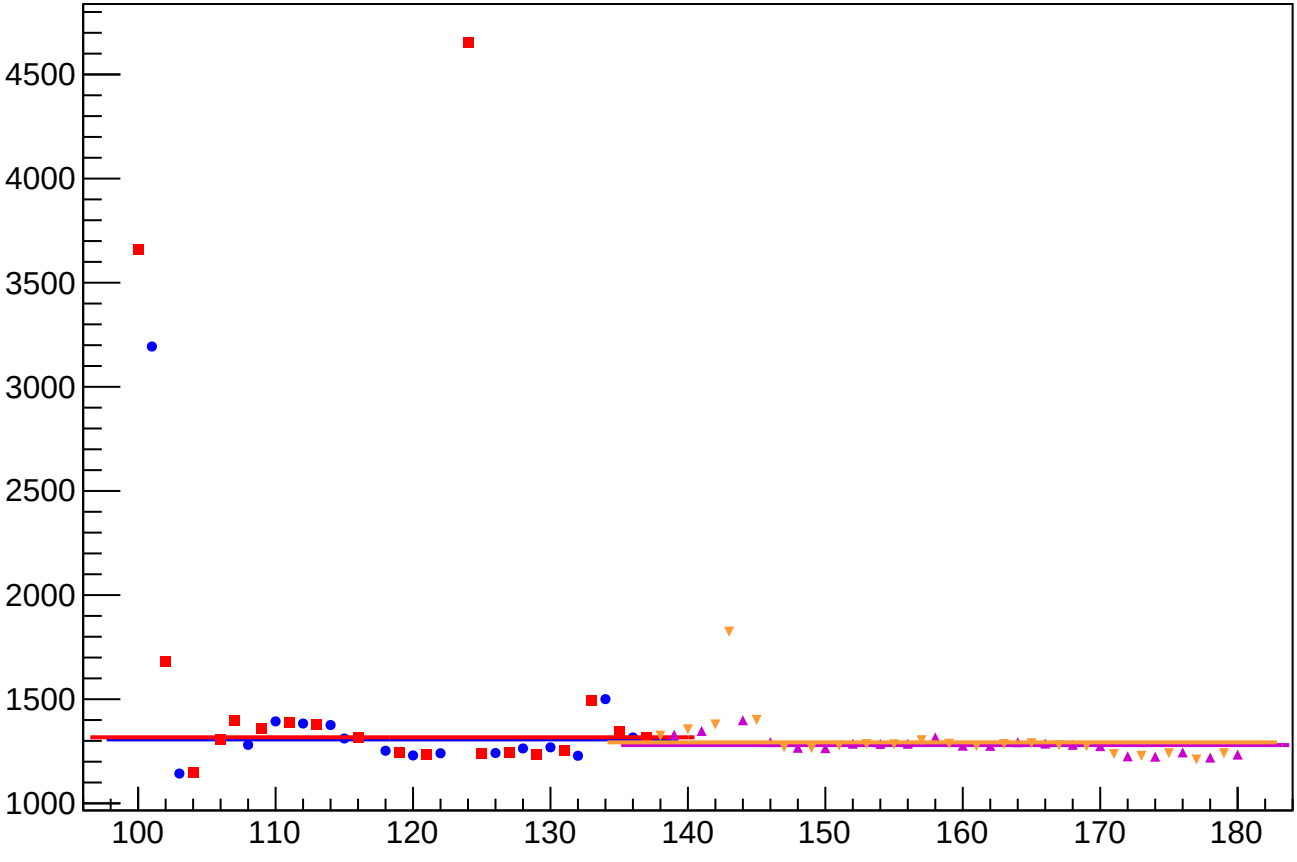
Left In: -2525.633+/-308.294 χ^2/NDF:22.0/20

+ sign 1731.205+/-262.766 χ^2/NDF: 40.8/37

All: -315.290+/-185.407 χ^2/NDF: 204.4/77

- 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: 1292.903+/-0.219 χ^2/NDF:179745.1/21

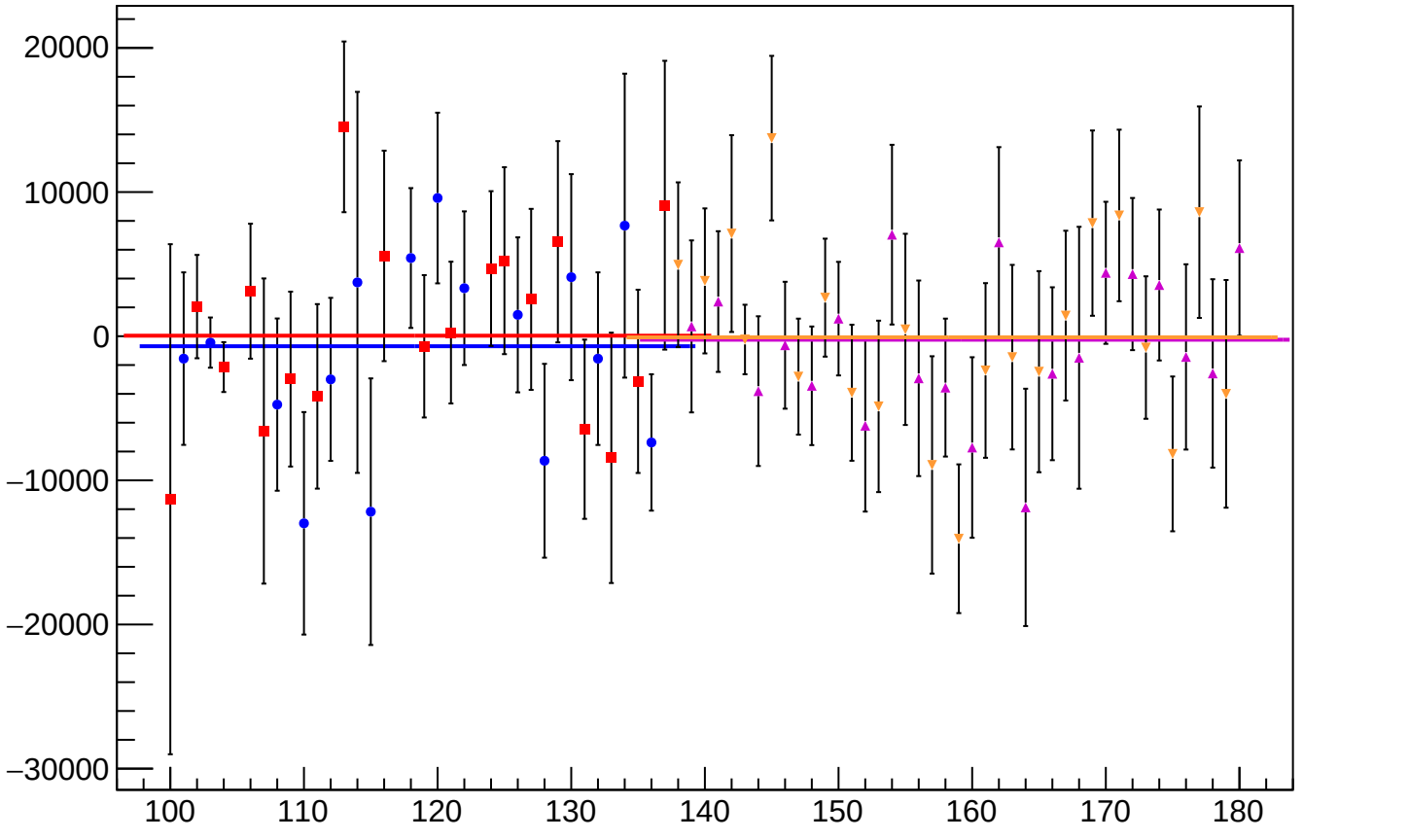
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1279.882+/-0.218 χ^2/NDF:36374.1/20

+ sign 1296.889+/-0.186 χ^2/NDF: 697170.9/37

All: 1293.593+/-0.131 χ^2/NDF: 1068285.9/77

- 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: -78.670+/-1097.223 χ^2/NDF:27.1/21

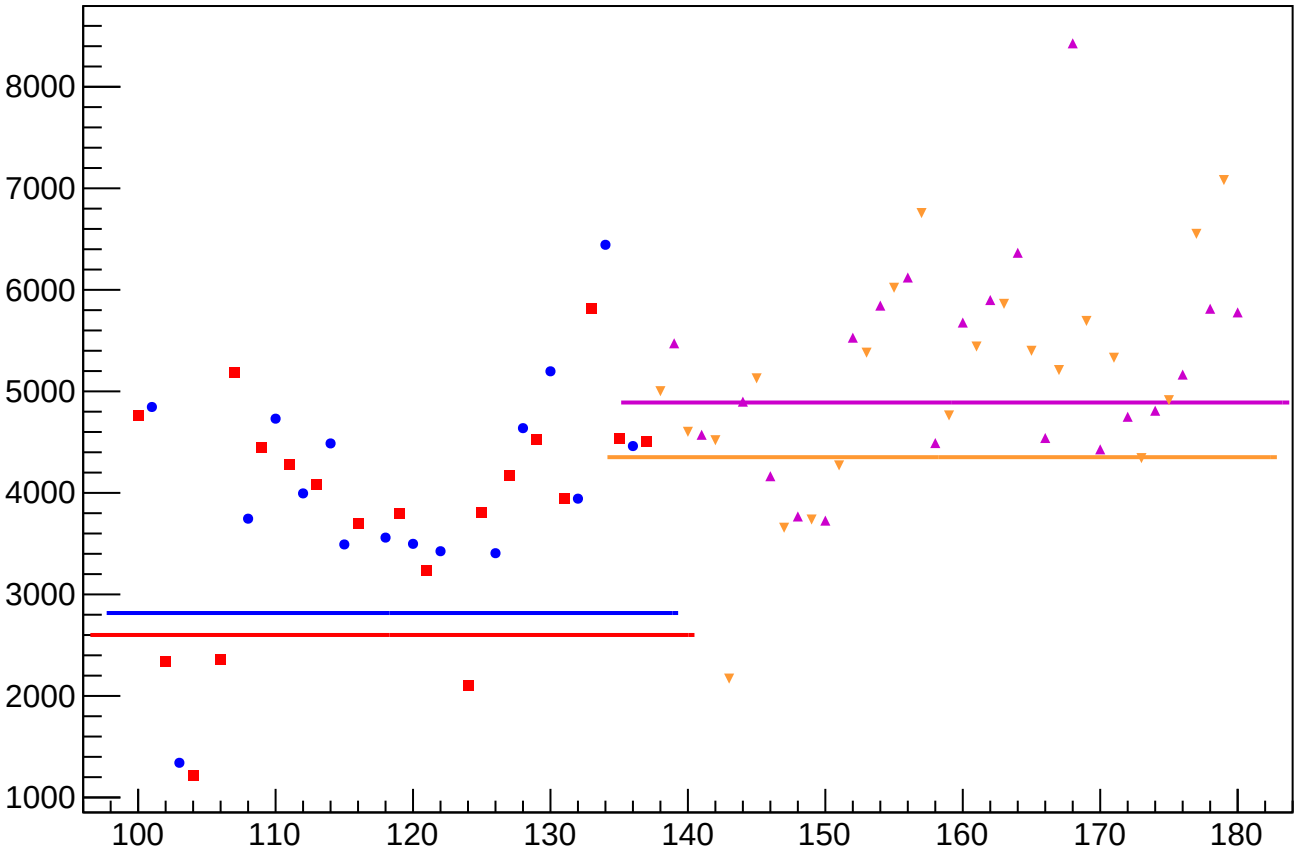
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -244.169+/-1201.349 χ^2/NDF:12.6/20

+ sign -363.945+/-804.292 χ^2/NDF: 42.0/37

All: -228.771+/-570.925 χ^2/NDF: 70.6/77

- 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: 4351.847+/-0.776 χ^2/NDF:3059659.1/21

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

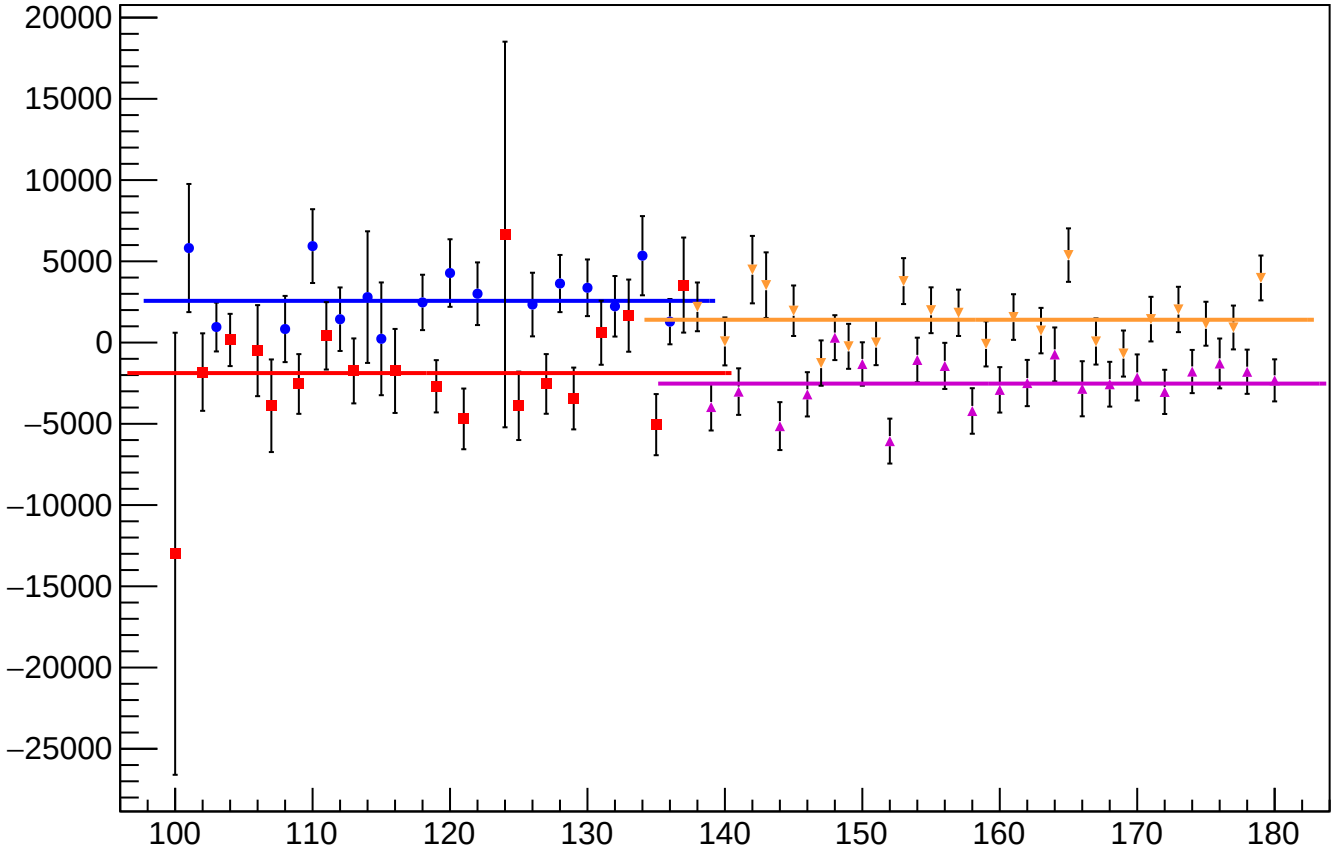
Left In: 4890.244+/-0.849 χ^2/NDF:1113240.7/20

+ sign 3641.614+/-0.569 χ^2/NDF: 7878434.1/37

All: 3642.246+/-0.404 χ^2/NDF: 16030342.3/7

- 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: 1403.880+/-309.969 χ^2/NDF:27.8/21

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

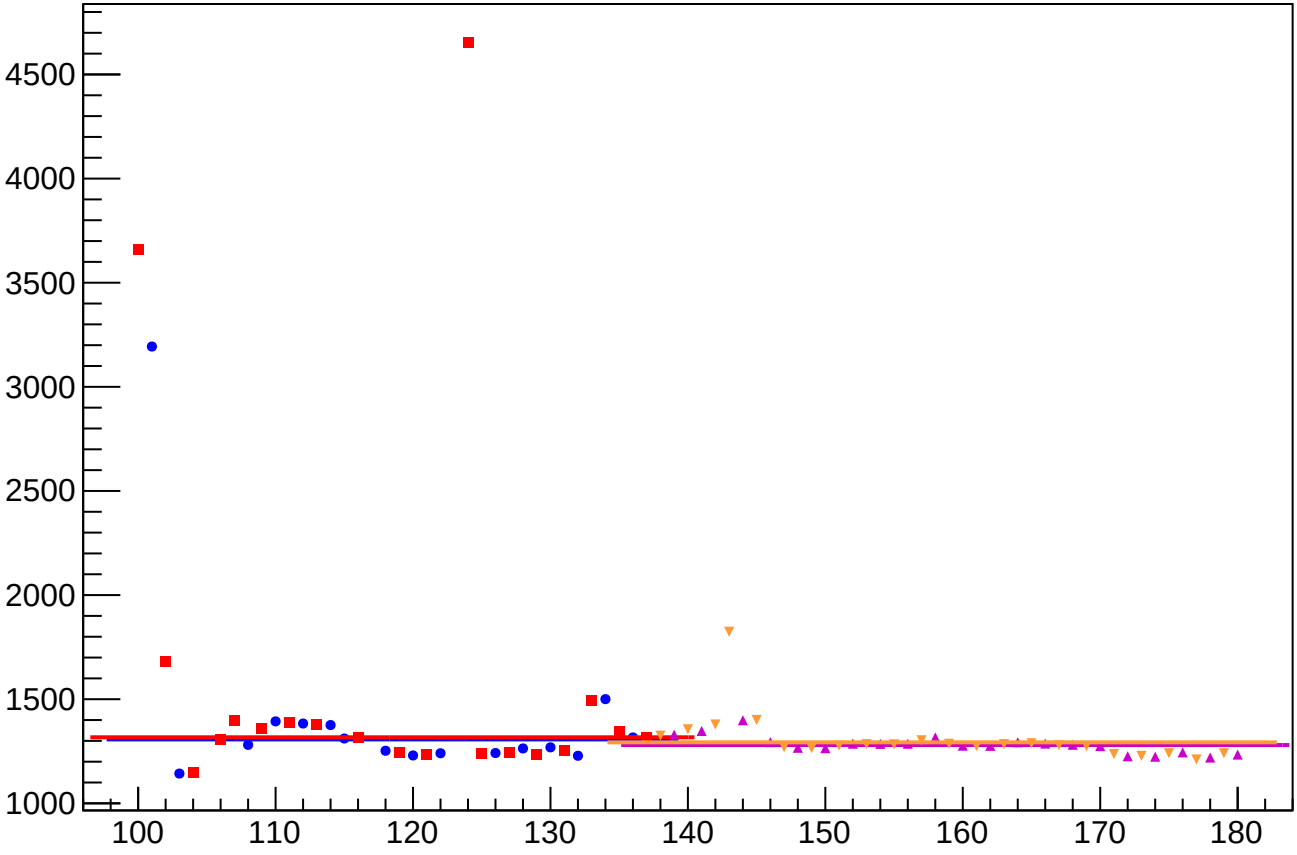
Left In: -2525.633+/-308.294 χ^2/NDF:22.0/20

+ sign 1731.205+/-262.766 χ^2/NDF: 40.8/37

All: -315.290+/-185.407 χ^2/NDF: 204.4/77

- 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: 1292.903+/-0.219 χ^2/NDF:179745.1/21

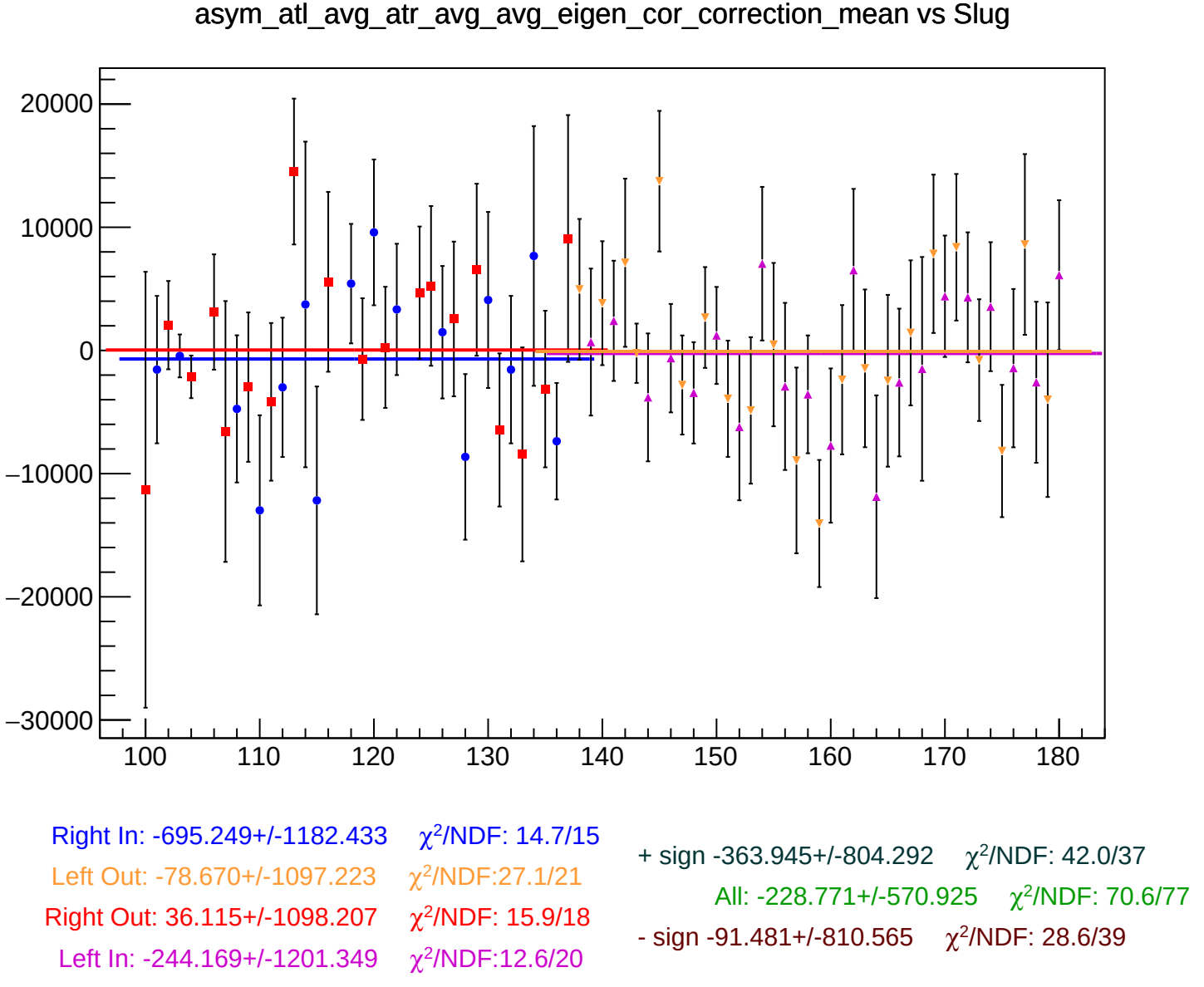
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

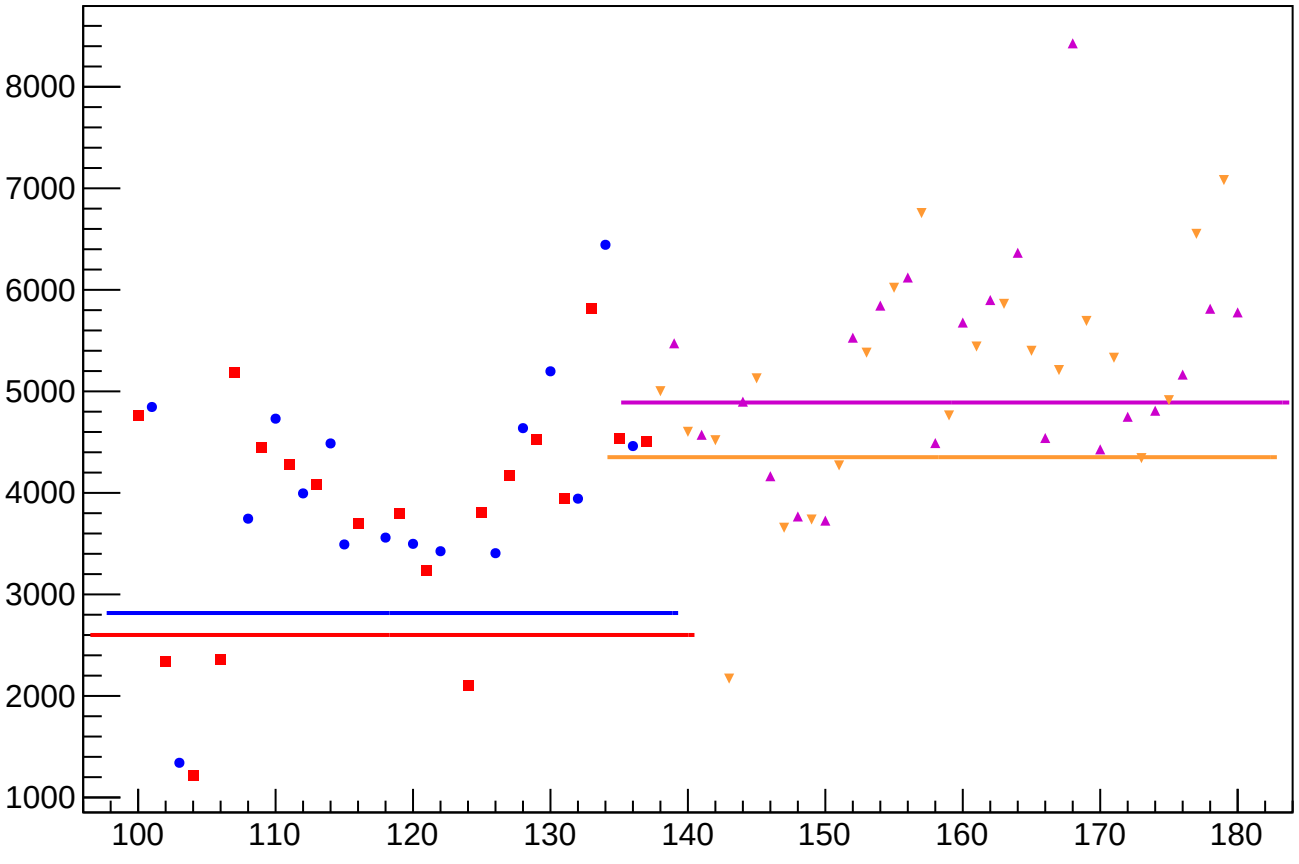
Left In: 1279.882+/-0.218 χ^2/NDF:36374.1/20

+ sign 1296.889+/-0.186 χ^2/NDF: 697170.9/37

All: 1293.593+/-0.131 χ^2/NDF: 1068285.9/77

- sign 1290.329+/-0.185 χ^2/NDF: 370488.8/39


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: -78.670+/-1097.223 χ²/NDF:27.1/21
Right Out: 36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: -244.169+/-1201.349 χ²/NDF:12.6/20
+ sign -363.945+/-804.292 χ²/NDF: 42.0/37
All: -228.771+/-570.925 χ²/NDF: 70.6/77
- sign -91.481+/-810.565 χ²/NDF: 28.6/39



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4351.847+/-0.776 χ^2/NDF:3059659.1/21

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

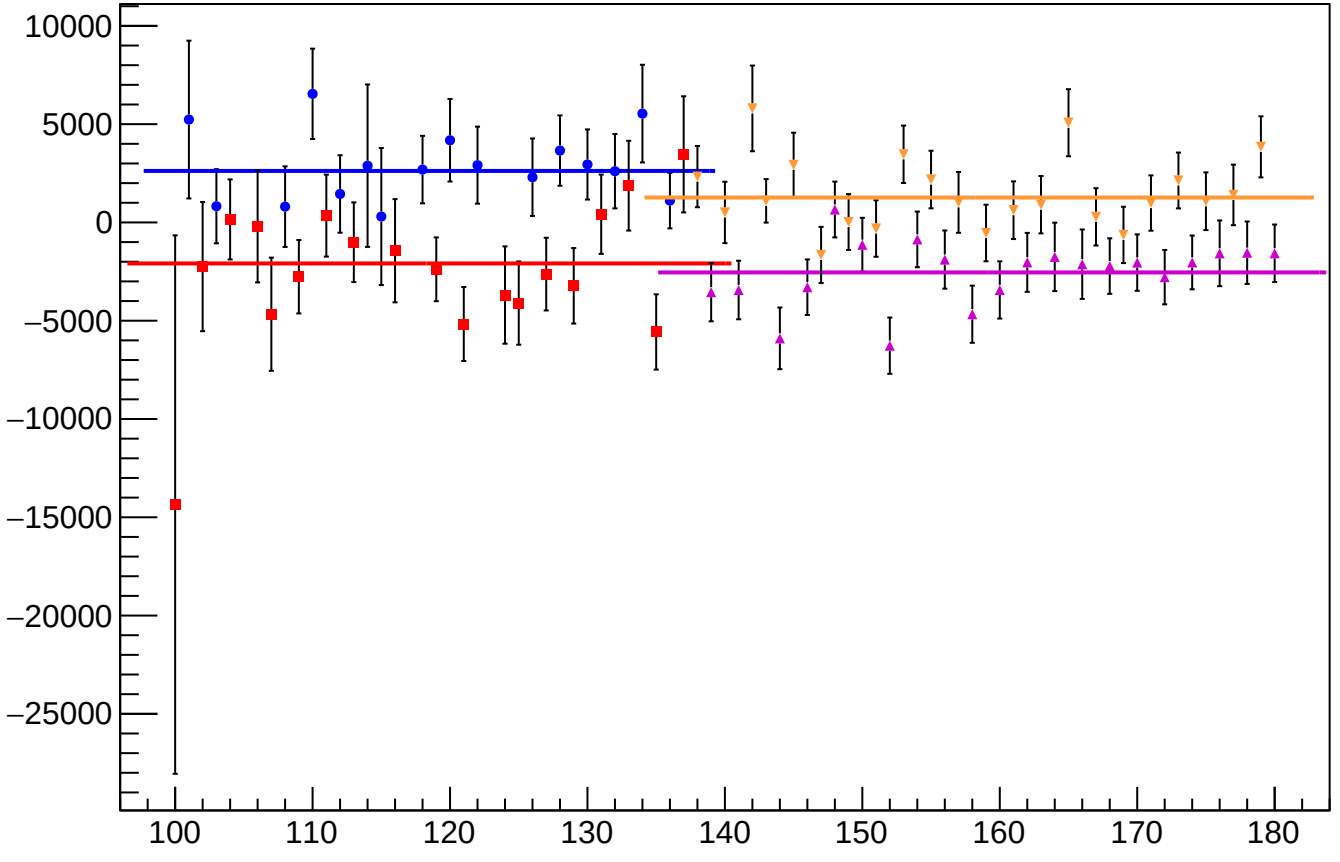
Left In: 4890.244+/-0.849 χ^2/NDF:1113240.7/20

+ sign 3641.614+/-0.569 χ^2/NDF: 7878434.1/37

All: 3642.246+/-0.404 χ^2/NDF: 16030342.3/7

- 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: 1268.331+/-315.299 χ^2/NDF:27.1/21

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

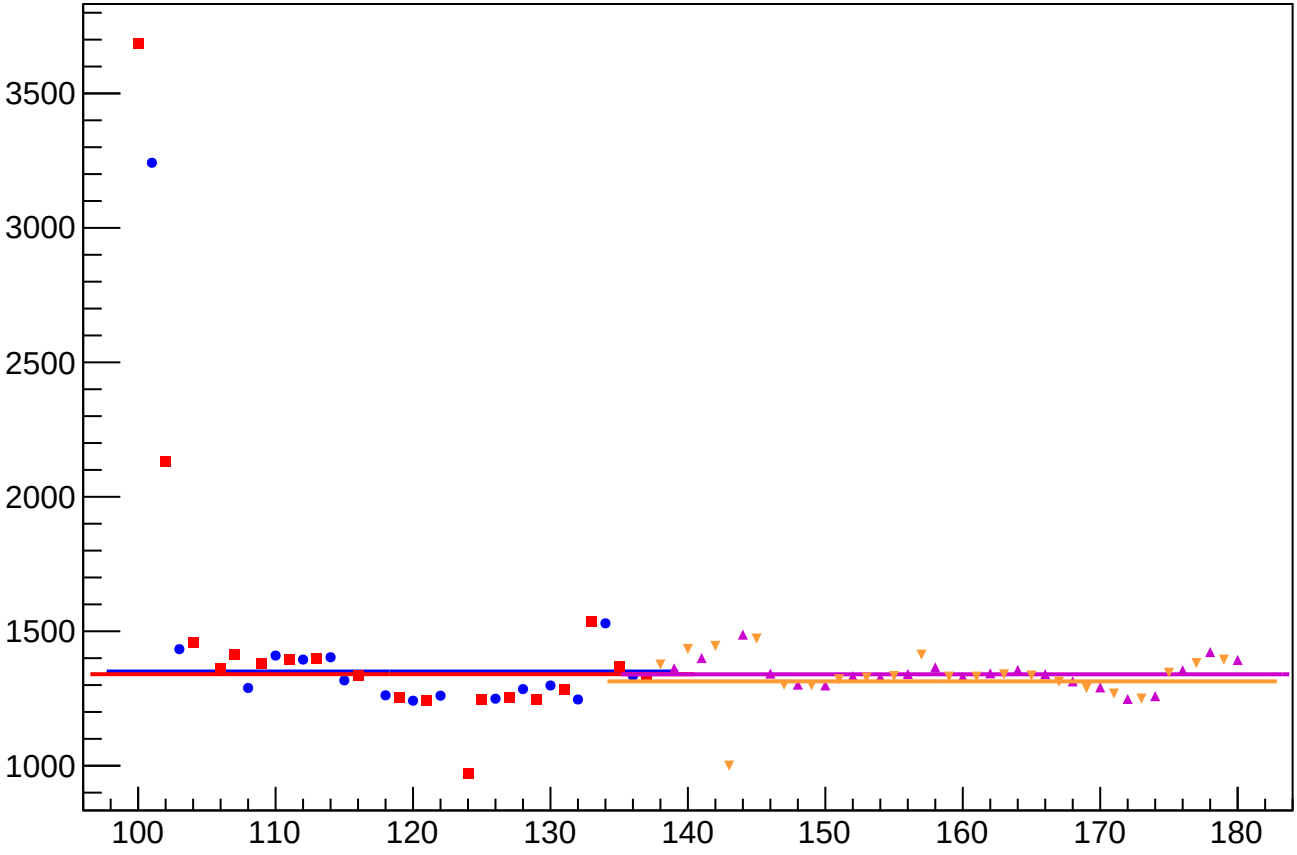
Left In: -2542.641+/-322.952 χ^2/NDF:24.6/20

+ sign 1640.649+/-268.405 χ^2/NDF: 41.5/37

All: -357.292+/-191.068 χ^2/NDF: 200.0/77

- 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: 1313.751+/-0.223 χ^2/NDF:229531.9/21

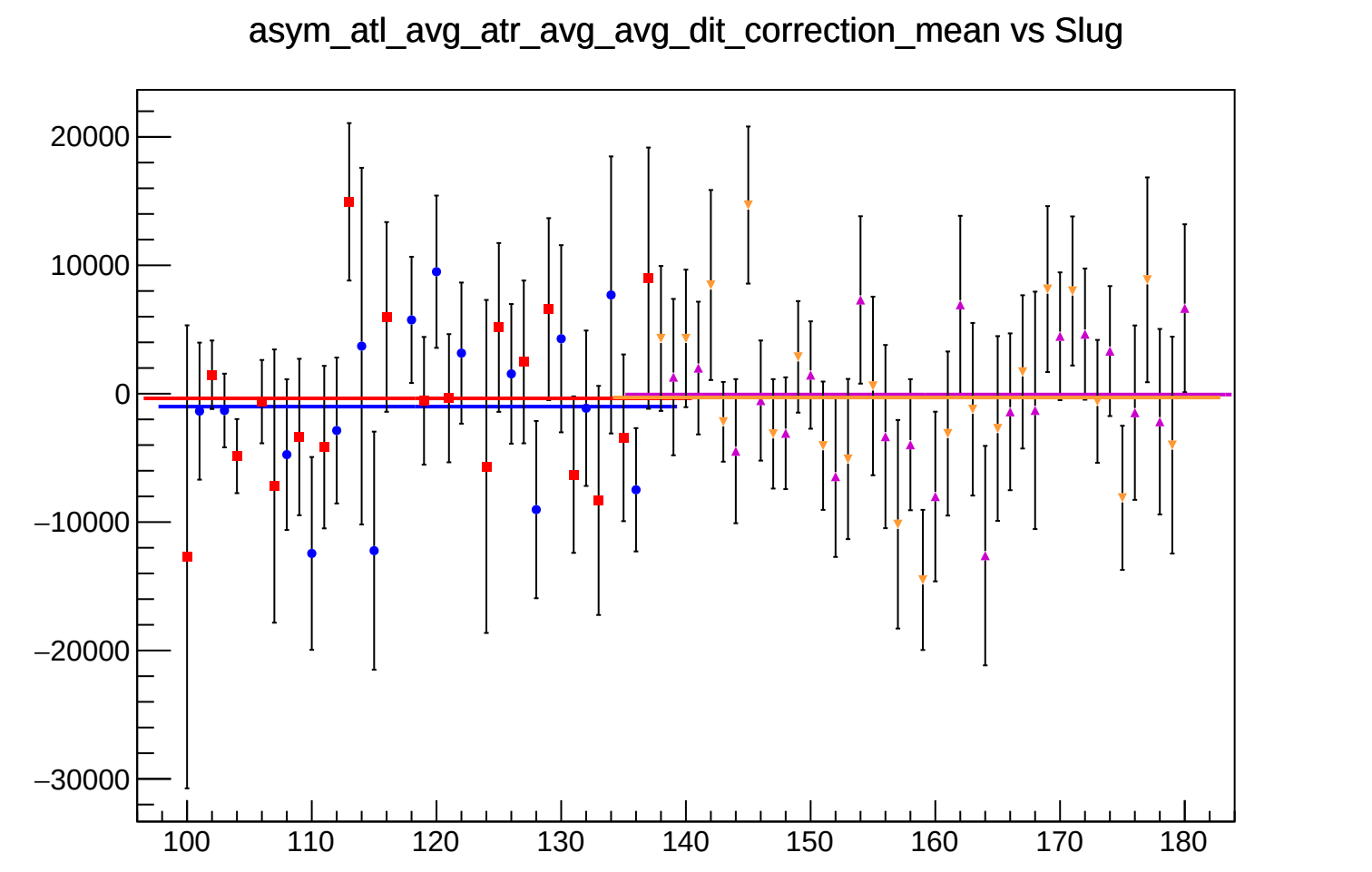
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1340.038+/-0.228 χ^2/NDF:52835.7/20

+ sign 1323.834+/-0.190 χ^2/NDF: 731010.3/37

All: 1331.884+/-0.135 χ^2/NDF: 1059677.4/77

- 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: -297.584+/-1186.125 χ^2/NDF:27.2/21

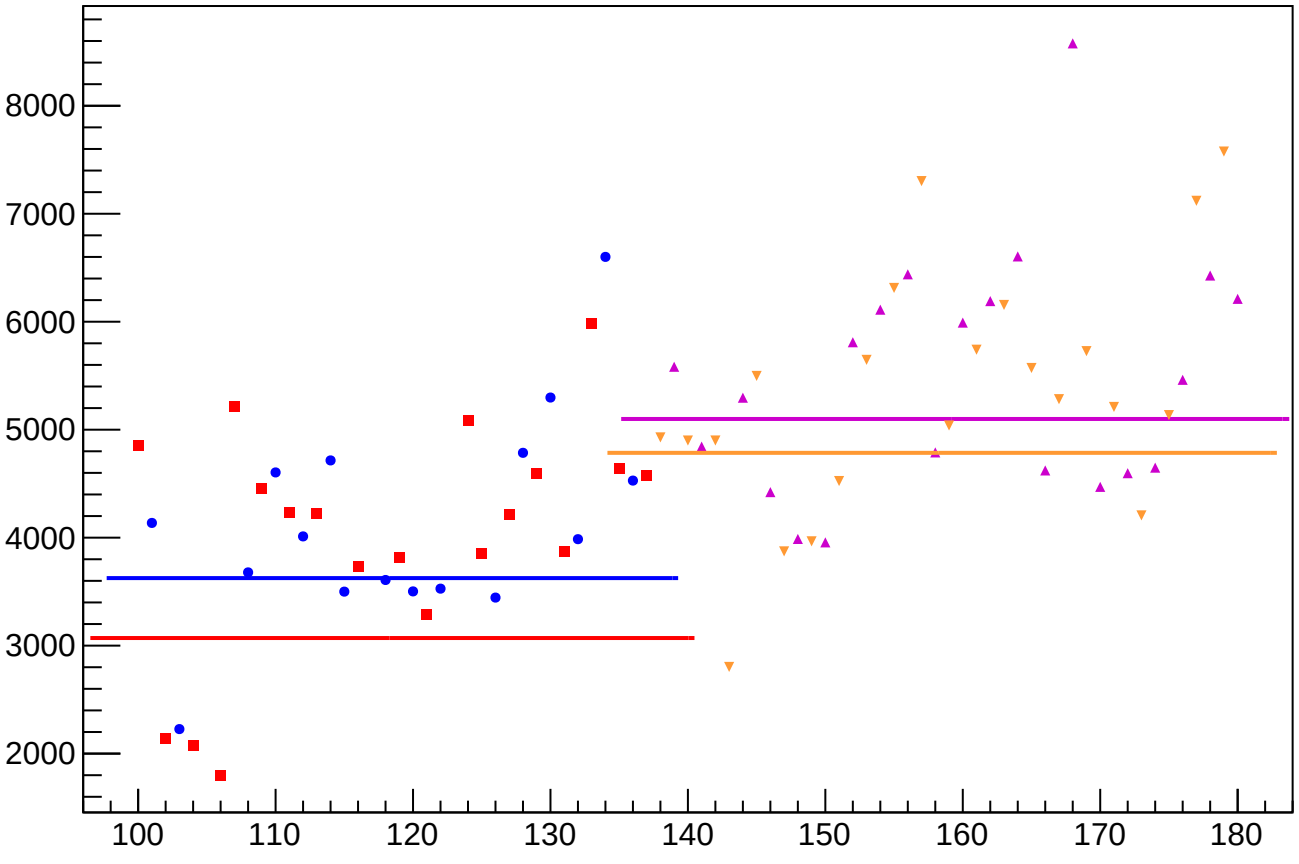
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -66.099+/-1253.142 χ^2/NDF:12.6/20

+ sign -592.821+/-906.191 χ^2/NDF: 42.0/37

All: -399.068+/-626.702 χ^2/NDF: 70.9/77

- 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: 4785.621+/-0.839 χ^2/NDF:1988941.1/21

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

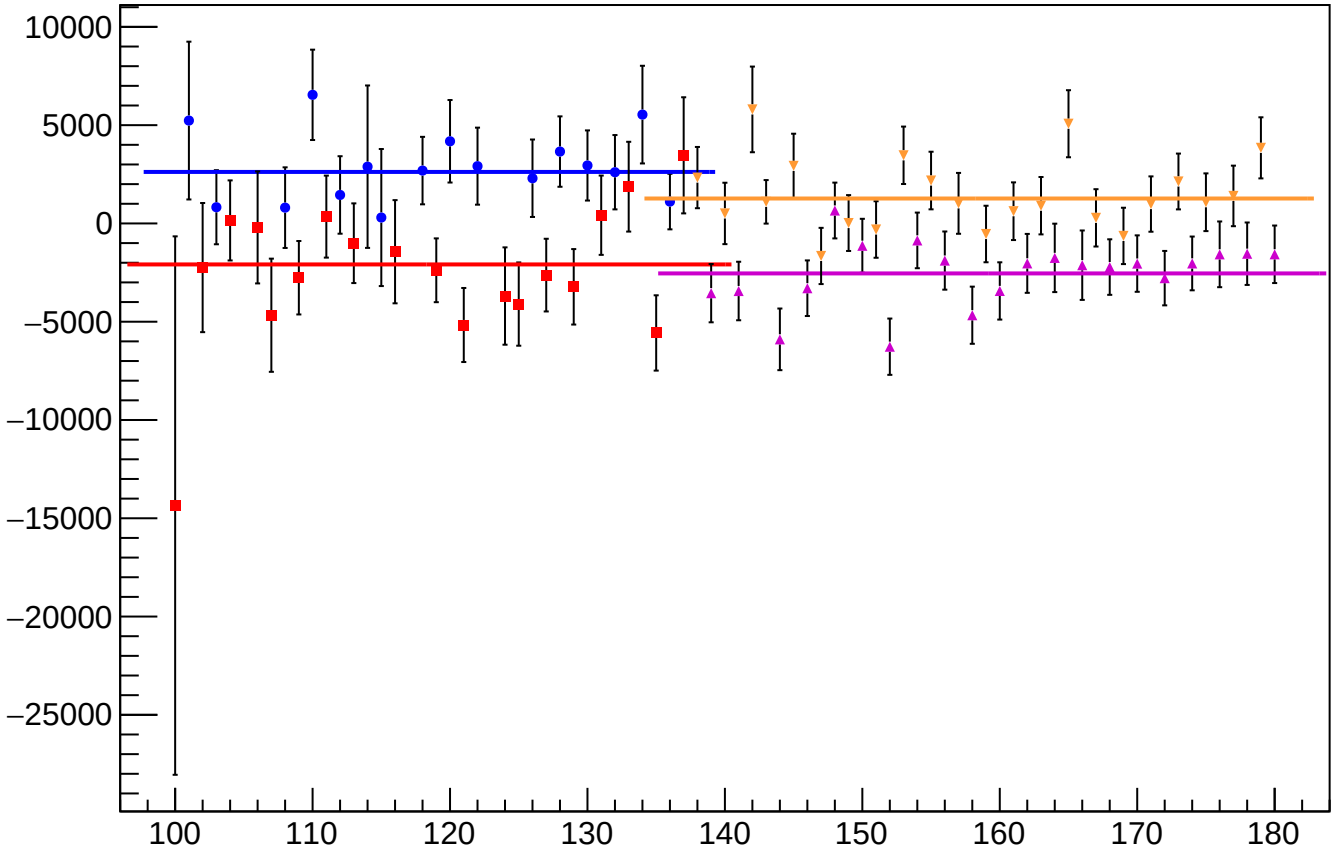
Left In: 5099.287+/-0.886 χ^2/NDF:1135232.9/20

+ sign 4302.650+/-0.641 χ^2/NDF: 3730351.4/37

All: 4167.207+/-0.443 χ^2/NDF: 9519131.7/77

- sign 4043.041+/-0.614 χ^2/NDF: 5703141.9/39

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1268.326+/-315.300 χ^2/NDF:27.1/21

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

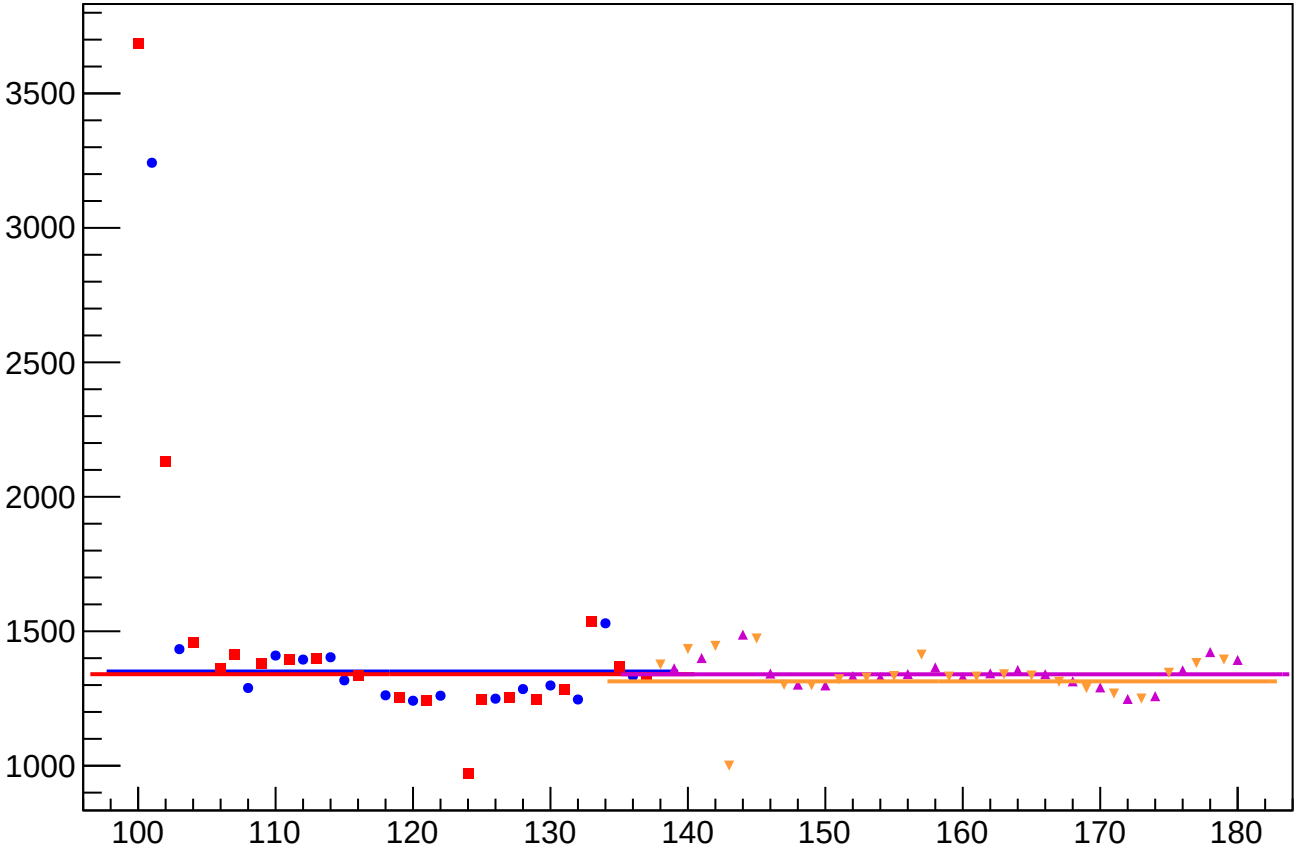
Left In: -2542.642+/-322.952 χ^2/NDF:24.6/20

+ sign 1640.646+/-268.405 χ^2/NDF: 41.5/37

All: -357.294+/-191.068 χ^2/NDF: 200.0/77

- 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: 1313.753+/-0.223 χ^2/NDF:229534.6/21

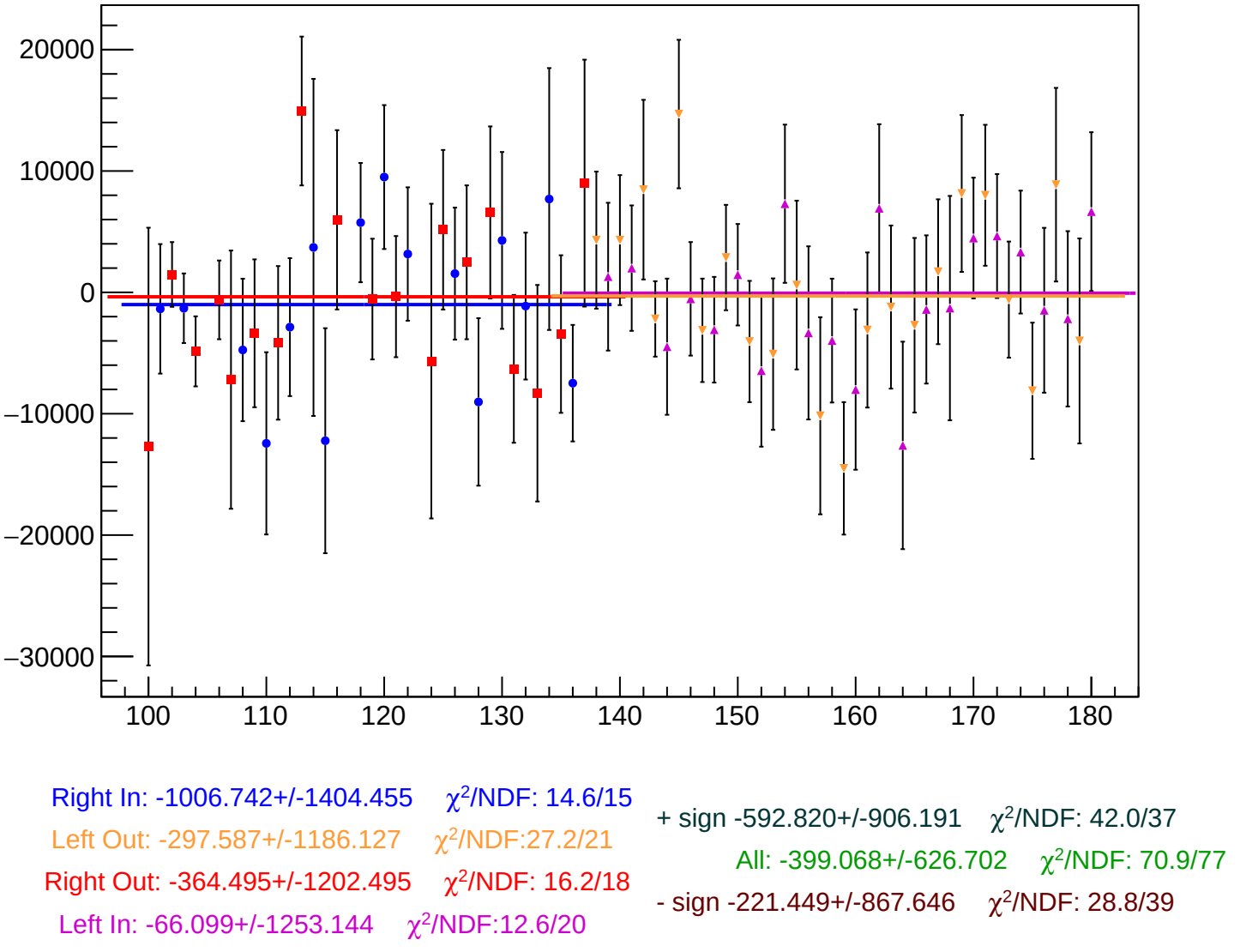
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

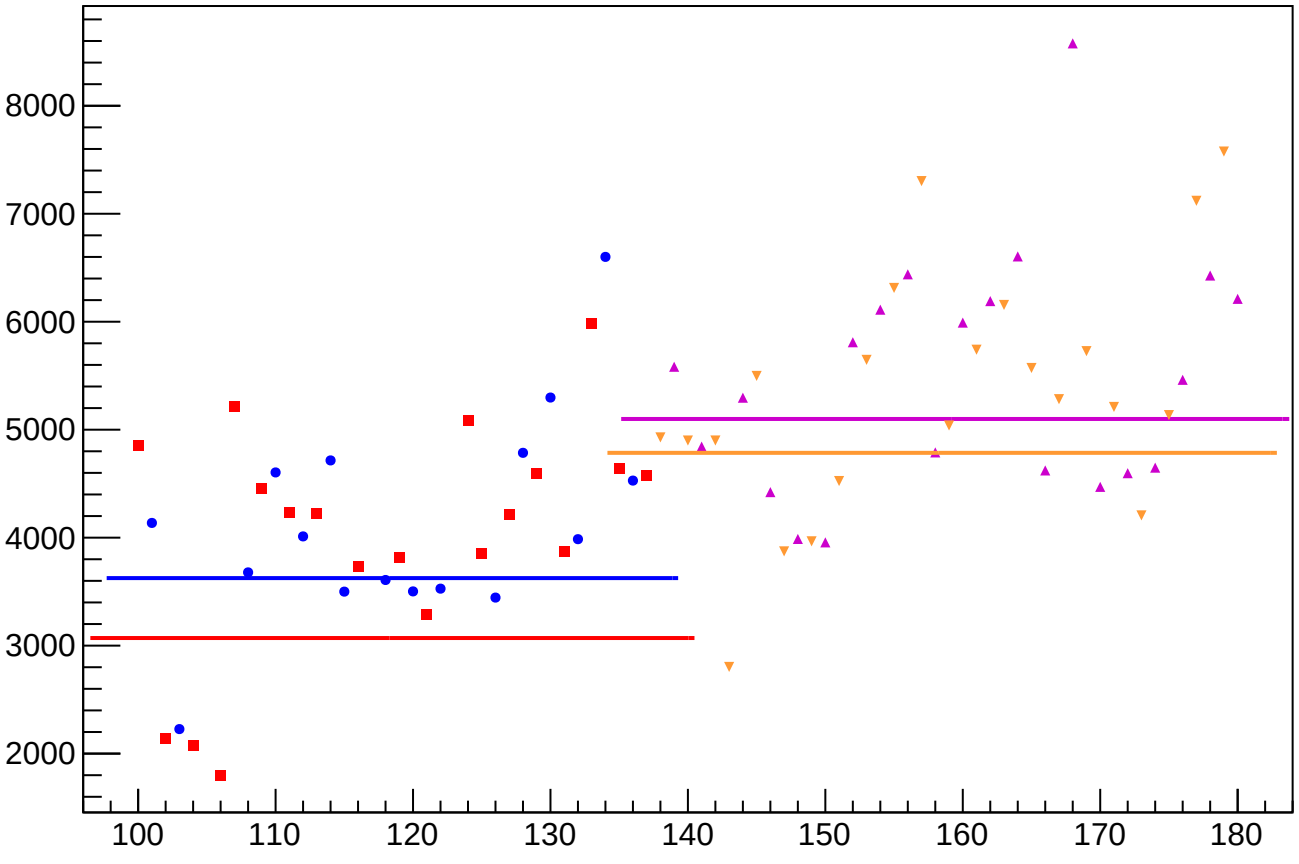
Left In: 1340.040+/-0.228 χ^2/NDF:52838.2/20

+ sign 1323.835+/-0.190 χ^2/NDF: 731012.4/37

All: 1331.885+/-0.135 χ^2/NDF: 1059681.0/77

- sign 1340.153+/-0.192 χ^2/NDF: 325021.6/39


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -297.587+/-1186.127 χ²/NDF:27.2/21
Right Out: -364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: -66.099+/-1253.144 χ²/NDF:12.6/20
+ sign -592.820+/-906.191 χ²/NDF: 42.0/37
All: -399.068+/-626.702 χ²/NDF: 70.9/77
- sign -221.449+/-867.646 χ²/NDF: 28.8/39



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4785.629+/-0.839 χ^2/NDF:1988942.8/21

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

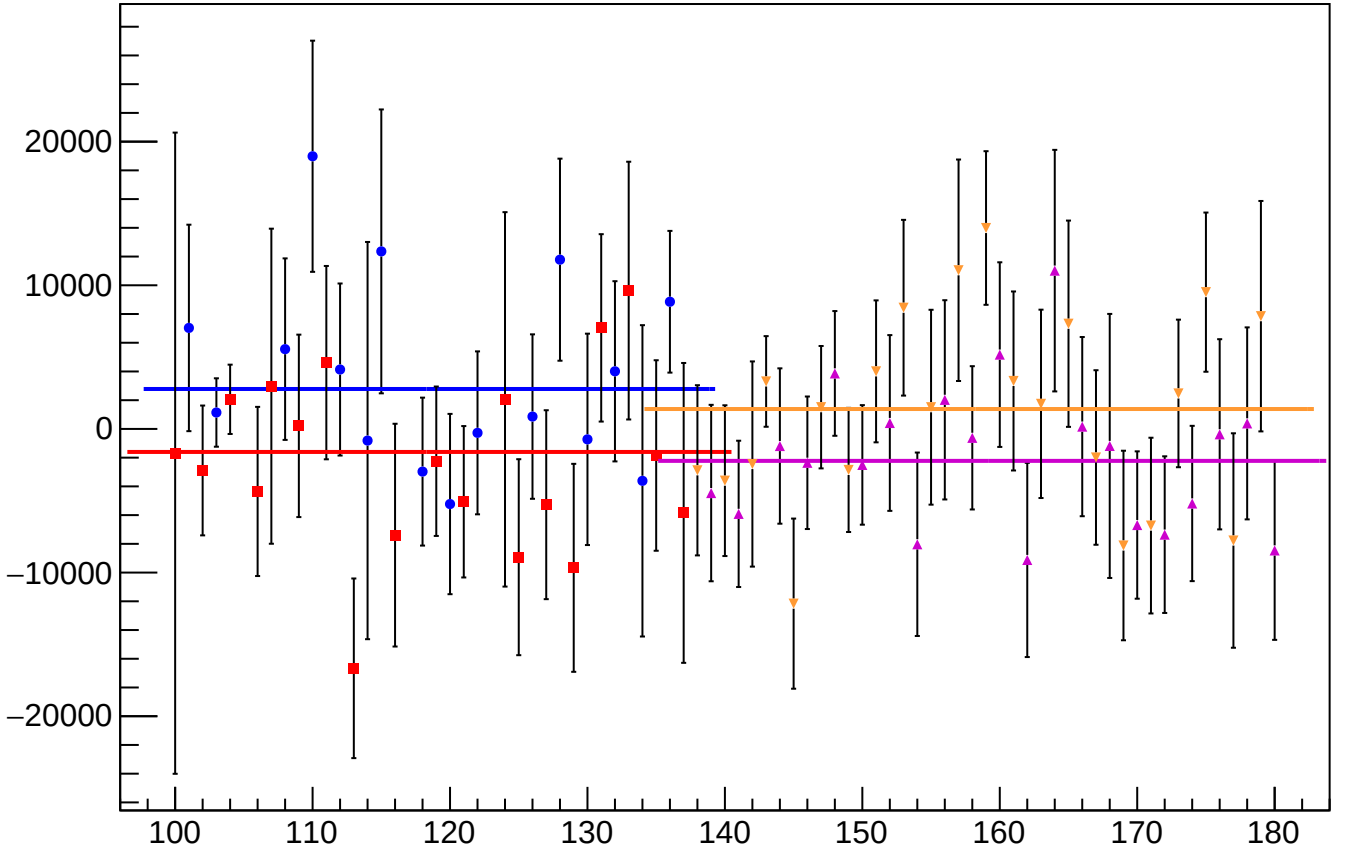
Left In: 5099.295+/-0.886 χ^2/NDF:1135236.0/20

+ sign 4302.649+/-0.641 χ^2/NDF: 3730379.5/37

All: 4167.203+/-0.443 χ^2/NDF: 9519215.0/77

- 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: 1386.063+/-1184.777 χ^2/NDF:26.3/21

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

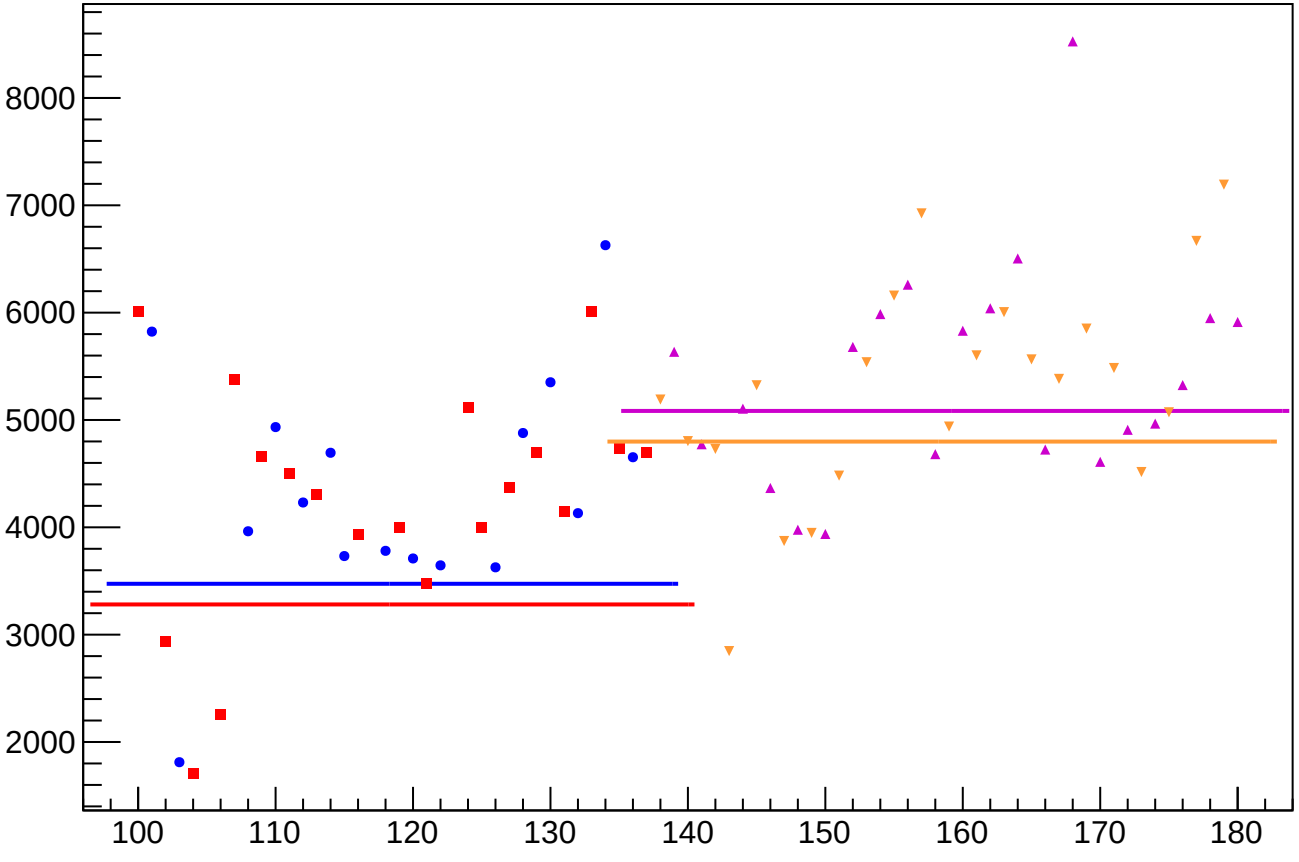
Left In: -2223.929+/-1246.139 χ^2/NDF:12.3/20

+ sign 1973.273+/-901.525 χ^2/NDF: 40.1/37

All: 40.776+/-641.003 χ^2/NDF: 78.6/77

- sign -1935.109+/-911.590 χ^2/NDF: 29.3/39

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4798.827+/-0.838 χ^2/NDF:1766290.1/21

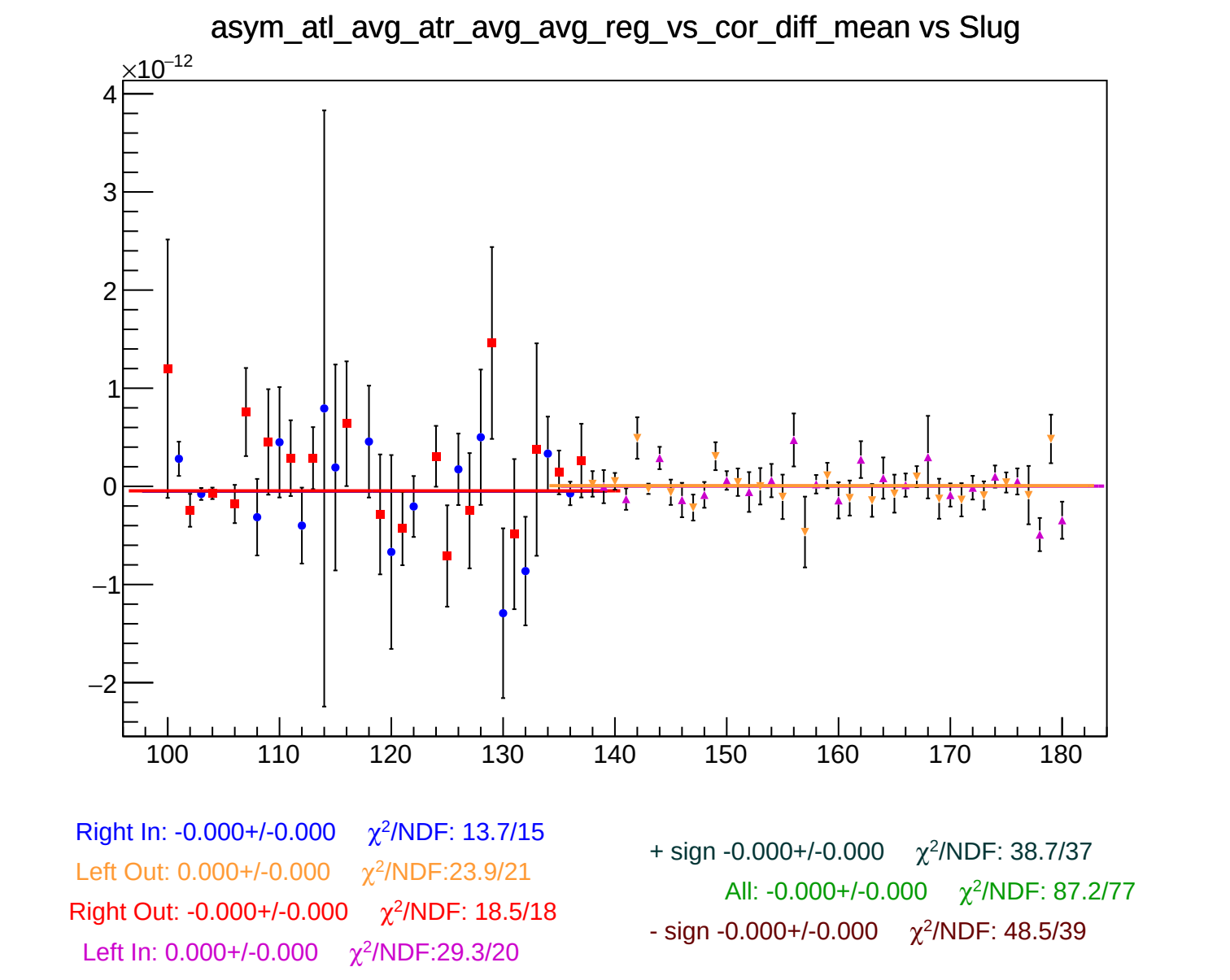
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

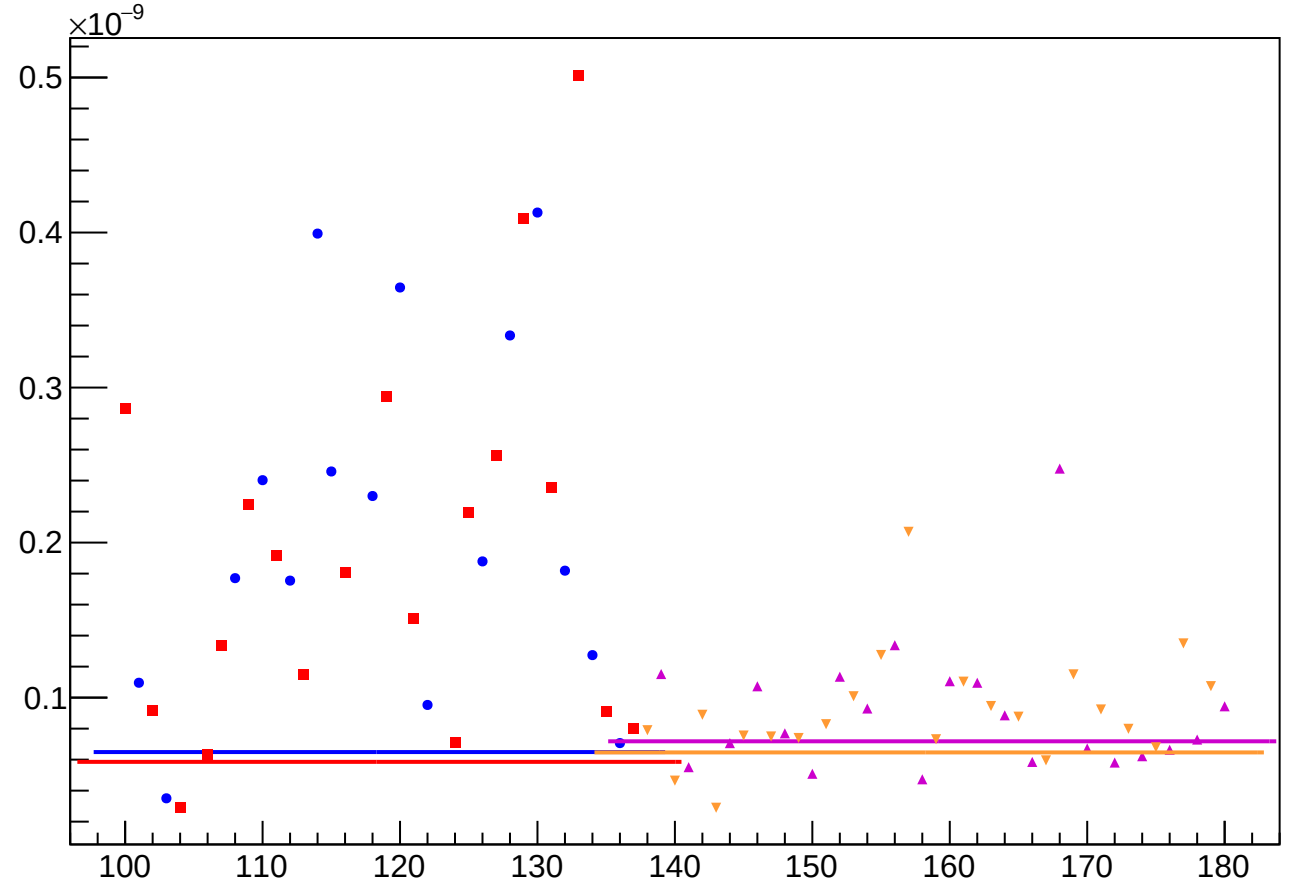
Left In: 5084.315+/-0.881 χ^2/NDF:986348.1/20

\+ sign 4241.034+/-0.637 χ^2/NDF: 4663241.0/37

All: 4237.479+/-0.452 χ^2/NDF: 9499792.7/77

\- sign 4233.891+/-0.640 χ^2/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:23.9/21
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: 38.7/37
All: -0.000+/-0.000 χ²/NDF: 87.2/77
- 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:2272442.1/21

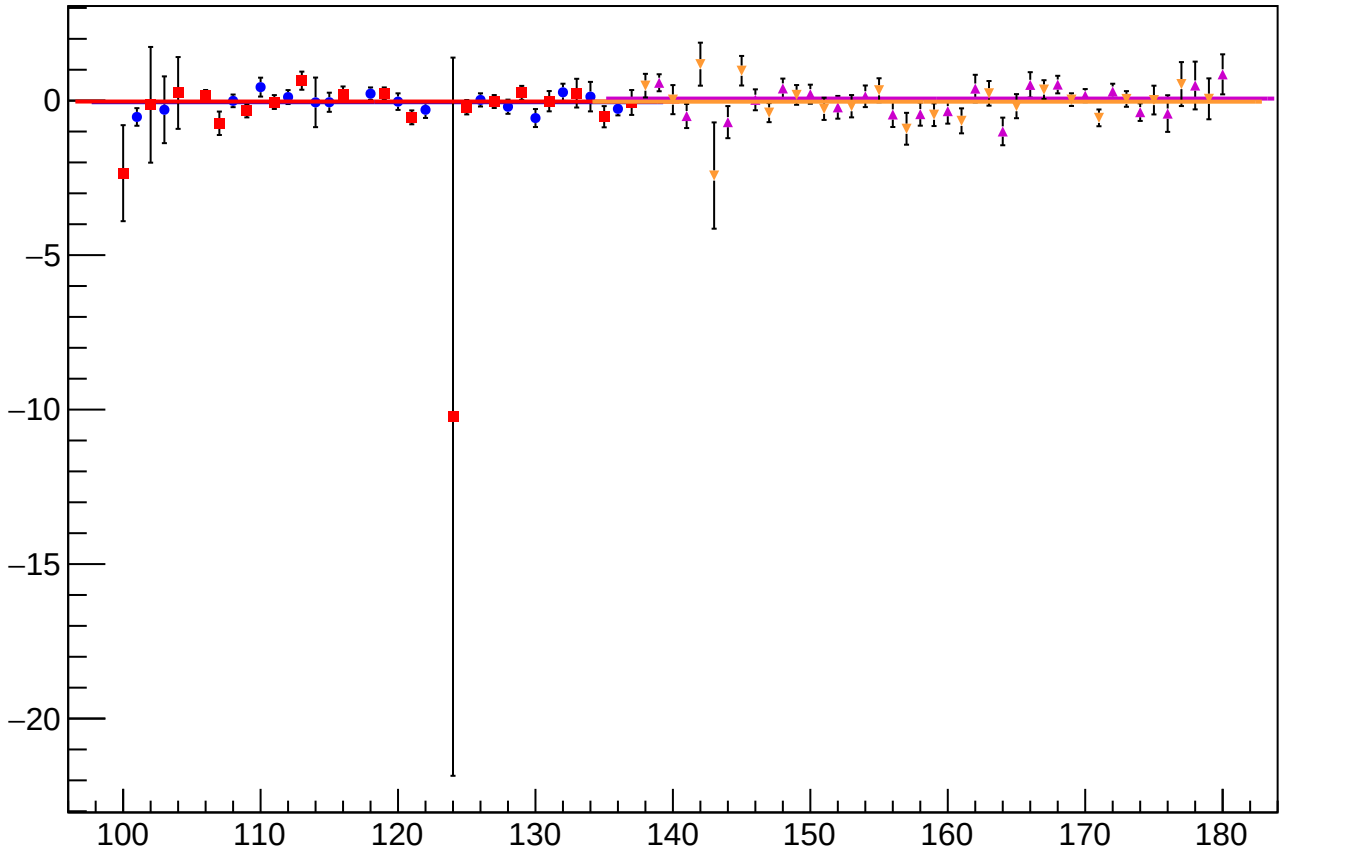
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1349130.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 4865389.5/37

All: 0.000+/-0.000 χ^2/NDF: 9196999.4/77

- 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: -0.034+/-0.078 χ^2/NDF:27.9/21

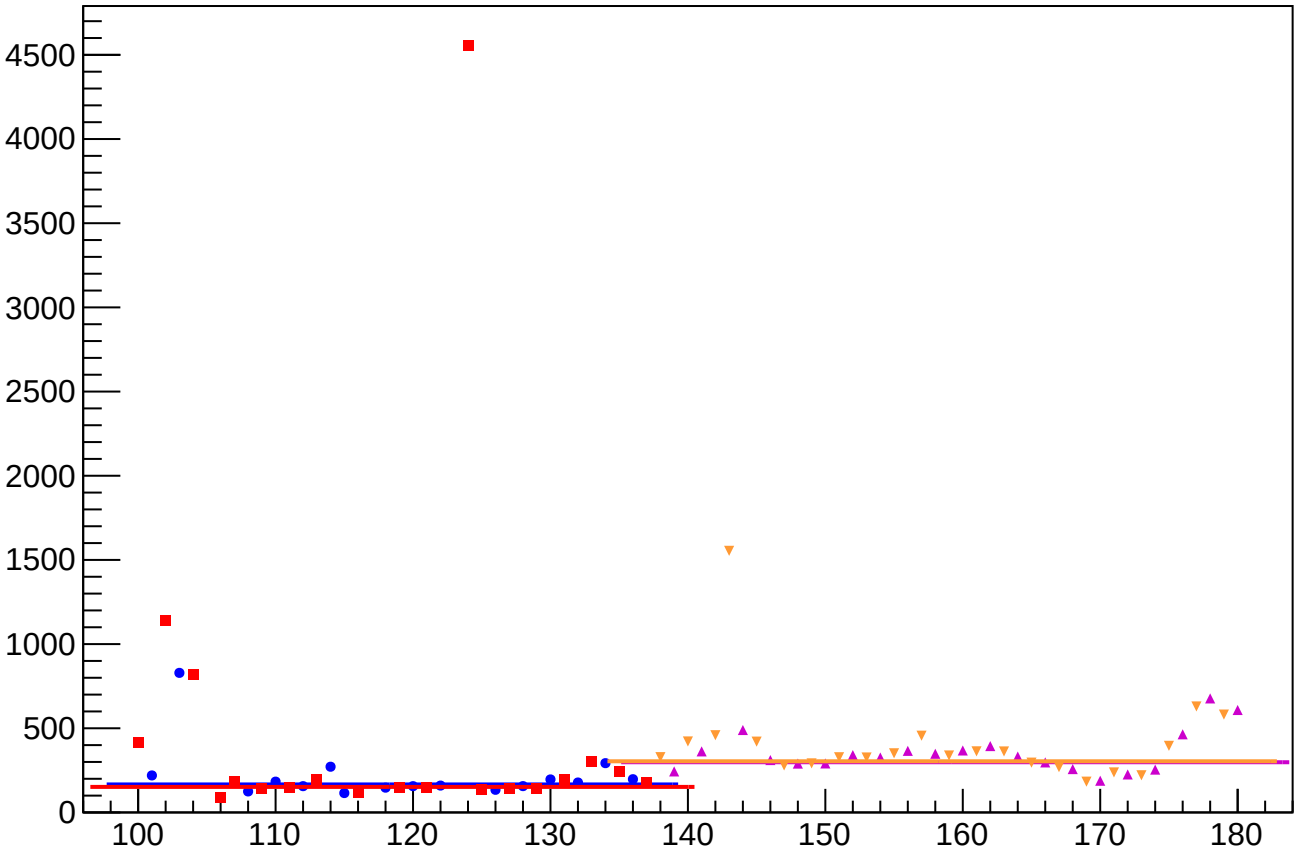
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.066+/-0.076 χ^2/NDF:29.8/20

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/37

All: -0.016+/-0.035 χ^2/NDF: 101.7/77

- 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: 303.956+/-0.055 χ^2/NDF:3651448.9/21

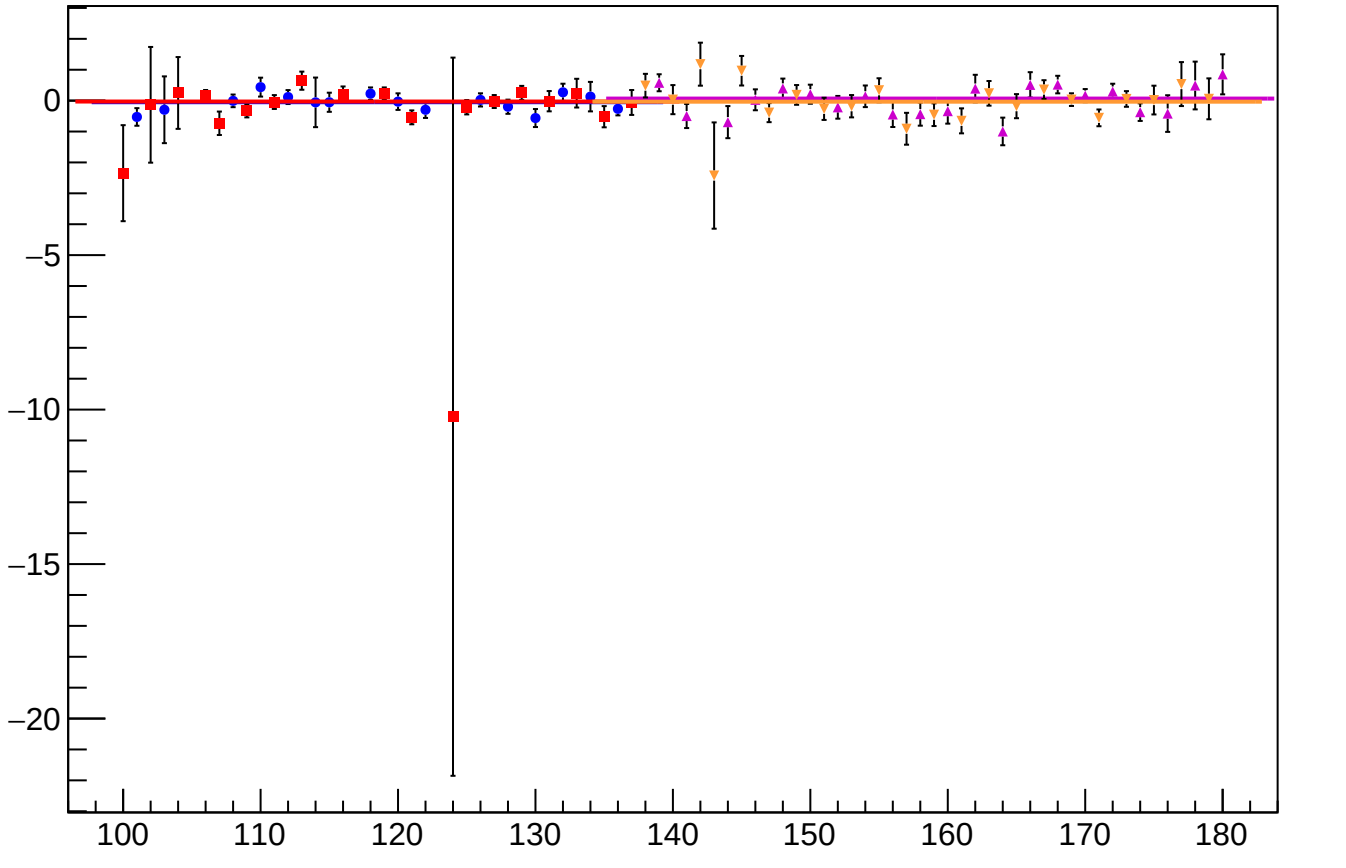
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 298.286+/-0.054 χ^2/NDF:2586936.0/20

\+ sign 224.279+/-0.036 χ^2/NDF: 8513836.1/37

All: 218.193+/-0.025 χ^2/NDF: 17813480.8/77

\- 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: -0.034+/-0.078 χ^2/NDF:27.9/21

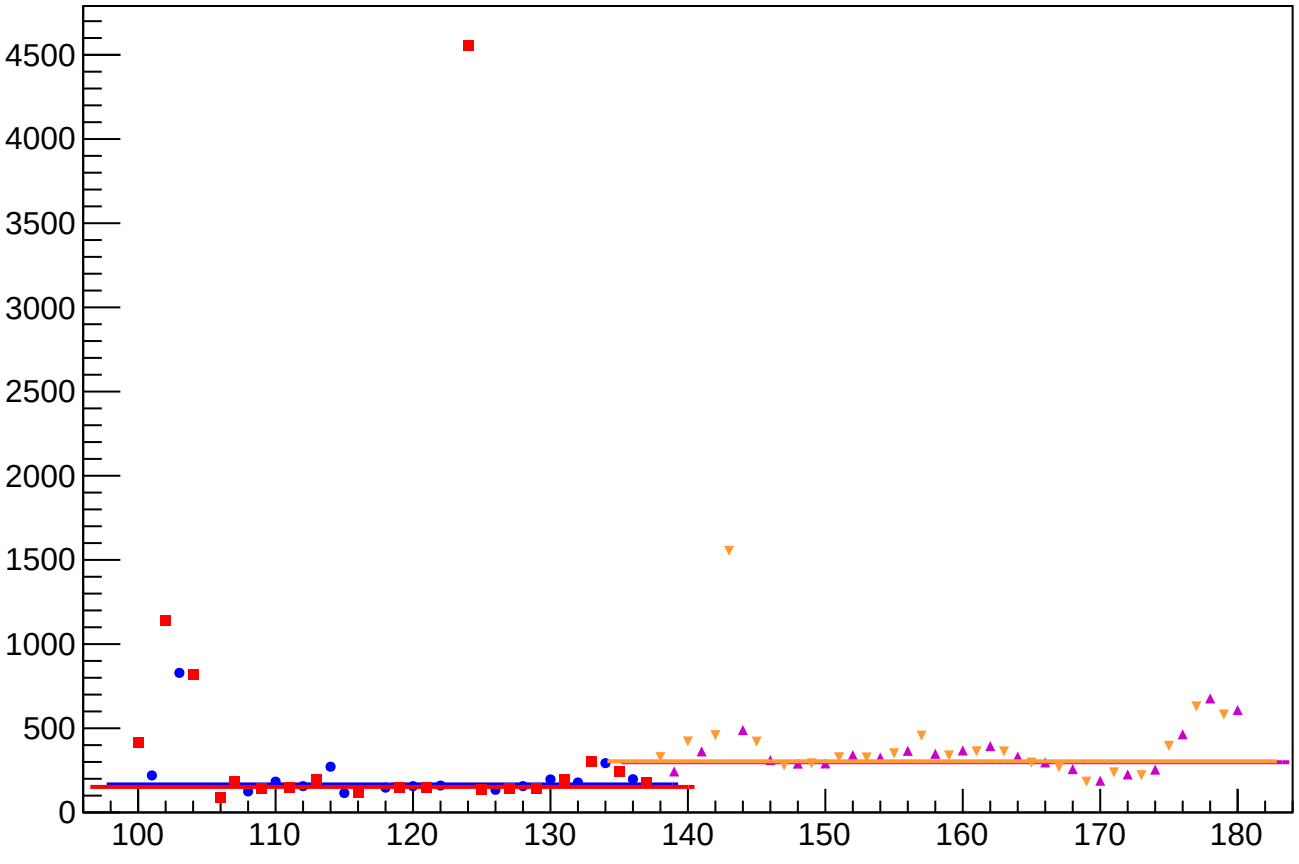
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.066+/-0.076 χ^2/NDF:29.8/20

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/37

All: -0.016+/-0.035 χ^2/NDF: 101.7/77

- 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: 303.956+/-0.055 χ^2/NDF:3651448.9/21

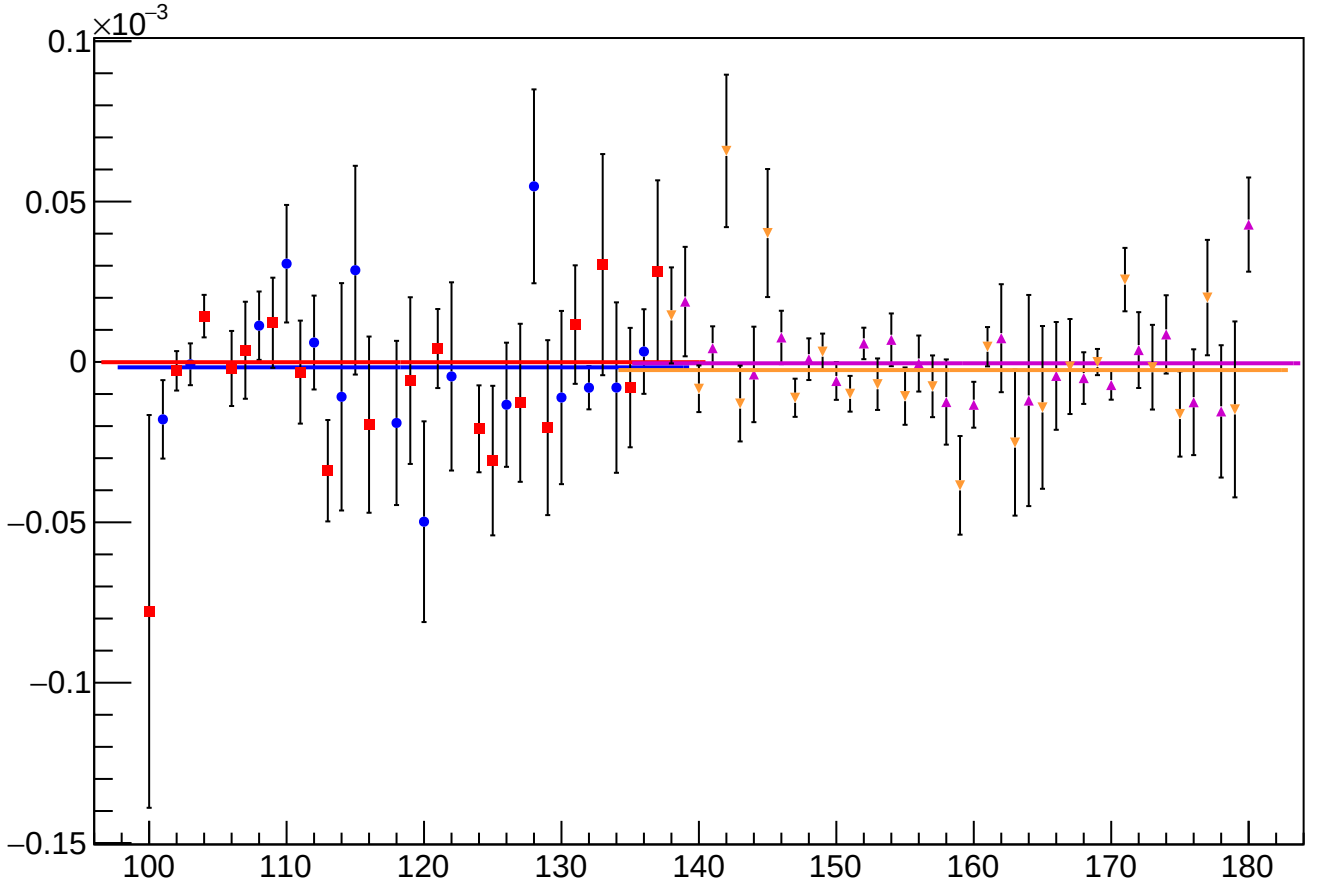
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 298.286+/-0.054 χ^2/NDF:2586936.0/20

+ sign 224.279+/-0.036 χ^2/NDF: 8513836.1/37

All: 218.193+/-0.025 χ^2/NDF: 17813480.8/77

- 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:41.3/21

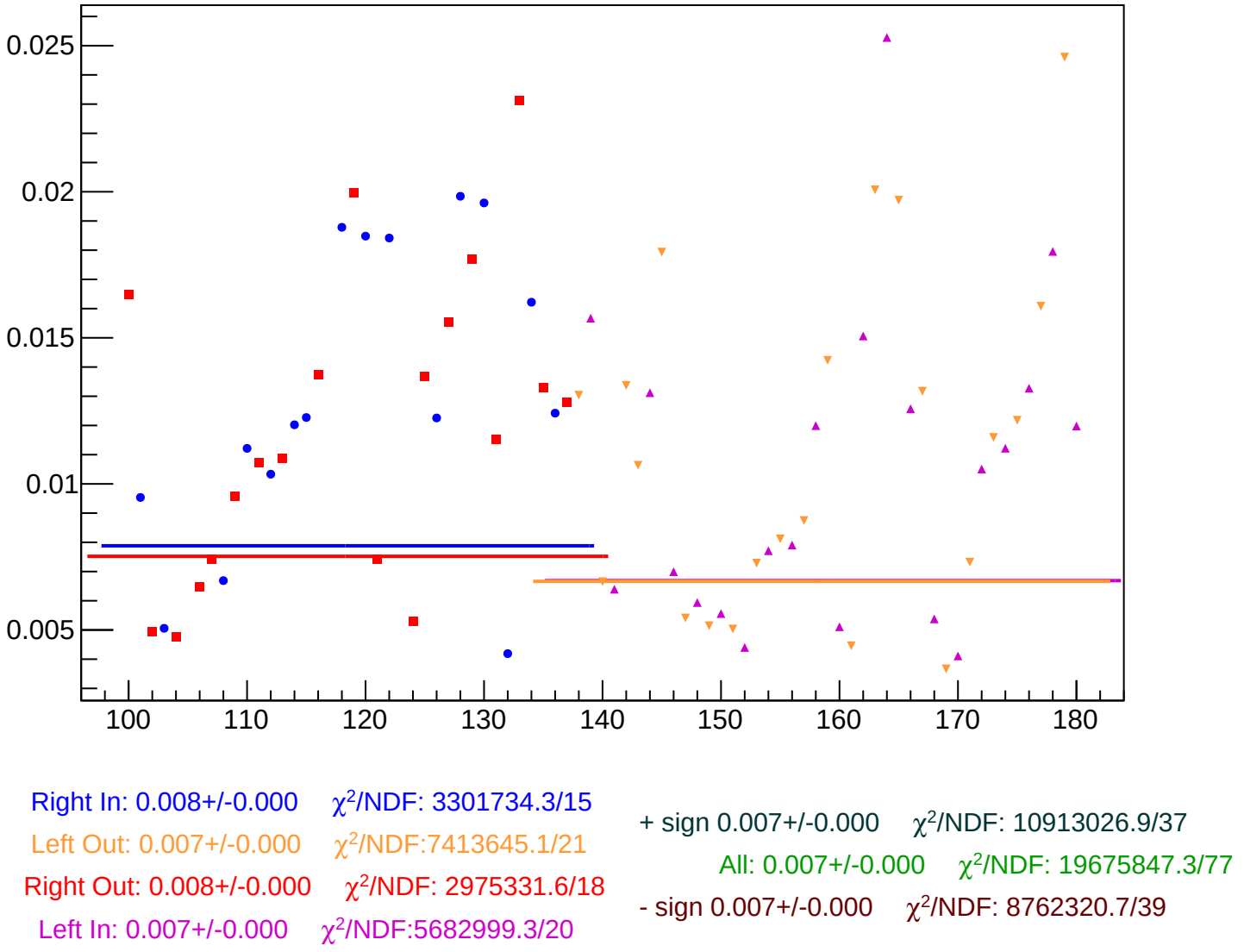
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

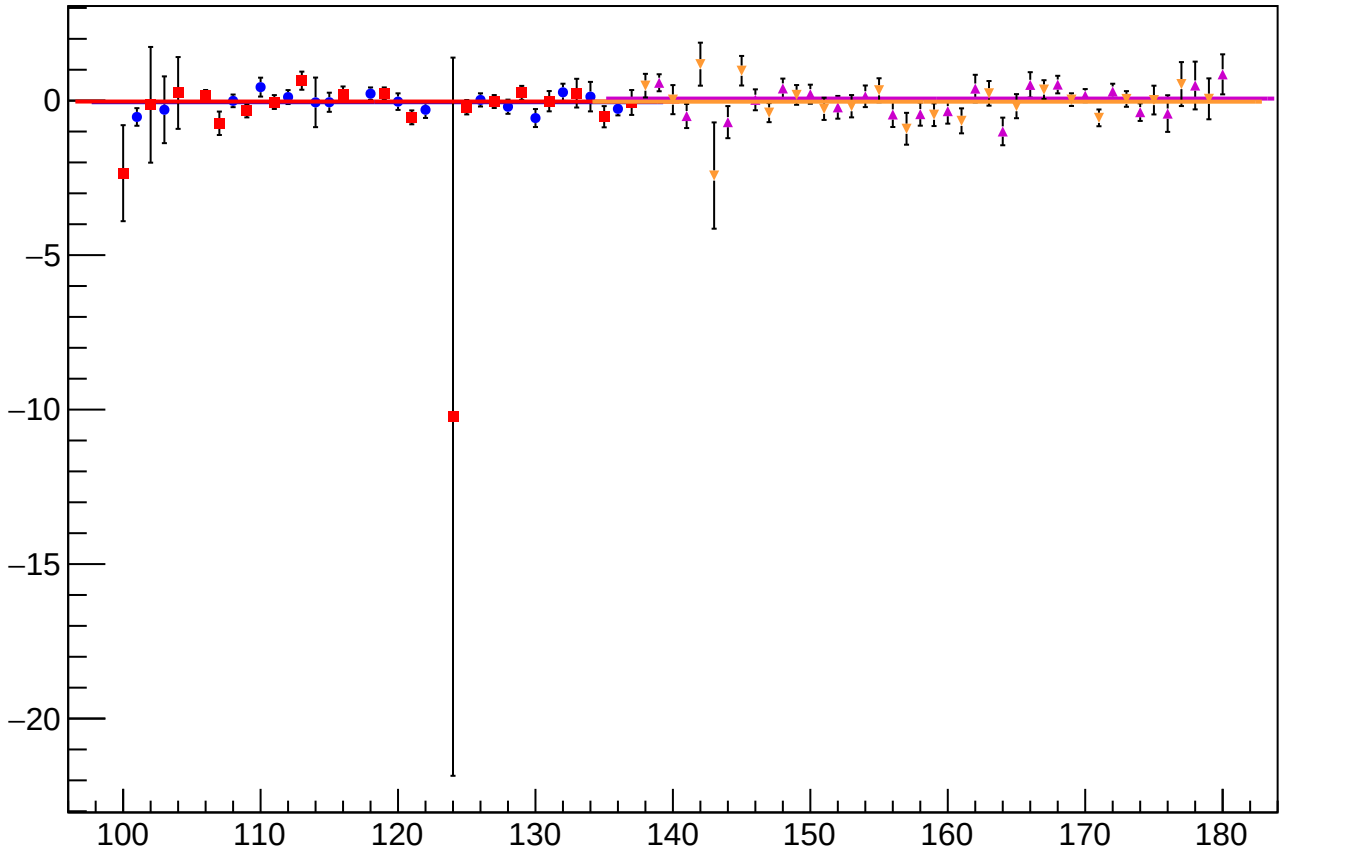
Left In: -0.000+/-0.000 χ^2/NDF:23.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 56.8/37

All: -0.000+/-0.000 χ^2/NDF: 101.0/77

- sign -0.000+/-0.000 χ^2/NDF: 43.4/39


asym_atl_avg_atr_avg_avg_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: 3301734.3/15
Left Out: 0.007+/-0.000 χ²/NDF:7413645.1/21
Right Out: 0.008+/-0.000 χ²/NDF: 2975331.6/18
Left In: 0.007+/-0.000 χ²/NDF:5682999.3/20
+ sign 0.007+/-0.000 χ²/NDF: 10913026.9/37
All: 0.007+/-0.000 χ²/NDF: 19675847.3/77
- sign 0.007+/-0.000 χ²/NDF: 8762320.7/39



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.034+/-0.078 χ^2/NDF:27.9/21

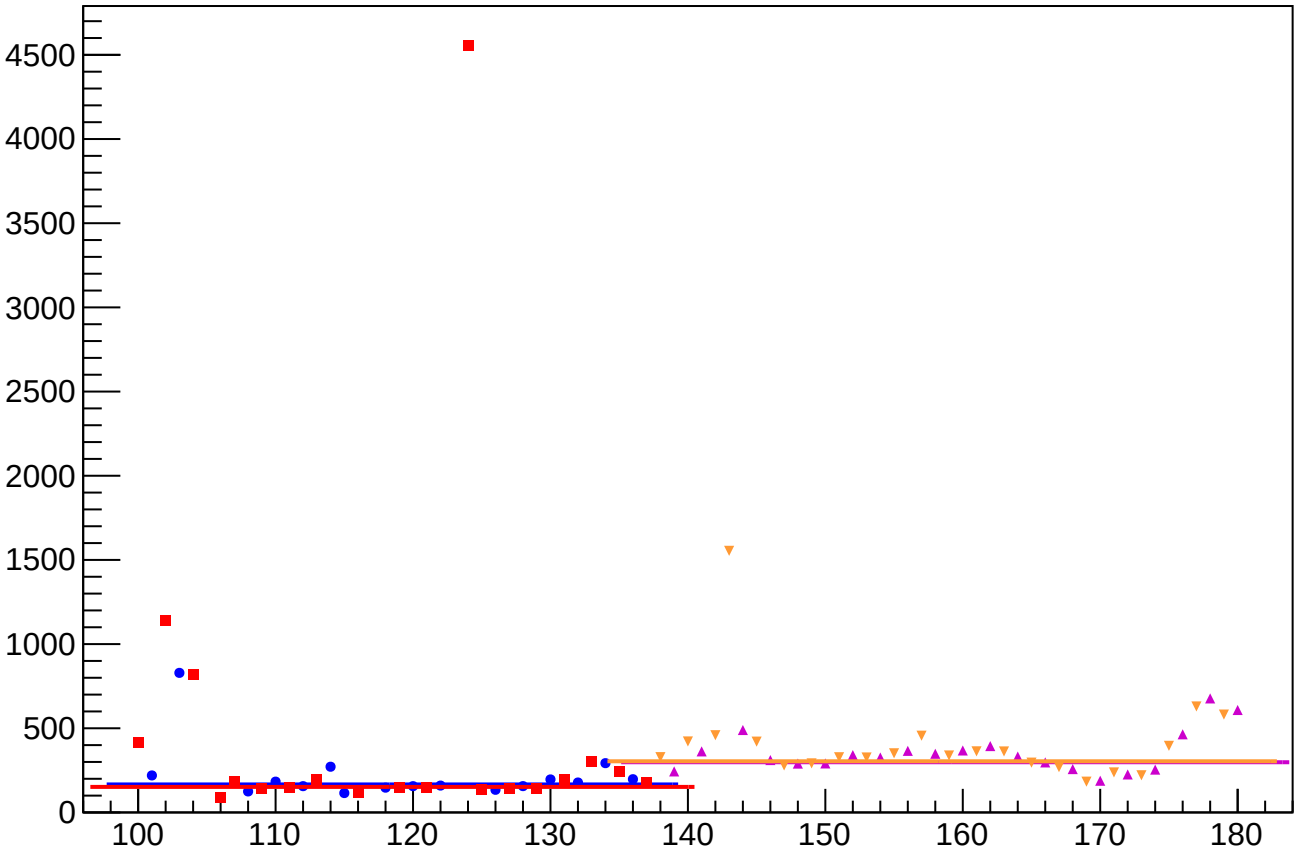
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.066+/-0.076 χ^2/NDF:29.8/20

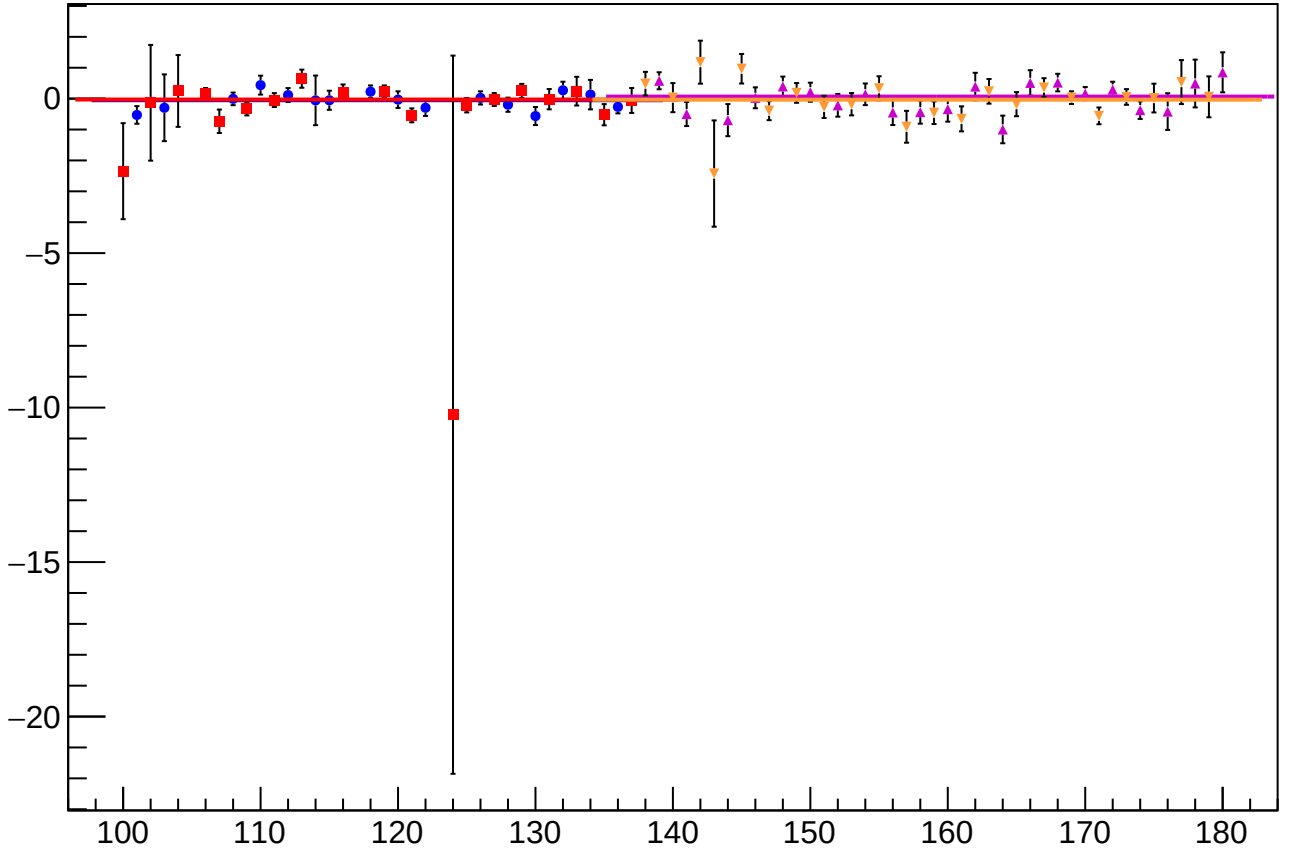
+ sign -0.044+/-0.051 χ^2/NDF: 42.8/37

All: -0.016+/-0.035 χ^2/NDF: 101.7/77

- sign 0.011+/-0.049 χ^2/NDF: 58.2/39


asym_atl_avg_atr_avg_avg_eigen_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: 166.359+/-0.047 χ²/NDF: 1282724.2/15
Left Out: 303.956+/-0.055 χ²/NDF:3651650.8/21
Right Out: 151.790+/-0.045 χ²/NDF: 2315641.8/18
Left In: 298.287+/-0.054 χ²/NDF:2587079.3/20
+ sign 224.278+/-0.036 χ²/NDF: 8514070.6/37
All: 218.192+/-0.025 χ²/NDF: 17814008.9/77
- sign 212.528+/-0.035 χ²/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: -0.034+/-0.078 χ^2/NDF:27.9/21

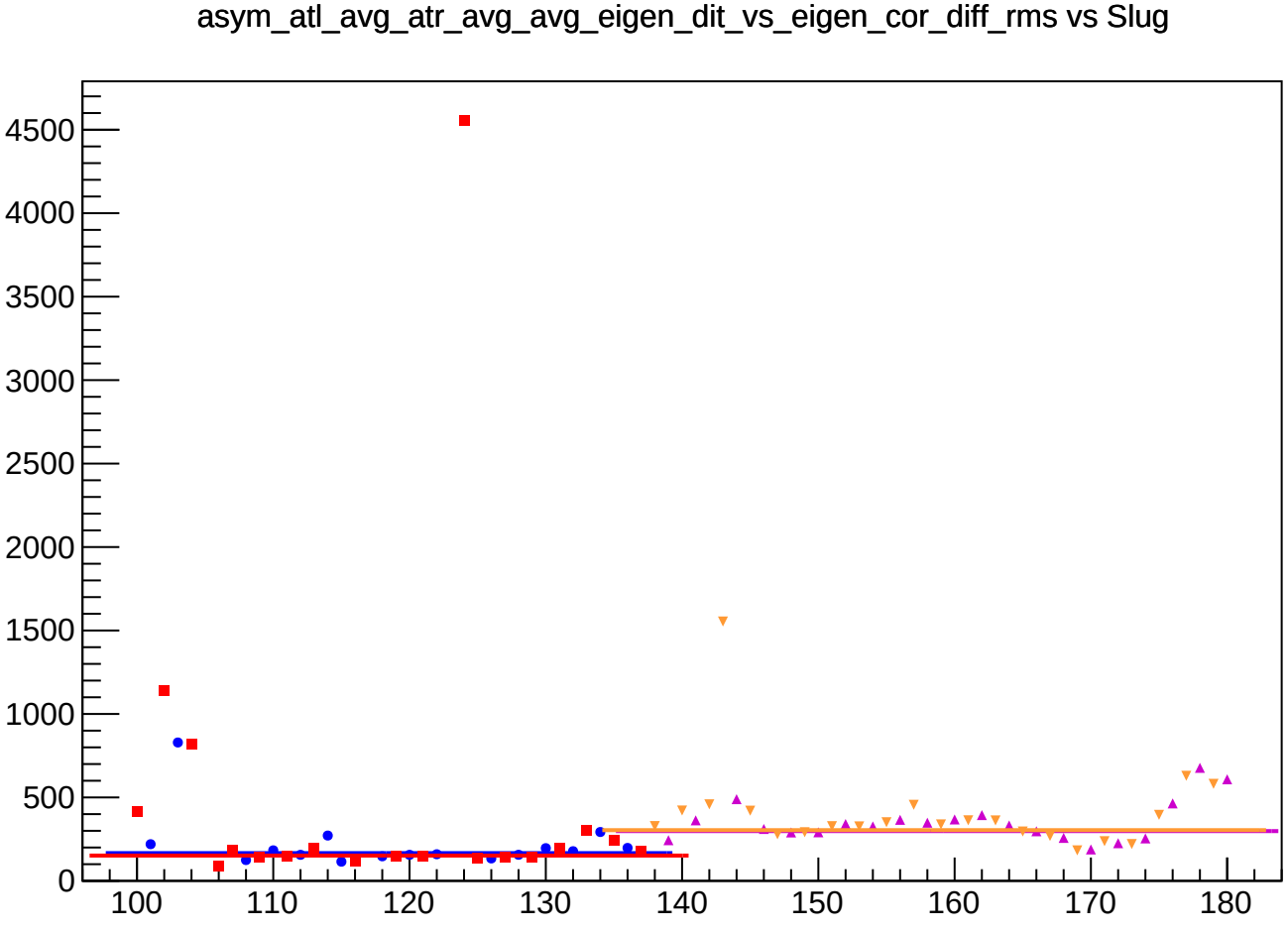
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

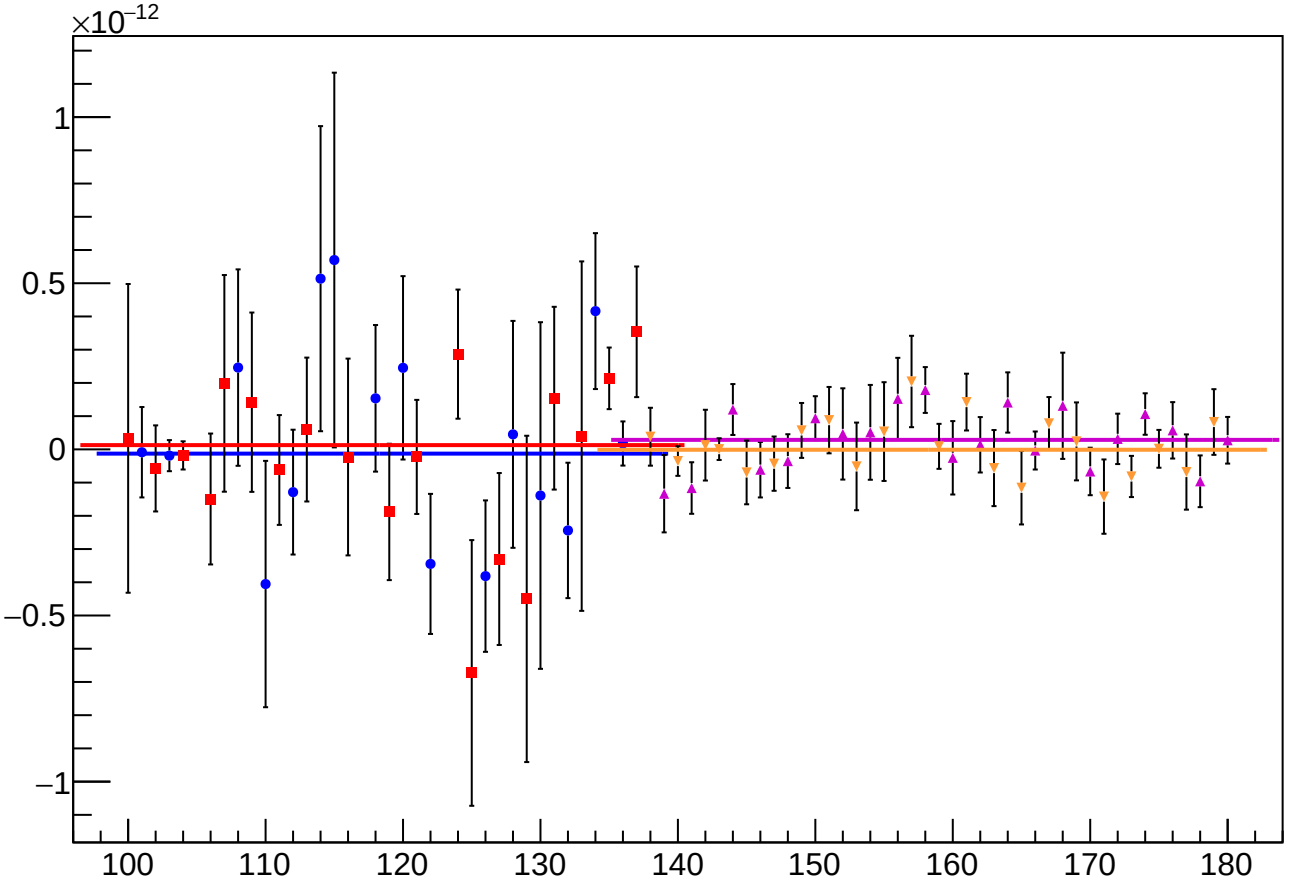
Left In: 0.066+/-0.076 χ^2/NDF:29.8/20

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/37

All: -0.016+/-0.035 χ^2/NDF: 101.7/77

- 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: 303.956+/-0.055 χ²/NDF:3651650.8/21
Right Out: 151.790+/-0.045 χ²/NDF: 2315641.8/18
Left In: 298.287+/-0.054 χ²/NDF:2587079.3/20
+ sign 224.278+/-0.036 χ²/NDF: 8514070.6/37
All: 218.192+/-0.025 χ²/NDF: 17814008.9/77
- 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:14.9/21

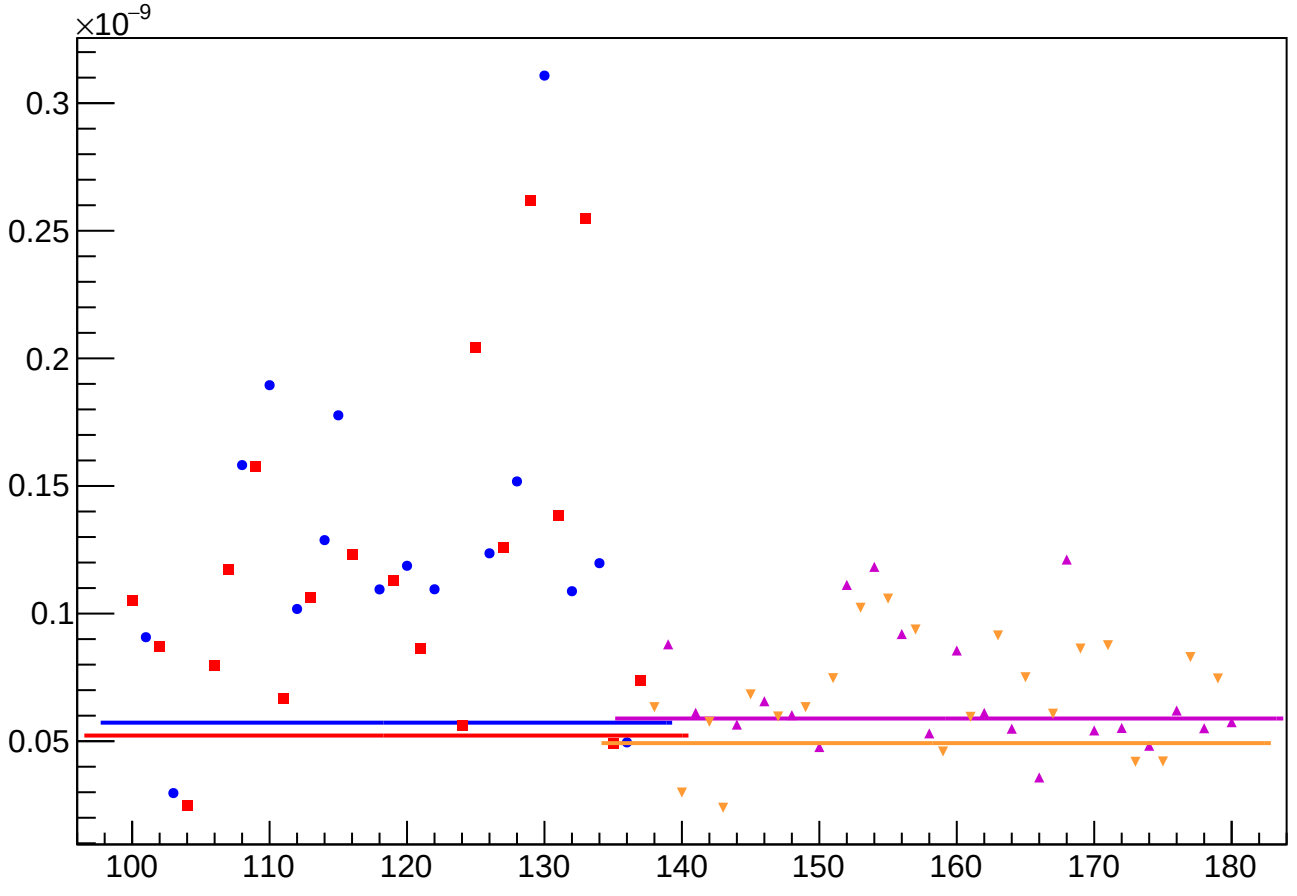
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:23.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 31.1/37

All: 0.000+/-0.000 χ^2/NDF: 75.9/77

- 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:4030245.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

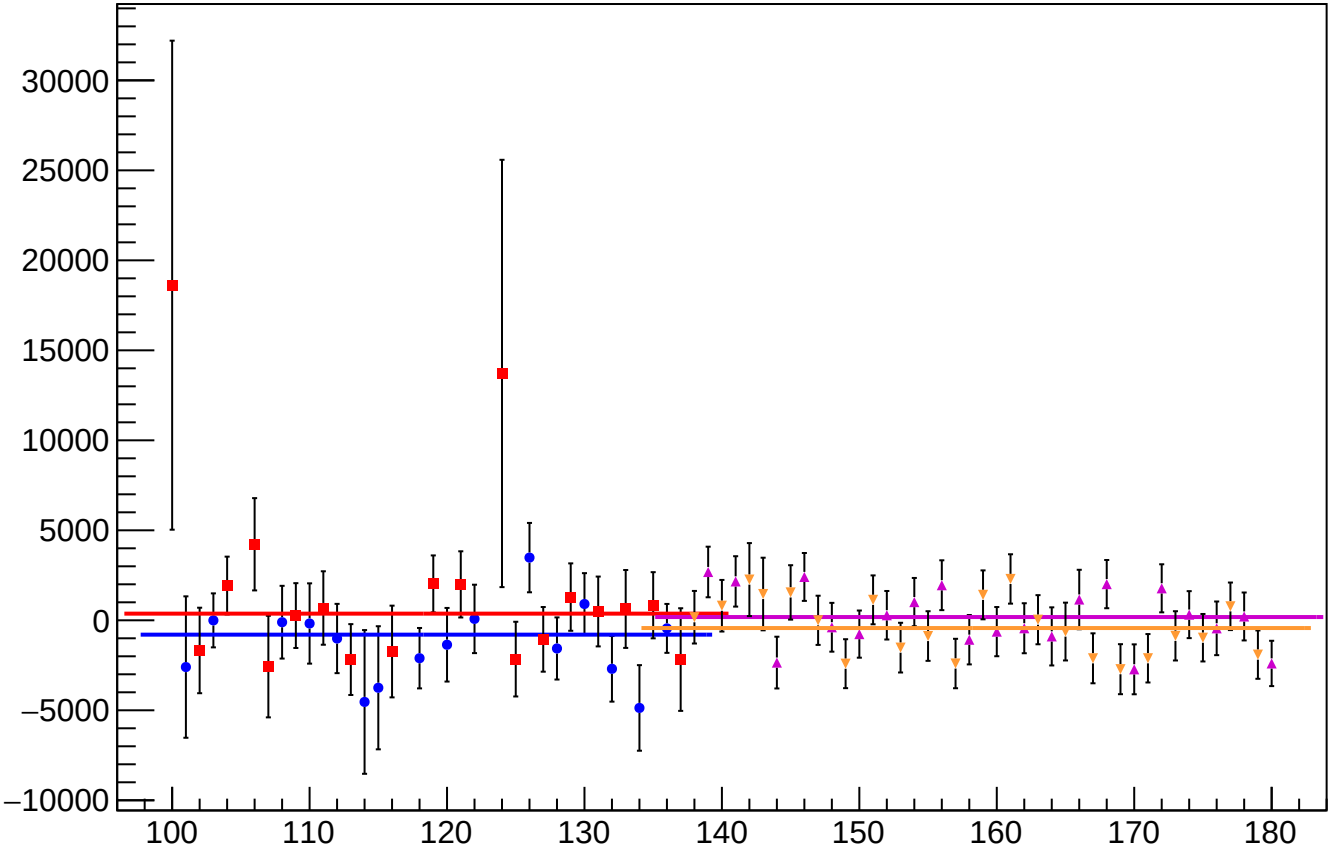
Left In: 0.000+/-0.000 χ^2/NDF:1825982.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 7109310.1/37

All: 0.000+/-0.000 χ^2/NDF: 12478878.3/77

- 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: -430.217+/-302.828 χ^2/NDF:25.6/21

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

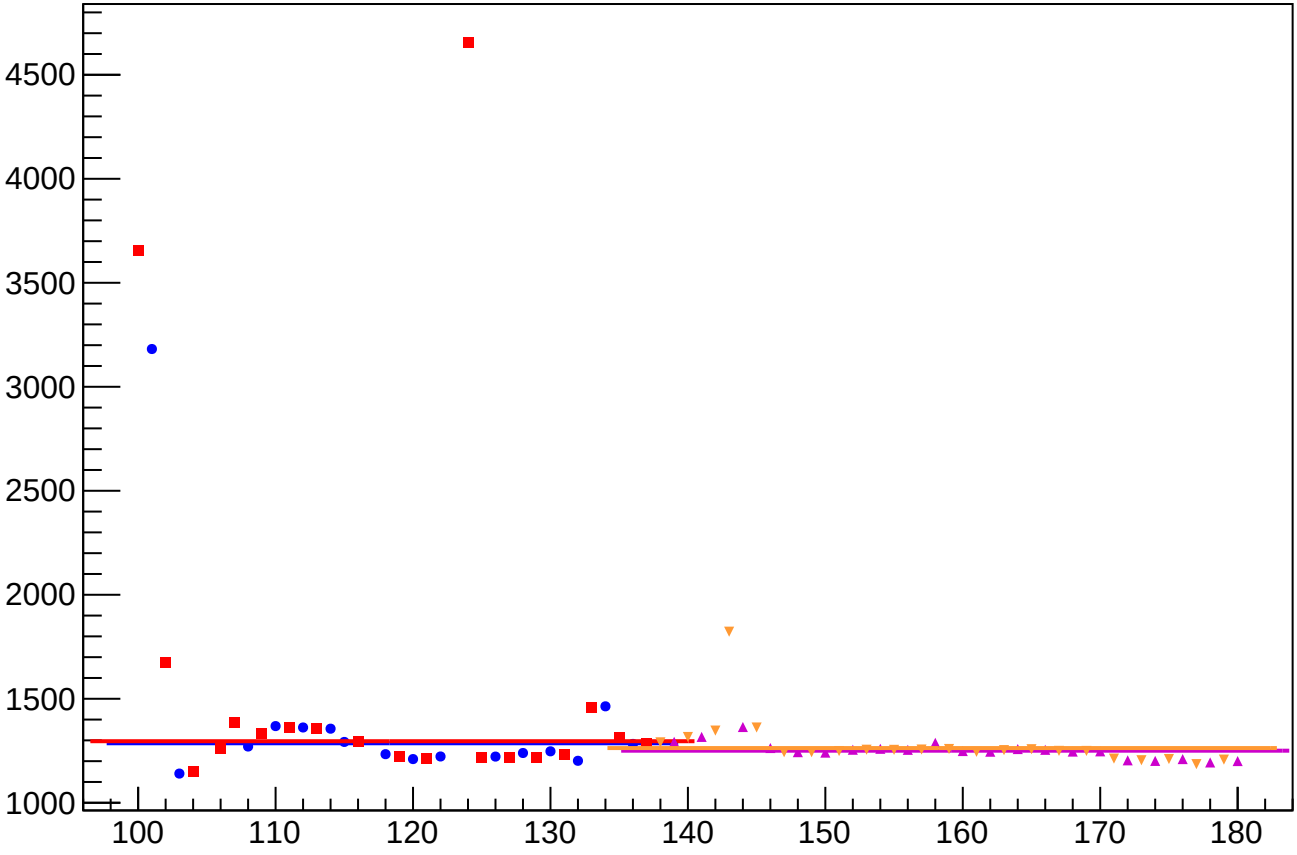
Left In: 181.078+/-301.163 χ^2/NDF:28.0/20

+ sign -532.434+/-257.231 χ^2/NDF: 39.4/37

All: -147.574+/-181.443 χ^2/NDF: 87.6/77

- 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: 1262.975+/-0.214 χ^2/NDF:191424.8/21

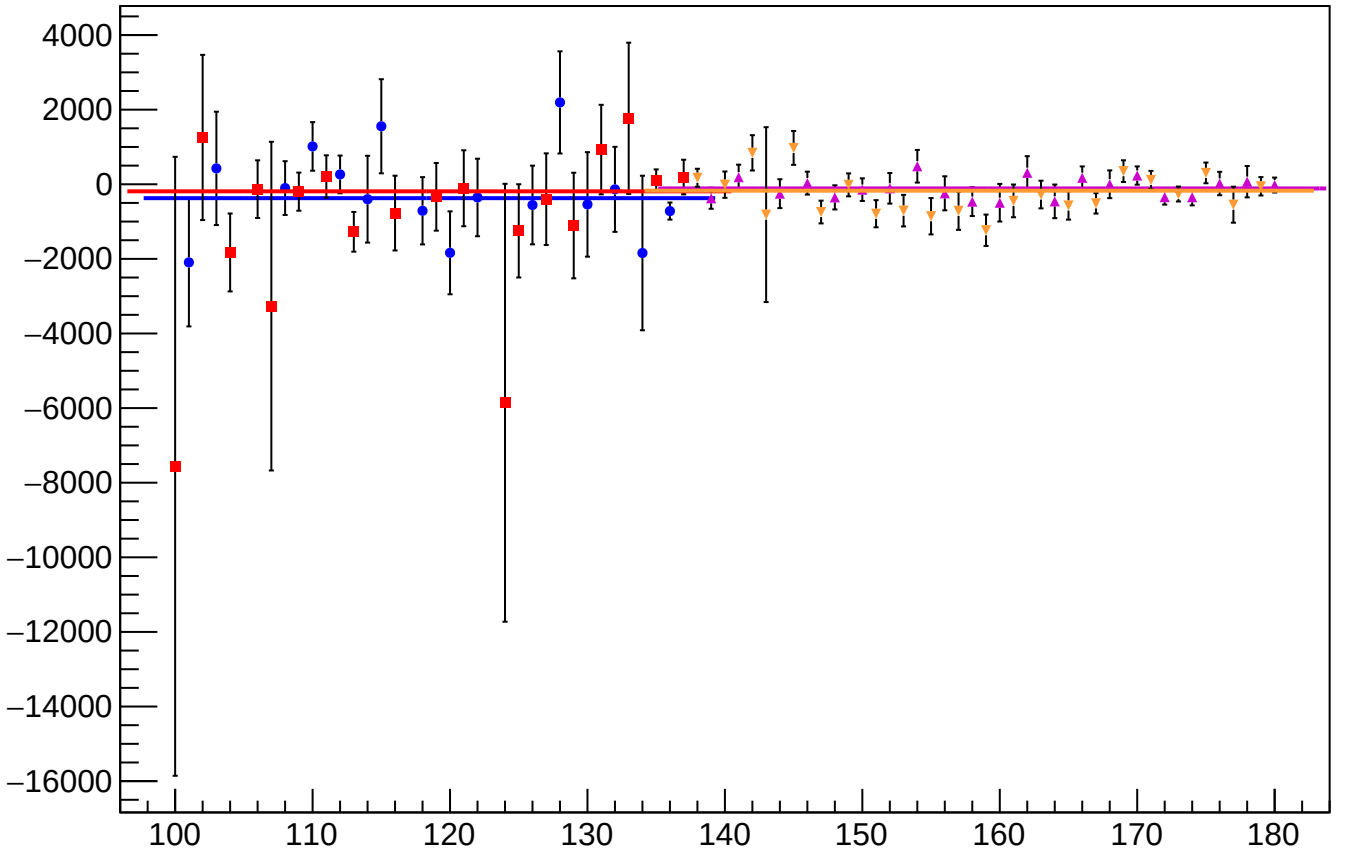
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.3/20

+ sign 1269.414+/-0.182 χ^2/NDF: 712798.5/37

All: 1266.199+/-0.128 χ^2/NDF: 1088639.1/77

- 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: -171.625+/-70.139 χ^2/NDF:42.8/21

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

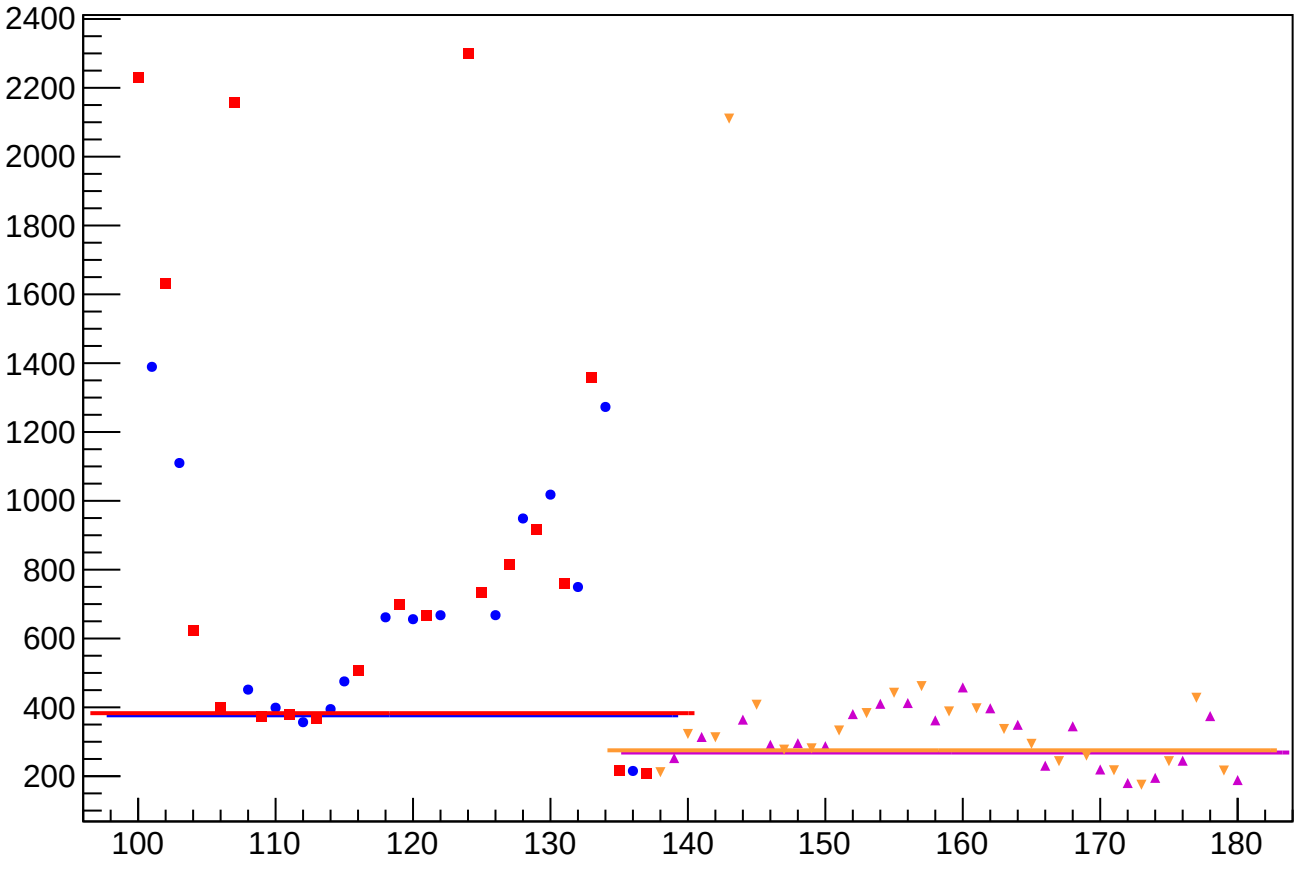
Left In: -112.029+/-67.902 χ^2/NDF:13.5/20

+ sign -201.353+/-64.736 χ^2/NDF: 62.1/37

All: -160.958+/-45.162 χ^2/NDF: 91.2/77

- 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: 275.146+/-0.050 χ^2/NDF:3615699.4/21

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

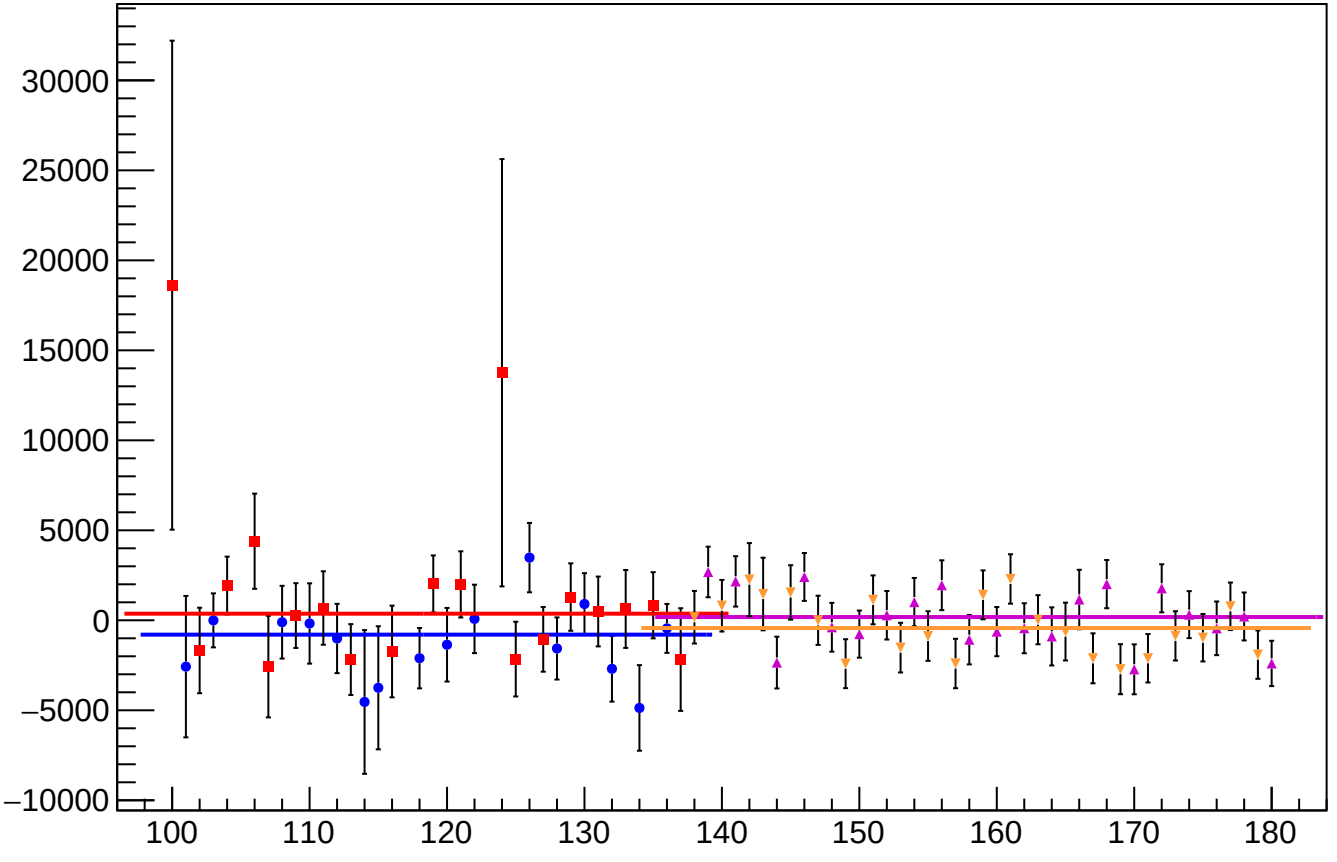
Left In: 268.718+/-0.048 χ^2/NDF:2652731.8/20

+ sign 290.217+/-0.046 χ^2/NDF: 8429301.5/37

All: 287.293+/-0.032 χ^2/NDF: 15927967.3/77

- 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: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

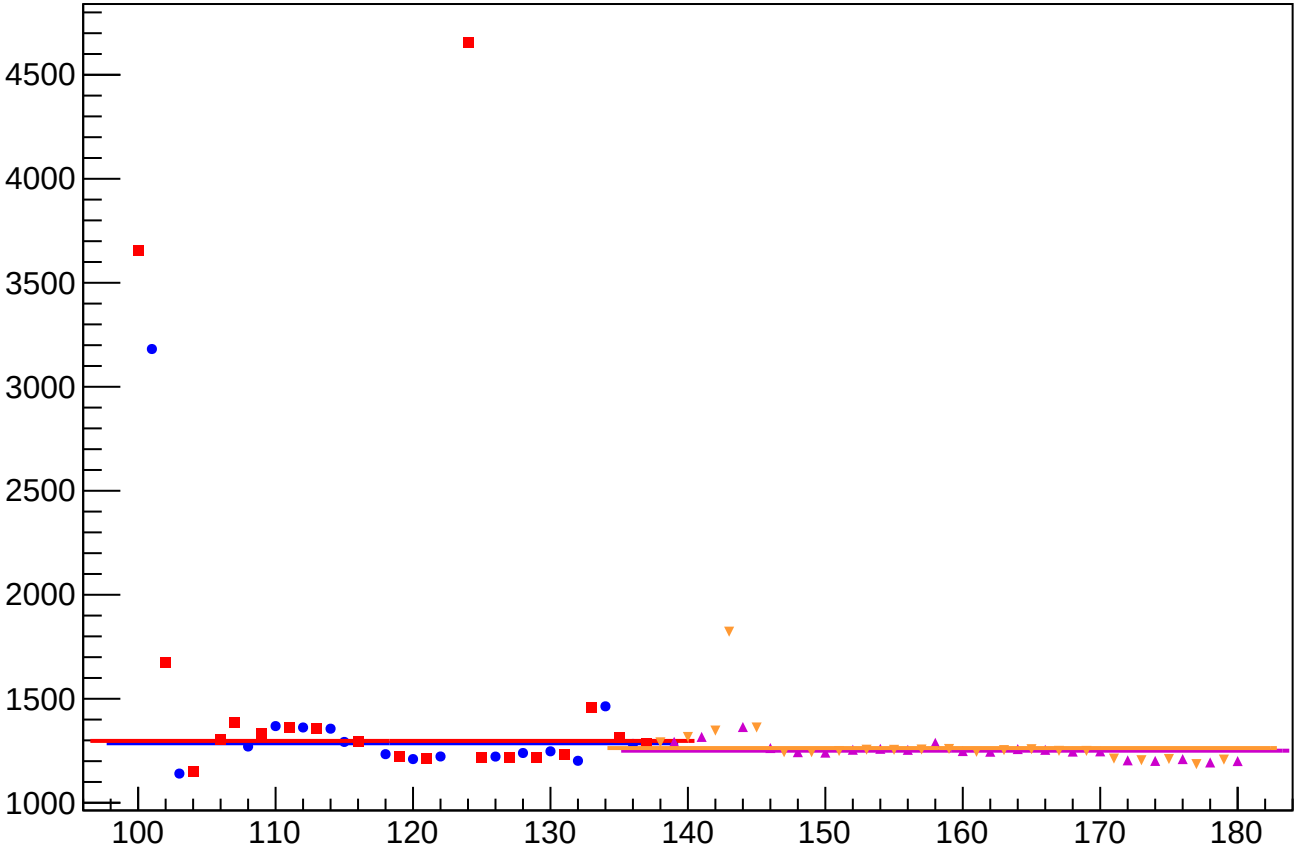
Left In: 181.049+/-301.163 χ^2/NDF:28.0/20

+ sign -532.308+/-257.231 χ^2/NDF: 39.4/37

All: -148.029+/-181.470 χ^2/NDF: 87.7/77

- 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: 1262.976+/-0.214 χ^2/NDF:191424.8/21

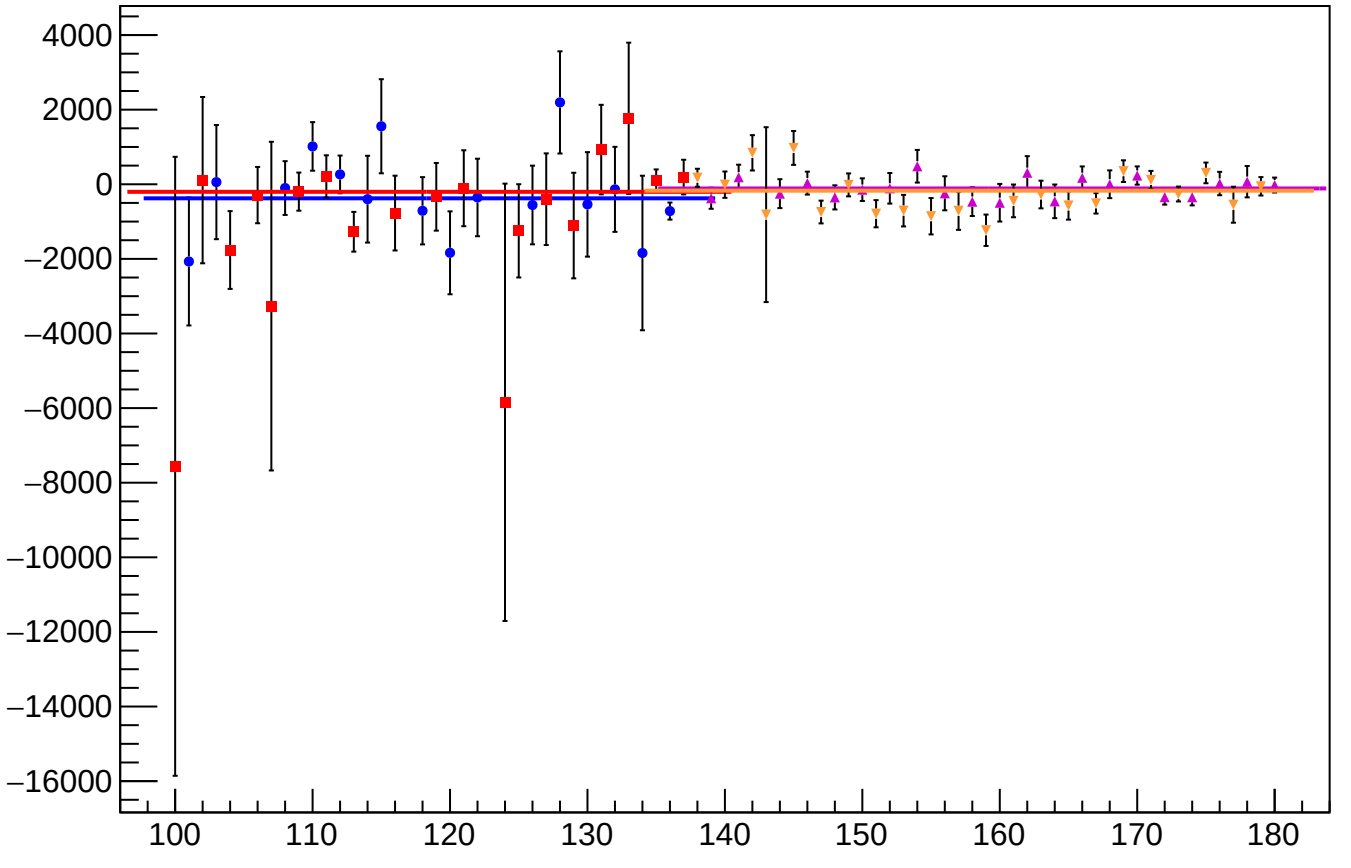
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

+ sign 1269.414+/-0.182 χ^2/NDF: 712799.9/37

All: 1266.392+/-0.128 χ^2/NDF: 1089041.6/77

- 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: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

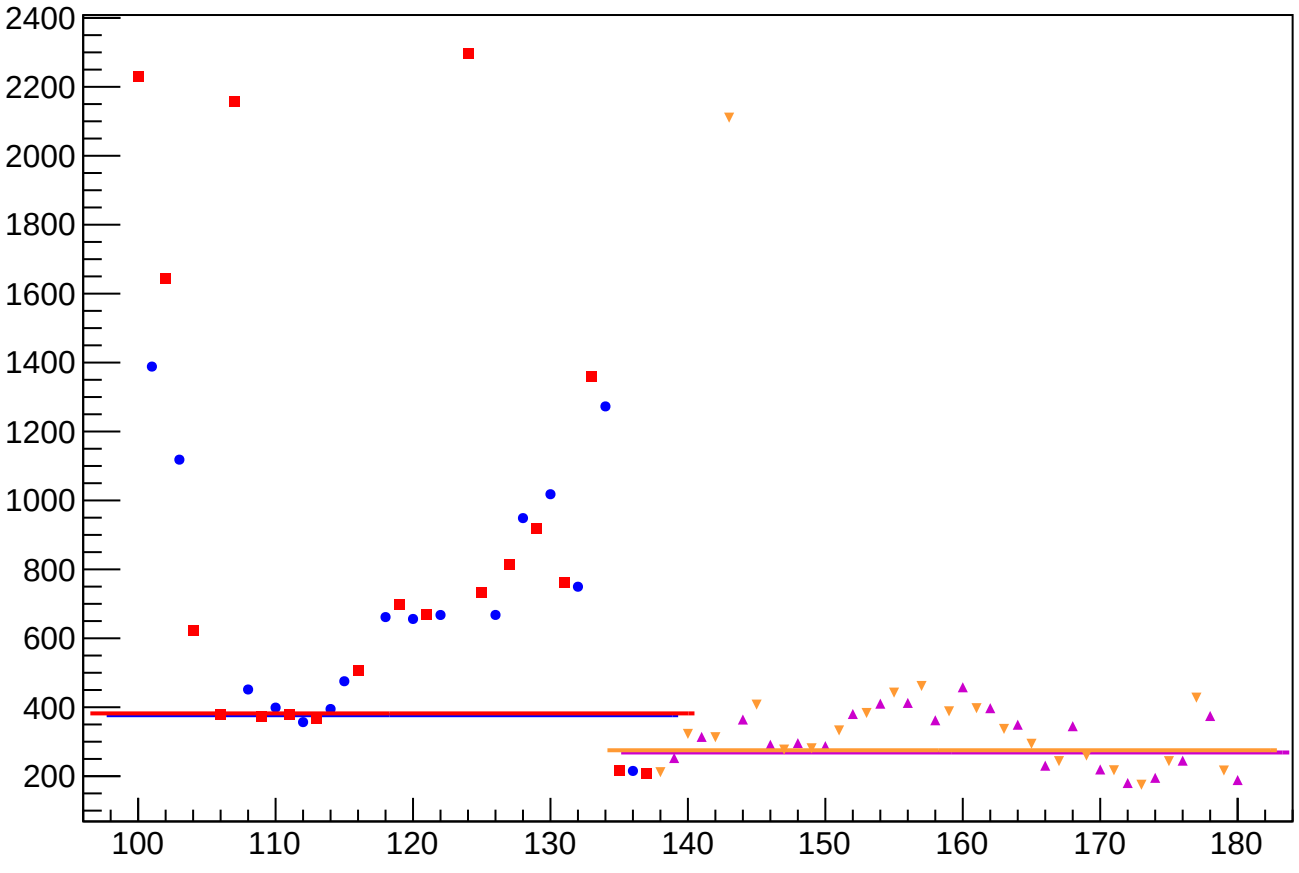
Left In: -112.147+/-67.904 χ^2/NDF:13.4/20

+ sign -202.031+/-64.739 χ^2/NDF: 62.0/37

All: -162.283+/-45.160 χ^2/NDF: 90.4/77

- sign -124.609+/-63.027 χ^2/NDF: 27.7/39

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

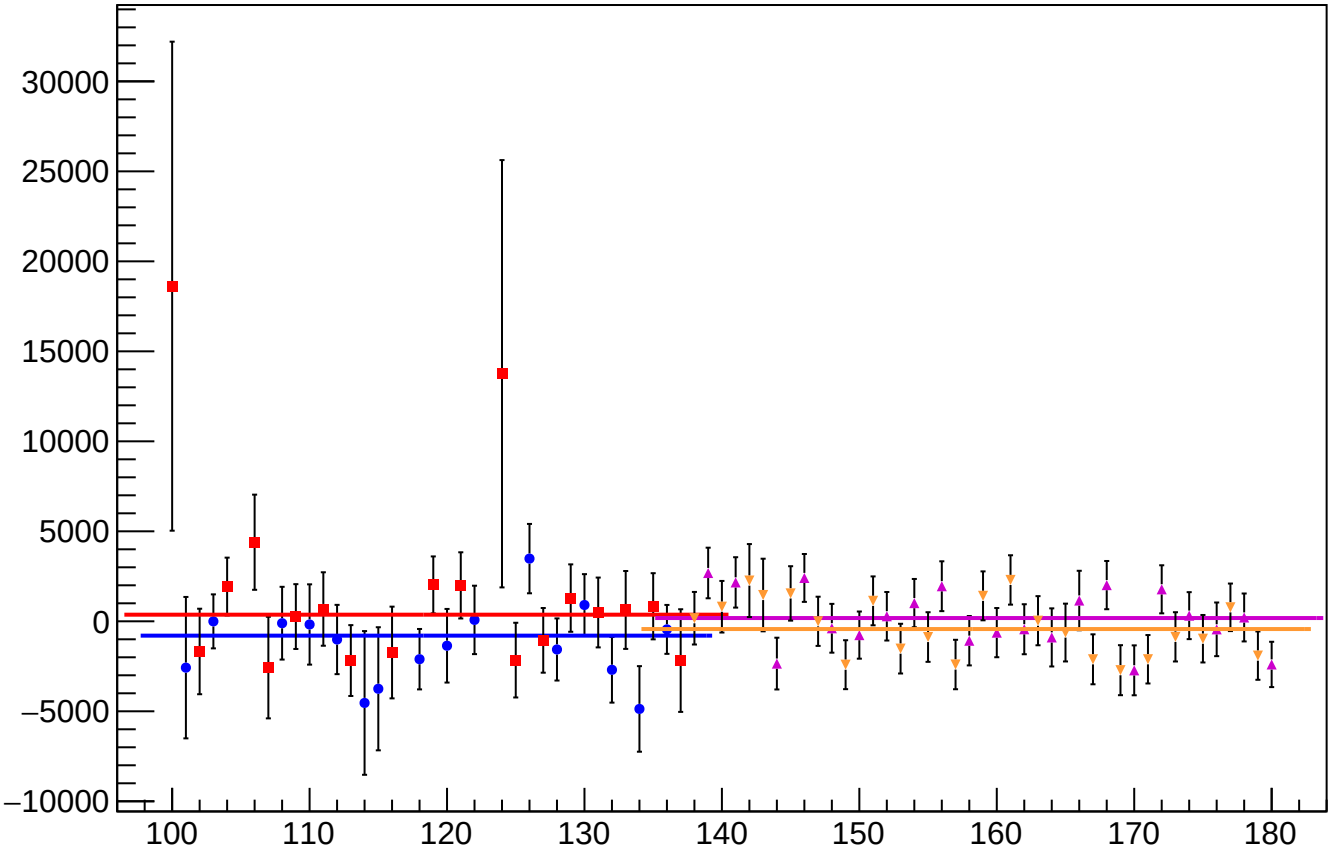
Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

+ sign 290.224+/-0.046 χ^2/NDF: 8431676.5/37

All: 287.249+/-0.032 χ^2/NDF: 15924404.7/77

- sign 284.430+/-0.045 χ^2/NDF: 7484504.9/39

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

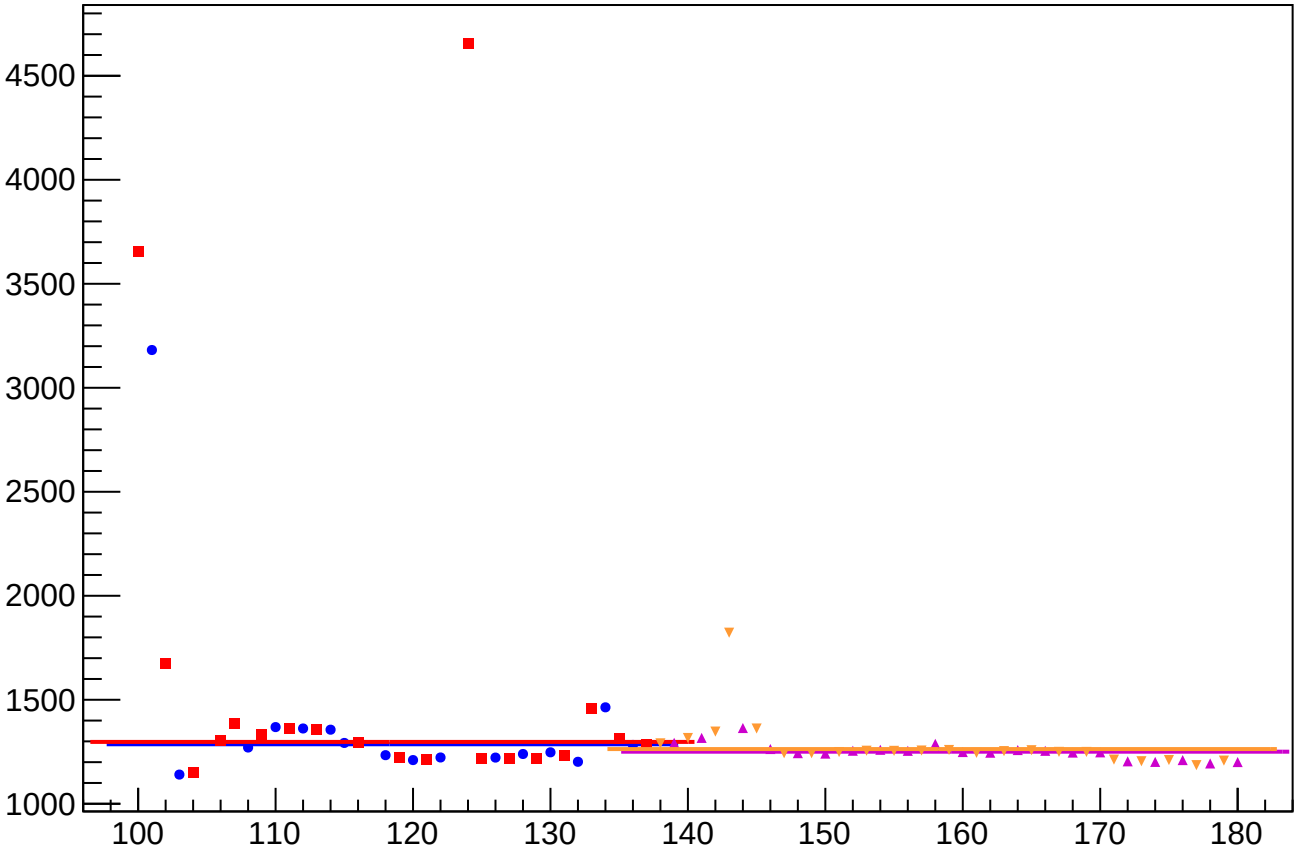
Left In: 181.049+/-301.163 χ^2/NDF:28.0/20

+ sign -532.308+/-257.231 χ^2/NDF: 39.4/37

All: -148.029+/-181.470 χ^2/NDF: 87.7/77

- sign 232.721+/-256.047 χ^2/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: 1262.976+/-0.214 χ^2/NDF:191424.8/21

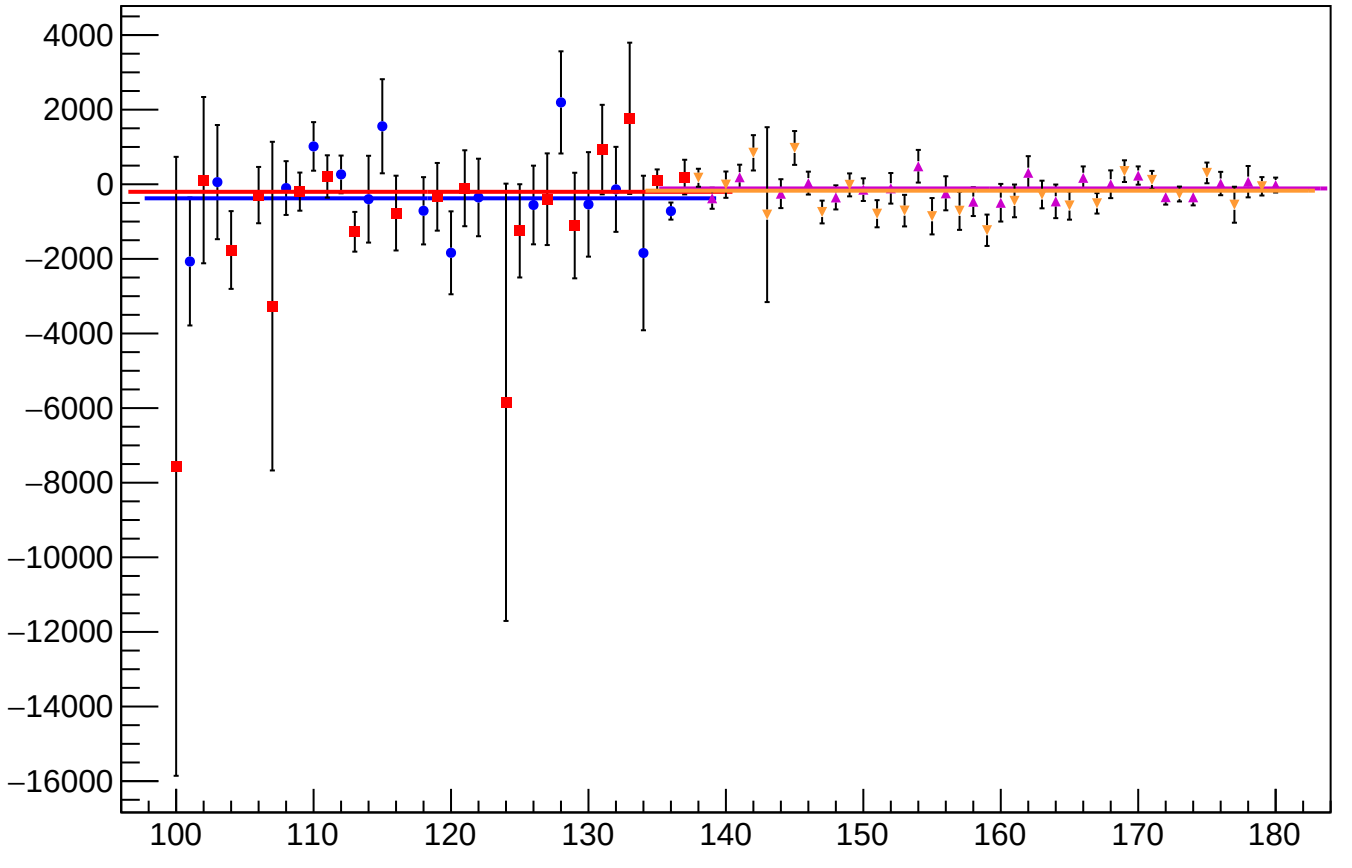
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

+ sign 1269.414+/-0.182 χ^2/NDF: 712799.9/37

All: 1266.392+/-0.128 χ^2/NDF: 1089041.6/77

- 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: -171.653+/-70.141 χ^2/NDF:42.8/21

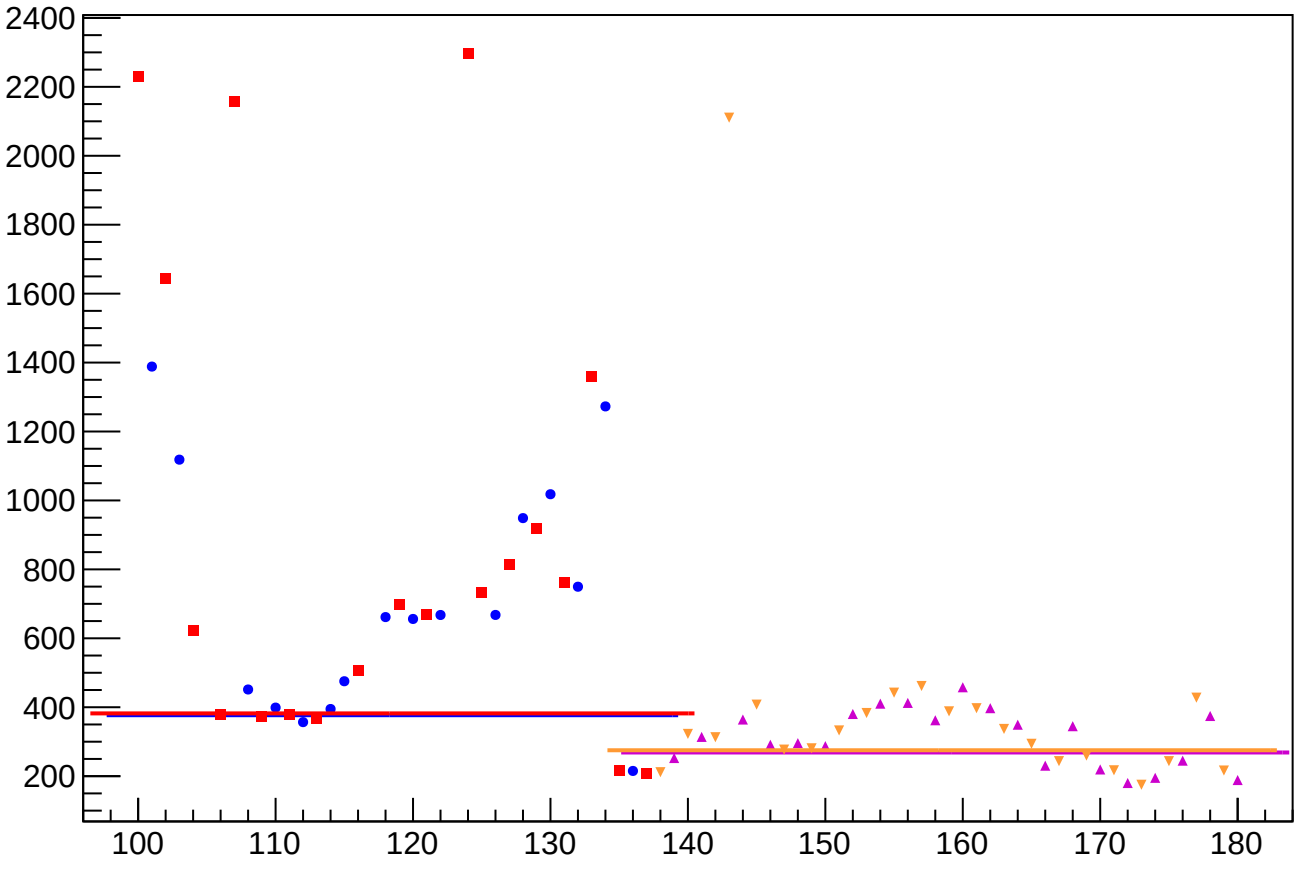
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -112.147+/-67.904 χ^2/NDF:13.4/20

+ sign -202.031+/-64.739 χ^2/NDF: 62.0/37

All: -162.283+/-45.160 χ^2/NDF: 90.4/77

- 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: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

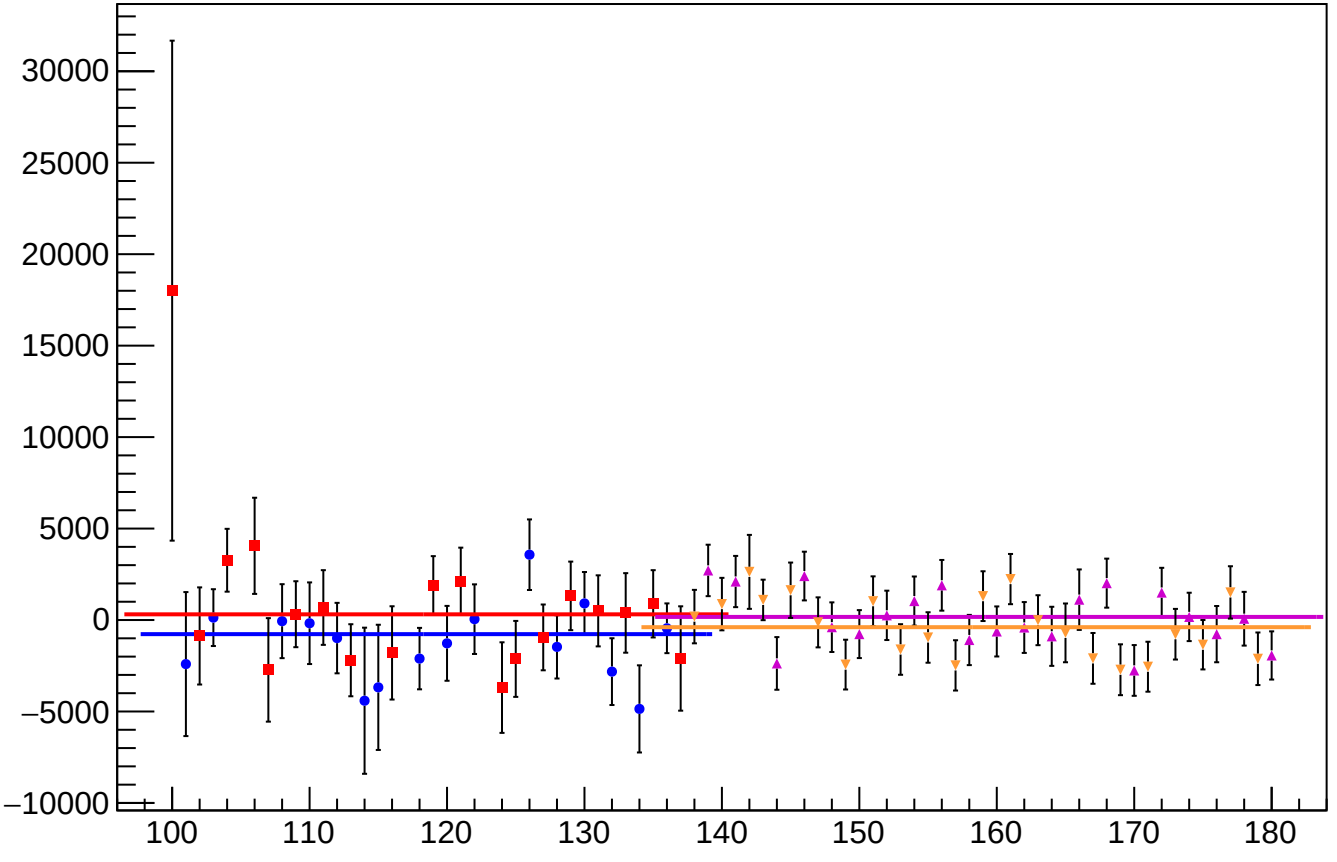
Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

+ sign 290.224+/-0.046 χ^2/NDF: 8431676.5/37

All: 287.249+/-0.032 χ^2/NDF: 15924404.7/77

- 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: -391.037+/-298.059 χ^2/NDF:29.4/21

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

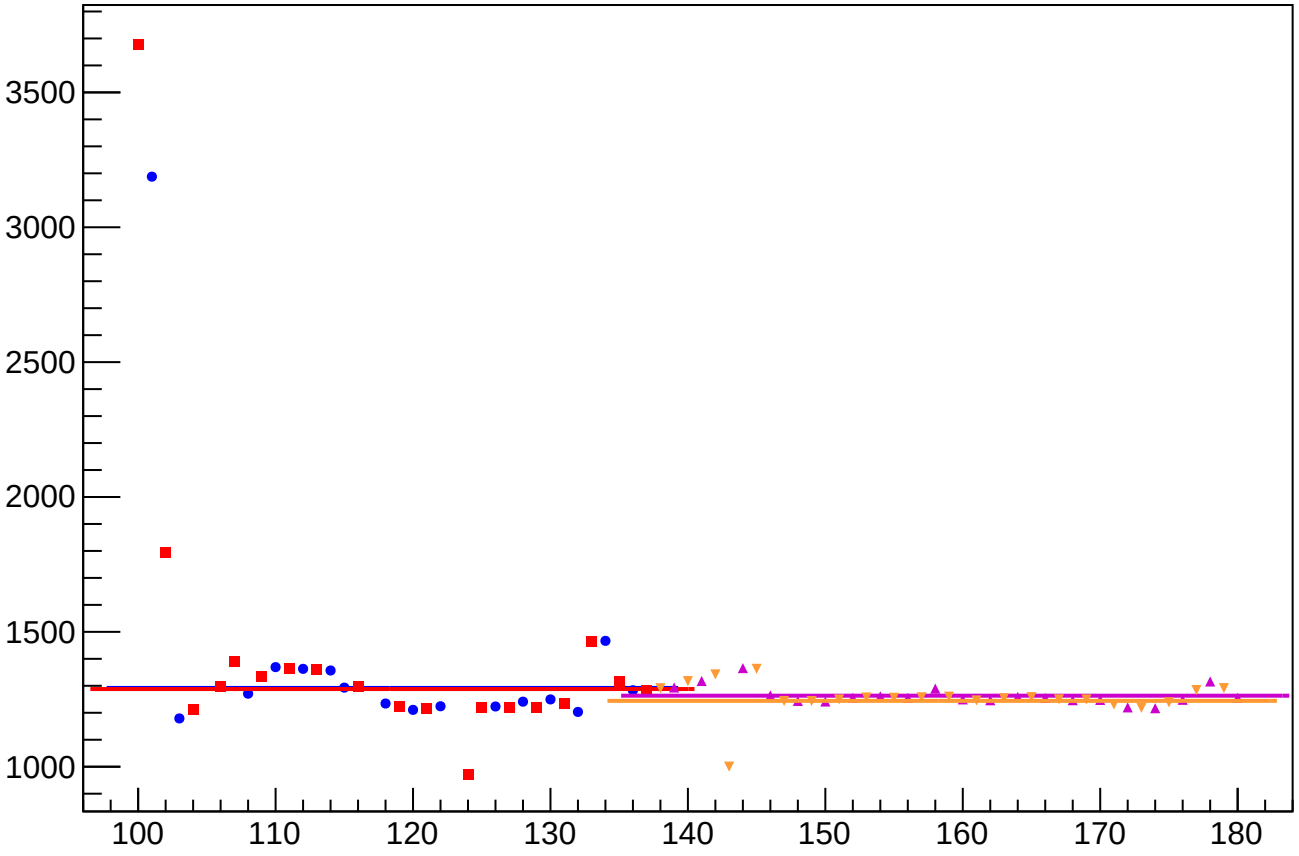
Left In: 170.087+/-304.260 χ^2/NDF:26.1/20

+ sign -493.913+/-254.592 χ^2/NDF: 43.4/37

All: -145.657+/-181.003 χ^2/NDF: 91.3/77

- 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: 1244.181+/-0.211 χ^2/NDF:127011.8/21

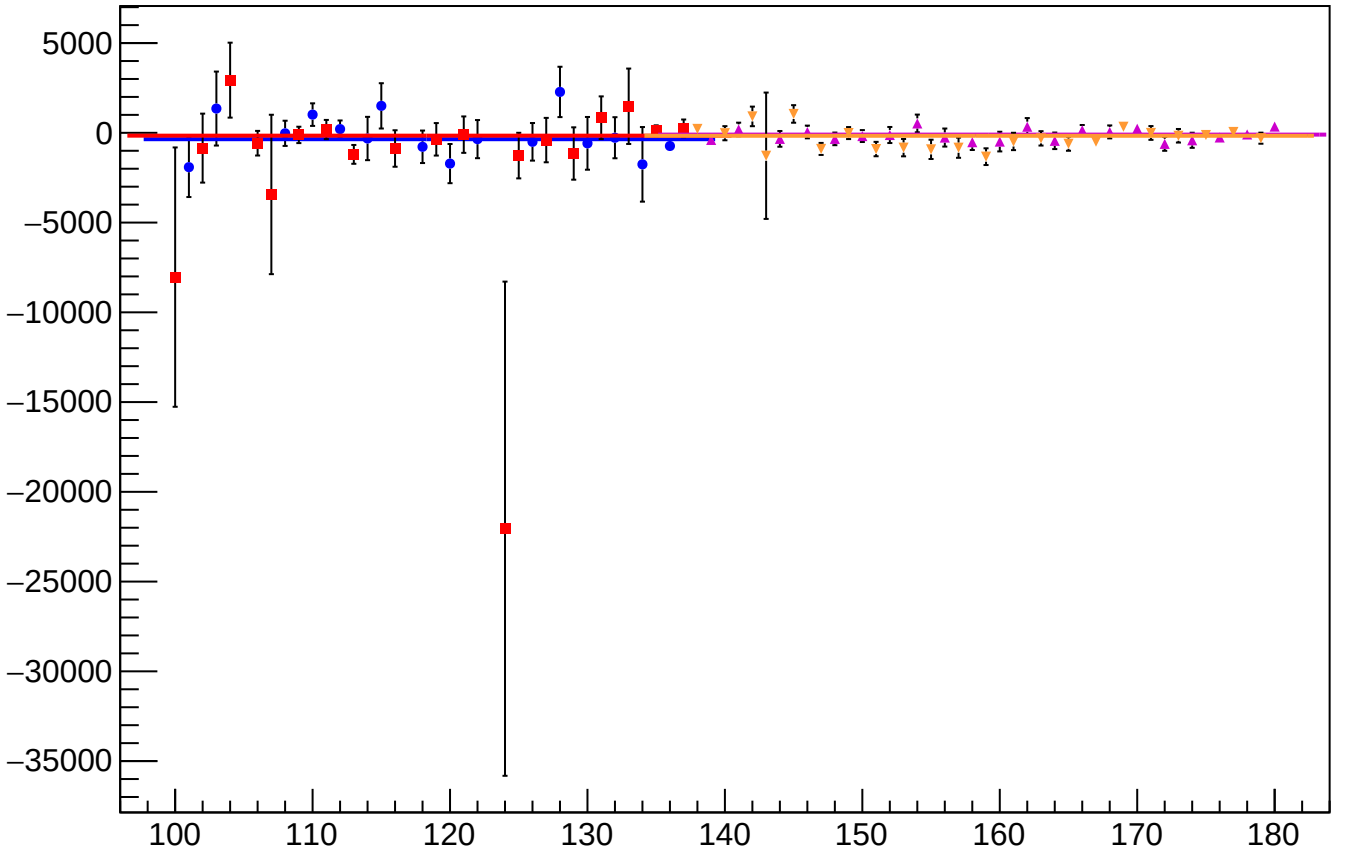
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.353+/-0.215 χ^2/NDF:24326.9/20

+ sign 1257.122+/-0.180 χ^2/NDF: 650359.6/37

All: 1263.668+/-0.128 χ^2/NDF: 890298.0/77

- 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: -164.211+/-67.513 χ^2/NDF:41.7/21

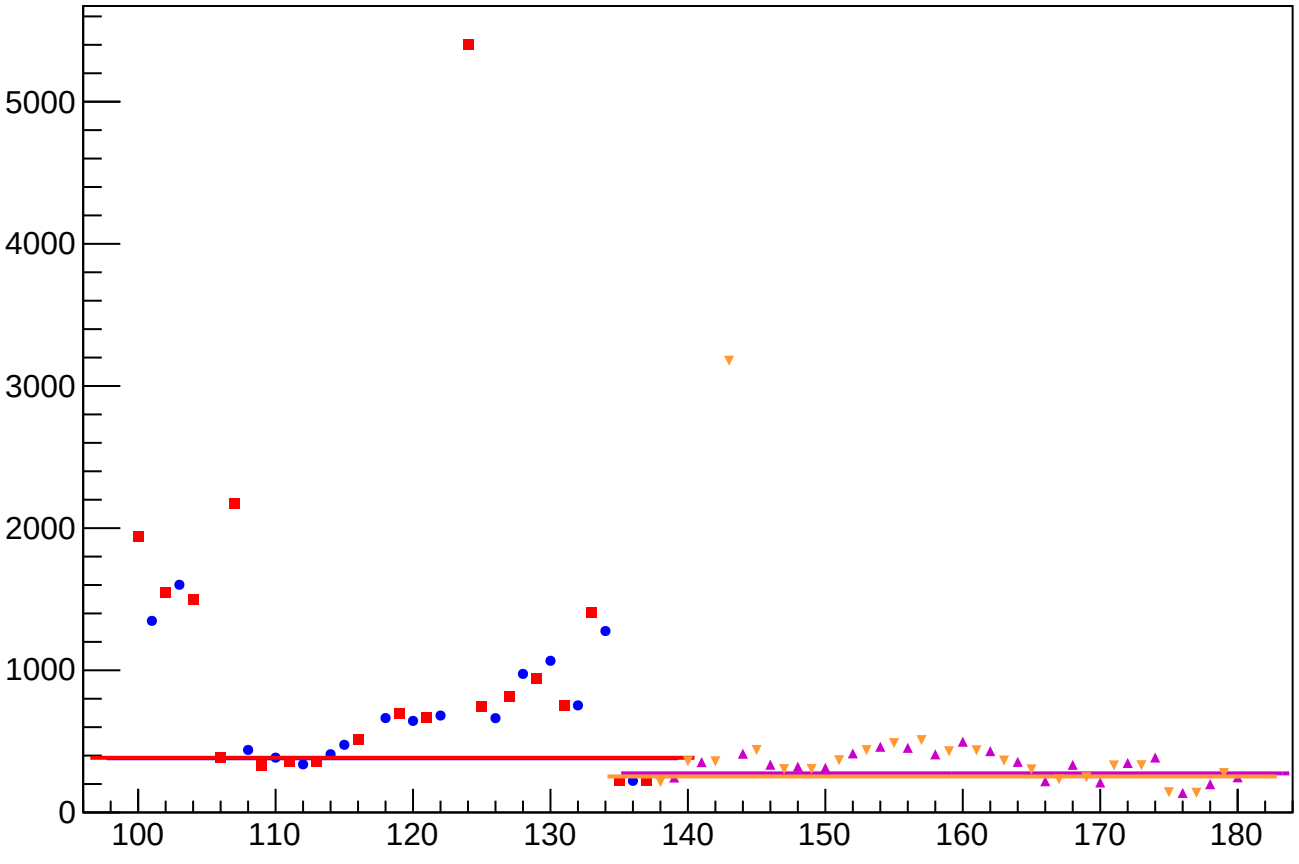
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -99.779+/-70.880 χ^2/NDF:16.2/20

+ sign -190.241+/-62.745 χ^2/NDF: 61.3/37

All: -151.026+/-45.277 χ^2/NDF: 94.2/77

- 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: 253.247+/-0.048 χ^2/NDF:6289956.3/21

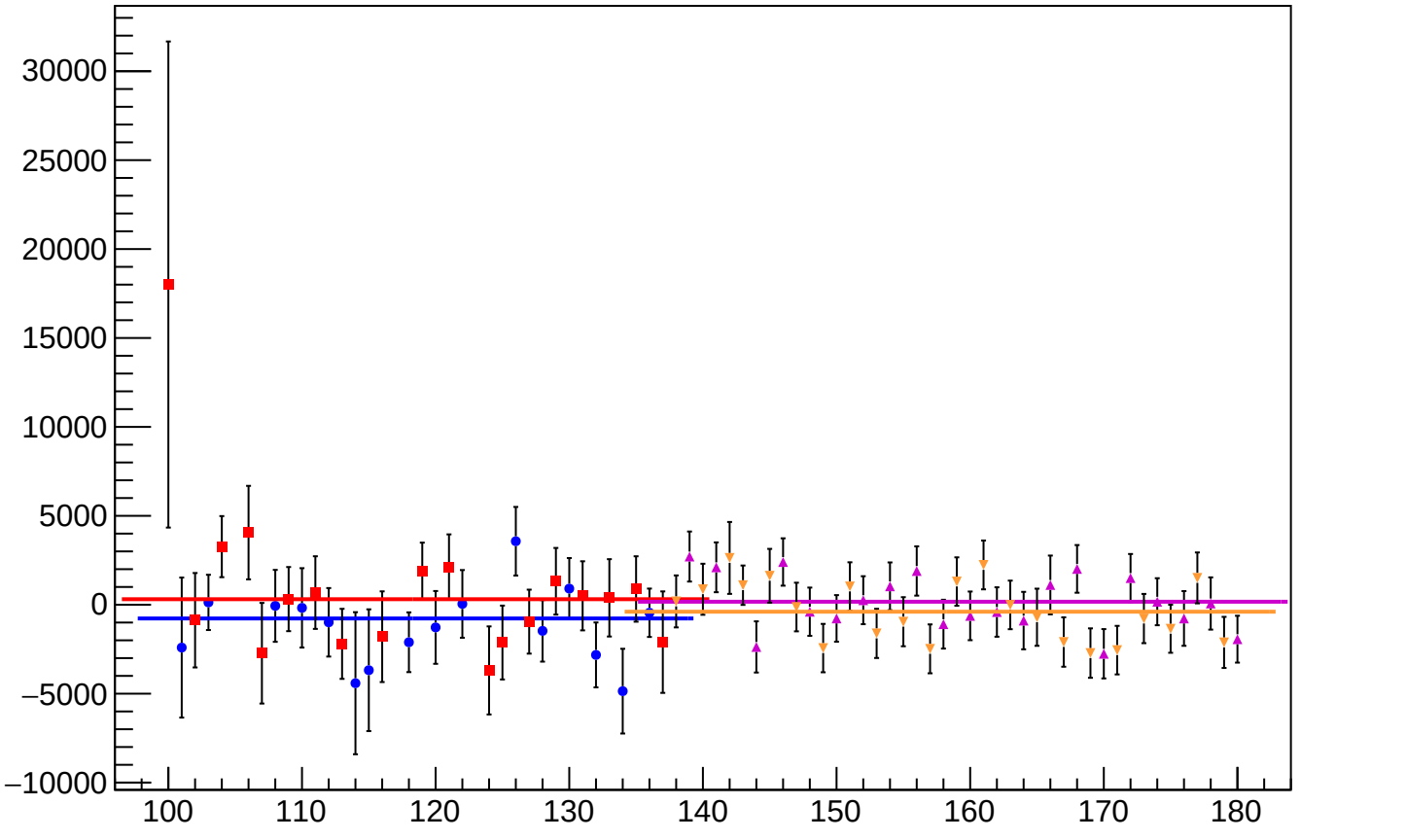
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 274.828+/-0.050 χ^2/NDF:4012127.0/20

+ sign 270.704+/-0.044 χ^2/NDF: 11589113.4/37

All: 280.501+/-0.032 χ^2/NDF: 20976665.8/77

- 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: -391.036+/-298.059 χ^2/NDF:29.4/21

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

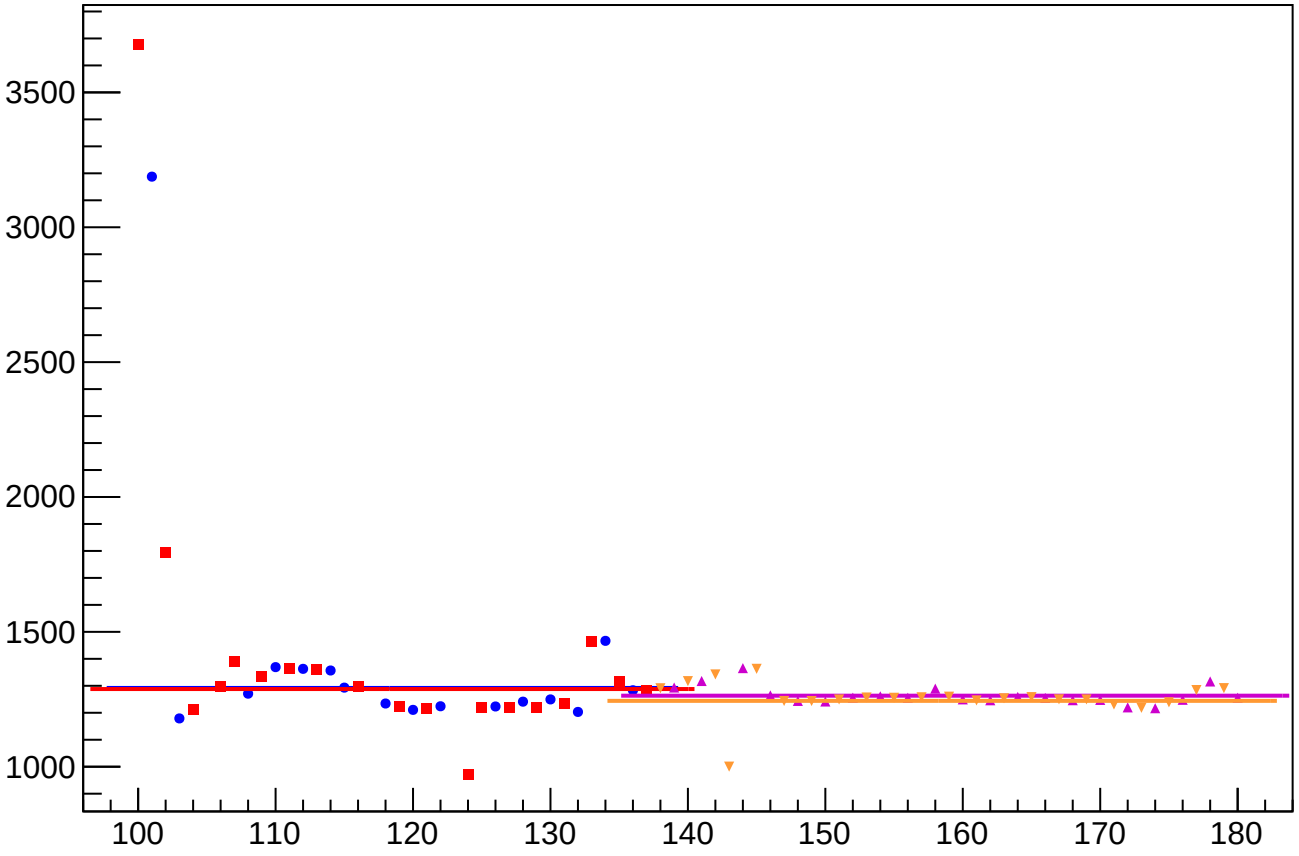
Left In: 170.087+/-304.260 χ^2/NDF:26.1/20

+ sign -493.913+/-254.592 χ^2/NDF: 43.4/37

All: -145.657+/-181.003 χ^2/NDF: 91.3/77

- 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: 1244.182+/-0.211 χ^2/NDF:127011.0/21

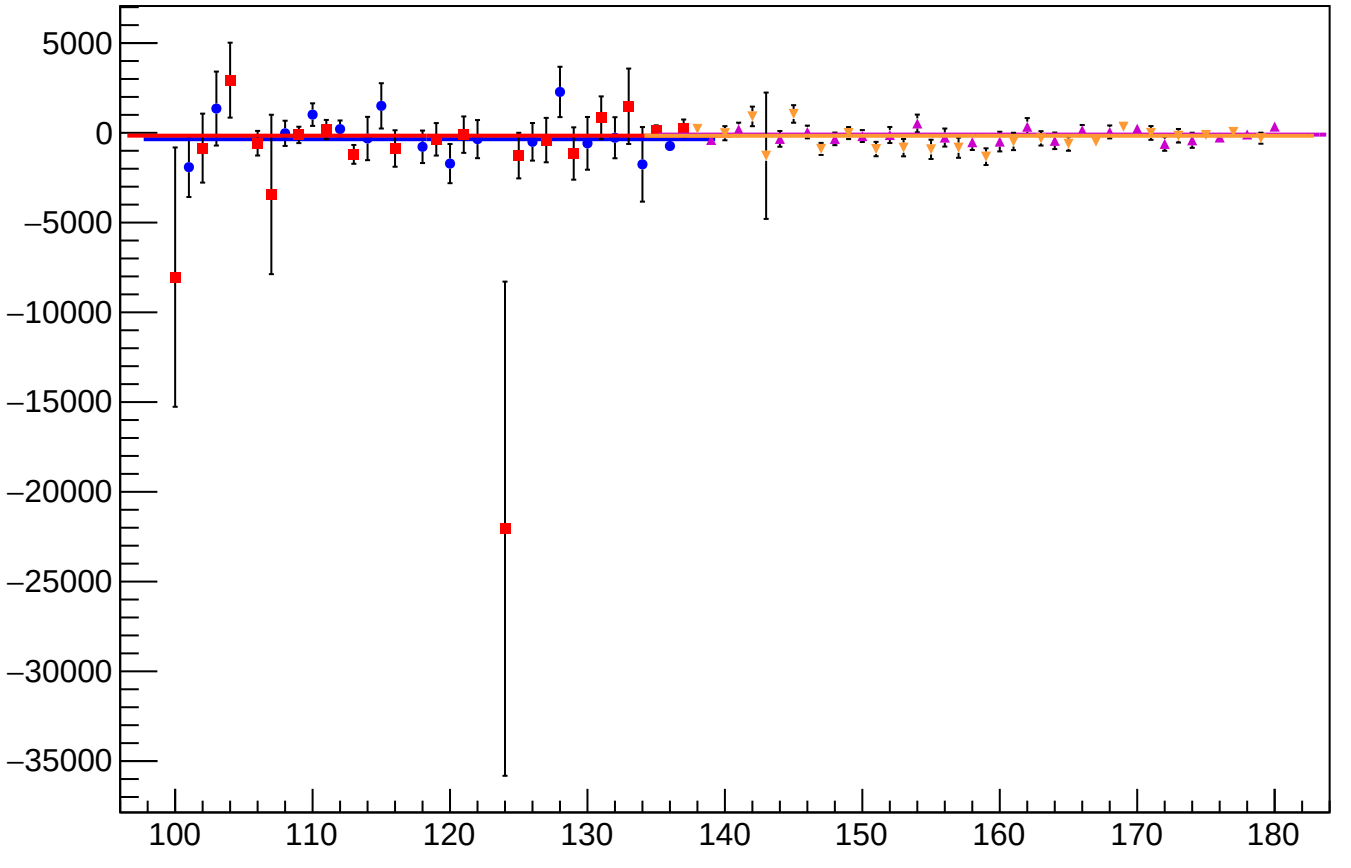
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.353+/-0.215 χ^2/NDF:24327.0/20

+ sign 1257.122+/-0.180 χ^2/NDF: 650358.7/37

All: 1263.668+/-0.128 χ^2/NDF: 890297.4/77

- 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: -164.215+/-67.513 χ^2/NDF:41.7/21

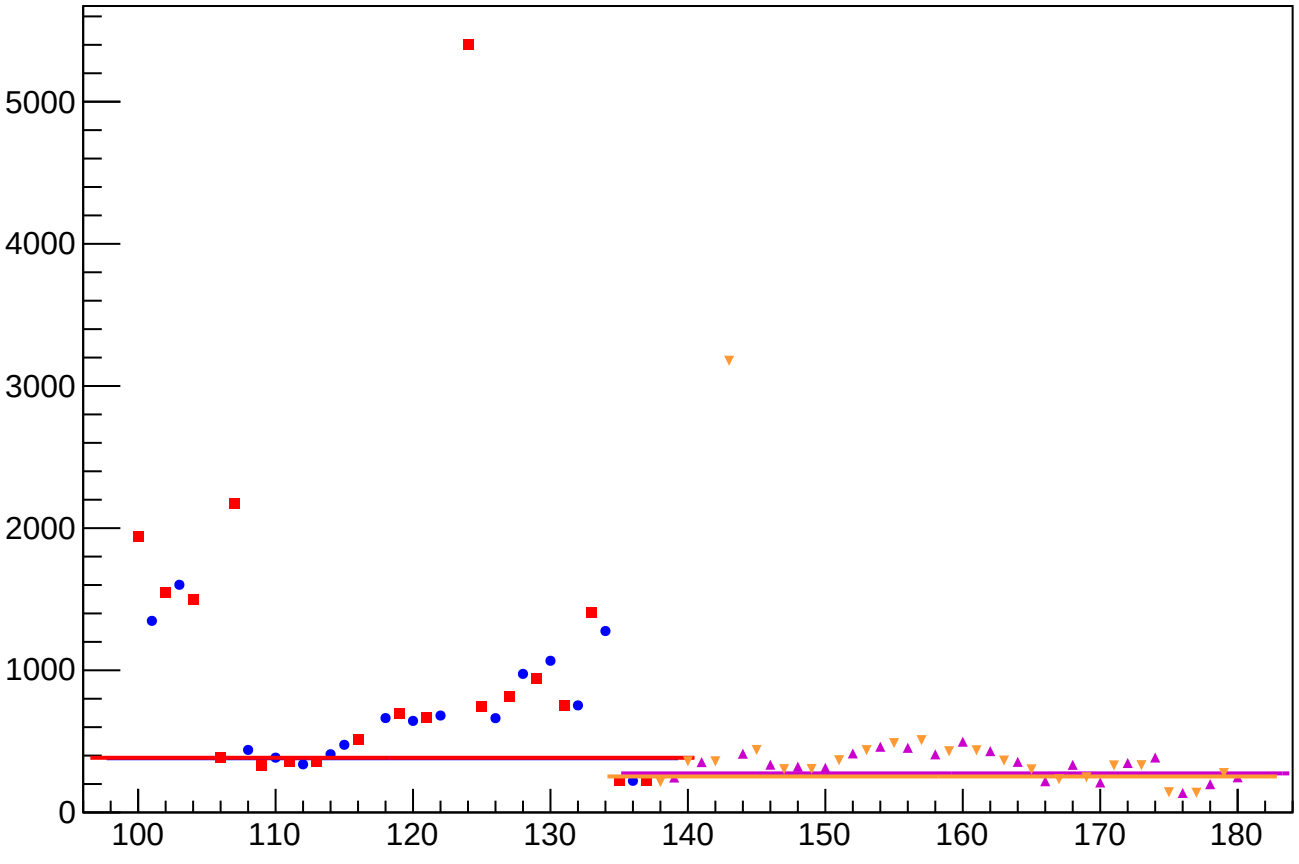
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -99.778+/-70.880 χ^2/NDF:16.2/20

+ sign -190.244+/-62.745 χ^2/NDF: 61.3/37

All: -151.027+/-45.278 χ^2/NDF: 94.2/77

- 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: 253.248+/-0.048 χ^2/NDF:6289859.4/21

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

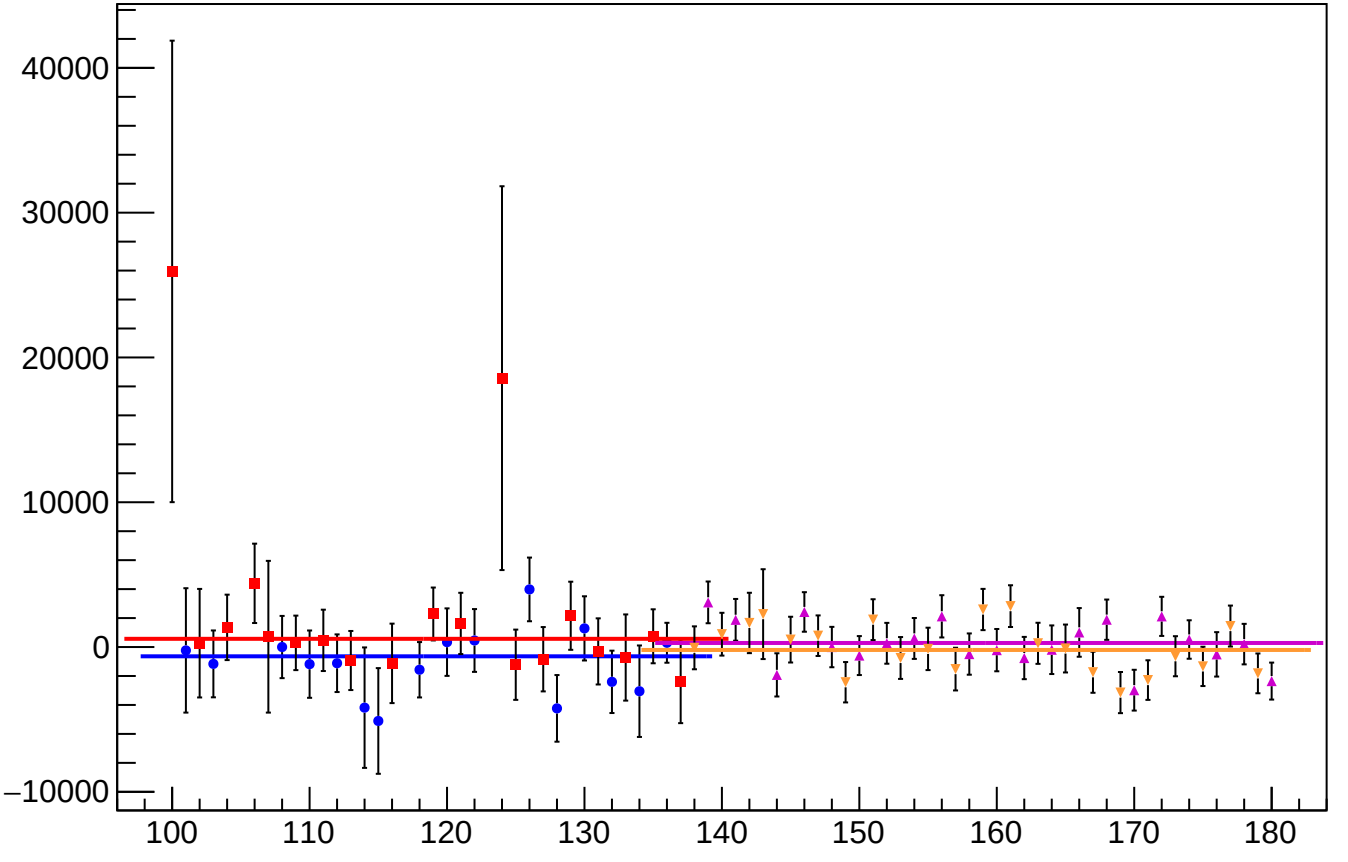
Left In: 274.828+/-0.050 χ^2/NDF:4012088.2/20

+ sign 270.706+/-0.044 χ^2/NDF: 11588931.6/37

All: 280.503+/-0.032 χ^2/NDF: 20976372.3/77

- 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: -202.303+/-315.585 χ^2/NDF:28.1/21

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

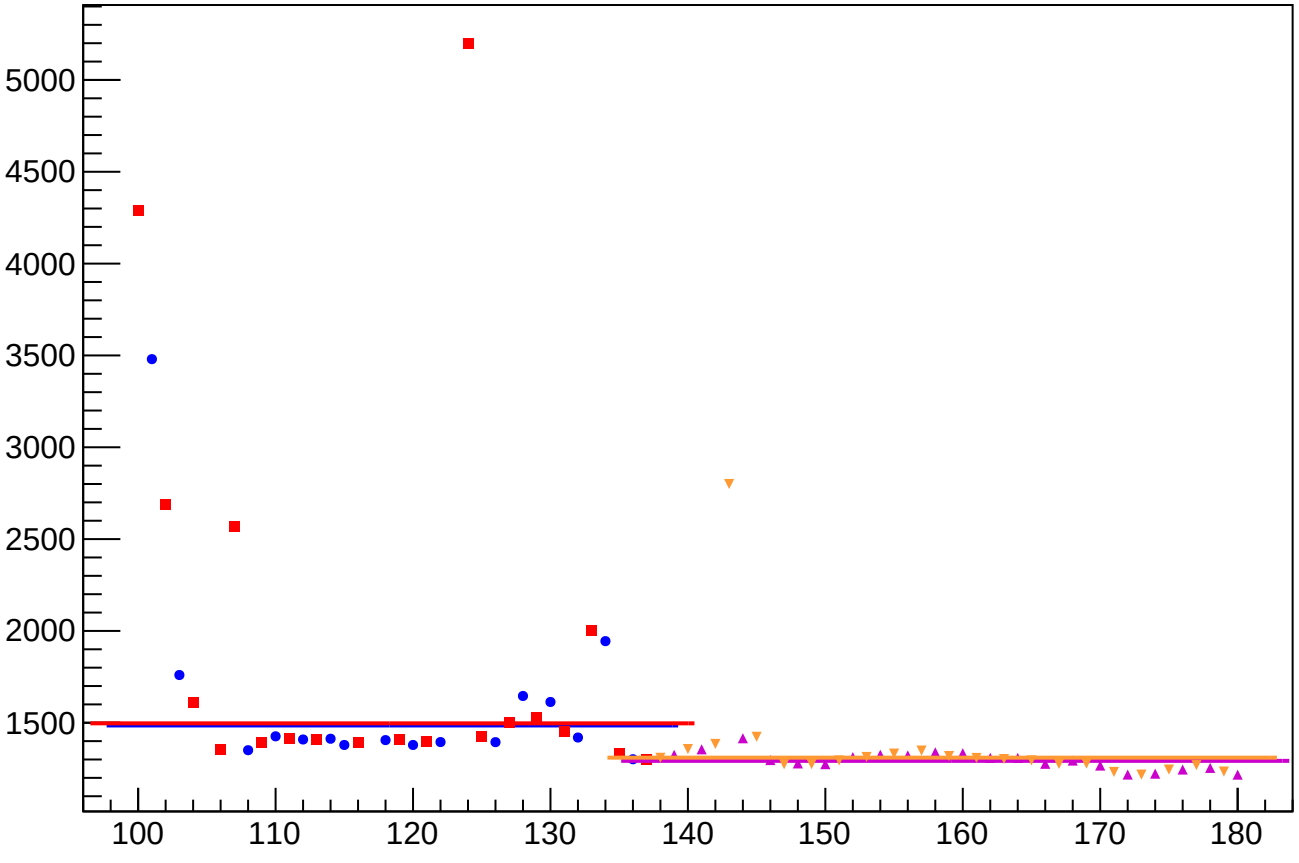
Left In: 280.507+/-311.407 χ^2/NDF:26.0/20

+ sign -306.760+/-275.445 χ^2/NDF: 41.0/37

All: 23.124+/-193.872 χ^2/NDF: 81.4/77

- 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: 1310.023+/-0.223 χ^2/NDF:510839.7/21

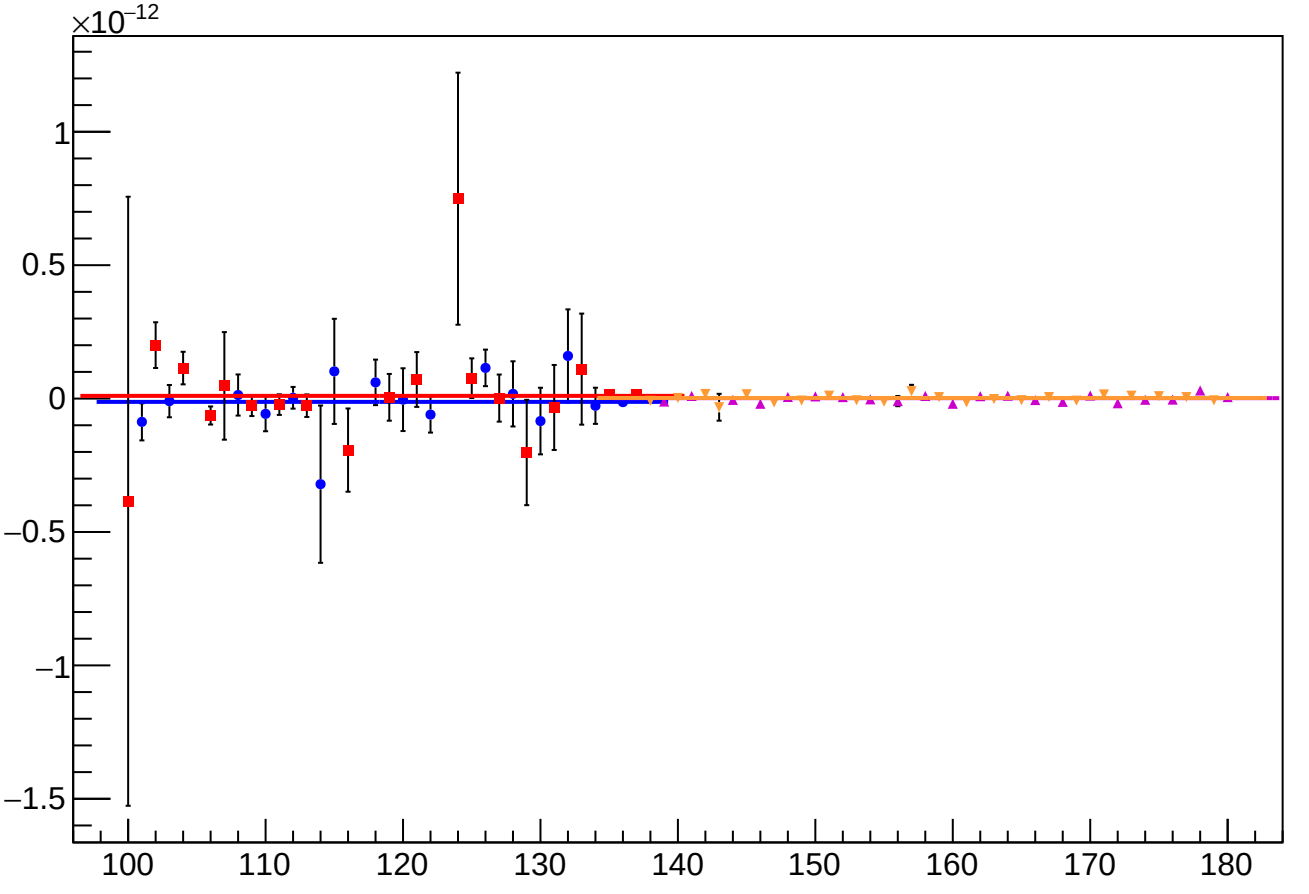
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.600+/-0.220 χ^2/NDF:48260.6/20

+ sign 1351.791+/-0.195 χ^2/NDF: 1242387.5/37

All: 1345.824+/-0.137 χ^2/NDF: 2115341.2/77

- 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:19.8/21

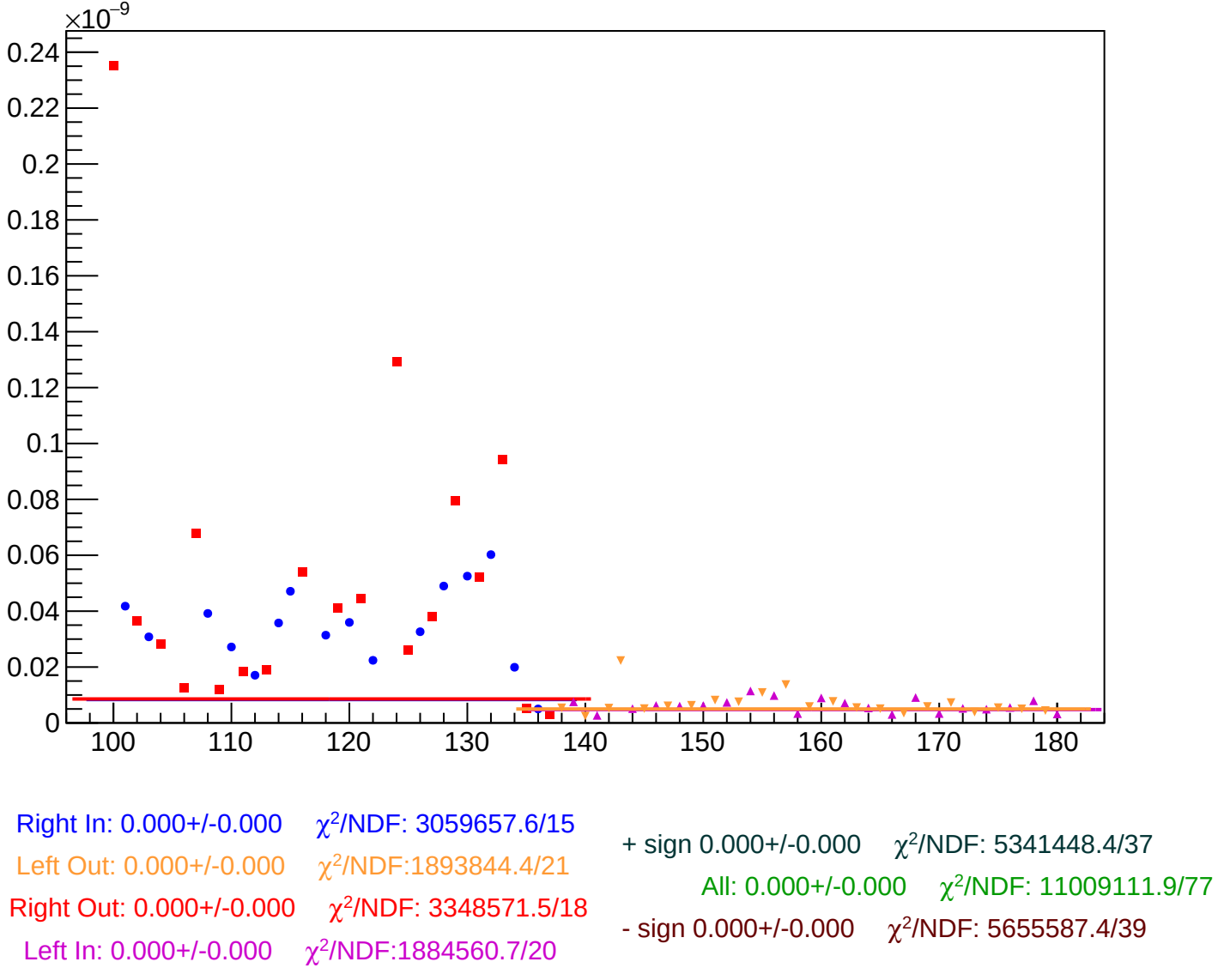
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

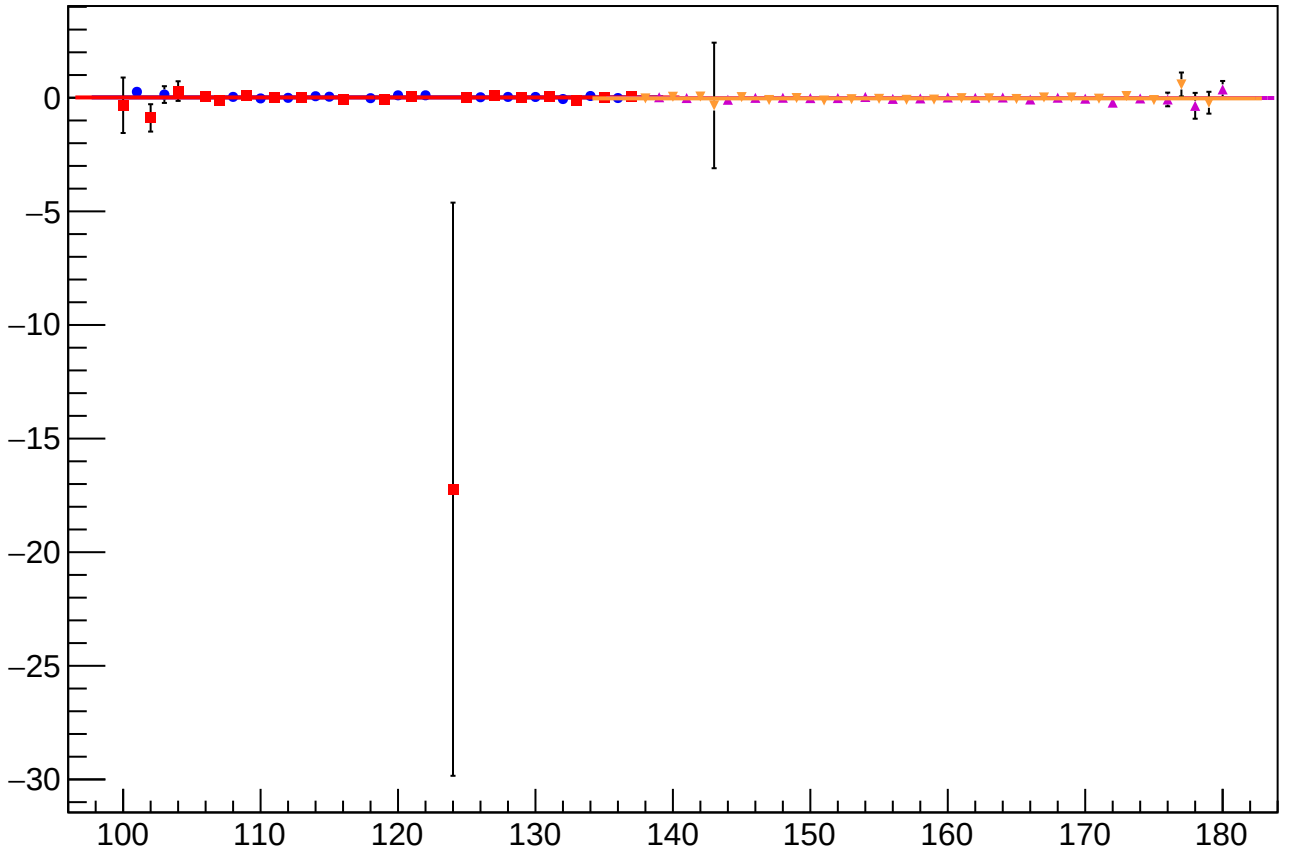
Left In: 0.000+/-0.000 χ^2/NDF:25.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/37

All: 0.000+/-0.000 χ^2/NDF: 81.6/77

- sign 0.000+/-0.000 χ^2/NDF: 48.7/39


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3059657.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1893844.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 3348571.5/18
Left In: 0.000+/-0.000 χ²/NDF:1884560.7/20
+ sign 0.000+/-0.000 χ²/NDF: 5341448.4/37
All: 0.000+/-0.000 χ²/NDF: 11009111.9/77
- sign 0.000+/-0.000 χ²/NDF: 5655587.4/39



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

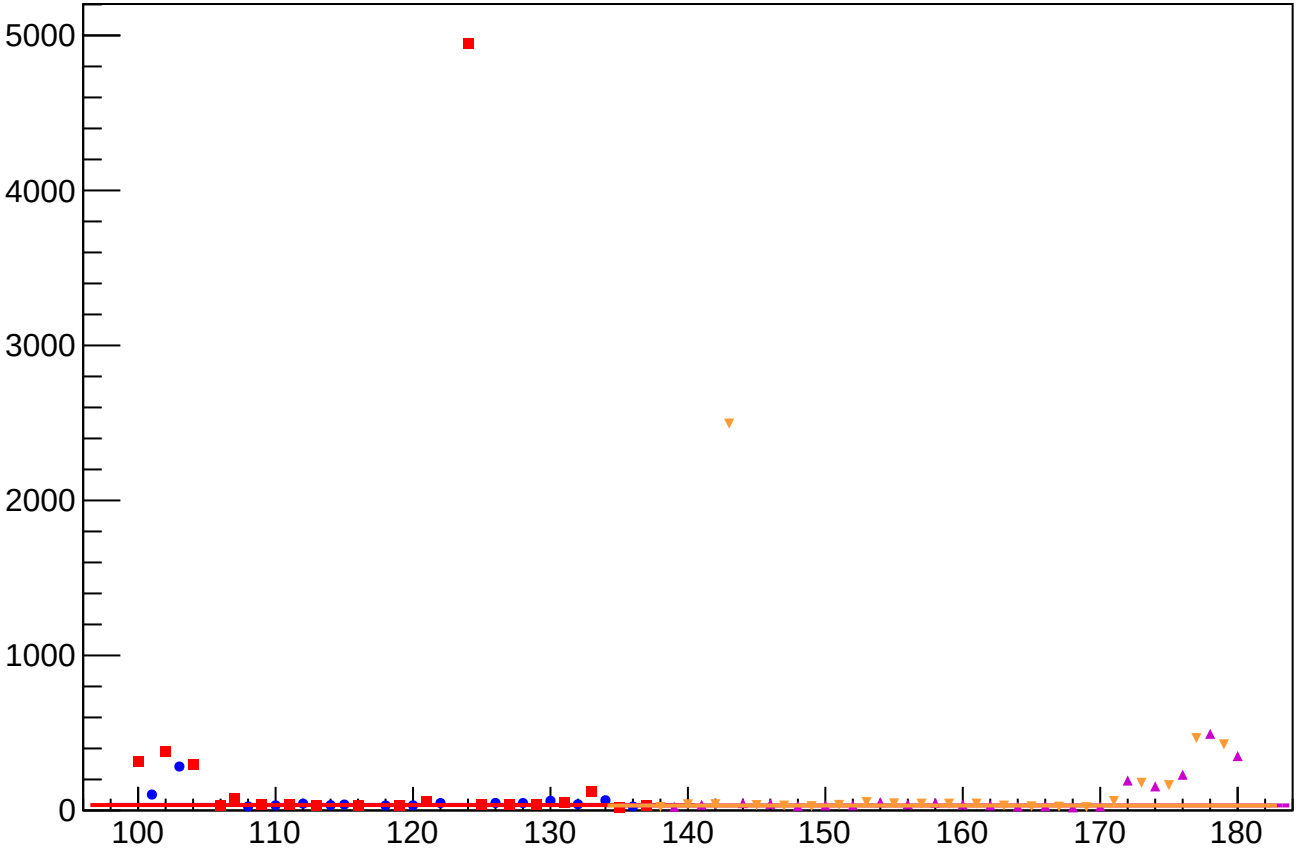
Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 73.6/77

- 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: 31.974+/-0.007 χ^2/NDF:8032902.7/21

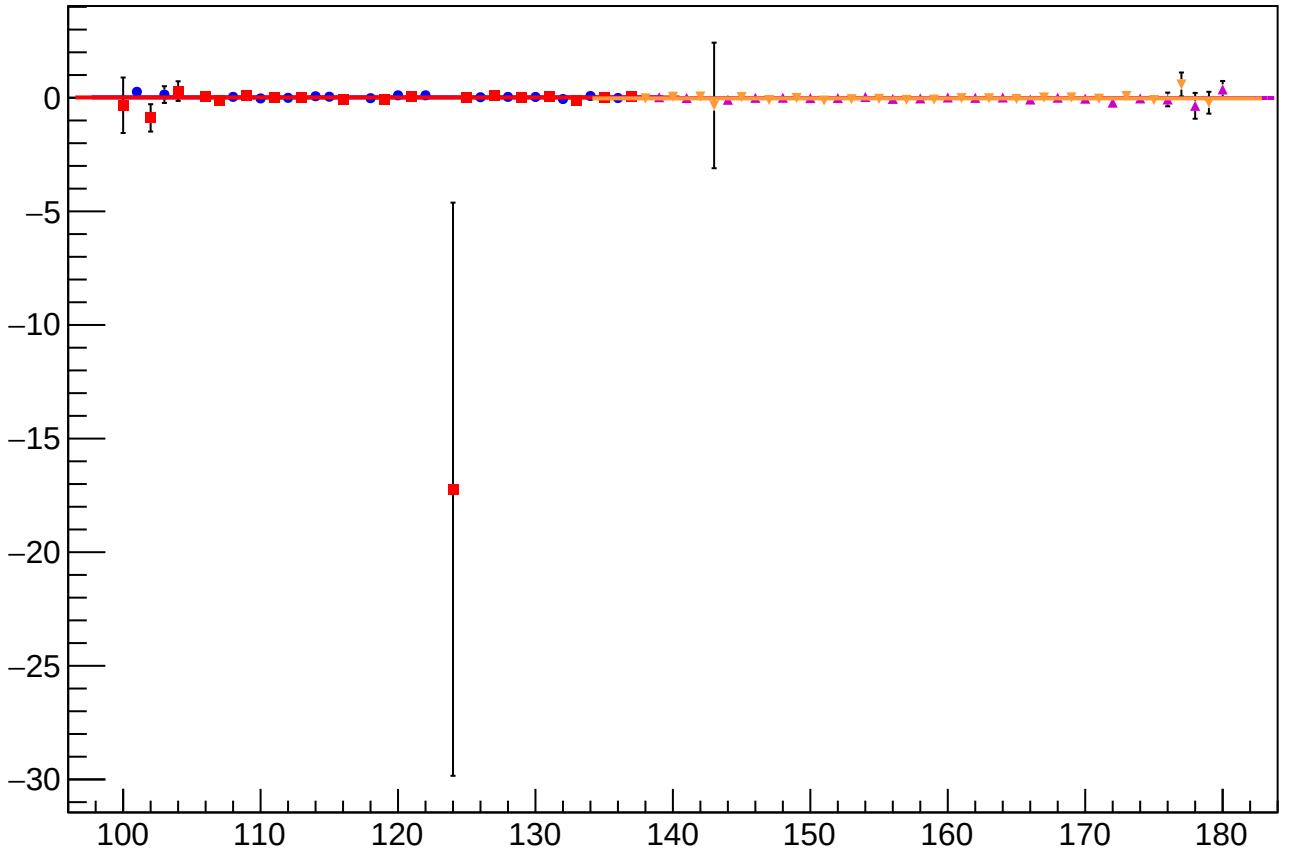
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

+ sign 33.013+/-0.006 χ^2/NDF: 10383887.1/37

All: 33.019+/-0.004 χ^2/NDF: 20756397.2/77

- 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: -0.027+/-0.010 χ^2/NDF:25.3/21

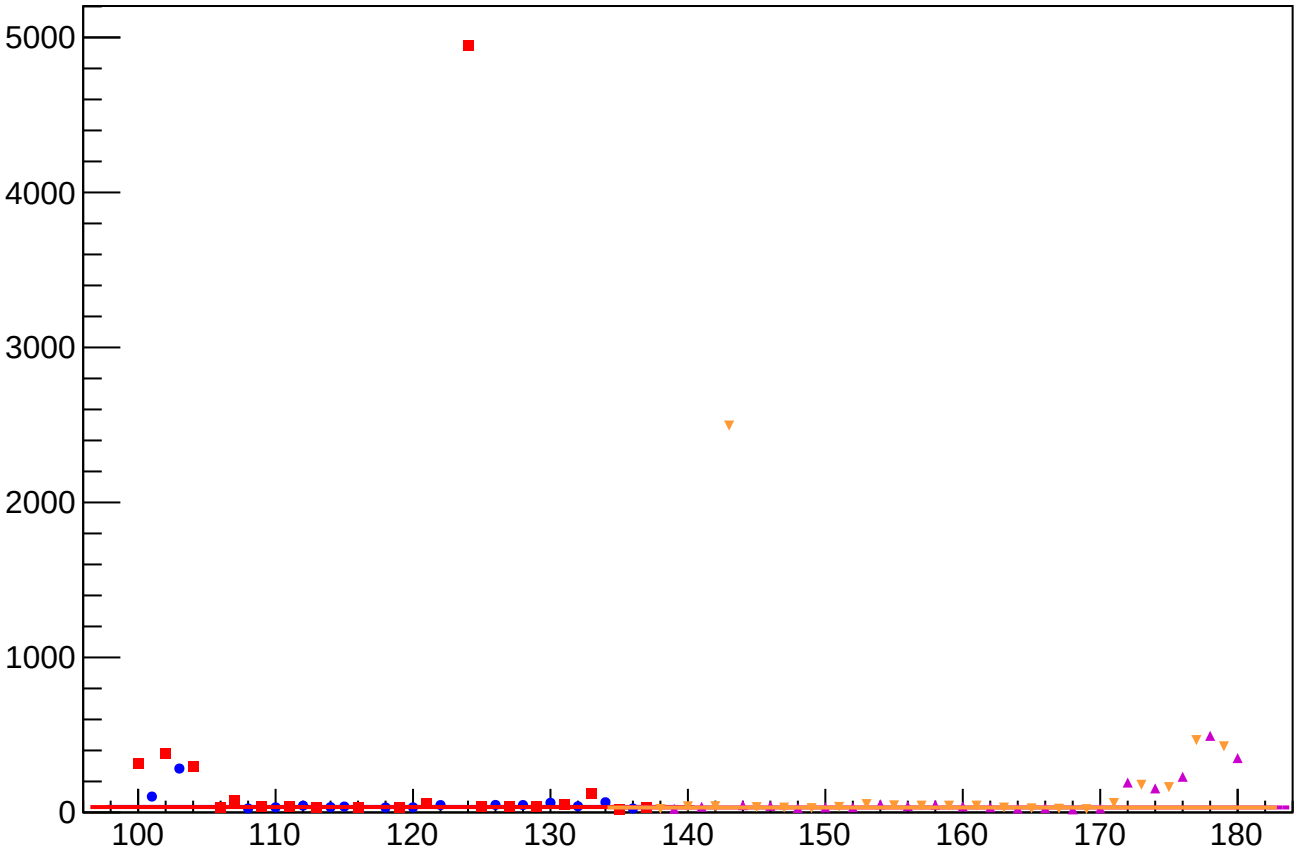
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 73.6/77

- 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: 31.974+/-0.007 χ^2/NDF:8032902.7/21

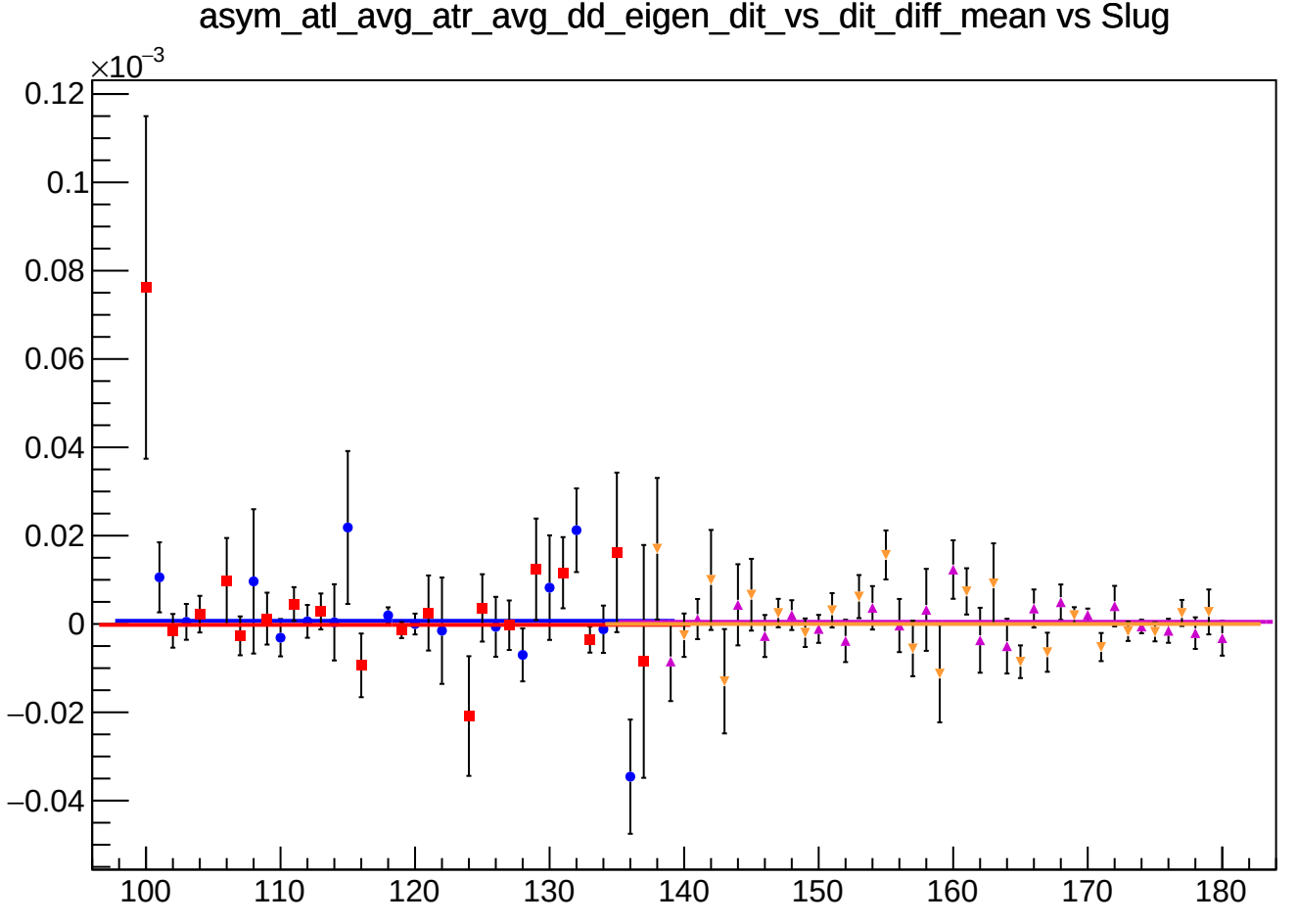
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

\+ sign 33.013+/-0.006 χ^2/NDF: 10383887.1/37

All: 33.019+/-0.004 χ^2/NDF: 20756397.2/77

\- 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:33.5/21

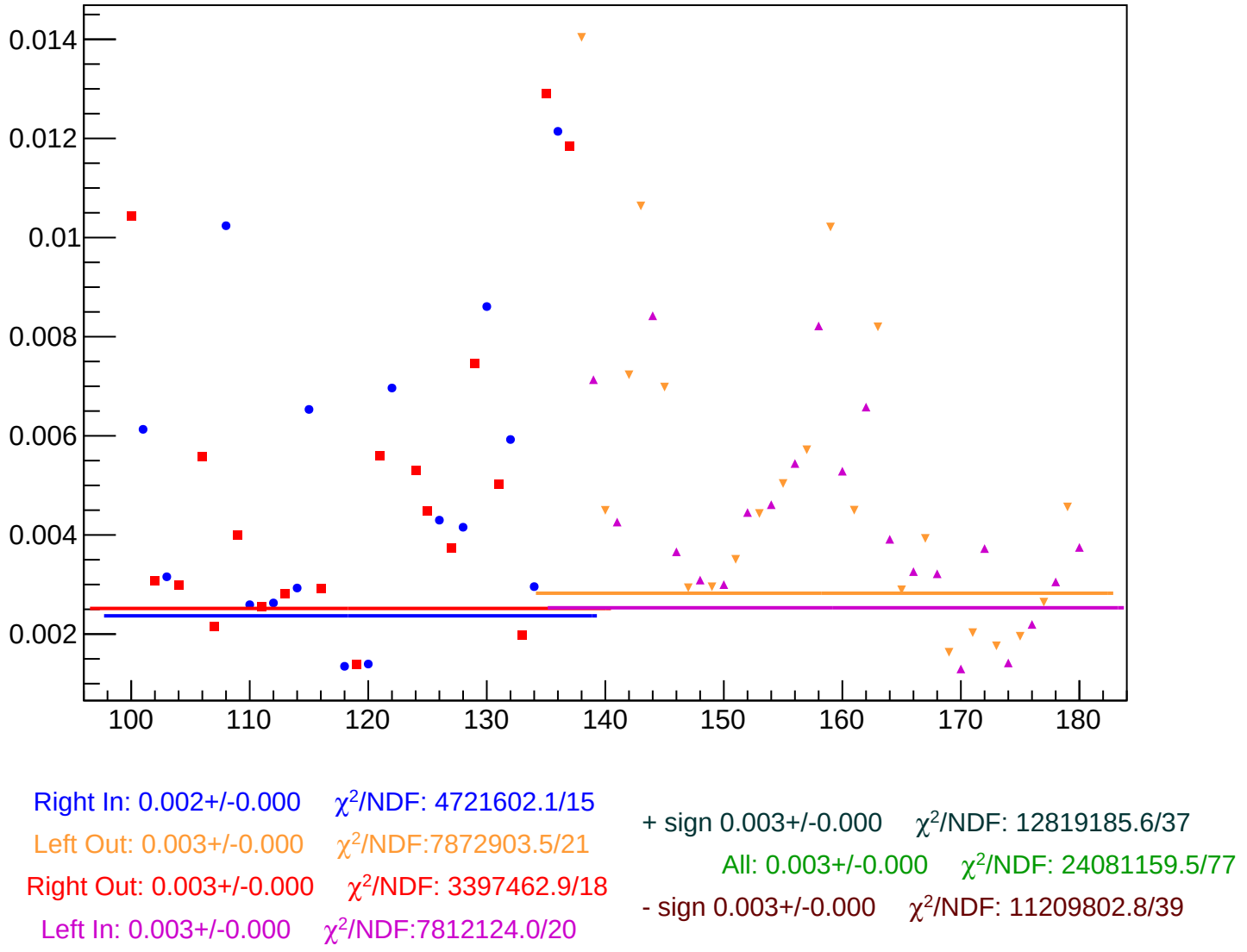
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

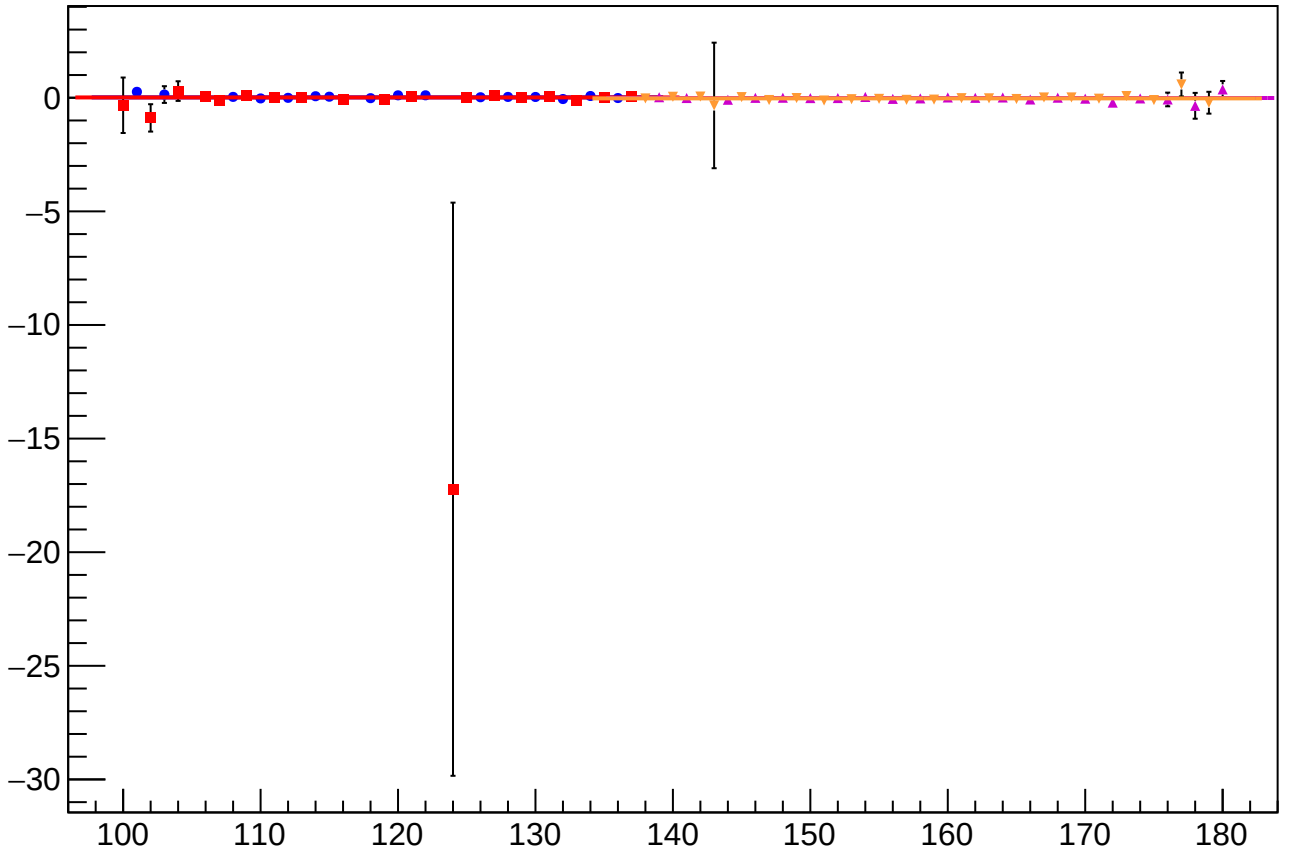
Left In: 0.000+/-0.000 χ^2/NDF:13.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 52.9/37

All: 0.000+/-0.000 χ^2/NDF: 84.9/77

- 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
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7872903.5/21
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.003+/-0.000 χ²/NDF:7812124.0/20
+ sign 0.003+/-0.000 χ²/NDF: 12819185.6/37
All: 0.003+/-0.000 χ²/NDF: 24081159.5/77
- sign 0.003+/-0.000 χ²/NDF: 11209802.8/39



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

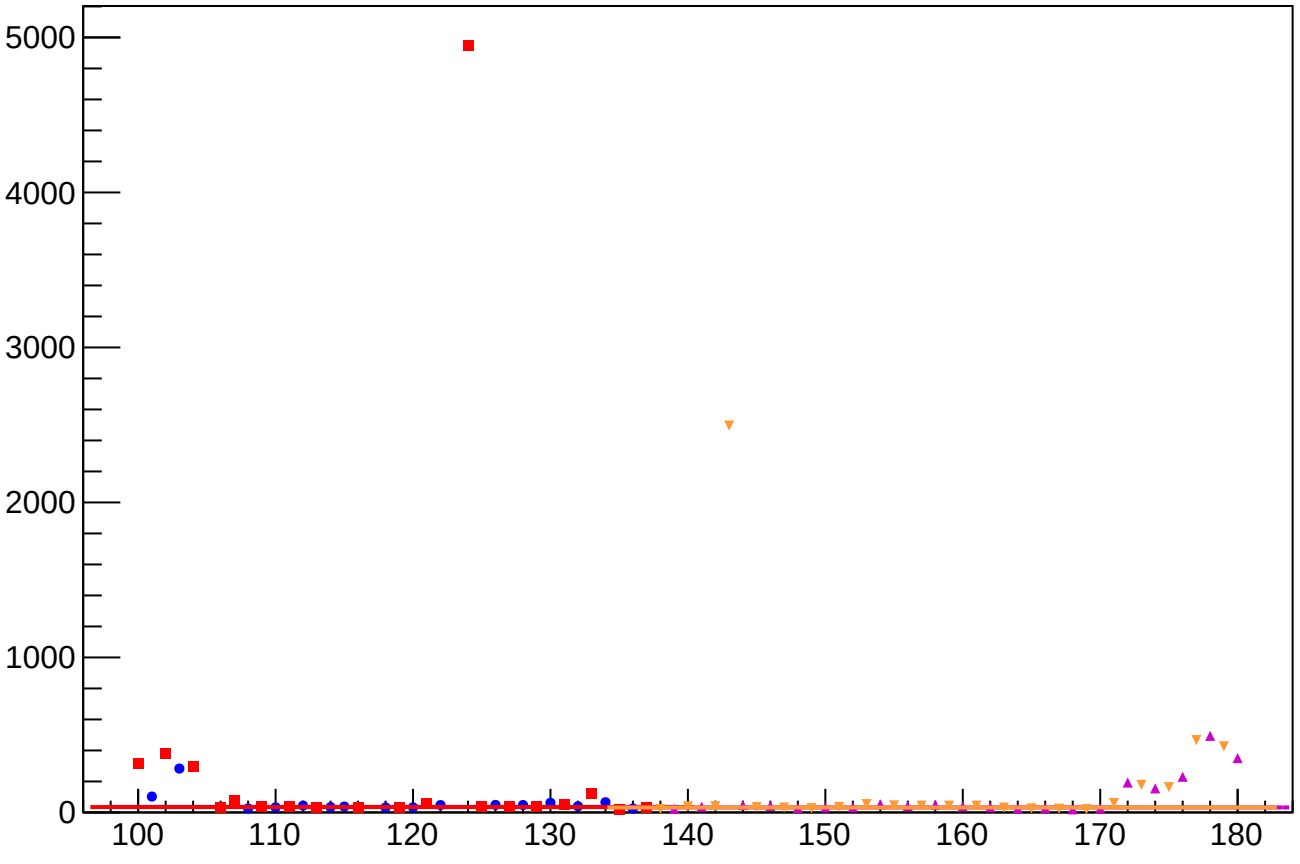
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 73.6/77

- 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: 31.974+/-0.007 χ^2/NDF:8033157.1/21

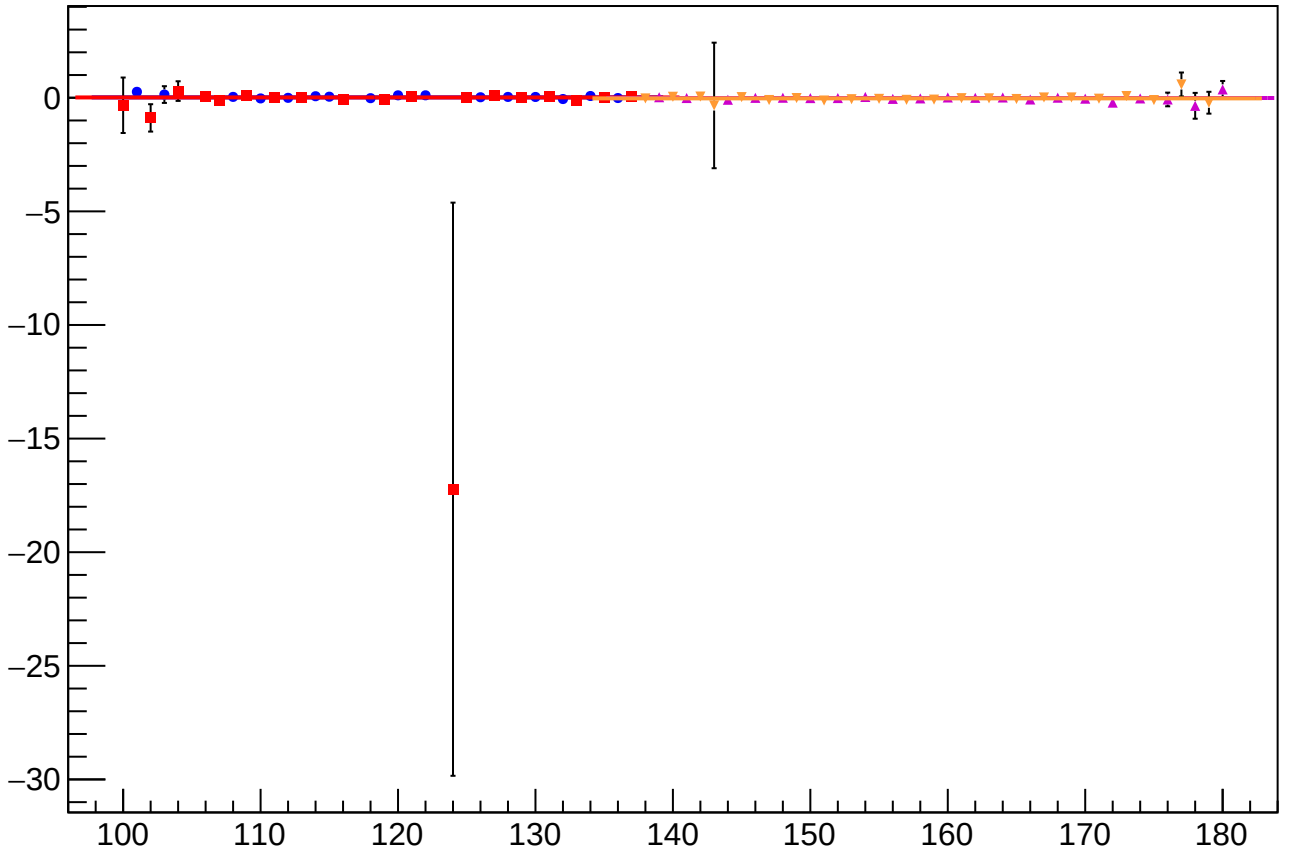
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

+ sign 33.013+/-0.006 χ^2/NDF: 10383940.6/37

All: 33.018+/-0.004 χ^2/NDF: 20756951.0/77

- 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: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

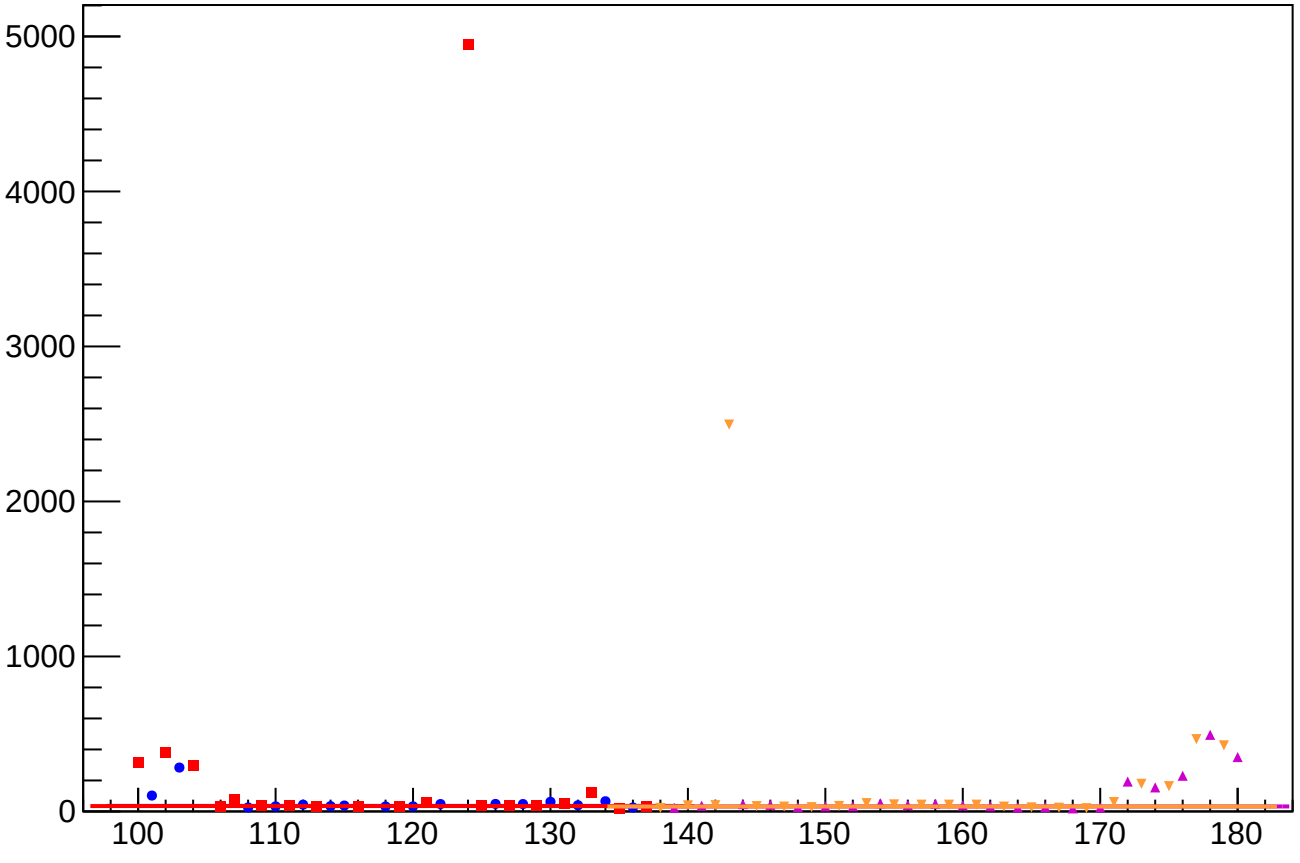
Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 73.6/77

- sign -0.005+/-0.008 χ^2/NDF: 30.0/39

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

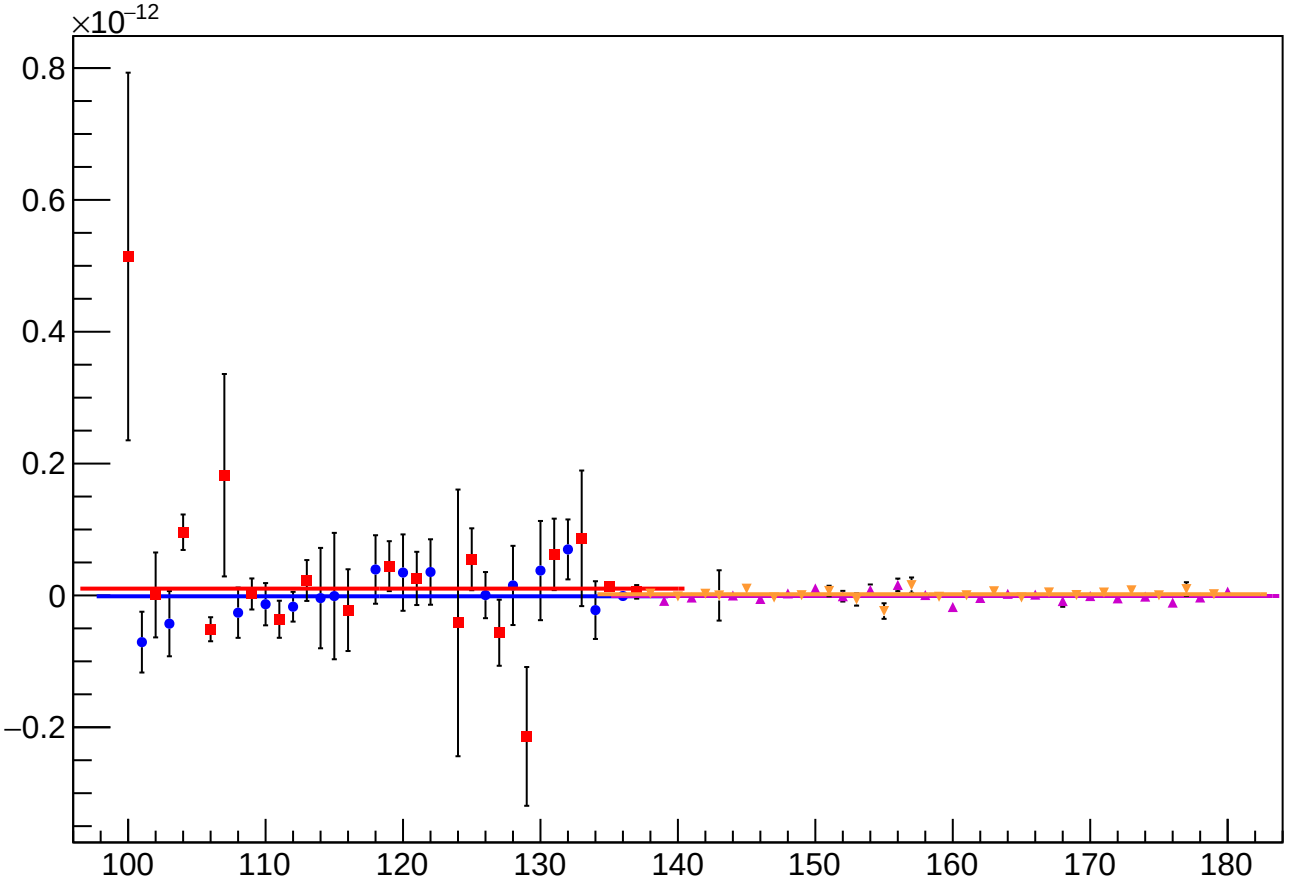
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

+ sign 33.013+/-0.006 χ^2/NDF: 10383940.6/37

All: 33.018+/-0.004 χ^2/NDF: 20756951.0/77

- 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:15.5/21

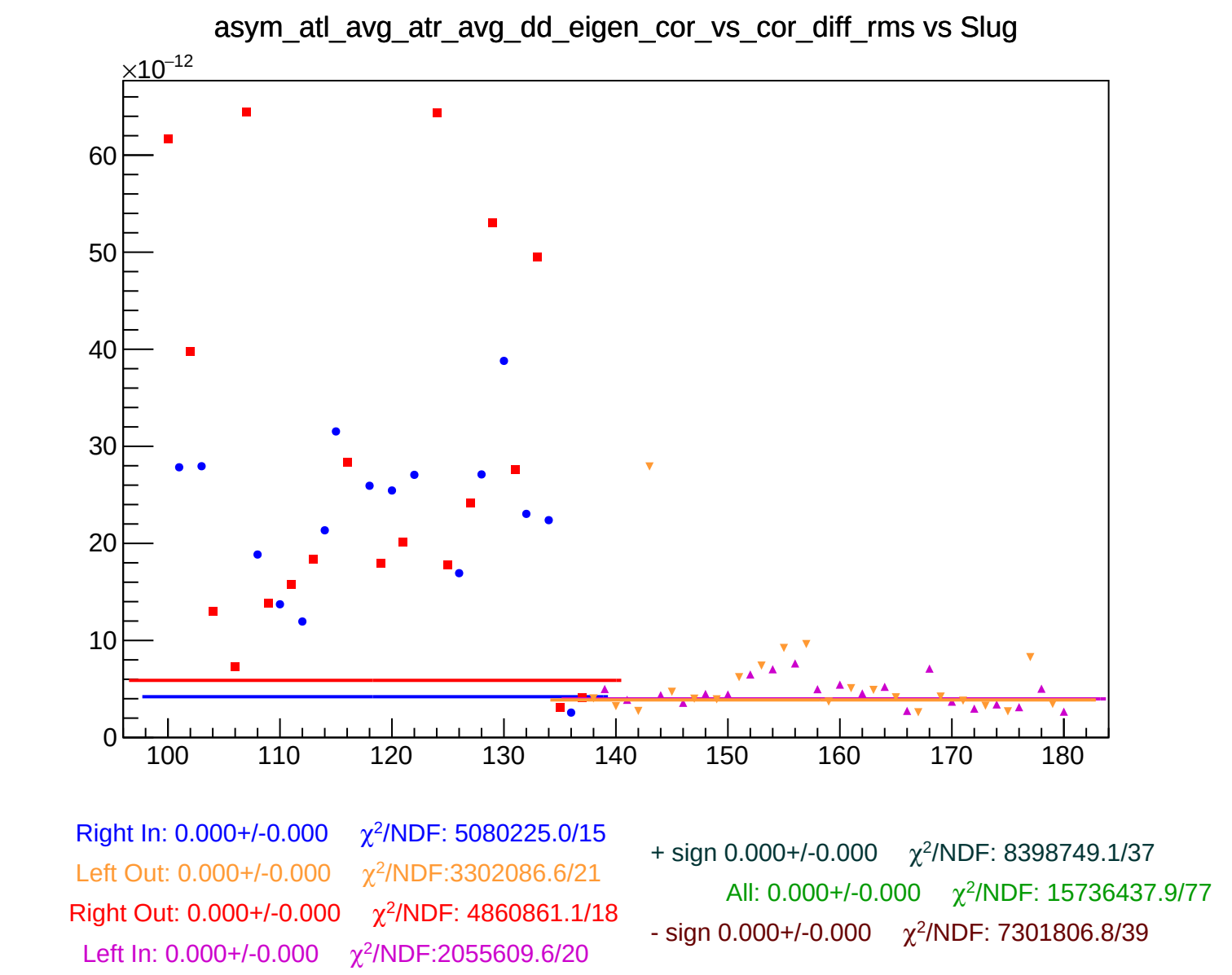
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:27.5/20

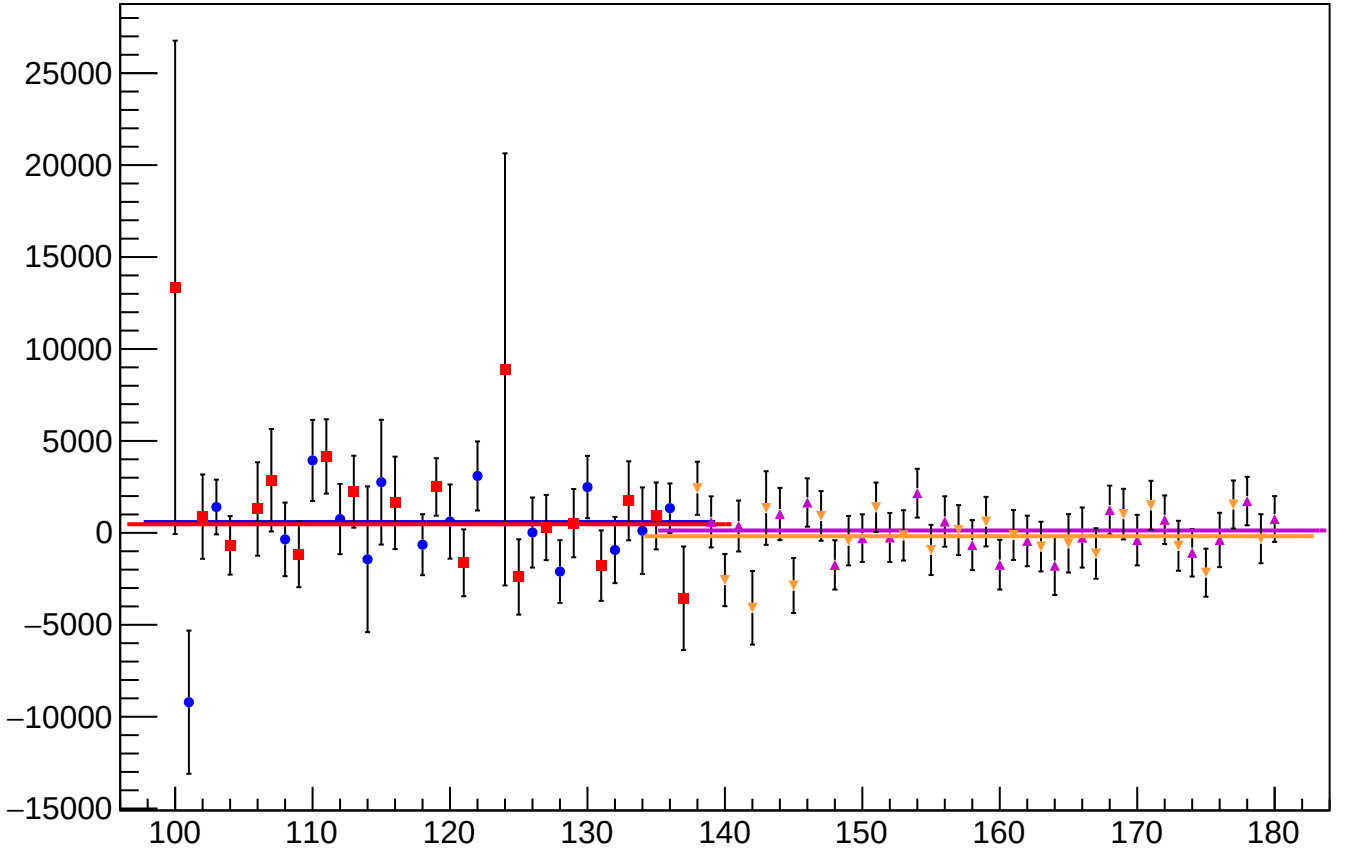
+ sign 0.000+/-0.000 χ^2/NDF: 24.8/37

All: 0.000+/-0.000 χ^2/NDF: 99.7/77

- 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:3302086.6/21
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: 8398749.1/37
All: 0.000+/-0.000 χ²/NDF: 15736437.9/77
- 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: -181.648+/-299.752 χ^2/NDF:23.7/21

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

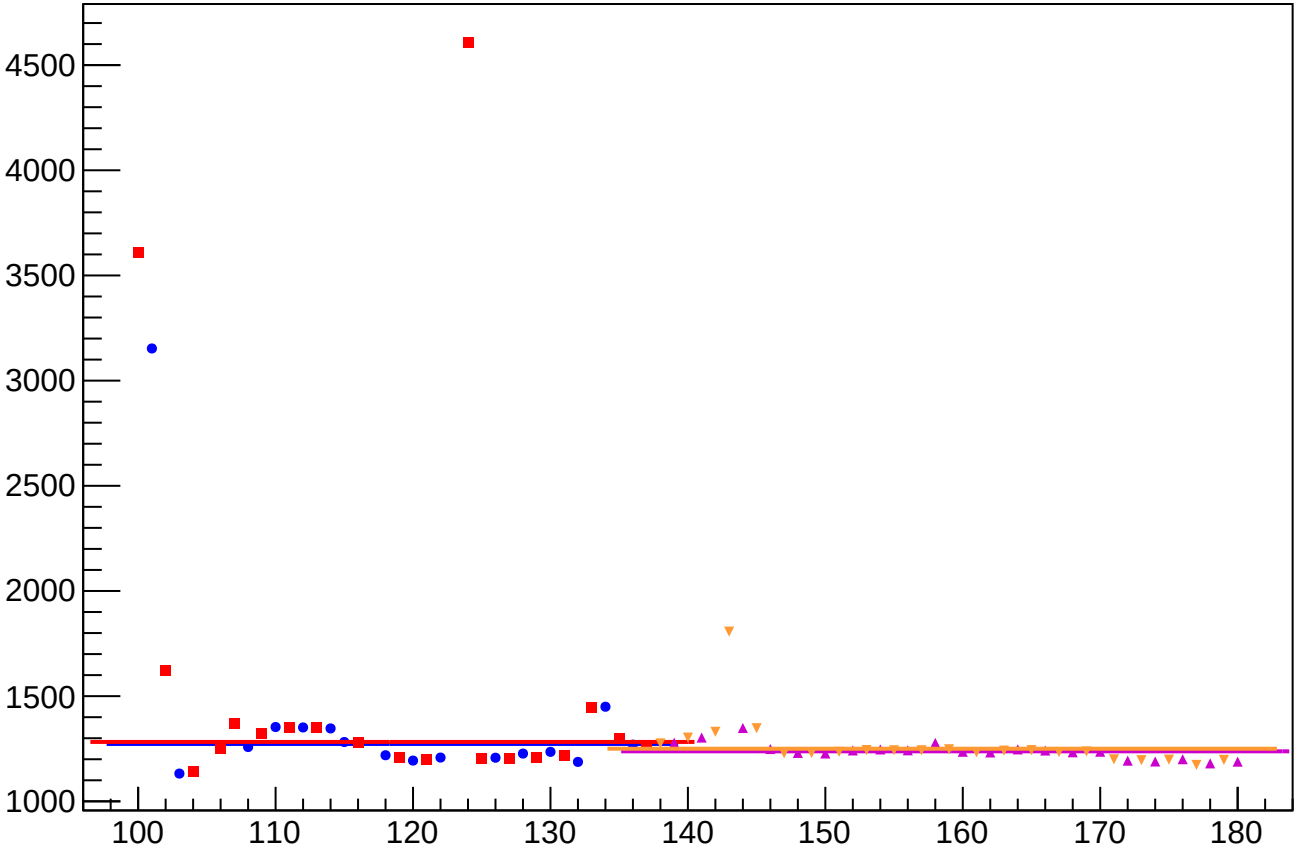
Left In: 130.678+/-298.110 χ^2/NDF:14.1/20

+ sign 32.423+/-254.608 χ^2/NDF: 42.6/37

All: 129.053+/-179.578 χ^2/NDF: 74.3/77

- 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: 1250.141+/-0.212 χ^2/NDF:191762.2/21

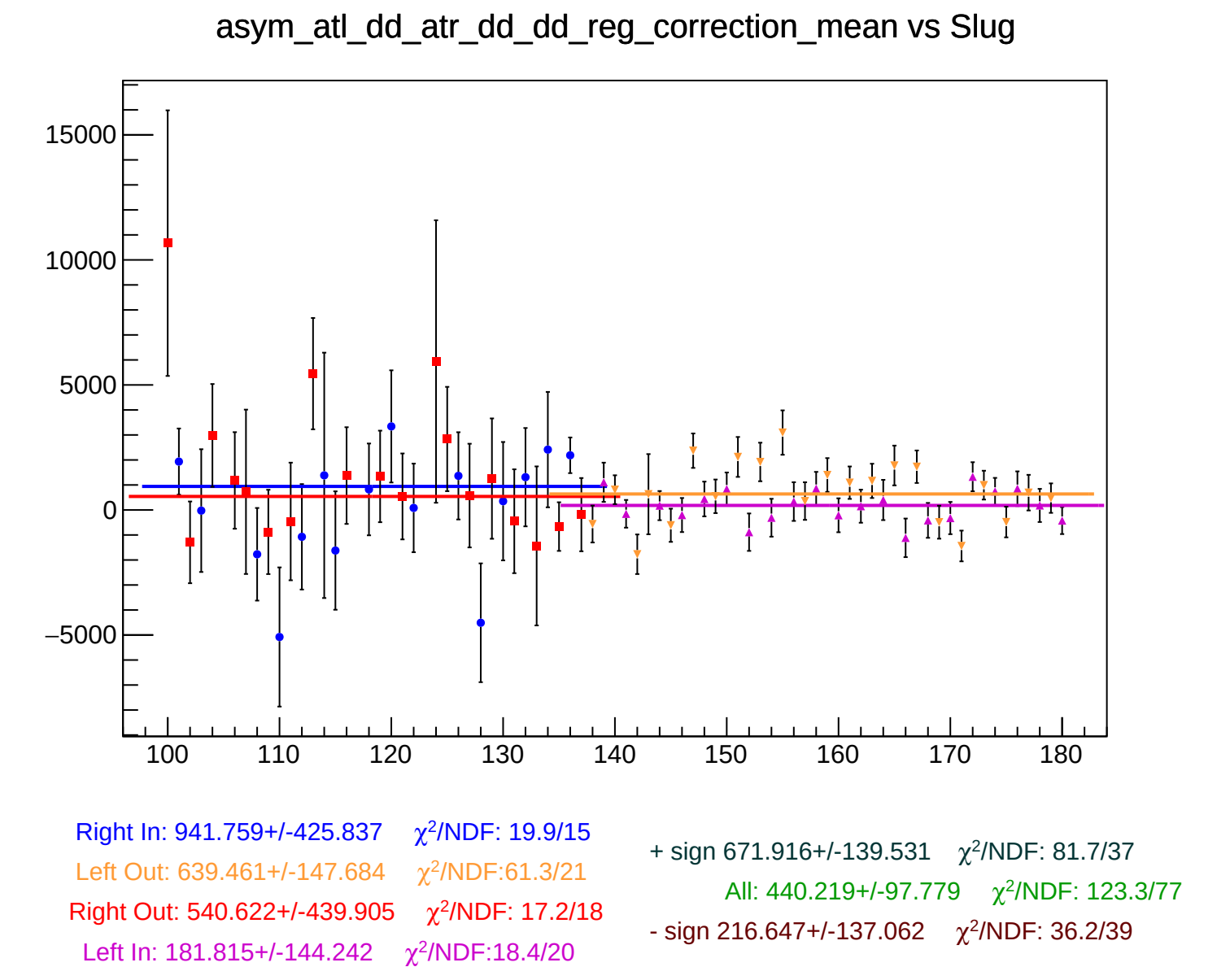
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

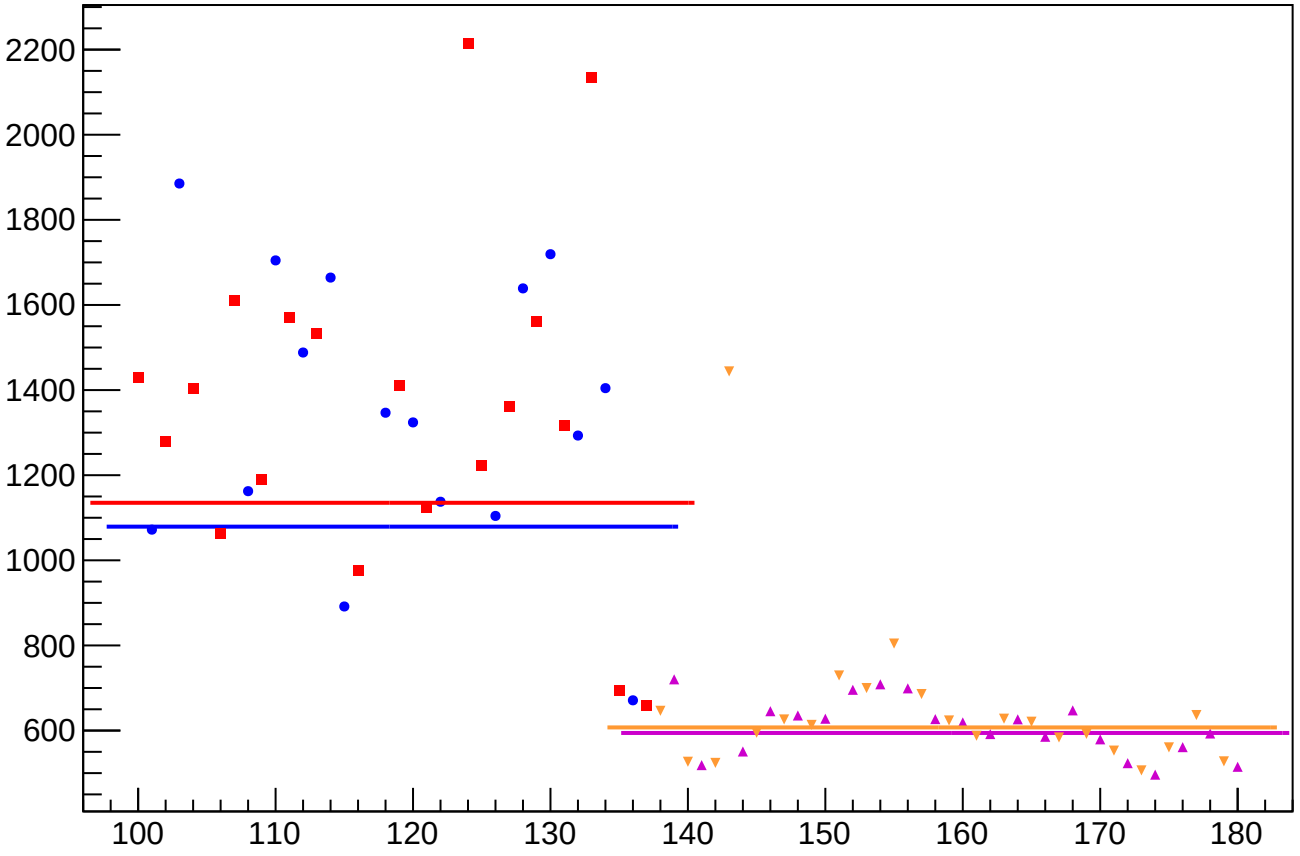
+ sign 1256.453+/-0.180 χ^2/NDF: 714244.8/37

All: 1253.269+/-0.127 χ^2/NDF: 1083318.7/77

- sign 1250.116+/-0.179 χ^2/NDF: 368451.3/39


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 639.461+/-147.684 χ²/NDF:61.3/21
Right Out: 540.622+/-439.905 χ²/NDF: 17.2/18
Left In: 181.815+/-144.242 χ²/NDF:18.4/20
+ sign 671.916+/-139.531 χ²/NDF: 81.7/37
All: 440.219+/-97.779 χ²/NDF: 123.3/77
- sign 216.647+/-137.062 χ²/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: 607.354+/-0.104 χ^2/NDF:947145.7/21

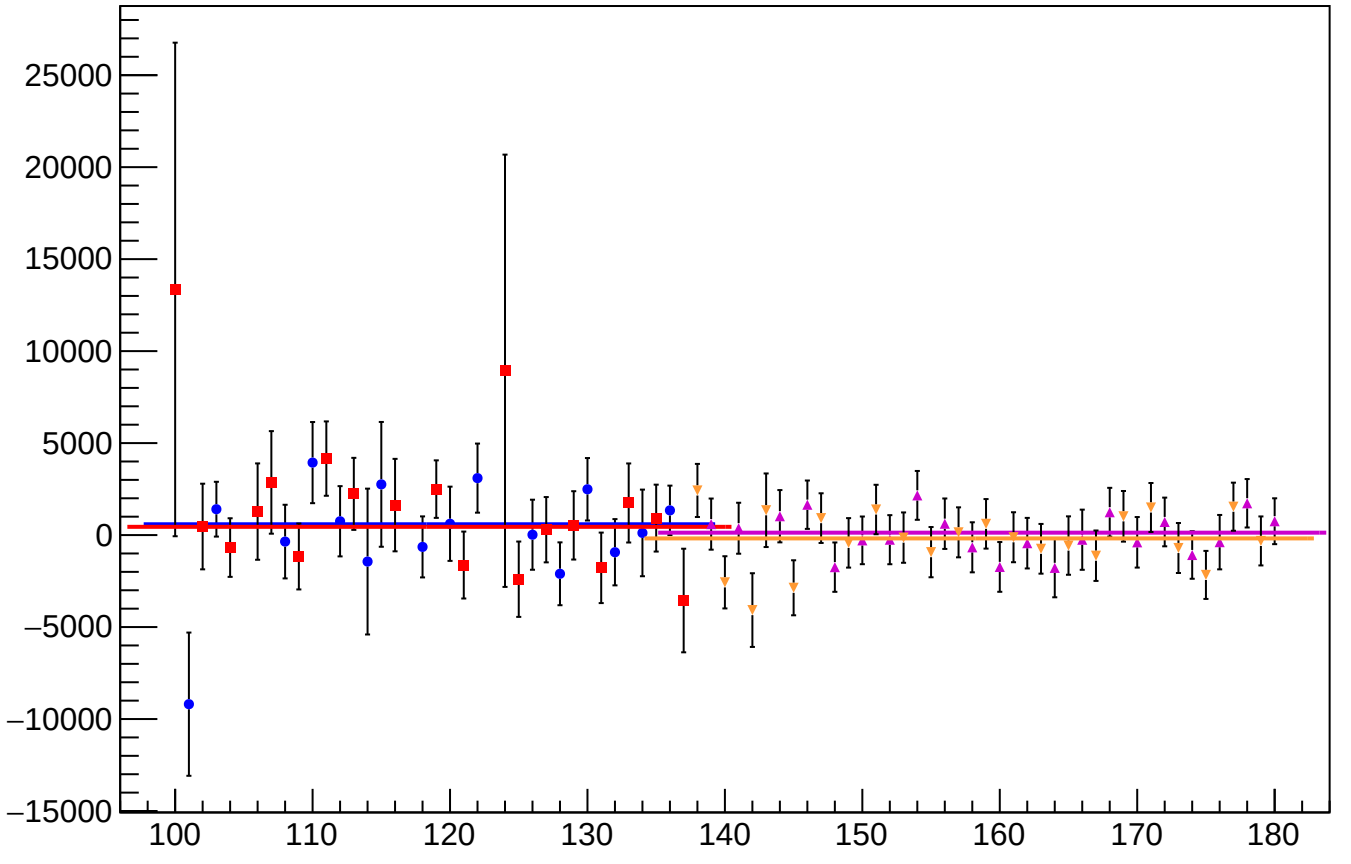
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 594.333+/-0.102 χ^2/NDF:409041.5/20

+ sign 658.004+/-0.099 χ^2/NDF: 4620524.0/37

All: 652.320+/-0.069 χ^2/NDF: 9058661.3/77

- 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: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

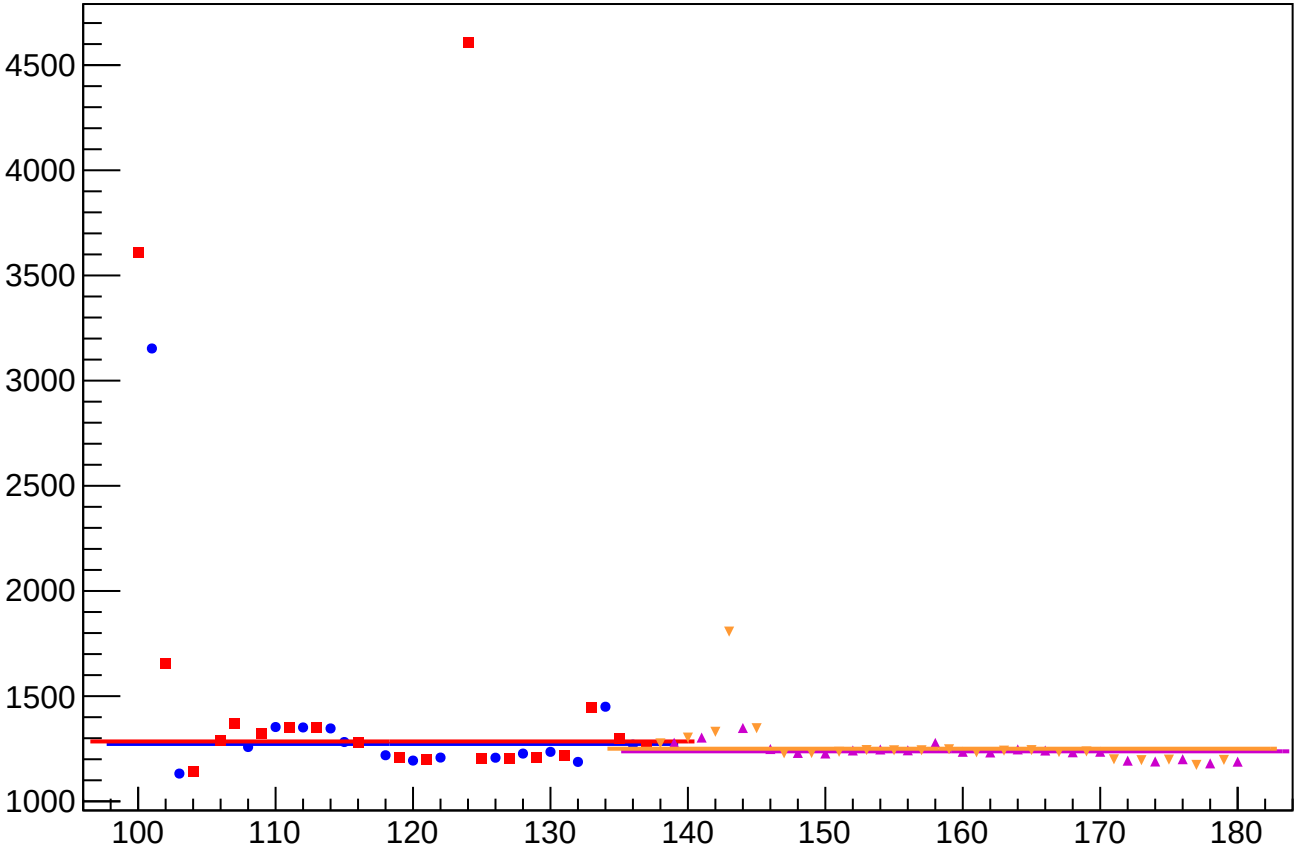
Left In: 130.707+/-298.110 χ^2/NDF:14.1/20

\+ sign 32.488+/-254.608 χ^2/NDF: 42.6/37

All: 126.066+/-179.620 χ^2/NDF: 74.1/77

\- 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: 1250.141+/-0.212 χ^2/NDF:191762.2/21

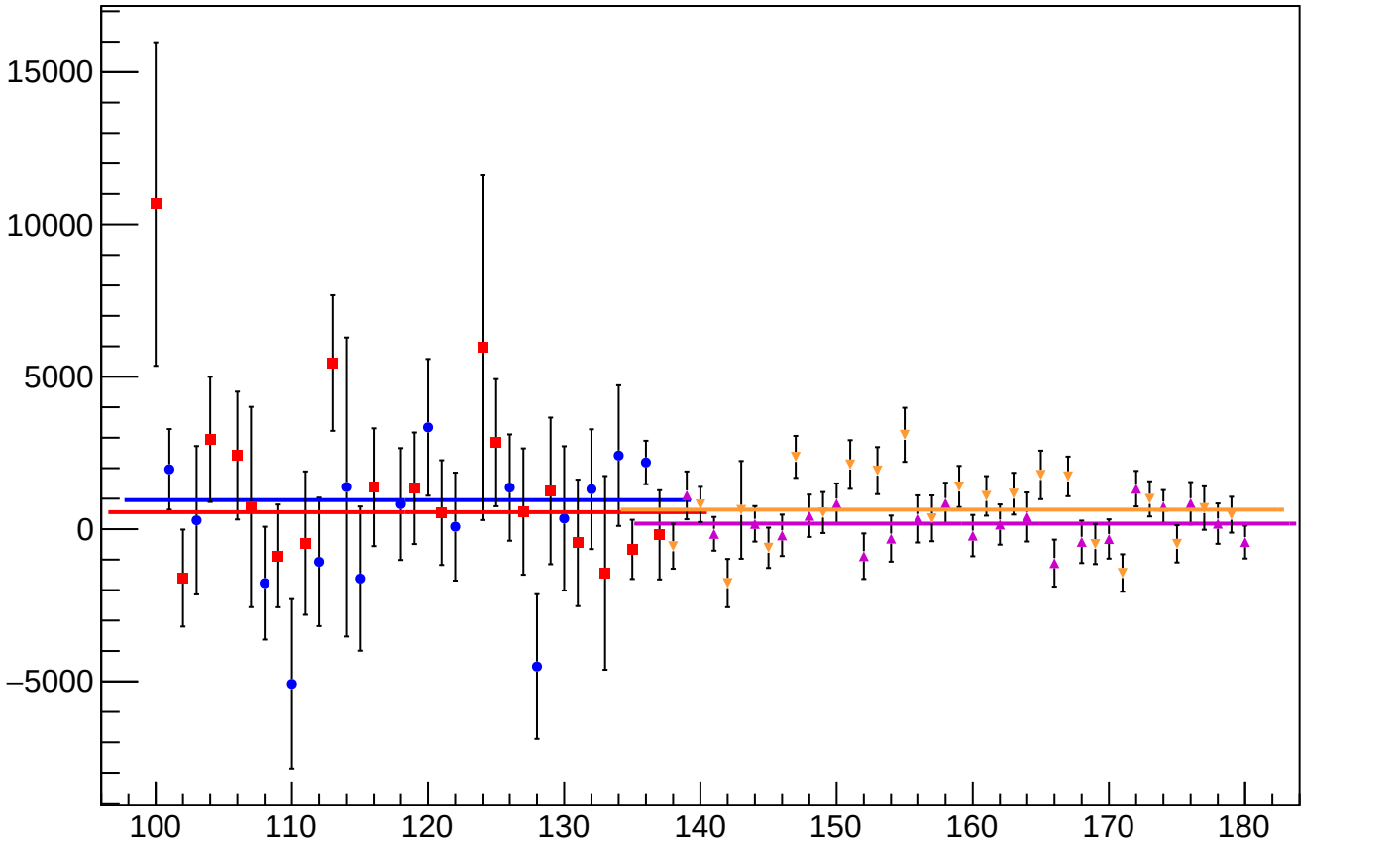
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1256.453+/-0.180 χ^2/NDF: 714246.2/37

All: 1253.574+/-0.127 χ^2/NDF: 1091141.0/77

- 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: 639.504+/-147.684 χ^2/NDF:61.3/21

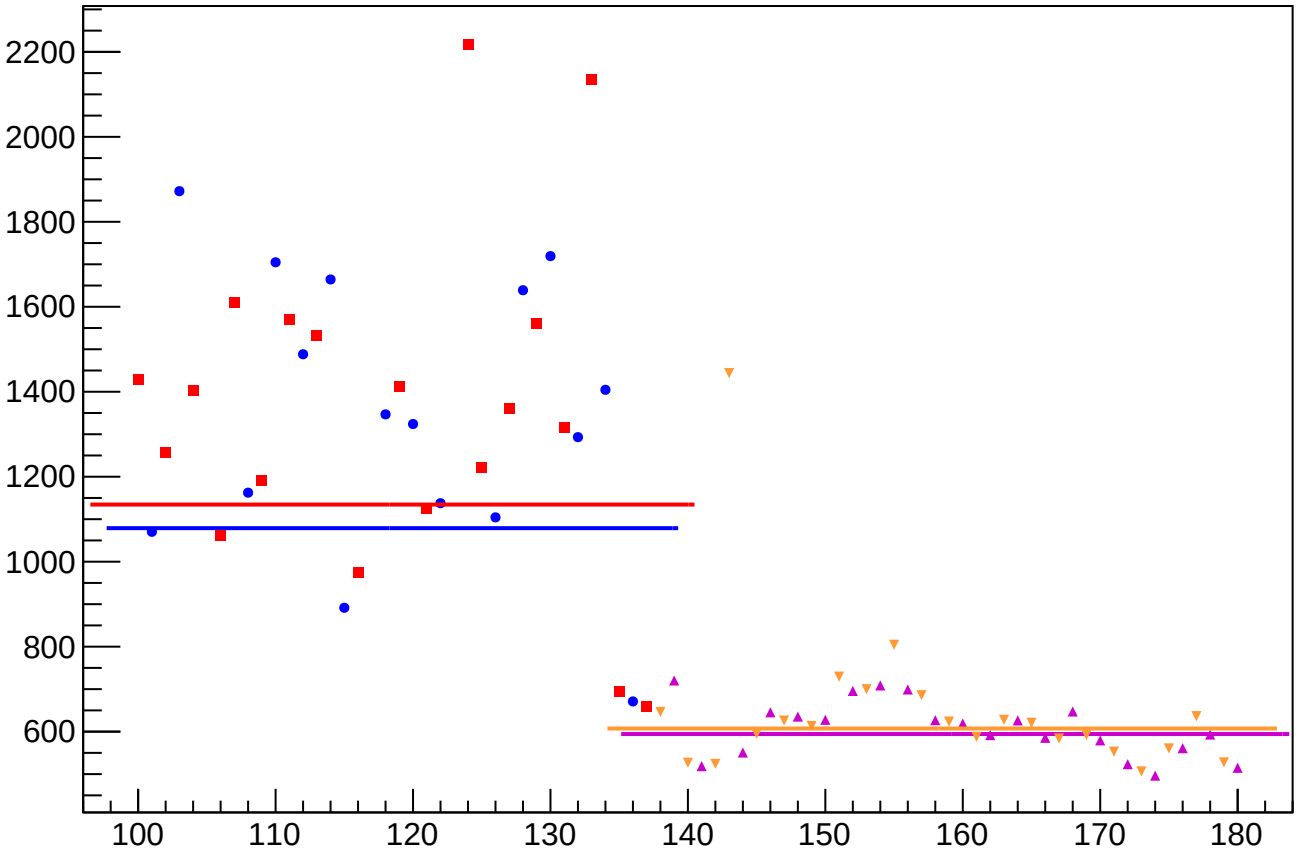
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.785+/-144.242 χ^2/NDF:18.4/20

+ sign 673.310+/-139.525 χ^2/NDF: 81.6/37

All: 441.731+/-97.786 χ^2/NDF: 124.5/77

- 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: 607.355+/-0.104 χ^2/NDF:947134.5/21

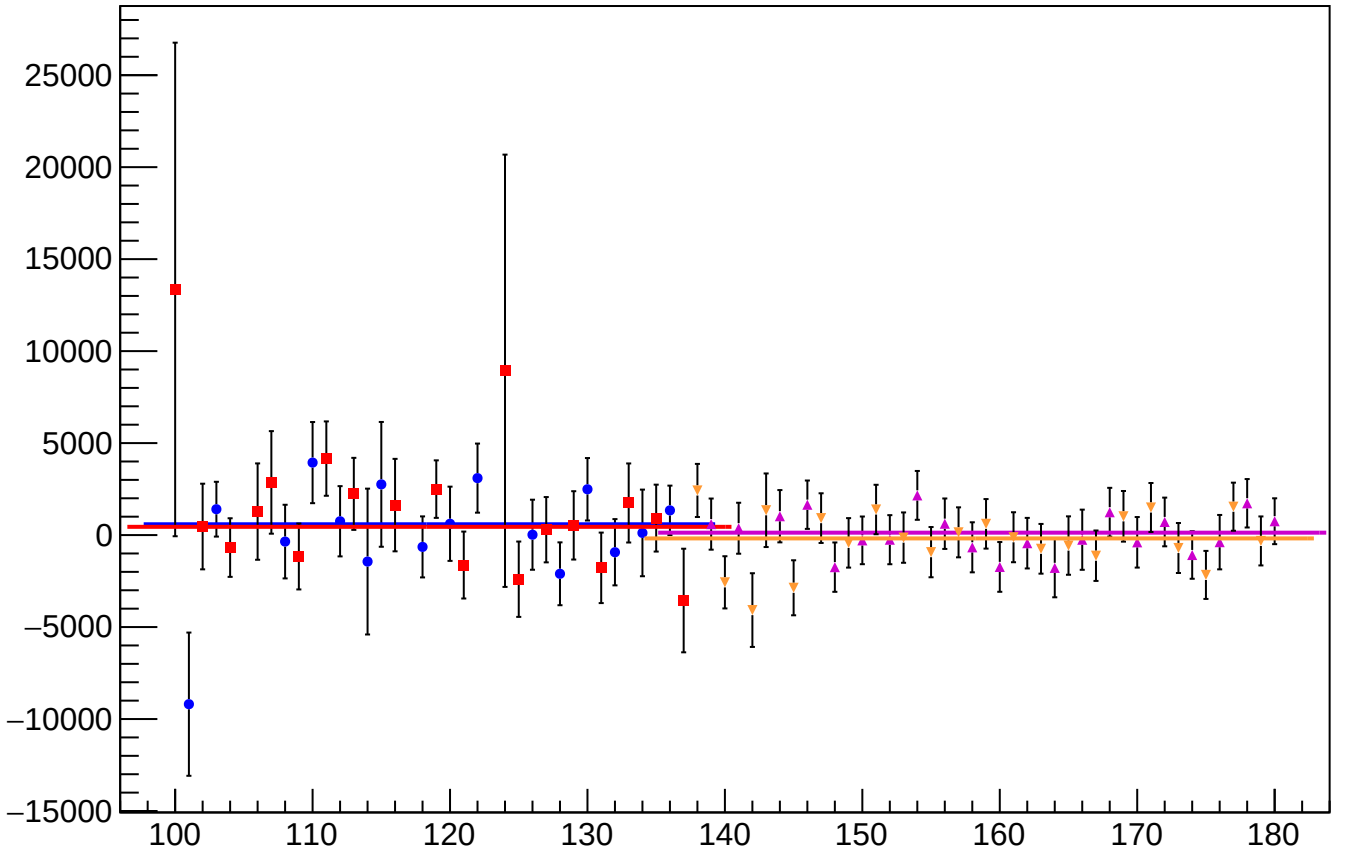
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

+ sign 658.022+/-0.099 χ^2/NDF: 4616870.1/37

All: 652.199+/-0.069 χ^2/NDF: 9034295.9/77

- 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: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

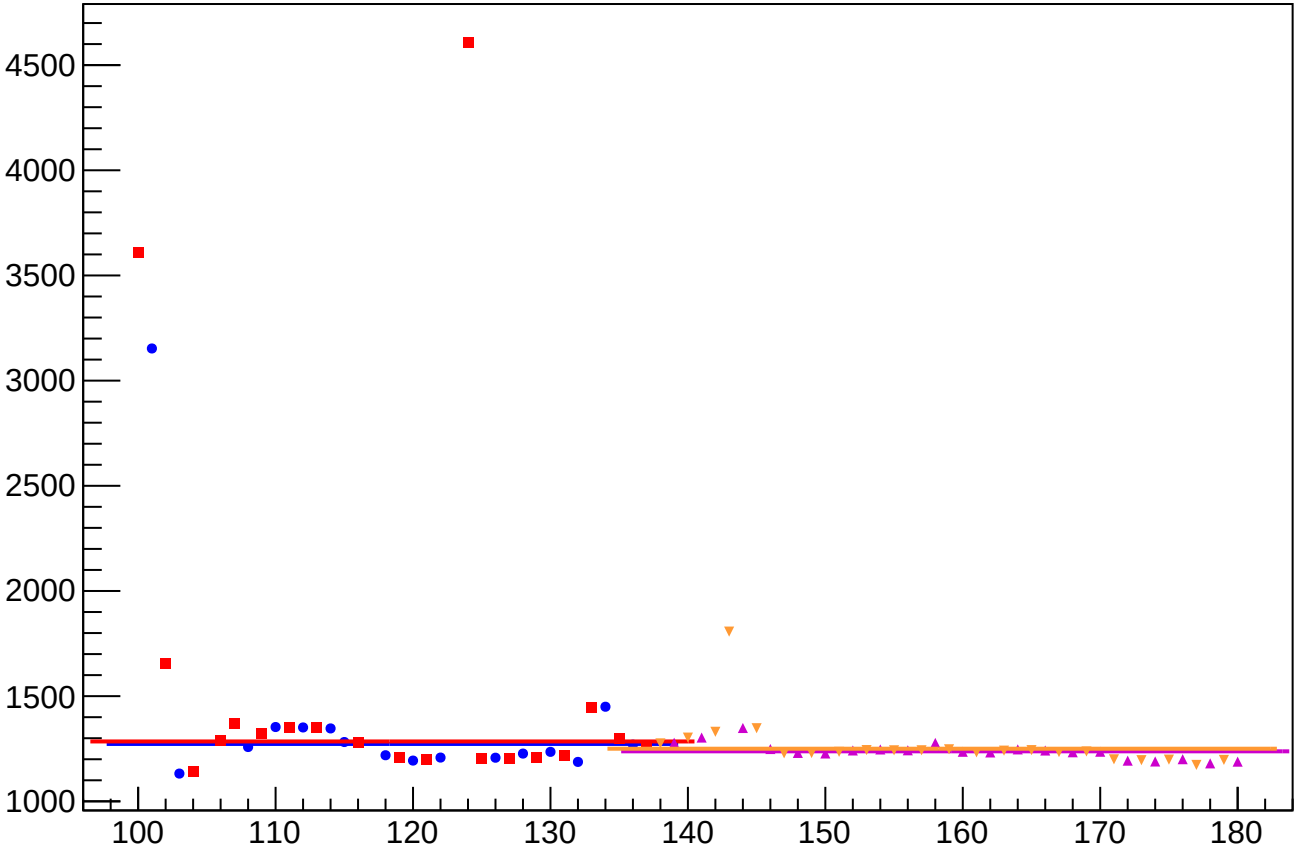
Left In: 130.707+/-298.110 χ^2/NDF:14.1/20

\+ sign 32.488+/-254.608 χ^2/NDF: 42.6/37

All: 126.066+/-179.620 χ^2/NDF: 74.1/77

\- 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: 1250.141+/-0.212 χ^2/NDF:191762.2/21

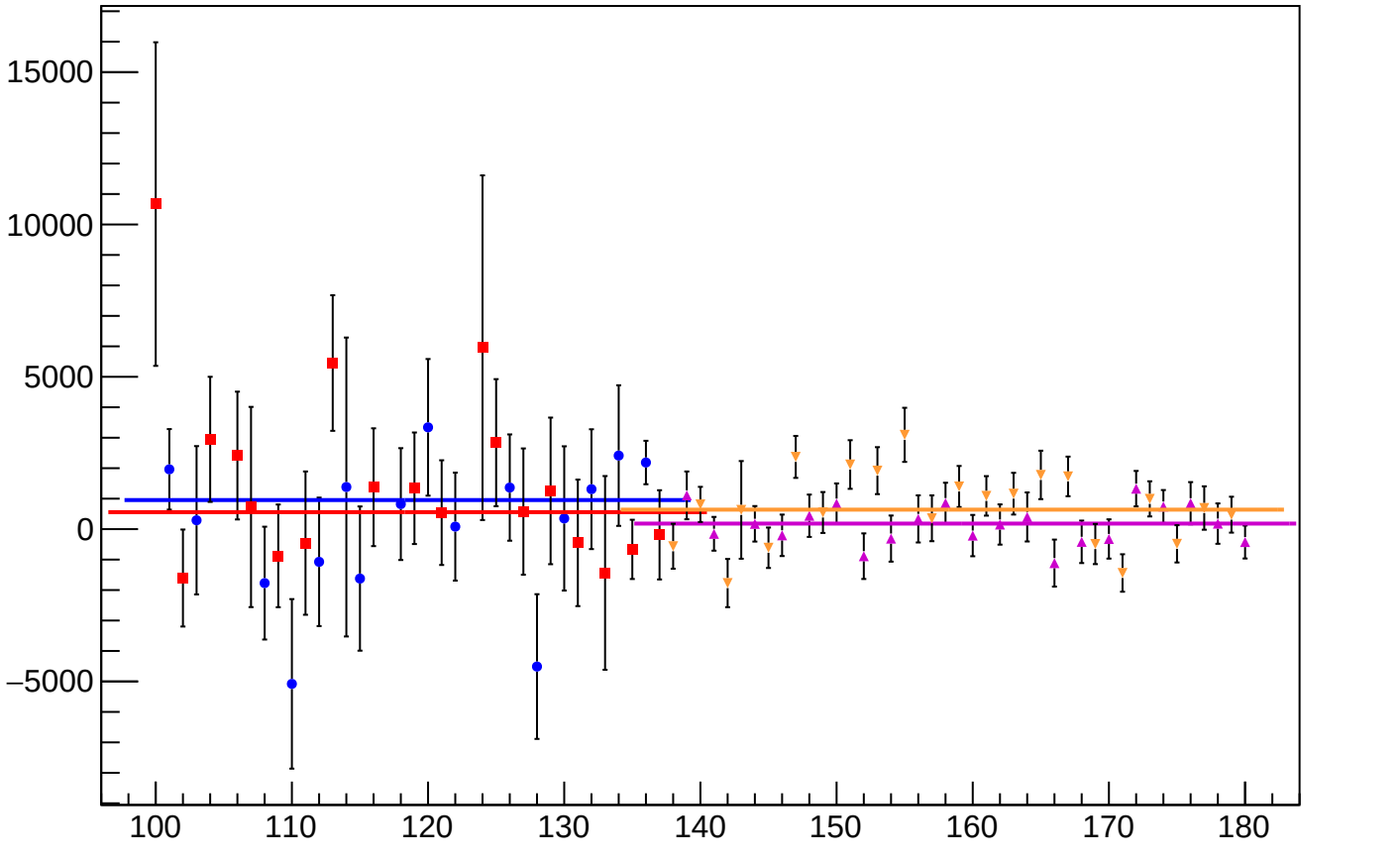
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1256.453+/-0.180 χ^2/NDF: 714246.2/37

All: 1253.574+/-0.127 χ^2/NDF: 1091141.0/77

- 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: 639.504+/-147.684 χ^2/NDF:61.3/21

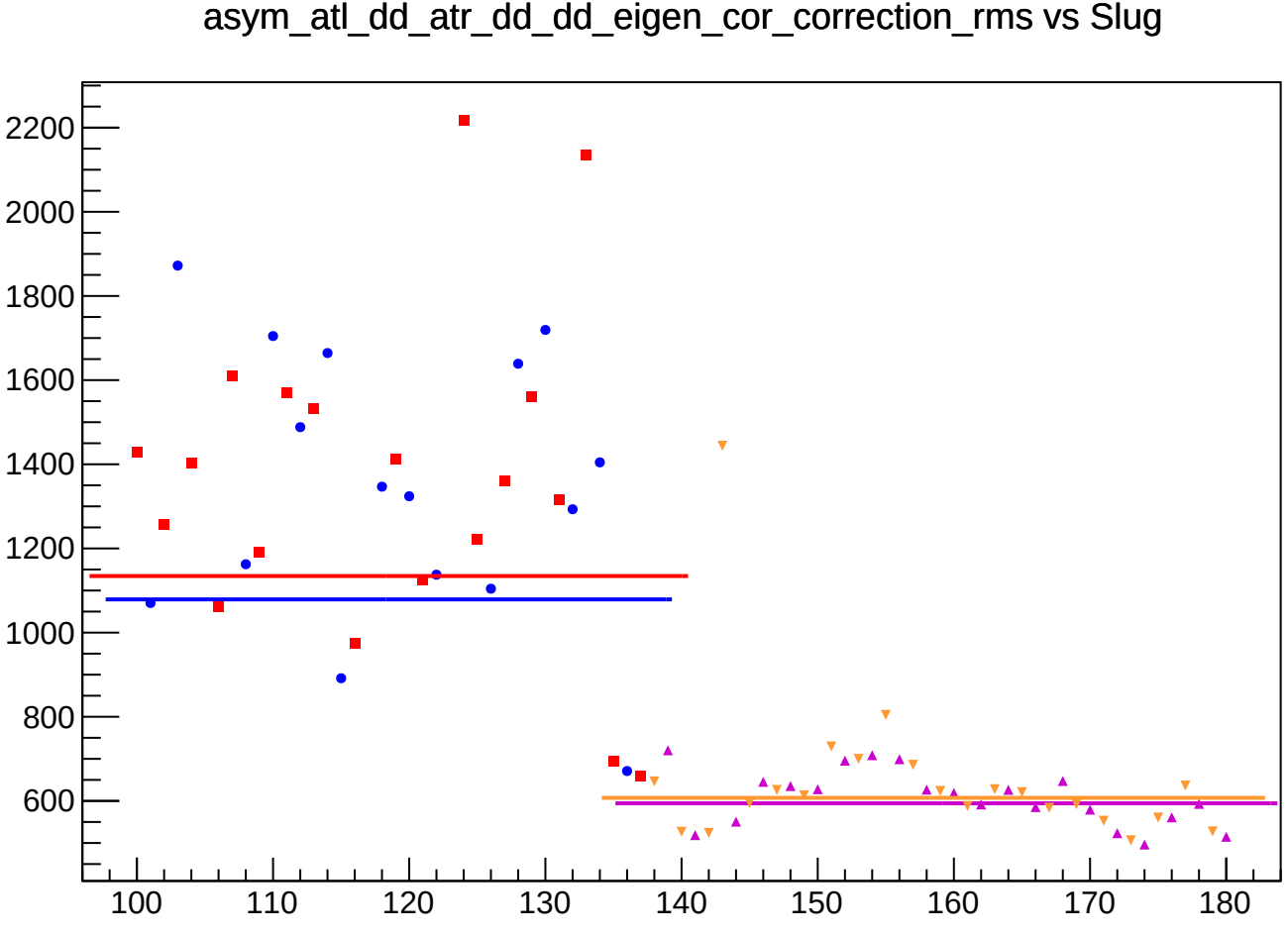
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.785+/-144.242 χ^2/NDF:18.4/20

+ sign 673.310+/-139.525 χ^2/NDF: 81.6/37

All: 441.731+/-97.786 χ^2/NDF: 124.5/77

- 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: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

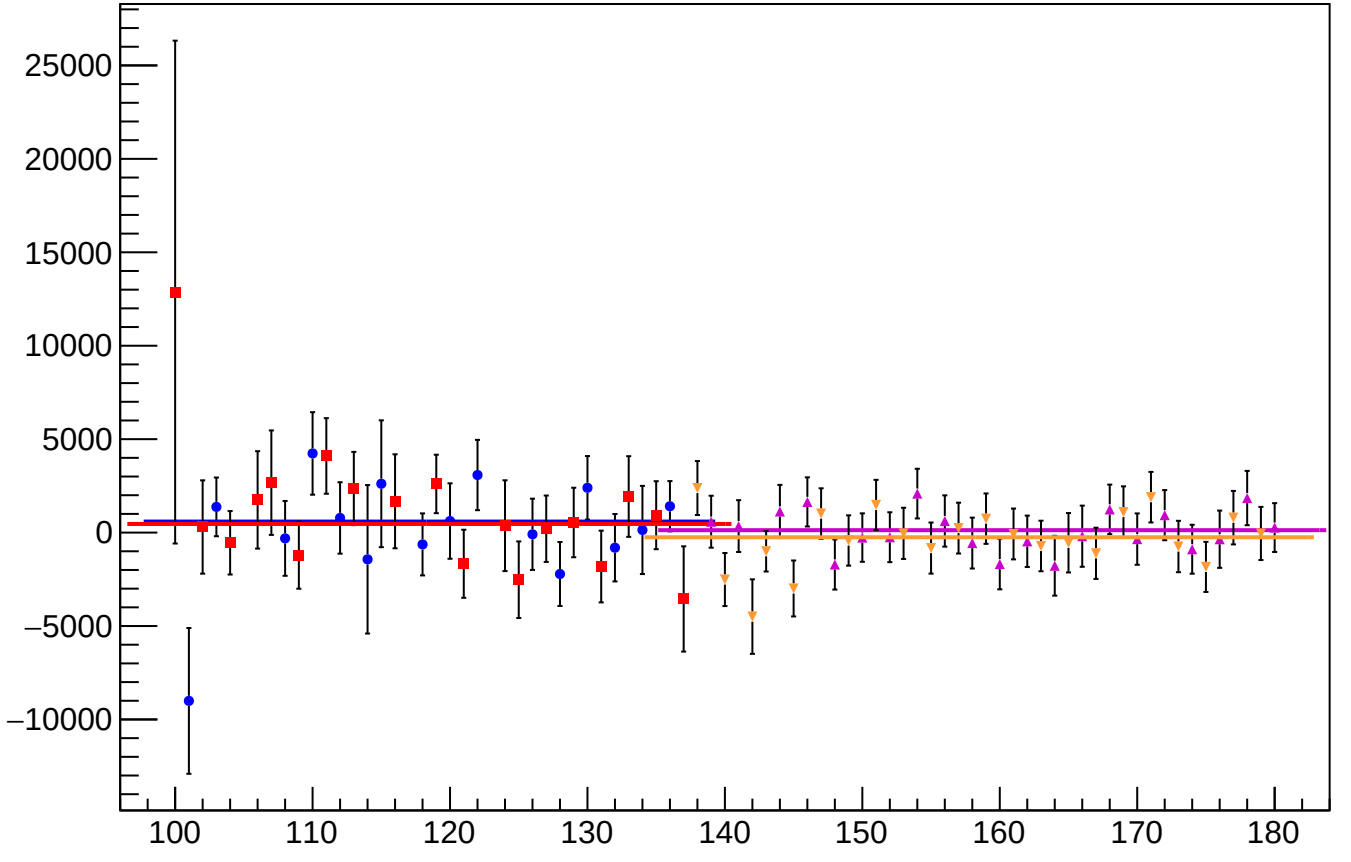
Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

+ sign 658.022+/-0.099 χ^2/NDF: 4616870.1/37

All: 652.199+/-0.069 χ^2/NDF: 9034295.9/77

- sign 646.577+/-0.097 χ^2/NDF: 4410579.2/39

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -249.722+/-294.971 χ^2/NDF:23.8/21

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

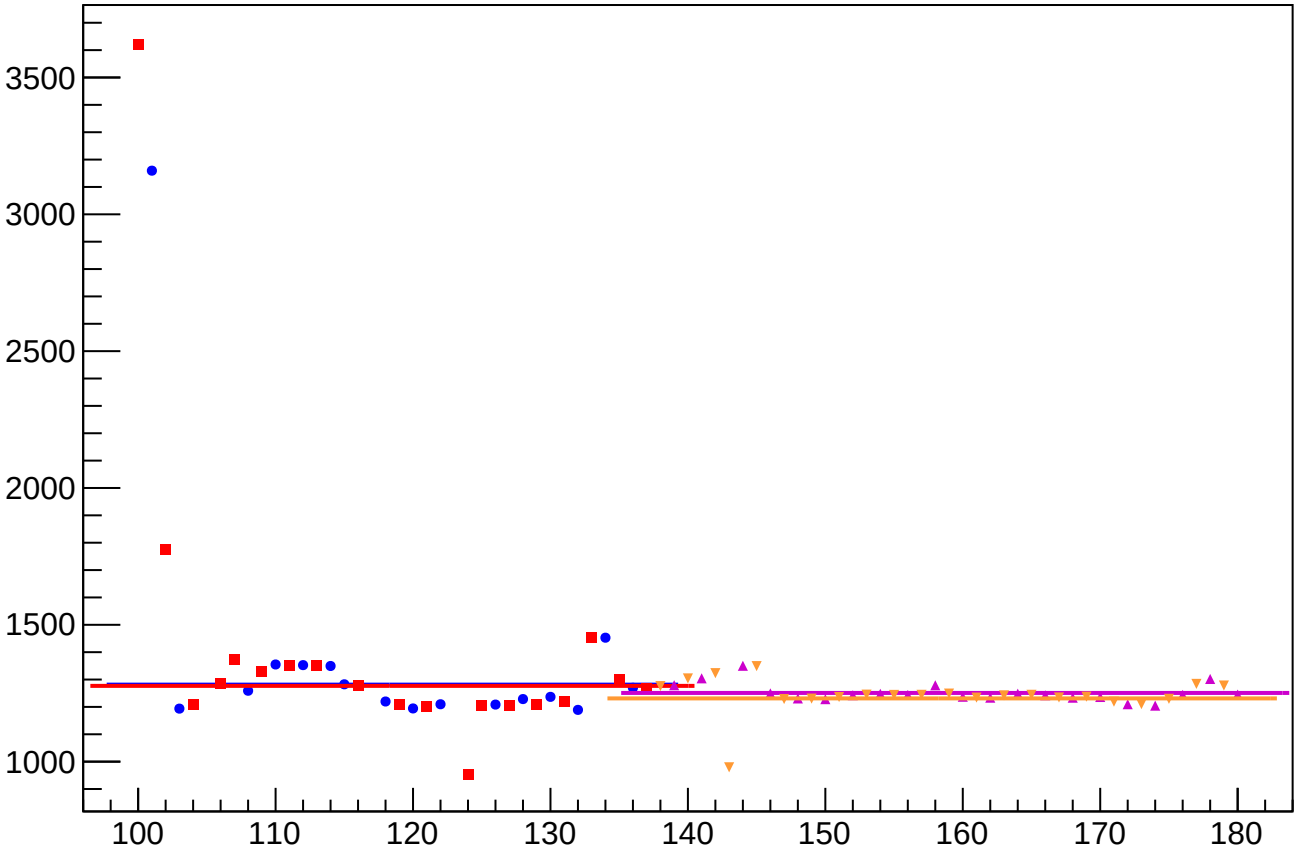
Left In: 129.589+/-301.288 χ^2/NDF:13.3/20

\+ sign -23.226+/-252.088 χ^2/NDF: 43.1/37

All: 99.419+/-179.169 χ^2/NDF: 73.9/77

\- 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: 1231.070+/-0.209 χ^2/NDF:138658.1/21

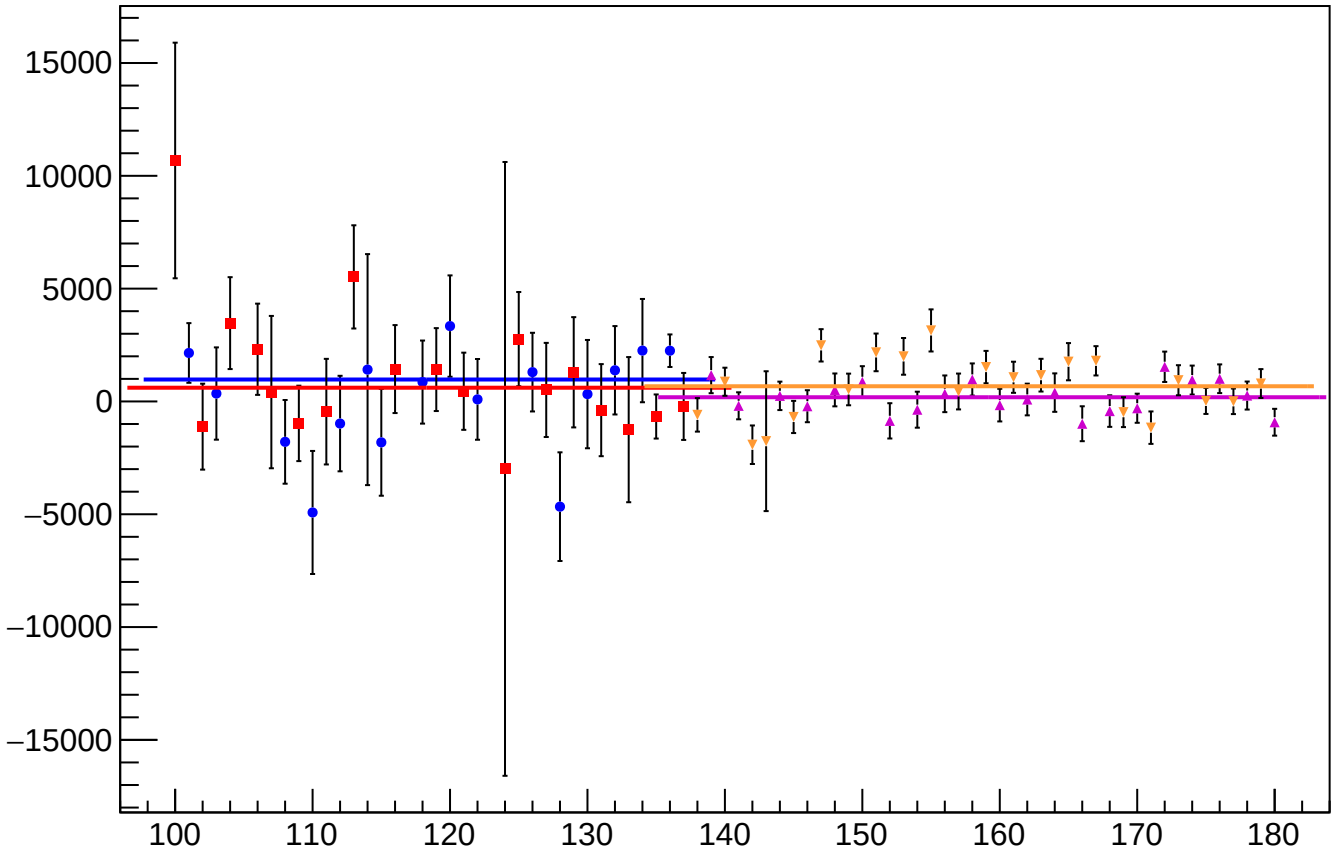
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.042+/-0.213 χ^2/NDF:23686.5/20

+ sign 1244.632+/-0.178 χ^2/NDF: 661416.5/37

All: 1251.450+/-0.127 χ^2/NDF: 912763.9/77

- 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: 673.126+/-153.713 χ^2/NDF:55.3/21

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

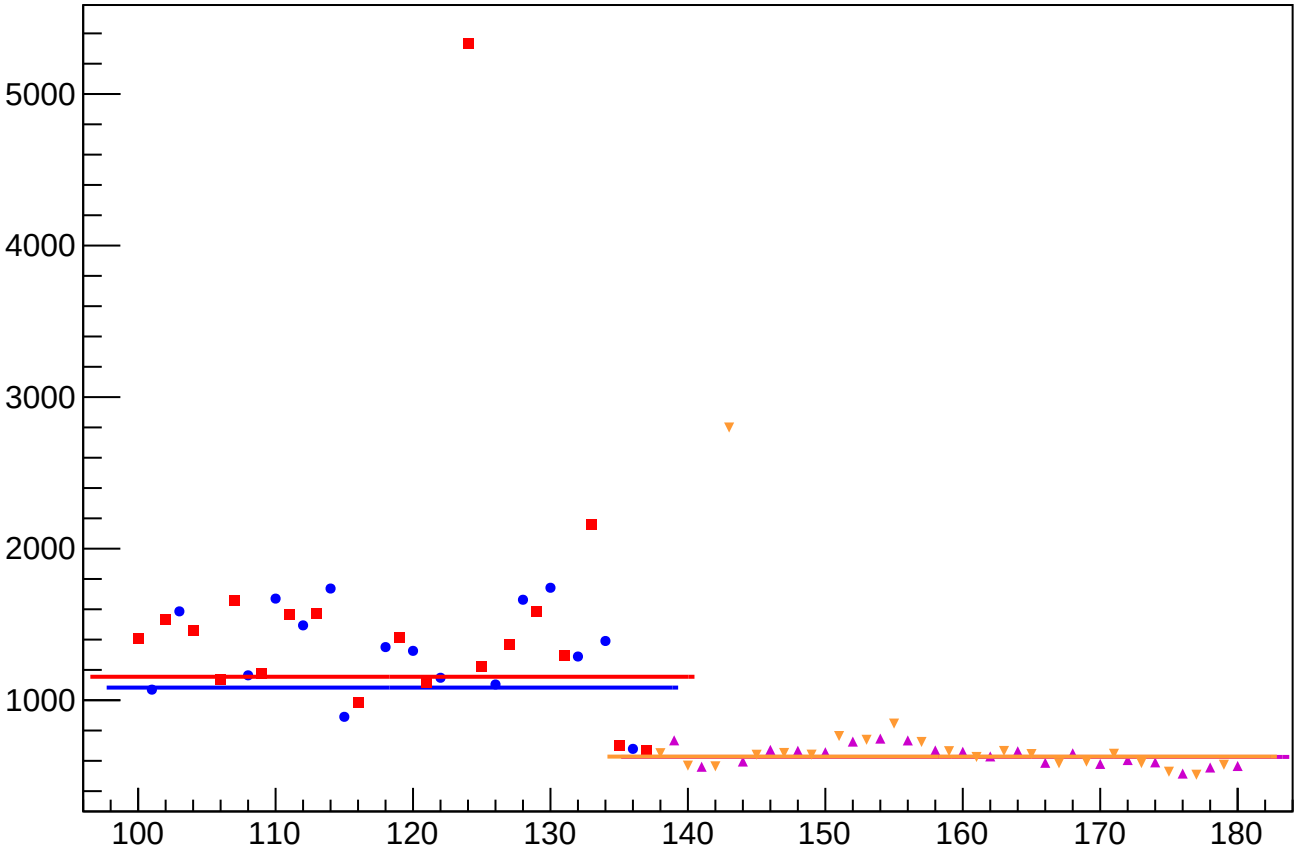
Left In: 186.286+/-151.674 χ^2/NDF:21.4/20

+ sign 707.701+/-144.558 χ^2/NDF: 76.2/37

All: 467.225+/-101.897 χ^2/NDF: 121.0/77

- 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: 627.907+/-0.109 χ^2/NDF:1443082.4/21

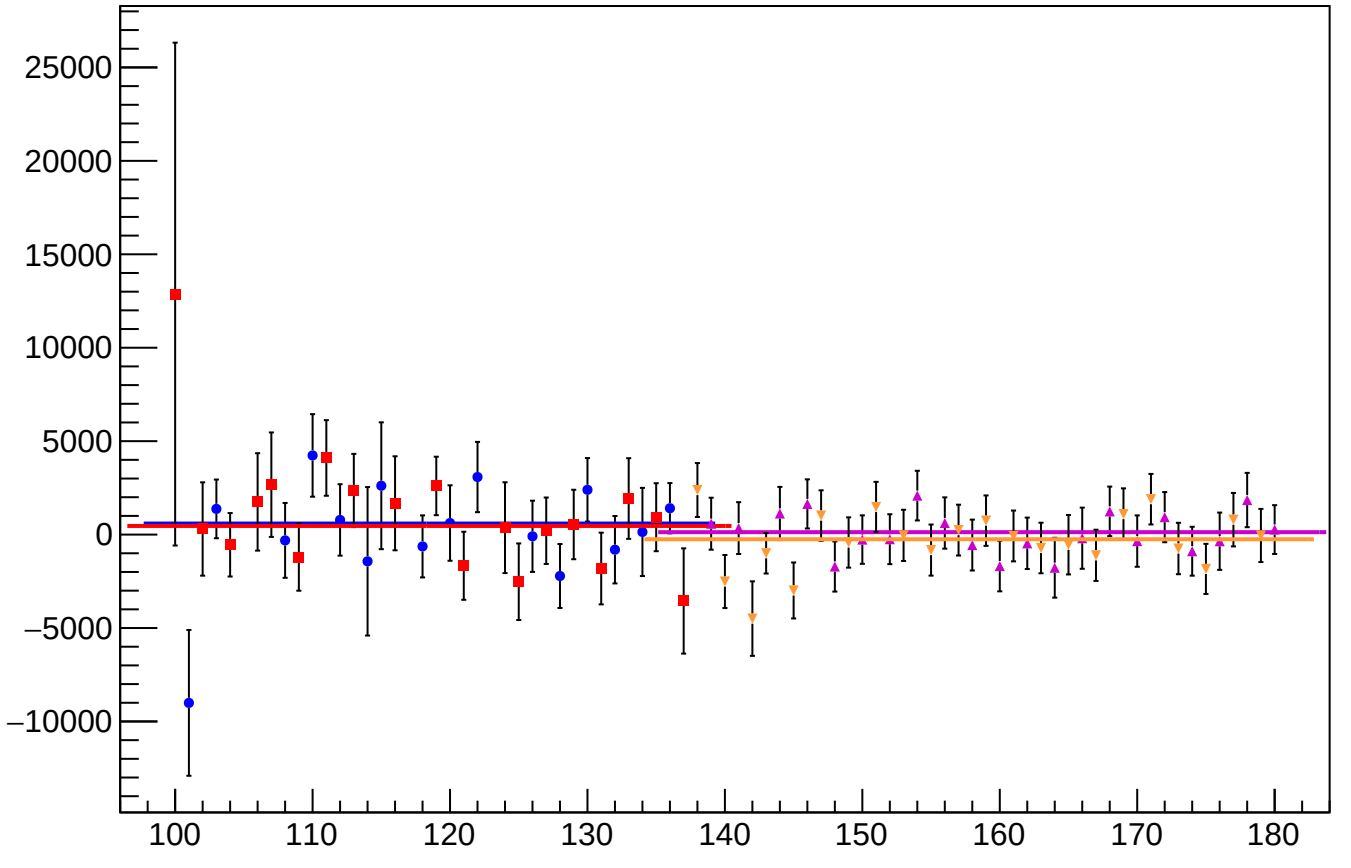
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 625.775+/-0.107 χ^2/NDF:346031.4/20

+ sign 680.543+/-0.102 χ^2/NDF: 4832346.1/37

All: 680.384+/-0.072 χ^2/NDF: 9170700.9/77

- 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: -249.724+/-294.971 χ^2/NDF:23.8/21

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

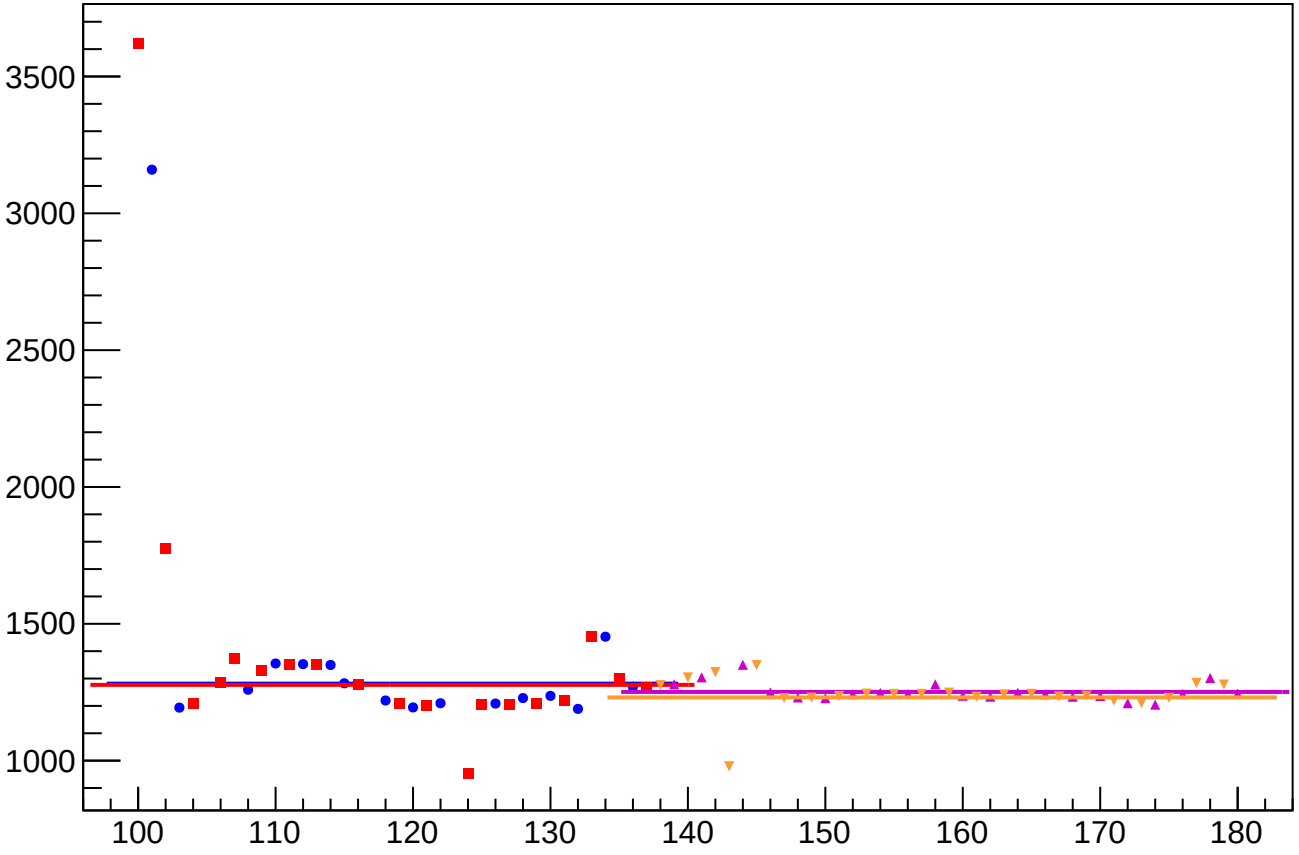
Left In: 129.589+/-301.288 χ^2/NDF:13.3/20

\+ sign -23.227+/-252.088 χ^2/NDF: 43.1/37

All: 99.419+/-179.169 χ^2/NDF: 73.9/77

\- 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: 1231.070+/-0.209 χ^2/NDF:138657.2/21

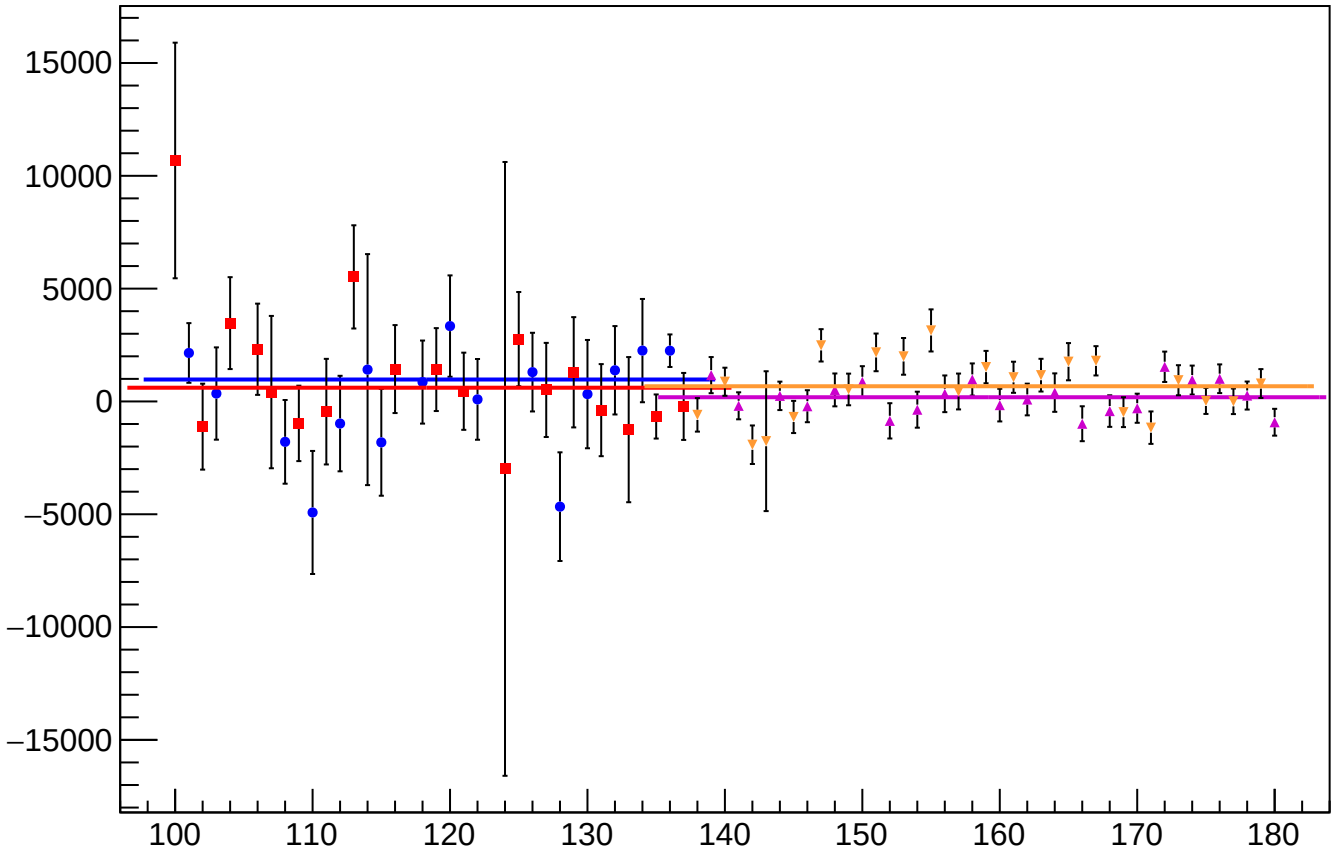
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.041+/-0.213 χ^2/NDF:23686.5/20

+ sign 1244.632+/-0.178 χ^2/NDF: 661415.7/37

All: 1251.449+/-0.127 χ^2/NDF: 912762.9/77

- 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: 673.126+/-153.713 χ^2/NDF:55.3/21

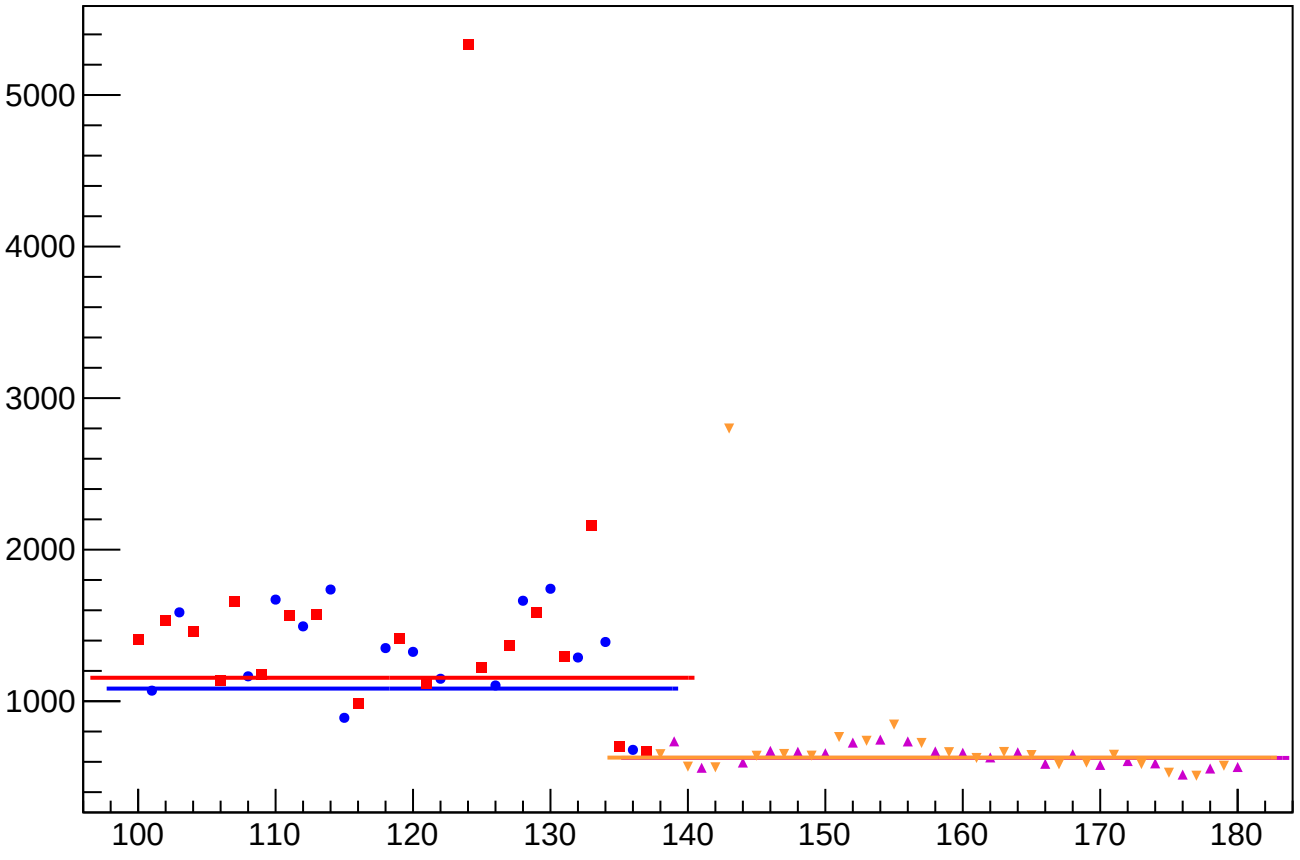
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 186.285+/-151.674 χ^2/NDF:21.4/20

+ sign 707.701+/-144.558 χ^2/NDF: 76.2/37

All: 467.224+/-101.897 χ^2/NDF: 121.0/77

- 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: 627.907+/-0.109 χ^2/NDF:1443081.2/21

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

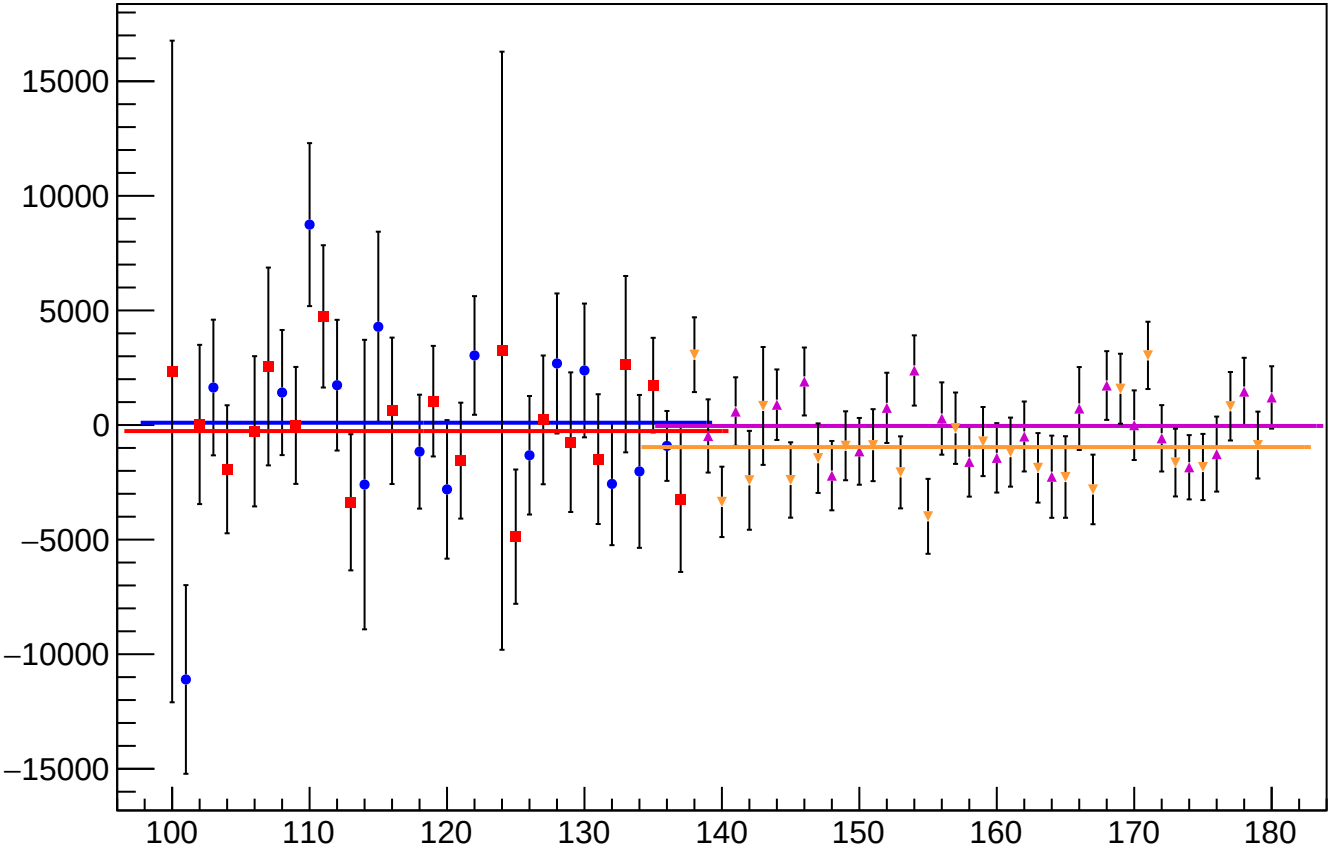
Left In: 625.774+/-0.107 χ^2/NDF:346038.2/20

+ sign 680.543+/-0.102 χ^2/NDF: 4832334.0/37

All: 680.384+/-0.072 χ^2/NDF: 9170701.8/77

- 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: -961.866+/-336.664 χ^2/NDF:29.2/21

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

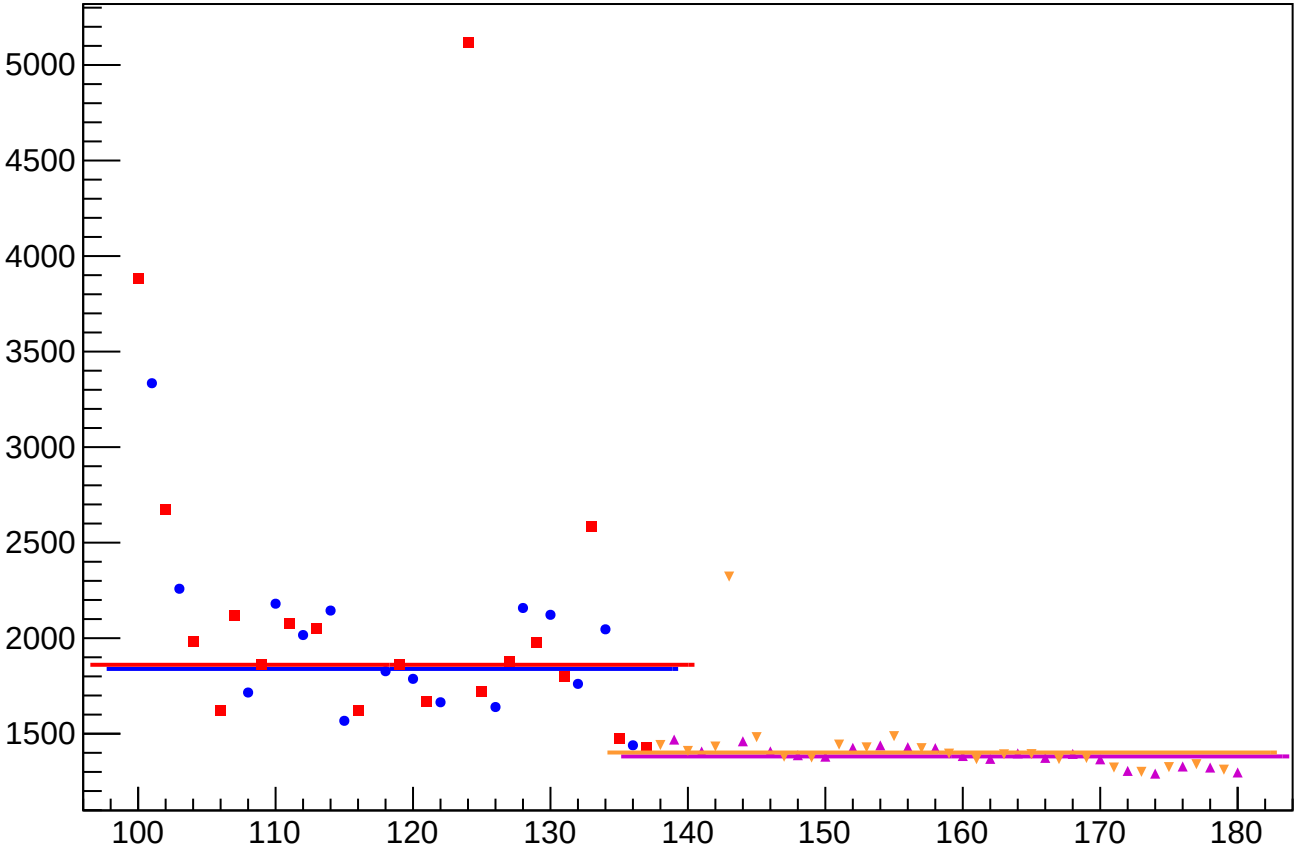
Left In: -40.582+/-332.765 χ^2/NDF:17.1/20

+ sign -761.829+/-303.315 χ^2/NDF: 52.3/37

All: -418.536+/-213.479 χ^2/NDF: 82.3/77

- 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: 1401.617+/-0.238 χ^2/NDF:306291.0/21

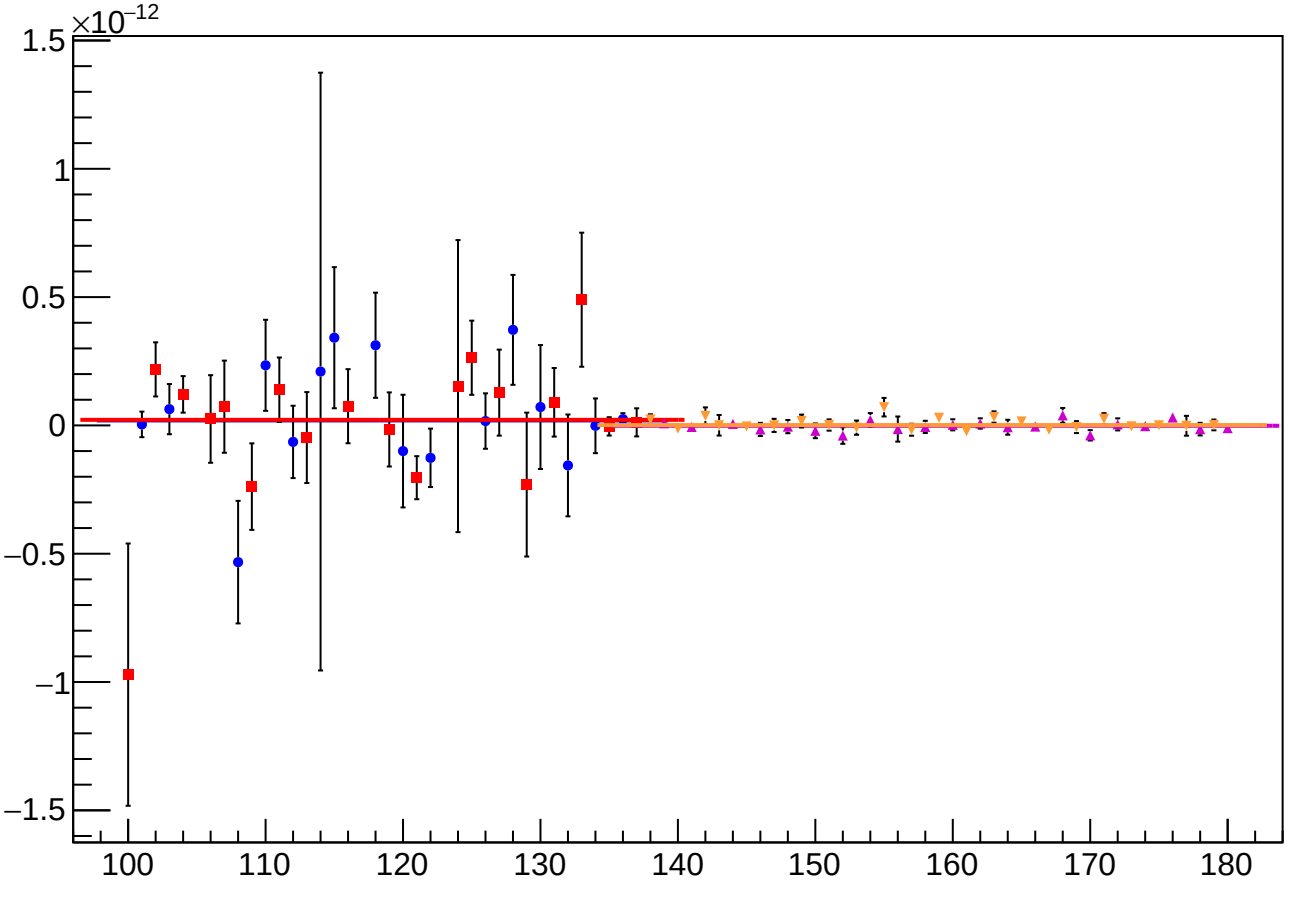
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1381.208+/-0.235 χ^2/NDF:47958.1/20

+ sign 1483.999+/-0.214 χ^2/NDF: 1498991.9/37

All: 1476.763+/-0.151 χ^2/NDF: 2837440.0/77

- 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:18.7/21

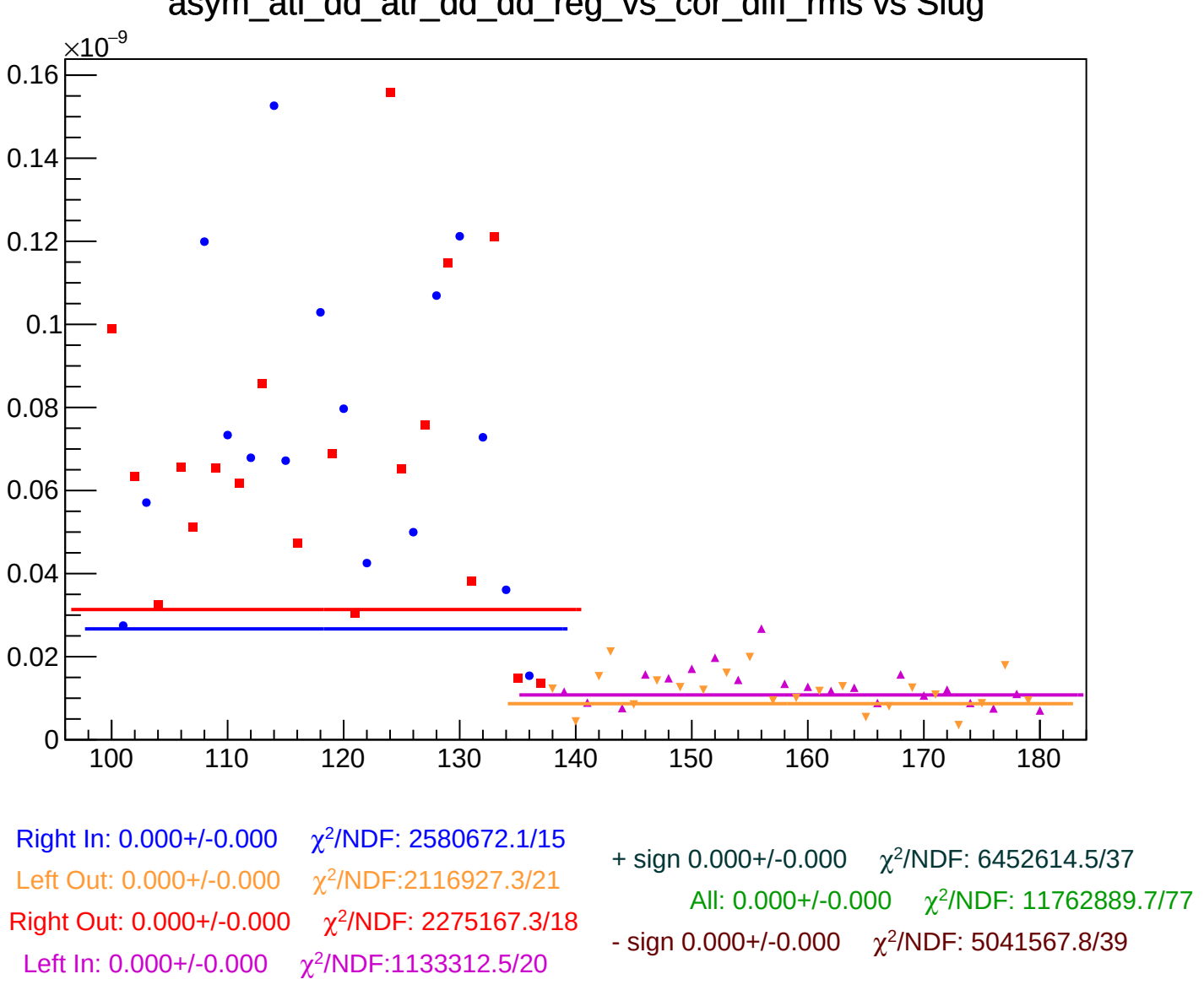
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

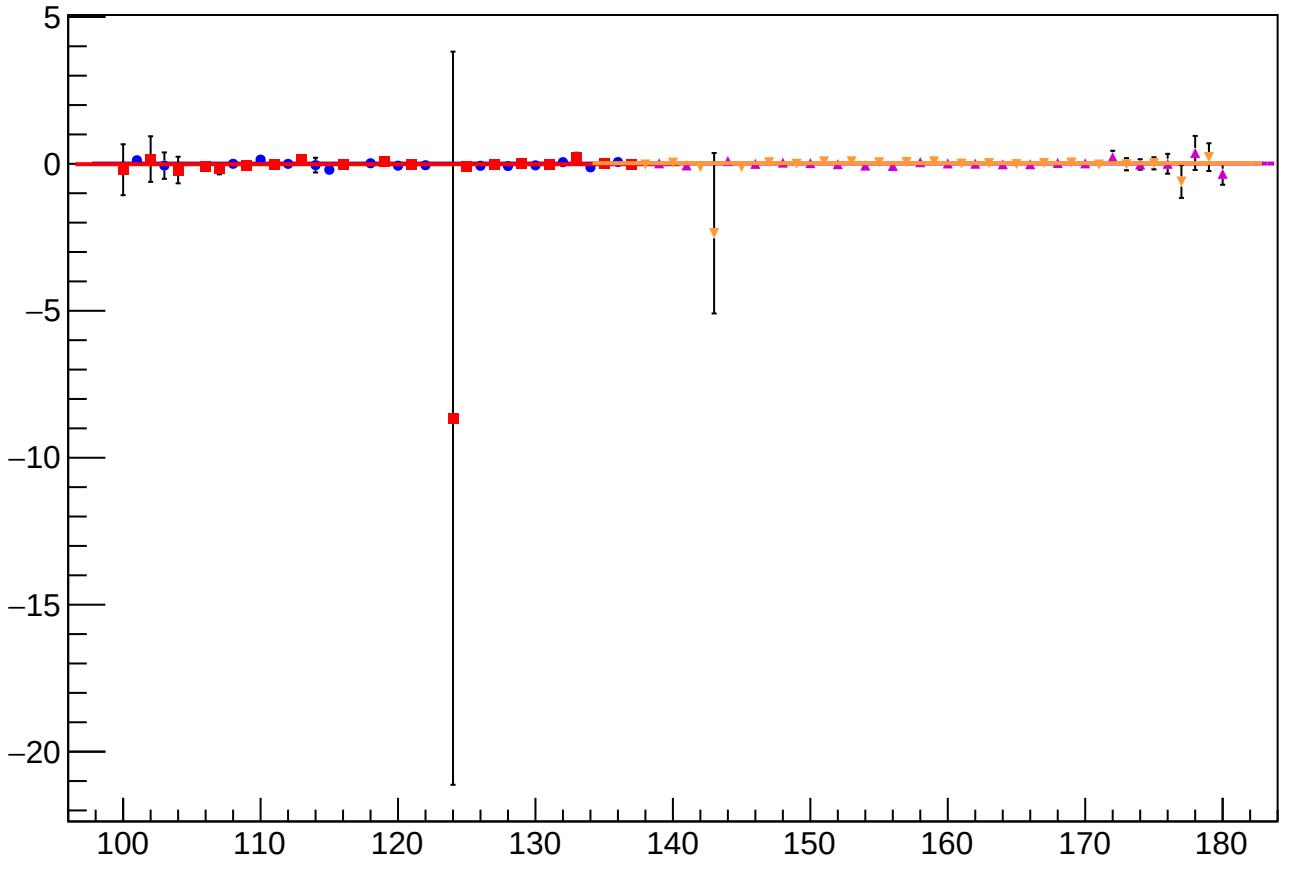
Left In: -0.000+/-0.000 χ^2/NDF:13.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/37

All: 0.000+/-0.000 χ^2/NDF: 78.9/77

- sign -0.000+/-0.000 χ^2/NDF: 42.6/39


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2116927.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:1133312.5/20
+ sign 0.000+/-0.000 χ²/NDF: 6452614.5/37
All: 0.000+/-0.000 χ²/NDF: 11762889.7/77
- sign 0.000+/-0.000 χ²/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:19.6/21

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

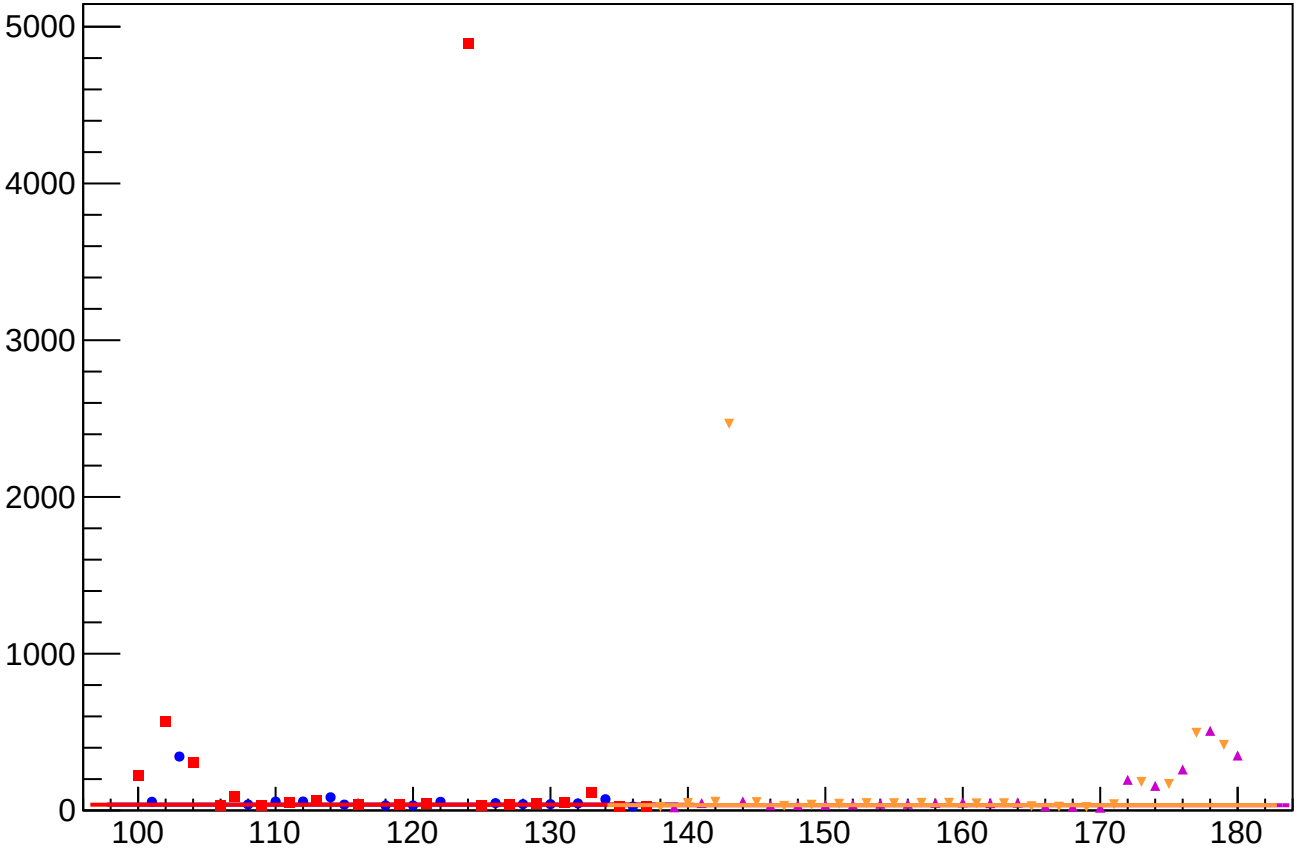
Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.9/77

- 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: 34.002+/-0.007 χ^2/NDF:8549355.4/21

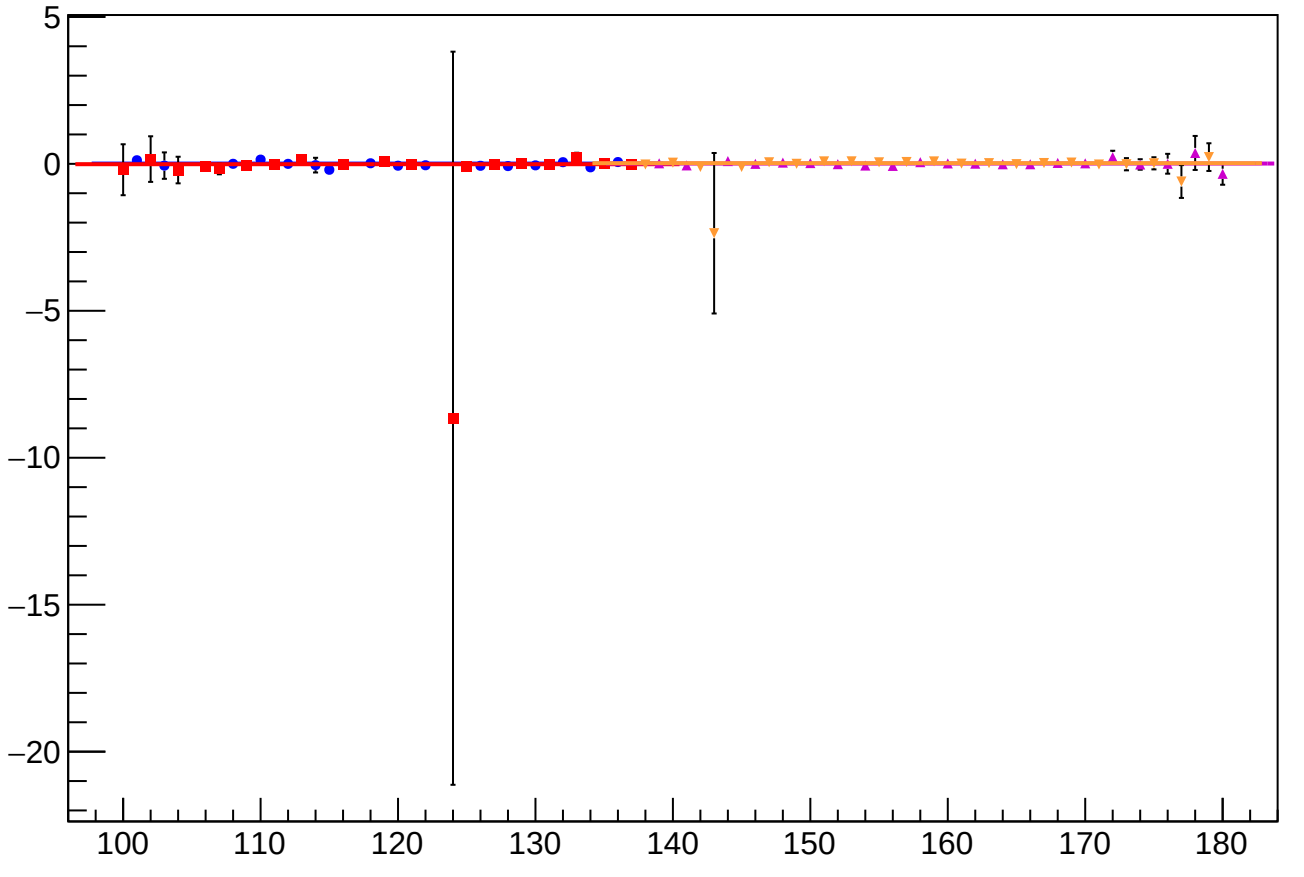
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

+ sign 35.007+/-0.006 χ^2/NDF: 10599825.5/37

All: 34.565+/-0.004 χ^2/NDF: 22410280.3/77

- 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:19.6/21

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

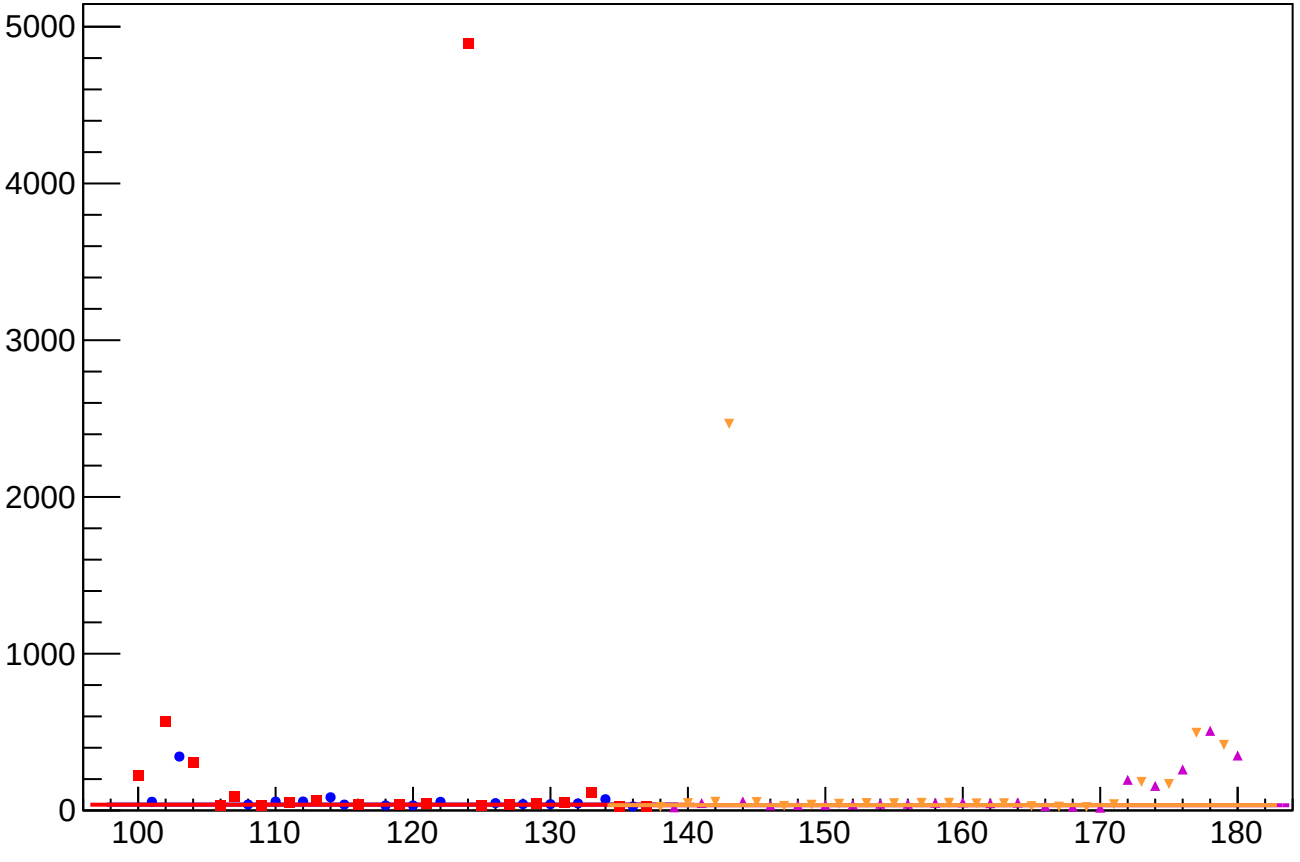
Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.9/77

- sign 0.004+/-0.009 χ^2/NDF: 27.1/39

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.002+/-0.007 χ^2/NDF:8549355.4/21

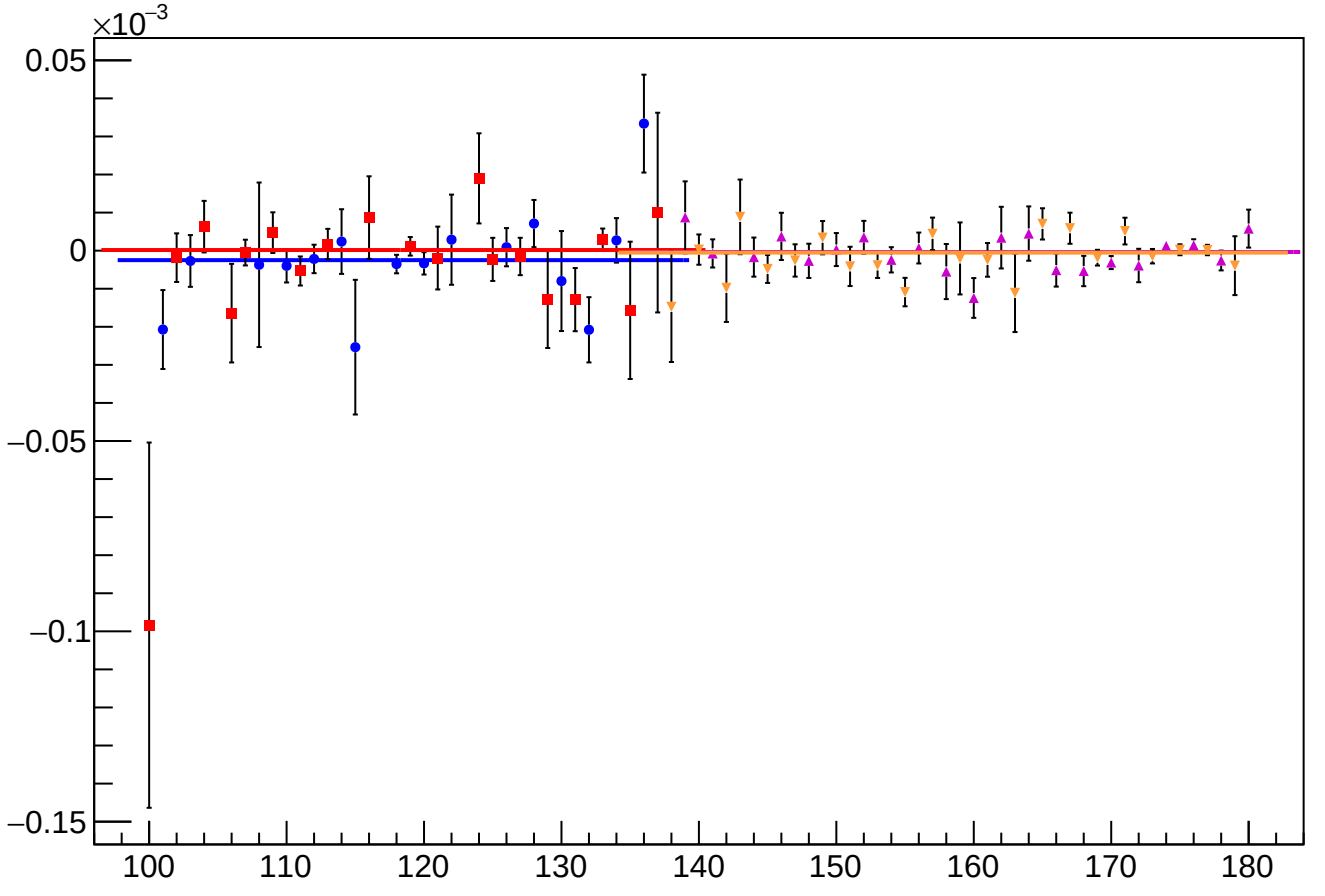
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

+ sign 35.007+/-0.006 χ^2/NDF: 10599825.5/37

All: 34.565+/-0.004 χ^2/NDF: 22410280.3/77

- 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:27.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

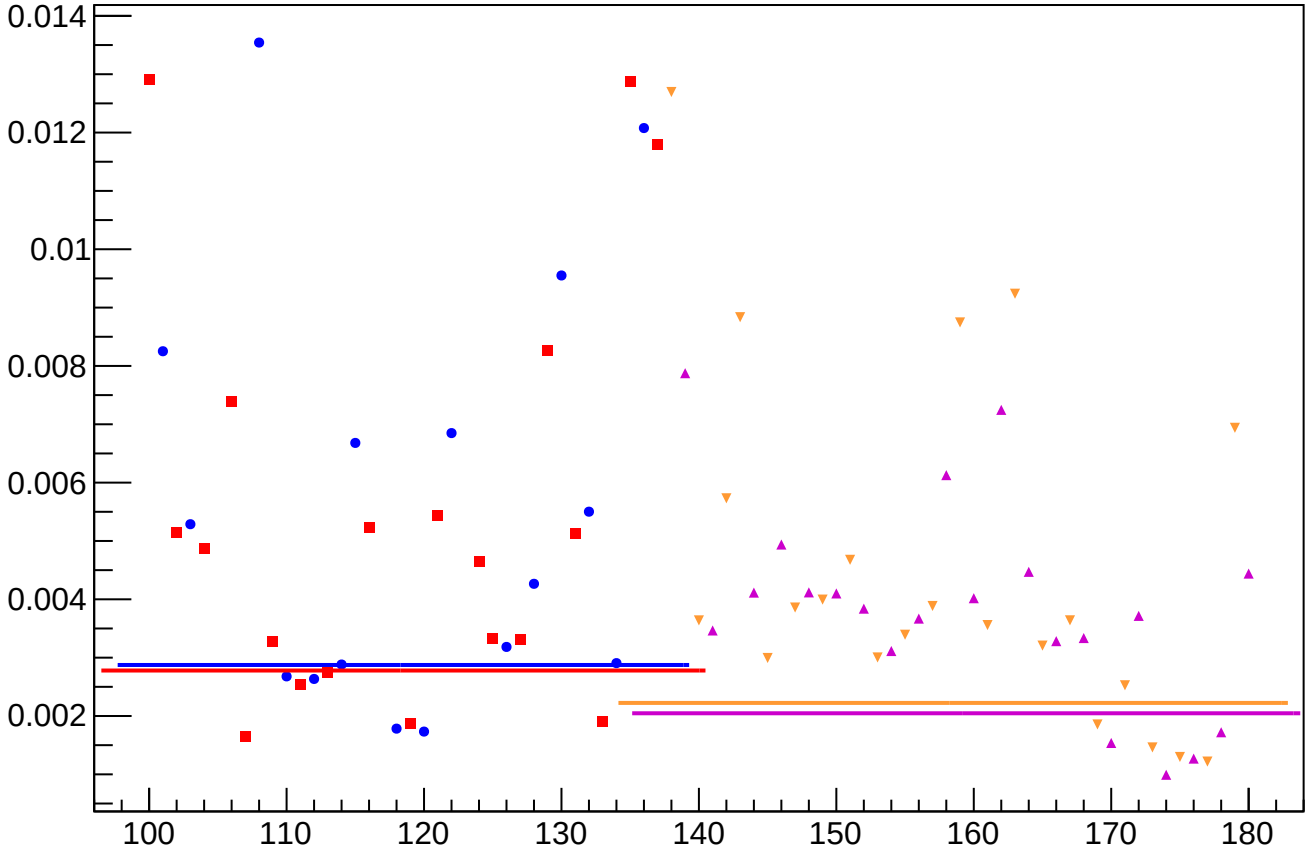
Left In: -0.000+/-0.000 χ^2/NDF:21.1/20

+ sign -0.000+/-0.000 χ^2/NDF: 50.7/37

All: -0.000+/-0.000 χ^2/NDF: 91.6/77

- sign -0.000+/-0.000 χ^2/NDF: 40.1/39

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9758639.5/21

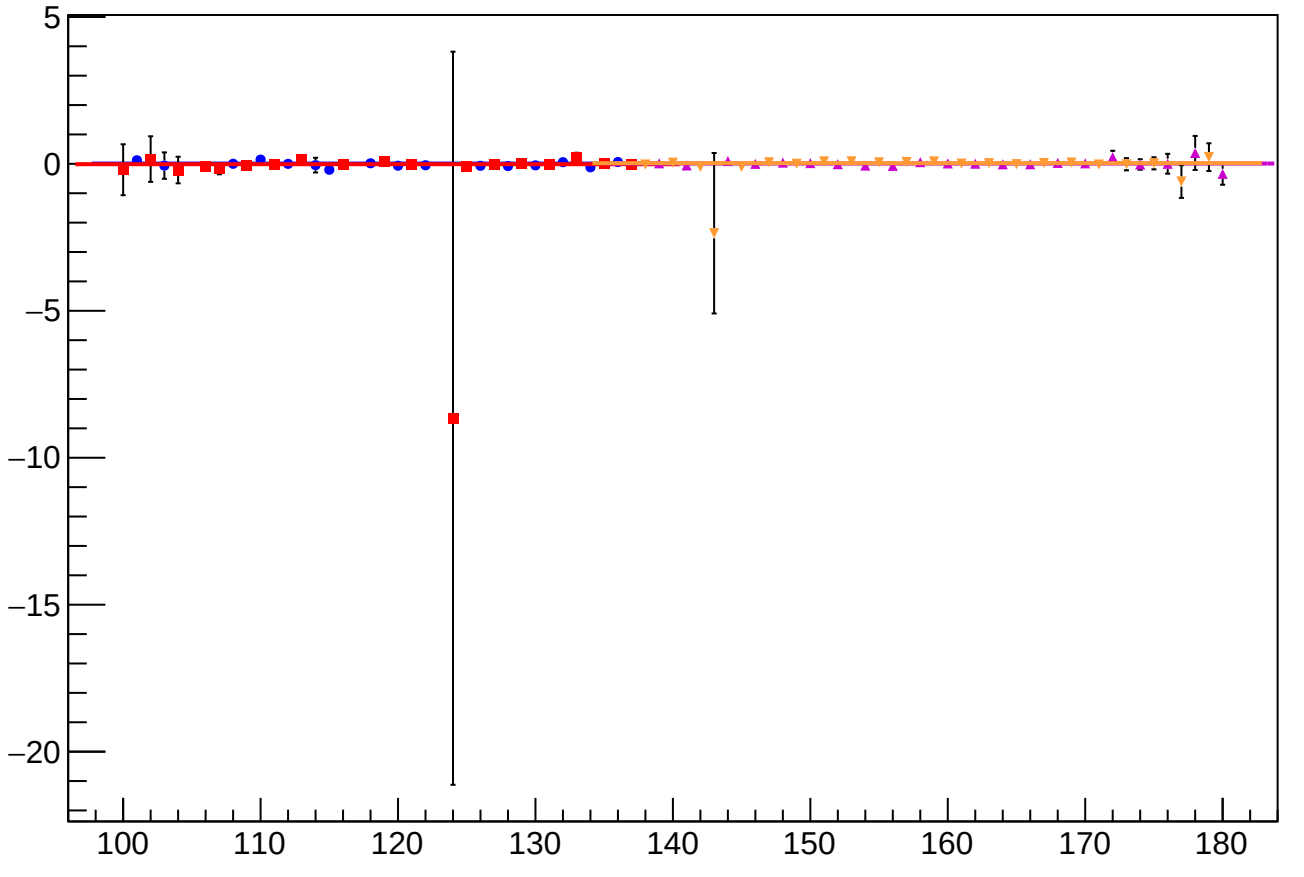
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:9246141.6/20

+ sign 0.002+/-0.000 χ^2/NDF: 14308084.0/37

All: 0.002+/-0.000 χ^2/NDF: 27532120.9/77

- 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:19.6/21

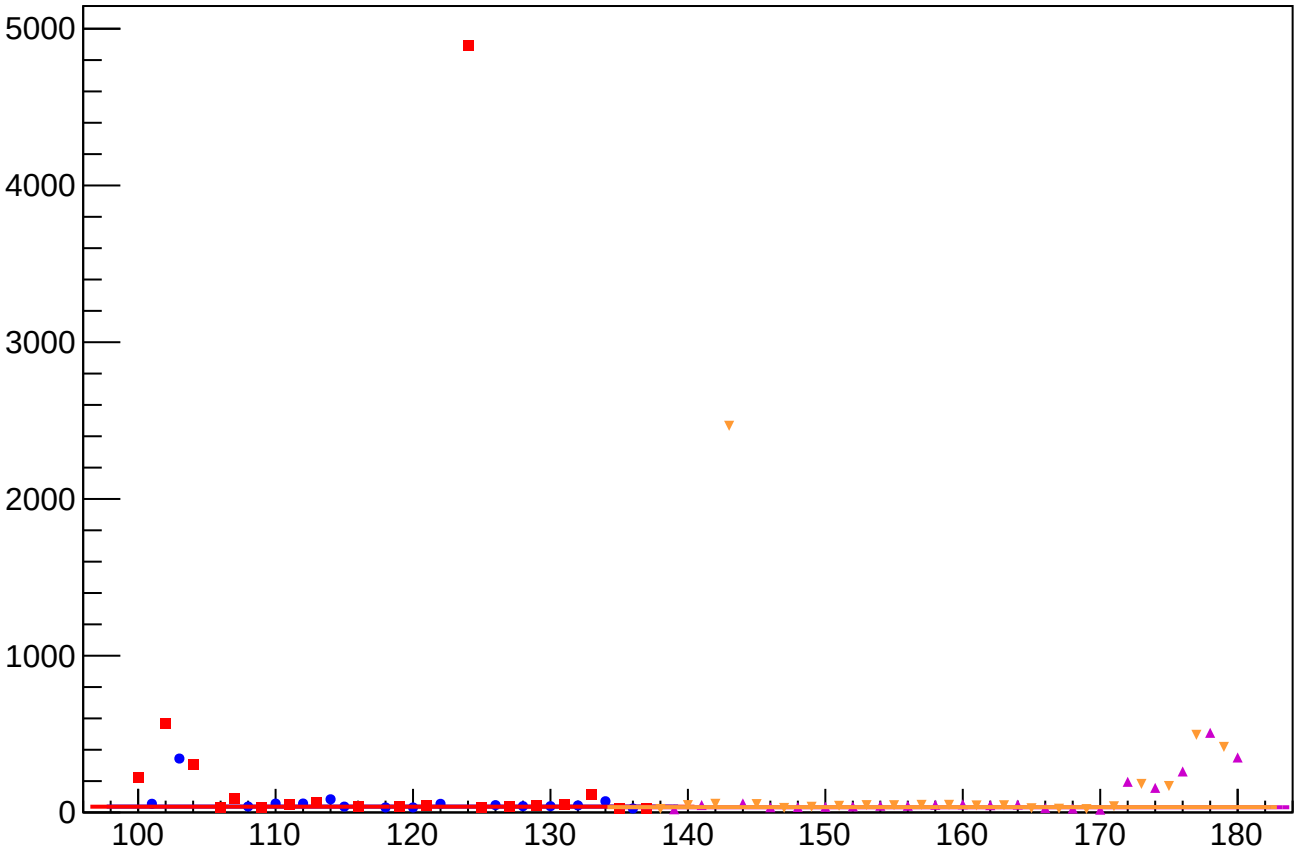
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.9/77

- 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: 34.001+/-0.007 χ^2/NDF:8549446.2/21

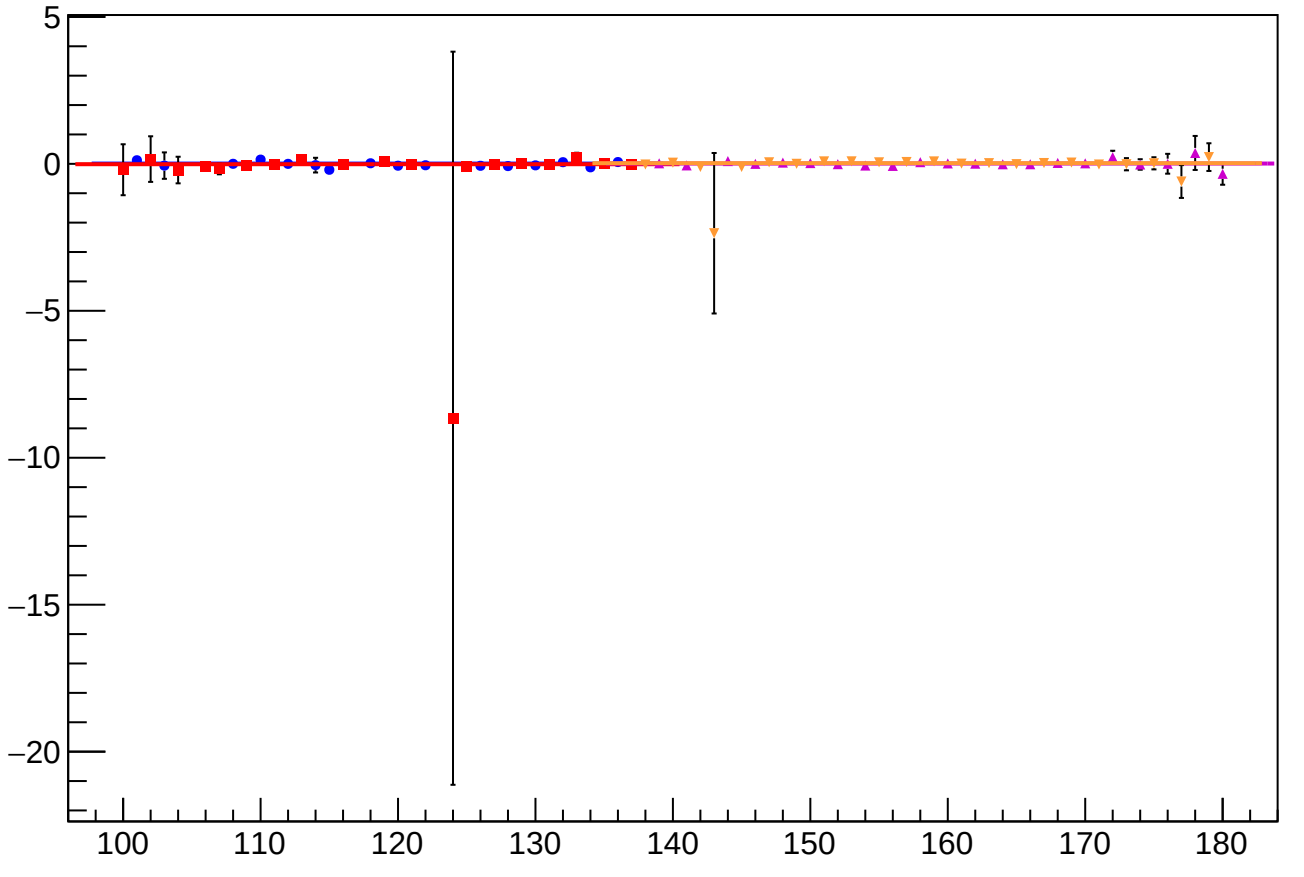
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

+ sign 35.006+/-0.006 χ^2/NDF: 10599904.4/37

All: 34.565+/-0.004 χ^2/NDF: 22408733.7/77

- 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:19.6/21

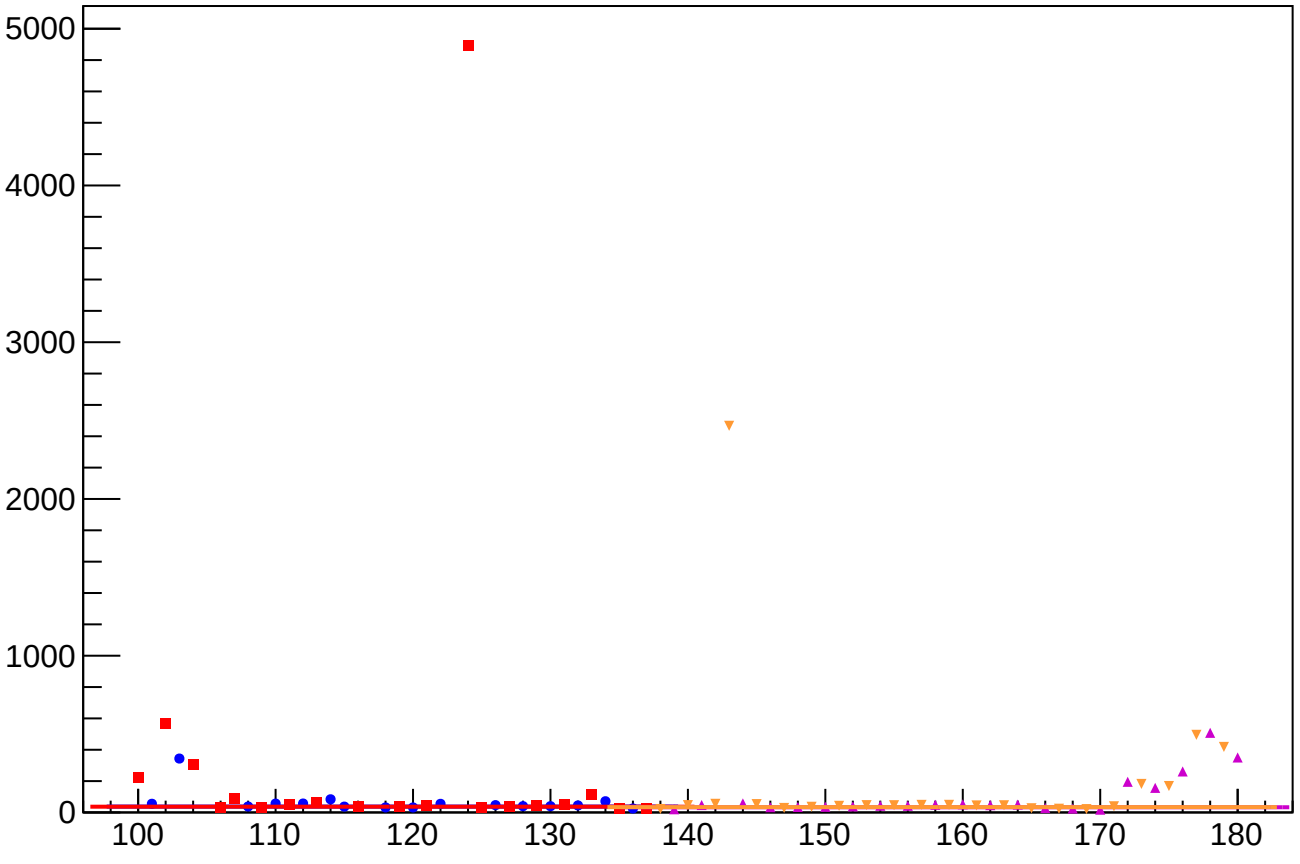
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.9/77

- 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: 34.001+/-0.007 χ^2/NDF:8549446.2/21

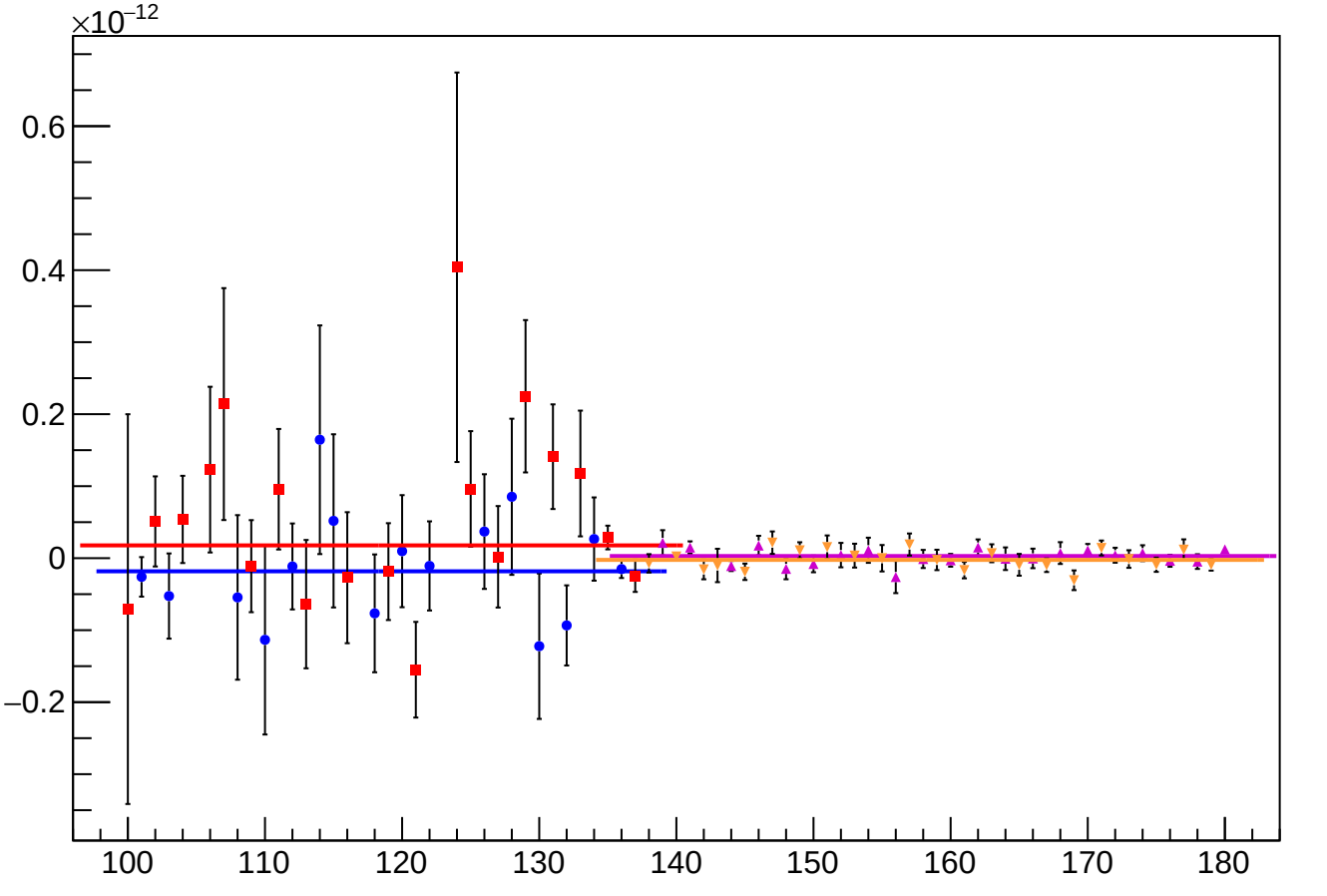
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

\+ sign 35.006+/-0.006 χ^2/NDF: 10599904.4/37

All: 34.565+/-0.004 χ^2/NDF: 22408733.7/77

\- 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:22.7/21

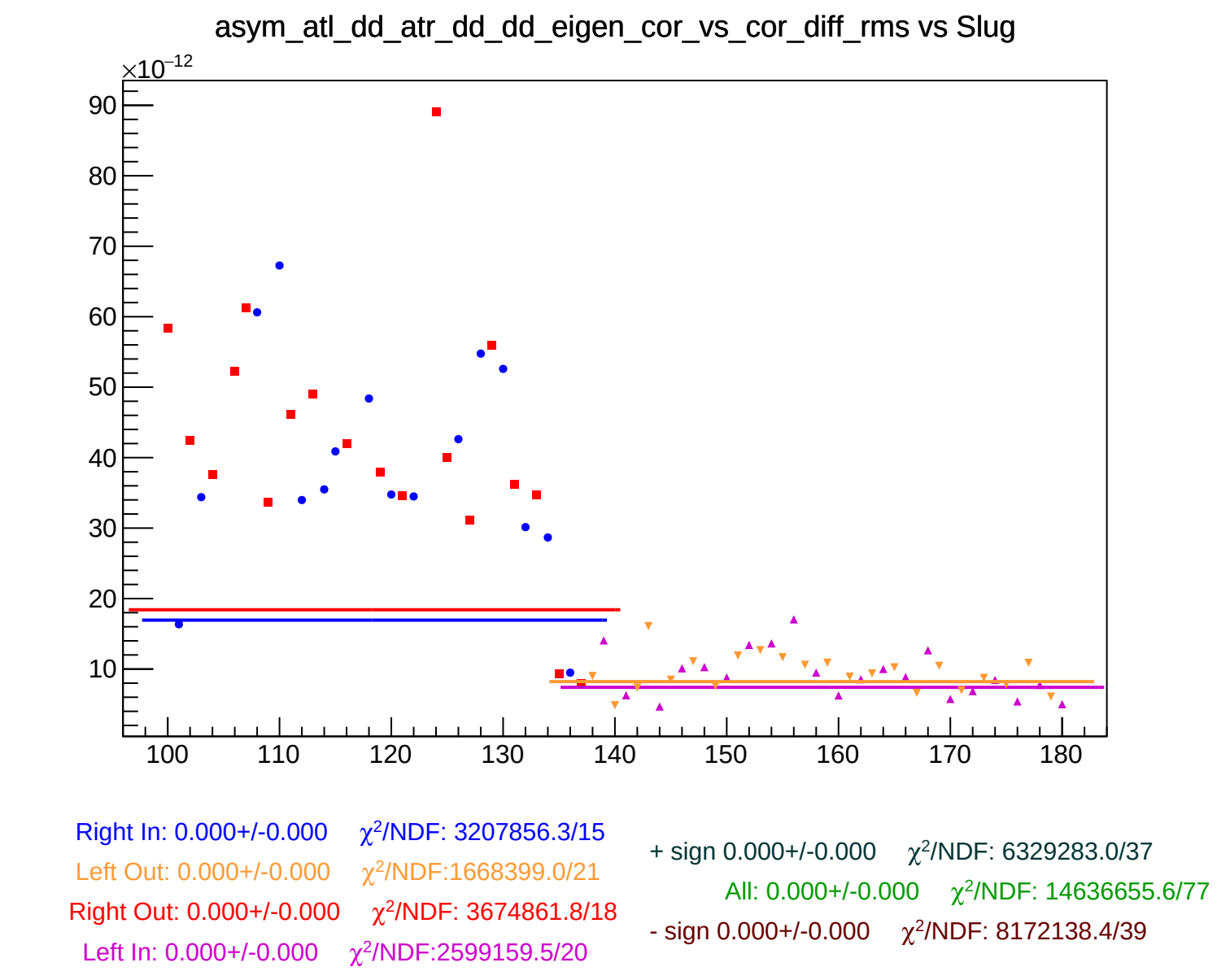
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/20

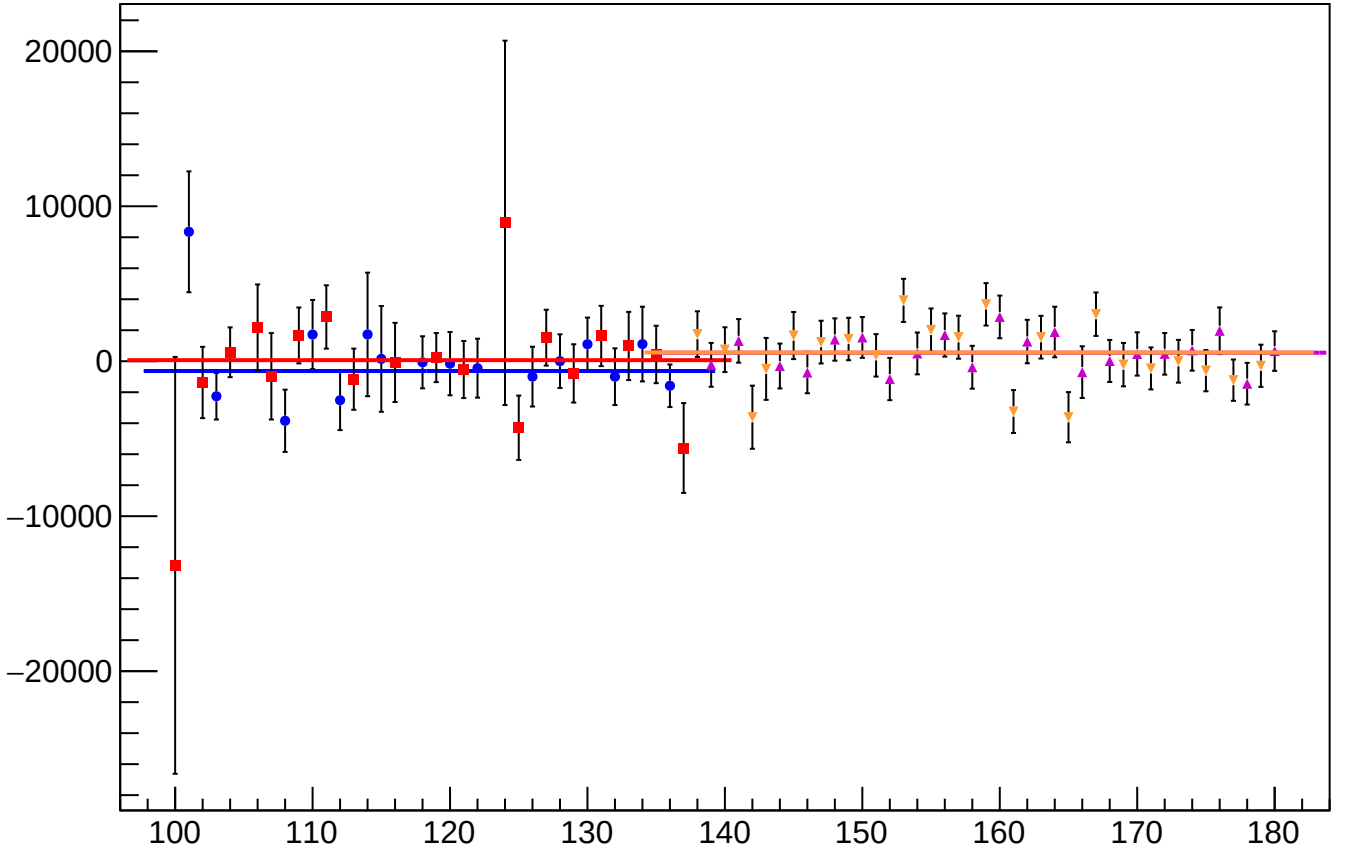
+ sign -0.000+/-0.000 χ^2/NDF: 33.4/37

All: 0.000+/-0.000 χ^2/NDF: 85.0/77

- sign 0.000+/-0.000 χ^2/NDF: 47.3/39


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1668399.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2599159.5/20
+ sign 0.000+/-0.000 χ²/NDF: 6329283.0/37
All: 0.000+/-0.000 χ²/NDF: 14636655.6/77
- sign 0.000+/-0.000 χ²/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: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

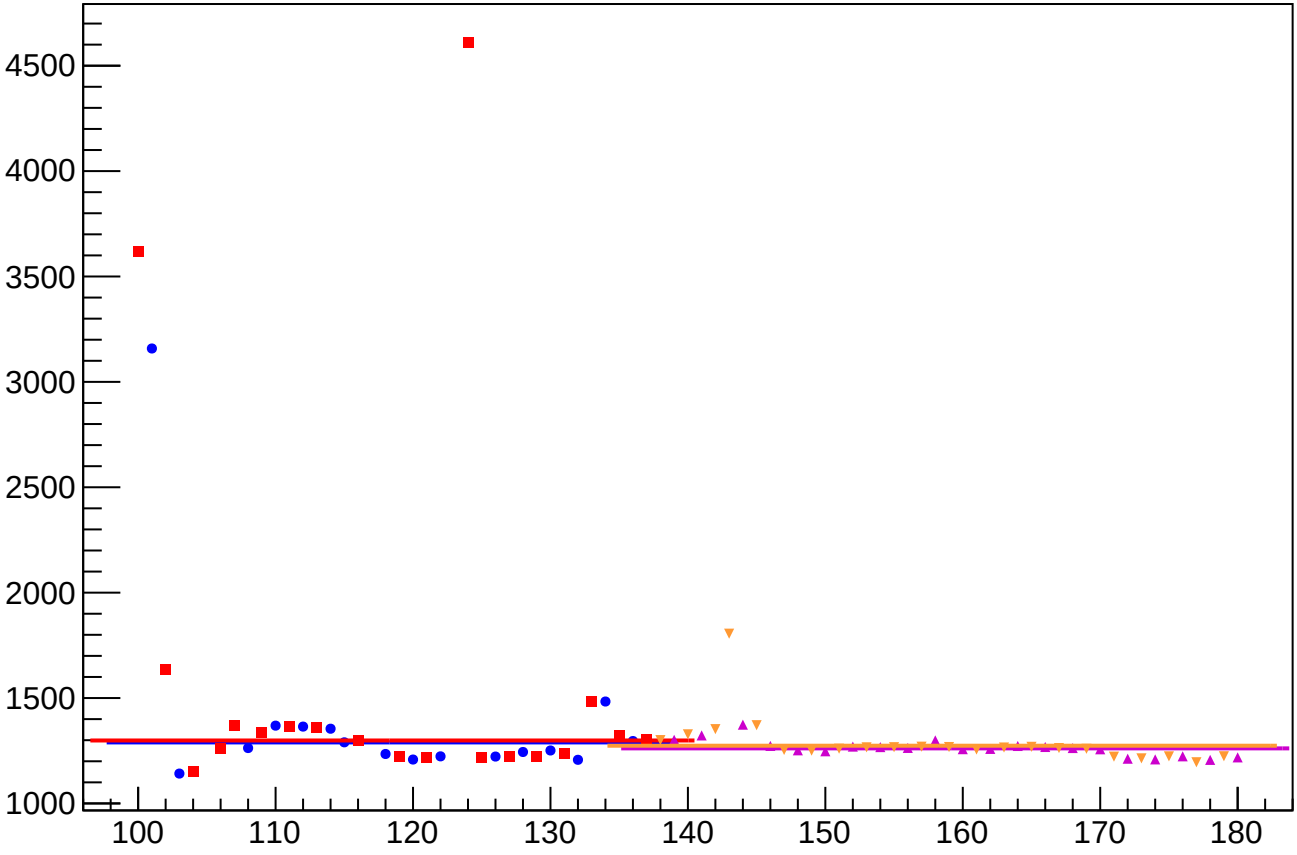
Left In: 549.417+/-303.758 χ^2/NDF:13.1/20

+ sign 228.999+/-258.964 χ^2/NDF: 59.0/37

All: 322.294+/-182.718 χ^2/NDF: 88.9/77

- 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: 1273.834+/-0.216 χ^2/NDF:177476.2/21

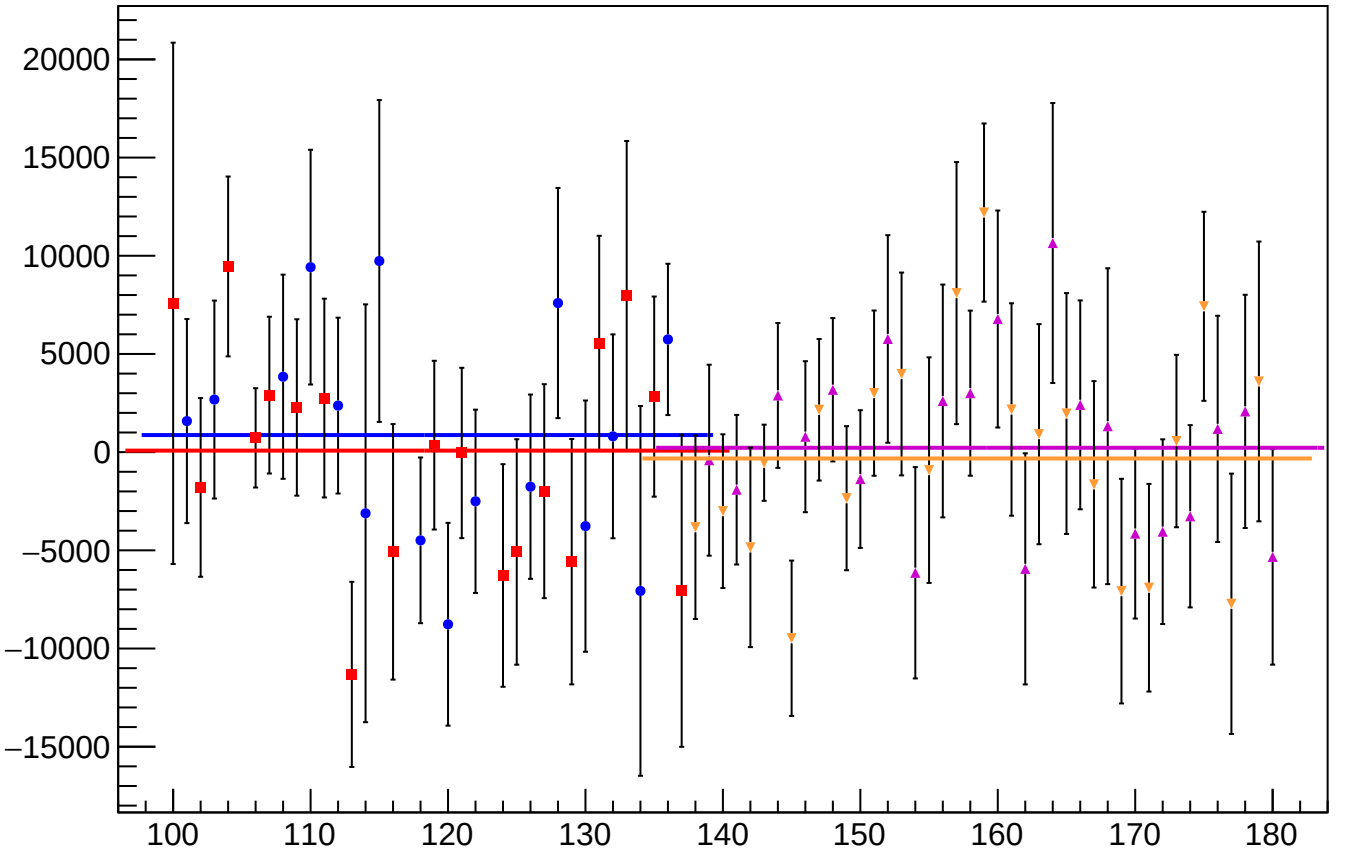
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.3/20

+ sign 1278.224+/-0.183 χ^2/NDF: 693623.2/37

All: 1274.939+/-0.129 χ^2/NDF: 1054591.5/77

- 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: -321.877+/-928.901 χ^2/NDF:26.1/21

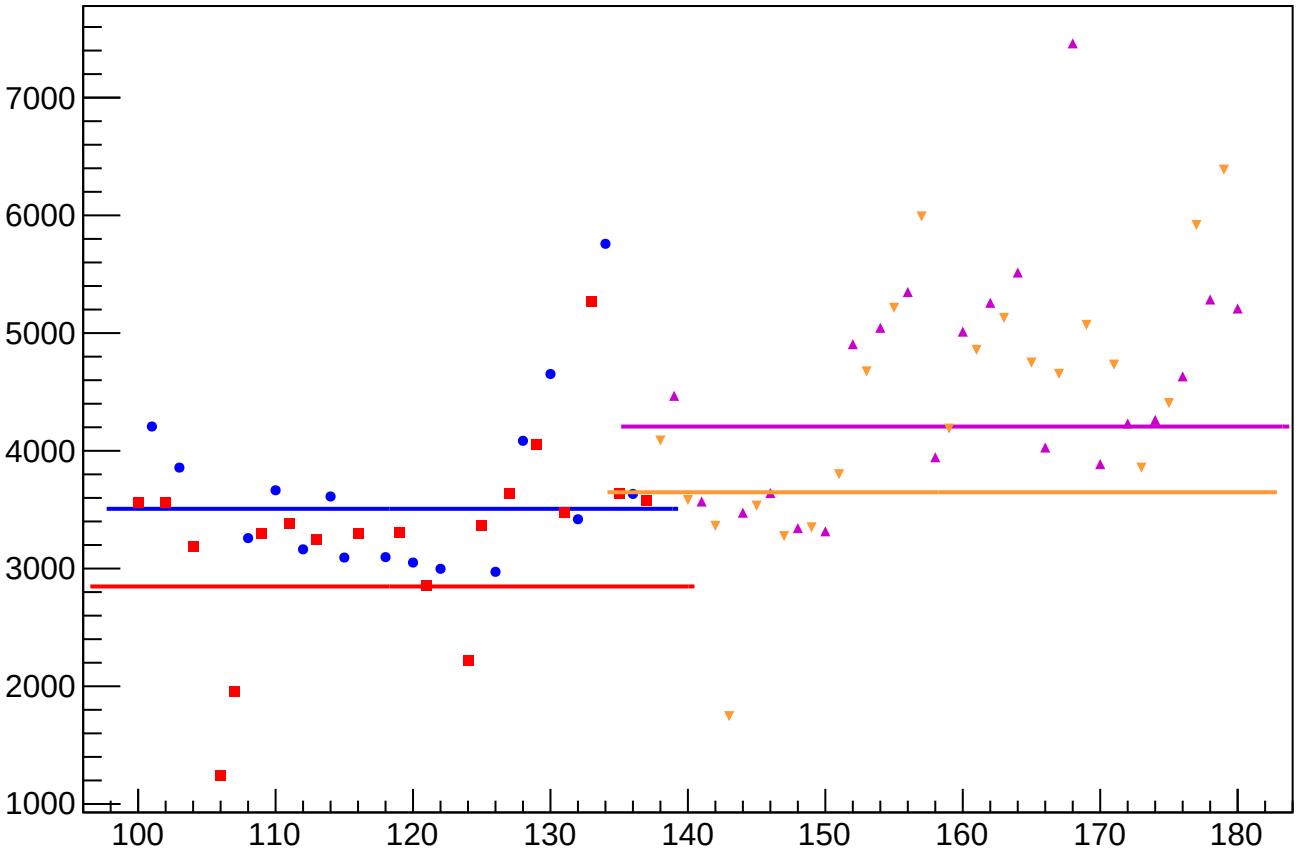
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 223.001+/-1035.187 χ^2/NDF:13.2/20

+ sign 70.863+/-760.660 χ^2/NDF: 40.7/37

All: 113.266+/-536.710 χ^2/NDF: 72.3/77

- 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: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

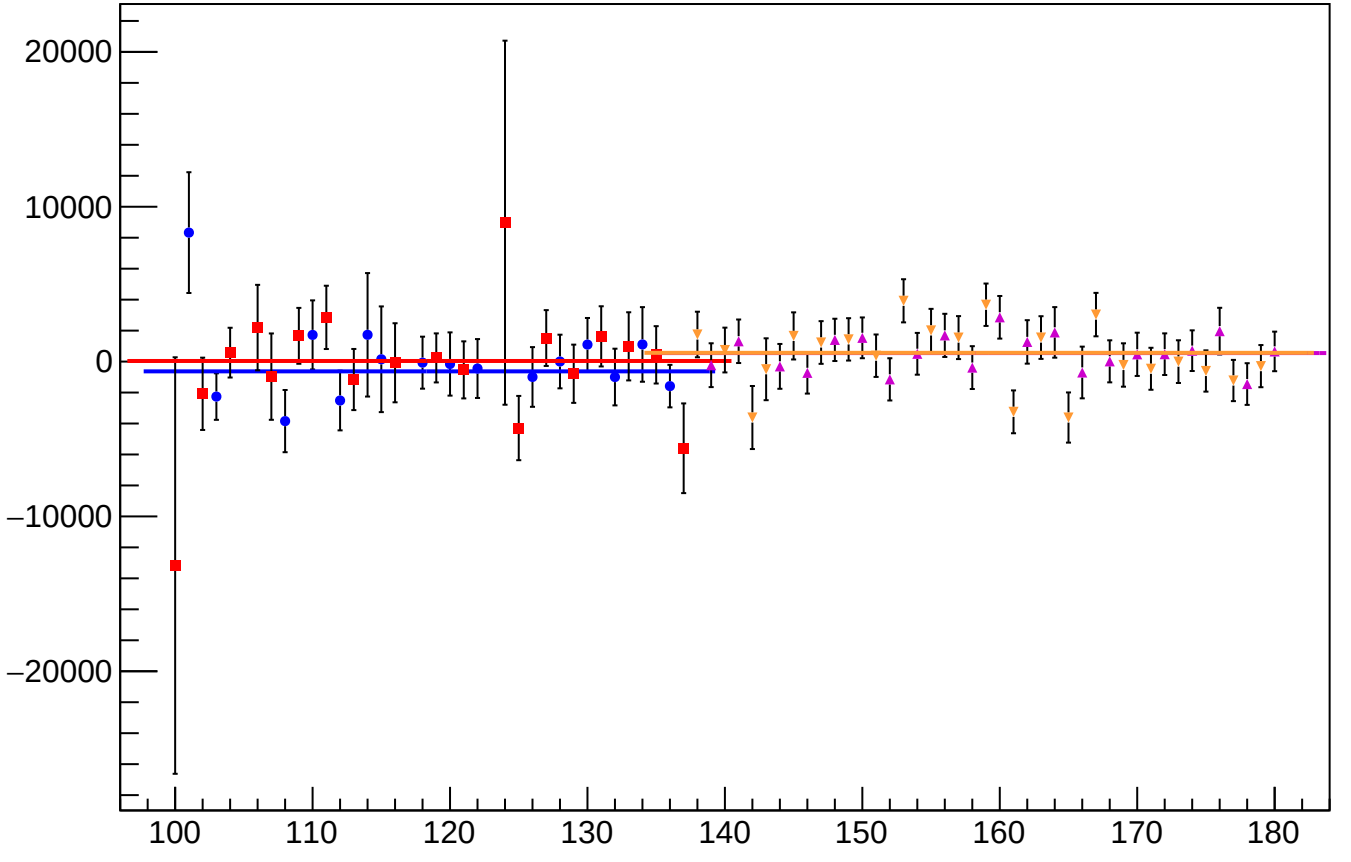
Left In: 4206.175+/-0.732 χ^2/NDF:1248623.3/20

+ sign 3601.715+/-0.538 χ^2/NDF: 4027703.8/37

All: 3588.286+/-0.380 χ^2/NDF: 8377128.8/77

- 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: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

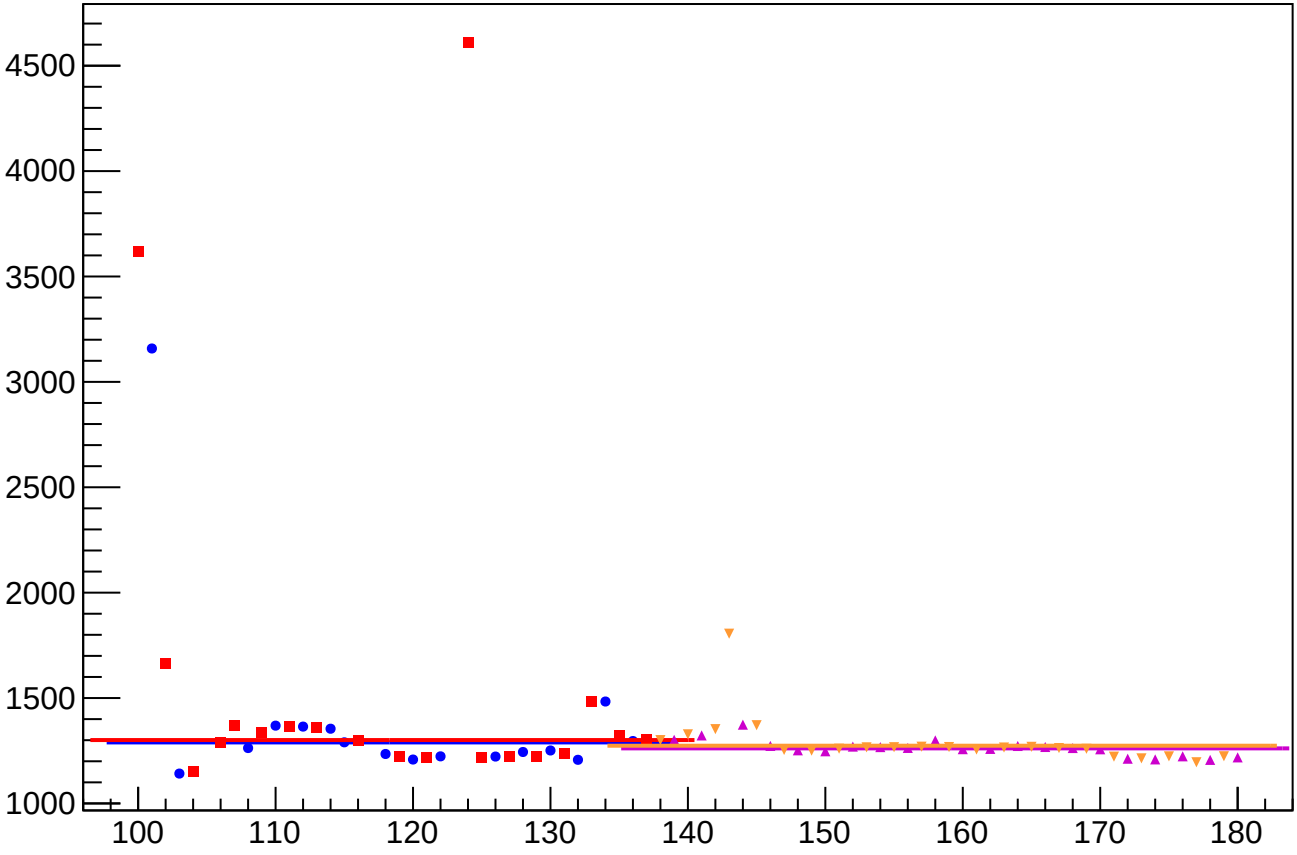
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 318.191+/-182.735 χ^2/NDF: 89.4/77

- 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: 1273.834+/-0.216 χ^2/NDF:177476.2/21

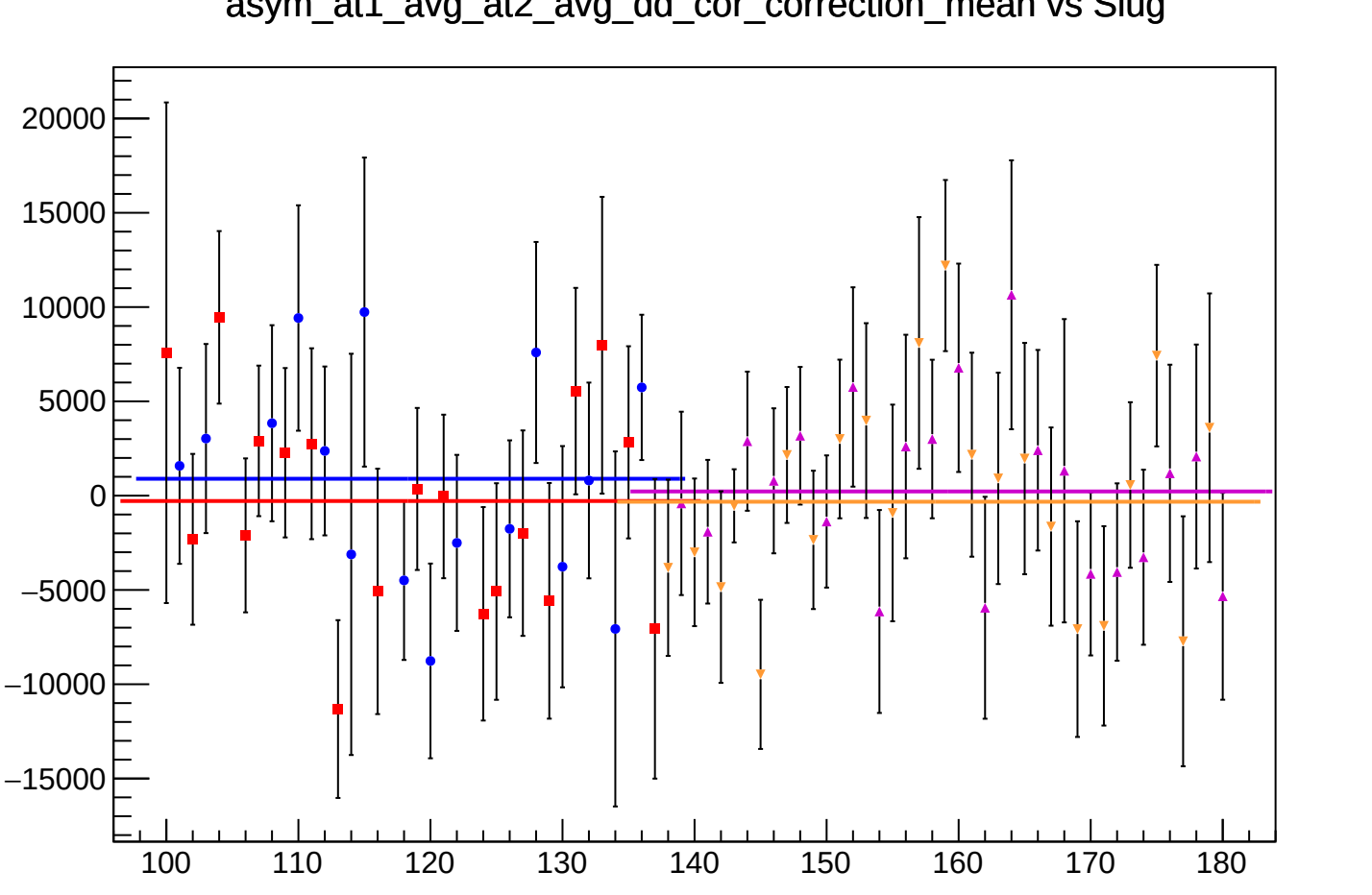
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

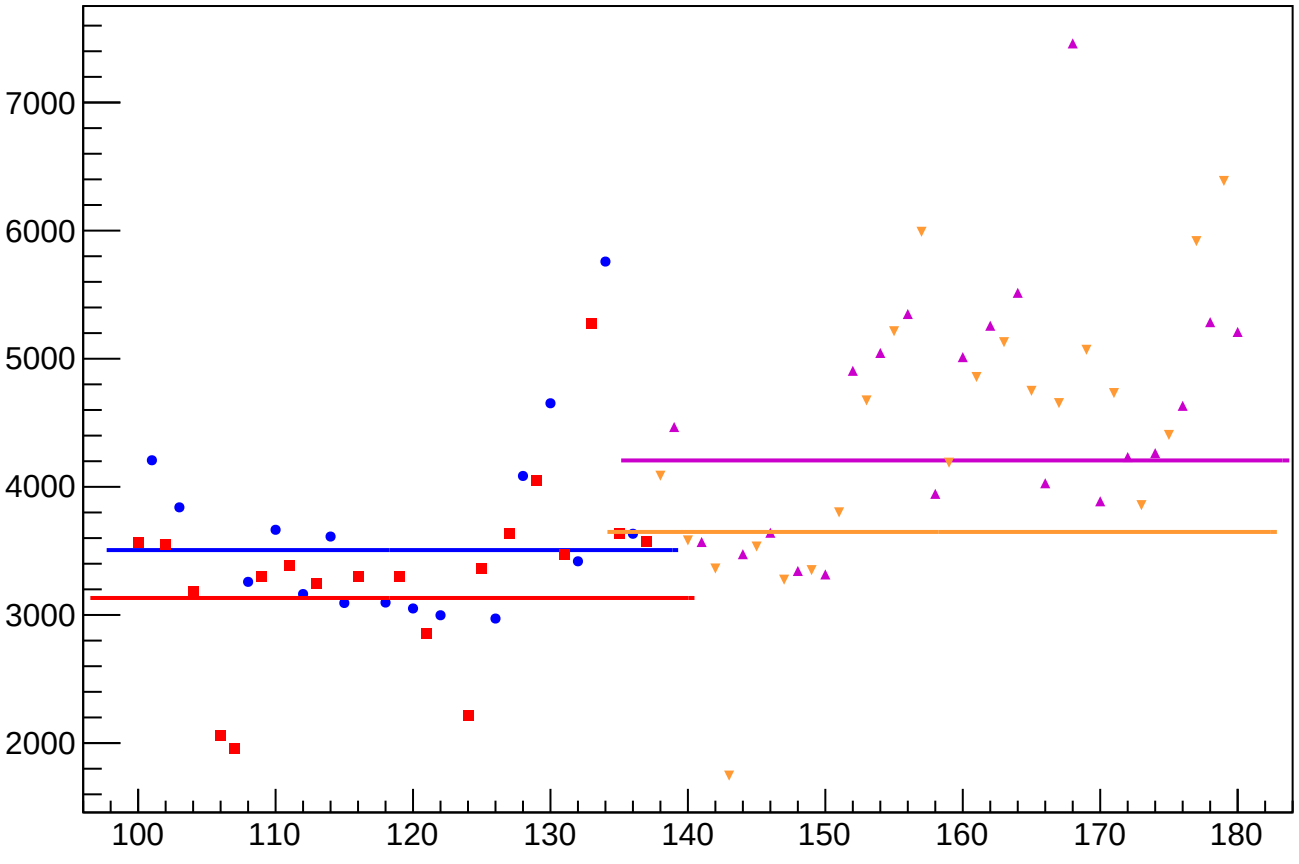
Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77

- sign 1272.234+/-0.182 χ^2/NDF: 367790.9/39


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -321.812+/-928.899 χ²/NDF:26.1/21
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 222.990+/-1035.185 χ²/NDF:13.2/20
+ sign 79.564+/-760.573 χ²/NDF: 40.8/37
All: 42.292+/-544.233 χ²/NDF: 72.7/77
- sign 3.183+/-779.086 χ²/NDF: 32.0/39



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

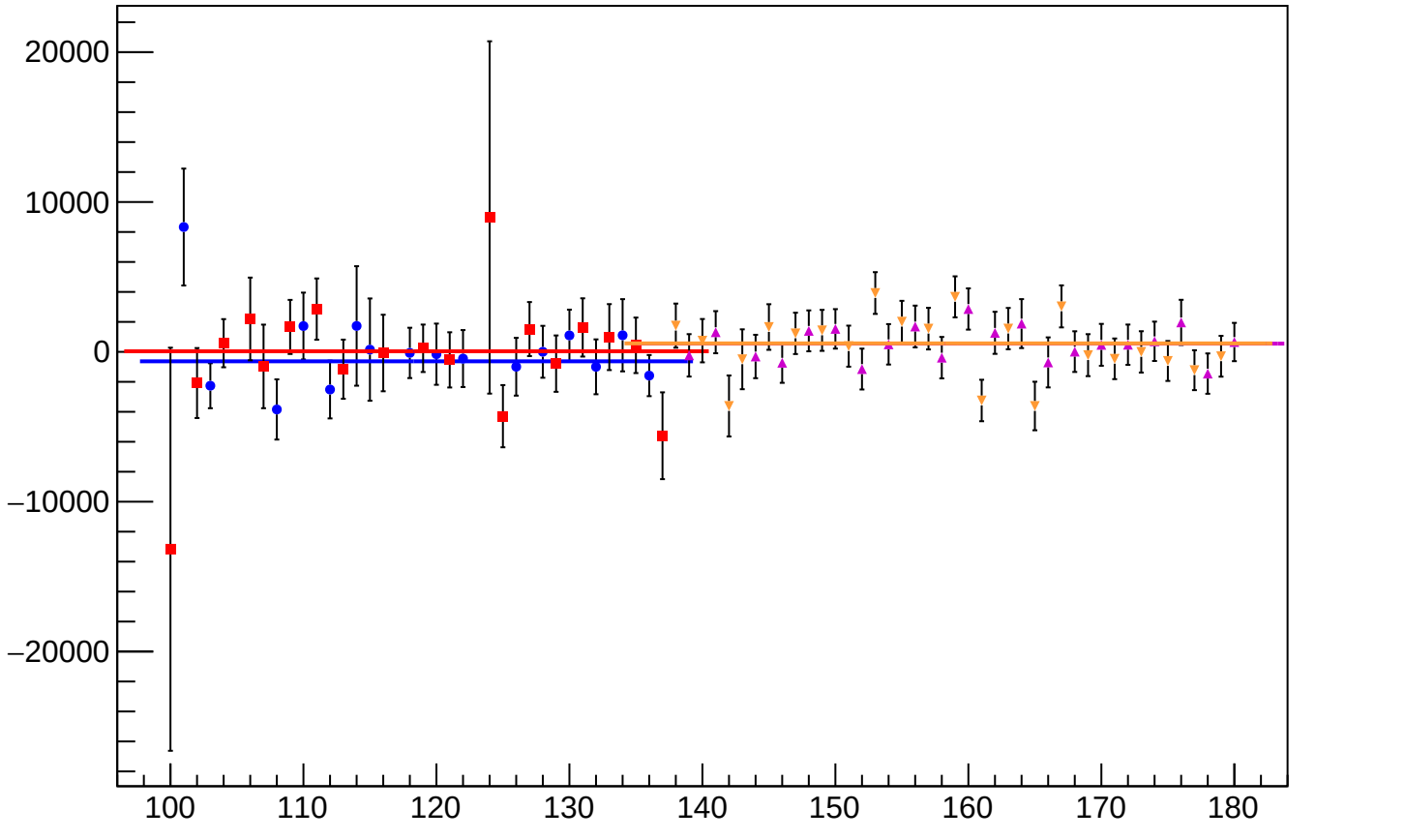
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77

- 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: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

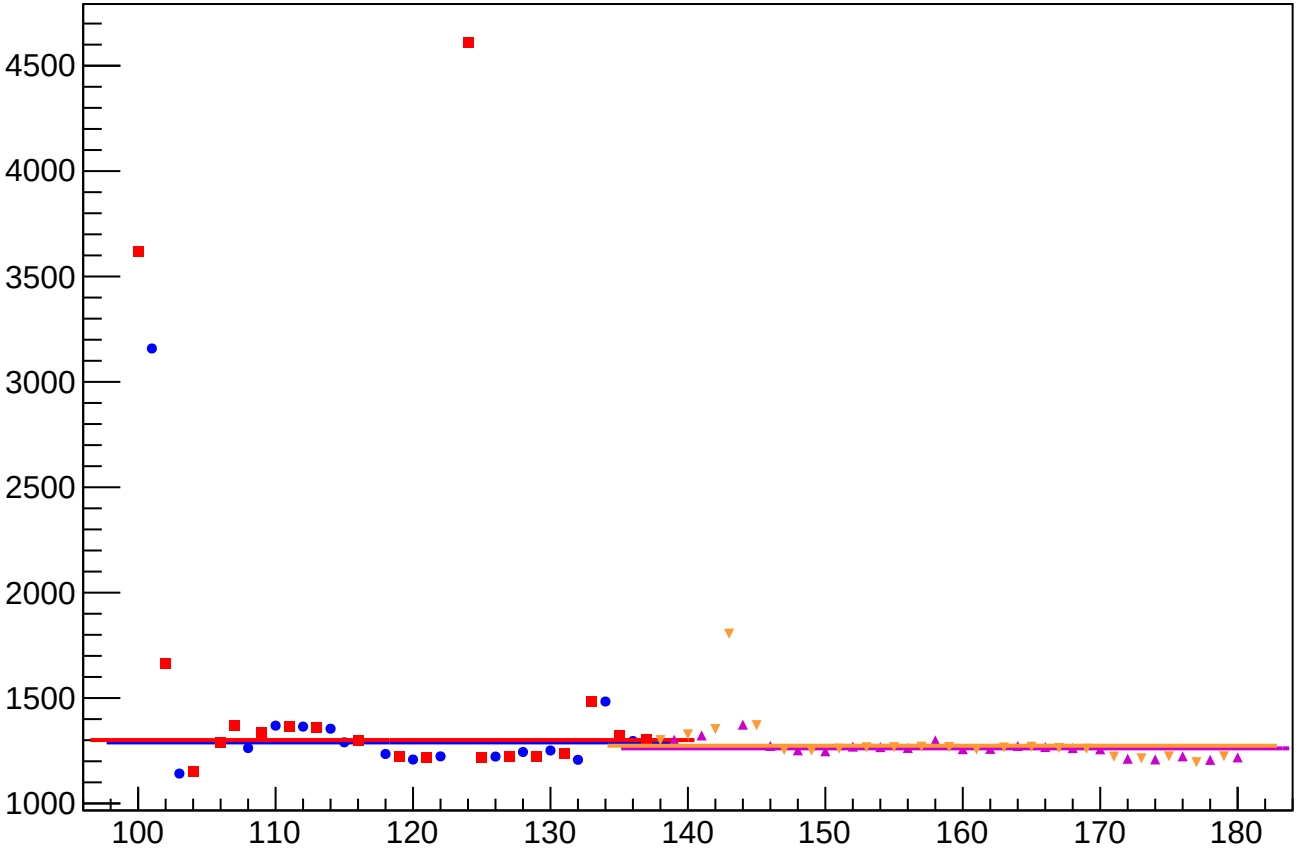
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 318.191+/-182.735 χ^2/NDF: 89.4/77

- 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: 1273.834+/-0.216 χ^2/NDF:177476.2/21

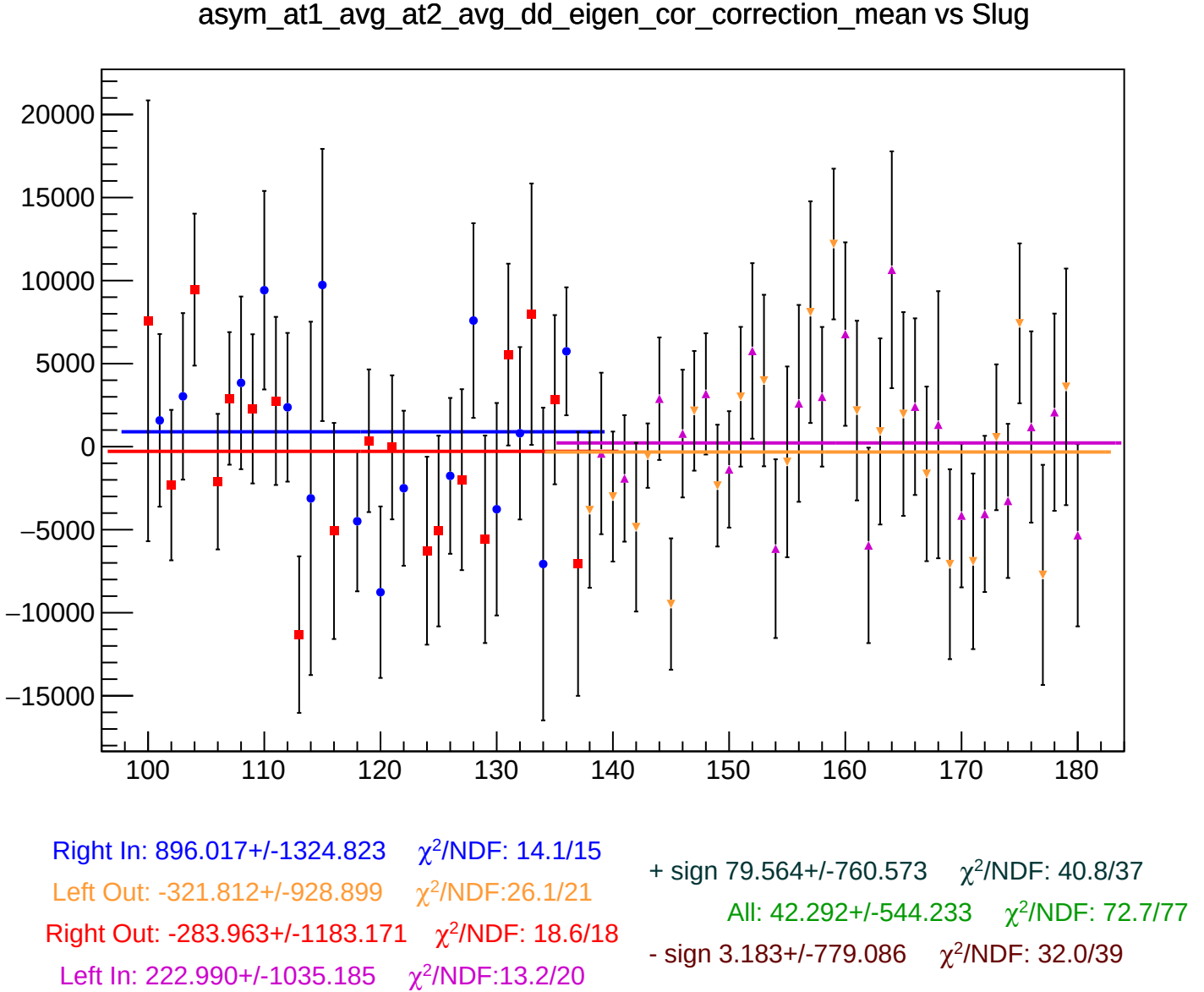
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

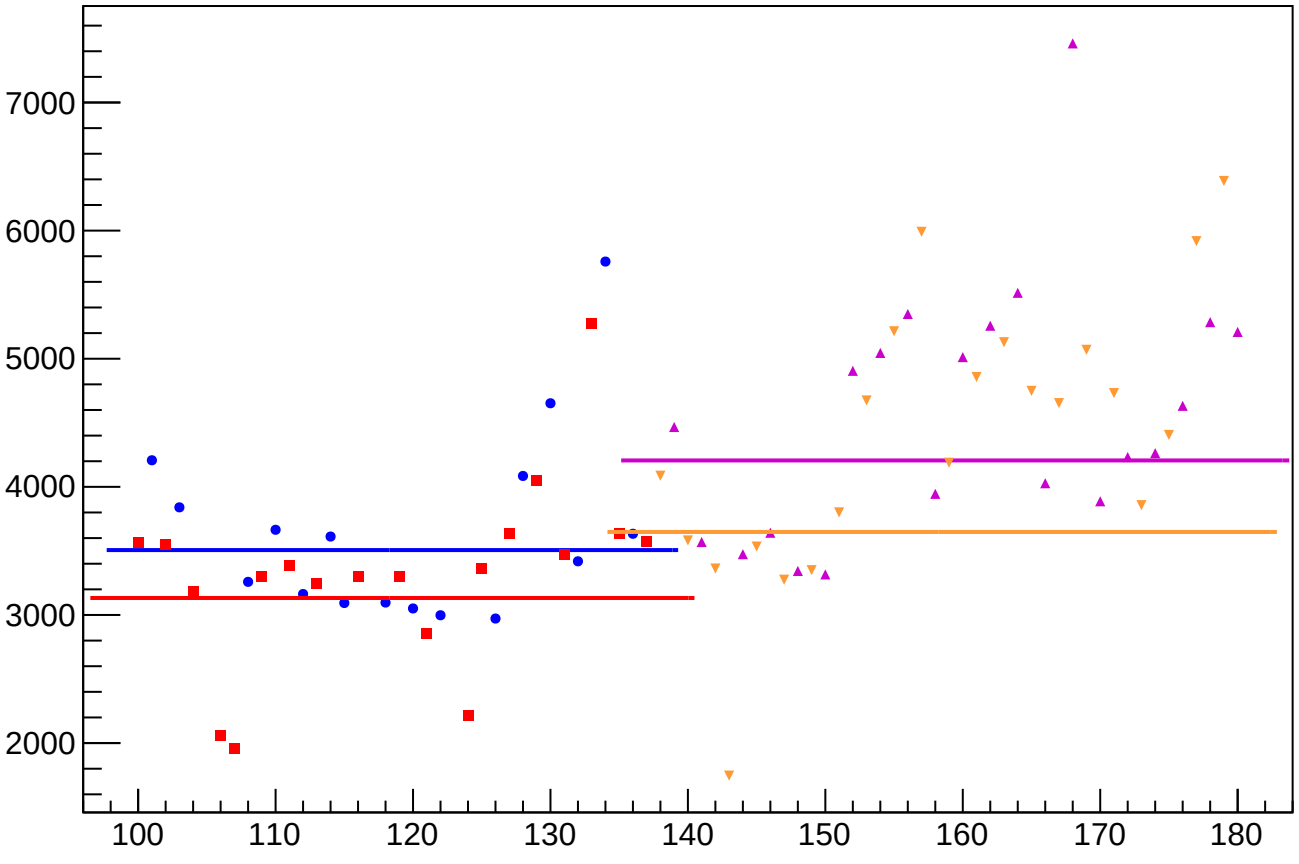
Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77

- 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: -321.812+/-928.899 χ²/NDF:26.1/21
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 222.990+/-1035.185 χ²/NDF:13.2/20
+ sign 79.564+/-760.573 χ²/NDF: 40.8/37
All: 42.292+/-544.233 χ²/NDF: 72.7/77
- sign 3.183+/-779.086 χ²/NDF: 32.0/39



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

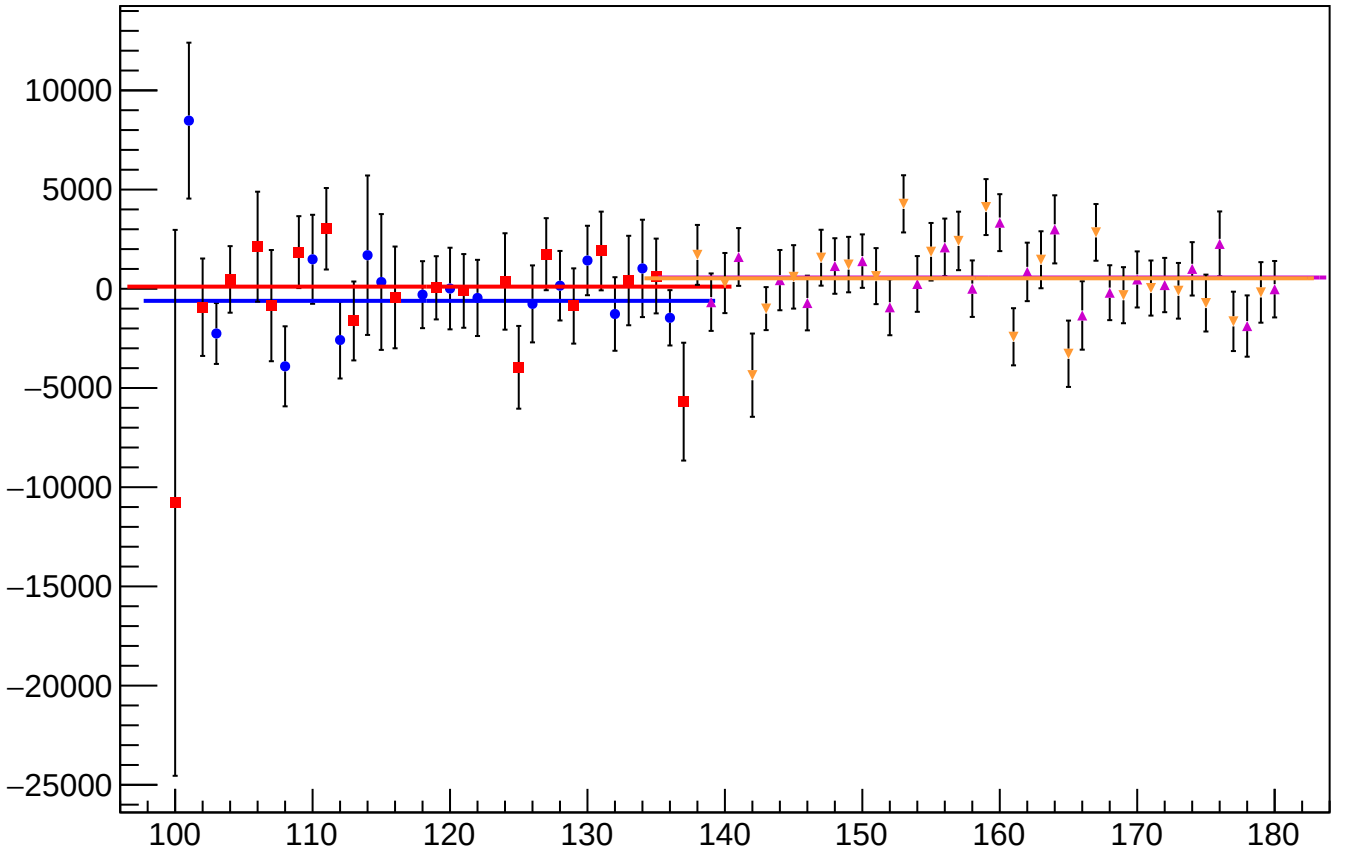
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77

- 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: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

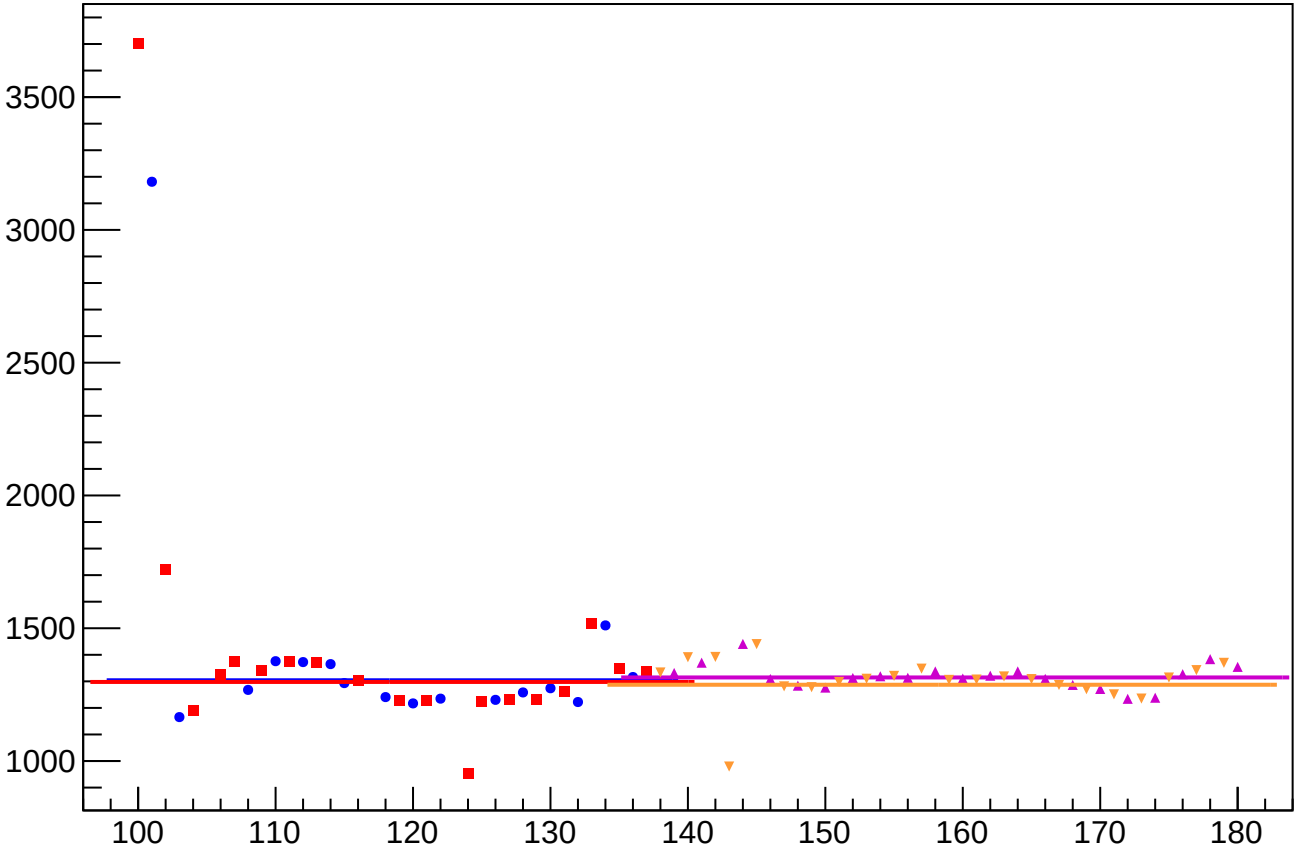
Left In: 568.638+/-316.767 χ^2/NDF:16.3/20

\+ sign 209.480+/-261.889 χ^2/NDF: 58.7/37

All: 318.954+/-186.379 χ^2/NDF: 90.9/77

\- 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: 1287.223+/-0.218 χ^2/NDF:216809.4/21

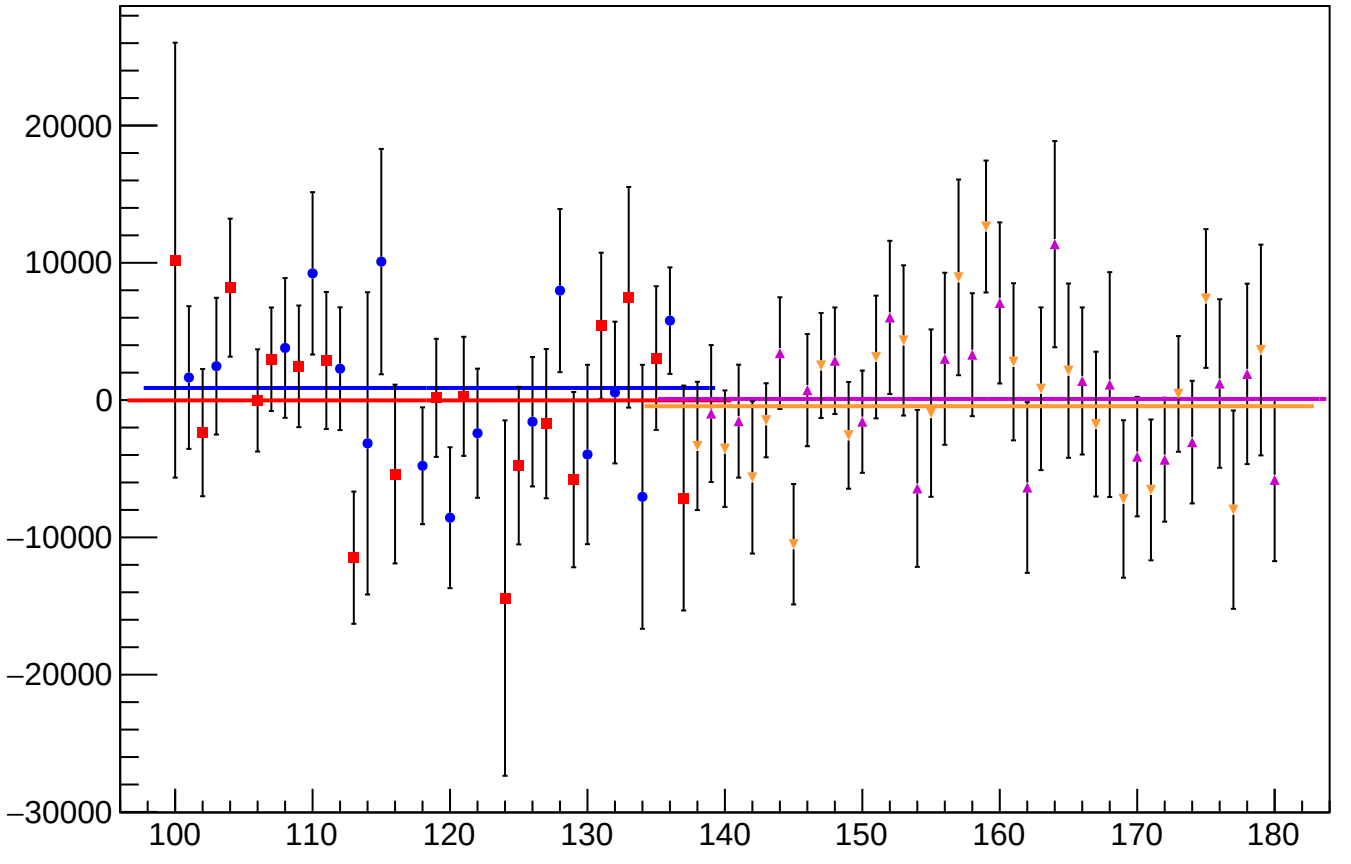
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.719+/-0.224 χ^2/NDF:42300.5/20

+ sign 1291.964+/-0.185 χ^2/NDF: 729076.8/37

All: 1300.700+/-0.132 χ^2/NDF: 990688.6/77

- 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: -443.270+/-1025.523 χ^2/NDF:25.9/21

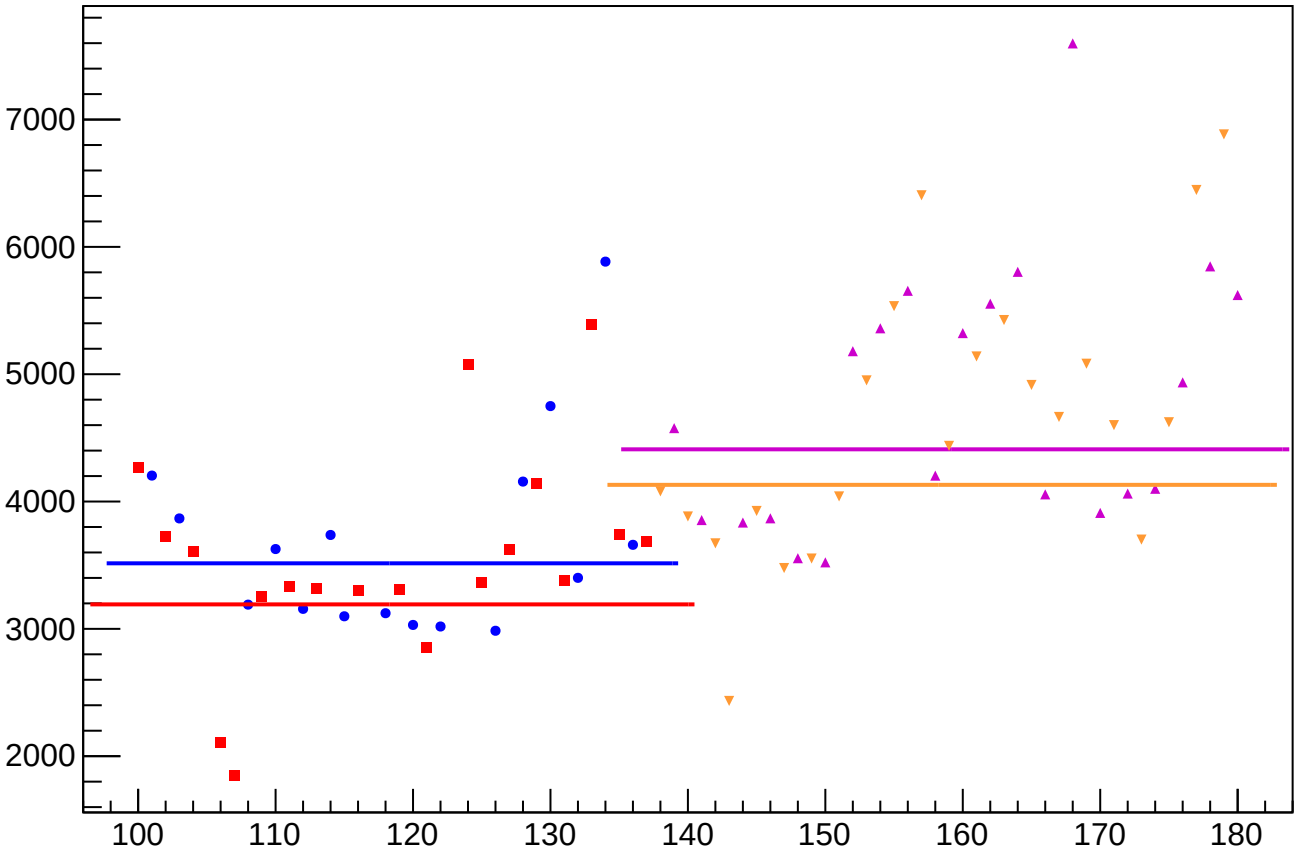
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.423 χ^2/NDF:13.1/20

+ sign 52.858+/-811.538 χ^2/NDF: 40.6/37

All: 44.321+/-571.512 χ^2/NDF: 70.5/77

- 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: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

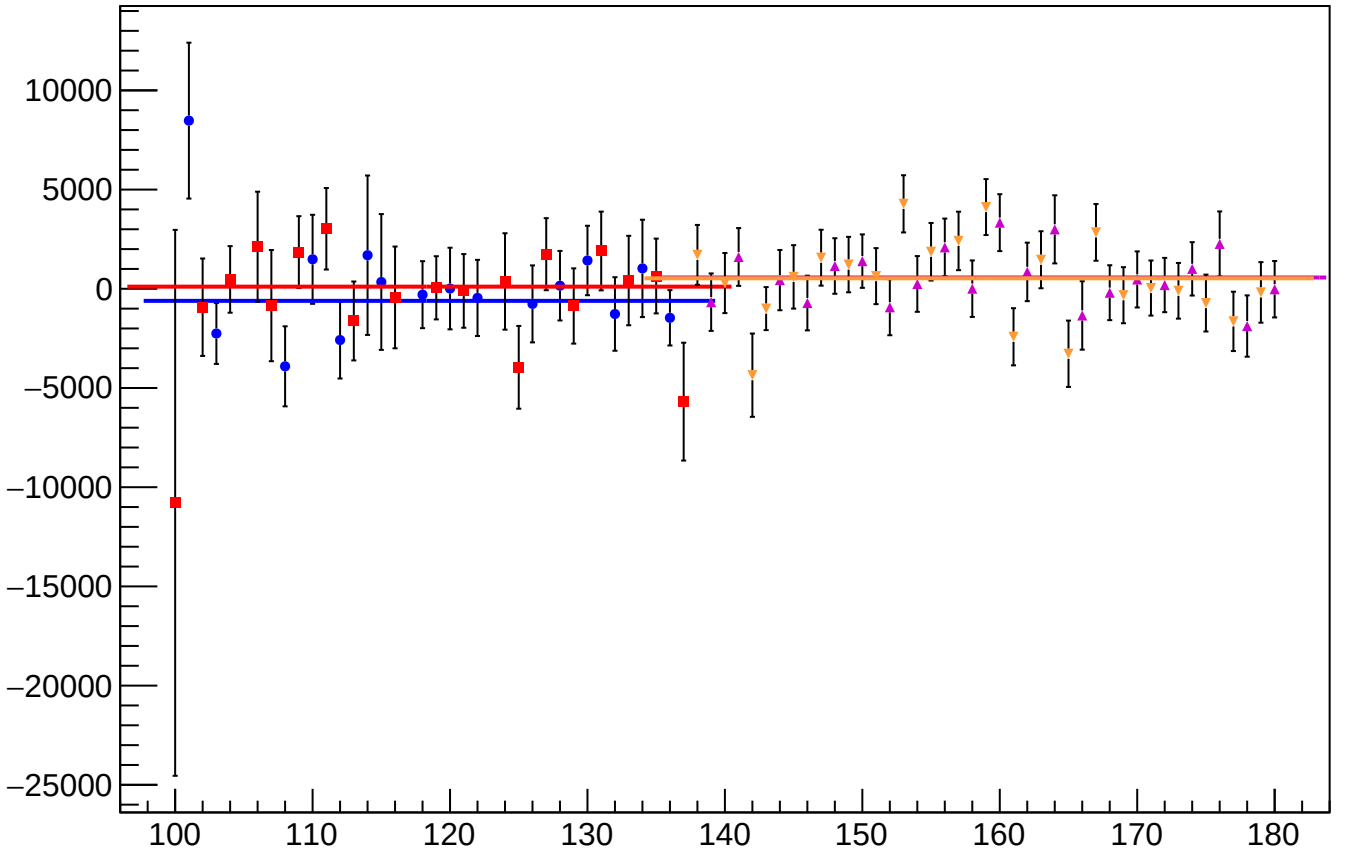
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4410.019+/-0.768 χ^2/NDF:1239942.6/20

+ sign 3900.689+/-0.574 χ^2/NDF: 2710921.9/37

All: 3881.198+/-0.404 χ^2/NDF: 5858555.1/77

- 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: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

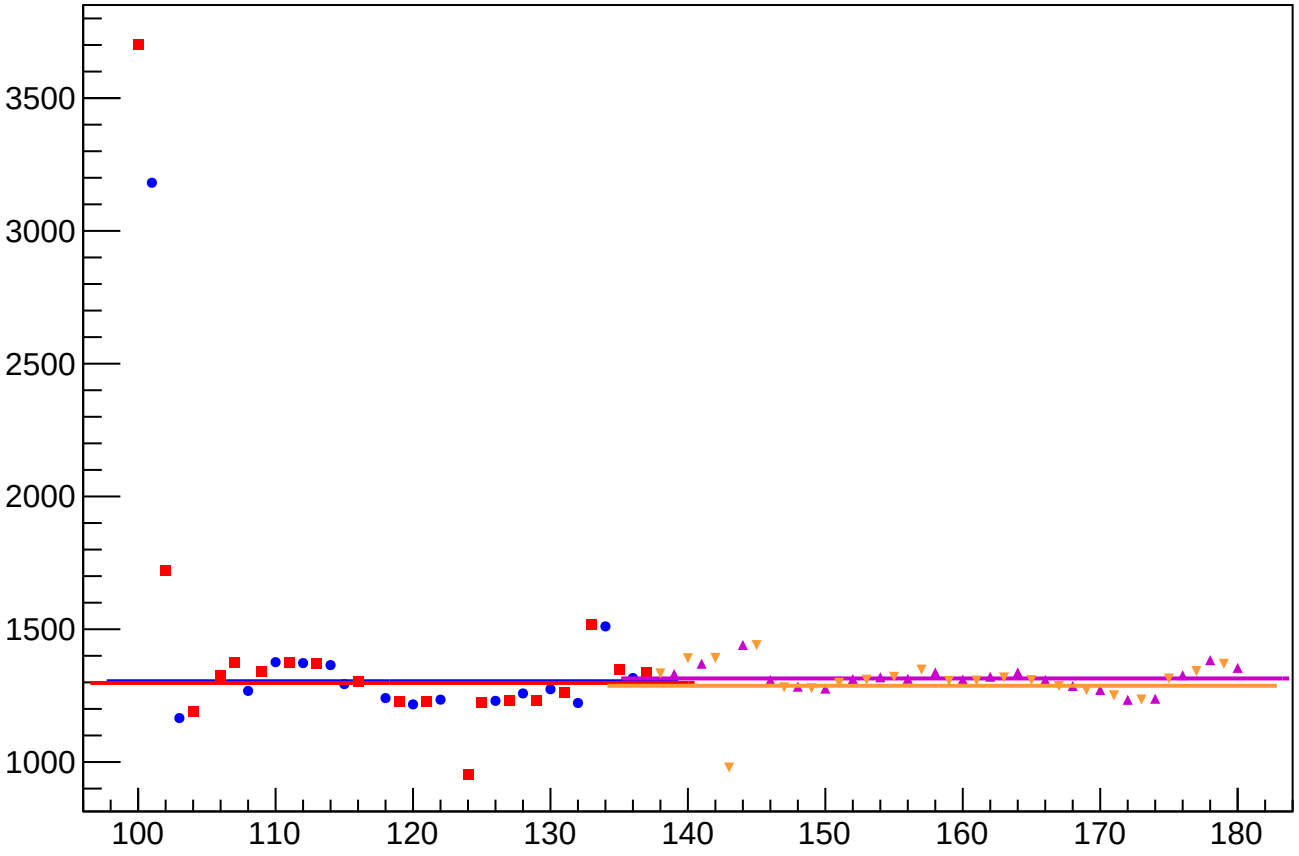
Left In: 568.639+/-316.768 χ^2/NDF:16.3/20

\+ sign 209.481+/-261.890 χ^2/NDF: 58.7/37

All: 318.956+/-186.379 χ^2/NDF: 90.9/77

\- 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: 1287.224+/-0.218 χ^2/NDF:216812.0/21

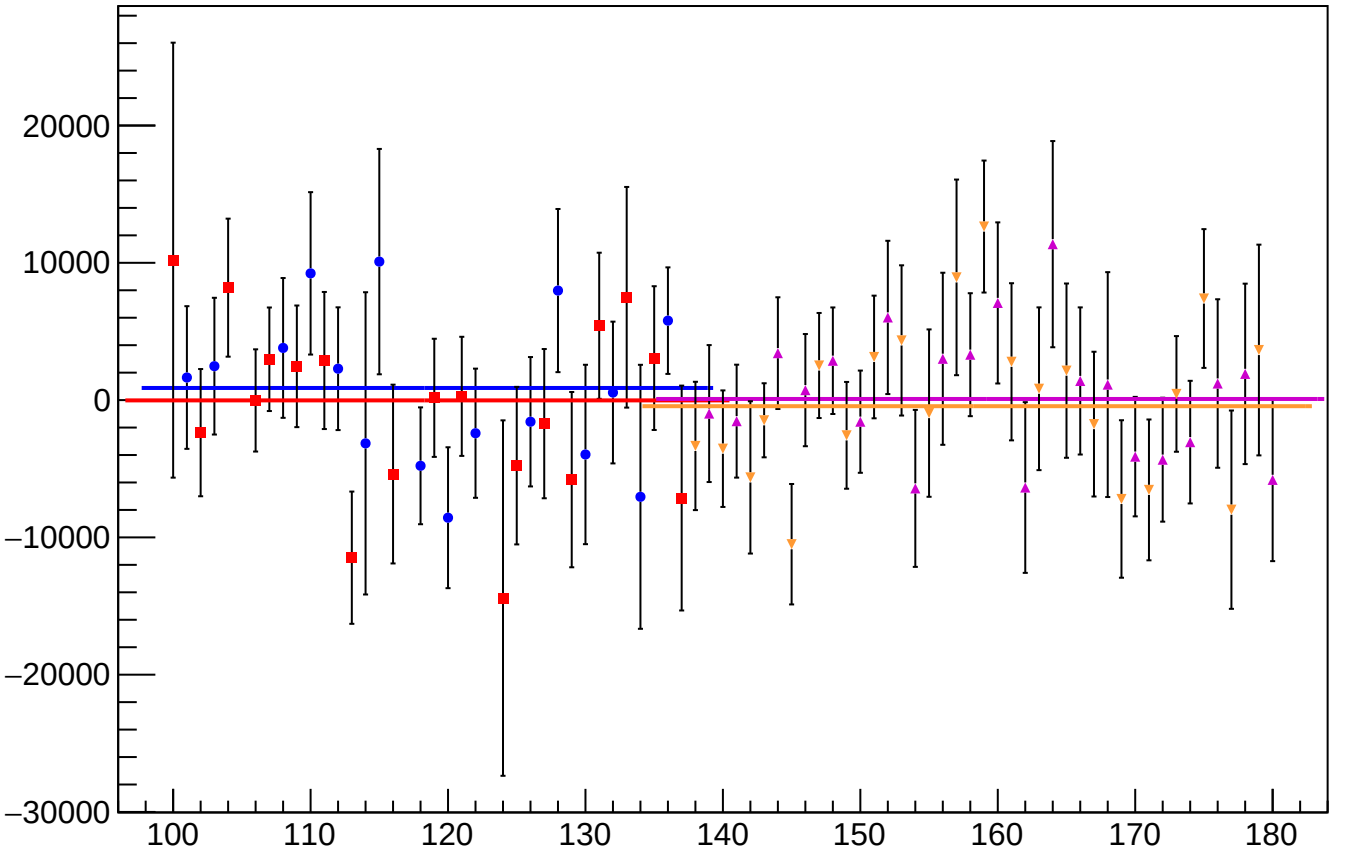
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.720+/-0.224 χ^2/NDF:42302.6/20

+ sign 1291.964+/-0.185 χ^2/NDF: 729079.3/37

All: 1300.701+/-0.132 χ^2/NDF: 990693.7/77

- 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: -443.268+/-1025.525 χ^2/NDF:25.9/21

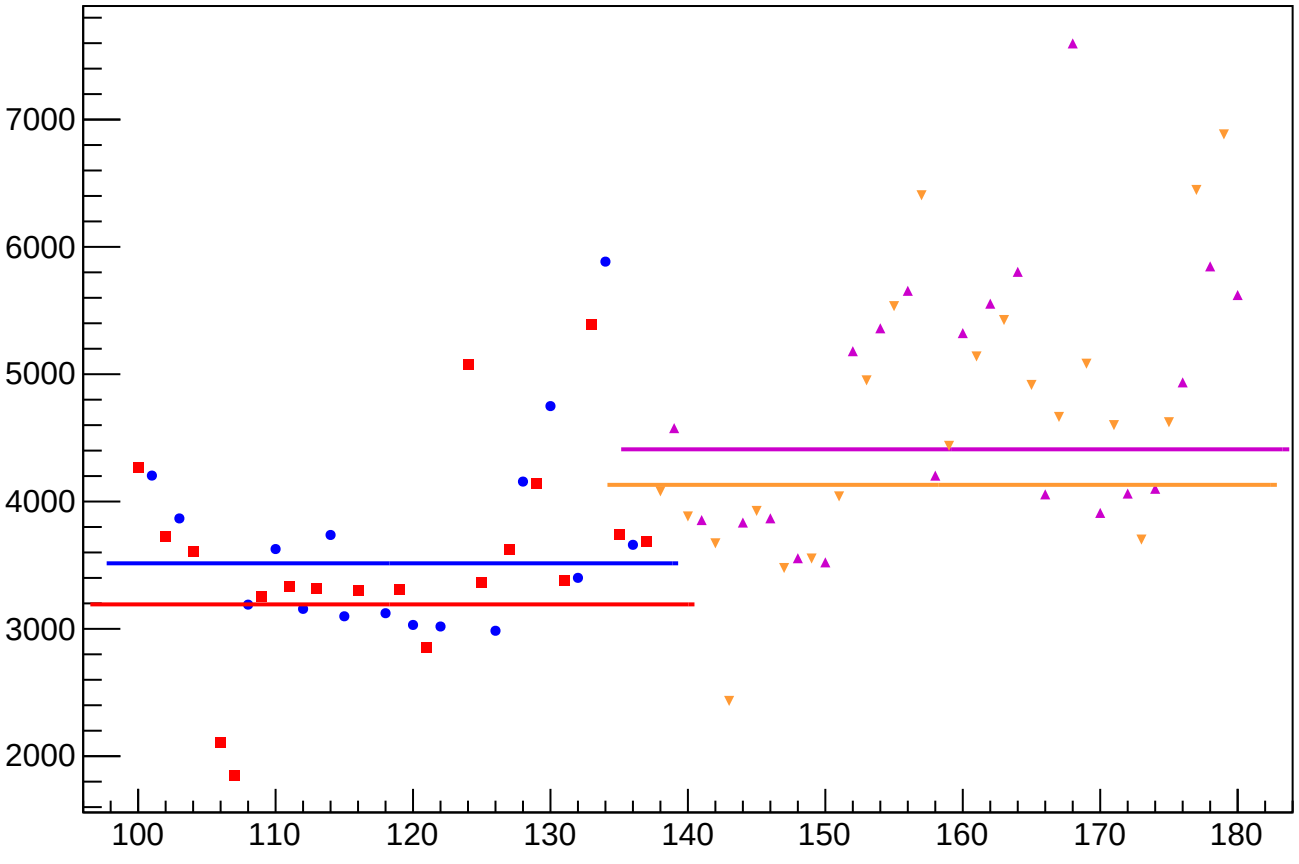
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.424 χ^2/NDF:13.1/20

+ sign 52.858+/-811.539 χ^2/NDF: 40.6/37

All: 44.321+/-571.512 χ^2/NDF: 70.5/77

- 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: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

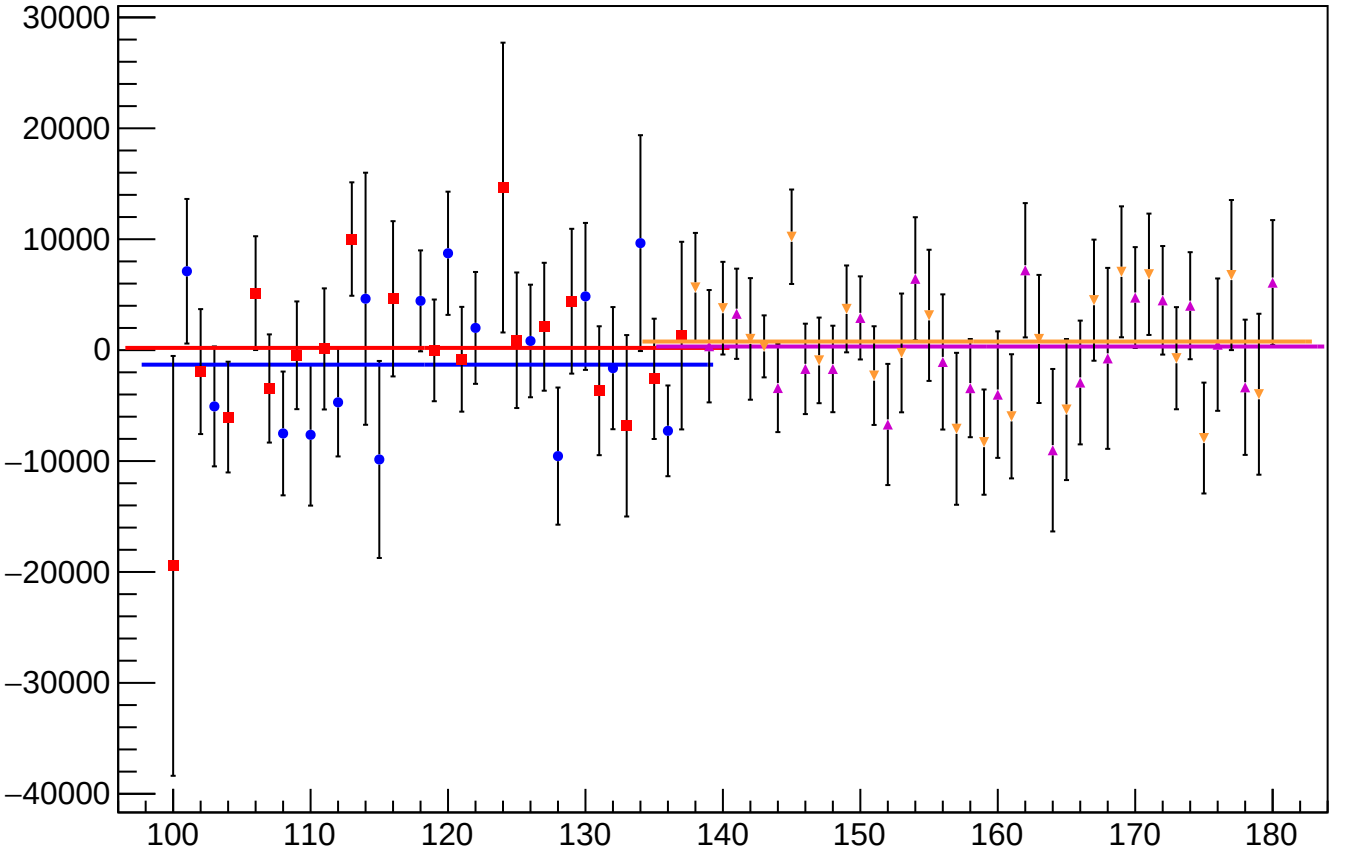
Left In: 4410.026+/-0.768 χ^2/NDF:1239946.7/20

\+ sign 3900.689+/-0.574 χ^2/NDF: 2710943.4/37

All: 3881.196+/-0.404 χ^2/NDF: 5858611.7/77

\- 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: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

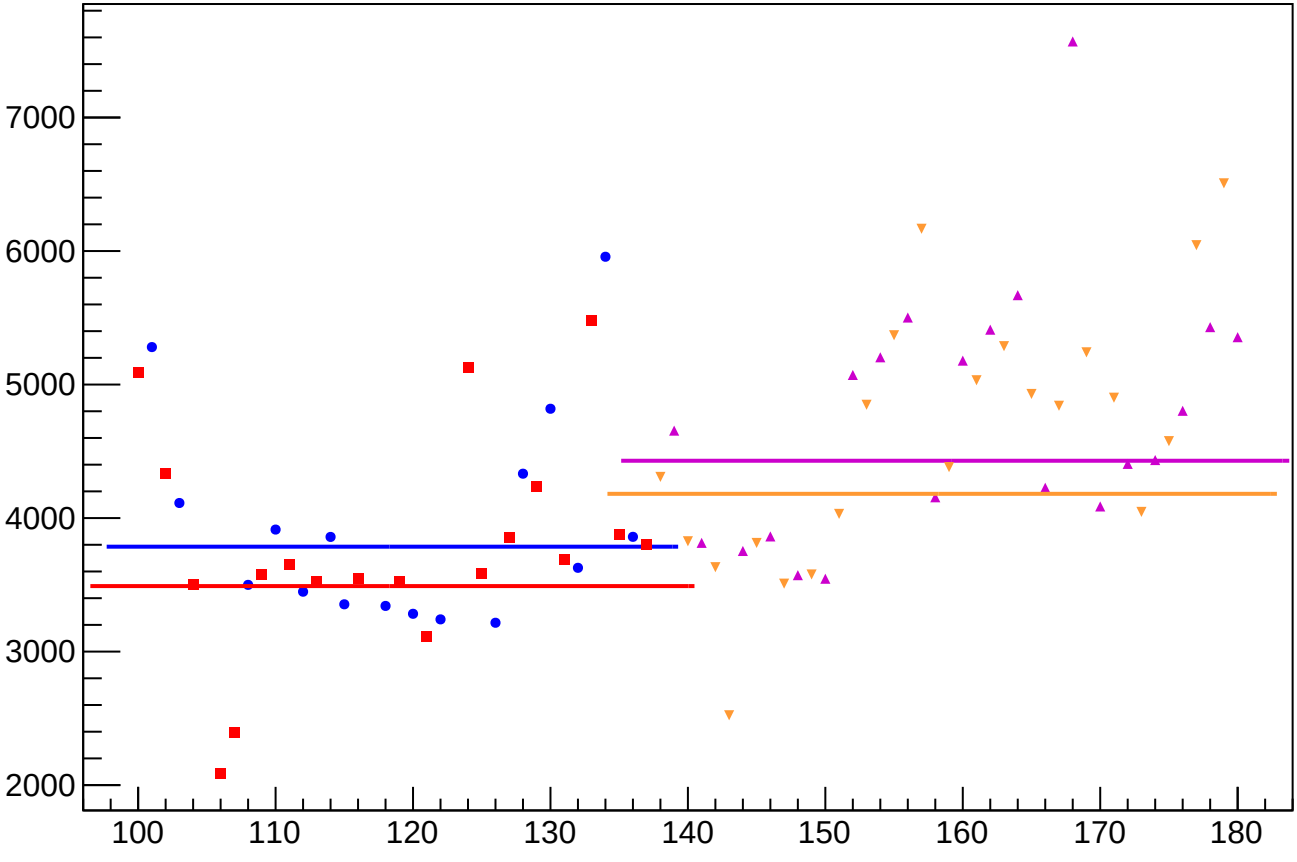
Left In: 324.975+/-1086.468 χ^2/NDF:13.5/20

\+ sign 62.260+/-837.593 χ^2/NDF: 41.4/37

All: 168.382+/-594.149 χ^2/NDF: 66.6/77

\- 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: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

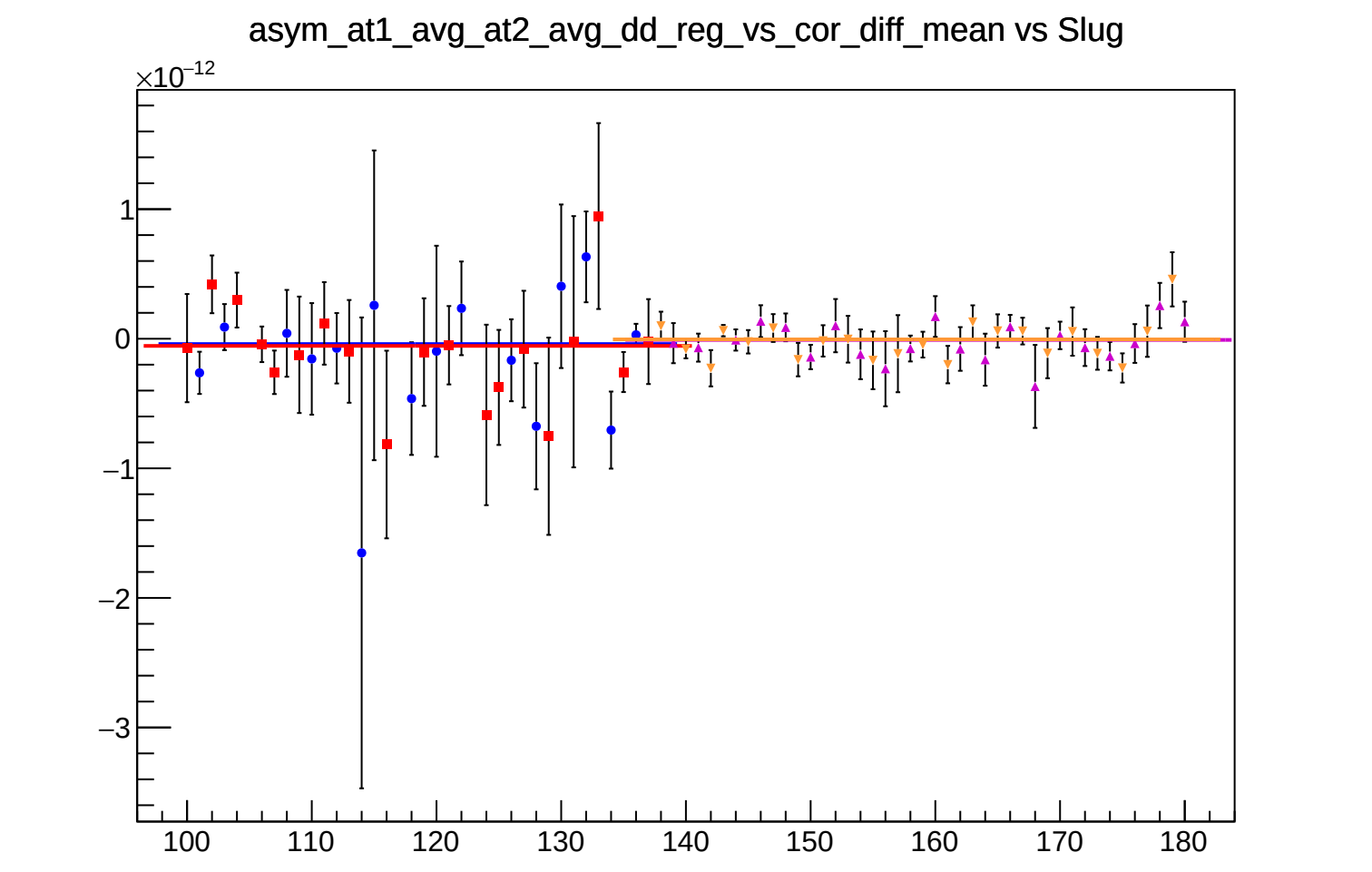
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4429.354+/-0.768 χ^2/NDF:1060790.8/20

+ sign 4046.115+/-0.592 χ^2/NDF: 2279129.2/37

All: 4047.803+/-0.419 χ^2/NDF: 4530828.4/77

- sign 4049.495+/-0.593 χ^2/NDF: 2251683.0/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/21

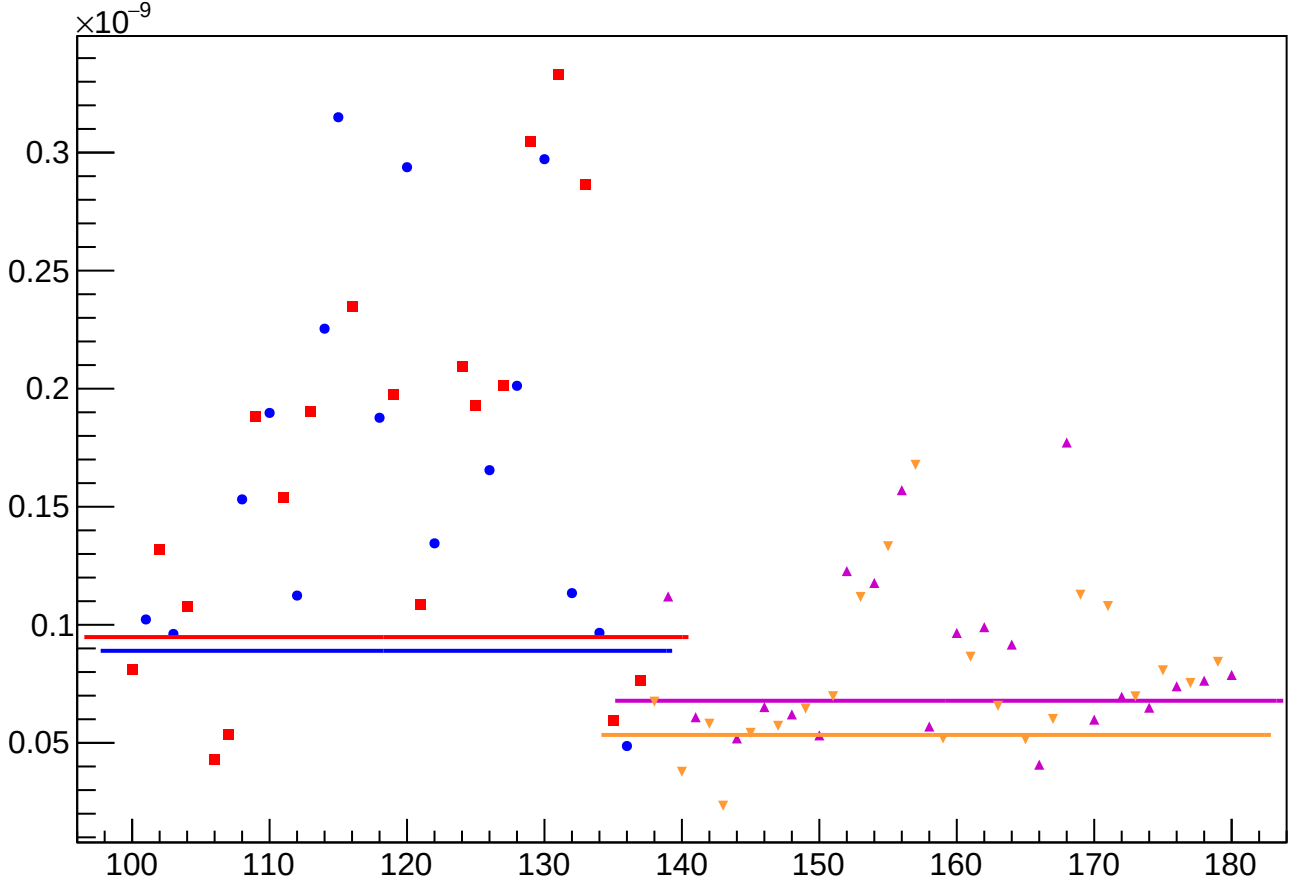
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/37

All: -0.000+/-0.000 χ^2/NDF: 72.2/77

- sign -0.000+/-0.000 χ^2/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:2592157.7/21

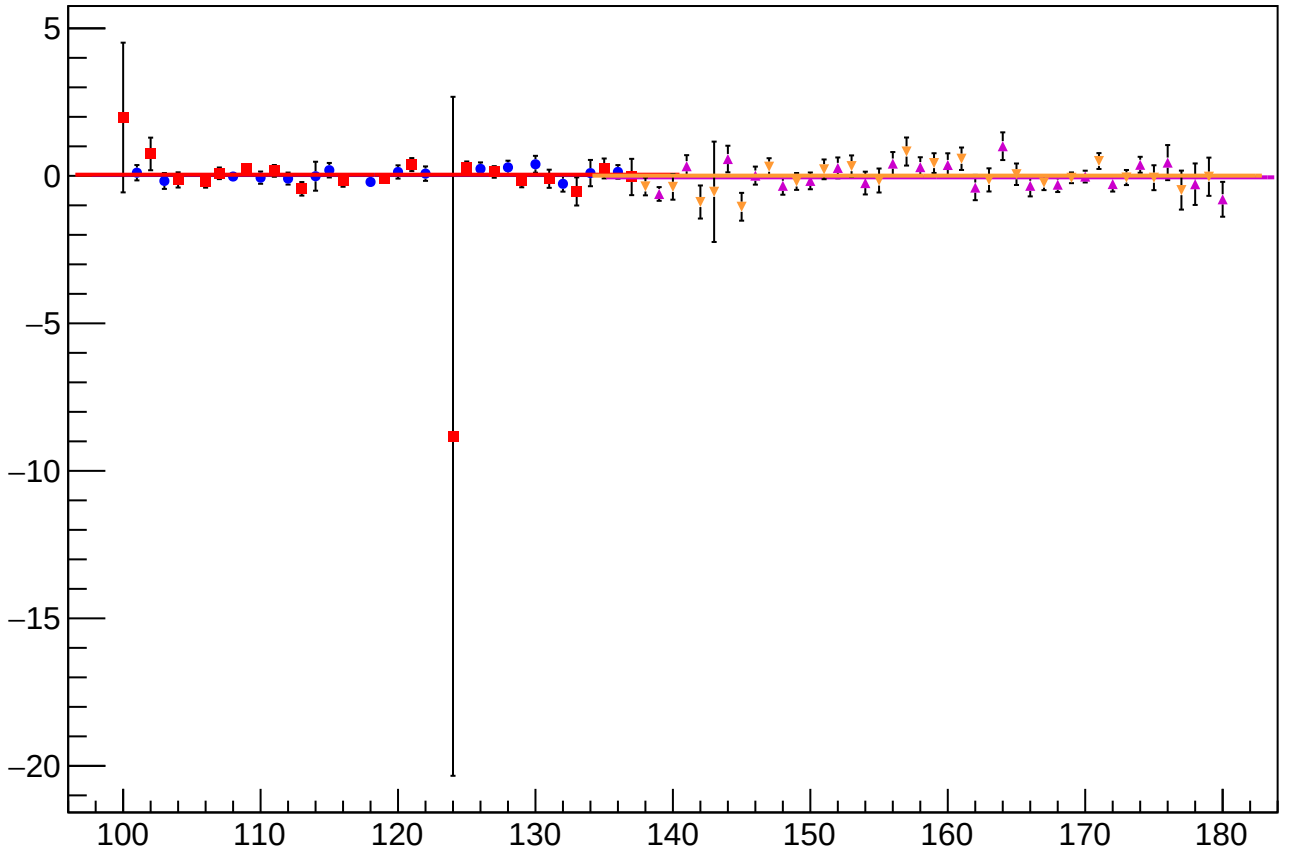
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1395768.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 4684290.4/37

All: 0.000+/-0.000 χ^2/NDF: 8463792.9/77

- 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: 0.007+/-0.072 χ^2/NDF:24.8/21

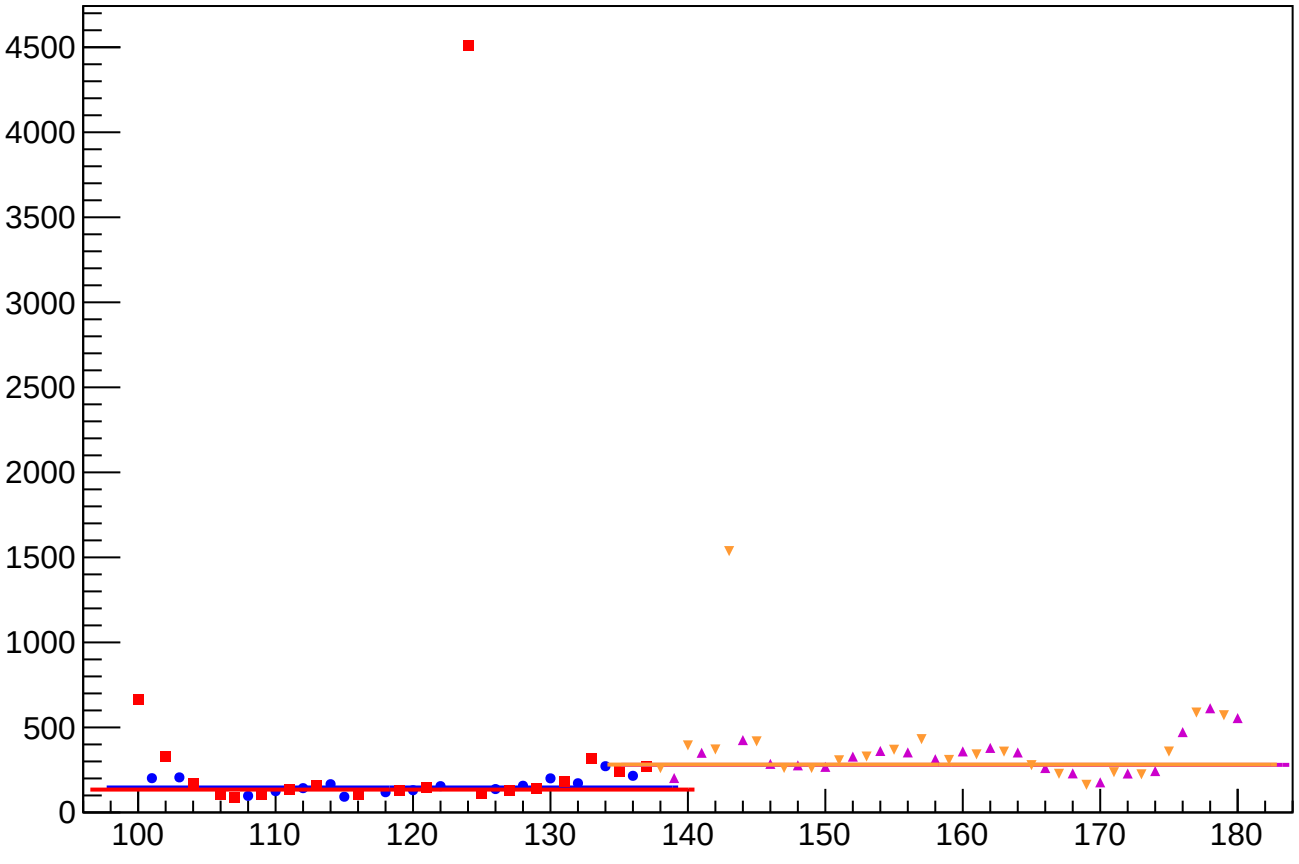
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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: 281.543+/-0.051 χ^2/NDF:3942972.6/21

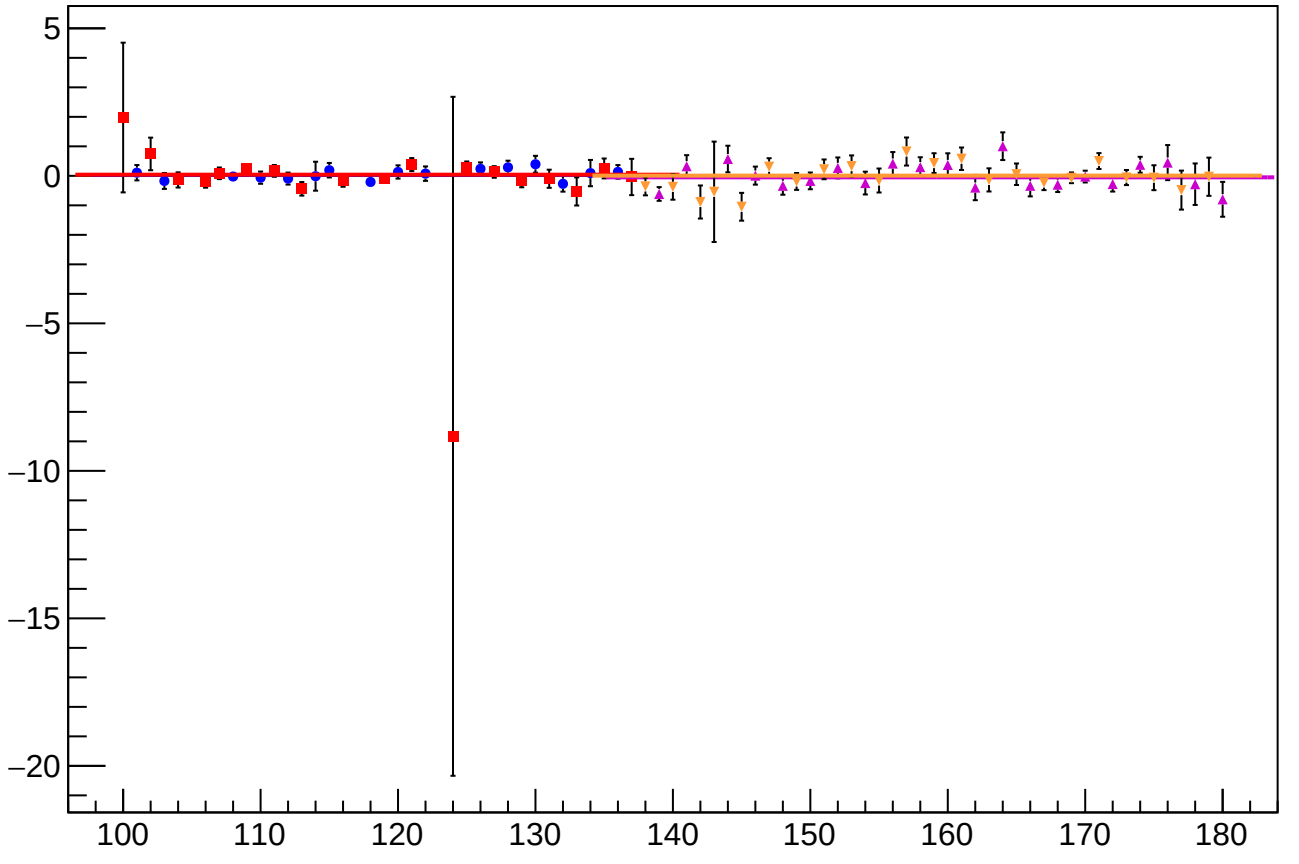
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77

- 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: 0.007+/-0.072 χ^2/NDF:24.8/21

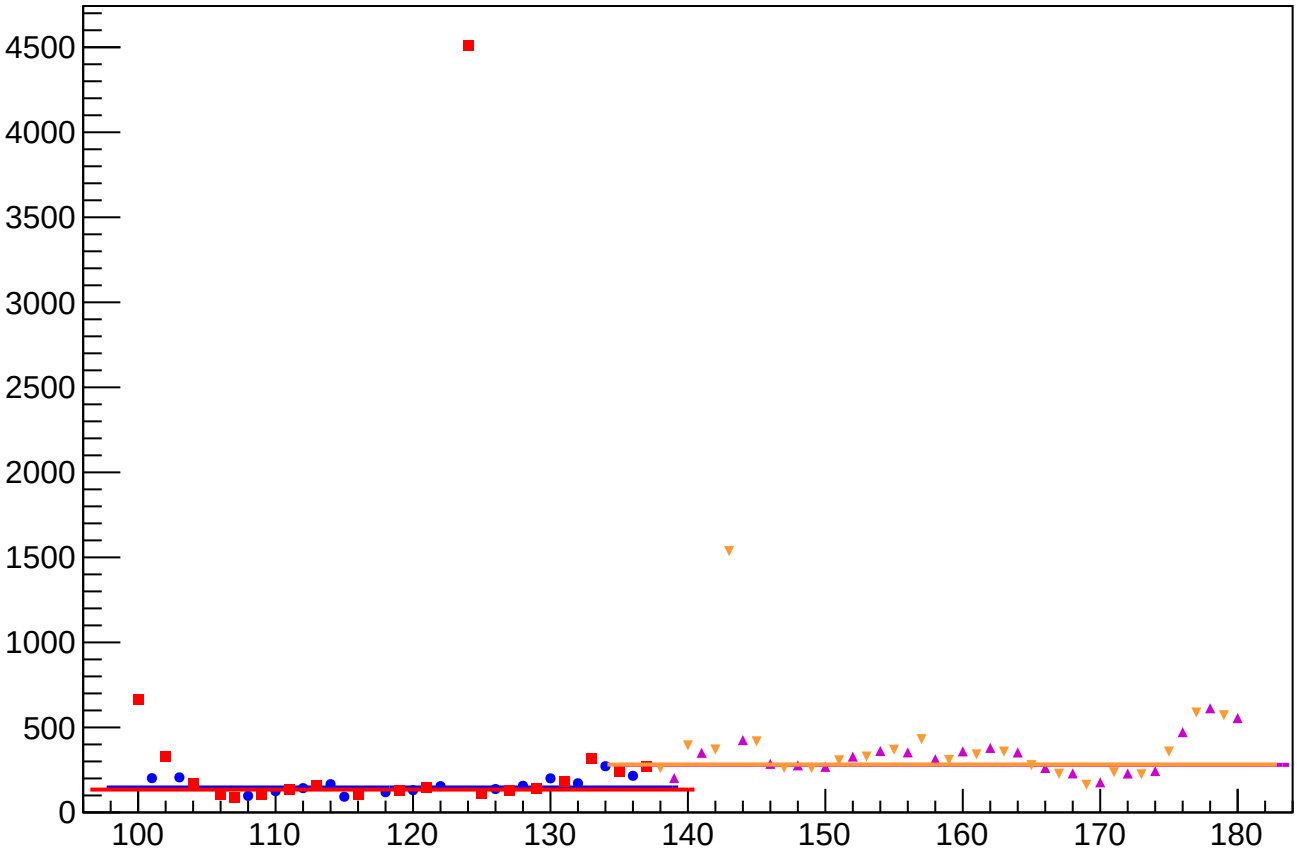
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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: 281.543+/-0.051 χ^2/NDF:3942972.6/21

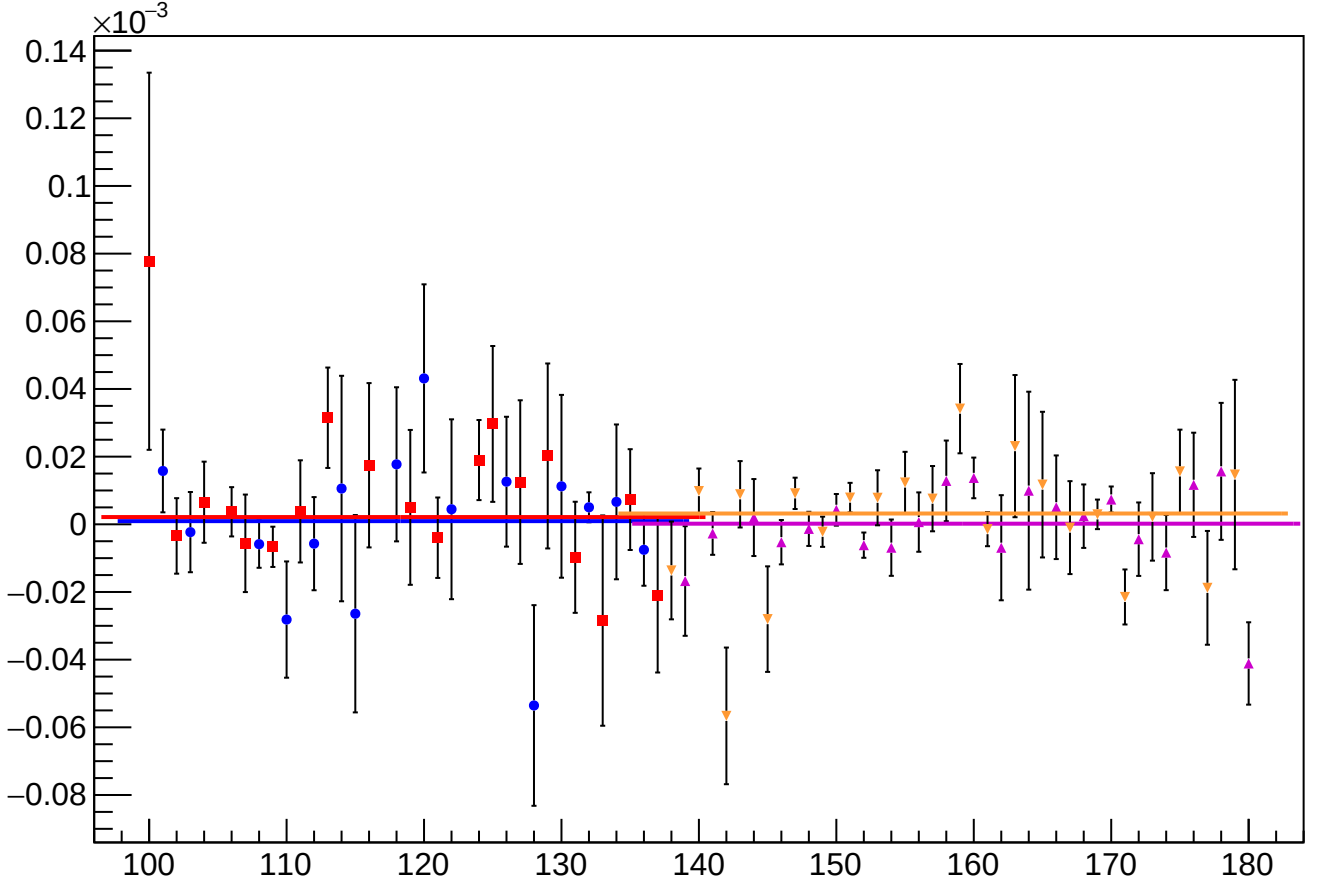
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77

- 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:40.9/21

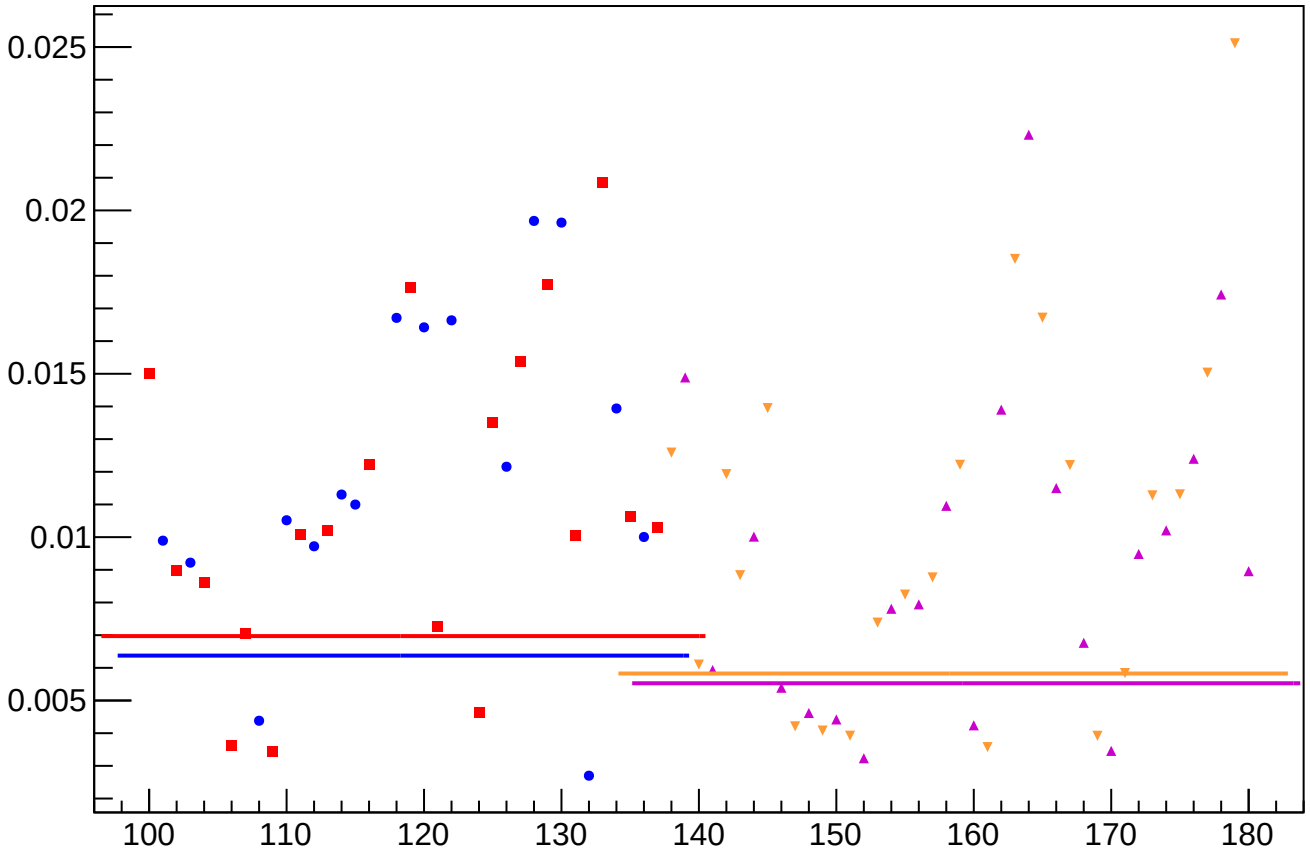
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:30.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/37

All: 0.000+/-0.000 χ^2/NDF: 103.7/77

- 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:7905607.3/21

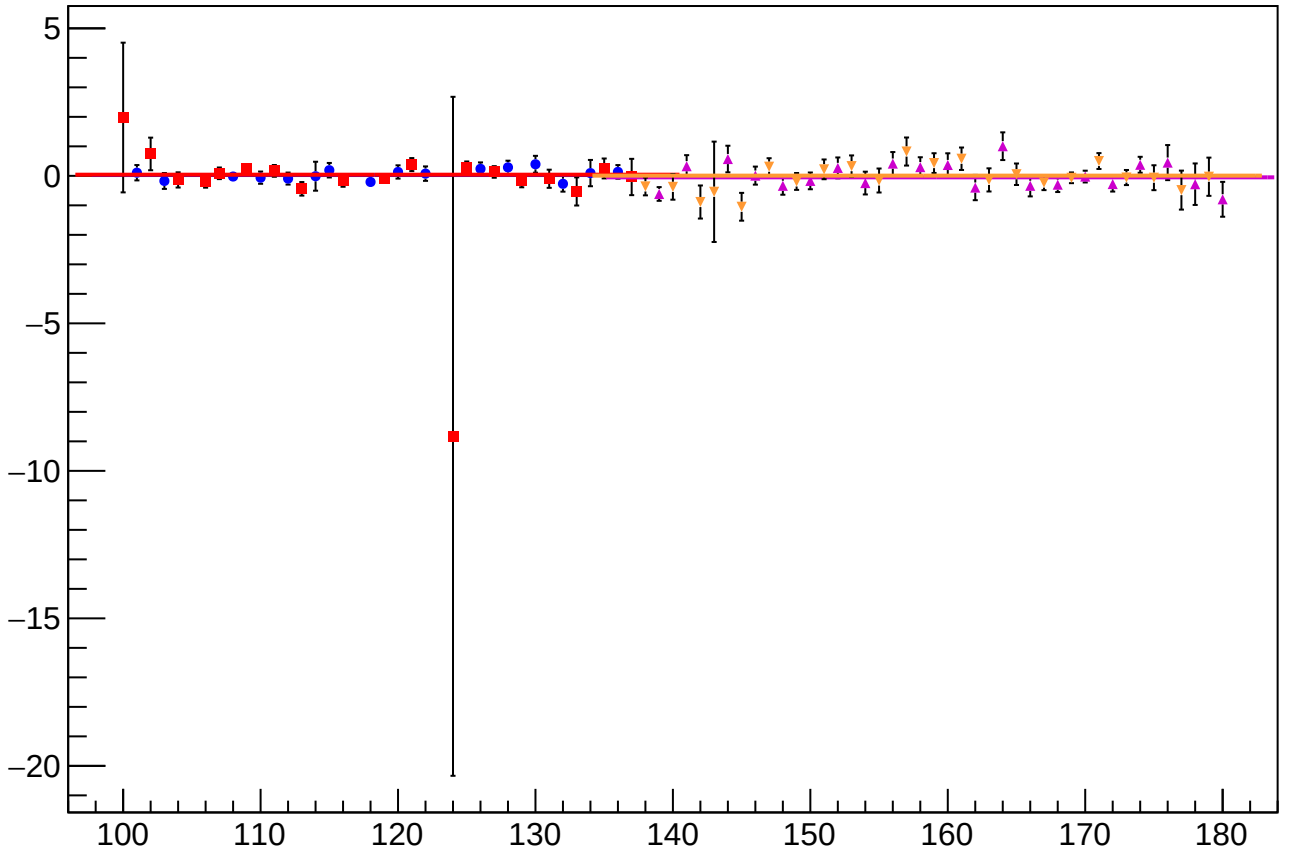
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:6756812.9/20

+ sign 0.006+/-0.000 χ^2/NDF: 12598679.7/37

All: 0.006+/-0.000 χ^2/NDF: 23131495.4/77

- 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: 0.007+/-0.072 χ^2/NDF:24.8/21

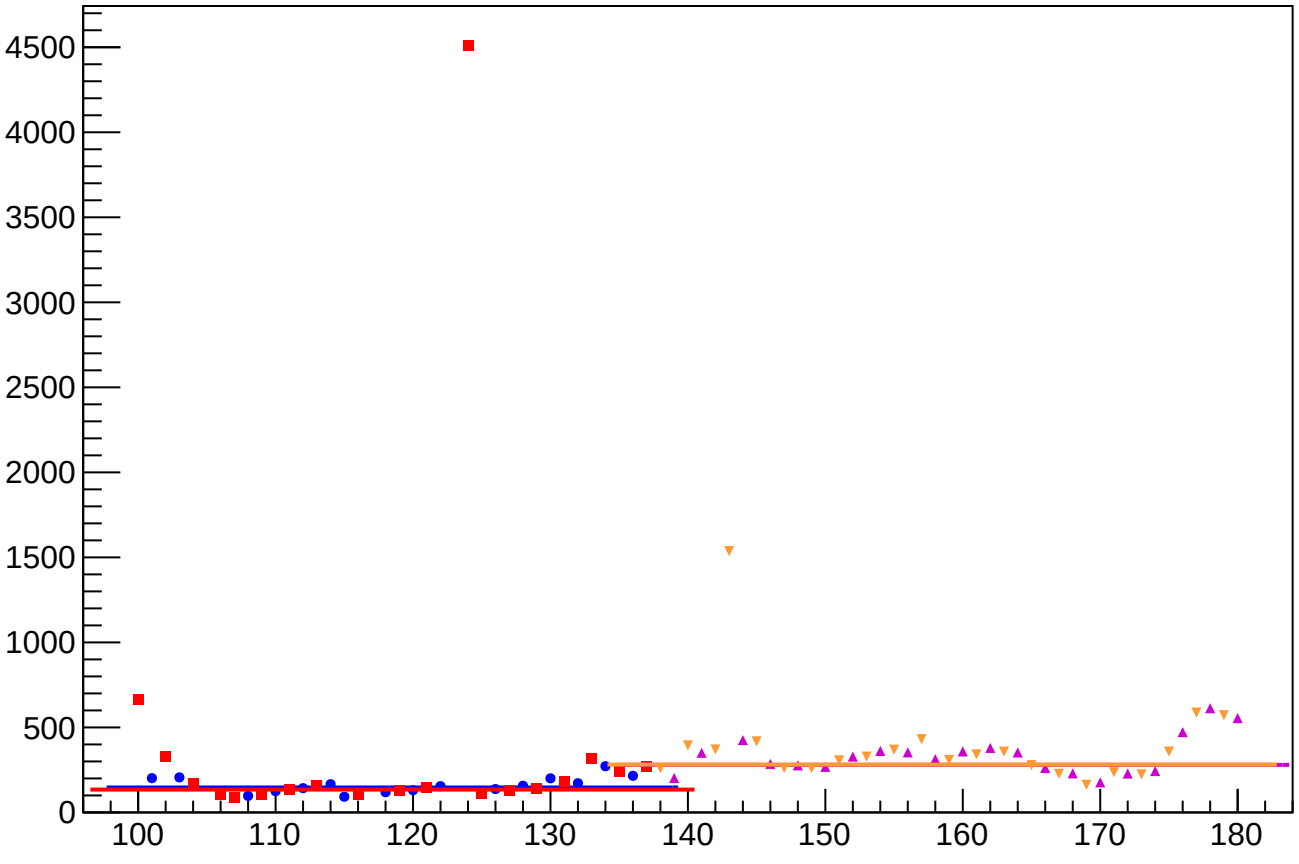
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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: 281.543+/-0.051 χ^2/NDF:3943153.6/21

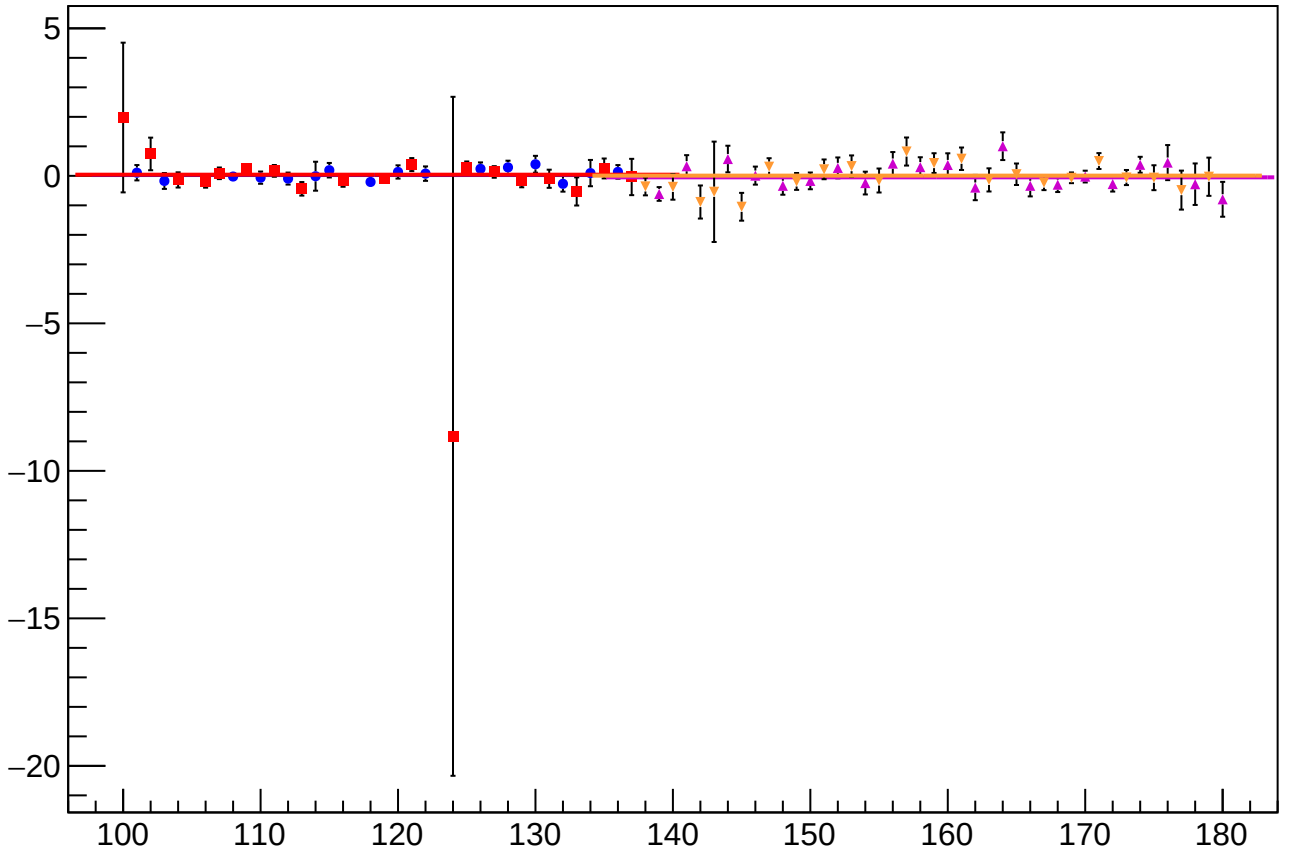
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

+ sign 199.072+/-0.032 χ^2/NDF: 9169320.6/37

All: 193.547+/-0.022 χ^2/NDF: 18839353.2/77

- sign 188.430+/-0.031 χ^2/NDF: 9612333.6/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

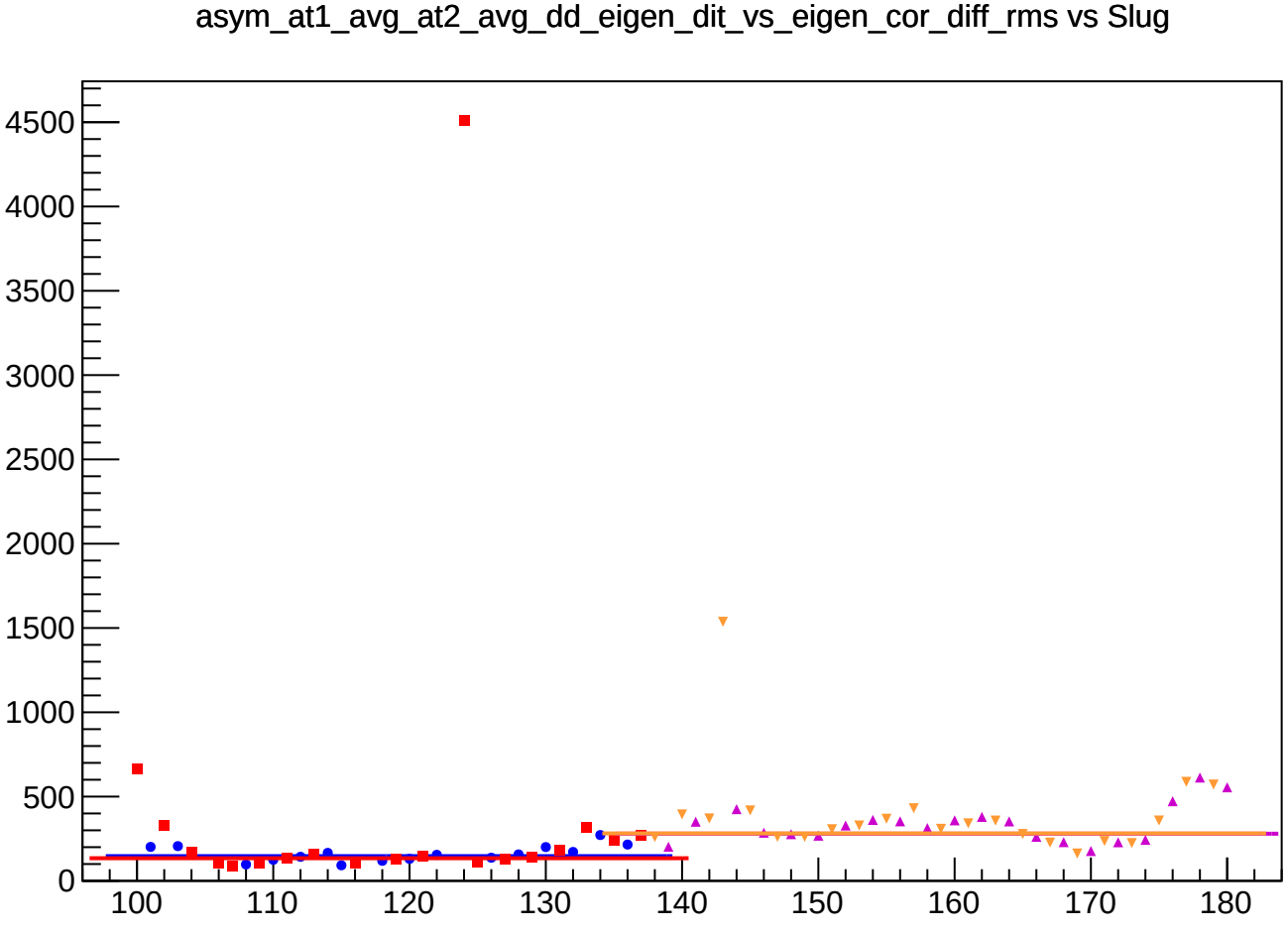
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

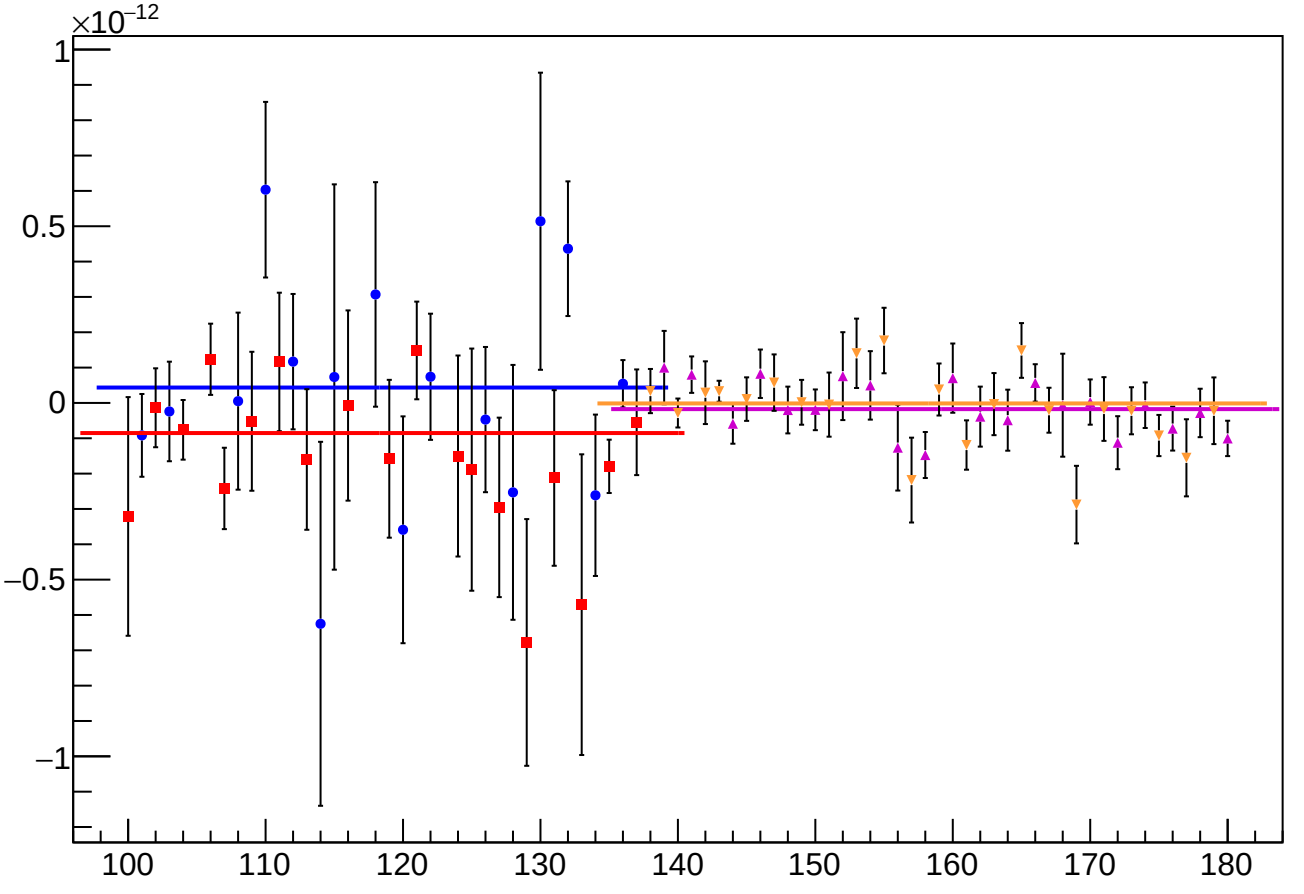
Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- sign 0.006+/-0.043 χ^2/NDF: 48.6/39


asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 281.543+/-0.051 χ²/NDF:3943153.6/21
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 279.870+/-0.050 χ²/NDF:2781676.9/20
+ sign 199.072+/-0.032 χ²/NDF: 9169320.6/37
All: 193.547+/-0.022 χ²/NDF: 18839353.2/77
- 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:30.2/21

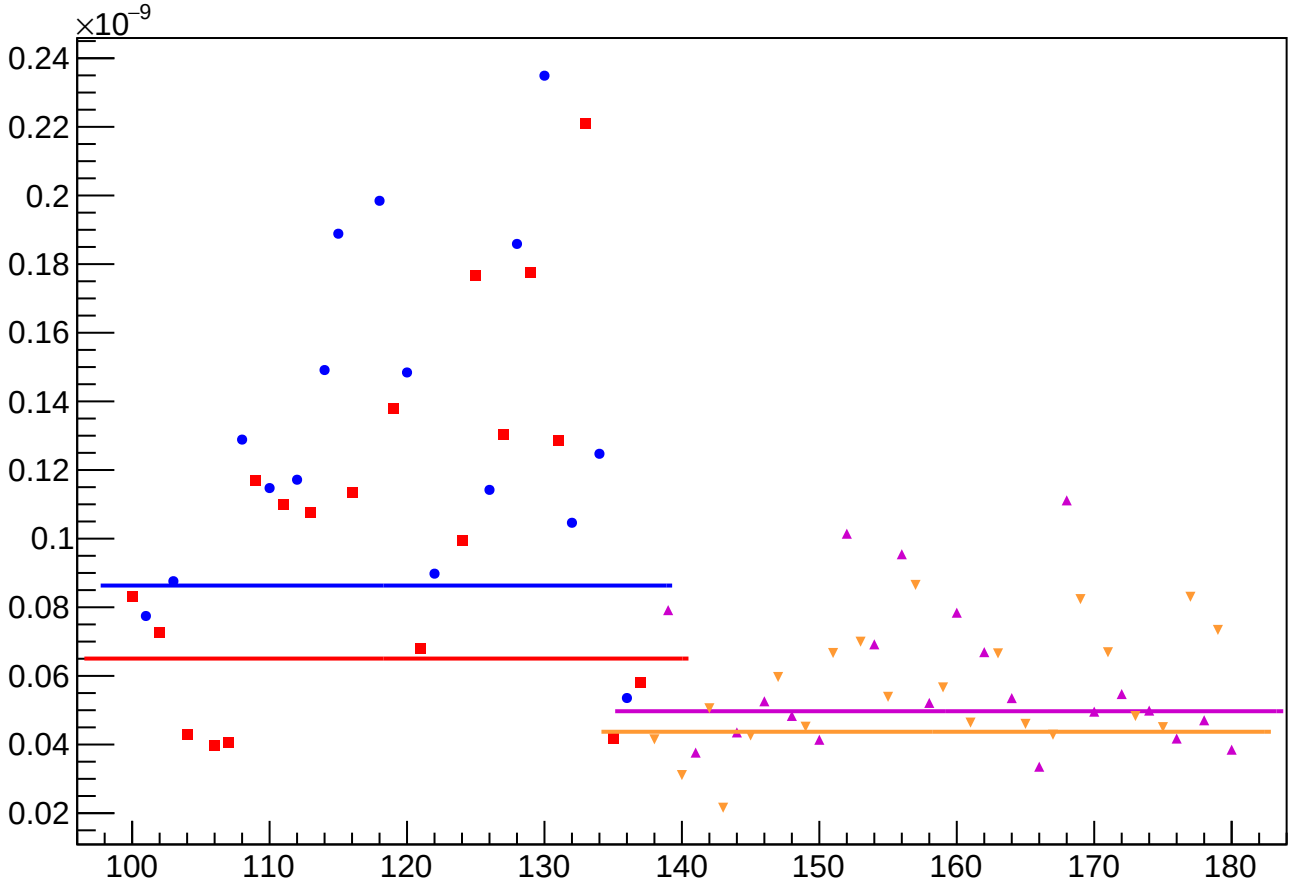
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 50.2/37

All: -0.000+/-0.000 χ^2/NDF: 96.0/77

- 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:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

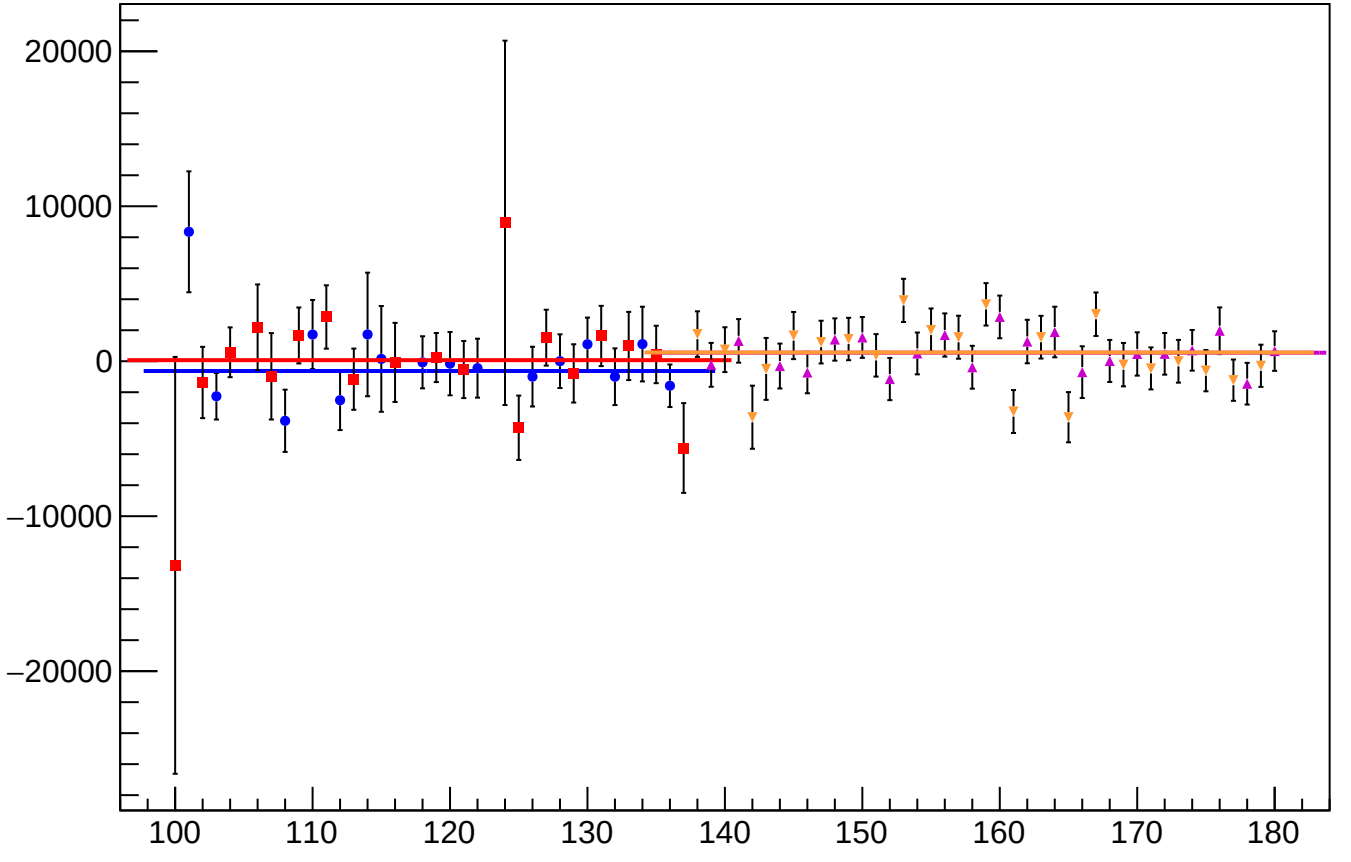
Left In: 0.000+/-0.000 χ^2/NDF:1999591.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 6360486.4/37

All: 0.000+/-0.000 χ^2/NDF: 10956342.8/77

- sign 0.000+/-0.000 χ^2/NDF: 4494025.7/39

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

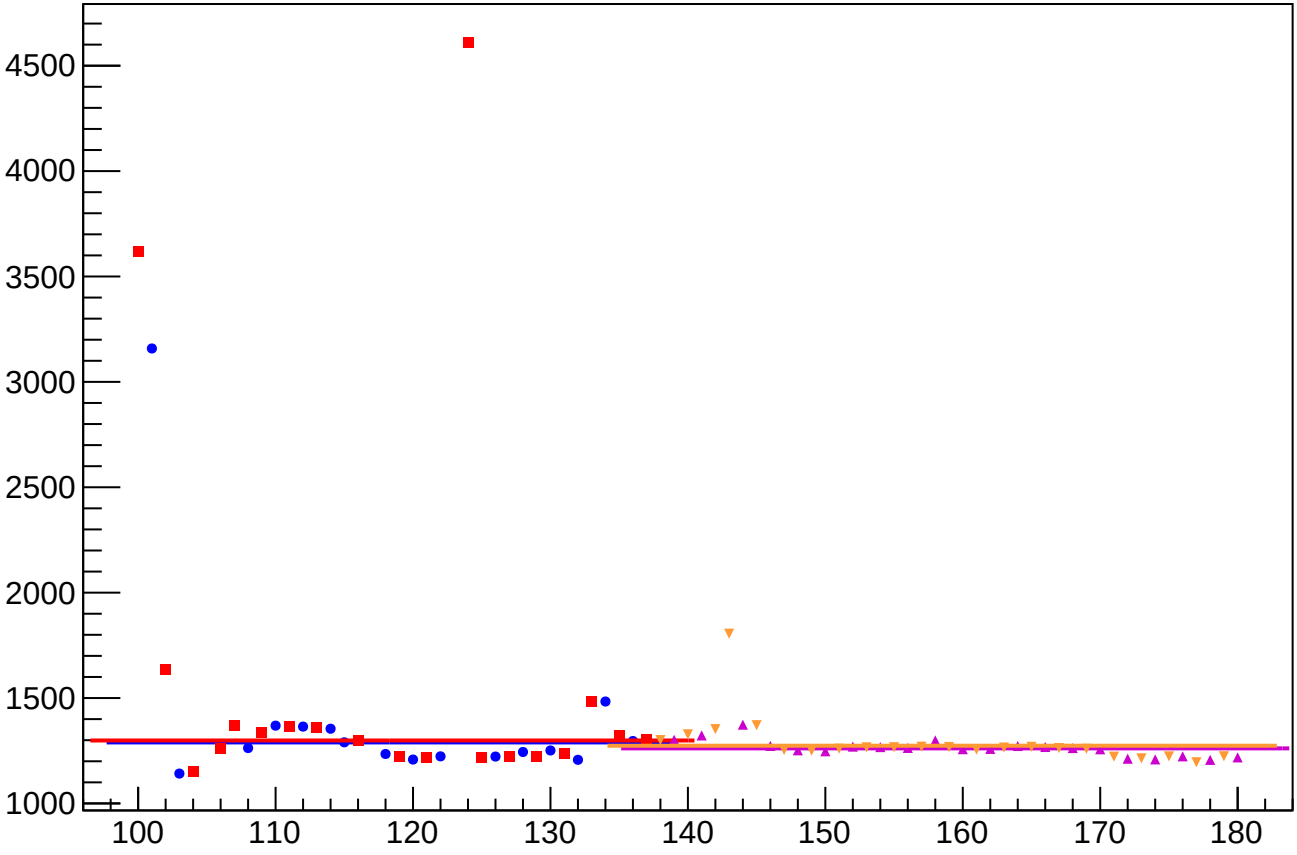
Left In: 549.417+/-303.758 χ^2/NDF:13.1/20

+ sign 228.999+/-258.964 χ^2/NDF: 59.0/37

All: 322.294+/-182.718 χ^2/NDF: 88.9/77

- 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: 1273.834+/-0.216 χ^2/NDF:177476.2/21

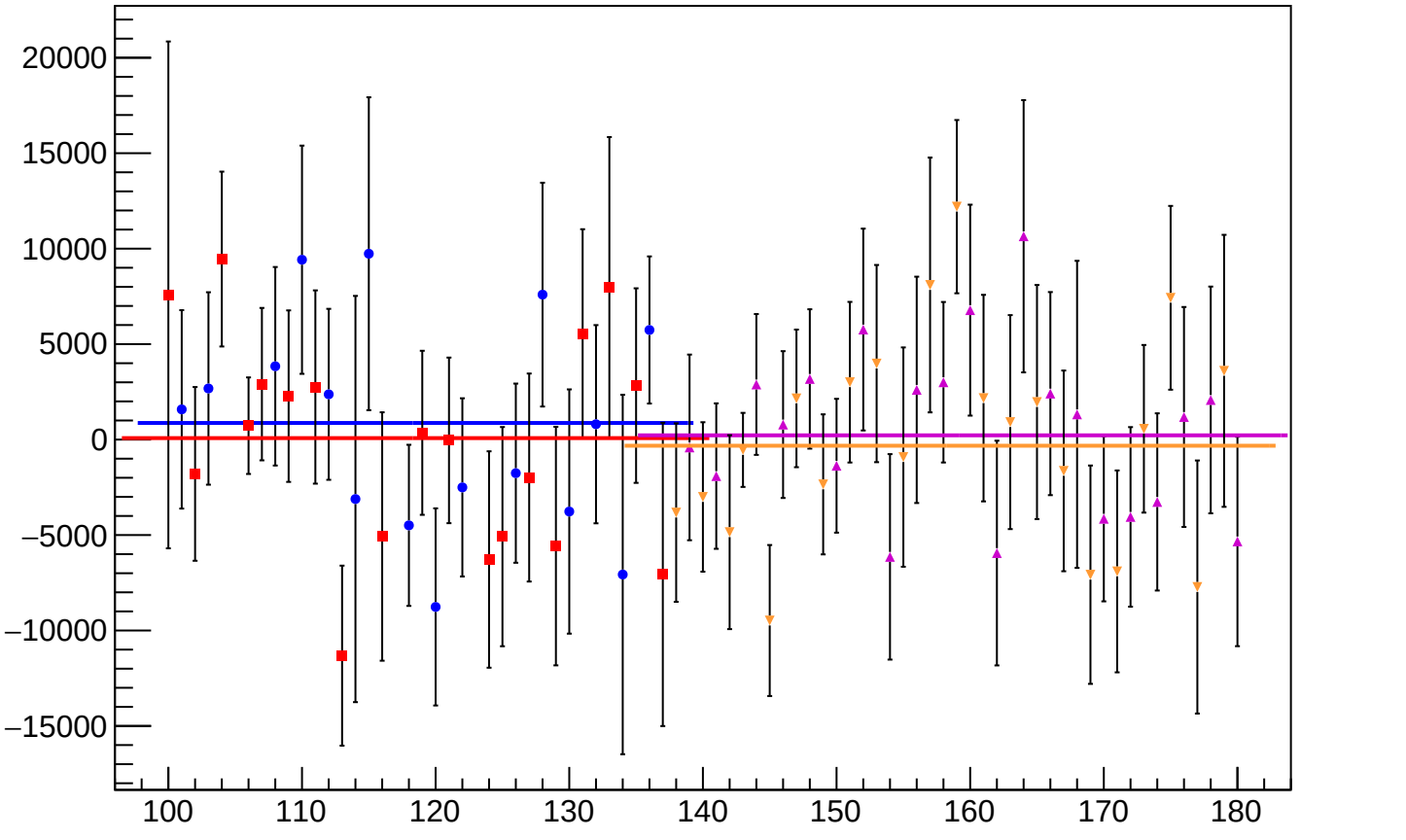
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.3/20

+ sign 1278.224+/-0.183 χ^2/NDF: 693623.2/37

All: 1274.939+/-0.129 χ^2/NDF: 1054591.5/77

- 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: -321.877+/-928.901 χ^2/NDF:26.1/21

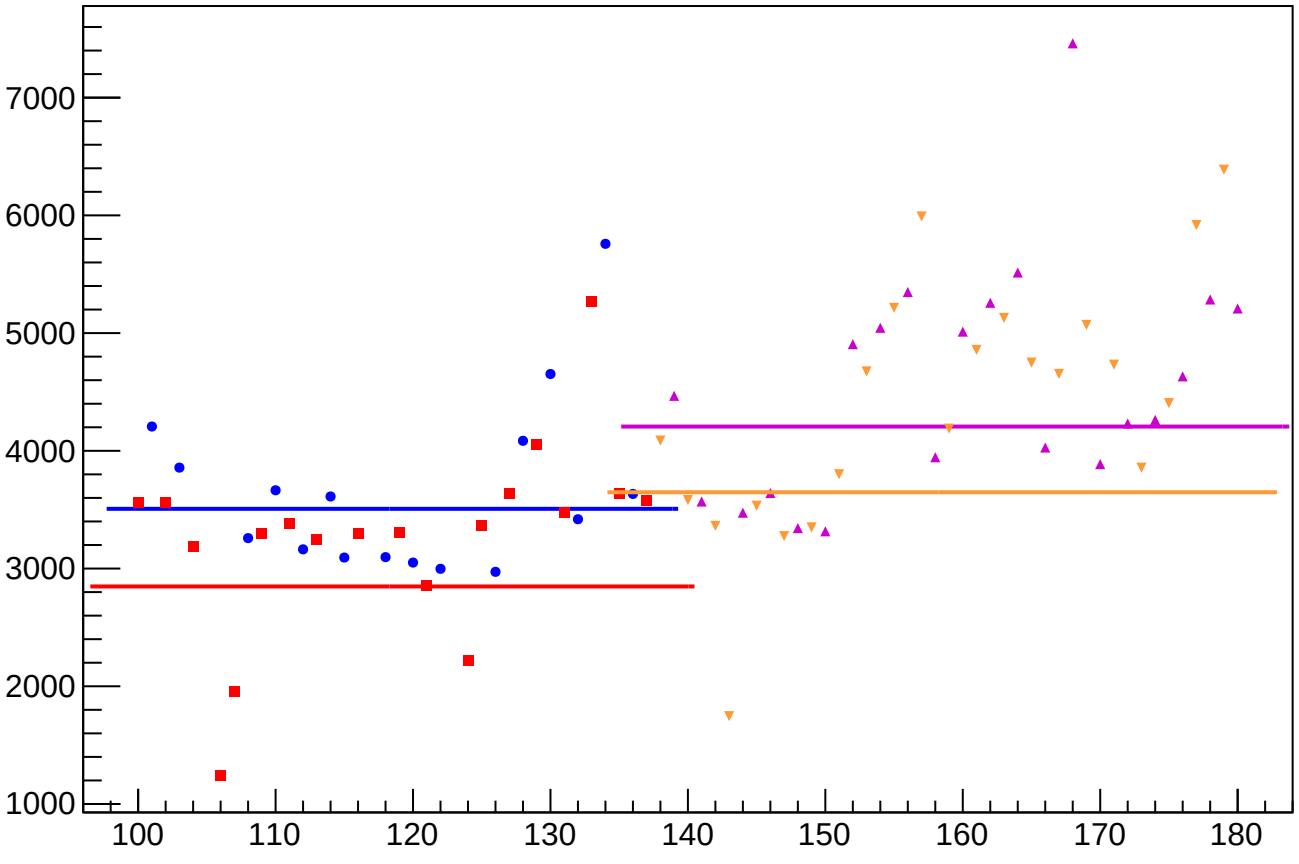
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 223.001+/-1035.187 χ^2/NDF:13.2/20

+ sign 70.863+/-760.660 χ^2/NDF: 40.7/37

All: 113.266+/-536.710 χ^2/NDF: 72.3/77

- 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: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

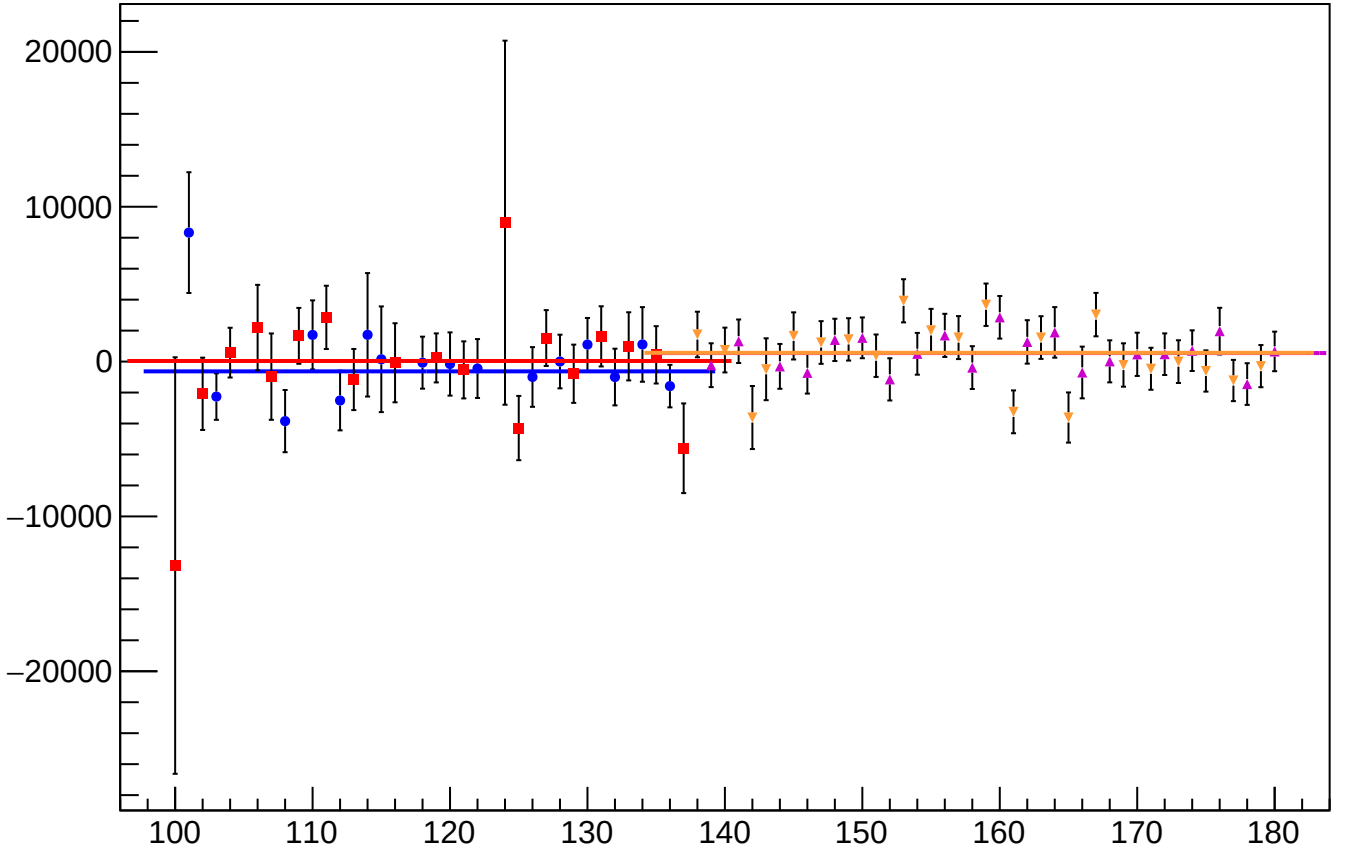
Left In: 4206.175+/-0.732 χ^2/NDF:1248623.3/20

+ sign 3601.715+/-0.538 χ^2/NDF: 4027703.8/37

All: 3588.286+/-0.380 χ^2/NDF: 8377128.8/77

- 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: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

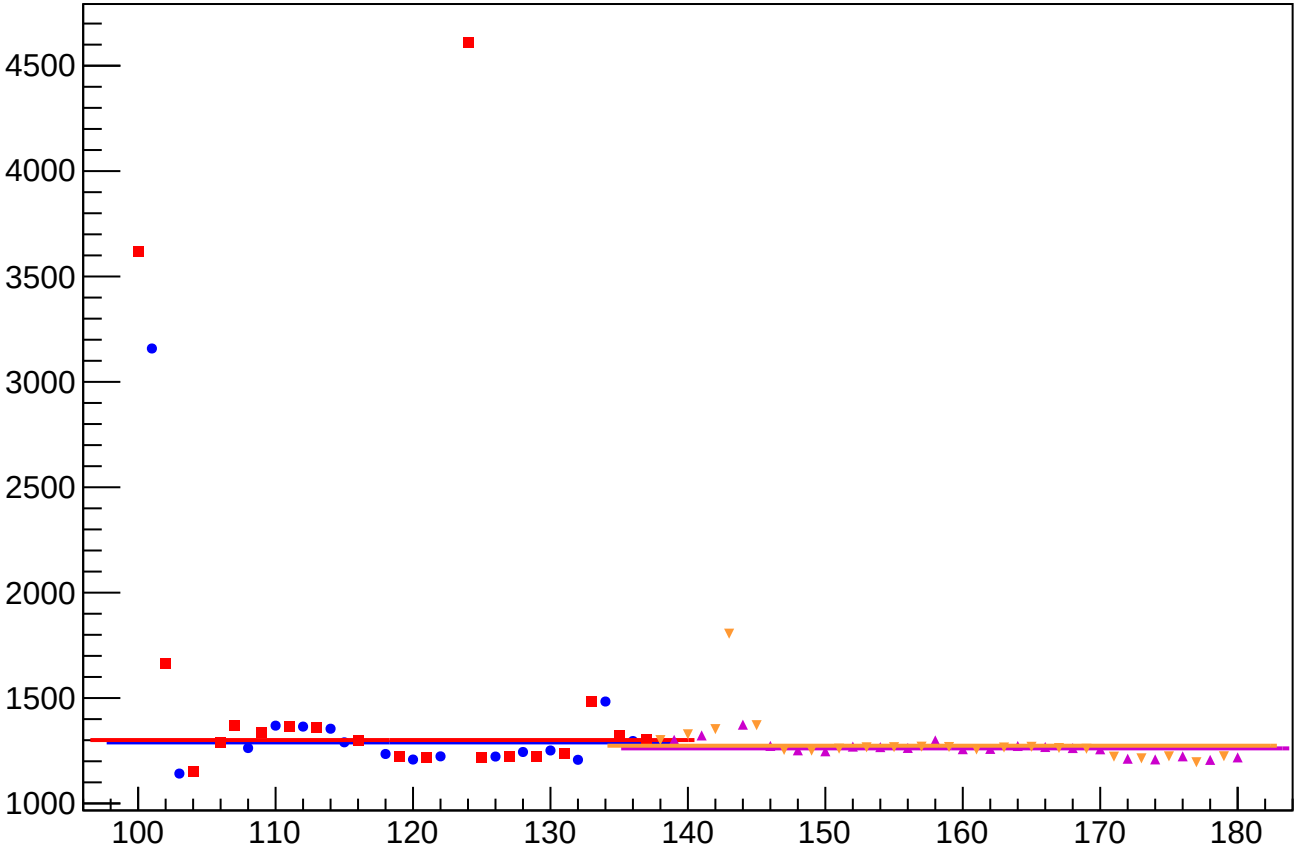
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 318.191+/-182.735 χ^2/NDF: 89.4/77

- 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: 1273.834+/-0.216 χ^2/NDF:177476.2/21

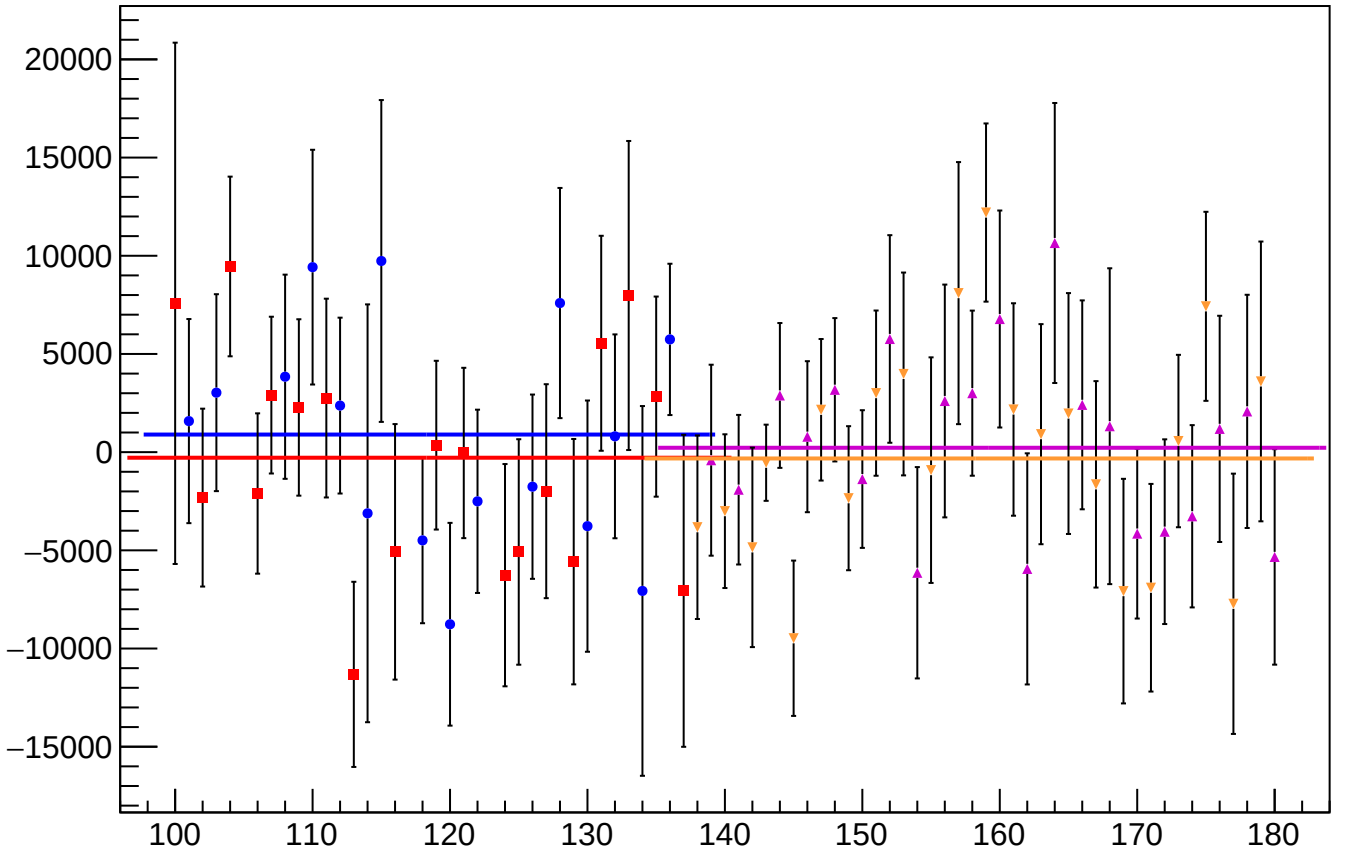
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77

- 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: -321.812+/-928.899 χ^2/NDF:26.1/21

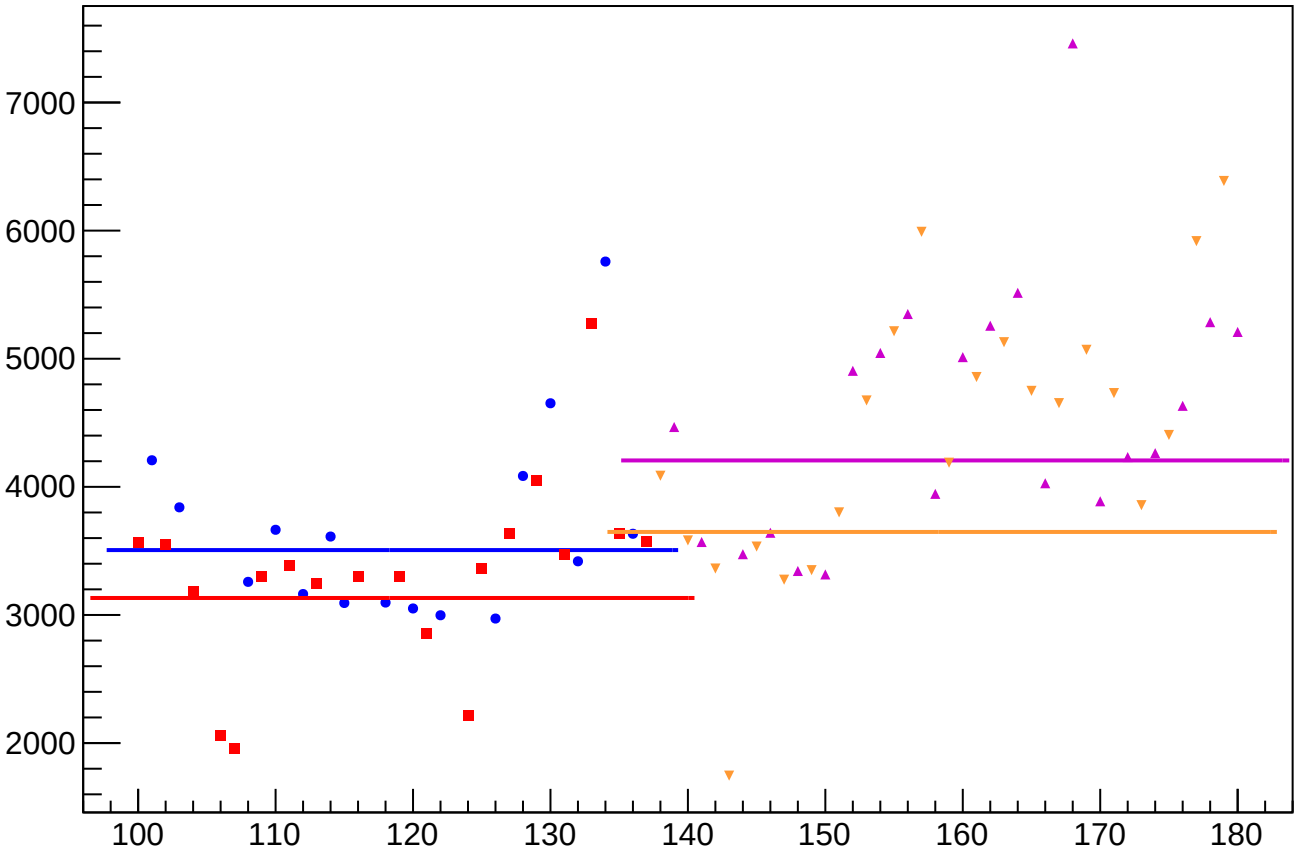
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 222.990+/-1035.185 χ^2/NDF:13.2/20

+ sign 79.564+/-760.573 χ^2/NDF: 40.8/37

All: 42.292+/-544.233 χ^2/NDF: 72.7/77

- 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: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

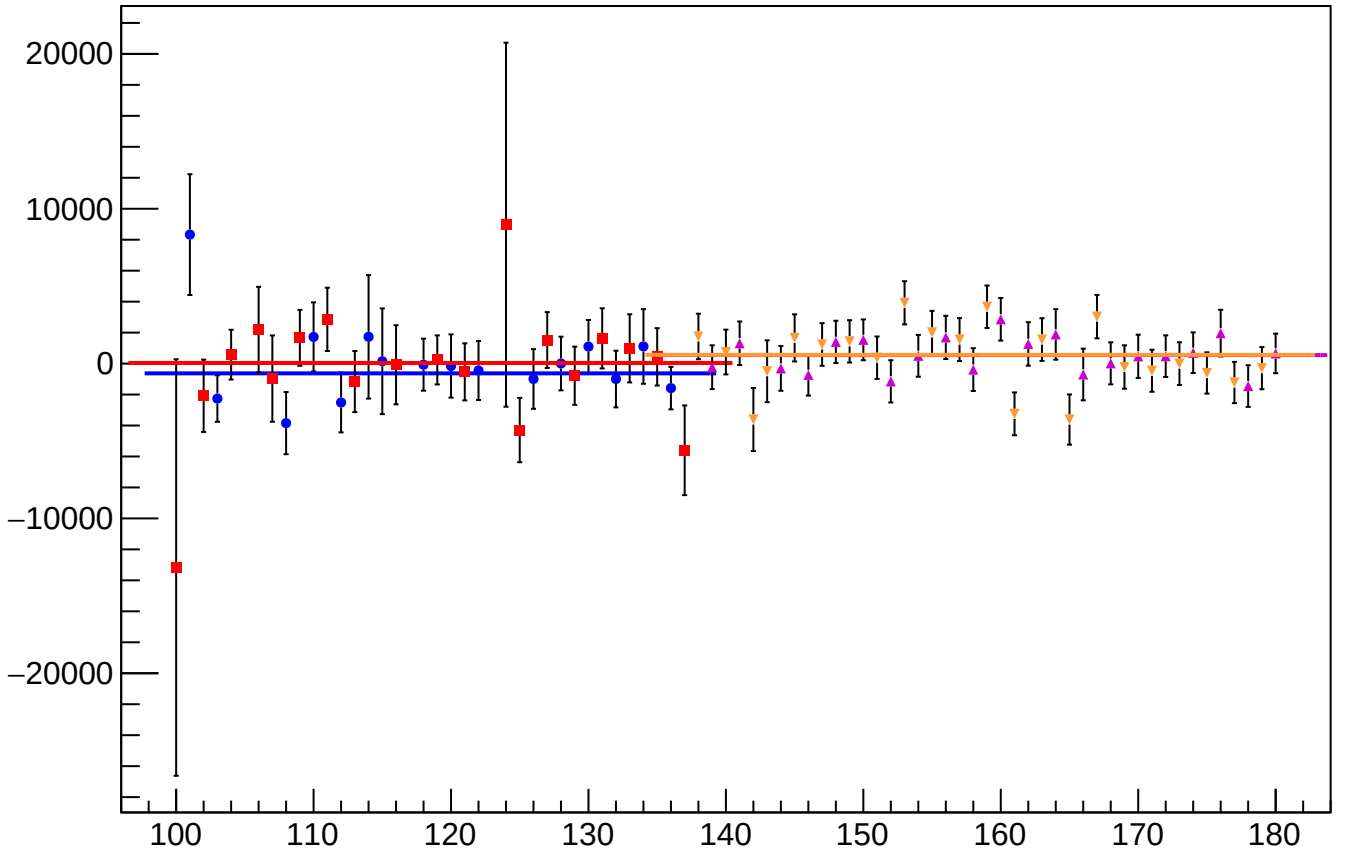
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77

- 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: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

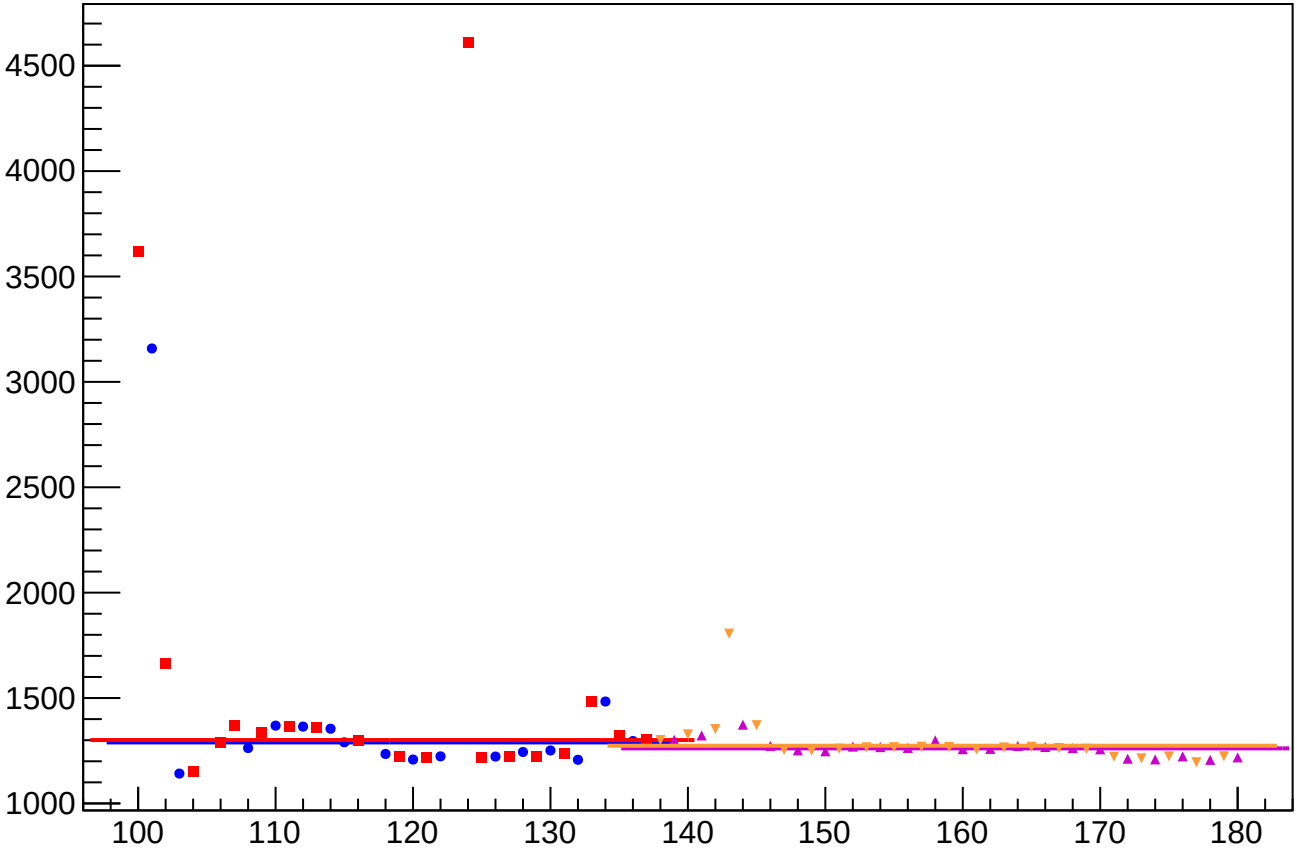
Left In: 549.318+/-303.758 χ^2/NDF:13.1/20

+ sign 228.905+/-258.964 χ^2/NDF: 58.9/37

All: 318.191+/-182.735 χ^2/NDF: 89.4/77

- 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: 1273.834+/-0.216 χ^2/NDF:177476.2/21

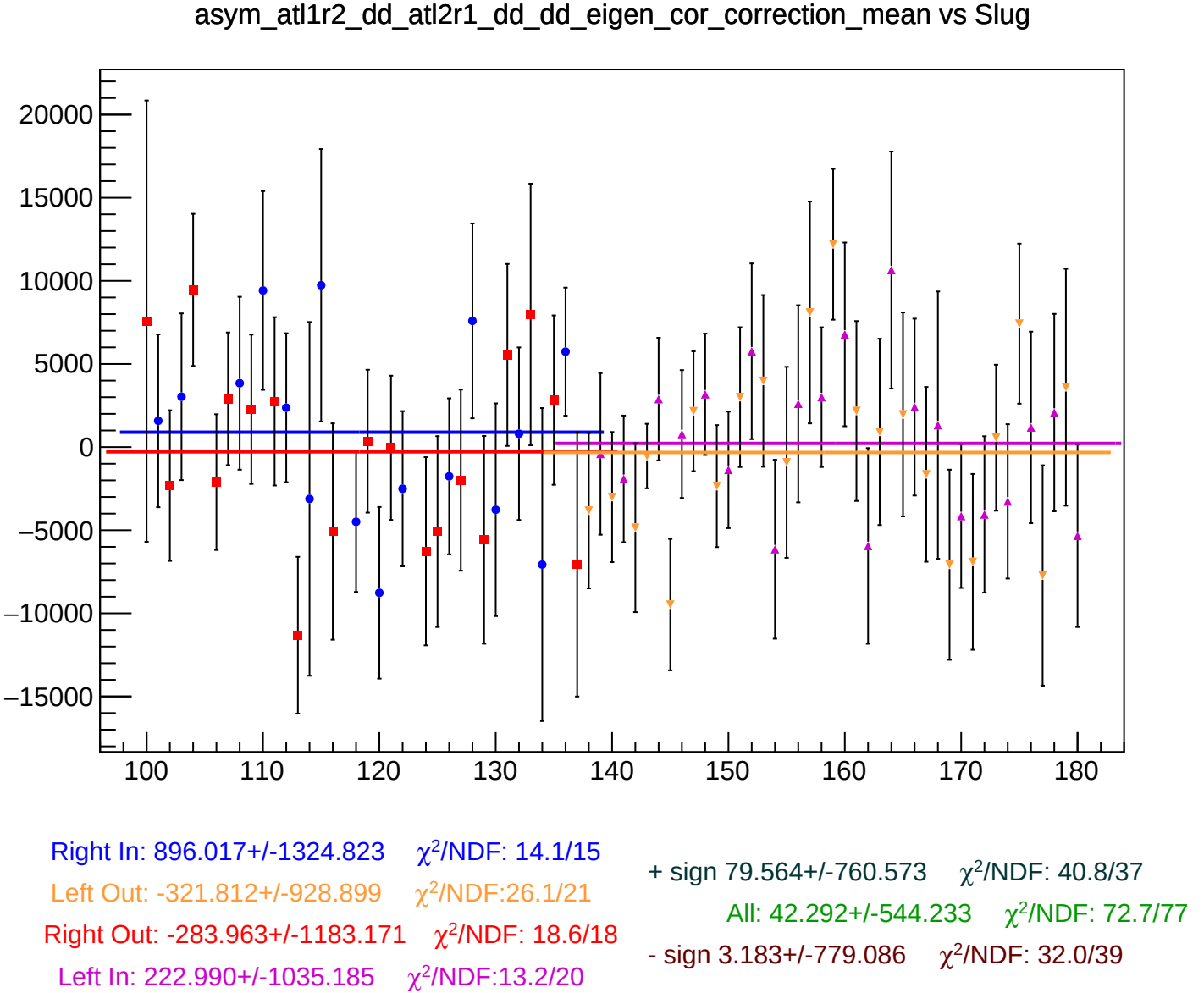
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

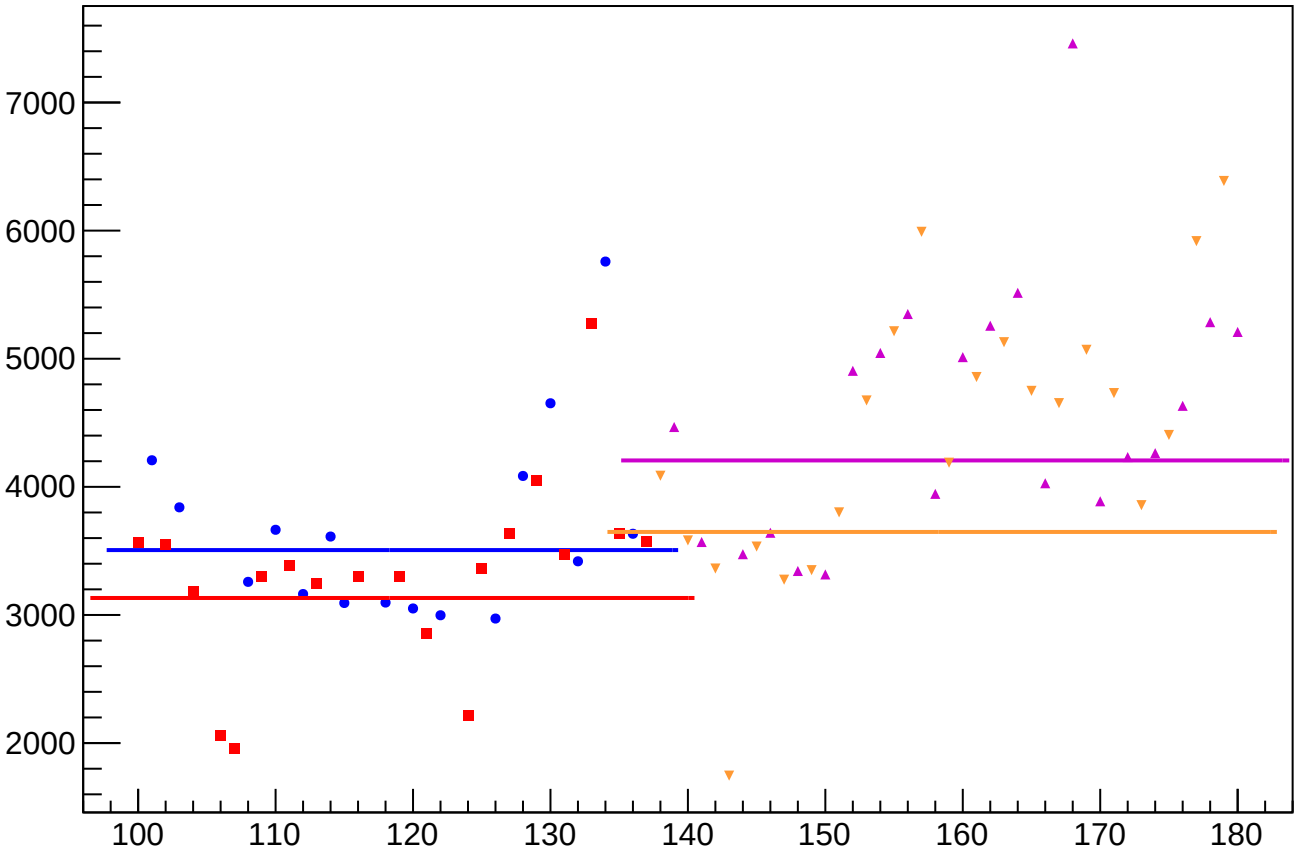
Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

+ sign 1278.224+/-0.183 χ^2/NDF: 693624.6/37

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77

- 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: -321.812+/-928.899 χ²/NDF:26.1/21
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 222.990+/-1035.185 χ²/NDF:13.2/20
+ sign 79.564+/-760.573 χ²/NDF: 40.8/37
All: 42.292+/-544.233 χ²/NDF: 72.7/77
- sign 3.183+/-779.086 χ²/NDF: 32.0/39



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

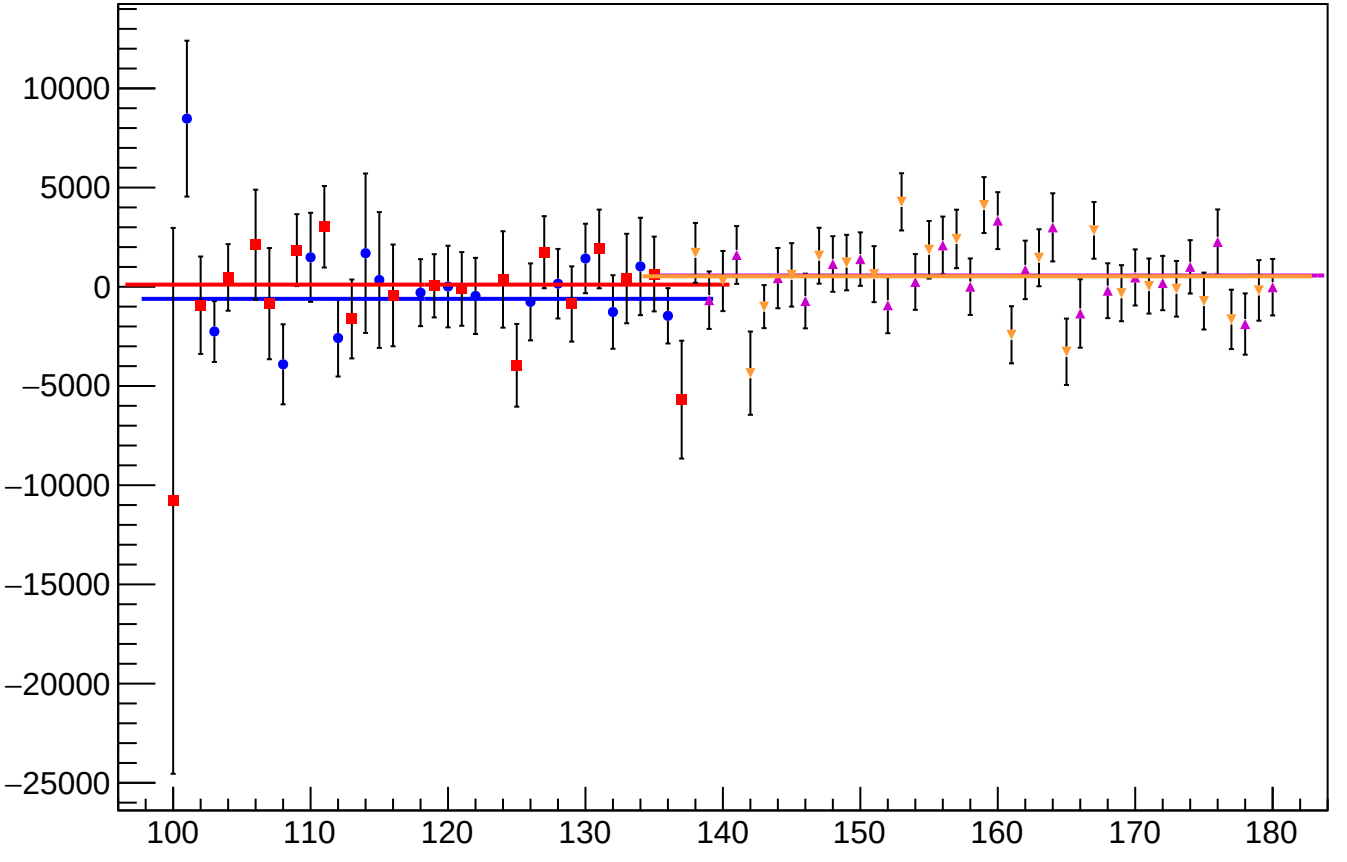
Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

+ sign 3601.387+/-0.538 χ^2/NDF: 4027201.1/37

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77

- 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: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

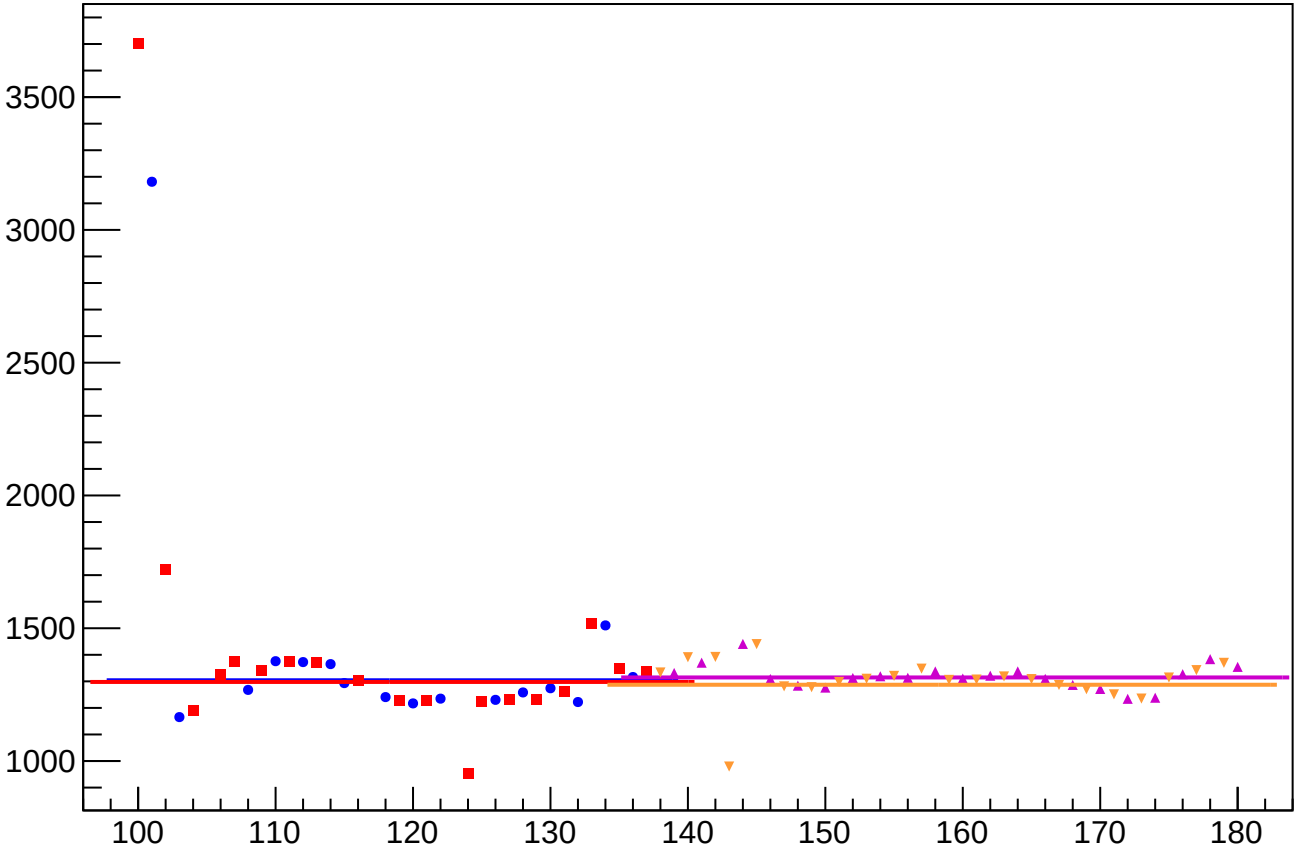
Left In: 568.638+/-316.767 χ^2/NDF:16.3/20

\+ sign 209.480+/-261.889 χ^2/NDF: 58.7/37

All: 318.954+/-186.379 χ^2/NDF: 90.9/77

\- 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: 1287.223+/-0.218 χ^2/NDF:216809.4/21

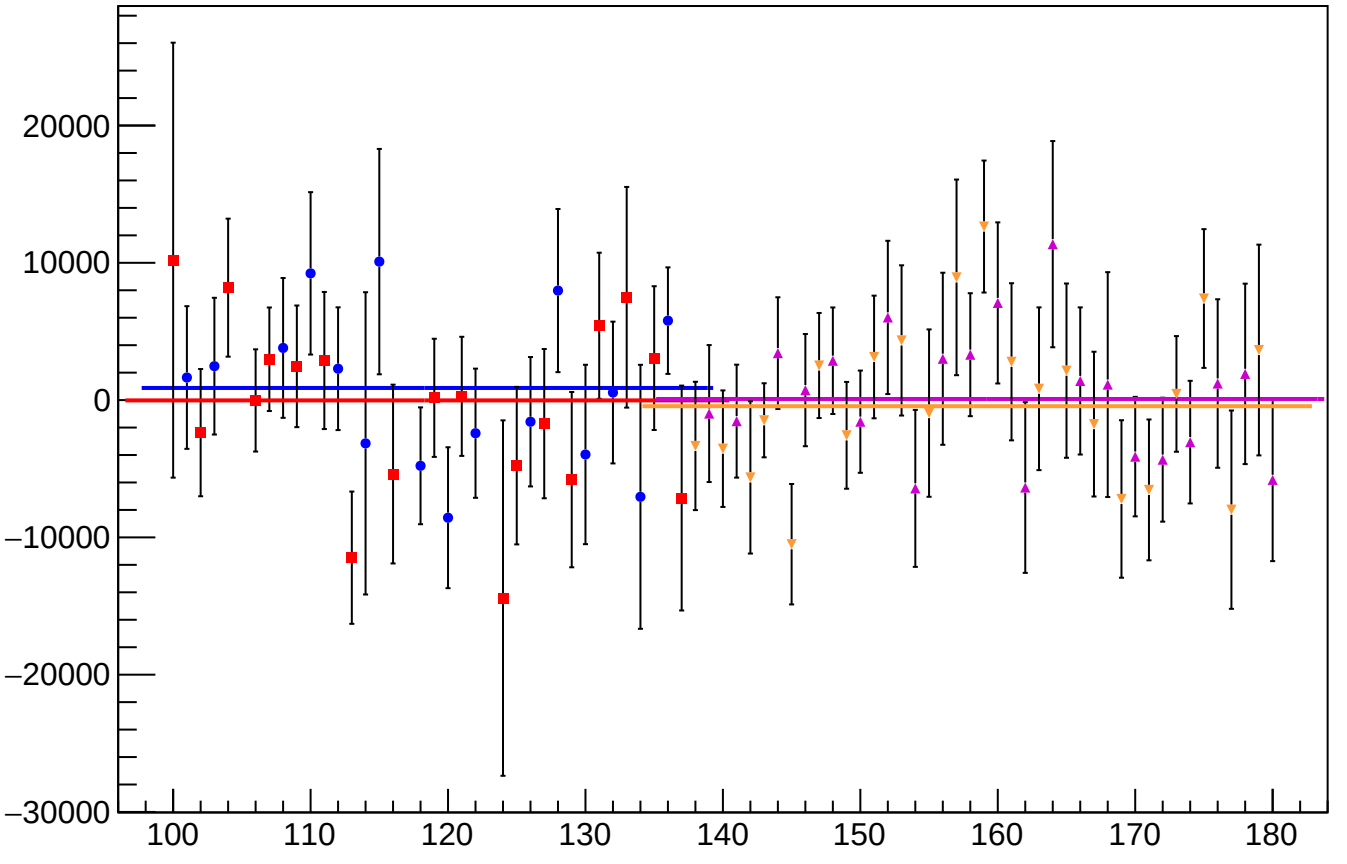
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.719+/-0.224 χ^2/NDF:42300.5/20

+ sign 1291.964+/-0.185 χ^2/NDF: 729076.8/37

All: 1300.700+/-0.132 χ^2/NDF: 990688.6/77

- 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: -443.270+/-1025.523 χ^2/NDF:25.9/21

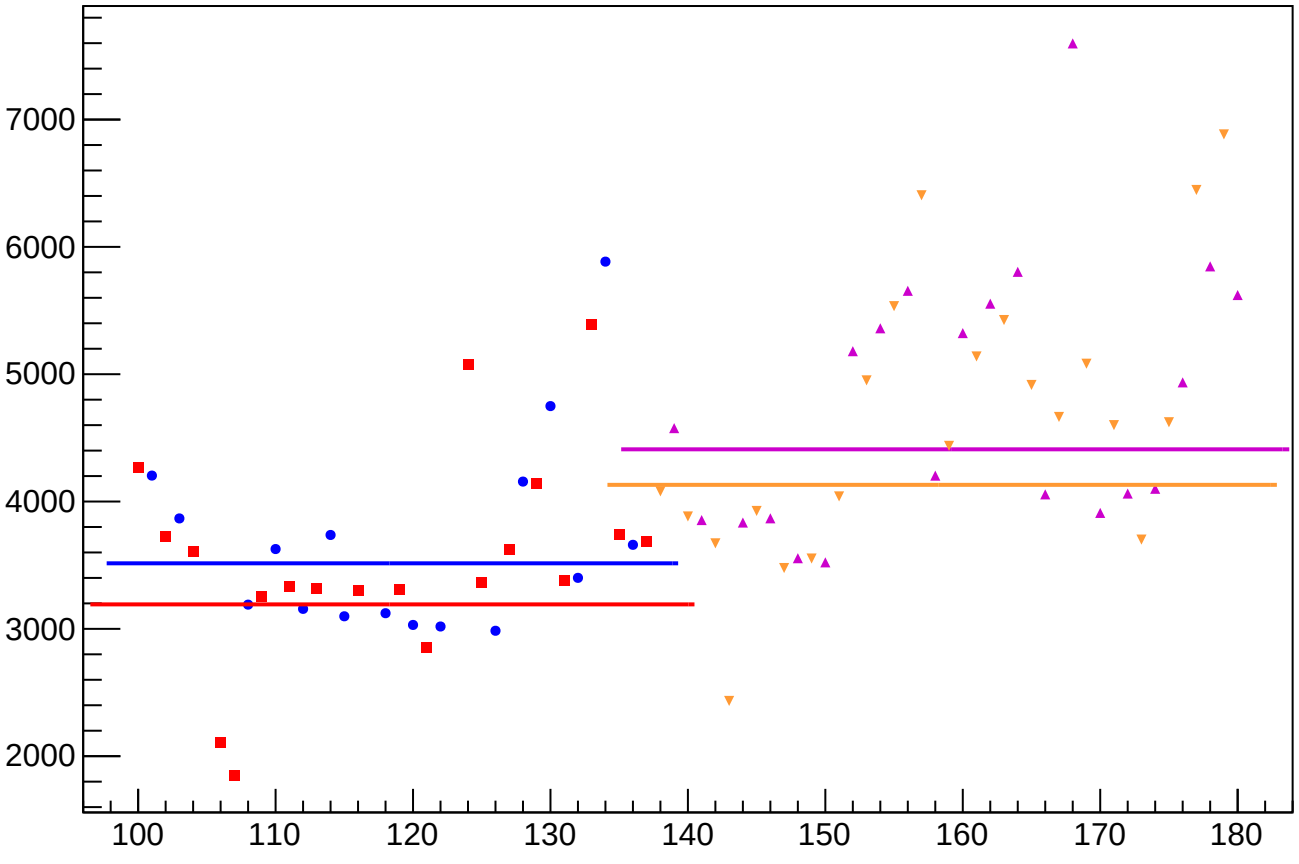
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.423 χ^2/NDF:13.1/20

+ sign 52.858+/-811.538 χ^2/NDF: 40.6/37

All: 44.321+/-571.512 χ^2/NDF: 70.5/77

- 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: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

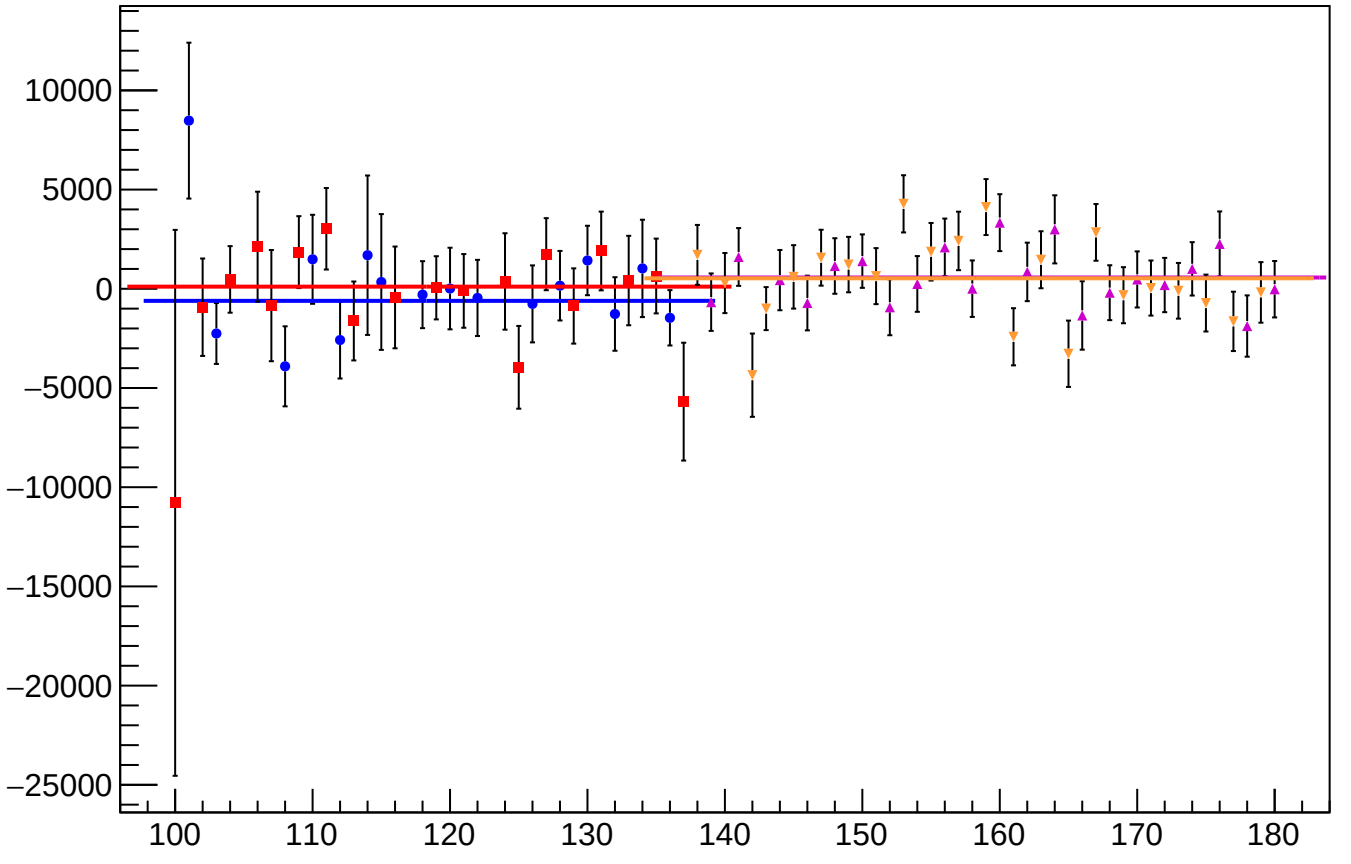
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4410.019+/-0.768 χ^2/NDF:1239942.6/20

+ sign 3900.689+/-0.574 χ^2/NDF: 2710921.9/37

All: 3881.198+/-0.404 χ^2/NDF: 5858555.1/77

- 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: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

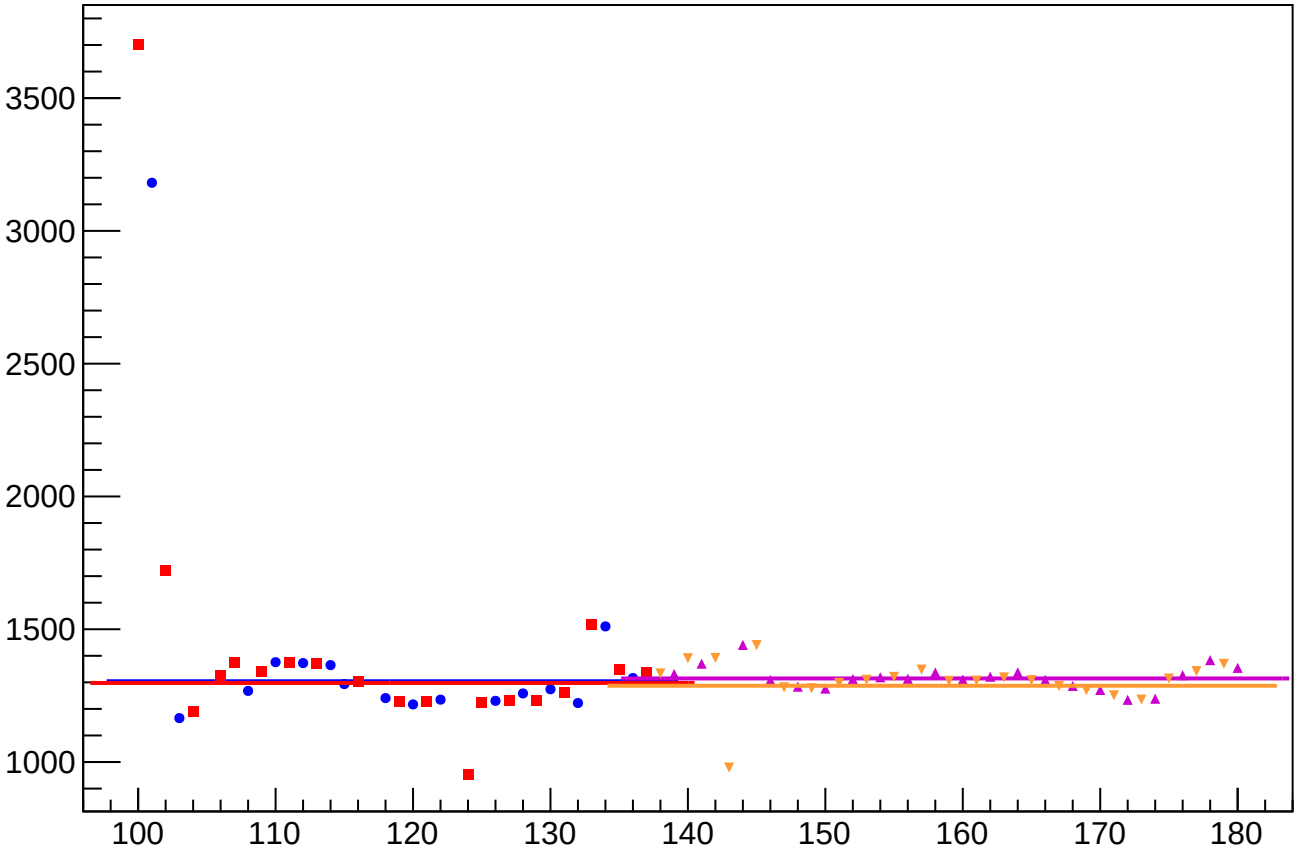
Left In: 568.639+/-316.768 χ^2/NDF:16.3/20

\+ sign 209.481+/-261.890 χ^2/NDF: 58.7/37

All: 318.956+/-186.379 χ^2/NDF: 90.9/77

\- 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: 1287.224+/-0.218 χ^2/NDF:216812.0/21

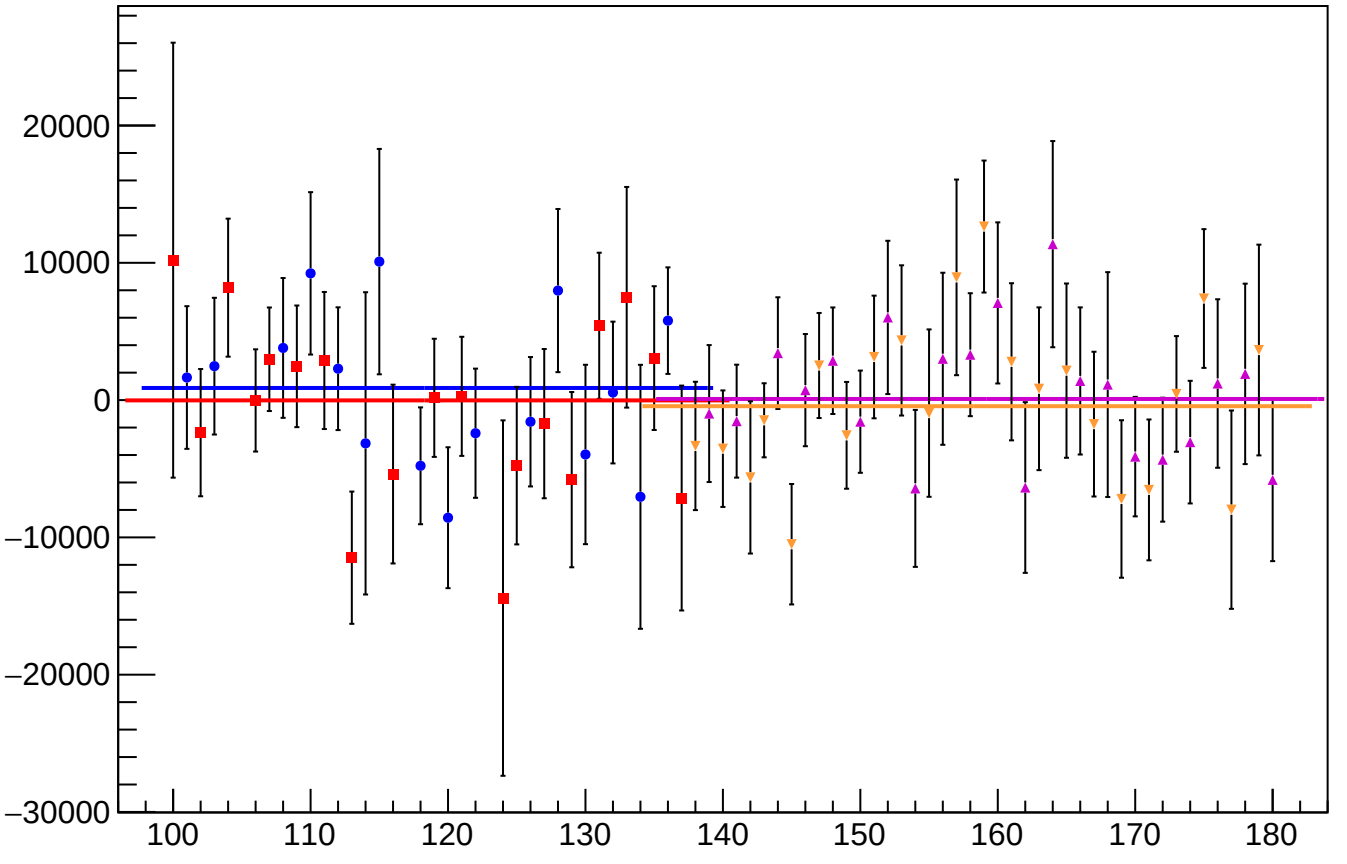
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.720+/-0.224 χ^2/NDF:42302.6/20

+ sign 1291.964+/-0.185 χ^2/NDF: 729079.3/37

All: 1300.701+/-0.132 χ^2/NDF: 990693.7/77

- 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: -443.268+/-1025.525 χ^2/NDF:25.9/21

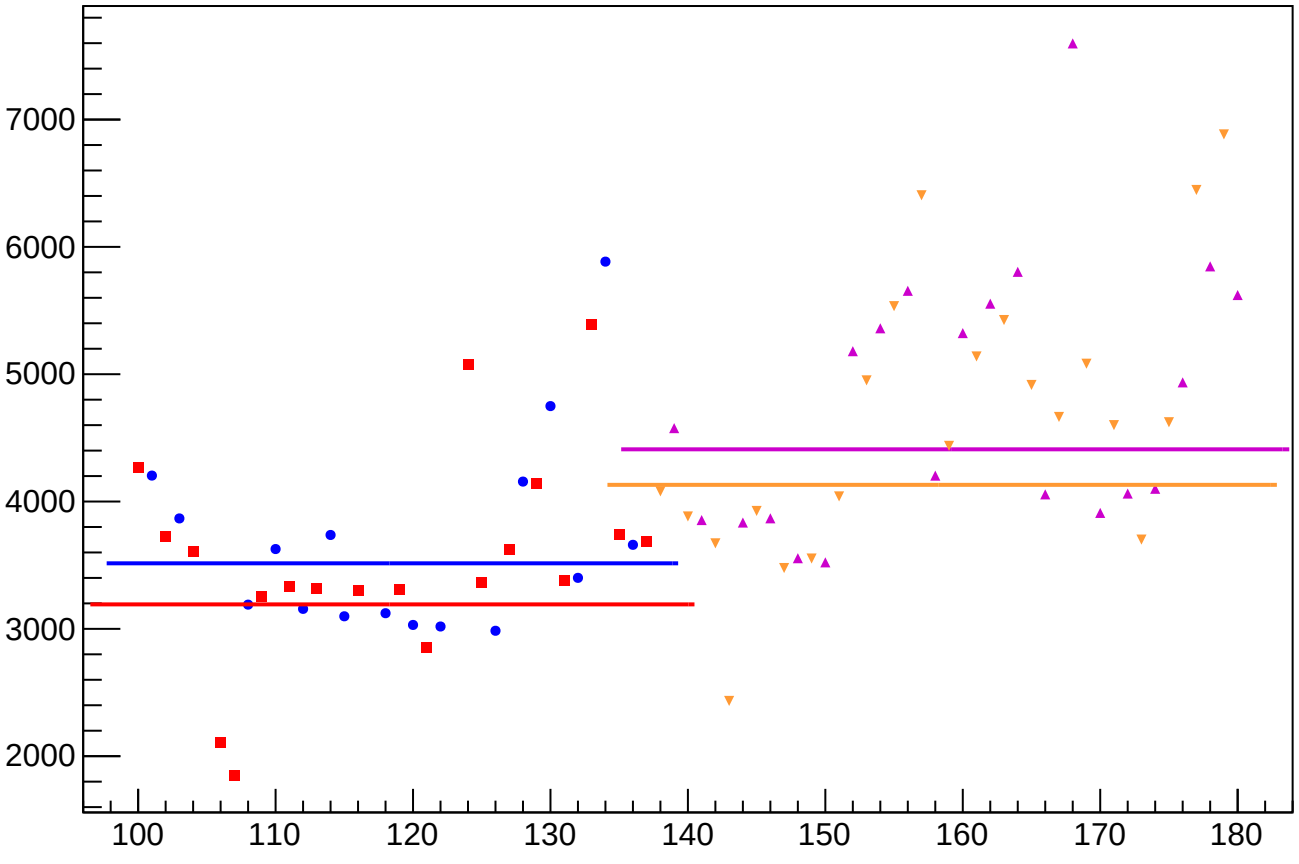
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 82.228+/-1085.424 χ^2/NDF:13.1/20

+ sign 52.858+/-811.539 χ^2/NDF: 40.6/37

All: 44.321+/-571.512 χ^2/NDF: 70.5/77

- 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: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

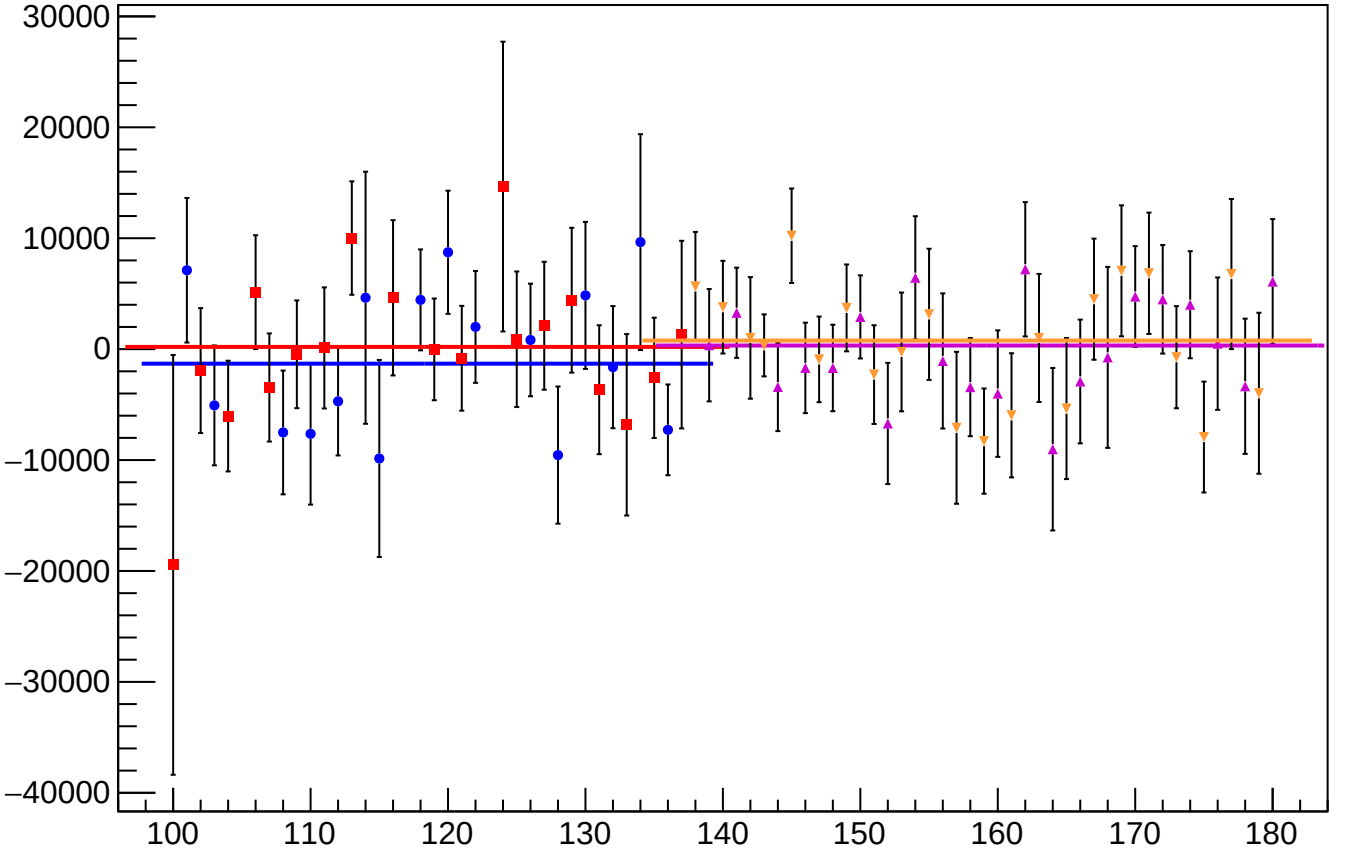
Left In: 4410.026+/-0.768 χ^2/NDF:1239946.7/20

\+ sign 3900.689+/-0.574 χ^2/NDF: 2710943.4/37

All: 3881.196+/-0.404 χ^2/NDF: 5858611.7/77

\- 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: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

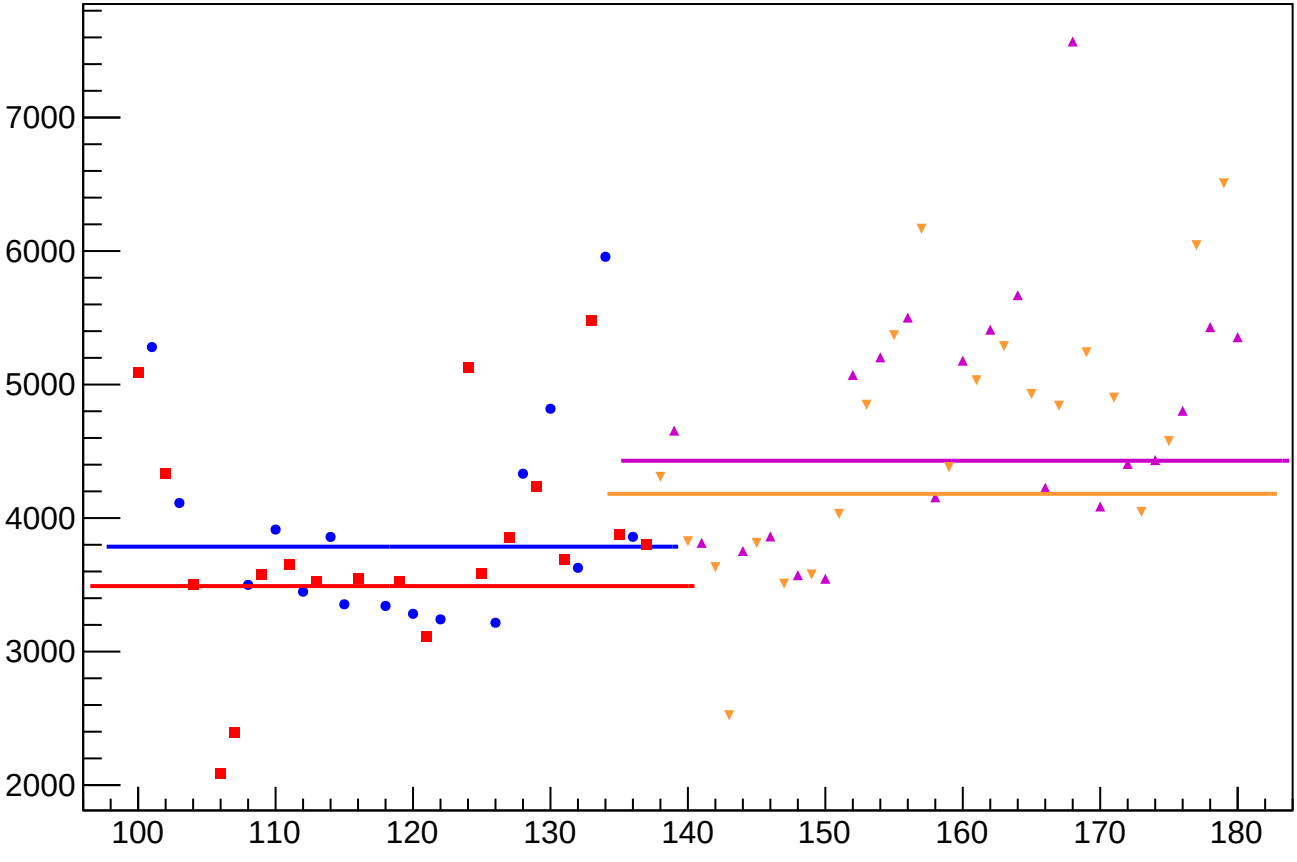
Left In: 324.975+/-1086.468 χ^2/NDF:13.5/20

\+ sign 62.260+/-837.593 χ^2/NDF: 41.4/37

All: 168.382+/-594.149 χ^2/NDF: 66.6/77

\- 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: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

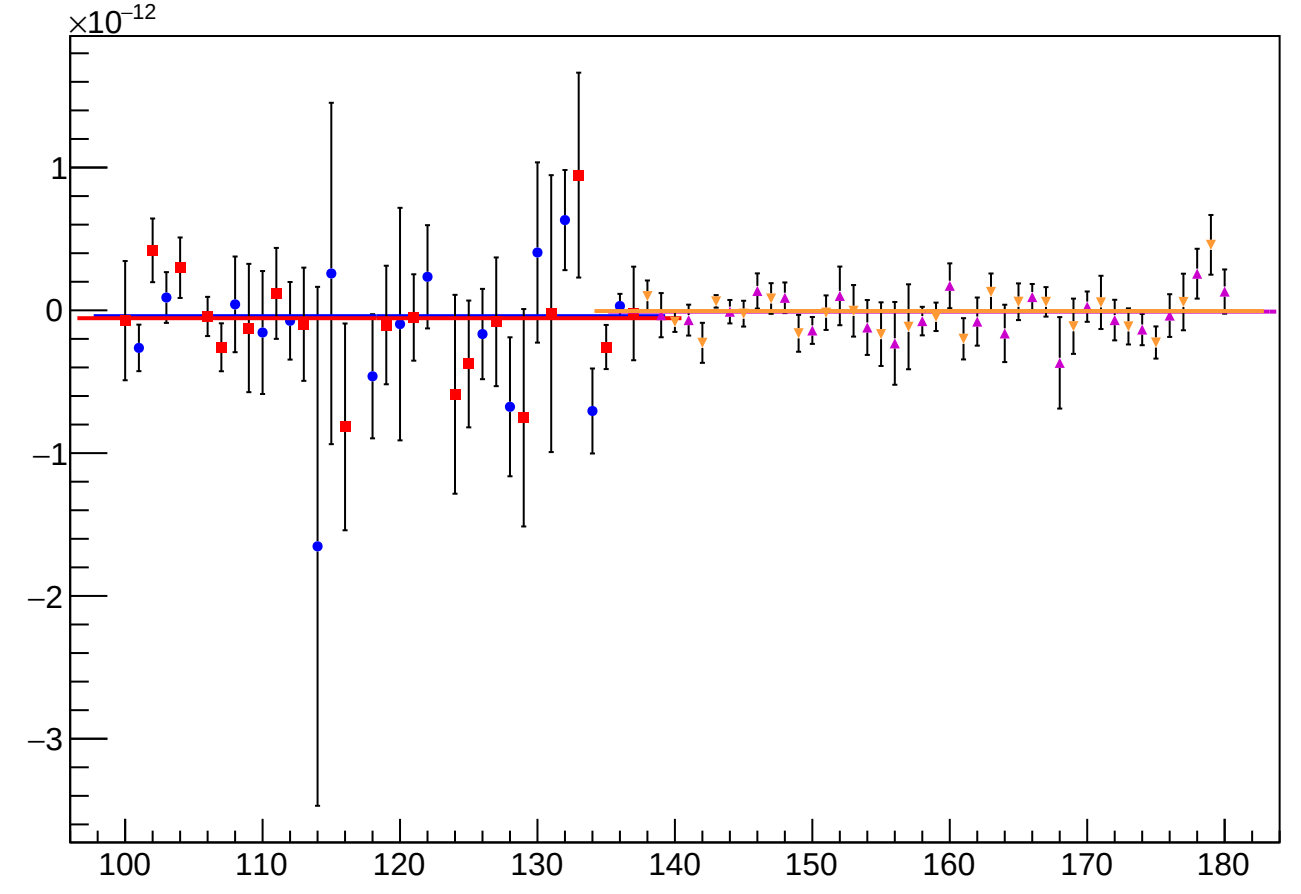
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4429.354+/-0.768 χ^2/NDF:1060790.8/20

+ sign 4046.115+/-0.592 χ^2/NDF: 2279129.2/37

All: 4047.803+/-0.419 χ^2/NDF: 4530828.4/77

- sign 4049.495+/-0.593 χ^2/NDF: 2251683.0/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/21

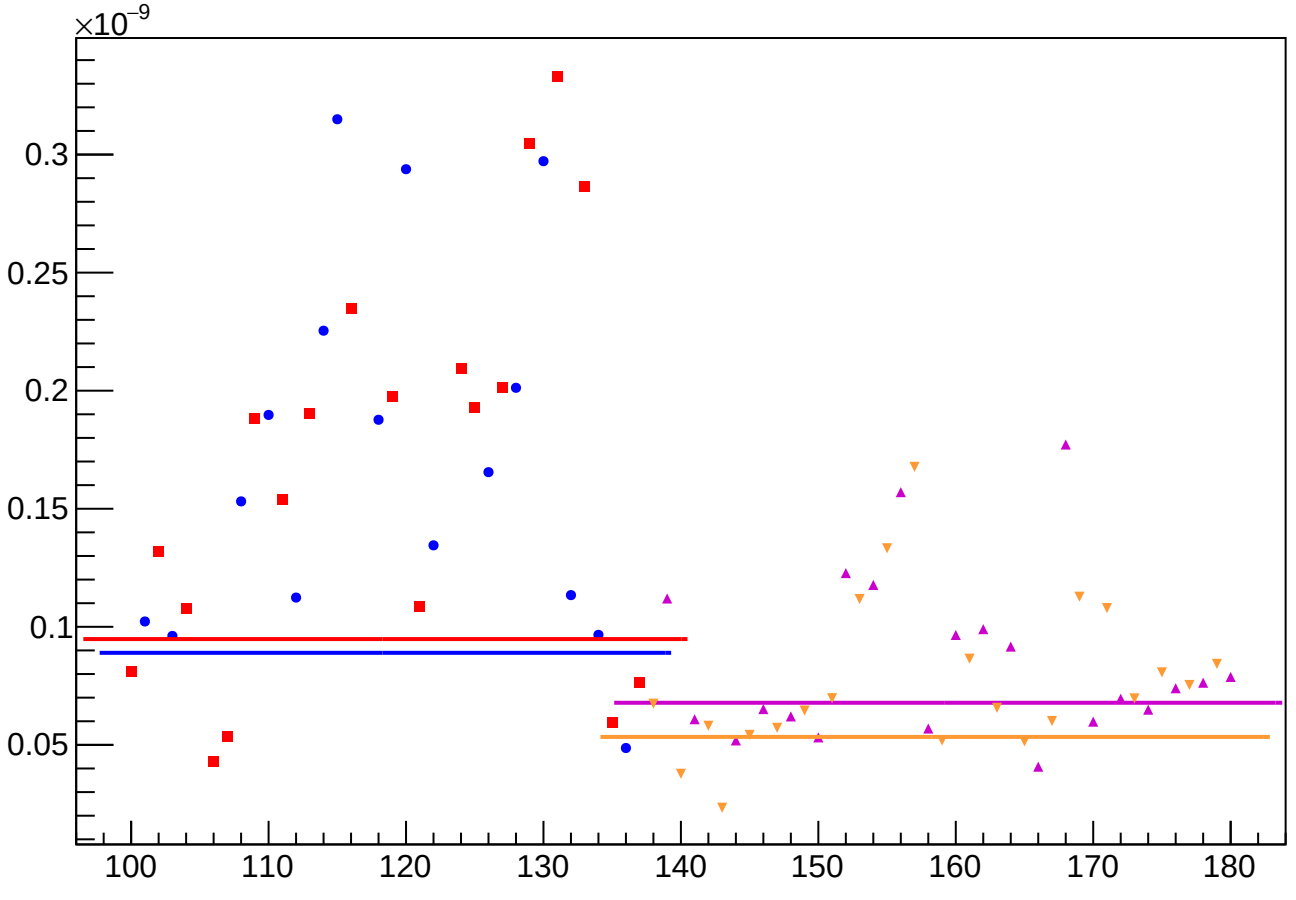
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/37

All: -0.000+/-0.000 χ^2/NDF: 72.2/77

- sign -0.000+/-0.000 χ^2/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:2592157.7/21

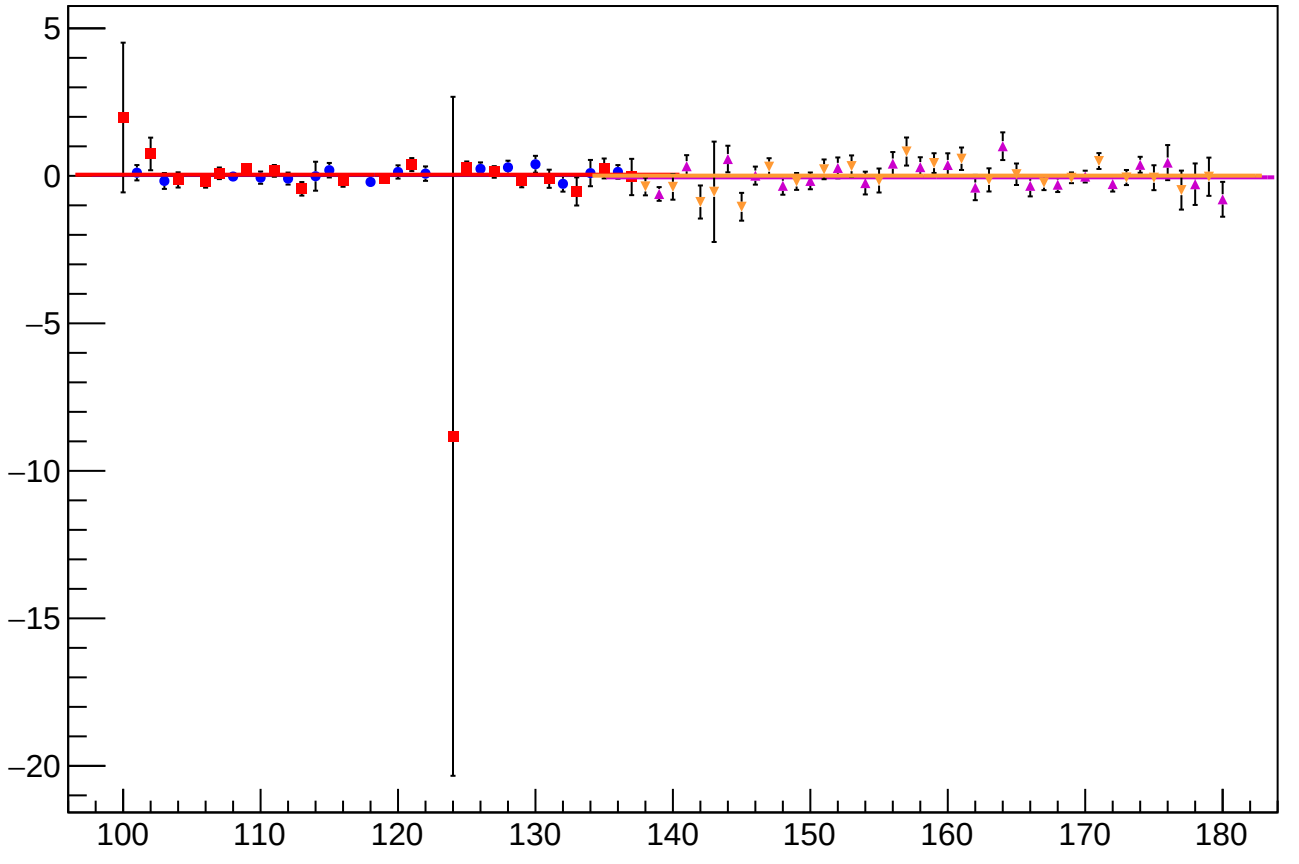
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1395768.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 4684290.4/37

All: 0.000+/-0.000 χ^2/NDF: 8463792.9/77

- 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: 0.007+/-0.072 χ^2/NDF:24.8/21

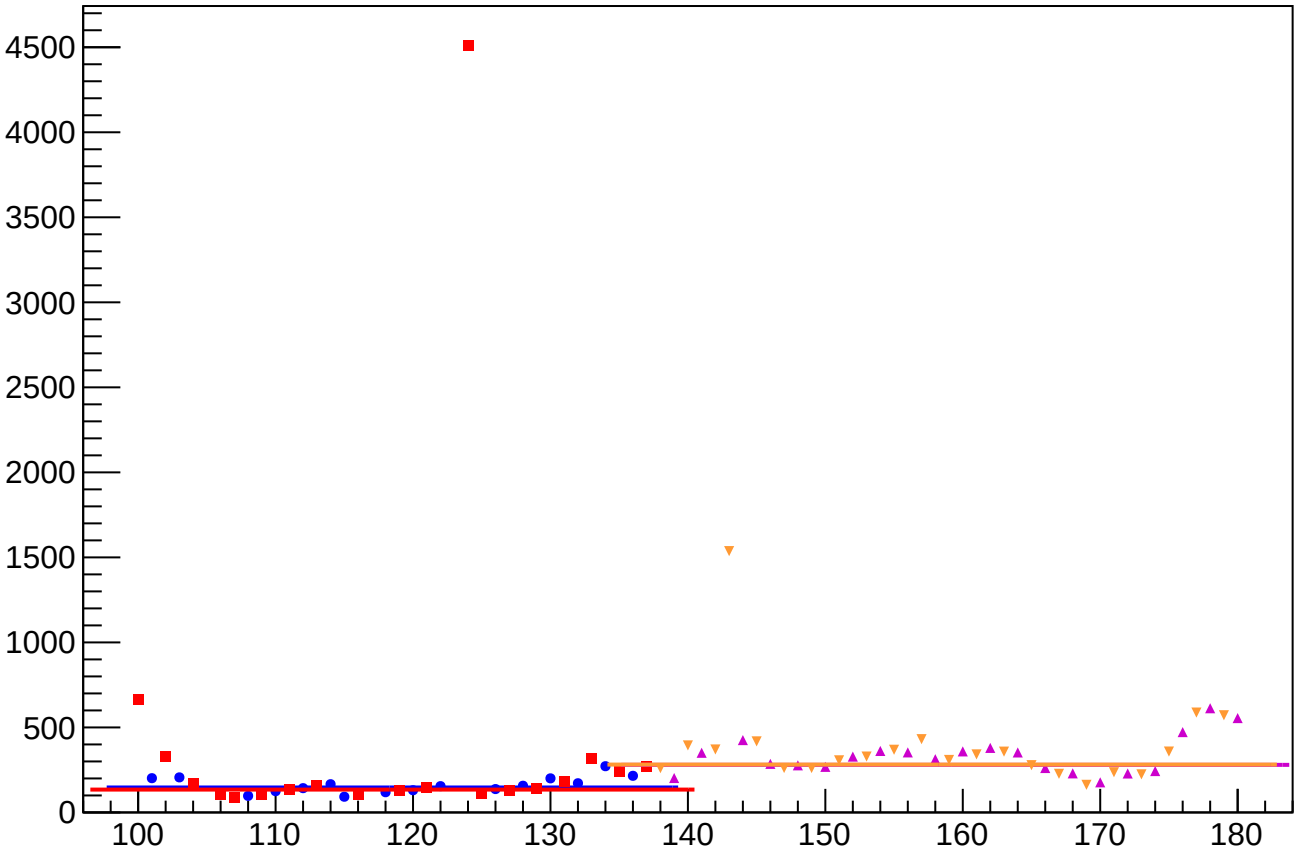
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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: 281.543+/-0.051 χ^2/NDF:3942972.6/21

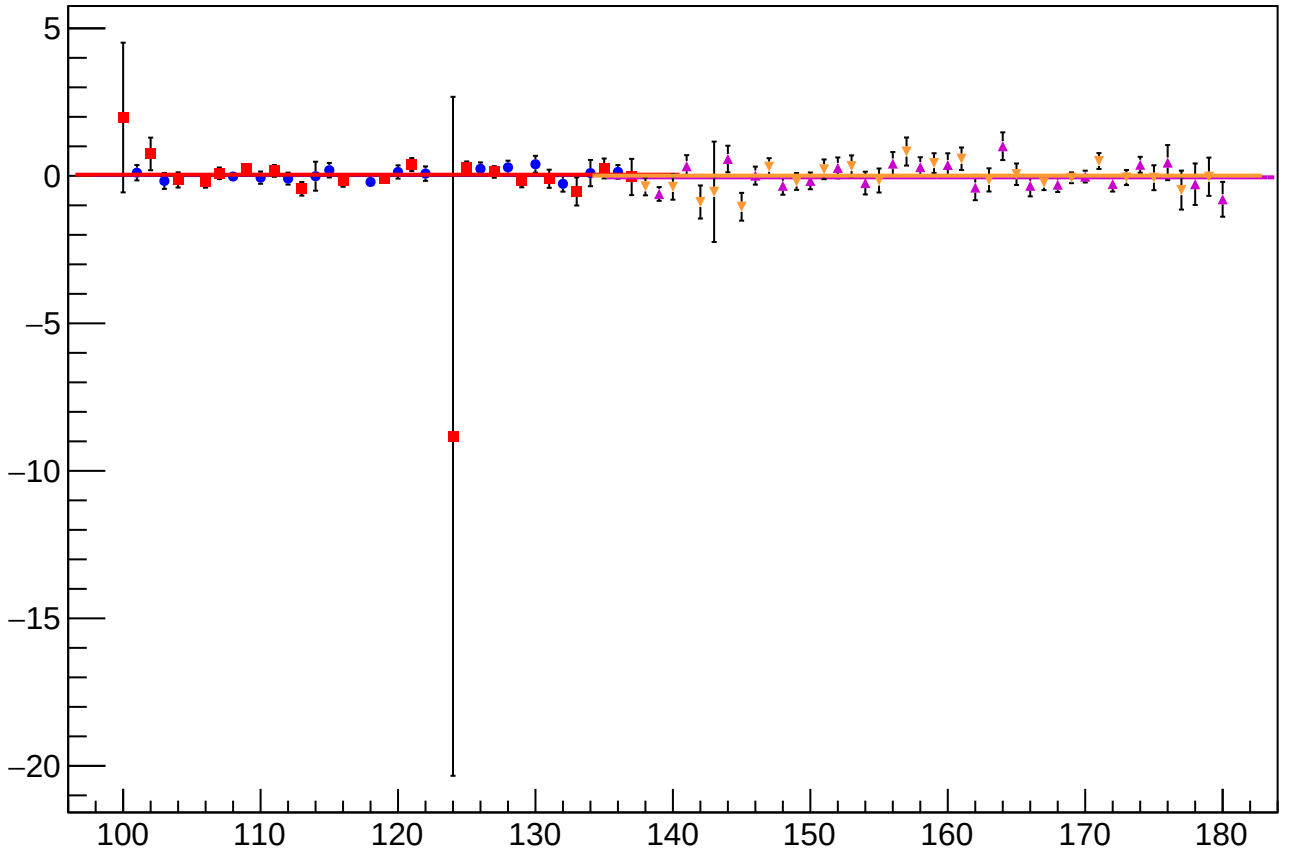
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77

- 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: 0.007+/-0.072 χ^2/NDF:24.8/21

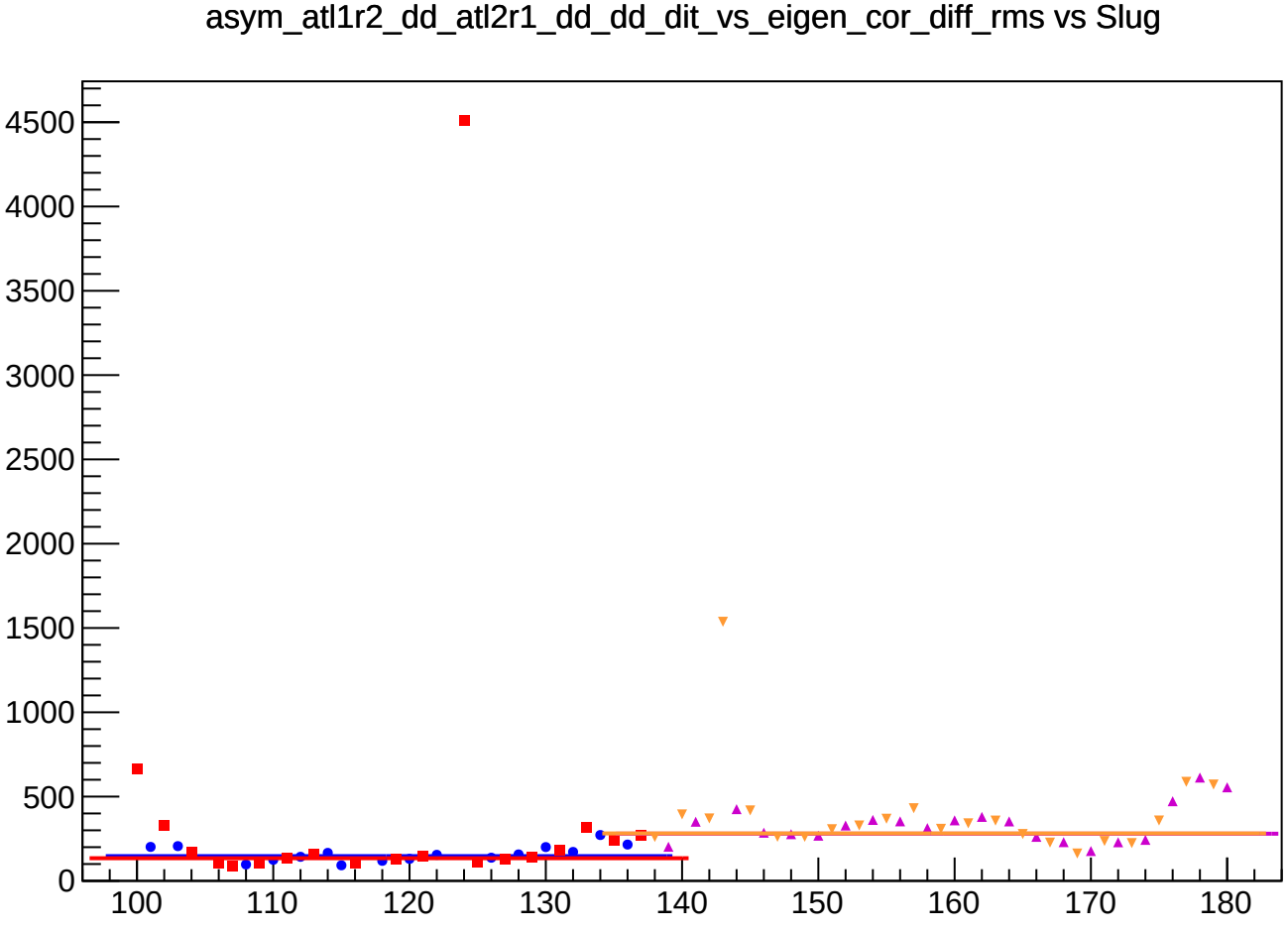
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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: 281.543+/-0.051 χ^2/NDF:3942972.6/21

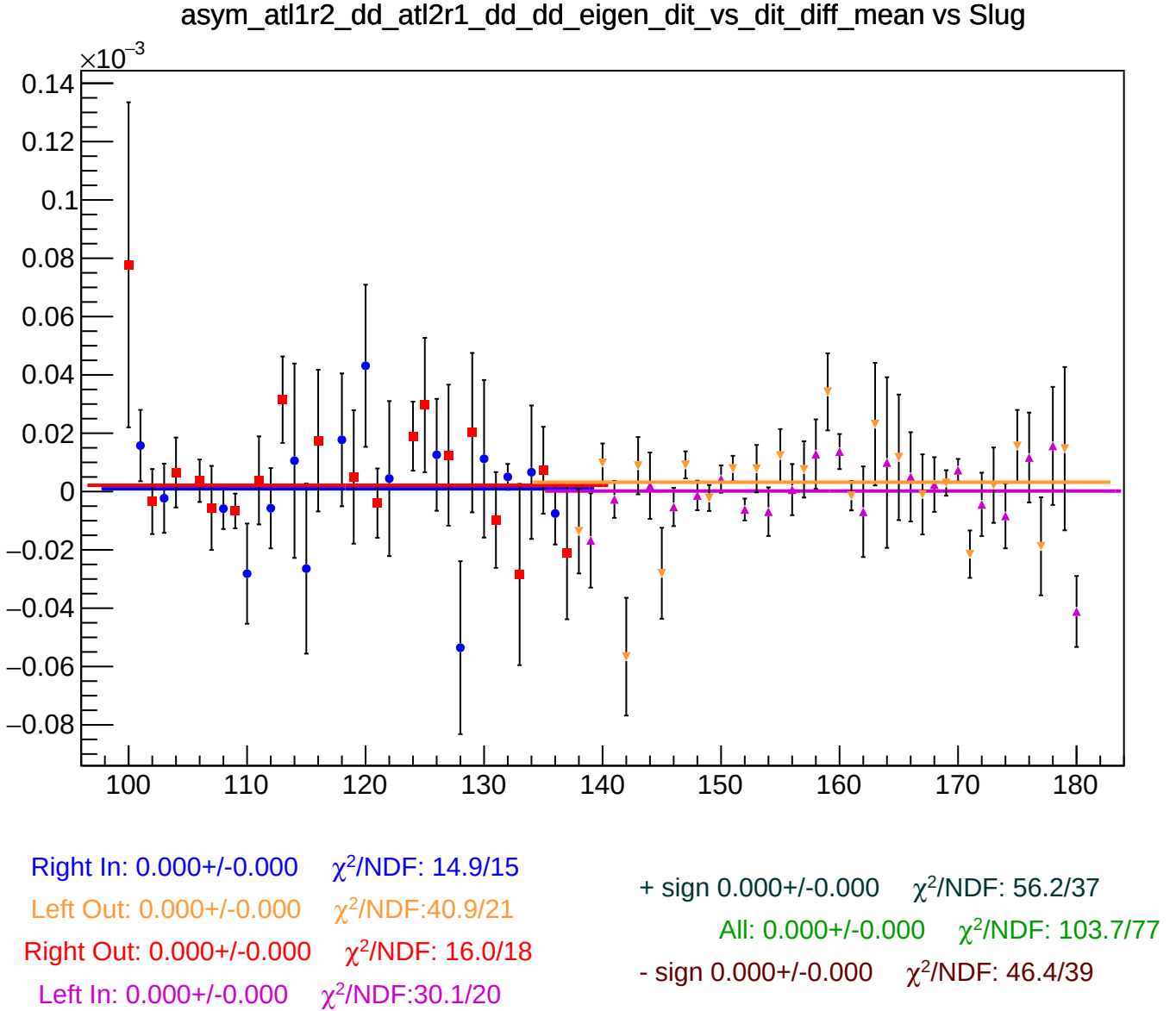
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

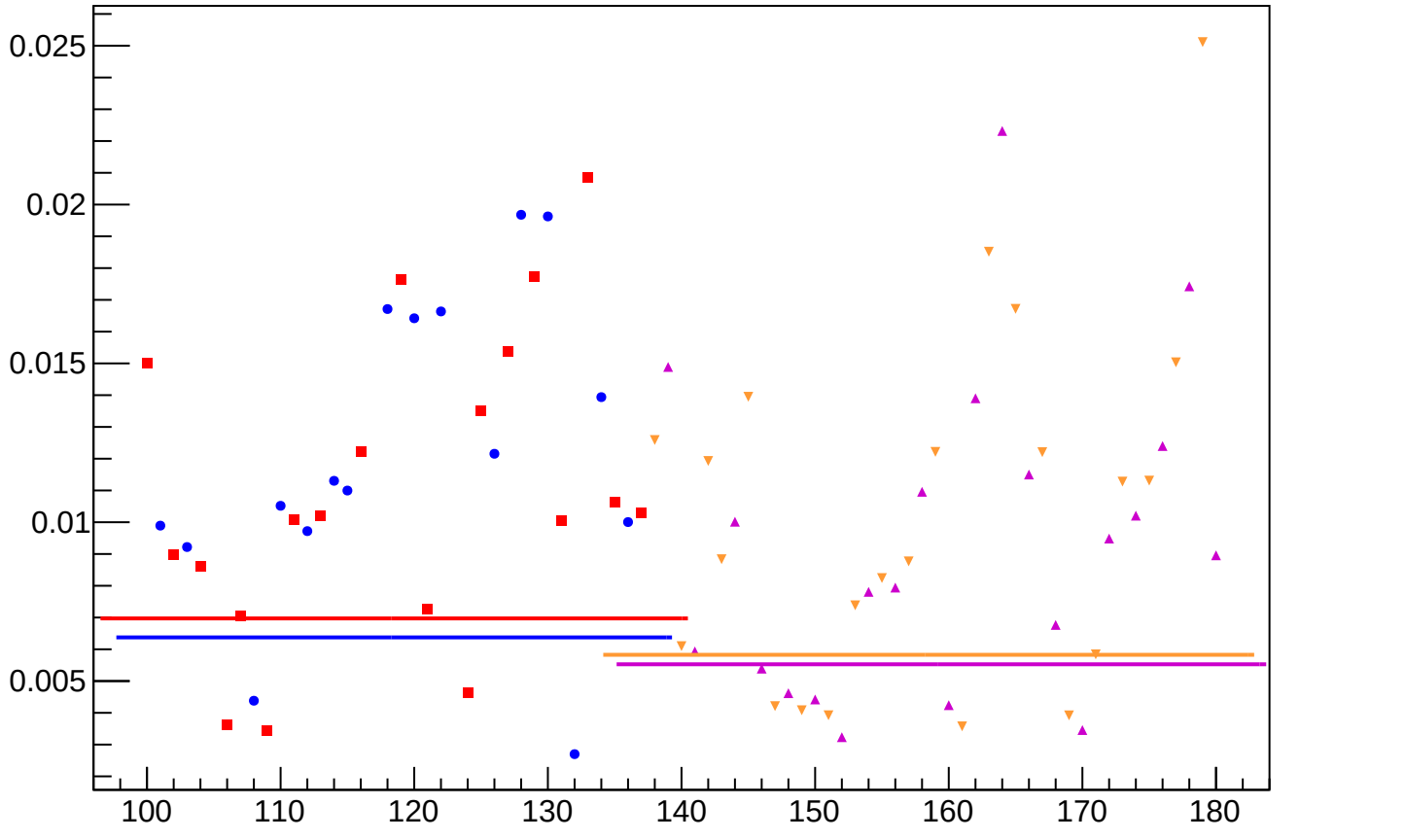
Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

+ sign 199.072+/-0.032 χ^2/NDF: 9169200.3/37

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77

- sign 188.428+/-0.031 χ^2/NDF: 9612358.2/39


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:40.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:30.1/20
+ sign 0.000+/-0.000 χ²/NDF: 56.2/37
All: 0.000+/-0.000 χ²/NDF: 103.7/77
- sign 0.000+/-0.000 χ²/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:7905607.3/21

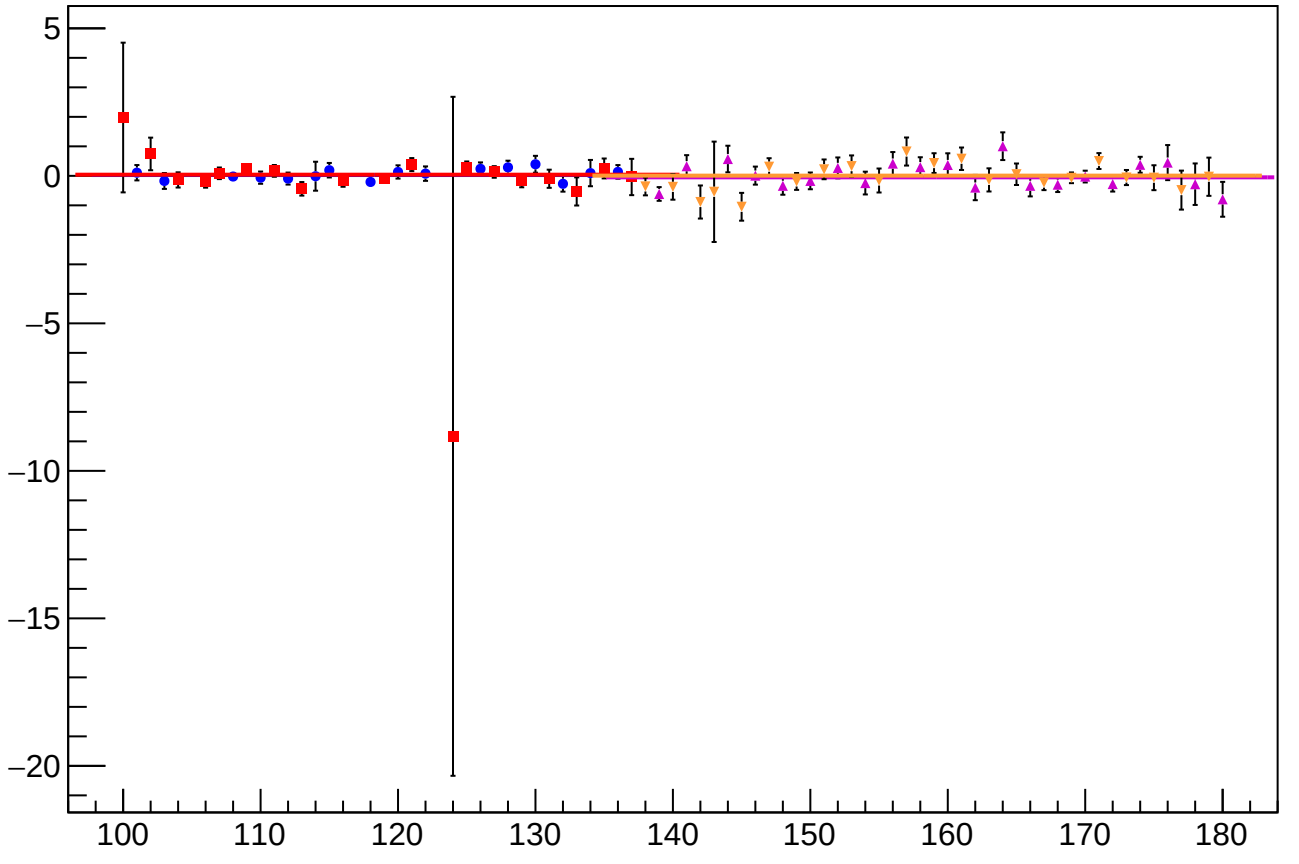
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:6756812.9/20

+ sign 0.006+/-0.000 χ^2/NDF: 12598679.7/37

All: 0.006+/-0.000 χ^2/NDF: 23131495.4/77

- 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: 0.007+/-0.072 χ^2/NDF:24.8/21

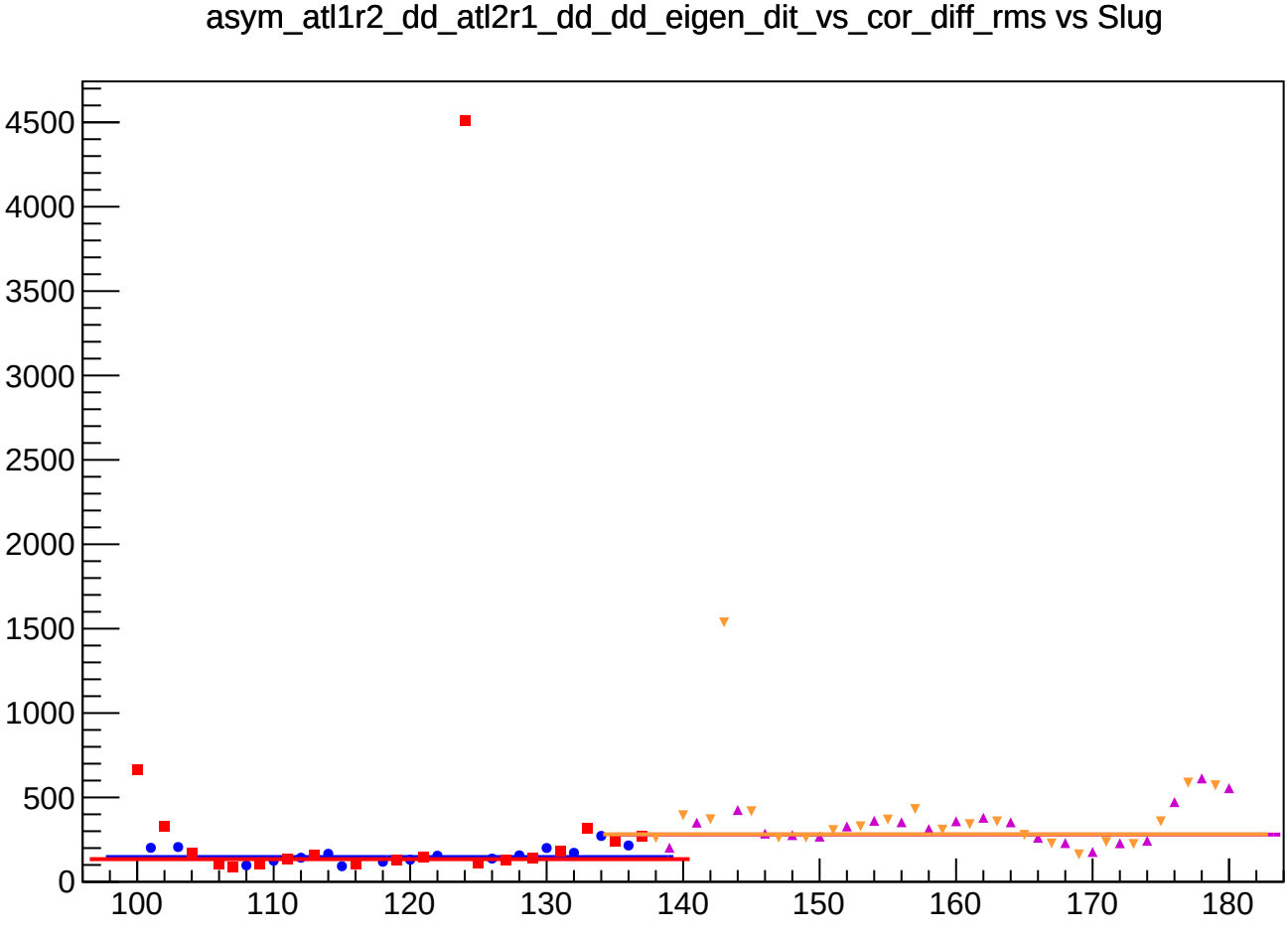
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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: 281.543+/-0.051 χ^2/NDF:3943153.6/21

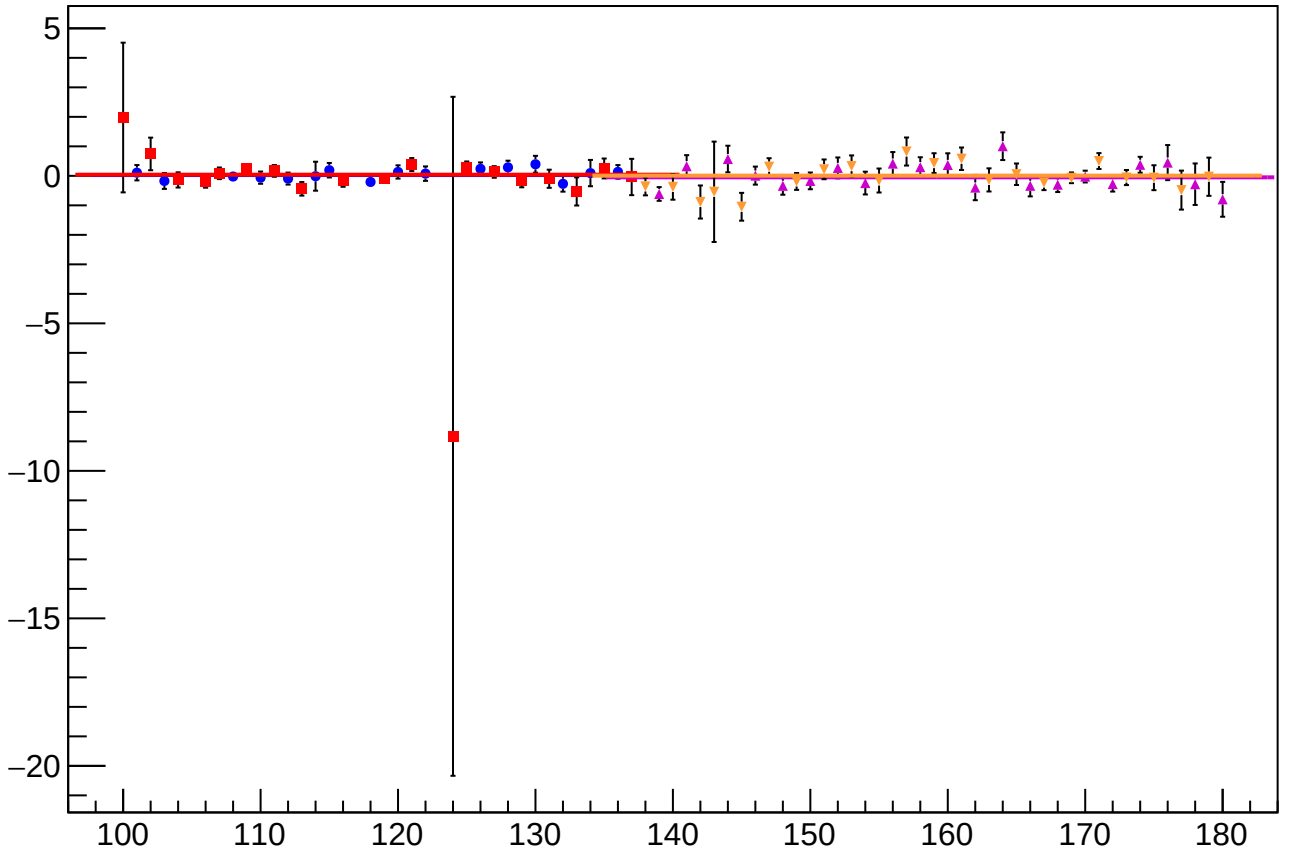
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

+ sign 199.072+/-0.032 χ^2/NDF: 9169320.6/37

All: 193.547+/-0.022 χ^2/NDF: 18839353.2/77

- sign 188.430+/-0.031 χ^2/NDF: 9612333.6/39



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

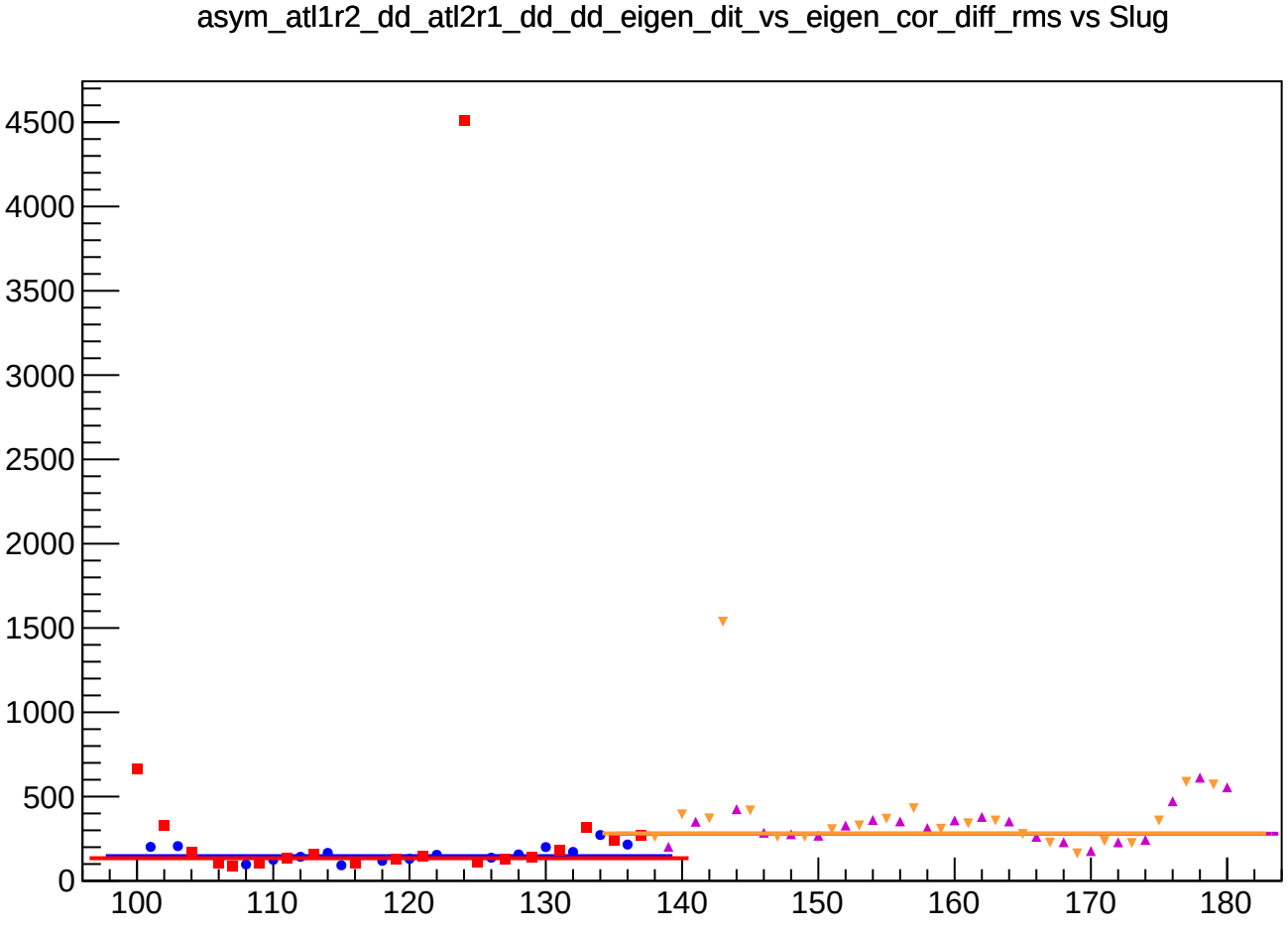
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.051+/-0.071 χ^2/NDF:27.6/20

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/37

All: 0.013+/-0.031 χ^2/NDF: 83.0/77

- 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: 281.543+/-0.051 χ^2/NDF:3943153.6/21

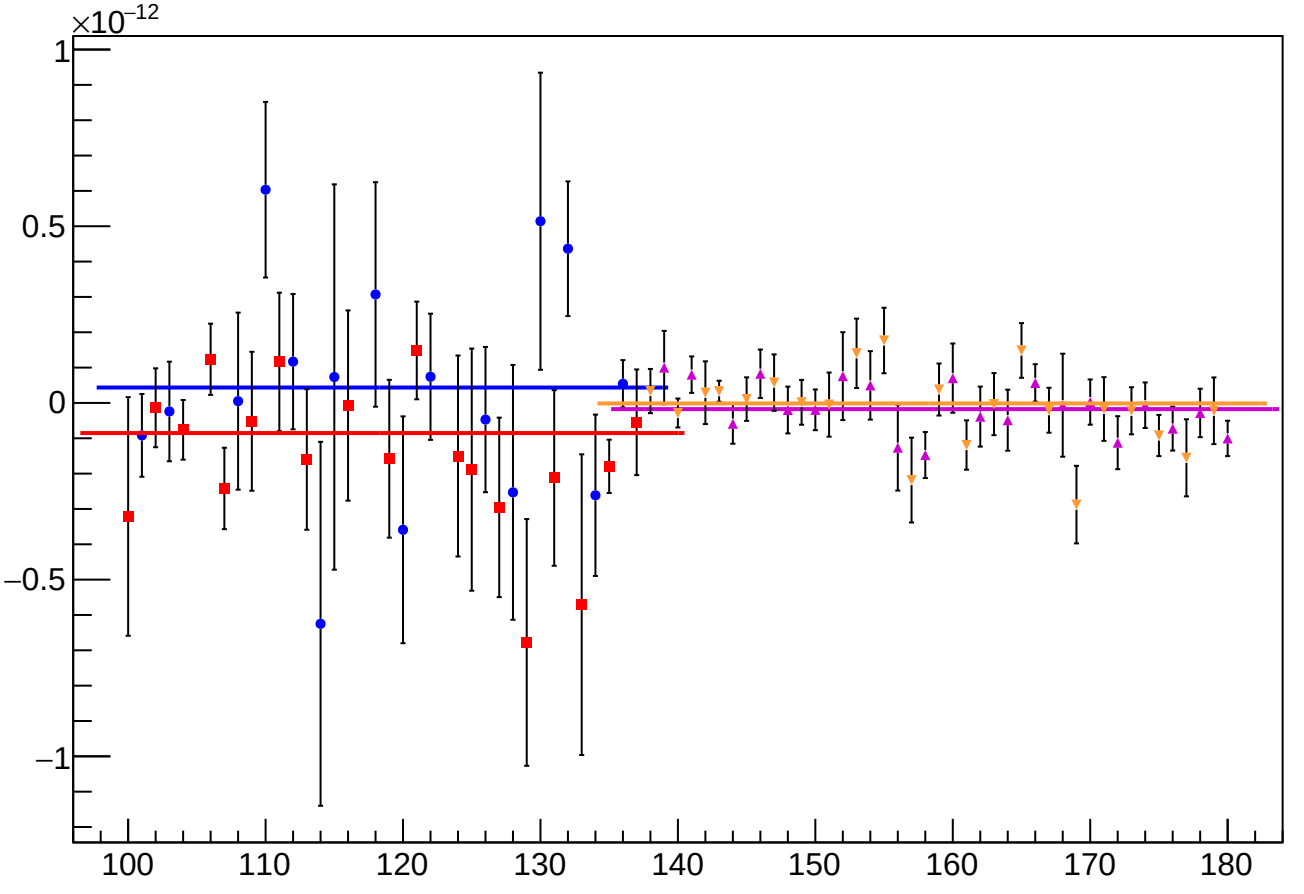
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

+ sign 199.072+/-0.032 χ^2/NDF: 9169320.6/37

All: 193.547+/-0.022 χ^2/NDF: 18839353.2/77

- 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:30.2/21

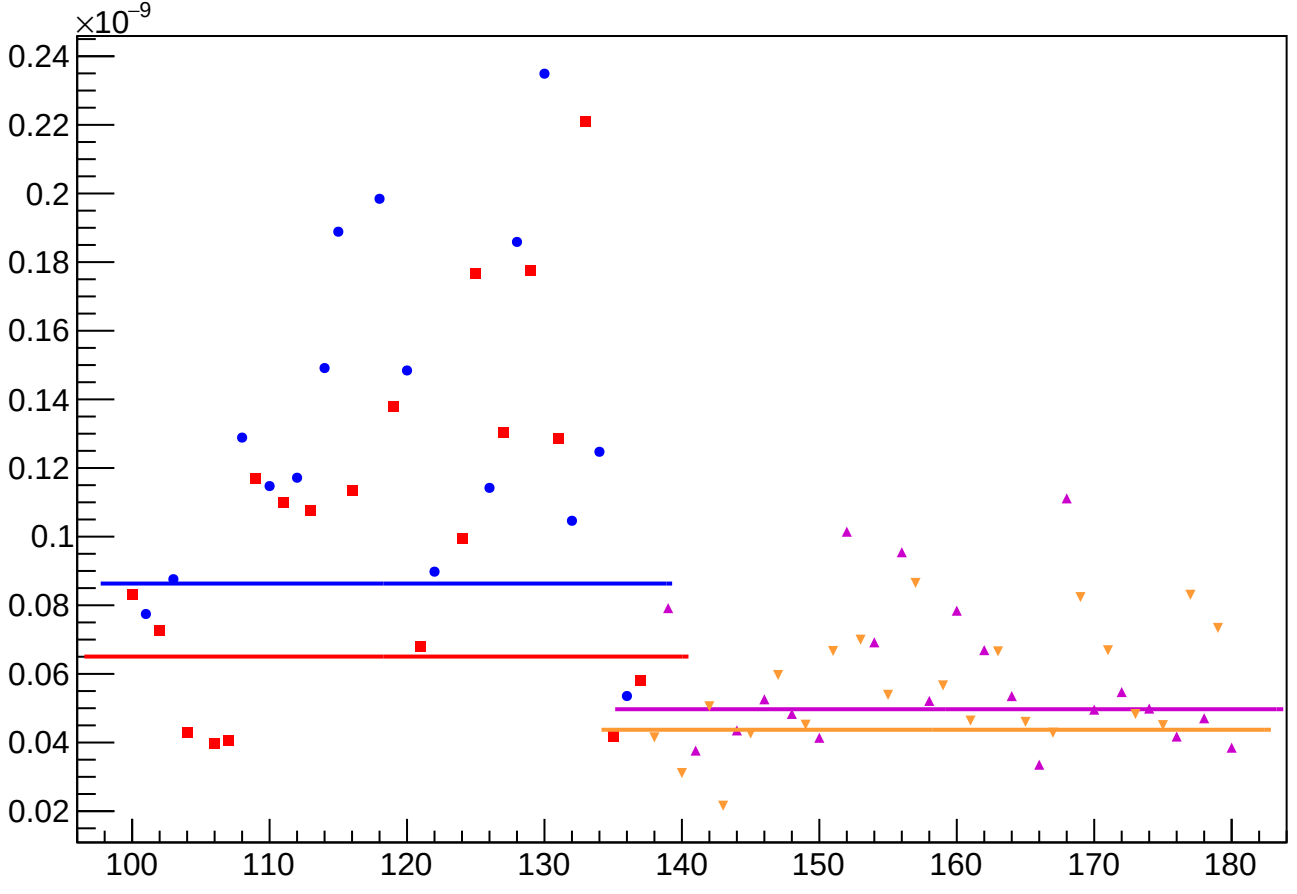
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 50.2/37

All: -0.000+/-0.000 χ^2/NDF: 96.0/77

- 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:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

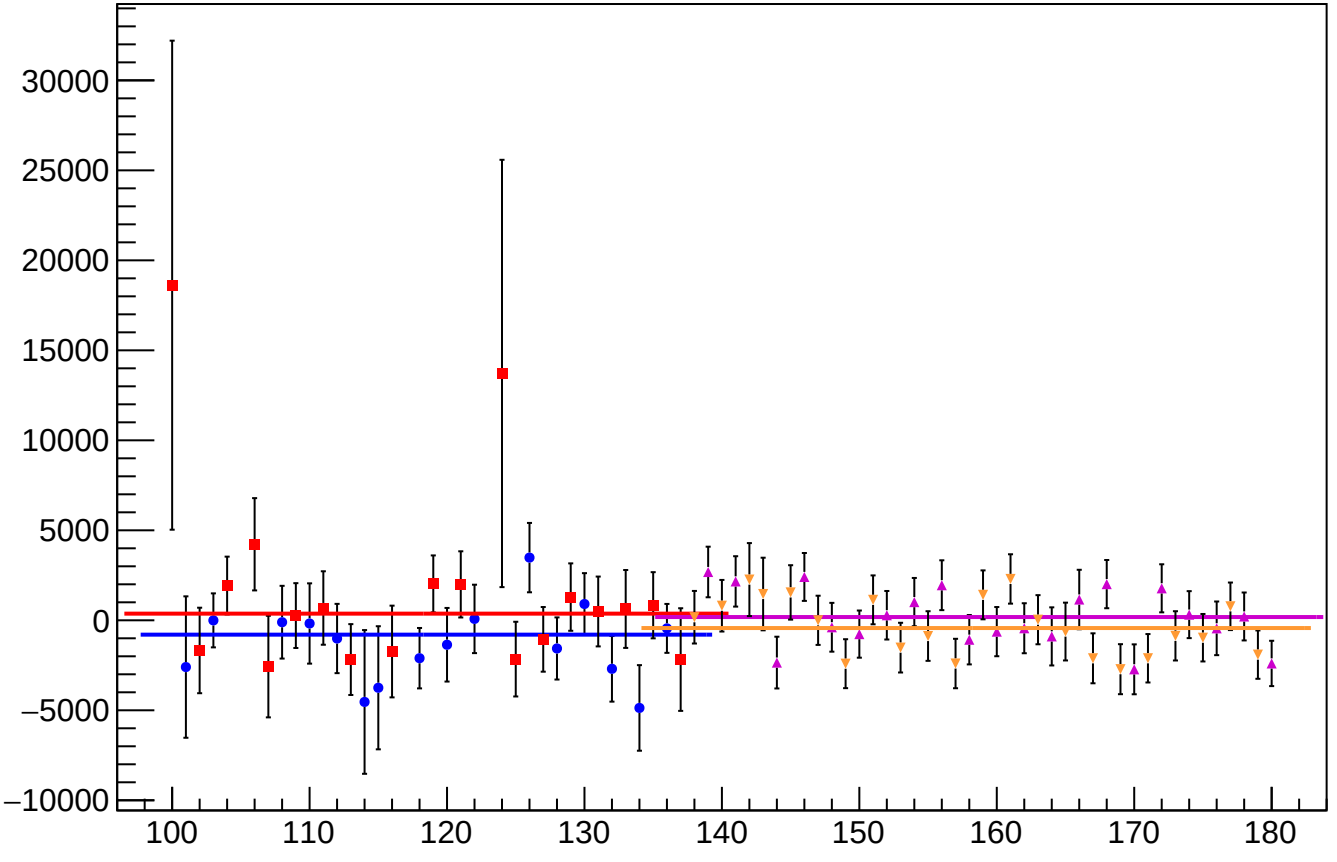
Left In: 0.000+/-0.000 χ^2/NDF:1999591.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 6360486.4/37

All: 0.000+/-0.000 χ^2/NDF: 10956342.8/77

- 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: -430.217+/-302.828 χ^2/NDF:25.6/21

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

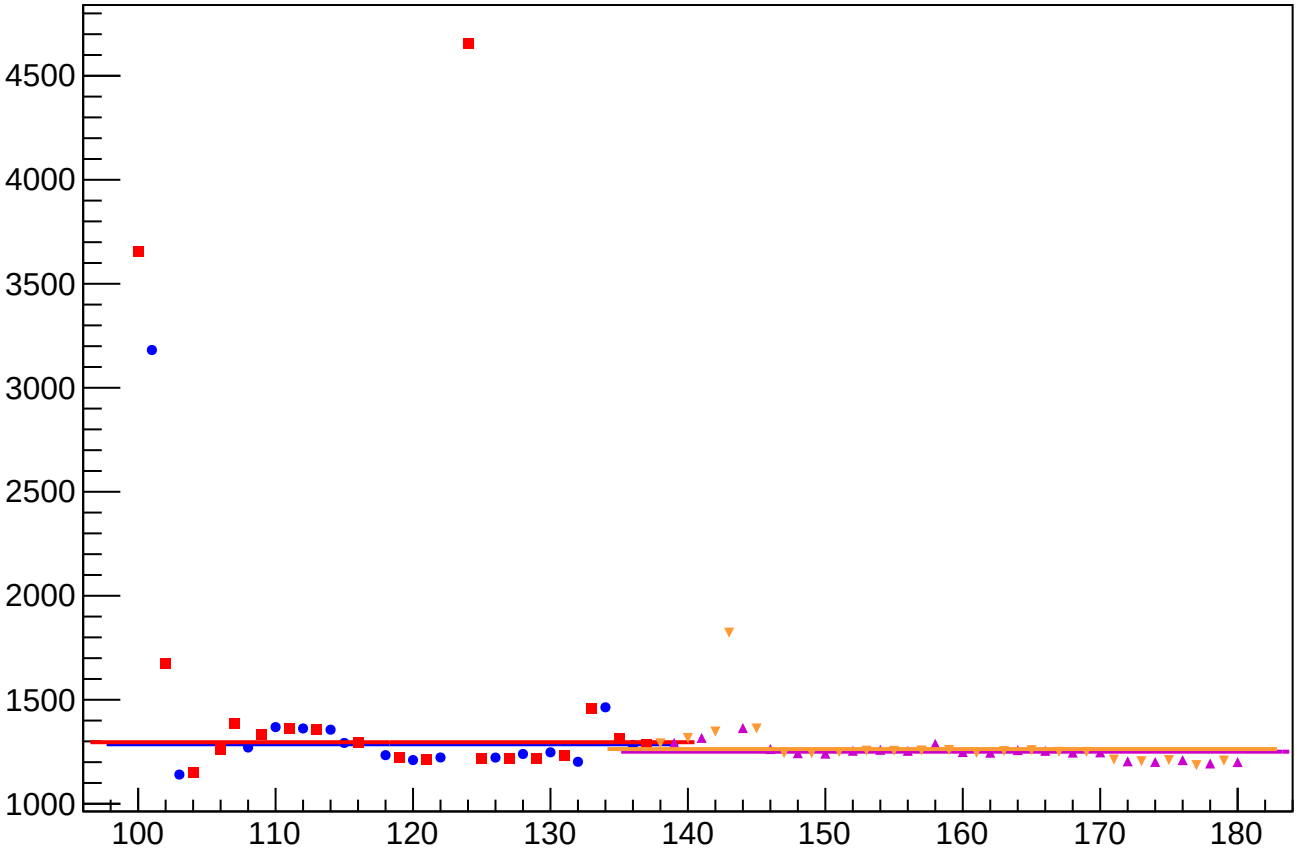
Left In: 181.078+/-301.163 χ^2/NDF:28.0/20

+ sign -532.434+/-257.231 χ^2/NDF: 39.4/37

All: -147.574+/-181.443 χ^2/NDF: 87.6/77

- 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: 1262.975+/-0.214 χ^2/NDF:191424.8/21

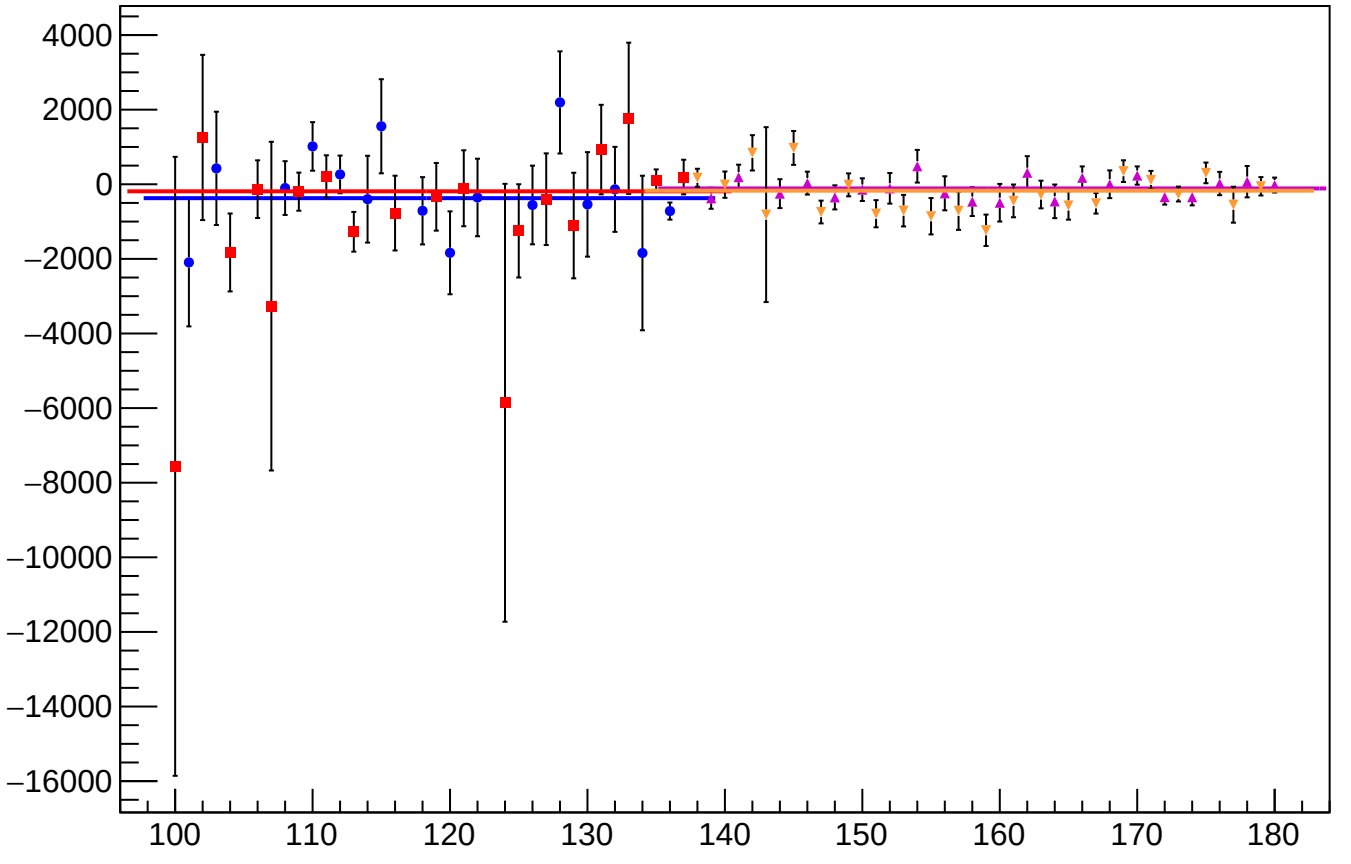
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.3/20

+ sign 1269.414+/-0.182 χ^2/NDF: 712798.5/37

All: 1266.199+/-0.128 χ^2/NDF: 1088639.1/77

- 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: -171.625+/-70.139 χ^2/NDF:42.8/21

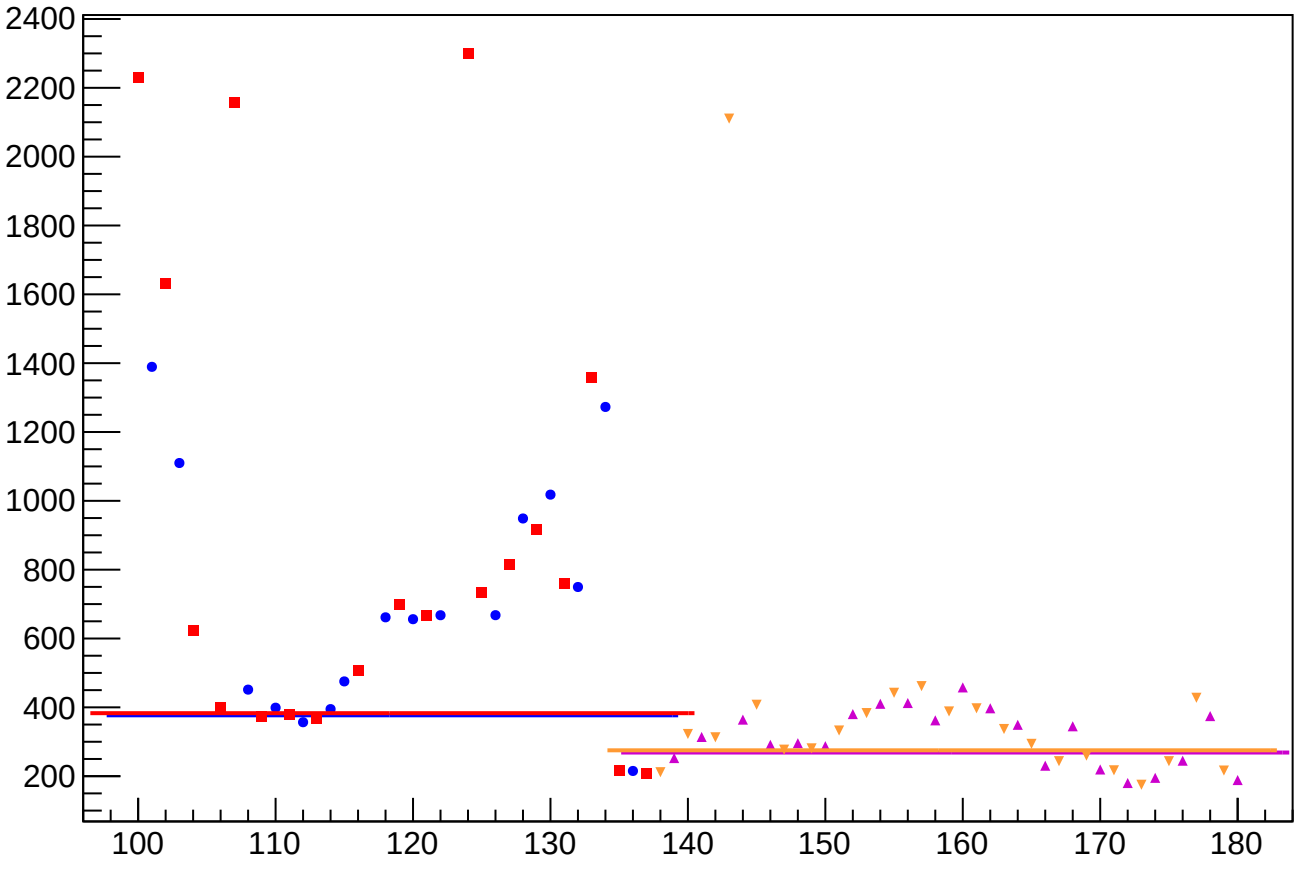
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -112.029+/-67.902 χ^2/NDF:13.5/20

+ sign -201.353+/-64.736 χ^2/NDF: 62.1/37

All: -160.958+/-45.162 χ^2/NDF: 91.2/77

- 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: 275.146+/-0.050 χ^2/NDF:3615699.4/21

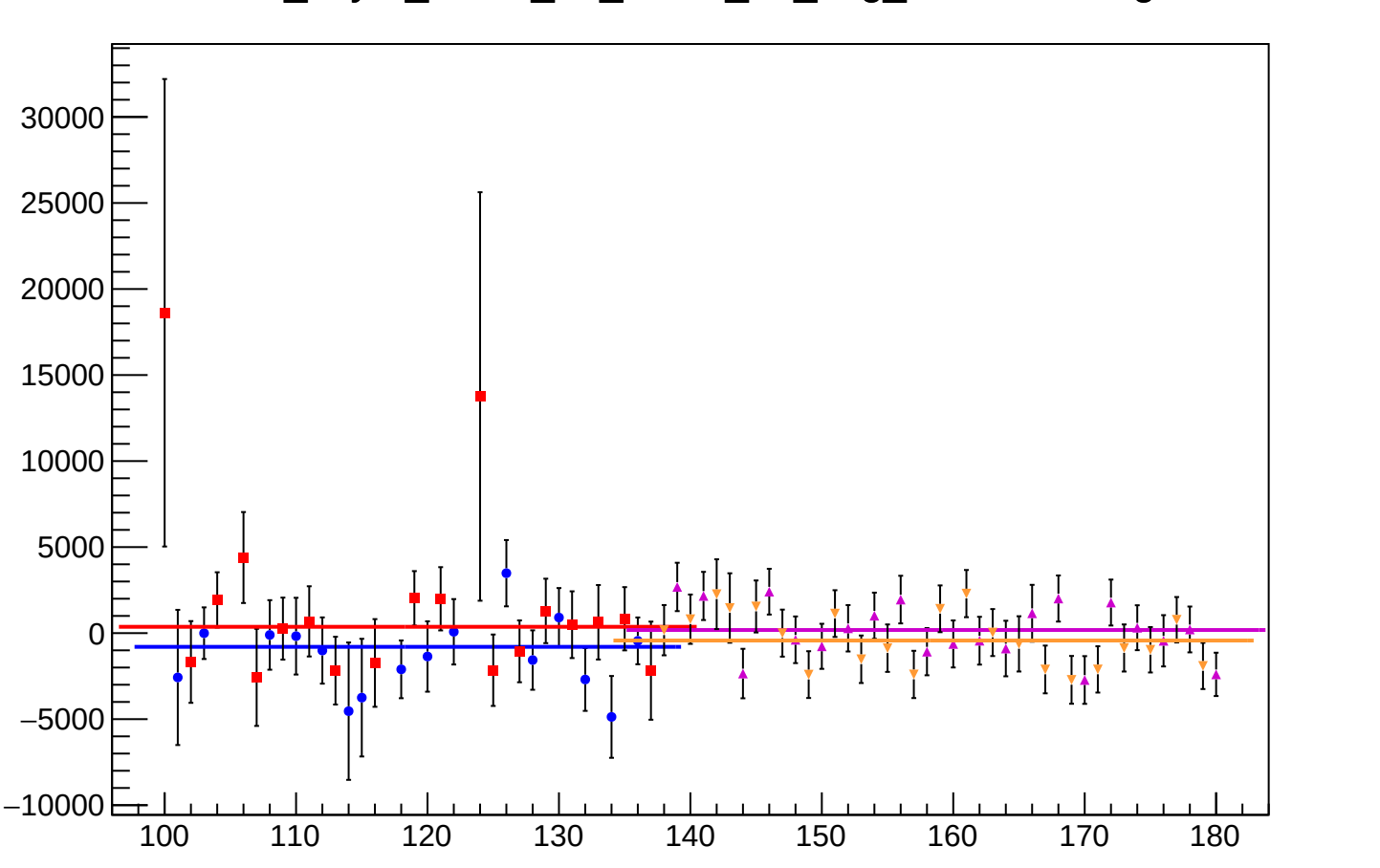
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 268.718+/-0.048 χ^2/NDF:2652731.8/20

+ sign 290.217+/-0.046 χ^2/NDF: 8429301.5/37

All: 287.293+/-0.032 χ^2/NDF: 15927967.3/77

- 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: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

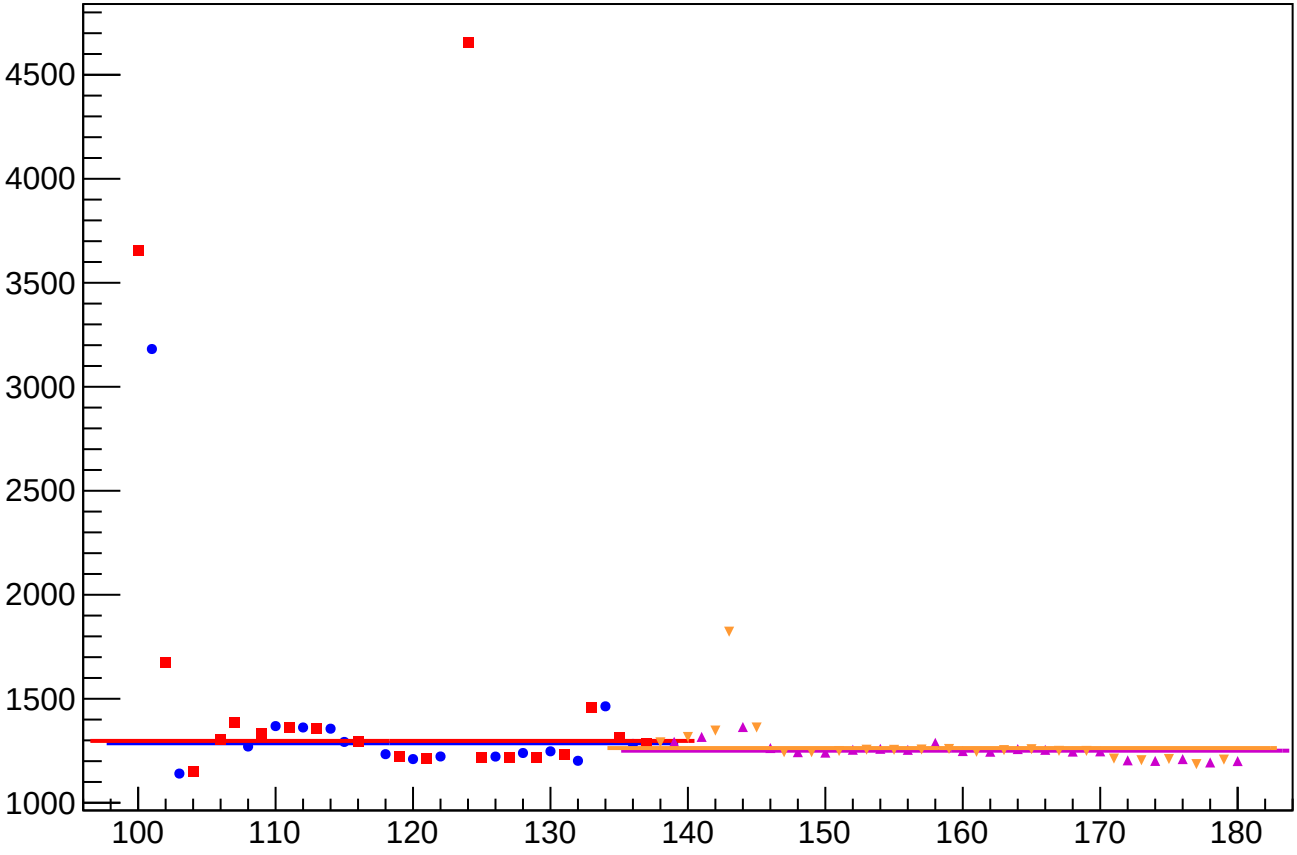
Left In: 181.049+/-301.163 χ^2/NDF:28.0/20

+ sign -532.308+/-257.231 χ^2/NDF: 39.4/37

All: -148.029+/-181.470 χ^2/NDF: 87.7/77

- 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: 1262.976+/-0.214 χ^2/NDF:191424.8/21

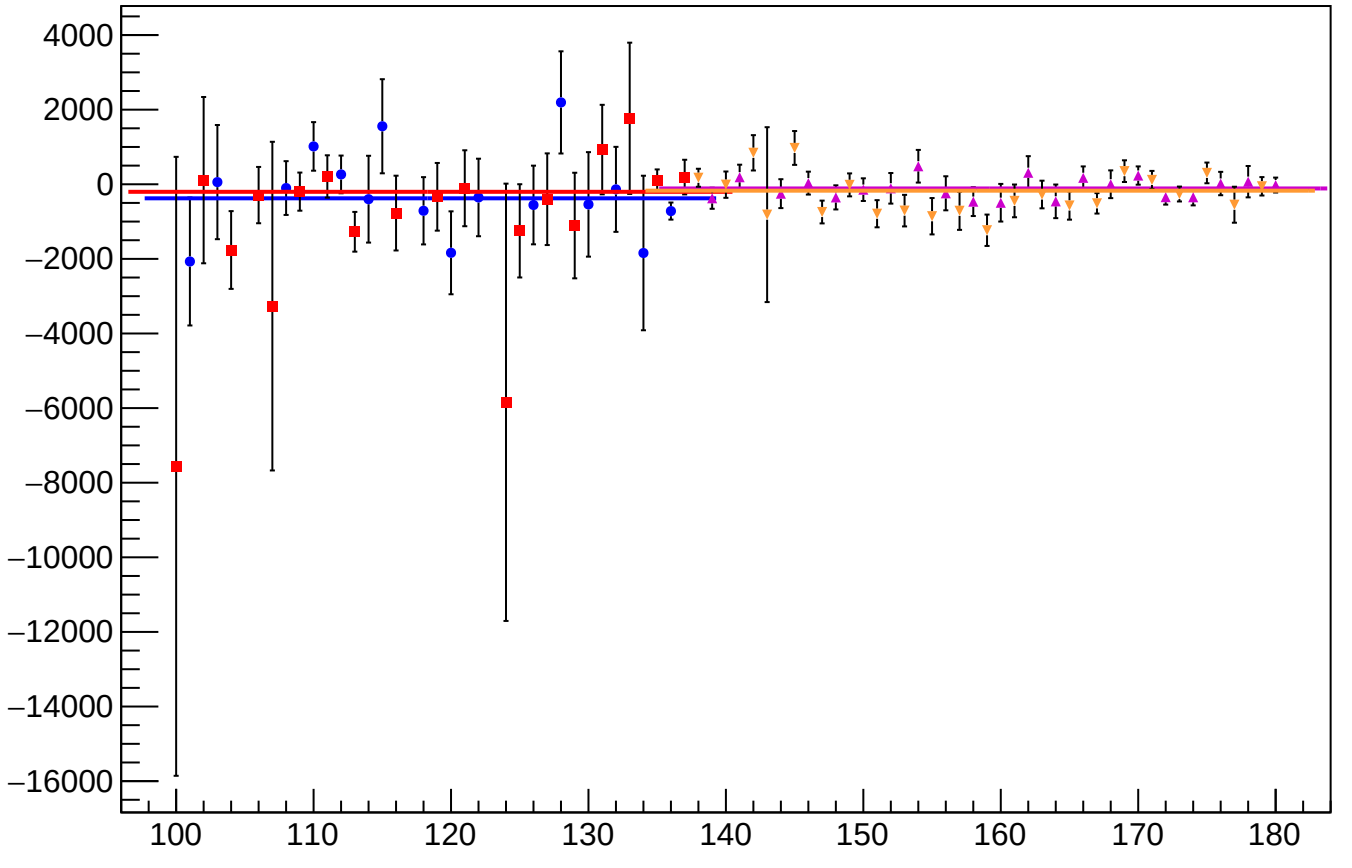
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

+ sign 1269.414+/-0.182 χ^2/NDF: 712799.9/37

All: 1266.392+/-0.128 χ^2/NDF: 1089041.6/77

- 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: -171.653+/-70.141 χ^2/NDF:42.8/21

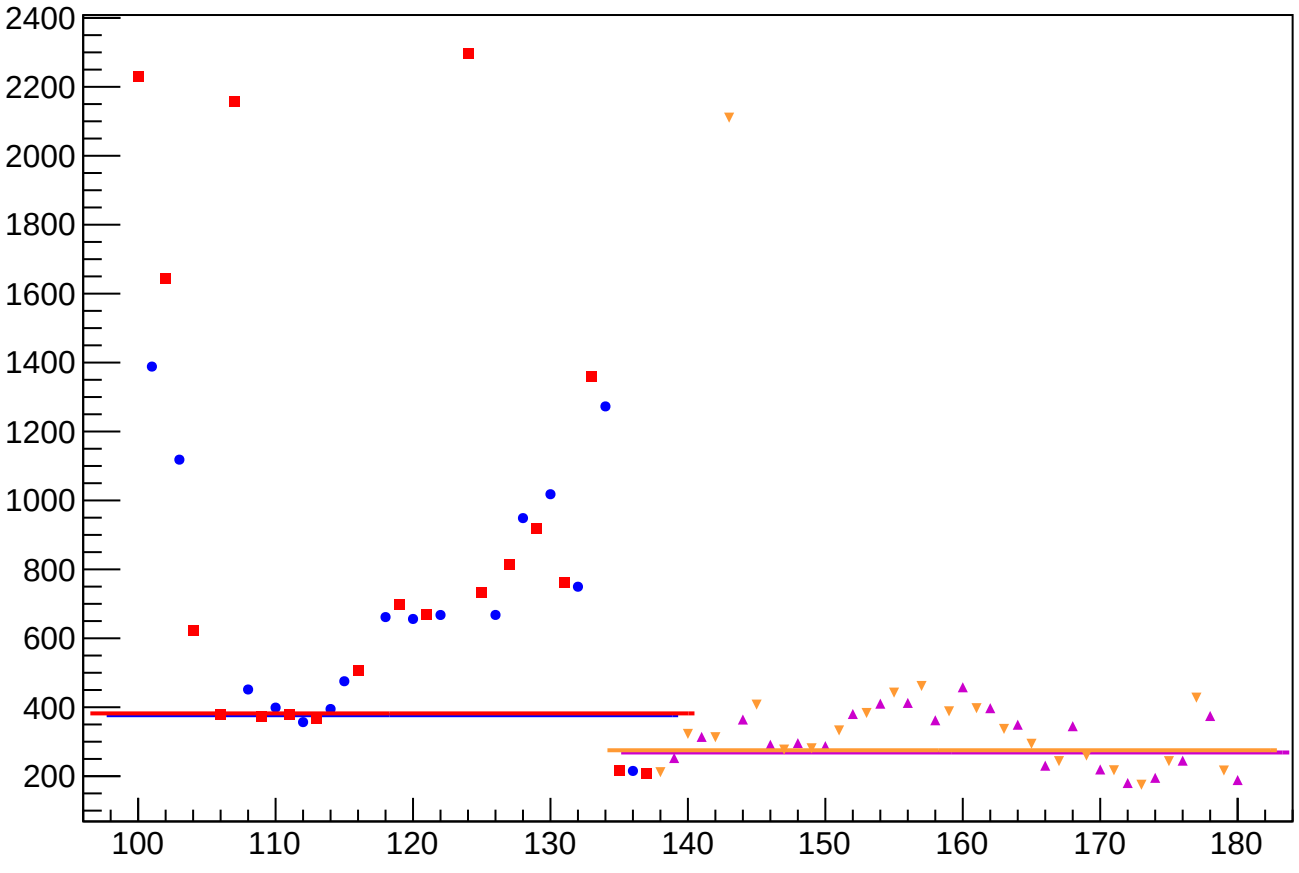
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -112.147+/-67.904 χ^2/NDF:13.4/20

+ sign -202.031+/-64.739 χ^2/NDF: 62.0/37

All: -162.283+/-45.160 χ^2/NDF: 90.4/77

- 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: 275.158+/-0.050 χ^2/NDF:3615319.1/21

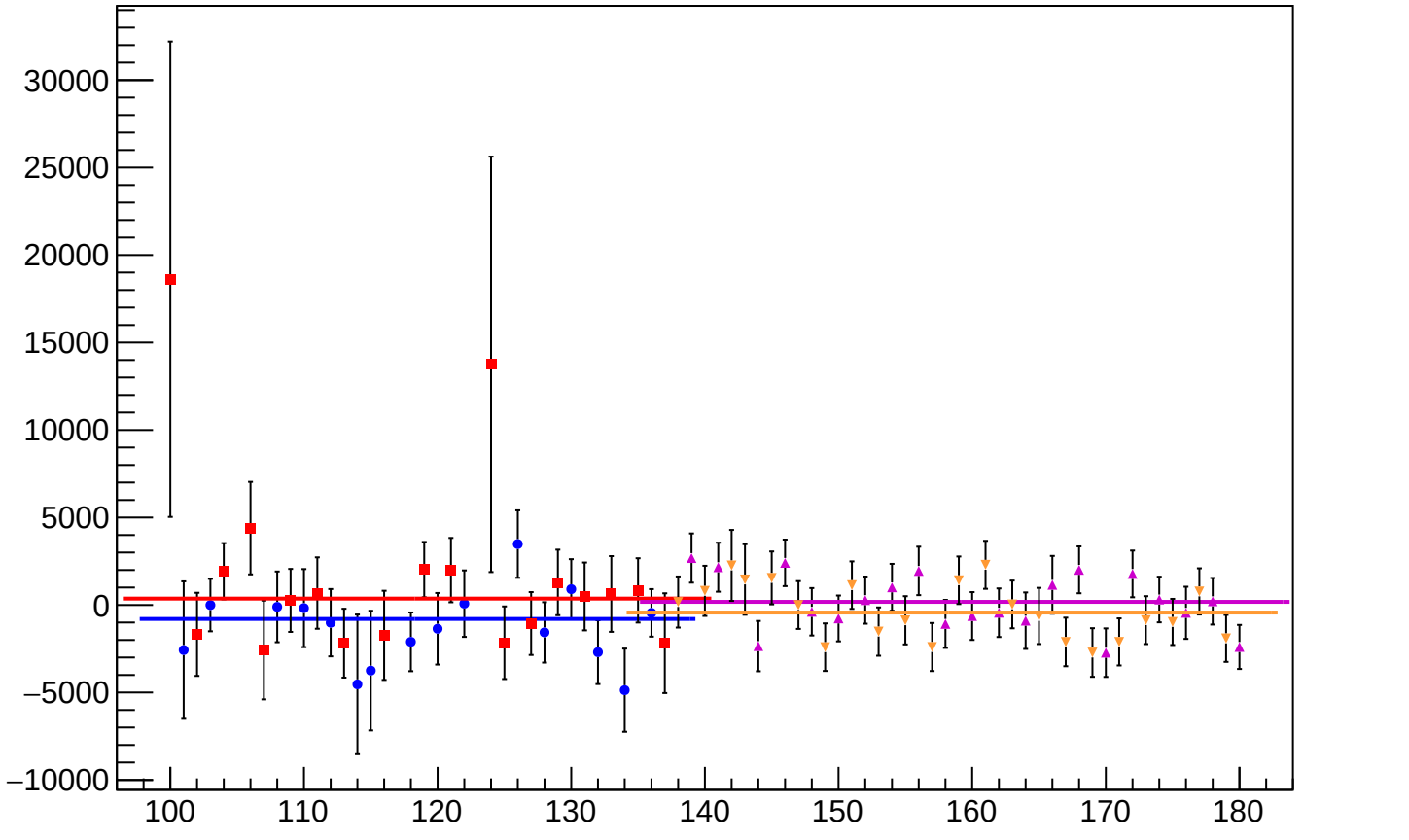
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

+ sign 290.224+/-0.046 χ^2/NDF: 8431676.5/37

All: 287.249+/-0.032 χ^2/NDF: 15924404.7/77

- 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: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

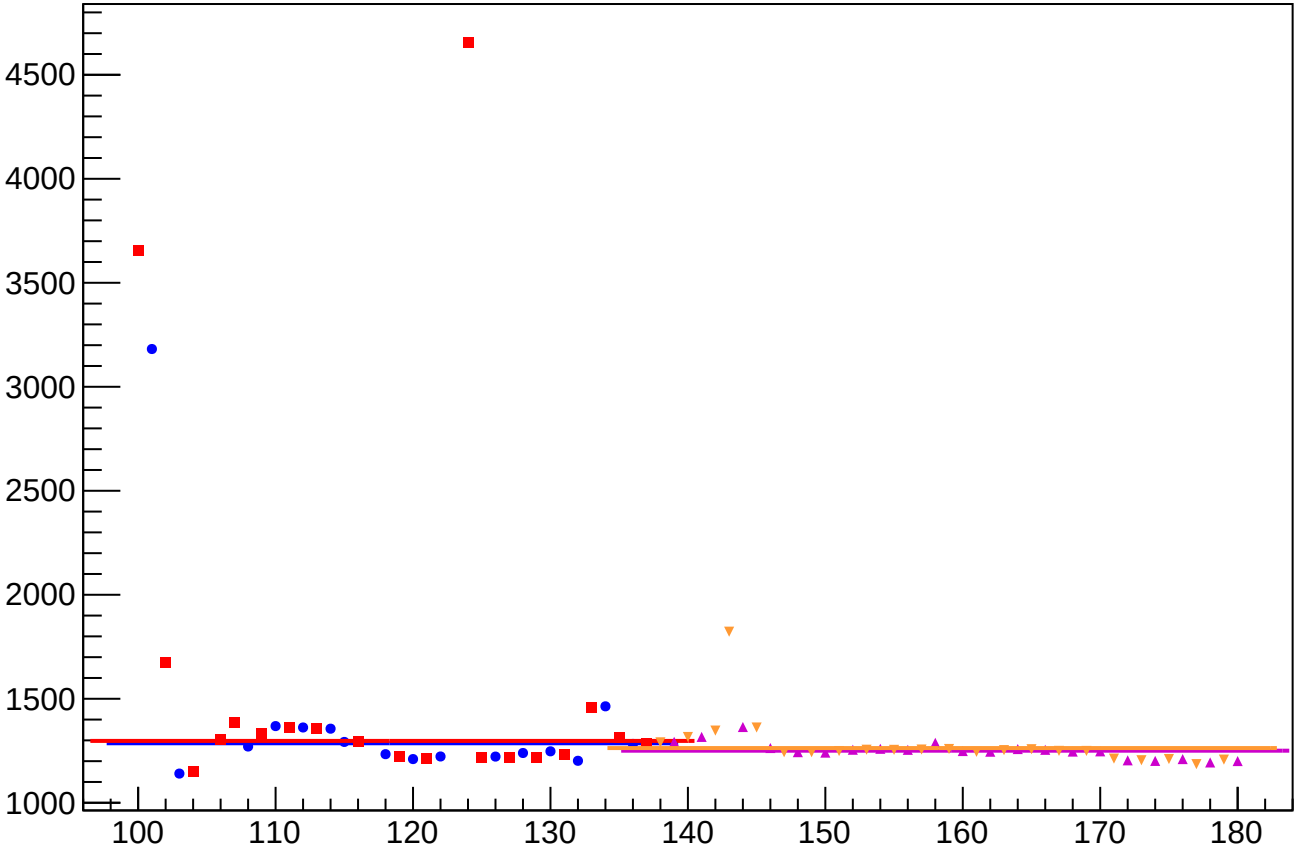
Left In: 181.049+/-301.163 χ^2/NDF:28.0/20

+ sign -532.308+/-257.231 χ^2/NDF: 39.4/37

All: -148.029+/-181.470 χ^2/NDF: 87.7/77

- 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: 1262.976+/-0.214 χ^2/NDF:191424.8/21

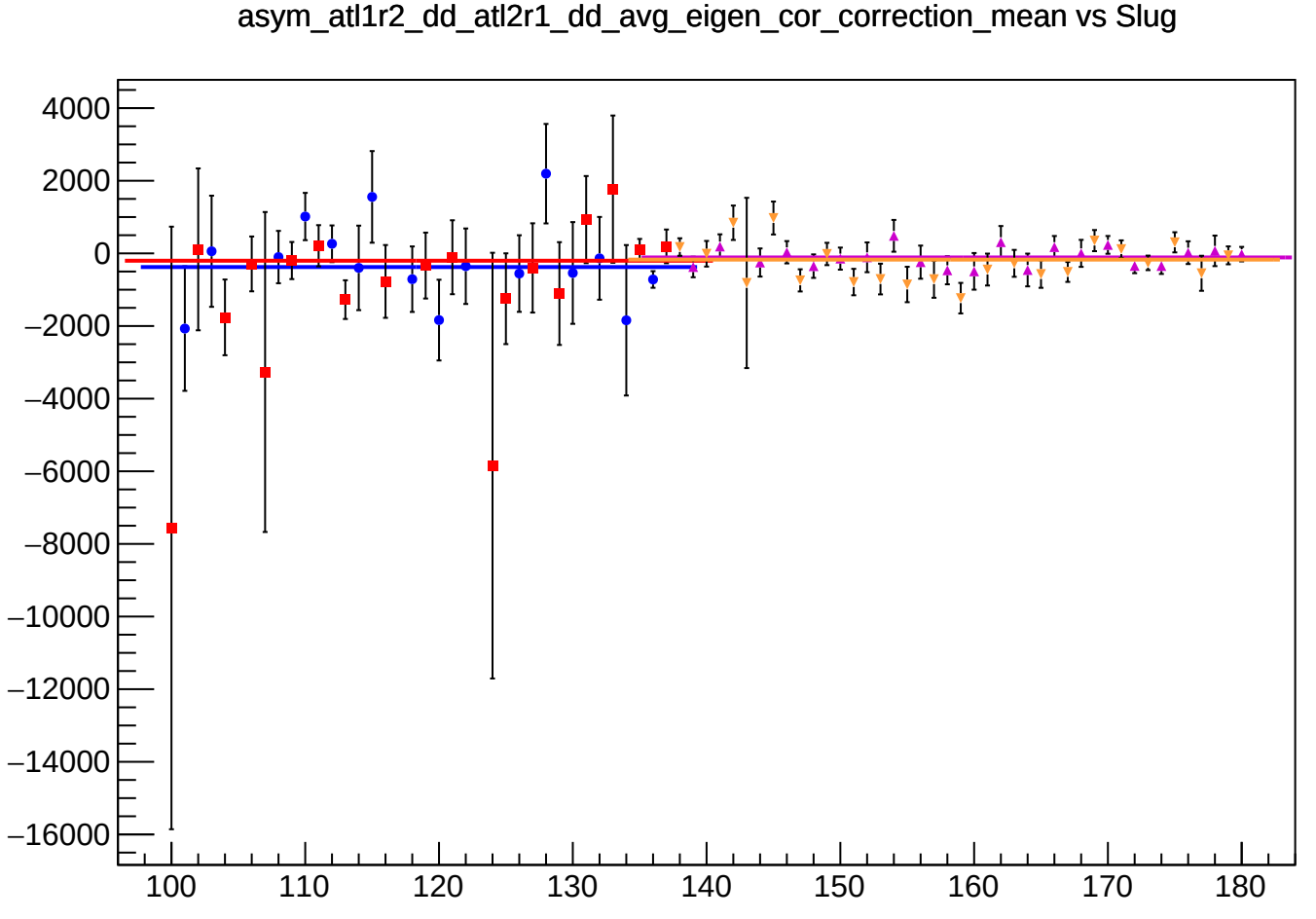
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

+ sign 1269.414+/-0.182 χ^2/NDF: 712799.9/37

All: 1266.392+/-0.128 χ^2/NDF: 1089041.6/77

- 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: -171.653+/-70.141 χ^2/NDF:42.8/21

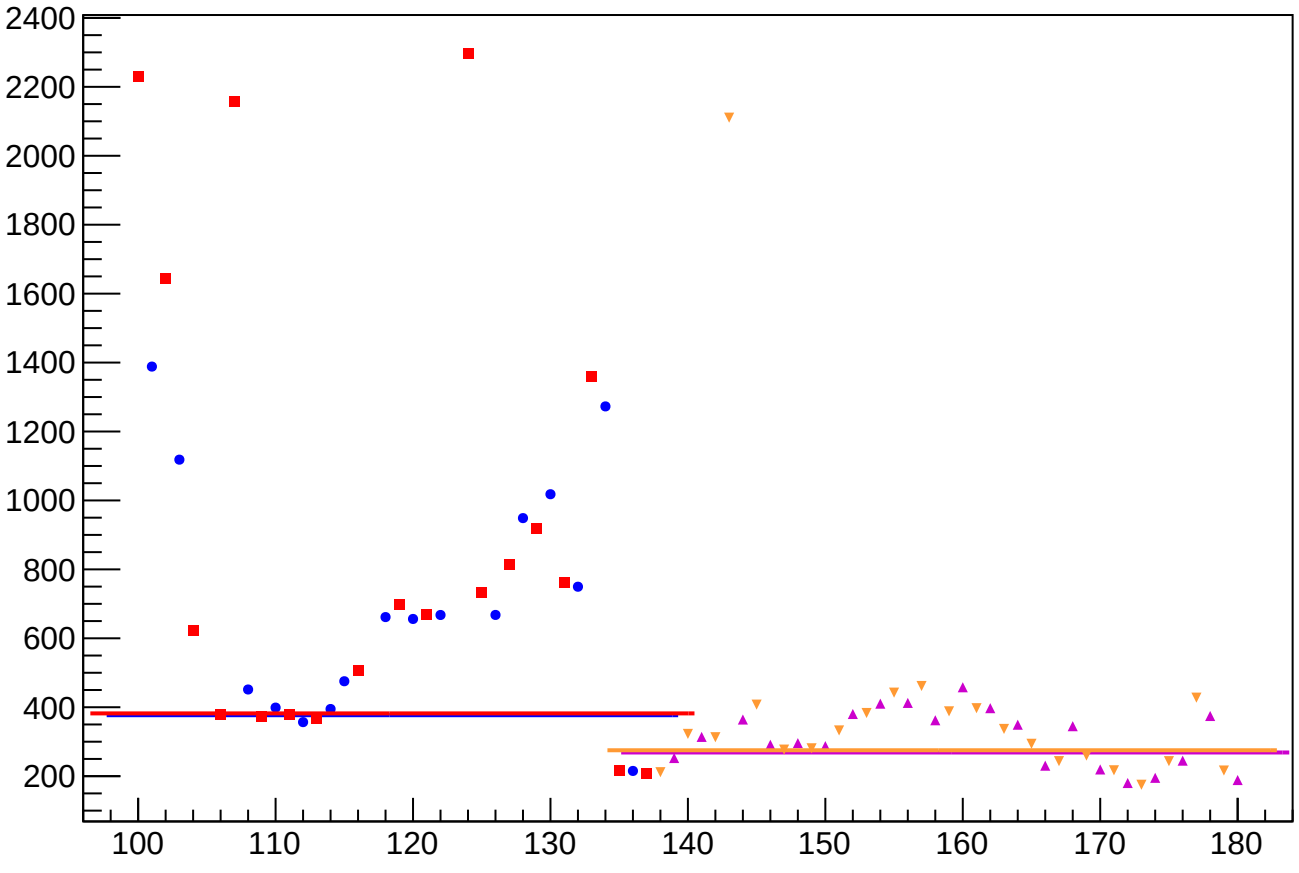
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -112.147+/-67.904 χ^2/NDF:13.4/20

+ sign -202.031+/-64.739 χ^2/NDF: 62.0/37

All: -162.283+/-45.160 χ^2/NDF: 90.4/77

- 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: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

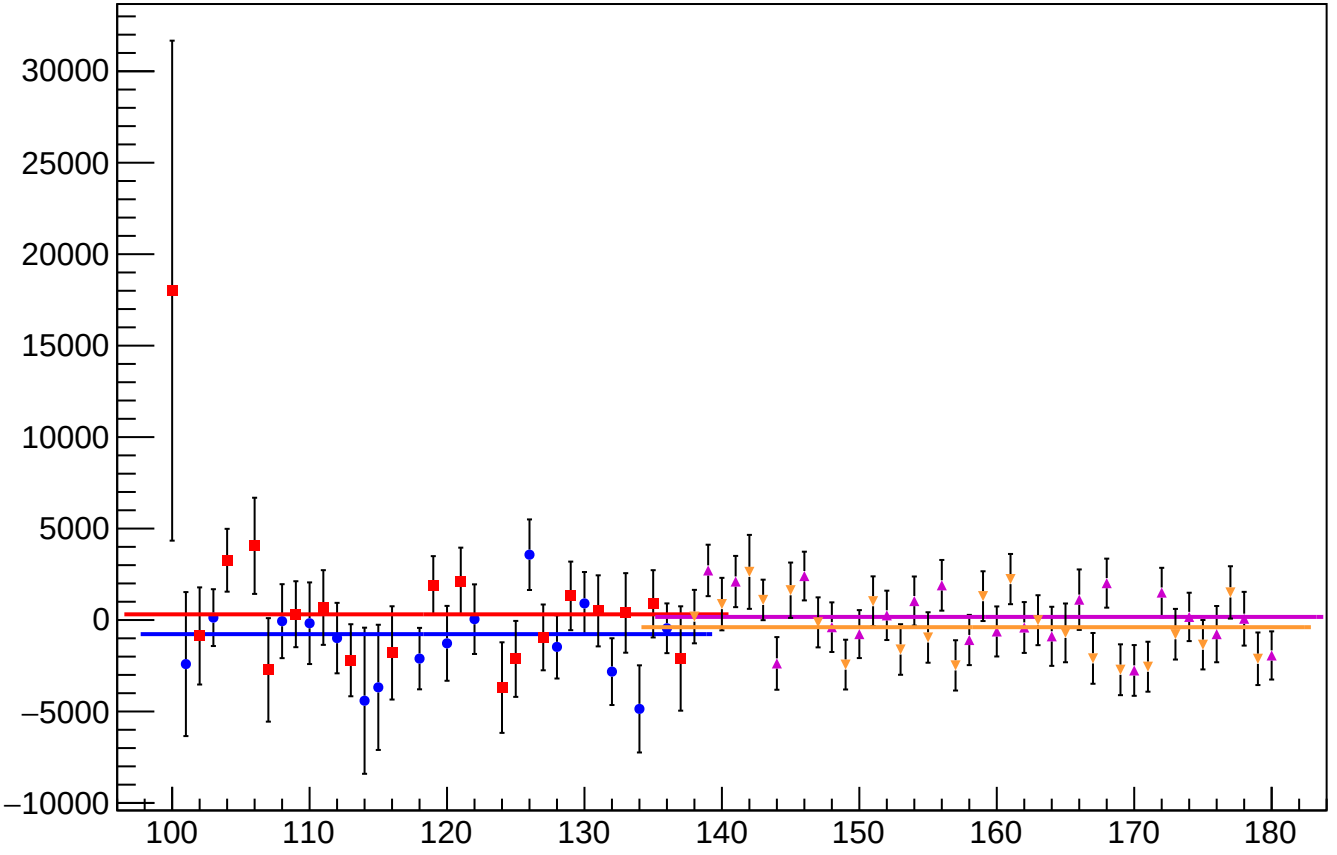
Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

+ sign 290.224+/-0.046 χ^2/NDF: 8431676.5/37

All: 287.249+/-0.032 χ^2/NDF: 15924404.7/77

- sign 284.430+/-0.045 χ^2/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: -391.037+/-298.059 χ^2/NDF:29.4/21

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

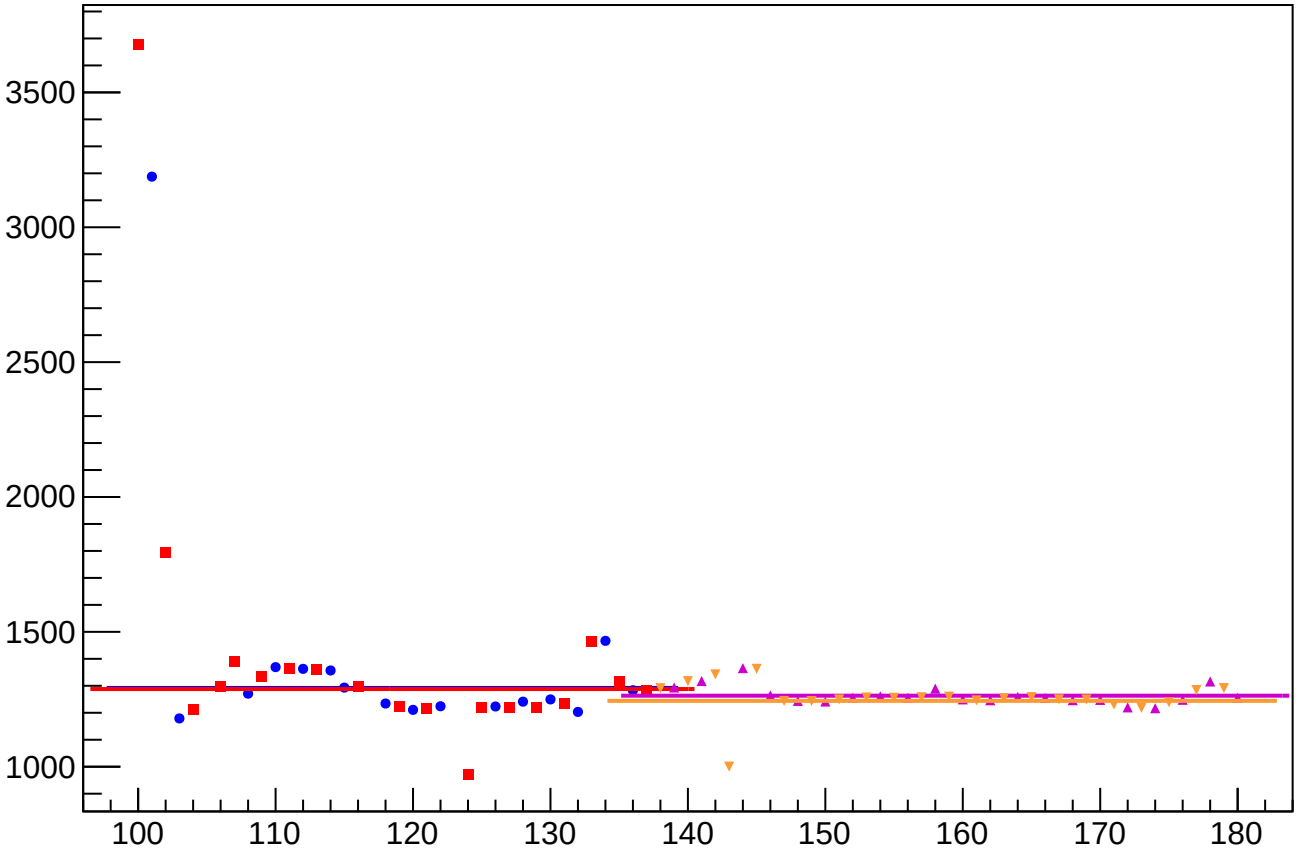
Left In: 170.087+/-304.260 χ^2/NDF:26.1/20

+ sign -493.913+/-254.592 χ^2/NDF: 43.4/37

All: -145.657+/-181.003 χ^2/NDF: 91.3/77

- 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: 1244.181+/-0.211 χ^2/NDF:127011.8/21

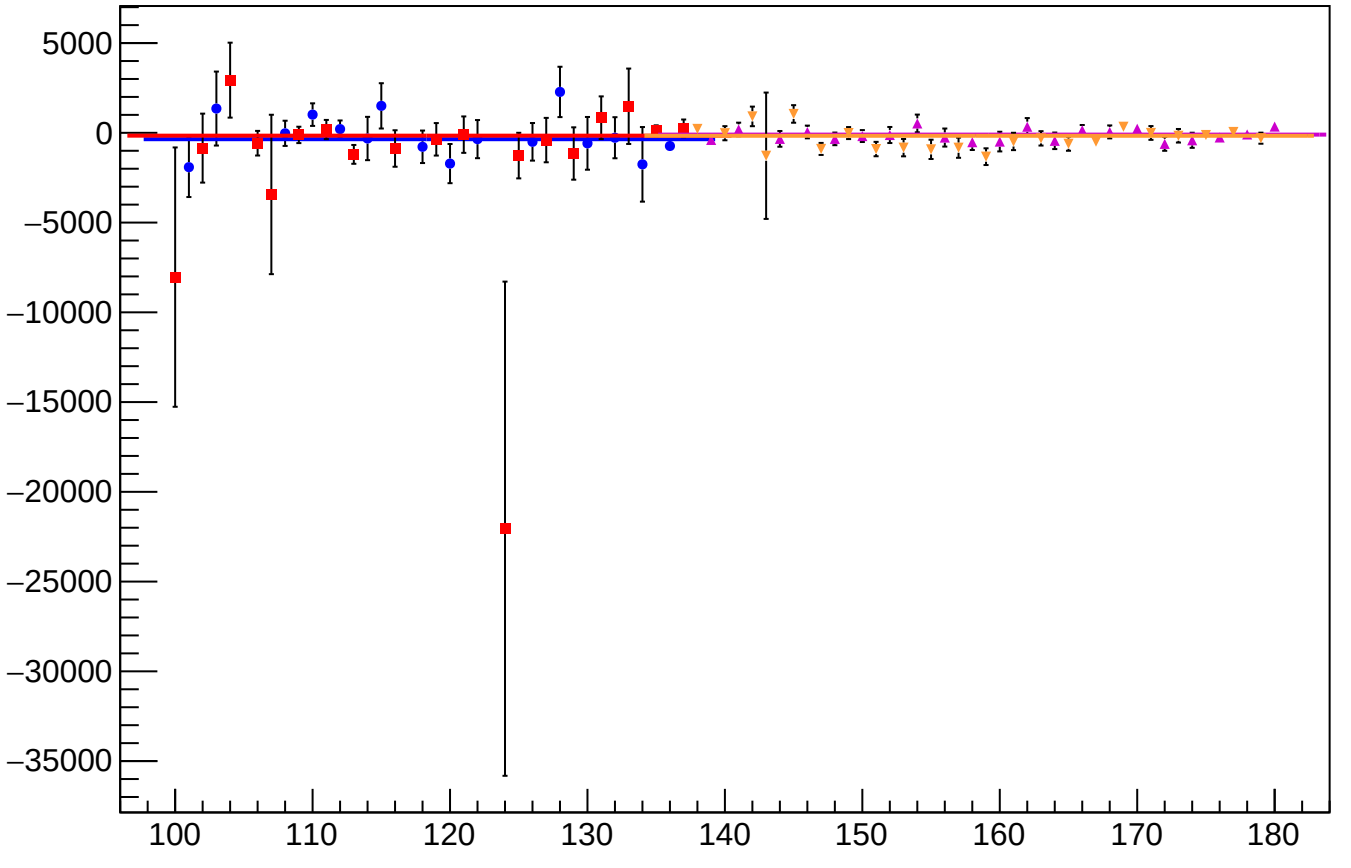
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.353+/-0.215 χ^2/NDF:24326.9/20

+ sign 1257.122+/-0.180 χ^2/NDF: 650359.6/37

All: 1263.668+/-0.128 χ^2/NDF: 890298.0/77

- 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: -164.211+/-67.513 χ^2/NDF:41.7/21

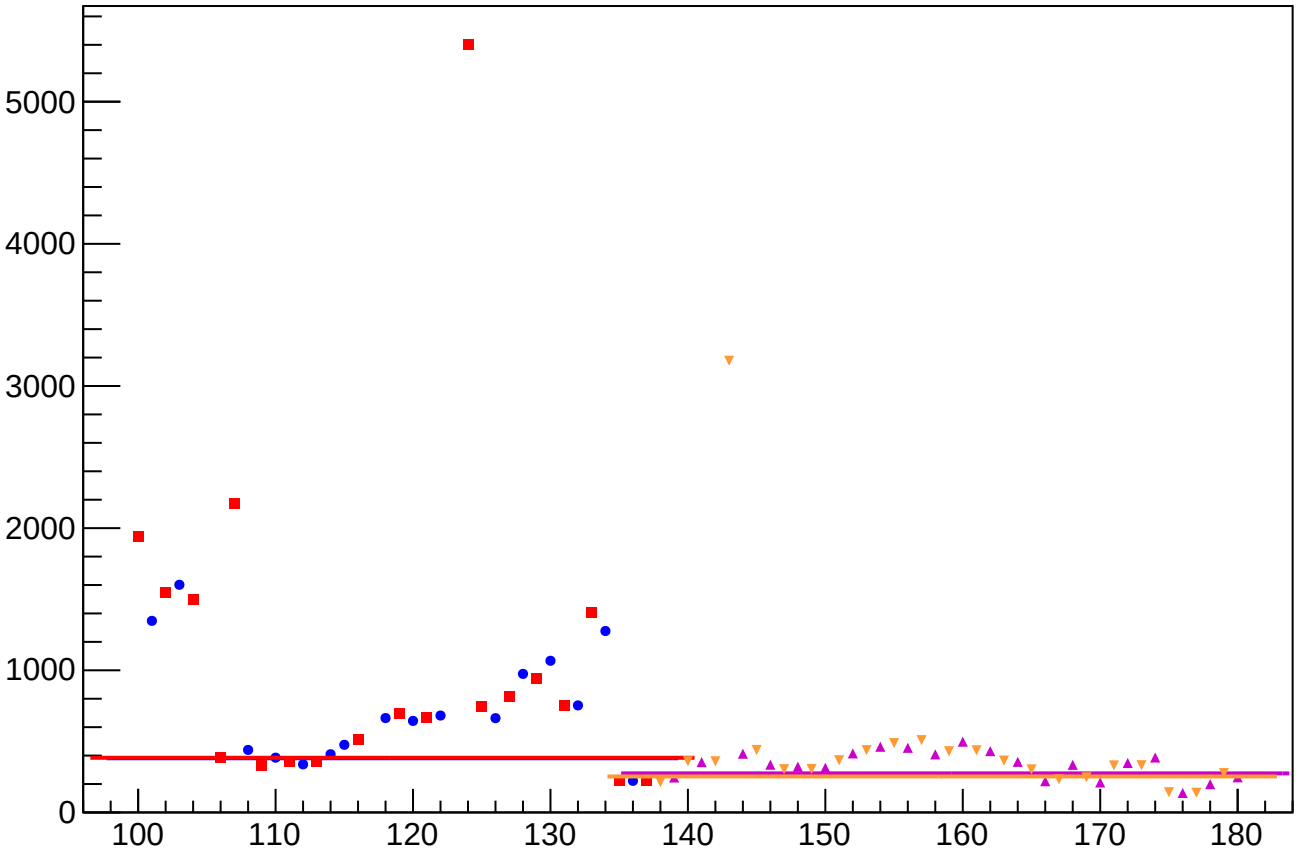
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -99.779+/-70.880 χ^2/NDF:16.2/20

+ sign -190.241+/-62.745 χ^2/NDF: 61.3/37

All: -151.026+/-45.277 χ^2/NDF: 94.2/77

- 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: 253.247+/-0.048 χ^2/NDF:6289956.3/21

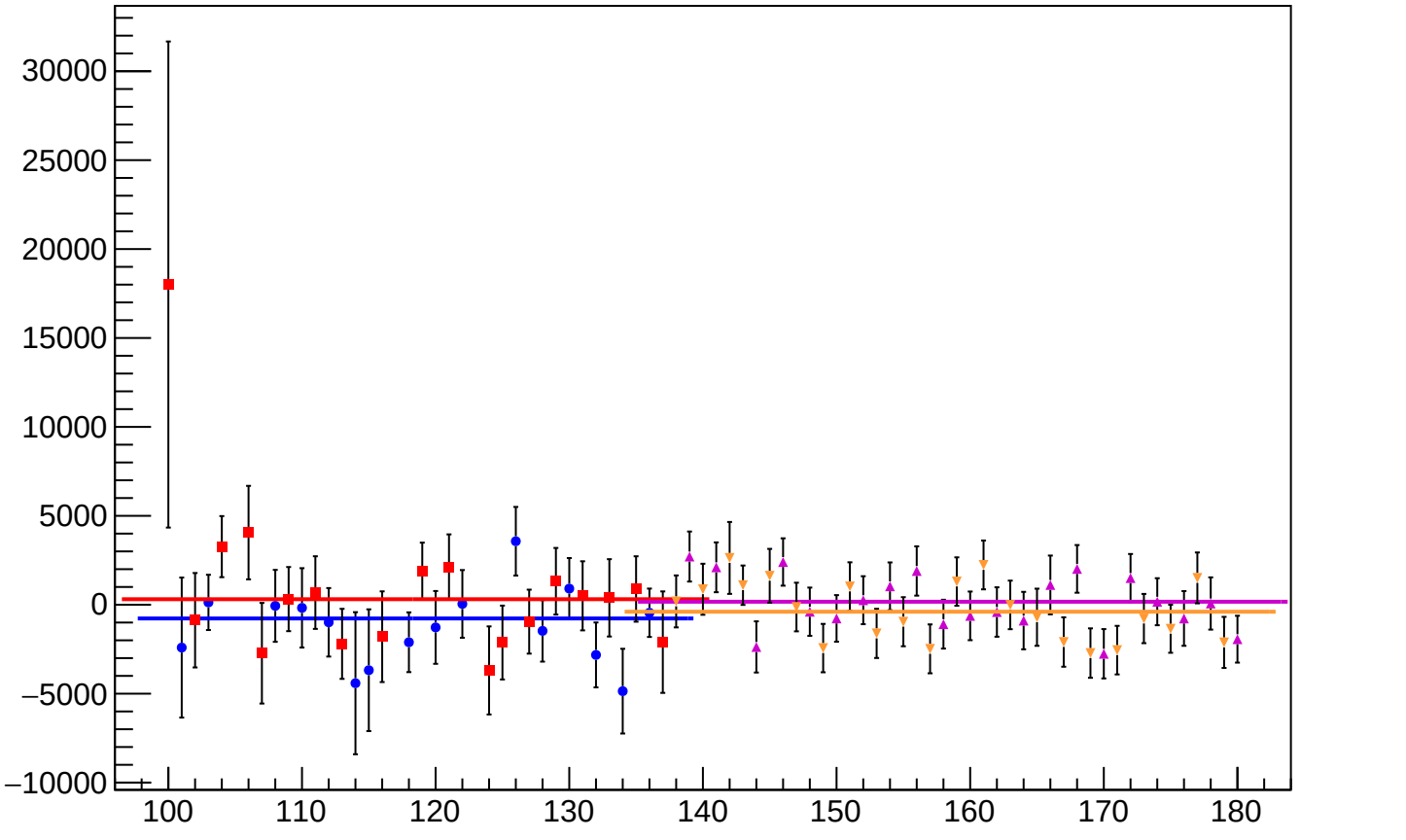
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 274.828+/-0.050 χ^2/NDF:4012127.0/20

+ sign 270.704+/-0.044 χ^2/NDF: 11589113.4/37

All: 280.501+/-0.032 χ^2/NDF: 20976665.8/77

- 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: -391.036+/-298.059 χ^2/NDF:29.4/21

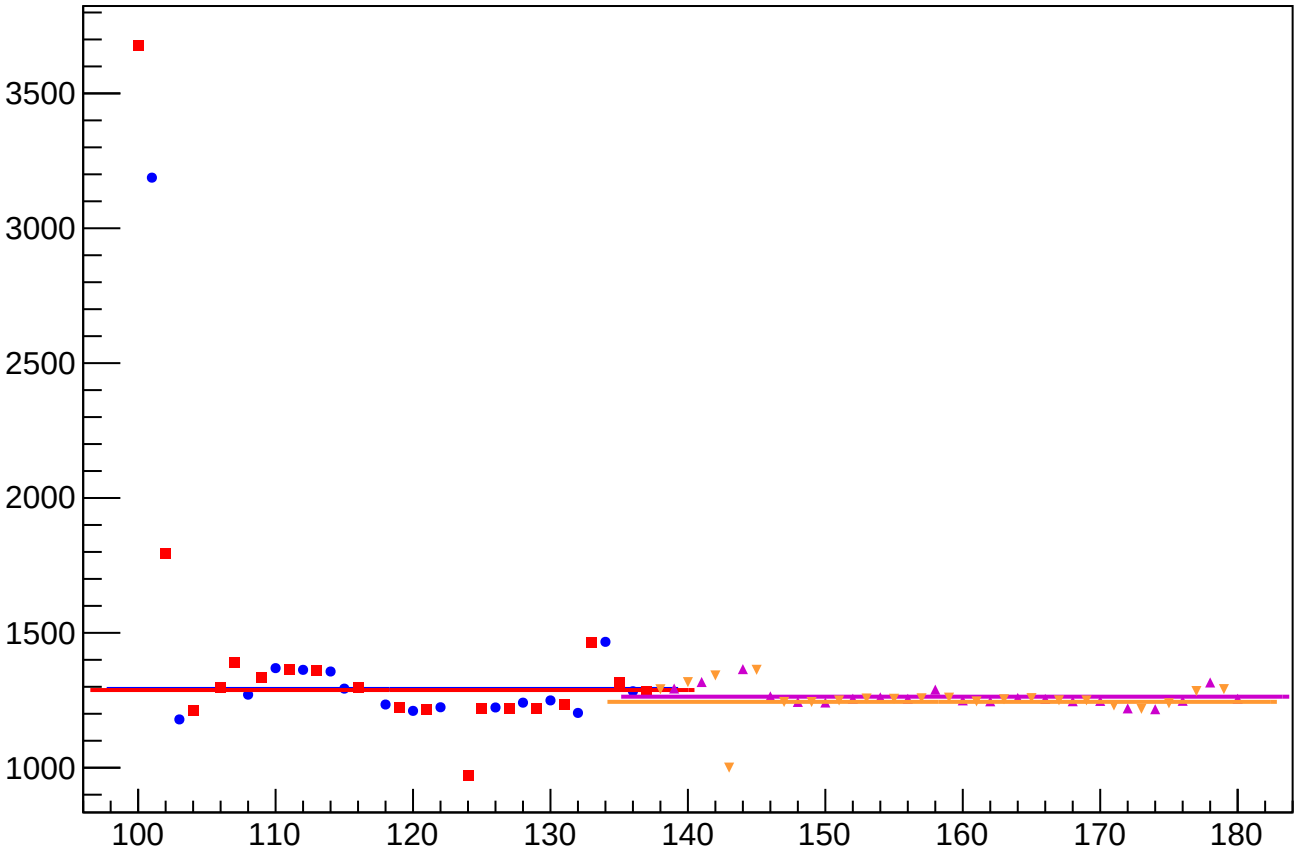
Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: 170.087+/-304.260 χ^2/NDF:26.1/20

+ sign -493.913+/-254.592 χ^2/NDF: 43.4/37

All: -145.657+/-181.003 χ^2/NDF: 91.3/77

- 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: 1244.182+/-0.211 χ^2/NDF:127011.0/21

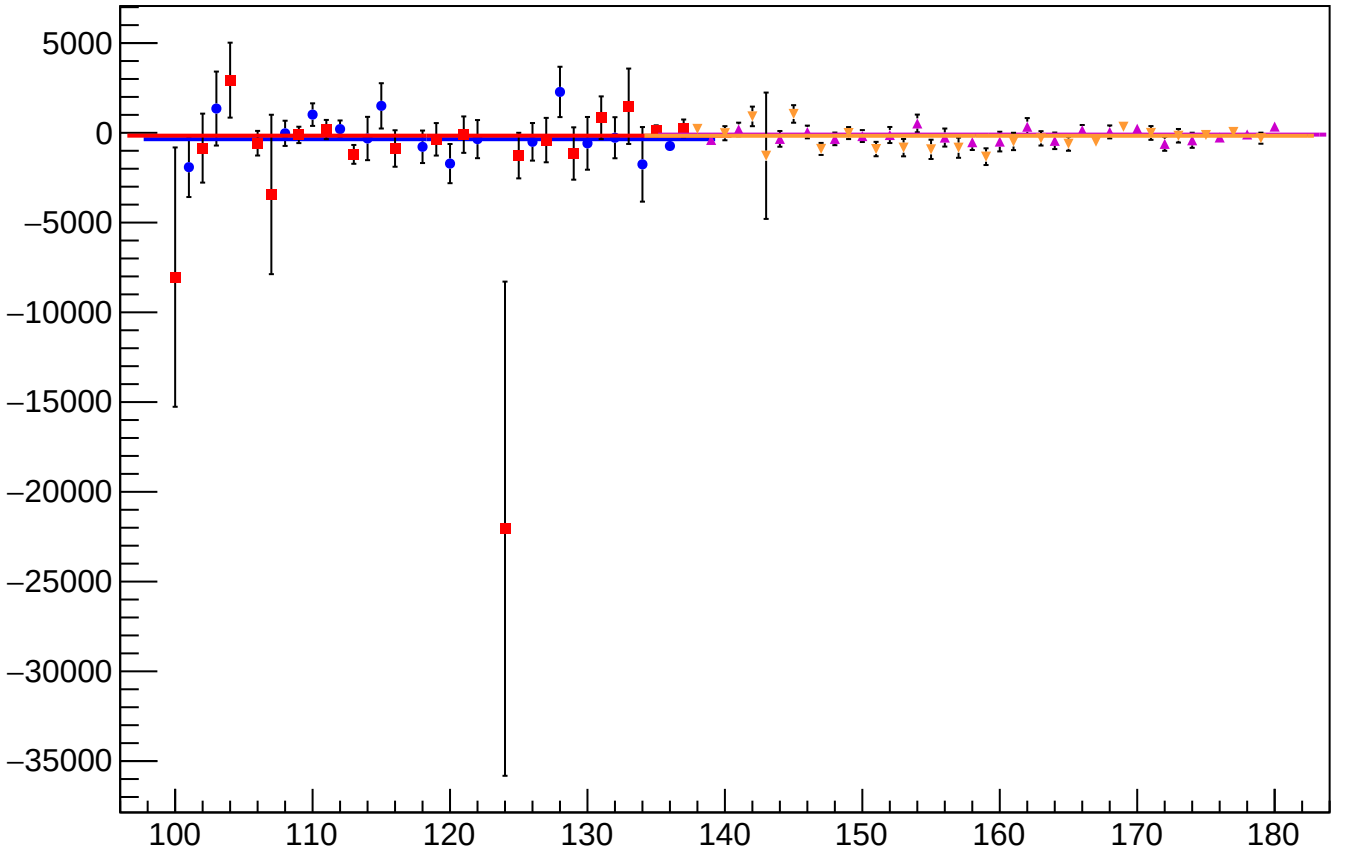
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.353+/-0.215 χ^2/NDF:24327.0/20

\+ sign 1257.122+/-0.180 χ^2/NDF: 650358.7/37

All: 1263.668+/-0.128 χ^2/NDF: 890297.4/77

\- 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: -164.215+/-67.513 χ^2/NDF:41.7/21

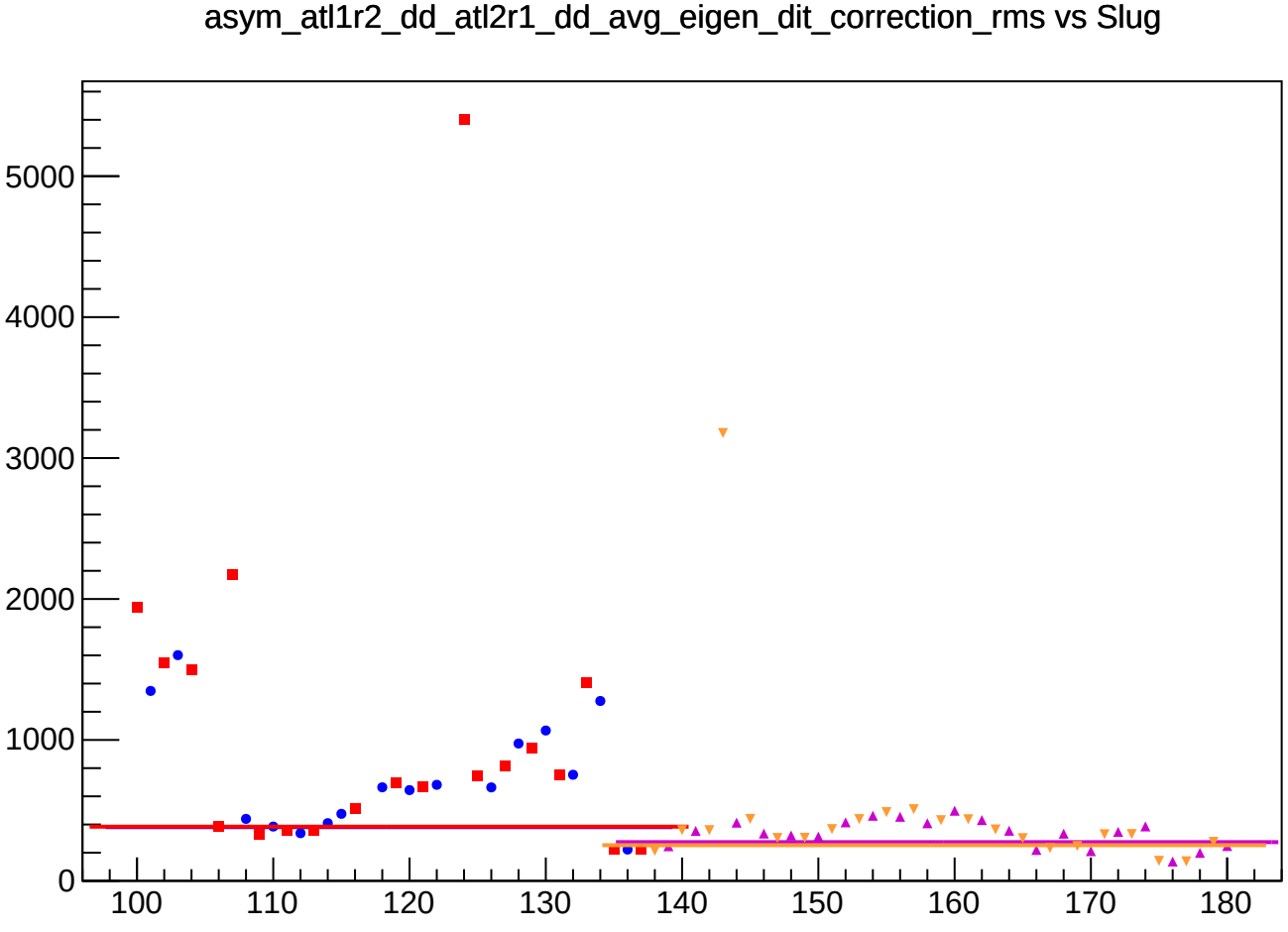
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -99.778+/-70.880 χ^2/NDF:16.2/20

+ sign -190.244+/-62.745 χ^2/NDF: 61.3/37

All: -151.027+/-45.278 χ^2/NDF: 94.2/77

- 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: 253.248+/-0.048 χ^2/NDF:6289859.4/21

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

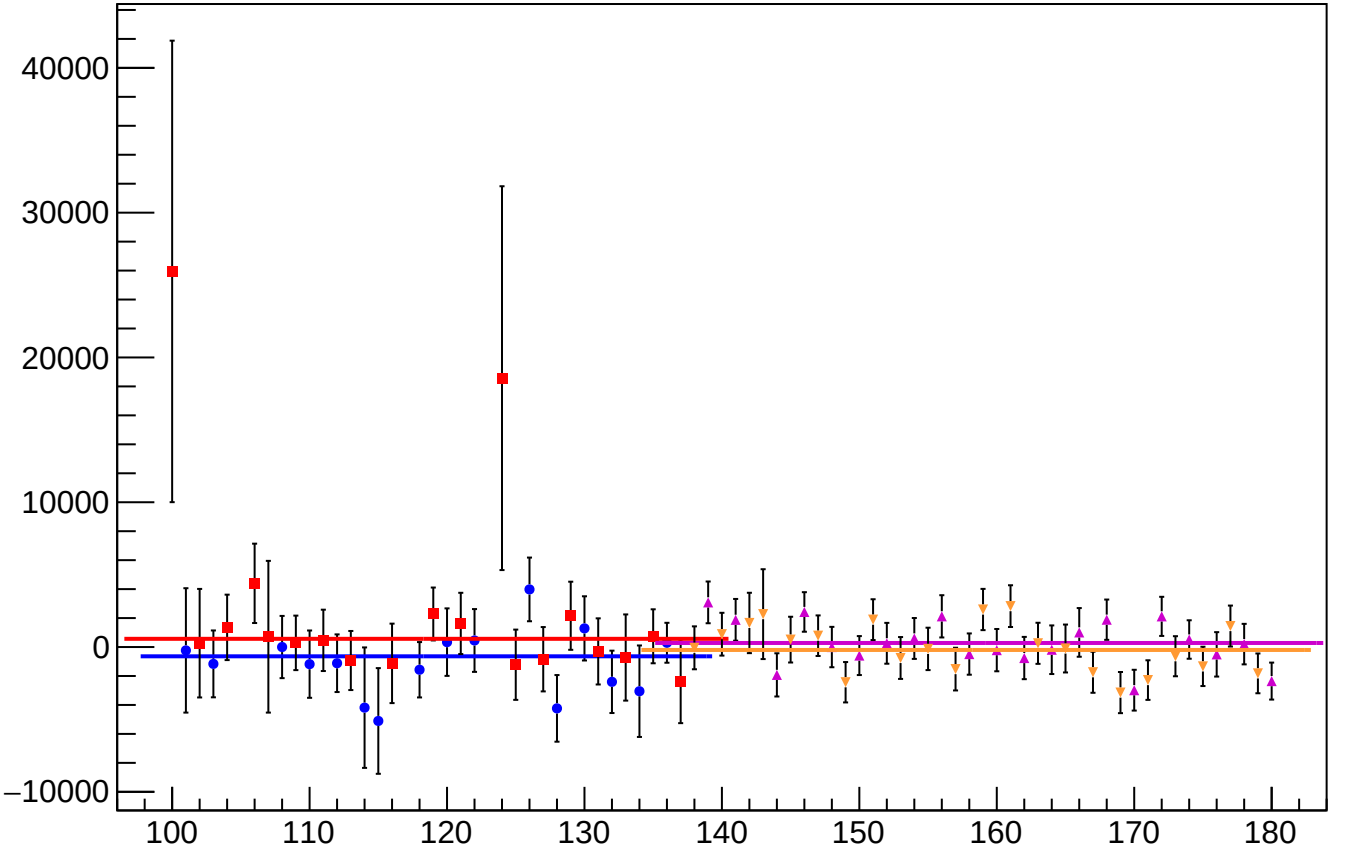
Left In: 274.828+/-0.050 χ^2/NDF:4012088.2/20

+ sign 270.706+/-0.044 χ^2/NDF: 11588931.6/37

All: 280.503+/-0.032 χ^2/NDF: 20976372.3/77

- 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: -202.303+/-315.585 χ^2/NDF:28.1/21

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

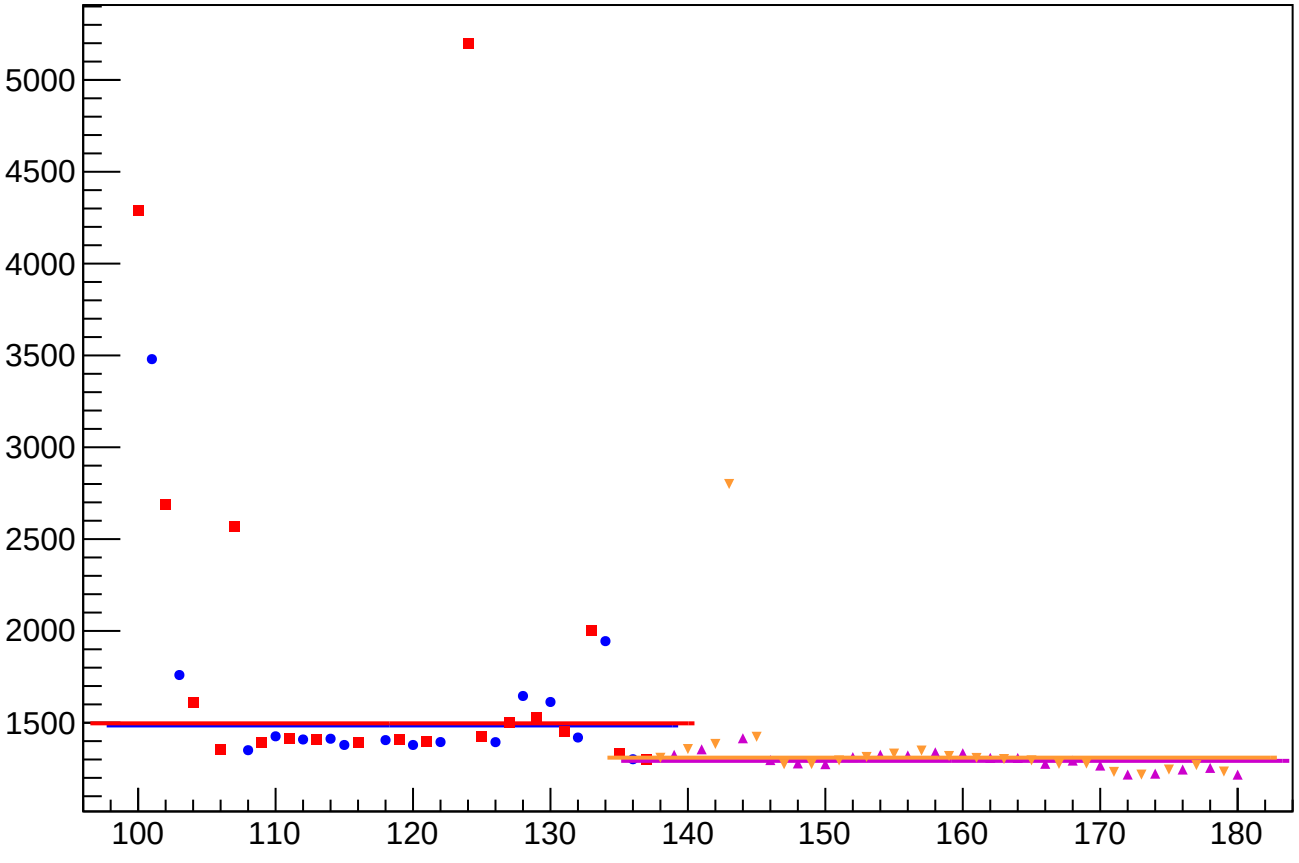
Left In: 280.507+/-311.407 χ^2/NDF:26.0/20

+ sign -306.760+/-275.445 χ^2/NDF: 41.0/37

All: 23.124+/-193.872 χ^2/NDF: 81.4/77

- 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: 1310.023+/-0.223 χ^2/NDF:510839.7/21

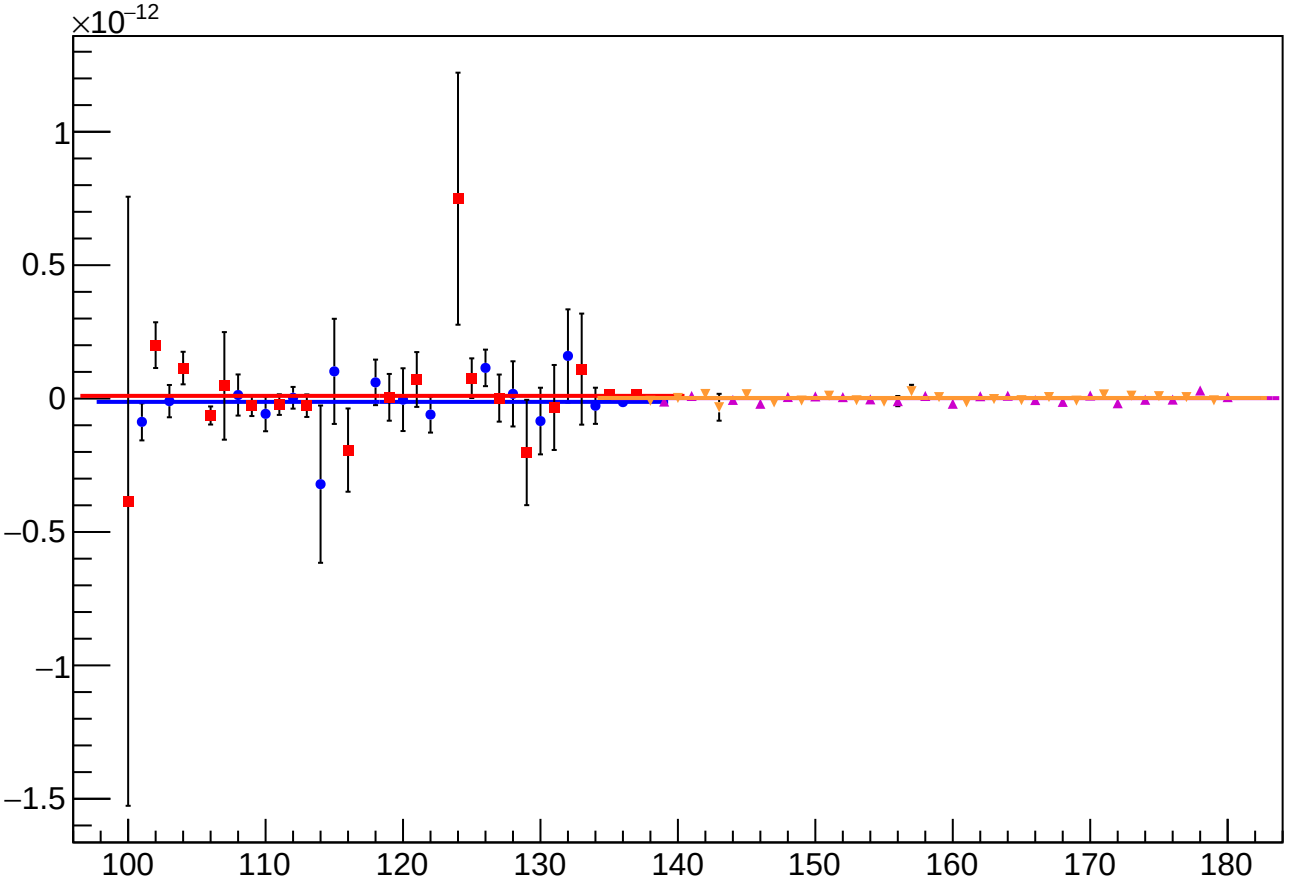
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.600+/-0.220 χ^2/NDF:48260.6/20

+ sign 1351.791+/-0.195 χ^2/NDF: 1242387.5/37

All: 1345.824+/-0.137 χ^2/NDF: 2115341.2/77

- 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:19.8/21

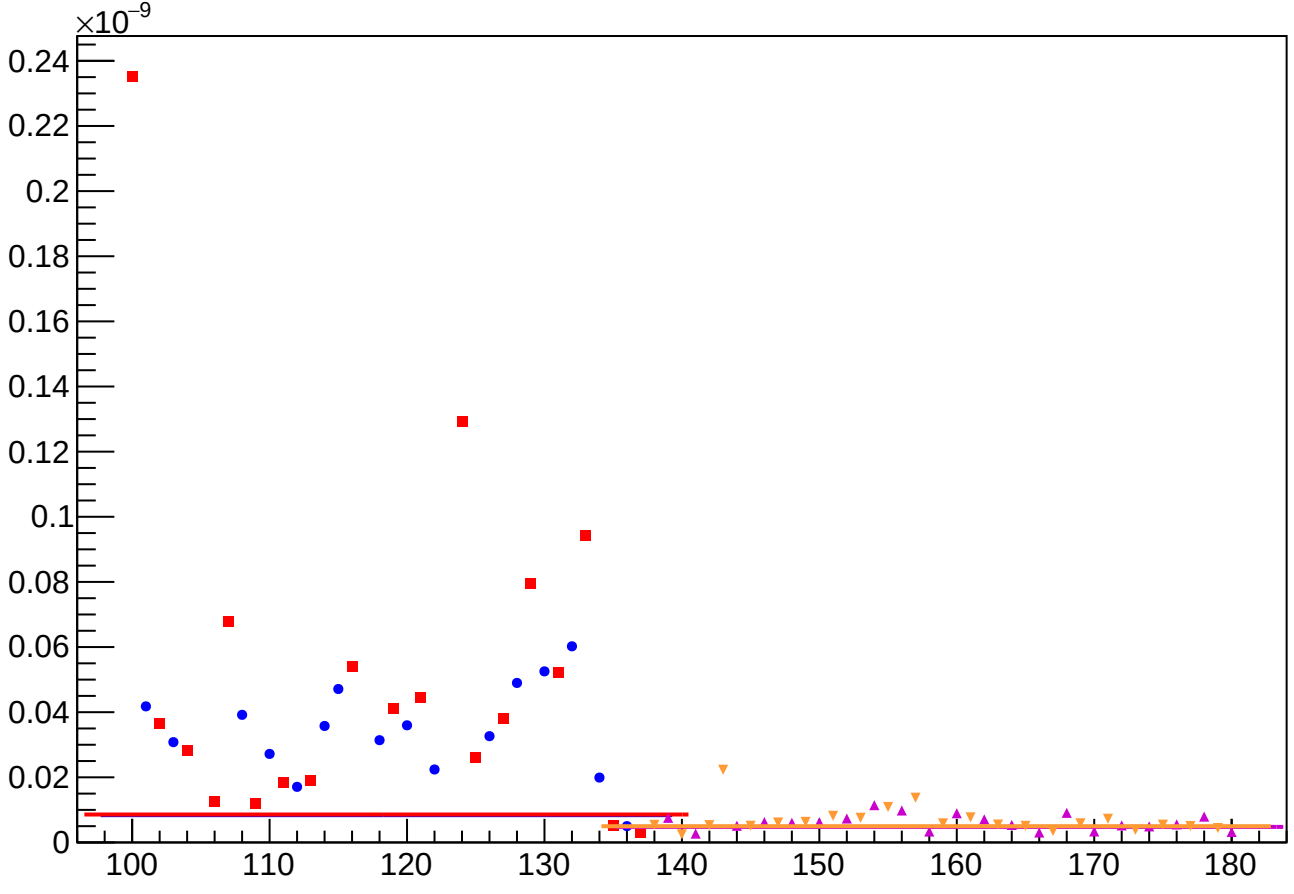
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/37

All: 0.000+/-0.000 χ^2/NDF: 81.6/77

- 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:1893844.4/21

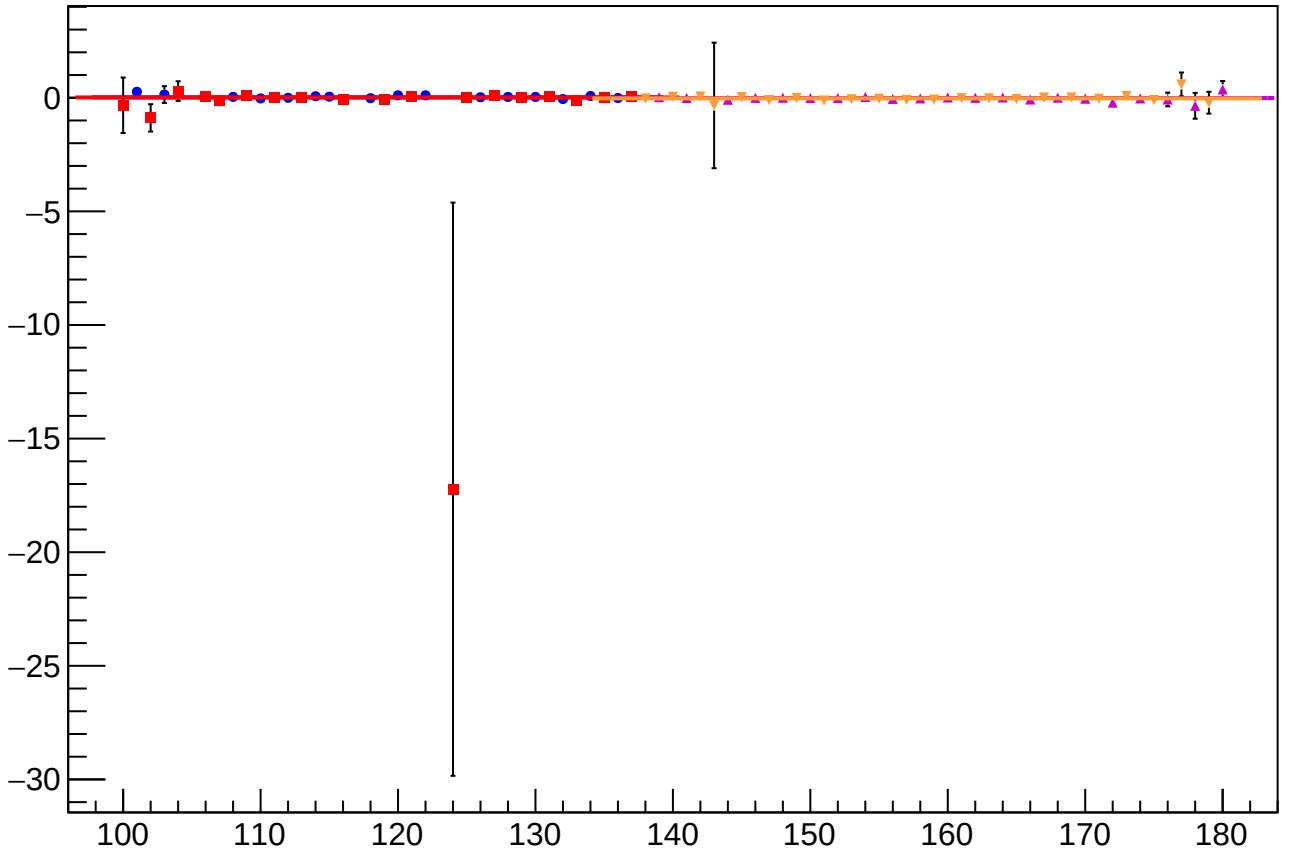
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884560.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 5341448.4/37

All: 0.000+/-0.000 χ^2/NDF: 11009111.9/77

- 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: -0.027+/-0.010 χ^2/NDF:25.3/21

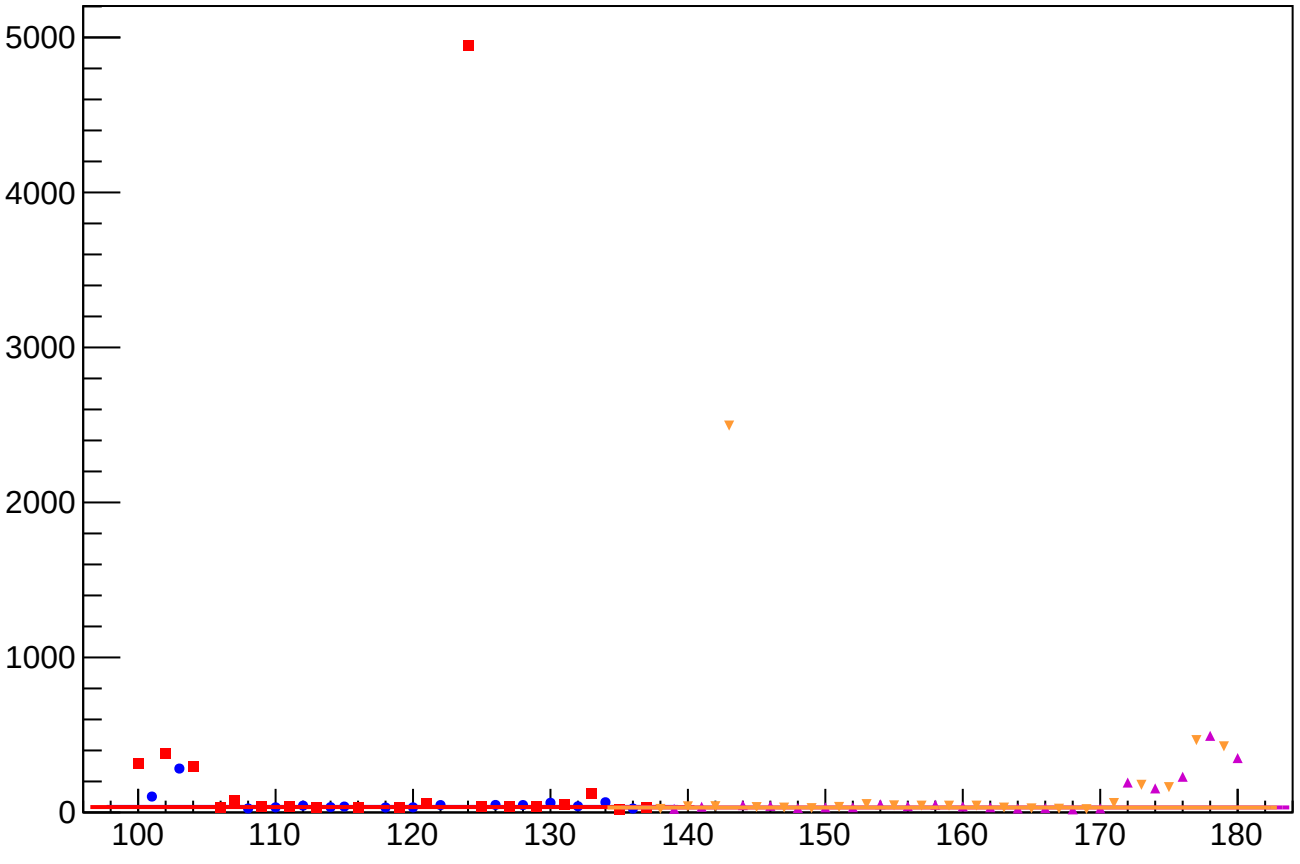
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 73.6/77

- 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: 31.974+/-0.007 χ^2/NDF:8032902.7/21

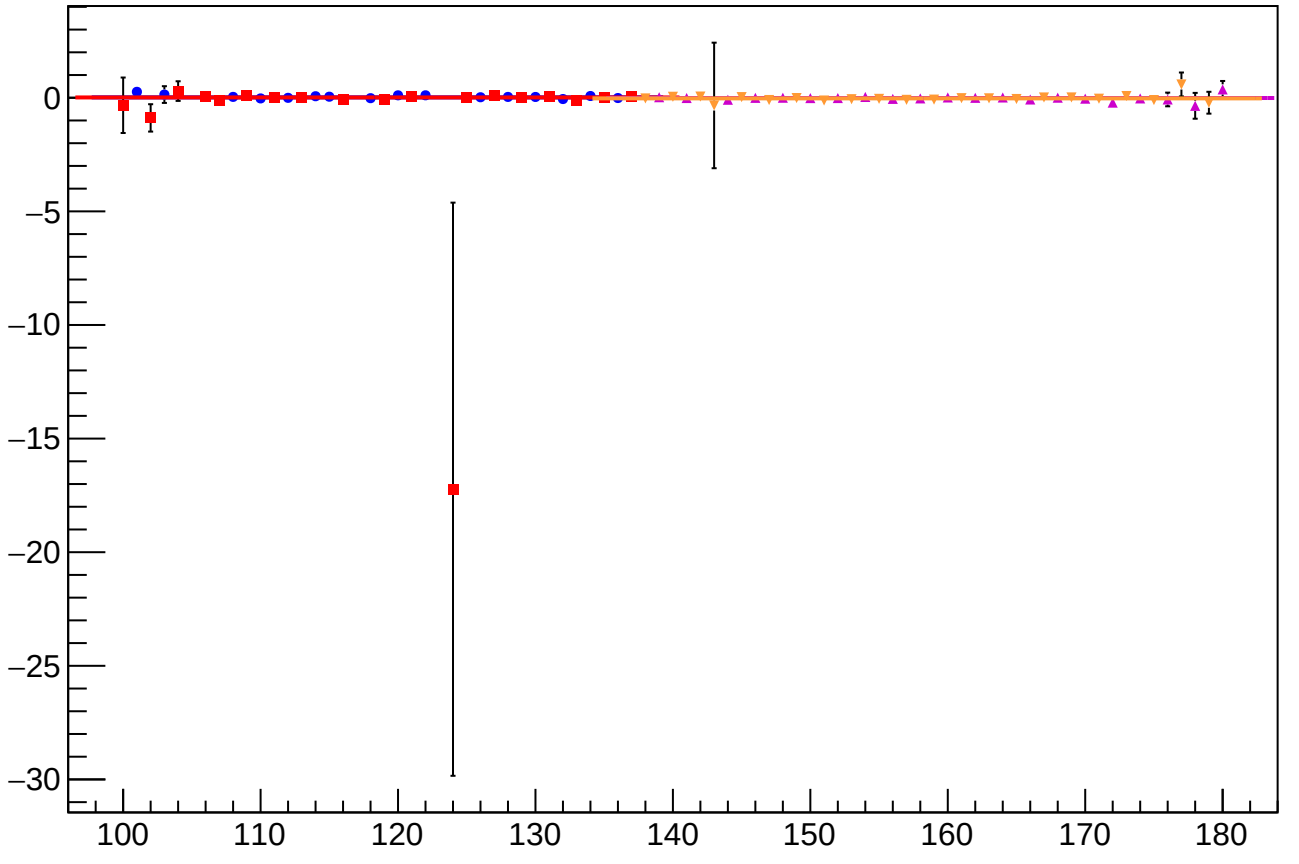
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

\+ sign 33.013+/-0.006 χ^2/NDF: 10383887.1/37

All: 33.019+/-0.004 χ^2/NDF: 20756397.2/77

\- 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: -0.027+/-0.010 χ^2/NDF:25.3/21

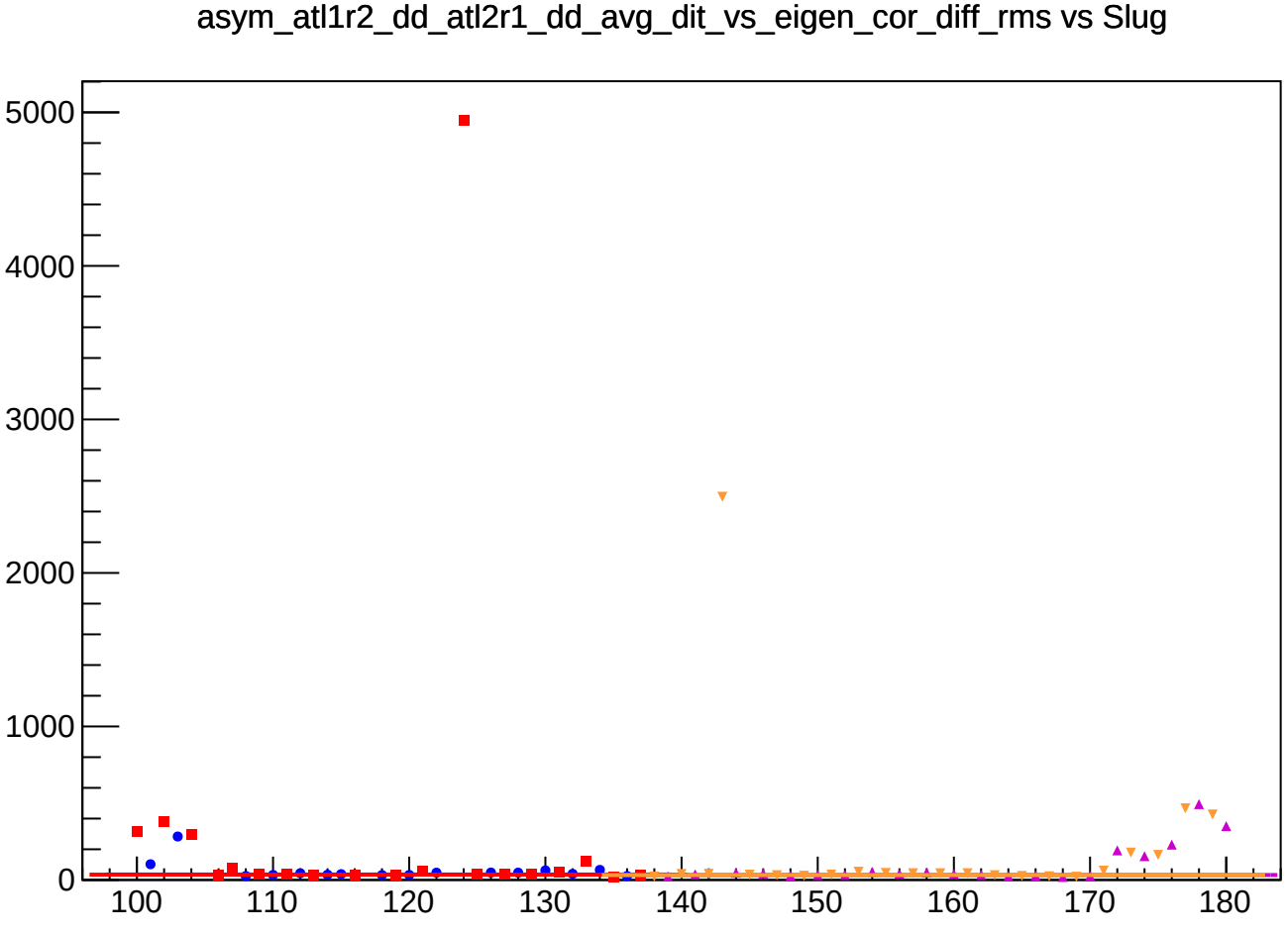
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 73.6/77

- 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: 31.974+/-0.007 χ^2/NDF:8032902.7/21

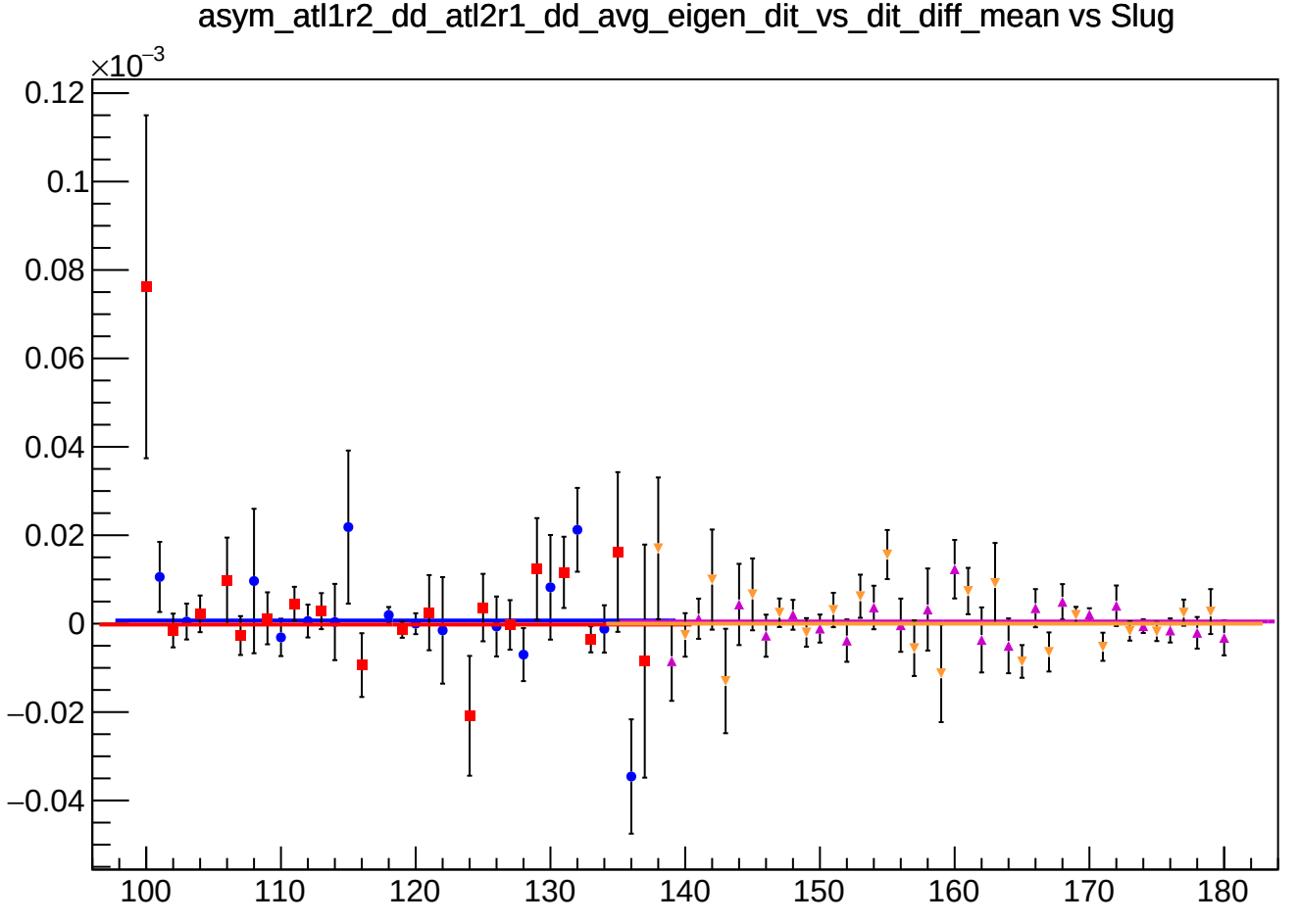
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

+ sign 33.013+/-0.006 χ^2/NDF: 10383887.1/37

All: 33.019+/-0.004 χ^2/NDF: 20756397.2/77

- 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:33.5/21

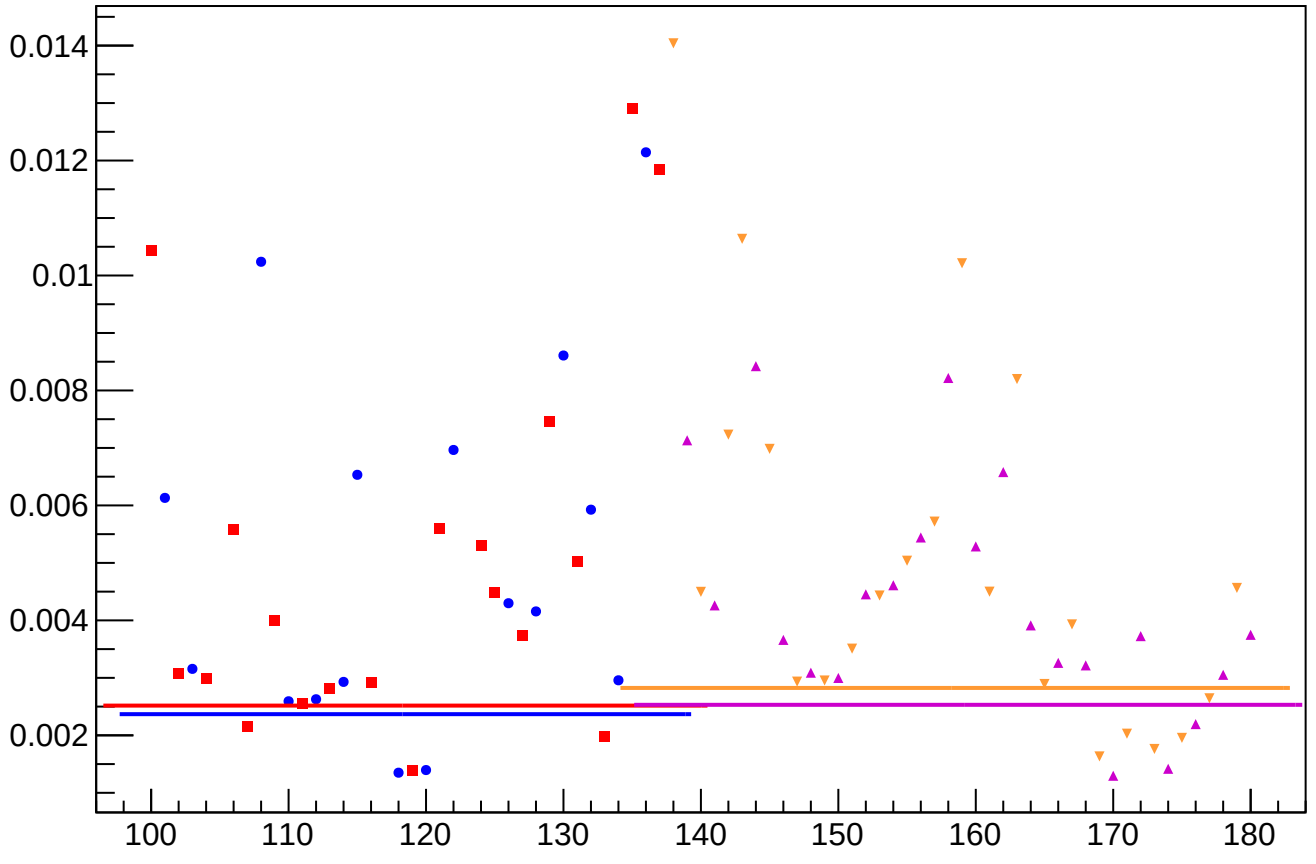
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 52.9/37

All: 0.000+/-0.000 χ^2/NDF: 84.9/77

- sign 0.000+/-0.000 χ^2/NDF: 32.0/39



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7872903.5/21

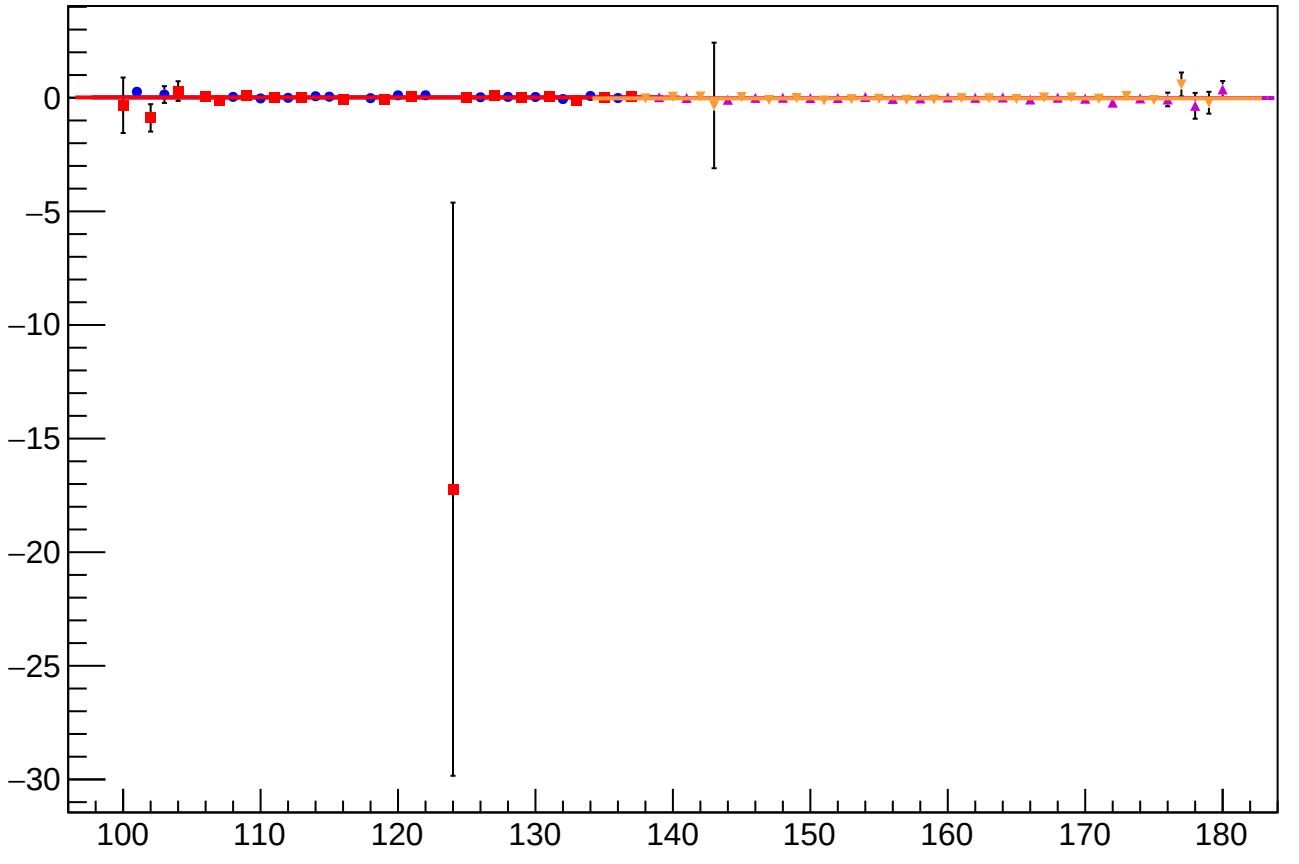
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.003+/-0.000 χ^2/NDF:7812124.0/20

+ sign 0.003+/-0.000 χ^2/NDF: 12819185.6/37

All: 0.003+/-0.000 χ^2/NDF: 24081159.5/77

- sign 0.003+/-0.000 χ^2/NDF: 11209802.8/39



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

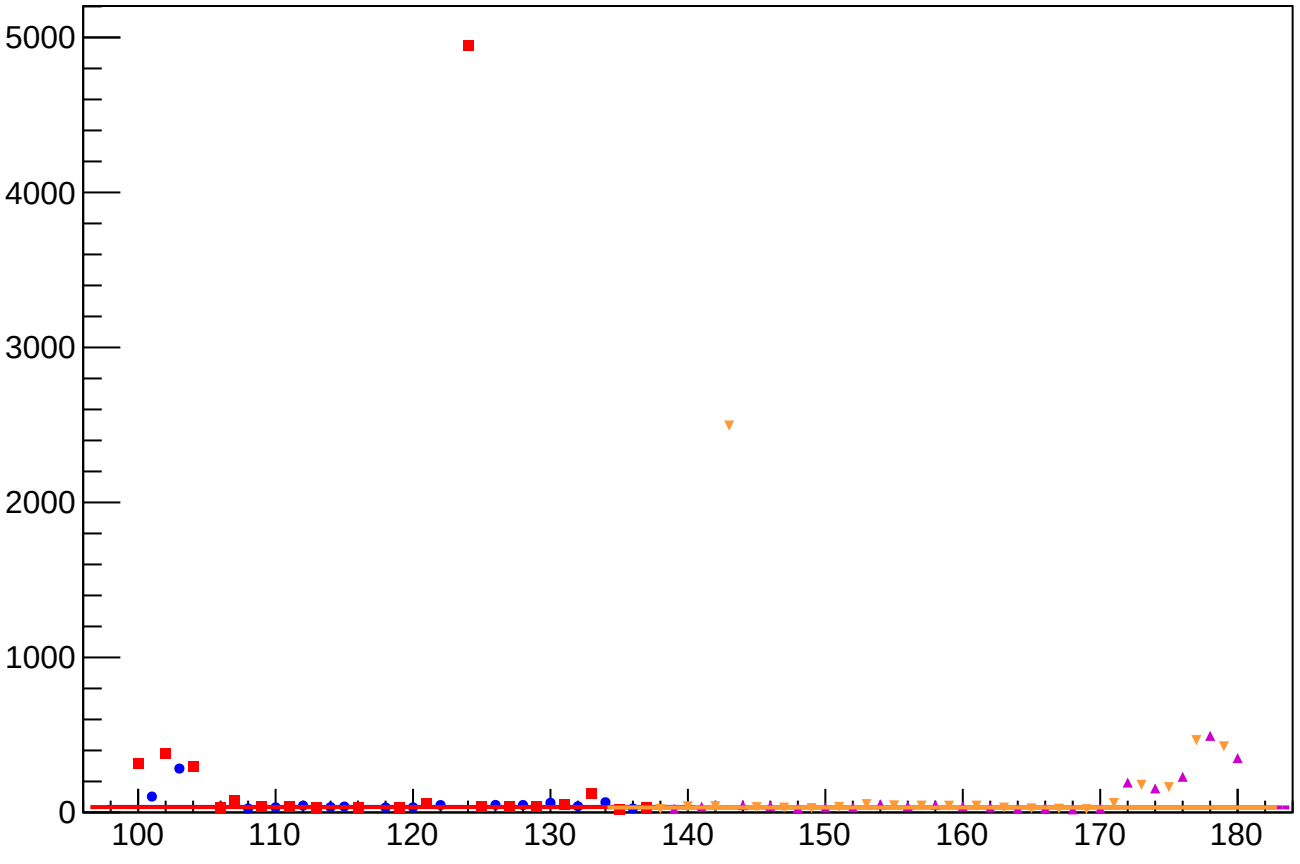
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 73.6/77

- 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: 31.974+/-0.007 χ^2/NDF:8033157.1/21

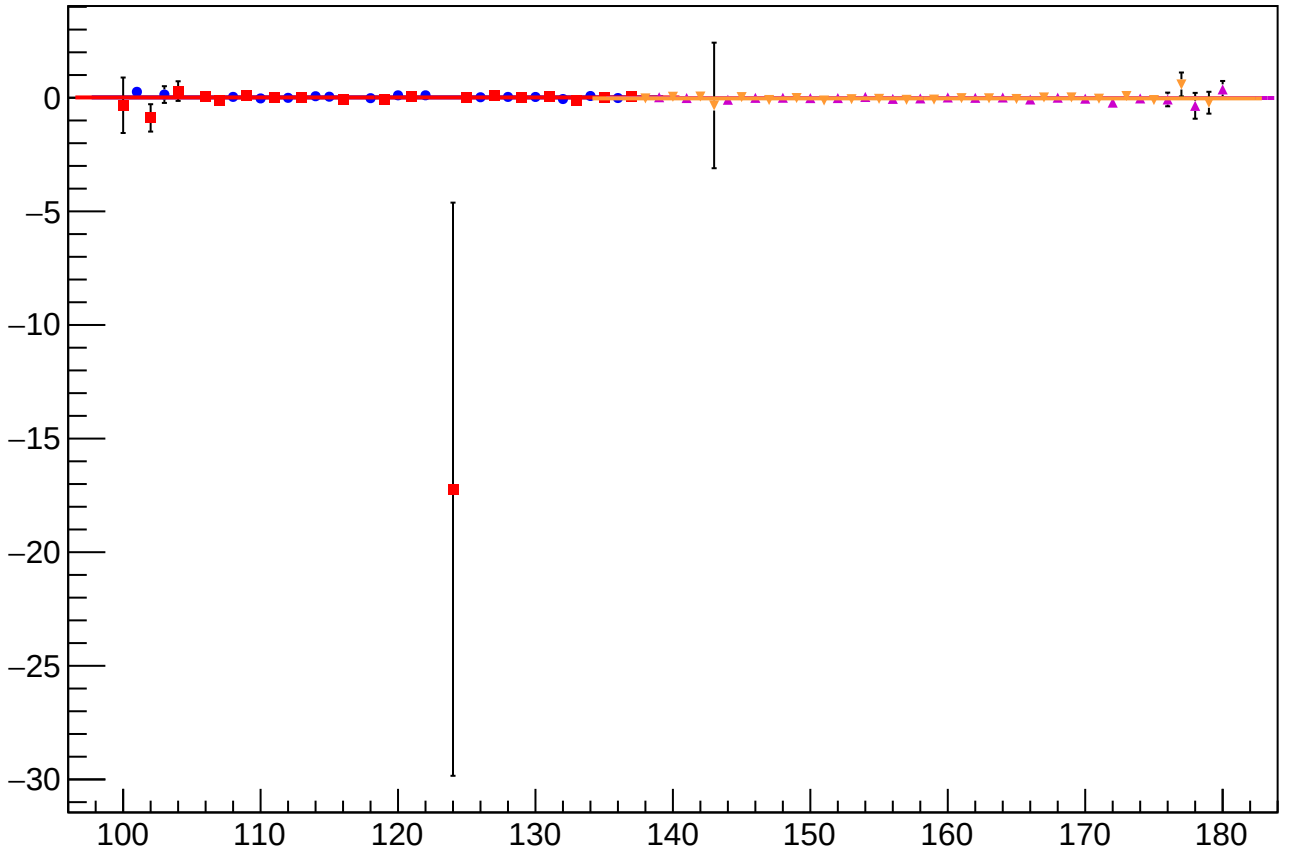
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

+ sign 33.013+/-0.006 χ^2/NDF: 10383940.6/37

All: 33.018+/-0.004 χ^2/NDF: 20756951.0/77

- 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: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

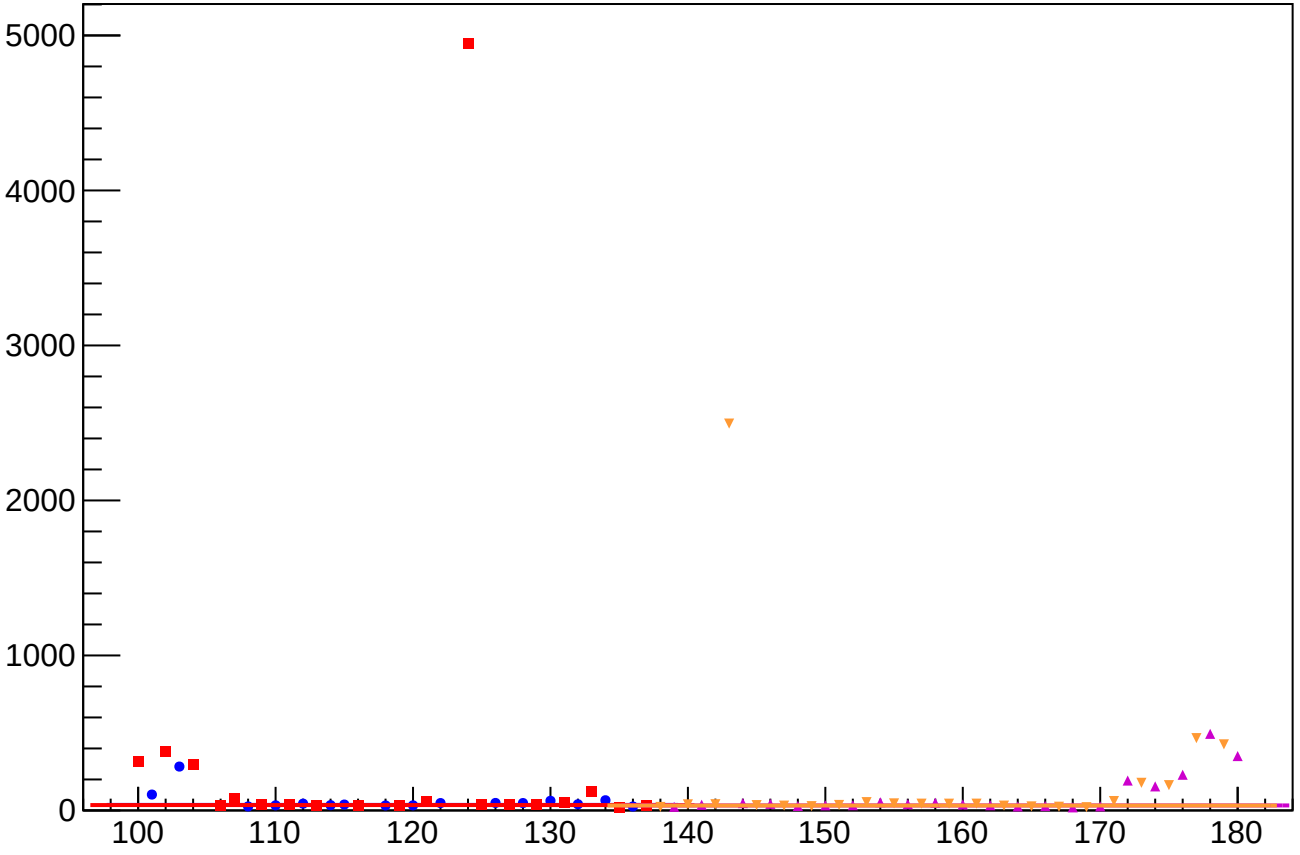
Left In: -0.011+/-0.010 χ^2/NDF:12.1/20

+ sign -0.015+/-0.008 χ^2/NDF: 42.7/37

All: -0.010+/-0.006 χ^2/NDF: 73.6/77

- sign -0.005+/-0.008 χ^2/NDF: 30.0/39

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

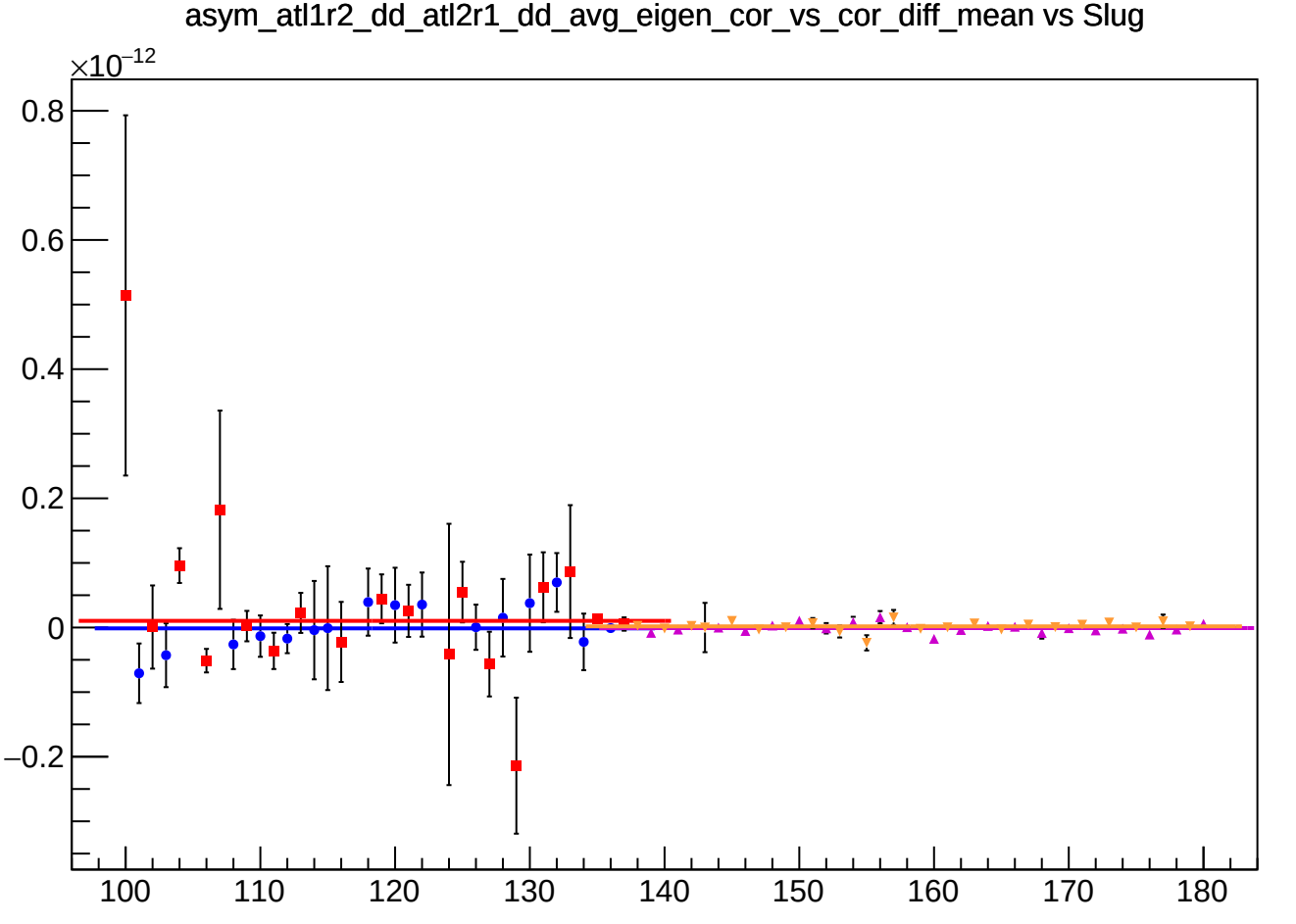
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

\+ sign 33.013+/-0.006 χ^2/NDF: 10383940.6/37

All: 33.018+/-0.004 χ^2/NDF: 20756951.0/77

\- 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:15.5/21

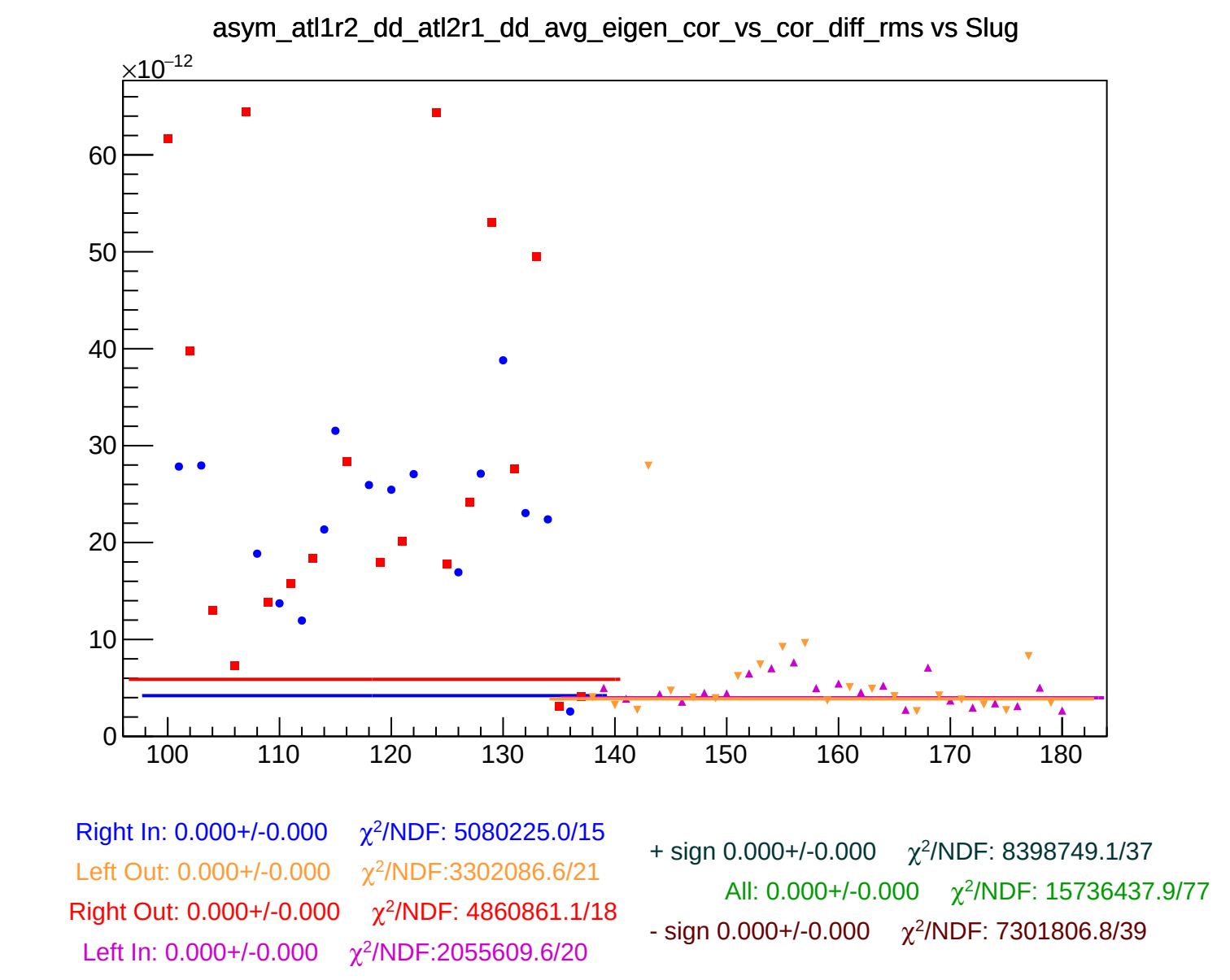
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

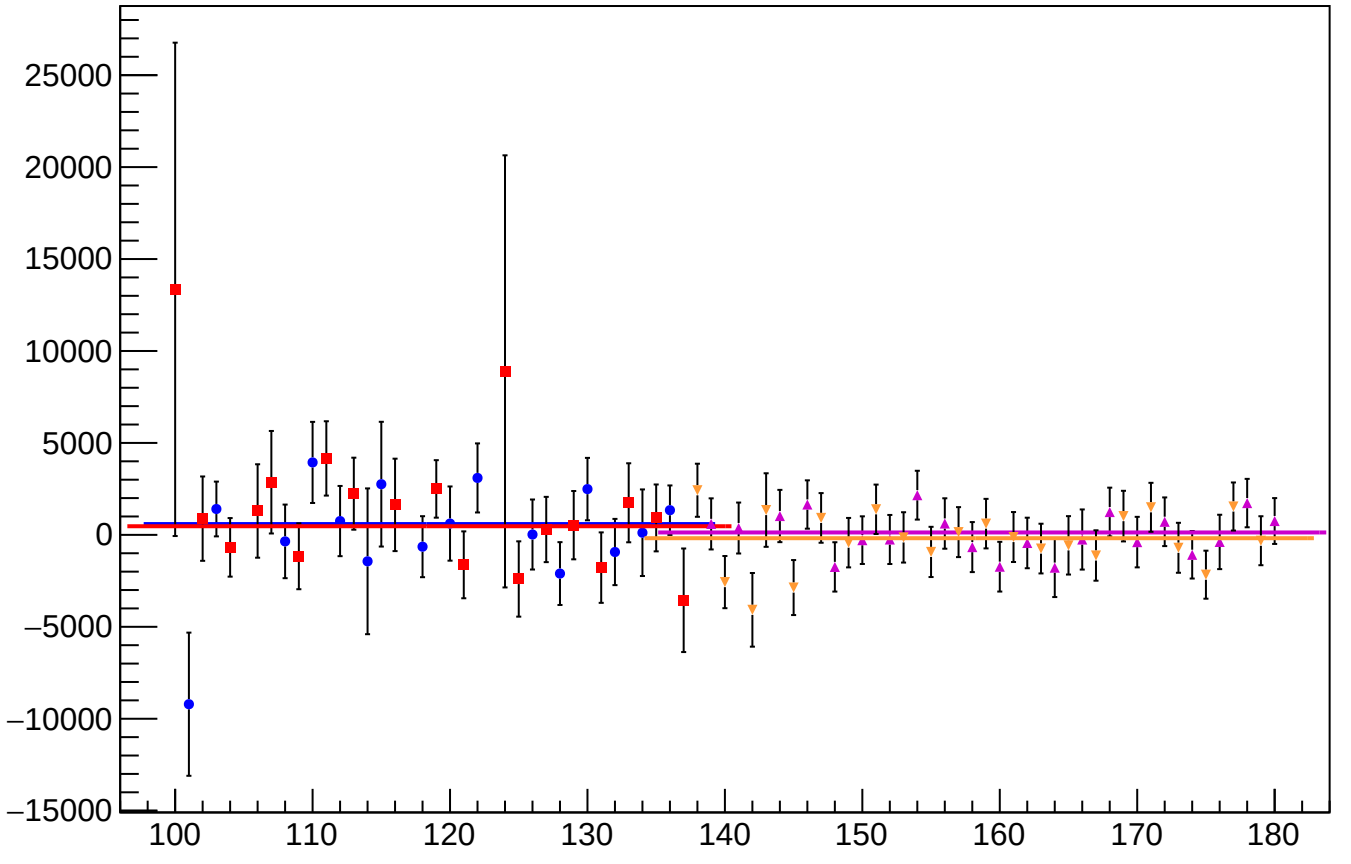
Left In: -0.000+/-0.000 χ^2/NDF:27.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 24.8/37

All: 0.000+/-0.000 χ^2/NDF: 99.7/77

- sign -0.000+/-0.000 χ^2/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:3302086.6/21
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: 8398749.1/37
All: 0.000+/-0.000 χ²/NDF: 15736437.9/77
- sign 0.000+/-0.000 χ²/NDF: 7301806.8/39



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.648+/-299.752 χ^2/NDF:23.7/21

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

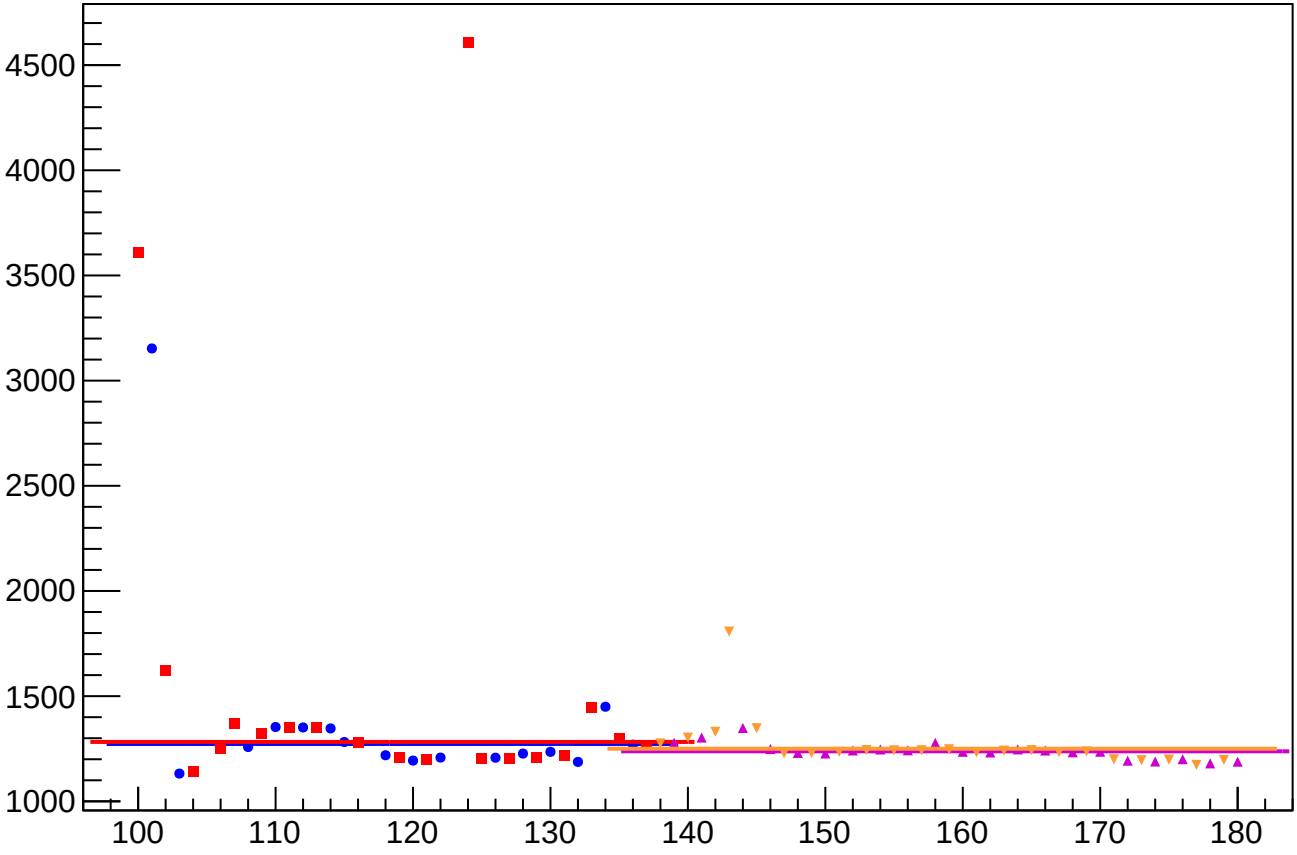
Left In: 130.678+/-298.110 χ^2/NDF:14.1/20

\+ sign 32.423+/-254.608 χ^2/NDF: 42.6/37

All: 129.053+/-179.578 χ^2/NDF: 74.3/77

\- 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: 1250.141+/-0.212 χ^2/NDF:191762.2/21

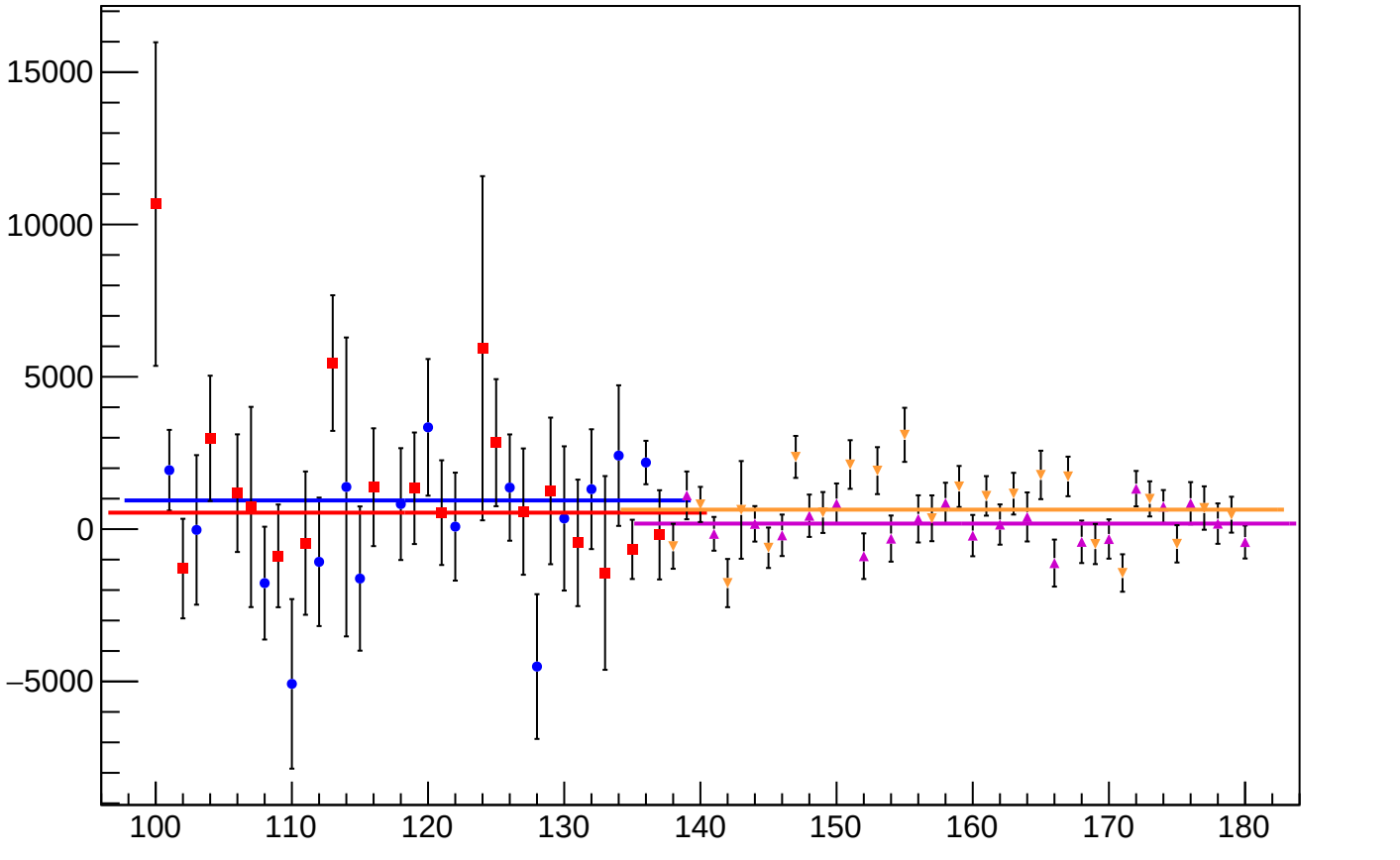
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1256.453+/-0.180 χ^2/NDF: 714244.8/37

All: 1253.269+/-0.127 χ^2/NDF: 1083318.7/77

- 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: 639.461+/-147.684 χ^2/NDF:61.3/21

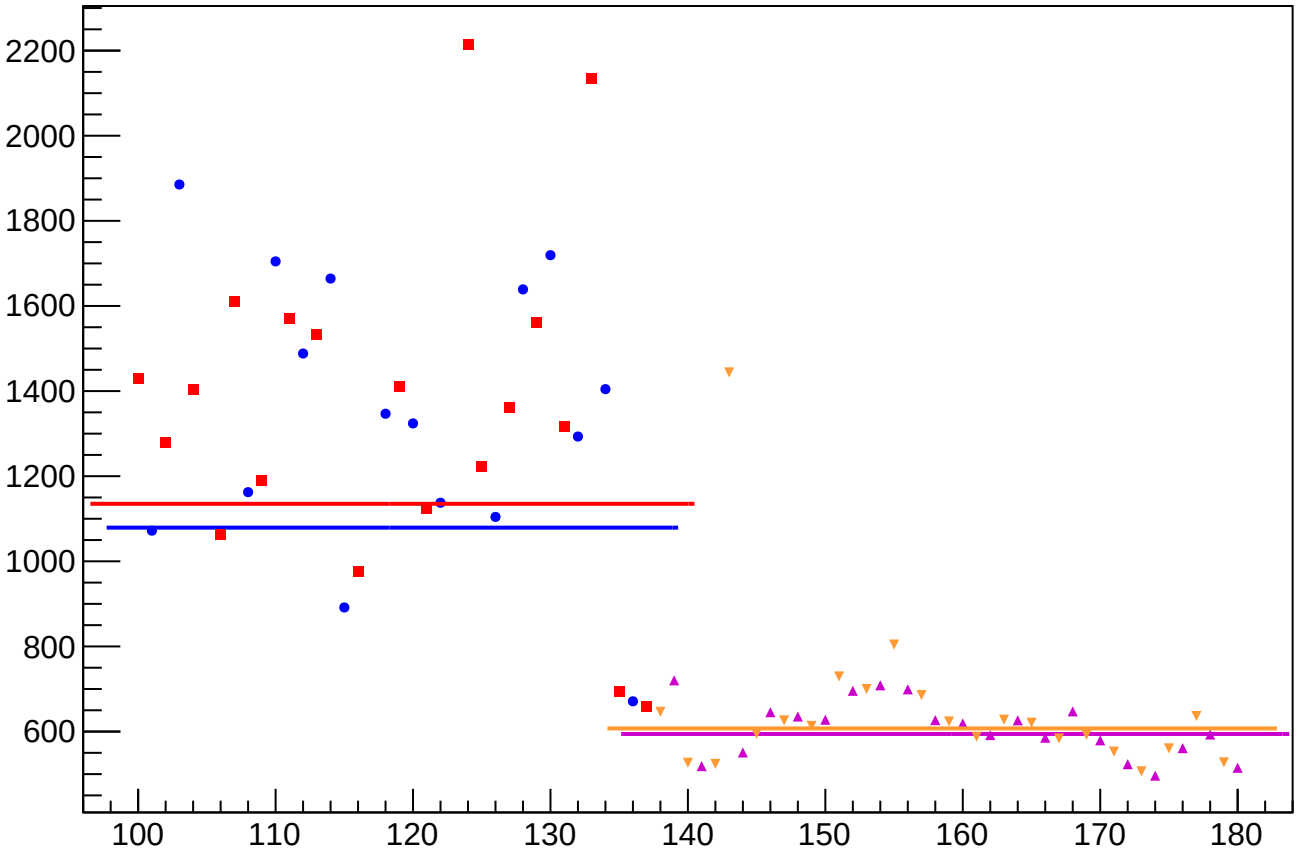
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 181.815+/-144.242 χ^2/NDF:18.4/20

\+ sign 671.916+/-139.531 χ^2/NDF: 81.7/37

All: 440.219+/-97.779 χ^2/NDF: 123.3/77

\- 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: 607.354+/-0.104 χ^2/NDF:947145.7/21

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

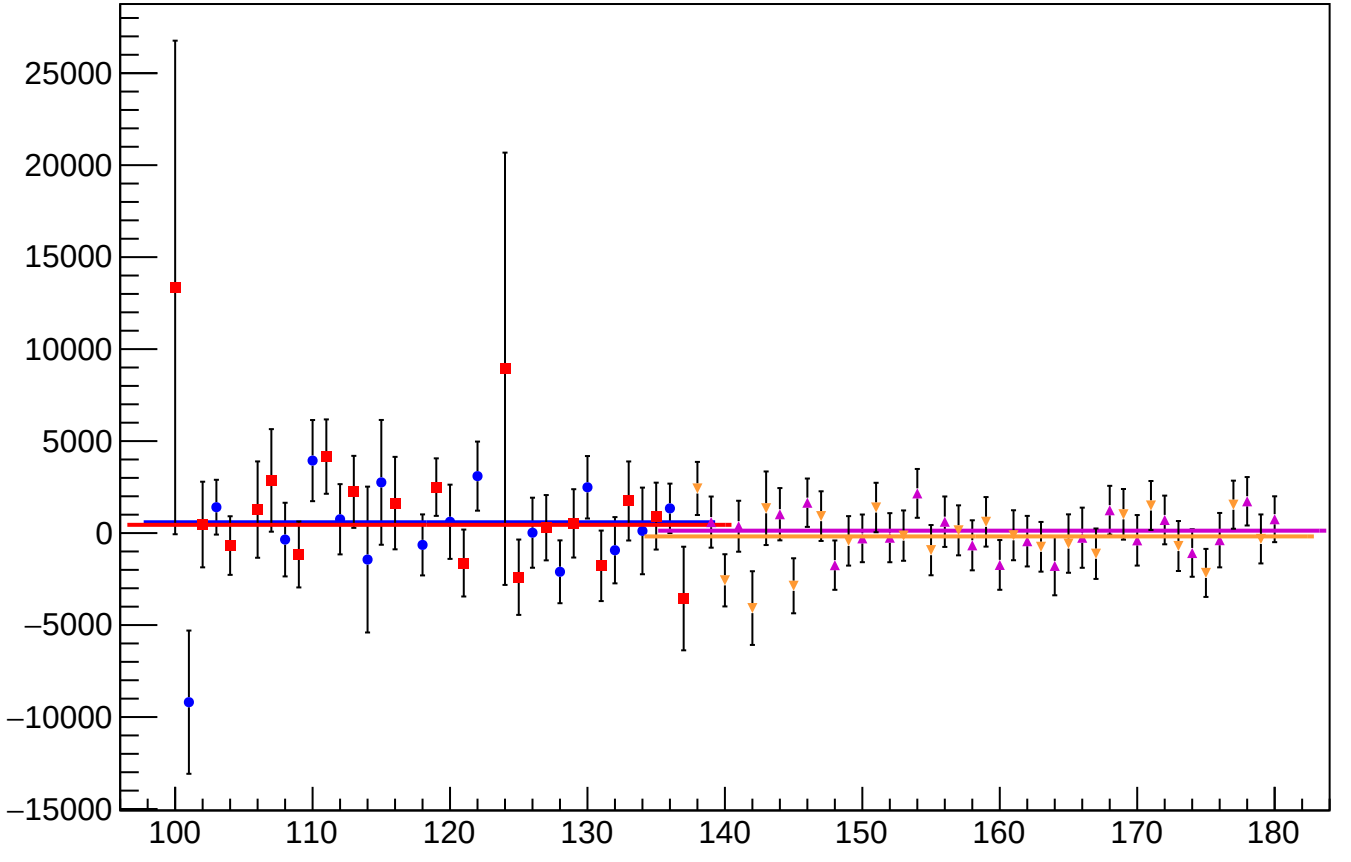
Left In: 594.333+/-0.102 χ^2/NDF:409041.5/20

+ sign 658.004+/-0.099 χ^2/NDF: 4620524.0/37

All: 652.320+/-0.069 χ^2/NDF: 9058661.3/77

- sign 646.835+/-0.097 χ^2/NDF: 4431615.1/39

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

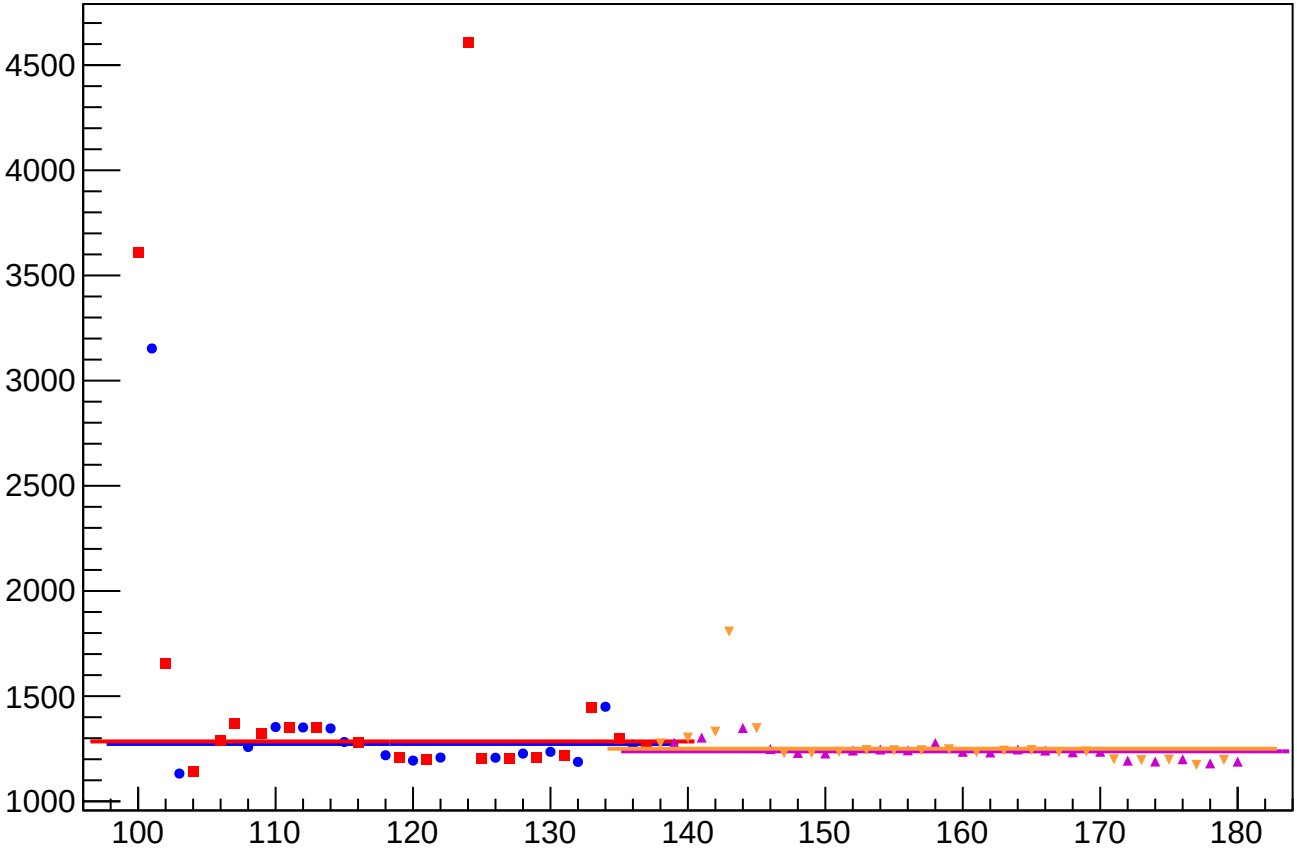
Left In: 130.707+/-298.110 χ^2/NDF:14.1/20

\+ sign 32.488+/-254.608 χ^2/NDF: 42.6/37

All: 126.066+/-179.620 χ^2/NDF: 74.1/77

\- 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: 1250.141+/-0.212 χ^2/NDF:191762.2/21

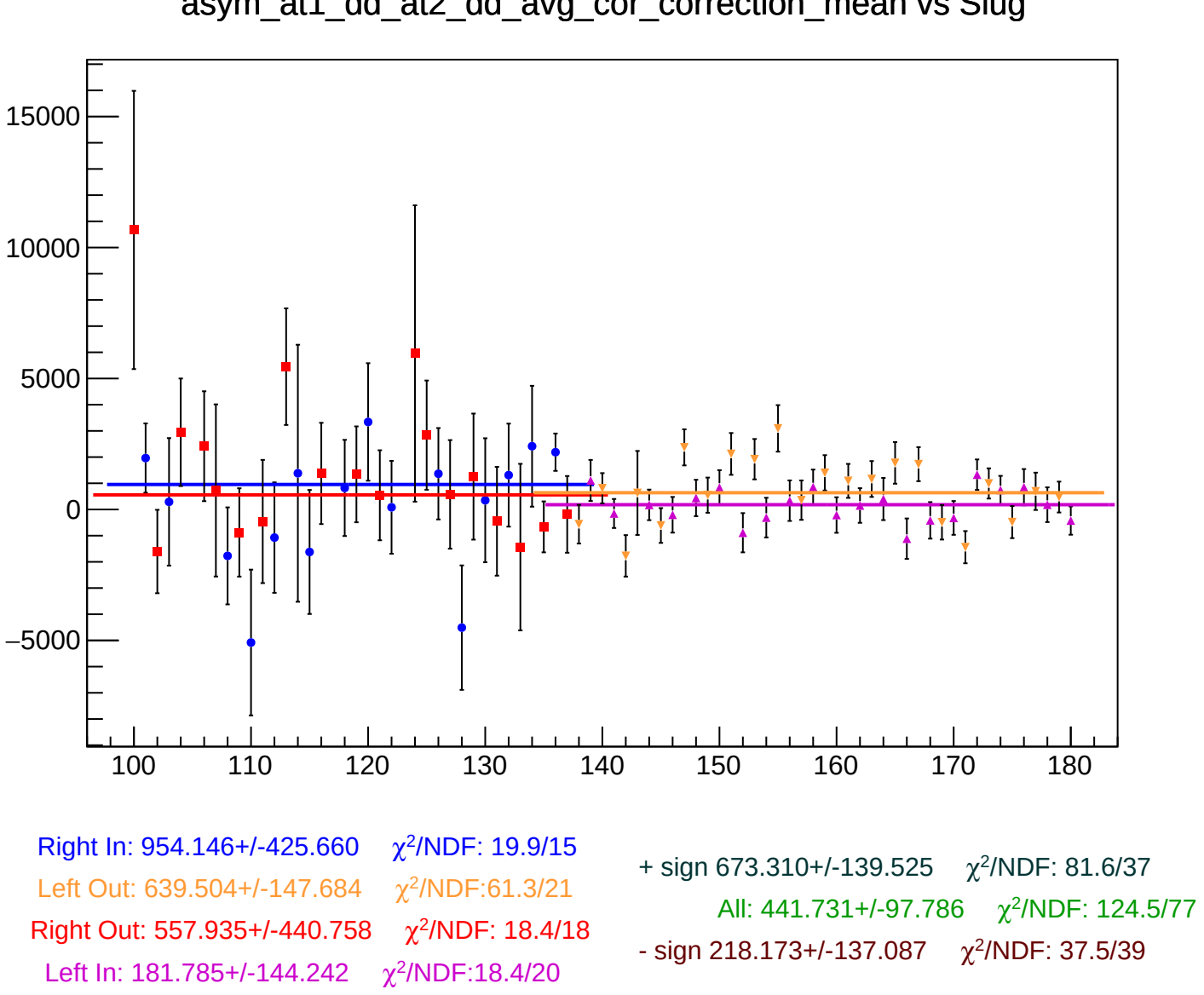
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

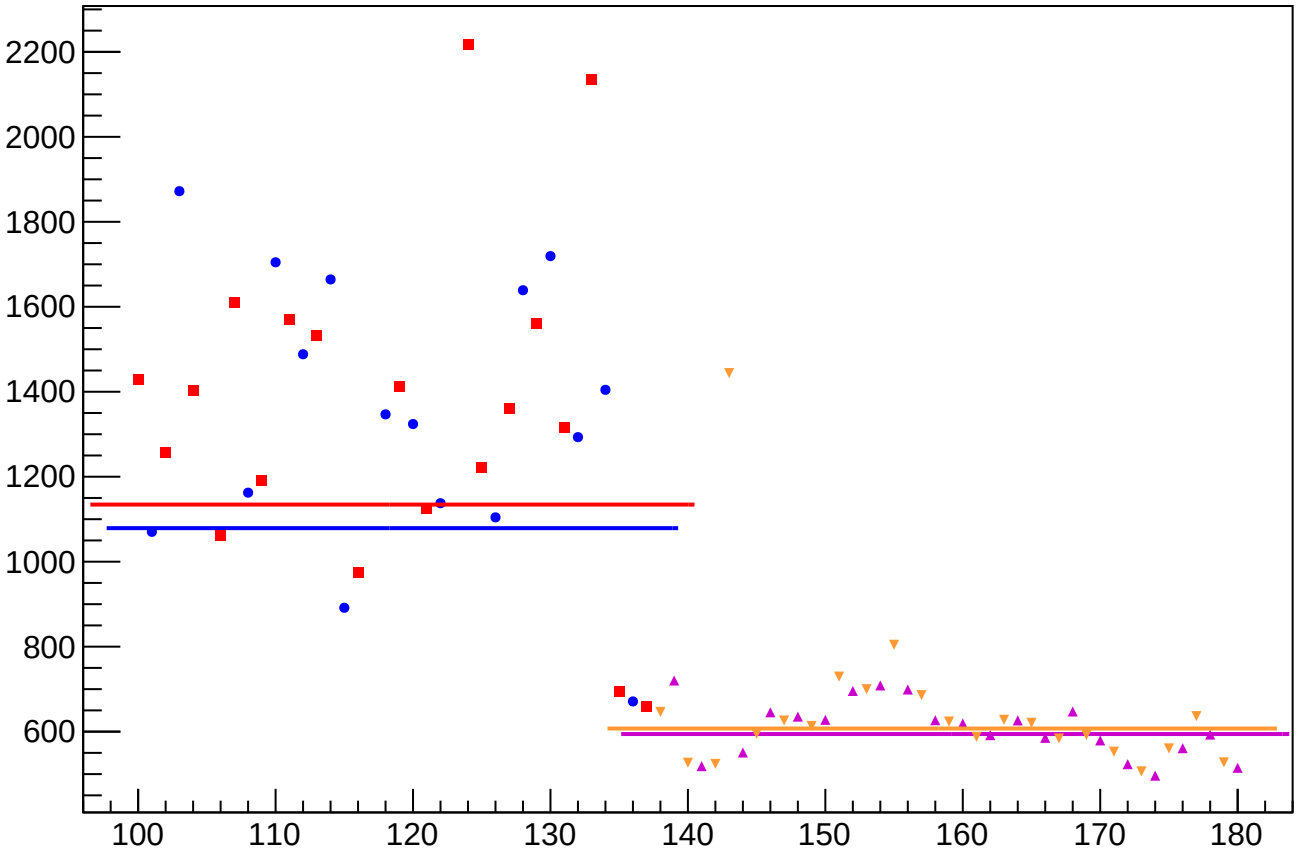
Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1256.453+/-0.180 χ^2/NDF: 714246.2/37

All: 1253.574+/-0.127 χ^2/NDF: 1091141.0/77

- sign 1250.720+/-0.179 χ^2/NDF: 376385.5/39


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 639.504+/-147.684 χ²/NDF:61.3/21
Right Out: 557.935+/-440.758 χ²/NDF: 18.4/18
Left In: 181.785+/-144.242 χ²/NDF:18.4/20
+ sign 673.310+/-139.525 χ²/NDF: 81.6/37
All: 441.731+/-97.786 χ²/NDF: 124.5/77
- sign 218.173+/-137.087 χ²/NDF: 37.5/39



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

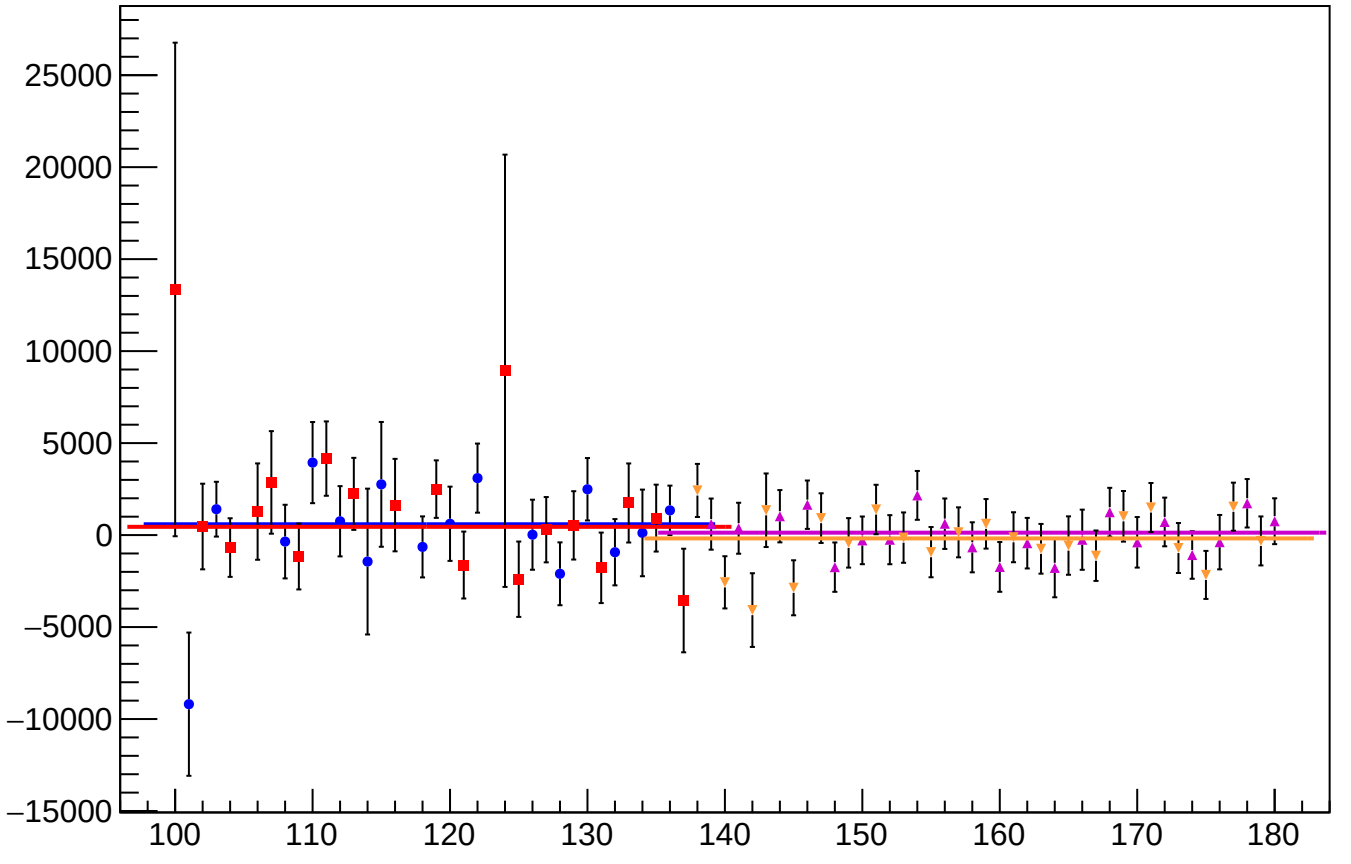
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

+ sign 658.022+/-0.099 χ^2/NDF: 4616870.1/37

All: 652.199+/-0.069 χ^2/NDF: 9034295.9/77

- 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: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

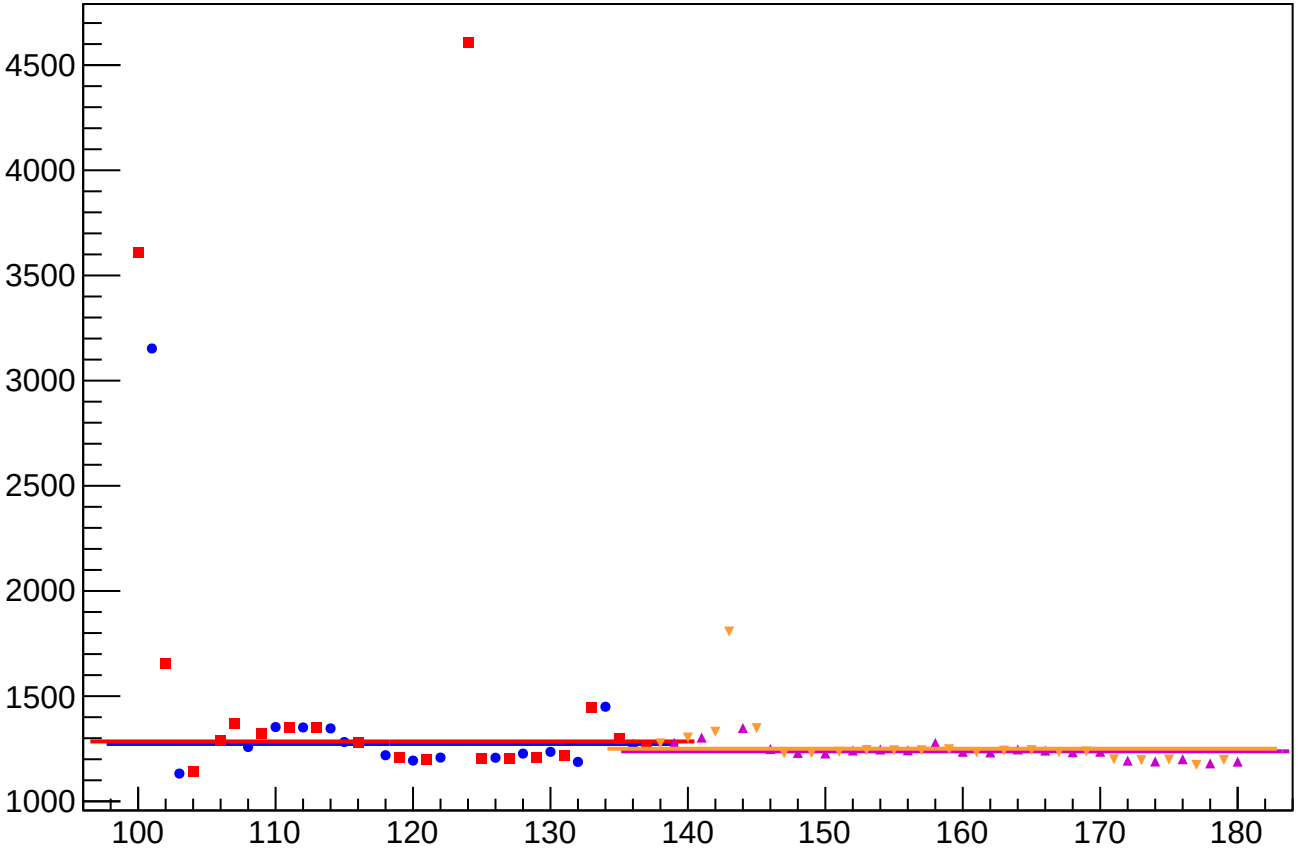
Left In: 130.707+/-298.110 χ^2/NDF:14.1/20

\+ sign 32.488+/-254.608 χ^2/NDF: 42.6/37

All: 126.066+/-179.620 χ^2/NDF: 74.1/77

\- 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: 1250.141+/-0.212 χ^2/NDF:191762.2/21

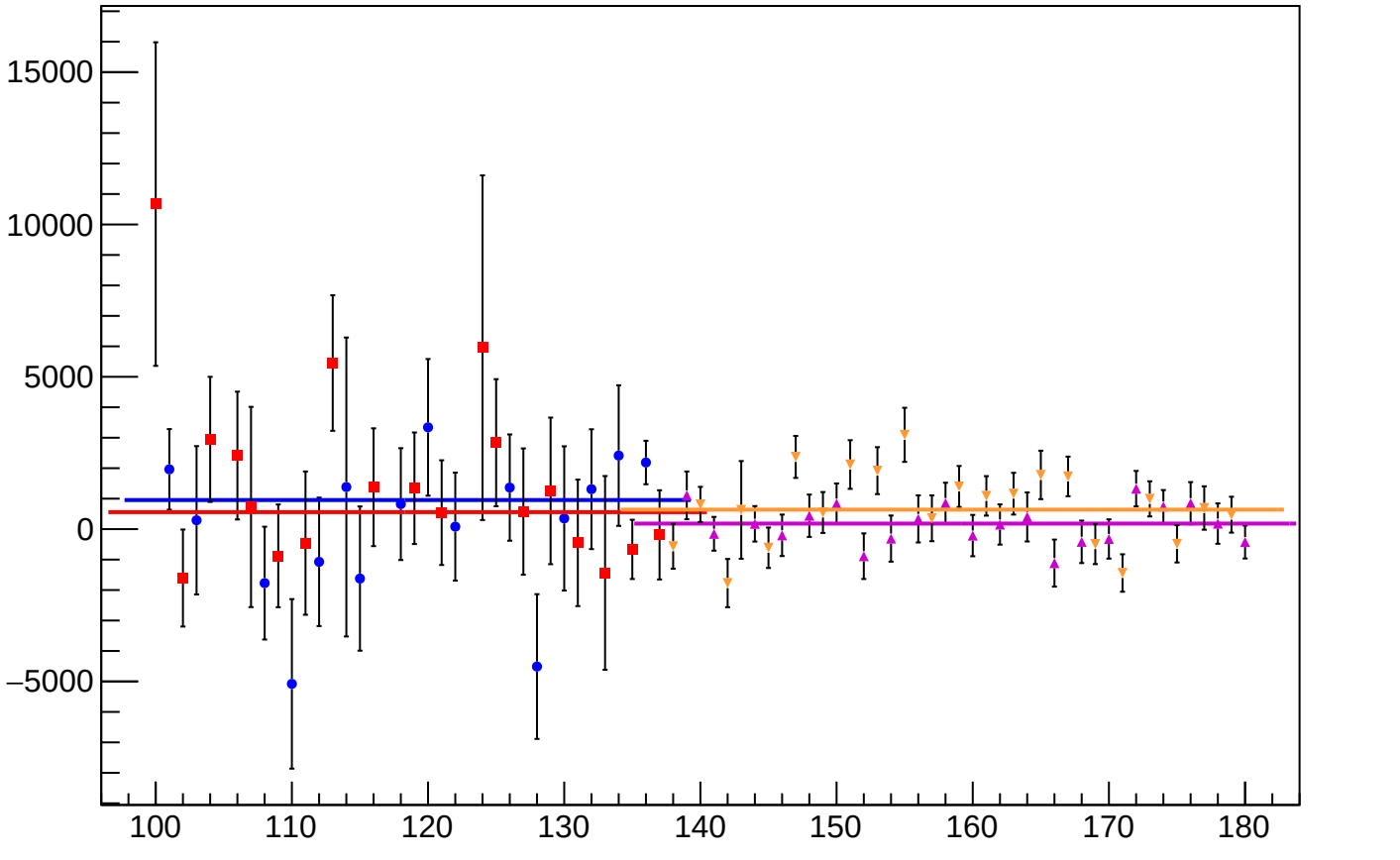
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

+ sign 1256.453+/-0.180 χ^2/NDF: 714246.2/37

All: 1253.574+/-0.127 χ^2/NDF: 1091141.0/77

- 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: 639.504+/-147.684 χ^2/NDF:61.3/21

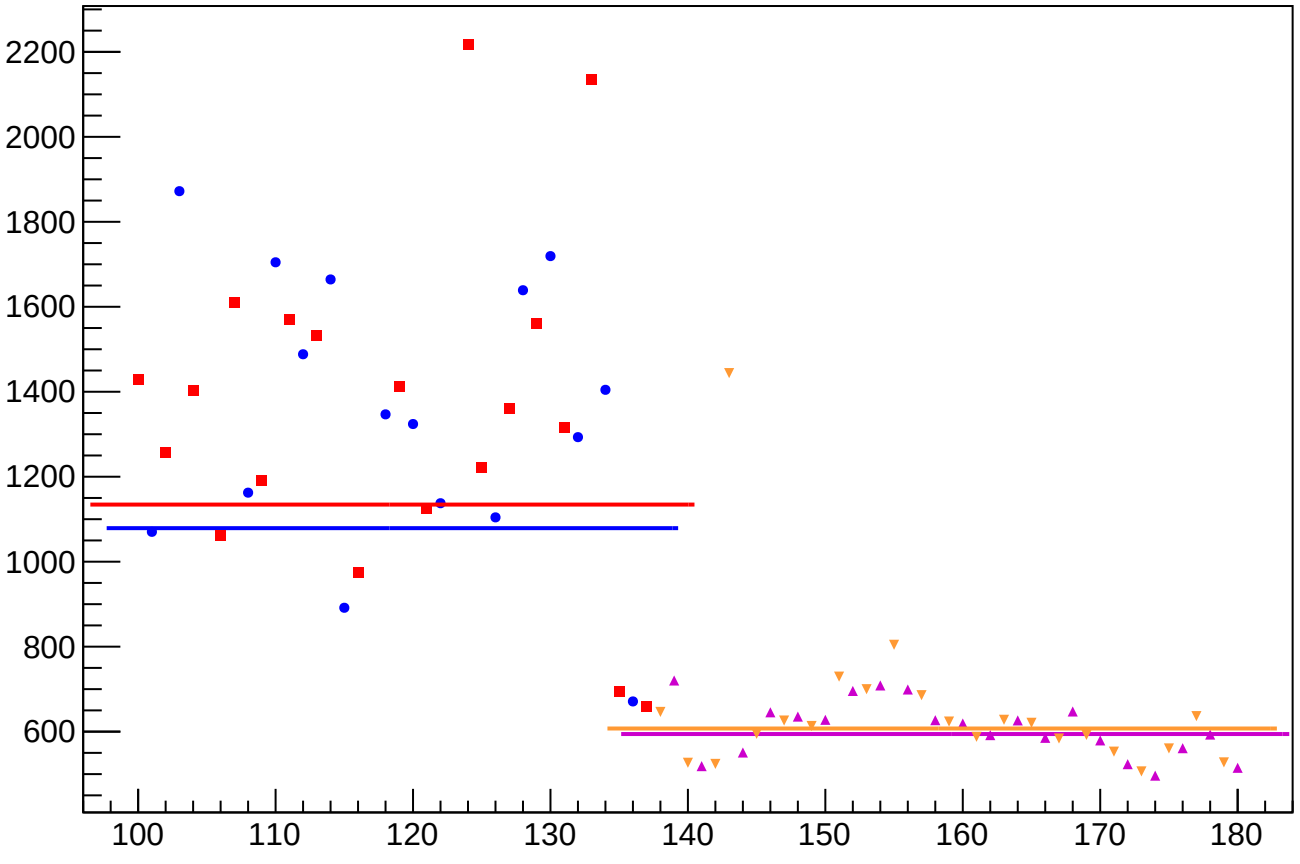
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.785+/-144.242 χ^2/NDF:18.4/20

+ sign 673.310+/-139.525 χ^2/NDF: 81.6/37

All: 441.731+/-97.786 χ^2/NDF: 124.5/77

- 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: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

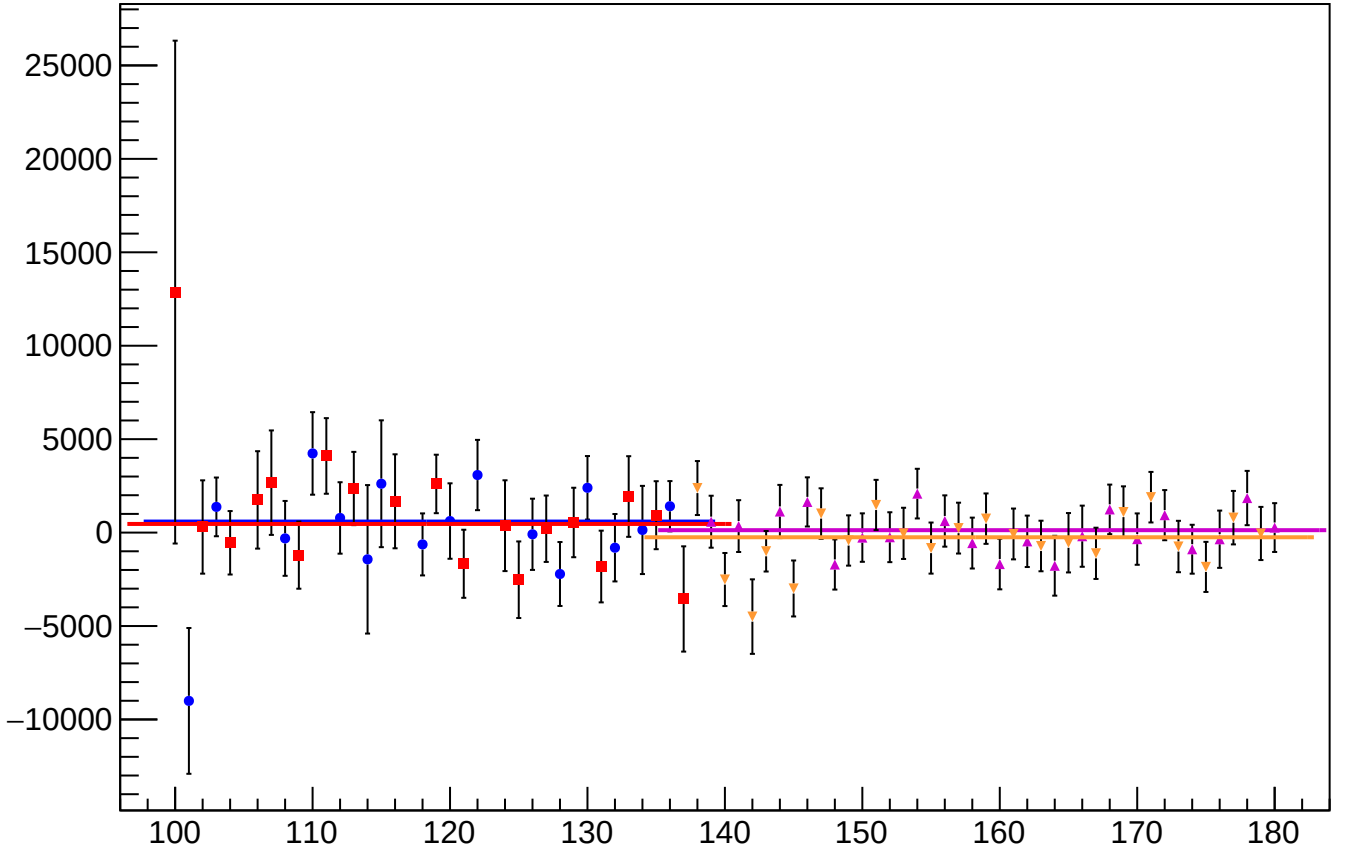
Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

+ sign 658.022+/-0.099 χ^2/NDF: 4616870.1/37

All: 652.199+/-0.069 χ^2/NDF: 9034295.9/77

- sign 646.577+/-0.097 χ^2/NDF: 4410579.2/39

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -249.722+/-294.971 χ^2/NDF:23.8/21

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

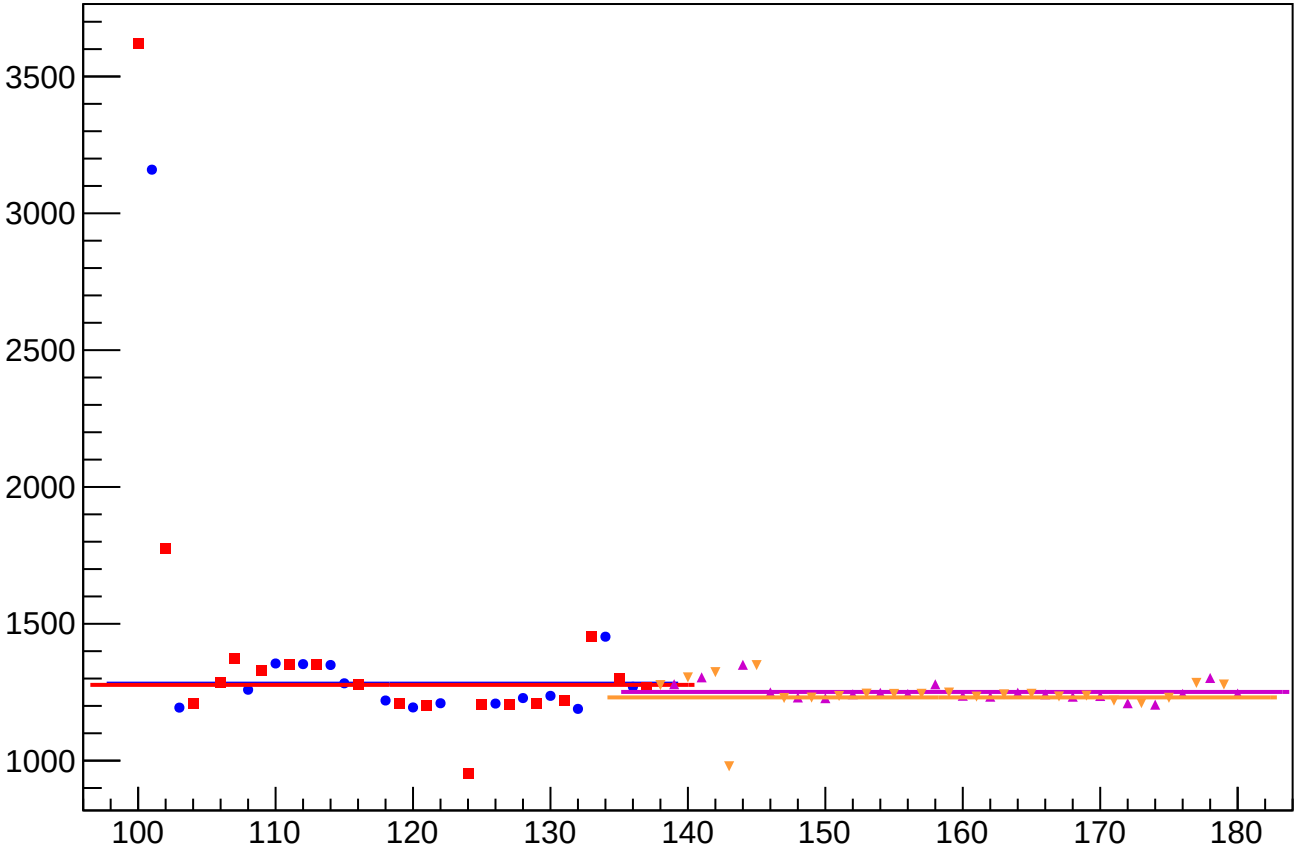
Left In: 129.589+/-301.288 χ^2/NDF:13.3/20

\+ sign -23.226+/-252.088 χ^2/NDF: 43.1/37

All: 99.419+/-179.169 χ^2/NDF: 73.9/77

\- 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: 1231.070+/-0.209 χ^2/NDF:138658.1/21

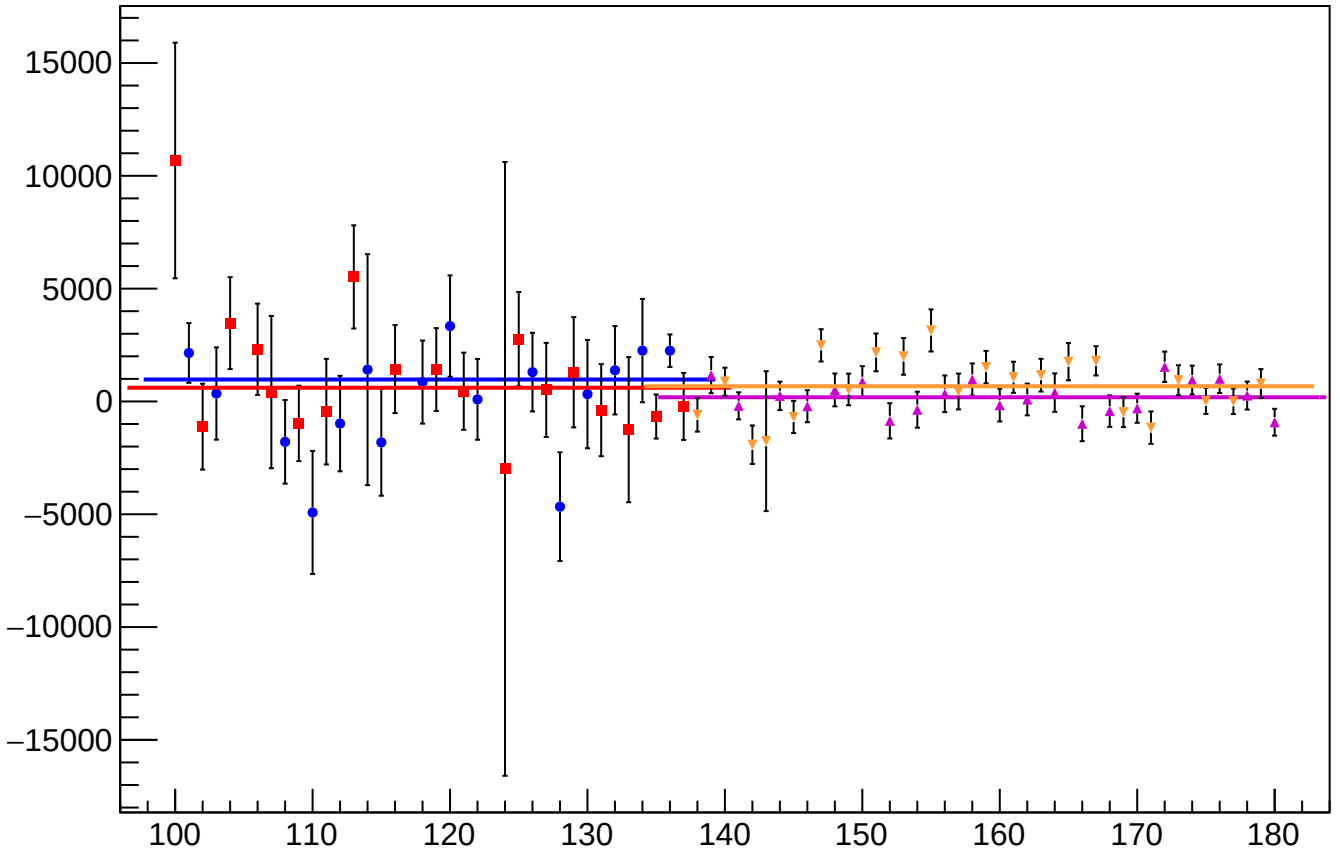
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.042+/-0.213 χ^2/NDF:23686.5/20

+ sign 1244.632+/-0.178 χ^2/NDF: 661416.5/37

All: 1251.450+/-0.127 χ^2/NDF: 912763.9/77

- 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: 673.126+/-153.713 χ^2/NDF:55.3/21

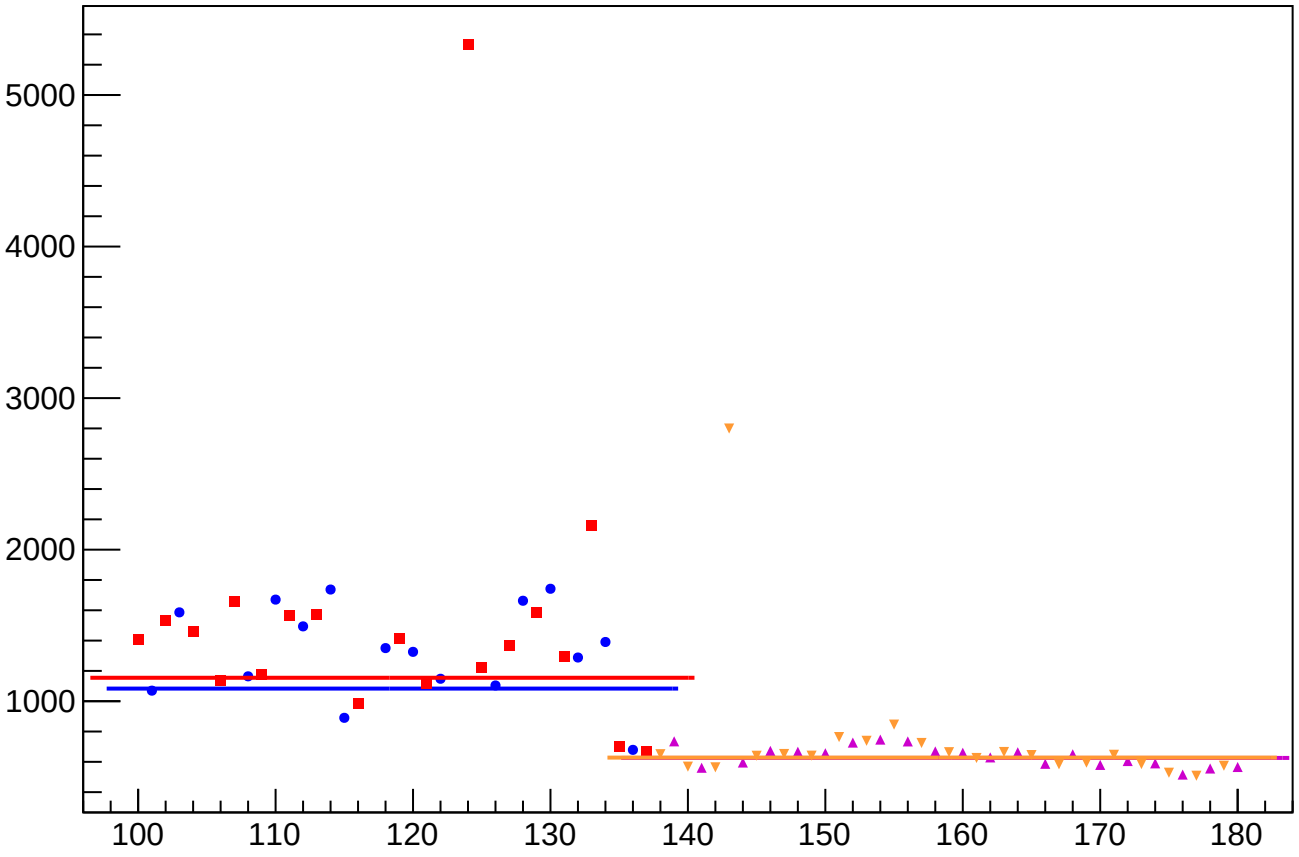
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 186.286+/-151.674 χ^2/NDF:21.4/20

+ sign 707.701+/-144.558 χ^2/NDF: 76.2/37

All: 467.225+/-101.897 χ^2/NDF: 121.0/77

- 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: 627.907+/-0.109 χ^2/NDF:1443082.4/21

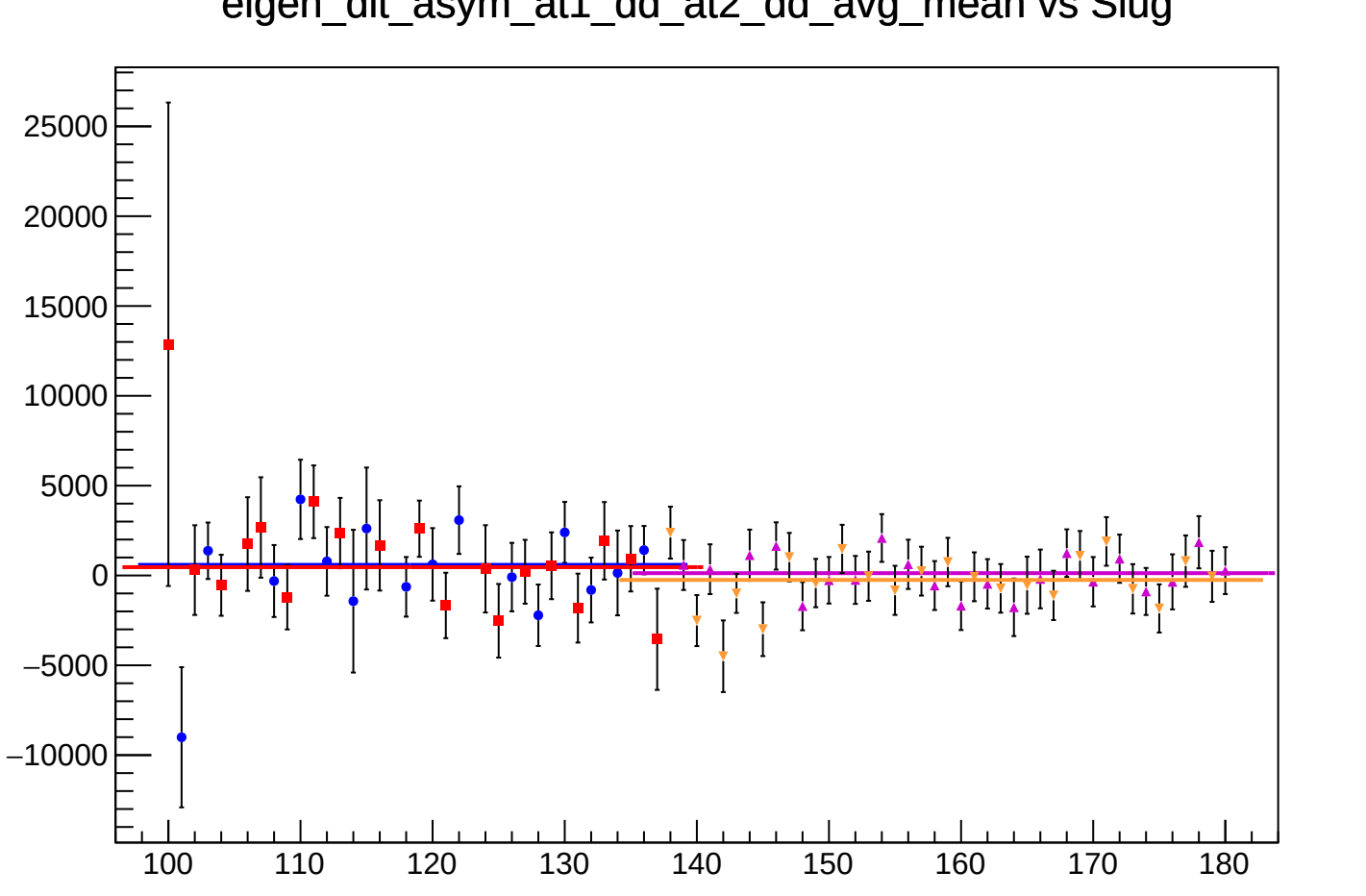
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 625.775+/-0.107 χ^2/NDF:346031.4/20

+ sign 680.543+/-0.102 χ^2/NDF: 4832346.1/37

All: 680.384+/-0.072 χ^2/NDF: 9170700.9/77

- 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: -249.724+/-294.971 χ^2/NDF:23.8/21

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

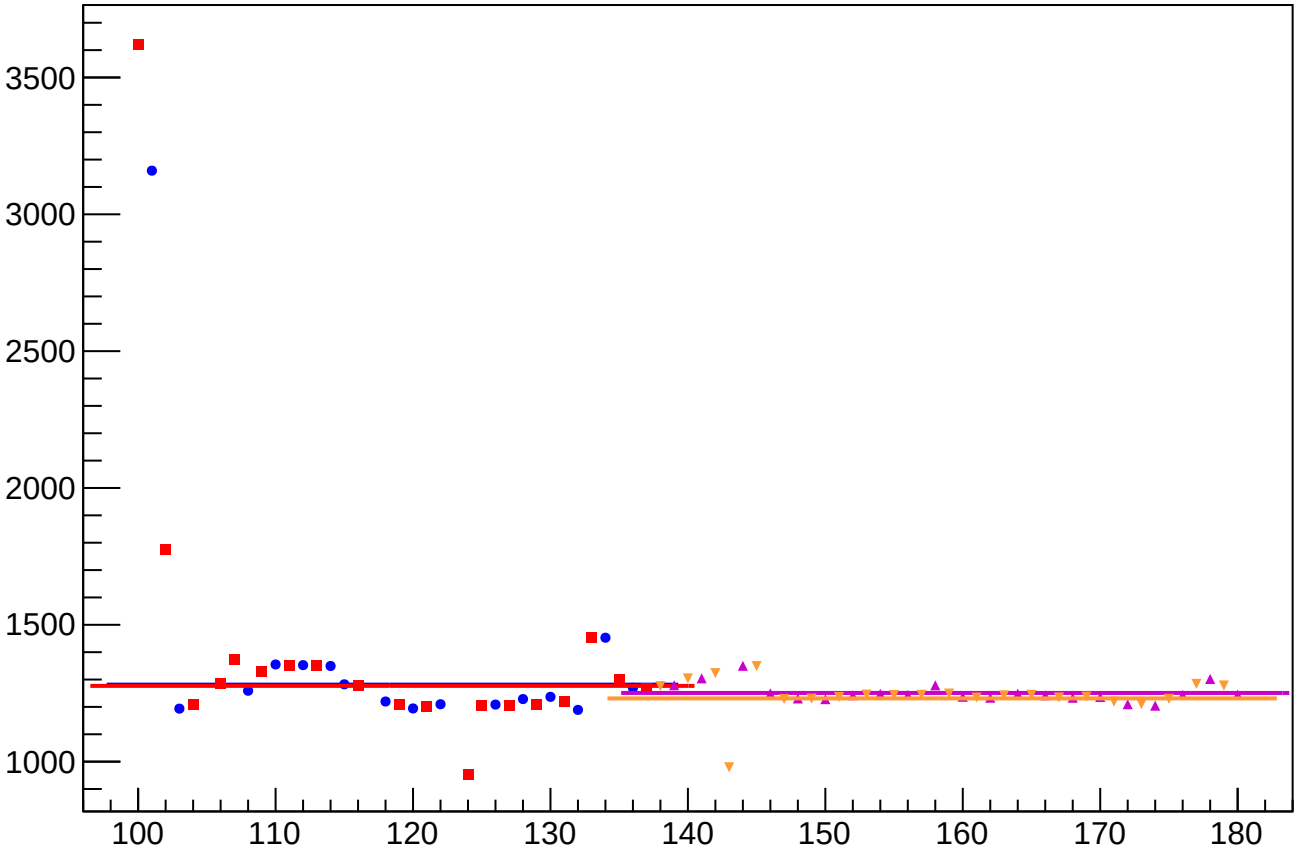
Left In: 129.589+/-301.288 χ^2/NDF:13.3/20

\+ sign -23.227+/-252.088 χ^2/NDF: 43.1/37

All: 99.419+/-179.169 χ^2/NDF: 73.9/77

\- 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: 1231.070+/-0.209 χ^2/NDF:138657.2/21

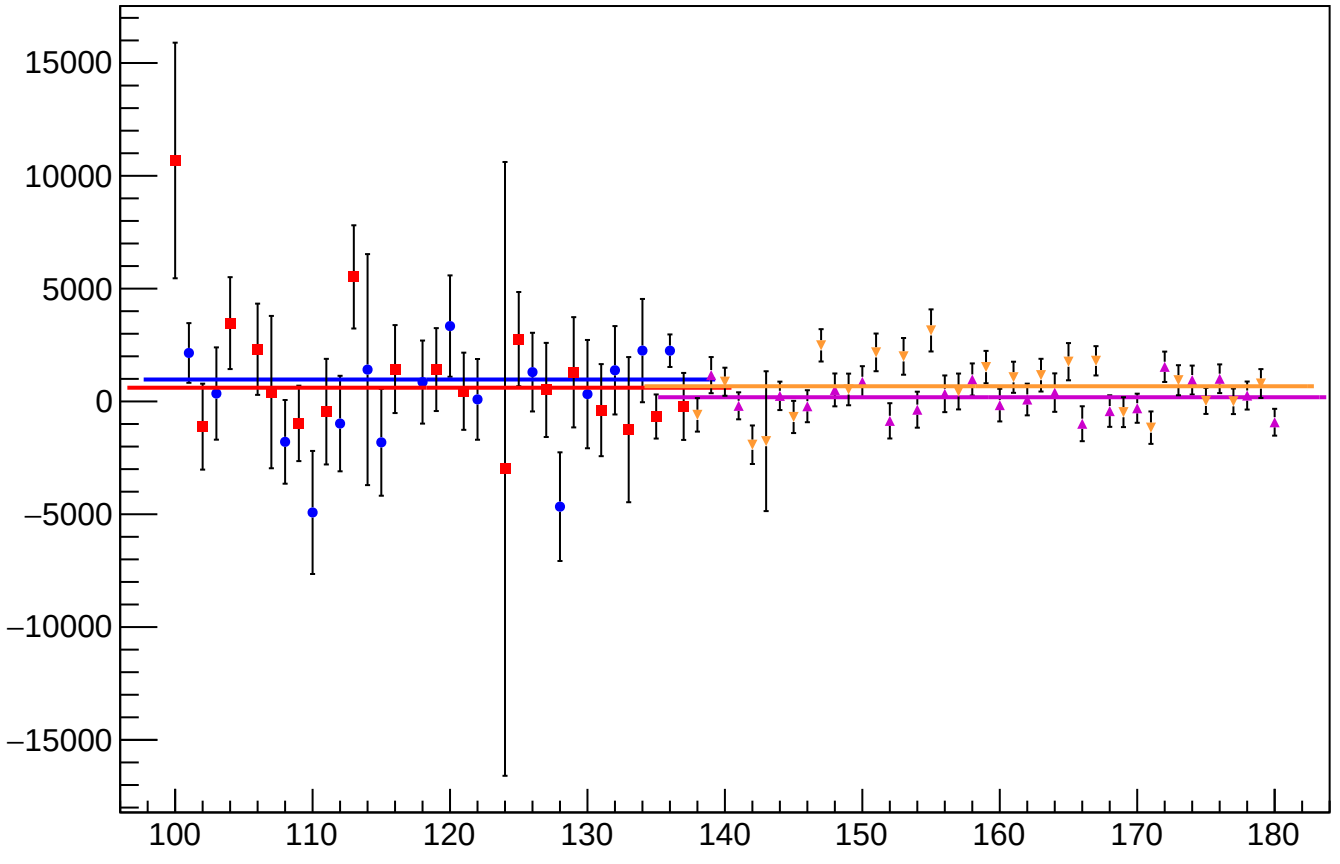
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.041+/-0.213 χ^2/NDF:23686.5/20

+ sign 1244.632+/-0.178 χ^2/NDF: 661415.7/37

All: 1251.449+/-0.127 χ^2/NDF: 912762.9/77

- 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: 673.126+/-153.713 χ^2/NDF:55.3/21

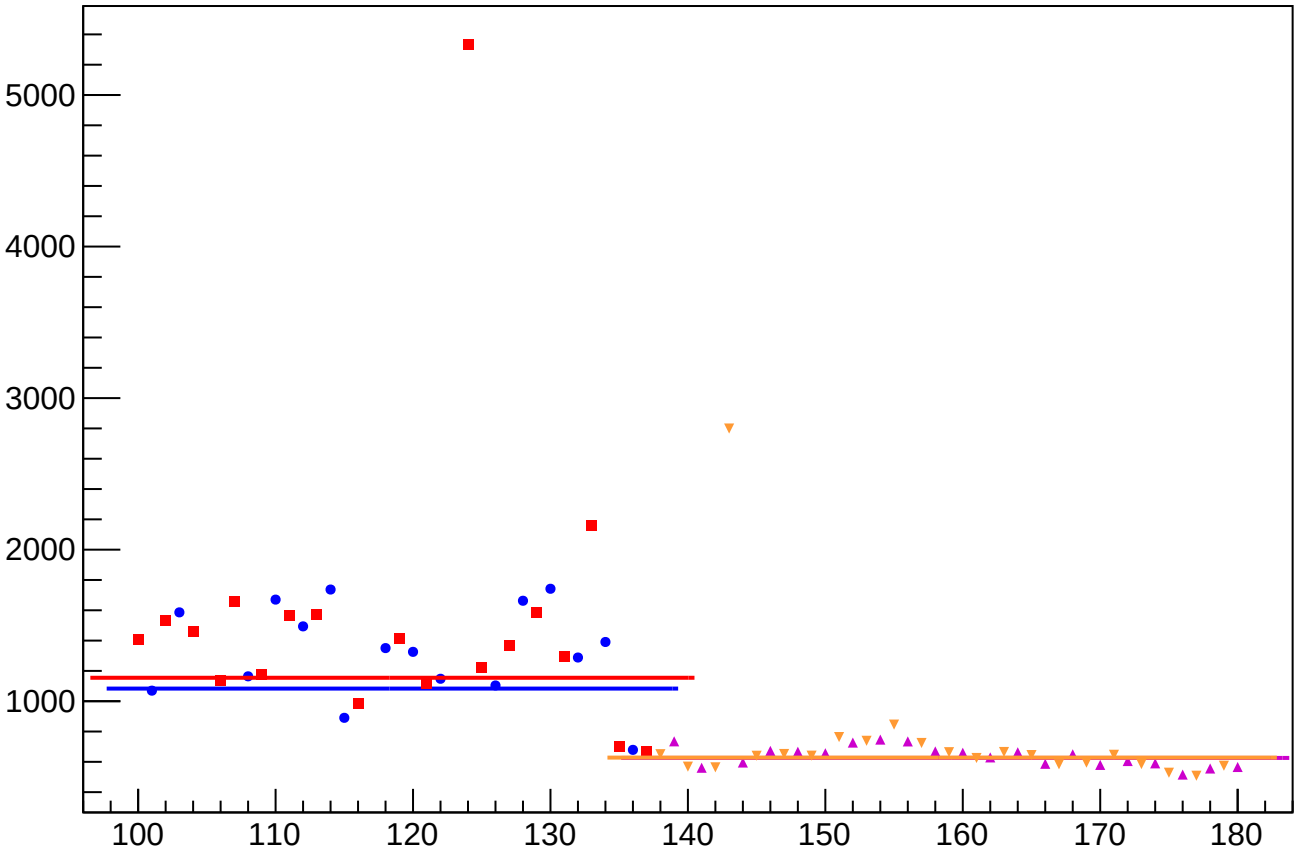
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 186.285+/-151.674 χ^2/NDF:21.4/20

+ sign 707.701+/-144.558 χ^2/NDF: 76.2/37

All: 467.224+/-101.897 χ^2/NDF: 121.0/77

- 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: 627.907+/-0.109 χ^2/NDF:1443081.2/21

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

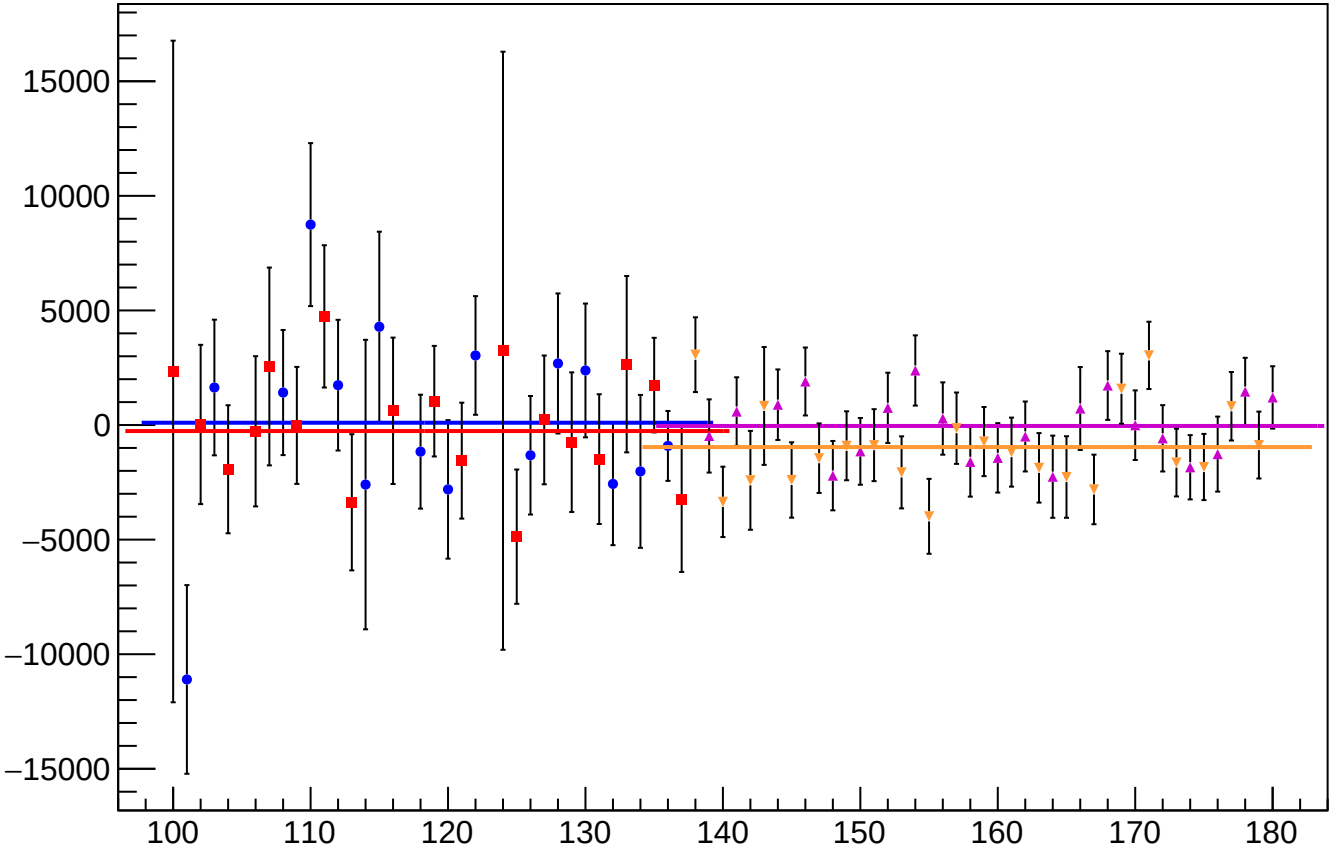
Left In: 625.774+/-0.107 χ^2/NDF:346038.2/20

+ sign 680.543+/-0.102 χ^2/NDF: 4832334.0/37

All: 680.384+/-0.072 χ^2/NDF: 9170701.8/77

- 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: -961.866+/-336.664 χ^2/NDF:29.2/21

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

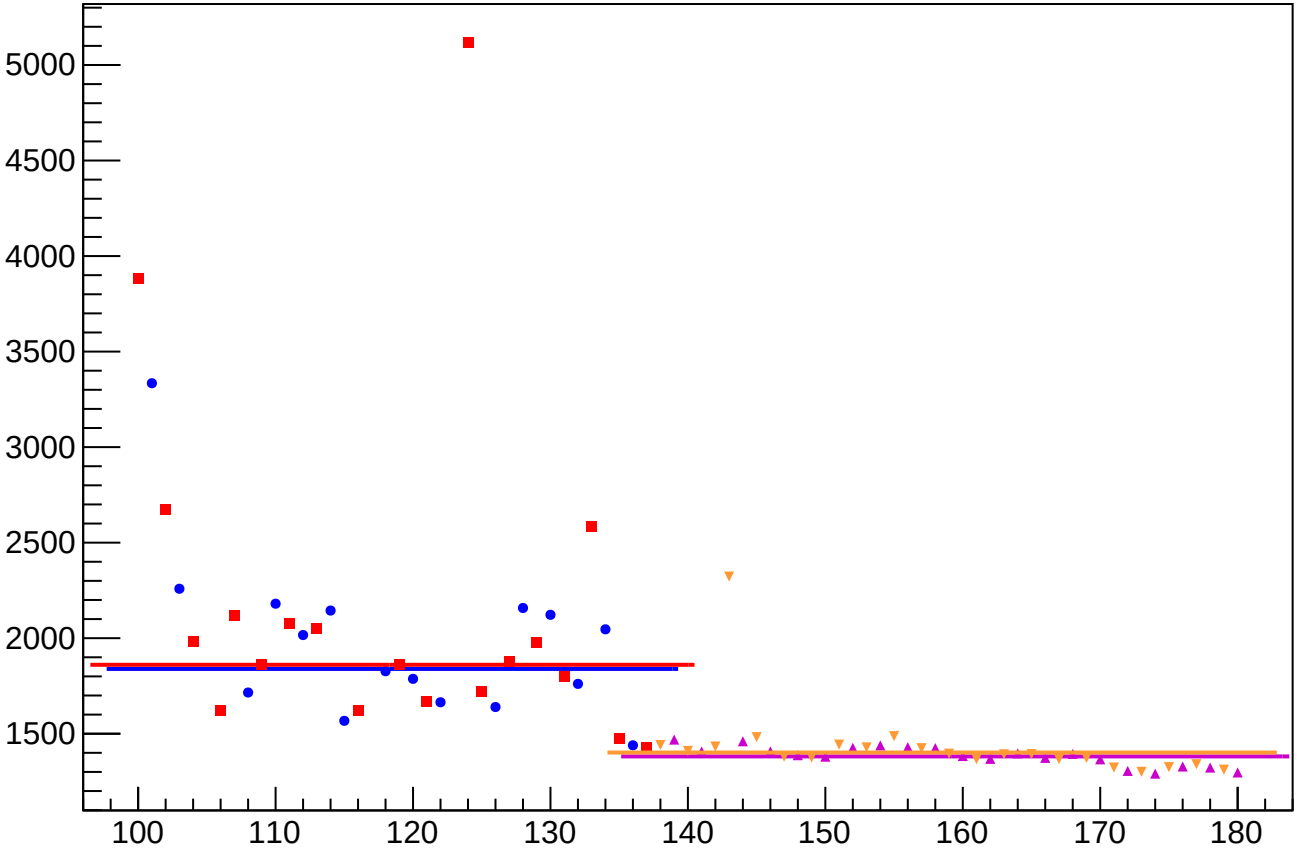
Left In: -40.582+/-332.765 χ^2/NDF:17.1/20

\+ sign -761.829+/-303.315 χ^2/NDF: 52.3/37

All: -418.536+/-213.479 χ^2/NDF: 82.3/77

\- 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: 1401.617+/-0.238 χ^2/NDF:306291.0/21

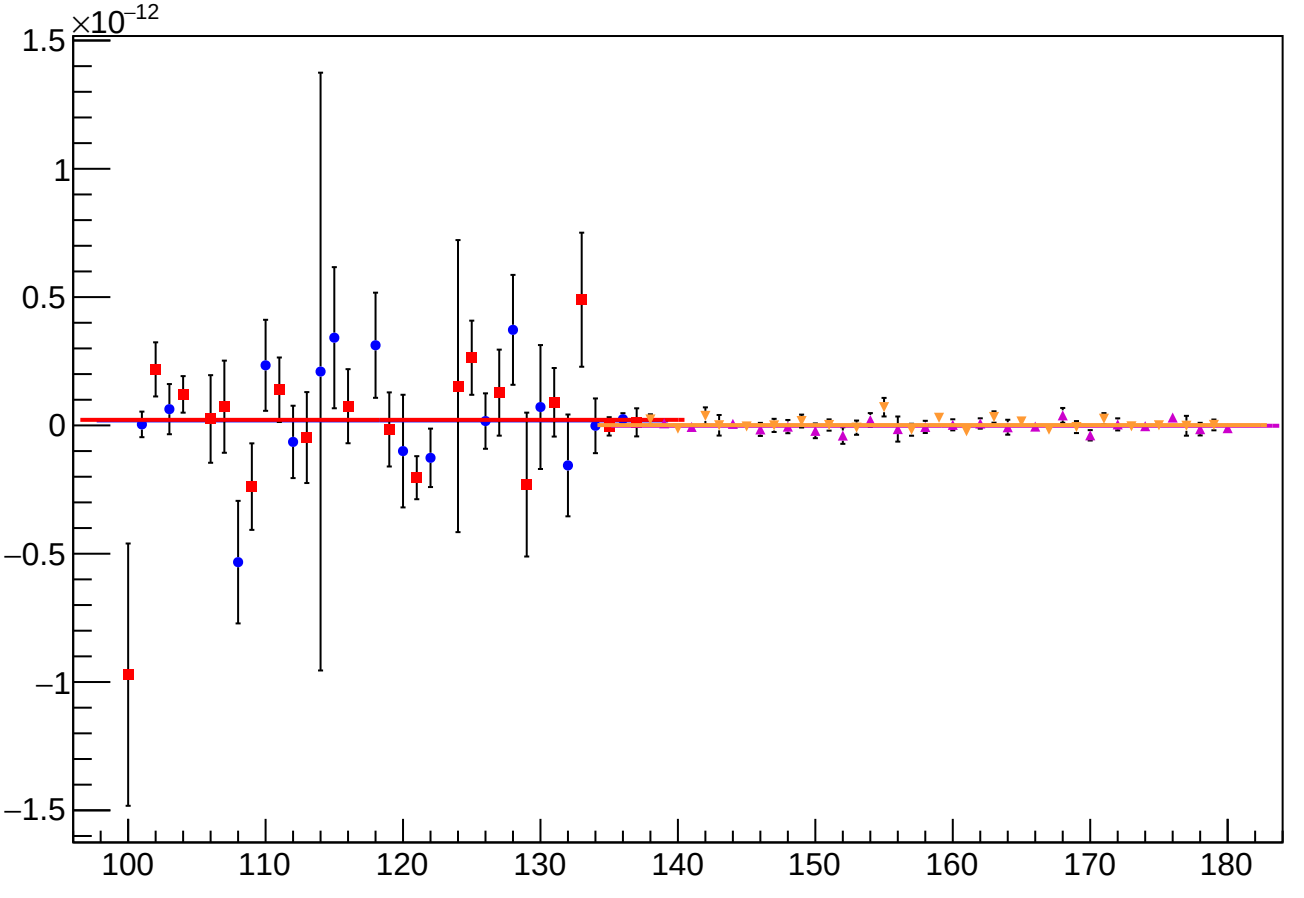
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1381.208+/-0.235 χ^2/NDF:47958.1/20

+ sign 1483.999+/-0.214 χ^2/NDF: 1498991.9/37

All: 1476.763+/-0.151 χ^2/NDF: 2837440.0/77

- 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:18.7/21

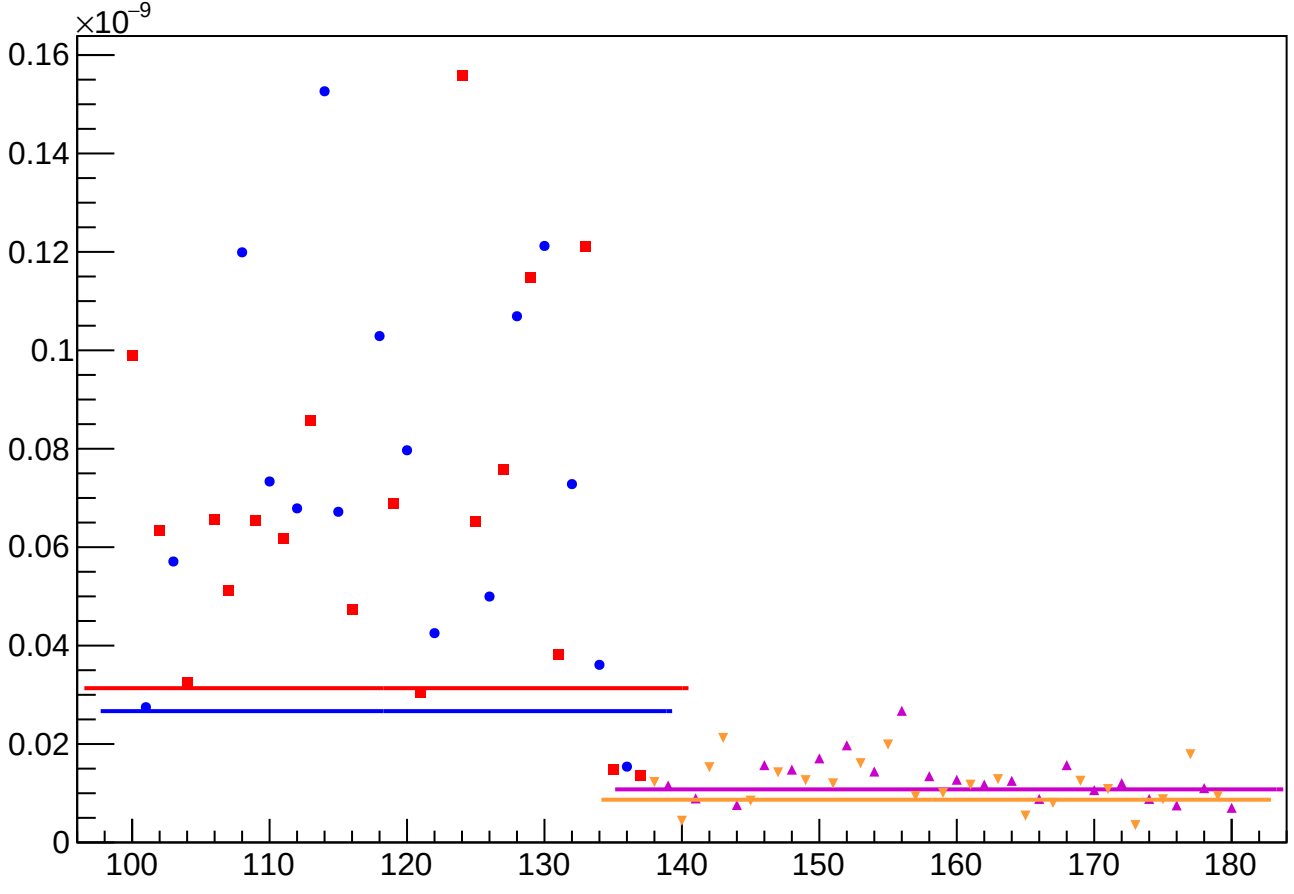
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/37

All: 0.000+/-0.000 χ^2/NDF: 78.9/77

- 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:2116927.3/21

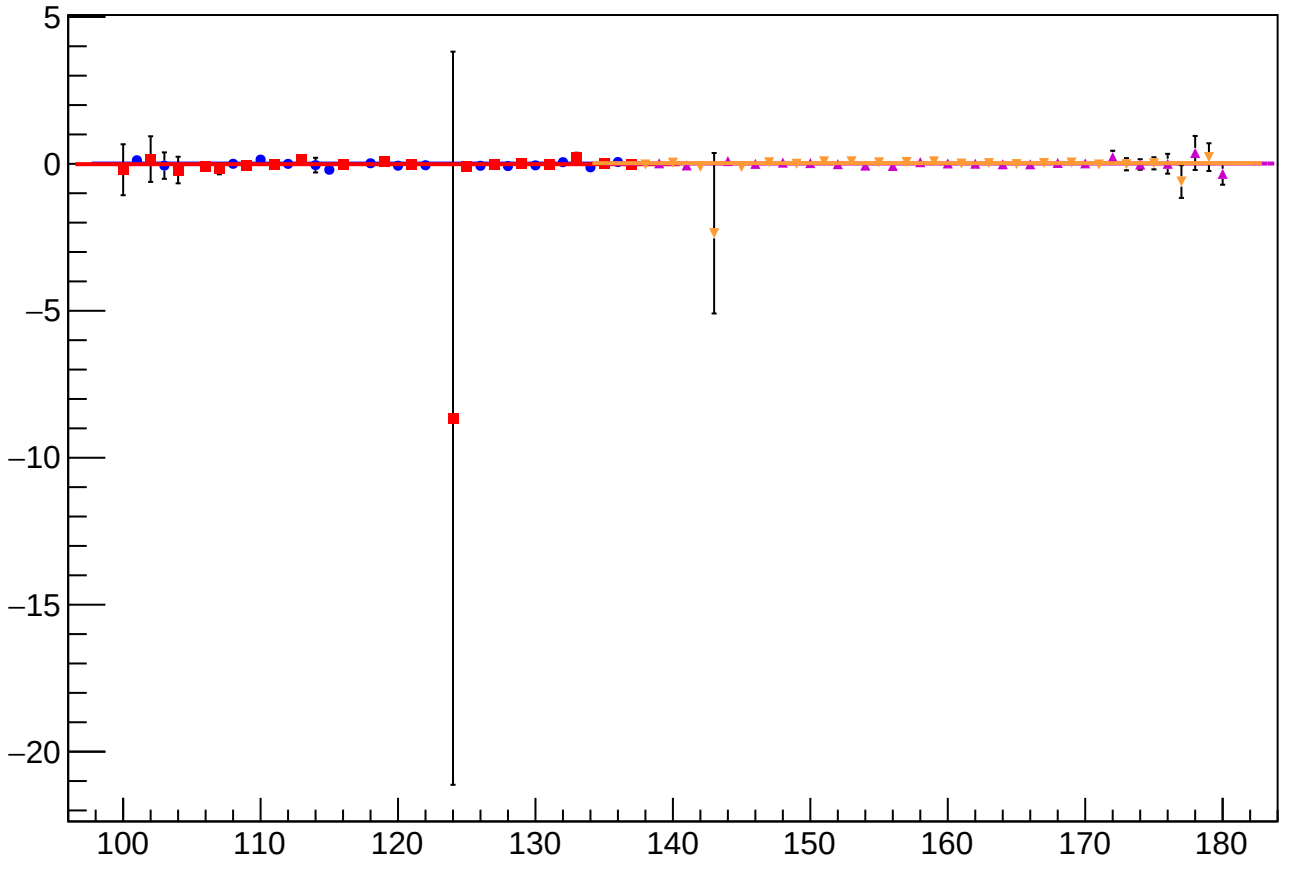
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1133312.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 6452614.5/37

All: 0.000+/-0.000 χ^2/NDF: 11762889.7/77

- 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:19.6/21

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

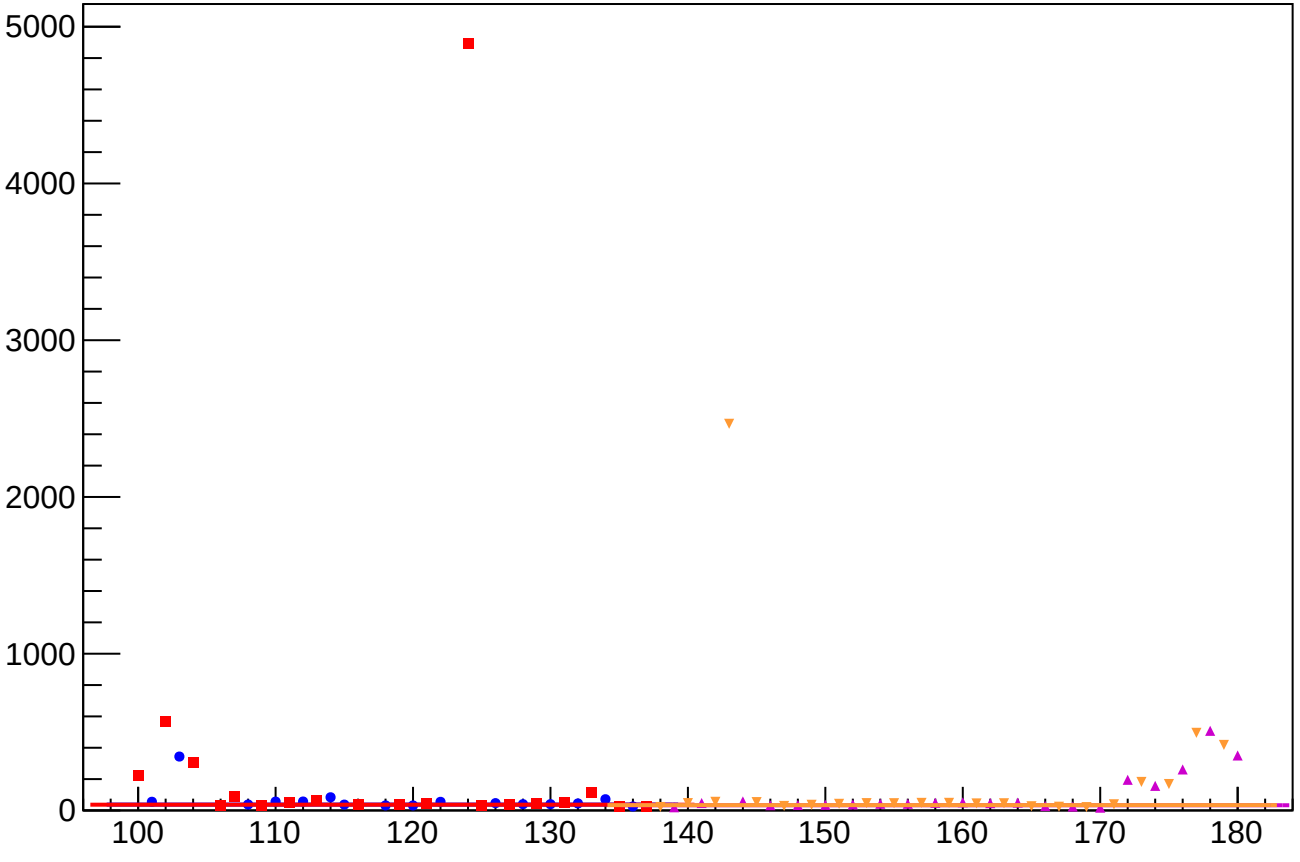
Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.9/77

- 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: 34.002+/-0.007 χ^2/NDF:8549355.4/21

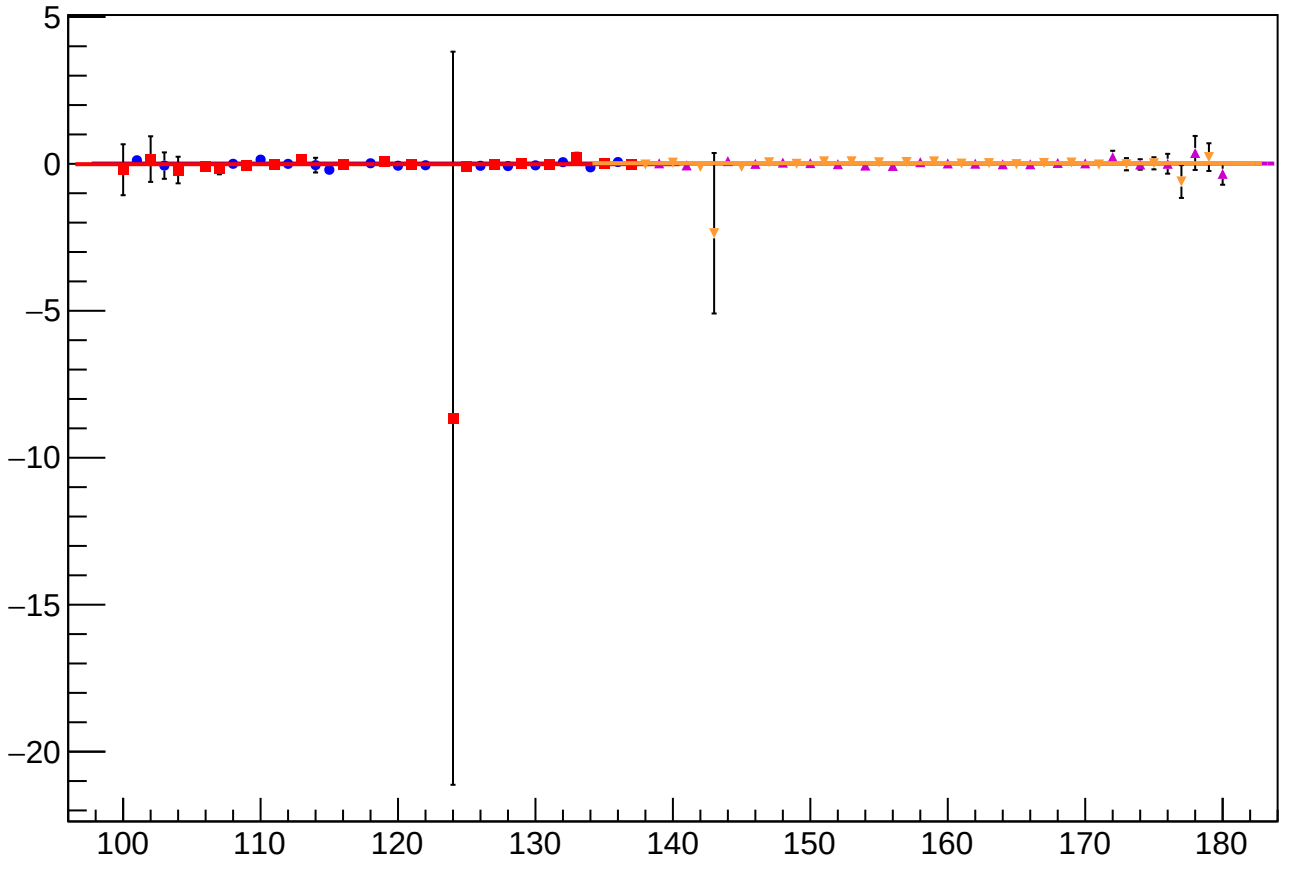
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

+ sign 35.007+/-0.006 χ^2/NDF: 10599825.5/37

All: 34.565+/-0.004 χ^2/NDF: 22410280.3/77

- 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:19.6/21

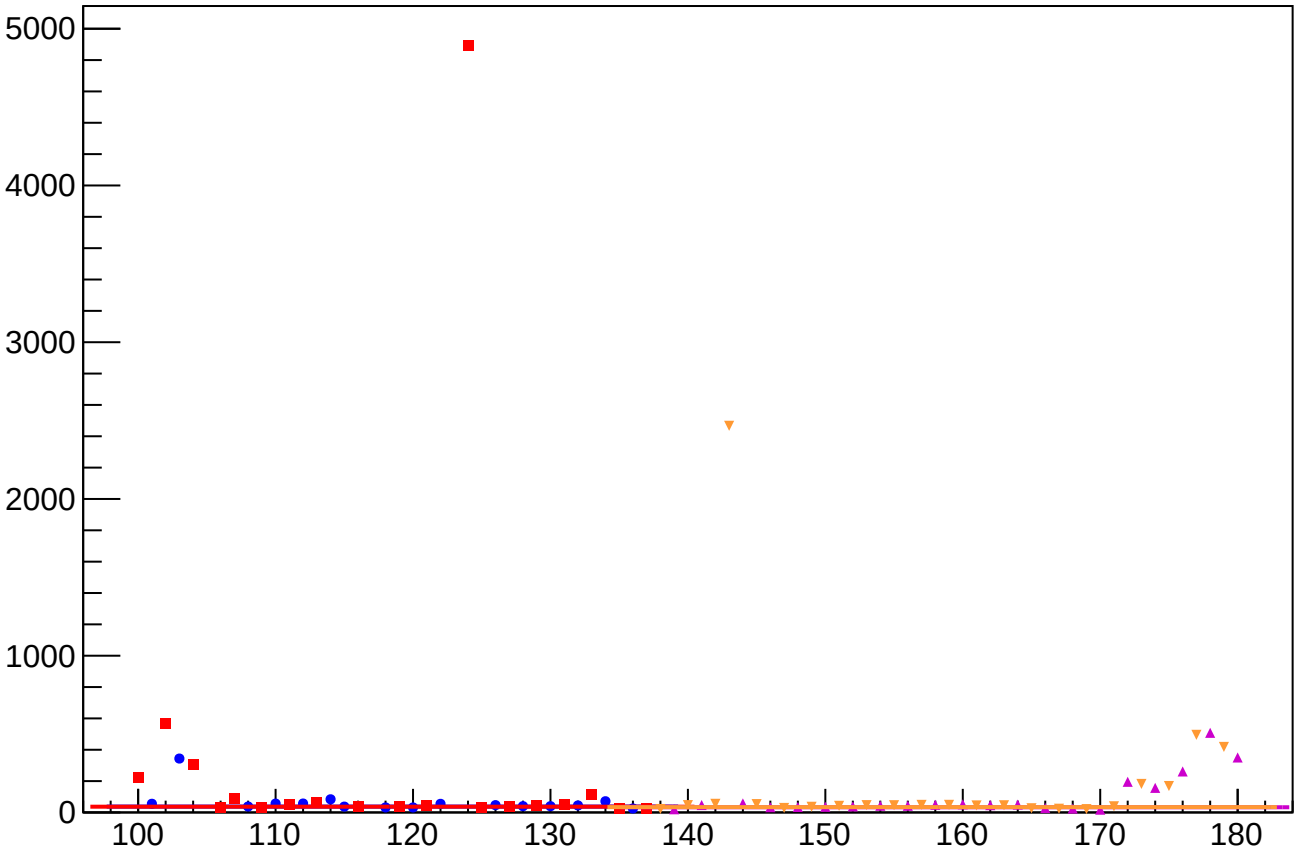
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.9/77

- 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: 34.002+/-0.007 χ^2/NDF:8549355.4/21

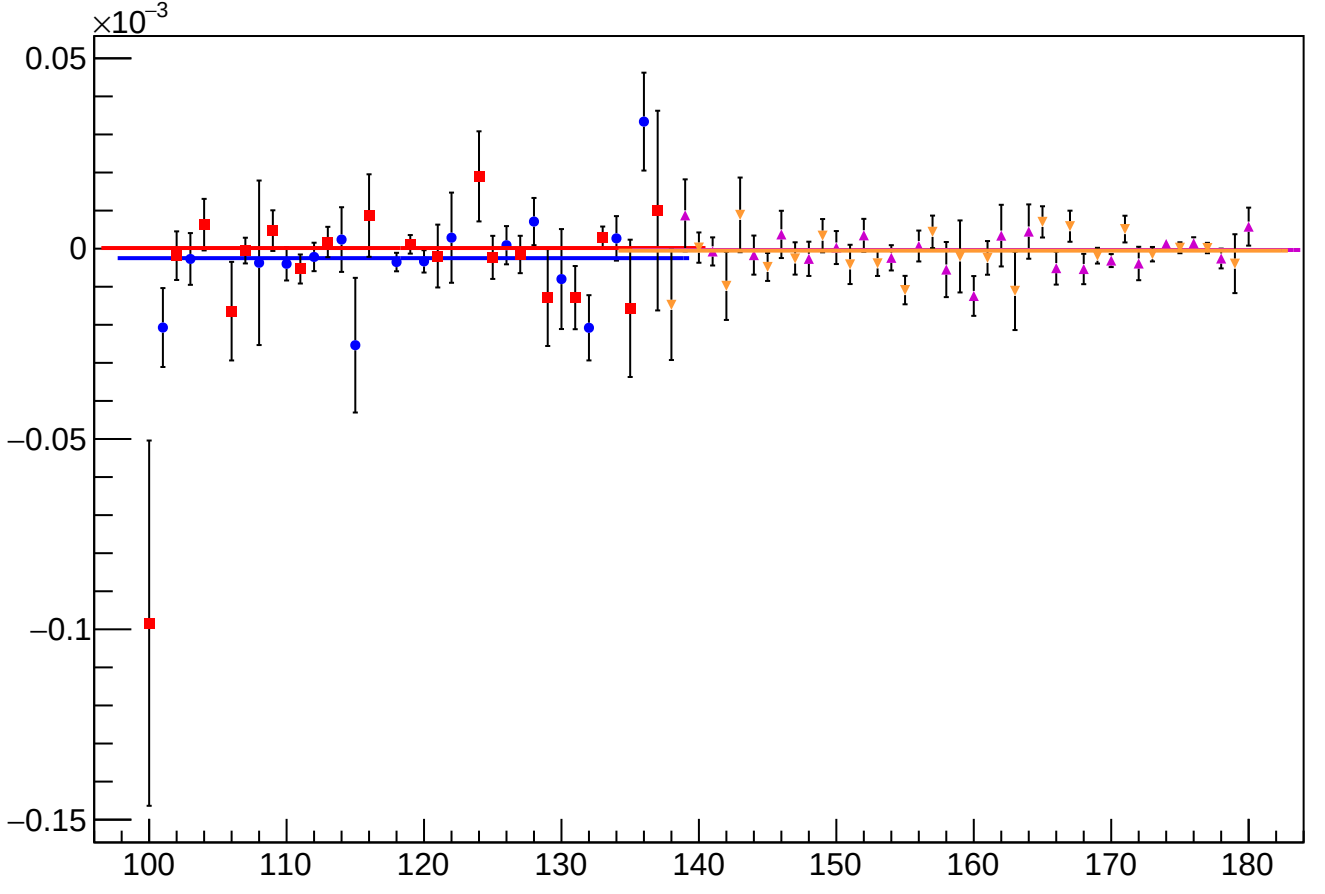
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

+ sign 35.007+/-0.006 χ^2/NDF: 10599825.5/37

All: 34.565+/-0.004 χ^2/NDF: 22410280.3/77

- 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:27.0/21

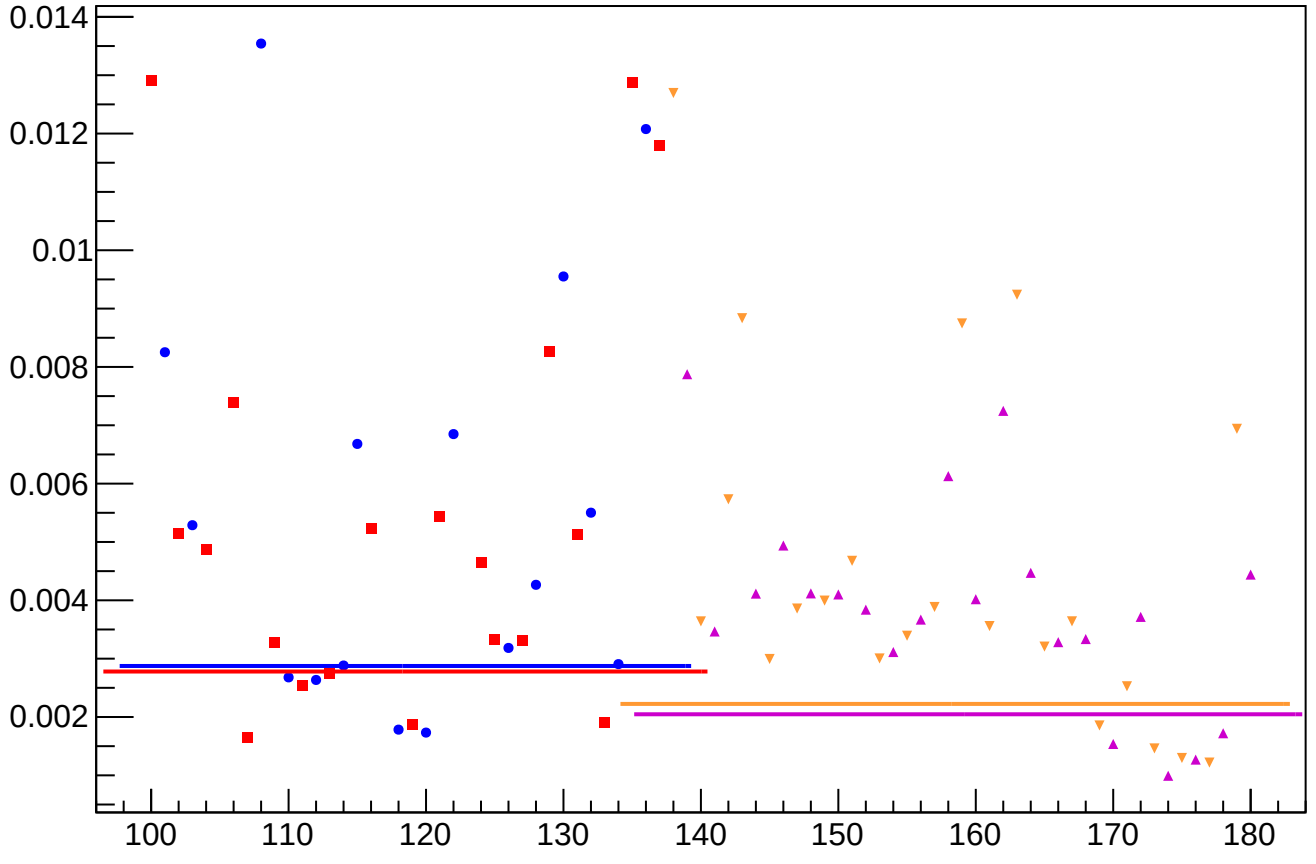
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.1/20

+ sign -0.000+/-0.000 χ^2/NDF: 50.7/37

All: -0.000+/-0.000 χ^2/NDF: 91.6/77

- 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:9758639.5/21

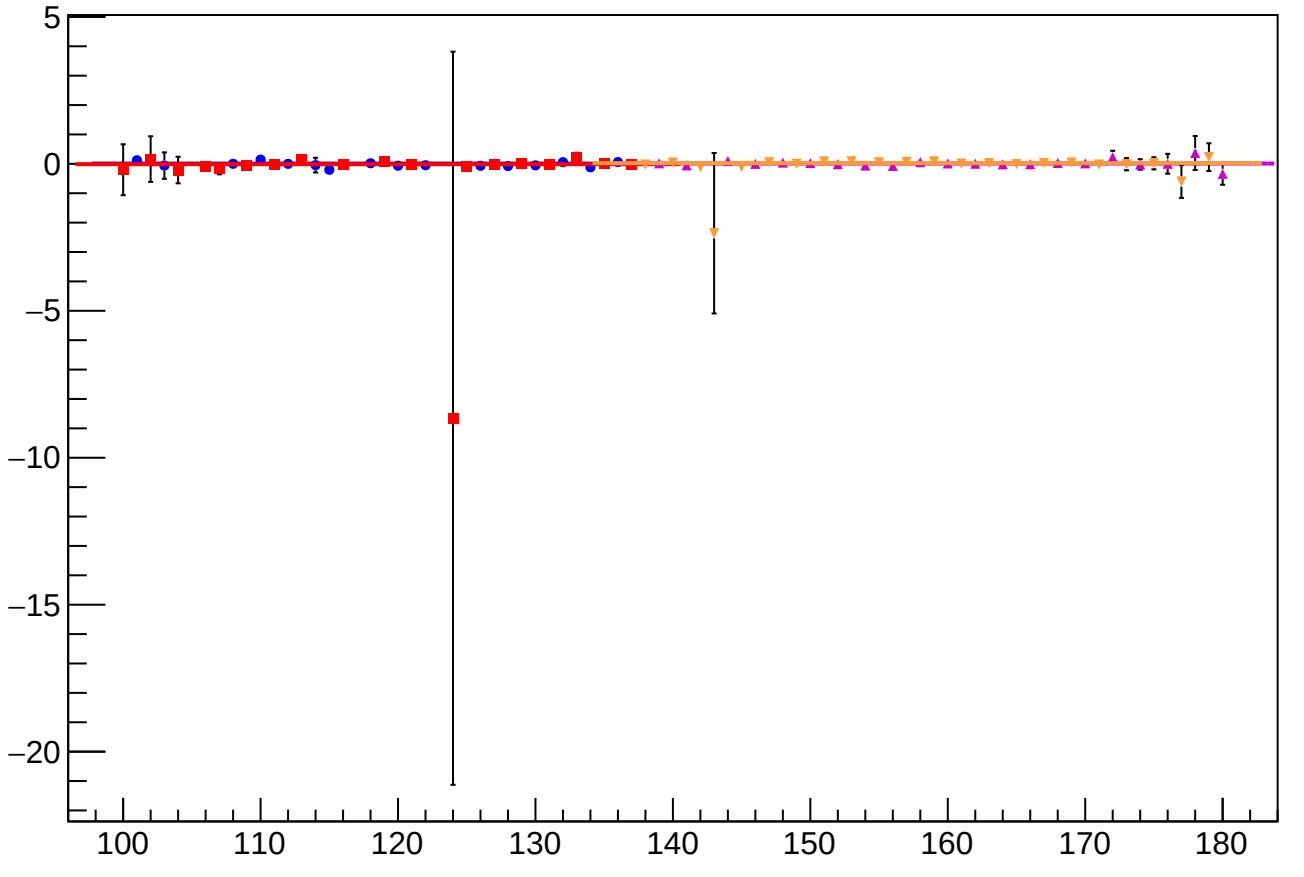
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:9246141.6/20

+ sign 0.002+/-0.000 χ^2/NDF: 14308084.0/37

All: 0.002+/-0.000 χ^2/NDF: 27532120.9/77

- 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:19.6/21

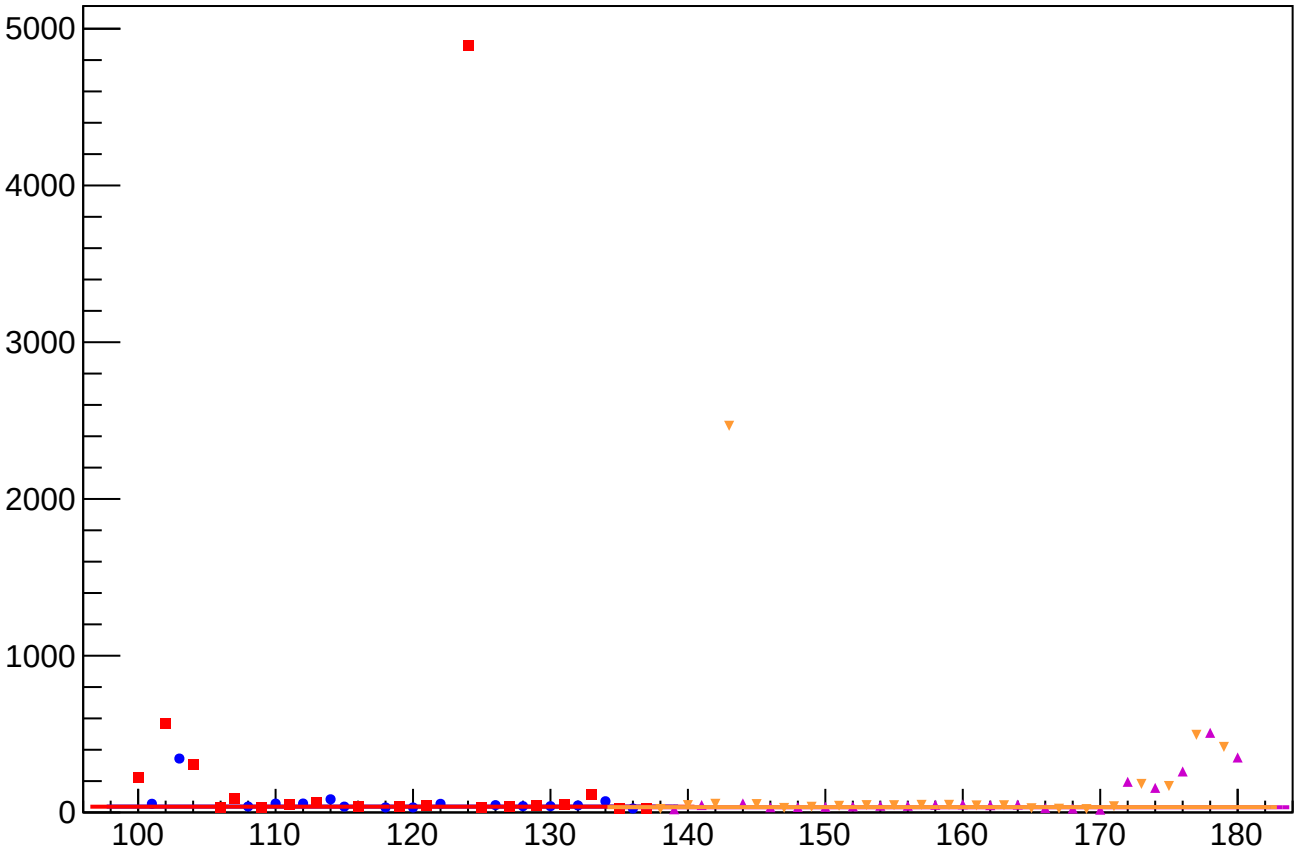
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.9/77

- 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: 34.001+/-0.007 χ^2/NDF:8549446.2/21

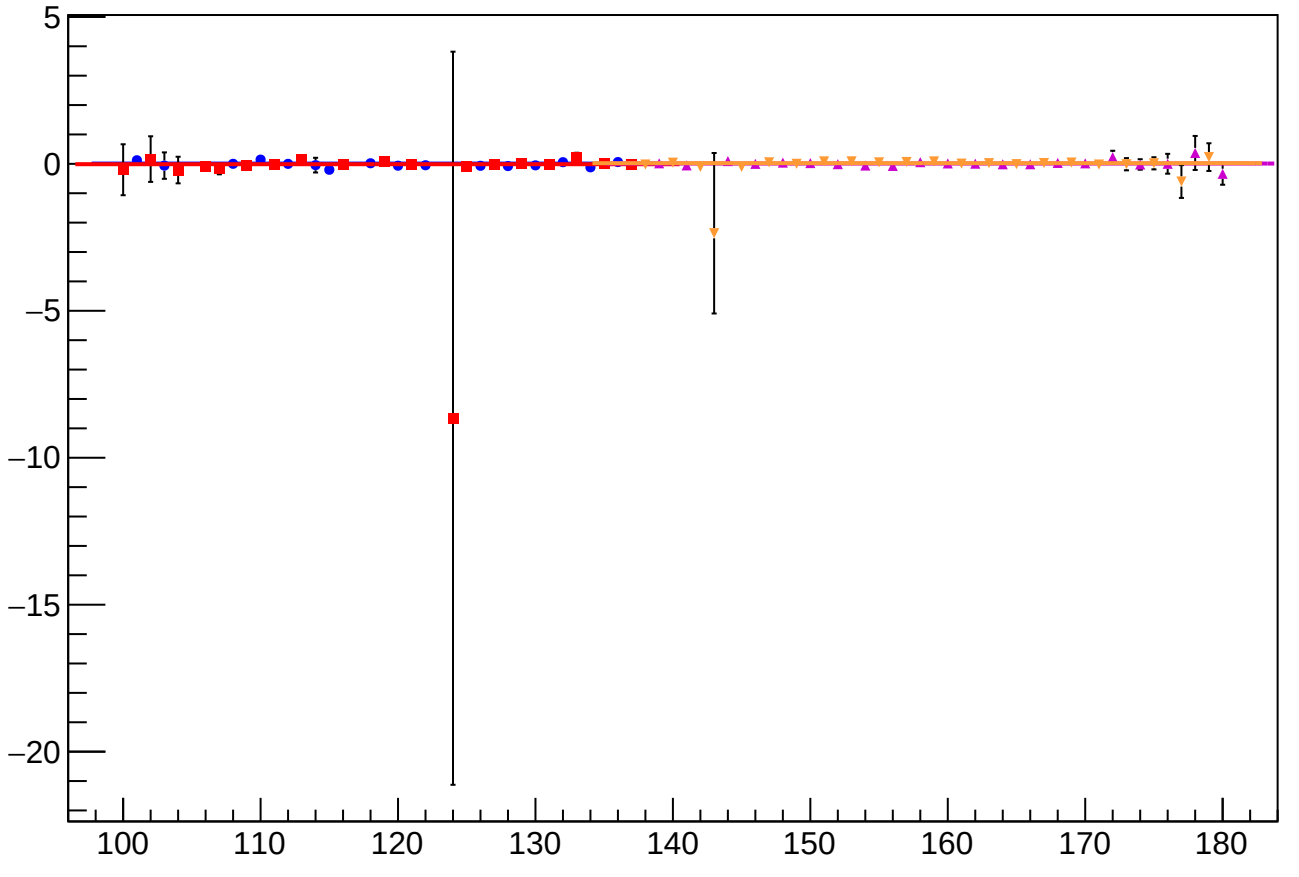
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

+ sign 35.006+/-0.006 χ^2/NDF: 10599904.4/37

All: 34.565+/-0.004 χ^2/NDF: 22408733.7/77

- 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:19.6/21

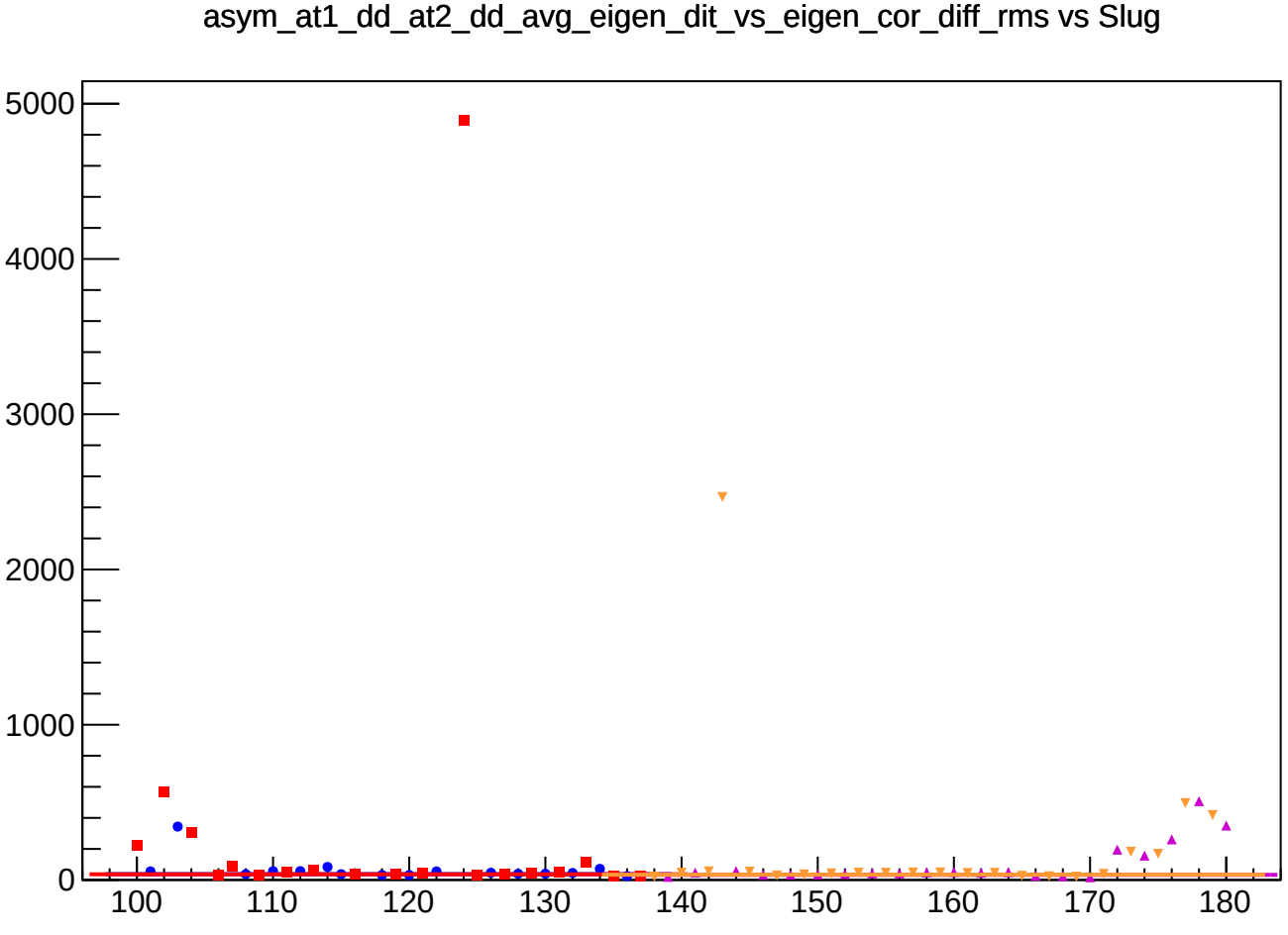
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:13.1/20

+ sign 0.019+/-0.009 χ^2/NDF: 39.4/37

All: 0.011+/-0.006 χ^2/NDF: 67.9/77

- 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: 34.001+/-0.007 χ^2/NDF:8549446.2/21

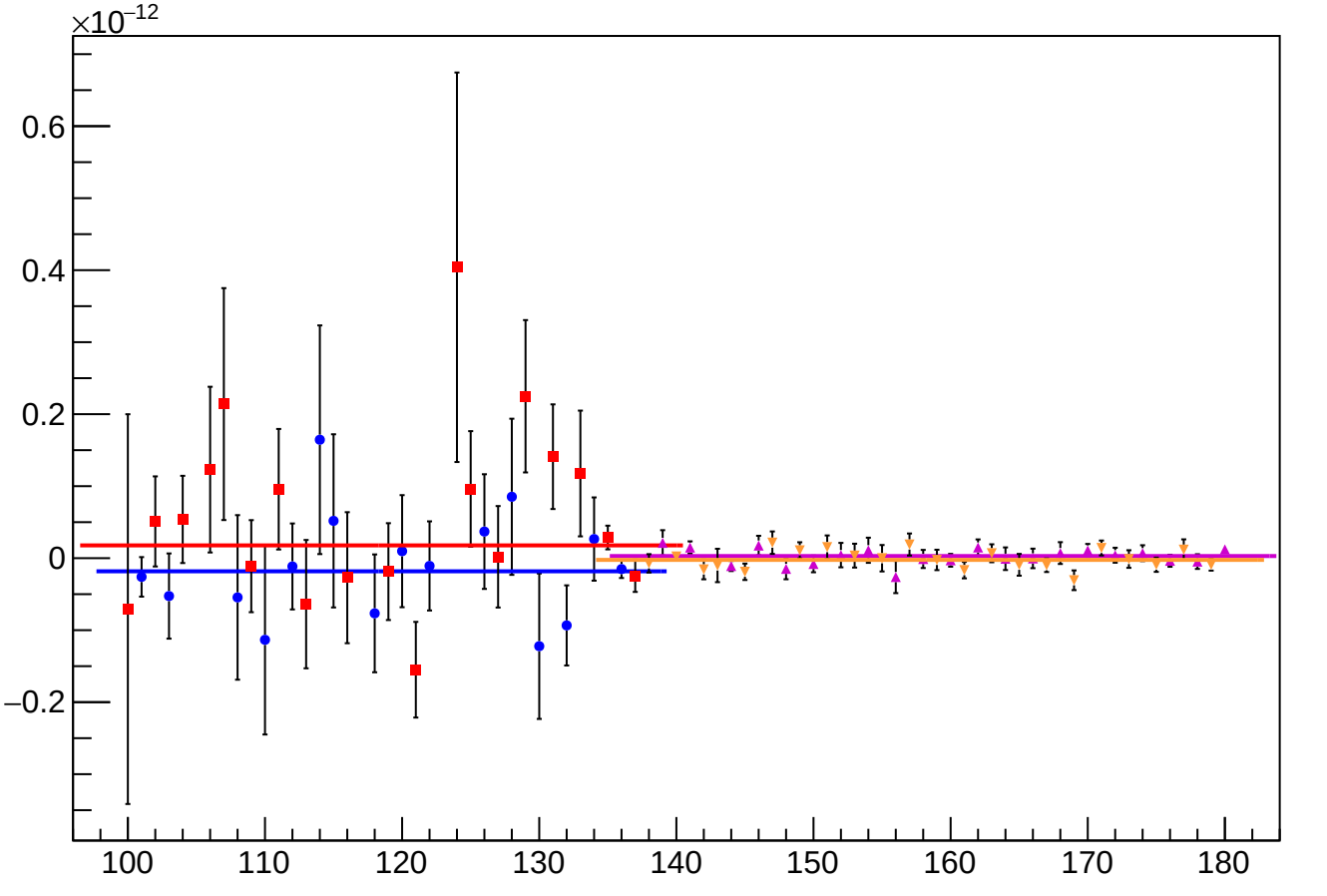
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

+ sign 35.006+/-0.006 χ^2/NDF: 10599904.4/37

All: 34.565+/-0.004 χ^2/NDF: 22408733.7/77

- 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:22.7/21

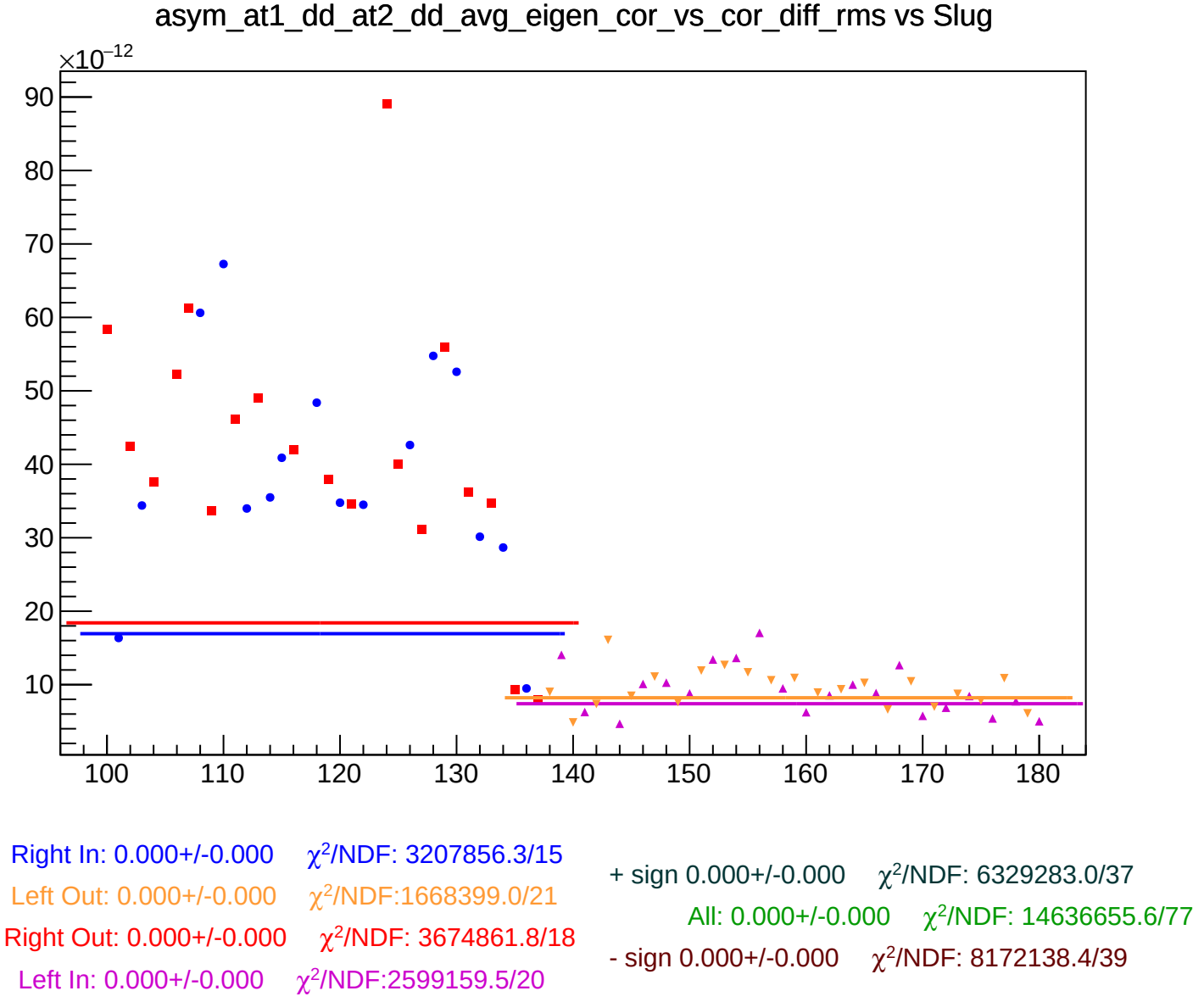
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/20

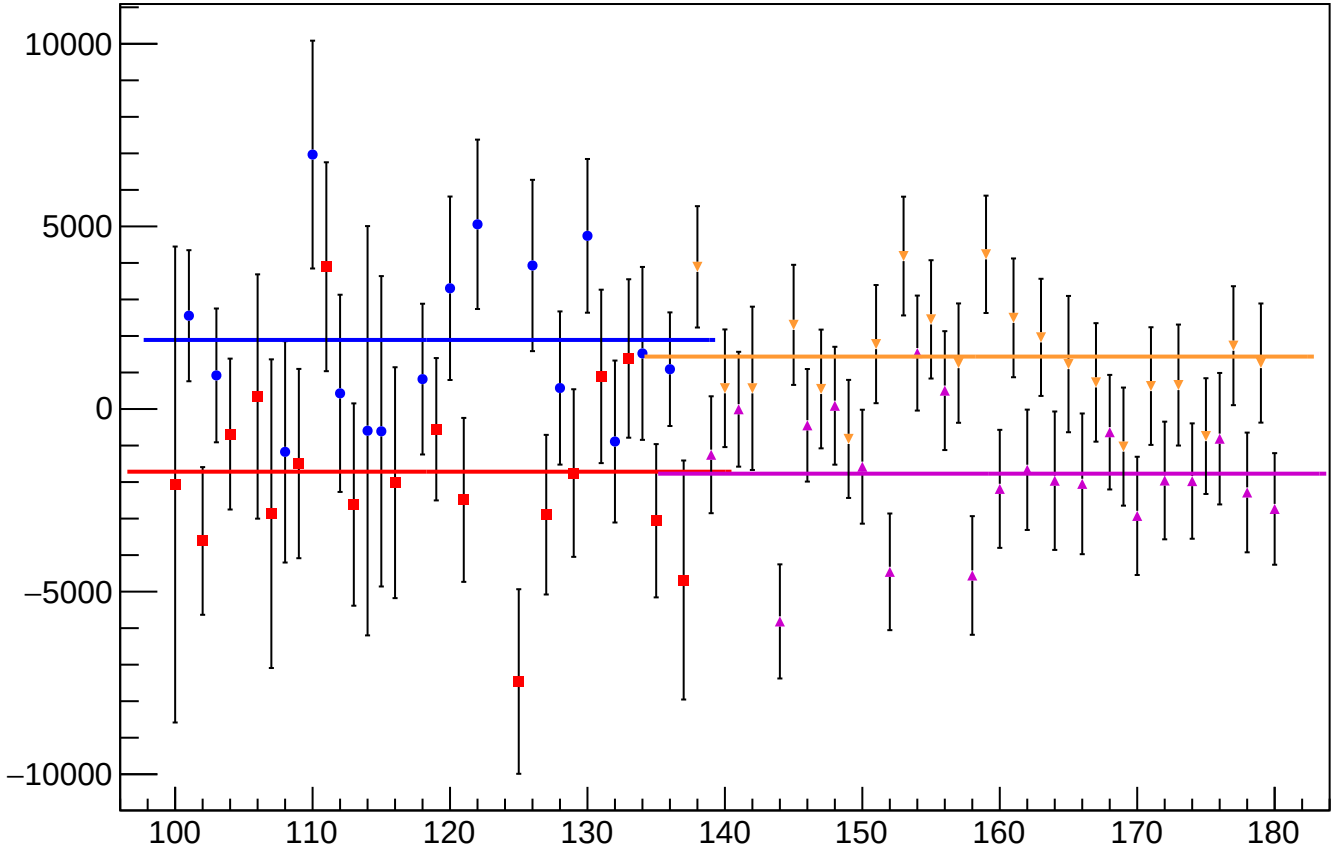
+ sign -0.000+/-0.000 χ^2/NDF: 33.4/37

All: 0.000+/-0.000 χ^2/NDF: 85.0/77

- 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
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1668399.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2599159.5/20
+ sign 0.000+/-0.000 χ²/NDF: 6329283.0/37
All: 0.000+/-0.000 χ²/NDF: 14636655.6/77
- 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: 1435.922+/-360.389 χ^2/NDF:17.0/20

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

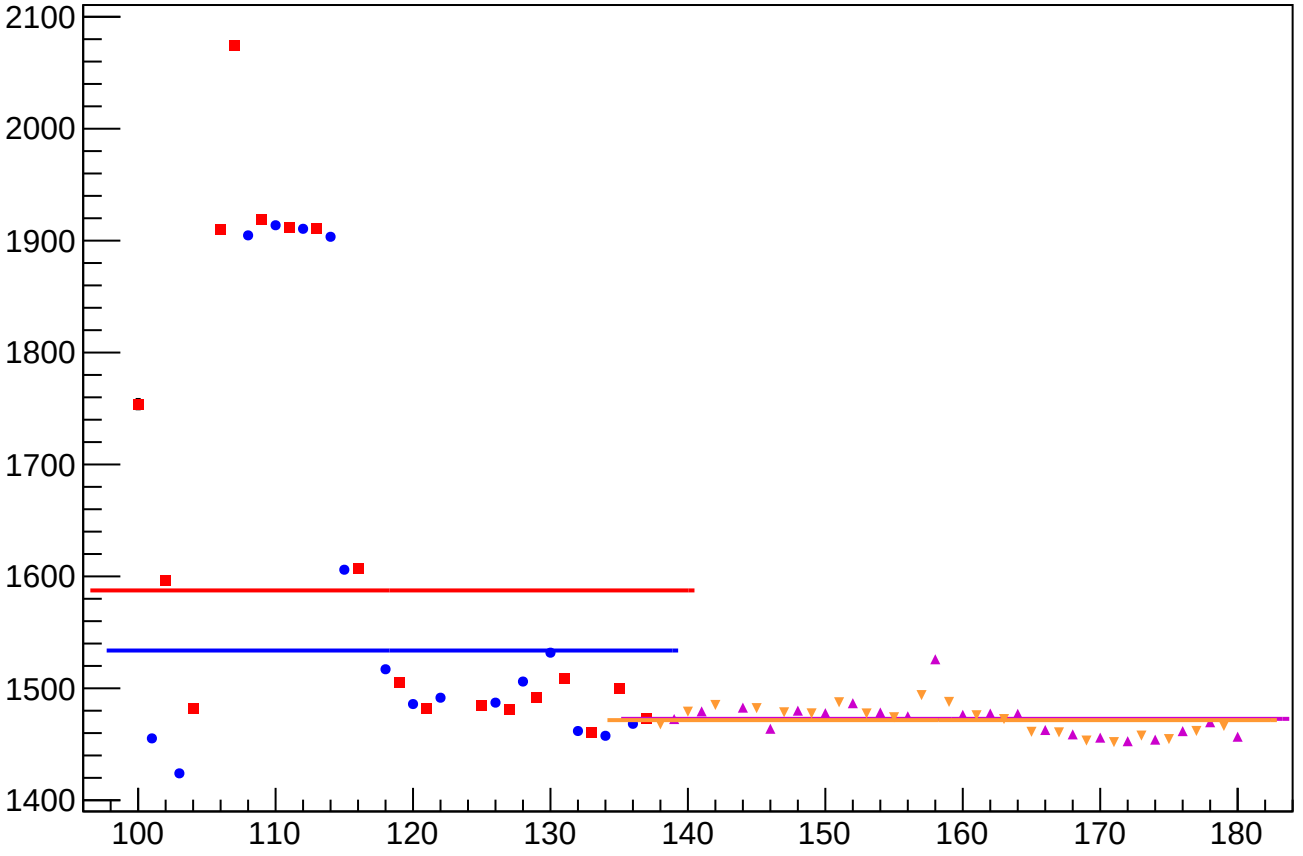
Left In: -1770.253+/-354.554 χ^2/NDF:24.2/20

+ sign 1565.288+/-304.952 χ^2/NDF: 29.6/36

All: -101.356+/-215.238 χ^2/NDF: 129.4/75

- 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: 1471.576+/-0.255 χ^2/NDF:2264.0/20

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

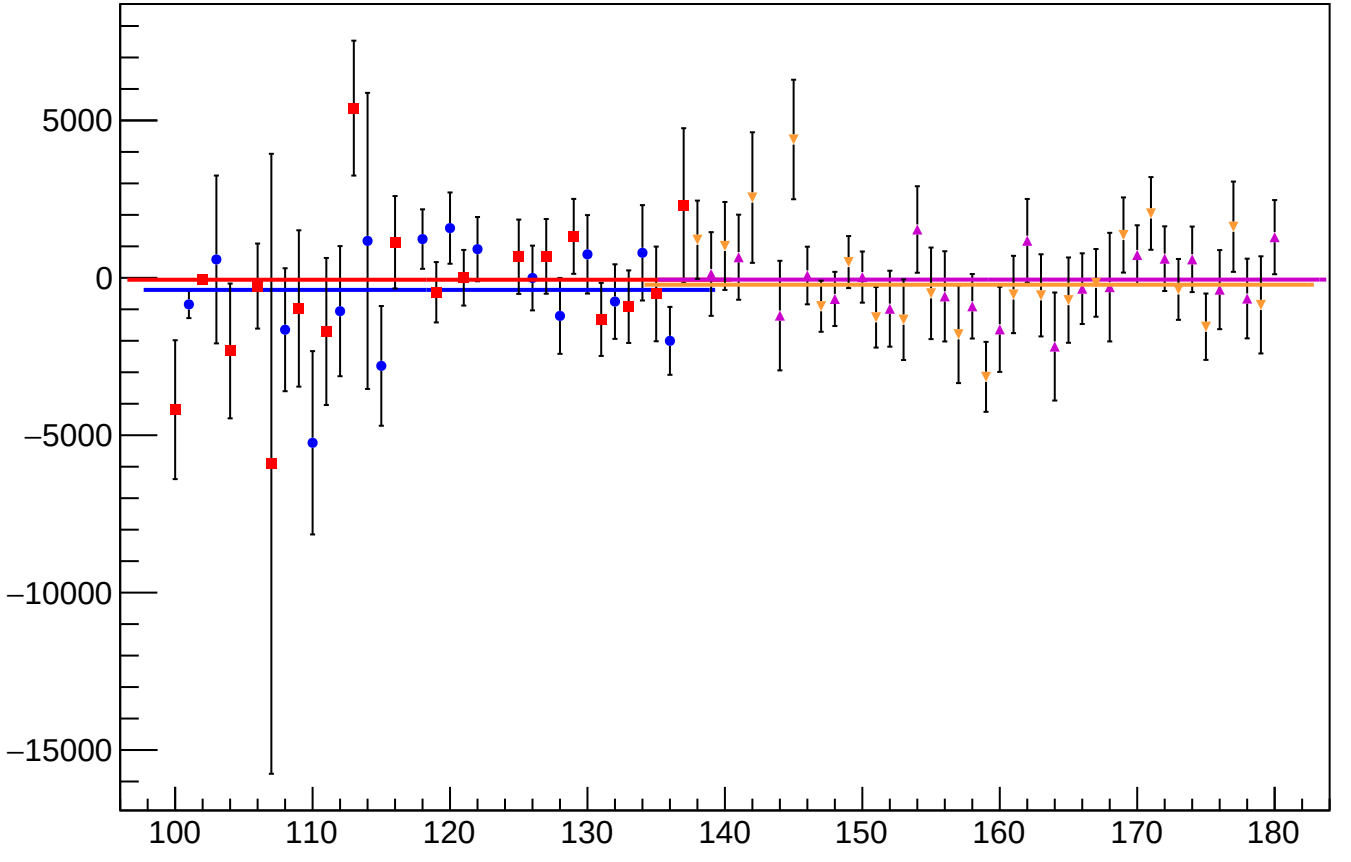
Left In: 1472.721+/-0.251 χ^2/NDF:3923.2/20

+ sign 1489.239+/-0.216 χ^2/NDF: 148451.3/36

All: 1496.245+/-0.152 χ^2/NDF: 382105.8/75

- sign 1503.200+/-0.215 χ^2/NDF: 231551.0/38

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -218.758+/-258.001 χ^2/NDF:30.5/20

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

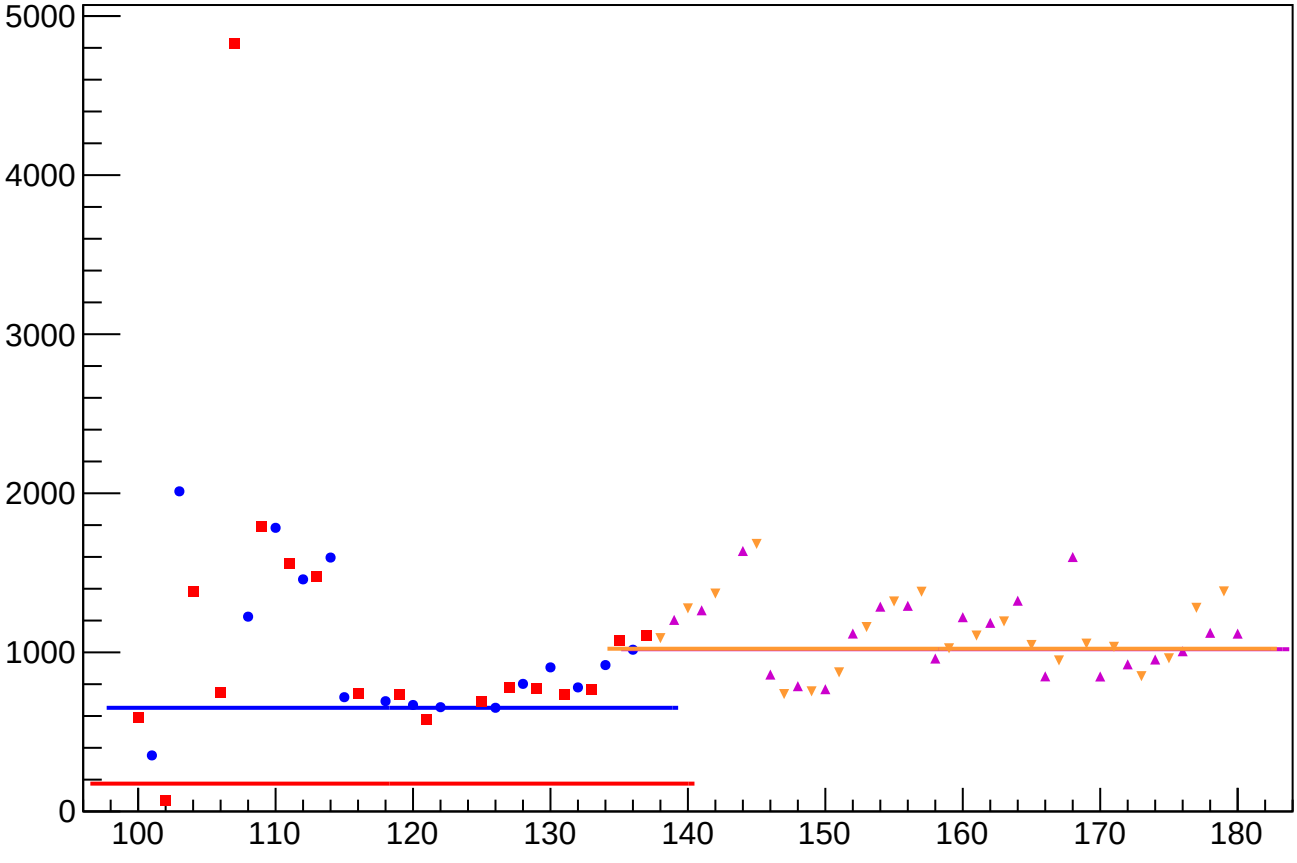
Left In: -56.023+/-252.324 χ^2/NDF:11.0/20

+ sign -296.381+/-187.256 χ^2/NDF: 48.9/36

All: -123.261+/-97.337 χ^2/NDF: 78.8/75

- 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: 1022.872+/-0.182 χ^2/NDF:1384023.4/20

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

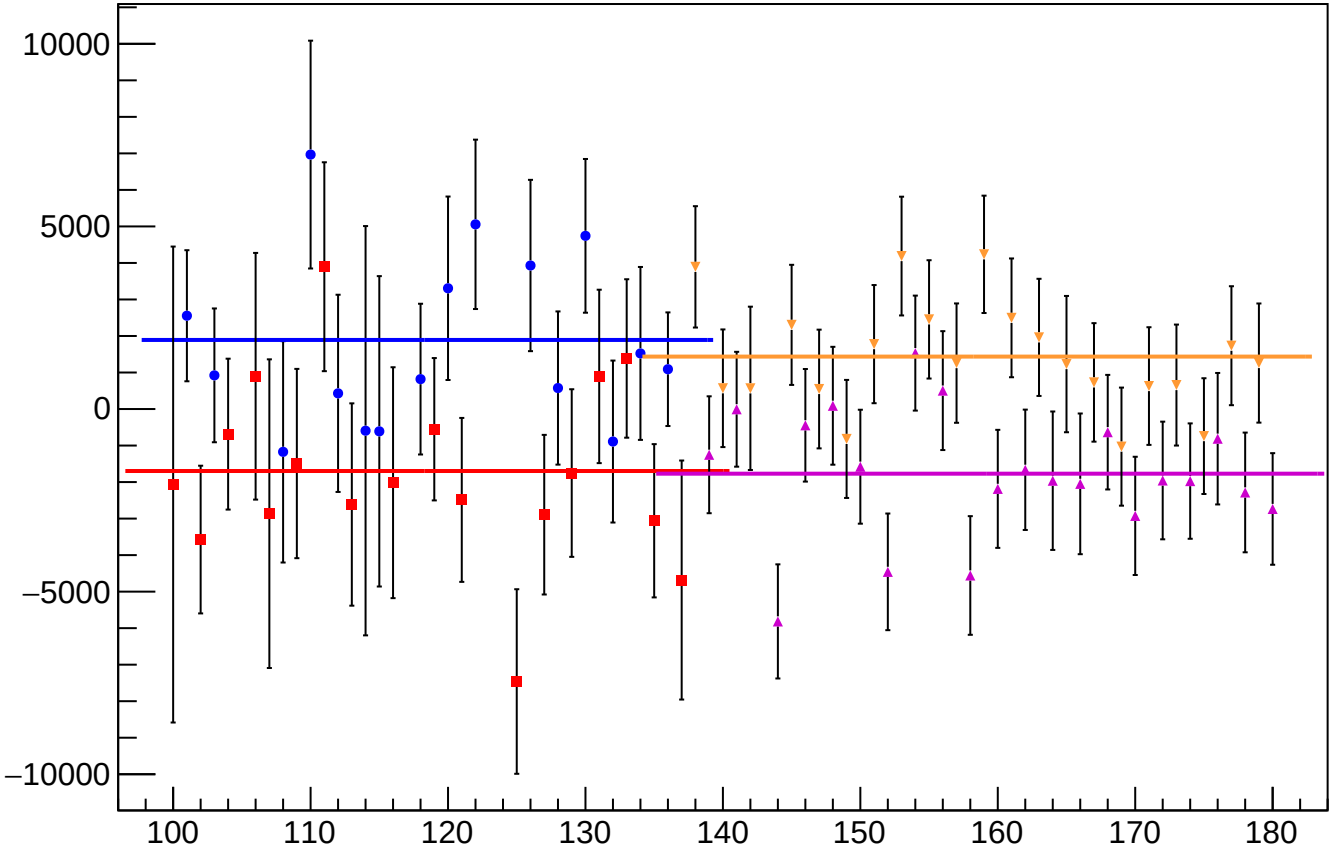
Left In: 1019.764+/-0.178 χ^2/NDF:1449953.4/20

+ sign 847.142+/-0.132 χ^2/NDF: 6107411.6/36

All: 482.263+/-0.069 χ^2/NDF: 45574388.6/75

- 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: 1435.917+/-360.389 χ^2/NDF:17.0/20

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

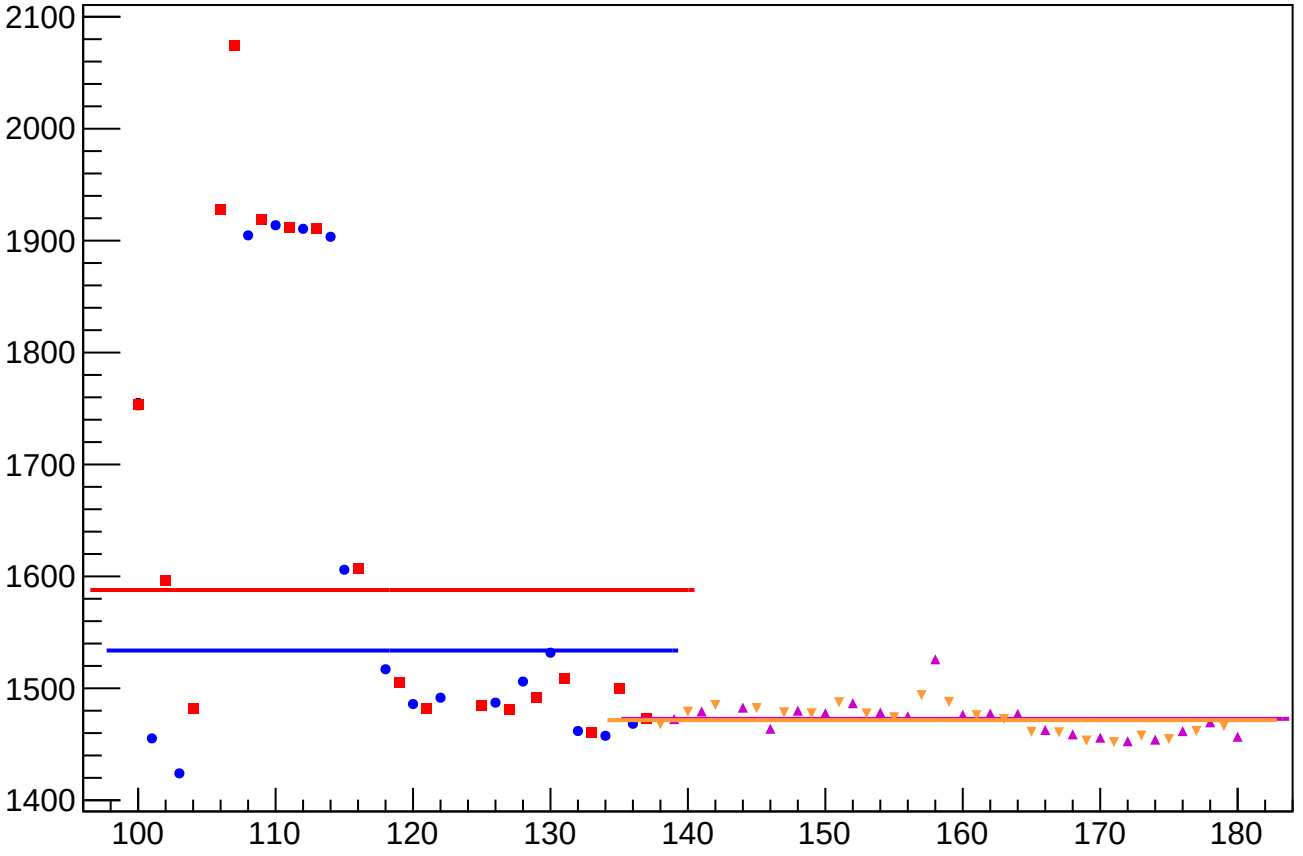
Left In: -1770.314+/-354.554 χ^2/NDF:24.2/20

+ sign 1565.315+/-304.952 χ^2/NDF: 29.6/36

All: -98.712+/-215.247 χ^2/NDF: 129.4/75

- 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: 1471.576+/-0.255 χ^2/NDF:2264.0/20

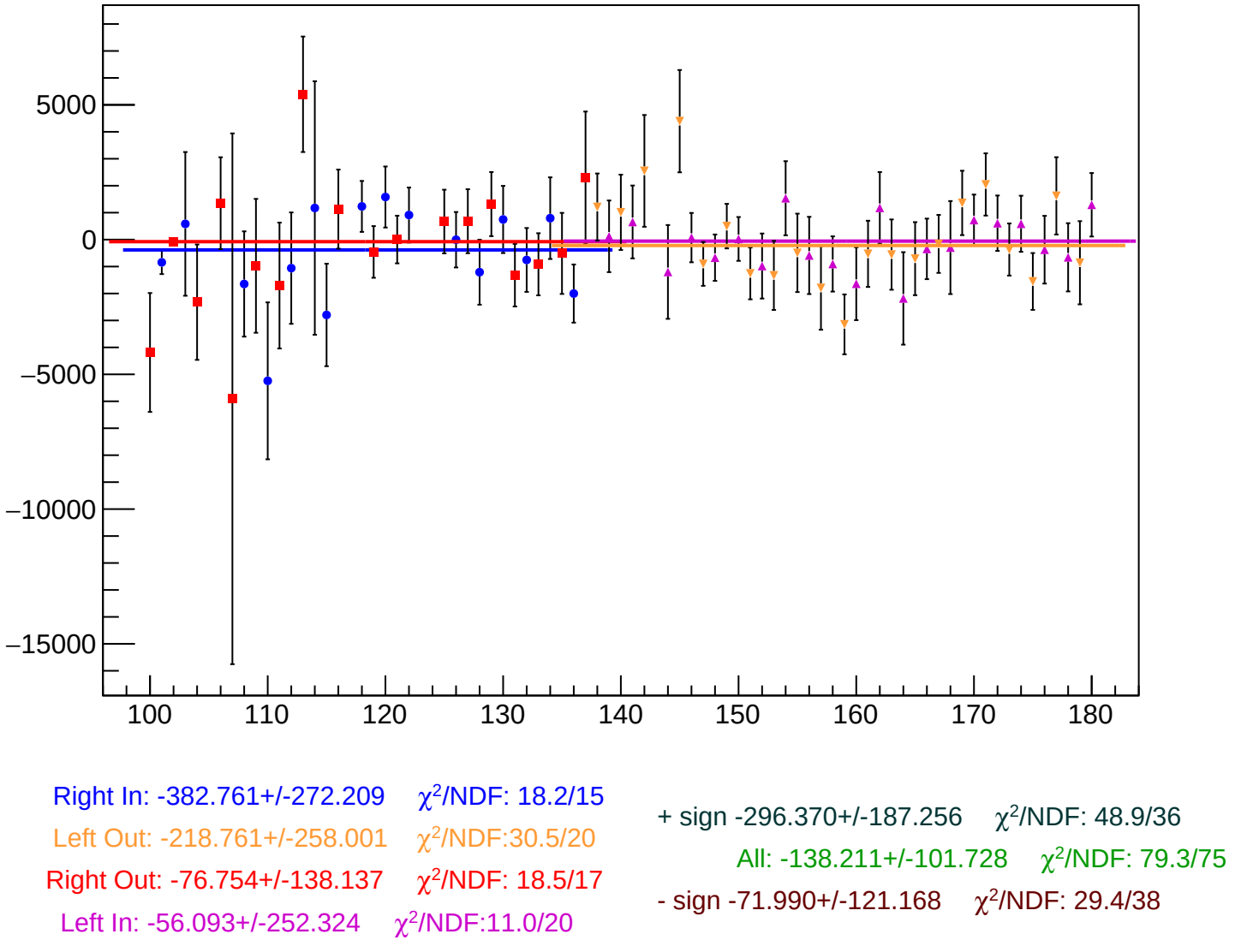
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1472.721+/-0.251 χ^2/NDF:3923.2/20

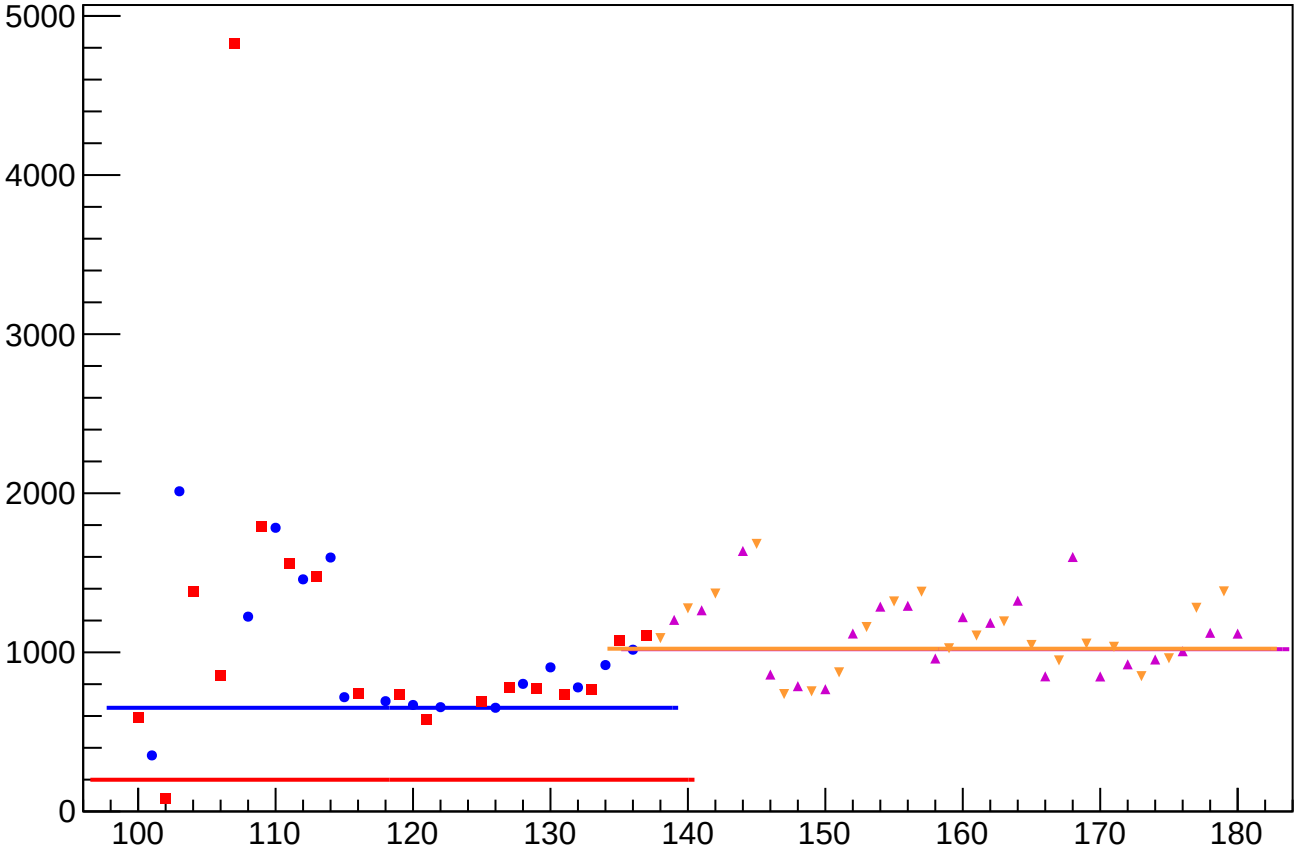
+ sign 1489.239+/-0.216 χ^2/NDF: 148451.3/36

All: 1496.289+/-0.152 χ^2/NDF: 384259.6/75

- sign 1503.288+/-0.215 χ^2/NDF: 233678.3/38


asym_usl_atl1_avg_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -382.761+/-272.209 χ²/NDF: 18.2/15
Left Out: -218.761+/-258.001 χ²/NDF:30.5/20
Right Out: -76.754+/-138.137 χ²/NDF: 18.5/17
Left In: -56.093+/-252.324 χ²/NDF:11.0/20
+ sign -296.370+/-187.256 χ²/NDF: 48.9/36
All: -138.211+/-101.728 χ²/NDF: 79.3/75
- sign -71.990+/-121.168 χ²/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: 1022.875+/-0.182 χ^2/NDF:1384042.6/20

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

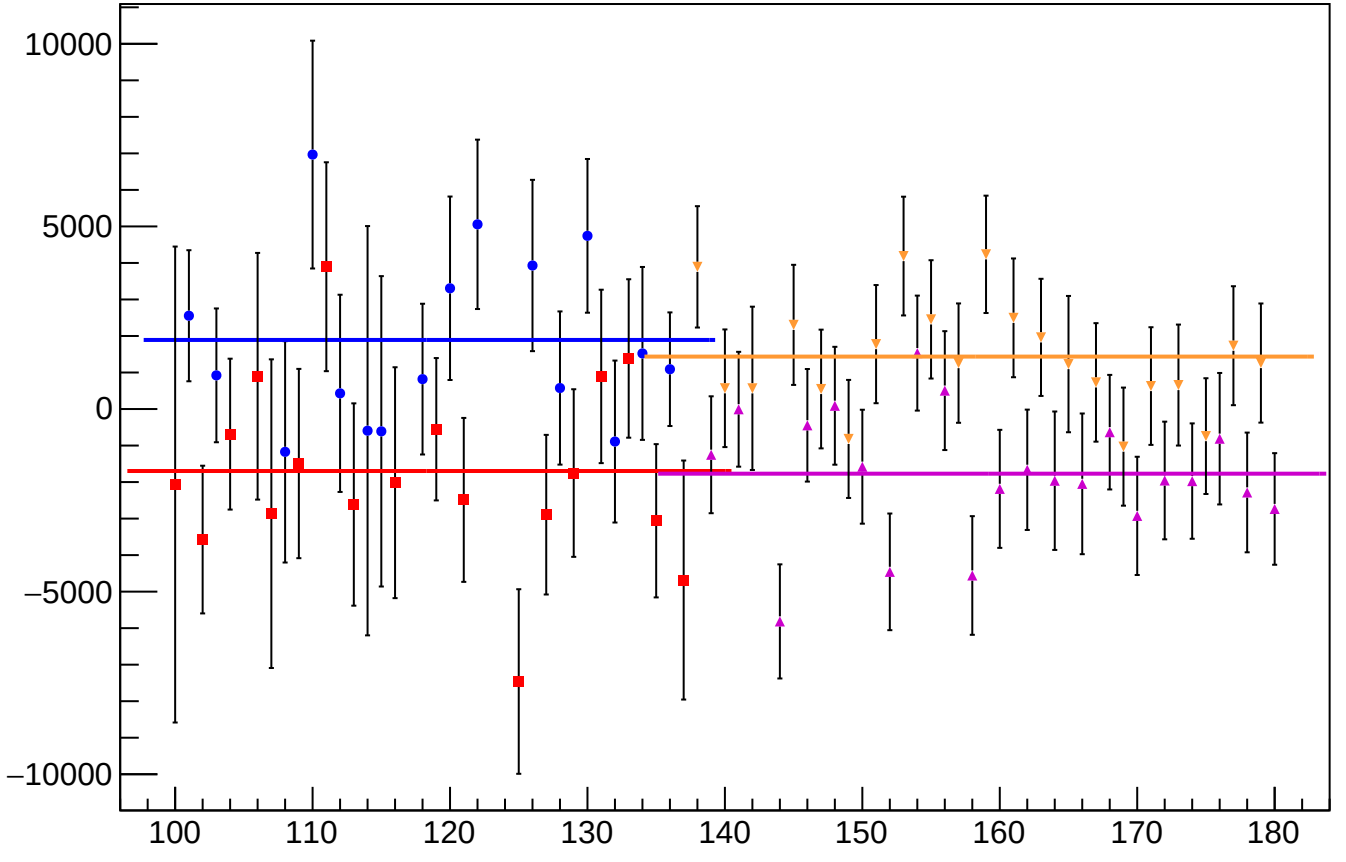
Left In: 1019.764+/-0.178 χ^2/NDF:1450036.2/20

+ sign 847.142+/-0.132 χ^2/NDF: 6107499.1/36

All: 523.881+/-0.072 χ^2/NDF: 41566305.3/75

- 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: 1435.917+/-360.389 χ^2/NDF:17.0/20

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

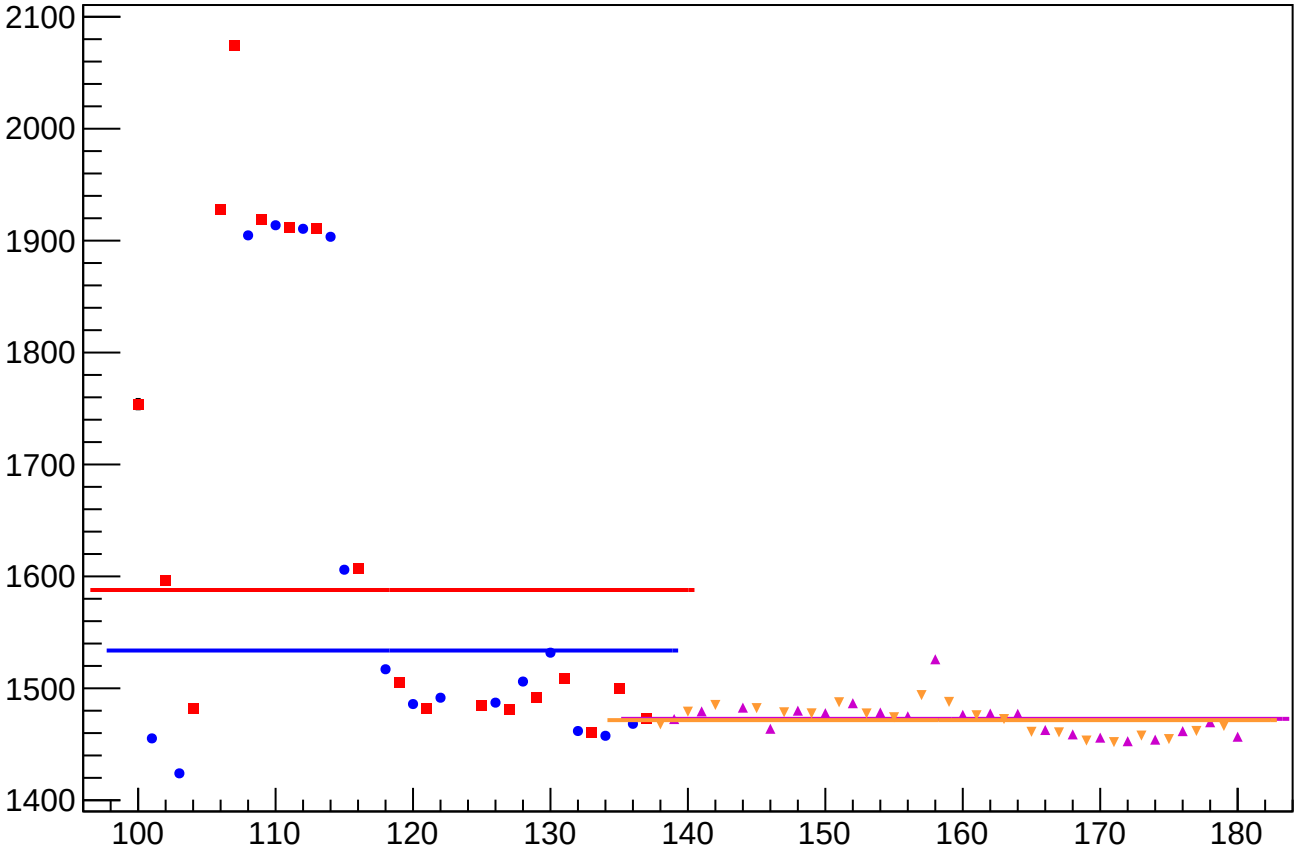
Left In: -1770.314+/-354.554 χ^2/NDF:24.2/20

+ sign 1565.315+/-304.952 χ^2/NDF: 29.6/36

All: -98.712+/-215.247 χ^2/NDF: 129.4/75

- 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: 1471.576+/-0.255 χ^2/NDF:2264.0/20

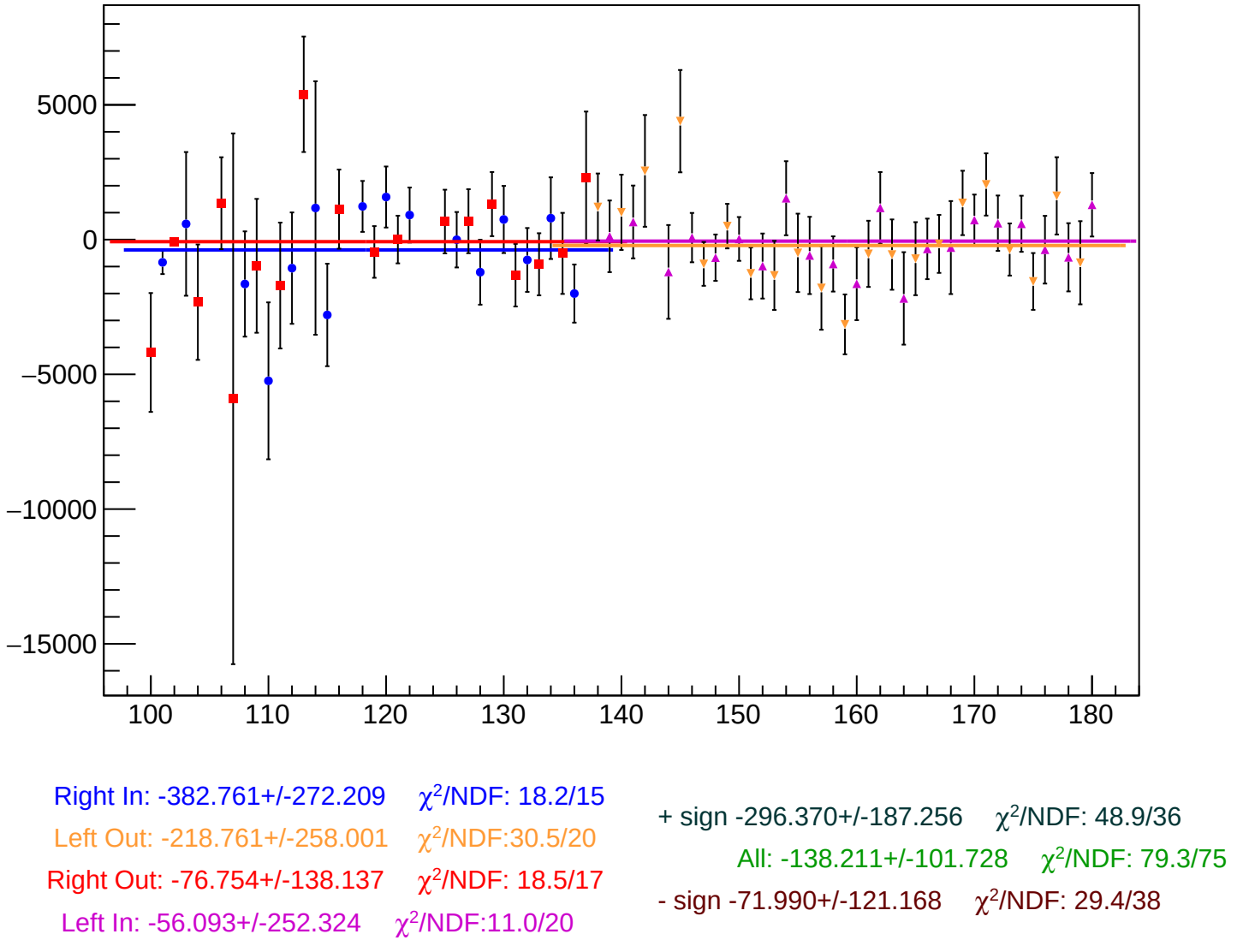
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

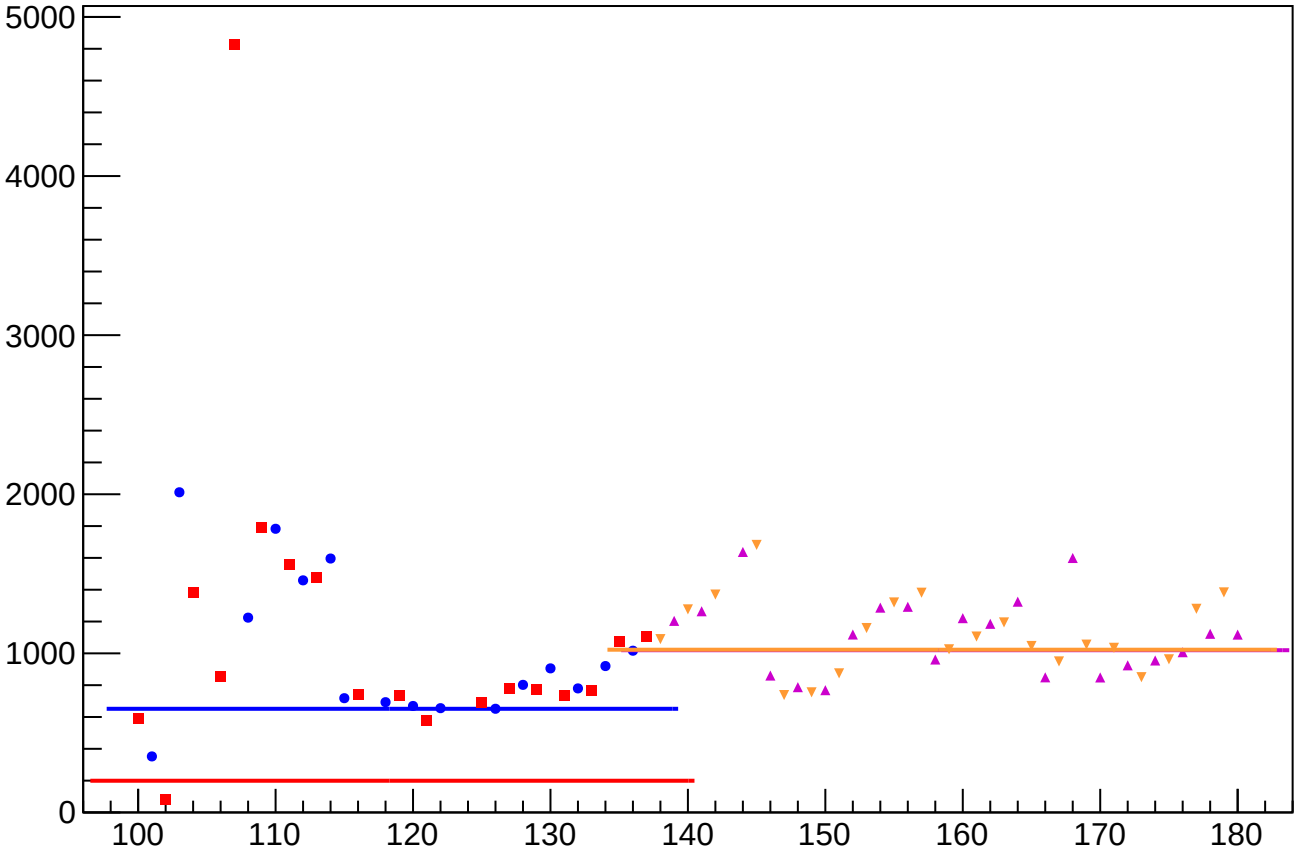
Left In: 1472.721+/-0.251 χ^2/NDF:3923.2/20

+ sign 1489.239+/-0.216 χ^2/NDF: 148451.3/36

All: 1496.289+/-0.152 χ^2/NDF: 384259.6/75

- sign 1503.288+/-0.215 χ^2/NDF: 233678.3/38


asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -382.761+/-272.209 χ²/NDF: 18.2/15
Left Out: -218.761+/-258.001 χ²/NDF:30.5/20
Right Out: -76.754+/-138.137 χ²/NDF: 18.5/17
Left In: -56.093+/-252.324 χ²/NDF:11.0/20
+ sign -296.370+/-187.256 χ²/NDF: 48.9/36
All: -138.211+/-101.728 χ²/NDF: 79.3/75
- sign -71.990+/-121.168 χ²/NDF: 29.4/38



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.875+/-0.182 χ^2/NDF:1384042.6/20

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

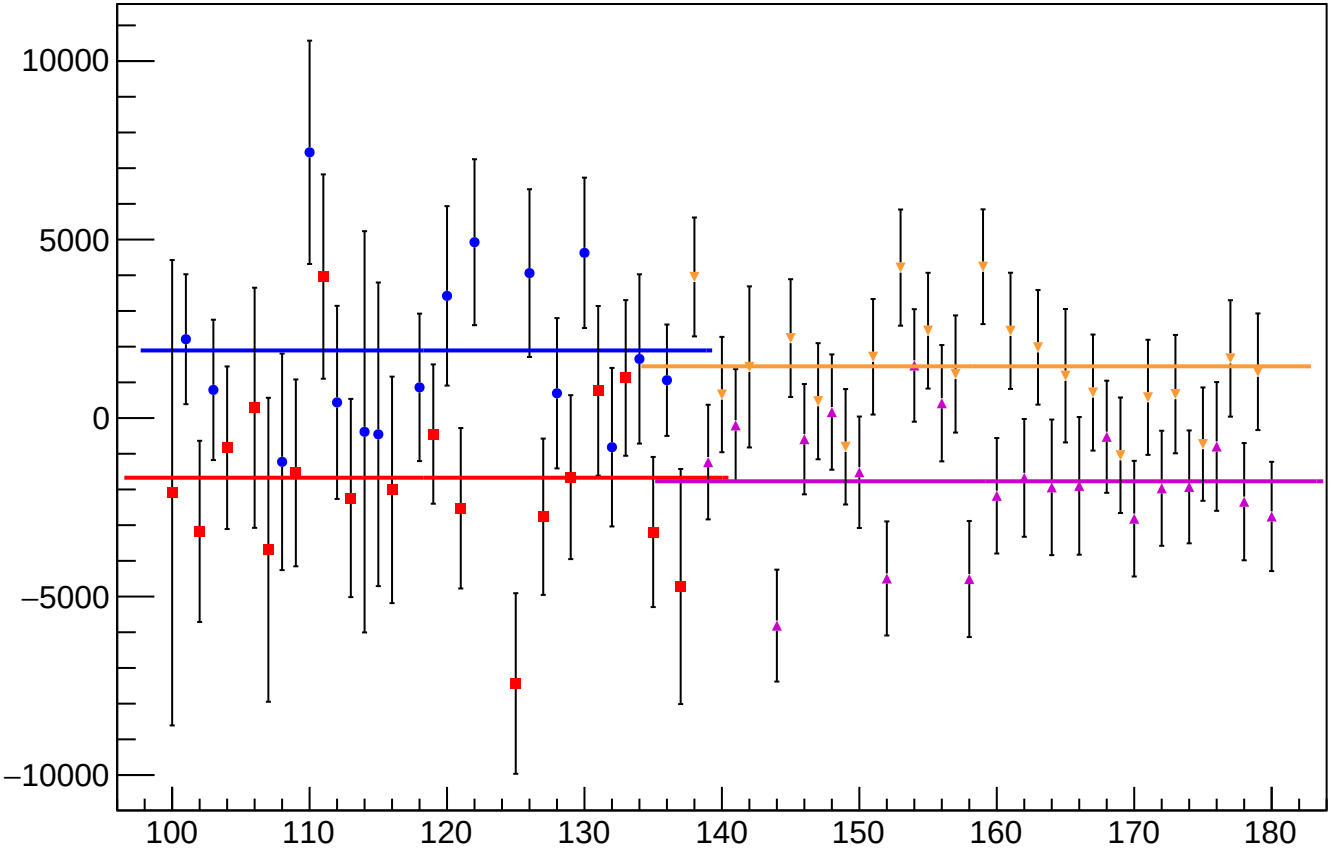
Left In: 1019.764+/-0.178 χ^2/NDF:1450036.2/20

+ sign 847.142+/-0.132 χ^2/NDF: 6107499.1/36

All: 523.881+/-0.072 χ^2/NDF: 41566305.3/75

- 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: 1449.491+/-360.984 χ^2/NDF:16.9/20

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

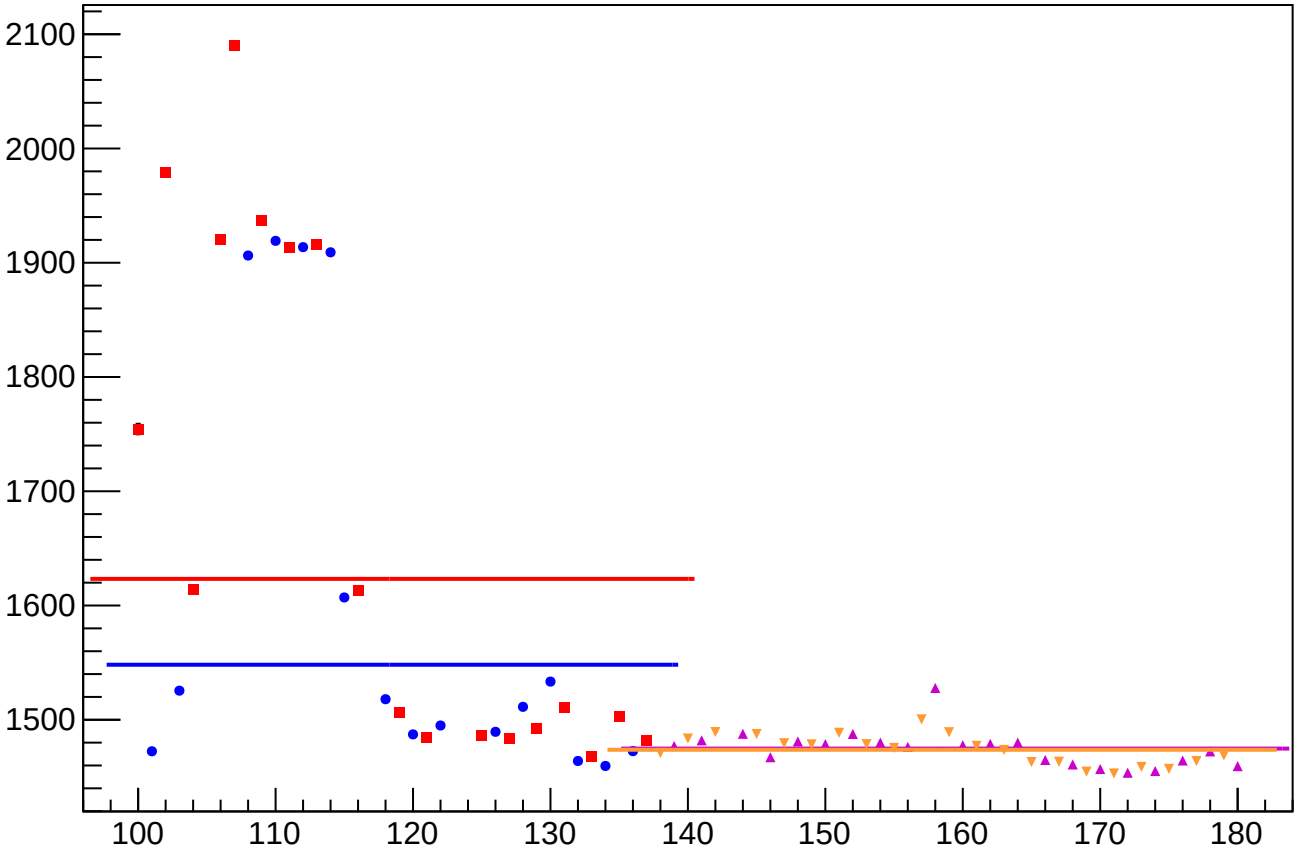
Left In: -1770.952+/-355.057 χ^2/NDF:23.6/20

+ sign 1574.384+/-306.122 χ^2/NDF: 29.6/36

All: -85.061+/-216.488 χ^2/NDF: 127.0/75

- 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: 1473.747+/-0.255 χ^2/NDF:2501.2/20

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

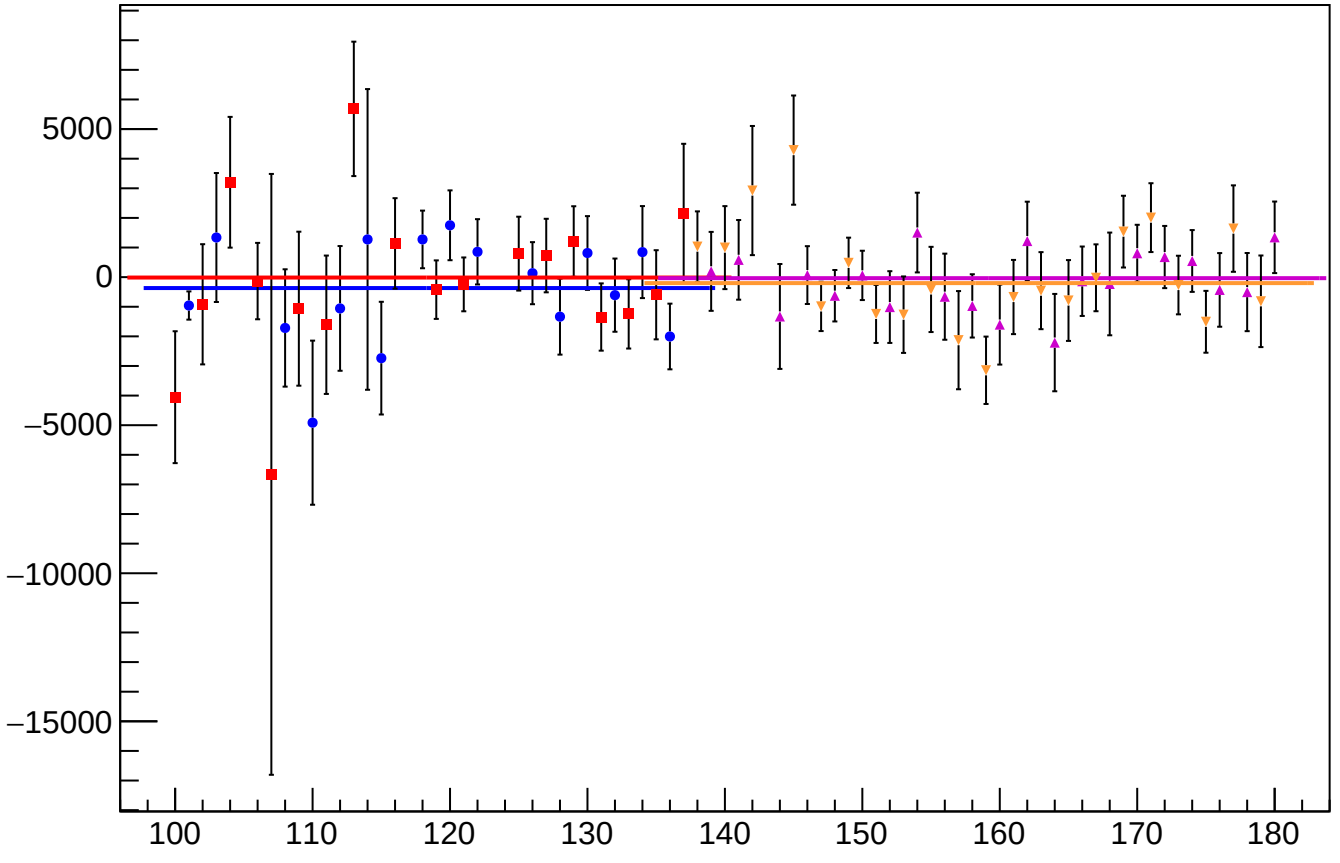
Left In: 1474.794+/-0.251 χ^2/NDF:3966.3/20

+ sign 1494.651+/-0.216 χ^2/NDF: 146284.6/36

All: 1503.754+/-0.153 χ^2/NDF: 455029.9/75

- sign 1512.862+/-0.217 χ^2/NDF: 305207.3/38

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -201.462+/-261.726 χ^2/NDF:30.6/20

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

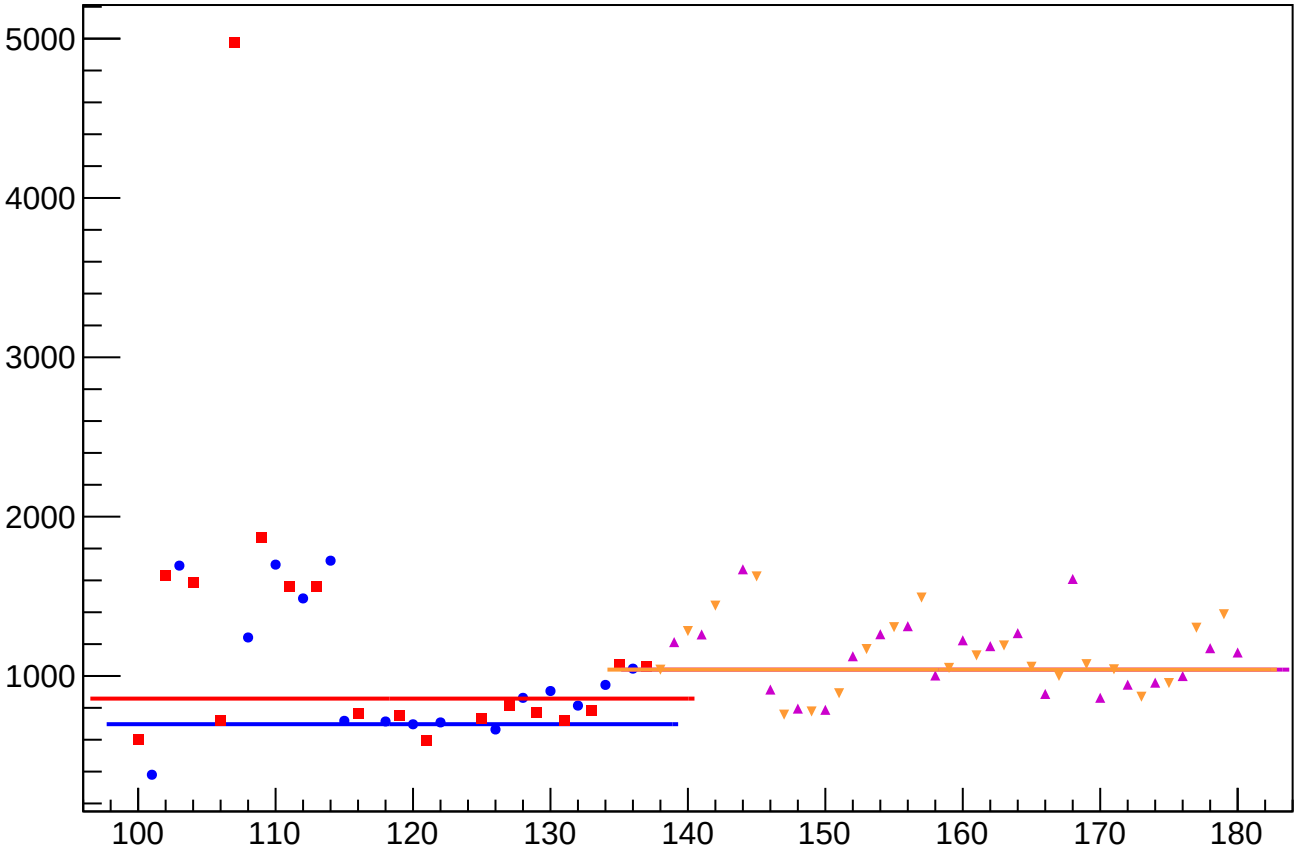
Left In: -34.598+/-256.560 χ^2/NDF:11.3/20

+ sign -277.521+/-193.258 χ^2/NDF: 49.7/36

All: -159.757+/-140.666 χ^2/NDF: 80.8/75

- 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: 1039.995+/-0.185 χ^2/NDF:1312591.3/20

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

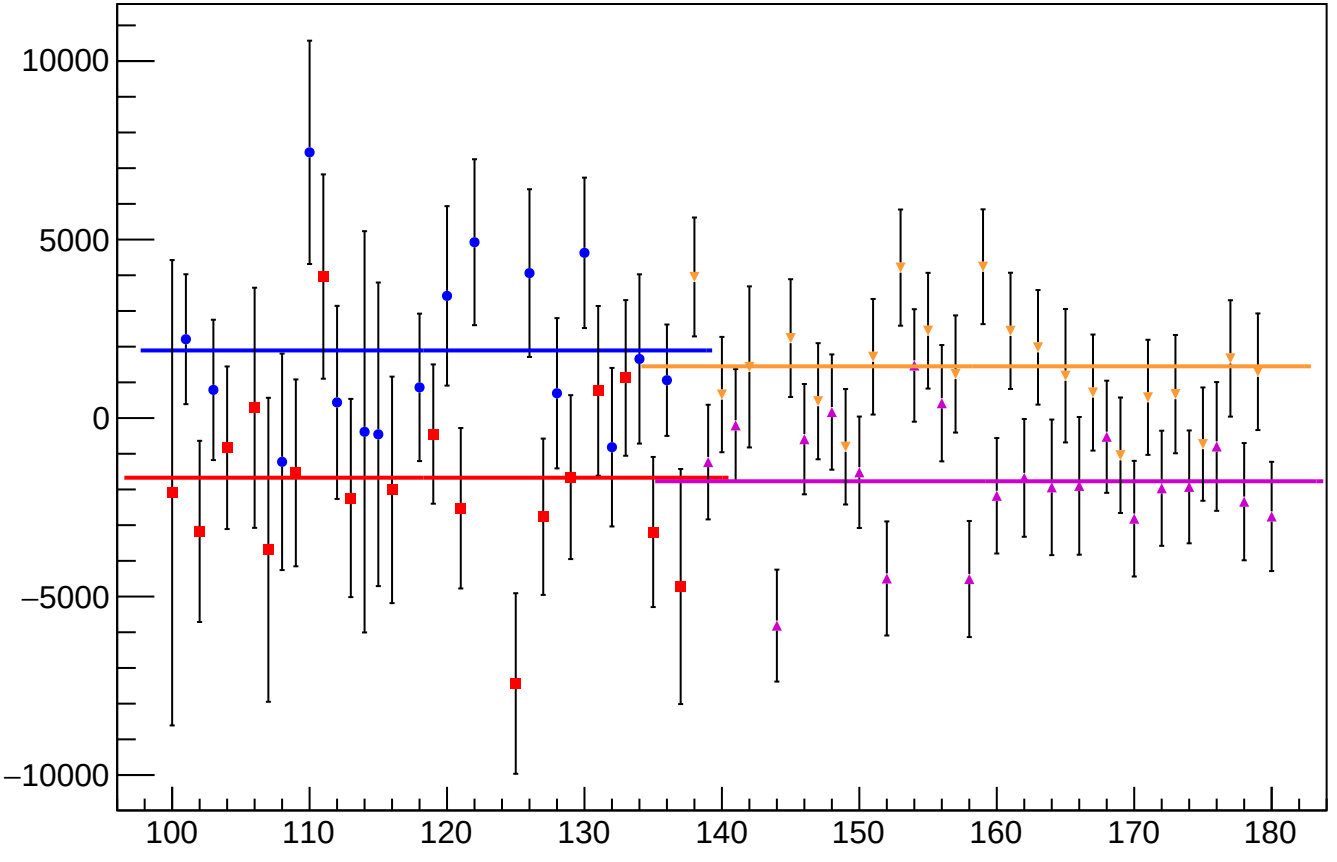
Left In: 1039.879+/-0.181 χ^2/NDF:1336266.4/20

+ sign 884.246+/-0.137 χ^2/NDF: 5305568.9/36

All: 926.595+/-0.099 χ^2/NDF: 9090404.0/75

- sign 974.311+/-0.145 χ^2/NDF: 3580584.6/38

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1449.490+/-360.984 χ^2/NDF:16.9/20

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

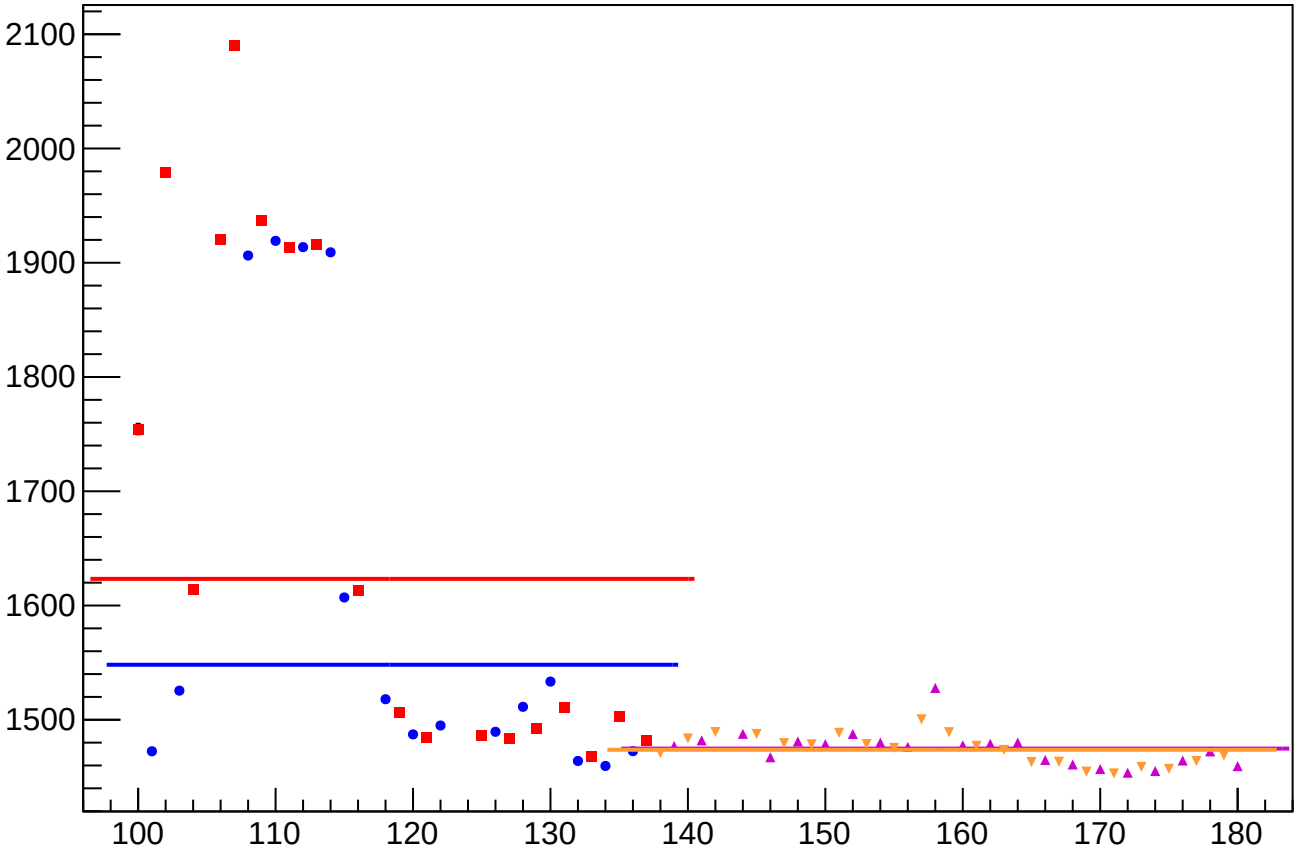
Left In: -1770.953+/-355.057 χ^2/NDF:23.6/20

+ sign 1574.382+/-306.122 χ^2/NDF: 29.6/36

All: -85.061+/-216.488 χ^2/NDF: 127.0/75

- sign -1745.319+/-306.197 χ^2/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: 1473.747+/-0.255 χ^2/NDF:2501.2/20

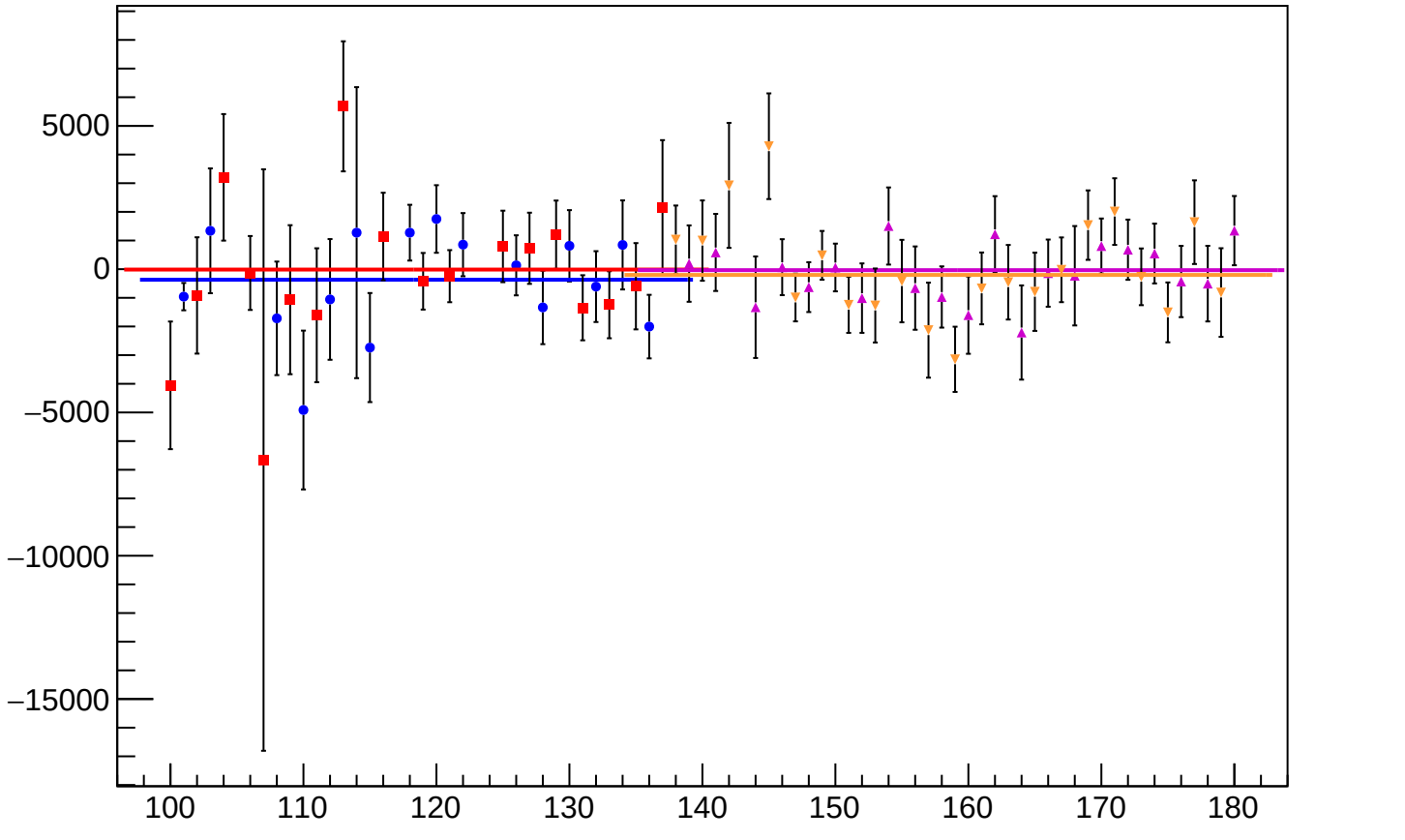
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1474.794+/-0.251 χ^2/NDF:3966.3/20

+ sign 1494.651+/-0.216 χ^2/NDF: 146284.5/36

All: 1503.754+/-0.153 χ^2/NDF: 455029.3/75

- 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: -201.464+/-261.726 χ^2/NDF:30.6/20

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

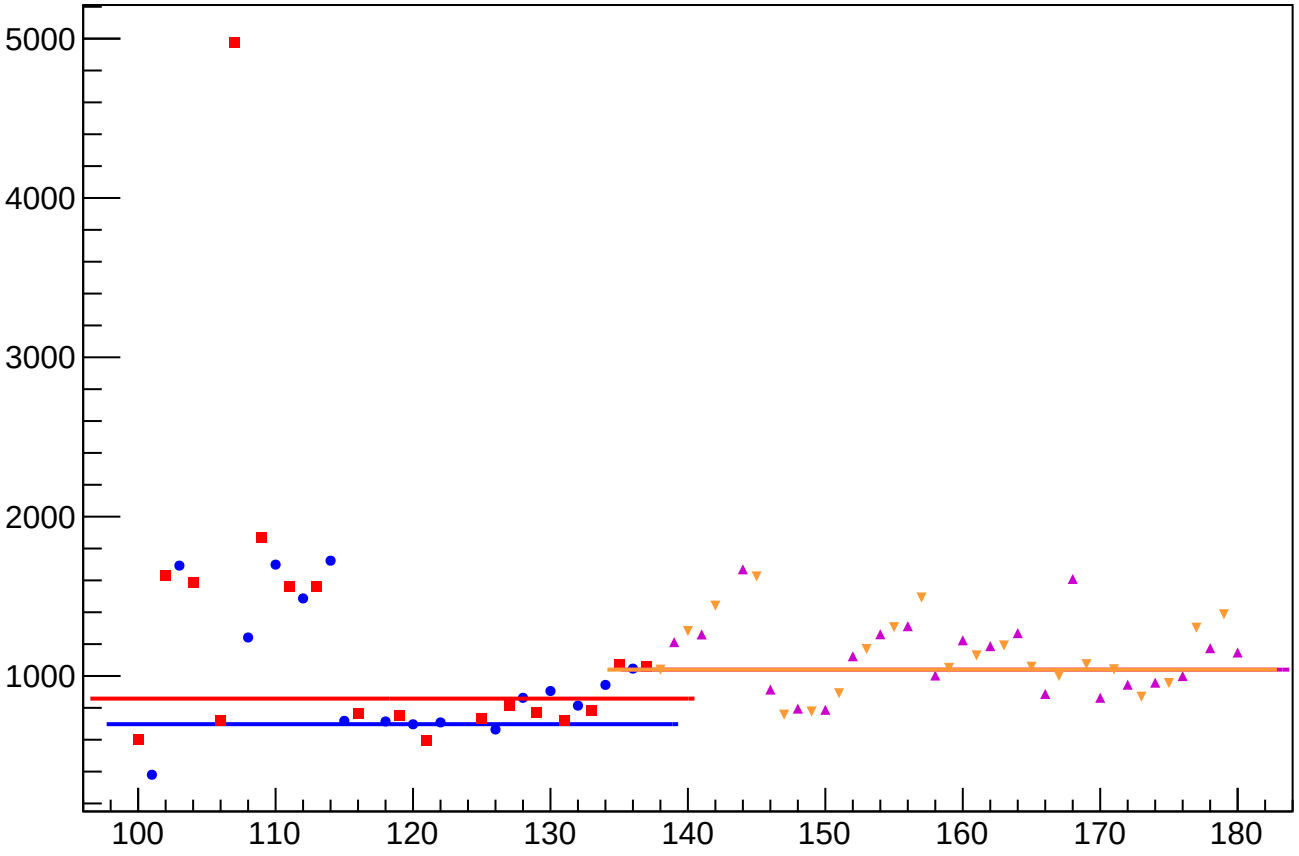
Left In: -34.598+/-256.561 χ^2/NDF:11.3/20

\+ sign -277.521+/-193.258 χ^2/NDF: 49.7/36

All: -159.758+/-140.666 χ^2/NDF: 80.8/75

\- 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: 1039.996+/-0.185 χ^2/NDF:1312589.4/20

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

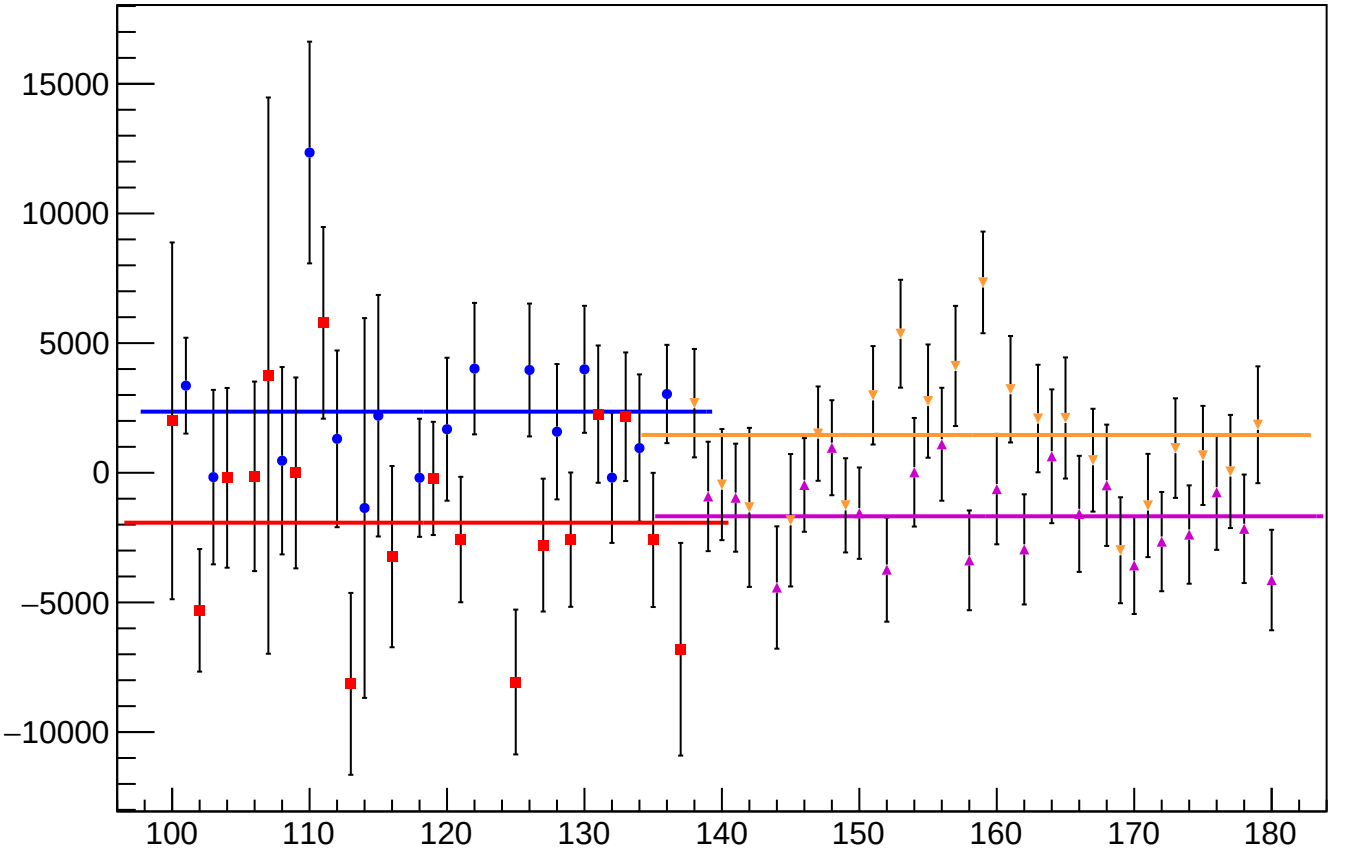
Left In: 1039.880+/-0.181 χ^2/NDF:1336262.7/20

+ sign 884.246+/-0.137 χ^2/NDF: 5305572.0/36

All: 926.596+/-0.099 χ^2/NDF: 9090423.9/75

- 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: 1457.922+/-455.096 χ^2/NDF:29.2/20

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

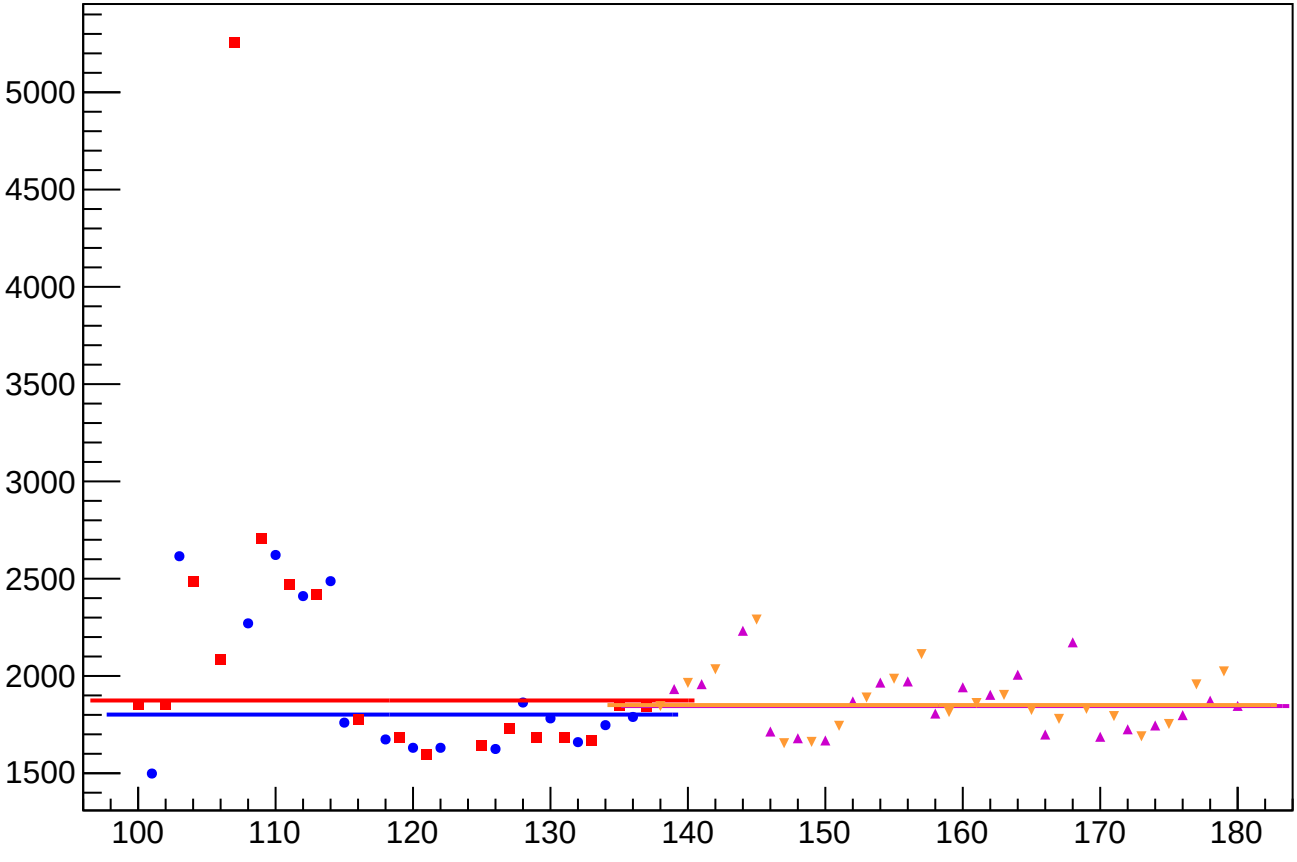
Left In: -1677.972+/-446.071 χ^2/NDF:13.2/20

+ sign 1736.647+/-378.028 χ^2/NDF: 41.4/36

All: -9.506+/-267.023 χ^2/NDF: 120.7/75

- 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: 1850.384+/-0.322 χ^2/NDF:199558.9/20

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

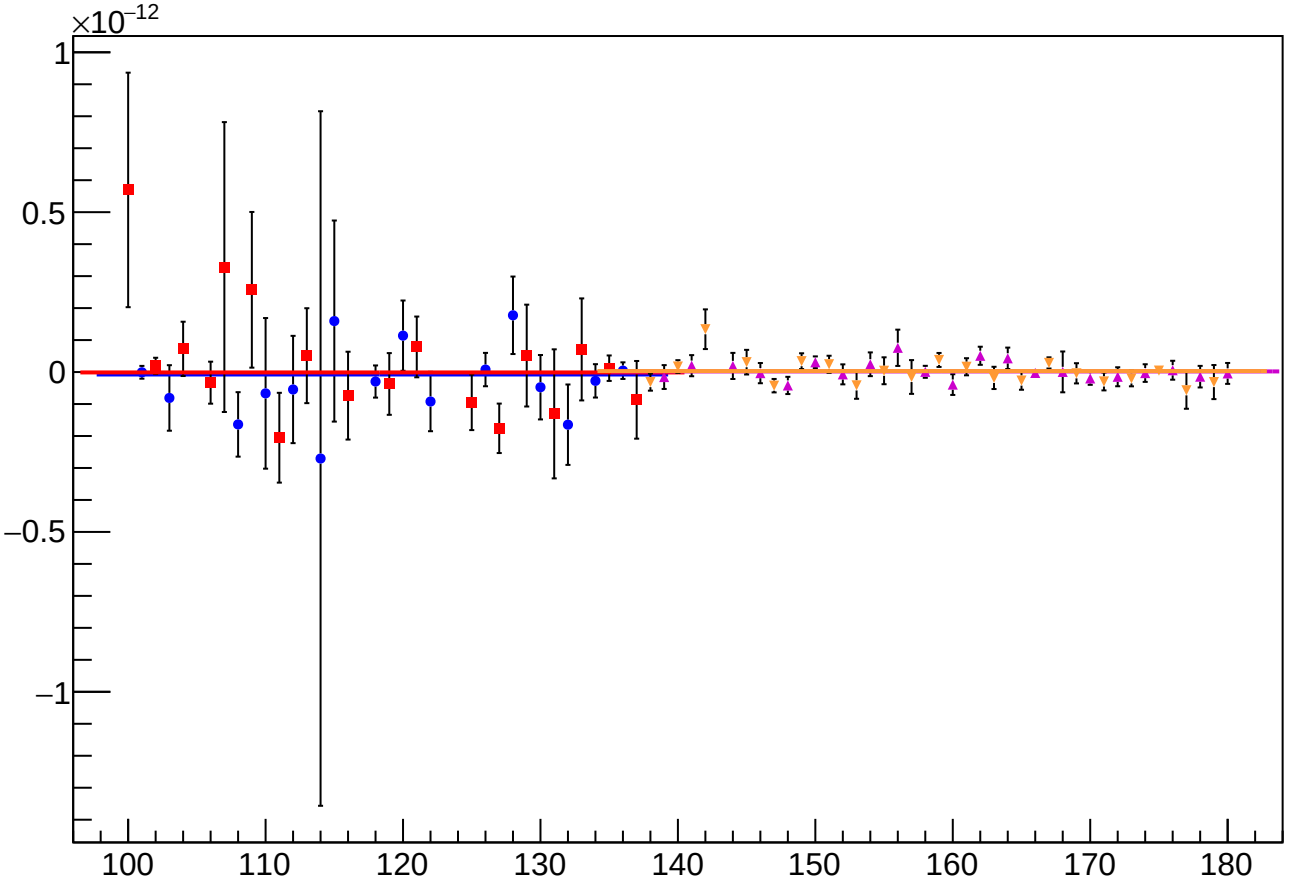
Left In: 1845.284+/-0.315 χ^2/NDF:214419.8/20

+ sign 1835.239+/-0.267 χ^2/NDF: 607407.0/36

All: 1844.367+/-0.189 χ^2/NDF: 1396420.2/75

- sign 1853.457+/-0.267 χ^2/NDF: 786685.8/38

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/20

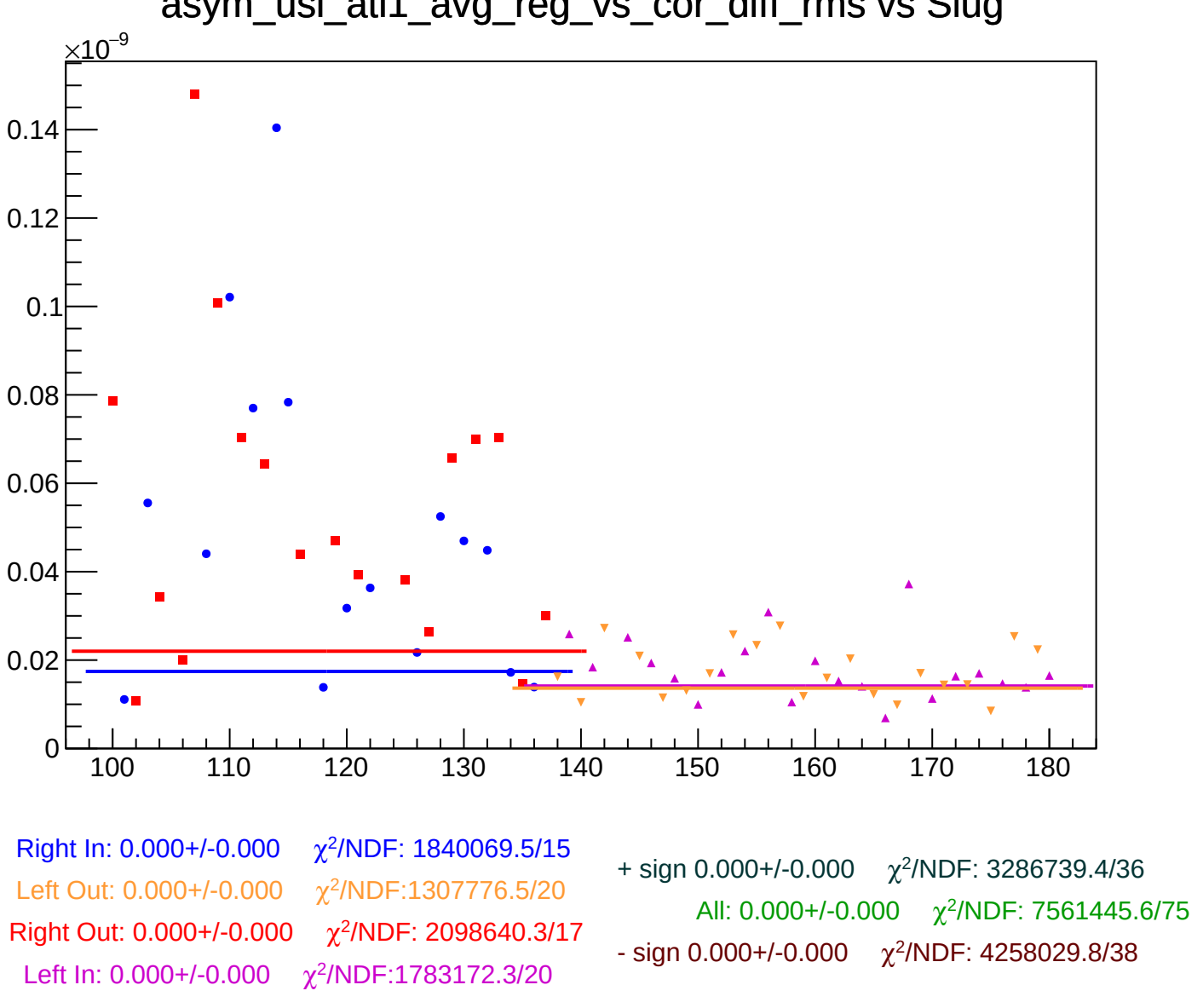
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:16.0/20

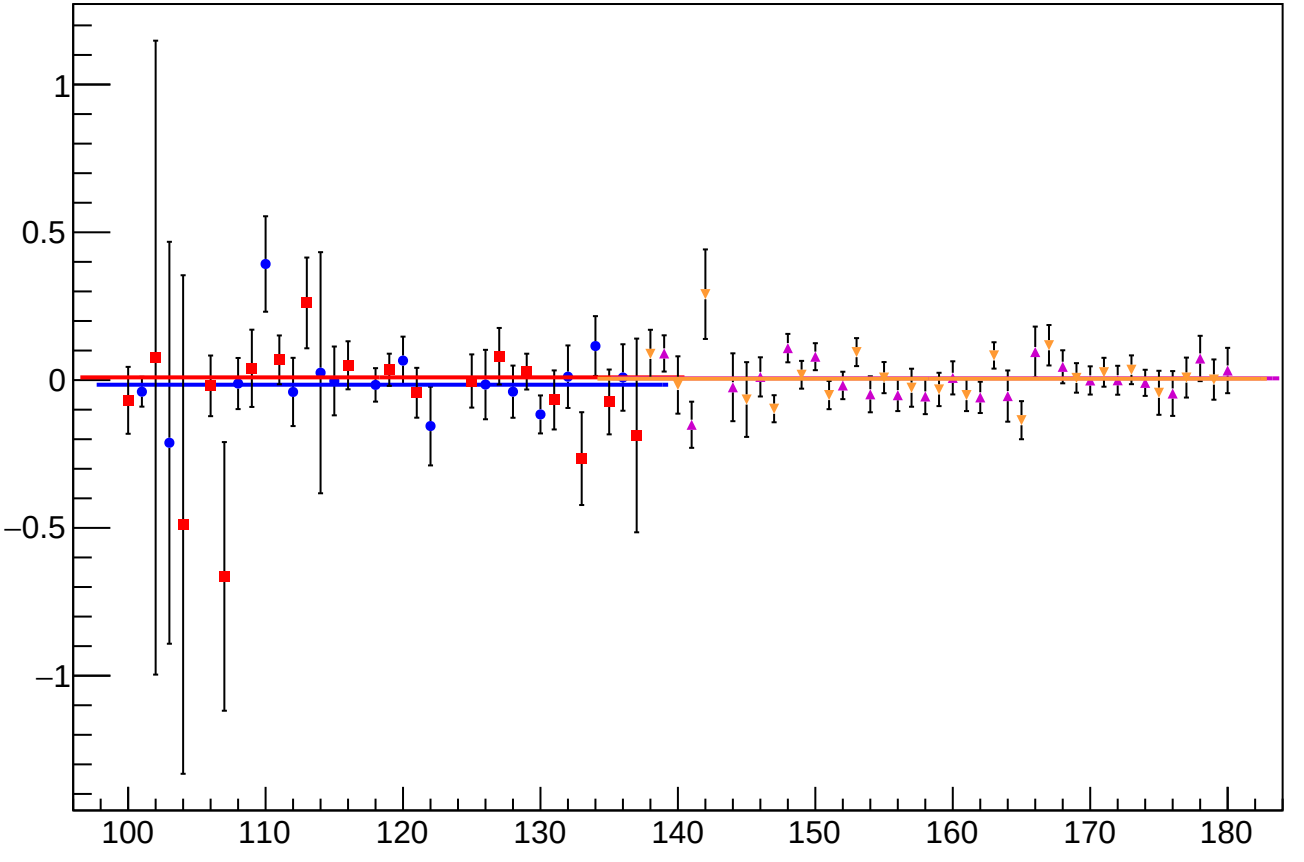
+ sign 0.000+/-0.000 χ^2/NDF: 36.2/36

All: 0.000+/-0.000 χ^2/NDF: 68.9/75

- 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:1307776.5/20
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: 3286739.4/36
All: 0.000+/-0.000 χ²/NDF: 7561445.6/75
- 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: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

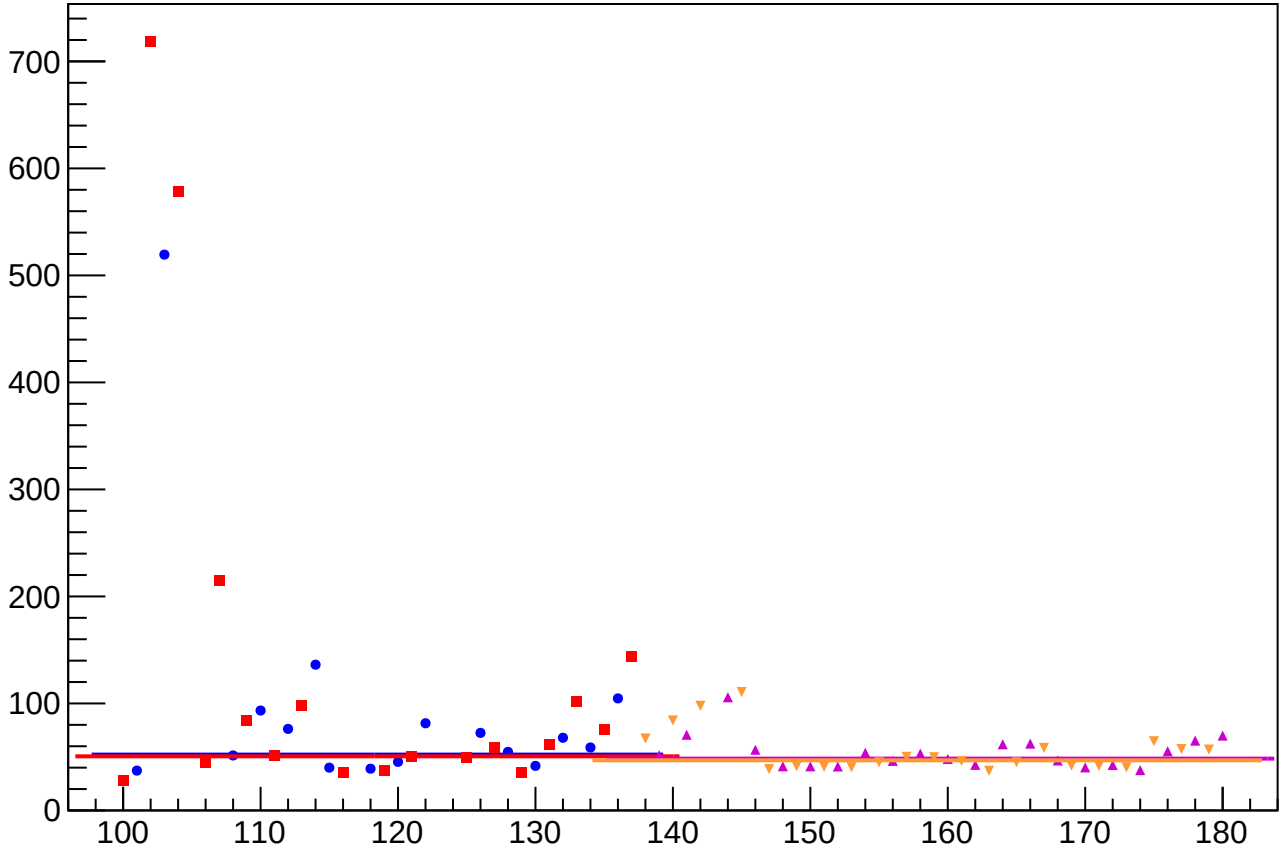
Left In: 0.006+/-0.013 χ^2/NDF:21.4/20

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/36

All: 0.003+/-0.008 χ^2/NDF: 76.1/75

- 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: 46.839+/-0.009 χ^2/NDF:1771088.0/20

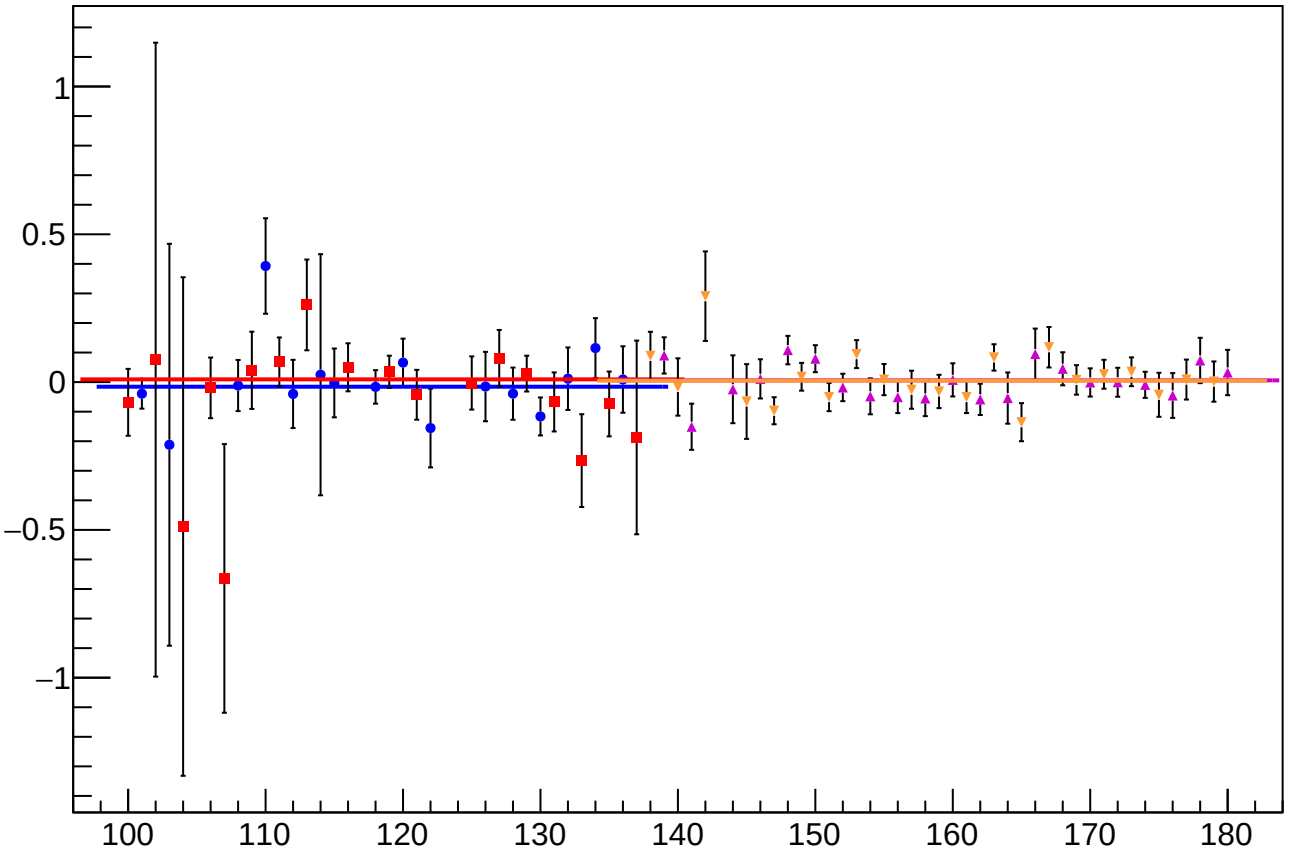
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.442+/-0.009 χ^2/NDF:1478052.3/20

+ sign 48.112+/-0.008 χ^2/NDF: 4123165.5/36

All: 48.512+/-0.006 χ^2/NDF: 8670673.8/75

- 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: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

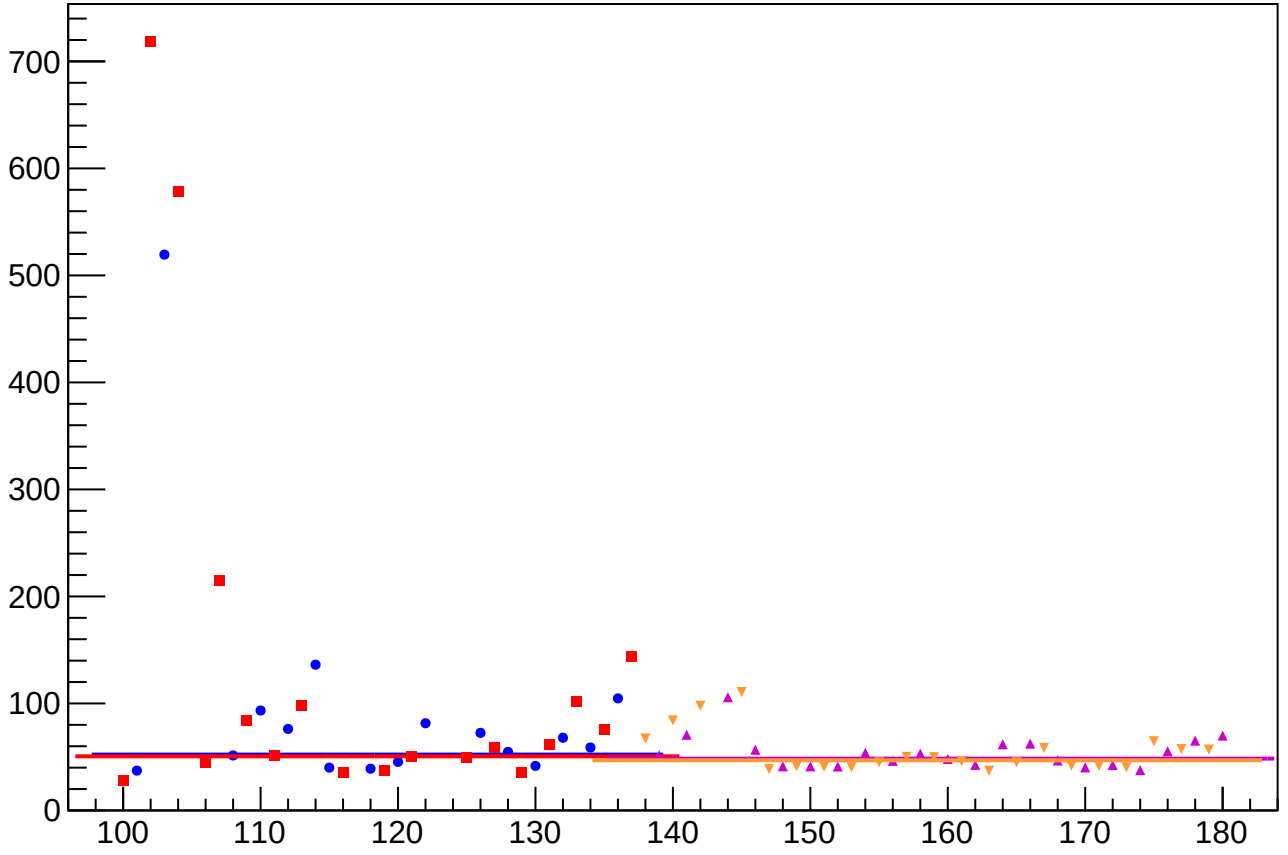
Left In: 0.006+/-0.013 χ^2/NDF:21.4/20

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/36

All: 0.003+/-0.008 χ^2/NDF: 76.1/75

- sign 0.007+/-0.011 χ^2/NDF: 33.8/38

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771088.0/20

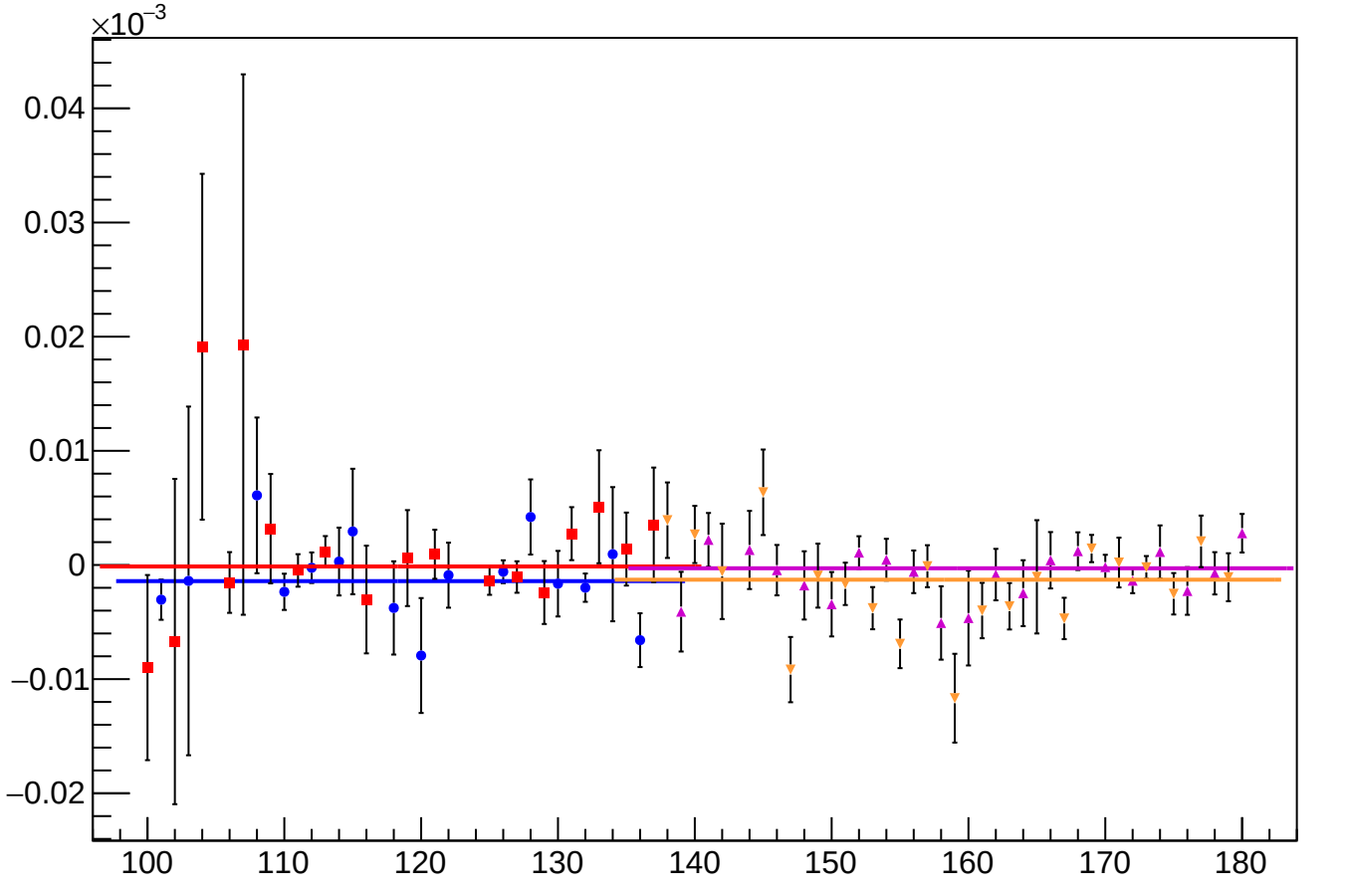
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.442+/-0.009 χ^2/NDF:1478052.3/20

\+ sign 48.112+/-0.008 χ^2/NDF: 4123165.5/36

All: 48.512+/-0.006 χ^2/NDF: 8670673.8/75

\- sign 48.925+/-0.008 χ^2/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:48.8/20

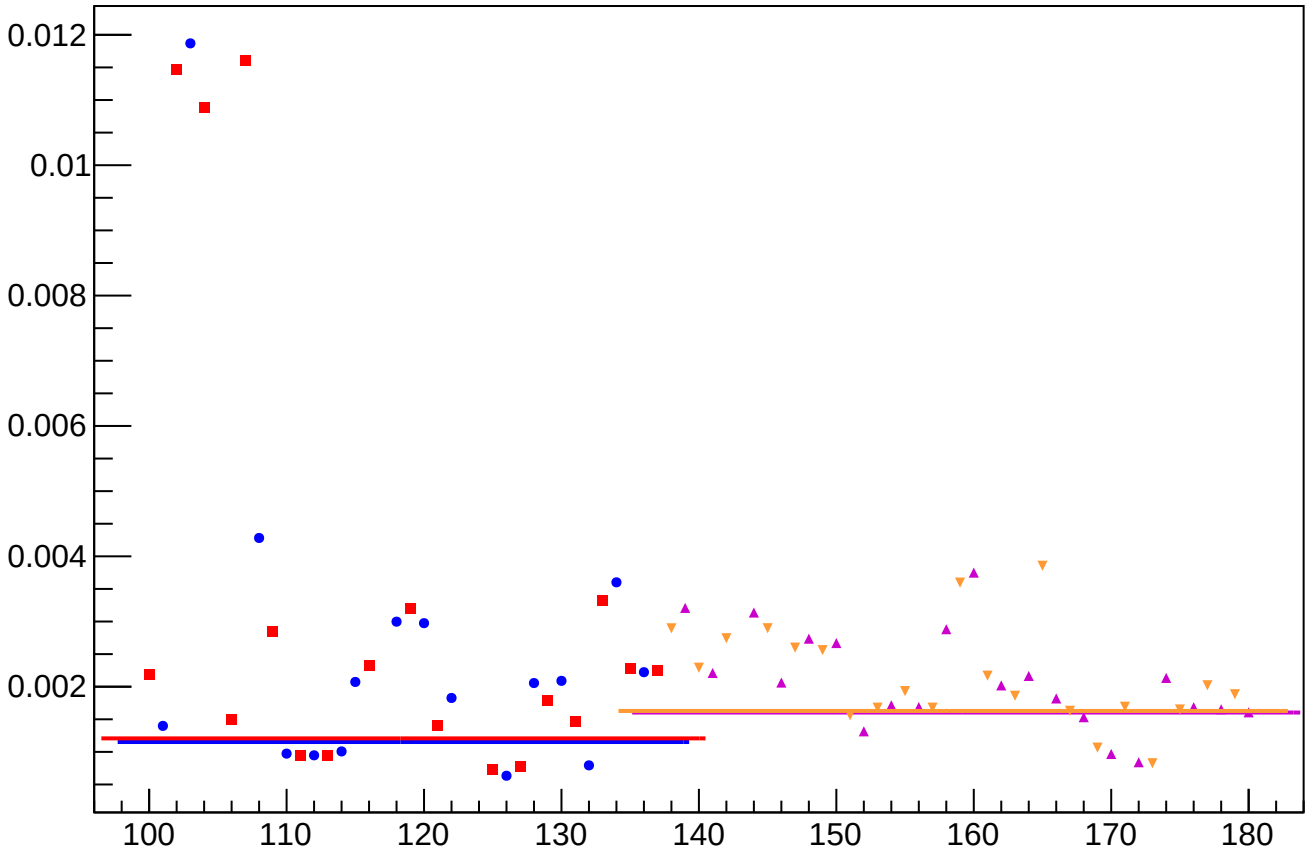
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:15.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/36

All: -0.000+/-0.000 χ^2/NDF: 96.5/75

- 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:4201981.6/20

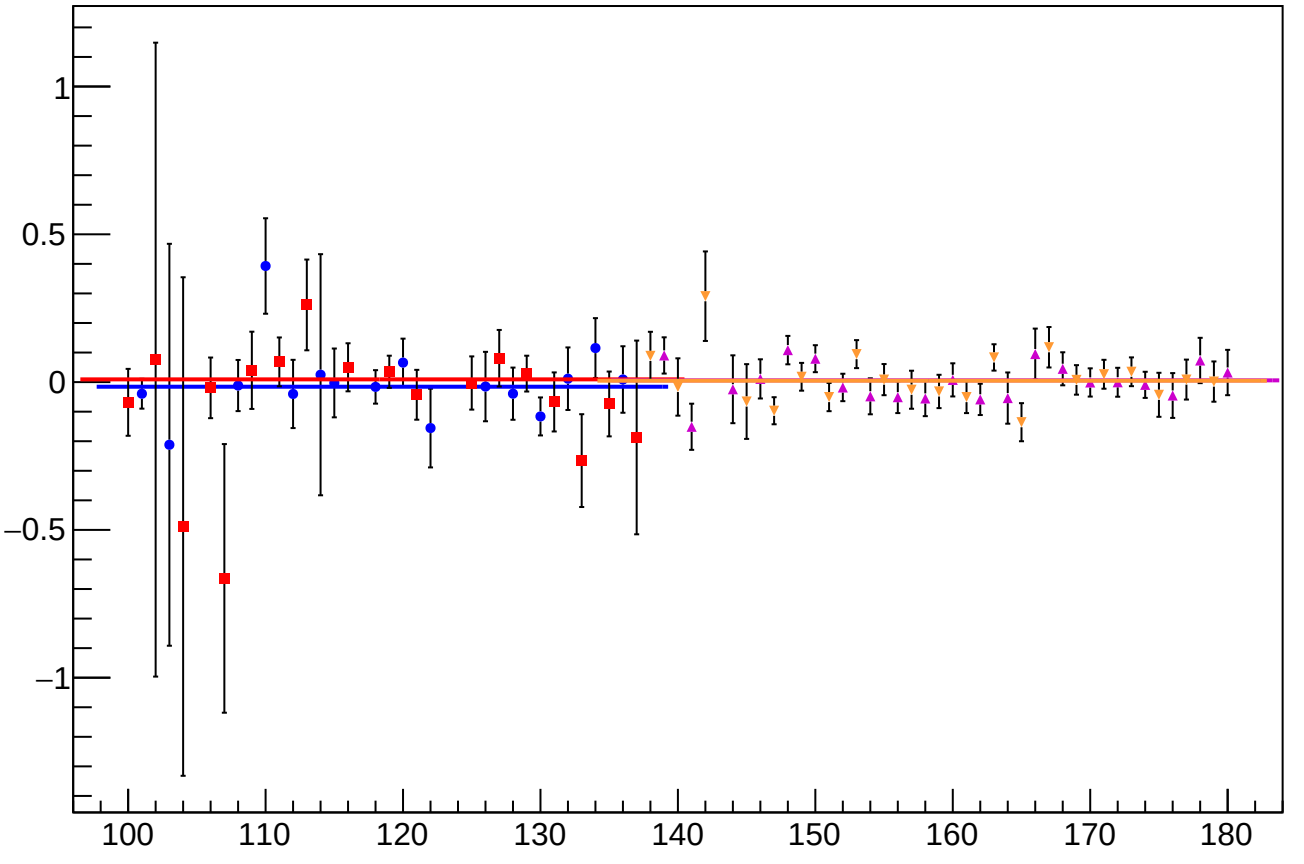
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4495861.3/20

+ sign 0.001+/-0.000 χ^2/NDF: 9378715.6/36

All: 0.001+/-0.000 χ^2/NDF: 19048944.1/75

- 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: 0.005+/-0.013 χ^2/NDF:28.2/20

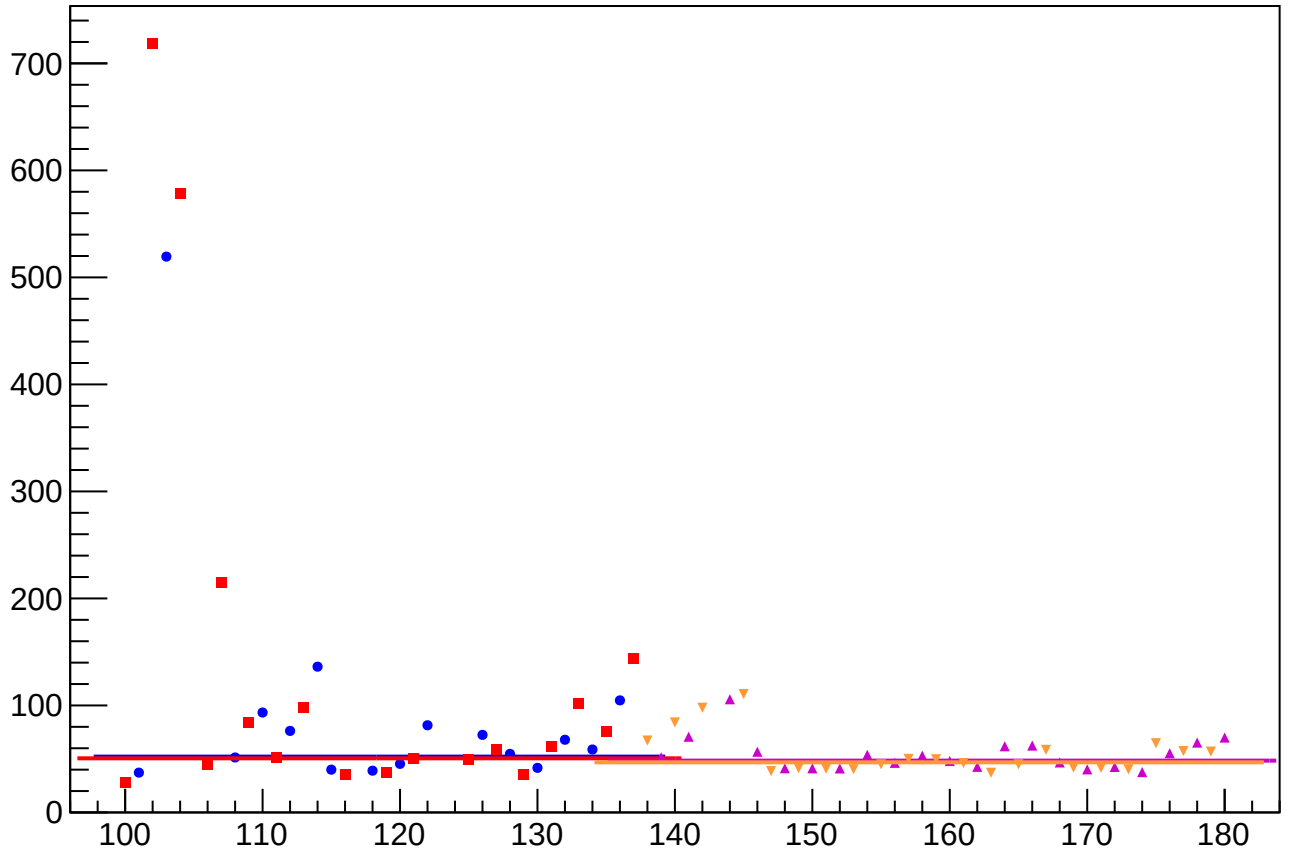
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.006+/-0.013 χ^2/NDF:21.4/20

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/36

All: 0.003+/-0.008 χ^2/NDF: 76.1/75

- 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: 46.839+/-0.009 χ^2/NDF:1771063.4/20

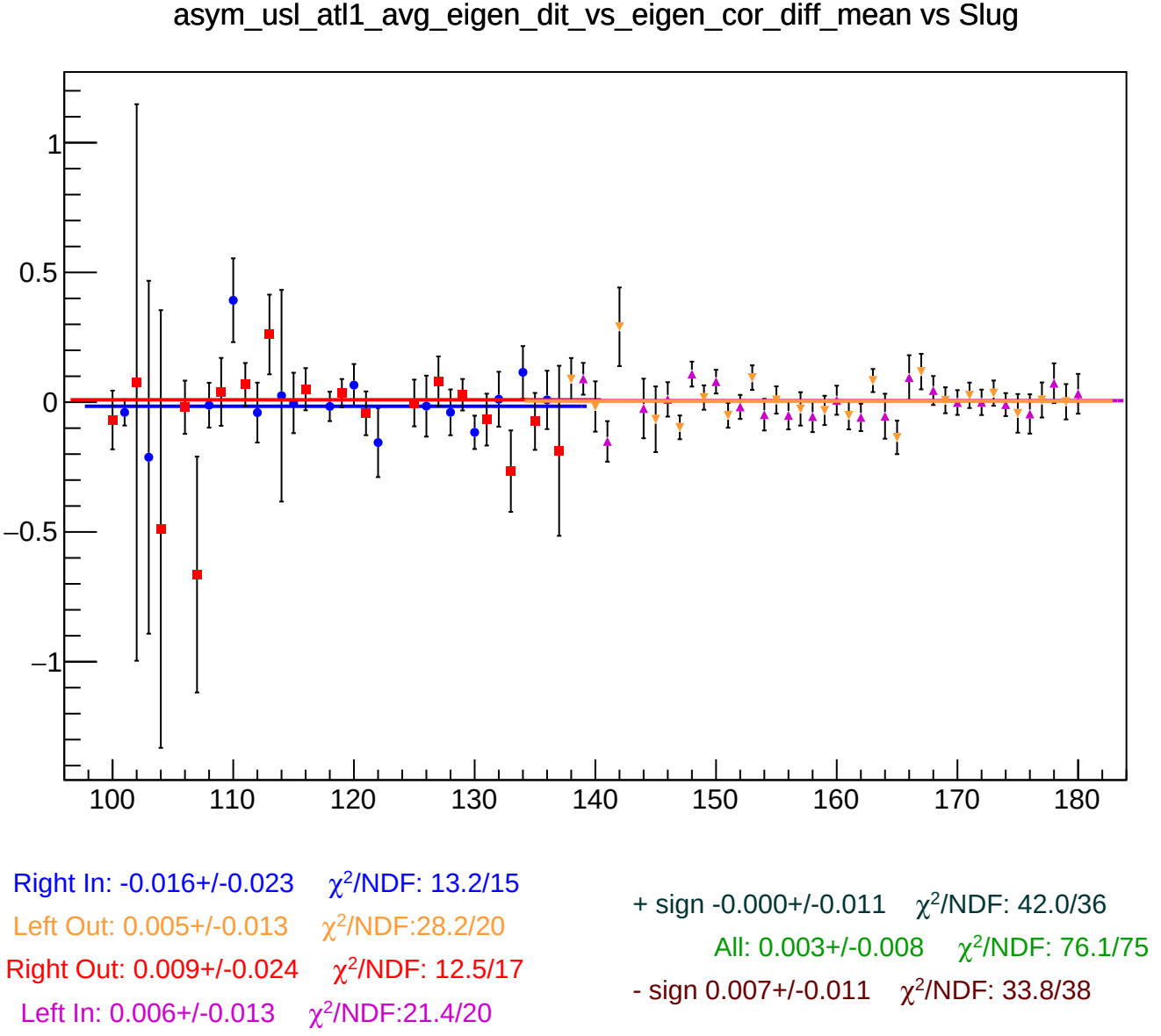
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

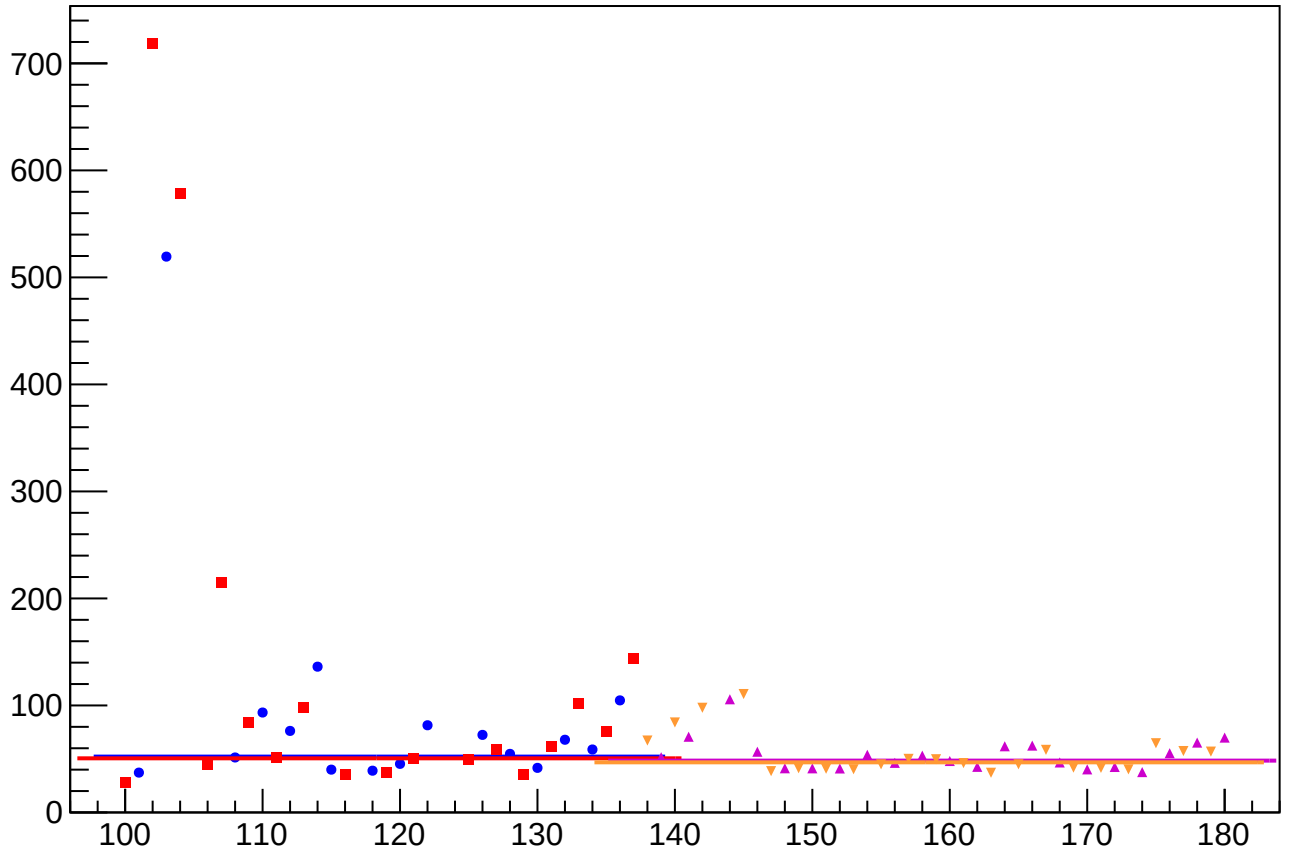
Left In: 48.442+/-0.009 χ^2/NDF:1478059.9/20

\+ sign 48.112+/-0.008 χ^2/NDF: 4123124.7/36

All: 48.512+/-0.006 χ^2/NDF: 8670620.0/75

\- sign 48.925+/-0.008 χ^2/NDF: 4542154.7/38


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
180
Right In: -0.016+/-0.023 χ²/NDF: 13.2/15
Left Out: 0.005+/-0.013 χ²/NDF:28.2/20
Right Out: 0.009+/-0.024 χ²/NDF: 12.5/17
Left In: 0.006+/-0.013 χ²/NDF:21.4/20
+ sign -0.000+/-0.011 χ²/NDF: 42.0/36
All: 0.003+/-0.008 χ²/NDF: 76.1/75
- sign 0.007+/-0.011 χ²/NDF: 33.8/38



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771063.4/20

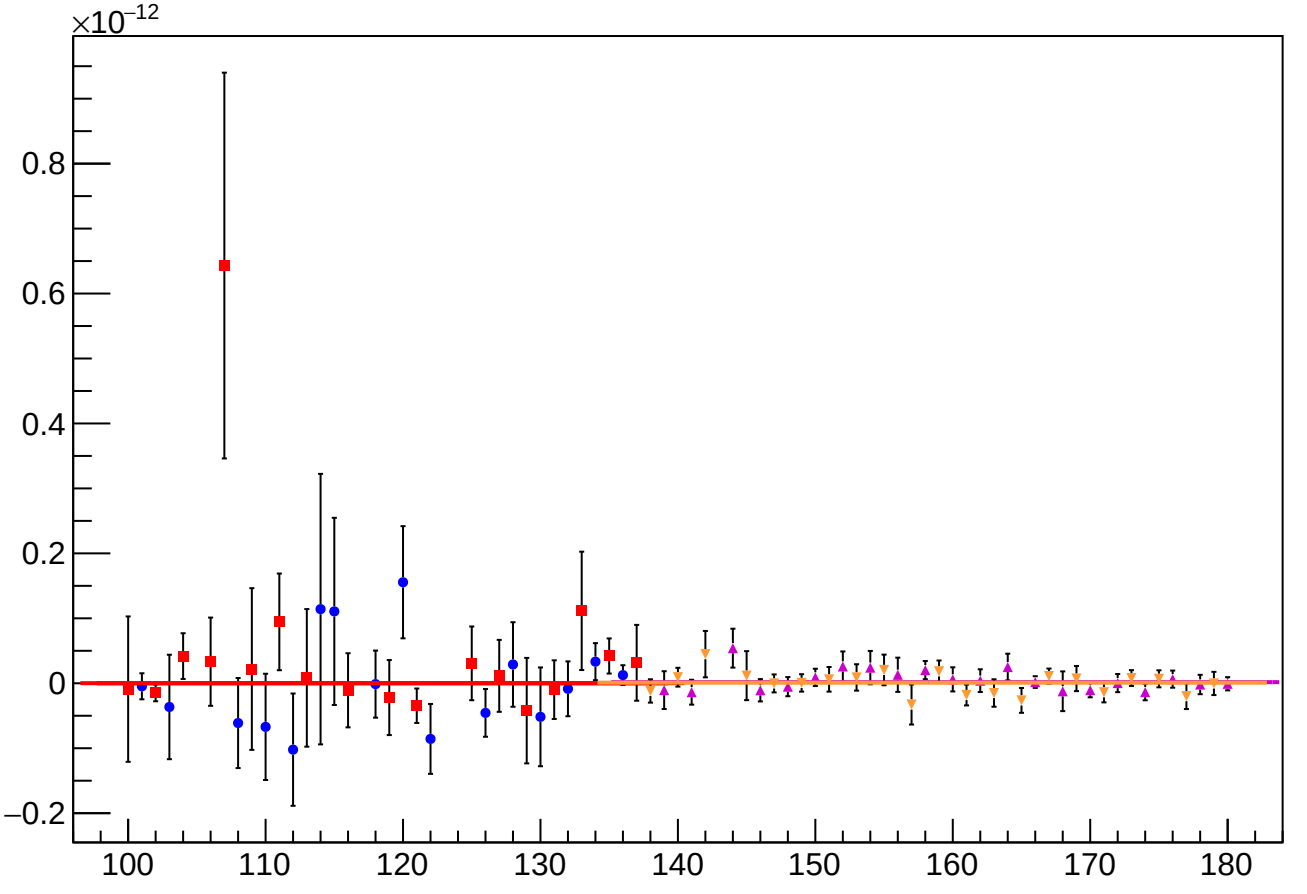
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.442+/-0.009 χ^2/NDF:1478059.9/20

\+ sign 48.112+/-0.008 χ^2/NDF: 4123124.7/36

All: 48.512+/-0.006 χ^2/NDF: 8670620.0/75

\- 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:13.1/20

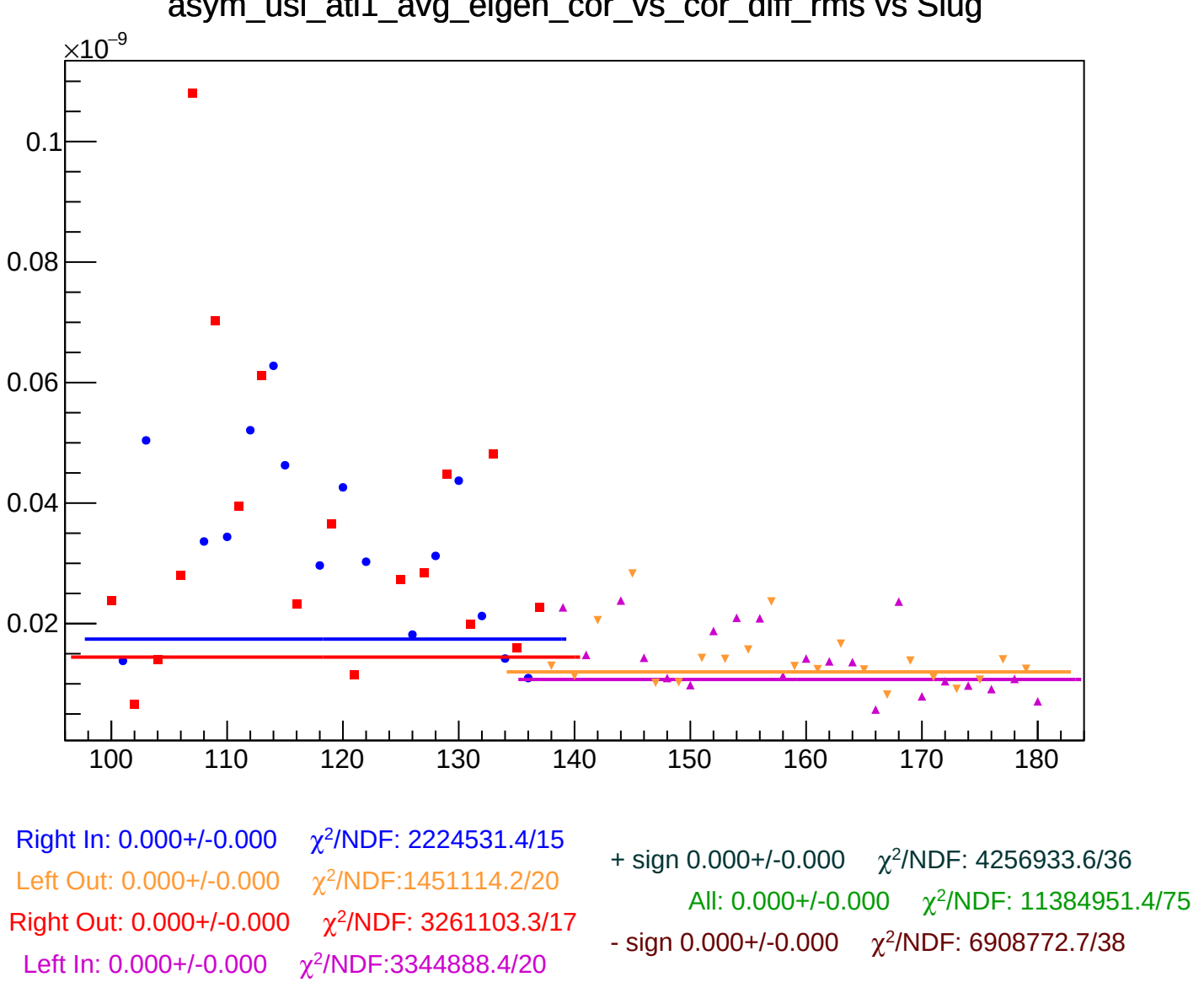
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.3/20

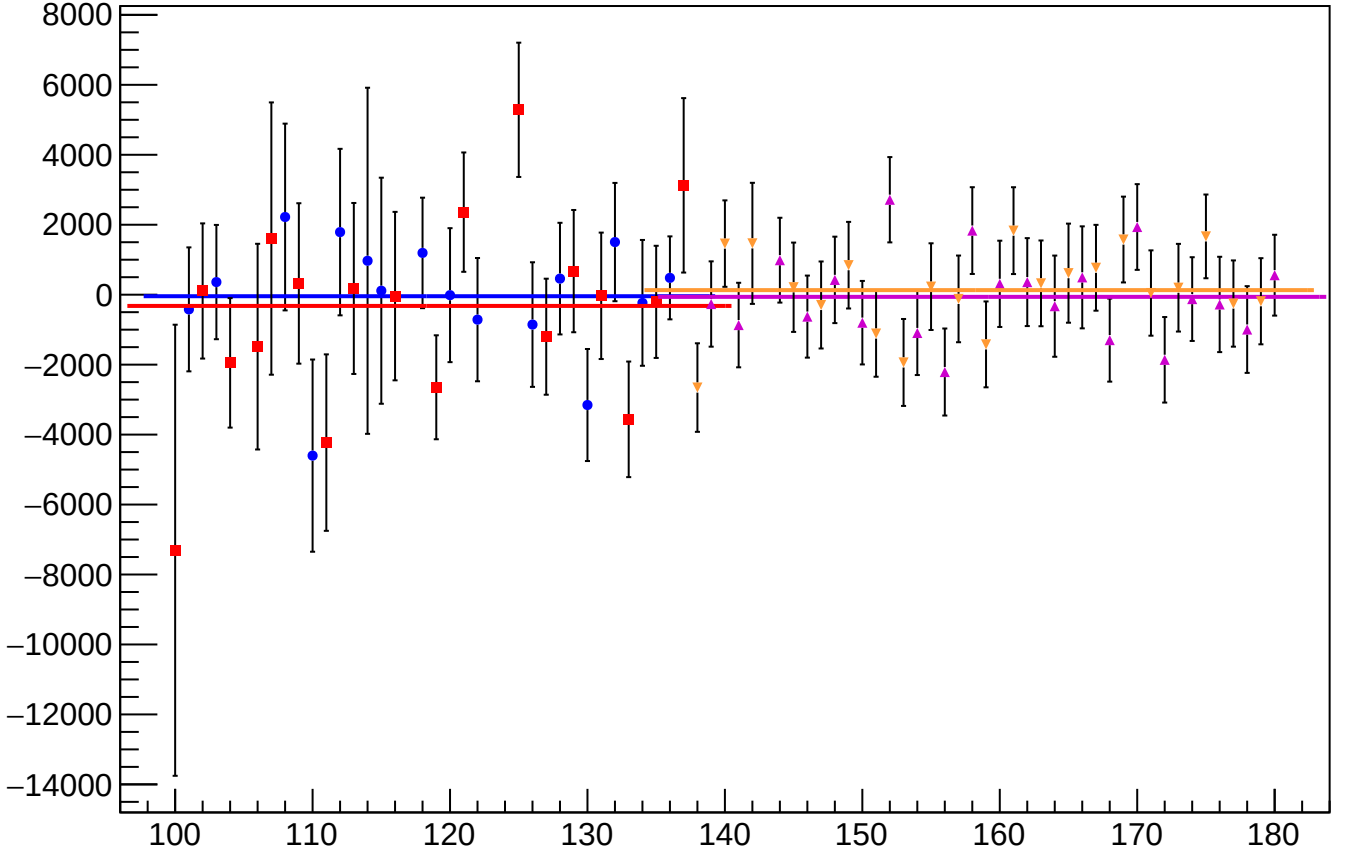
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/36

All: 0.000+/-0.000 χ^2/NDF: 56.5/75

- 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:1451114.2/20
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: 4256933.6/36
All: 0.000+/-0.000 χ²/NDF: 11384951.4/75
- 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: 130.346+/-274.619 χ^2/NDF:18.0/20

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

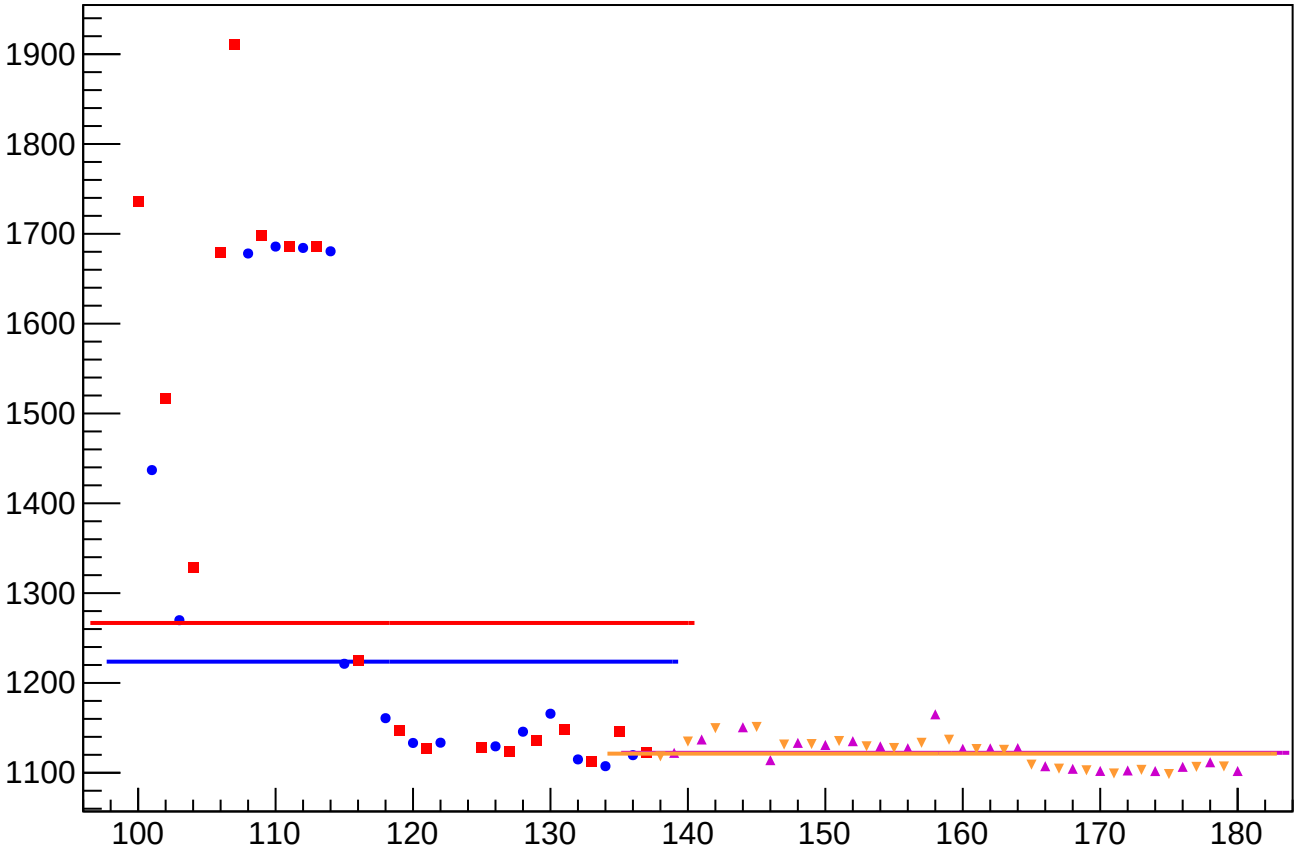
Left In: -61.856+/-270.186 χ^2/NDF:20.4/20

+ sign 84.504+/-235.691 χ^2/NDF: 28.2/36

All: -20.766+/-166.358 χ^2/NDF: 74.0/75

- 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: 1121.299+/-0.194 χ^2/NDF:6434.4/20

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

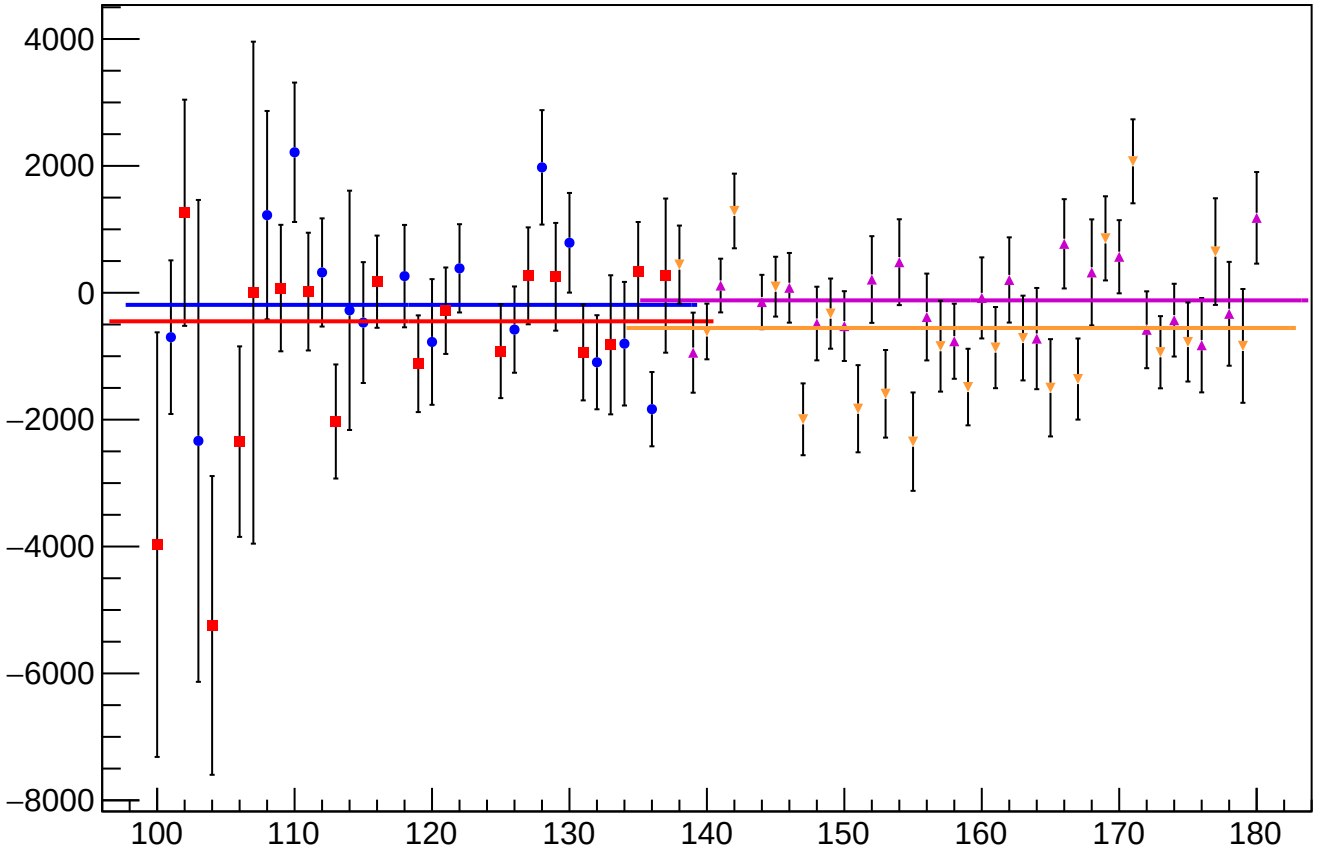
Left In: 1122.219+/-0.191 χ^2/NDF:7880.4/20

+ sign 1148.275+/-0.167 χ^2/NDF: 374658.8/36

All: 1152.936+/-0.118 χ^2/NDF: 956931.1/75

- 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: -554.704+/-136.216 χ^2/NDF:61.0/20

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

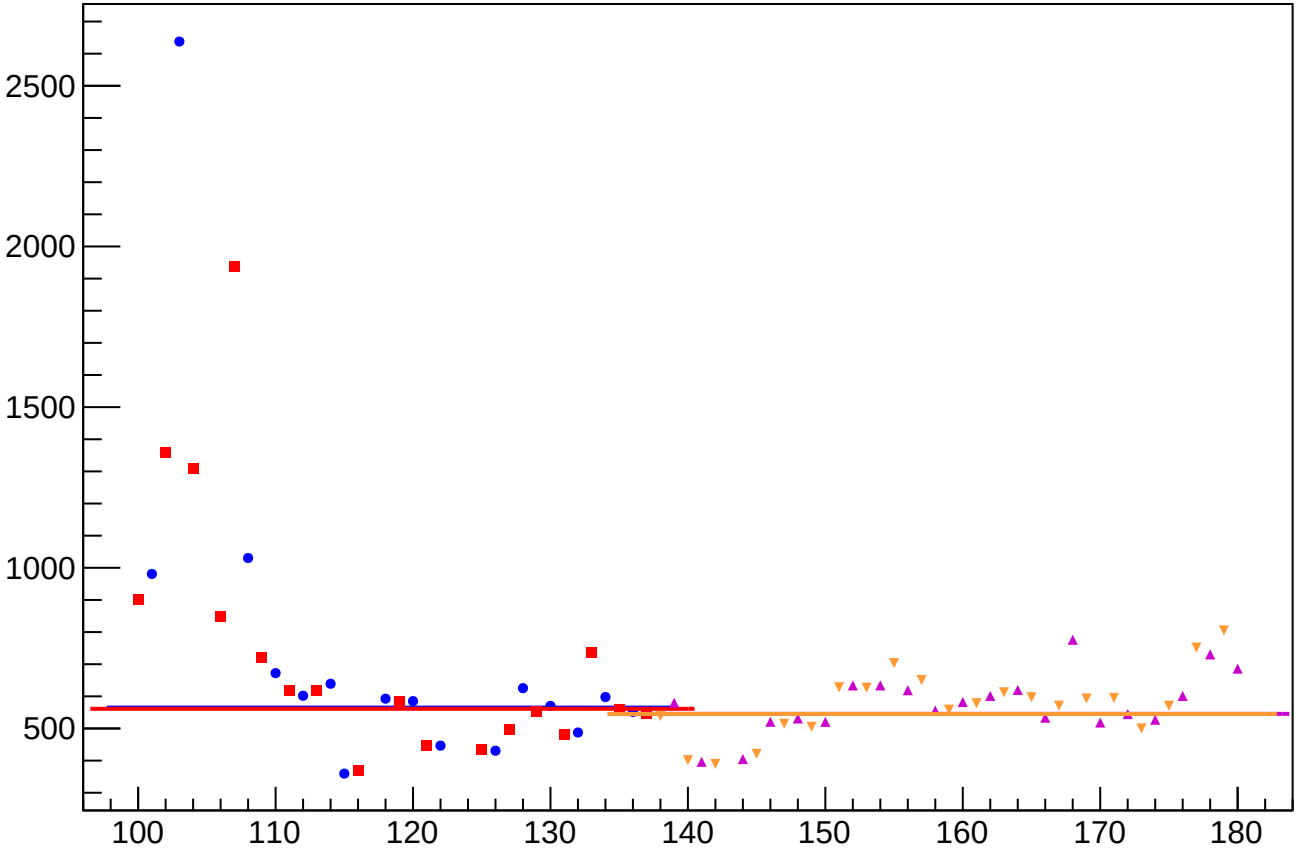
Left In: -119.827+/-133.490 χ^2/NDF:14.6/20

+ sign -455.691+/-116.226 χ^2/NDF: 88.2/36

All: -329.439+/-81.590 χ^2/NDF: 123.6/75

- 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: 545.191+/-0.096 χ^2/NDF:1059907.0/20

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

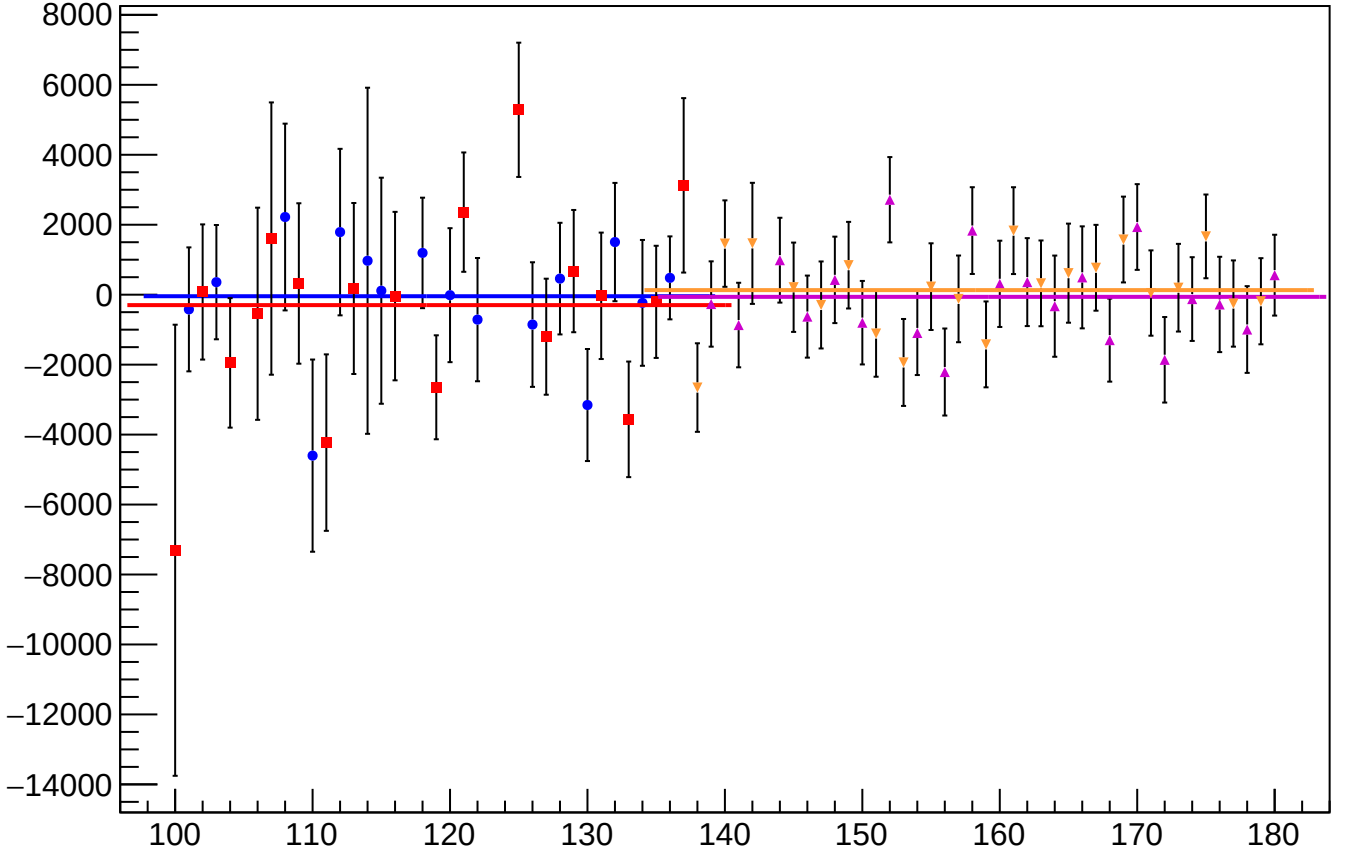
Left In: 545.438+/-0.094 χ^2/NDF:957406.7/20

+ sign 550.567+/-0.082 χ^2/NDF: 2355841.3/36

All: 550.077+/-0.058 χ^2/NDF: 4672943.7/75

- 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: 130.400+/-274.619 χ^2/NDF:18.0/20

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

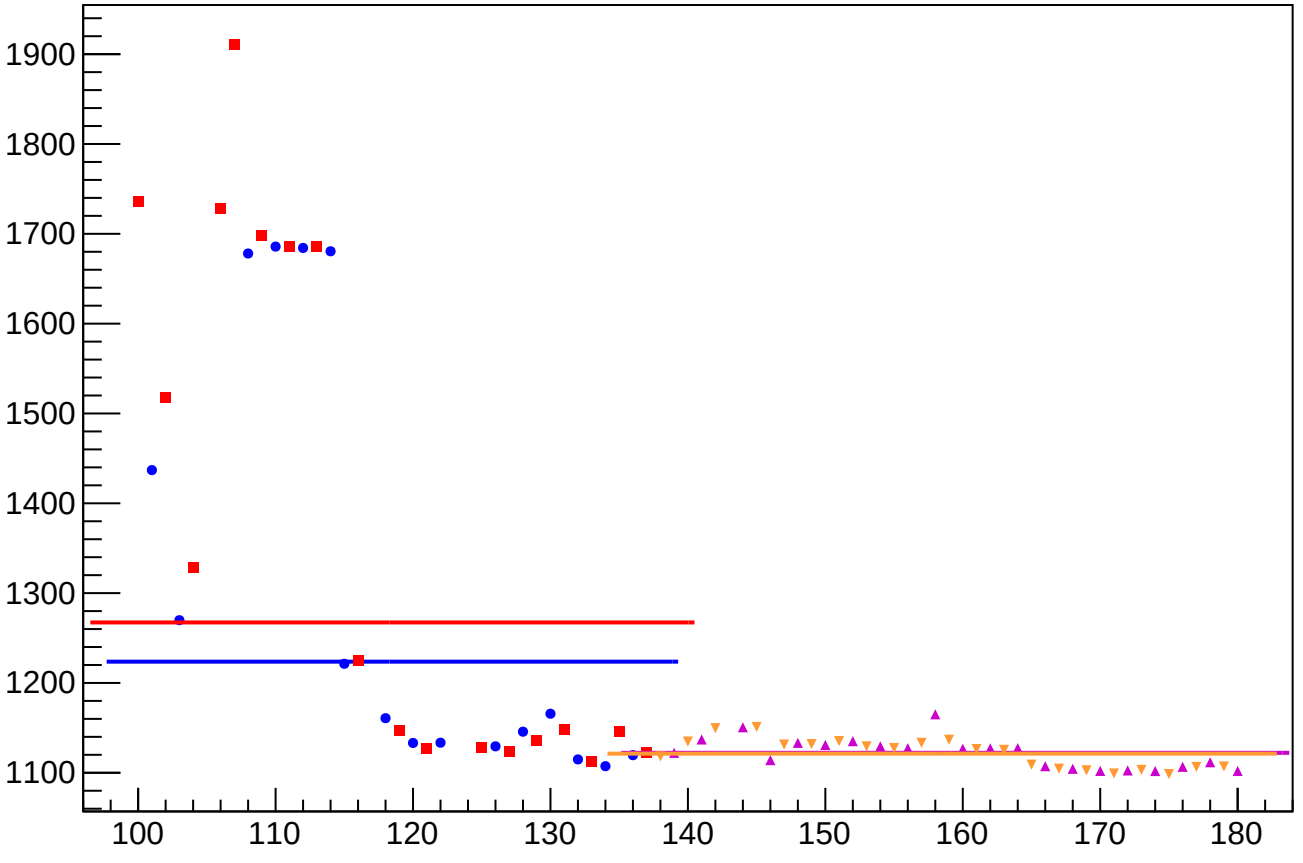
Left In: -61.818+/-270.186 χ^2/NDF:20.4/20

+ sign 84.480+/-235.691 χ^2/NDF: 28.2/36

All: -17.881+/-166.375 χ^2/NDF: 73.8/75

- 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: 1121.299+/-0.194 χ^2/NDF:6434.4/20

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

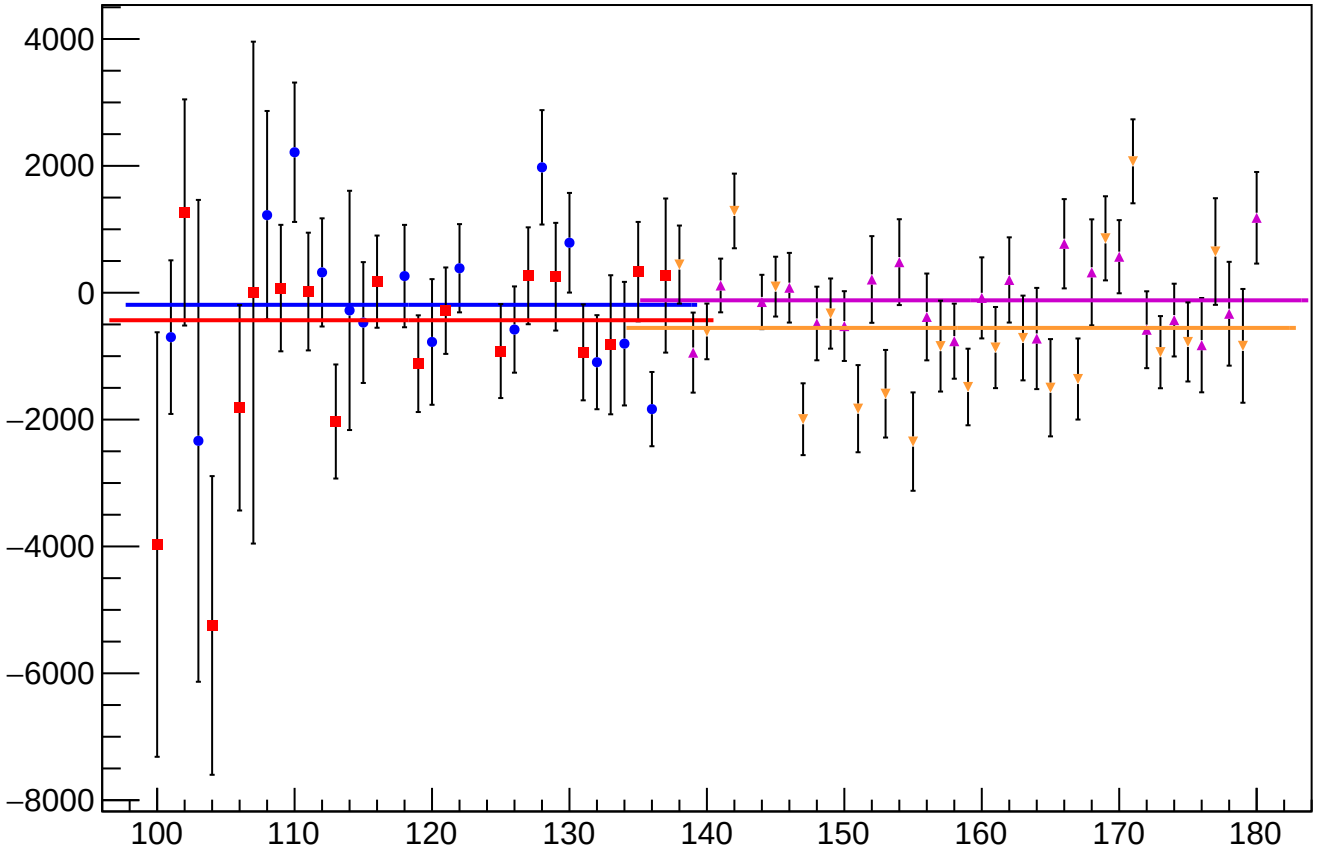
Left In: 1122.219+/-0.191 χ^2/NDF:7880.4/20

+ sign 1148.275+/-0.167 χ^2/NDF: 374658.8/36

All: 1152.986+/-0.118 χ^2/NDF: 965065.5/75

- 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: -554.718+/-136.215 χ^2/NDF:61.0/20

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

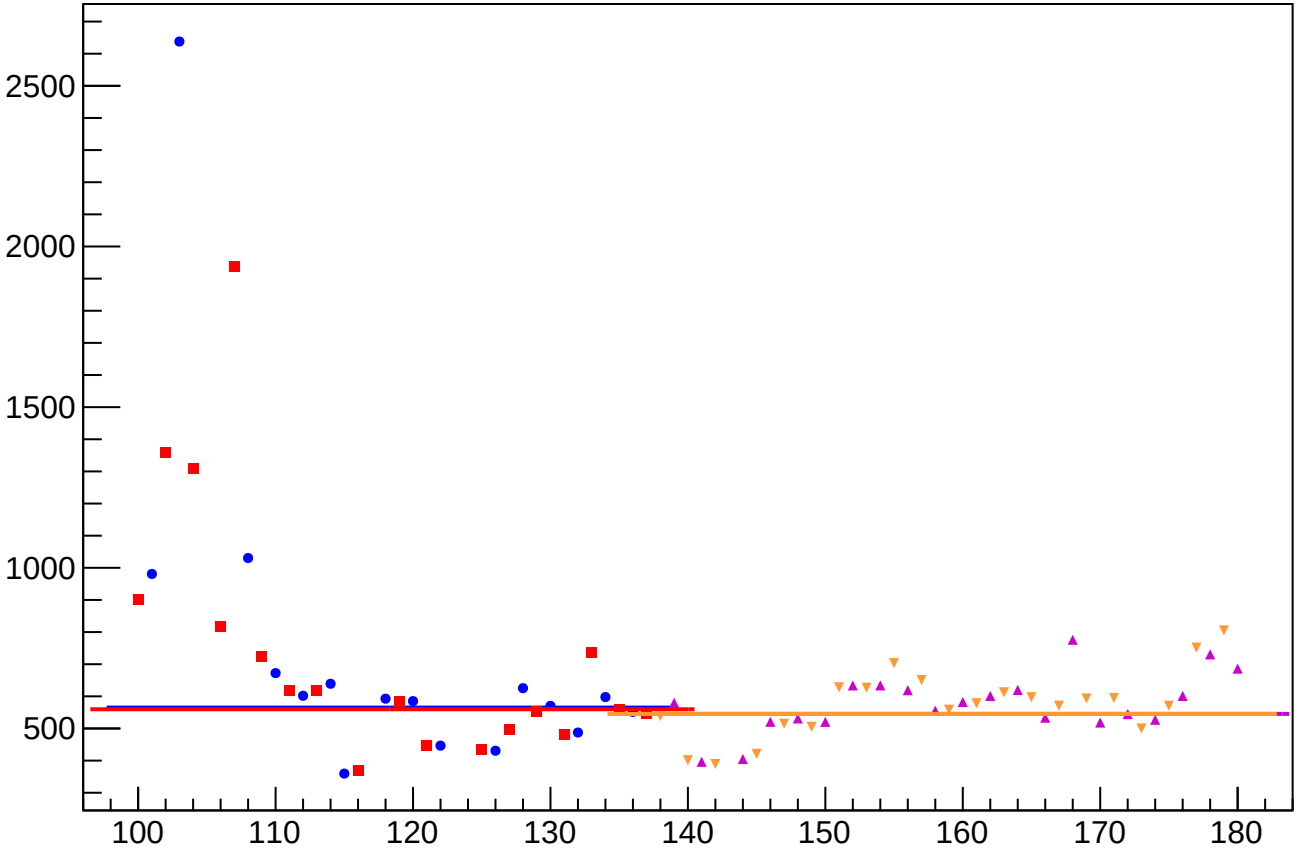
Left In: -119.804+/-133.489 χ^2/NDF:14.6/20

+ sign -455.703+/-116.226 χ^2/NDF: 88.2/36

All: -327.258+/-81.607 χ^2/NDF: 122.6/75

- 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: 545.189+/-0.096 χ^2/NDF:1059909.0/20

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

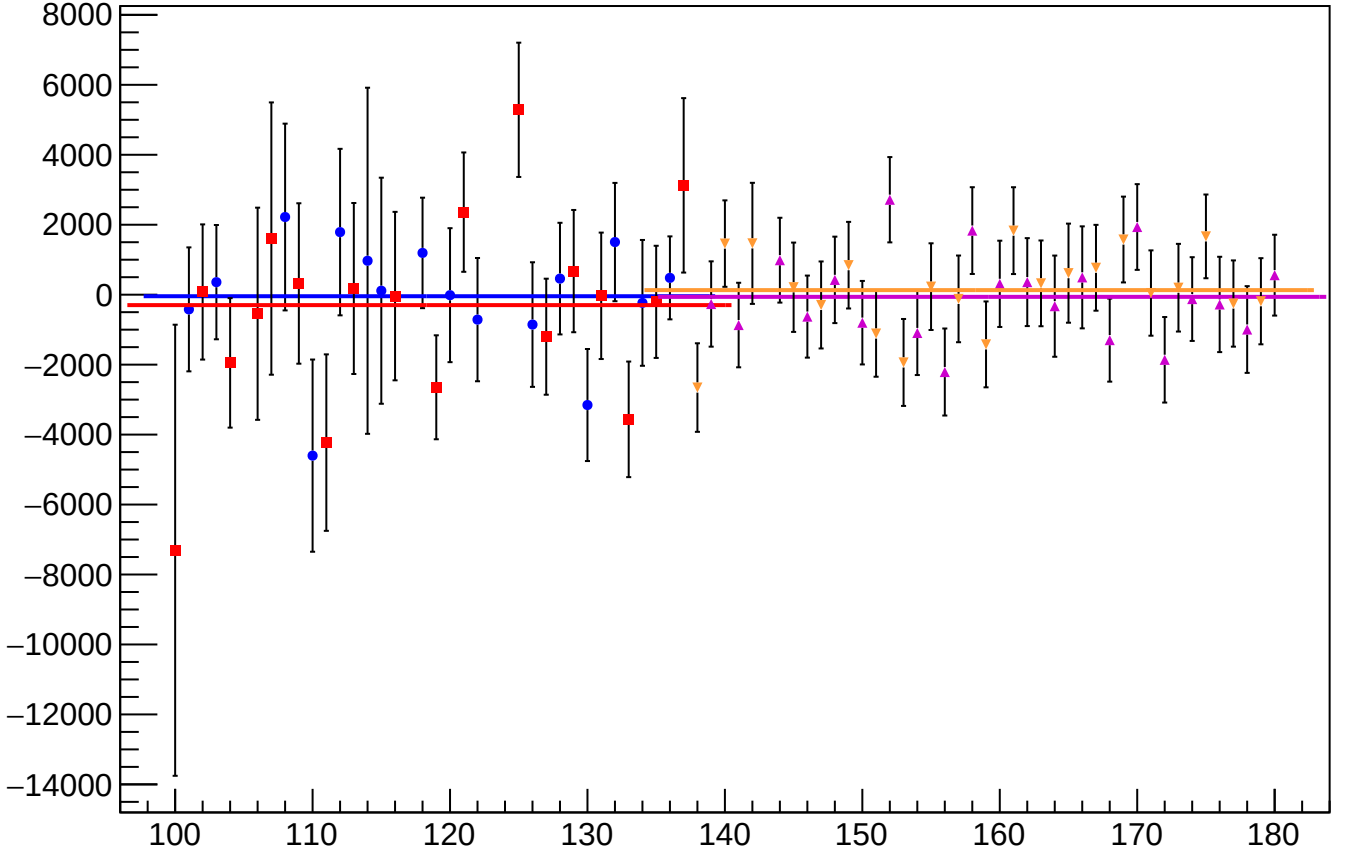
Left In: 545.437+/-0.094 χ^2/NDF:957351.4/20

+ sign 550.564+/-0.082 χ^2/NDF: 2355816.9/36

All: 549.873+/-0.058 χ^2/NDF: 4648715.4/75

- 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: 130.400+/-274.619 χ^2/NDF:18.0/20

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

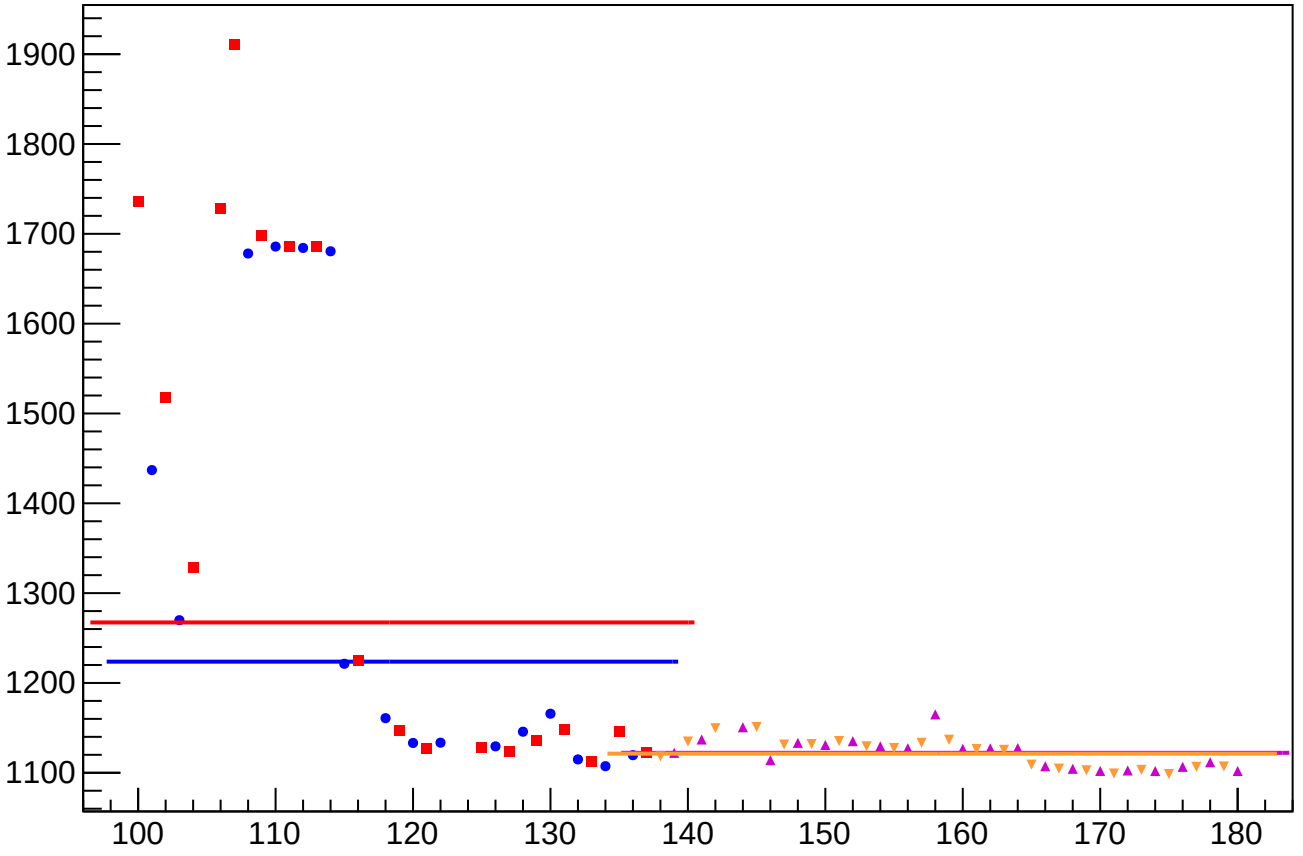
Left In: -61.818+/-270.186 χ^2/NDF:20.4/20

+ sign 84.480+/-235.691 χ^2/NDF: 28.2/36

All: -17.881+/-166.375 χ^2/NDF: 73.8/75

- 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: 1121.299+/-0.194 χ^2/NDF:6434.4/20

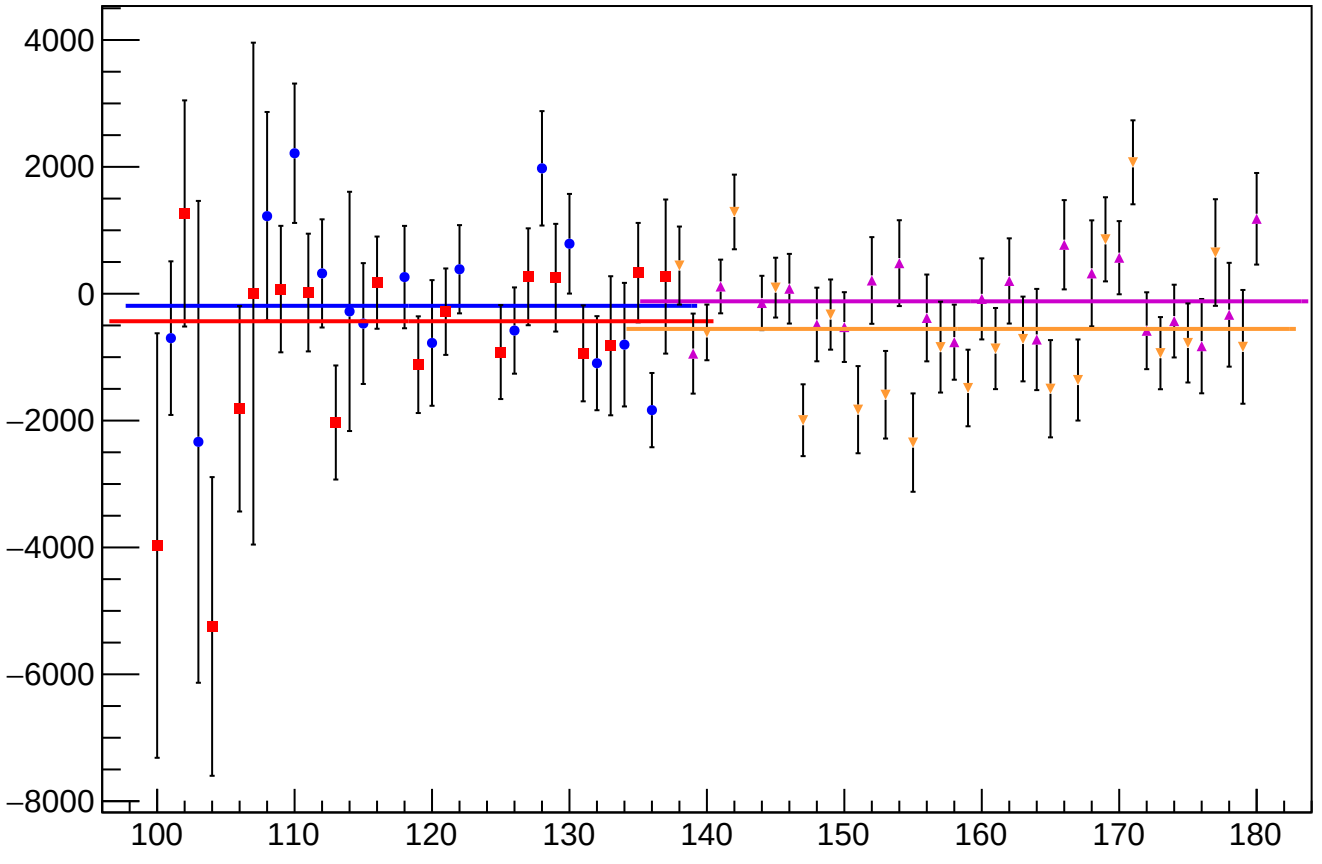
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1122.219+/-0.191 χ^2/NDF:7880.4/20

+ sign 1148.275+/-0.167 χ^2/NDF: 374658.8/36

All: 1152.986+/-0.118 χ^2/NDF: 965065.5/75

- 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: -554.718+/-136.215 χ^2/NDF:61.0/20

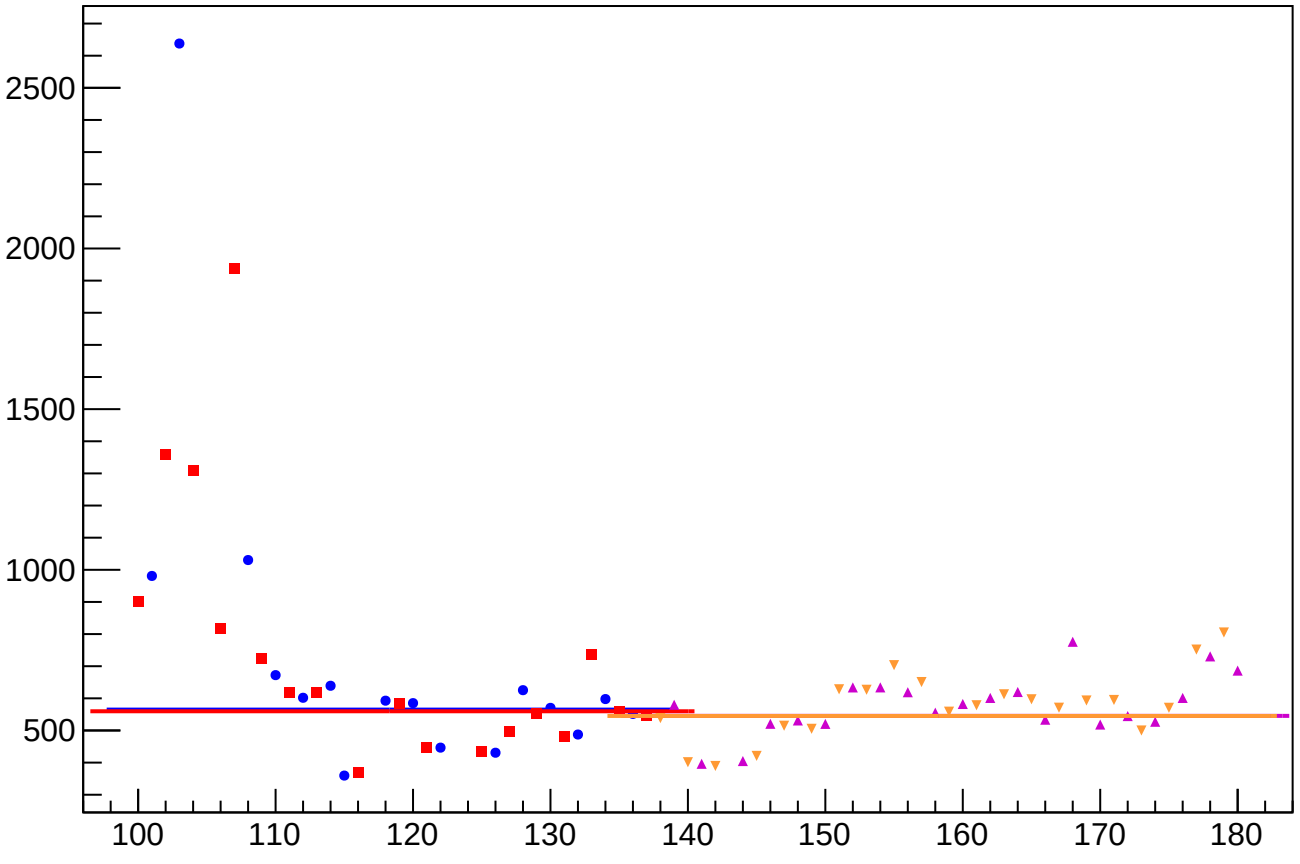
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -119.804+/-133.489 χ^2/NDF:14.6/20

+ sign -455.703+/-116.226 χ^2/NDF: 88.2/36

All: -327.258+/-81.607 χ^2/NDF: 122.6/75

- sign -202.359+/-114.611 χ^2/NDF: 32.0/38



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 545.189+/-0.096 χ^2/NDF:1059909.0/20

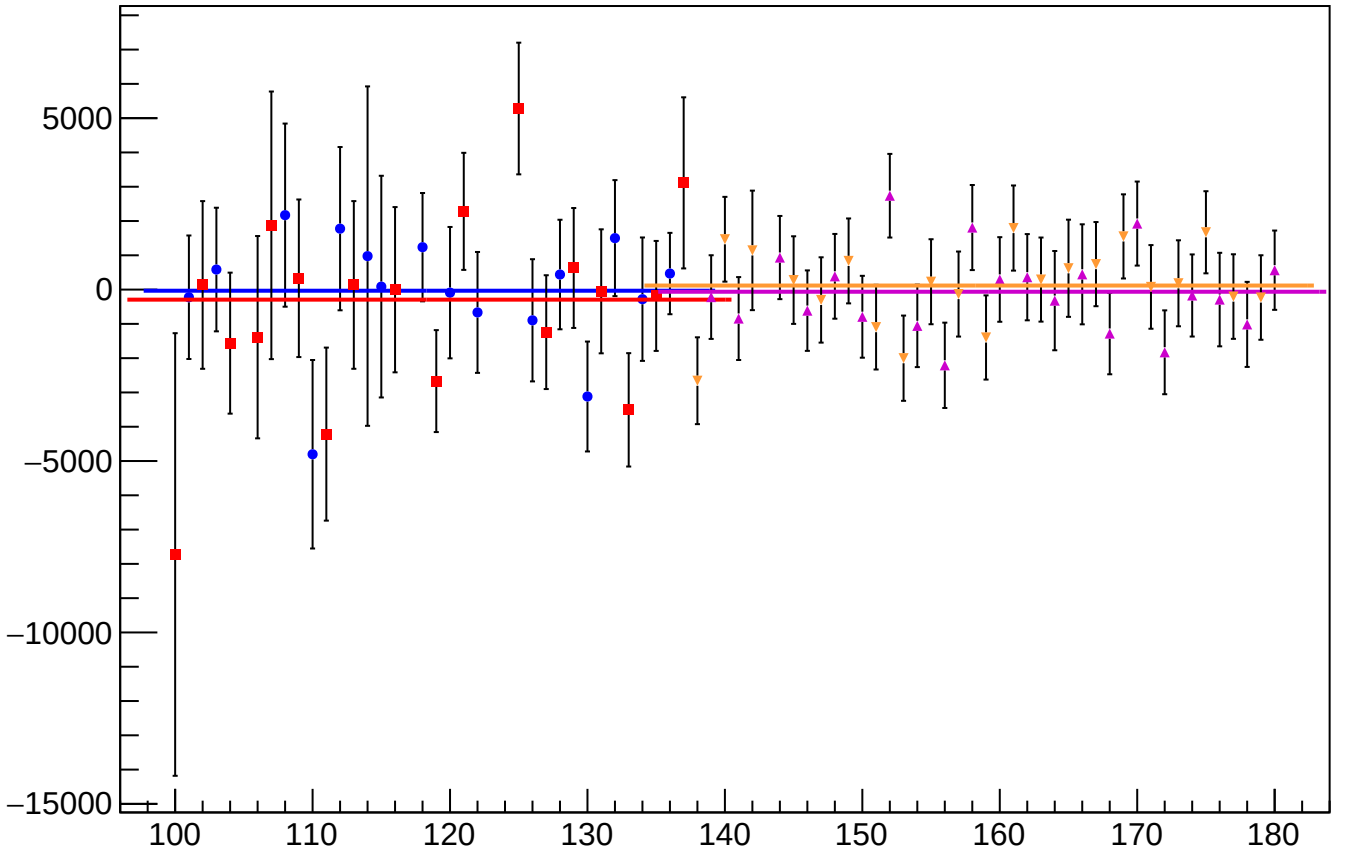
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 545.437+/-0.094 χ^2/NDF:957351.4/20

+ sign 550.564+/-0.082 χ^2/NDF: 2355816.9/36

All: 549.873+/-0.058 χ^2/NDF: 4648715.4/75

- sign 549.201+/-0.081 χ^2/NDF: 2292758.9/38



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 118.203+/-274.783 χ^2/NDF:17.7/20

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

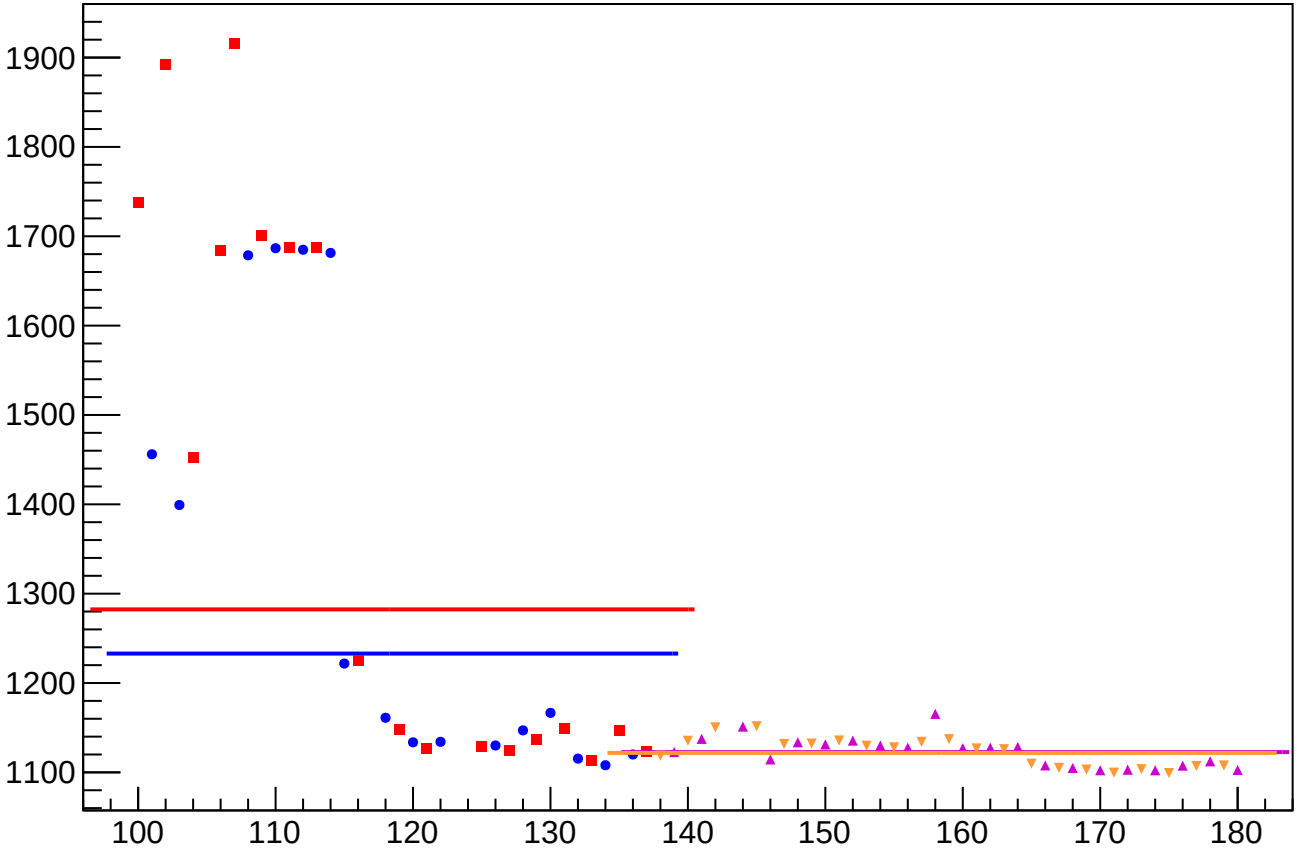
Left In: -63.027+/-270.302 χ^2/NDF:20.1/20

+ sign 78.830+/-236.329 χ^2/NDF: 28.0/36

All: -19.644+/-166.984 χ^2/NDF: 72.9/75

- 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: 1121.779+/-0.194 χ^2/NDF:6419.9/20

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

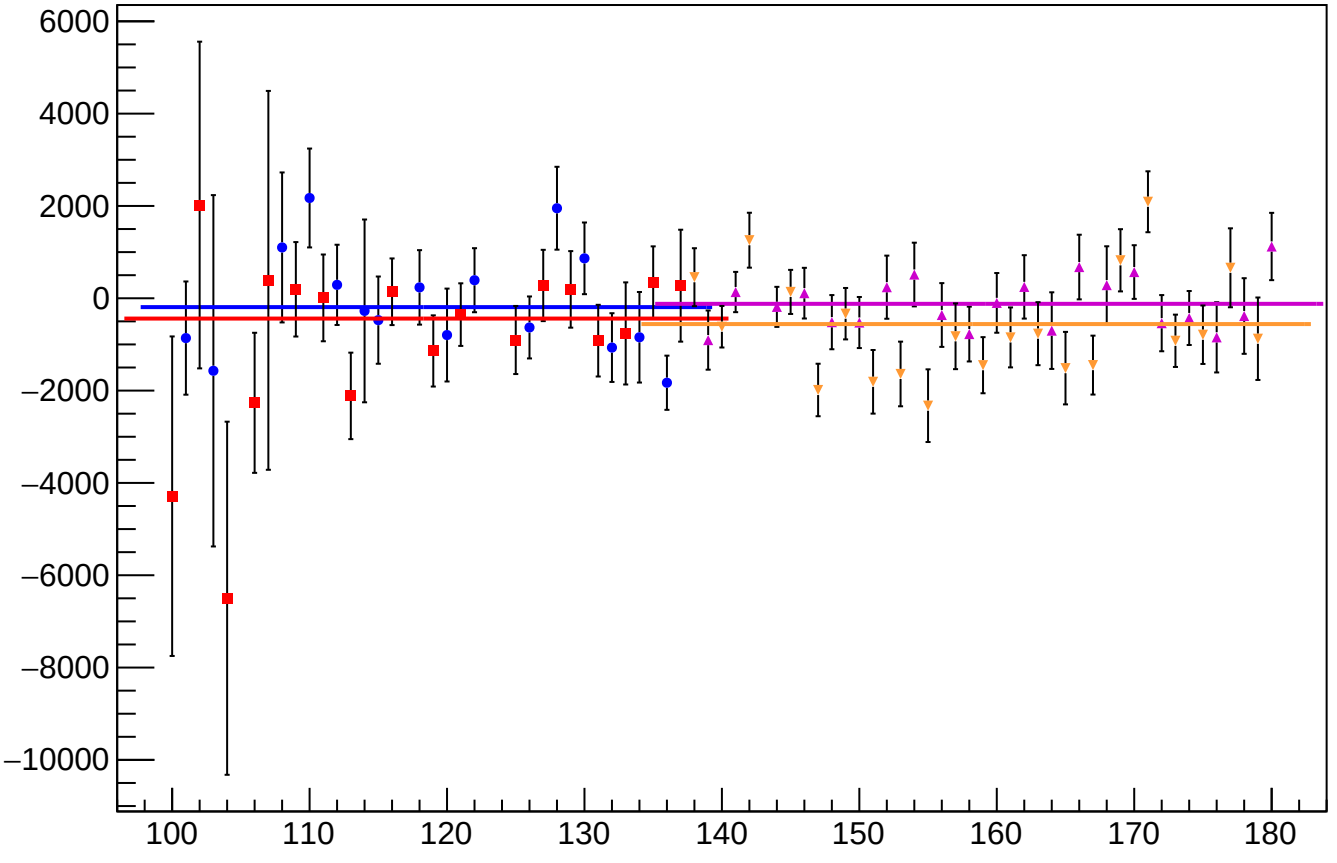
Left In: 1122.699+/-0.191 χ^2/NDF:7847.3/20

+ sign 1150.720+/-0.167 χ^2/NDF: 407126.0/36

All: 1155.712+/-0.118 χ^2/NDF: 1126237.7/75

- 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: -558.905+/-137.662 χ^2/NDF:60.3/20

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

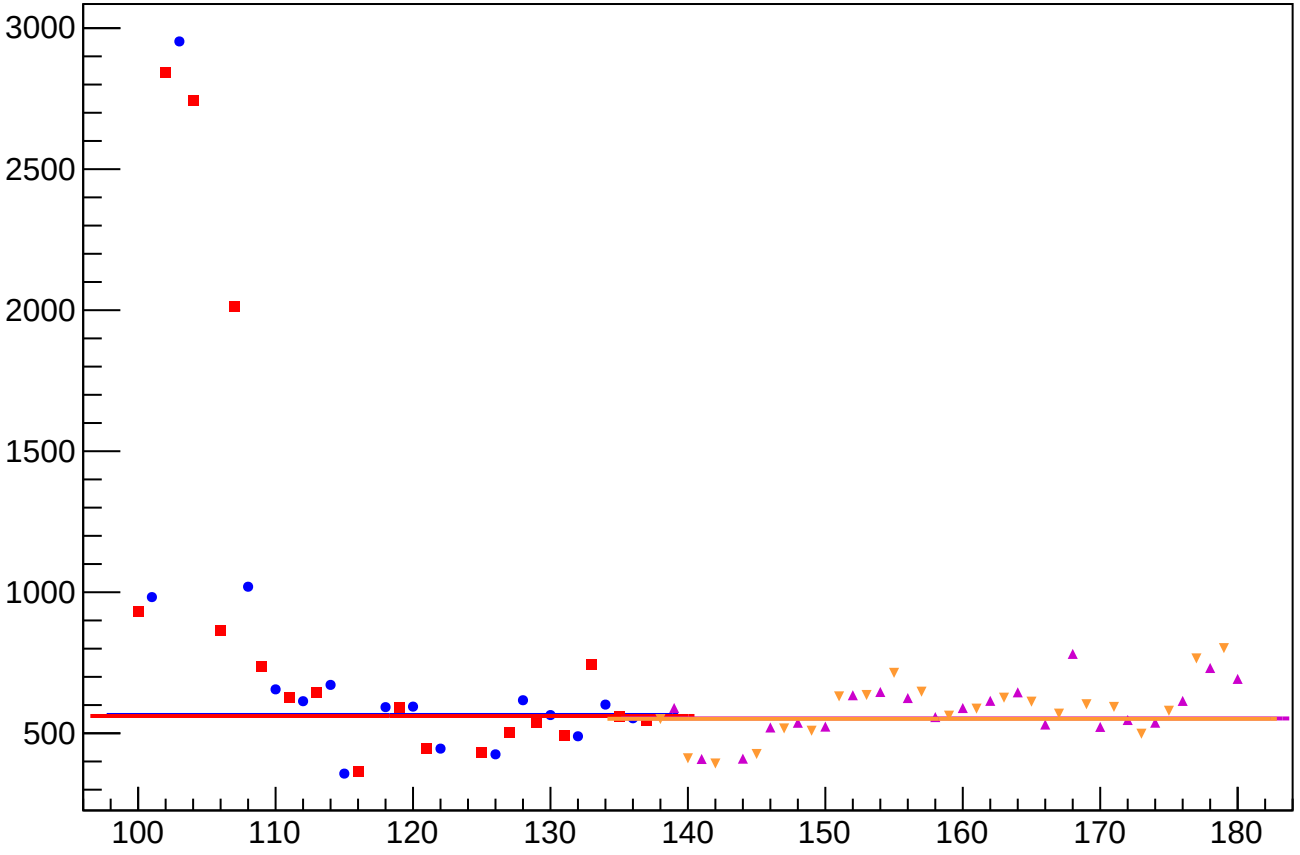
Left In: -120.426+/-135.138 χ^2/NDF:13.9/20

+ sign -457.378+/-117.106 χ^2/NDF: 87.5/36

All: -329.642+/-82.436 χ^2/NDF: 119.9/75

- 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: 551.312+/-0.097 χ^2/NDF:1037453.3/20

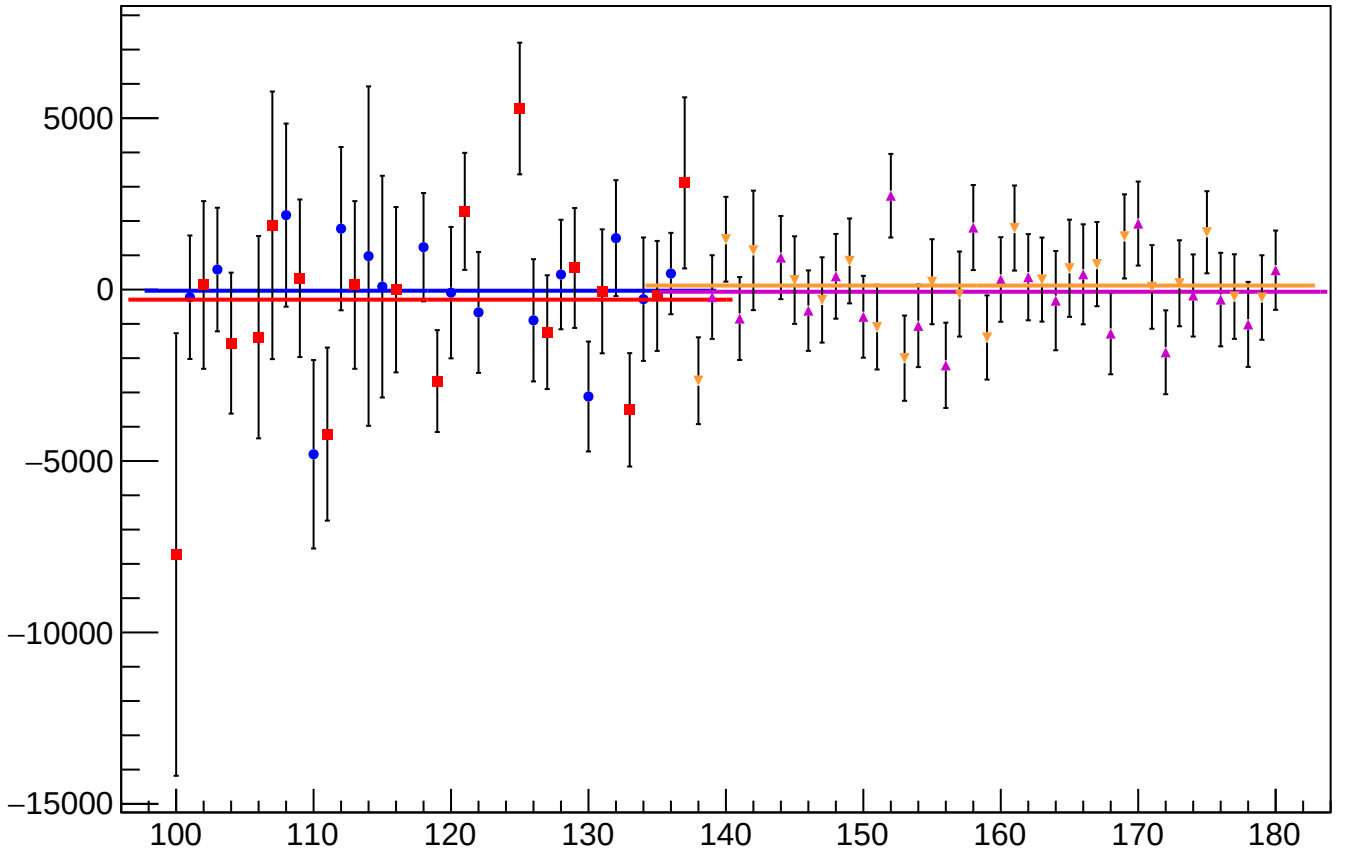
Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 552.537+/-0.096 χ^2/NDF:928890.5/20

+ sign 555.059+/-0.083 χ^2/NDF: 2523190.5/36

All: 554.943+/-0.058 χ^2/NDF: 5727649.4/75

- sign 554.829+/-0.082 χ^2/NDF: 3204455.0/38



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 118.202+/-274.783 χ^2/NDF:17.7/20

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

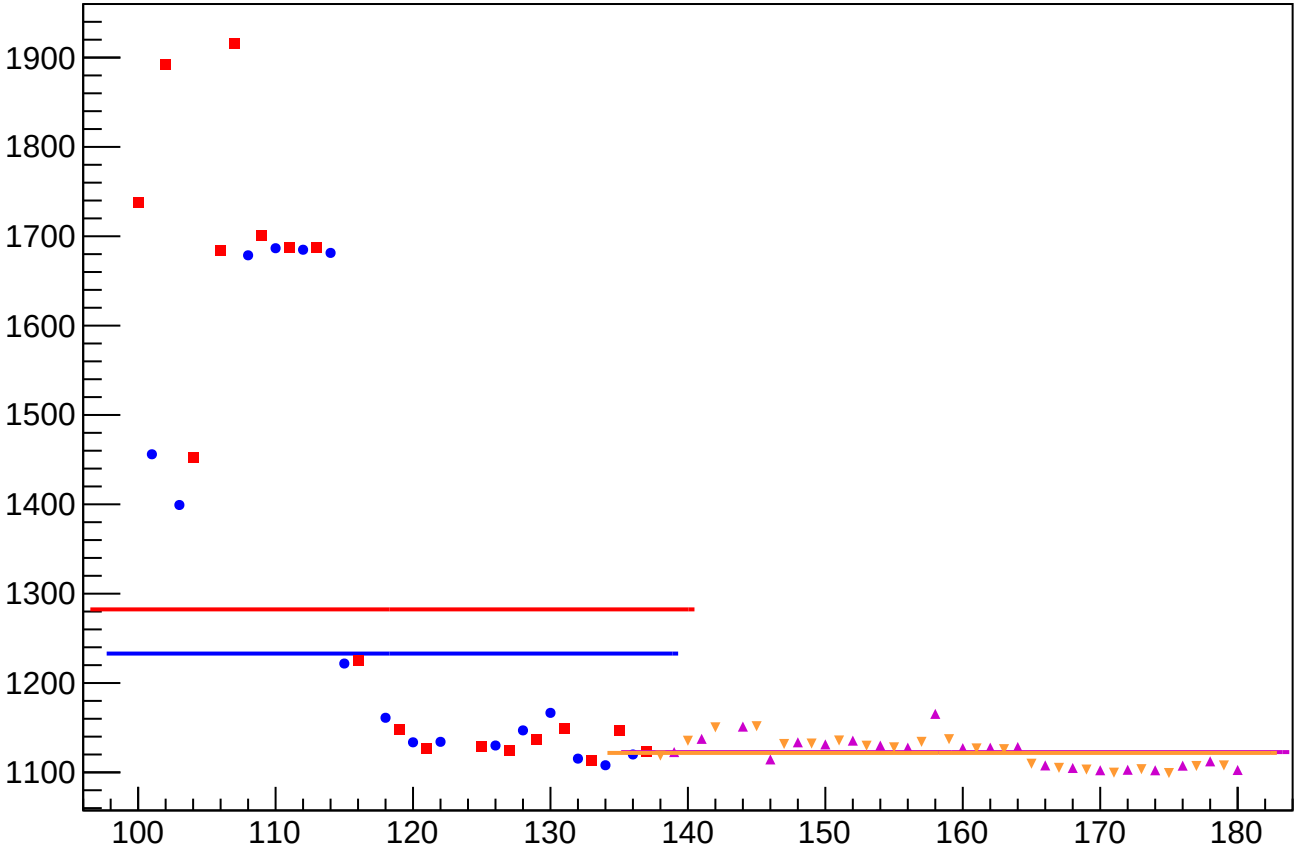
Left In: -63.028+/-270.302 χ^2/NDF:20.1/20

+ sign 78.828+/-236.329 χ^2/NDF: 28.0/36

All: -19.644+/-166.984 χ^2/NDF: 72.9/75

- 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: 1121.779+/-0.194 χ^2/NDF:6419.9/20

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

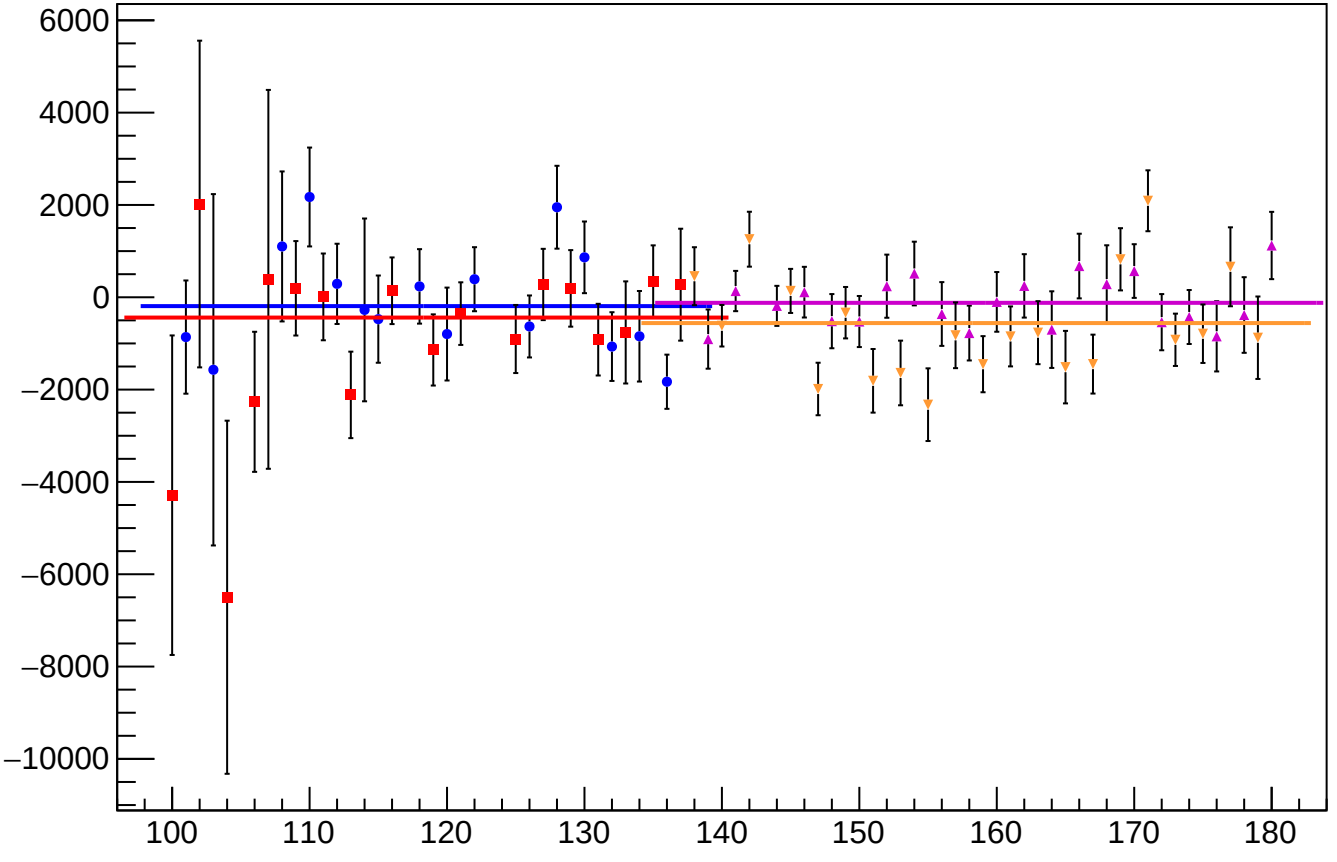
Left In: 1122.699+/-0.191 χ^2/NDF:7847.3/20

+ sign 1150.720+/-0.167 χ^2/NDF: 407125.5/36

All: 1155.712+/-0.118 χ^2/NDF: 1126236.4/75

- sign 1160.688+/-0.167 χ^2/NDF: 717329.3/38

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -558.903+/-137.662 χ^2/NDF:60.3/20

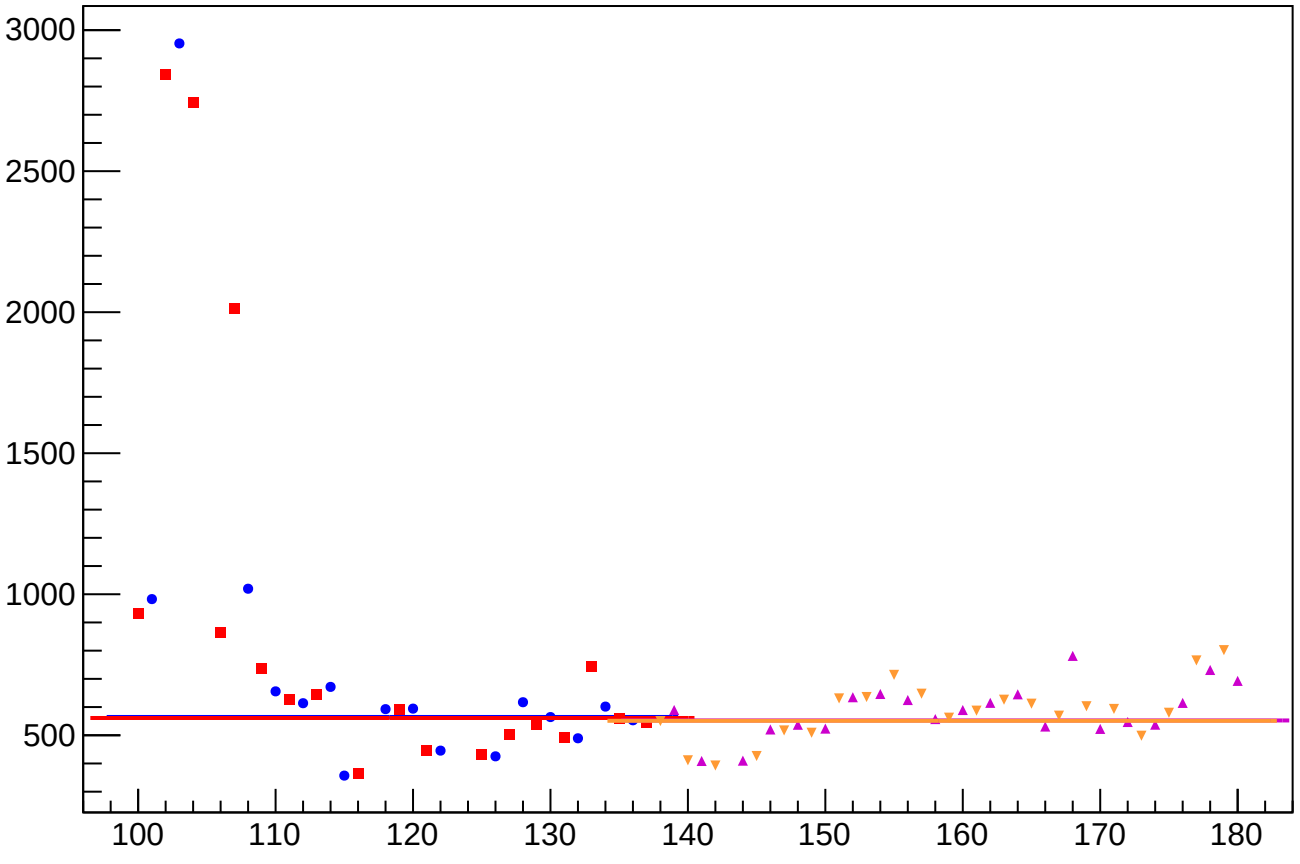
Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: -120.426+/-135.138 χ^2/NDF:13.9/20

\+ sign -457.377+/-117.105 χ^2/NDF: 87.5/36

All: -329.641+/-82.436 χ^2/NDF: 119.9/75

\- sign -204.165+/-116.065 χ^2/NDF: 30.0/38



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 551.311+/-0.097 χ^2/NDF:1037472.9/20

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

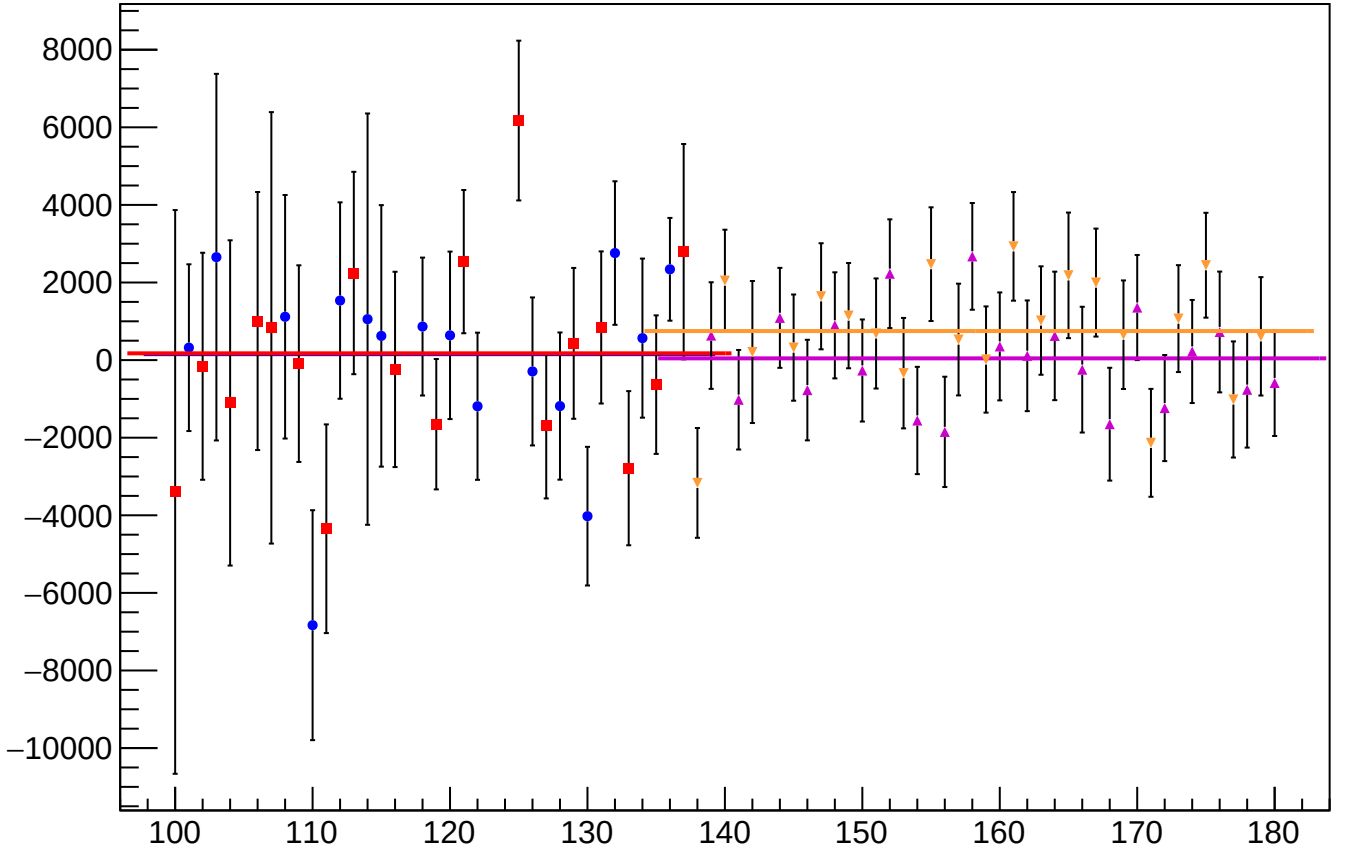
Left In: 552.536+/-0.096 χ^2/NDF:928904.1/20

+ sign 555.058+/-0.083 χ^2/NDF: 2523208.1/36

All: 554.942+/-0.058 χ^2/NDF: 5727681.5/75

- 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: 748.925+/-310.679 χ^2/NDF:23.0/20

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

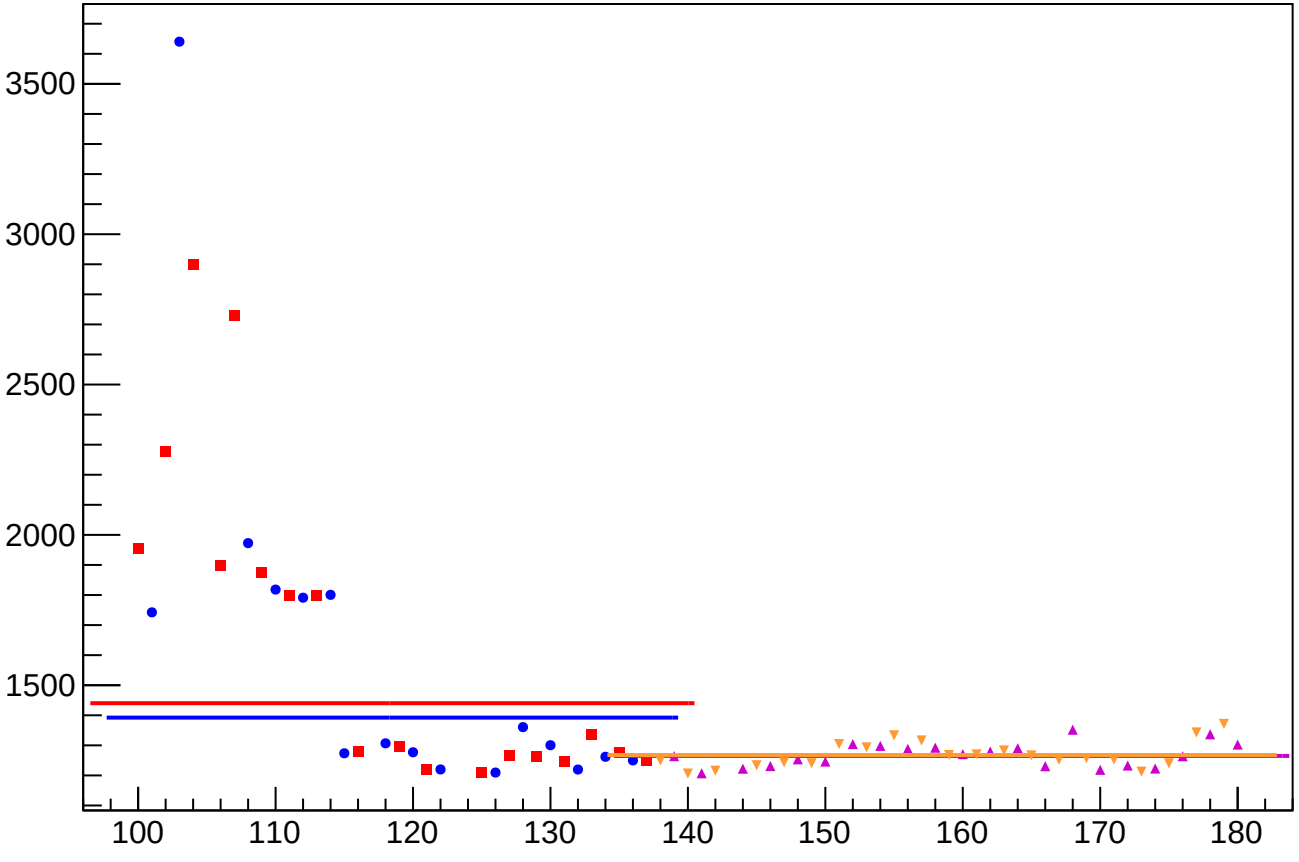
Left In: 44.900+/-304.664 χ^2/NDF:15.7/20

+ sign 597.513+/-268.294 χ^2/NDF: 41.7/36

All: 334.666+/-189.084 χ^2/NDF: 79.0/75

- 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: 1267.764+/-0.220 χ^2/NDF:36342.3/20

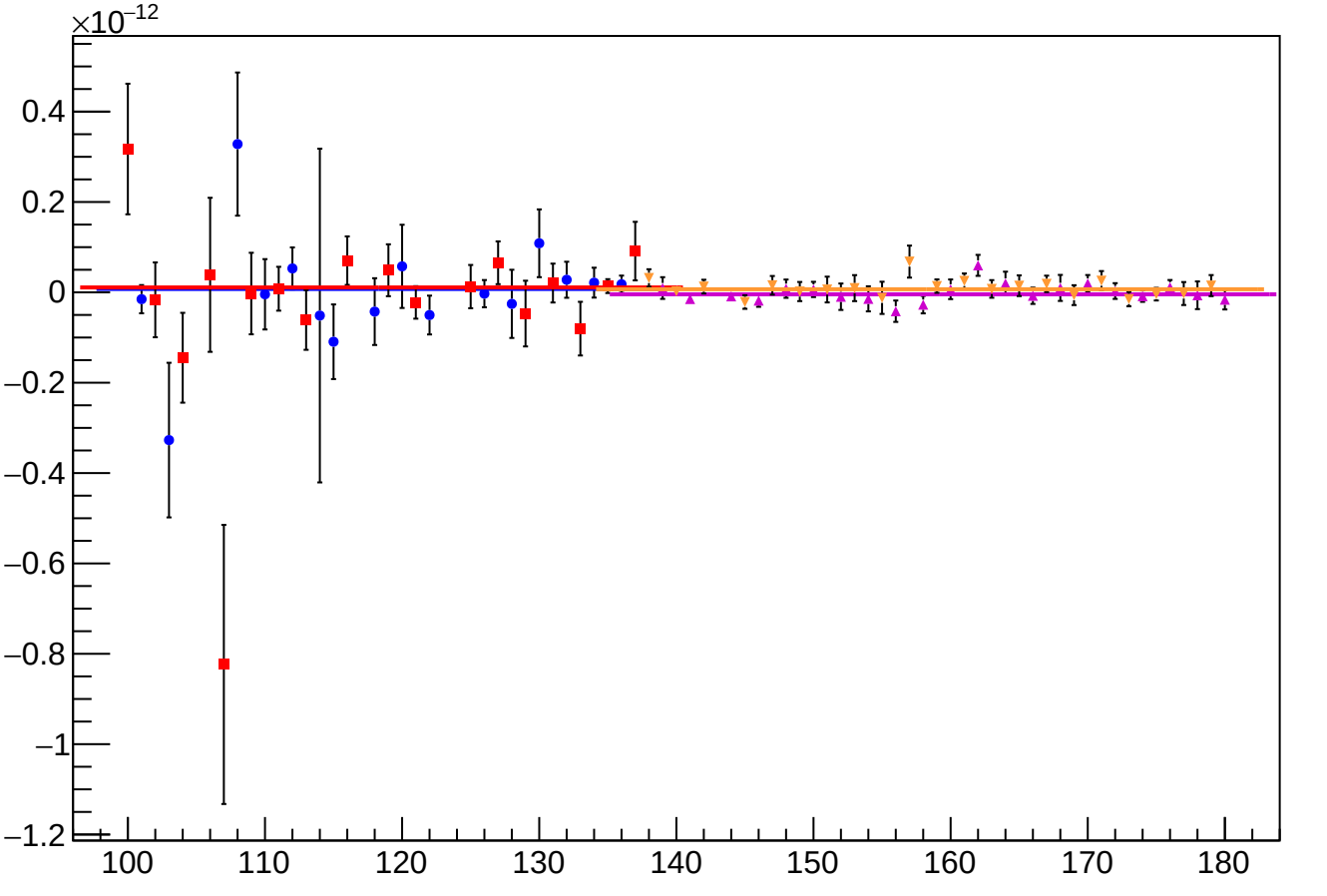
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1264.835+/-0.215 χ^2/NDF:32586.9/20

+ sign 1299.426+/-0.190 χ^2/NDF: 897284.1/36

All: 1302.734+/-0.134 χ^2/NDF: 1940918.0/75

- 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:14.8/20

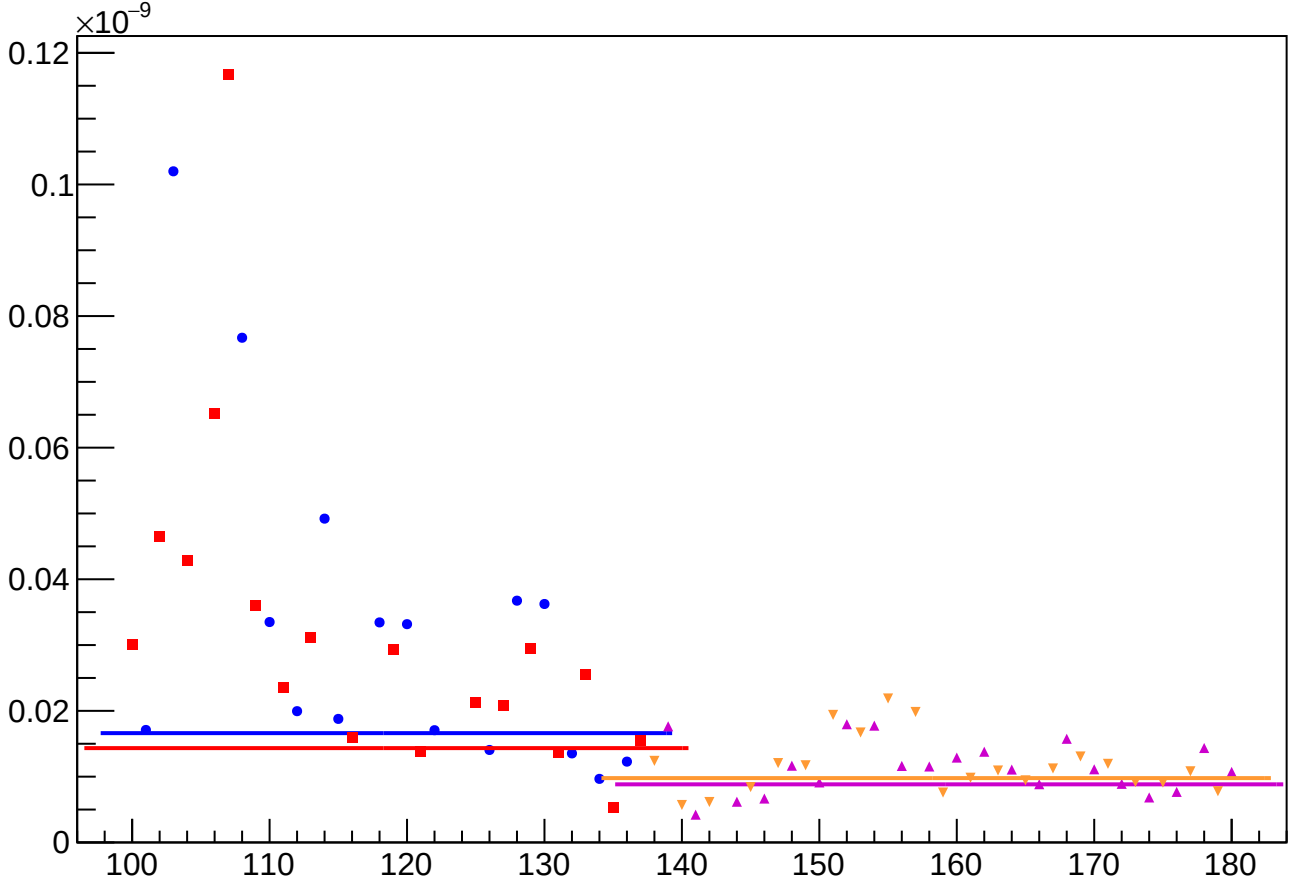
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 31.7/36

All: 0.000+/-0.000 χ^2/NDF: 80.7/75

- sign -0.000+/-0.000 χ^2/NDF: 45.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1369964.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

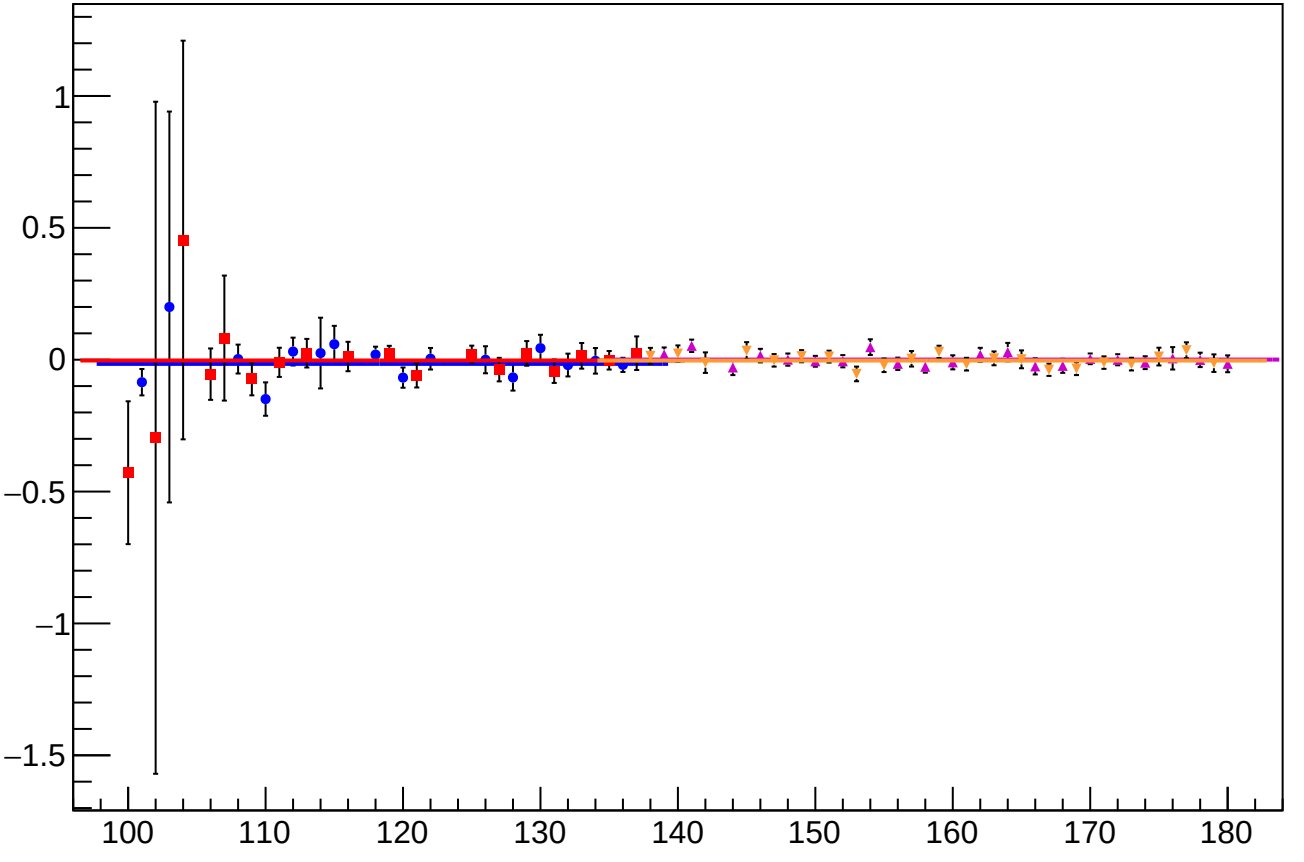
Left In: 0.000+/-0.000 χ^2/NDF:1896381.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 3636890.2/36

All: 0.000+/-0.000 χ^2/NDF: 8367605.7/75

- 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:15.9/20

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

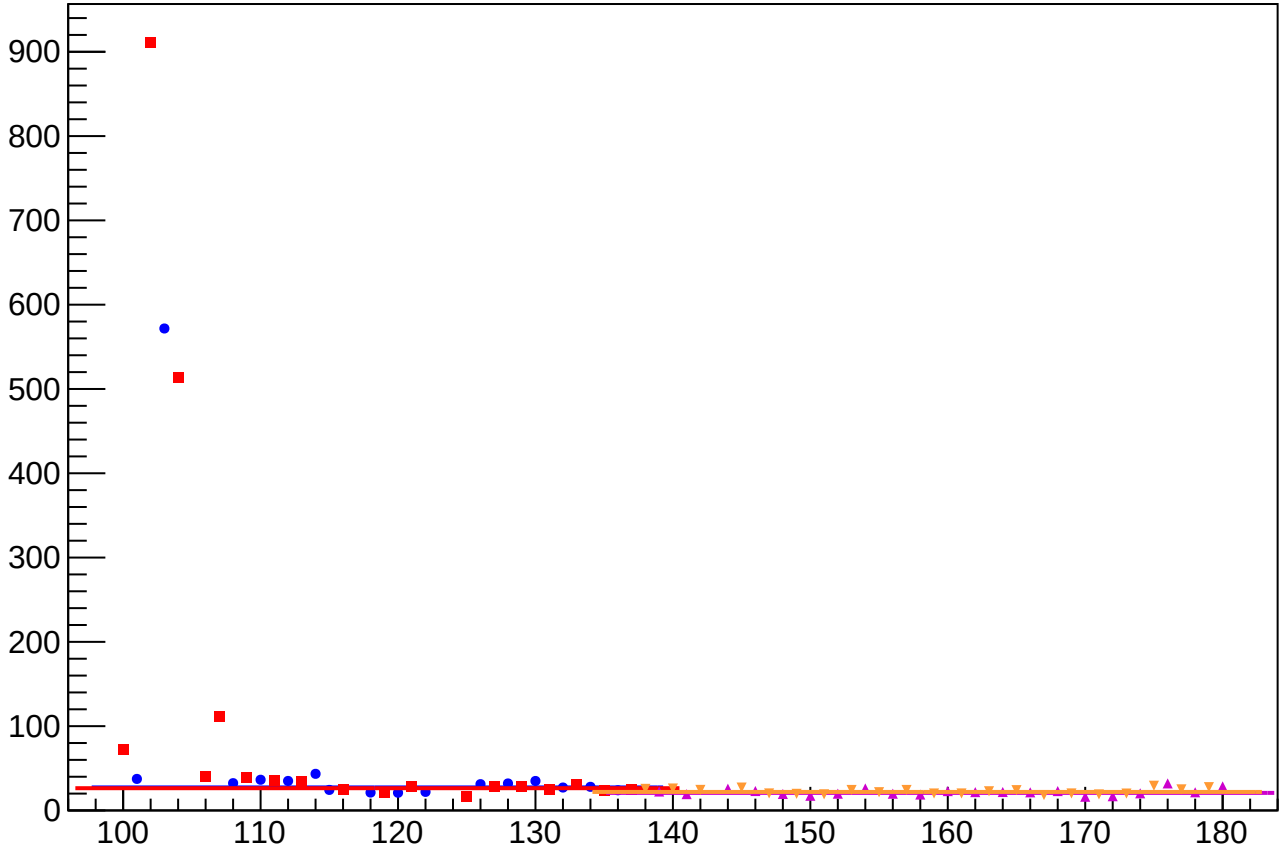
Left In: 0.000+/-0.006 χ^2/NDF:14.8/20

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/36

All: -0.003+/-0.004 χ^2/NDF: 56.8/75

- 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: 21.965+/-0.004 χ^2/NDF:520614.9/20

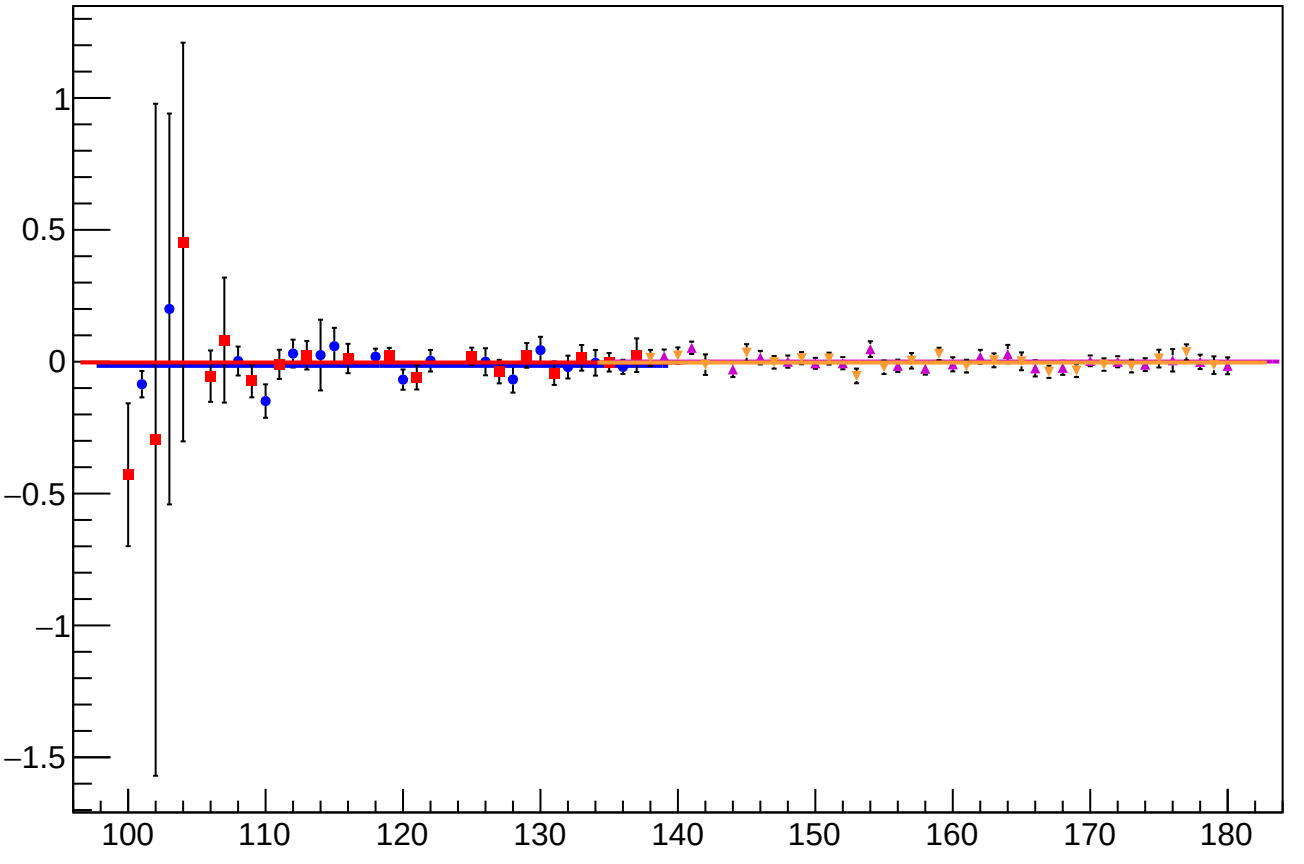
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.844+/-0.004 χ^2/NDF:694001.2/20

+ sign 23.059+/-0.004 χ^2/NDF: 2428300.8/36

All: 22.420+/-0.003 χ^2/NDF: 6146342.4/75

- 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:15.9/20

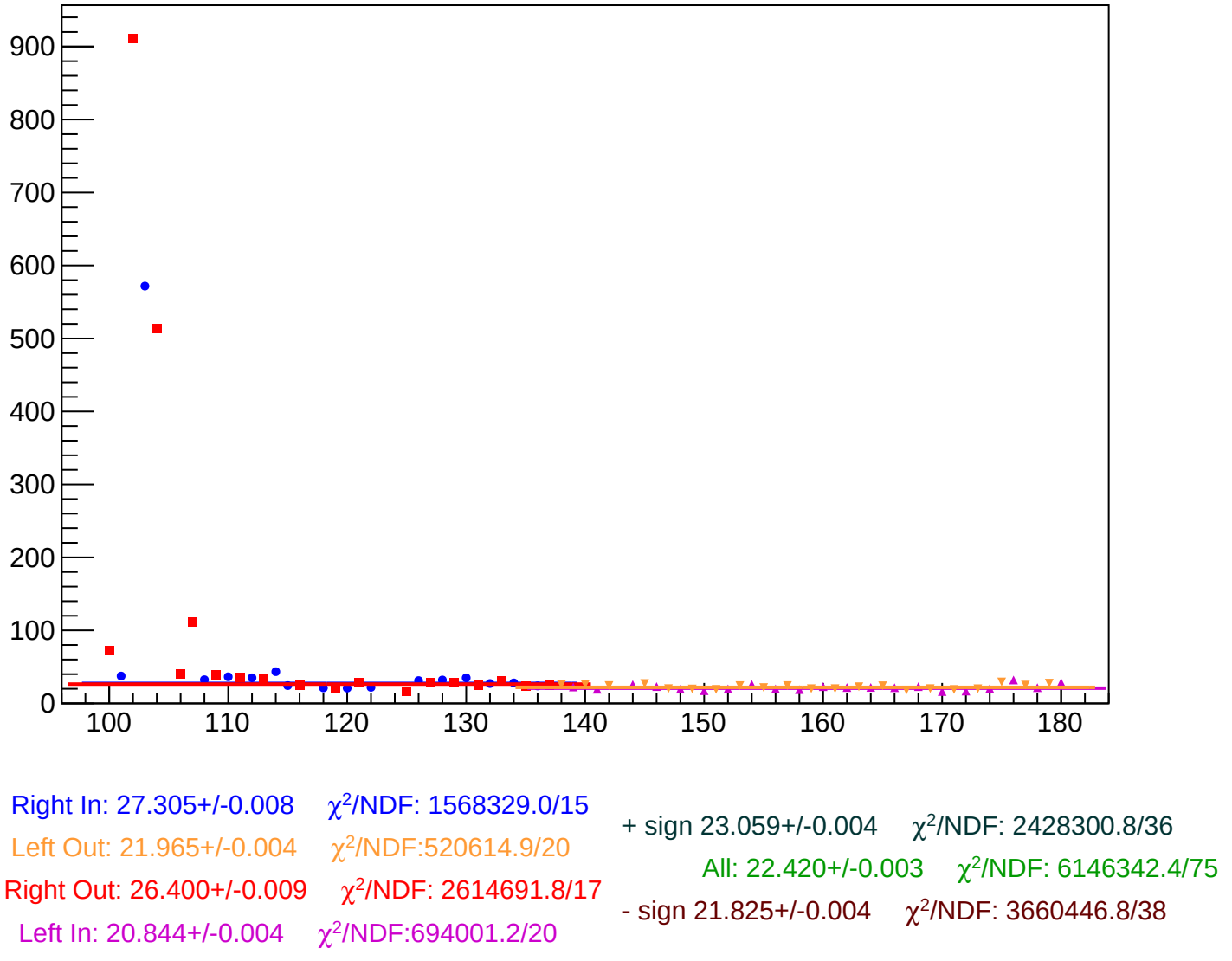
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

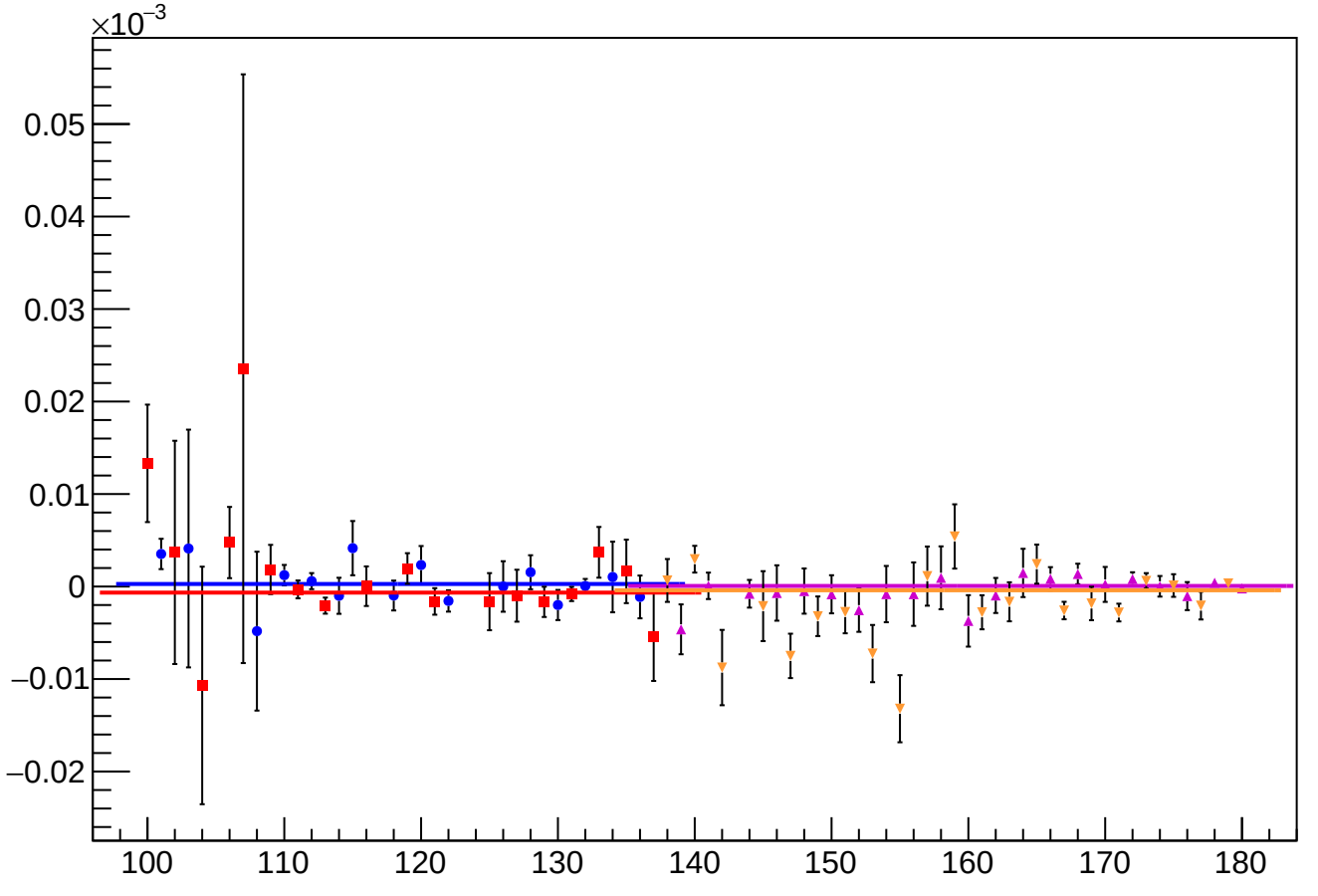
Left In: 0.000+/-0.006 χ^2/NDF:14.8/20

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/36

All: -0.003+/-0.004 χ^2/NDF: 56.8/75

- sign -0.000+/-0.005 χ^2/NDF: 24.7/38


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 27.305+/-0.008 χ²/NDF: 1568329.0/15
Left Out: 21.965+/-0.004 χ²/NDF:520614.9/20
Right Out: 26.400+/-0.009 χ²/NDF: 2614691.8/17
Left In: 20.844+/-0.004 χ²/NDF:694001.2/20
+ sign 23.059+/-0.004 χ²/NDF: 2428300.8/36
All: 22.420+/-0.003 χ²/NDF: 6146342.4/75
- 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:66.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

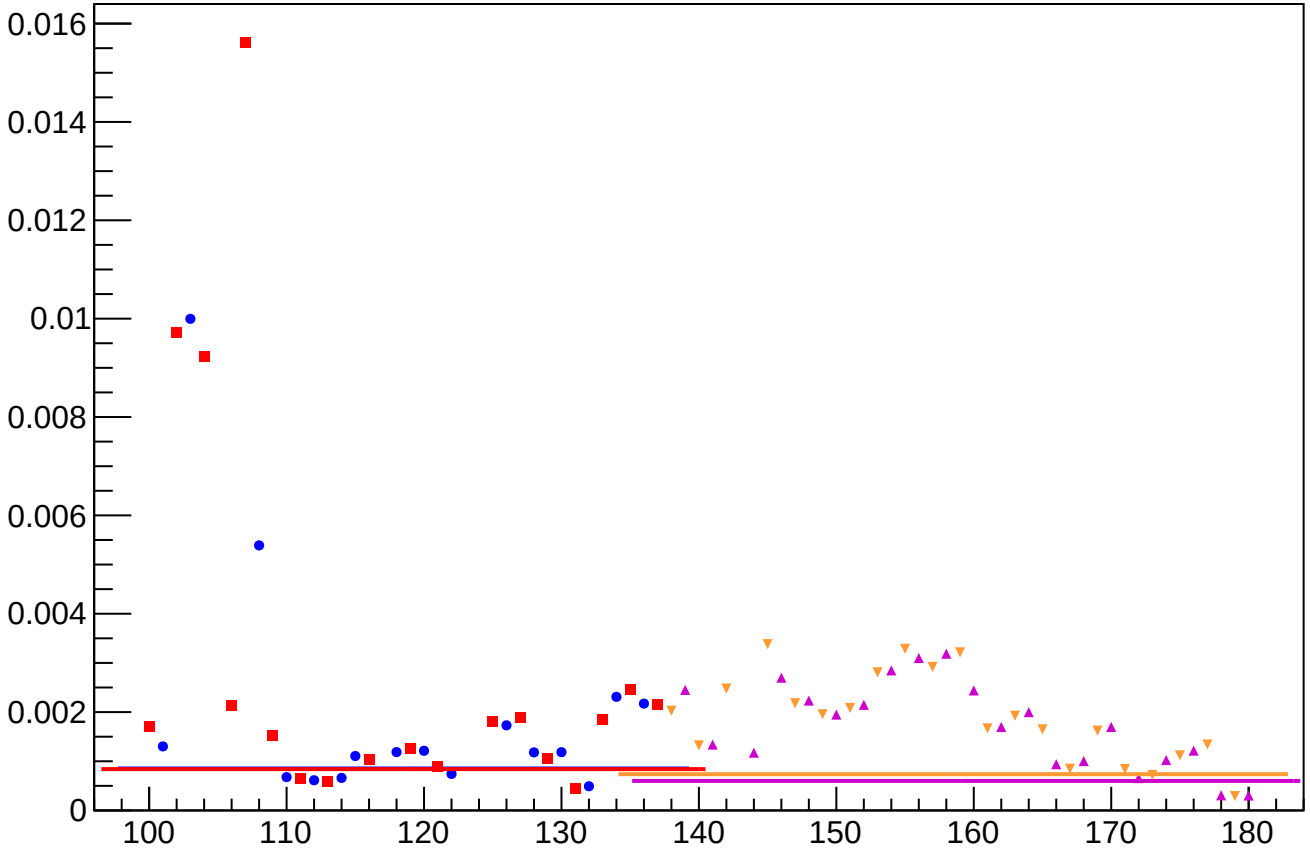
Left In: 0.000+/-0.000 χ^2/NDF:12.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 82.8/36

All: -0.000+/-0.000 χ^2/NDF: 117.3/75

- 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:14459335.2/20

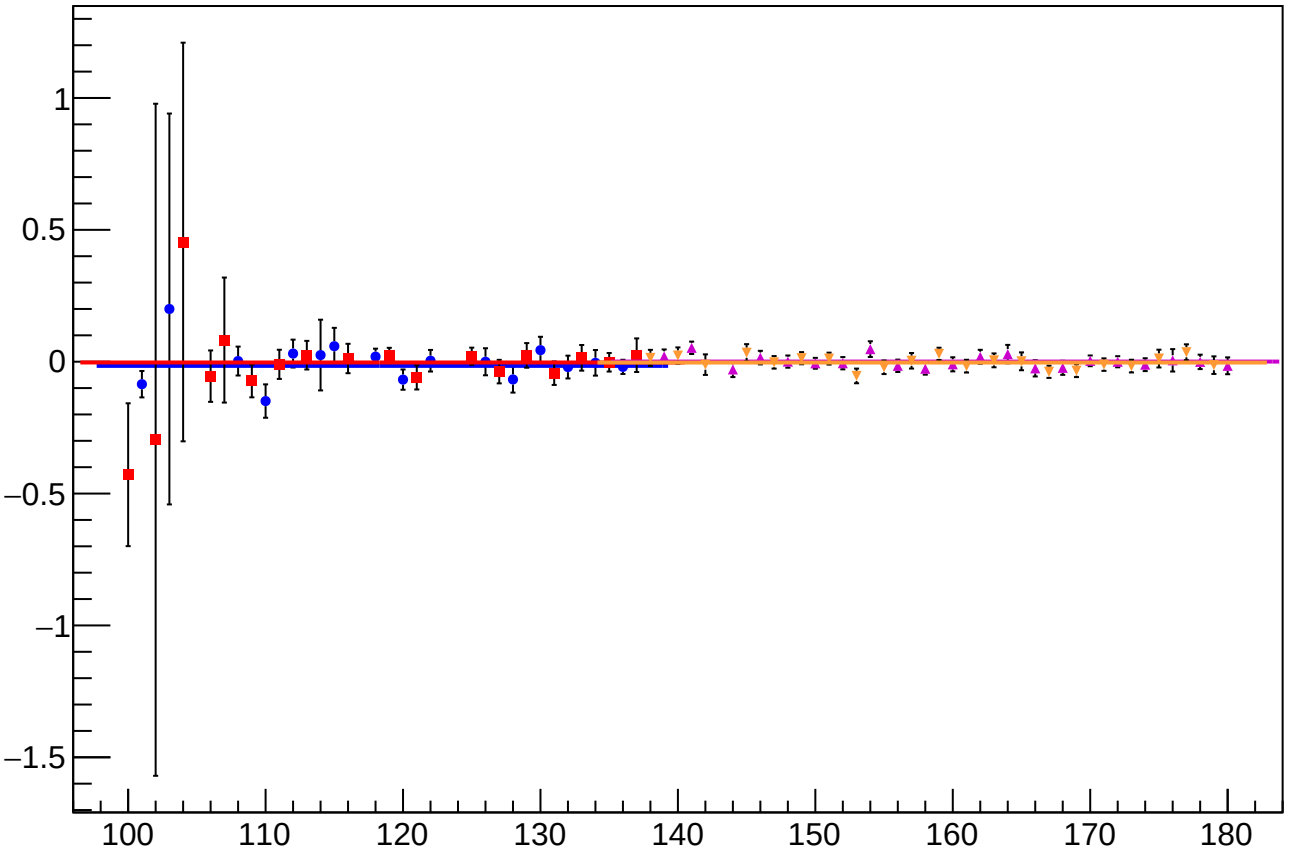
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:15452905.3/20

+ sign 0.001+/-0.000 χ^2/NDF: 18456885.7/36

All: 0.001+/-0.000 χ^2/NDF: 39921232.5/75

- 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:15.9/20

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

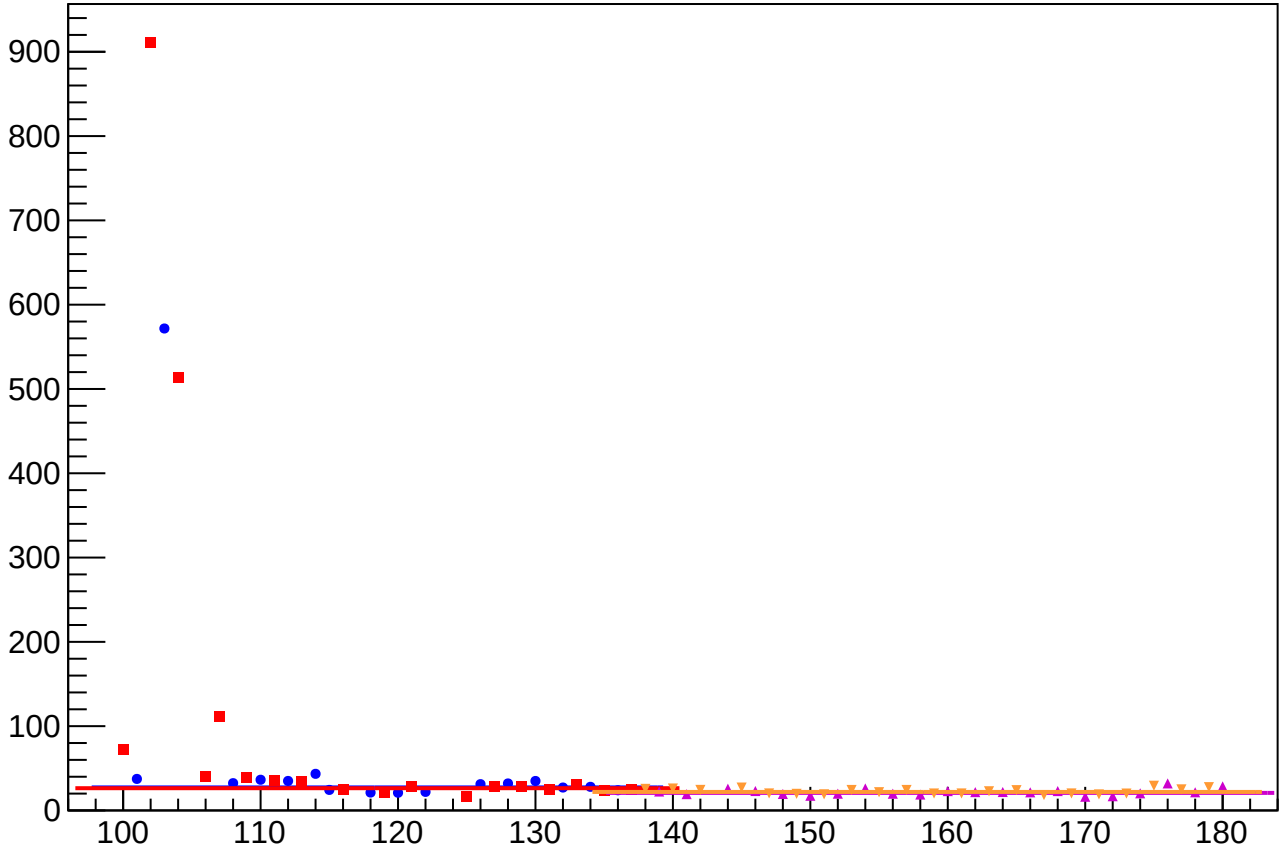
Left In: 0.000+/-0.006 χ^2/NDF:14.8/20

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/36

All: -0.003+/-0.004 χ^2/NDF: 56.8/75

- sign -0.000+/-0.005 χ^2/NDF: 24.7/38

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.965+/-0.004 χ^2/NDF:520587.0/20

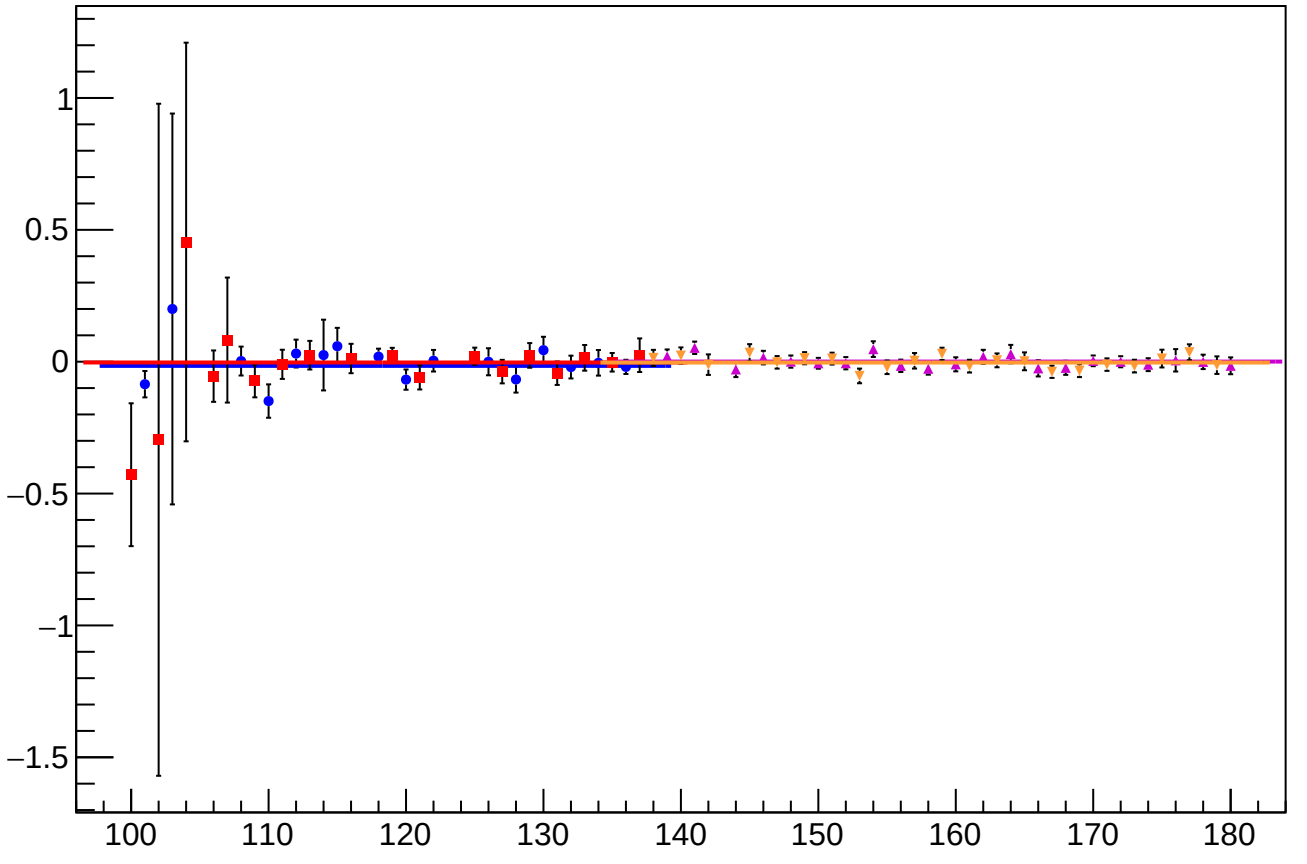
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.844+/-0.004 χ^2/NDF:694017.7/20

+ sign 23.059+/-0.004 χ^2/NDF: 2428274.3/36

All: 22.420+/-0.003 χ^2/NDF: 6146352.4/75

- sign 21.825+/-0.004 χ^2/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:15.9/20

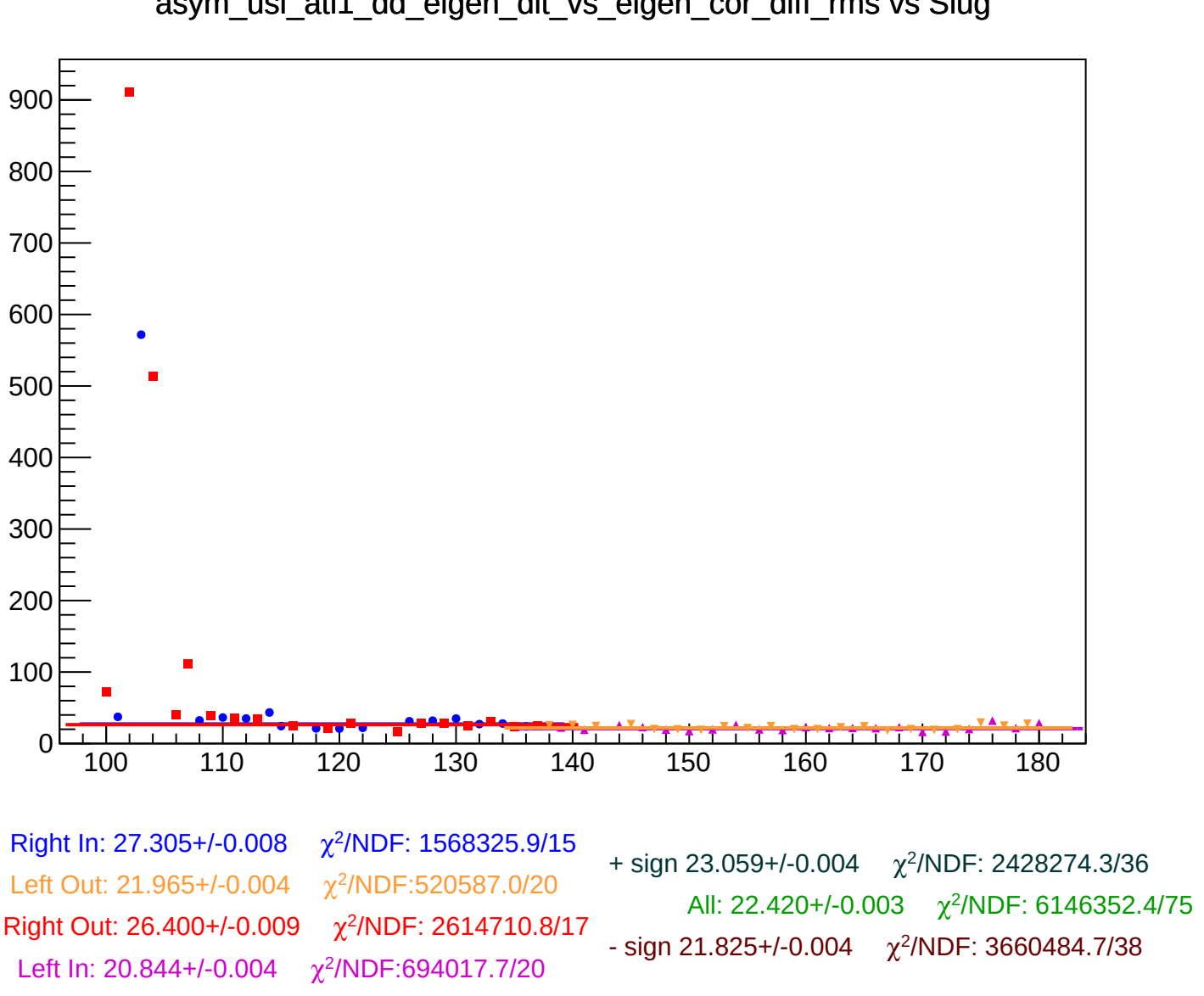
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

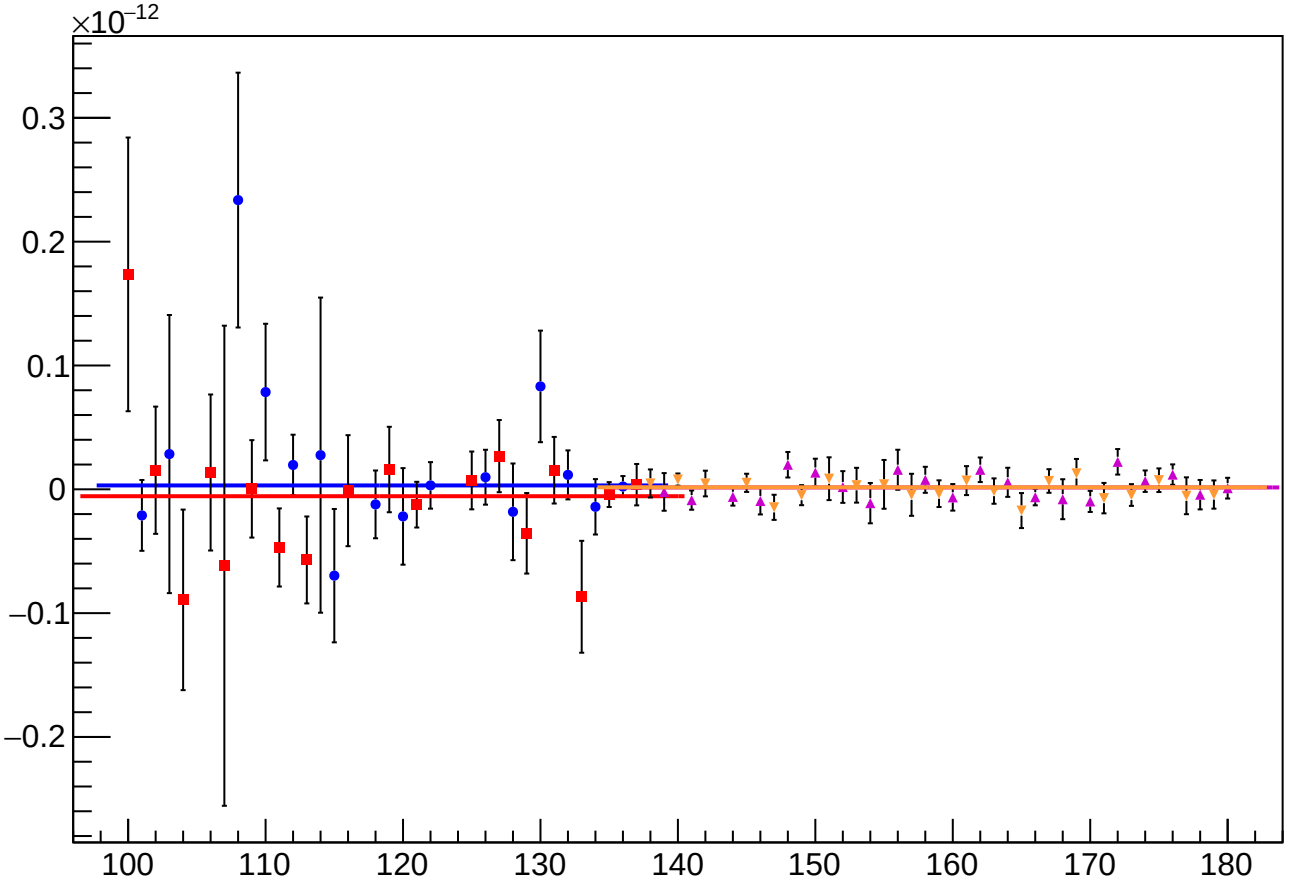
Left In: 0.000+/-0.006 χ^2/NDF:14.8/20

+ sign -0.006+/-0.005 χ^2/NDF: 31.5/36

All: -0.003+/-0.004 χ^2/NDF: 56.8/75

- sign -0.000+/-0.005 χ^2/NDF: 24.7/38


asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 21.965+/-0.004 χ²/NDF:520587.0/20
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 20.844+/-0.004 χ²/NDF:694017.7/20
+ sign 23.059+/-0.004 χ²/NDF: 2428274.3/36
All: 22.420+/-0.003 χ²/NDF: 6146352.4/75
- sign 21.825+/-0.004 χ²/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:10.8/20

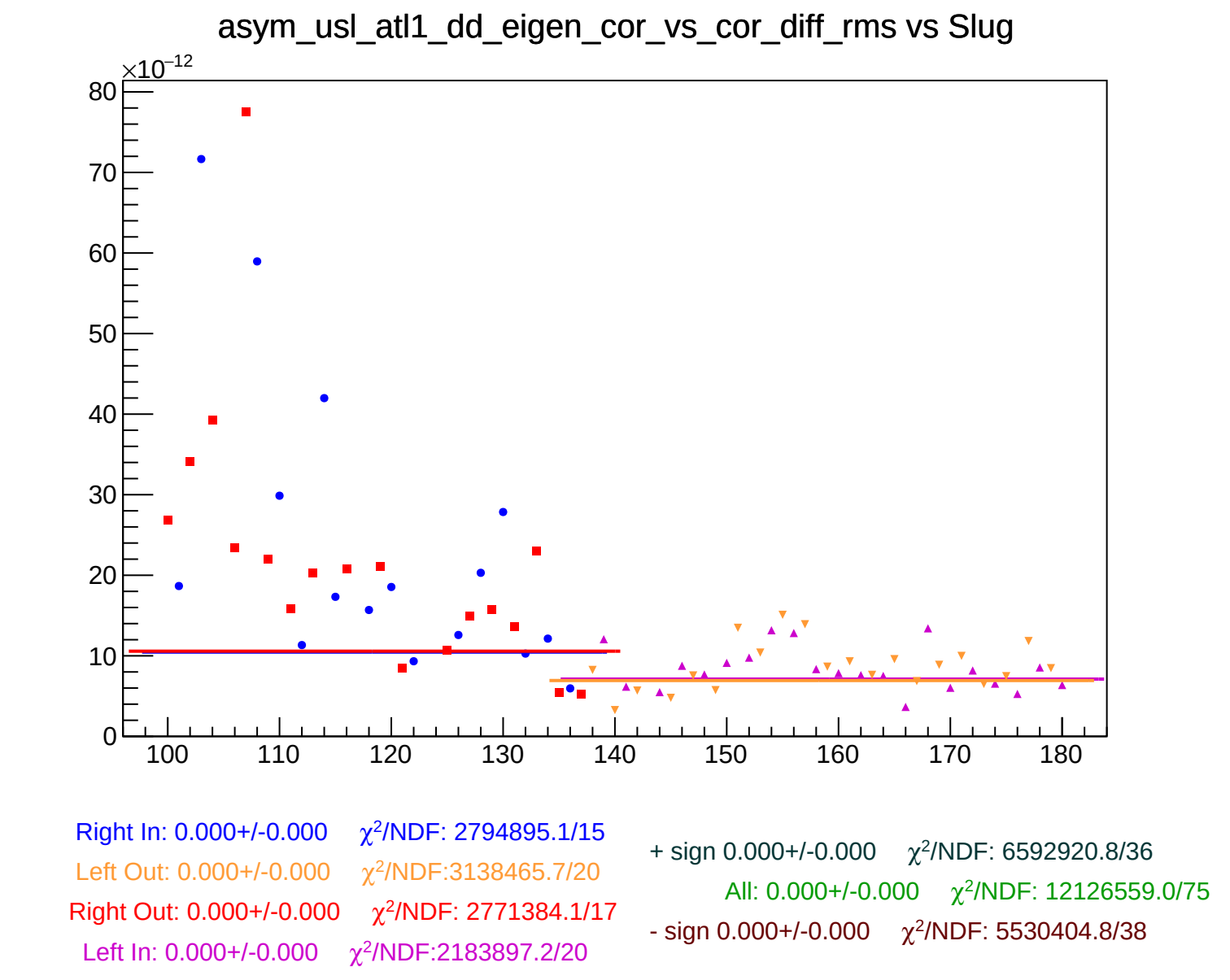
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:22.5/20

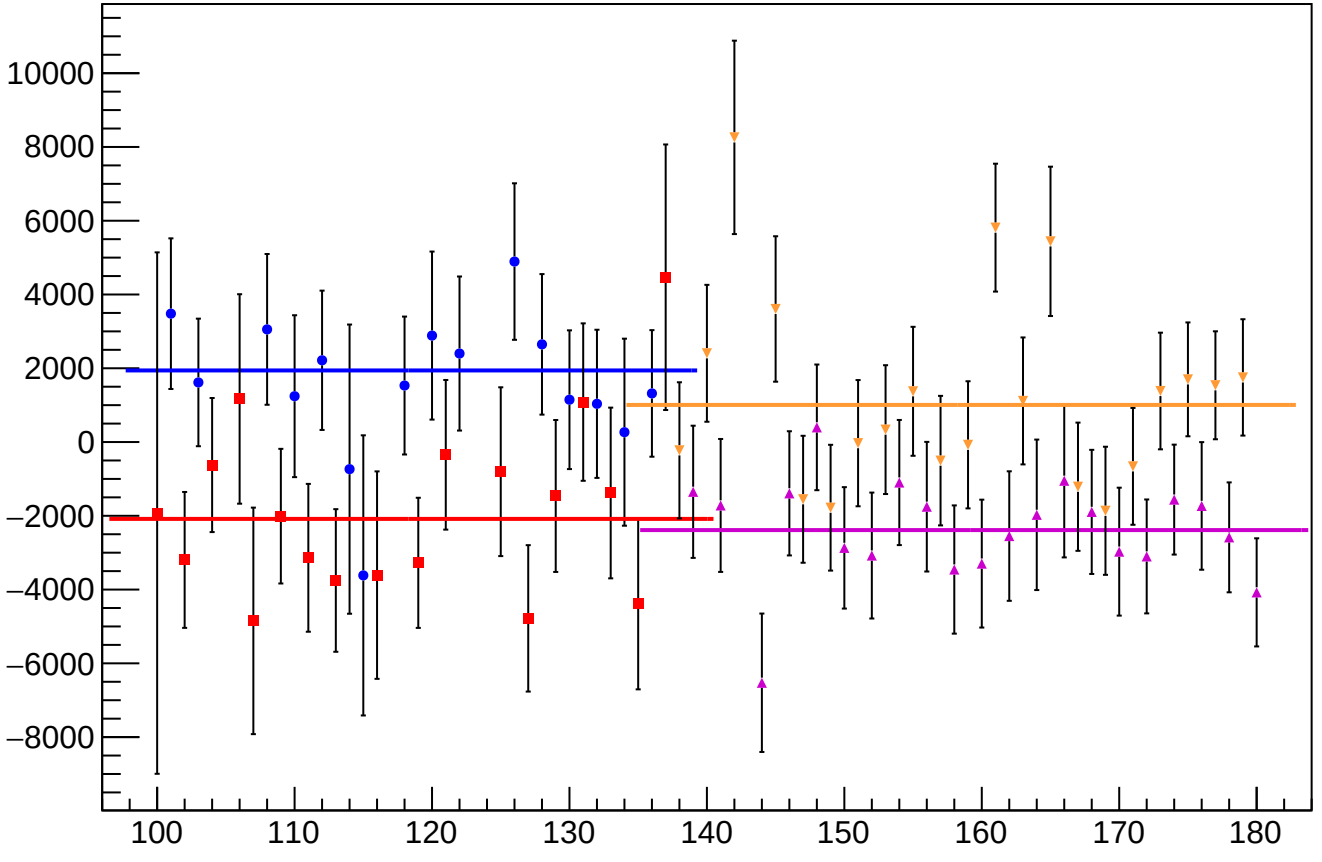
+ sign 0.000+/-0.000 χ^2/NDF: 25.9/36

All: 0.000+/-0.000 χ^2/NDF: 65.0/75

- sign 0.000+/-0.000 χ^2/NDF: 38.9/38


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3138465.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2183897.2/20
+ sign 0.000+/-0.000 χ²/NDF: 6592920.8/36
All: 0.000+/-0.000 χ²/NDF: 12126559.0/75
- 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: 1005.930+/-378.245 χ^2/NDF:35.5/20

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

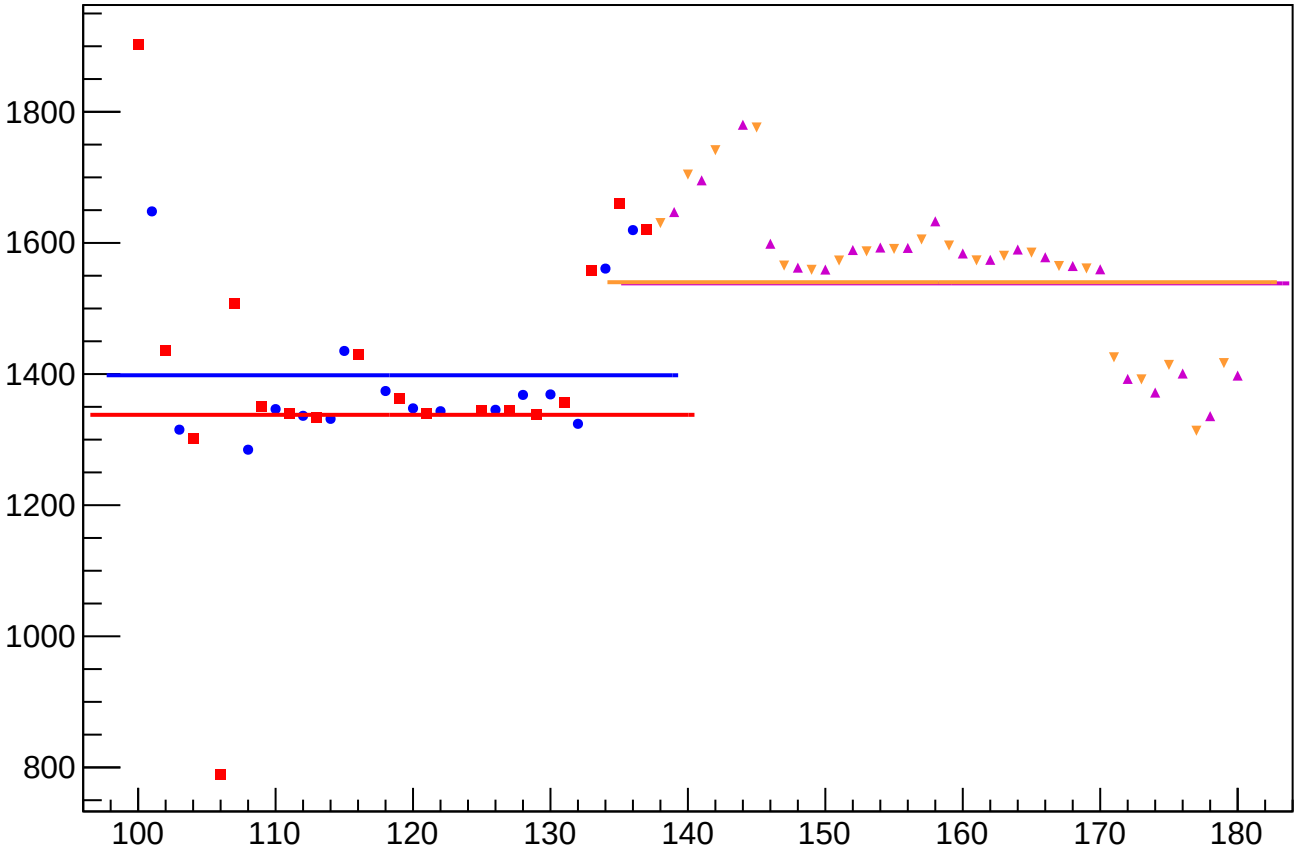
Left In: -2387.229+/-371.407 χ^2/NDF:12.6/20

+ sign 1327.713+/-306.323 χ^2/NDF: 44.6/36

All: -503.252+/-215.113 χ^2/NDF: 142.4/75

- 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: 1540.096+/-0.267 χ^2/NDF:175383.1/20

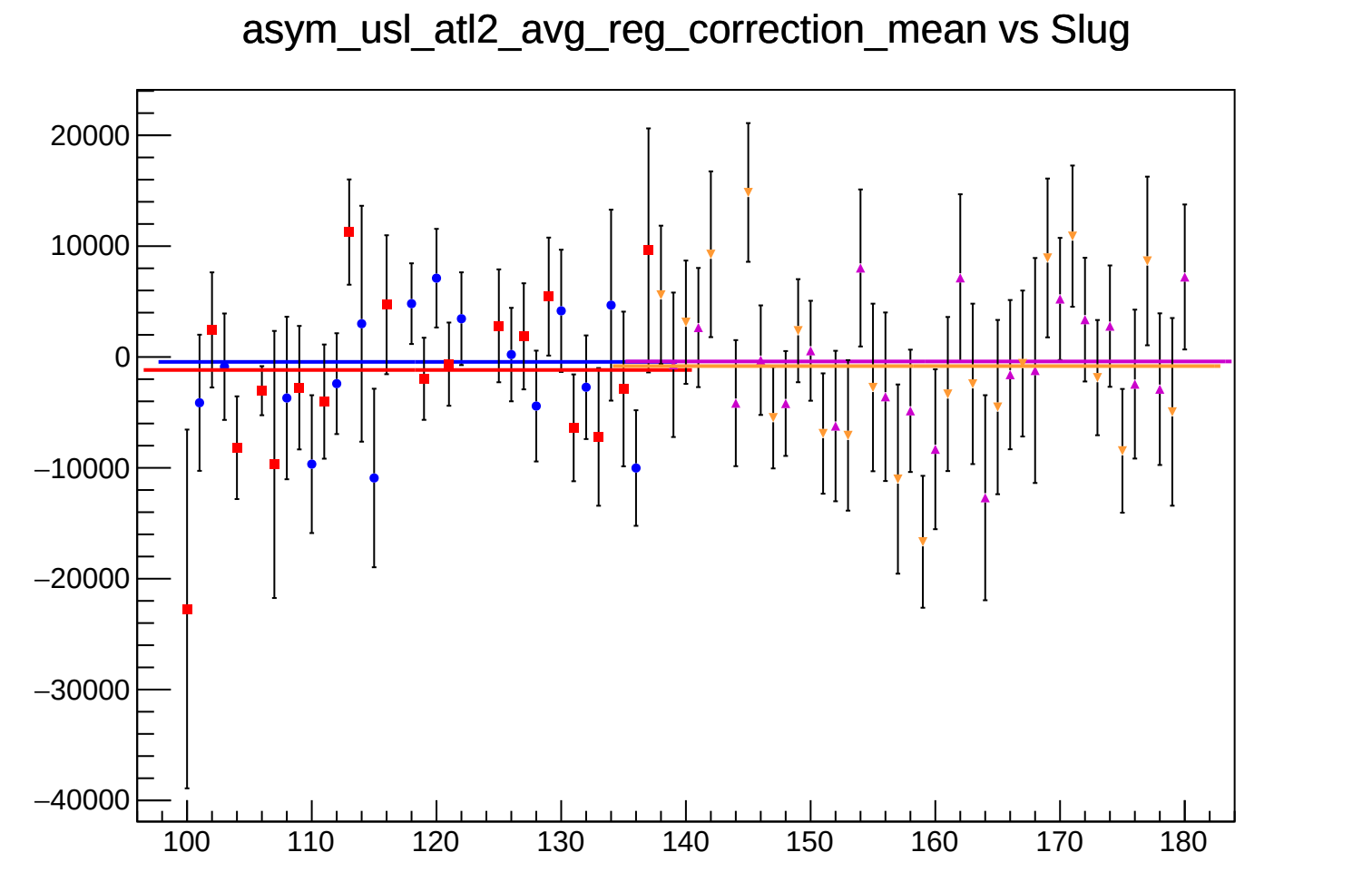
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1538.339+/-0.263 χ^2/NDF:186650.3/20

+ sign 1491.251+/-0.217 χ^2/NDF: 366222.8/36

All: 1479.158+/-0.151 χ^2/NDF: 1082240.2/75

- 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: -820.631+/-1368.387 χ^2/NDF:31.2/20

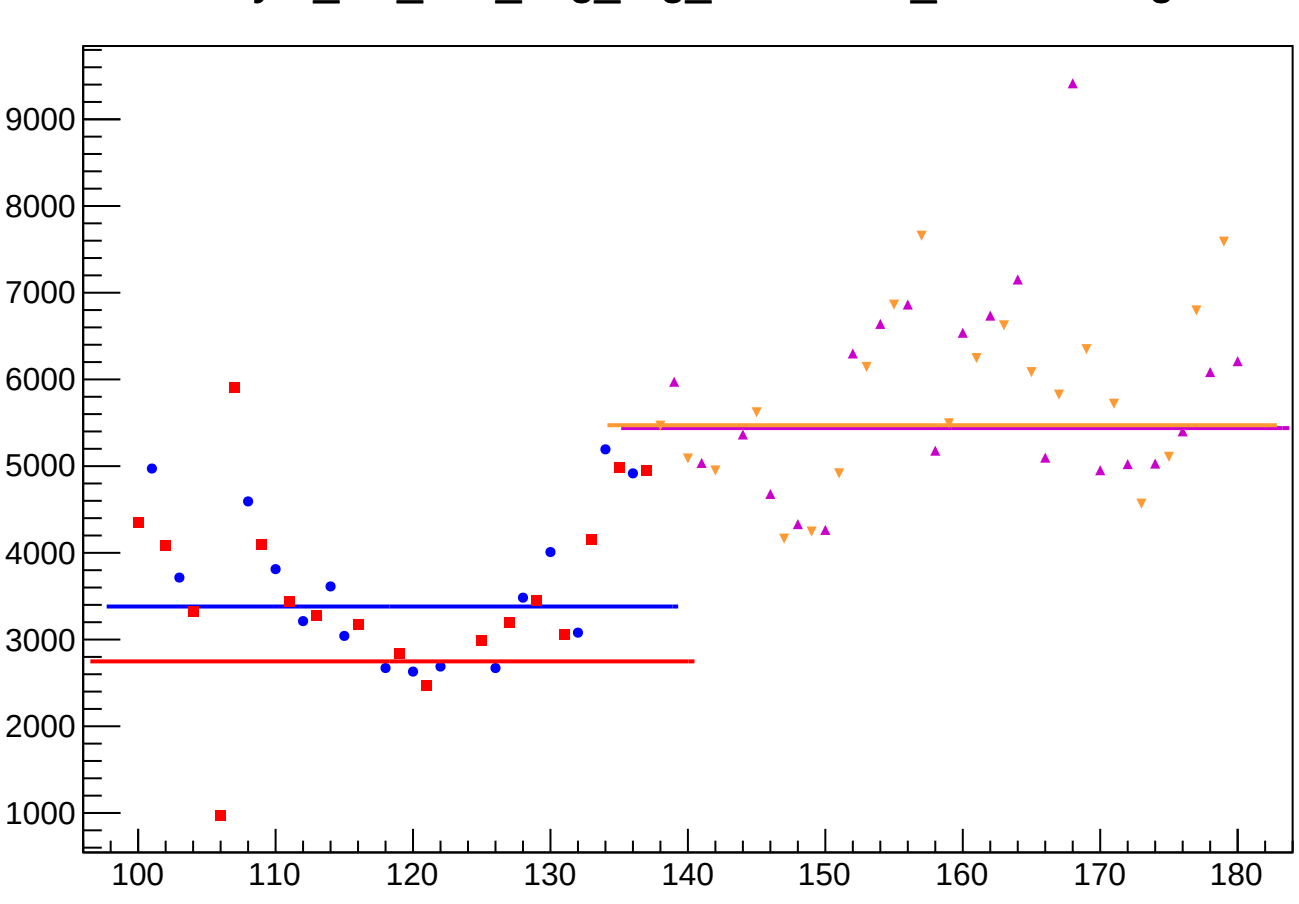
Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

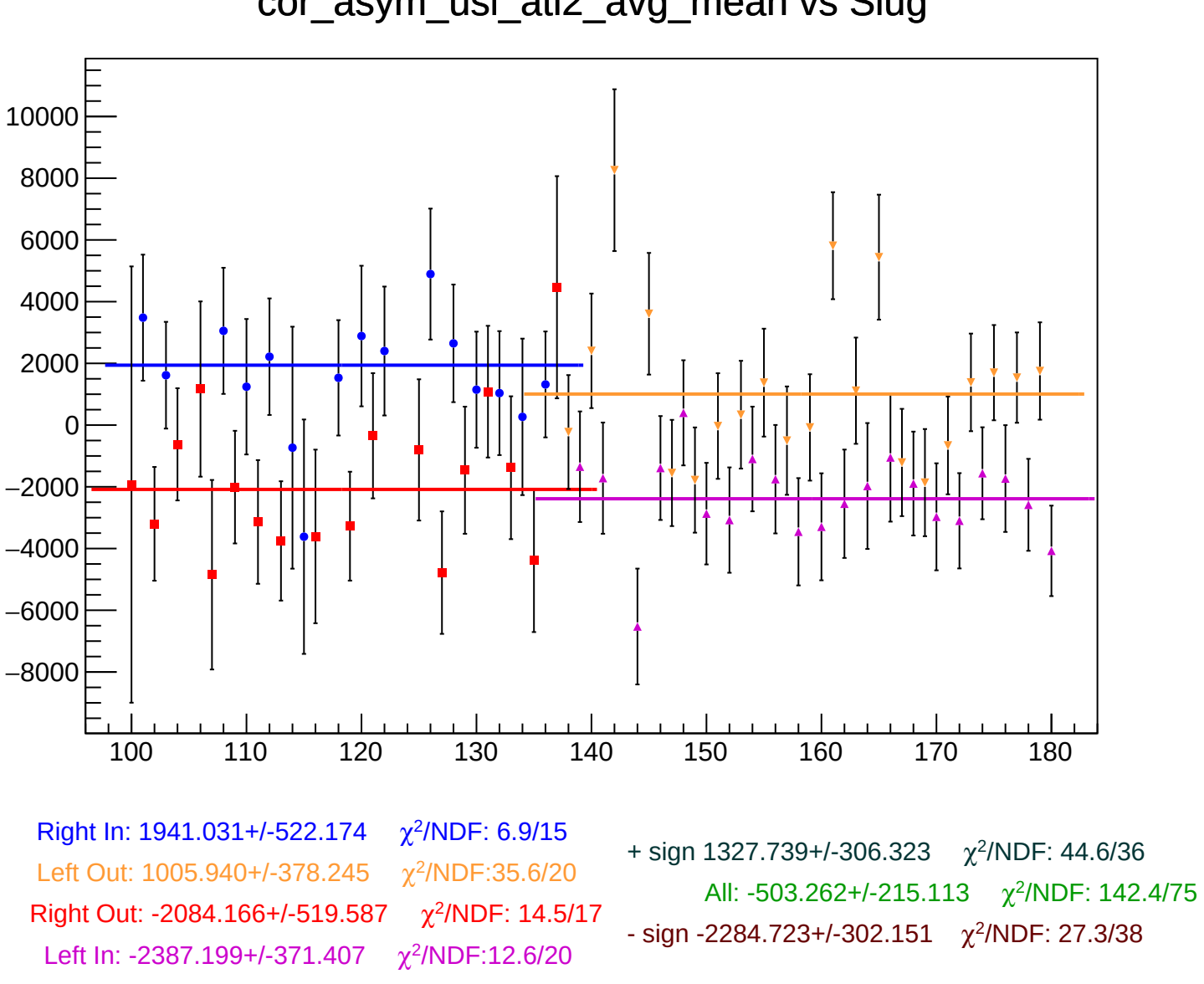
Left In: -401.336+/-1334.685 χ^2/NDF:11.9/20

+ sign -620.570+/-940.928 χ^2/NDF: 47.1/36

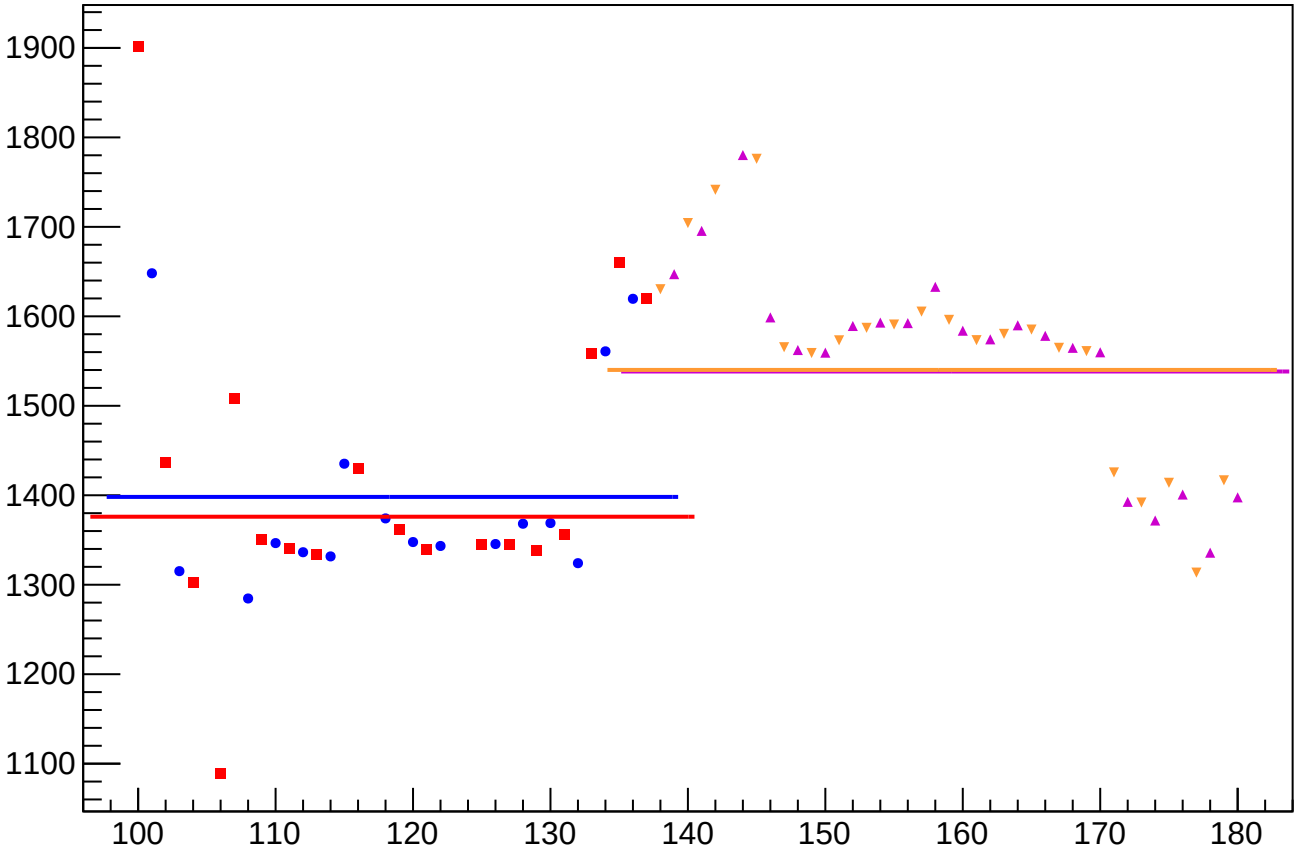
All: -747.670+/-633.952 χ^2/NDF: 78.9/75

- sign -853.330+/-857.899 χ^2/NDF: 31.7/38


asym_usl_atl2_avg_reg_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 3381.117+/-0.916 χ²/NDF: 757146.6/15
Left Out: 5471.845+/-0.968 χ²/NDF:943219.9/20
Right Out: 2748.372+/-0.792 χ²/NDF: 2264563.8/17
Left In: 5438.770+/-0.944 χ²/NDF:1052052.1/20
+ sign 4369.654+/-0.665 χ²/NDF: 4161678.8/36
All: 4091.314+/-0.448 χ²/NDF: 12567801.4/7
- sign 3859.929+/-0.607 χ²/NDF: 8085621.4/38


cor_asym_usl_atl2_avg_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: 1941.031+/-522.174 χ²/NDF: 6.9/15
Left Out: 1005.940+/-378.245 χ²/NDF:35.6/20
Right Out: -2084.166+/-519.587 χ²/NDF: 14.5/17
Left In: -2387.199+/-371.407 χ²/NDF:12.6/20
+ sign 1327.739+/-306.323 χ²/NDF: 44.6/36
All: -503.262+/-215.113 χ²/NDF: 142.4/75
- sign -2284.723+/-302.151 χ²/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: 1540.096+/-0.267 χ^2/NDF:175383.1/20

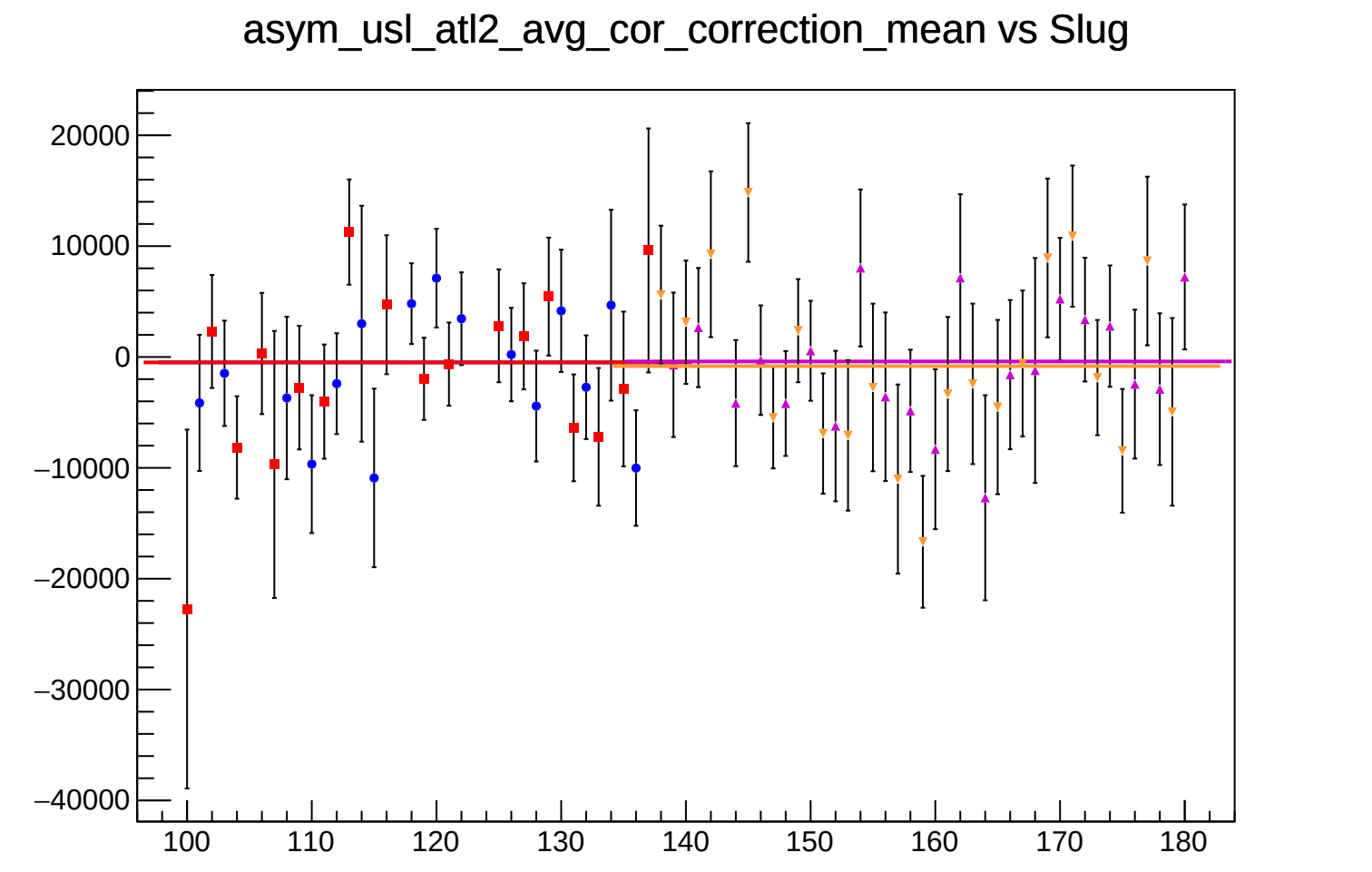
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1538.339+/-0.263 χ^2/NDF:186650.3/20

+ sign 1491.251+/-0.217 χ^2/NDF: 366222.9/36

All: 1486.781+/-0.152 χ^2/NDF: 799220.4/75

- 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: -820.648+/-1368.388 χ^2/NDF:31.2/20

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

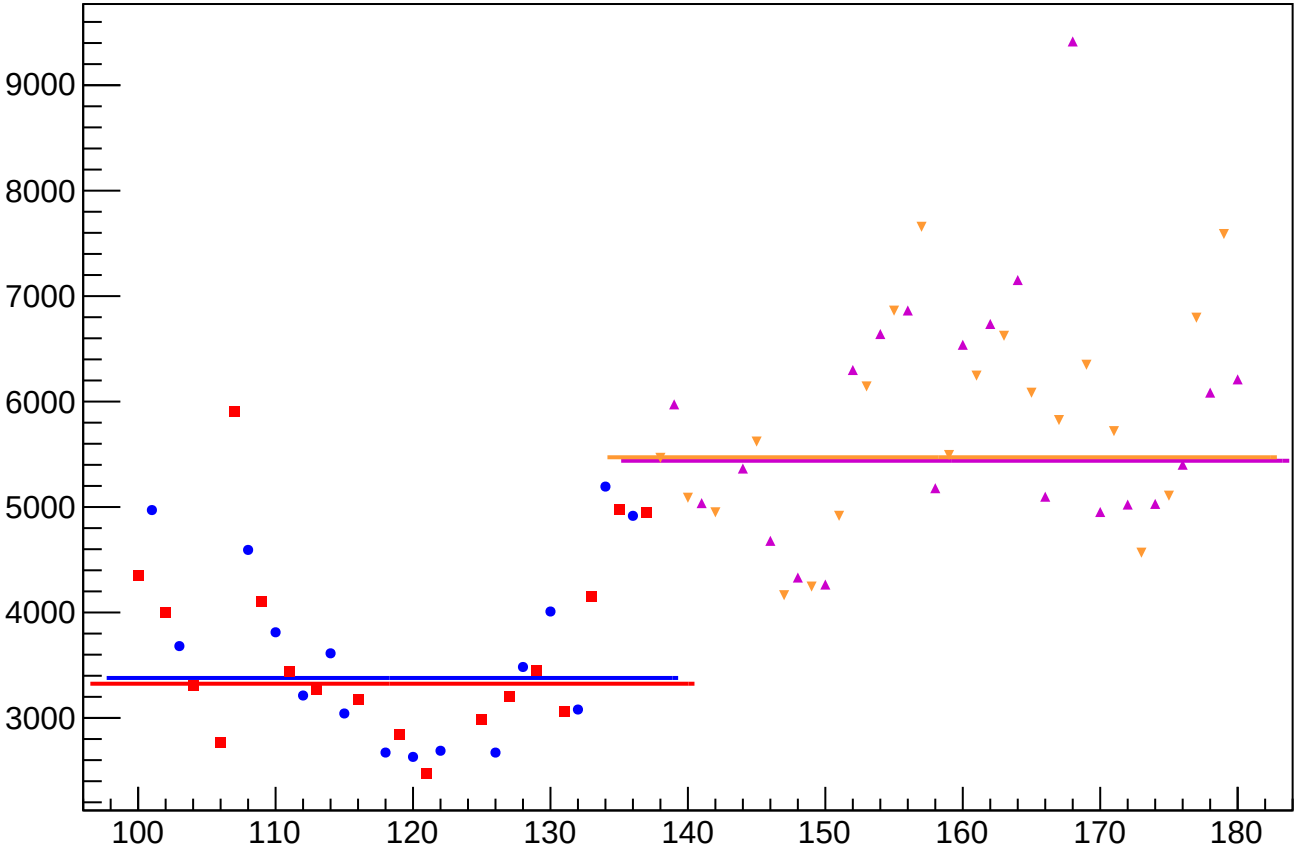
Left In: -401.412+/-1334.683 χ^2/NDF:11.9/20

+ sign -644.398+/-940.551 χ^2/NDF: 47.2/36

All: -543.405+/-656.484 χ^2/NDF: 77.8/75

- 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: 5471.849+/-0.968 χ^2/NDF:943215.9/20

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

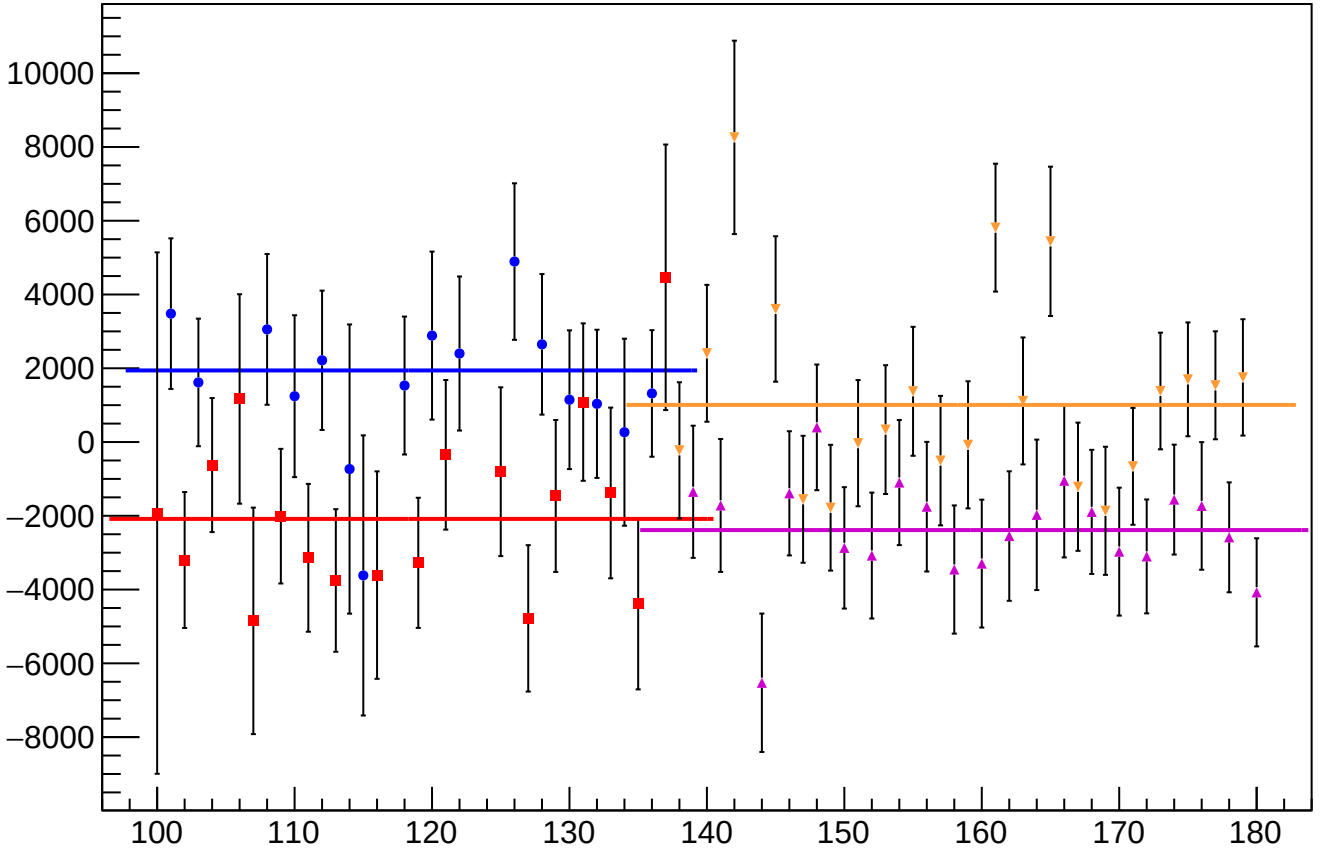
Left In: 5438.765+/-0.944 χ^2/NDF:1052060.2/20

+ sign 4367.804+/-0.665 χ^2/NDF: 4166378.6/36

All: 4344.263+/-0.464 χ^2/NDF: 8415904.1/75

- 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: 1005.940+/-378.245 χ^2/NDF:35.6/20

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

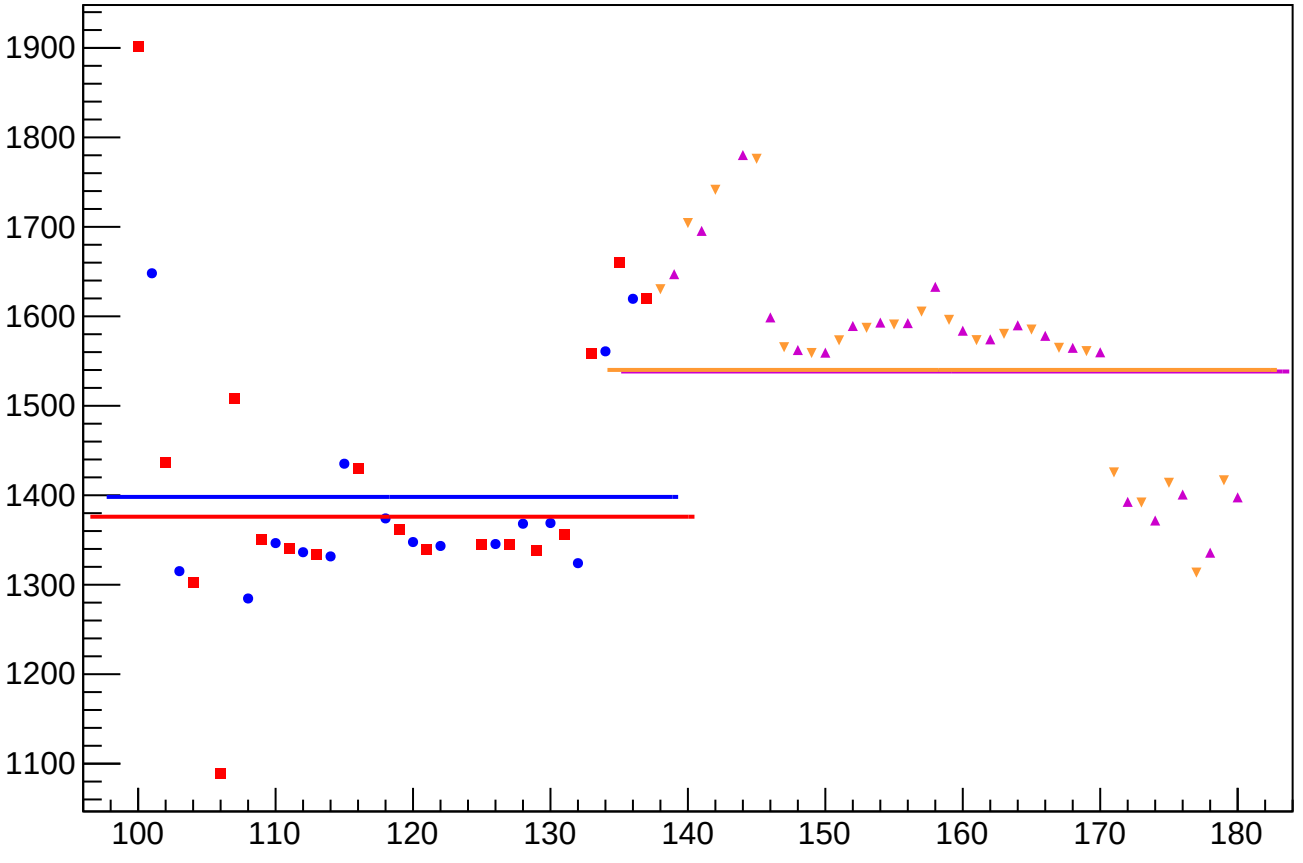
Left In: -2387.199+/-371.407 χ^2/NDF:12.6/20

+ sign 1327.739+/-306.323 χ^2/NDF: 44.6/36

All: -503.262+/-215.113 χ^2/NDF: 142.4/75

- 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: 1540.096+/-0.267 χ^2/NDF:175383.1/20

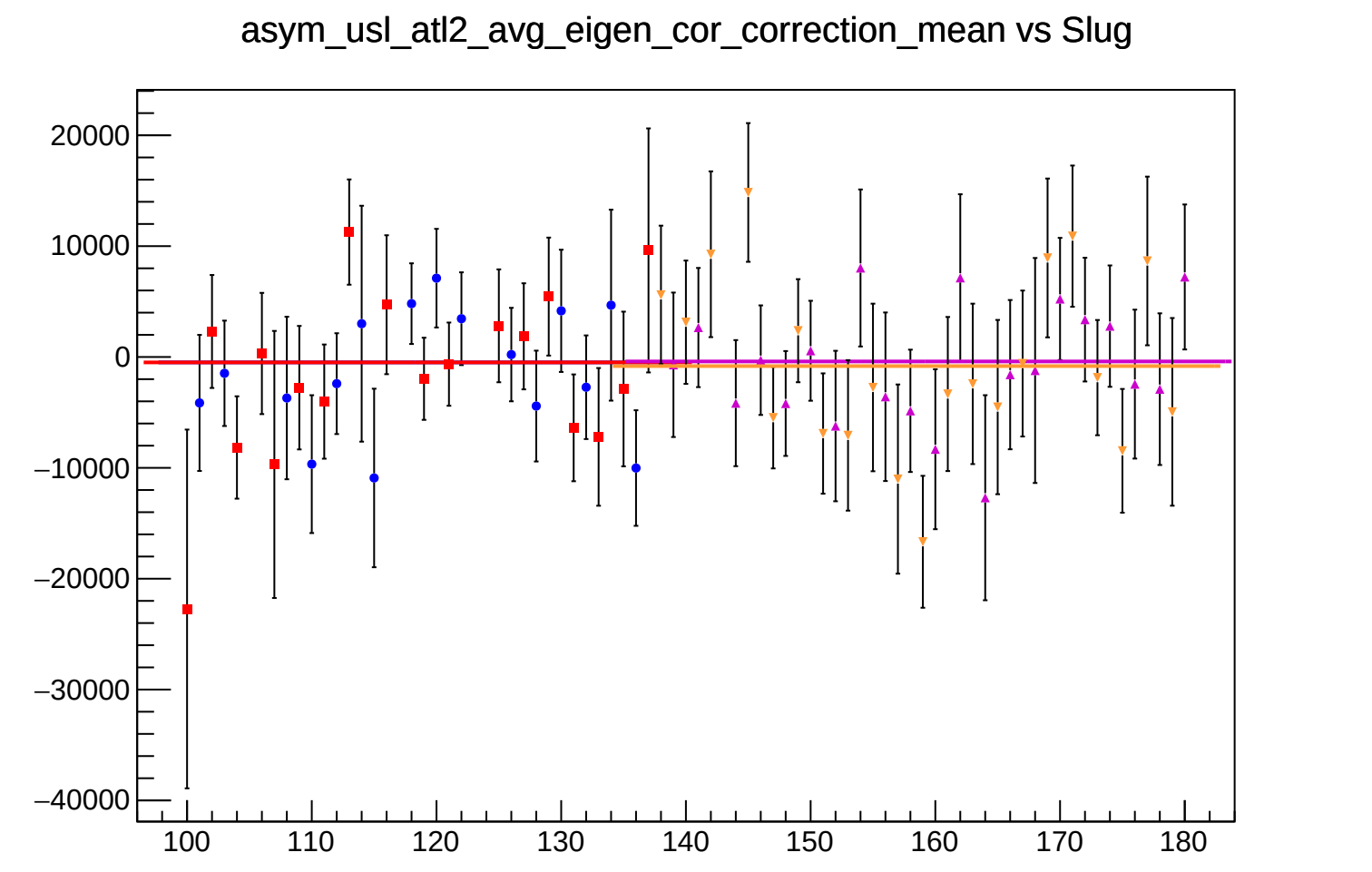
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1538.339+/-0.263 χ^2/NDF:186650.3/20

+ sign 1491.251+/-0.217 χ^2/NDF: 366222.9/36

All: 1486.781+/-0.152 χ^2/NDF: 799220.4/75

- 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: -820.648+/-1368.388 χ^2/NDF:31.2/20

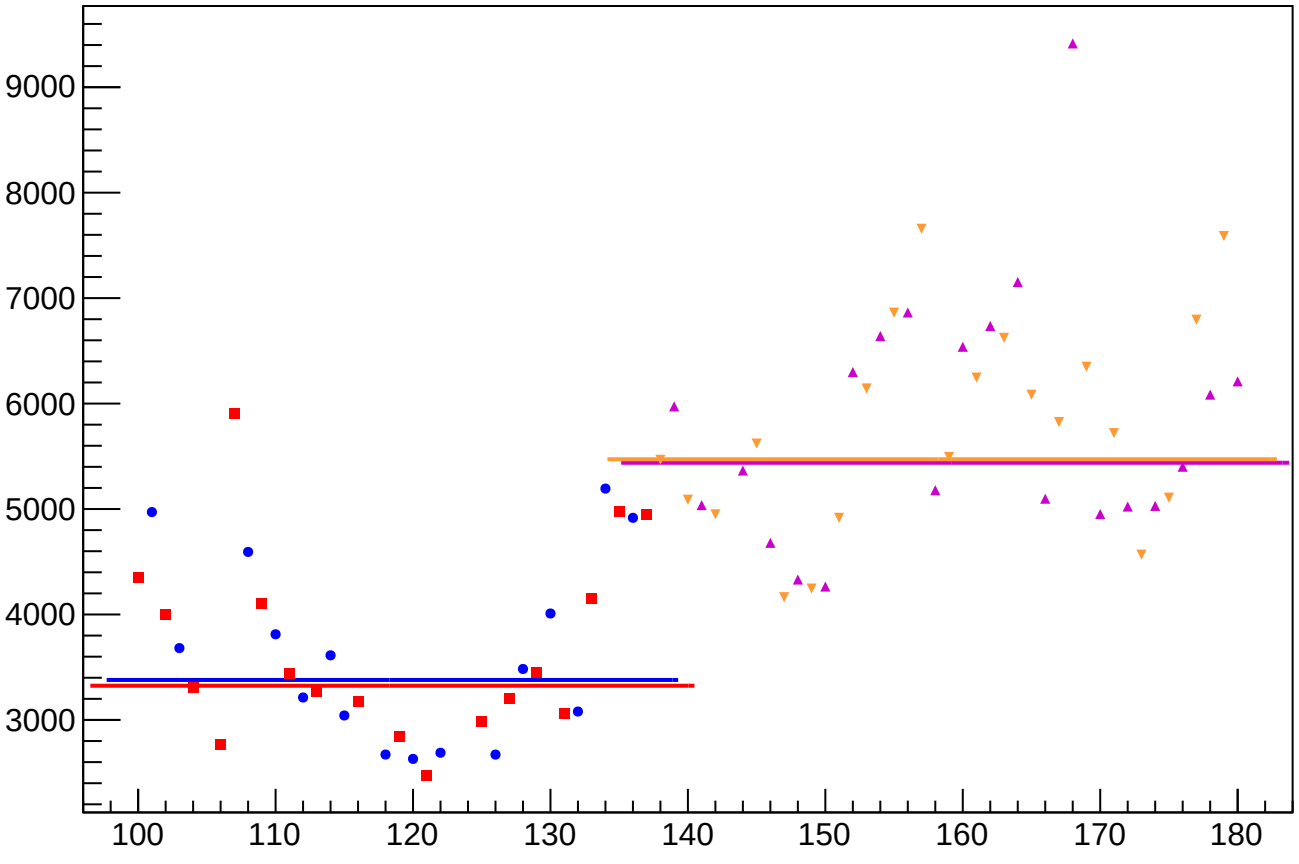
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -401.412+/-1334.683 χ^2/NDF:11.9/20

+ sign -644.398+/-940.551 χ^2/NDF: 47.2/36

All: -543.405+/-656.484 χ^2/NDF: 77.8/75

- 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: 5471.849+/-0.968 χ^2/NDF:943215.9/20

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

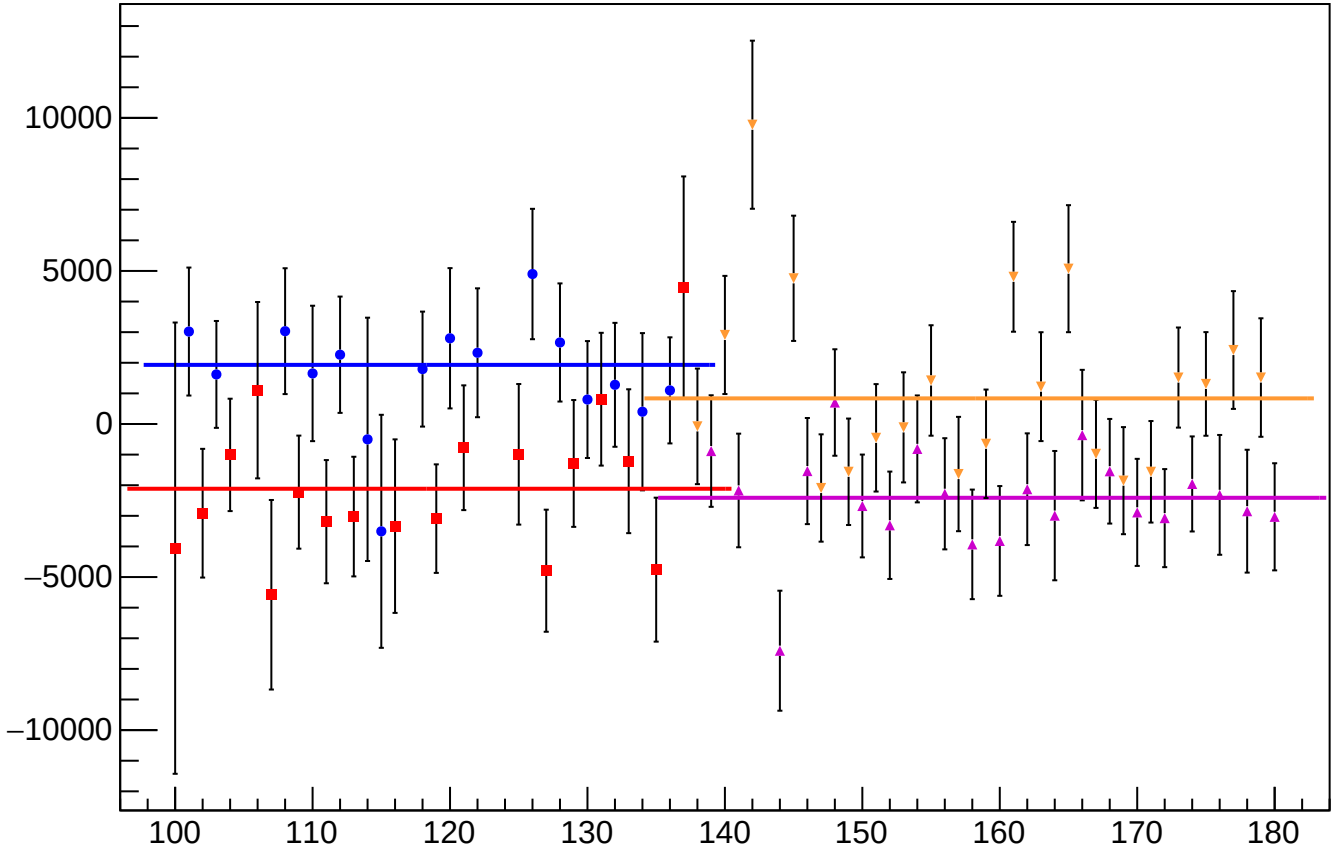
Left In: 5438.765+/-0.944 χ^2/NDF:1052060.2/20

+ sign 4367.804+/-0.665 χ^2/NDF: 4166378.6/36

All: 4344.263+/-0.464 χ^2/NDF: 8415904.1/75

- 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: 836.732+/-399.902 χ^2/NDF:39.4/20

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

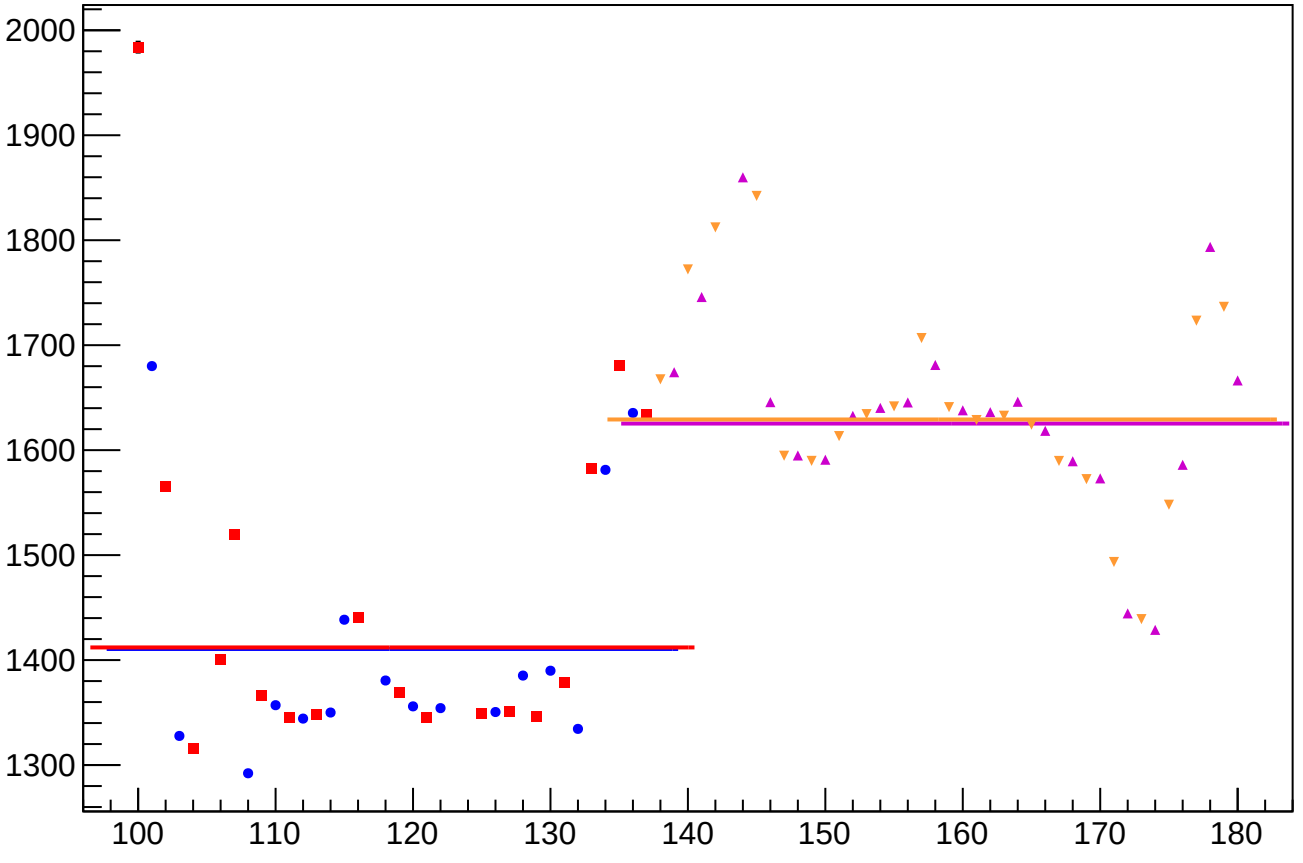
Left In: -2410.712+/-392.118 χ^2/NDF:14.9/20

+ sign 1236.652+/-318.596 χ^2/NDF: 48.5/36

All: -554.874+/-223.989 χ^2/NDF: 139.4/75

- 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: 1629.219+/-0.283 χ^2/NDF:107105.7/20

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

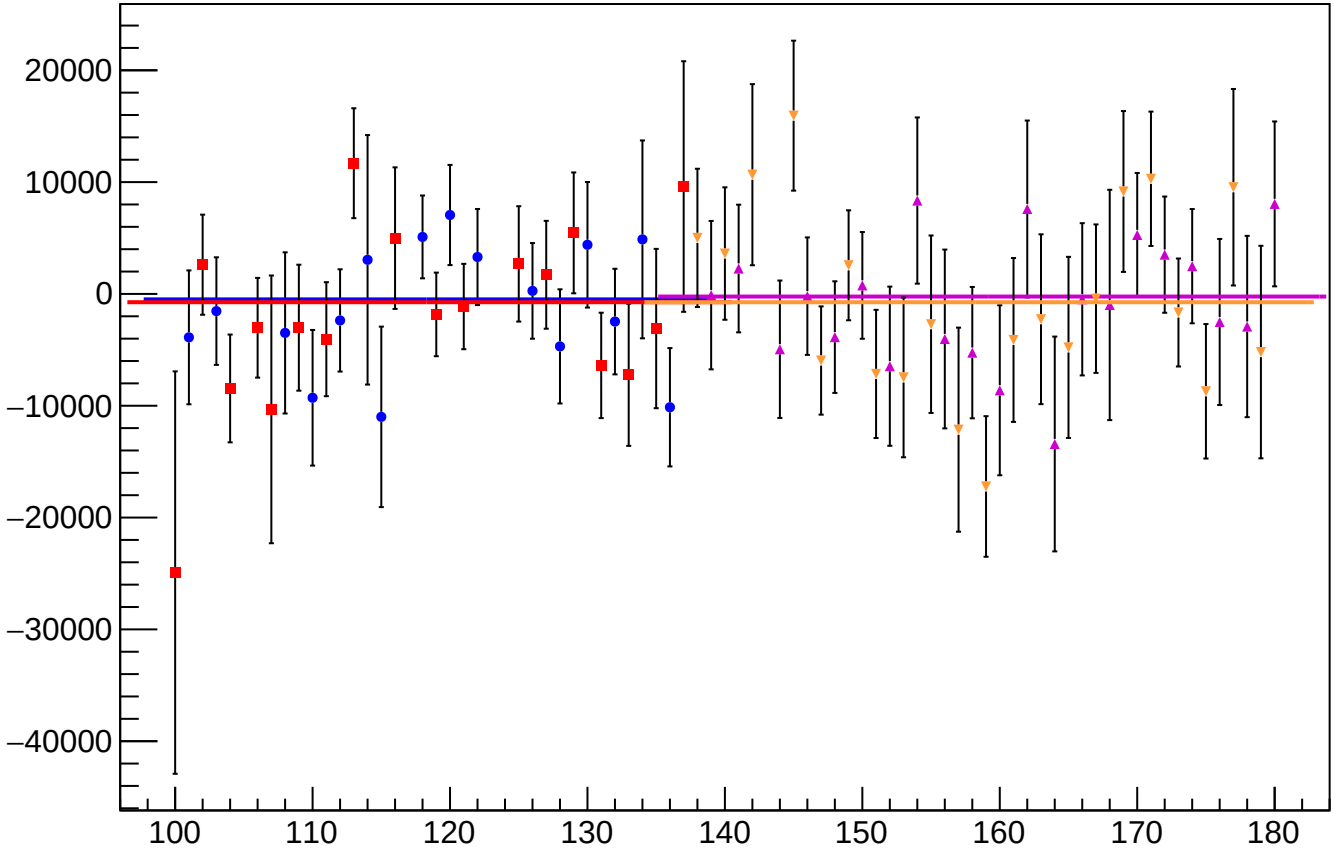
Left In: 1625.343+/-0.277 χ^2/NDF:119187.6/20

+ sign 1549.358+/-0.225 χ^2/NDF: 424607.4/36

All: 1549.384+/-0.158 χ^2/NDF: 844172.0/75

- 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: -743.118+/-1421.503 χ^2/NDF:31.0/20

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

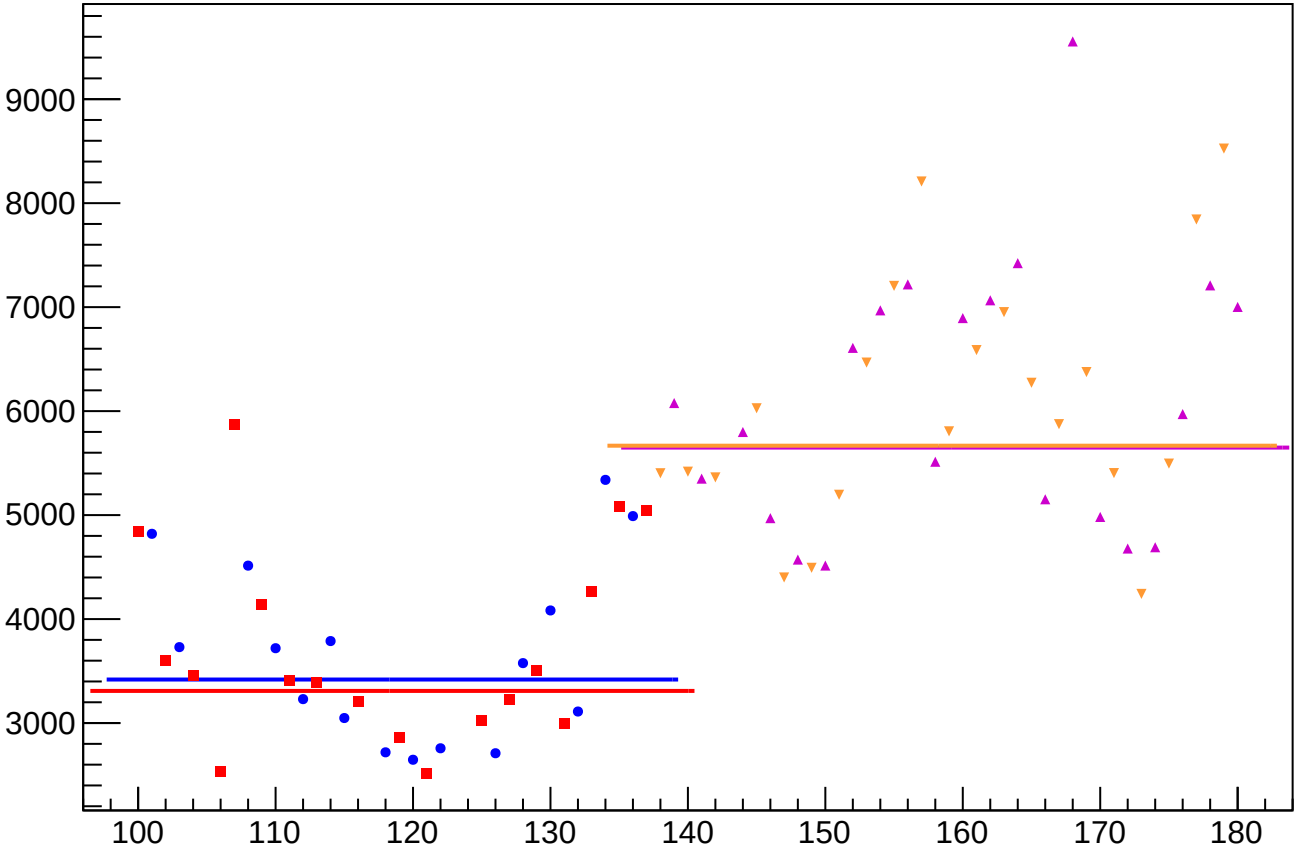
Left In: -235.214+/-1390.243 χ^2/NDF:11.8/20

+ sign -605.794+/-962.800 χ^2/NDF: 46.8/36

All: -558.802+/-668.412 χ^2/NDF: 77.8/75

- 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: 5667.463+/-1.005 χ^2/NDF:1140994.1/20

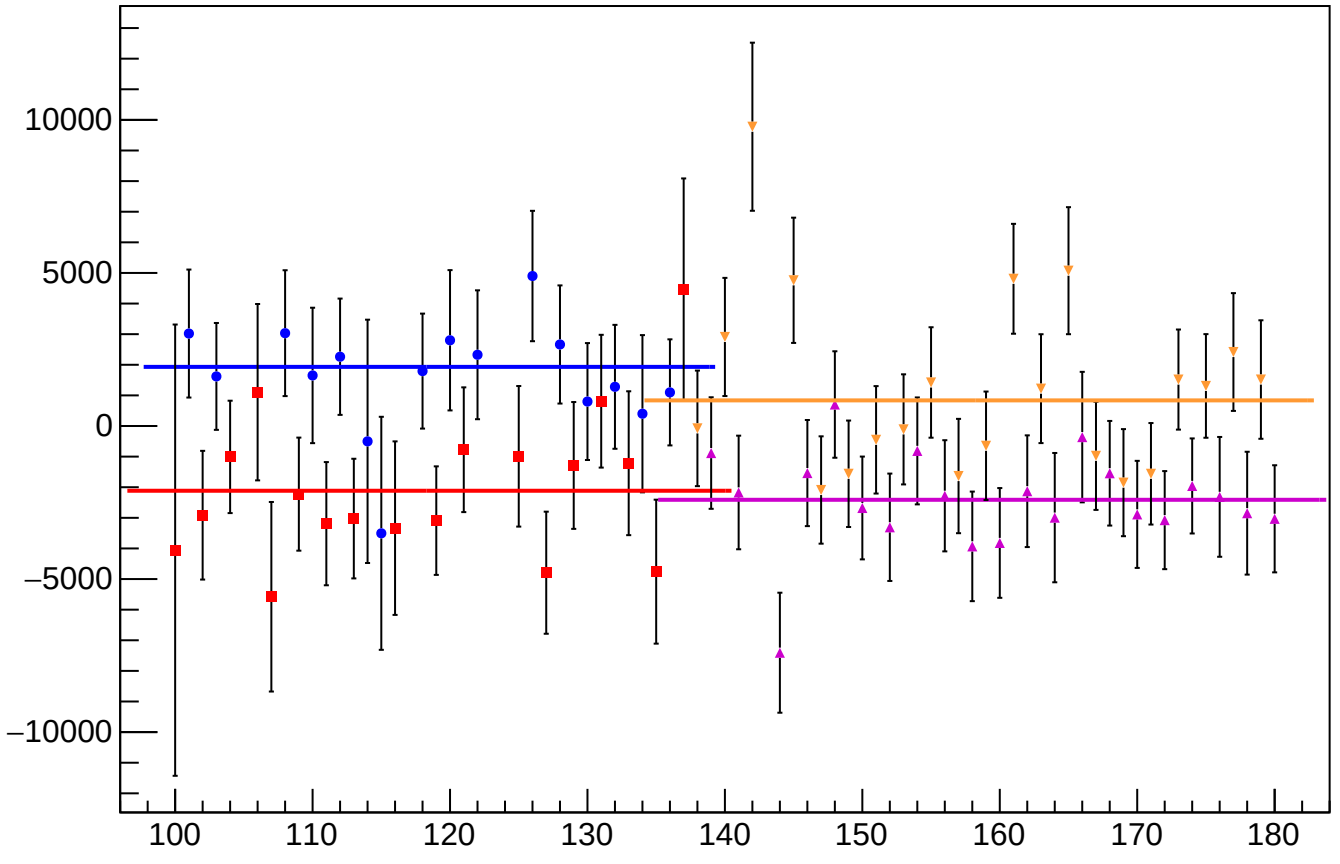
Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5649.258+/-0.983 χ^2/NDF:1230711.7/20

+ sign 4450.321+/-0.681 χ^2/NDF: 4571270.7/36

All: 4400.077+/-0.473 χ^2/NDF: 9522573.3/75

- sign 4353.331+/-0.657 χ^2/NDF: 4940788.5/38



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 836.726+/-399.902 χ^2/NDF:39.4/20

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

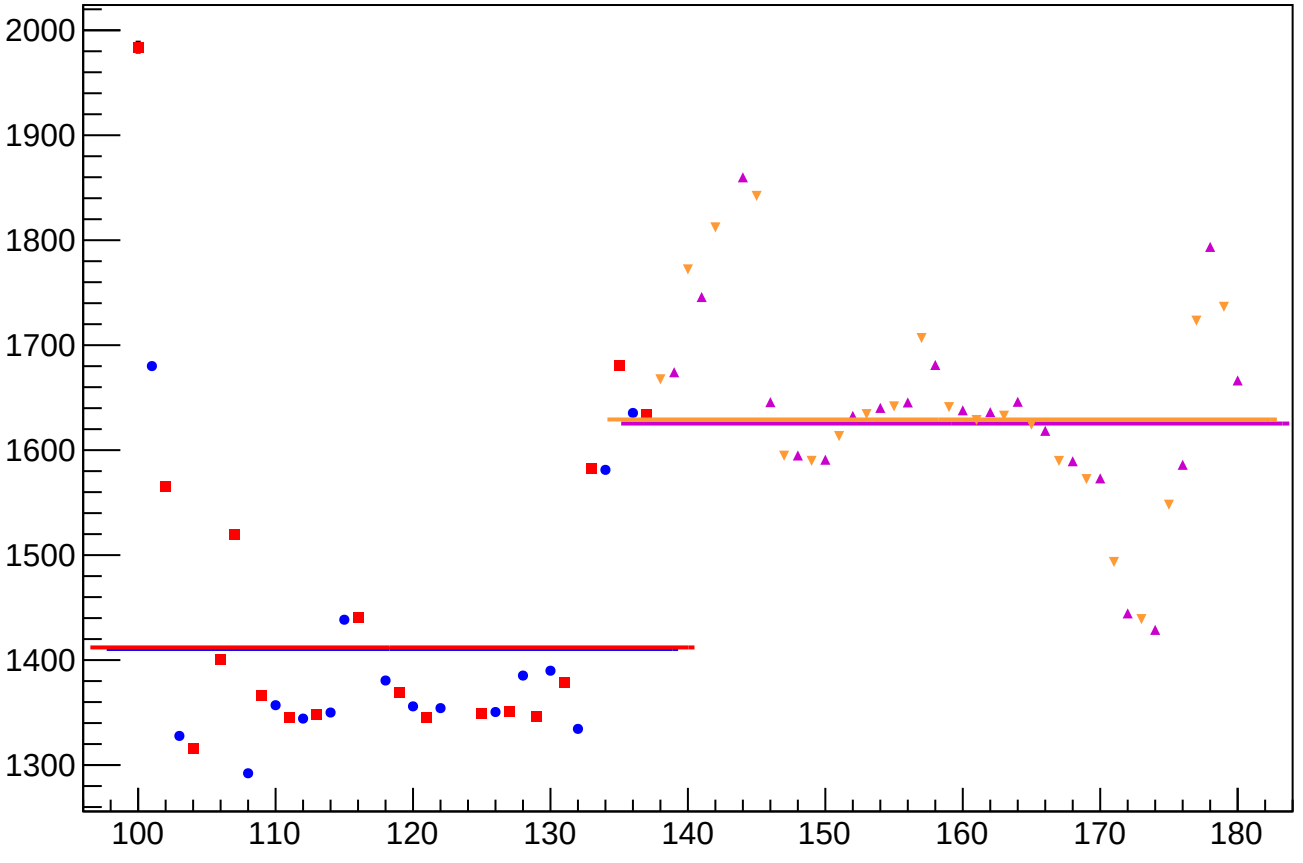
Left In: -2410.713+/-392.119 χ^2/NDF:14.9/20

+ sign 1236.650+/-318.597 χ^2/NDF: 48.5/36

All: -554.875+/-223.989 χ^2/NDF: 139.4/75

- 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: 1629.221+/-0.283 χ^2/NDF:107111.1/20

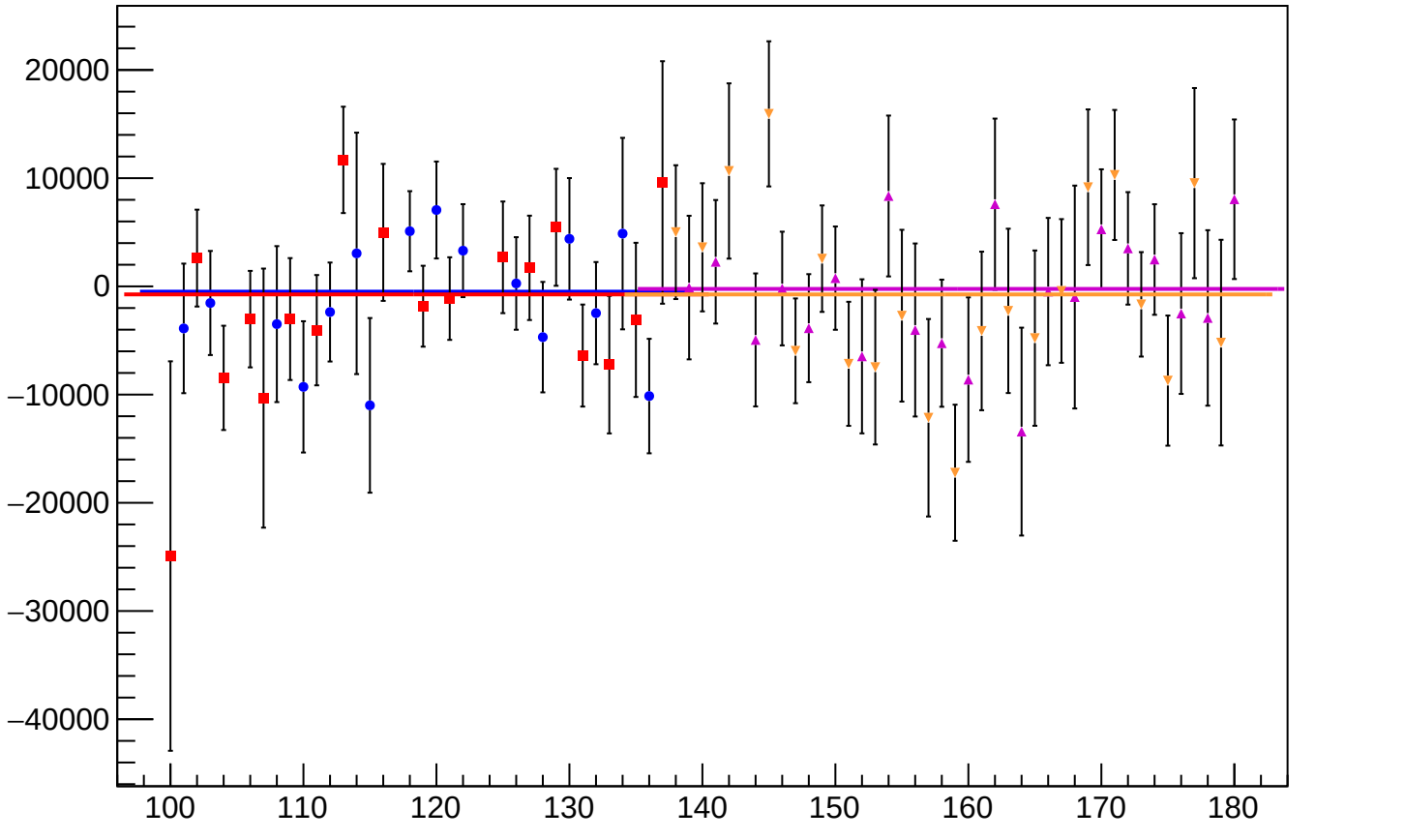
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1625.344+/-0.277 χ^2/NDF:119192.6/20

\+ sign 1549.359+/-0.225 χ^2/NDF: 424614.9/36

All: 1549.385+/-0.158 χ^2/NDF: 844187.3/75

\- 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: -743.124+/-1421.506 χ^2/NDF:31.0/20

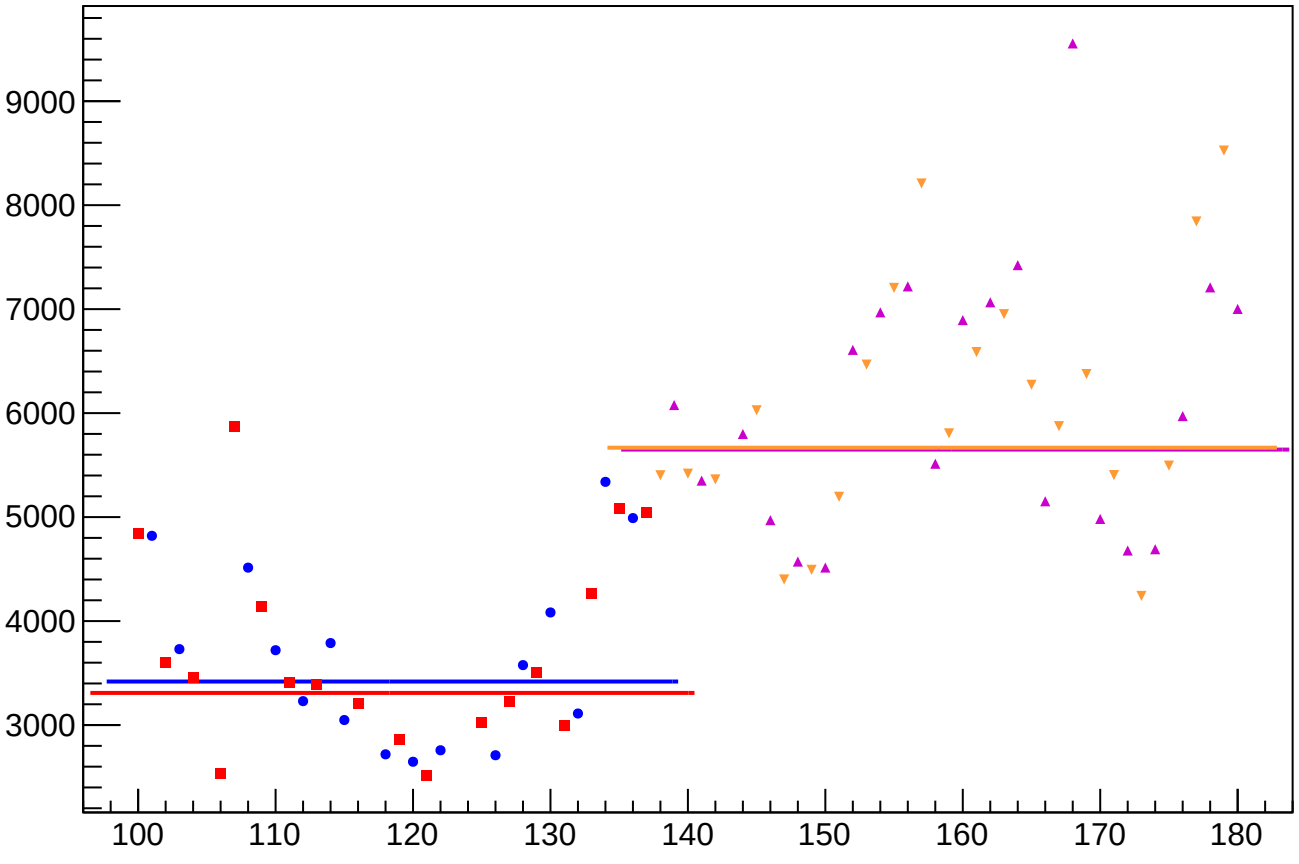
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -235.215+/-1390.245 χ^2/NDF:11.8/20

+ sign -605.793+/-962.799 χ^2/NDF: 46.8/36

All: -558.803+/-668.411 χ^2/NDF: 77.8/75

- 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: 5667.472+/-1.005 χ^2/NDF:1140995.0/20

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

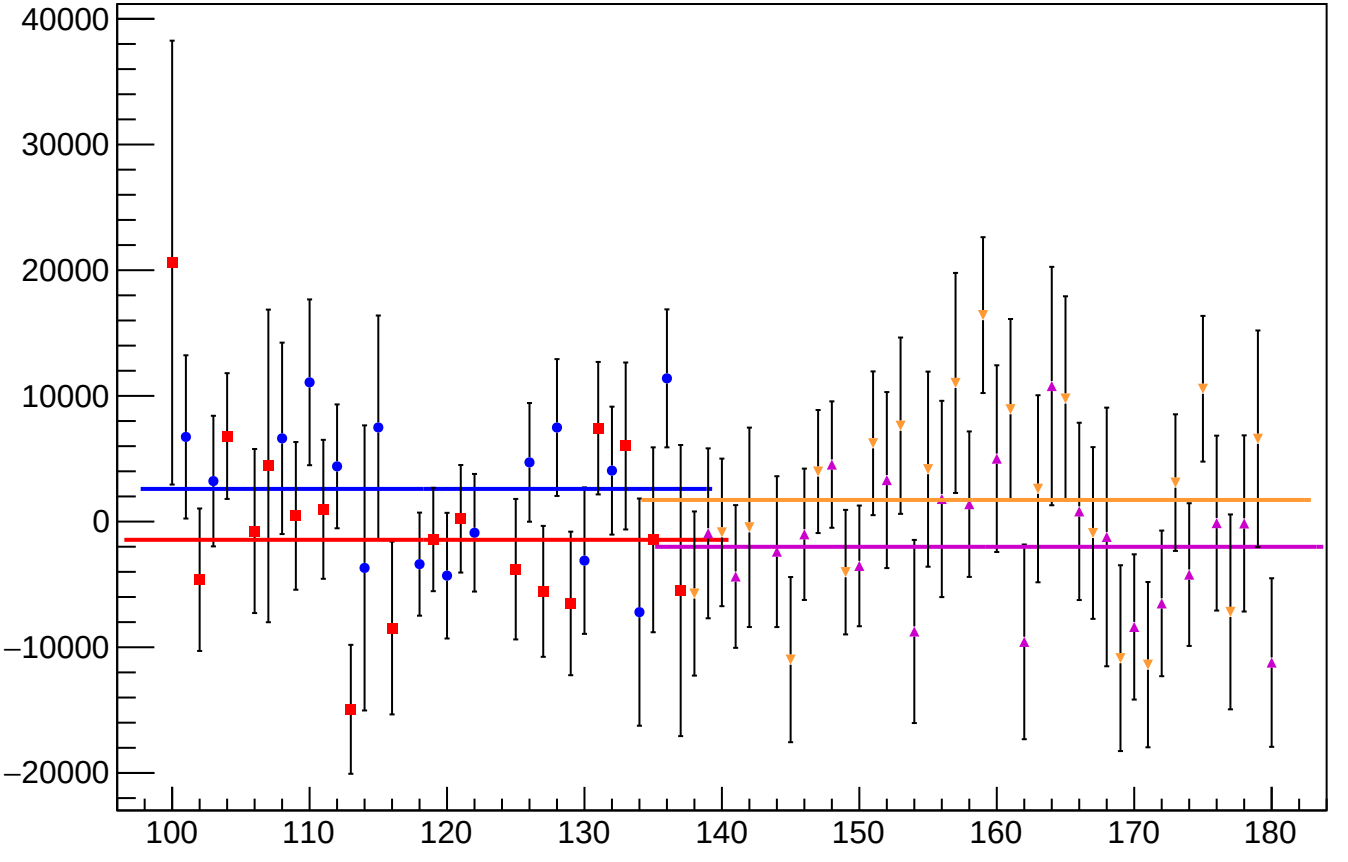
Left In: 5649.266+/-0.983 χ^2/NDF:1230713.0/20

+ sign 4450.314+/-0.681 χ^2/NDF: 4571332.2/36

All: 4400.070+/-0.473 χ^2/NDF: 9522692.5/75

- 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: 1721.365+/-1428.993 χ^2/NDF:28.1/20

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

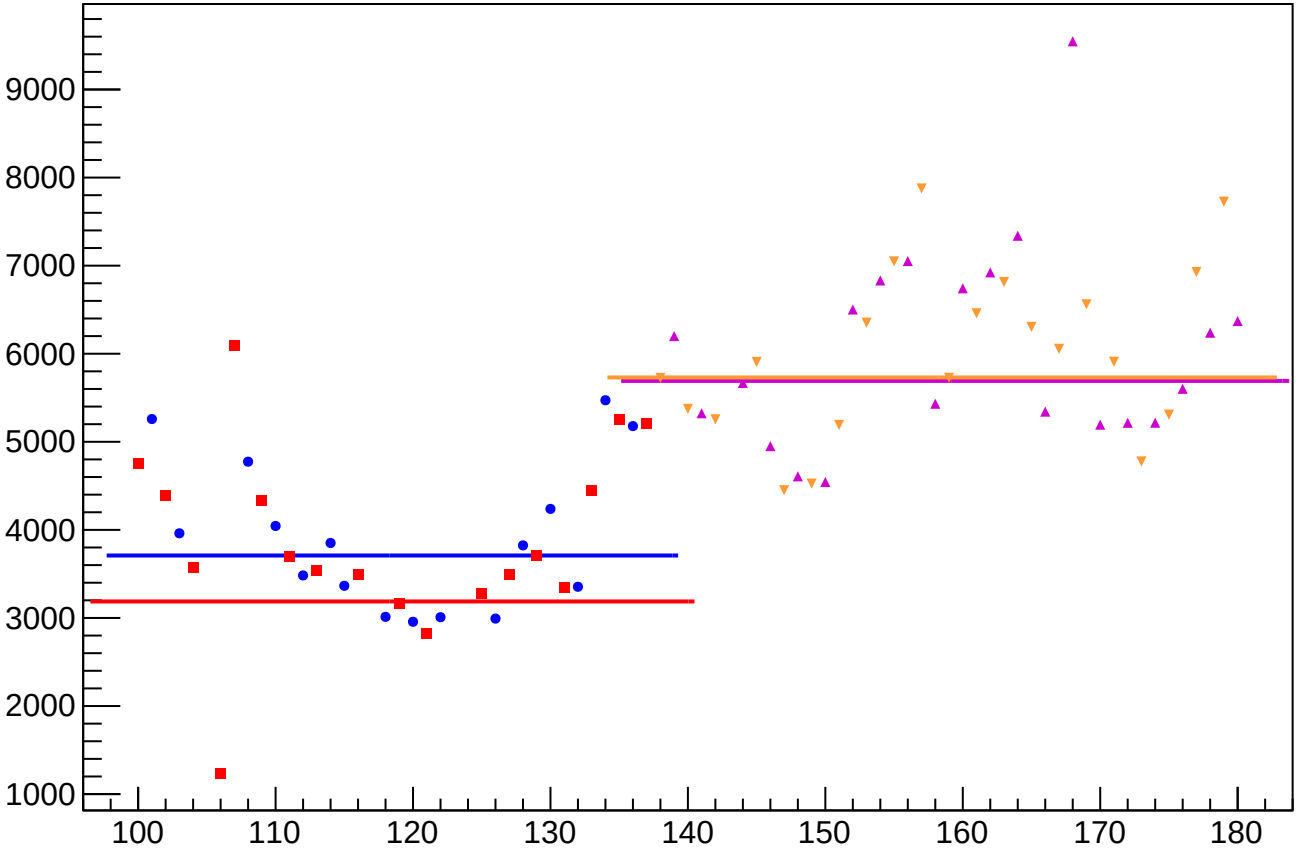
Left In: -2007.724+/-1393.258 χ^2/NDF:11.9/20

+ sign 2164.970+/-1005.287 χ^2/NDF: 41.8/36

All: 172.348+/-702.273 χ^2/NDF: 80.5/75

- 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: 5730.639+/-1.010 χ^2/NDF:813932.2/20

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

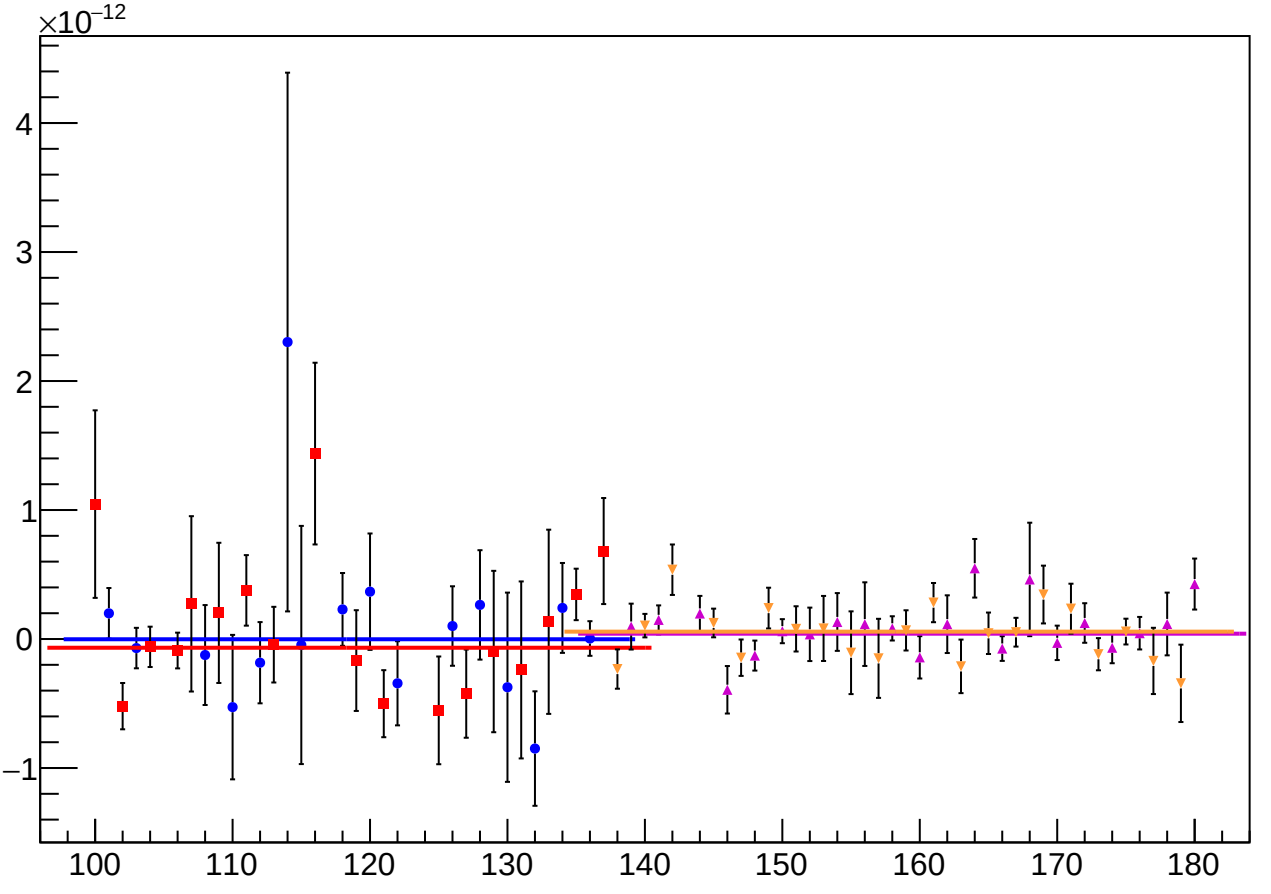
Left In: 5691.360+/-0.985 χ^2/NDF:919562.5/20

+ sign 4709.591+/-0.711 χ^2/NDF: 3446128.9/36

All: 4501.272+/-0.485 χ^2/NDF: 9674651.1/75

- 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:25.3/20

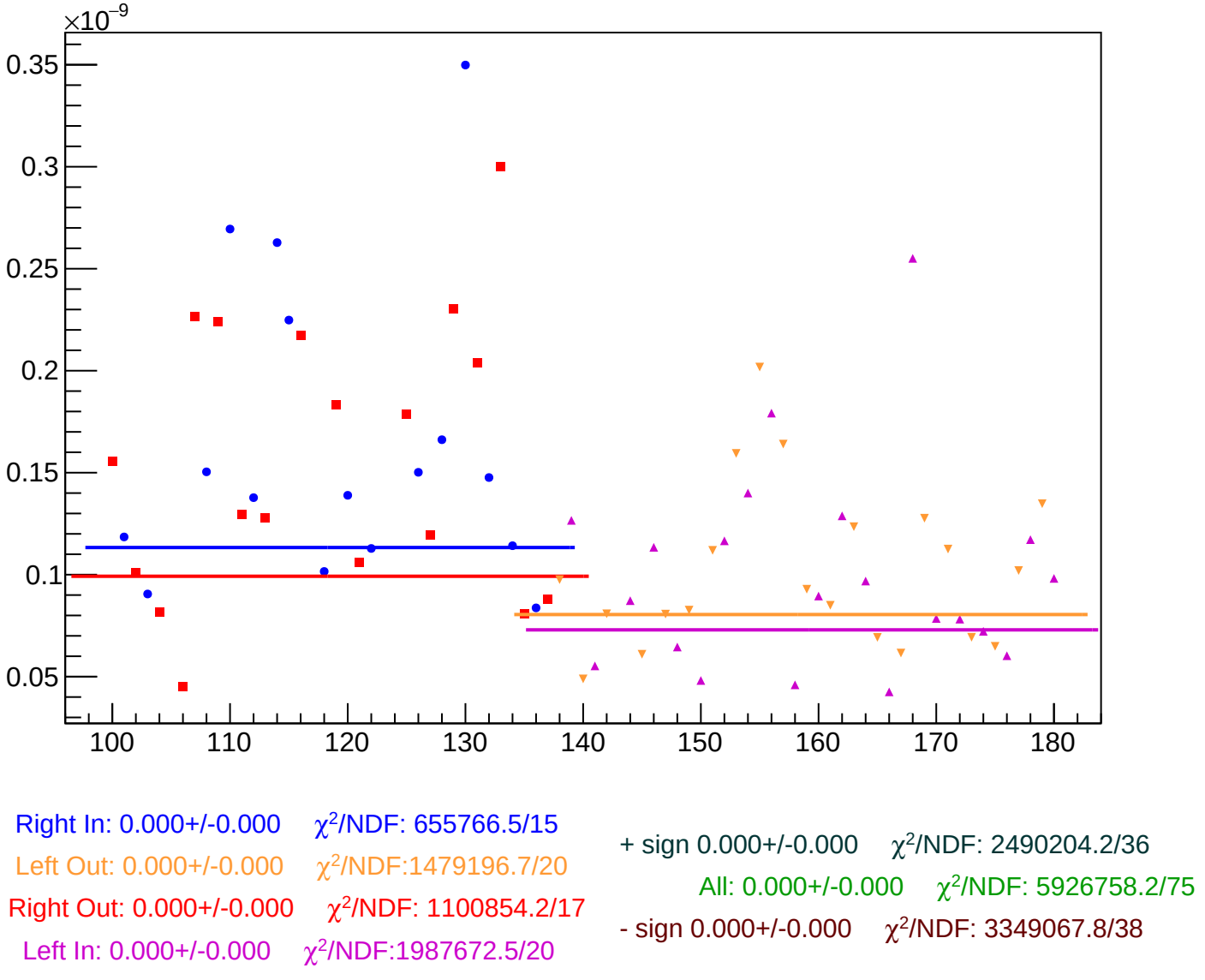
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:24.5/20

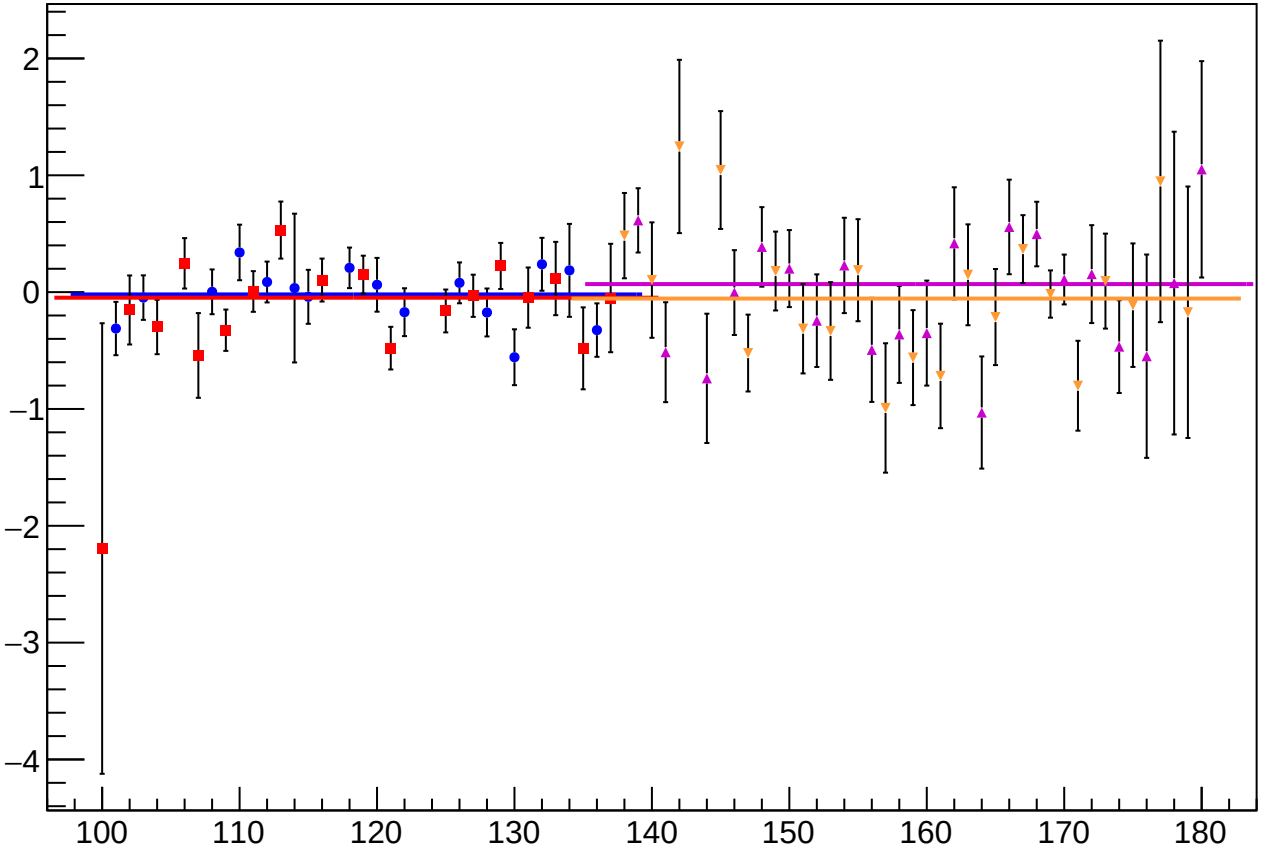
+ sign 0.000+/-0.000 χ^2/NDF: 37.0/36

All: 0.000+/-0.000 χ^2/NDF: 93.6/75

- sign 0.000+/-0.000 χ^2/NDF: 56.2/38


asym_usl_atl2_avg_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: 655766.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1479196.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 1100854.2/17
Left In: 0.000+/-0.000 χ²/NDF:1987672.5/20
+ sign 0.000+/-0.000 χ²/NDF: 2490204.2/36
All: 0.000+/-0.000 χ²/NDF: 5926758.2/75
- sign 0.000+/-0.000 χ²/NDF: 3349067.8/38

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.055+/-0.087 χ^2/NDF:27.6/20

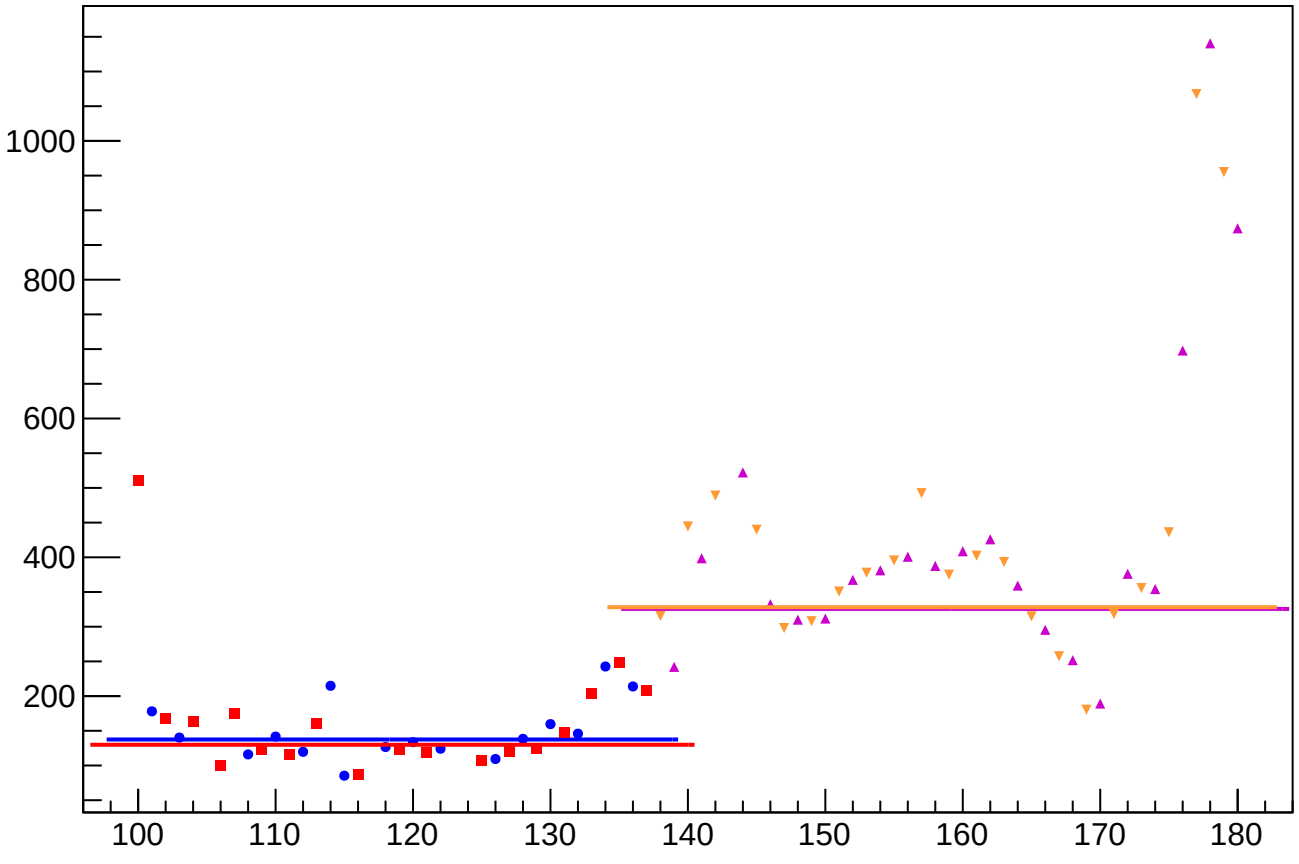
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.069+/-0.084 χ^2/NDF:26.5/20

+ sign -0.030+/-0.046 χ^2/NDF: 43.7/36

All: -0.022+/-0.032 χ^2/NDF: 97.9/75

- 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: 328.110+/-0.061 χ^2/NDF:3429207.3/20

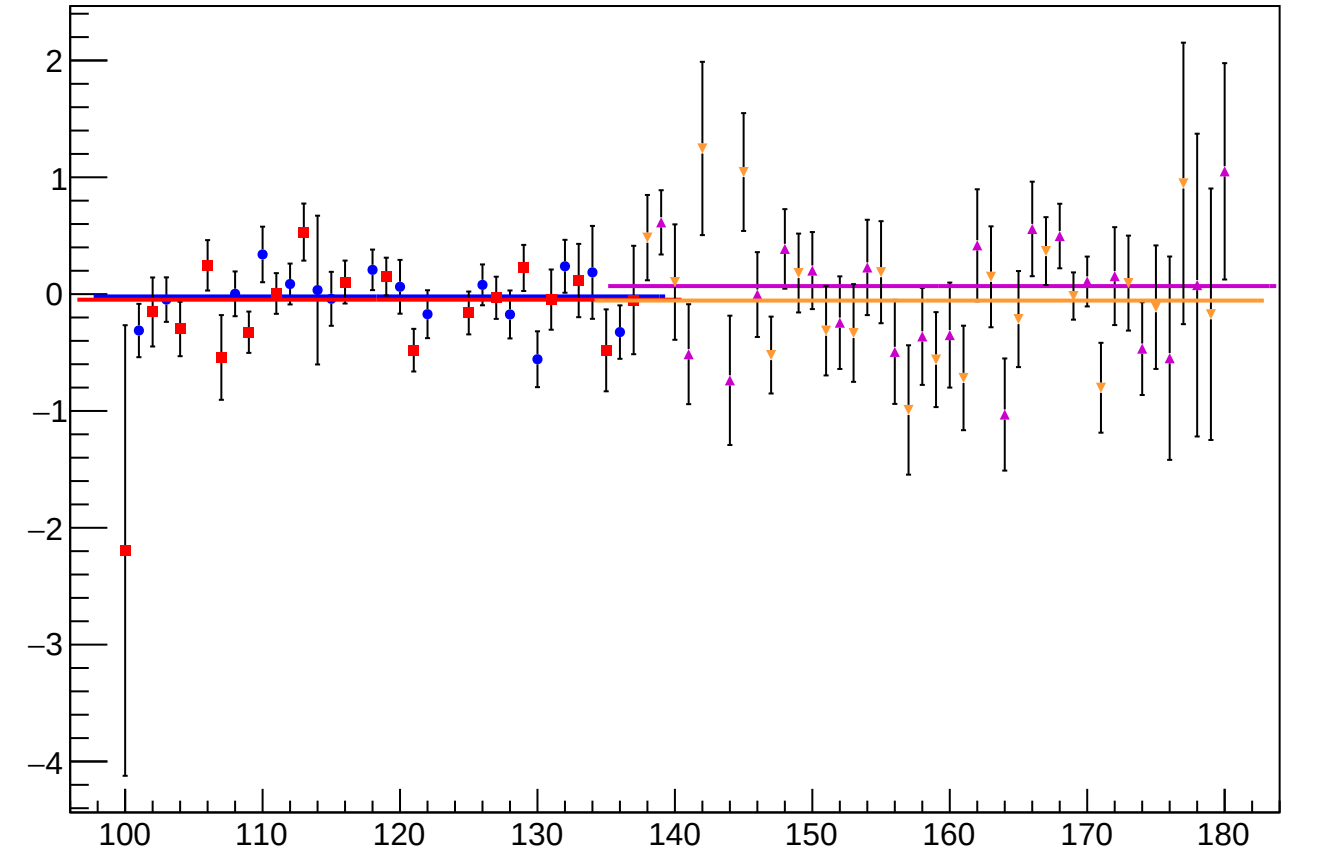
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.622+/-0.060 χ^2/NDF:3700608.9/20

+ sign 191.046+/-0.033 χ^2/NDF: 11070628.6/36

All: 187.689+/-0.023 χ^2/NDF: 23388890.9/75

- 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: -0.055+/-0.087 χ^2/NDF:27.6/20

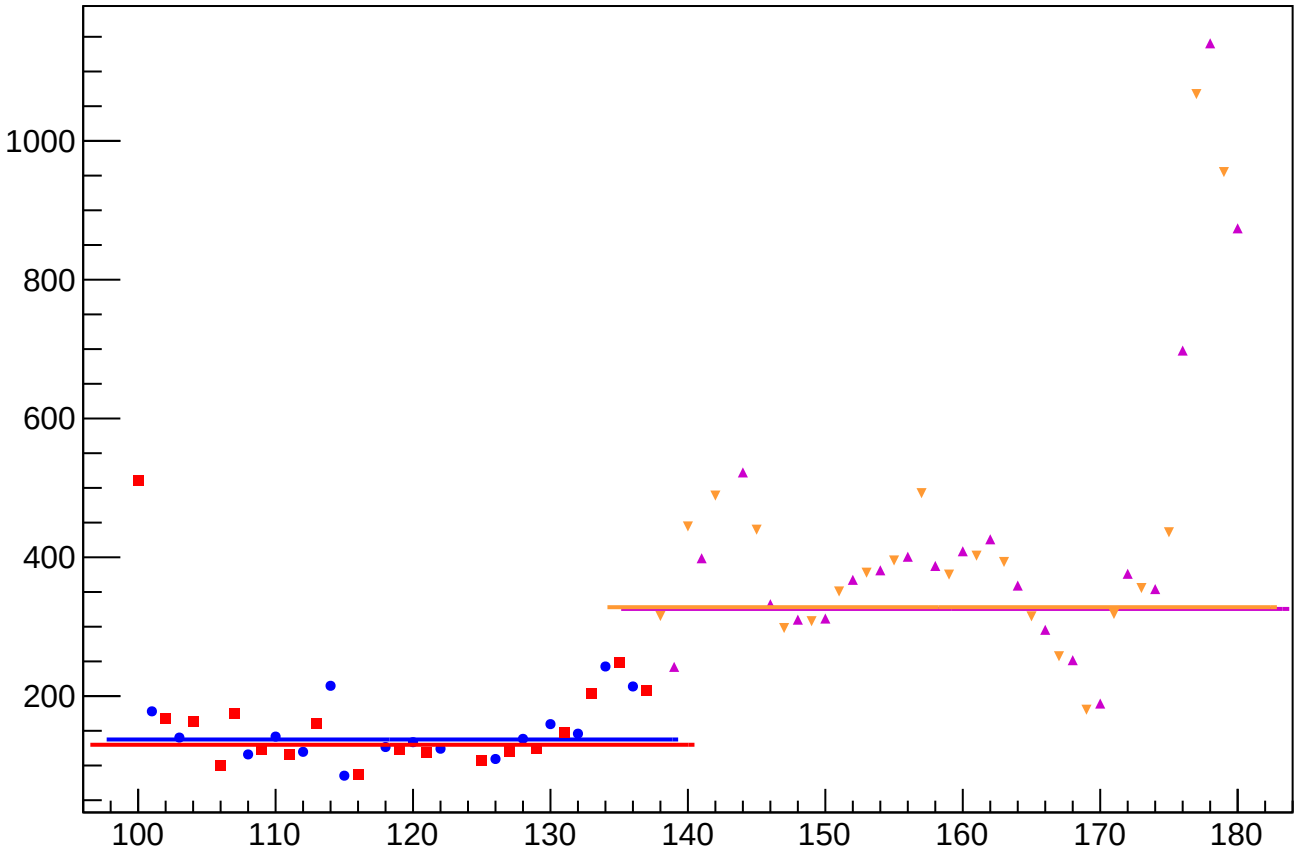
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.069+/-0.084 χ^2/NDF:26.5/20

+ sign -0.030+/-0.046 χ^2/NDF: 43.7/36

All: -0.022+/-0.032 χ^2/NDF: 97.9/75

- 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: 328.110+/-0.061 χ^2/NDF:3429207.3/20

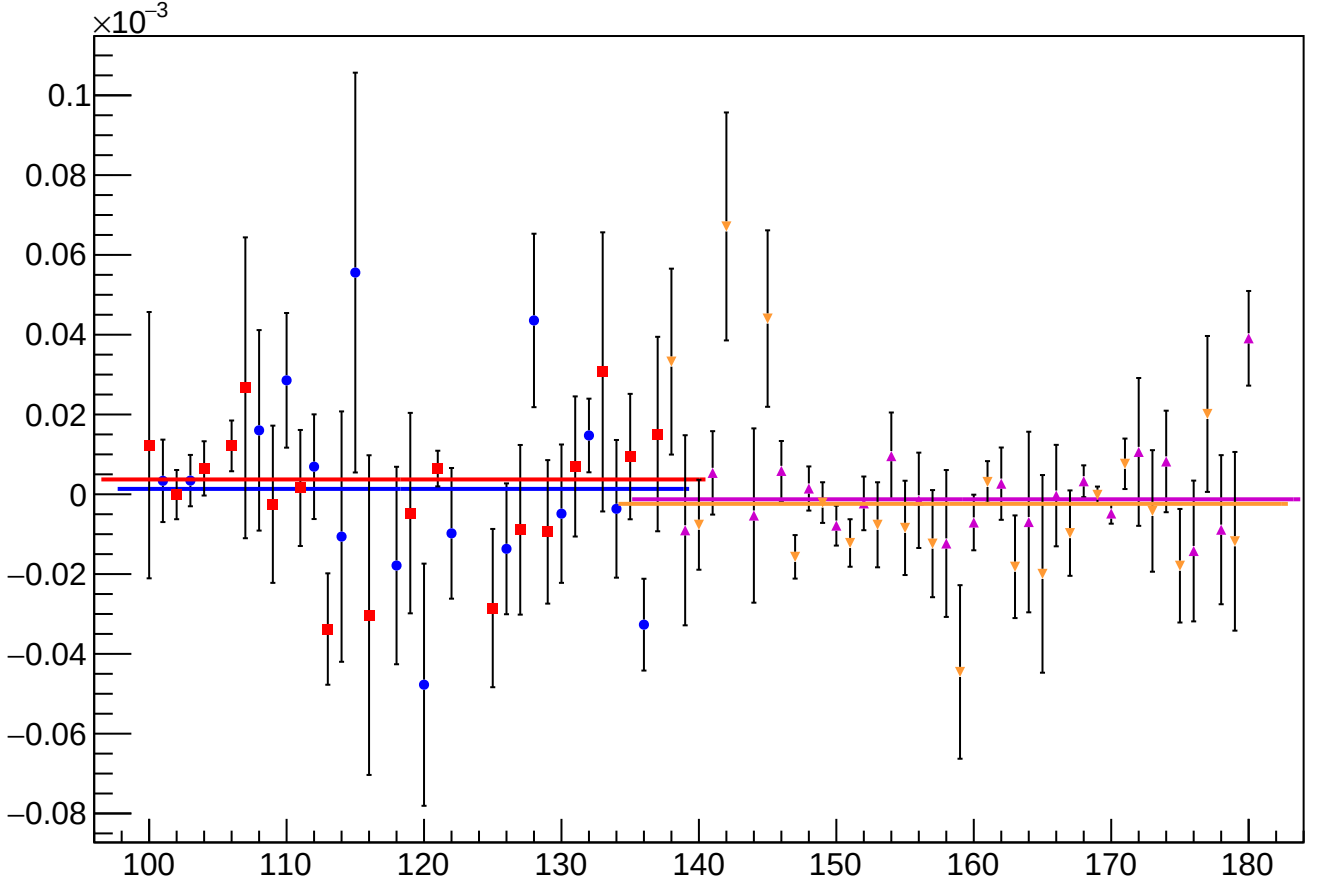
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.622+/-0.060 χ^2/NDF:3700608.9/20

+ sign 191.046+/-0.033 χ^2/NDF: 11070628.6/36

All: 187.689+/-0.023 χ^2/NDF: 23388890.9/75

- 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:36.3/20

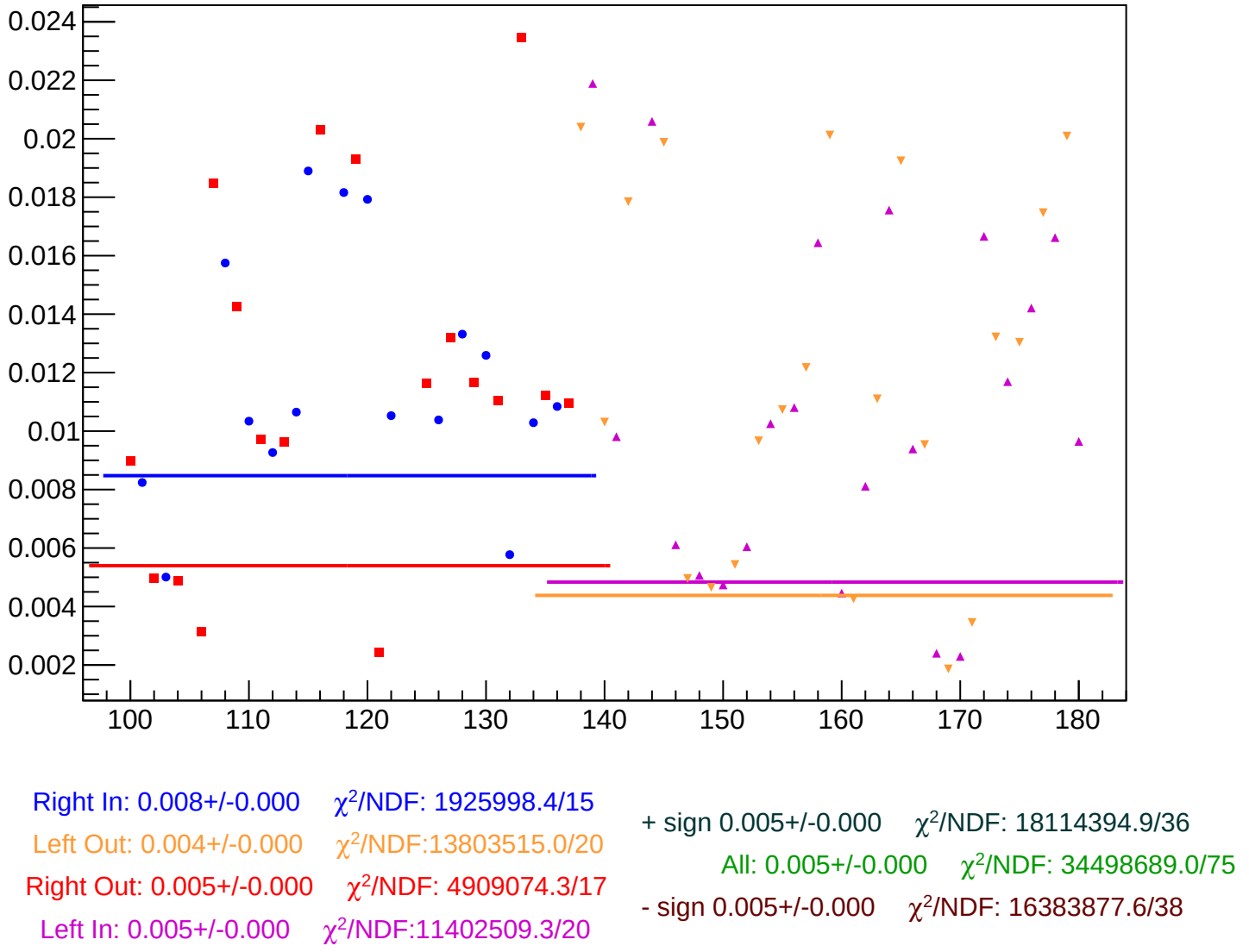
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

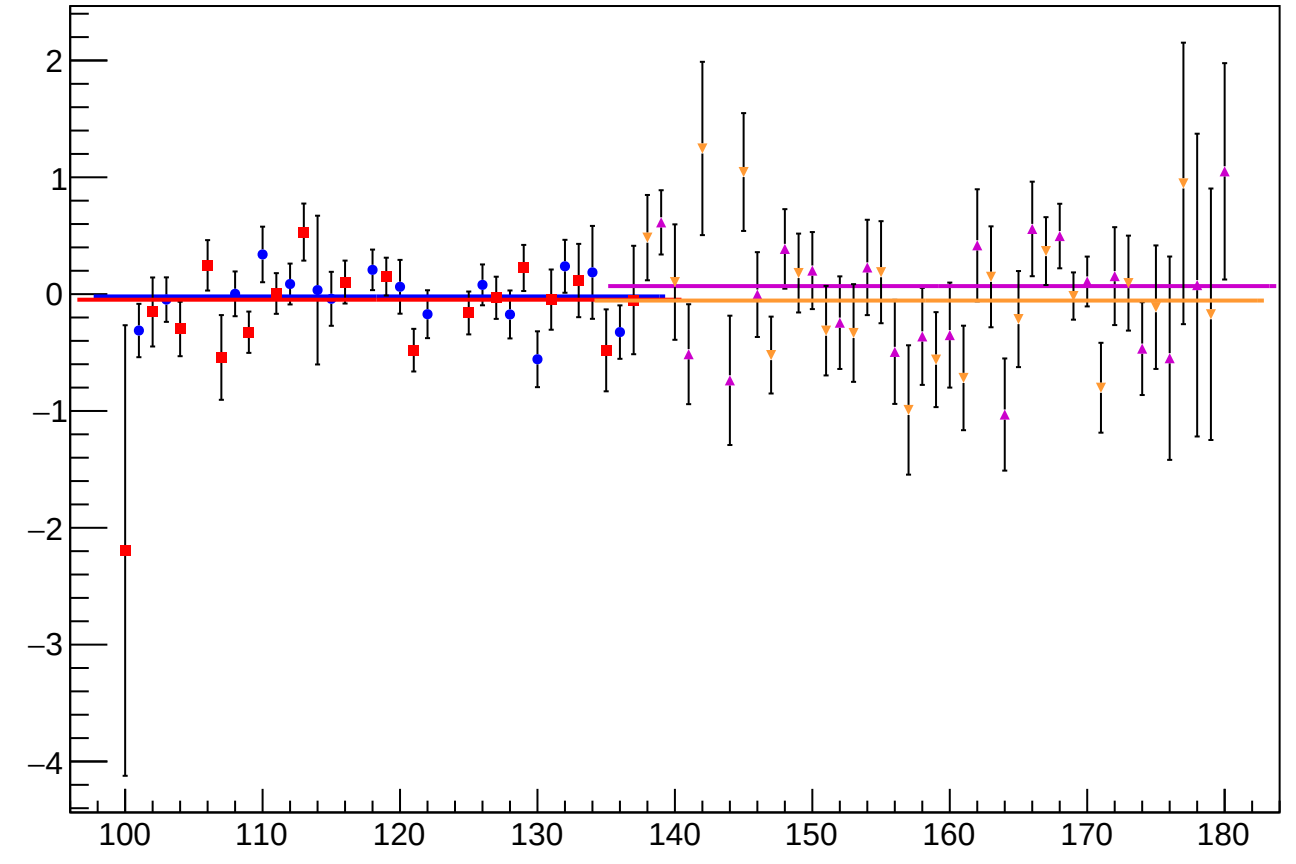
Left In: -0.000+/-0.000 χ^2/NDF:22.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 61.3/36

All: -0.000+/-0.000 χ^2/NDF: 103.1/75

- sign 0.000+/-0.000 χ^2/NDF: 40.8/38


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.024
0.022
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: 0.008+/-0.000 χ²/NDF: 1925998.4/15
Left Out: 0.004+/-0.000 χ²/NDF:13803515.0/20
Right Out: 0.005+/-0.000 χ²/NDF: 4909074.3/17
Left In: 0.005+/-0.000 χ²/NDF:11402509.3/20
+ sign 0.005+/-0.000 χ²/NDF: 18114394.9/36
All: 0.005+/-0.000 χ²/NDF: 34498689.0/75
- sign 0.005+/-0.000 χ²/NDF: 16383877.6/38



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.055+/-0.087 χ^2/NDF:27.6/20

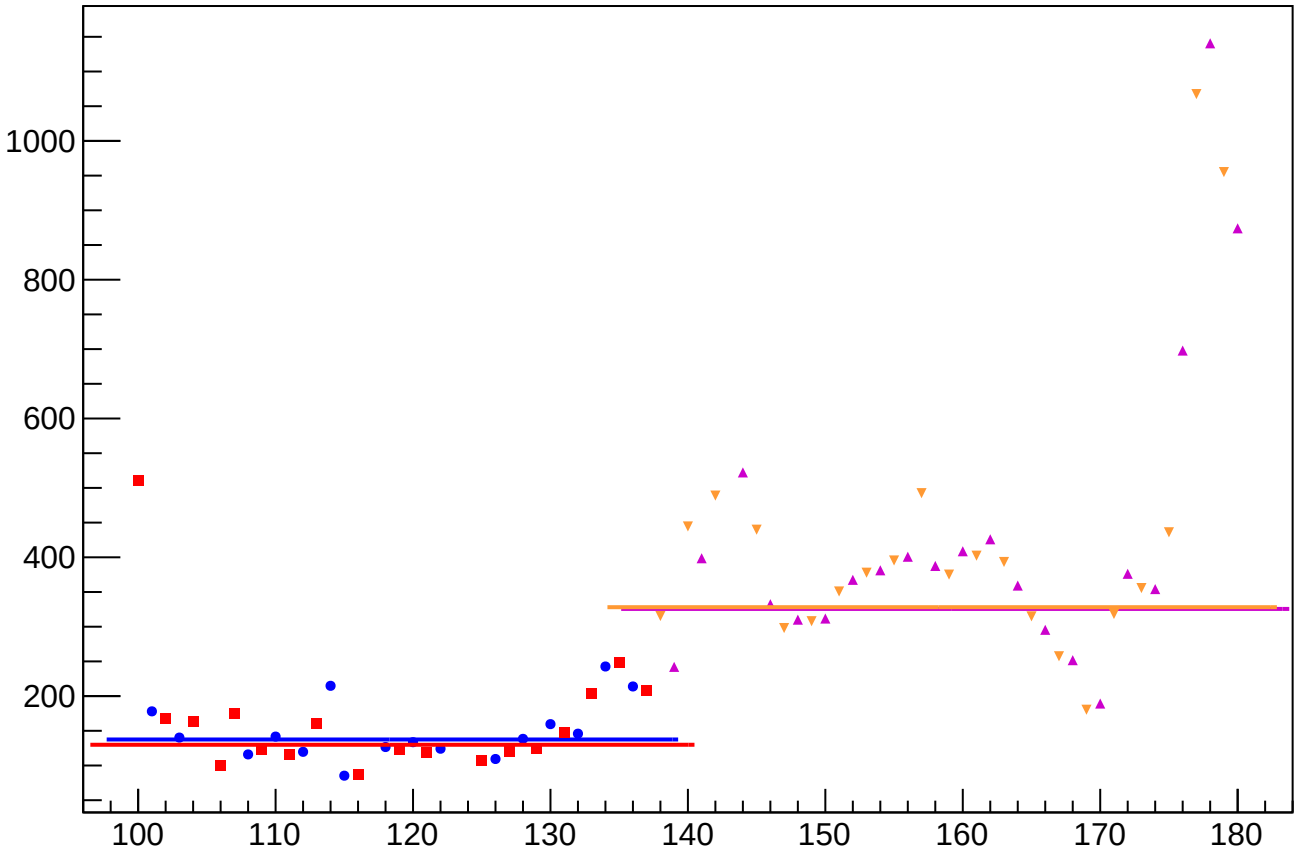
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.069+/-0.084 χ^2/NDF:26.5/20

+ sign -0.030+/-0.046 χ^2/NDF: 43.7/36

All: -0.022+/-0.032 χ^2/NDF: 97.9/75

- 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: 328.112+/-0.061 χ^2/NDF:3429276.1/20

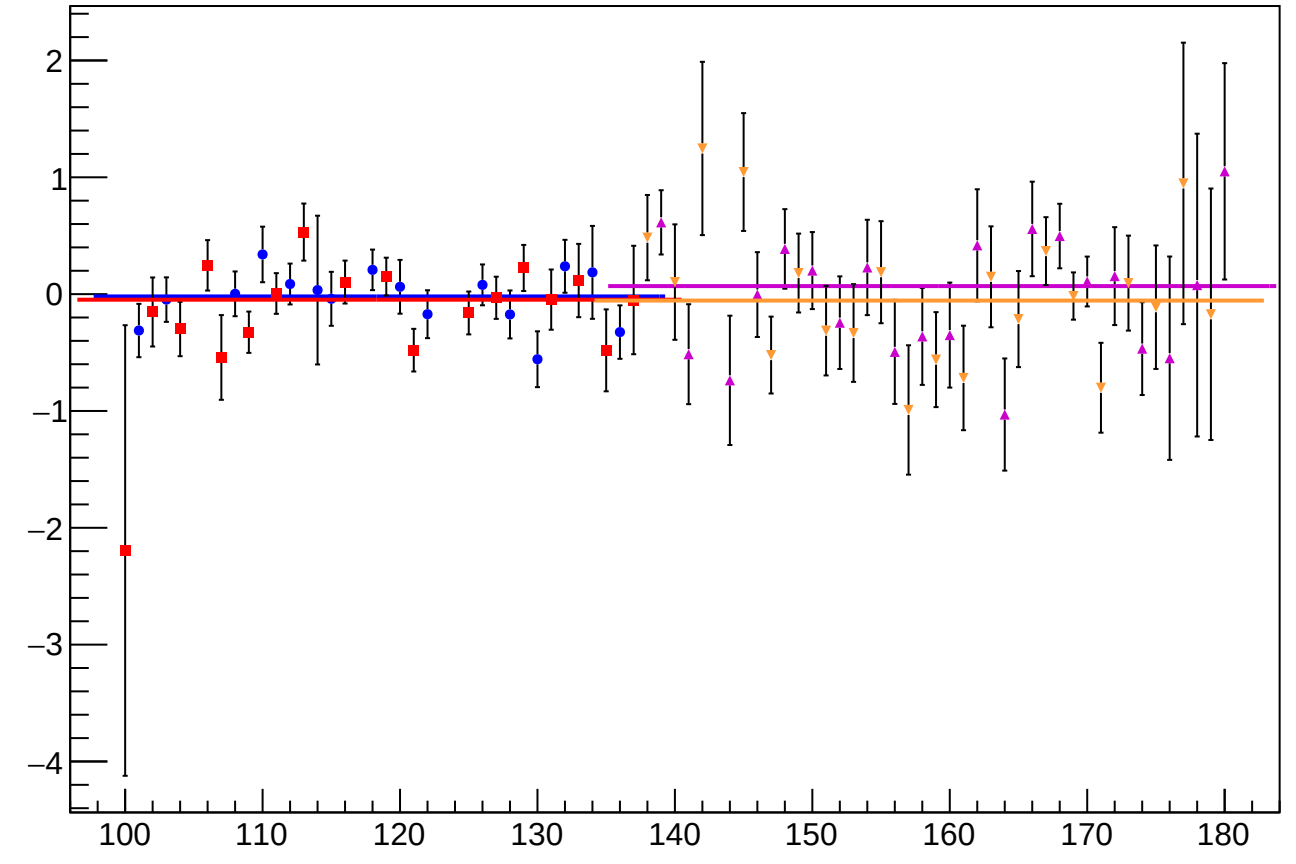
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.625+/-0.060 χ^2/NDF:3700613.4/20

+ sign 191.046+/-0.033 χ^2/NDF: 11070757.4/36

All: 187.689+/-0.023 χ^2/NDF: 23389109.0/75

- 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: -0.055+/-0.087 χ^2/NDF:27.6/20

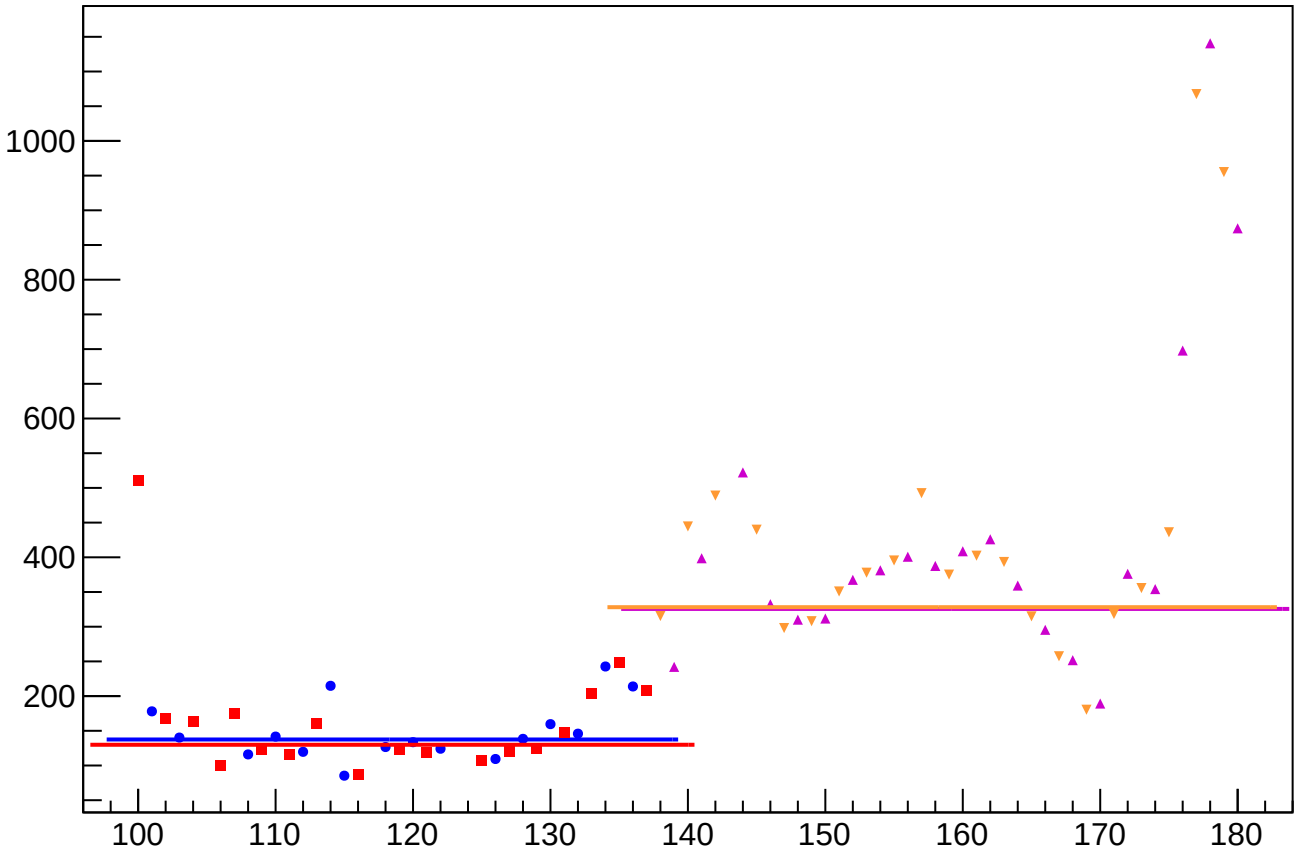
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.069+/-0.084 χ^2/NDF:26.5/20

+ sign -0.030+/-0.046 χ^2/NDF: 43.7/36

All: -0.022+/-0.032 χ^2/NDF: 97.9/75

- 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: 328.112+/-0.061 χ^2/NDF:3429276.1/20

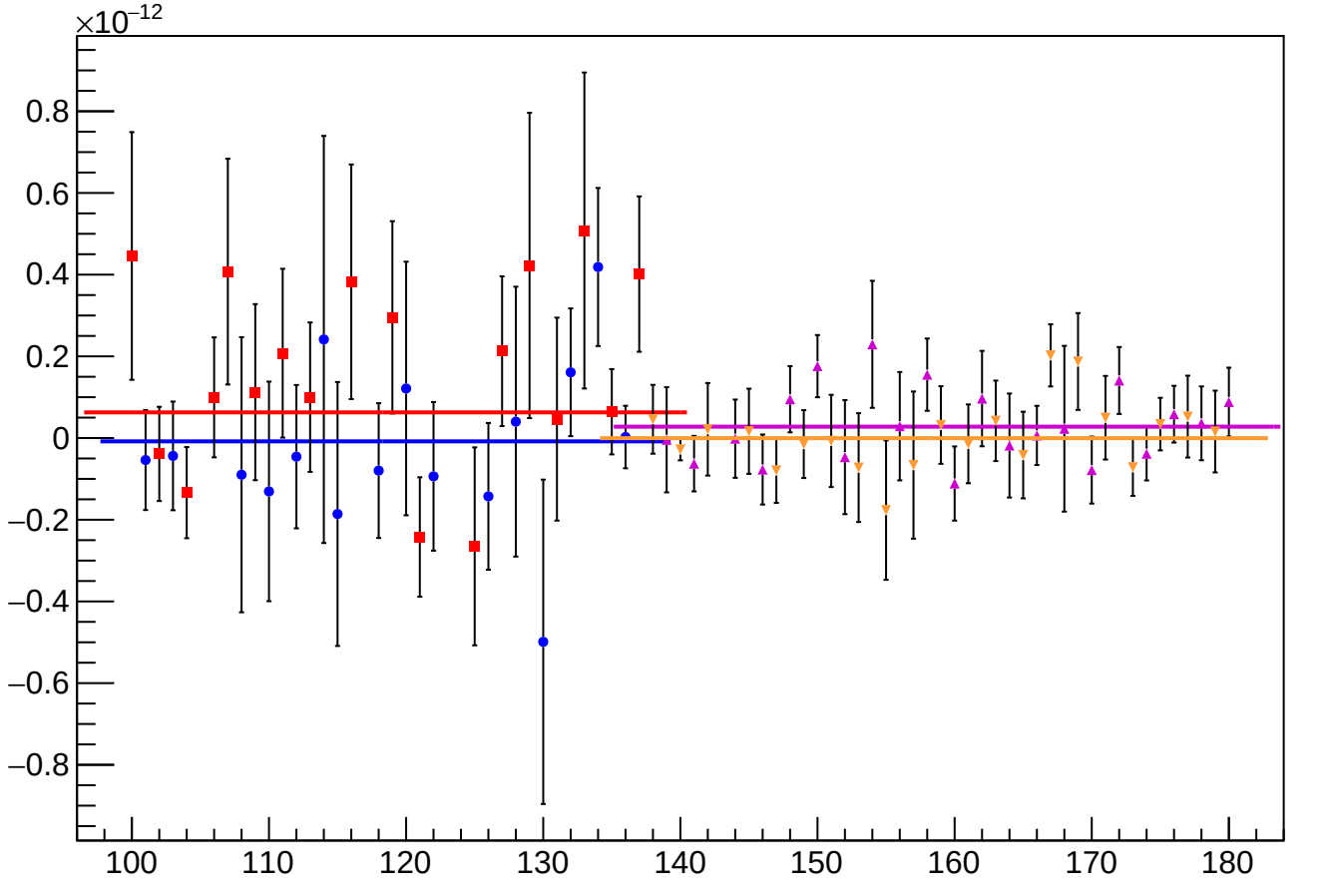
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.625+/-0.060 χ^2/NDF:3700613.4/20

+ sign 191.046+/-0.033 χ^2/NDF: 11070757.4/36

All: 187.689+/-0.023 χ^2/NDF: 23389109.0/75

- 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:15.9/20

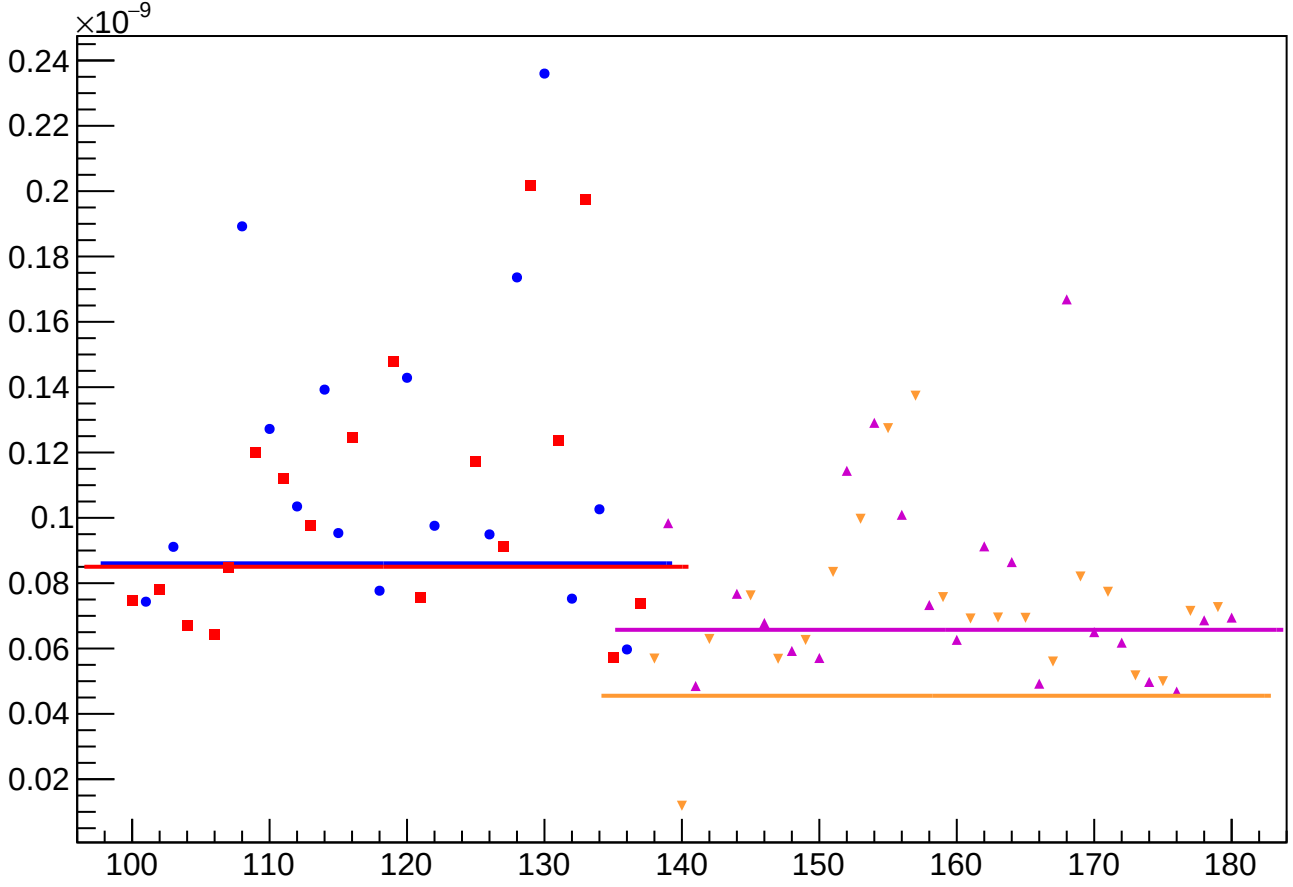
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:20.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/36

All: 0.000+/-0.000 χ^2/NDF: 70.9/75

- sign 0.000+/-0.000 χ^2/NDF: 42.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6373162.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

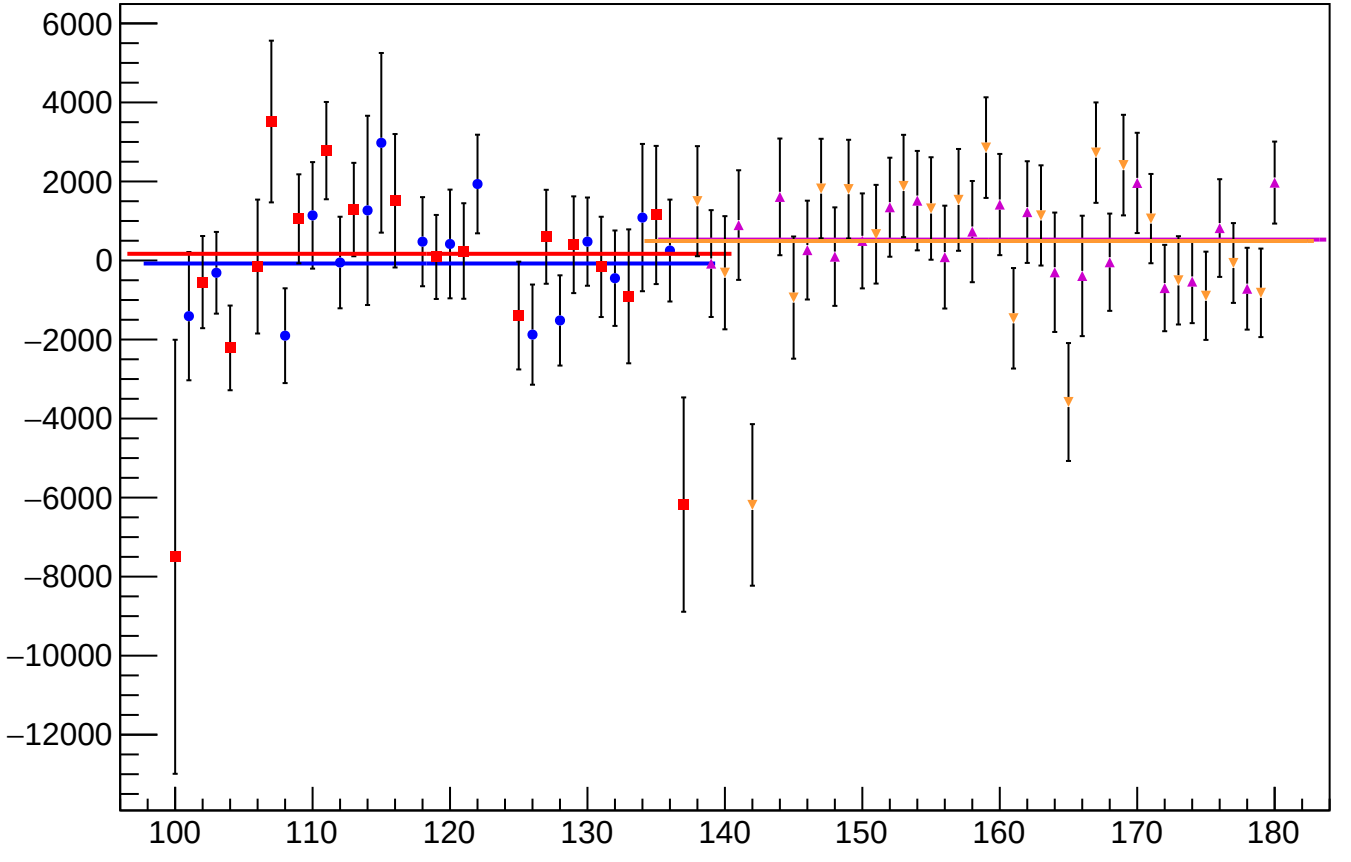
Left In: 0.000+/-0.000 χ^2/NDF:2083485.2/20

\+ sign 0.000+/-0.000 χ^2/NDF: 9024577.2/36

All: 0.000+/-0.000 χ^2/NDF: 13646623.8/75

\- sign 0.000+/-0.000 χ^2/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: 493.199+/-276.570 χ^2/NDF:40.0/20

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

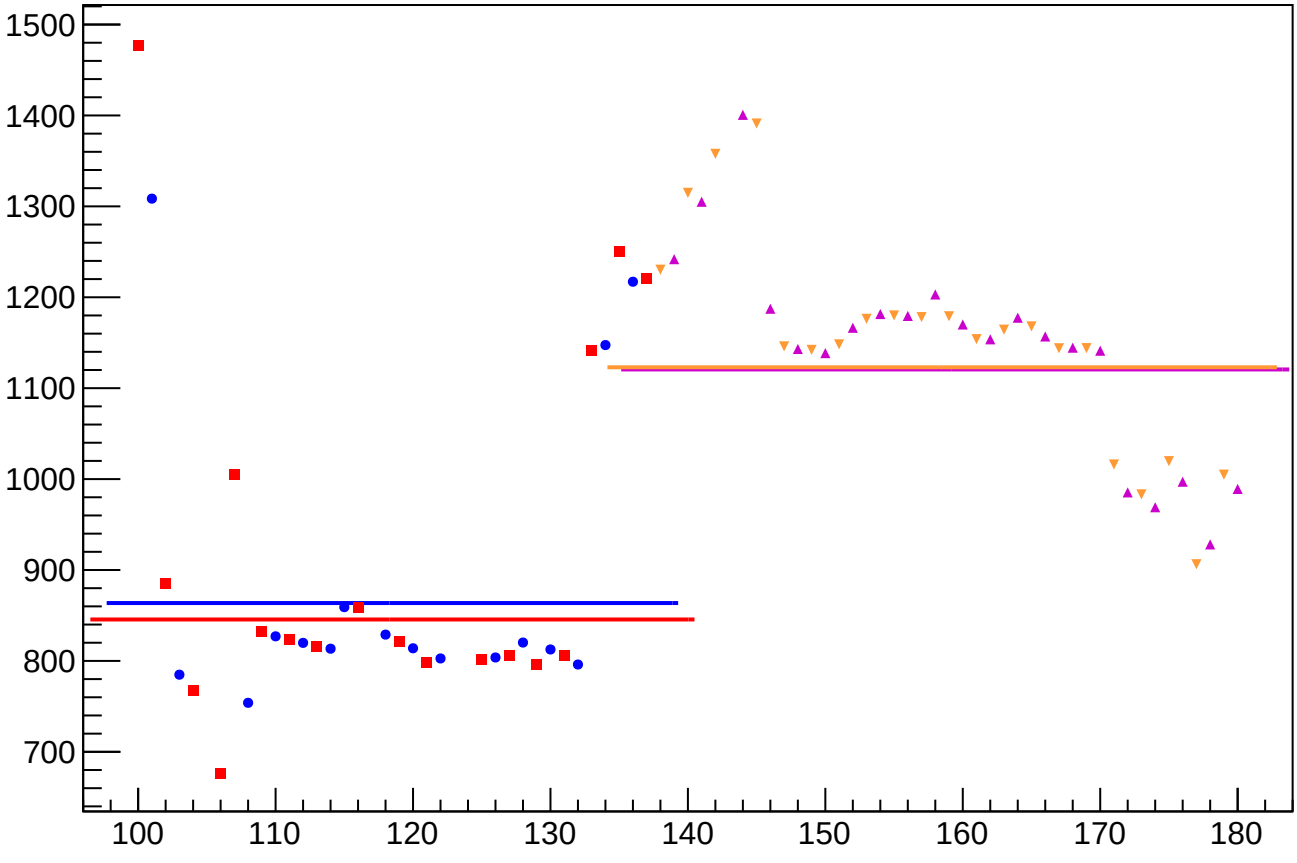
Left In: 528.616+/-271.274 χ^2/NDF:10.8/20

+ sign 255.195+/-210.960 χ^2/NDF: 55.1/36

All: 318.340+/-147.903 χ^2/NDF: 91.2/75

- 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: 1122.978+/-0.196 χ^2/NDF:337932.5/20

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

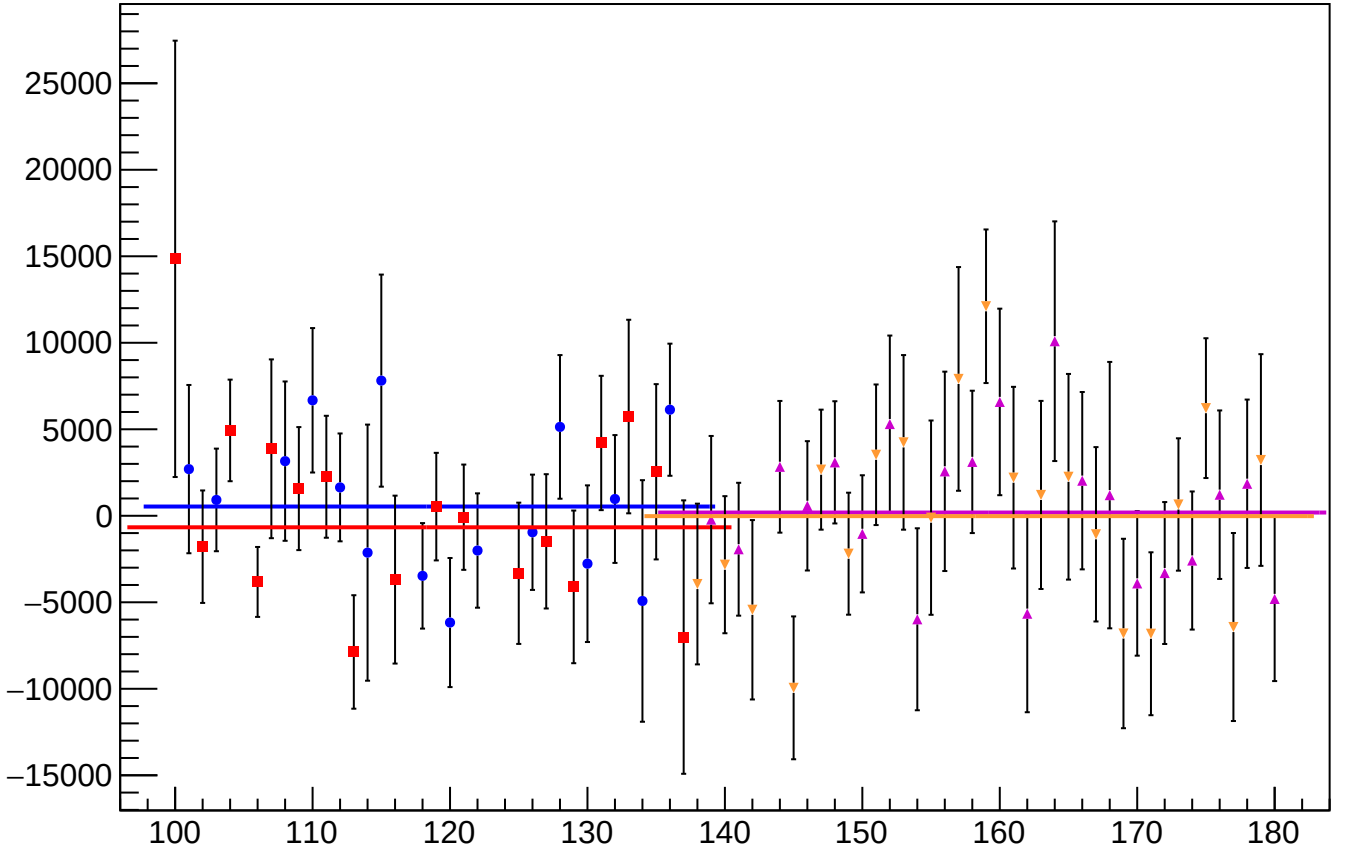
Left In: 1120.614+/-0.192 χ^2/NDF:352797.4/20

+ sign 1014.537+/-0.149 χ^2/NDF: 1480692.5/36

All: 1009.513+/-0.104 χ^2/NDF: 3009883.2/75

- 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: -21.172+/-1009.072 χ^2/NDF:27.6/20

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

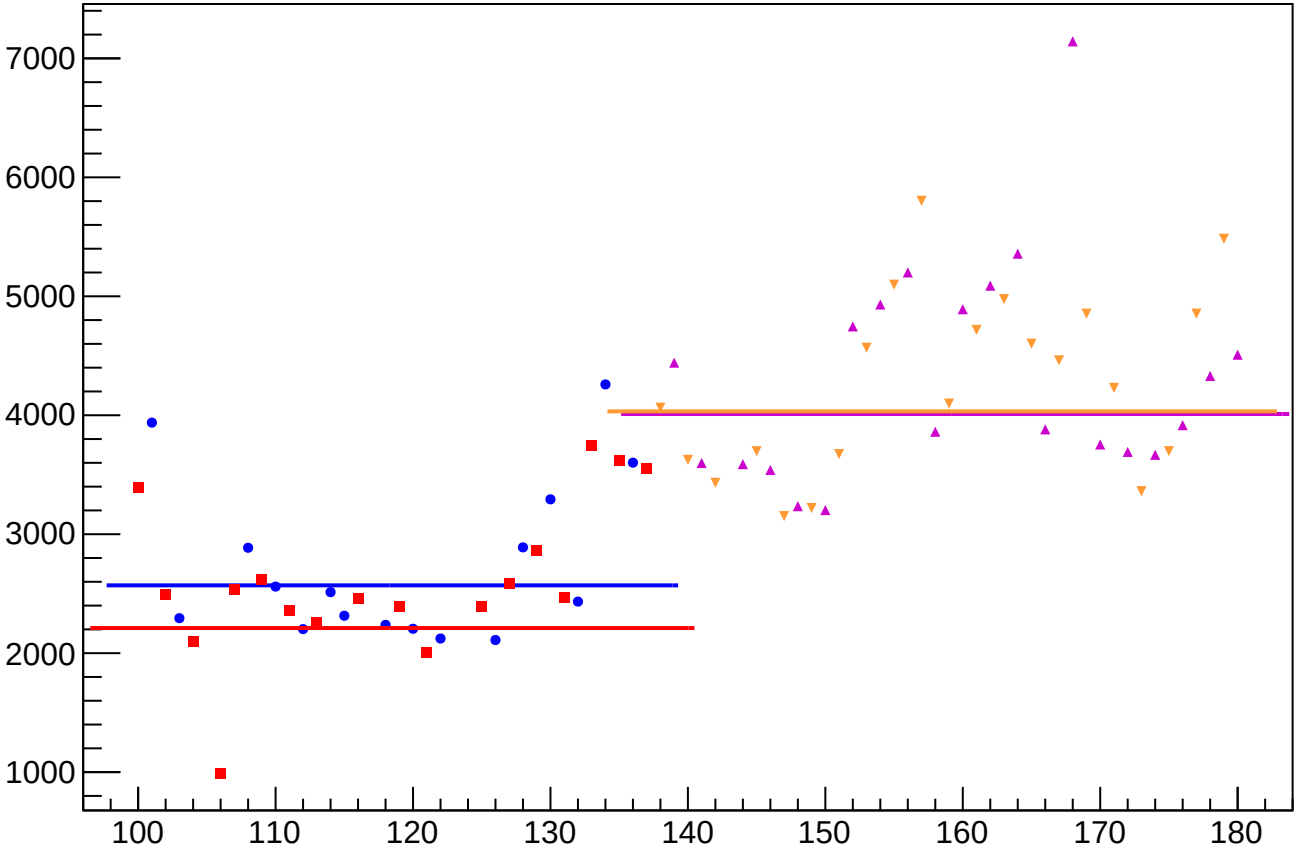
Left In: 187.481+/-984.687 χ^2/NDF:12.8/20

+ sign 264.422+/-703.494 χ^2/NDF: 42.5/36

All: -36.996+/-477.354 χ^2/NDF: 75.9/75

- 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: 4032.736+/-0.714 χ^2/NDF:965564.6/20

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

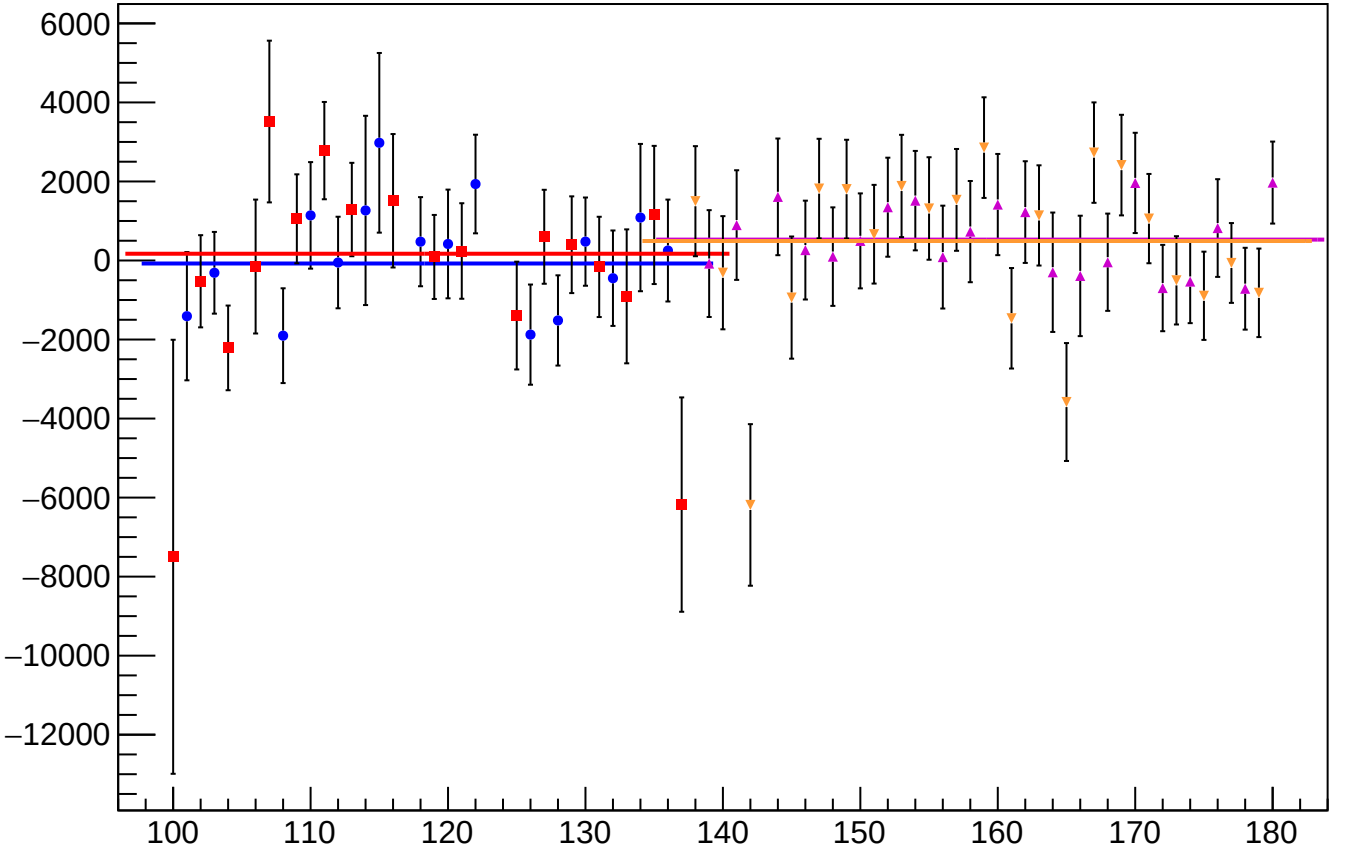
Left In: 4010.413+/-0.696 χ^2/NDF:1094840.5/20

+ sign 3281.024+/-0.497 χ^2/NDF: 3787590.9/36

All: 3126.628+/-0.338 χ^2/NDF: 10093775.5/7

- 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: 493.252+/-276.570 χ^2/NDF:40.0/20

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

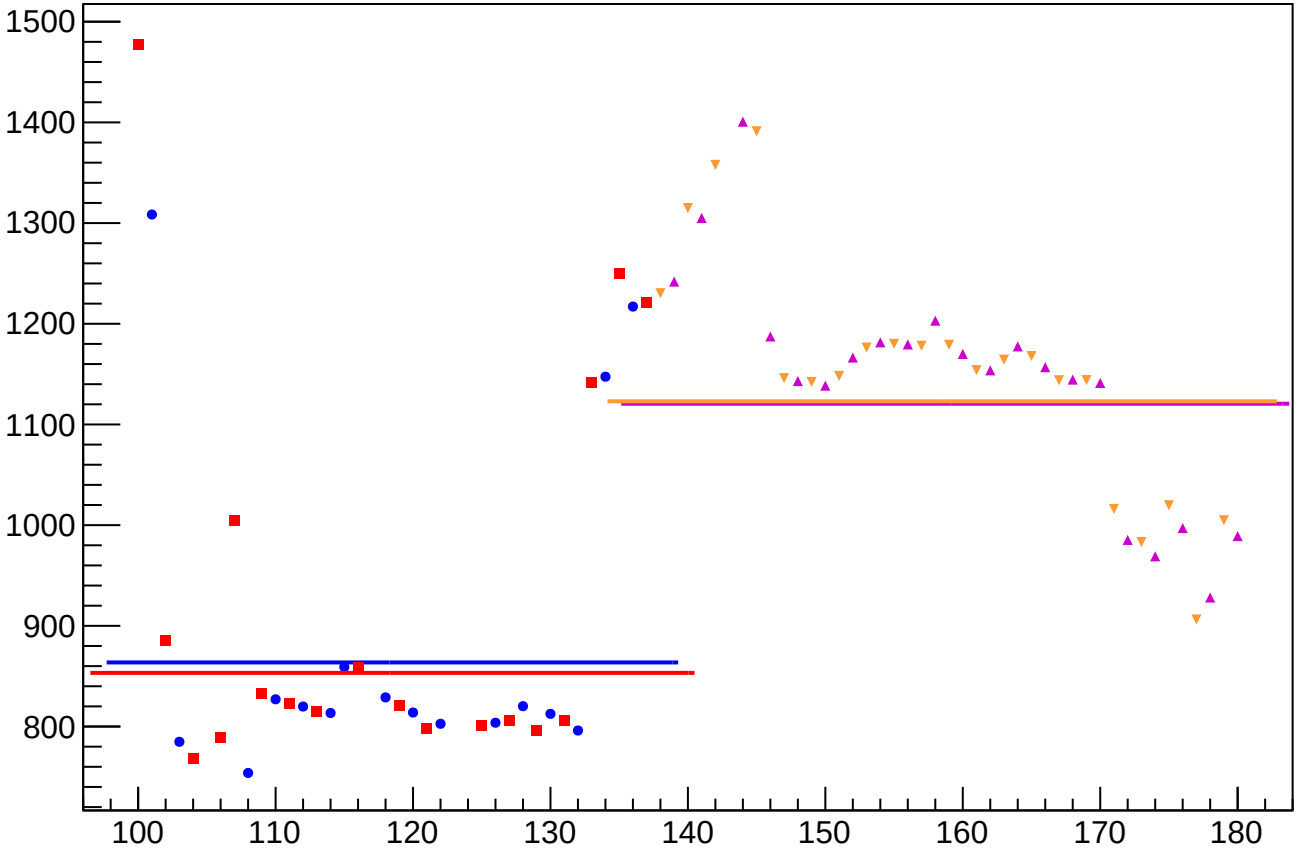
Left In: 528.577+/-271.274 χ^2/NDF:10.8/20

+ sign 255.193+/-210.960 χ^2/NDF: 55.1/36

All: 318.674+/-147.903 χ^2/NDF: 91.1/75

- 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: 1122.978+/-0.196 χ^2/NDF:337932.4/20

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

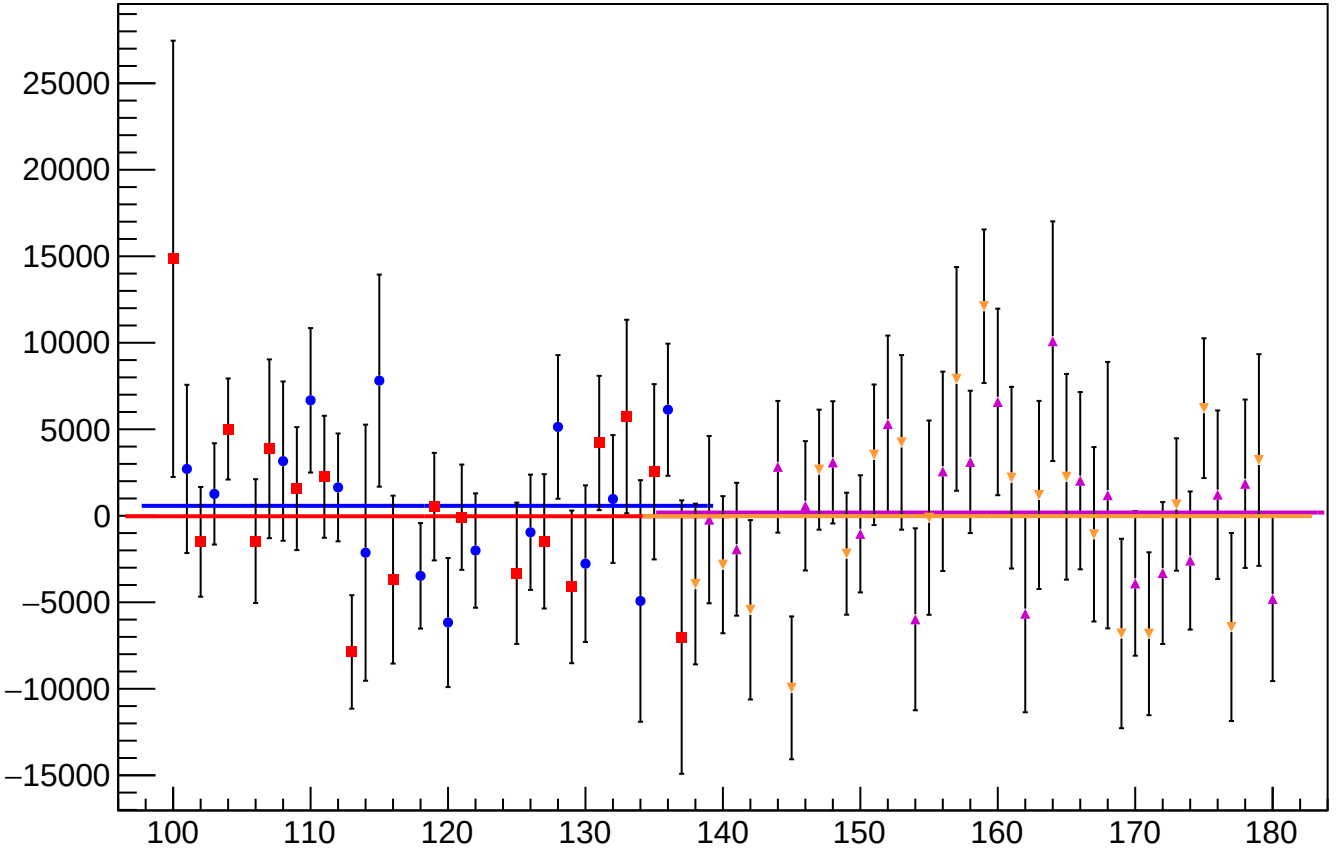
Left In: 1120.614+/-0.192 χ^2/NDF:352797.4/20

+ sign 1014.537+/-0.149 χ^2/NDF: 1480692.6/36

All: 1011.666+/-0.104 χ^2/NDF: 2921193.9/75

- sign 1008.902+/-0.146 χ^2/NDF: 1439774.2/38

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -21.147+/-1009.073 χ^2/NDF:27.6/20

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

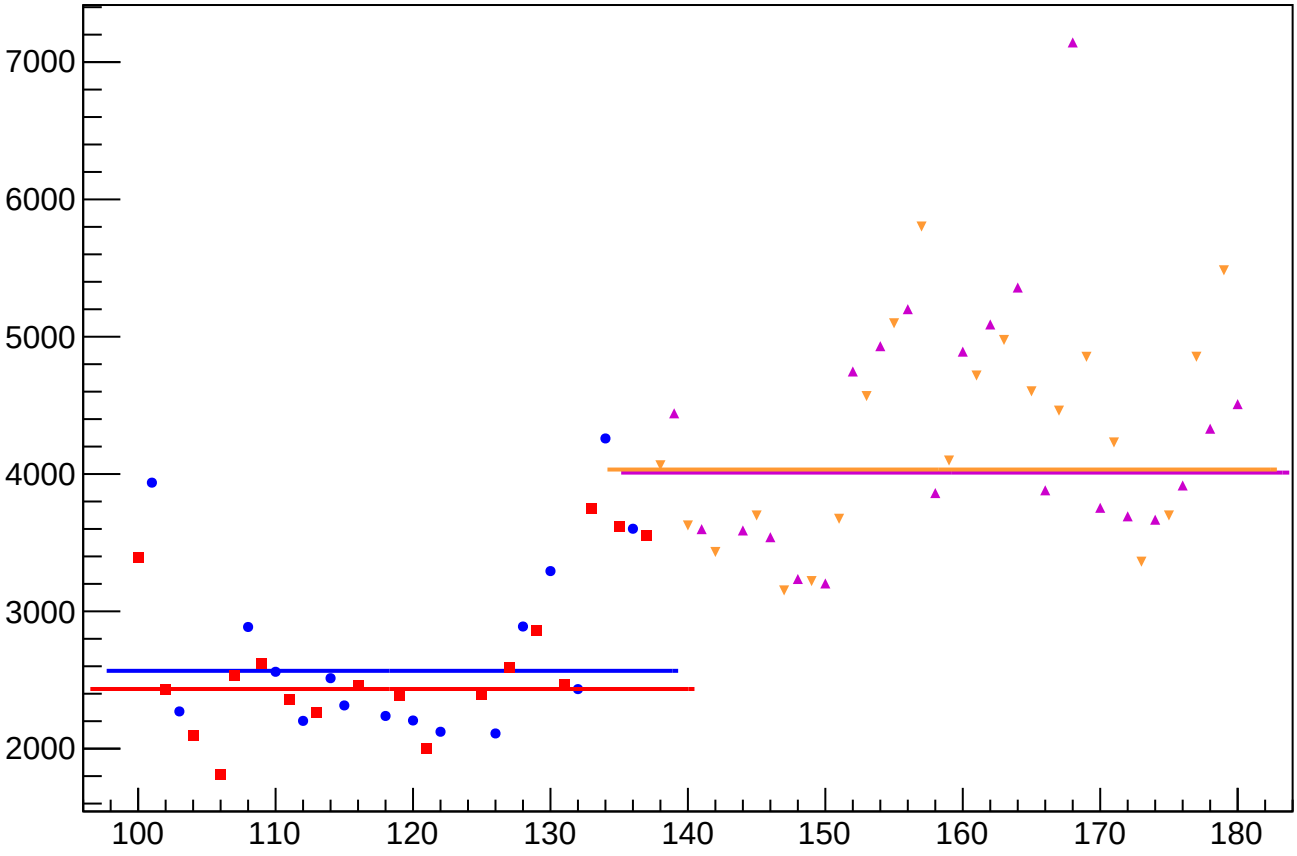
Left In: 187.522+/-984.686 χ^2/NDF:12.8/20

+ sign 285.663+/-702.965 χ^2/NDF: 42.5/36

All: 174.387+/-486.157 χ^2/NDF: 72.6/75

- 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: 4032.738+/-0.714 χ^2/NDF:965561.5/20

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

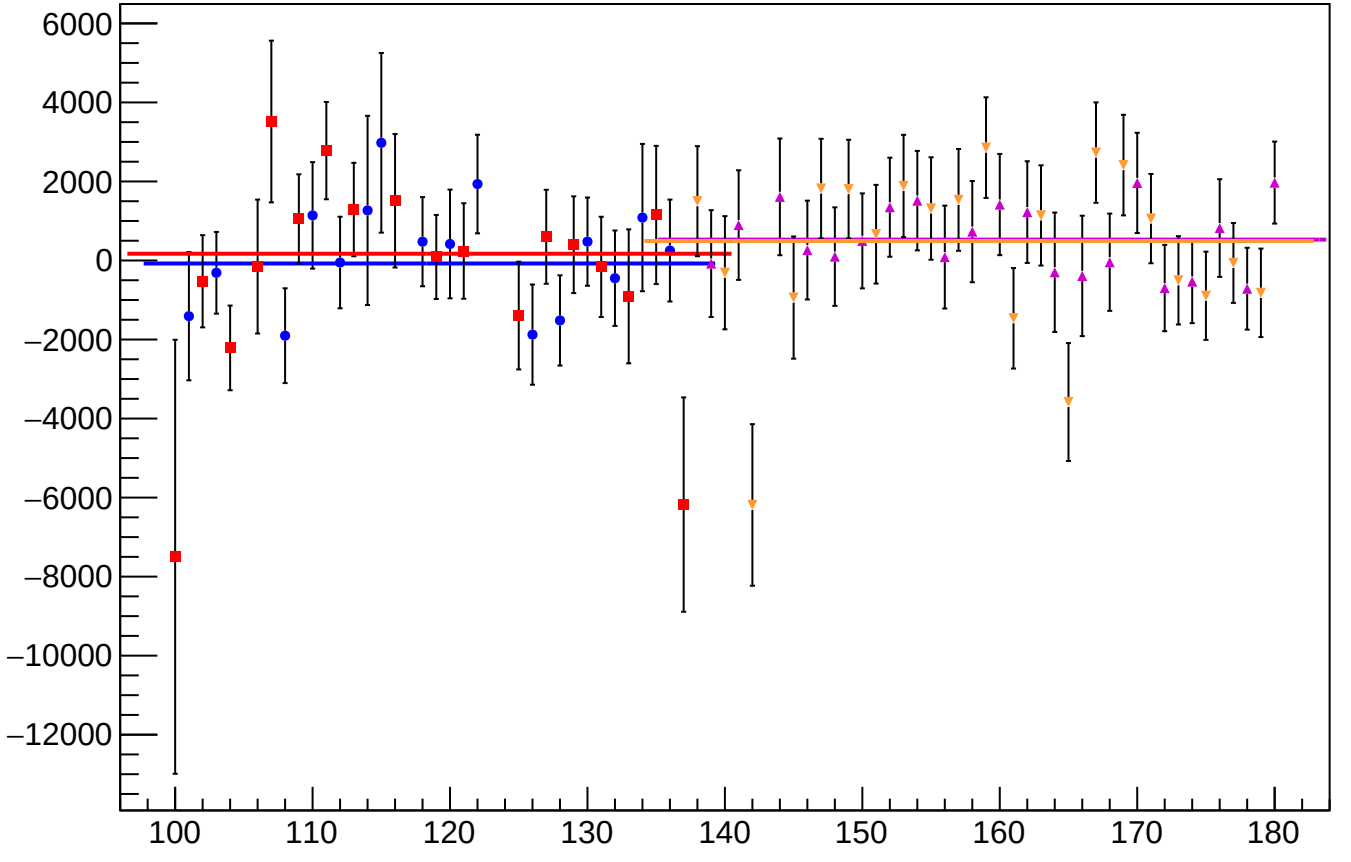
Left In: 4010.408+/-0.696 χ^2/NDF:1094844.5/20

+ sign 3278.205+/-0.497 χ^2/NDF: 3804130.1/36

All: 3222.149+/-0.344 χ^2/NDF: 8086924.9/75

- 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: 493.252+/-276.570 χ^2/NDF:40.0/20

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

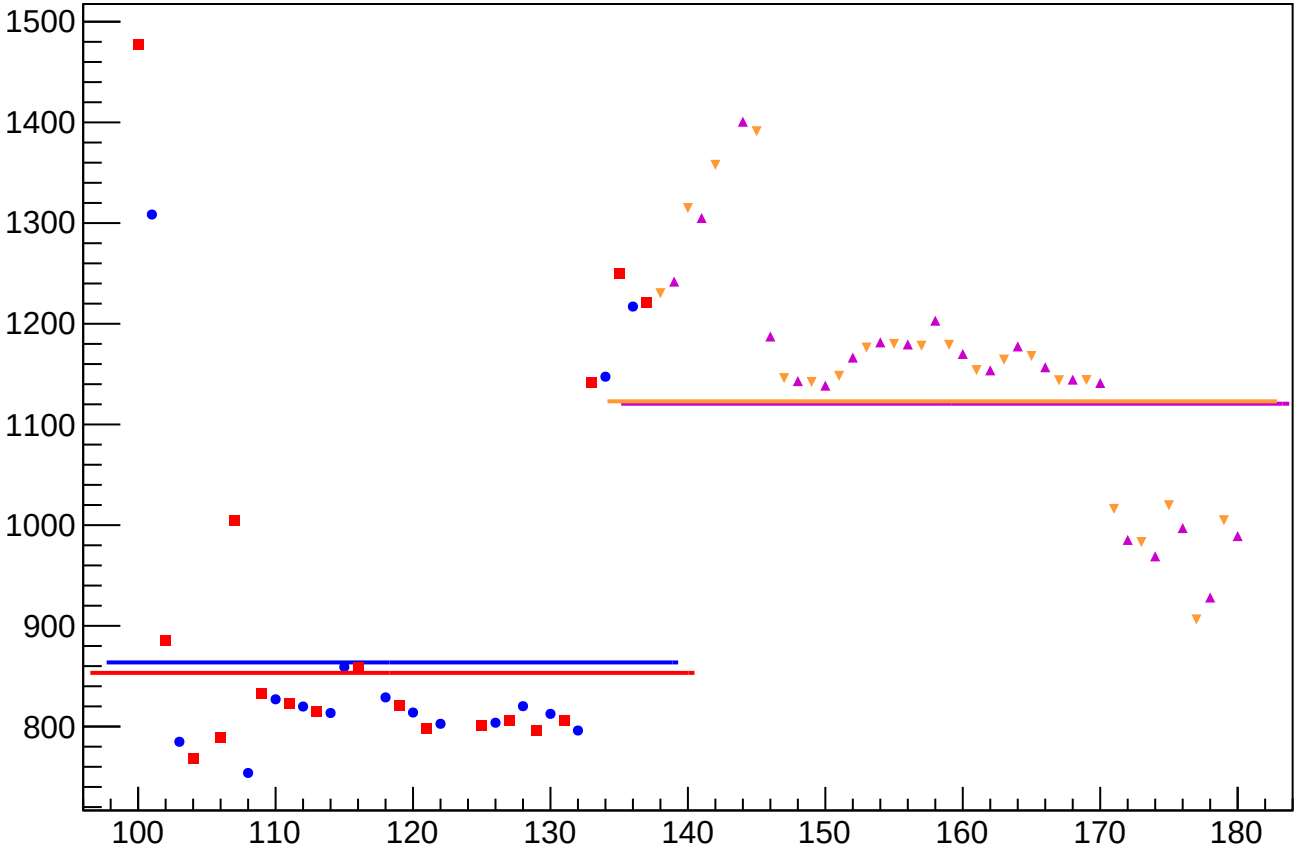
Left In: 528.577+/-271.274 χ^2/NDF:10.8/20

+ sign 255.193+/-210.960 χ^2/NDF: 55.1/36

All: 318.674+/-147.903 χ^2/NDF: 91.1/75

- 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: 1122.978+/-0.196 χ^2/NDF:337932.4/20

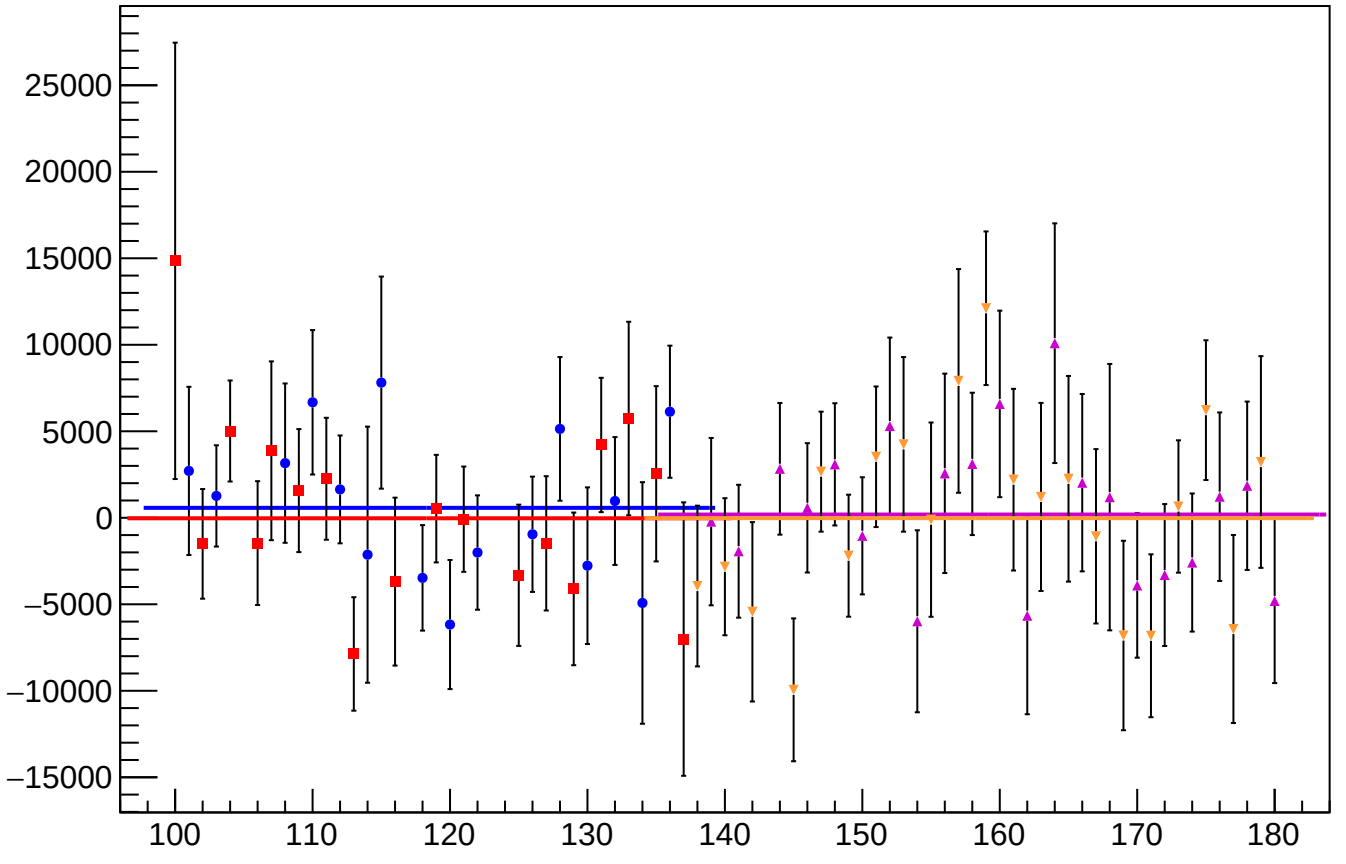
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1120.614+/-0.192 χ^2/NDF:352797.4/20

+ sign 1014.537+/-0.149 χ^2/NDF: 1480692.6/36

All: 1011.666+/-0.104 χ^2/NDF: 2921193.9/75

- 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: -21.147+/-1009.073 χ^2/NDF:27.6/20

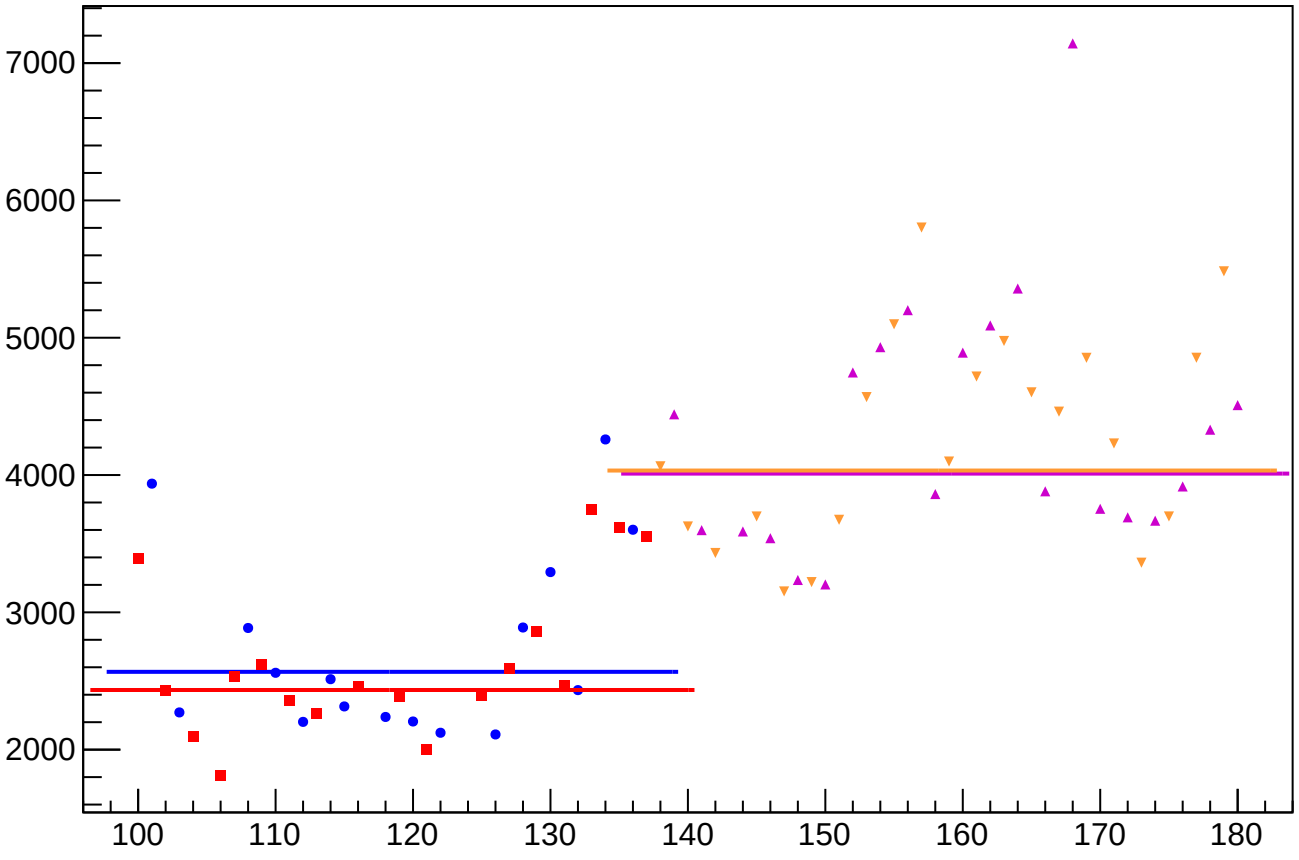
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 187.522+/-984.686 χ^2/NDF:12.8/20

\+ sign 285.663+/-702.965 χ^2/NDF: 42.5/36

All: 174.387+/-486.157 χ^2/NDF: 72.6/75

\- 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: 4032.738+/-0.714 χ^2/NDF:965561.5/20

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

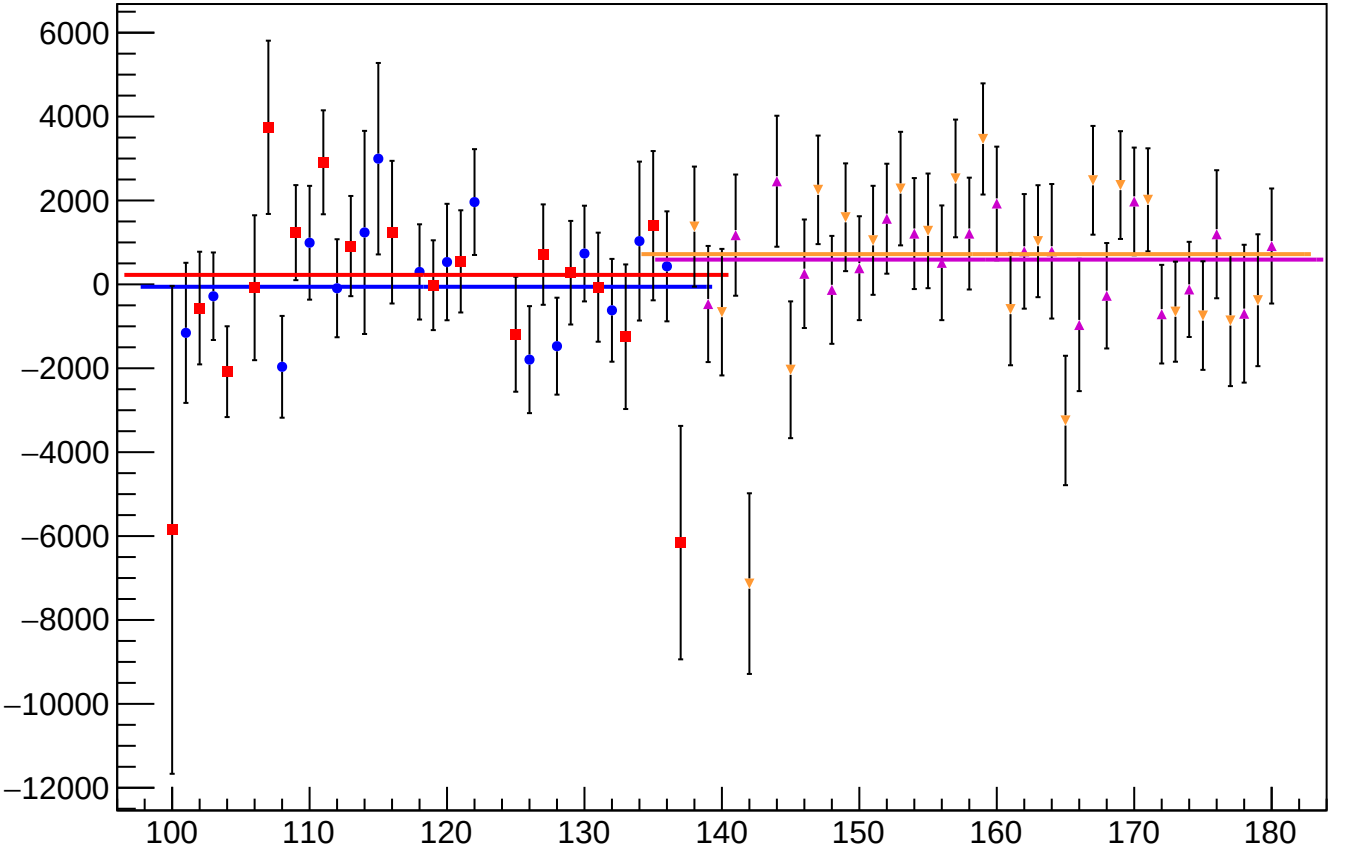
Left In: 4010.408+/-0.696 χ^2/NDF:1094844.5/20

+ sign 3278.205+/-0.497 χ^2/NDF: 3804130.1/36

All: 3222.149+/-0.344 χ^2/NDF: 8086924.9/75

- 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: 720.990+/-301.633 χ^2/NDF:42.9/20

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

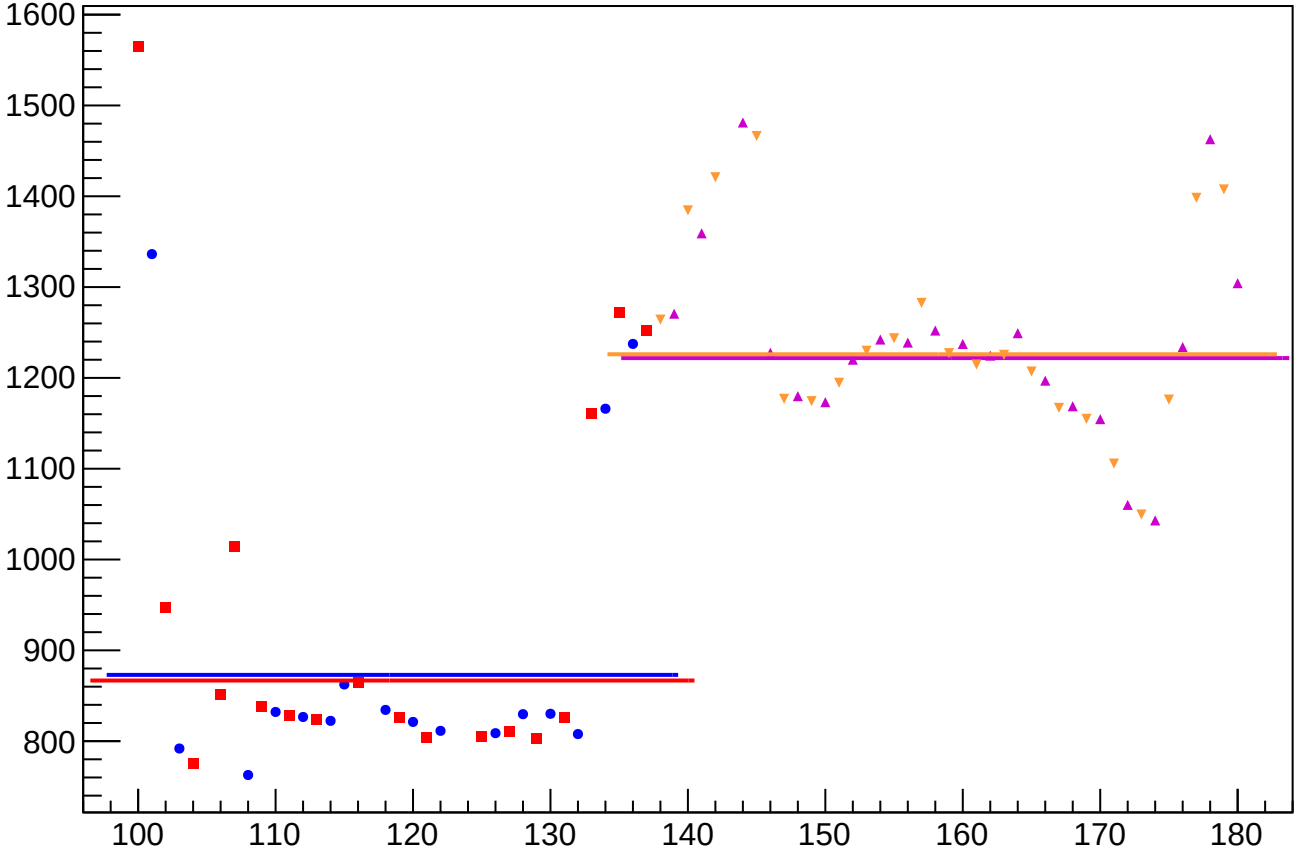
Left In: 590.167+/-295.396 χ^2/NDF:9.7/20

+ sign 366.873+/-222.668 χ^2/NDF: 58.9/36

All: 397.439+/-156.326 χ^2/NDF: 92.2/75

- 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: 1226.019+/-0.213 χ^2/NDF:221845.9/20

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

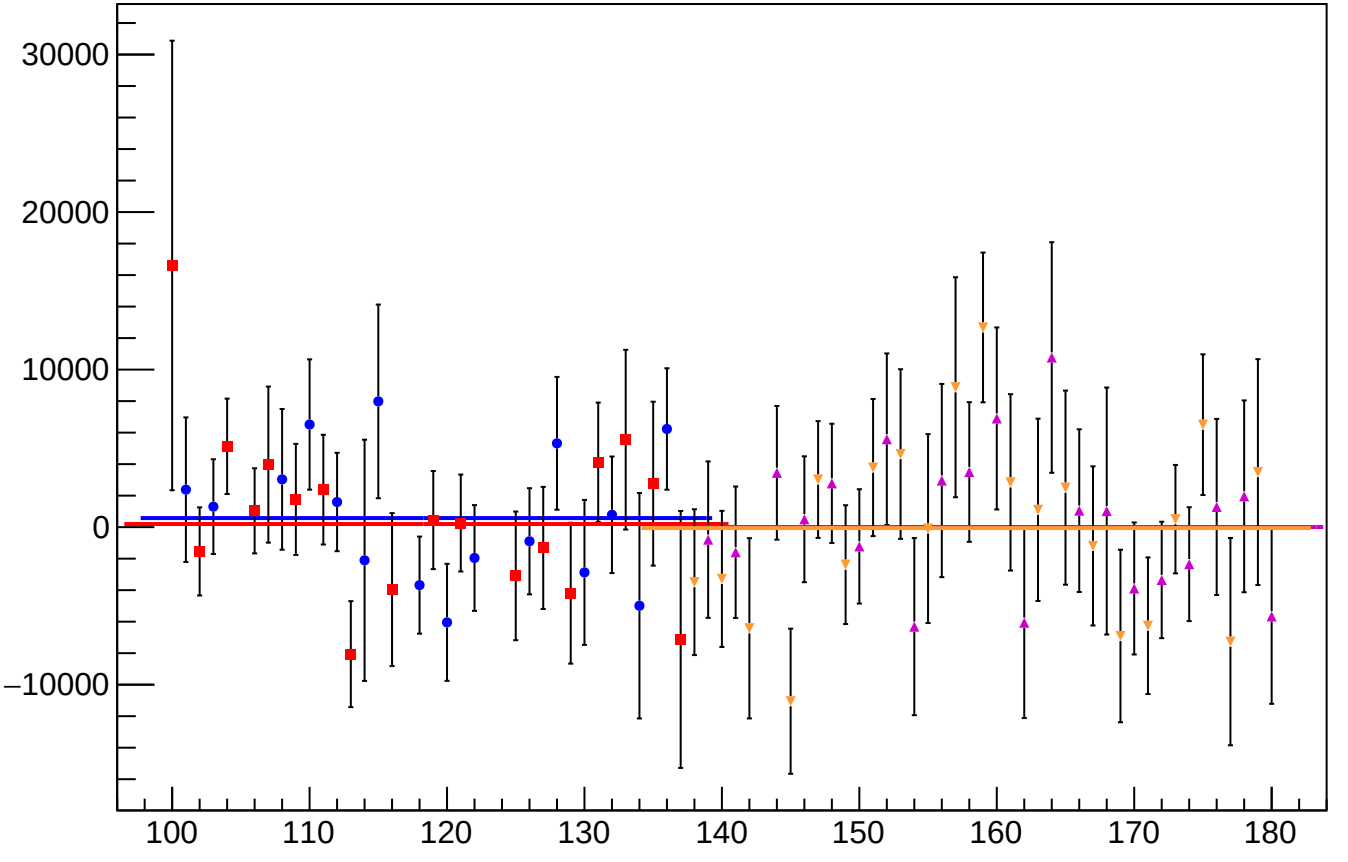
Left In: 1221.823+/-0.209 χ^2/NDF:231121.0/20

+ sign 1065.365+/-0.157 χ^2/NDF: 1885740.0/36

All: 1064.002+/-0.111 χ^2/NDF: 3702485.7/75

- sign 1062.679+/-0.155 χ^2/NDF: 1816598.0/38

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -60.442+/-1058.803 χ^2/NDF:27.2/20

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

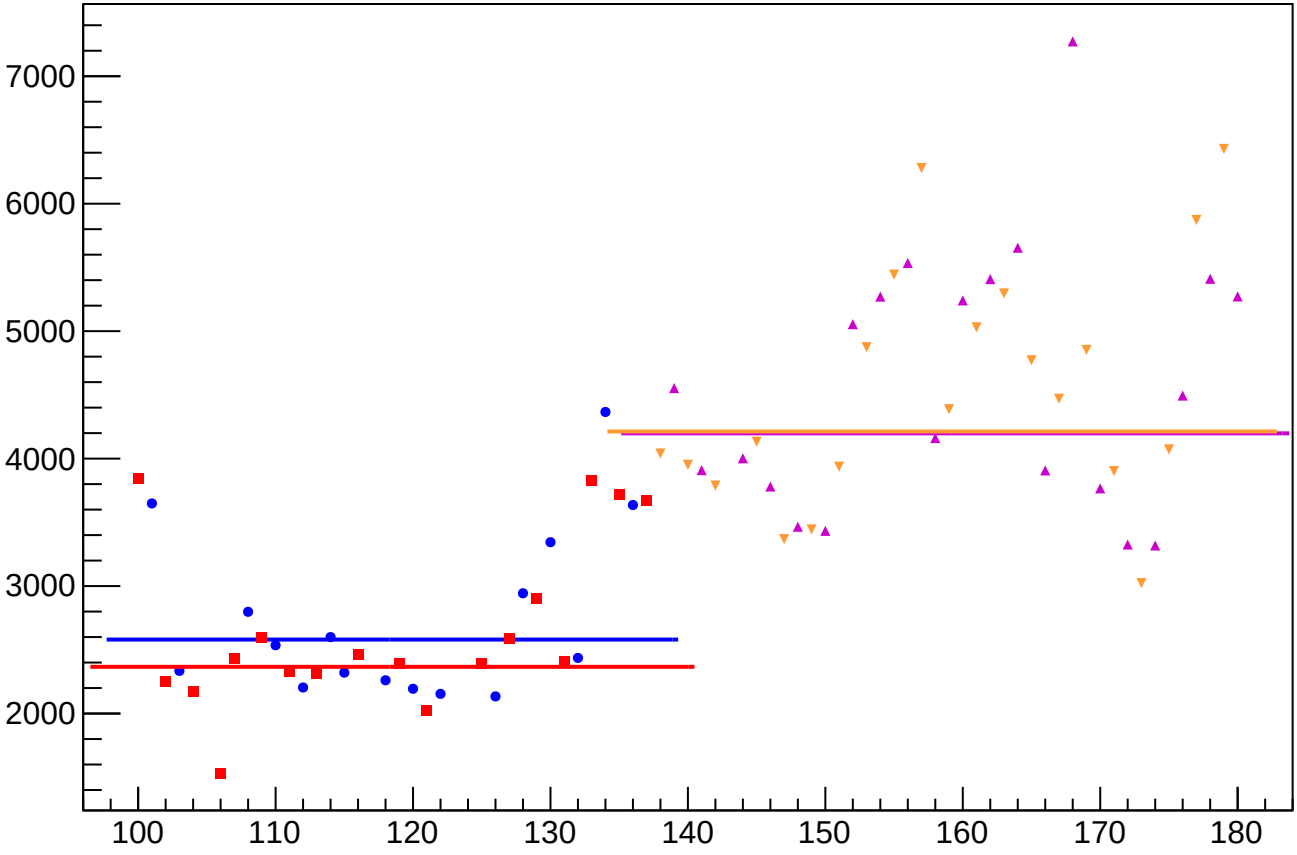
Left In: 7.510+/-1035.489 χ^2/NDF:12.6/20

+ sign 280.376+/-721.137 χ^2/NDF: 42.1/36

All: 193.298+/-493.479 χ^2/NDF: 72.0/75

- 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: 4213.105+/-0.749 χ^2/NDF:1240278.7/20

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

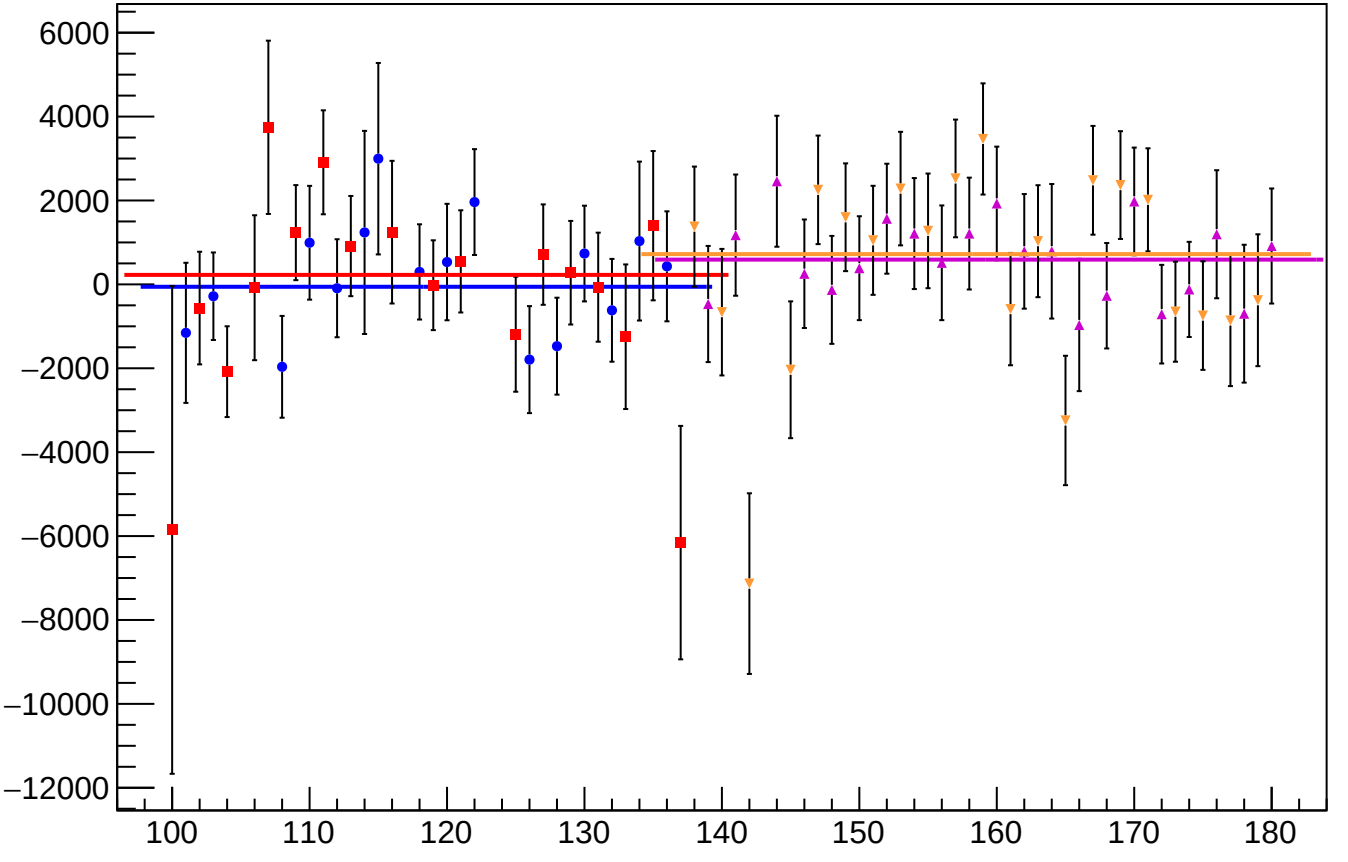
Left In: 4198.229+/-0.732 χ^2/NDF:1376310.3/20

+ sign 3337.766+/-0.510 χ^2/NDF: 4407136.6/36

All: 3237.306+/-0.349 χ^2/NDF: 10053723.4/7

- 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: 720.991+/-301.633 χ^2/NDF:42.9/20

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

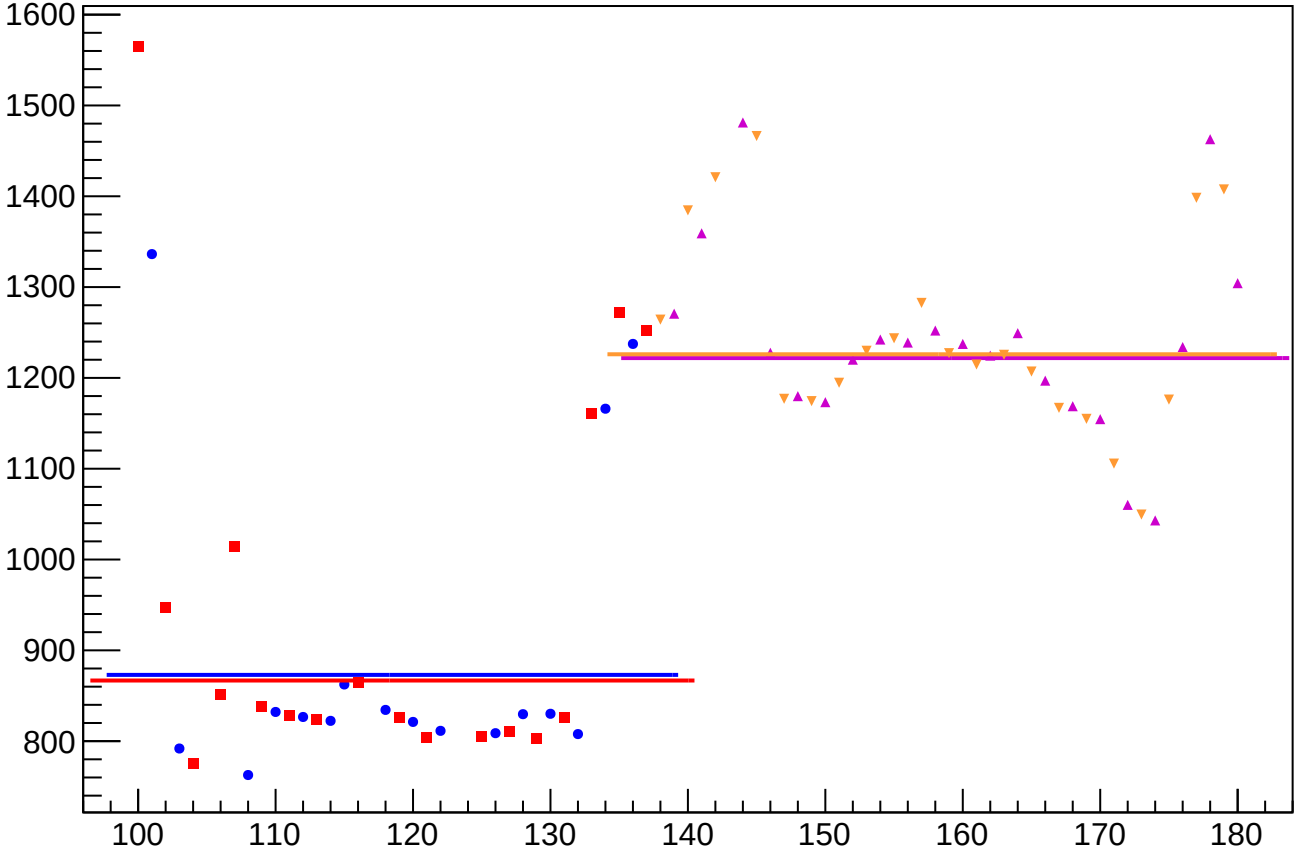
Left In: 590.165+/-295.397 χ^2/NDF:9.7/20

+ sign 366.872+/-222.668 χ^2/NDF: 58.9/36

All: 397.439+/-156.326 χ^2/NDF: 92.2/75

- 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: 1226.020+/-0.213 χ^2/NDF:221858.5/20

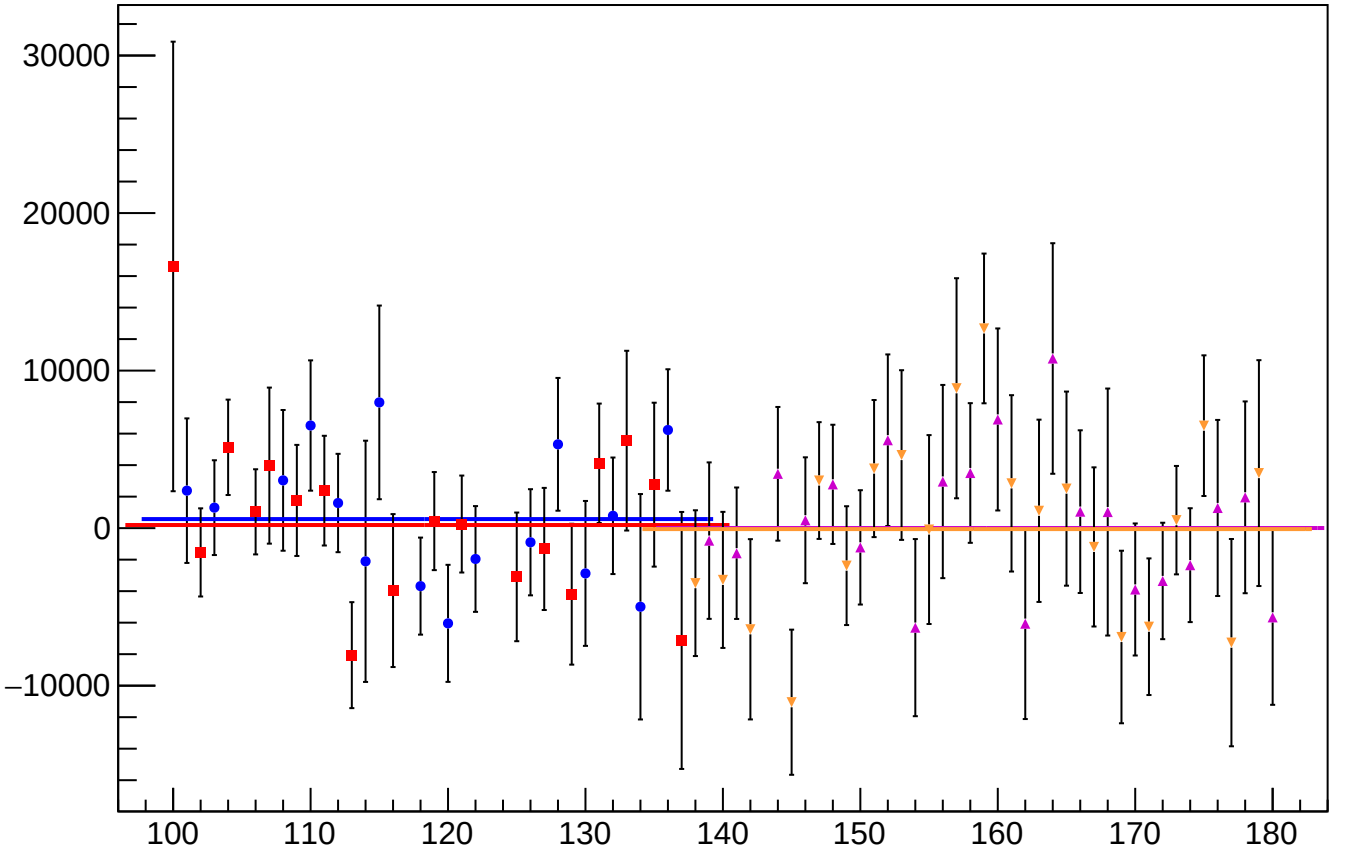
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1221.824+/-0.209 χ^2/NDF:231132.1/20

+ sign 1065.366+/-0.157 χ^2/NDF: 1885756.6/36

All: 1064.003+/-0.111 χ^2/NDF: 3702518.8/75

- 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: -60.441+/-1058.805 χ^2/NDF:27.2/20

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

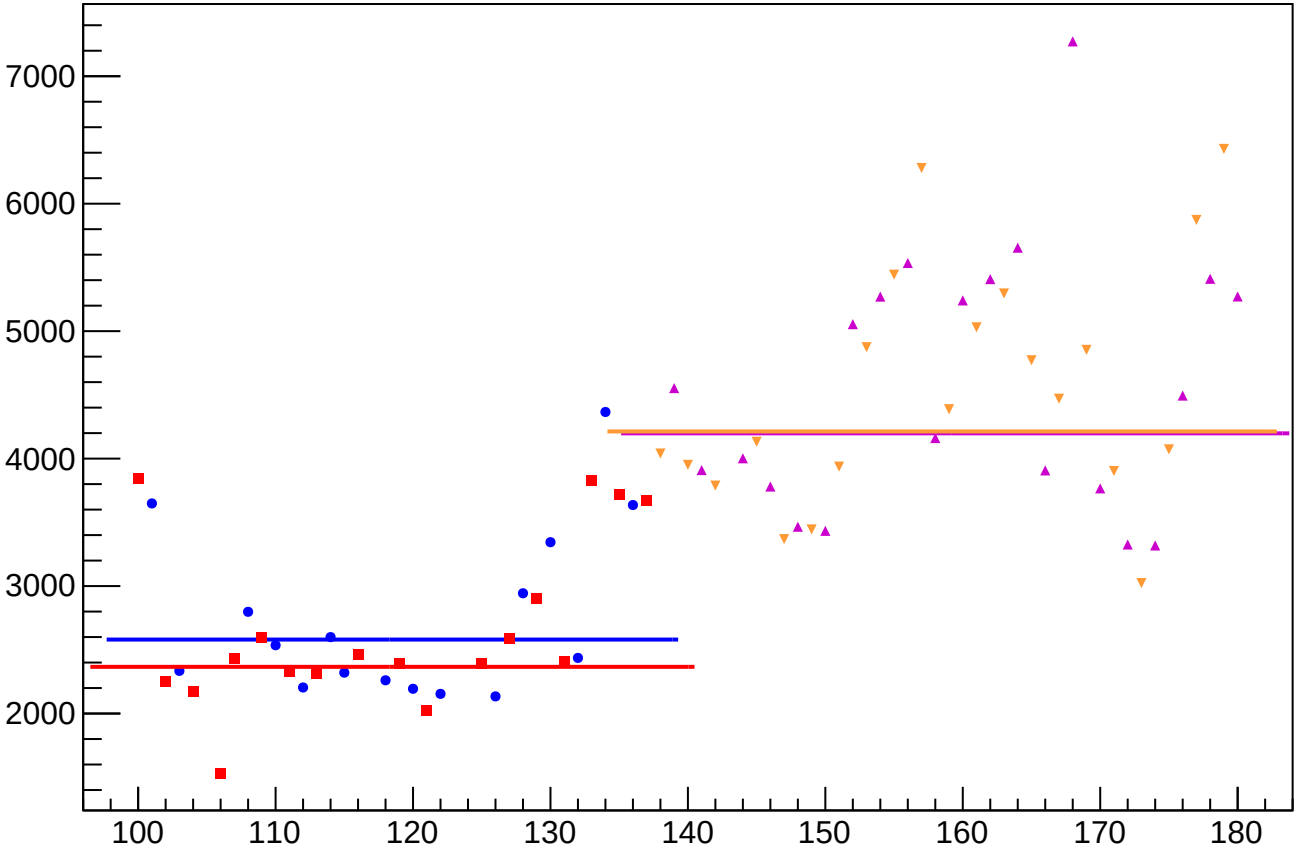
Left In: 7.511+/-1035.491 χ^2/NDF:12.6/20

\+ sign 280.376+/-721.137 χ^2/NDF: 42.1/36

All: 193.298+/-493.478 χ^2/NDF: 72.0/75

\- 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: 4213.113+/-0.749 χ^2/NDF:1240277.8/20

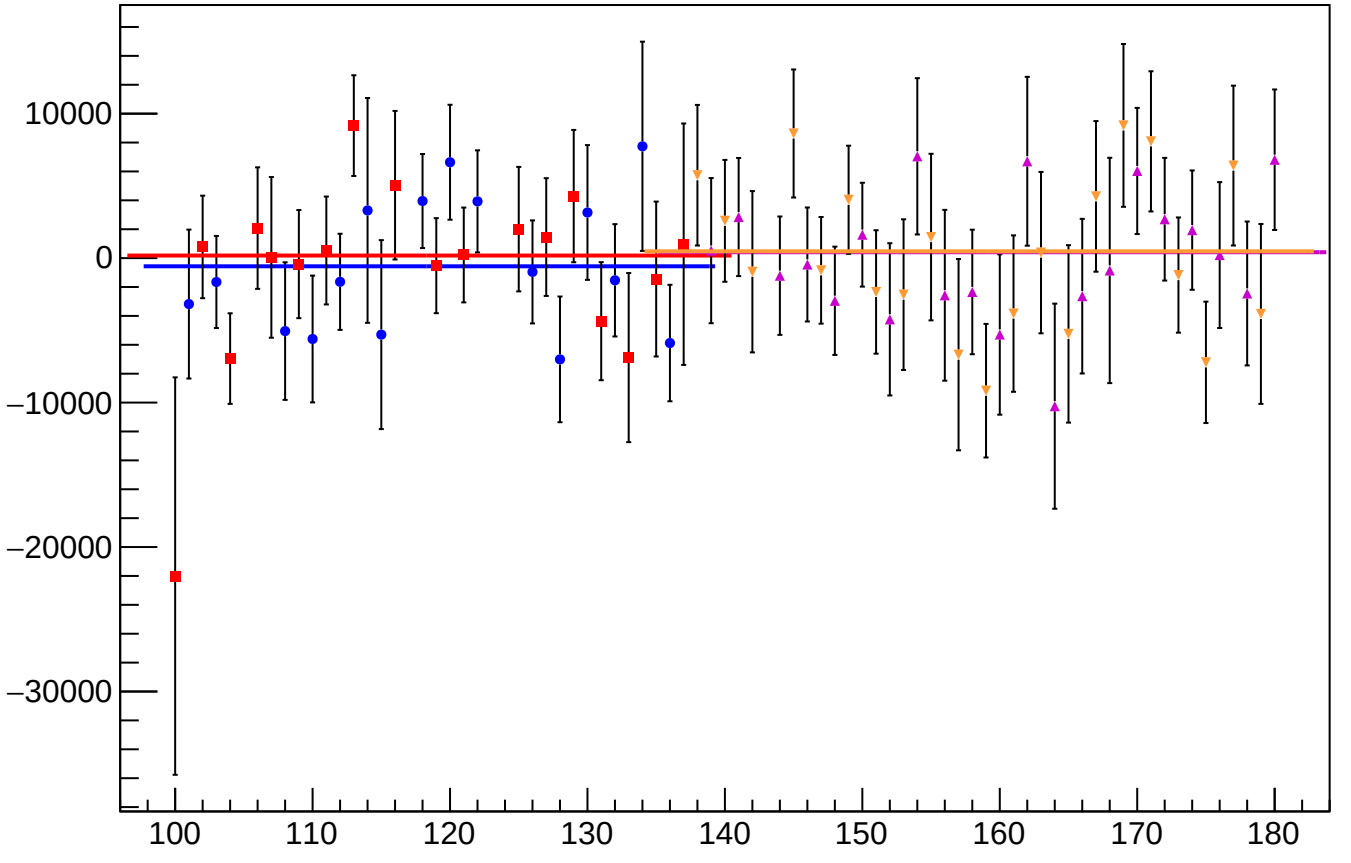
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4198.237+/-0.732 χ^2/NDF:1376311.0/20

+ sign 3337.762+/-0.510 χ^2/NDF: 4407197.1/36

All: 3237.302+/-0.349 χ^2/NDF: 10053845.7/7

- sign 3148.829+/-0.479 χ^2/NDF: 5573653.1/38



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 470.357+/-1054.700 χ^2/NDF:24.3/20

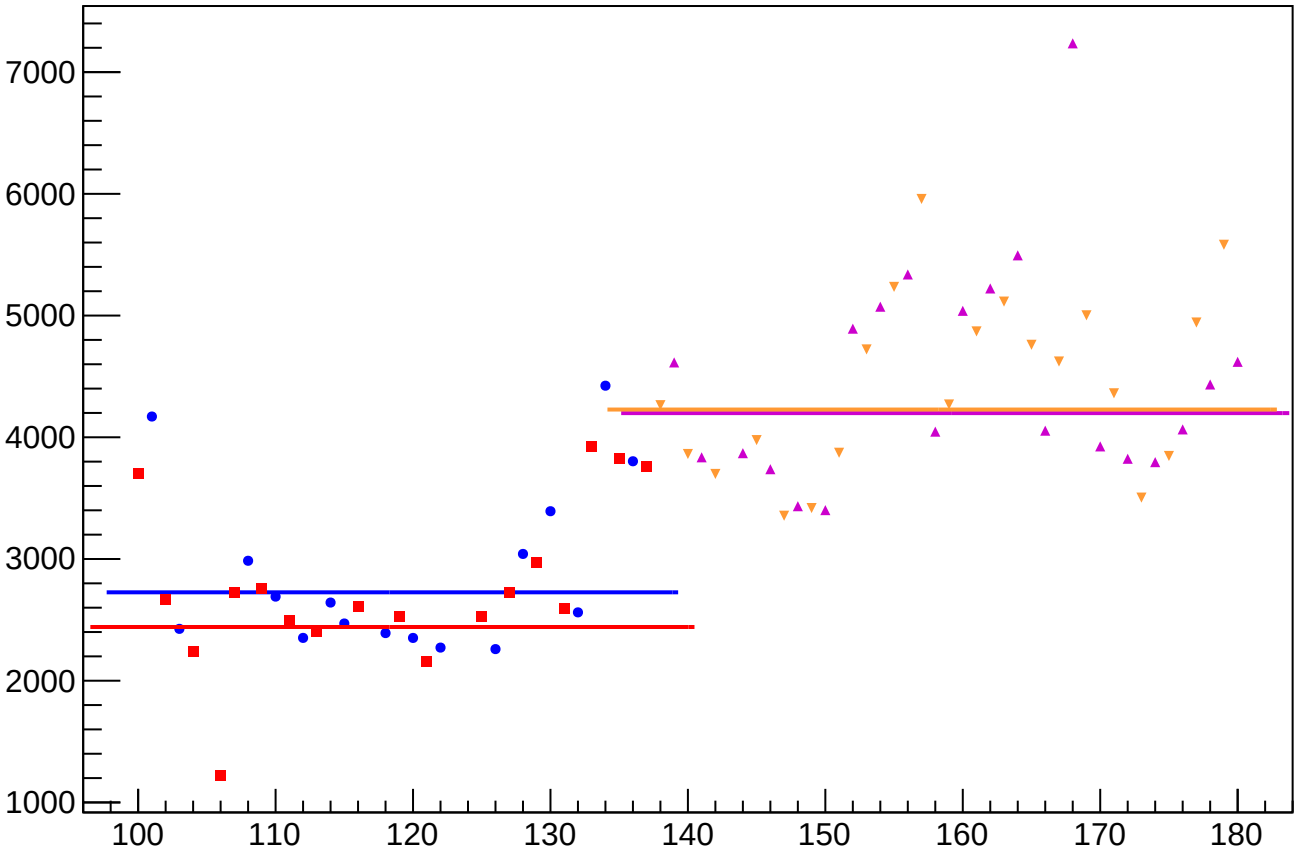
Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 407.971+/-1028.277 χ^2/NDF:13.4/20

\+ sign -54.986+/-740.647 χ^2/NDF: 41.0/36

All: 123.514+/-513.507 χ^2/NDF: 74.0/75

\- sign 288.744+/-712.582 χ^2/NDF: 32.9/38



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4227.924+/-0.746 χ^2/NDF:828803.6/20

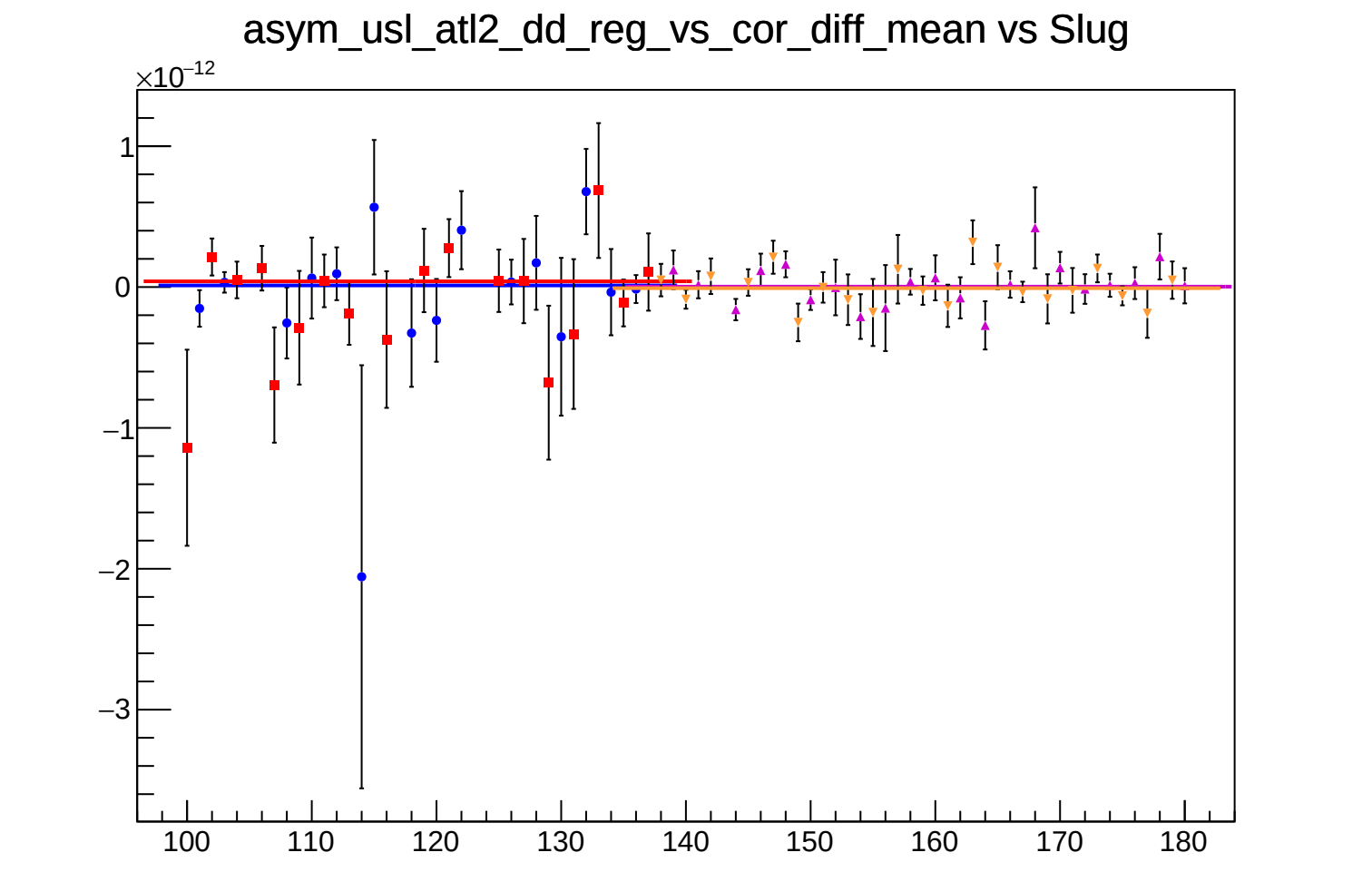
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4198.548+/-0.727 χ^2/NDF:957229.7/20

+ sign 3466.766+/-0.524 χ^2/NDF: 3506963.9/36

All: 3348.460+/-0.358 χ^2/NDF: 8623092.3/75

- 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:20.4/20

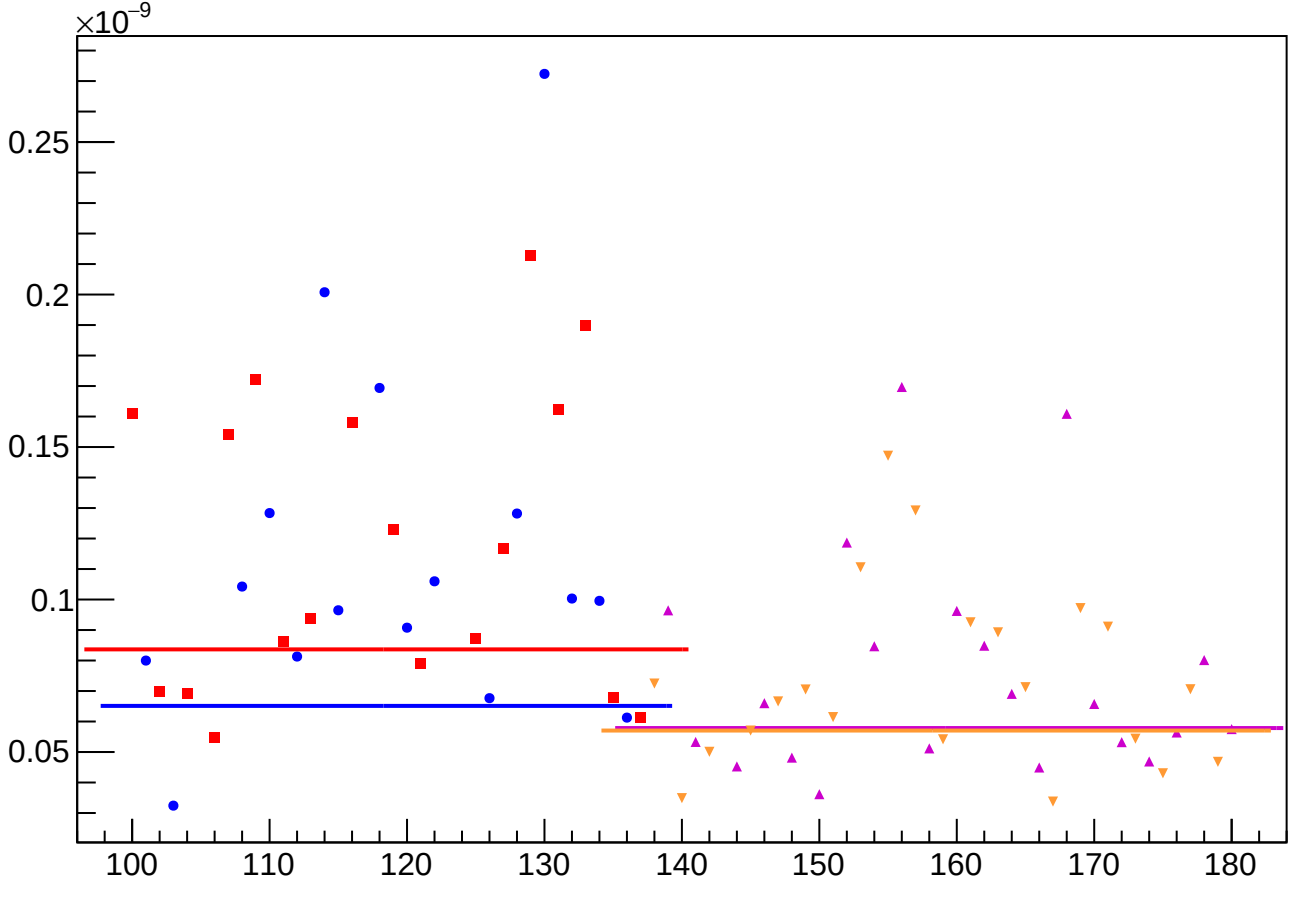
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:21.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/36

All: 0.000+/-0.000 χ^2/NDF: 75.0/75

- 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:1669702.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

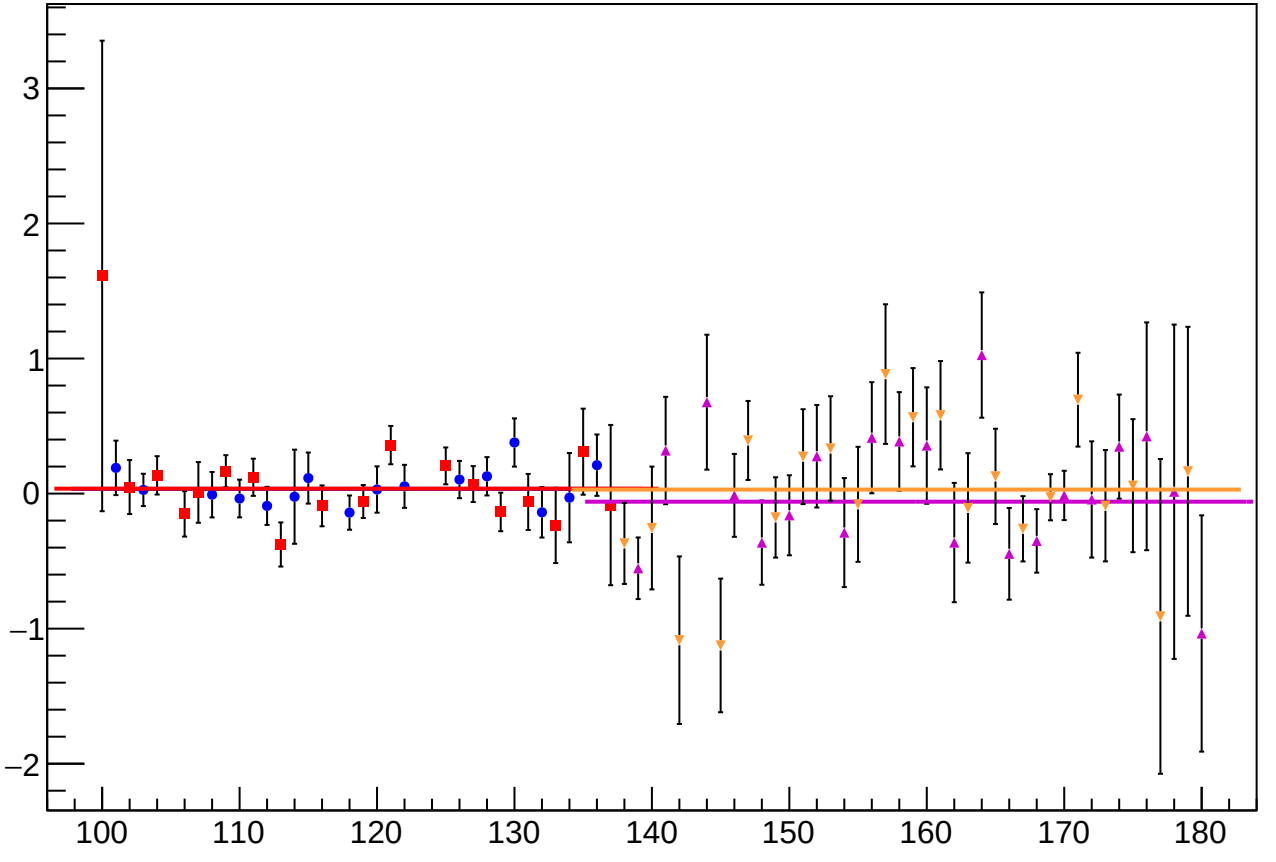
Left In: 0.000+/-0.000 χ^2/NDF:1525939.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 2943632.4/36

All: 0.000+/-0.000 χ^2/NDF: 5571310.7/75

- 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: 0.030+/-0.077 χ^2/NDF:27.0/20

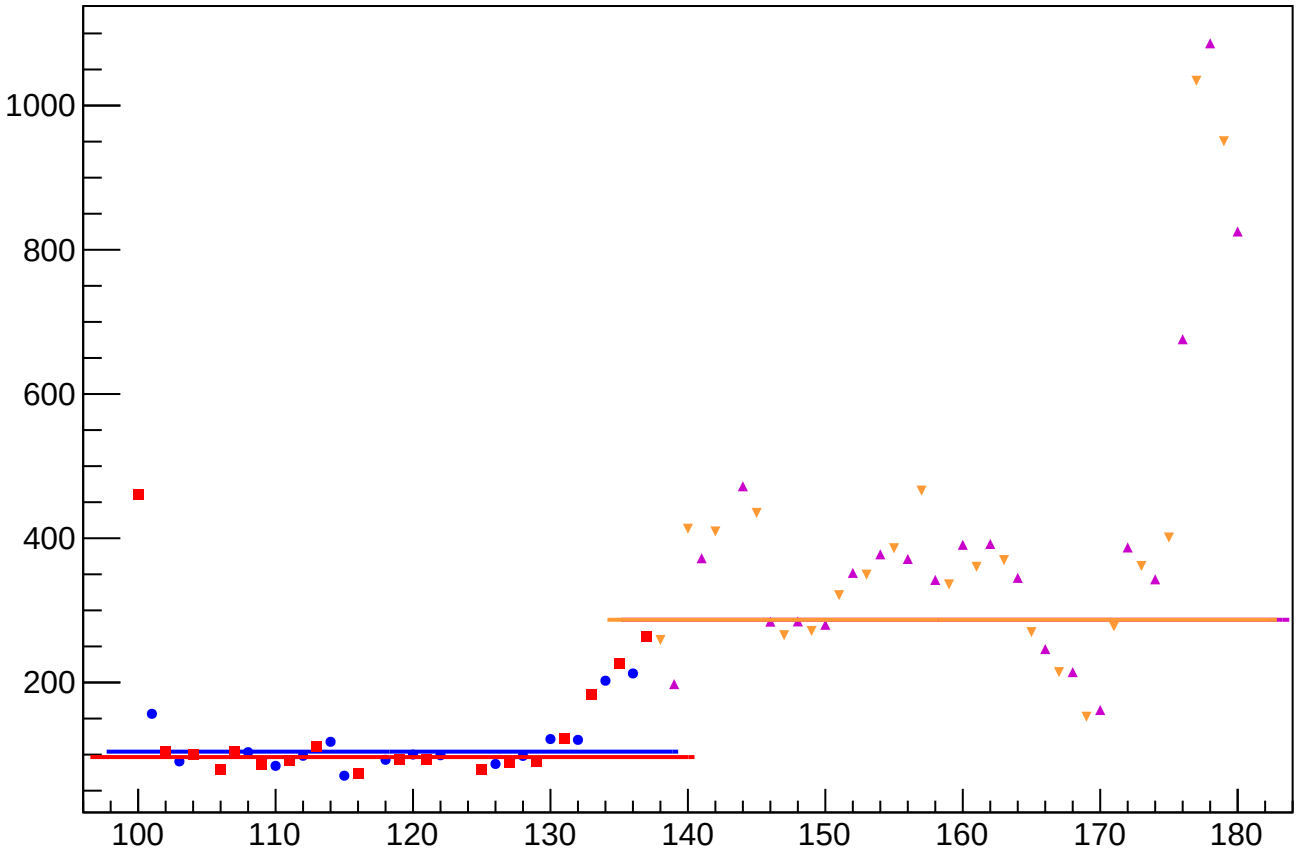
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.060+/-0.075 χ^2/NDF:25.2/20

+ sign 0.034+/-0.036 χ^2/NDF: 36.7/36

All: 0.025+/-0.025 χ^2/NDF: 85.4/75

- 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: 286.993+/-0.054 χ^2/NDF:4242715.5/20

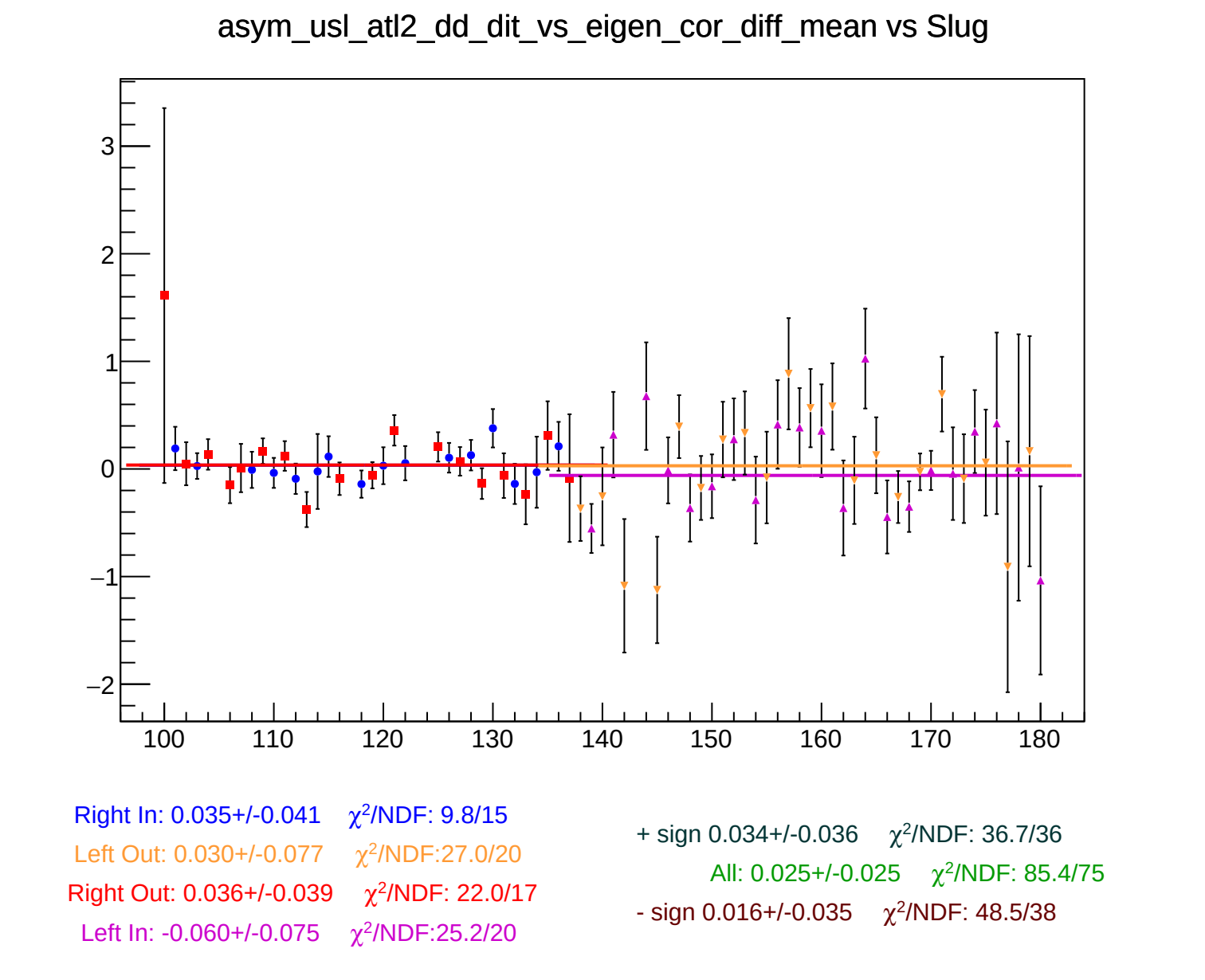
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

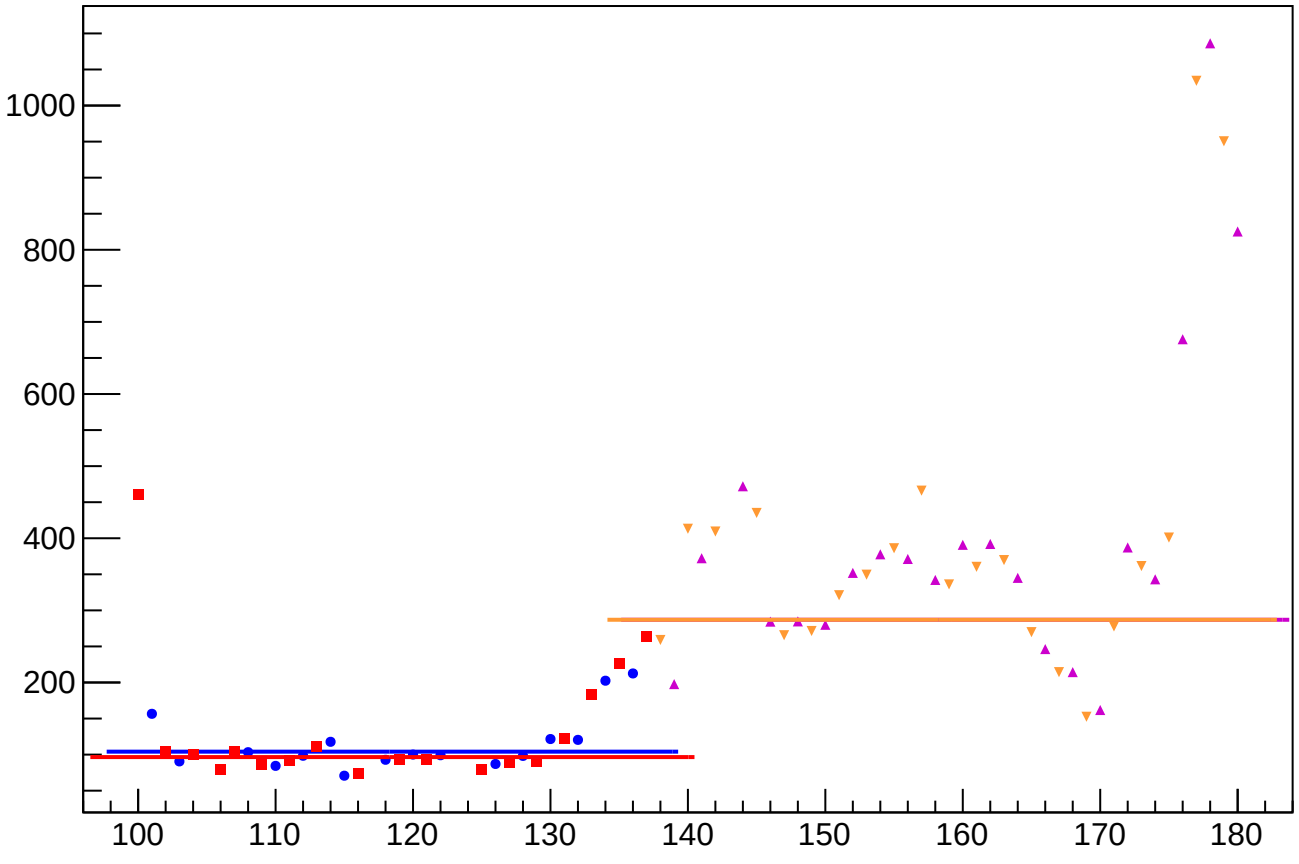
Left In: 286.964+/-0.053 χ^2/NDF:4552022.9/20

+ sign 144.586+/-0.026 χ^2/NDF: 14029332.7/36

All: 140.391+/-0.018 χ^2/NDF: 29653263.2/75

- sign 136.566+/-0.024 χ^2/NDF: 15572596.5/38


asym_usl_atl2_dd_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: 0.030+/-0.077 χ²/NDF:27.0/20
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.060+/-0.075 χ²/NDF:25.2/20
+ sign 0.034+/-0.036 χ²/NDF: 36.7/36
All: 0.025+/-0.025 χ²/NDF: 85.4/75
- sign 0.016+/-0.035 χ²/NDF: 48.5/38



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 286.993+/-0.054 χ^2/NDF:4242715.5/20

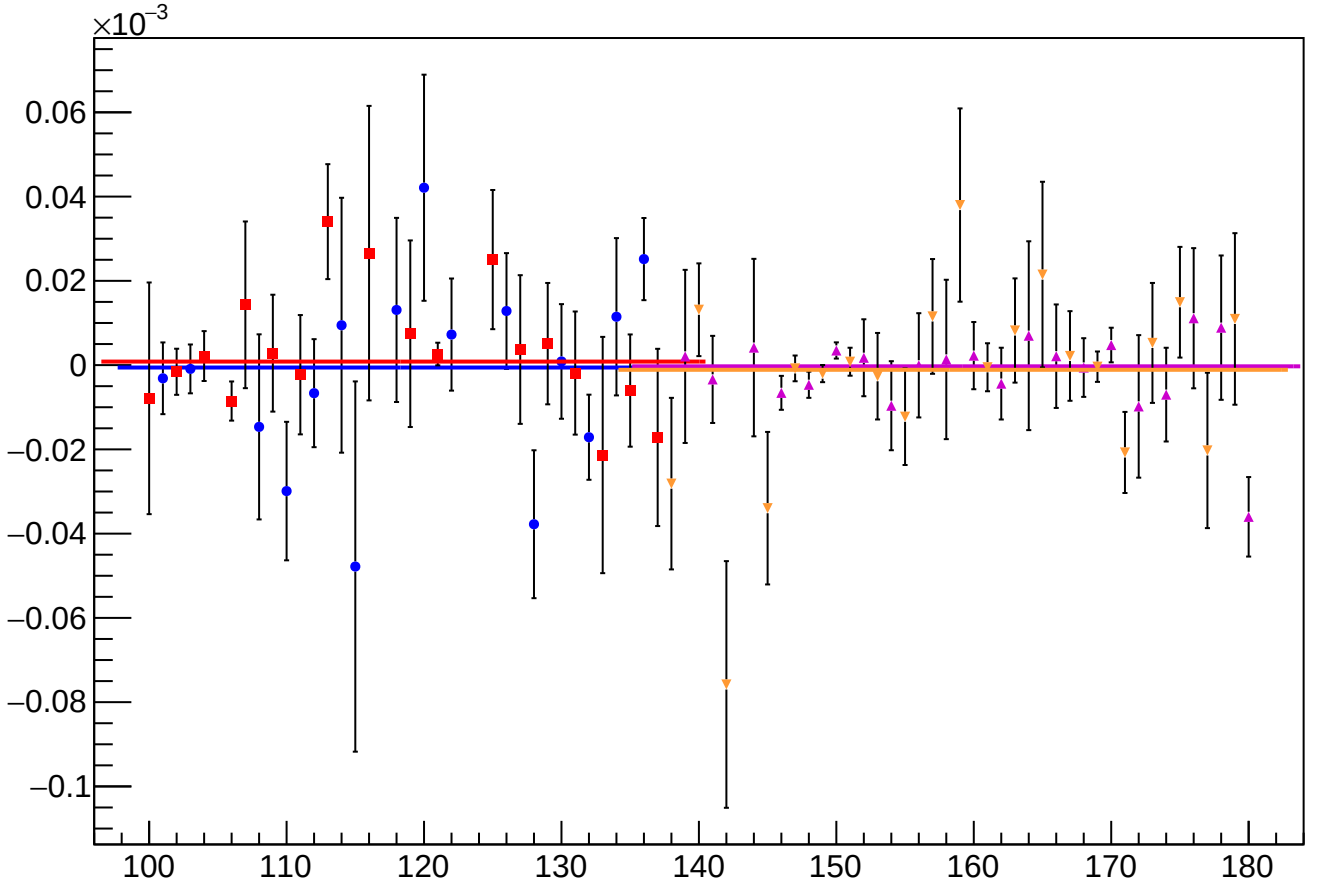
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 286.964+/-0.053 χ^2/NDF:4552022.9/20

+ sign 144.586+/-0.026 χ^2/NDF: 14029332.7/36

All: 140.391+/-0.018 χ^2/NDF: 29653263.2/75

- sign 136.566+/-0.024 χ^2/NDF: 15572596.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

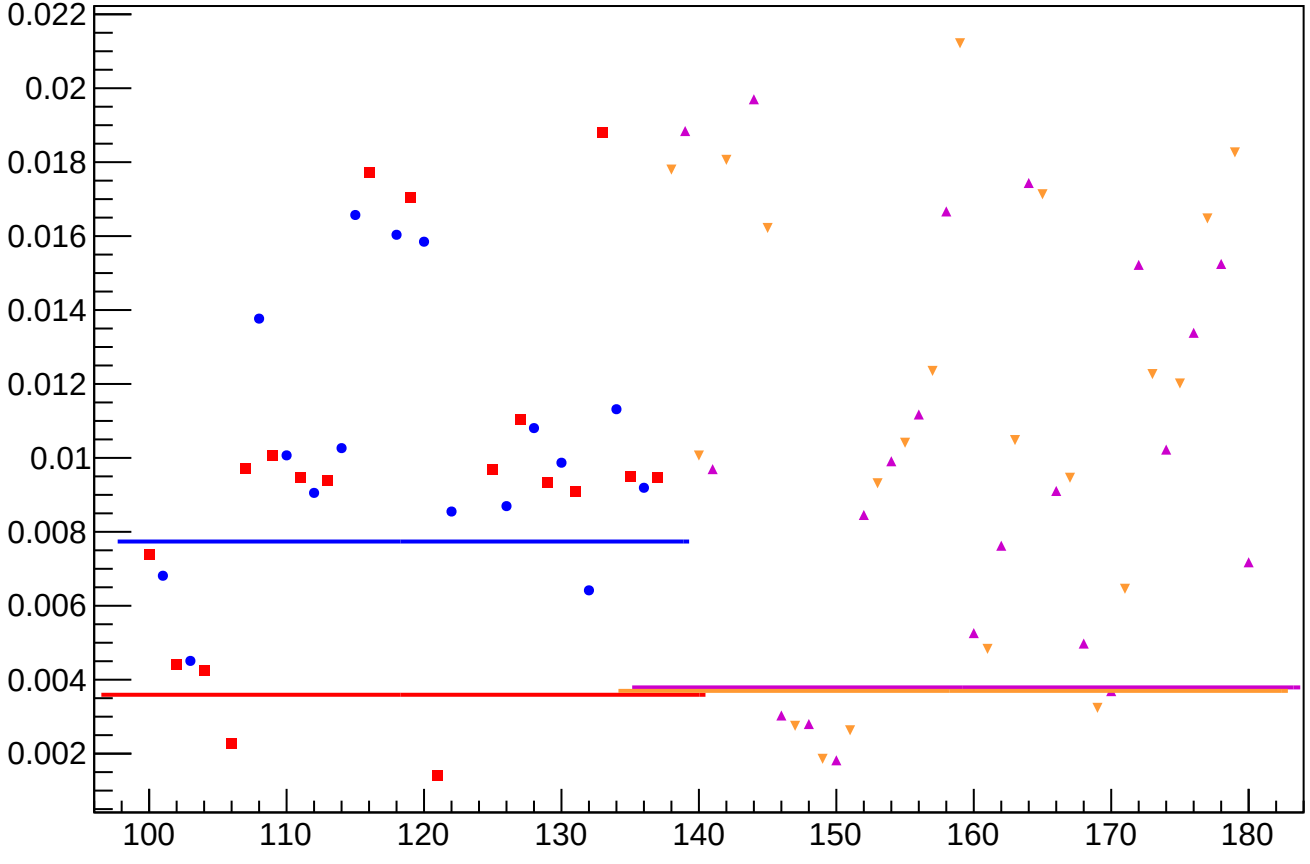
Left In: -0.000+/-0.000 χ^2/NDF:27.0/20

+ sign -0.000+/-0.000 χ^2/NDF: 51.6/36

All: -0.000+/-0.000 χ^2/NDF: 95.2/75

- sign 0.000+/-0.000 χ^2/NDF: 43.1/38

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:14071754.2/20

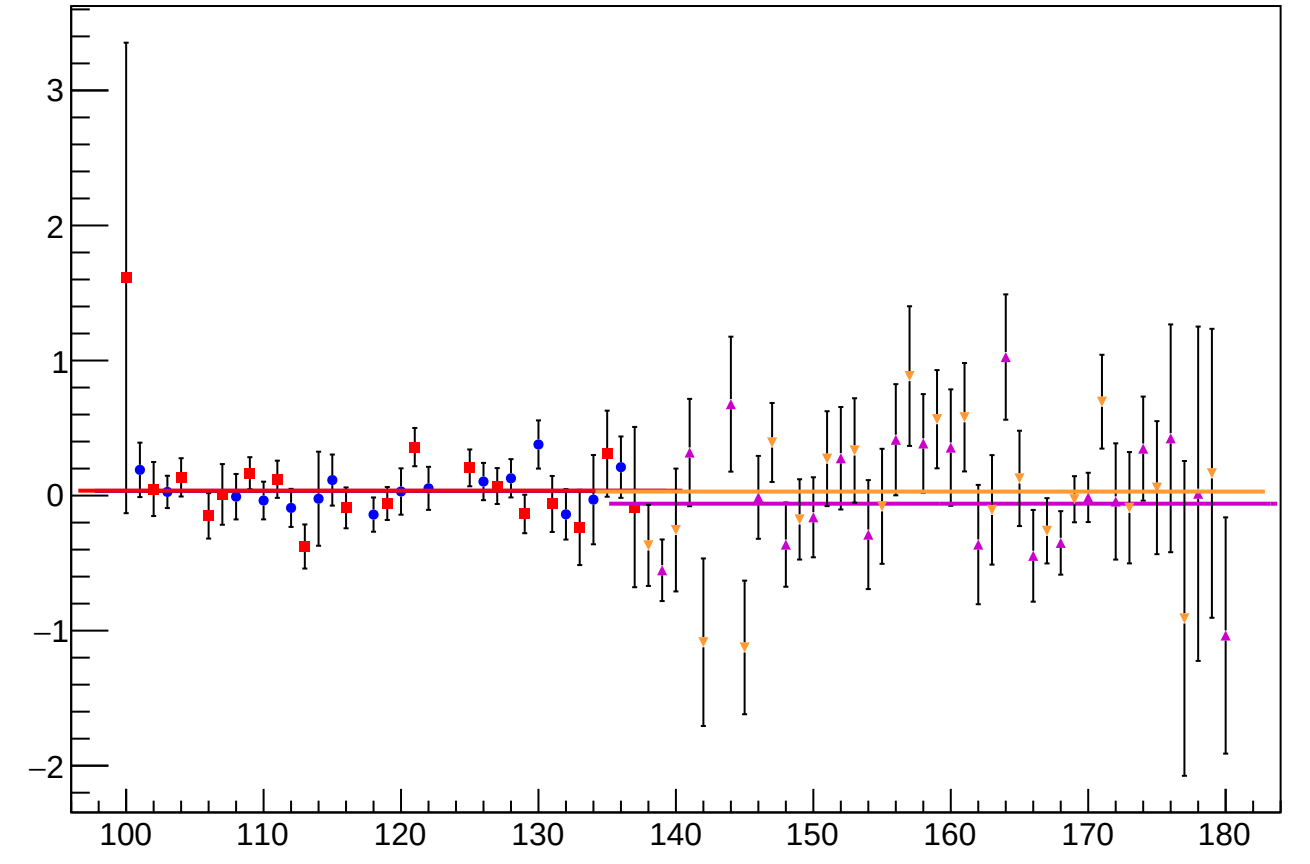
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:13120593.9/20

+ sign 0.004+/-0.000 χ^2/NDF: 18670075.6/36

All: 0.004+/-0.000 χ^2/NDF: 38408896.4/75

- sign 0.004+/-0.000 χ^2/NDF: 19501356.9/38



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.030+/-0.077 χ^2/NDF:27.0/20

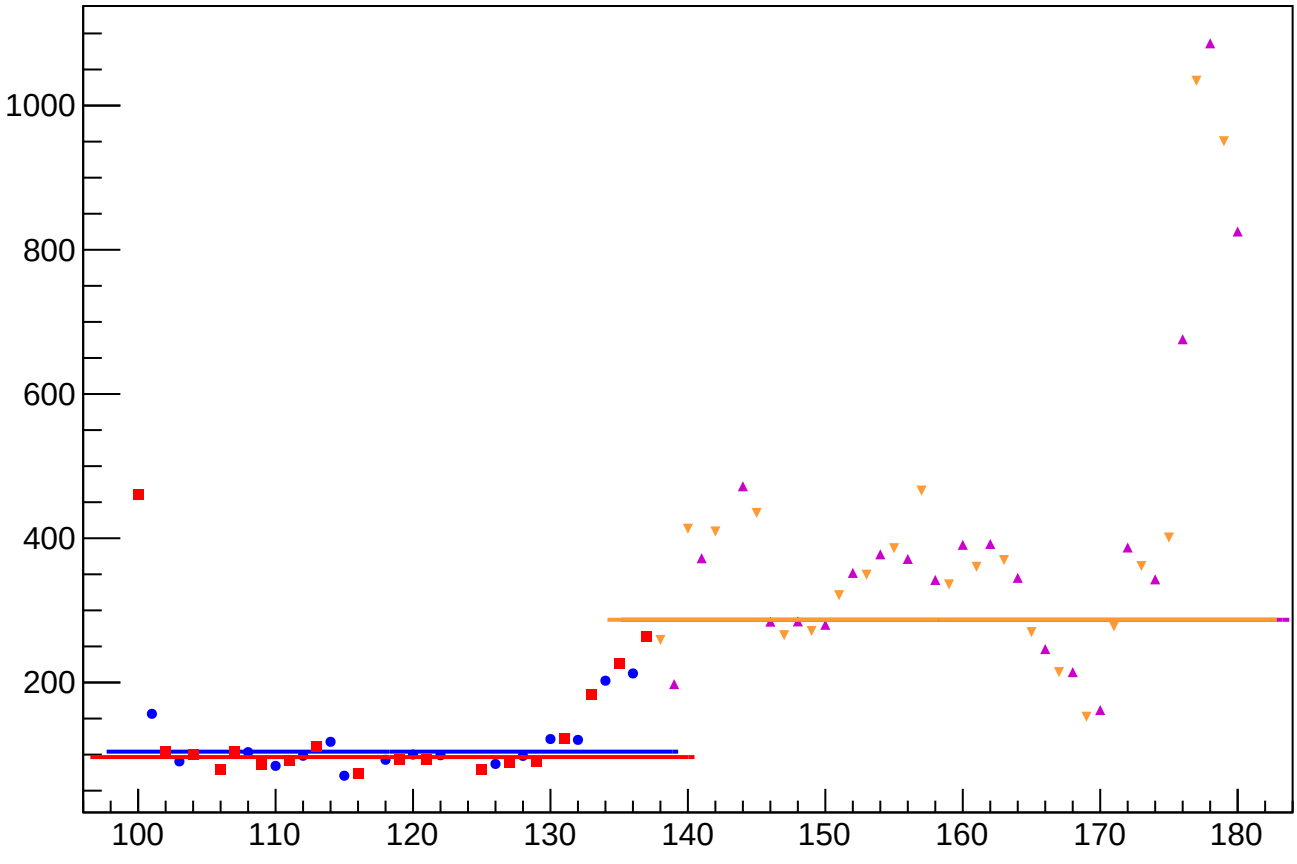
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.060+/-0.075 χ^2/NDF:25.2/20

+ sign 0.034+/-0.036 χ^2/NDF: 36.7/36

All: 0.025+/-0.025 χ^2/NDF: 85.4/75

- 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: 286.994+/-0.054 χ^2/NDF:4242774.0/20

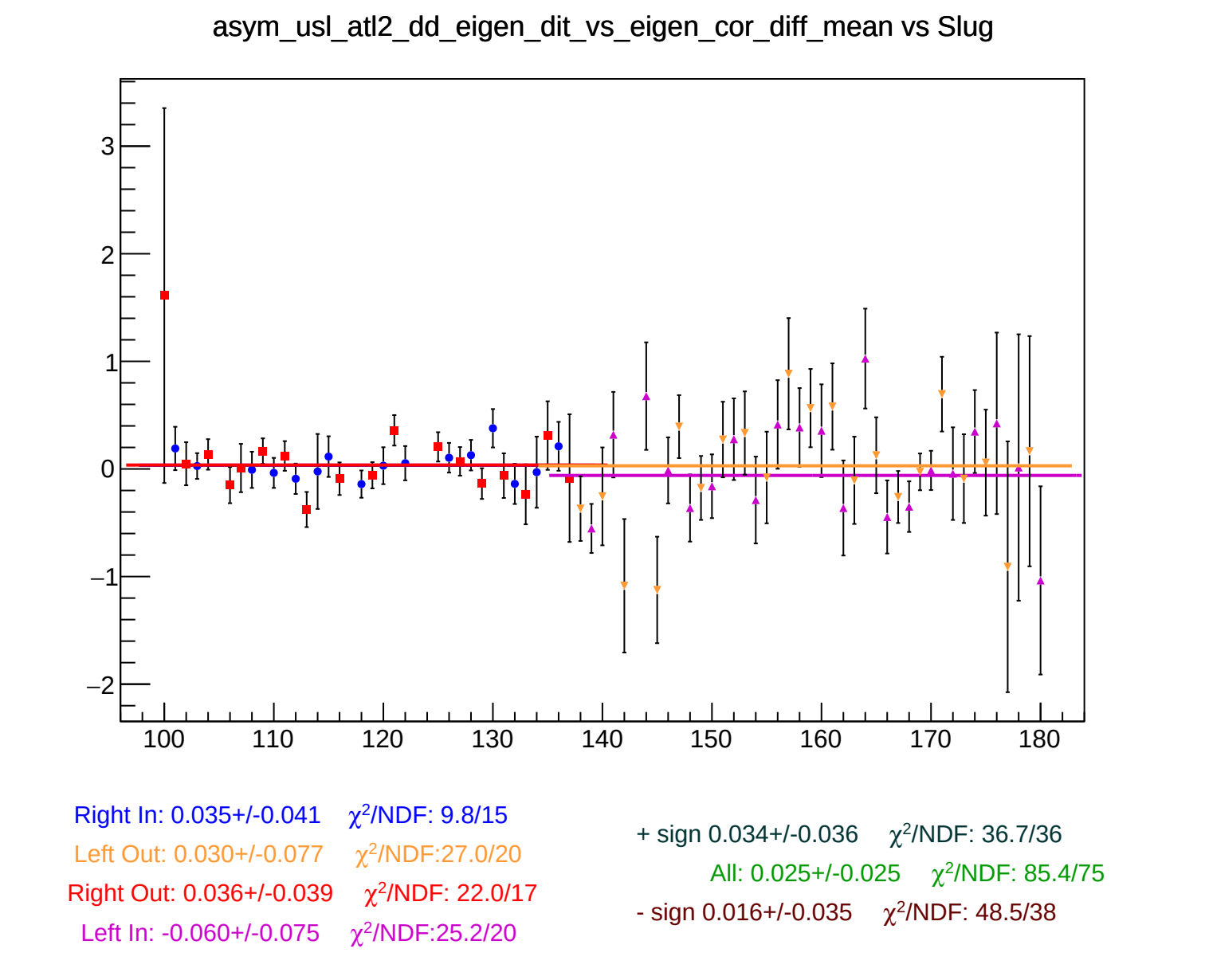
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

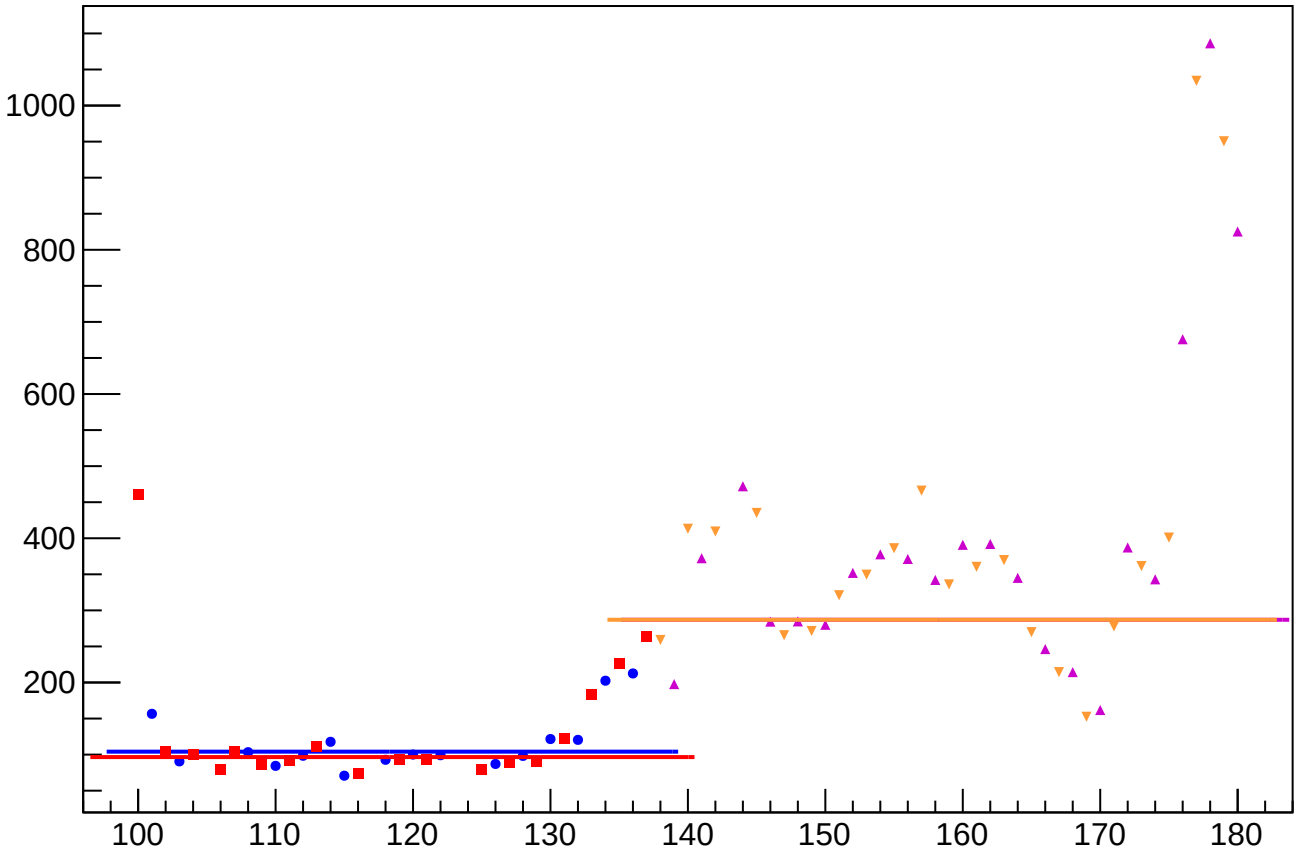
Left In: 286.968+/-0.053 χ^2/NDF:4551984.7/20

+ sign 144.587+/-0.026 χ^2/NDF: 14029309.0/36

All: 140.392+/-0.018 χ^2/NDF: 29653120.5/75

- 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: 0.030+/-0.077 χ²/NDF:27.0/20
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.060+/-0.075 χ²/NDF:25.2/20
+ sign 0.034+/-0.036 χ²/NDF: 36.7/36
All: 0.025+/-0.025 χ²/NDF: 85.4/75
- sign 0.016+/-0.035 χ²/NDF: 48.5/38



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 286.994+/-0.054 χ^2/NDF:4242774.0/20

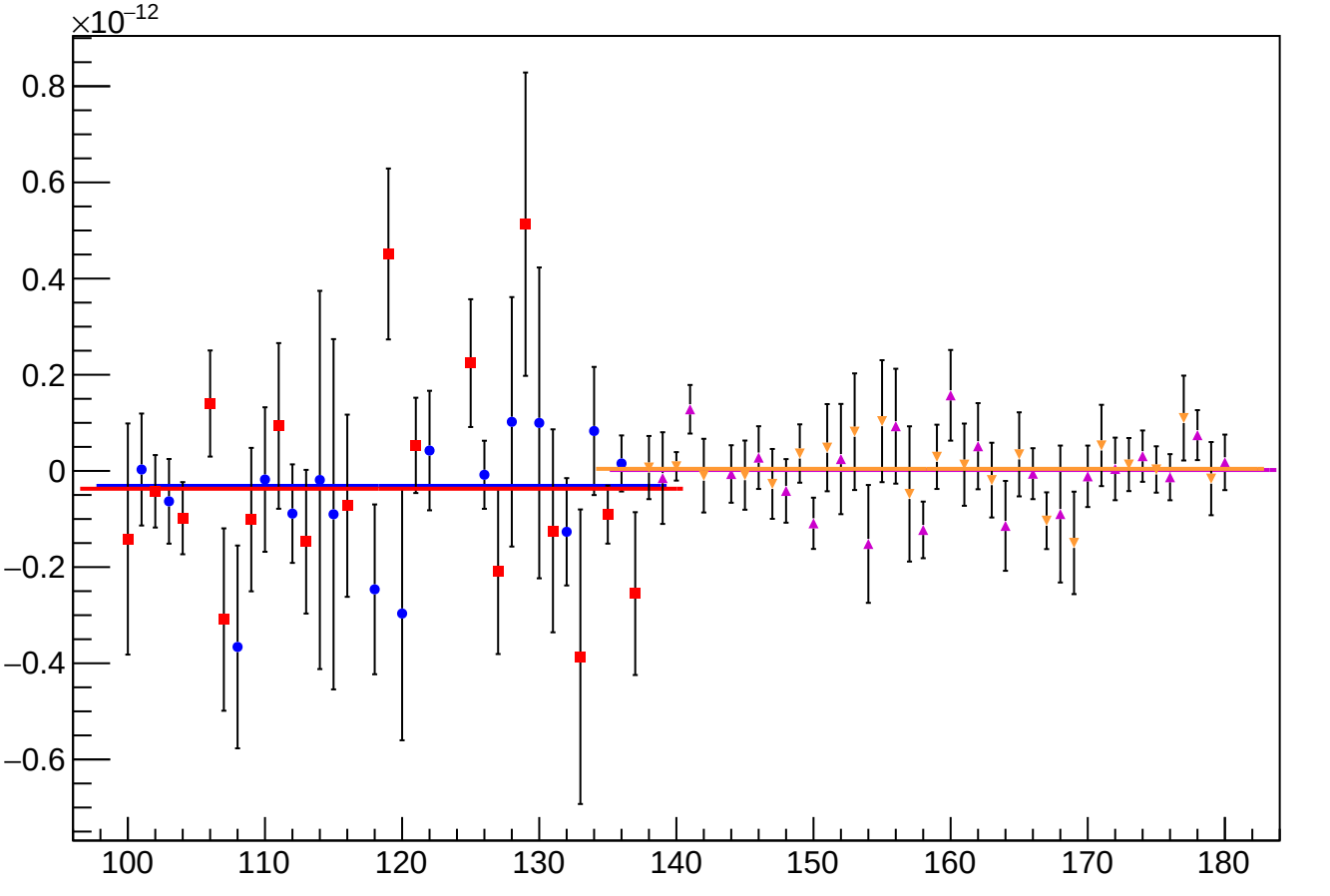
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 286.968+/-0.053 χ^2/NDF:4551984.7/20

+ sign 144.587+/-0.026 χ^2/NDF: 14029309.0/36

All: 140.392+/-0.018 χ^2/NDF: 29653120.5/75

- 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:9.6/20

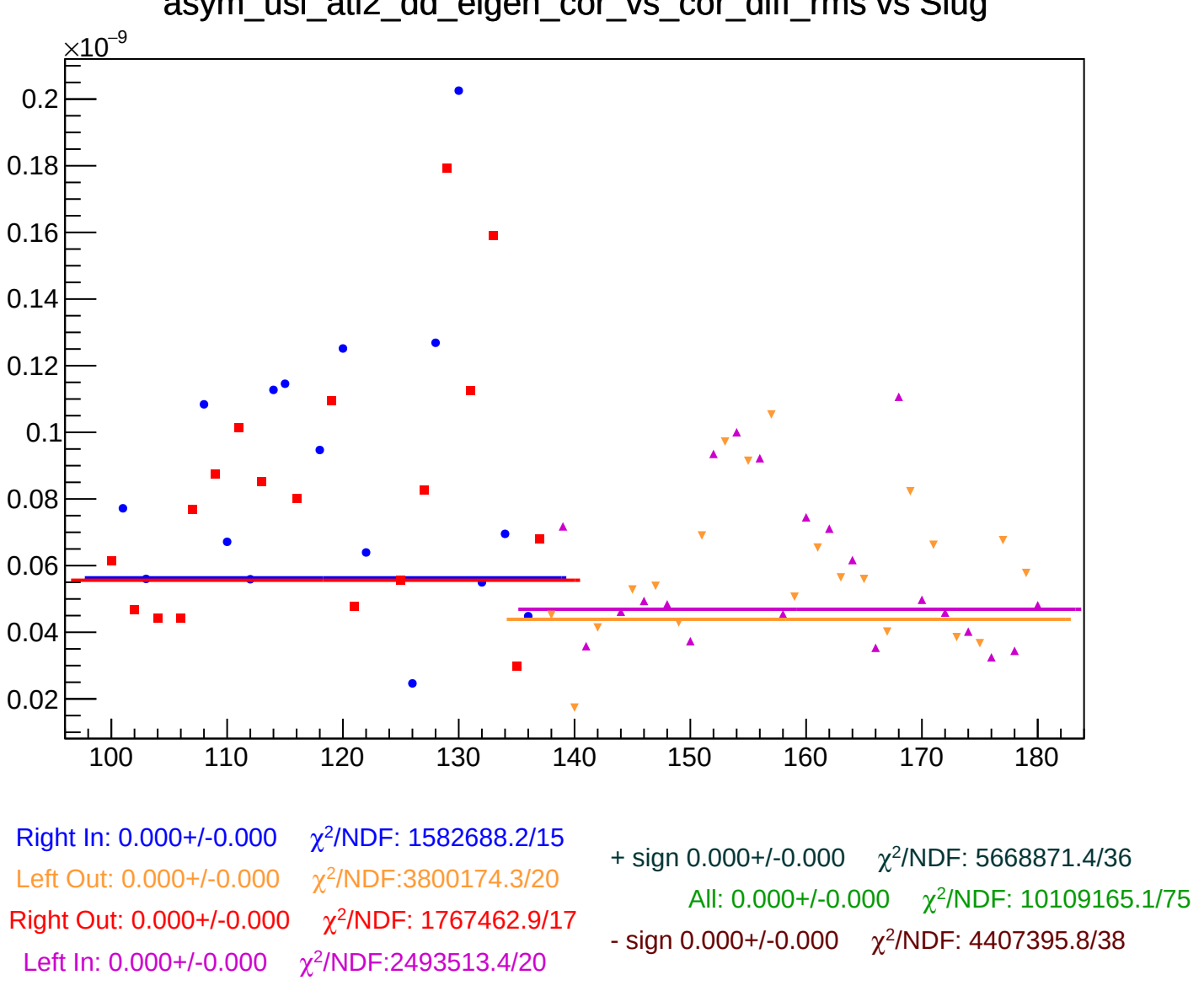
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:25.4/20

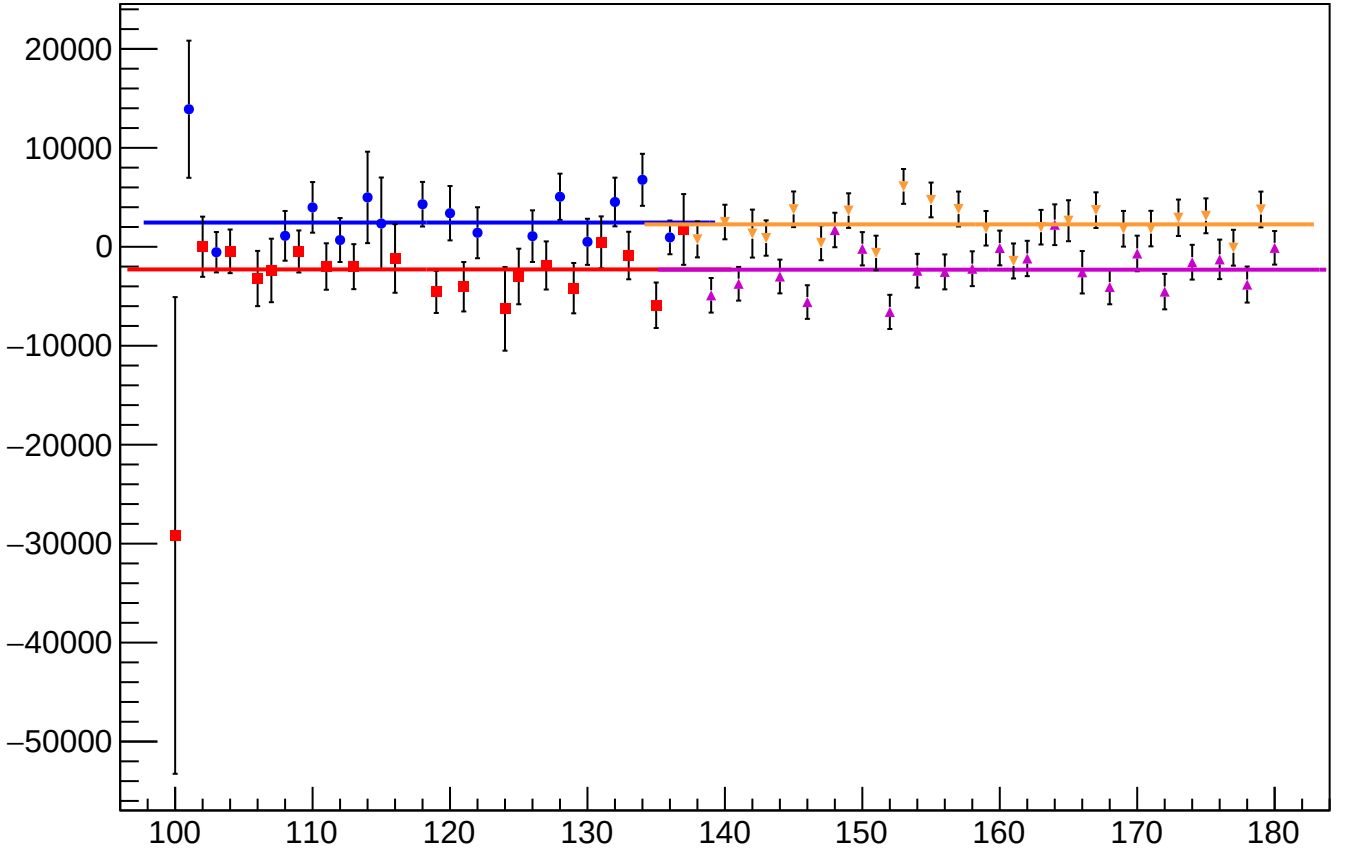
+ sign -0.000+/-0.000 χ^2/NDF: 19.4/36

All: -0.000+/-0.000 χ^2/NDF: 73.3/75

- 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:3800174.3/20
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: 5668871.4/36
All: 0.000+/-0.000 χ²/NDF: 10109165.1/75
- 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: 2266.221+/-385.477 χ^2/NDF:22.2/21

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

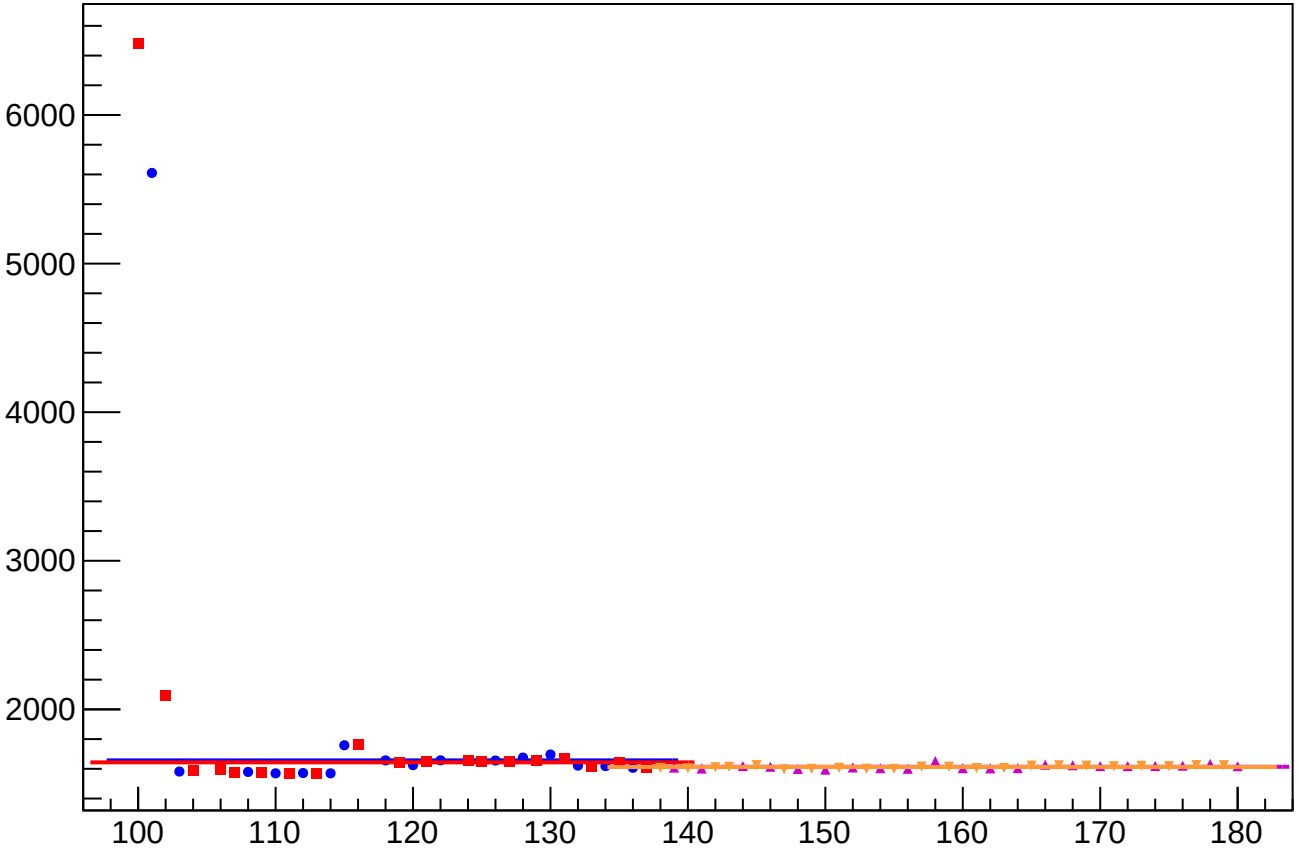
Left In: -2313.042+/-388.448 χ^2/NDF:32.8/20

+ sign 2316.244+/-328.843 χ^2/NDF: 36.1/37

All: -3.868+/-232.059 χ^2/NDF: 179.8/77

- 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: 1612.131+/-0.273 χ^2/NDF:1137.9/21

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

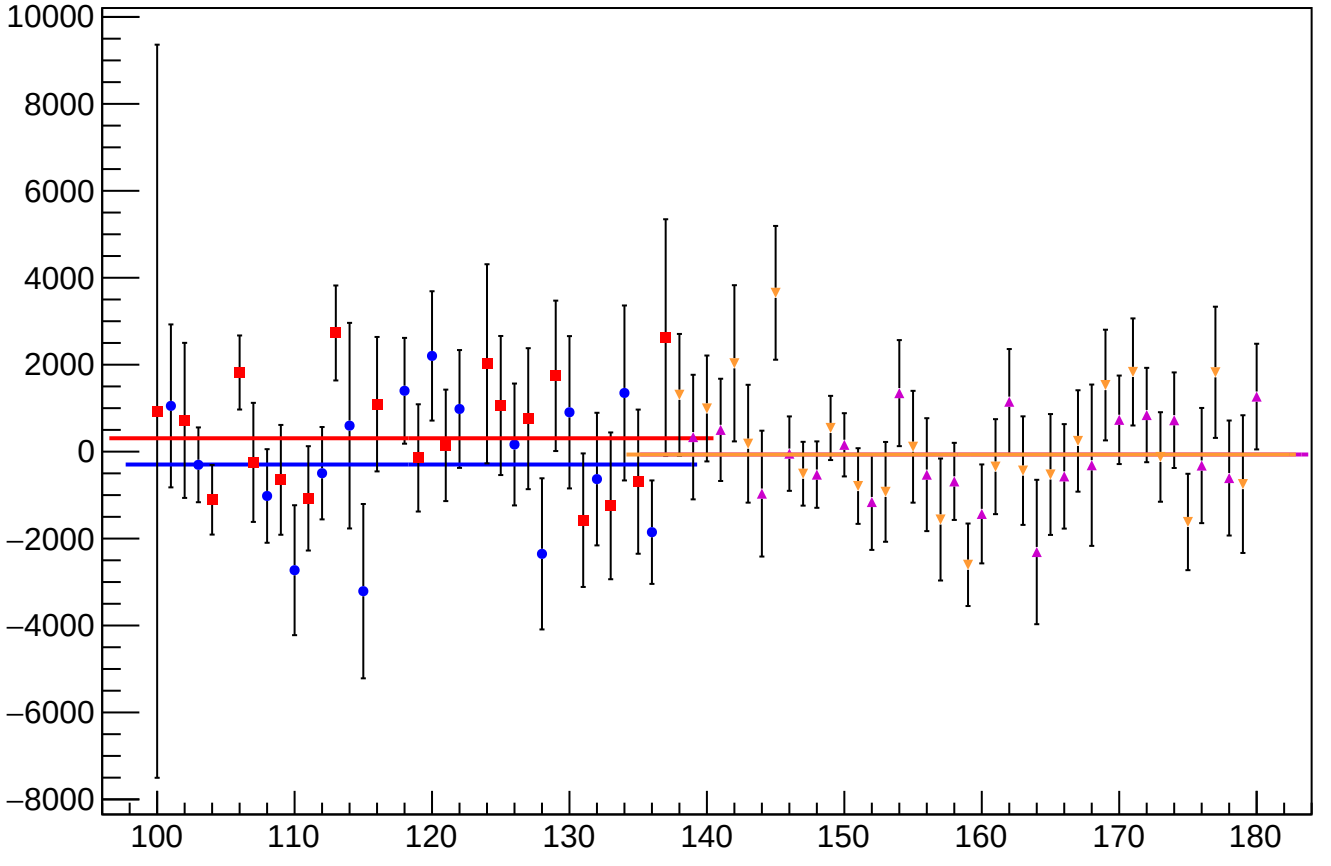
Left In: 1613.554+/-0.275 χ^2/NDF:2341.4/20

\+ sign 1624.260+/-0.233 χ^2/NDF: 674637.7/37

All: 1623.221+/-0.164 χ^2/NDF: 817436.8/77

\- 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: -66.657+/-242.146 χ^2/NDF:27.6/21

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

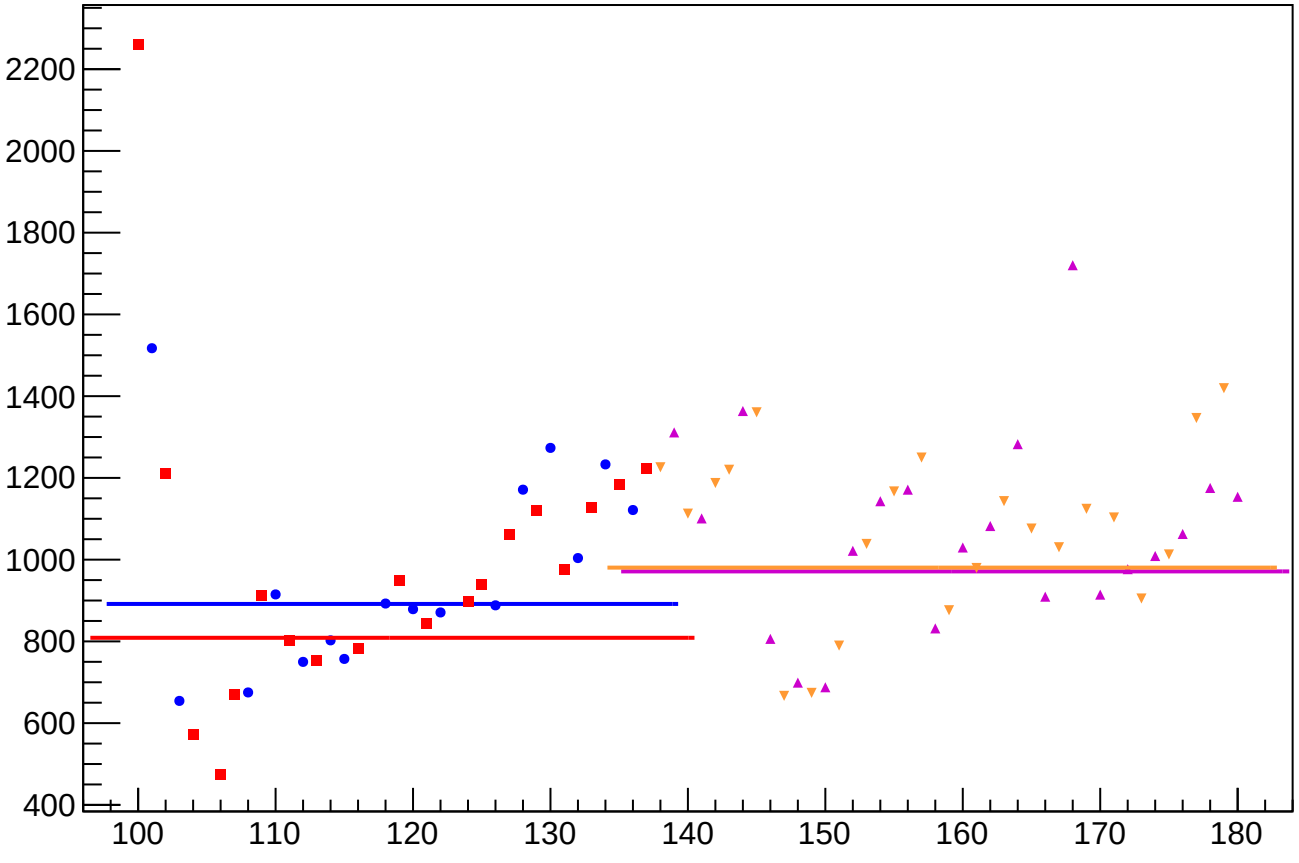
Left In: -66.011+/-240.621 χ^2/NDF:11.8/20

+ sign -142.960+/-197.901 χ^2/NDF: 43.8/37

All: -31.112+/-137.343 χ^2/NDF: 75.8/77

- 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: 980.514+/-0.171 χ^2/NDF:1623086.5/21

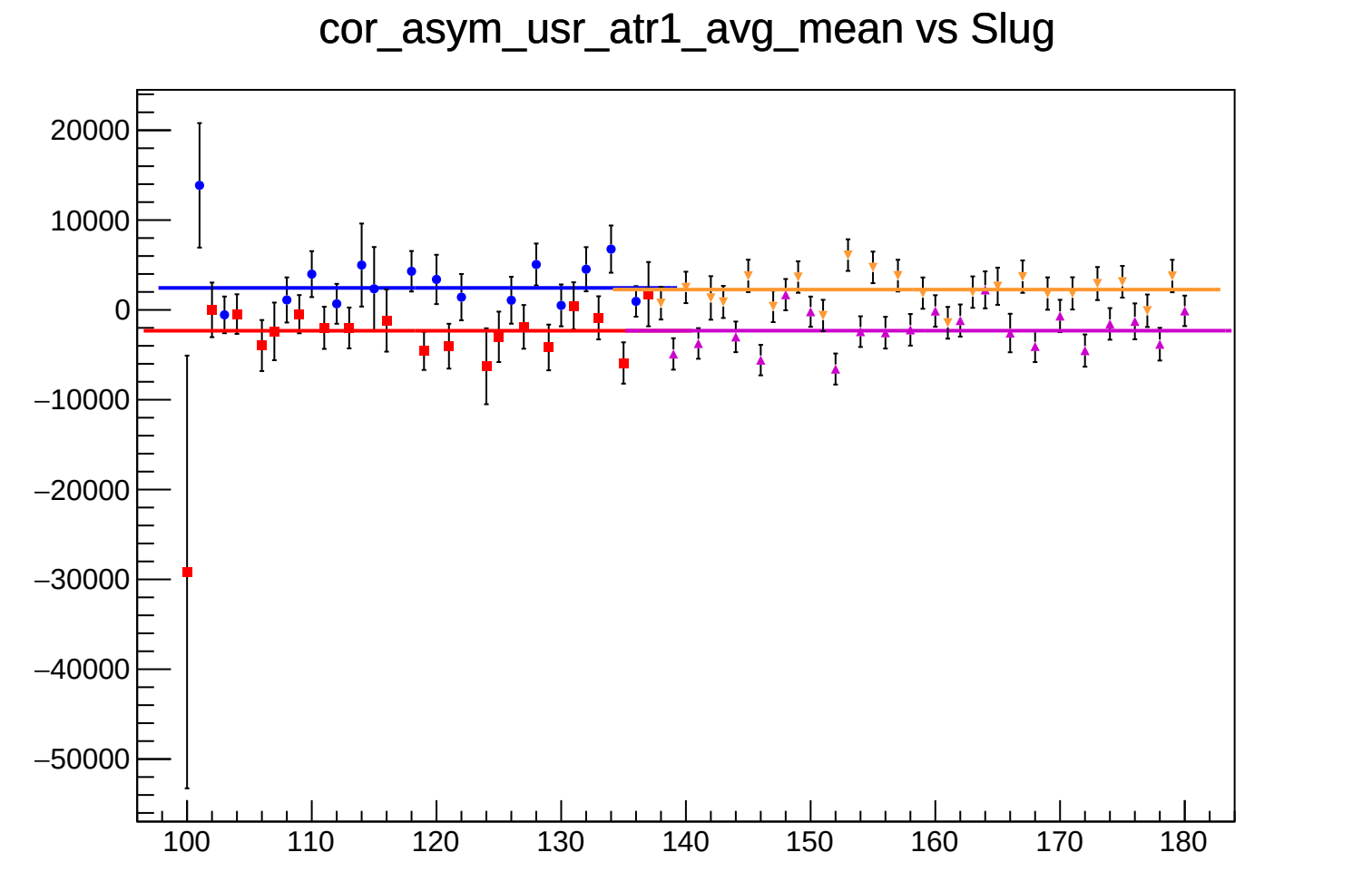
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 971.233+/-0.170 χ^2/NDF:1590694.9/20

+ sign 951.001+/-0.140 χ^2/NDF: 2506459.0/37

All: 930.211+/-0.097 χ^2/NDF: 5562122.4/77

- 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: 2266.200+/-385.477 χ^2/NDF:22.2/21

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

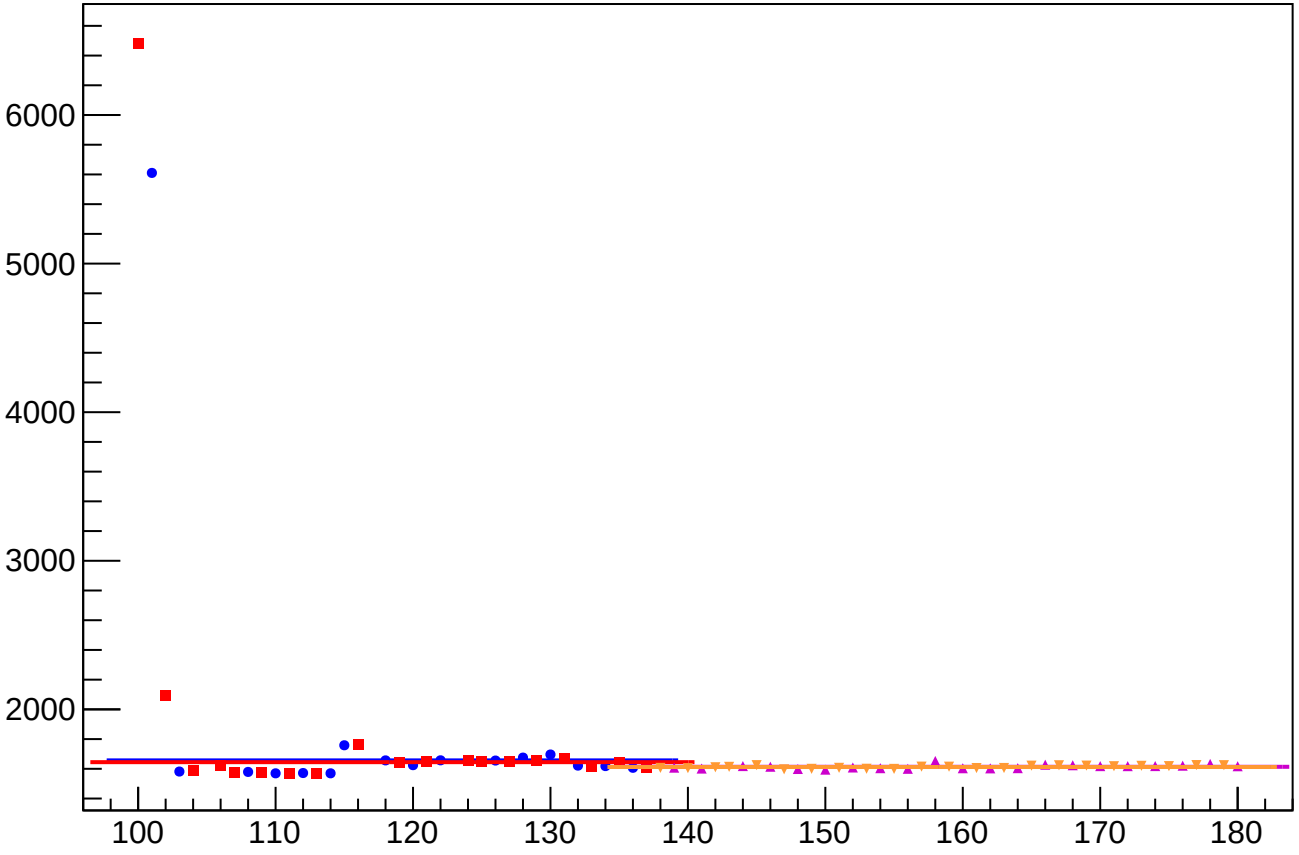
Left In: -2313.093+/-388.448 χ^2/NDF:32.8/20

+ sign 2316.076+/-328.843 χ^2/NDF: 36.0/37

All: -8.354+/-232.087 χ^2/NDF: 180.5/77

- 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: 1612.131+/-0.273 χ^2/NDF:1137.9/21

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

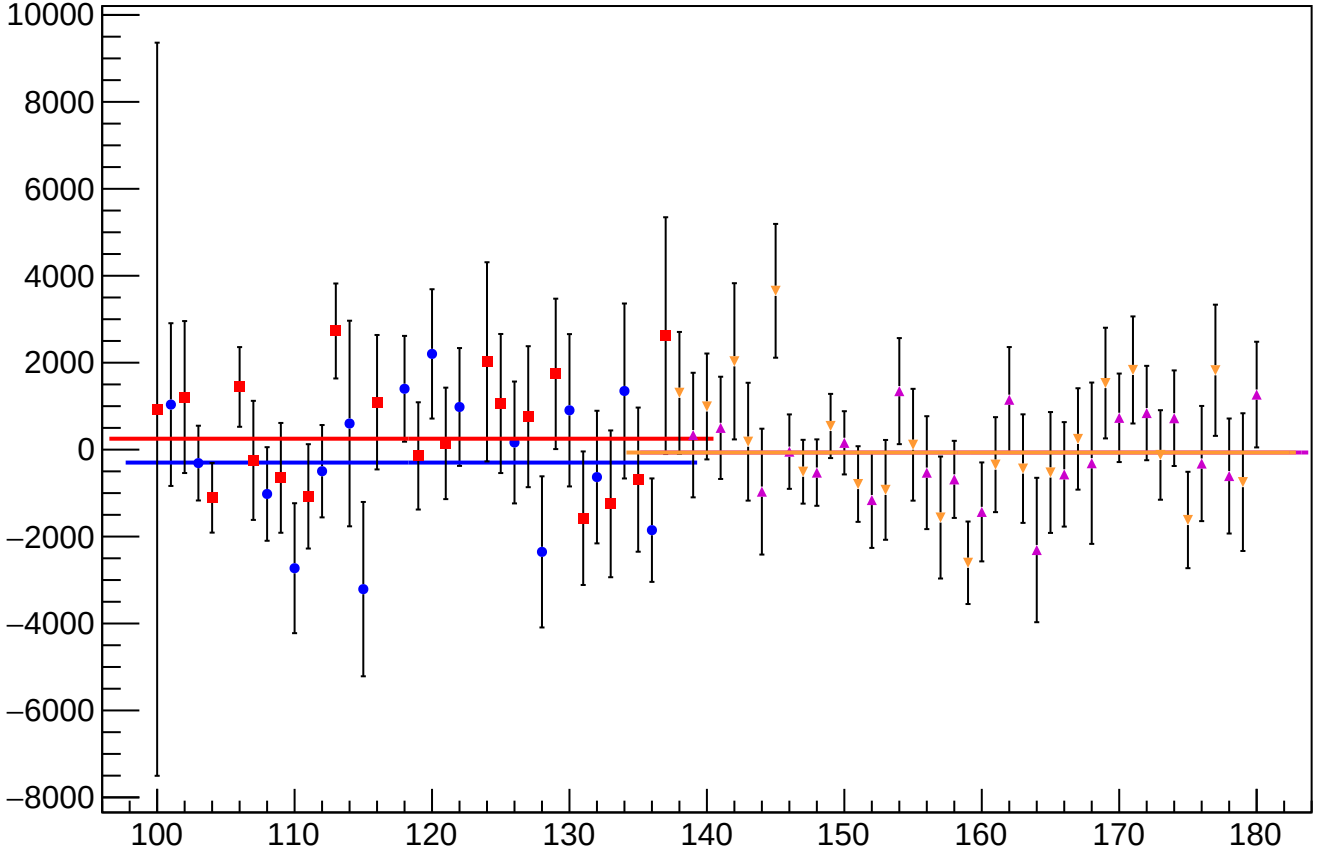
Left In: 1613.554+/-0.275 χ^2/NDF:2341.4/20

+ sign 1624.260+/-0.233 χ^2/NDF: 674637.2/37

All: 1623.405+/-0.164 χ^2/NDF: 817209.1/77

- 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: -66.711+/-242.144 χ^2/NDF:27.6/21

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

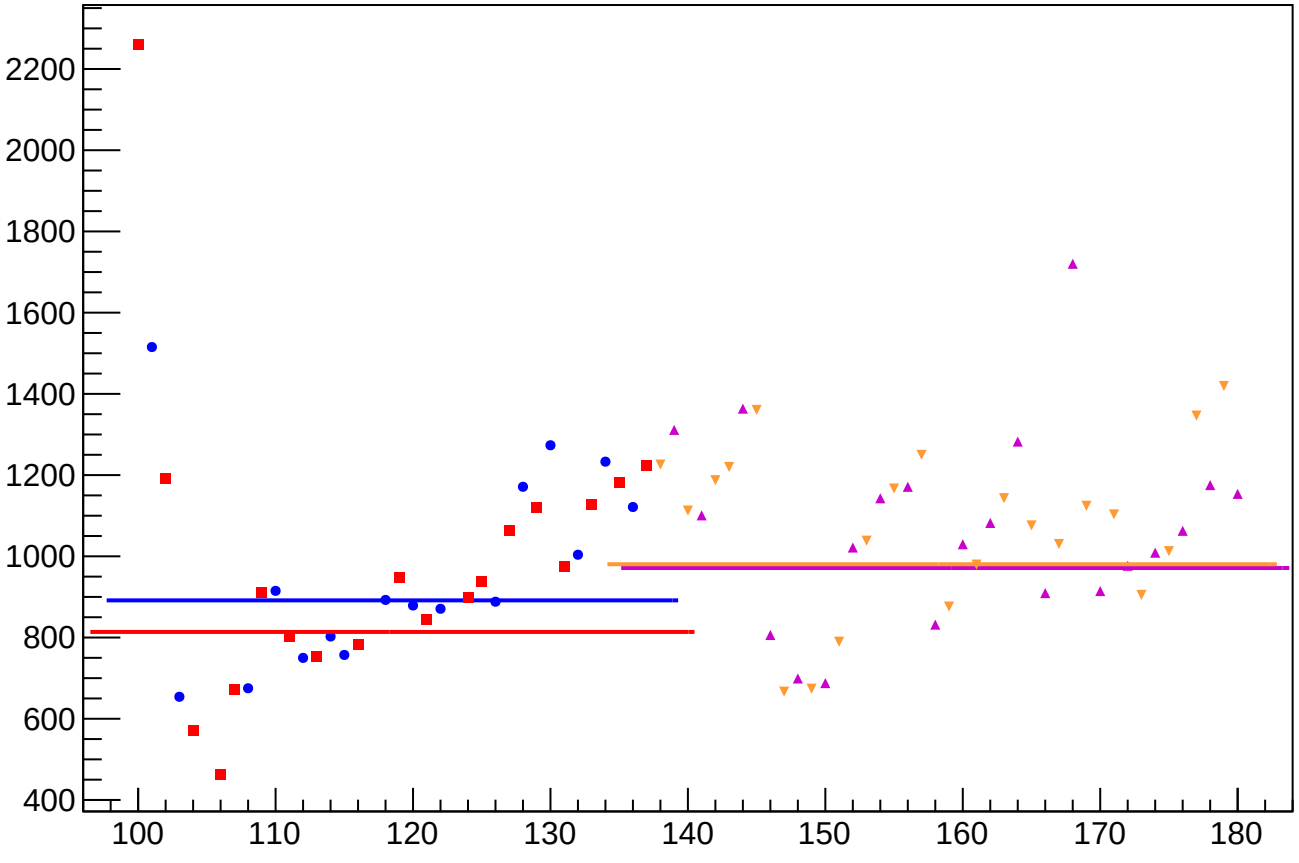
Left In: -66.031+/-240.622 χ^2/NDF:11.8/20

+ sign -143.456+/-197.892 χ^2/NDF: 43.8/37

All: -43.222+/-137.572 χ^2/NDF: 74.0/77

- 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: 980.506+/-0.171 χ^2/NDF:1623205.0/21

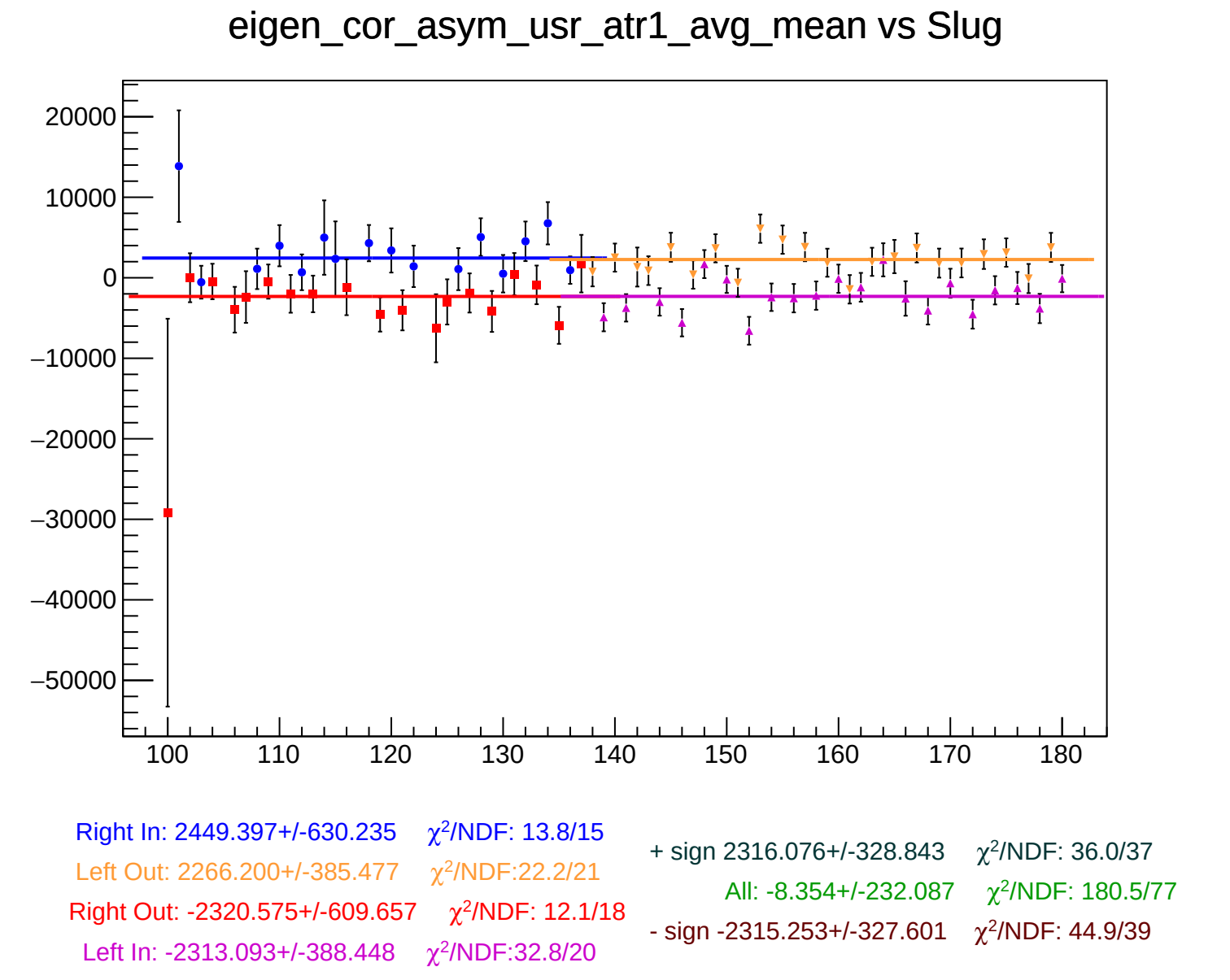
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 971.239+/-0.170 χ^2/NDF:1590655.2/20

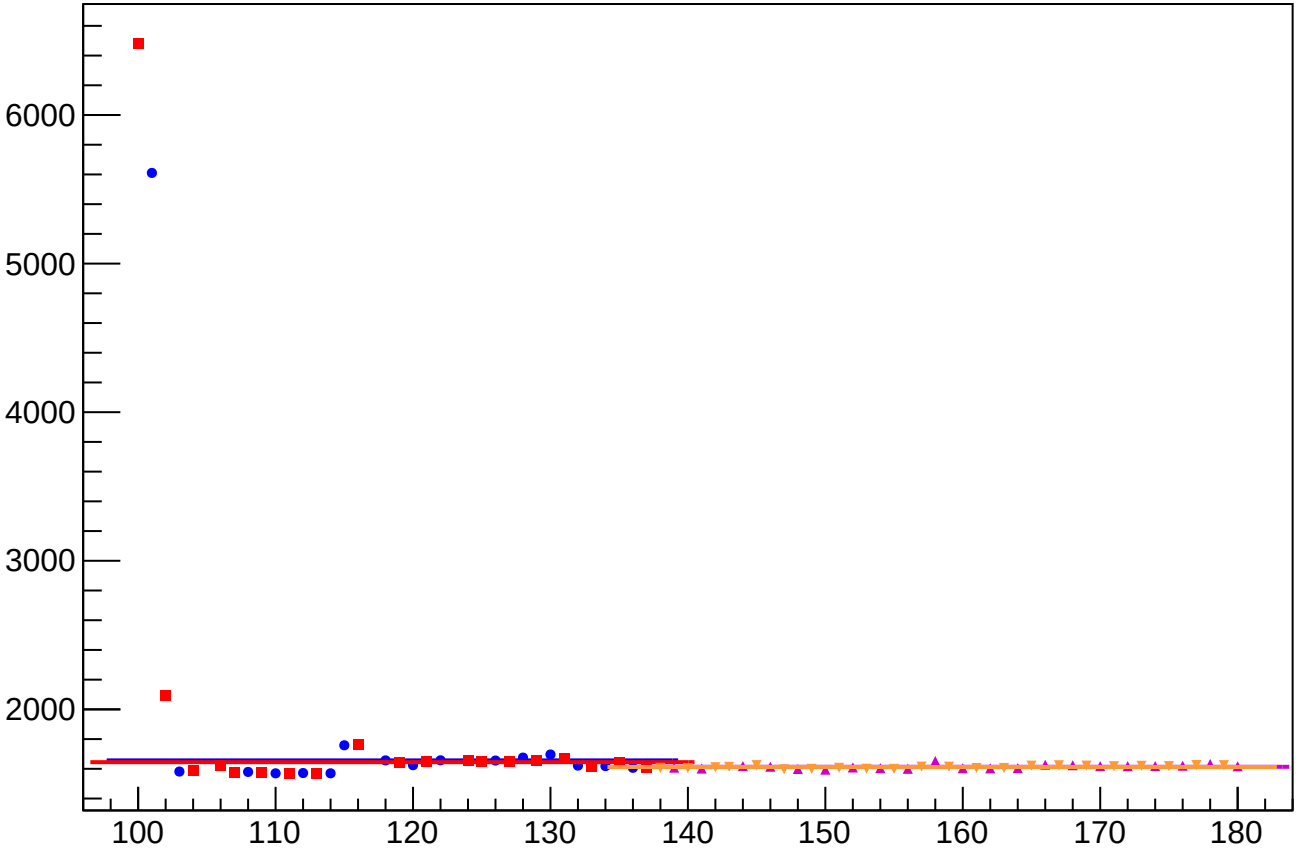
+ sign 950.957+/-0.140 χ^2/NDF: 2506538.2/37

All: 931.551+/-0.097 χ^2/NDF: 5501942.6/77

- 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: 2266.200+/-385.477 χ²/NDF:22.2/21
Right Out: -2320.575+/-609.657 χ²/NDF: 12.1/18
Left In: -2313.093+/-388.448 χ²/NDF:32.8/20
+ sign 2316.076+/-328.843 χ²/NDF: 36.0/37
All: -8.354+/-232.087 χ²/NDF: 180.5/77
- 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: 1612.131+/-0.273 χ^2/NDF:1137.9/21

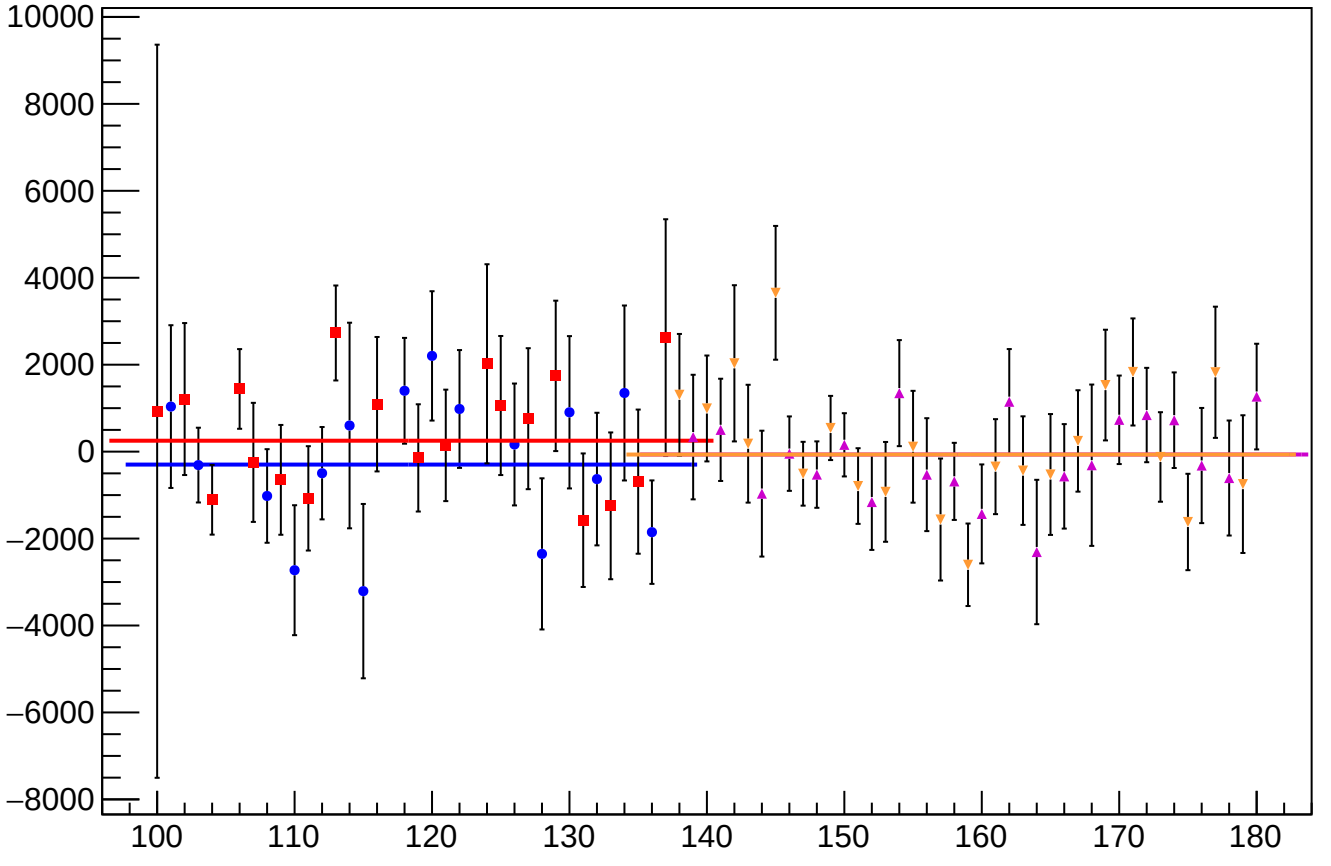
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.554+/-0.275 χ^2/NDF:2341.4/20

+ sign 1624.260+/-0.233 χ^2/NDF: 674637.2/37

All: 1623.405+/-0.164 χ^2/NDF: 817209.1/77

- 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: -66.711+/-242.144 χ^2/NDF:27.6/21

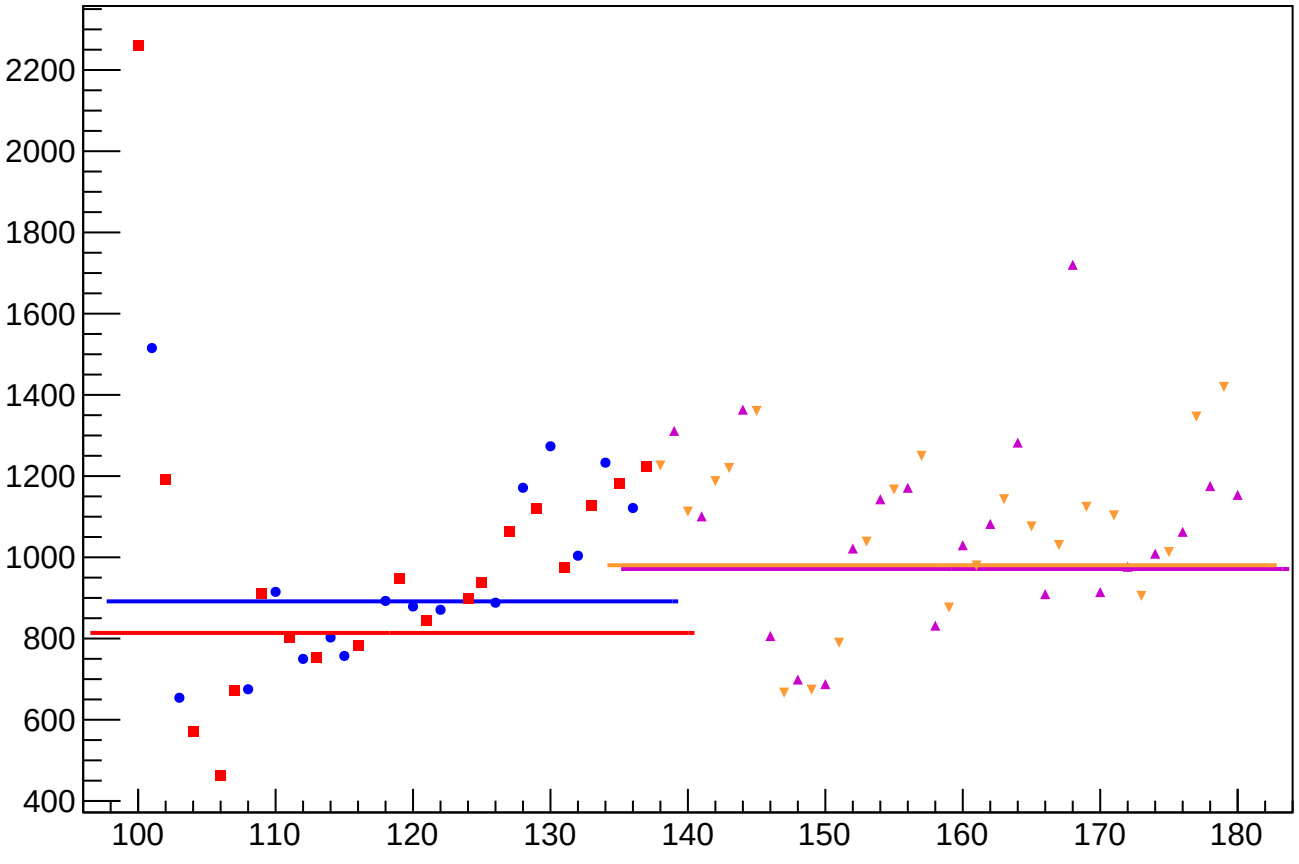
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -66.031+/-240.622 χ^2/NDF:11.8/20

+ sign -143.456+/-197.892 χ^2/NDF: 43.8/37

All: -43.222+/-137.572 χ^2/NDF: 74.0/77

- 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: 980.506+/-0.171 χ^2/NDF:1623205.0/21

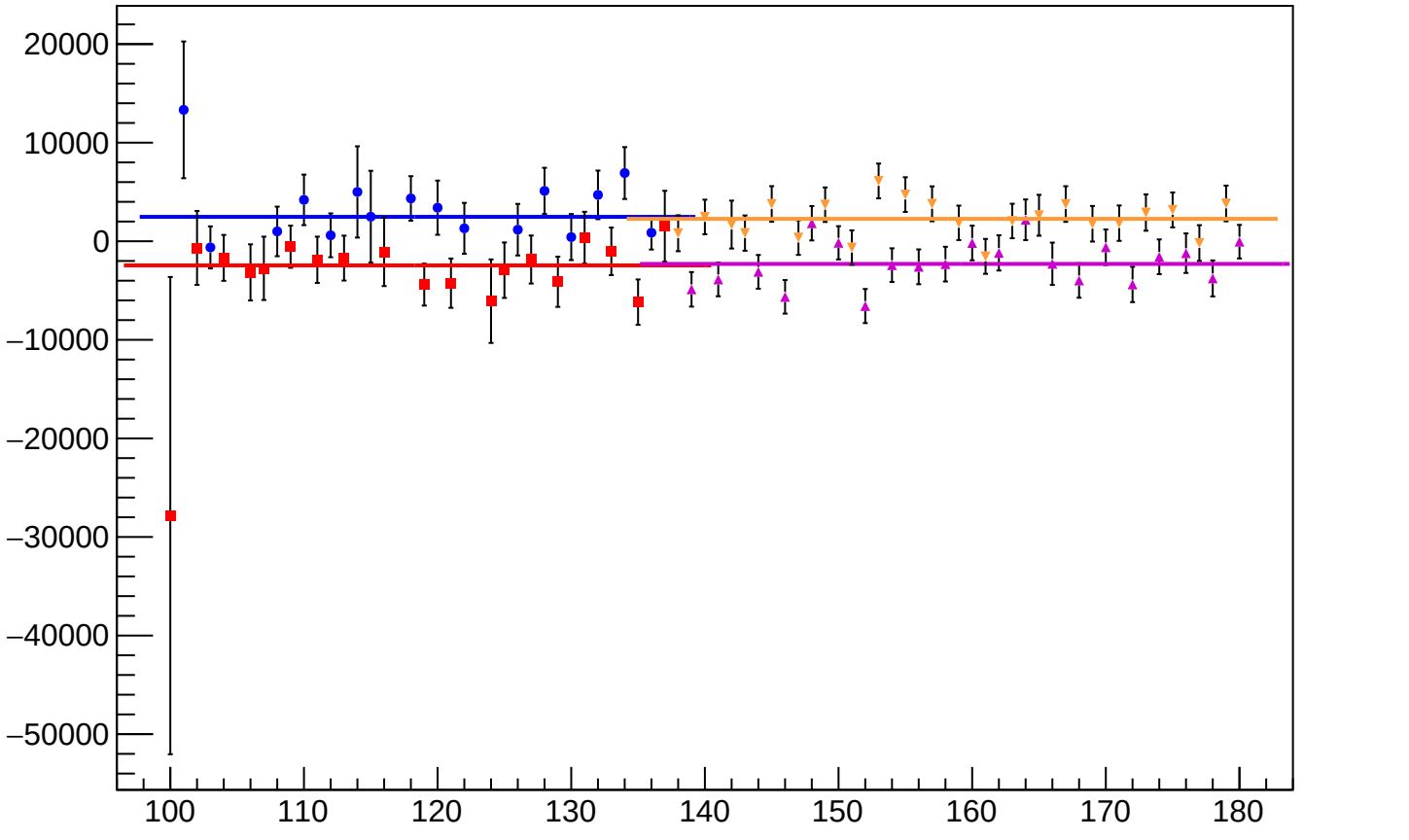
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 971.239+/-0.170 χ^2/NDF:1590655.2/20

+ sign 950.957+/-0.140 χ^2/NDF: 2506538.2/37

All: 931.551+/-0.097 χ^2/NDF: 5501942.6/77

- 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: 2272.956+/-386.109 χ^2/NDF:22.7/21

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

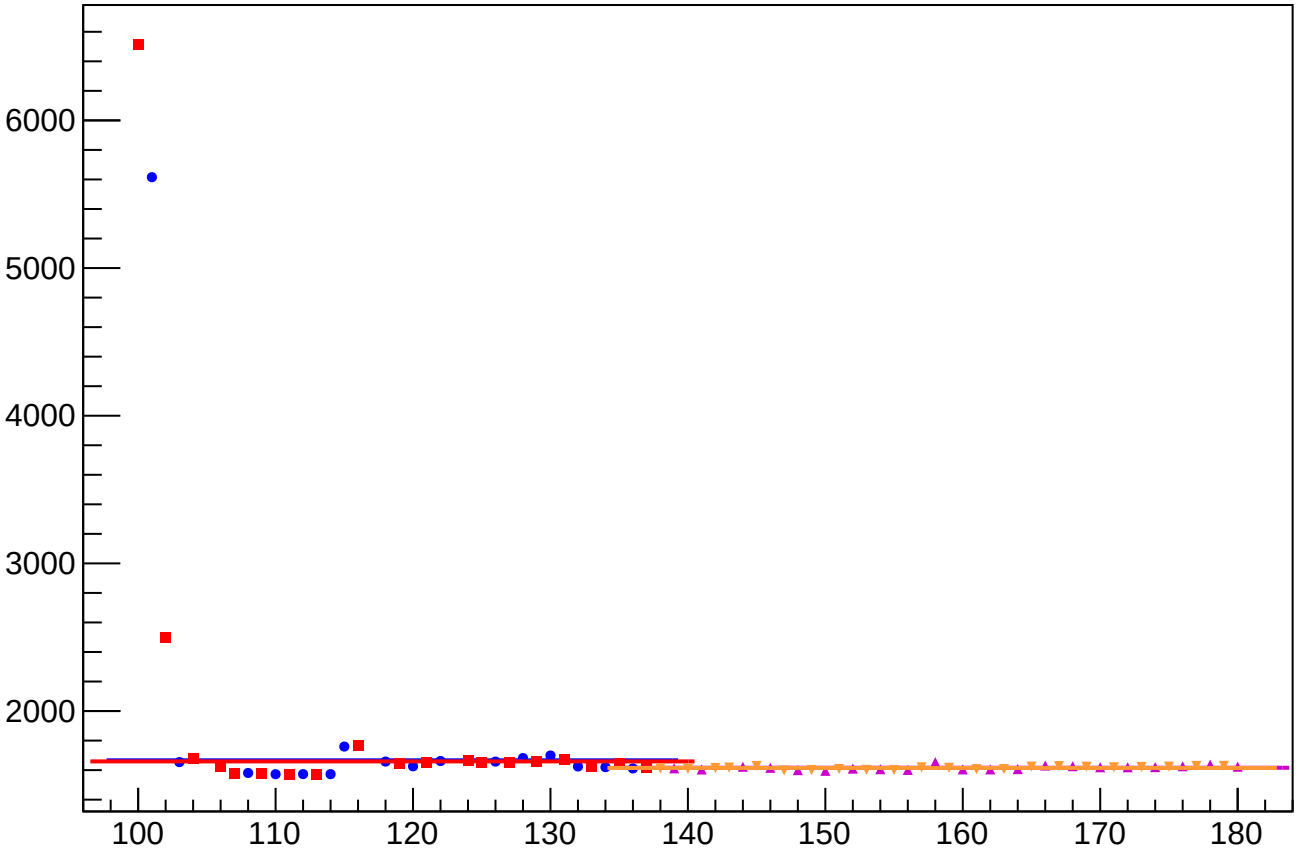
Left In: -2300.194+/-389.039 χ^2/NDF:33.0/20

+ sign 2327.697+/-329.750 χ^2/NDF: 36.9/37

All: -11.545+/-232.961 χ^2/NDF: 181.0/77

- 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: 1614.765+/-0.273 χ^2/NDF:1313.1/21

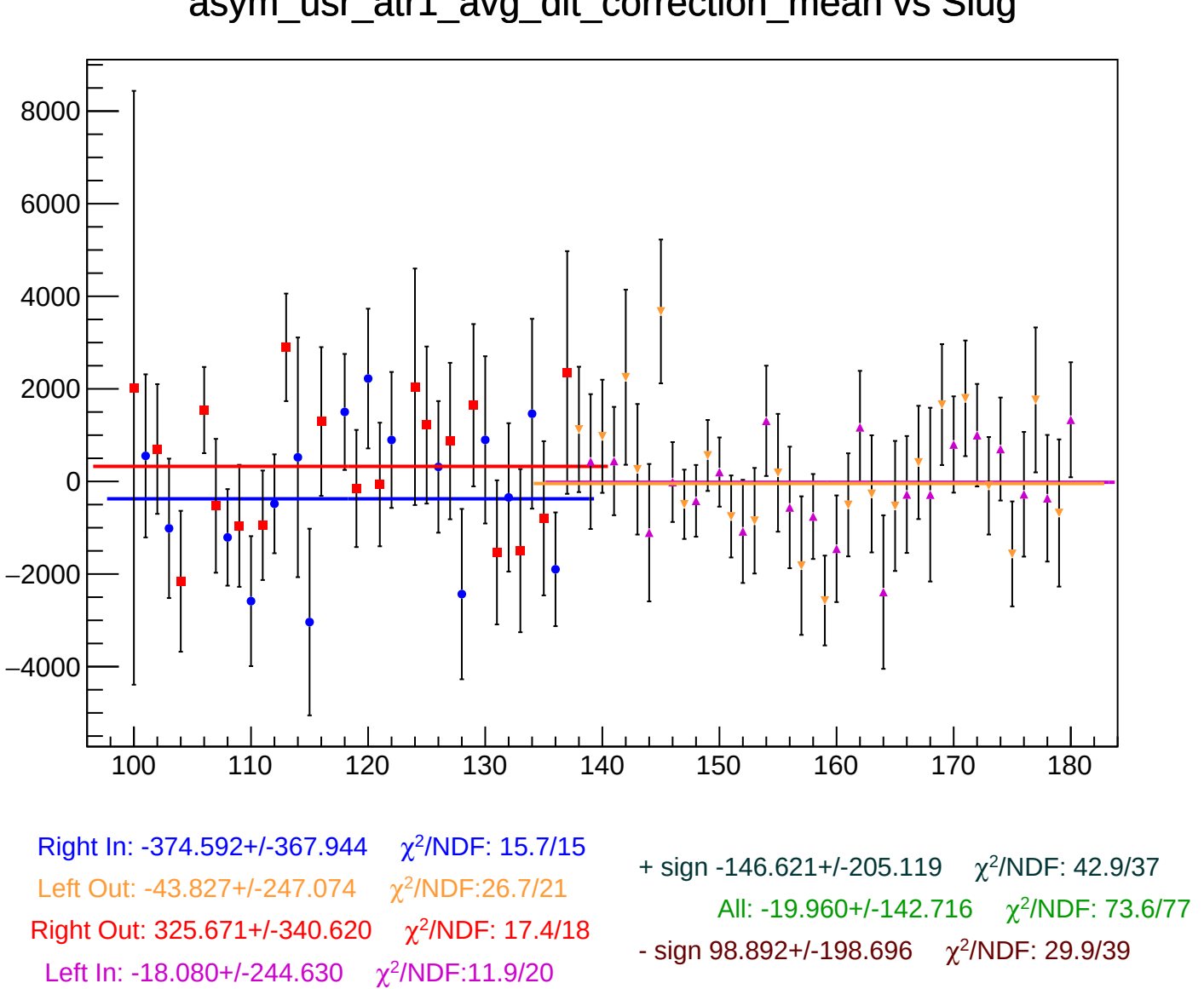
Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1615.997+/-0.275 χ^2/NDF:2525.1/20

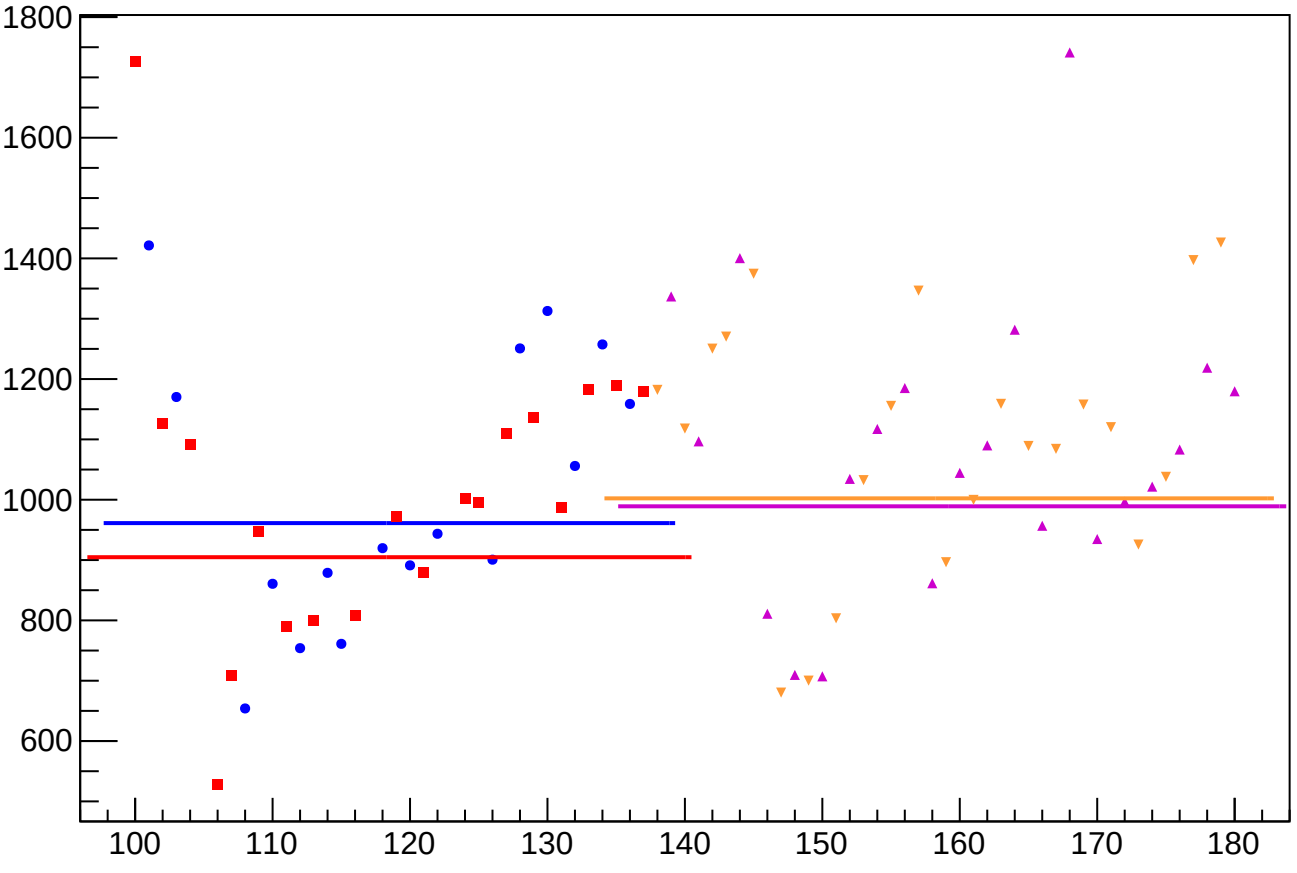
+ sign 1628.739+/-0.233 χ^2/NDF: 673907.3/37

All: 1628.477+/-0.165 χ^2/NDF: 876603.0/77

- 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: -43.827+/-247.074 χ²/NDF:26.7/21
Right Out: 325.671+/-340.620 χ²/NDF: 17.4/18
Left In: -18.080+/-244.630 χ²/NDF:11.9/20
+ sign -146.621+/-205.119 χ²/NDF: 42.9/37
All: -19.960+/-142.716 χ²/NDF: 73.6/77
- 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: 1002.252+/-0.175 χ^2/NDF:1591637.6/21

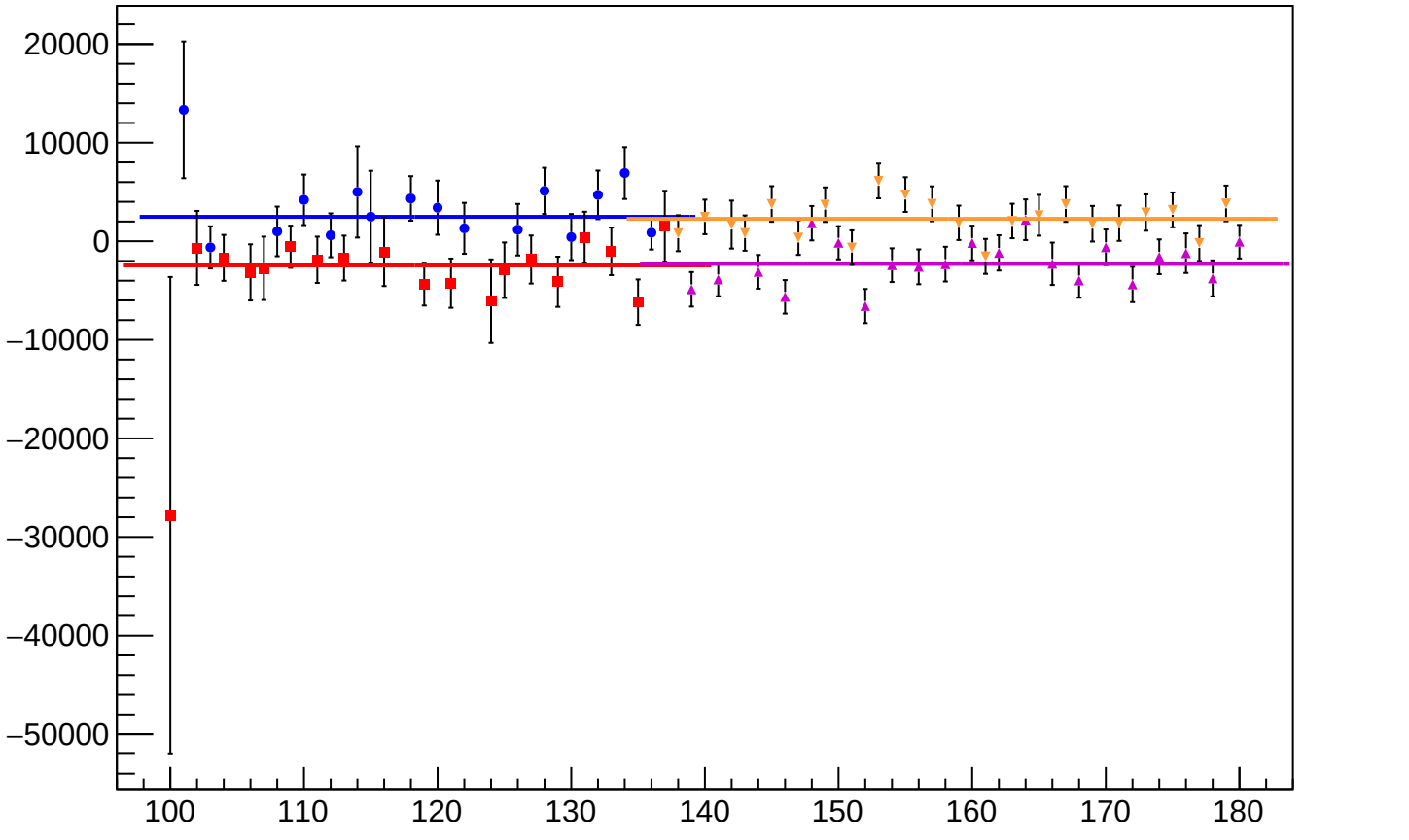
Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 989.073+/-0.173 χ^2/NDF:1547340.5/20

+ sign 989.507+/-0.145 χ^2/NDF: 2300636.6/37

All: 974.478+/-0.101 χ^2/NDF: 4686162.7/77

- 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: 2272.956+/-386.109 χ^2/NDF:22.7/21

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

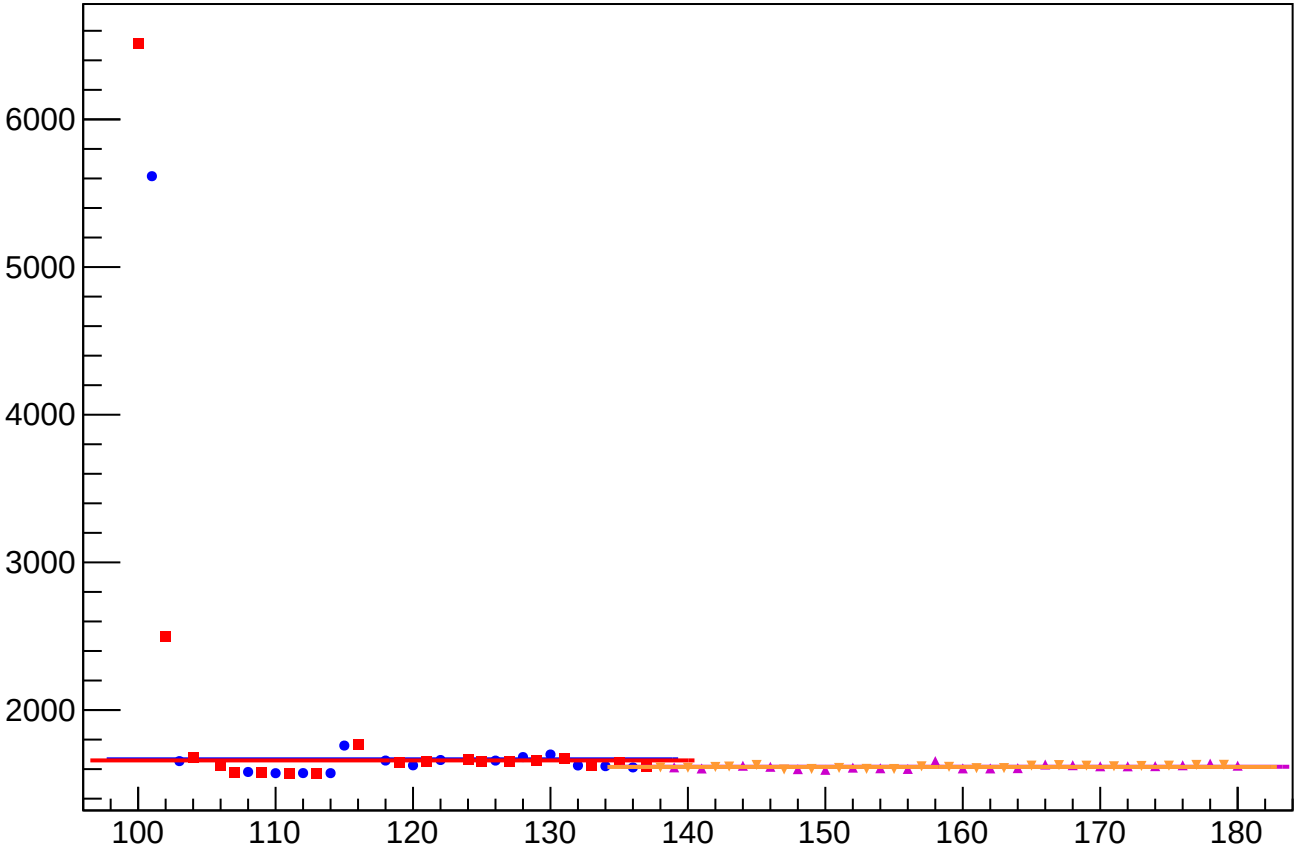
Left In: -2300.195+/-389.039 χ^2/NDF:33.0/20

+ sign 2327.697+/-329.750 χ^2/NDF: 36.9/37

All: -11.545+/-232.961 χ^2/NDF: 181.0/77

- 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: 1614.765+/-0.273 χ^2/NDF:1313.1/21

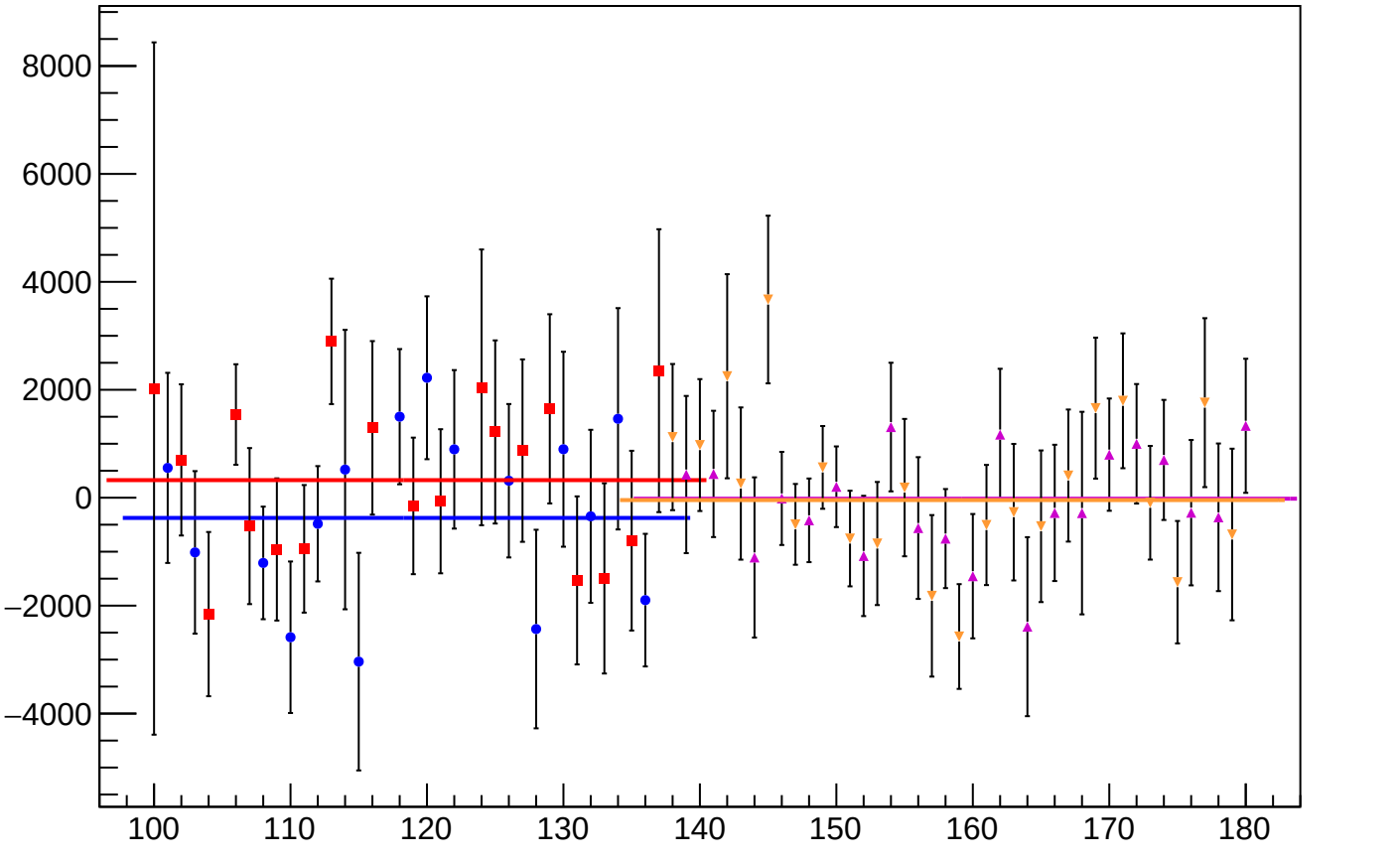
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1615.997+/-0.275 χ^2/NDF:2525.1/20

+ sign 1628.739+/-0.233 χ^2/NDF: 673907.3/37

All: 1628.477+/-0.165 χ^2/NDF: 876602.7/77

- 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: -43.828+/-247.074 χ^2/NDF:26.7/21

Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

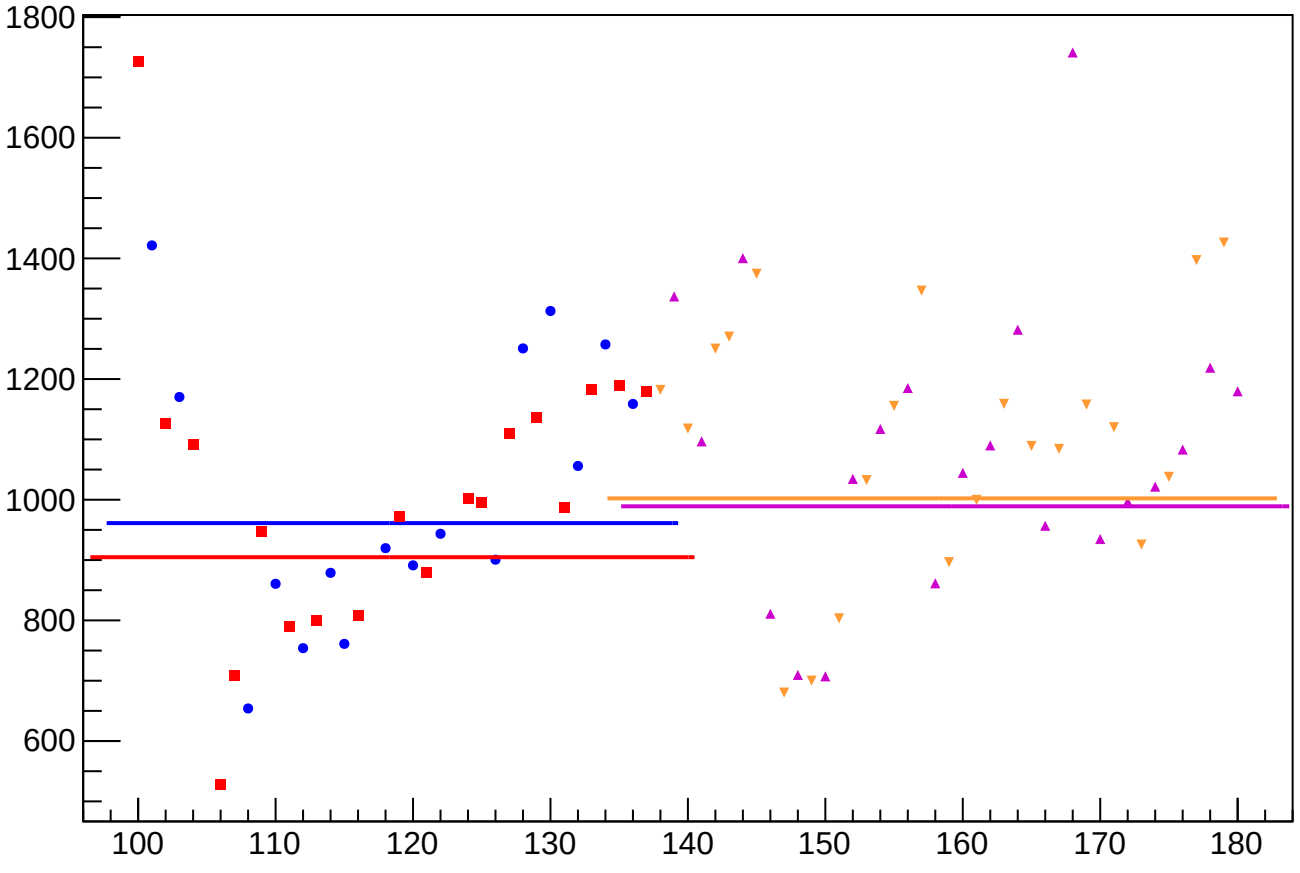
Left In: -18.081+/-244.630 χ^2/NDF:11.9/20

+ sign -146.622+/-205.119 χ^2/NDF: 42.9/37

All: -19.961+/-142.716 χ^2/NDF: 73.6/77

- 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: 1002.254+/-0.175 χ^2/NDF:1591639.6/21

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

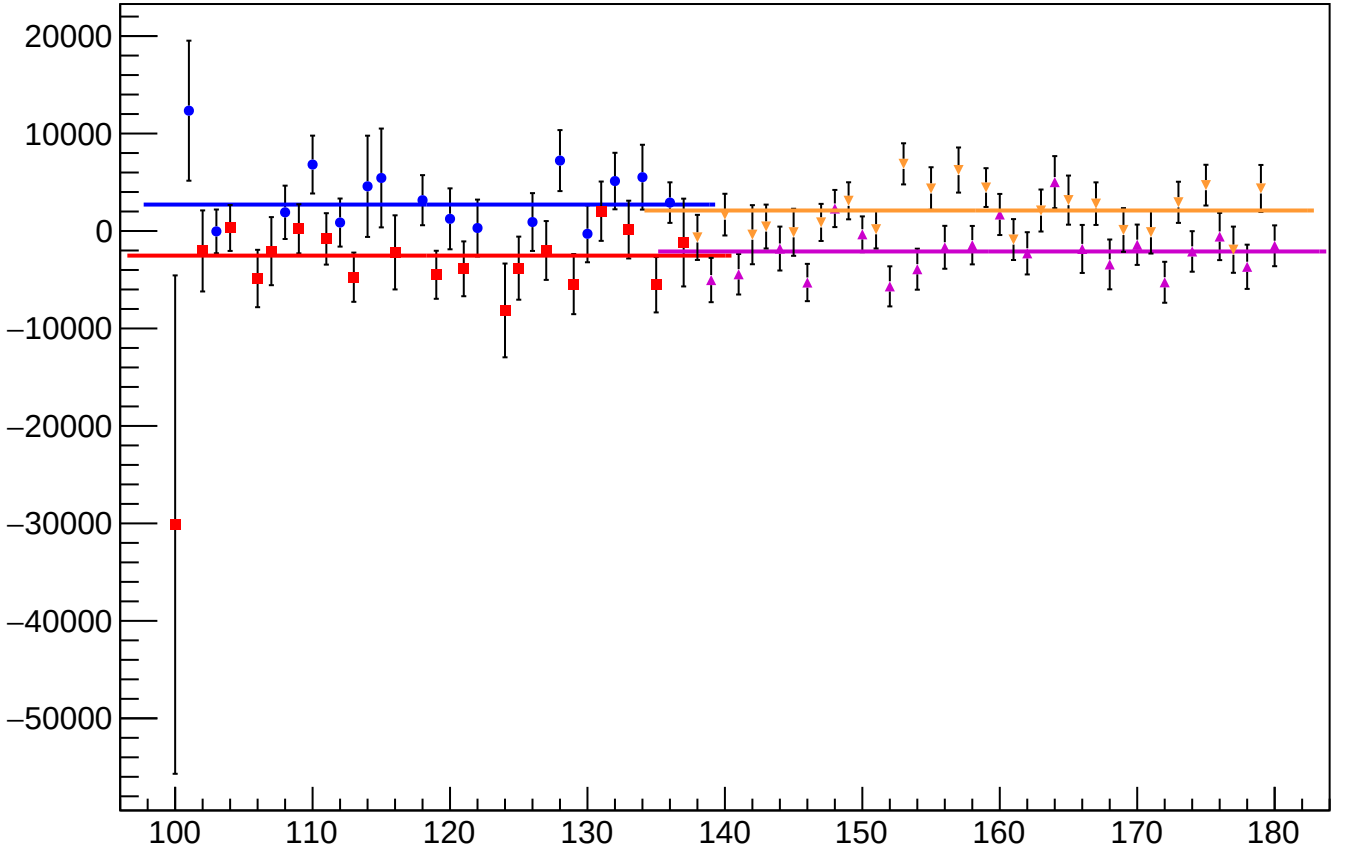
Left In: 989.075+/-0.173 χ^2/NDF:1547342.9/20

+ sign 989.507+/-0.145 χ^2/NDF: 2300651.5/37

All: 974.478+/-0.101 χ^2/NDF: 4686186.0/77

- sign 960.375+/-0.140 χ^2/NDF: 2364721.9/39

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2103.896+/-466.881 χ^2/NDF:25.6/21

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

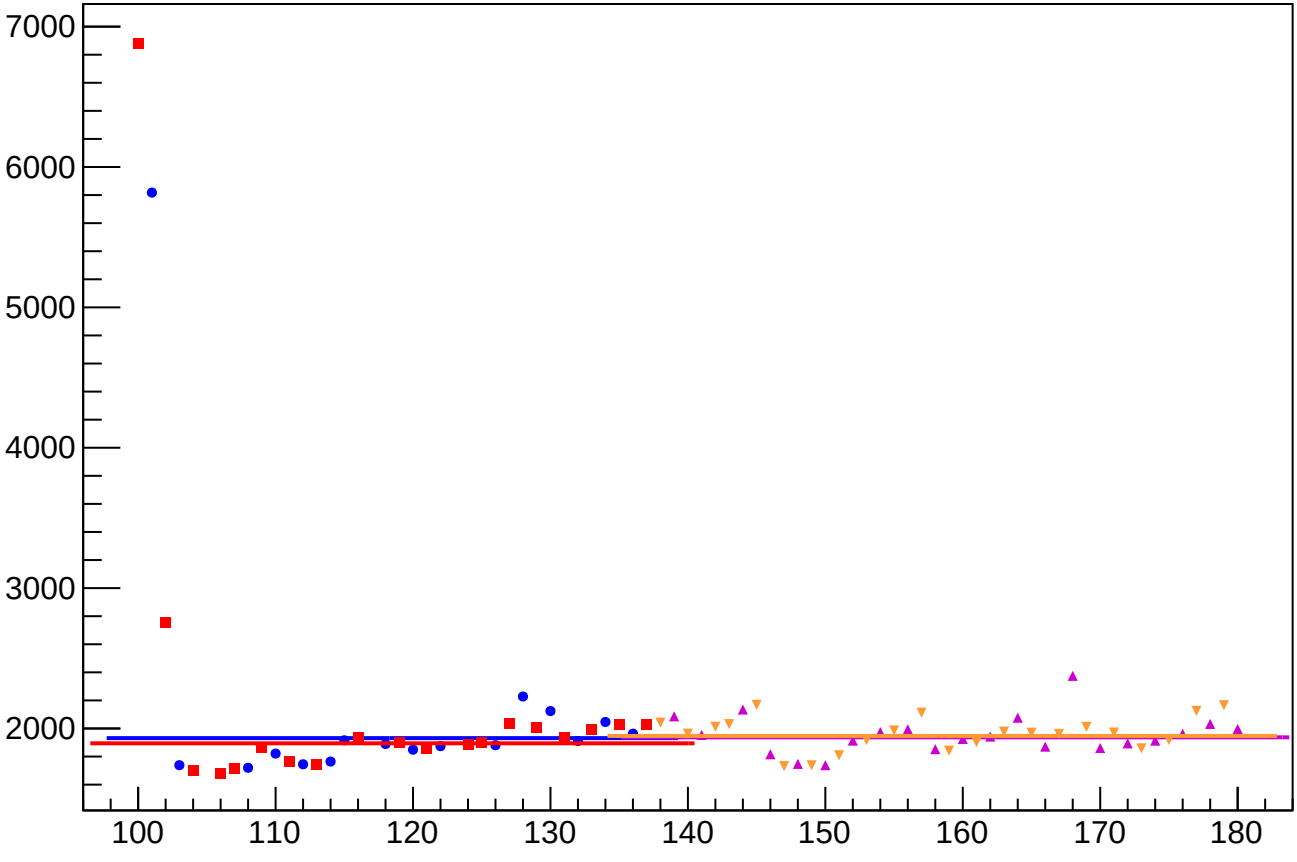
Left In: -2100.367+/-467.626 χ^2/NDF:29.9/20

+ sign 2278.517+/-394.108 χ^2/NDF: 38.2/37

All: 0.323+/-277.190 χ^2/NDF: 147.7/77

- 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: 1946.945+/-0.330 χ^2/NDF:135592.8/21

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

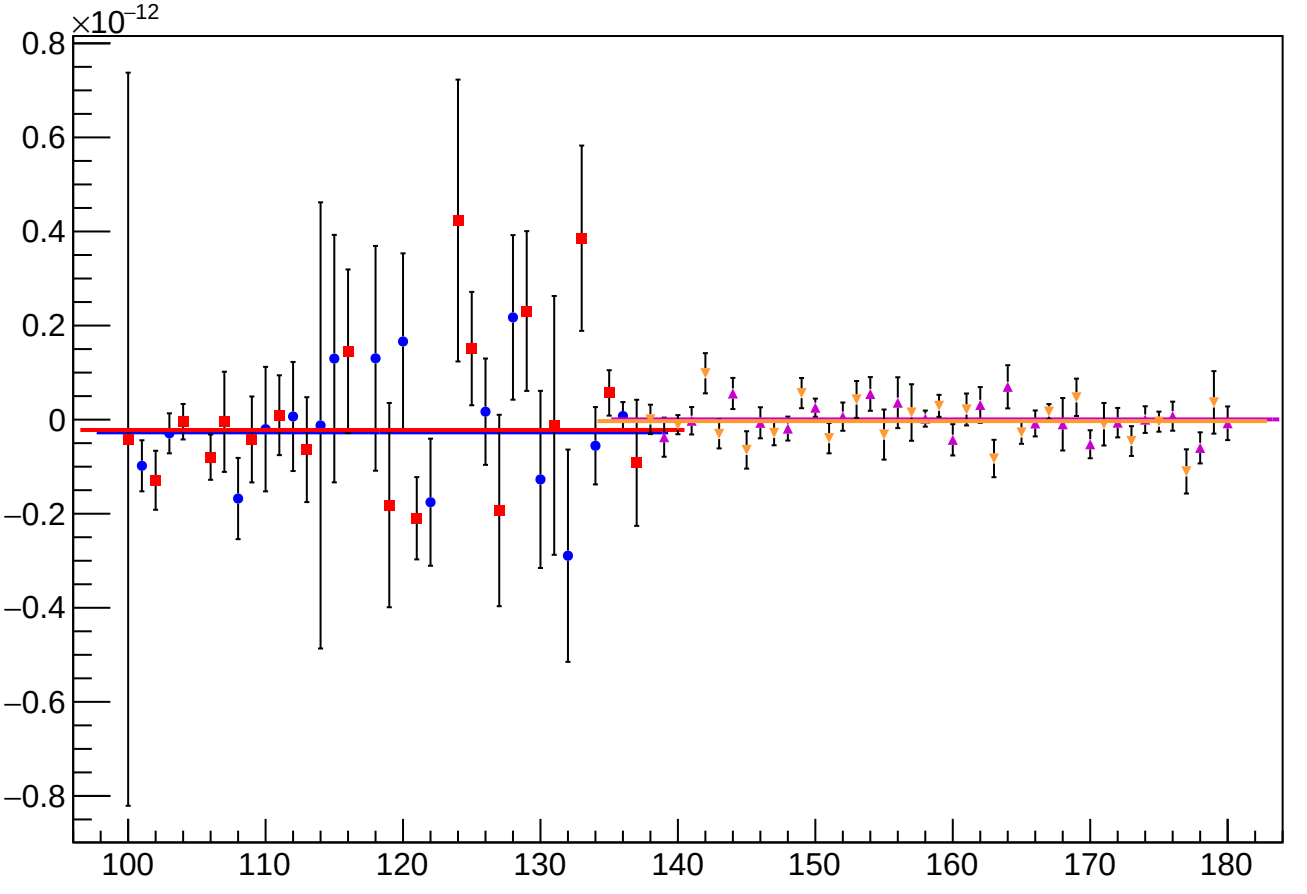
Left In: 1936.927+/-0.331 χ^2/NDF:156108.6/20

+ sign 1942.434+/-0.279 χ^2/NDF: 797469.6/37

All: 1933.096+/-0.196 χ^2/NDF: 1181392.9/77

- 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:34.4/21

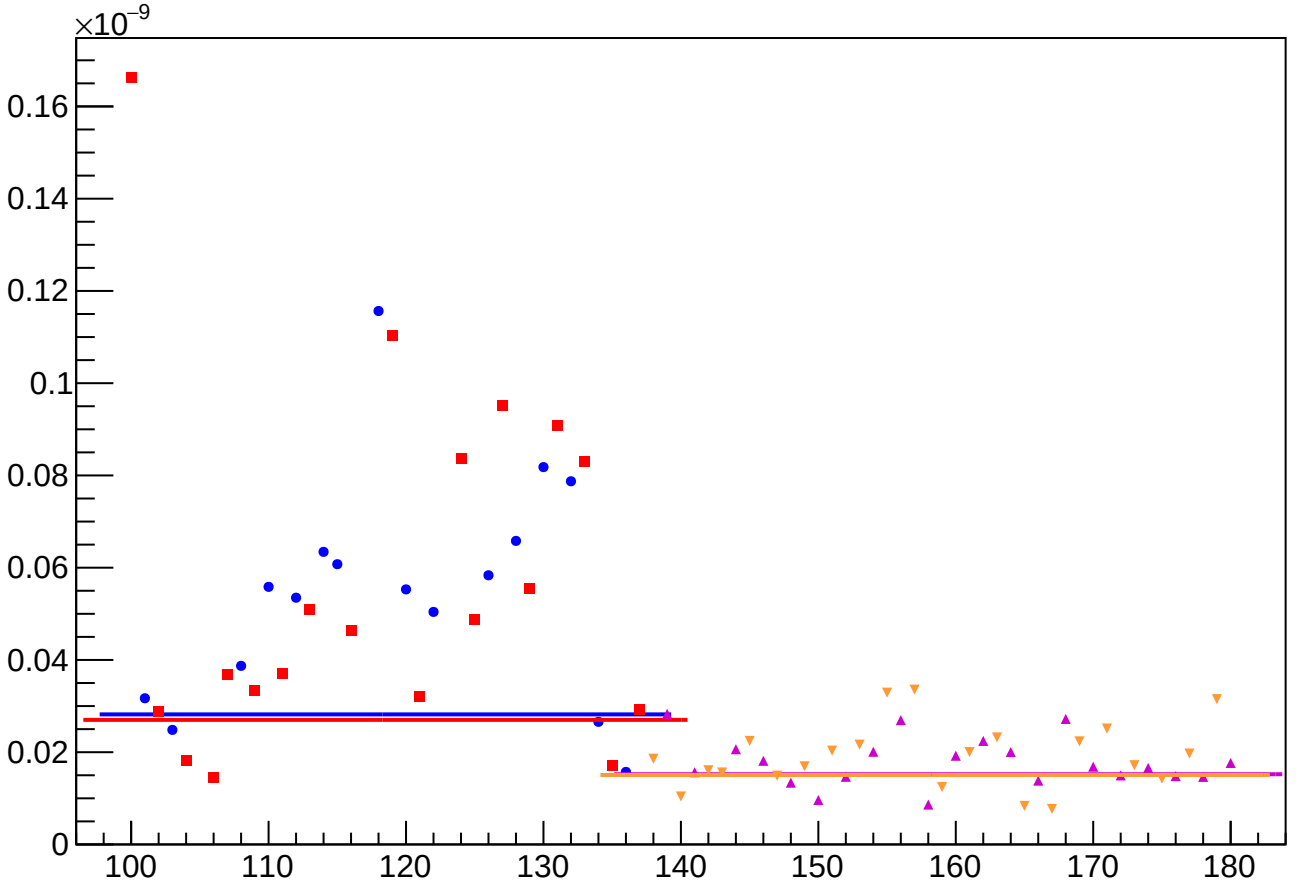
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:20.1/20

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/37

All: -0.000+/-0.000 χ^2/NDF: 95.4/77

- 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:1790306.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

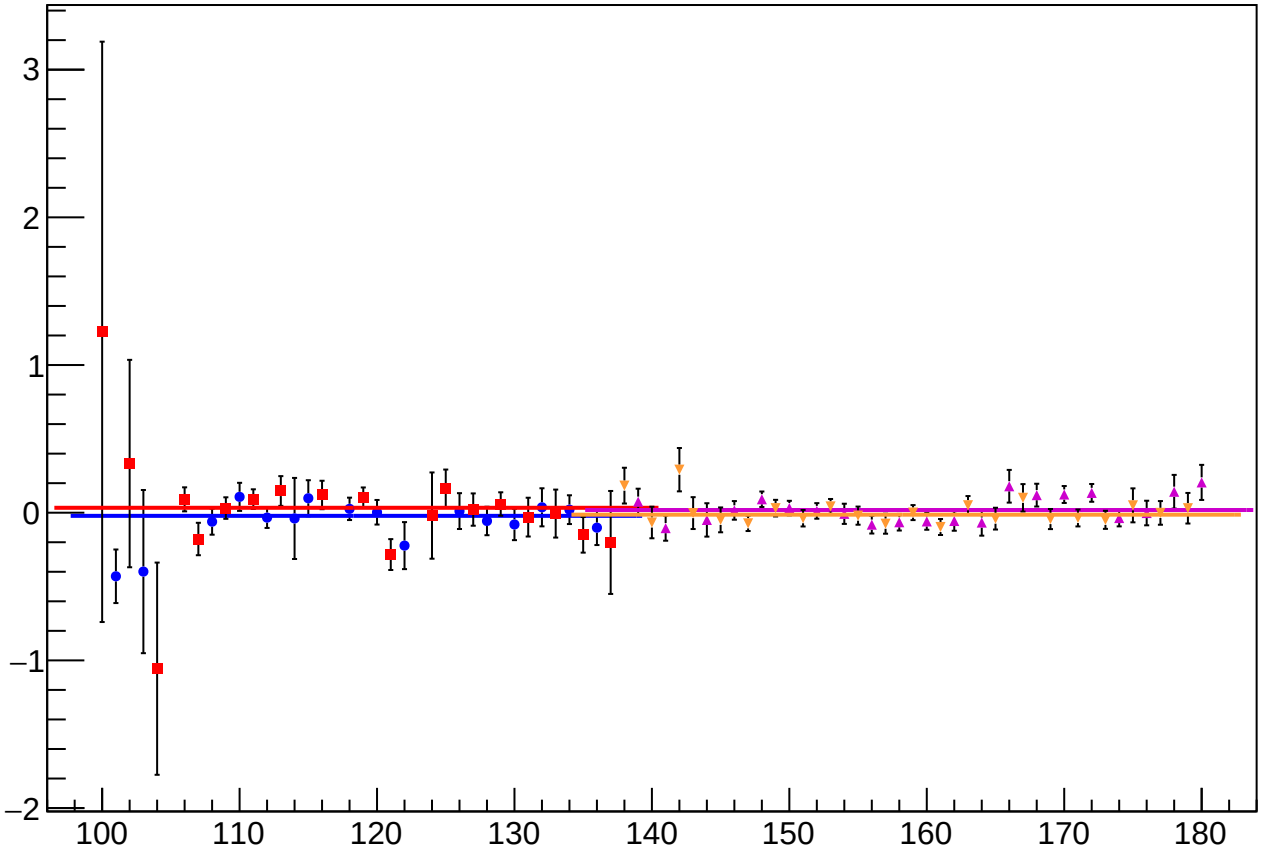
Left In: 0.000+/-0.000 χ^2/NDF:1114270.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 4125621.4/37

All: 0.000+/-0.000 χ^2/NDF: 7460608.7/77

- 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: -0.013+/-0.015 χ^2/NDF:17.8/21

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

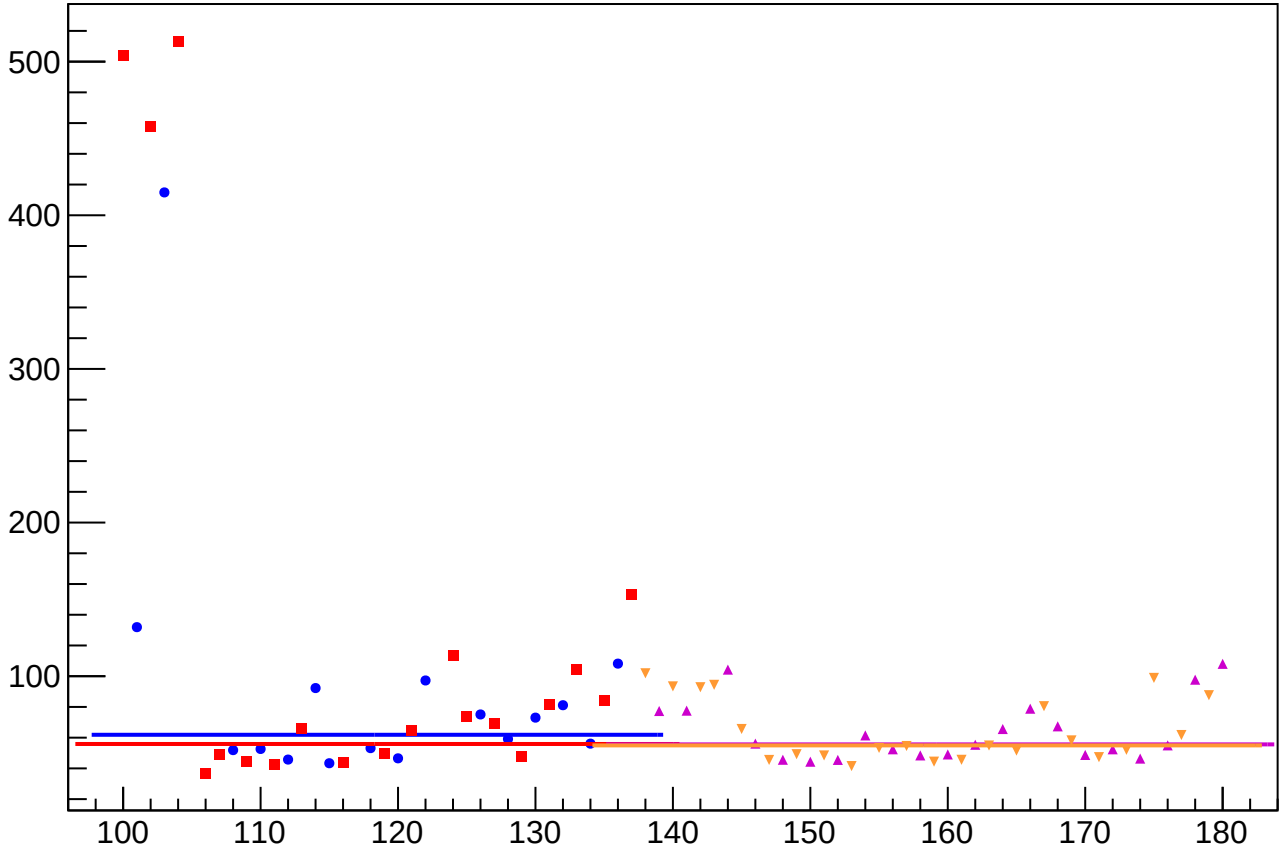
Left In: 0.018+/-0.015 χ^2/NDF:29.4/20

+ sign -0.015+/-0.013 χ^2/NDF: 29.9/37

All: 0.004+/-0.009 χ^2/NDF: 88.3/77

- 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: 54.970+/-0.010 χ^2/NDF:2100960.9/21

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

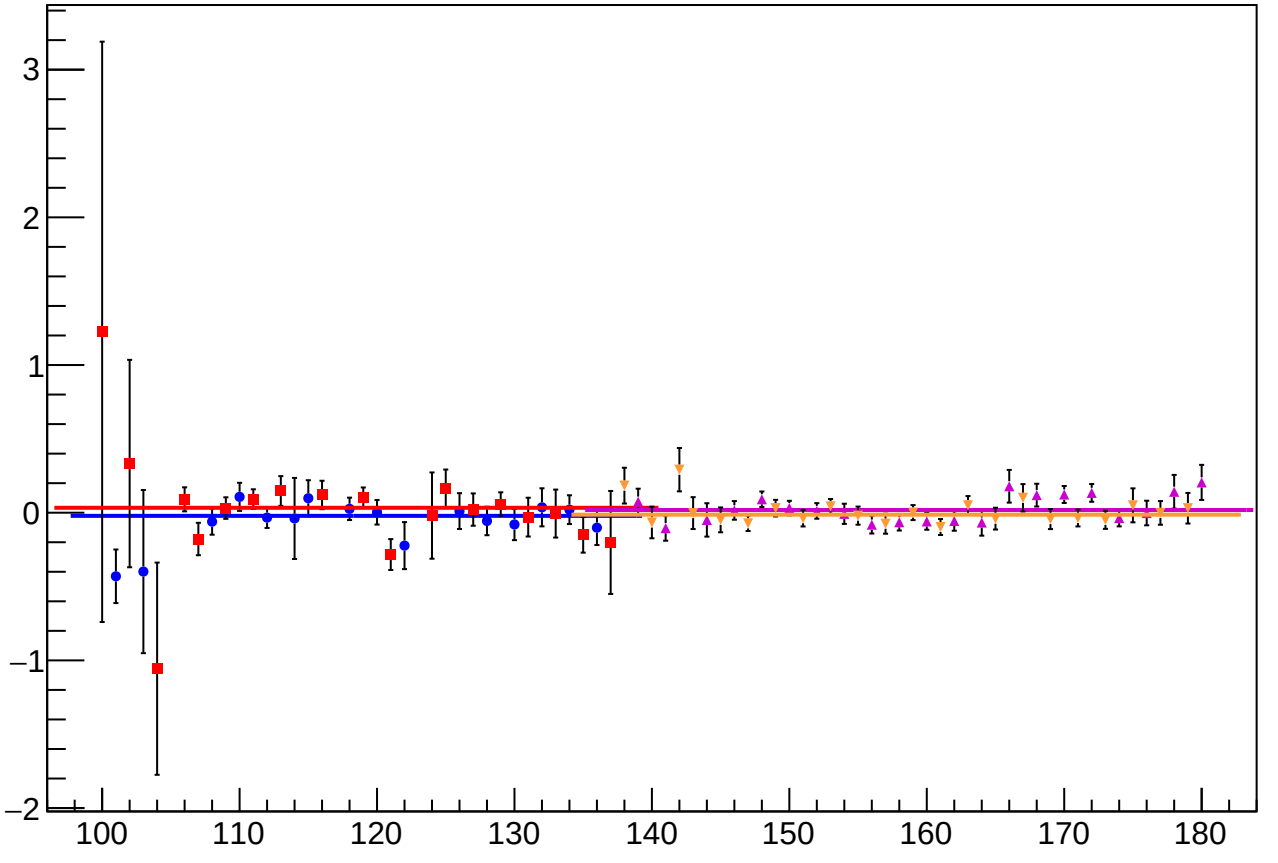
Left In: 55.625+/-0.010 χ^2/NDF:1866511.2/20

+ sign 56.569+/-0.009 χ^2/NDF: 4142851.0/37

All: 56.125+/-0.006 χ^2/NDF: 8605556.7/77

- sign 55.694+/-0.009 χ^2/NDF: 4457954.5/39

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

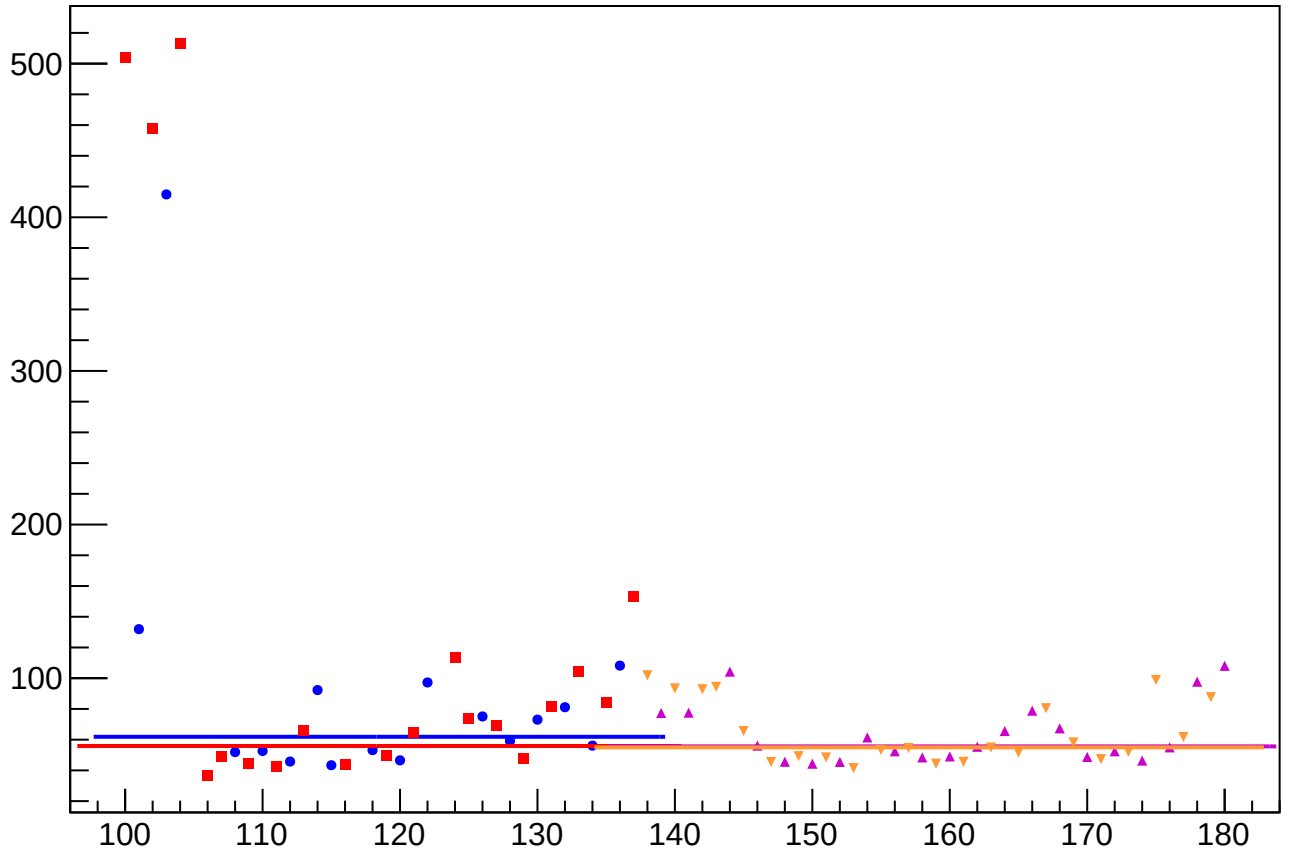
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.015 χ^2/NDF:29.4/20

\+ sign -0.015+/-0.013 χ^2/NDF: 29.9/37

All: 0.004+/-0.009 χ^2/NDF: 88.3/77

\- 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: 54.970+/-0.010 χ^2/NDF:2100960.9/21

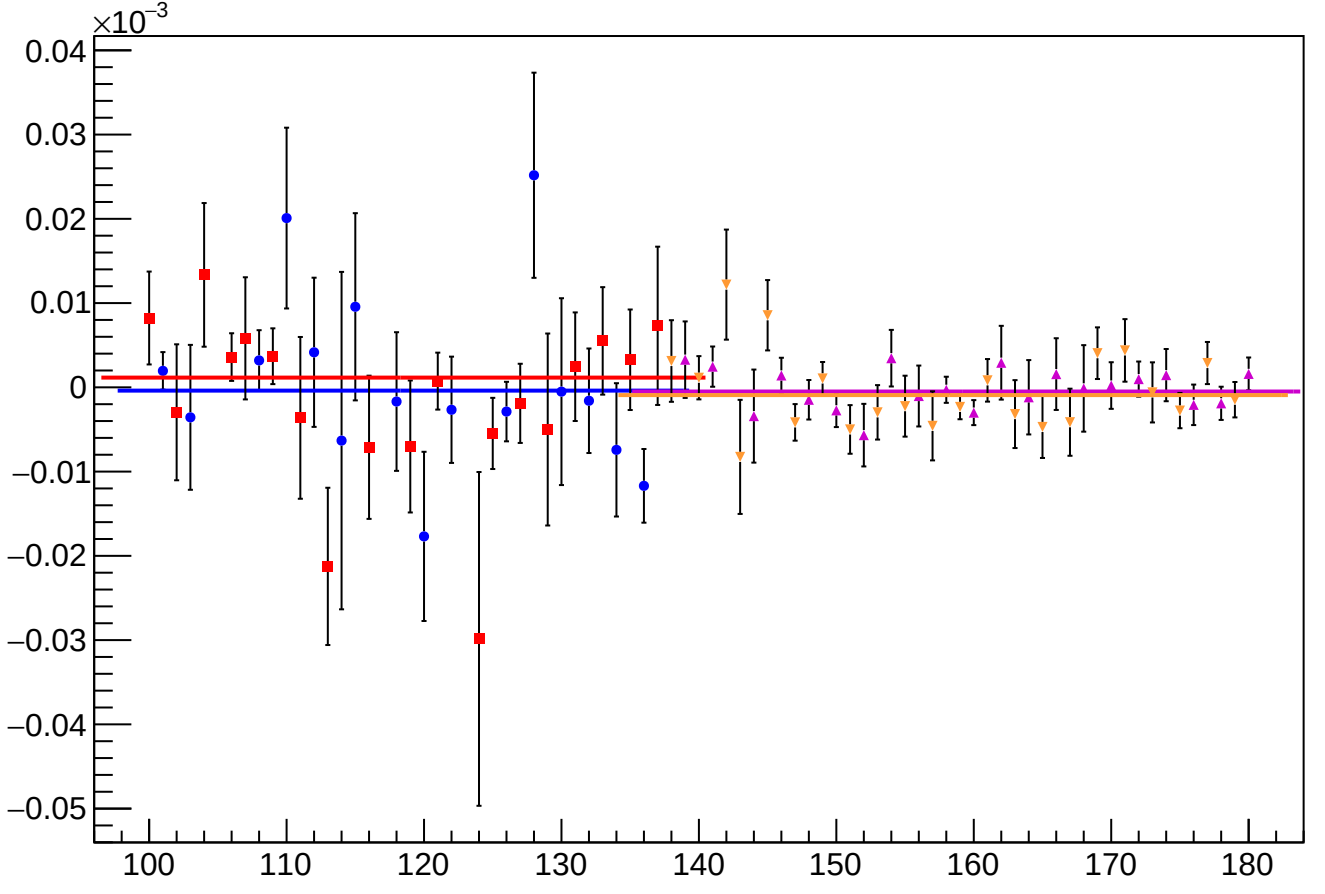
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.625+/-0.010 χ^2/NDF:1866511.2/20

+ sign 56.569+/-0.009 χ^2/NDF: 4142851.0/37

All: 56.125+/-0.006 χ^2/NDF: 8605556.7/77

- 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:29.5/21

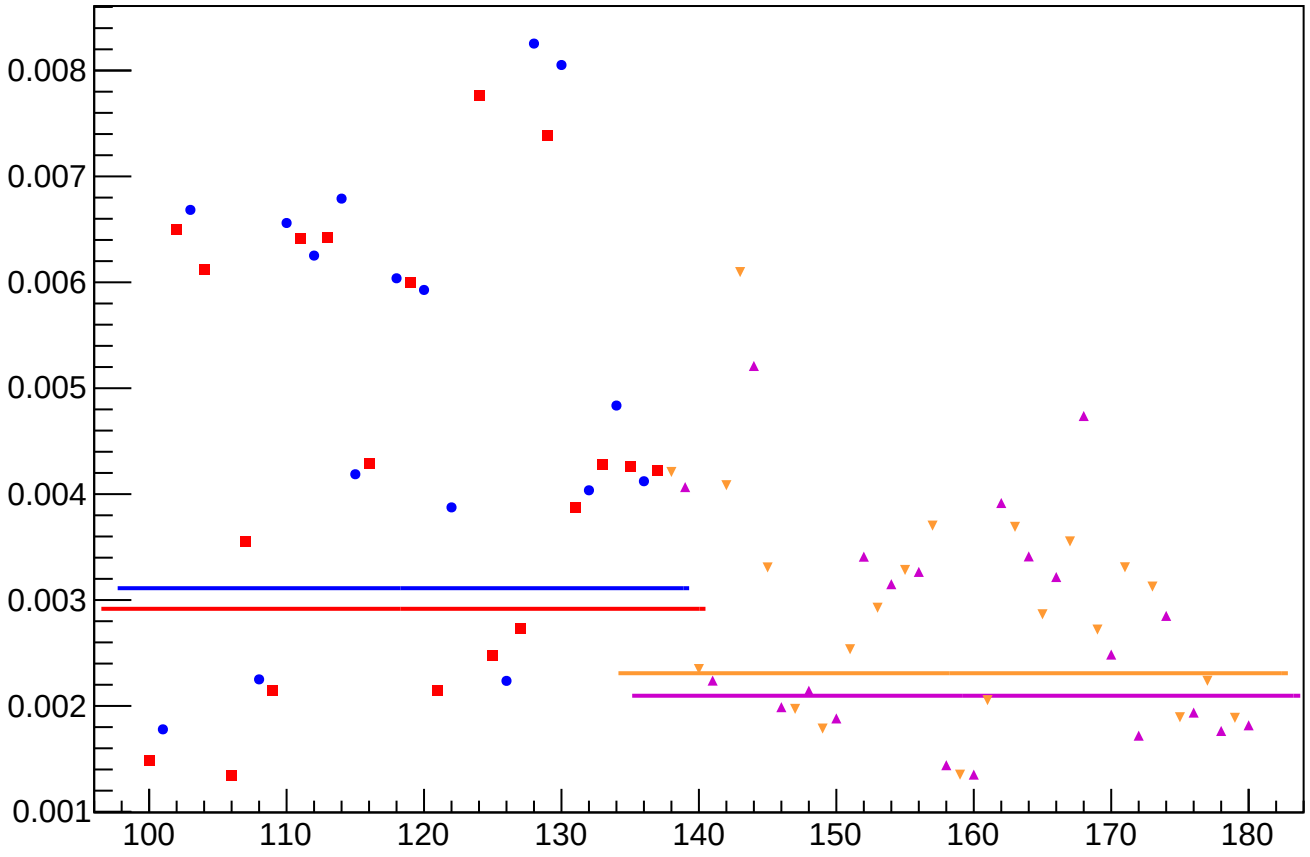
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 52.2/37

All: -0.000+/-0.000 χ^2/NDF: 89.7/77

- 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:3652797.2/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

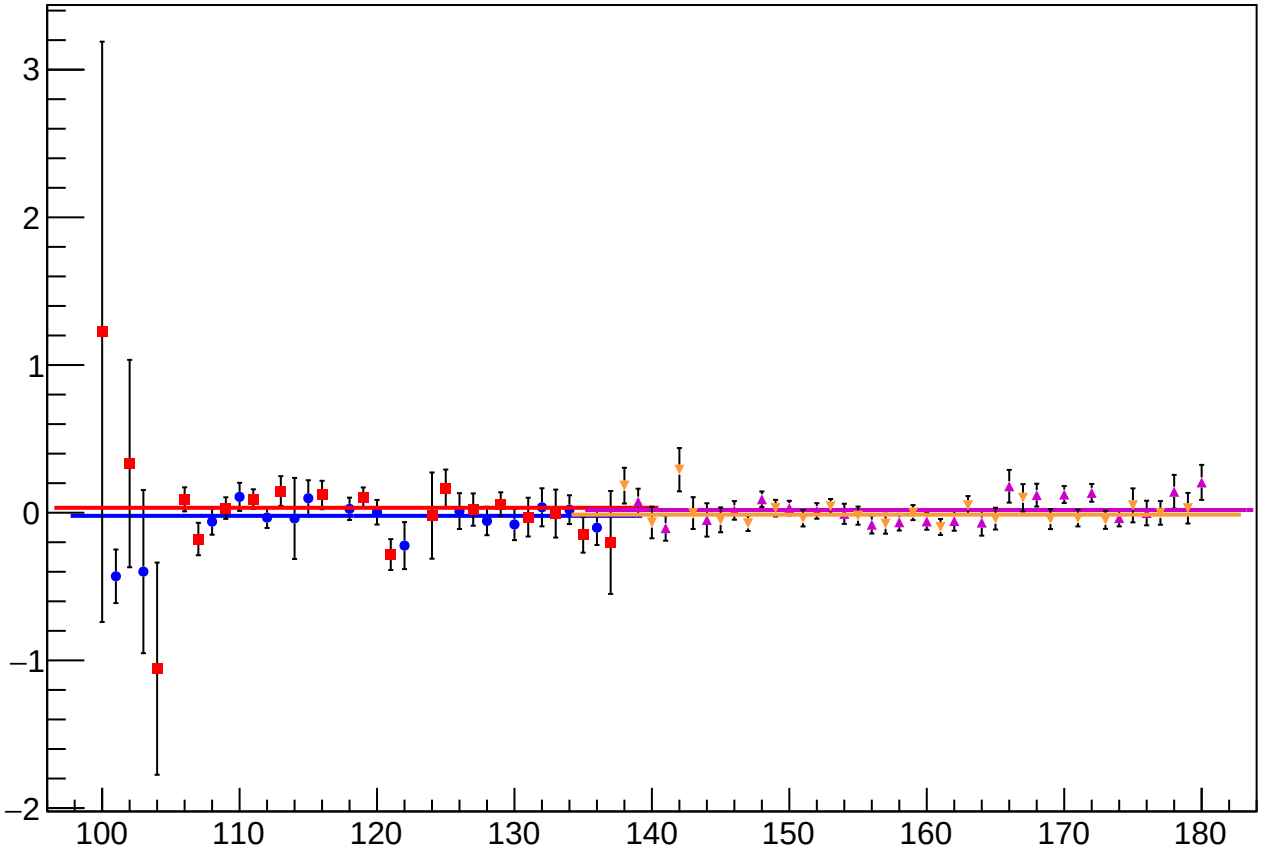
Left In: 0.002+/-0.000 χ^2/NDF:4088763.7/20

\+ sign 0.002+/-0.000 χ^2/NDF: 7542654.7/37

All: 0.002+/-0.000 χ^2/NDF: 15821397.5/77

\- sign 0.002+/-0.000 χ^2/NDF: 8106816.3/39

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

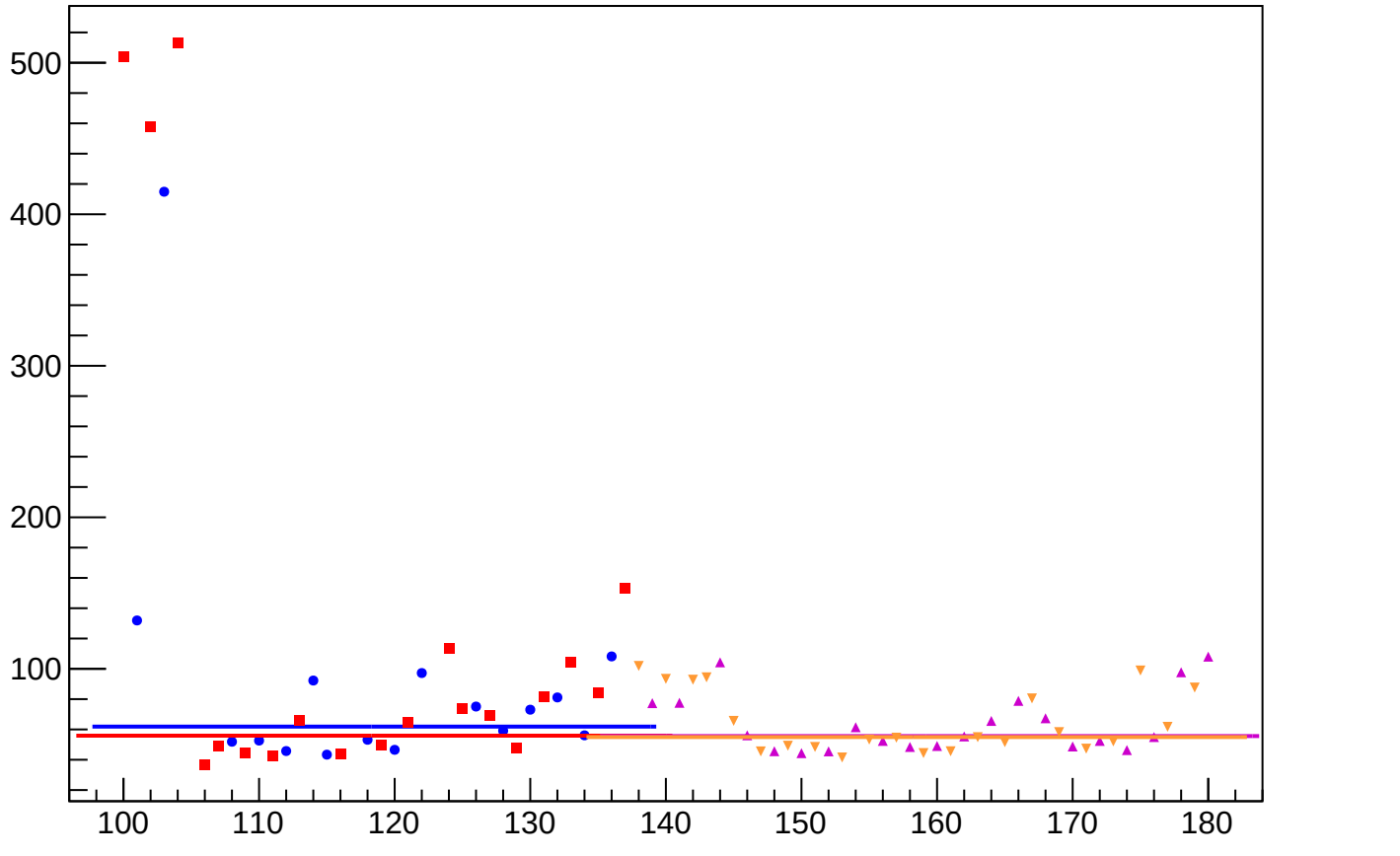
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.015 χ^2/NDF:29.4/20

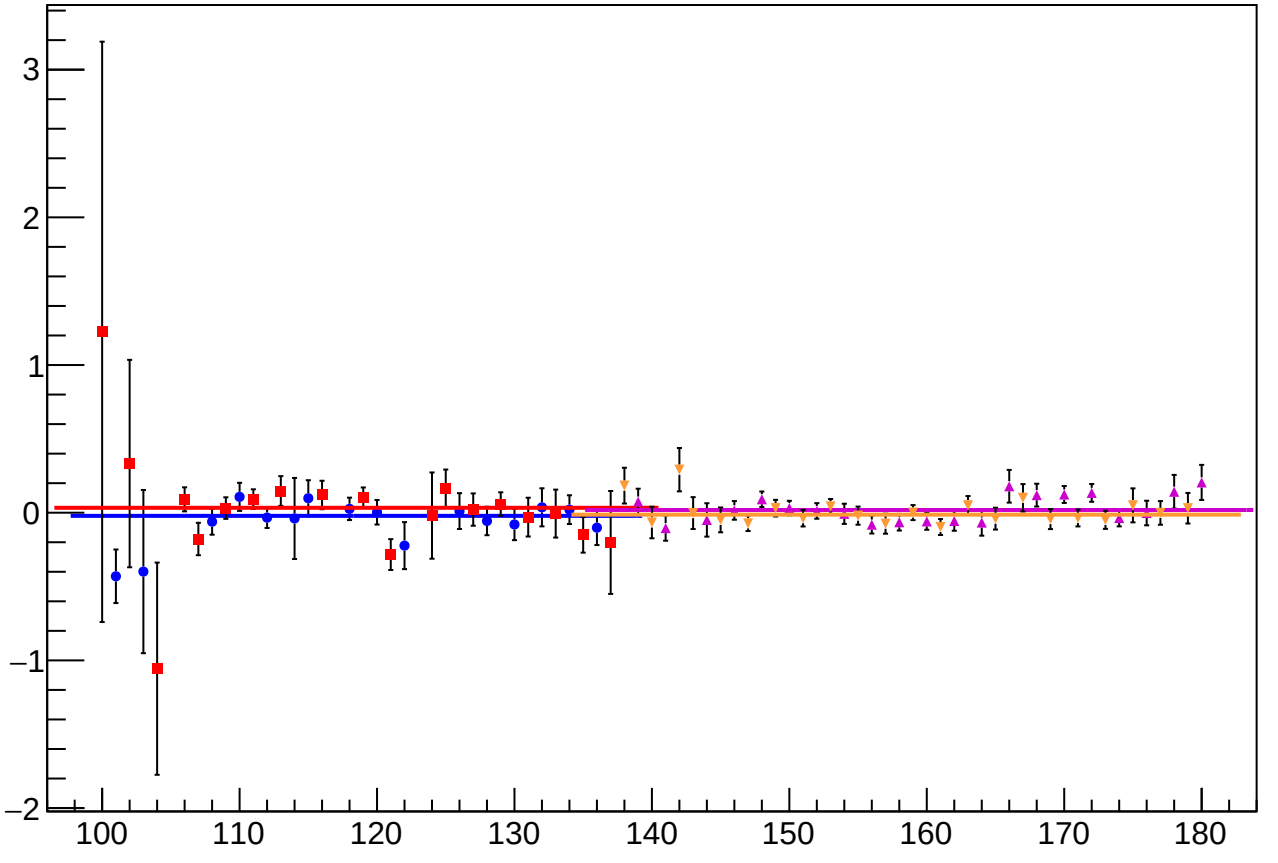
+ sign -0.015+/-0.013 χ^2/NDF: 29.9/37

All: 0.004+/-0.009 χ^2/NDF: 88.3/77

- sign 0.022+/-0.013 χ^2/NDF: 54.1/39


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 54.971+/-0.010 χ²/NDF:2101012.8/21
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 55.625+/-0.010 χ²/NDF:1866507.7/20
+ sign 56.569+/-0.009 χ²/NDF: 4142829.7/37
All: 56.125+/-0.006 χ²/NDF: 8605489.9/77
- sign 55.694+/-0.009 χ²/NDF: 4457907.7/39

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

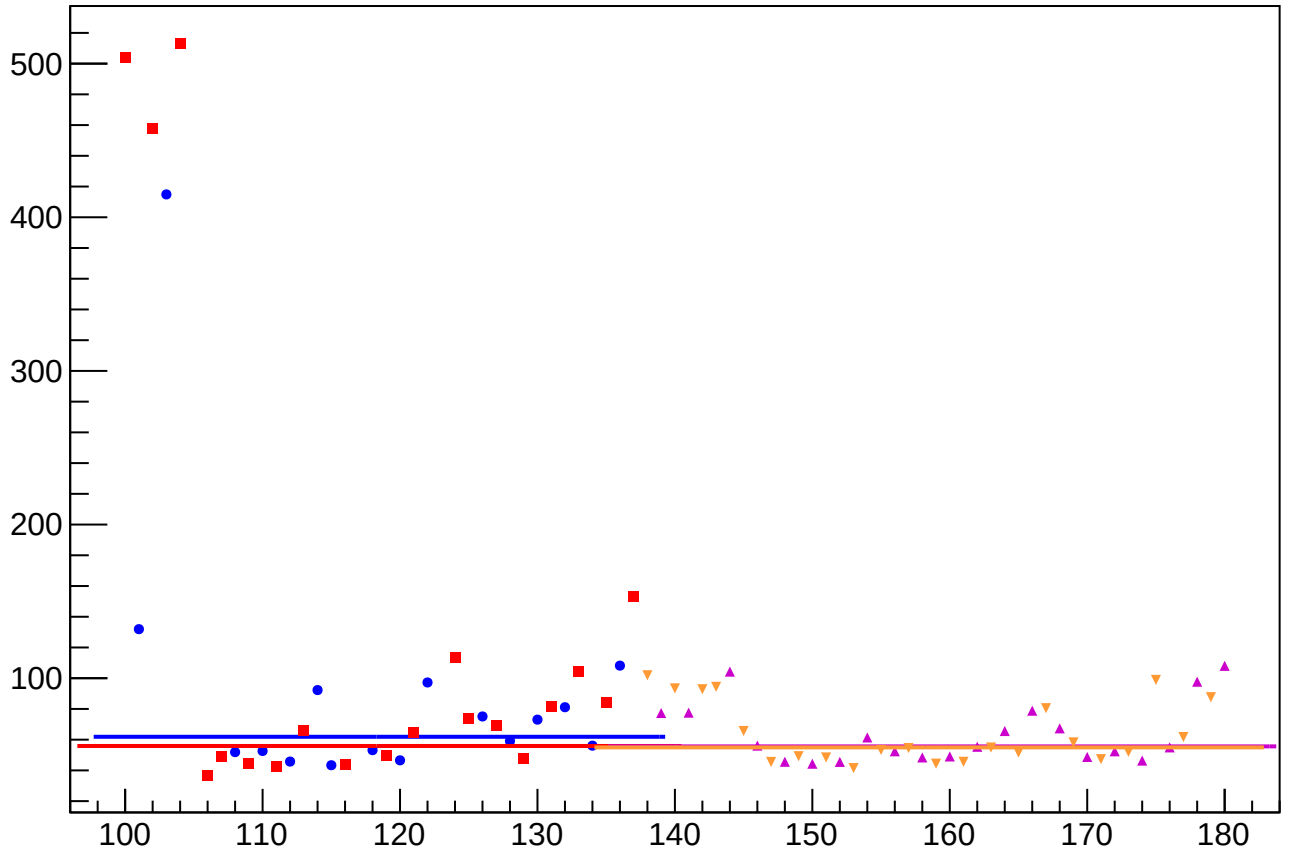
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.015 χ^2/NDF:29.4/20

+ sign -0.015+/-0.013 χ^2/NDF: 29.9/37

All: 0.004+/-0.009 χ^2/NDF: 88.3/77

- 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: 54.971+/-0.010 χ^2/NDF:2101012.8/21

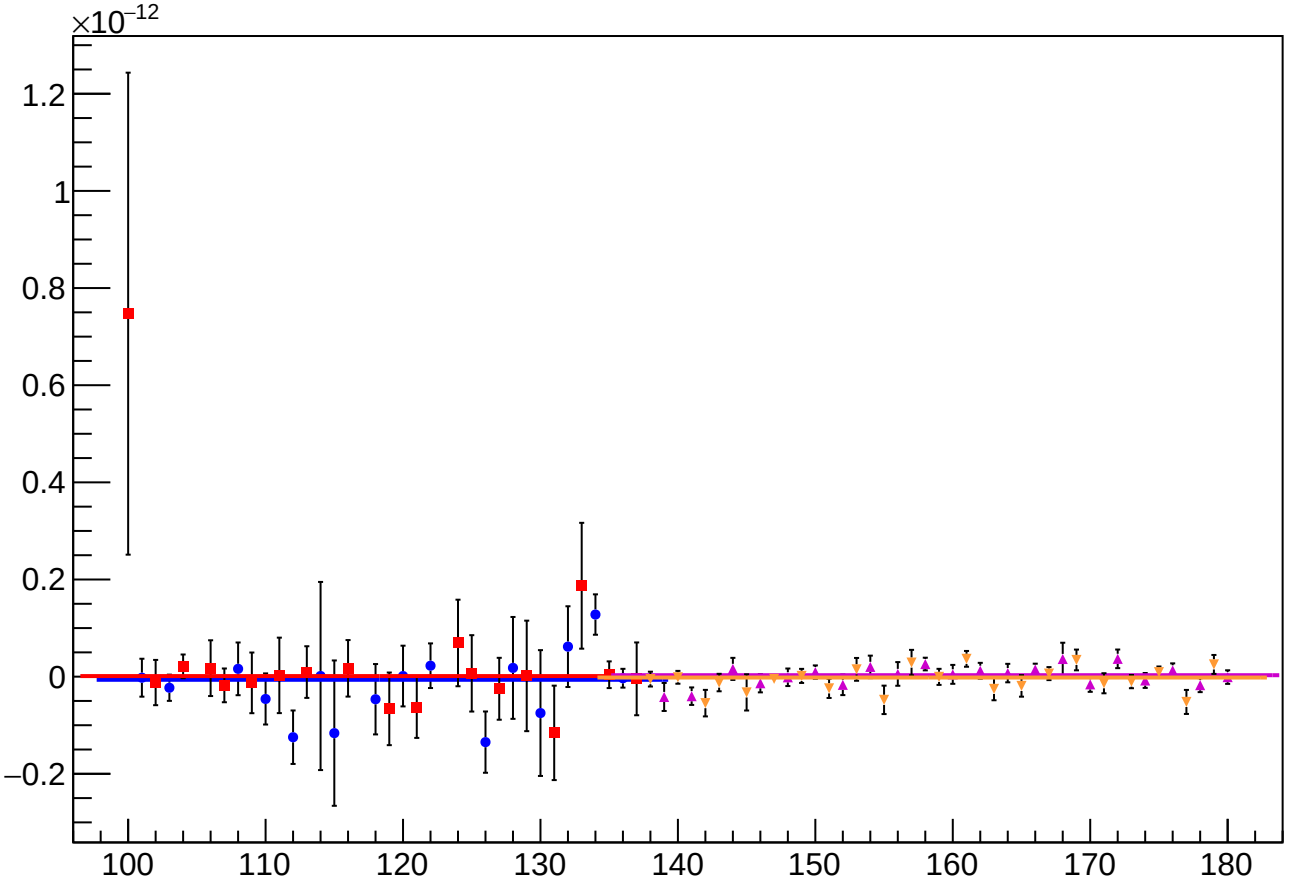
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.625+/-0.010 χ^2/NDF:1866507.7/20

+ sign 56.569+/-0.009 χ^2/NDF: 4142829.7/37

All: 56.125+/-0.006 χ^2/NDF: 8605489.9/77

- 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:28.6/21

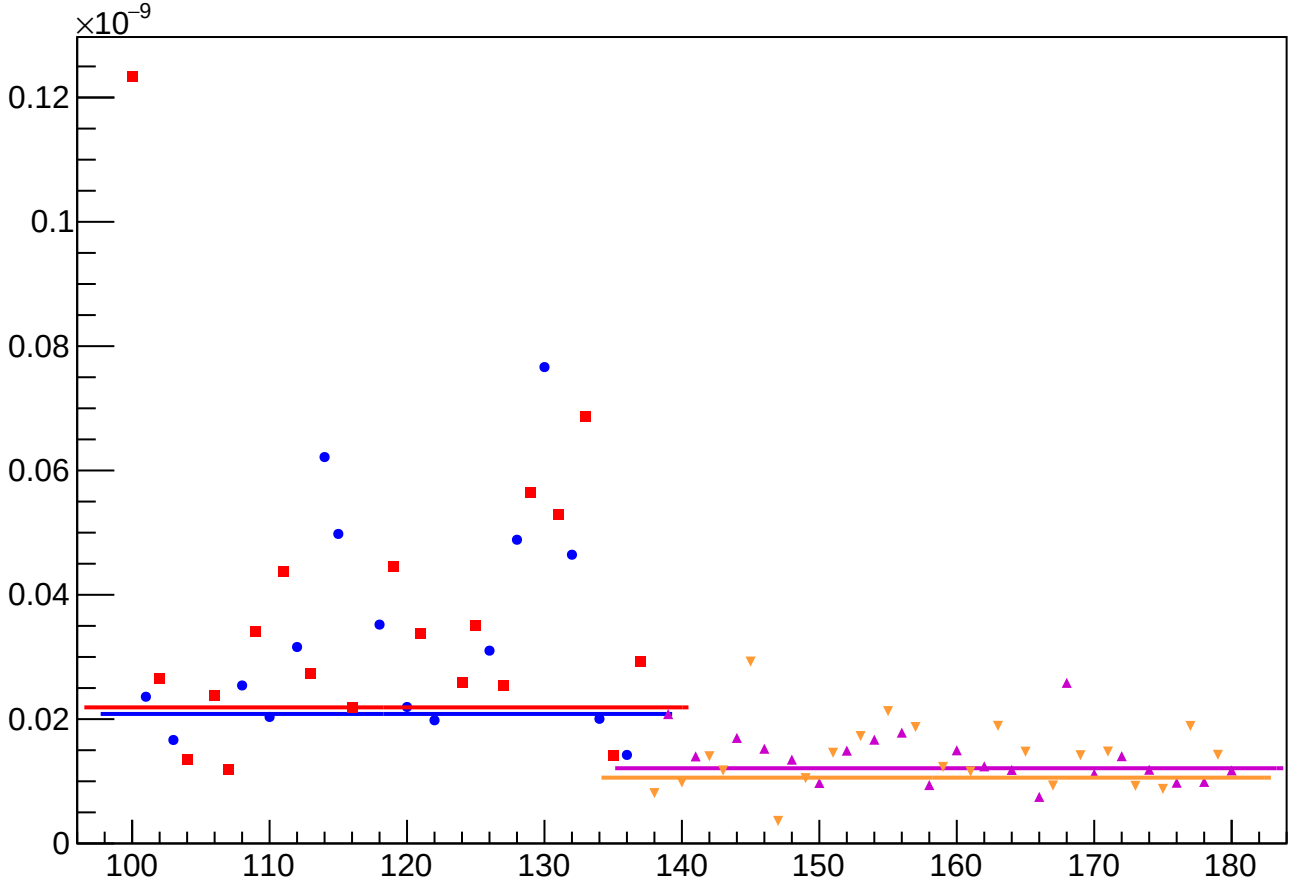
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

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

\+ sign -0.000+/-0.000 χ^2/NDF: 51.4/37

All: 0.000+/-0.000 χ^2/NDF: 86.2/77

\- sign 0.000+/-0.000 χ^2/NDF: 33.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3574538.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

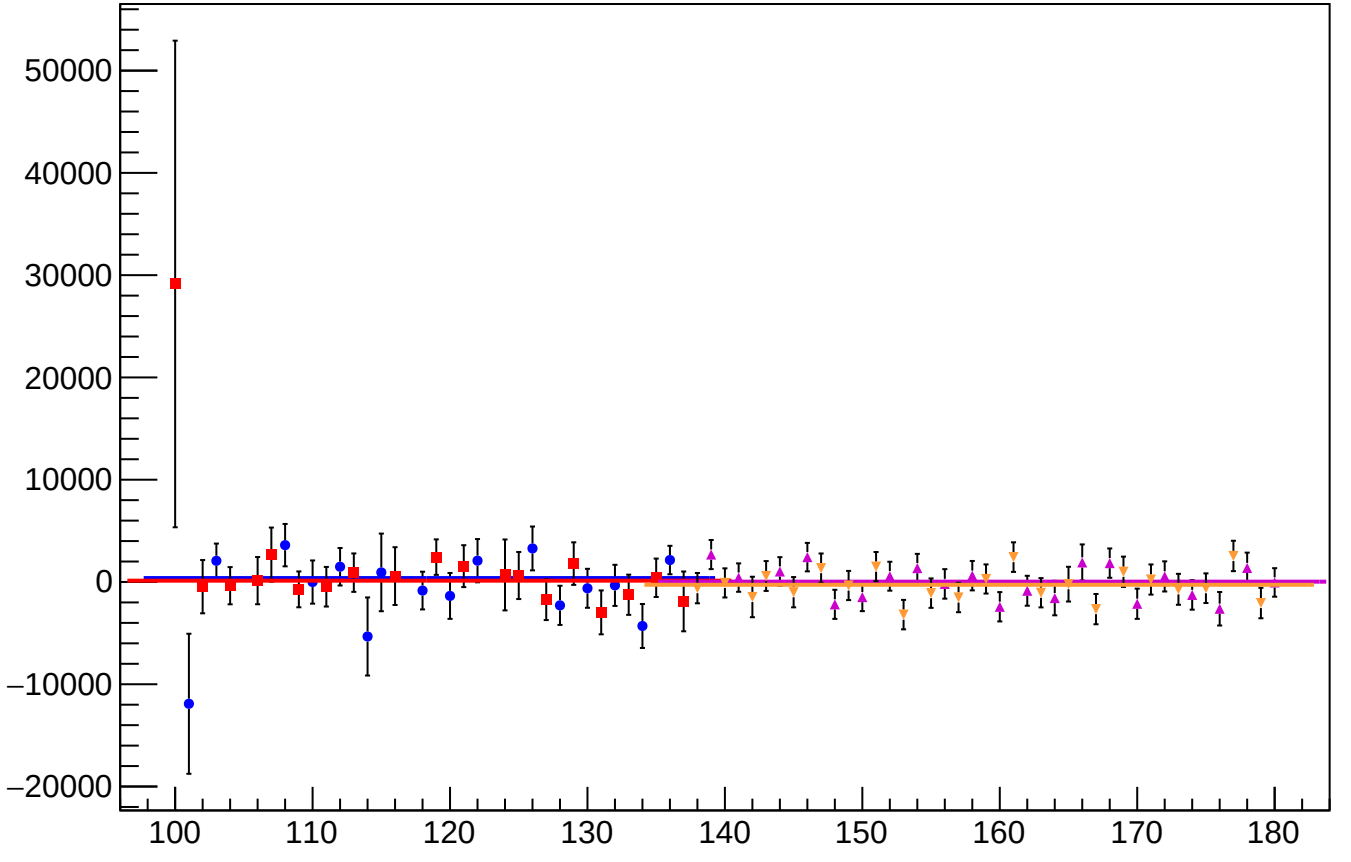
Left In: 0.000+/-0.000 χ^2/NDF:1542231.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 6459961.2/37

All: 0.000+/-0.000 χ^2/NDF: 11320907.4/77

- sign 0.000+/-0.000 χ^2/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: -274.509+/-315.627 χ^2/NDF:21.6/21

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

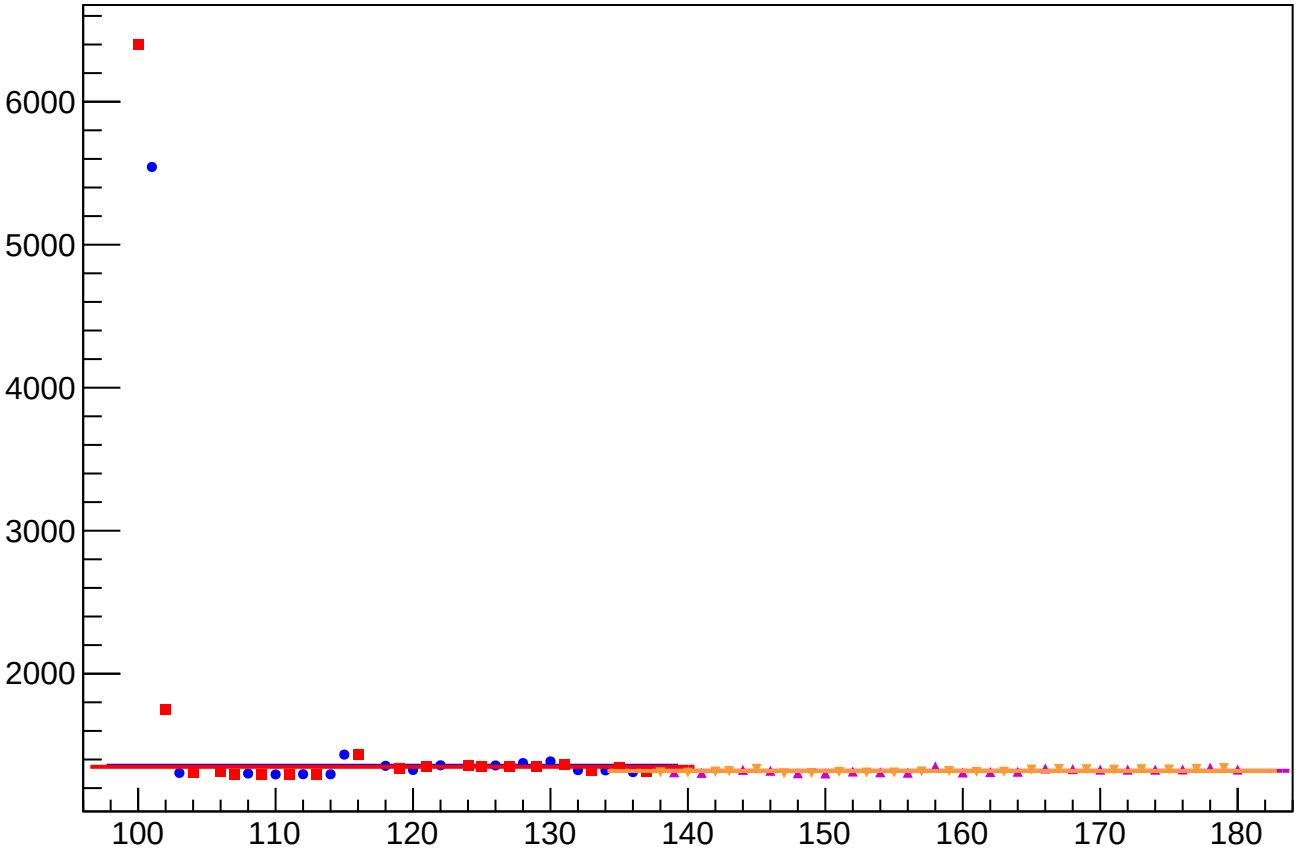
Left In: 31.330+/-318.095 χ^2/NDF:25.3/20

+ sign -96.816+/-269.504 χ^2/NDF: 44.3/37

All: -18.586+/-190.226 χ^2/NDF: 79.8/77

- 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: 1319.988+/-0.223 χ^2/NDF:2474.9/21

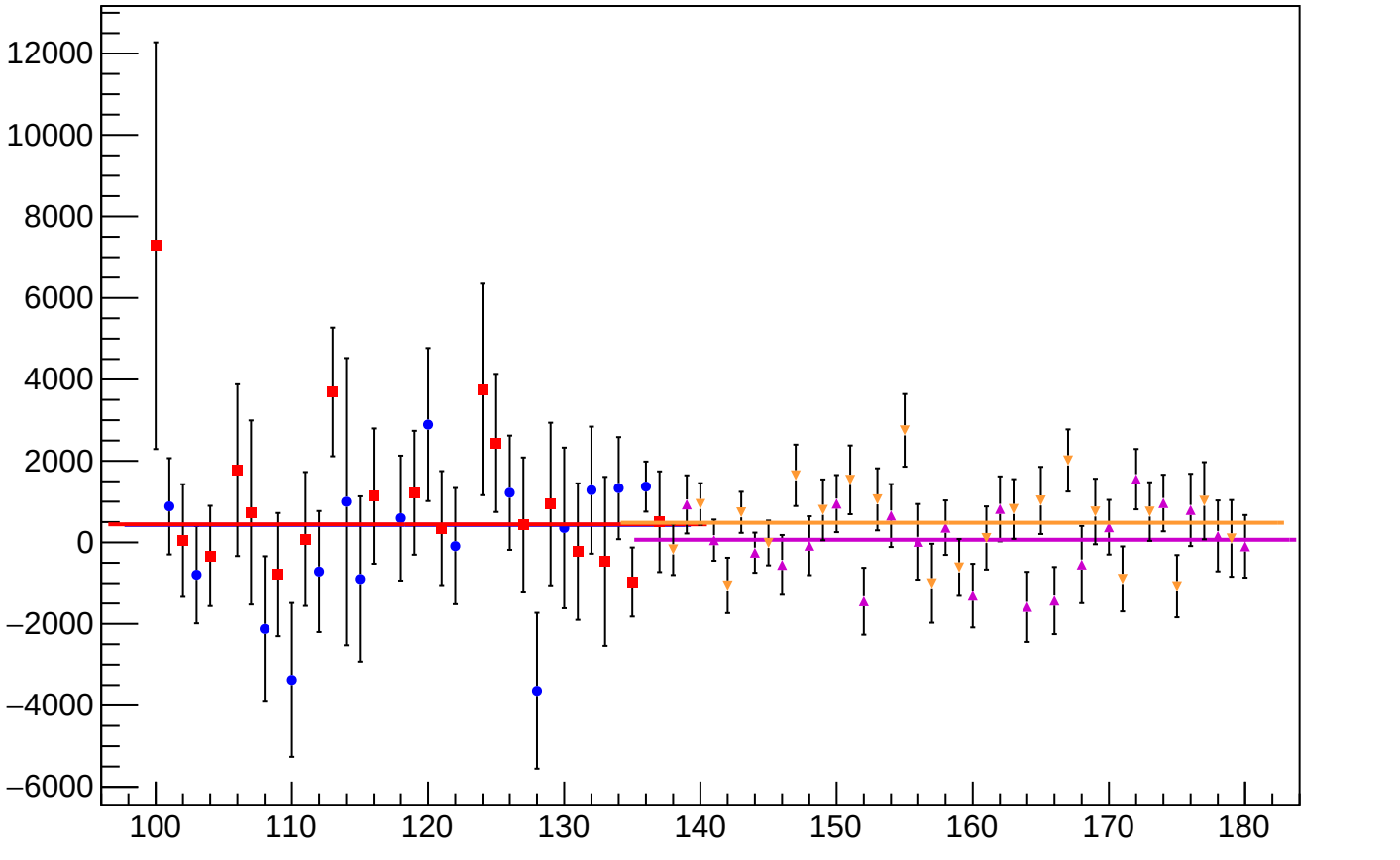
Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1321.300+/-0.225 χ^2/NDF:3474.9/20

+ sign 1329.852+/-0.191 χ^2/NDF: 769950.8/37

All: 1329.551+/-0.135 χ^2/NDF: 925045.7/77

- sign 1329.252+/-0.190 χ^2/NDF: 155089.9/39



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 483.027+/-153.241 χ^2/NDF:36.9/21

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

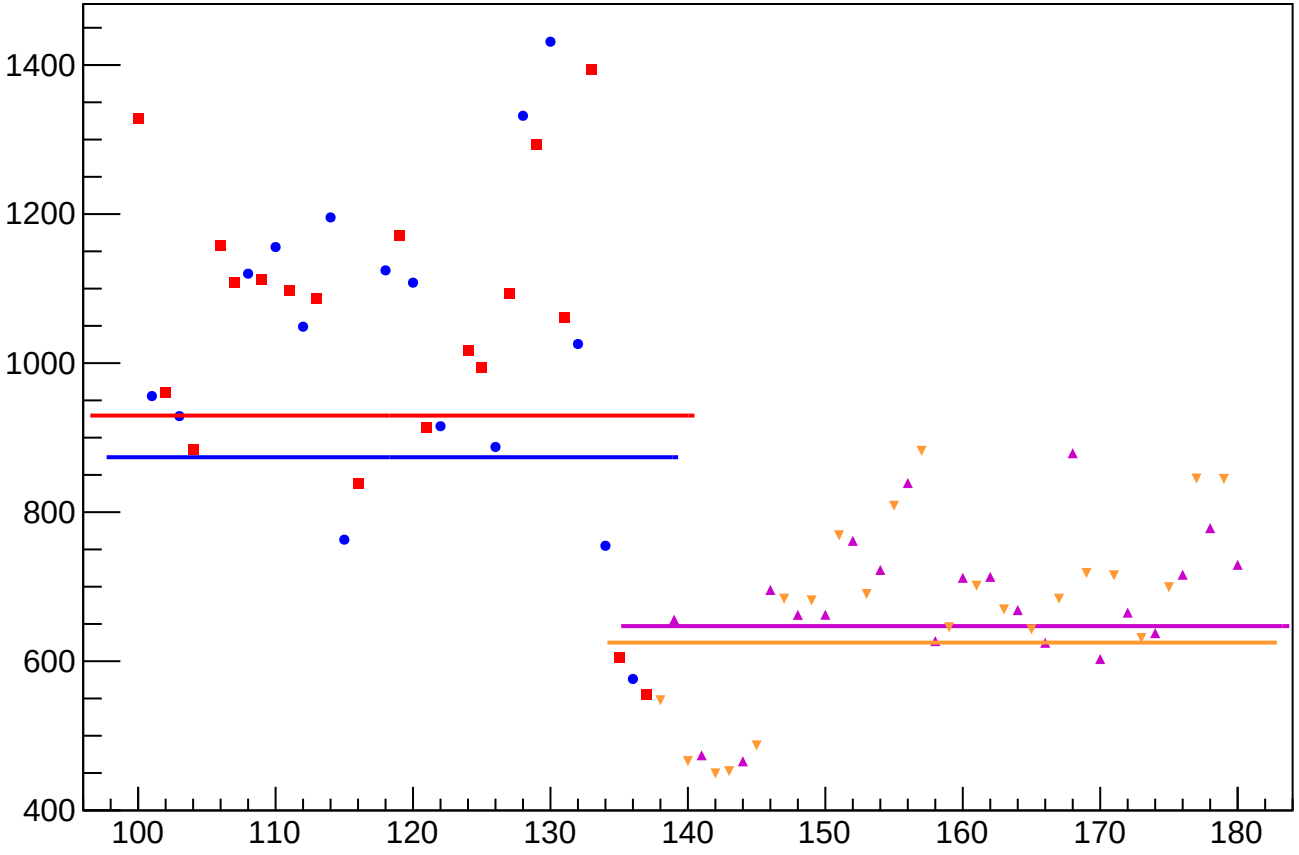
Left In: 65.448+/-158.291 χ^2/NDF:26.5/20

+ sign 474.068+/-139.600 χ^2/NDF: 55.1/37

All: 307.203+/-100.436 χ^2/NDF: 99.9/77

- 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: 625.000+/-0.108 χ^2/NDF:1371528.1/21

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

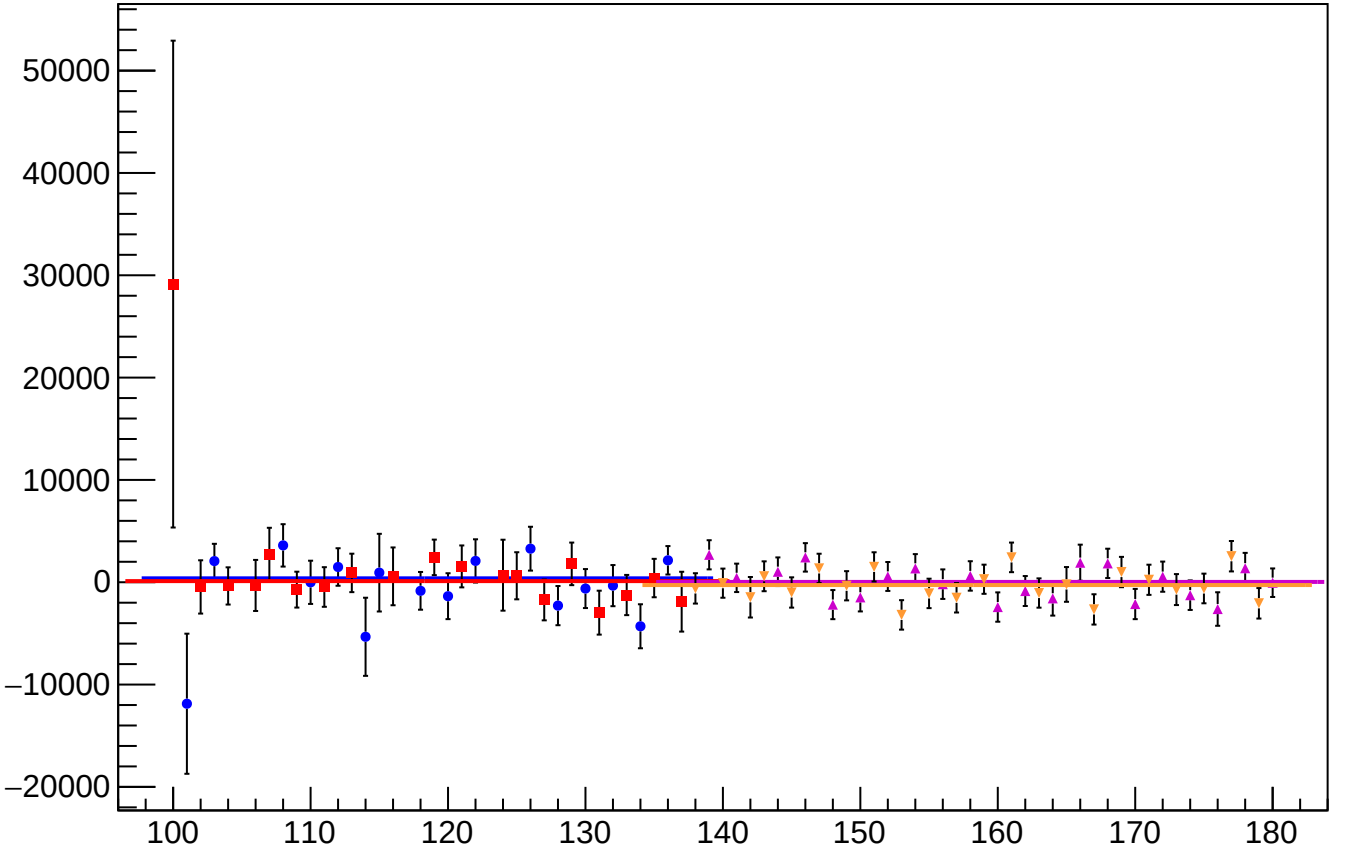
Left In: 647.124+/-0.112 χ^2/NDF:902277.4/20

\+ sign 667.314+/-0.099 χ^2/NDF: 3282782.5/37

All: 680.113+/-0.071 χ^2/NDF: 6133467.7/77

\- 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: -274.525+/-315.627 χ^2/NDF:21.6/21

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

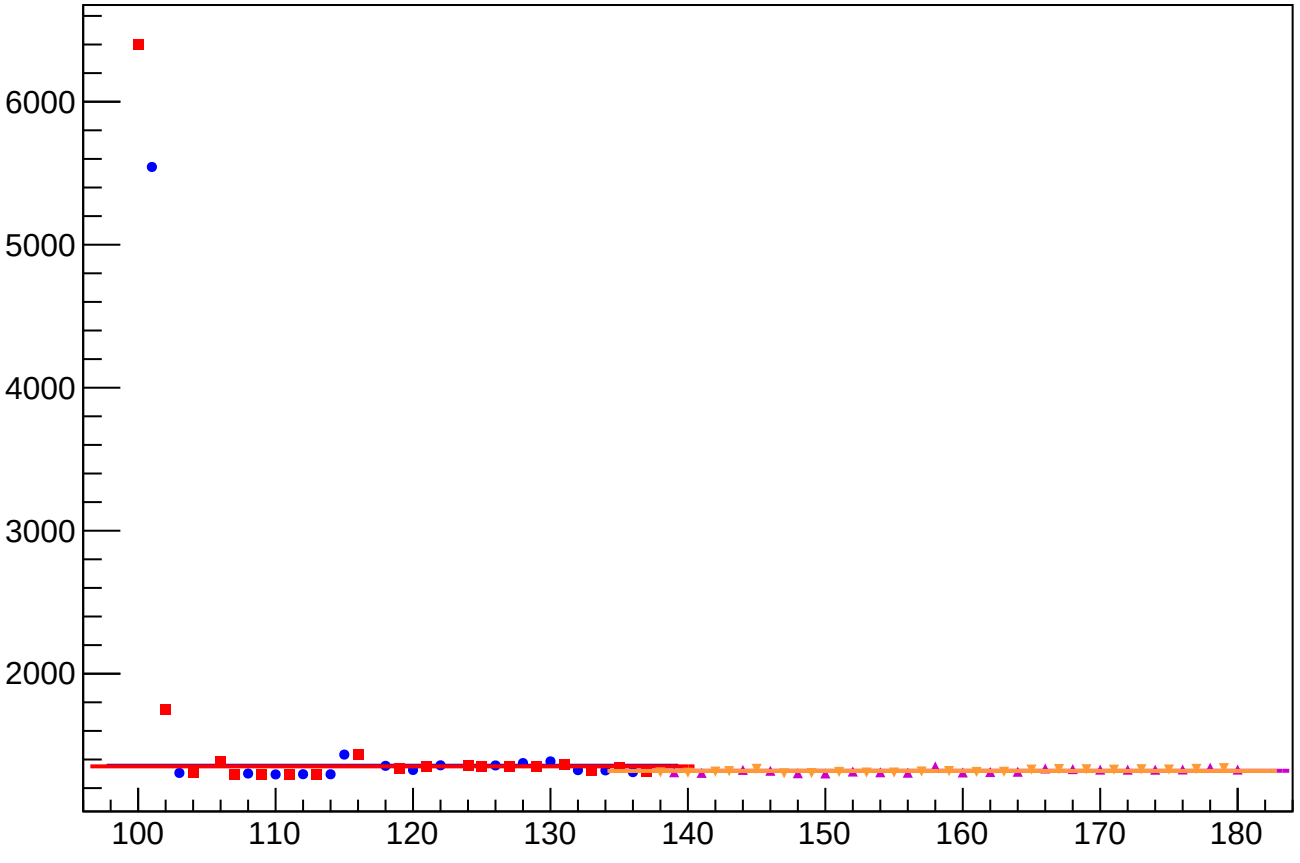
Left In: 31.378+/-318.095 χ^2/NDF:25.3/20

+ sign -96.745+/-269.504 χ^2/NDF: 44.3/37

All: -21.207+/-190.319 χ^2/NDF: 79.8/77

- 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: 1319.988+/-0.223 χ^2/NDF:2474.9/21

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

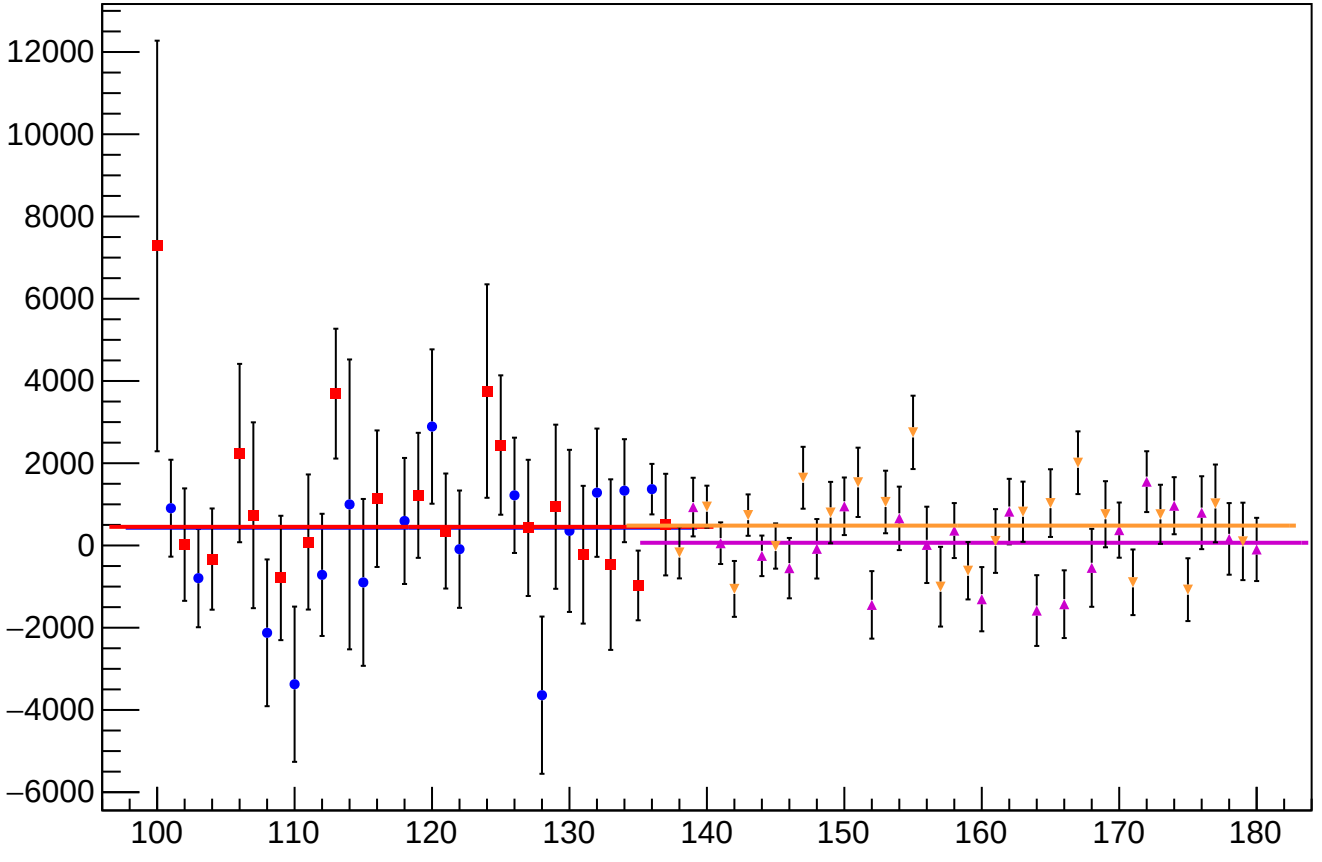
Left In: 1321.300+/-0.225 χ^2/NDF:3474.9/20

+ sign 1329.852+/-0.191 χ^2/NDF: 769949.8/37

All: 1329.977+/-0.135 χ^2/NDF: 926107.5/77

- 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: 483.007+/-153.241 χ^2/NDF:36.9/21

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

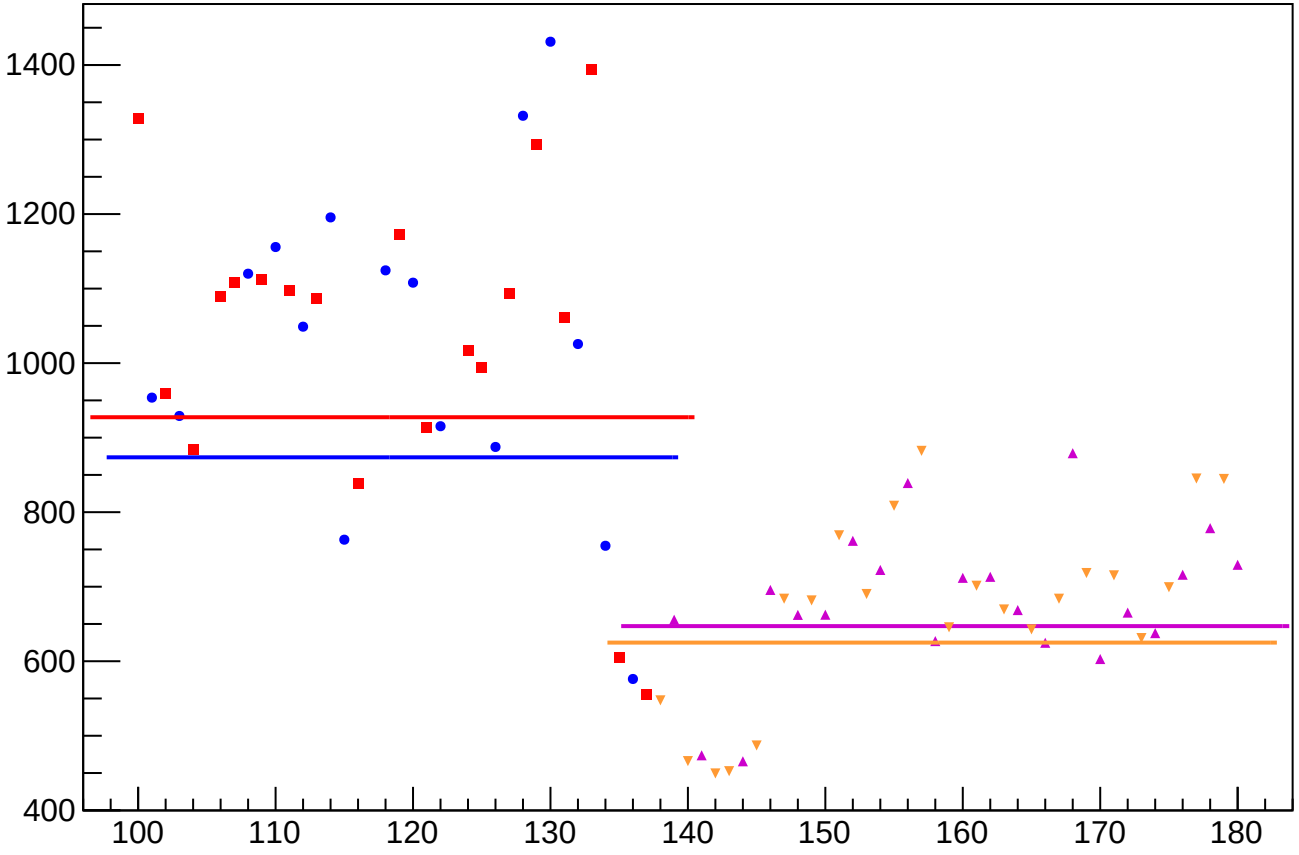
Left In: 65.435+/-158.289 χ^2/NDF:26.5/20

+ sign 474.350+/-139.595 χ^2/NDF: 55.2/37

All: 308.024+/-100.435 χ^2/NDF: 100.2/77

- 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: 625.000+/-0.108 χ^2/NDF:1371433.4/21

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

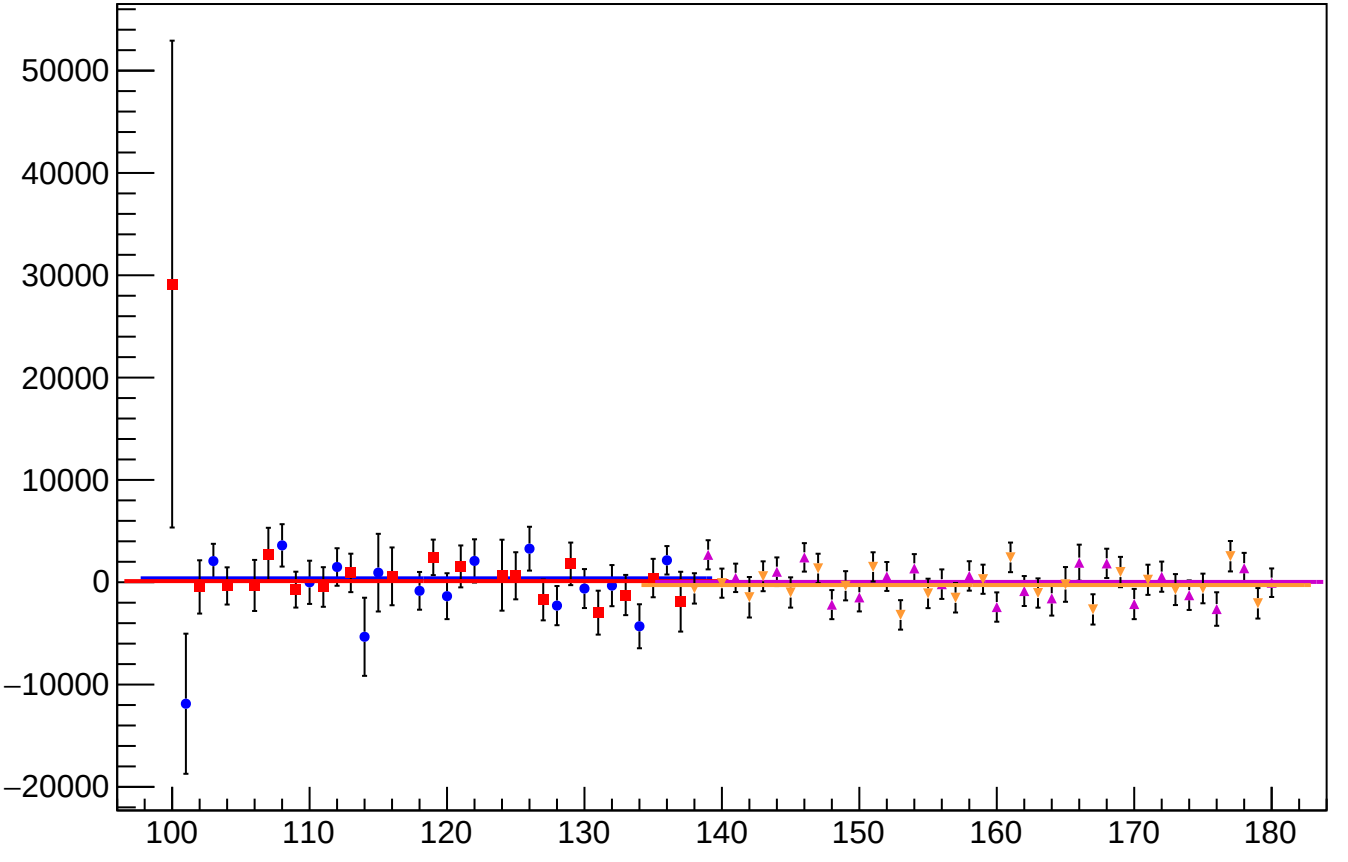
Left In: 647.117+/-0.112 χ^2/NDF:902333.1/20

+ sign 667.304+/-0.099 χ^2/NDF: 3281572.4/37

All: 679.926+/-0.071 χ^2/NDF: 6102267.5/77

- 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: -274.525+/-315.627 χ^2/NDF:21.6/21

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

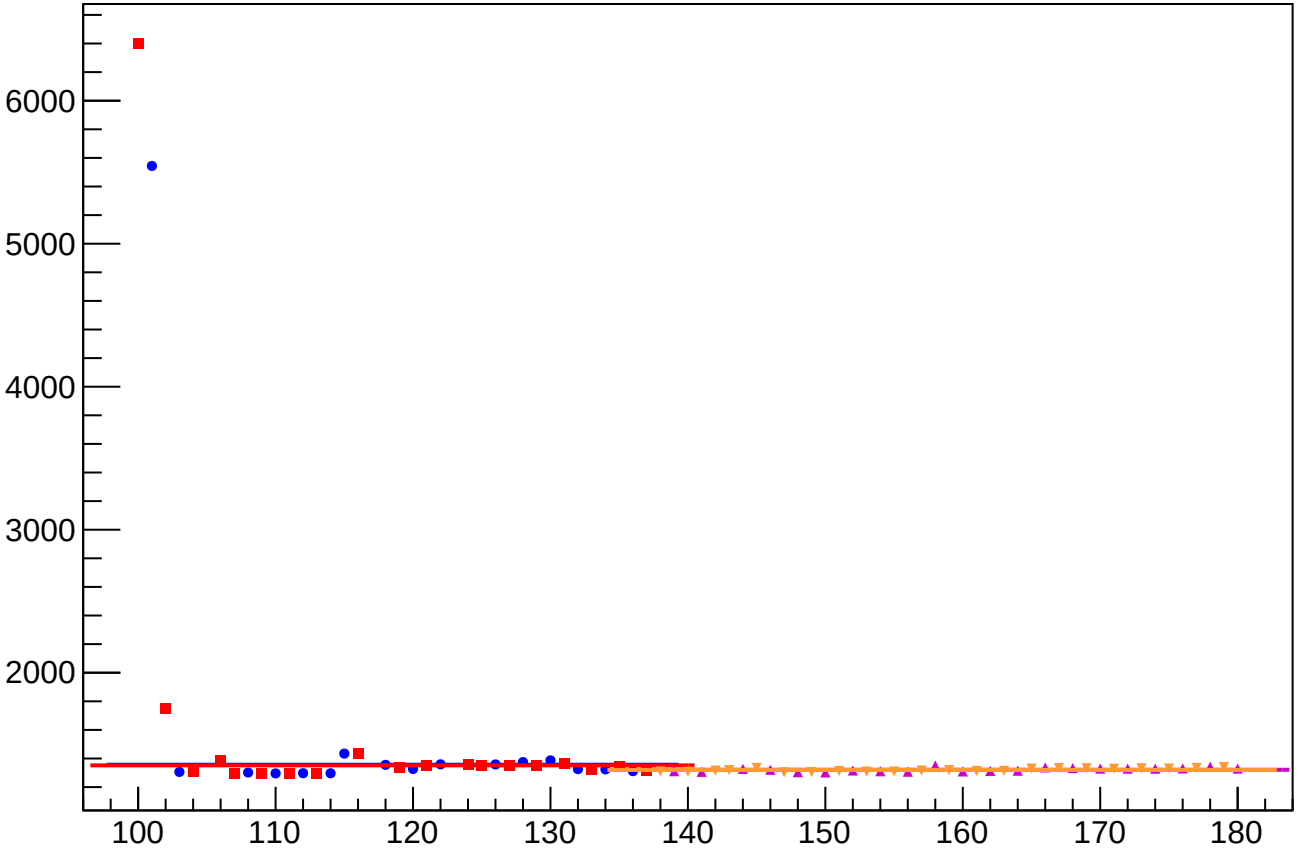
Left In: 31.378+/-318.095 χ^2/NDF:25.3/20

+ sign -96.745+/-269.504 χ^2/NDF: 44.3/37

All: -21.207+/-190.319 χ^2/NDF: 79.8/77

- 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: 1319.988+/-0.223 χ^2/NDF:2474.9/21

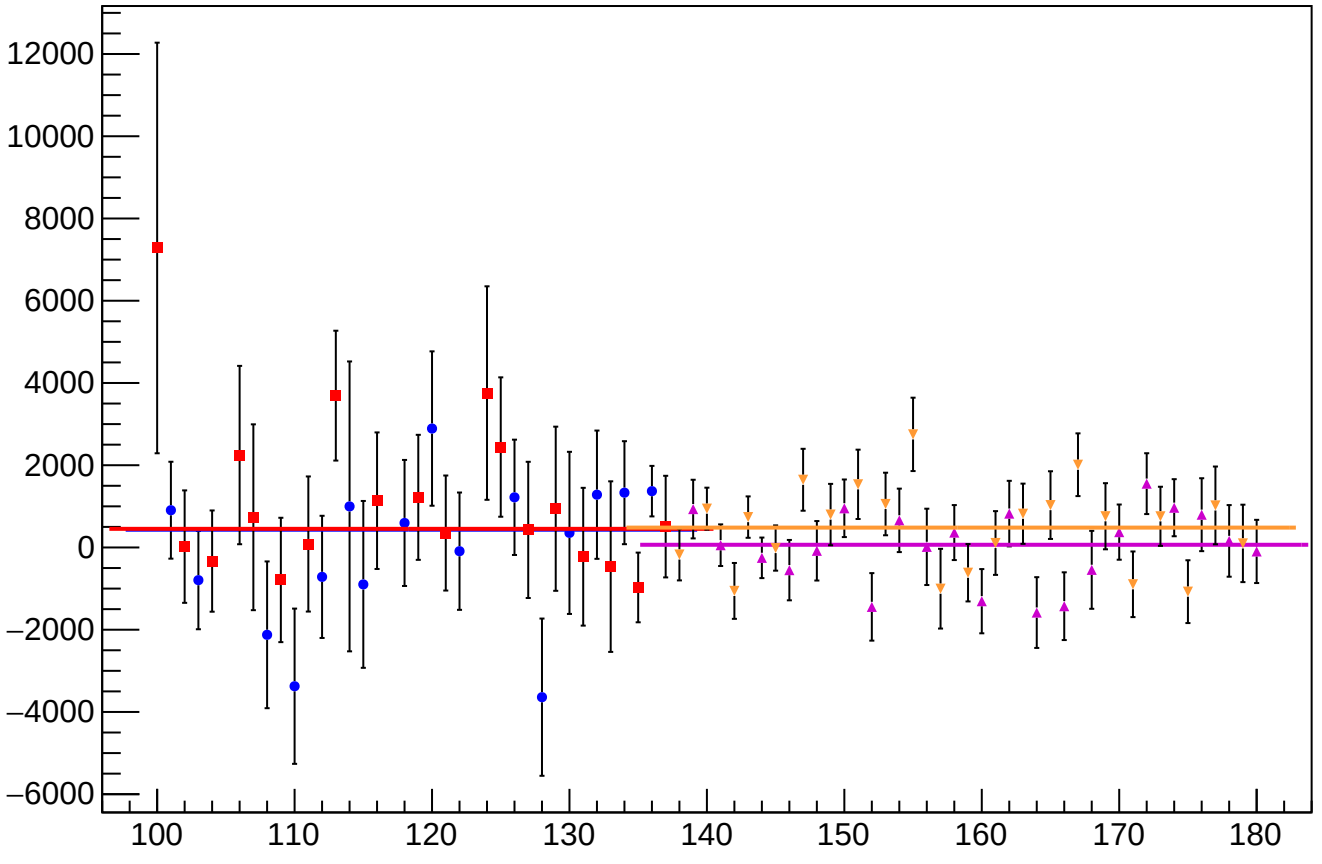
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.300+/-0.225 χ^2/NDF:3474.9/20

+ sign 1329.852+/-0.191 χ^2/NDF: 769949.8/37

All: 1329.977+/-0.135 χ^2/NDF: 926107.5/77

- 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: 483.007+/-153.241 χ^2/NDF:36.9/21

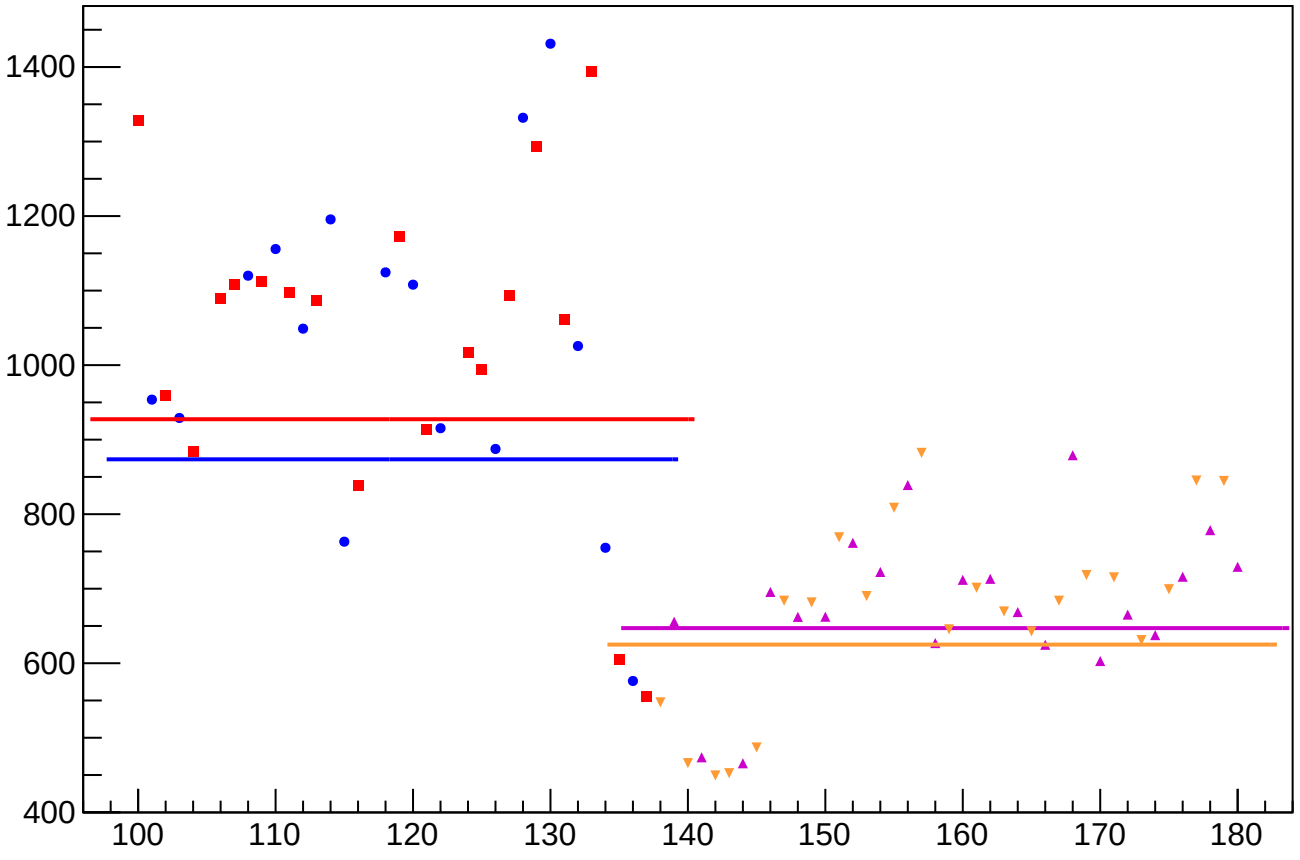
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 65.435+/-158.289 χ^2/NDF:26.5/20

+ sign 474.350+/-139.595 χ^2/NDF: 55.2/37

All: 308.024+/-100.435 χ^2/NDF: 100.2/77

- 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: 625.000+/-0.108 χ^2/NDF:1371433.4/21

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

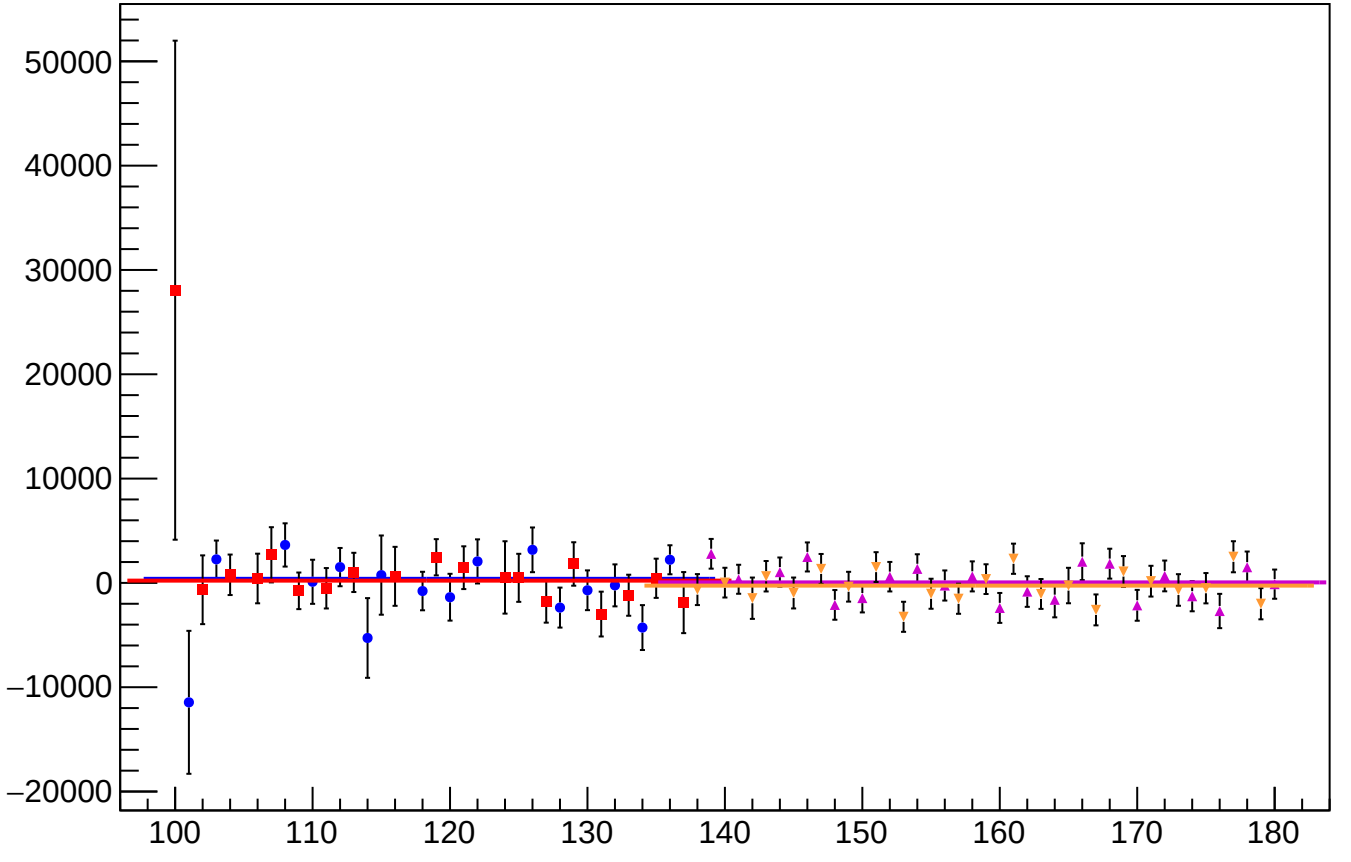
Left In: 647.117+/-0.112 χ^2/NDF:902333.1/20

+ sign 667.304+/-0.099 χ^2/NDF: 3281572.4/37

All: 679.926+/-0.071 χ^2/NDF: 6102267.5/77

- 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: -260.227+/-315.946 χ^2/NDF:21.2/21

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

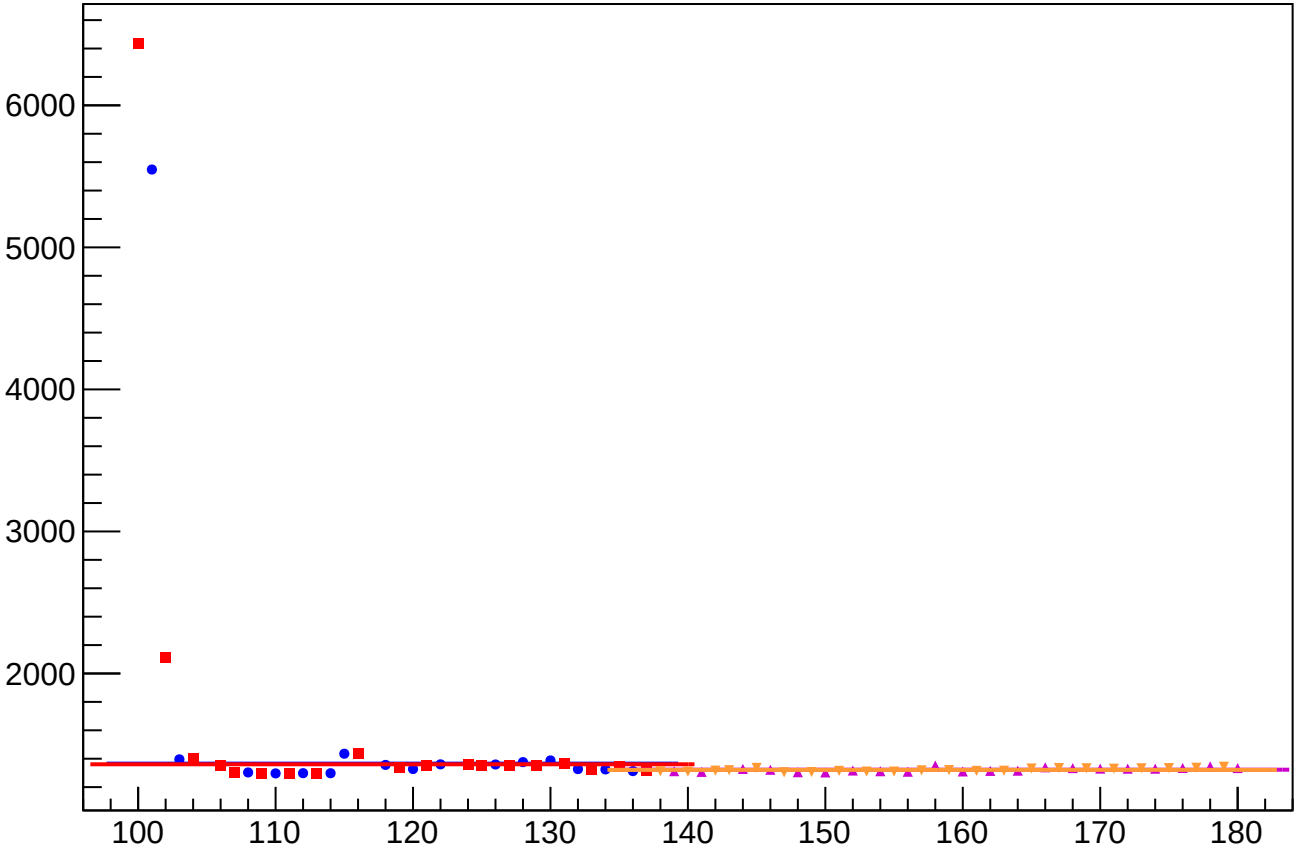
Left In: 48.452+/-318.435 χ^2/NDF:26.1/20

\+ sign -85.491+/-270.175 χ^2/NDF: 43.7/37

All: 5.552+/-190.909 χ^2/NDF: 80.1/77

\- 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: 1321.319+/-0.223 χ^2/NDF:2669.6/21

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

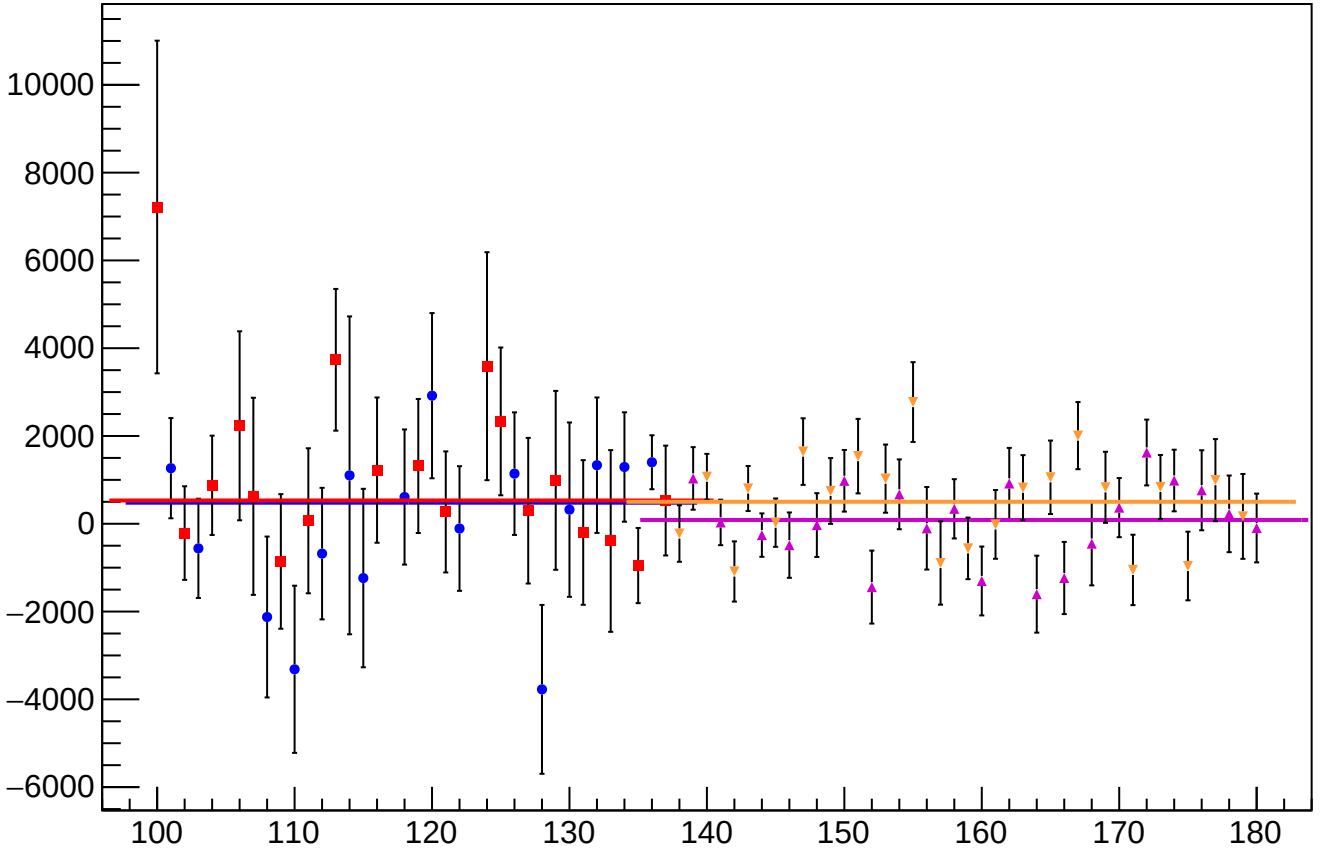
Left In: 1322.707+/-0.225 χ^2/NDF:3721.1/20

+ sign 1333.139+/-0.191 χ^2/NDF: 772031.0/37

All: 1333.293+/-0.135 χ^2/NDF: 989131.6/77

- 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: 500.798+/-155.009 χ^2/NDF:36.9/21

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

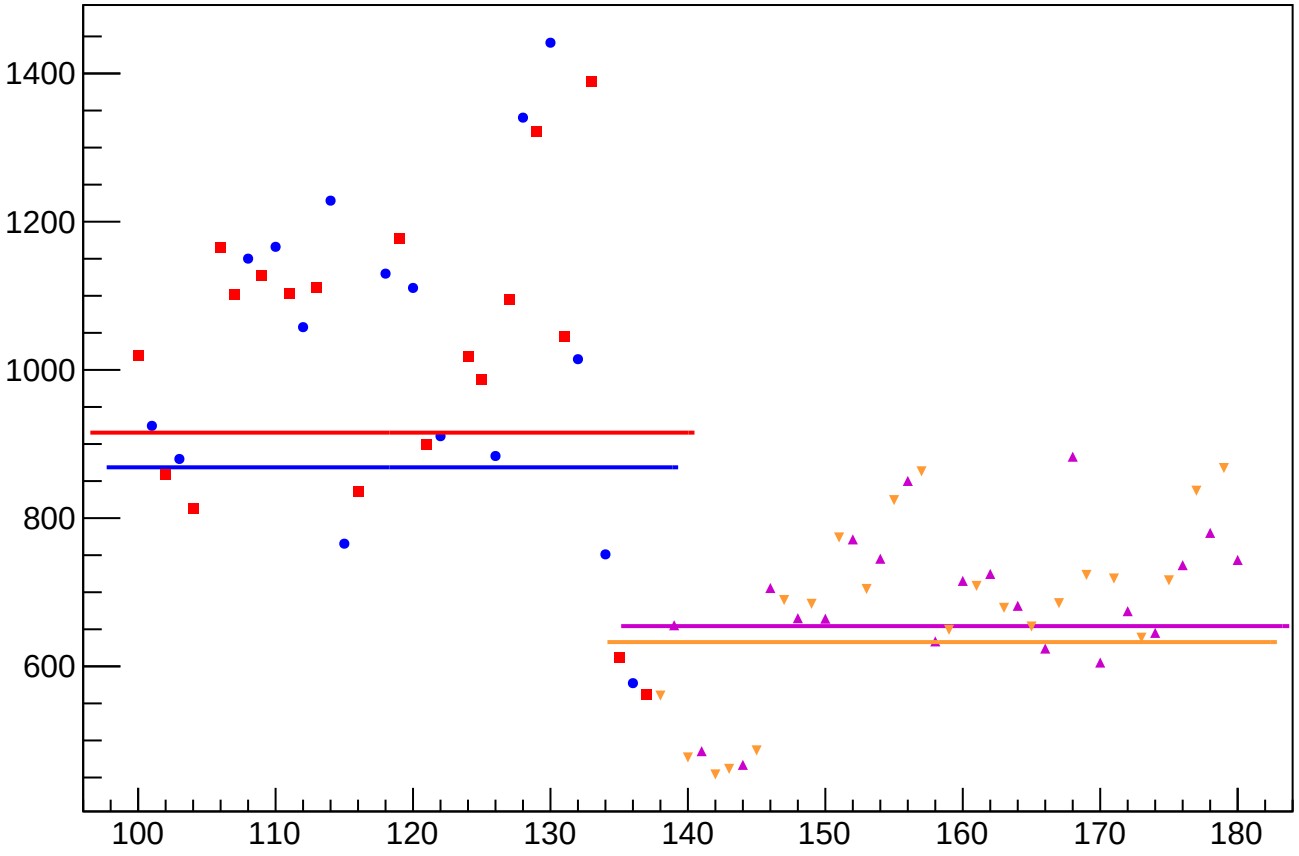
Left In: 86.360+/-160.021 χ^2/NDF:26.1/20

+ sign 497.228+/-140.791 χ^2/NDF: 55.5/37

All: 336.089+/-101.093 χ^2/NDF: 101.3/77

- 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: 632.756+/-0.110 χ^2/NDF:1323391.9/21

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

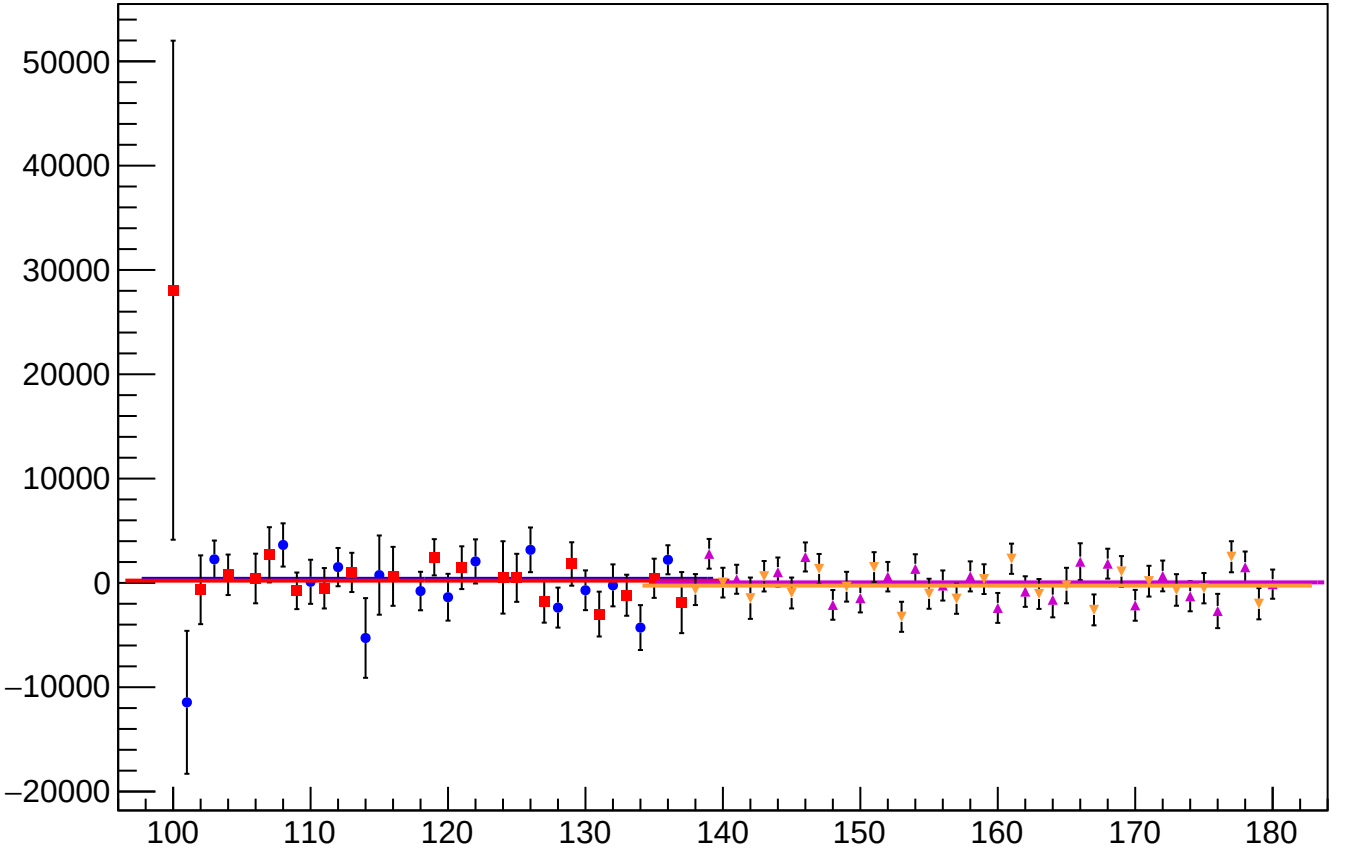
Left In: 654.303+/-0.113 χ^2/NDF:906952.6/20

+ sign 674.032+/-0.100 χ^2/NDF: 3154925.2/37

All: 686.747+/-0.071 χ^2/NDF: 5891915.7/77

- 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: -260.228+/-315.946 χ^2/NDF:21.2/21

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

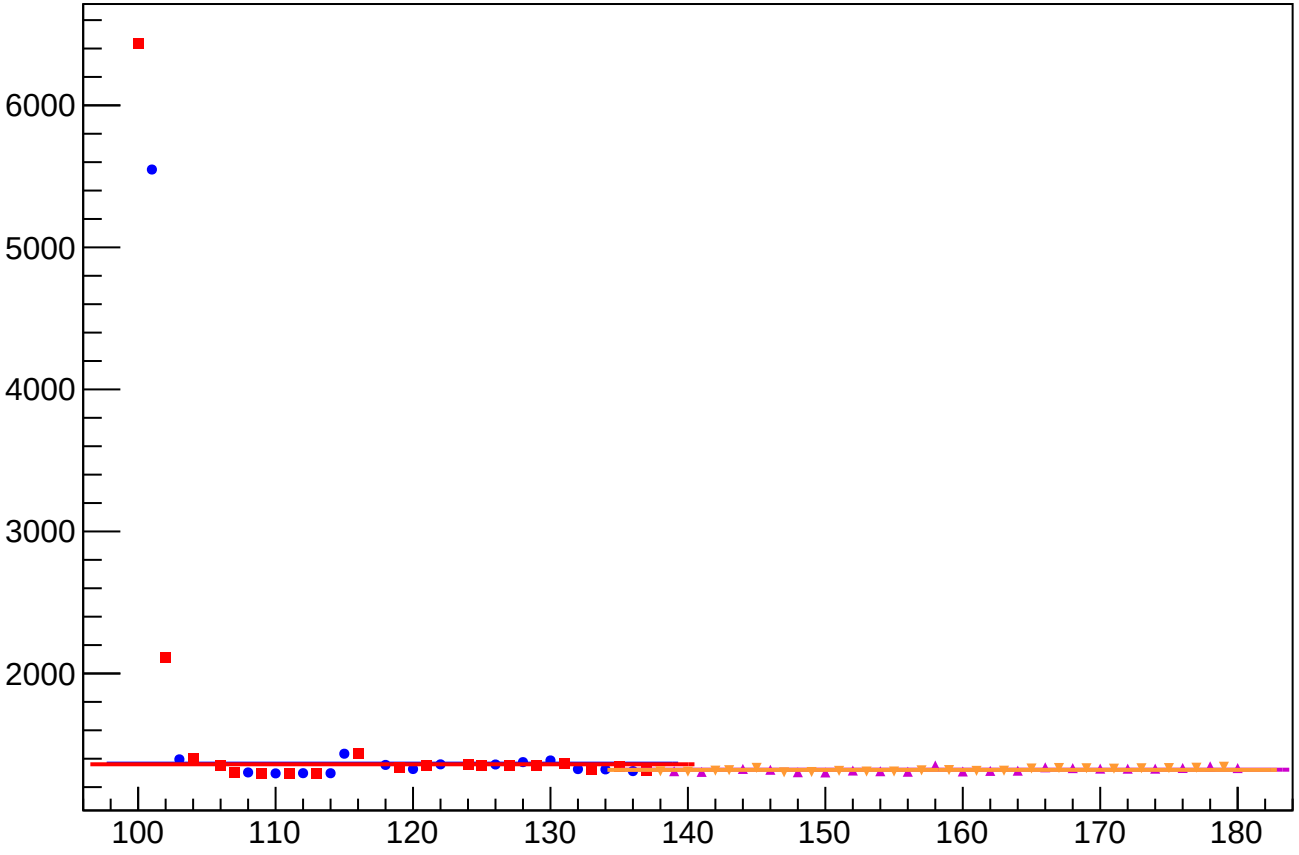
Left In: 48.452+/-318.435 χ^2/NDF:26.1/20

\+ sign -85.492+/-270.175 χ^2/NDF: 43.7/37

All: 5.551+/-190.909 χ^2/NDF: 80.1/77

\- 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: 1321.319+/-0.223 χ^2/NDF:2669.6/21

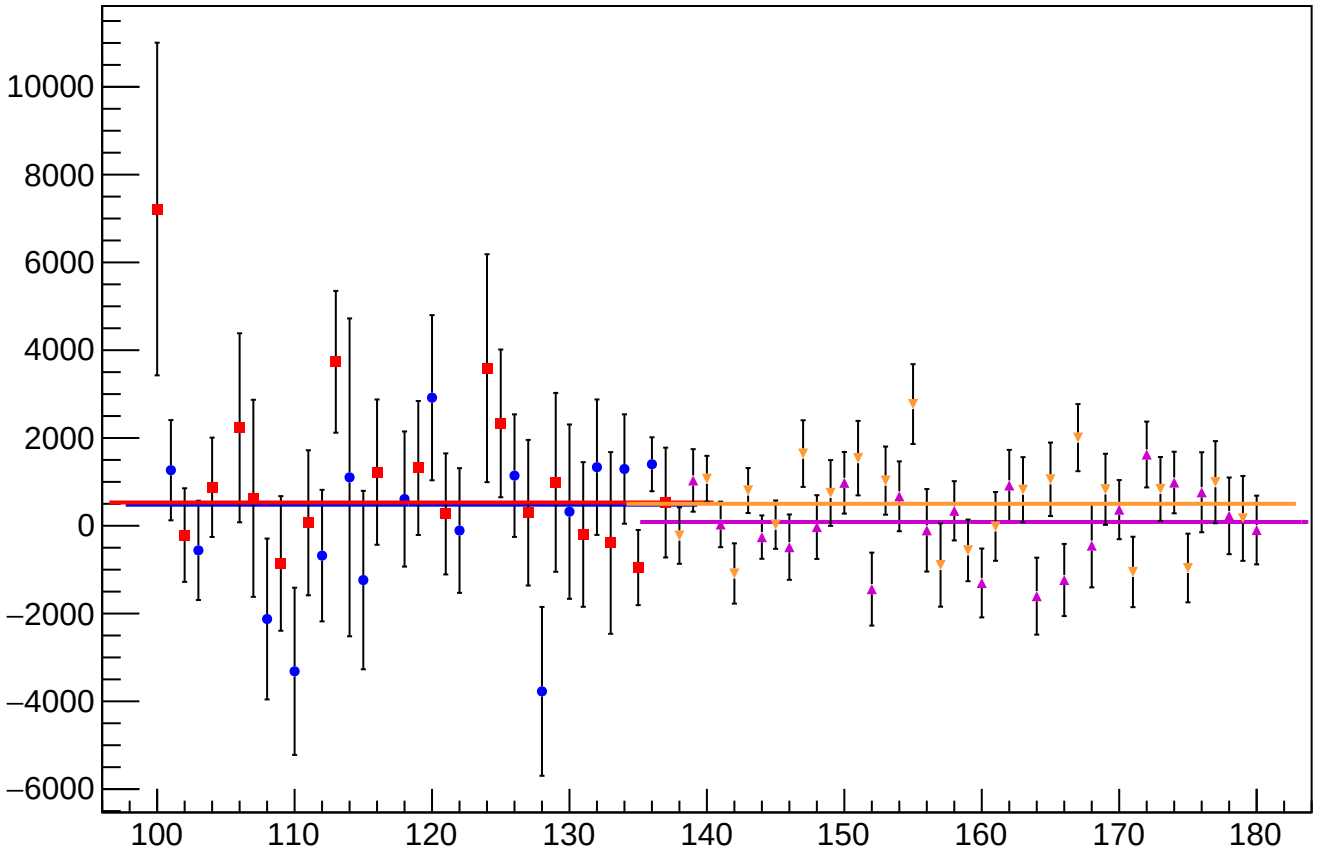
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1322.707+/-0.225 χ^2/NDF:3721.1/20

+ sign 1333.139+/-0.191 χ^2/NDF: 772031.0/37

All: 1333.293+/-0.135 χ^2/NDF: 989131.5/77

- 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: 500.798+/-155.009 χ^2/NDF:36.9/21

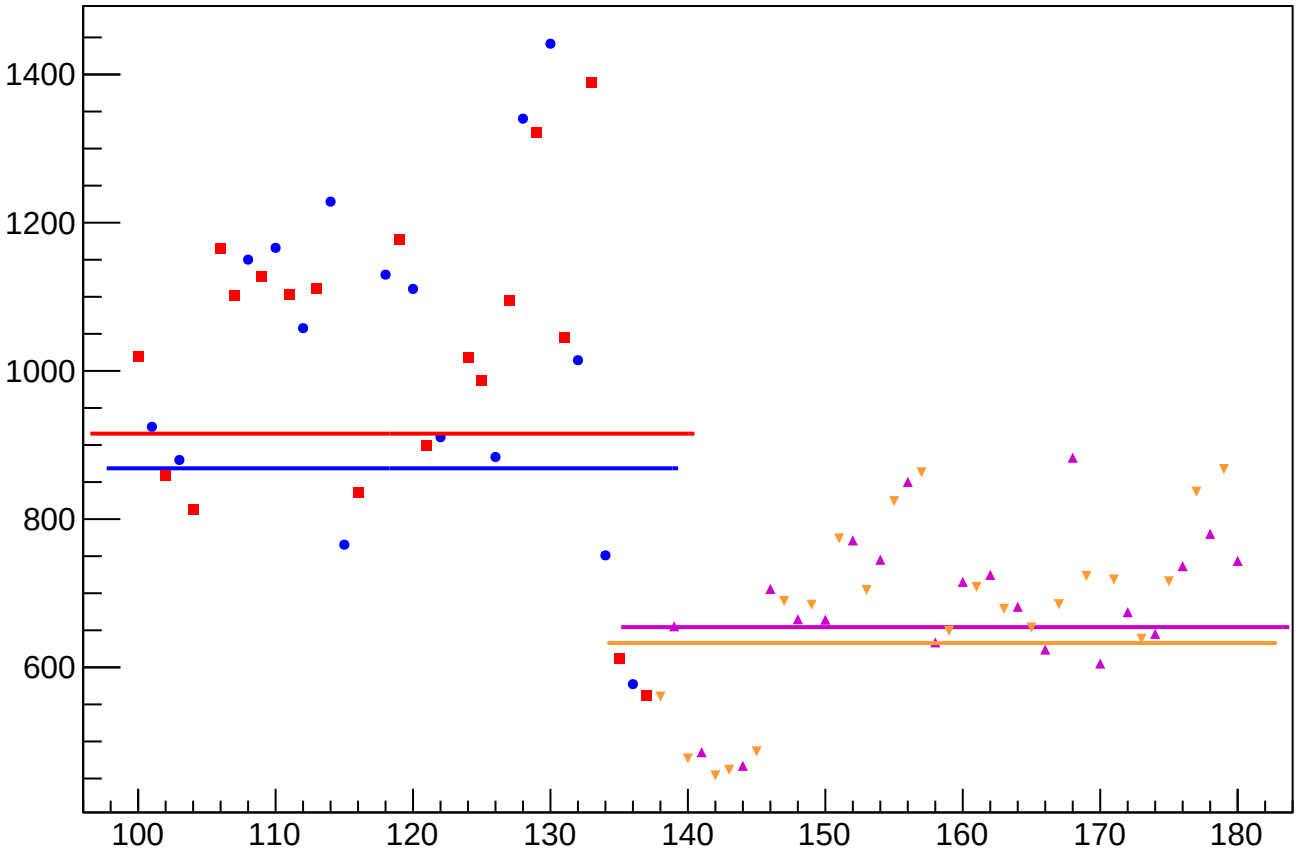
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 86.360+/-160.021 χ^2/NDF:26.1/20

\+ sign 497.228+/-140.791 χ^2/NDF: 55.5/37

All: 336.089+/-101.093 χ^2/NDF: 101.3/77

\- 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: 632.756+/-0.110 χ^2/NDF:1323411.9/21

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

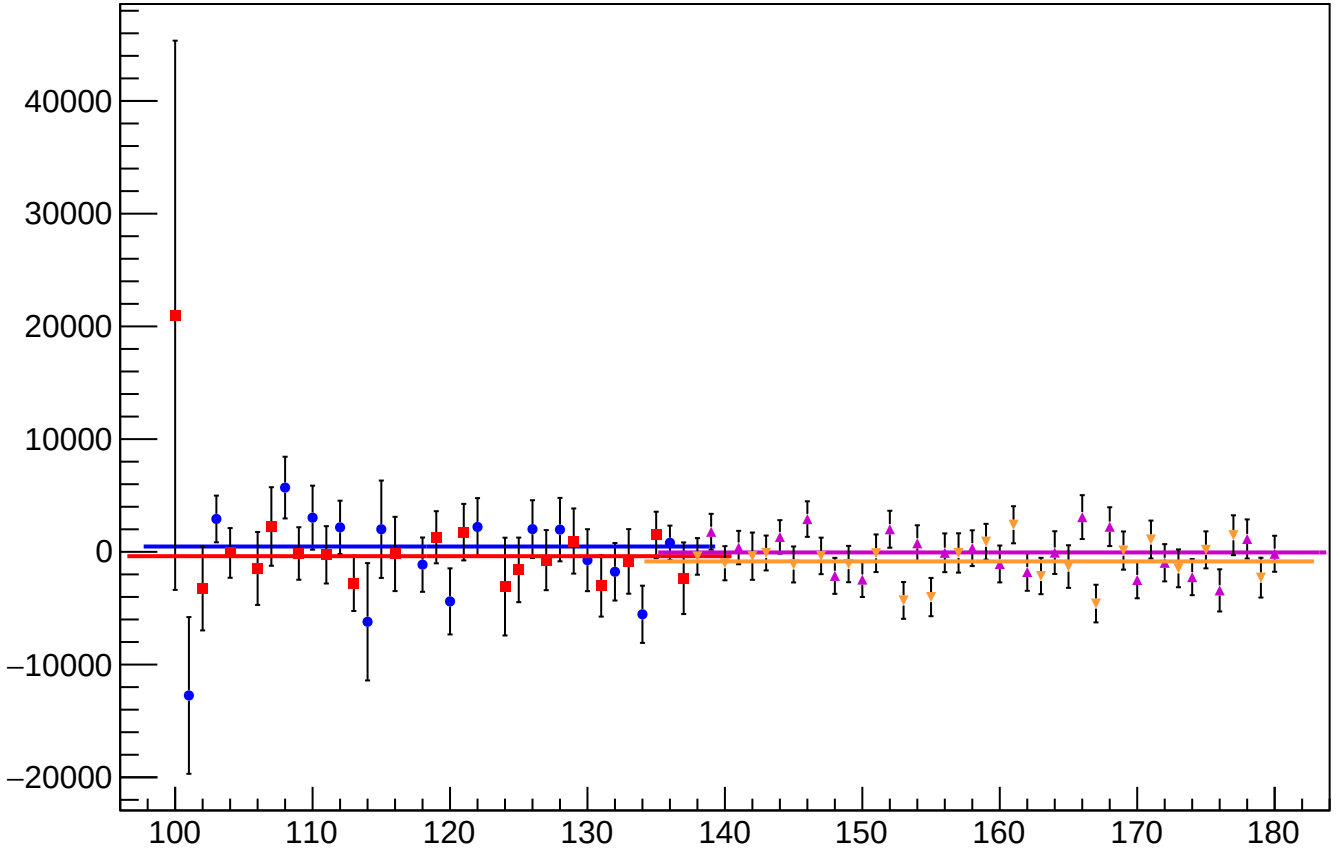
Left In: 654.304+/-0.113 χ^2/NDF:906961.2/20

+ sign 674.032+/-0.100 χ^2/NDF: 3154927.7/37

All: 686.747+/-0.071 χ^2/NDF: 5891909.1/77

- 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: -847.581+/-356.074 χ^2/NDF:24.3/21

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

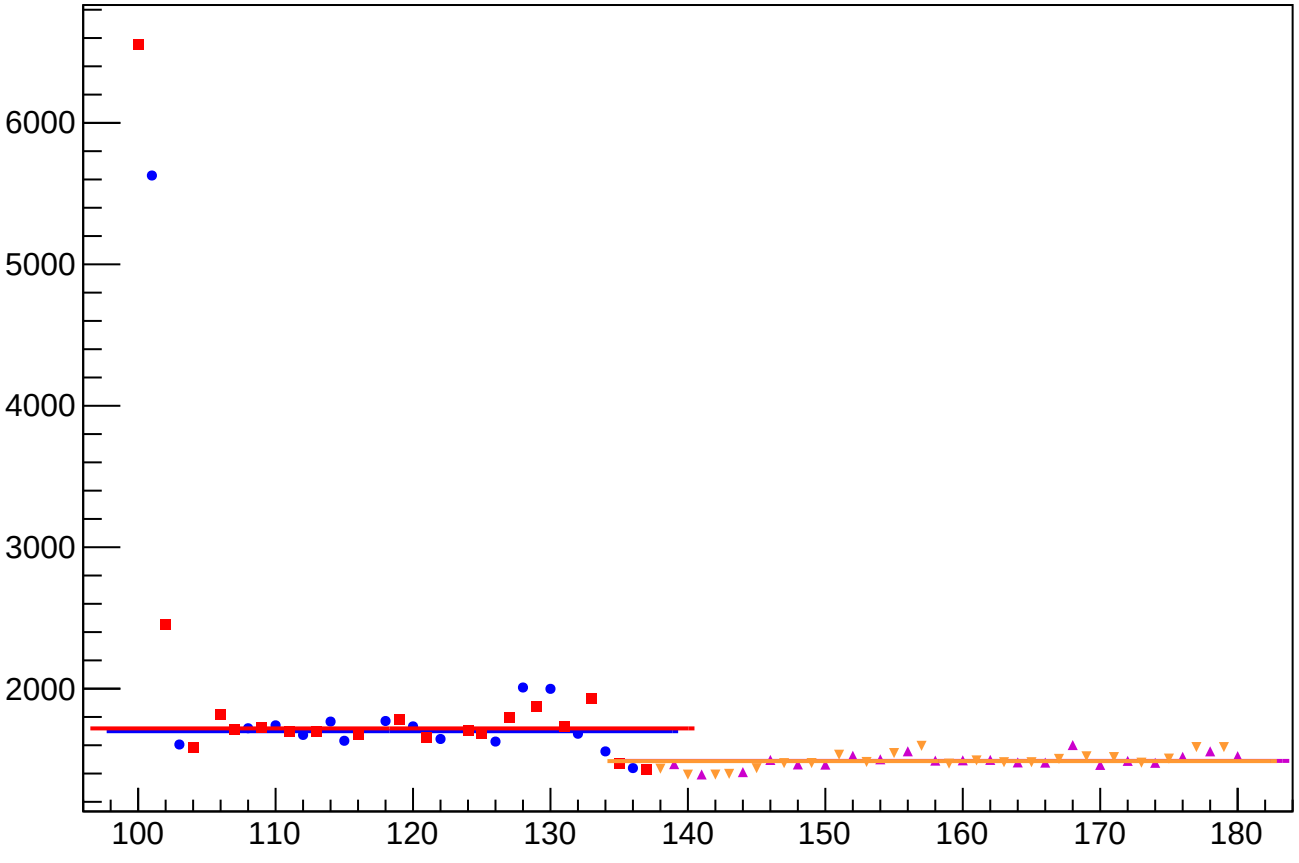
Left In: -52.358+/-358.752 χ^2/NDF:25.8/20

+ sign -542.098+/-312.203 χ^2/NDF: 50.1/37

All: -337.417+/-221.103 χ^2/NDF: 84.2/77

- 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: 1487.878+/-0.252 χ^2/NDF:49490.7/21

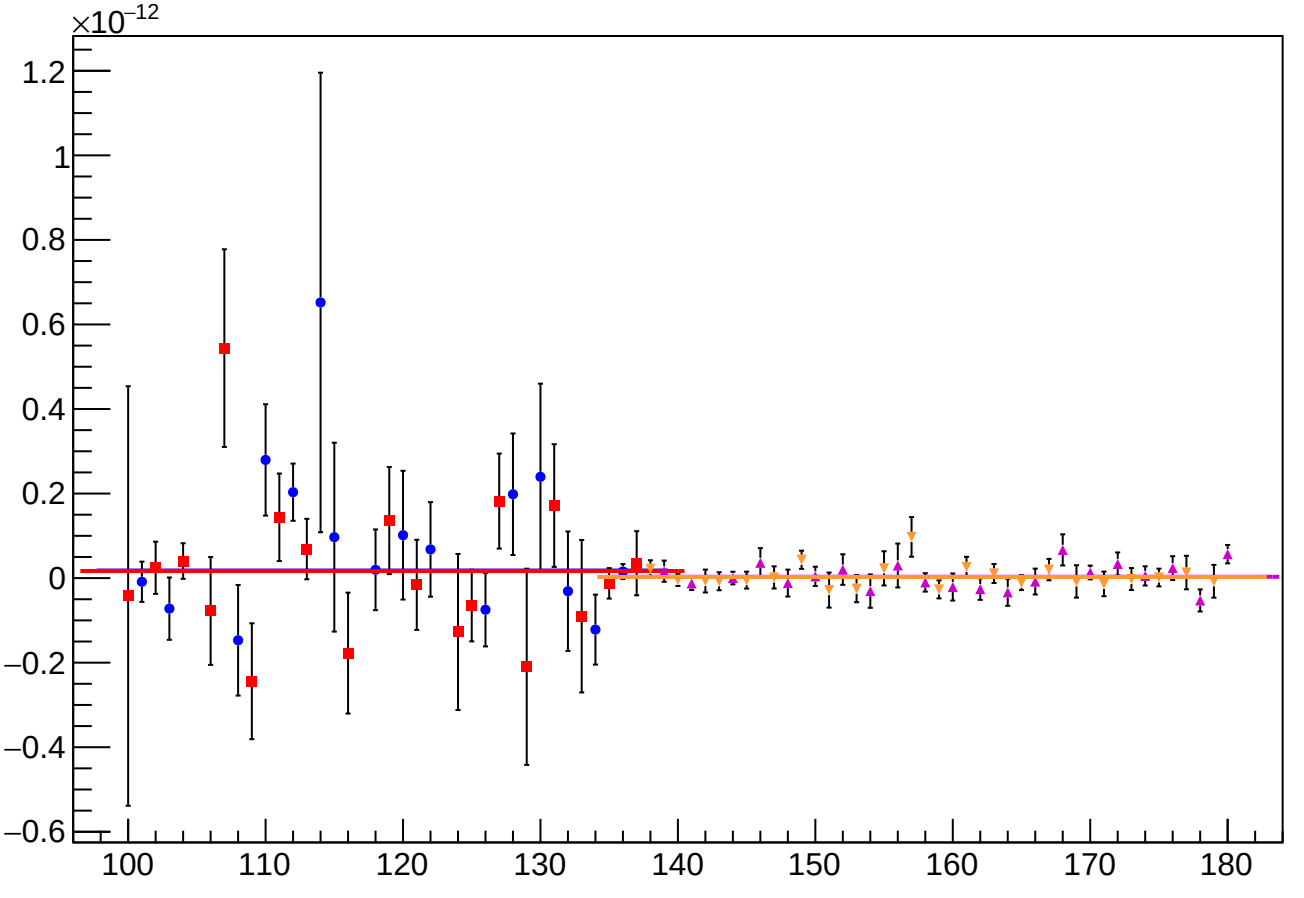
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1489.339+/-0.254 χ^2/NDF:33564.8/20

+ sign 1536.774+/-0.221 χ^2/NDF: 974678.9/37

All: 1540.383+/-0.156 χ^2/NDF: 1437744.6/77

- sign 1544.014+/-0.221 χ^2/NDF: 462529.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/21

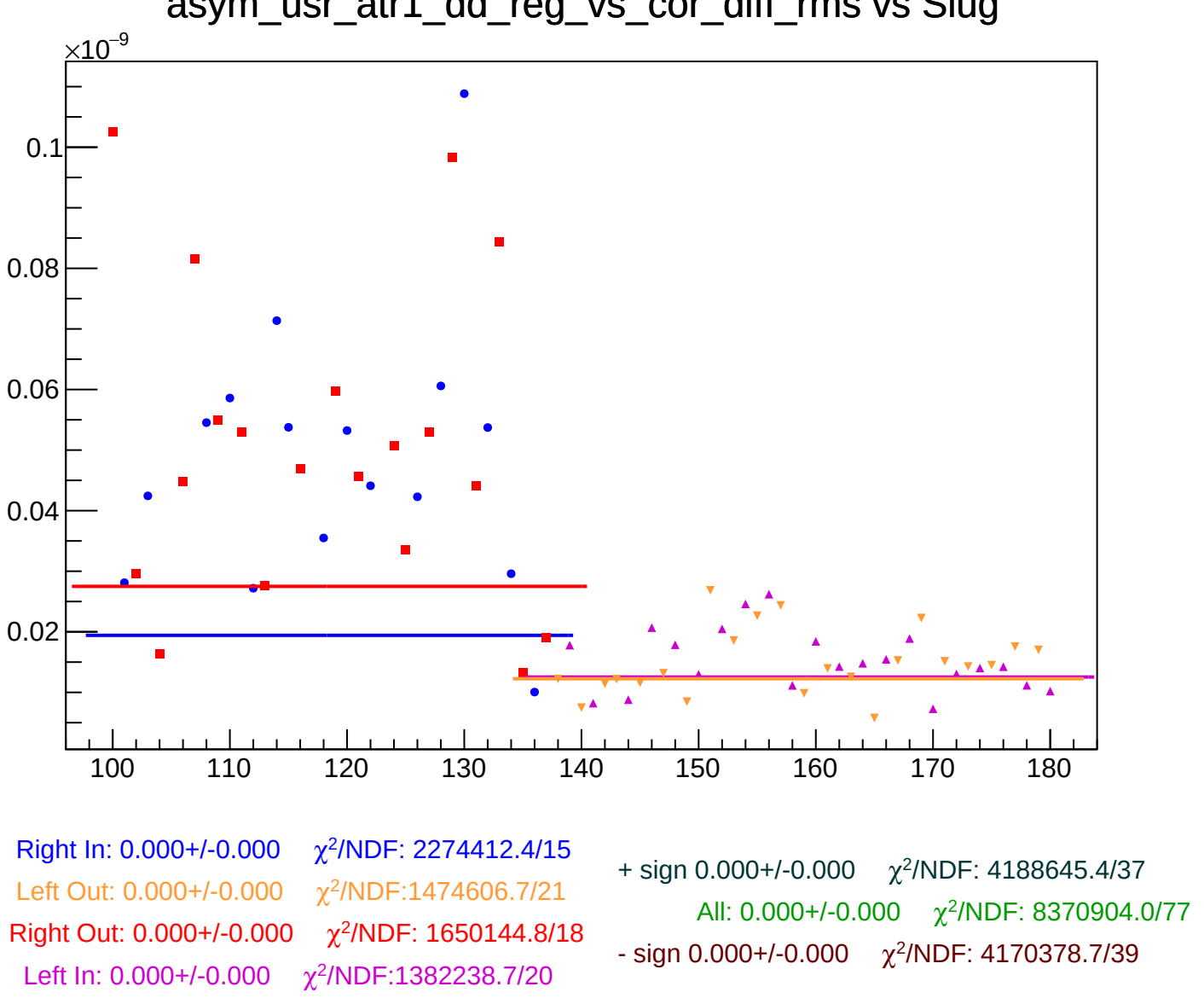
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

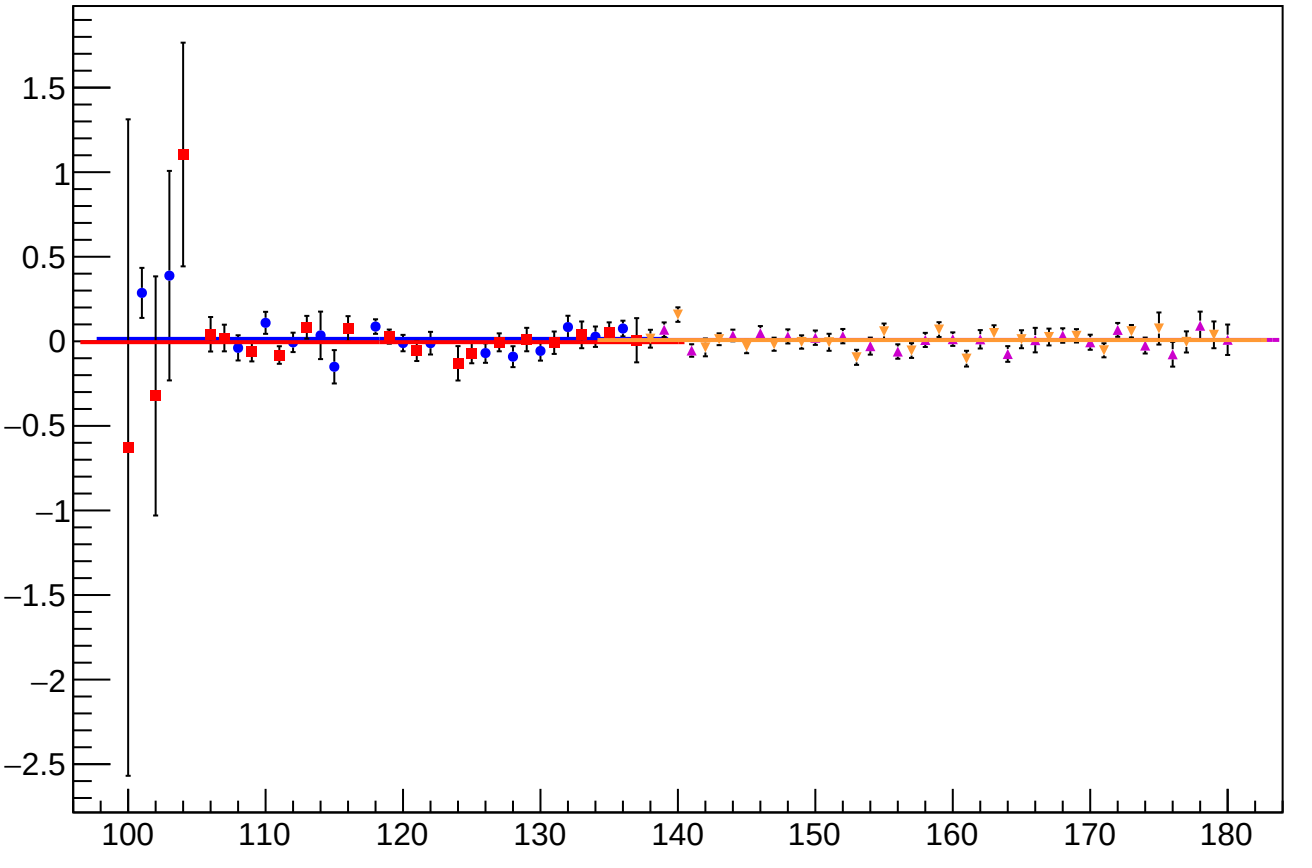
Left In: 0.000+/-0.000 χ^2/NDF:23.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 40.1/37

All: 0.000+/-0.000 χ^2/NDF: 85.1/77

- 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:1474606.7/21
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: 4188645.4/37
All: 0.000+/-0.000 χ²/NDF: 8370904.0/77
- 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:36.6/21

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

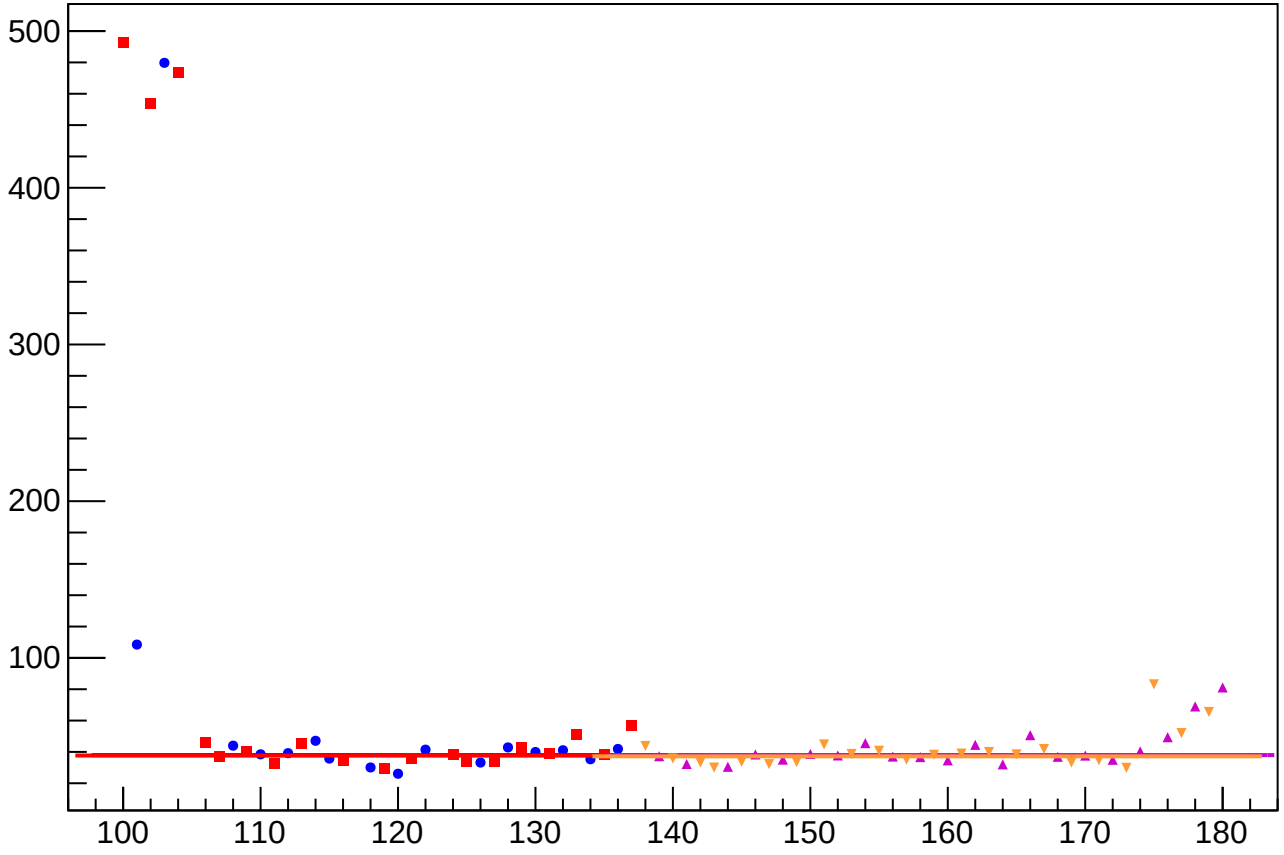
Left In: 0.008+/-0.010 χ^2/NDF:18.7/20

+ sign 0.009+/-0.008 χ^2/NDF: 58.8/37

All: 0.007+/-0.006 χ^2/NDF: 93.0/77

- 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: 37.173+/-0.007 χ^2/NDF:1230356.6/21

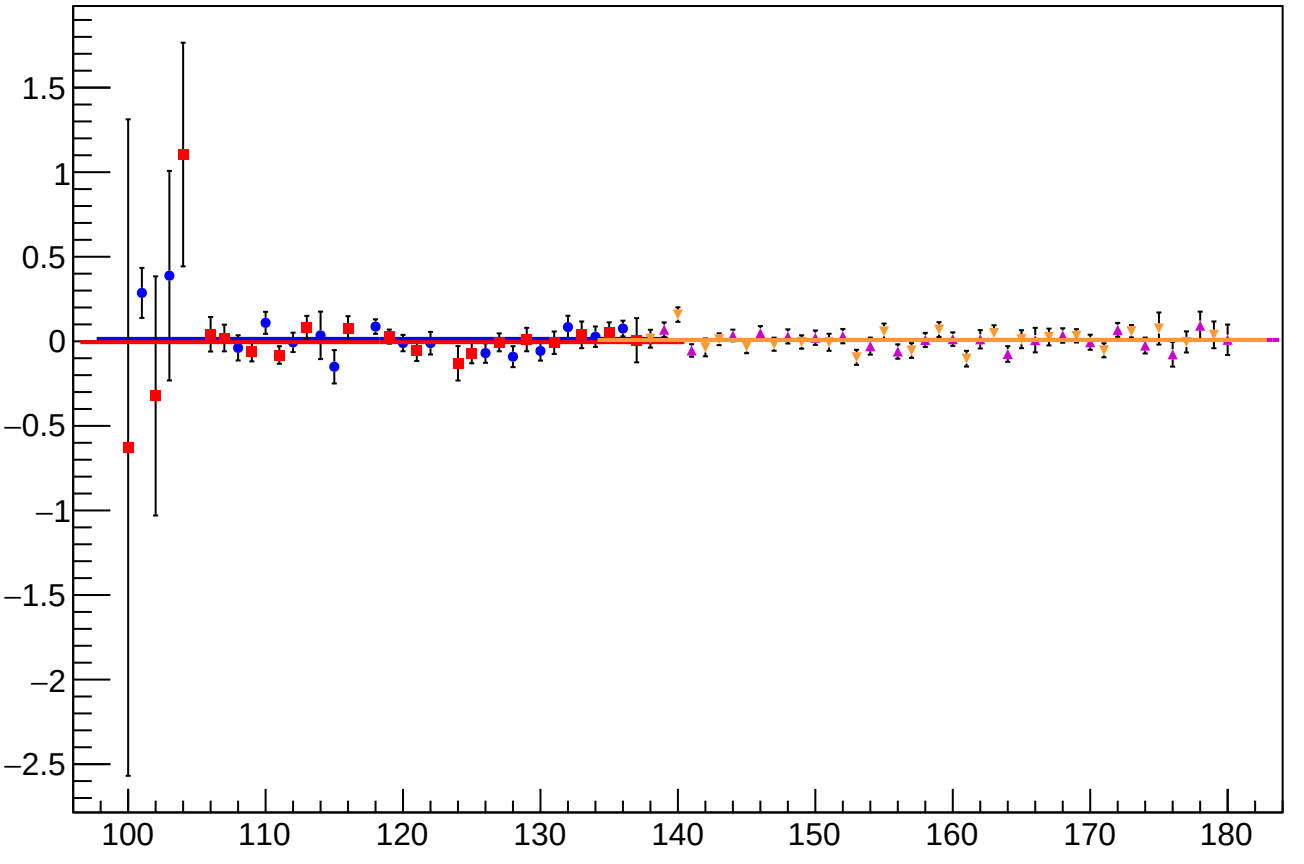
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.986+/-0.007 χ^2/NDF:1141266.4/20

\+ sign 37.382+/-0.006 χ^2/NDF: 2973419.1/37

All: 37.638+/-0.004 χ^2/NDF: 6063920.0/77

\- 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:36.6/21

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

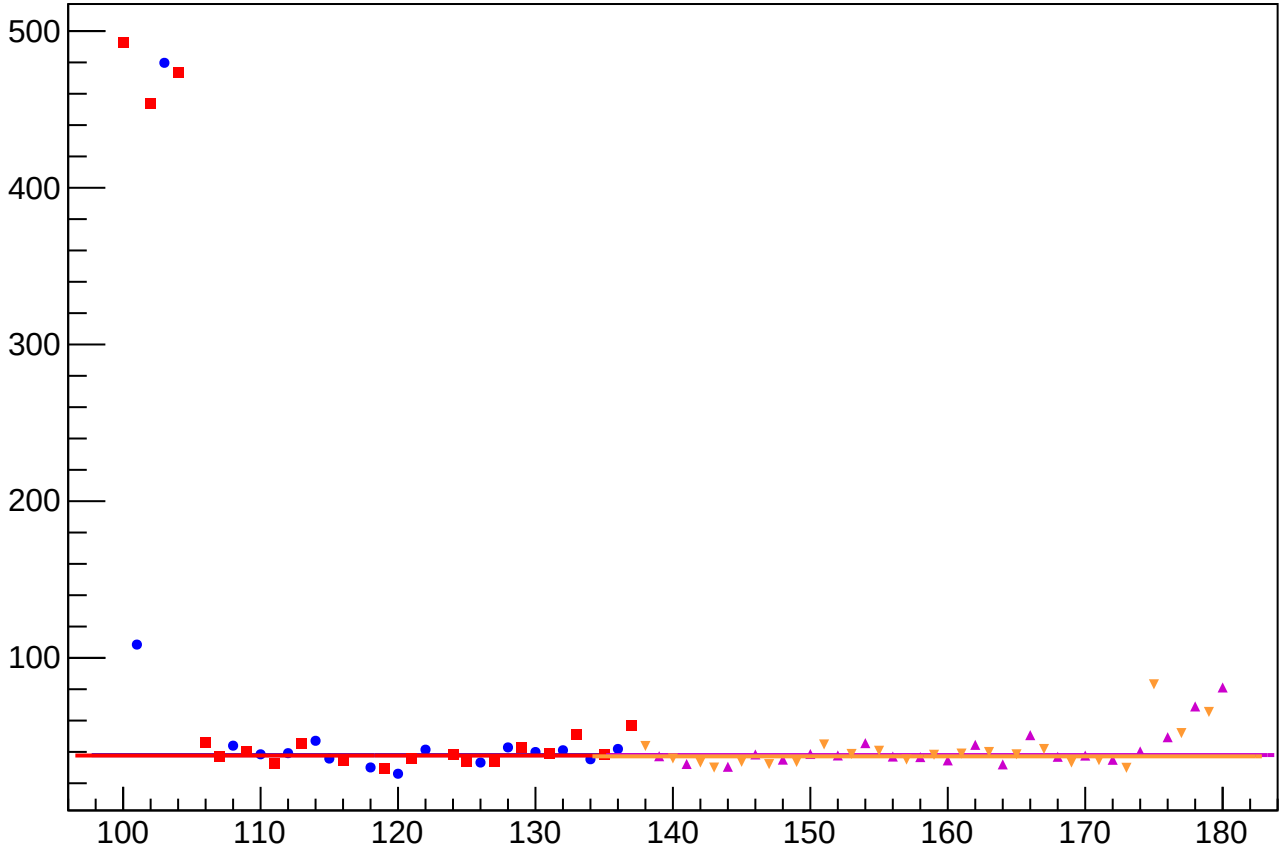
Left In: 0.008+/-0.010 χ^2/NDF:18.7/20

+ sign 0.009+/-0.008 χ^2/NDF: 58.8/37

All: 0.007+/-0.006 χ^2/NDF: 93.0/77

- sign 0.005+/-0.008 χ^2/NDF: 34.0/39

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230356.6/21

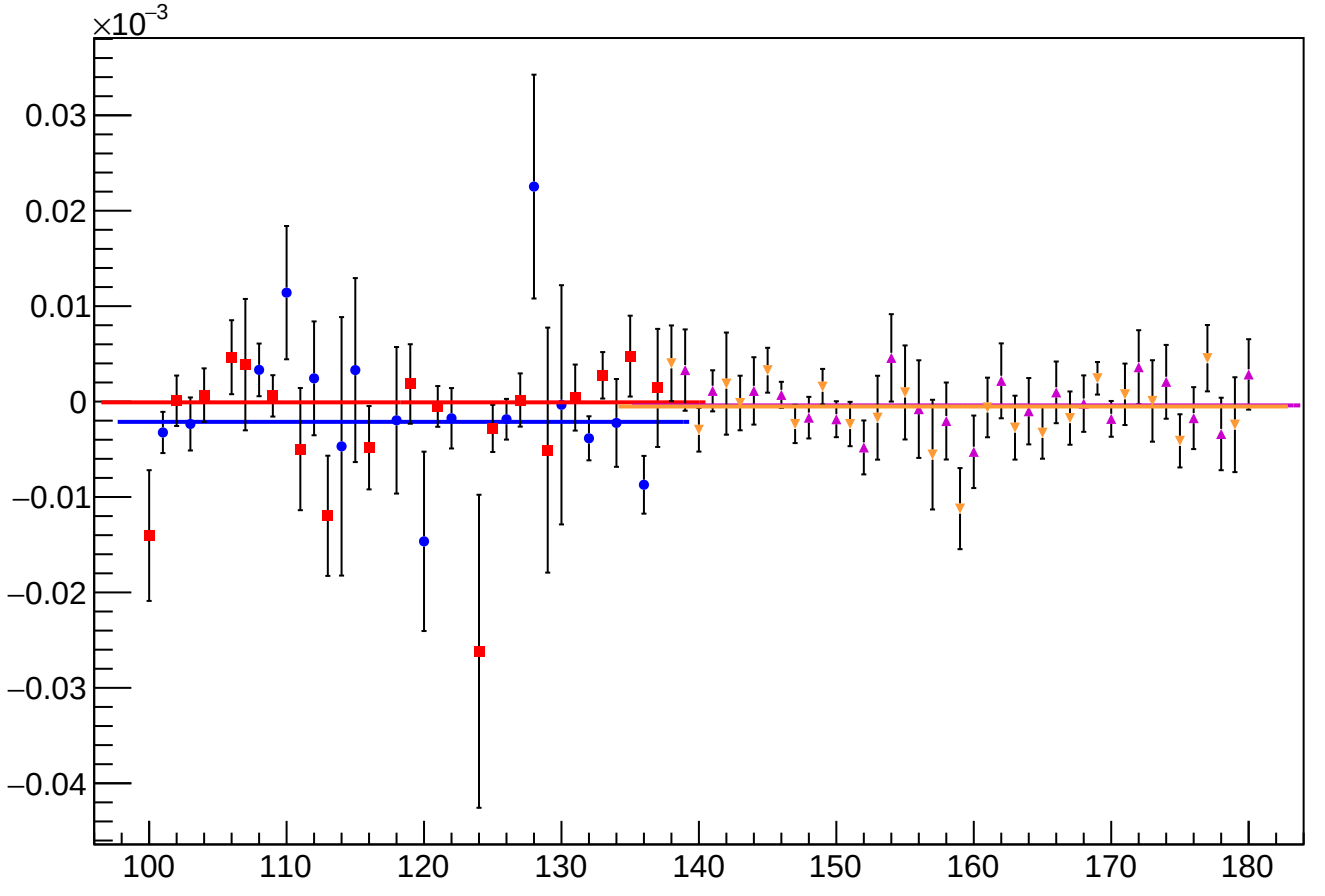
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.986+/-0.007 χ^2/NDF:1141266.4/20

\+ sign 37.382+/-0.006 χ^2/NDF: 2973419.1/37

All: 37.638+/-0.004 χ^2/NDF: 6063920.0/77

\- 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:24.0/21

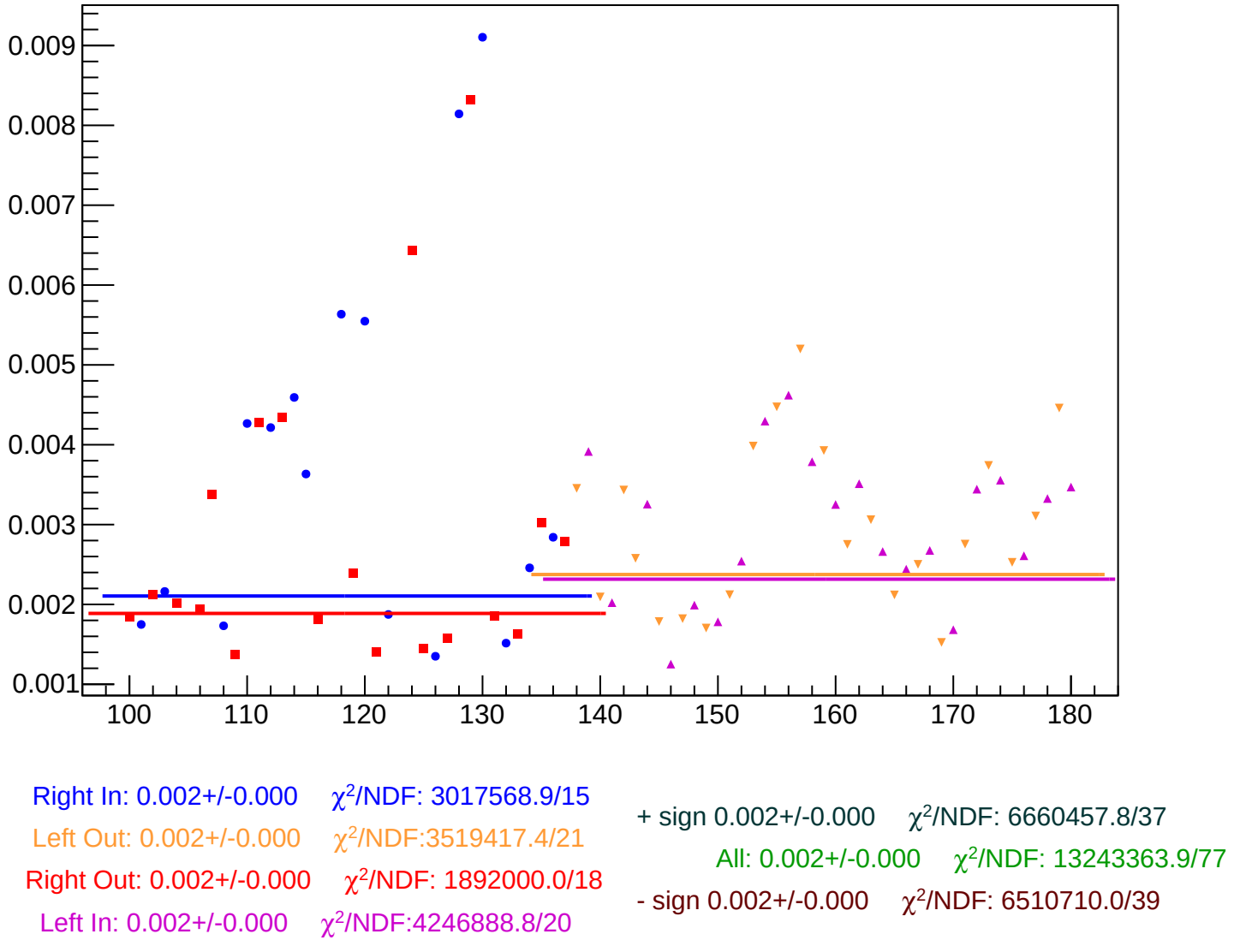
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

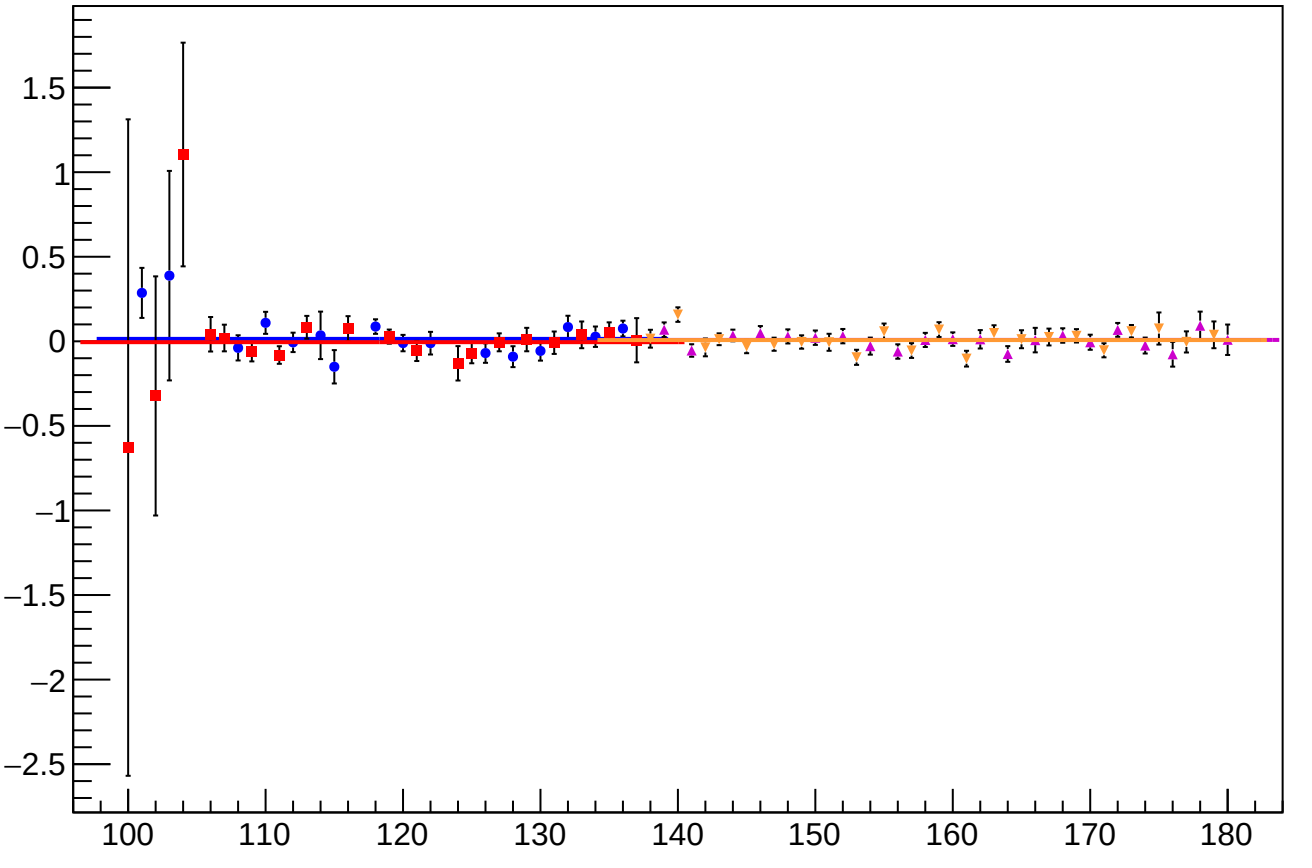
Left In: -0.000+/-0.000 χ^2/NDF:12.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/37

All: -0.000+/-0.000 χ^2/NDF: 79.0/77

- 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:3519417.4/21
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: 6660457.8/37
All: 0.002+/-0.000 χ²/NDF: 13243363.9/77
- 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:36.6/21

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

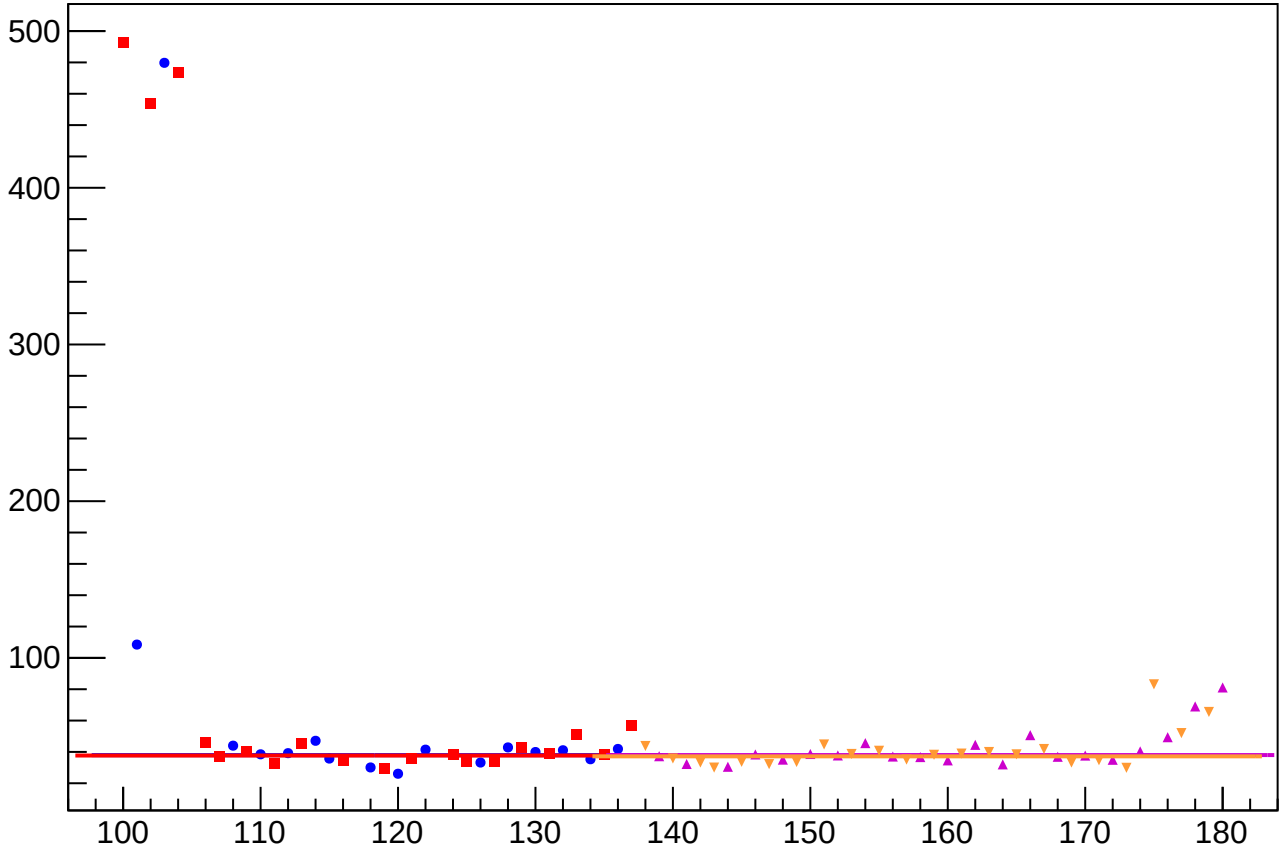
Left In: 0.008+/-0.010 χ^2/NDF:18.7/20

+ sign 0.009+/-0.008 χ^2/NDF: 58.8/37

All: 0.007+/-0.006 χ^2/NDF: 93.0/77

- 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: 37.173+/-0.007 χ^2/NDF:1230377.0/21

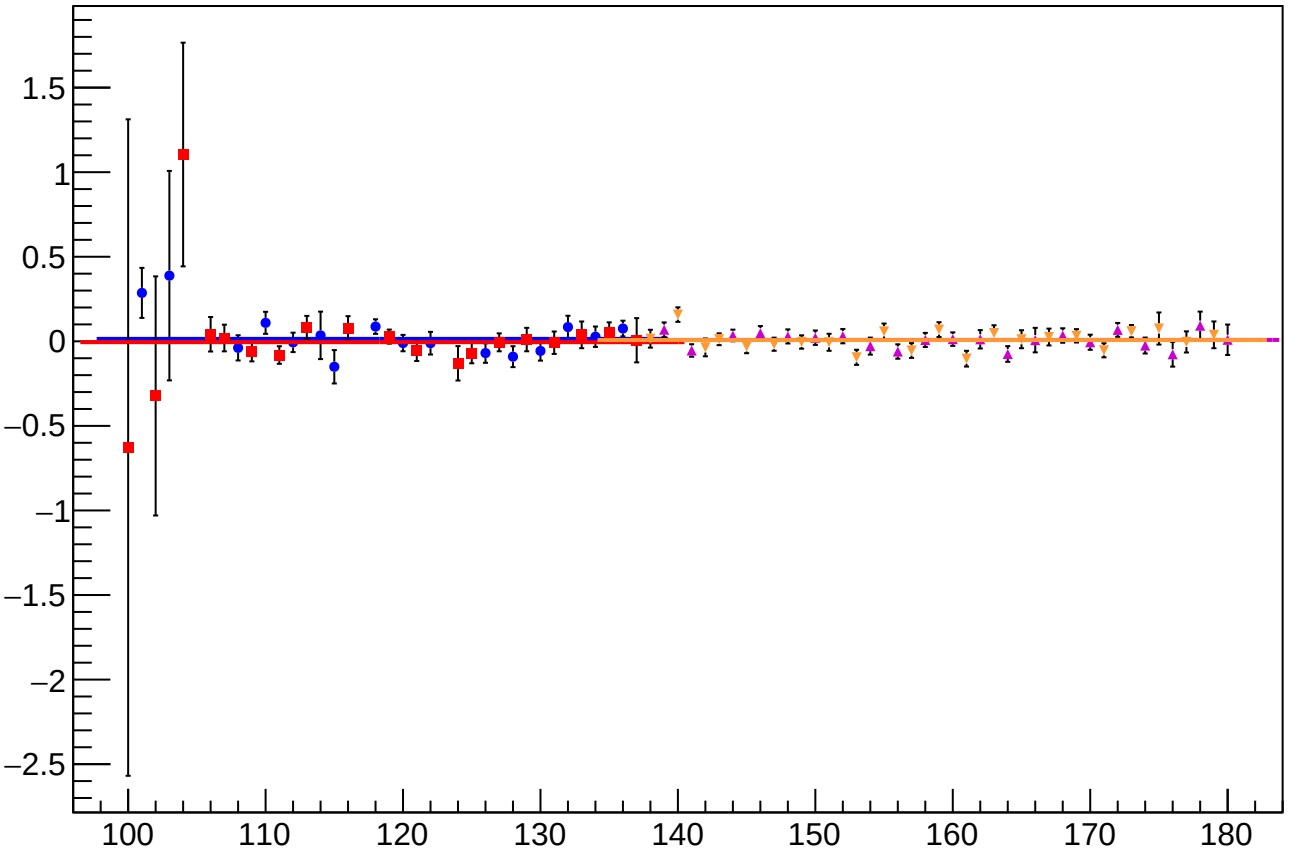
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.986+/-0.007 χ^2/NDF:1141293.5/20

\+ sign 37.382+/-0.006 χ^2/NDF: 2973447.8/37

All: 37.638+/-0.004 χ^2/NDF: 6064050.9/77

\- 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:36.6/21

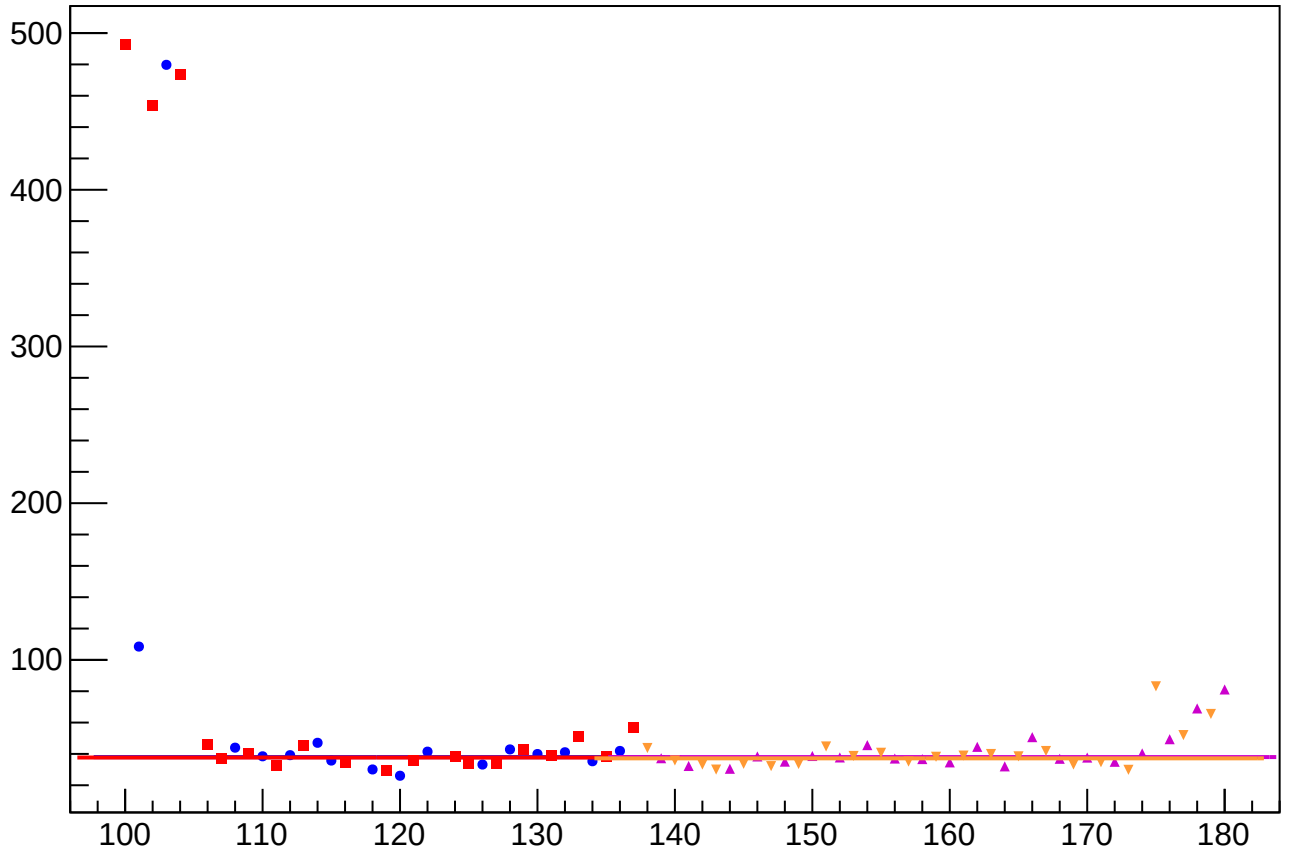
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.008+/-0.010 χ^2/NDF:18.7/20

+ sign 0.009+/-0.008 χ^2/NDF: 58.8/37

All: 0.007+/-0.006 χ^2/NDF: 93.0/77

- 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: 37.173+/-0.007 χ^2/NDF:1230377.0/21

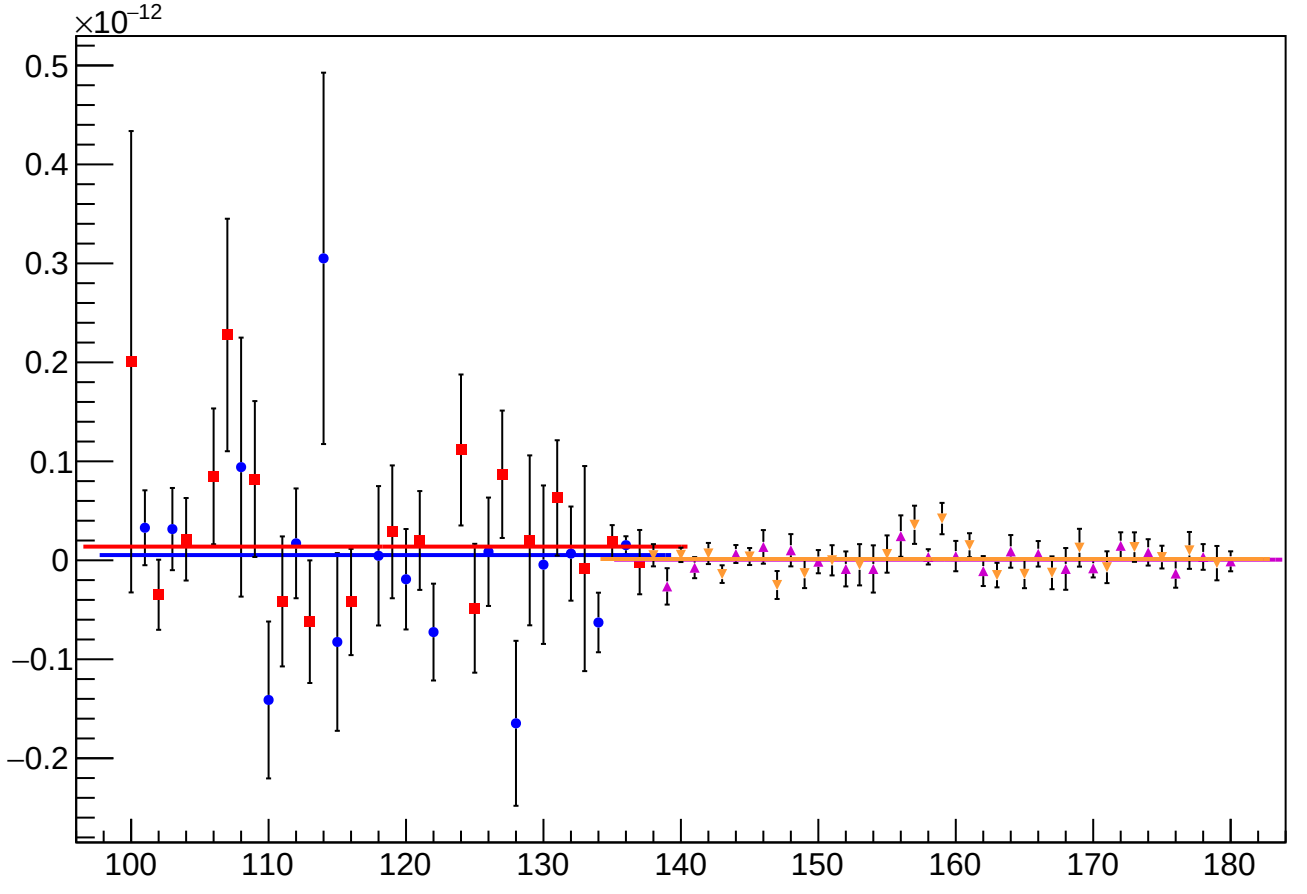
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.986+/-0.007 χ^2/NDF:1141293.5/20

+ sign 37.382+/-0.006 χ^2/NDF: 2973447.8/37

All: 37.638+/-0.004 χ^2/NDF: 6064050.9/77

- 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:24.5/21

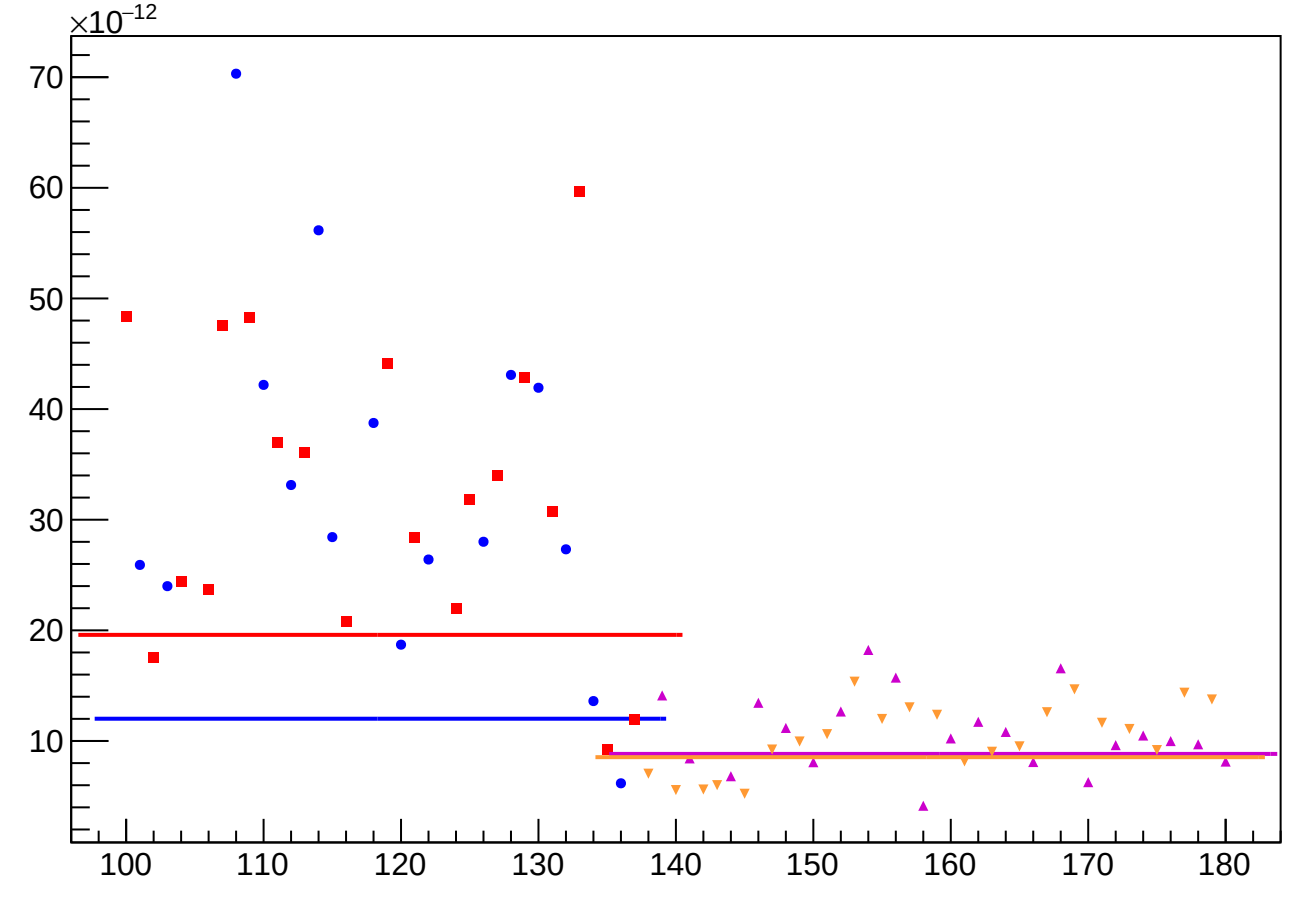
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 46.4/37

All: 0.000+/-0.000 χ^2/NDF: 74.4/77

- sign 0.000+/-0.000 χ^2/NDF: 28.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2401807.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

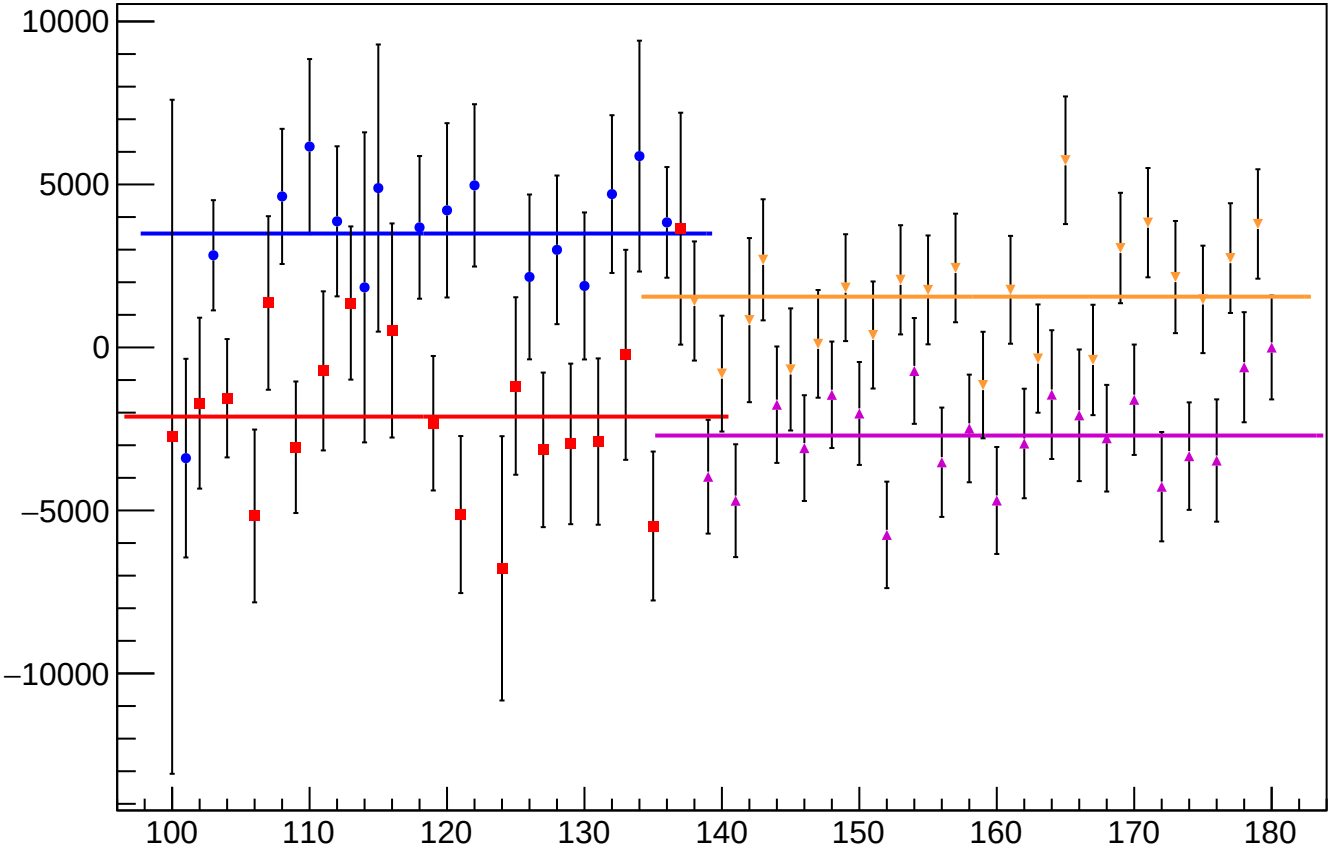
Left In: 0.000+/-0.000 χ^2/NDF:2435713.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 6645041.7/37

All: 0.000+/-0.000 χ^2/NDF: 13691897.1/77

- sign 0.000+/-0.000 χ^2/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: 1557.594+/-368.491 χ^2/NDF:20.3/21

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

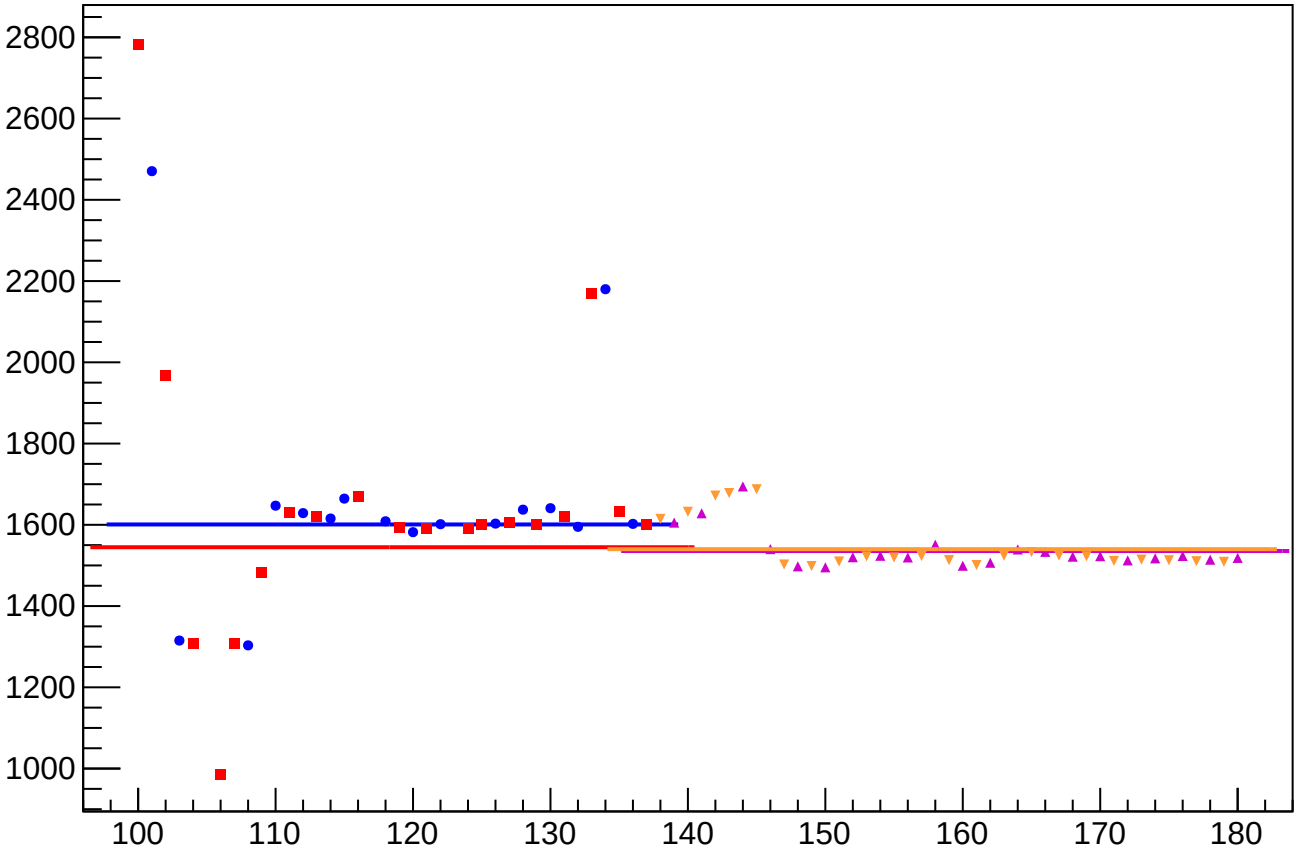
Left In: -2702.317+/-369.824 χ^2/NDF:16.2/20

+ sign 2086.522+/-314.170 χ^2/NDF: 36.7/37

All: -234.205+/-221.735 χ^2/NDF: 177.4/77

- 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: 1540.027+/-0.261 χ^2/NDF:46521.8/21

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

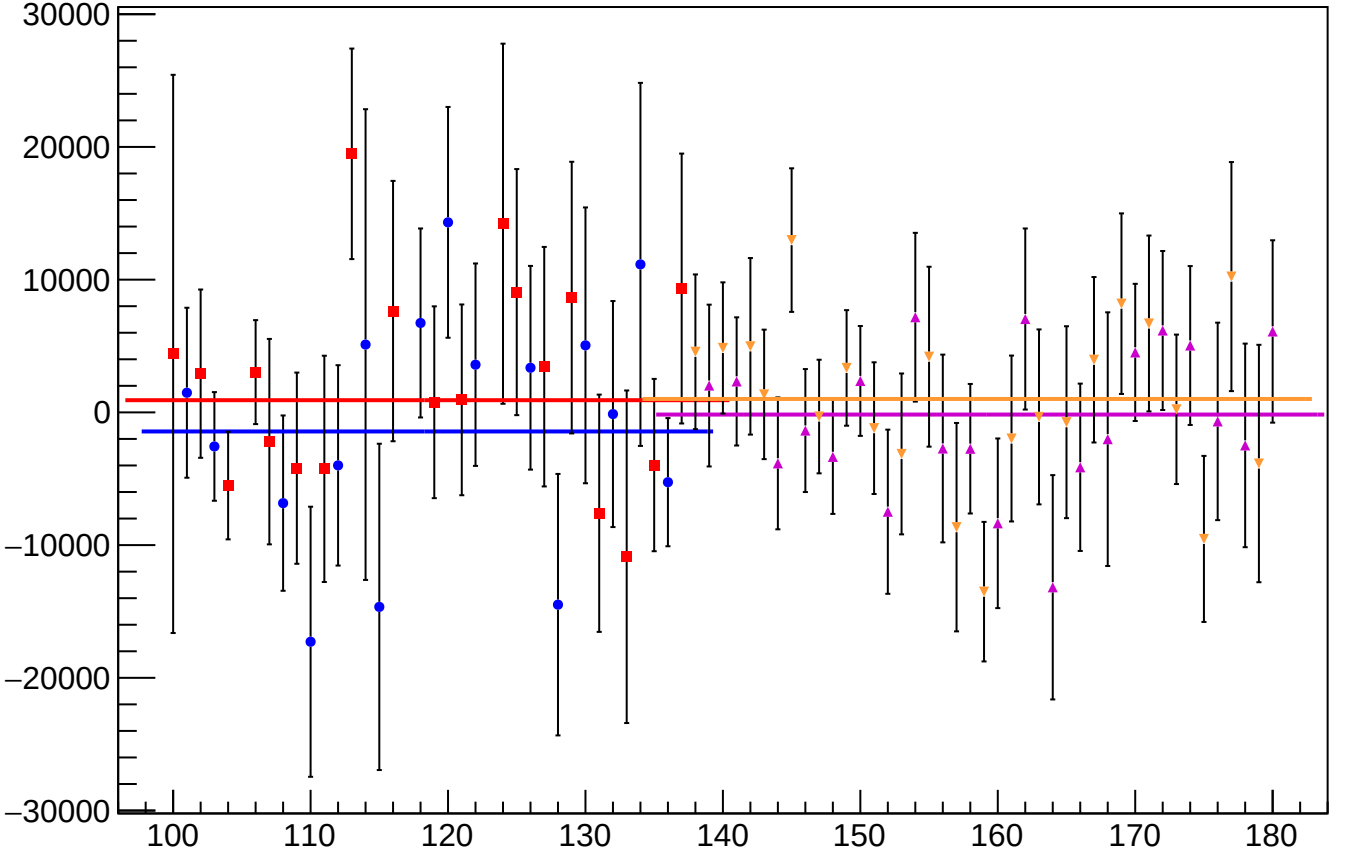
Left In: 1535.523+/-0.262 χ^2/NDF:30920.9/20

+ sign 1556.646+/-0.222 χ^2/NDF: 378830.9/37

All: 1547.355+/-0.156 χ^2/NDF: 789714.1/77

- 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: 1011.186+/-1250.505 χ^2/NDF:23.3/21

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

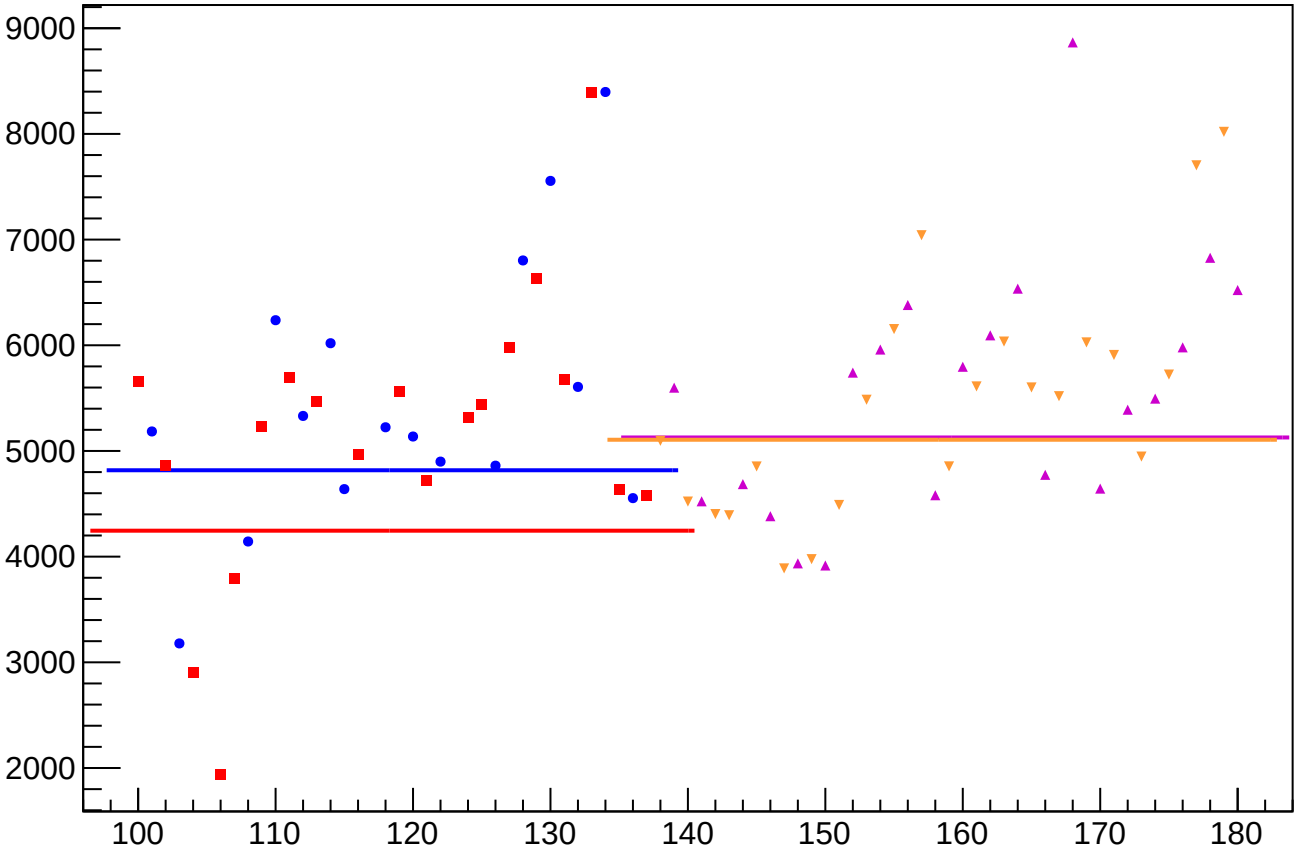
Left In: -164.881+/-1262.051 χ^2/NDF:14.3/20

\+ sign 242.386+/-1035.723 χ^2/NDF: 38.4/37

All: 235.579+/-721.891 χ^2/NDF: 68.3/77

\- 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: 5106.063+/-0.884 χ^2/NDF:1158065.7/21

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

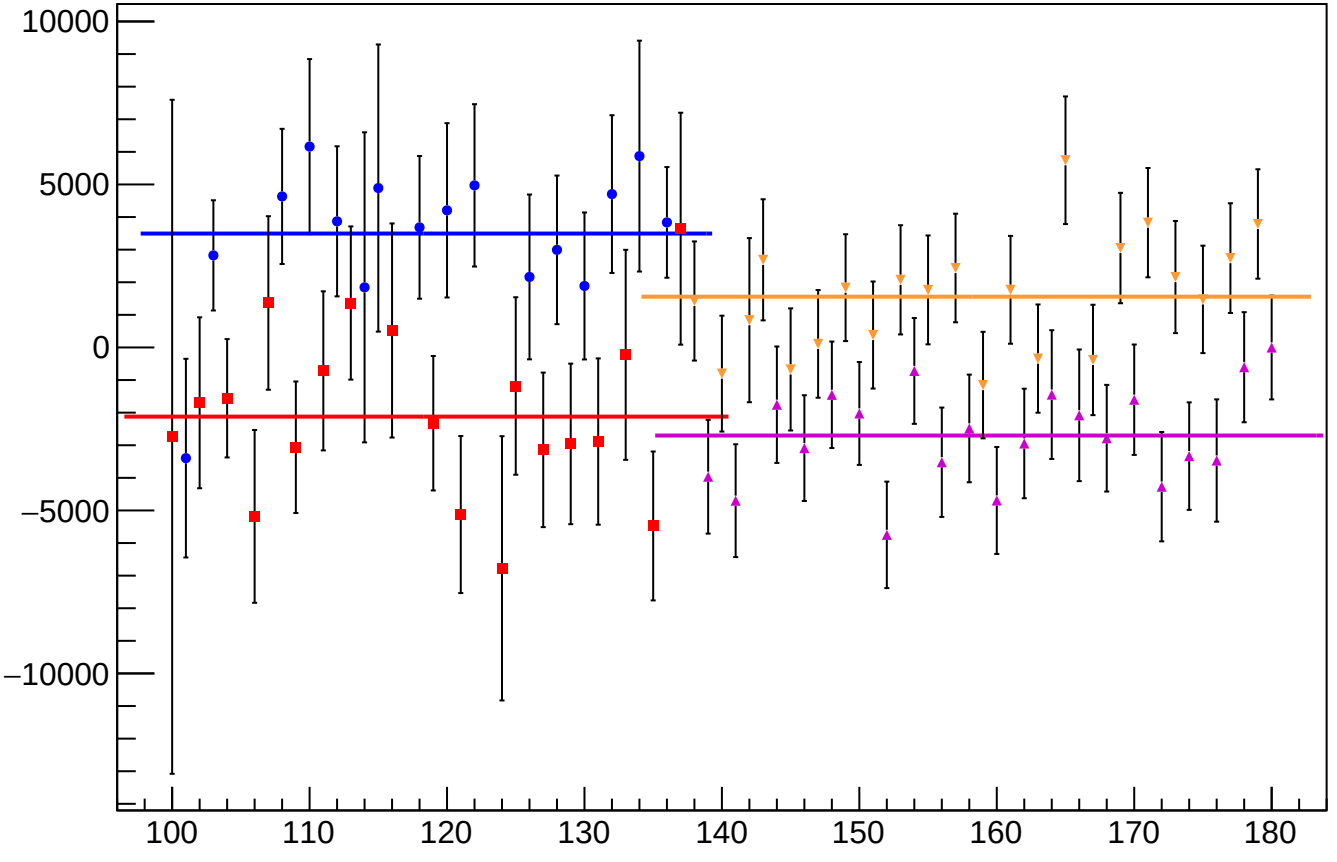
Left In: 5127.585+/-0.892 χ^2/NDF:1243393.2/20

\+ sign 5015.401+/-0.732 χ^2/NDF: 1986974.8/37

All: 4908.126+/-0.510 χ^2/NDF: 5310571.4/77

\- 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: 1557.507+/-368.491 χ^2/NDF:20.3/21

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

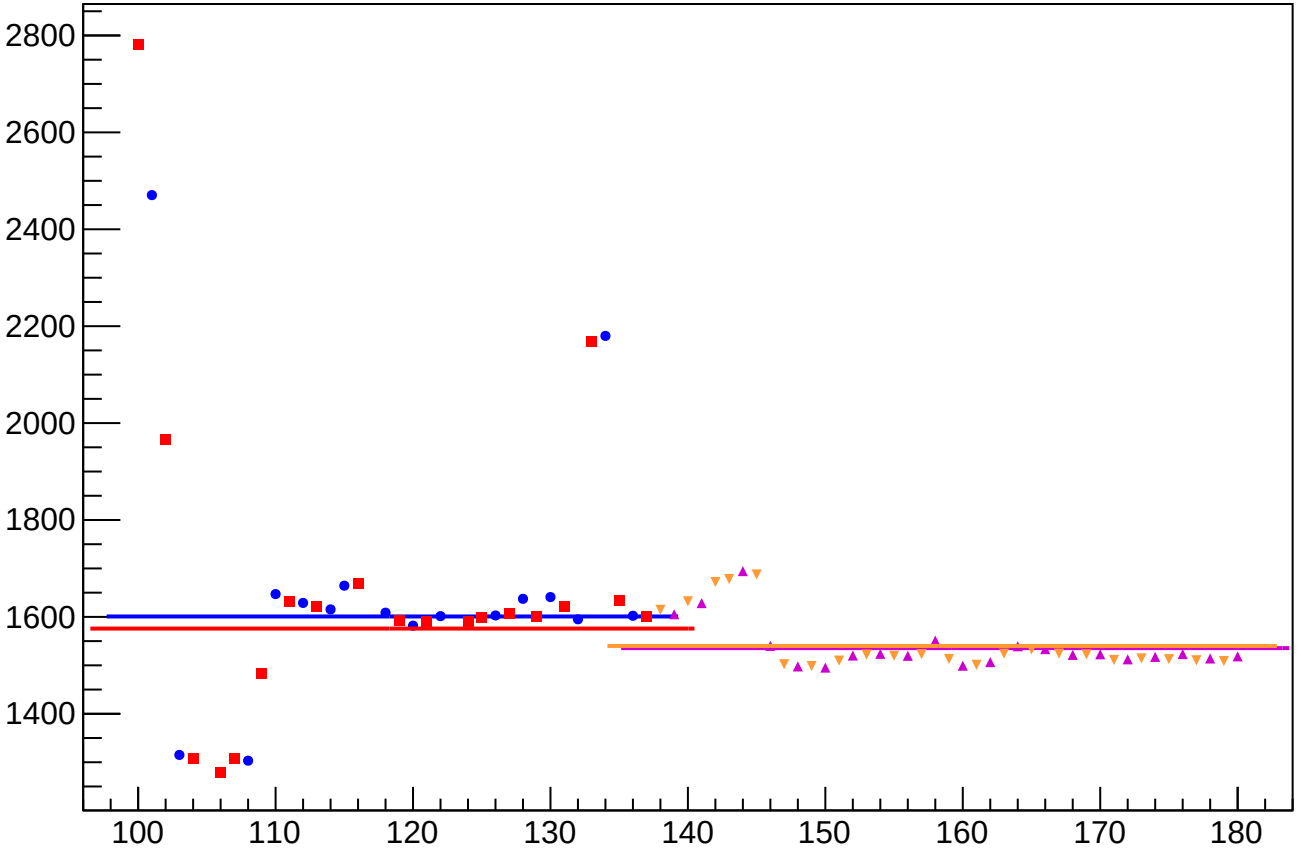
Left In: -2702.237+/-369.824 χ^2/NDF:16.2/20

+ sign 2086.367+/-314.171 χ^2/NDF: 36.7/37

All: -234.249+/-221.735 χ^2/NDF: 177.4/77

- 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: 1540.027+/-0.261 χ^2/NDF:46521.8/21

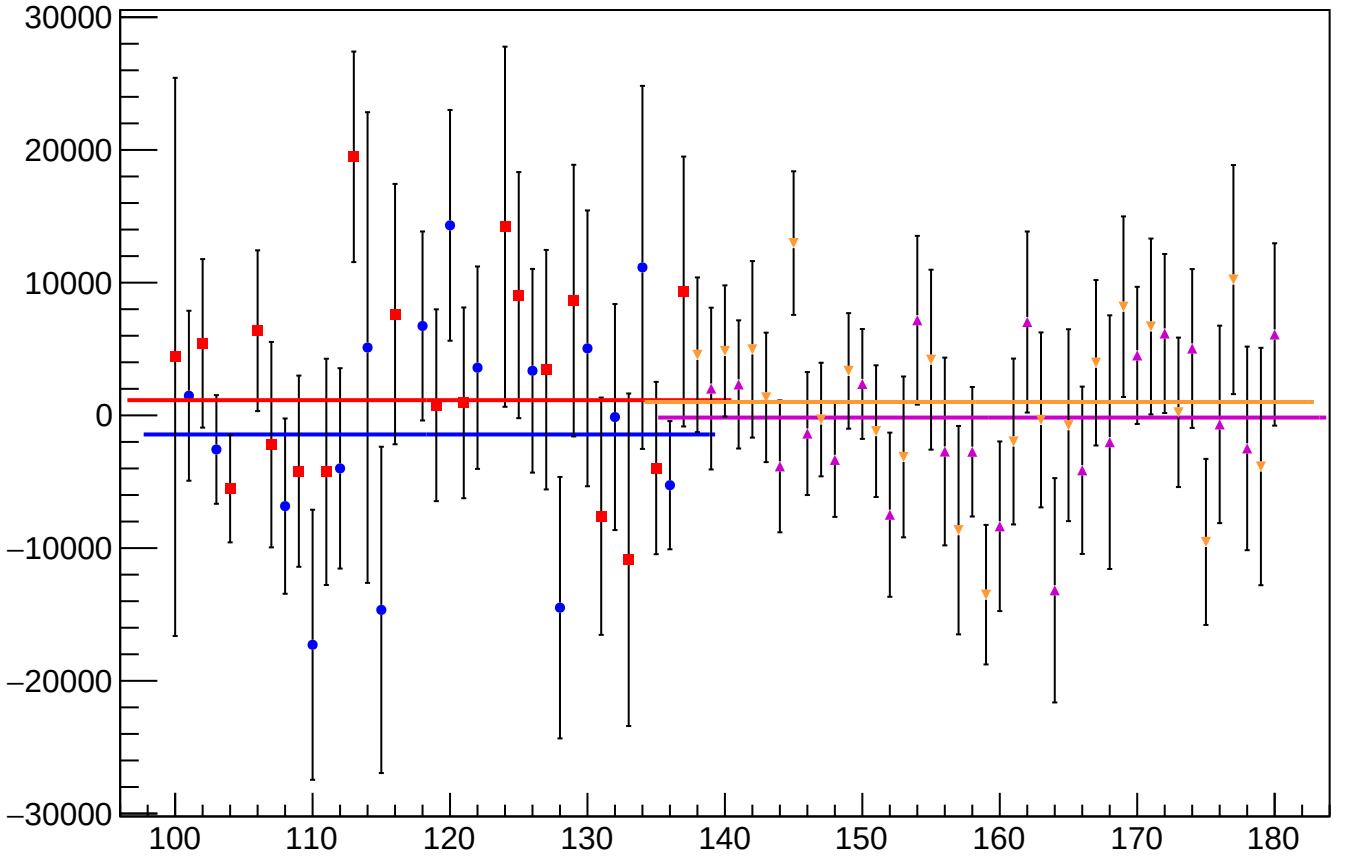
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1535.523+/-0.262 χ^2/NDF:30920.9/20

+ sign 1556.646+/-0.222 χ^2/NDF: 378830.2/37

All: 1551.821+/-0.157 χ^2/NDF: 660823.7/77

- 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: 1011.183+/-1250.503 χ^2/NDF:23.3/21

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

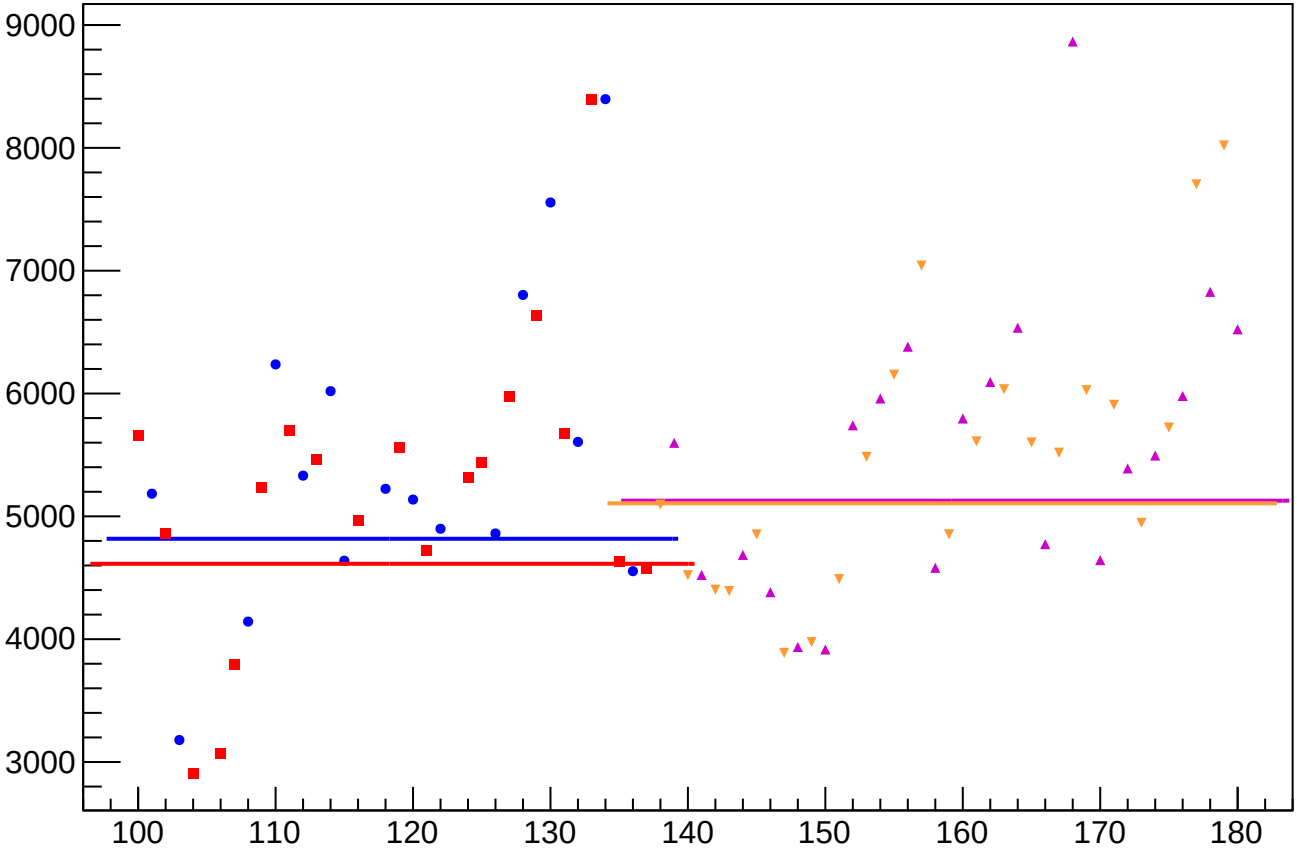
Left In: -164.881+/-1262.051 χ^2/NDF:14.3/20

\+ sign 242.331+/-1035.728 χ^2/NDF: 38.4/37

All: 260.593+/-729.151 χ^2/NDF: 69.3/77

\- 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: 5106.053+/-0.884 χ^2/NDF:1158078.4/21

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

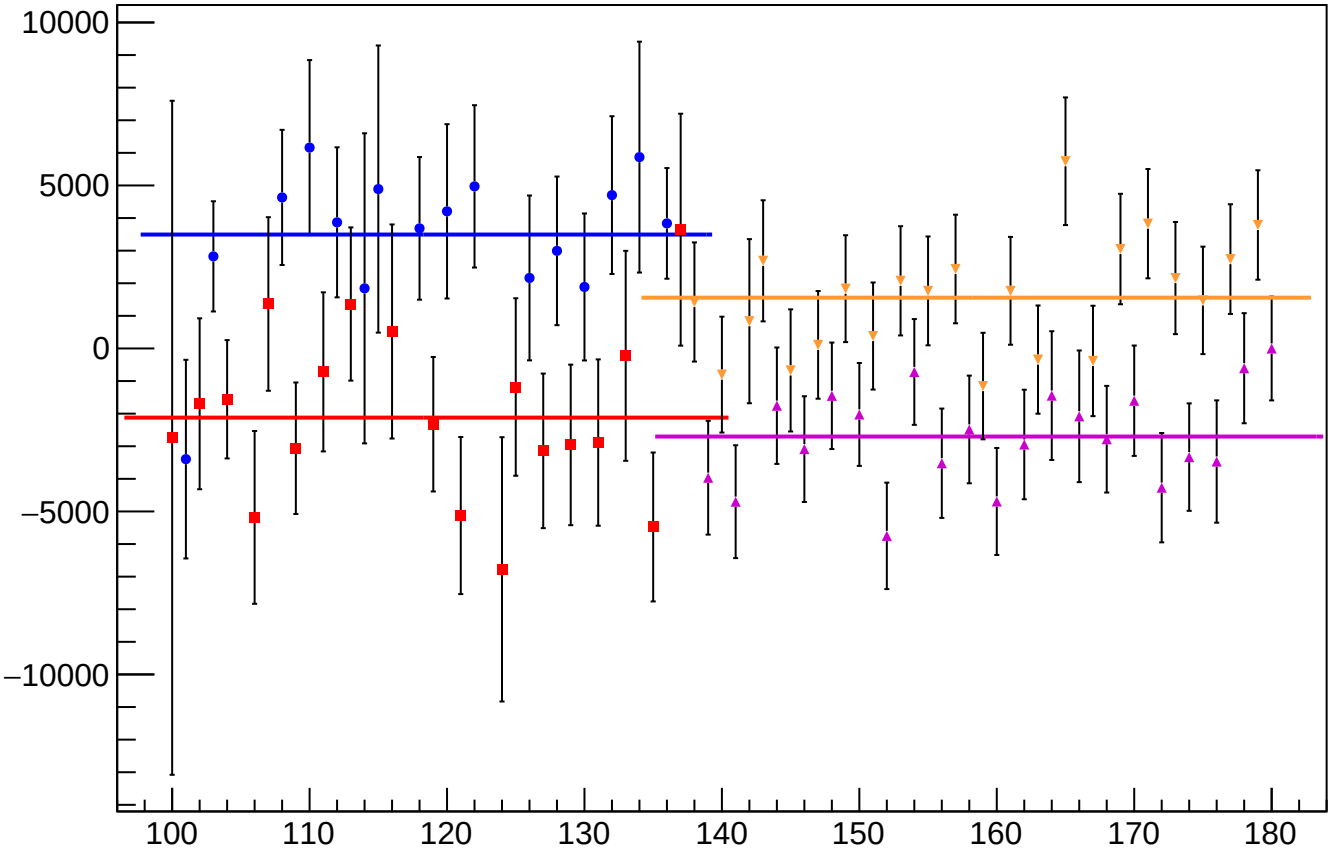
Left In: 5127.583+/-0.892 χ^2/NDF:1243393.6/20

+ sign 5015.440+/-0.732 χ^2/NDF: 1986754.8/37

All: 4984.365+/-0.516 χ^2/NDF: 4323759.7/77

- 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: 1557.507+/-368.491 χ^2/NDF:20.3/21

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

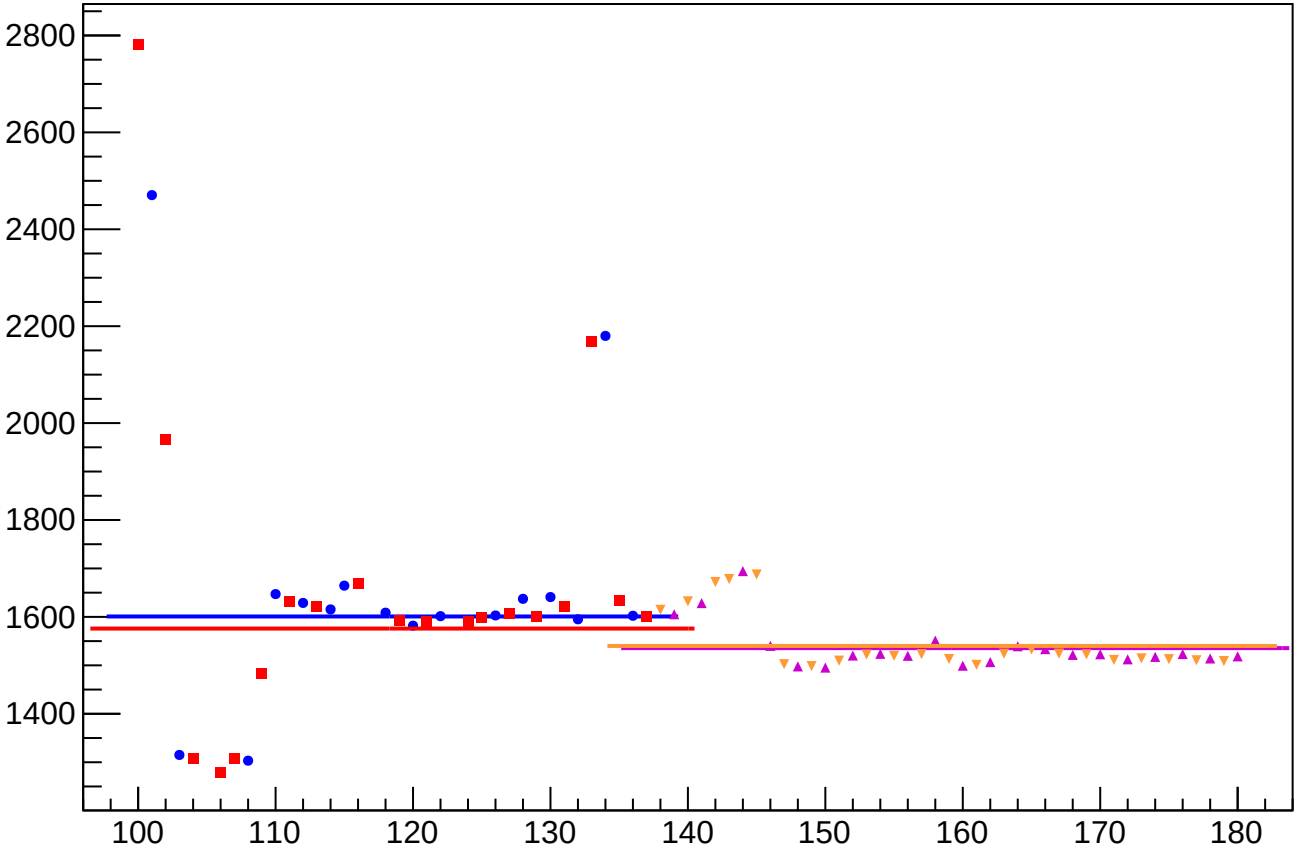
Left In: -2702.237+/-369.824 χ^2/NDF:16.2/20

+ sign 2086.367+/-314.171 χ^2/NDF: 36.7/37

All: -234.249+/-221.735 χ^2/NDF: 177.4/77

- 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: 1540.027+/-0.261 χ^2/NDF:46521.8/21

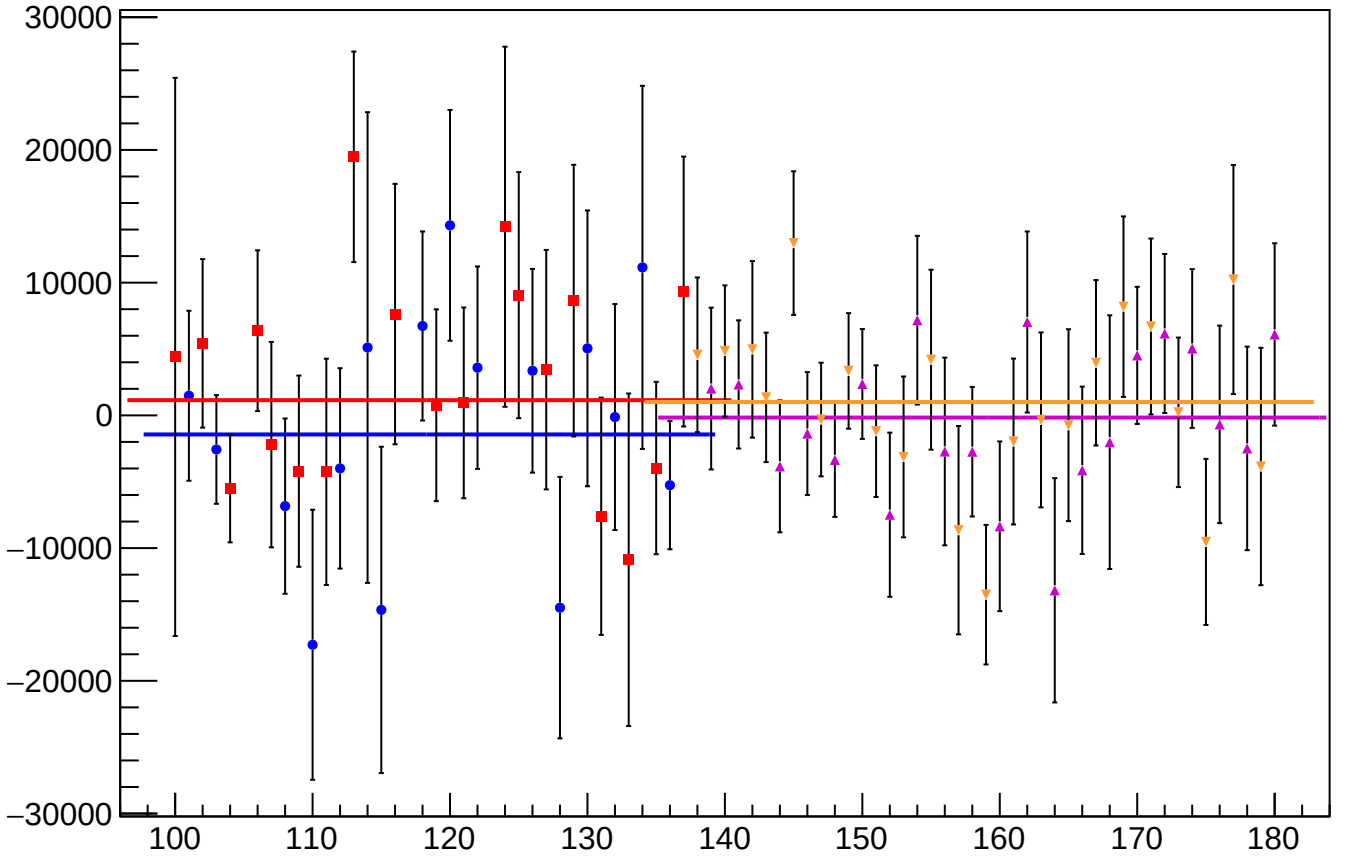
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1535.523+/-0.262 χ^2/NDF:30920.9/20

+ sign 1556.646+/-0.222 χ^2/NDF: 378830.2/37

All: 1551.821+/-0.157 χ^2/NDF: 660823.7/77

- 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: 1011.183+/-1250.503 χ^2/NDF:23.3/21

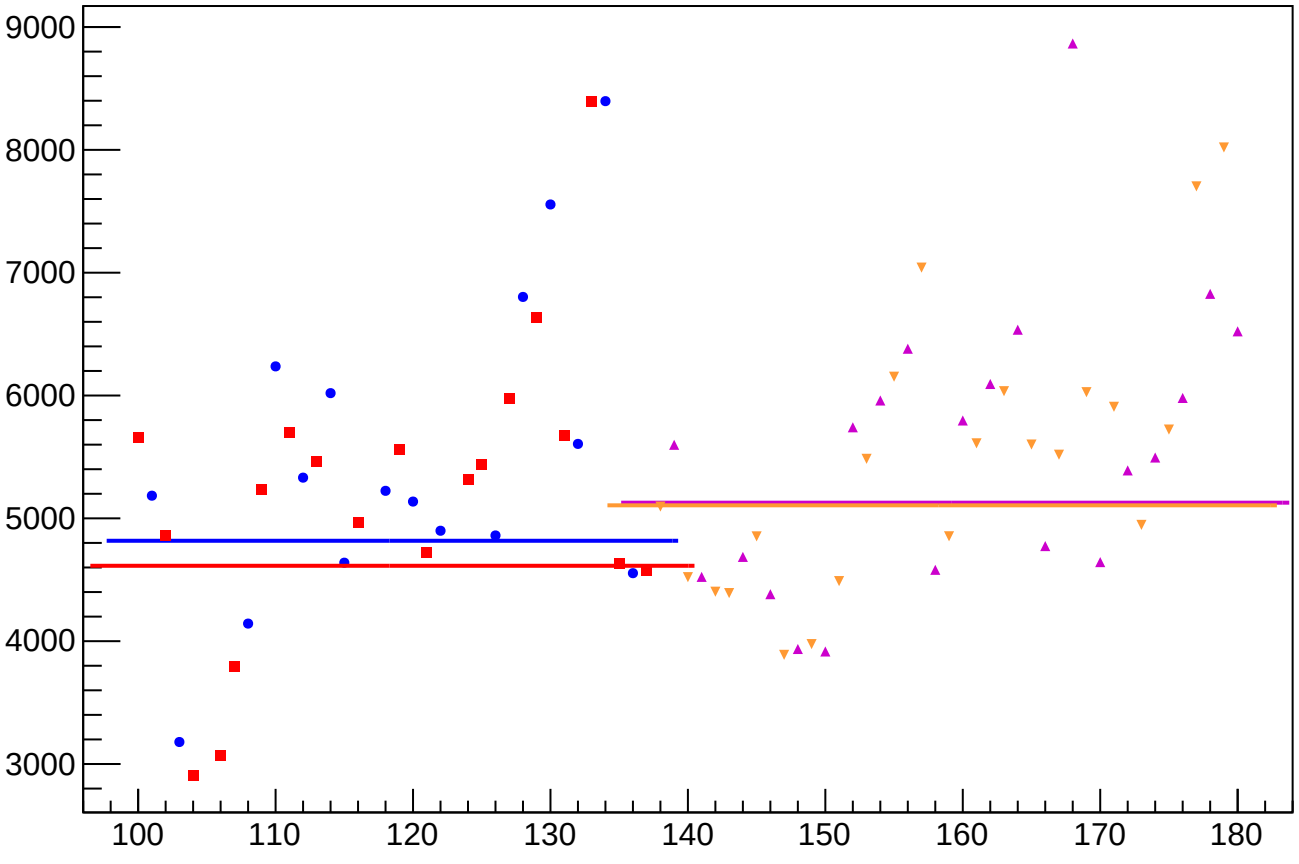
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -164.881+/-1262.051 χ^2/NDF:14.3/20

\+ sign 242.331+/-1035.728 χ^2/NDF: 38.4/37

All: 260.593+/-729.151 χ^2/NDF: 69.3/77

\- sign 278.537+/-1026.681 χ^2/NDF: 30.9/39



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5106.053+/-0.884 χ^2/NDF:1158078.4/21

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

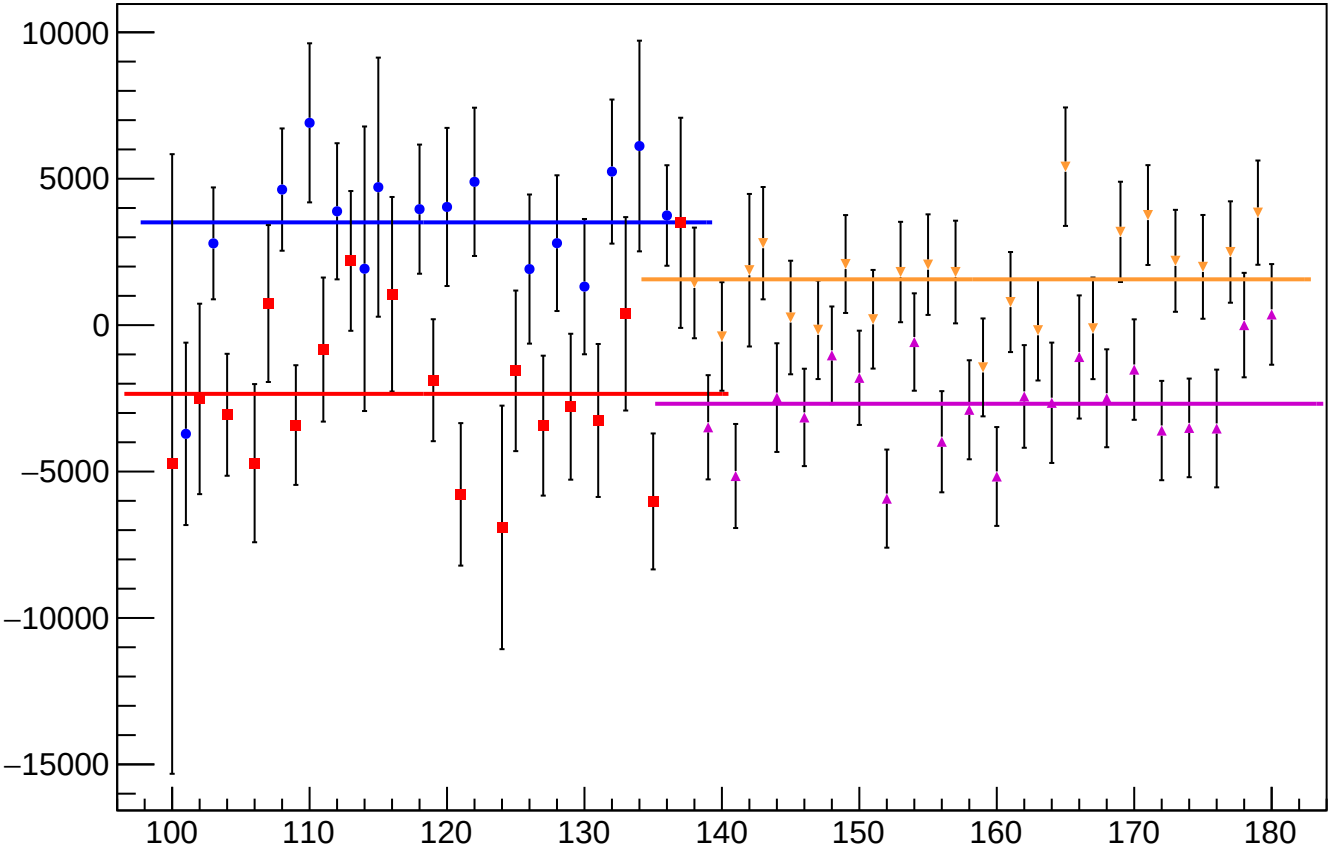
Left In: 5127.583+/-0.892 χ^2/NDF:1243393.6/20

+ sign 5015.440+/-0.732 χ^2/NDF: 1986754.8/37

All: 4984.365+/-0.516 χ^2/NDF: 4323759.7/77

- 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: 1564.433+/-380.035 χ^2/NDF:17.6/21

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

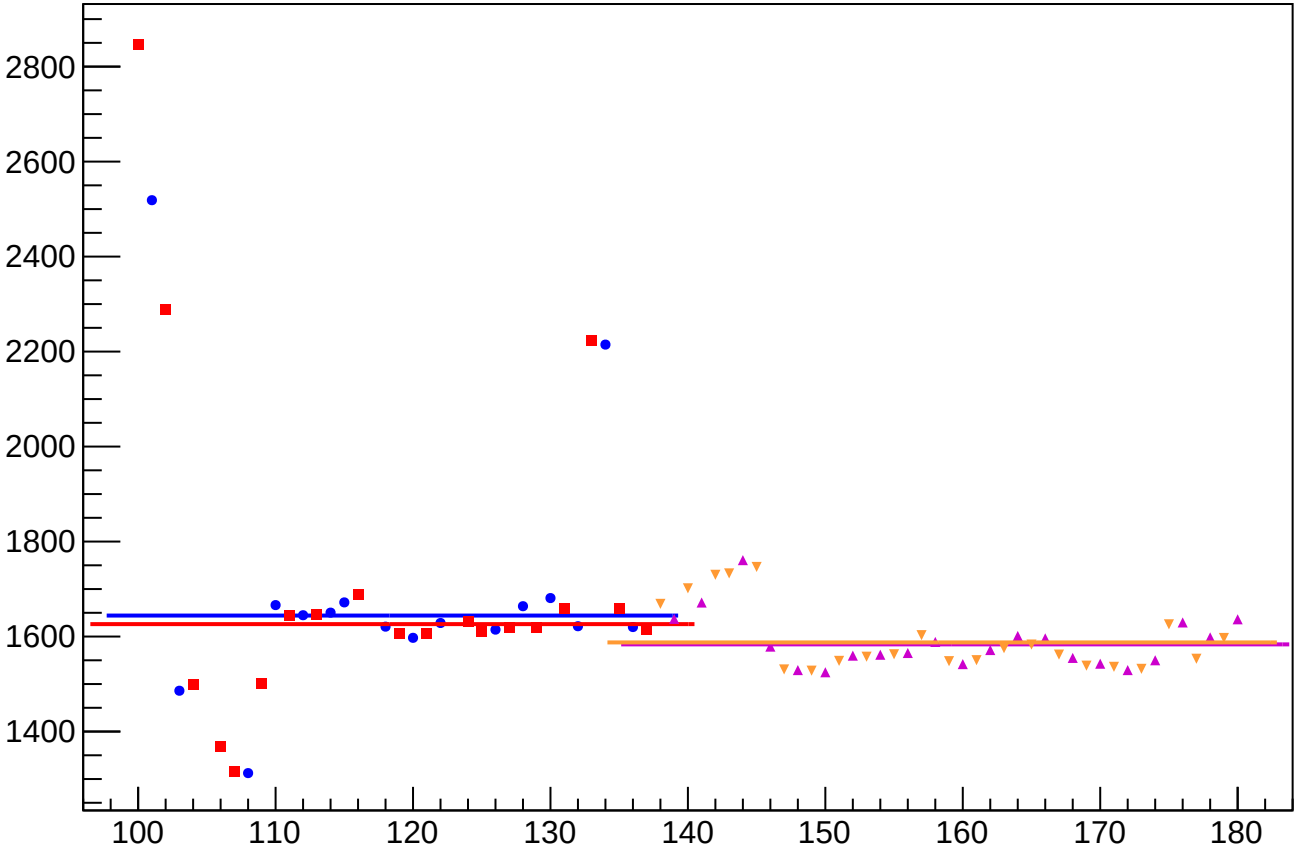
Left In: -2685.052+/-381.524 χ^2/NDF:18.8/20

+ sign 2099.749+/-323.540 χ^2/NDF: 35.2/37

All: -248.070+/-228.619 χ^2/NDF: 176.5/77

- 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: 1587.643+/-0.269 χ^2/NDF:59087.7/21

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

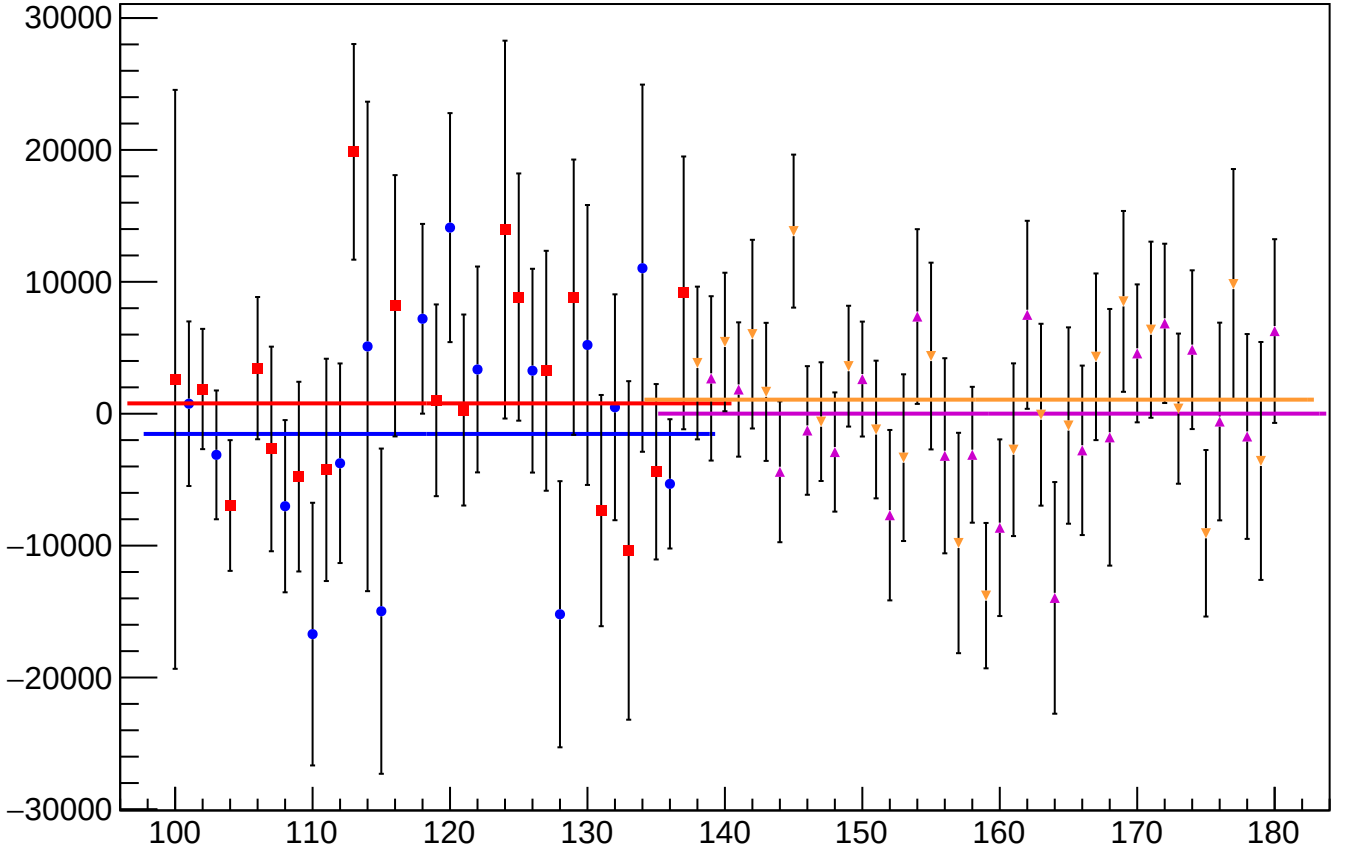
Left In: 1583.512+/-0.270 χ^2/NDF:39911.5/20

+ sign 1603.208+/-0.229 χ^2/NDF: 346095.7/37

All: 1599.395+/-0.162 χ^2/NDF: 631283.4/77

- 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: 1066.881+/-1301.419 χ^2/NDF:22.9/21

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

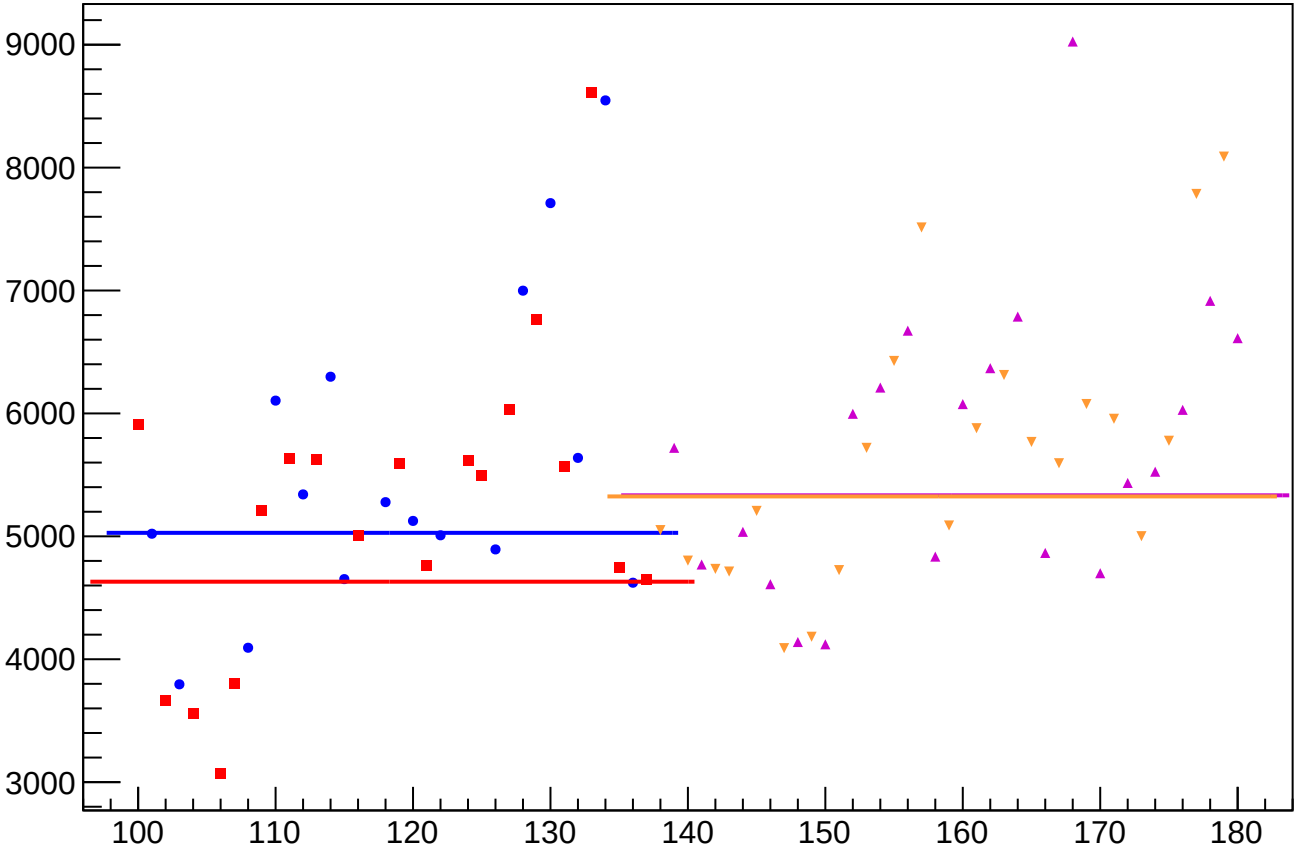
Left In: 6.204+/-1310.619 χ^2/NDF:14.1/20

\+ sign 245.069+/-1076.168 χ^2/NDF: 38.1/37

All: 266.101+/-751.076 χ^2/NDF: 67.4/77

\- 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: 5324.669+/-0.920 χ^2/NDF:1036270.0/21

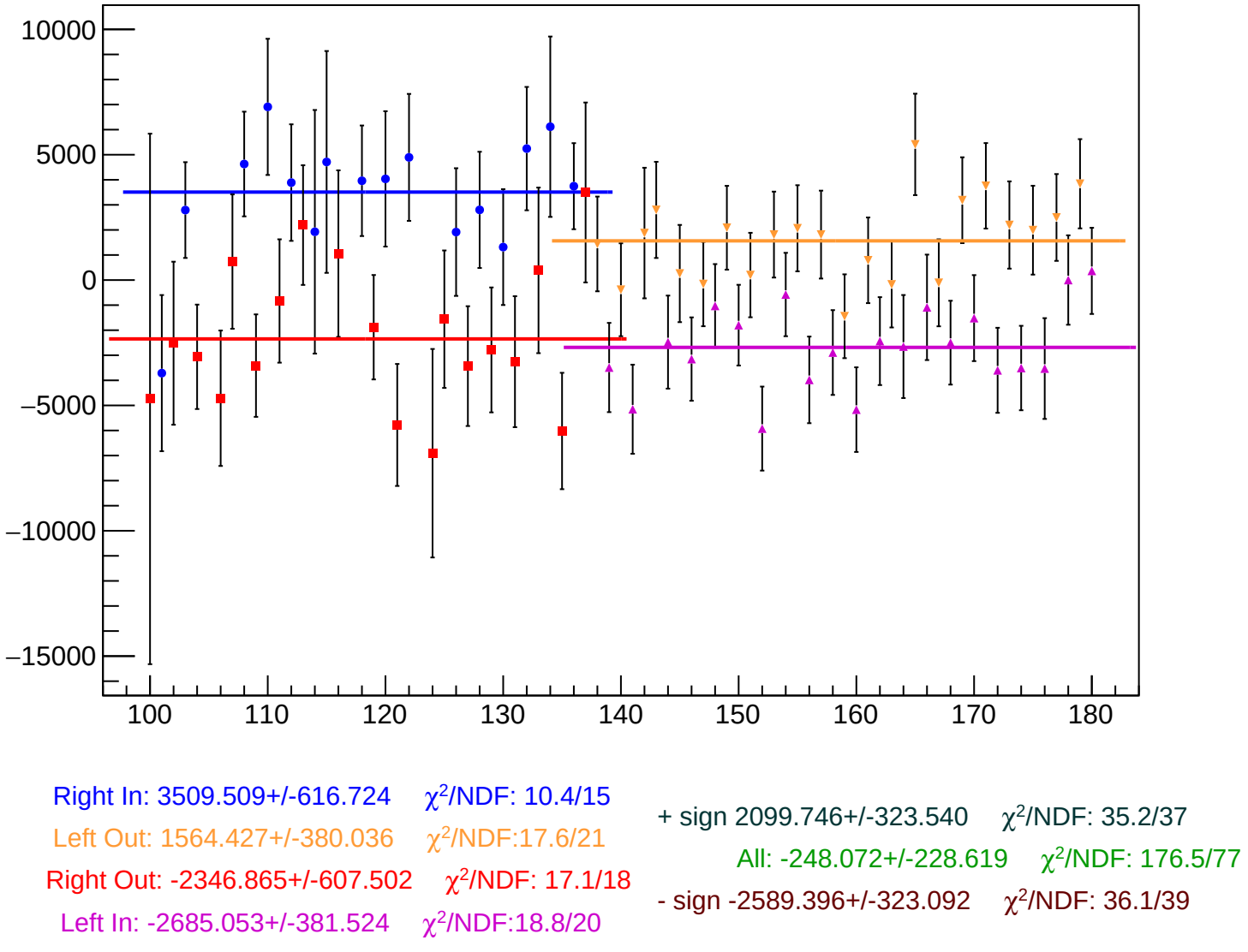
Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5333.671+/-0.927 χ^2/NDF:1136972.7/20

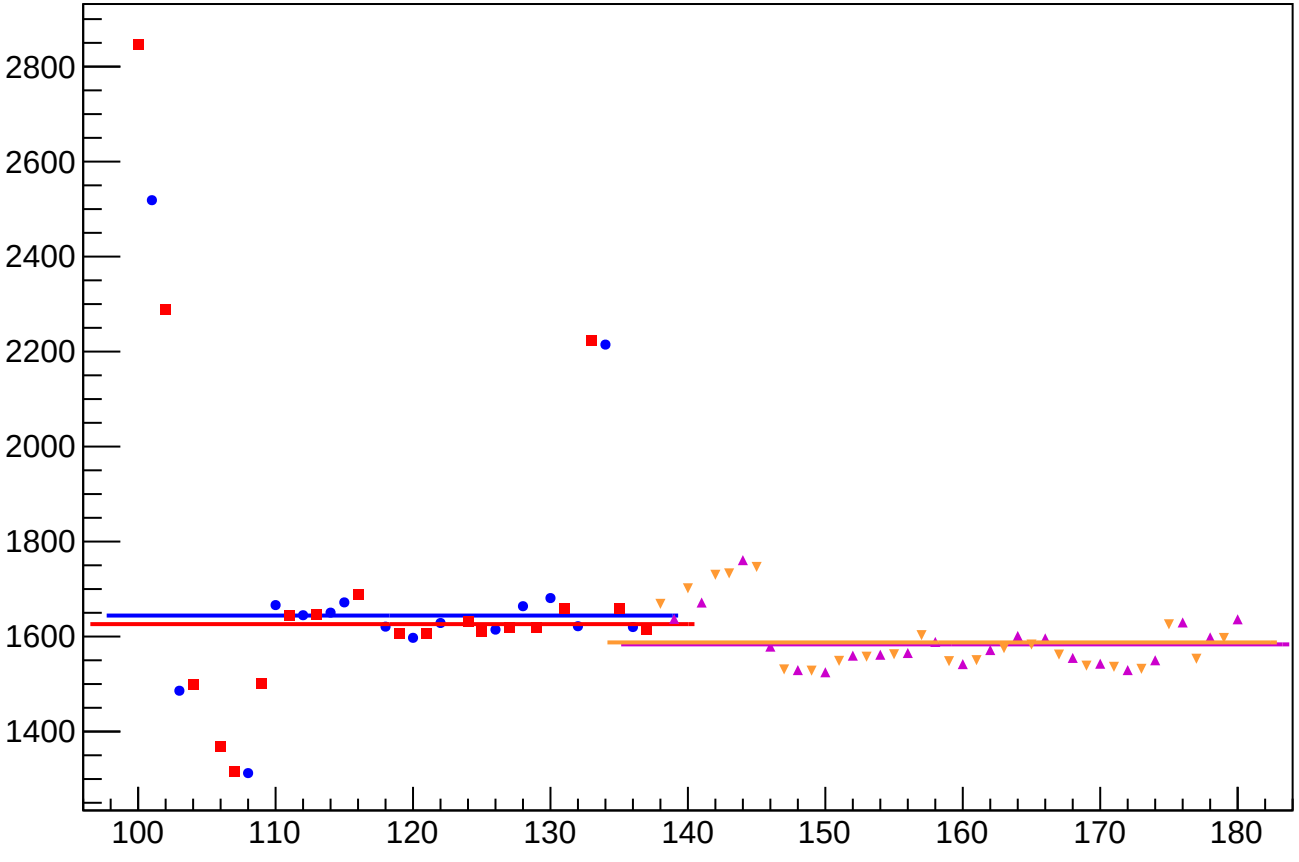
+ sign 5231.003+/-0.761 χ^2/NDF: 1634503.0/37

All: 5153.999+/-0.531 χ^2/NDF: 3861808.8/77

- sign 5080.873+/-0.742 χ^2/NDF: 2207341.7/39


eigen_dit_asym_usr_atr2_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 3509.509+/-616.724 χ²/NDF: 10.4/15
Left Out: 1564.427+/-380.036 χ²/NDF:17.6/21
Right Out: -2346.865+/-607.502 χ²/NDF: 17.1/18
Left In: -2685.053+/-381.524 χ²/NDF:18.8/20
+ sign 2099.746+/-323.540 χ²/NDF: 35.2/37
All: -248.072+/-228.619 χ²/NDF: 176.5/77
- sign -2589.396+/-323.092 χ²/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: 1587.644+/-0.269 χ^2/NDF:59087.9/21

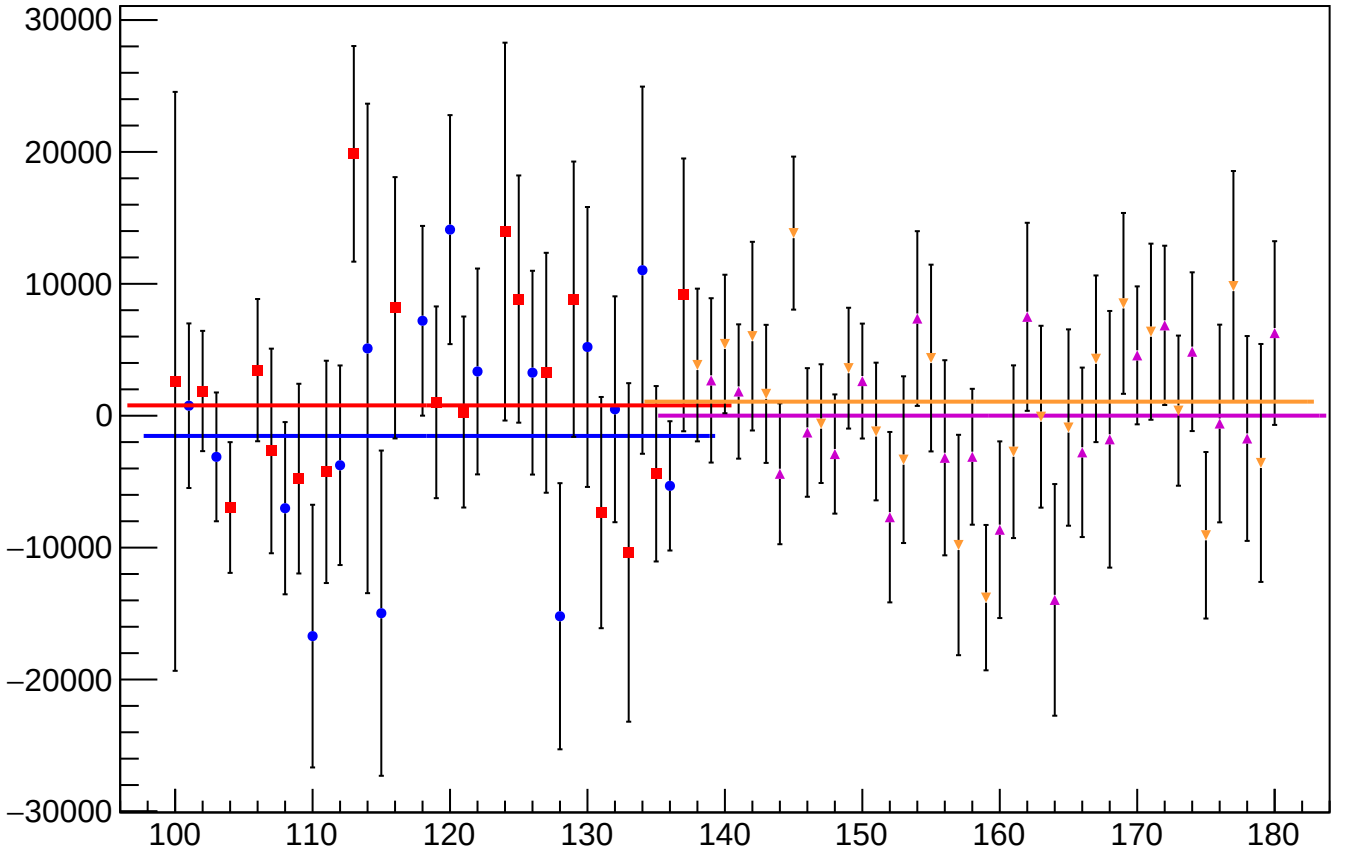
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1583.513+/-0.270 χ^2/NDF:39911.3/20

+ sign 1603.208+/-0.229 χ^2/NDF: 346095.3/37

All: 1599.395+/-0.162 χ^2/NDF: 631282.1/77

- 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: 1066.878+/-1301.421 χ^2/NDF:22.9/21

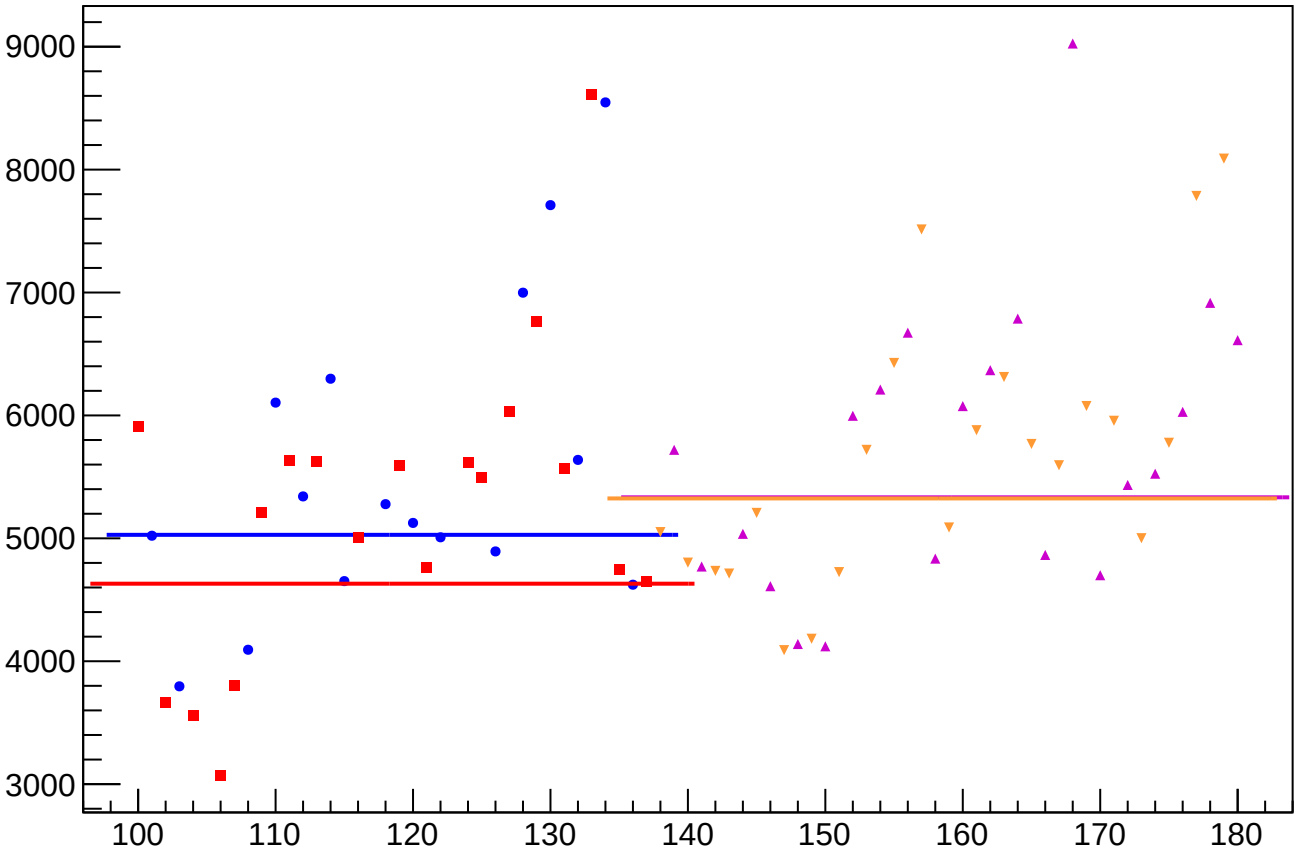
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 6.205+/-1310.621 χ^2/NDF:14.1/20

\+ sign 245.068+/-1076.169 χ^2/NDF: 38.1/37

All: 266.102+/-751.076 χ^2/NDF: 67.4/77

\- 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: 5324.678+/-0.920 χ^2/NDF:1036272.2/21

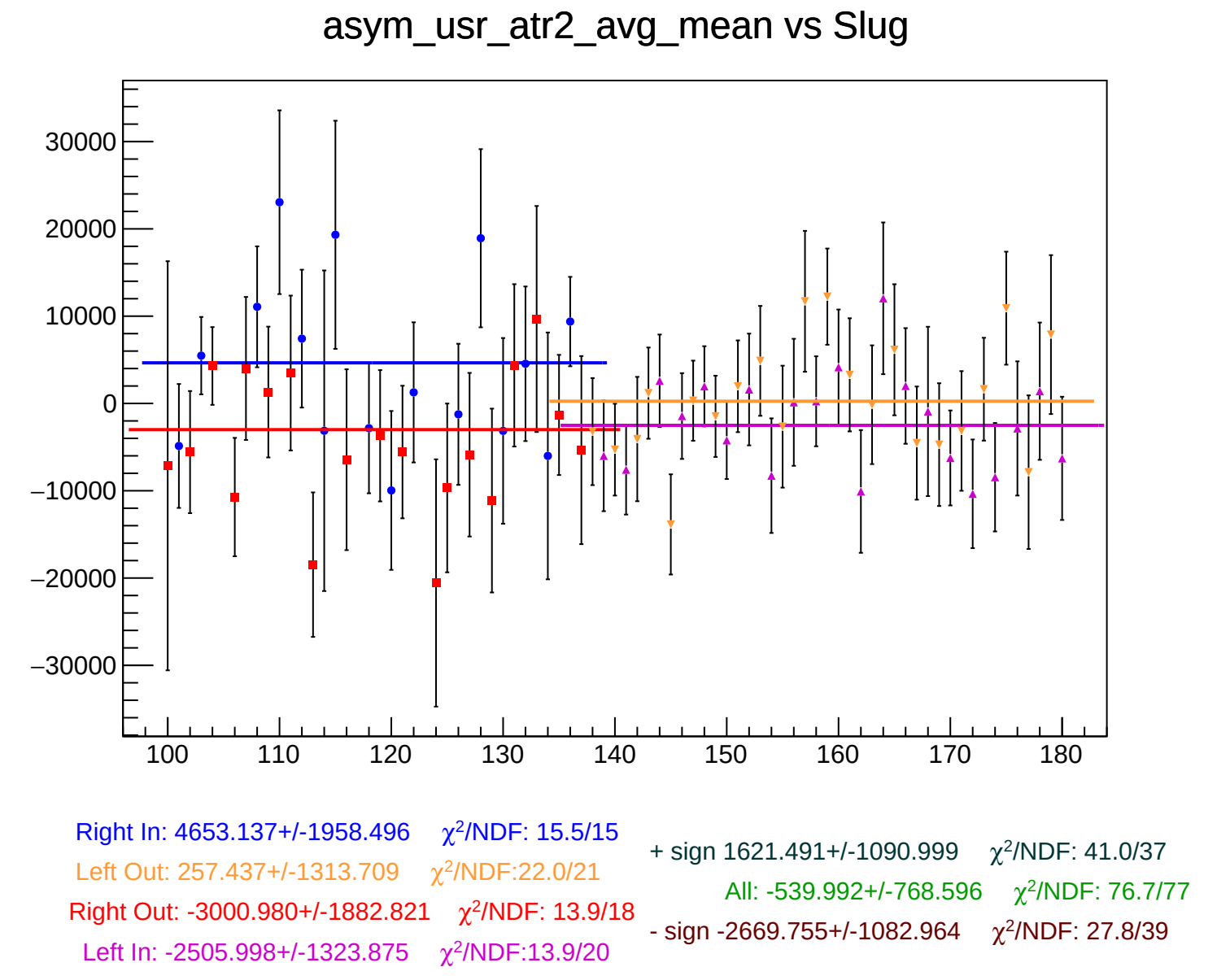
Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5333.680+/-0.927 χ^2/NDF:1136976.4/20

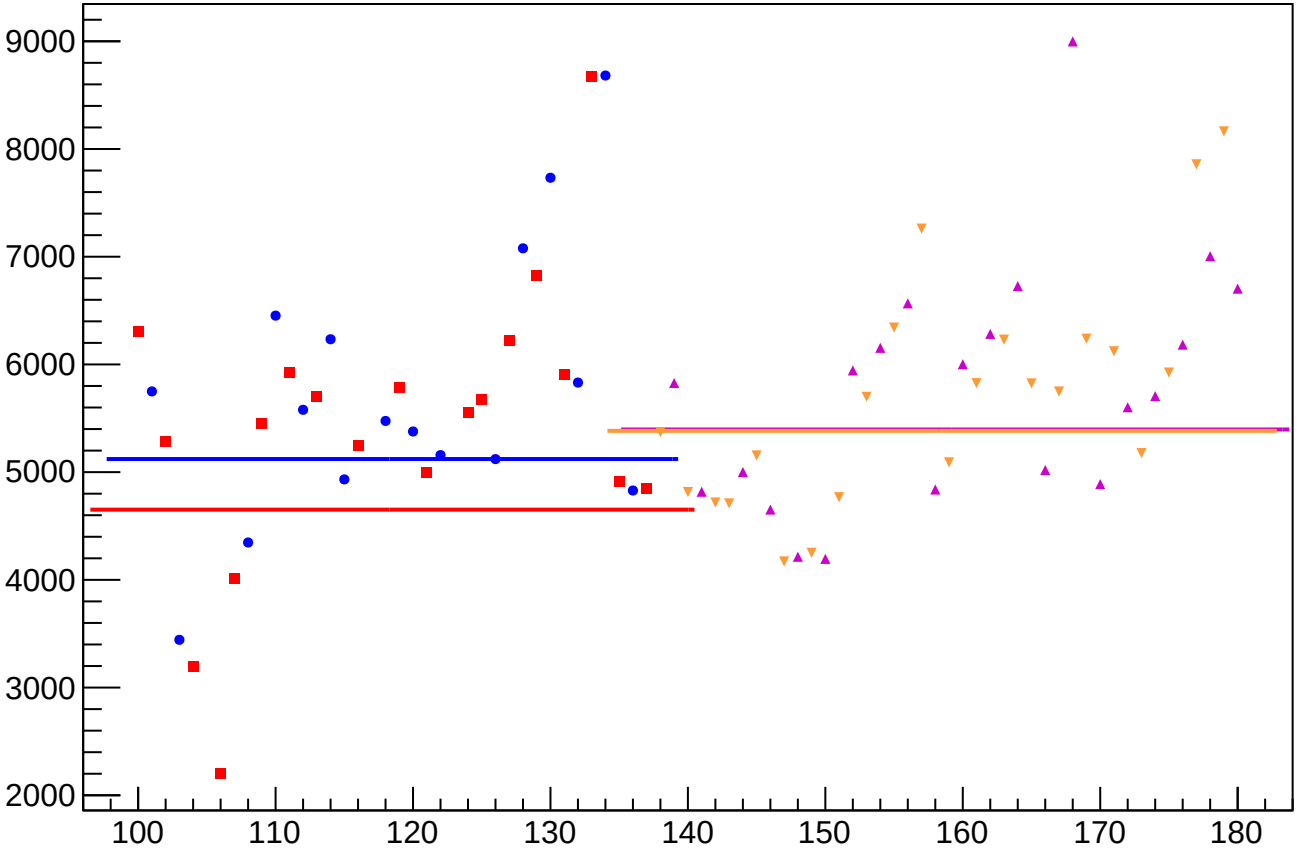
+ sign 5231.007+/-0.761 χ^2/NDF: 1634502.5/37

All: 5154.002+/-0.531 χ^2/NDF: 3861815.7/77

- sign 5080.875+/-0.742 χ^2/NDF: 2207348.7/39


asym_usr_atr2_avg_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 4653.137+/-1958.496 χ²/NDF: 15.5/15
Left Out: 257.437+/-1313.709 χ²/NDF:22.0/21
Right Out: -3000.980+/-1882.821 χ²/NDF: 13.9/18
Left In: -2505.998+/-1323.875 χ²/NDF:13.9/20
+ sign 1621.491+/-1090.999 χ²/NDF: 41.0/37
All: -539.992+/-768.596 χ²/NDF: 76.7/77
- sign -2669.755+/-1082.964 χ²/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: 5383.435+/-0.929 χ^2/NDF:986605.6/21

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

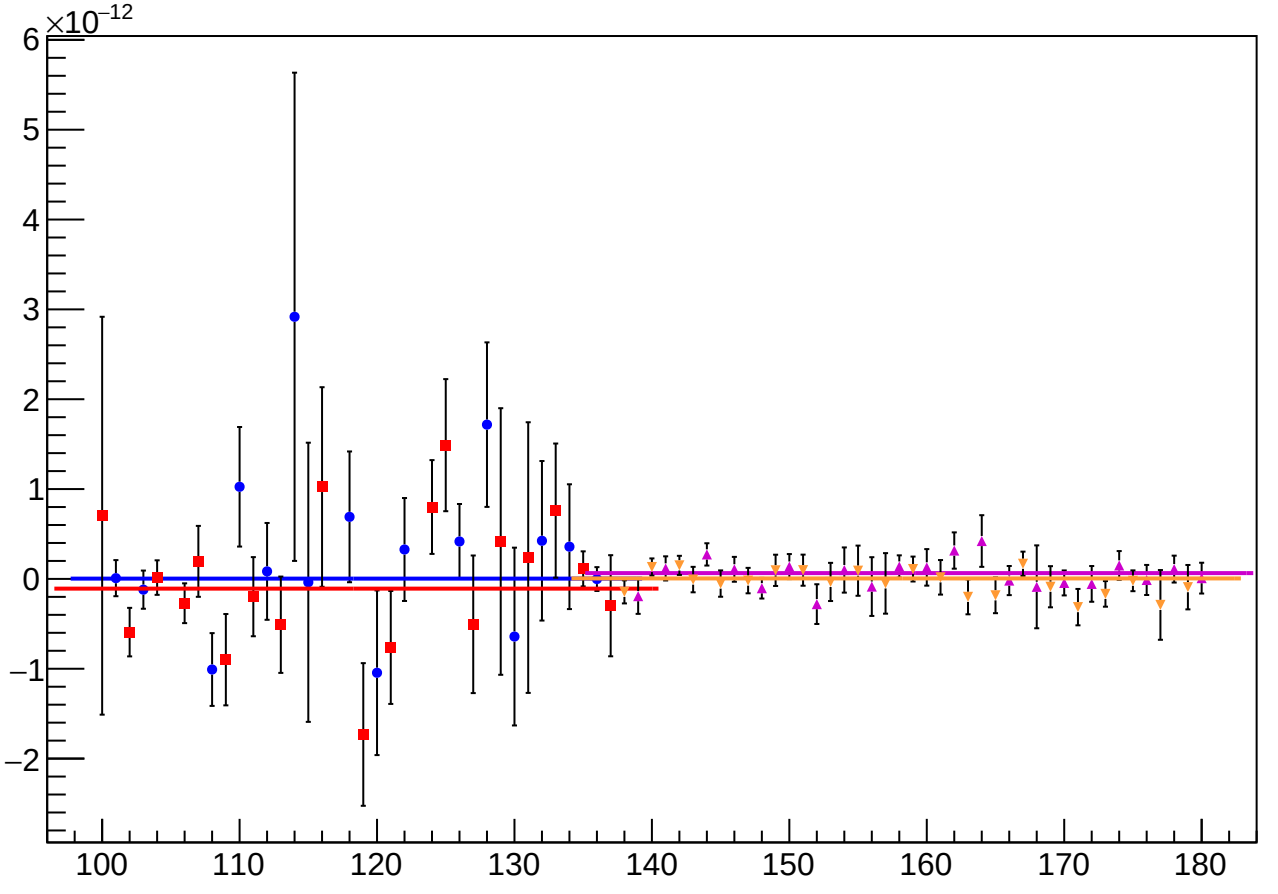
Left In: 5396.248+/-0.936 χ^2/NDF:1062745.9/20

+ sign 5302.197+/-0.771 χ^2/NDF: 1731621.7/37

All: 5217.838+/-0.540 χ^2/NDF: 4383014.1/77

- 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:14.8/21

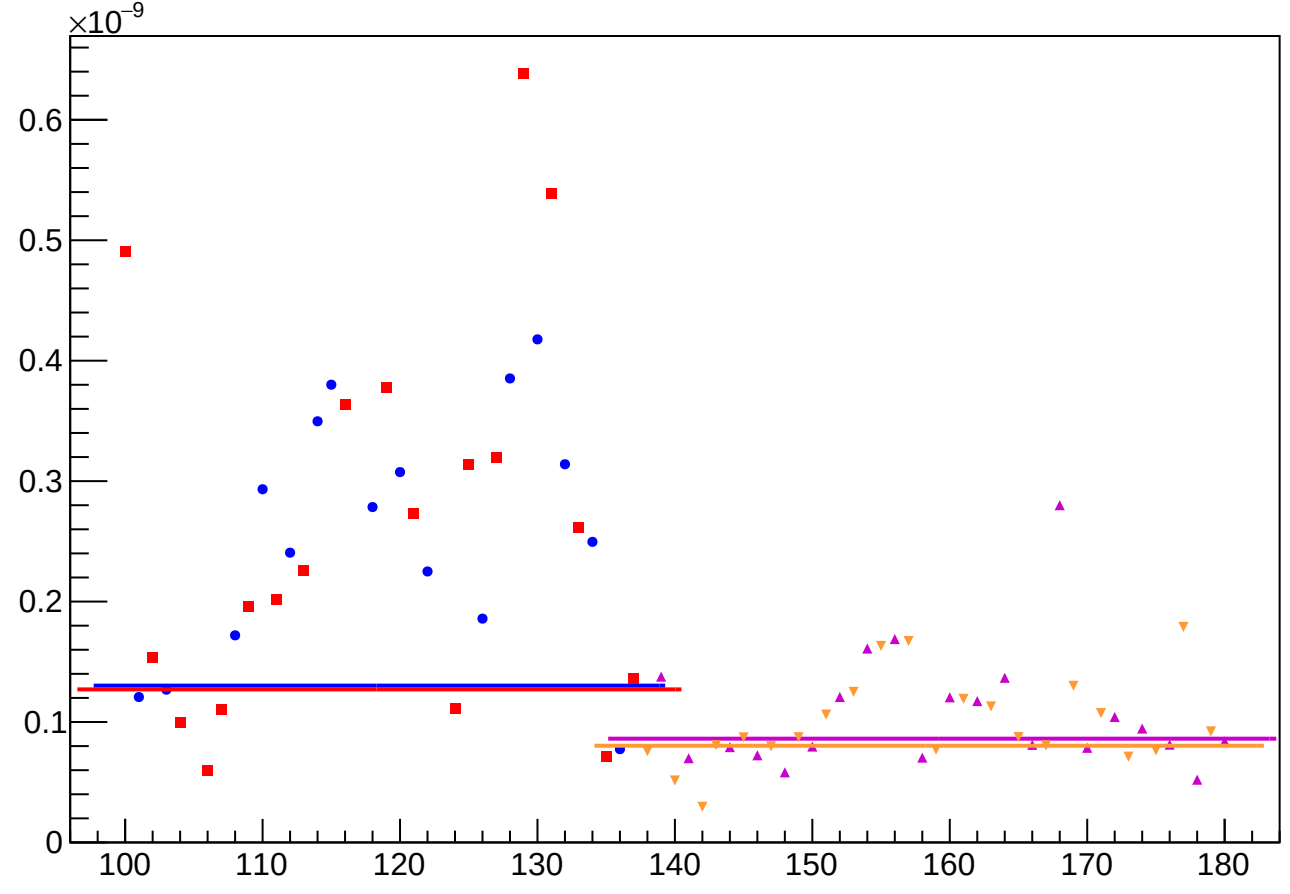
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/37

All: 0.000+/-0.000 χ^2/NDF: 77.2/77

- 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:1505460.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

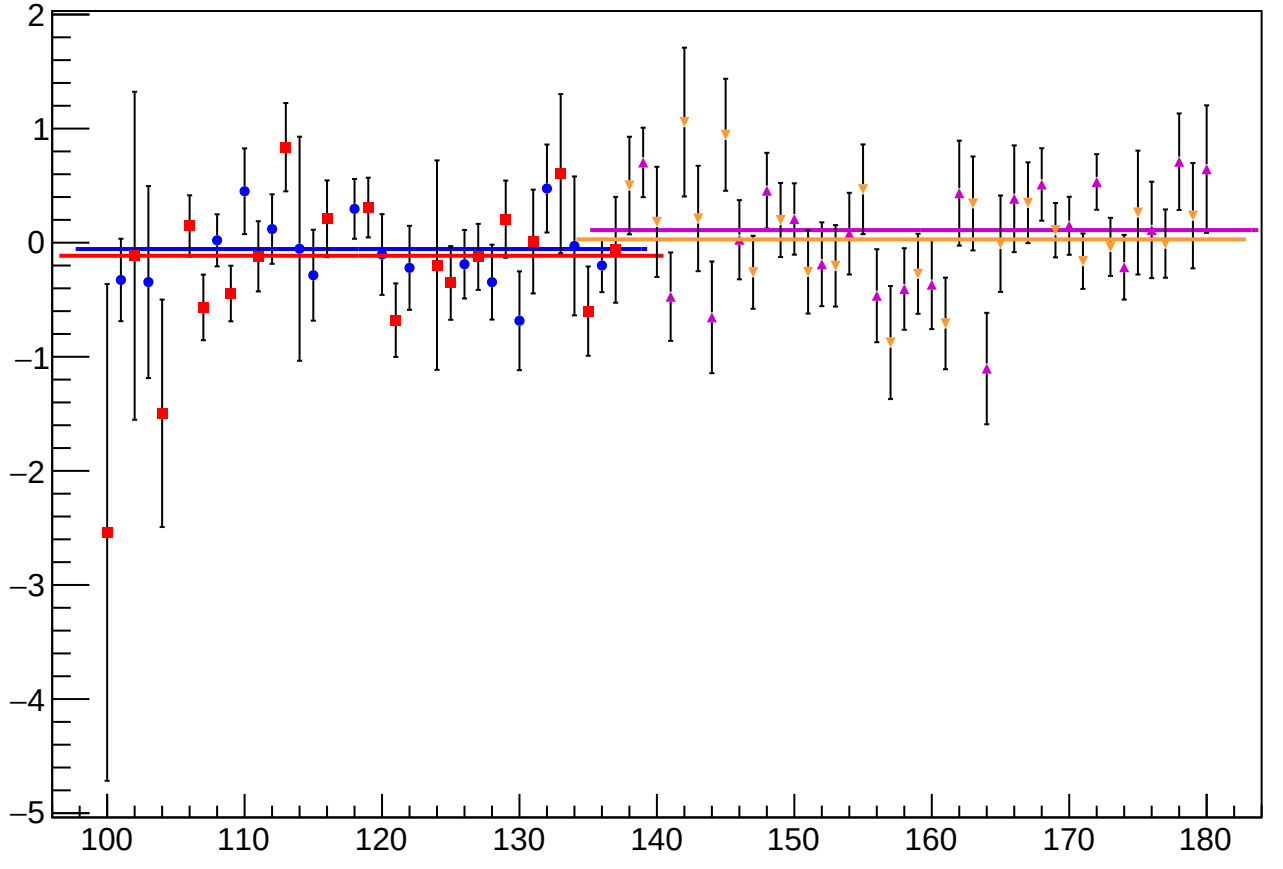
Left In: 0.000+/-0.000 χ^2/NDF:1355832.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 3413311.0/37

All: 0.000+/-0.000 χ^2/NDF: 6886911.8/77

- 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: 0.029+/-0.077 χ^2/NDF:20.9/21

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

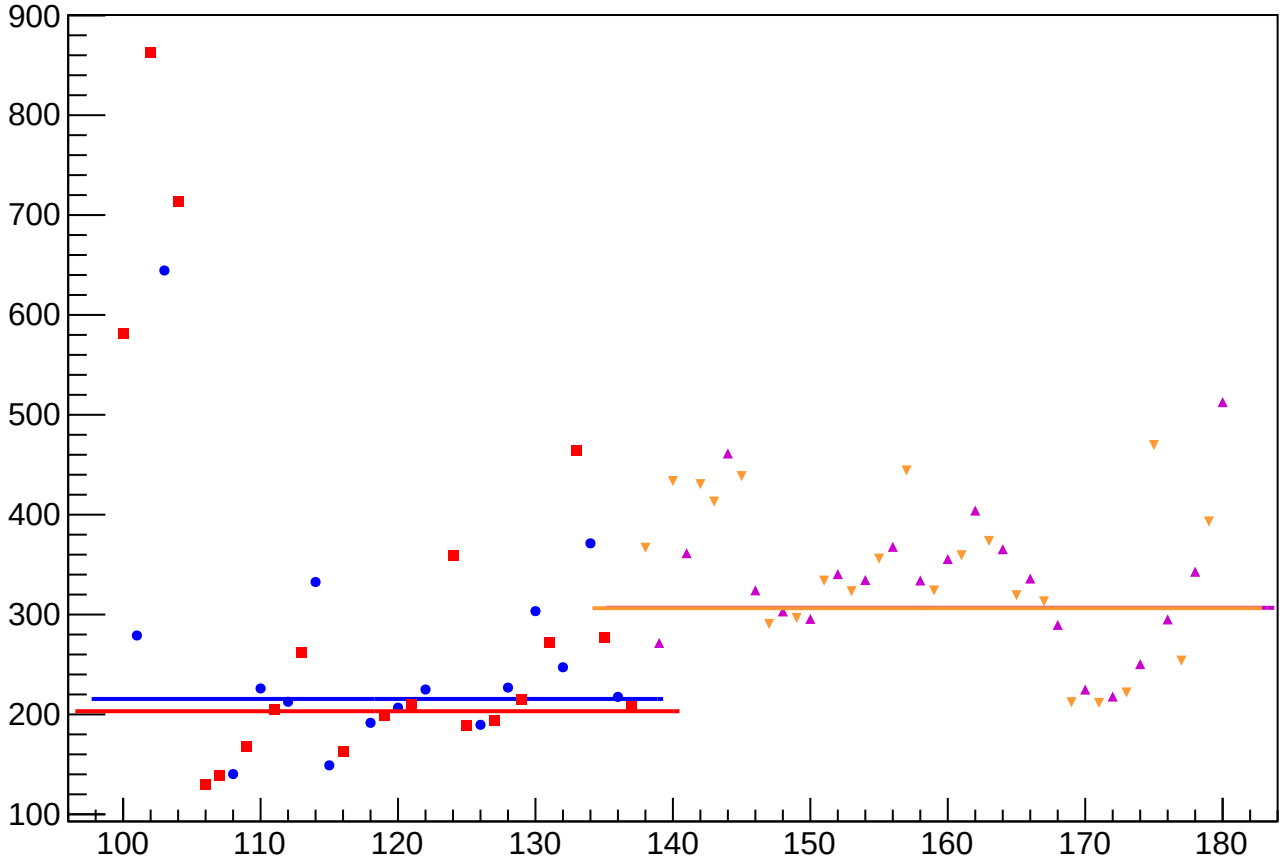
Left In: 0.111+/-0.077 χ^2/NDF:31.9/20

+ sign -0.009+/-0.057 χ^2/NDF: 32.1/37

All: -0.001+/-0.040 χ^2/NDF: 93.1/77

- sign 0.006+/-0.057 χ^2/NDF: 61.0/39

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 306.333+/-0.054 χ^2/NDF:1960021.9/21

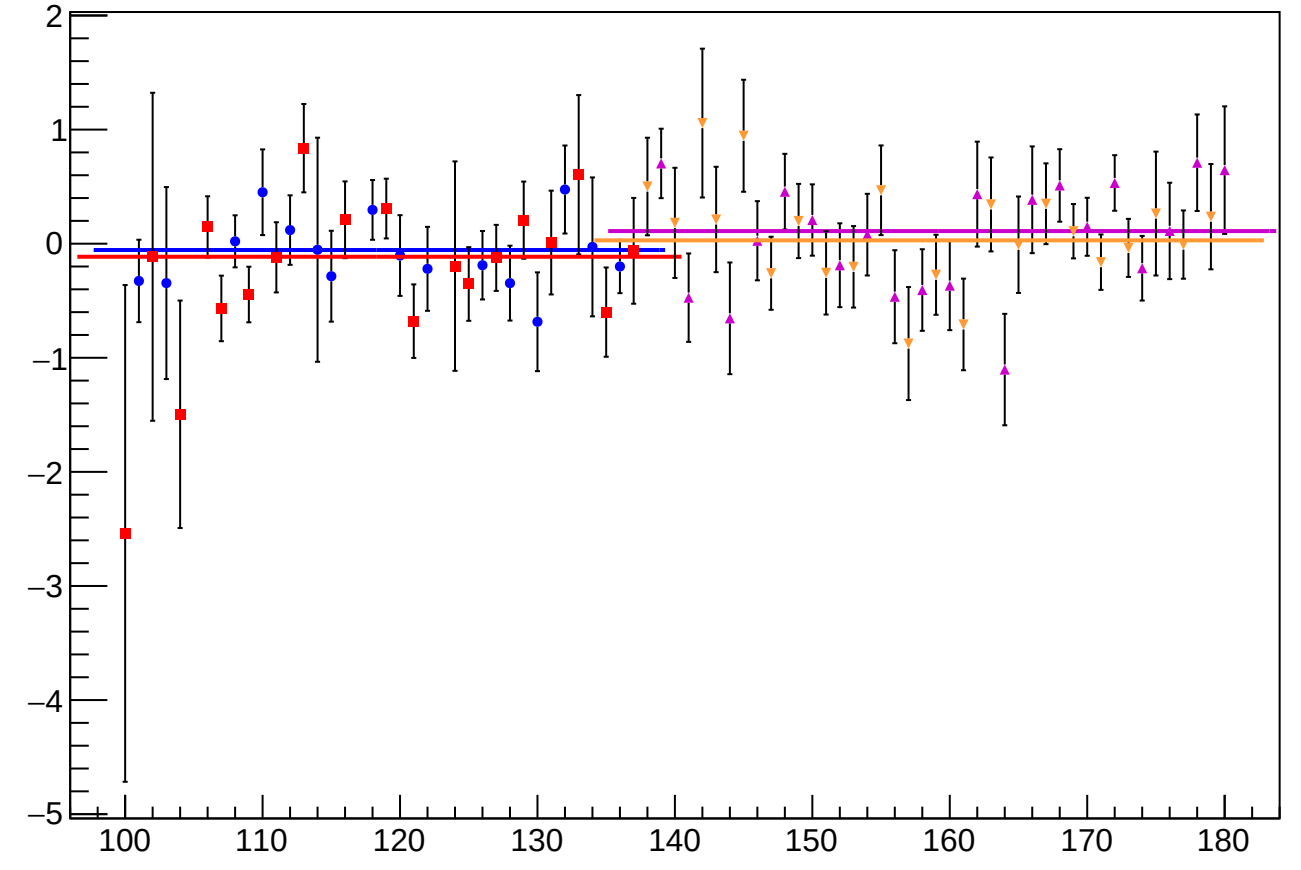
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 306.761+/-0.055 χ^2/NDF:1363143.1/20

+ sign 265.711+/-0.040 χ^2/NDF: 4356682.6/37

All: 262.227+/-0.028 χ^2/NDF: 9232975.3/77

- 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: 0.029+/-0.077 χ^2/NDF:20.9/21

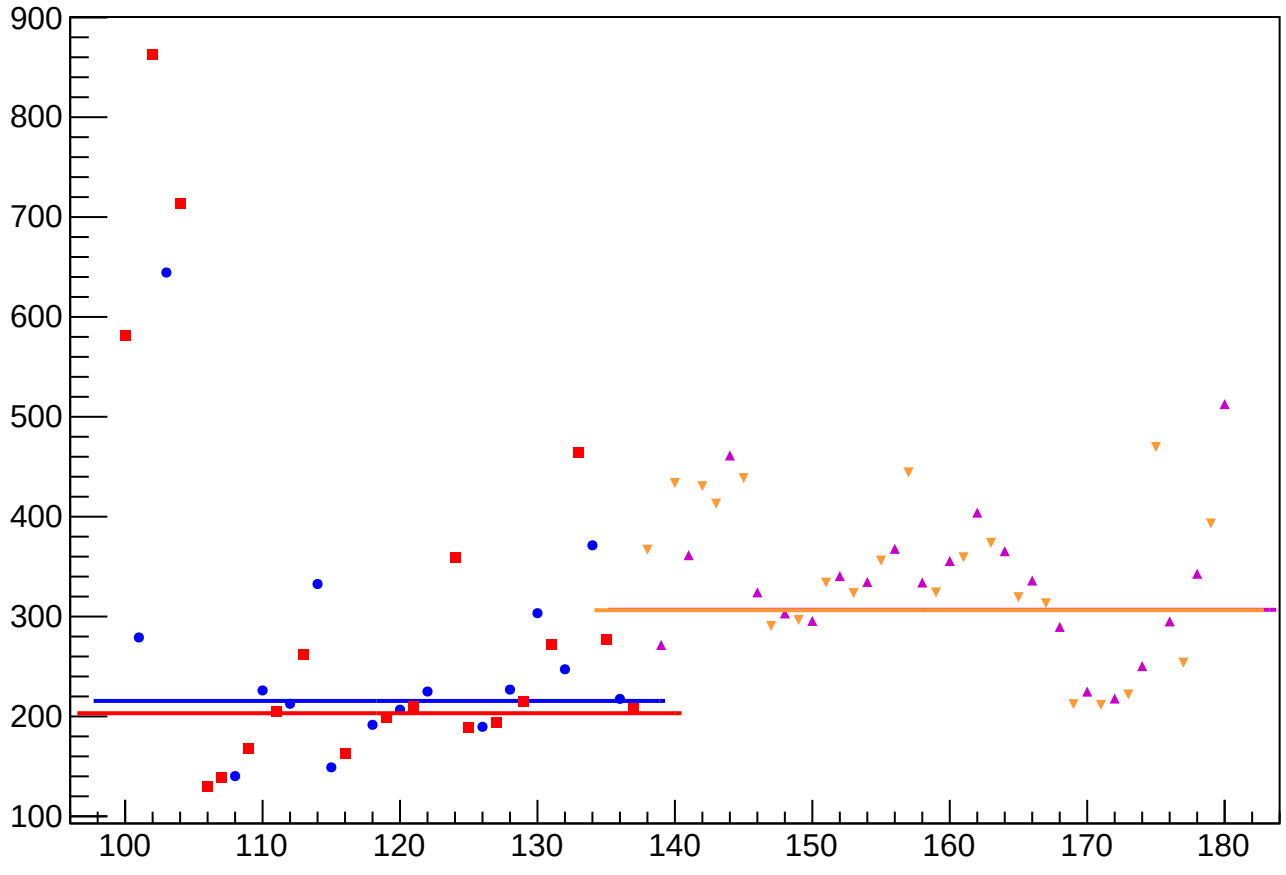
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.111+/-0.077 χ^2/NDF:31.9/20

+ sign -0.009+/-0.057 χ^2/NDF: 32.1/37

All: -0.001+/-0.040 χ^2/NDF: 93.1/77

- 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: 306.333+/-0.054 χ^2/NDF:1960021.9/21

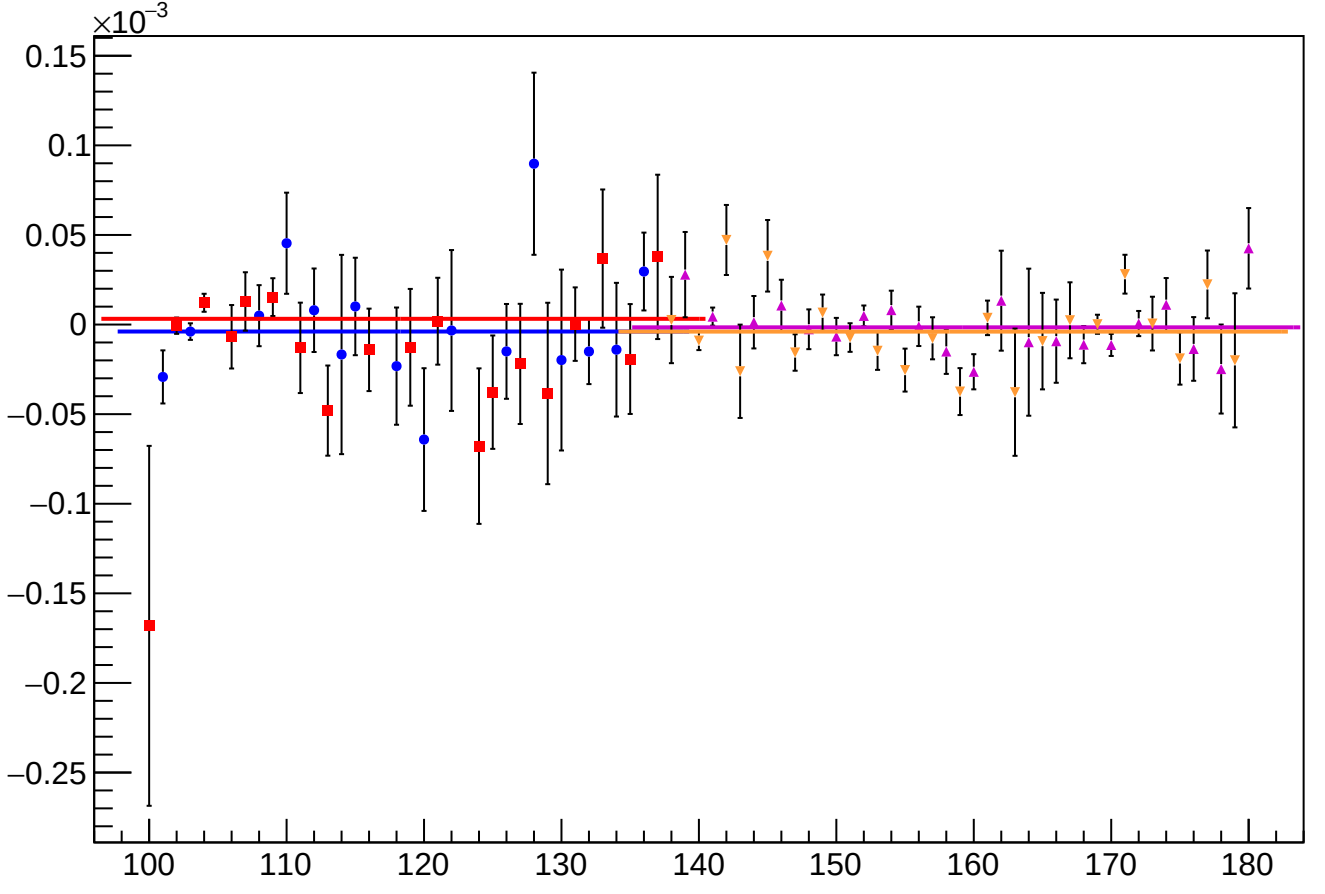
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 306.761+/-0.055 χ^2/NDF:1363143.1/20

+ sign 265.711+/-0.040 χ^2/NDF: 4356682.6/37

All: 262.227+/-0.028 χ^2/NDF: 9232975.3/77

- 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:40.8/21

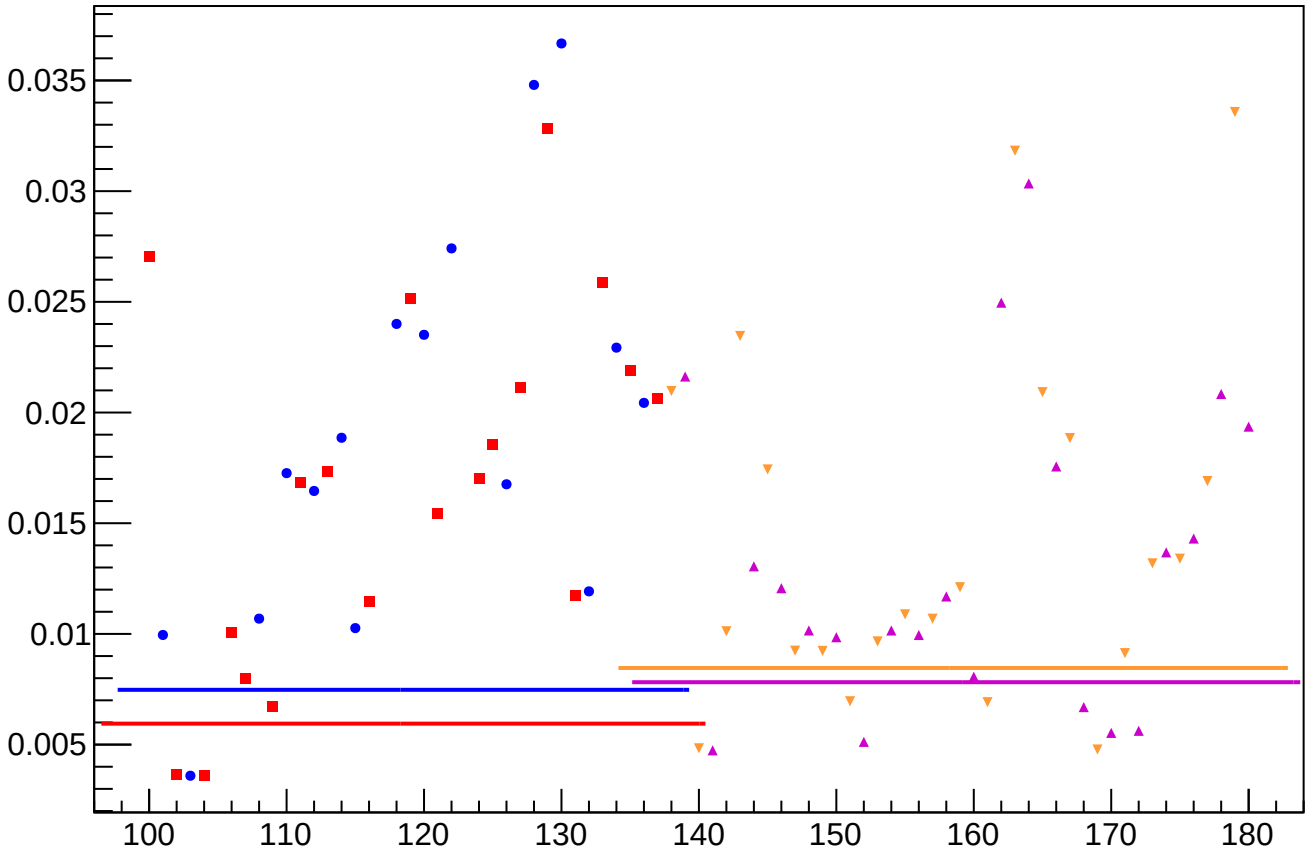
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 56.7/37

All: -0.000+/-0.000 χ^2/NDF: 105.8/77

- 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: 0.008+/-0.000 χ^2/NDF:7514706.5/21

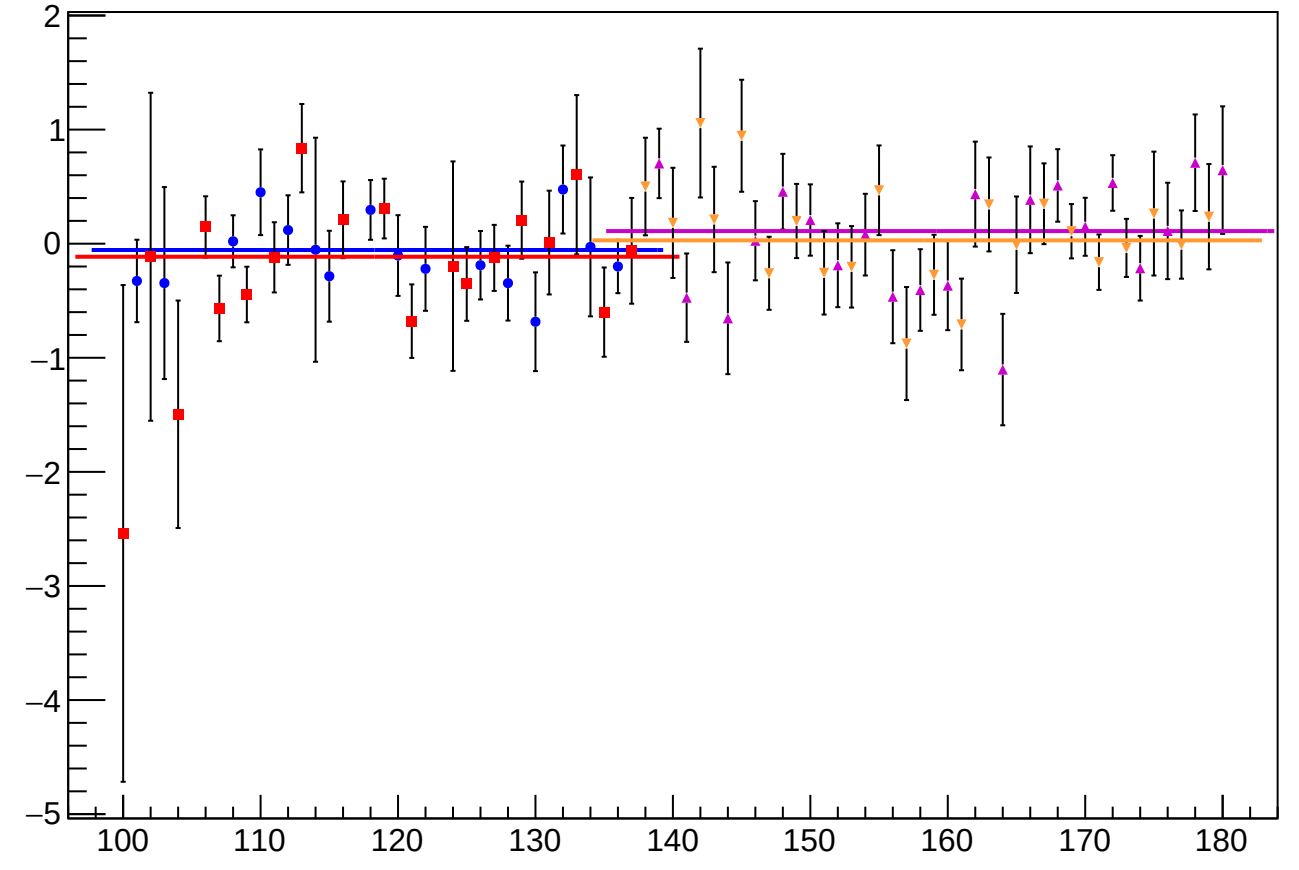
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:6669111.5/20

+ sign 0.008+/-0.000 χ^2/NDF: 13688639.8/37

All: 0.008+/-0.000 χ^2/NDF: 27134140.3/77

- 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: 0.029+/-0.077 χ^2/NDF:20.9/21

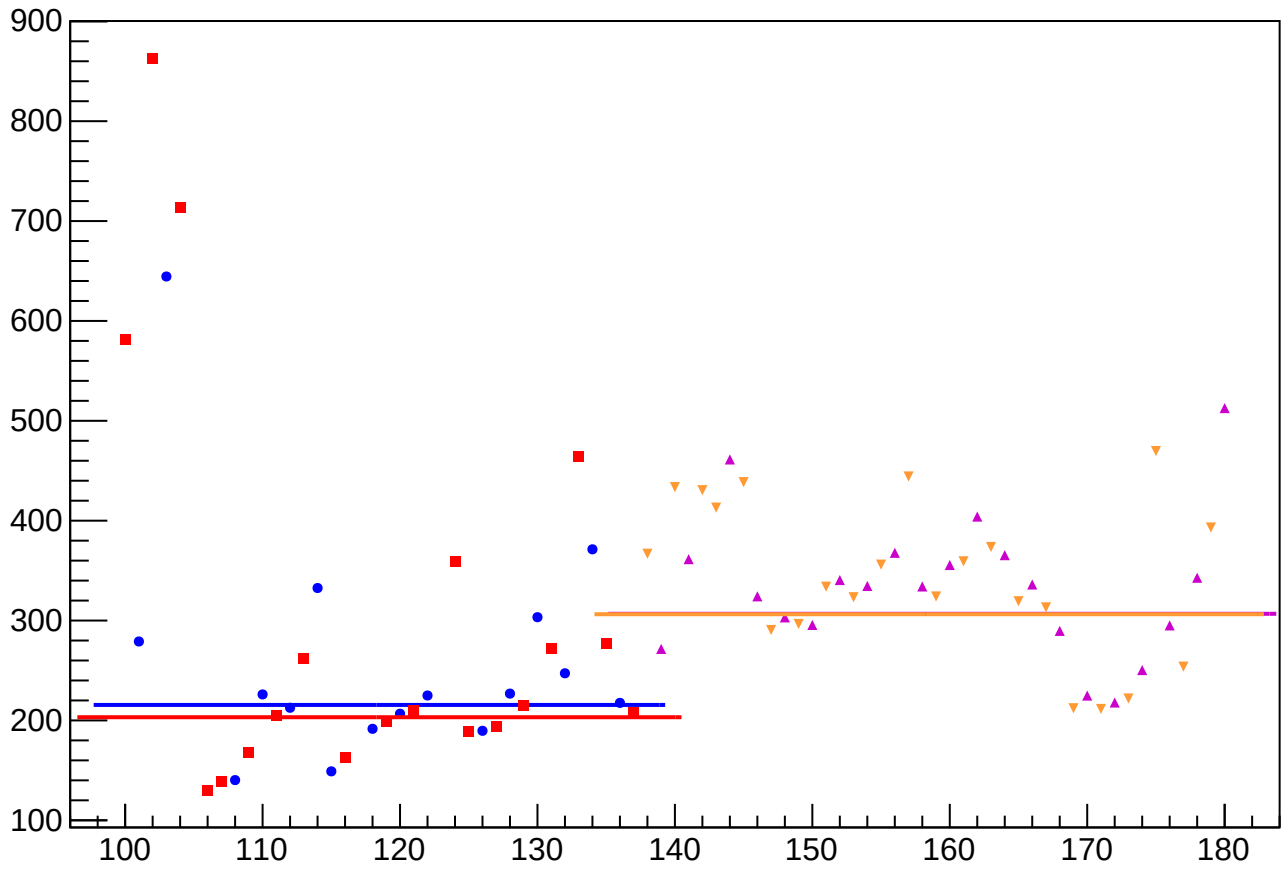
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.111+/-0.077 χ^2/NDF:31.9/20

+ sign -0.009+/-0.057 χ^2/NDF: 32.1/37

All: -0.001+/-0.040 χ^2/NDF: 93.1/77

- 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: 306.336+/-0.054 χ^2/NDF:1960098.5/21

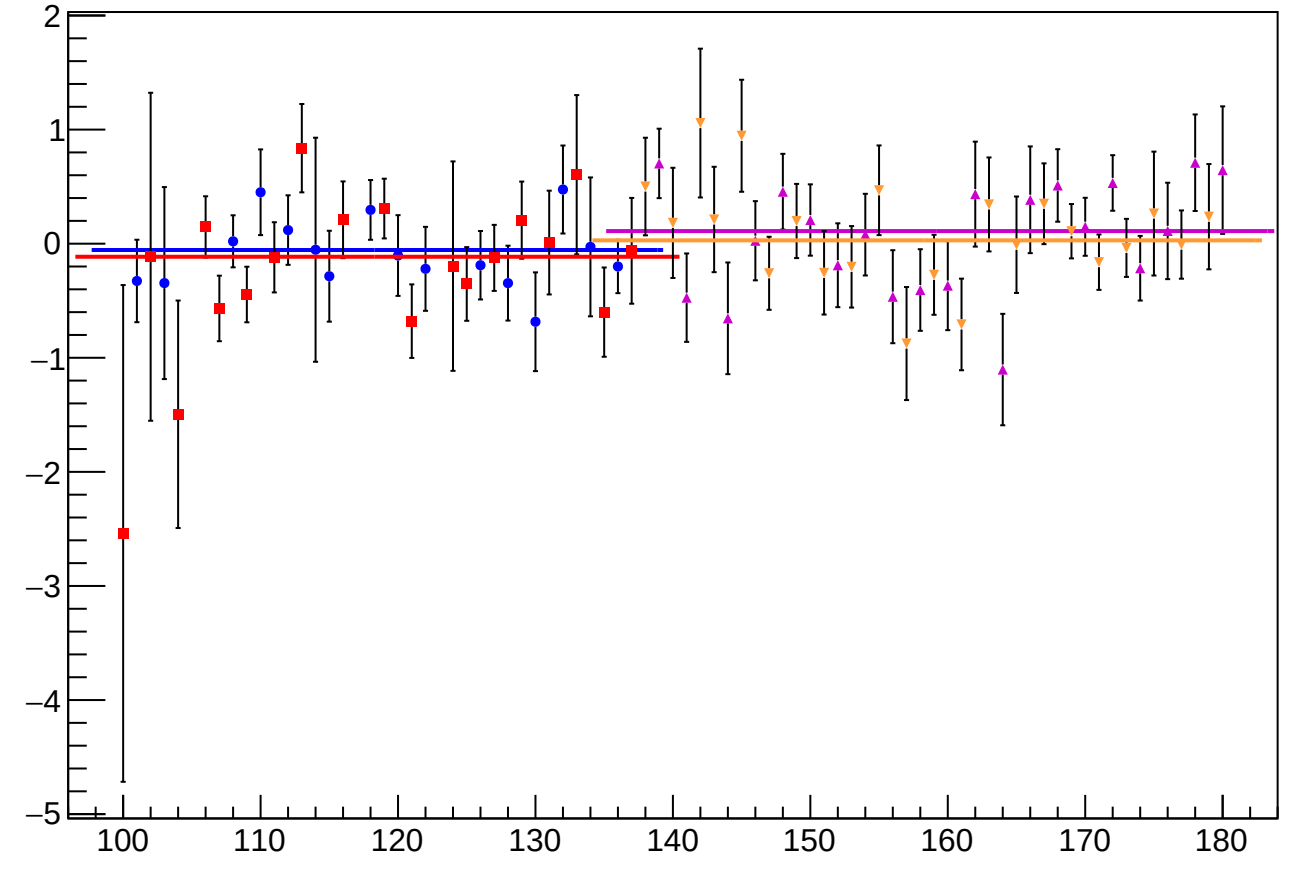
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 306.765+/-0.055 χ^2/NDF:1363186.3/20

+ sign 265.711+/-0.040 χ^2/NDF: 4356847.0/37

All: 262.227+/-0.028 χ^2/NDF: 9233320.2/77

- 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: 0.029+/-0.077 χ^2/NDF:20.9/21

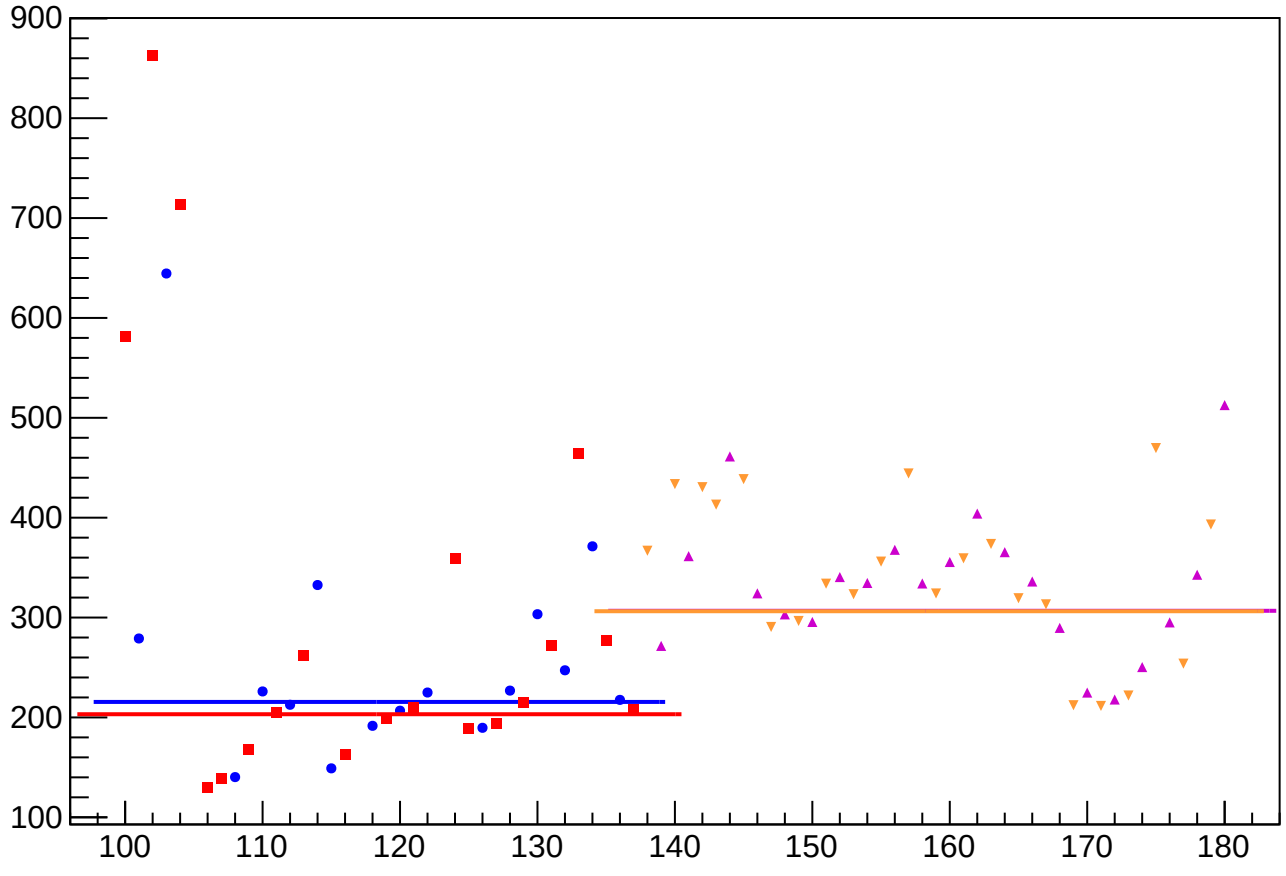
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.111+/-0.077 χ^2/NDF:31.9/20

+ sign -0.009+/-0.057 χ^2/NDF: 32.1/37

All: -0.001+/-0.040 χ^2/NDF: 93.1/77

- 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: 306.336+/-0.054 χ^2/NDF:1960098.5/21

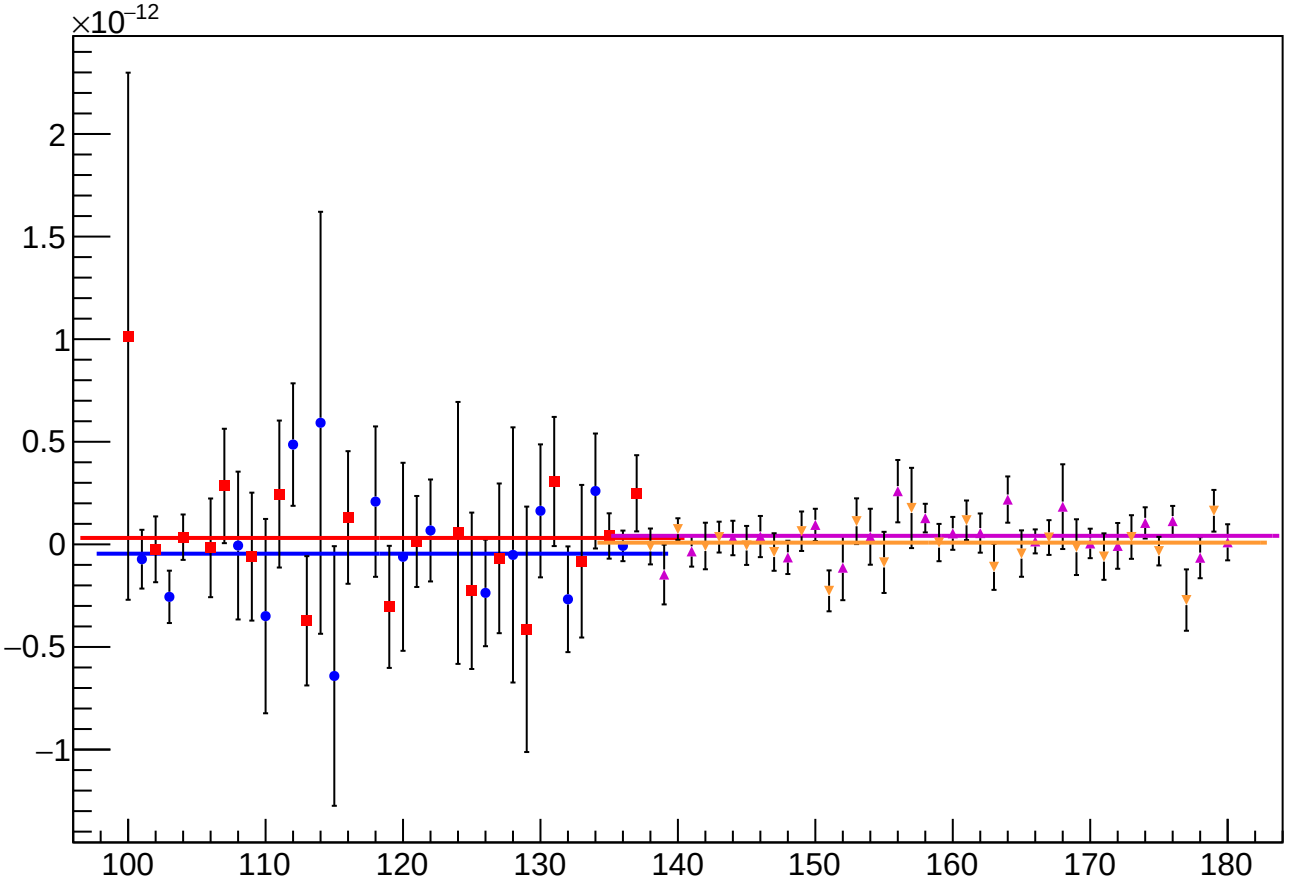
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 306.765+/-0.055 χ^2/NDF:1363186.3/20

+ sign 265.711+/-0.040 χ^2/NDF: 4356847.0/37

All: 262.227+/-0.028 χ^2/NDF: 9233320.2/77

- 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:19.3/21

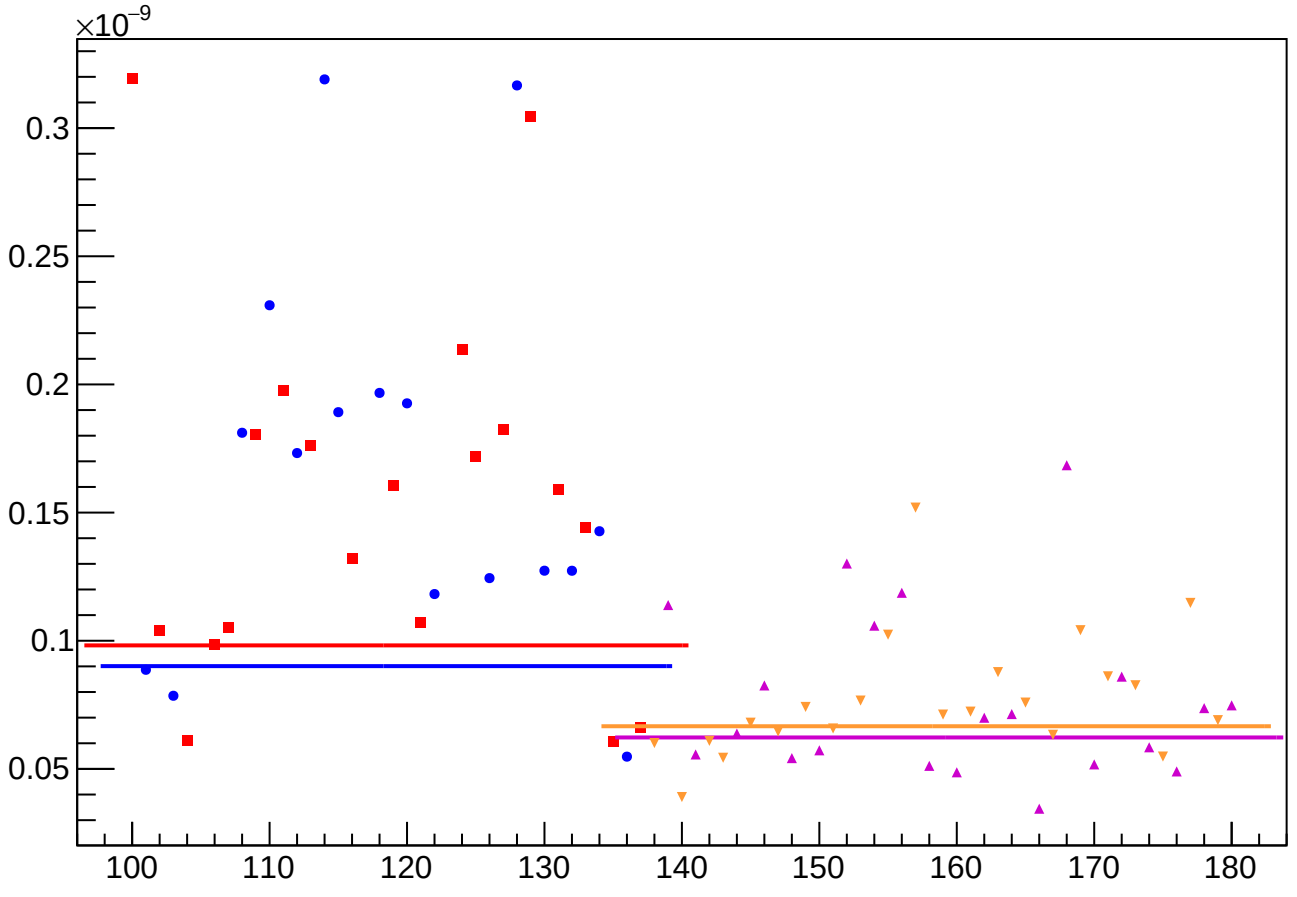
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 31.7/37

All: 0.000+/-0.000 χ^2/NDF: 58.4/77

- sign 0.000+/-0.000 χ^2/NDF: 24.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1758456.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

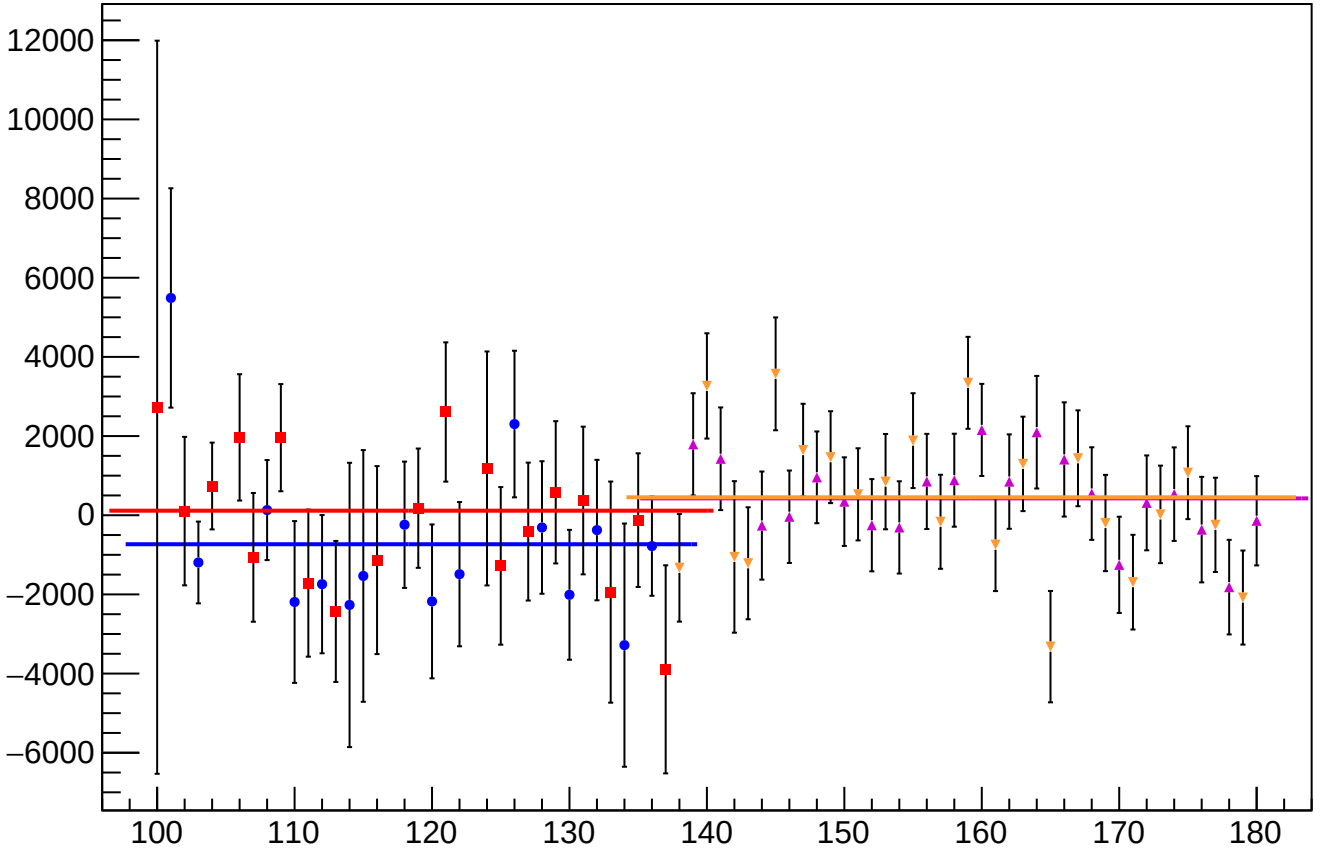
Left In: 0.000+/-0.000 χ^2/NDF:2609145.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 3944602.3/37

All: 0.000+/-0.000 χ^2/NDF: 9115362.5/77

- sign 0.000+/-0.000 χ^2/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: 453.380+/-265.284 χ^2/NDF:41.0/21

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

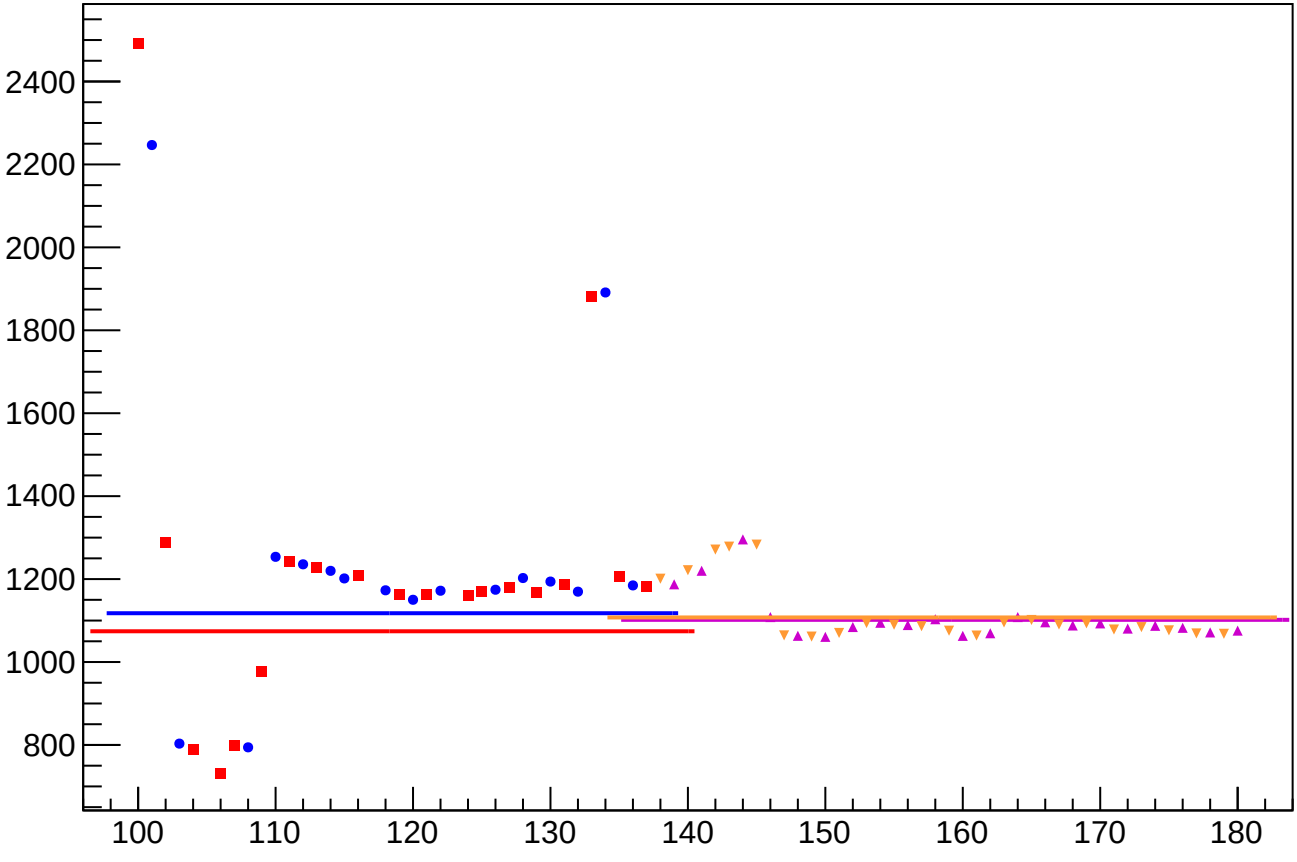
Left In: 425.271+/-265.543 χ^2/NDF:13.6/20

+ sign 123.484+/-225.393 χ^2/NDF: 58.2/37

All: 229.837+/-158.564 χ^2/NDF: 85.8/77

- 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: 1107.465+/-0.188 χ^2/NDF:120286.1/21

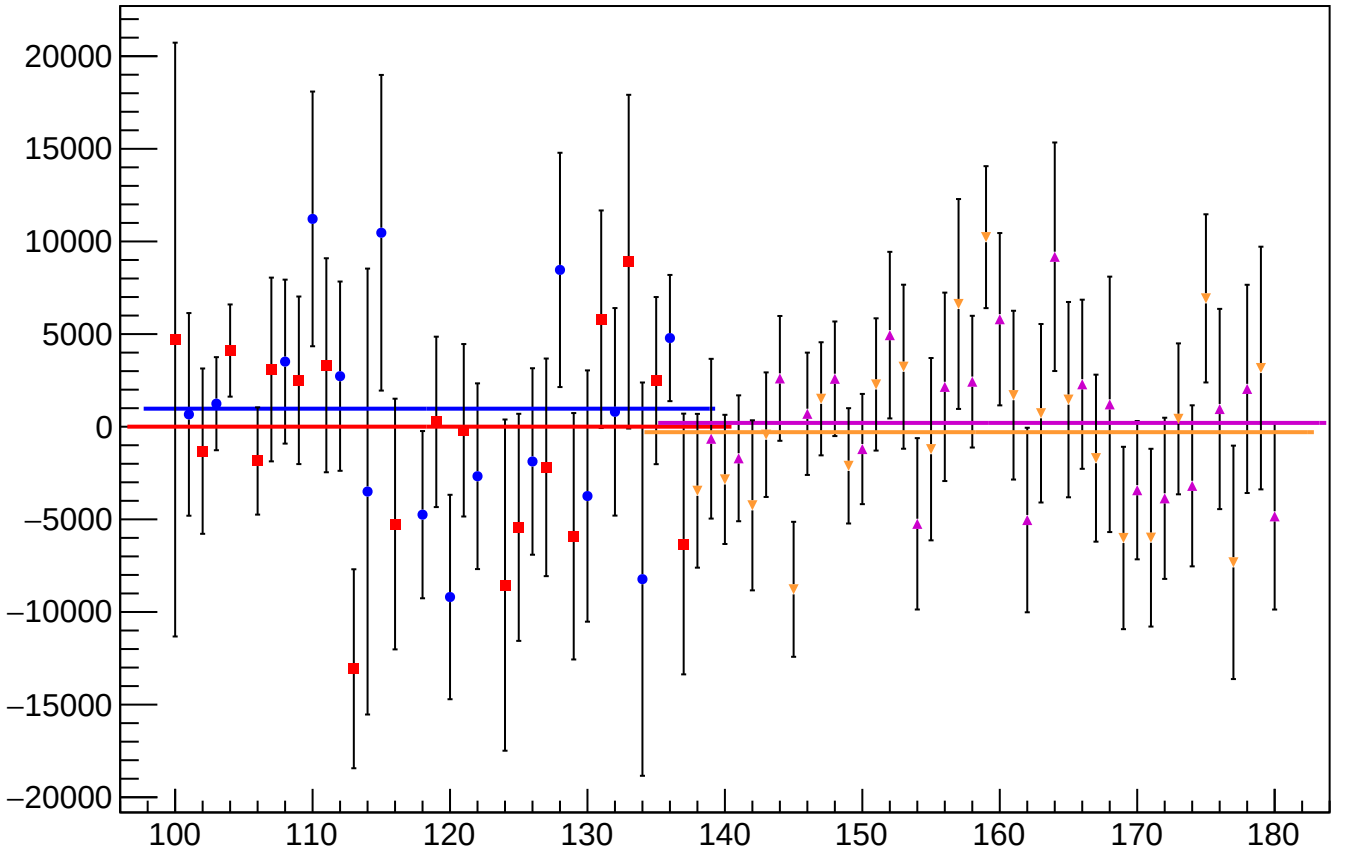
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1101.742+/-0.188 χ^2/NDF:79331.7/20

+ sign 1110.307+/-0.159 χ^2/NDF: 940946.6/37

All: 1101.814+/-0.112 χ^2/NDF: 1681821.3/77

- 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: -294.341+/-894.139 χ^2/NDF:25.5/21

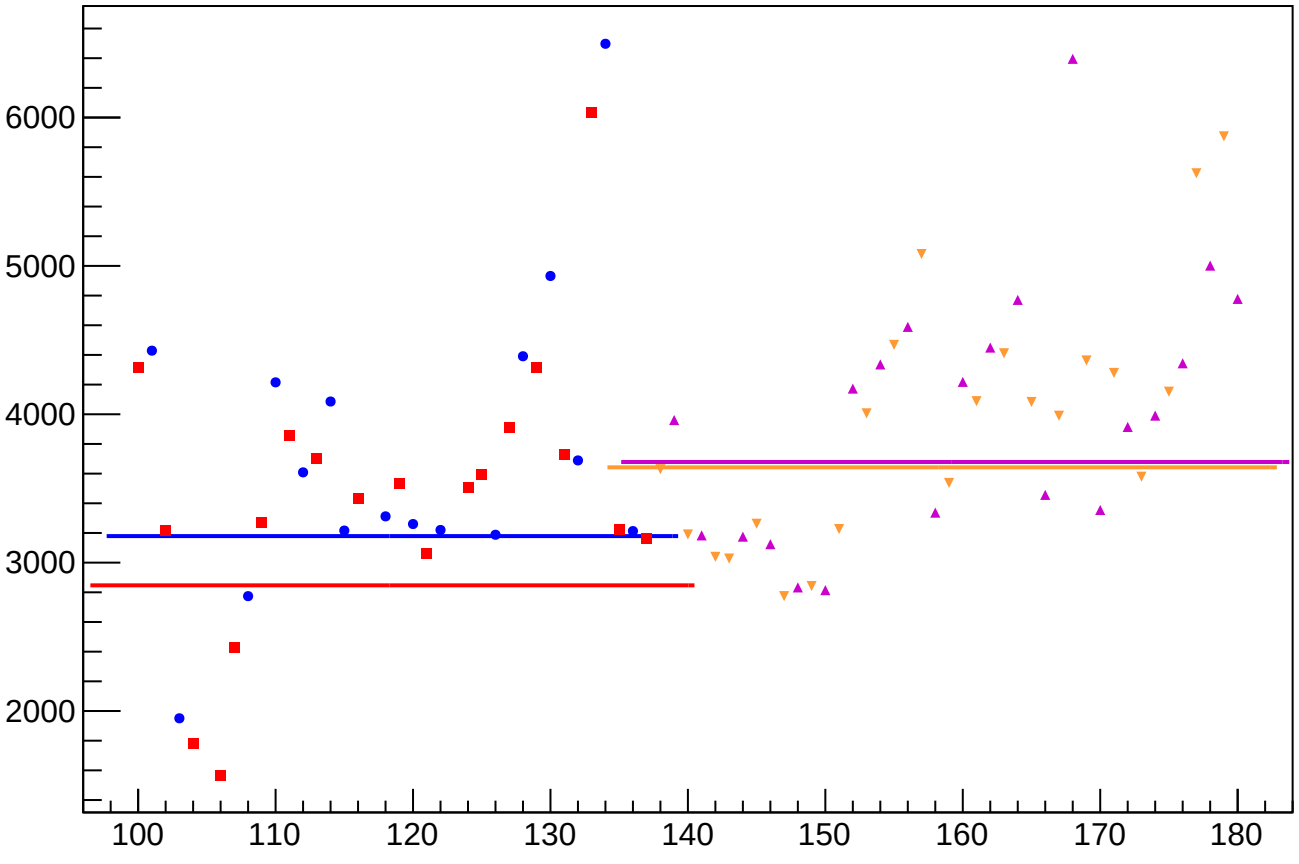
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 205.927+/-906.585 χ^2/NDF:13.2/20

+ sign 142.809+/-723.795 χ^2/NDF: 40.0/37

All: 133.658+/-504.338 χ^2/NDF: 69.8/77

- 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: 3642.392+/-0.632 χ^2/NDF:1307708.2/21

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

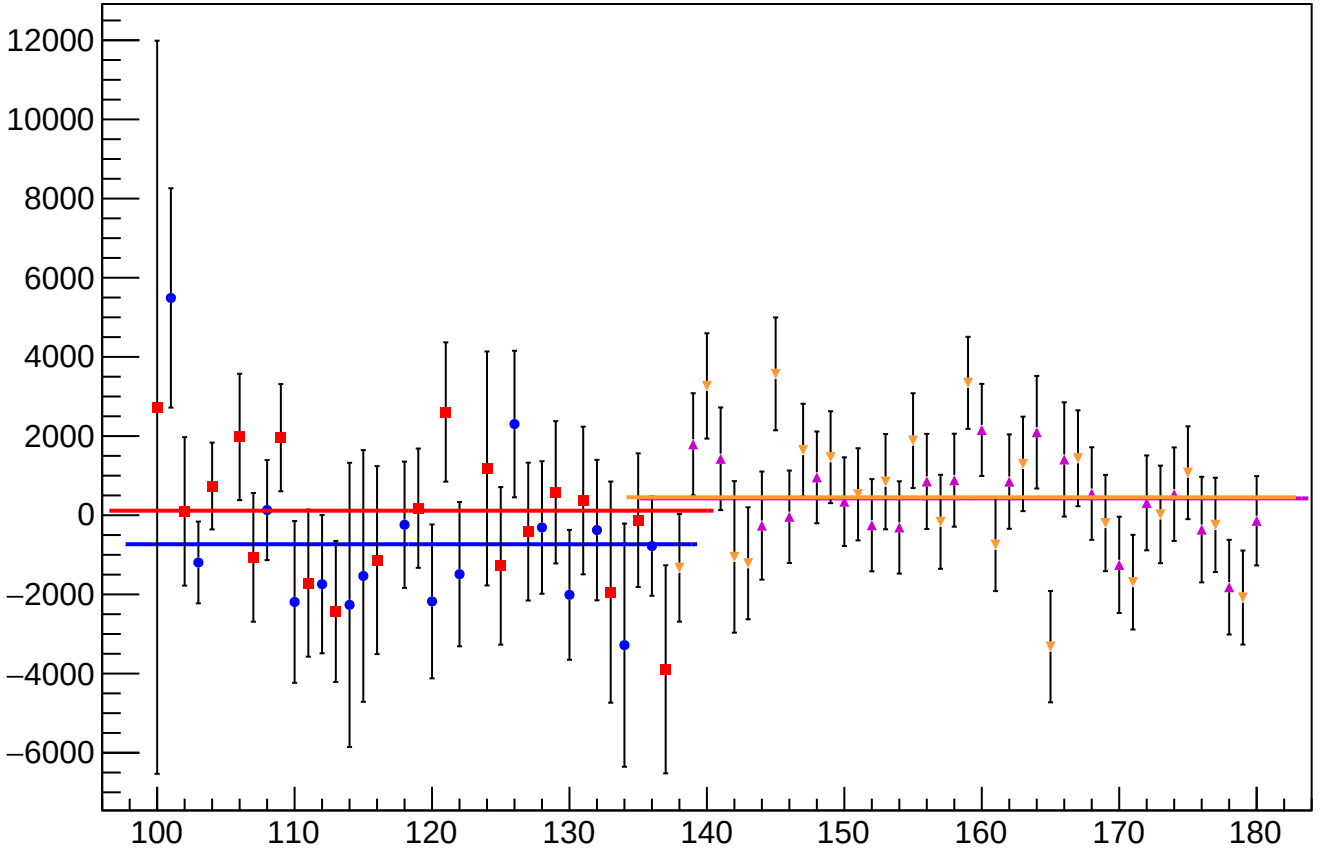
Left In: 3678.304+/-0.641 χ^2/NDF:1338296.0/20

+ sign 3482.602+/-0.512 χ^2/NDF: 2584669.2/37

All: 3412.872+/-0.357 χ^2/NDF: 6140253.2/77

- 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: 453.429+/-265.284 χ^2/NDF:41.0/21

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

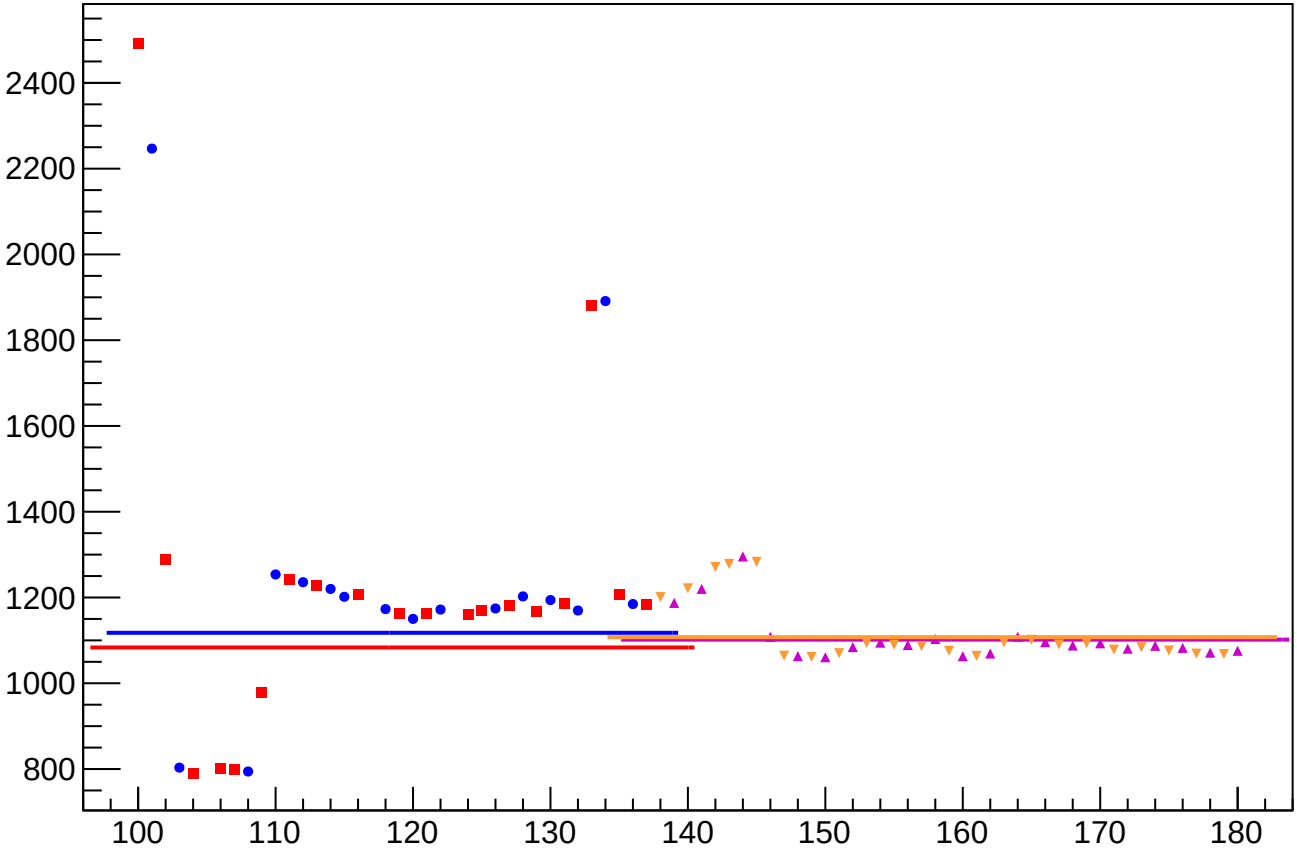
Left In: 425.190+/-265.543 χ^2/NDF:13.6/20

+ sign 123.538+/-225.393 χ^2/NDF: 58.2/37

All: 229.874+/-158.564 χ^2/NDF: 85.8/77

- 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: 1107.465+/-0.188 χ^2/NDF:120286.1/21

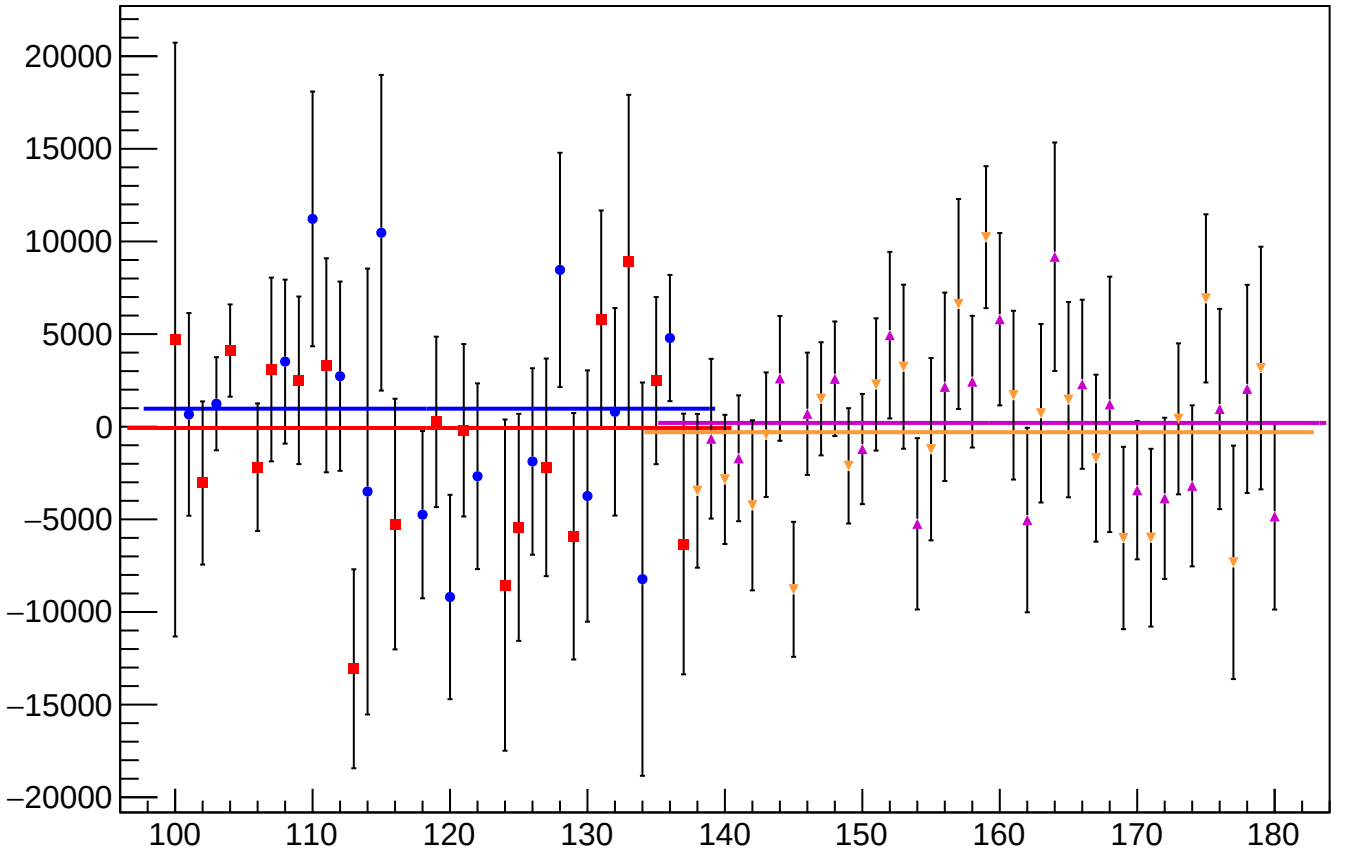
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1101.742+/-0.188 χ^2/NDF:79331.7/20

+ sign 1110.307+/-0.159 χ^2/NDF: 940943.2/37

All: 1103.249+/-0.112 χ^2/NDF: 1621980.0/77

- 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: -294.349+/-894.138 χ^2/NDF:25.5/21

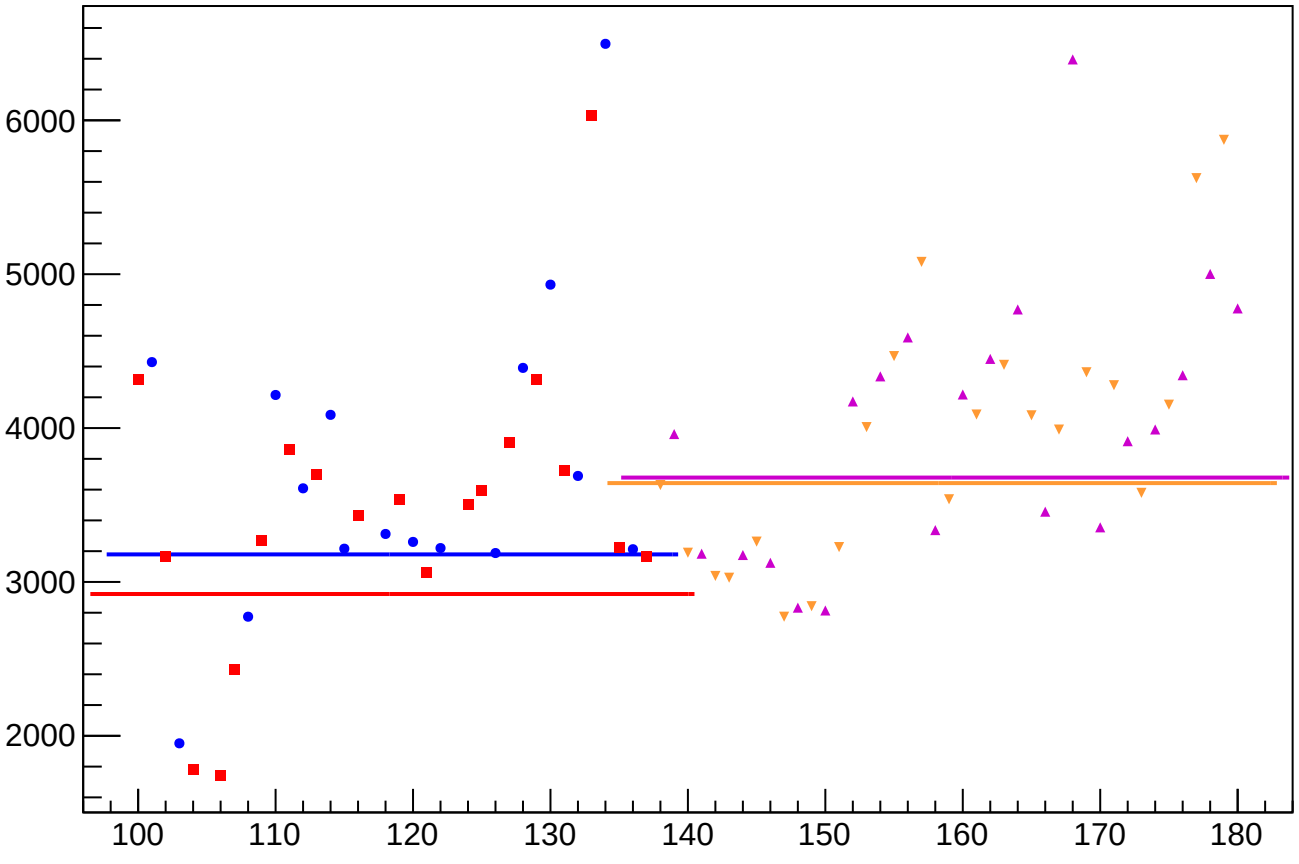
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 205.898+/-906.584 χ^2/NDF:13.2/20

+ sign 142.608+/-723.804 χ^2/NDF: 40.0/37

All: 120.809+/-506.512 χ^2/NDF: 70.2/77

- 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: 3642.388+/-0.632 χ^2/NDF:1307715.3/21

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

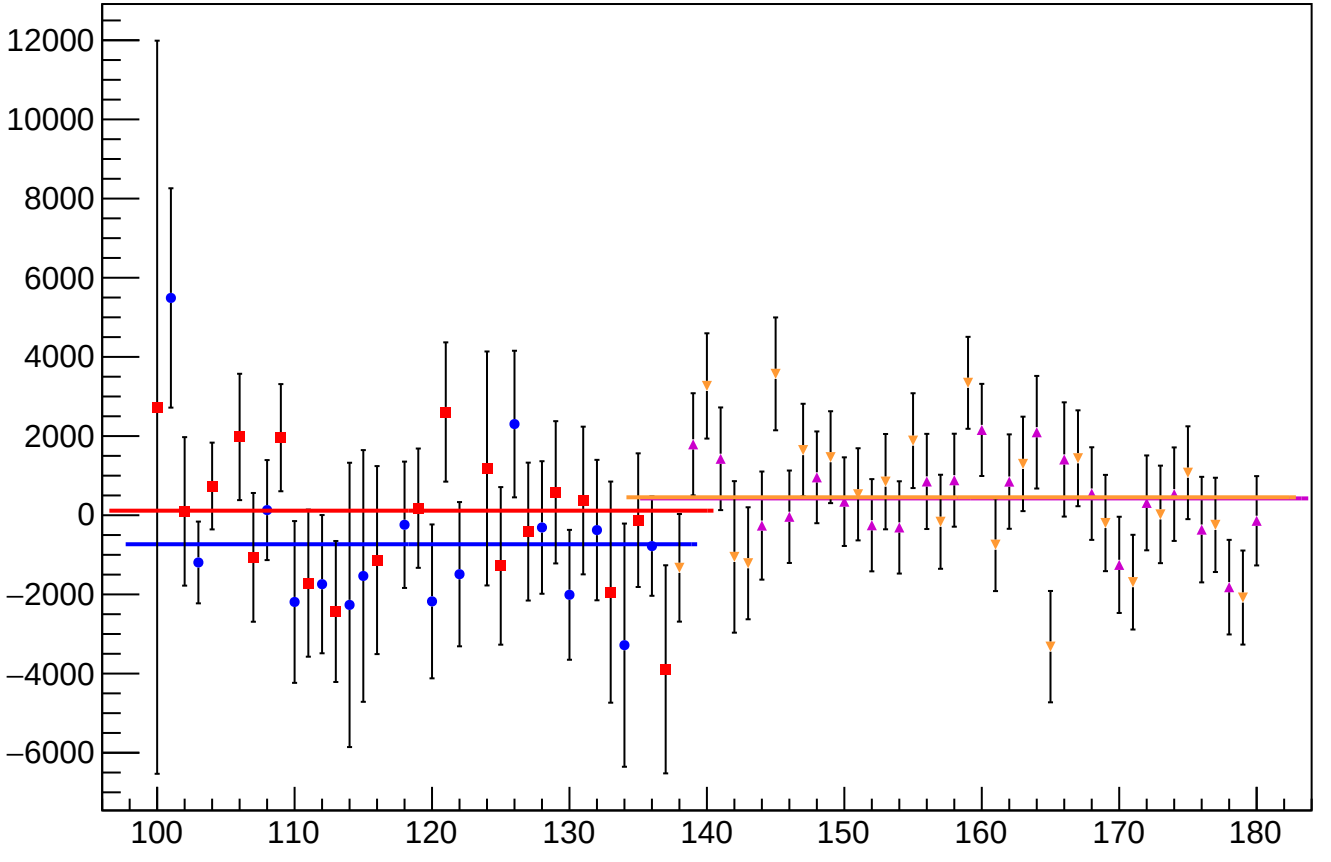
Left In: 3678.301+/-0.641 χ^2/NDF:1338297.8/20

+ sign 3482.672+/-0.512 χ^2/NDF: 2584076.0/37

All: 3432.574+/-0.358 χ^2/NDF: 5795011.8/77

- 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: 453.429+/-265.284 χ^2/NDF:41.0/21

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

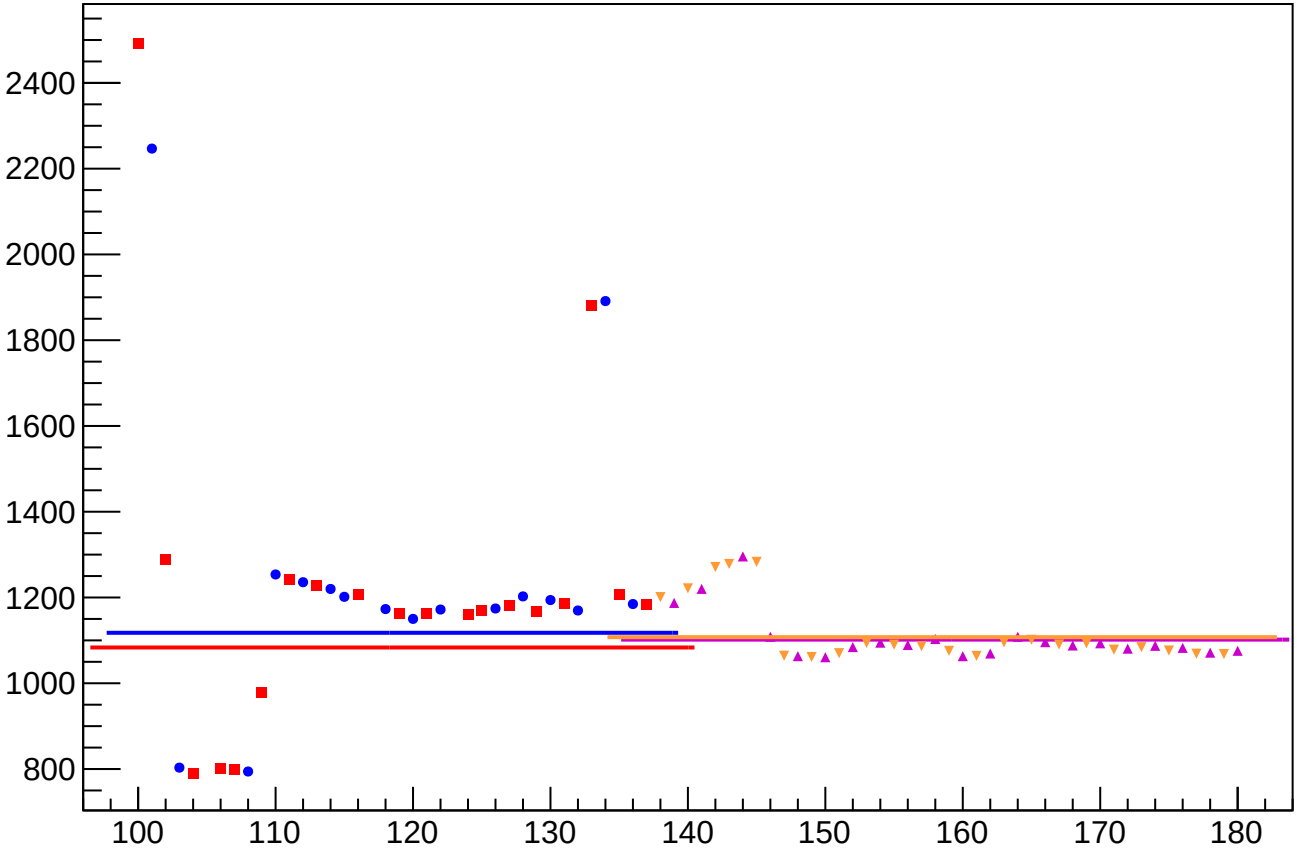
Left In: 425.190+/-265.543 χ^2/NDF:13.6/20

+ sign 123.538+/-225.393 χ^2/NDF: 58.2/37

All: 229.874+/-158.564 χ^2/NDF: 85.8/77

- 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: 1107.465+/-0.188 χ^2/NDF:120286.1/21

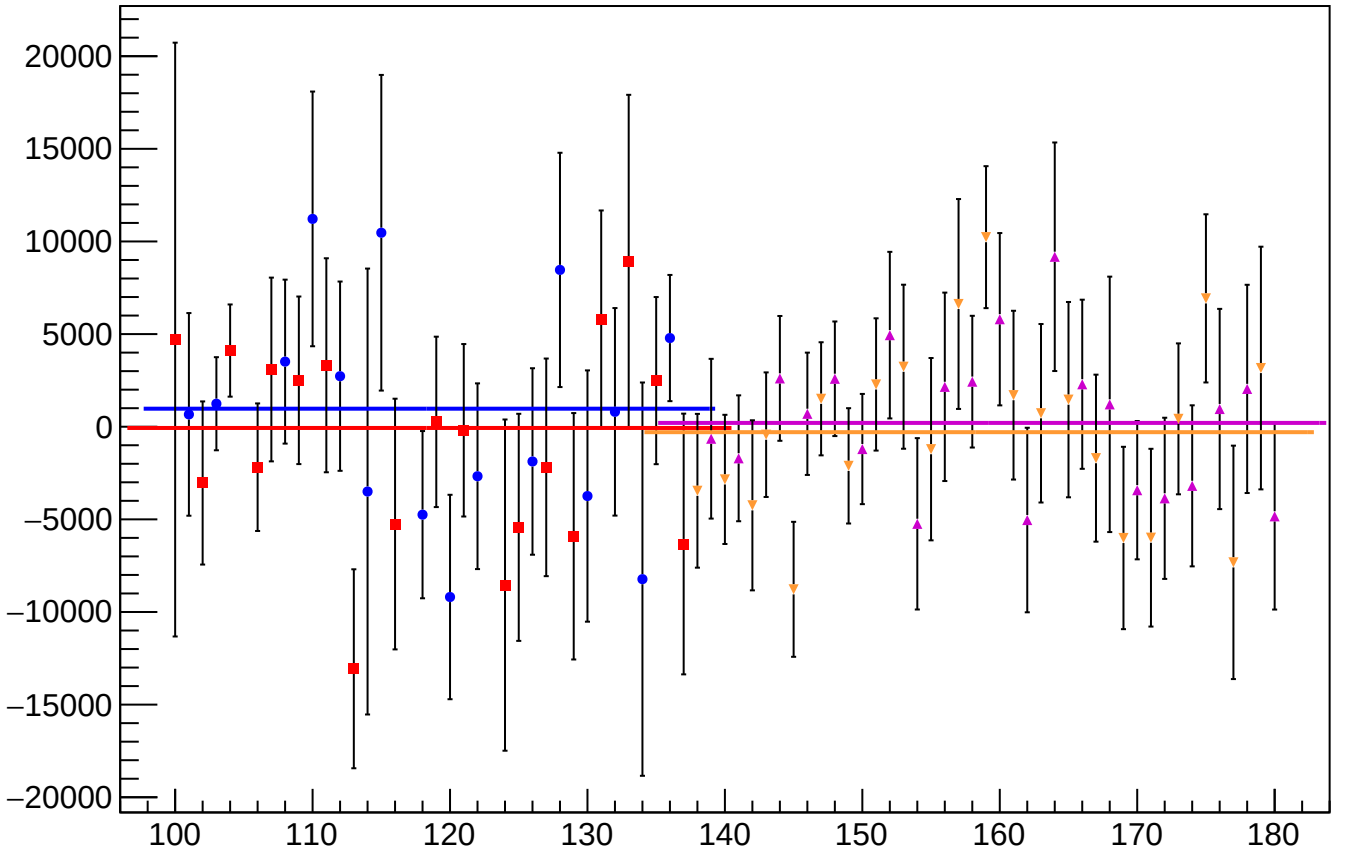
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1101.742+/-0.188 χ^2/NDF:79331.7/20

+ sign 1110.307+/-0.159 χ^2/NDF: 940943.2/37

All: 1103.249+/-0.112 χ^2/NDF: 1621980.0/77

- 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: -294.349+/-894.138 χ^2/NDF:25.5/21

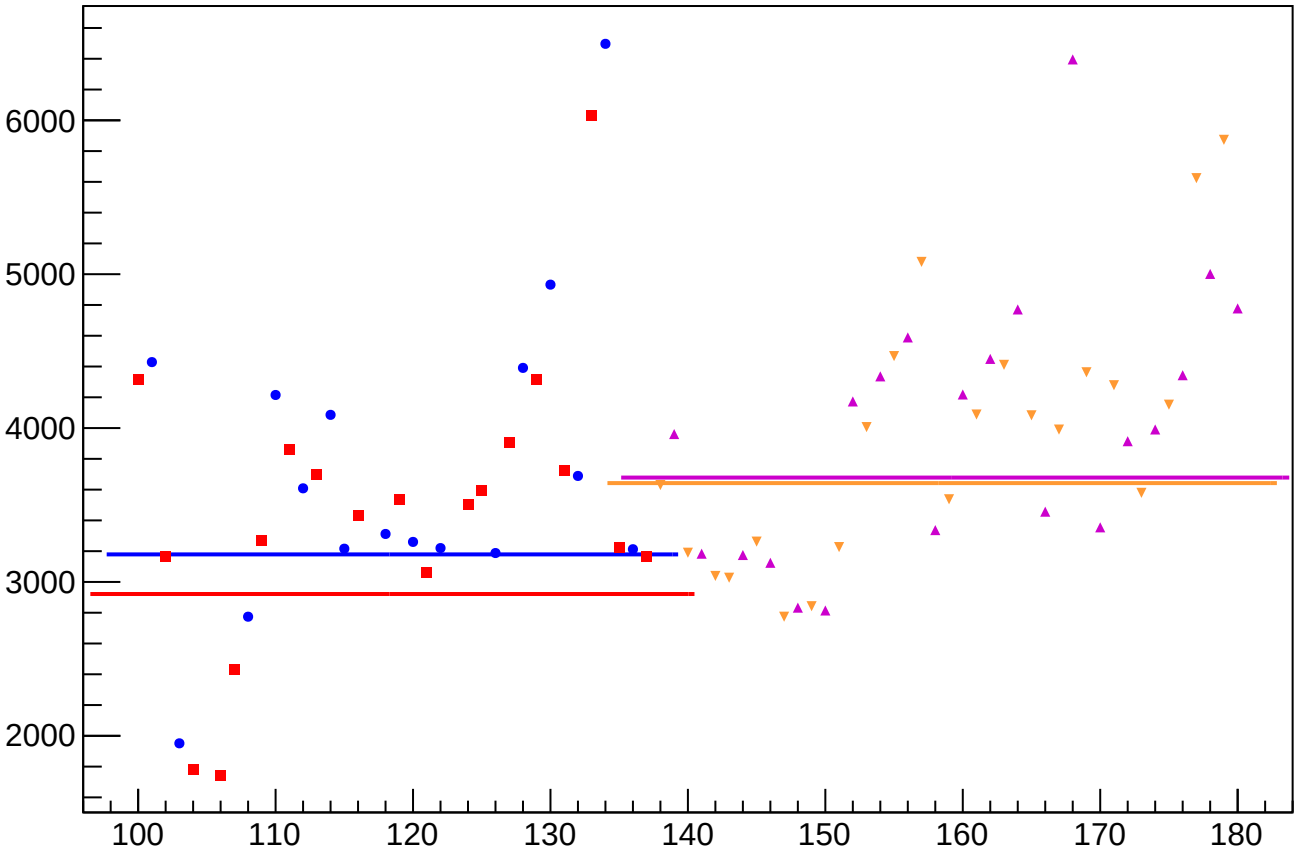
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 205.898+/-906.584 χ^2/NDF:13.2/20

+ sign 142.608+/-723.804 χ^2/NDF: 40.0/37

All: 120.809+/-506.512 χ^2/NDF: 70.2/77

- 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: 3642.388+/-0.632 χ^2/NDF:1307715.3/21

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

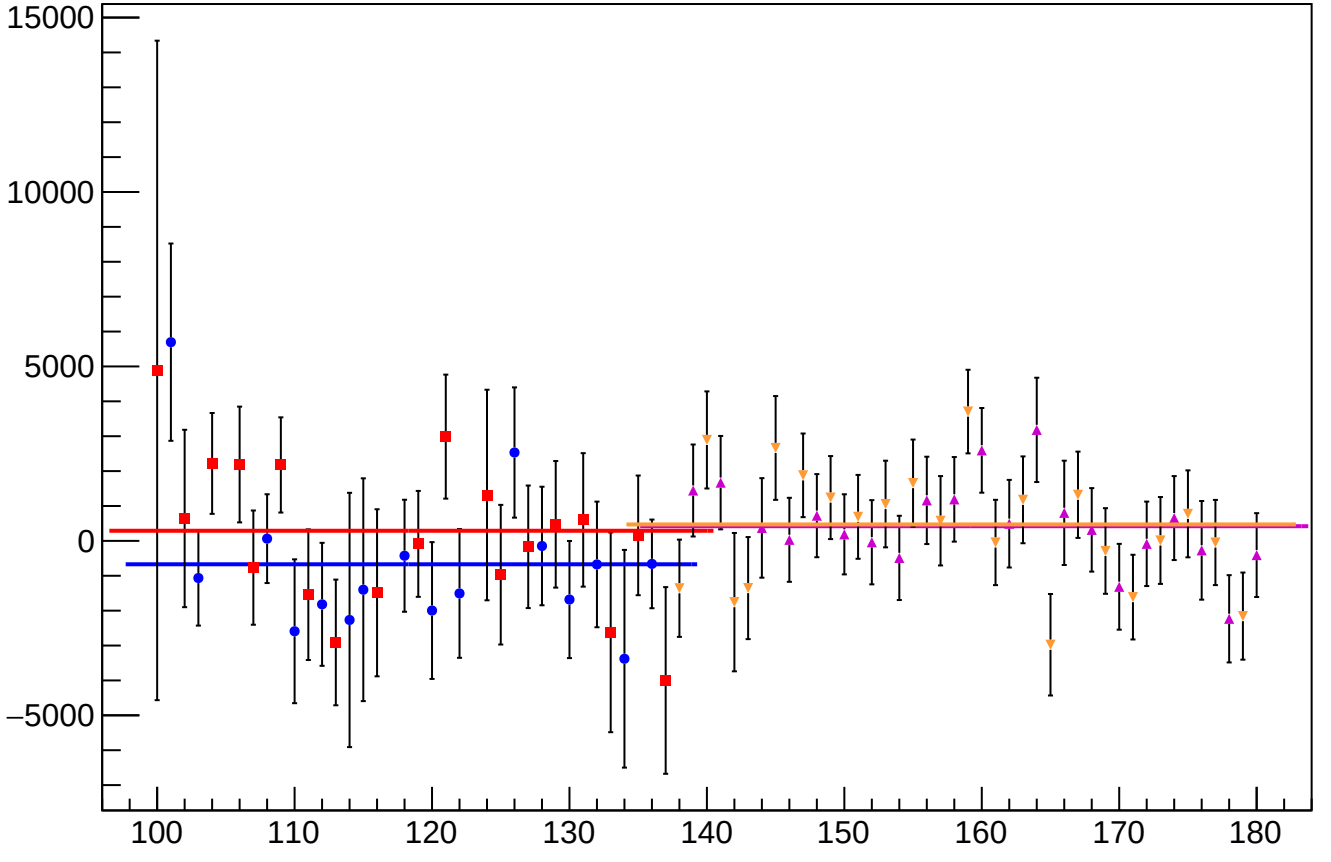
Left In: 3678.301+/-0.641 χ^2/NDF:1338297.8/20

+ sign 3482.672+/-0.512 χ^2/NDF: 2584076.0/37

All: 3432.574+/-0.358 χ^2/NDF: 5795011.8/77

- 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: 471.077+/-274.385 χ^2/NDF:34.7/21

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

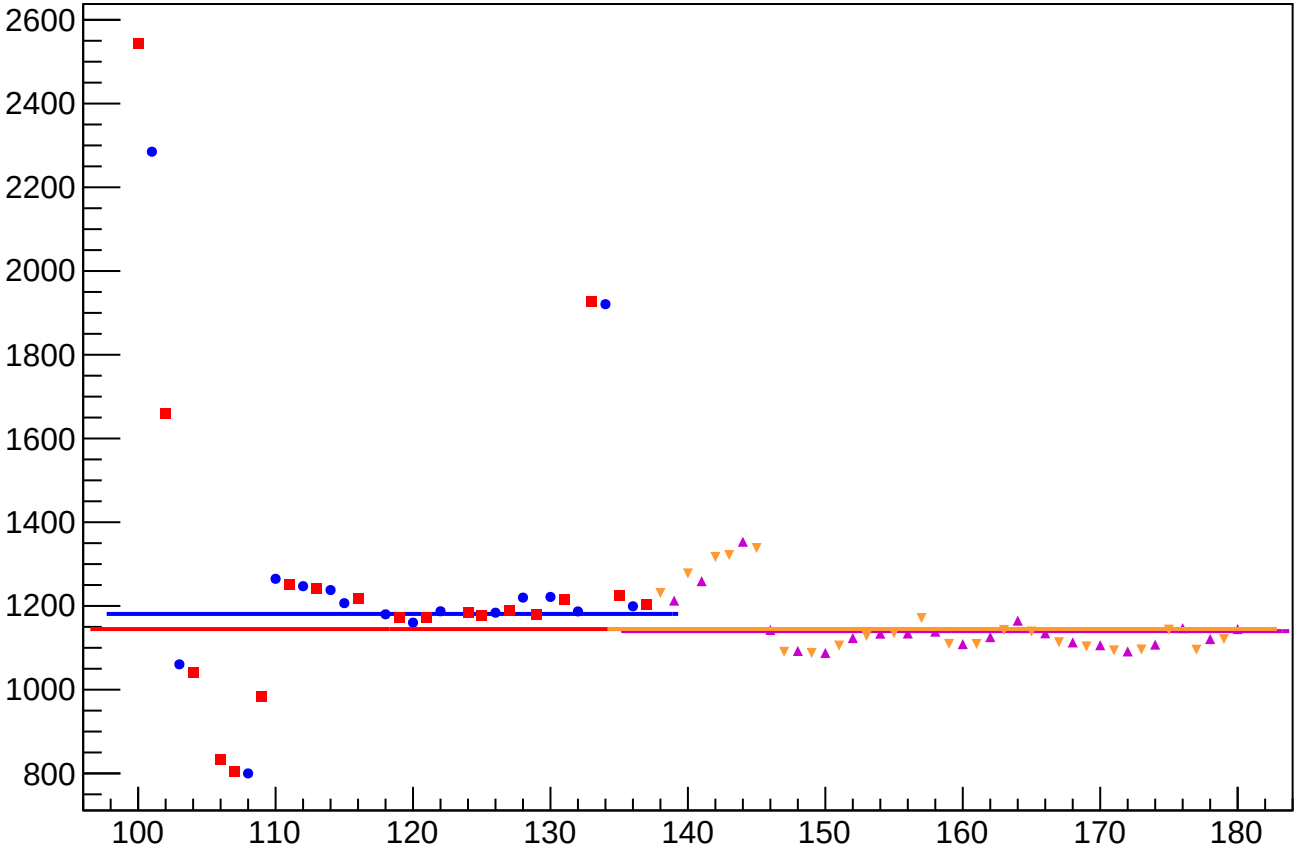
Left In: 420.189+/-274.809 χ^2/NDF:17.3/20

+ sign 160.086+/-234.058 χ^2/NDF: 51.3/37

All: 272.446+/-164.858 χ^2/NDF: 86.0/77

- 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: 1145.040+/-0.194 χ^2/NDF:133955.8/21

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

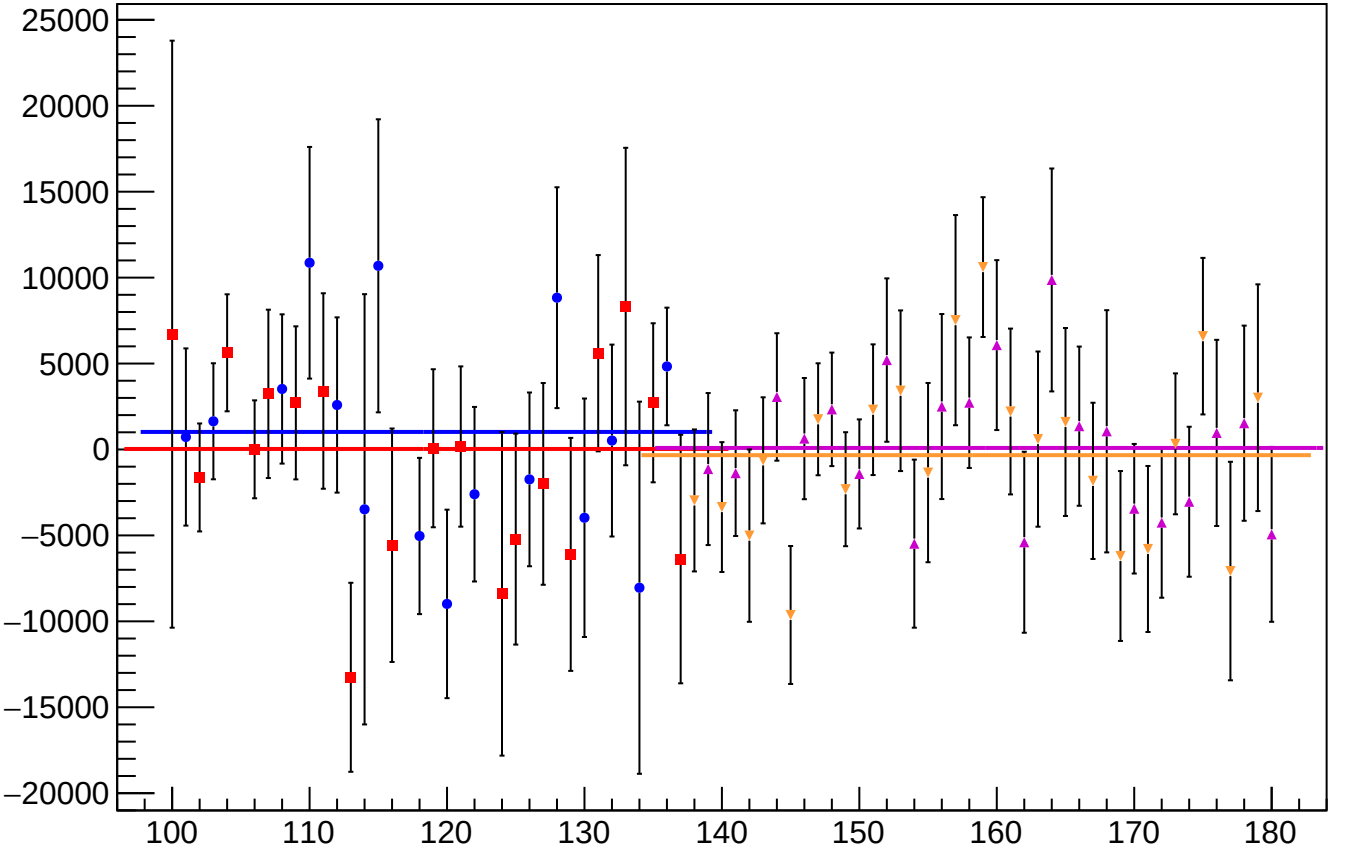
Left In: 1139.891+/-0.194 χ^2/NDF:84432.6/20

+ sign 1154.821+/-0.166 χ^2/NDF: 765167.0/37

All: 1148.001+/-0.117 χ^2/NDF: 1350880.6/77

- sign 1141.288+/-0.164 χ^2/NDF: 582344.0/39

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -331.155+/-940.151 χ^2/NDF:25.1/21

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

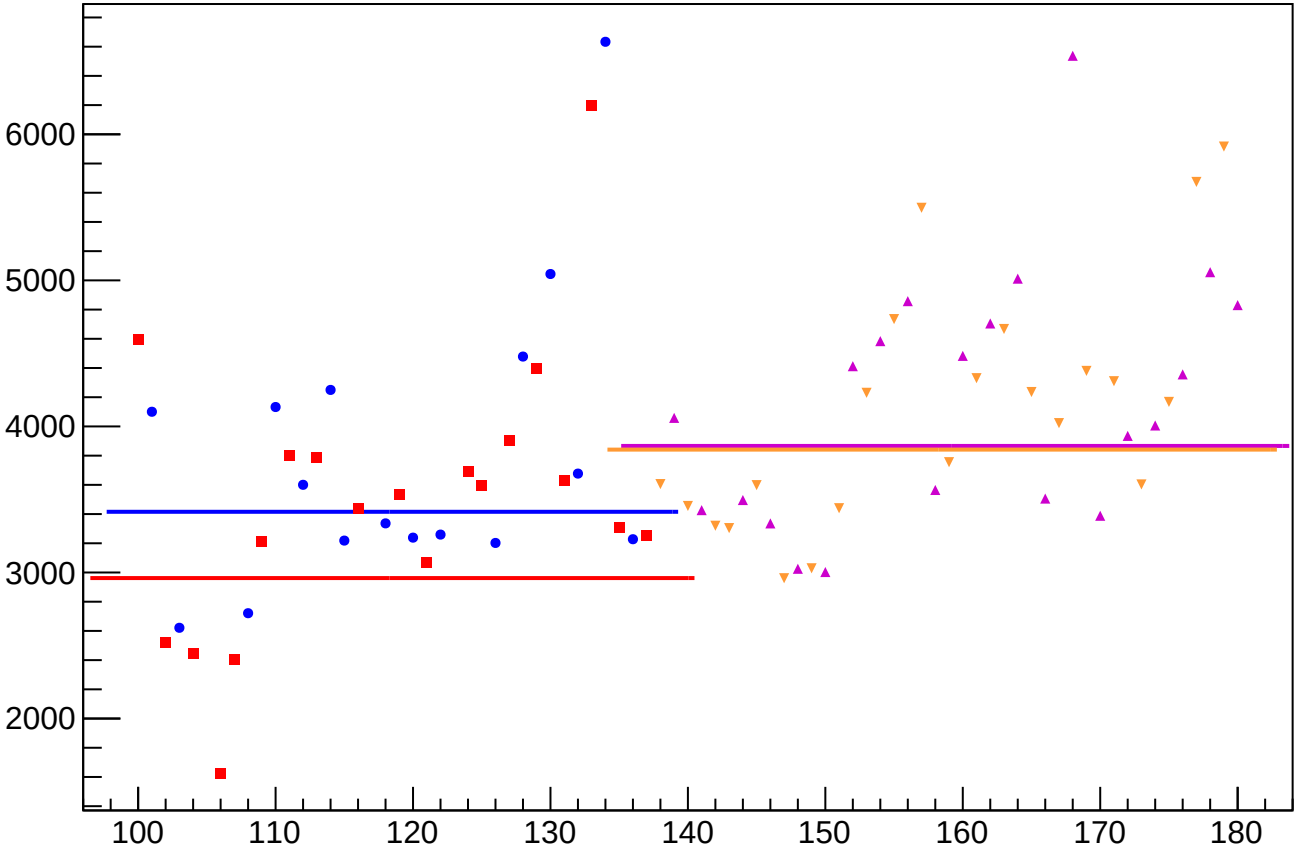
Left In: 88.993+/-950.755 χ^2/NDF:13.1/20

\+ sign 132.059+/-762.298 χ^2/NDF: 39.6/37

All: 96.772+/-526.369 χ^2/NDF: 68.9/77

\- 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: 3841.280+/-0.665 χ^2/NDF:1118152.1/21

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

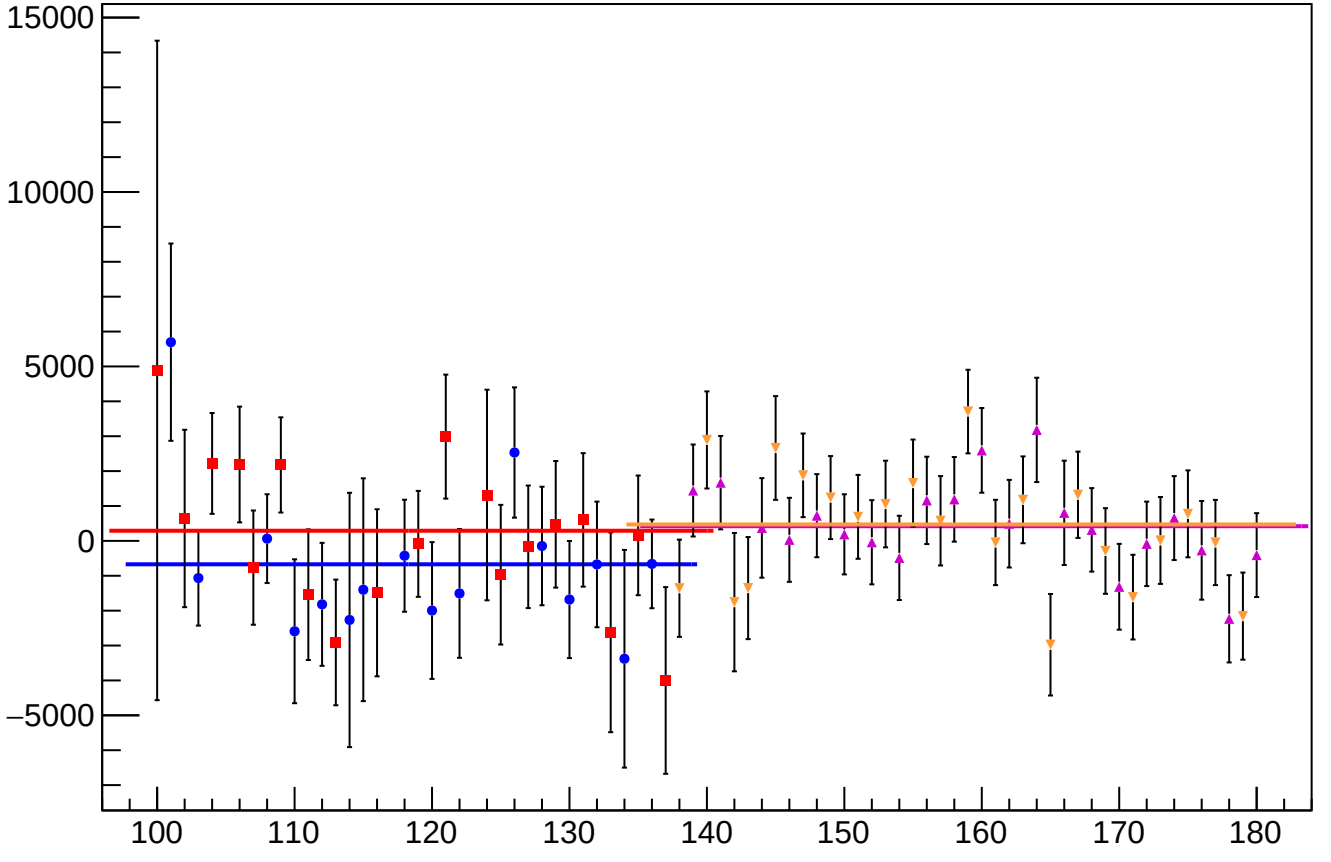
Left In: 3866.444+/-0.672 χ^2/NDF:1179676.7/20

+ sign 3695.456+/-0.539 χ^2/NDF: 1850956.1/37

All: 3588.884+/-0.372 χ^2/NDF: 5024548.8/77

- 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: 471.082+/-274.385 χ^2/NDF:34.7/21

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

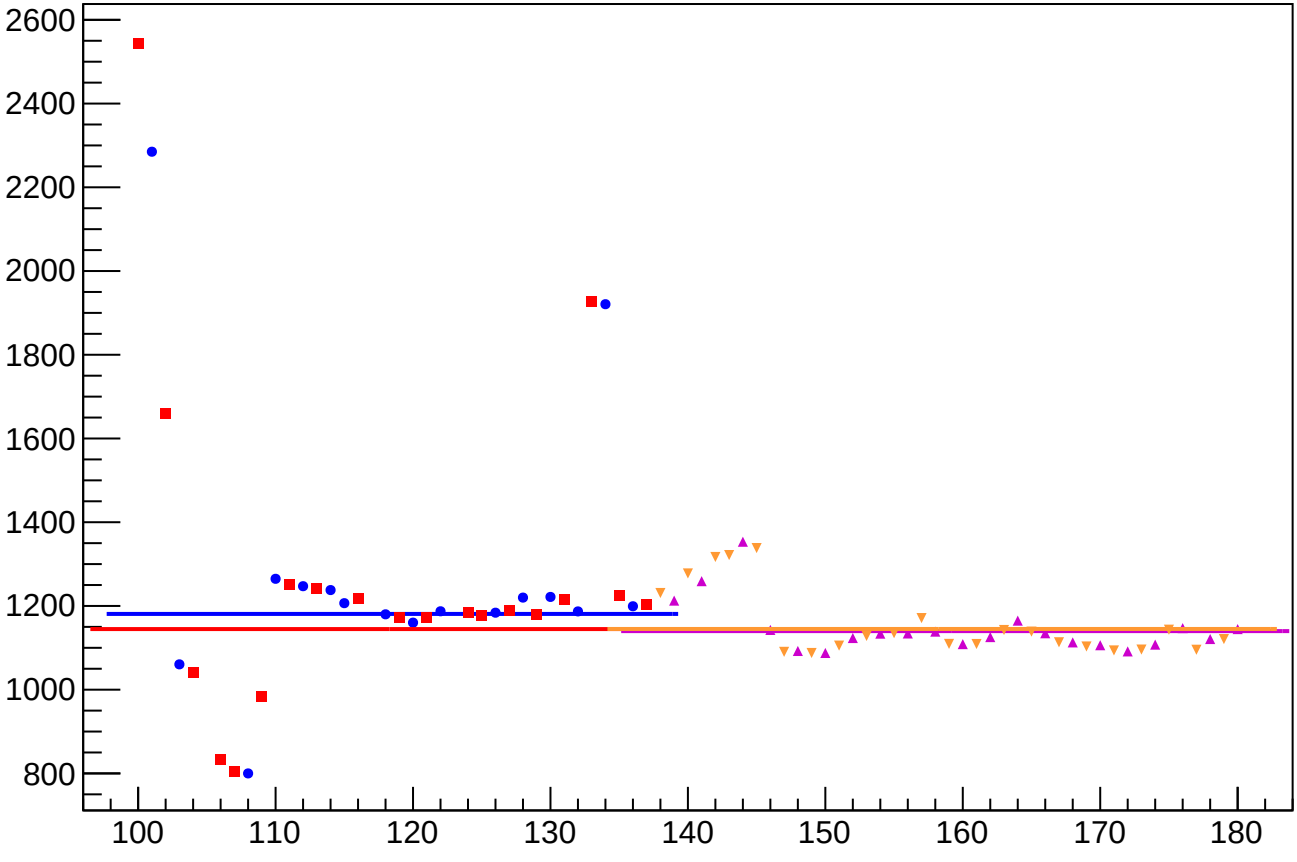
Left In: 420.188+/-274.809 χ^2/NDF:17.3/20

+ sign 160.088+/-234.058 χ^2/NDF: 51.3/37

All: 272.447+/-164.858 χ^2/NDF: 86.0/77

- 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: 1145.040+/-0.194 χ^2/NDF:133956.0/21

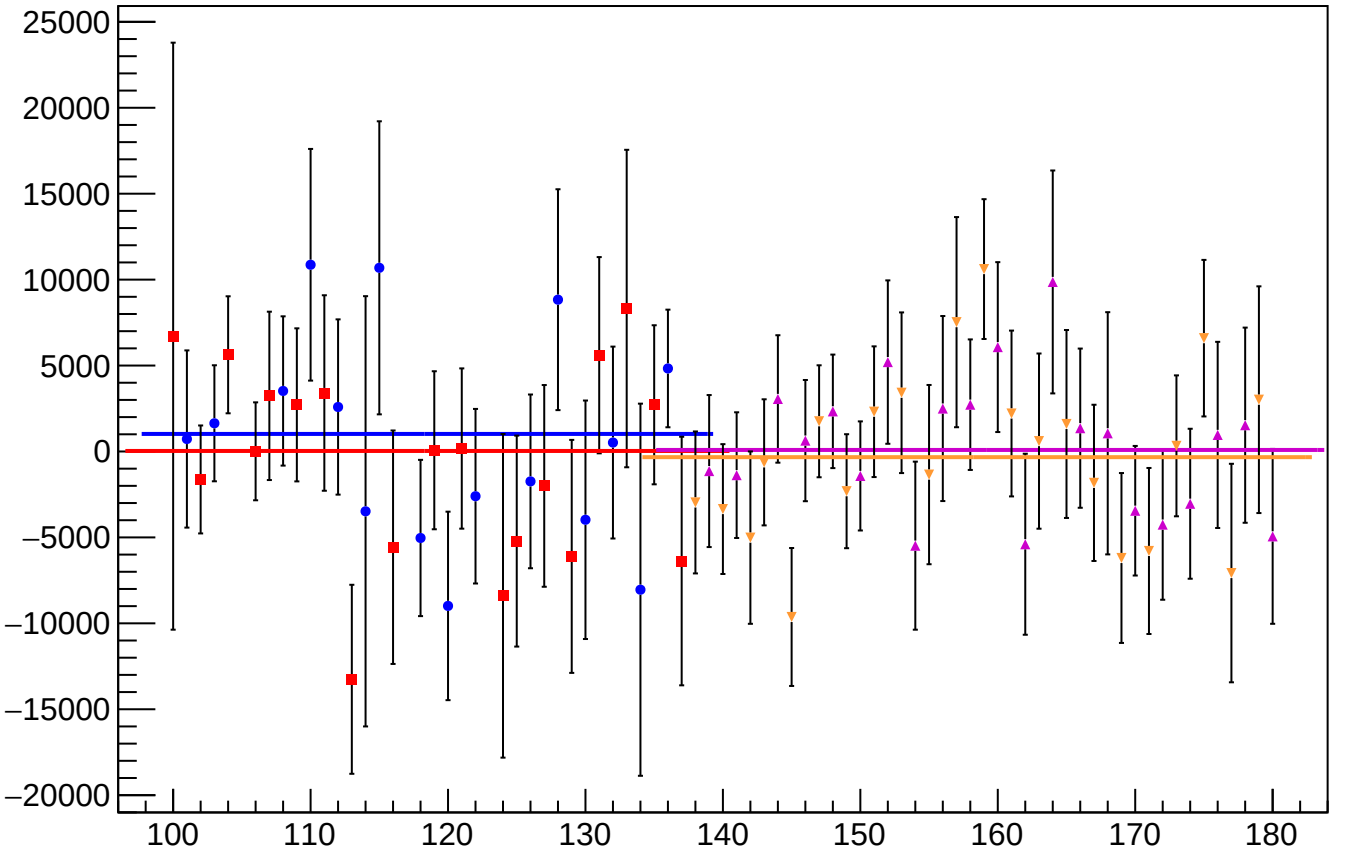
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1139.891+/-0.194 χ^2/NDF:84432.3/20

+ sign 1154.821+/-0.166 χ^2/NDF: 765167.1/37

All: 1148.001+/-0.117 χ^2/NDF: 1350879.8/77

- 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: -331.155+/-940.153 χ^2/NDF:25.1/21

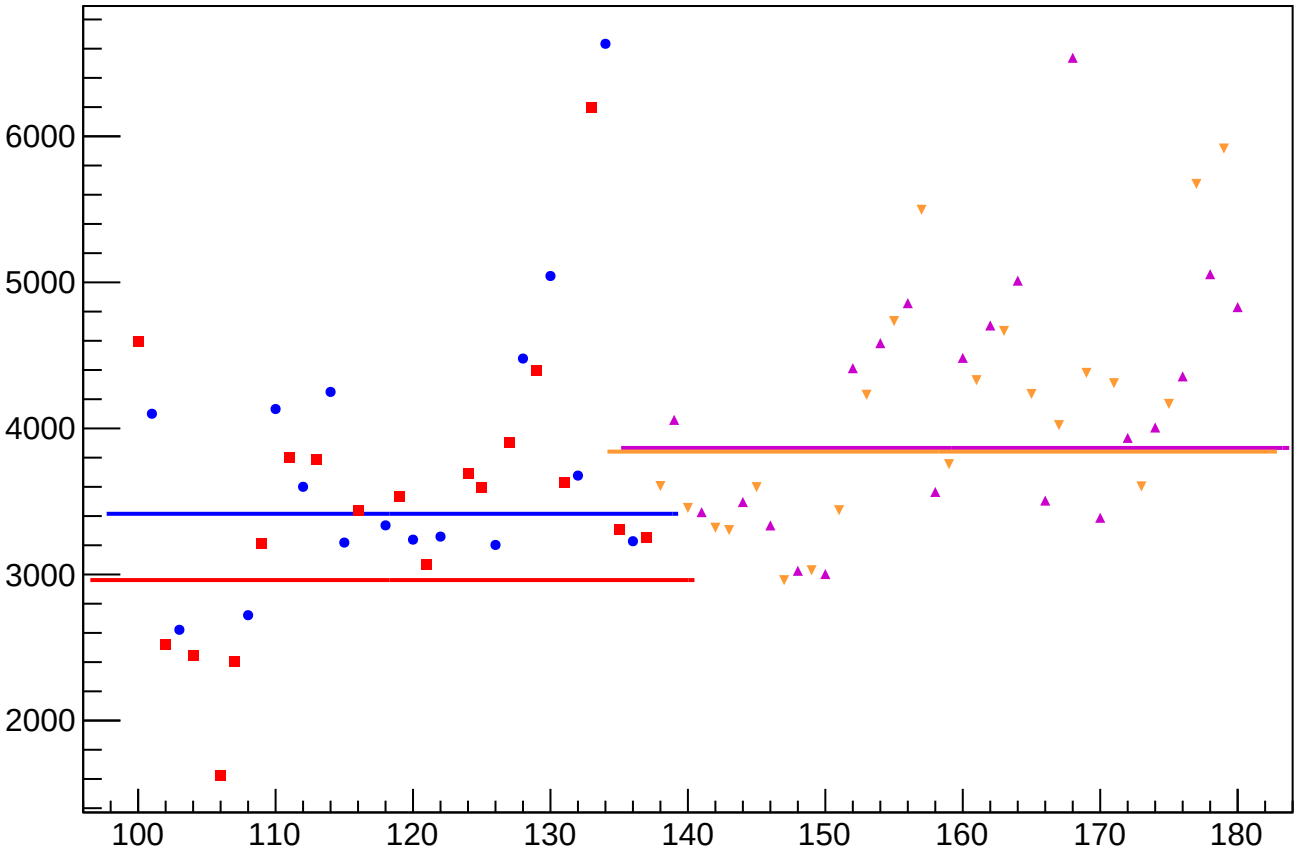
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 88.992+/-950.756 χ^2/NDF:13.1/20

+ sign 132.055+/-762.299 χ^2/NDF: 39.6/37

All: 96.771+/-526.369 χ^2/NDF: 68.9/77

- 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: 3841.286+/-0.665 χ^2/NDF:1118153.8/21

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

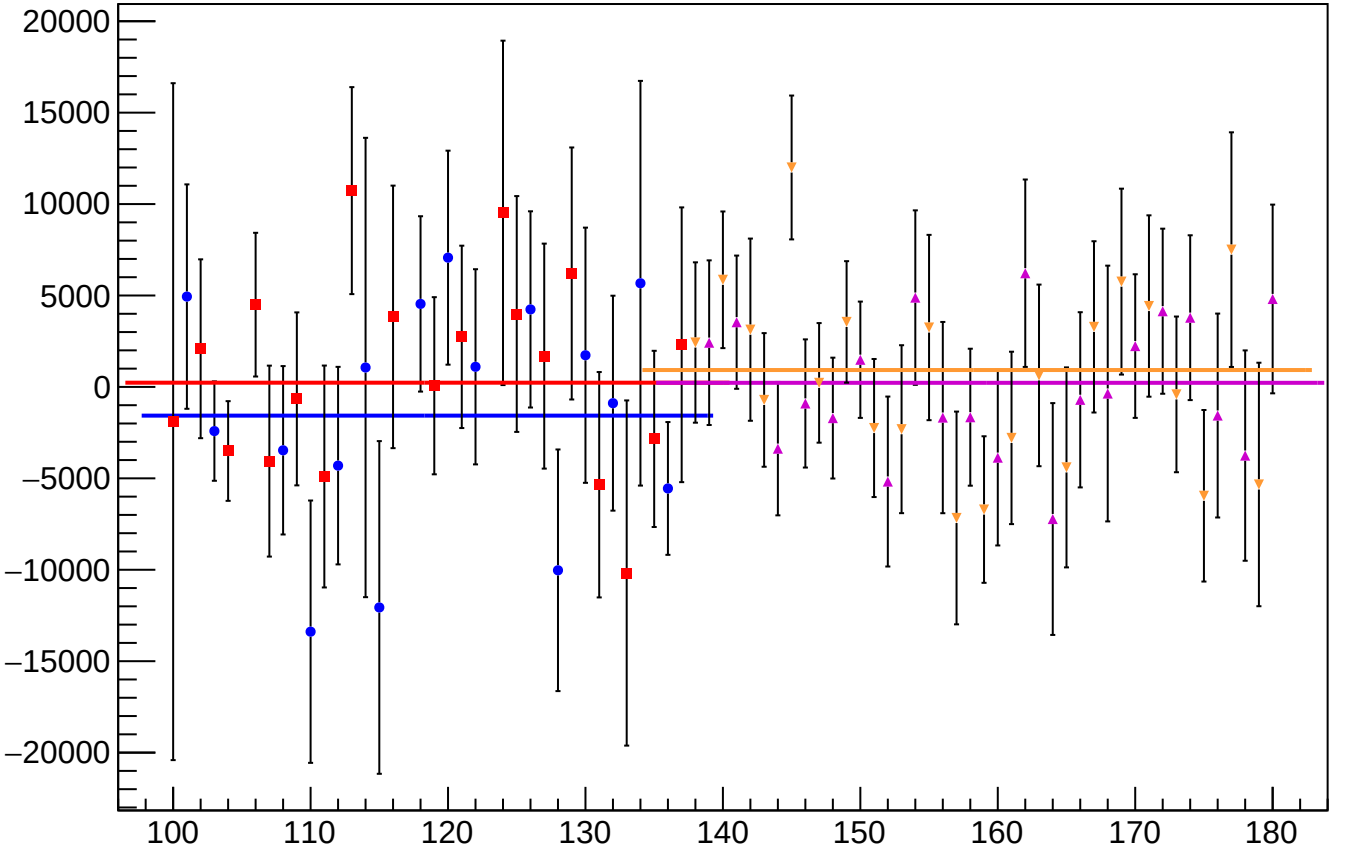
Left In: 3866.449+/-0.672 χ^2/NDF:1179680.2/20

+ sign 3695.458+/-0.539 χ^2/NDF: 1850958.8/37

All: 3588.885+/-0.372 χ^2/NDF: 5024573.8/77

- 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: 923.559+/-941.917 χ^2/NDF:25.2/21

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

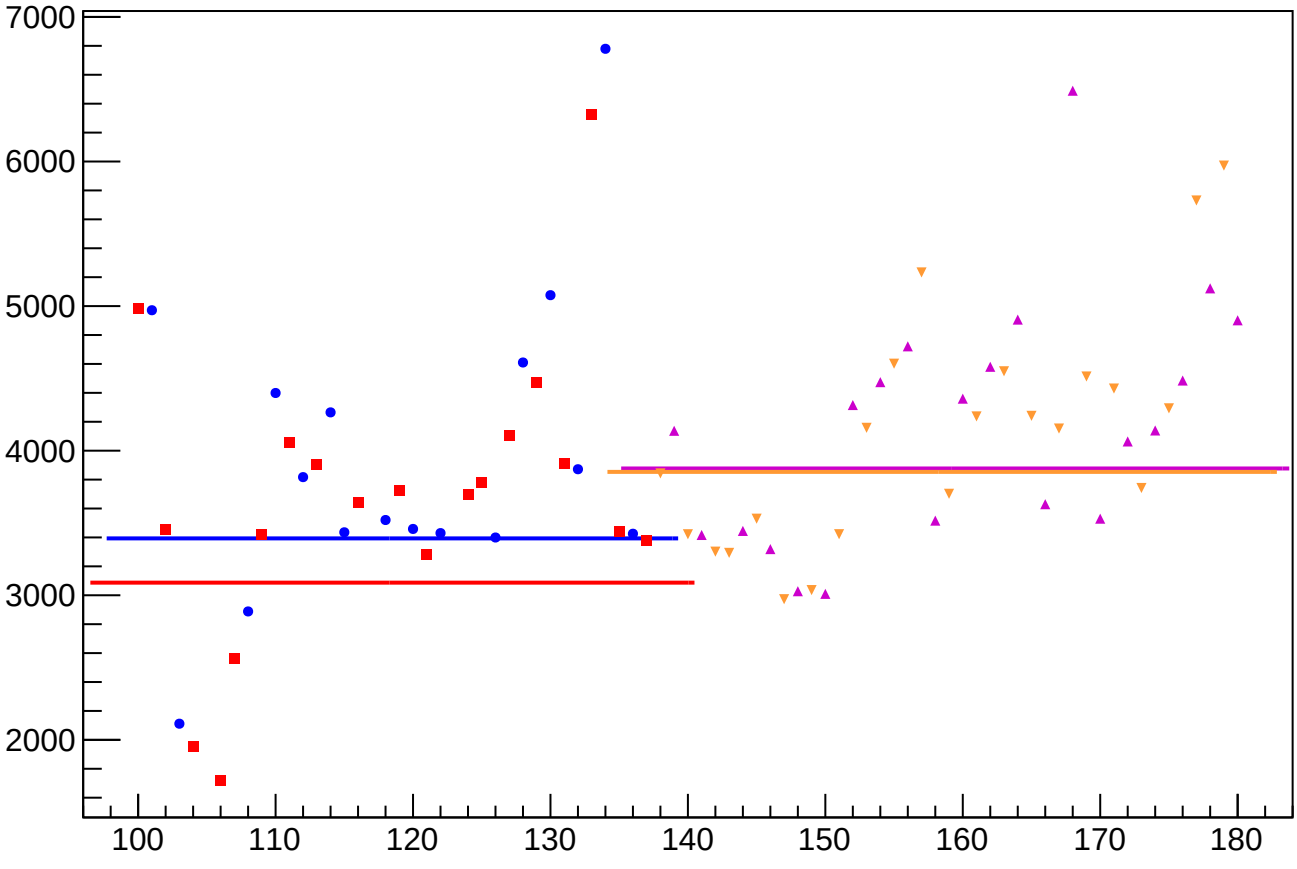
Left In: 224.423+/-952.110 χ^2/NDF:11.9/20

\+ sign 76.326+/-765.336 χ^2/NDF: 42.1/37

All: 153.002+/-536.249 χ^2/NDF: 67.2/77

\- 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: 3853.385+/-0.666 χ^2/NDF:1095579.5/21

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

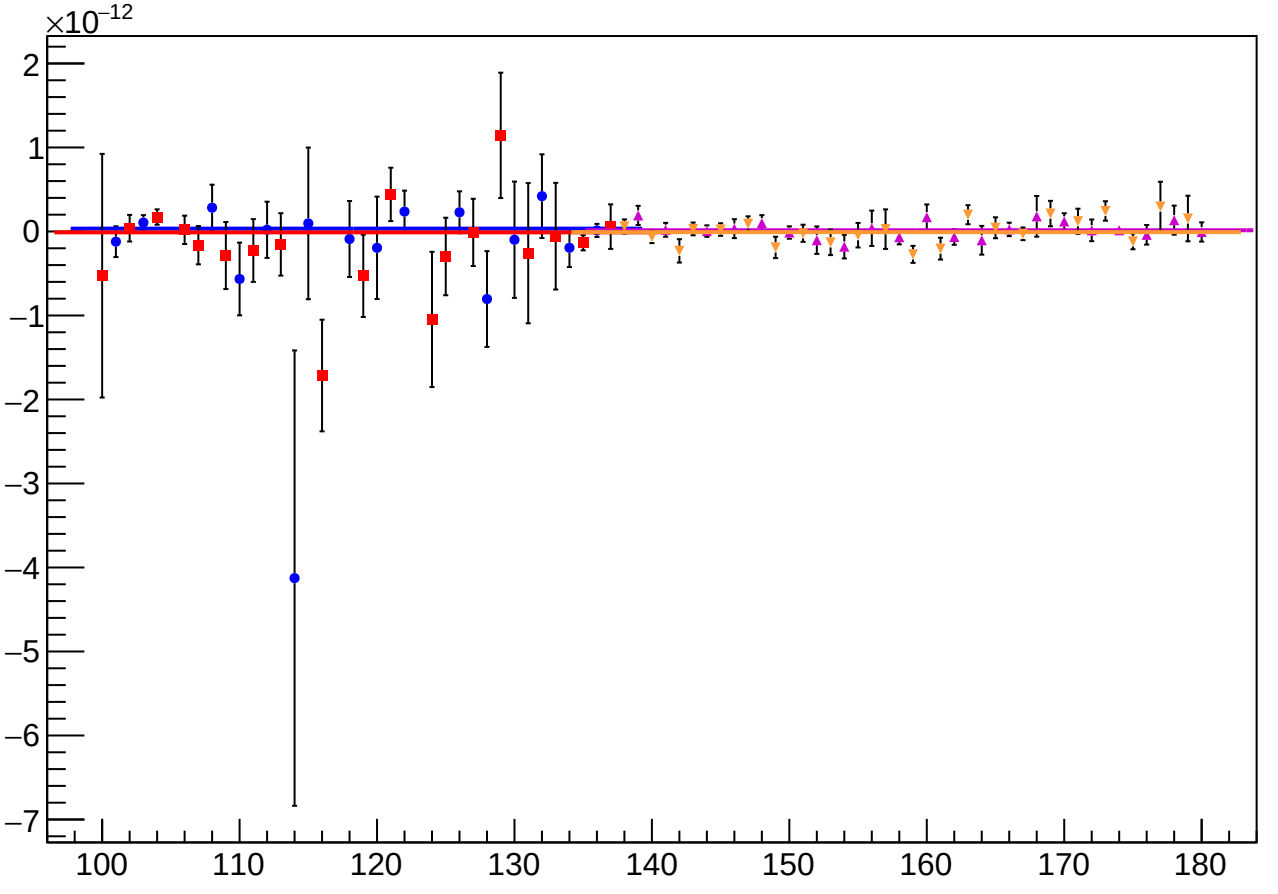
Left In: 3876.910+/-0.673 χ^2/NDF:1135239.0/20

+ sign 3697.072+/-0.541 χ^2/NDF: 2306383.8/37

All: 3633.541+/-0.378 χ^2/NDF: 5326218.9/77

- 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:31.5/21

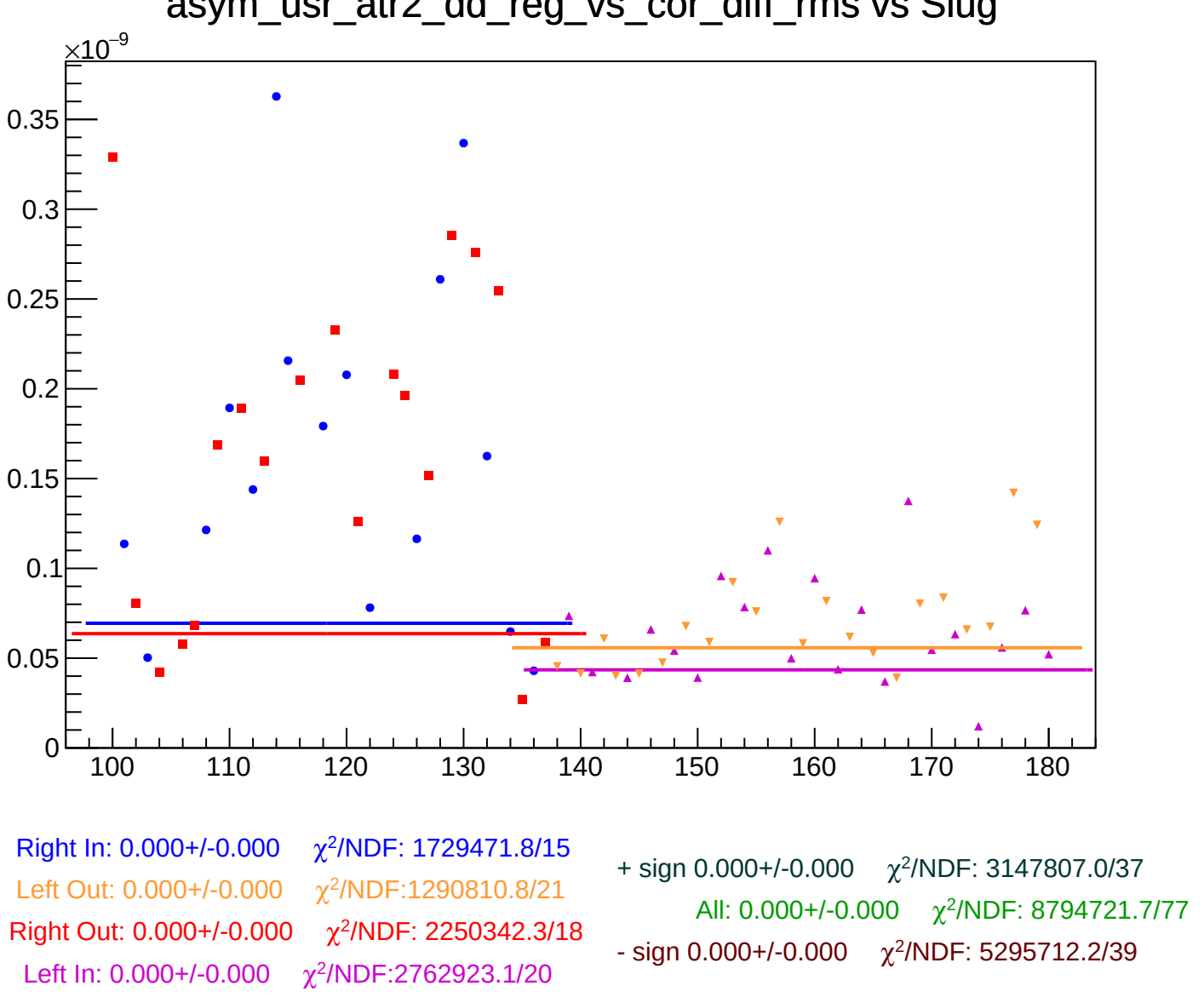
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

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

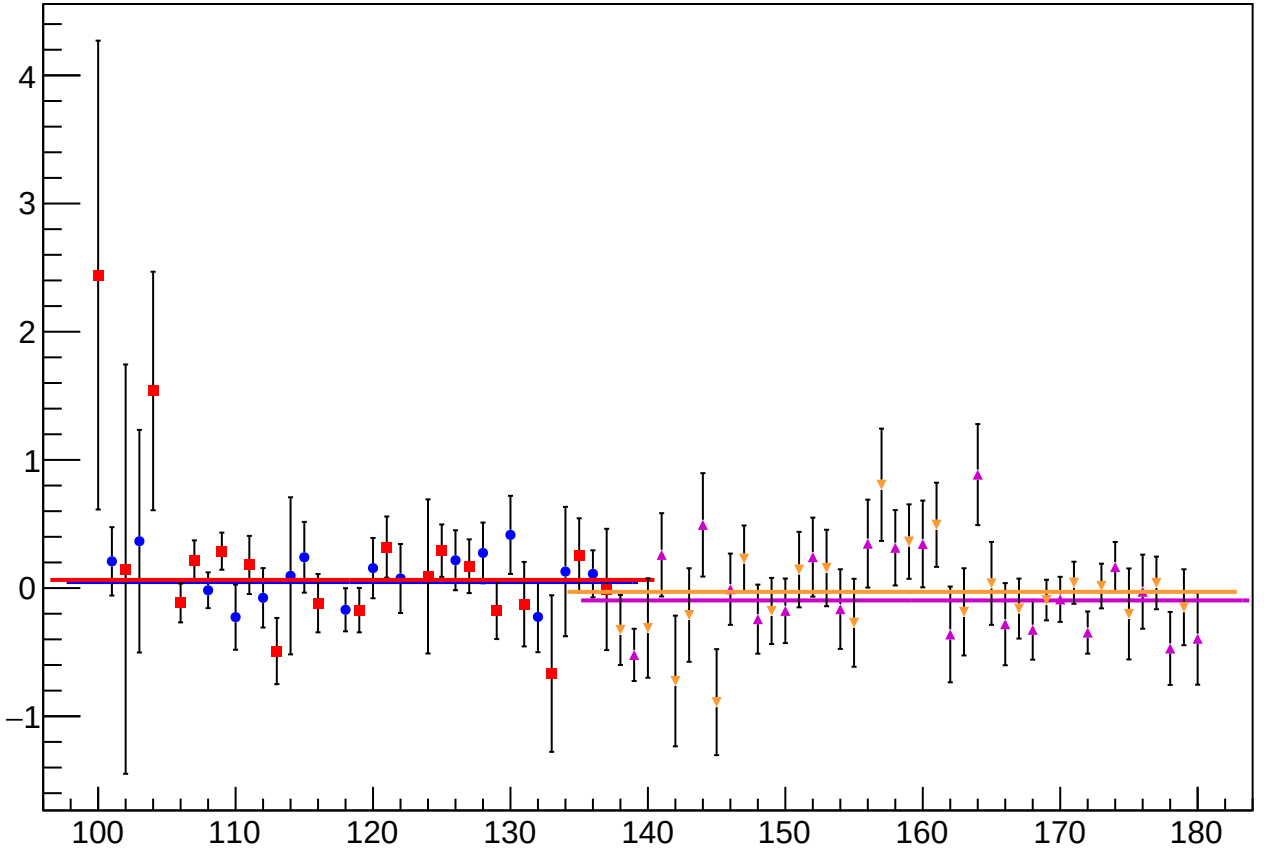
+ sign -0.000+/-0.000 χ^2/NDF: 44.0/37

All: 0.000+/-0.000 χ^2/NDF: 77.6/77

- 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:1290810.8/21
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: 3147807.0/37
All: 0.000+/-0.000 χ²/NDF: 8794721.7/77
- 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: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

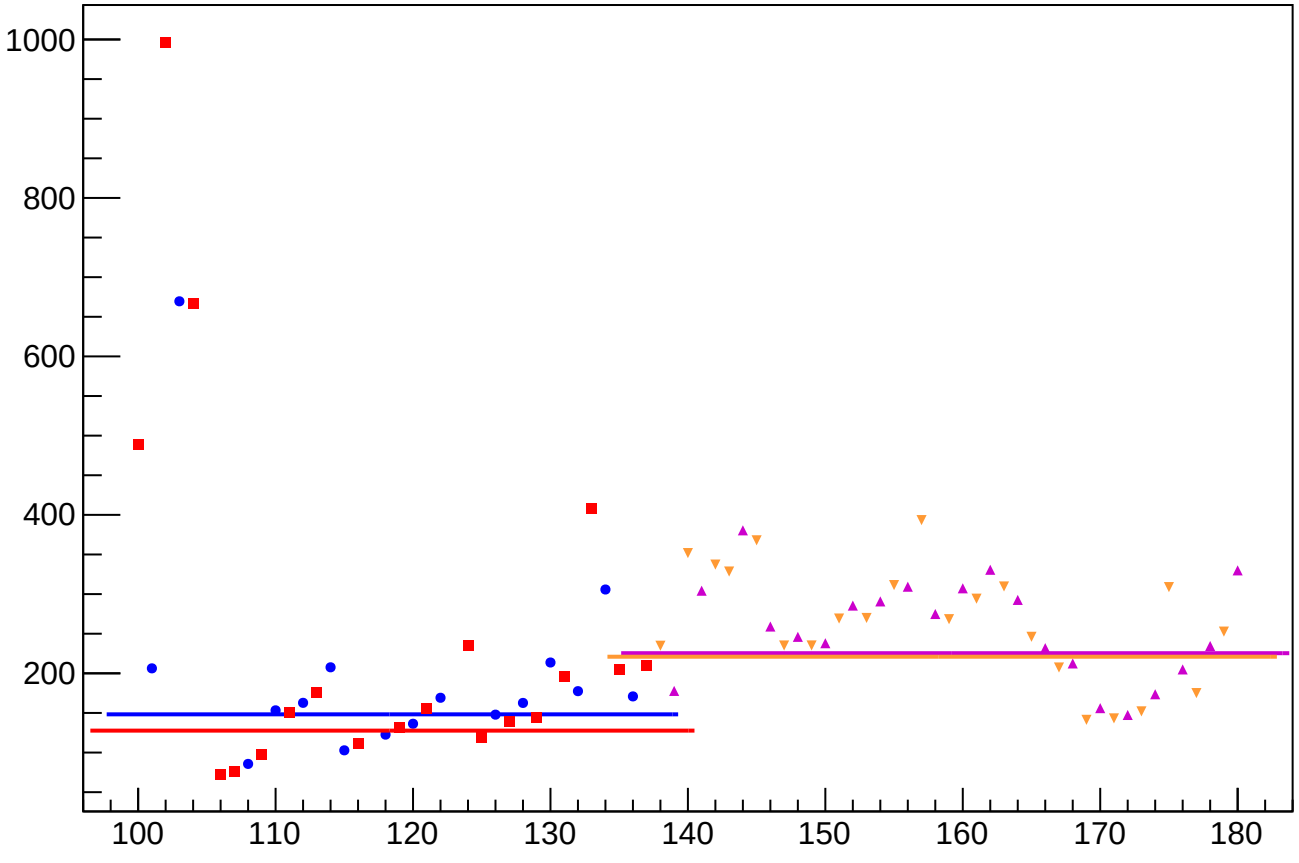
Left In: -0.096+/-0.058 χ^2/NDF:29.3/20

+ sign 0.006+/-0.041 χ^2/NDF: 29.6/37

All: -0.003+/-0.029 χ^2/NDF: 85.3/77

- 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: 220.959+/-0.040 χ^2/NDF:3151568.8/21

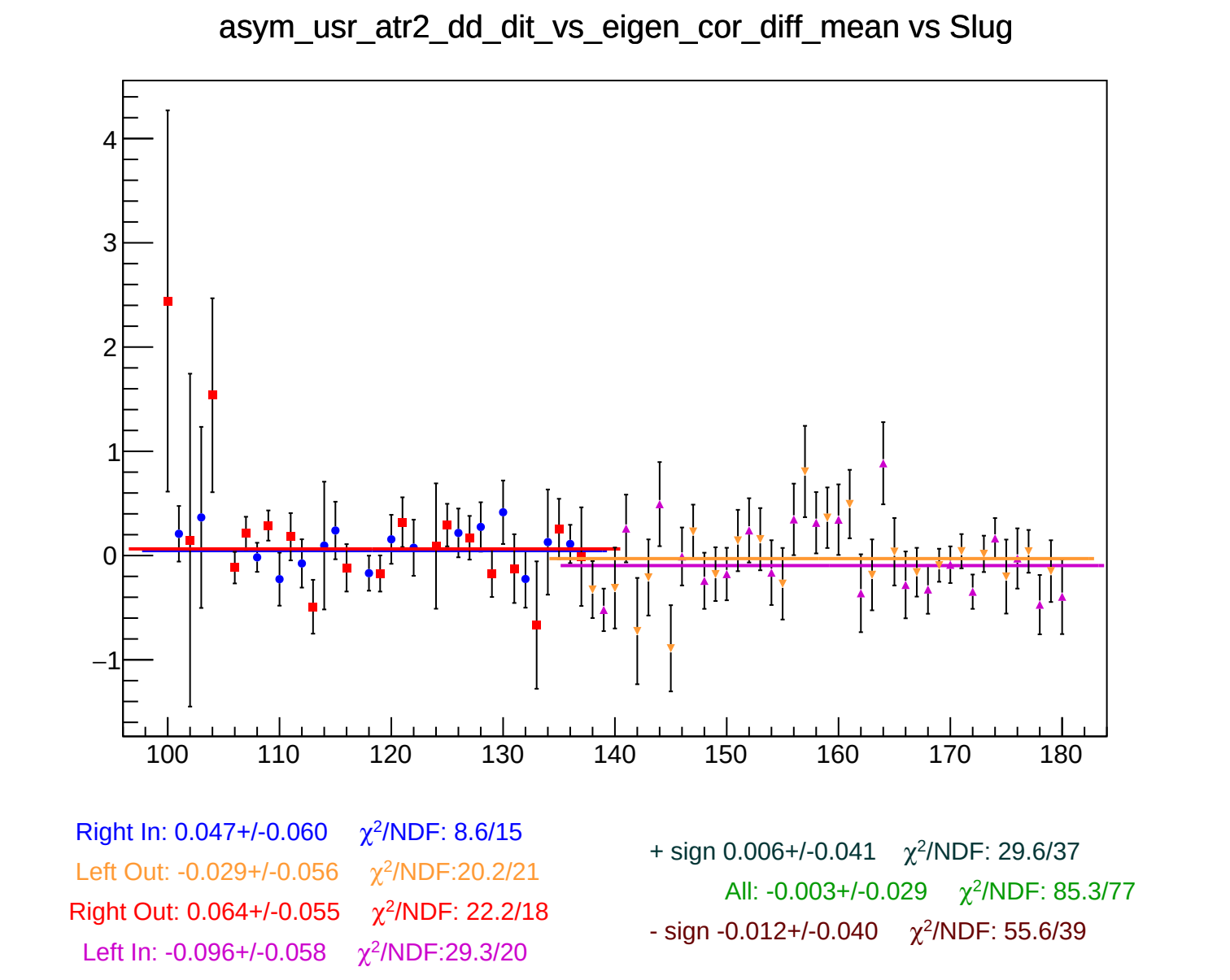
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 225.408+/-0.041 χ^2/NDF:2332921.5/20

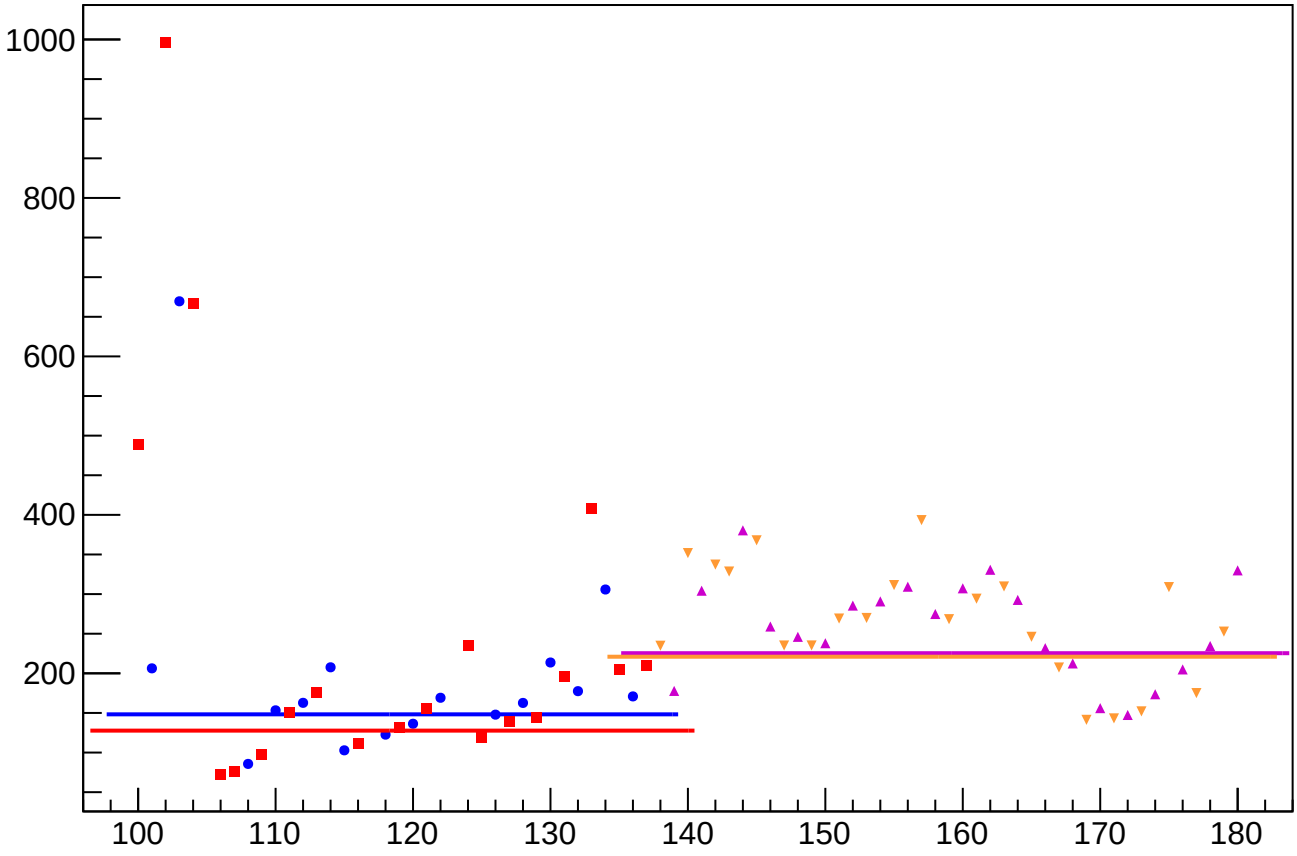
+ sign 186.852+/-0.029 χ^2/NDF: 6419989.4/37

All: 180.182+/-0.020 χ^2/NDF: 14723625.4/77

- sign 173.974+/-0.028 χ^2/NDF: 8201987.0/39


asym_usr_atr2_dd_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: -0.029+/-0.056 χ²/NDF:20.2/21
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.096+/-0.058 χ²/NDF:29.3/20
+ sign 0.006+/-0.041 χ²/NDF: 29.6/37
All: -0.003+/-0.029 χ²/NDF: 85.3/77
- sign -0.012+/-0.040 χ²/NDF: 55.6/39

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 220.959+/-0.040 χ^2/NDF:3151568.8/21

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

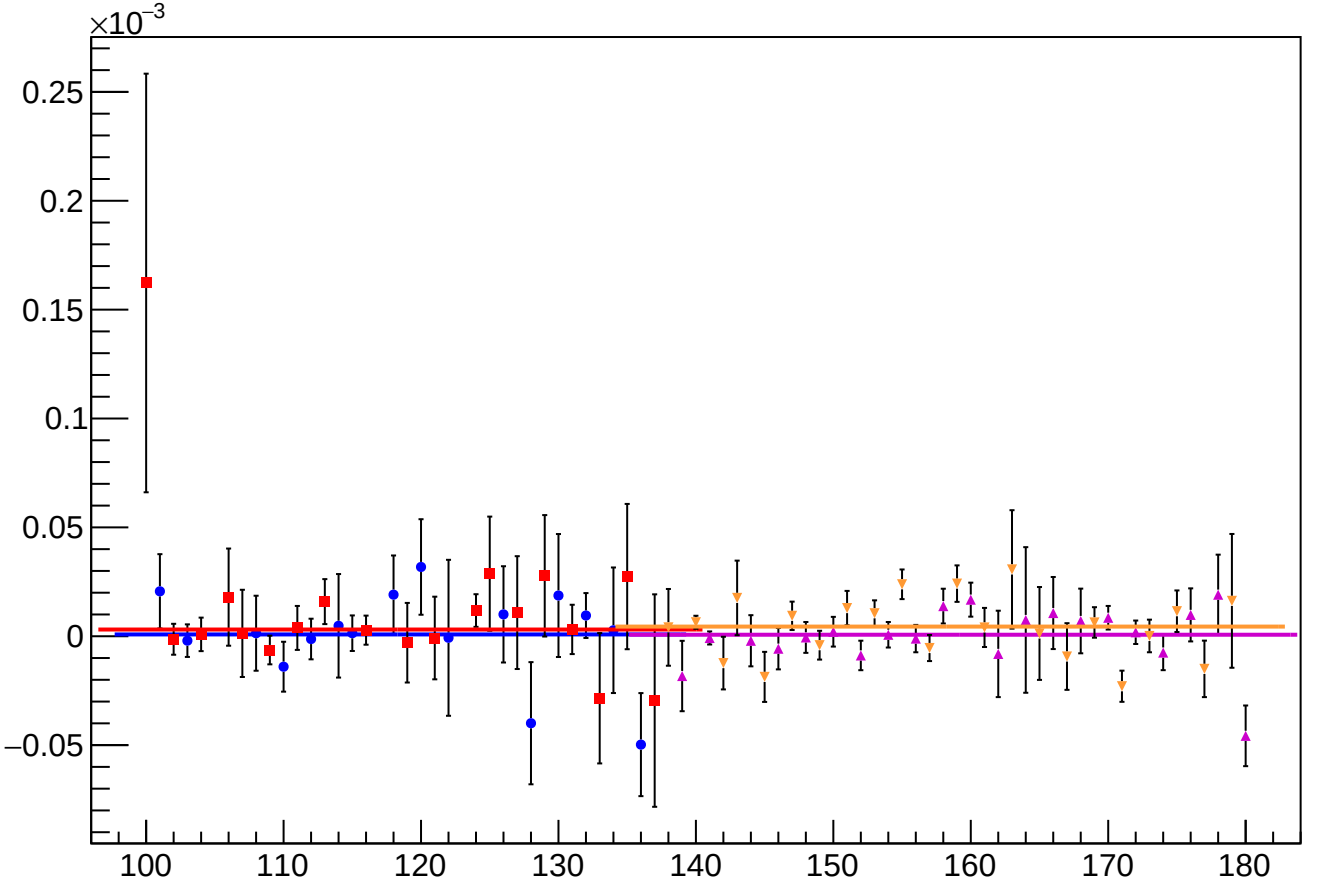
Left In: 225.408+/-0.041 χ^2/NDF:2332921.5/20

+ sign 186.852+/-0.029 χ^2/NDF: 6419989.4/37

All: 180.182+/-0.020 χ^2/NDF: 14723625.4/77

- sign 173.974+/-0.028 χ^2/NDF: 8201987.0/39

asym_usr_atr2_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:47.6/21

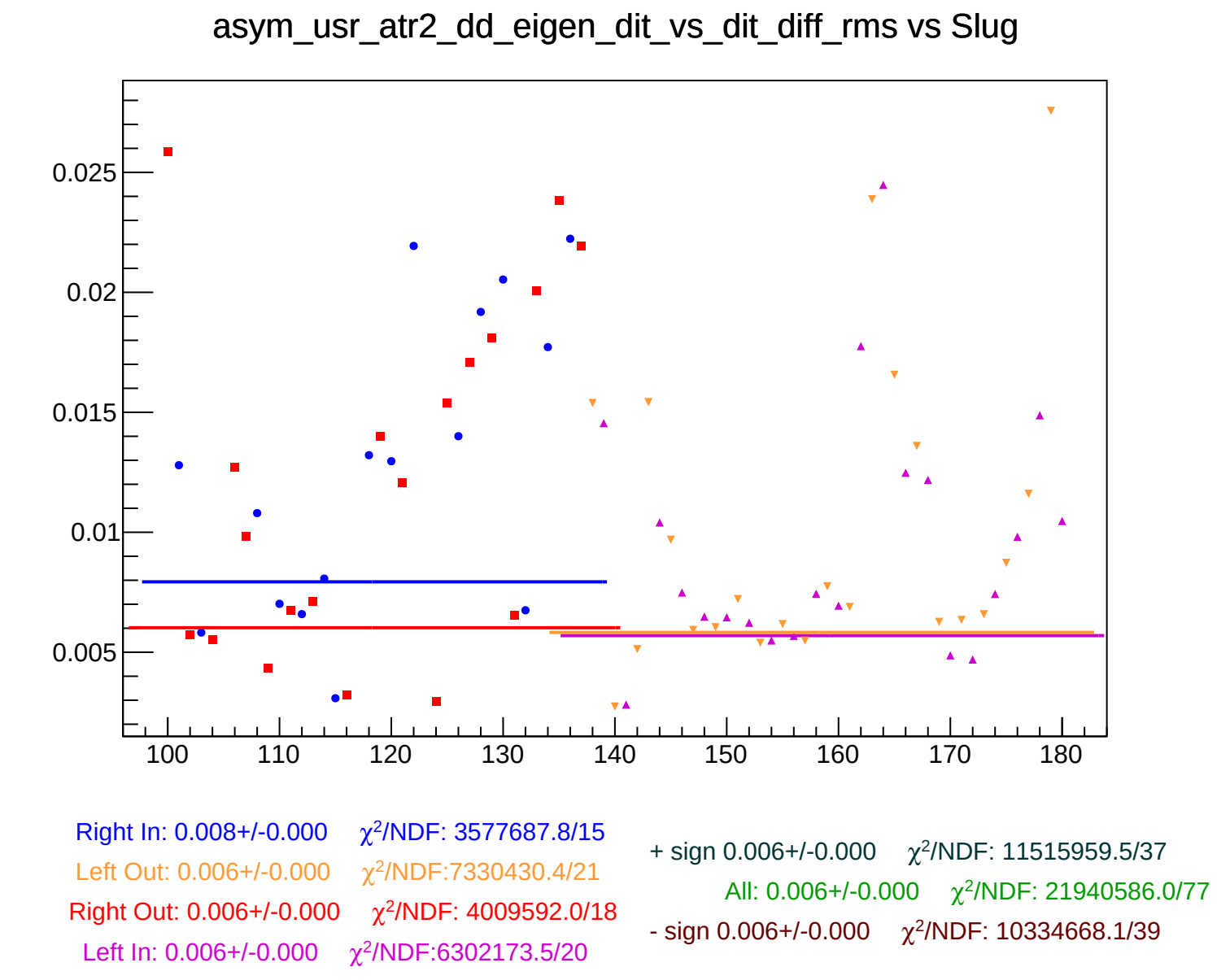
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

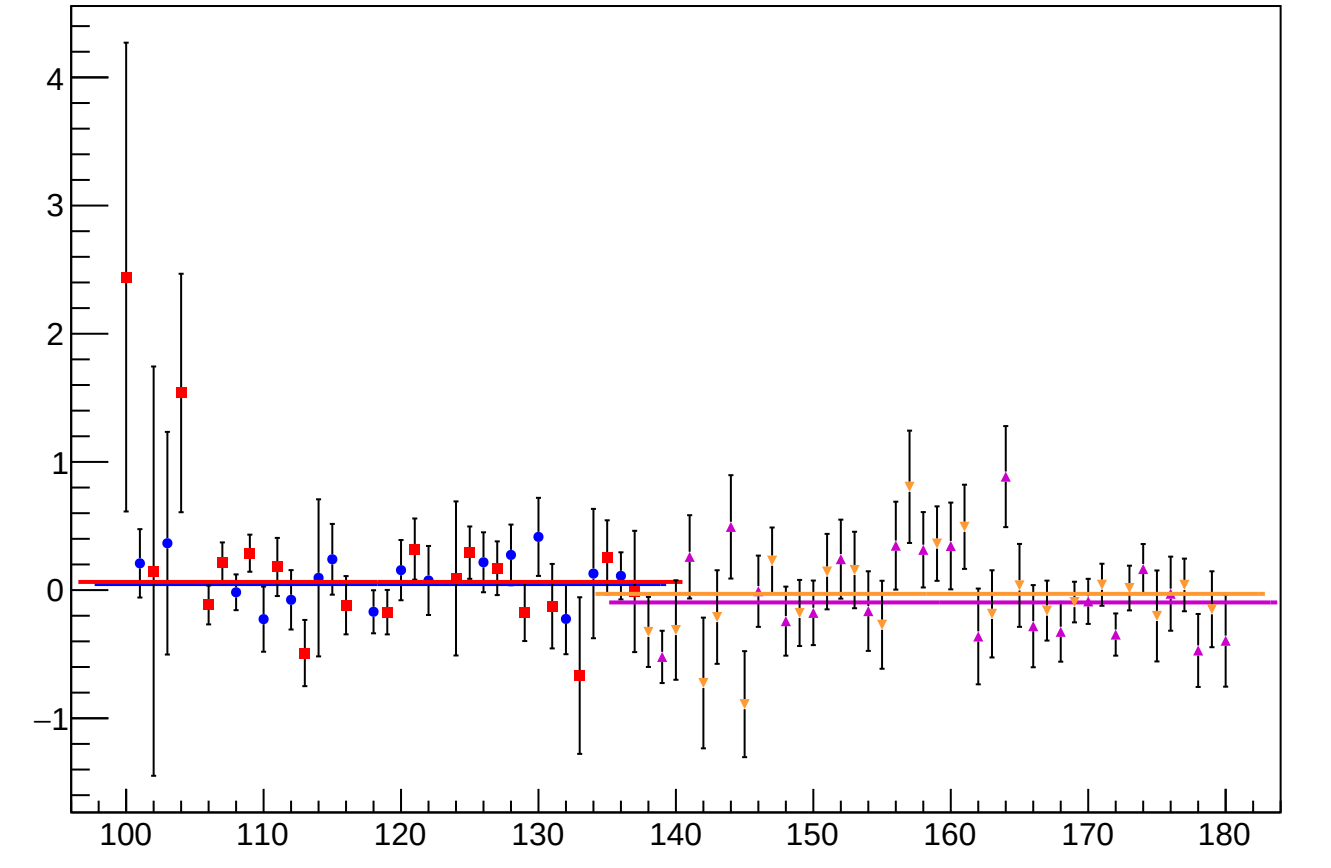
Left In: 0.000+/-0.000 χ^2/NDF:27.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 62.7/37

All: 0.000+/-0.000 χ^2/NDF: 105.4/77

- 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:7330430.4/21
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: 11515959.5/37
All: 0.006+/-0.000 χ²/NDF: 21940586.0/77
- sign 0.006+/-0.000 χ²/NDF: 10334668.1/39



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

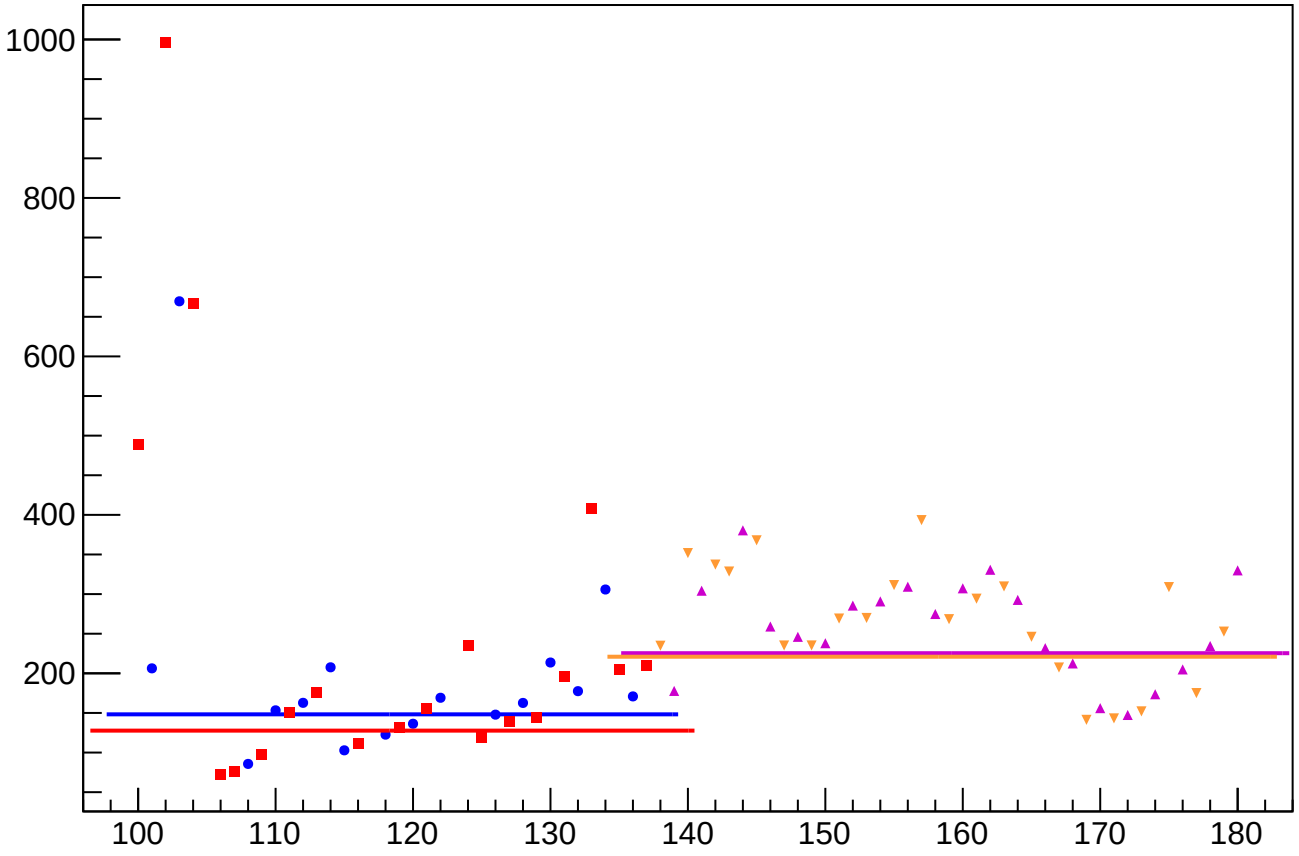
Left In: -0.096+/-0.058 χ^2/NDF:29.3/20

+ sign 0.006+/-0.041 χ^2/NDF: 29.6/37

All: -0.003+/-0.029 χ^2/NDF: 85.3/77

- sign -0.012+/-0.040 χ^2/NDF: 55.6/39

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 220.960+/-0.040 χ^2/NDF:3151676.9/21

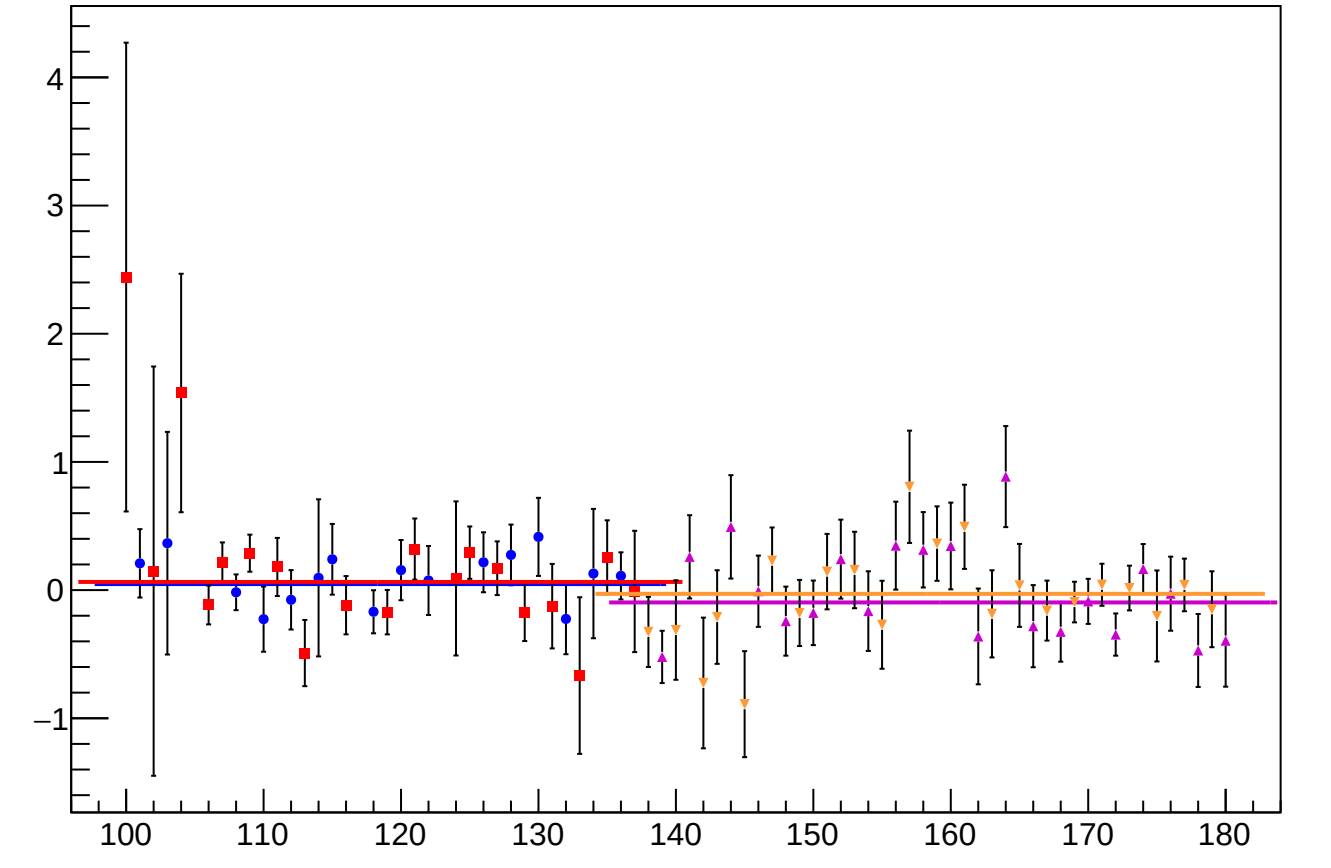
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 225.410+/-0.041 χ^2/NDF:2332962.9/20

+ sign 186.851+/-0.029 χ^2/NDF: 6420339.9/37

All: 180.181+/-0.020 χ^2/NDF: 14724052.0/77

- sign 173.974+/-0.028 χ^2/NDF: 8202089.8/39



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

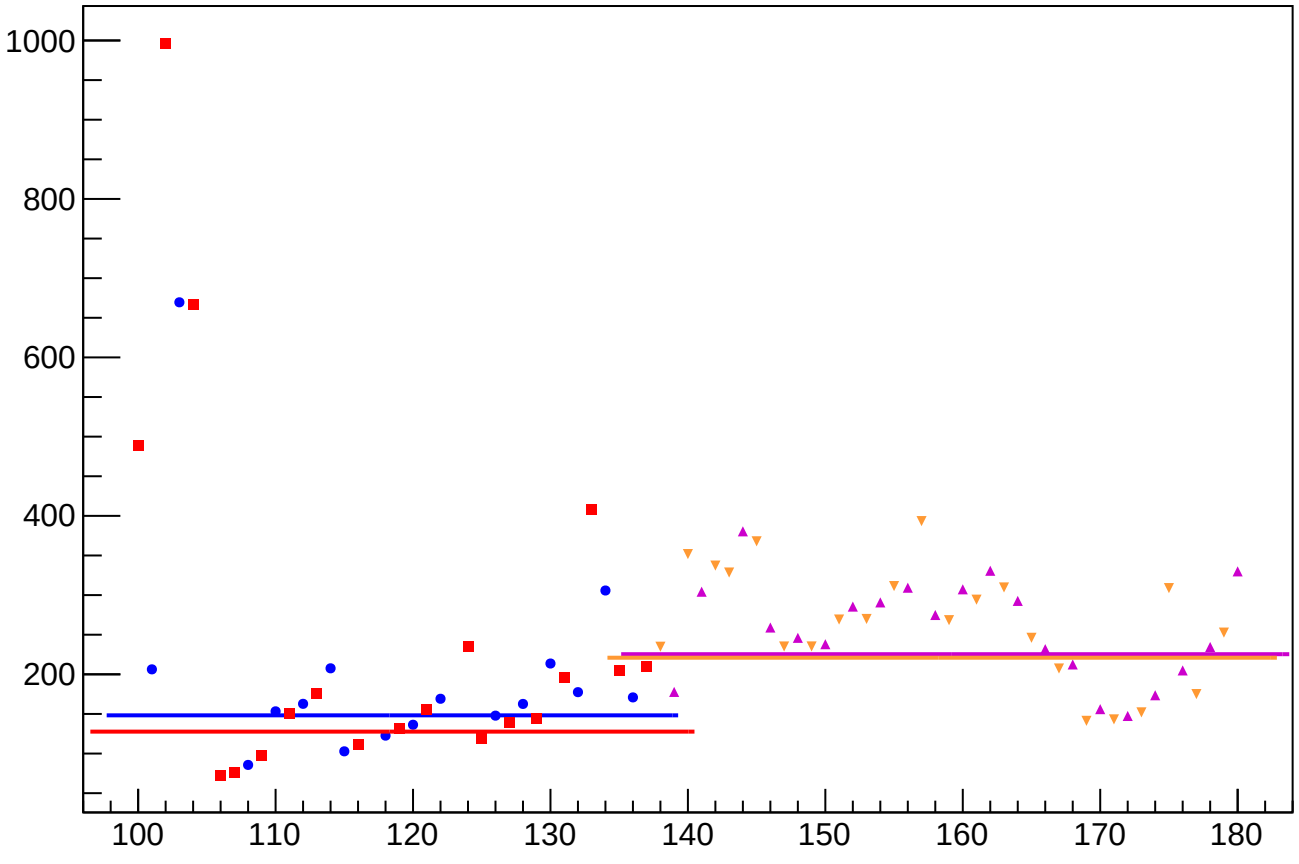
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.096+/-0.058 χ^2/NDF:29.3/20

+ sign 0.006+/-0.041 χ^2/NDF: 29.6/37

All: -0.003+/-0.029 χ^2/NDF: 85.3/77

- 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: 220.960+/-0.040 χ^2/NDF:3151676.9/21

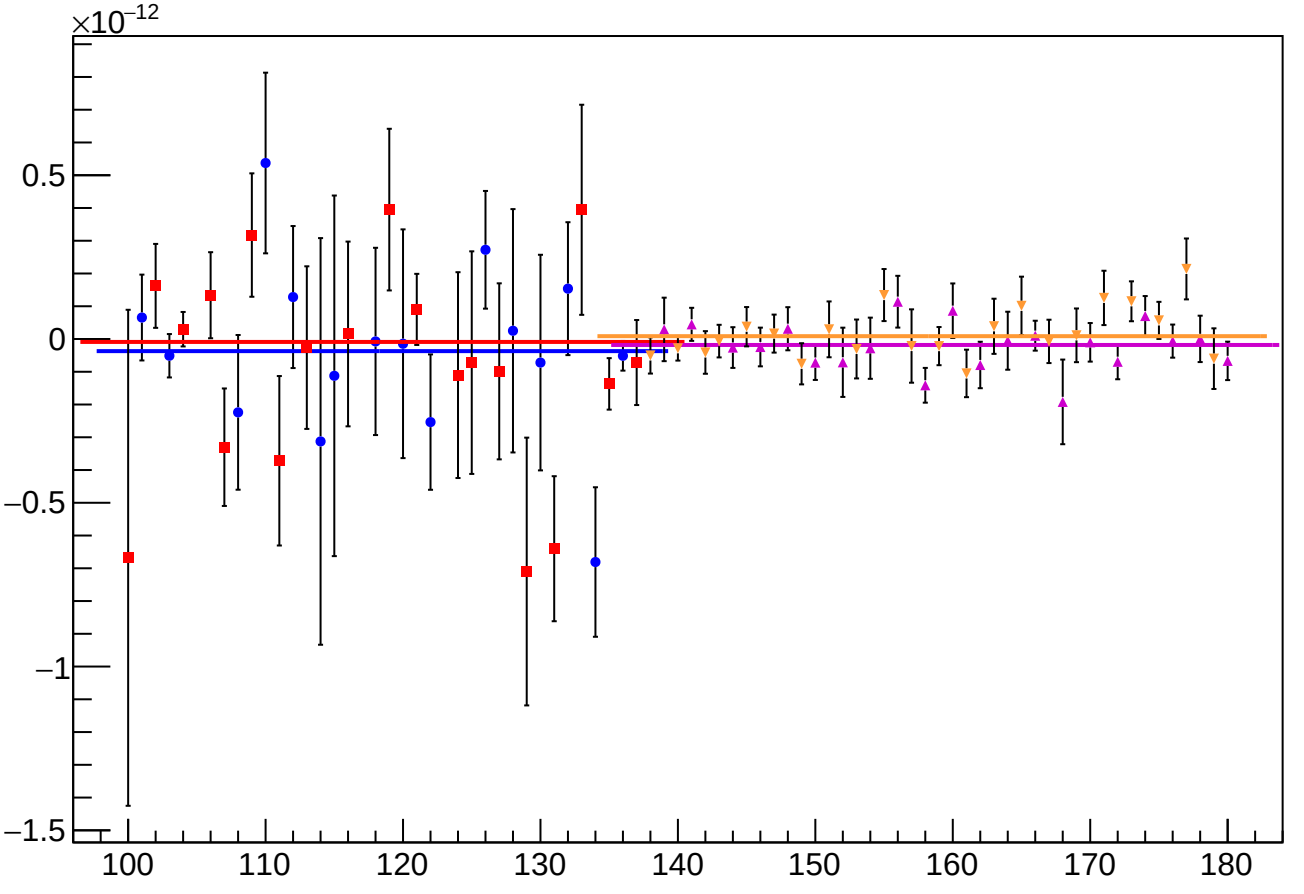
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 225.410+/-0.041 χ^2/NDF:2332962.9/20

+ sign 186.851+/-0.029 χ^2/NDF: 6420339.9/37

All: 180.181+/-0.020 χ^2/NDF: 14724052.0/77

- 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:22.8/21

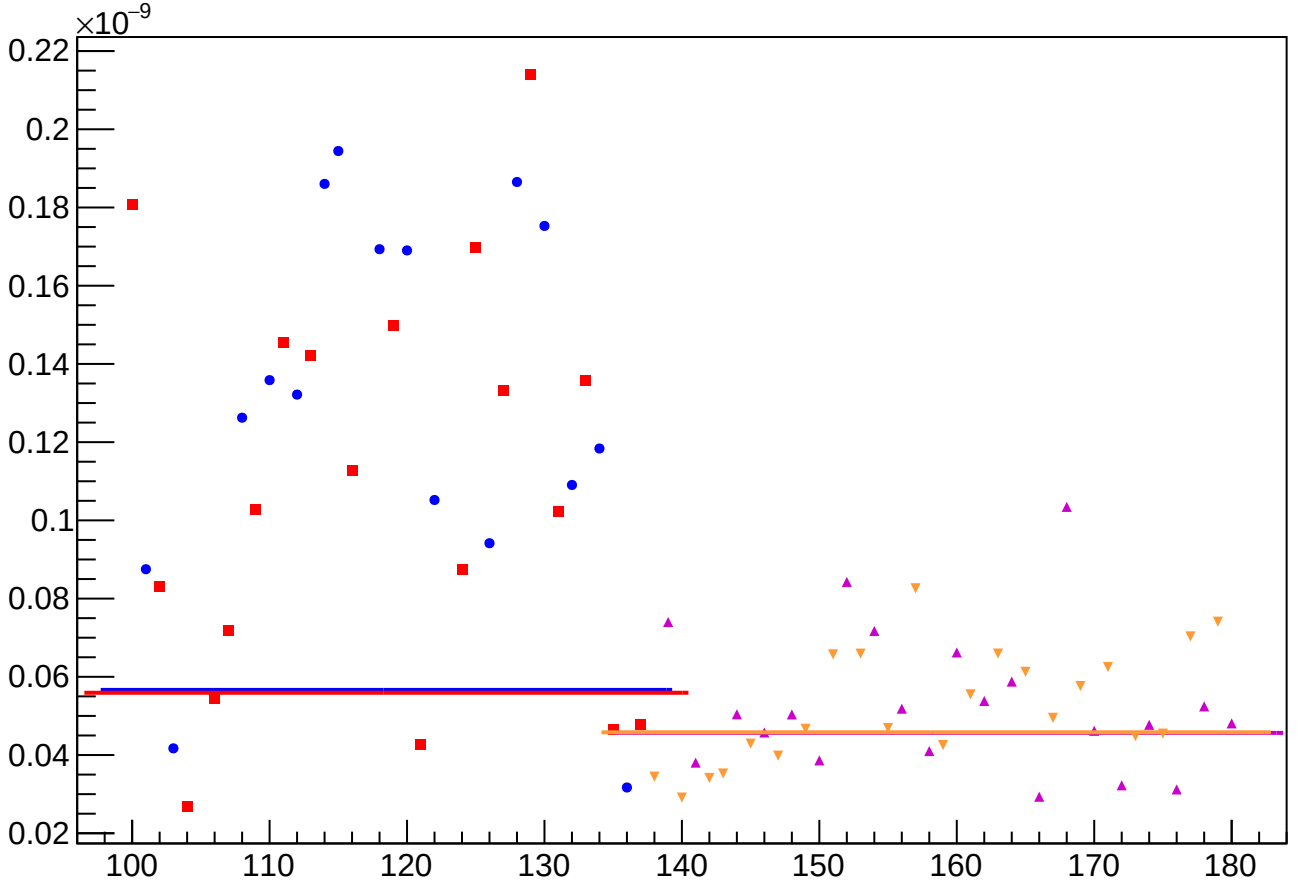
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:20.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/37

All: -0.000+/-0.000 χ^2/NDF: 97.1/77

- sign -0.000+/-0.000 χ^2/NDF: 52.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1756066.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

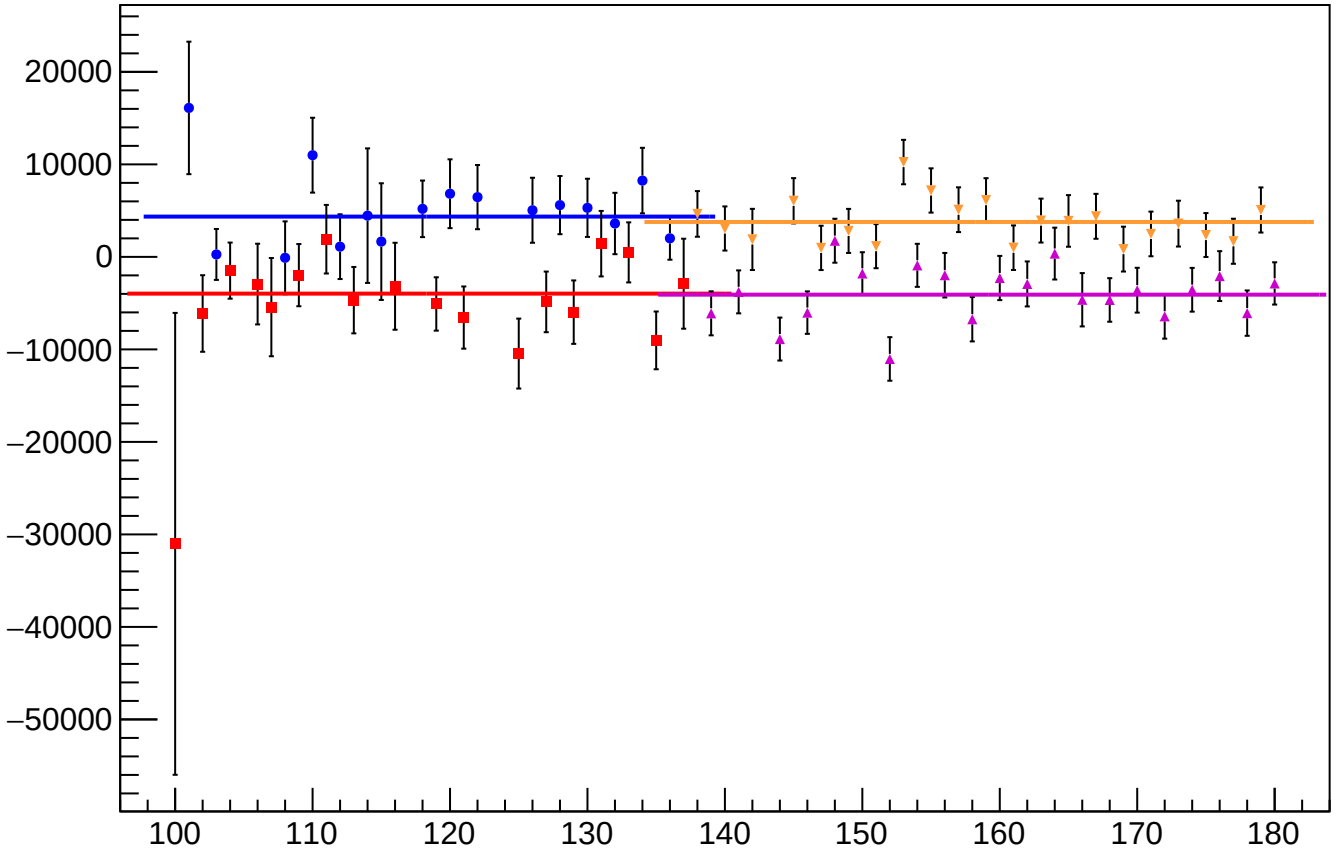
Left In: 0.000+/-0.000 χ^2/NDF:1885929.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 5060445.4/37

All: 0.000+/-0.000 χ^2/NDF: 9852587.5/77

- sign 0.000+/-0.000 χ^2/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: 3774.927+/-535.445 χ^2/NDF:19.3/20

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

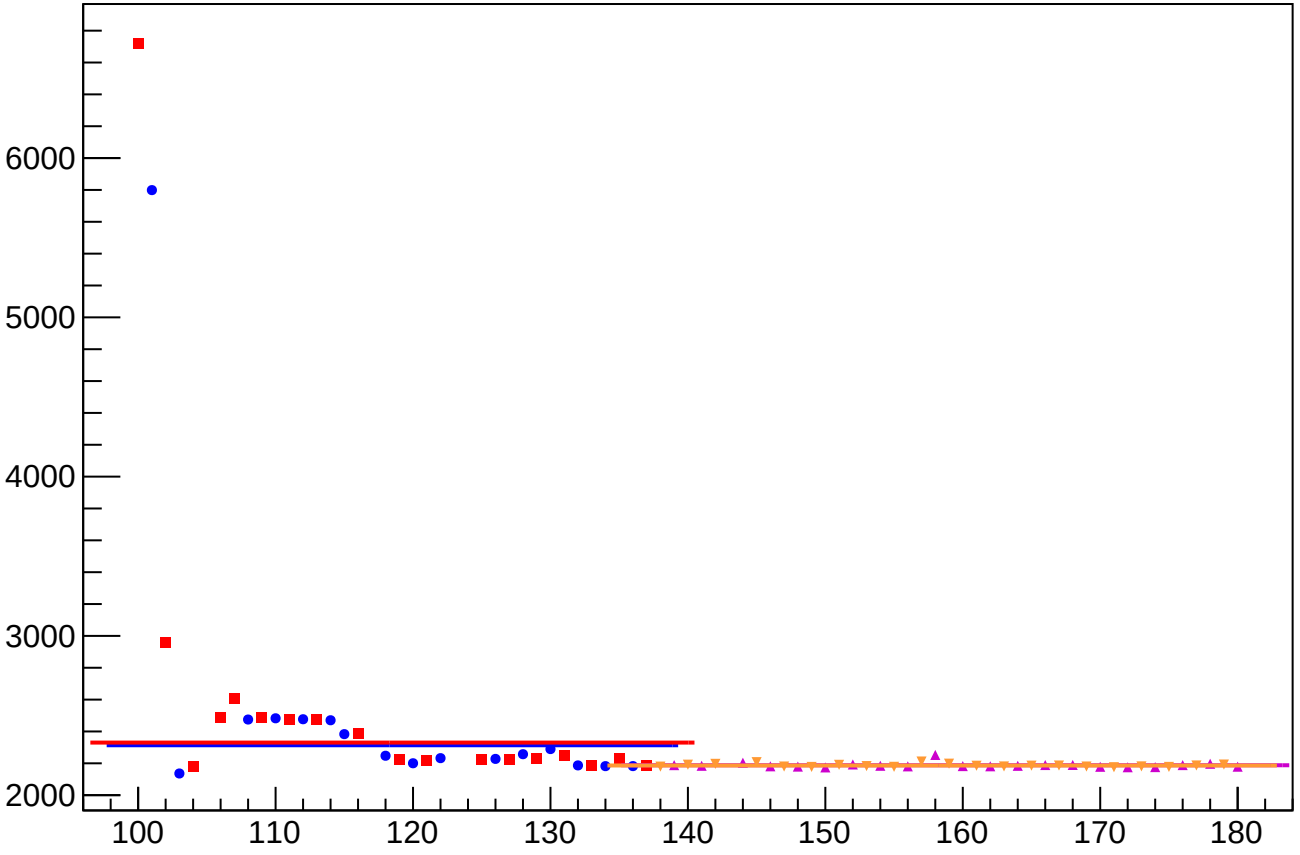
Left In: -4083.188+/-526.707 χ^2/NDF:31.2/20

+ sign 3932.747+/-456.740 χ^2/NDF: 32.9/36

All: -113.011+/-320.825 χ^2/NDF: 235.2/75

- 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: 2186.394+/-0.379 χ^2/NDF:646.7/20

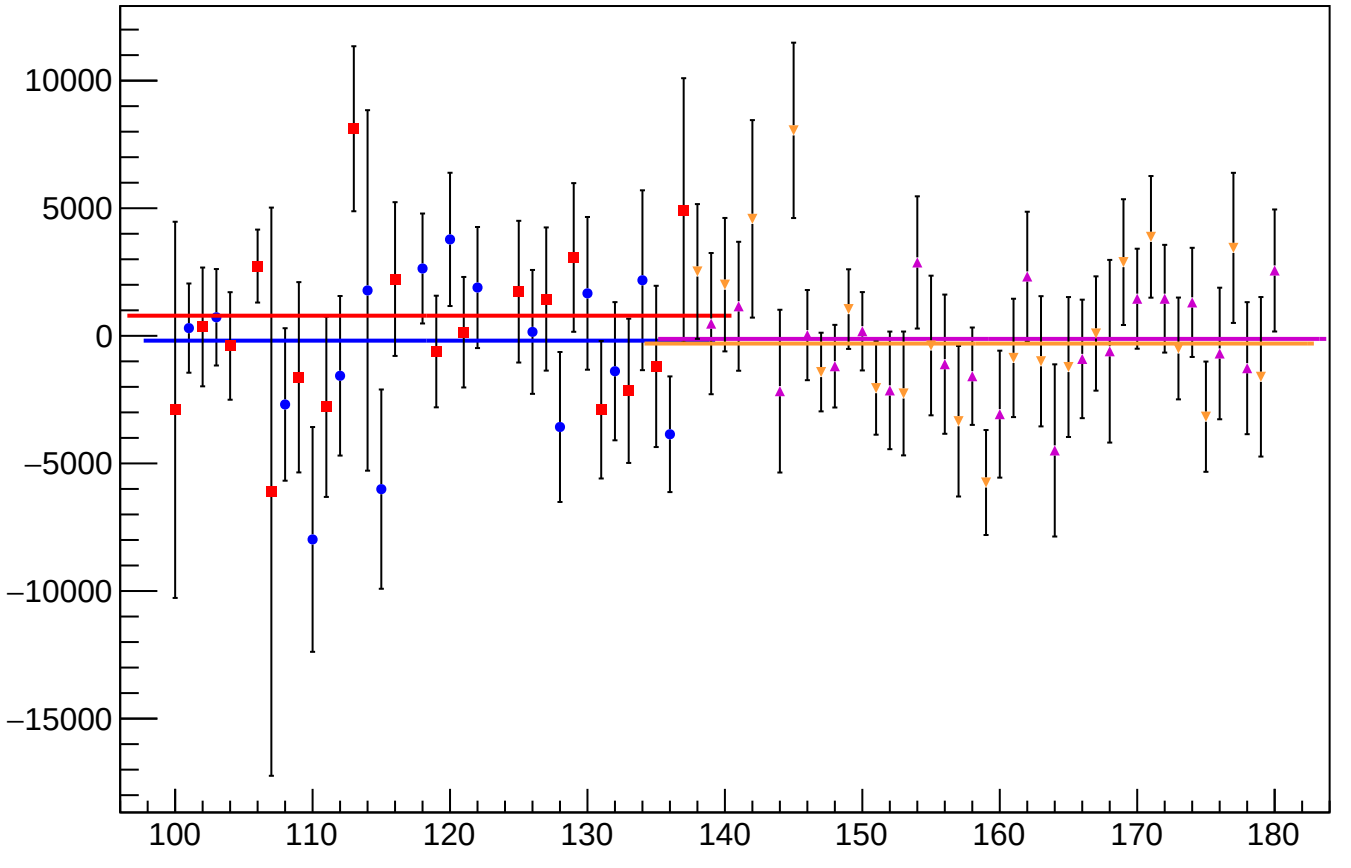
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.845+/-0.372 χ^2/NDF:1919.1/20

+ sign 2220.991+/-0.323 χ^2/NDF: 543673.9/36

All: 2223.500+/-0.227 χ^2/NDF: 736022.4/75

- 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: -302.483+/-504.816 χ^2/NDF:28.9/20

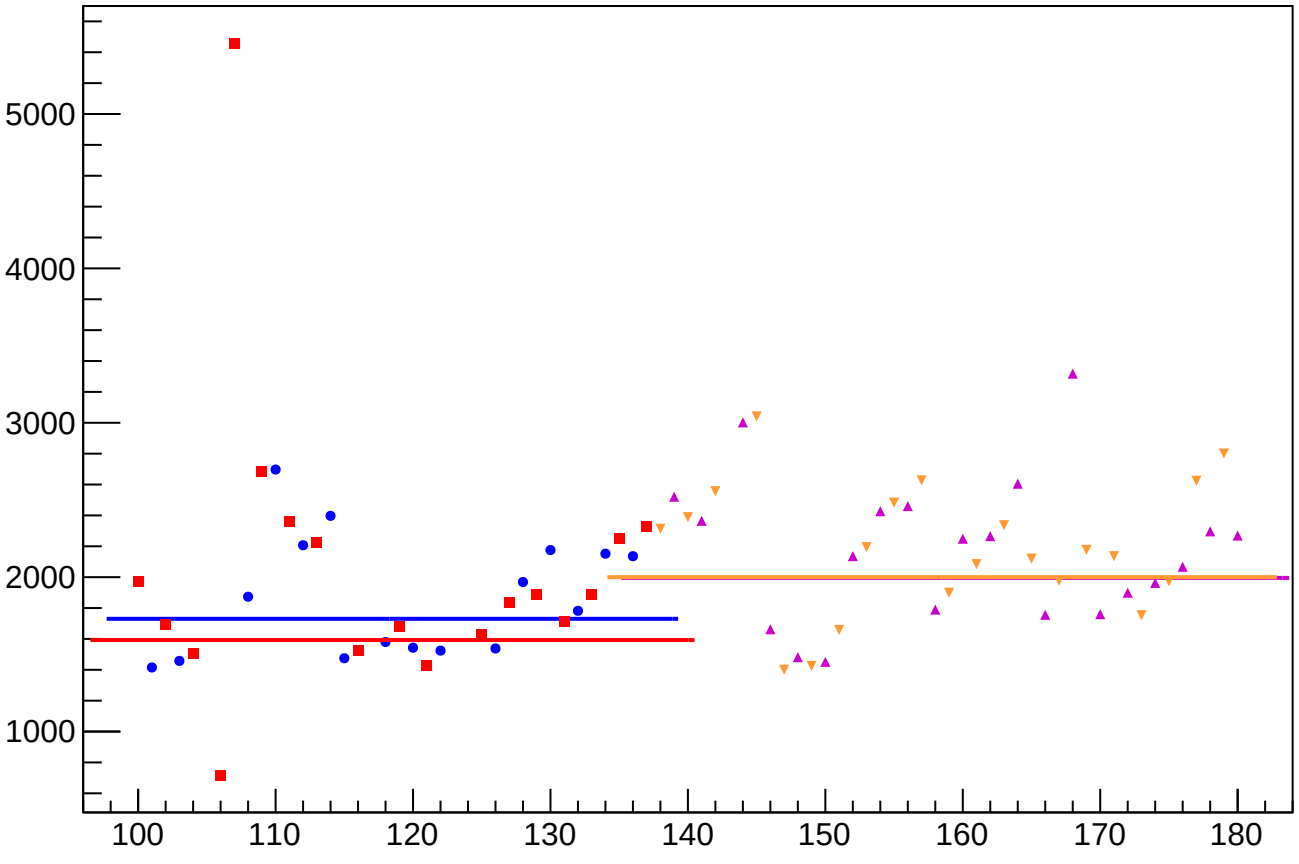
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -120.220+/-493.598 χ^2/NDF:11.3/20

+ sign -260.337+/-400.598 χ^2/NDF: 45.4/36

All: -12.293+/-279.328 χ^2/NDF: 73.6/75

- 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: 1999.886+/-0.357 χ^2/NDF:1423304.9/20

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

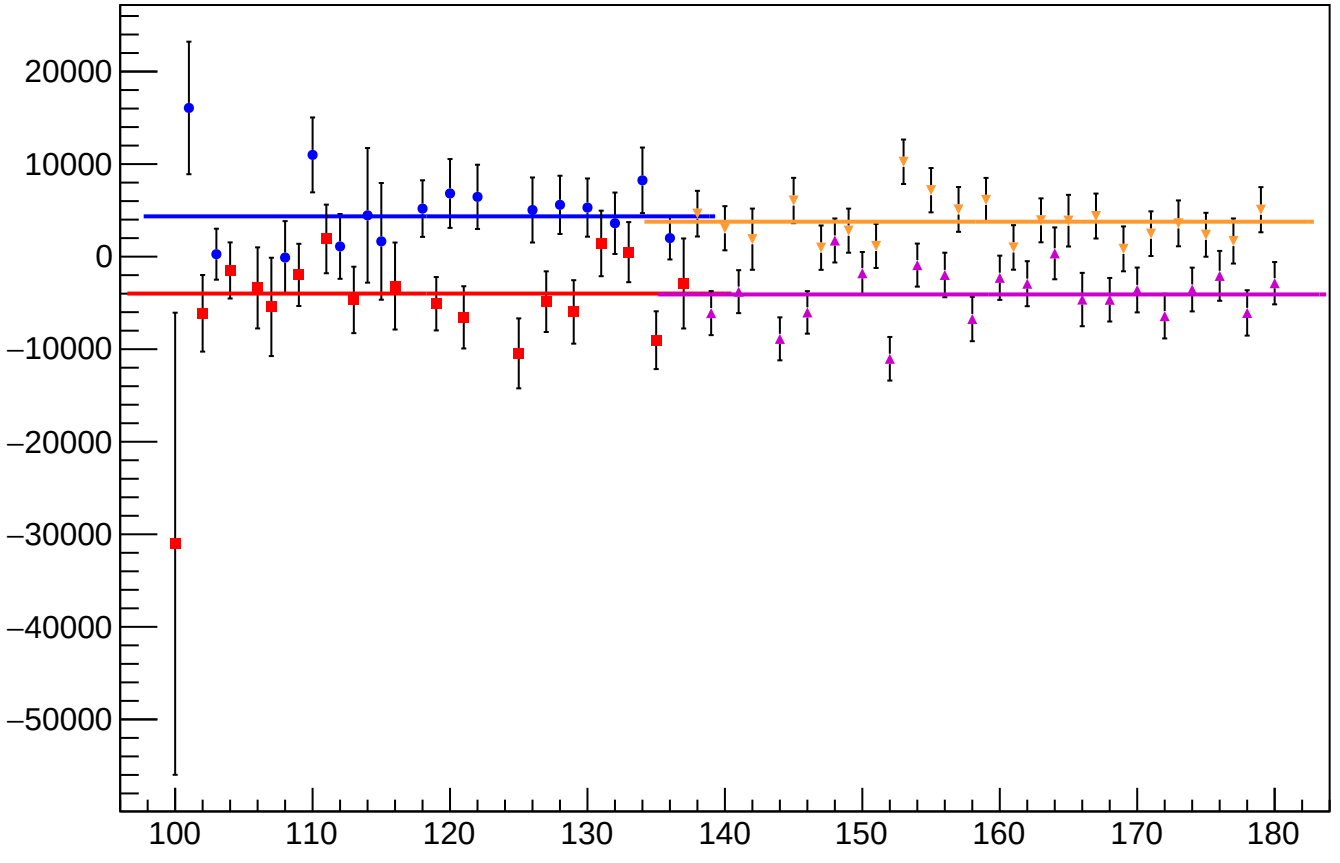
Left In: 1995.215+/-0.349 χ^2/NDF:1473633.6/20

+ sign 1900.061+/-0.283 χ^2/NDF: 2113451.8/36

All: 1871.064+/-0.198 χ^2/NDF: 5664407.1/75

- sign 1843.626+/-0.276 χ^2/NDF: 3530561.1/38

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3774.880+/-535.445 χ^2/NDF:19.3/20

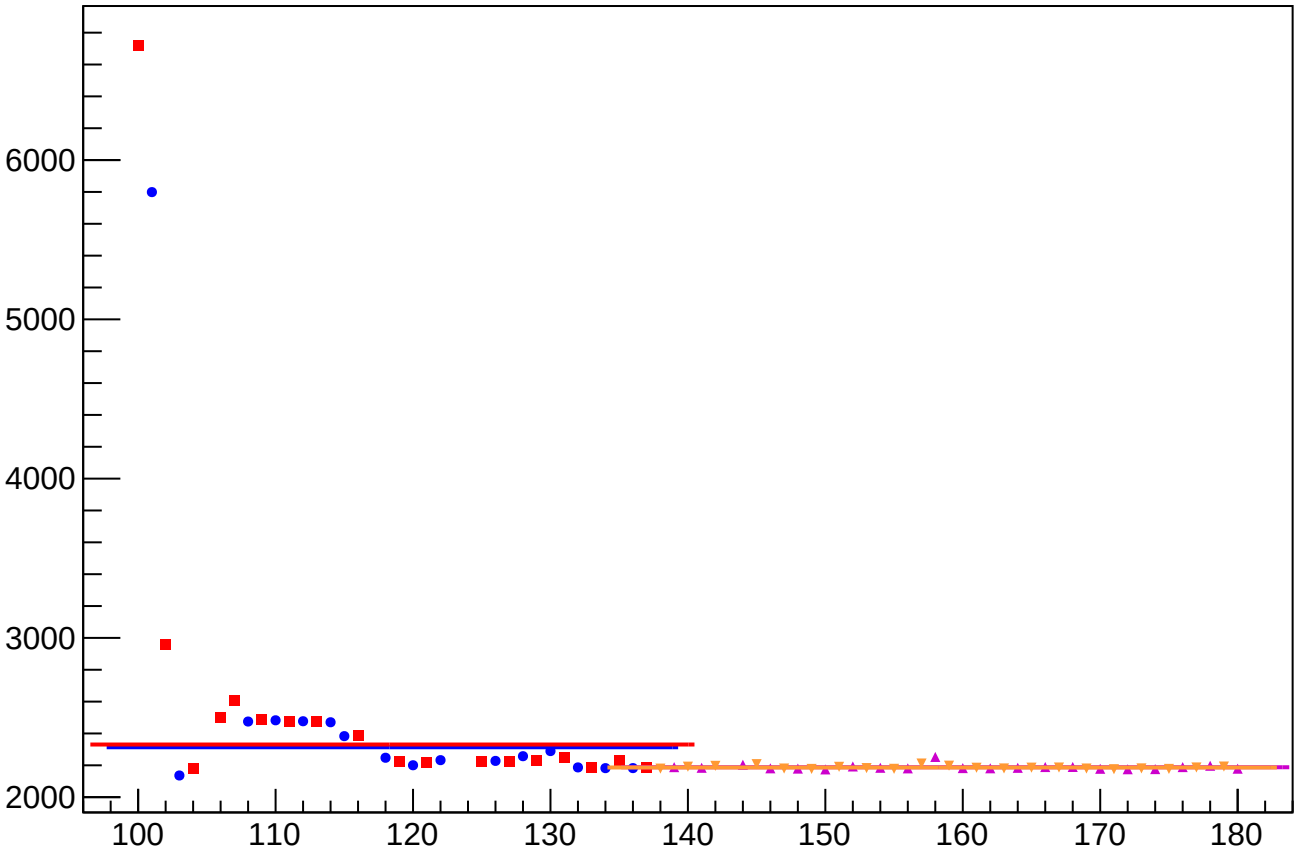
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4083.300+/-526.707 χ^2/NDF:31.2/20

+ sign 3932.528+/-456.740 χ^2/NDF: 32.9/36

All: -115.448+/-320.832 χ^2/NDF: 235.3/75

- 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: 2186.394+/-0.379 χ^2/NDF:646.7/20

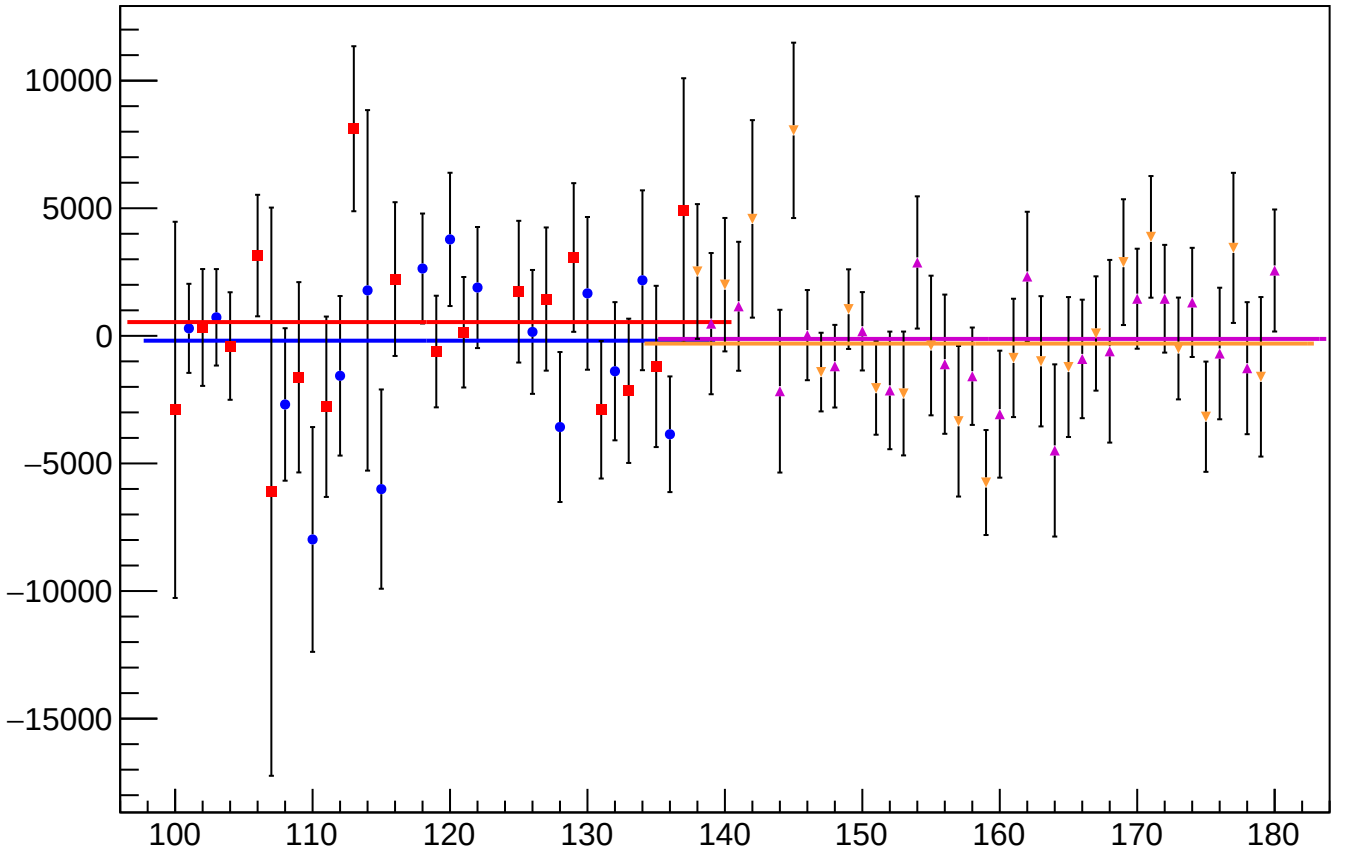
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.845+/-0.372 χ^2/NDF:1919.1/20

+ sign 2220.991+/-0.323 χ^2/NDF: 543674.2/36

All: 2223.545+/-0.227 χ^2/NDF: 736566.4/75

- 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: -302.572+/-504.815 χ^2/NDF:28.9/20

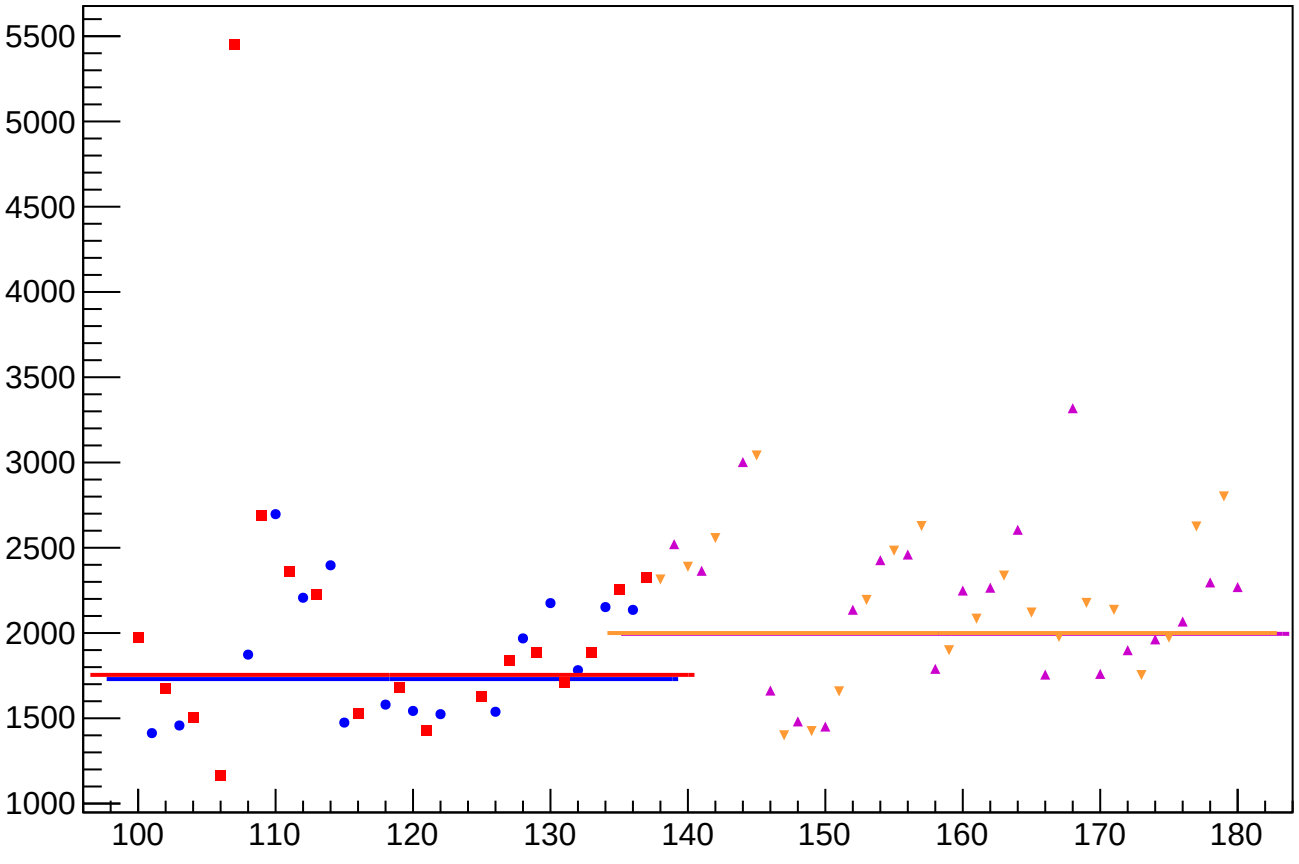
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -120.317+/-493.600 χ^2/NDF:11.3/20

+ sign -260.791+/-400.568 χ^2/NDF: 45.4/36

All: -75.633+/-282.722 χ^2/NDF: 71.7/75

- sign 108.163+/-399.093 χ^2/NDF: 25.8/38



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1999.882+/-0.357 χ^2/NDF:1423358.6/20

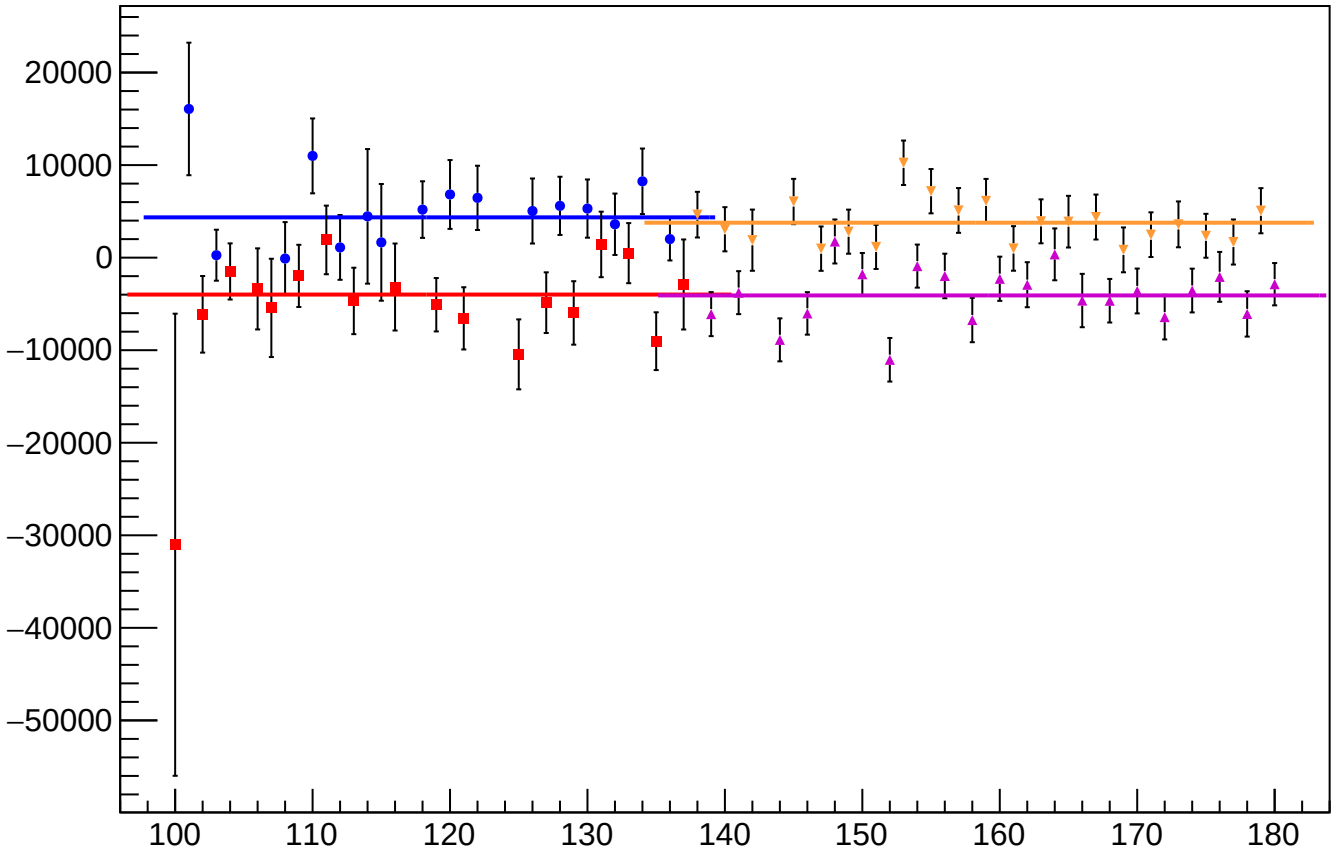
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1995.220+/-0.349 χ^2/NDF:1473654.5/20

+ sign 1899.889+/-0.283 χ^2/NDF: 2115128.0/36

All: 1905.904+/-0.200 χ^2/NDF: 4505364.7/75

- 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: 3774.880+/-535.445 χ^2/NDF:19.3/20

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

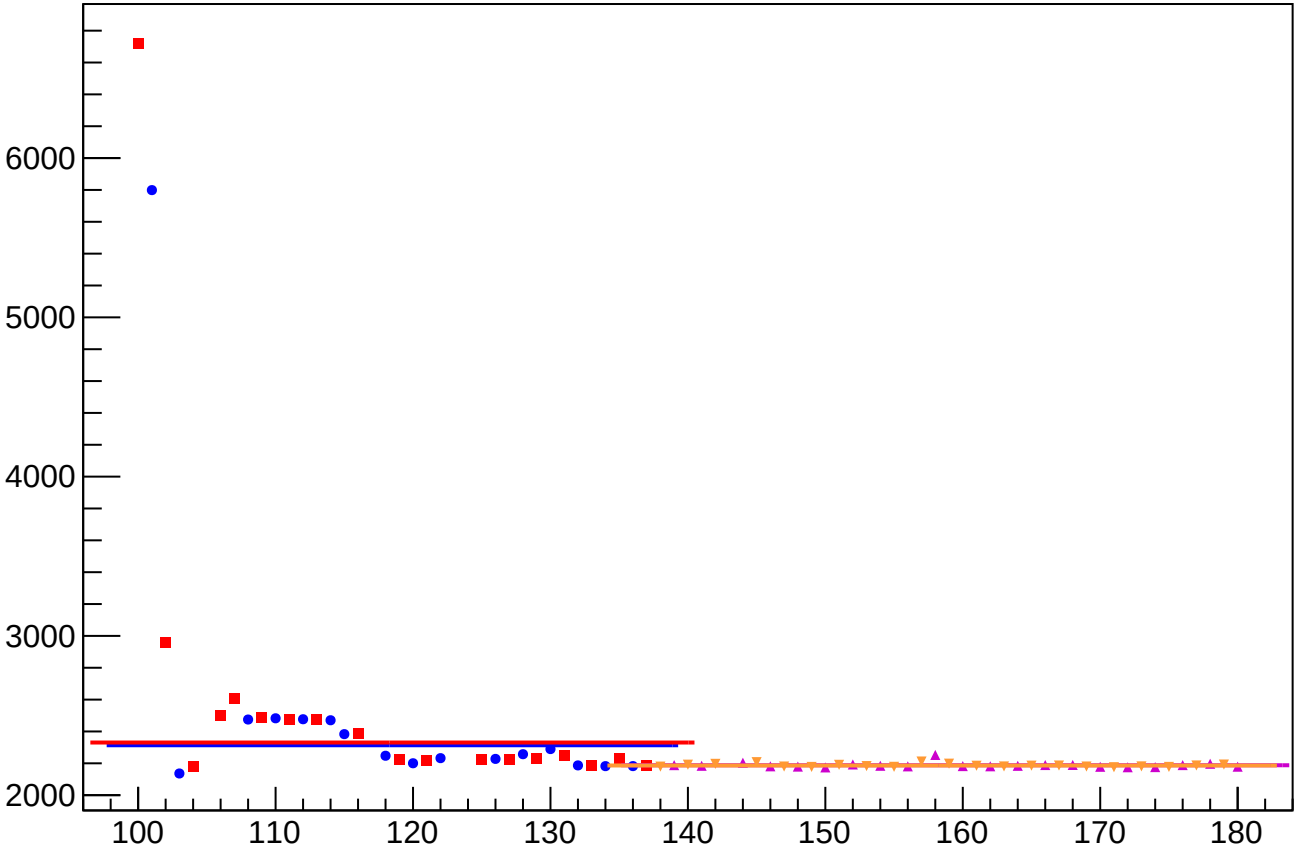
Left In: -4083.300+/-526.707 χ^2/NDF:31.2/20

+ sign 3932.528+/-456.740 χ^2/NDF: 32.9/36

All: -115.448+/-320.832 χ^2/NDF: 235.3/75

- sign -4058.306+/-450.770 χ^2/NDF: 47.4/38

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.394+/-0.379 χ^2/NDF:646.7/20

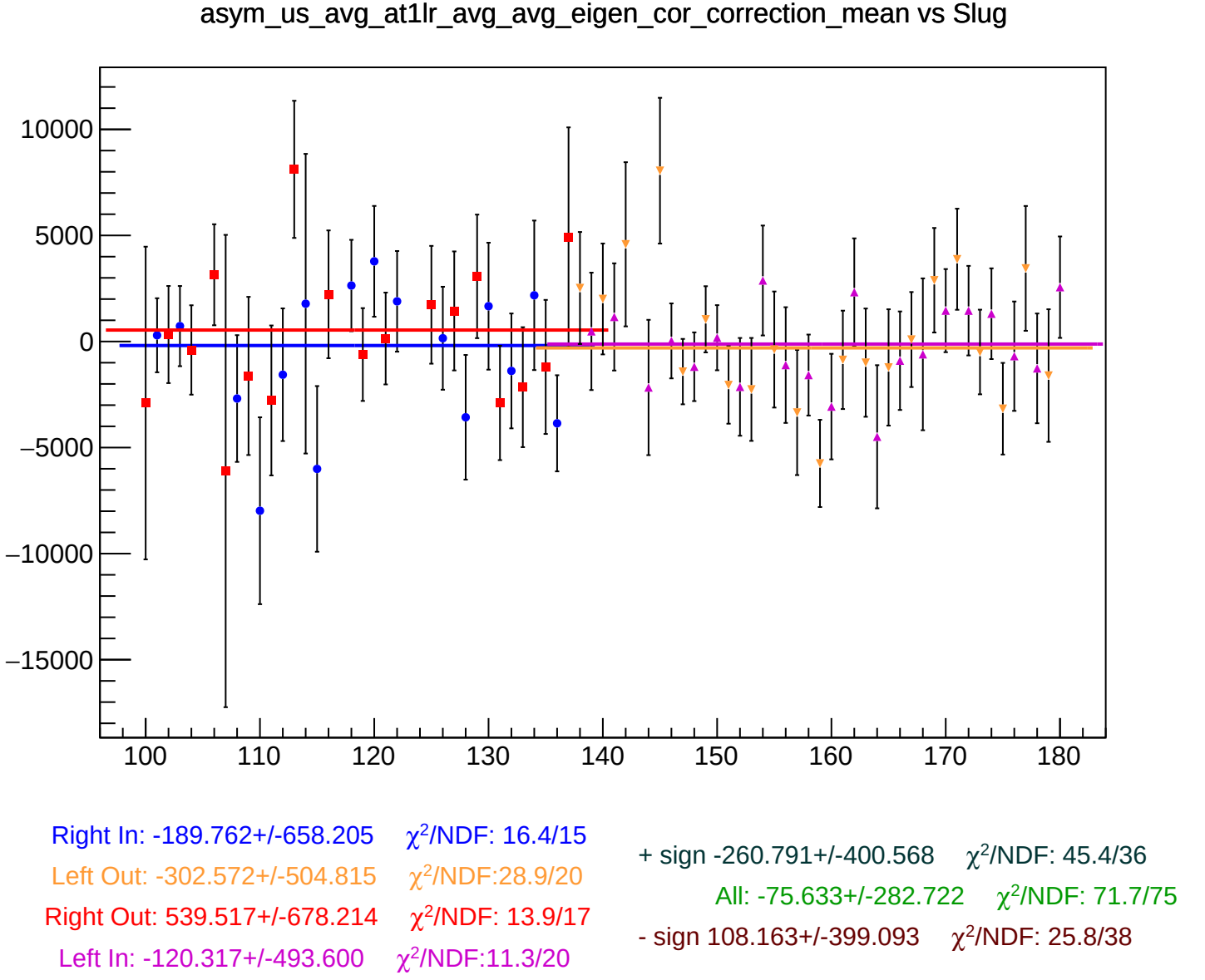
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

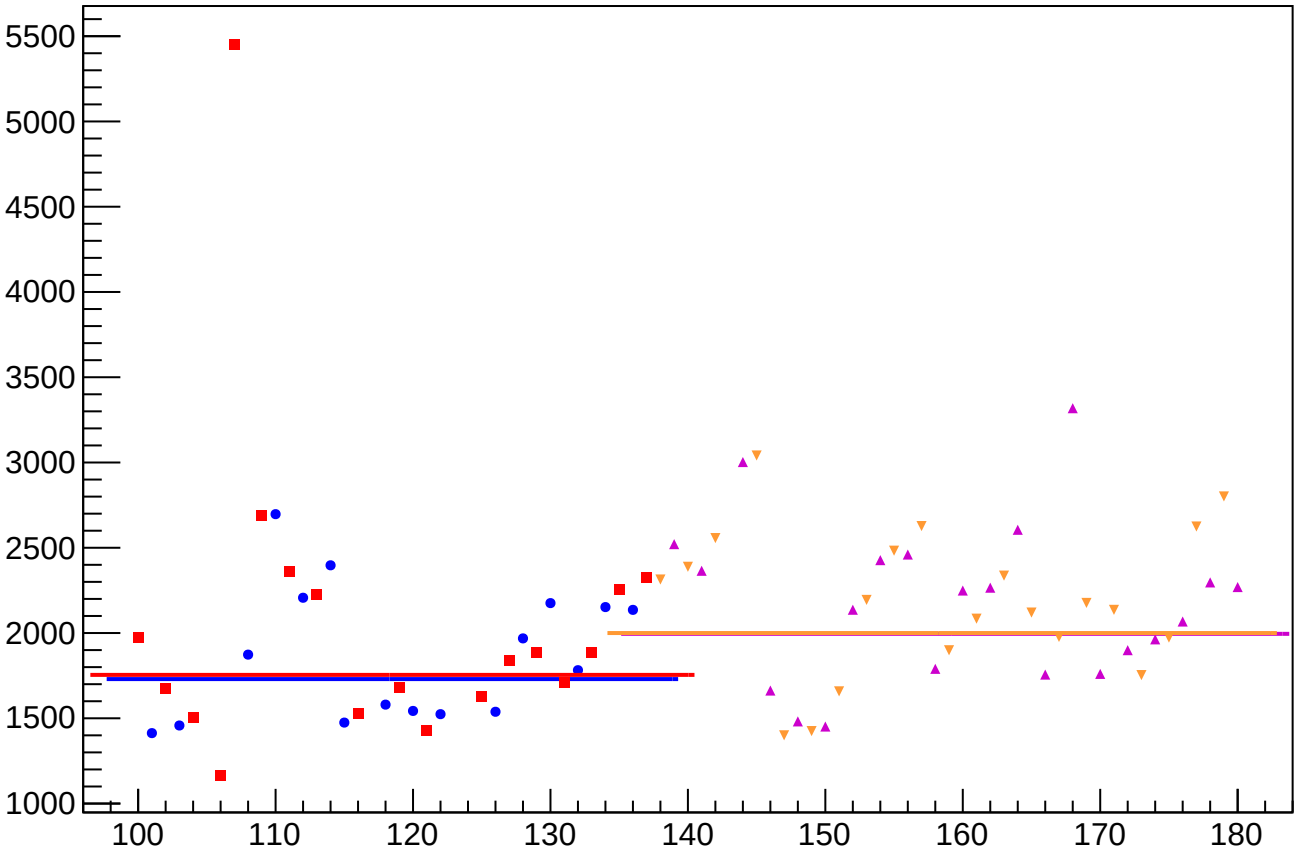
Left In: 2187.845+/-0.372 χ^2/NDF:1919.1/20

+ sign 2220.991+/-0.323 χ^2/NDF: 543674.2/36

All: 2223.545+/-0.227 χ^2/NDF: 736566.4/75

- 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: -302.572+/-504.815 χ²/NDF:28.9/20
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -120.317+/-493.600 χ²/NDF:11.3/20
+ sign -260.791+/-400.568 χ²/NDF: 45.4/36
All: -75.633+/-282.722 χ²/NDF: 71.7/75
- sign 108.163+/-399.093 χ²/NDF: 25.8/38



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1999.882+/-0.357 χ^2/NDF:1423358.6/20

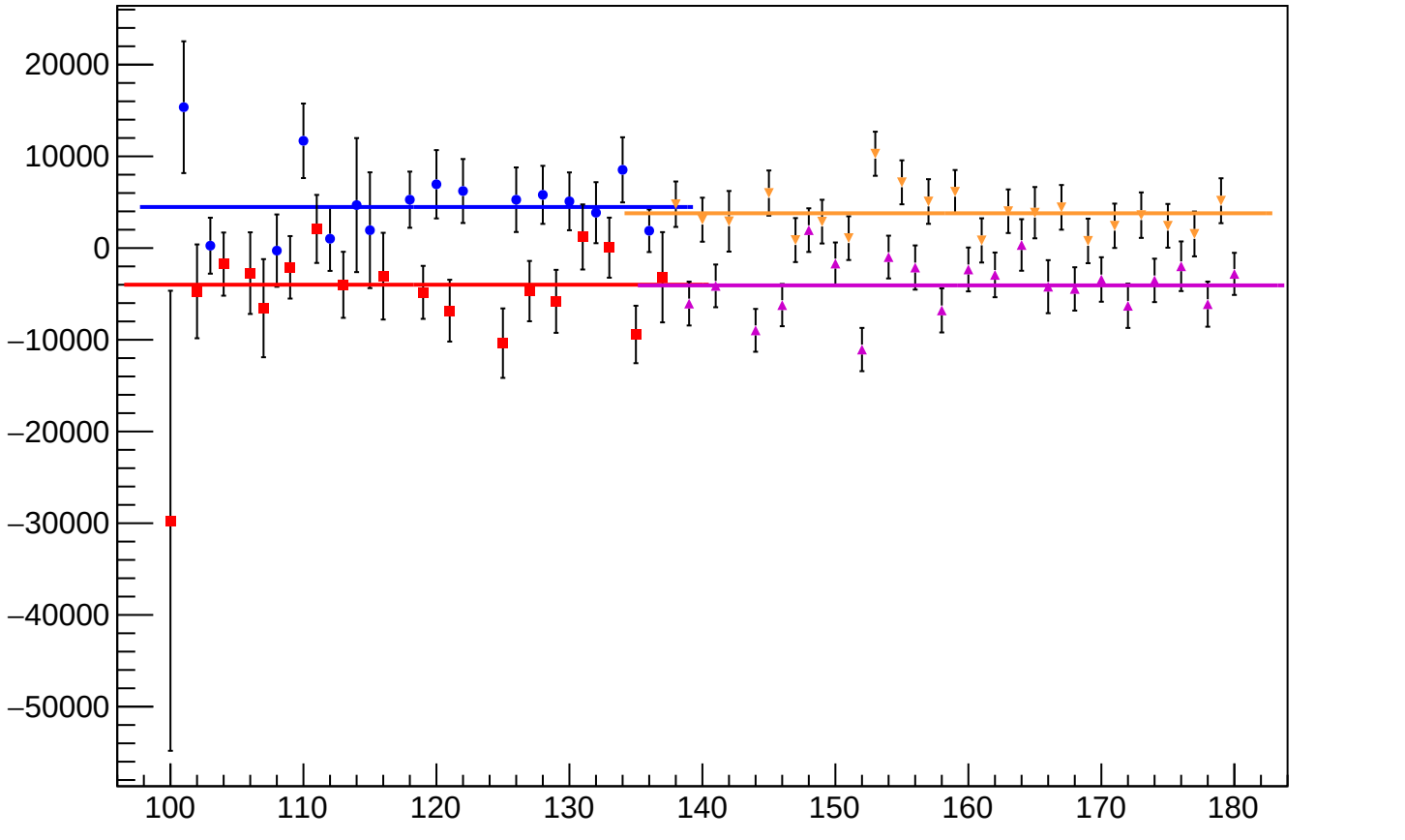
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1995.220+/-0.349 χ^2/NDF:1473654.5/20

+ sign 1899.889+/-0.283 χ^2/NDF: 2115128.0/36

All: 1905.904+/-0.200 χ^2/NDF: 4505364.7/75

- 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: 3792.391+/-536.814 χ^2/NDF:19.5/20

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

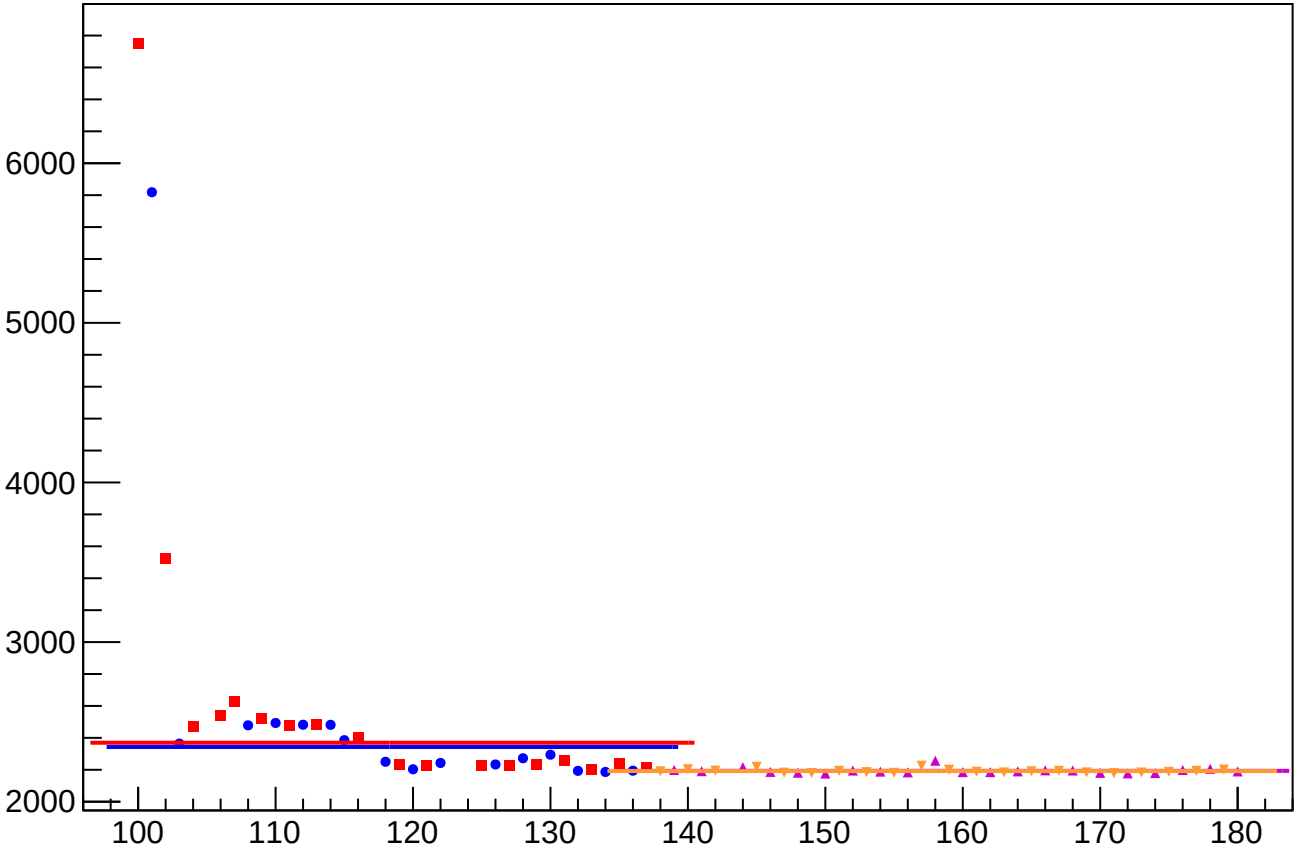
Left In: -4067.942+/-528.038 χ^2/NDF:31.7/20

+ sign 3976.044+/-459.130 χ^2/NDF: 33.5/36

All: -80.021+/-322.891 χ^2/NDF: 235.1/75

- 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: 2191.902+/-0.380 χ^2/NDF:1002.7/20

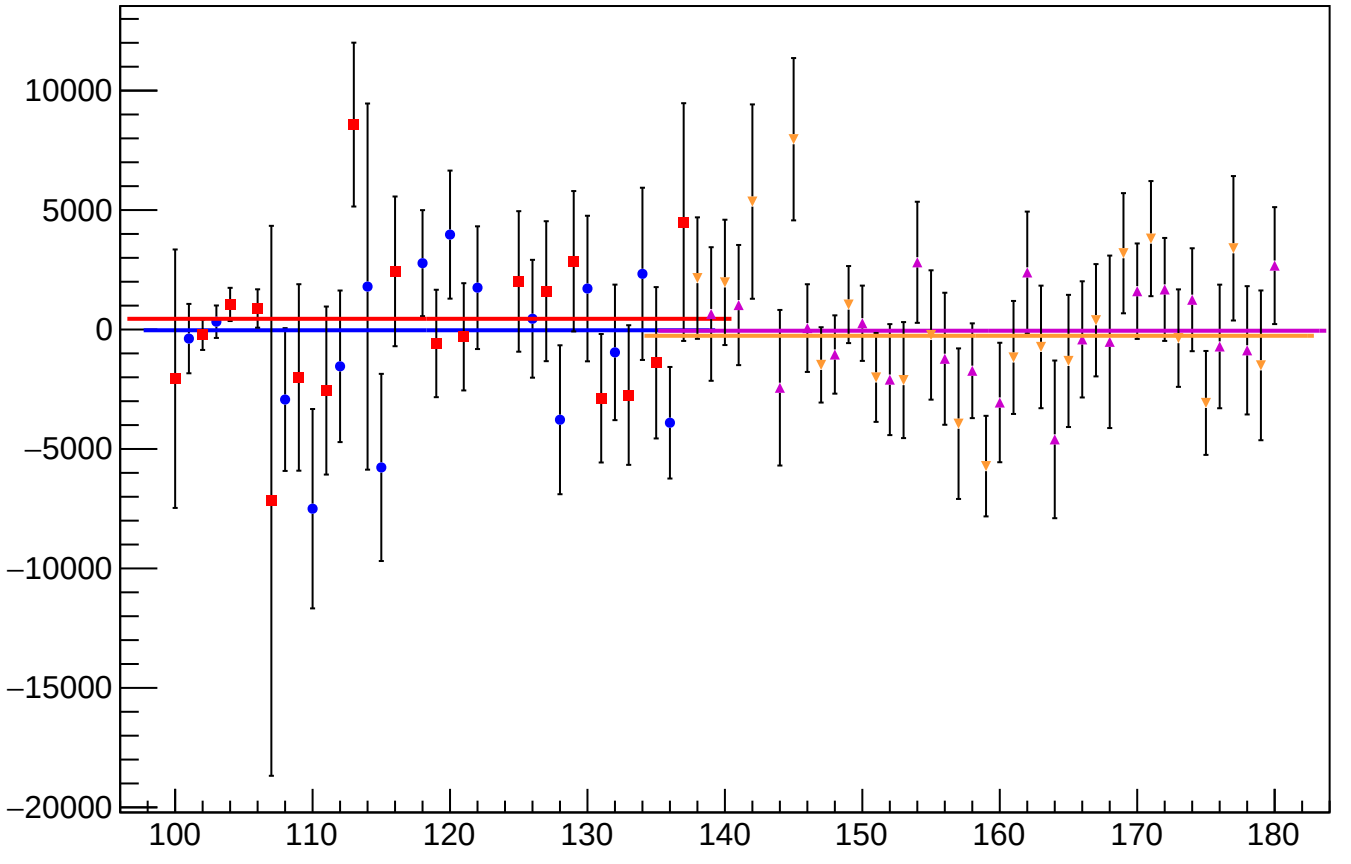
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2193.322+/-0.373 χ^2/NDF:2130.7/20

+ sign 2232.446+/-0.325 χ^2/NDF: 546363.0/36

All: 2235.848+/-0.228 χ^2/NDF: 816830.2/75

- 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: -262.696+/-513.552 χ^2/NDF:28.6/20

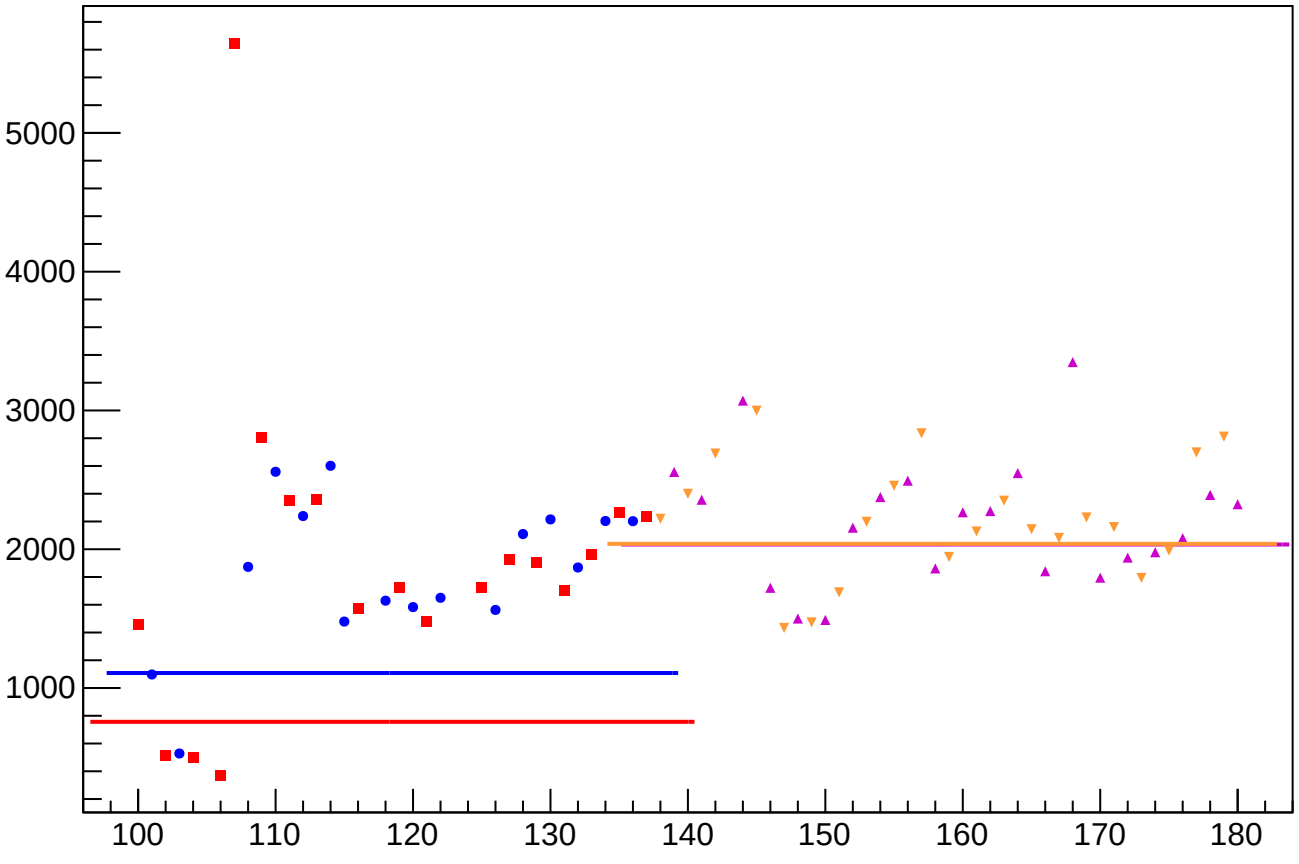
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -50.487+/-502.059 χ^2/NDF:11.5/20

+ sign -140.514+/-352.735 χ^2/NDF: 45.1/36

All: 106.076+/-225.811 χ^2/NDF: 73.2/75

- 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: 2038.981+/-0.363 χ^2/NDF:1358096.8/20

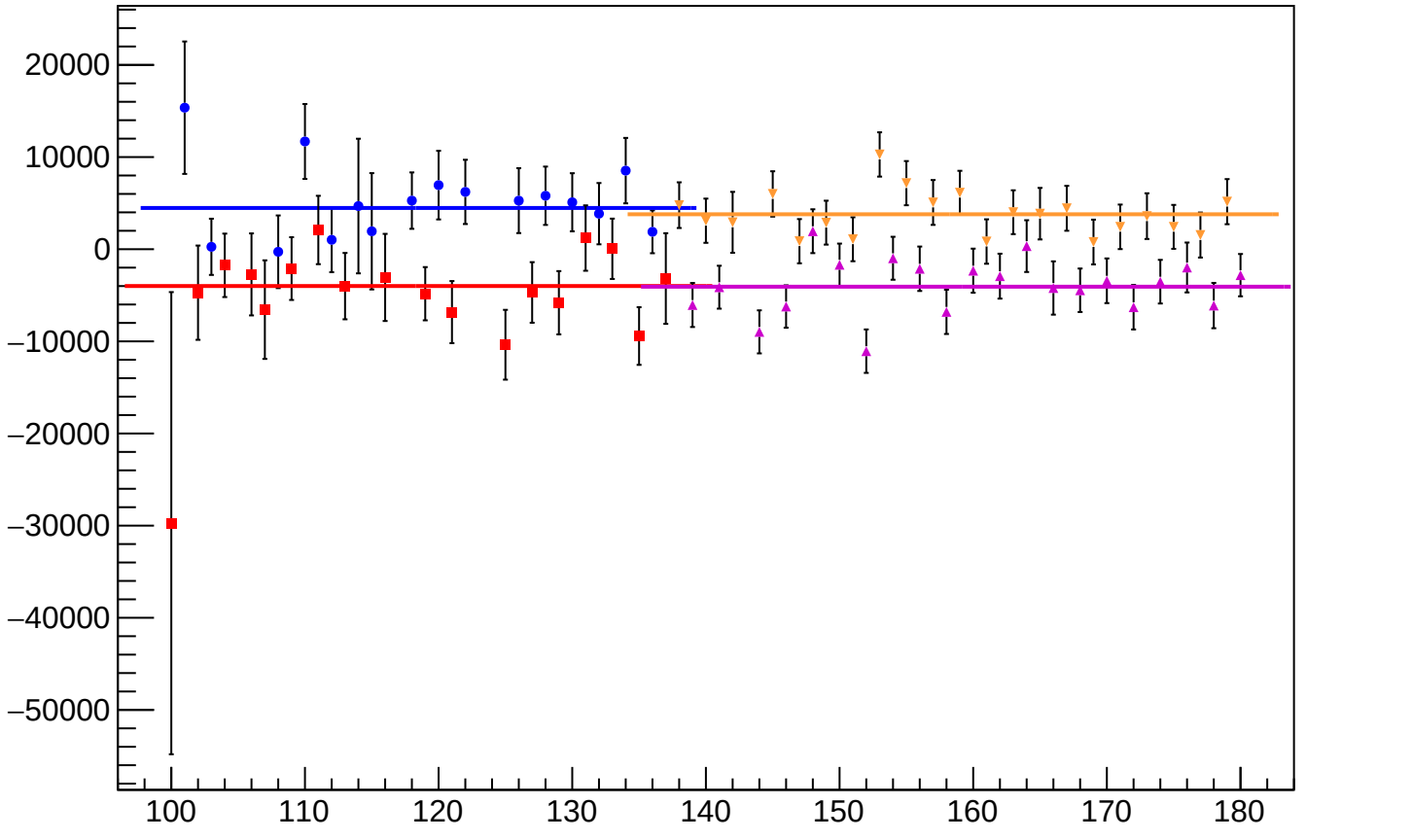
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2034.246+/-0.355 χ^2/NDF:1385351.1/20

+ sign 1547.280+/-0.249 χ^2/NDF: 8575436.5/36

All: 1339.025+/-0.160 χ^2/NDF: 25260268.9/7

- 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: 3792.389+/-536.814 χ^2/NDF:19.5/20

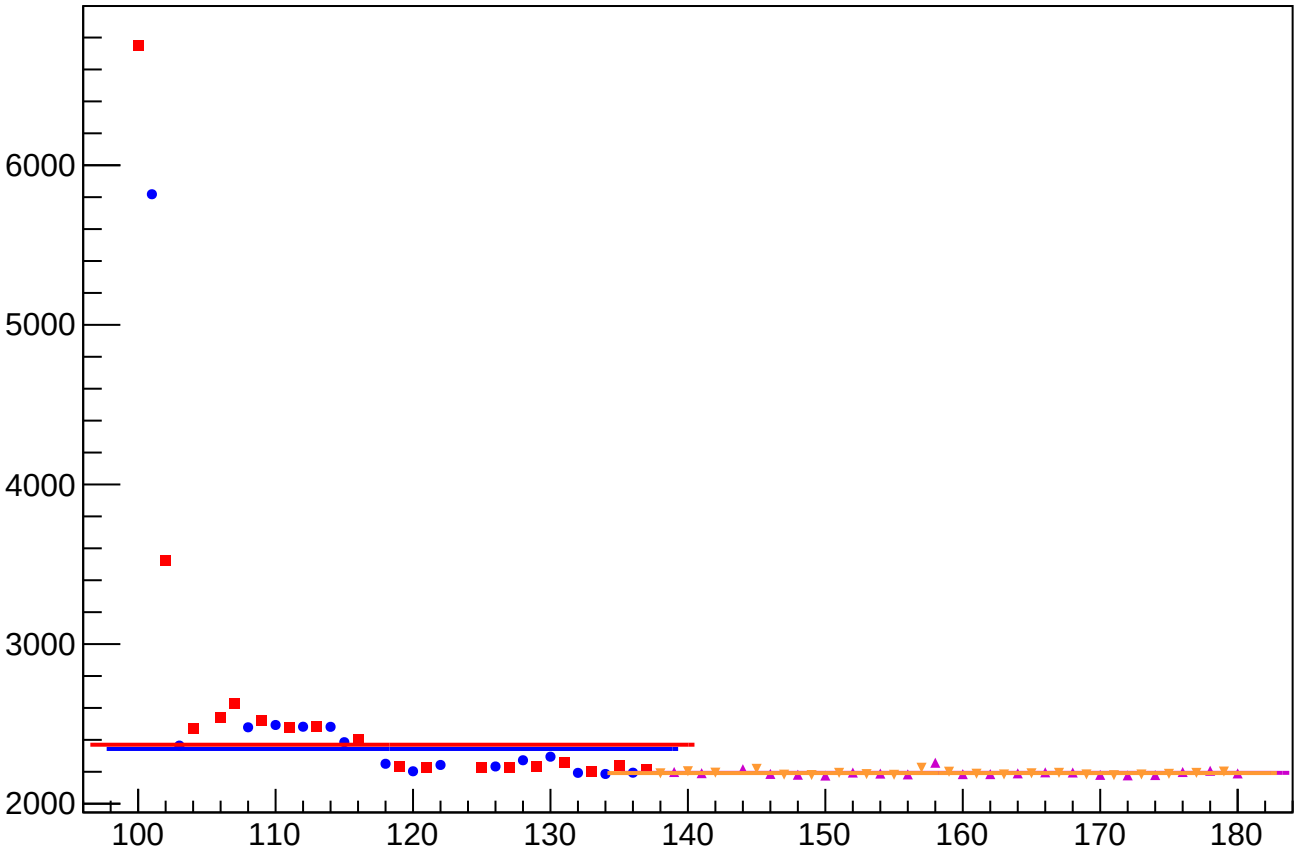
Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: -4067.943+/-528.038 χ^2/NDF:31.7/20

+ sign 3976.042+/-459.130 χ^2/NDF: 33.5/36

All: -80.022+/-322.891 χ^2/NDF: 235.1/75

- 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: 2191.902+/-0.380 χ^2/NDF:1002.7/20

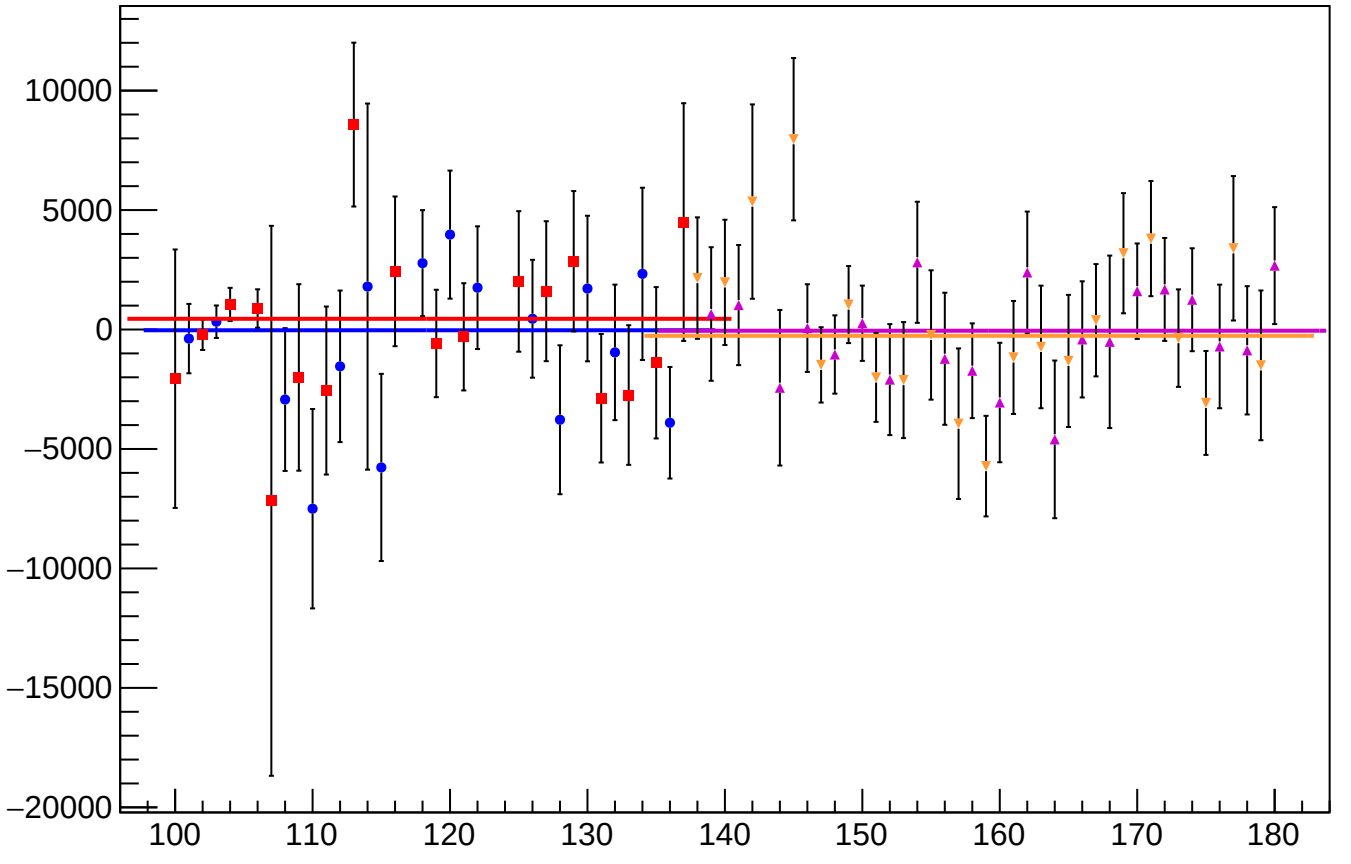
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2193.322+/-0.373 χ^2/NDF:2130.7/20

+ sign 2232.446+/-0.325 χ^2/NDF: 546362.7/36

All: 2235.848+/-0.228 χ^2/NDF: 816828.5/75

- 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: -262.699+/-513.553 χ^2/NDF:28.6/20

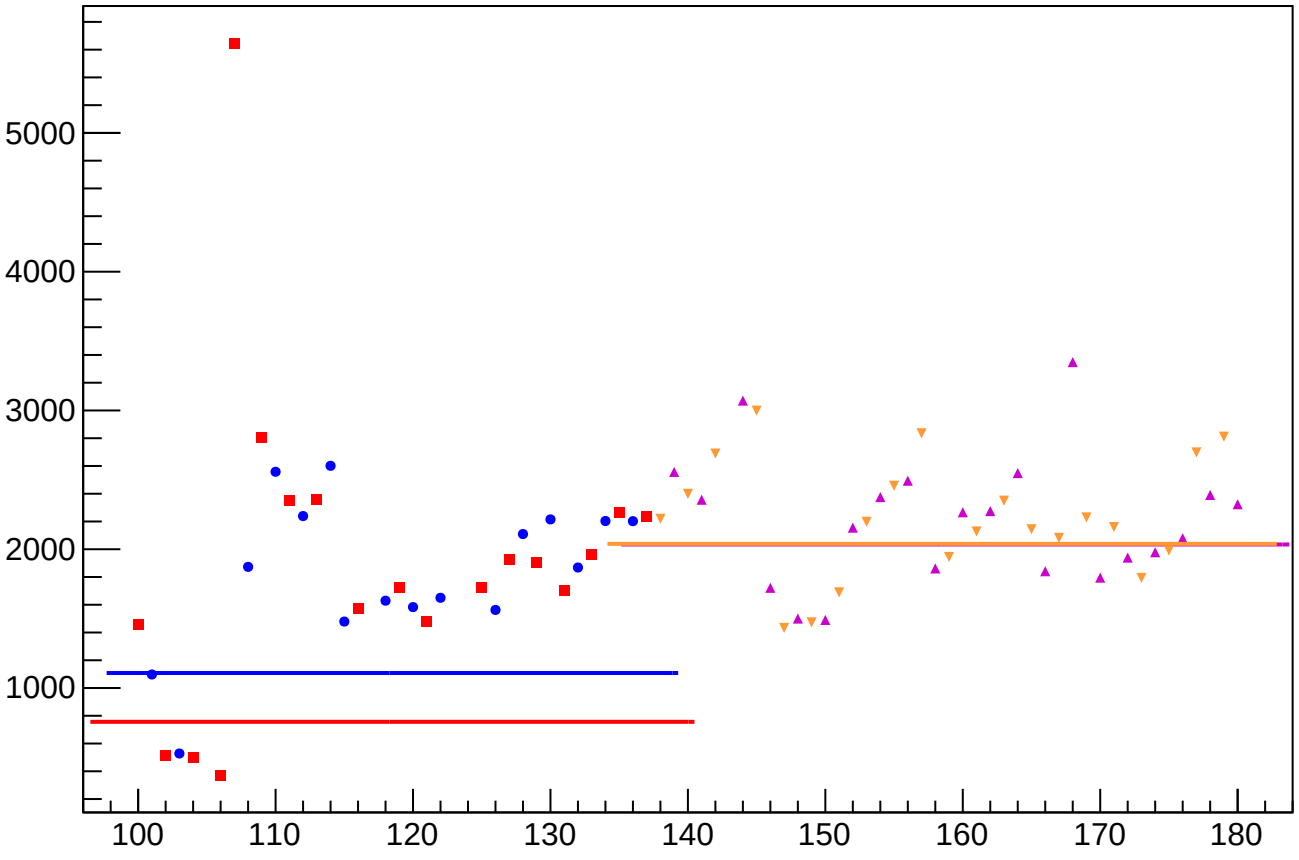
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -50.488+/-502.060 χ^2/NDF:11.5/20

\+ sign -140.520+/-352.736 χ^2/NDF: 45.1/36

All: 106.072+/-225.813 χ^2/NDF: 73.2/75

\- 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: 2038.985+/-0.363 χ^2/NDF:1358096.1/20

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

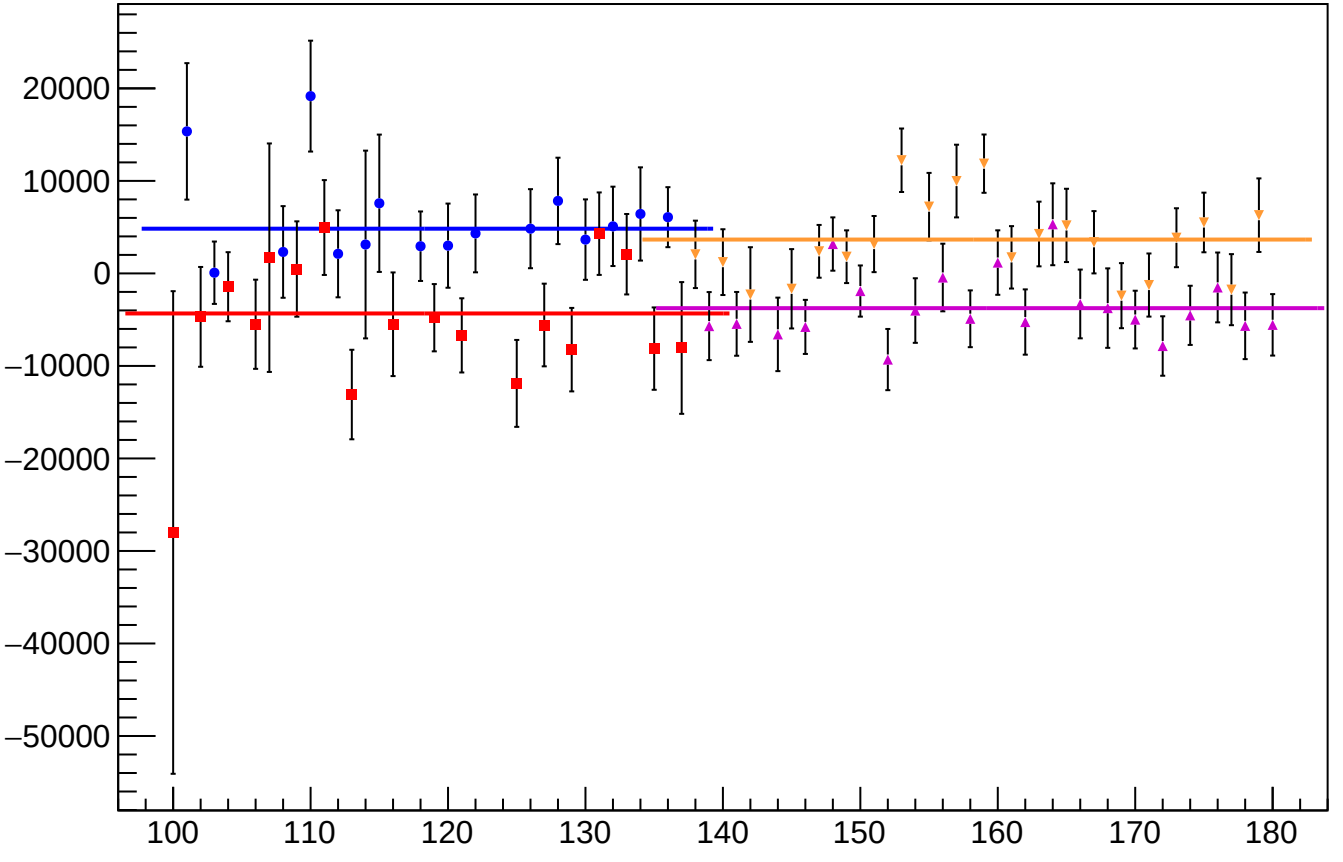
Left In: 2034.249+/-0.355 χ^2/NDF:1385349.6/20

+ sign 1547.288+/-0.249 χ^2/NDF: 8575291.2/36

All: 1339.039+/-0.160 χ^2/NDF: 25259680.3/7

- sign 1194.430+/-0.208 χ^2/NDF: 15503220.0/38

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3659.580+/-757.717 χ^2/NDF:29.1/20

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

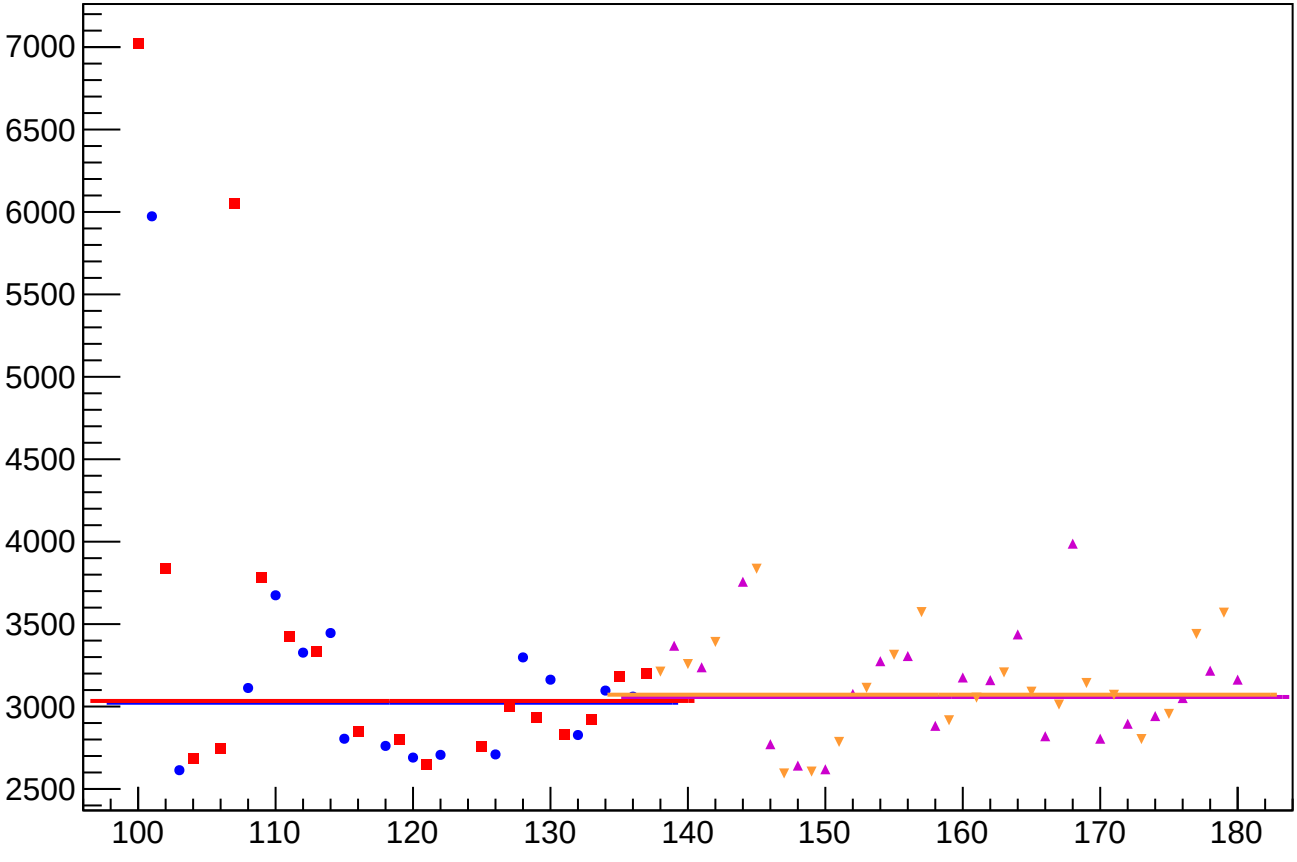
Left In: -3755.928+/-741.239 χ^2/NDF:20.7/20

+ sign 4018.269+/-631.470 χ^2/NDF: 41.5/36

All: -12.426+/-443.189 χ^2/NDF: 162.6/75

- 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: 3071.873+/-0.536 χ^2/NDF:324898.9/20

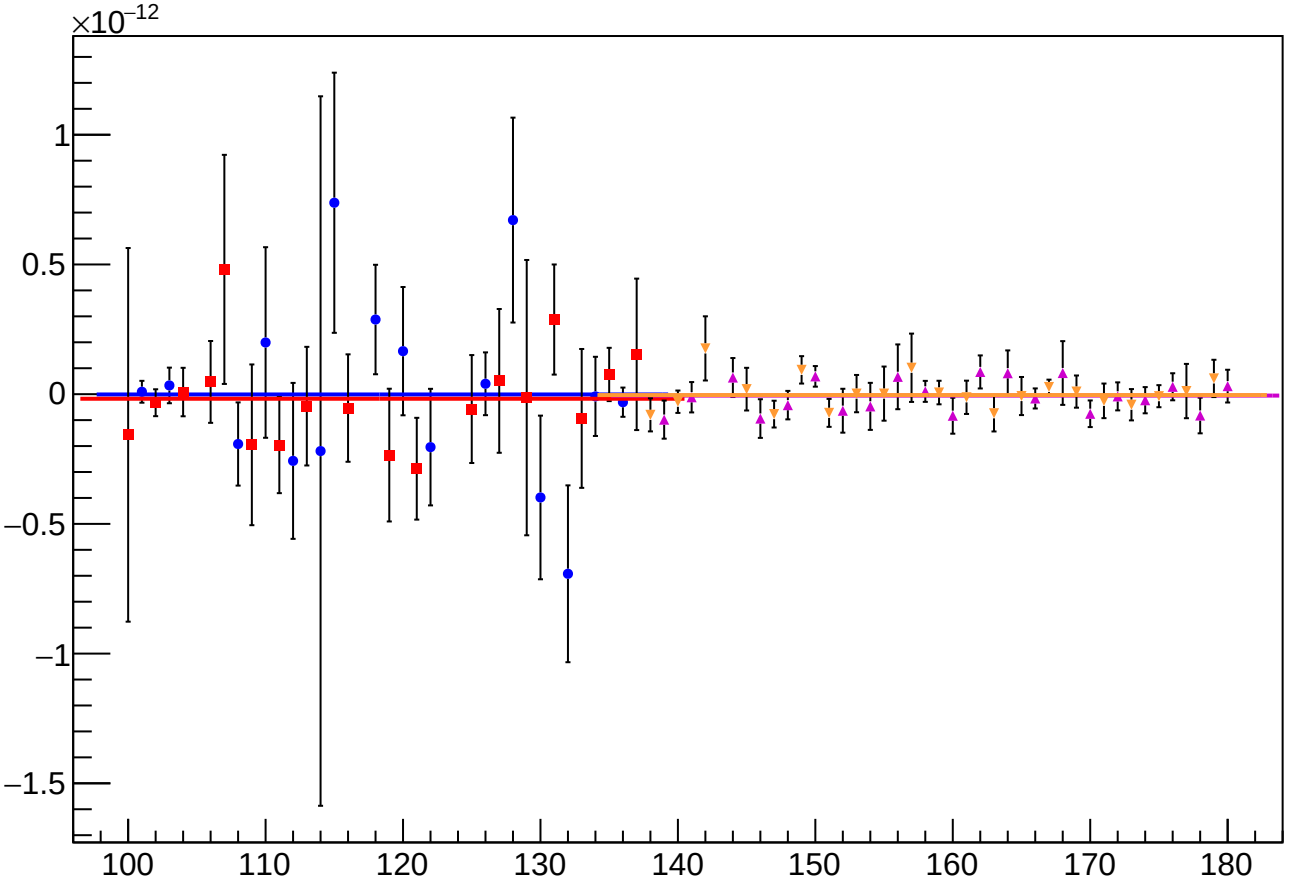
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3057.993+/-0.524 χ^2/NDF:363933.8/20

+ sign 3056.965+/-0.447 χ^2/NDF: 771139.3/36

All: 3053.869+/-0.313 χ^2/NDF: 1478468.4/75

- 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:15.3/20

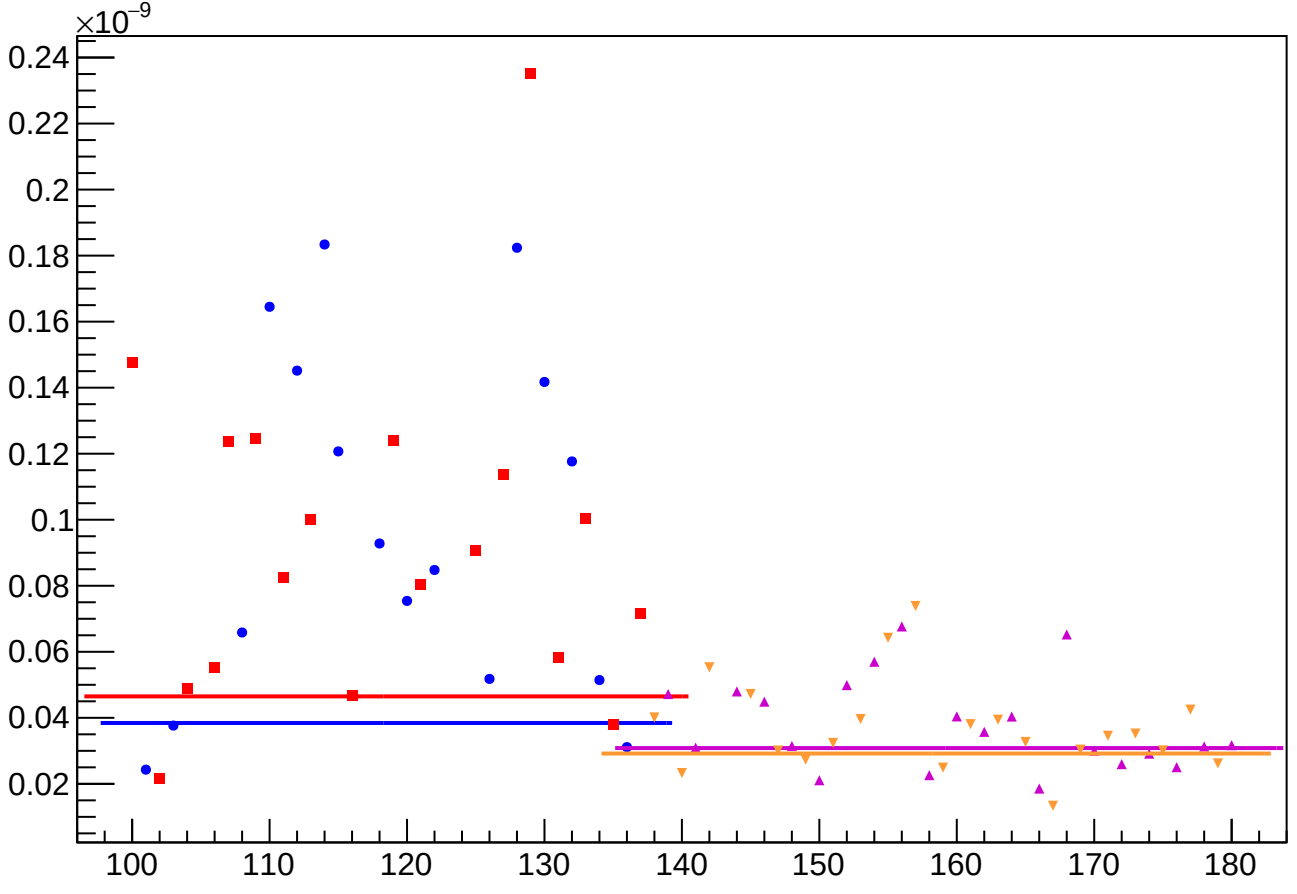
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:17.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 32.4/36

All: -0.000+/-0.000 χ^2/NDF: 59.4/75

- 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:1586545.2/20

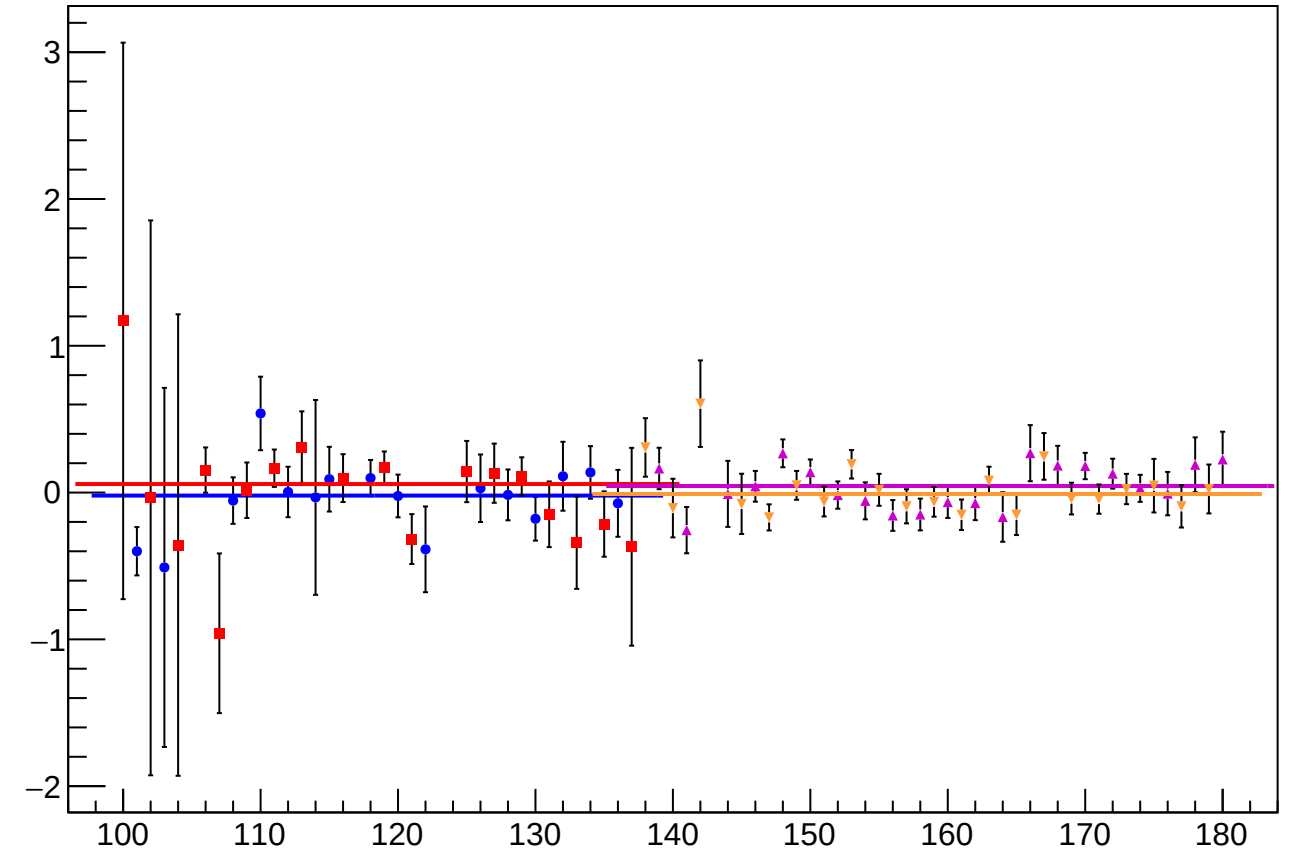
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1396058.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 3548837.9/36

All: 0.000+/-0.000 χ^2/NDF: 7030981.3/75

- 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: -0.010+/-0.026 χ^2/NDF:23.4/20

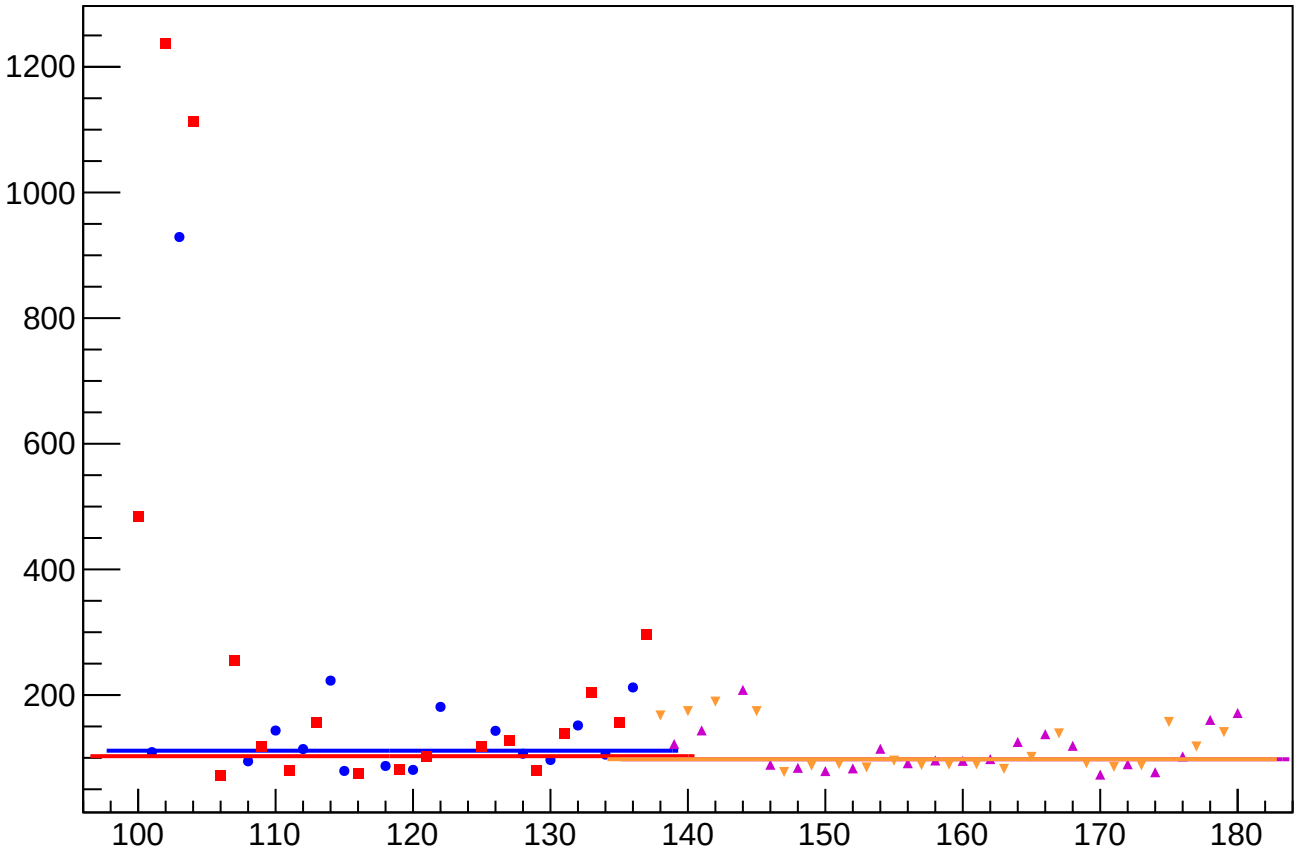
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.045+/-0.026 χ^2/NDF:29.8/20

+ sign -0.012+/-0.023 χ^2/NDF: 39.1/36

All: 0.018+/-0.016 χ^2/NDF: 89.3/75

- 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: 97.884+/-0.018 χ^2/NDF:1849008.0/20

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

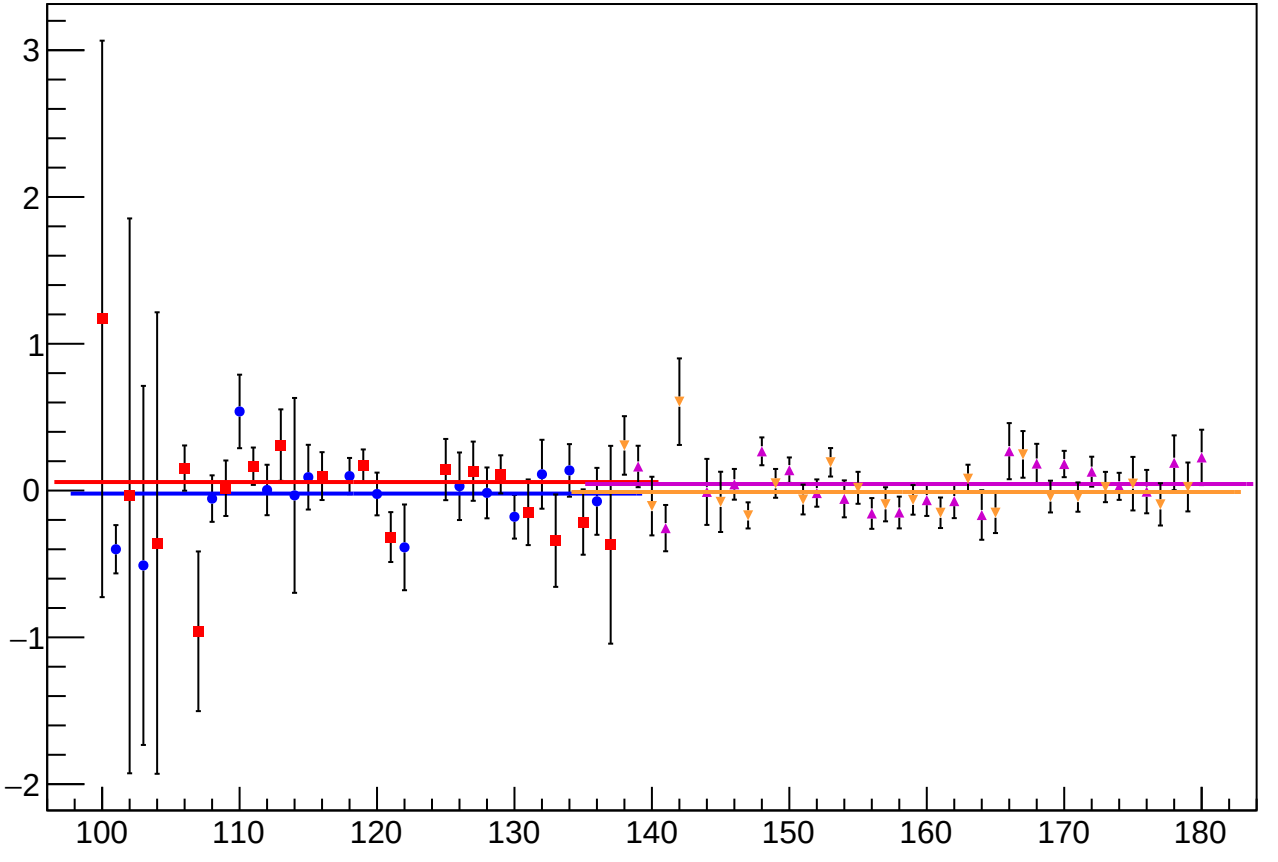
Left In: 97.788+/-0.018 χ^2/NDF:1937643.3/20

+ sign 101.014+/-0.016 χ^2/NDF: 3812274.3/36

All: 99.951+/-0.011 χ^2/NDF: 8602177.7/75

- 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: -0.010+/-0.026 χ^2/NDF:23.4/20

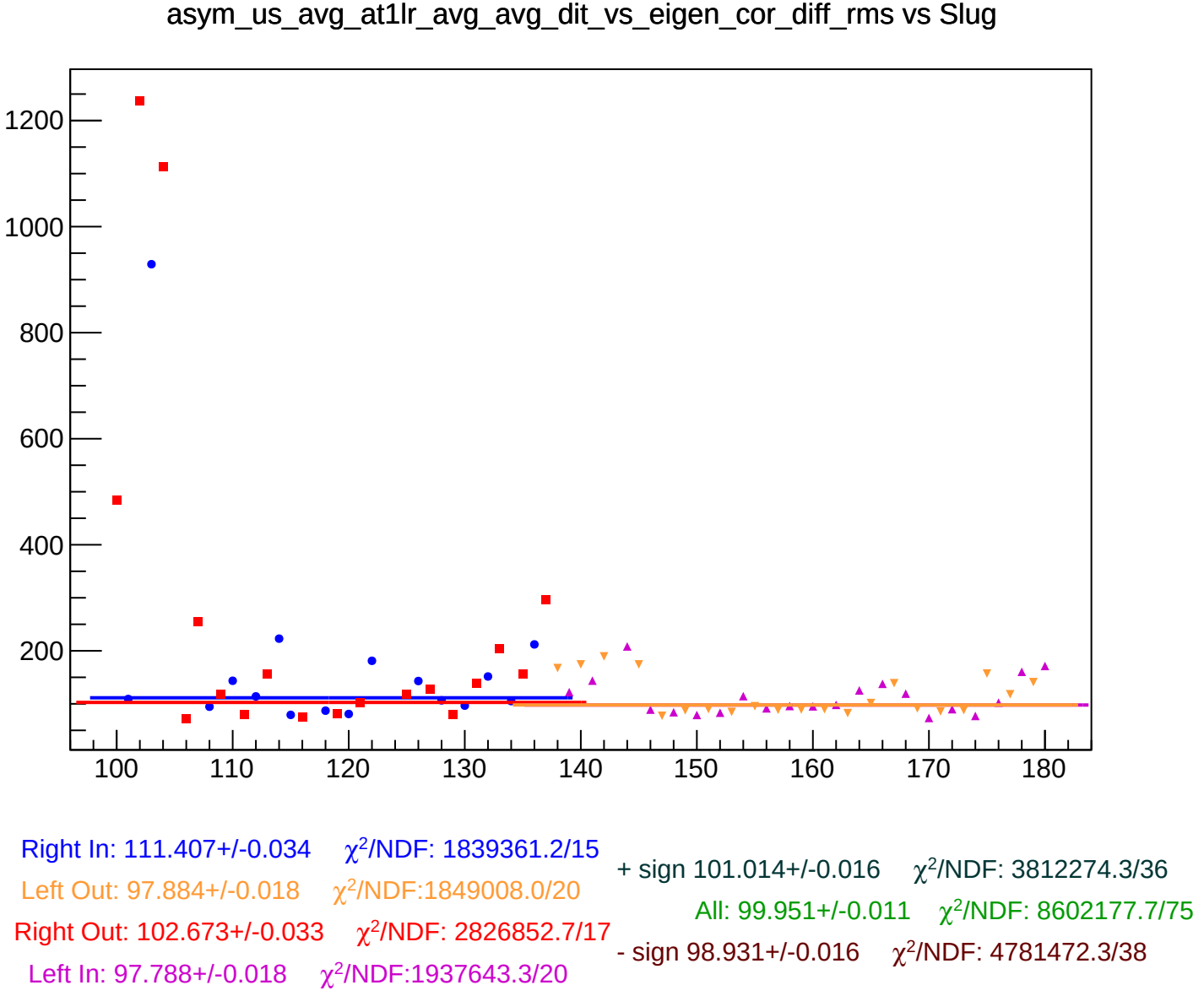
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

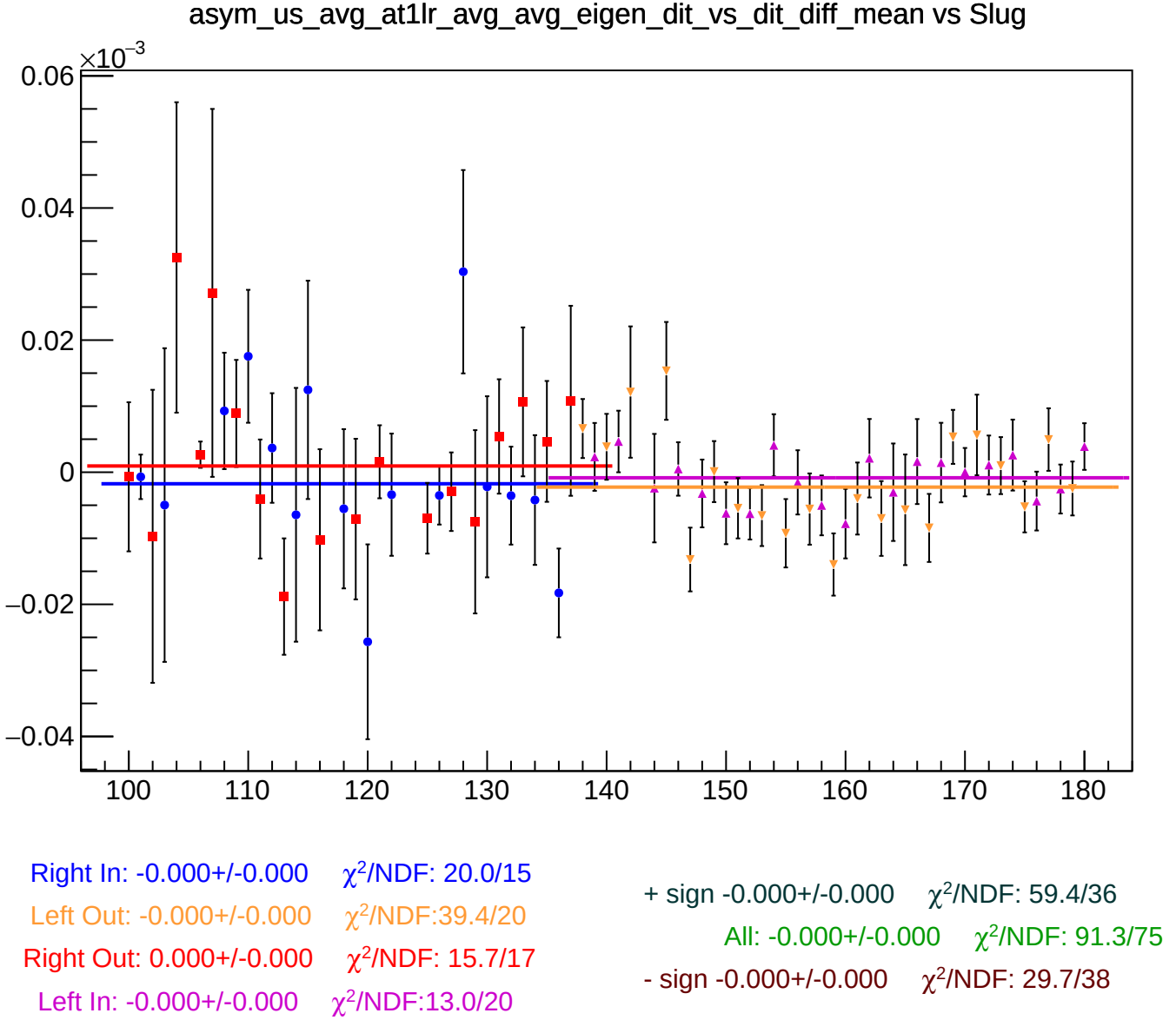
Left In: 0.045+/-0.026 χ^2/NDF:29.8/20

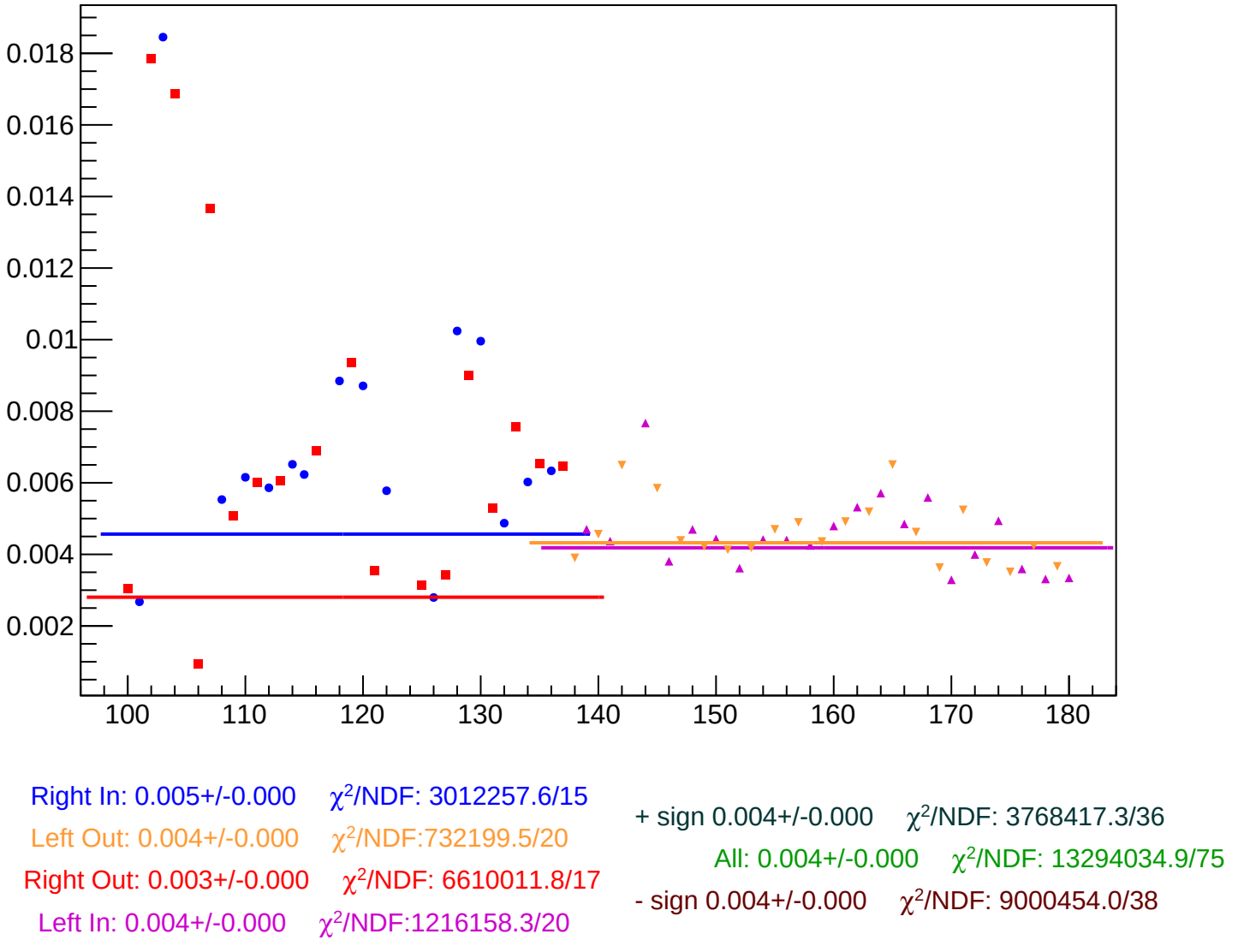
+ sign -0.012+/-0.023 χ^2/NDF: 39.1/36

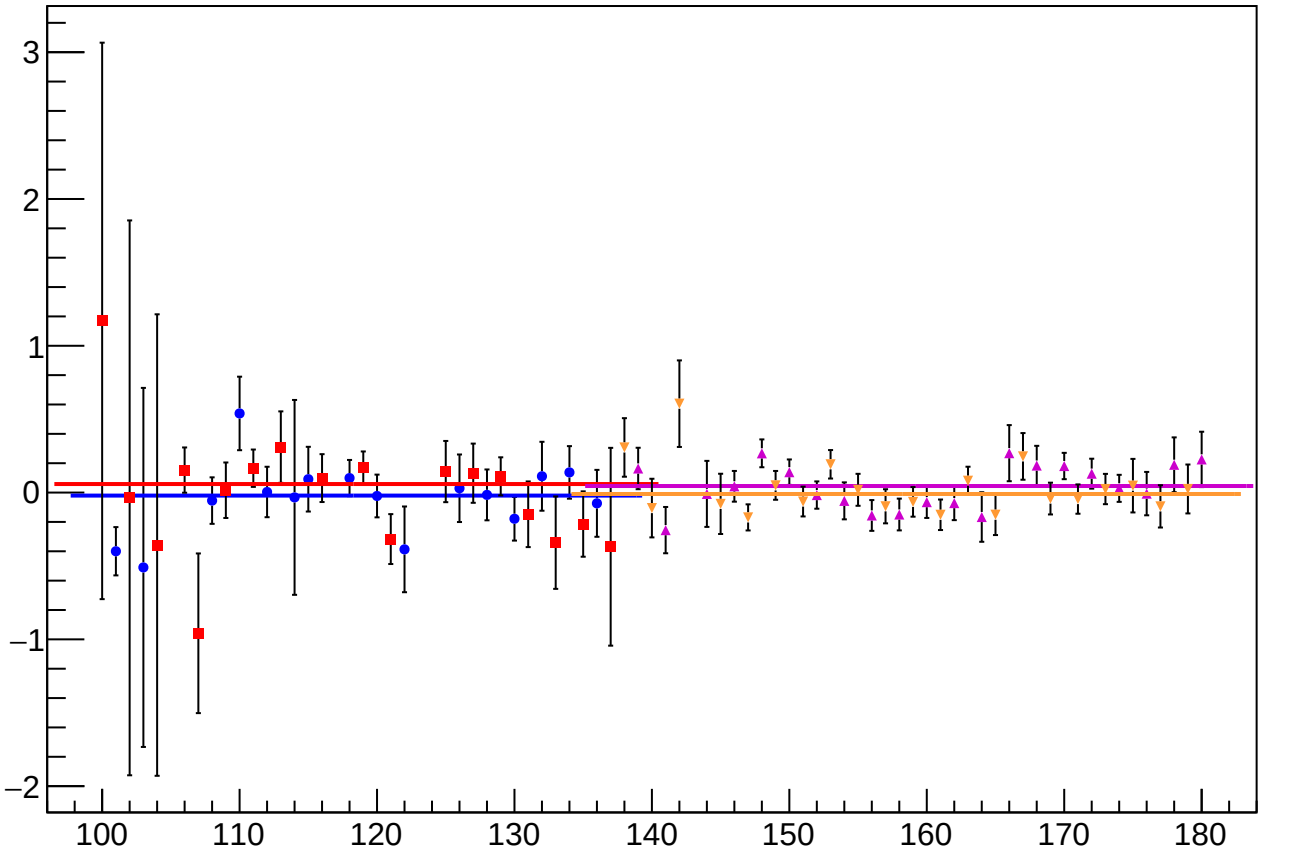
All: 0.018+/-0.016 χ^2/NDF: 89.3/75

- sign 0.048+/-0.022 χ^2/NDF: 46.7/38


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 97.884+/-0.018 χ²/NDF:1849008.0/20
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 97.788+/-0.018 χ²/NDF:1937643.3/20
+ sign 101.014+/-0.016 χ²/NDF: 3812274.3/36
All: 99.951+/-0.011 χ²/NDF: 8602177.7/75
- sign 98.931+/-0.016 χ²/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:39.4/20
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: 59.4/36
All: -0.000+/-0.000 χ²/NDF: 91.3/75
- 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:732199.5/20
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: 3768417.3/36
All: 0.004+/-0.000 χ²/NDF: 13294034.9/75
- sign 0.004+/-0.000 χ²/NDF: 9000454.0/38



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.010+/-0.026 χ^2/NDF:23.4/20

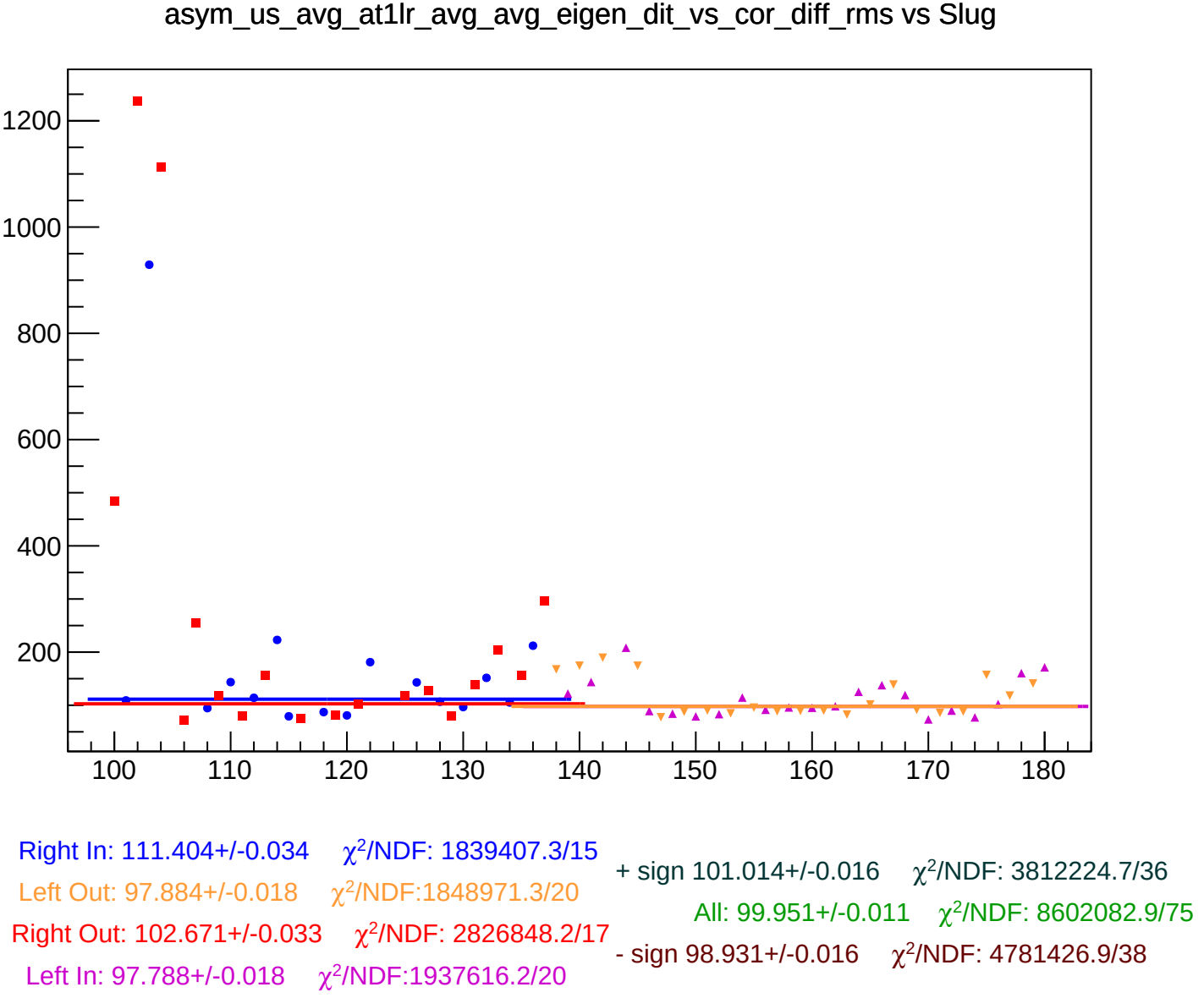
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

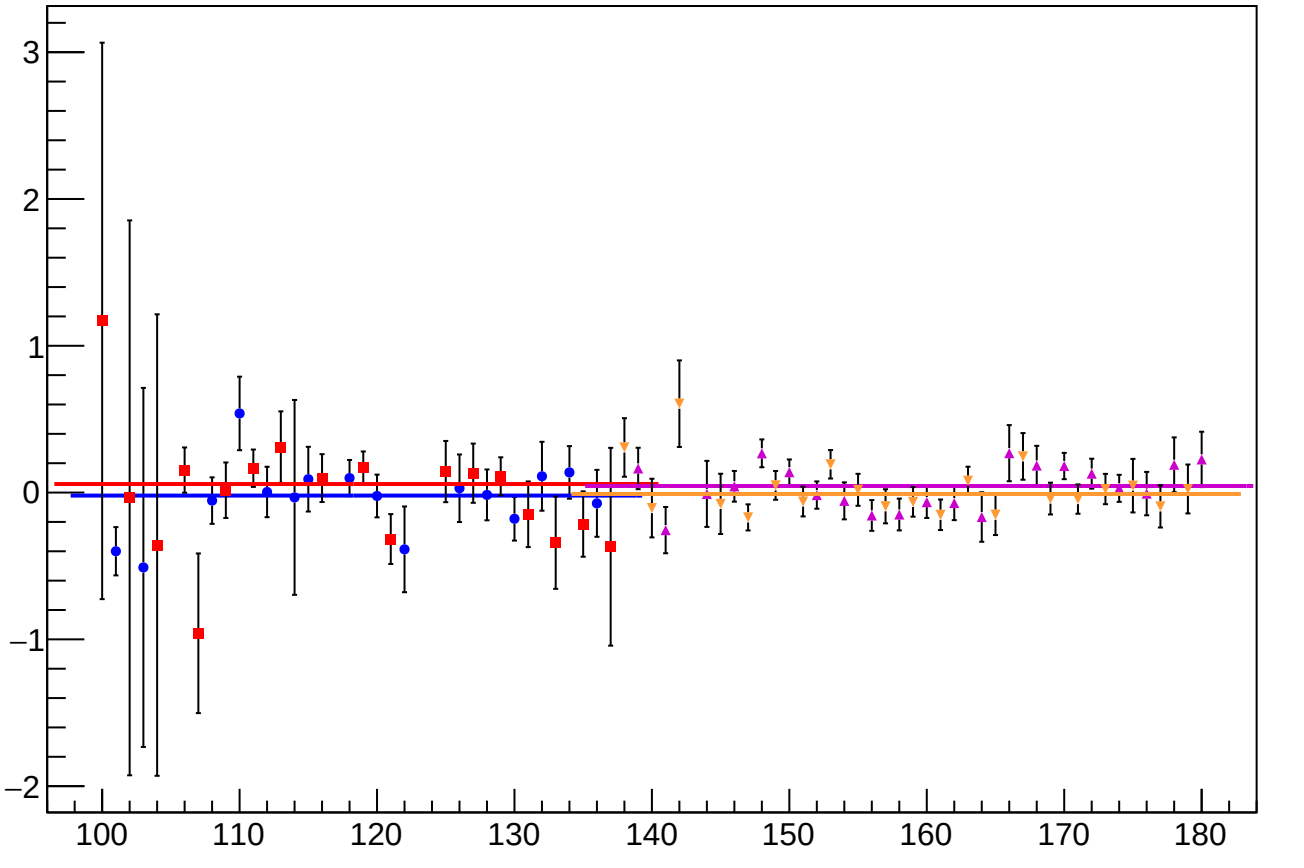
Left In: 0.045+/-0.026 χ^2/NDF:29.8/20

+ sign -0.012+/-0.023 χ^2/NDF: 39.1/36

All: 0.018+/-0.016 χ^2/NDF: 89.3/75

- sign 0.048+/-0.022 χ^2/NDF: 46.7/38


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 97.884+/-0.018 χ²/NDF:1848971.3/20
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 97.788+/-0.018 χ²/NDF:1937616.2/20
+ sign 101.014+/-0.016 χ²/NDF: 3812224.7/36
All: 99.951+/-0.011 χ²/NDF: 8602082.9/75
- sign 98.931+/-0.016 χ²/NDF: 4781426.9/38



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.010+/-0.026 χ^2/NDF:23.4/20

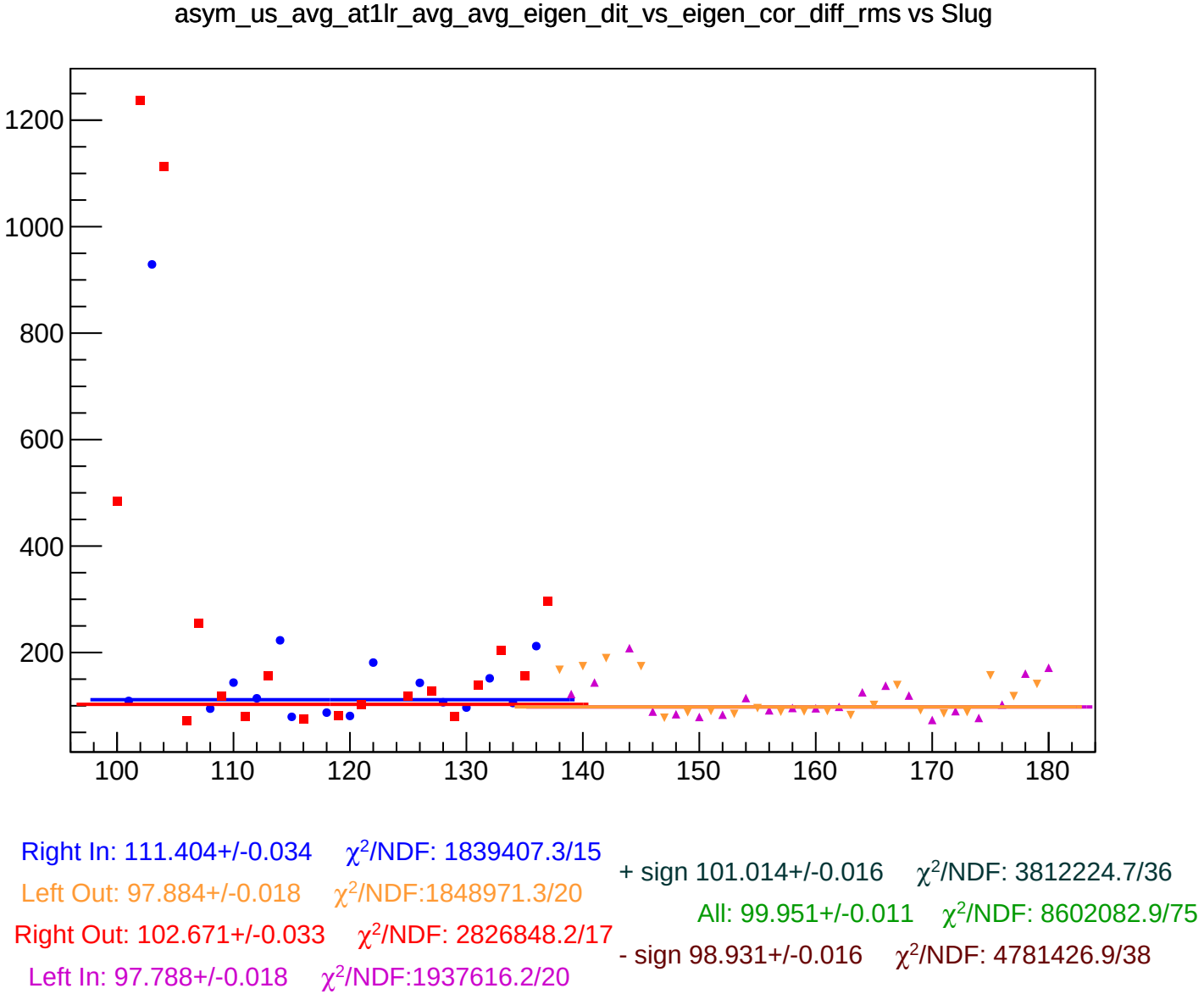
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

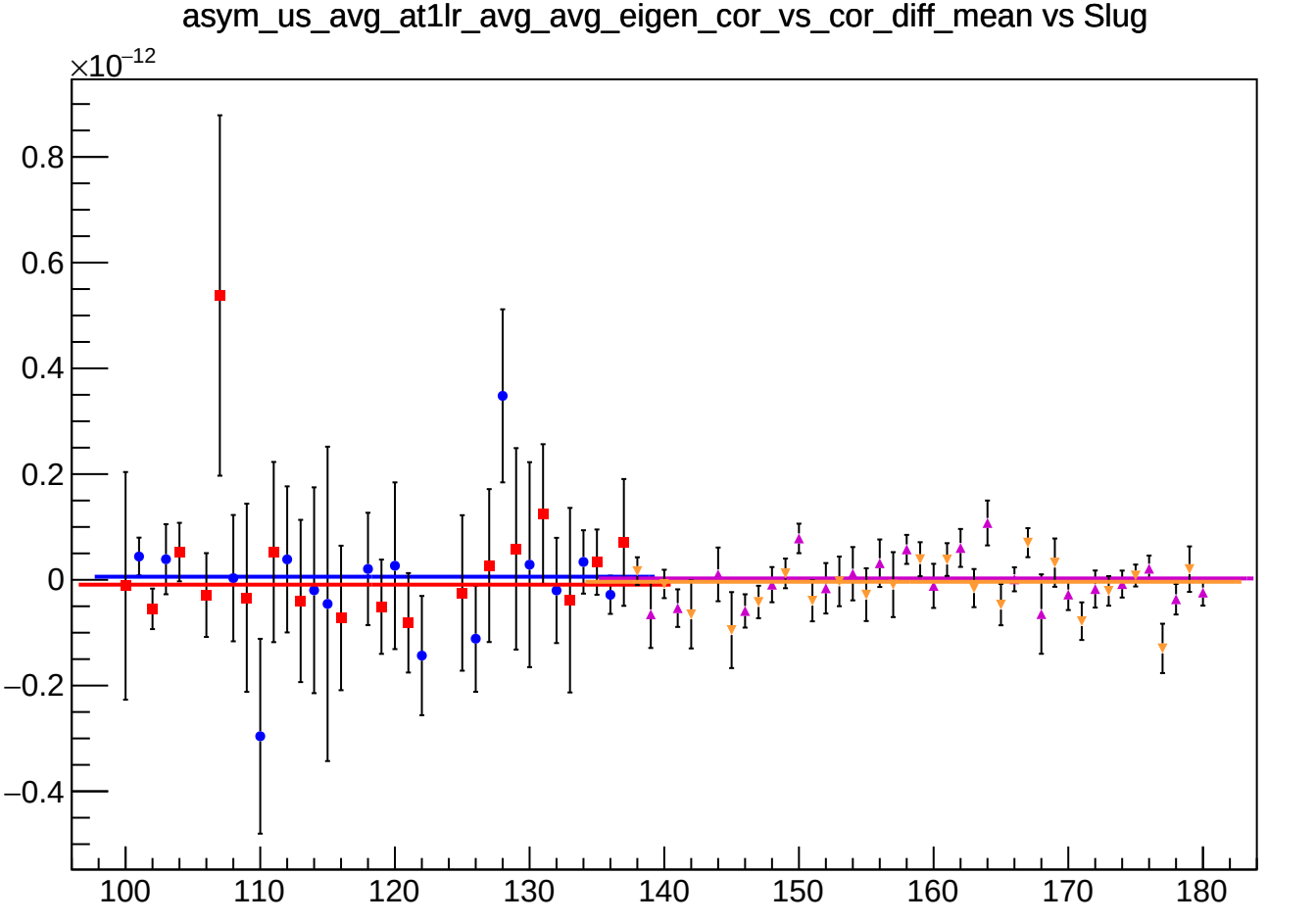
Left In: 0.045+/-0.026 χ^2/NDF:29.8/20

+ sign -0.012+/-0.023 χ^2/NDF: 39.1/36

All: 0.018+/-0.016 χ^2/NDF: 89.3/75

- 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: 97.884+/-0.018 χ²/NDF:1848971.3/20
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 97.788+/-0.018 χ²/NDF:1937616.2/20
+ sign 101.014+/-0.016 χ²/NDF: 3812224.7/36
All: 99.951+/-0.011 χ²/NDF: 8602082.9/75
- sign 98.931+/-0.016 χ²/NDF: 4781426.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/20

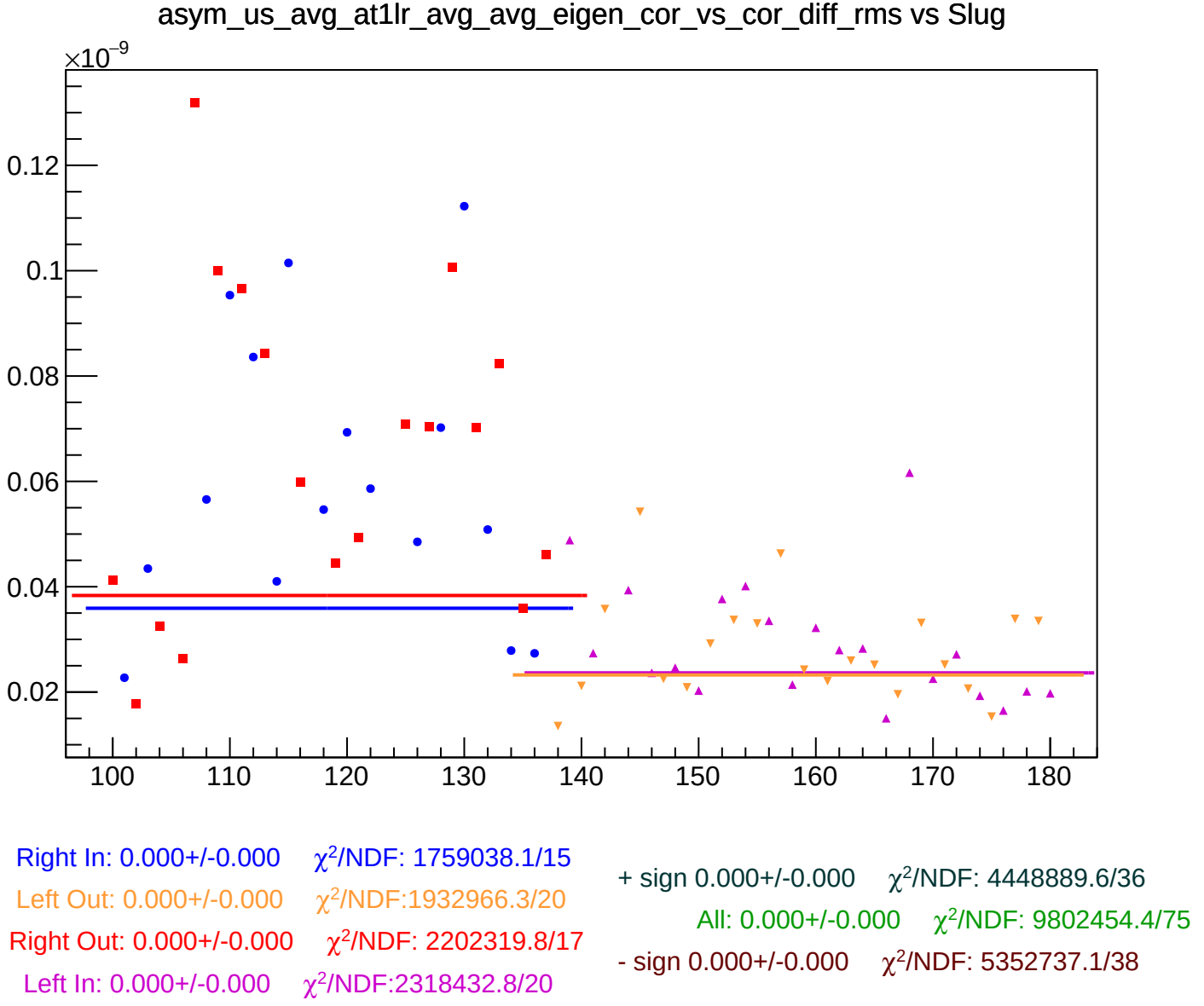
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:34.3/20

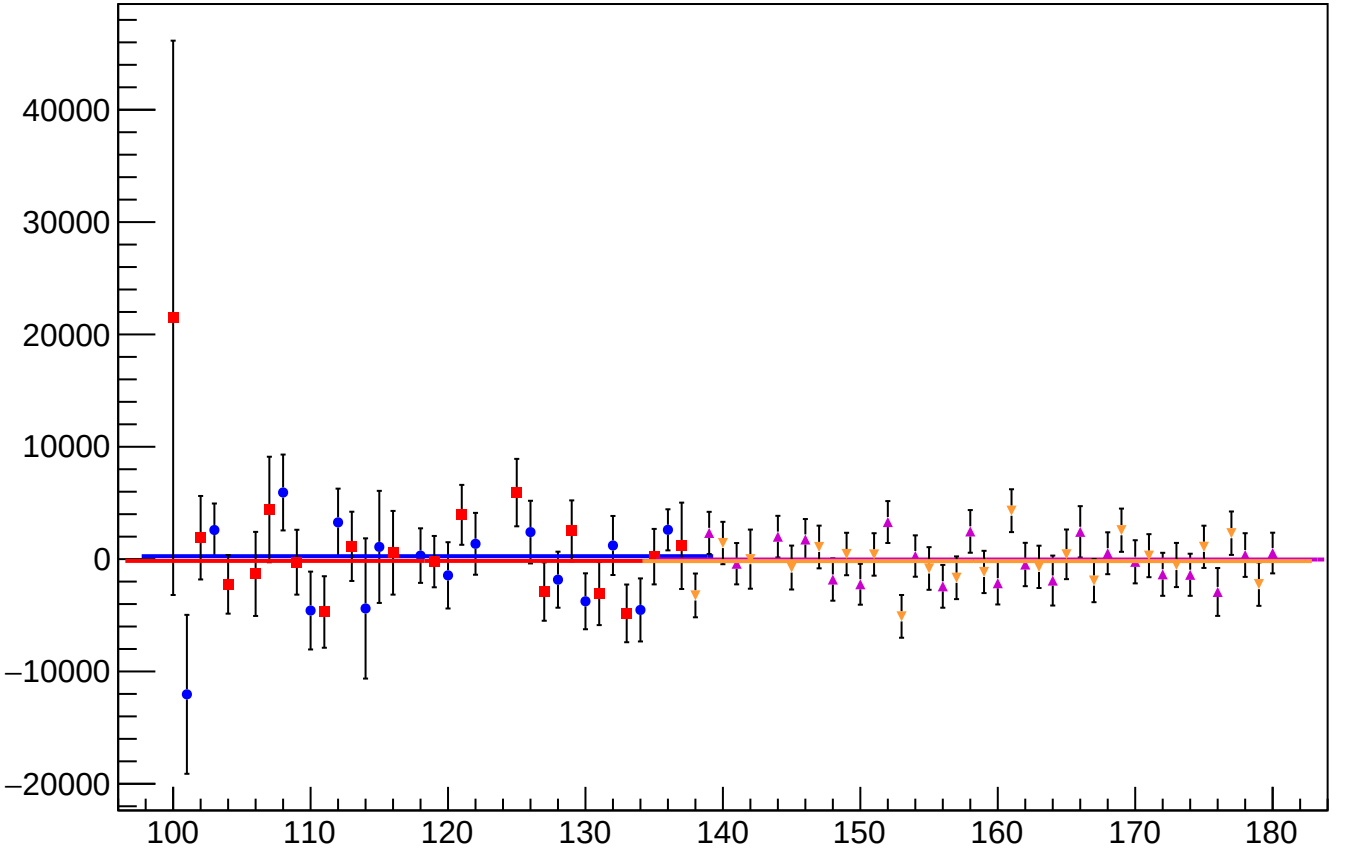
+ sign -0.000+/-0.000 χ^2/NDF: 44.7/36

All: -0.000+/-0.000 χ^2/NDF: 88.1/75

- sign 0.000+/-0.000 χ^2/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:1932966.3/20
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: 4448889.6/36
All: 0.000+/-0.000 χ²/NDF: 9802454.4/75
- 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: -177.309+/-424.409 χ^2/NDF:23.5/20

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

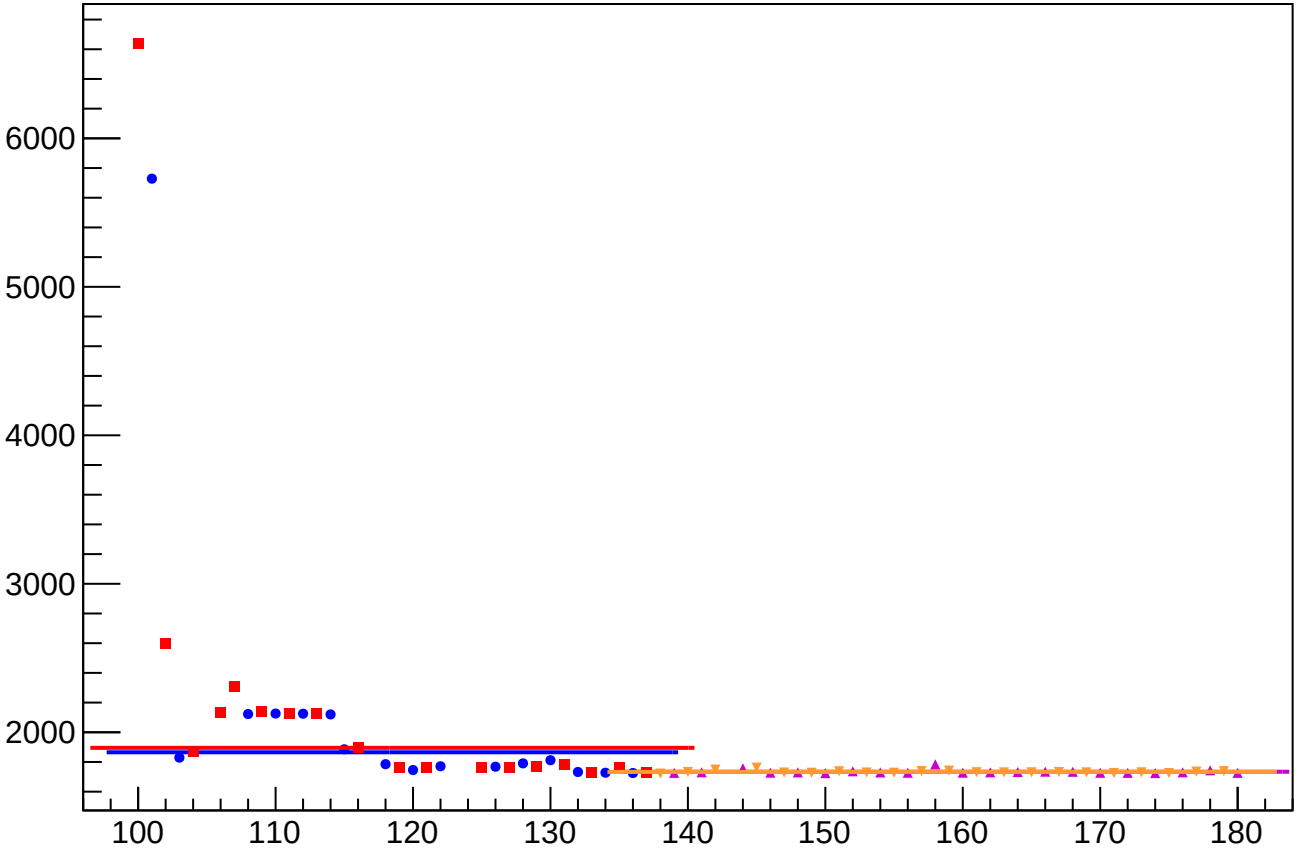
Left In: -34.494+/-417.479 χ^2/NDF:18.9/20

+ sign -62.246+/-364.247 χ^2/NDF: 43.2/36

All: -64.352+/-256.110 χ^2/NDF: 80.2/75

- 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: 1733.054+/-0.300 χ^2/NDF:790.6/20

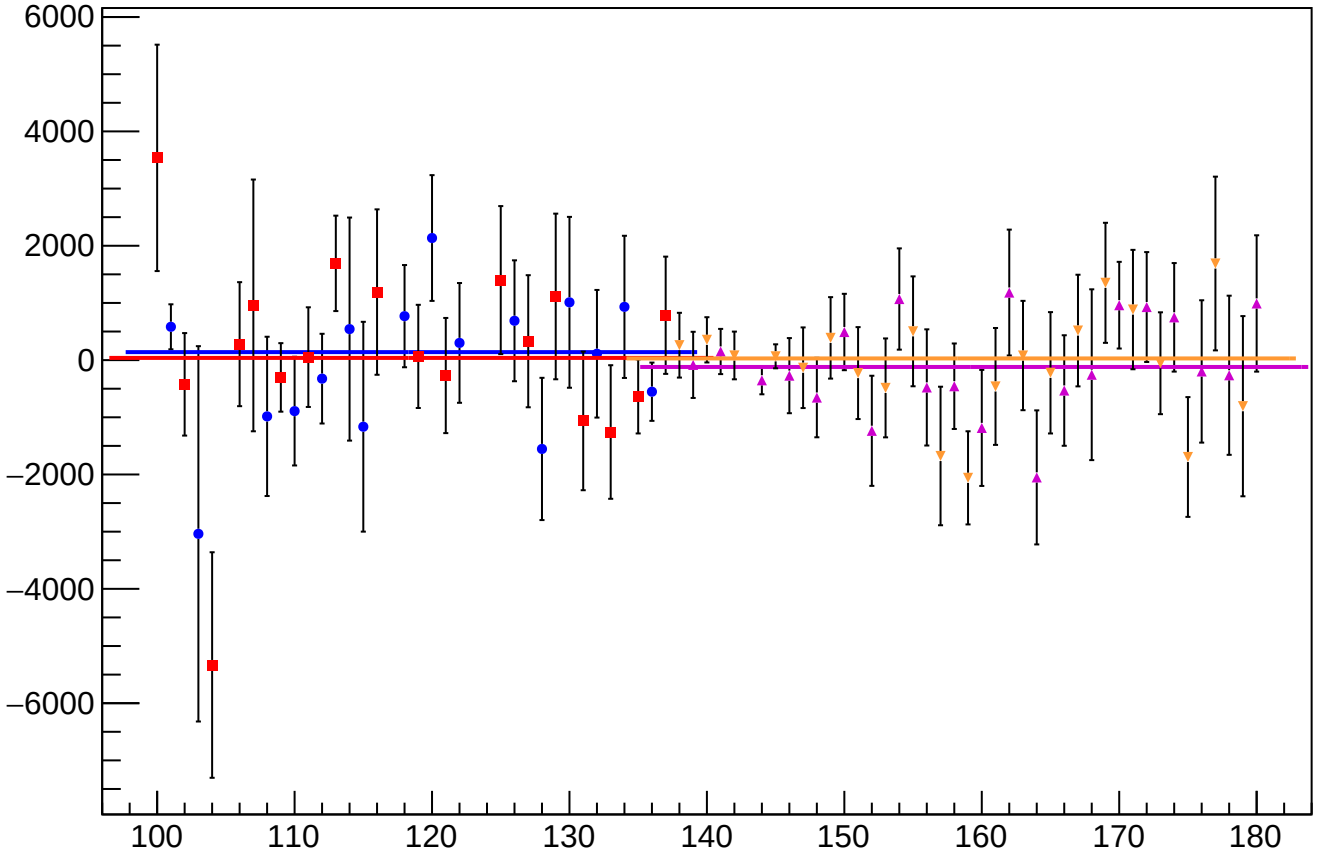
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.155+/-0.295 χ^2/NDF:2096.2/20

+ sign 1767.856+/-0.258 χ^2/NDF: 724567.4/36

All: 1771.641+/-0.181 χ^2/NDF: 1054037.6/75

- 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: 29.547+/-132.567 χ^2/NDF:17.4/20

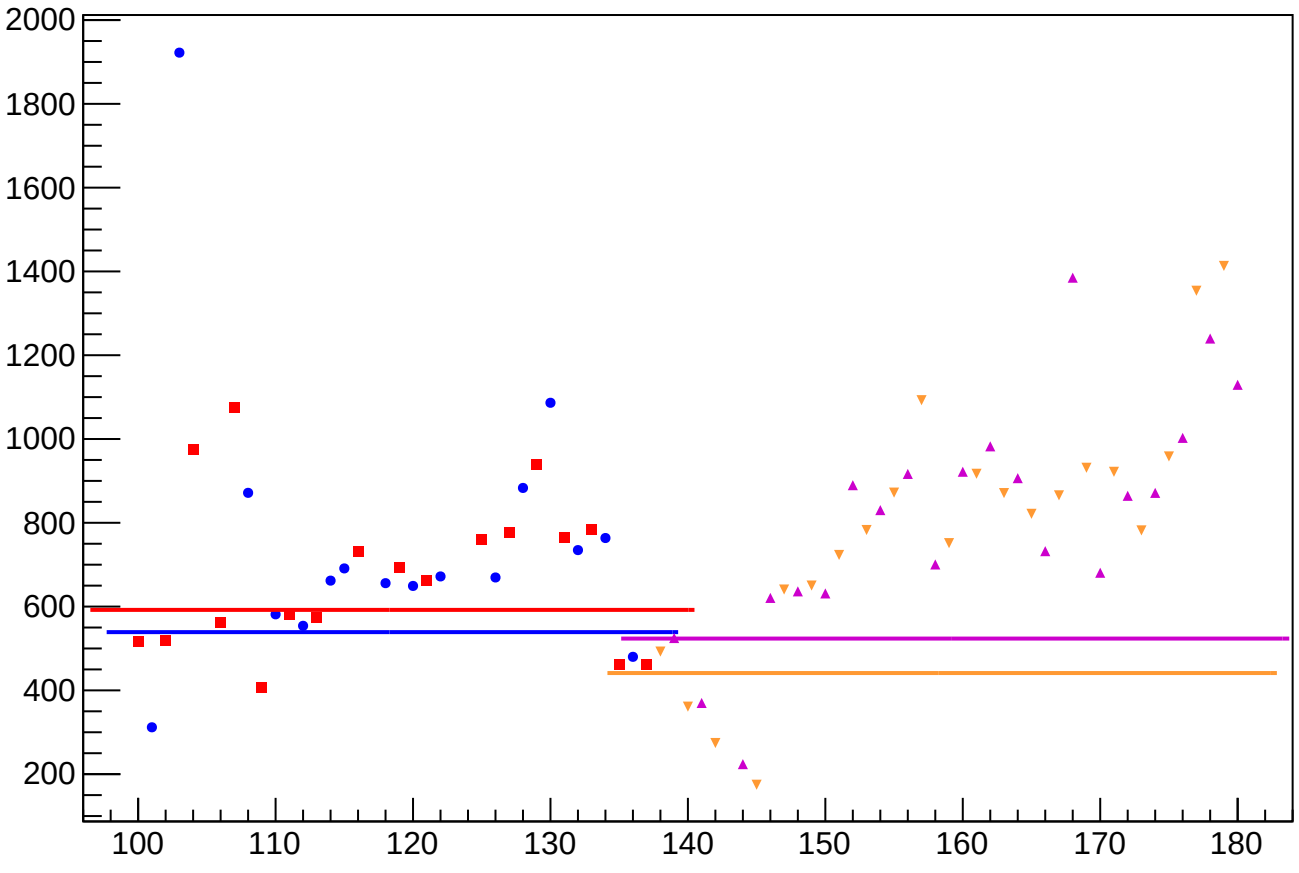
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -119.759+/-144.904 χ^2/NDF:16.7/20

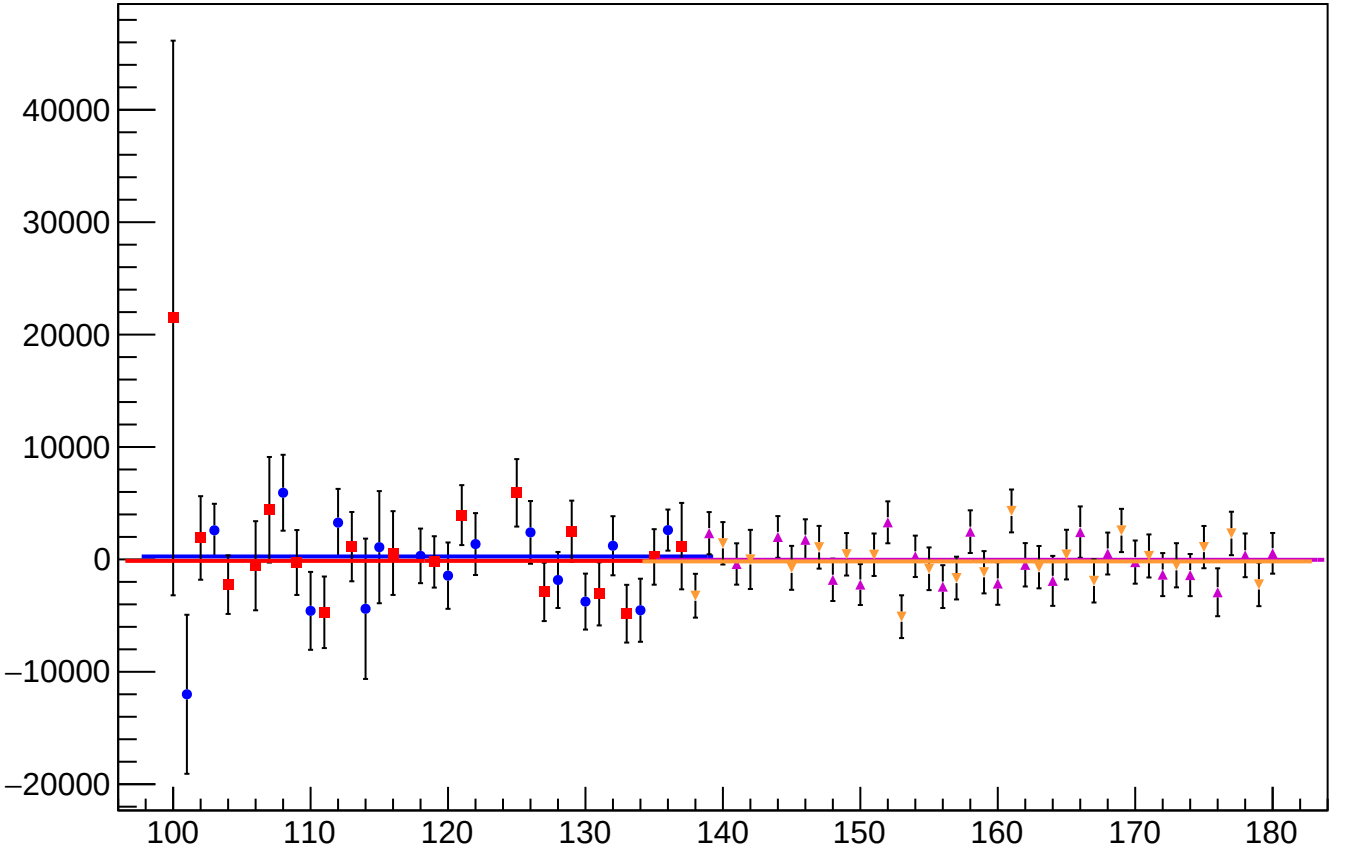
+ sign 58.896+/-113.560 χ^2/NDF: 31.1/36

All: -3.193+/-83.687 χ^2/NDF: 70.1/75

- sign -76.991+/-123.804 χ^2/NDF: 38.4/38


asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 539.016+/-0.156 χ²/NDF: 1854576.5/15
Left Out: 441.361+/-0.094 χ²/NDF:10396318.1/20
Right Out: 592.101+/-0.168 χ²/NDF: 843066.1/17
Left In: 523.641+/-0.102 χ²/NDF:7959697.0/20
+ sign 467.357+/-0.080 χ²/NDF: 12539798.7/36
All: 501.521+/-0.059 χ²/NDF: 21859261.5/75
- sign 542.126+/-0.088 χ²/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: -177.254+/-424.409 χ^2/NDF:23.5/20

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

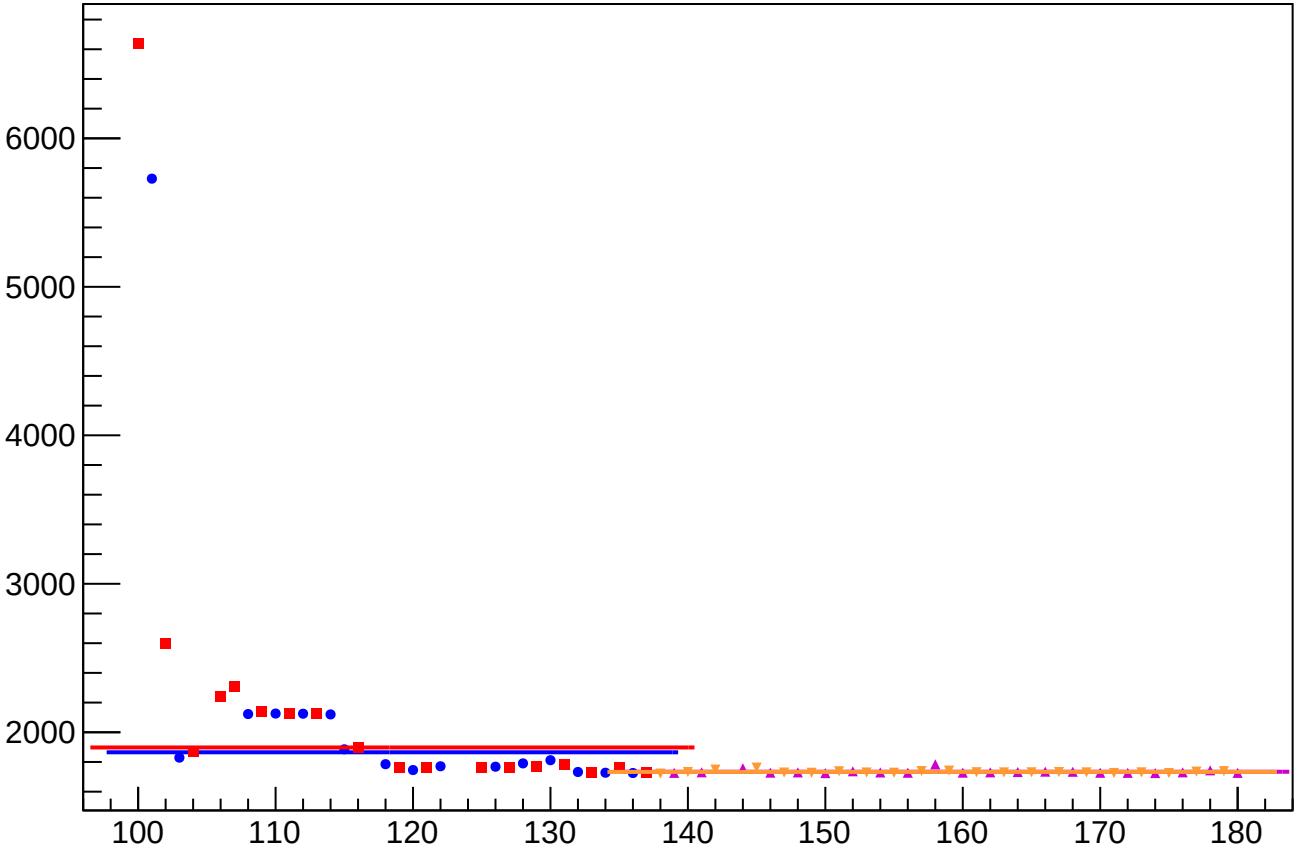
Left In: -34.409+/-417.479 χ^2/NDF:18.9/20

+ sign -62.156+/-364.247 χ^2/NDF: 43.2/36

All: -60.455+/-256.176 χ^2/NDF: 80.1/75

- 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: 1733.055+/-0.300 χ^2/NDF:790.6/20

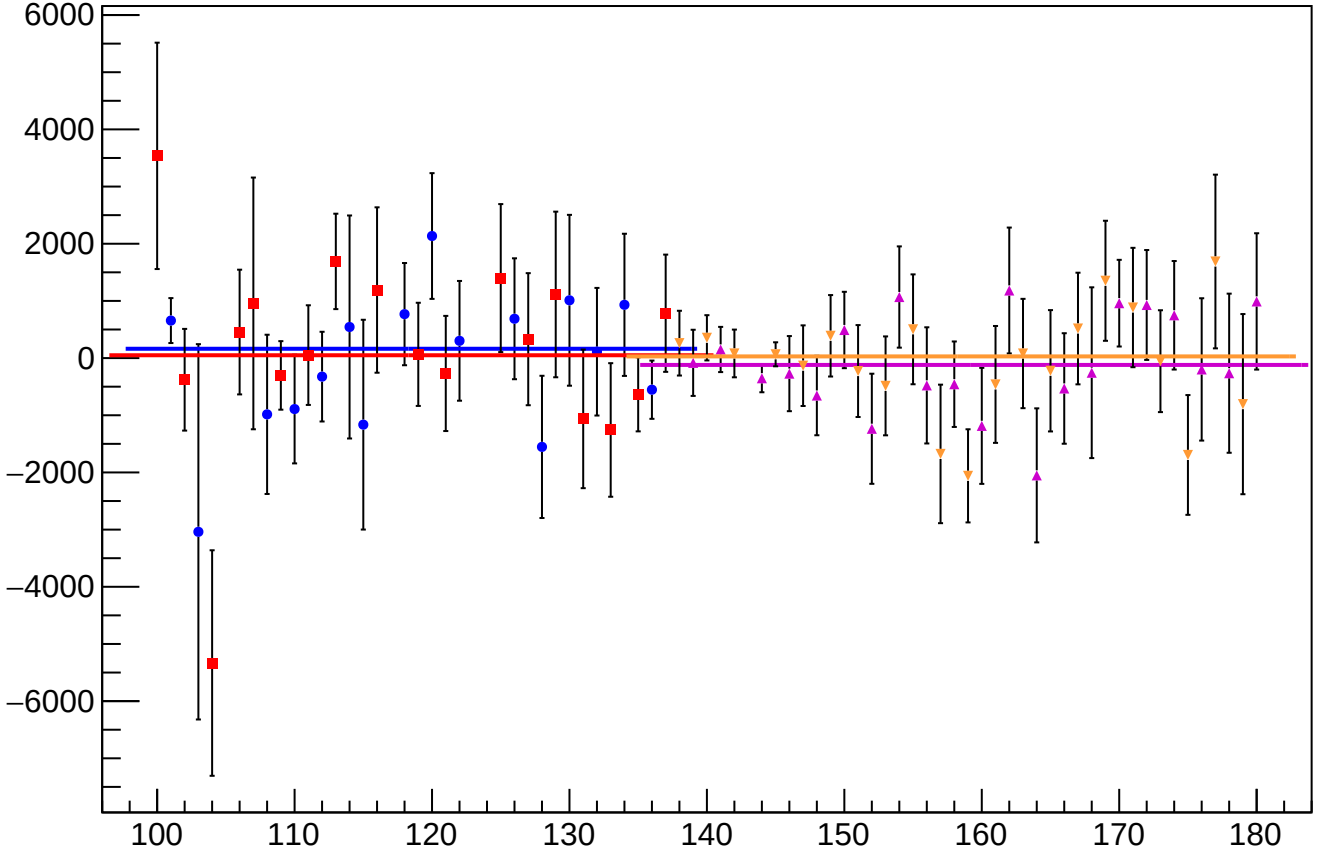
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.155+/-0.295 χ^2/NDF:2096.2/20

+ sign 1767.856+/-0.258 χ^2/NDF: 724567.2/36

All: 1771.894+/-0.181 χ^2/NDF: 1063128.4/75

- 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: 29.431+/-132.569 χ^2/NDF:17.4/20

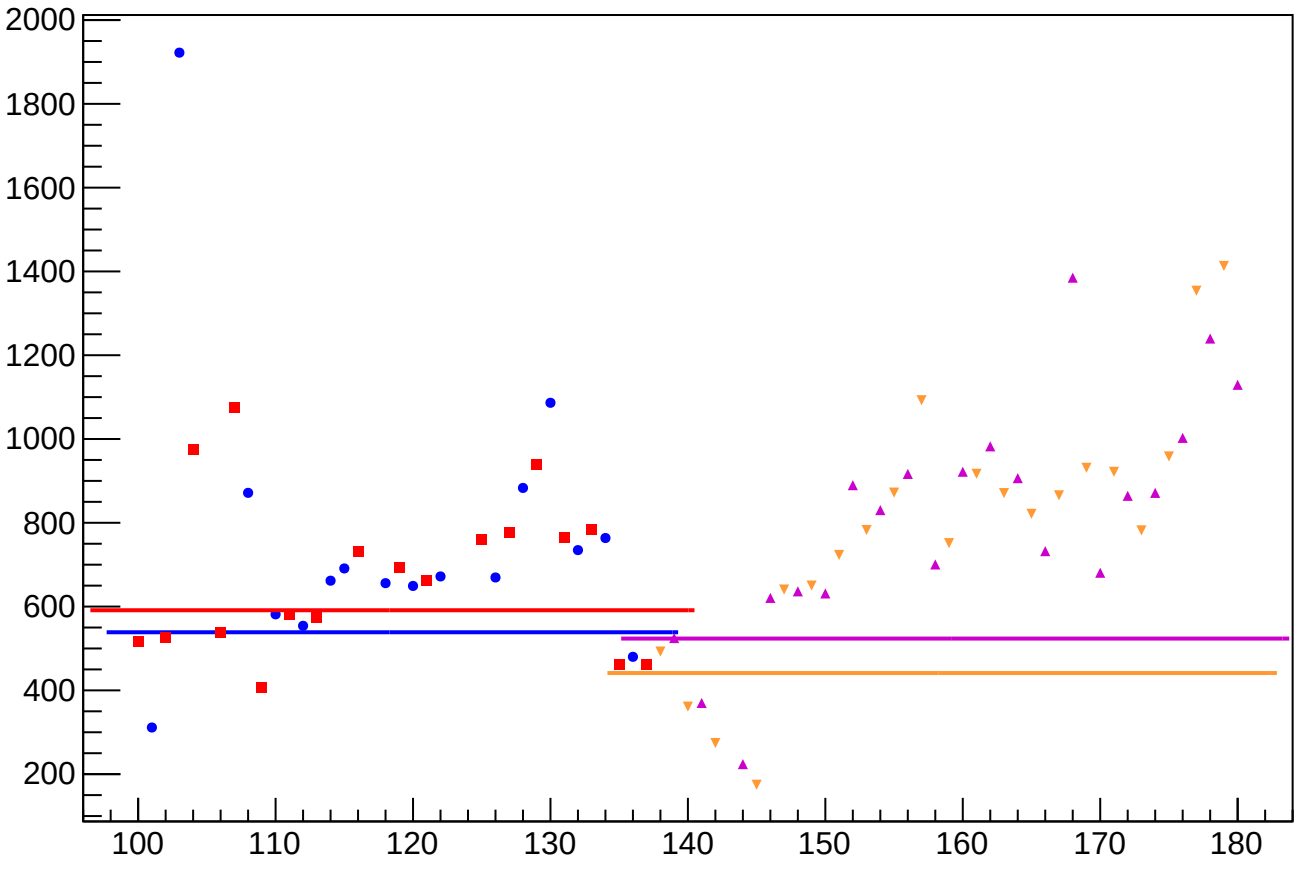
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -119.731+/-144.904 χ^2/NDF:16.7/20

+ sign 65.046+/-113.550 χ^2/NDF: 31.6/36

All: 1.520+/-83.681 χ^2/NDF: 70.8/75

- 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: 441.371+/-0.094 χ^2/NDF:10395925.1/20

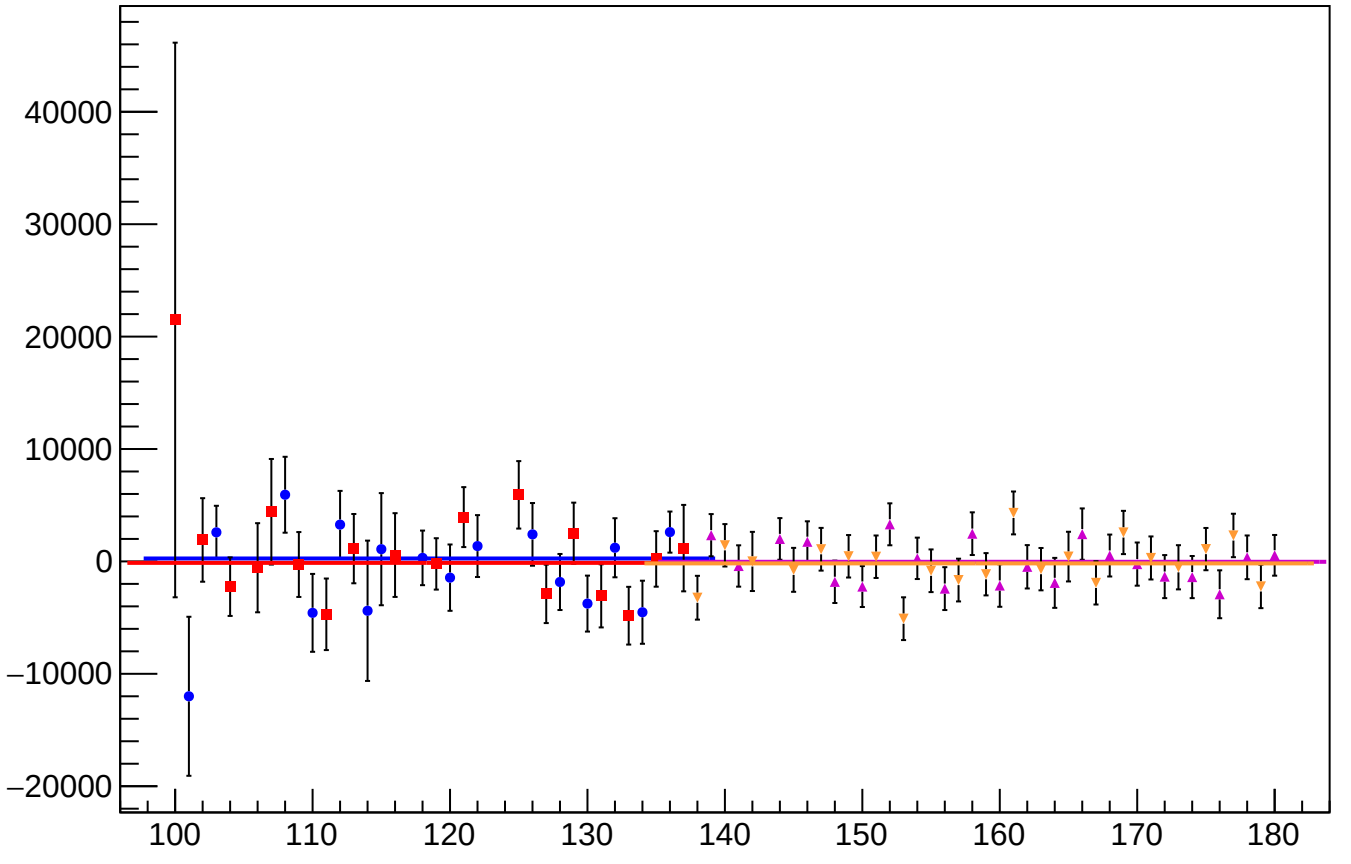
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 523.648+/-0.102 χ^2/NDF:7959186.0/20

+ sign 467.295+/-0.080 χ^2/NDF: 12541958.1/36

All: 501.385+/-0.059 χ^2/NDF: 21857768.0/75

- 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: -177.254+/-424.409 χ^2/NDF:23.5/20

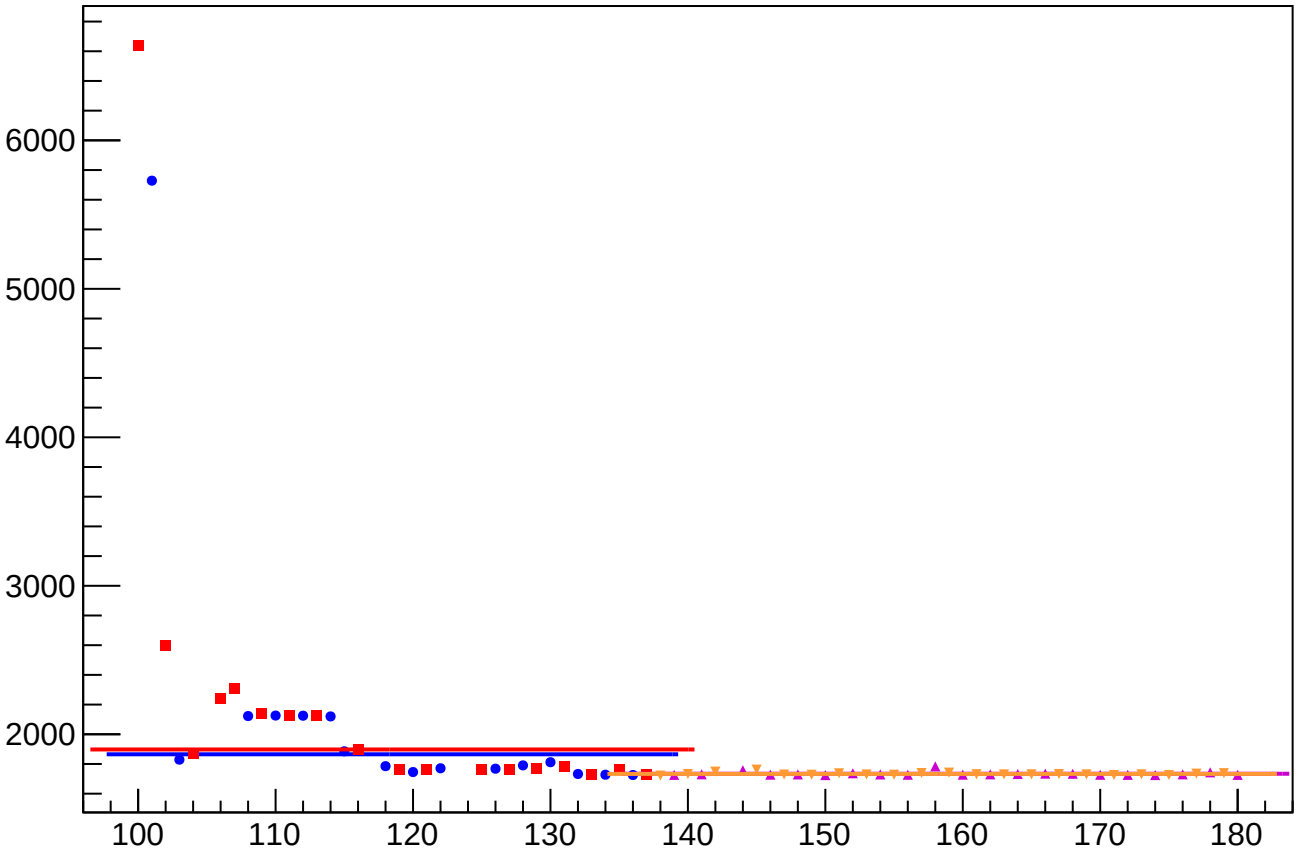
Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -34.409+/-417.479 χ^2/NDF:18.9/20

+ sign -62.156+/-364.247 χ^2/NDF: 43.2/36

All: -60.455+/-256.176 χ^2/NDF: 80.1/75

- sign -58.790+/-360.359 χ^2/NDF: 36.9/38



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.055+/-0.300 χ^2/NDF:790.6/20

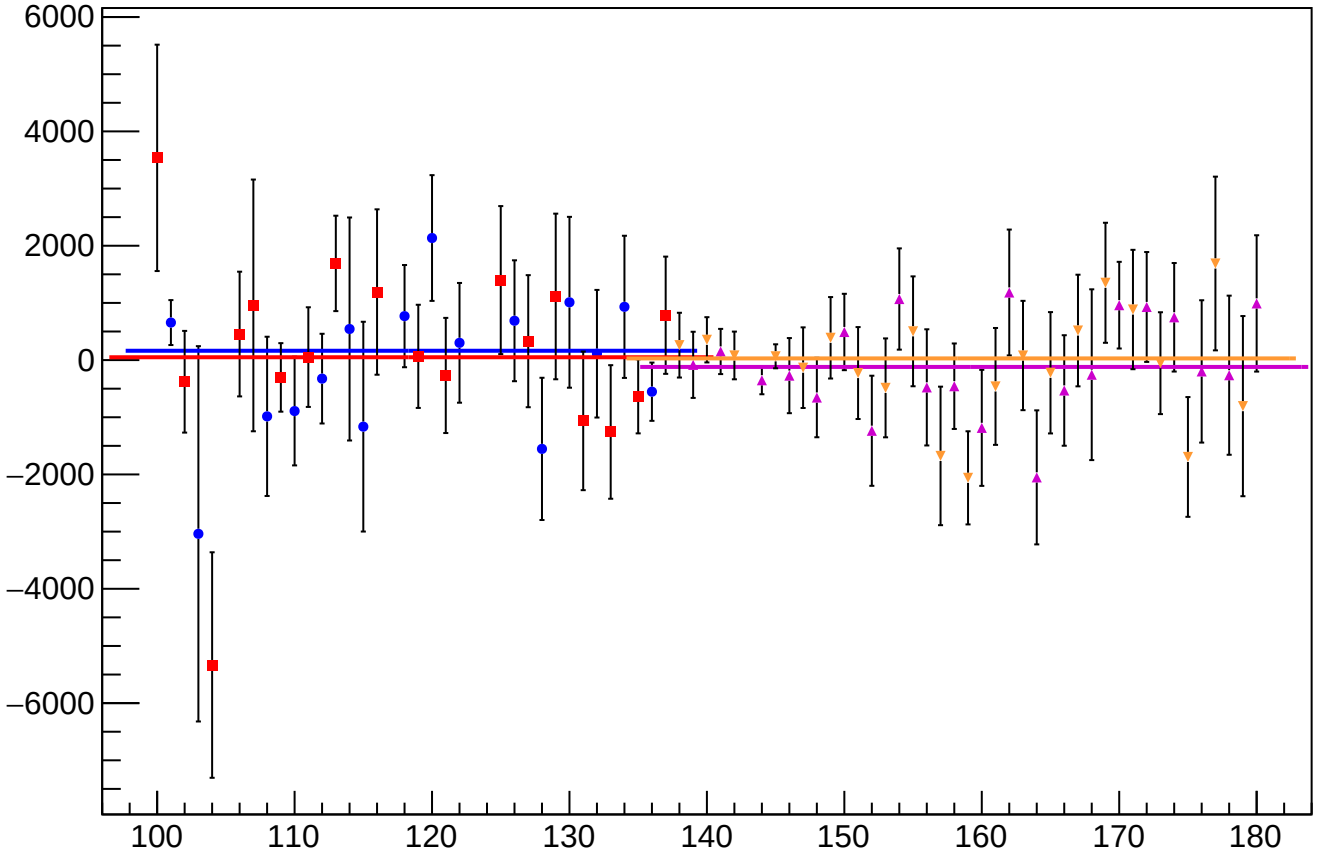
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.155+/-0.295 χ^2/NDF:2096.2/20

+ sign 1767.856+/-0.258 χ^2/NDF: 724567.2/36

All: 1771.894+/-0.181 χ^2/NDF: 1063128.4/75

- 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: 29.431+/-132.569 χ^2/NDF:17.4/20

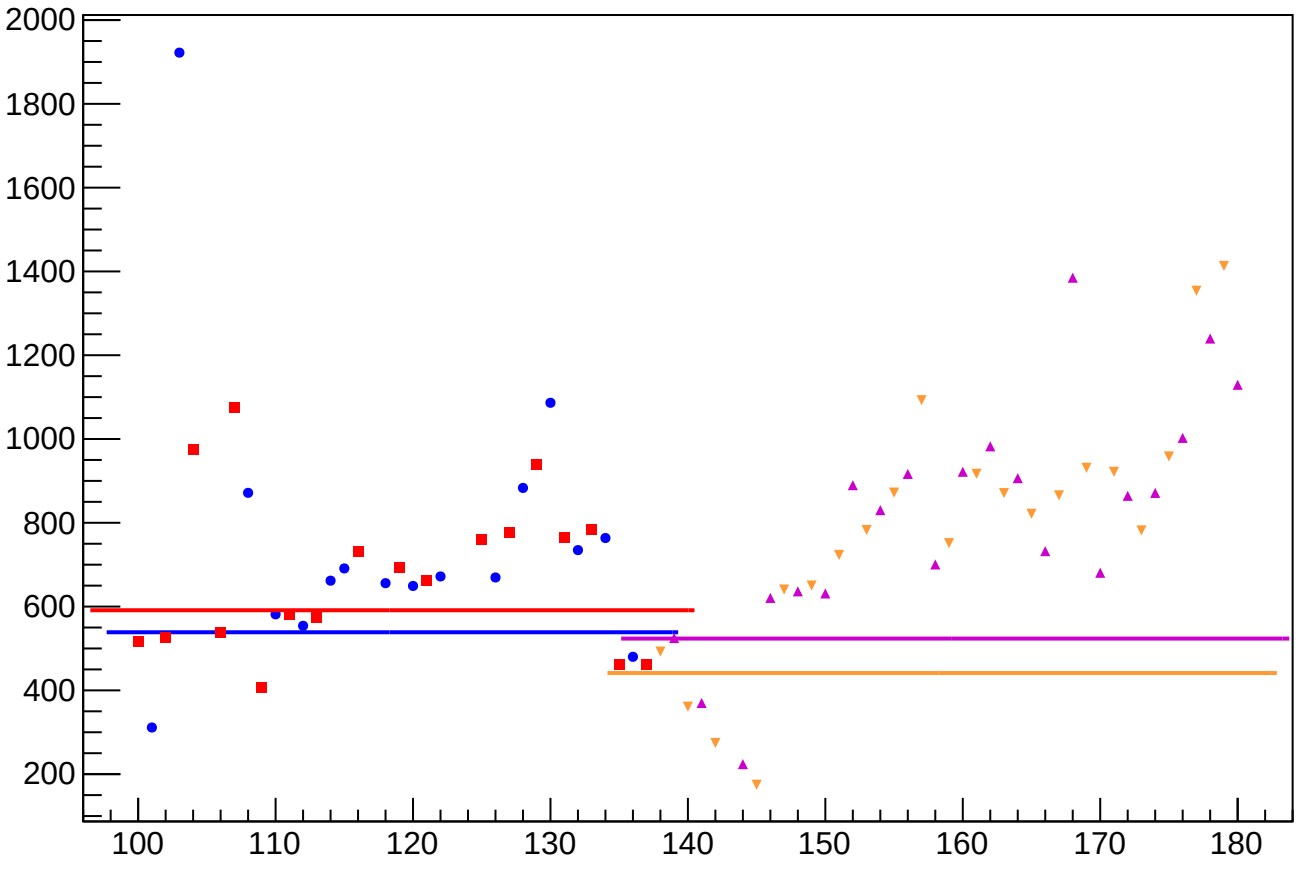
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -119.731+/-144.904 χ^2/NDF:16.7/20

+ sign 65.046+/-113.550 χ^2/NDF: 31.6/36

All: 1.520+/-83.681 χ^2/NDF: 70.8/75

- 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: 441.371+/-0.094 χ^2/NDF:10395925.1/20

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

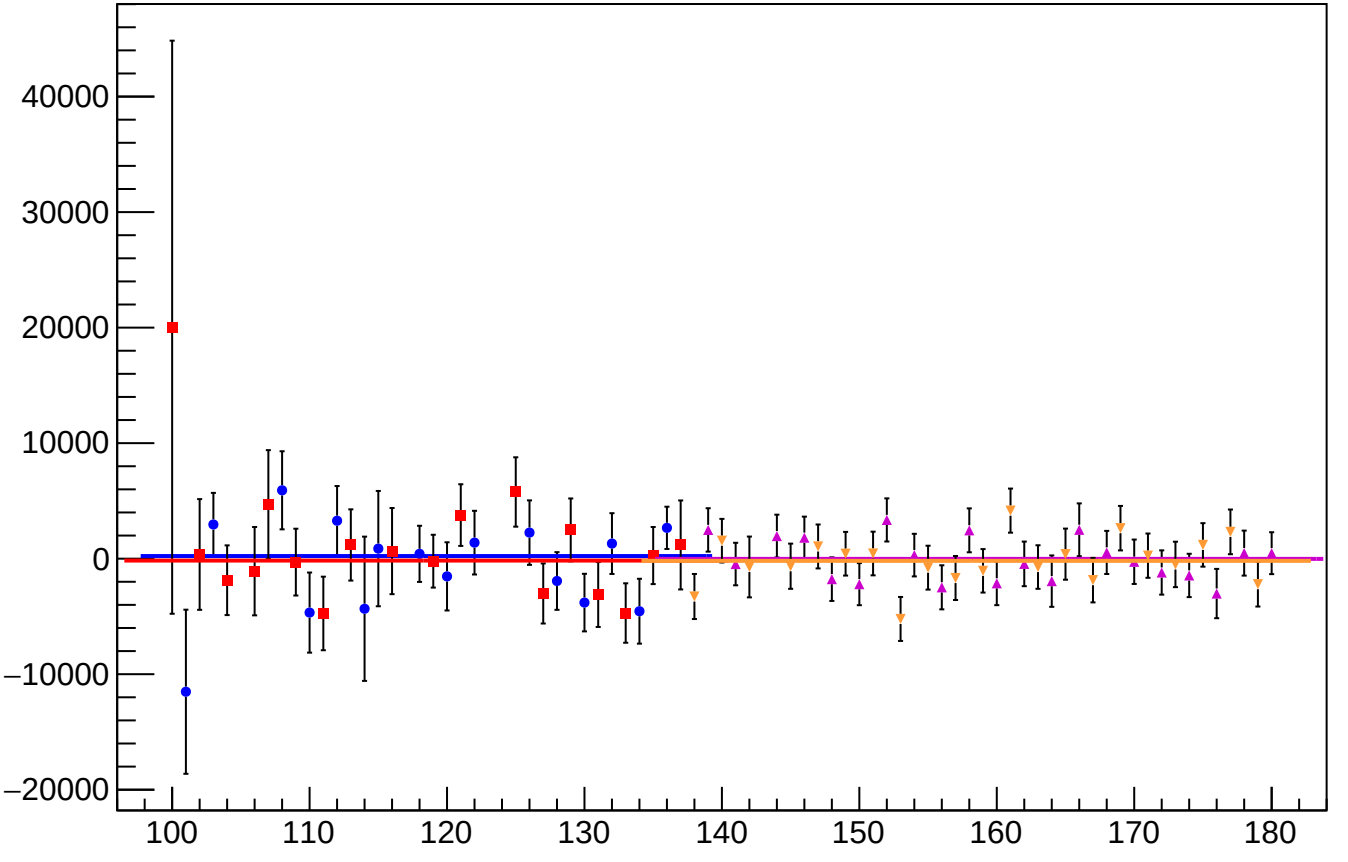
Left In: 523.648+/-0.102 χ^2/NDF:7959186.0/20

+ sign 467.295+/-0.080 χ^2/NDF: 12541958.1/36

All: 501.385+/-0.059 χ^2/NDF: 21857768.0/75

- 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: -187.090+/-424.727 χ^2/NDF:23.6/20

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

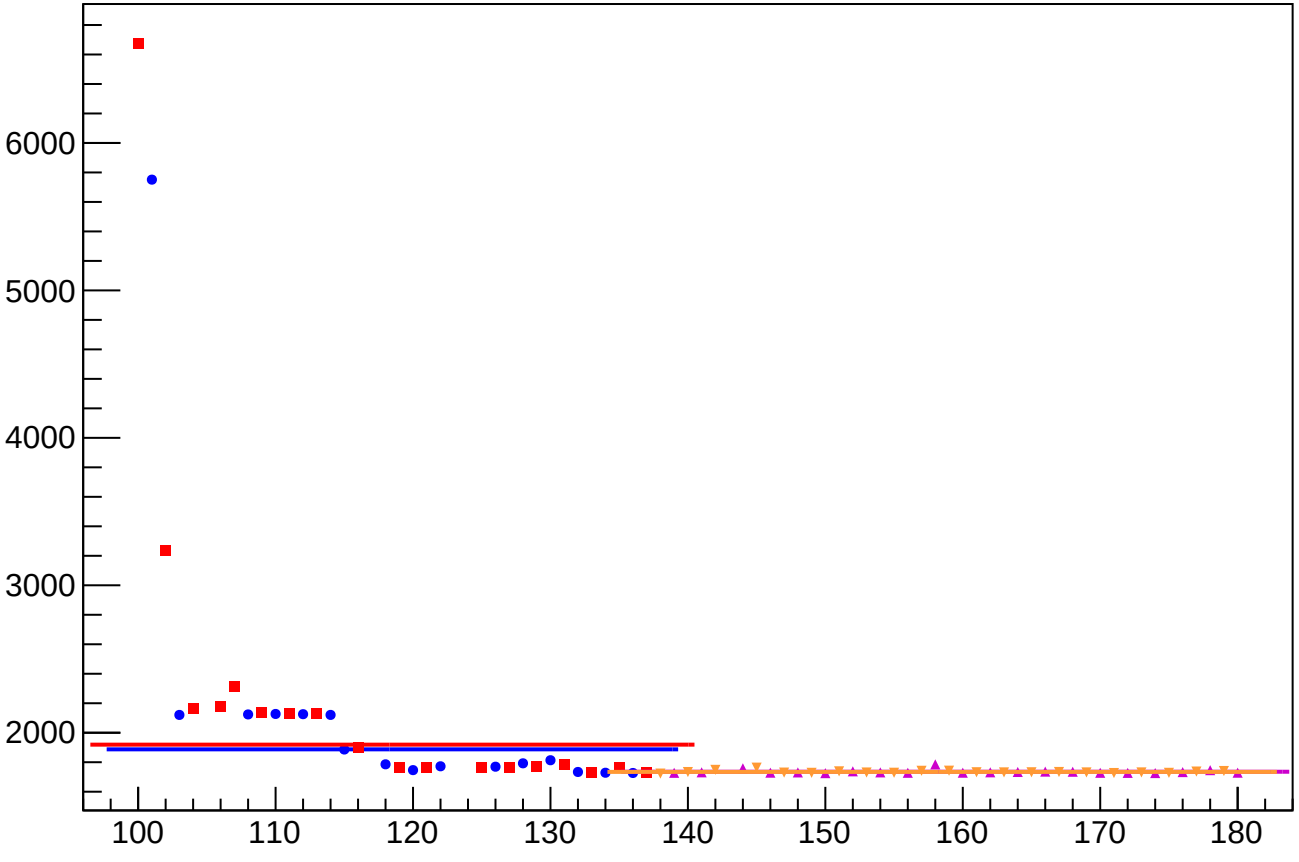
Left In: -18.583+/-417.793 χ^2/NDF:19.4/20

+ sign -80.075+/-365.631 χ^2/NDF: 43.3/36

All: -67.265+/-257.278 χ^2/NDF: 79.7/75

- 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: 1734.351+/-0.300 χ^2/NDF:798.0/20

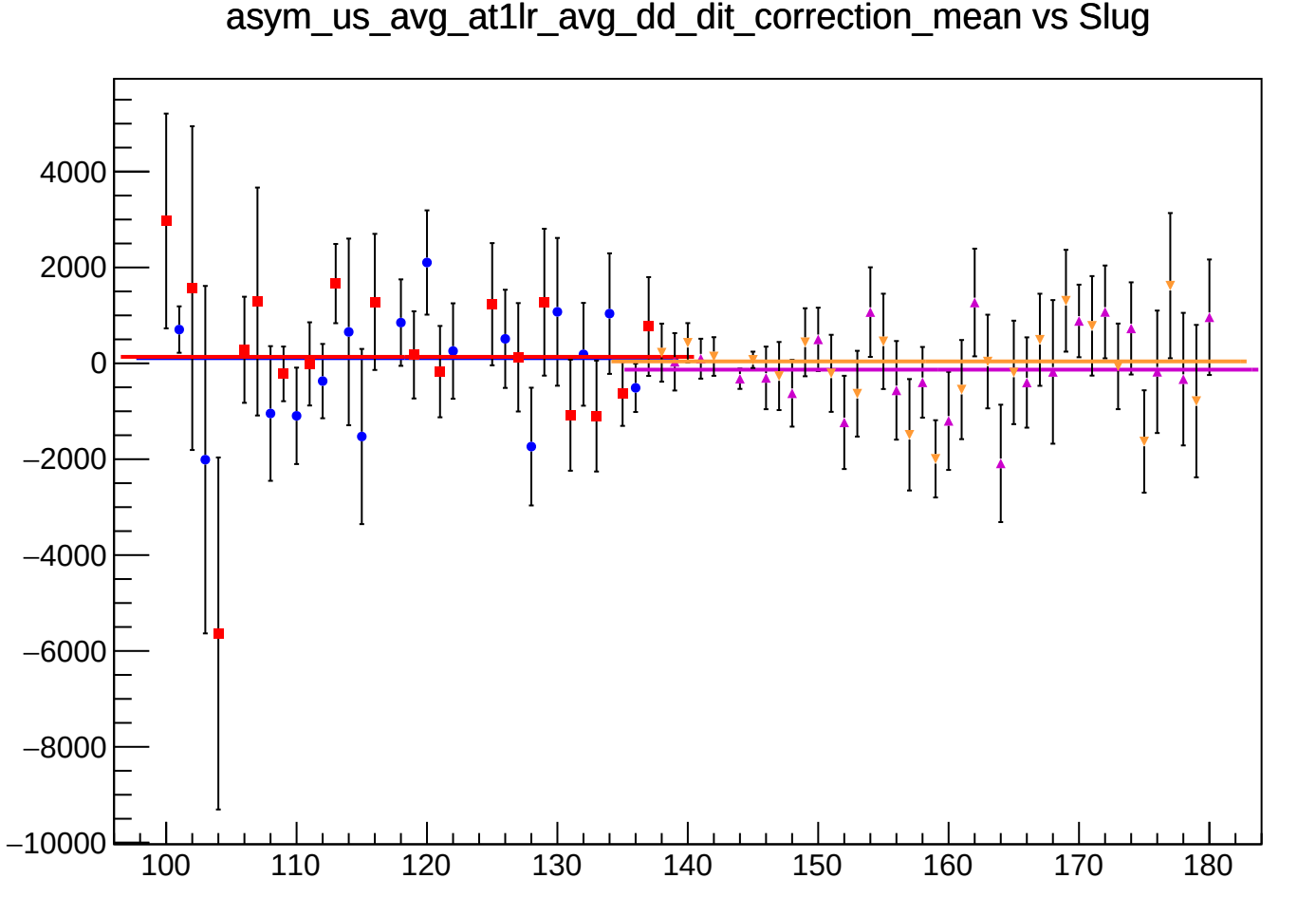
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.457+/-0.295 χ^2/NDF:2095.9/20

+ sign 1773.955+/-0.259 χ^2/NDF: 757403.2/36

All: 1777.602+/-0.182 χ^2/NDF: 1208701.5/75

- 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: 40.415+/-121.201 χ^2/NDF:16.9/20

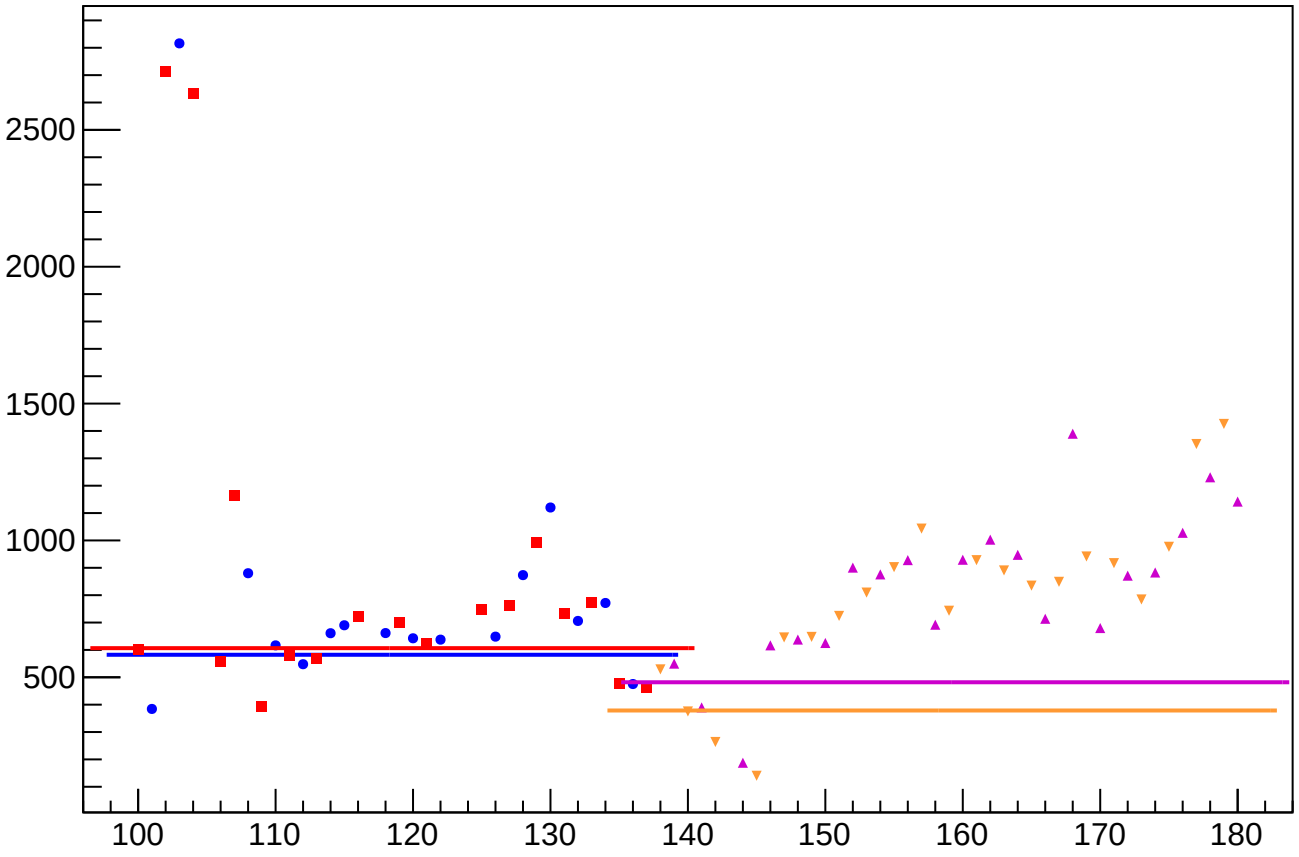
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -131.994+/-138.489 χ^2/NDF:16.2/20

+ sign 54.962+/-107.396 χ^2/NDF: 31.1/36

All: 0.779+/-80.225 χ^2/NDF: 63.1/75

- 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: 378.686+/-0.086 χ^2/NDF:13011937.2/20

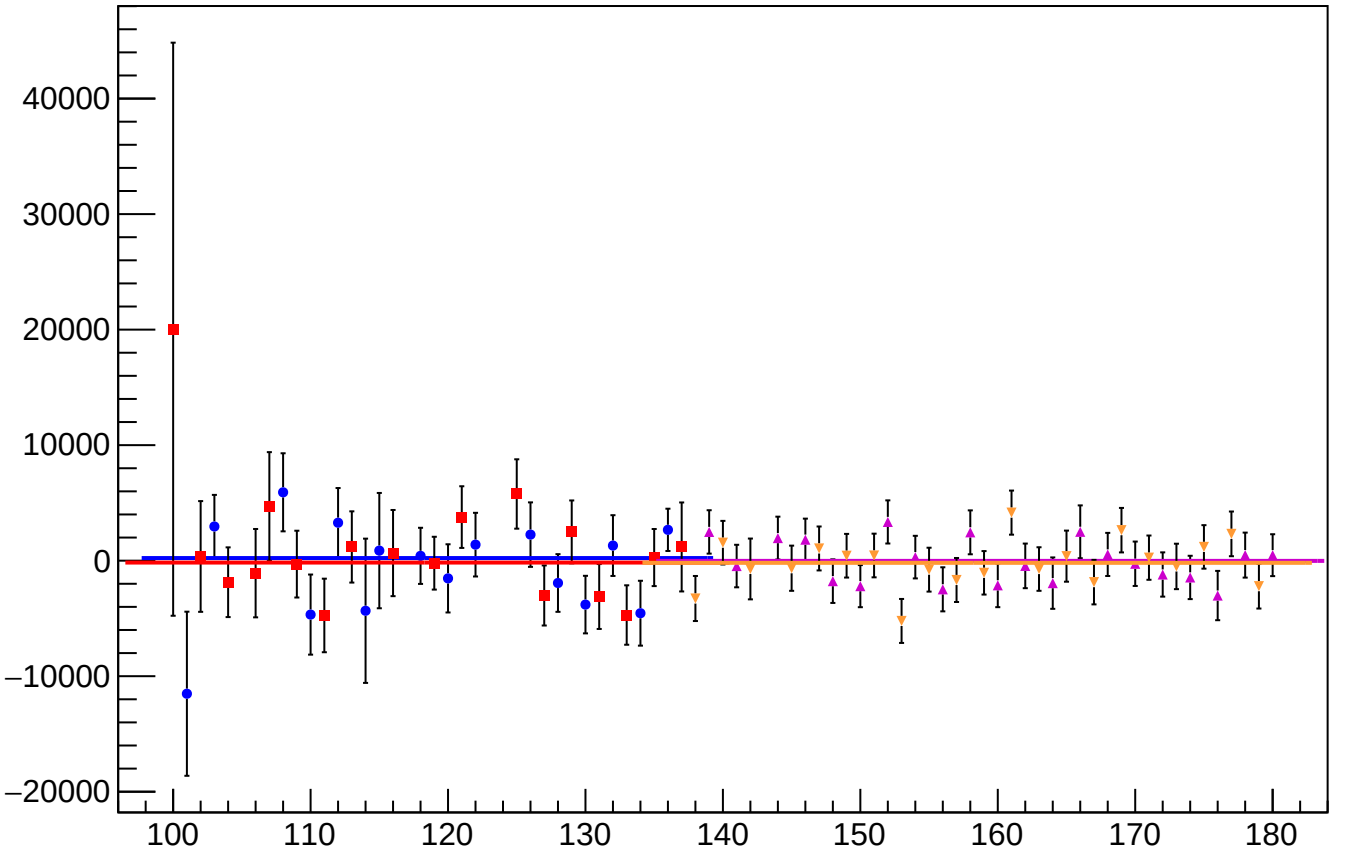
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 481.827+/-0.098 χ^2/NDF:9825647.5/20

+ sign 422.421+/-0.076 χ^2/NDF: 15978490.2/36

All: 461.939+/-0.057 χ^2/NDF: 29005140.9/75

- 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: -187.093+/-424.727 χ^2/NDF:23.6/20

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

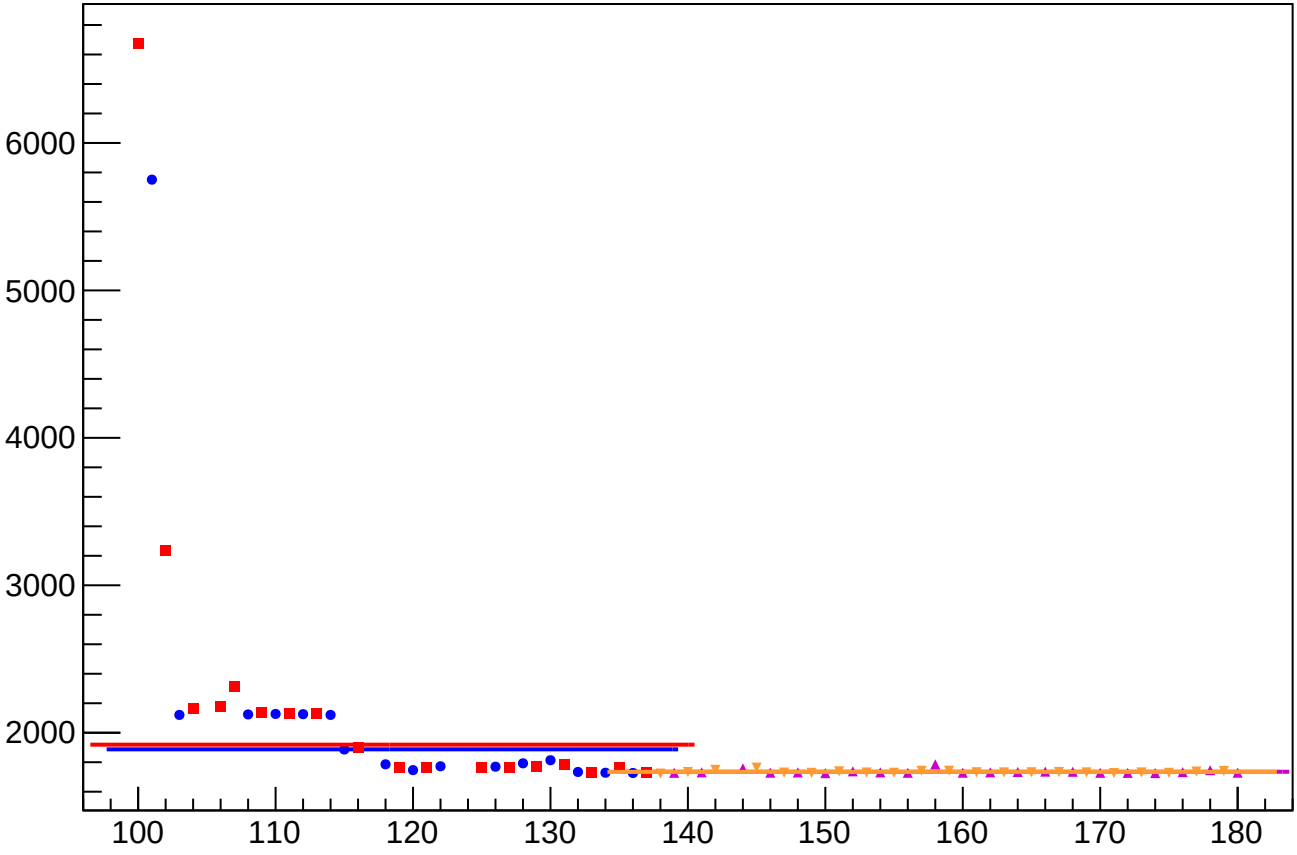
Left In: -18.583+/-417.793 χ^2/NDF:19.4/20

+ sign -80.077+/-365.631 χ^2/NDF: 43.3/36

All: -67.267+/-257.278 χ^2/NDF: 79.7/75

- 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: 1734.351+/-0.300 χ^2/NDF:798.0/20

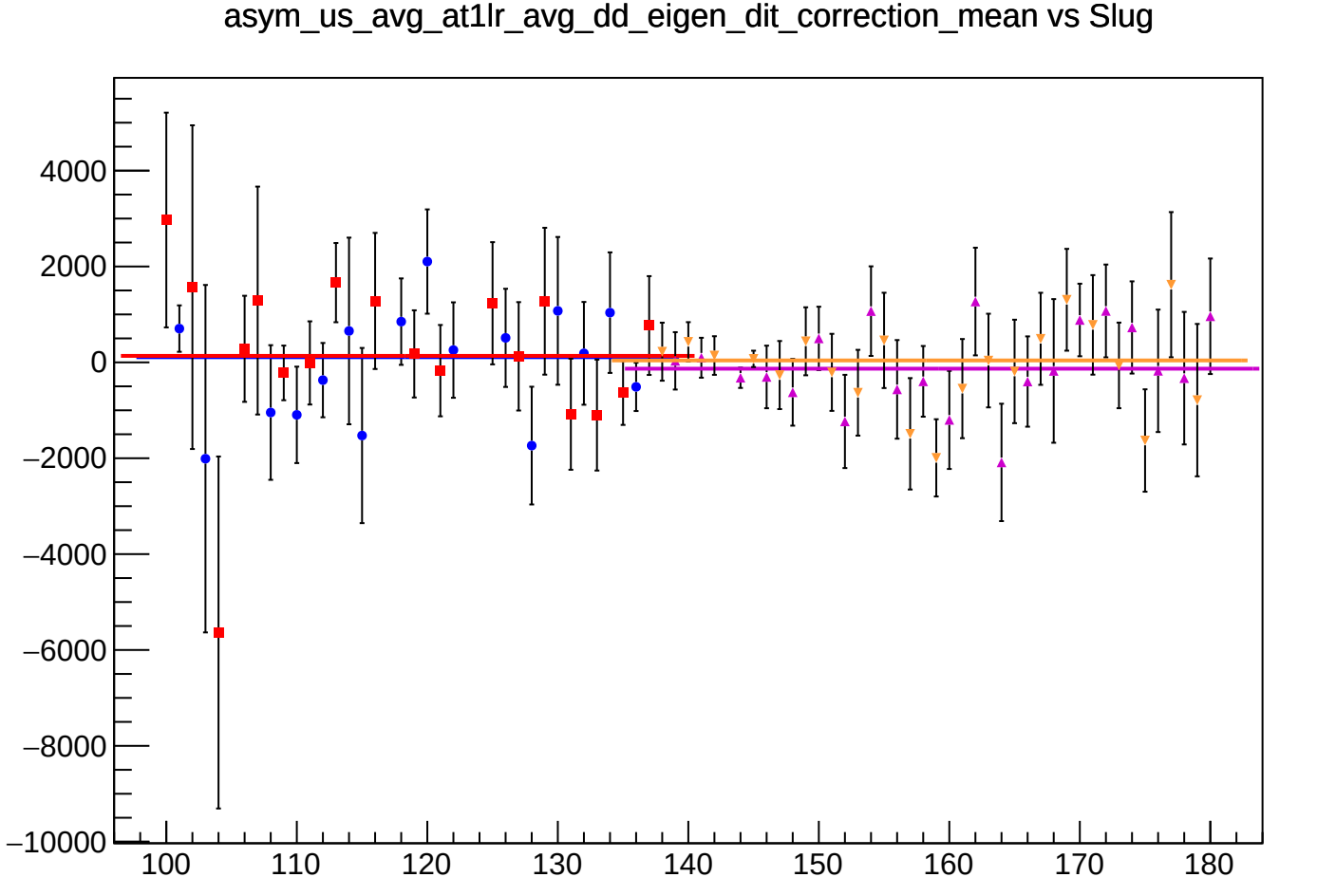
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.457+/-0.295 χ^2/NDF:2095.9/20

+ sign 1773.955+/-0.259 χ^2/NDF: 757402.9/36

All: 1777.602+/-0.182 χ^2/NDF: 1208700.2/75

- 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: 40.414+/-121.201 χ^2/NDF:16.9/20

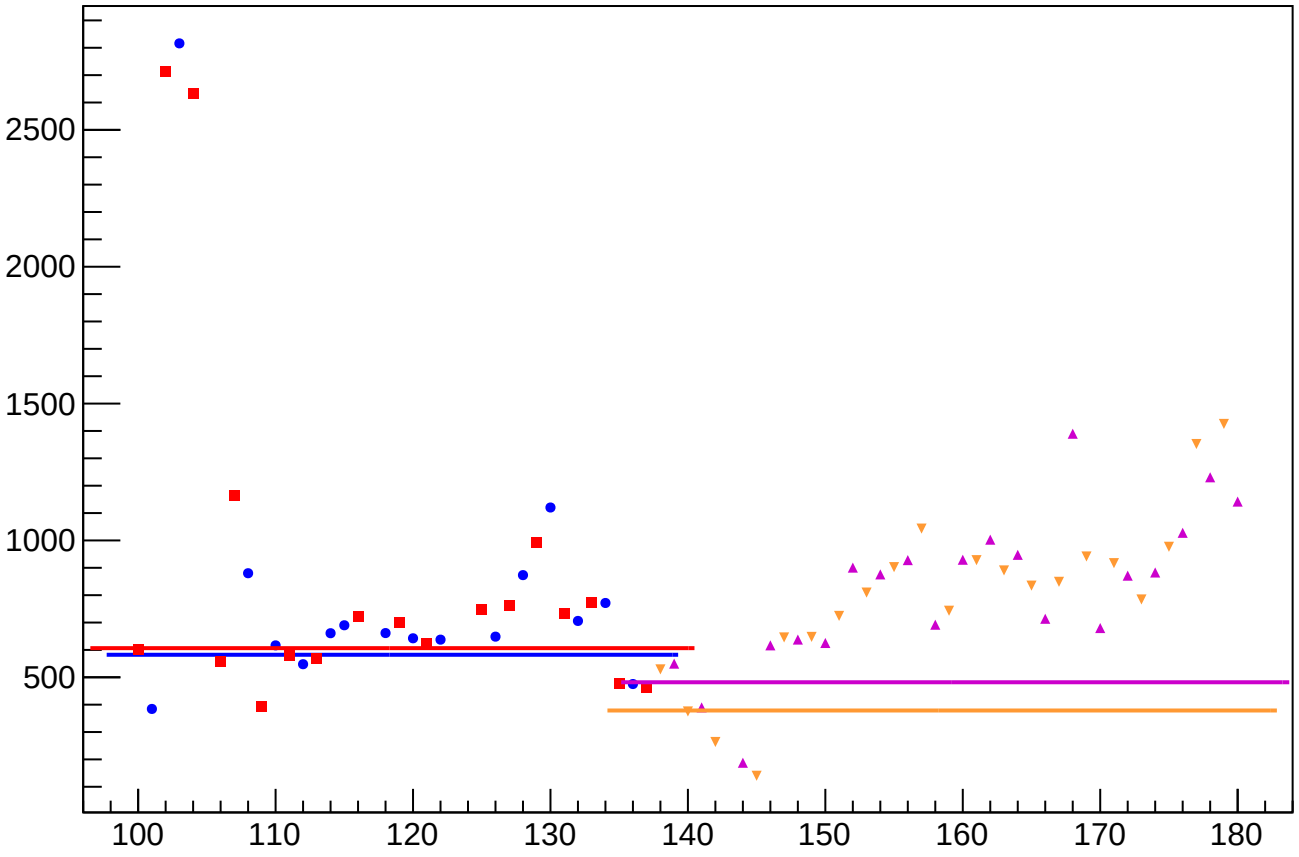
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -131.995+/-138.489 χ^2/NDF:16.2/20

+ sign 54.961+/-107.396 χ^2/NDF: 31.1/36

All: 0.778+/-80.225 χ^2/NDF: 63.1/75

- sign -67.628+/-120.672 χ^2/NDF: 31.4/38



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 378.686+/-0.086 χ^2/NDF:13011978.4/20

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

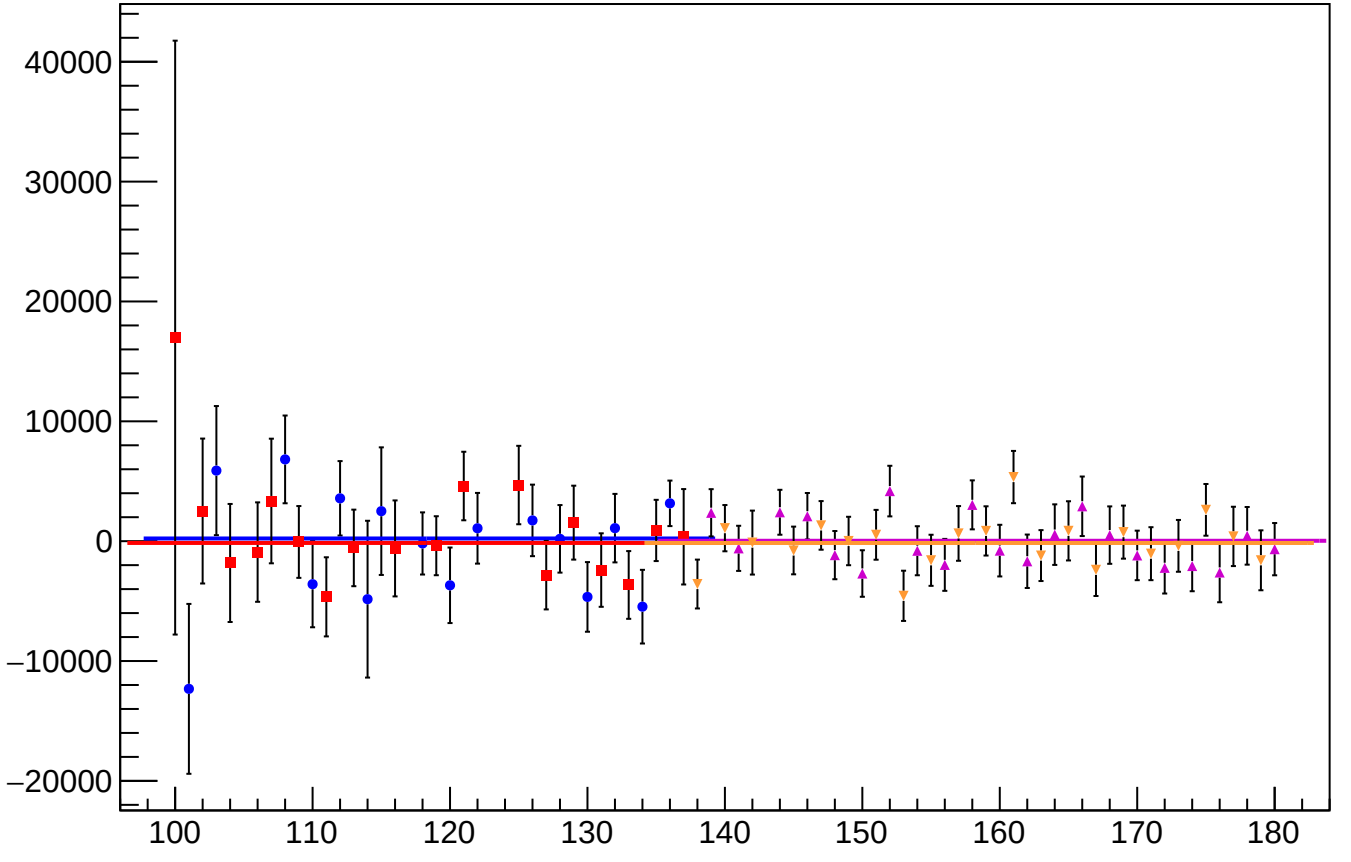
Left In: 481.827+/-0.098 χ^2/NDF:9825671.5/20

+ sign 422.421+/-0.076 χ^2/NDF: 15978504.4/36

All: 461.939+/-0.057 χ^2/NDF: 29005169.5/75

- sign 511.830+/-0.085 χ^2/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: -150.756+/-473.231 χ^2/NDF:19.4/20

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

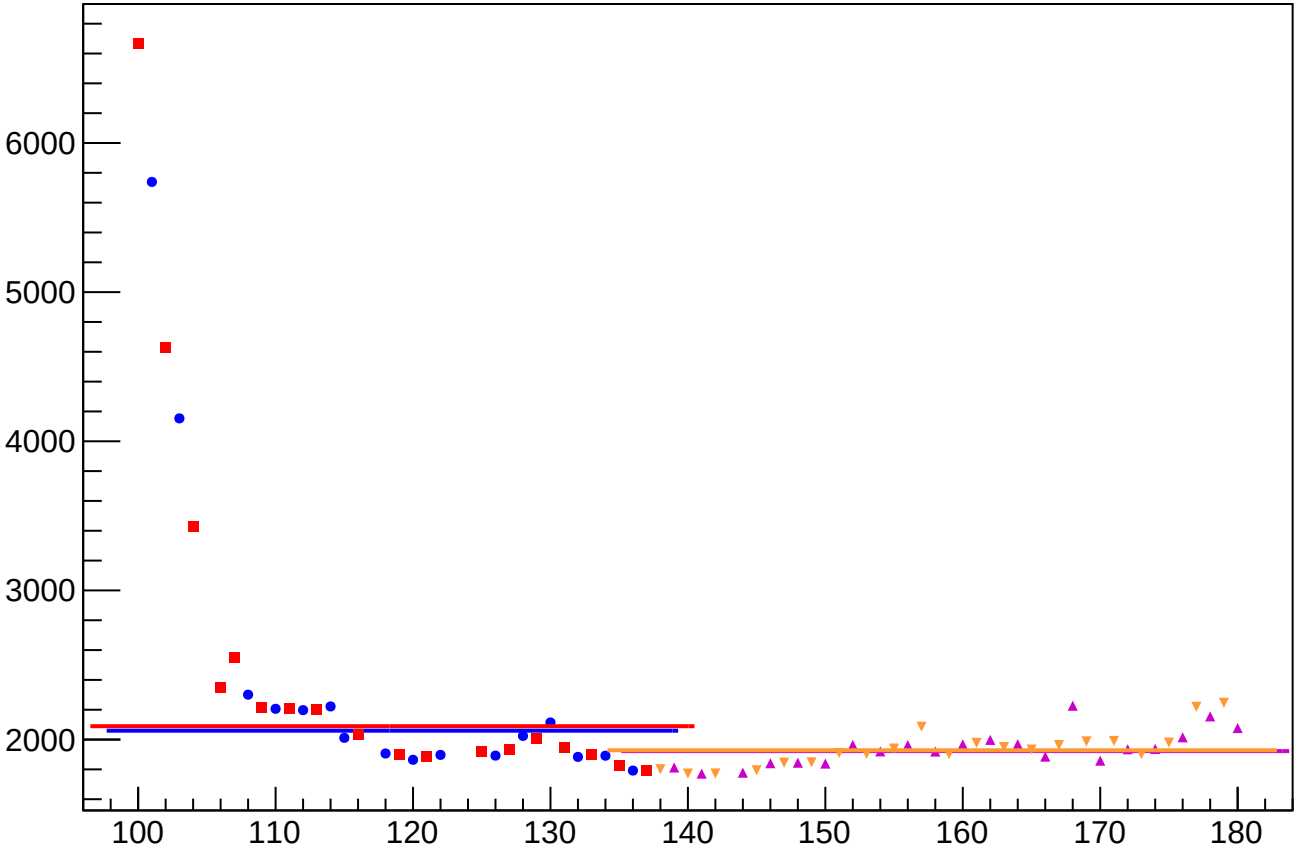
Left In: 32.875+/-463.687 χ^2/NDF:19.5/20

+ sign -51.964+/-406.194 χ^2/NDF: 40.8/36

All: -32.256+/-285.163 χ^2/NDF: 71.9/75

- 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: 1928.233+/-0.335 χ^2/NDF:120049.3/20

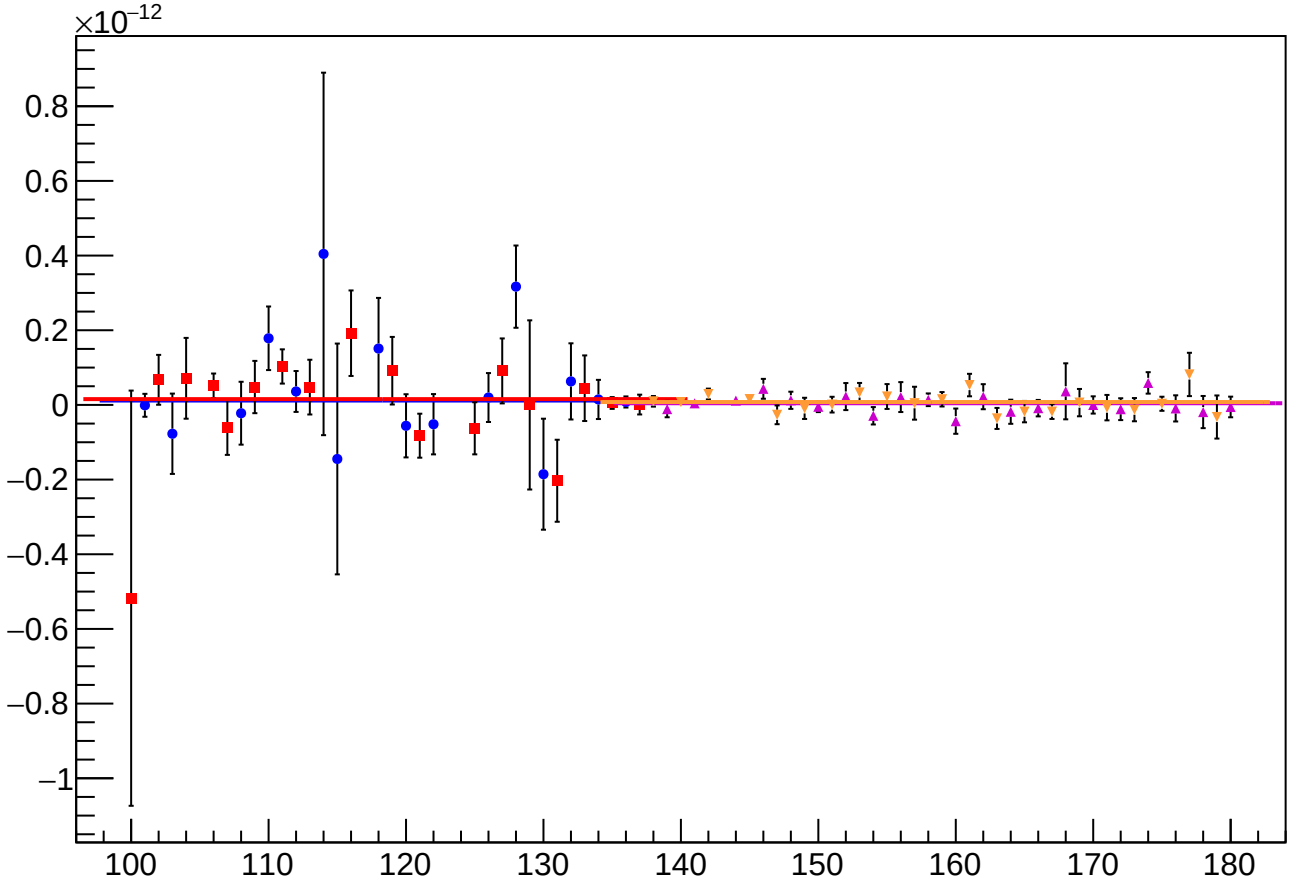
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1922.590+/-0.328 χ^2/NDF:112890.5/20

+ sign 1962.788+/-0.287 χ^2/NDF: 1100430.9/36

All: 1963.919+/-0.202 χ^2/NDF: 1960680.7/75

- 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:16.3/20

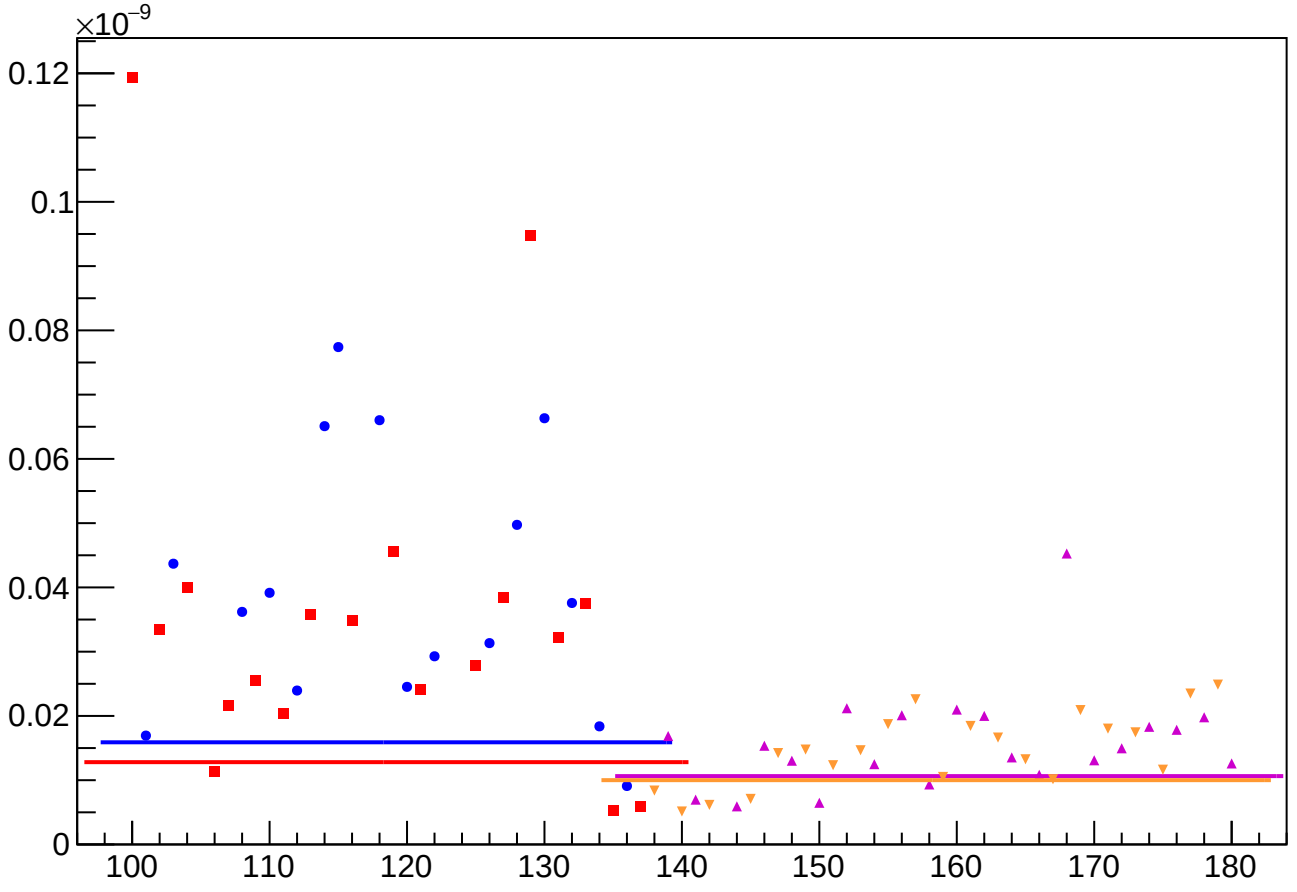
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/36

All: 0.000+/-0.000 χ^2/NDF: 70.5/75

- 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:2250395.0/20

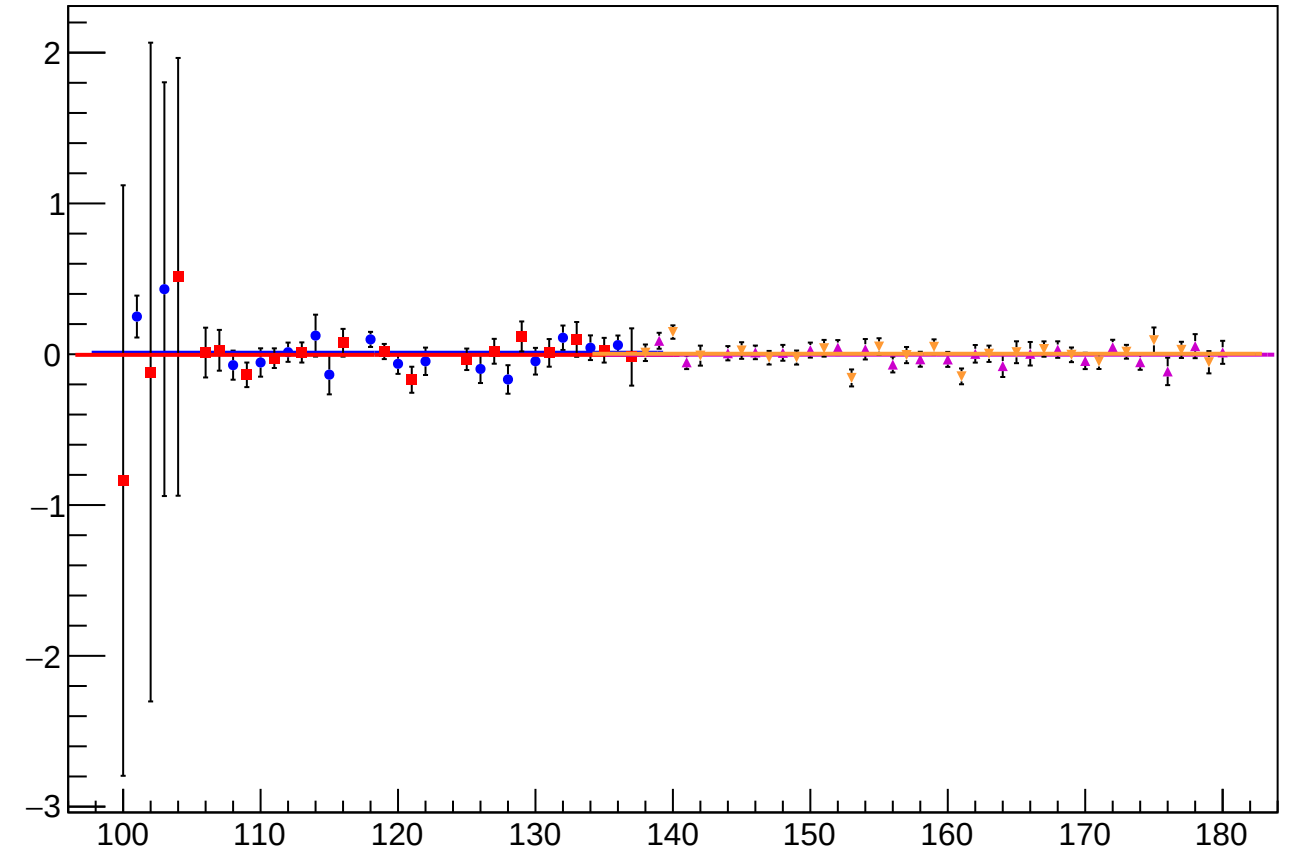
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2573300.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 4637017.8/36

All: 0.000+/-0.000 χ^2/NDF: 9768522.0/75

- 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: 0.003+/-0.012 χ^2/NDF:33.0/20

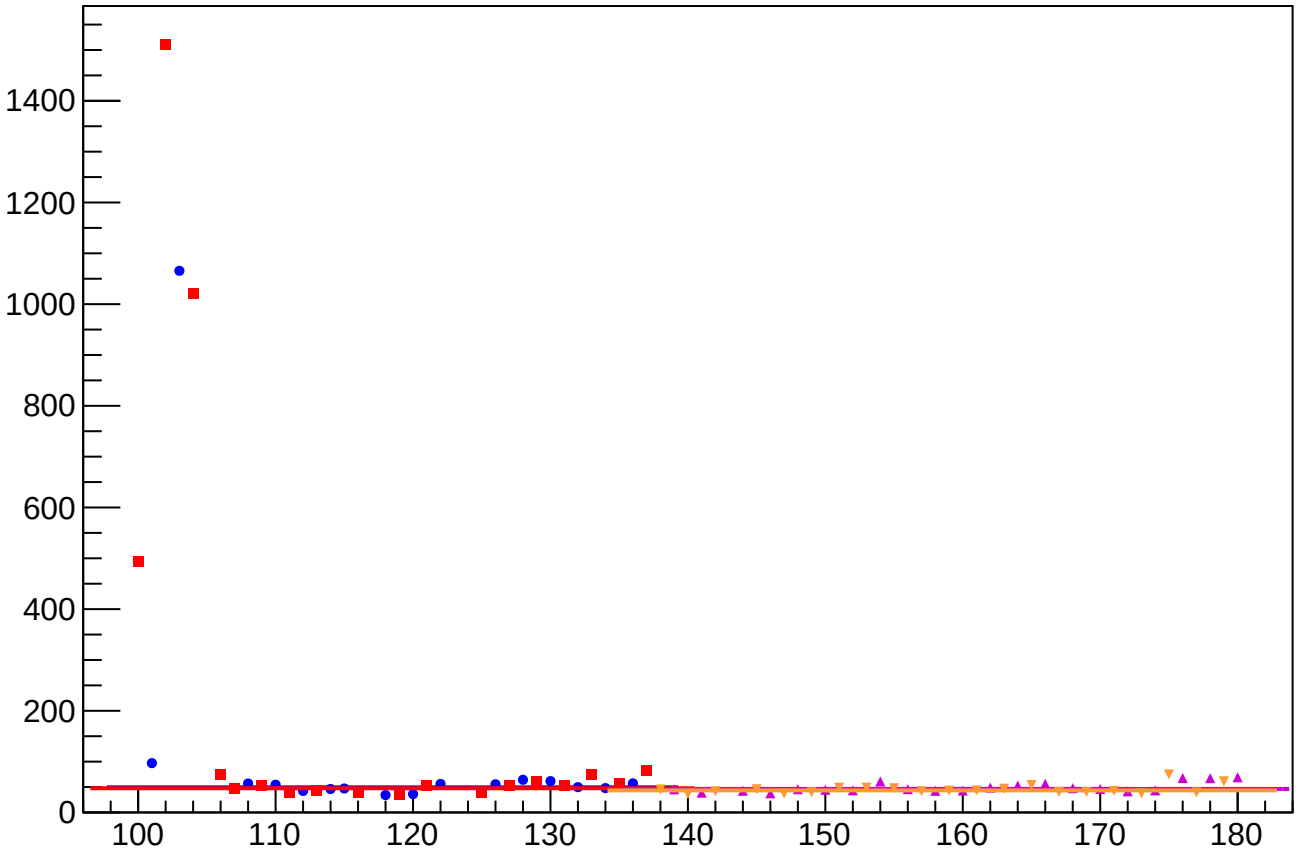
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/20

+ sign 0.005+/-0.010 χ^2/NDF: 51.6/36

All: 0.001+/-0.007 χ^2/NDF: 76.8/75

- 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: 43.424+/-0.008 χ^2/NDF:655830.1/20

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

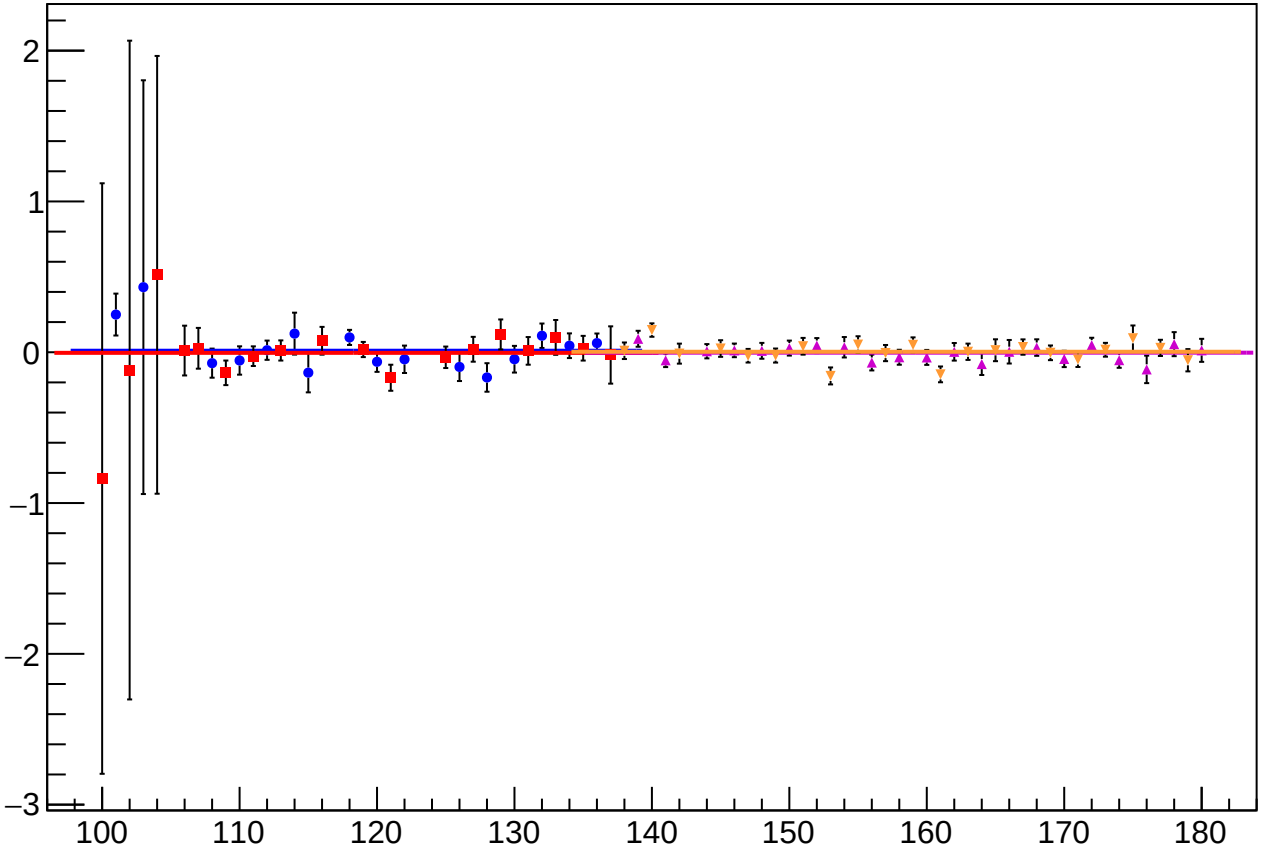
Left In: 46.260+/-0.009 χ^2/NDF:773181.7/20

+ sign 44.827+/-0.007 χ^2/NDF: 2554077.1/36

All: 45.680+/-0.005 χ^2/NDF: 5780039.9/75

- 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: 0.003+/-0.012 χ^2/NDF:33.0/20

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

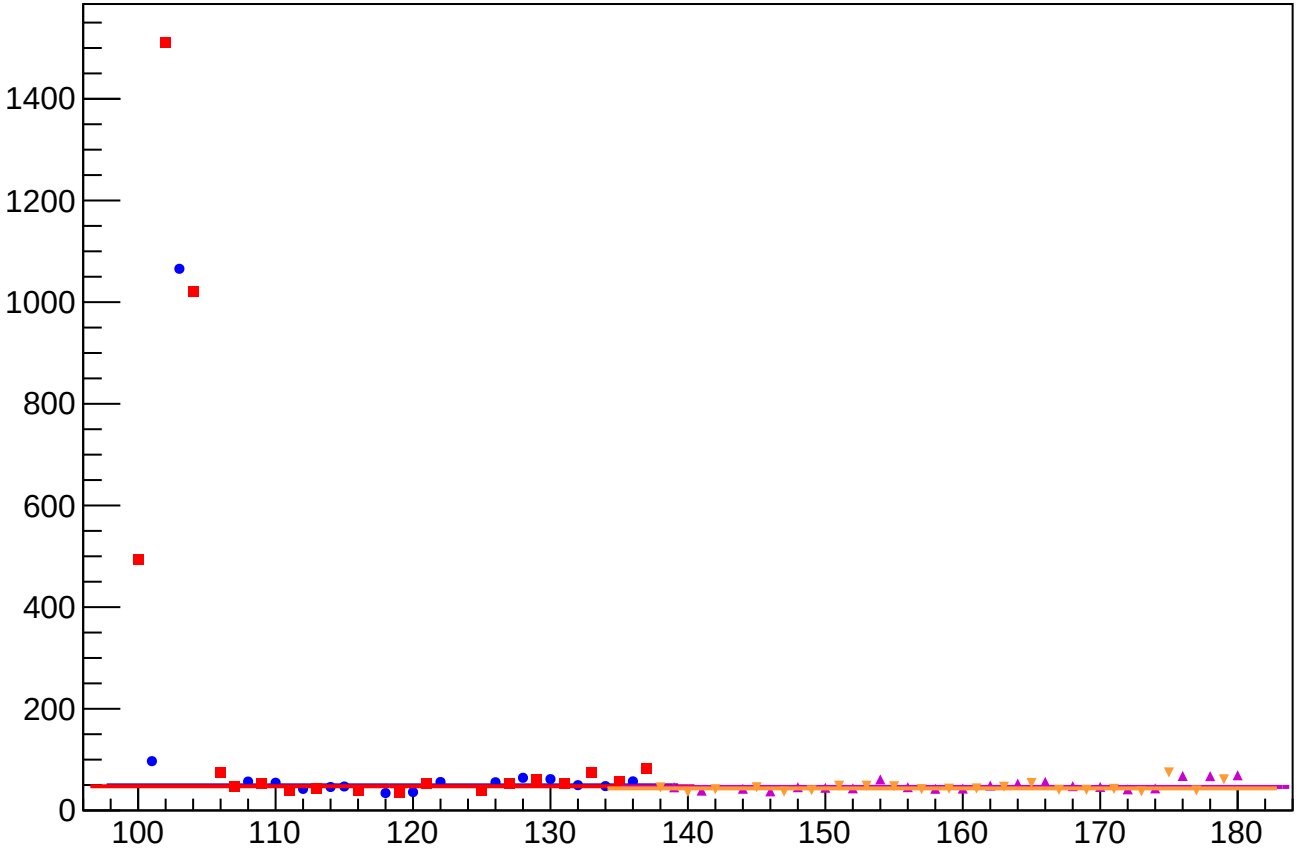
Left In: -0.003+/-0.012 χ^2/NDF:14.4/20

+ sign 0.005+/-0.010 χ^2/NDF: 51.6/36

All: 0.001+/-0.007 χ^2/NDF: 76.8/75

- sign -0.003+/-0.010 χ^2/NDF: 24.9/38

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.424+/-0.008 χ^2/NDF:655830.1/20

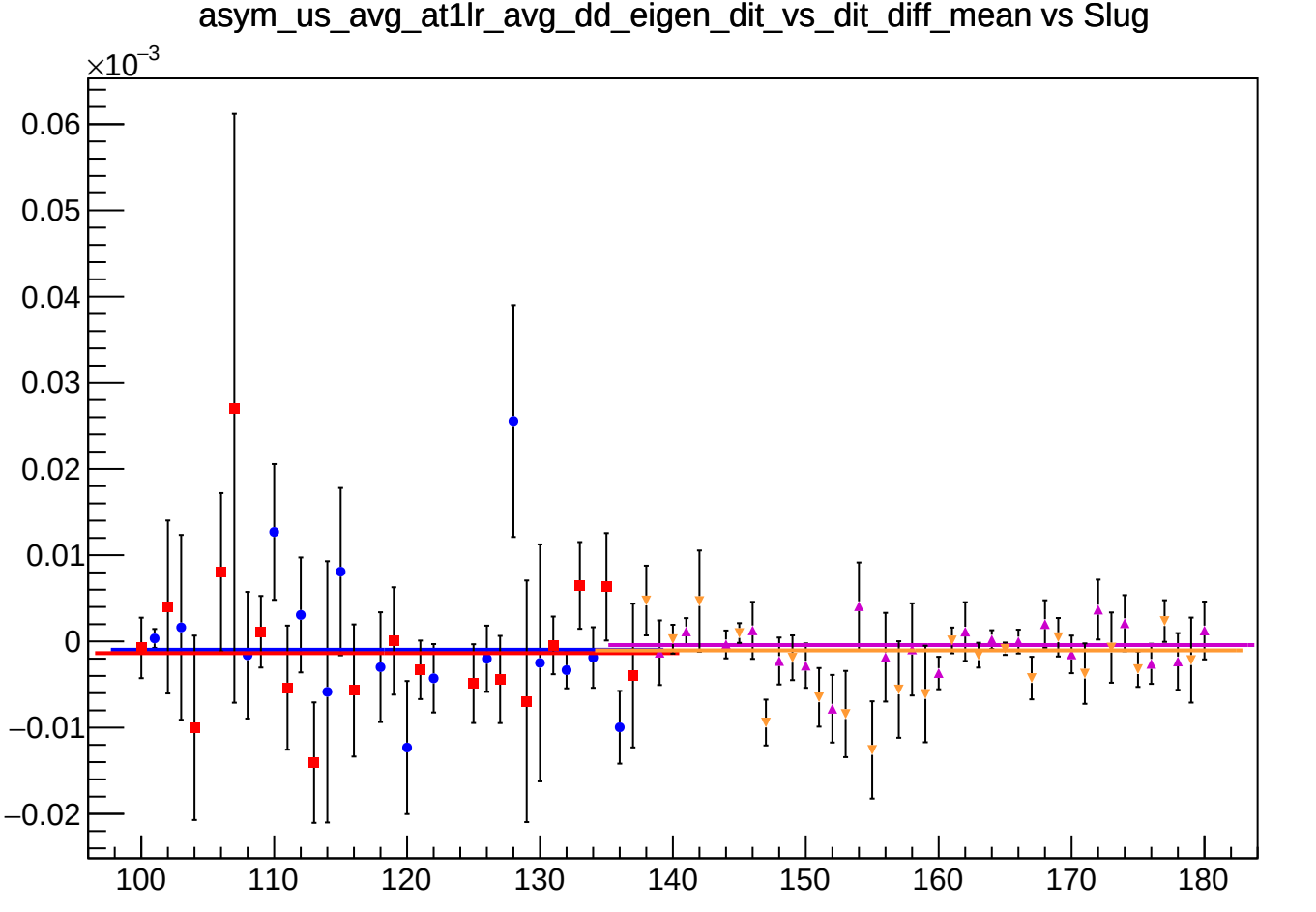
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 46.260+/-0.009 χ^2/NDF:773181.7/20

+ sign 44.827+/-0.007 χ^2/NDF: 2554077.1/36

All: 45.680+/-0.005 χ^2/NDF: 5780039.9/75

- sign 46.579+/-0.007 χ^2/NDF: 3197312.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.9/20

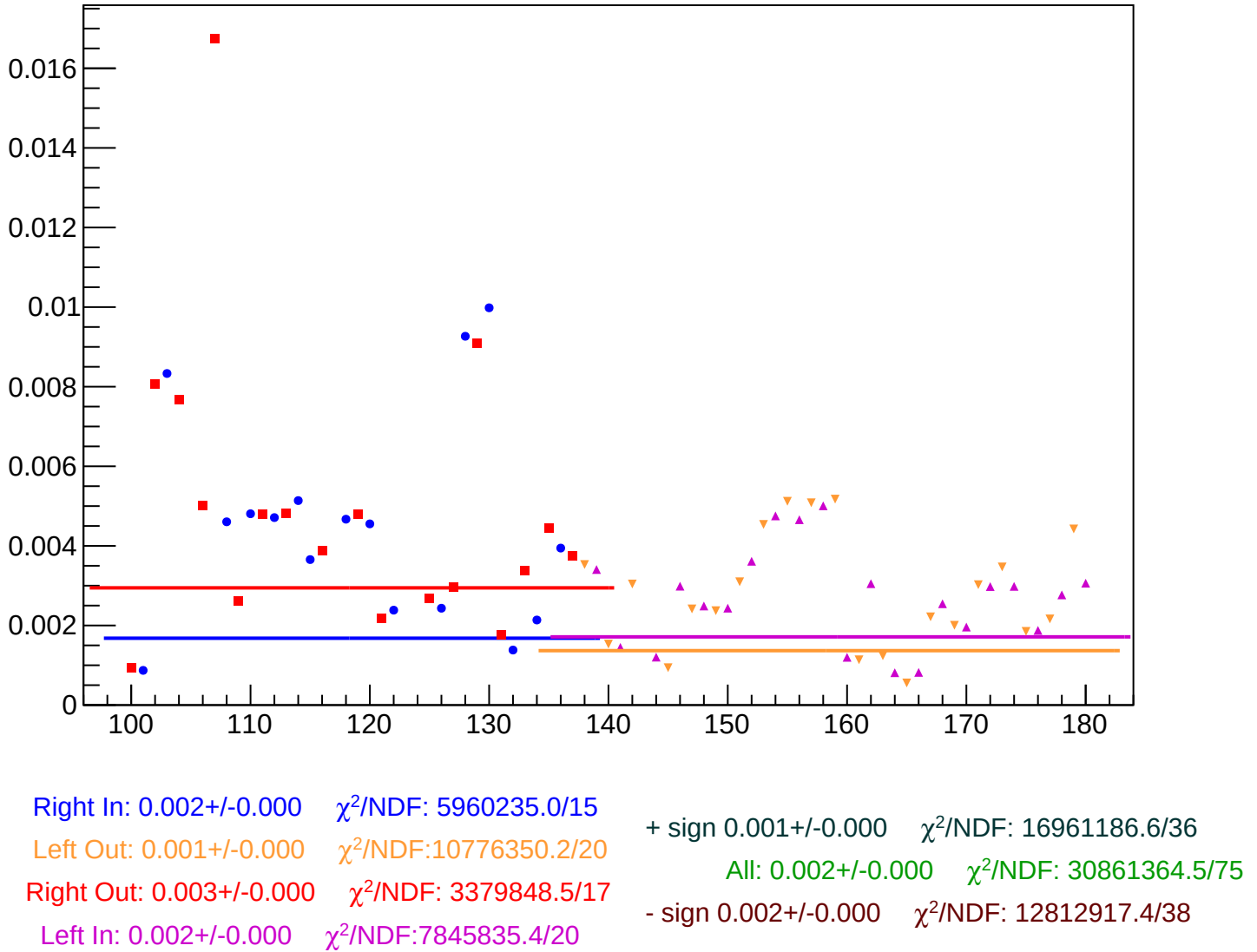
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:15.2/20

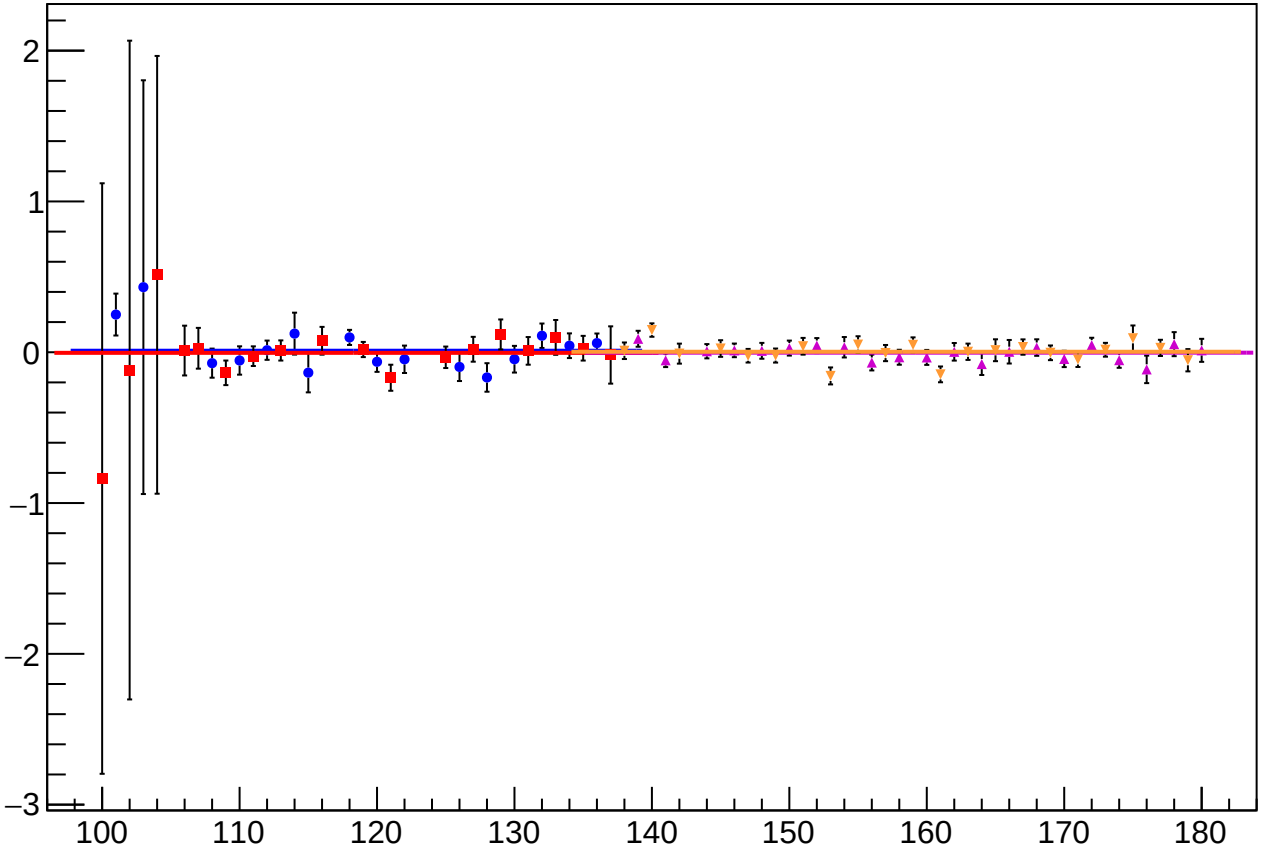
+ sign -0.000+/-0.000 χ^2/NDF: 52.5/36

All: -0.000+/-0.000 χ^2/NDF: 81.5/75

- sign -0.000+/-0.000 χ^2/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:10776350.2/20
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: 16961186.6/36
All: 0.002+/-0.000 χ²/NDF: 30861364.5/75
- 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: 0.003+/-0.012 χ^2/NDF:33.0/20

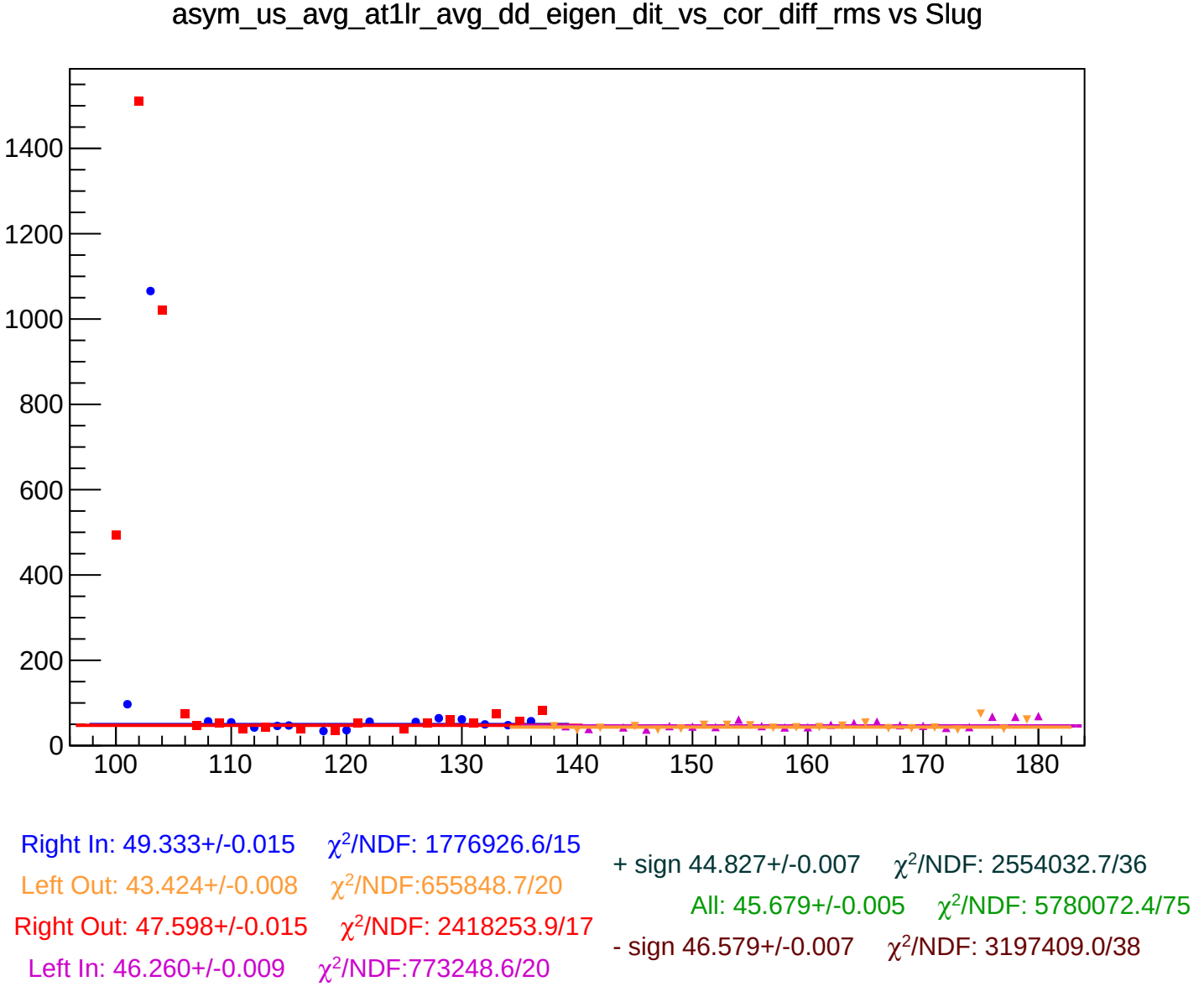
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.012 χ^2/NDF:14.4/20

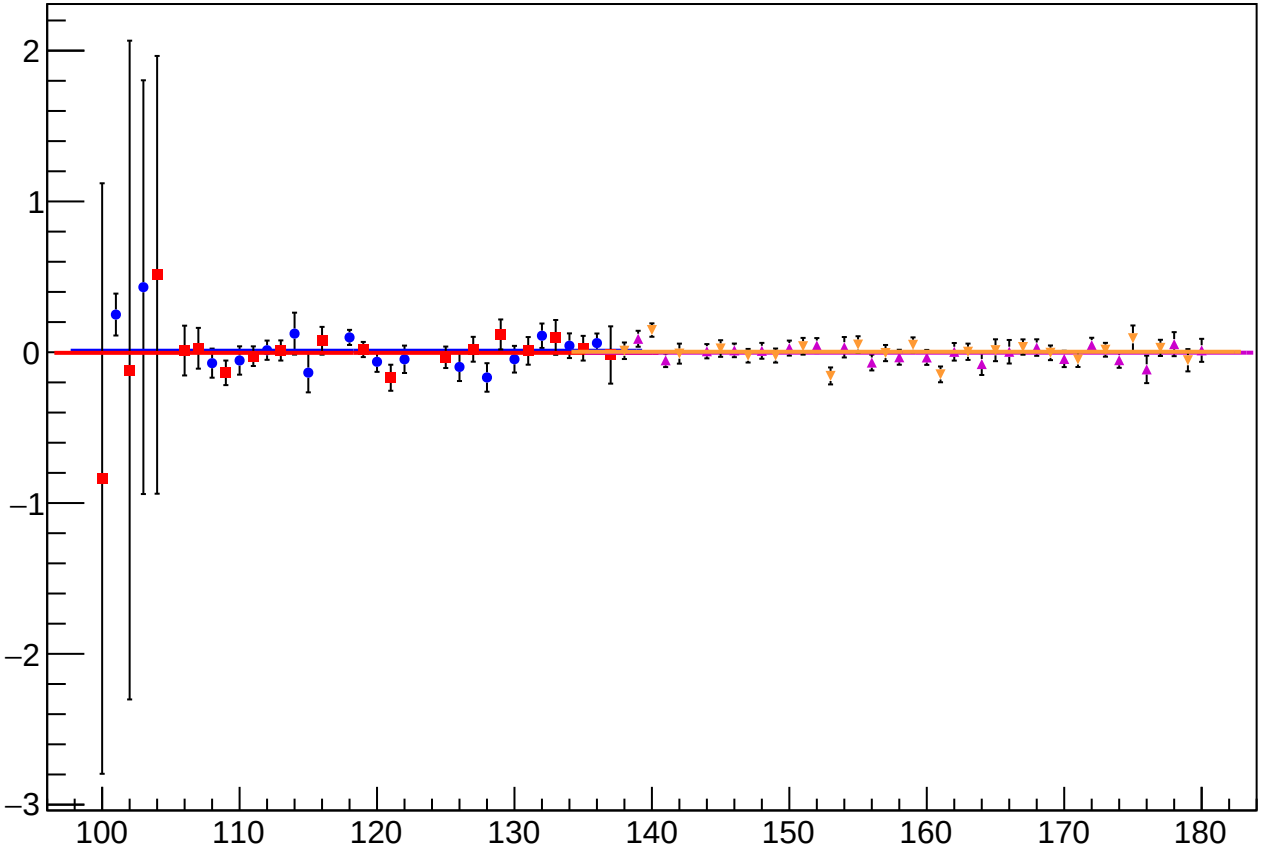
+ sign 0.005+/-0.010 χ^2/NDF: 51.6/36

All: 0.001+/-0.007 χ^2/NDF: 76.8/75

- sign -0.003+/-0.010 χ^2/NDF: 24.9/38


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_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: 43.424+/-0.008 χ²/NDF:655848.7/20
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 46.260+/-0.009 χ²/NDF:773248.6/20
+ sign 44.827+/-0.007 χ²/NDF: 2554032.7/36
All: 45.679+/-0.005 χ²/NDF: 5780072.4/75
- sign 46.579+/-0.007 χ²/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: 0.003+/-0.012 χ^2/NDF:33.0/20

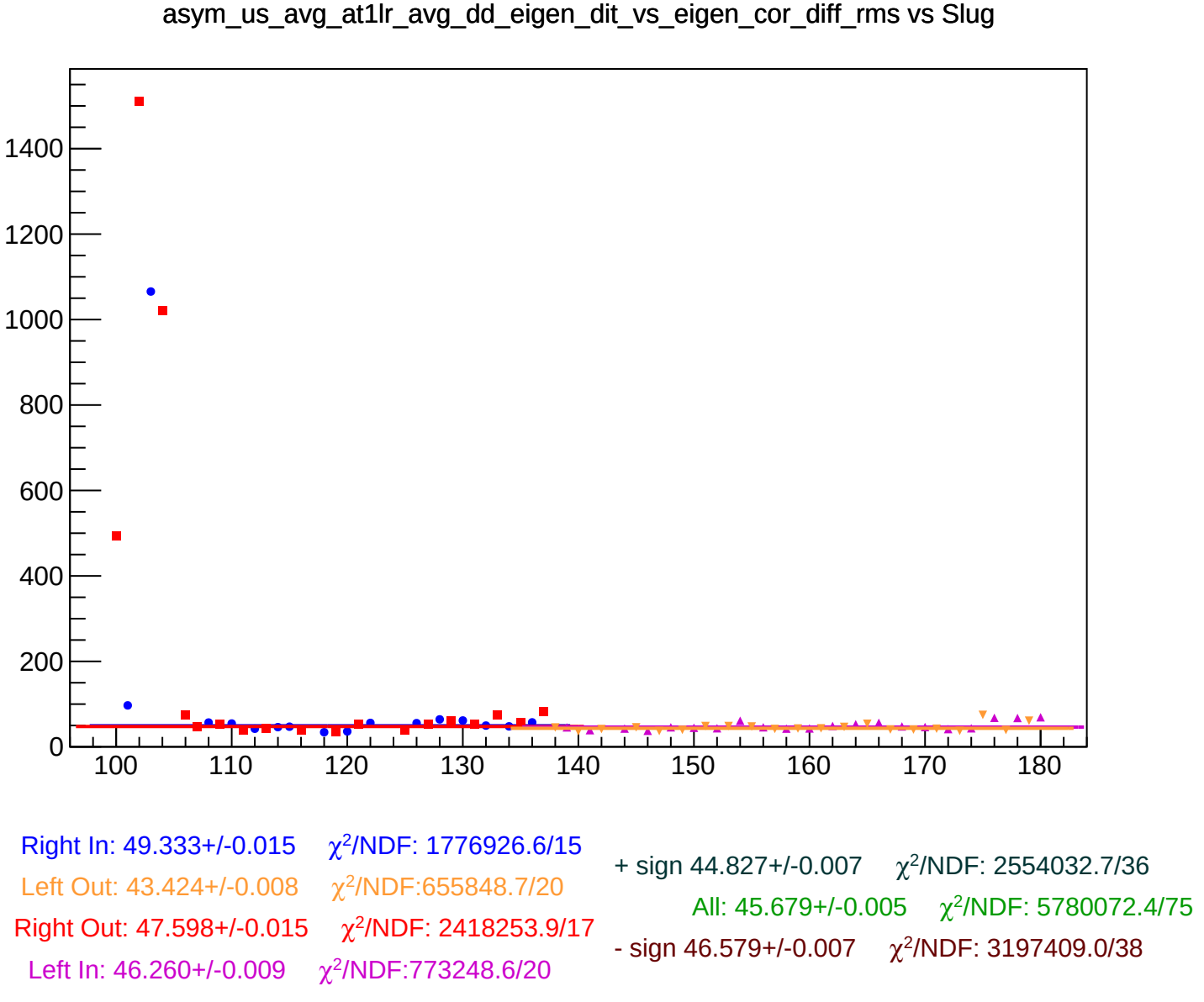
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

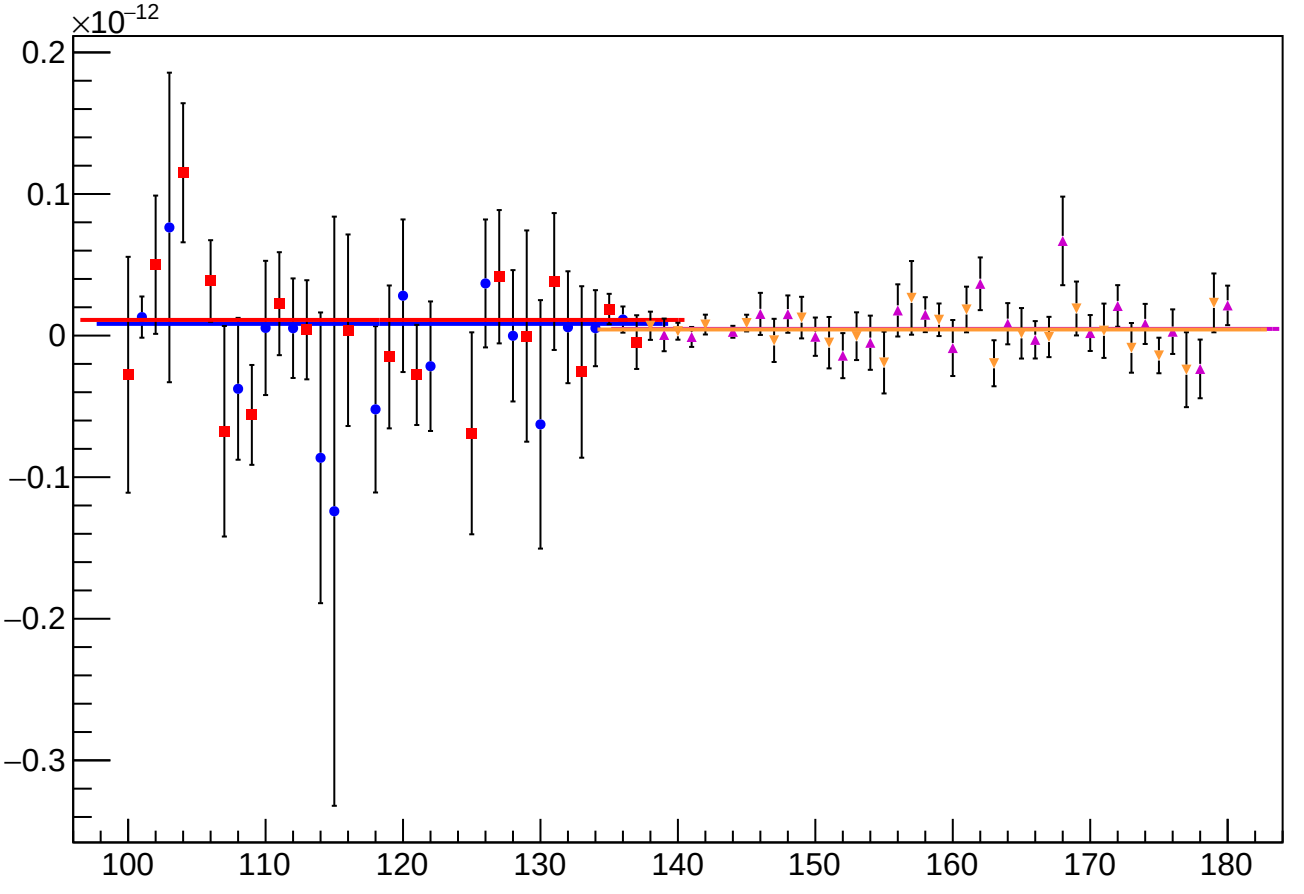
Left In: -0.003+/-0.012 χ^2/NDF:14.4/20

+ sign 0.005+/-0.010 χ^2/NDF: 51.6/36

All: 0.001+/-0.007 χ^2/NDF: 76.8/75

- 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: 43.424+/-0.008 χ²/NDF:655848.7/20
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 46.260+/-0.009 χ²/NDF:773248.6/20
+ sign 44.827+/-0.007 χ²/NDF: 2554032.7/36
All: 45.679+/-0.005 χ²/NDF: 5780072.4/75
- 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:12.5/20

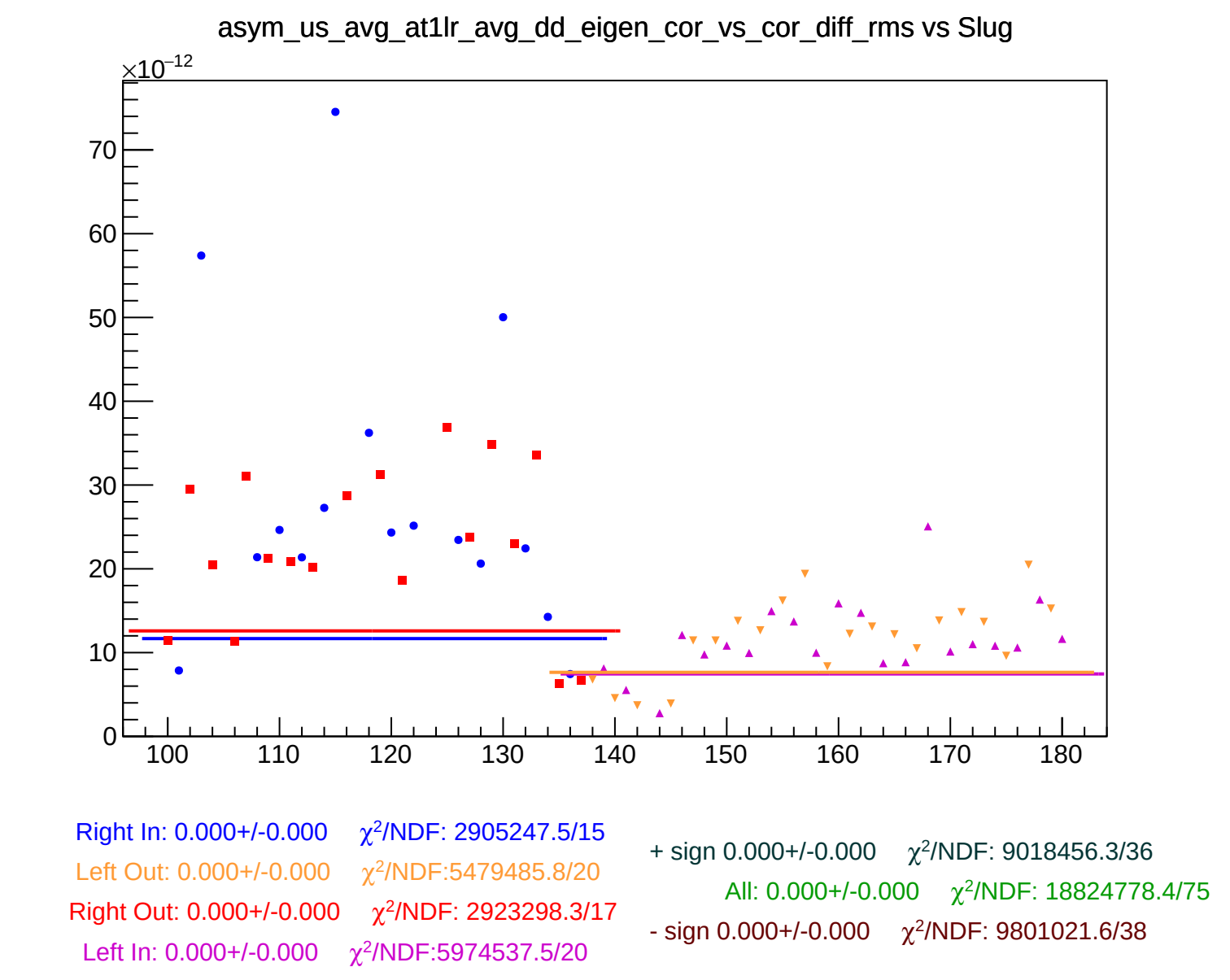
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:17.5/20

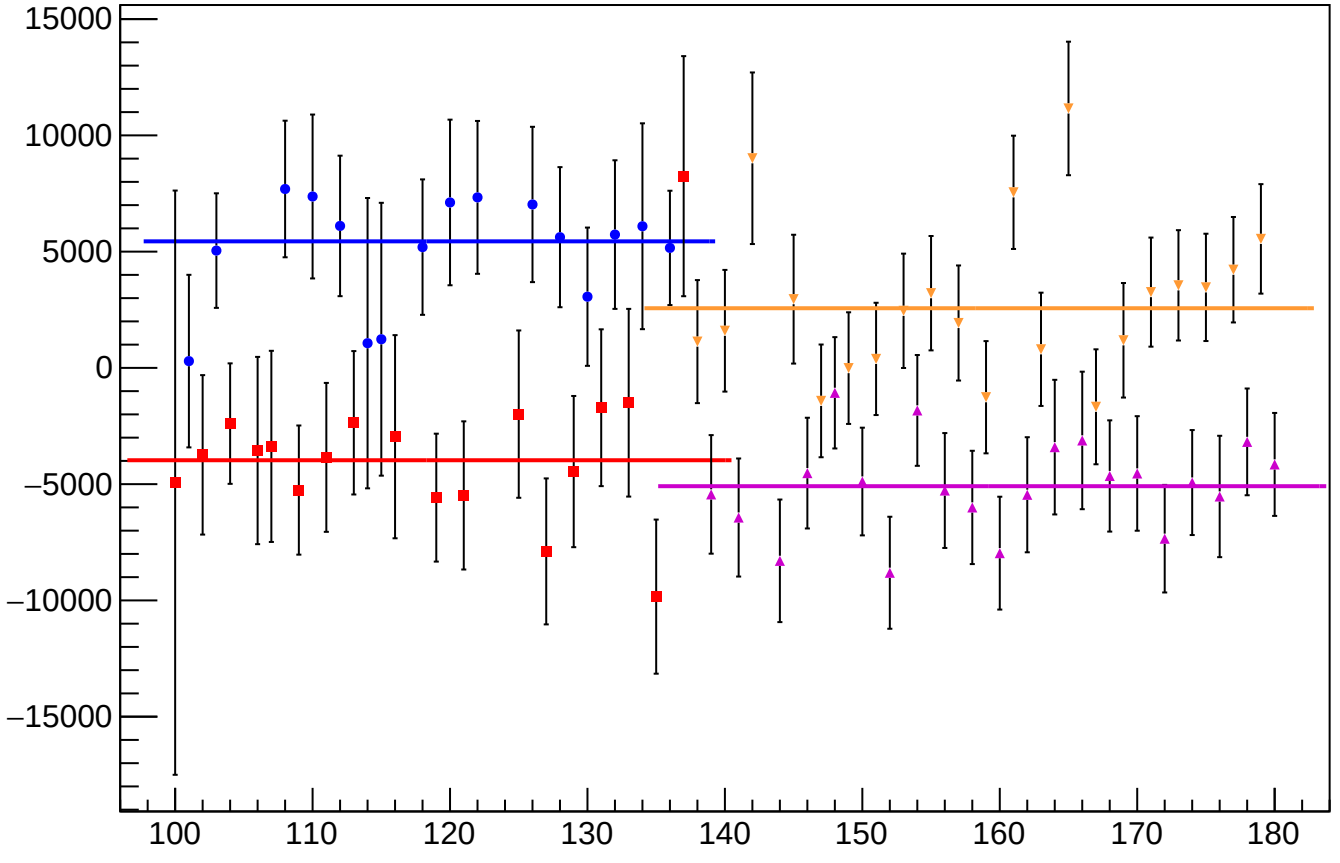
+ sign 0.000+/-0.000 χ^2/NDF: 18.2/36

All: 0.000+/-0.000 χ^2/NDF: 52.6/75

- 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:5479485.8/20
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: 9018456.3/36
All: 0.000+/-0.000 χ²/NDF: 18824778.4/75
- 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: 2565.666+/-543.744 χ^2/NDF:30.3/20

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

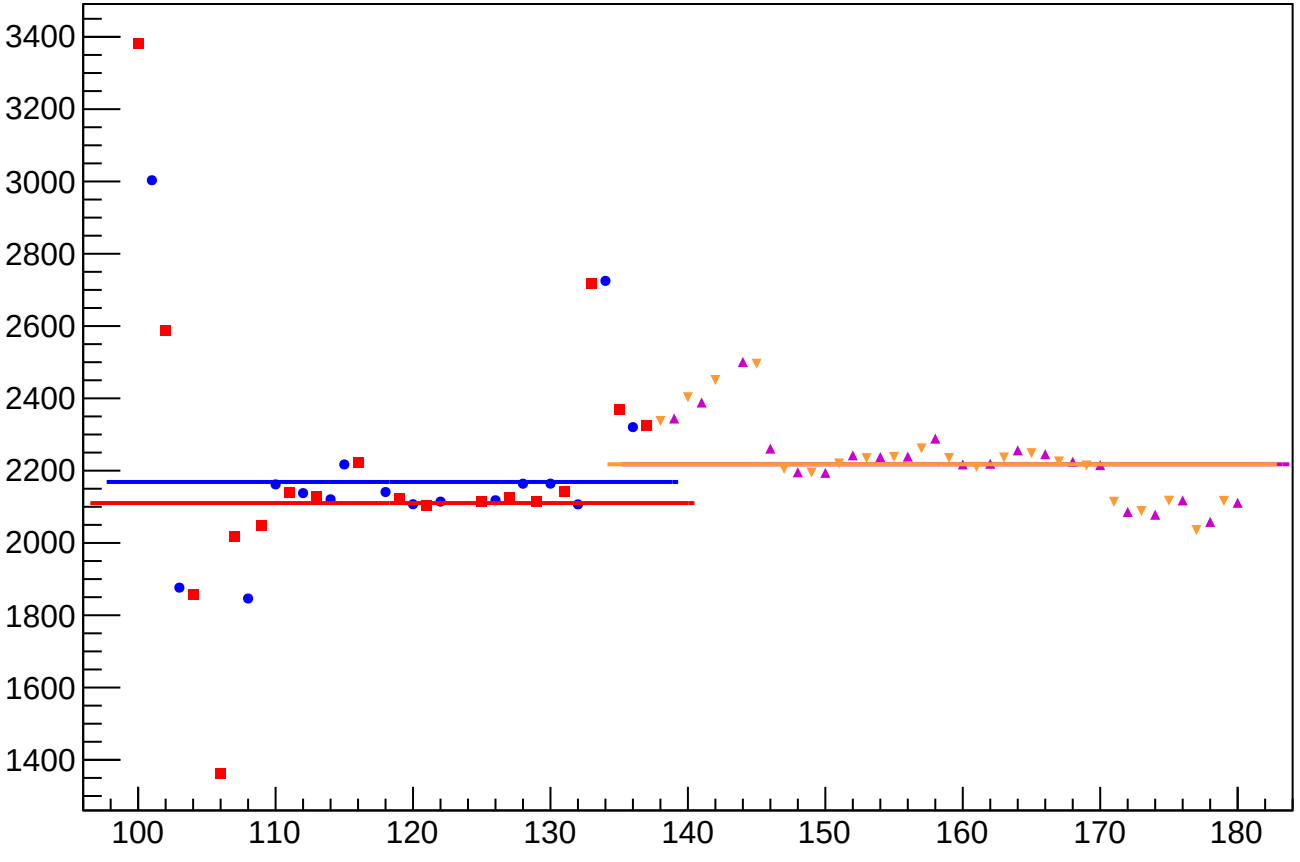
Left In: -5087.712+/-534.448 χ^2/NDF:13.2/20

+ sign 3455.443+/-451.894 χ^2/NDF: 44.3/36

All: -701.098+/-317.408 χ^2/NDF: 238.8/75

- 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: 2217.617+/-0.384 χ^2/NDF:74128.1/20

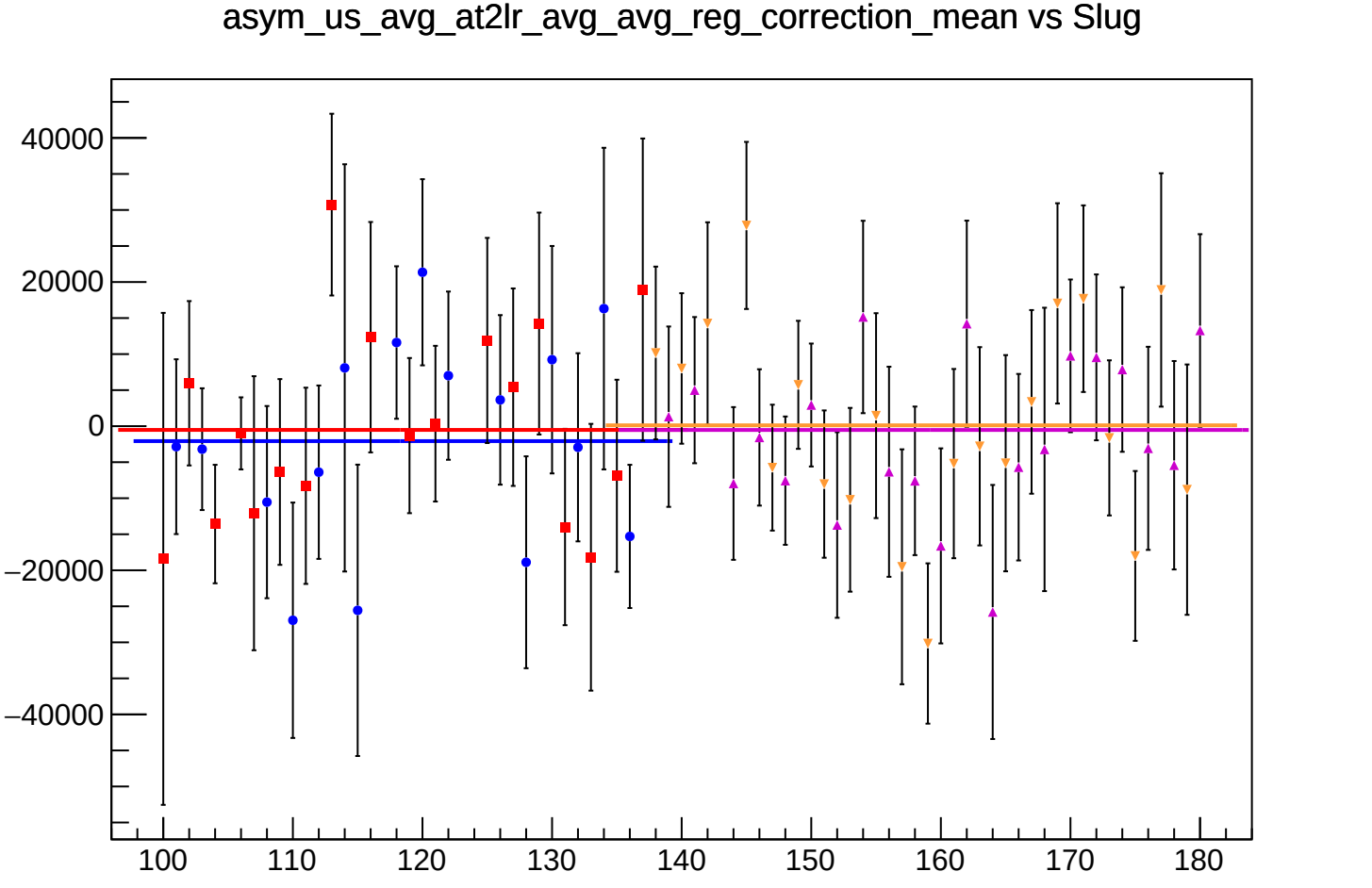
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2217.551+/-0.378 χ^2/NDF:72190.3/20

+ sign 2202.491+/-0.320 χ^2/NDF: 274791.0/36

All: 2193.207+/-0.224 χ^2/NDF: 641041.3/75

- 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: 117.449+/-2646.980 χ^2/NDF:26.7/20

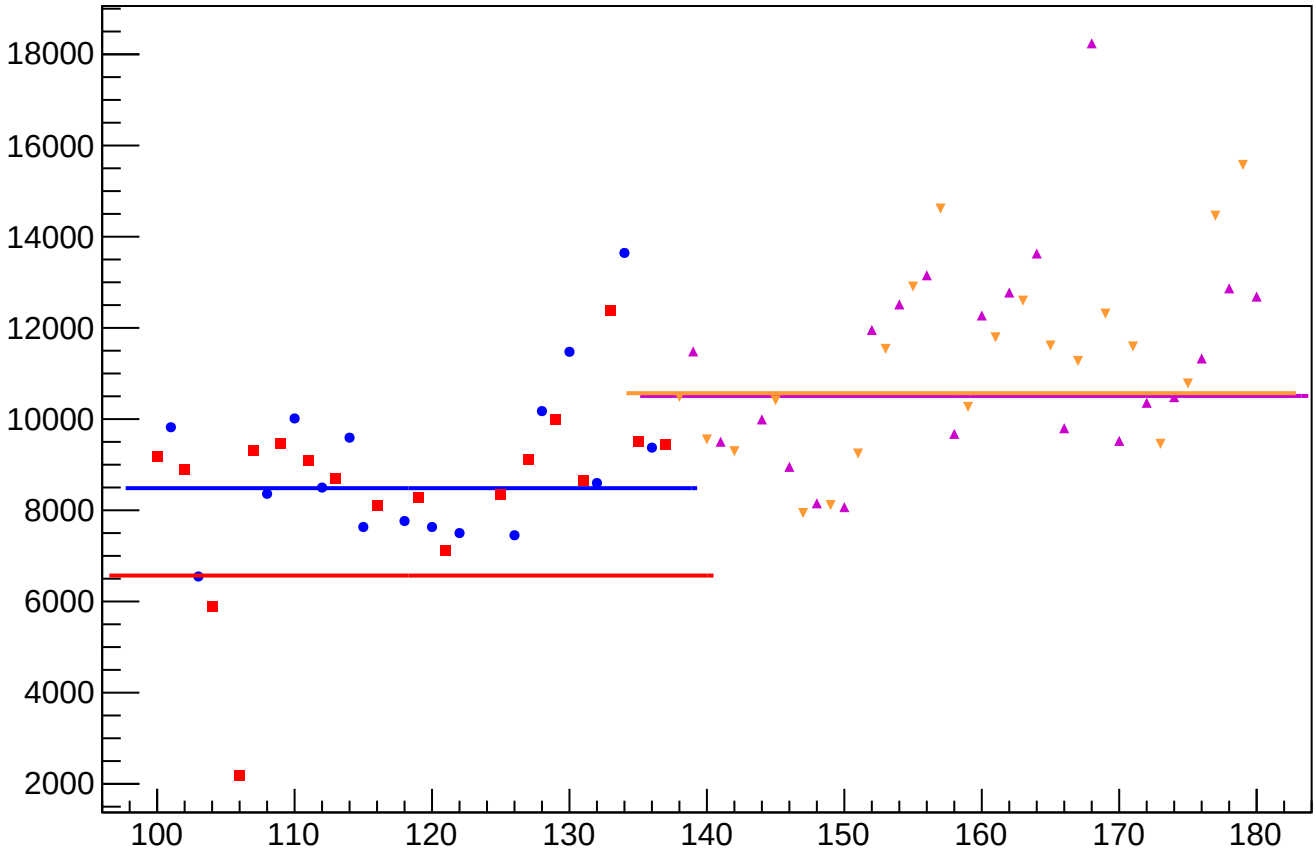
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -530.880+/-2582.151 χ^2/NDF:12.8/20

+ sign -769.197+/-2042.745 χ^2/NDF: 41.4/36

All: -637.183+/-1379.826 χ^2/NDF: 70.0/75

- 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: 10567.804+/-1.872 χ^2/NDF:1018144.1/20

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

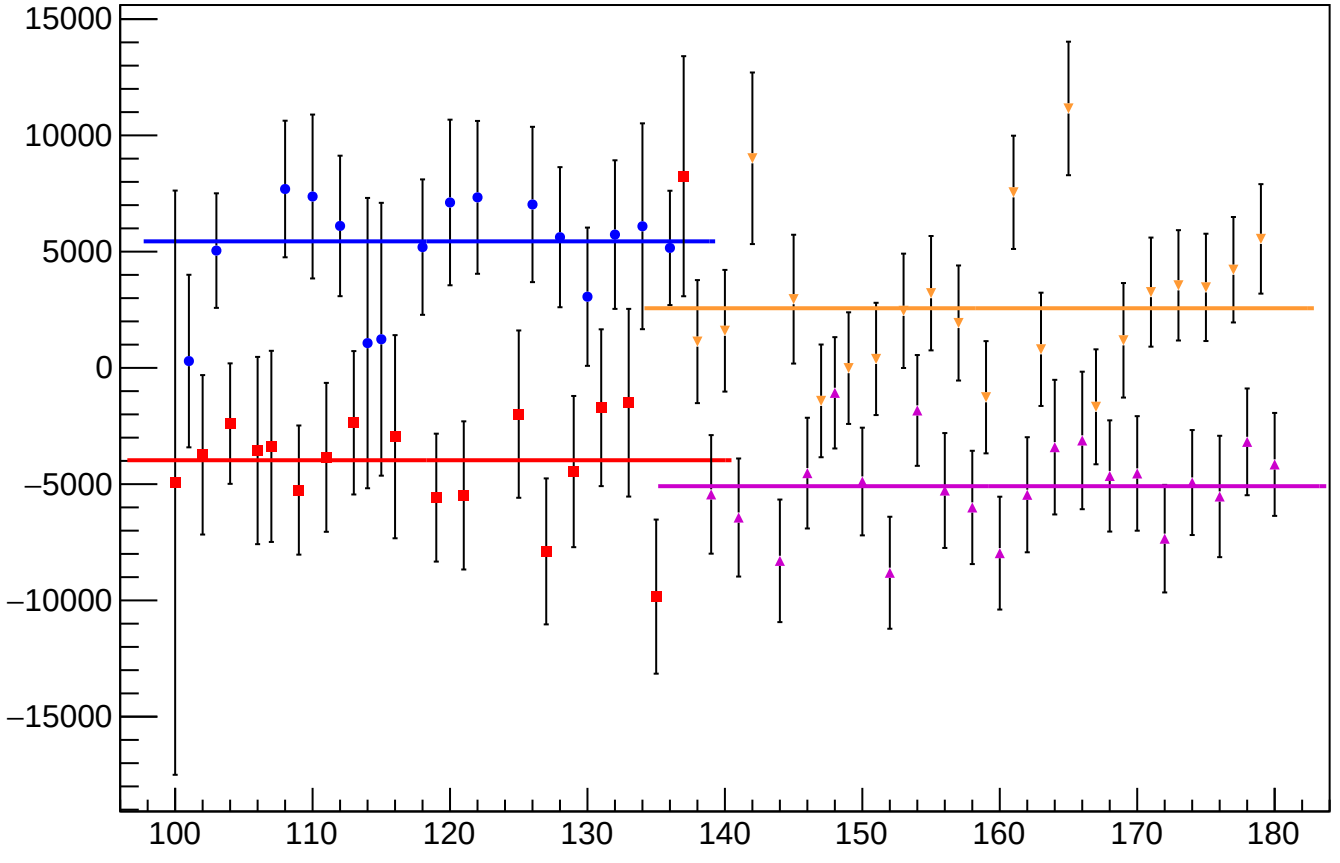
Left In: 10508.023+/-1.826 χ^2/NDF:1136537.2/20

+ sign 9725.439+/-1.444 χ^2/NDF: 1941665.6/36

All: 9133.905+/-0.976 χ^2/NDF: 8165798.5/75

- 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: 2565.593+/-543.744 χ^2/NDF:30.3/20

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

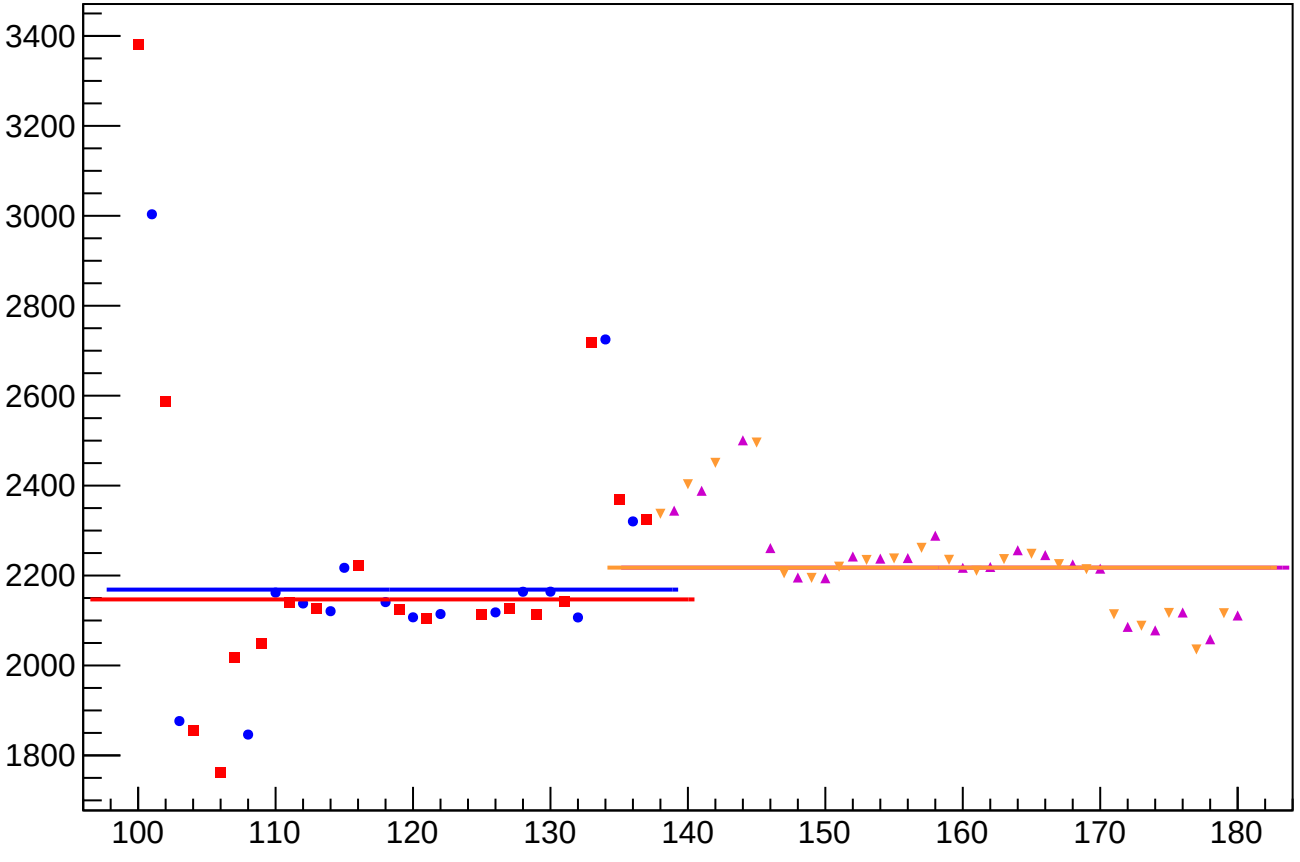
Left In: -5087.615+/-534.448 χ^2/NDF:13.2/20

+ sign 3455.436+/-451.894 χ^2/NDF: 44.3/36

All: -701.027+/-317.408 χ^2/NDF: 238.8/75

- 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: 2217.617+/-0.384 χ^2/NDF:74128.0/20

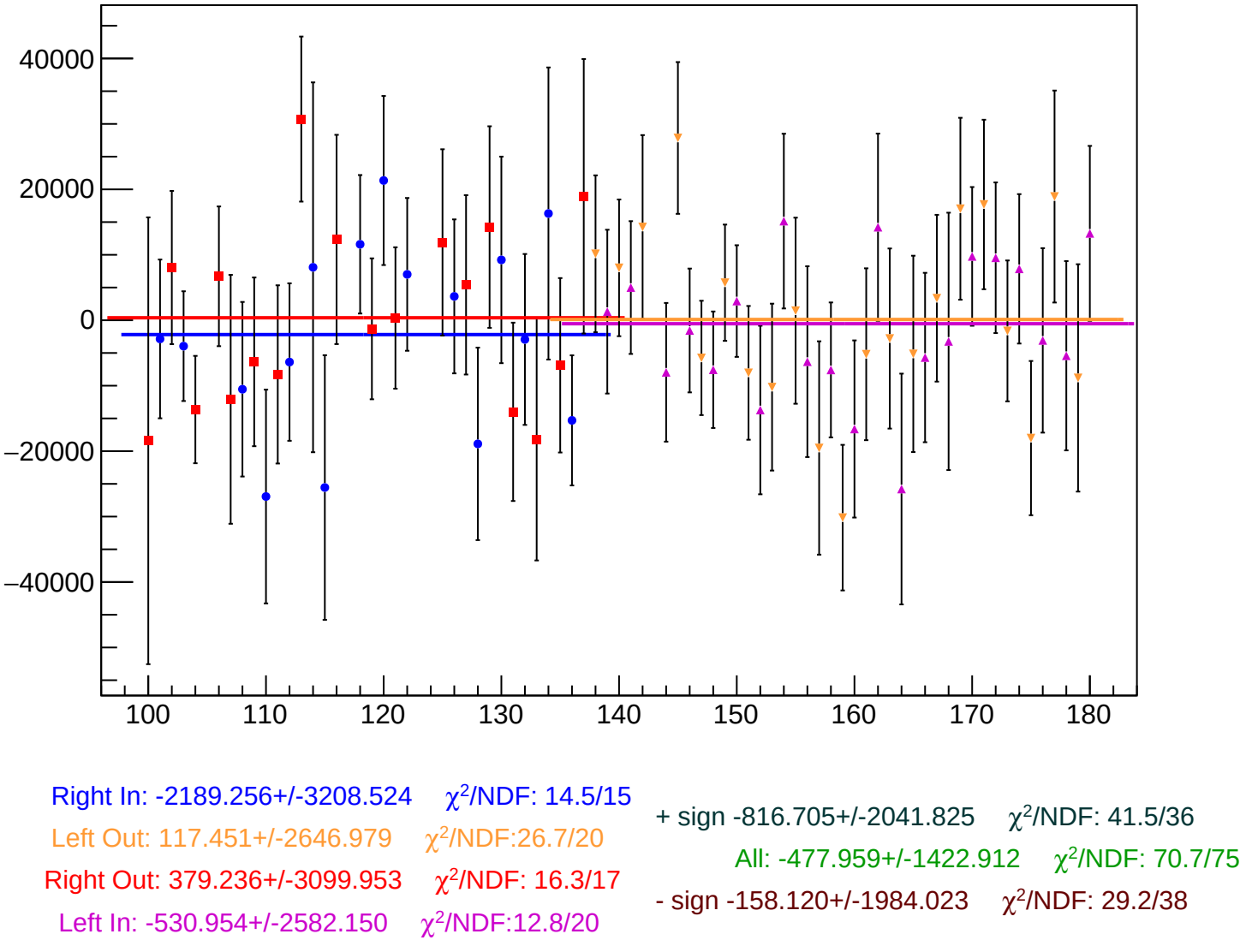
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

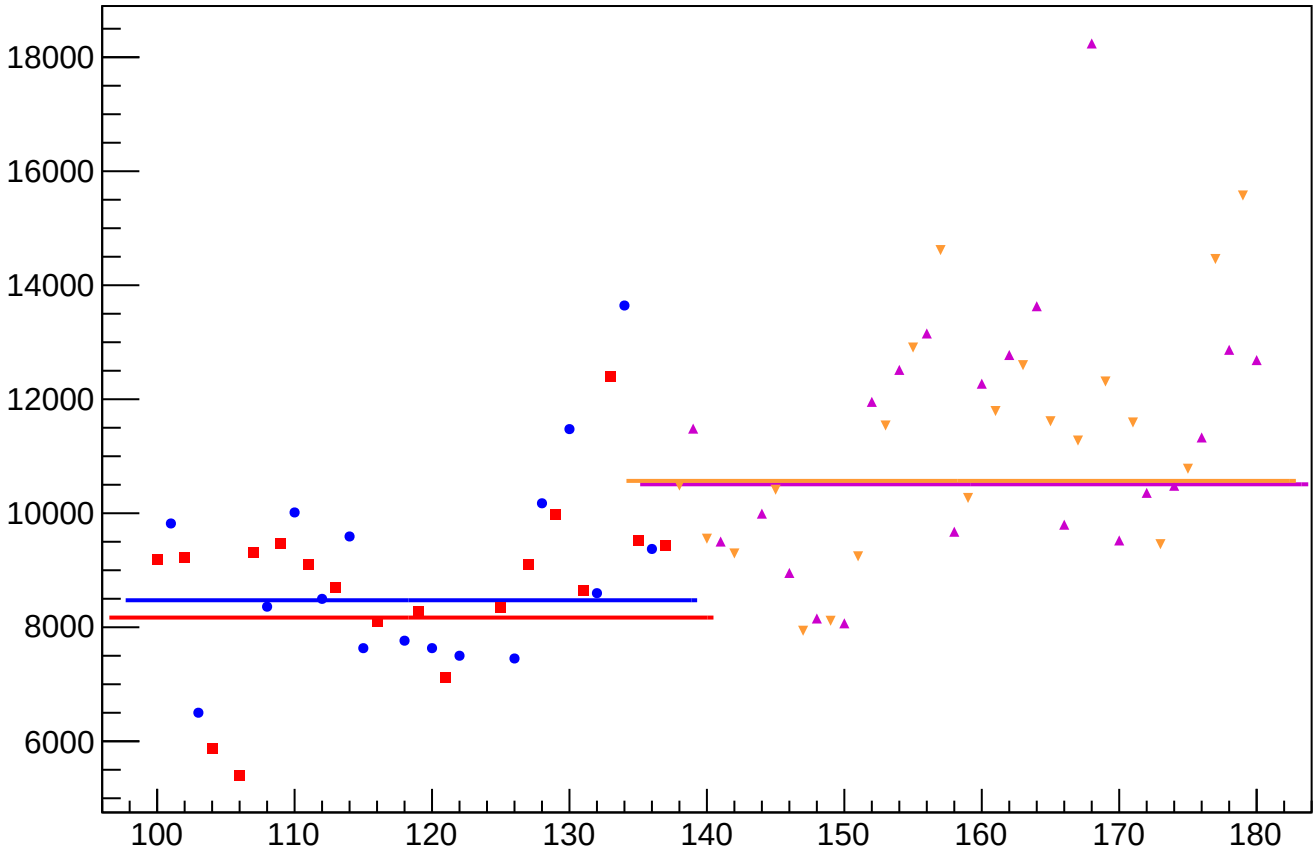
Left In: 2217.551+/-0.378 χ^2/NDF:72190.3/20

+ sign 2202.491+/-0.320 χ^2/NDF: 274791.4/36

All: 2199.164+/-0.224 χ^2/NDF: 515642.1/75

- sign 2195.933+/-0.315 χ^2/NDF: 240637.0/38


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: 117.451+/-2646.979 χ²/NDF:26.7/20
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -530.954+/-2582.150 χ²/NDF:12.8/20
+ sign -816.705+/-2041.825 χ²/NDF: 41.5/36
All: -477.959+/-1422.912 χ²/NDF: 70.7/75
- sign -158.120+/-1984.023 χ²/NDF: 29.2/38



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10567.798+/-1.872 χ^2/NDF:1018148.4/20

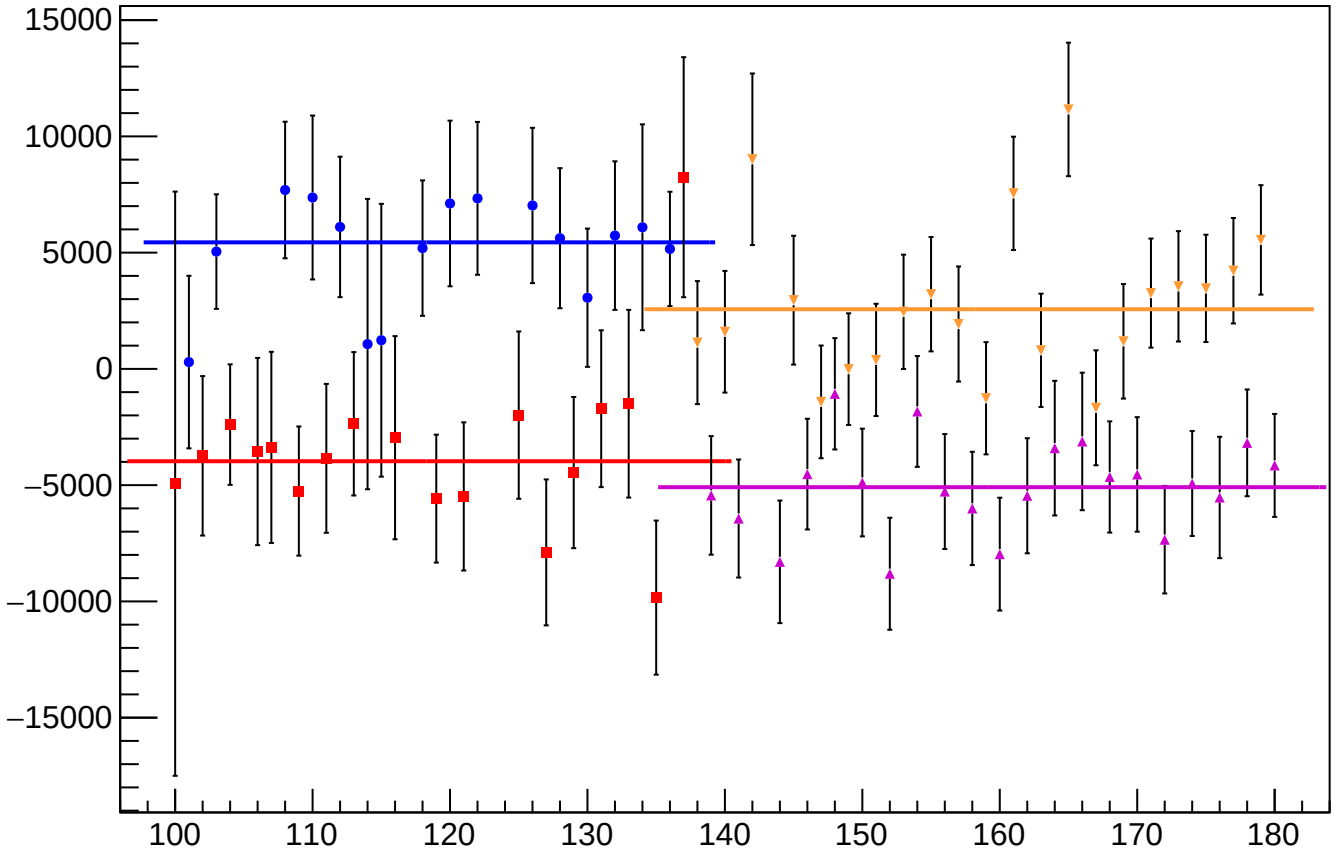
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10508.016+/-1.826 χ^2/NDF:1136540.8/20

+ sign 9719.761+/-1.444 χ^2/NDF: 1954607.1/36

All: 9632.611+/-1.006 χ^2/NDF: 4309795.1/75

- 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: 2565.593+/-543.744 χ^2/NDF:30.3/20

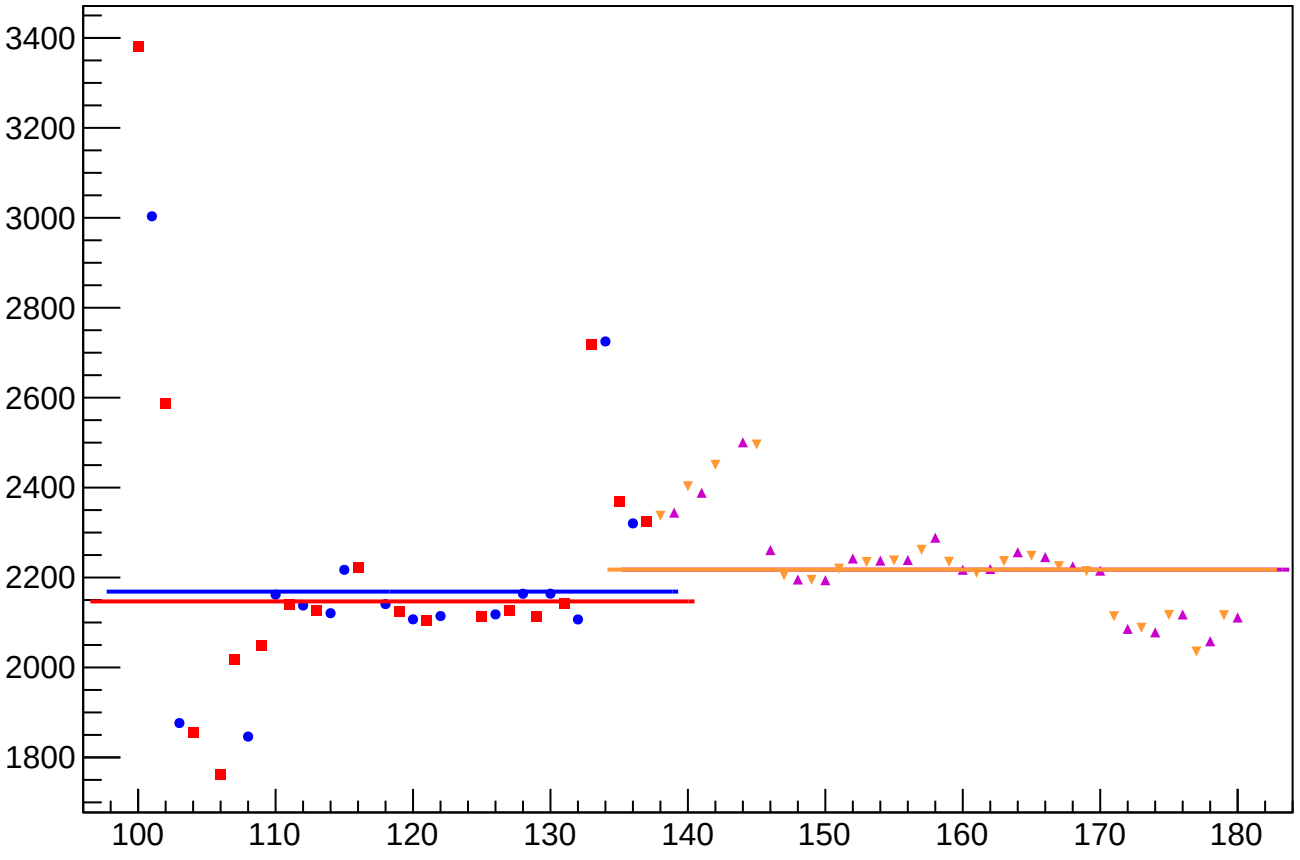
Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: -5087.615+/-534.448 χ^2/NDF:13.2/20

+ sign 3455.436+/-451.894 χ^2/NDF: 44.3/36

All: -701.027+/-317.408 χ^2/NDF: 238.8/75

- sign -4748.511+/-445.931 χ^2/NDF: 27.5/38



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2217.617+/-0.384 χ^2/NDF:74128.0/20

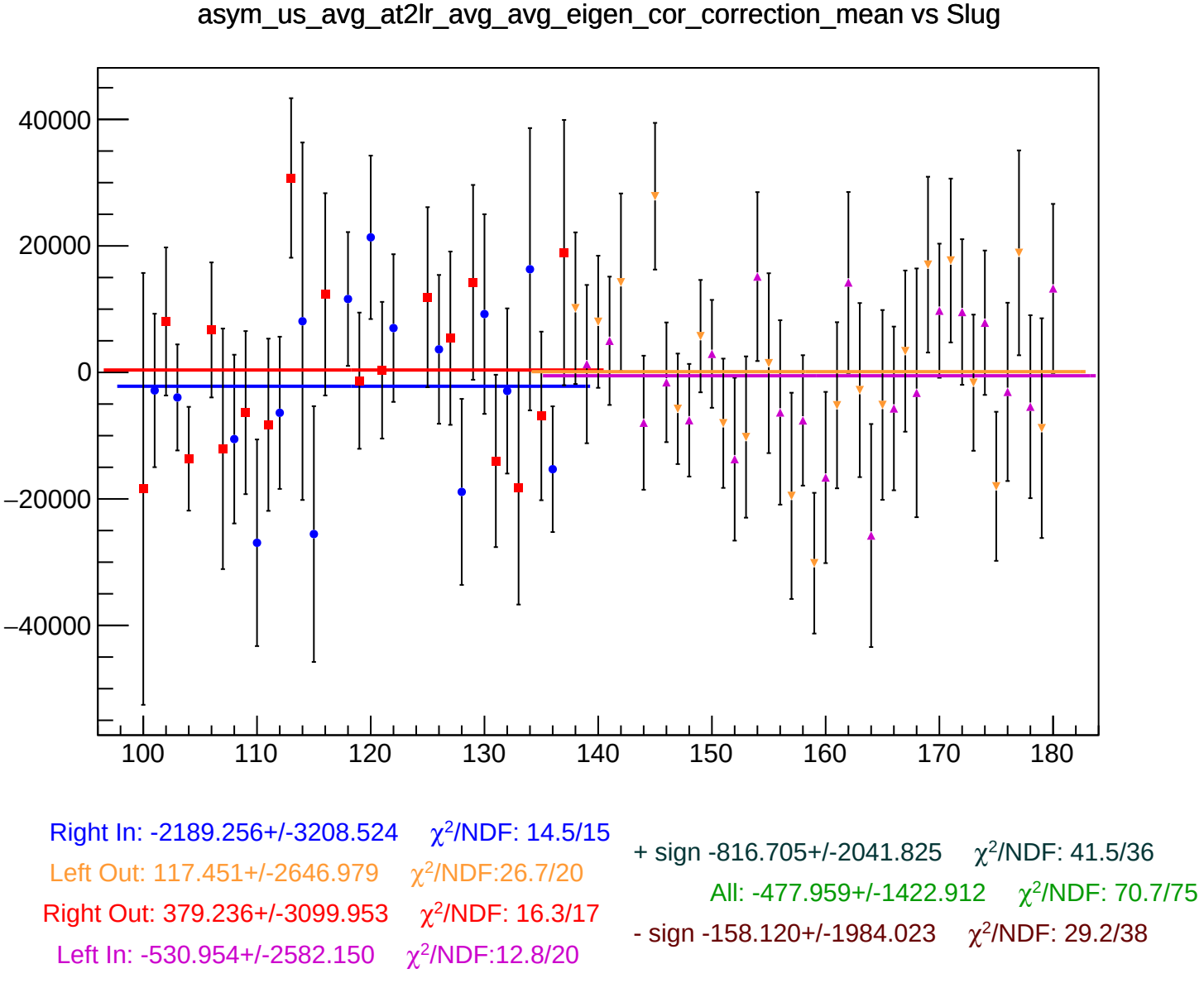
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

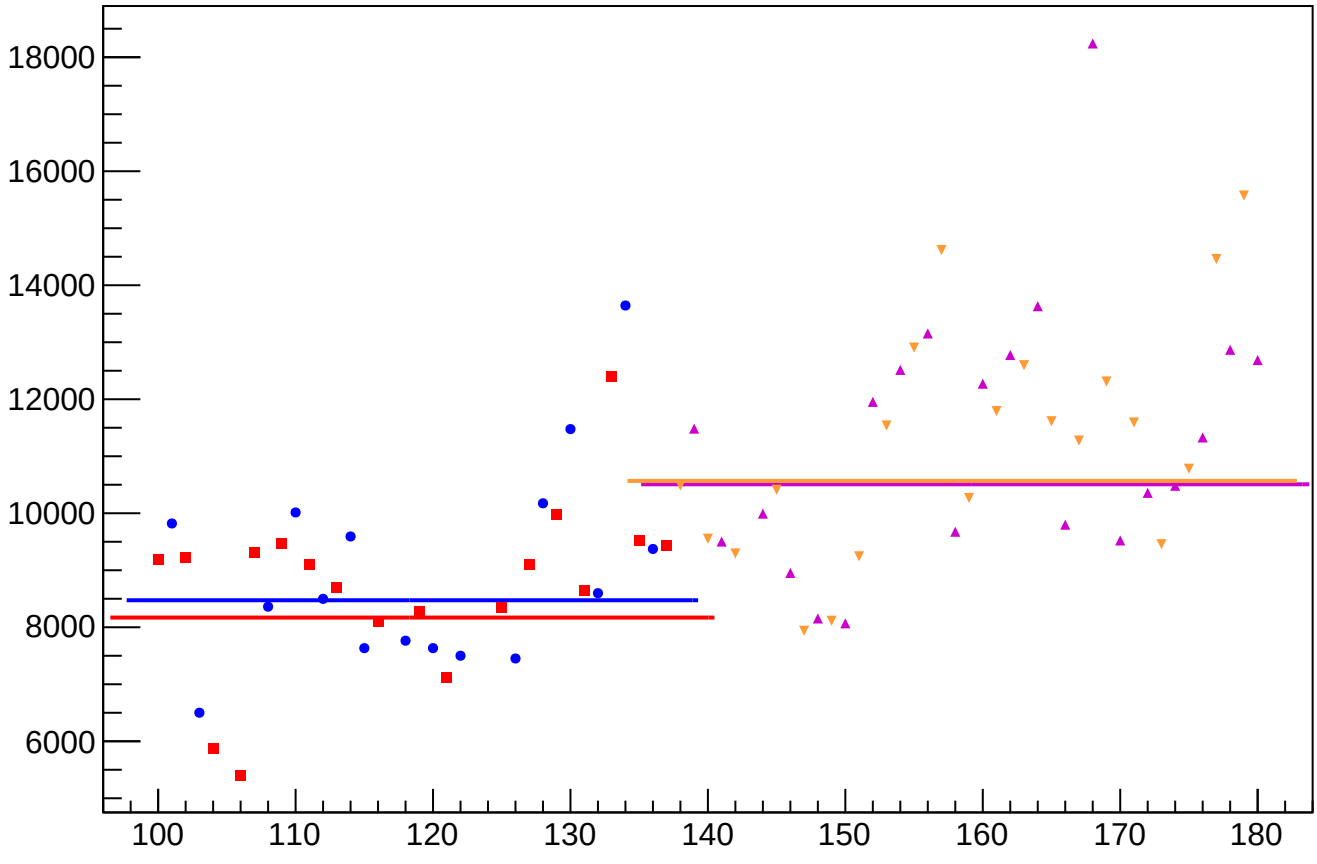
Left In: 2217.551+/-0.378 χ^2/NDF:72190.3/20

+ sign 2202.491+/-0.320 χ^2/NDF: 274791.4/36

All: 2199.164+/-0.224 χ^2/NDF: 515642.1/75

- sign 2195.933+/-0.315 χ^2/NDF: 240637.0/38


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: 117.451+/-2646.979 χ²/NDF:26.7/20
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -530.954+/-2582.150 χ²/NDF:12.8/20
+ sign -816.705+/-2041.825 χ²/NDF: 41.5/36
All: -477.959+/-1422.912 χ²/NDF: 70.7/75
- sign -158.120+/-1984.023 χ²/NDF: 29.2/38



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10567.798+/-1.872 χ^2/NDF:1018148.4/20

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

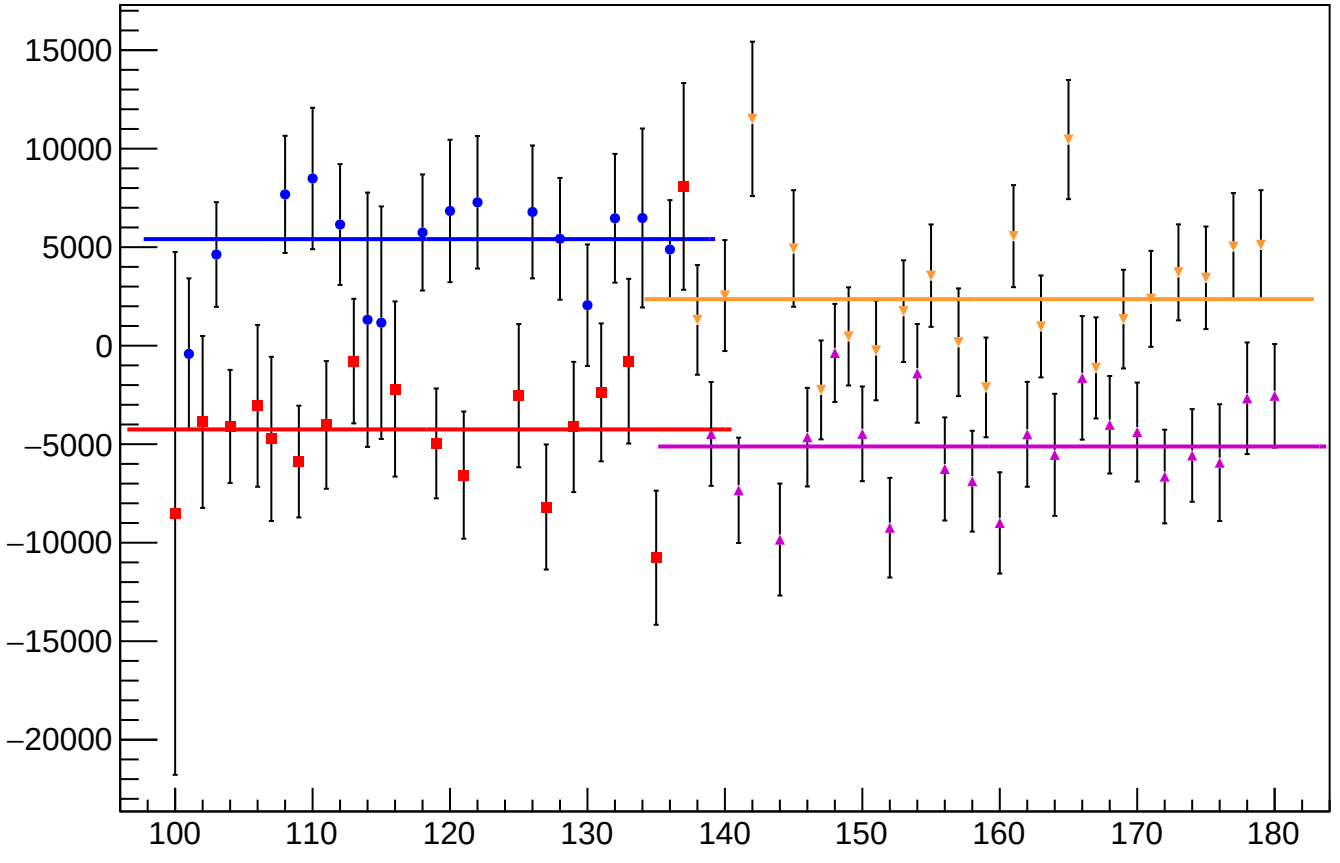
Left In: 10508.016+/-1.826 χ^2/NDF:1136540.8/20

+ sign 9719.761+/-1.444 χ^2/NDF: 1954607.1/36

All: 9632.611+/-1.006 χ^2/NDF: 4309795.1/75

- sign 9550.325+/-1.403 χ^2/NDF: 2348104.2/38

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2362.423+/-580.415 χ^2/NDF:28.8/20

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

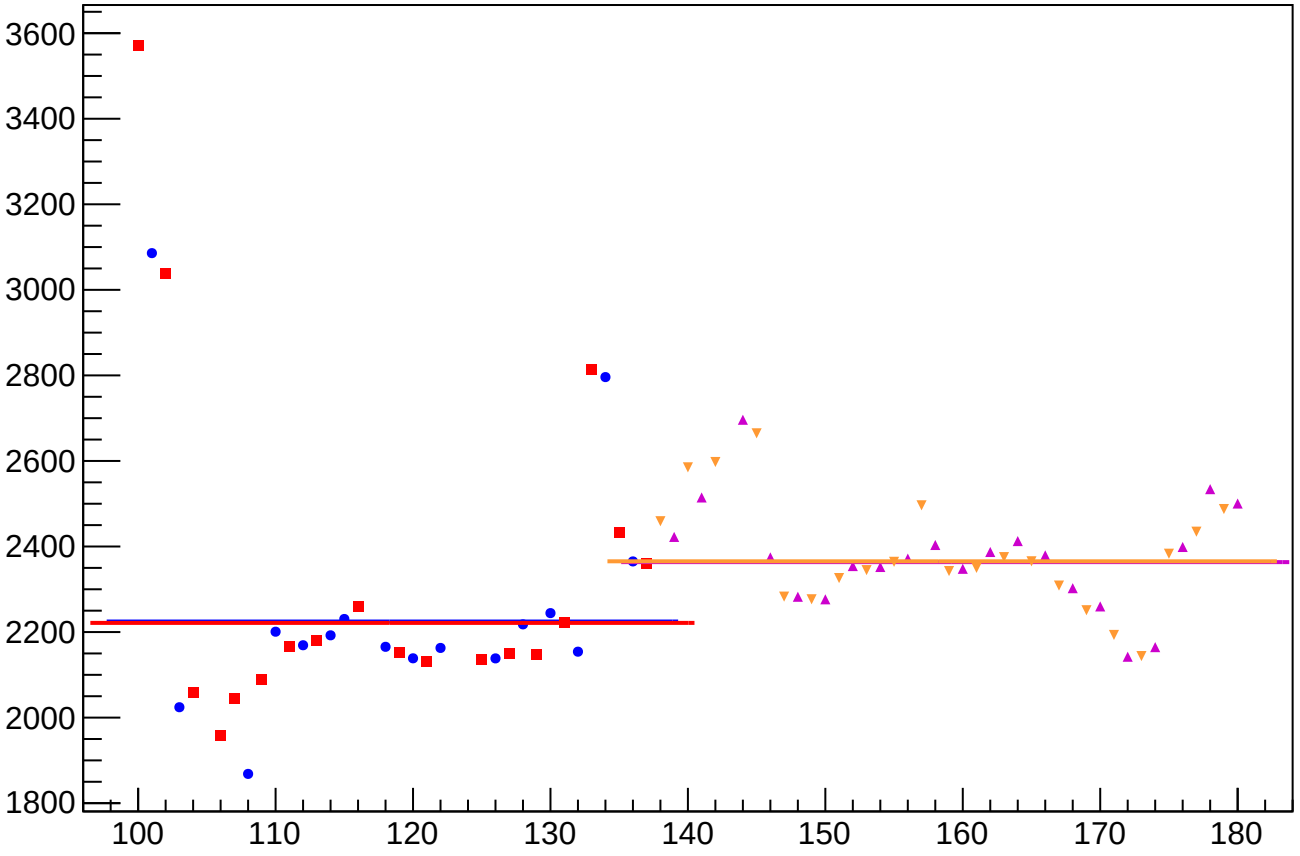
Left In: -5117.249+/-570.052 χ^2/NDF:18.9/20

+ sign 3356.643+/-476.343 χ^2/NDF: 44.6/36

All: -784.672+/-335.126 χ^2/NDF: 228.3/75

- 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: 2365.396+/-0.410 χ^2/NDF:89010.5/20

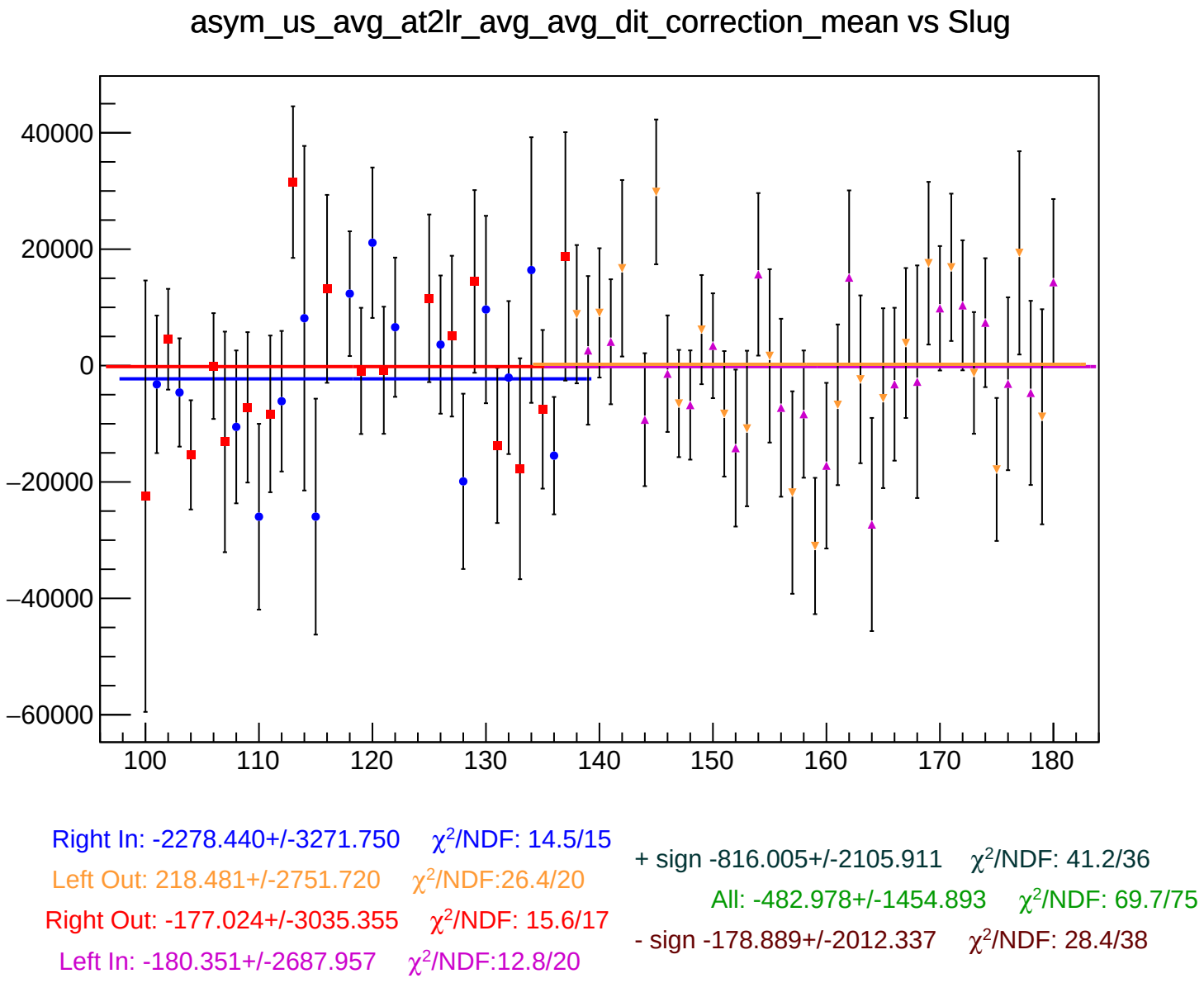
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

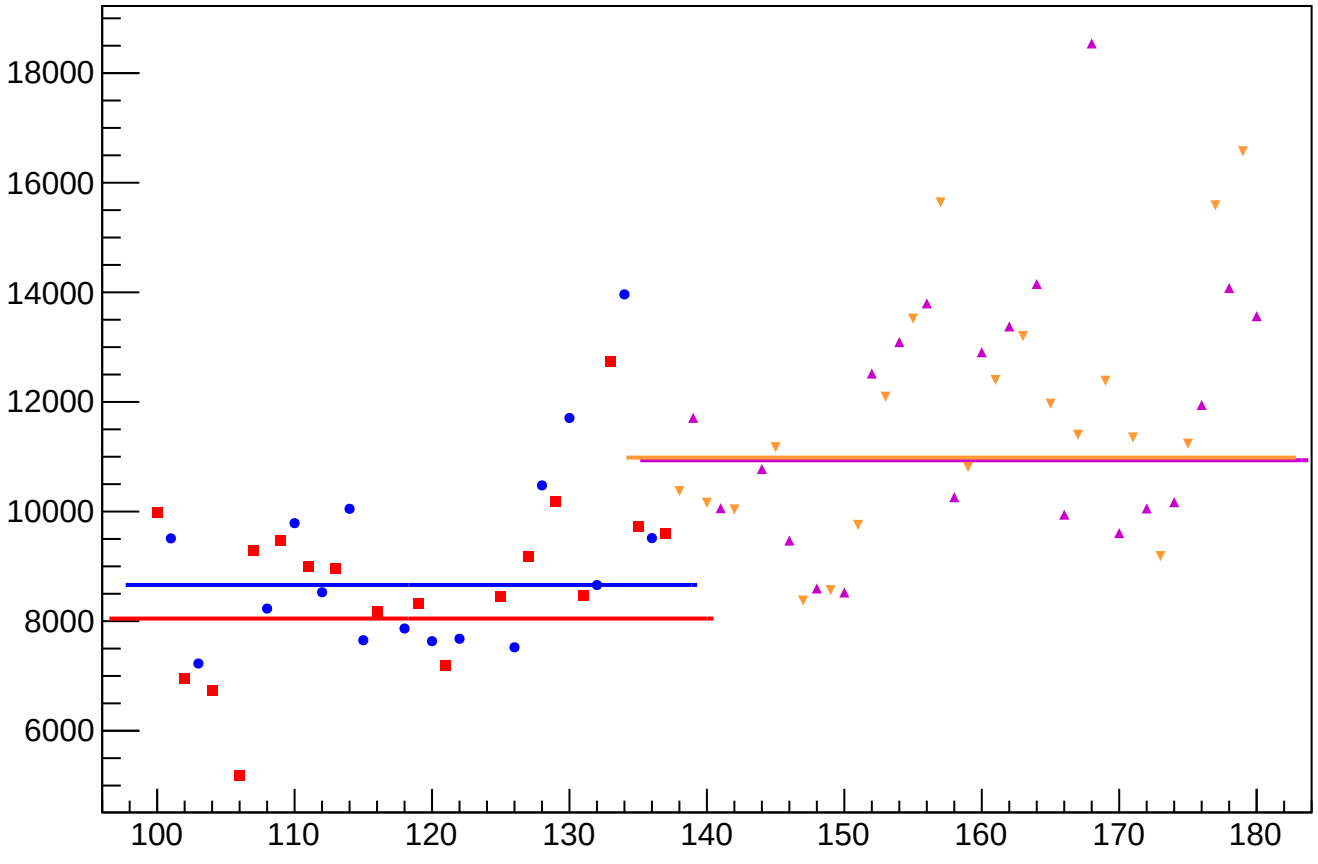
Left In: 2363.496+/-0.403 χ^2/NDF:90147.0/20

+ sign 2319.436+/-0.337 χ^2/NDF: 312103.4/36

All: 2319.020+/-0.237 χ^2/NDF: 611444.6/75

- sign 2318.612+/-0.333 χ^2/NDF: 299338.2/38


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
180
Right In: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: 218.481+/-2751.720 χ²/NDF:26.4/20
Right Out: -177.024+/-3035.355 χ²/NDF: 15.6/17
Left In: -180.351+/-2687.957 χ²/NDF:12.8/20
+ sign -816.005+/-2105.911 χ²/NDF: 41.2/36
All: -482.978+/-1454.893 χ²/NDF: 69.7/75
- sign -178.889+/-2012.337 χ²/NDF: 28.4/38



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10984.378+/-1.946 χ^2/NDF:1041784.1/20

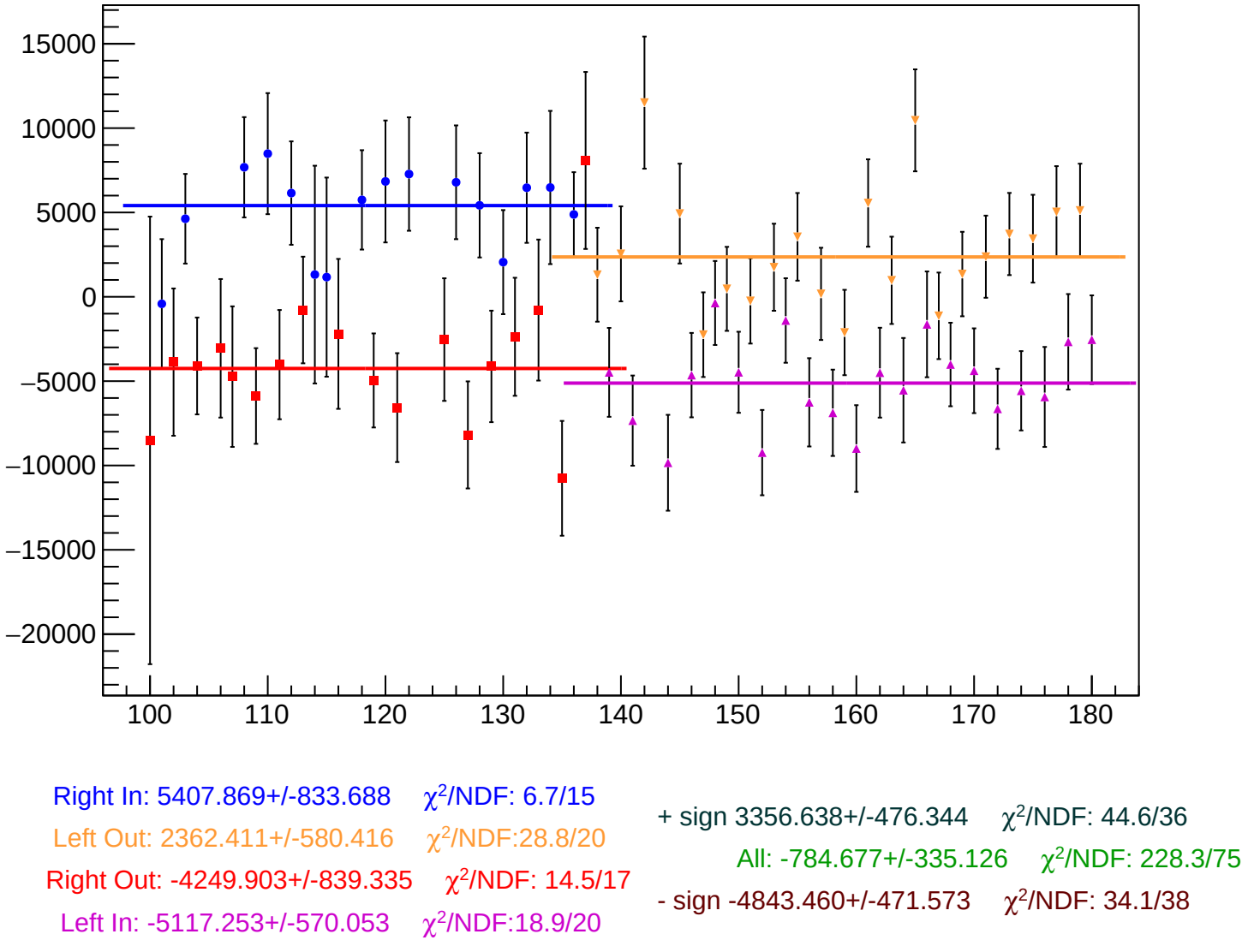
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10936.307+/-1.901 χ^2/NDF:1147427.5/20

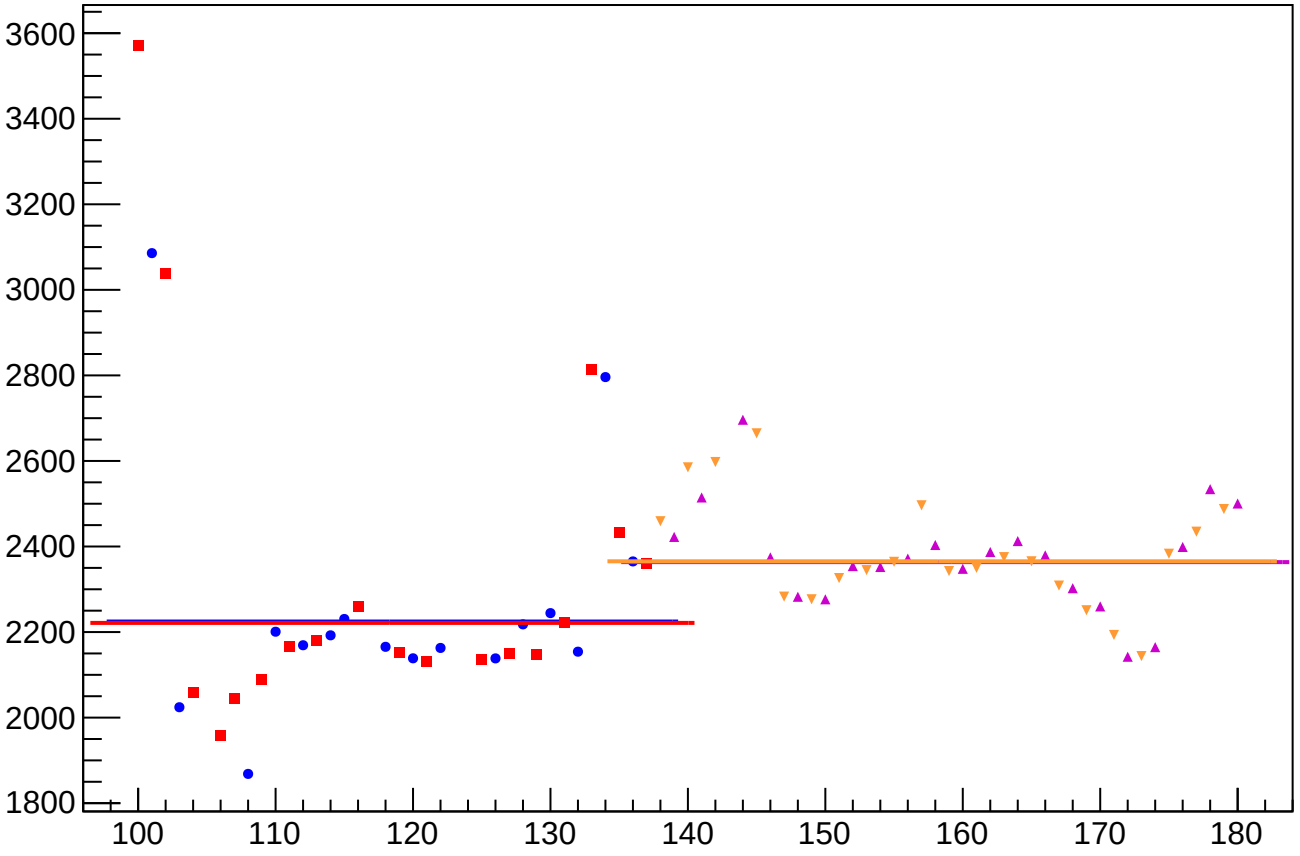
+ sign 10021.681+/-1.489 χ^2/NDF: 1990601.5/36

All: 9836.071+/-1.029 χ^2/NDF: 4741665.0/75

- sign 9666.590+/-1.423 χ^2/NDF: 2721340.6/38


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 5407.869+/-833.688 χ²/NDF: 6.7/15
Left Out: 2362.411+/-580.416 χ²/NDF:28.8/20
Right Out: -4249.903+/-839.335 χ²/NDF: 14.5/17
Left In: -5117.253+/-570.053 χ²/NDF:18.9/20
+ sign 3356.638+/-476.344 χ²/NDF: 44.6/36
All: -784.677+/-335.126 χ²/NDF: 228.3/75
- sign -4843.460+/-471.573 χ²/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: 2365.399+/-0.410 χ^2/NDF:89015.0/20

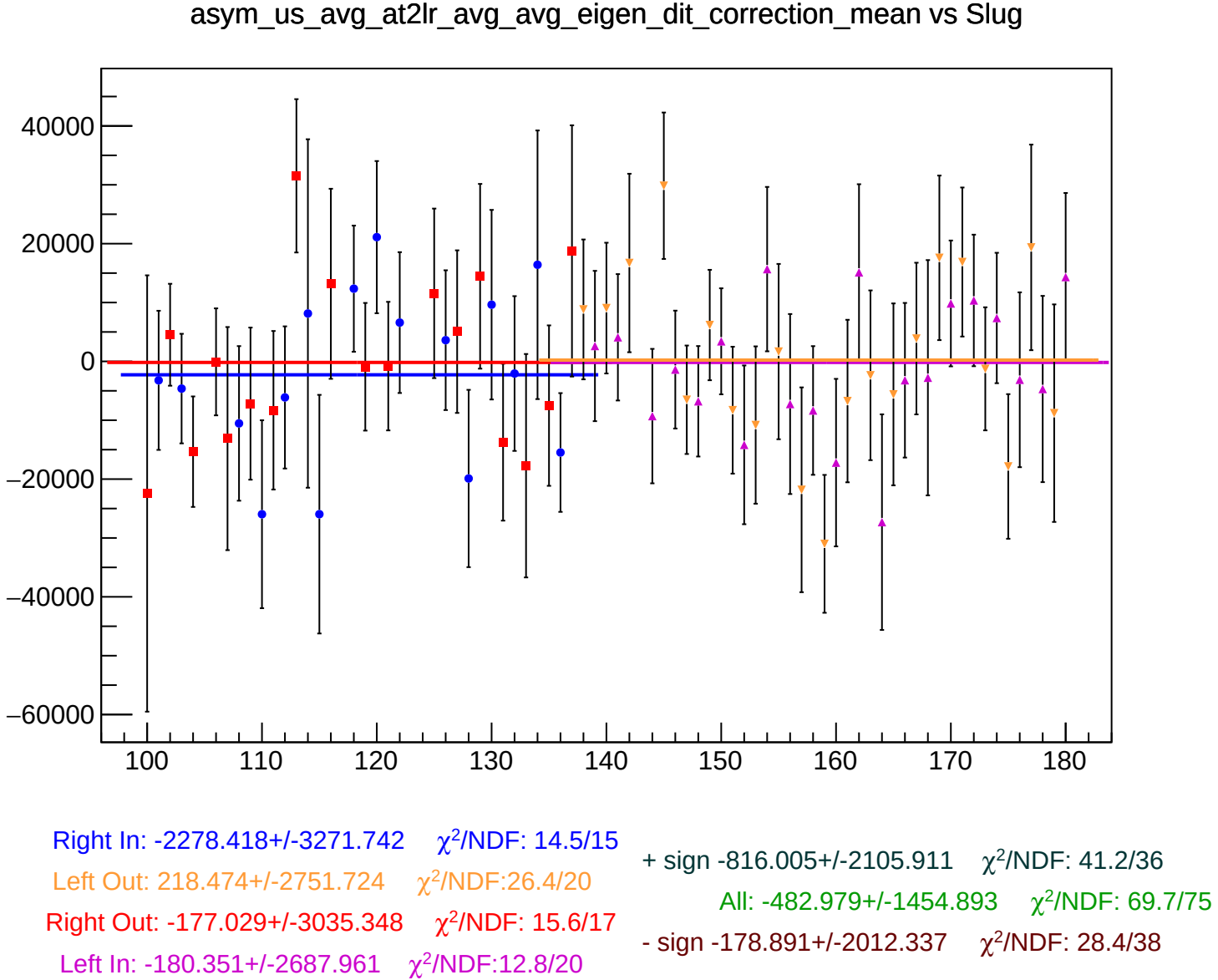
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

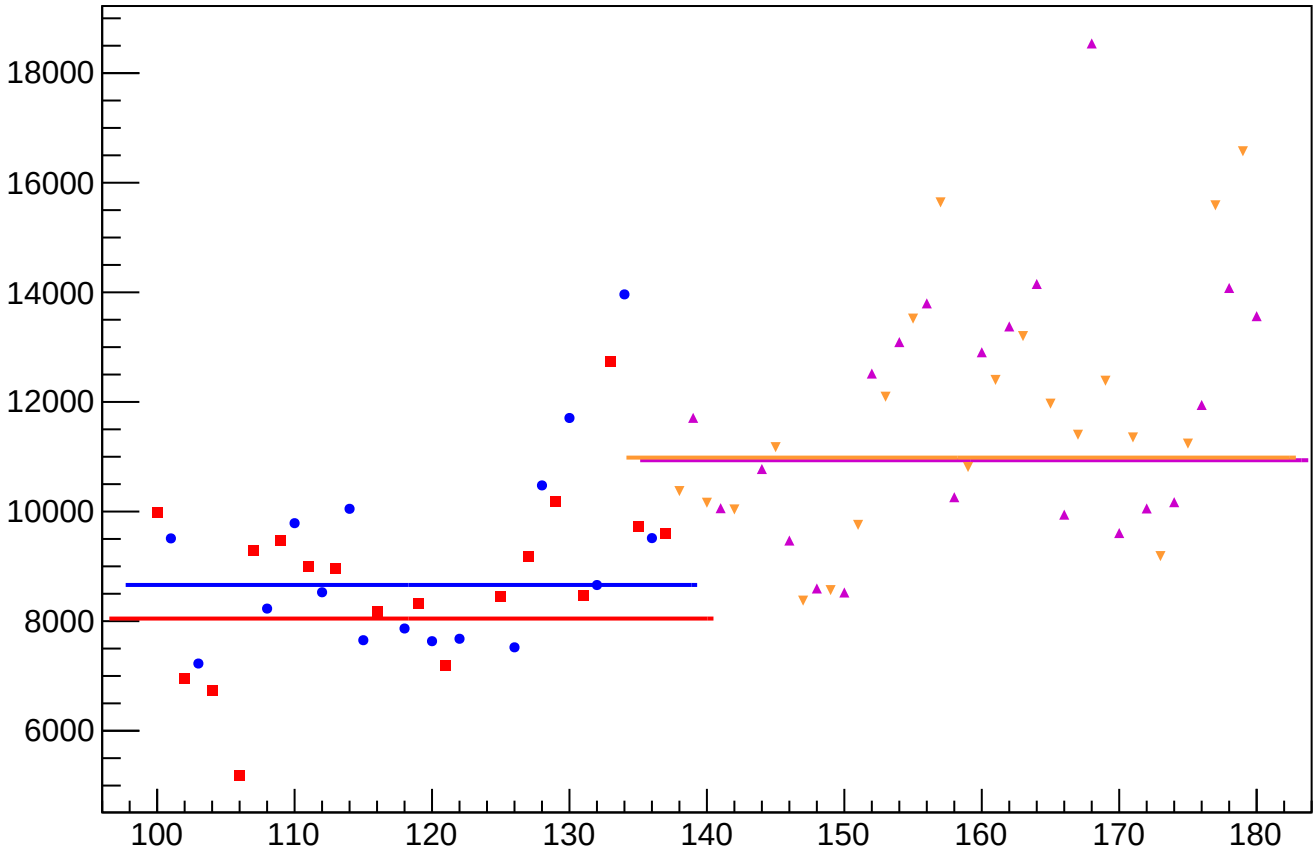
Left In: 2363.500+/-0.403 χ^2/NDF:90151.6/20

+ sign 2319.438+/-0.337 χ^2/NDF: 312110.4/36

All: 2319.021+/-0.237 χ^2/NDF: 611458.4/75

- sign 2318.614+/-0.333 χ^2/NDF: 299345.0/38


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
180
Right In: -2278.418+/-3271.742 χ²/NDF: 14.5/15
Left Out: 218.474+/-2751.724 χ²/NDF:26.4/20
Right Out: -177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: -180.351+/-2687.961 χ²/NDF:12.8/20
+ sign -816.005+/-2105.911 χ²/NDF: 41.2/36
All: -482.979+/-1454.893 χ²/NDF: 69.7/75
- sign -178.891+/-2012.337 χ²/NDF: 28.4/38



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10984.396+/-1.946 χ^2/NDF:1041786.7/20

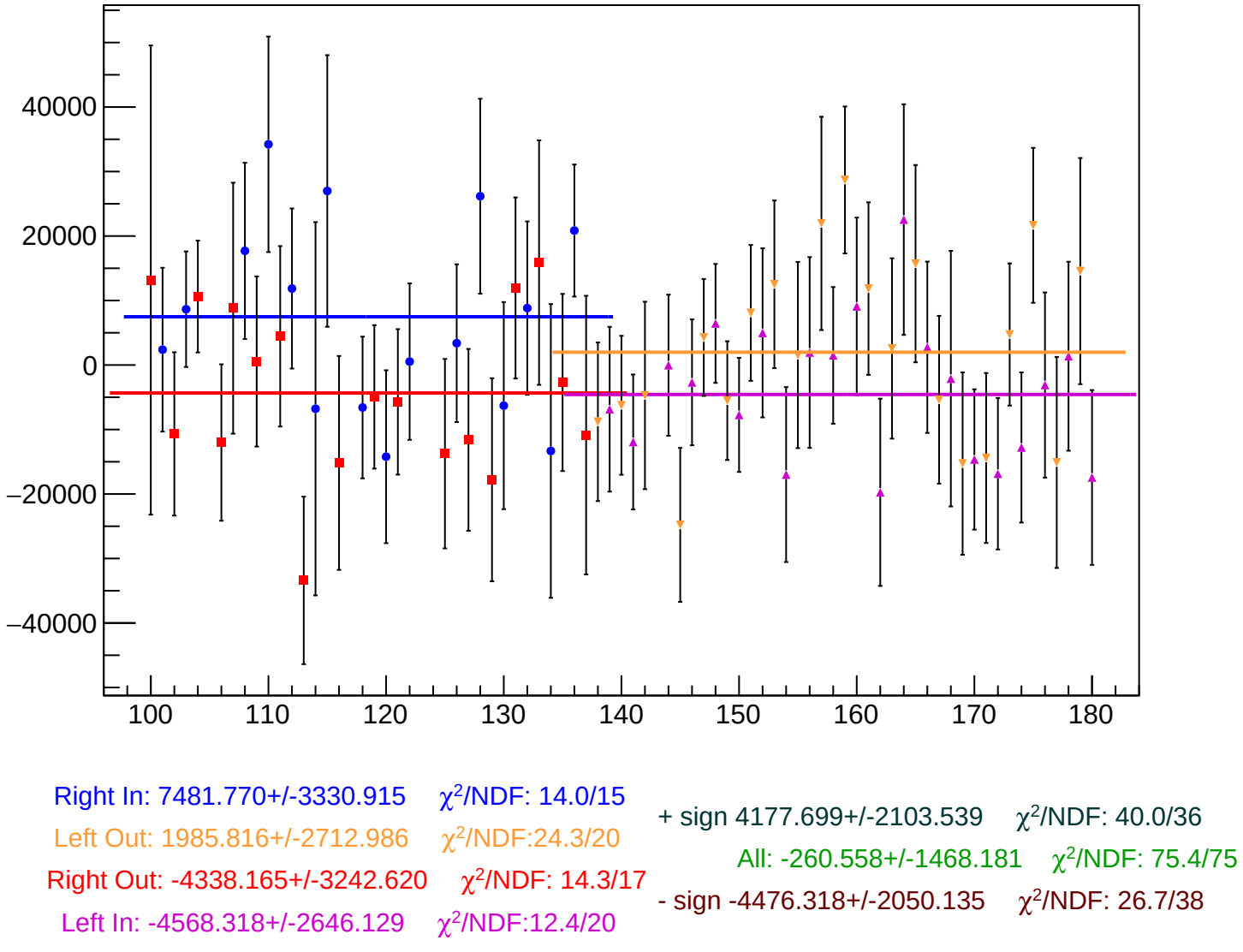
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10936.325+/-1.901 χ^2/NDF:1147430.8/20

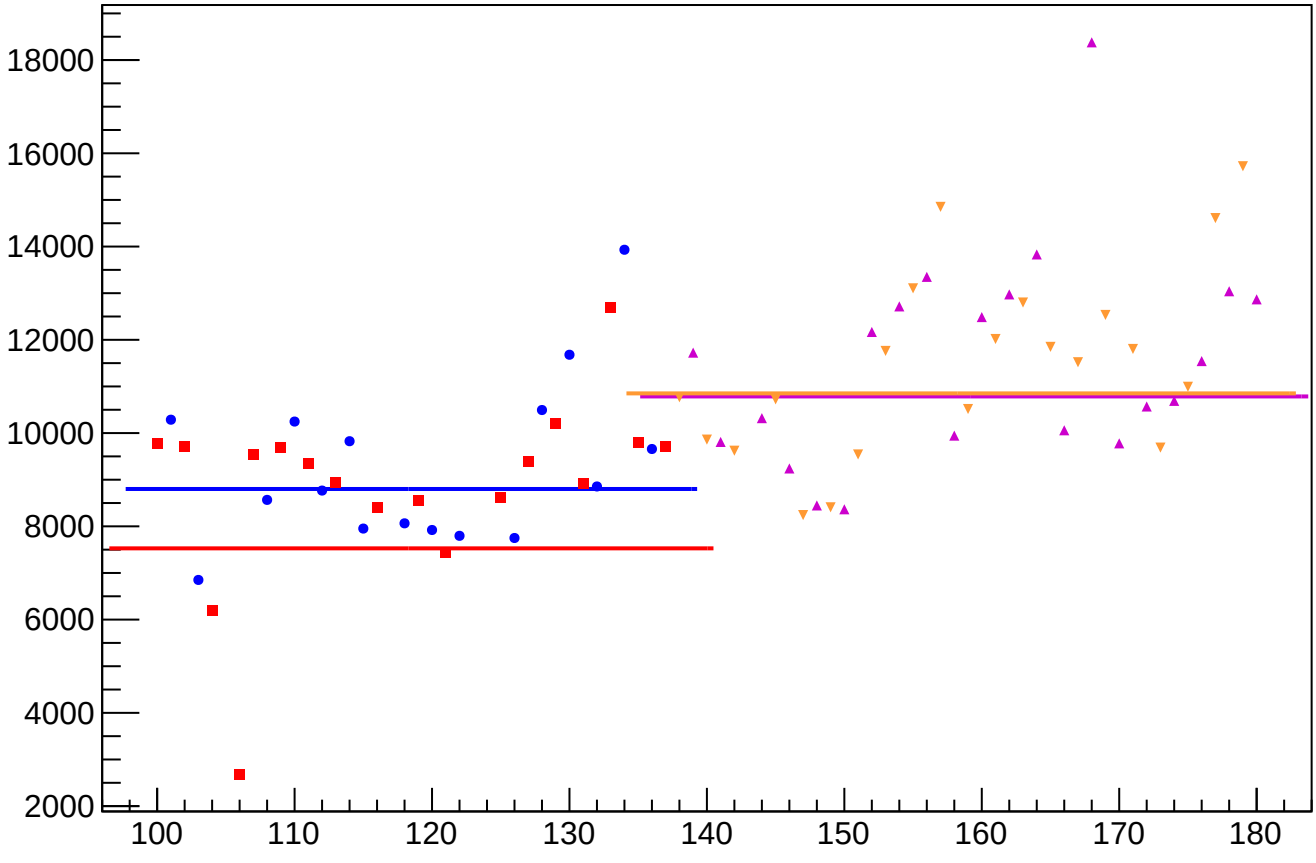
+ sign 10021.678+/-1.489 χ^2/NDF: 1990627.1/36

All: 9836.068+/-1.029 χ^2/NDF: 4741718.1/75

- sign 9666.586+/-1.423 χ^2/NDF: 2721368.0/38


asym_us_avg_at2lr_avg_avg_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: 7481.770+/-3330.915 χ²/NDF: 14.0/15
Left Out: 1985.816+/-2712.986 χ²/NDF:24.3/20
Right Out: -4338.165+/-3242.620 χ²/NDF: 14.3/17
Left In: -4568.318+/-2646.129 χ²/NDF:12.4/20
+ sign 4177.699+/-2103.539 χ²/NDF: 40.0/36
All: -260.558+/-1468.181 χ²/NDF: 75.4/75
- sign -4476.318+/-2050.135 χ²/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: 10851.078+/-1.918 χ^2/NDF:935568.1/20

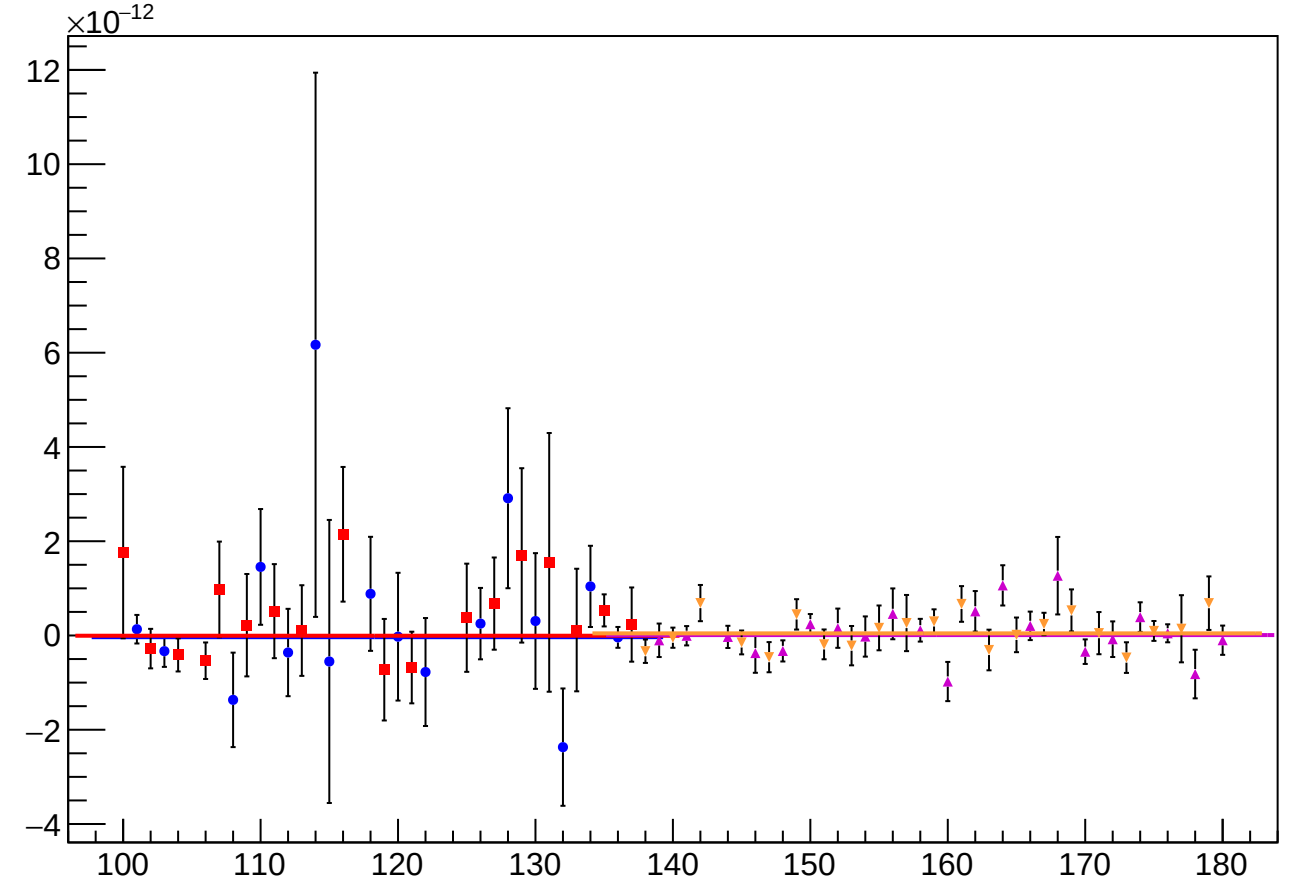
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10785.710+/-1.871 χ^2/NDF:1047781.2/20

+ sign 10033.489+/-1.487 χ^2/NDF: 1785576.2/36

All: 9680.499+/-1.021 χ^2/NDF: 5918908.5/75

- sign 9365.429+/-1.405 χ^2/NDF: 4026743.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/20

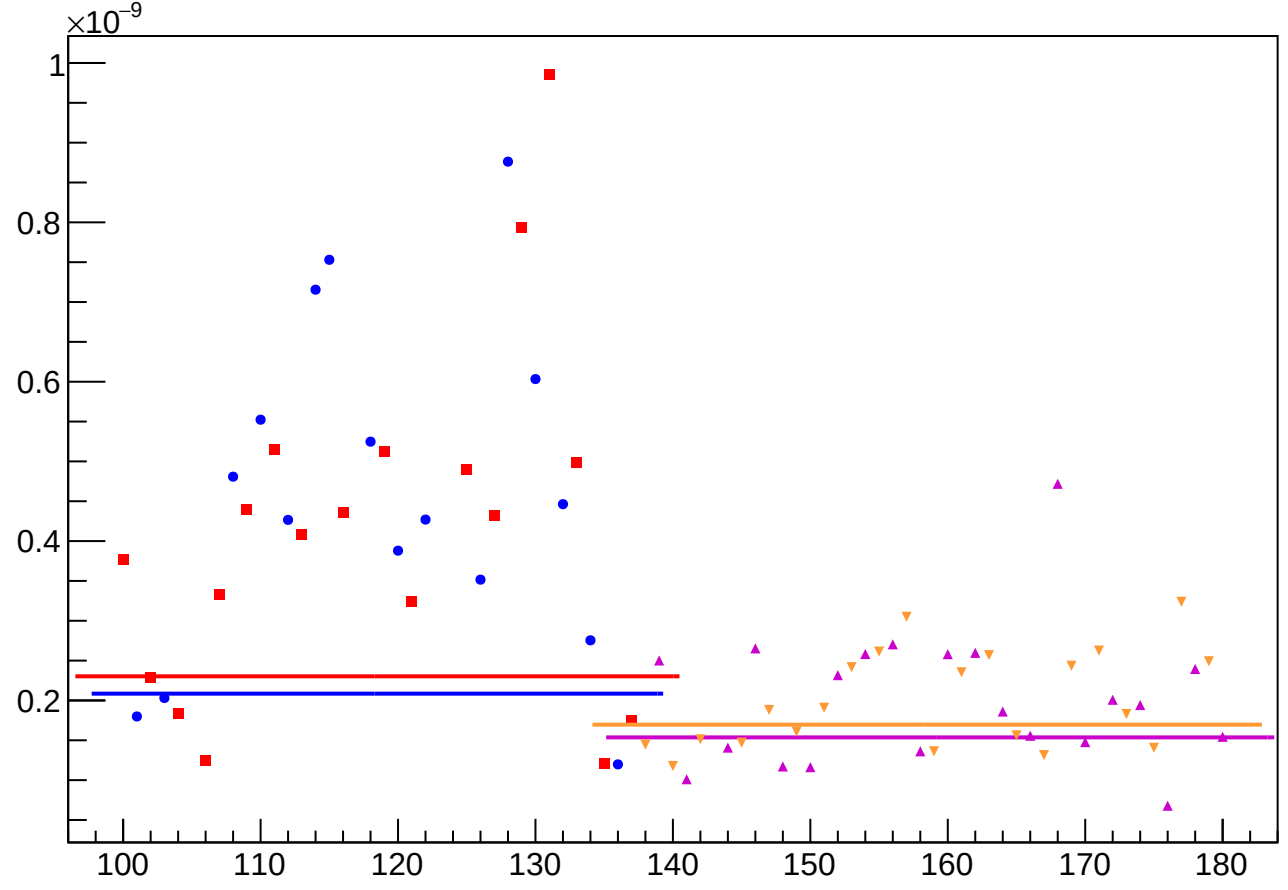
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:27.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 35.8/36

All: 0.000+/-0.000 χ^2/NDF: 76.9/75

- sign 0.000+/-0.000 χ^2/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:958673.6/20

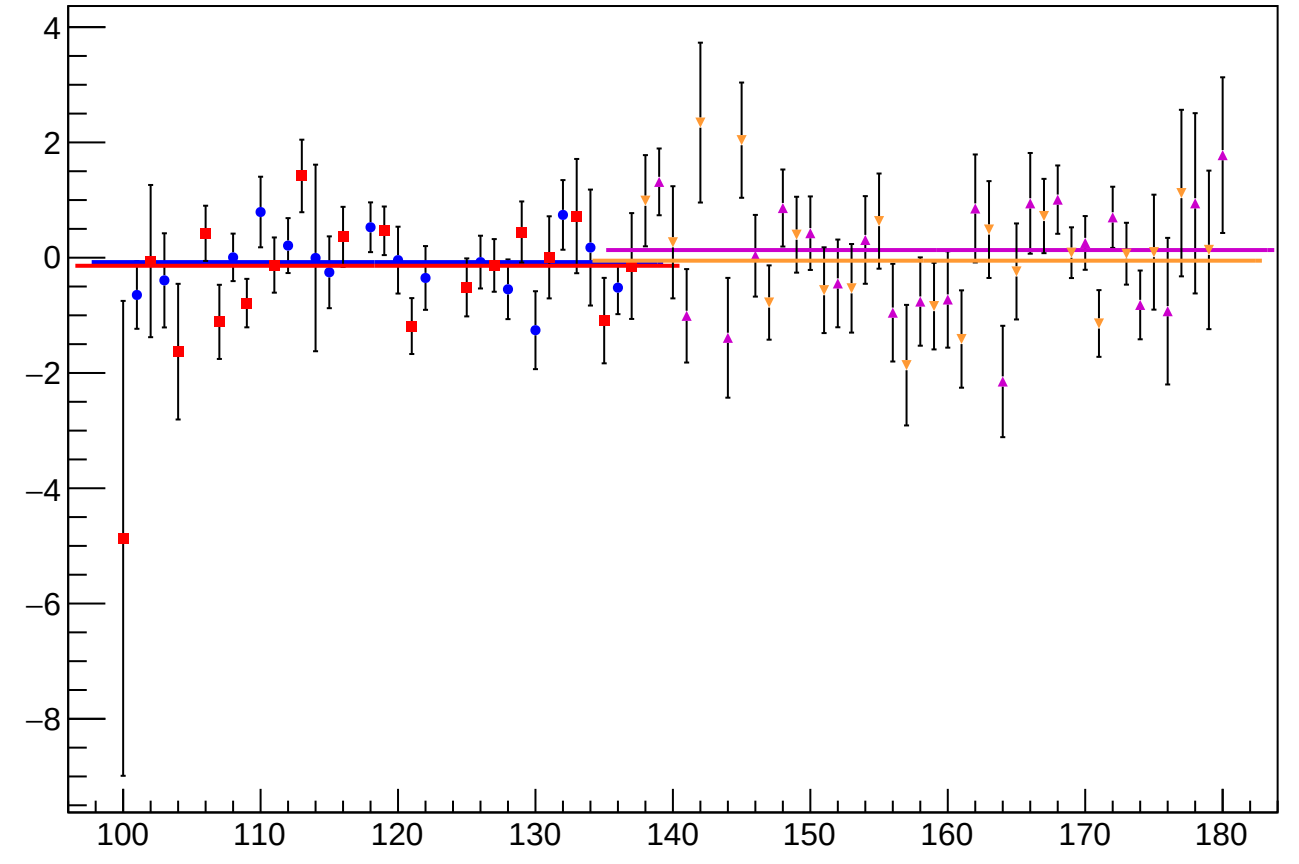
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1917182.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 2712110.5/36

All: 0.000+/-0.000 χ^2/NDF: 6637031.6/75

- 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: -0.052+/-0.165 χ^2/NDF:25.5/20

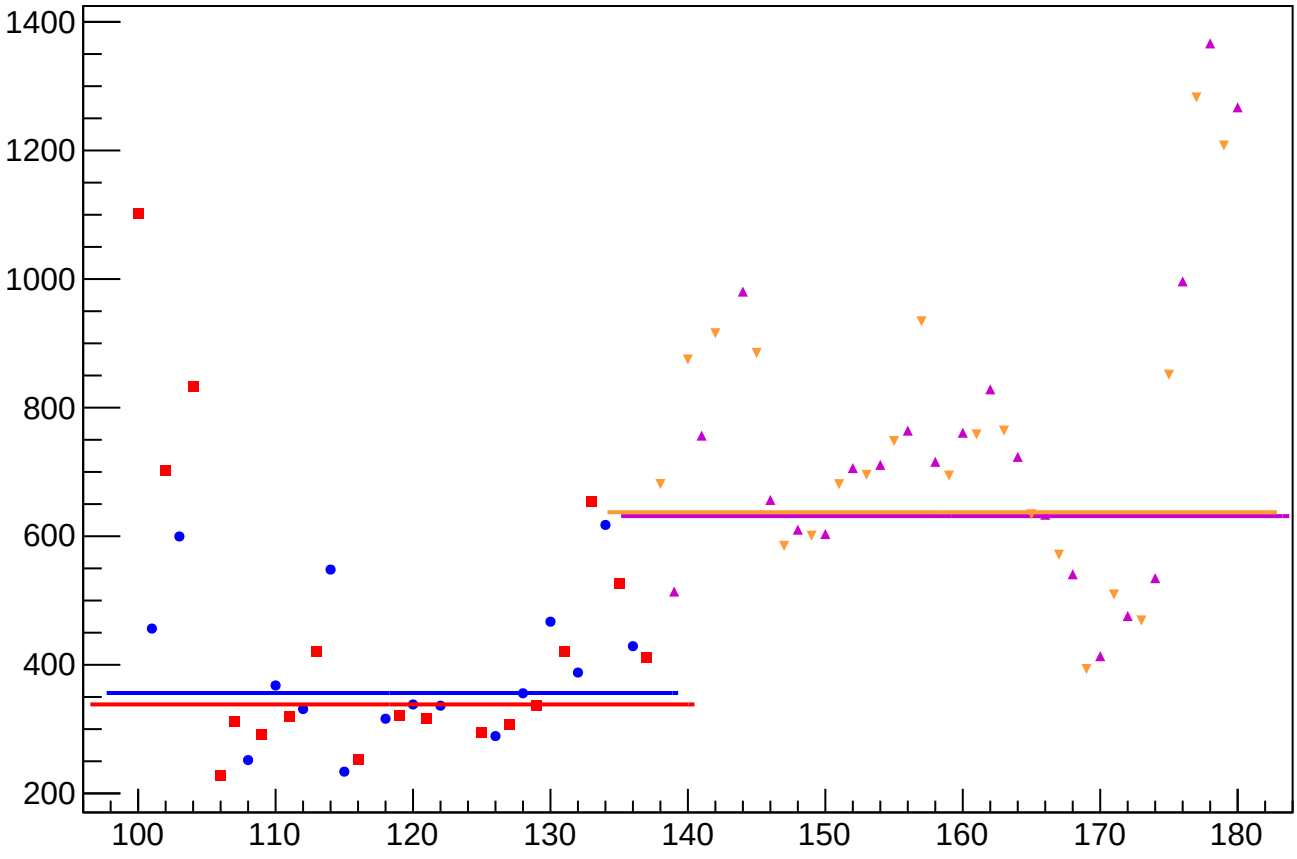
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

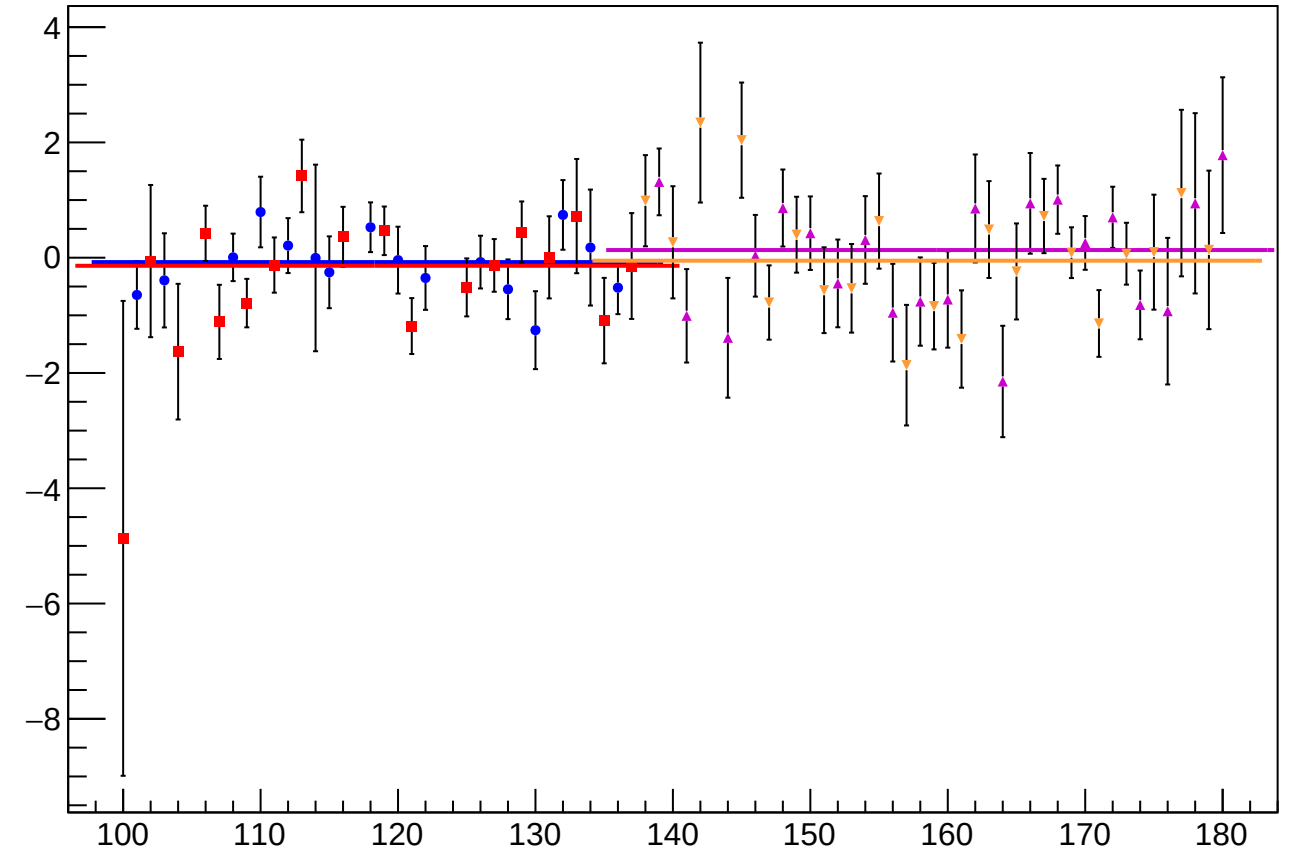
Left In: 0.133+/-0.160 χ^2/NDF:29.8/20

+ sign -0.066+/-0.107 χ^2/NDF: 38.0/36

All: -0.045+/-0.075 χ^2/NDF: 96.5/75

- sign -0.024+/-0.105 χ^2/NDF: 58.5/38


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 637.367+/-0.116 χ²/NDF:2426910.8/20
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 631.296+/-0.113 χ²/NDF:2391172.1/20
+ sign 473.994+/-0.075 χ²/NDF: 6596817.0/36
All: 468.498+/-0.053 χ²/NDF: 14042247.6/75
- sign 463.219+/-0.074 χ²/NDF: 7435015.5/38



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.052+/-0.165 χ^2/NDF:25.5/20

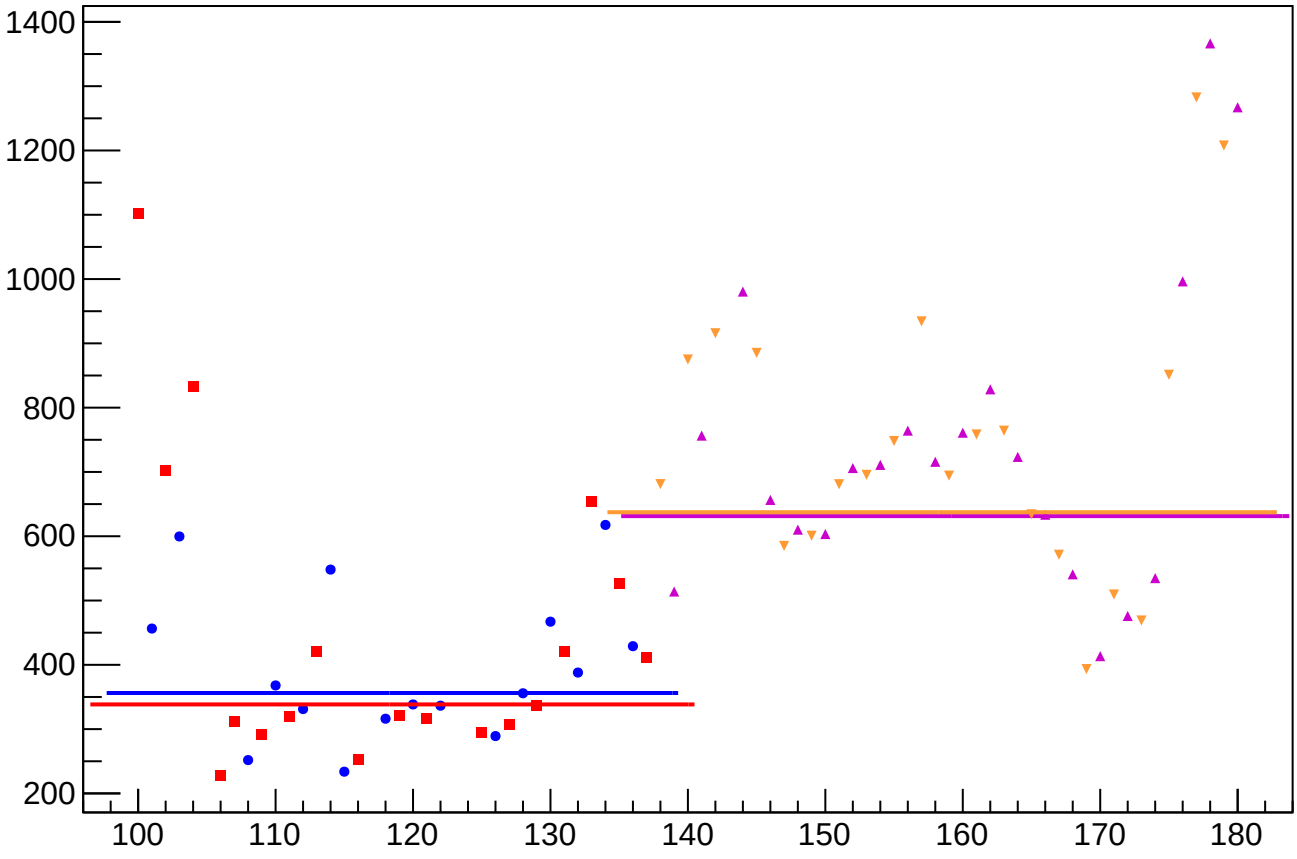
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.133+/-0.160 χ^2/NDF:29.8/20

+ sign -0.066+/-0.107 χ^2/NDF: 38.0/36

All: -0.045+/-0.075 χ^2/NDF: 96.5/75

- 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: 637.367+/-0.116 χ^2/NDF:2426910.8/20

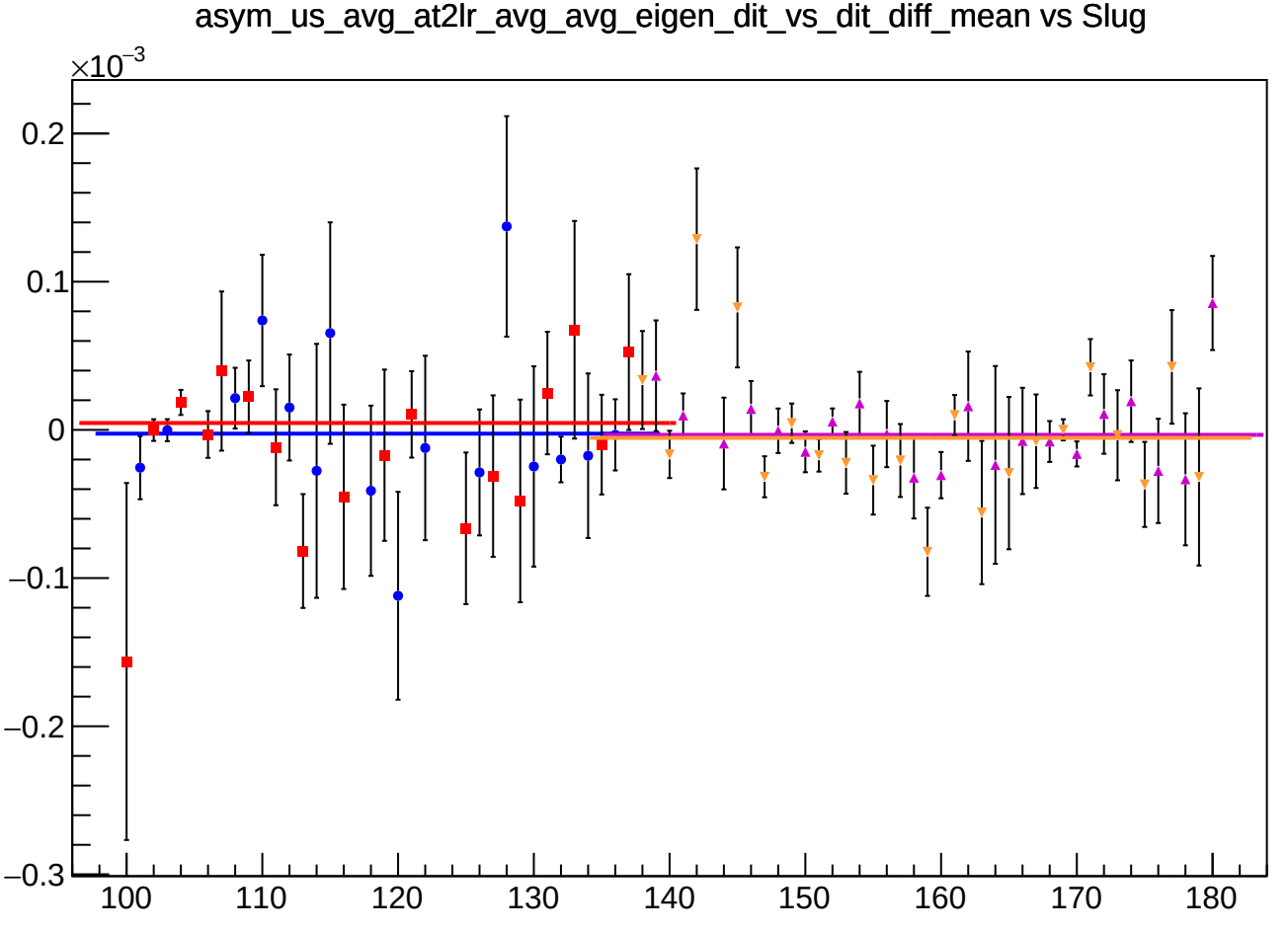
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 631.296+/-0.113 χ^2/NDF:2391172.1/20

+ sign 473.994+/-0.075 χ^2/NDF: 6596817.0/36

All: 468.498+/-0.053 χ^2/NDF: 14042247.6/75

- 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:41.4/20

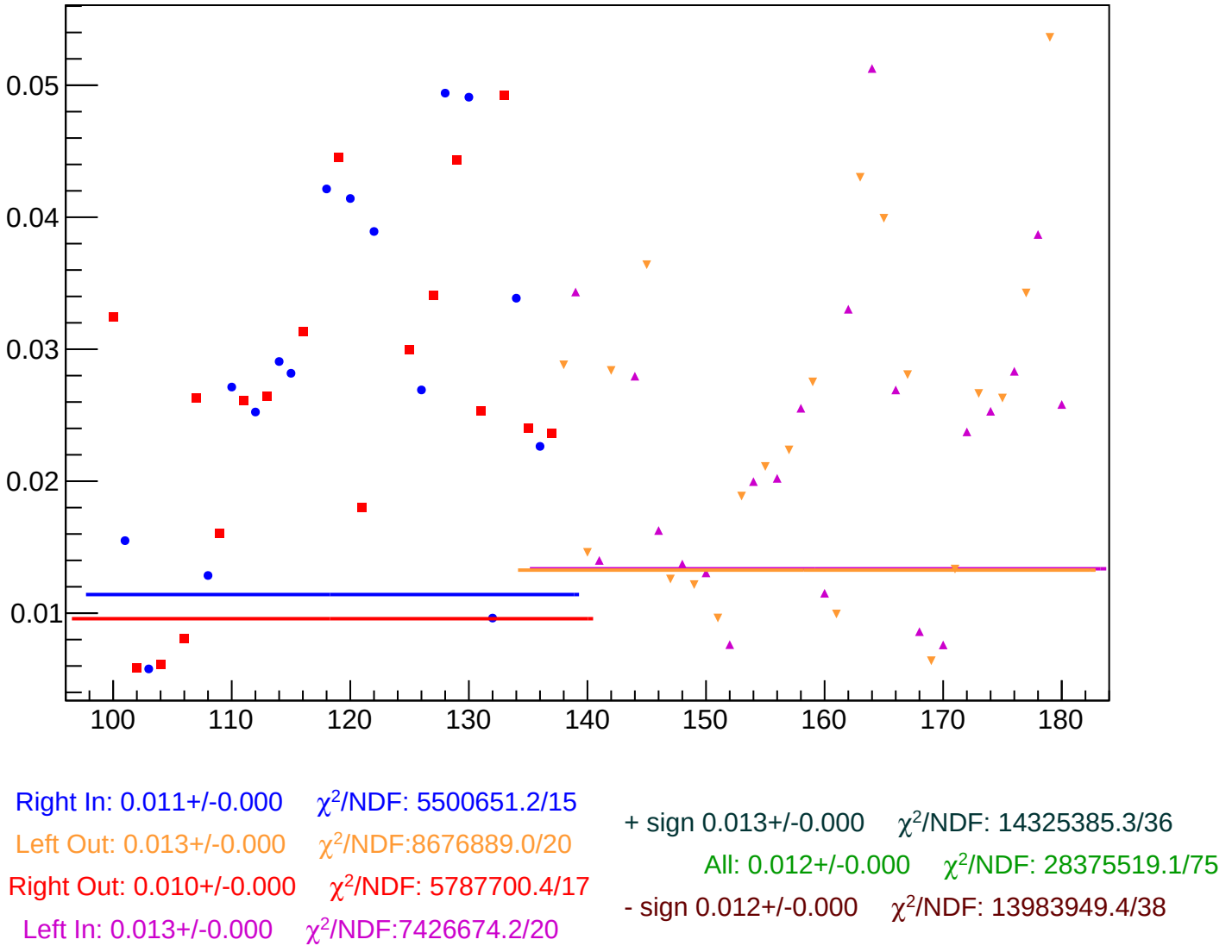
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

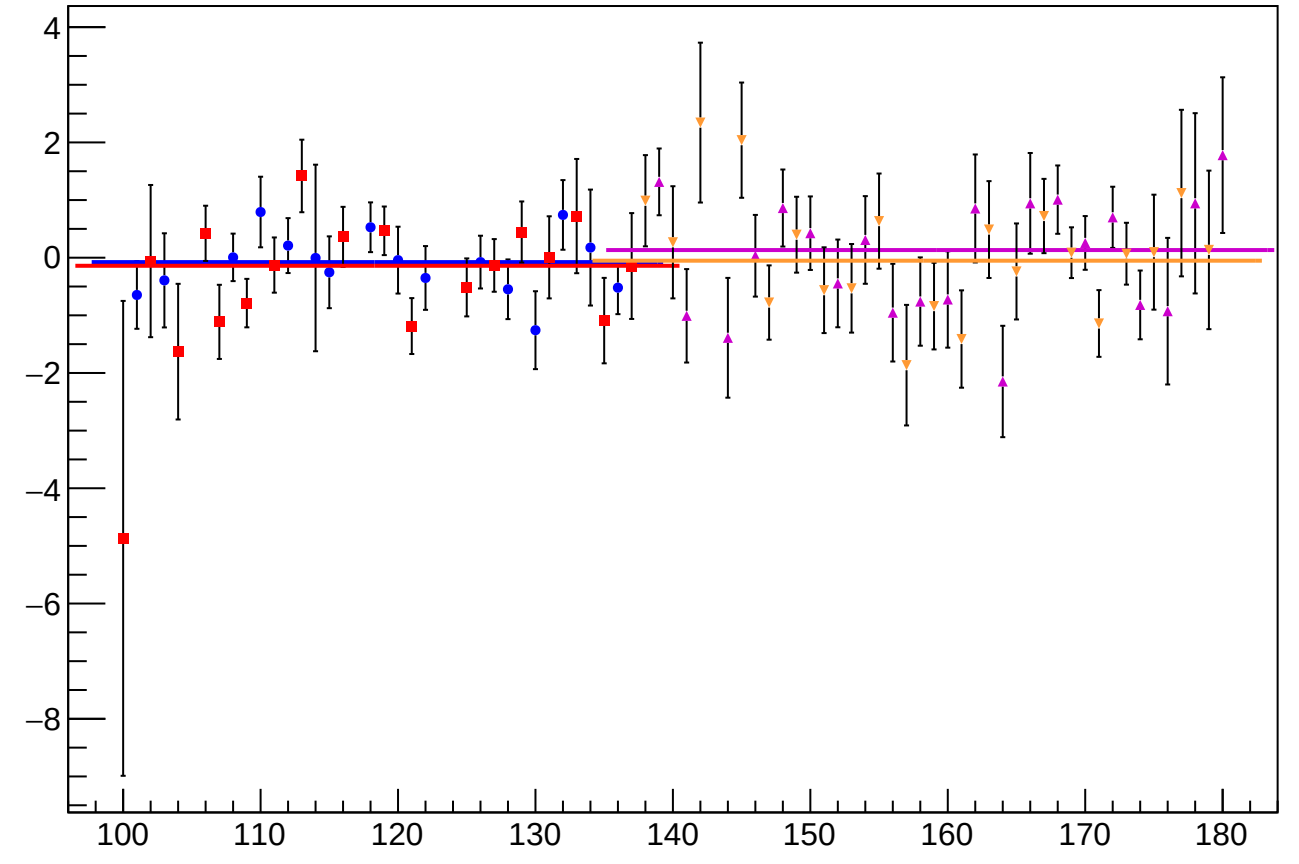
Left In: -0.000+/-0.000 χ^2/NDF:22.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 56.6/36

All: -0.000+/-0.000 χ^2/NDF: 98.6/75

- 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:8676889.0/20
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: 14325385.3/36
All: 0.012+/-0.000 χ²/NDF: 28375519.1/75
- sign 0.012+/-0.000 χ²/NDF: 13983949.4/38



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.052+/-0.165 χ^2/NDF:25.5/20

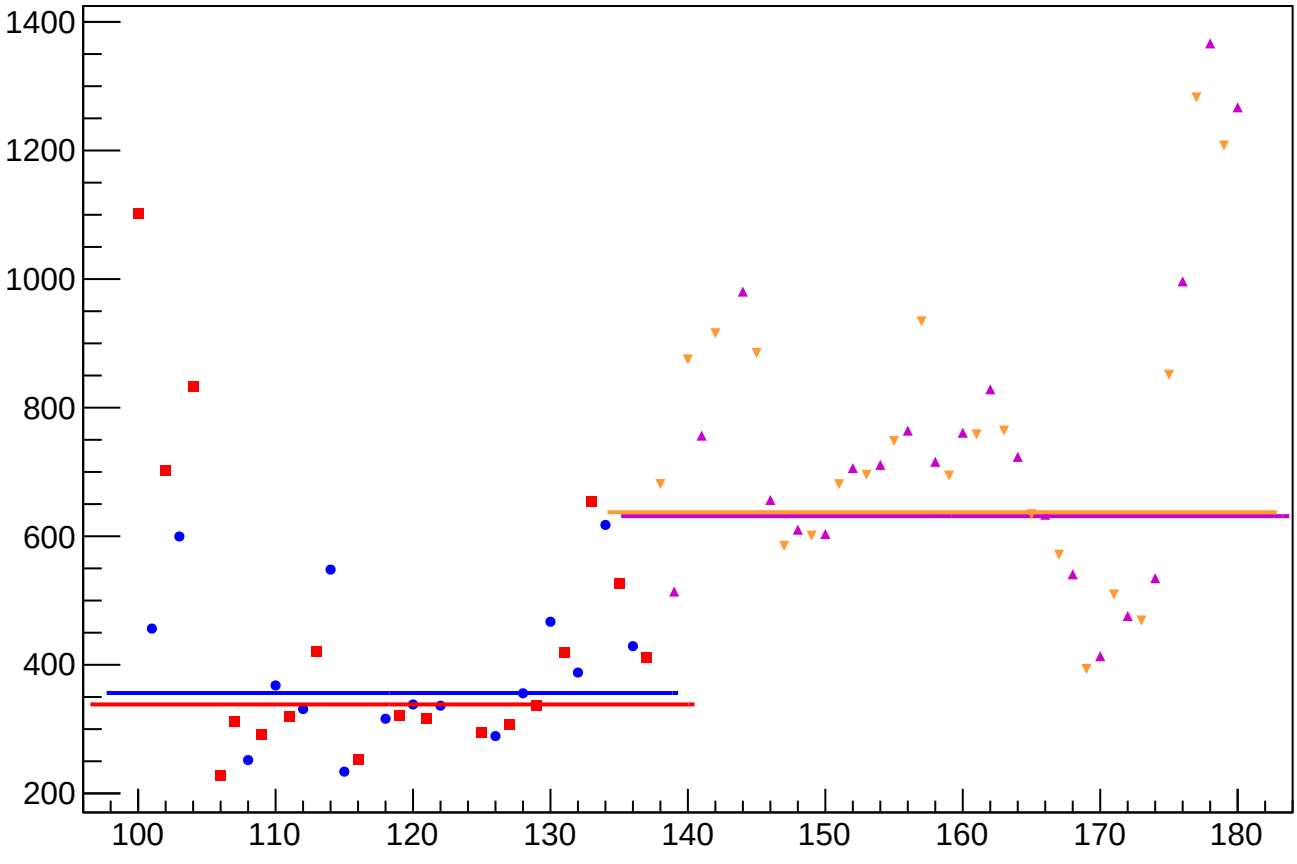
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.133+/-0.160 χ^2/NDF:29.8/20

+ sign -0.066+/-0.107 χ^2/NDF: 38.0/36

All: -0.045+/-0.075 χ^2/NDF: 96.5/75

- 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: 637.367+/-0.116 χ^2/NDF:2427119.1/20

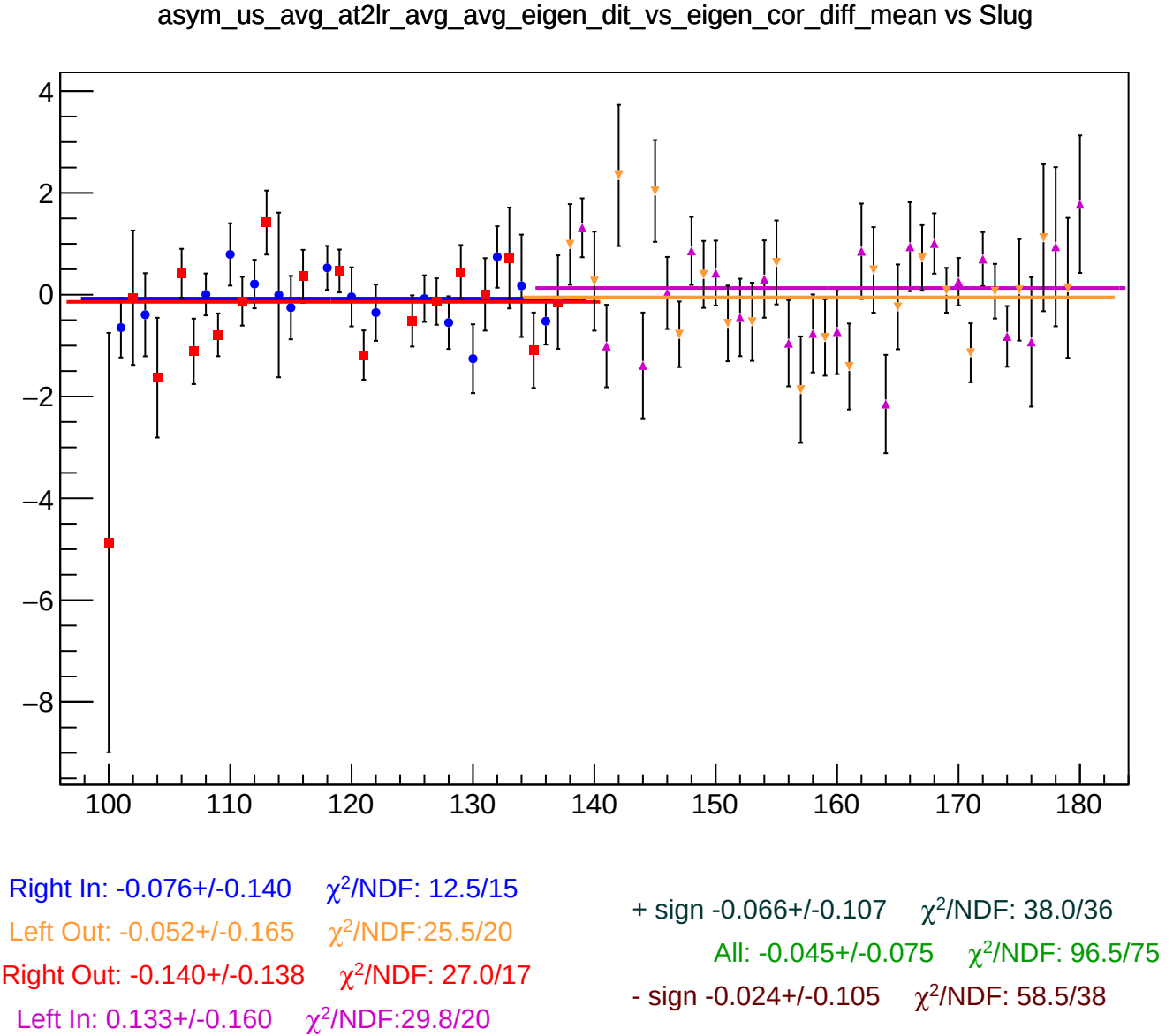
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

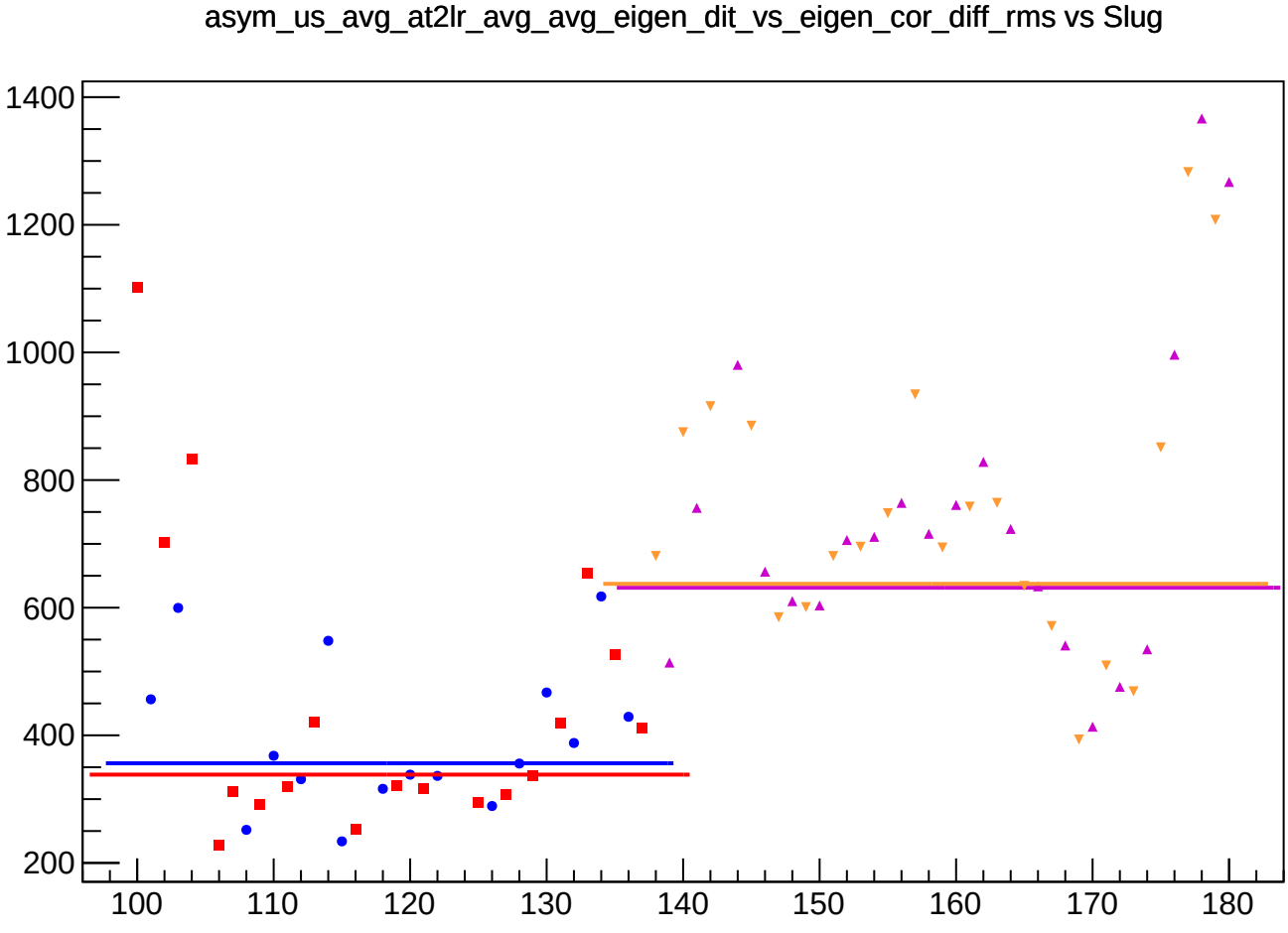
Left In: 631.299+/-0.113 χ^2/NDF:2391322.1/20

+ sign 473.992+/-0.075 χ^2/NDF: 6597028.0/36

All: 468.496+/-0.053 χ^2/NDF: 14042707.0/75

- 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: -0.052+/-0.165 χ²/NDF:25.5/20
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.133+/-0.160 χ²/NDF:29.8/20
+ sign -0.066+/-0.107 χ²/NDF: 38.0/36
All: -0.045+/-0.075 χ²/NDF: 96.5/75
- sign -0.024+/-0.105 χ²/NDF: 58.5/38



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 637.367+/-0.116 χ^2/NDF:2427119.1/20

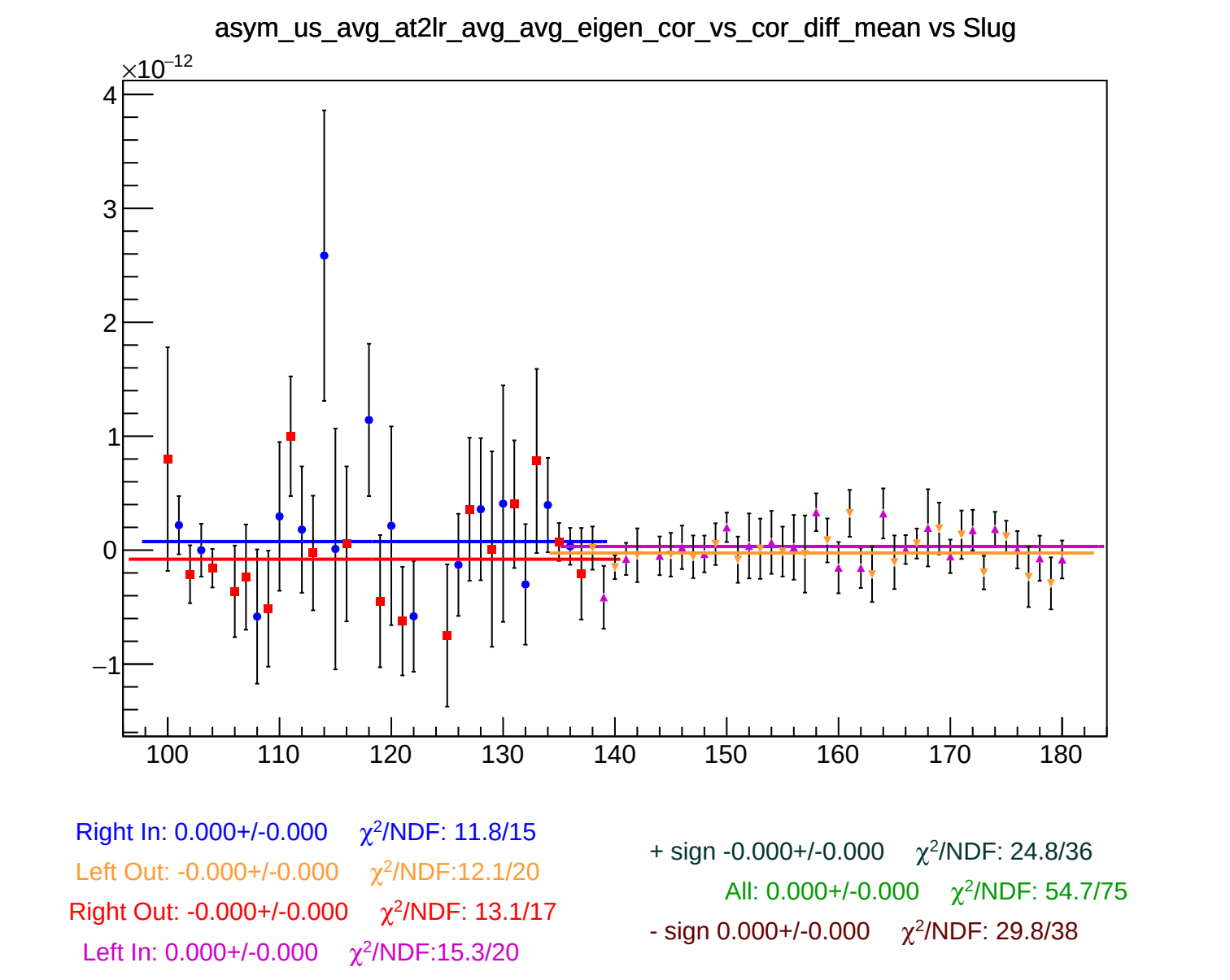
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

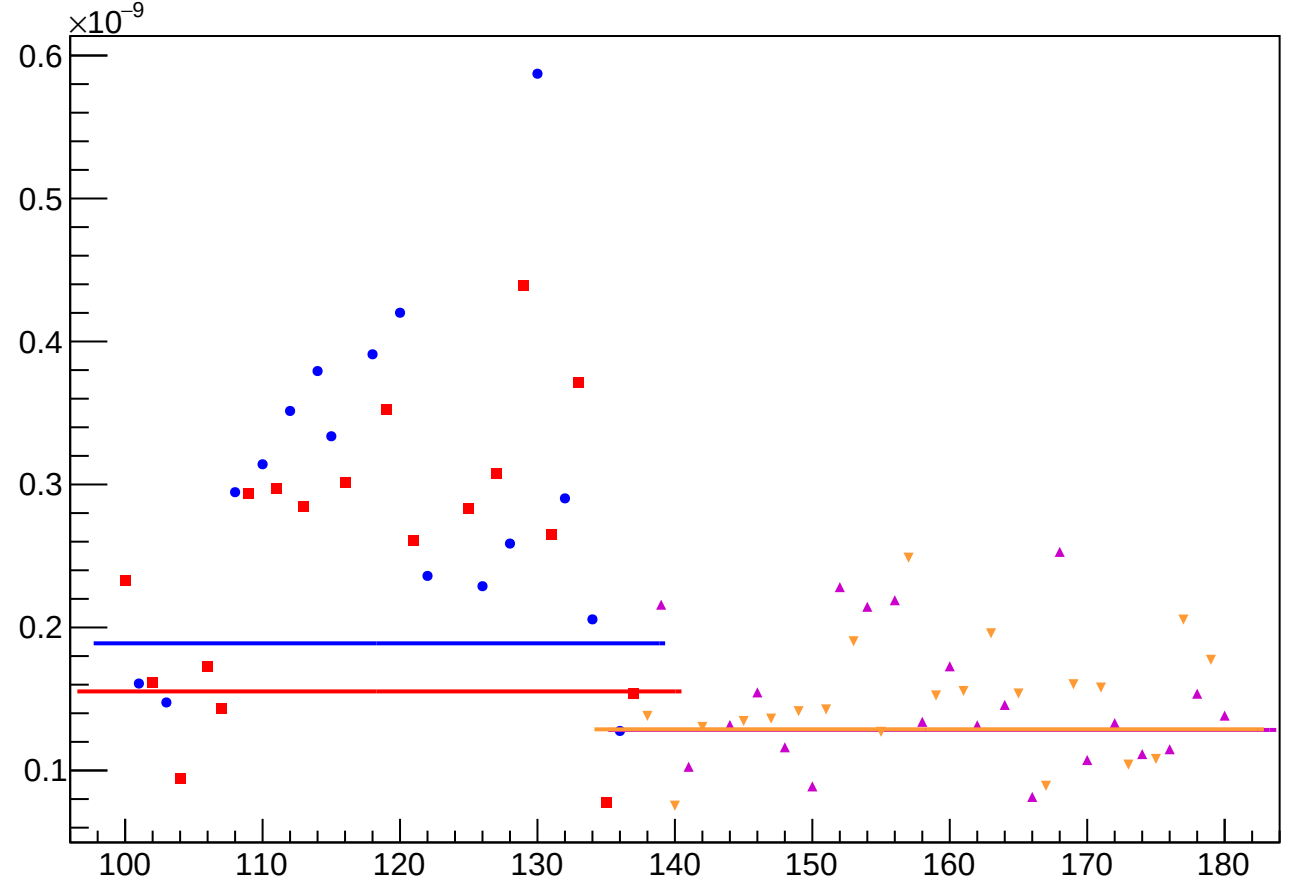
Left In: 631.299+/-0.113 χ^2/NDF:2391322.1/20

+ sign 473.992+/-0.075 χ^2/NDF: 6597028.0/36

All: 468.496+/-0.053 χ^2/NDF: 14042707.0/75

- 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:12.1/20
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: 24.8/36
All: 0.000+/-0.000 χ²/NDF: 54.7/75
- sign 0.000+/-0.000 χ²/NDF: 29.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1773136.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

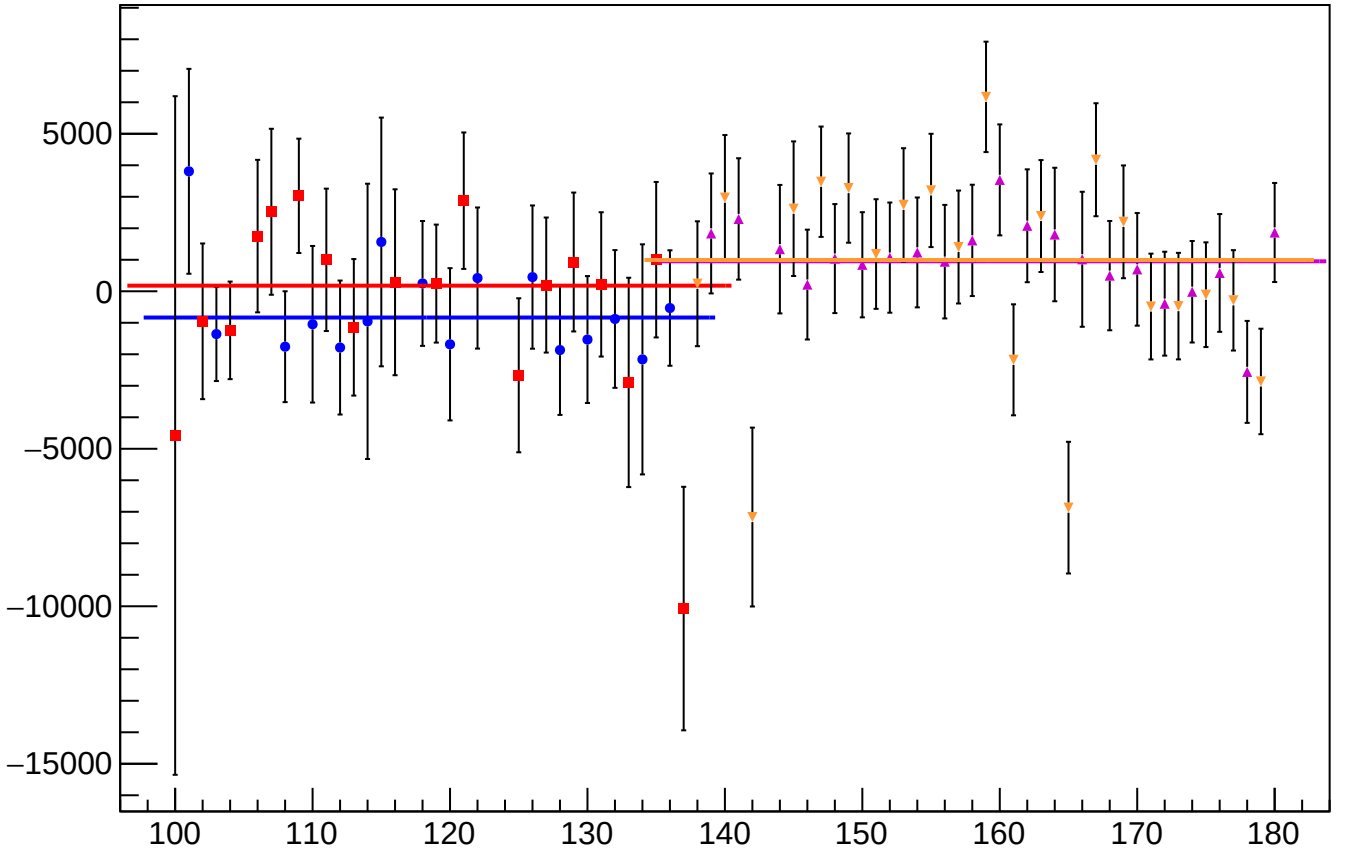
Left In: 0.000+/-0.000 χ^2/NDF:1908837.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 3955848.8/36

All: 0.000+/-0.000 χ^2/NDF: 8247627.6/75

- sign 0.000+/-0.000 χ^2/NDF: 4274105.7/38

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 992.563+/-395.226 χ^2/NDF:54.5/20

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

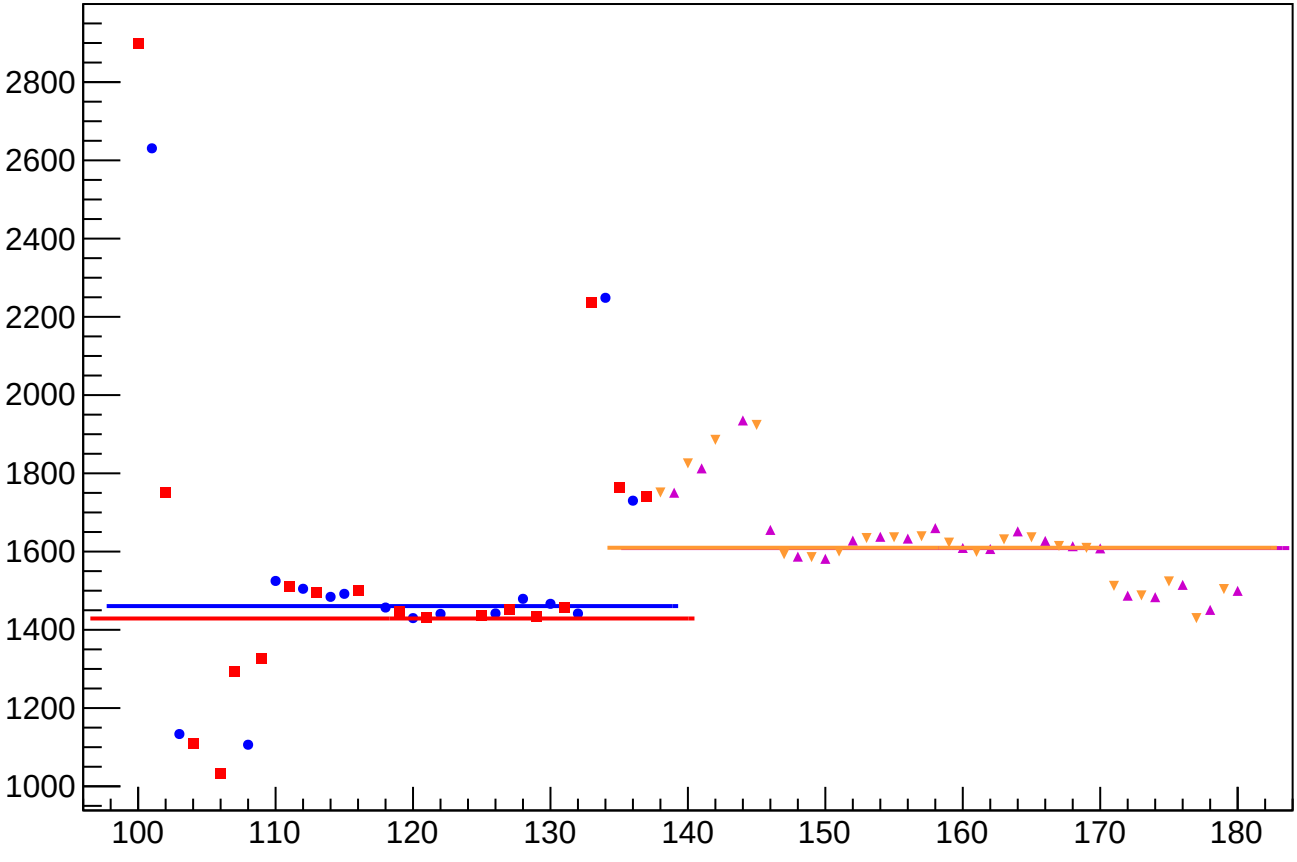
Left In: 951.238+/-388.225 χ^2/NDF:10.0/20

\+ sign 377.892+/-321.905 χ^2/NDF: 66.3/36

All: 537.903+/-225.777 χ^2/NDF: 94.6/75

\- 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: 1609.769+/-0.279 χ^2/NDF:154423.4/20

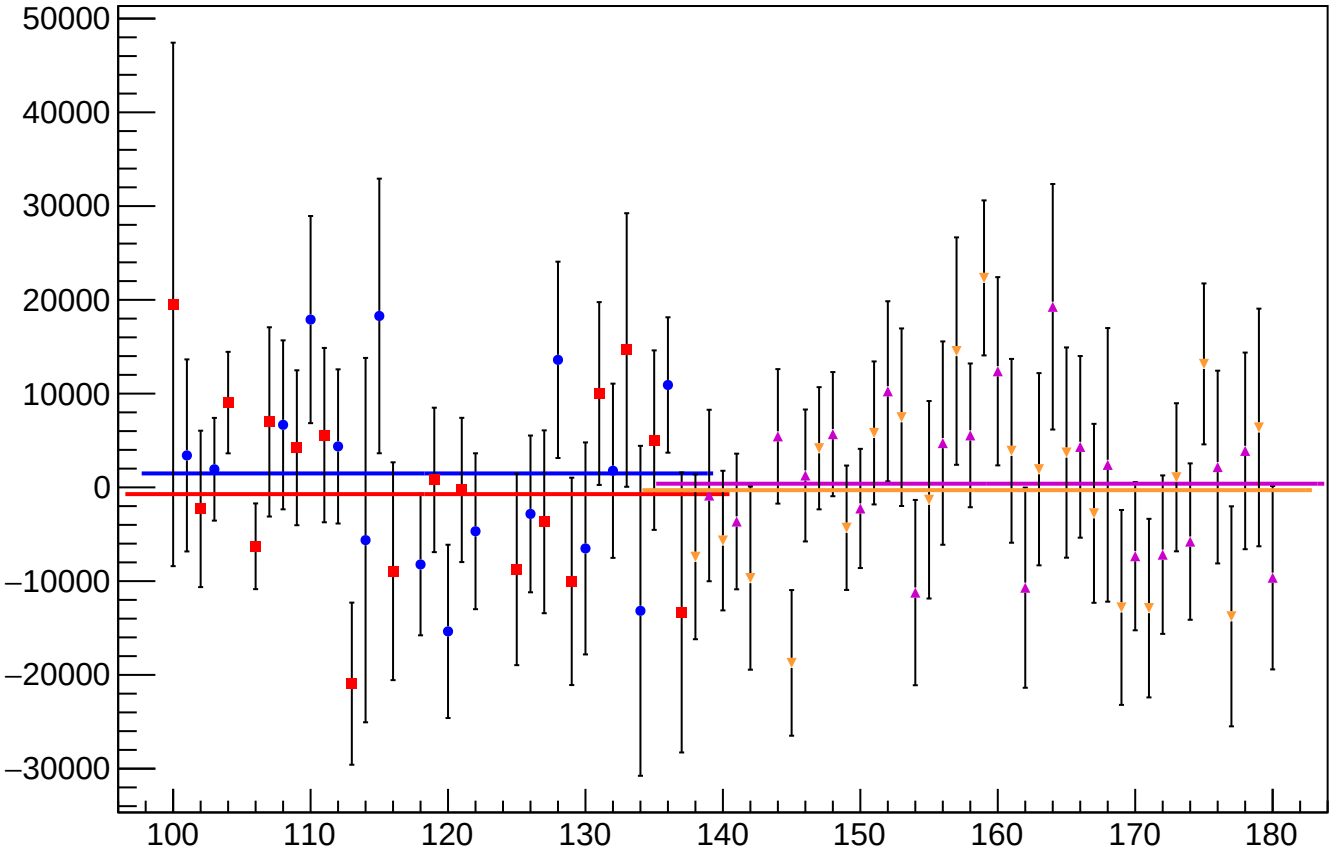
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1608.938+/-0.275 χ^2/NDF:147453.8/20

+ sign 1559.575+/-0.228 χ^2/NDF: 825993.1/36

All: 1553.765+/-0.159 χ^2/NDF: 1531154.6/75

- 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: -296.588+/-1941.399 χ^2/NDF:26.6/20

Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

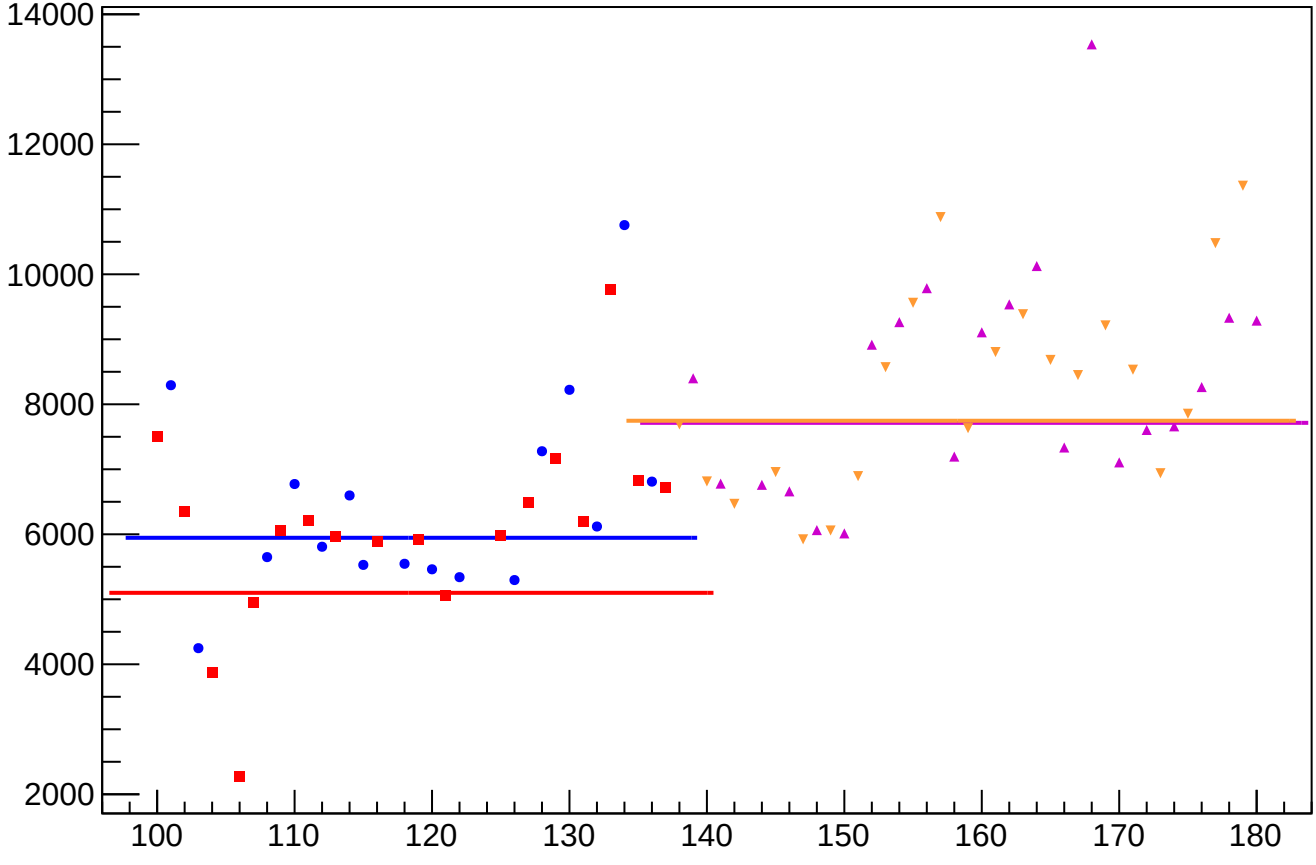
Left In: 391.783+/-1896.078 χ^2/NDF:13.0/20

\+ sign 457.822+/-1474.863 χ^2/NDF: 41.1/36

All: 143.622+/-1007.578 χ^2/NDF: 71.8/75

\- sign -131.359+/-1379.749 χ^2/NDF: 30.6/38

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7746.731+/-1.373 χ^2/NDF:1051144.0/20

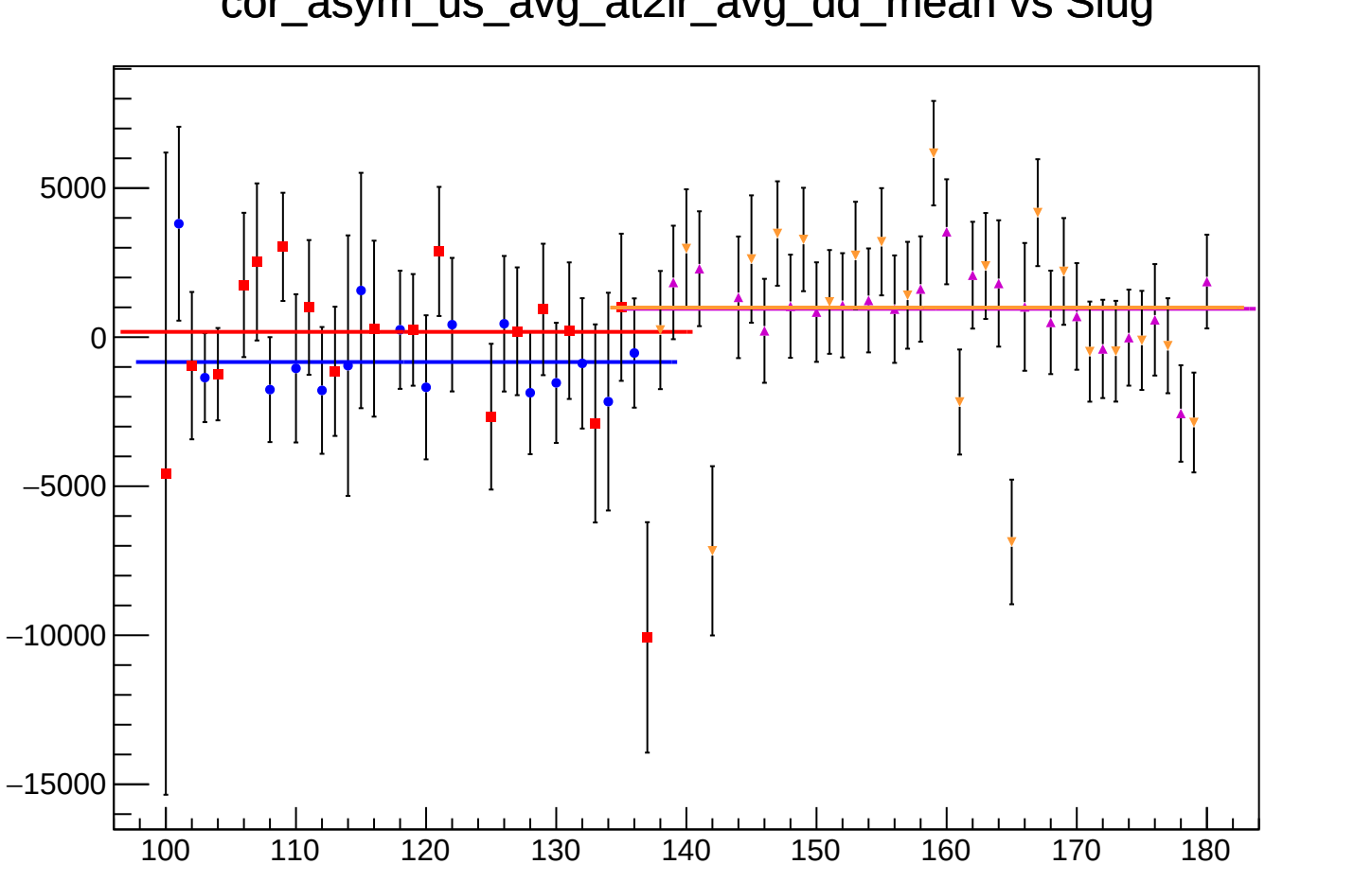
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7714.561+/-1.341 χ^2/NDF:1158556.9/20

+ sign 6985.290+/-1.043 χ^2/NDF: 2419830.8/36

All: 6718.060+/-0.712 χ^2/NDF: 6971898.5/75

- 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: 992.655+/-395.226 χ^2/NDF:54.5/20

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

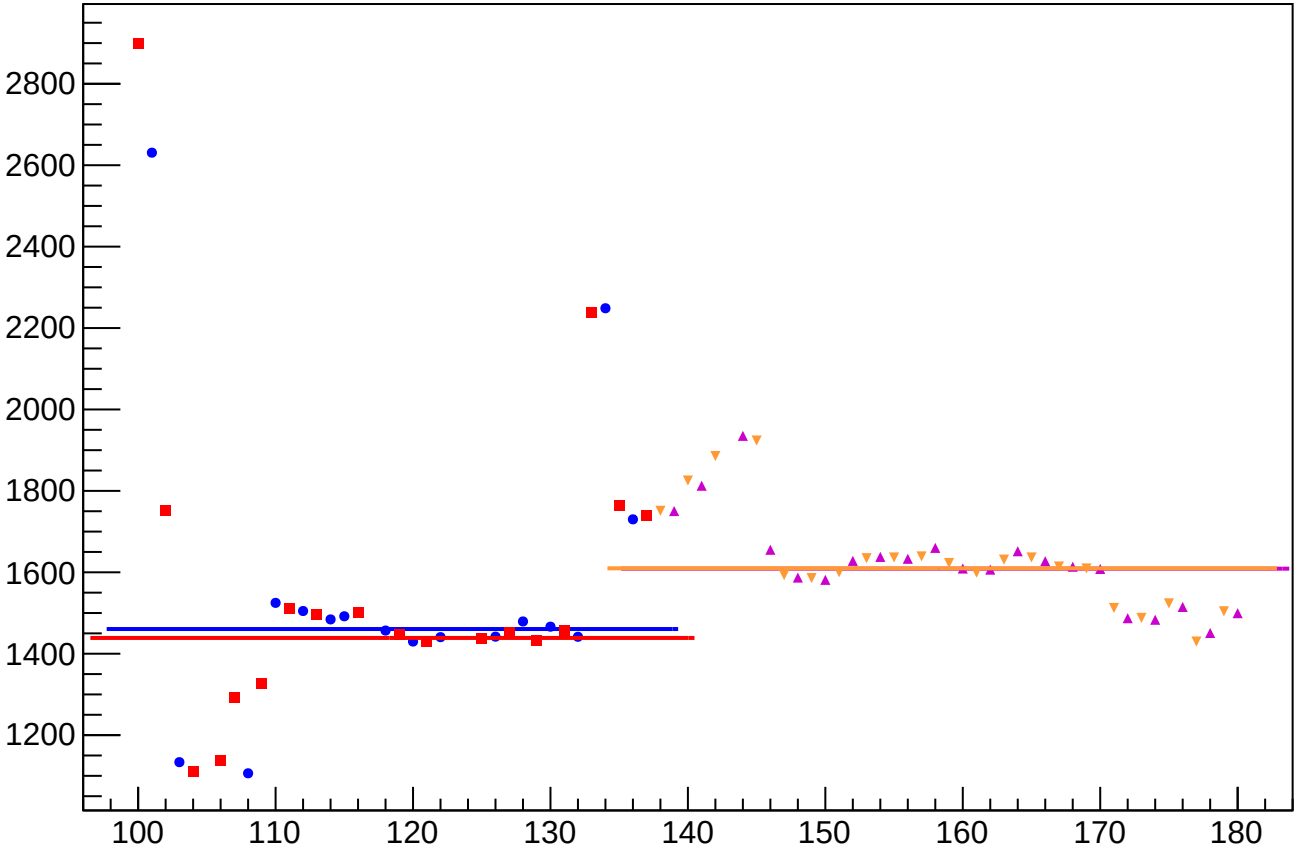
Left In: 951.117+/-388.225 χ^2/NDF:10.0/20

+ sign 377.932+/-321.905 χ^2/NDF: 66.3/36

All: 537.855+/-225.777 χ^2/NDF: 94.6/75

- 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: 1609.769+/-0.279 χ^2/NDF:154423.4/20

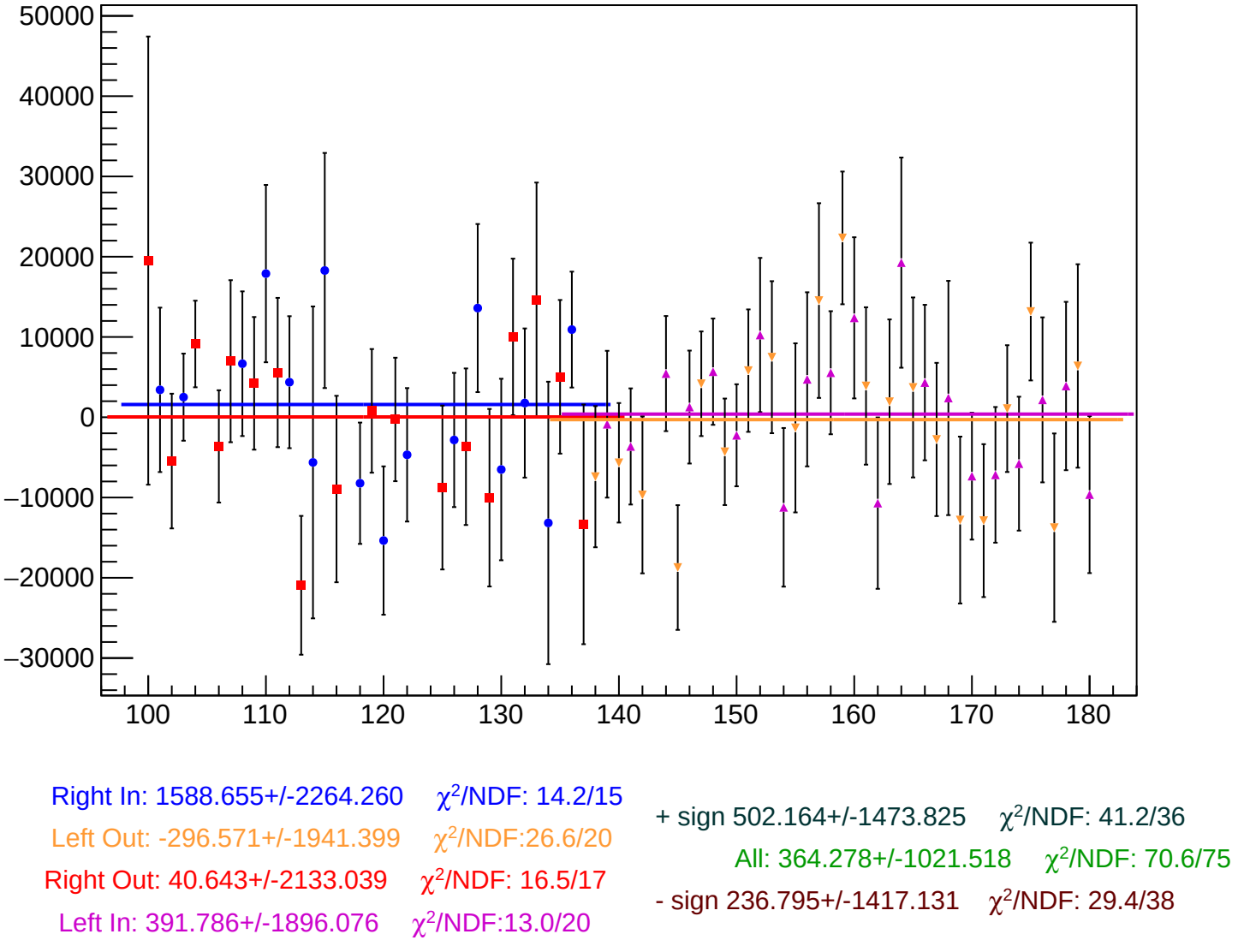
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

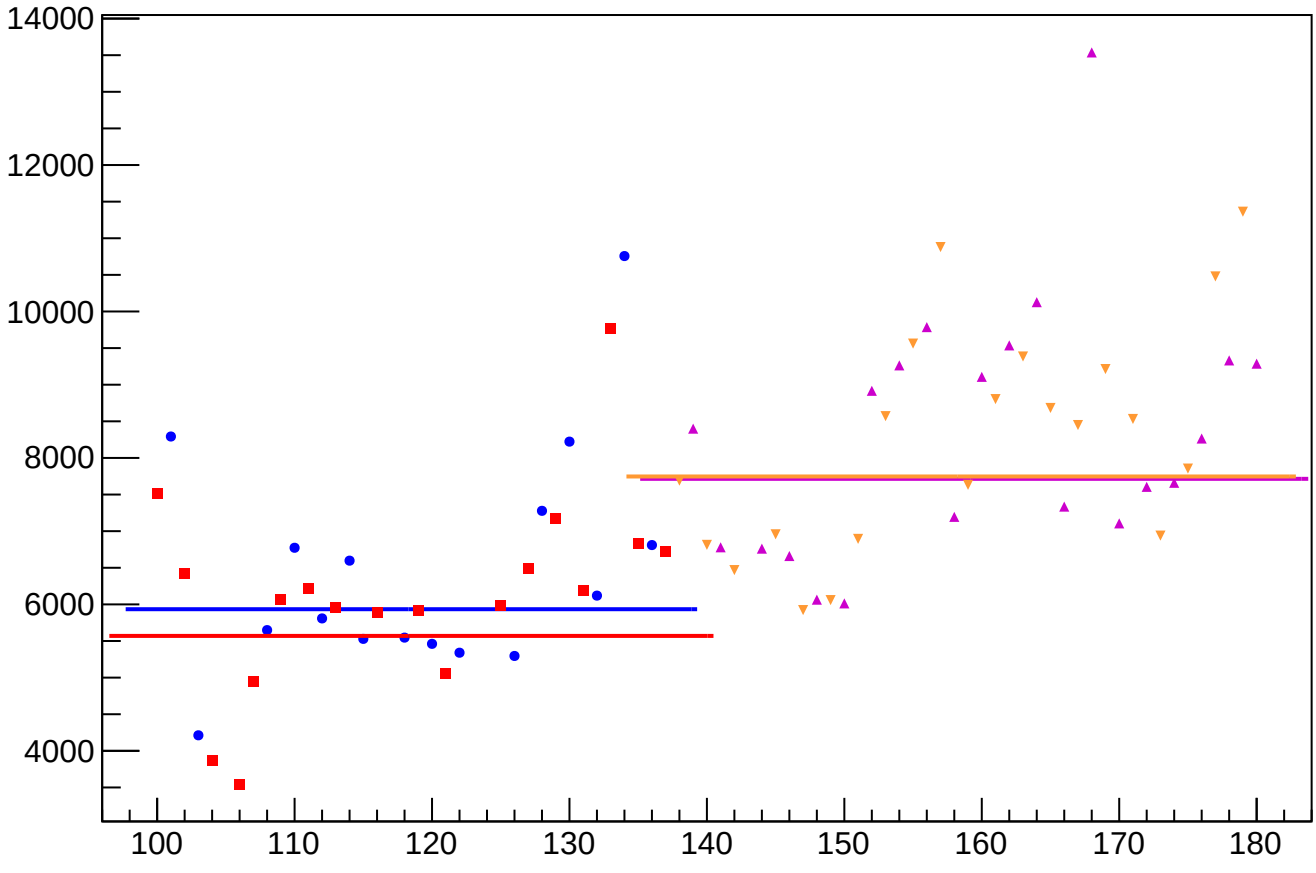
Left In: 1608.938+/-0.275 χ^2/NDF:147453.8/20

+ sign 1559.575+/-0.228 χ^2/NDF: 825993.5/36

All: 1555.659+/-0.160 χ^2/NDF: 1476267.7/75

- sign 1551.873+/-0.224 χ^2/NDF: 649692.1/38


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -296.571+/-1941.399 χ²/NDF:26.6/20
Right Out: 40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: 391.786+/-1896.076 χ²/NDF:13.0/20
+ sign 502.164+/-1473.825 χ²/NDF: 41.2/36
All: 364.278+/-1021.518 χ²/NDF: 70.6/75
- sign 236.795+/-1417.131 χ²/NDF: 29.4/38



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7746.729+/-1.373 χ^2/NDF:1051145.3/20

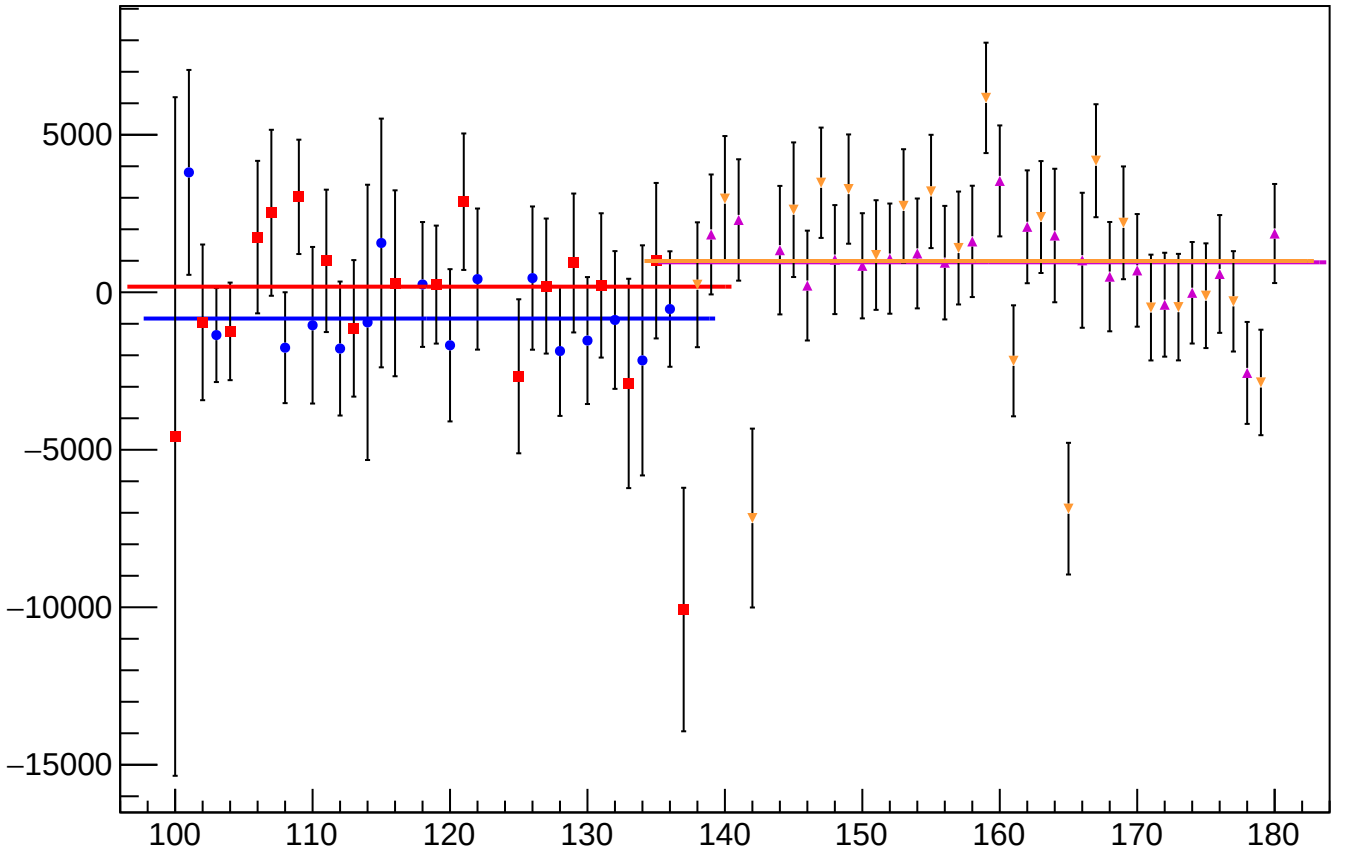
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7714.554+/-1.341 χ^2/NDF:1158559.7/20

+ sign 6978.798+/-1.042 χ^2/NDF: 2442822.2/36

All: 6869.160+/-0.722 χ^2/NDF: 5476461.1/75

- 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: 992.655+/-395.226 χ^2/NDF:54.5/20

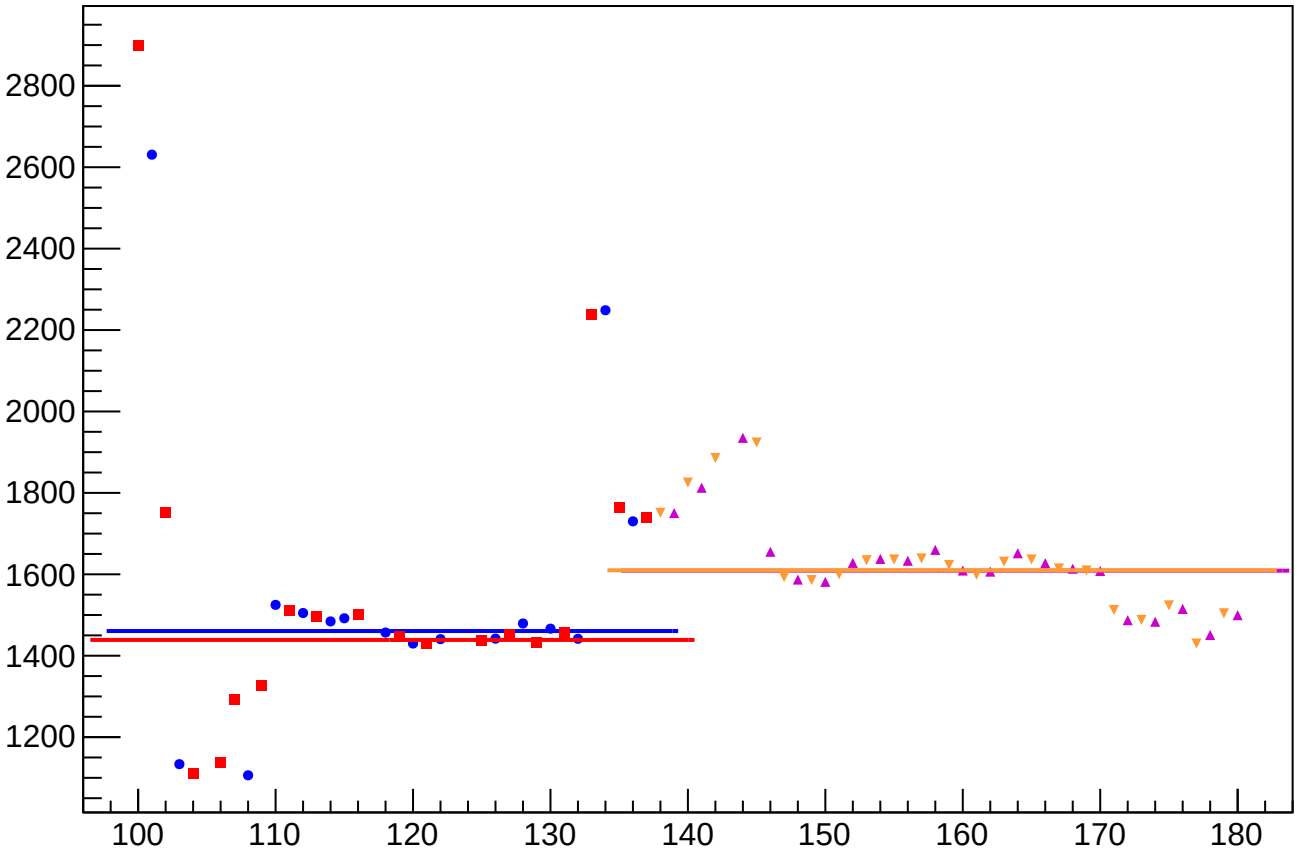
Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: 951.117+/-388.225 χ^2/NDF:10.0/20

\+ sign 377.932+/-321.905 χ^2/NDF: 66.3/36

All: 537.855+/-225.777 χ^2/NDF: 94.6/75

\- 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: 1609.769+/-0.279 χ^2/NDF:154423.4/20

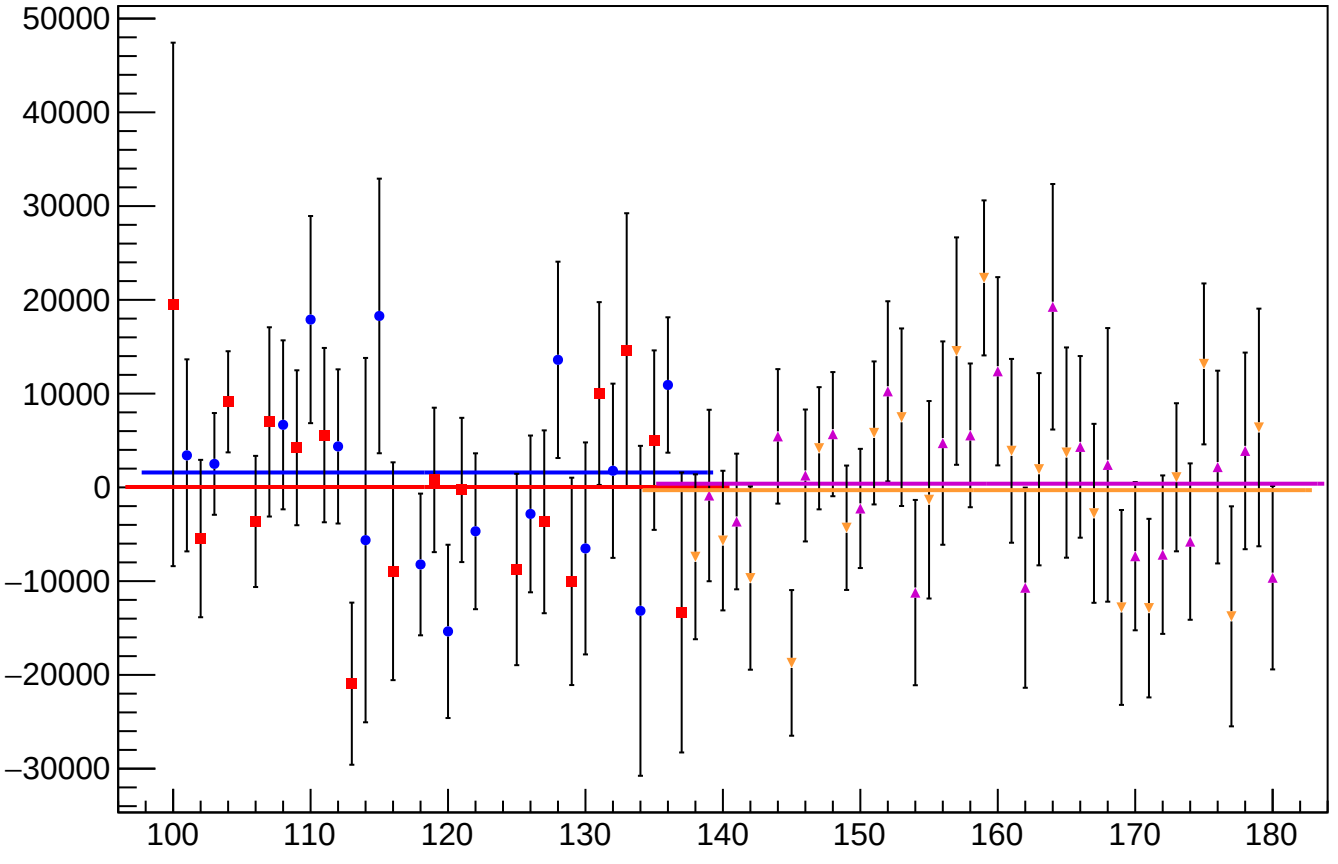
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1608.938+/-0.275 χ^2/NDF:147453.8/20

+ sign 1559.575+/-0.228 χ^2/NDF: 825993.5/36

All: 1555.659+/-0.160 χ^2/NDF: 1476267.7/75

- 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: -296.571+/-1941.399 χ^2/NDF:26.6/20

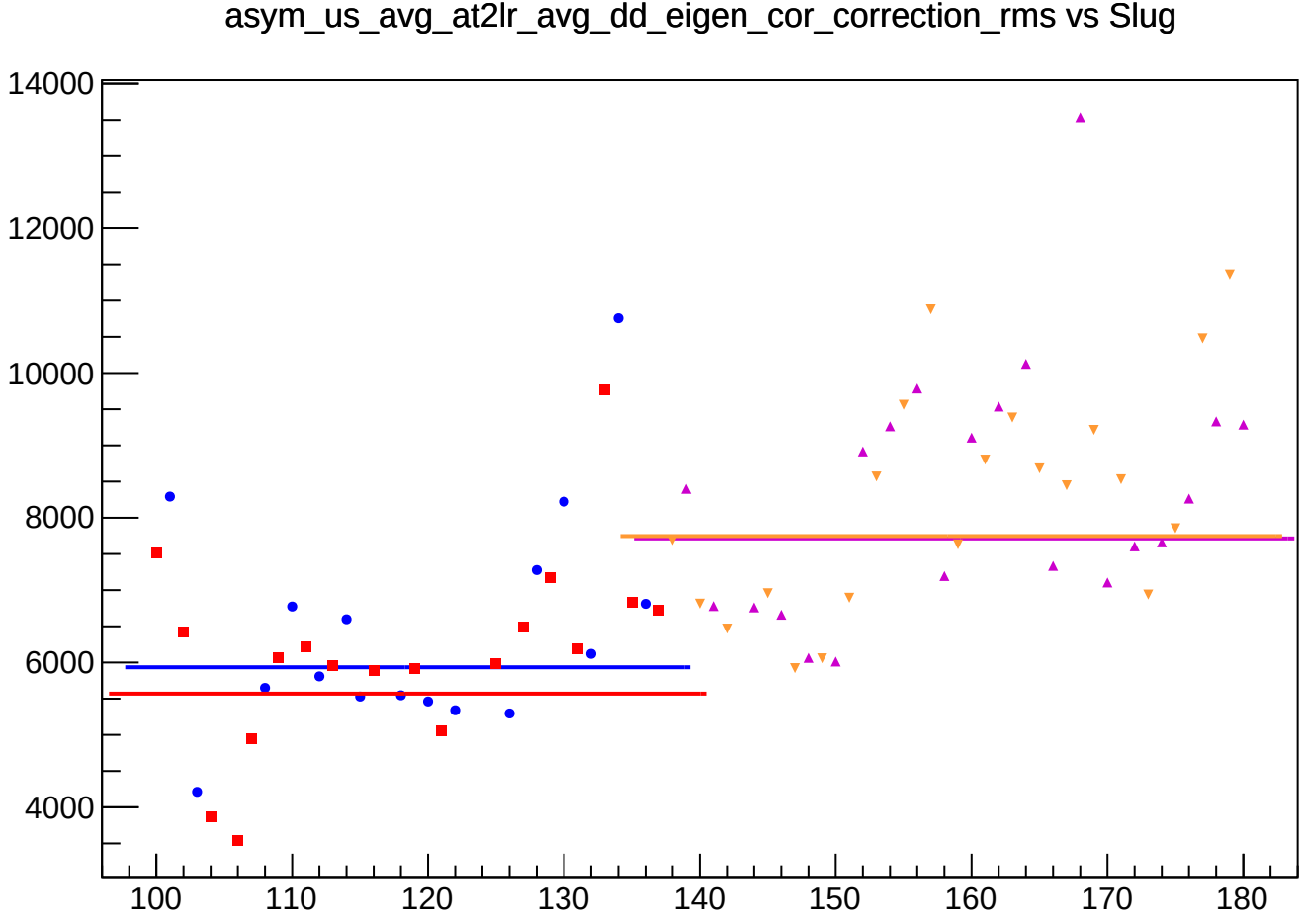
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 391.786+/-1896.076 χ^2/NDF:13.0/20

+ sign 502.164+/-1473.825 χ^2/NDF: 41.2/36

All: 364.278+/-1021.518 χ^2/NDF: 70.6/75

- 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: 7746.729+/-1.373 χ^2/NDF:1051145.3/20

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

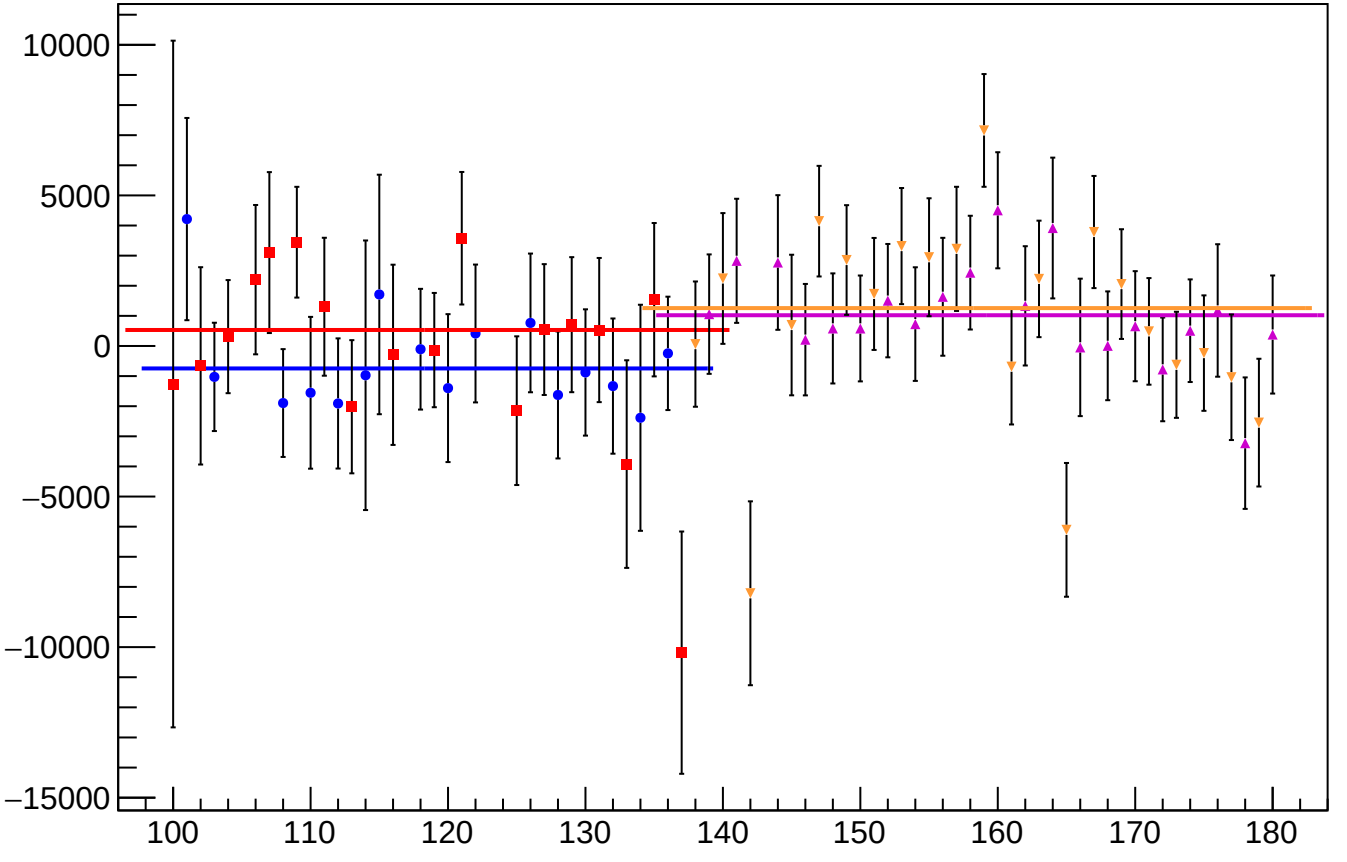
Left In: 7714.554+/-1.341 χ^2/NDF:1158559.7/20

+ sign 6978.798+/-1.042 χ^2/NDF: 2442822.2/36

All: 6869.160+/-0.722 χ^2/NDF: 5476461.1/75

- sign 6767.795+/-1.002 χ^2/NDF: 3012338.5/38

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1257.920+/-431.559 χ^2/NDF:46.9/20

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

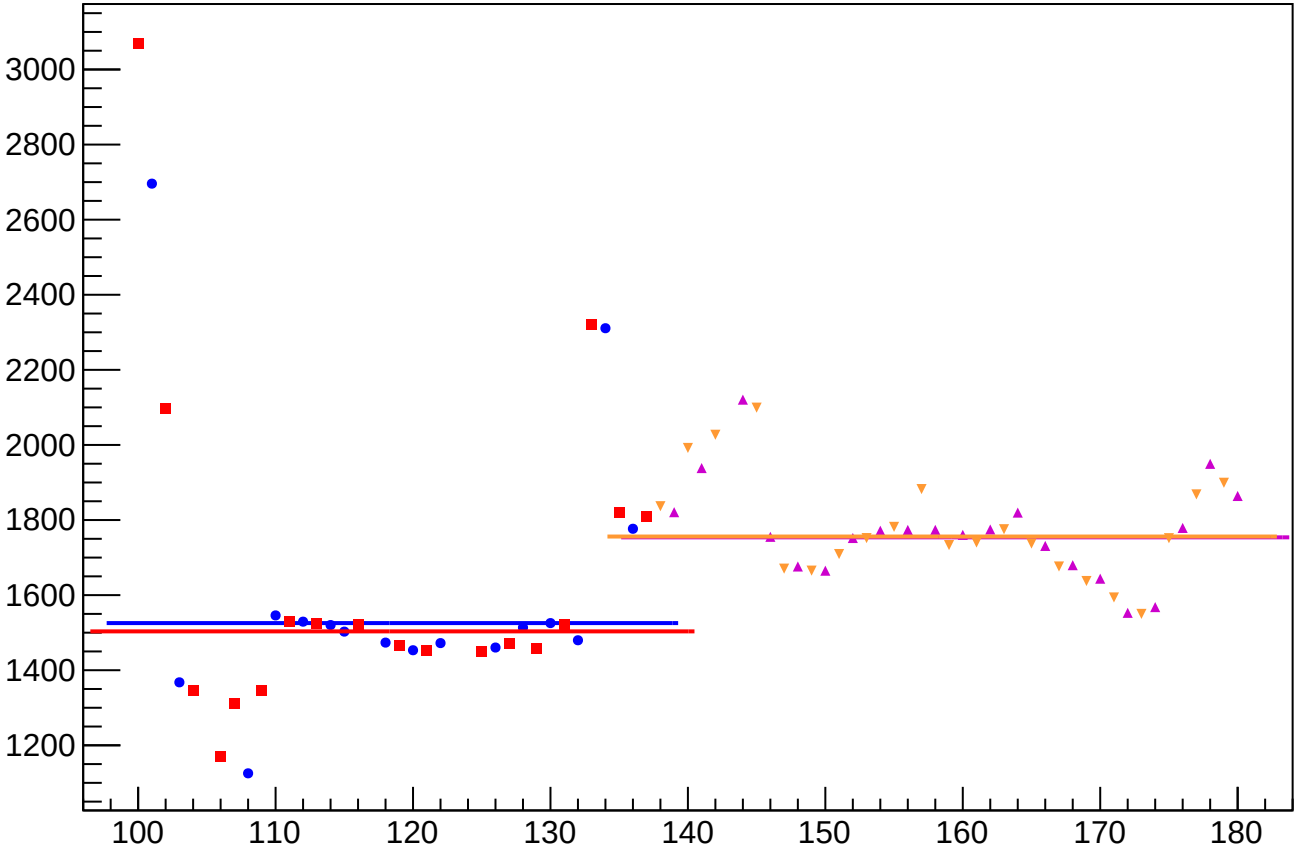
Left In: 1020.964+/-423.603 χ^2/NDF:12.9/20

+ sign 540.791+/-345.819 χ^2/NDF: 59.4/36

All: 696.896+/-242.835 χ^2/NDF: 90.9/75

- 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: 1756.061+/-0.305 χ^2/NDF:176108.8/20

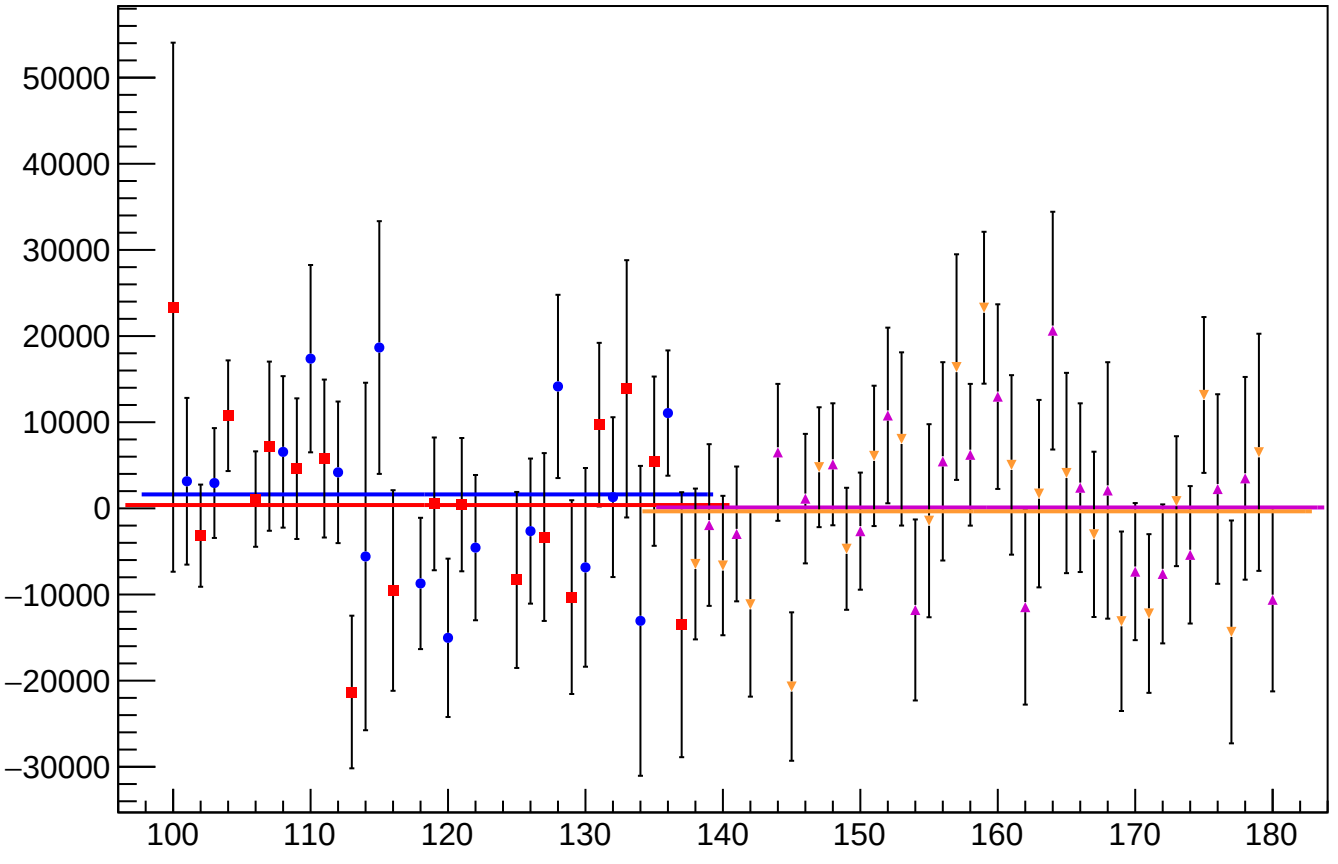
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1753.887+/-0.300 χ^2/NDF:167835.5/20

+ sign 1673.561+/-0.245 χ^2/NDF: 868668.2/36

All: 1669.610+/-0.172 χ^2/NDF: 1621510.6/75

- 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: -343.722+/-2038.228 χ^2/NDF:26.1/20

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

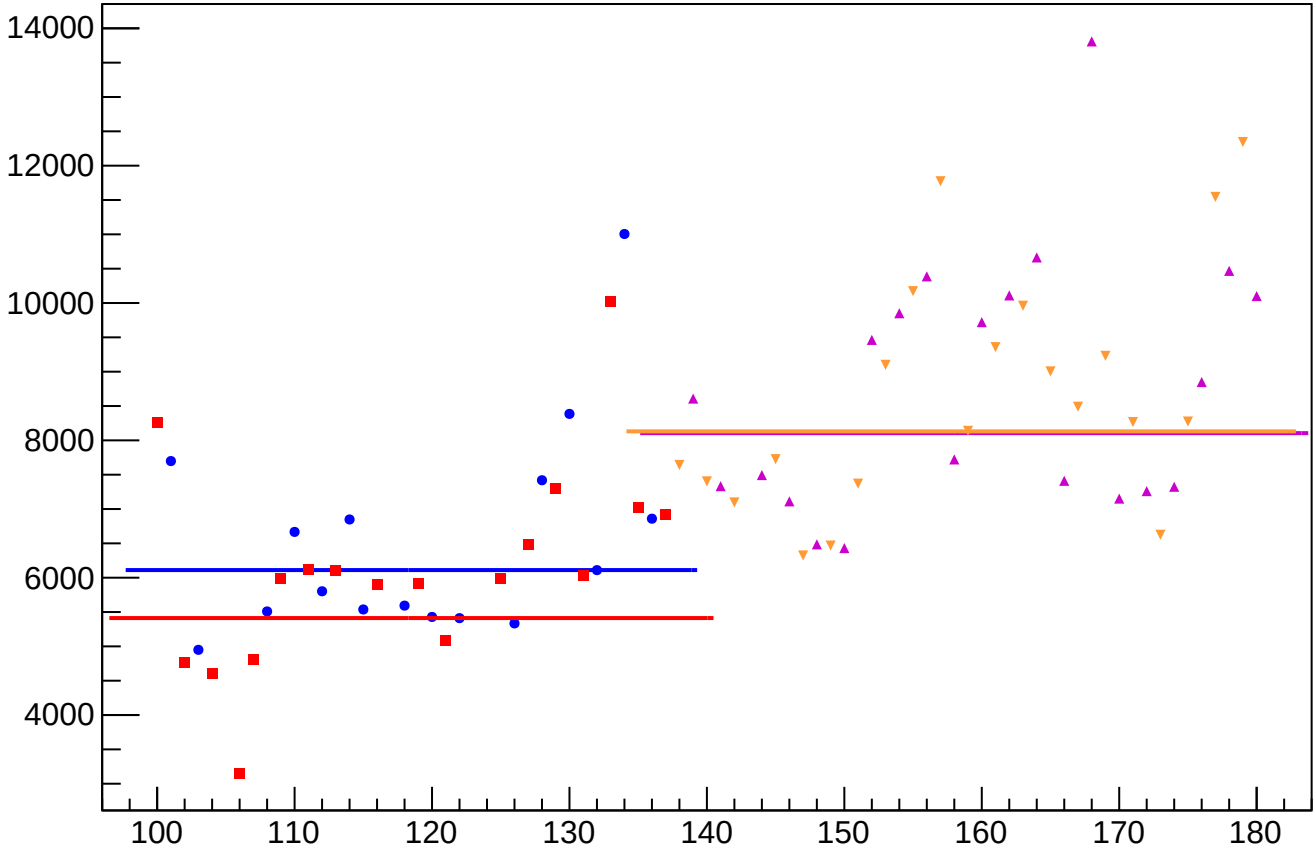
Left In: 103.251+/-1993.210 χ^2/NDF:12.9/20

\+ sign 511.719+/-1531.238 χ^2/NDF: 40.8/36

All: 366.775+/-1046.187 χ^2/NDF: 69.7/75

\- sign 239.880+/-1432.734 χ^2/NDF: 28.9/38

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8131.046+/-1.441 χ^2/NDF:1075957.6/20

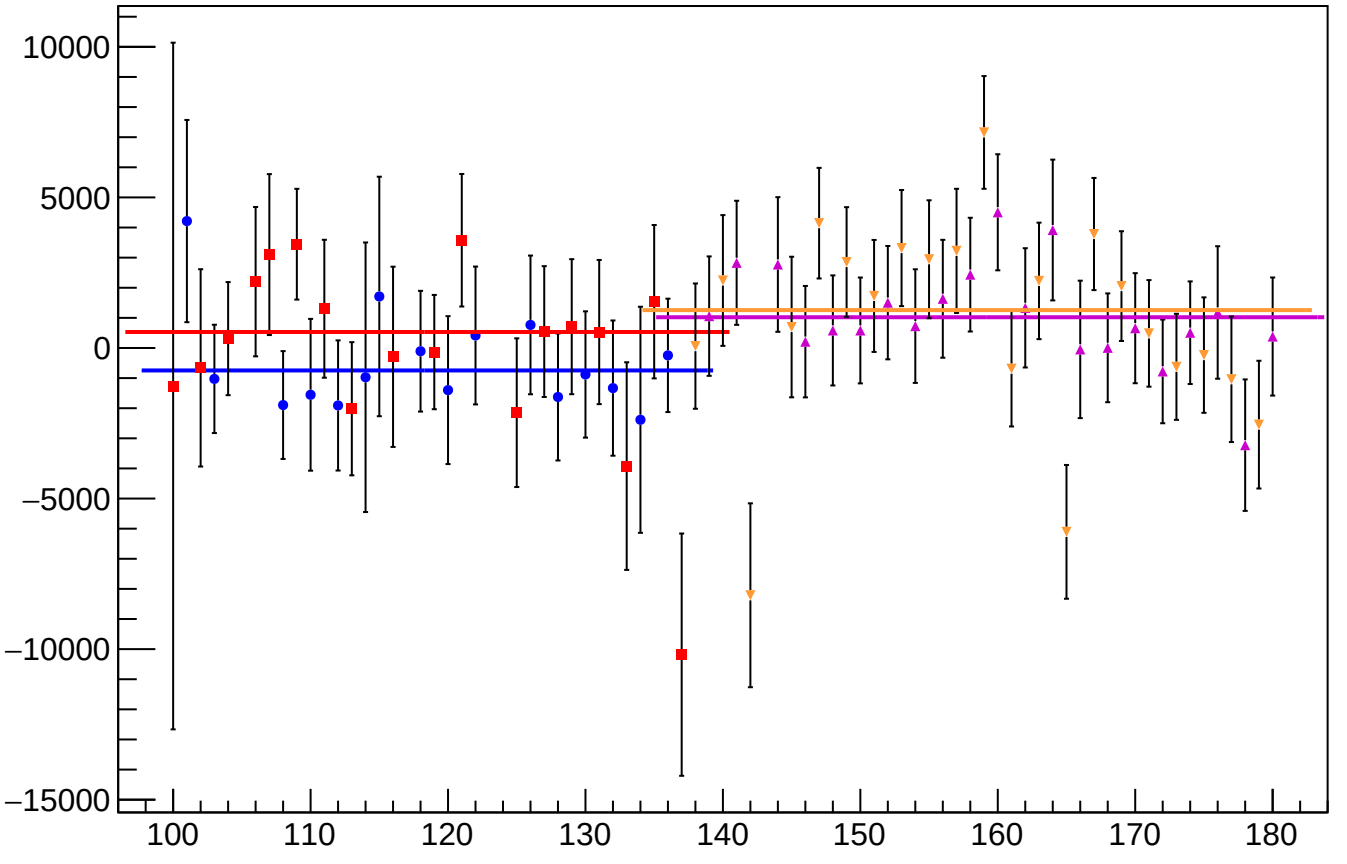
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8105.234+/-1.409 χ^2/NDF:1182395.7/20

+ sign 7251.111+/-1.083 χ^2/NDF: 2403333.1/36

All: 7012.544+/-0.740 χ^2/NDF: 6262777.2/75

- 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: 1257.927+/-431.560 χ^2/NDF:46.9/20

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

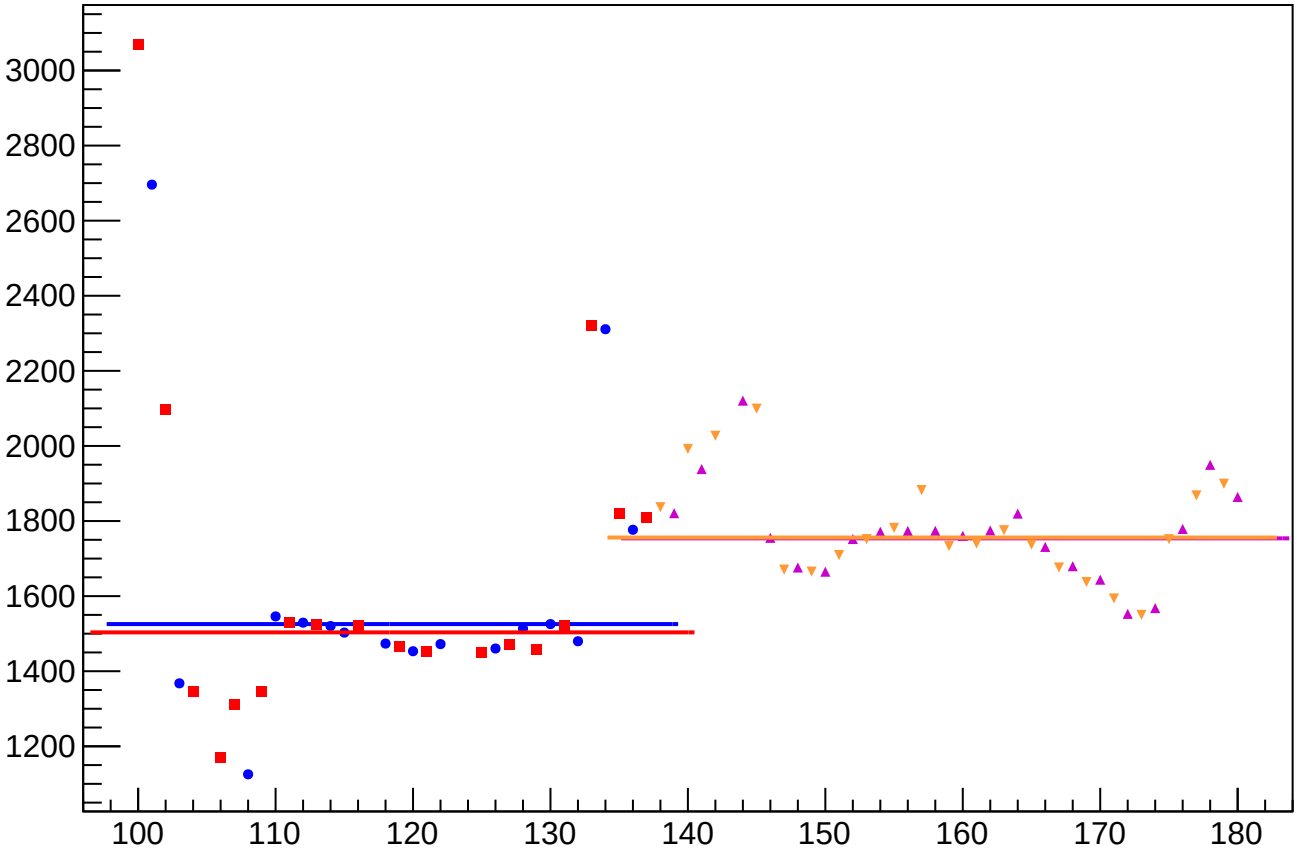
Left In: 1020.964+/-423.604 χ^2/NDF:12.9/20

+ sign 540.792+/-345.819 χ^2/NDF: 59.4/36

All: 696.898+/-242.835 χ^2/NDF: 90.9/75

- 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: 1756.064+/-0.305 χ^2/NDF:176117.5/20

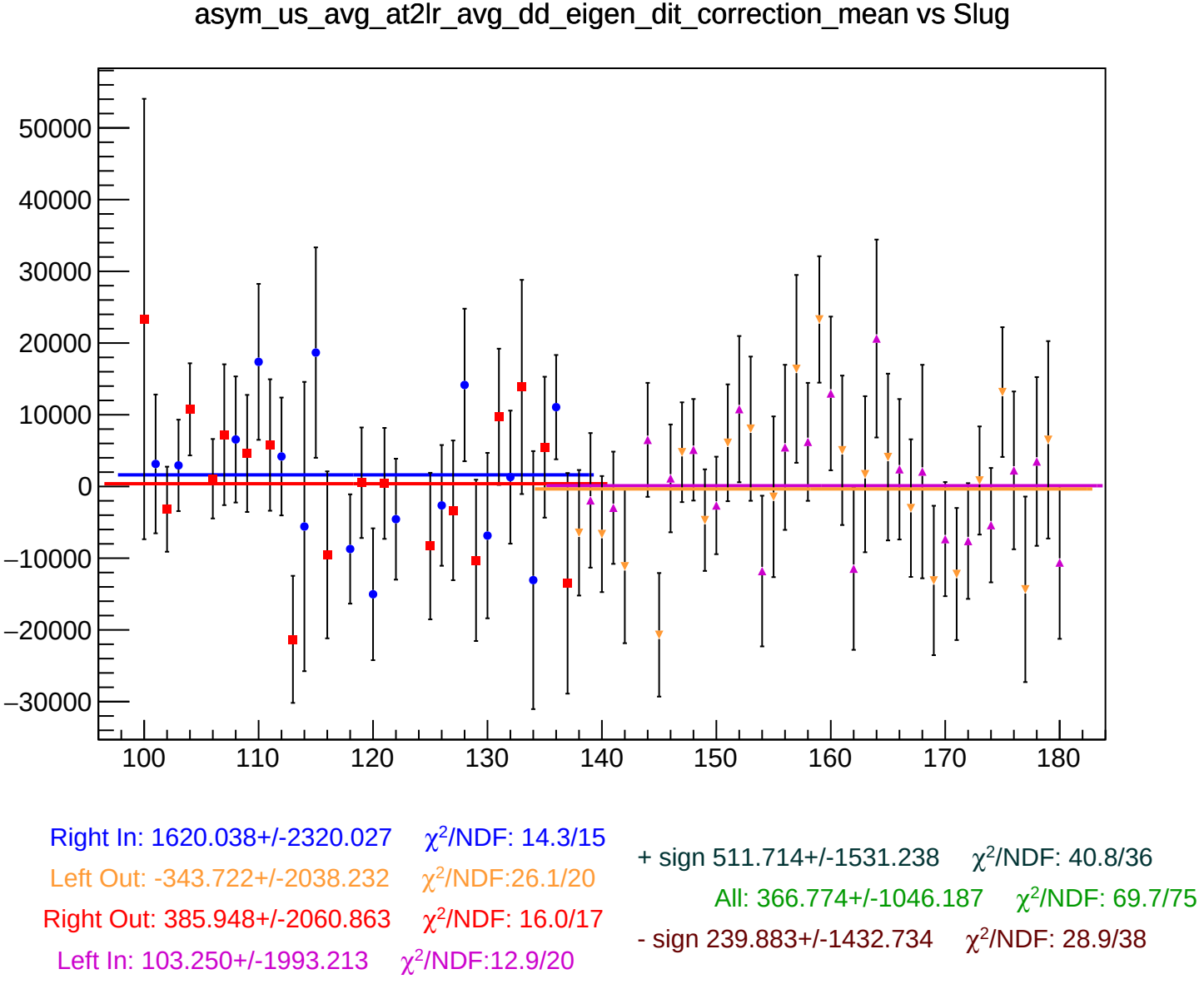
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

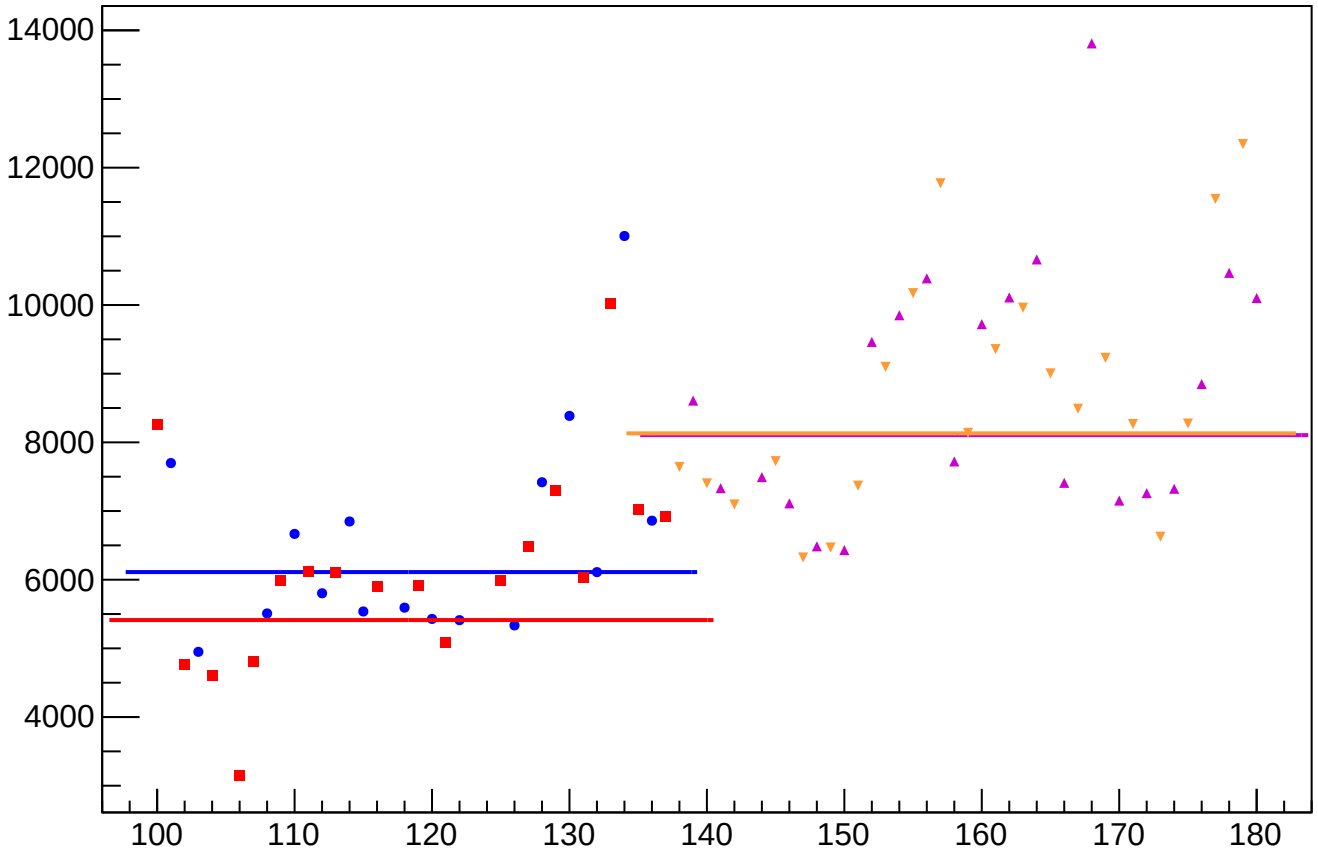
Left In: 1753.890+/-0.300 χ^2/NDF:167843.5/20

+ sign 1673.563+/-0.245 χ^2/NDF: 868681.1/36

All: 1669.612+/-0.172 χ^2/NDF: 1621536.8/75

- 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: -343.722+/-2038.232 χ²/NDF:26.1/20
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 103.250+/-1993.213 χ²/NDF:12.9/20
+ sign 511.714+/-1531.238 χ²/NDF: 40.8/36
All: 366.774+/-1046.187 χ²/NDF: 69.7/75
- sign 239.883+/-1432.734 χ²/NDF: 28.9/38



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8131.059+/-1.441 χ^2/NDF:1075960.2/20

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

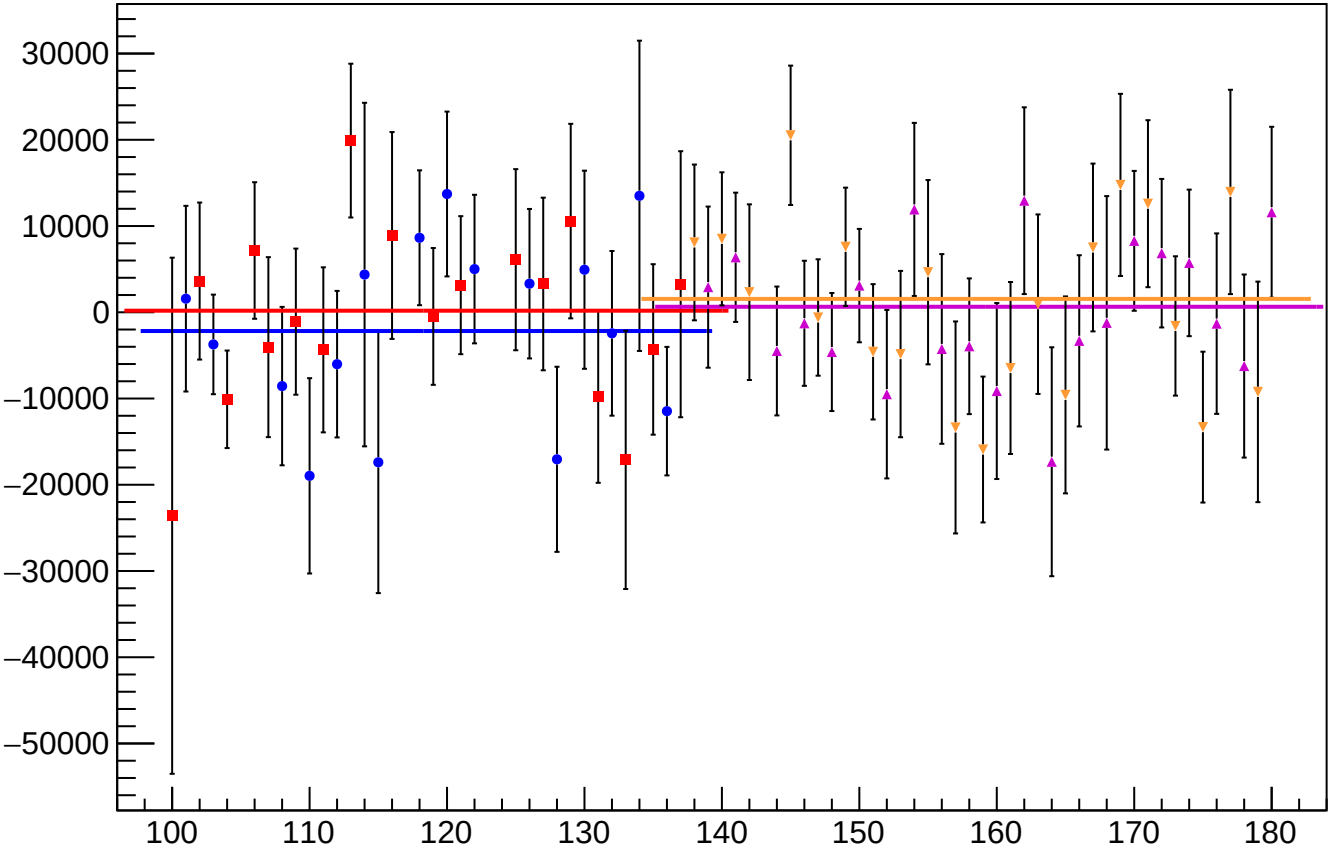
Left In: 8105.246+/-1.409 χ^2/NDF:1182399.8/20

+ sign 7251.109+/-1.083 χ^2/NDF: 2403361.1/36

All: 7012.541+/-0.740 χ^2/NDF: 6262841.8/75

- 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: 1550.736+/-1990.528 χ^2/NDF:24.3/20

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

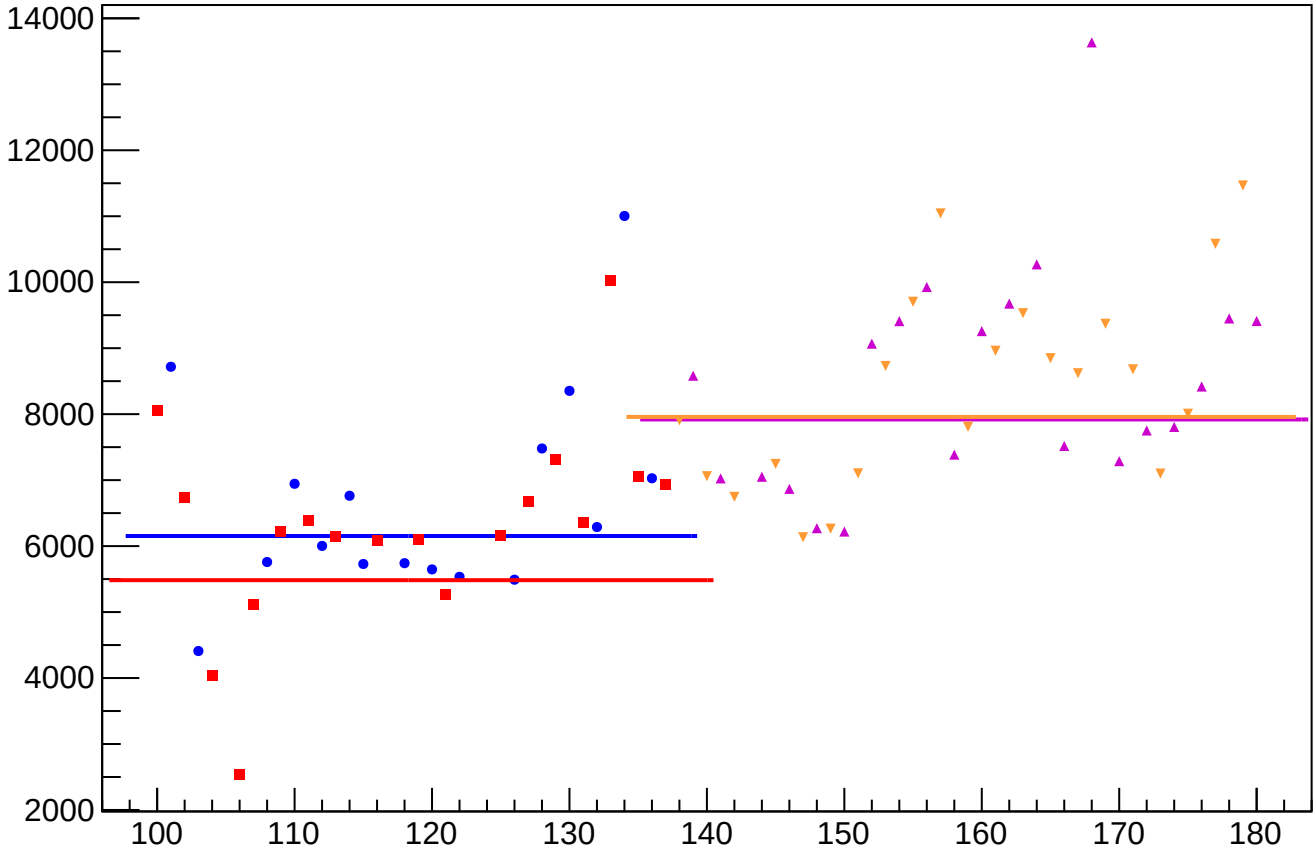
Left In: 637.861+/-1943.162 χ^2/NDF:12.5/20

+ sign -7.082+/-1518.251 χ^2/NDF: 40.3/36

All: 225.353+/-1054.120 χ^2/NDF: 67.5/75

- 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: 7958.268+/-1.408 χ^2/NDF:961034.8/20

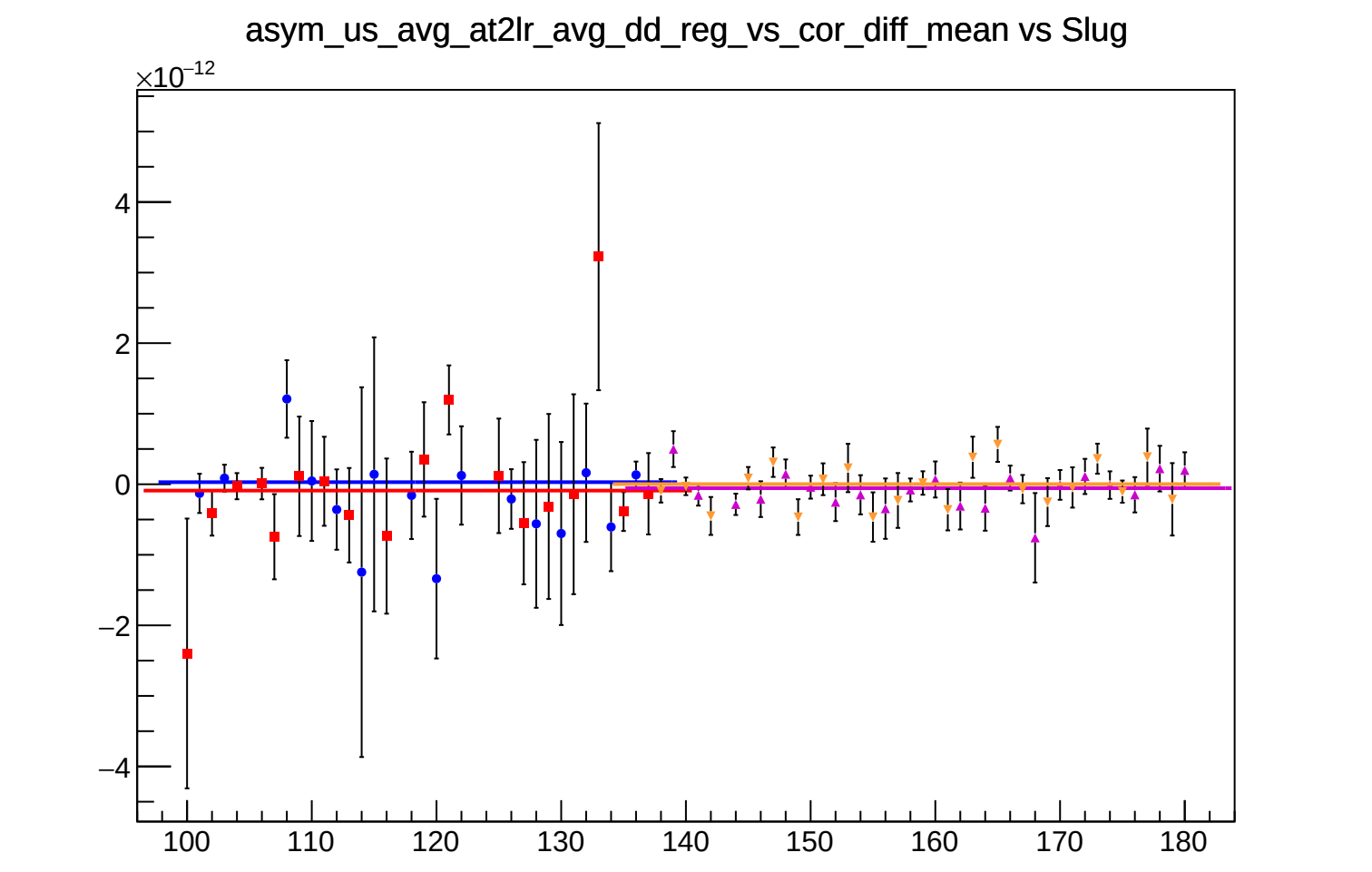
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7919.387+/-1.374 χ^2/NDF:1065269.8/20

+ sign 7203.115+/-1.074 χ^2/NDF: 2273309.4/36

All: 7003.439+/-0.739 χ^2/NDF: 5967110.3/75

- 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:25.3/20

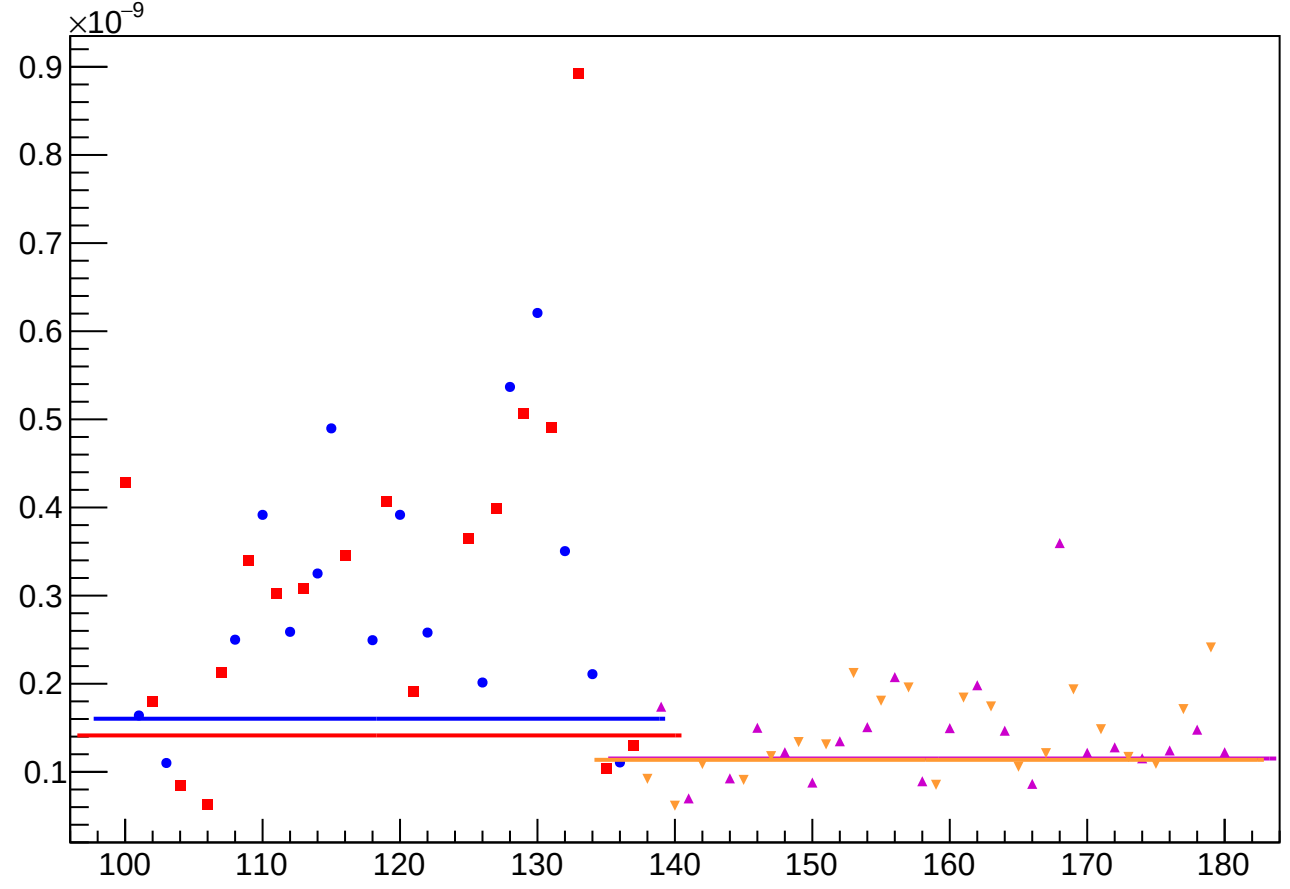
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:15.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 34.9/36

All: -0.000+/-0.000 χ^2/NDF: 68.6/75

- 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:1349420.4/20

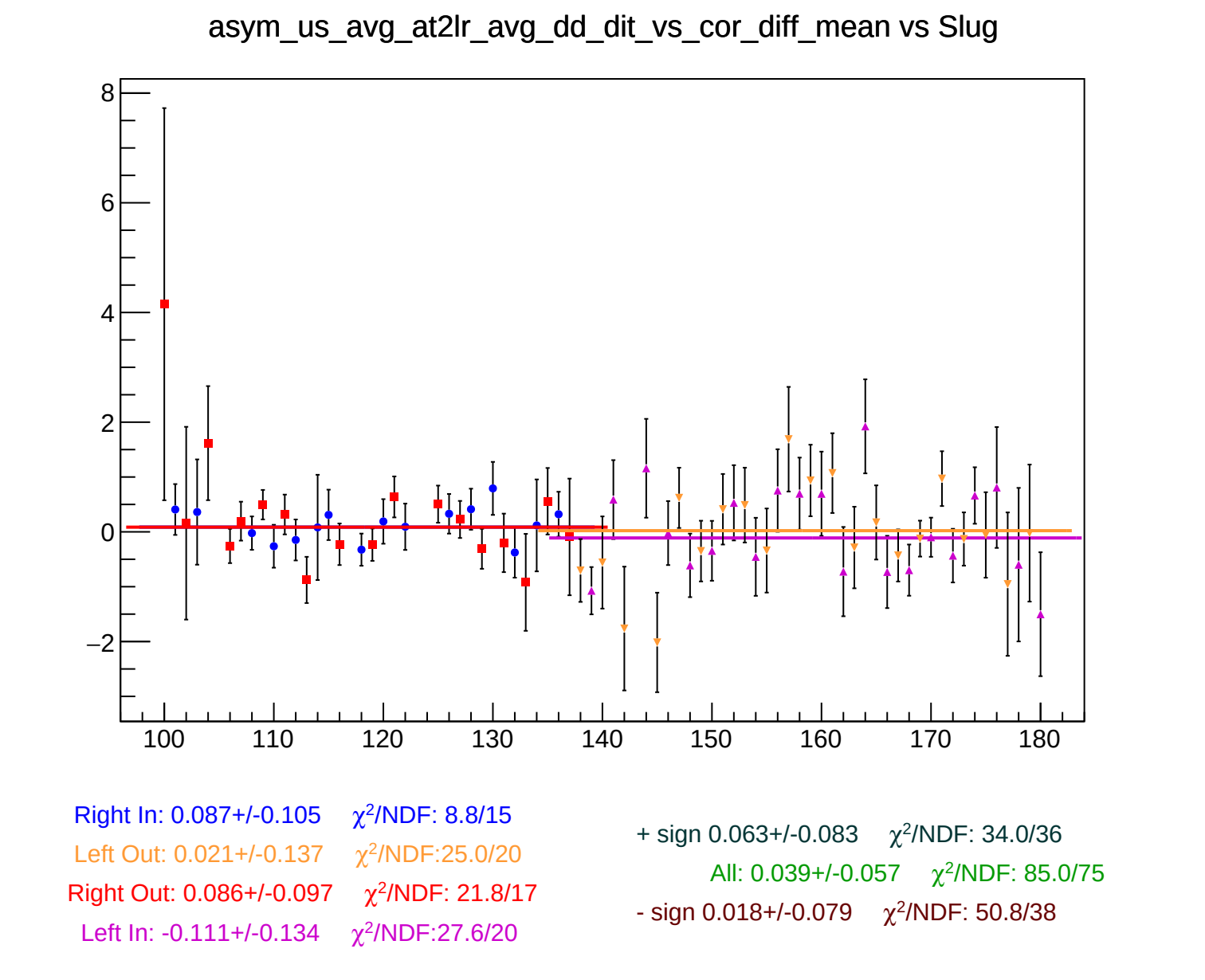
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

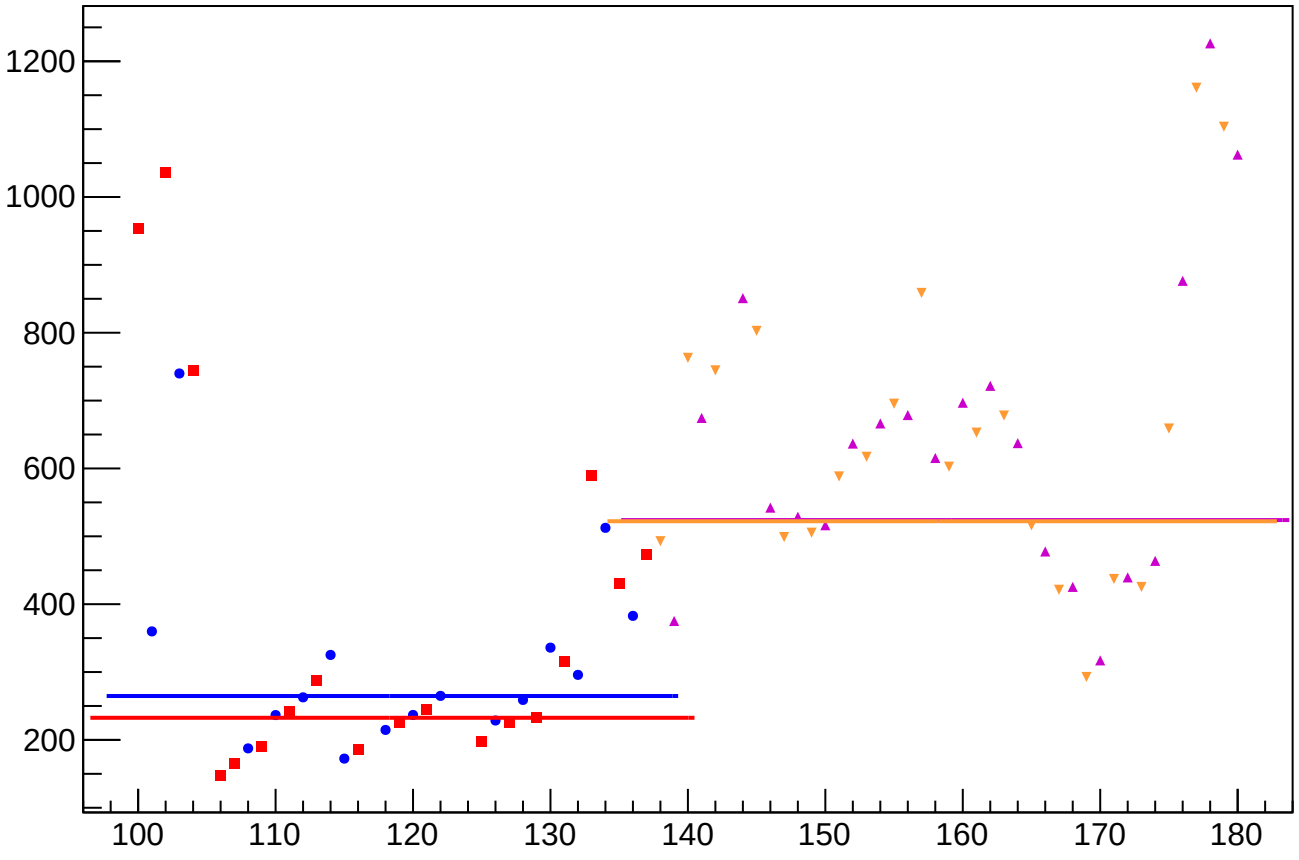
Left In: 0.000+/-0.000 χ^2/NDF:1186037.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 3011359.3/36

All: 0.000+/-0.000 χ^2/NDF: 6472229.1/75

- 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: 0.021+/-0.137 χ²/NDF:25.0/20
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.111+/-0.134 χ²/NDF:27.6/20
+ sign 0.063+/-0.083 χ²/NDF: 34.0/36
All: 0.039+/-0.057 χ²/NDF: 85.0/75
- sign 0.018+/-0.079 χ²/NDF: 50.8/38



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218633.7/20

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

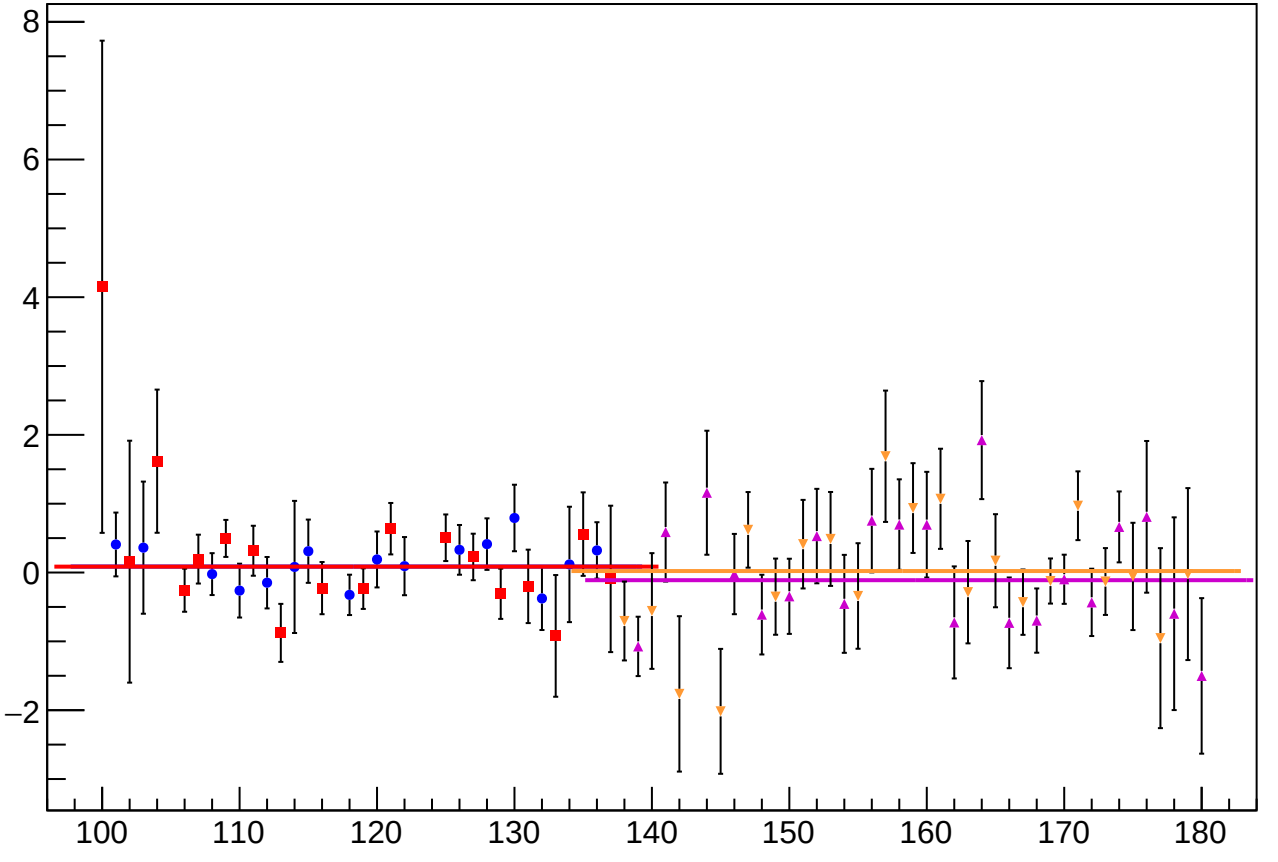
Left In: 523.950+/-0.095 χ^2/NDF:3122590.7/20

+ sign 360.330+/-0.059 χ^2/NDF: 8965572.5/36

All: 345.830+/-0.040 χ^2/NDF: 20401340.9/75

- sign 332.846+/-0.056 χ^2/NDF: 11320919.8/38

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.021+/-0.137 χ^2/NDF:25.0/20

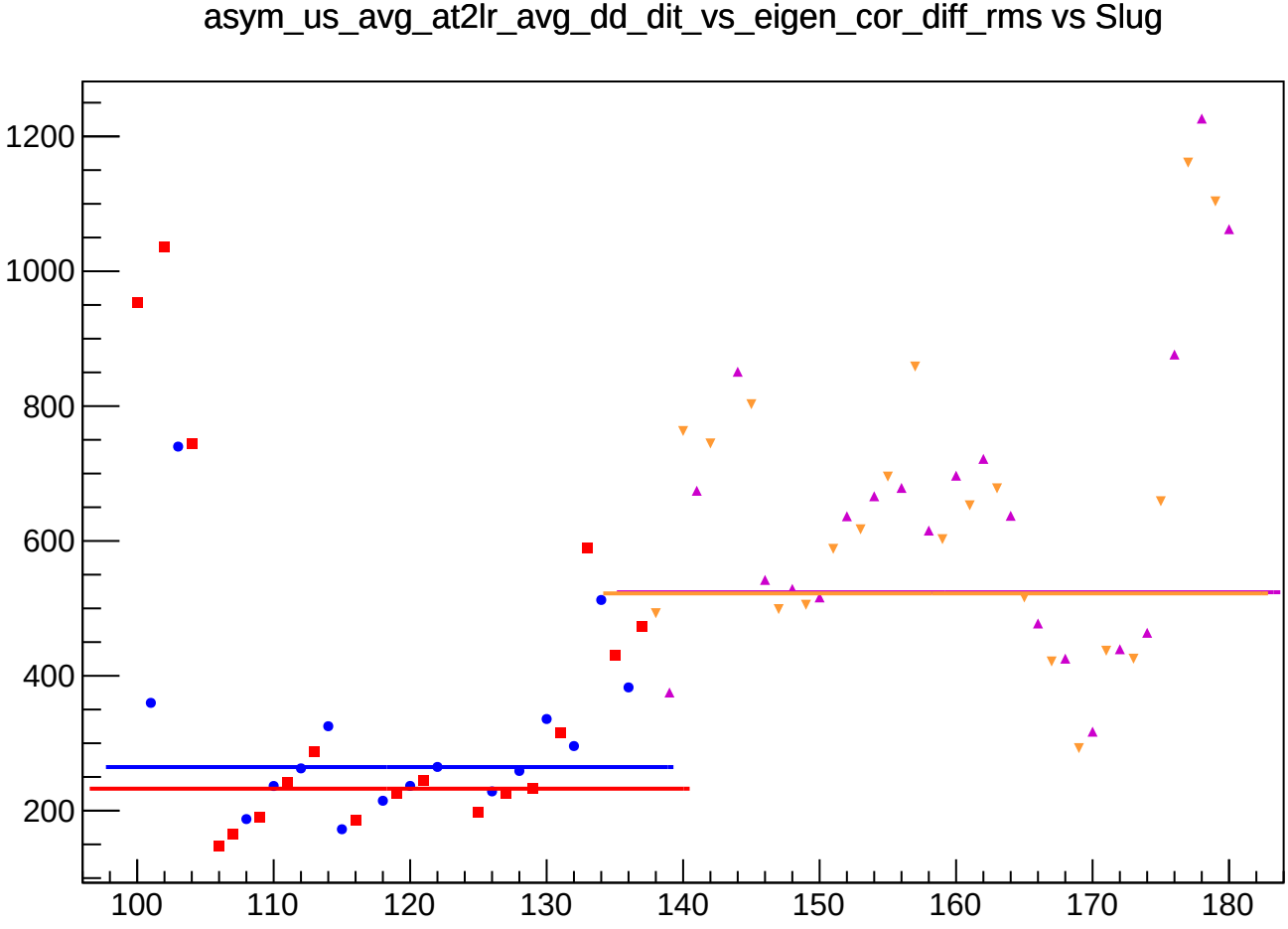
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

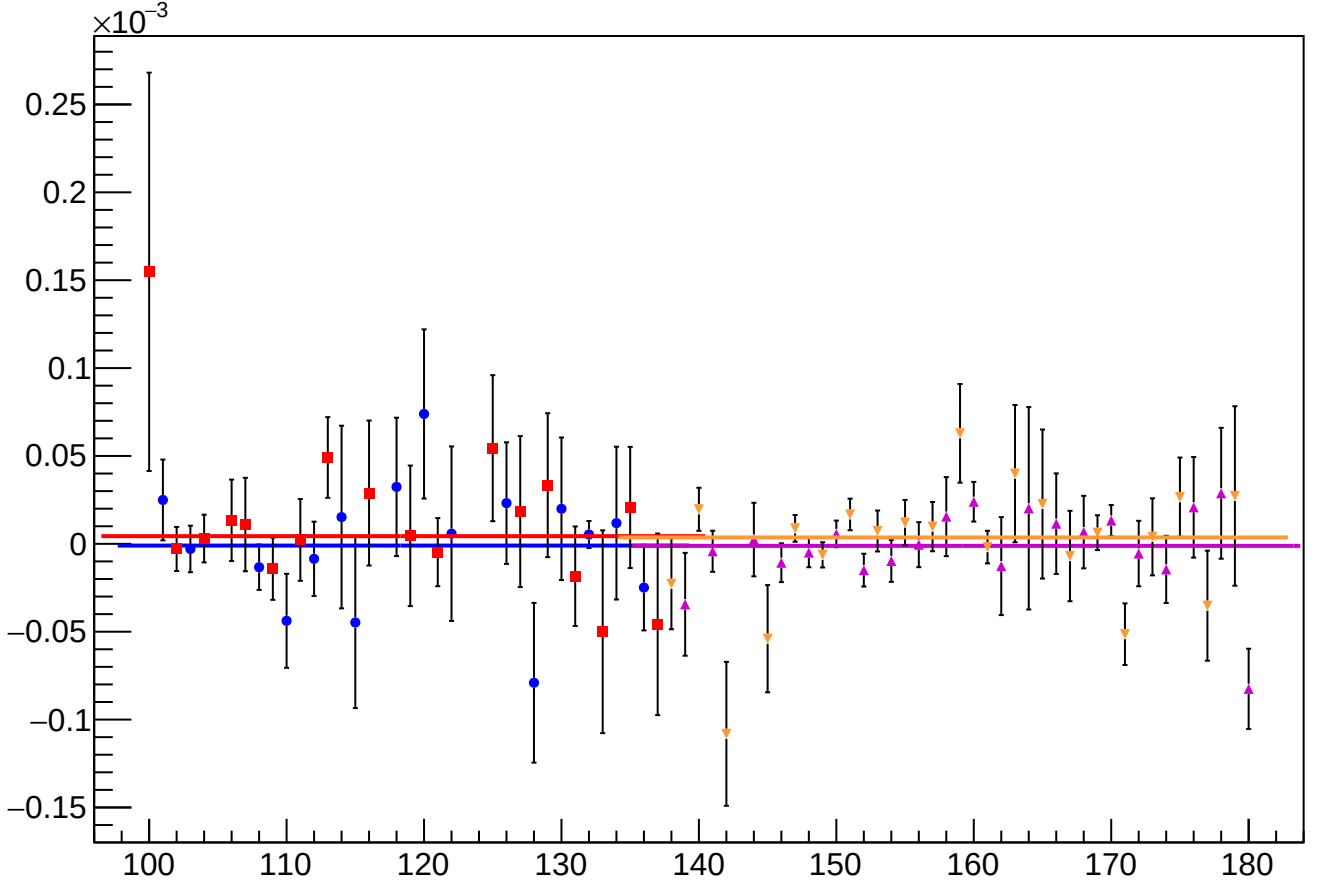
Left In: -0.111+/-0.134 χ^2/NDF:27.6/20

\+ sign 0.063+/-0.083 χ^2/NDF: 34.0/36

All: 0.039+/-0.057 χ^2/NDF: 85.0/75

\- 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
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 522.221+/-0.097 χ²/NDF:3218633.7/20
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 523.950+/-0.095 χ²/NDF:3122590.7/20
+ sign 360.330+/-0.059 χ²/NDF: 8965572.5/36
All: 345.830+/-0.040 χ²/NDF: 20401340.9/75
- 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:37.8/20

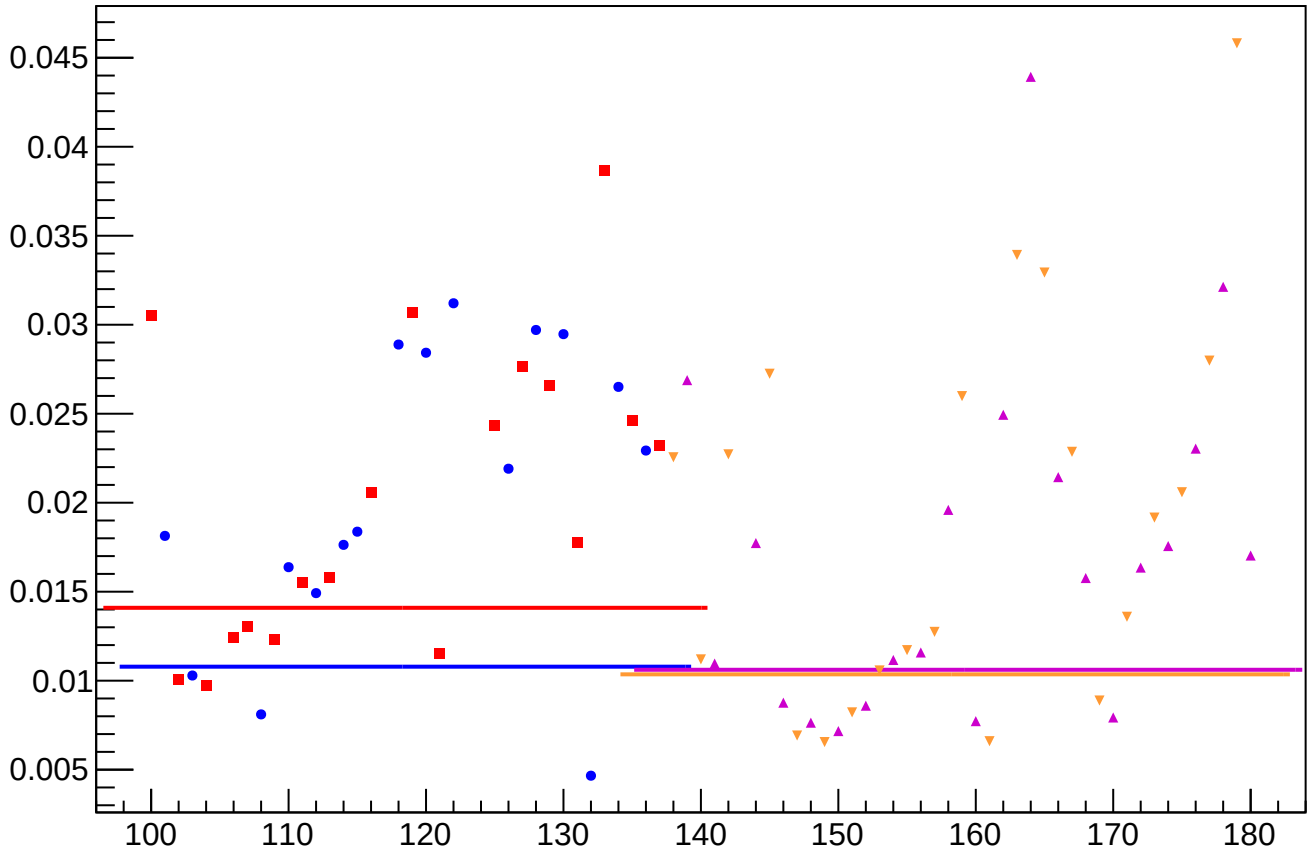
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:29.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/36

All: 0.000+/-0.000 χ^2/NDF: 95.7/75

- 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:7577529.7/20

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

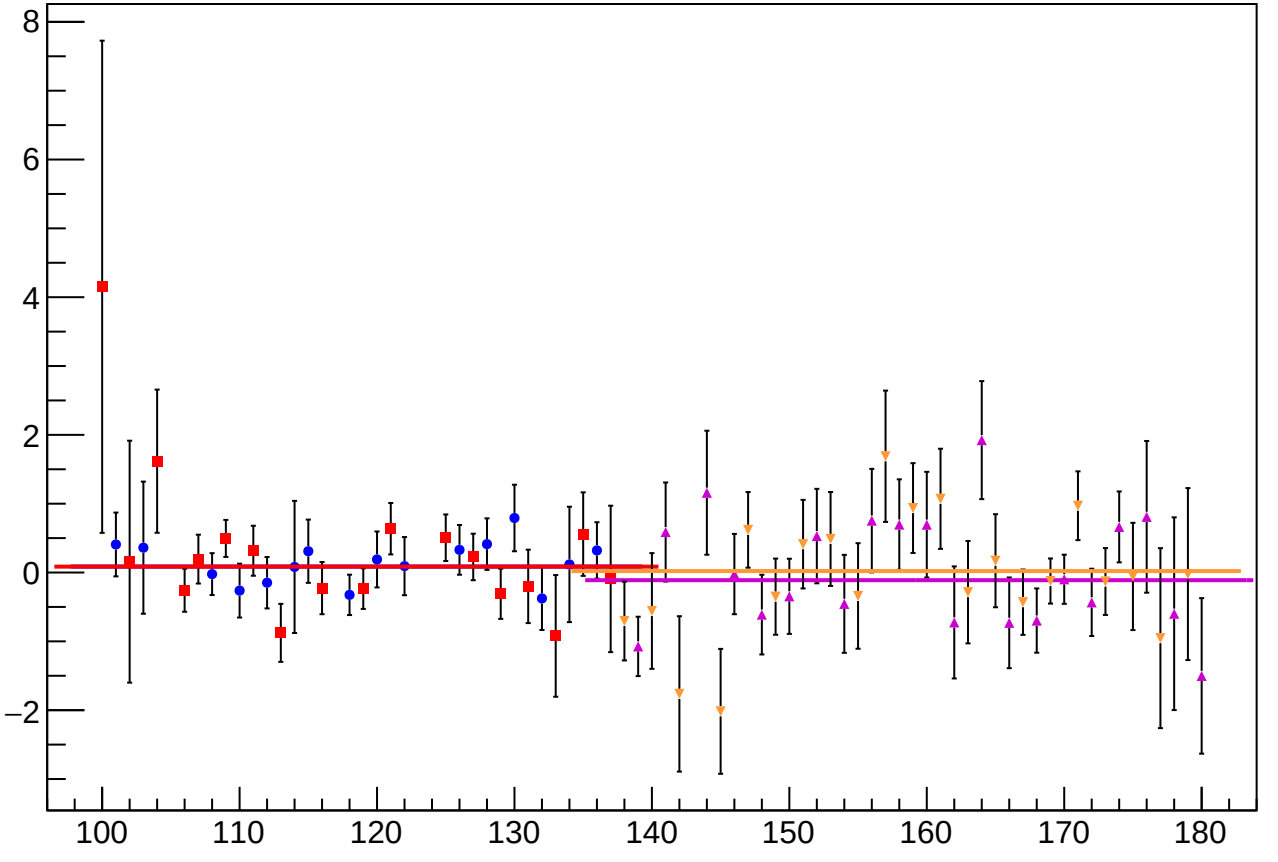
Left In: 0.011+/-0.000 χ^2/NDF:5584601.3/20

+ sign 0.010+/-0.000 χ^2/NDF: 12168638.8/36

All: 0.011+/-0.000 χ^2/NDF: 20534762.6/75

- 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: 0.021+/-0.137 χ^2/NDF:25.0/20

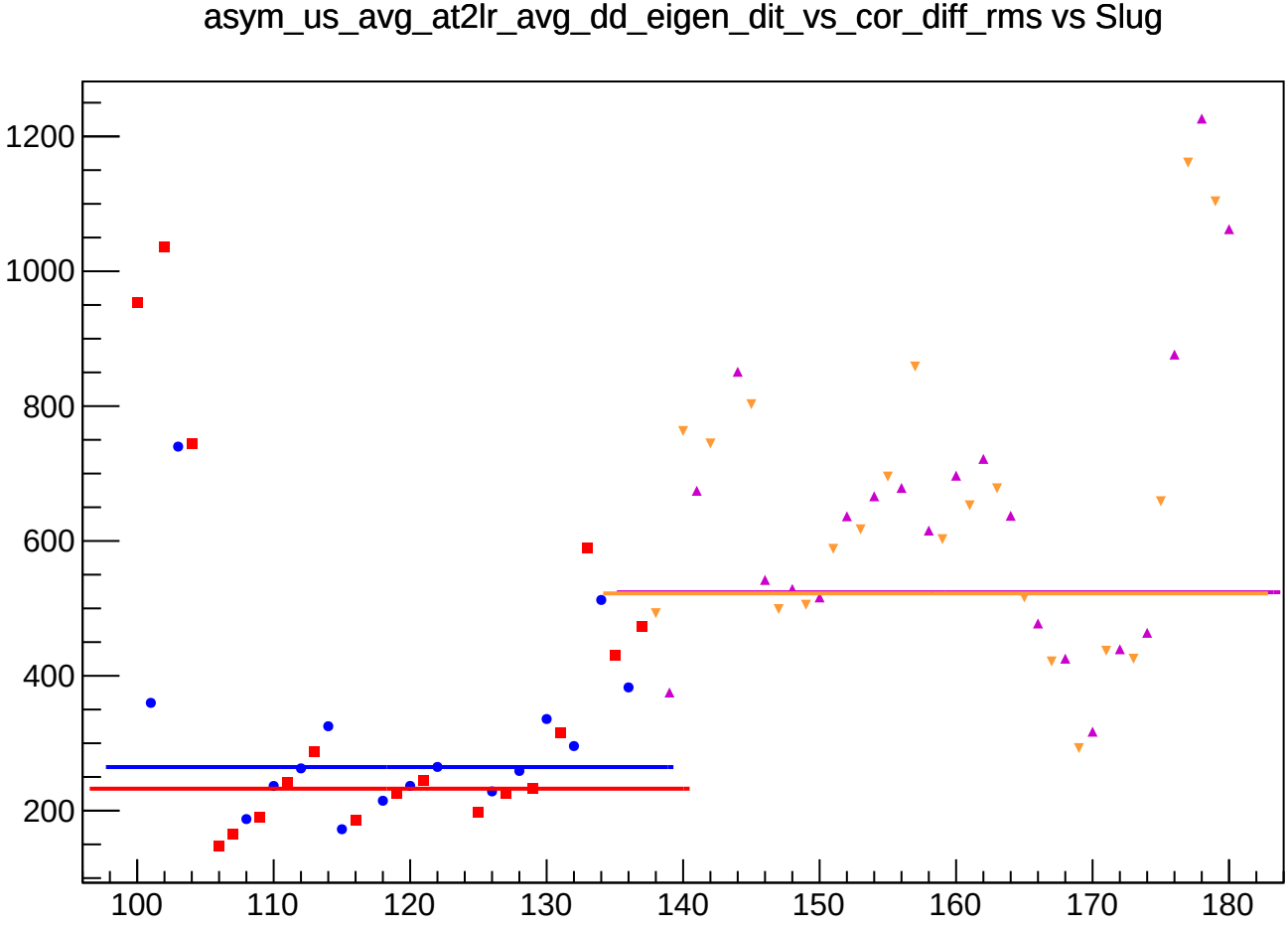
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.111+/-0.134 χ^2/NDF:27.6/20

\+ sign 0.063+/-0.083 χ^2/NDF: 34.0/36

All: 0.039+/-0.057 χ^2/NDF: 85.0/75

\- 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: 522.221+/-0.097 χ^2/NDF:3218803.3/20

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

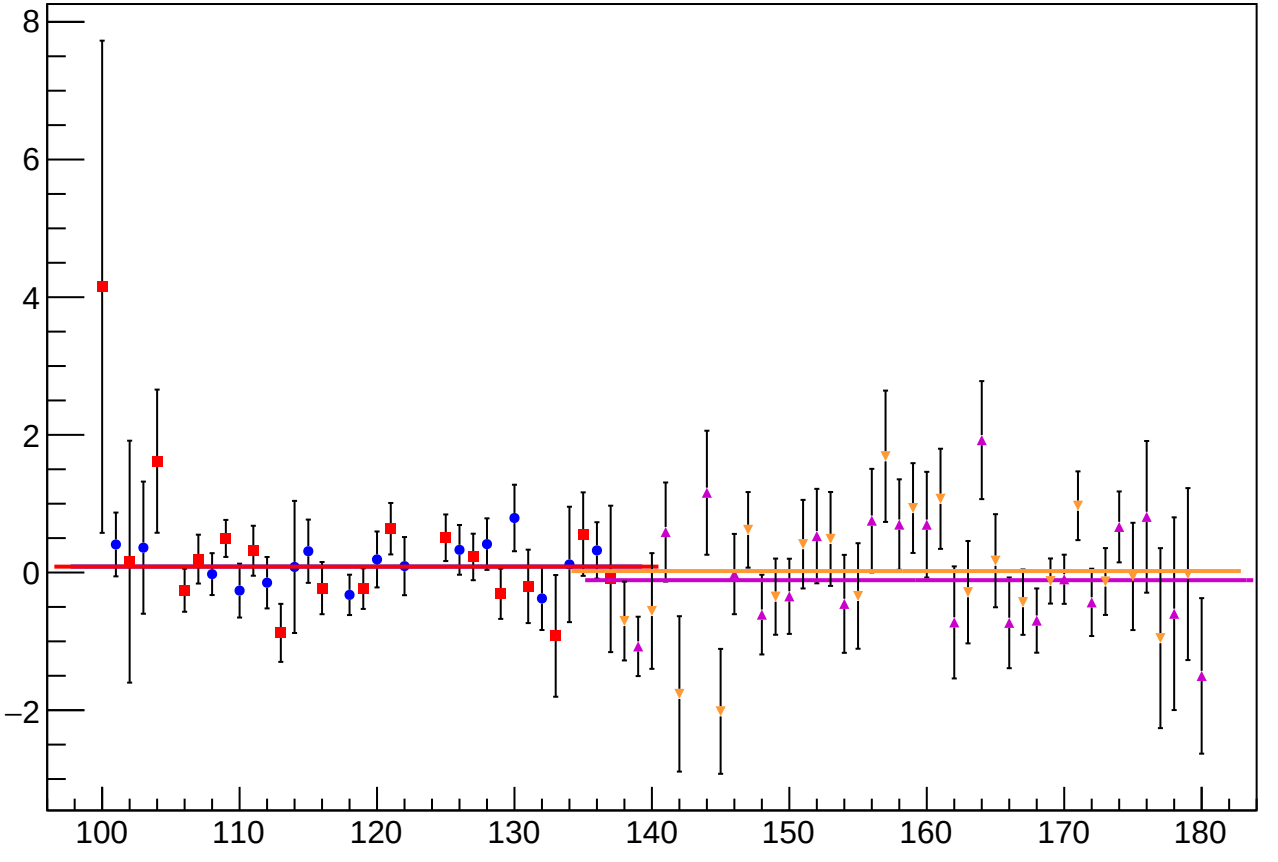
Left In: 523.953+/-0.095 χ^2/NDF:3122675.8/20

+ sign 360.330+/-0.059 χ^2/NDF: 8965715.4/36

All: 345.830+/-0.040 χ^2/NDF: 20401584.5/75

- 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



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.021+/-0.137 χ^2/NDF:25.0/20

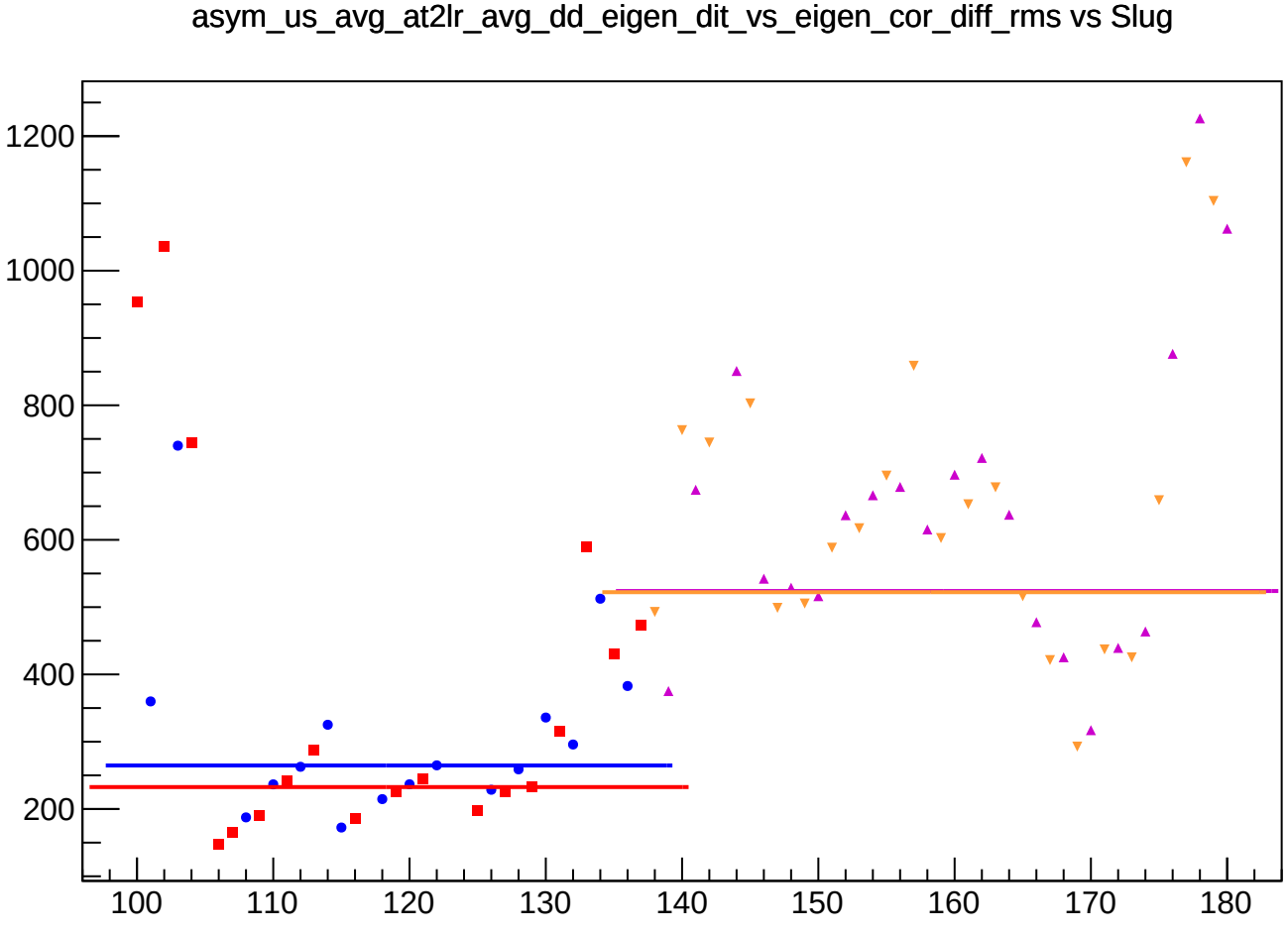
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

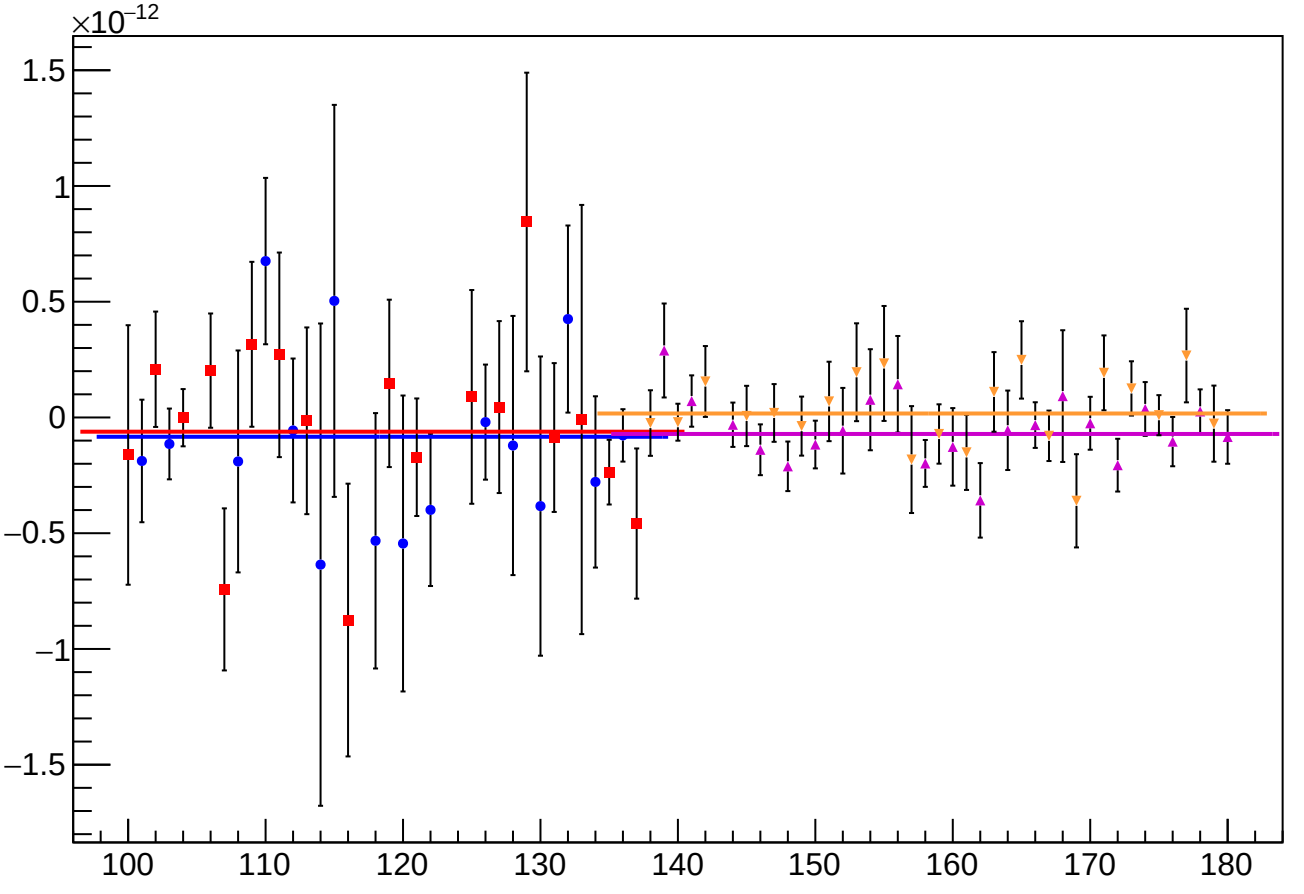
Left In: -0.111+/-0.134 χ^2/NDF:27.6/20

+ sign 0.063+/-0.083 χ^2/NDF: 34.0/36

All: 0.039+/-0.057 χ^2/NDF: 85.0/75

- sign 0.018+/-0.079 χ^2/NDF: 50.8/38


asym_us_avg_at2lr_avg_dd_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: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 522.221+/-0.097 χ²/NDF:3218803.3/20
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 523.953+/-0.095 χ²/NDF:3122675.8/20
+ sign 360.330+/-0.059 χ²/NDF: 8965715.4/36
All: 345.830+/-0.040 χ²/NDF: 20401584.5/75
- sign 332.847+/-0.056 χ²/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:15.3/20

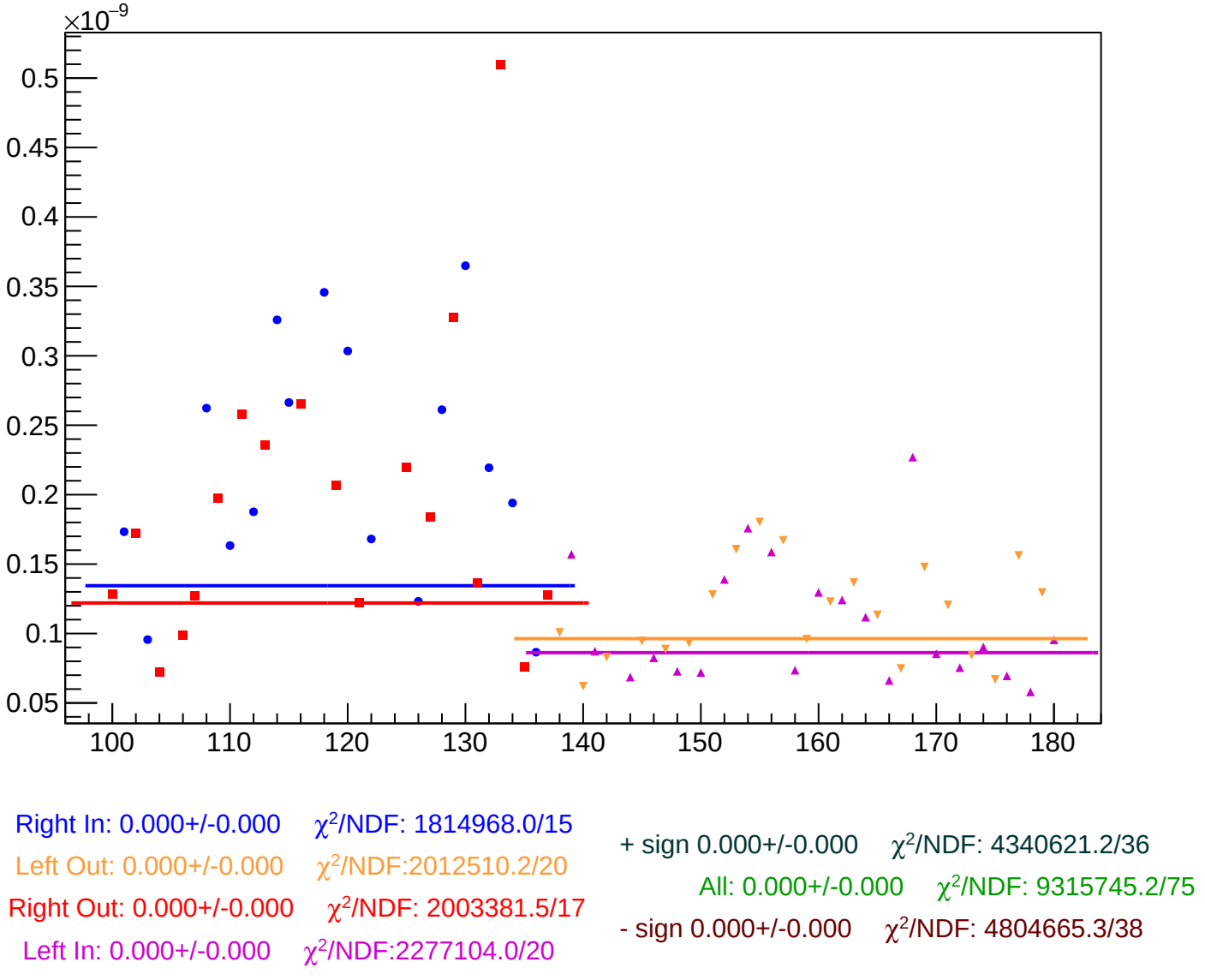
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:17.7/20

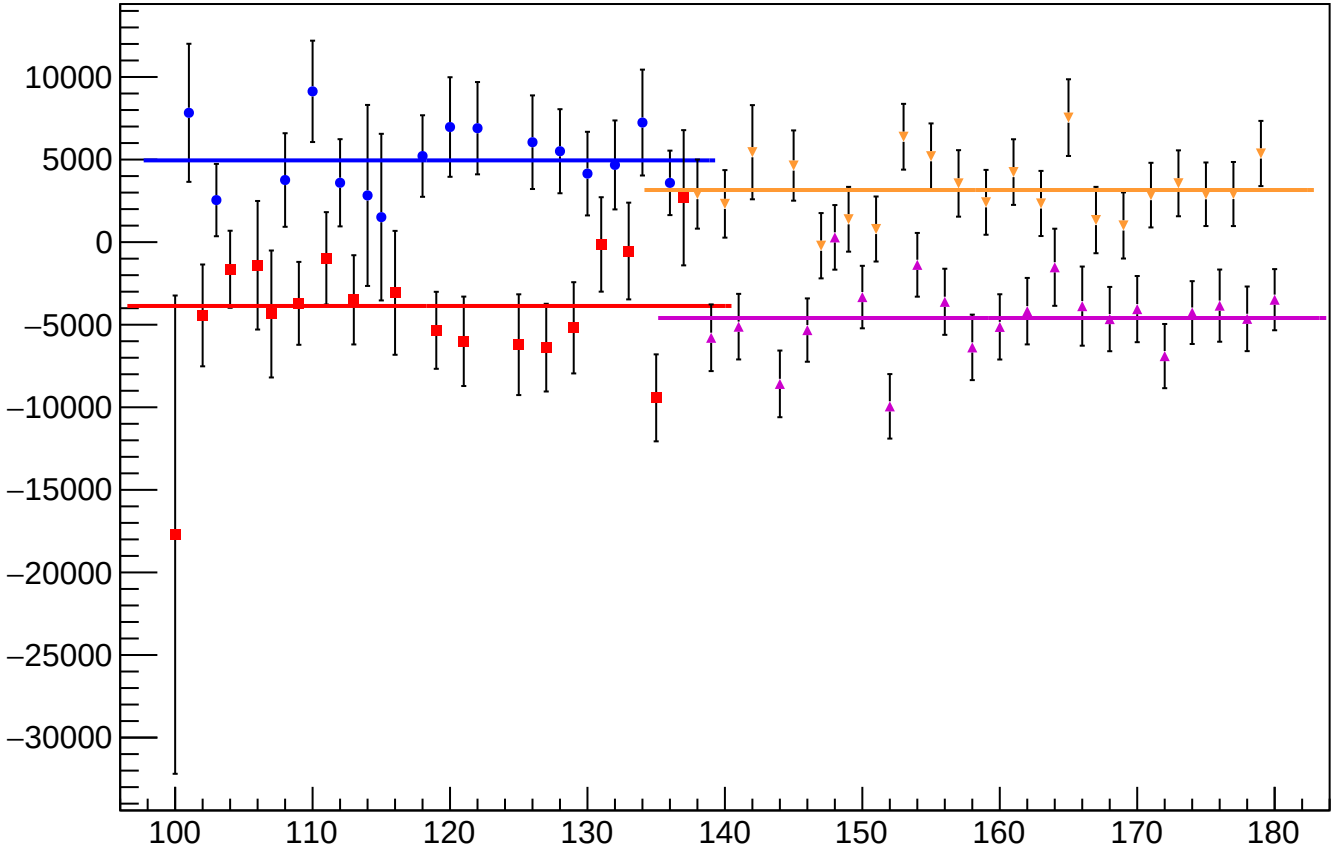
+ sign 0.000+/-0.000 χ^2/NDF: 26.8/36

All: -0.000+/-0.000 χ^2/NDF: 64.0/75

- sign -0.000+/-0.000 χ^2/NDF: 33.5/38


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2012510.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:2277104.0/20
+ sign 0.000+/-0.000 χ²/NDF: 4340621.2/36
All: 0.000+/-0.000 χ²/NDF: 9315745.2/75
- sign 0.000+/-0.000 χ²/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: 3156.659+/-443.055 χ^2/NDF:17.7/20

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

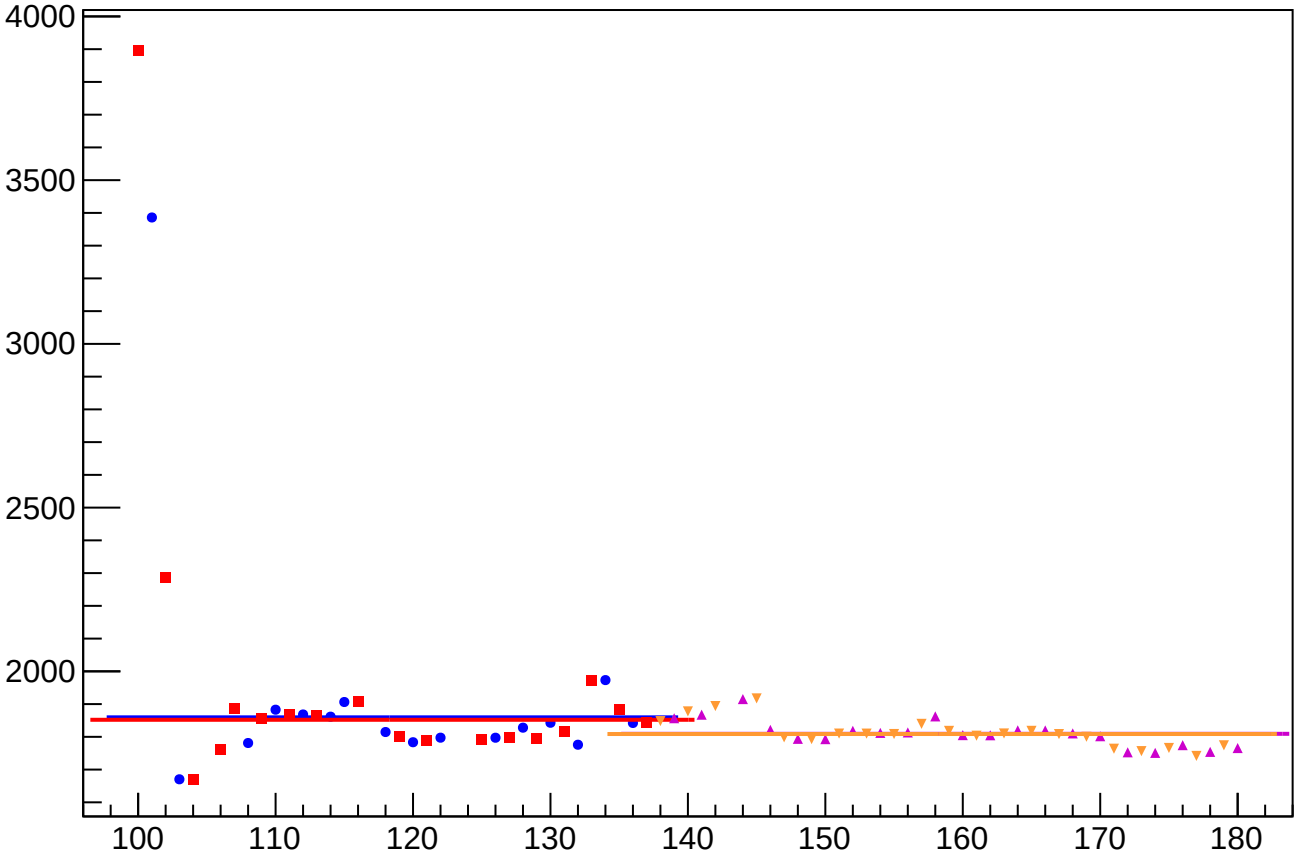
Left In: -4593.685+/-435.665 χ^2/NDF:26.4/20

+ sign 3670.805+/-374.206 χ^2/NDF: 29.2/36

All: -412.545+/-262.835 χ^2/NDF: 307.6/75

- 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: 1808.612+/-0.313 χ^2/NDF:17198.7/20

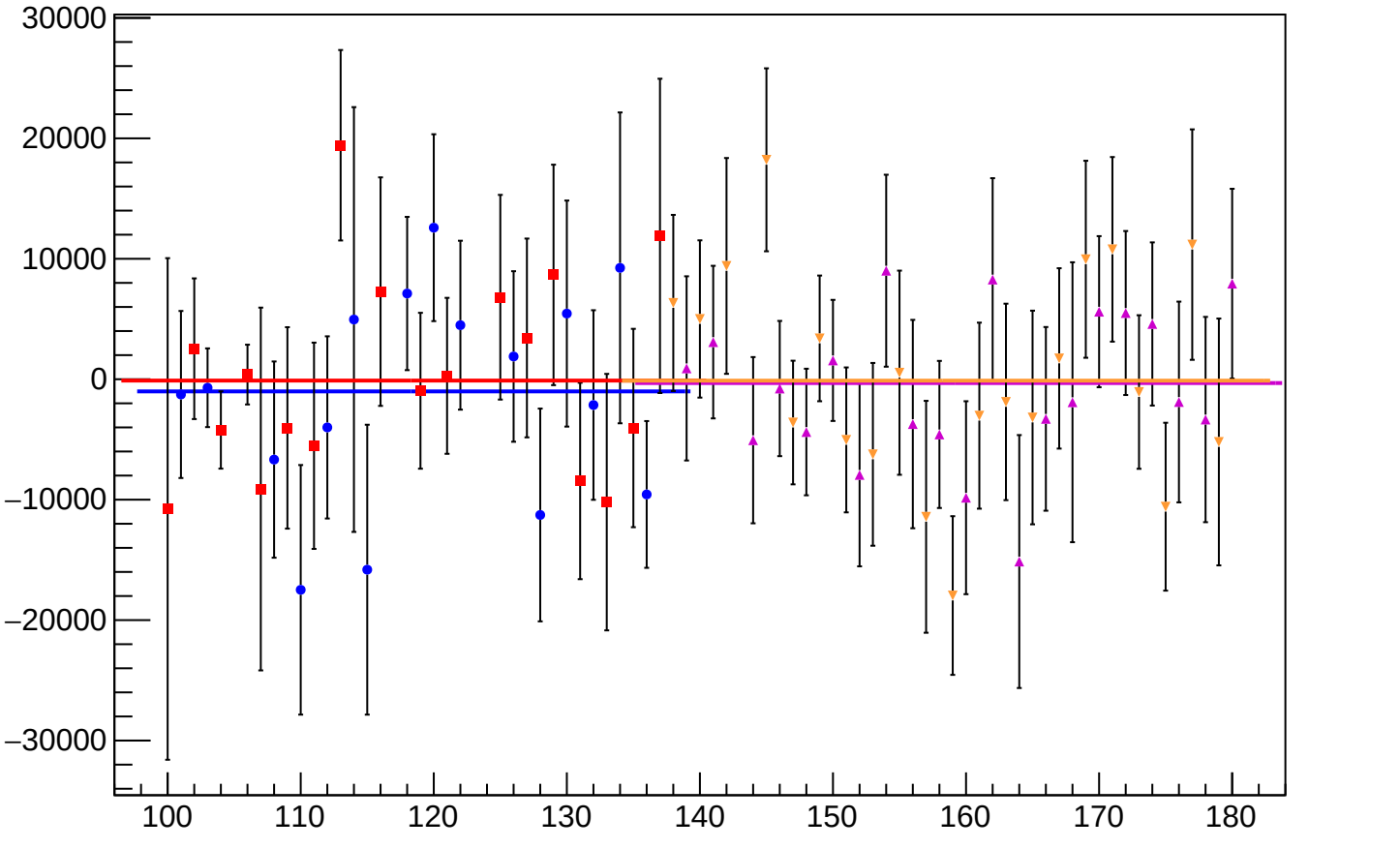
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1809.205+/-0.308 χ^2/NDF:17091.0/20

+ sign 1823.202+/-0.265 χ^2/NDF: 317098.9/36

All: 1822.252+/-0.186 χ^2/NDF: 441903.2/75

- 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: -119.657+/-1582.405 χ^2/NDF:27.1/20

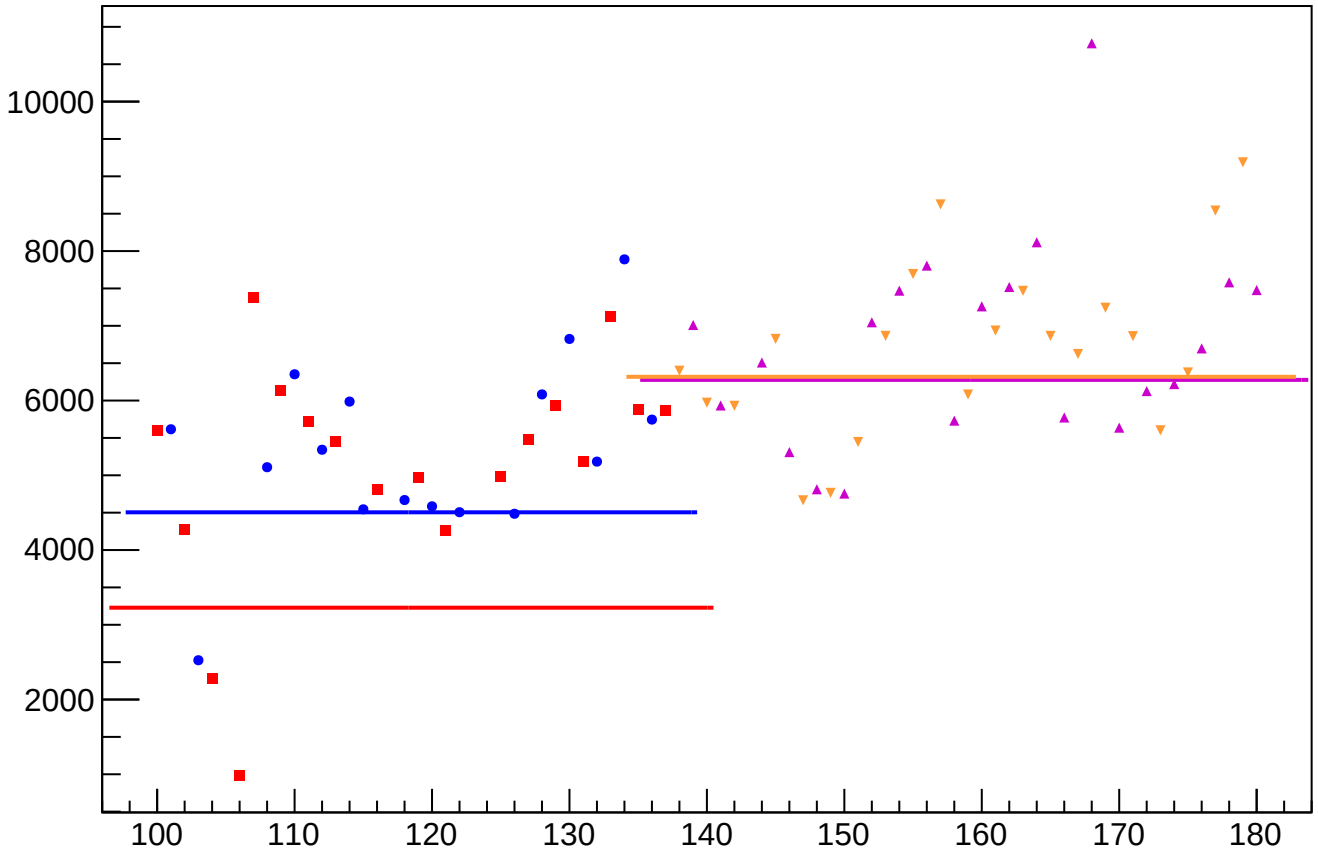
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -316.384+/-1542.550 χ^2/NDF:12.6/20

+ sign -516.738+/-1177.970 χ^2/NDF: 42.0/36

All: -344.252+/-784.664 χ^2/NDF: 69.3/75

- 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: 6317.746+/-1.119 χ^2/NDF:1014857.7/20

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

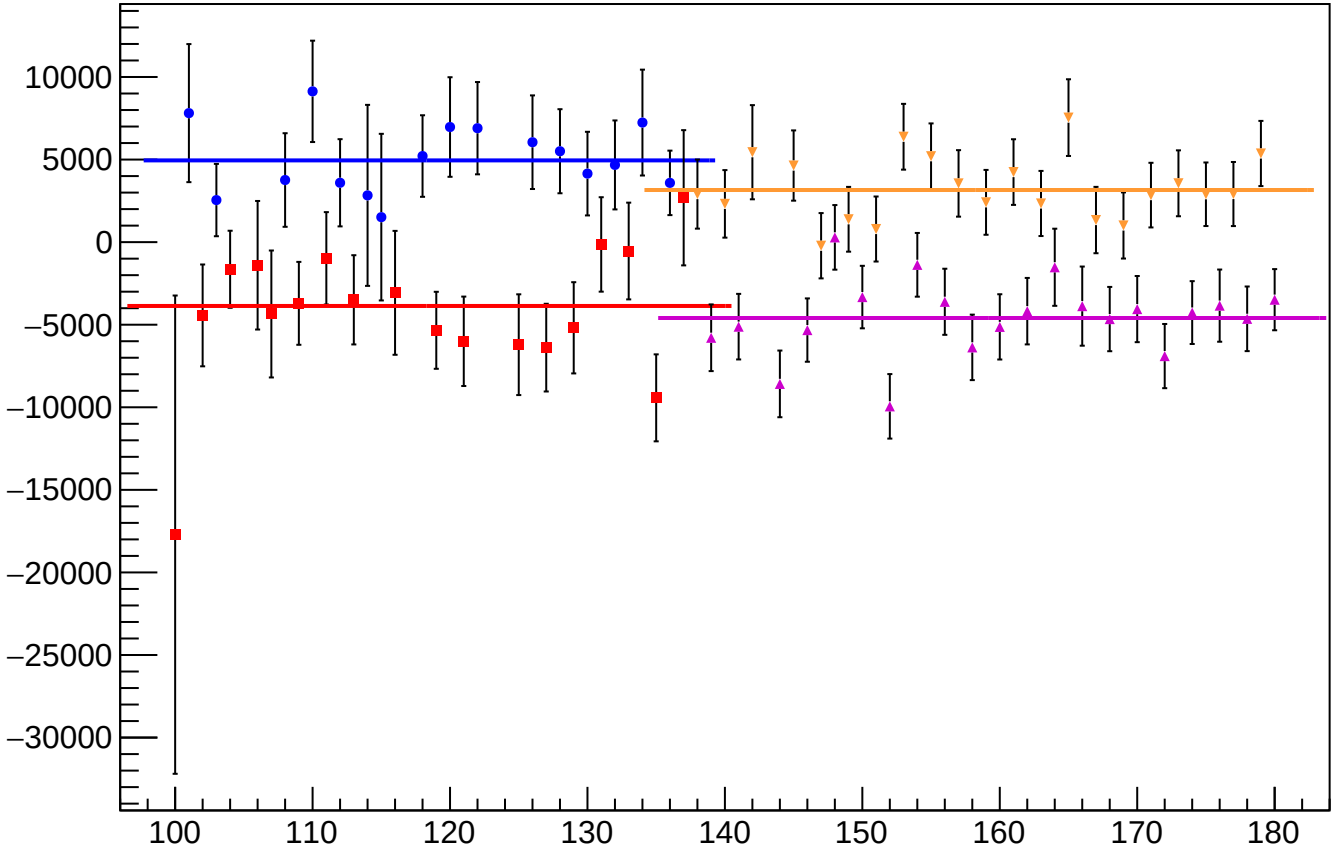
Left In: 6276.646+/-1.091 χ^2/NDF:1132845.8/20

+ sign 5509.451+/-0.833 χ^2/NDF: 3506410.8/36

All: 5029.335+/-0.555 χ^2/NDF: 13369570.1/7

- 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: 3156.597+/-443.055 χ^2/NDF:17.7/20

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

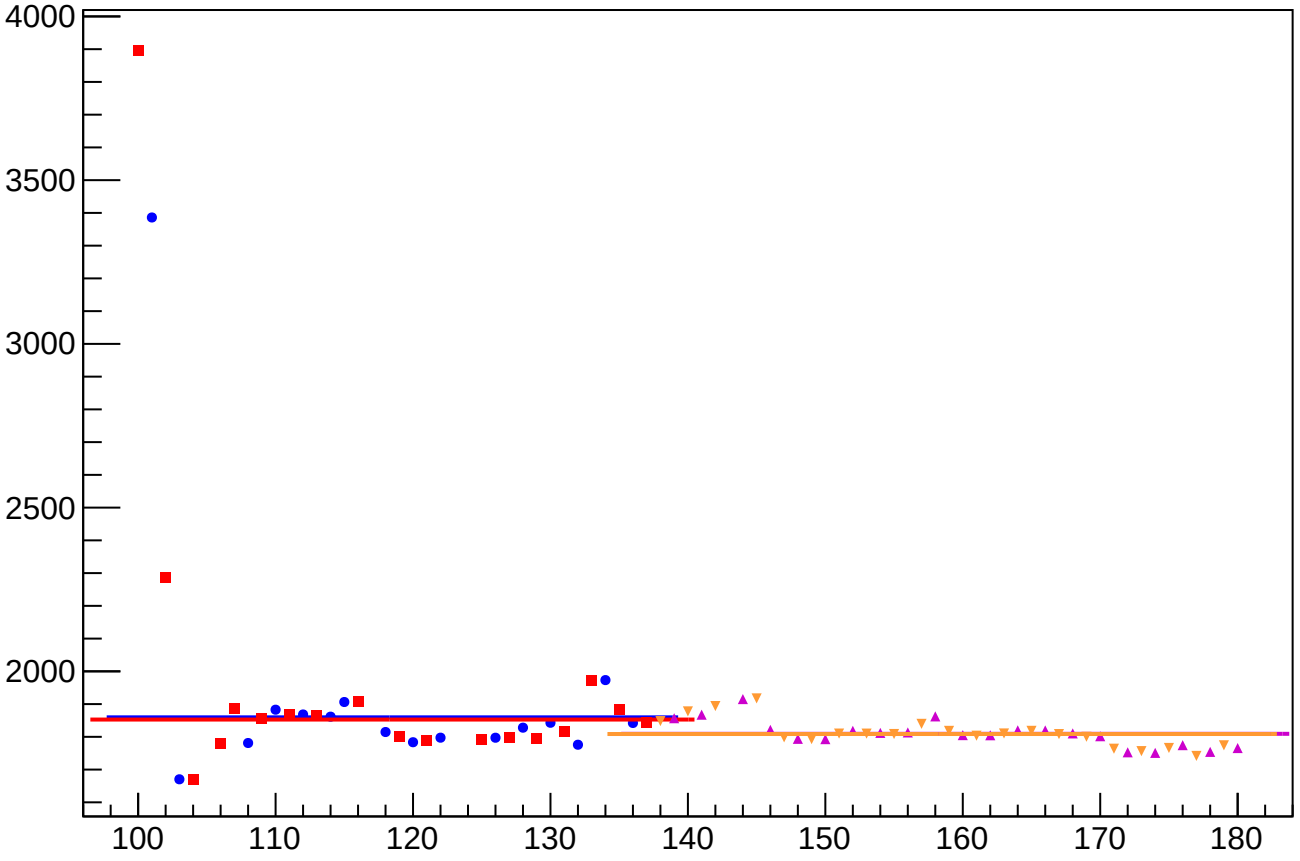
Left In: -4593.699+/-435.665 χ^2/NDF:26.4/20

+ sign 3670.622+/-374.206 χ^2/NDF: 29.2/36

All: -412.610+/-262.835 χ^2/NDF: 307.6/75

- 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: 1808.612+/-0.313 χ^2/NDF:17198.7/20

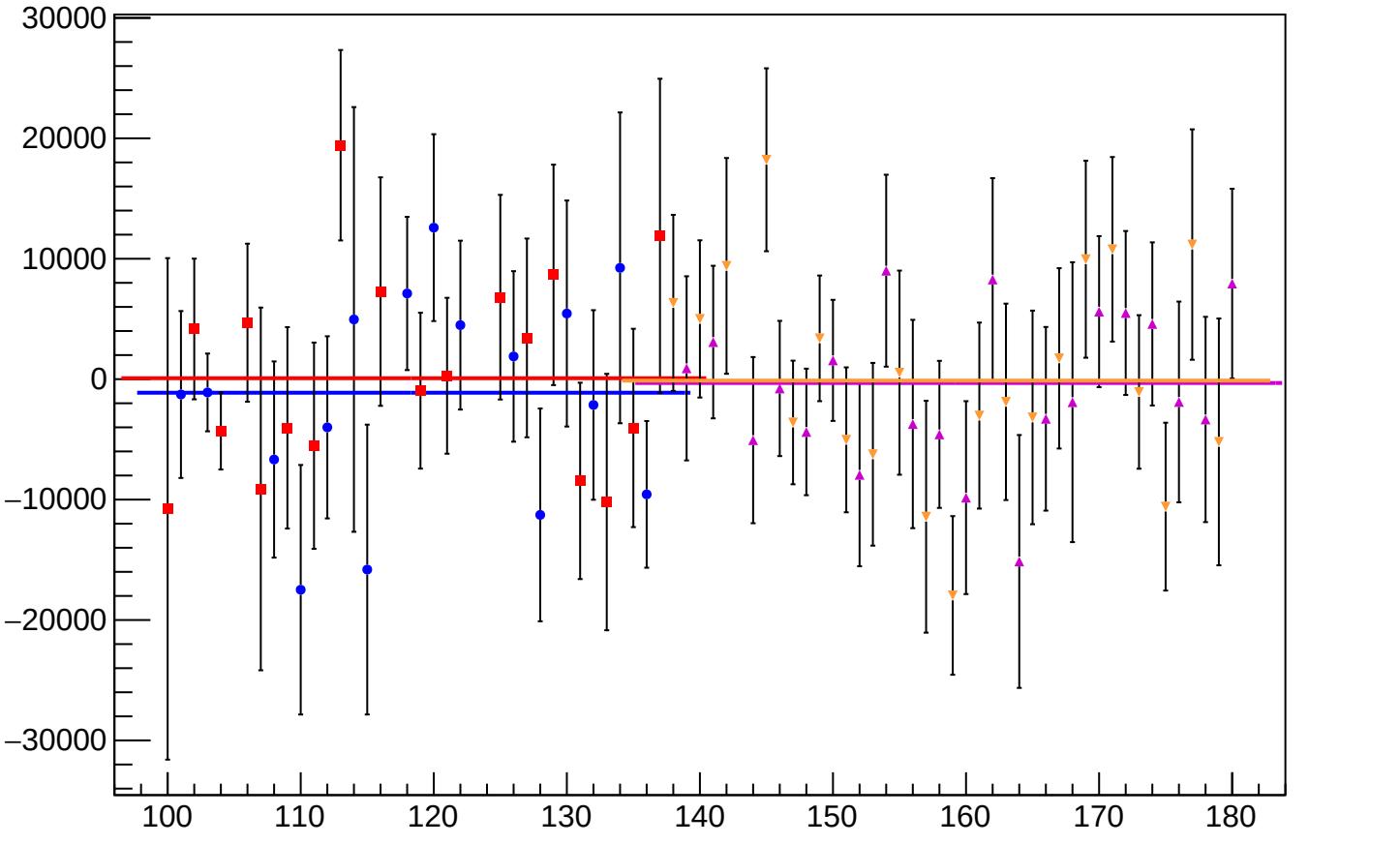
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1809.205+/-0.308 χ^2/NDF:17091.0/20

+ sign 1823.202+/-0.265 χ^2/NDF: 317100.7/36

All: 1822.351+/-0.186 χ^2/NDF: 441617.2/75

- 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: -119.693+/-1582.404 χ^2/NDF:27.1/20

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

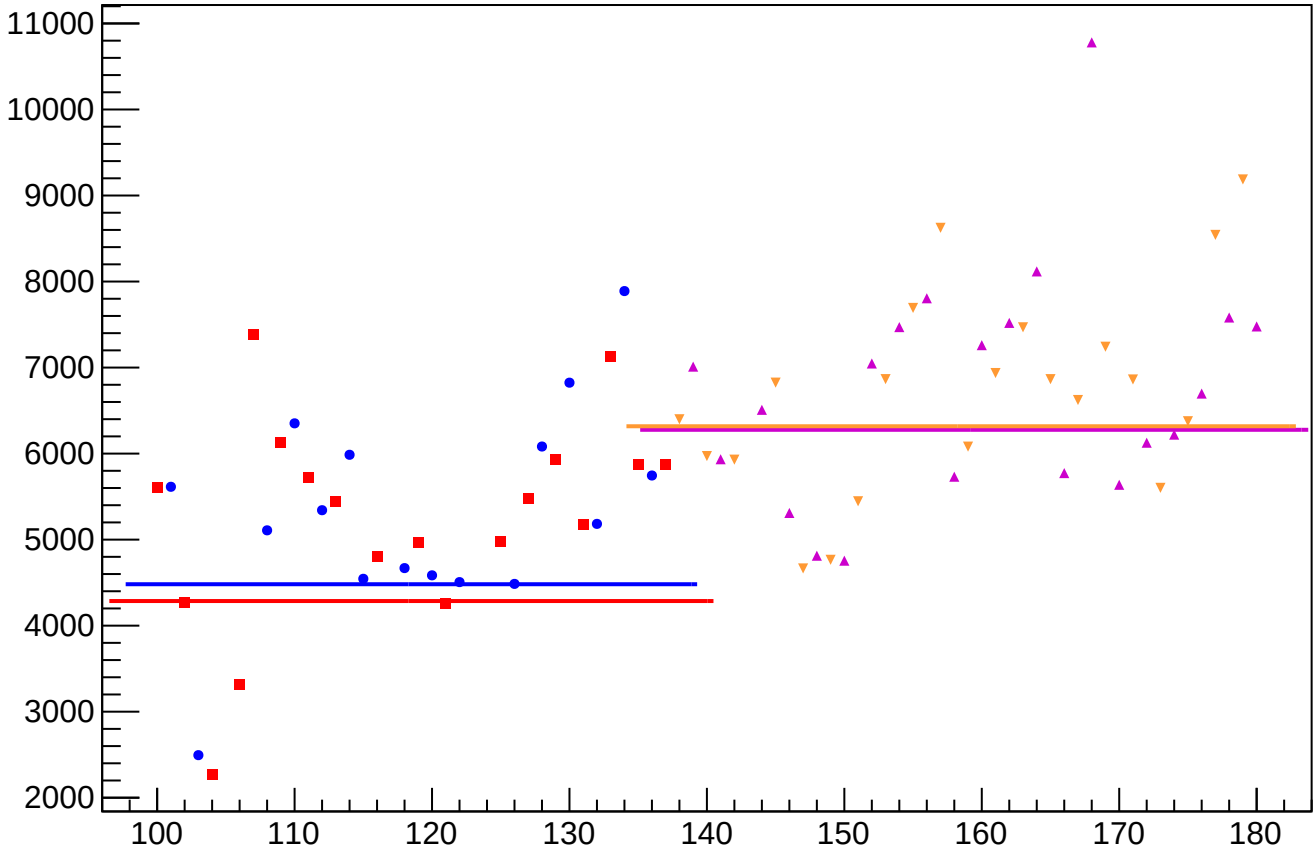
Left In: -316.469+/-1542.550 χ^2/NDF:12.6/20

+ sign -569.935+/-1176.087 χ^2/NDF: 42.0/36

All: -348.085+/-819.710 χ^2/NDF: 70.3/75

- 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: 6317.742+/-1.119 χ^2/NDF:1014868.7/20

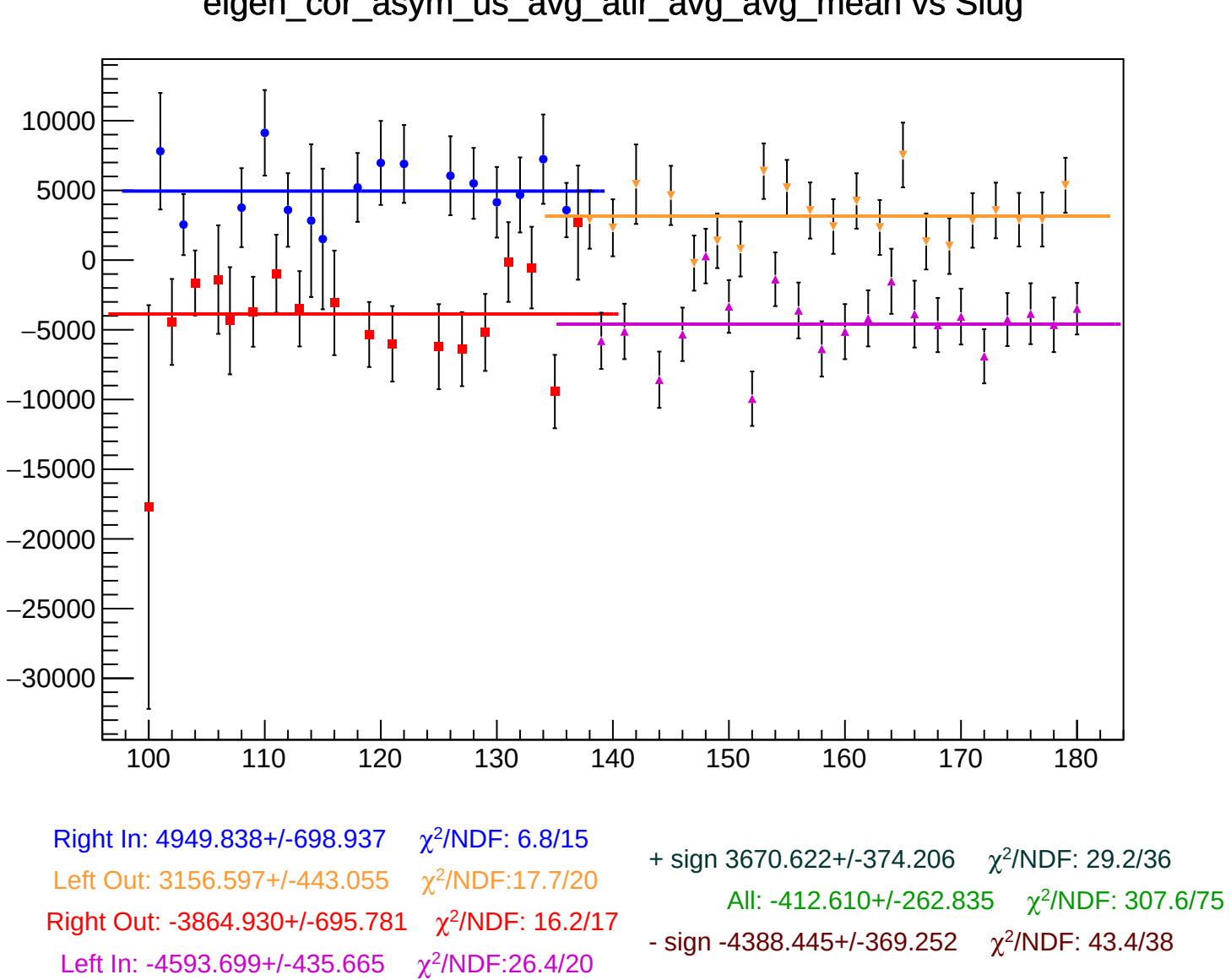
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6276.645+/-1.091 χ^2/NDF:1132852.4/20

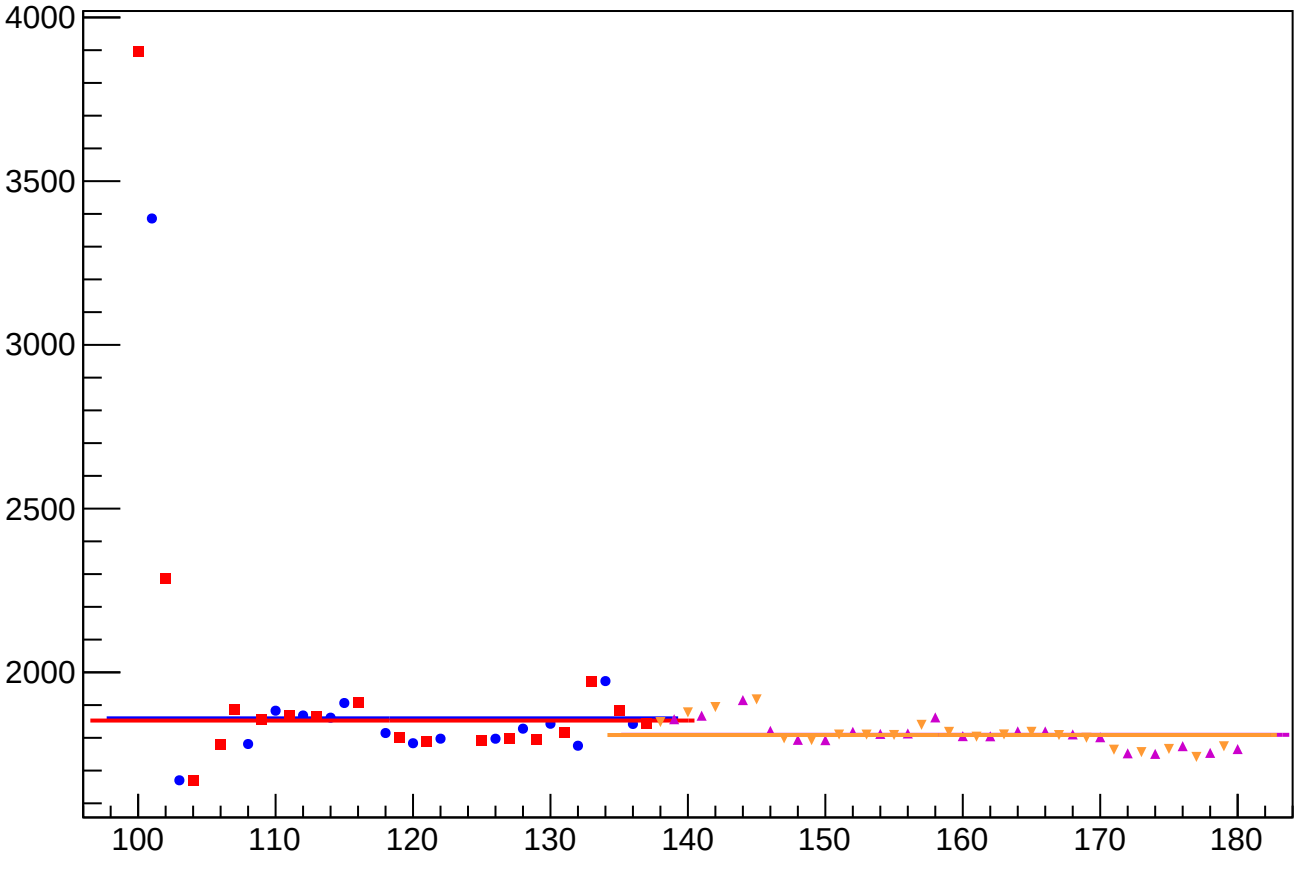
+ sign 5495.825+/-0.832 χ^2/NDF: 3582571.5/36

All: 5435.869+/-0.580 χ^2/NDF: 7776839.4/75

- 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: 3156.597+/-443.055 χ²/NDF:17.7/20
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4593.699+/-435.665 χ²/NDF:26.4/20
+ sign 3670.622+/-374.206 χ²/NDF: 29.2/36
All: -412.610+/-262.835 χ²/NDF: 307.6/75
- sign -4388.445+/-369.252 χ²/NDF: 43.4/38

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1808.612+/-0.313 χ^2/NDF:17198.7/20

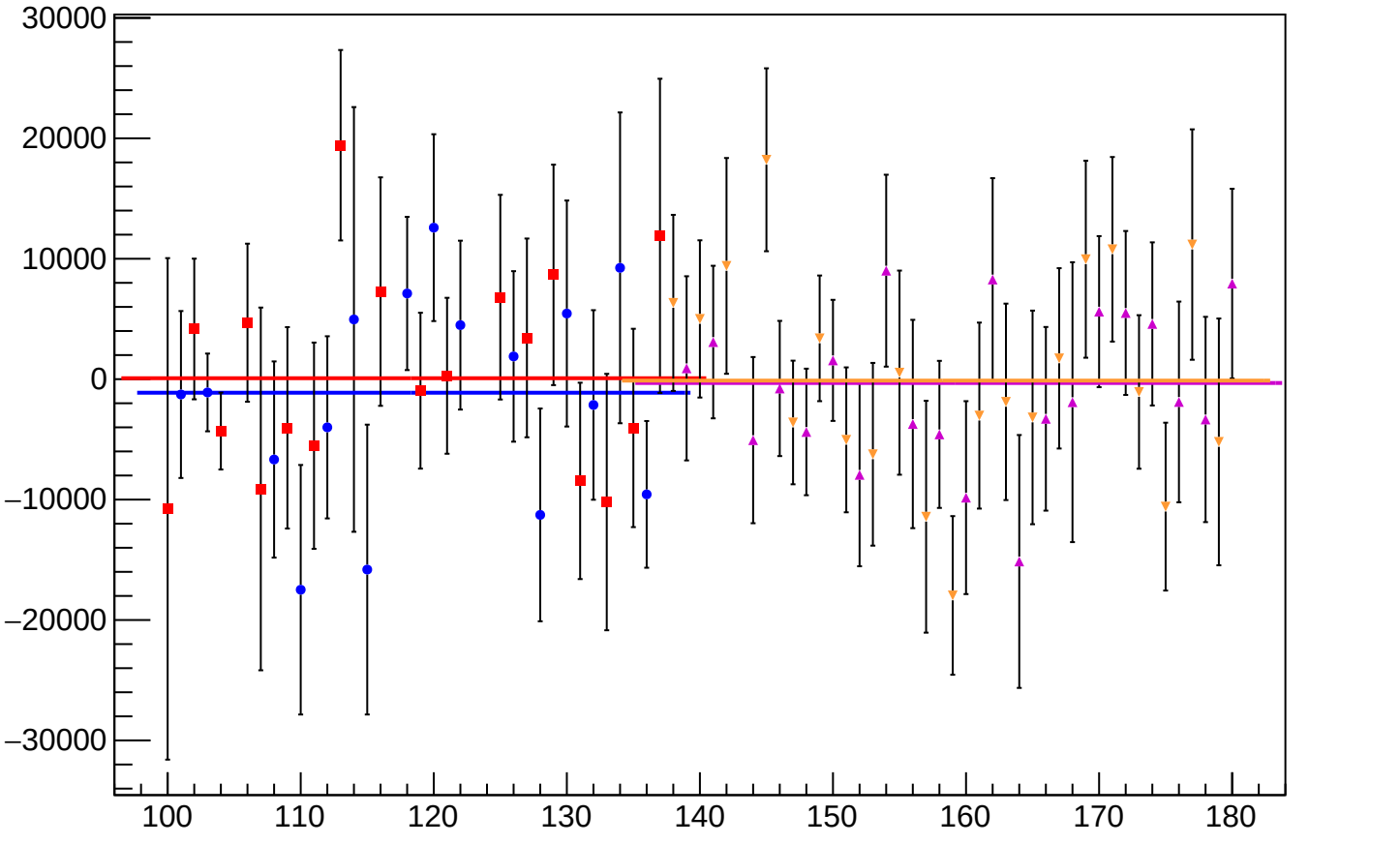
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1809.205+/-0.308 χ^2/NDF:17091.0/20

+ sign 1823.202+/-0.265 χ^2/NDF: 317100.7/36

All: 1822.351+/-0.186 χ^2/NDF: 441617.2/75

- 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: -119.693+/-1582.404 χ^2/NDF:27.1/20

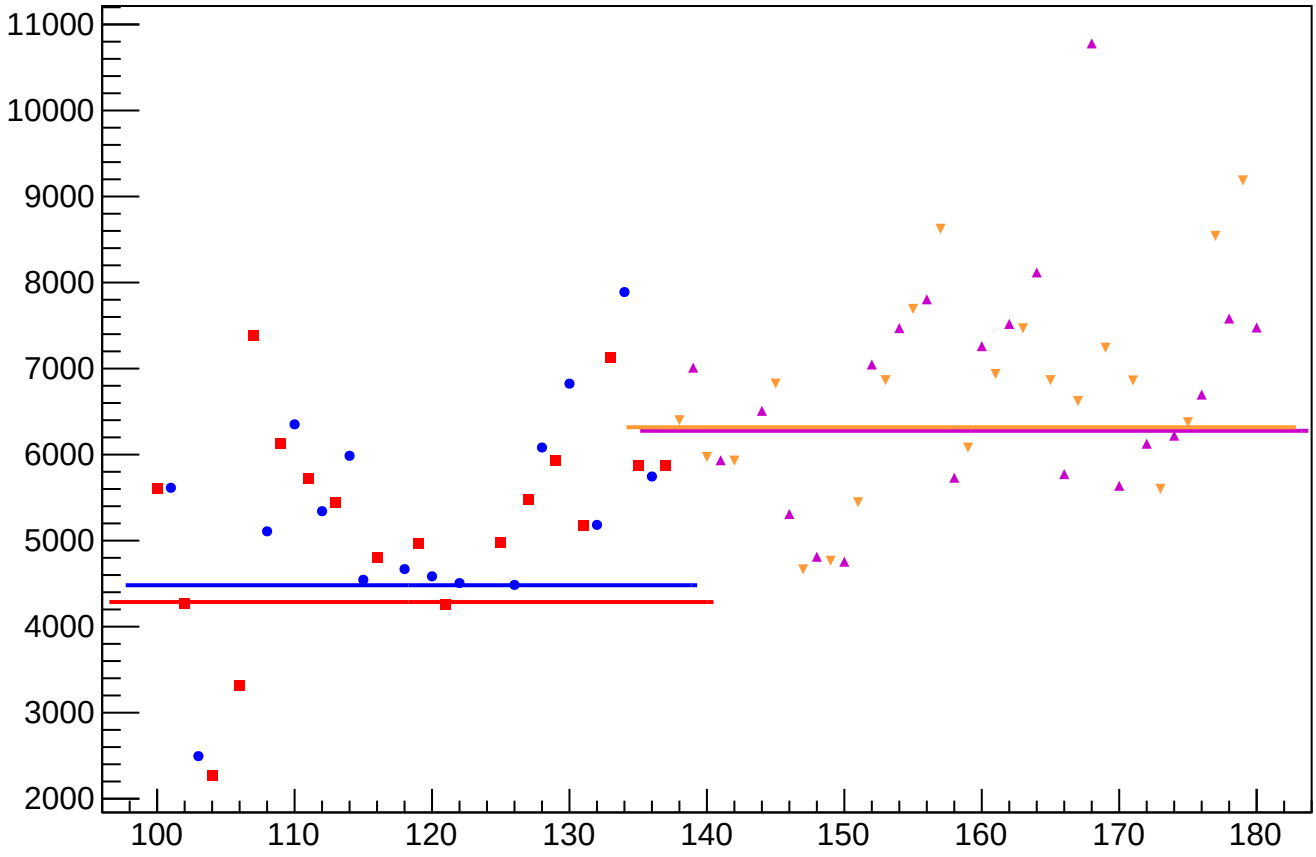
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -316.469+/-1542.550 χ^2/NDF:12.6/20

+ sign -569.935+/-1176.087 χ^2/NDF: 42.0/36

All: -348.085+/-819.710 χ^2/NDF: 70.3/75

- 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: 6317.742+/-1.119 χ^2/NDF:1014868.7/20

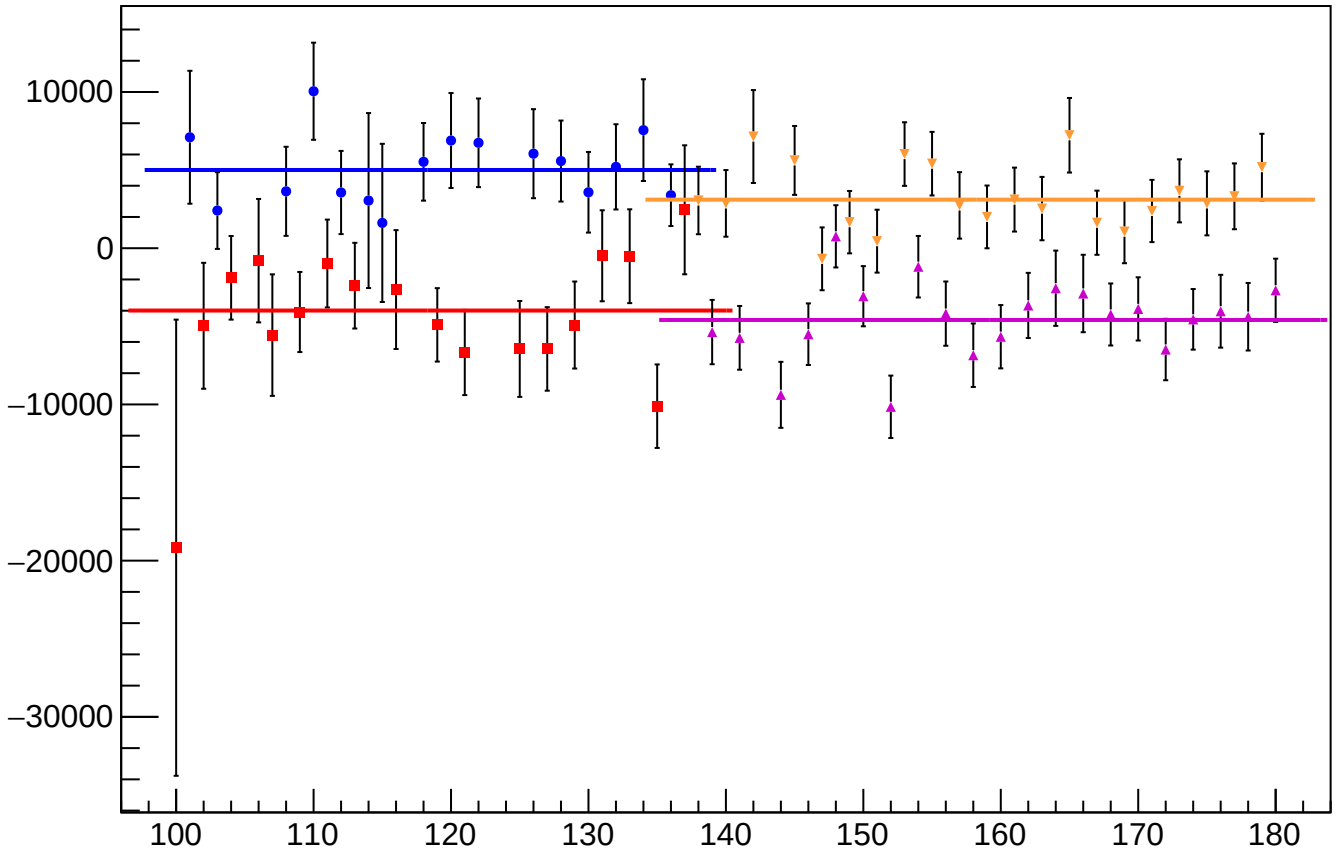
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6276.645+/-1.091 χ^2/NDF:1132852.4/20

+ sign 5495.825+/-0.832 χ^2/NDF: 3582571.5/36

All: 5435.869+/-0.580 χ^2/NDF: 7776839.4/75

- 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: 3108.254+/-457.973 χ^2/NDF:18.4/20

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

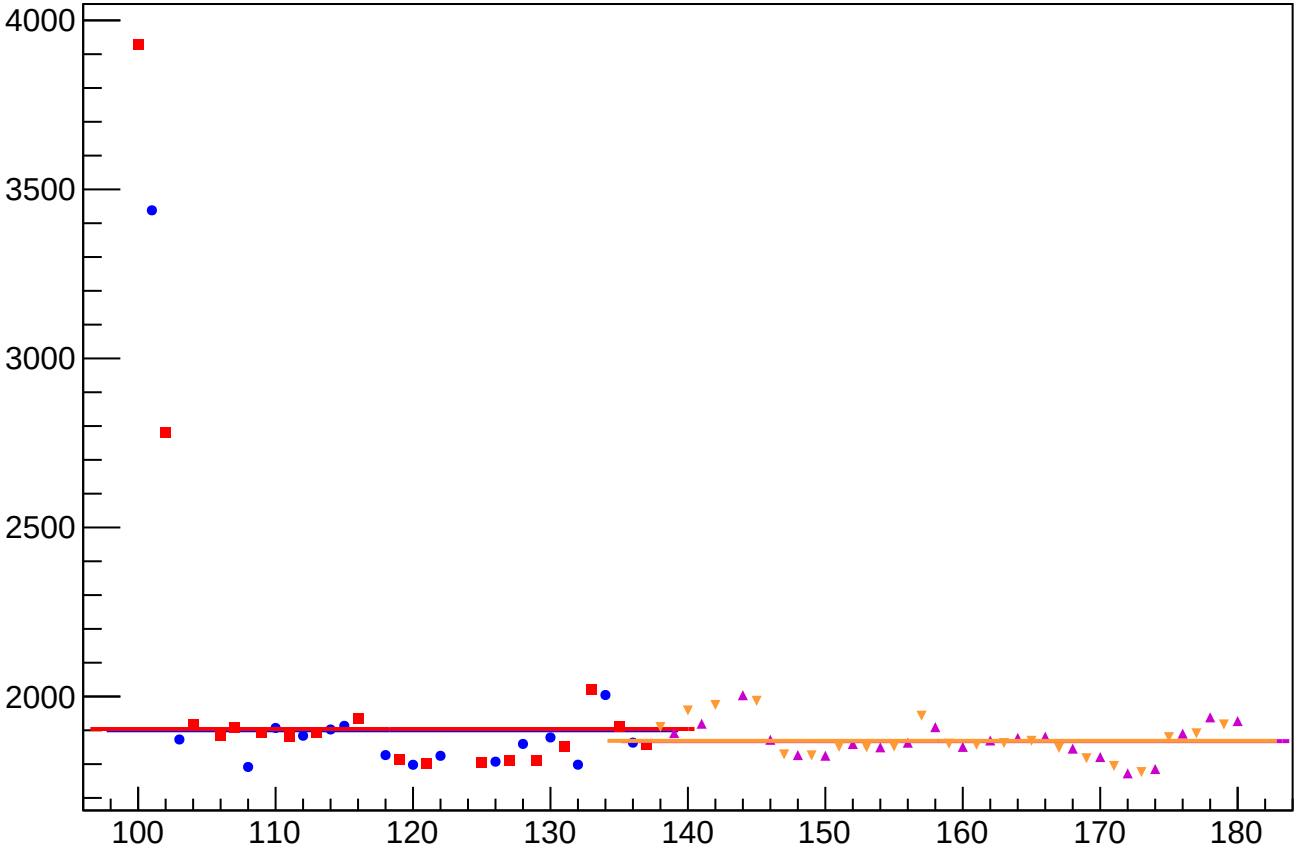
Left In: -4592.899+/-449.964 χ^2/NDF:29.4/20

+ sign 3661.749+/-385.499 χ^2/NDF: 31.1/36

All: -423.500+/-271.139 χ^2/NDF: 300.6/75

- 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: 1868.851+/-0.324 χ^2/NDF:27132.4/20

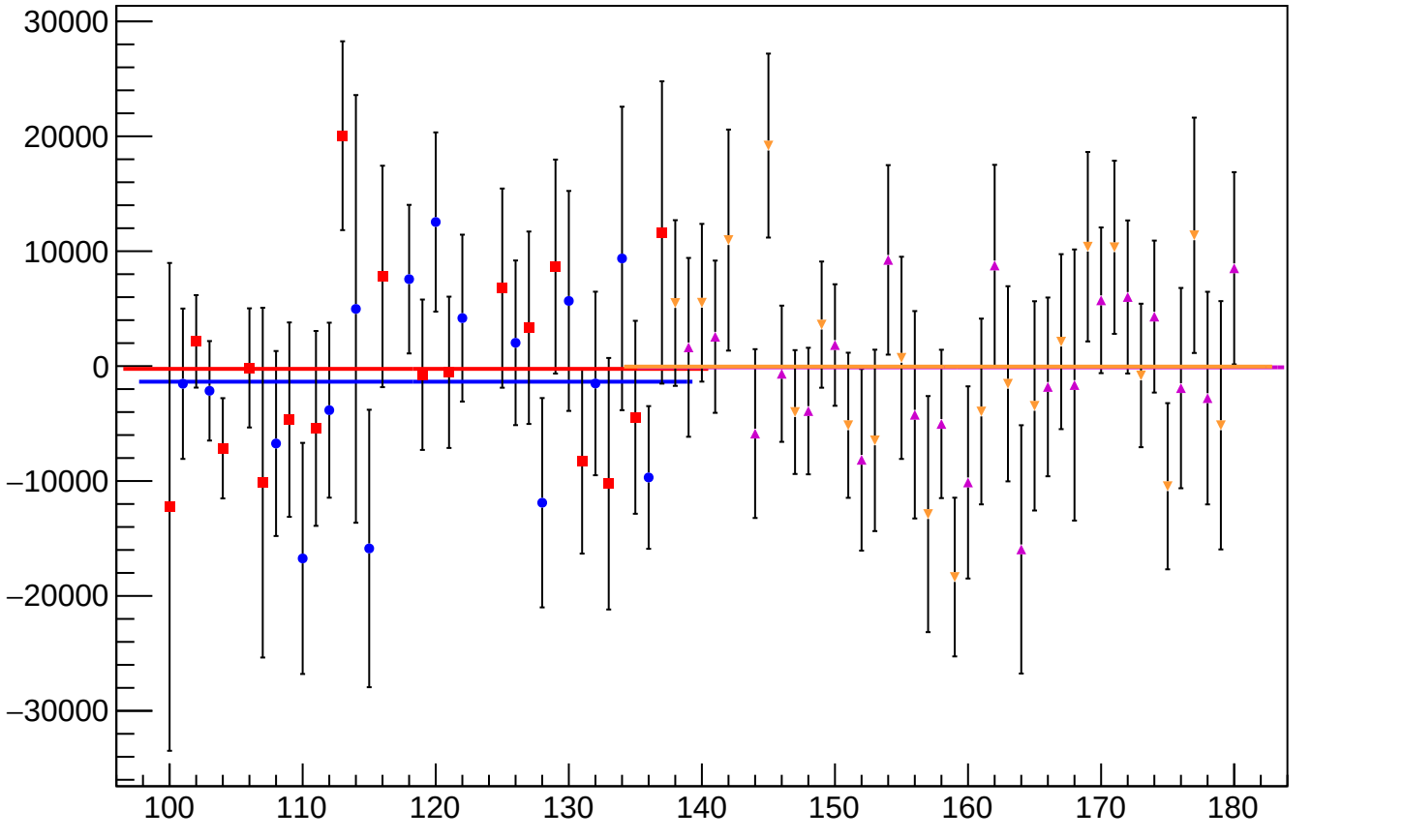
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1867.973+/-0.318 χ^2/NDF:26618.5/20

+ sign 1877.962+/-0.273 χ^2/NDF: 308296.6/36

All: 1878.021+/-0.192 χ^2/NDF: 488610.2/75

- 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: -42.593+/-1638.101 χ^2/NDF:26.8/20

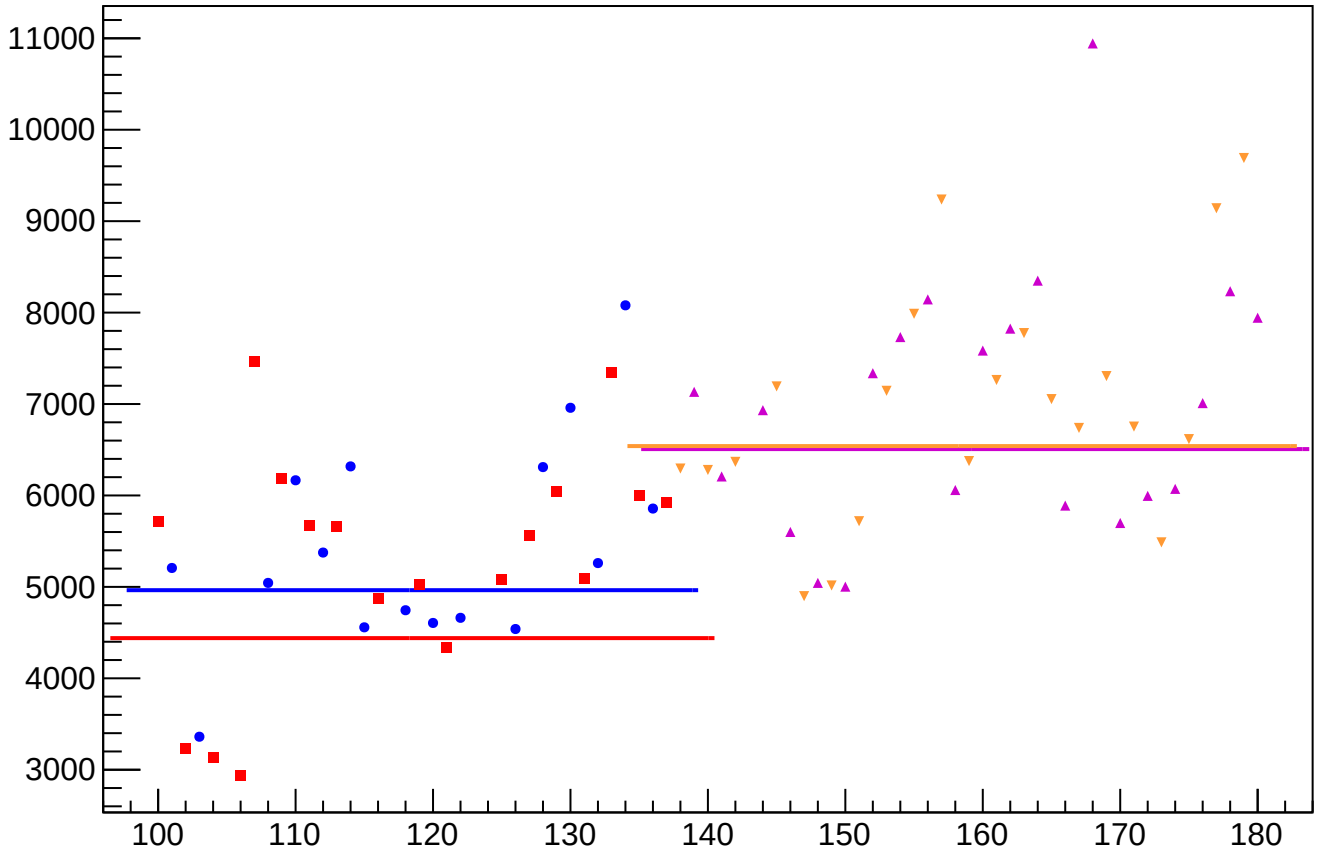
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -106.351+/-1599.125 χ^2/NDF:12.6/20

+ sign -604.225+/-1239.541 χ^2/NDF: 41.8/36

All: -373.918+/-850.390 χ^2/NDF: 70.1/75

- 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: 6539.940+/-1.158 χ^2/NDF:1038585.3/20

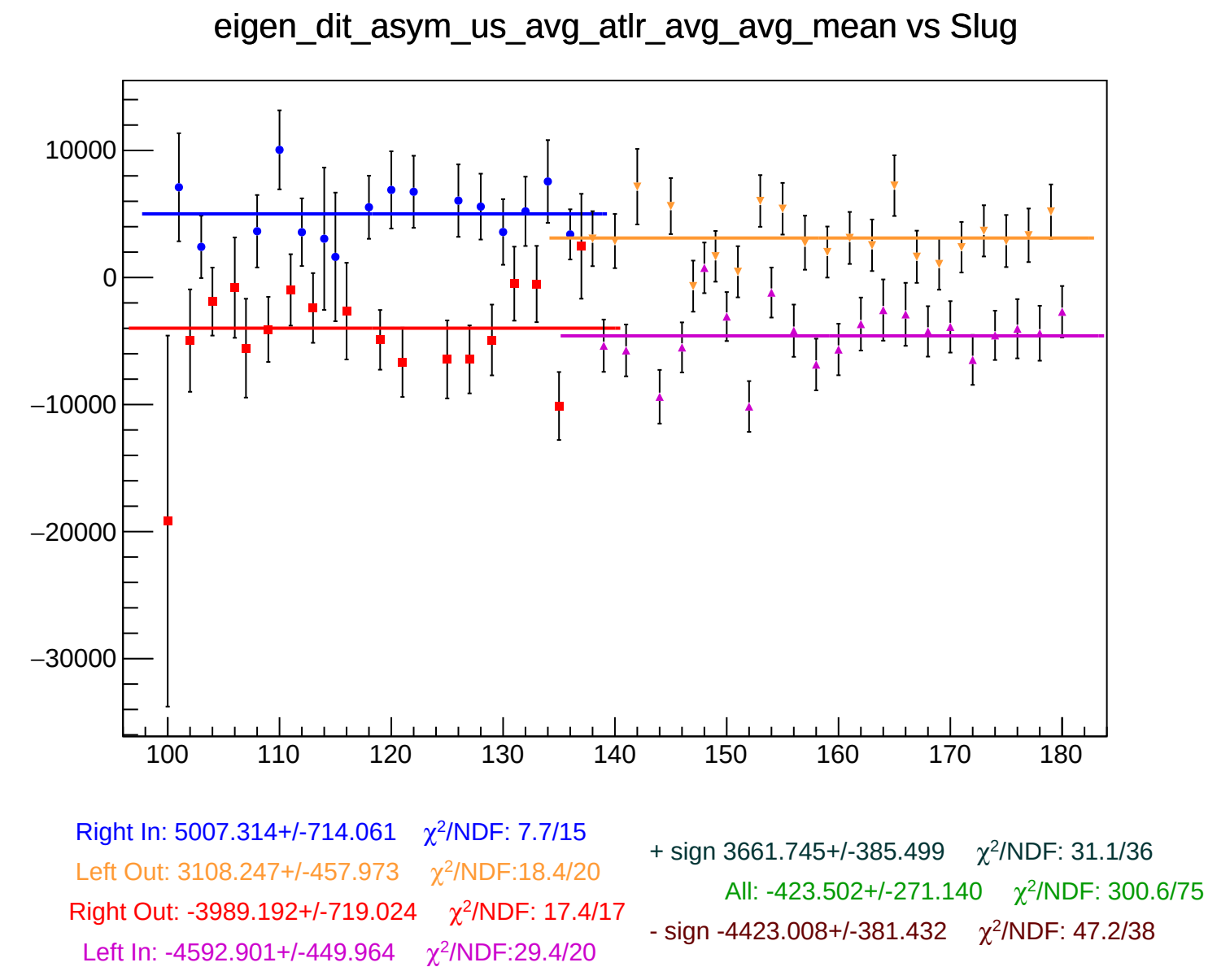
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6507.142+/-1.131 χ^2/NDF:1135682.5/20

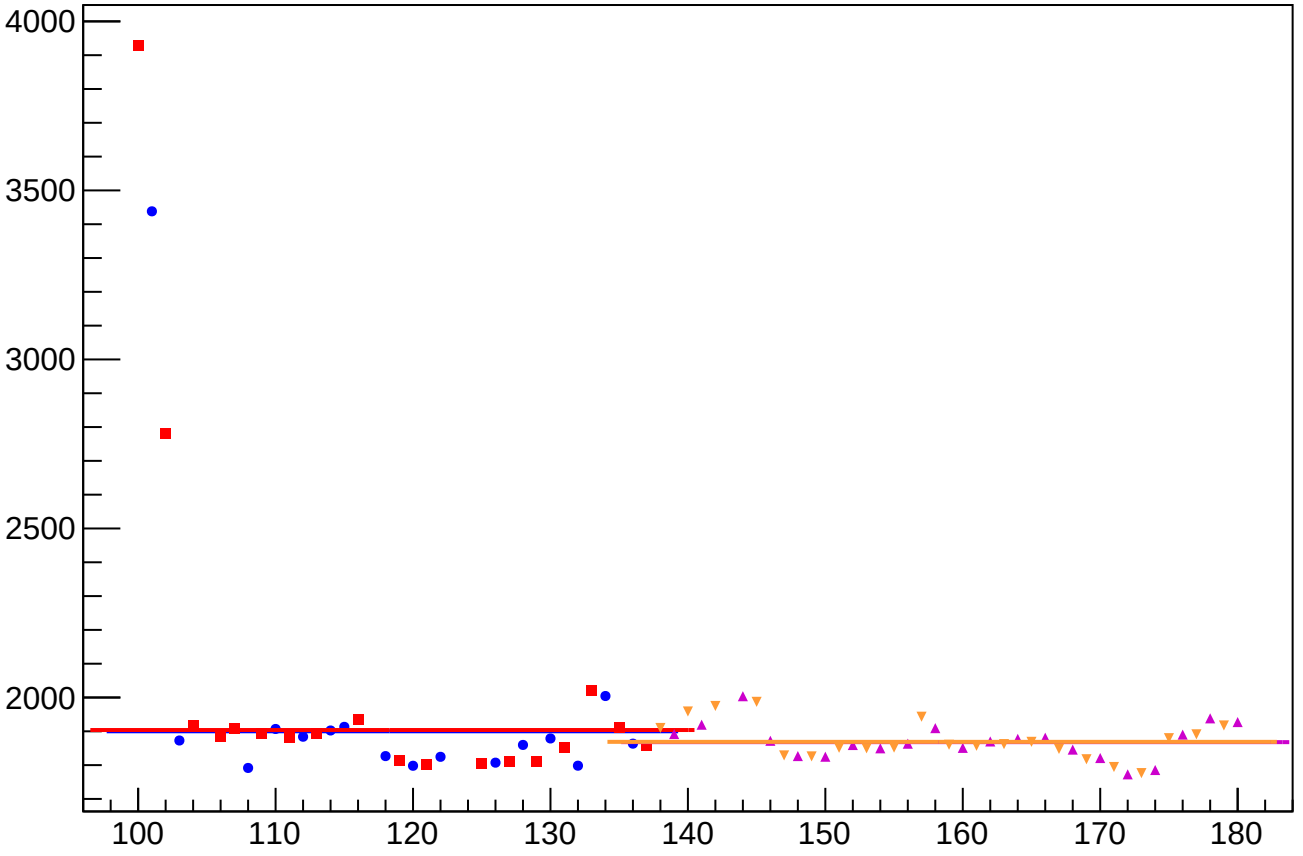
+ sign 5866.359+/-0.876 χ^2/NDF: 2457148.0/36

All: 5695.838+/-0.601 χ^2/NDF: 6379877.2/75

- 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: 3108.247+/-457.973 χ²/NDF:18.4/20
Right Out: -3989.192+/-719.024 χ²/NDF: 17.4/17
Left In: -4592.901+/-449.964 χ²/NDF:29.4/20
+ sign 3661.745+/-385.499 χ²/NDF: 31.1/36
All: -423.502+/-271.140 χ²/NDF: 300.6/75
- 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: 1868.852+/-0.324 χ^2/NDF:27133.5/20

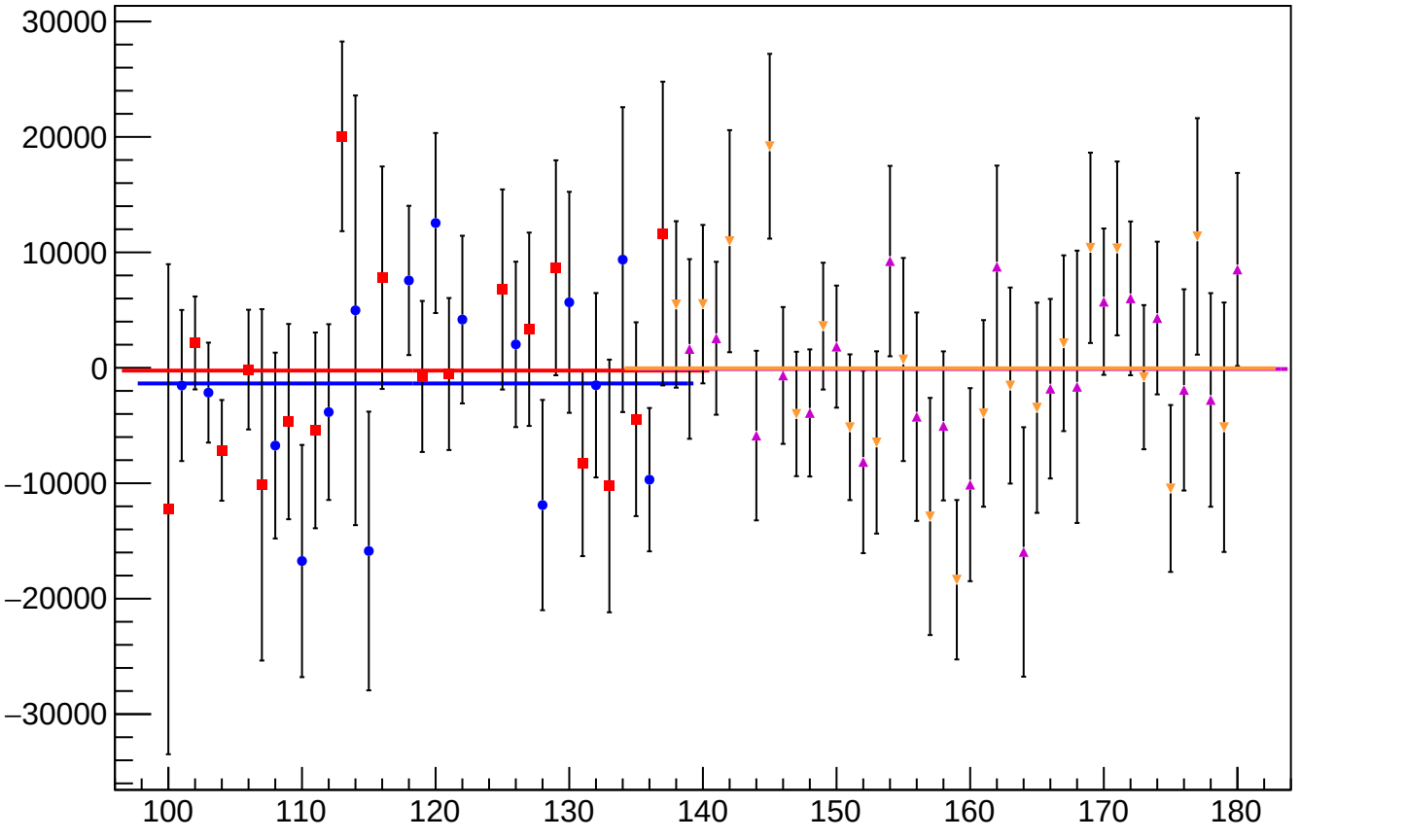
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1867.974+/-0.318 χ^2/NDF:26619.7/20

+ sign 1877.963+/-0.273 χ^2/NDF: 308297.5/36

All: 1878.022+/-0.192 χ^2/NDF: 488611.2/75

- 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: -42.598+/-1638.104 χ^2/NDF:26.8/20

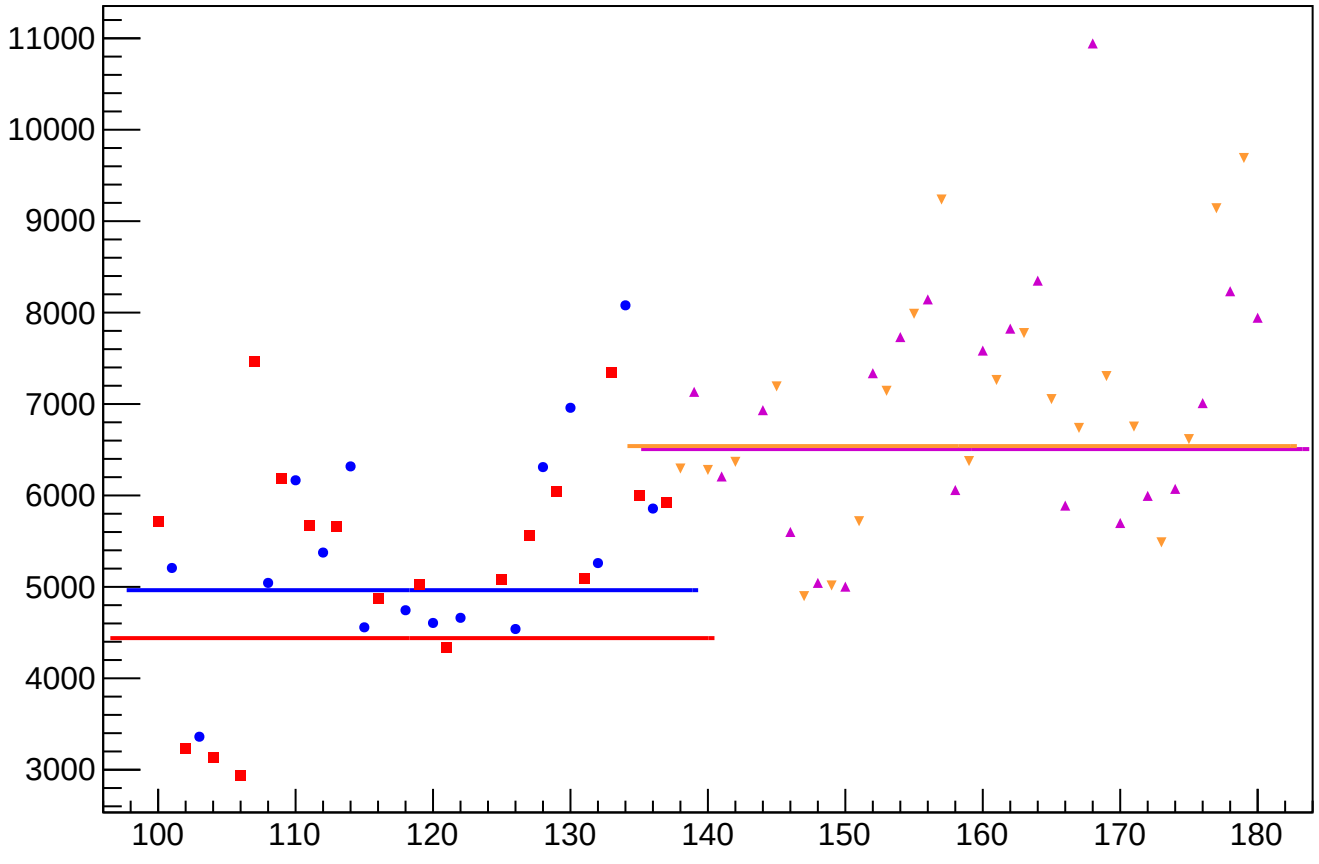
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -106.352+/-1599.127 χ^2/NDF:12.6/20

+ sign -604.226+/-1239.541 χ^2/NDF: 41.8/36

All: -373.919+/-850.390 χ^2/NDF: 70.1/75

- 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: 6539.951+/-1.158 χ^2/NDF:1038587.8/20

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

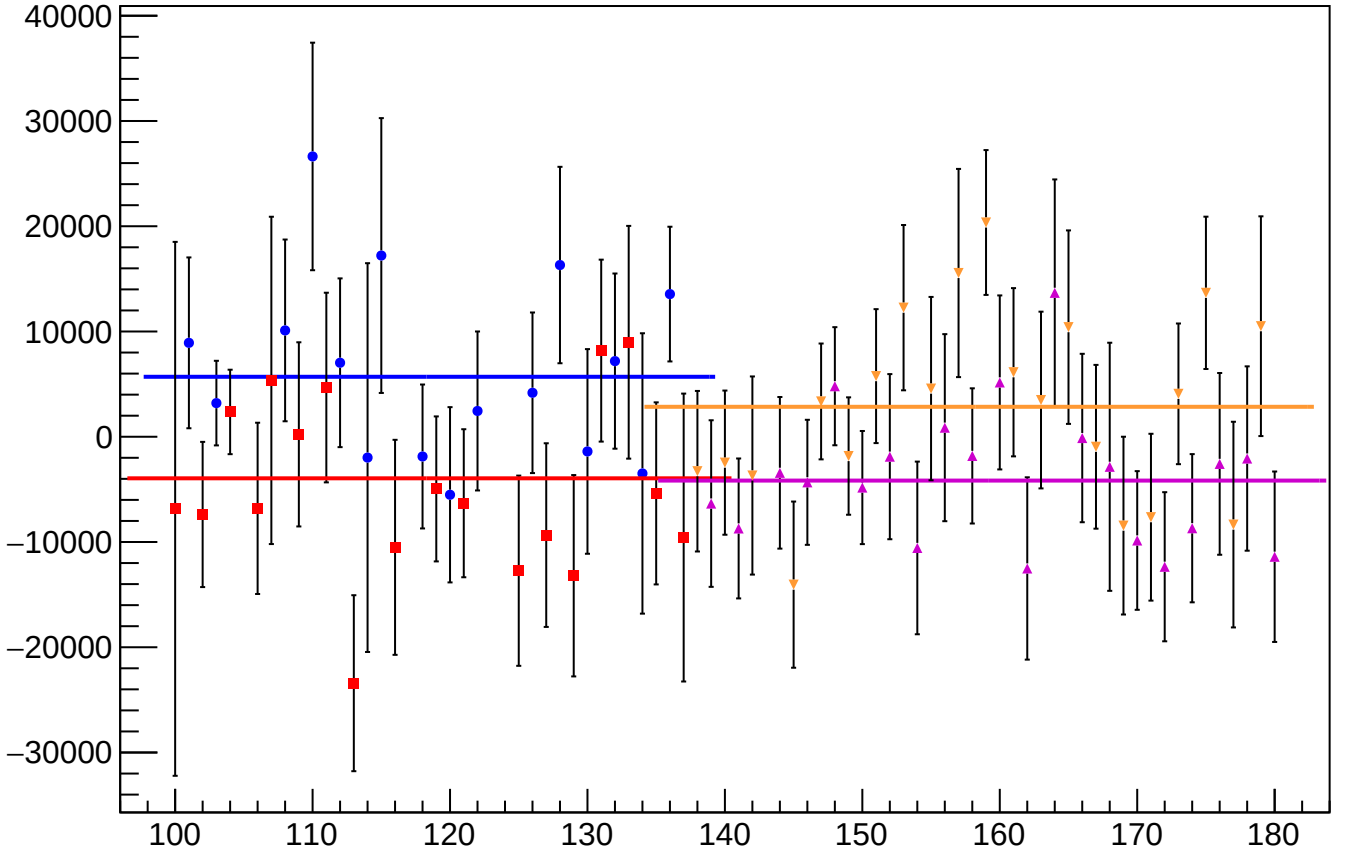
Left In: 6507.153+/-1.131 χ^2/NDF:1135685.1/20

+ sign 5866.357+/-0.876 χ^2/NDF: 2457178.1/36

All: 5695.835+/-0.601 χ^2/NDF: 6379945.1/75

- 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: 2845.533+/-1653.544 χ^2/NDF:25.6/20

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

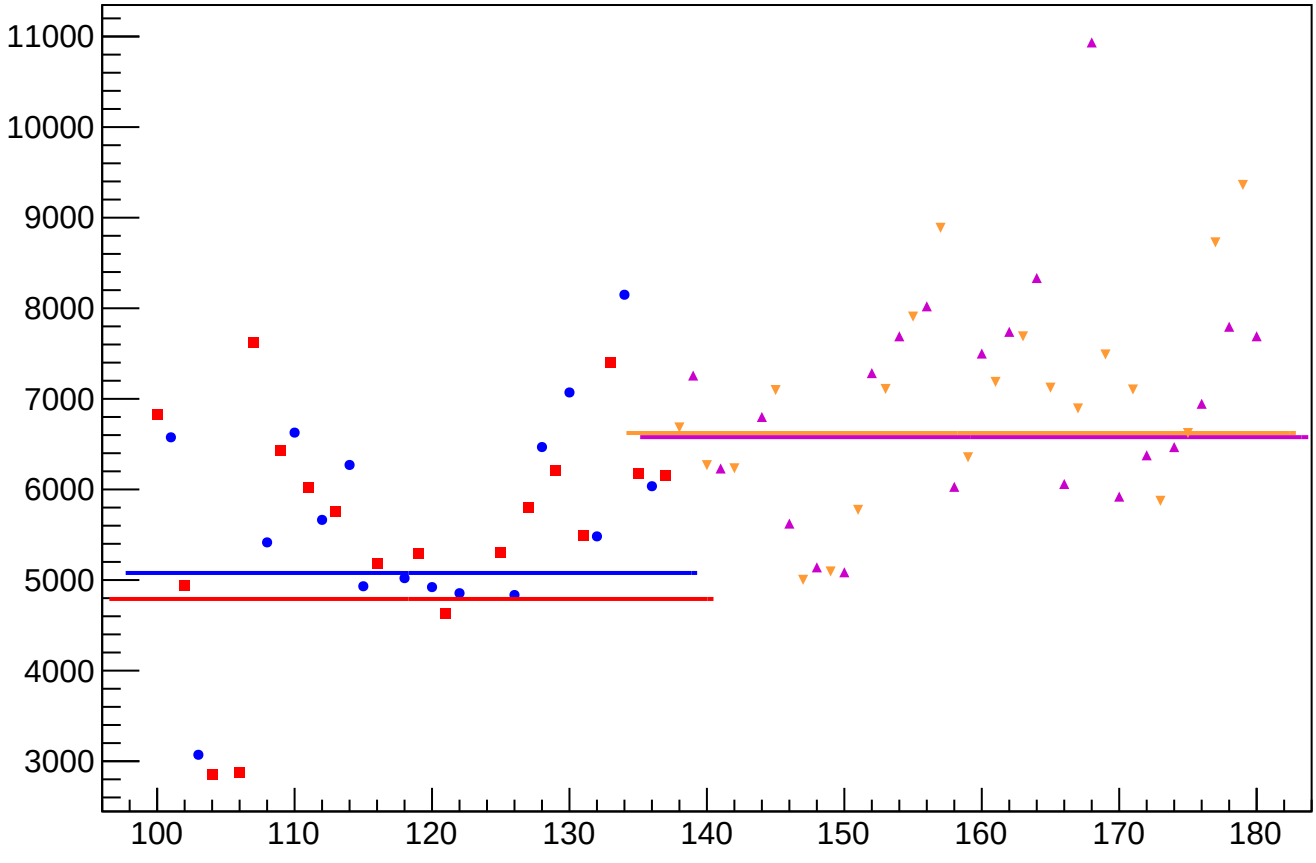
Left In: -4164.282+/-1611.871 χ^2/NDF:12.9/20

+ sign 4031.814+/-1263.644 χ^2/NDF: 39.5/36

All: -115.854+/-883.108 χ^2/NDF: 89.5/75

- sign -4075.476+/-1234.667 χ^2/NDF: 29.0/38

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6622.927+/-1.169 χ^2/NDF:869044.9/20

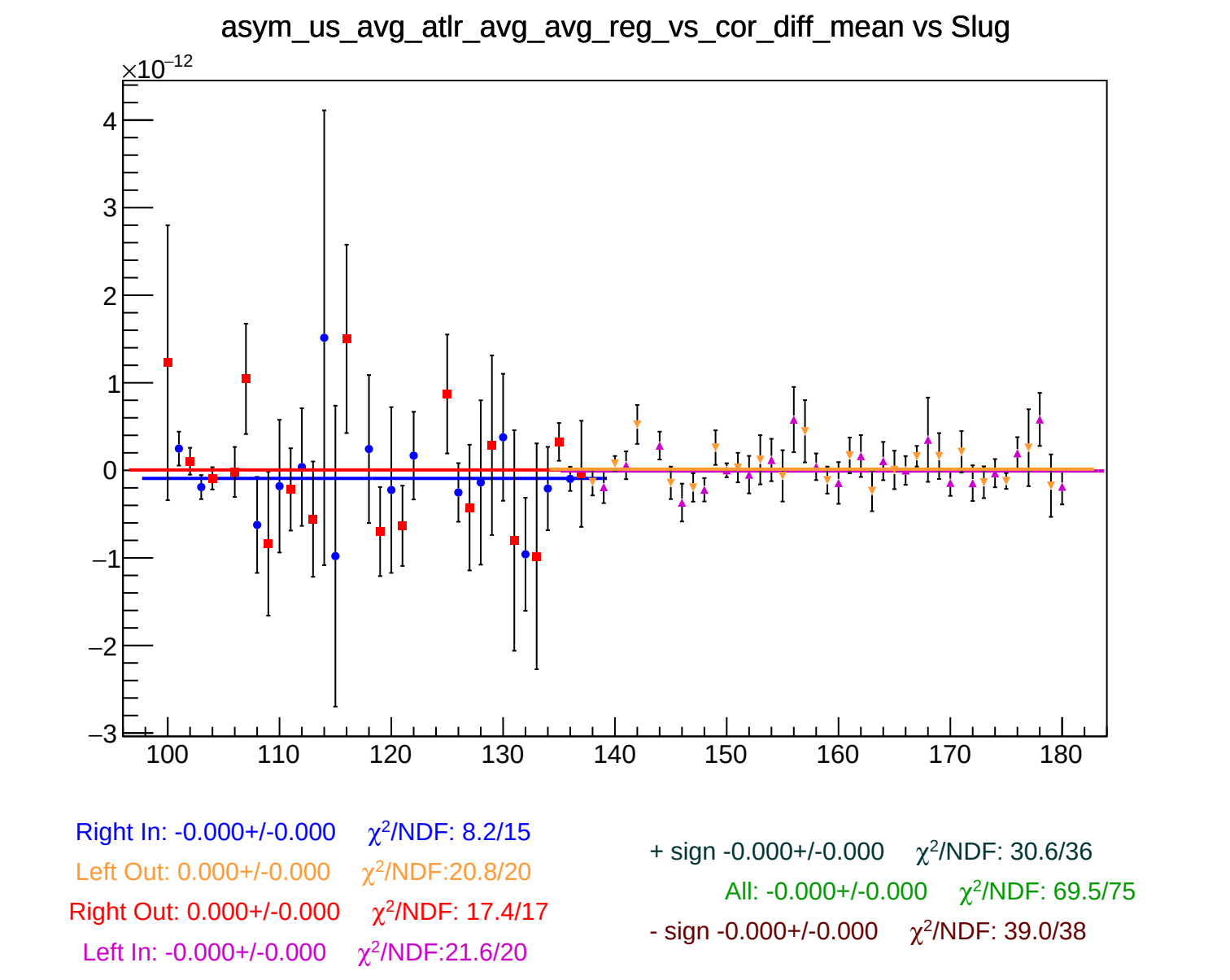
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

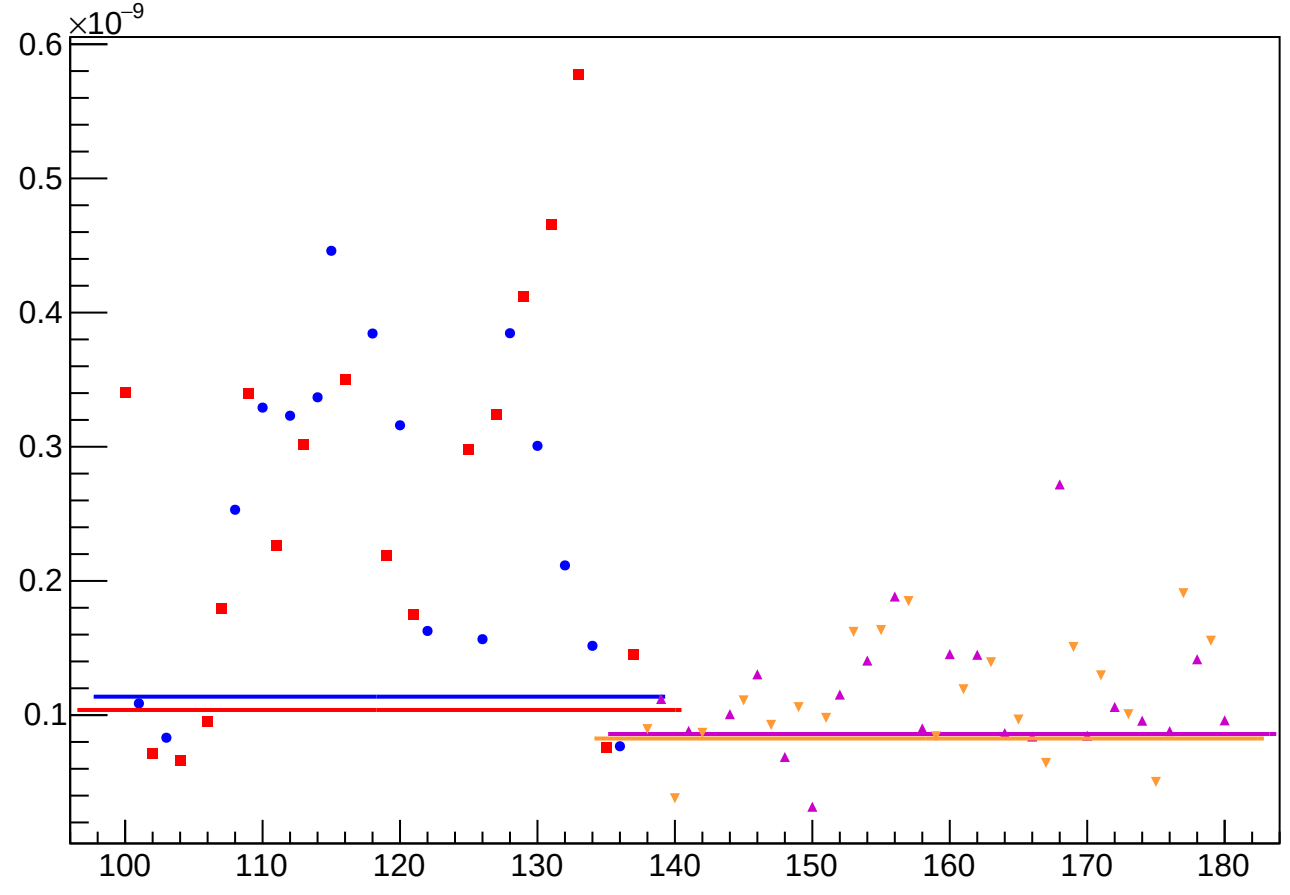
Left In: 6577.289+/-1.140 χ^2/NDF:977481.2/20

+ sign 5980.301+/-0.894 χ^2/NDF: 2514394.5/36

All: 5898.358+/-0.622 χ^2/NDF: 5709867.1/75

- sign 5821.450+/-0.866 χ^2/NDF: 3179168.9/38


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:20.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: -0.000+/-0.000 χ²/NDF:21.6/20
+ sign -0.000+/-0.000 χ²/NDF: 30.6/36
All: -0.000+/-0.000 χ²/NDF: 69.5/75
- sign -0.000+/-0.000 χ²/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:2057884.6/20

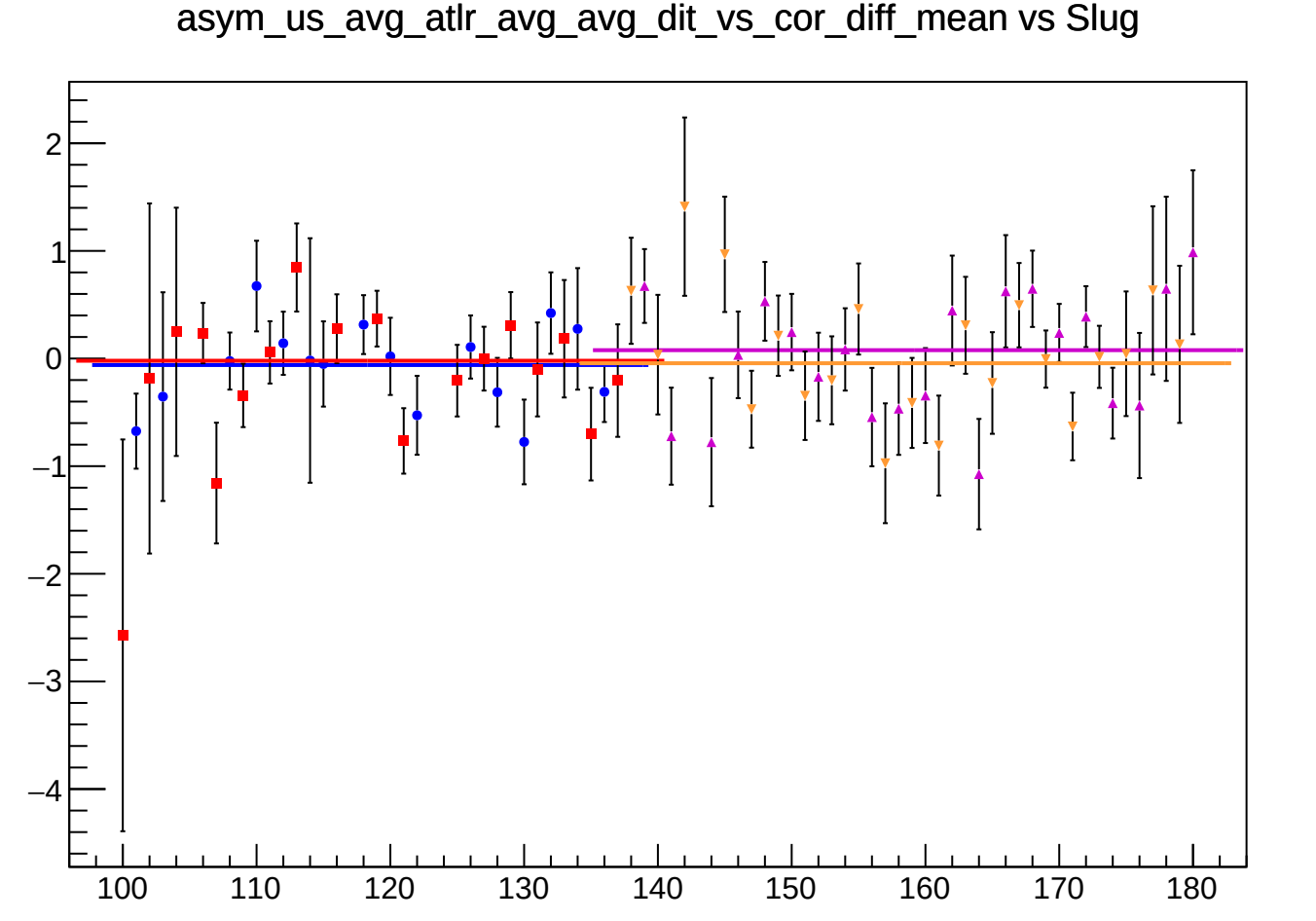
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2036892.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 3845025.3/36

All: 0.000+/-0.000 χ^2/NDF: 8057419.9/75

- 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: -0.044+/-0.092 χ^2/NDF:25.9/20

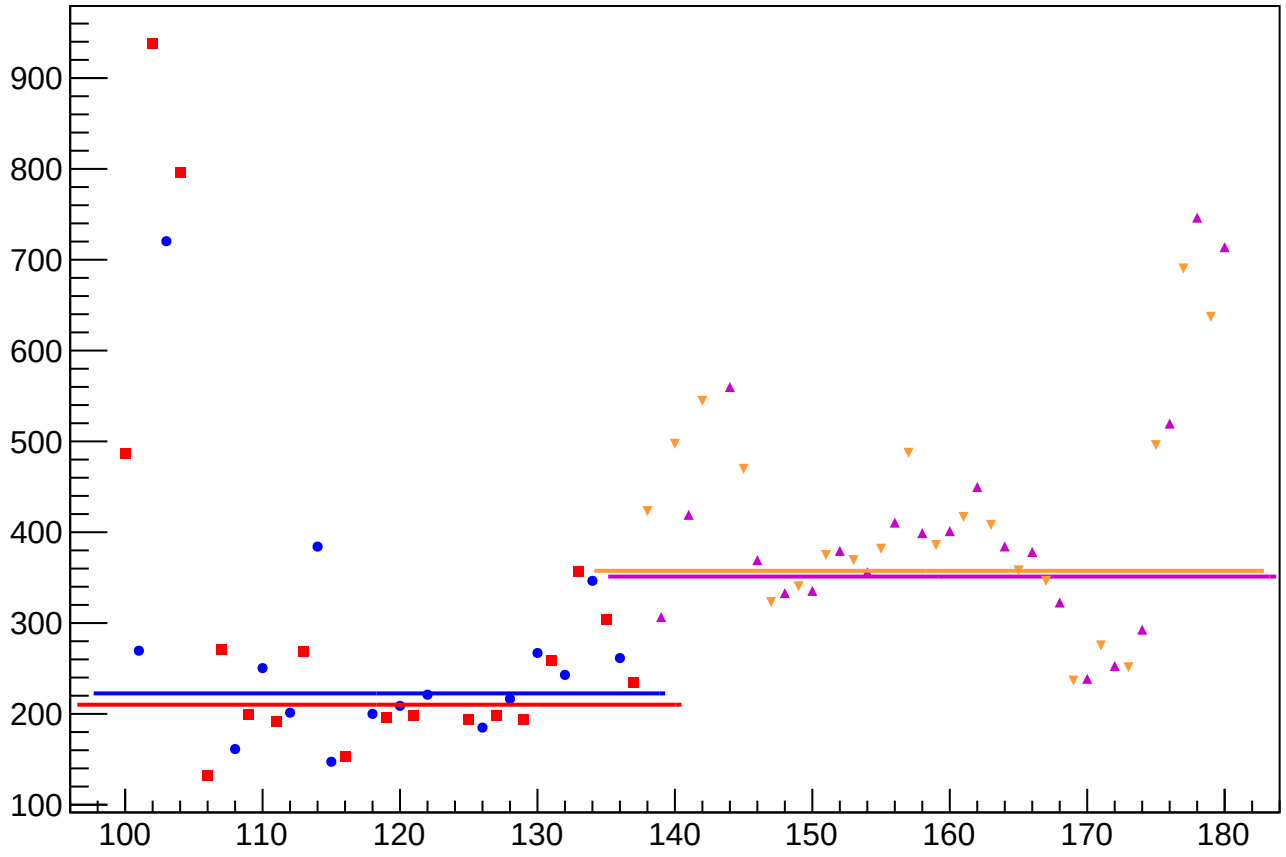
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.078+/-0.089 χ^2/NDF:30.2/20

+ sign -0.052+/-0.064 χ^2/NDF: 43.2/36

All: -0.011+/-0.045 χ^2/NDF: 101.0/75

- 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: 357.533+/-0.065 χ^2/NDF:2155831.2/20

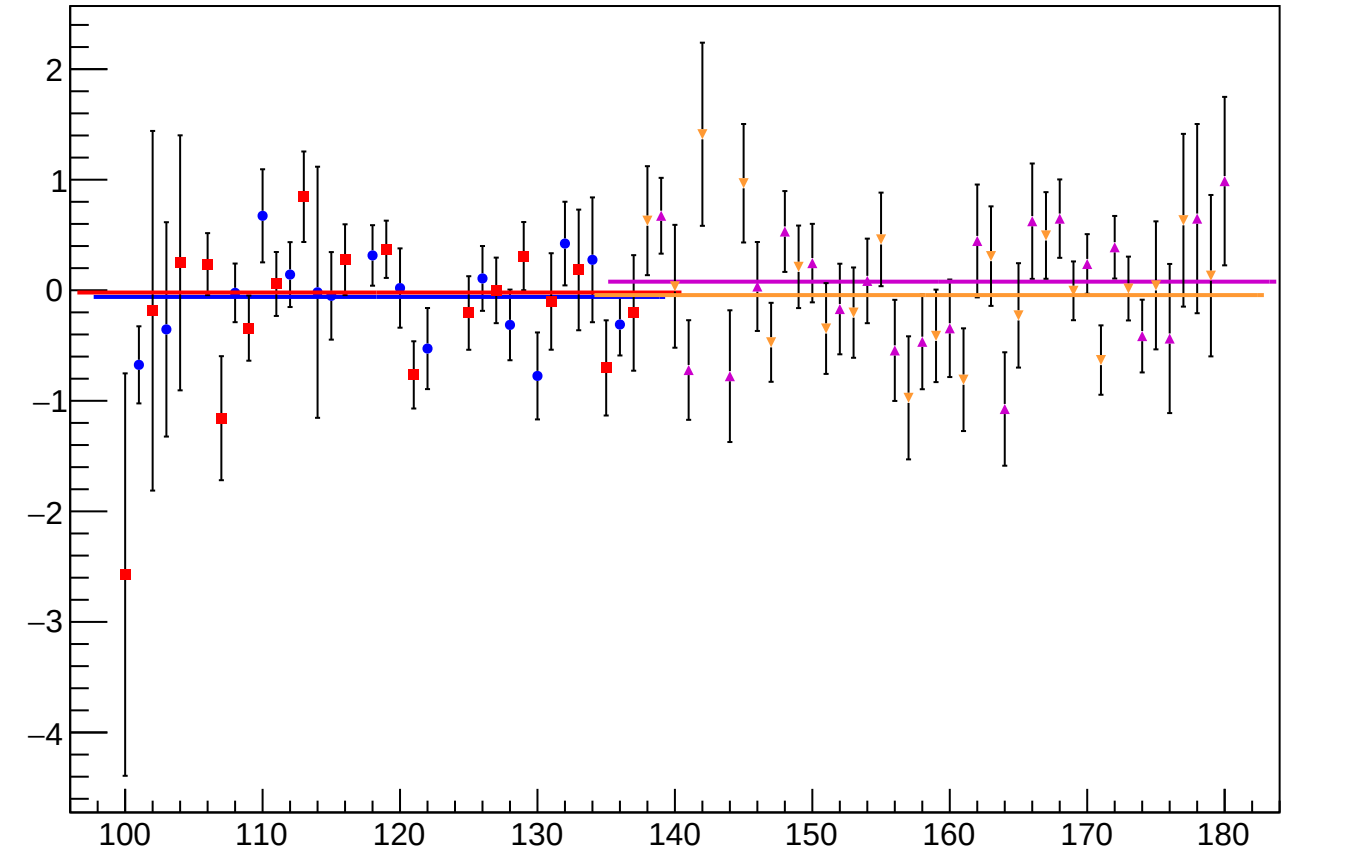
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 351.180+/-0.063 χ^2/NDF:2189885.8/20

+ sign 287.262+/-0.045 χ^2/NDF: 5396254.1/36

All: 283.193+/-0.032 χ^2/NDF: 11704390.7/75

- 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: -0.044+/-0.092 χ^2/NDF:25.9/20

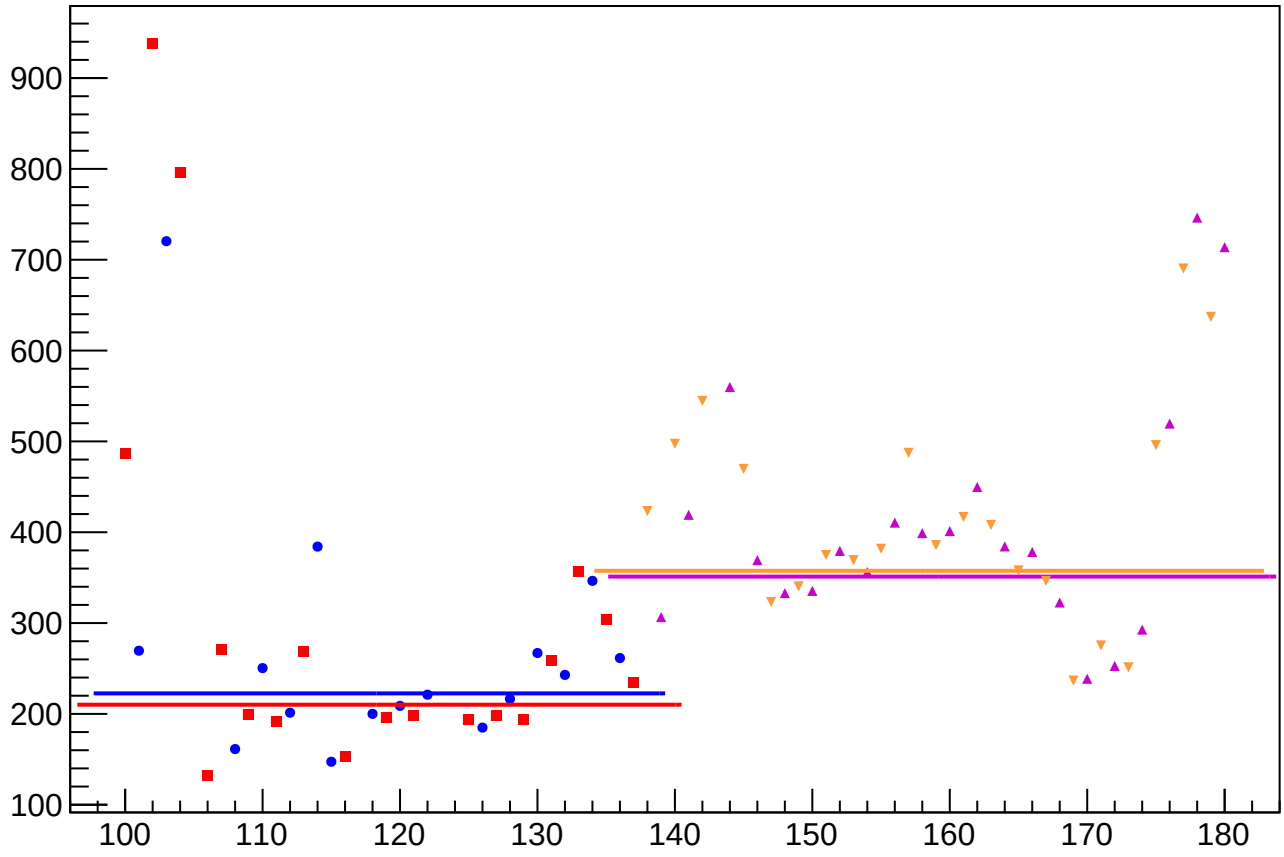
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.078+/-0.089 χ^2/NDF:30.2/20

+ sign -0.052+/-0.064 χ^2/NDF: 43.2/36

All: -0.011+/-0.045 χ^2/NDF: 101.0/75

- 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: 357.533+/-0.065 χ^2/NDF:2155831.2/20

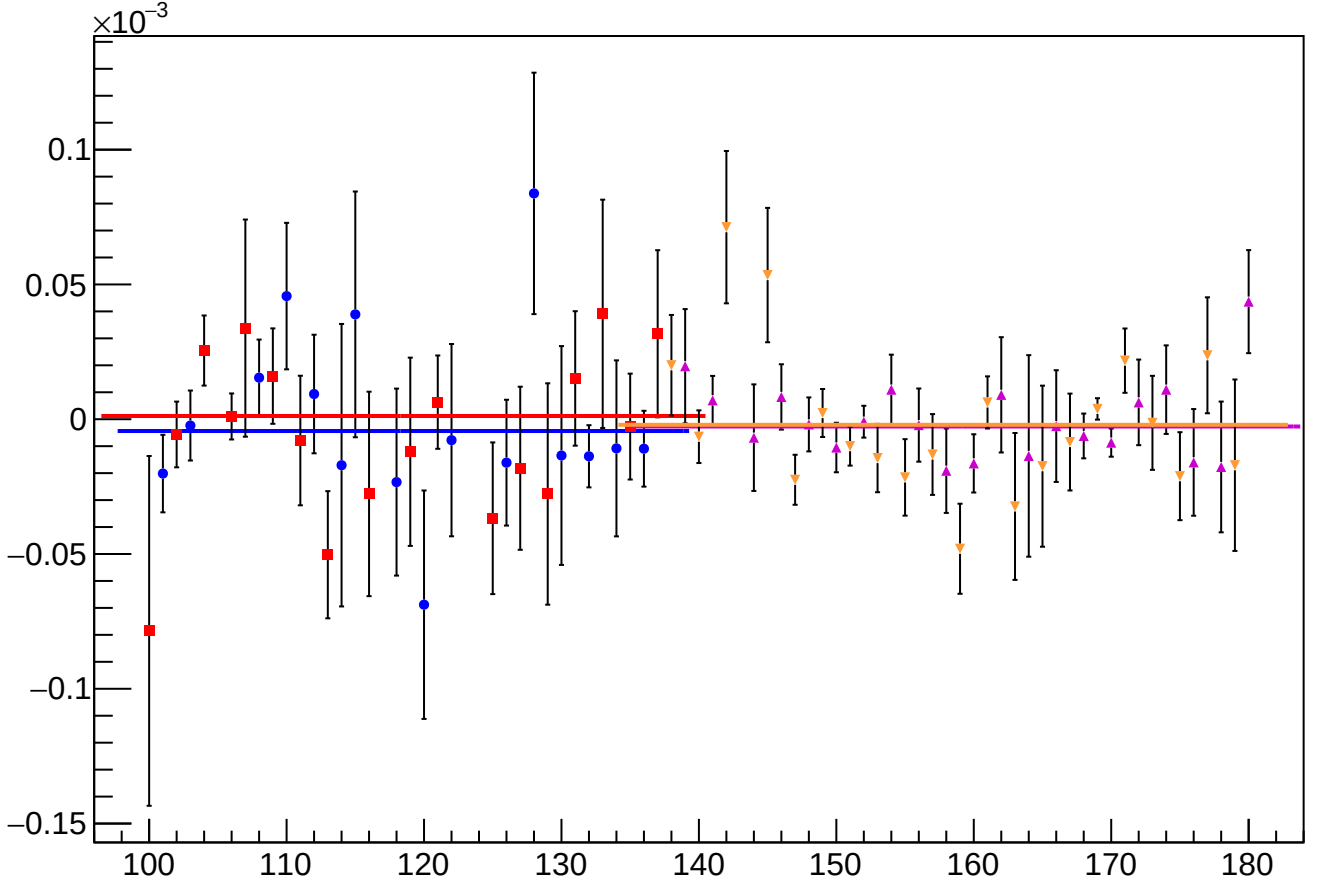
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 351.180+/-0.063 χ^2/NDF:2189885.8/20

+ sign 287.262+/-0.045 χ^2/NDF: 5396254.1/36

All: 283.193+/-0.032 χ^2/NDF: 11704390.7/75

- 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:42.1/20

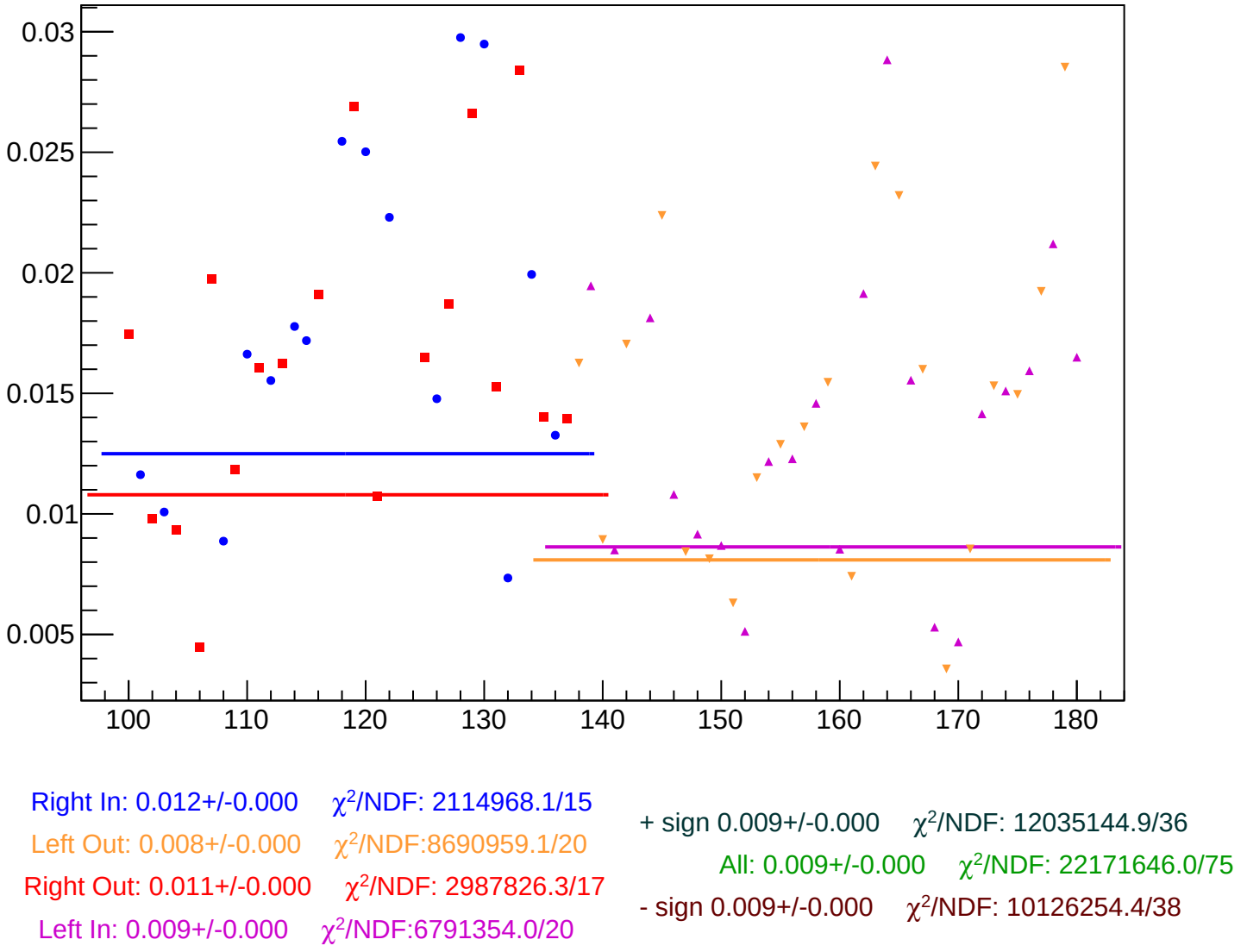
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

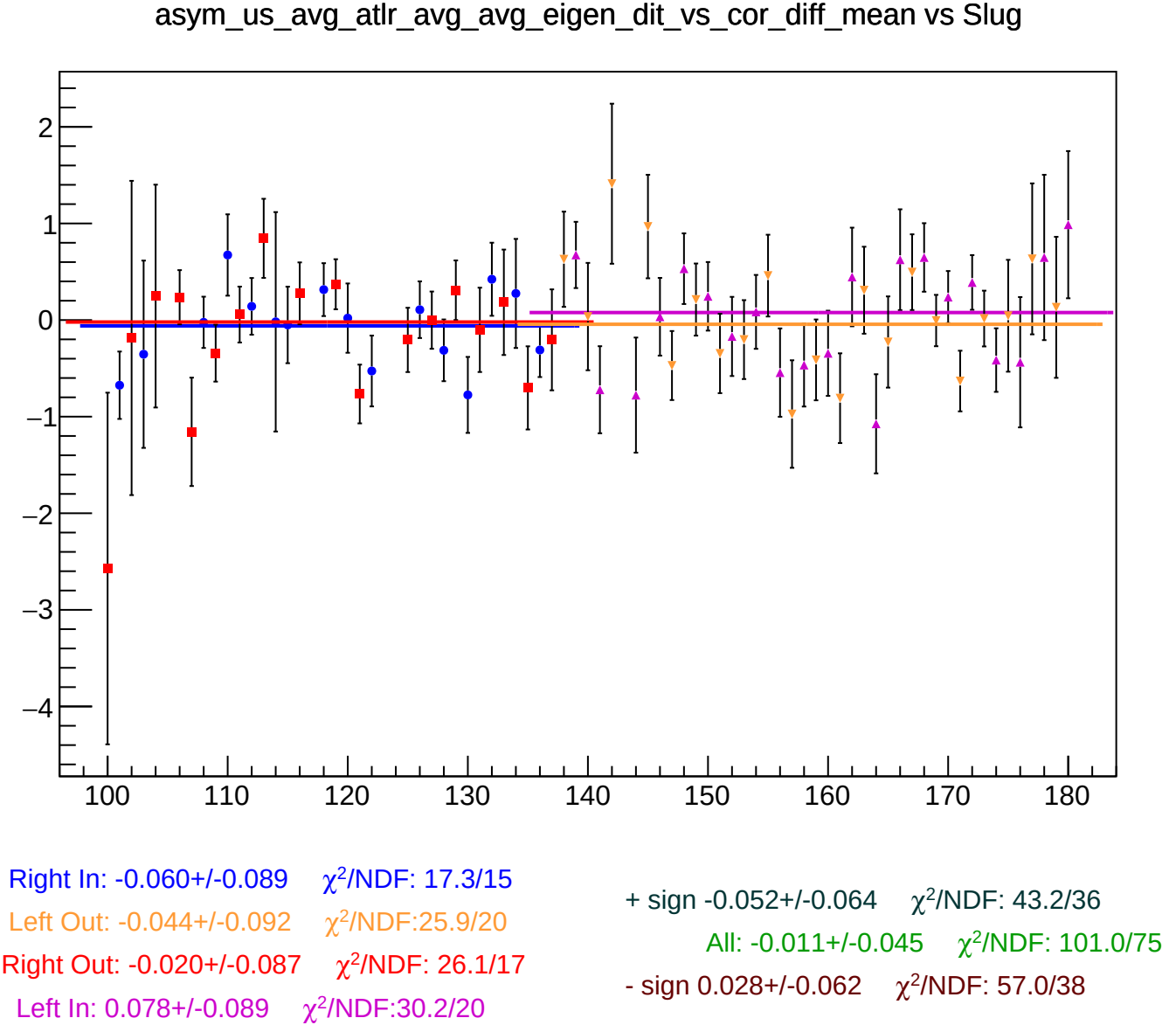
Left In: -0.000+/-0.000 χ^2/NDF:17.4/20

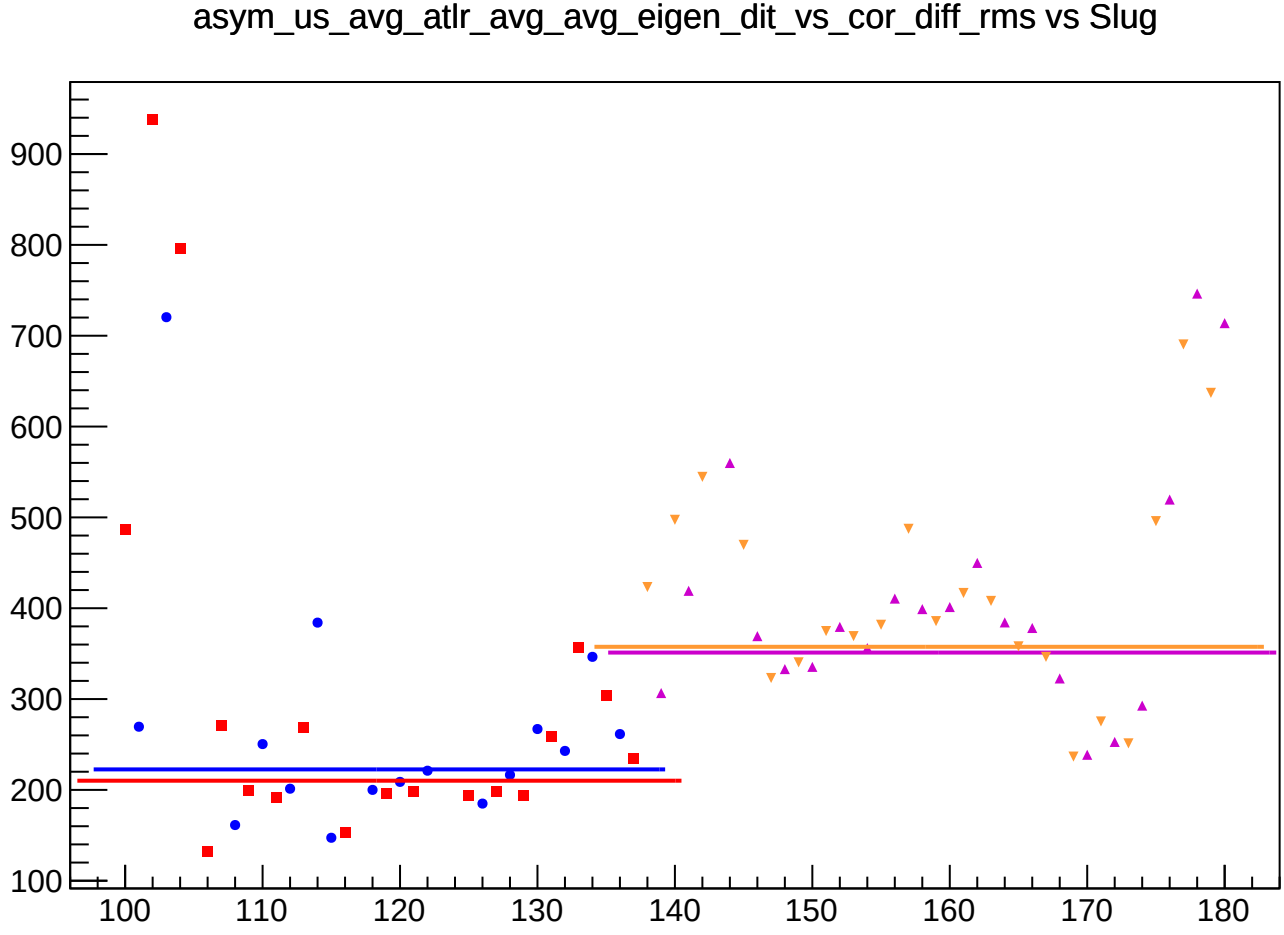
+ sign -0.000+/-0.000 χ^2/NDF: 57.9/36

All: -0.000+/-0.000 χ^2/NDF: 93.1/75

- sign -0.000+/-0.000 χ^2/NDF: 35.2/38


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.012+/-0.000 χ²/NDF: 2114968.1/15
Left Out: 0.008+/-0.000 χ²/NDF:8690959.1/20
Right Out: 0.011+/-0.000 χ²/NDF: 2987826.3/17
Left In: 0.009+/-0.000 χ²/NDF:6791354.0/20
+ sign 0.009+/-0.000 χ²/NDF: 12035144.9/36
All: 0.009+/-0.000 χ²/NDF: 22171646.0/75
- sign 0.009+/-0.000 χ²/NDF: 10126254.4/38


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.044+/-0.092 χ²/NDF:25.9/20
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.078+/-0.089 χ²/NDF:30.2/20
+ sign -0.052+/-0.064 χ²/NDF: 43.2/36
All: -0.011+/-0.045 χ²/NDF: 101.0/75
- sign 0.028+/-0.062 χ²/NDF: 57.0/38



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 357.533+/-0.065 χ^2/NDF:2156039.9/20

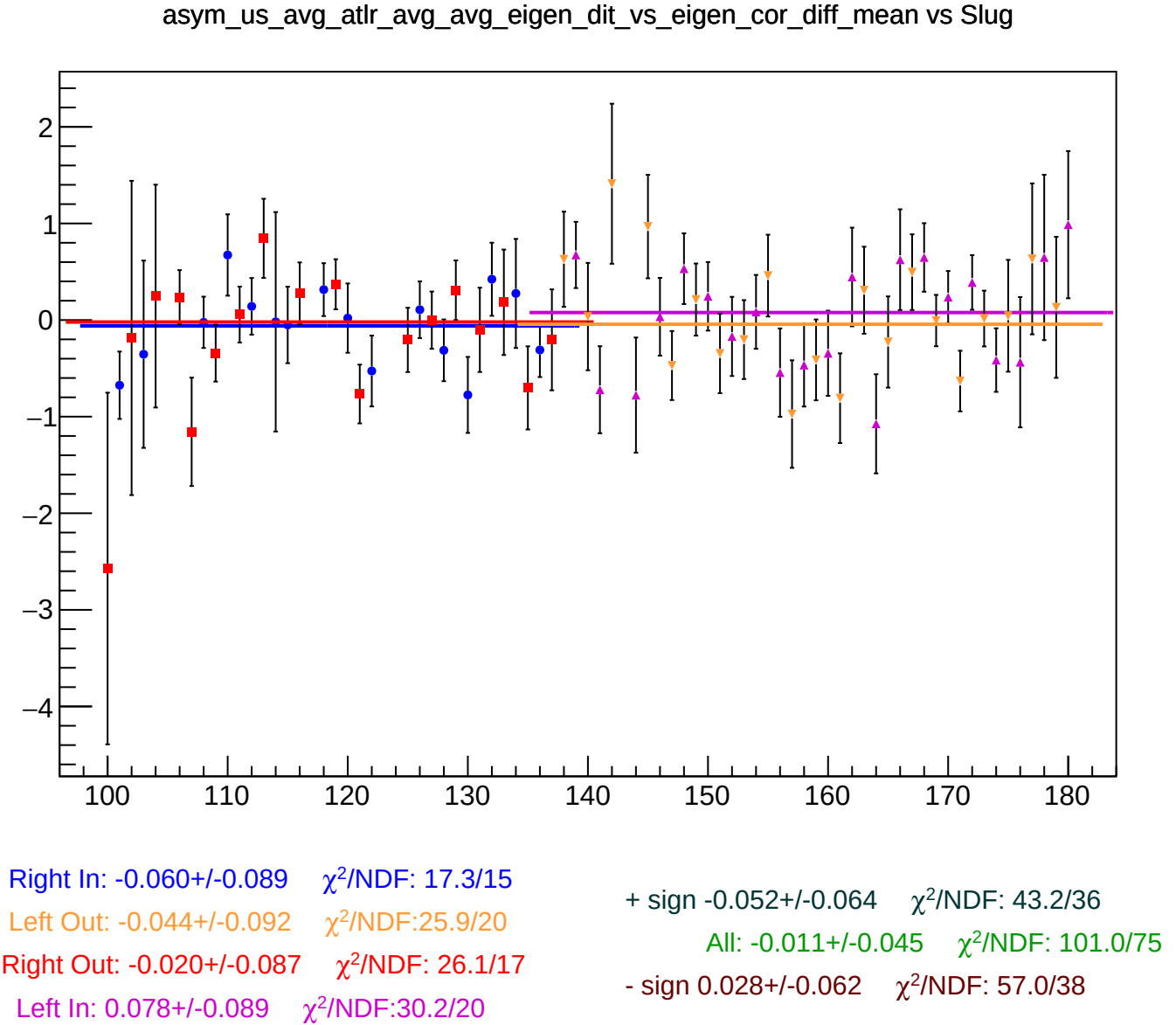
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

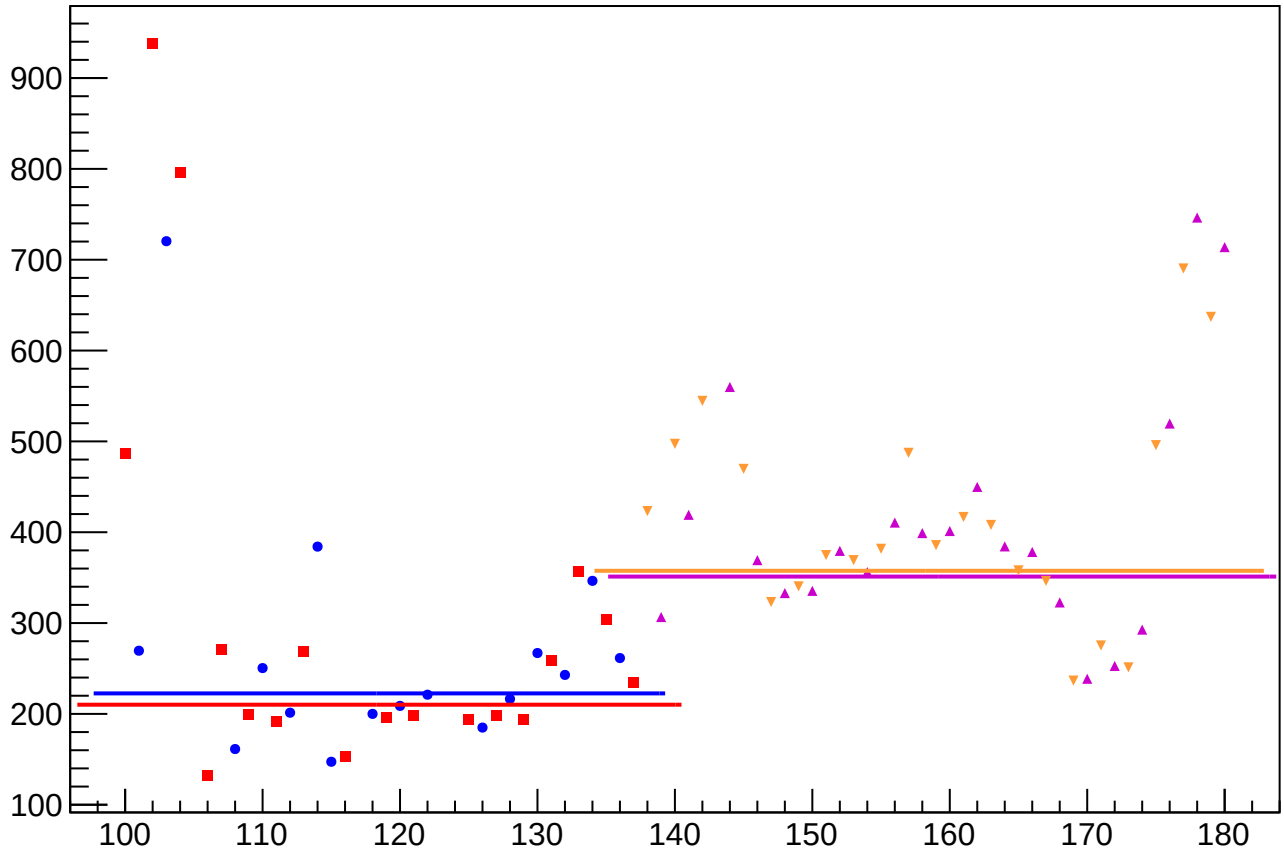
Left In: 351.181+/-0.063 χ^2/NDF:2190047.9/20

+ sign 287.261+/-0.045 χ^2/NDF: 5396520.1/36

All: 283.192+/-0.032 χ^2/NDF: 11704961.7/75

- sign 279.320+/-0.044 χ^2/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: -0.044+/-0.092 χ²/NDF:25.9/20
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.078+/-0.089 χ²/NDF:30.2/20
+ sign -0.052+/-0.064 χ²/NDF: 43.2/36
All: -0.011+/-0.045 χ²/NDF: 101.0/75
- sign 0.028+/-0.062 χ²/NDF: 57.0/38



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 357.533+/-0.065 χ^2/NDF:2156039.9/20

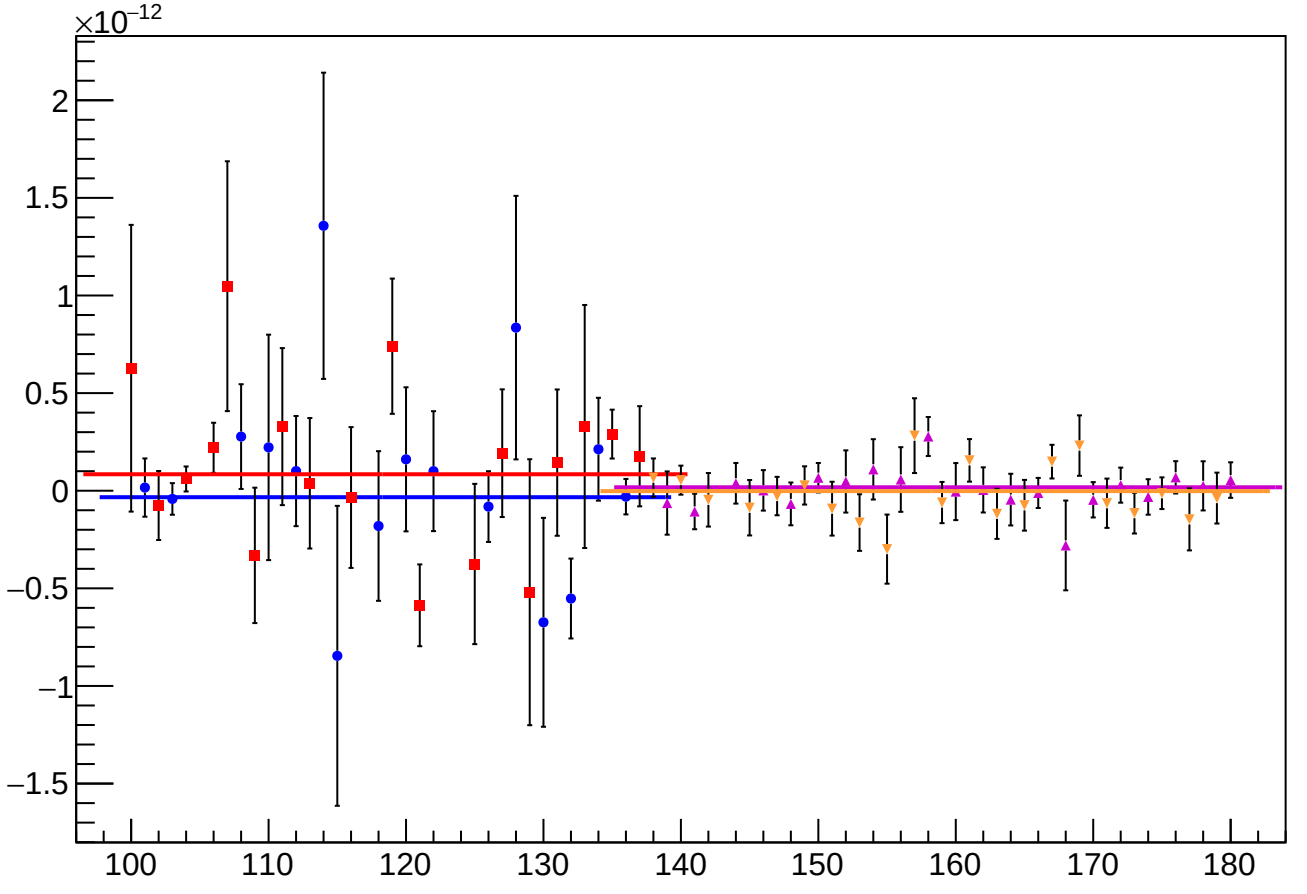
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 351.181+/-0.063 χ^2/NDF:2190047.9/20

+ sign 287.261+/-0.045 χ^2/NDF: 5396520.1/36

All: 283.192+/-0.032 χ^2/NDF: 11704961.7/75

- 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:19.5/20

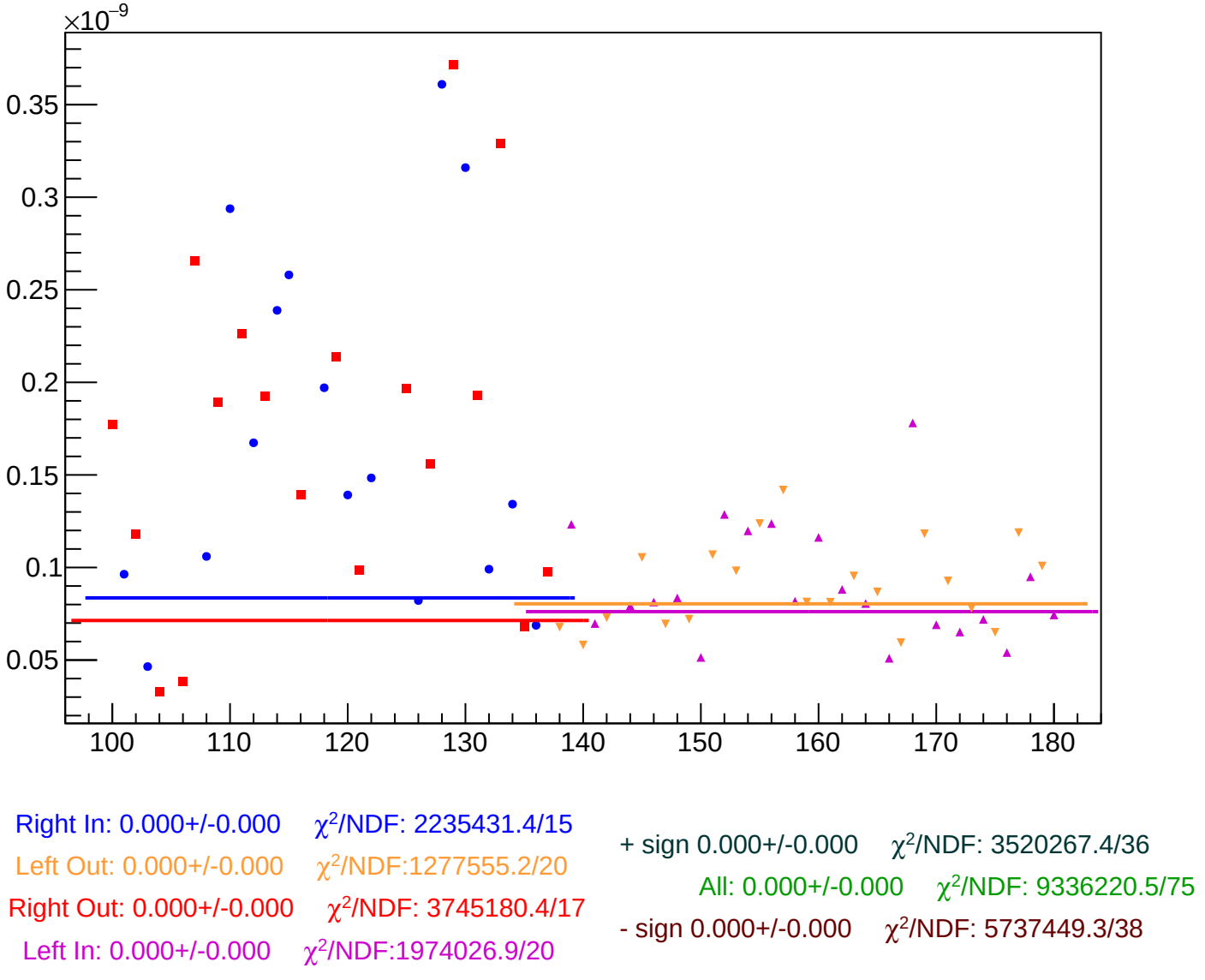
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:13.9/20

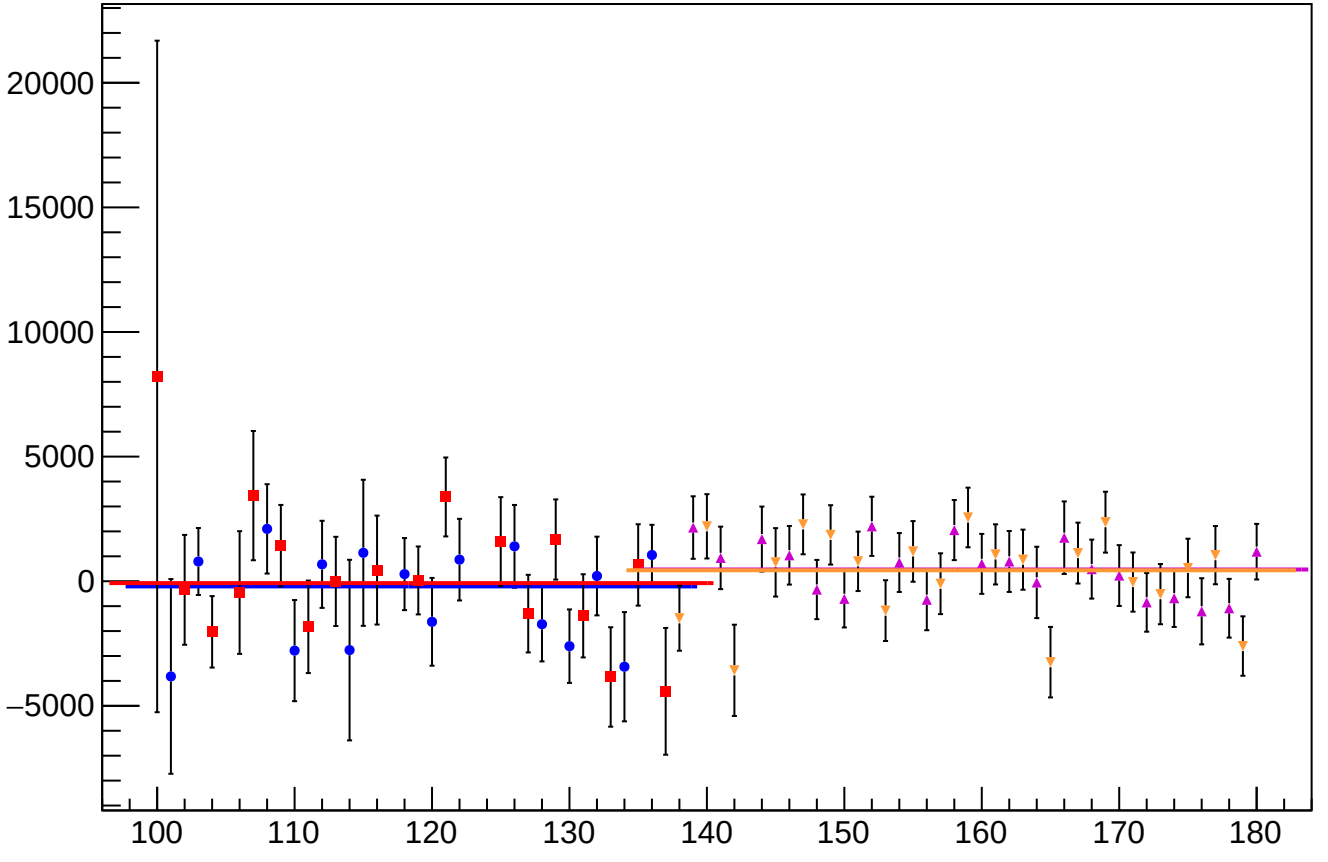
+ sign -0.000+/-0.000 χ^2/NDF: 37.1/36

All: 0.000+/-0.000 χ^2/NDF: 80.4/75

- 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:1277555.2/20
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: 3520267.4/36
All: 0.000+/-0.000 χ²/NDF: 9336220.5/75
- 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: 439.095+/-271.052 χ^2/NDF:35.8/20

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

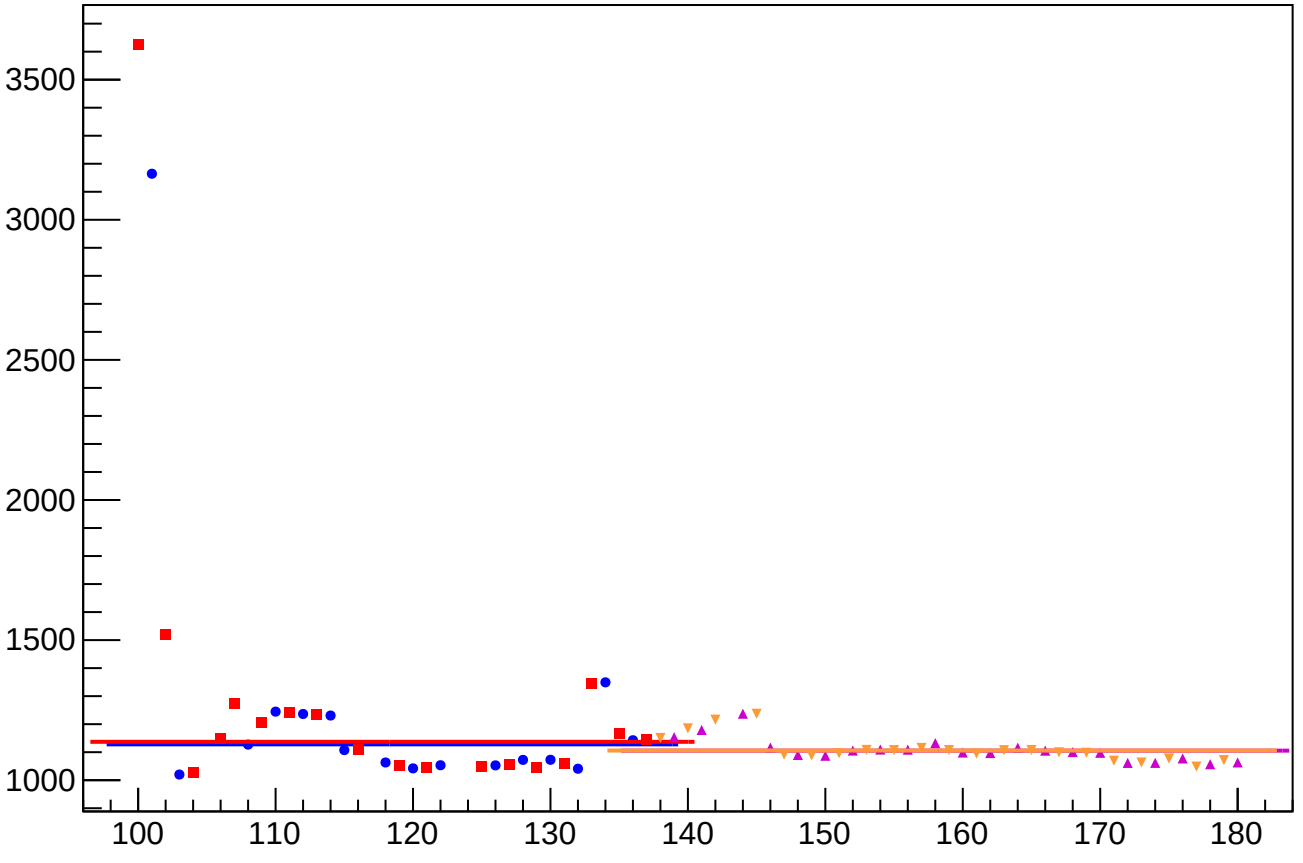
Left In: 470.491+/-266.323 χ^2/NDF:16.5/20

\+ sign 254.474+/-229.170 χ^2/NDF: 52.2/36

All: 287.349+/-161.104 χ^2/NDF: 90.6/75

\- 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: 1105.929+/-0.192 χ^2/NDF:48675.0/20

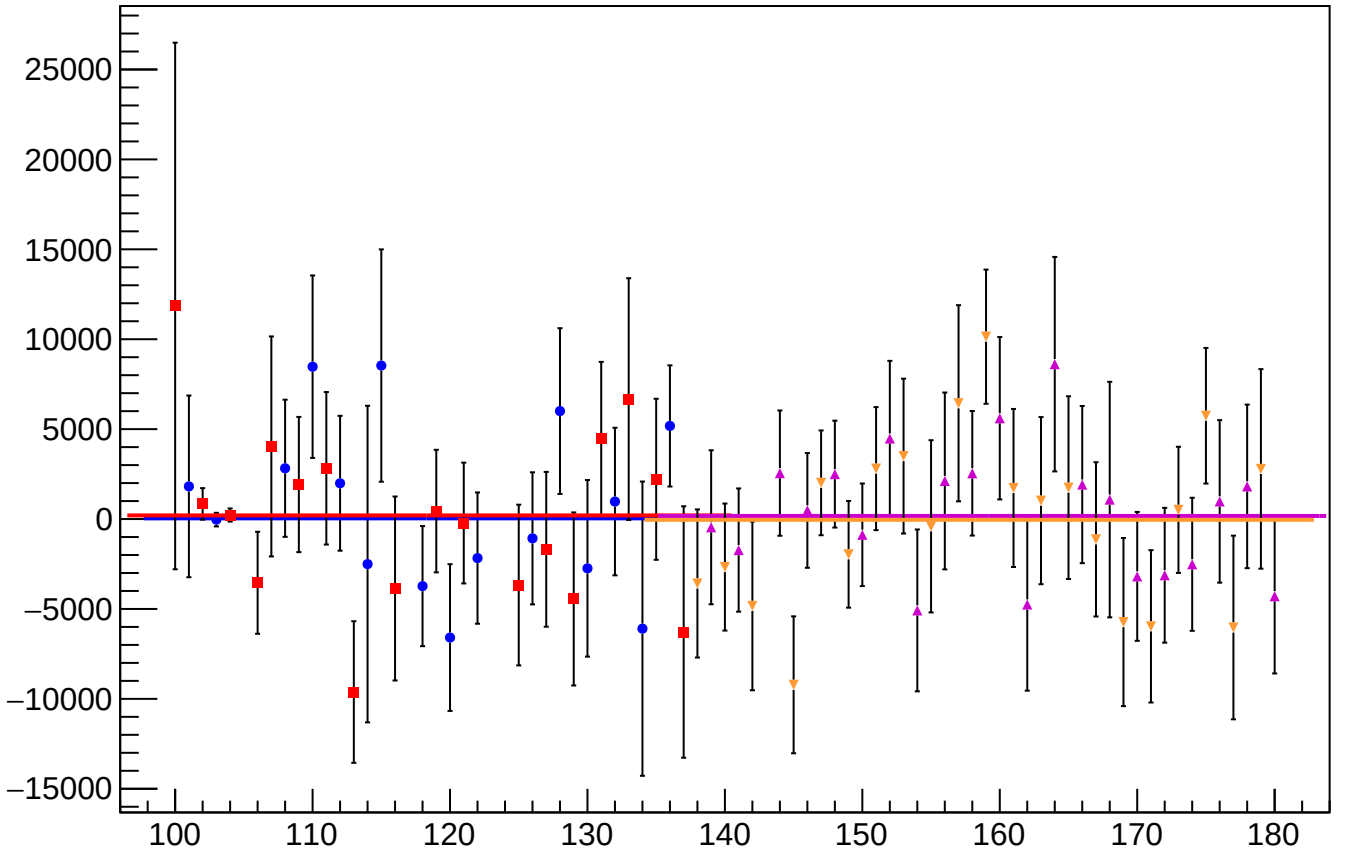
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1105.497+/-0.188 χ^2/NDF:45419.5/20

+ sign 1112.225+/-0.162 χ^2/NDF: 673853.5/36

All: 1113.246+/-0.114 χ^2/NDF: 947217.1/75

- 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: -44.205+/-881.033 χ^2/NDF:27.1/20

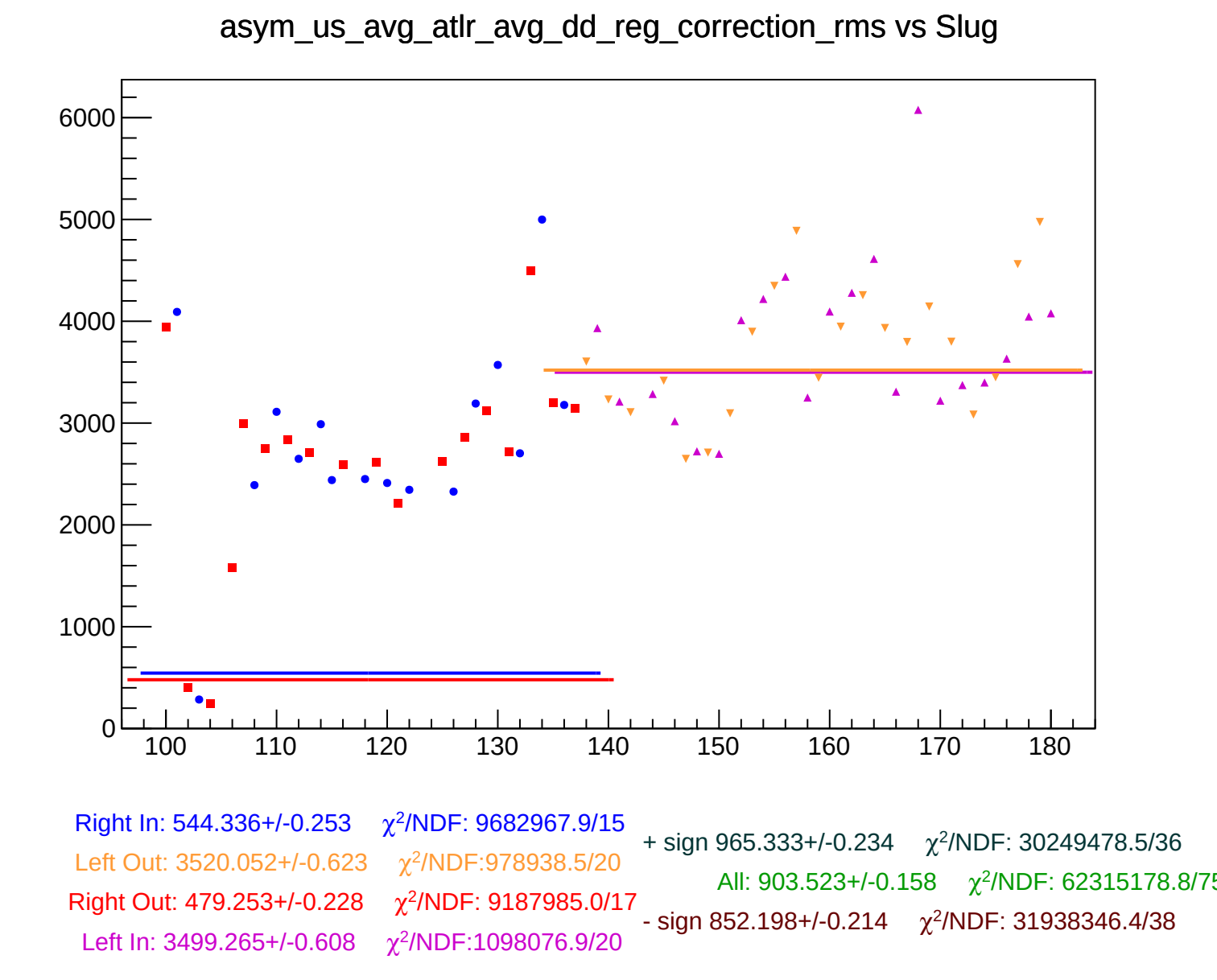
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 172.202+/-859.310 χ^2/NDF:12.6/20

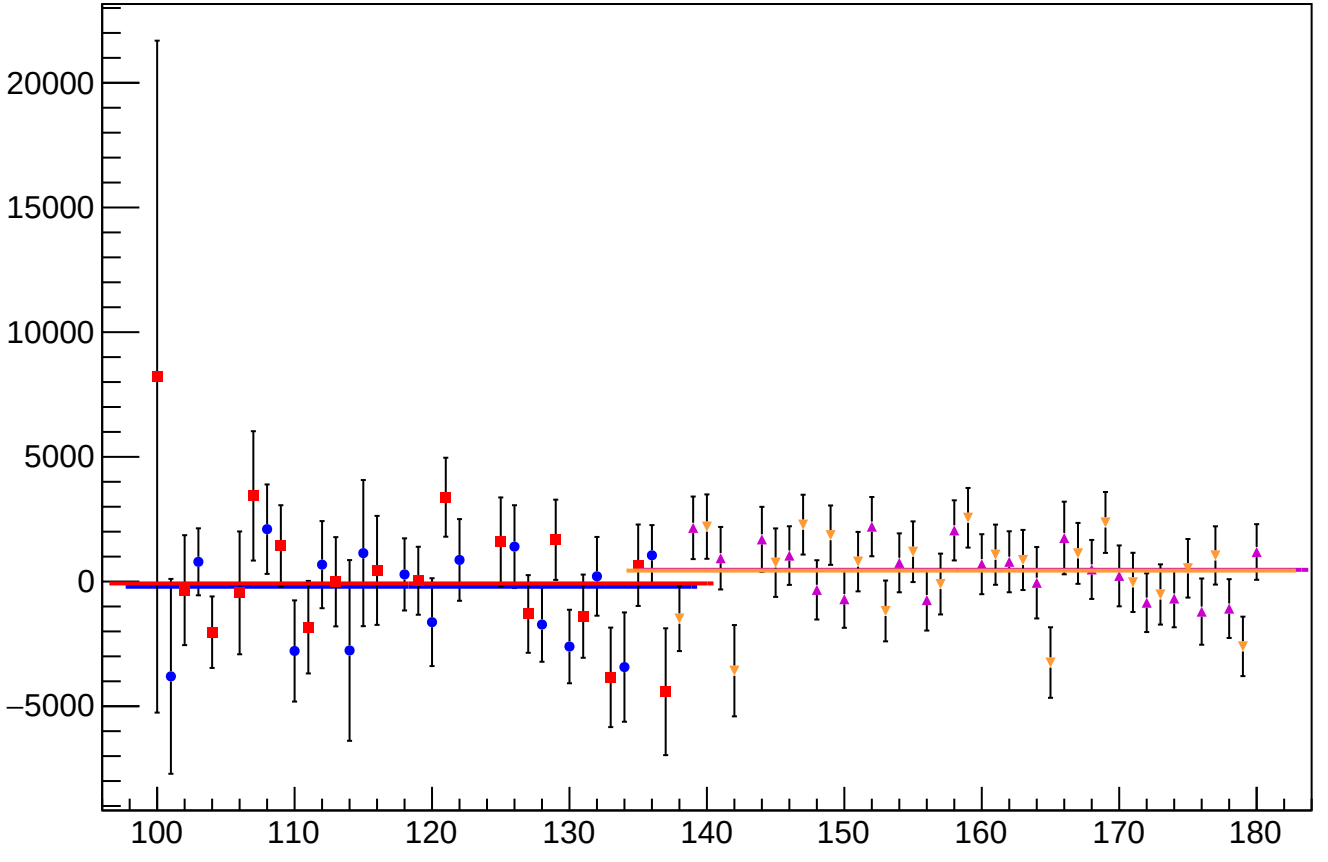
+ sign 26.628+/-331.387 χ^2/NDF: 42.0/36

All: 120.259+/-223.203 χ^2/NDF: 70.4/75

- sign 198.006+/-301.973 χ^2/NDF: 28.3/38


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 544.336+/-0.253 χ²/NDF: 9682967.9/15
Left Out: 3520.052+/-0.623 χ²/NDF:978938.5/20
Right Out: 479.253+/-0.228 χ²/NDF: 9187985.0/17
Left In: 3499.265+/-0.608 χ²/NDF:1098076.9/20
+ sign 965.333+/-0.234 χ²/NDF: 30249478.5/36
All: 903.523+/-0.158 χ²/NDF: 62315178.8/75
- sign 852.198+/-0.214 χ²/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: 439.171+/-271.052 χ^2/NDF:35.8/20

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

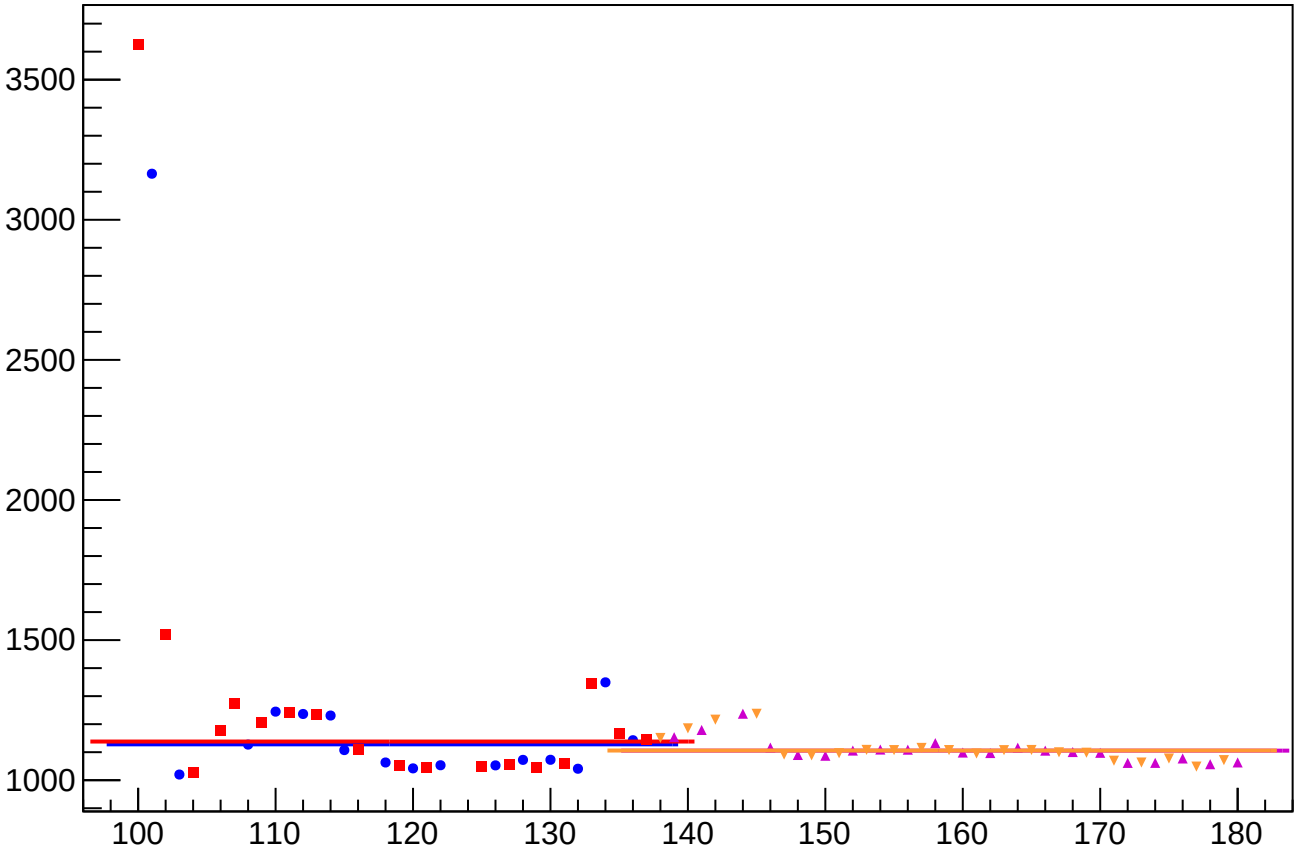
Left In: 470.481+/-266.323 χ^2/NDF:16.5/20

\+ sign 254.593+/-229.170 χ^2/NDF: 52.2/36

All: 287.384+/-161.104 χ^2/NDF: 90.6/75

\- 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: 1105.929+/-0.192 χ^2/NDF:48675.0/20

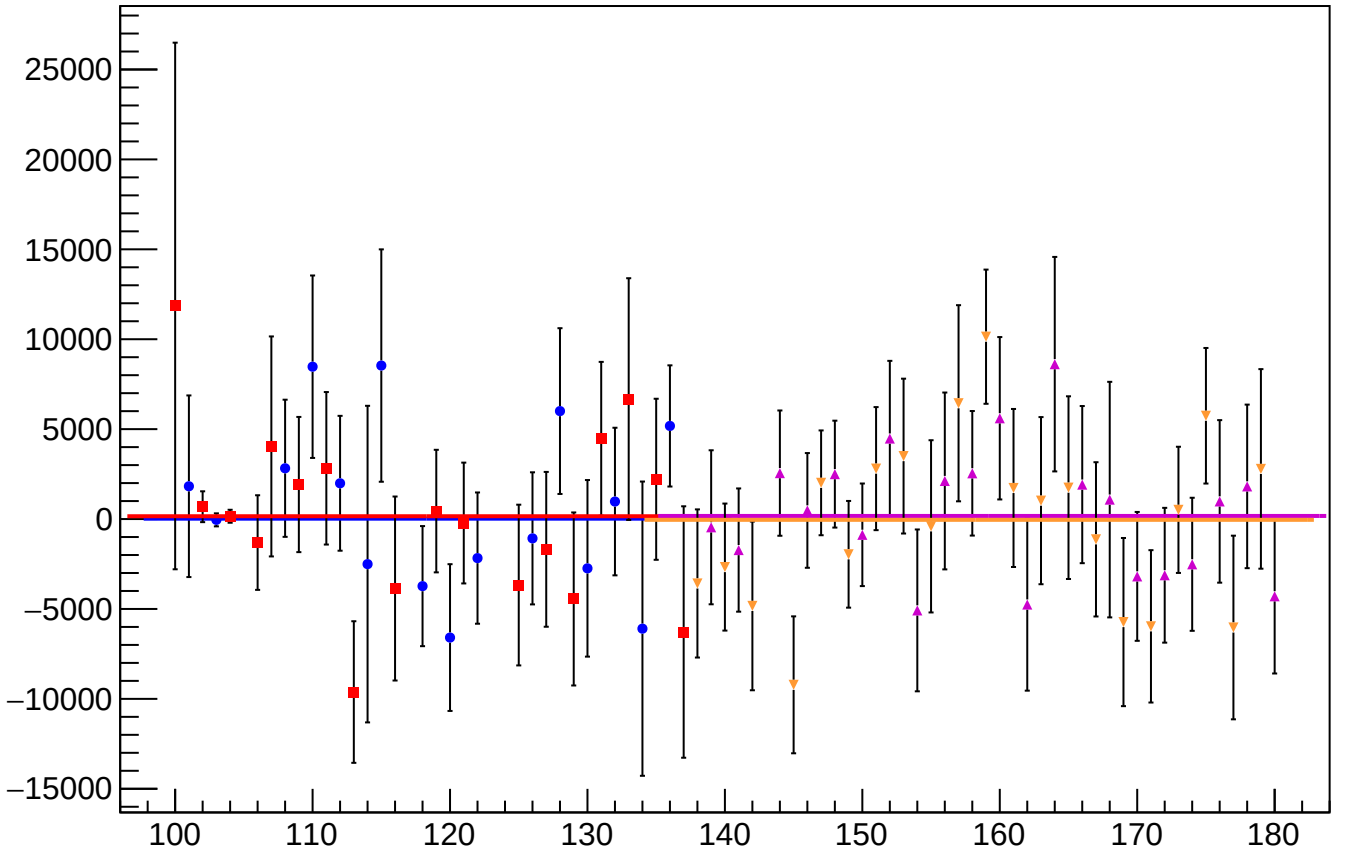
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1105.497+/-0.188 χ^2/NDF:45419.5/20

+ sign 1112.225+/-0.162 χ^2/NDF: 673854.6/36

All: 1113.372+/-0.114 χ^2/NDF: 948241.9/75

- 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: -44.149+/-881.033 χ^2/NDF:27.1/20

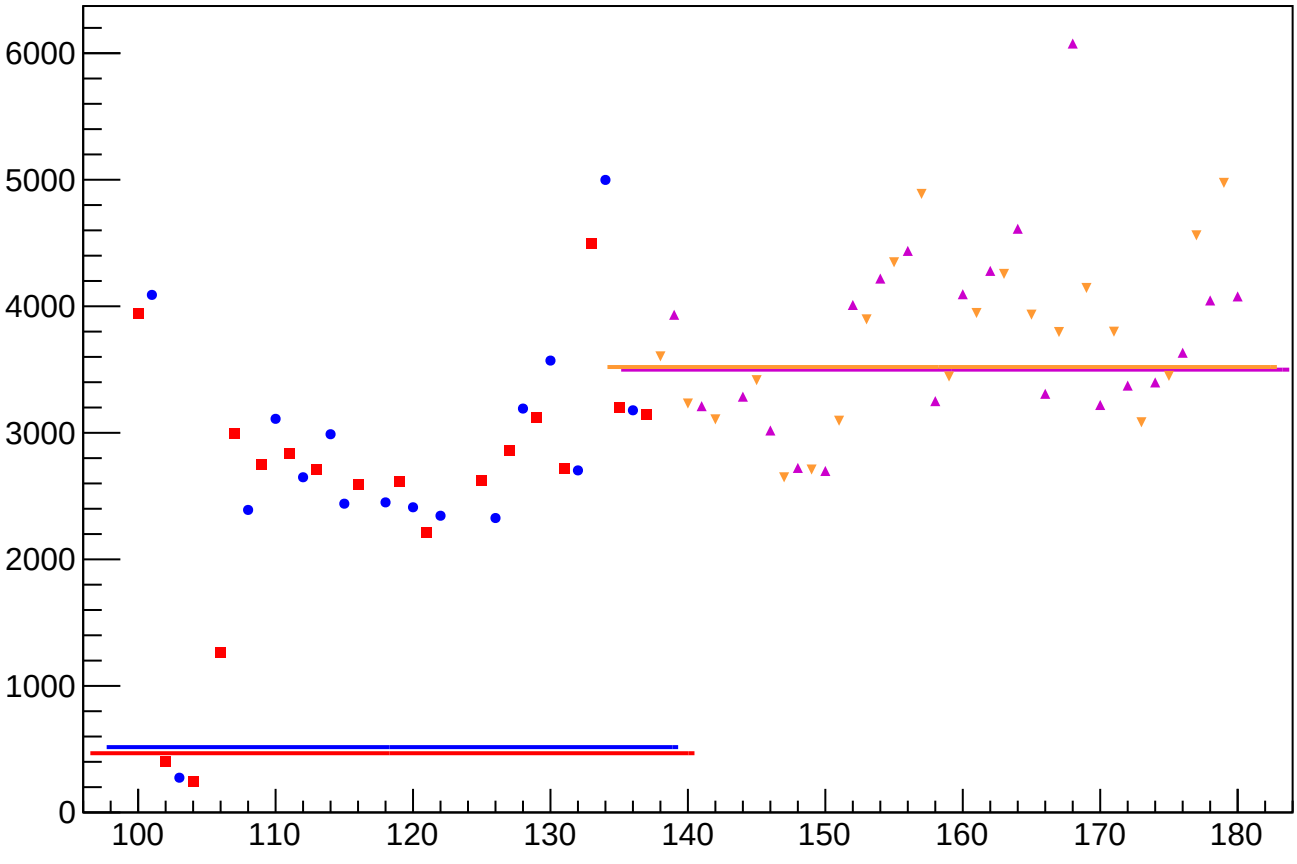
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 172.216+/-859.310 χ^2/NDF:12.6/20

+ sign 12.919+/-320.865 χ^2/NDF: 42.0/36

All: 90.962+/-218.241 χ^2/NDF: 68.8/75

- 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: 3520.052+/-0.623 χ^2/NDF:978947.3/20

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

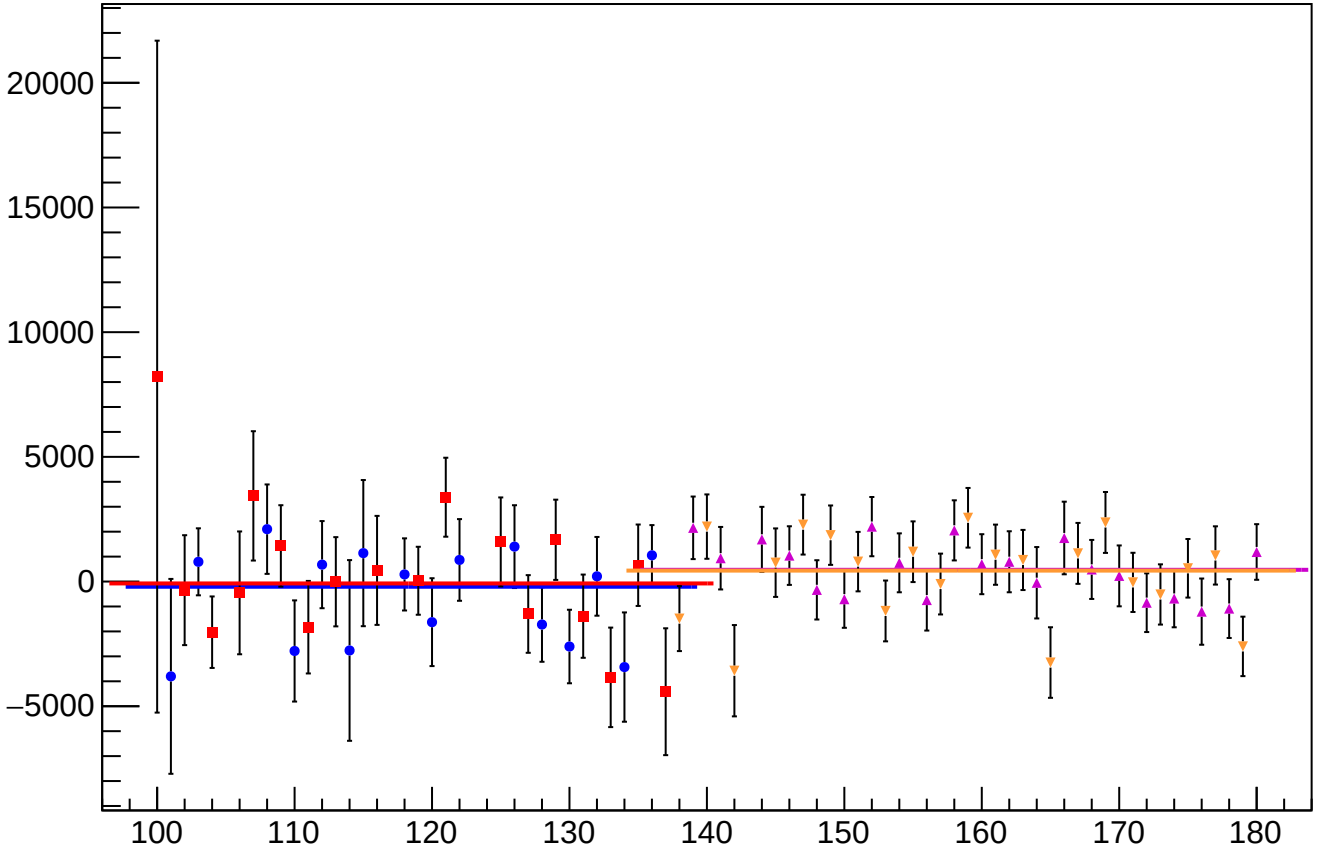
Left In: 3499.264+/-0.608 χ^2/NDF:1098083.6/20

+ sign 914.701+/-0.227 χ^2/NDF: 30977611.7/36

All: 870.204+/-0.154 χ^2/NDF: 63157694.3/75

- 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: 439.171+/-271.052 χ^2/NDF:35.8/20

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

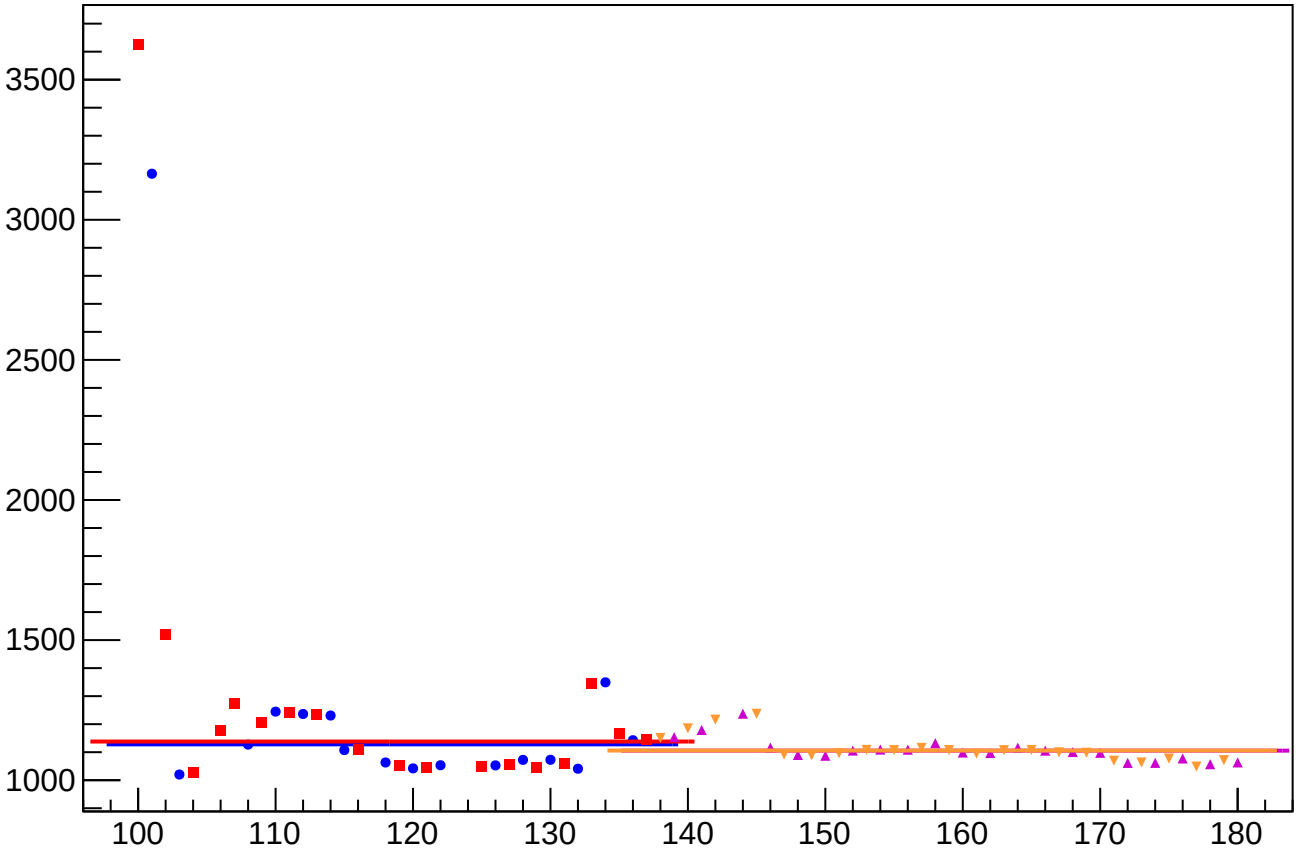
Left In: 470.481+/-266.323 χ^2/NDF:16.5/20

\+ sign 254.593+/-229.170 χ^2/NDF: 52.2/36

All: 287.384+/-161.104 χ^2/NDF: 90.6/75

\- sign 319.422+/-226.525 χ^2/NDF: 38.3/38

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1105.929+/-0.192 χ^2/NDF:48675.0/20

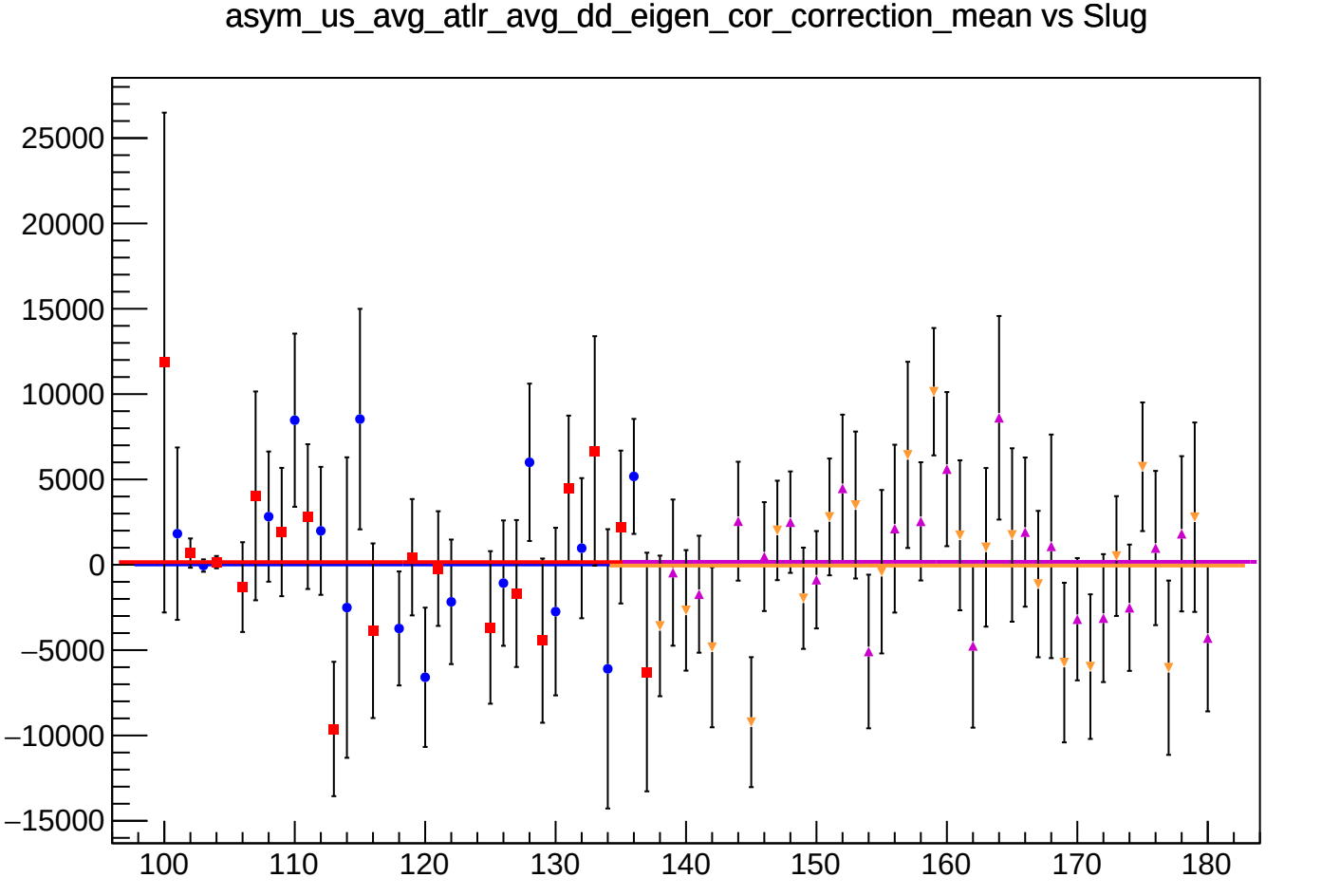
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1105.497+/-0.188 χ^2/NDF:45419.5/20

+ sign 1112.225+/-0.162 χ^2/NDF: 673854.6/36

All: 1113.372+/-0.114 χ^2/NDF: 948241.9/75

- 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: -44.149+/-881.033 χ^2/NDF:27.1/20

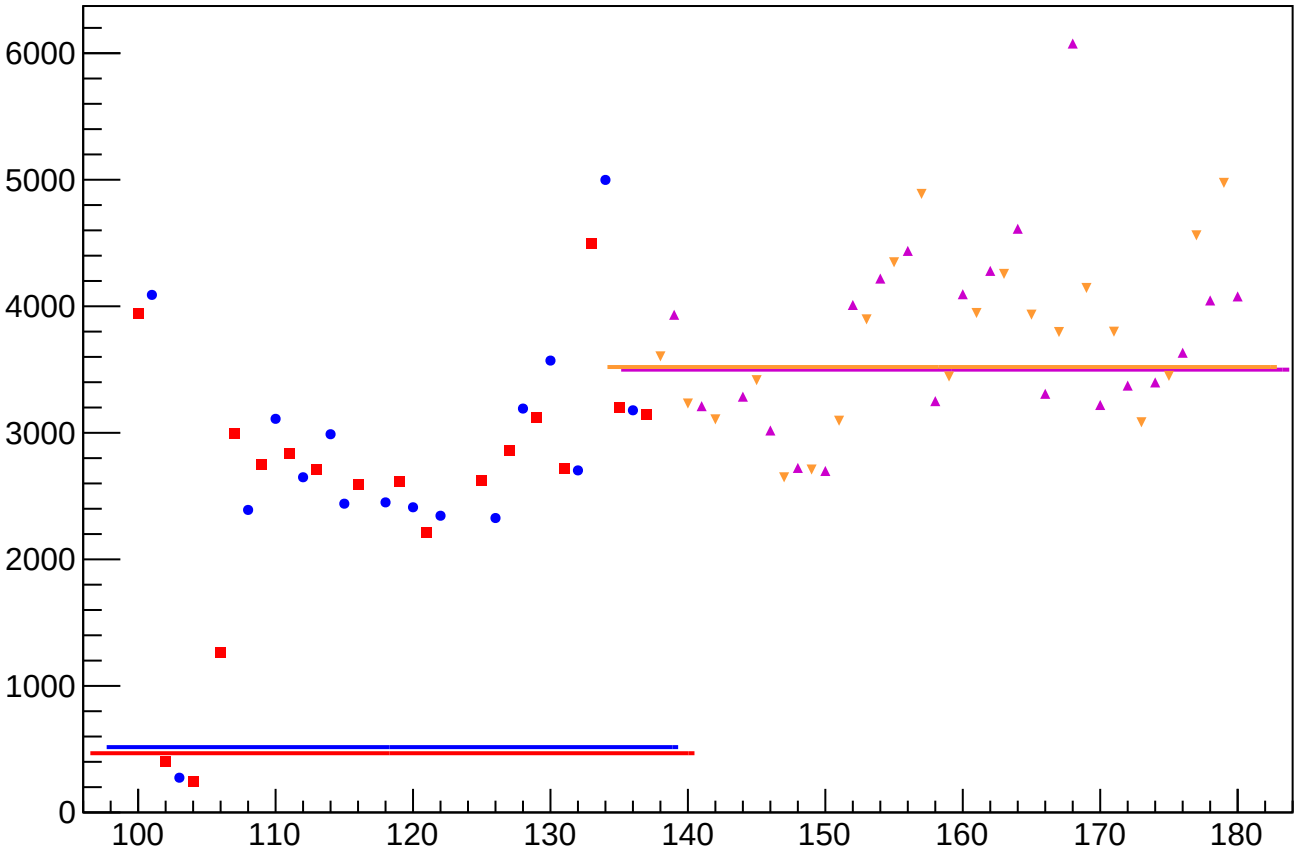
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 172.216+/-859.310 χ^2/NDF:12.6/20

+ sign 12.919+/-320.865 χ^2/NDF: 42.0/36

All: 90.962+/-218.241 χ^2/NDF: 68.8/75

- 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: 3520.052+/-0.623 χ^2/NDF:978947.3/20

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

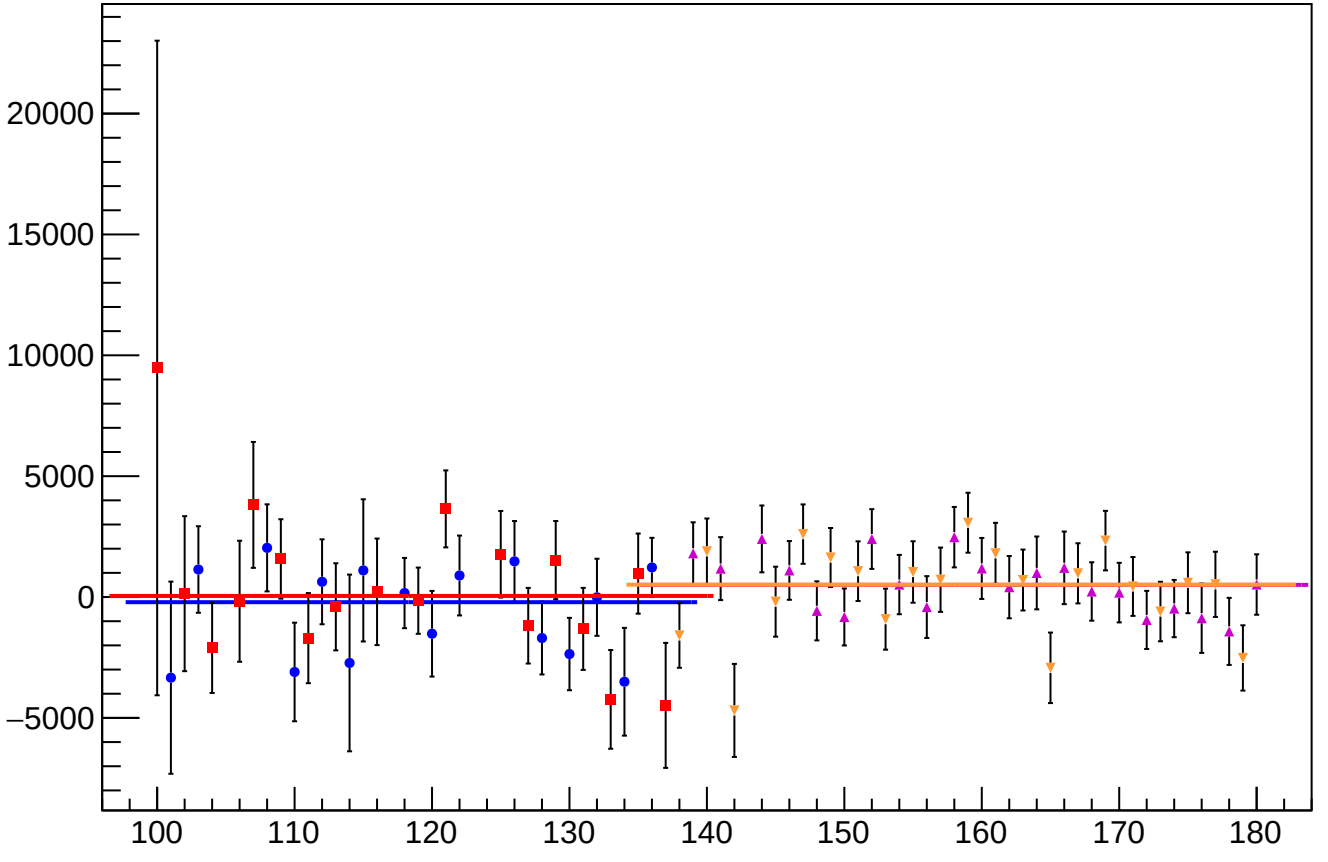
Left In: 3499.264+/-0.608 χ^2/NDF:1098083.6/20

+ sign 914.701+/-0.227 χ^2/NDF: 30977611.7/36

All: 870.204+/-0.154 χ^2/NDF: 63157694.3/75

- sign 831.897+/-0.211 χ^2/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: 510.893+/-283.999 χ^2/NDF:35.6/20

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

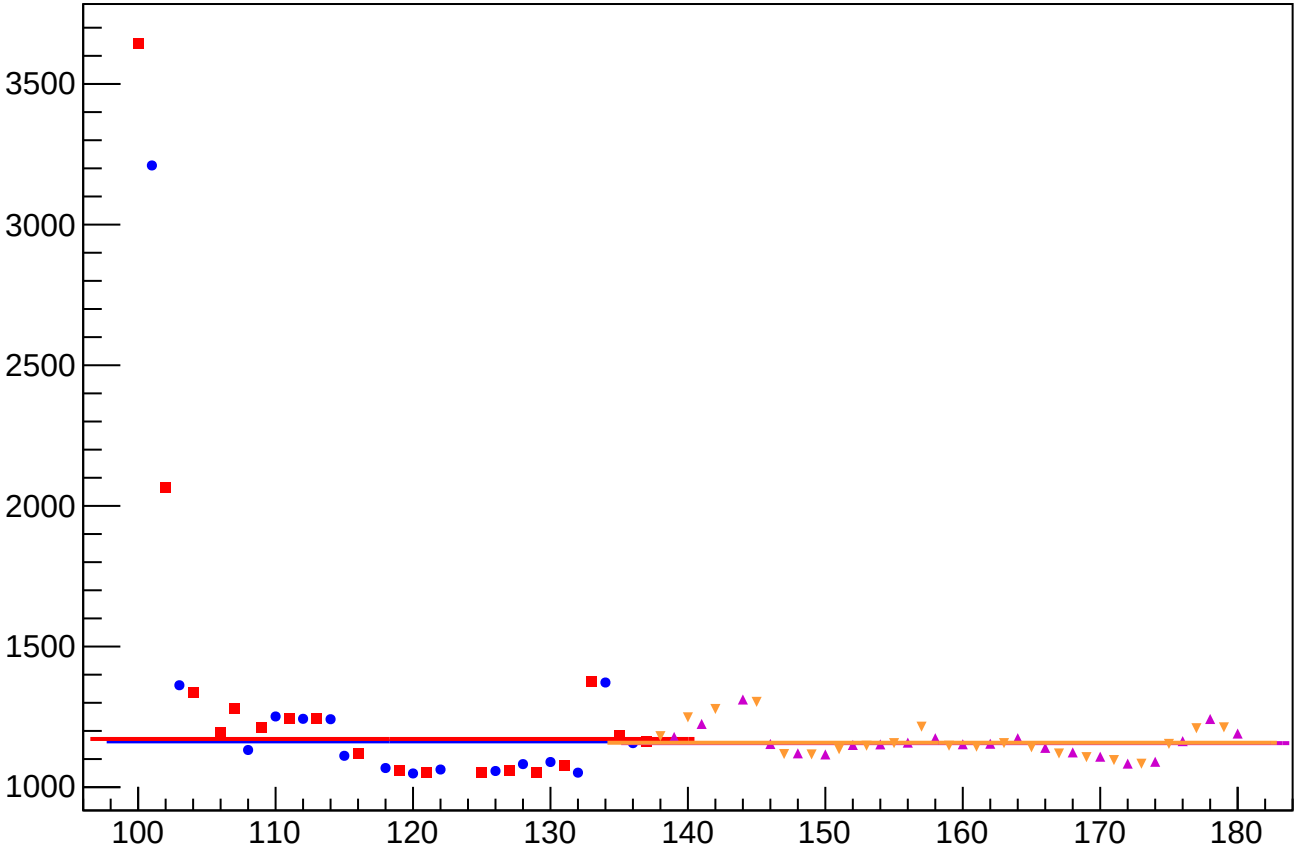
Left In: 503.728+/-278.764 χ^2/NDF:16.6/20

+ sign 299.804+/-239.037 χ^2/NDF: 51.8/36

All: 338.054+/-168.146 χ^2/NDF: 90.8/75

- 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: 1158.045+/-0.201 χ^2/NDF:71011.7/20

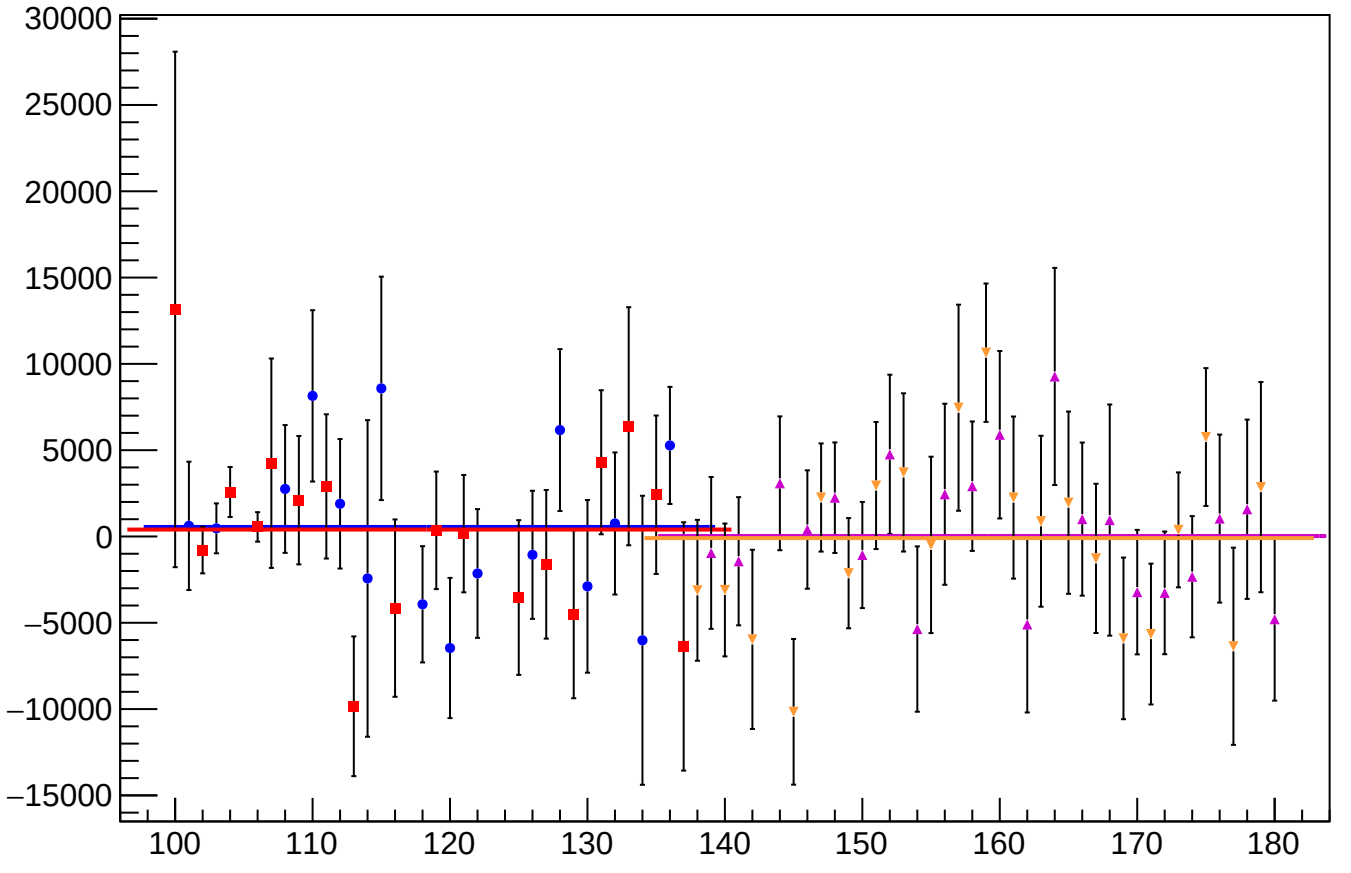
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1156.585+/-0.197 χ^2/NDF:63712.8/20

+ sign 1159.447+/-0.169 χ^2/NDF: 706532.2/36

All: 1160.100+/-0.119 χ^2/NDF: 1103501.4/75

- 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: -93.911+/-927.493 χ^2/NDF:26.8/20

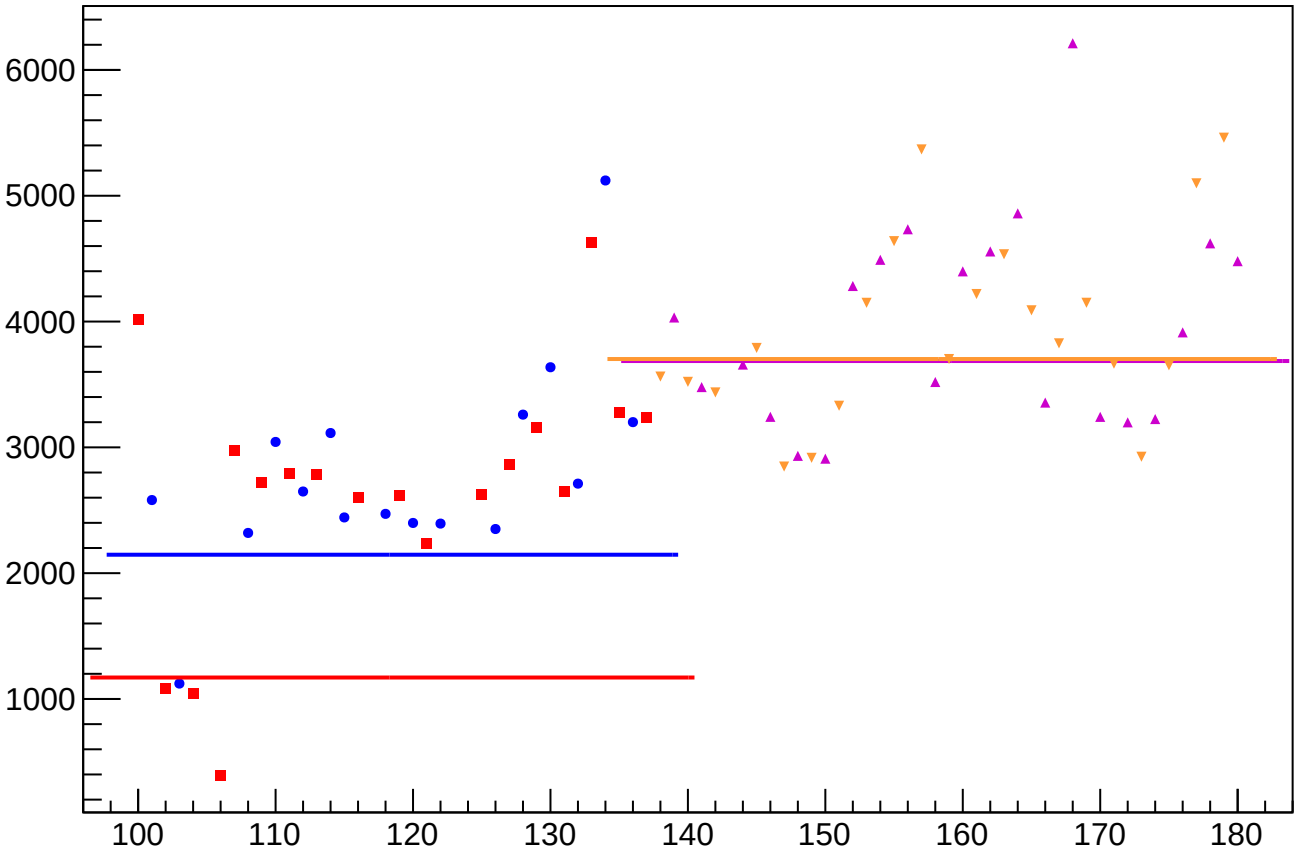
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 25.152+/-906.215 χ^2/NDF:12.6/20

+ sign 248.434+/-636.131 χ^2/NDF: 41.4/36

All: 278.205+/-383.149 χ^2/NDF: 70.8/75

- sign 295.154+/-479.980 χ^2/NDF: 29.4/38



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3702.142+/-0.656 χ^2/NDF:1052186.7/20

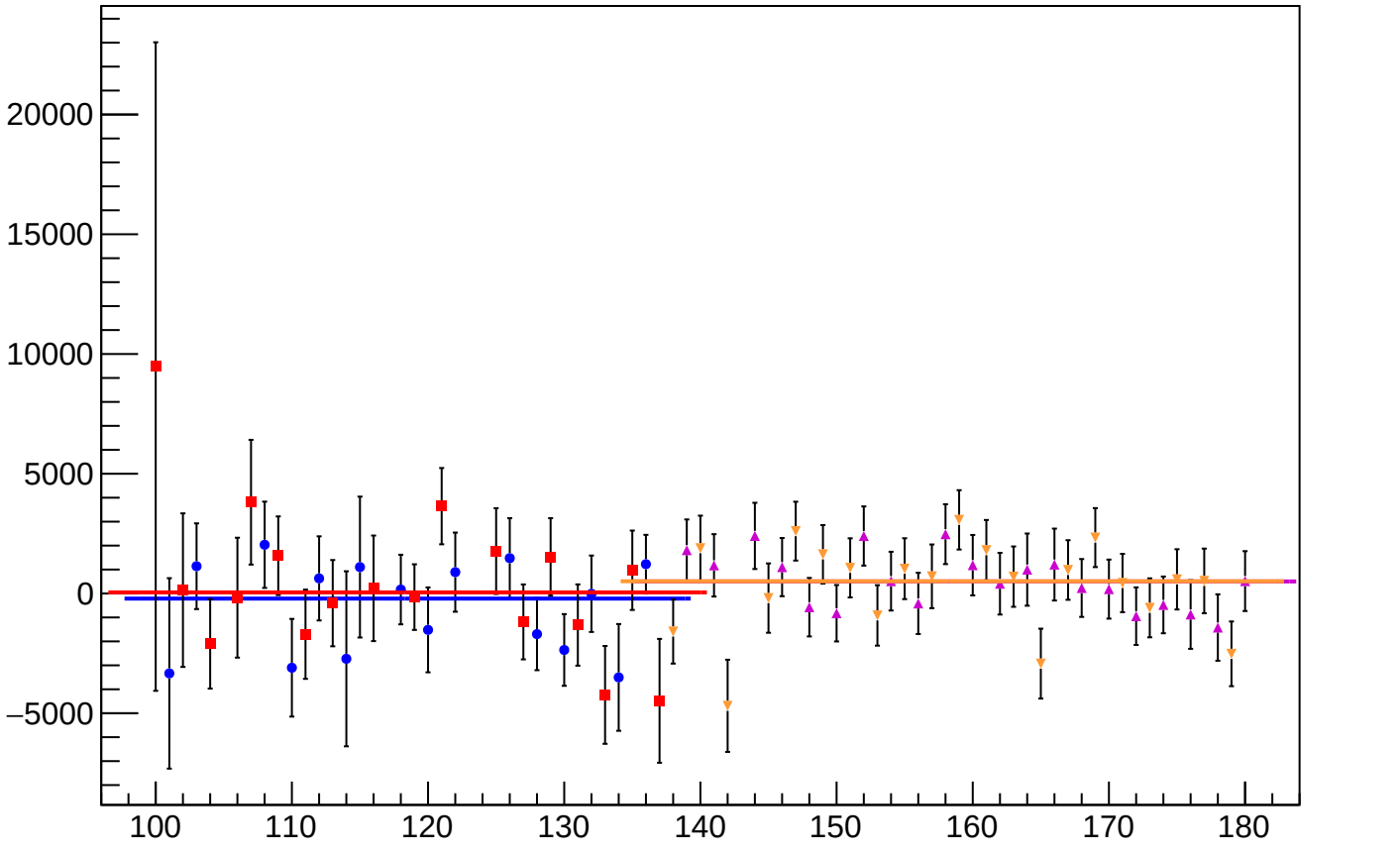
Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3686.193+/-0.641 χ^2/NDF:1158886.1/20

+ sign 2878.344+/-0.450 χ^2/NDF: 6006160.3/36

All: 2239.812+/-0.271 χ^2/NDF: 27233287.0/7

- sign 1876.287+/-0.339 χ^2/NDF: 18064765.3/38



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 510.894+/-284.000 χ^2/NDF:35.6/20

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

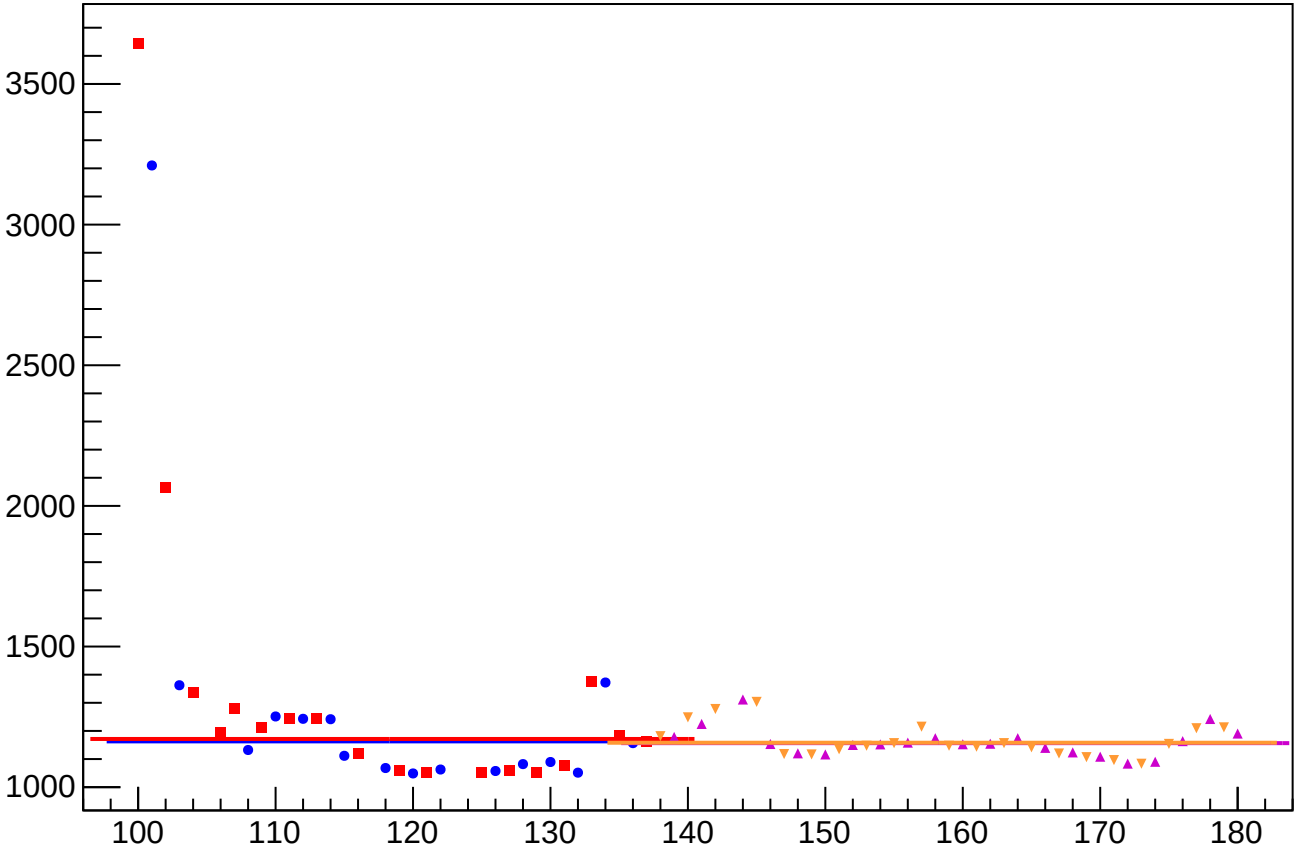
Left In: 503.727+/-278.764 χ^2/NDF:16.6/20

+ sign 299.804+/-239.037 χ^2/NDF: 51.8/36

All: 338.054+/-168.146 χ^2/NDF: 90.8/75

- 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: 1158.046+/-0.201 χ^2/NDF:71014.4/20

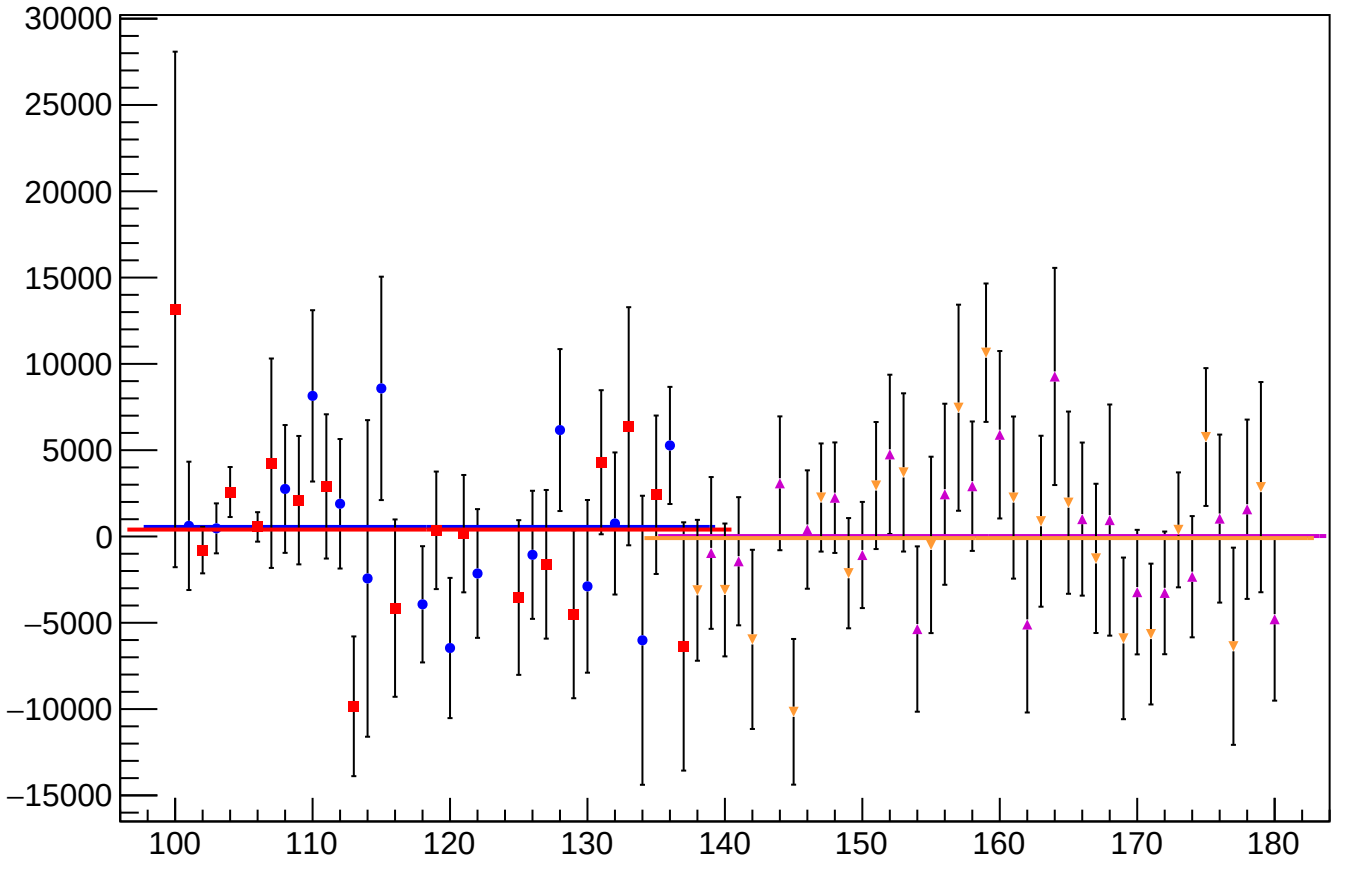
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1156.586+/-0.197 χ^2/NDF:63715.3/20

+ sign 1159.447+/-0.169 χ^2/NDF: 706534.9/36

All: 1160.100+/-0.119 χ^2/NDF: 1103506.0/75

- sign 1160.740+/-0.167 χ^2/NDF: 396941.5/38



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -93.912+/-927.494 χ^2/NDF:26.8/20

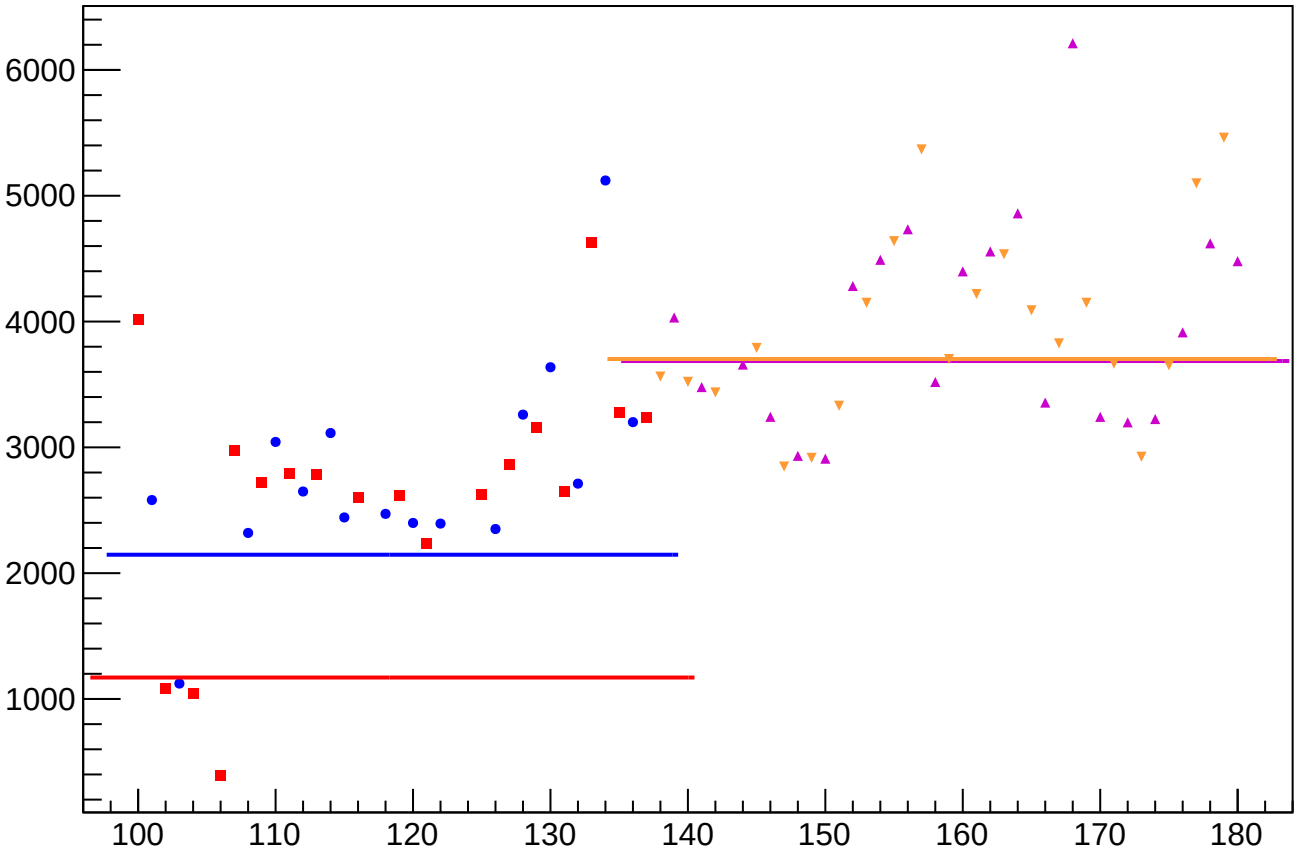
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 25.151+/-906.216 χ^2/NDF:12.6/20

\+ sign 248.431+/-636.131 χ^2/NDF: 41.4/36

All: 278.205+/-383.147 χ^2/NDF: 70.8/75

\- sign 295.156+/-479.976 χ^2/NDF: 29.4/38



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3702.148+/-0.656 χ^2/NDF:1052189.5/20

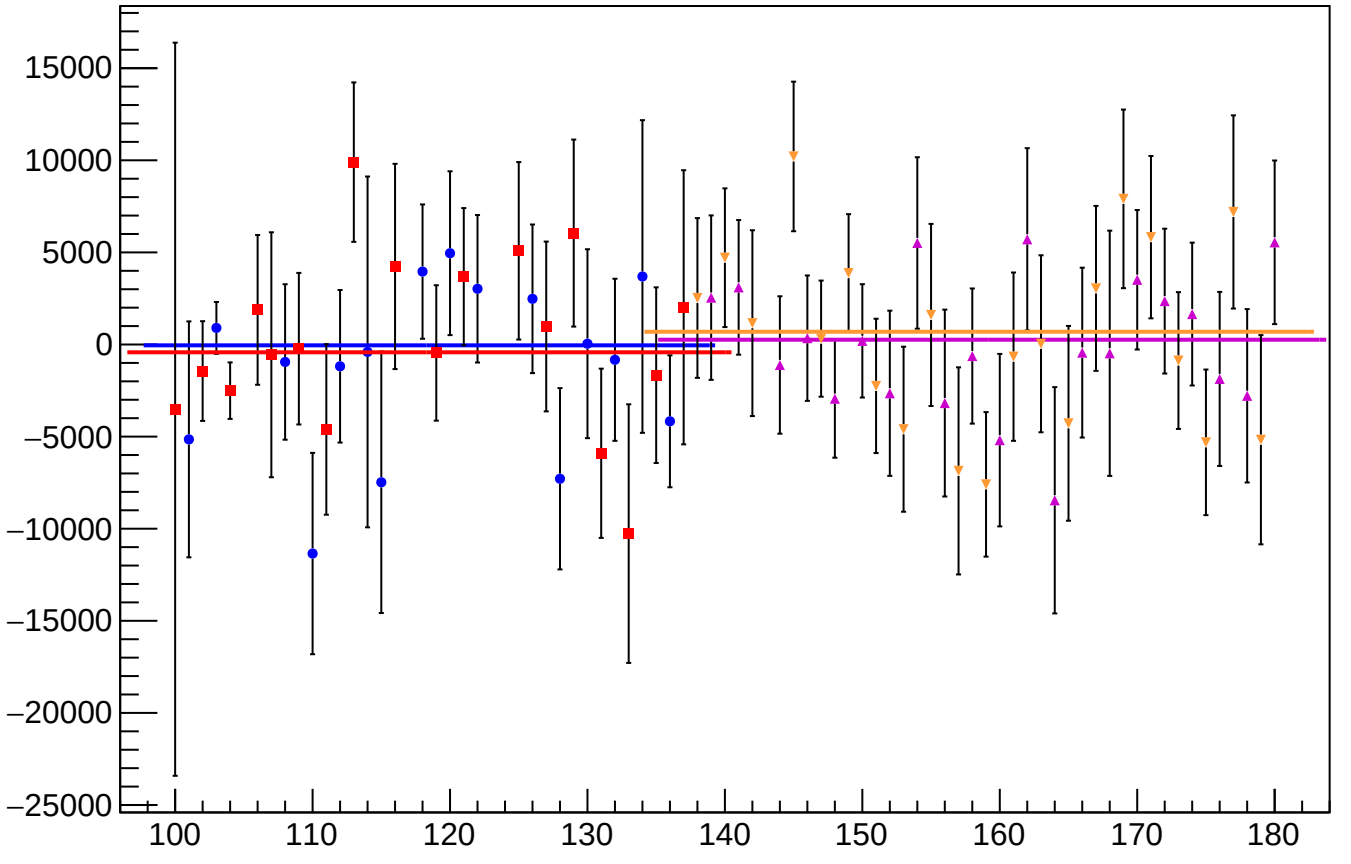
Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3686.199+/-0.641 χ^2/NDF:1158889.9/20

+ sign 2878.343+/-0.450 χ^2/NDF: 6006191.6/36

All: 2239.790+/-0.271 χ^2/NDF: 27233942.6/7

- sign 1876.258+/-0.339 χ^2/NDF: 18065196.9/38



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 692.360+/-928.691 χ^2/NDF:26.1/20

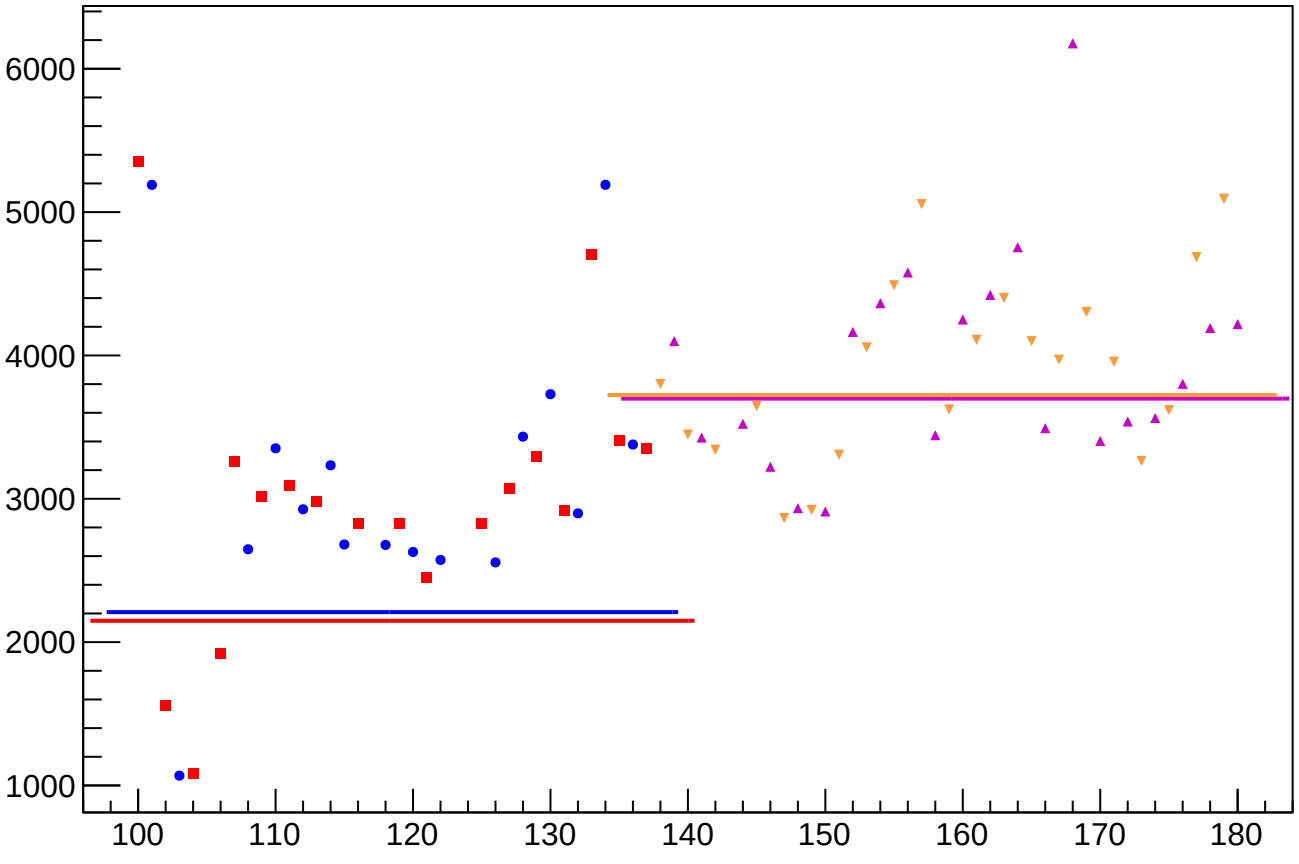
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 259.715+/-905.502 χ^2/NDF:12.0/20

+ sign 320.572+/-653.853 χ^2/NDF: 40.2/36

All: 112.440+/-456.329 χ^2/NDF: 70.0/75

- 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: 3723.889+/-0.657 χ^2/NDF:815796.4/20

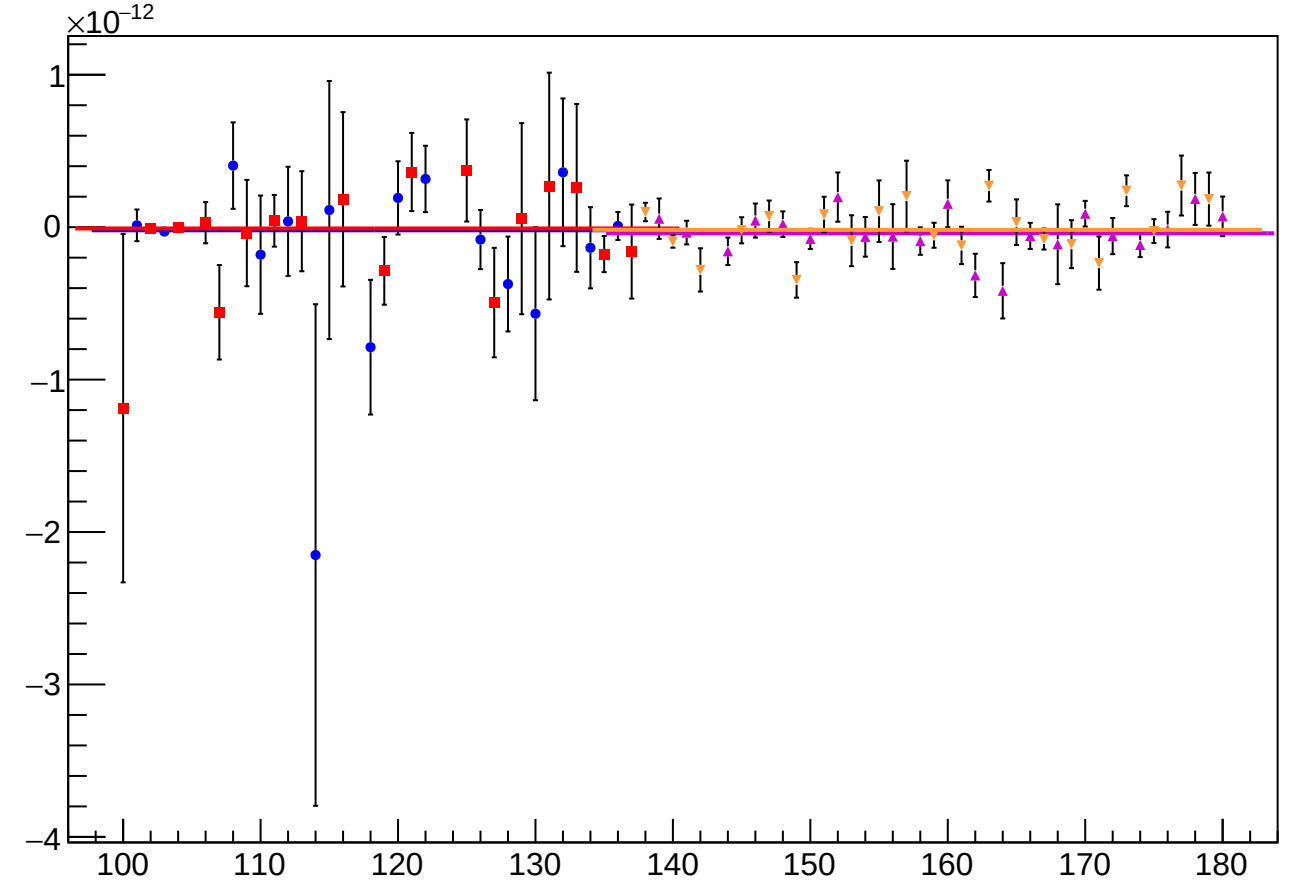
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3698.926+/-0.640 χ^2/NDF:926776.3/20

+ sign 2960.102+/-0.462 χ^2/NDF: 6335174.8/36

All: 2936.706+/-0.322 χ^2/NDF: 12502152.2/7

- 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:43.0/20

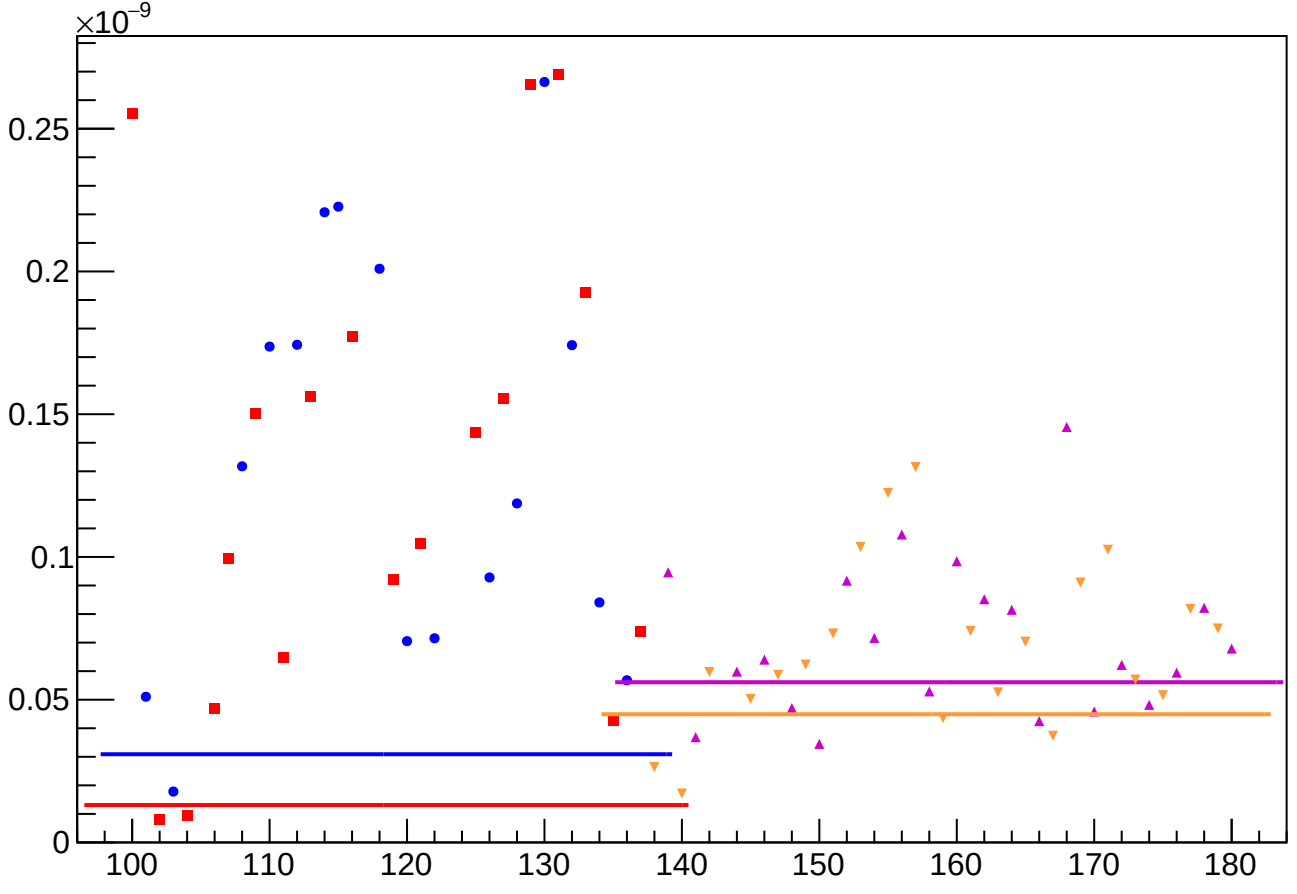
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:21.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 56.7/36

All: -0.000+/-0.000 χ^2/NDF: 93.8/75

- sign -0.000+/-0.000 χ^2/NDF: 37.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2930440.2/20

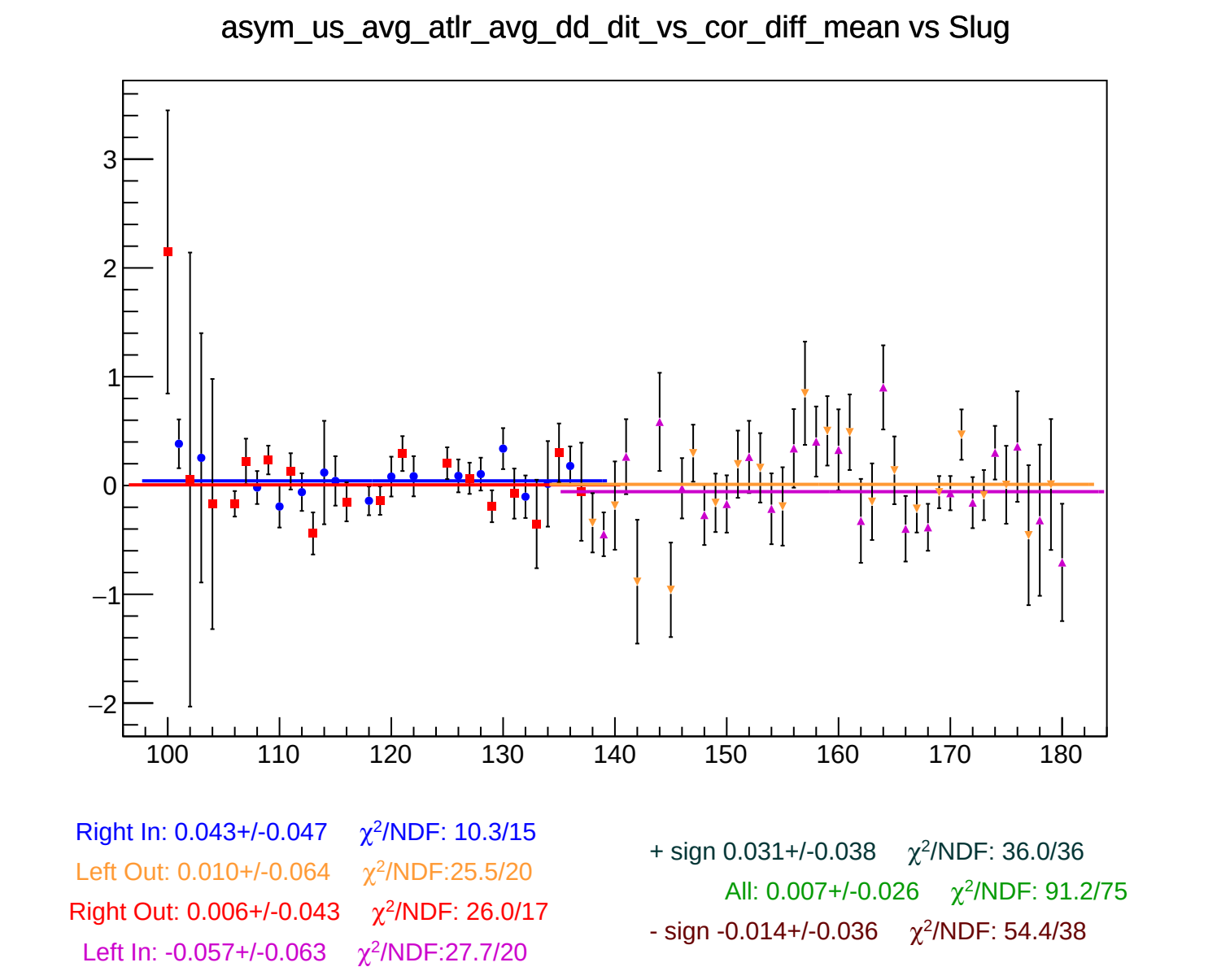
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

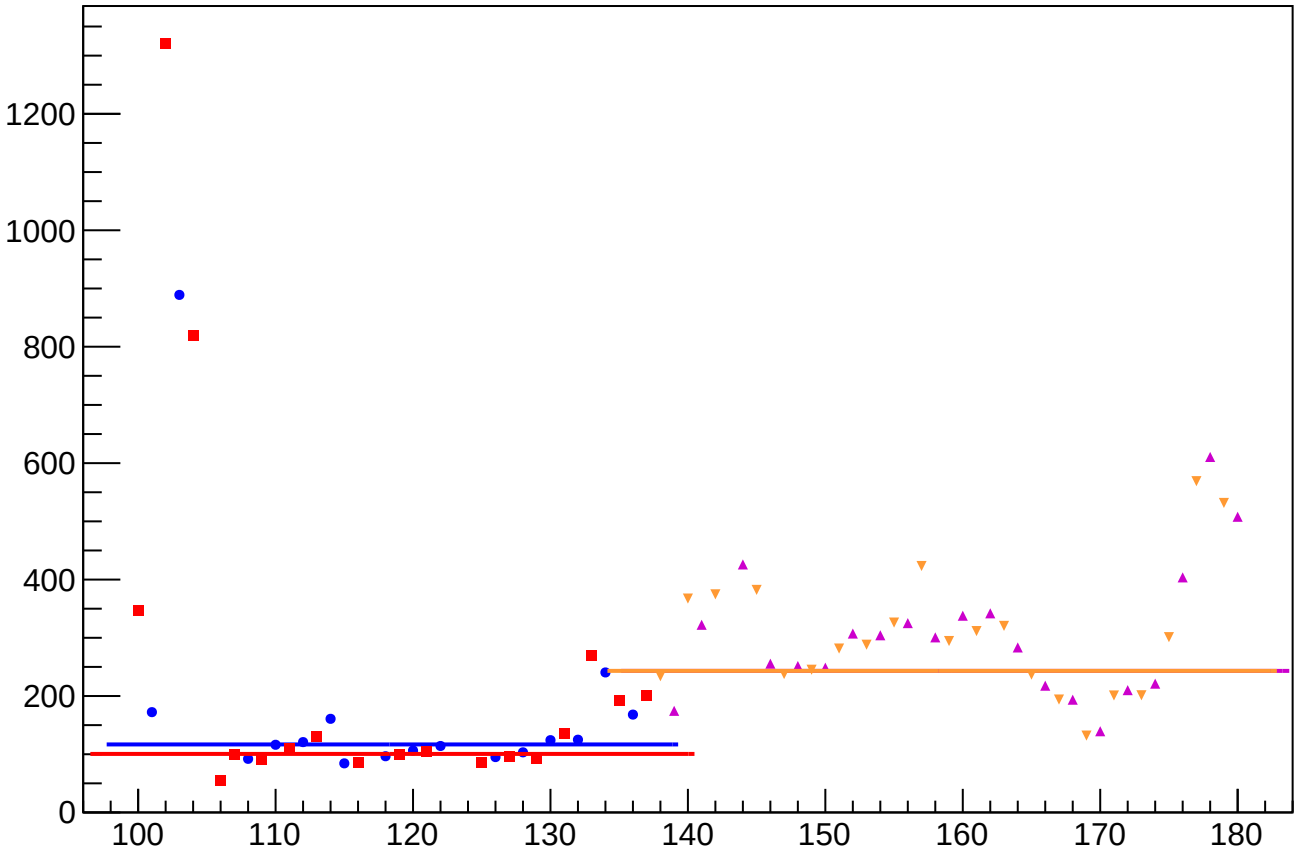
Left In: 0.000+/-0.000 χ^2/NDF:1463089.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 6293588.1/36

All: 0.000+/-0.000 χ^2/NDF: 17179067.6/75

- sign 0.000+/-0.000 χ^2/NDF: 9973289.4/38


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.064 χ²/NDF:25.5/20
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.057+/-0.063 χ²/NDF:27.7/20
+ sign 0.031+/-0.038 χ²/NDF: 36.0/36
All: 0.007+/-0.026 χ²/NDF: 91.2/75
- sign -0.014+/-0.036 χ²/NDF: 54.4/38



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 243.193+/-0.045 χ^2/NDF:3578378.5/20

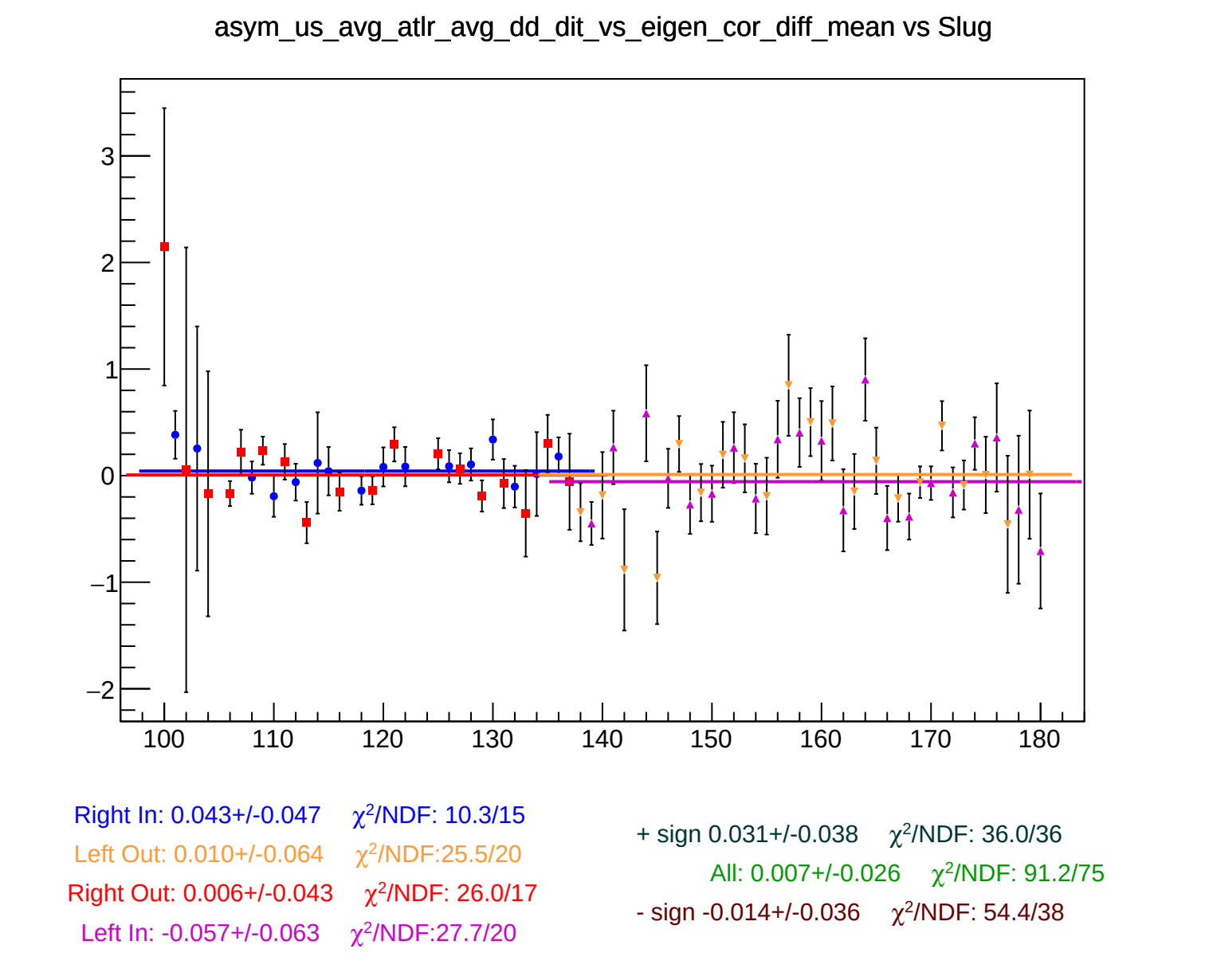
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

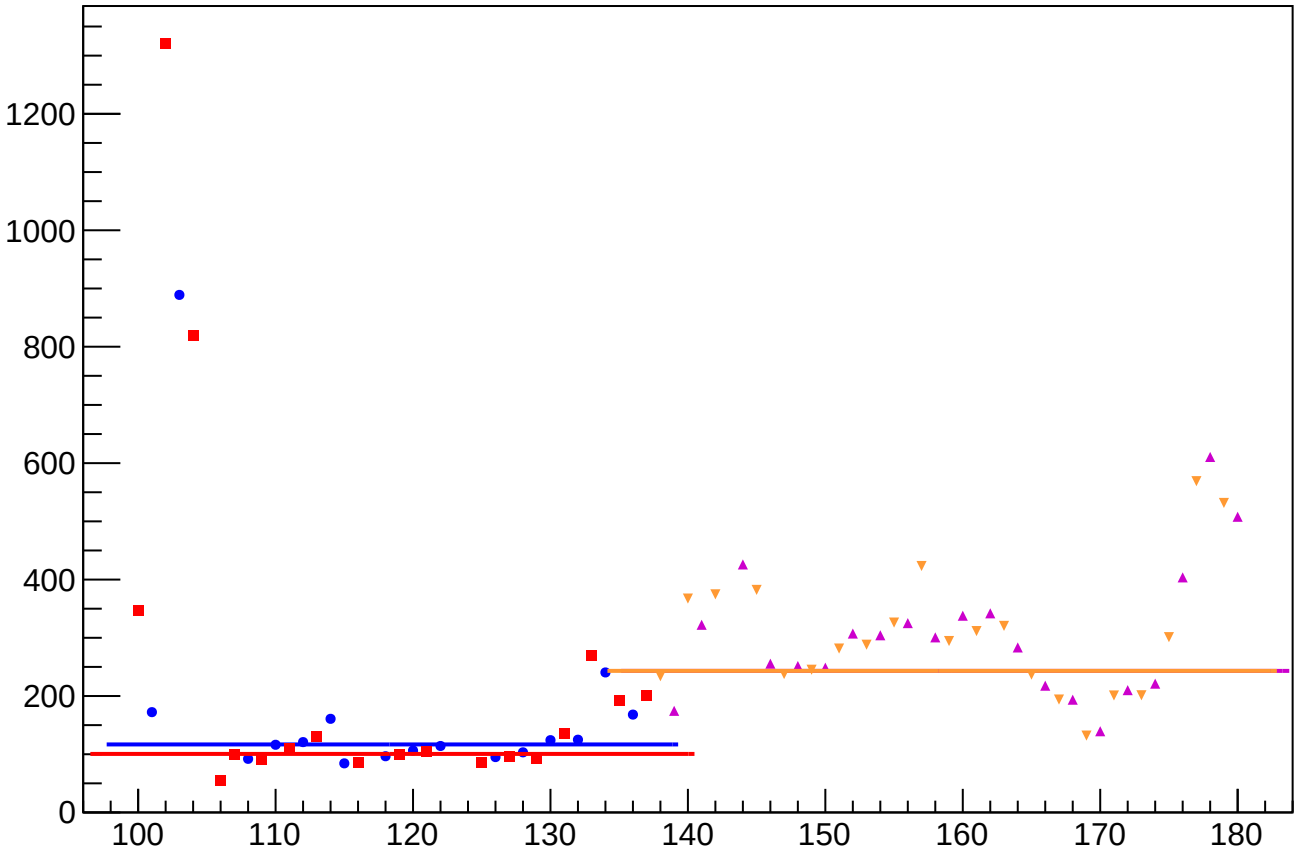
Left In: 243.153+/-0.045 χ^2/NDF:3551418.6/20

+ sign 161.441+/-0.027 χ^2/NDF: 10201668.8/36

All: 153.420+/-0.018 χ^2/NDF: 23531800.6/75

- 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
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.064 χ²/NDF:25.5/20
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.057+/-0.063 χ²/NDF:27.7/20
+ sign 0.031+/-0.038 χ²/NDF: 36.0/36
All: 0.007+/-0.026 χ²/NDF: 91.2/75
- sign -0.014+/-0.036 χ²/NDF: 54.4/38



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 243.193+/-0.045 χ^2/NDF:3578378.5/20

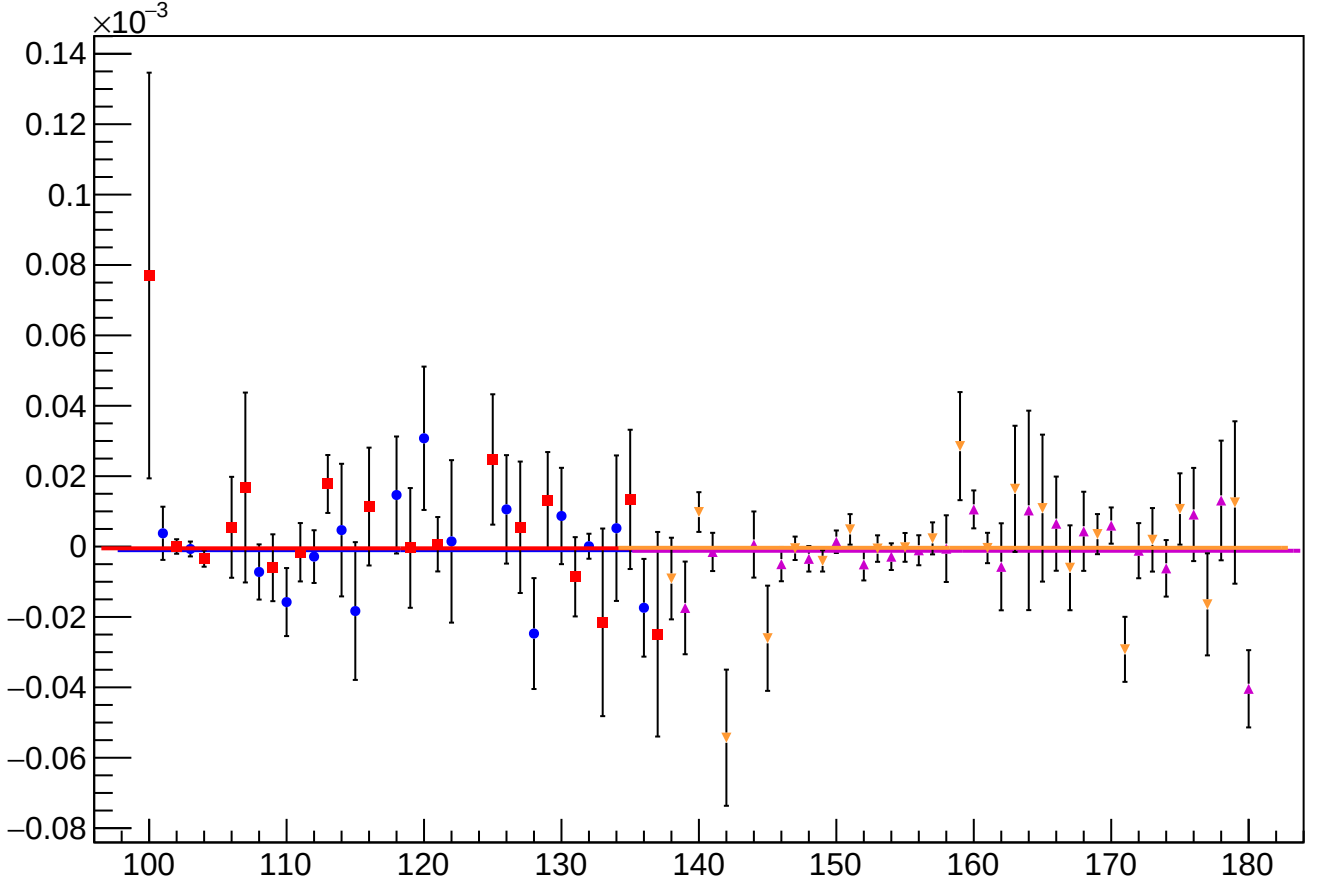
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.153+/-0.045 χ^2/NDF:3551418.6/20

+ sign 161.441+/-0.027 χ^2/NDF: 10201668.8/36

All: 153.420+/-0.018 χ^2/NDF: 23531800.6/75

- 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:35.8/20

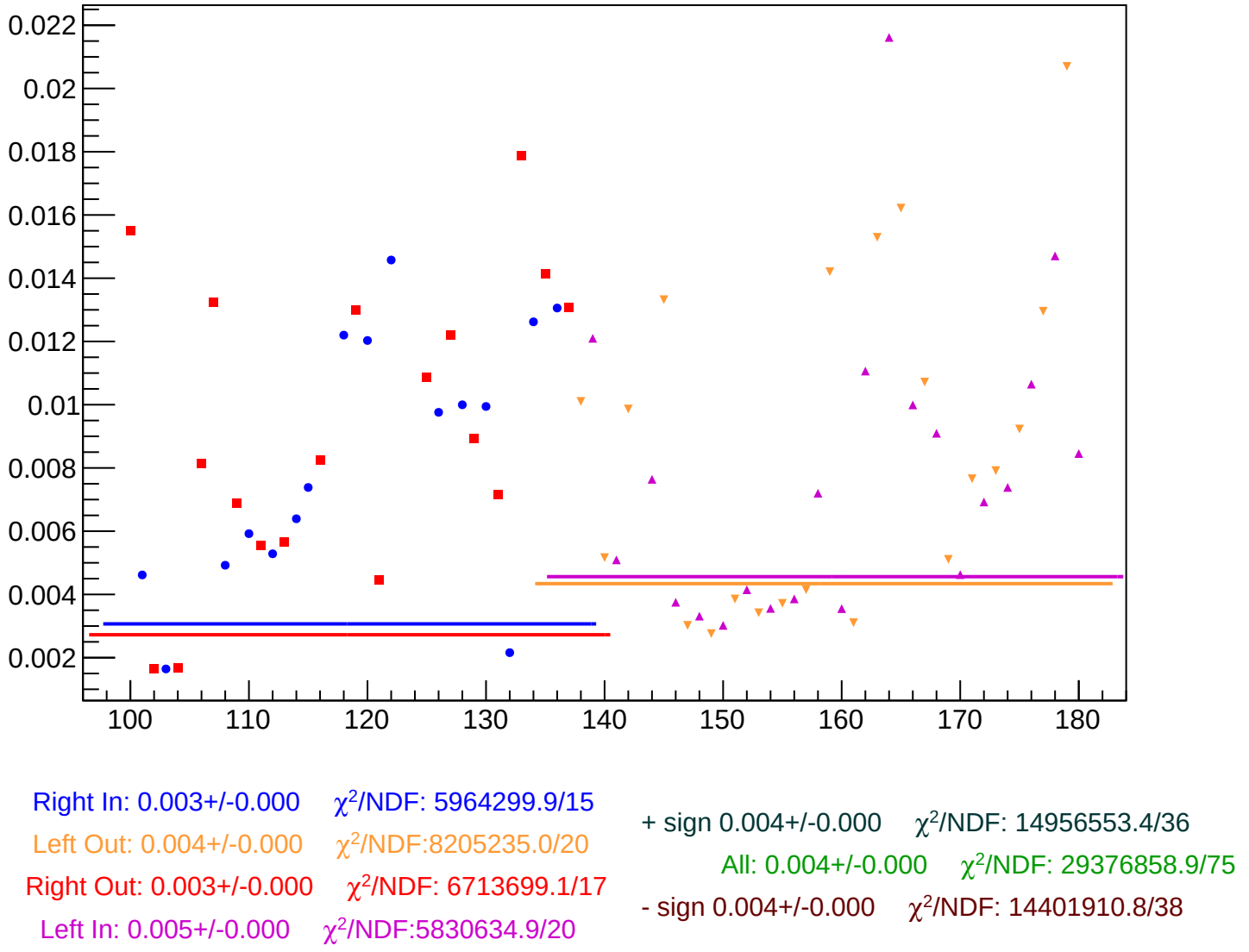
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

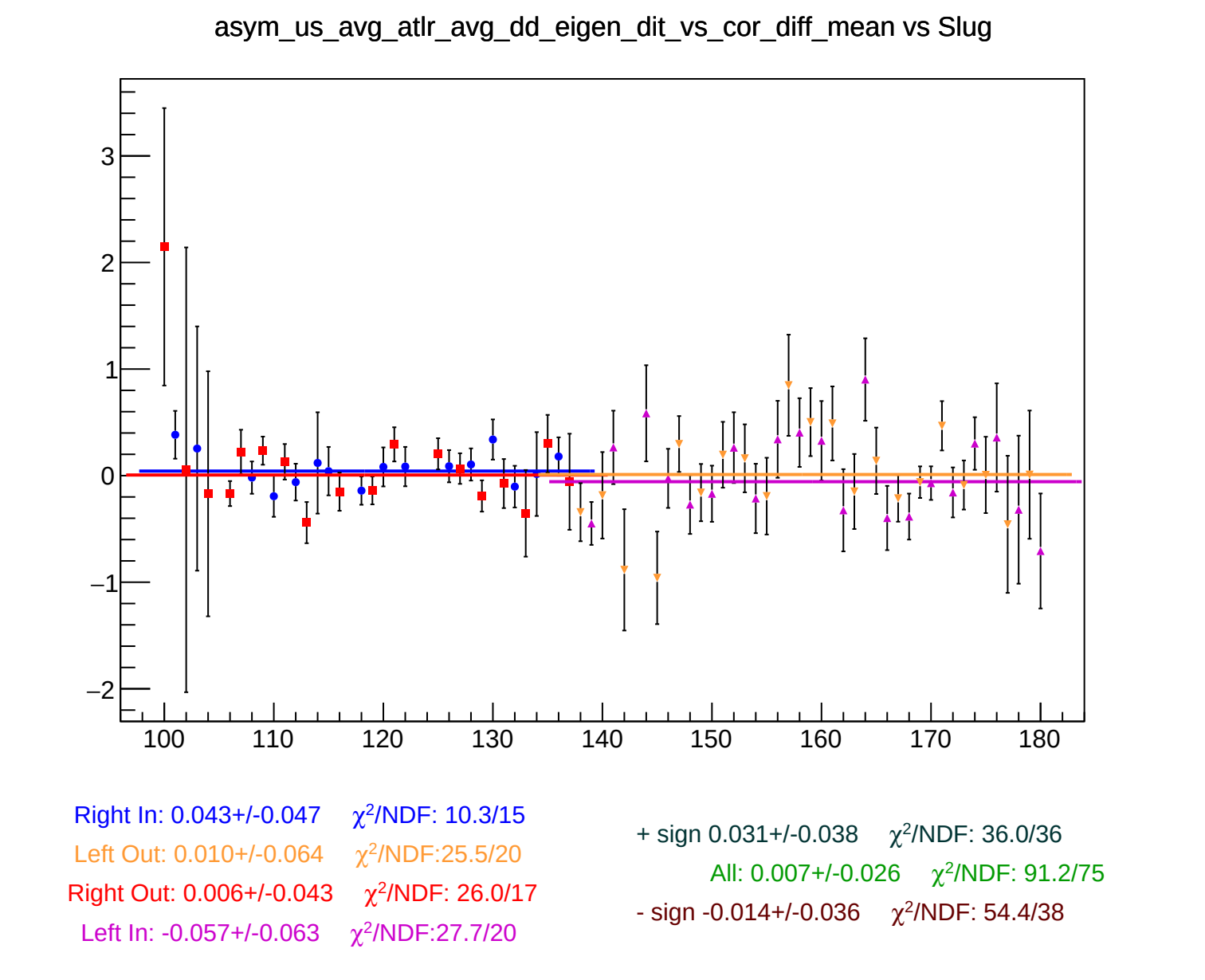
Left In: -0.000+/-0.000 χ^2/NDF:26.1/20

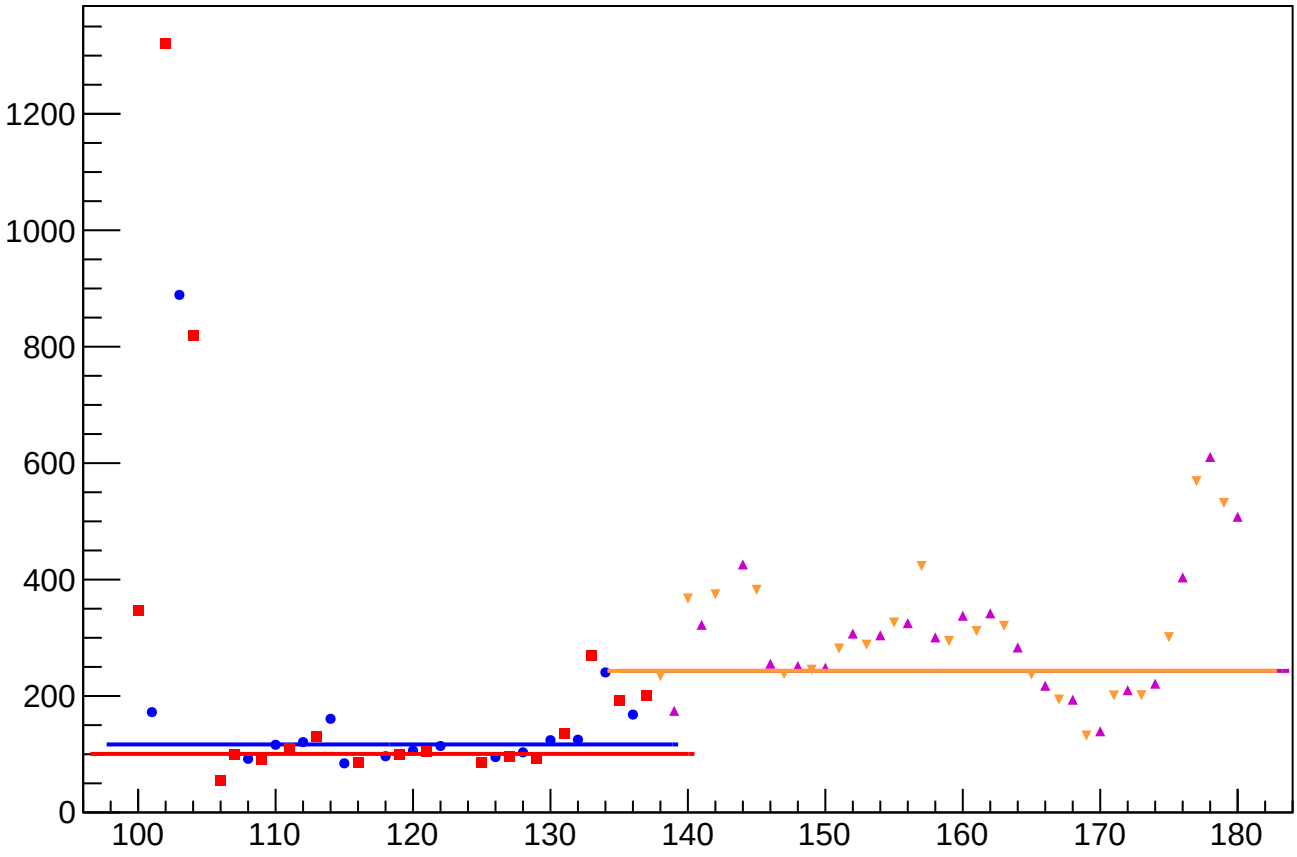
+ sign -0.000+/-0.000 χ^2/NDF: 48.5/36

All: -0.000+/-0.000 χ^2/NDF: 89.8/75

- sign -0.000+/-0.000 χ^2/NDF: 41.3/38


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
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: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:8205235.0/20
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.005+/-0.000 χ²/NDF:5830634.9/20
+ sign 0.004+/-0.000 χ²/NDF: 14956553.4/36
All: 0.004+/-0.000 χ²/NDF: 29376858.9/75
- sign 0.004+/-0.000 χ²/NDF: 14401910.8/38


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.064 χ²/NDF:25.5/20
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.057+/-0.063 χ²/NDF:27.7/20
+ sign 0.031+/-0.038 χ²/NDF: 36.0/36
All: 0.007+/-0.026 χ²/NDF: 91.2/75
- sign -0.014+/-0.036 χ²/NDF: 54.4/38



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 243.194+/-0.045 χ^2/NDF:3578530.3/20

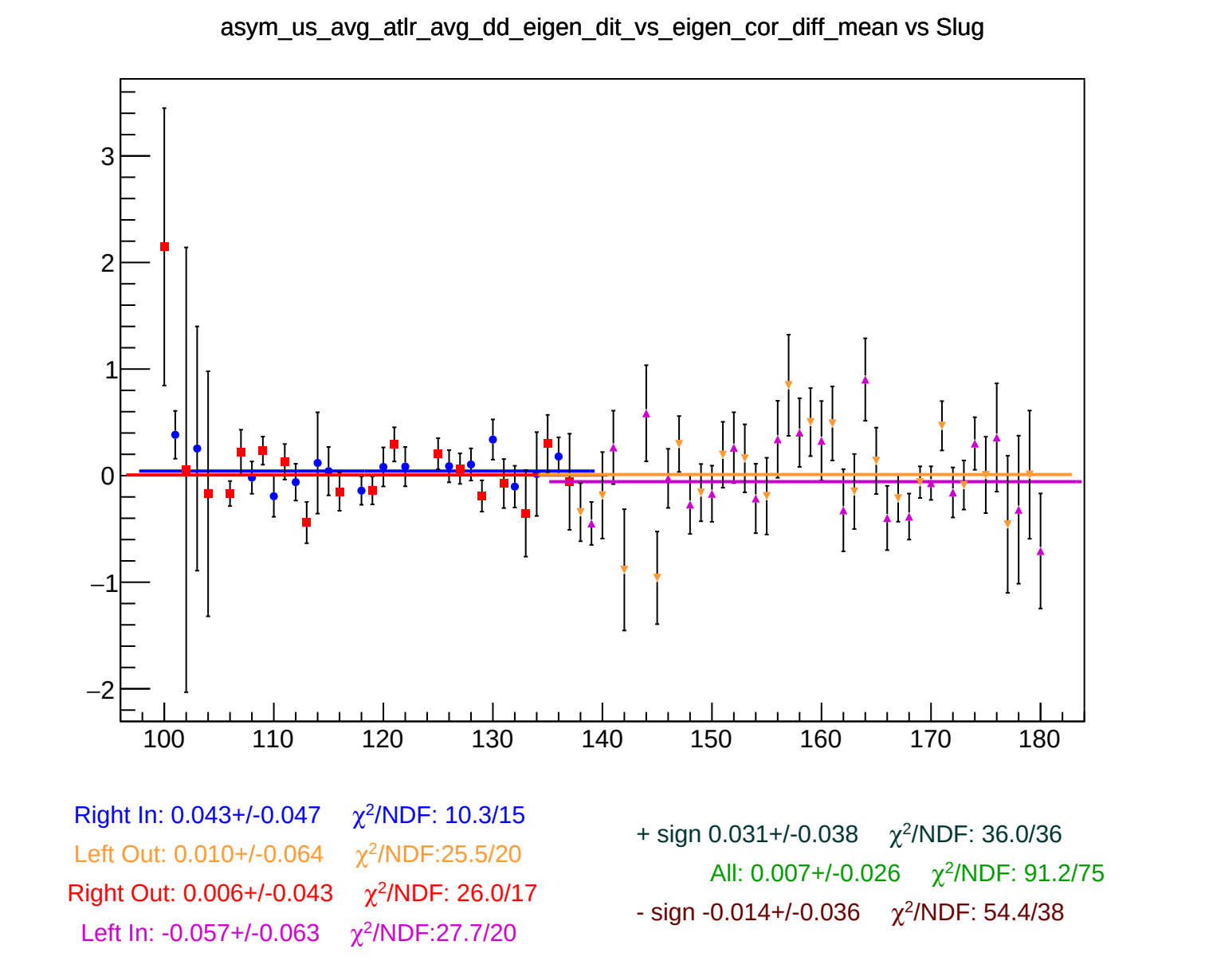
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

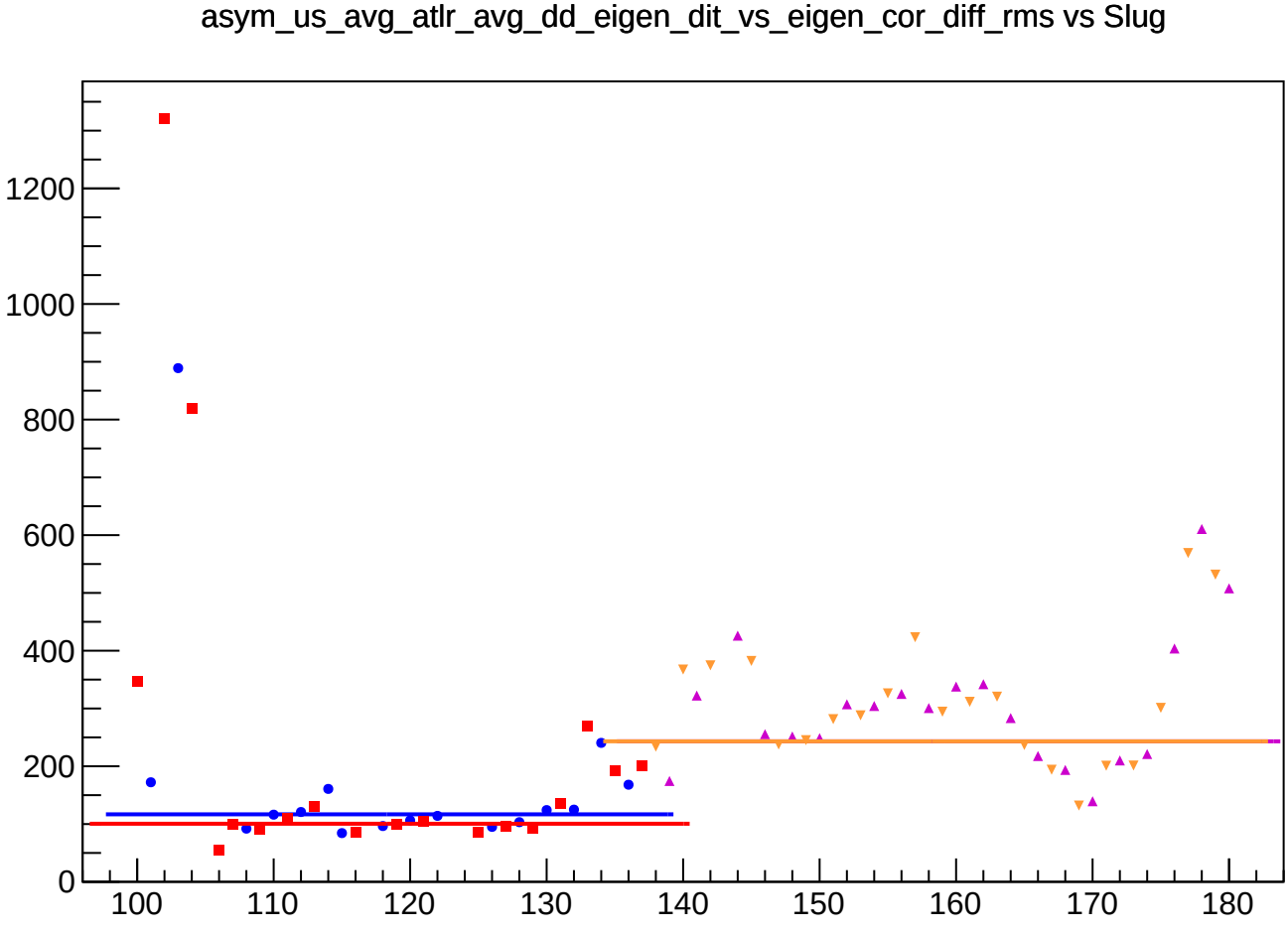
Left In: 243.154+/-0.045 χ^2/NDF:3551480.9/20

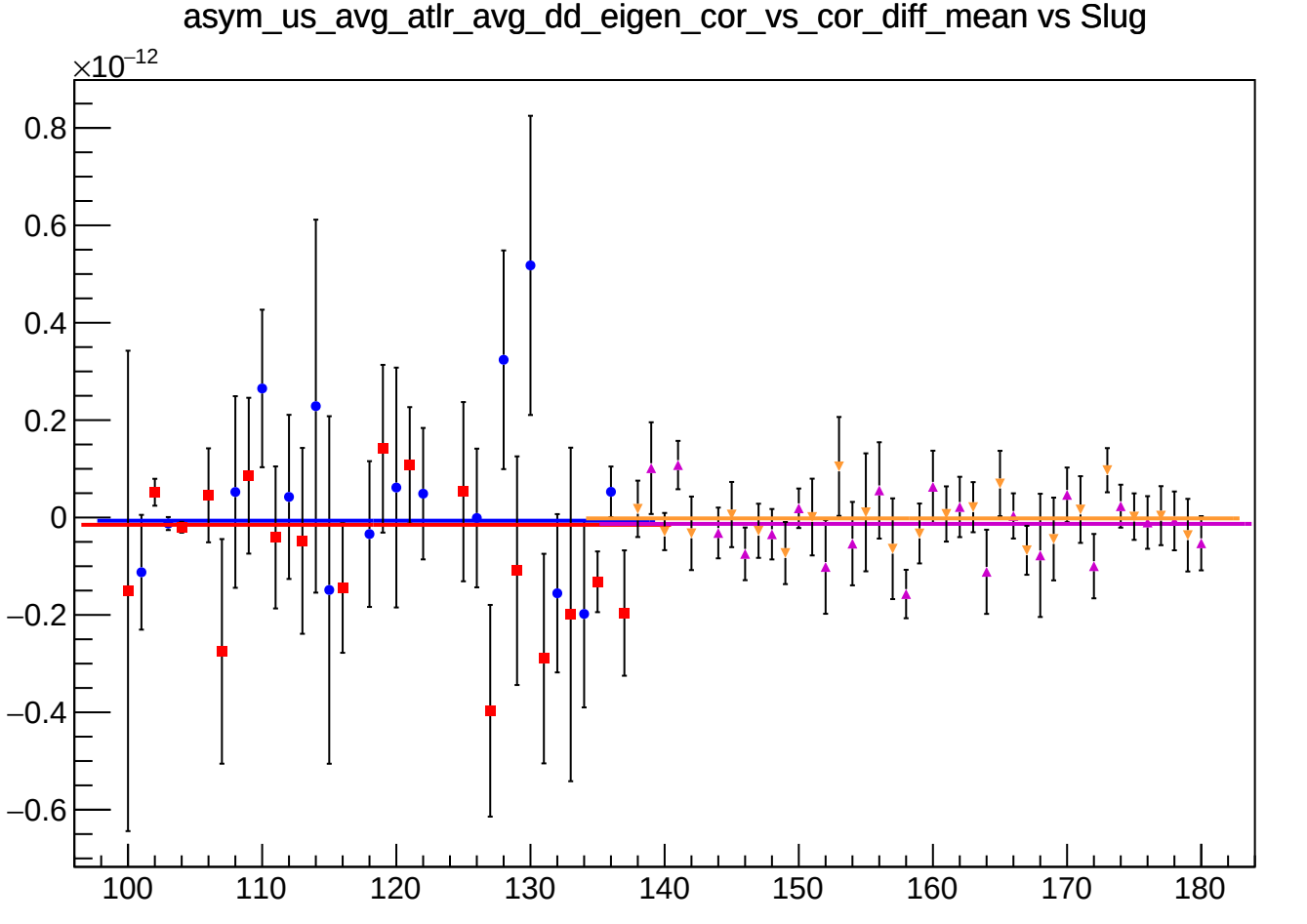
+ sign 161.440+/-0.027 χ^2/NDF: 10201825.0/36

All: 153.419+/-0.018 χ^2/NDF: 23532312.4/75

- 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
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.010+/-0.064 χ²/NDF:25.5/20
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.057+/-0.063 χ²/NDF:27.7/20
+ sign 0.031+/-0.038 χ²/NDF: 36.0/36
All: 0.007+/-0.026 χ²/NDF: 91.2/75
- sign -0.014+/-0.036 χ²/NDF: 54.4/38


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
Right In: 116.841+/-0.034 χ²/NDF: 1620812.6/15
Left Out: 243.194+/-0.045 χ²/NDF:3578530.3/20
Right Out: 100.543+/-0.031 χ²/NDF: 2664231.9/17
Left In: 243.154+/-0.045 χ²/NDF:3551480.9/20
+ sign 161.440+/-0.027 χ²/NDF: 10201825.0/36
All: 153.419+/-0.018 χ²/NDF: 23532312.4/75
- sign 146.393+/-0.025 χ²/NDF: 13164891.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/20

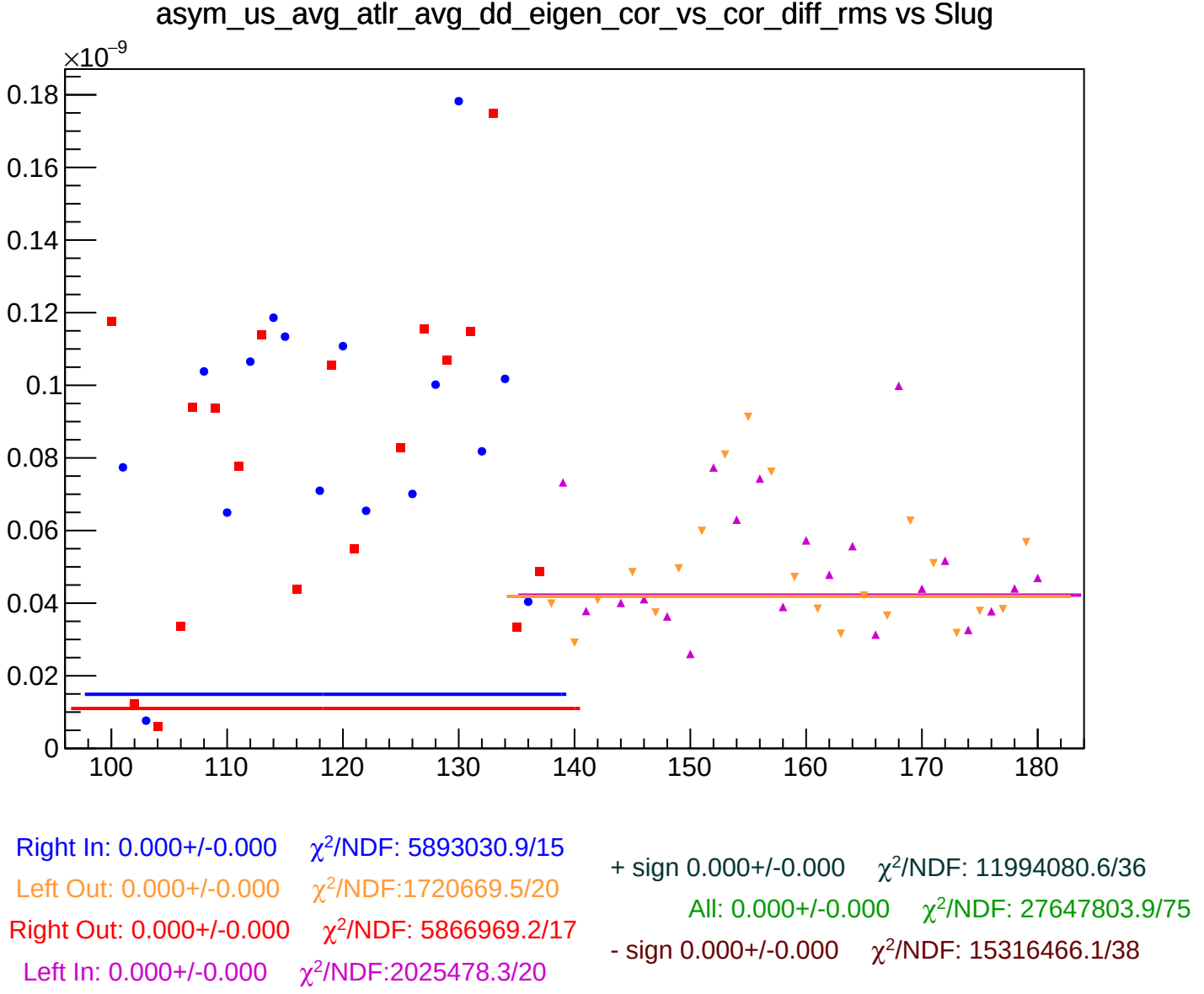
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:26.7/20

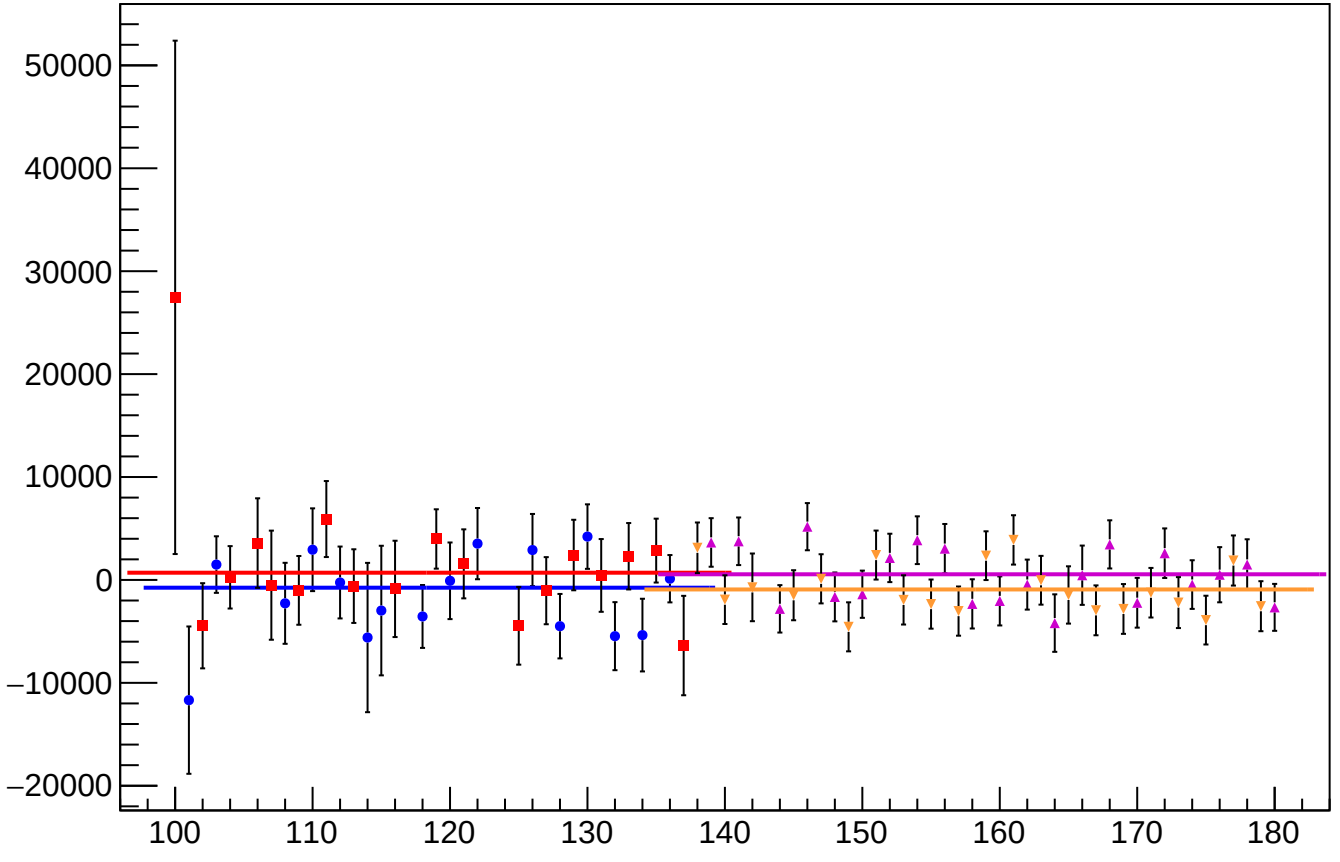
+ sign -0.000+/-0.000 χ^2/NDF: 25.4/36

All: -0.000+/-0.000 χ^2/NDF: 74.7/75

- sign -0.000+/-0.000 χ^2/NDF: 48.6/38


asym_us_avg_atlr_avg_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: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1720669.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:2025478.3/20
+ sign 0.000+/-0.000 χ²/NDF: 11994080.6/36
All: 0.000+/-0.000 χ²/NDF: 27647803.9/75
- sign 0.000+/-0.000 χ²/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: -925.196+/-533.679 χ^2/NDF:19.8/20

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

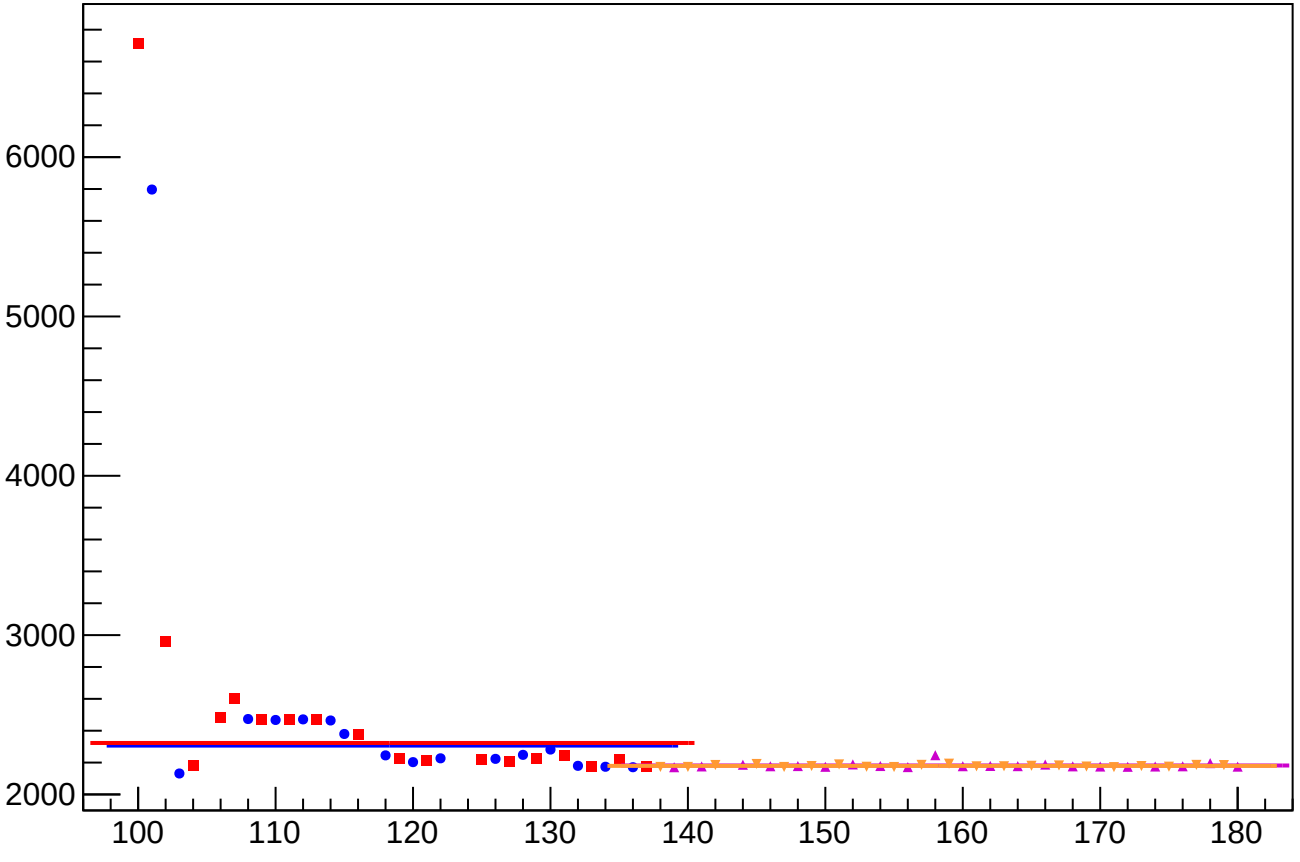
Left In: 549.265+/-525.209 χ^2/NDF:26.5/20

+ sign -878.676+/-455.288 χ^2/NDF: 35.7/36

All: -134.745+/-319.850 χ^2/NDF: 79.9/75

- sign 590.206+/-449.442 χ^2/NDF: 38.9/38

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.283+/-0.377 χ^2/NDF:305.5/20

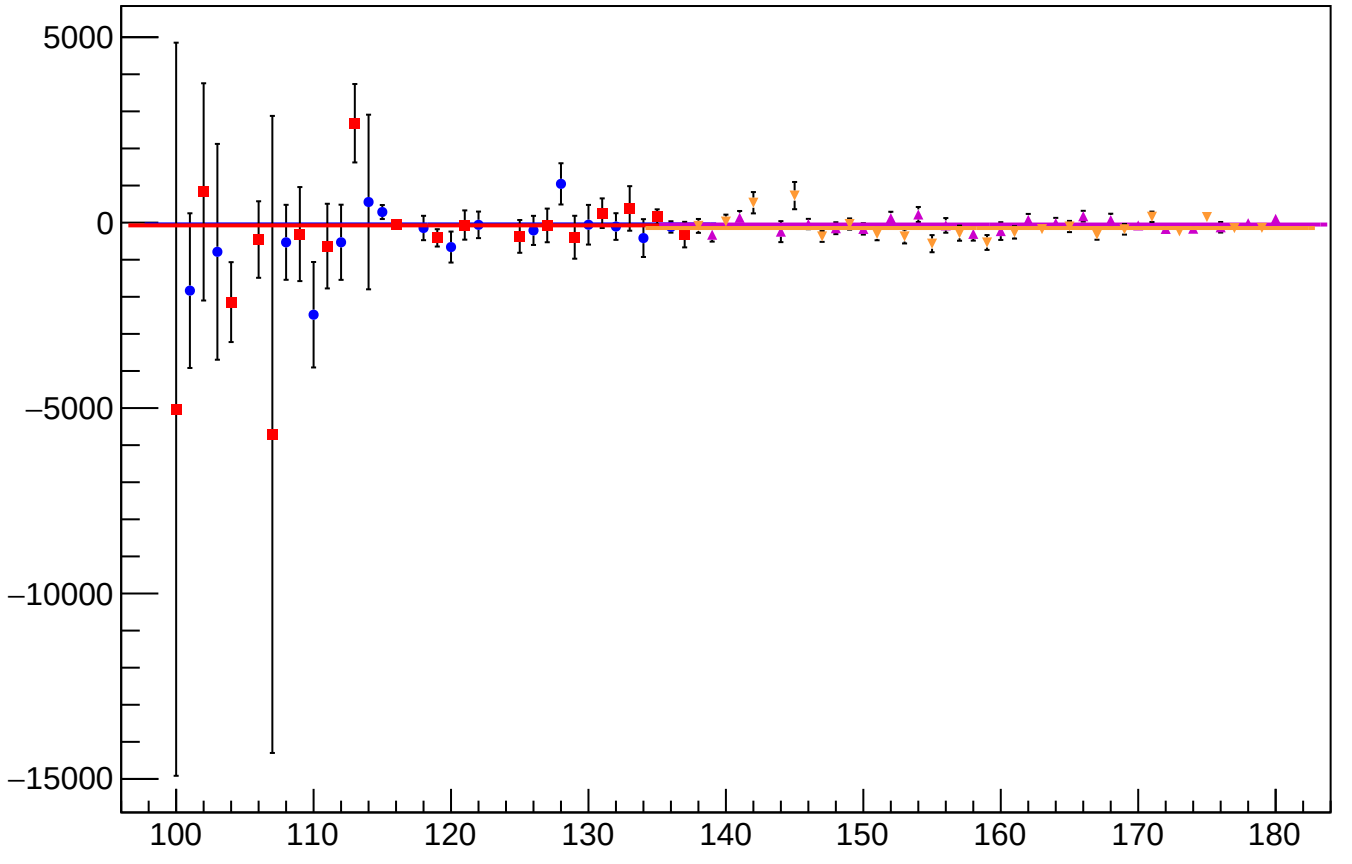
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.662+/-0.371 χ^2/NDF:1799.5/20

+ sign 2213.951+/-0.322 χ^2/NDF: 545460.2/36

All: 2216.762+/-0.226 χ^2/NDF: 737977.8/75

- 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: -145.726+/-33.962 χ^2/NDF:39.4/20

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

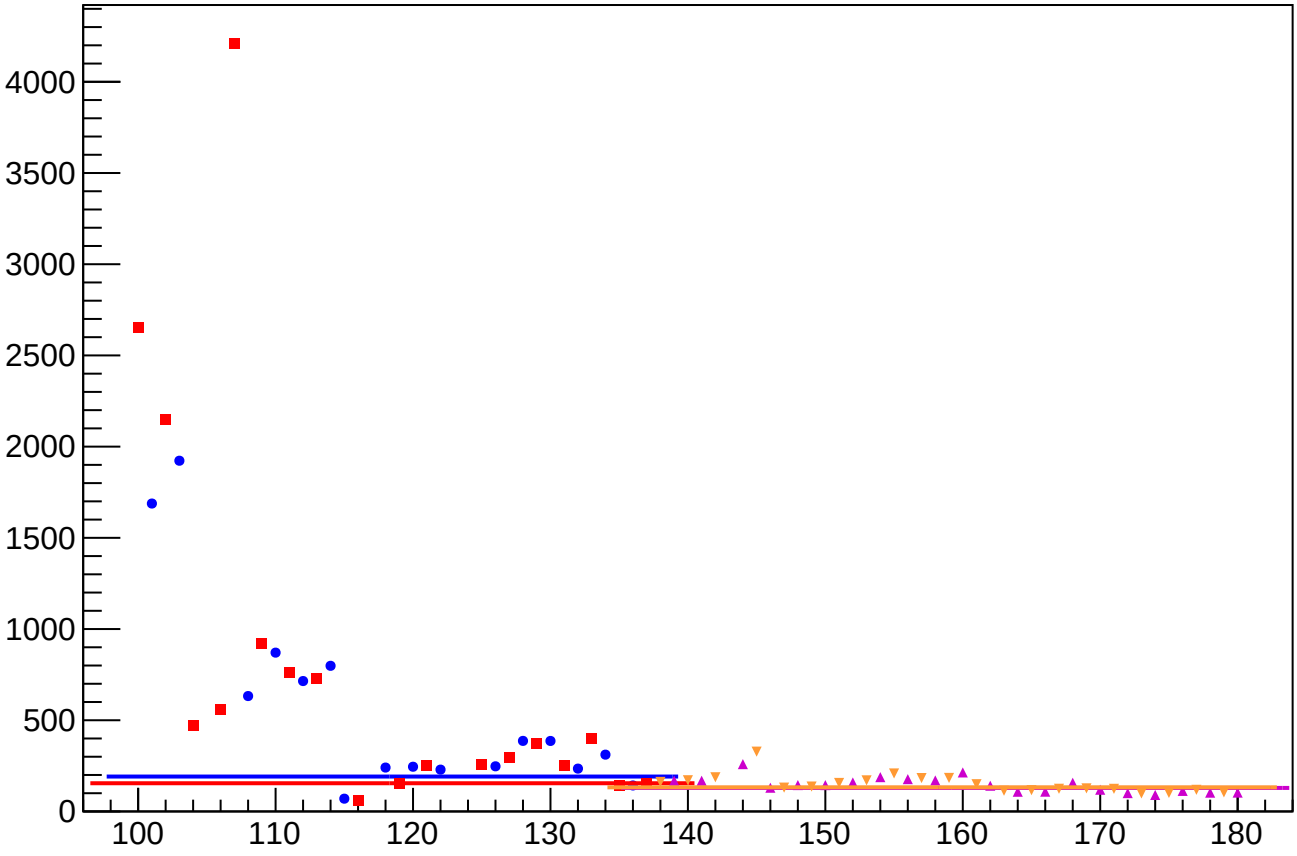
Left In: -51.530+/-32.709 χ^2/NDF:17.9/20

+ sign -133.750+/-31.814 χ^2/NDF: 54.8/36

All: -92.387+/-21.979 χ^2/NDF: 93.7/75

- 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: 132.239+/-0.024 χ^2/NDF:1921098.6/20

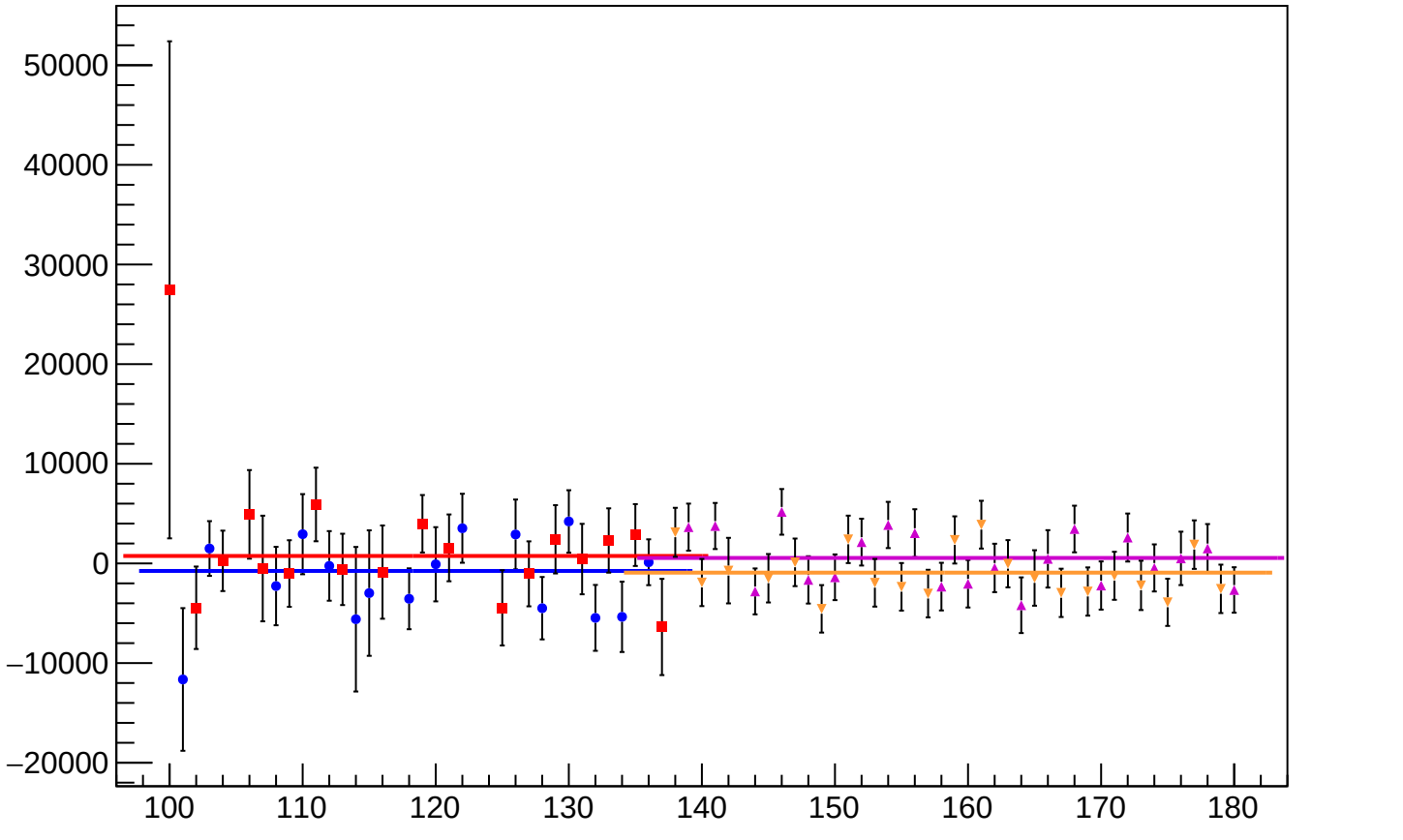
Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 128.979+/-0.023 χ^2/NDF:2152871.7/20

+ sign 139.481+/-0.022 χ^2/NDF: 7728566.7/36

All: 135.821+/-0.016 χ^2/NDF: 16254463.4/75

- sign 132.479+/-0.021 χ^2/NDF: 8475251.0/38



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -925.162+/-533.679 χ^2/NDF:19.8/20

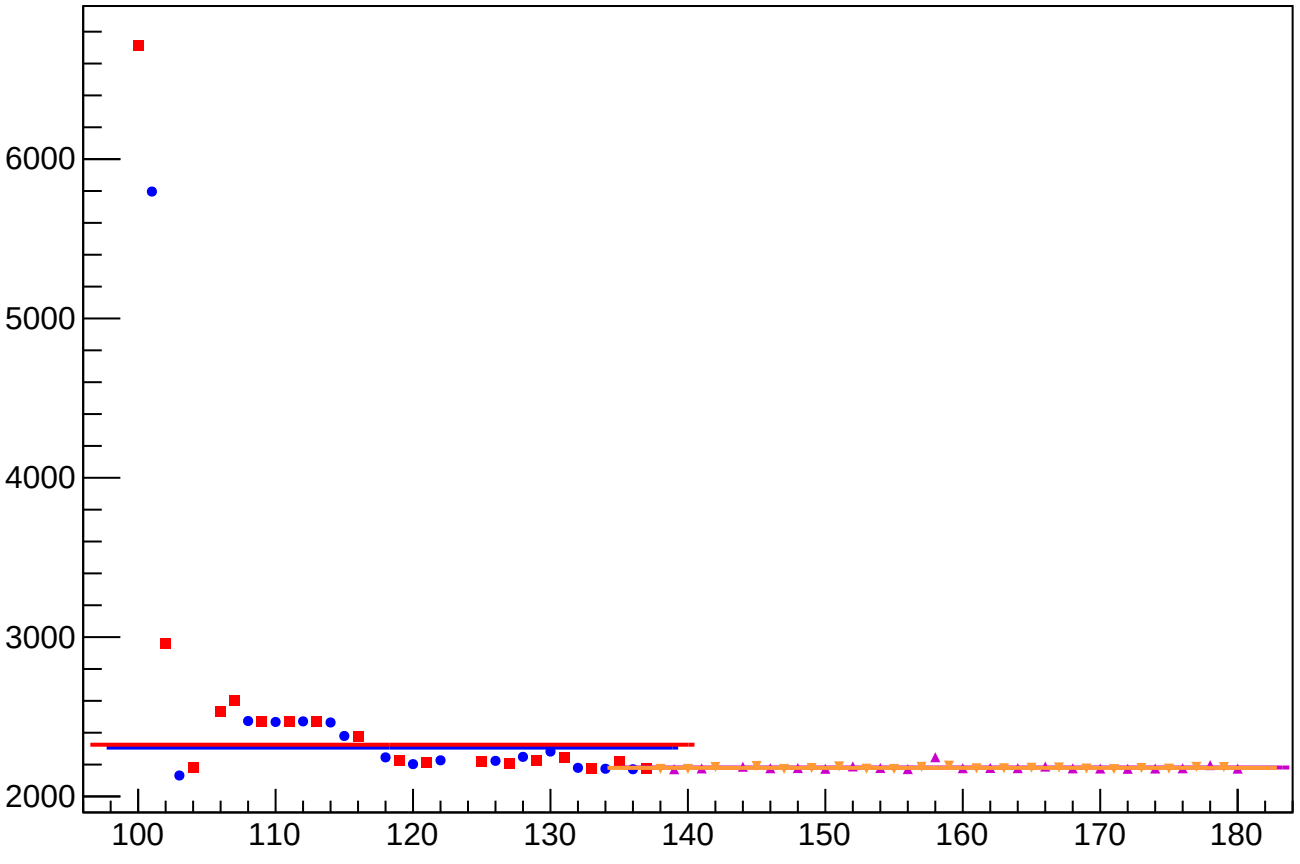
Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 549.256+/-525.209 χ^2/NDF:26.6/20

+ sign -878.387+/-455.288 χ^2/NDF: 35.7/36

All: -128.414+/-319.886 χ^2/NDF: 80.5/75

- sign 602.749+/-449.542 χ^2/NDF: 39.4/38



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.284+/-0.377 χ^2/NDF:305.5/20

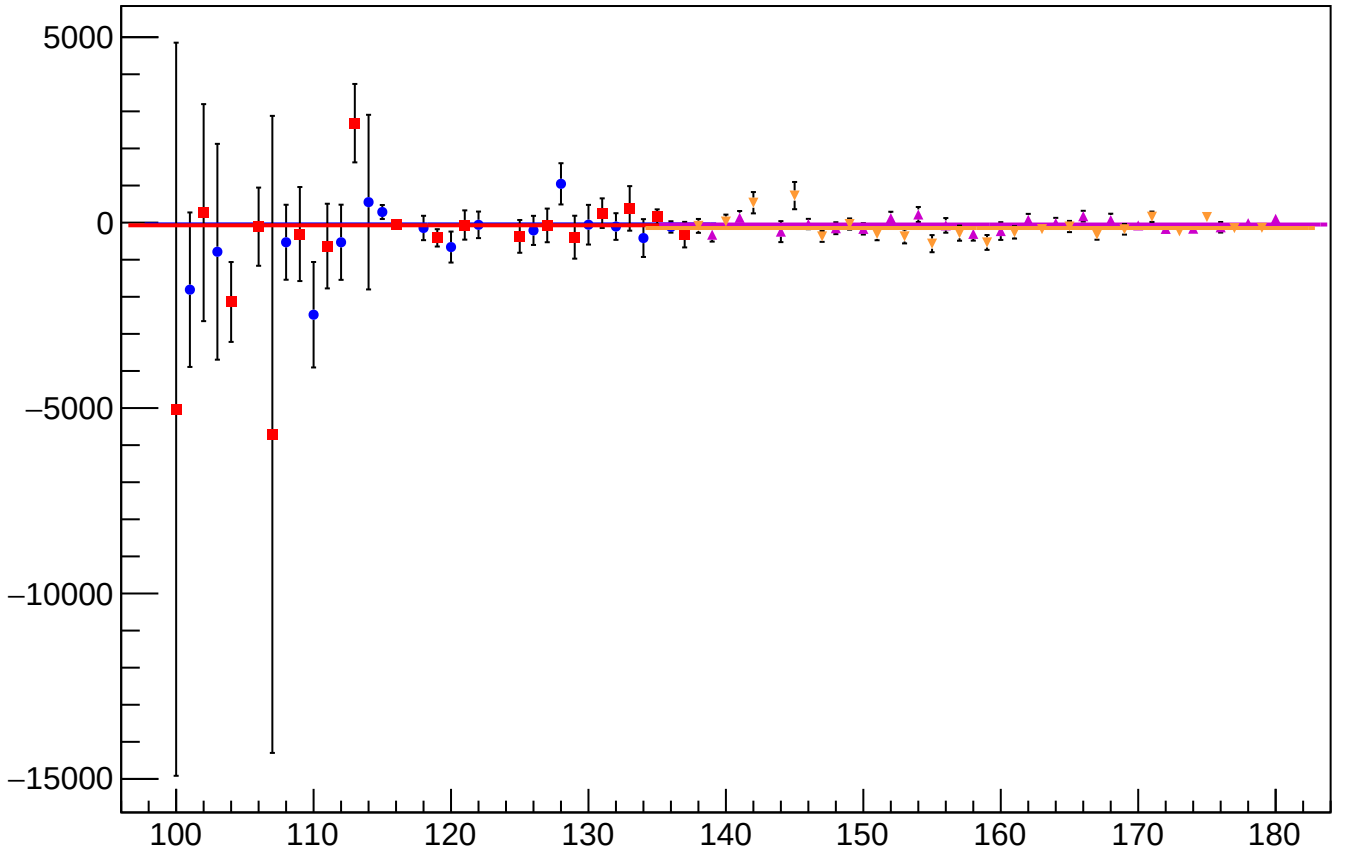
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.662+/-0.371 χ^2/NDF:1799.5/20

+ sign 2213.951+/-0.322 χ^2/NDF: 545460.5/36

All: 2216.965+/-0.226 χ^2/NDF: 740668.2/75

- 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: -145.625+/-33.963 χ^2/NDF:39.4/20

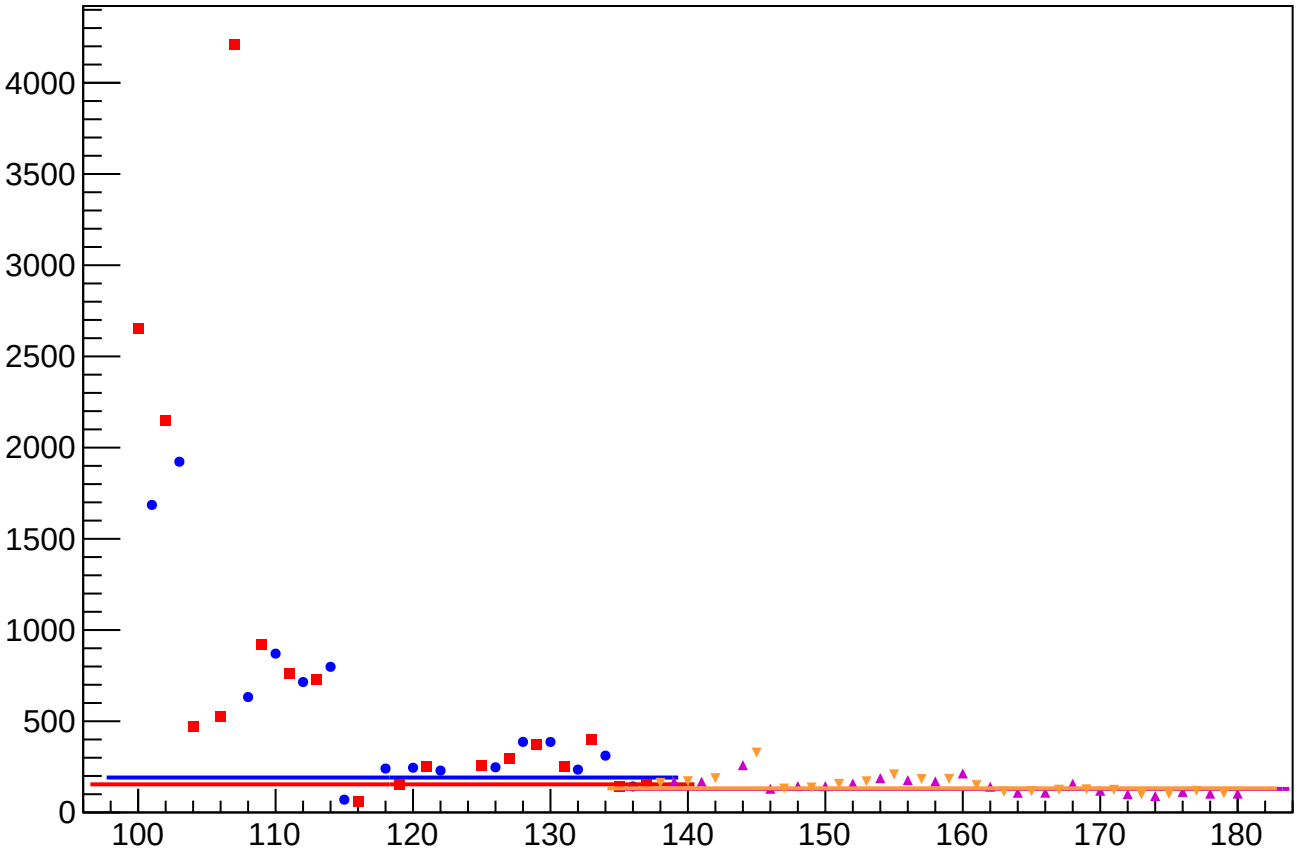
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -51.430+/-32.712 χ^2/NDF:18.0/20

+ sign -133.666+/-31.815 χ^2/NDF: 54.7/36

All: -92.159+/-21.979 χ^2/NDF: 93.4/75

- 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: 132.242+/-0.024 χ^2/NDF:1920759.7/20

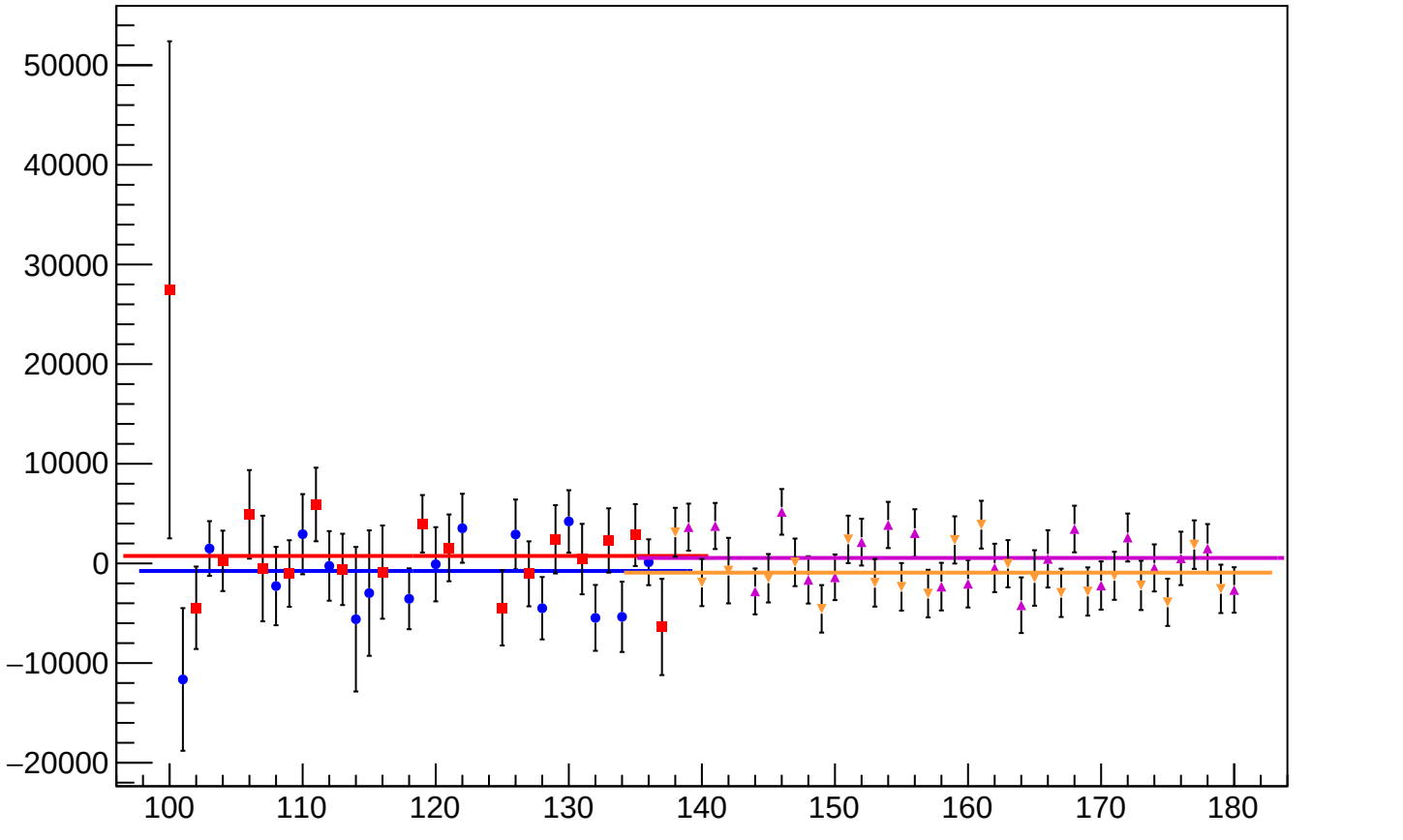
Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 128.994+/-0.023 χ^2/NDF:2152670.4/20

+ sign 139.486+/-0.022 χ^2/NDF: 7727526.6/36

All: 135.793+/-0.016 χ^2/NDF: 16201347.7/75

- 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: -925.162+/-533.679 χ^2/NDF:19.8/20

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

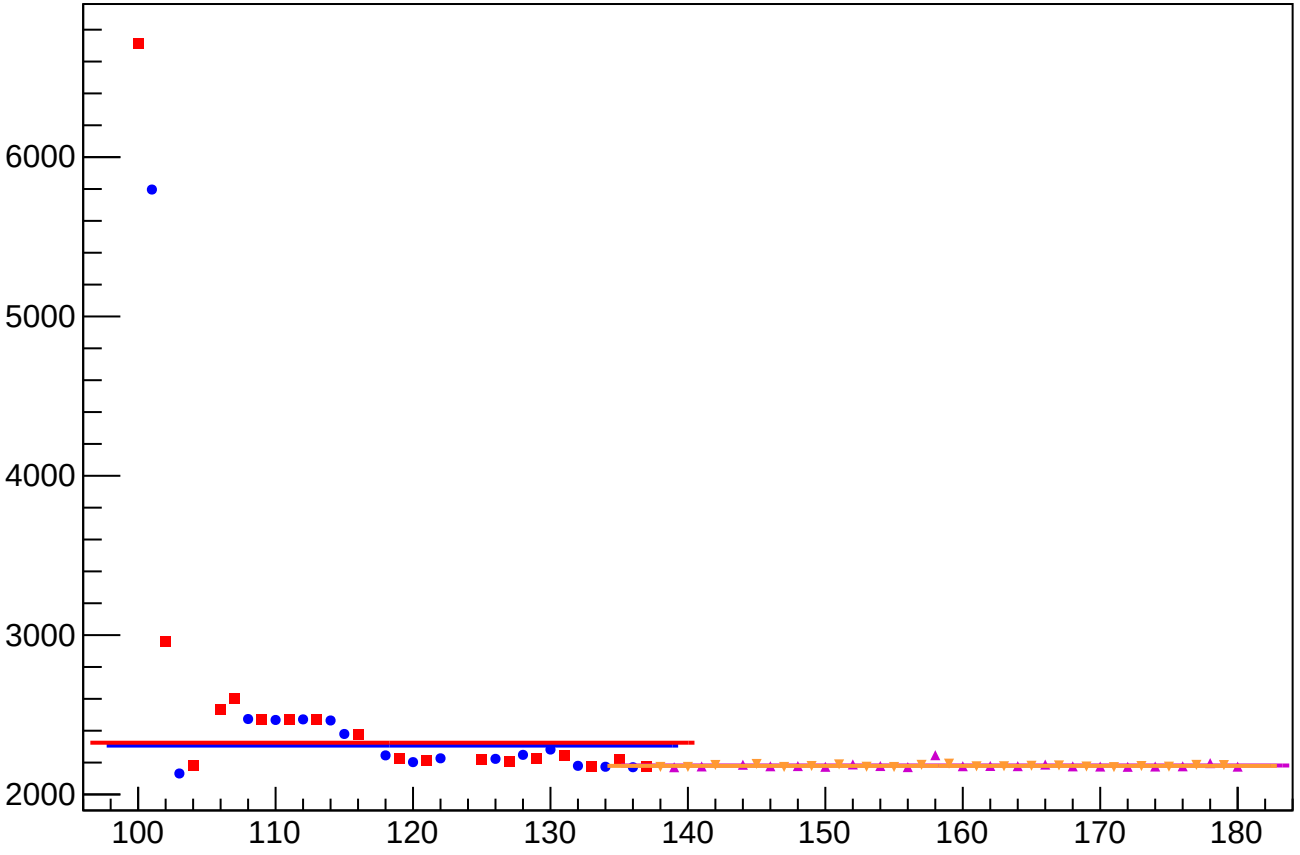
Left In: 549.256+/-525.209 χ^2/NDF:26.6/20

+ sign -878.387+/-455.288 χ^2/NDF: 35.7/36

All: -128.414+/-319.886 χ^2/NDF: 80.5/75

- 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: 2179.284+/-0.377 χ^2/NDF:305.5/20

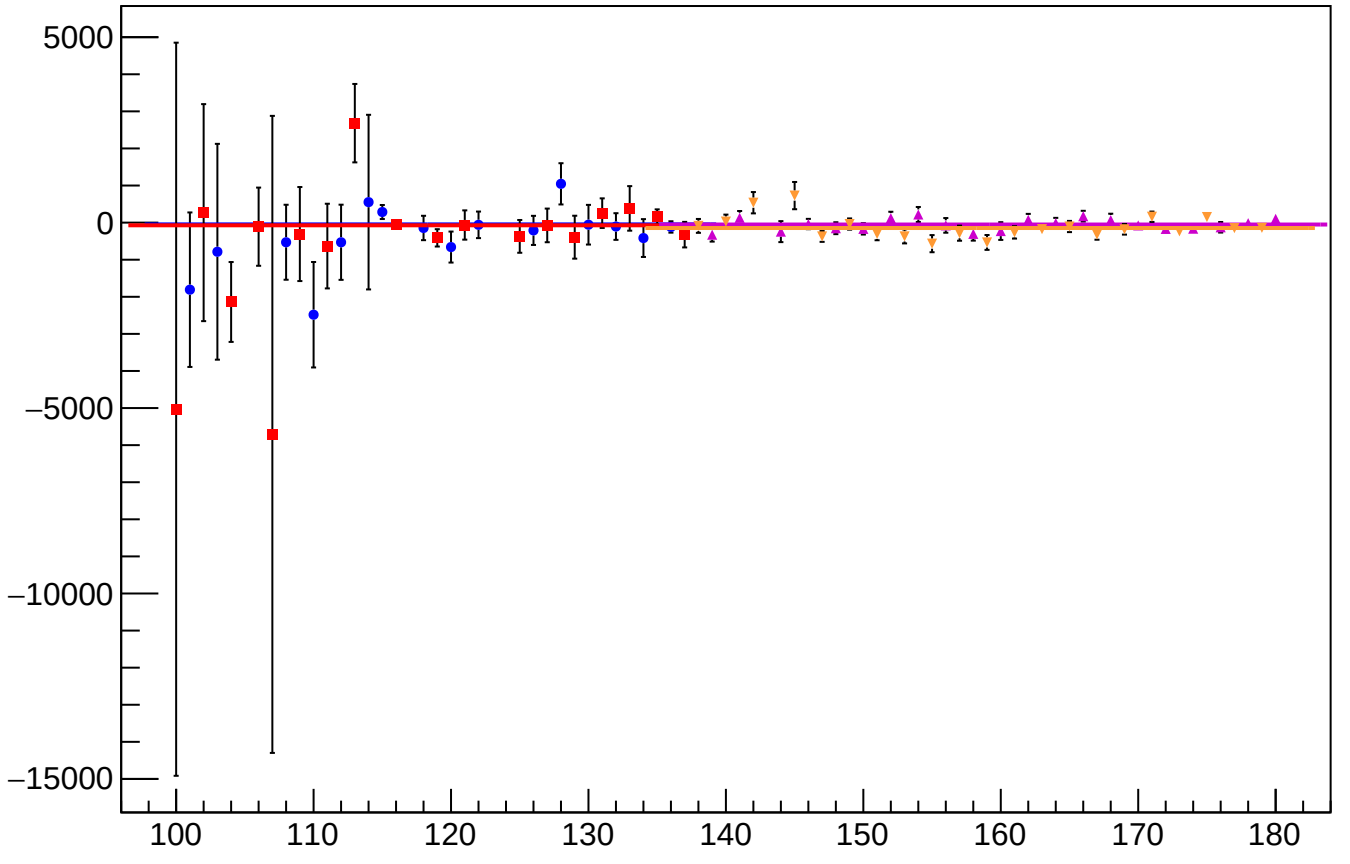
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.662+/-0.371 χ^2/NDF:1799.5/20

+ sign 2213.951+/-0.322 χ^2/NDF: 545460.5/36

All: 2216.965+/-0.226 χ^2/NDF: 740668.2/75

- 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: -145.625+/-33.963 χ^2/NDF:39.4/20

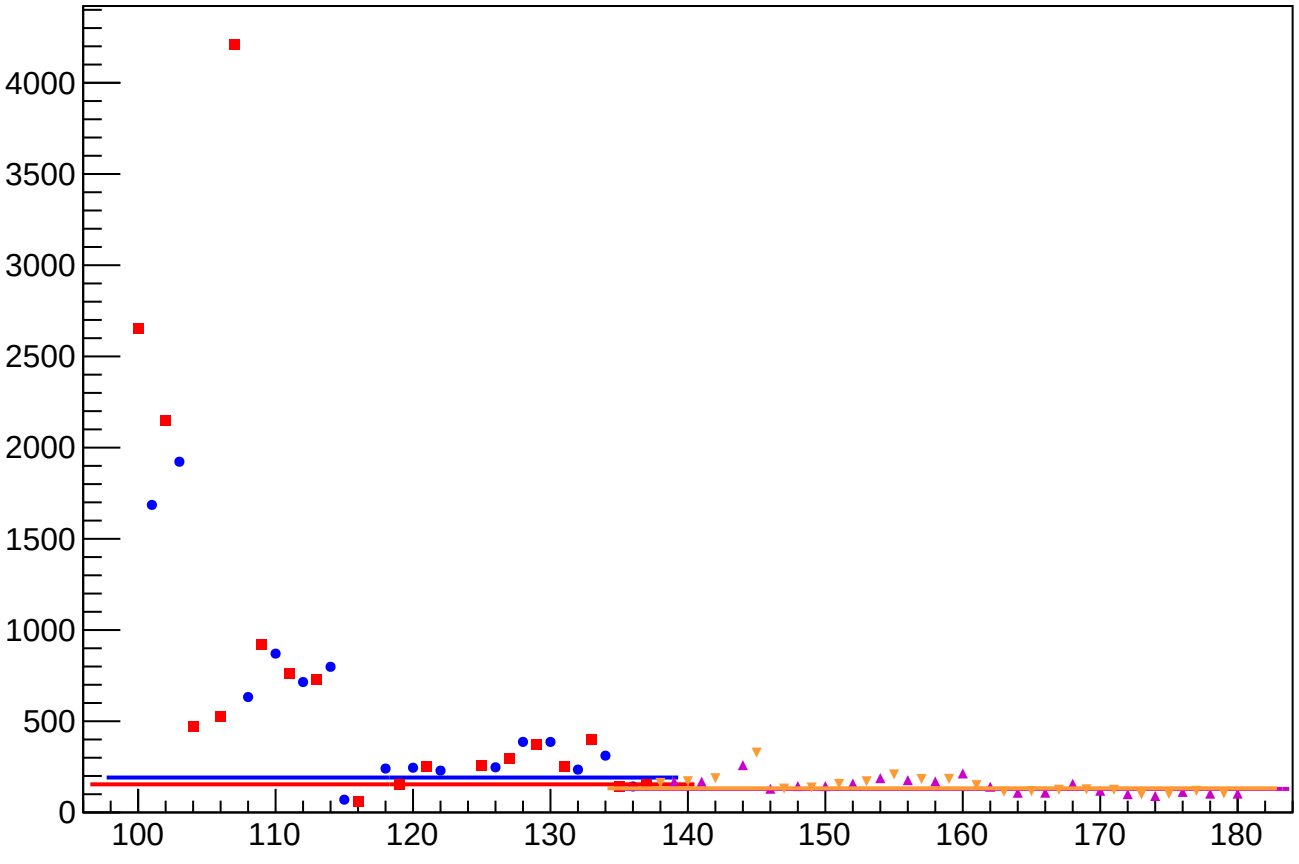
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -51.430+/-32.712 χ^2/NDF:18.0/20

+ sign -133.666+/-31.815 χ^2/NDF: 54.7/36

All: -92.159+/-21.979 χ^2/NDF: 93.4/75

- 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: 132.242+/-0.024 χ^2/NDF:1920759.7/20

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

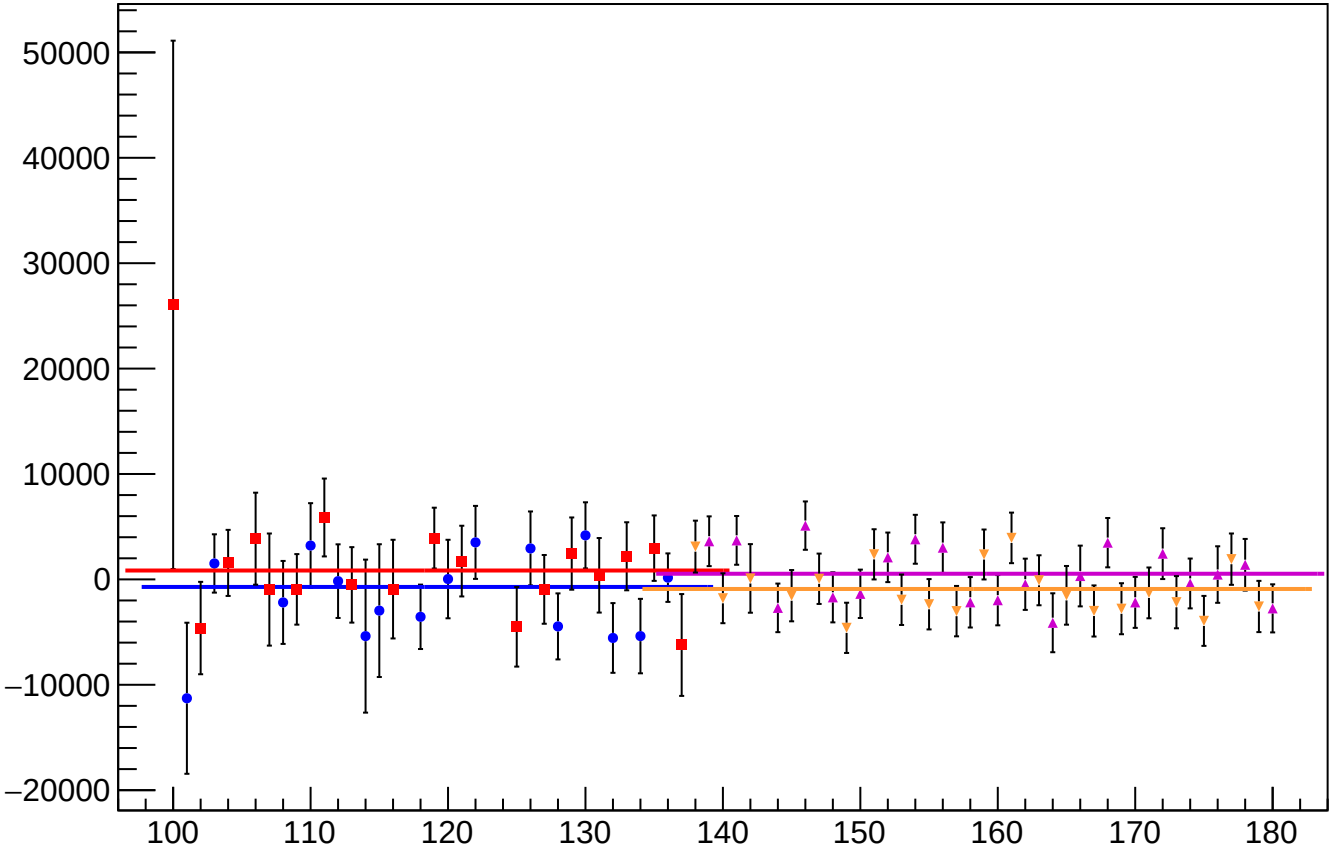
Left In: 128.994+/-0.023 χ^2/NDF:2152670.4/20

+ sign 139.486+/-0.022 χ^2/NDF: 7727526.6/36

All: 135.793+/-0.016 χ^2/NDF: 16201347.7/75

- 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: -909.460+/-533.721 χ^2/NDF:20.0/20

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

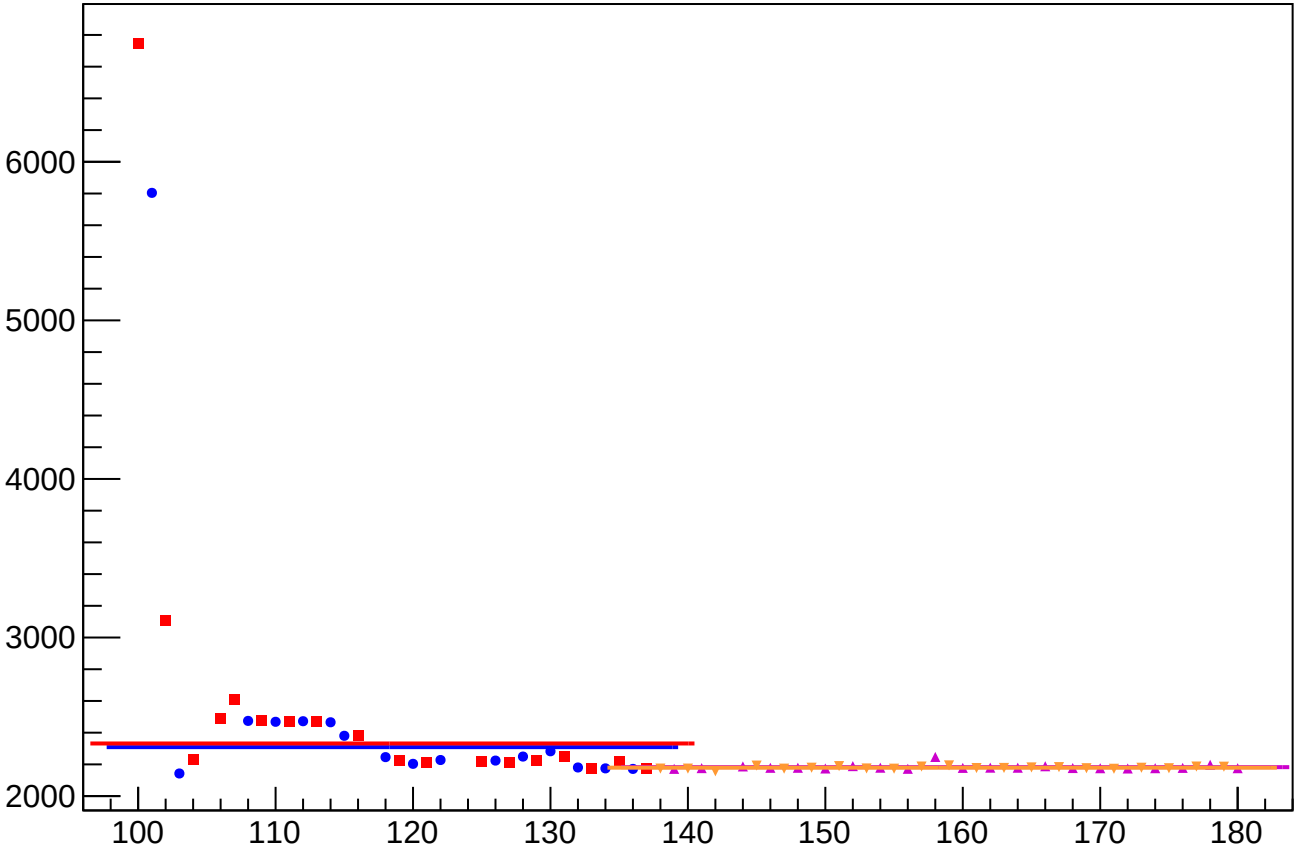
Left In: 534.780+/-525.412 χ^2/NDF:25.7/20

+ sign -857.181+/-455.440 χ^2/NDF: 35.9/36

All: -111.931+/-320.194 χ^2/NDF: 79.2/75

- 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: 2179.300+/-0.377 χ^2/NDF:404.2/20

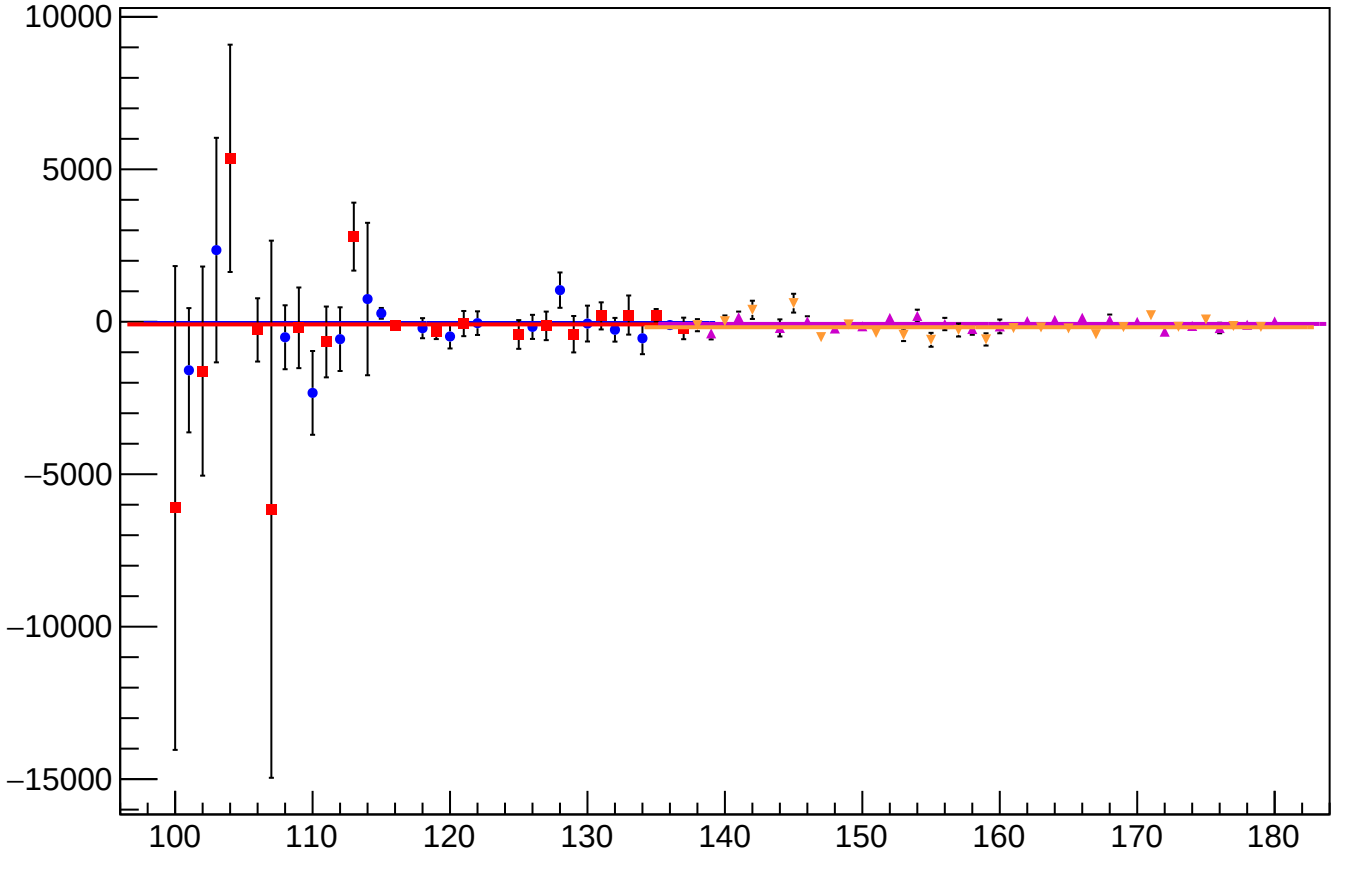
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.506+/-0.372 χ^2/NDF:1791.1/20

+ sign 2214.485+/-0.322 χ^2/NDF: 546123.1/36

All: 2218.376+/-0.226 χ^2/NDF: 758448.3/75

- 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: -179.060+/-35.432 χ^2/NDF:39.6/20

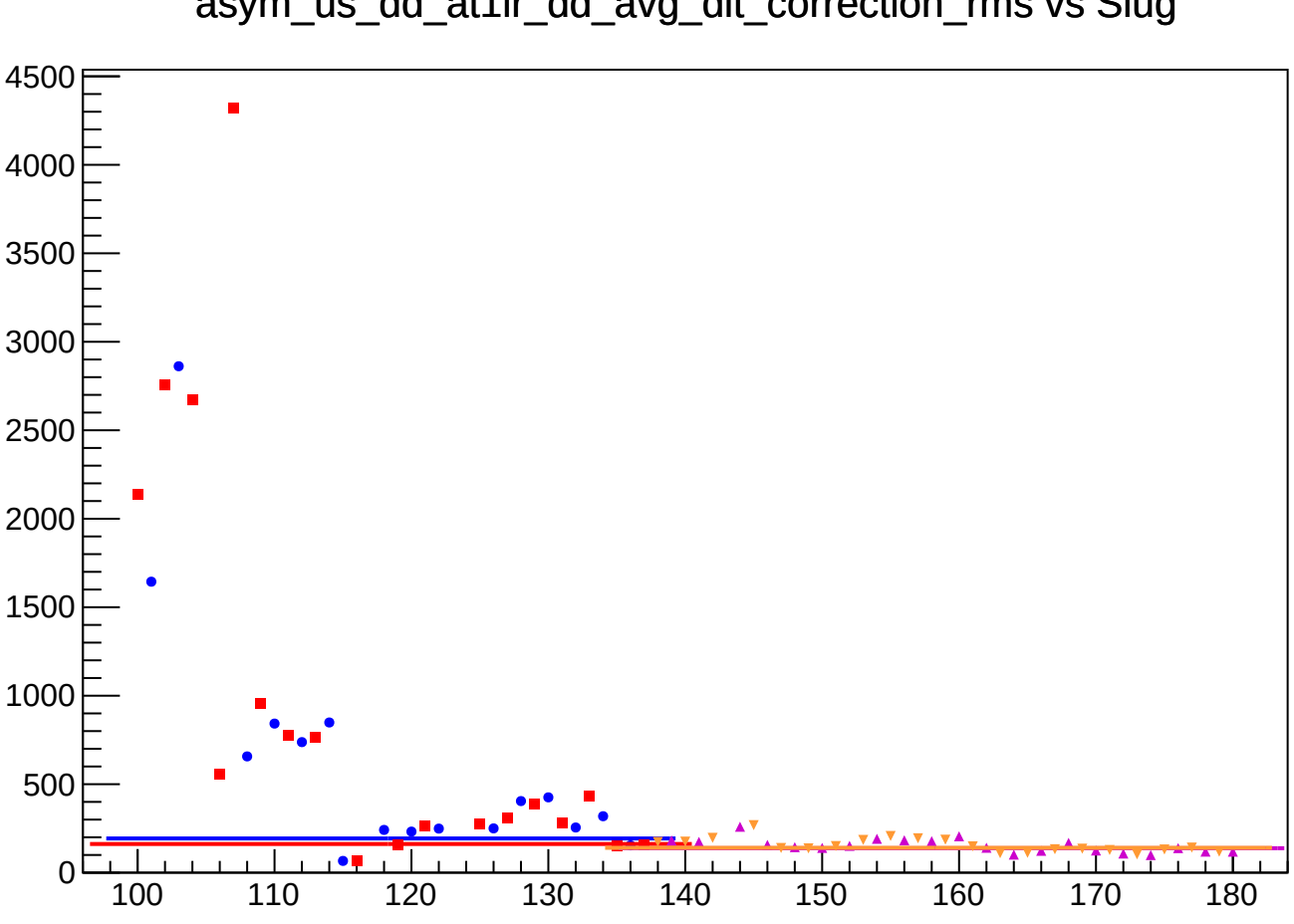
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -70.634+/-34.356 χ^2/NDF:18.9/20

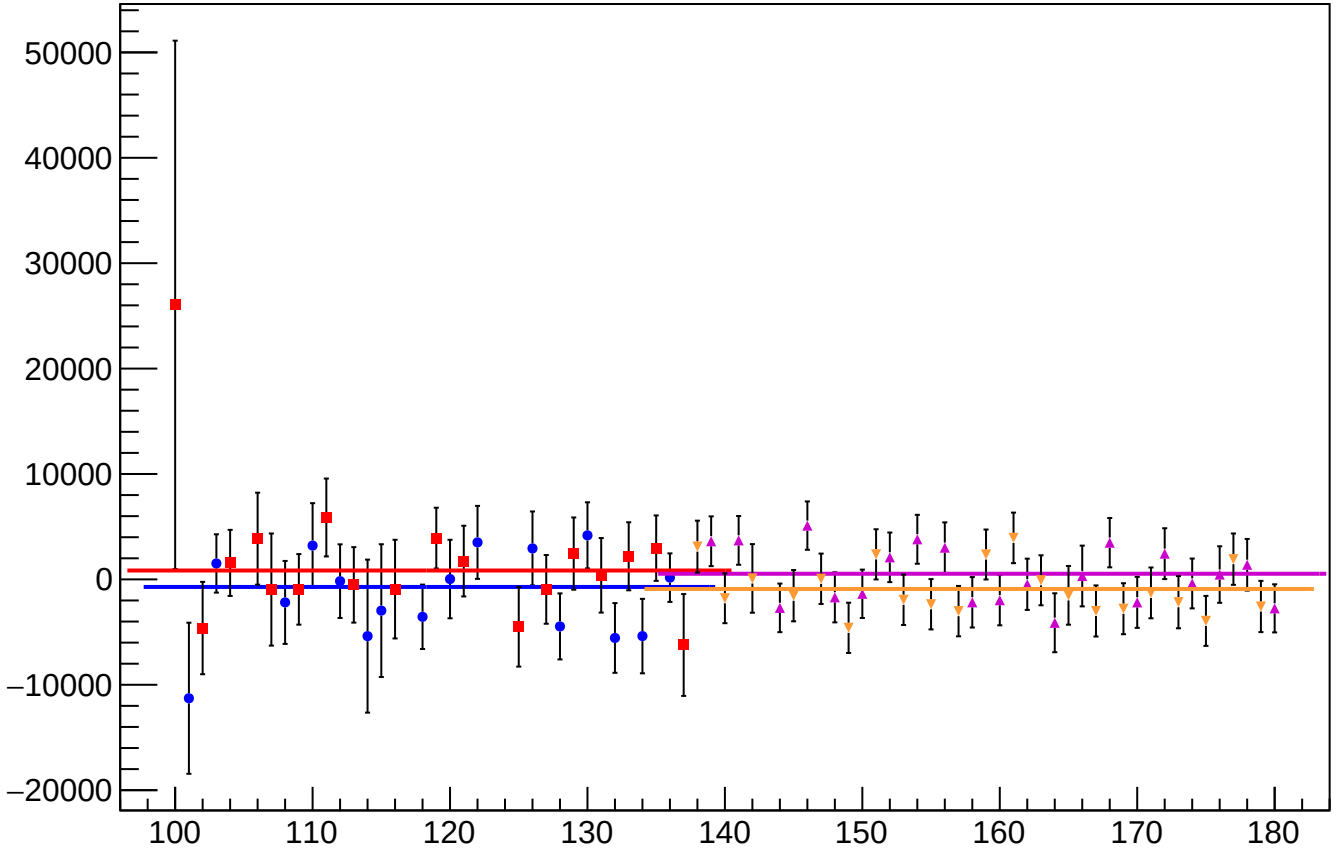
+ sign -161.252+/-33.084 χ^2/NDF: 55.7/36

All: -115.425+/-22.967 χ^2/NDF: 93.3/75

- sign -72.797+/-31.909 χ^2/NDF: 33.9/38


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
Right In: 193.255+/-0.065 χ²/NDF: 5617847.0/15
Left Out: 140.432+/-0.025 χ²/NDF:1534697.6/20
Right Out: 162.114+/-0.061 χ²/NDF: 7070489.1/17
Left In: 138.345+/-0.024 χ²/NDF:1800115.6/20
+ sign 147.203+/-0.023 χ²/NDF: 7722283.9/36
All: 144.305+/-0.016 χ²/NDF: 16754017.2/75
- sign 141.610+/-0.023 χ²/NDF: 9002125.1/38

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -909.461+/-533.721 χ^2/NDF:20.0/20

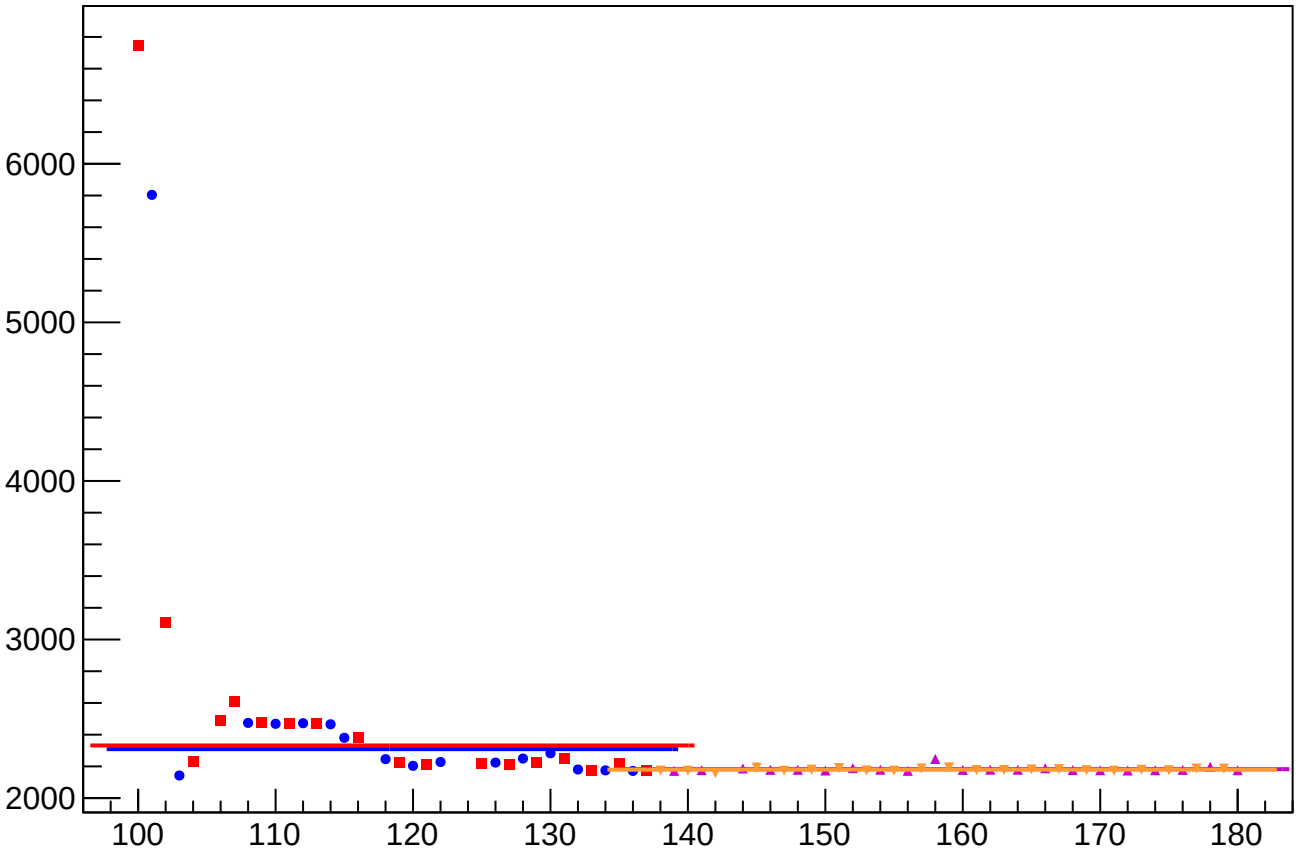
Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: 534.779+/-525.412 χ^2/NDF:25.7/20

+ sign -857.182+/-455.439 χ^2/NDF: 35.9/36

All: -111.932+/-320.194 χ^2/NDF: 79.2/75

- sign 616.432+/-450.250 χ^2/NDF: 38.0/38



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.300+/-0.377 χ^2/NDF:404.2/20

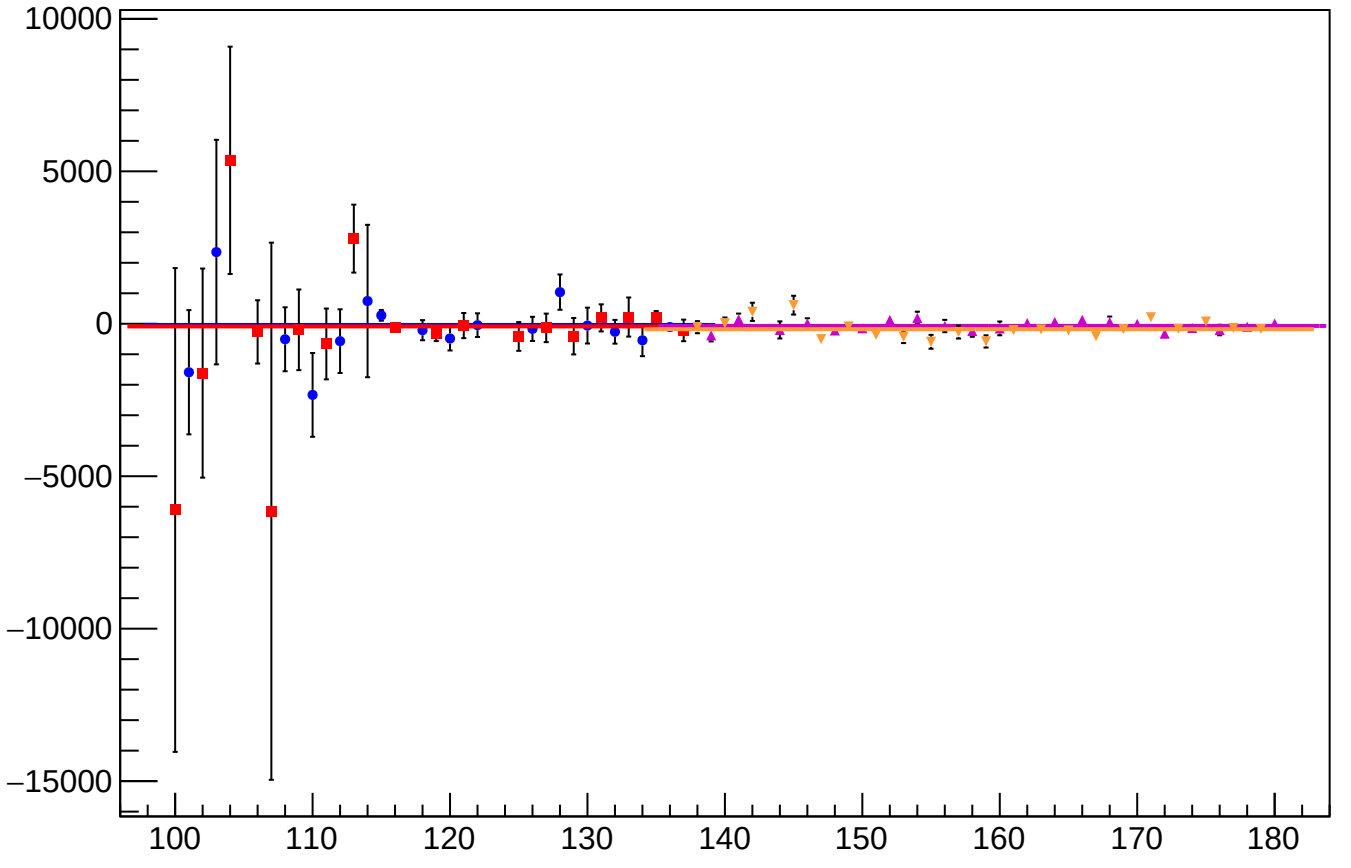
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.506+/-0.372 χ^2/NDF:1791.1/20

+ sign 2214.485+/-0.322 χ^2/NDF: 546123.1/36

All: 2218.376+/-0.226 χ^2/NDF: 758448.2/75

- 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: -179.061+/-35.433 χ^2/NDF:39.6/20

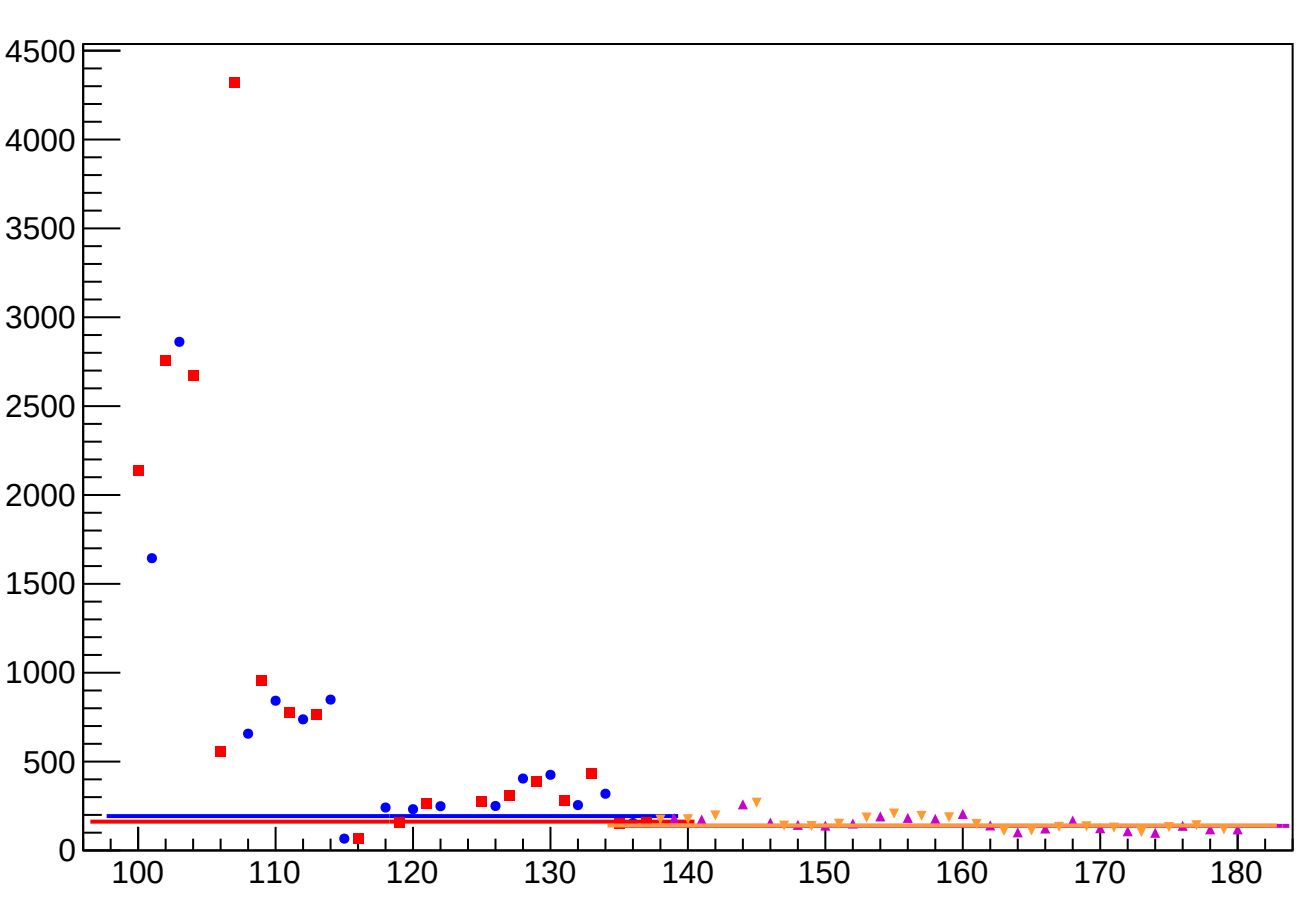
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -70.633+/-34.356 χ^2/NDF:18.9/20

+ sign -161.251+/-33.084 χ^2/NDF: 55.7/36

All: -115.425+/-22.967 χ^2/NDF: 93.3/75

- 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: 140.432+/-0.025 χ^2/NDF:1534711.7/20

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

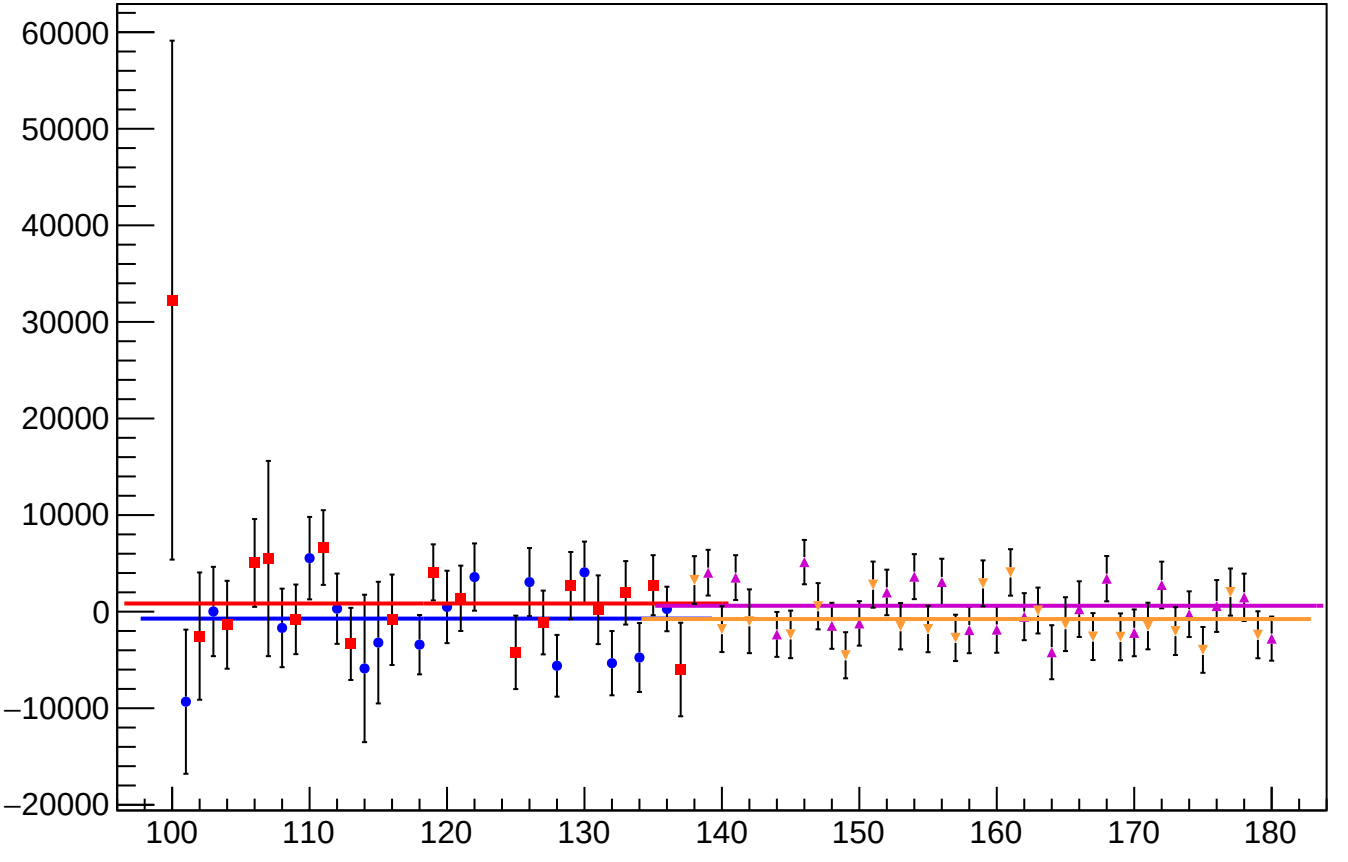
Left In: 138.345+/-0.024 χ^2/NDF:1800151.8/20

+ sign 147.203+/-0.023 χ^2/NDF: 7722293.2/36

All: 144.305+/-0.016 χ^2/NDF: 16754097.4/75

- 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: -764.399+/-535.321 χ^2/NDF:20.9/20

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

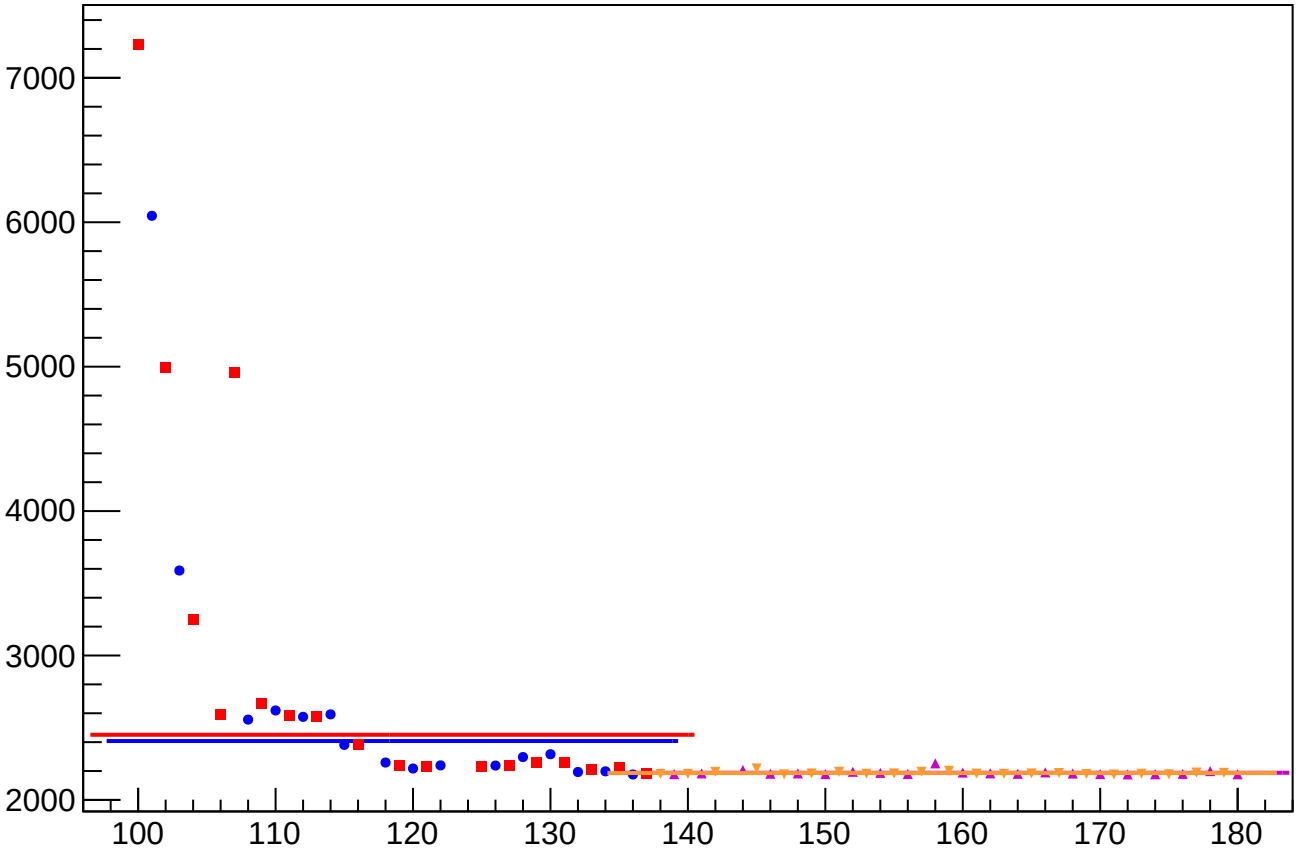
Left In: 610.316+/-526.756 χ^2/NDF:25.0/20

+ sign -752.989+/-462.211 χ^2/NDF: 36.7/36

All: -36.586+/-325.400 χ^2/NDF: 79.5/75

- 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: 2185.977+/-0.379 χ^2/NDF:660.6/20

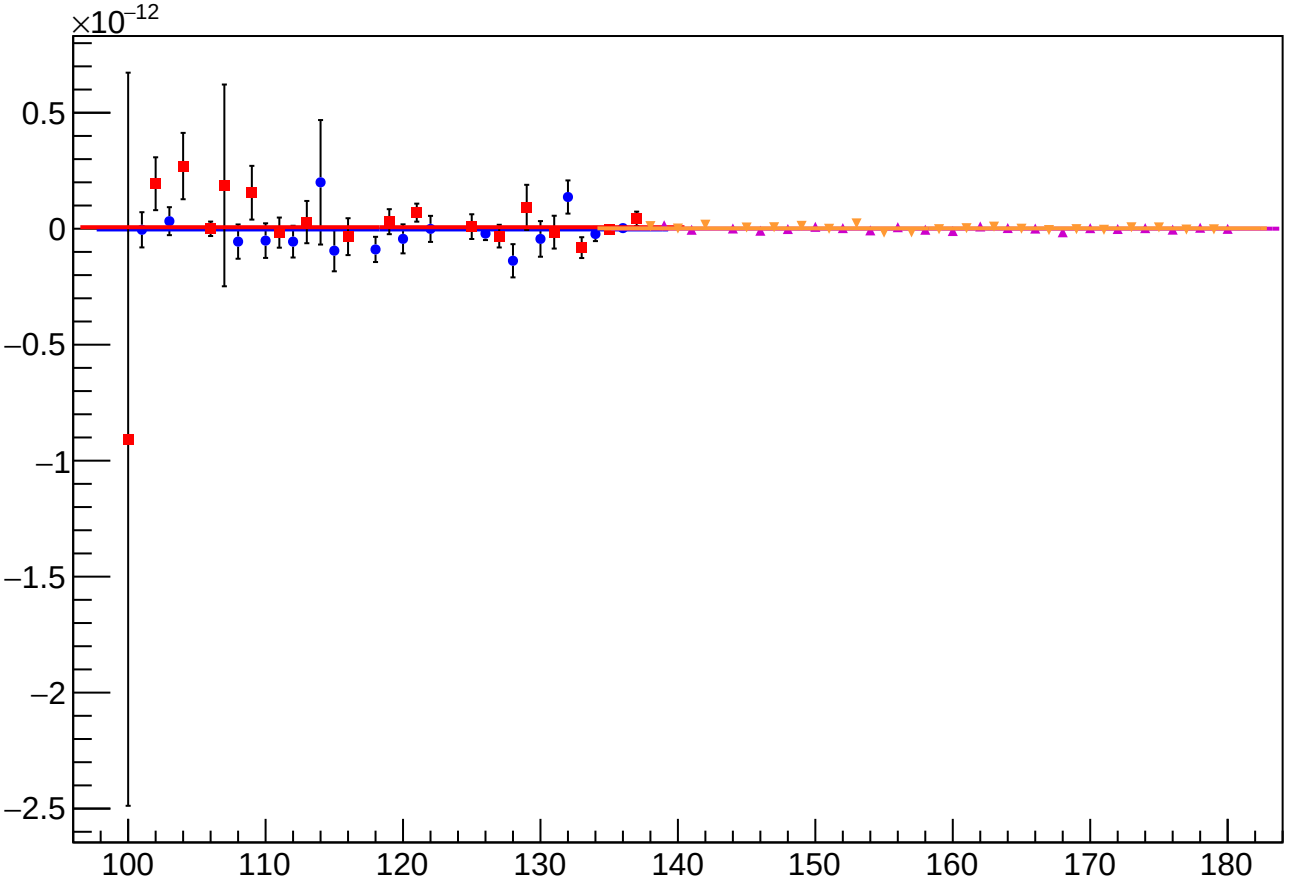
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.083+/-0.372 χ^2/NDF:2000.1/20

+ sign 2242.428+/-0.327 χ^2/NDF: 764942.9/36

All: 2247.319+/-0.230 χ^2/NDF: 1522439.0/75

- 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:18.2/20

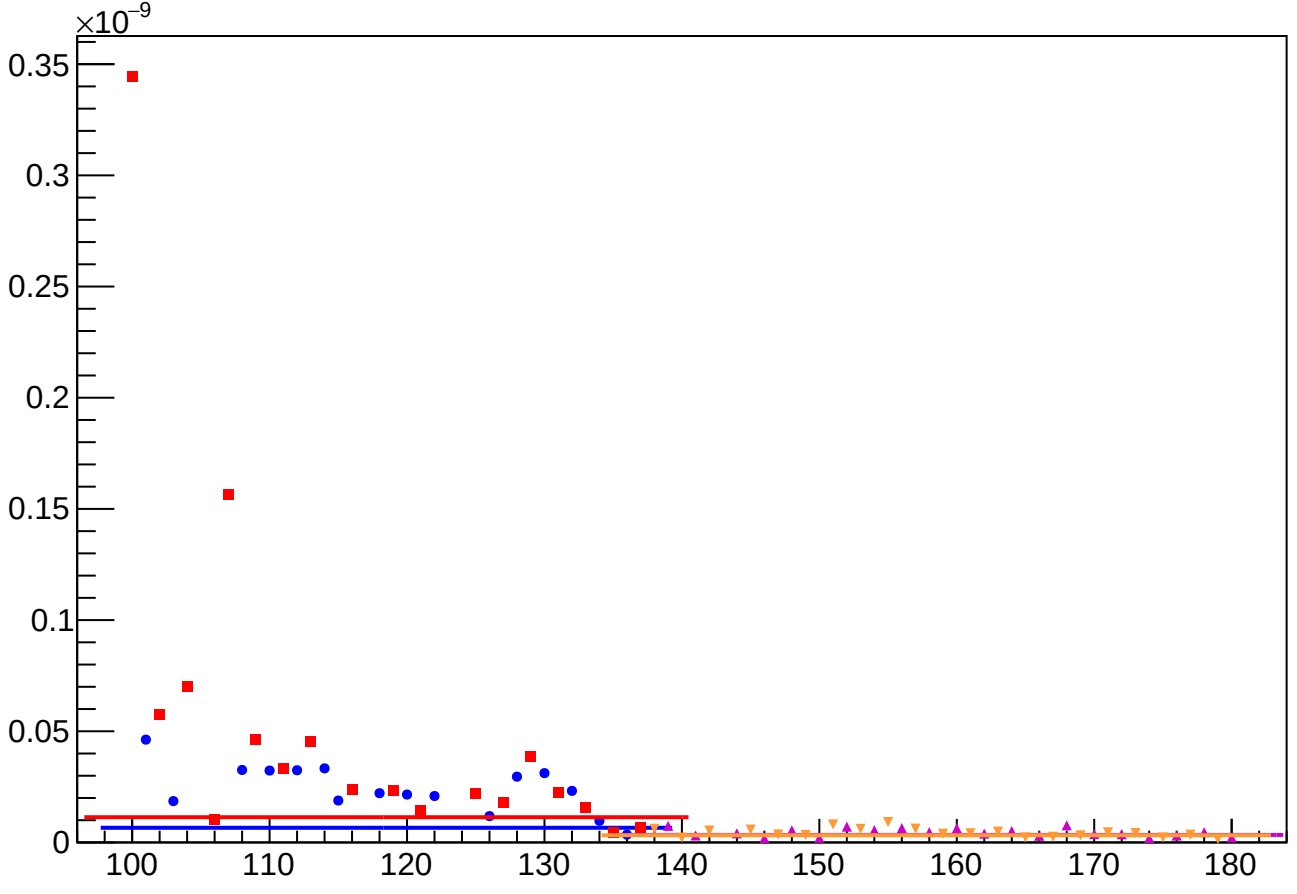
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 34.3/36

All: 0.000+/-0.000 χ^2/NDF: 66.8/75

- 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:1961079.5/20

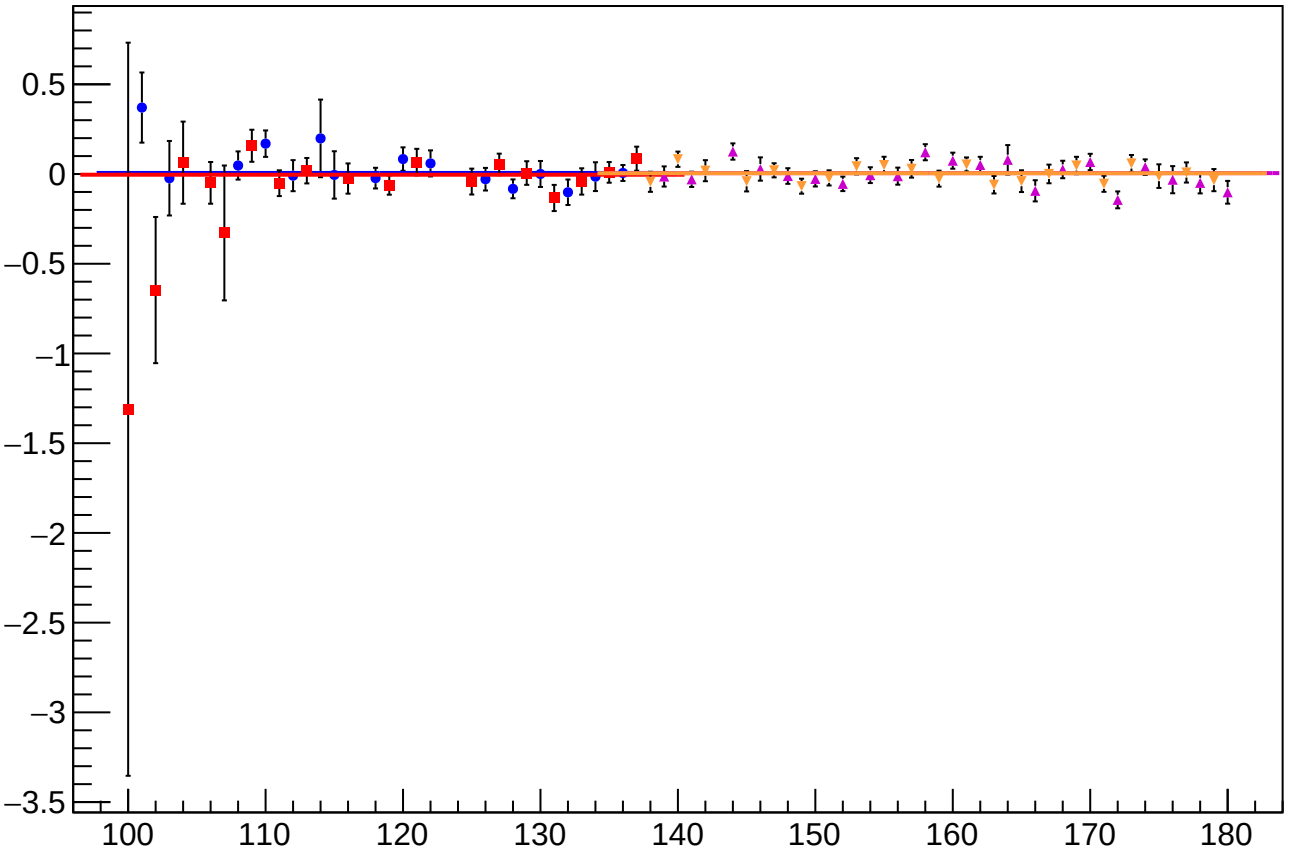
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1691597.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 5360377.3/36

All: 0.000+/-0.000 χ^2/NDF: 11058264.0/75

- 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: 0.004+/-0.011 χ^2/NDF:18.8/20

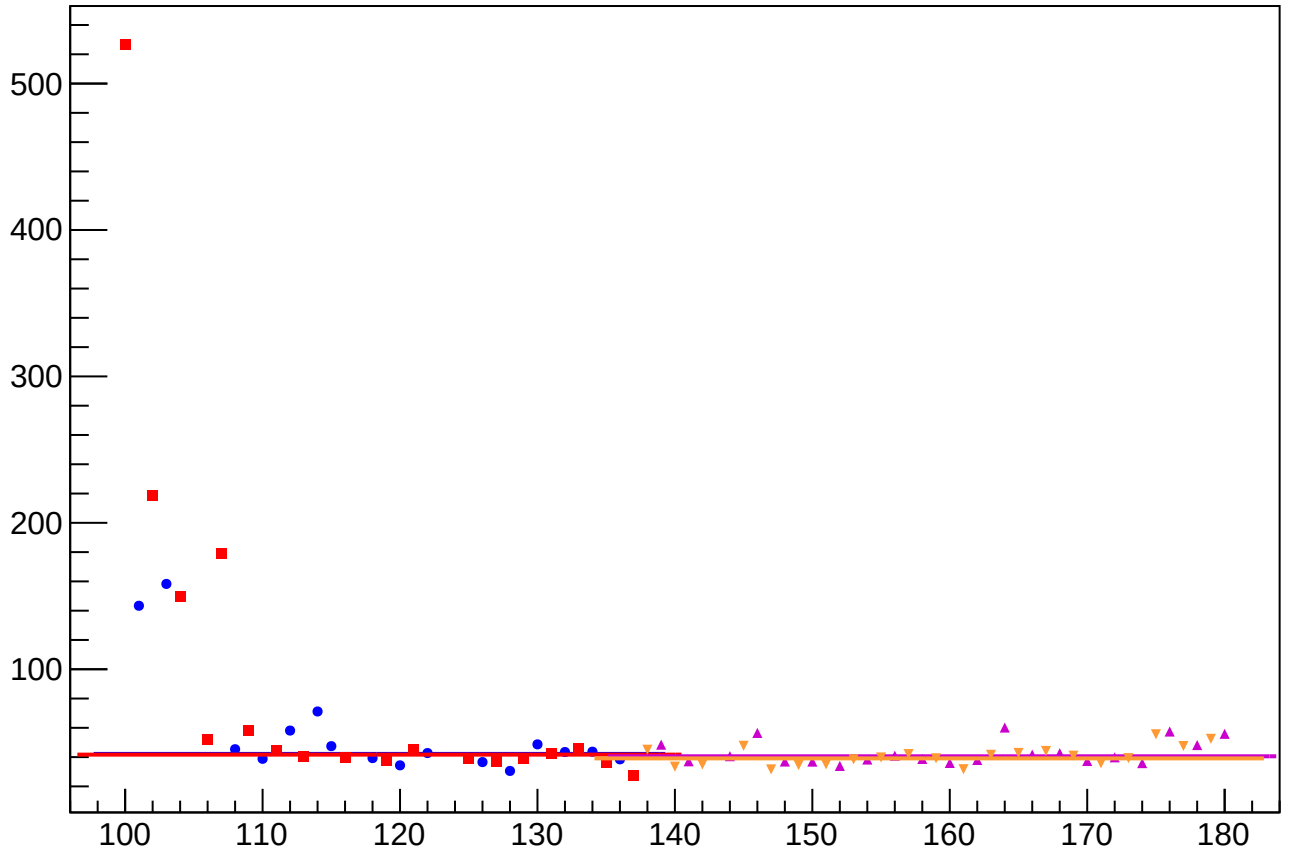
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.3/20

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/36

All: 0.004+/-0.006 χ^2/NDF: 93.9/75

- 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: 39.122+/-0.007 χ^2/NDF:617365.0/20

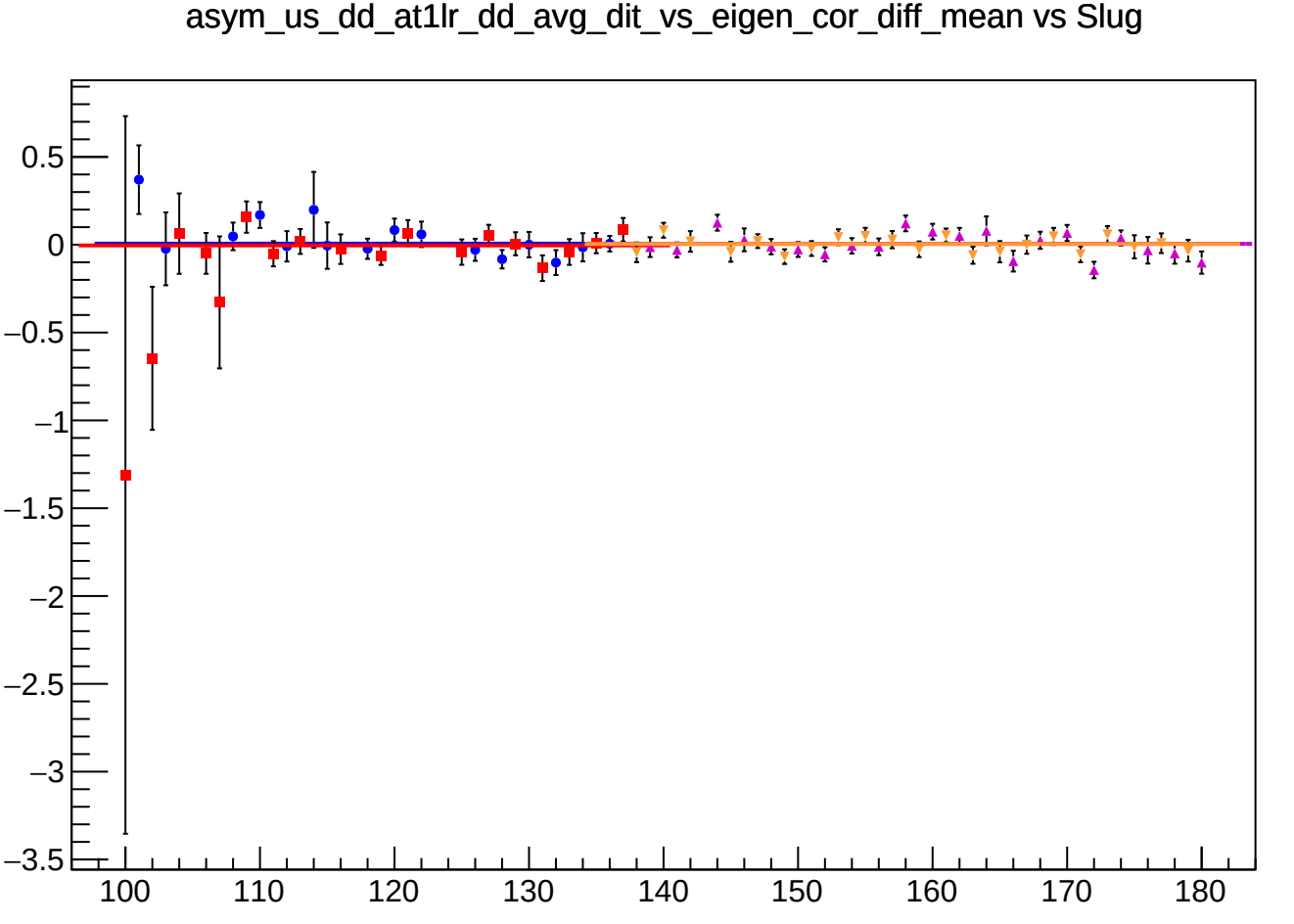
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.556+/-0.008 χ^2/NDF:693361.9/20

+ sign 39.881+/-0.006 χ^2/NDF: 2113433.9/36

All: 40.352+/-0.005 χ^2/NDF: 4264445.9/75

- 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: 0.004+/-0.011 χ^2/NDF:18.8/20

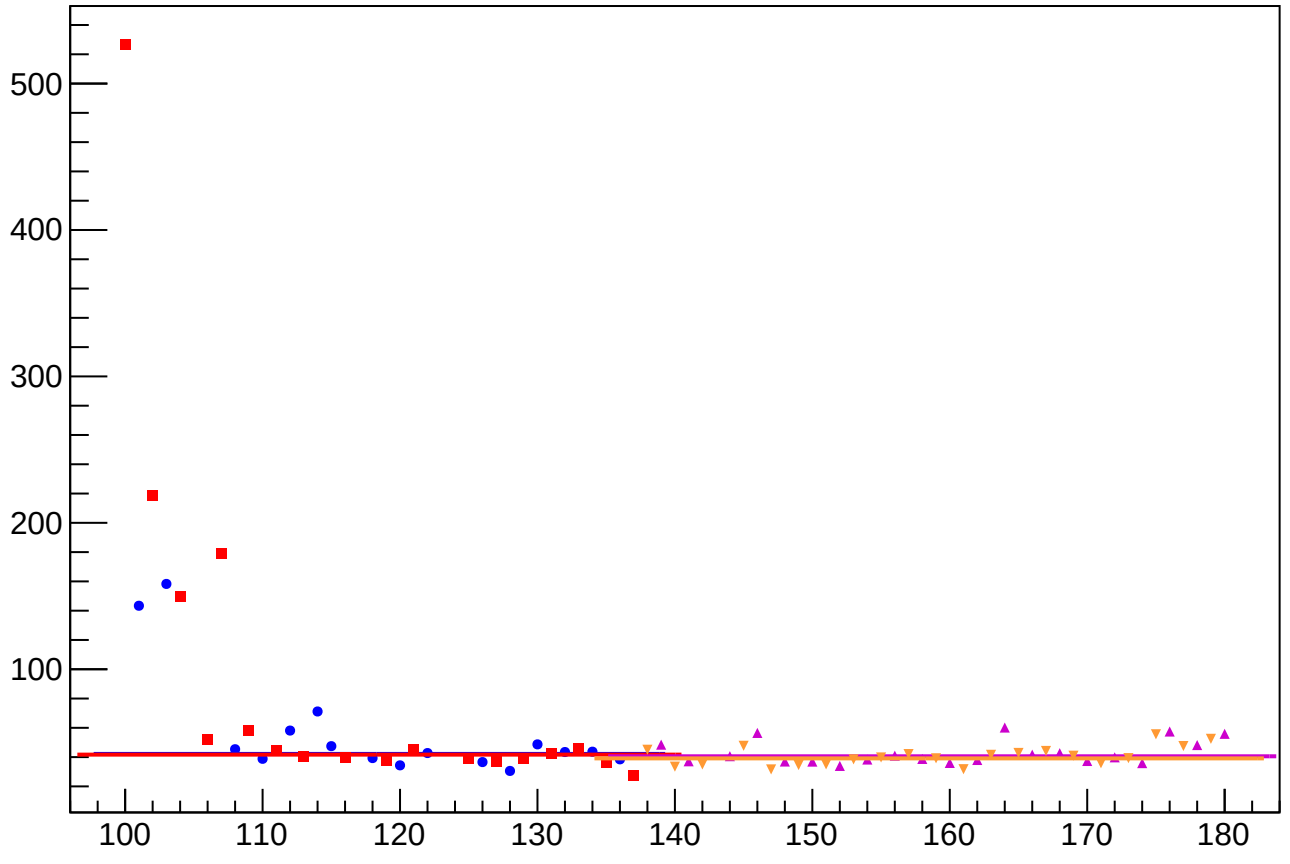
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.3/20

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/36

All: 0.004+/-0.006 χ^2/NDF: 93.9/75

- 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: 39.122+/-0.007 χ^2/NDF:617365.0/20

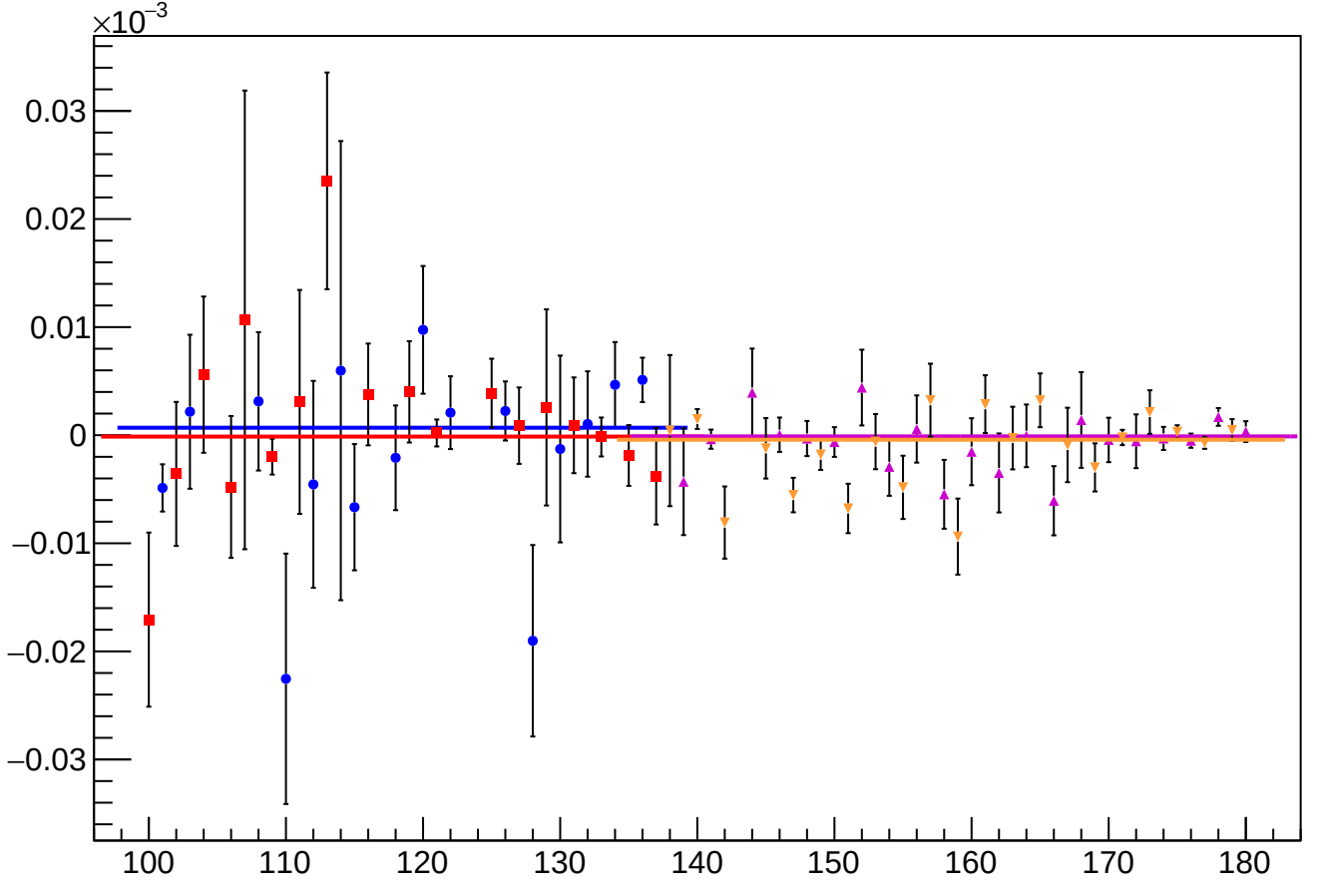
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.556+/-0.008 χ^2/NDF:693361.9/20

+ sign 39.881+/-0.006 χ^2/NDF: 2113433.9/36

All: 40.352+/-0.005 χ^2/NDF: 4264445.9/75

- sign 40.838+/-0.007 χ^2/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:47.7/20

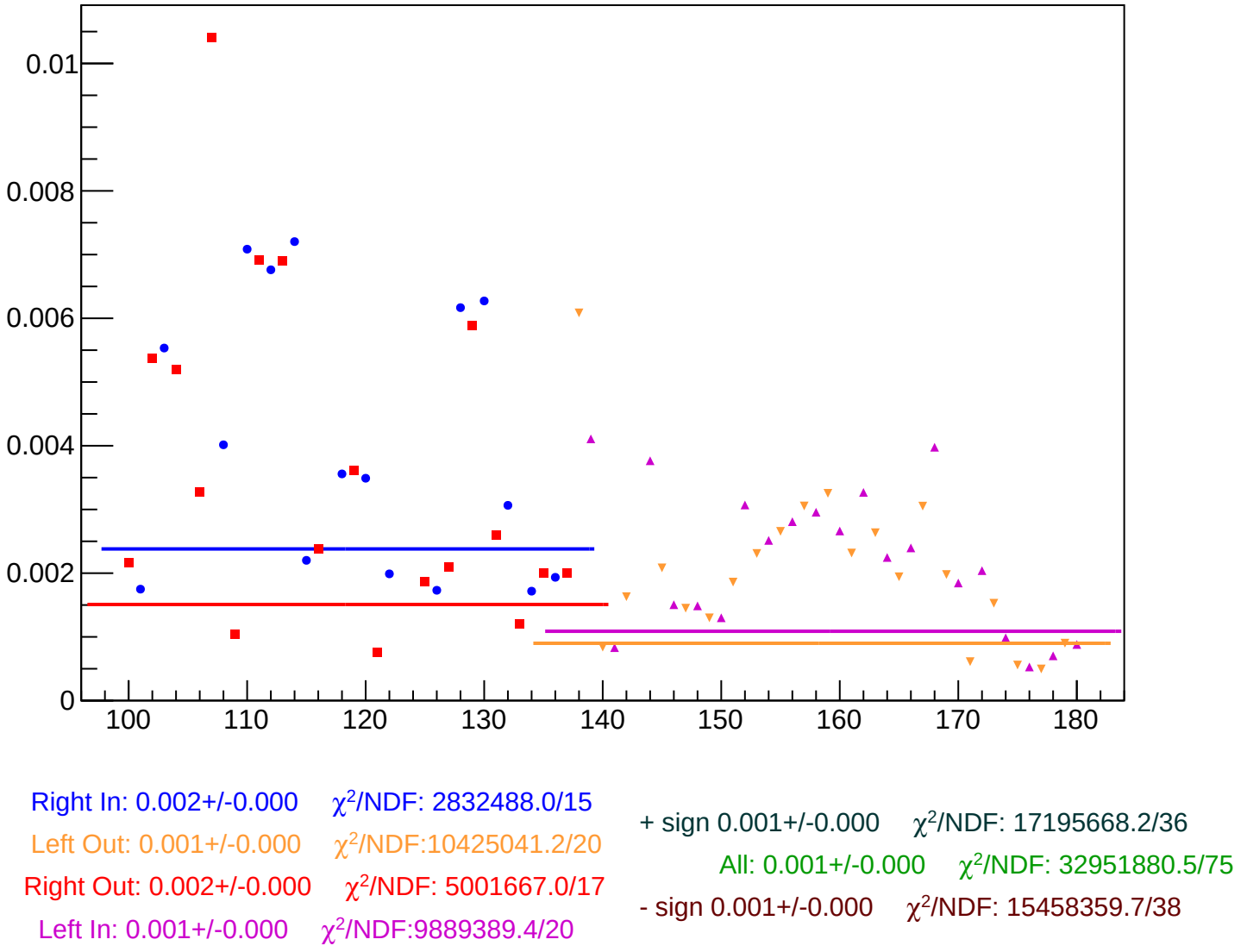
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

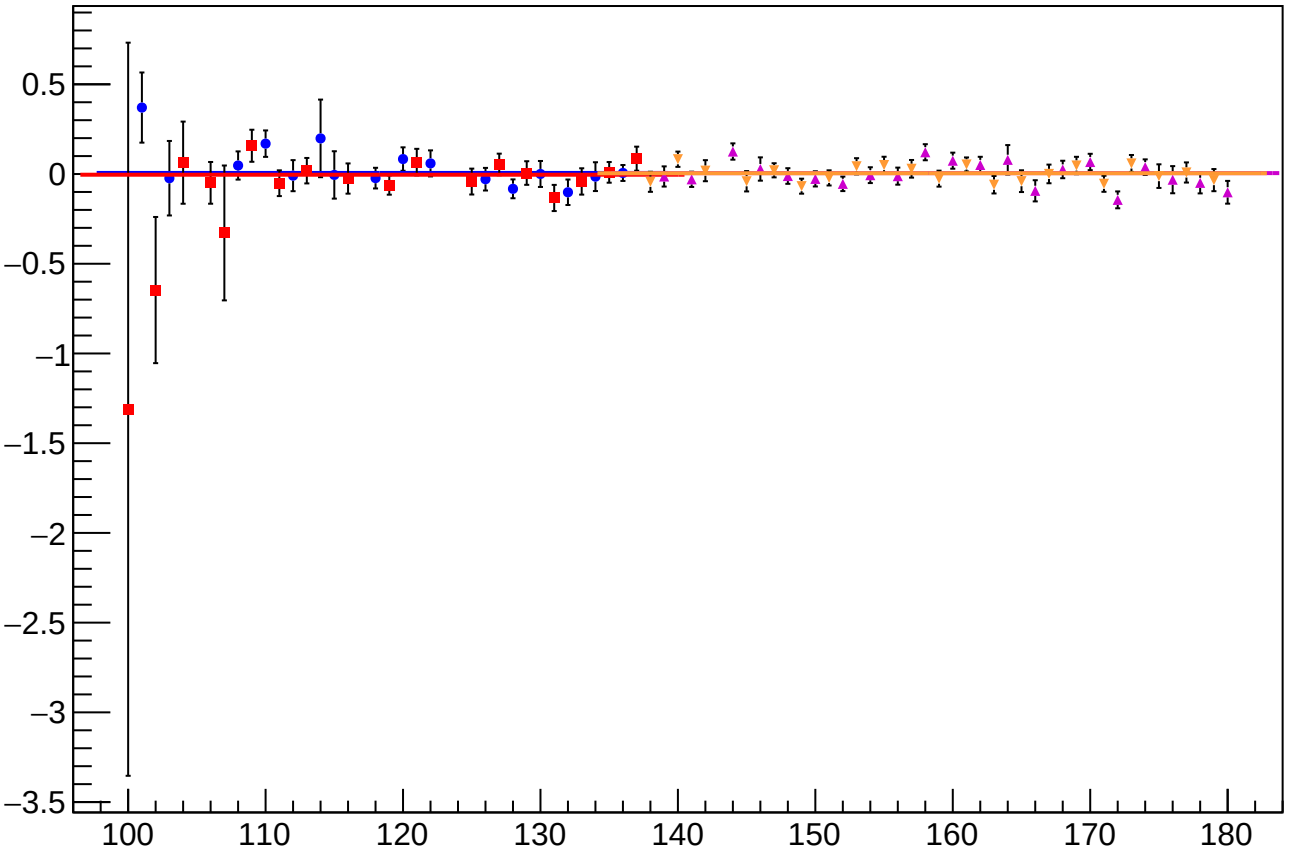
Left In: -0.000+/-0.000 χ^2/NDF:17.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 75.3/36

All: -0.000+/-0.000 χ^2/NDF: 110.8/75

- 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
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:10425041.2/20
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:9889389.4/20
+ sign 0.001+/-0.000 χ²/NDF: 17195668.2/36
All: 0.001+/-0.000 χ²/NDF: 32951880.5/75
- sign 0.001+/-0.000 χ²/NDF: 15458359.7/38



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

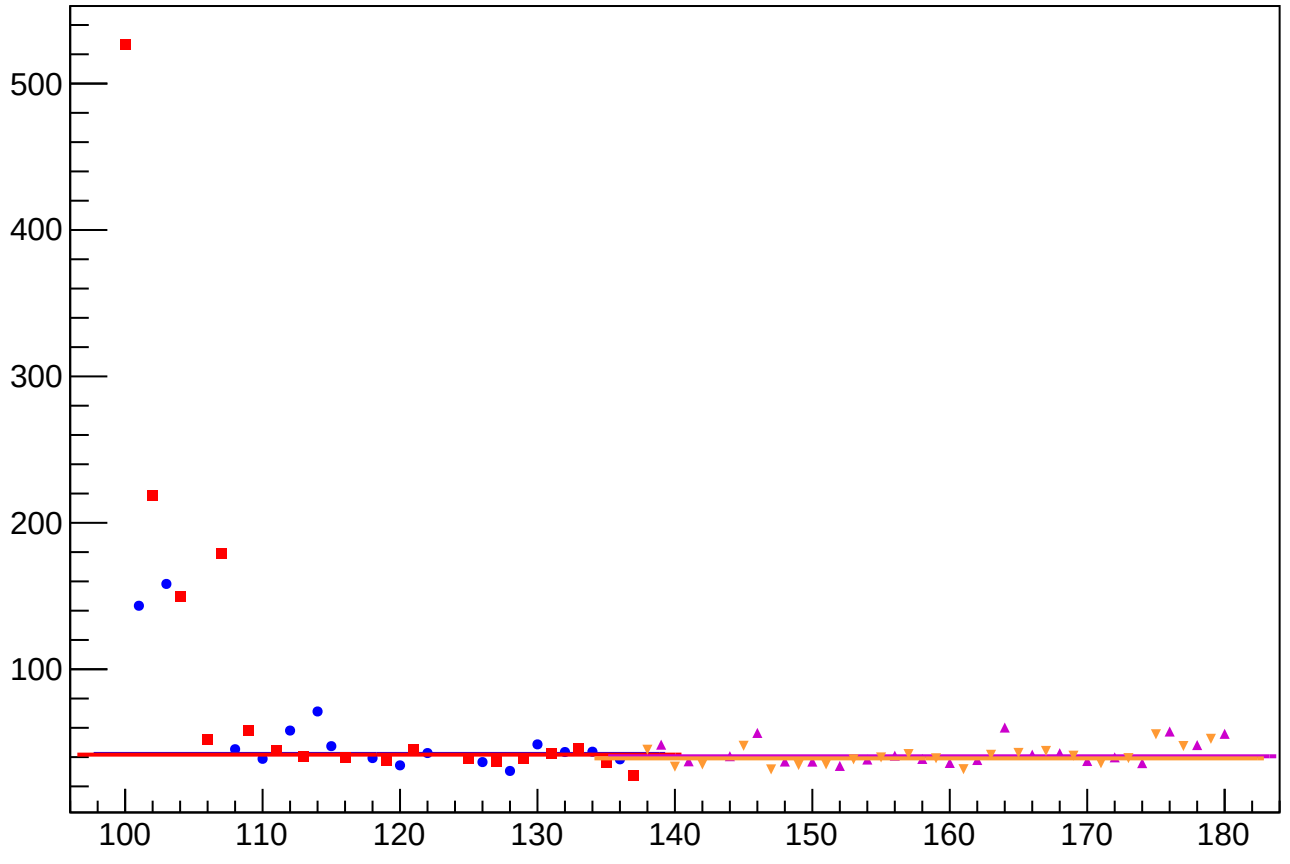
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.3/20

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/36

All: 0.004+/-0.006 χ^2/NDF: 93.9/75

- 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: 39.123+/-0.007 χ^2/NDF:617341.3/20

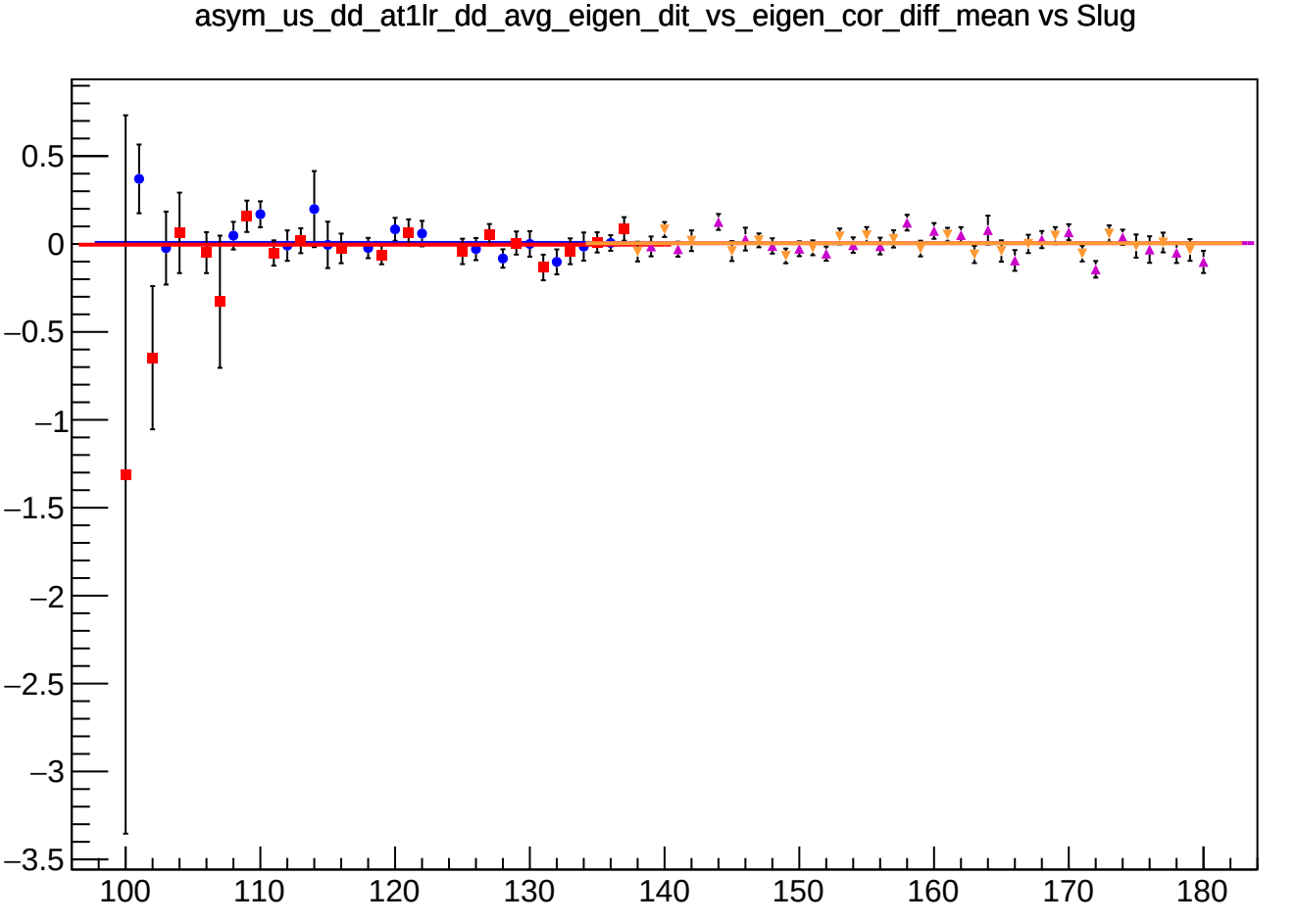
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.556+/-0.008 χ^2/NDF:693398.0/20

+ sign 39.881+/-0.006 χ^2/NDF: 2113556.3/36

All: 40.352+/-0.005 χ^2/NDF: 4264603.3/75

- sign 40.838+/-0.007 χ^2/NDF: 2140202.0/38



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

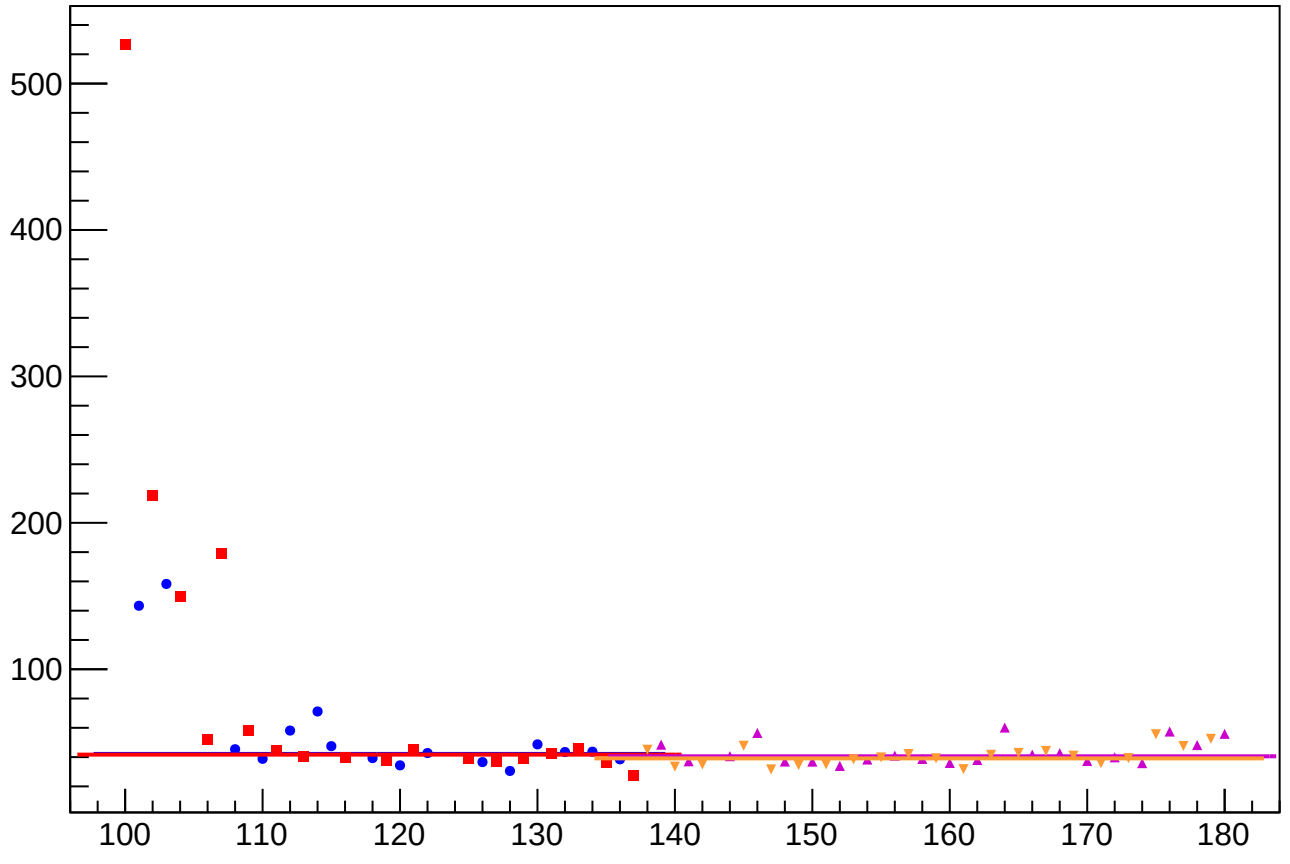
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.005+/-0.011 χ^2/NDF:41.3/20

+ sign 0.005+/-0.009 χ^2/NDF: 36.1/36

All: 0.004+/-0.006 χ^2/NDF: 93.9/75

- 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: 39.123+/-0.007 χ^2/NDF:617341.3/20

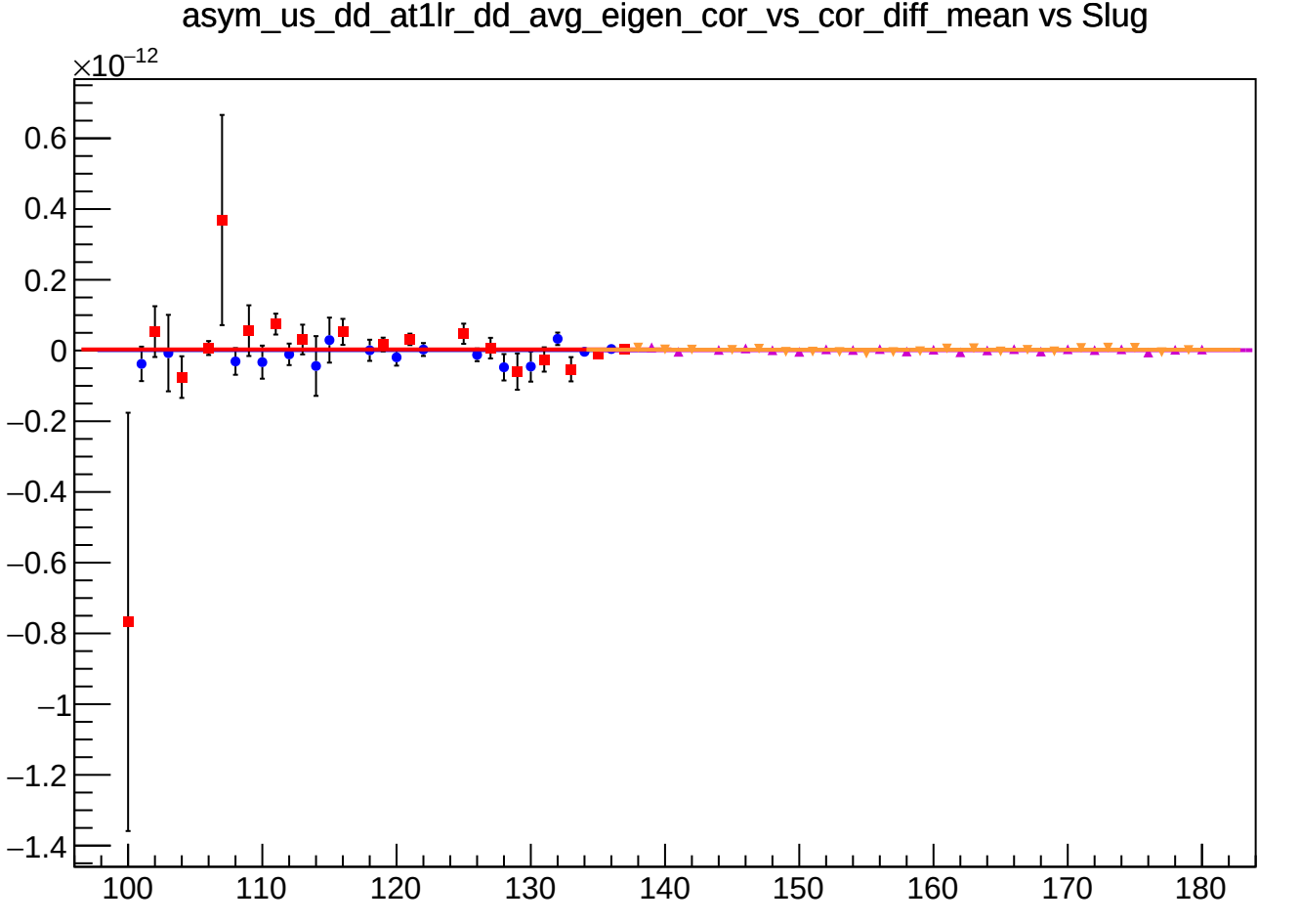
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

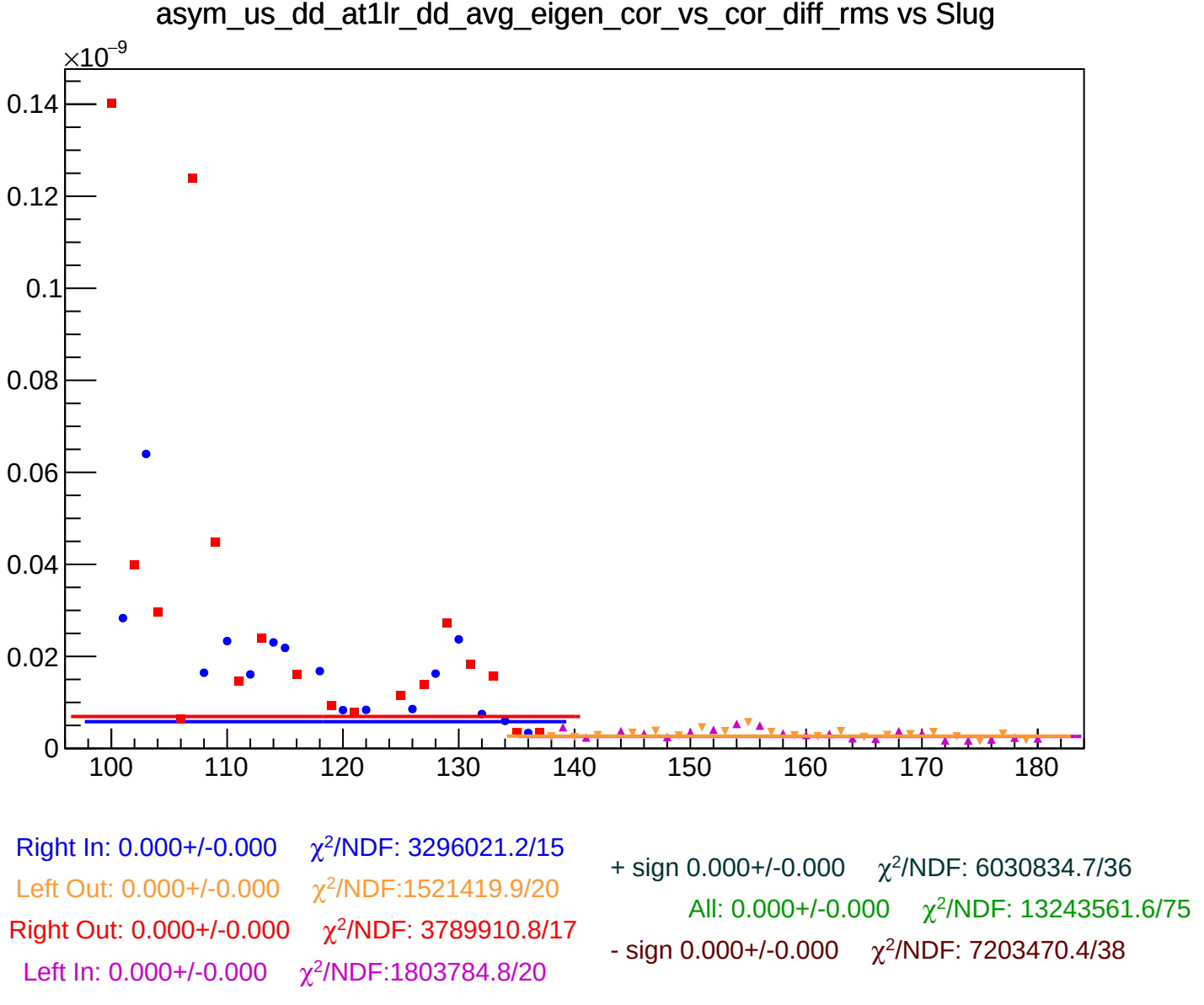
Left In: 40.556+/-0.008 χ^2/NDF:693398.0/20

+ sign 39.881+/-0.006 χ^2/NDF: 2113556.3/36

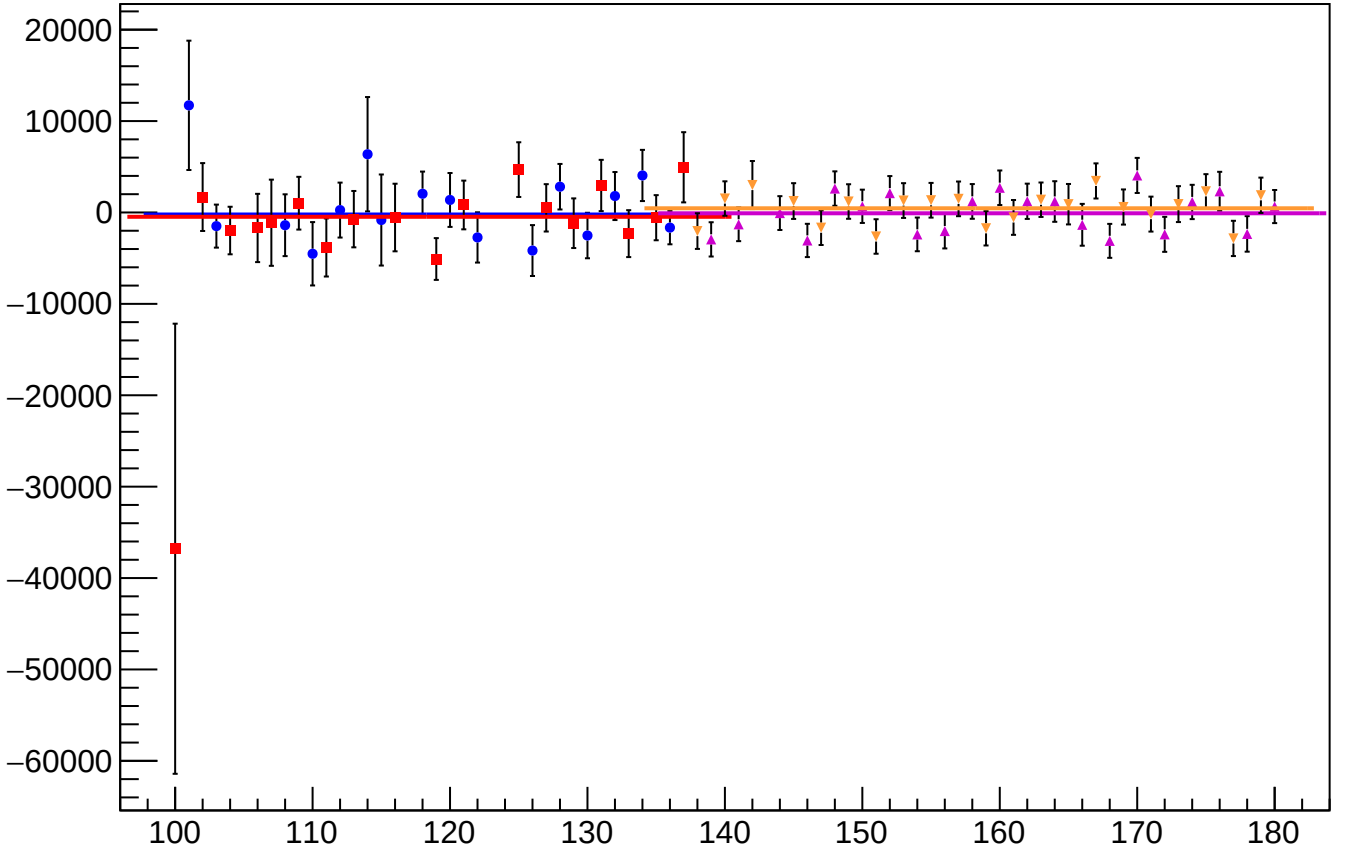
All: 40.352+/-0.005 χ^2/NDF: 4264603.3/75

- 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:24.5/20
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: 35.1/36
All: 0.000+/-0.000 χ²/NDF: 80.1/75
- 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:1521419.9/20
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: 6030834.7/36
All: 0.000+/-0.000 χ²/NDF: 13243561.6/75
- 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: 458.421+/-424.111 χ^2/NDF:16.8/20

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

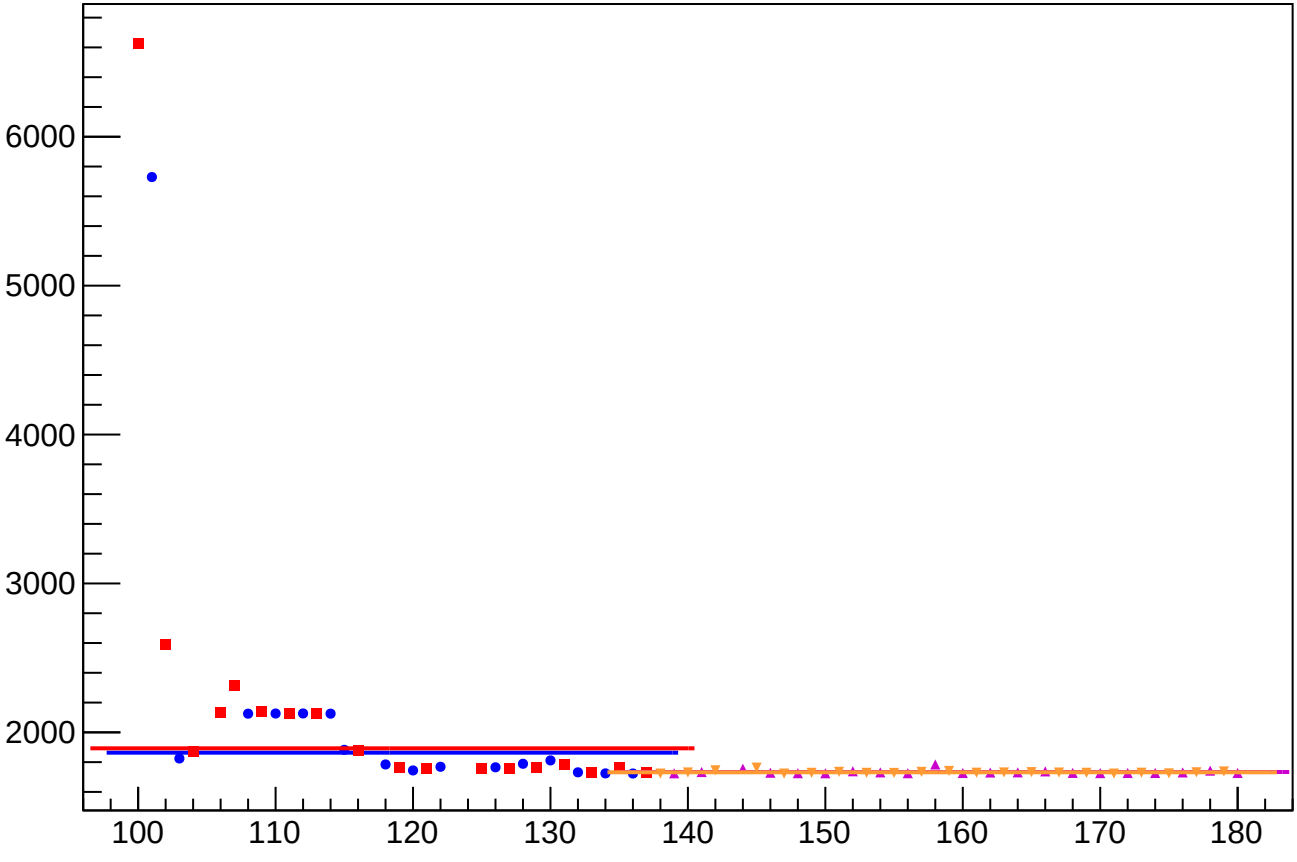
Left In: -89.703+/-417.397 χ^2/NDF:27.4/20

+ sign 278.910+/-363.984 χ^2/NDF: 33.3/36

All: 43.050+/-255.961 χ^2/NDF: 77.6/75

- 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: 1731.841+/-0.300 χ^2/NDF:828.9/20

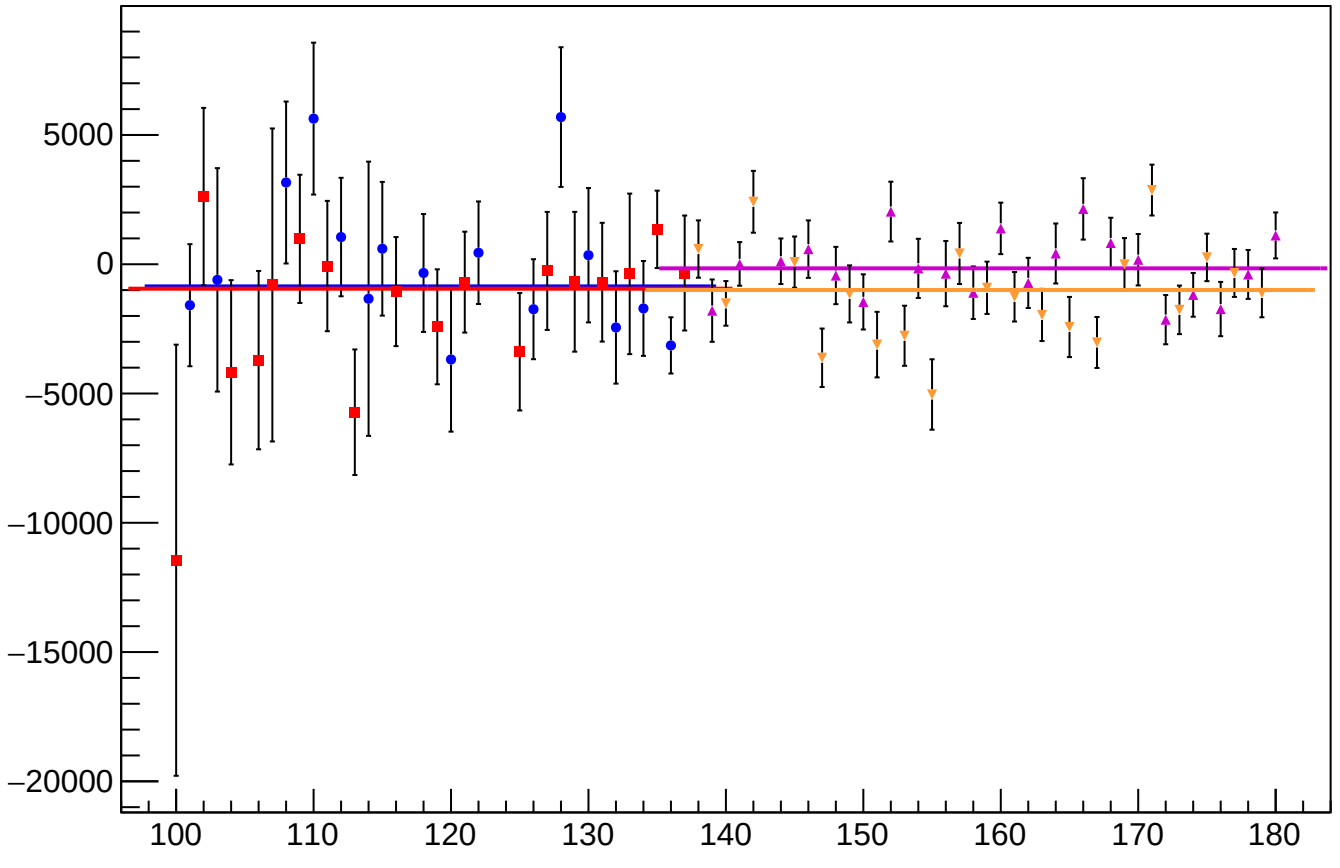
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.816+/-0.295 χ^2/NDF:2111.6/20

+ sign 1766.547+/-0.257 χ^2/NDF: 726332.6/36

All: 1770.588+/-0.181 χ^2/NDF: 1054801.4/75

- 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: -994.517+/-226.311 χ^2/NDF:58.7/20

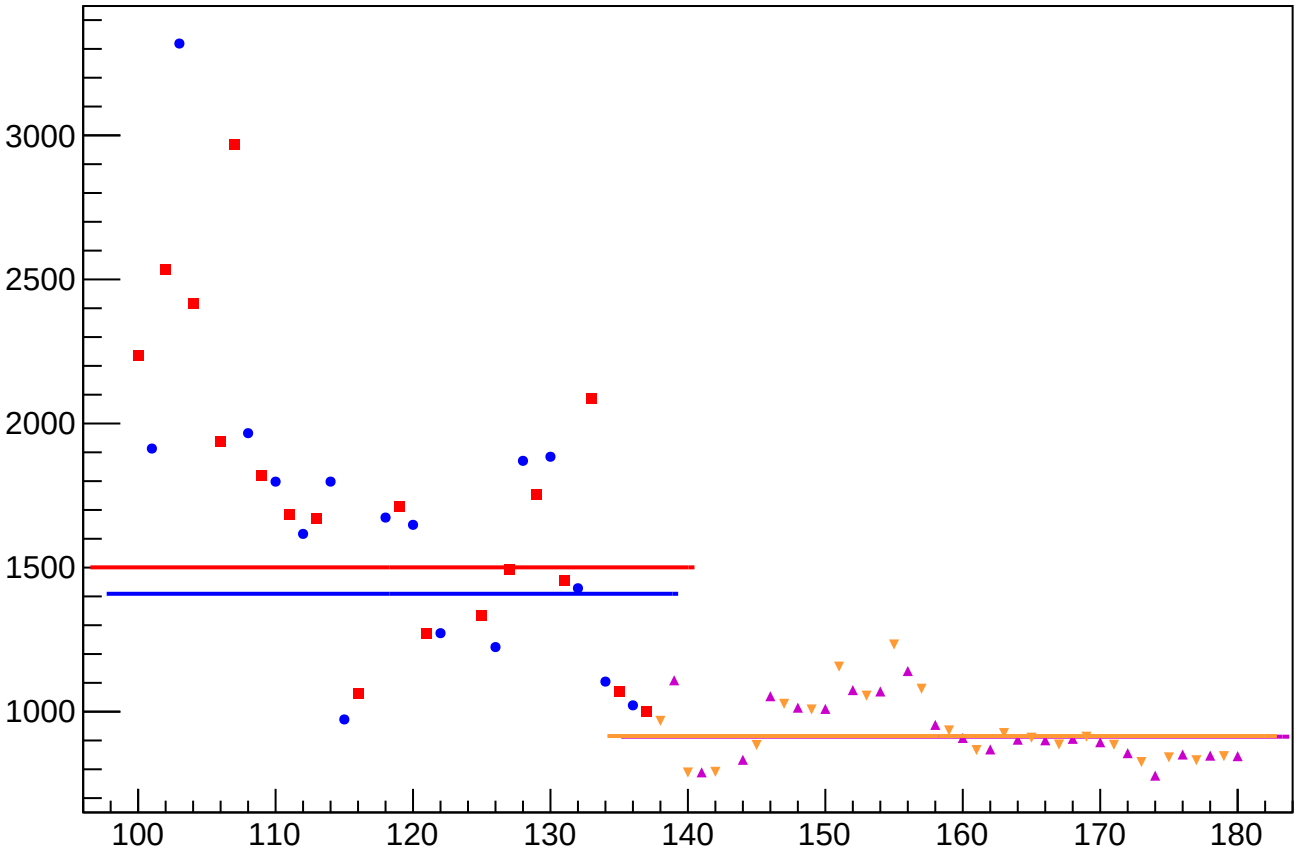
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -158.904+/-221.628 χ^2/NDF:26.5/20

+ sign -974.635+/-209.275 χ^2/NDF: 79.3/36

All: -612.678+/-147.243 χ^2/NDF: 126.3/75

- 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: 915.422+/-0.160 χ^2/NDF:421934.6/20

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

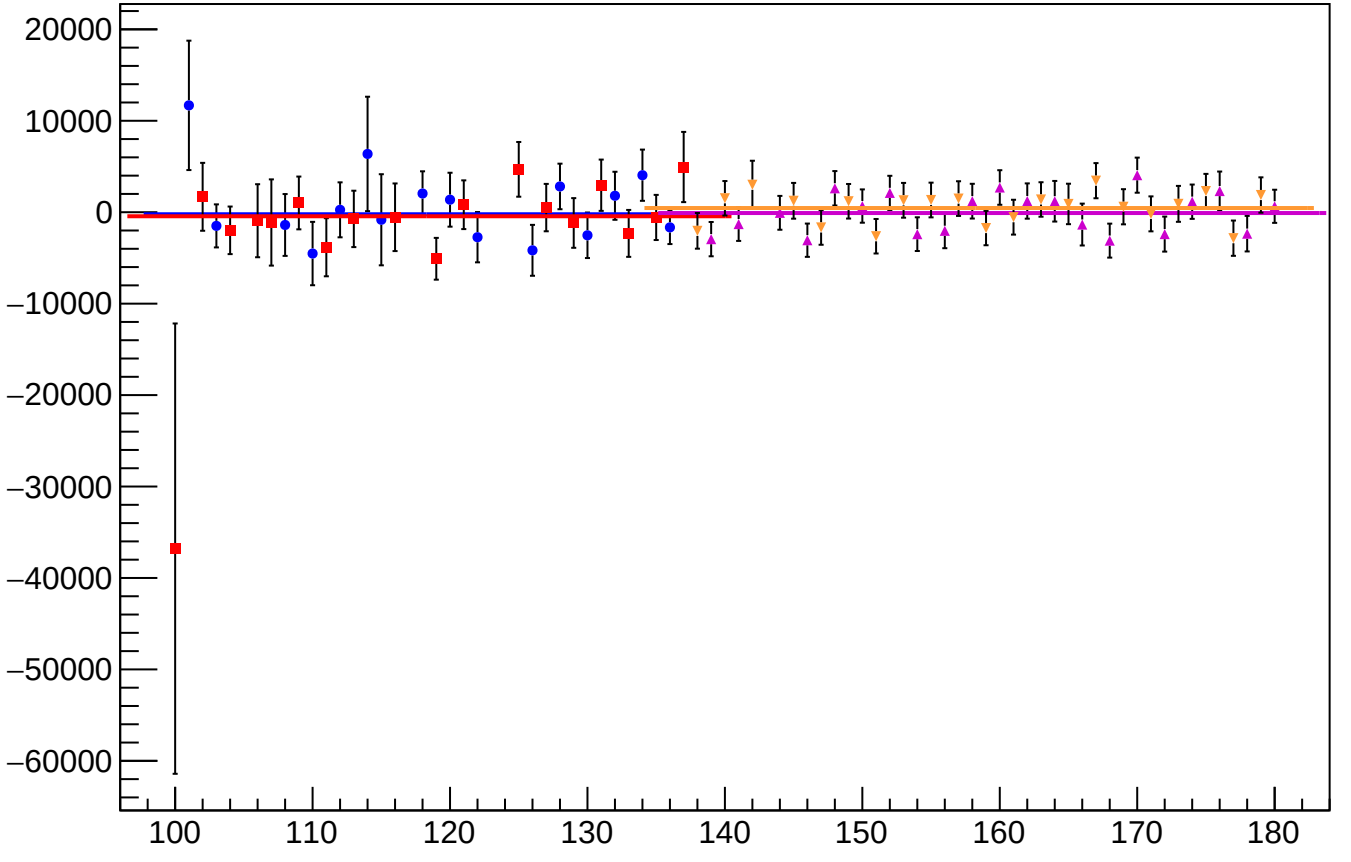
Left In: 913.160+/-0.157 χ^2/NDF:413805.1/20

\+ sign 986.951+/-0.148 χ^2/NDF: 2968549.7/36

All: 987.049+/-0.104 χ^2/NDF: 6183385.1/75

\- 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: 458.475+/-424.111 χ^2/NDF:16.8/20

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

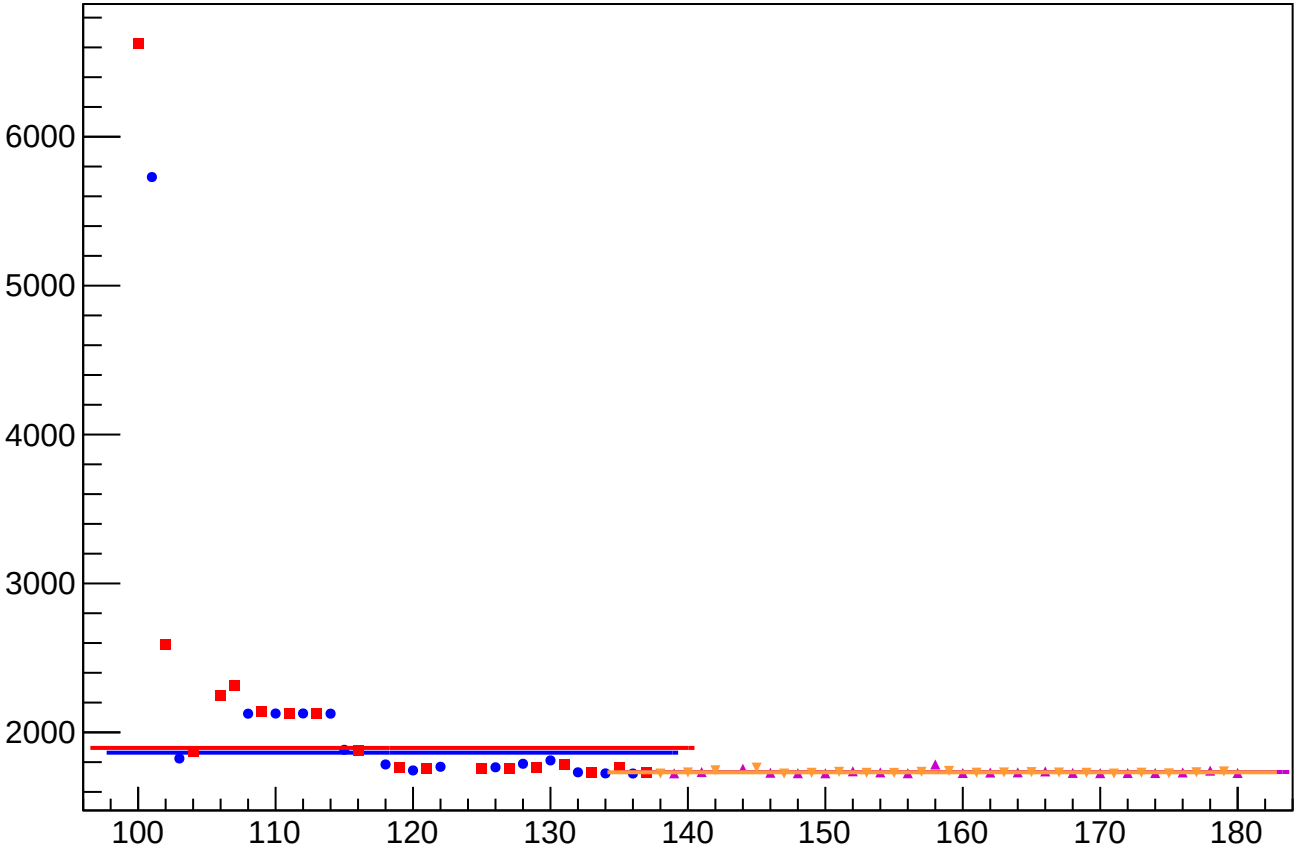
Left In: -89.714+/-417.397 χ^2/NDF:27.4/20

+ sign 278.746+/-363.984 χ^2/NDF: 33.3/36

All: 47.057+/-256.036 χ^2/NDF: 77.4/75

- 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: 1731.841+/-0.300 χ^2/NDF:828.9/20

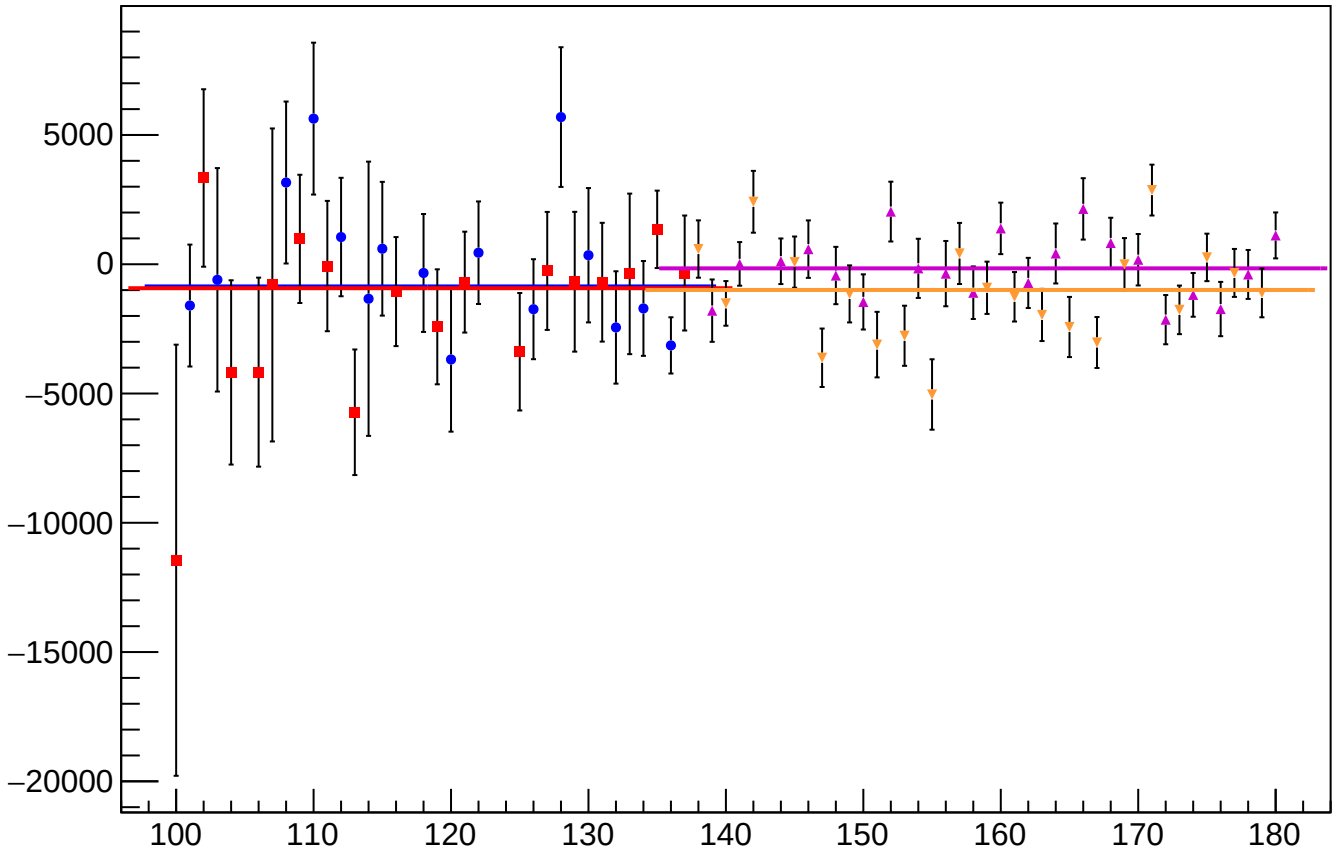
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.816+/-0.295 χ^2/NDF:2111.6/20

+ sign 1766.547+/-0.257 χ^2/NDF: 726332.5/36

All: 1770.854+/-0.181 χ^2/NDF: 1064741.9/75

- 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: -994.542+/-226.311 χ^2/NDF:58.7/20

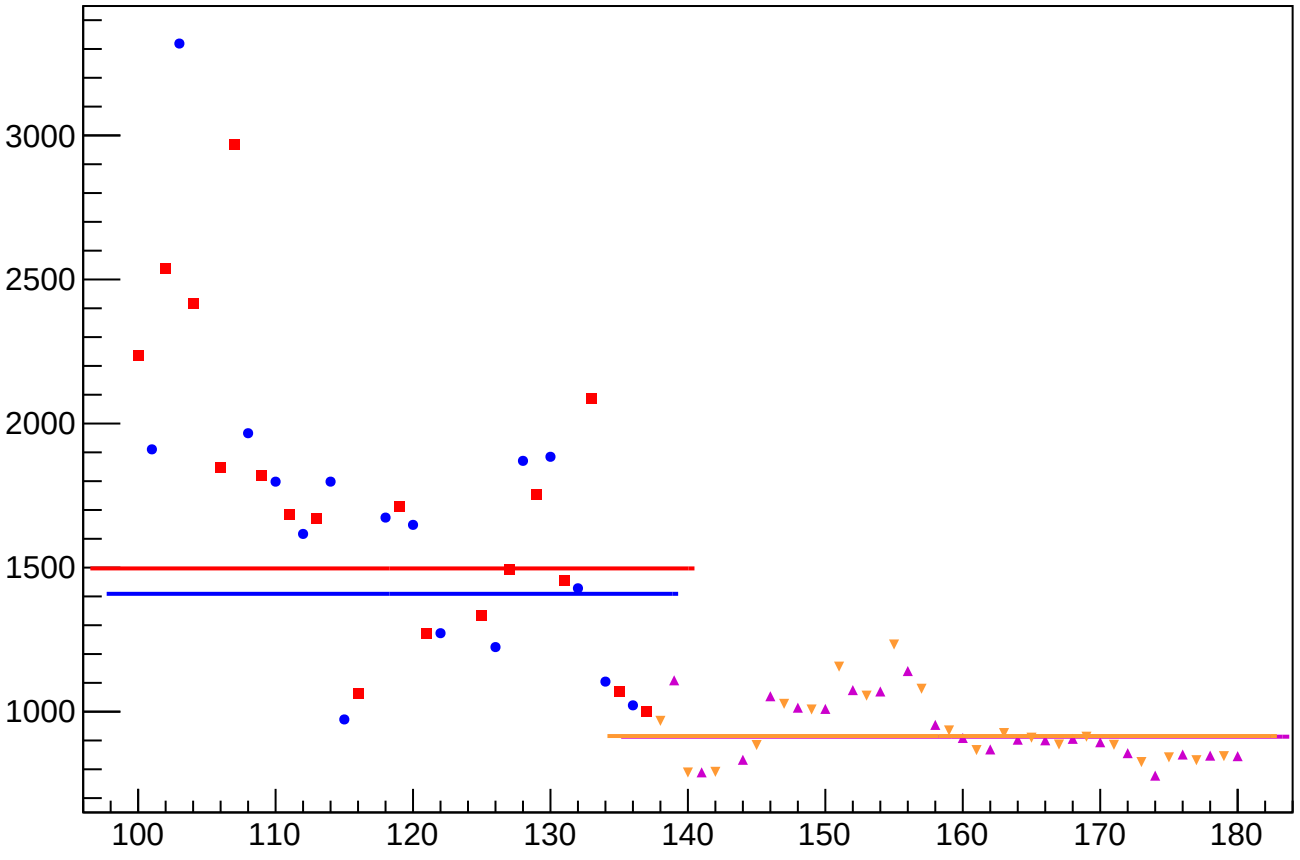
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -158.886+/-221.627 χ^2/NDF:26.5/20

+ sign -974.772+/-209.273 χ^2/NDF: 79.3/36

All: -611.563+/-147.257 χ^2/NDF: 126.9/75

- 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: 915.423+/-0.160 χ^2/NDF:421905.1/20

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

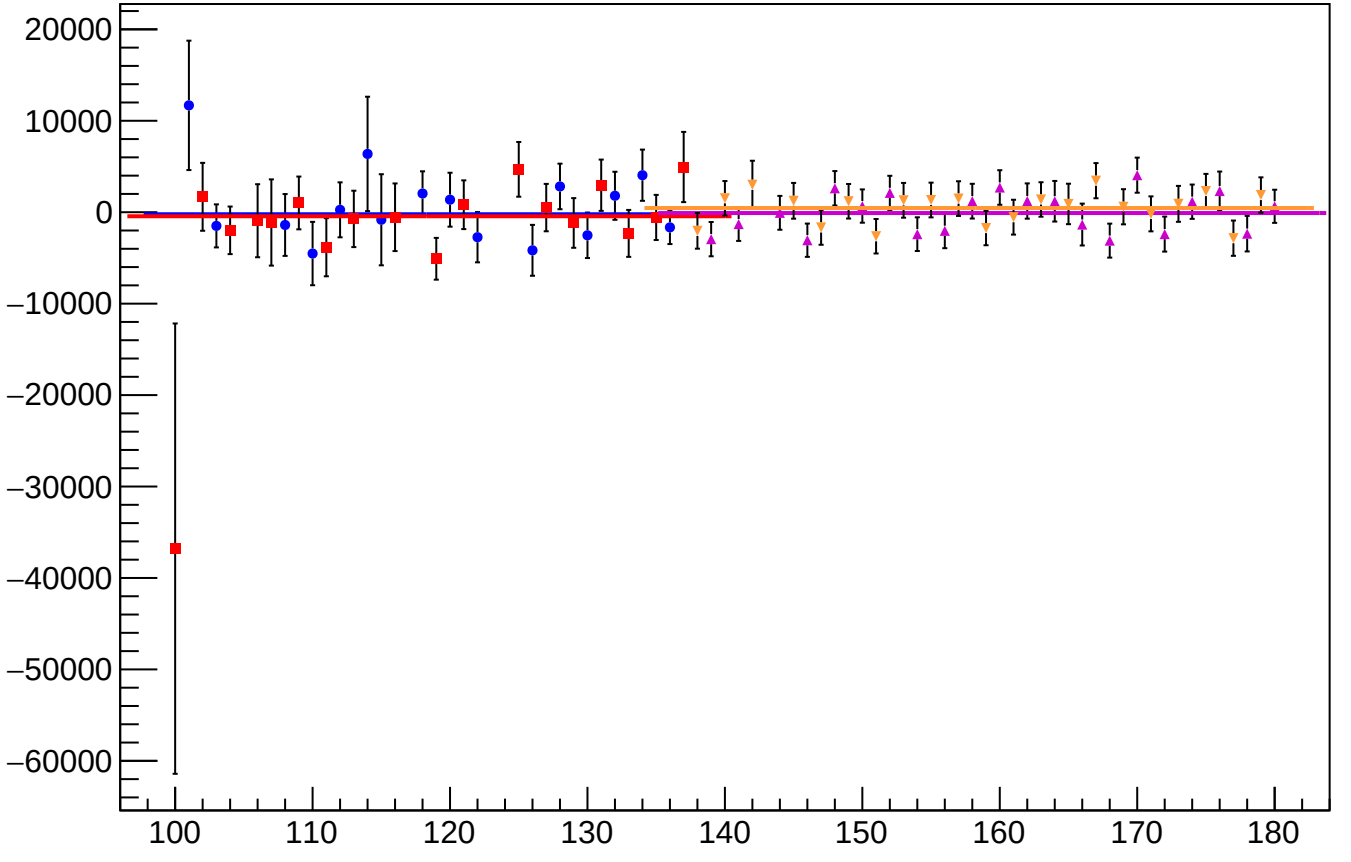
Left In: 913.156+/-0.157 χ^2/NDF:413820.8/20

+ sign 986.949+/-0.148 χ^2/NDF: 2967629.2/36

All: 986.712+/-0.104 χ^2/NDF: 6143130.4/75

- sign 986.479+/-0.147 χ^2/NDF: 3175496.1/38

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.475+/-424.111 χ^2/NDF:16.8/20

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

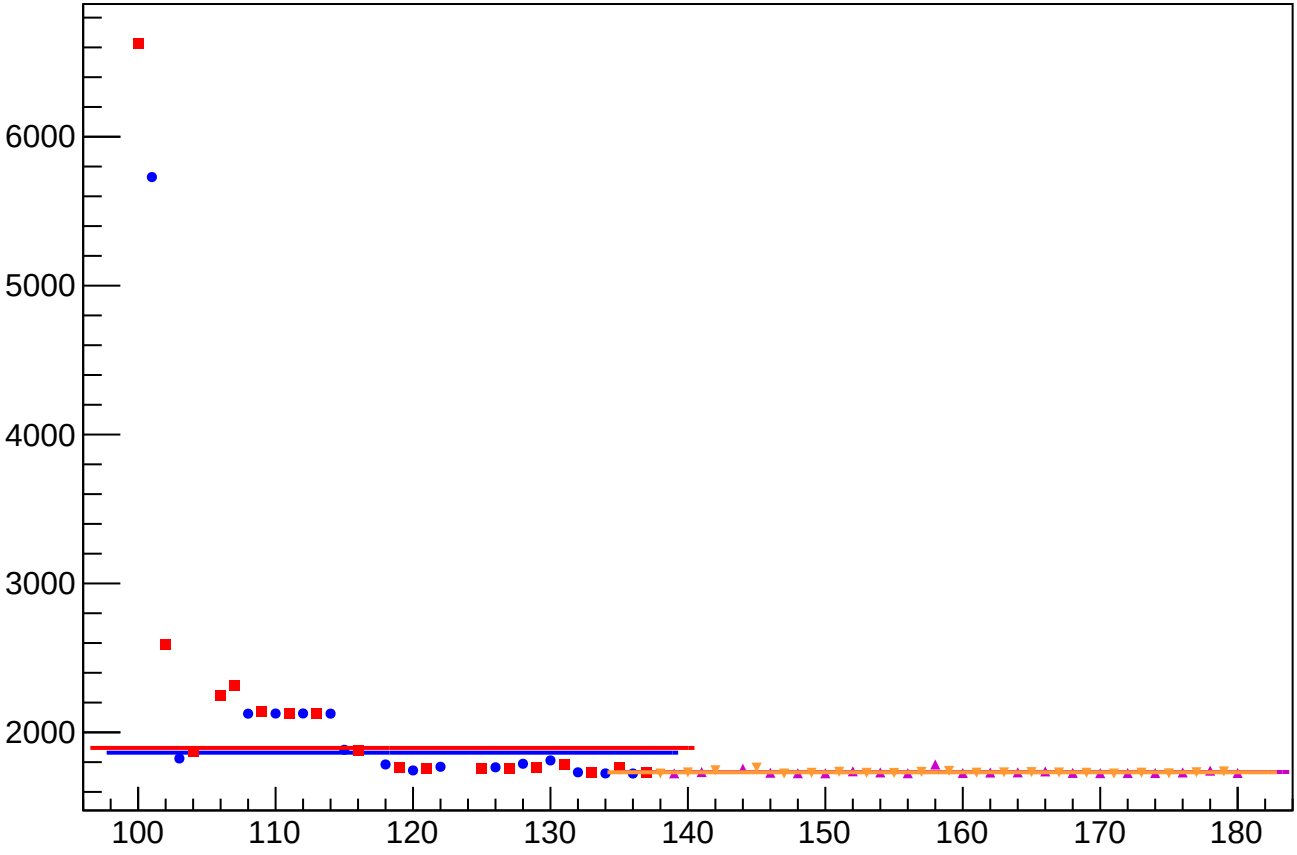
Left In: -89.714+/-417.397 χ^2/NDF:27.4/20

+ sign 278.746+/-363.984 χ^2/NDF: 33.3/36

All: 47.057+/-256.036 χ^2/NDF: 77.4/75

- 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: 1731.841+/-0.300 χ^2/NDF:828.9/20

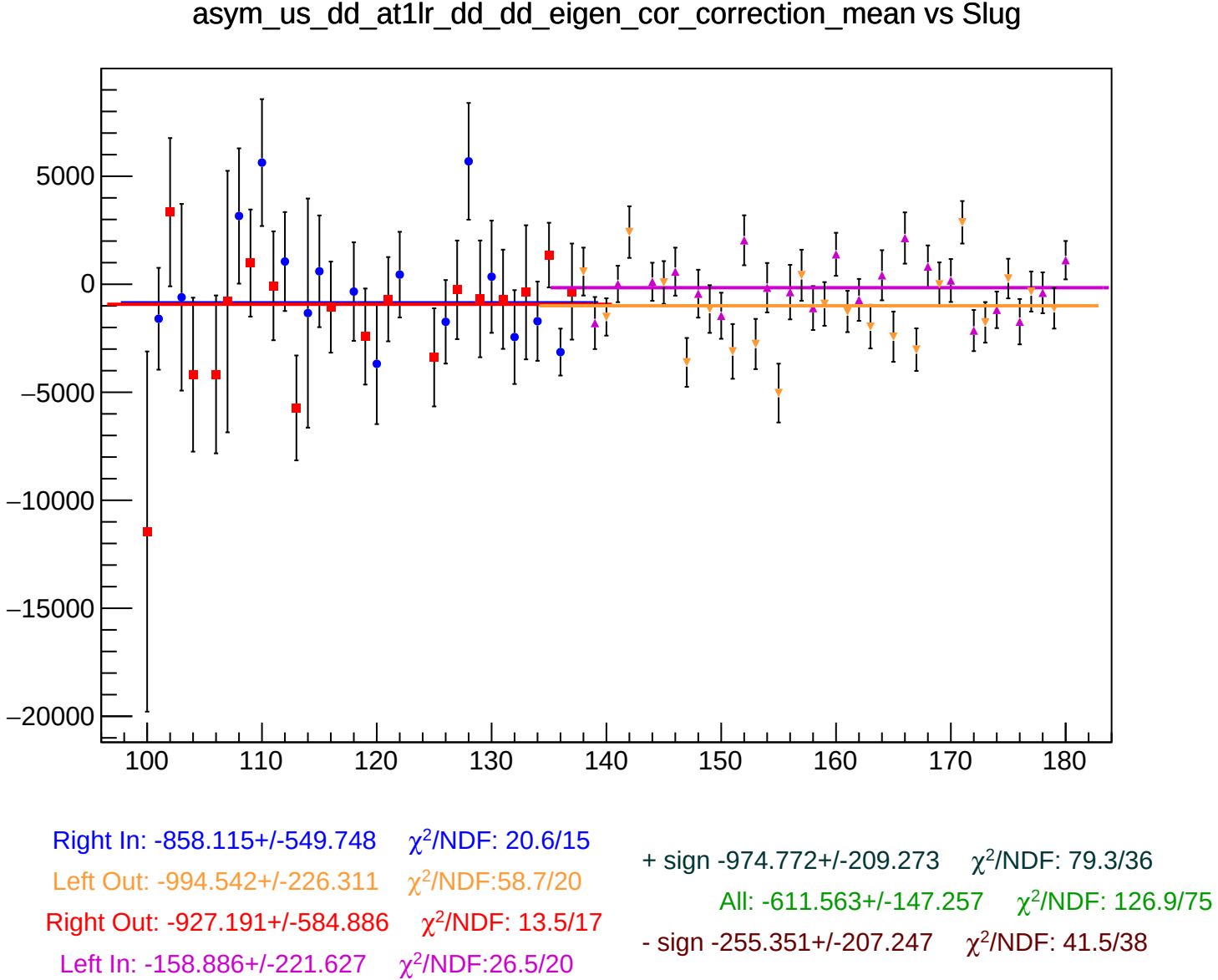
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.816+/-0.295 χ^2/NDF:2111.6/20

+ sign 1766.547+/-0.257 χ^2/NDF: 726332.5/36

All: 1770.854+/-0.181 χ^2/NDF: 1064741.9/75

- 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: -994.542+/-226.311 χ^2/NDF:58.7/20

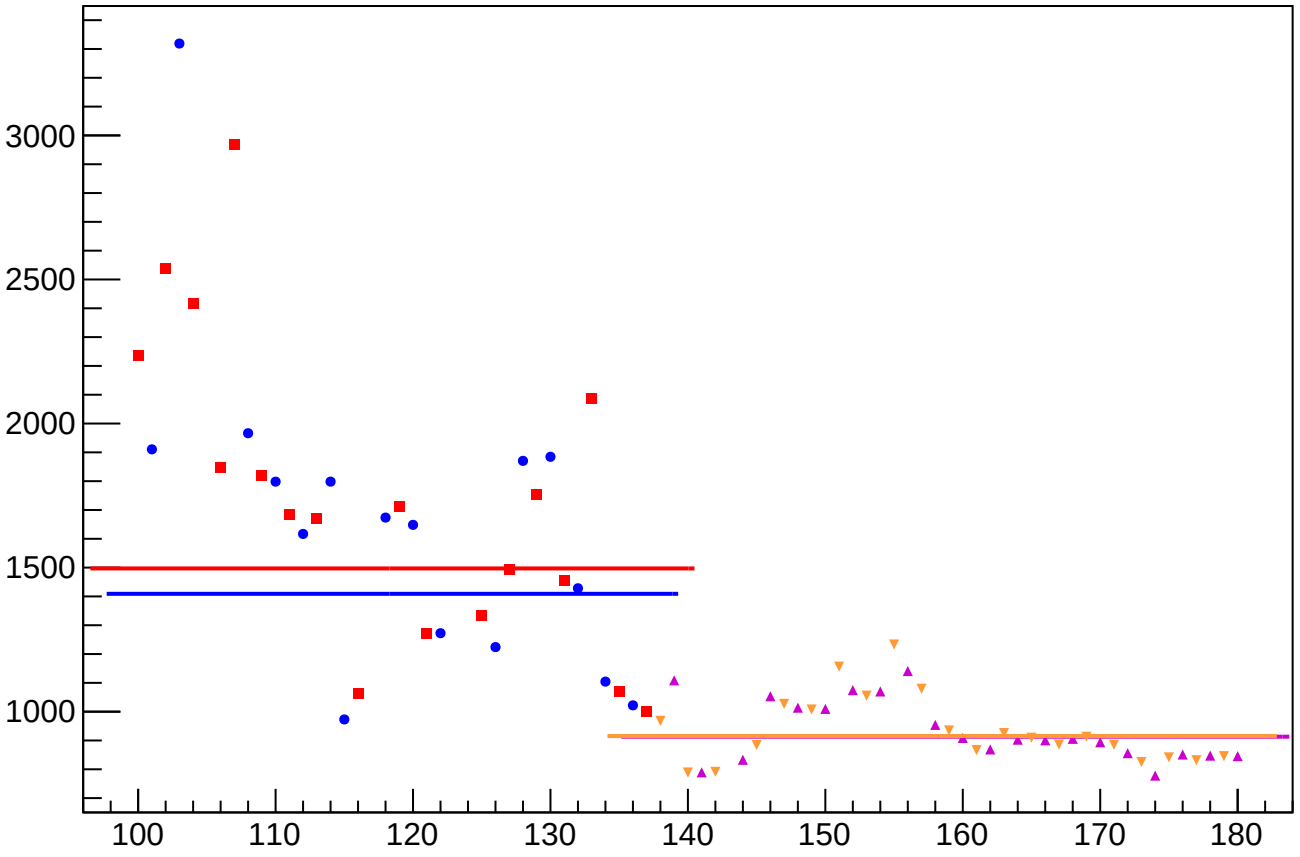
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -158.886+/-221.627 χ^2/NDF:26.5/20

+ sign -974.772+/-209.273 χ^2/NDF: 79.3/36

All: -611.563+/-147.257 χ^2/NDF: 126.9/75

- 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: 915.423+/-0.160 χ^2/NDF:421905.1/20

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

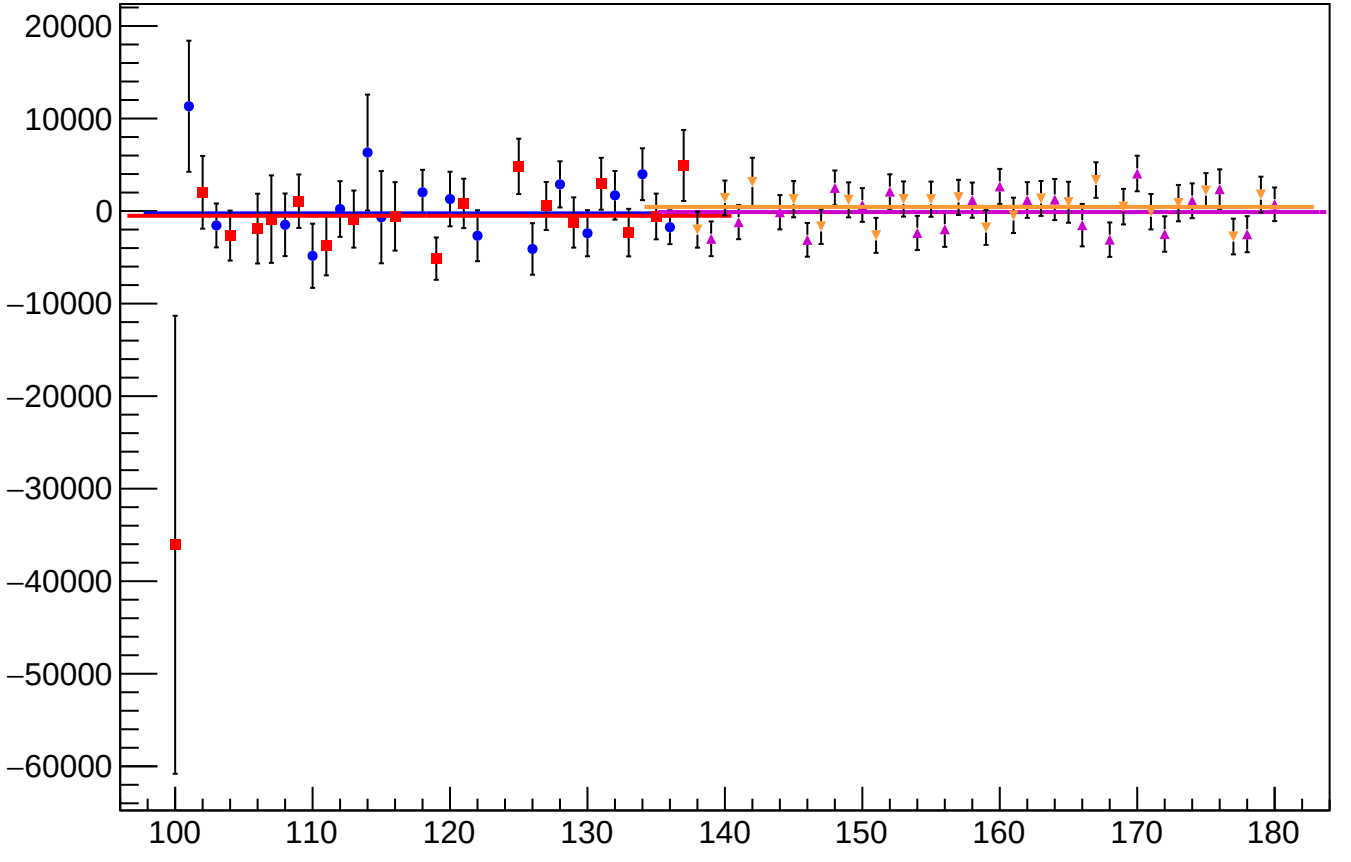
Left In: 913.156+/-0.157 χ^2/NDF:413820.8/20

+ sign 986.949+/-0.148 χ^2/NDF: 2967629.2/36

All: 986.712+/-0.104 χ^2/NDF: 6143130.4/75

- 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: 446.710+/-424.403 χ^2/NDF:16.2/20

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

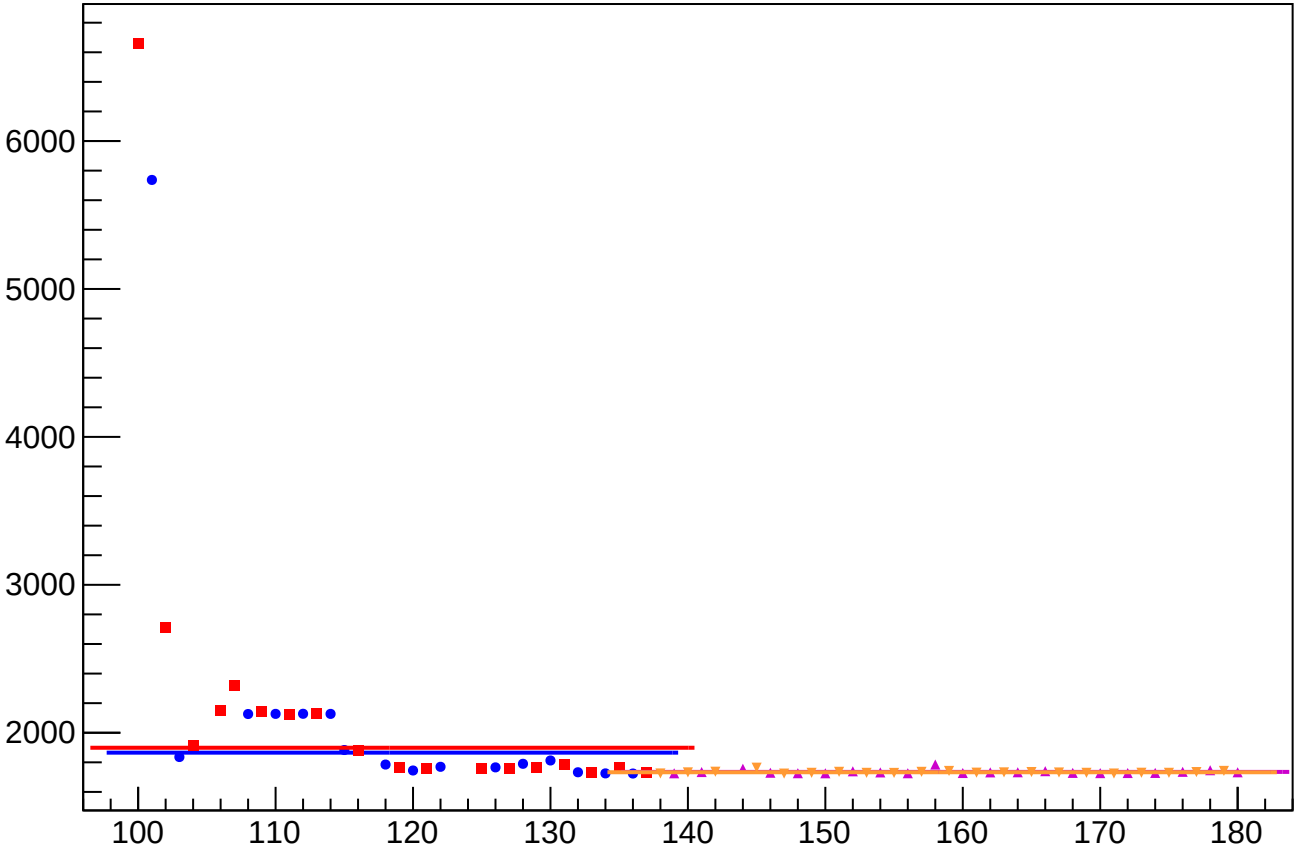
Left In: -107.773+/-417.758 χ^2/NDF:27.5/20

+ sign 262.760+/-364.280 χ^2/NDF: 32.6/36

All: 24.047+/-256.331 χ^2/NDF: 77.6/75

- 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: 1733.006+/-0.300 χ^2/NDF:777.3/20

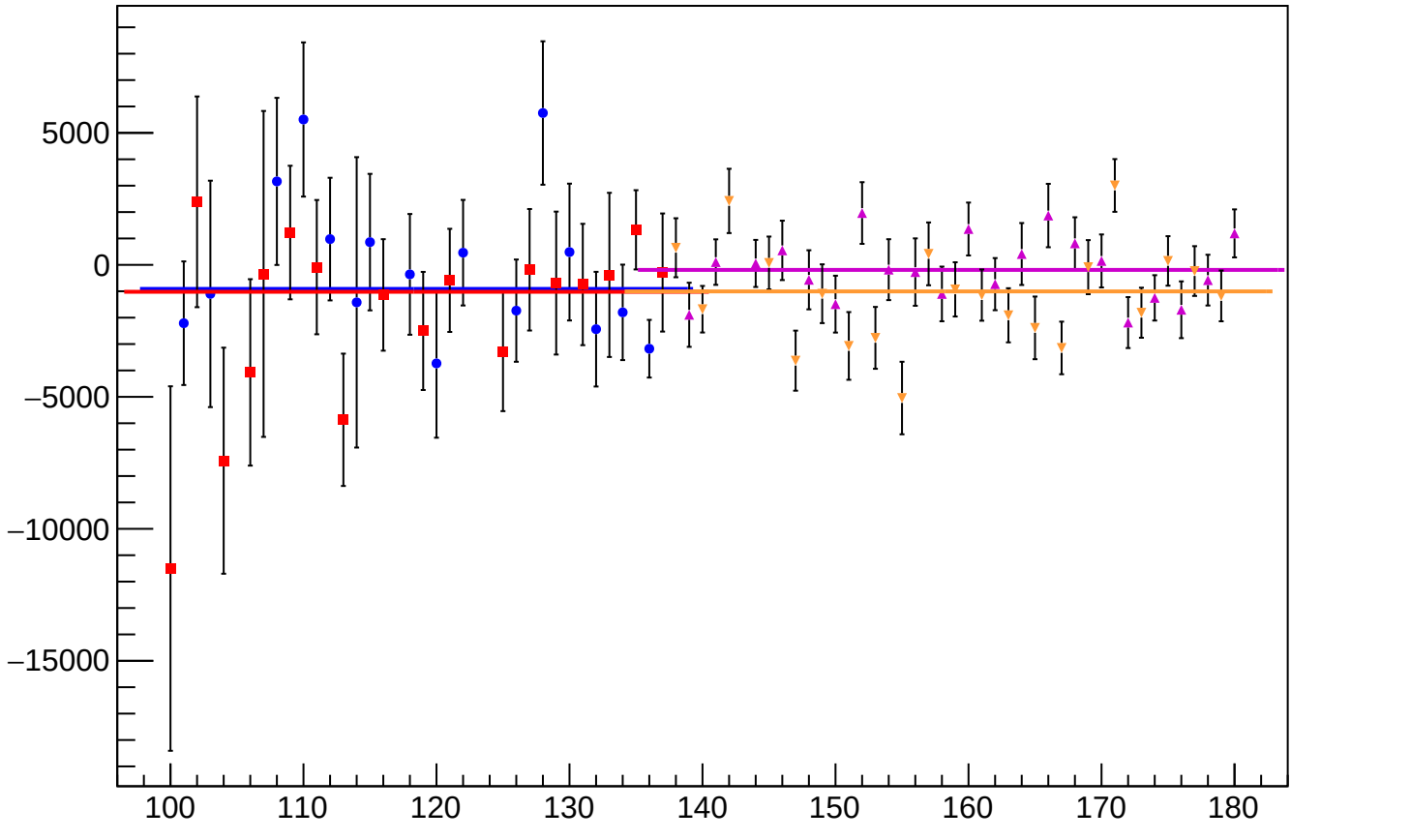
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1735.315+/-0.295 χ^2/NDF:2107.0/20

+ sign 1767.870+/-0.258 χ^2/NDF: 727036.6/36

All: 1772.395+/-0.181 χ^2/NDF: 1076557.1/75

- 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: -1005.464+/-229.397 χ^2/NDF:58.8/20

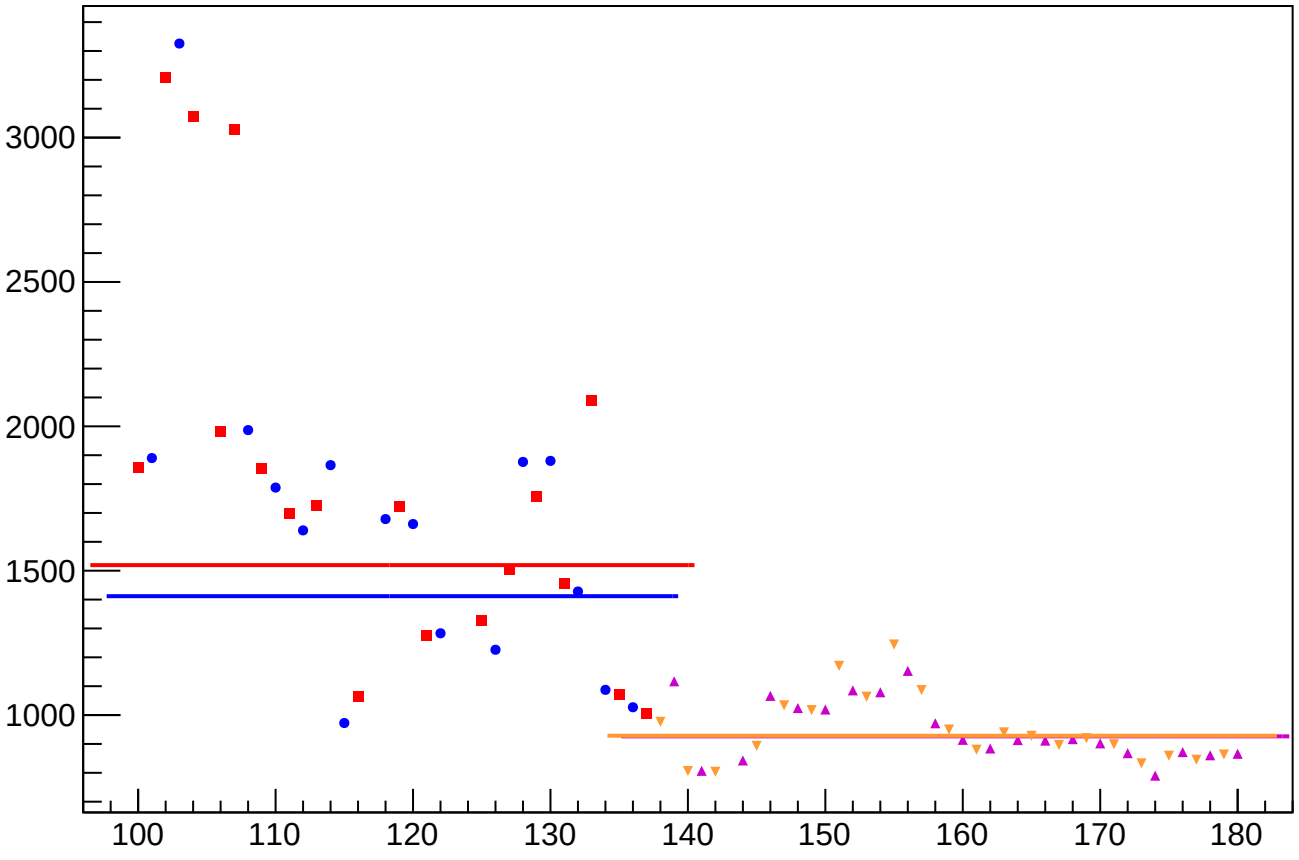
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -190.832+/-224.686 χ^2/NDF:25.6/20

+ sign -991.496+/-211.767 χ^2/NDF: 79.8/36

All: -640.595+/-149.130 χ^2/NDF: 127.5/75

- sign -295.372+/-210.047 χ^2/NDF: 42.3/38



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 928.431+/-0.162 χ^2/NDF:400396.0/20

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

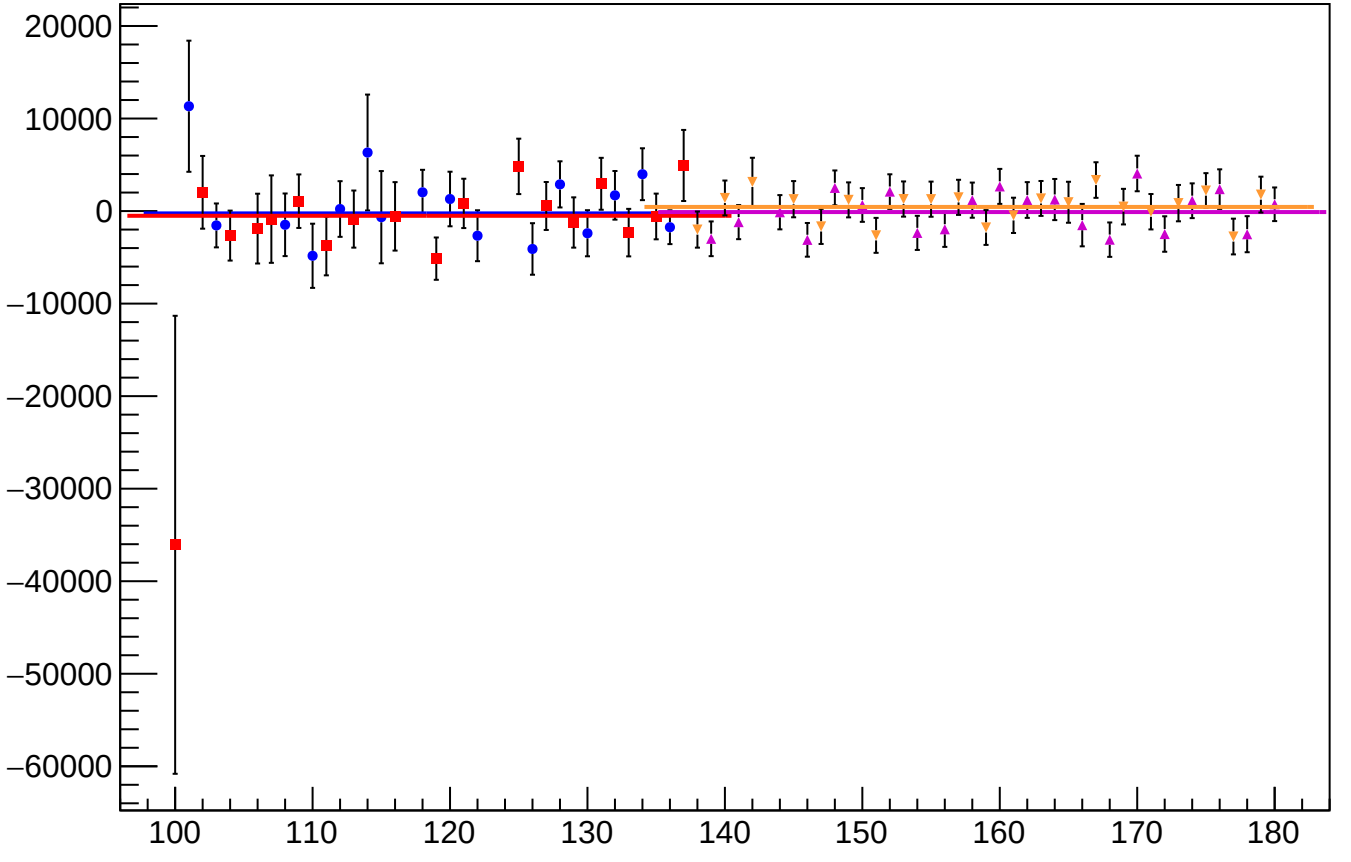
Left In: 926.282+/-0.159 χ^2/NDF:392123.0/20

+ sign 999.865+/-0.150 χ^2/NDF: 2890312.1/36

All: 1000.457+/-0.105 χ^2/NDF: 6398911.6/75

- 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: 446.710+/-424.403 χ^2/NDF:16.2/20

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

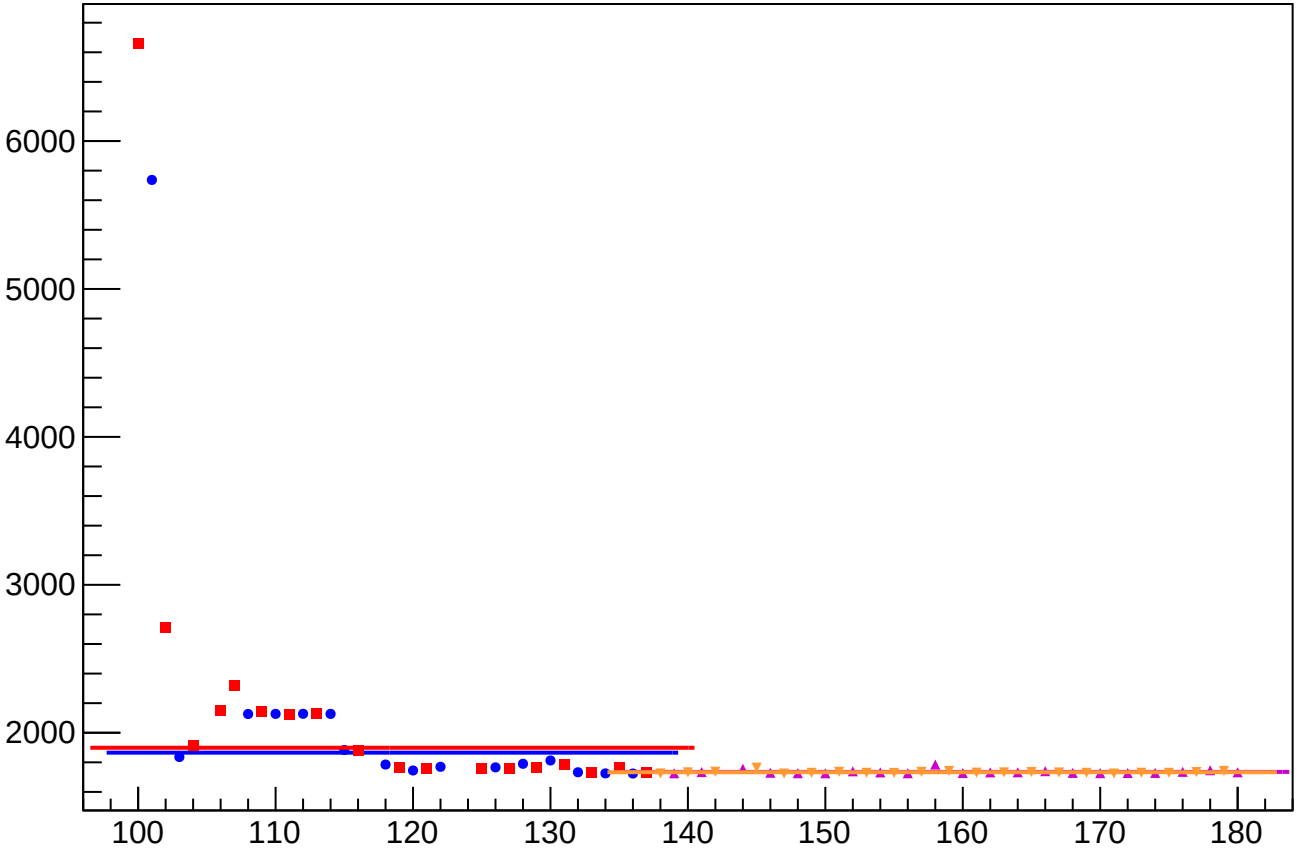
Left In: -107.773+/-417.758 χ^2/NDF:27.5/20

+ sign 262.760+/-364.280 χ^2/NDF: 32.6/36

All: 24.046+/-256.331 χ^2/NDF: 77.6/75

- 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: 1733.006+/-0.300 χ^2/NDF:777.3/20

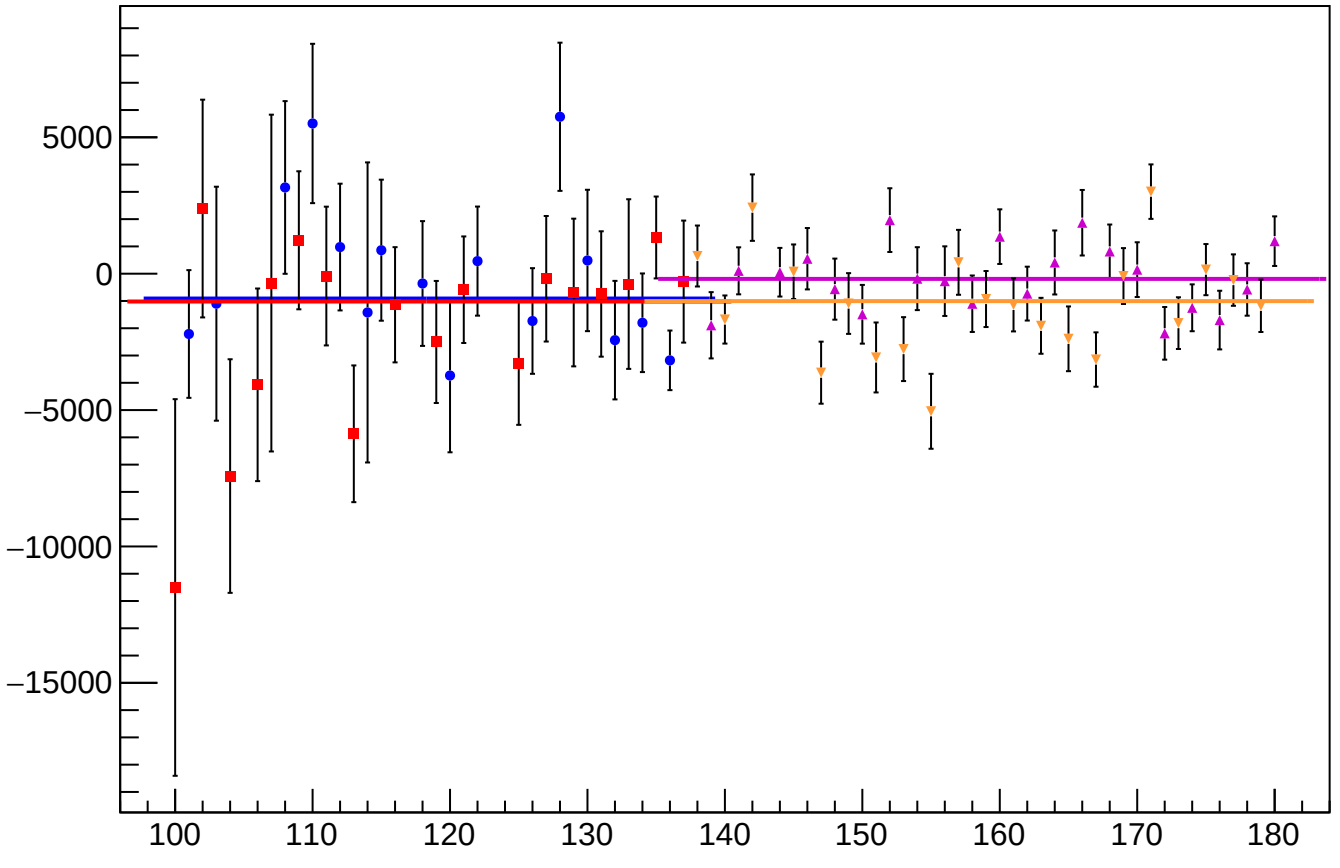
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1735.315+/-0.295 χ^2/NDF:2107.0/20

+ sign 1767.870+/-0.258 χ^2/NDF: 727036.5/36

All: 1772.395+/-0.181 χ^2/NDF: 1076556.7/75

- 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: -1005.464+/-229.397 χ^2/NDF:58.8/20

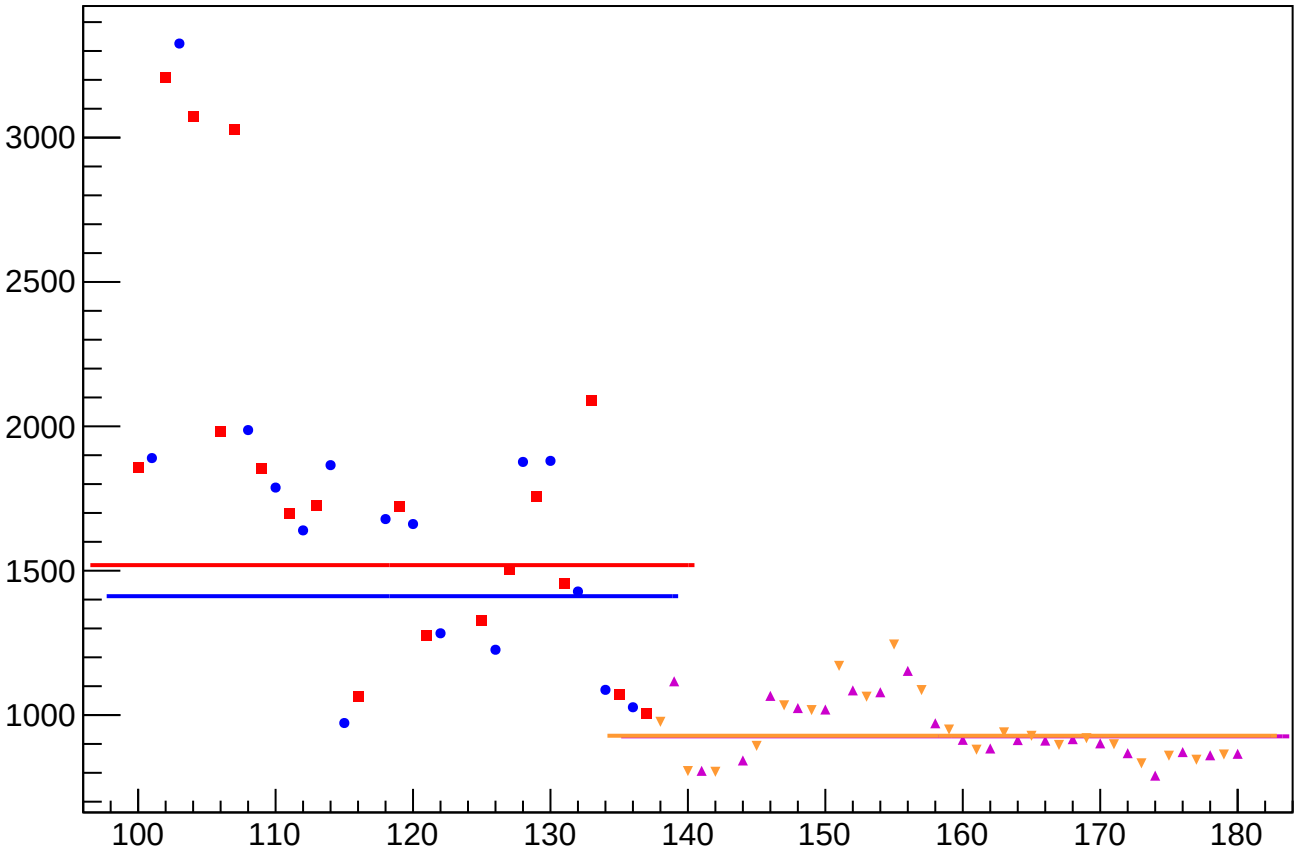
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -190.830+/-224.686 χ^2/NDF:25.6/20

+ sign -991.495+/-211.767 χ^2/NDF: 79.8/36

All: -640.593+/-149.130 χ^2/NDF: 127.5/75

- 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: 928.431+/-0.162 χ^2/NDF:400404.5/20

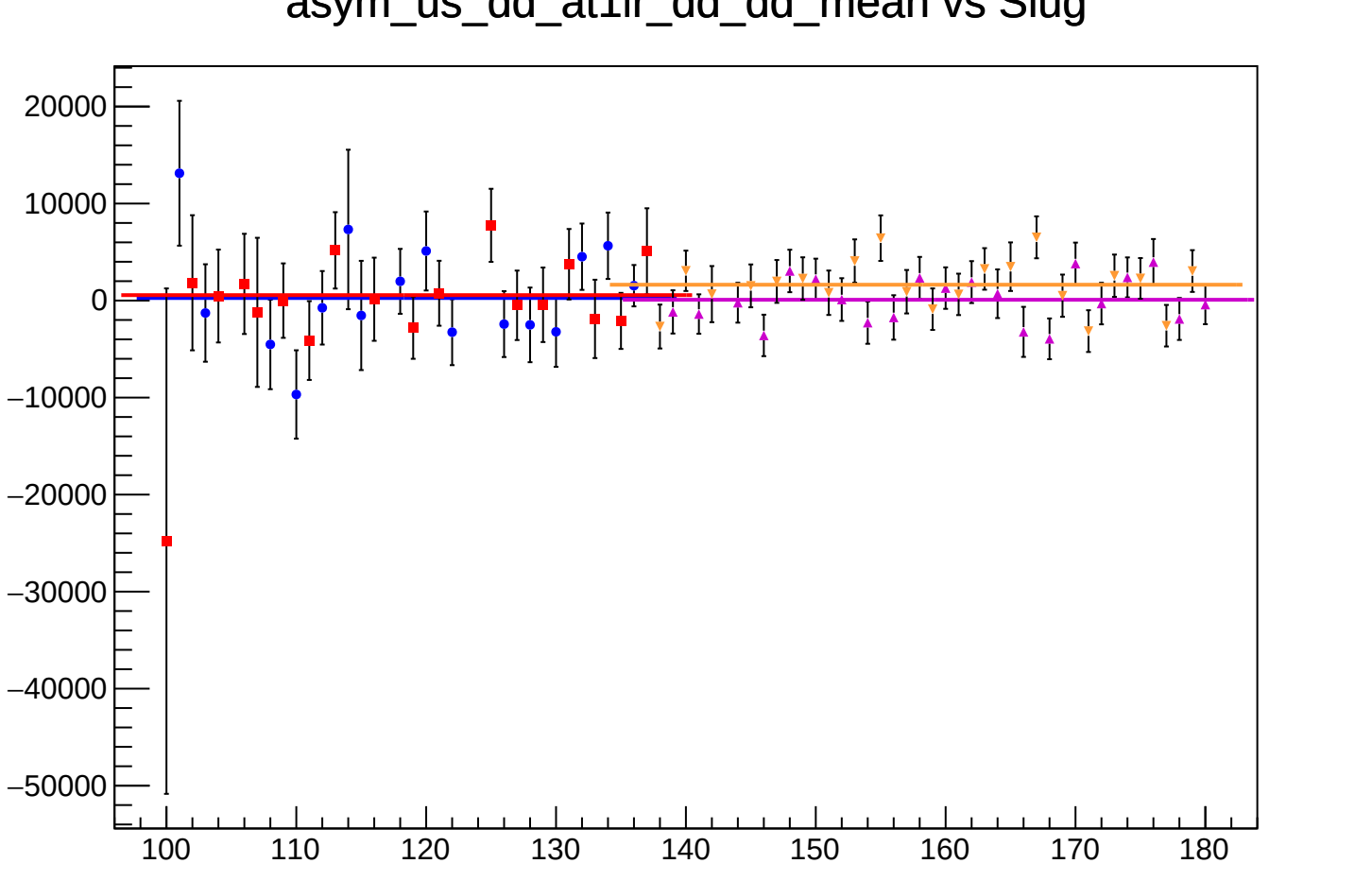
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 926.282+/-0.159 χ^2/NDF:392131.6/20

+ sign 999.865+/-0.150 χ^2/NDF: 2890310.3/36

All: 1000.456+/-0.105 χ^2/NDF: 6398913.3/75

- 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: 1632.731+/-484.122 χ^2/NDF:27.6/20

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

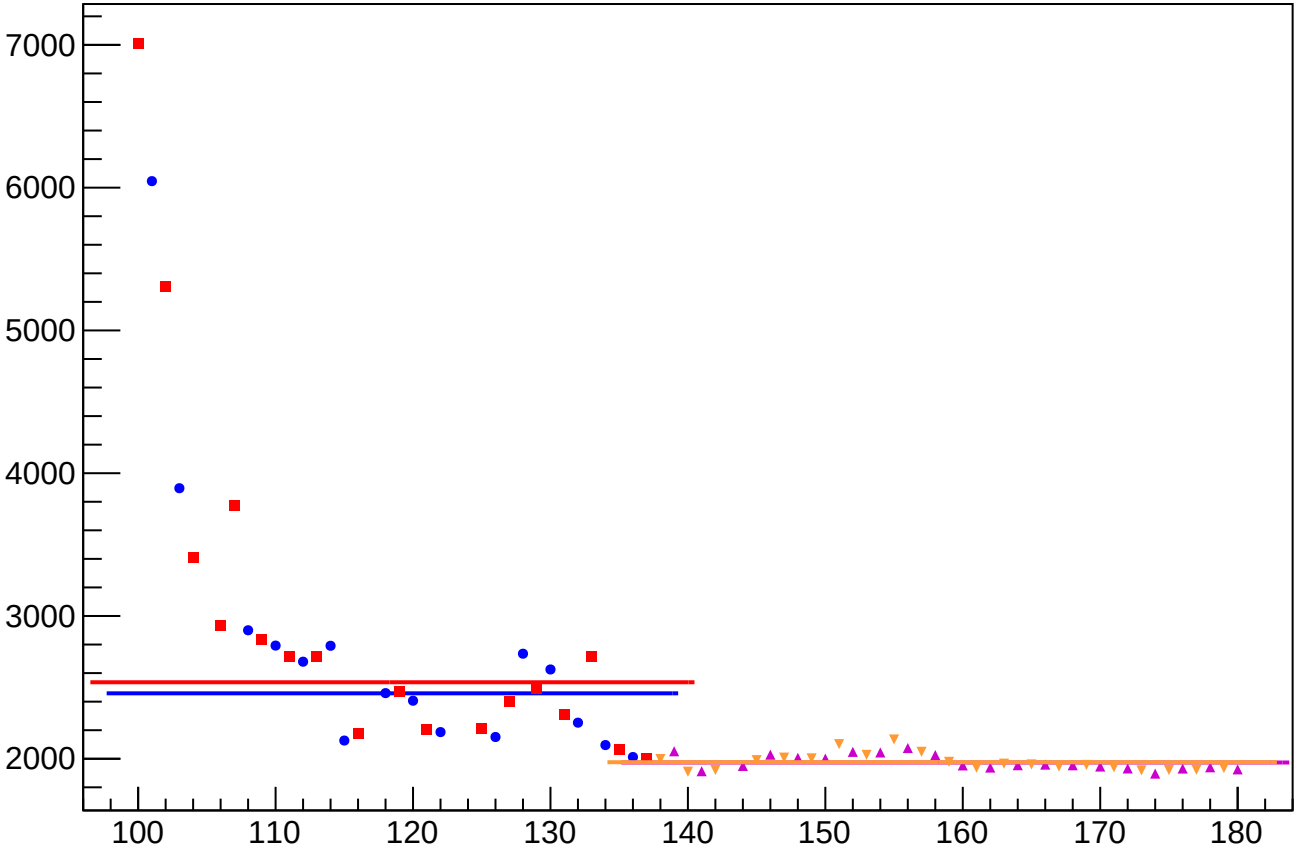
Left In: 82.383+/-475.366 χ^2/NDF:23.8/20

+ sign 1346.820+/-430.584 χ^2/NDF: 48.3/36

All: 755.577+/-302.927 χ^2/NDF: 87.8/75

- 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: 1975.745+/-0.342 χ^2/NDF:28798.7/20

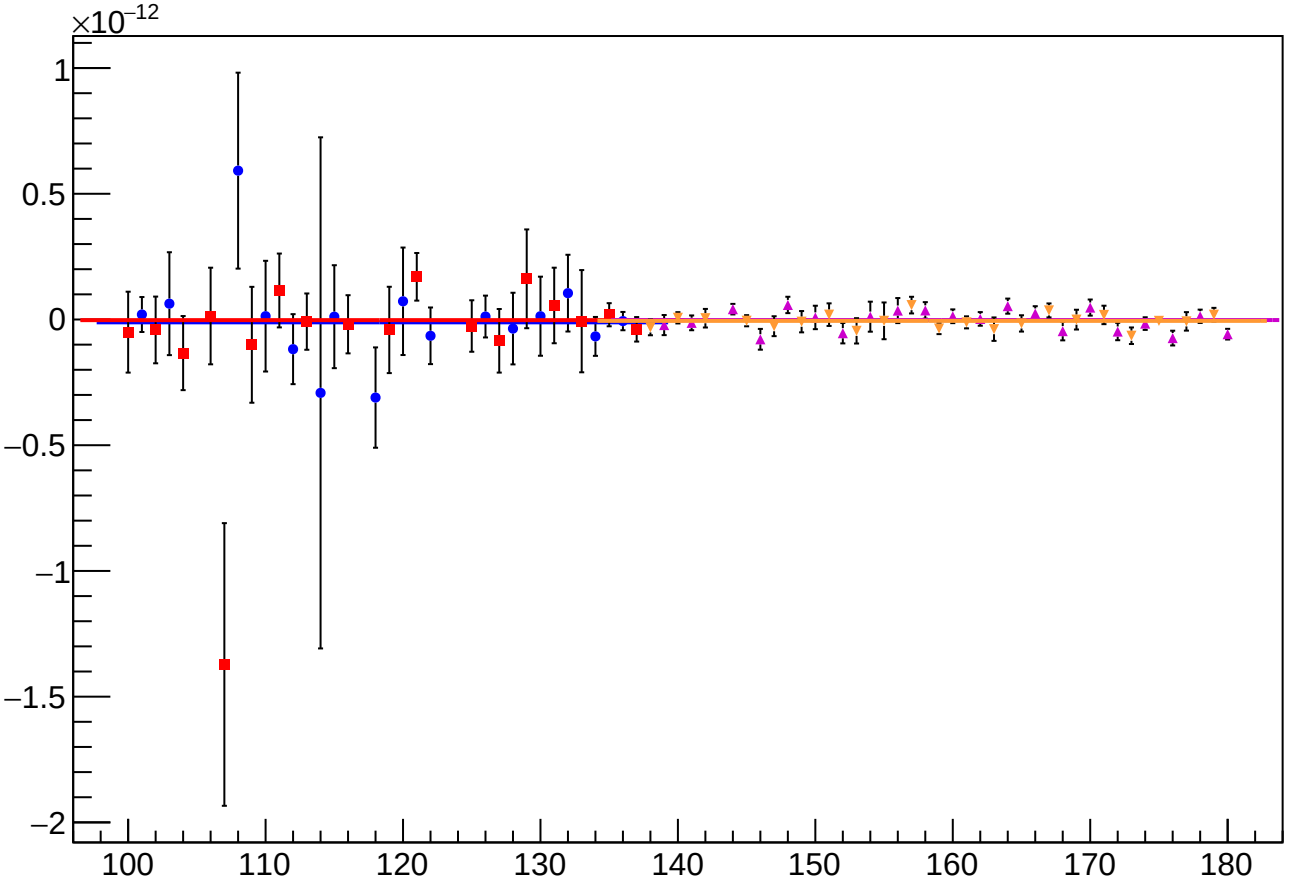
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1973.783+/-0.336 χ^2/NDF:23379.8/20

+ sign 2076.579+/-0.304 χ^2/NDF: 1276932.8/36

All: 2080.280+/-0.214 χ^2/NDF: 2521699.2/75

- 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:15.1/20

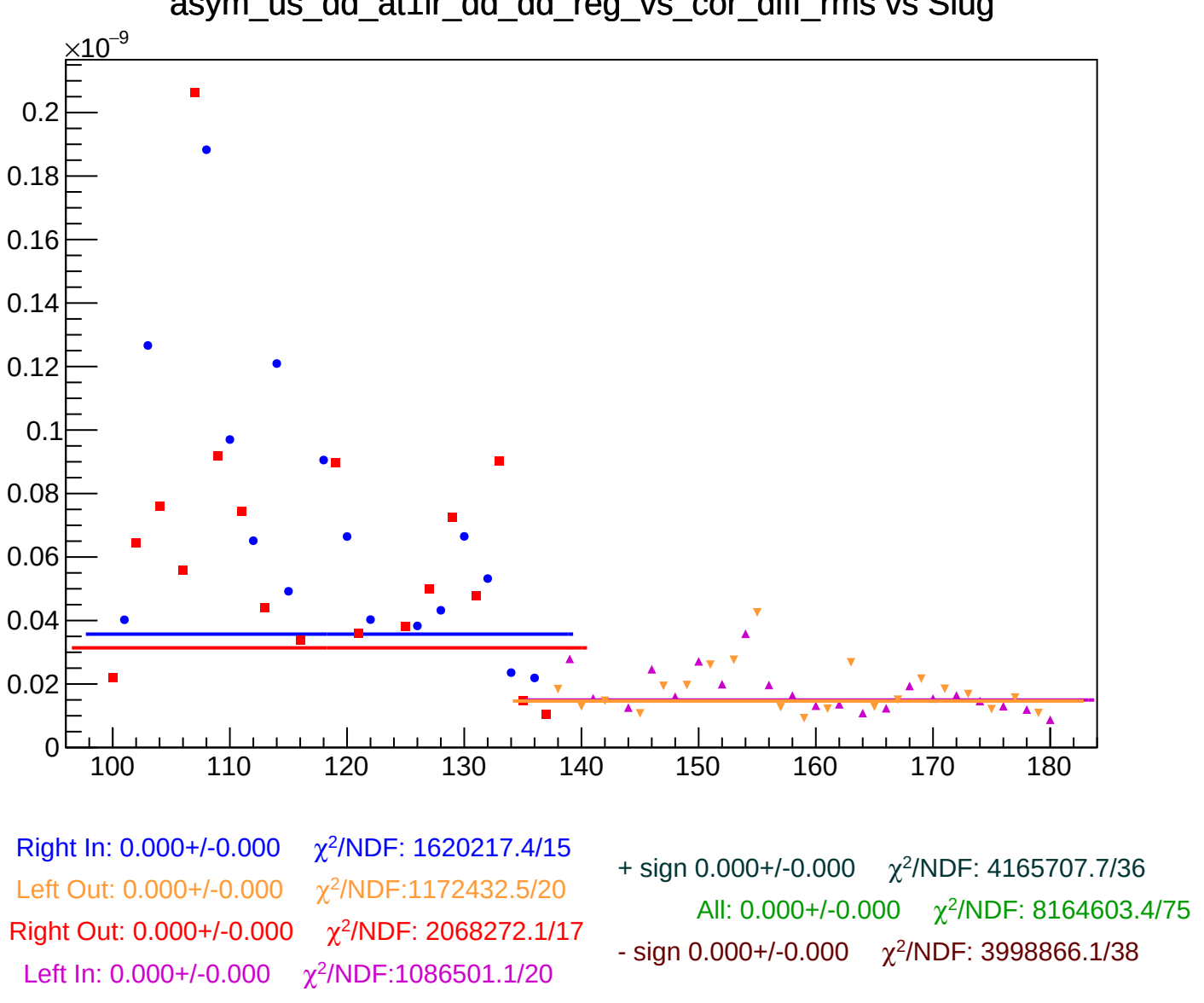
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:38.9/20

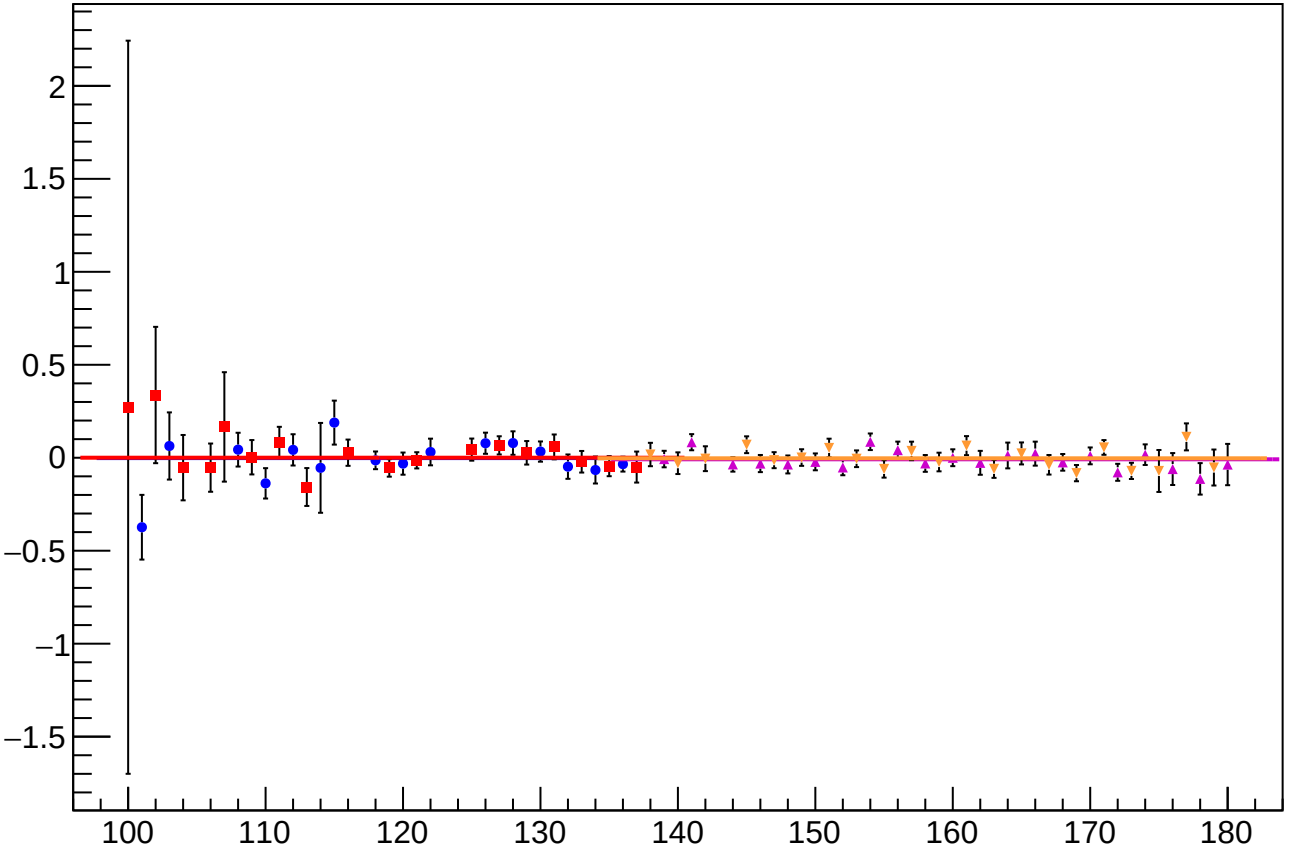
+ sign -0.000+/-0.000 χ^2/NDF: 22.4/36

All: -0.000+/-0.000 χ^2/NDF: 74.7/75

- 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:1172432.5/20
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: 4165707.7/36
All: 0.000+/-0.000 χ²/NDF: 8164603.4/75
- 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:21.4/20

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

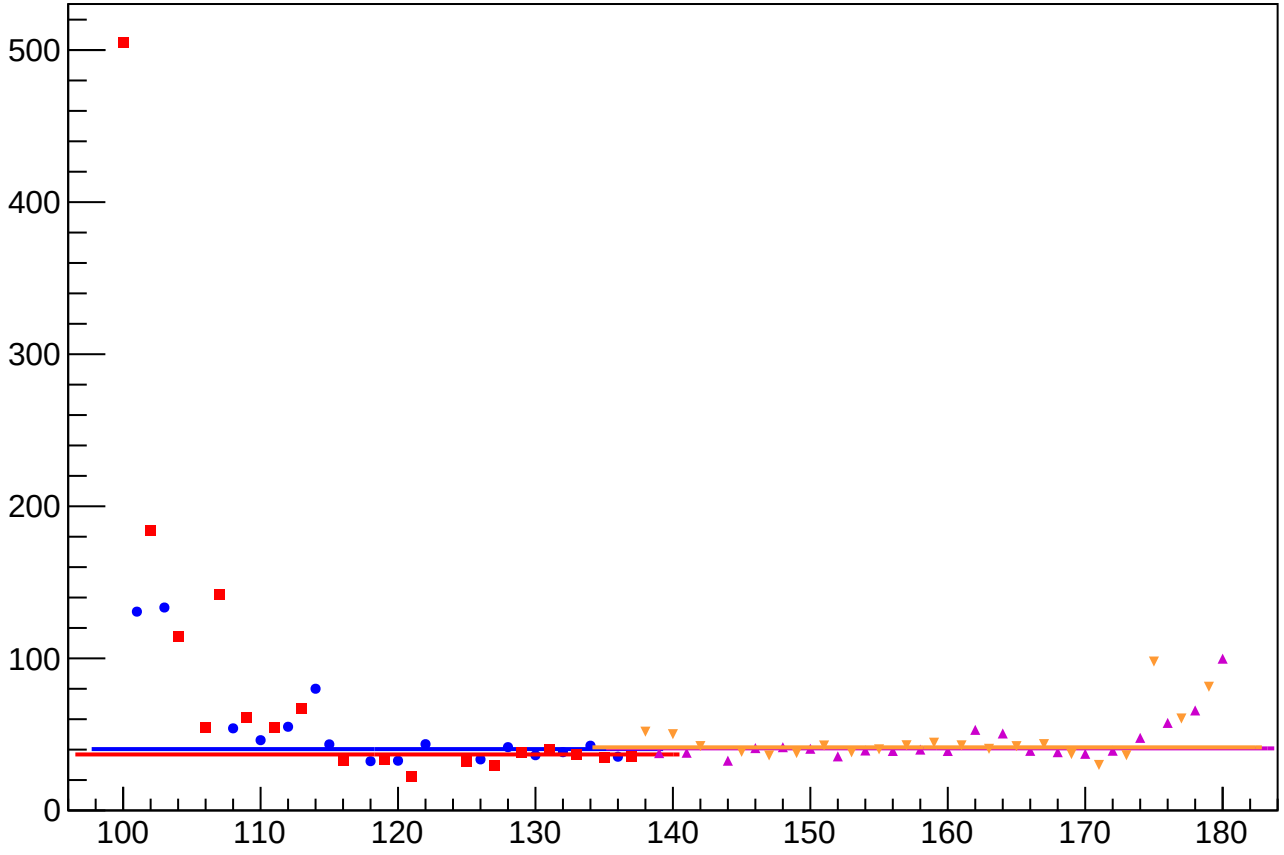
Left In: -0.008+/-0.011 χ^2/NDF:17.9/20

+ sign -0.003+/-0.009 χ^2/NDF: 38.5/36

All: -0.004+/-0.007 χ^2/NDF: 67.5/75

- 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: 41.500+/-0.008 χ^2/NDF:1374864.1/20

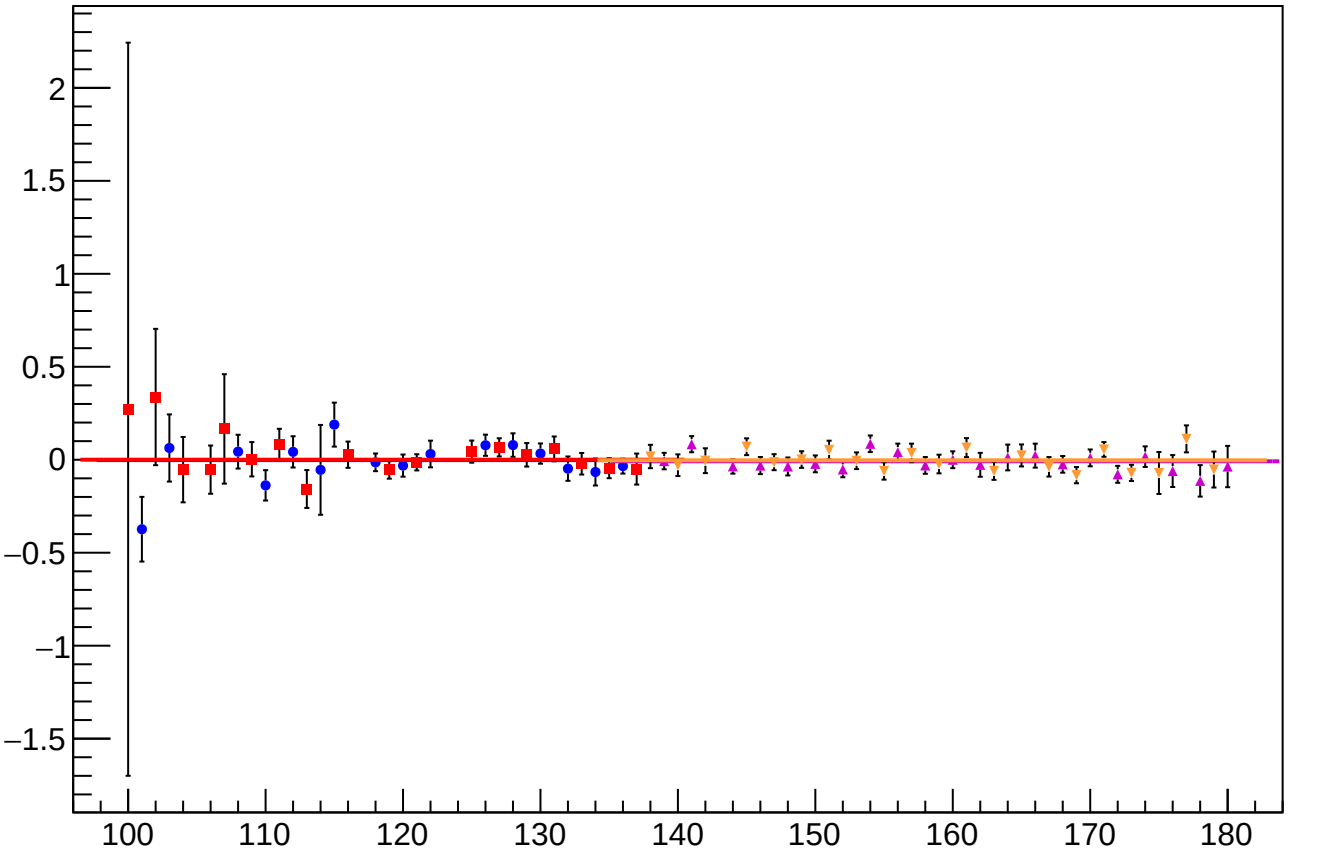
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.811+/-0.008 χ^2/NDF:1124139.6/20

+ sign 41.155+/-0.007 χ^2/NDF: 2791321.6/36

All: 40.366+/-0.005 χ^2/NDF: 5860424.5/75

- 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:21.4/20

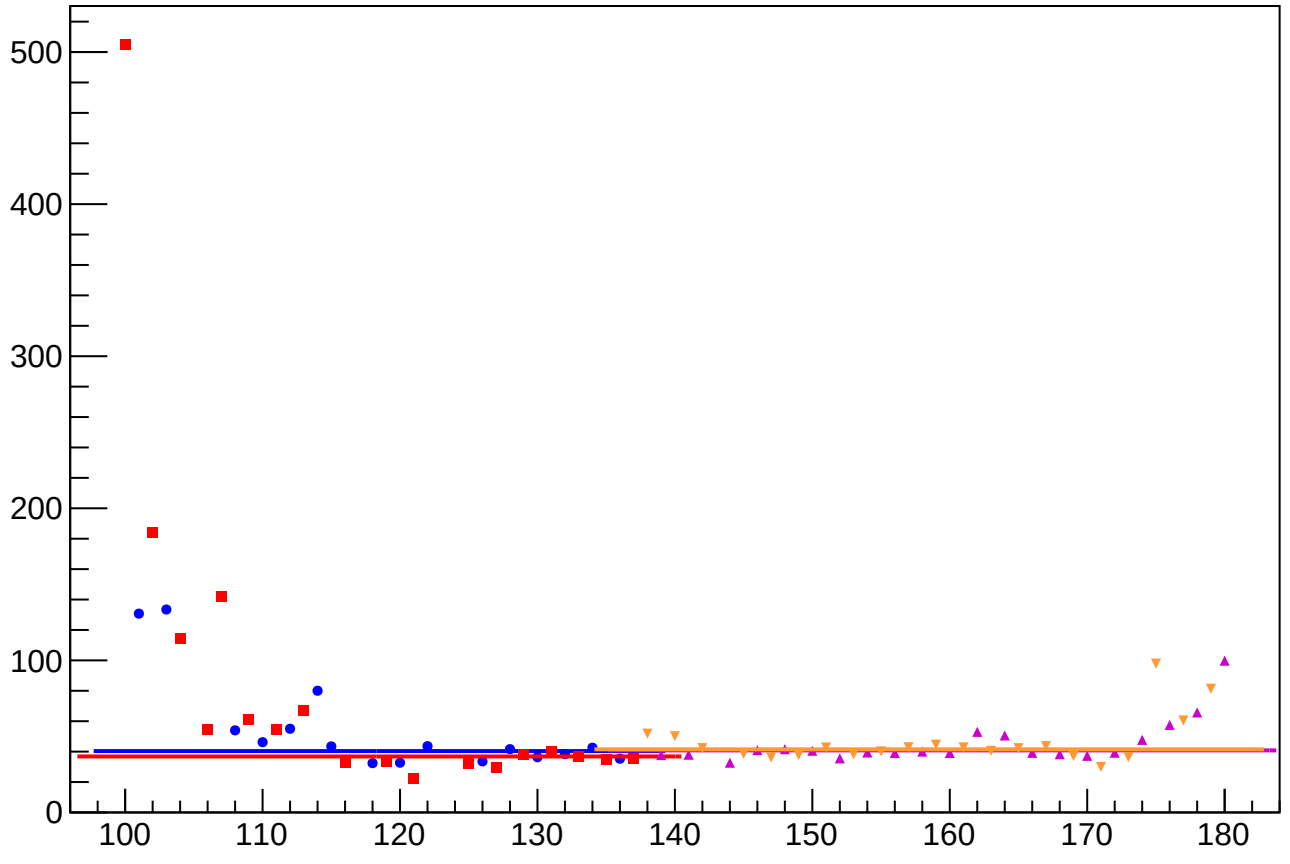
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.9/20

+ sign -0.003+/-0.009 χ^2/NDF: 38.5/36

All: -0.004+/-0.007 χ^2/NDF: 67.5/75

- 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: 41.500+/-0.008 χ^2/NDF:1374864.1/20

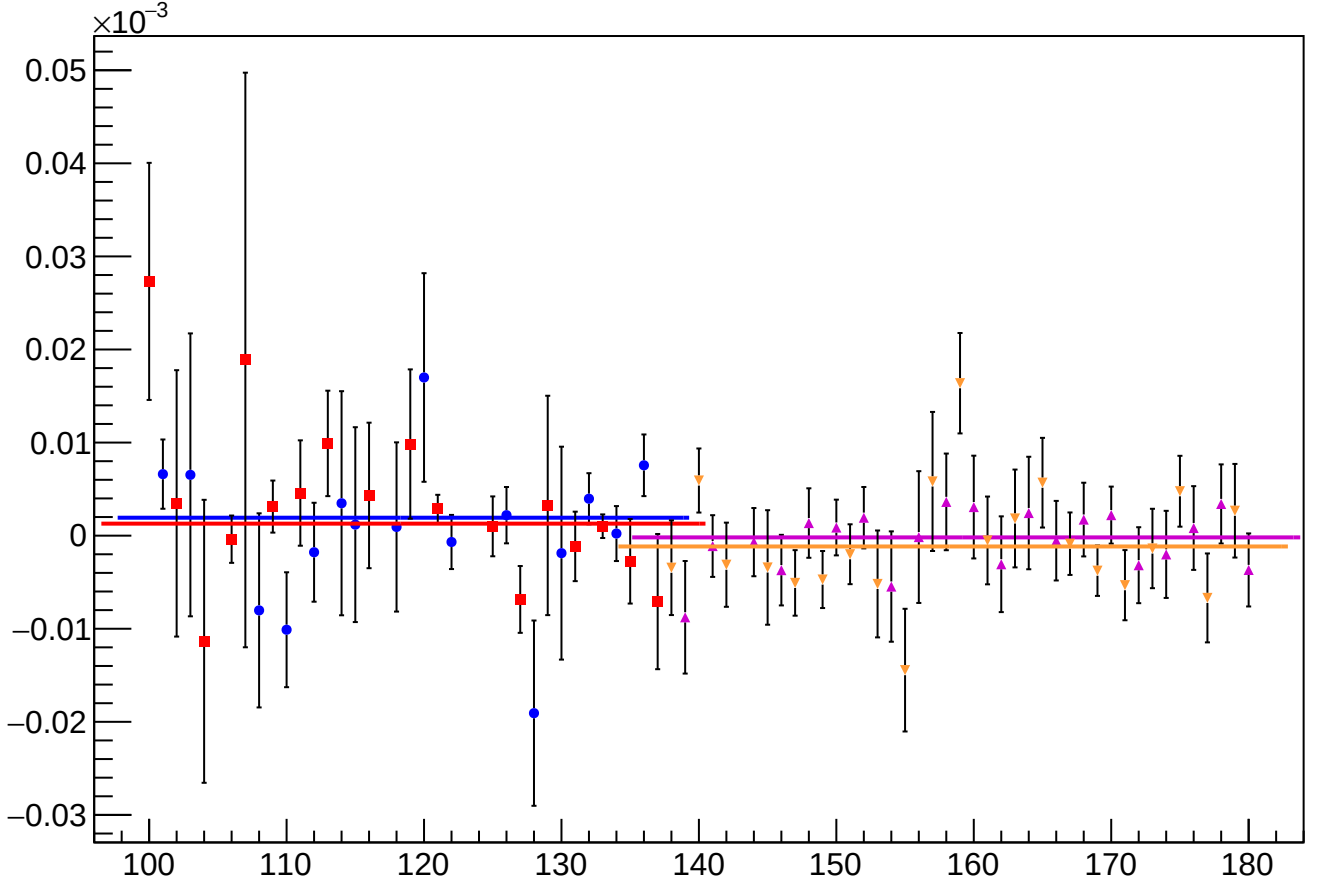
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.811+/-0.008 χ^2/NDF:1124139.6/20

+ sign 41.155+/-0.007 χ^2/NDF: 2791321.6/36

All: 40.366+/-0.005 χ^2/NDF: 5860424.5/75

- 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:32.3/20

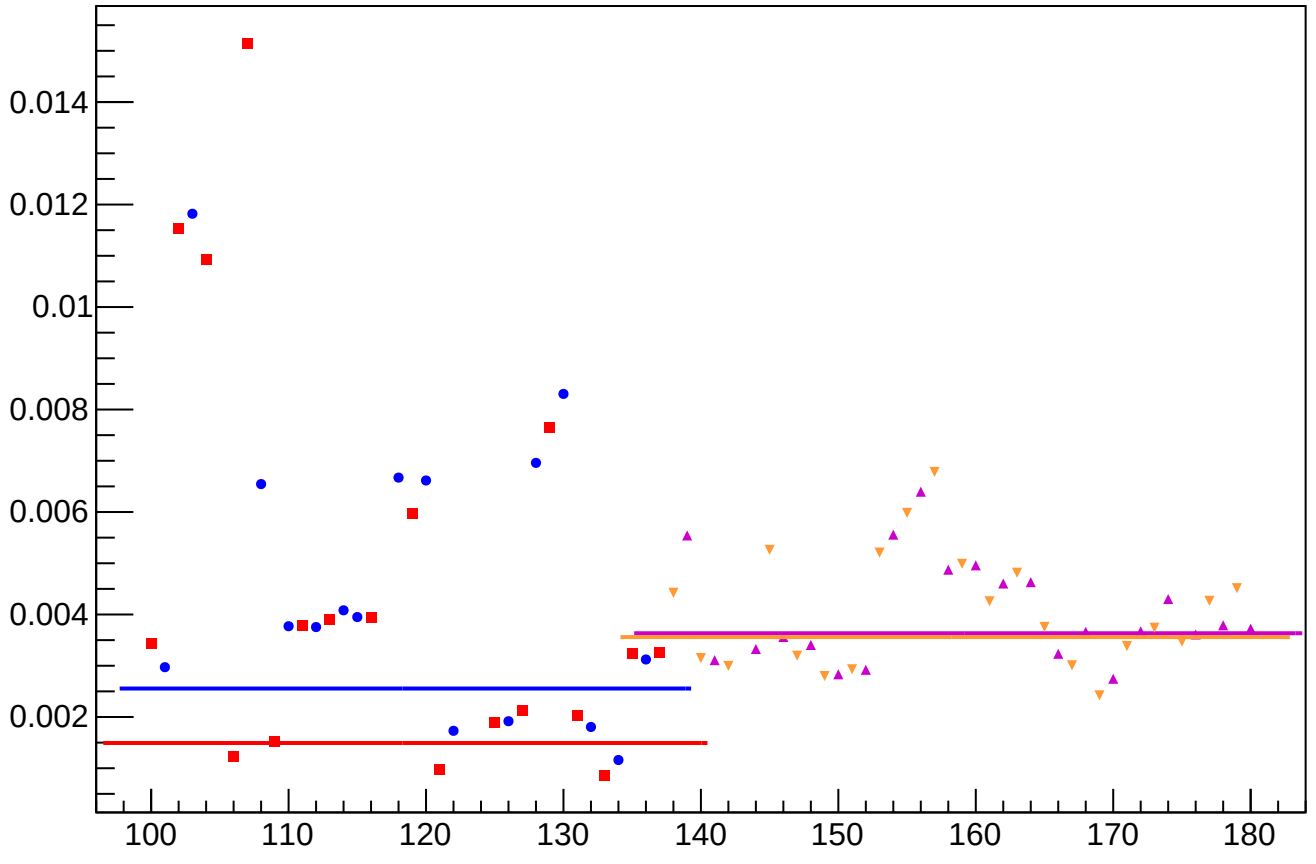
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:9.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 54.6/36

All: 0.000+/-0.000 χ^2/NDF: 84.6/75

- 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:2131090.4/20

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

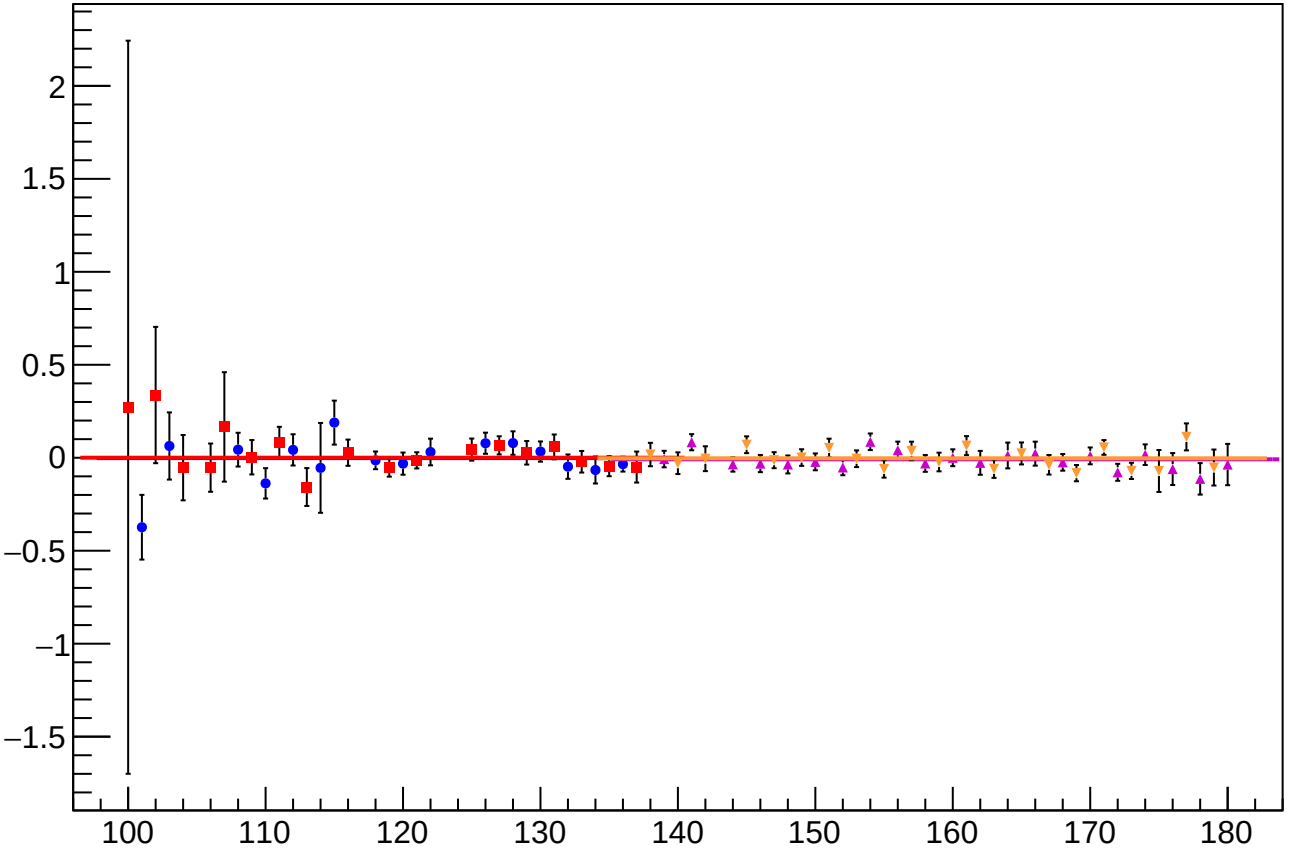
Left In: 0.004+/-0.000 χ^2/NDF:1609356.0/20

+ sign 0.003+/-0.000 χ^2/NDF: 6861039.2/36

All: 0.003+/-0.000 χ^2/NDF: 22201833.6/75

- sign 0.002+/-0.000 χ^2/NDF: 13802105.6/38

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/20

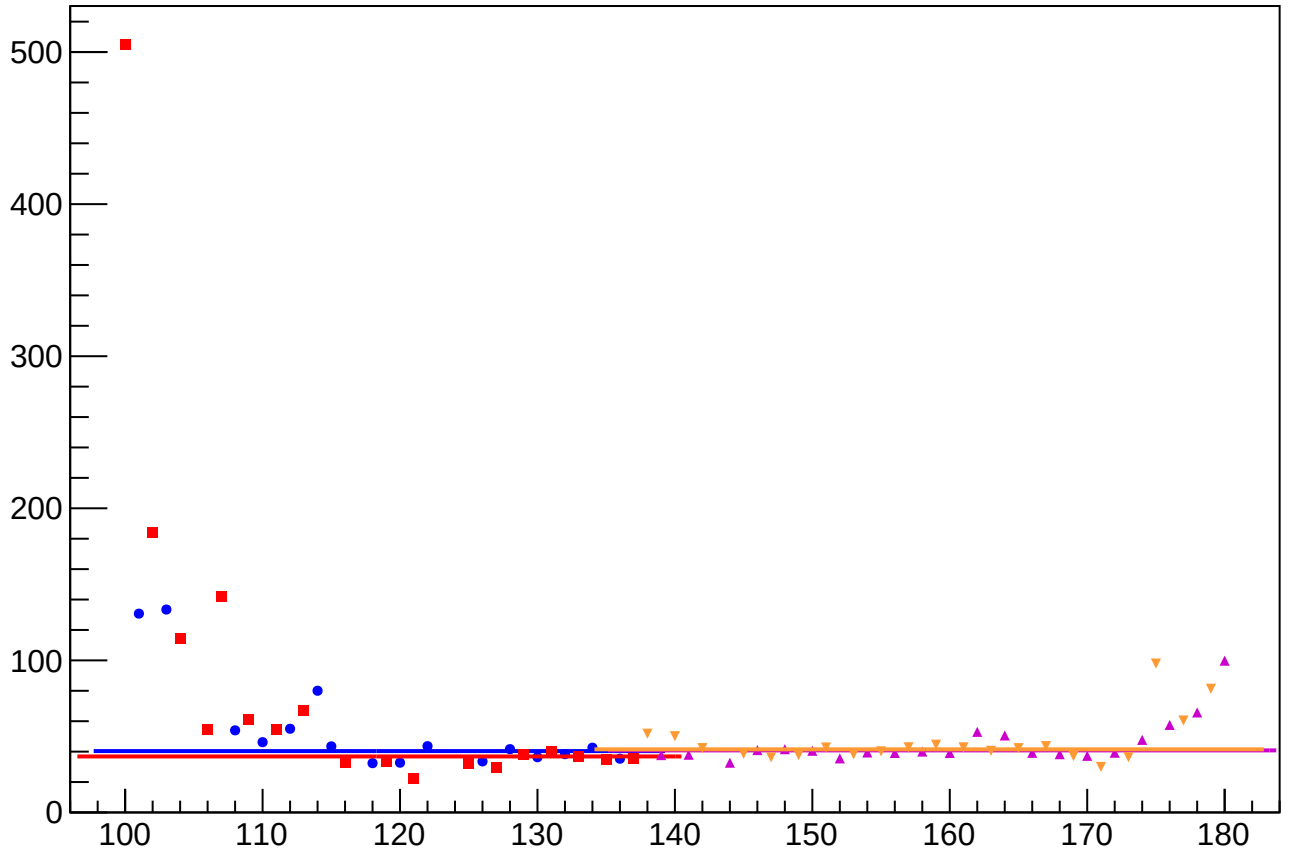
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.9/20

+ sign -0.003+/-0.009 χ^2/NDF: 38.5/36

All: -0.004+/-0.007 χ^2/NDF: 67.5/75

- 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: 41.499+/-0.008 χ^2/NDF:1374899.7/20

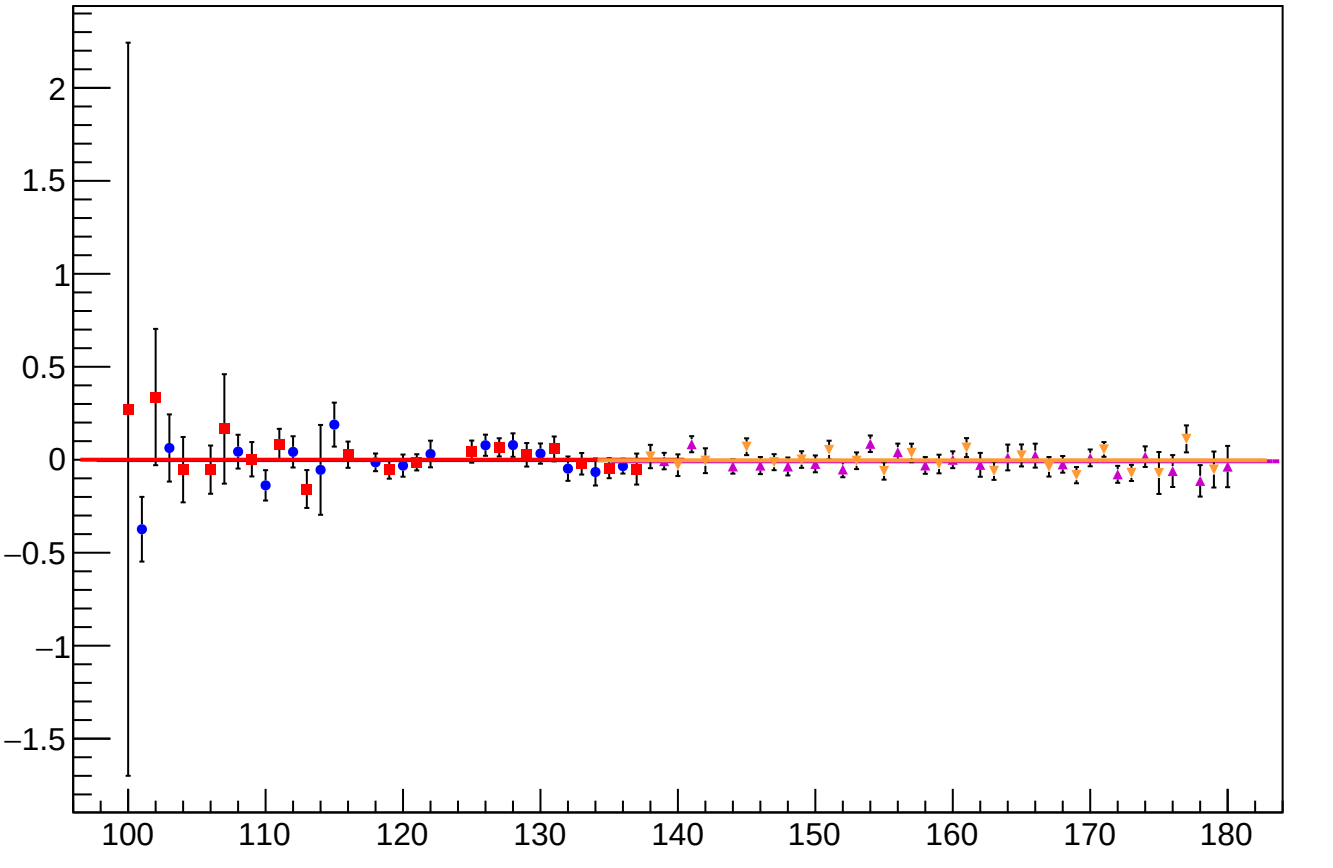
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 40.811+/-0.008 χ^2/NDF:1124069.6/20

\+ sign 41.155+/-0.007 χ^2/NDF: 2791248.2/36

All: 40.366+/-0.005 χ^2/NDF: 5860321.2/75

\- 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:21.4/20

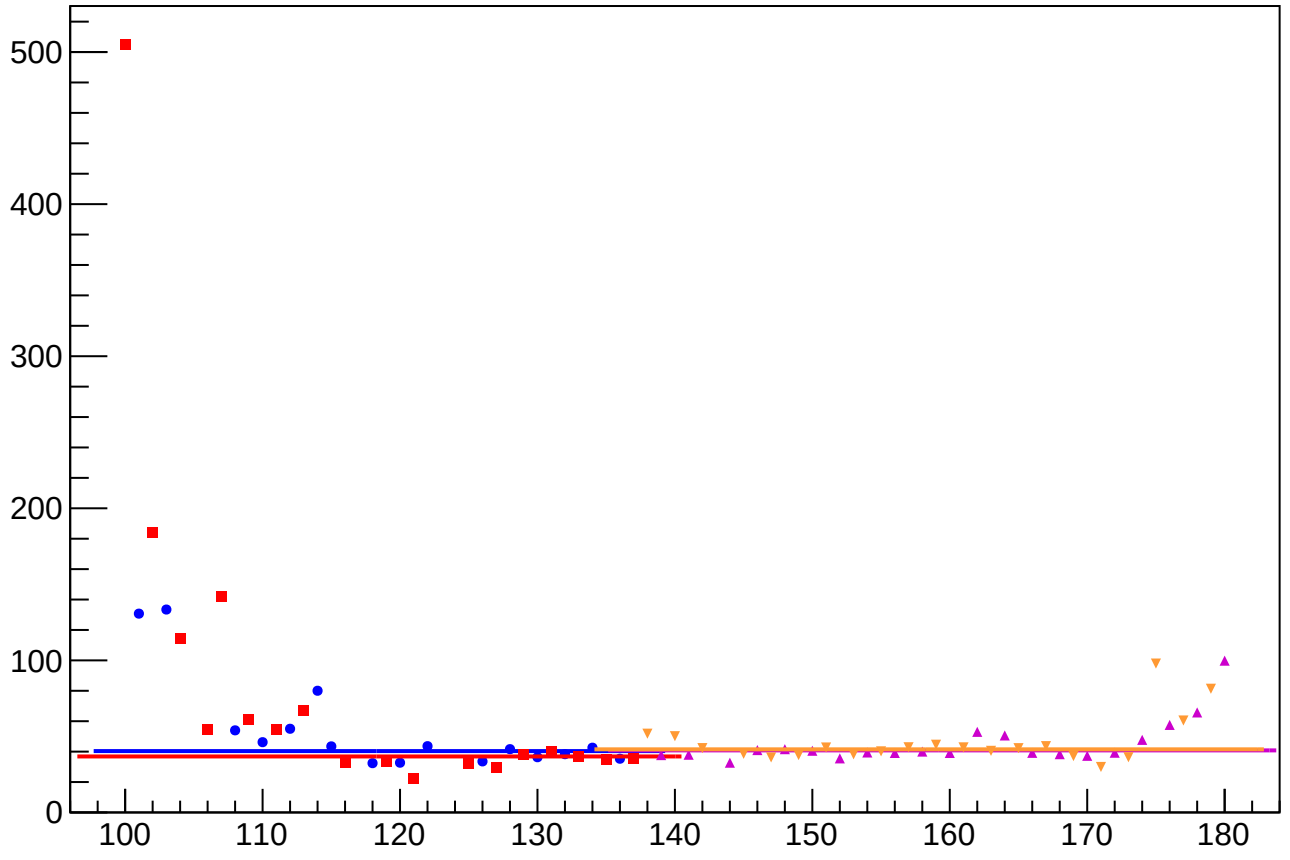
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.008+/-0.011 χ^2/NDF:17.9/20

+ sign -0.003+/-0.009 χ^2/NDF: 38.5/36

All: -0.004+/-0.007 χ^2/NDF: 67.5/75

- 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: 41.499+/-0.008 χ^2/NDF:1374899.7/20

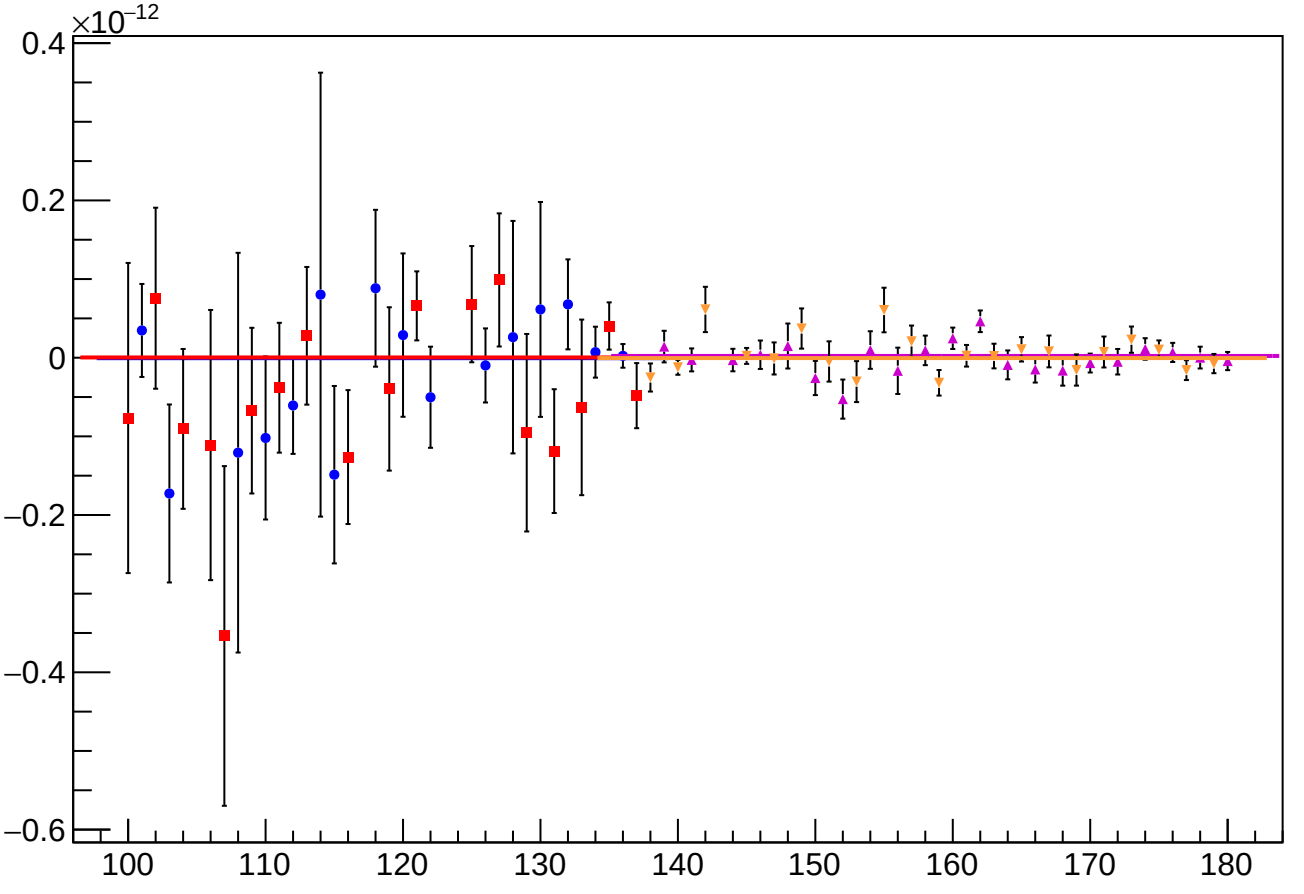
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 40.811+/-0.008 χ^2/NDF:1124069.6/20

\+ sign 41.155+/-0.007 χ^2/NDF: 2791248.2/36

All: 40.366+/-0.005 χ^2/NDF: 5860321.2/75

\- 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:27.2/20

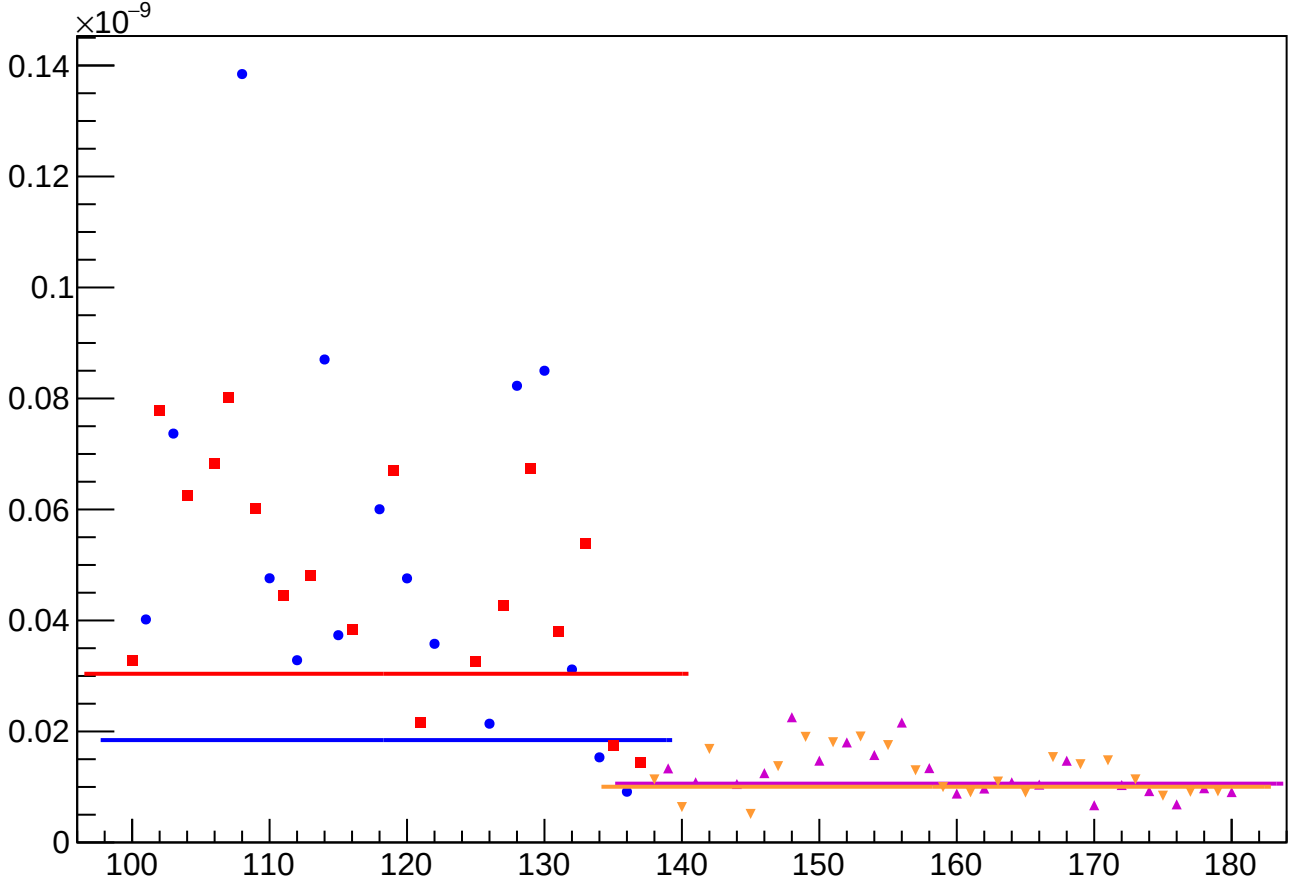
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:25.0/20

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/36

All: 0.000+/-0.000 χ^2/NDF: 80.8/75

- 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:2259134.7/20

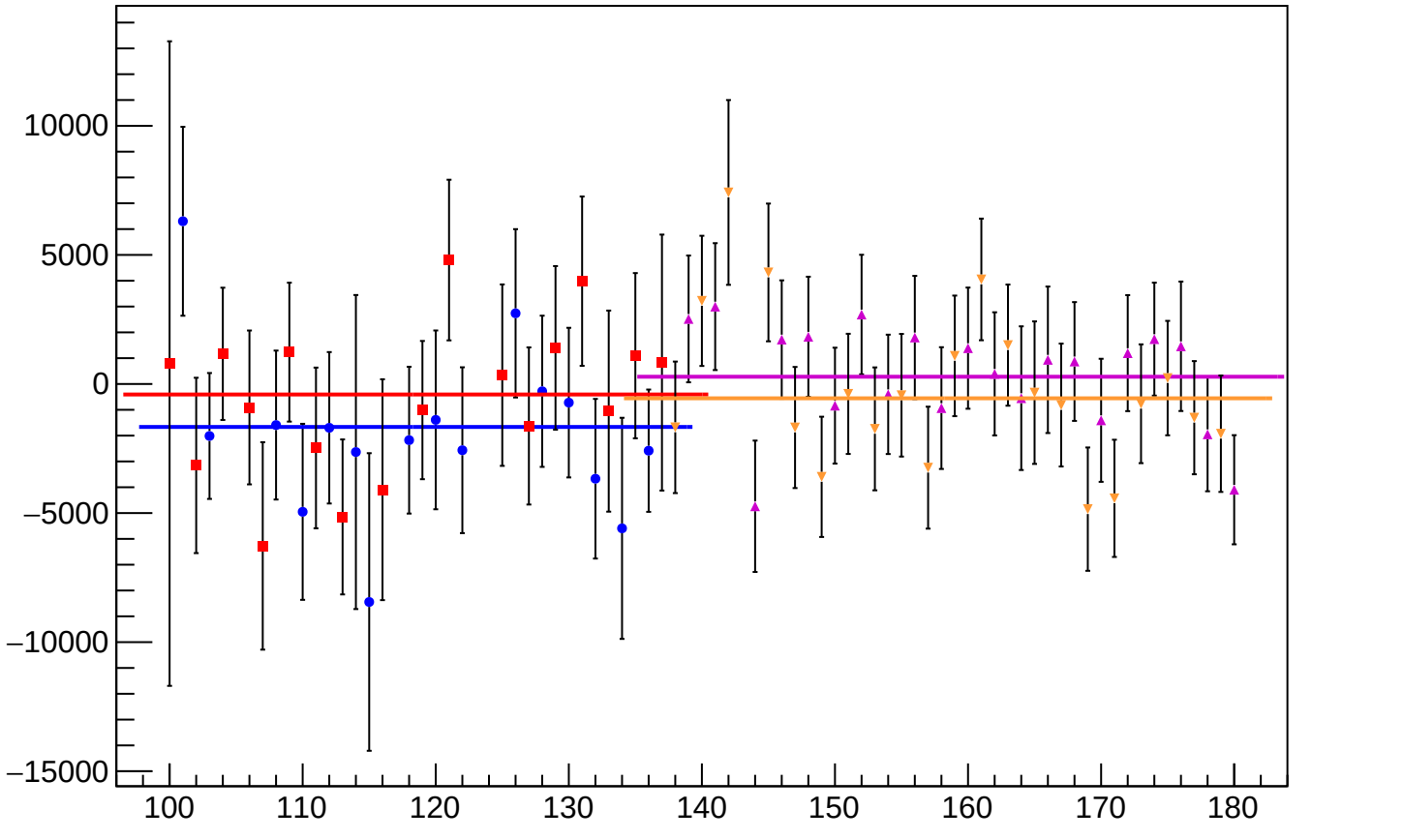
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1674040.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 7253948.2/36

All: 0.000+/-0.000 χ^2/NDF: 14129627.5/75

- 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: -554.561+/-524.635 χ^2/NDF:26.1/20

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

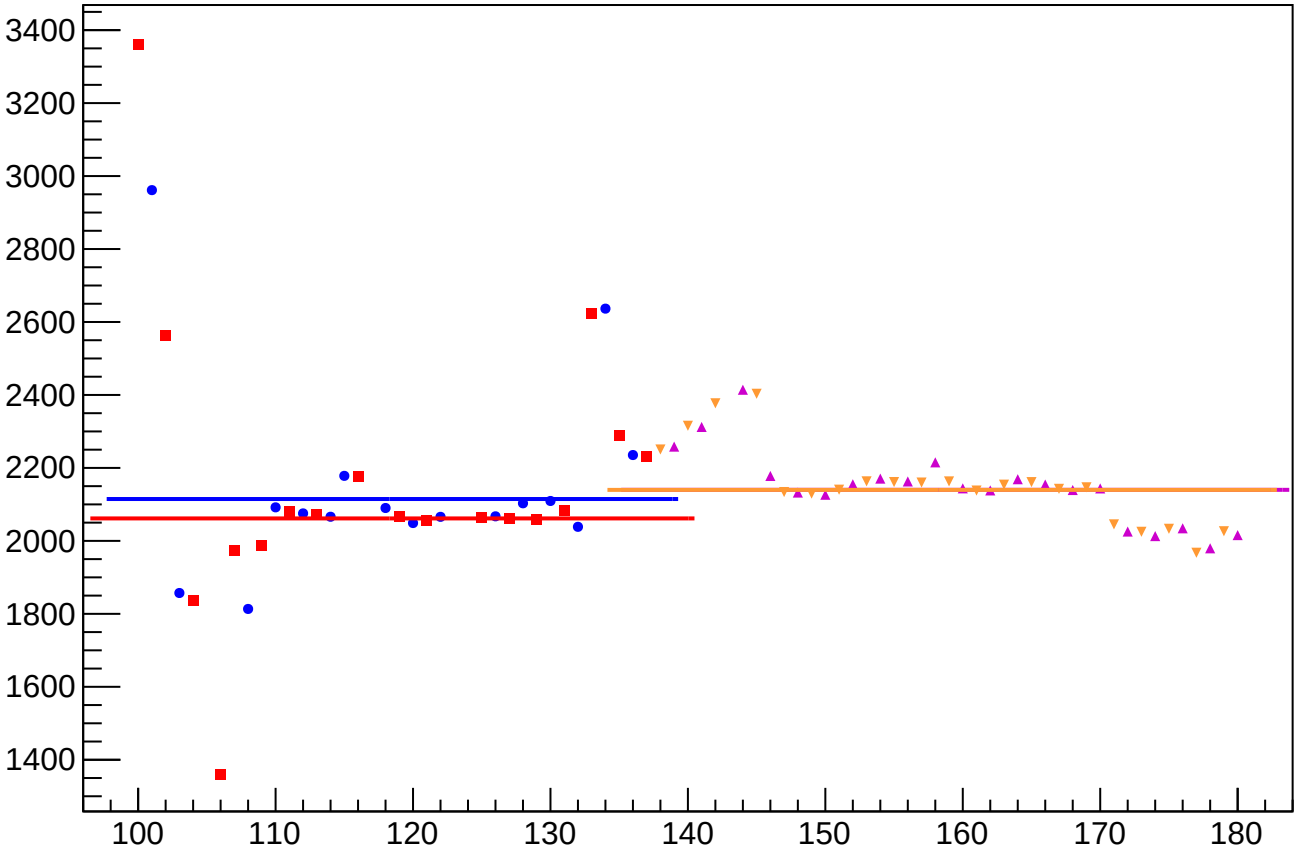
Left In: 281.086+/-515.735 χ^2/NDF:15.9/20

+ sign -892.908+/-437.406 χ^2/NDF: 38.2/36

All: -402.537+/-306.540 χ^2/NDF: 69.9/75

- 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: 2139.798+/-0.371 χ^2/NDF:73251.8/20

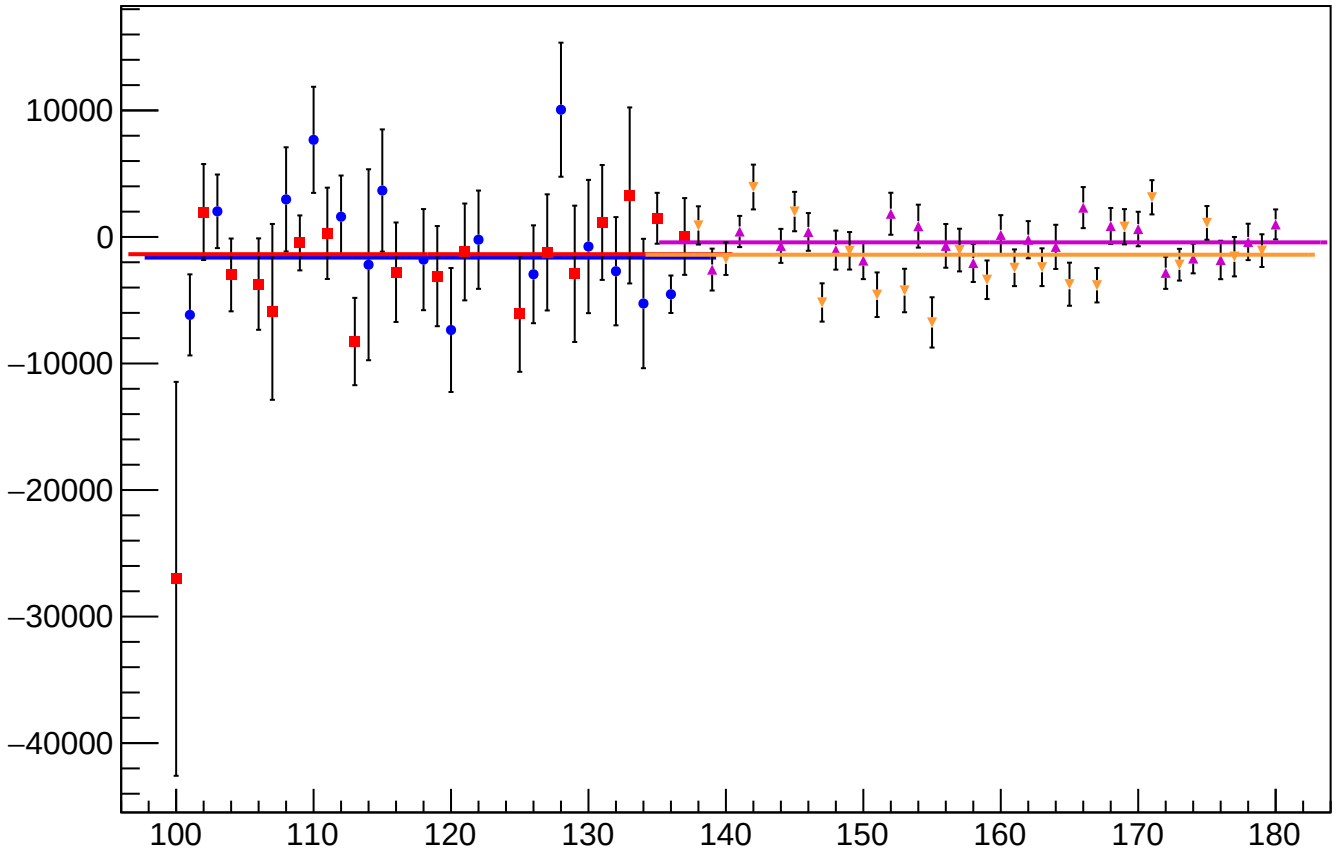
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2139.930+/-0.365 χ^2/NDF:74218.8/20

+ sign 2132.162+/-0.309 χ^2/NDF: 264561.7/36

All: 2123.922+/-0.217 χ^2/NDF: 603482.1/75

- 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: -1403.042+/-325.343 χ^2/NDF:61.3/20

Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

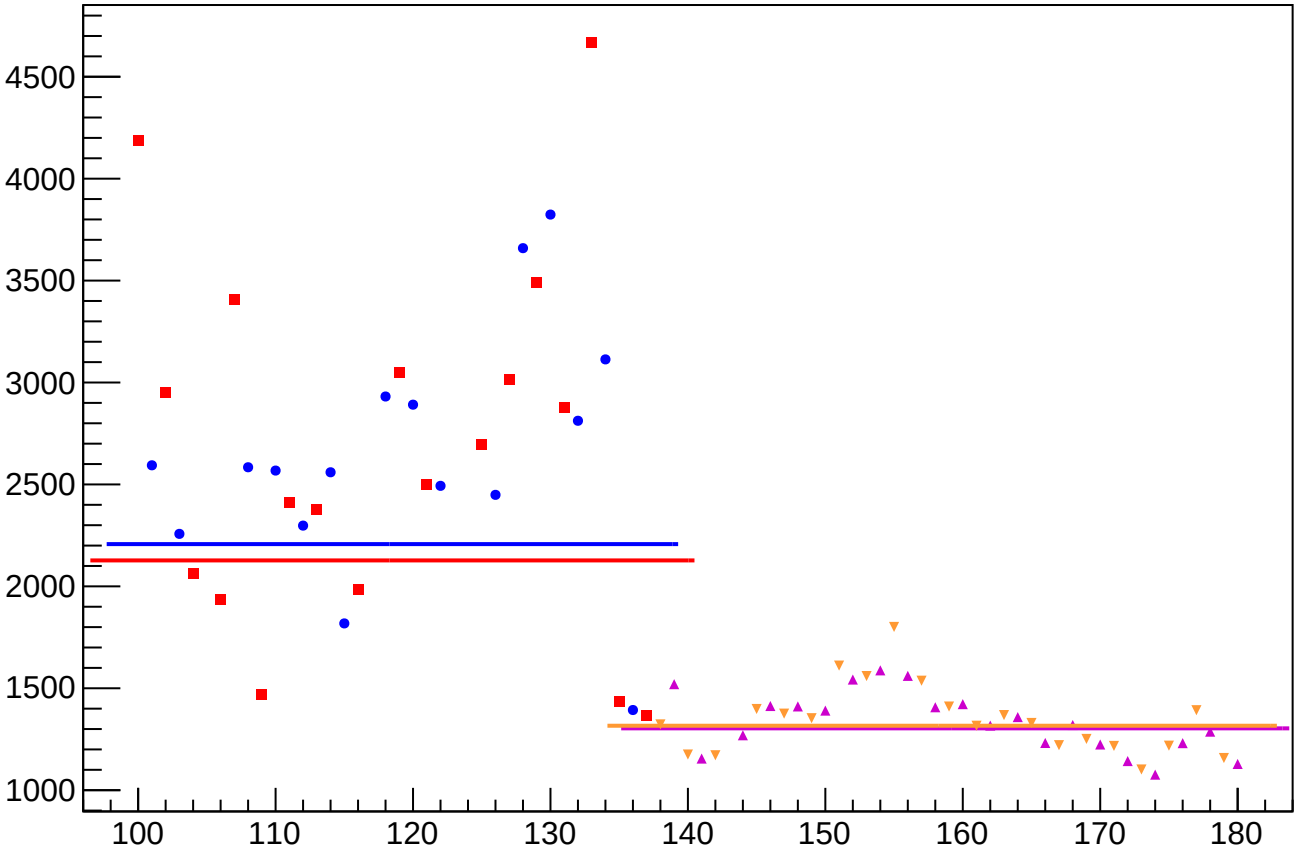
Left In: -426.958+/-316.371 χ^2/NDF:18.8/20

+ sign -1431.377+/-304.403 χ^2/NDF: 84.2/36

All: -974.886+/-212.244 χ^2/NDF: 122.0/75

- sign -542.997+/-296.086 χ^2/NDF: 33.4/38

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1316.224+/-0.230 χ^2/NDF:436302.4/20

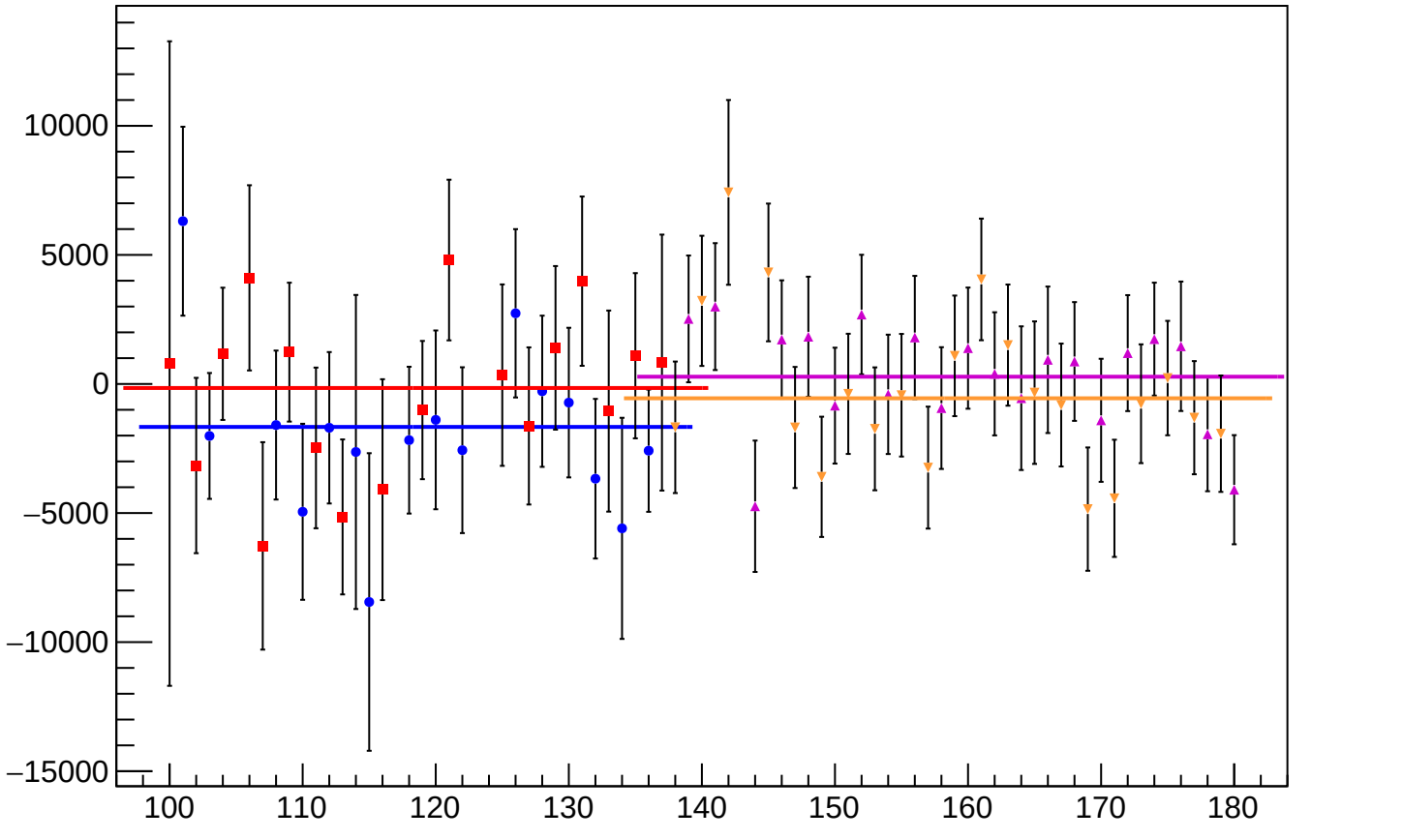
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1303.356+/-0.224 χ^2/NDF:423714.6/20

+ sign 1427.233+/-0.215 χ^2/NDF: 3554503.1/36

All: 1416.125+/-0.150 χ^2/NDF: 7124892.0/75

- sign 1405.616+/-0.209 χ^2/NDF: 3565206.5/38



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -554.466+/-524.635 χ^2/NDF:26.1/20

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

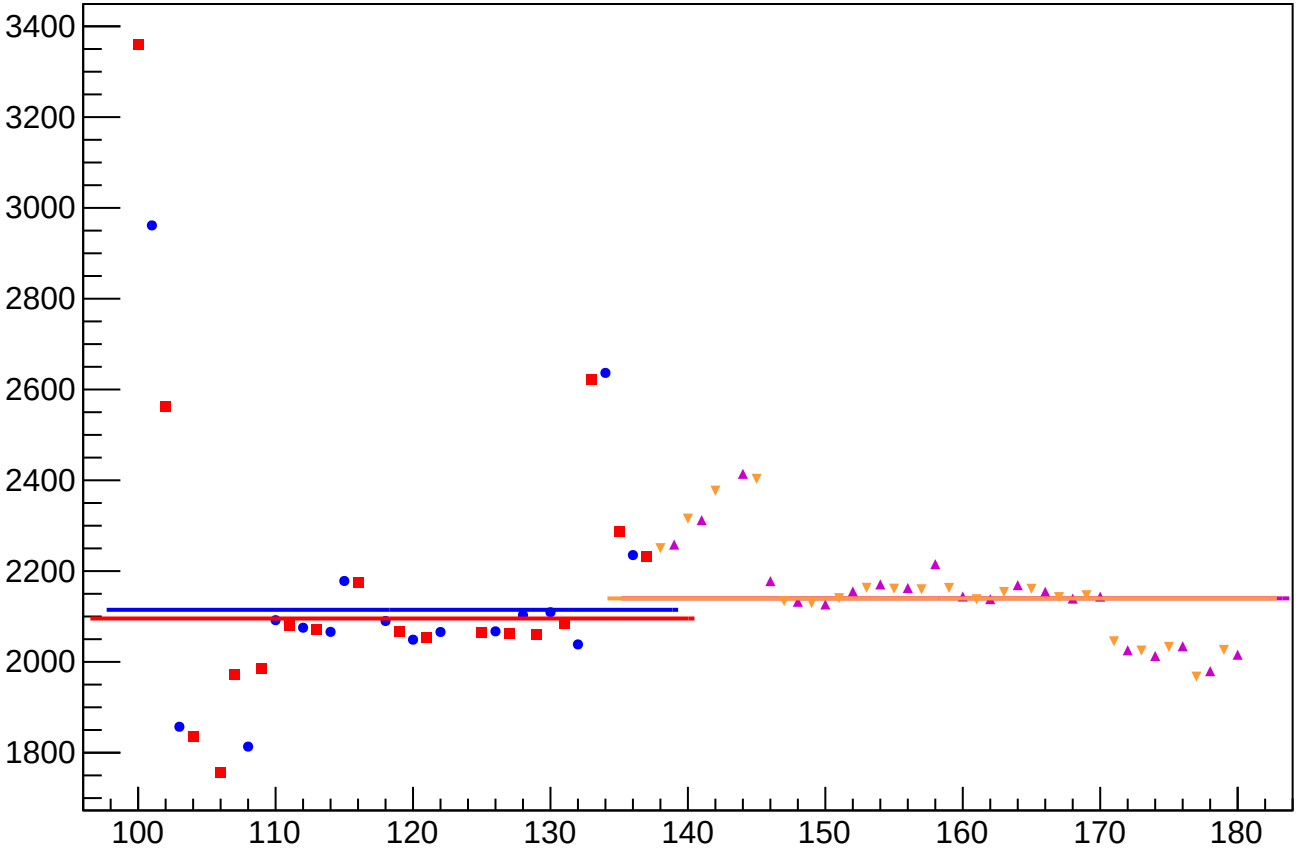
Left In: 281.020+/-515.735 χ^2/NDF:15.9/20

+ sign -892.819+/-437.406 χ^2/NDF: 38.3/36

All: -364.138+/-307.044 χ^2/NDF: 71.5/75

- 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: 2139.798+/-0.371 χ^2/NDF:73251.8/20

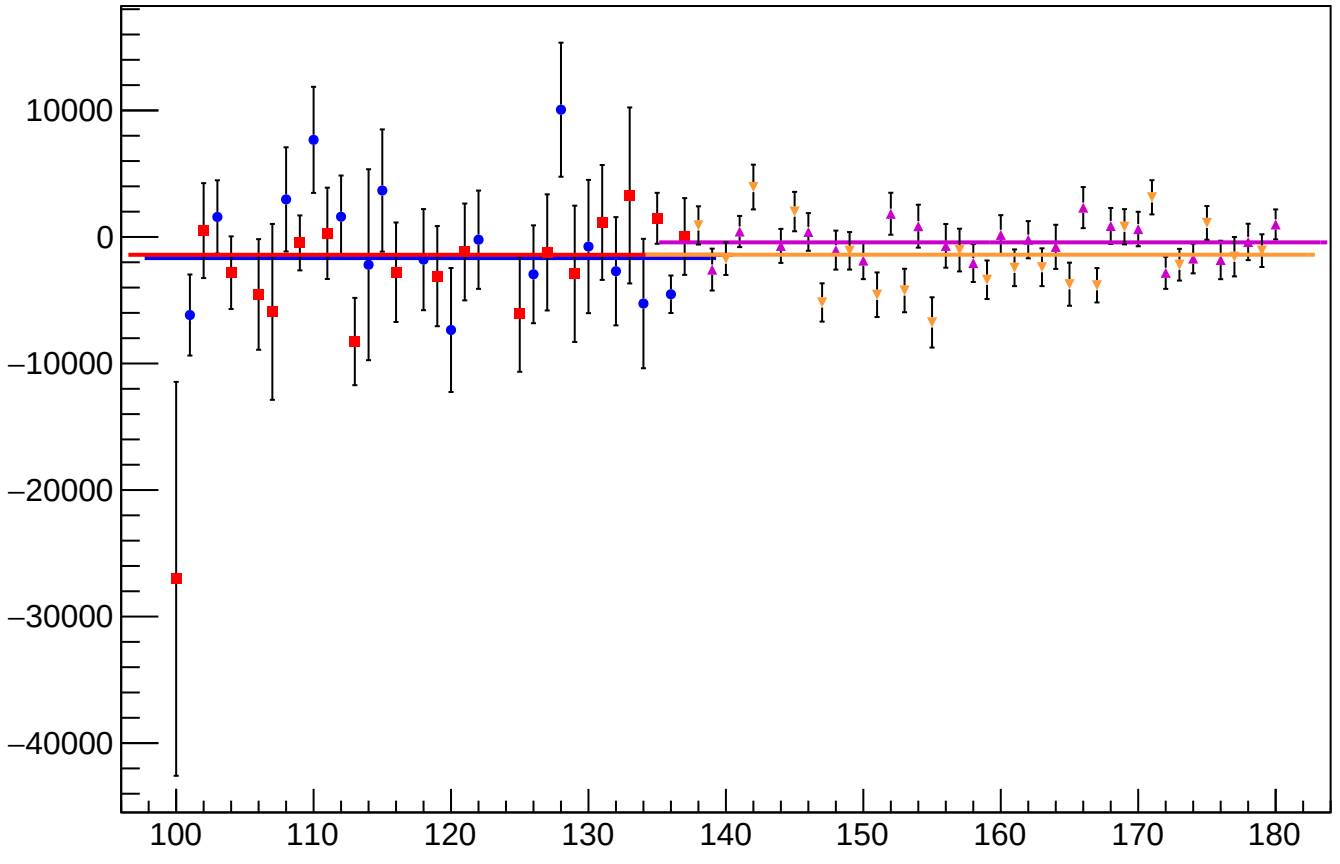
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2139.930+/-0.365 χ^2/NDF:74218.8/20

+ sign 2132.162+/-0.309 χ^2/NDF: 264562.0/36

All: 2129.328+/-0.217 χ^2/NDF: 492758.8/75

- 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: -1403.106+/-325.345 χ^2/NDF:61.3/20

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

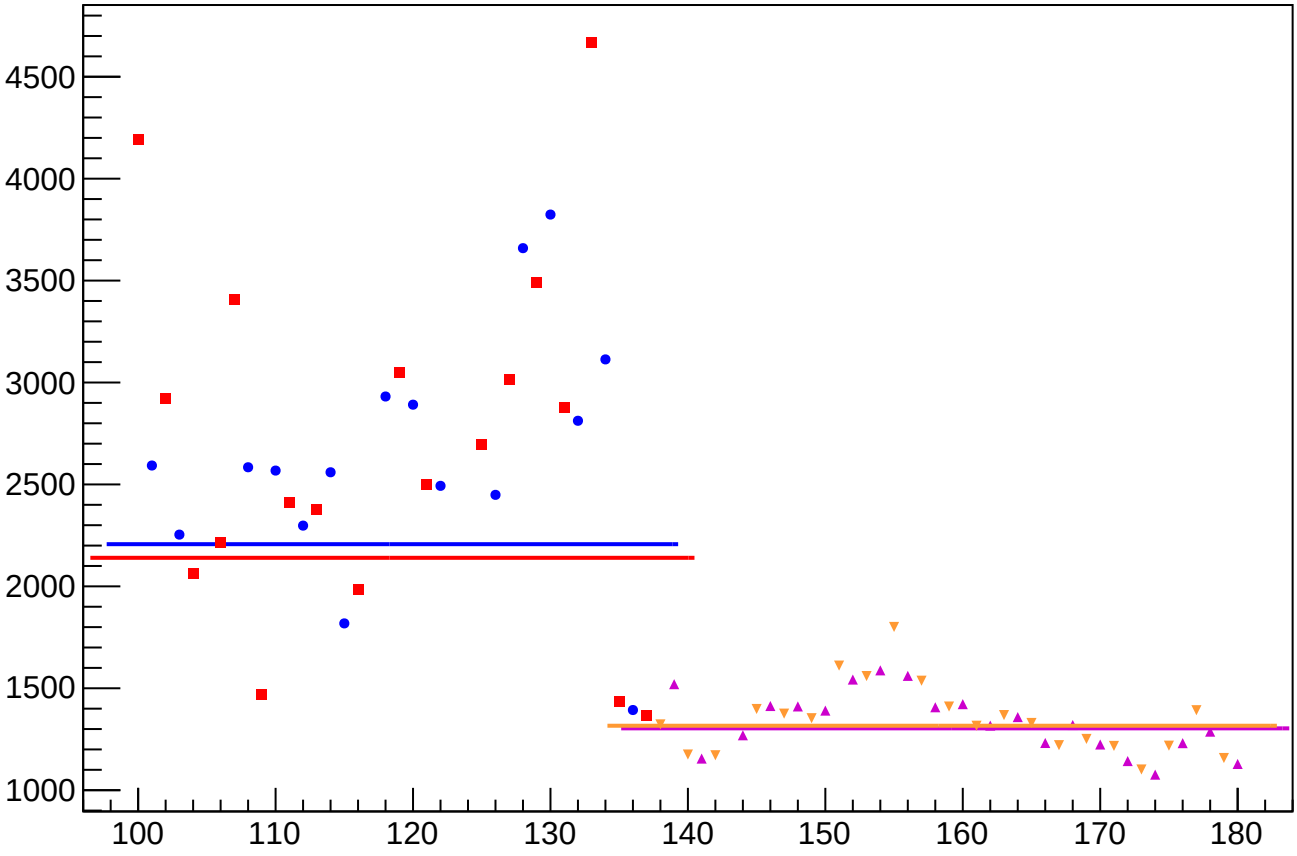
Left In: -426.850+/-316.372 χ^2/NDF:18.8/20

+ sign -1436.187+/-304.391 χ^2/NDF: 83.9/36

All: -979.709+/-212.346 χ^2/NDF: 121.3/75

- sign -546.957+/-296.375 χ^2/NDF: 33.0/38

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1316.231+/-0.230 χ^2/NDF:436260.3/20

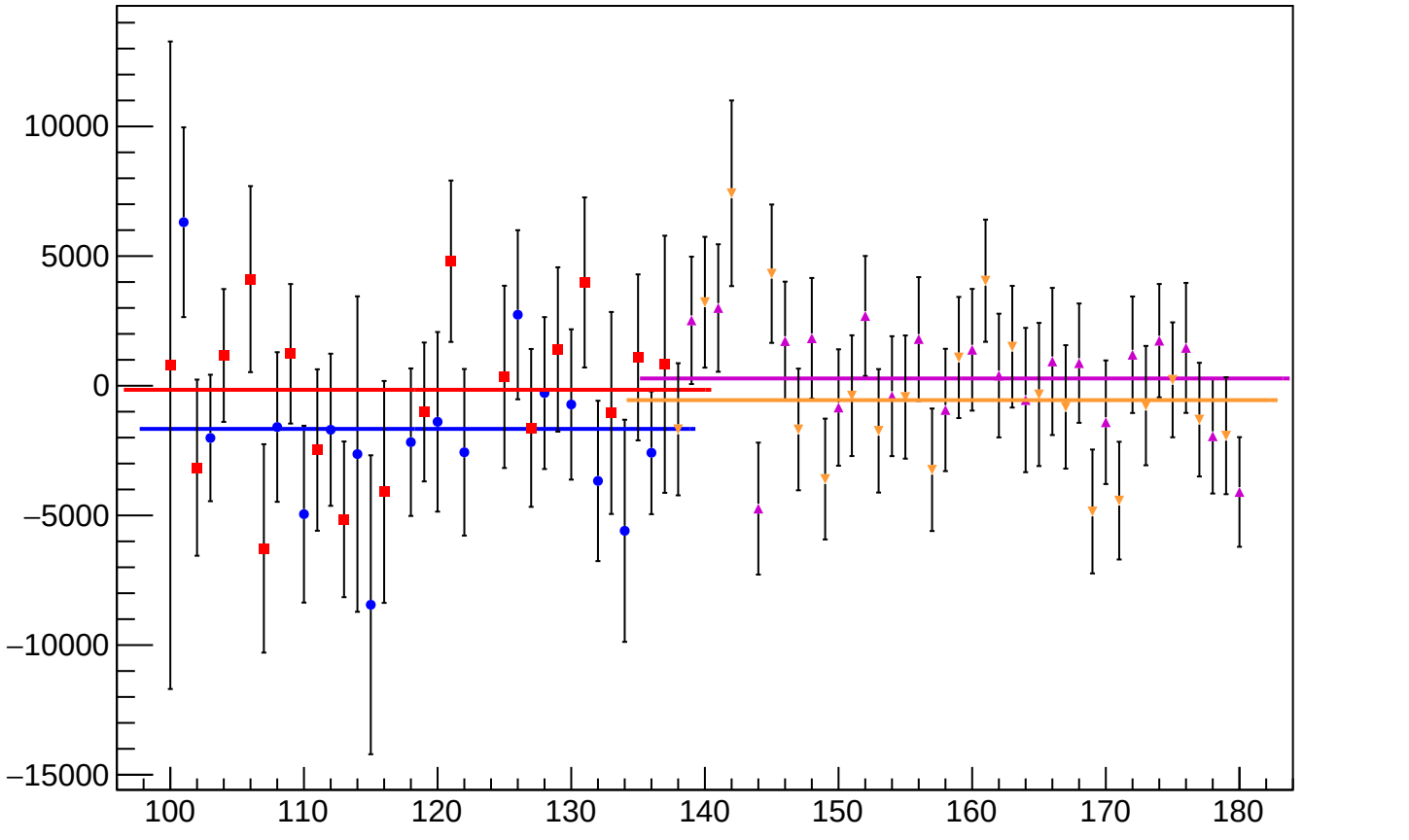
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1303.359+/-0.224 χ^2/NDF:423726.8/20

+ sign 1427.263+/-0.215 χ^2/NDF: 3553882.6/36

All: 1416.238+/-0.150 χ^2/NDF: 7143548.7/75

- 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: -554.466+/-524.635 χ^2/NDF:26.1/20

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

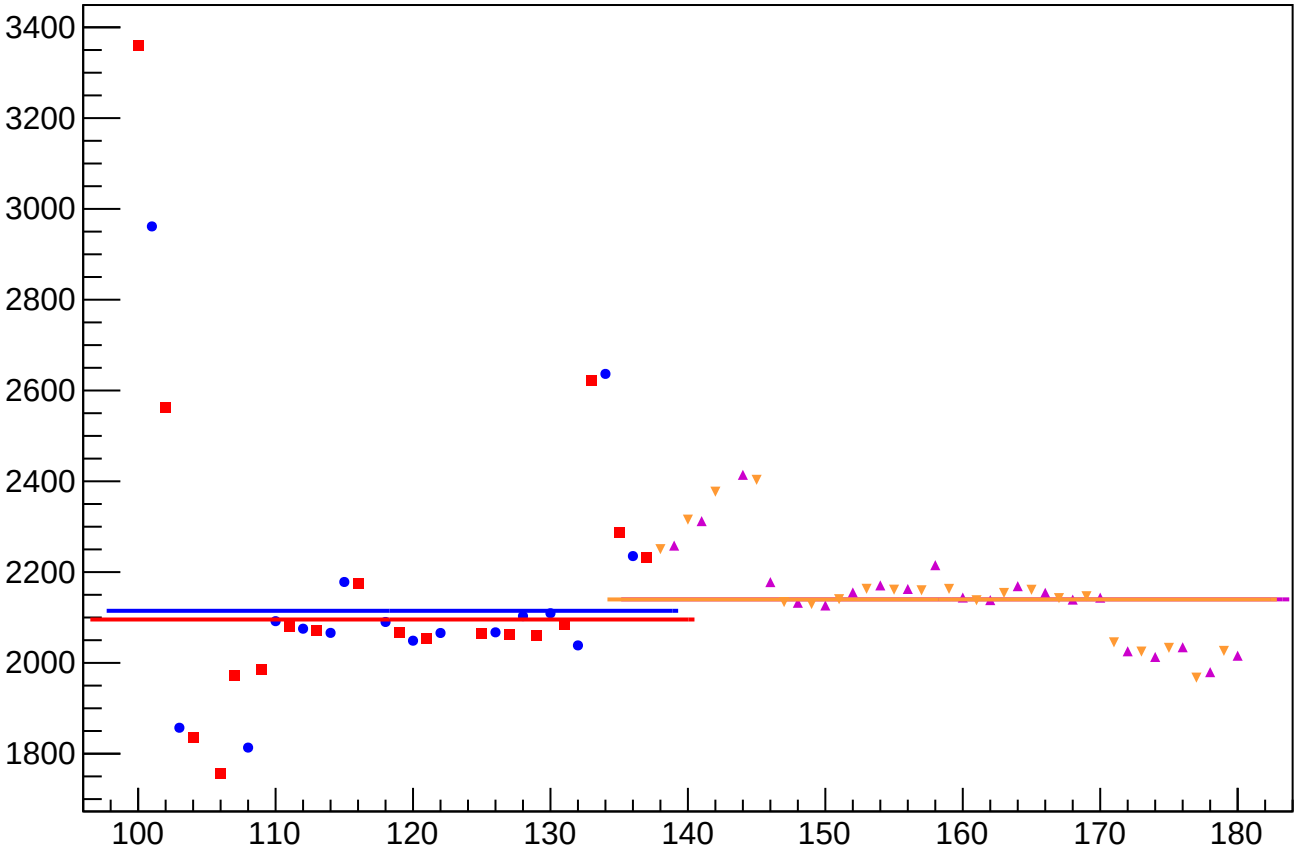
Left In: 281.020+/-515.735 χ^2/NDF:15.9/20

\+ sign -892.819+/-437.406 χ^2/NDF: 38.3/36

All: -364.138+/-307.044 χ^2/NDF: 71.5/75

\- 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: 2139.798+/-0.371 χ^2/NDF:73251.8/20

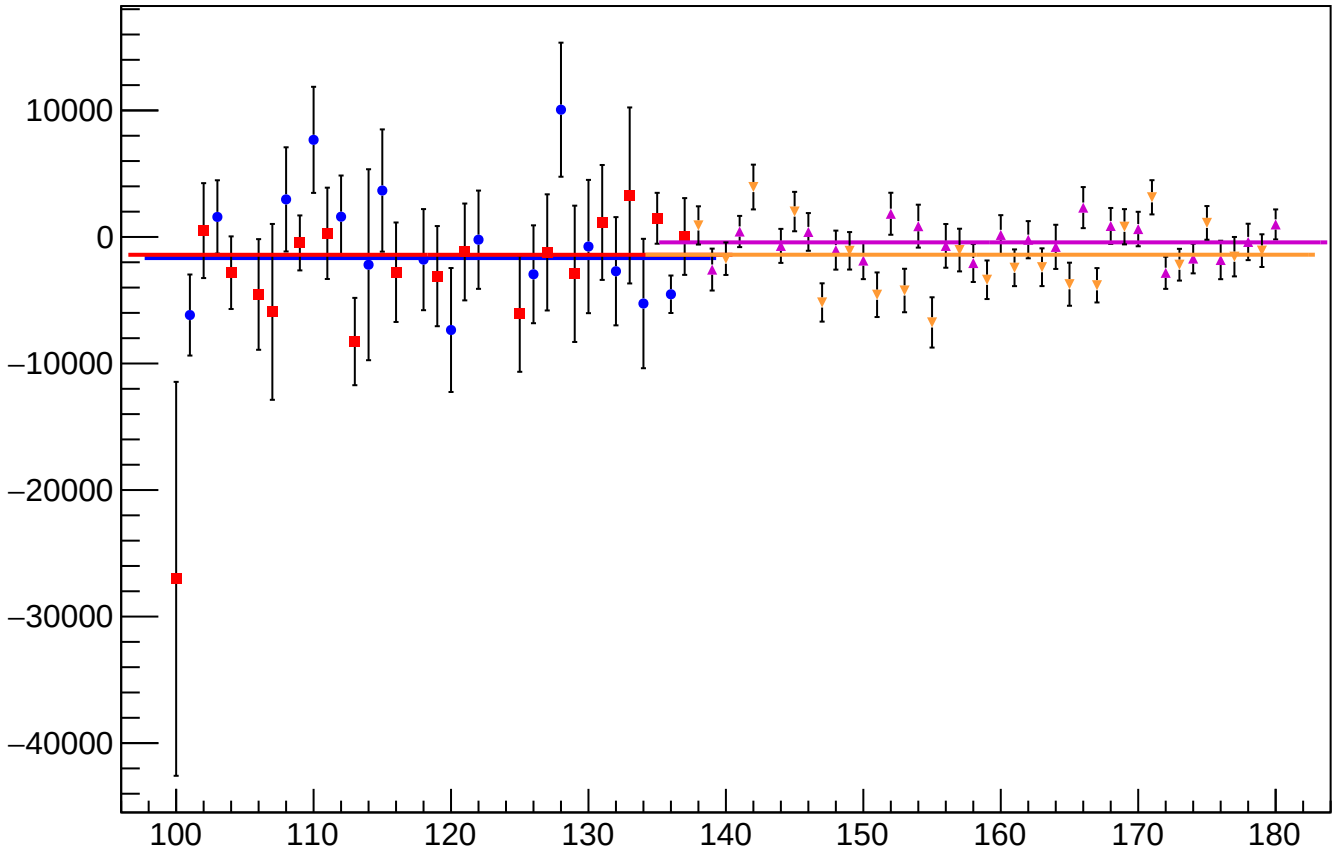
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2139.930+/-0.365 χ^2/NDF:74218.8/20

+ sign 2132.162+/-0.309 χ^2/NDF: 264562.0/36

All: 2129.328+/-0.217 χ^2/NDF: 492758.8/75

- 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: -1403.106+/-325.345 χ^2/NDF:61.3/20

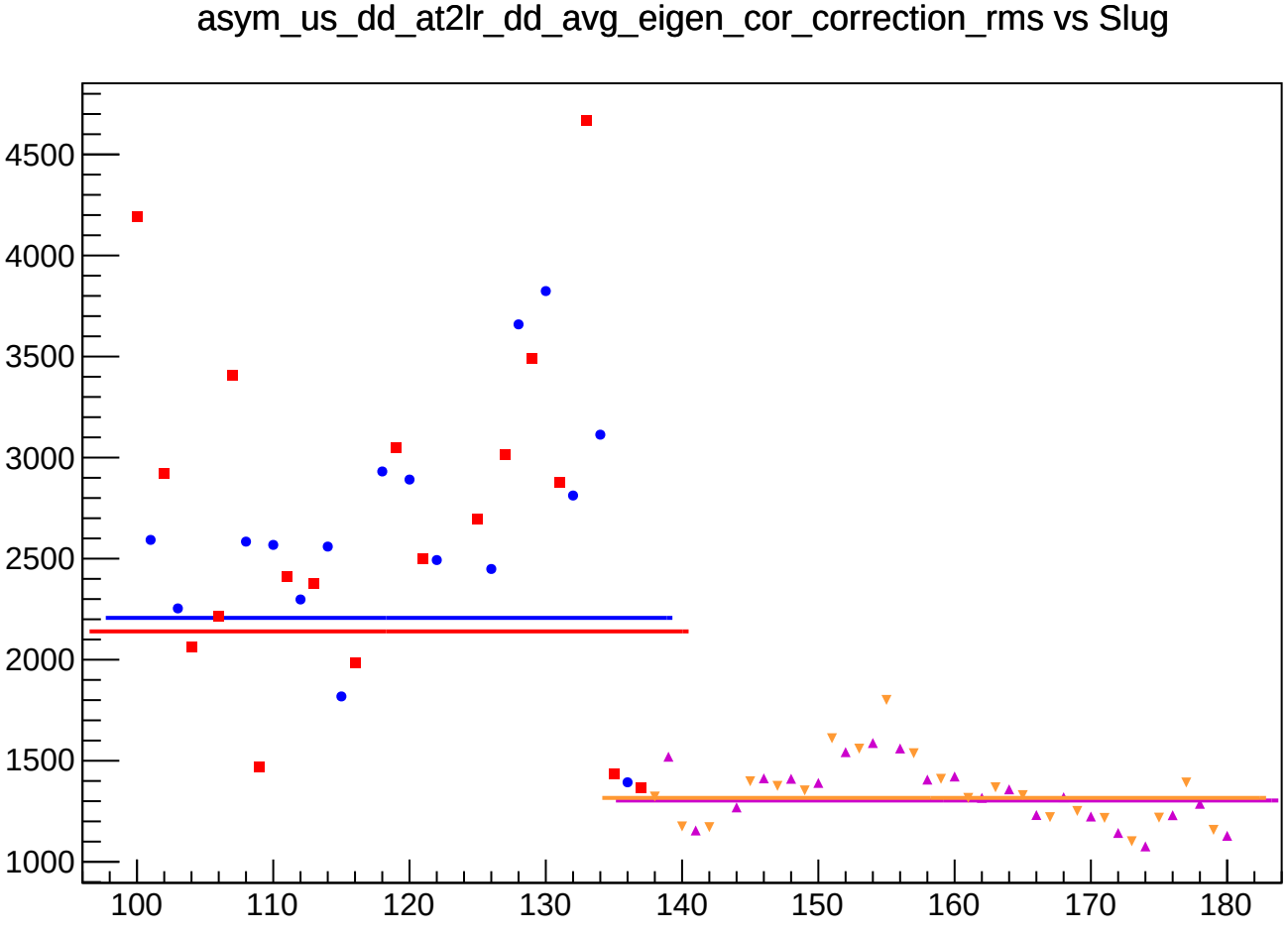
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -426.850+/-316.372 χ^2/NDF:18.8/20

+ sign -1436.187+/-304.391 χ^2/NDF: 83.9/36

All: -979.709+/-212.346 χ^2/NDF: 121.3/75

- 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: 1316.231+/-0.230 χ^2/NDF:436260.3/20

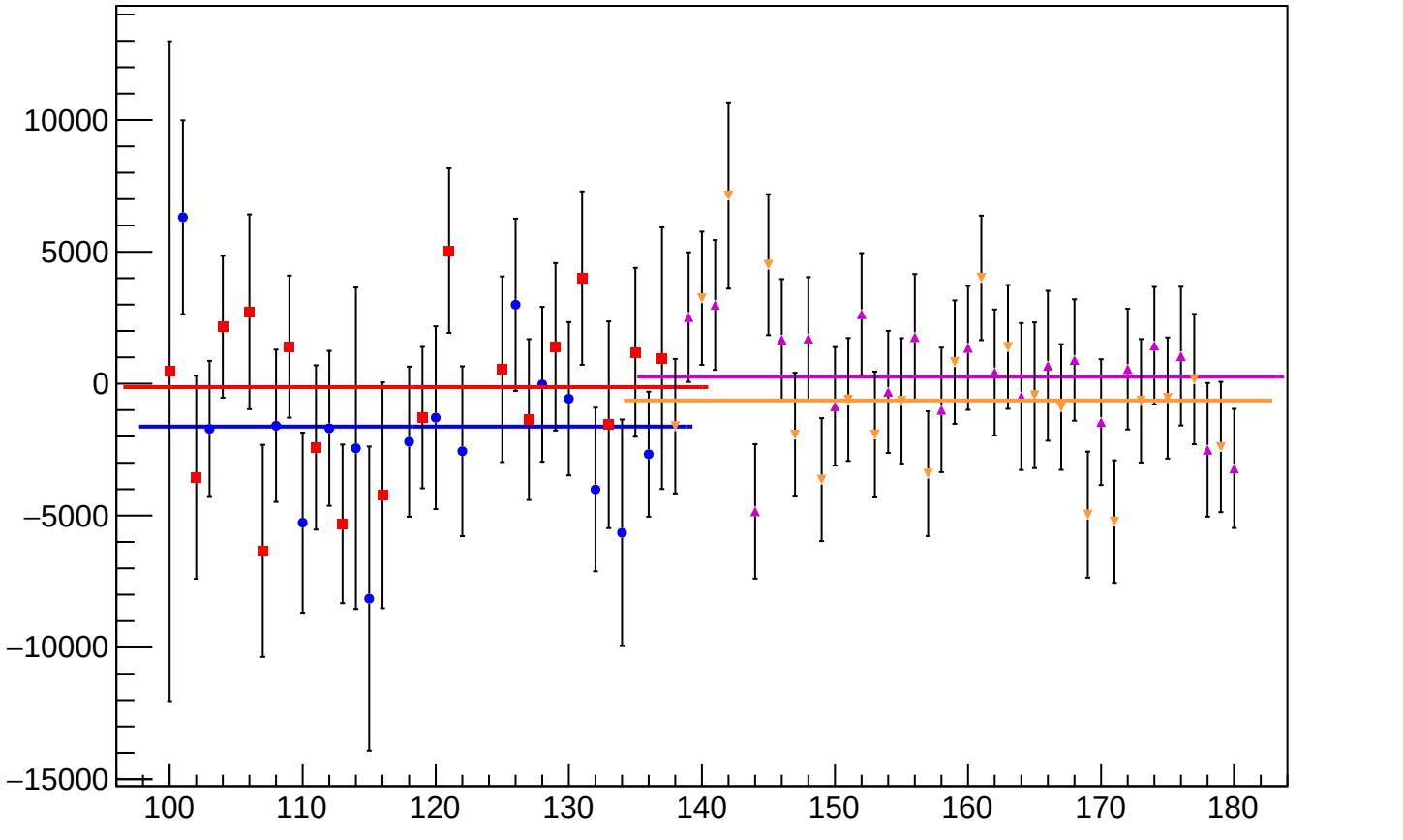
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1303.359+/-0.224 χ^2/NDF:423726.8/20

+ sign 1427.263+/-0.215 χ^2/NDF: 3553882.6/36

All: 1416.238+/-0.150 χ^2/NDF: 7143548.7/75

- 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: -636.726+/-532.711 χ^2/NDF:27.5/20

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

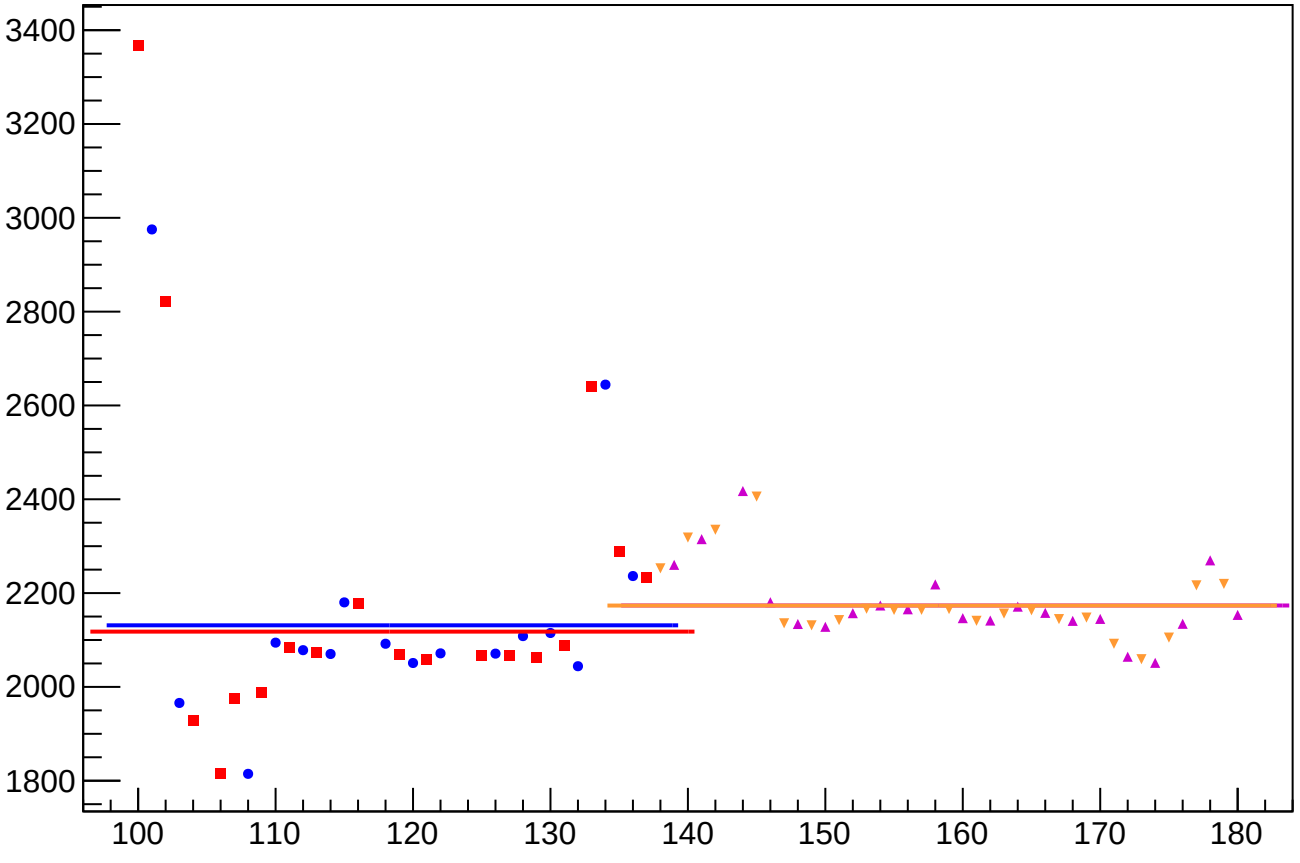
Left In: 267.263+/-523.652 χ^2/NDF:13.7/20

+ sign -942.203+/-443.054 χ^2/NDF: 39.9/36

All: -390.264+/-311.290 χ^2/NDF: 71.5/75

- 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: 2173.432+/-0.377 χ^2/NDF:40832.8/20

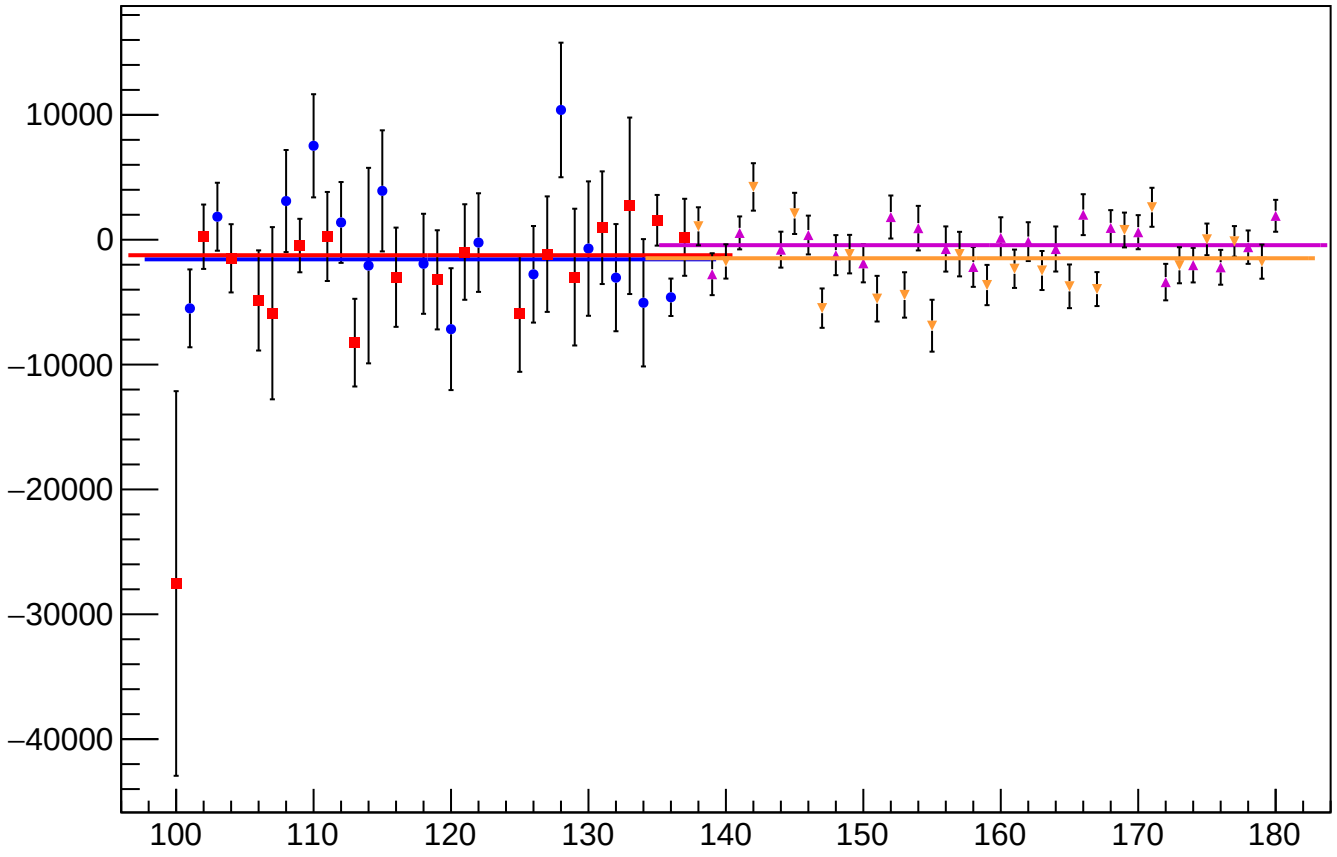
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2173.569+/-0.370 χ^2/NDF:45129.4/20

+ sign 2160.443+/-0.313 χ^2/NDF: 220633.1/36

All: 2158.568+/-0.220 χ^2/NDF: 436292.5/75

- 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: -1483.853+/-335.435 χ^2/NDF:55.4/20

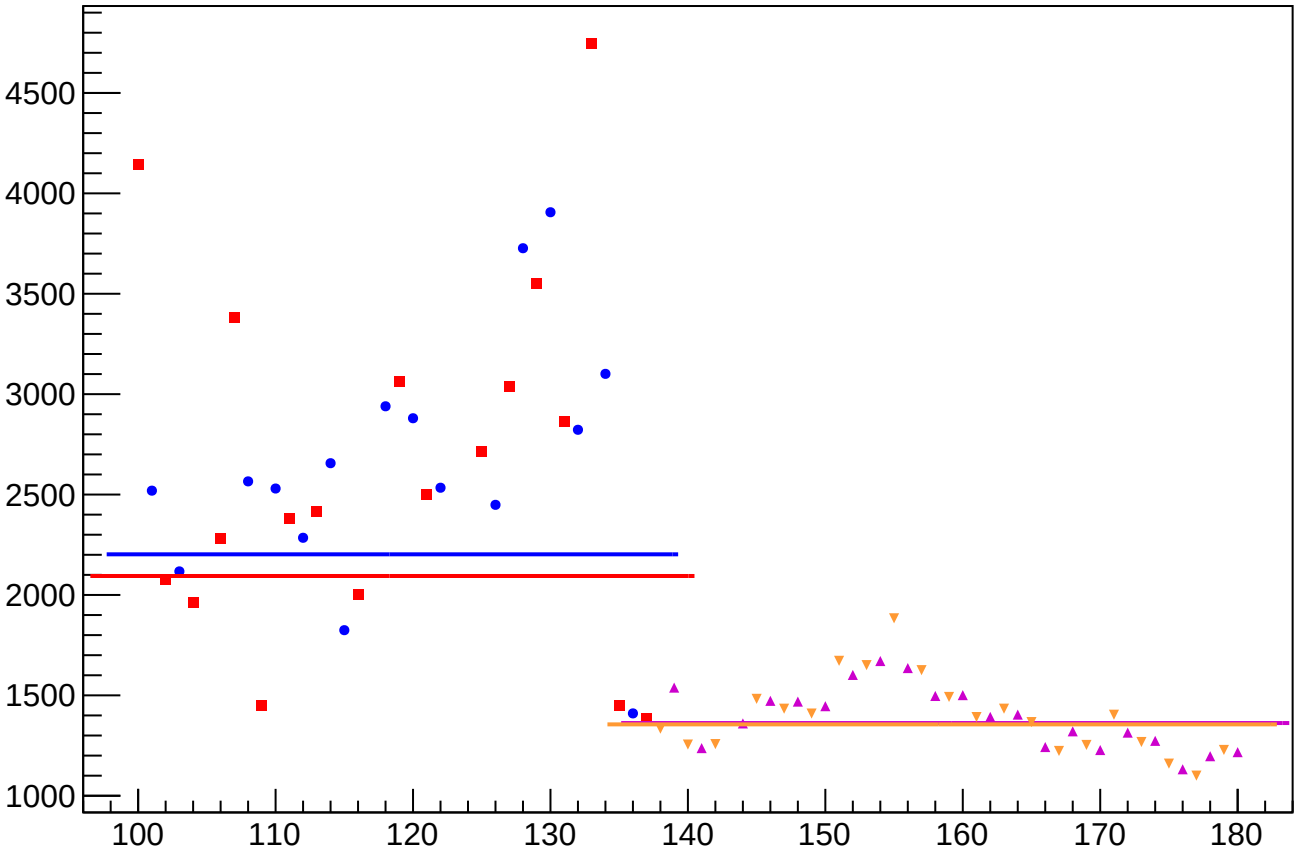
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -436.604+/-330.392 χ^2/NDF:21.9/20

+ sign -1495.376+/-312.493 χ^2/NDF: 78.0/36

All: -1012.936+/-218.795 χ^2/NDF: 118.4/75

- 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: 1355.473+/-0.237 χ^2/NDF:534369.5/20

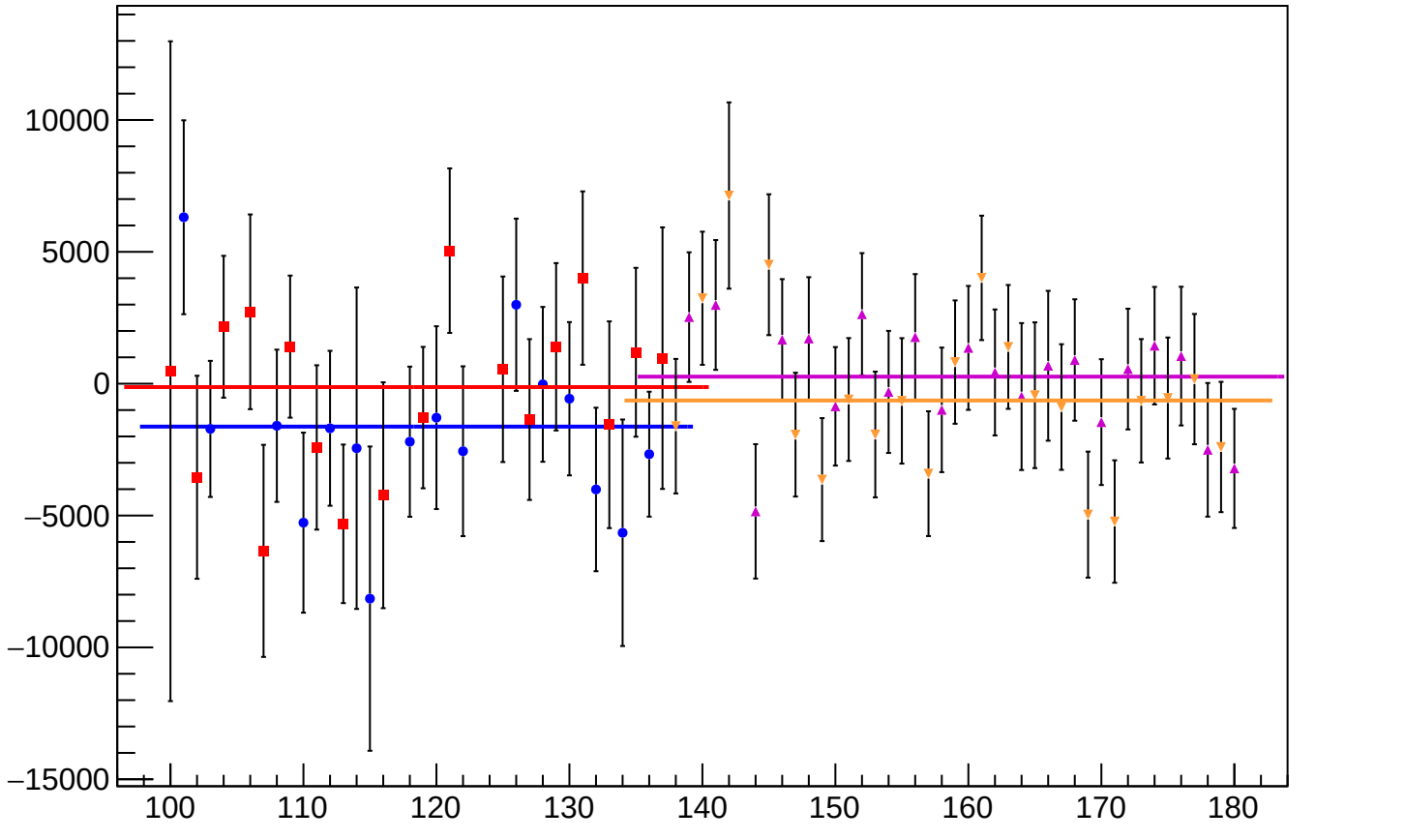
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1362.123+/-0.234 χ^2/NDF:392628.9/20

+ sign 1467.357+/-0.221 χ^2/NDF: 3441622.3/36

All: 1465.877+/-0.155 χ^2/NDF: 6581038.7/75

- 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: -636.723+/-532.711 χ^2/NDF:27.5/20

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

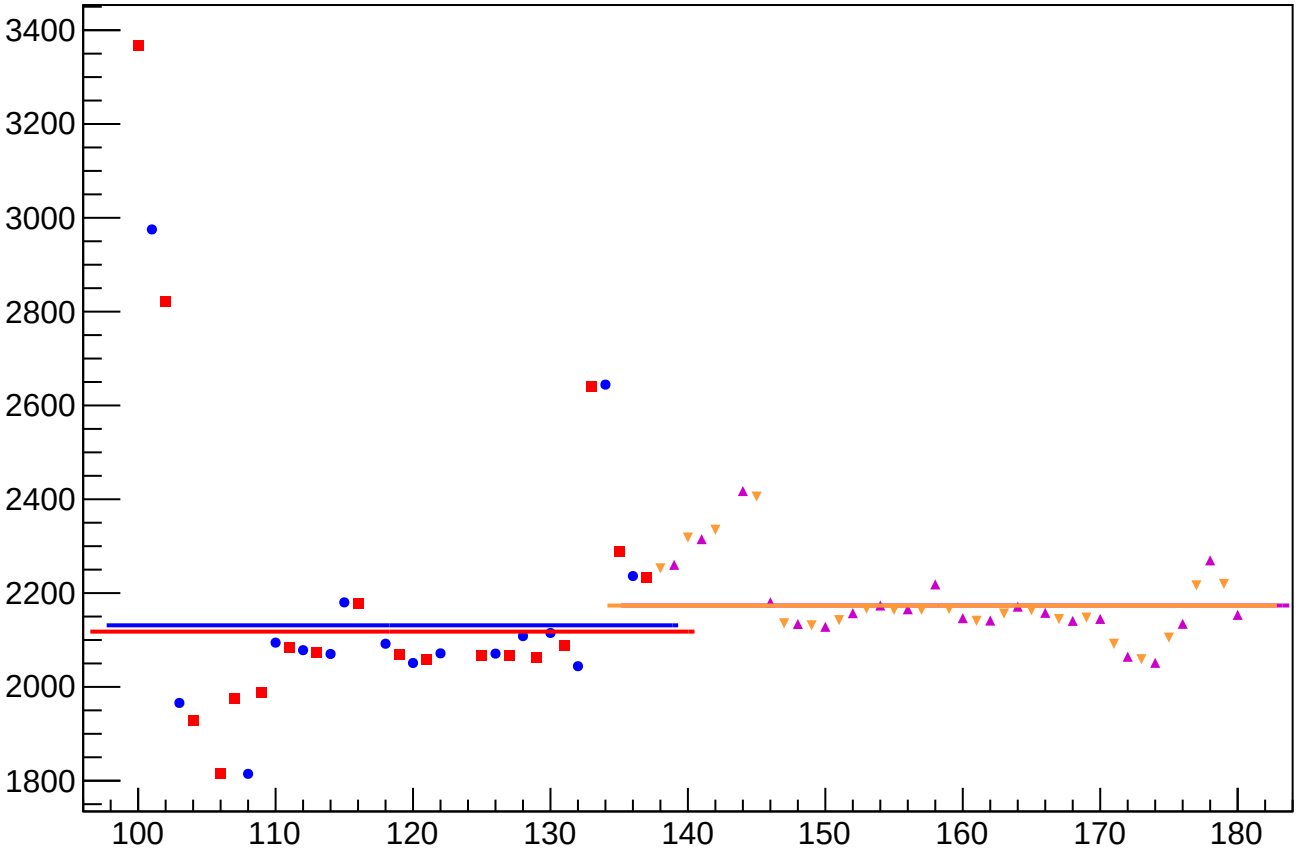
Left In: 267.263+/-523.652 χ^2/NDF:13.7/20

+ sign -942.201+/-443.054 χ^2/NDF: 39.9/36

All: -390.263+/-311.290 χ^2/NDF: 71.5/75

- 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: 2173.431+/-0.377 χ^2/NDF:40832.9/20

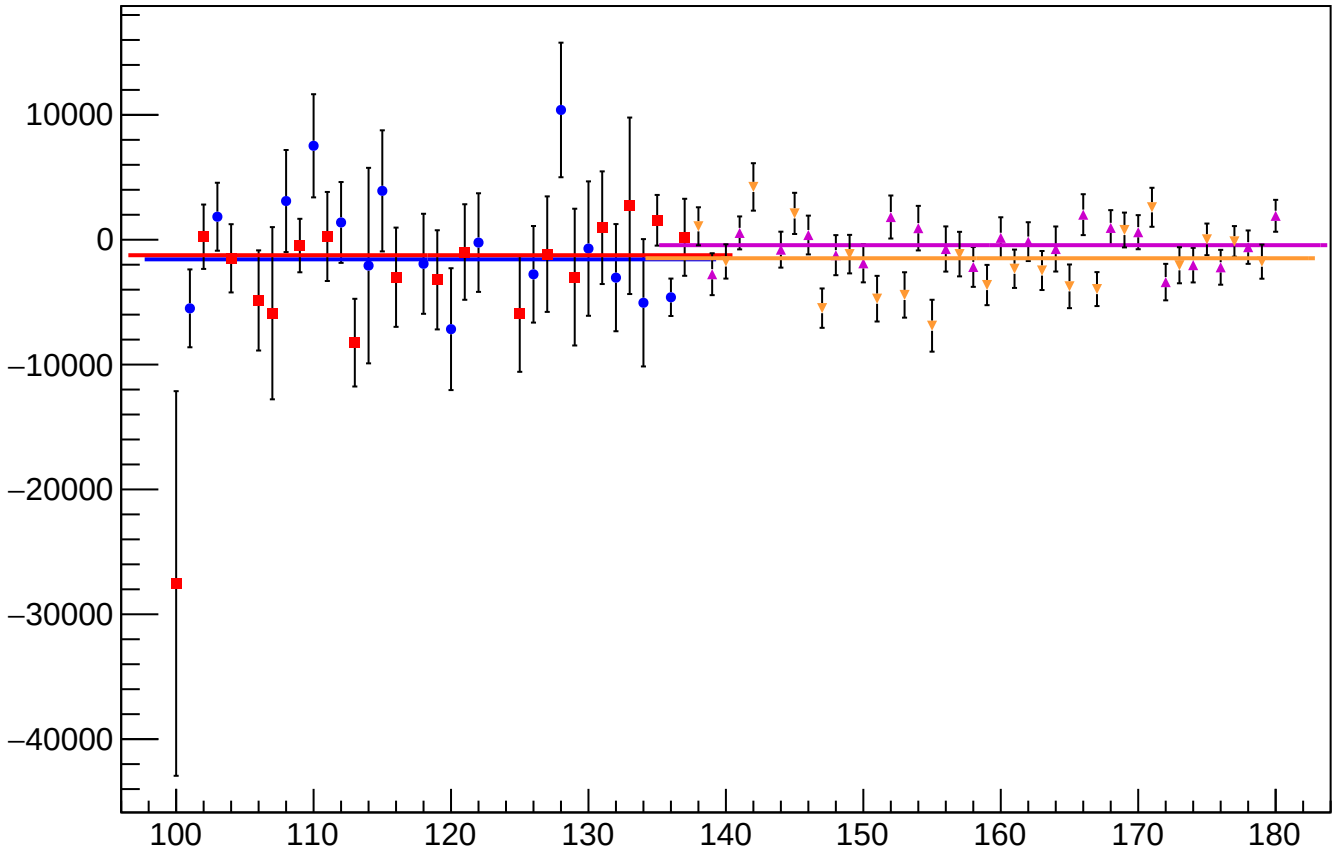
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2173.569+/-0.370 χ^2/NDF:45129.4/20

+ sign 2160.442+/-0.313 χ^2/NDF: 220633.1/36

All: 2158.568+/-0.220 χ^2/NDF: 436292.3/75

- 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: -1483.856+/-335.435 χ^2/NDF:55.4/20

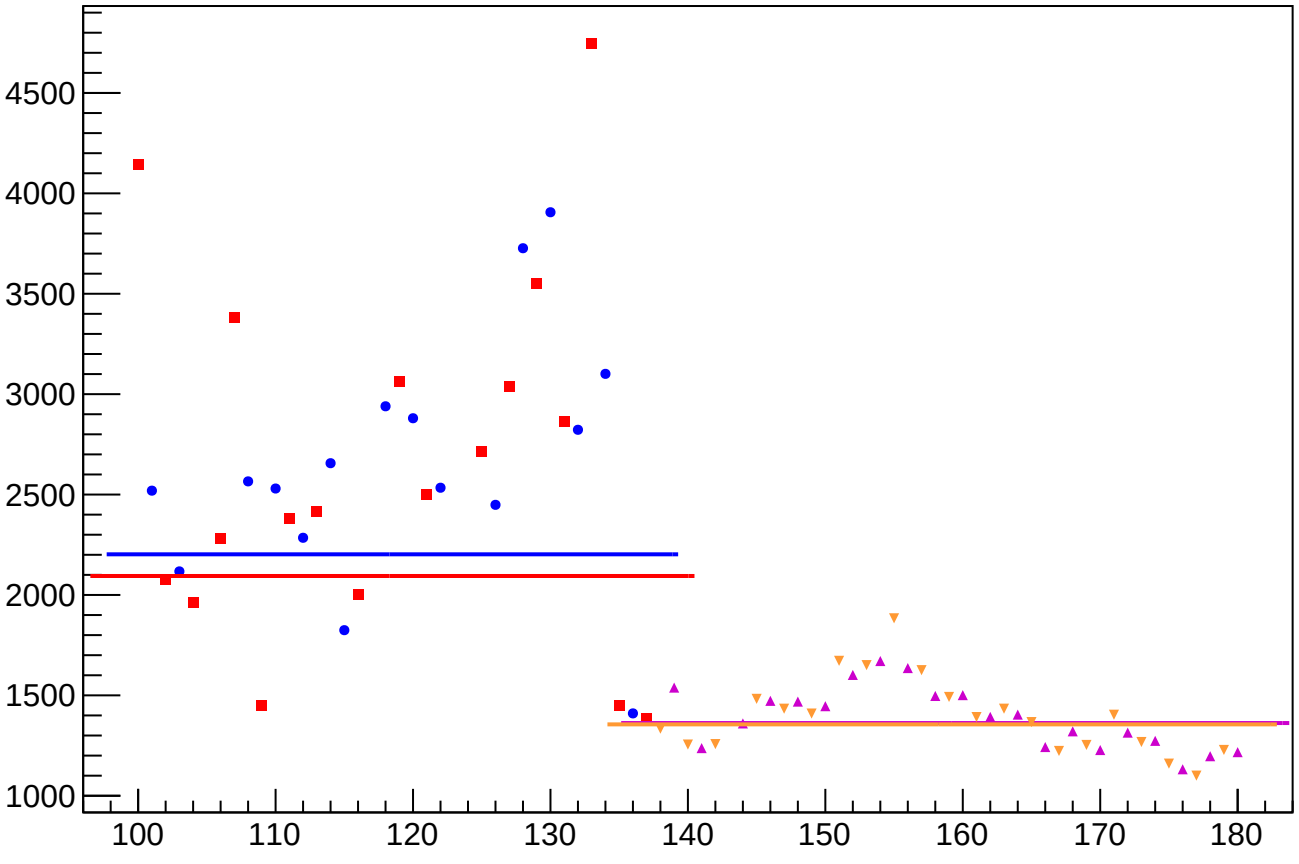
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -436.600+/-330.391 χ^2/NDF:21.9/20

+ sign -1495.376+/-312.493 χ^2/NDF: 78.0/36

All: -1012.935+/-218.795 χ^2/NDF: 118.4/75

- 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: 1355.473+/-0.237 χ^2/NDF:534367.6/20

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

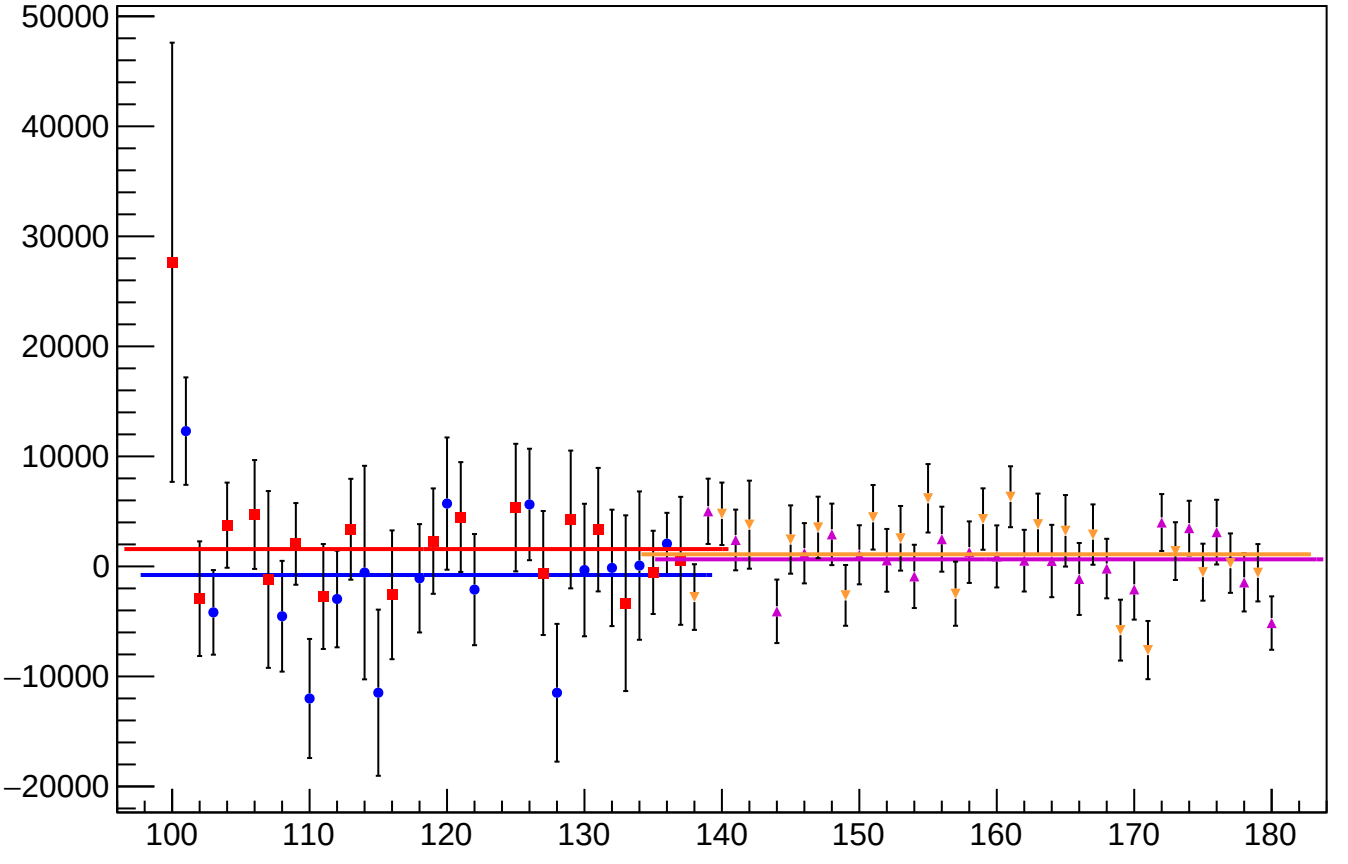
Left In: 1362.121+/-0.234 χ^2/NDF:392638.2/20

+ sign 1467.358+/-0.221 χ^2/NDF: 3441600.6/36

All: 1465.877+/-0.155 χ^2/NDF: 6581021.9/75

- 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: 1101.220+/-622.284 χ^2/NDF:37.0/20

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

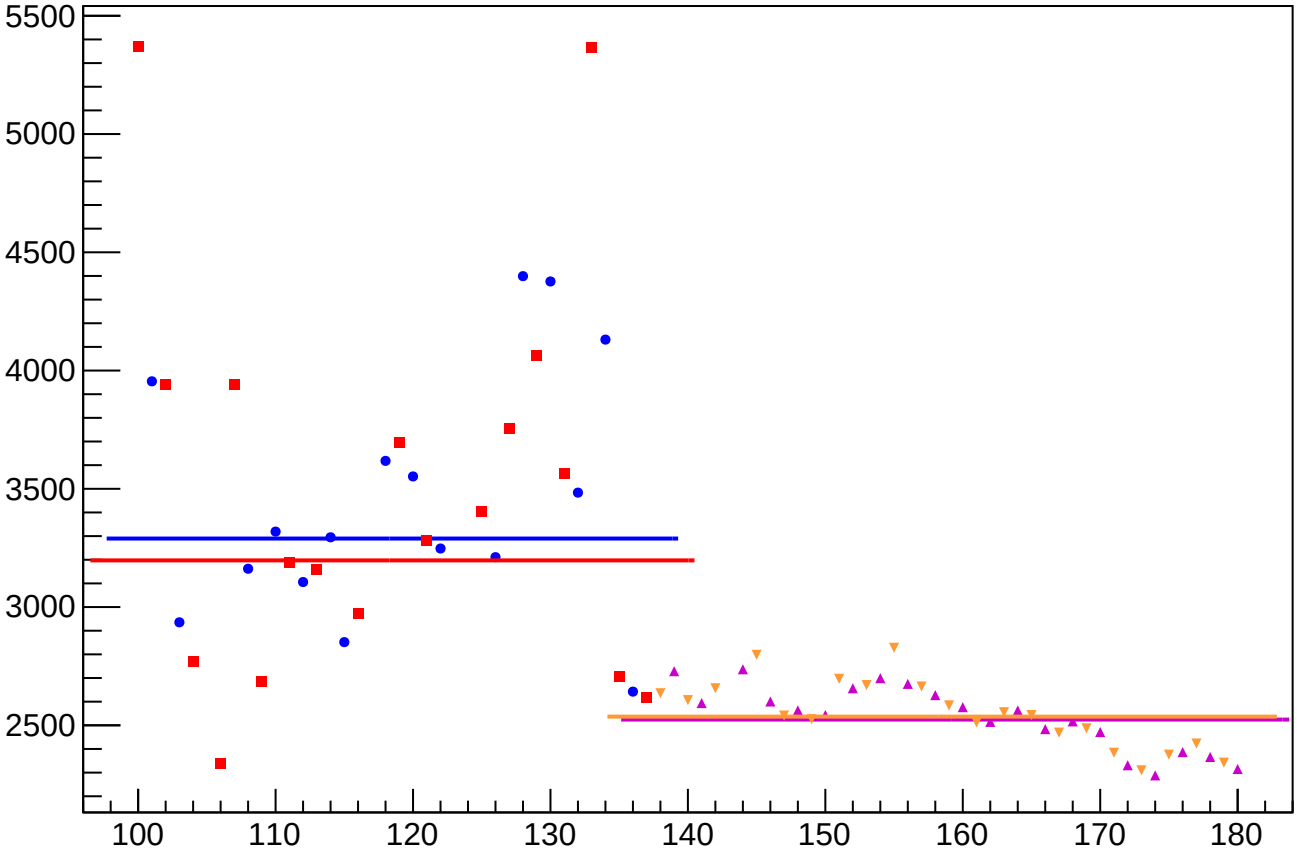
Left In: 642.613+/-608.671 χ^2/NDF:18.1/20

+ sign 723.266+/-556.332 χ^2/NDF: 60.7/36

All: 777.074+/-389.156 χ^2/NDF: 86.1/75

- 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: 2536.748+/-0.440 χ^2/NDF:97517.4/20

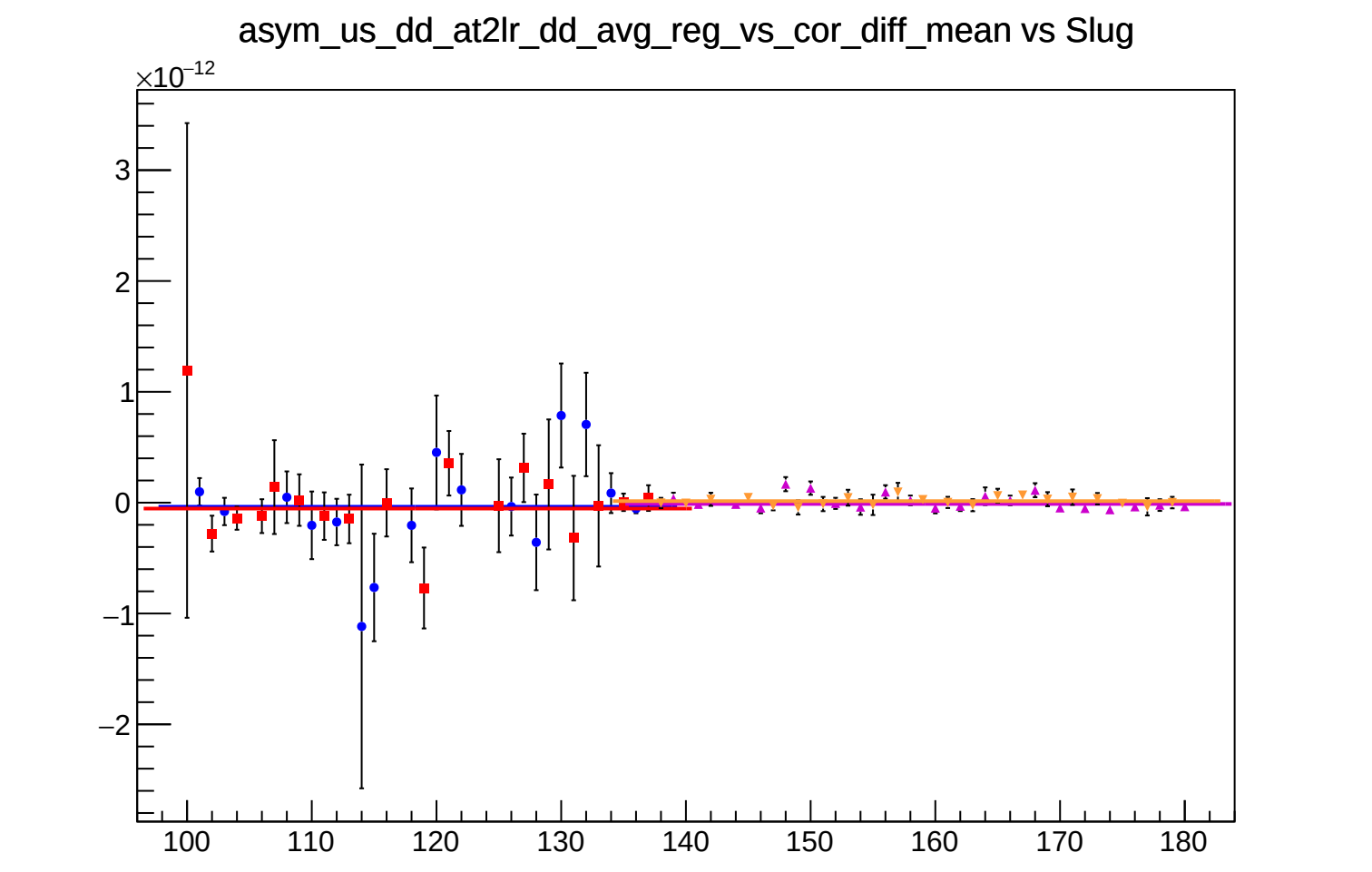
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2524.217+/-0.430 χ^2/NDF:100964.3/20

+ sign 2687.891+/-0.393 χ^2/NDF: 1032874.8/36

All: 2672.915+/-0.275 χ^2/NDF: 2124831.7/75

- sign 2658.565+/-0.385 χ^2/NDF: 1089118.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/20

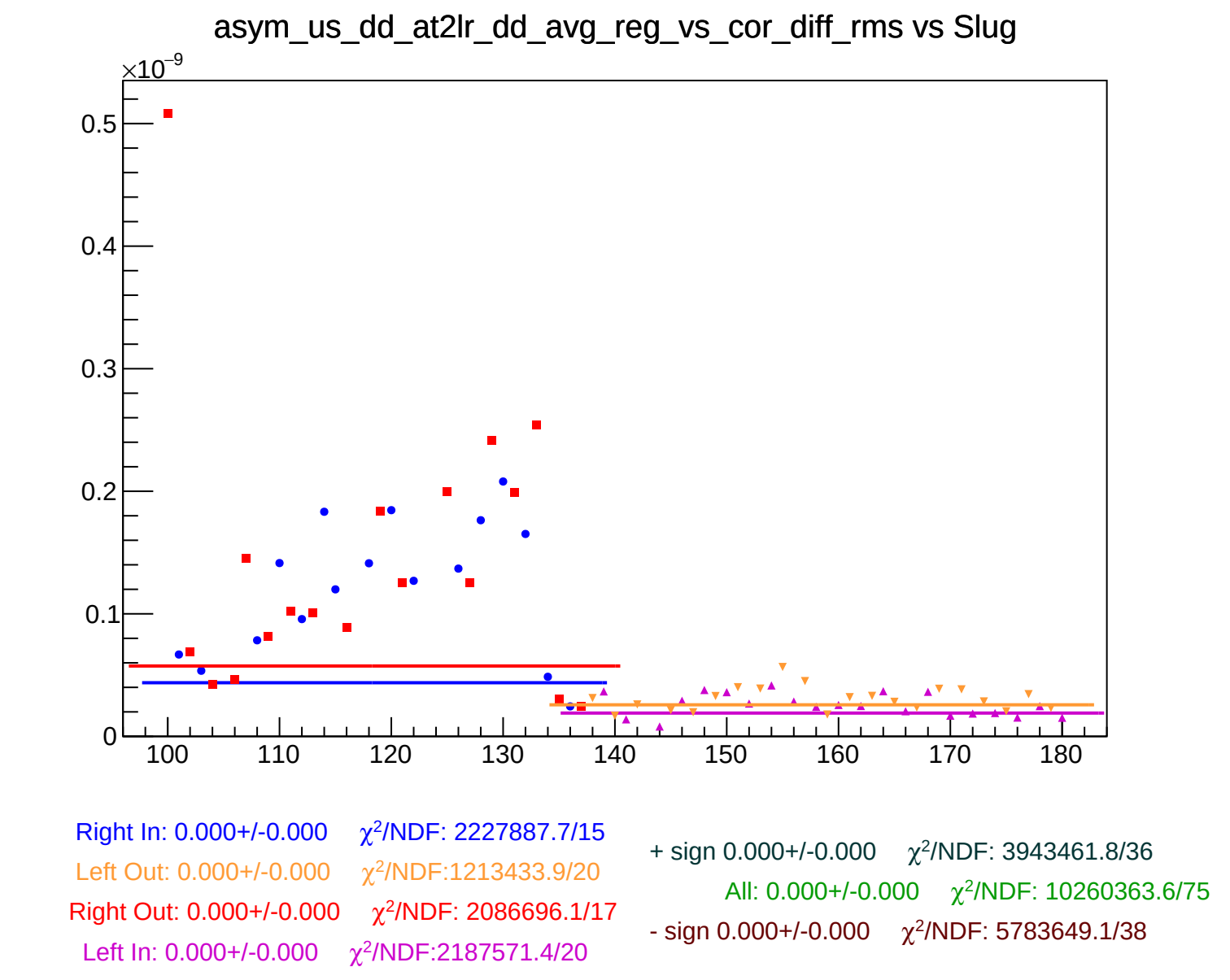
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

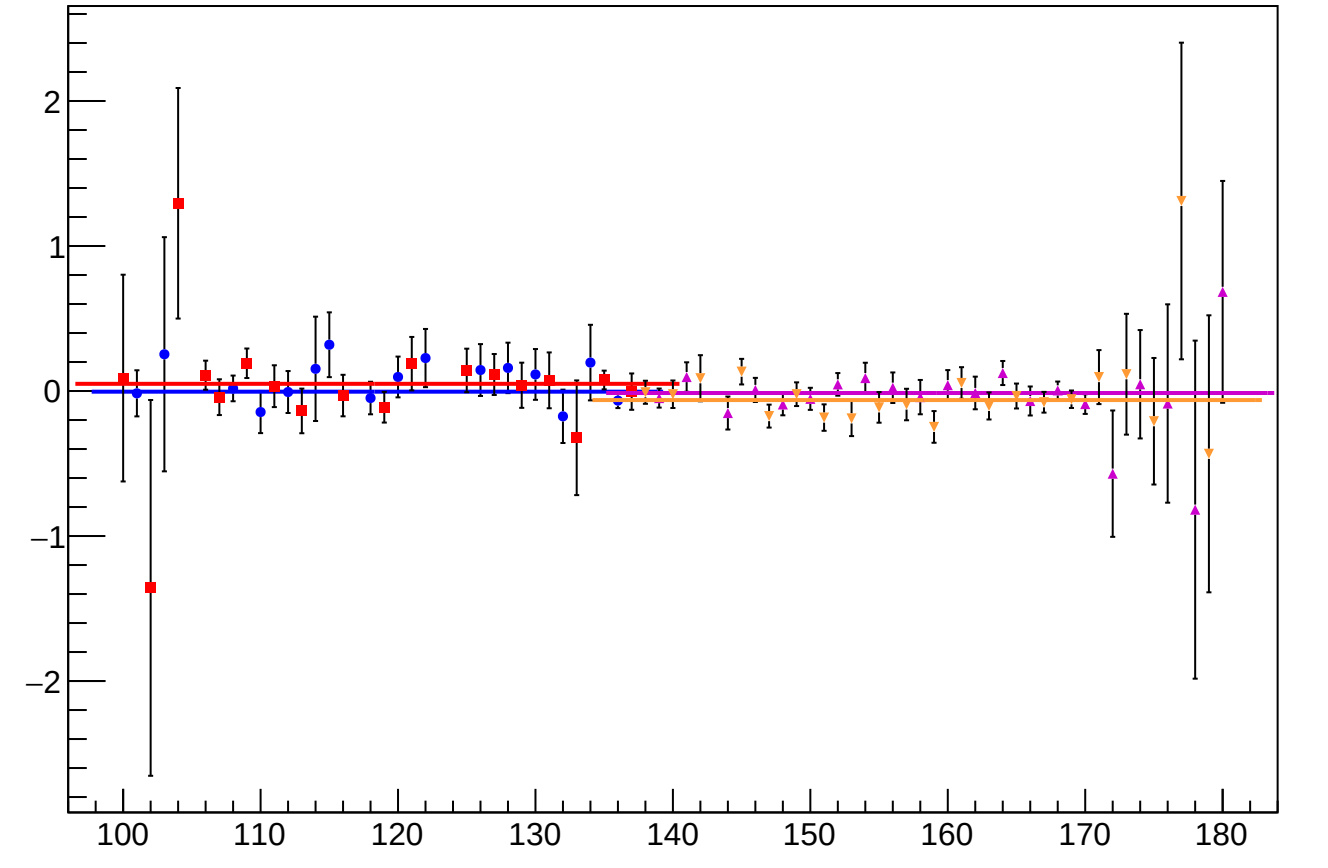
Left In: -0.000+/-0.000 χ^2/NDF:30.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 24.4/36

All: -0.000+/-0.000 χ^2/NDF: 70.9/75

- sign -0.000+/-0.000 χ^2/NDF: 43.6/38


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1213433.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:2187571.4/20
+ sign 0.000+/-0.000 χ²/NDF: 3943461.8/36
All: 0.000+/-0.000 χ²/NDF: 10260363.6/75
- sign 0.000+/-0.000 χ²/NDF: 5783649.1/38



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:18.9/20

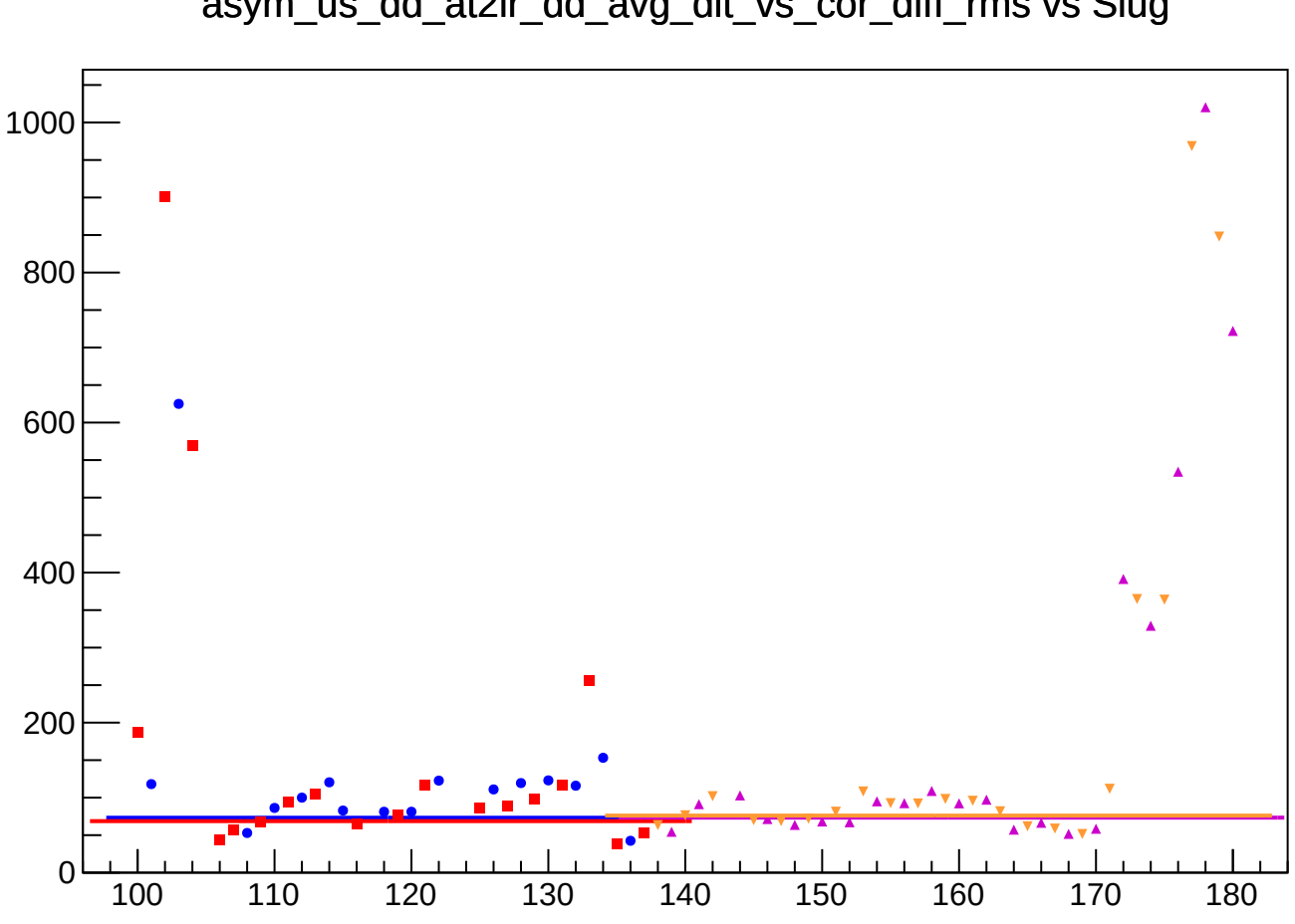
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:13.8/20

+ sign -0.044+/-0.018 χ^2/NDF: 31.4/36

All: -0.018+/-0.013 χ^2/NDF: 64.8/75

- 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: 76.094+/-0.016 χ^2/NDF:5583262.0/20

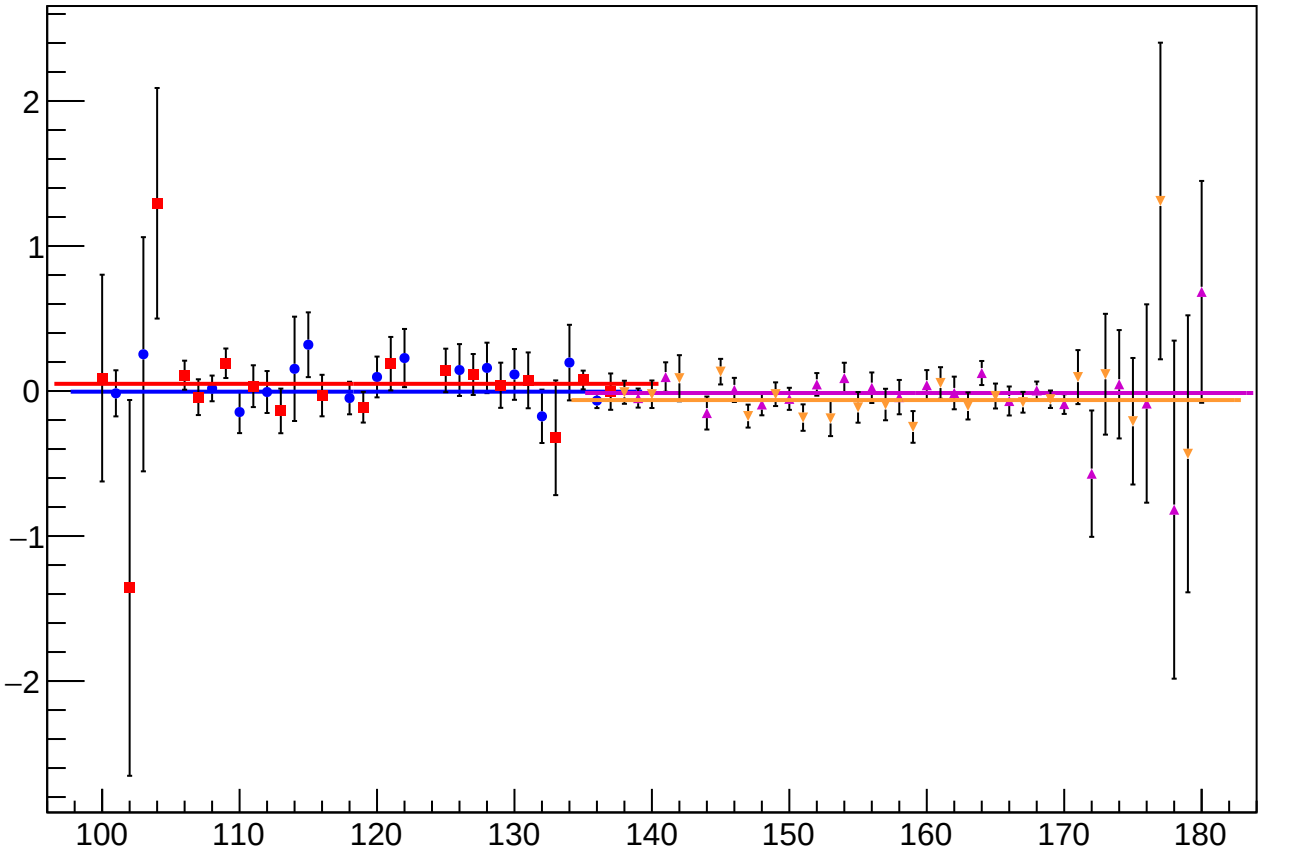
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 73.356+/-0.015 χ^2/NDF:7011225.4/20

+ sign 75.177+/-0.013 χ^2/NDF: 8448558.8/36

All: 73.492+/-0.009 χ^2/NDF: 18854019.1/75

- sign 71.927+/-0.012 χ^2/NDF: 10372574.5/38



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:18.9/20

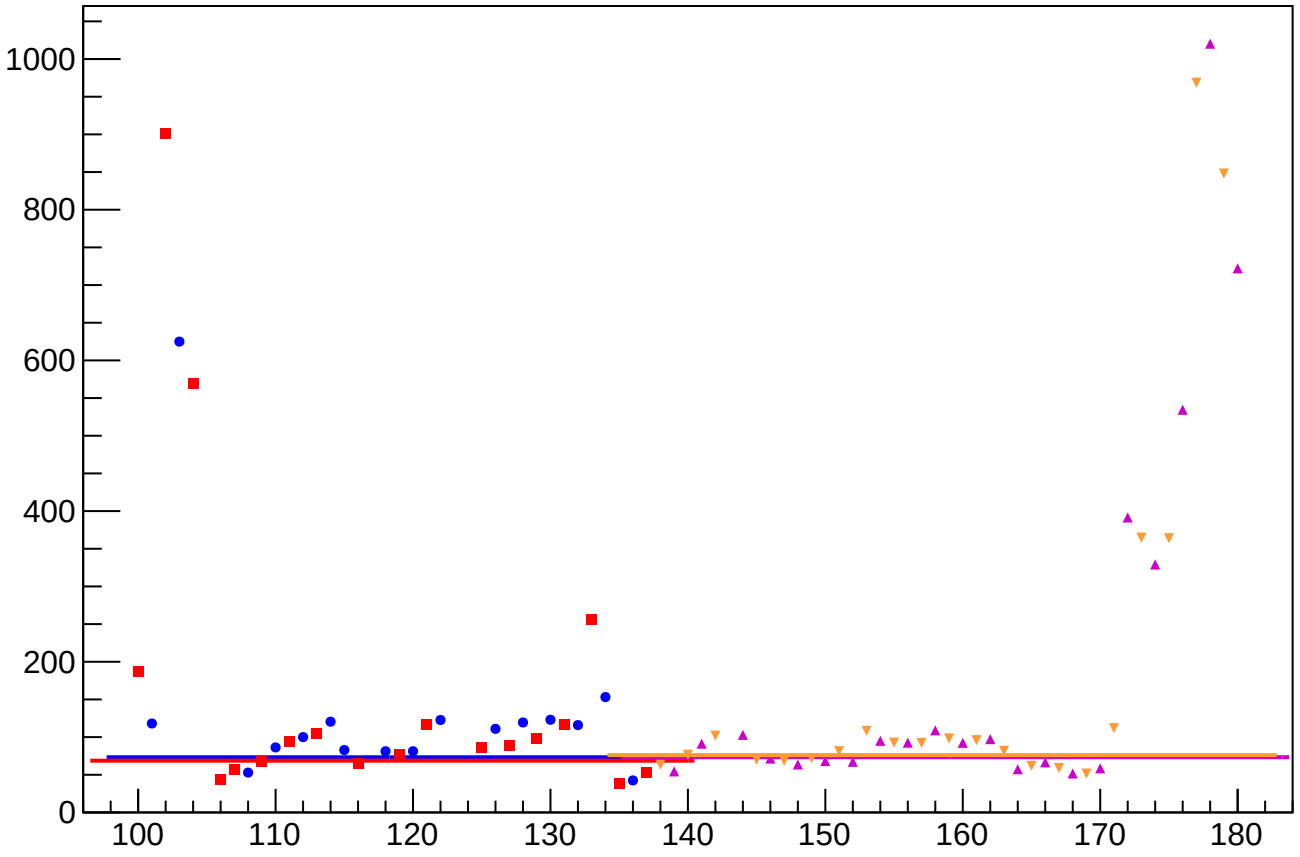
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.021 χ^2/NDF:13.8/20

+ sign -0.044+/-0.018 χ^2/NDF: 31.4/36

All: -0.018+/-0.013 χ^2/NDF: 64.8/75

- 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: 76.094+/-0.016 χ^2/NDF:5583262.0/20

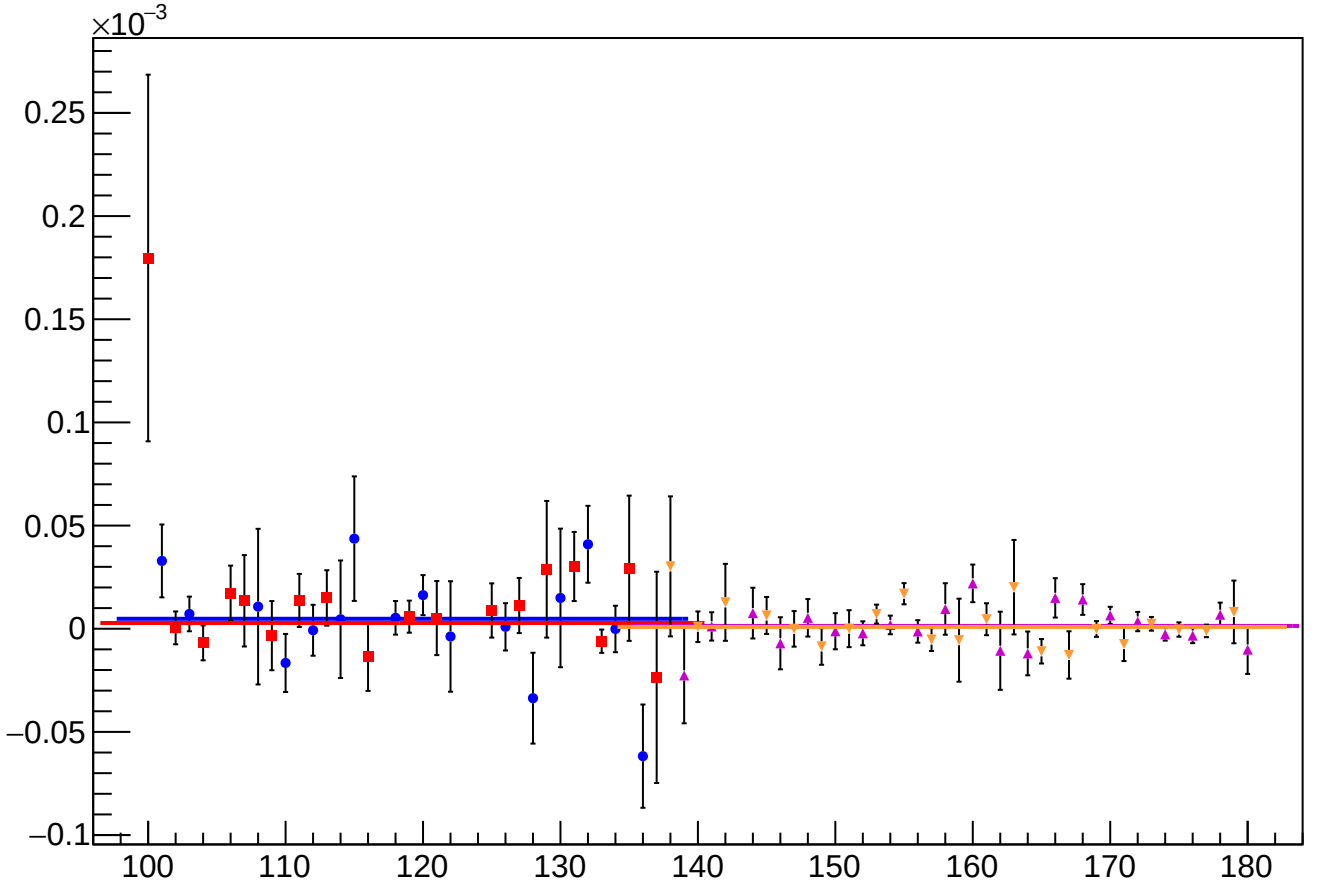
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 73.356+/-0.015 χ^2/NDF:7011225.4/20

\+ sign 75.177+/-0.013 χ^2/NDF: 8448558.8/36

All: 73.492+/-0.009 χ^2/NDF: 18854019.1/75

\- 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:24.0/20

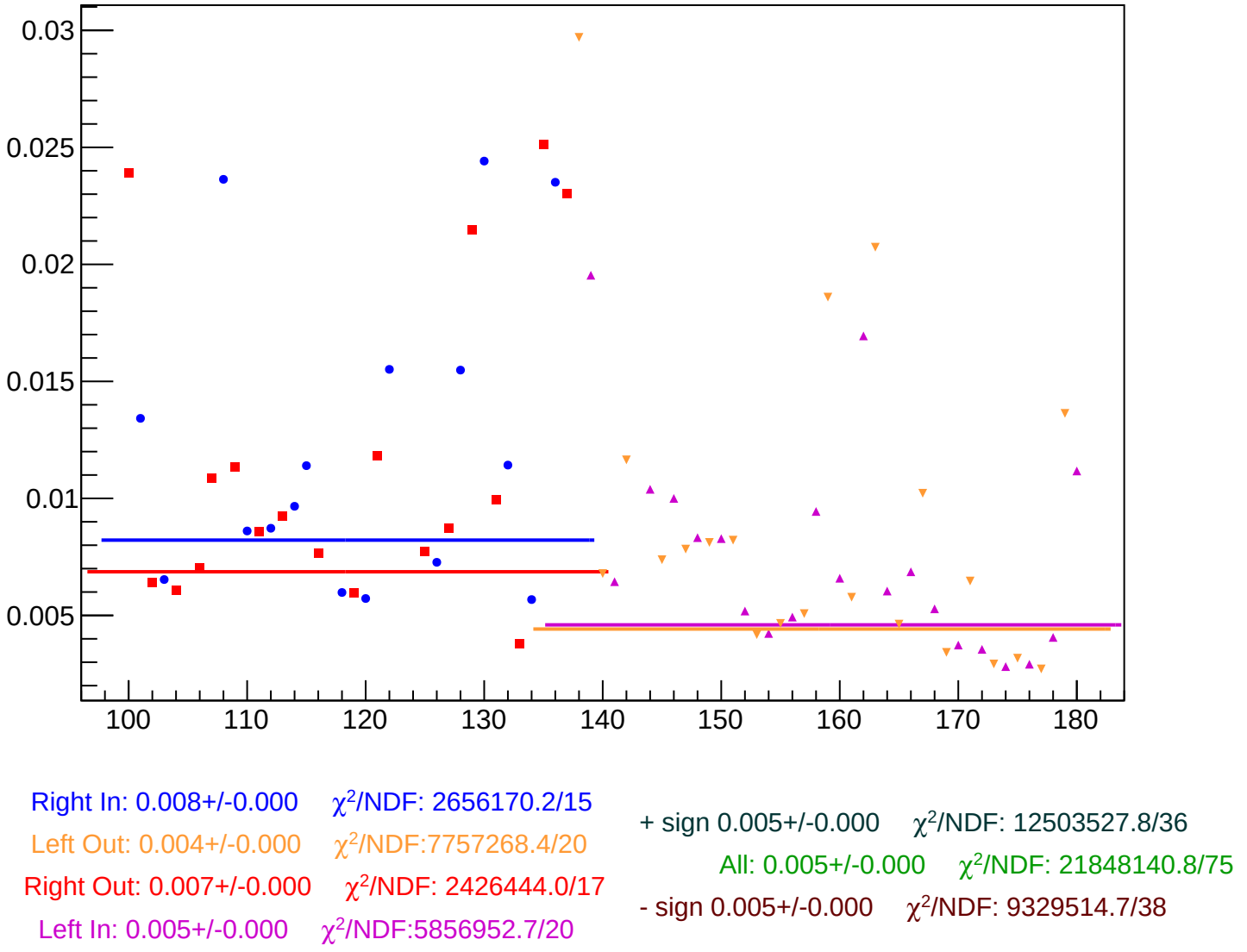
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

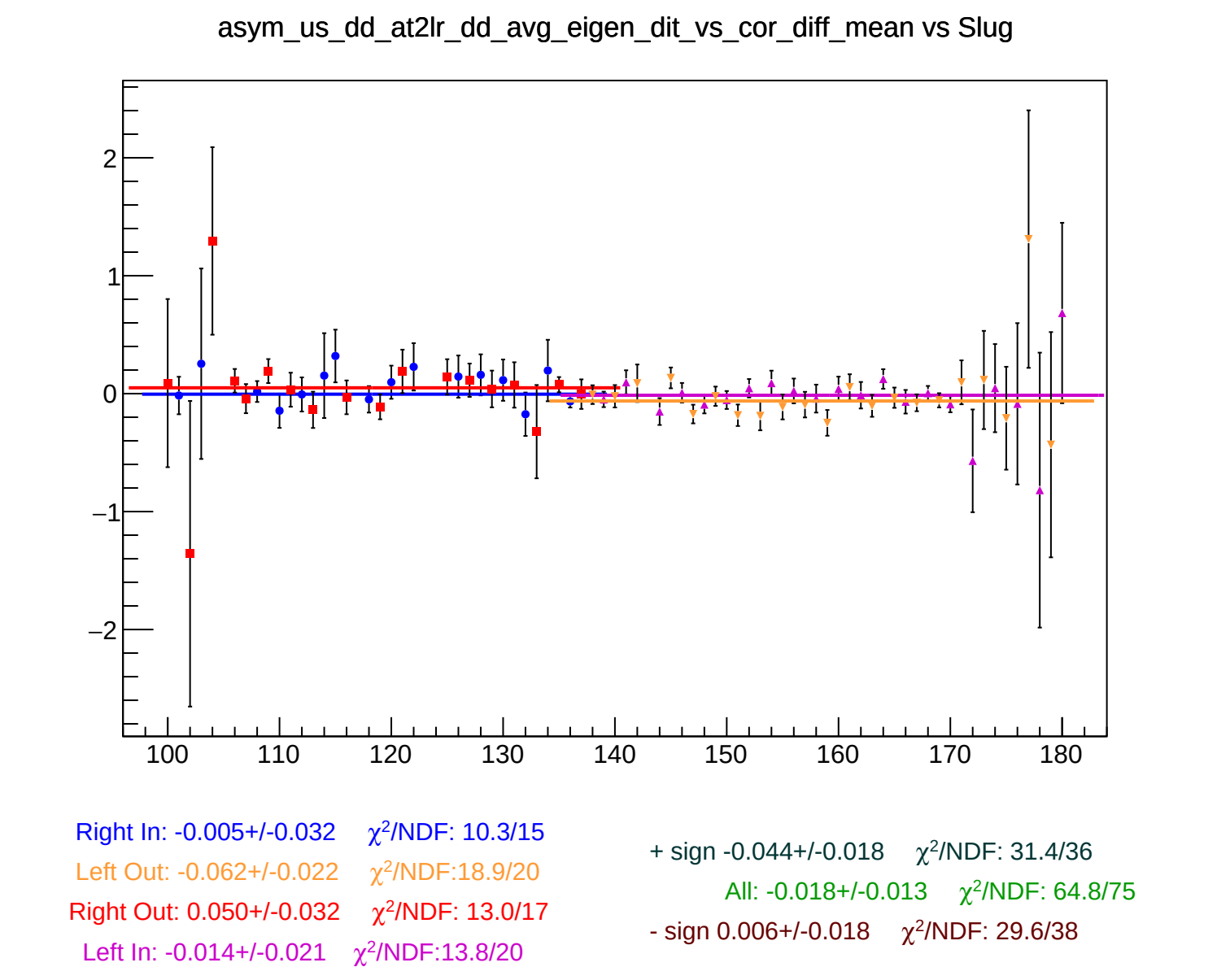
Left In: 0.000+/-0.000 χ^2/NDF:22.1/20

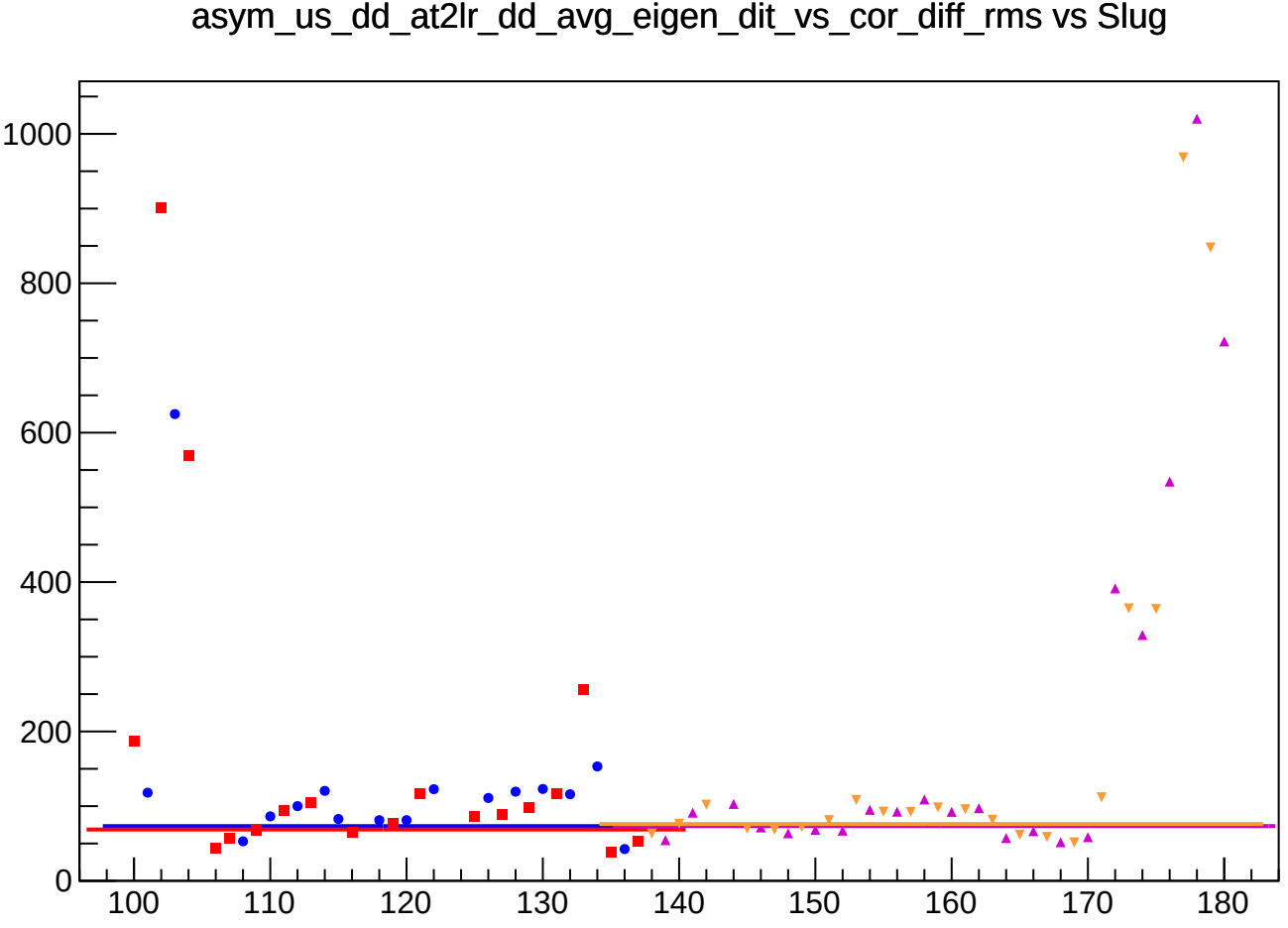
+ sign 0.000+/-0.000 χ^2/NDF: 47.7/36

All: 0.000+/-0.000 χ^2/NDF: 86.9/75

- sign 0.000+/-0.000 χ^2/NDF: 39.1/38


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.004+/-0.000 χ²/NDF:7757268.4/20
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.005+/-0.000 χ²/NDF:5856952.7/20
+ sign 0.005+/-0.000 χ²/NDF: 12503527.8/36
All: 0.005+/-0.000 χ²/NDF: 21848140.8/75
- sign 0.005+/-0.000 χ²/NDF: 9329514.7/38


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.9/20
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:13.8/20
+ sign -0.044+/-0.018 χ²/NDF: 31.4/36
All: -0.018+/-0.013 χ²/NDF: 64.8/75
- sign 0.006+/-0.018 χ²/NDF: 29.6/38



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.093+/-0.016 χ^2/NDF:5583176.4/20

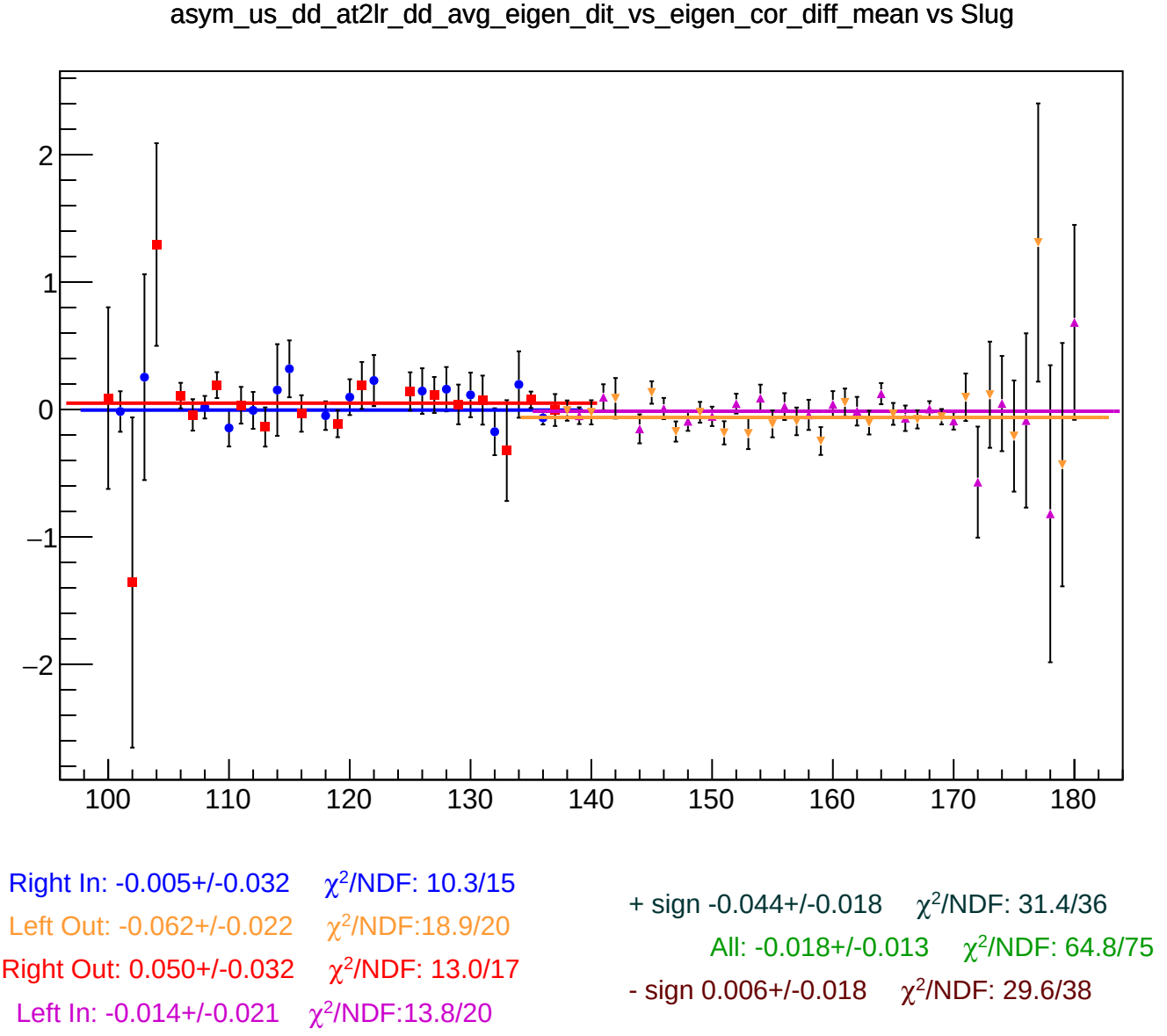
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

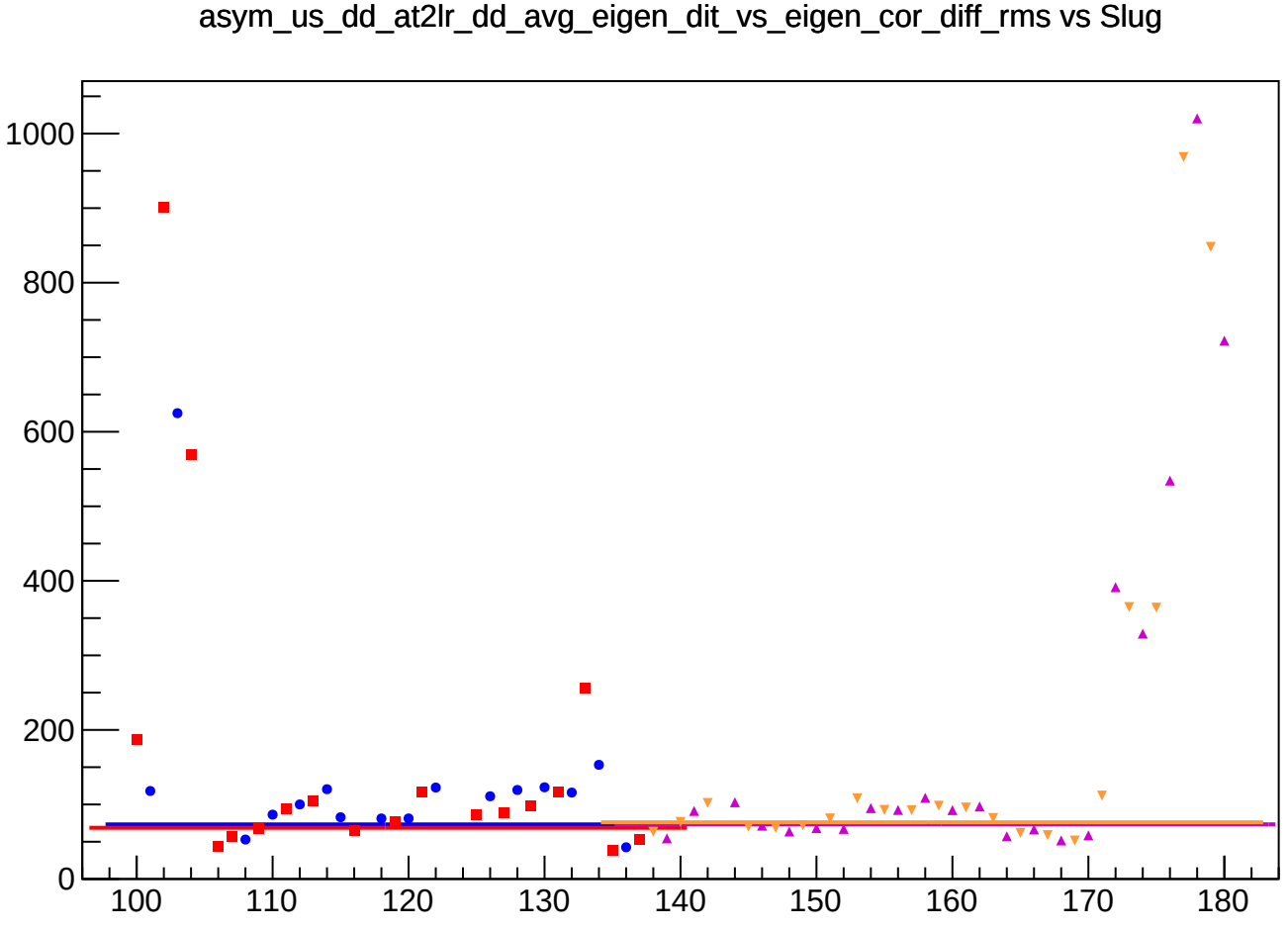
Left In: 73.357+/-0.015 χ^2/NDF:7010946.6/20

+ sign 75.185+/-0.013 χ^2/NDF: 8445986.9/36

All: 73.494+/-0.009 χ^2/NDF: 18852550.3/75

- sign 71.924+/-0.012 χ^2/NDF: 10373458.6/38


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.9/20
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:13.8/20
+ sign -0.044+/-0.018 χ²/NDF: 31.4/36
All: -0.018+/-0.013 χ²/NDF: 64.8/75
- sign 0.006+/-0.018 χ²/NDF: 29.6/38



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.093+/-0.016 χ^2/NDF:5583176.4/20

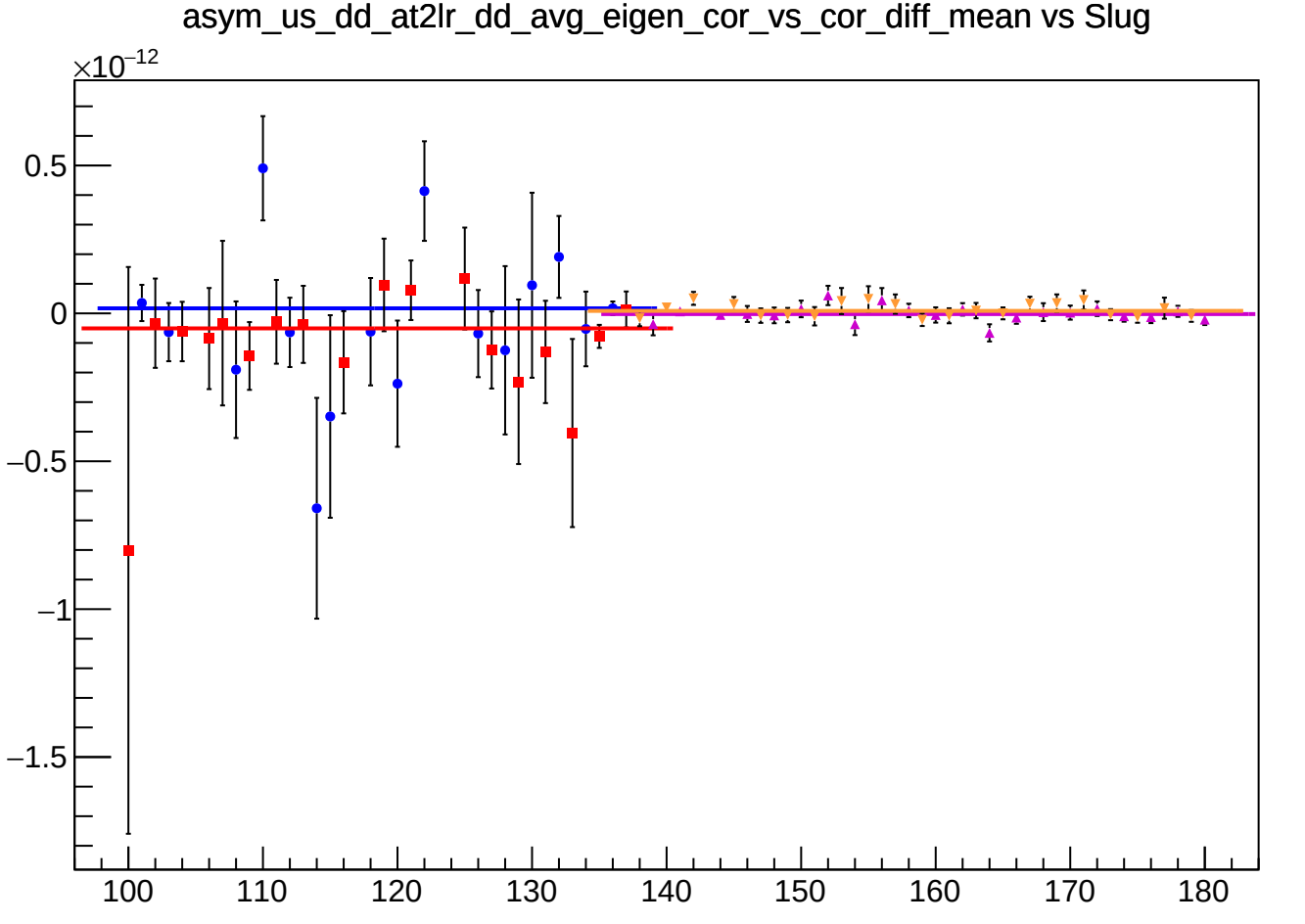
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 73.357+/-0.015 χ^2/NDF:7010946.6/20

+ sign 75.185+/-0.013 χ^2/NDF: 8445986.9/36

All: 73.494+/-0.009 χ^2/NDF: 18852550.3/75

- 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:17.0/20

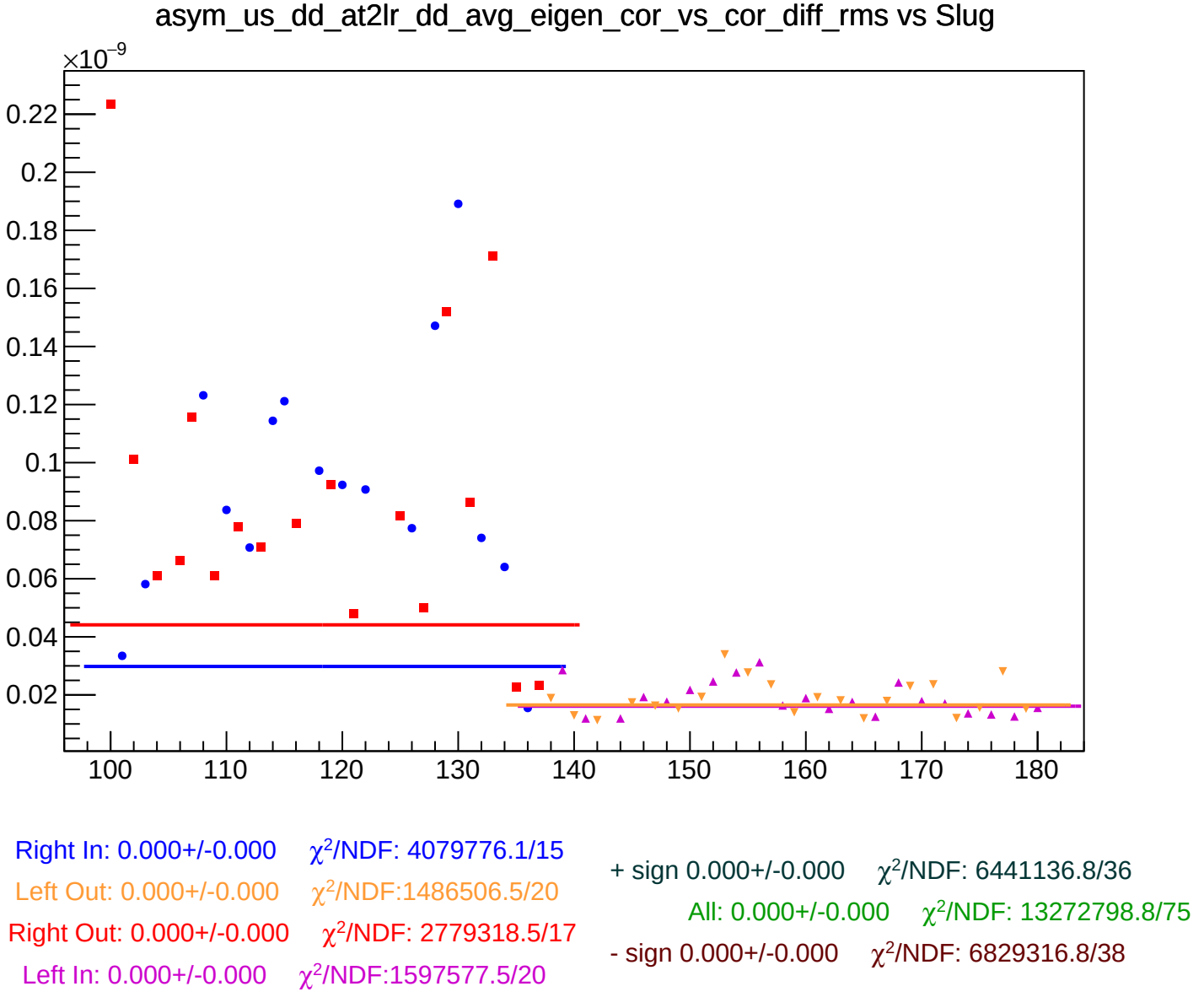
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/20

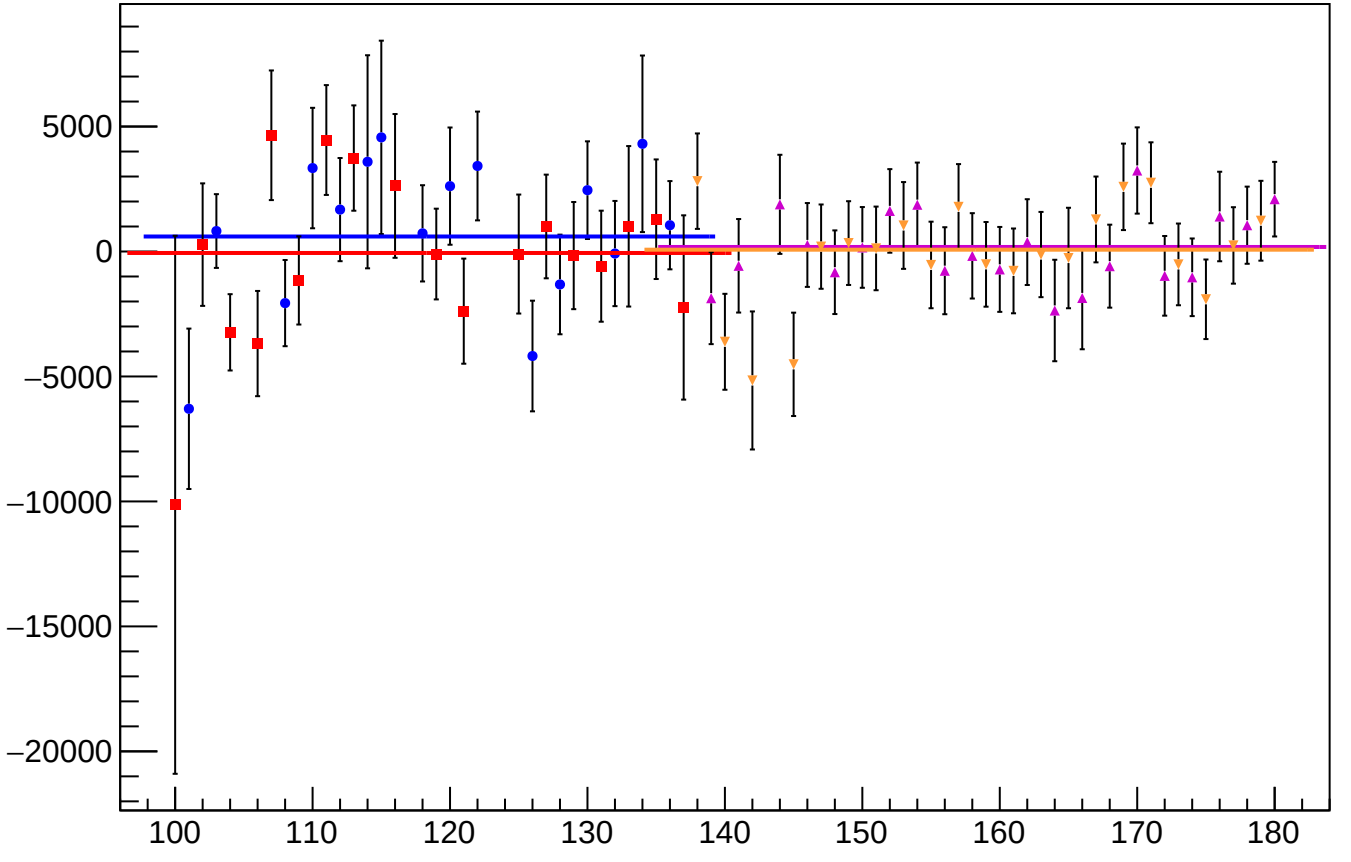
+ sign 0.000+/-0.000 χ^2/NDF: 40.6/36

All: 0.000+/-0.000 χ^2/NDF: 72.4/75

- 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
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1486506.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1597577.5/20
+ sign 0.000+/-0.000 χ²/NDF: 6441136.8/36
All: 0.000+/-0.000 χ²/NDF: 13272798.8/75
- 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: 72.348+/-380.338 χ^2/NDF:23.7/20

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

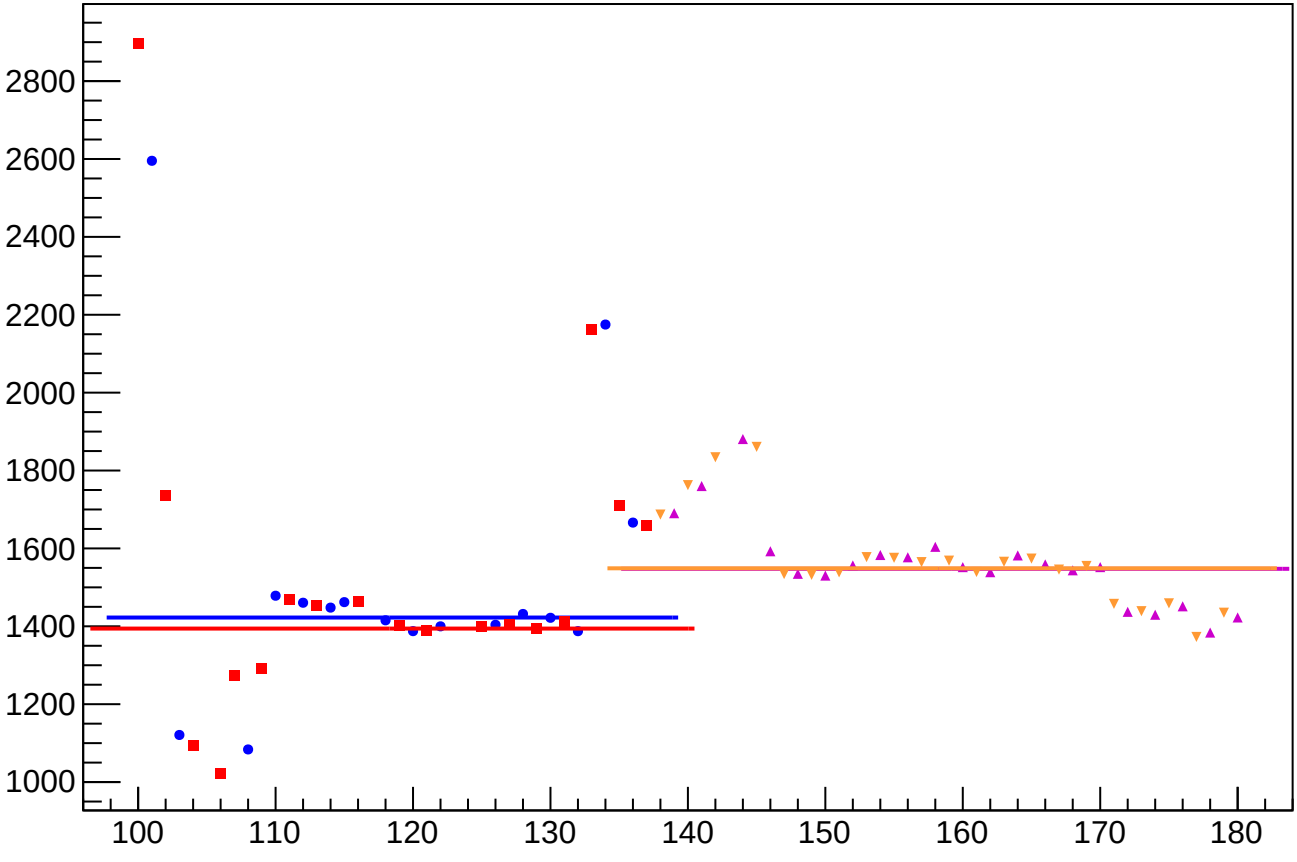
Left In: 181.091+/-373.511 χ^2/NDF:14.4/20

+ sign 247.336+/-310.961 χ^2/NDF: 44.7/36

All: 173.054+/-217.872 χ^2/NDF: 81.8/75

- 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: 1548.914+/-0.269 χ^2/NDF:163069.7/20

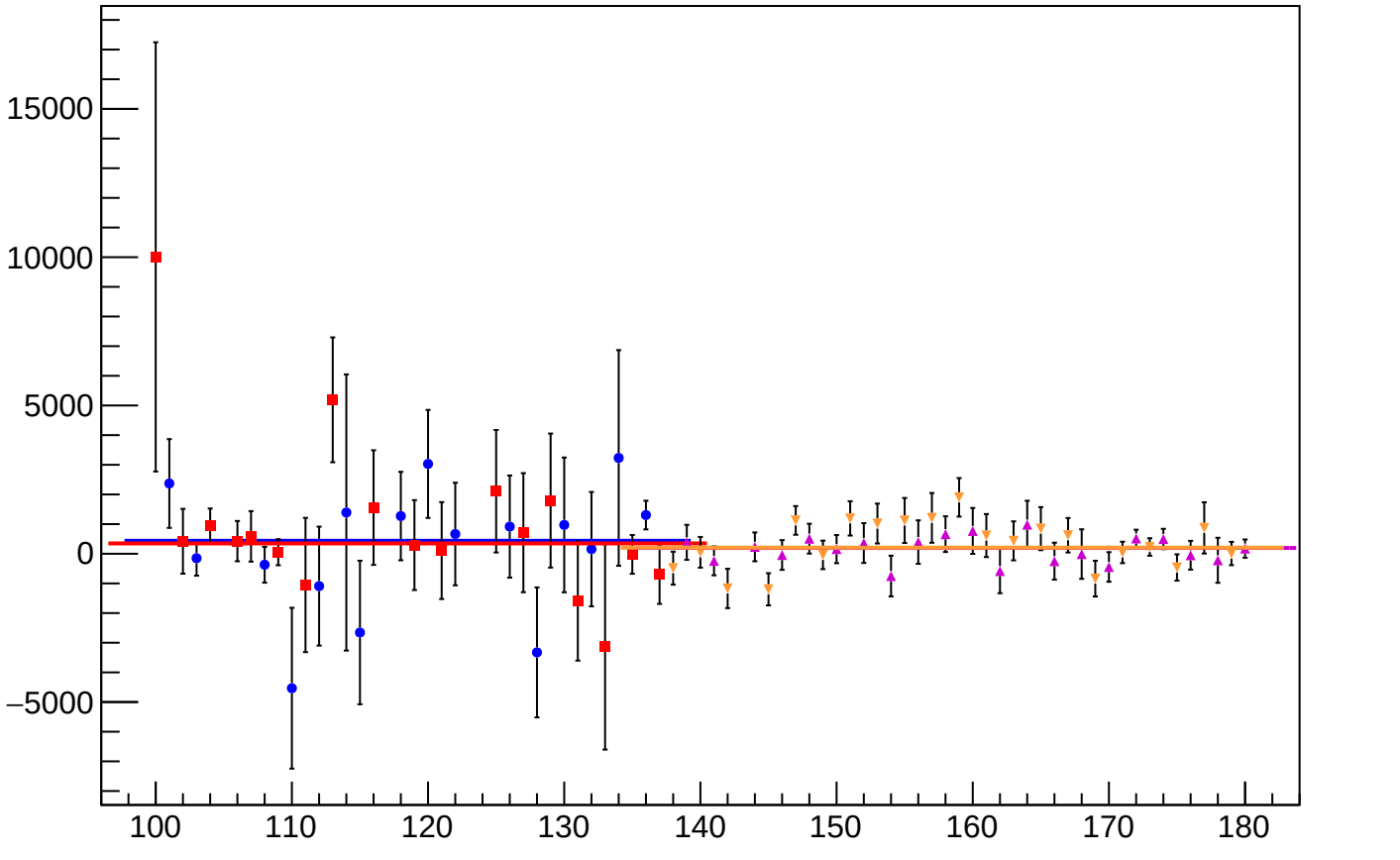
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1547.612+/-0.264 χ^2/NDF:164040.5/20

+ sign 1507.007+/-0.220 χ^2/NDF: 796564.6/36

All: 1501.770+/-0.154 χ^2/NDF: 1467334.5/75

- 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: 206.943+/-114.739 χ^2/NDF:38.7/20

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

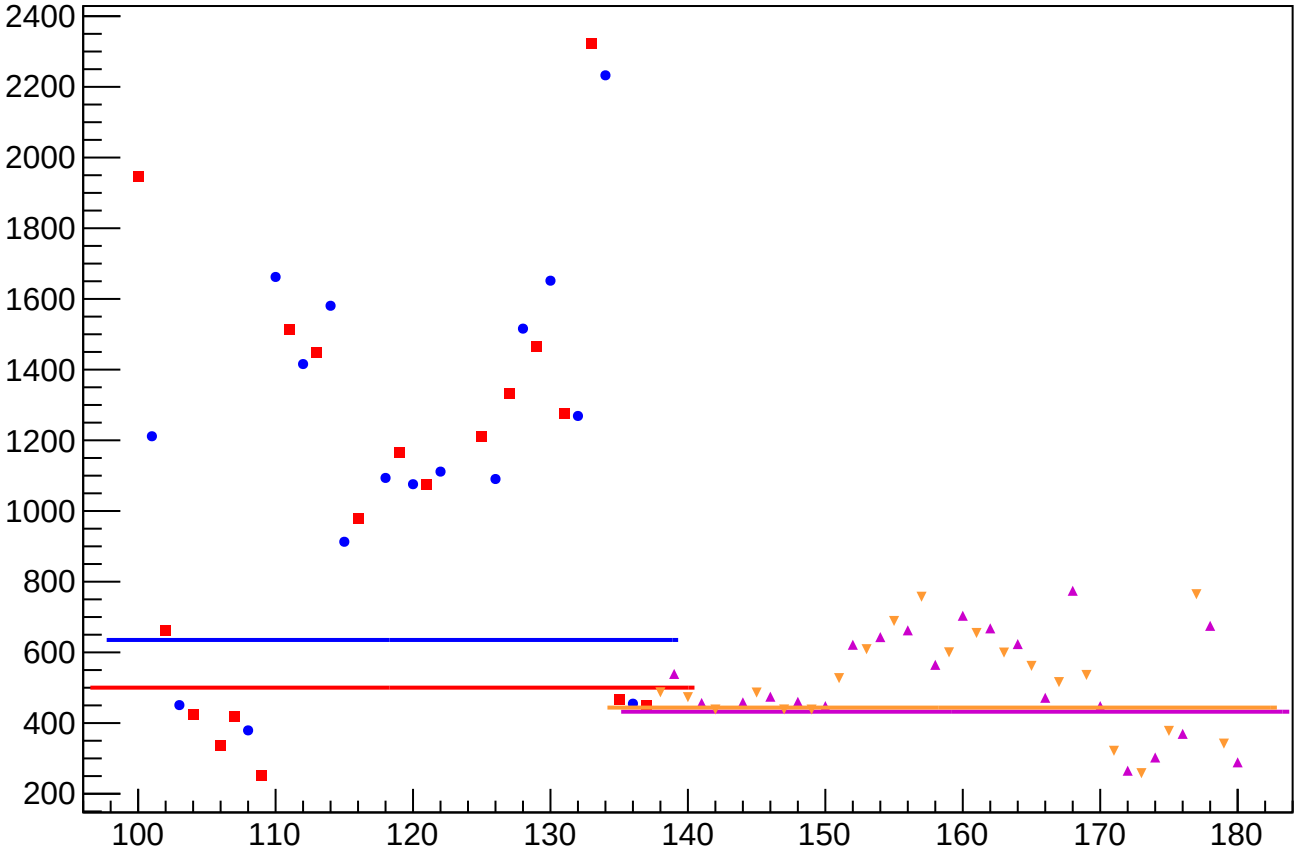
Left In: 195.946+/-110.272 χ^2/NDF:11.5/20

+ sign 240.789+/-105.944 χ^2/NDF: 58.6/36

All: 231.745+/-72.618 χ^2/NDF: 84.4/75

- sign 223.730+/-99.731 χ^2/NDF: 25.7/38

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 443.803+/-0.081 χ^2/NDF:2688583.8/20

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

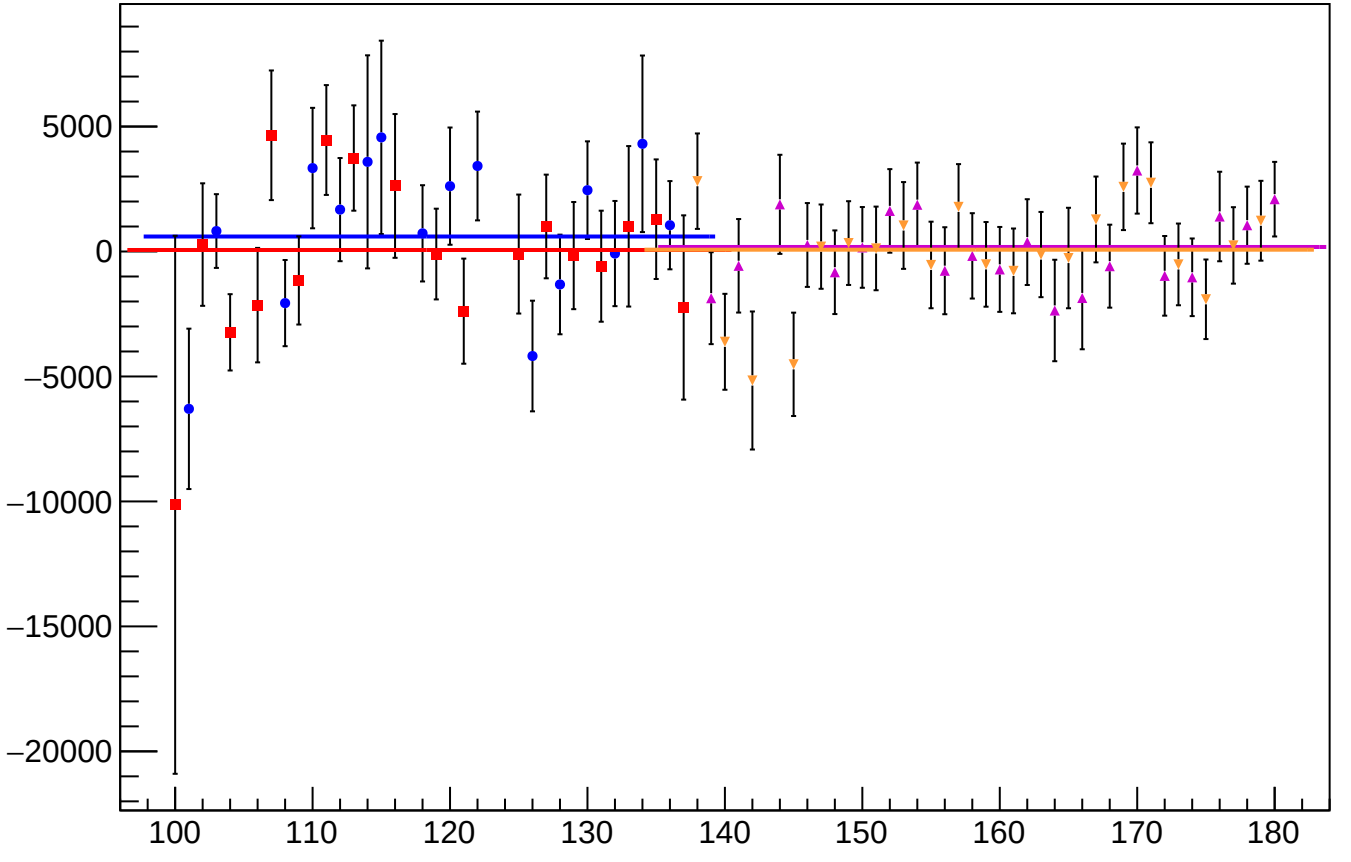
Left In: 432.136+/-0.078 χ^2/NDF:3243527.6/20

+ sign 472.012+/-0.075 χ^2/NDF: 7261097.8/36

All: 457.443+/-0.051 χ^2/NDF: 15023896.1/75

- sign 444.532+/-0.071 χ^2/NDF: 7691460.6/38

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 72.345+/-380.338 χ^2/NDF:23.7/20

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

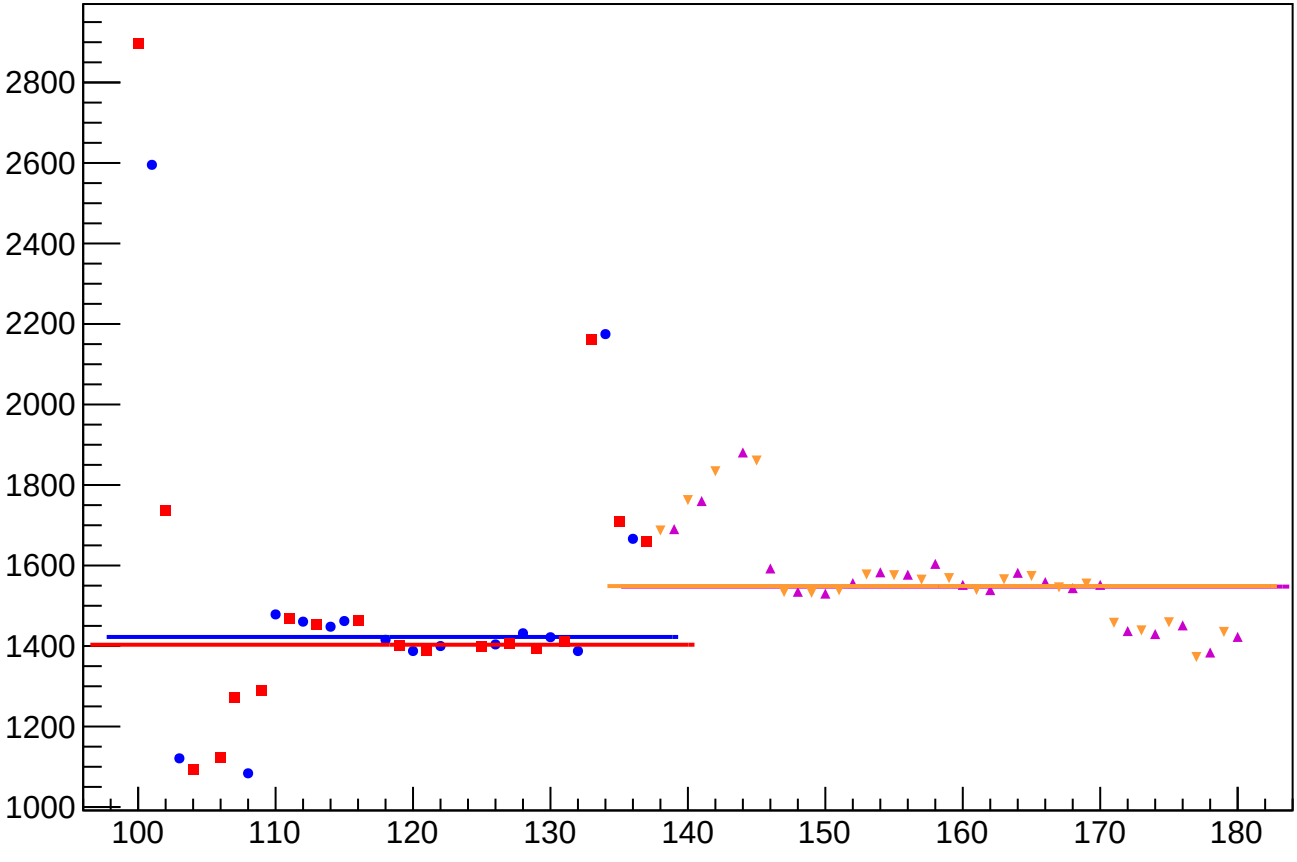
Left In: 181.142+/-373.511 χ^2/NDF:14.4/20

\+ sign 247.292+/-310.961 χ^2/NDF: 44.7/36

All: 193.441+/-218.053 χ^2/NDF: 79.5/75

\- 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: 1548.914+/-0.269 χ^2/NDF:163069.7/20

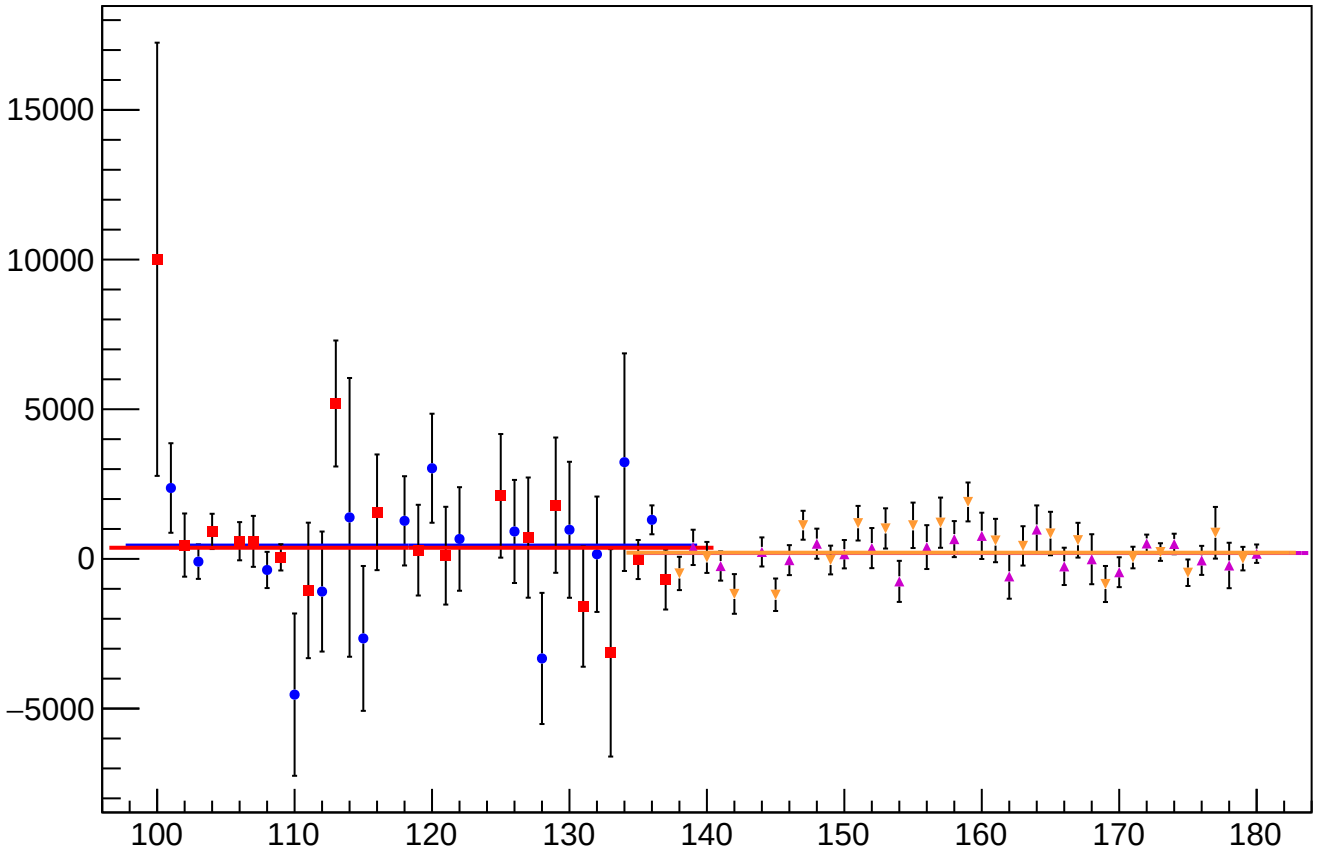
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1547.613+/-0.264 χ^2/NDF:164040.5/20

+ sign 1507.007+/-0.220 χ^2/NDF: 796564.9/36

All: 1503.464+/-0.154 χ^2/NDF: 1418712.0/75

- 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: 207.015+/-114.739 χ^2/NDF:38.7/20

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

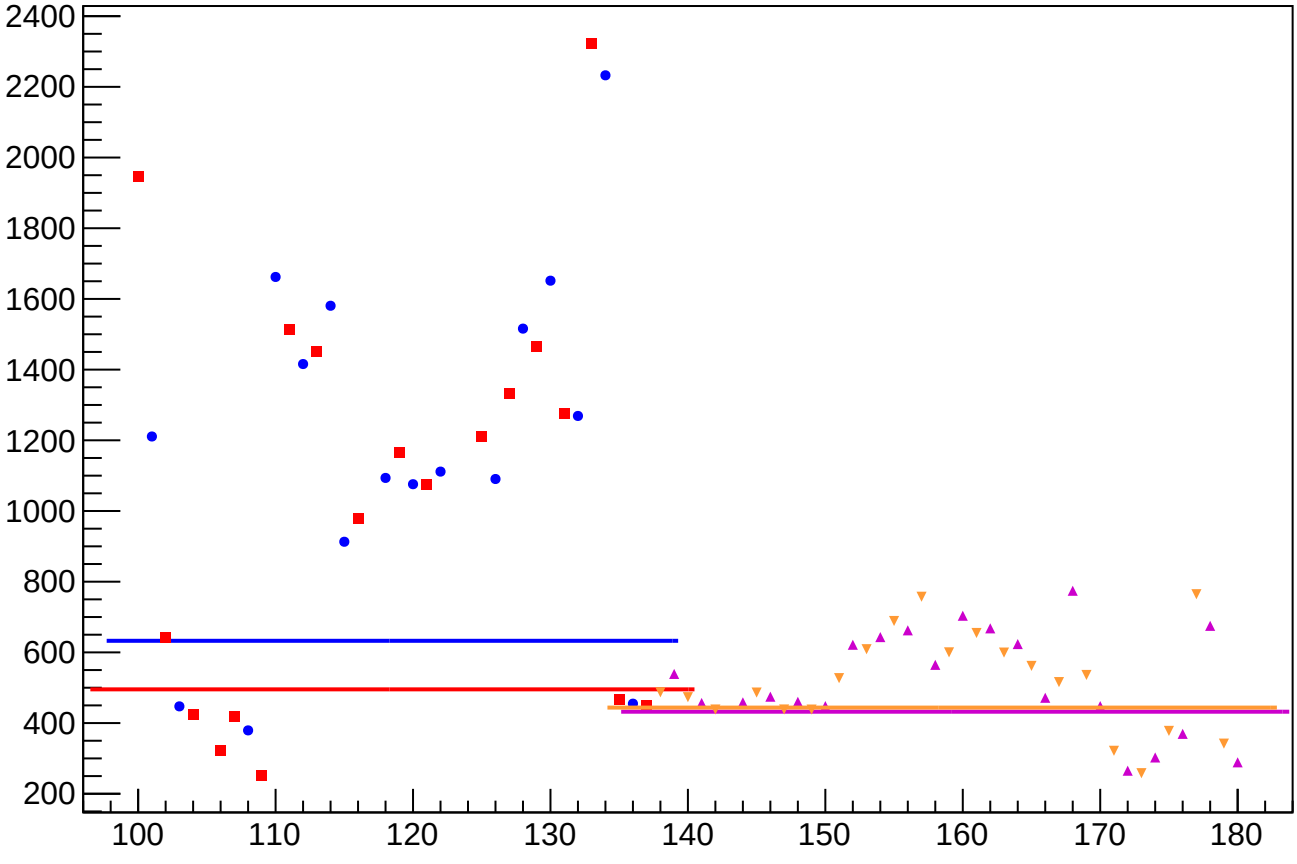
Left In: 196.129+/-110.272 χ^2/NDF:11.5/20

\+ sign 242.377+/-105.877 χ^2/NDF: 58.5/36

All: 235.164+/-72.523 χ^2/NDF: 84.5/75

\- 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: 443.801+/-0.081 χ^2/NDF:2688851.1/20

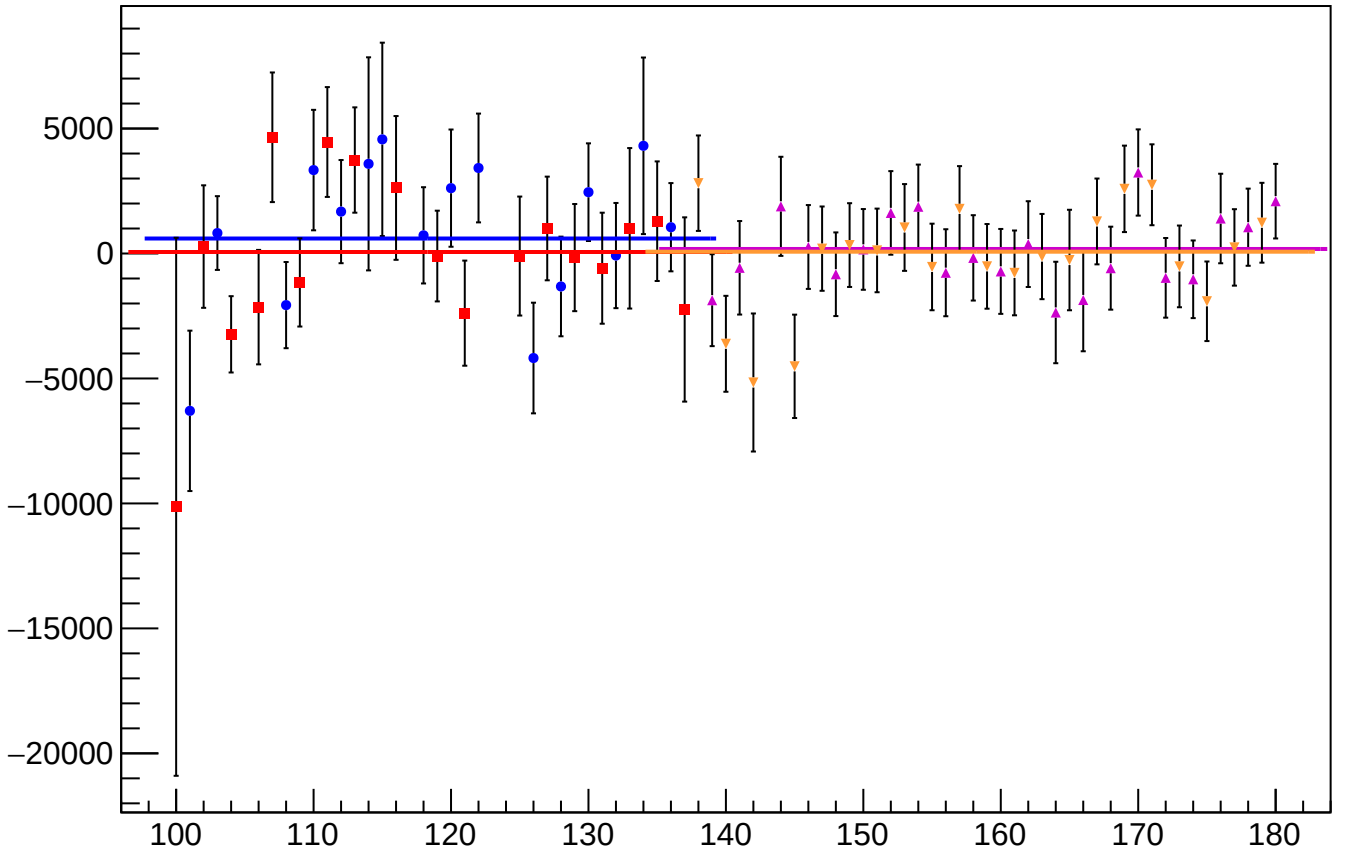
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.136+/-0.078 χ^2/NDF:3243401.2/20

+ sign 471.863+/-0.075 χ^2/NDF: 7262097.1/36

All: 456.991+/-0.051 χ^2/NDF: 15039116.4/75

- 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: 72.345+/-380.338 χ^2/NDF:23.7/20

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

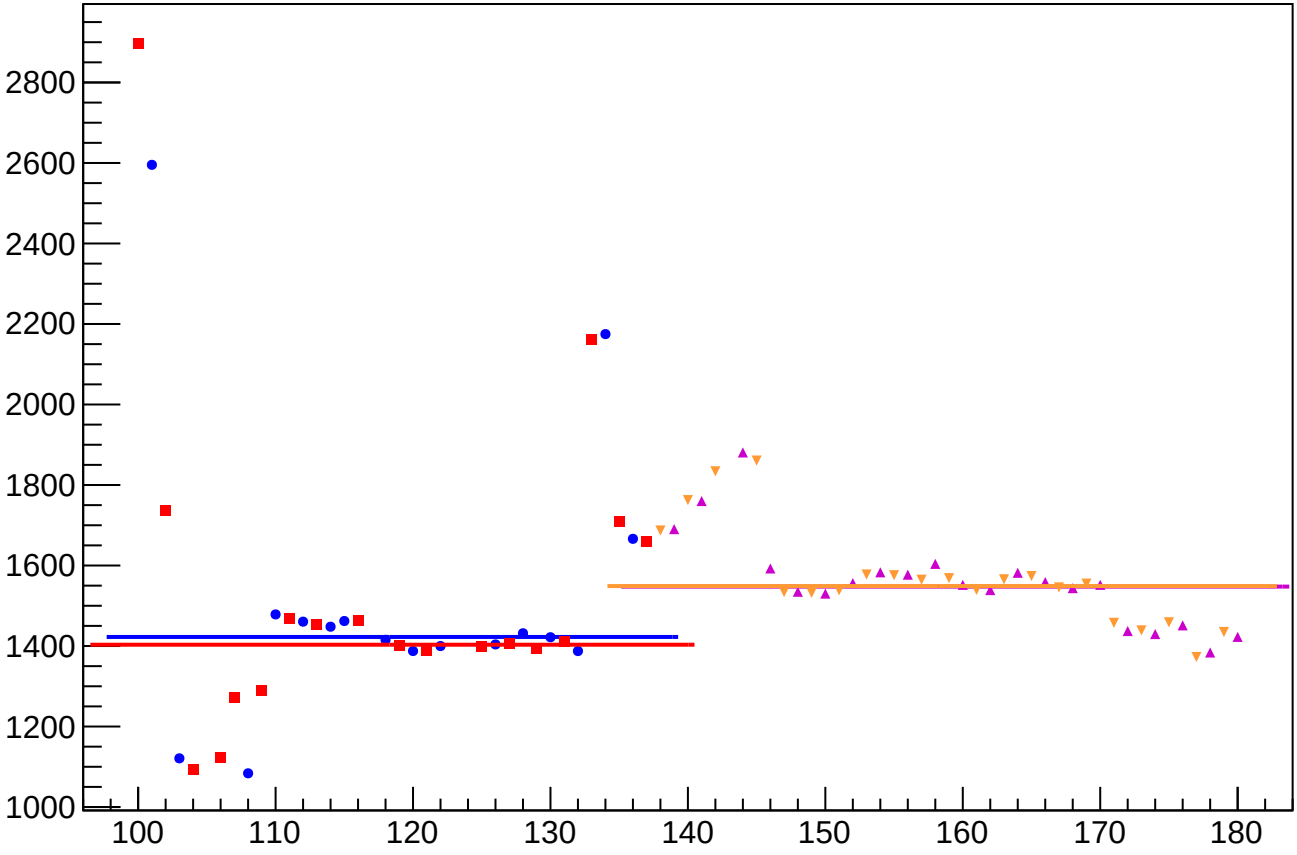
Left In: 181.142+/-373.511 χ^2/NDF:14.4/20

+ sign 247.292+/-310.961 χ^2/NDF: 44.7/36

All: 193.441+/-218.053 χ^2/NDF: 79.5/75

- 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: 1548.914+/-0.269 χ^2/NDF:163069.7/20

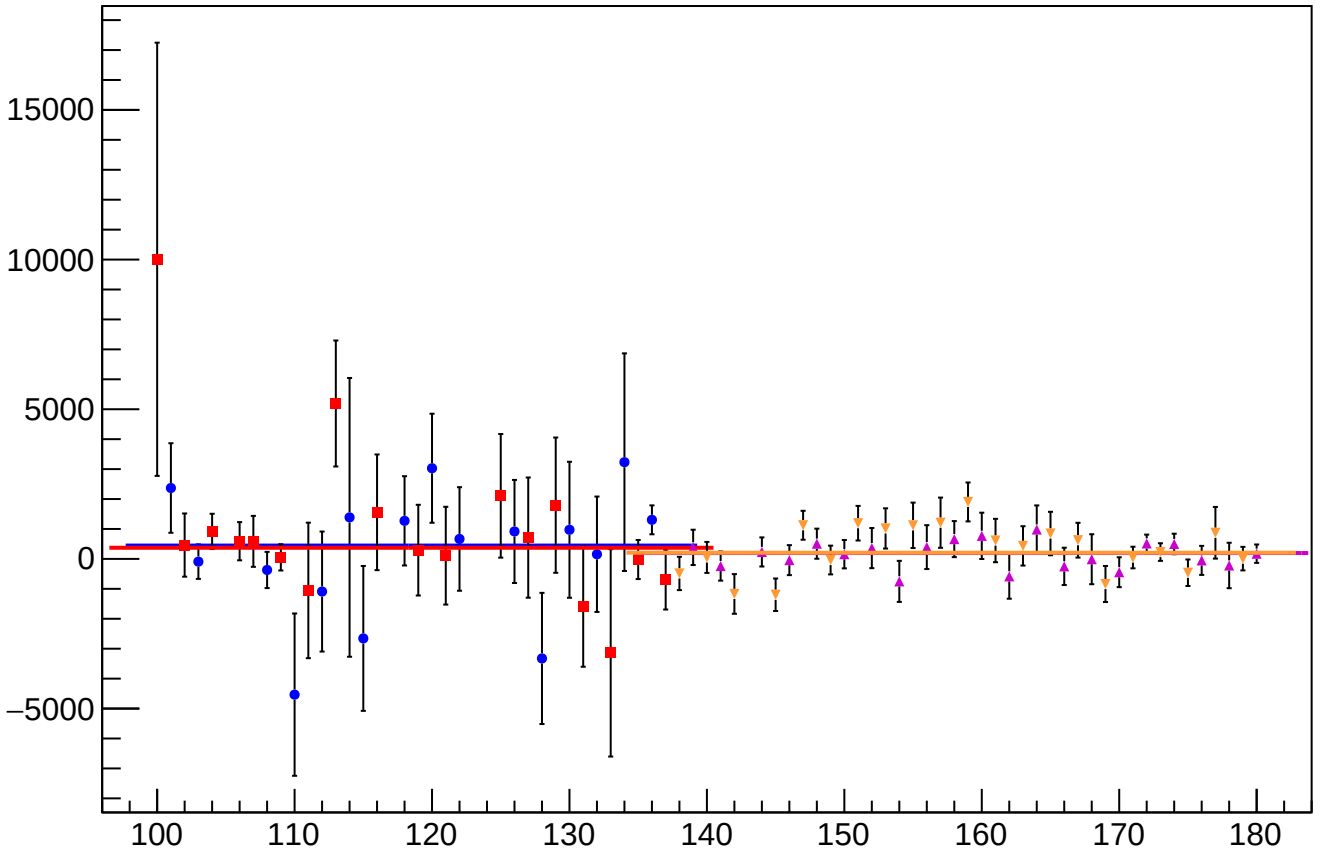
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1547.613+/-0.264 χ^2/NDF:164040.5/20

+ sign 1507.007+/-0.220 χ^2/NDF: 796564.9/36

All: 1503.464+/-0.154 χ^2/NDF: 1418712.0/75

- 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: 207.015+/-114.739 χ^2/NDF:38.7/20

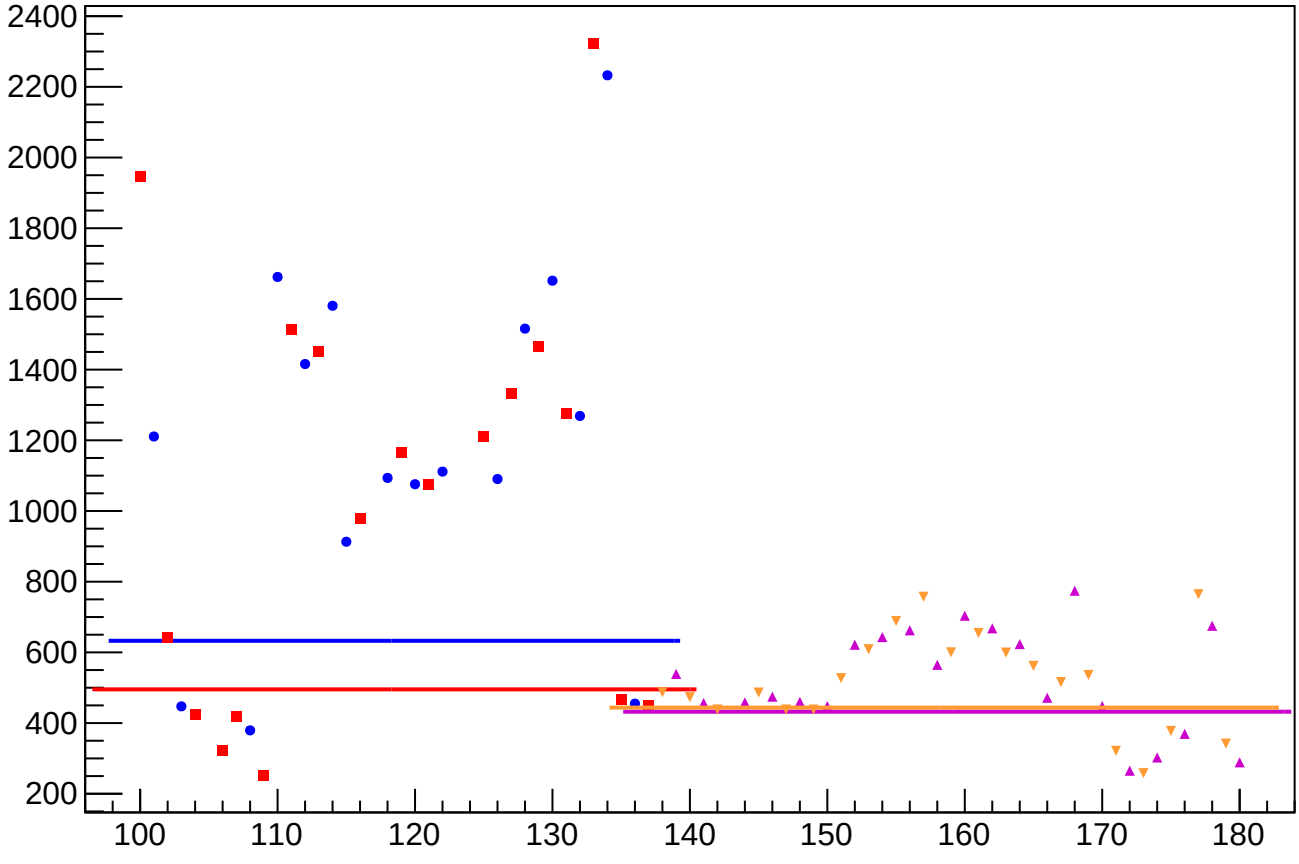
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 196.129+/-110.272 χ^2/NDF:11.5/20

+ sign 242.377+/-105.877 χ^2/NDF: 58.5/36

All: 235.164+/-72.523 χ^2/NDF: 84.5/75

- 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: 443.801+/-0.081 χ^2/NDF:2688851.1/20

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

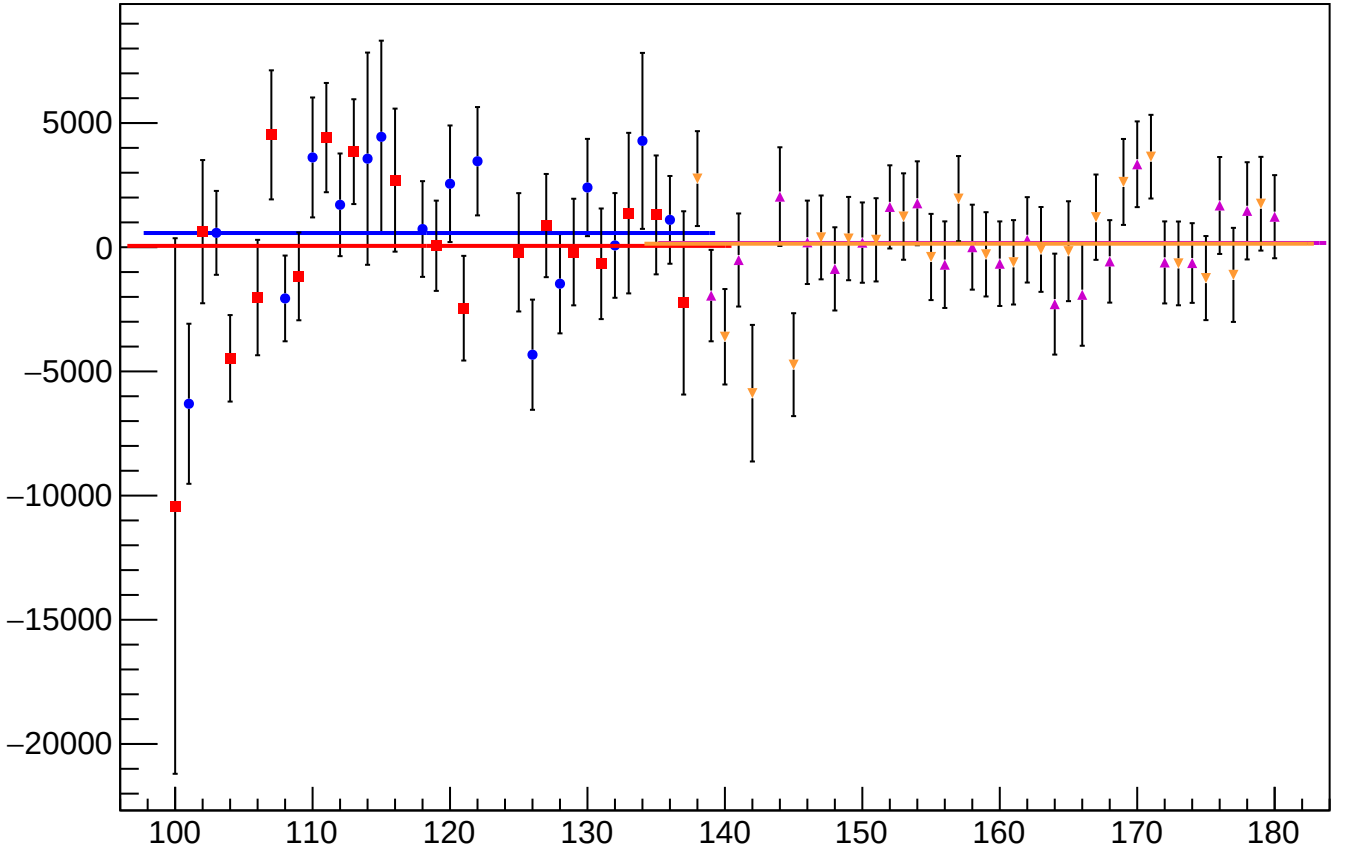
Left In: 432.136+/-0.078 χ^2/NDF:3243401.2/20

+ sign 471.863+/-0.075 χ^2/NDF: 7262097.1/36

All: 456.991+/-0.051 χ^2/NDF: 15039116.4/75

- sign 443.845+/-0.070 χ^2/NDF: 7702673.2/38

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 141.447+/-390.896 χ^2/NDF:26.8/20

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

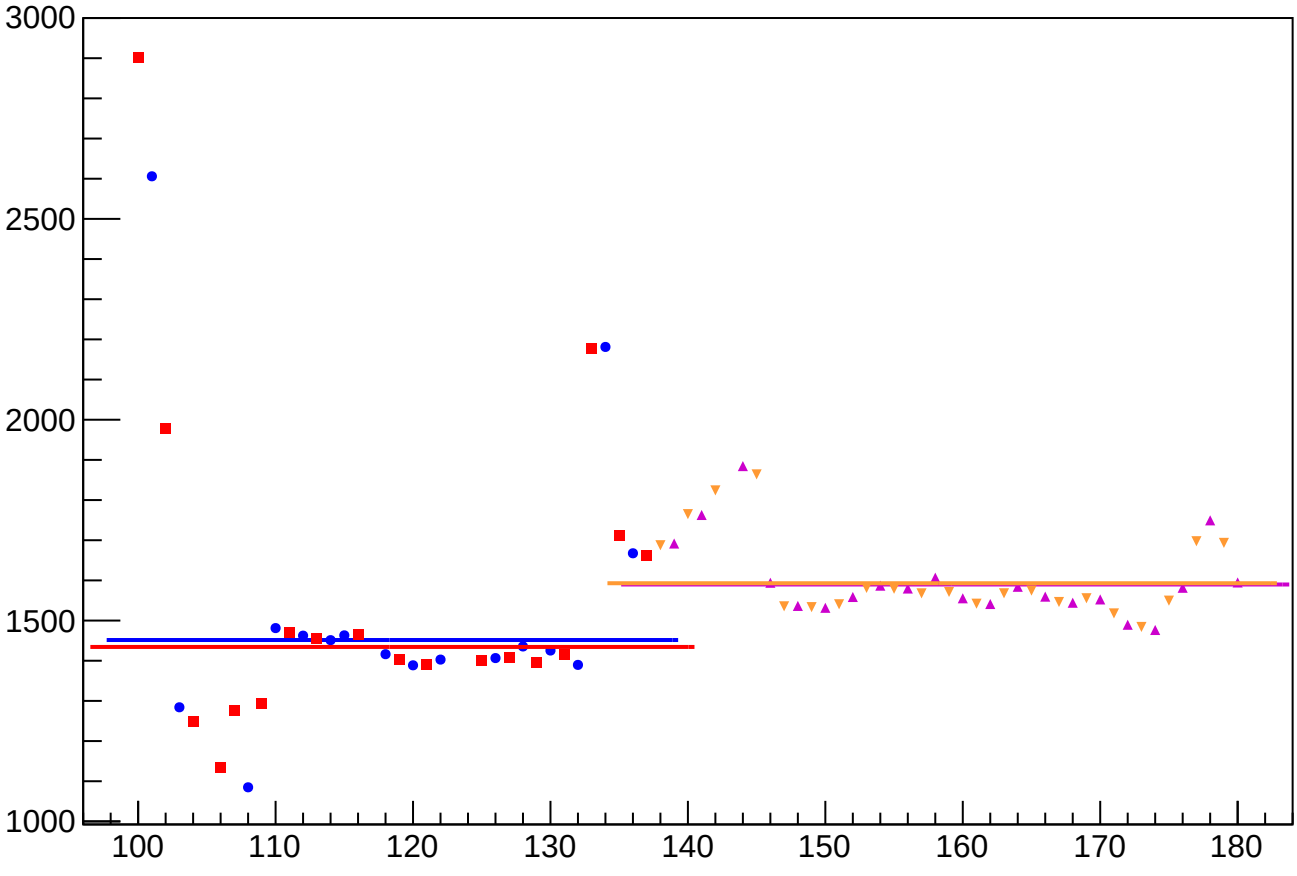
Left In: 171.138+/-383.457 χ^2/NDF:12.9/20

\+ sign 286.166+/-318.551 χ^2/NDF: 48.0/36

All: 208.048+/-223.507 χ^2/NDF: 83.5/75

\- 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: 1592.939+/-0.276 χ^2/NDF:107228.4/20

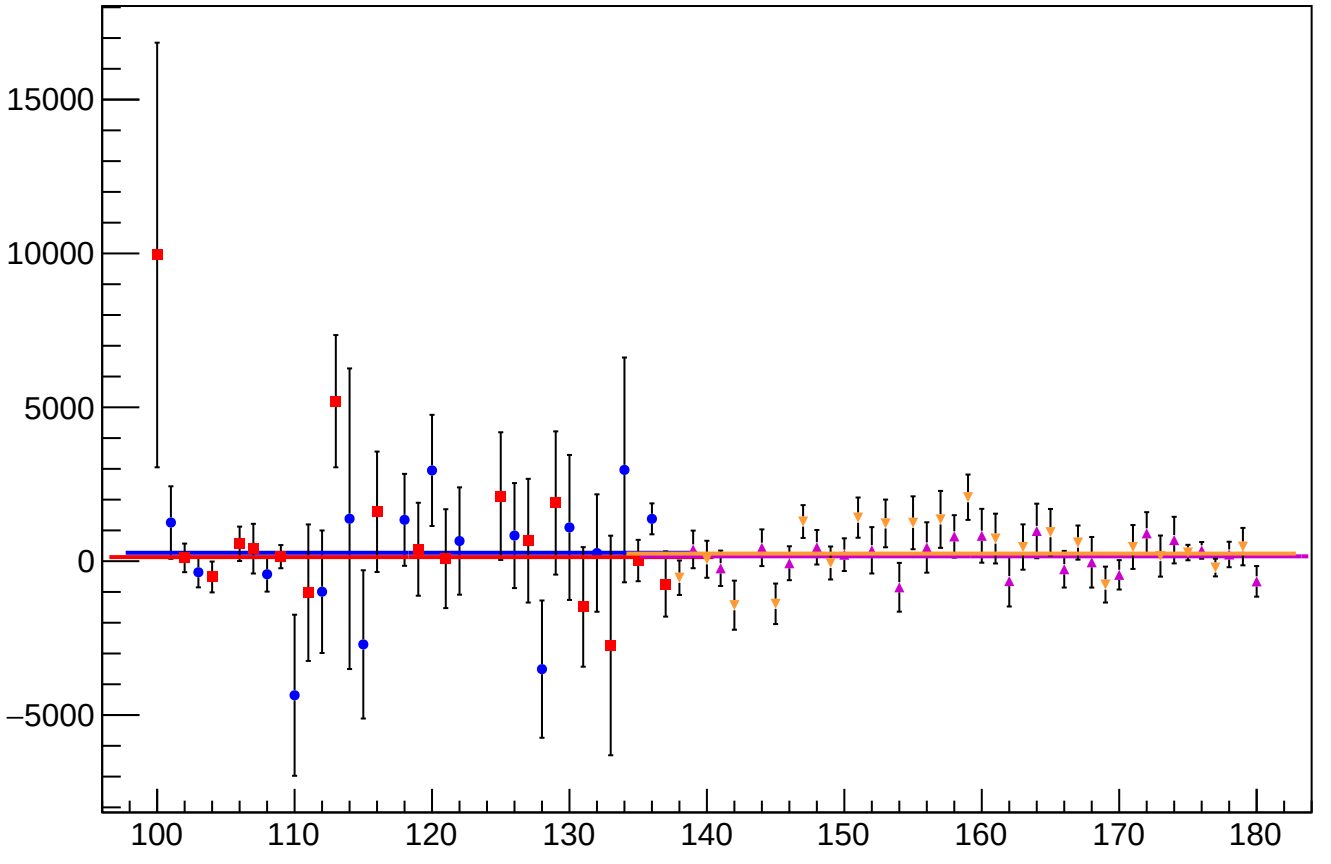
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.795+/-0.271 χ^2/NDF:108782.7/20

+ sign 1545.456+/-0.225 χ^2/NDF: 682919.3/36

All: 1541.853+/-0.158 χ^2/NDF: 1229570.2/75

- 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: 247.262+/-118.351 χ^2/NDF:38.0/20

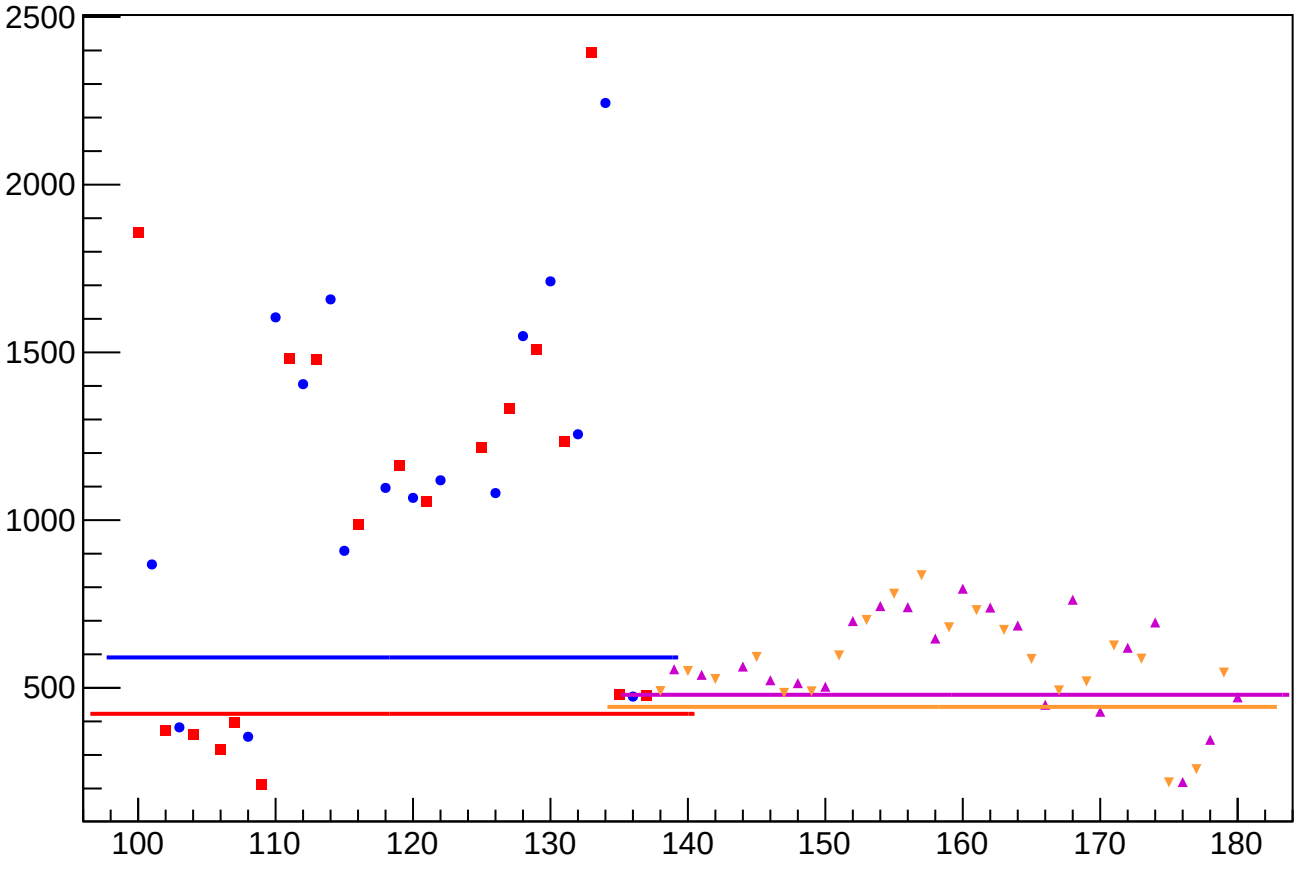
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 157.008+/-123.520 χ^2/NDF:13.3/20

+ sign 251.739+/-107.755 χ^2/NDF: 58.2/36

All: 199.335+/-75.013 χ^2/NDF: 86.4/75

- 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: 443.312+/-0.084 χ^2/NDF:4729575.3/20

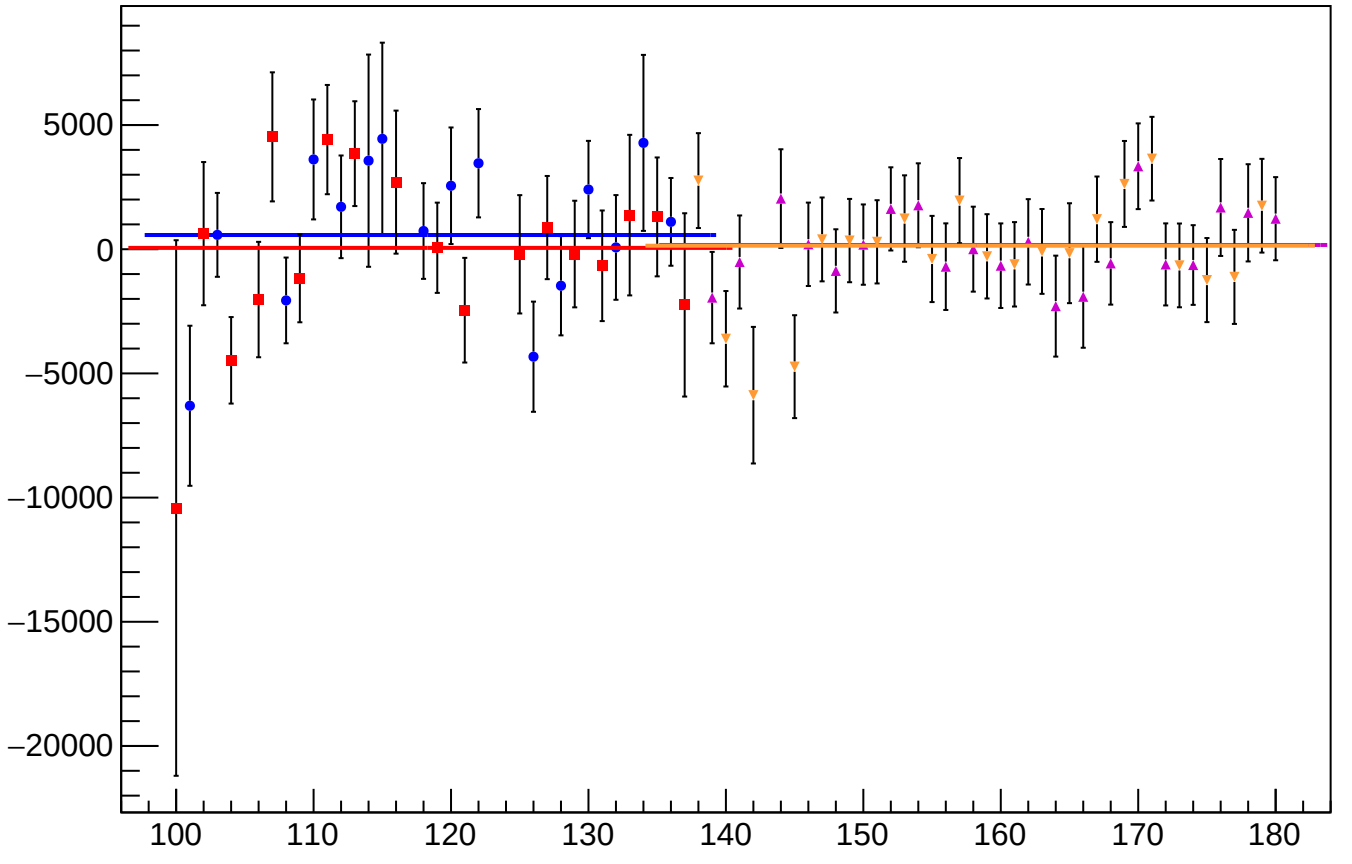
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 479.353+/-0.087 χ^2/NDF:3961155.5/20

+ sign 468.531+/-0.076 χ^2/NDF: 9146002.4/36

All: 465.794+/-0.053 χ^2/NDF: 18087632.2/75

- 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: 141.443+/-390.896 χ^2/NDF:26.8/20

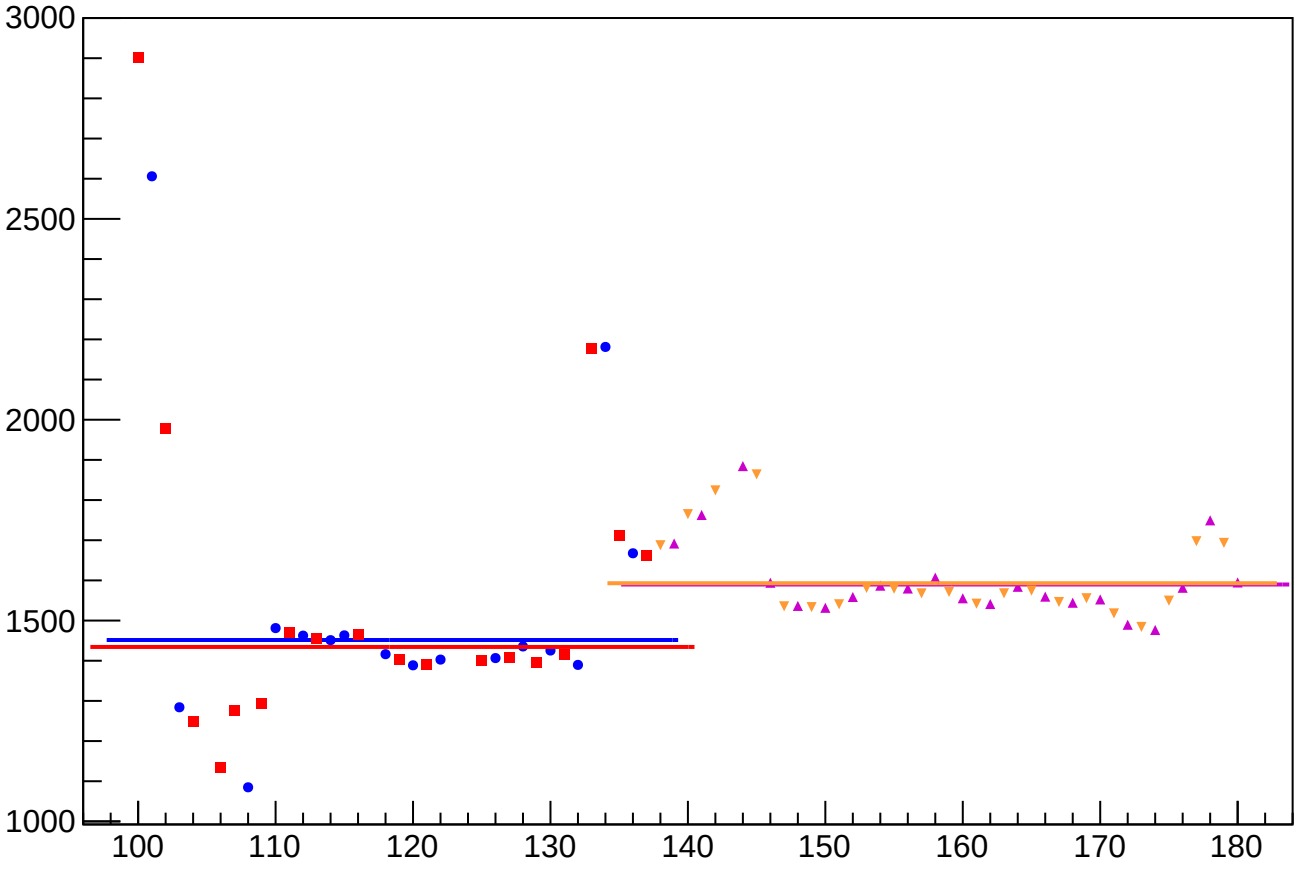
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 171.136+/-383.457 χ^2/NDF:12.9/20

\+ sign 286.163+/-318.551 χ^2/NDF: 48.0/36

All: 208.046+/-223.507 χ^2/NDF: 83.5/75

\- sign 132.302+/-313.677 χ^2/NDF: 35.4/38



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1592.938+/-0.276 χ^2/NDF:107229.0/20

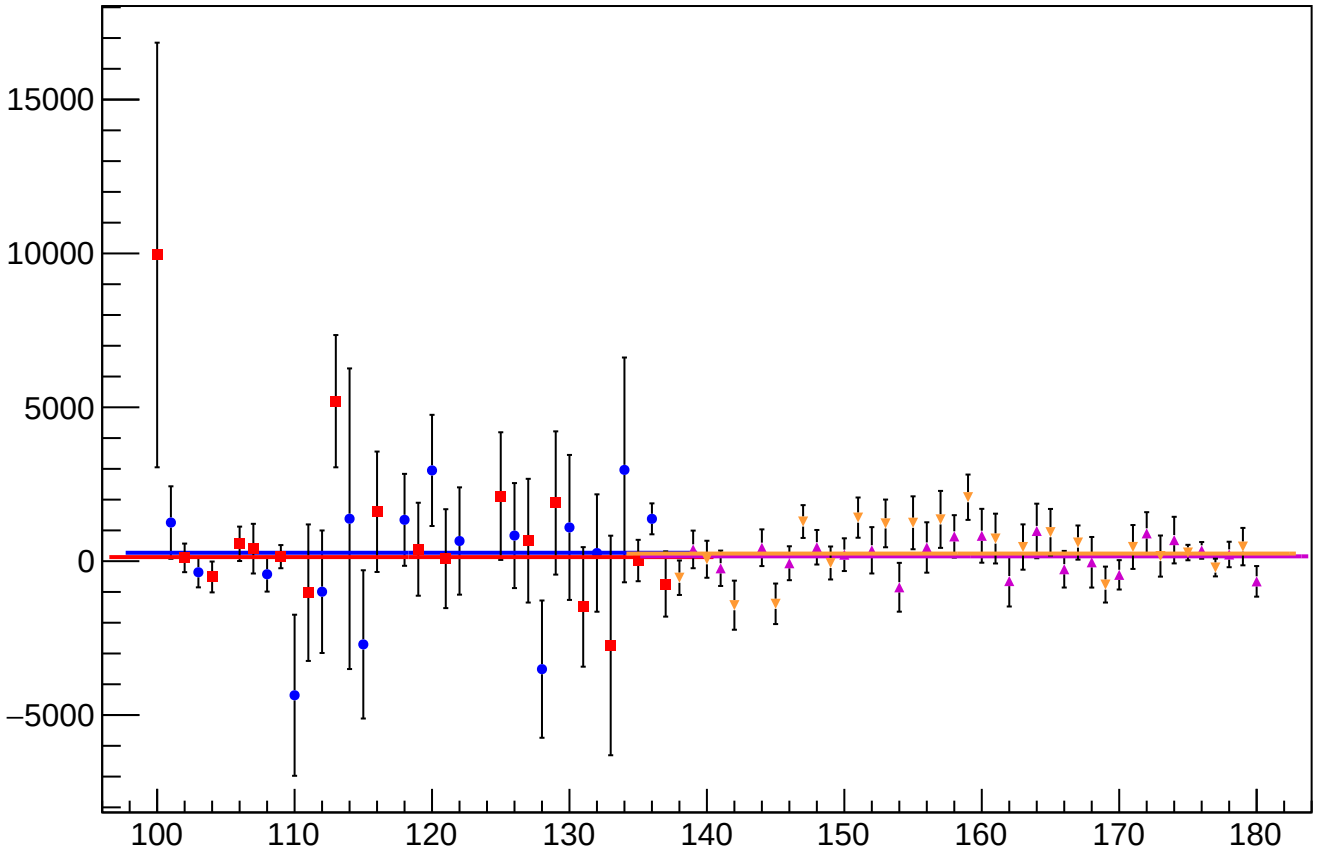
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.795+/-0.271 χ^2/NDF:108783.1/20

+ sign 1545.456+/-0.225 χ^2/NDF: 682919.0/36

All: 1541.852+/-0.158 χ^2/NDF: 1229569.9/75

- 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: 247.268+/-118.352 χ^2/NDF:38.0/20

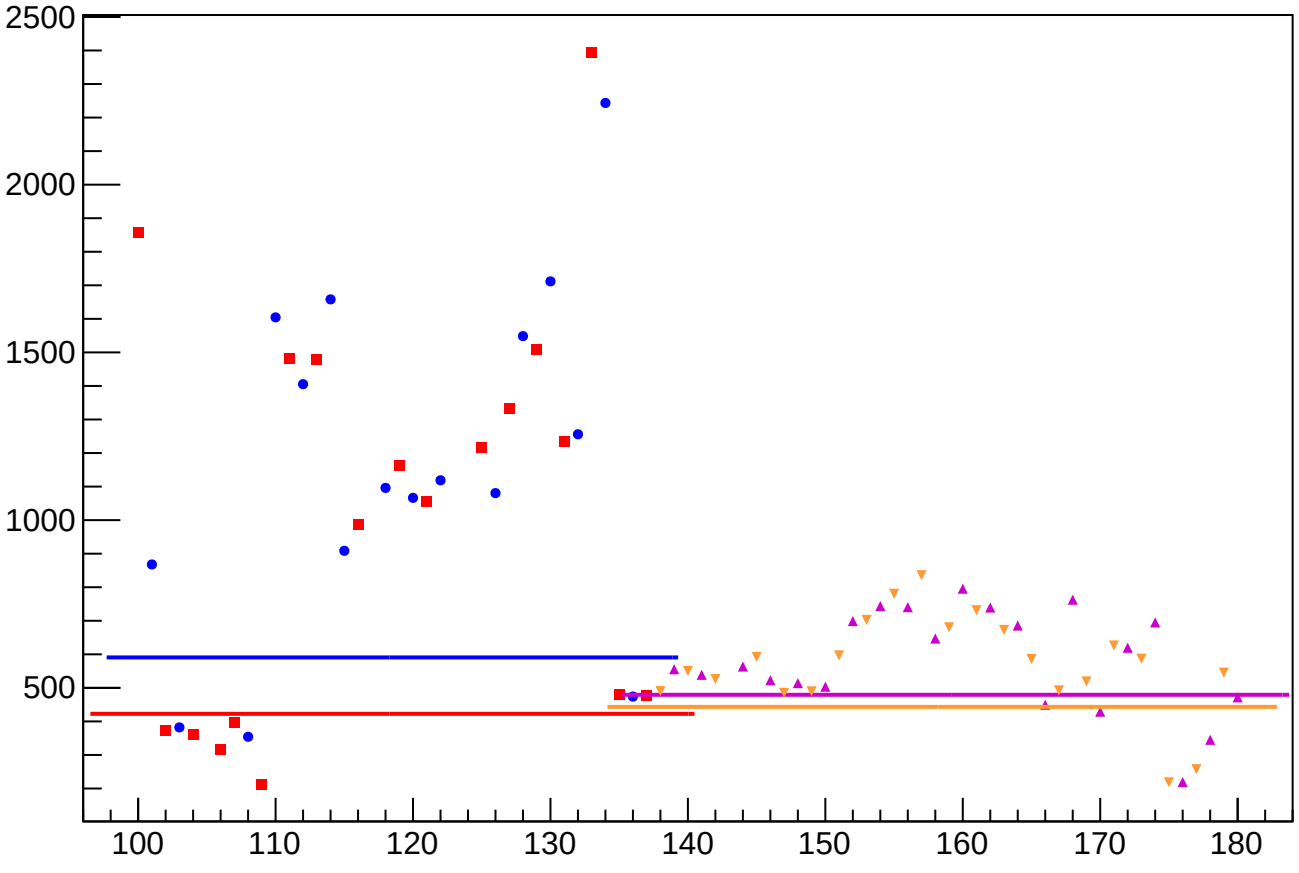
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 157.007+/-123.520 χ^2/NDF:13.3/20

+ sign 251.743+/-107.755 χ^2/NDF: 58.2/36

All: 199.336+/-75.013 χ^2/NDF: 86.4/75

- 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: 443.315+/-0.084 χ^2/NDF:4729431.9/20

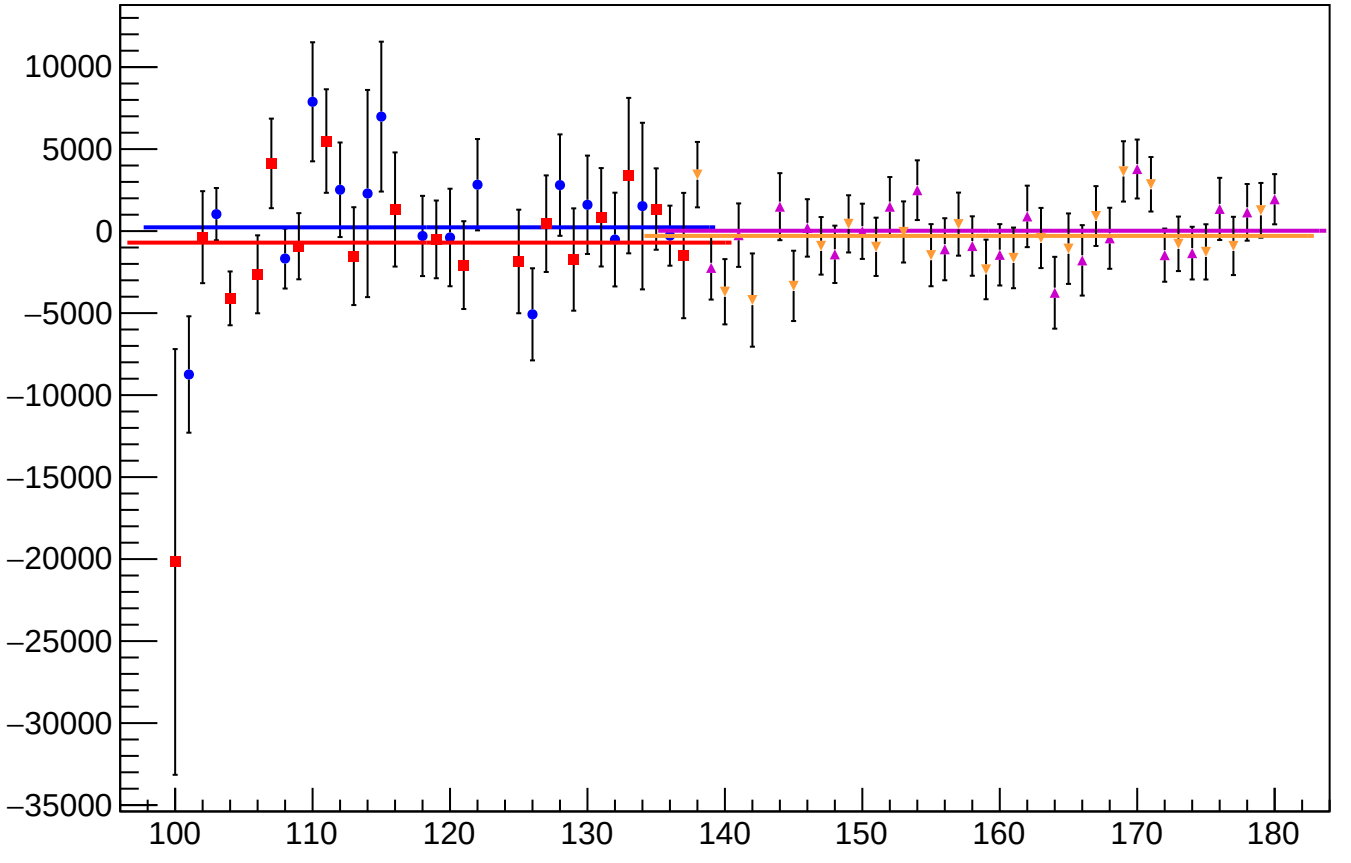
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 479.355+/-0.087 χ^2/NDF:3961068.3/20

+ sign 468.535+/-0.076 χ^2/NDF: 9145846.6/36

All: 465.797+/-0.053 χ^2/NDF: 18087290.1/75

- 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: -292.641+/-404.520 χ^2/NDF:23.3/20

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

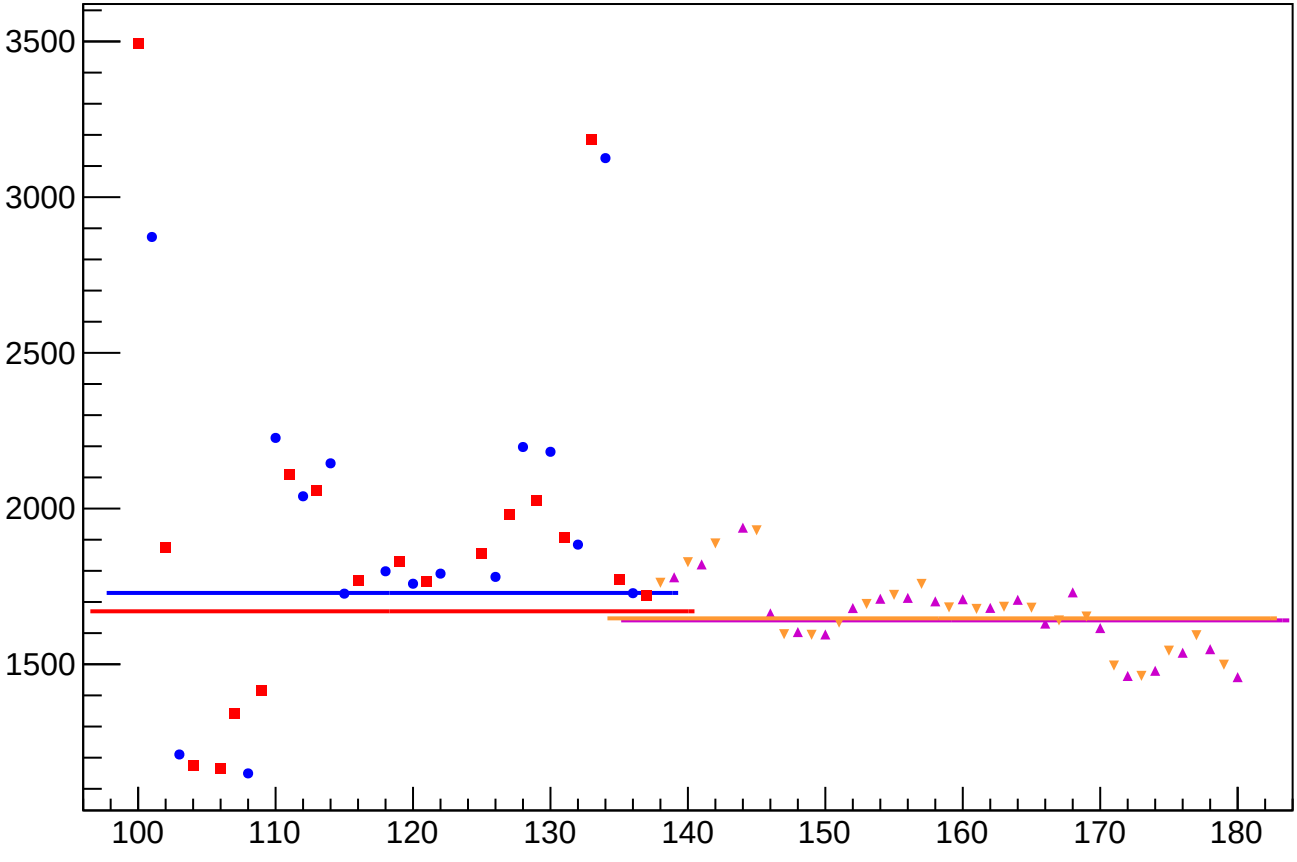
Left In: 22.465+/-396.121 χ^2/NDF:18.7/20

+ sign -151.660+/-345.775 χ^2/NDF: 44.5/36

All: -163.361+/-241.711 χ^2/NDF: 81.1/75

- 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: 1647.413+/-0.286 χ^2/NDF:156096.1/20

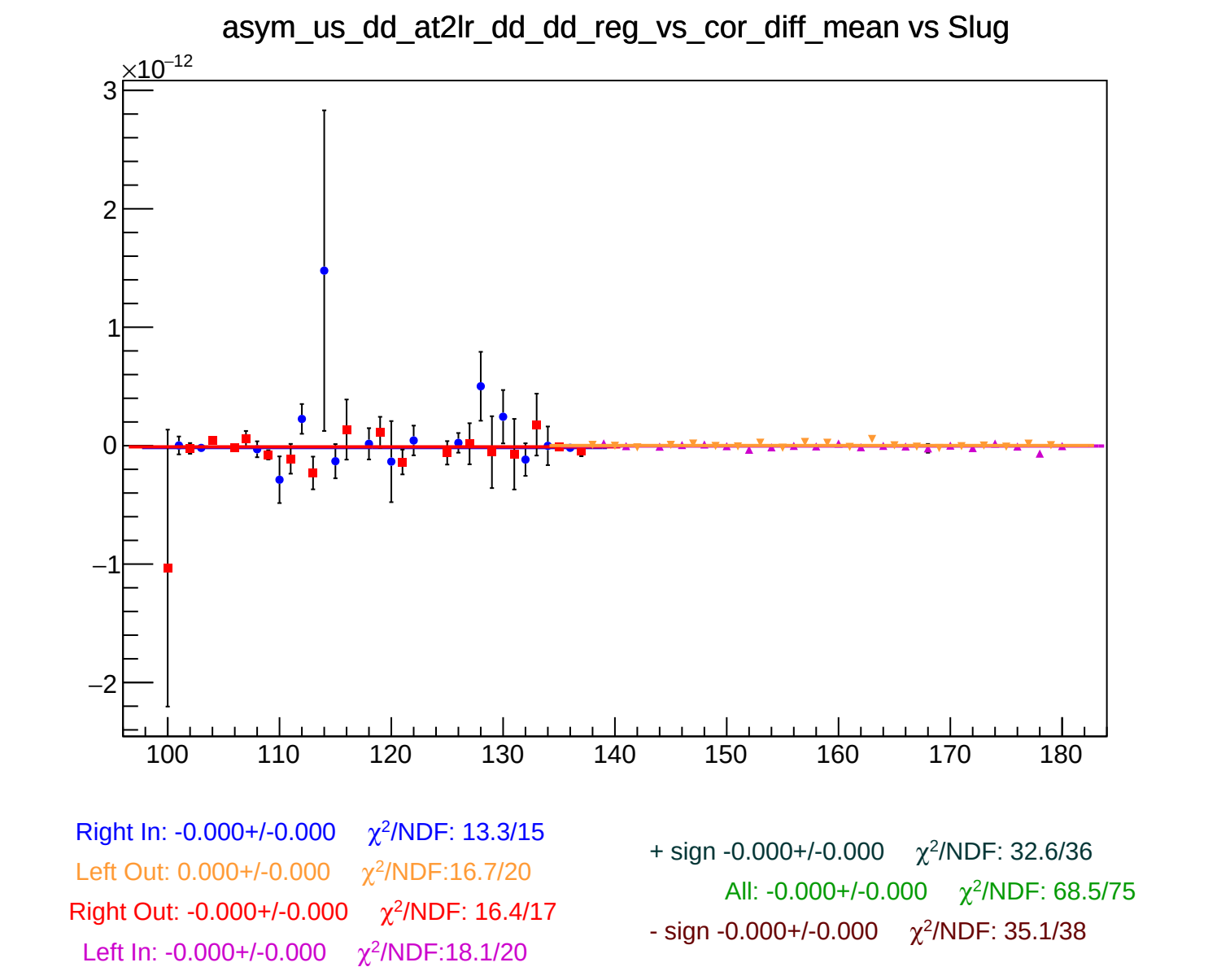
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

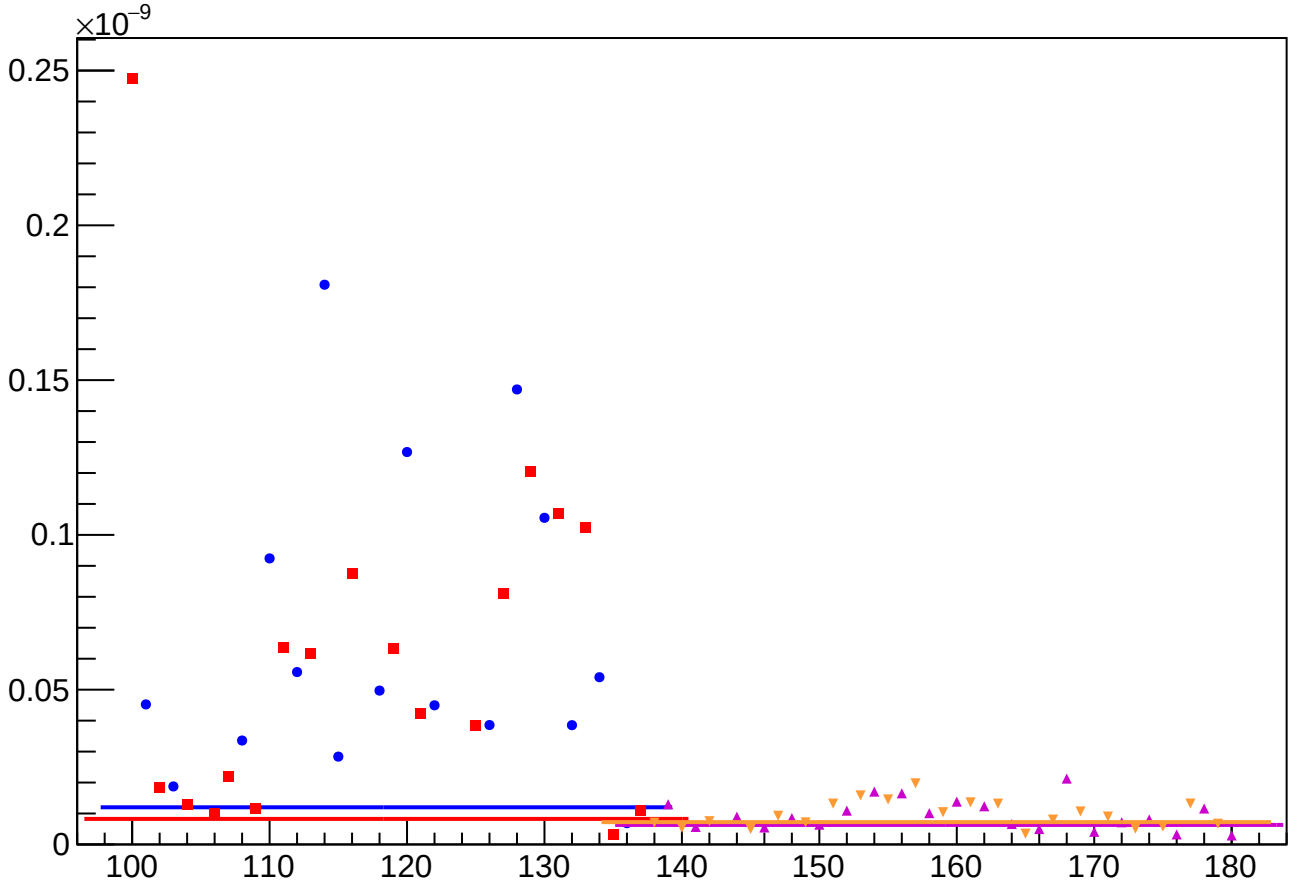
Left In: 1640.930+/-0.280 χ^2/NDF:176815.2/20

+ sign 1669.402+/-0.244 χ^2/NDF: 1120115.8/36

All: 1658.892+/-0.171 χ^2/NDF: 2047936.4/75

- sign 1648.847+/-0.239 χ^2/NDF: 924206.7/38


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:16.7/20
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:18.1/20
+ sign -0.000+/-0.000 χ²/NDF: 32.6/36
All: -0.000+/-0.000 χ²/NDF: 68.5/75
- sign -0.000+/-0.000 χ²/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:2045721.1/20

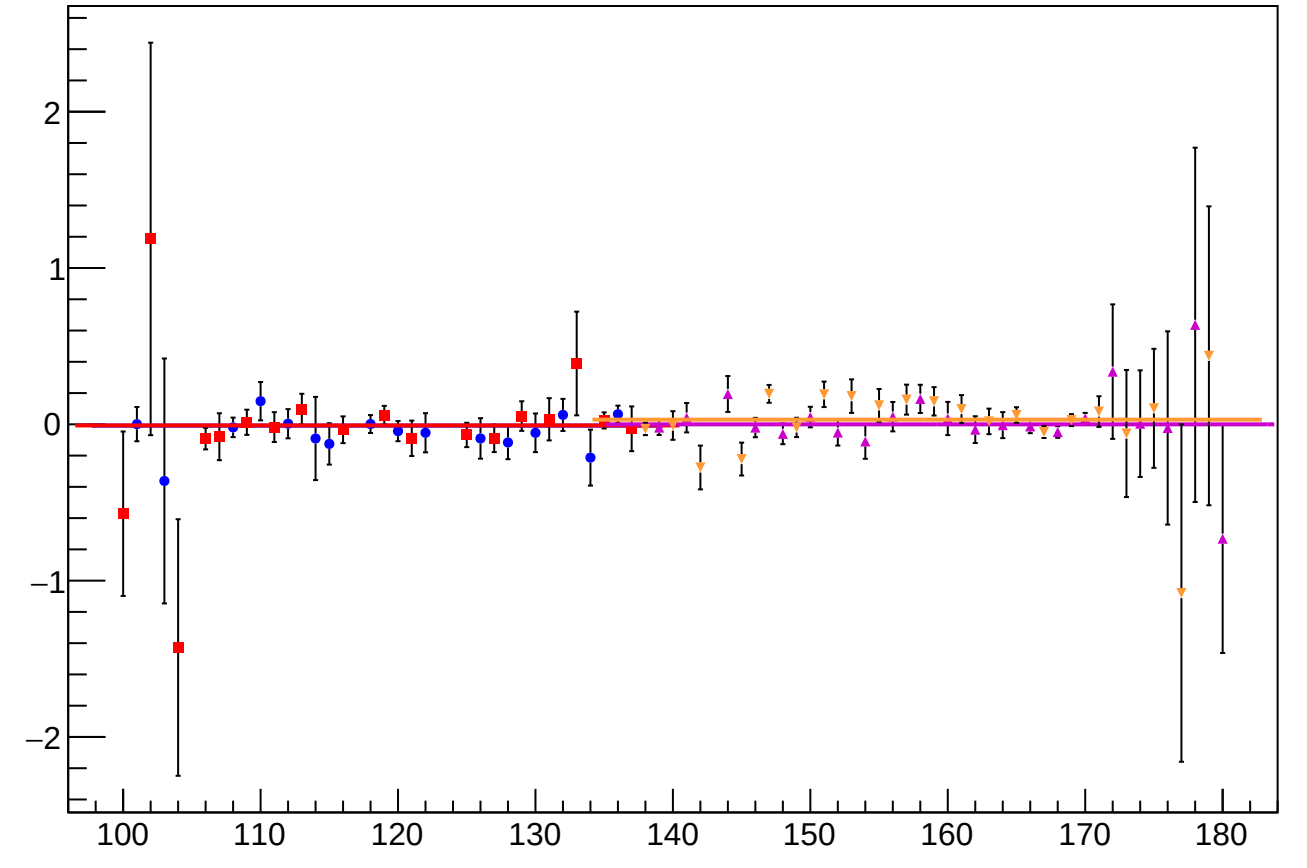
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2884777.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 5870732.1/36

All: 0.000+/-0.000 χ^2/NDF: 12515484.9/75

- 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:38.8/20

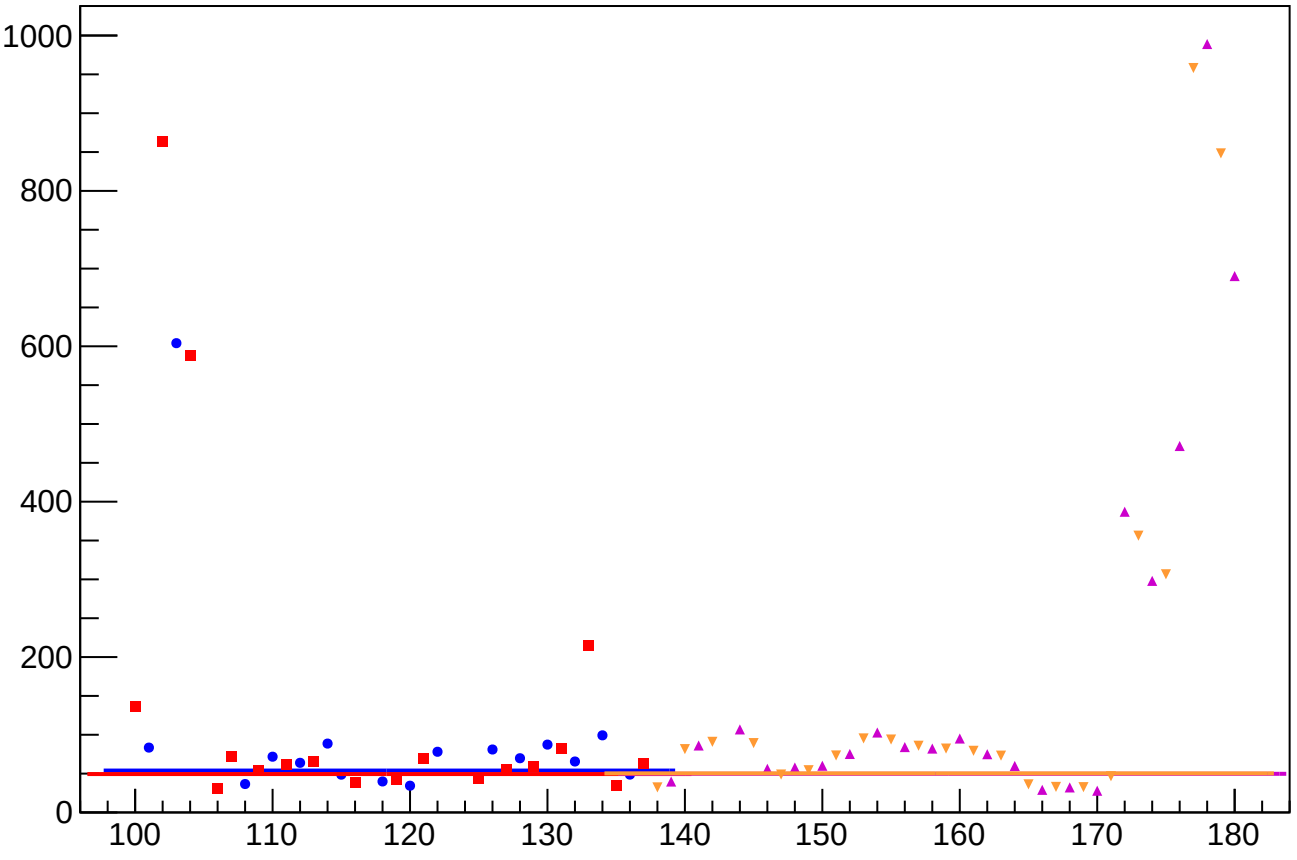
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:14.9/20

+ sign 0.018+/-0.013 χ^2/NDF: 49.0/36

All: 0.008+/-0.009 χ^2/NDF: 78.9/75

- 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: 50.314+/-0.011 χ^2/NDF:8687036.8/20

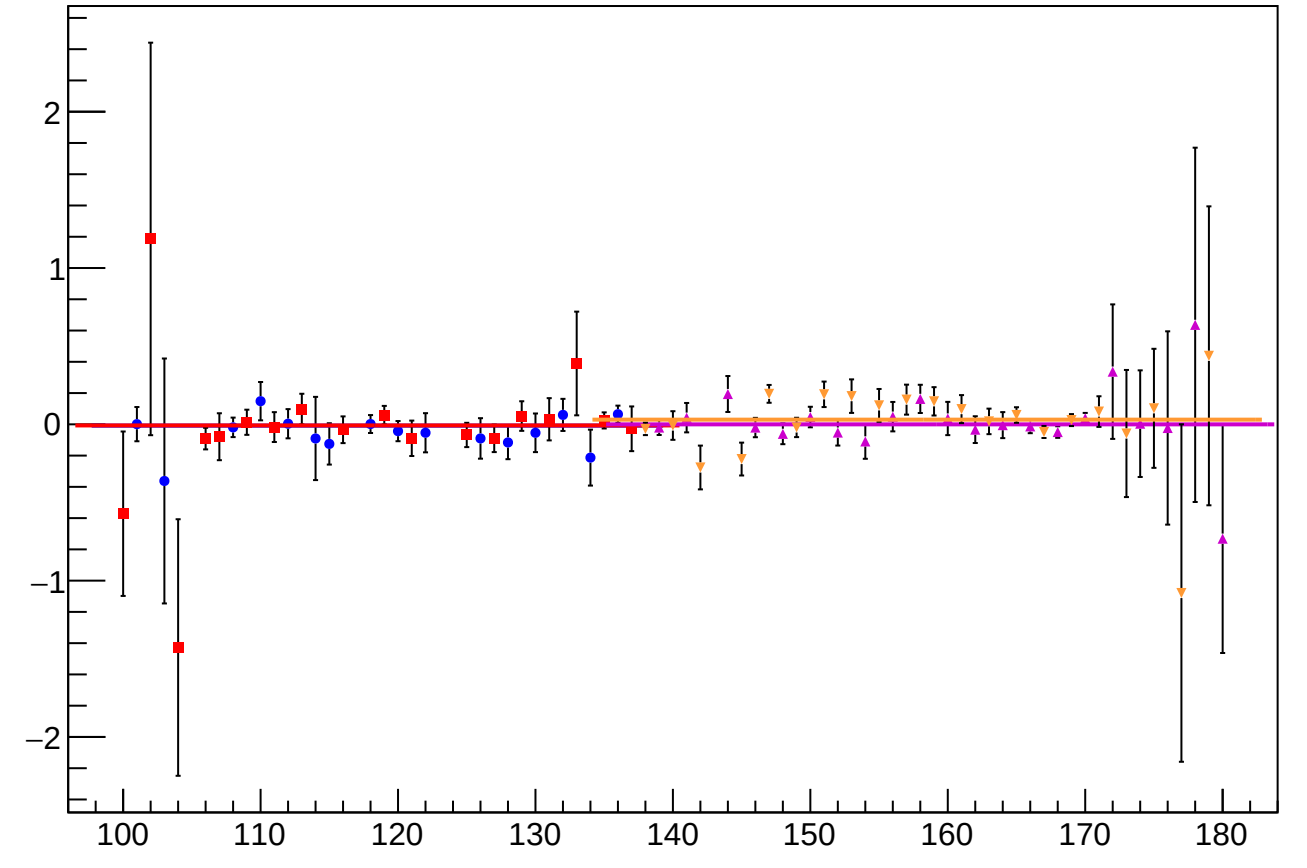
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.740+/-0.011 χ^2/NDF:10538067.5/20

+ sign 51.433+/-0.009 χ^2/NDF: 10935107.6/36

All: 50.516+/-0.006 χ^2/NDF: 24511096.4/75

- 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:38.8/20

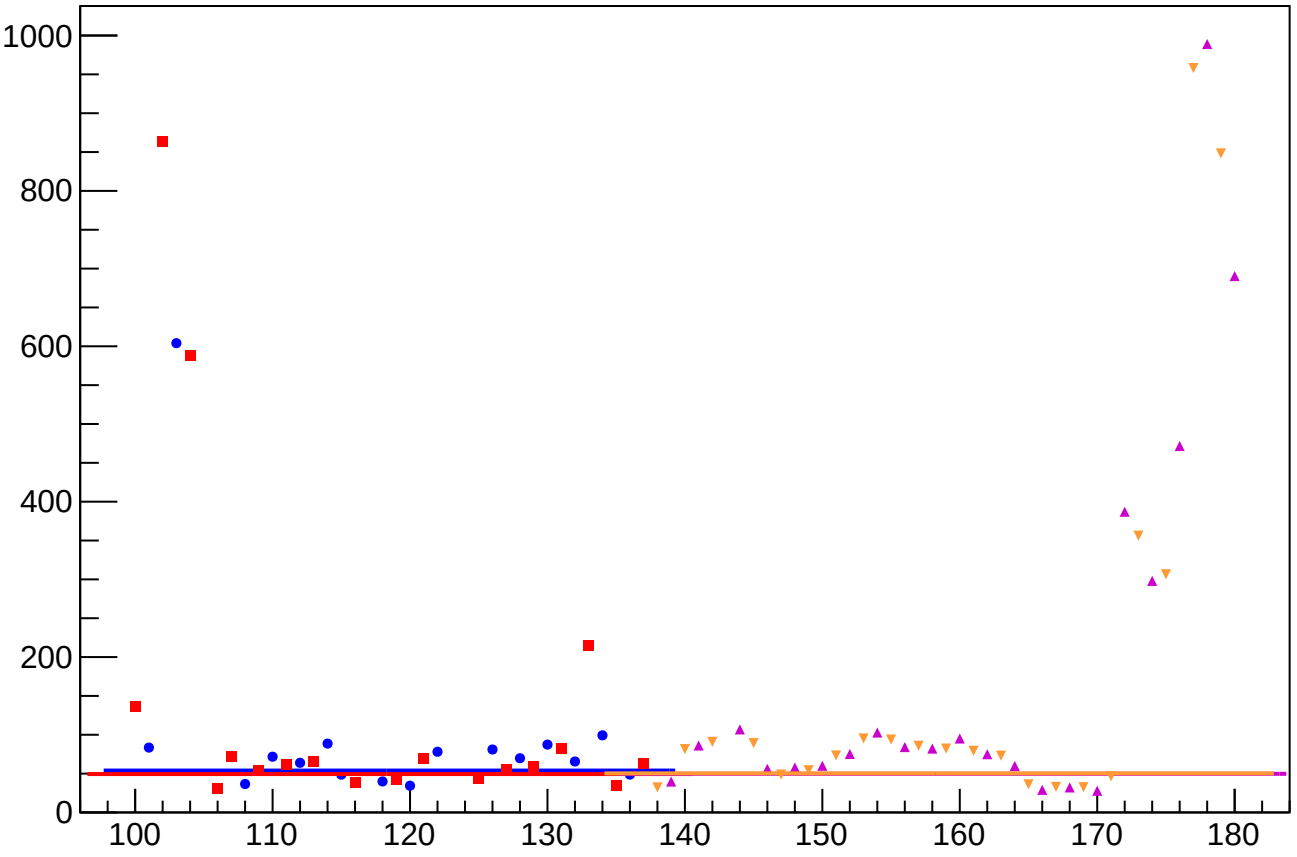
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:14.9/20

+ sign 0.018+/-0.013 χ^2/NDF: 49.0/36

All: 0.008+/-0.009 χ^2/NDF: 78.9/75

- 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: 50.314+/-0.011 χ^2/NDF:8687036.8/20

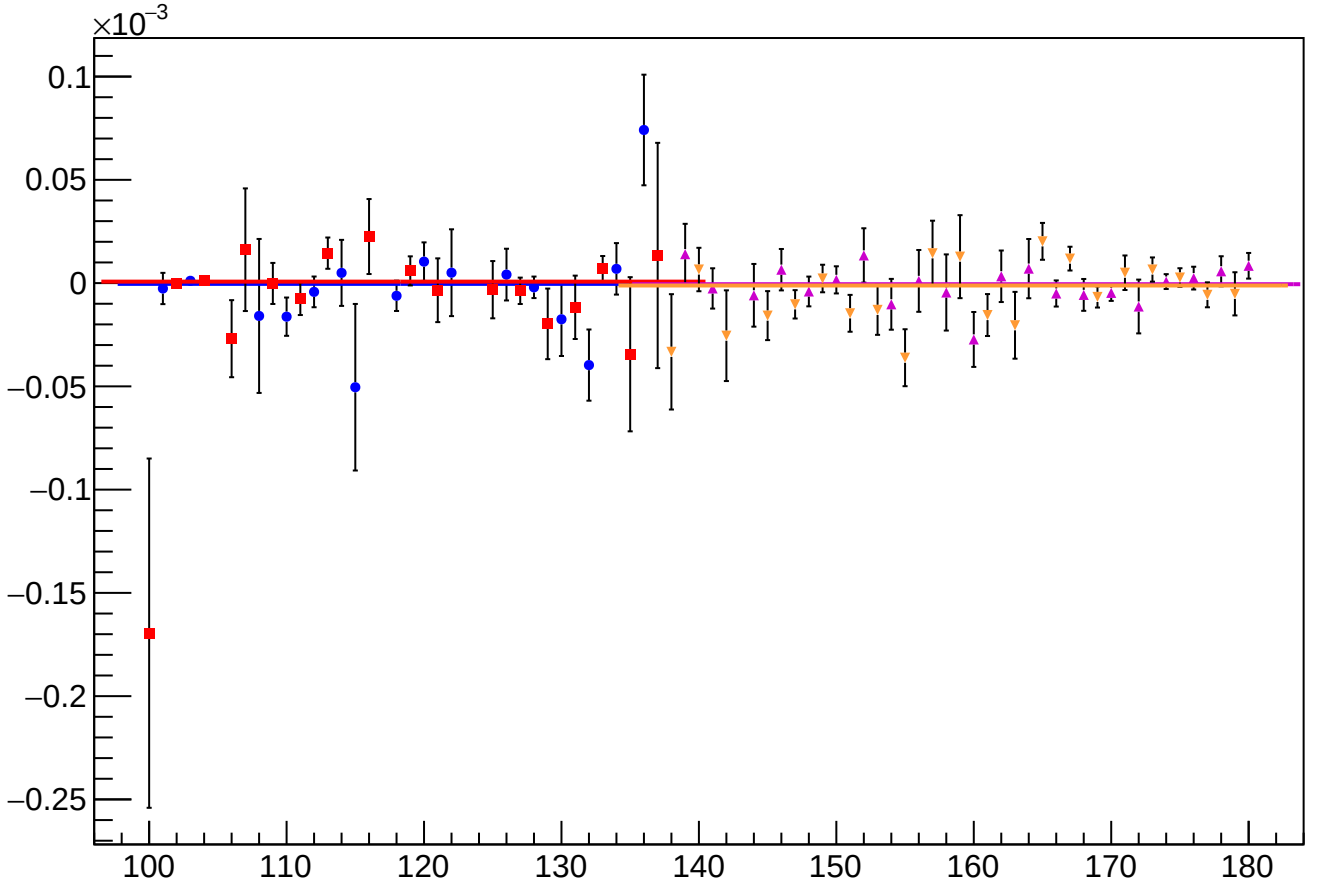
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.740+/-0.011 χ^2/NDF:10538067.5/20

\+ sign 51.433+/-0.009 χ^2/NDF: 10935107.6/36

All: 50.516+/-0.006 χ^2/NDF: 24511096.4/75

\- 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:36.9/20

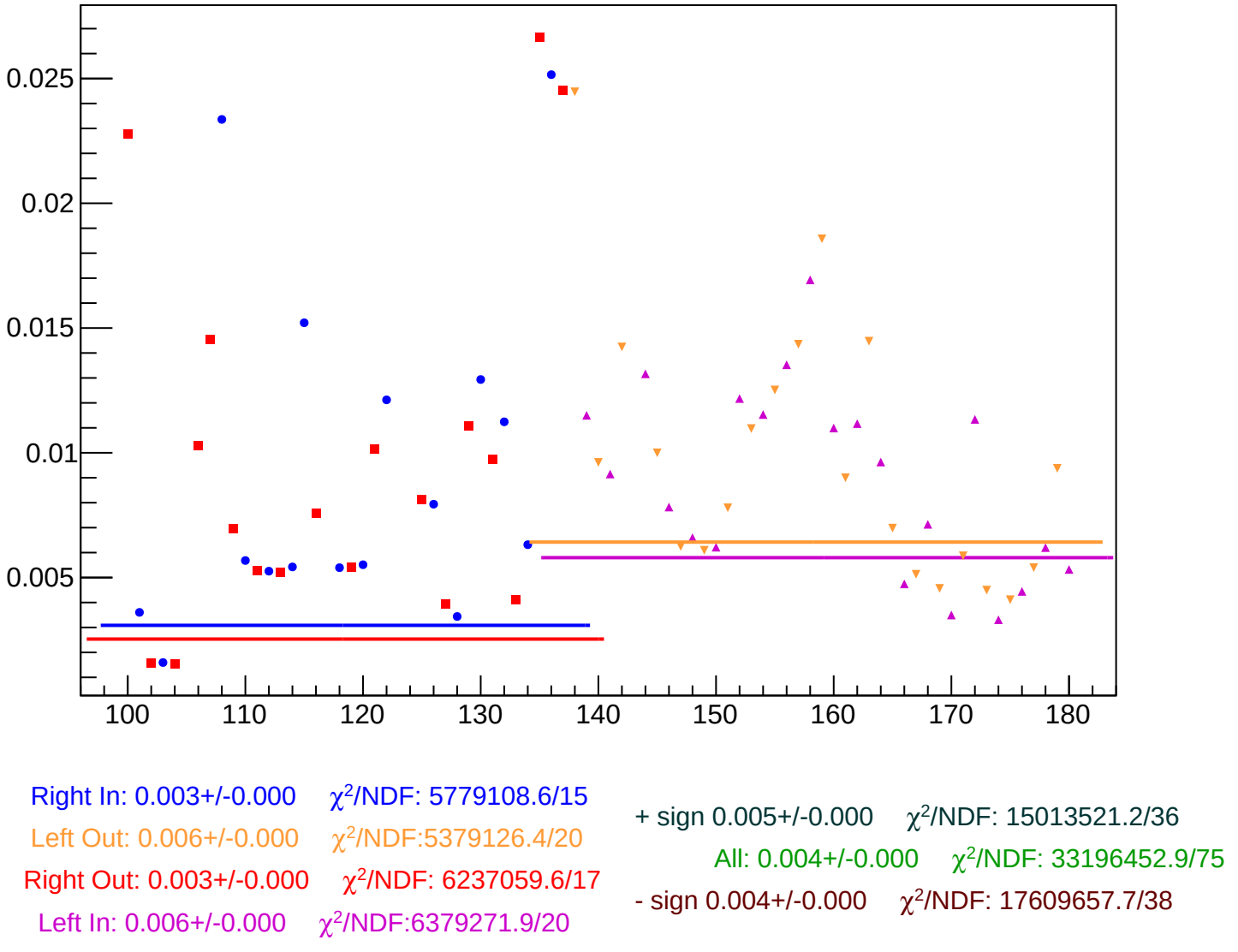
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

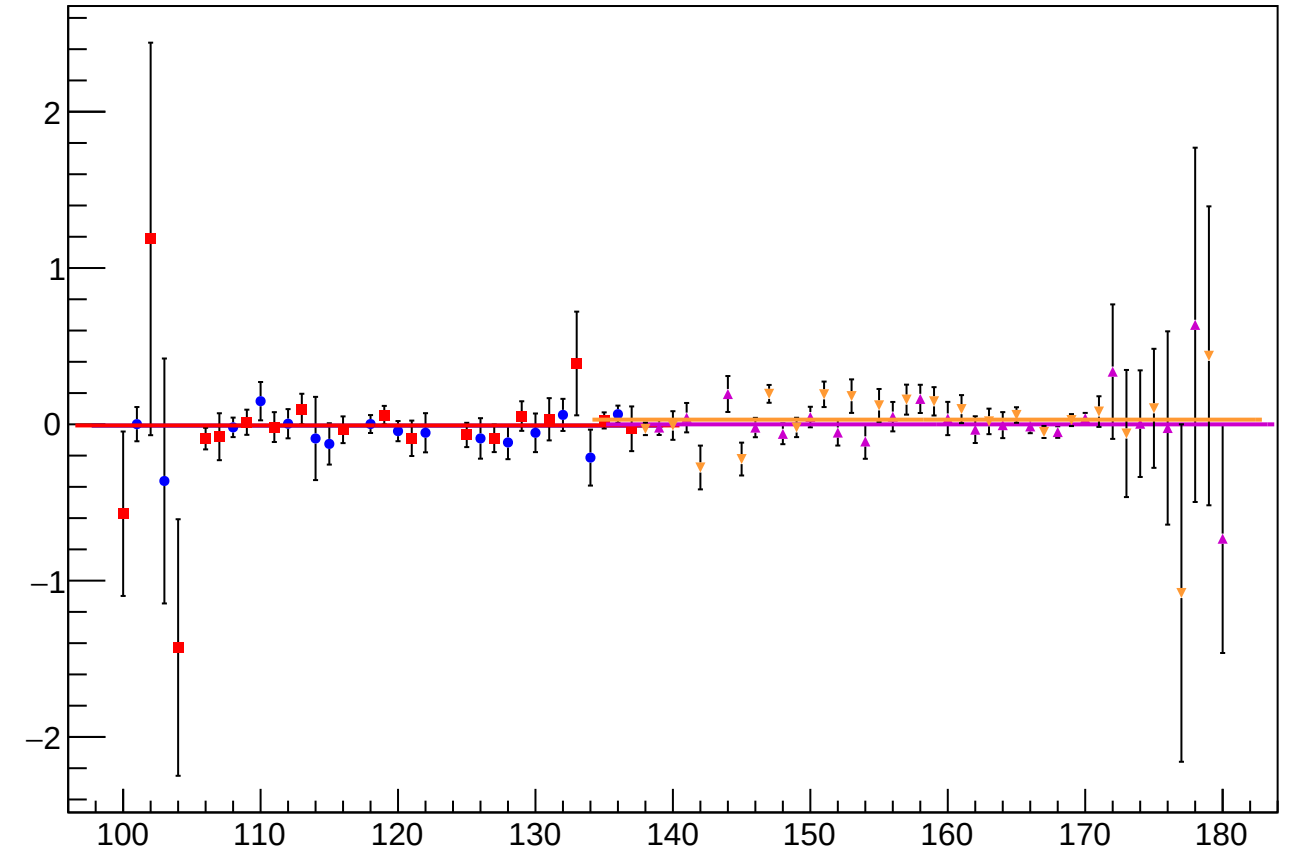
Left In: -0.000+/-0.000 χ^2/NDF:14.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 59.1/36

All: -0.000+/-0.000 χ^2/NDF: 91.9/75

- 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: 0.006+/-0.000 χ²/NDF:5379126.4/20
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.006+/-0.000 χ²/NDF:6379271.9/20
+ sign 0.005+/-0.000 χ²/NDF: 15013521.2/36
All: 0.004+/-0.000 χ²/NDF: 33196452.9/75
- 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:38.8/20

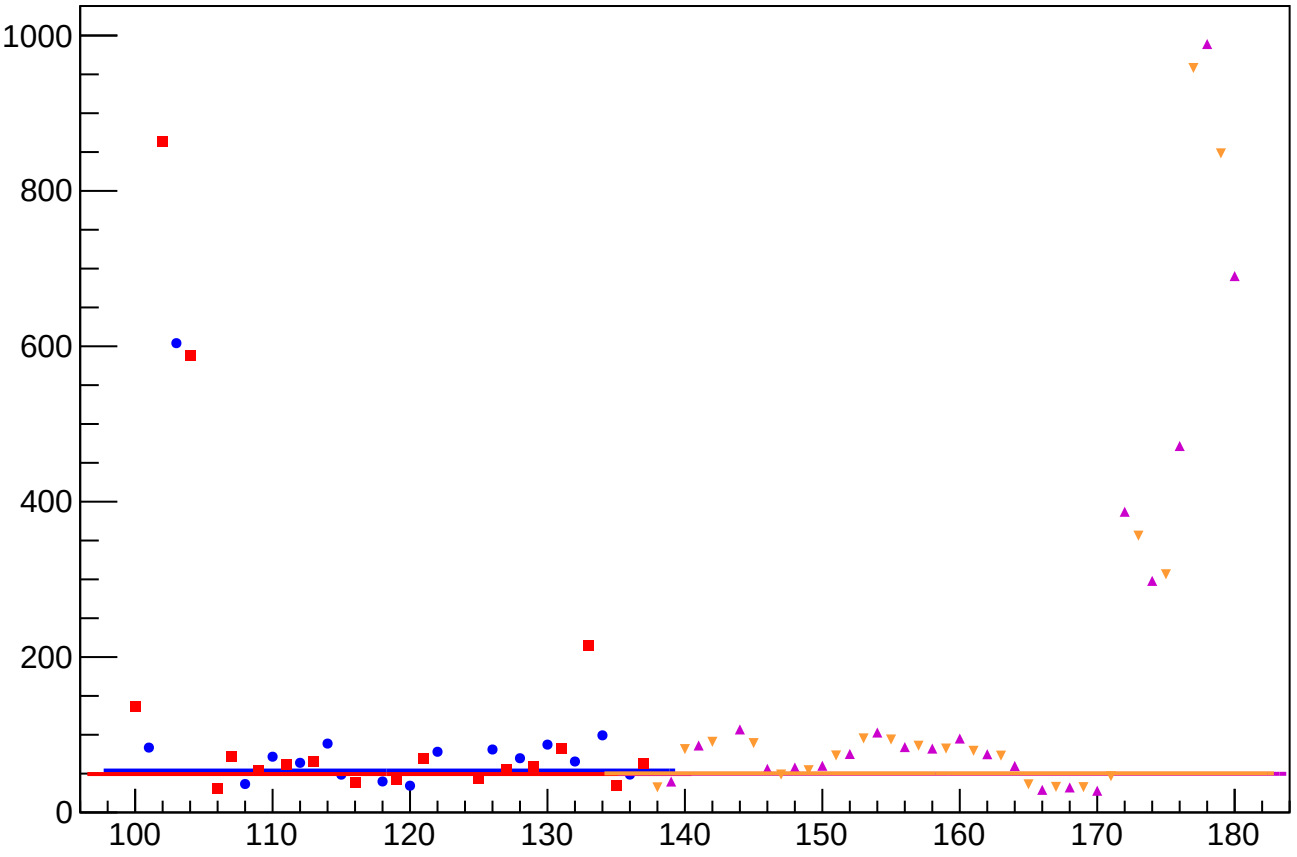
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:14.9/20

+ sign 0.018+/-0.013 χ^2/NDF: 49.0/36

All: 0.008+/-0.009 χ^2/NDF: 78.9/75

- 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: 50.316+/-0.011 χ^2/NDF:8686233.4/20

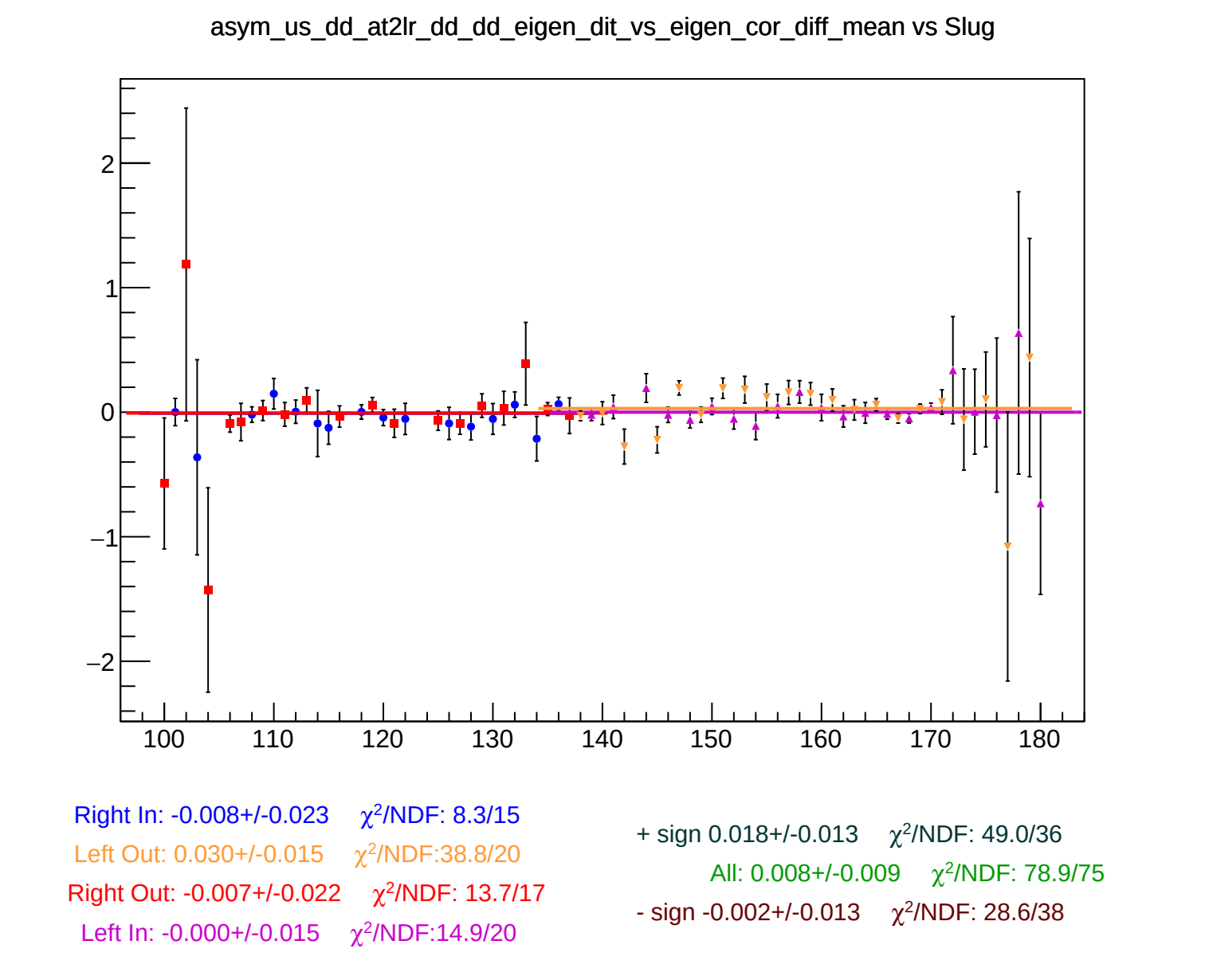
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

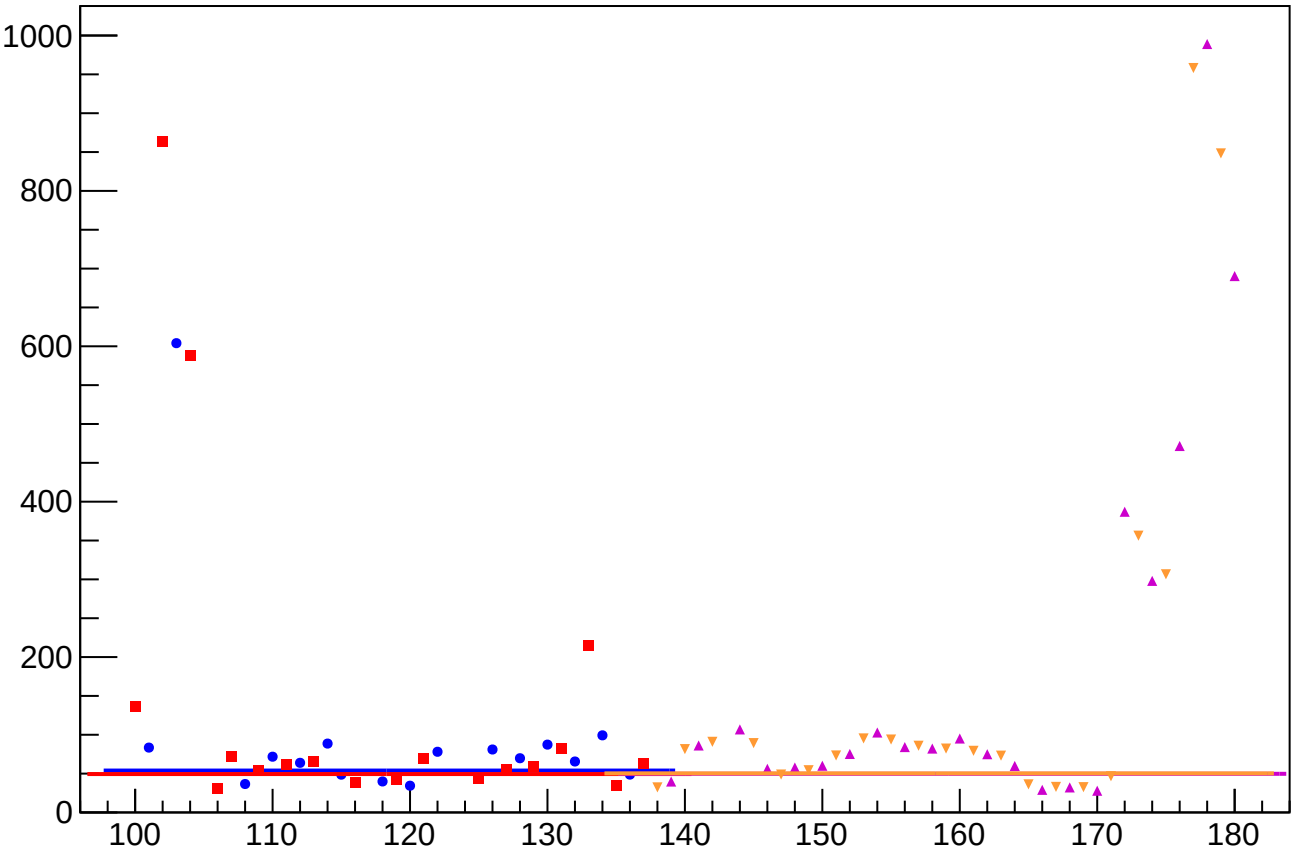
Left In: 49.740+/-0.011 χ^2/NDF:10538005.1/20

\+ sign 51.436+/-0.009 χ^2/NDF: 10933921.2/36

All: 50.517+/-0.006 χ^2/NDF: 24509607.8/75

\- sign 49.638+/-0.009 χ^2/NDF: 13555724.4/38


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.008+/-0.023 χ²/NDF: 8.3/15
Left Out: 0.030+/-0.015 χ²/NDF:38.8/20
Right Out: -0.007+/-0.022 χ²/NDF: 13.7/17
Left In: -0.000+/-0.015 χ²/NDF:14.9/20
+ sign 0.018+/-0.013 χ²/NDF: 49.0/36
All: 0.008+/-0.009 χ²/NDF: 78.9/75
- sign -0.002+/-0.013 χ²/NDF: 28.6/38



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.316+/-0.011 χ^2/NDF:8686233.4/20

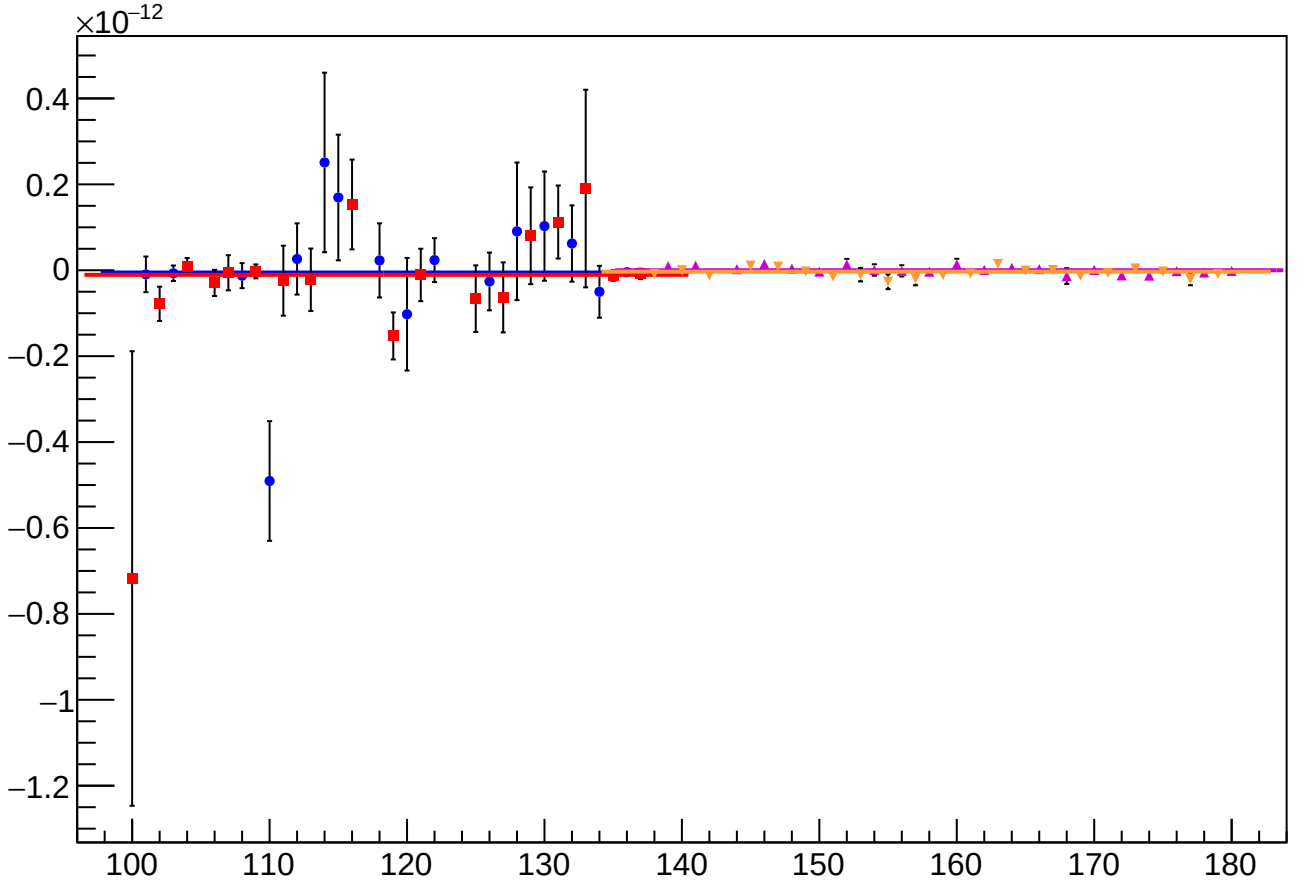
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.740+/-0.011 χ^2/NDF:10538005.1/20

\+ sign 51.436+/-0.009 χ^2/NDF: 10933921.2/36

All: 50.517+/-0.006 χ^2/NDF: 24509607.8/75

\- 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:19.2/20

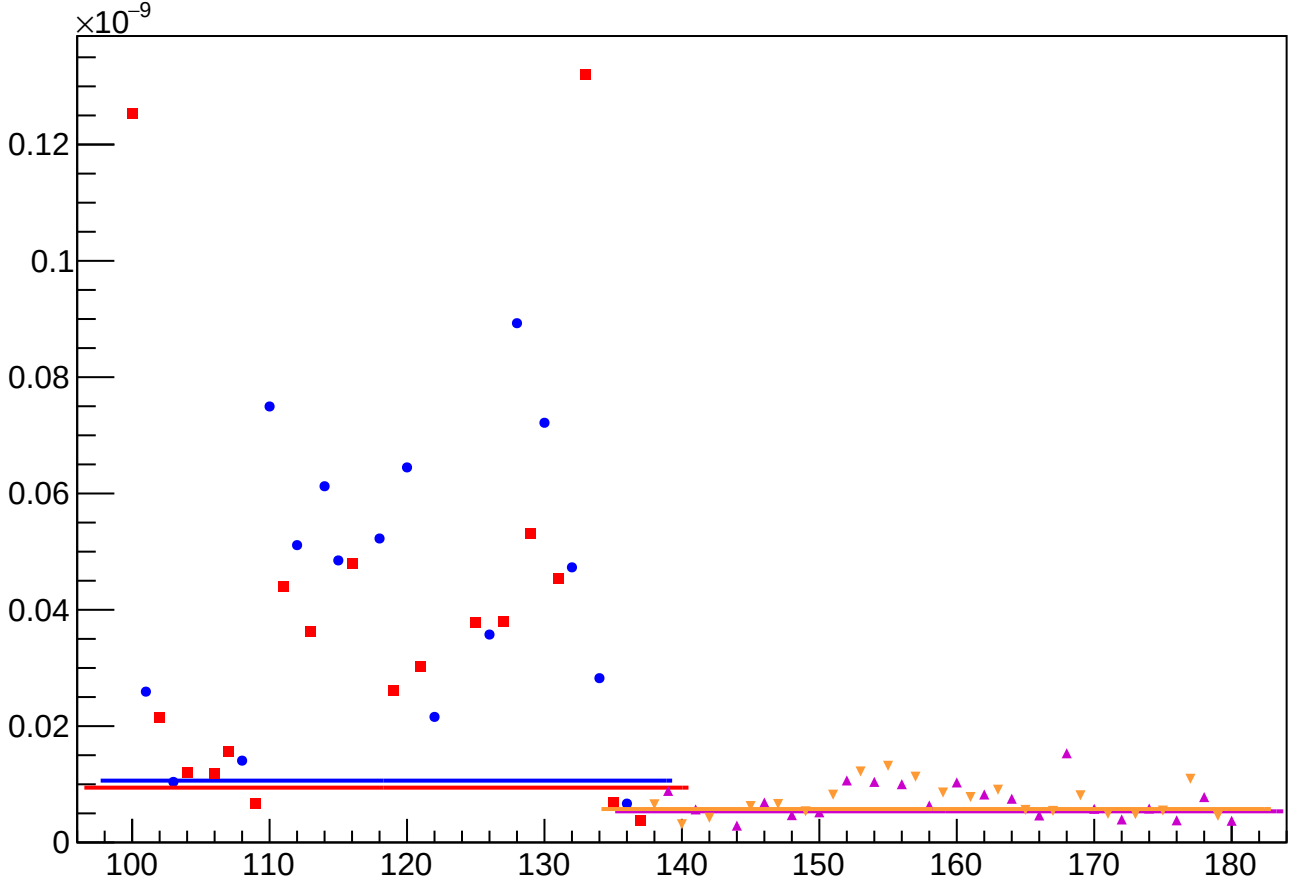
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:17.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 37.9/36

All: -0.000+/-0.000 χ^2/NDF: 79.4/75

- sign -0.000+/-0.000 χ^2/NDF: 40.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2723114.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

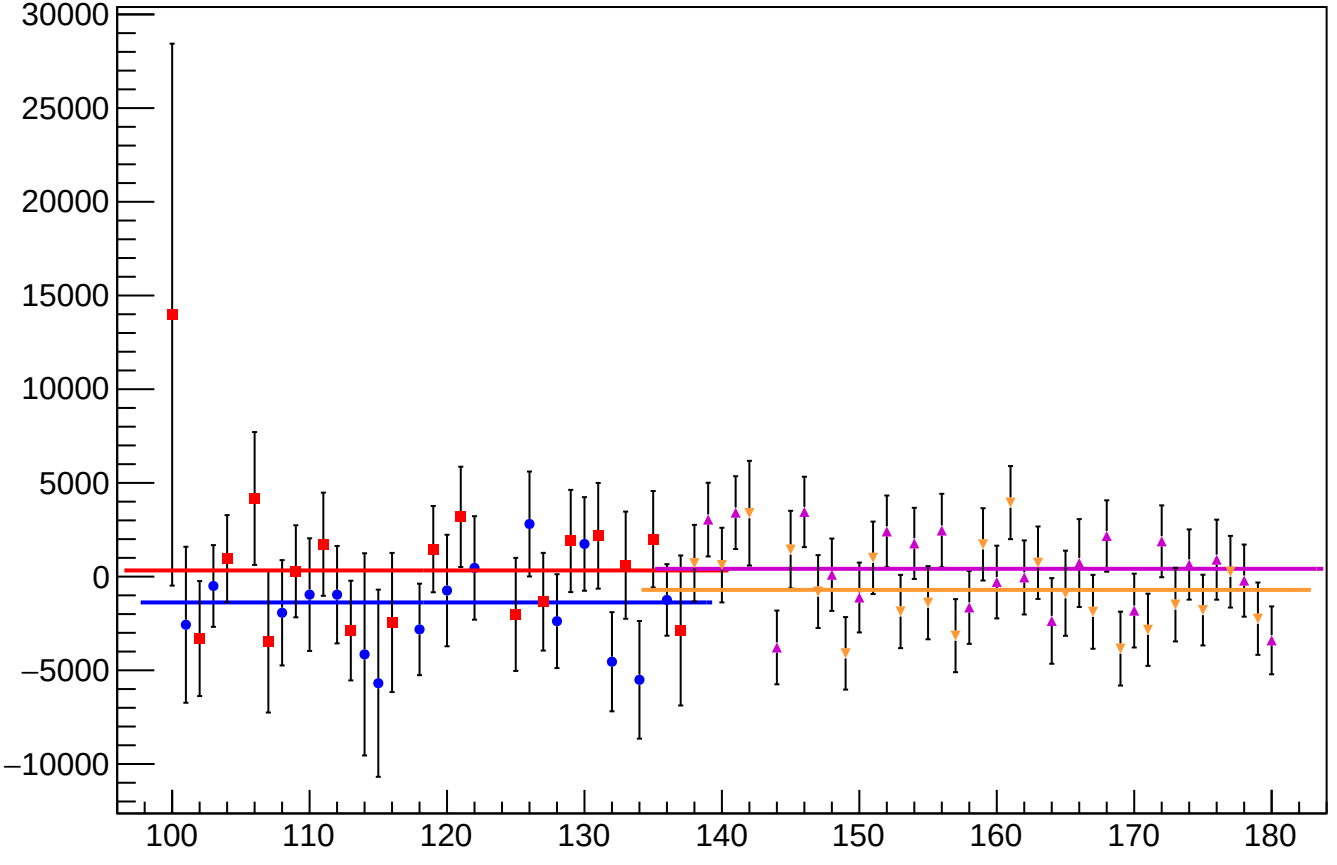
Left In: 0.000+/-0.000 χ^2/NDF:3437976.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 8233643.0/36

All: 0.000+/-0.000 χ^2/NDF: 16518731.2/75

- sign 0.000+/-0.000 χ^2/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: -708.022+/-434.431 χ^2/NDF:23.4/20

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

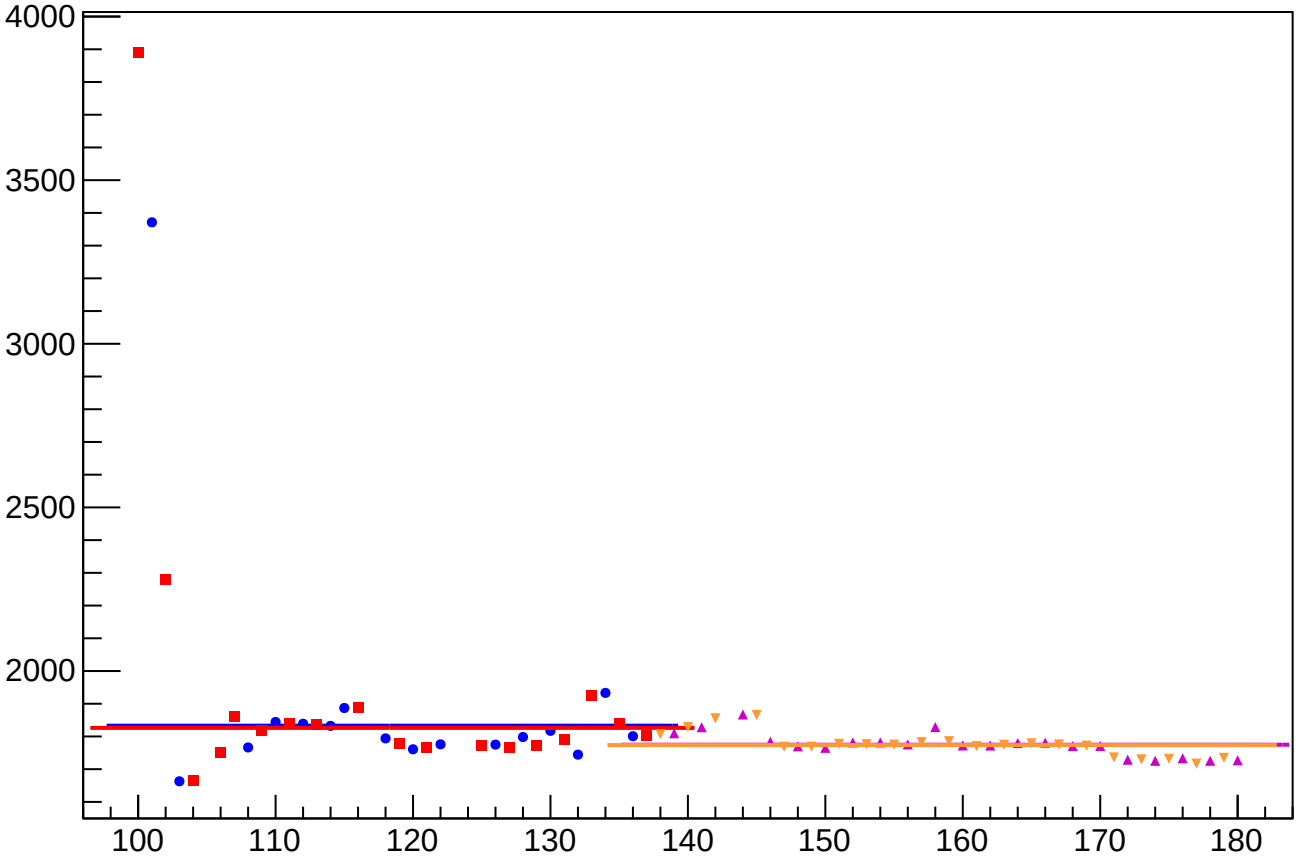
Left In: 415.624+/-427.334 χ^2/NDF:24.8/20

+ sign -898.813+/-367.486 χ^2/NDF: 33.3/36

All: -244.802+/-258.036 χ^2/NDF: 75.5/75

- 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: 1773.629+/-0.307 χ^2/NDF:13210.2/20

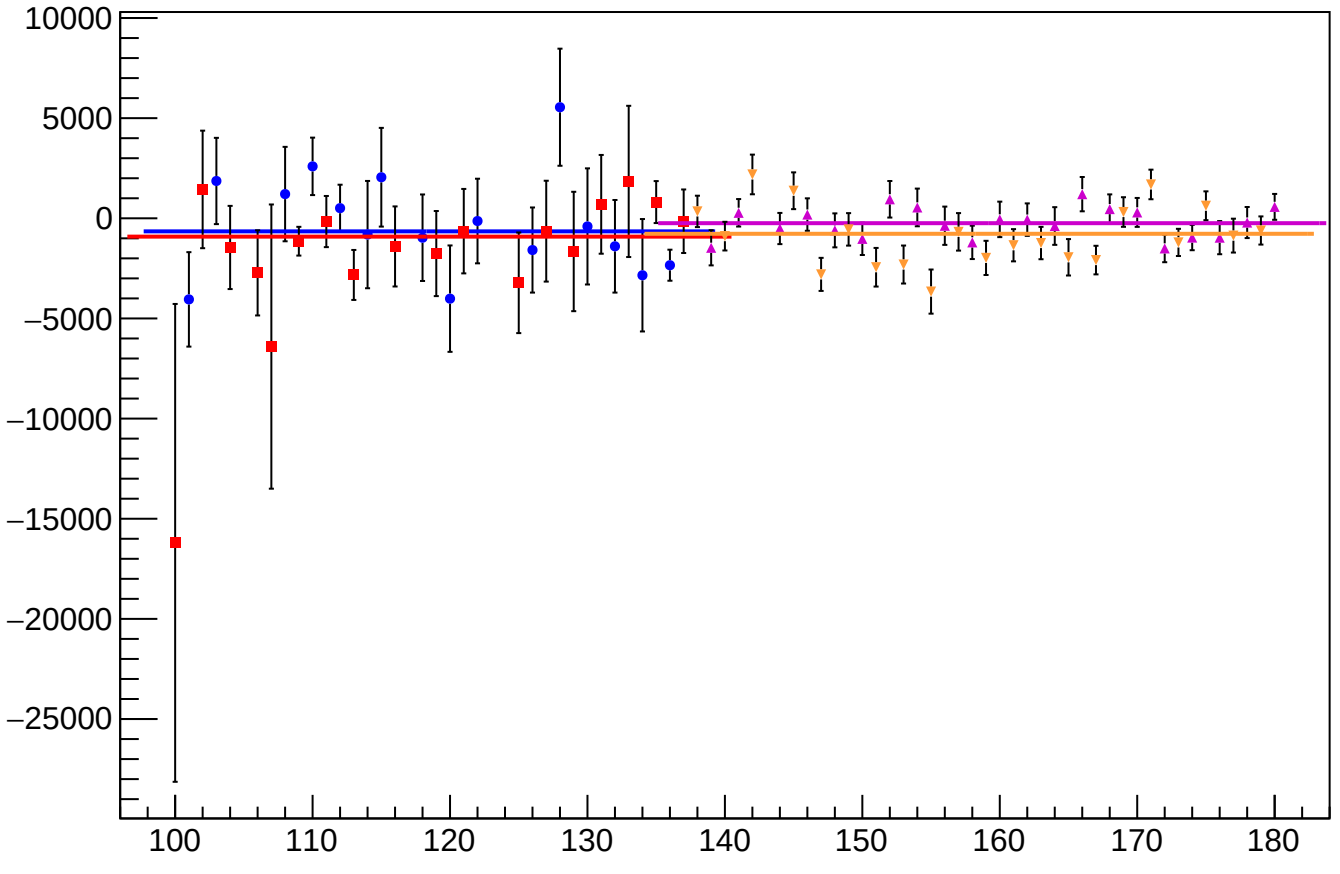
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1774.759+/-0.302 χ^2/NDF:14248.2/20

+ sign 1790.502+/-0.260 χ^2/NDF: 319255.8/36

All: 1789.845+/-0.182 χ^2/NDF: 444663.9/75

- 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: -773.283+/-177.503 χ^2/NDF:60.5/20

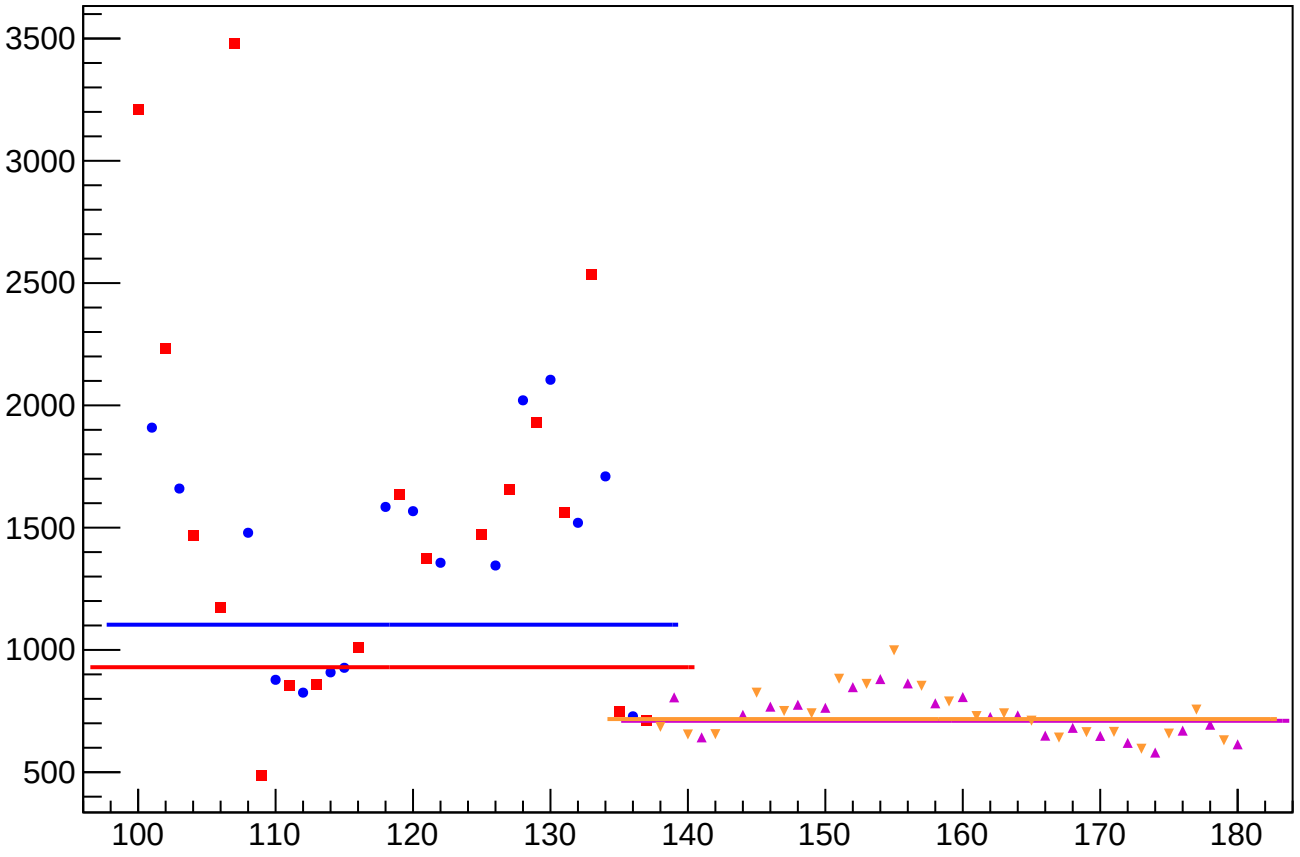
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -243.288+/-172.576 χ^2/NDF:19.2/20

+ sign -756.441+/-164.724 χ^2/NDF: 83.8/36

All: -545.659+/-114.041 χ^2/NDF: 120.1/75

- sign -351.635+/-158.040 χ^2/NDF: 33.2/38



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 717.280+/-0.126 χ^2/NDF:507570.2/20

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

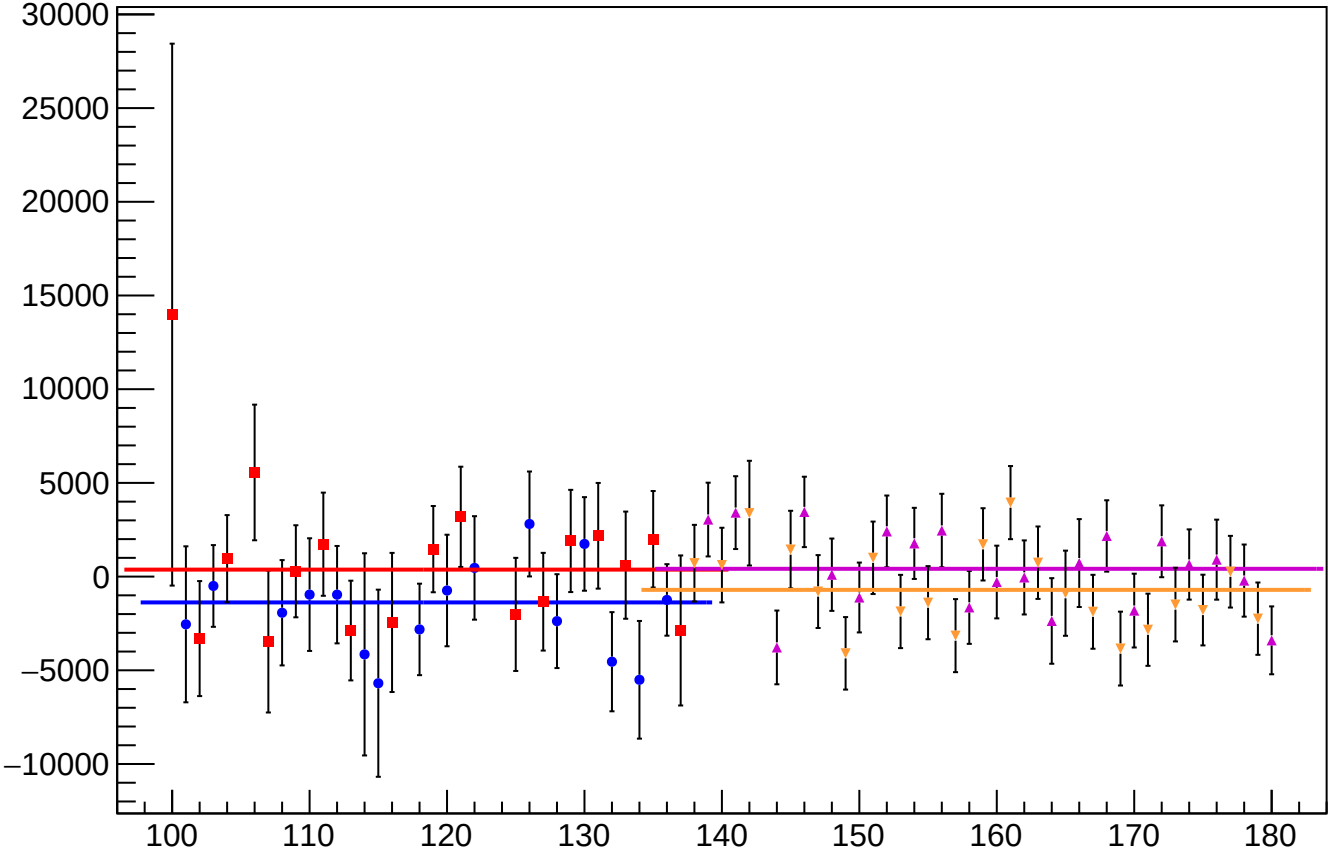
Left In: 710.212+/-0.122 χ^2/NDF:475734.4/20

+ sign 770.845+/-0.116 χ^2/NDF: 3697886.7/36

All: 757.687+/-0.081 χ^2/NDF: 7772630.0/75

- 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: -707.953+/-434.431 χ^2/NDF:23.4/20

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

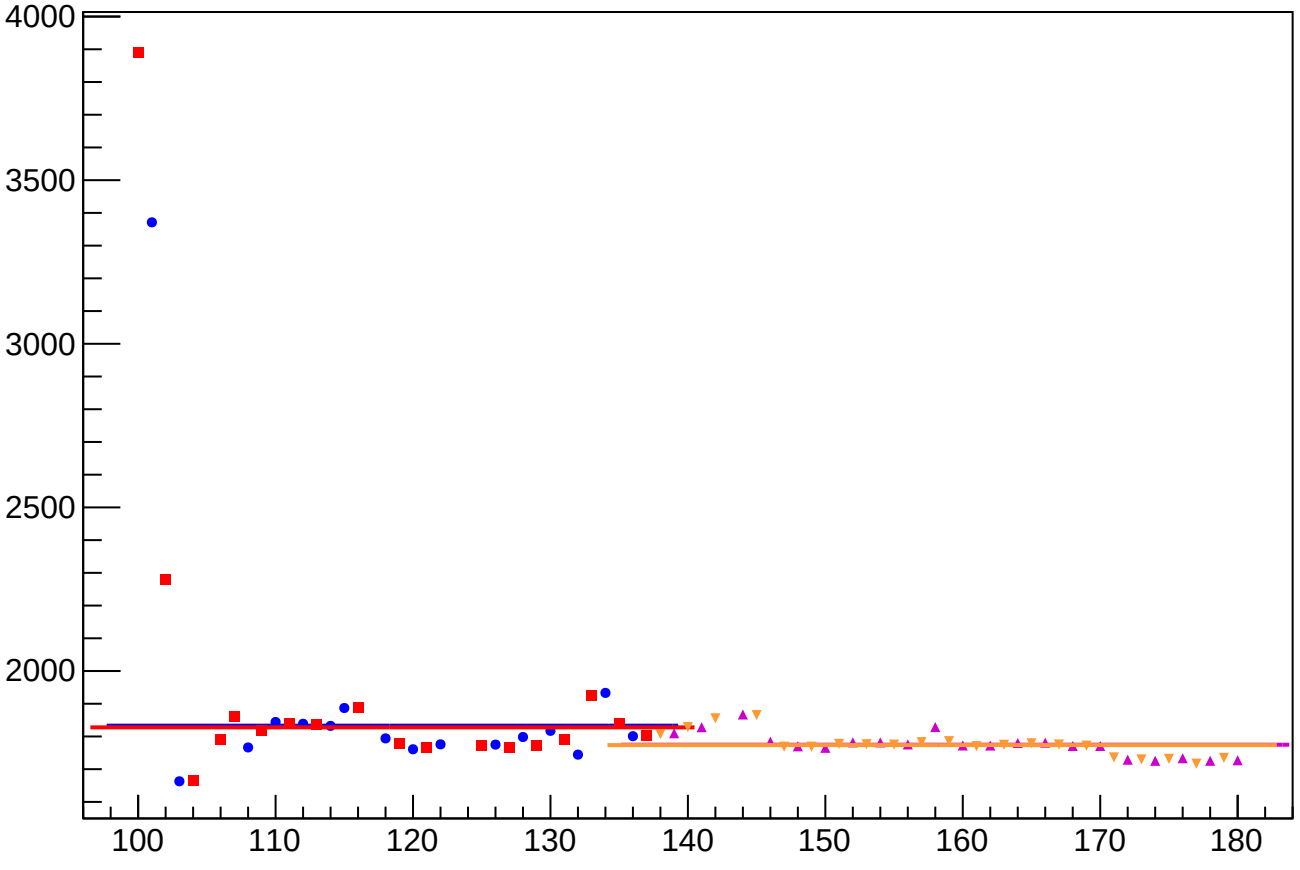
Left In: 415.585+/-427.334 χ^2/NDF:24.8/20

+ sign -898.586+/-367.486 χ^2/NDF: 33.3/36

All: -238.607+/-258.063 χ^2/NDF: 76.5/75

- 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: 1773.629+/-0.307 χ^2/NDF:13210.2/20

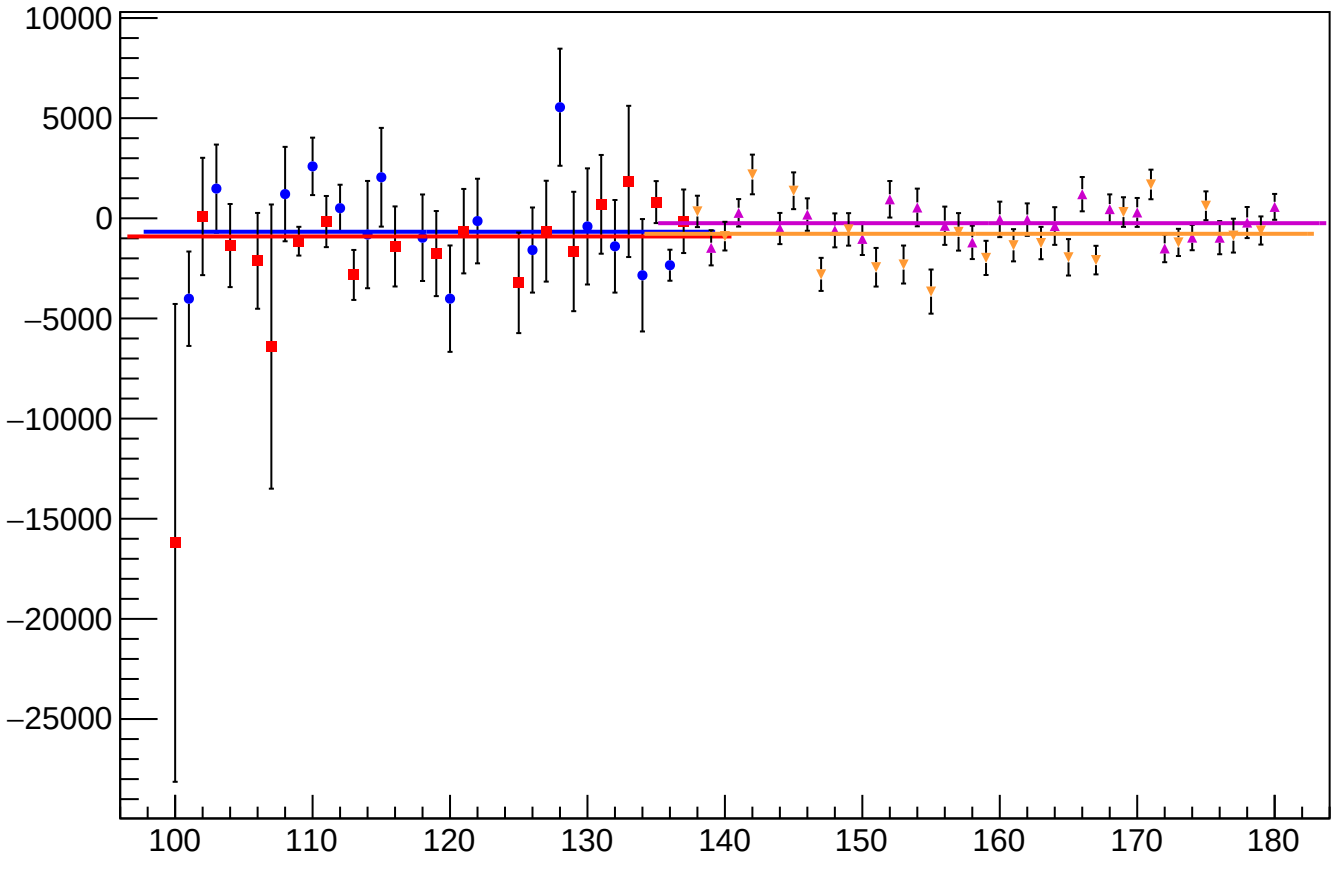
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1774.759+/-0.302 χ^2/NDF:14248.2/20

+ sign 1790.502+/-0.260 χ^2/NDF: 319257.7/36

All: 1790.061+/-0.182 χ^2/NDF: 444419.8/75

- 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: -773.304+/-177.504 χ^2/NDF:60.5/20

Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

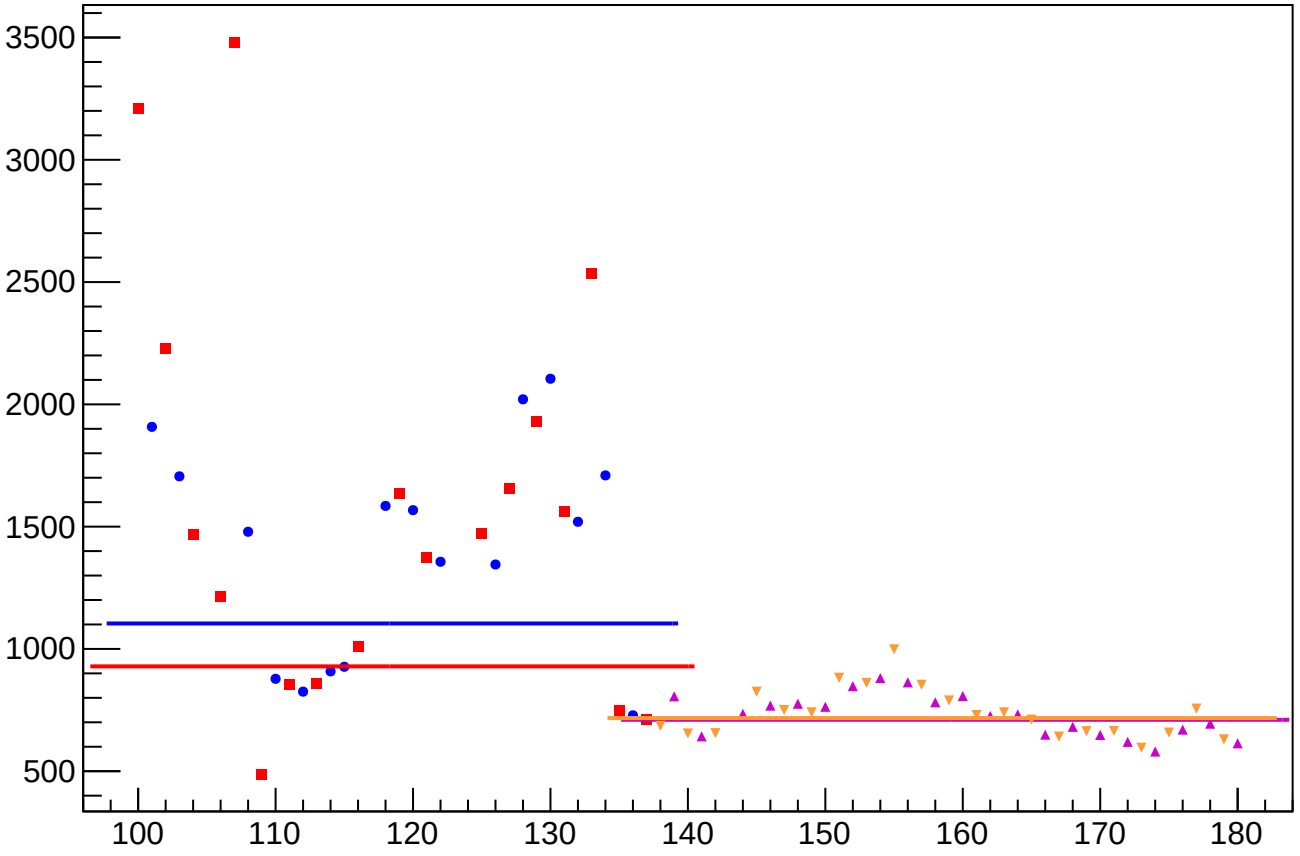
Left In: -243.215+/-172.578 χ^2/NDF:19.2/20

+ sign -759.060+/-164.744 χ^2/NDF: 83.3/36

All: -545.904+/-114.082 χ^2/NDF: 118.6/75

- 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: 717.285+/-0.126 χ^2/NDF:507507.5/20

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

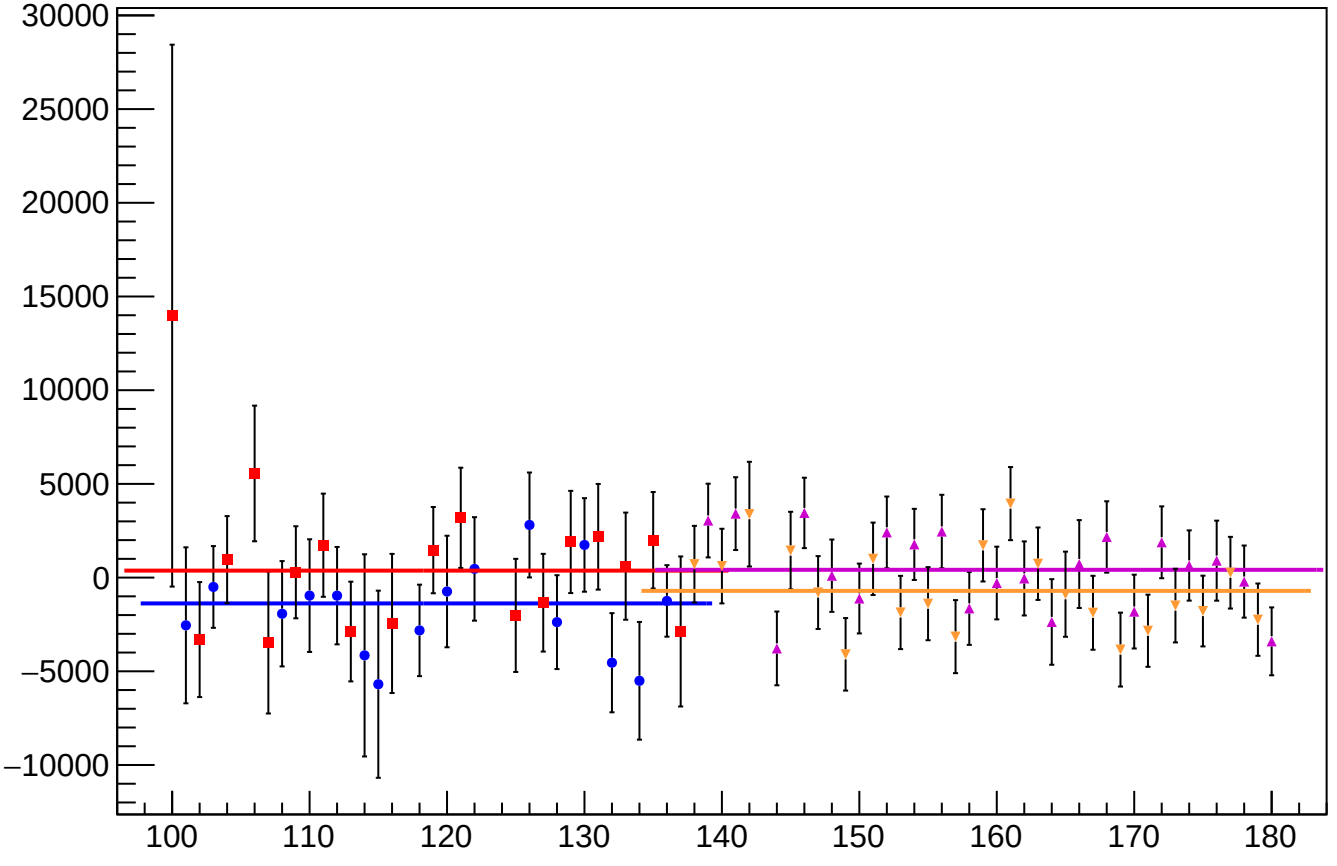
Left In: 710.218+/-0.122 χ^2/NDF:475741.7/20

\+ sign 770.900+/-0.116 χ^2/NDF: 3718449.2/36

All: 757.553+/-0.081 χ^2/NDF: 7787668.8/75

\- 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: -707.953+/-434.431 χ^2/NDF:23.4/20

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

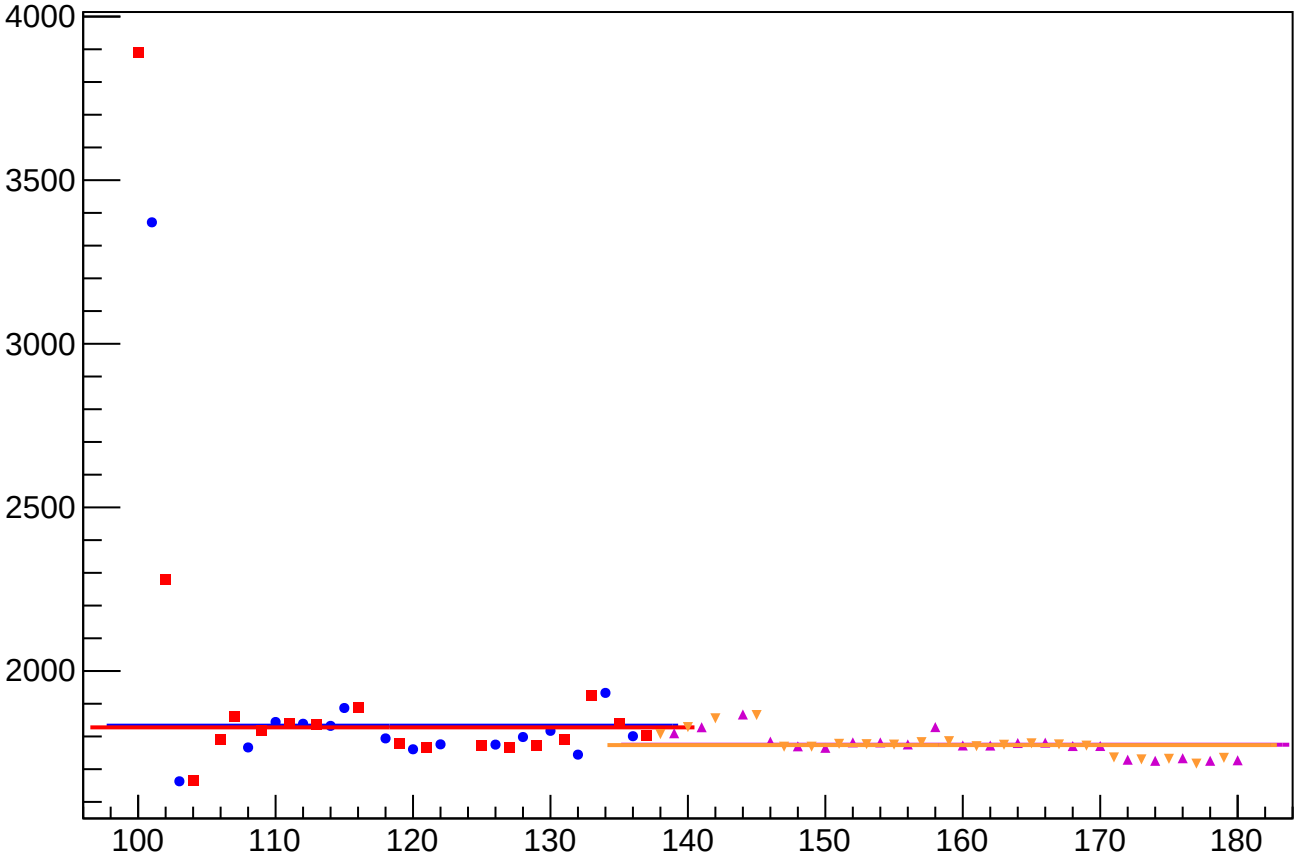
Left In: 415.585+/-427.334 χ^2/NDF:24.8/20

+ sign -898.586+/-367.486 χ^2/NDF: 33.3/36

All: -238.607+/-258.063 χ^2/NDF: 76.5/75

- 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: 1773.629+/-0.307 χ^2/NDF:13210.2/20

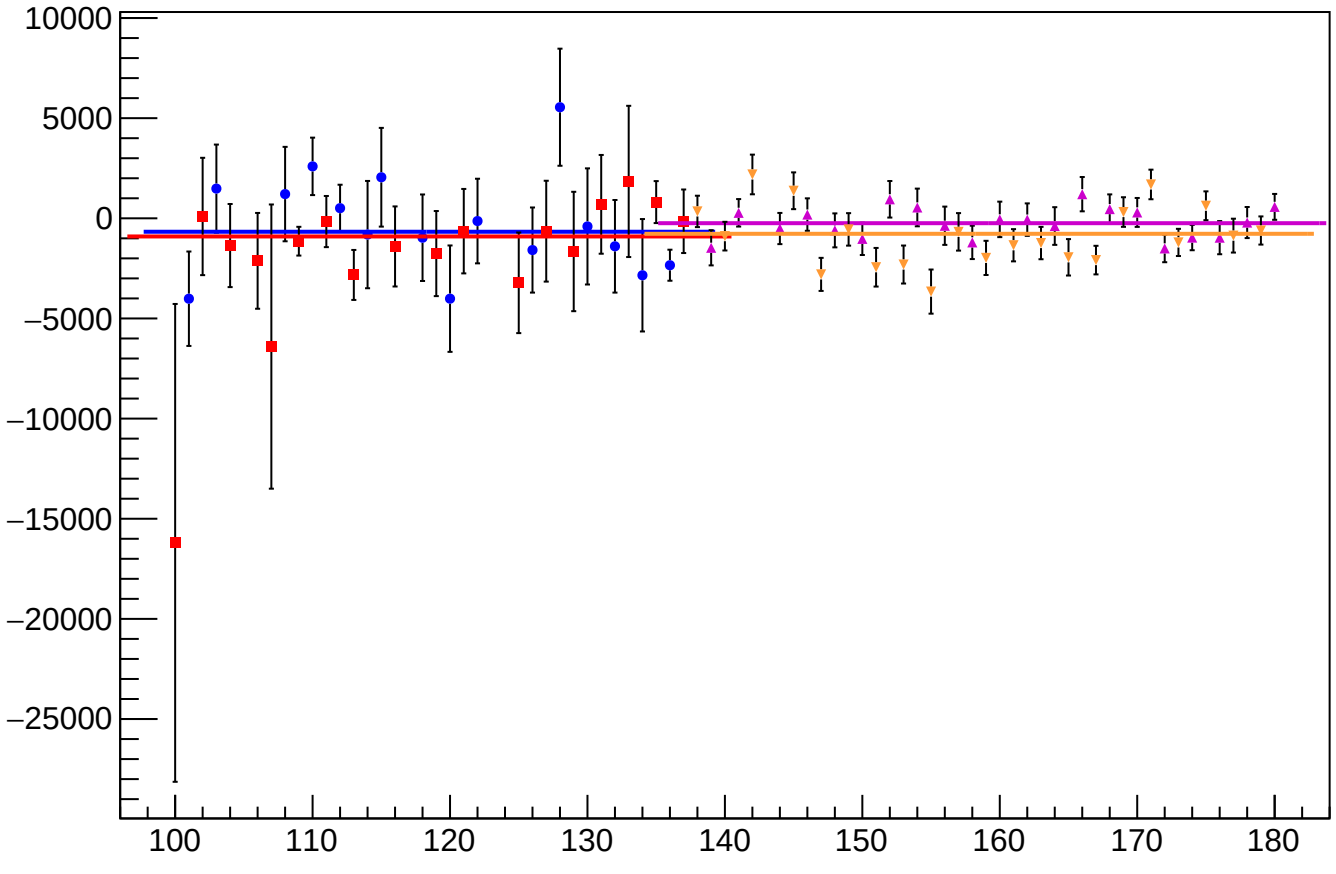
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1774.759+/-0.302 χ^2/NDF:14248.2/20

+ sign 1790.502+/-0.260 χ^2/NDF: 319257.7/36

All: 1790.061+/-0.182 χ^2/NDF: 444419.8/75

- 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: -773.304+/-177.504 χ^2/NDF:60.5/20

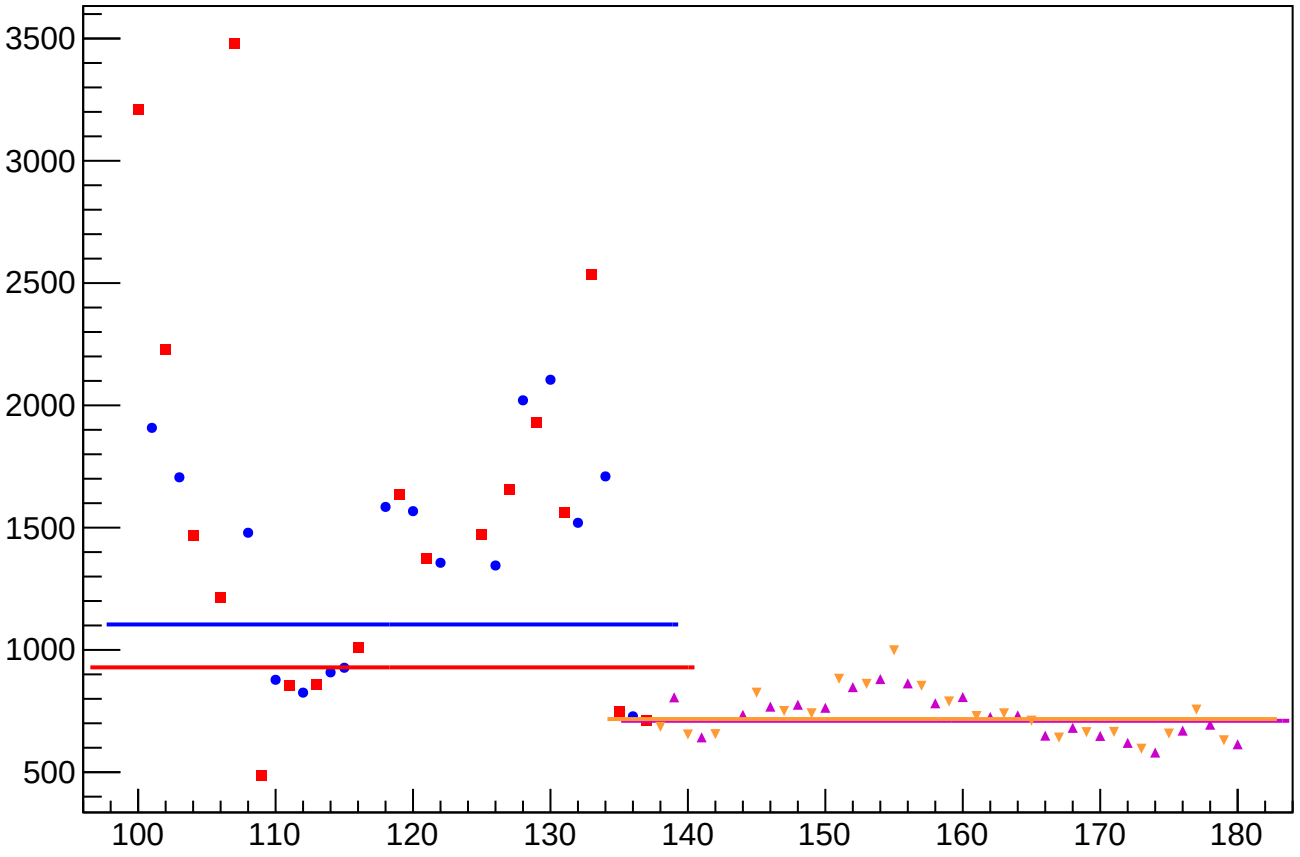
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -243.215+/-172.578 χ^2/NDF:19.2/20

+ sign -759.060+/-164.744 χ^2/NDF: 83.3/36

All: -545.904+/-114.082 χ^2/NDF: 118.6/75

- 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: 717.285+/-0.126 χ^2/NDF:507507.5/20

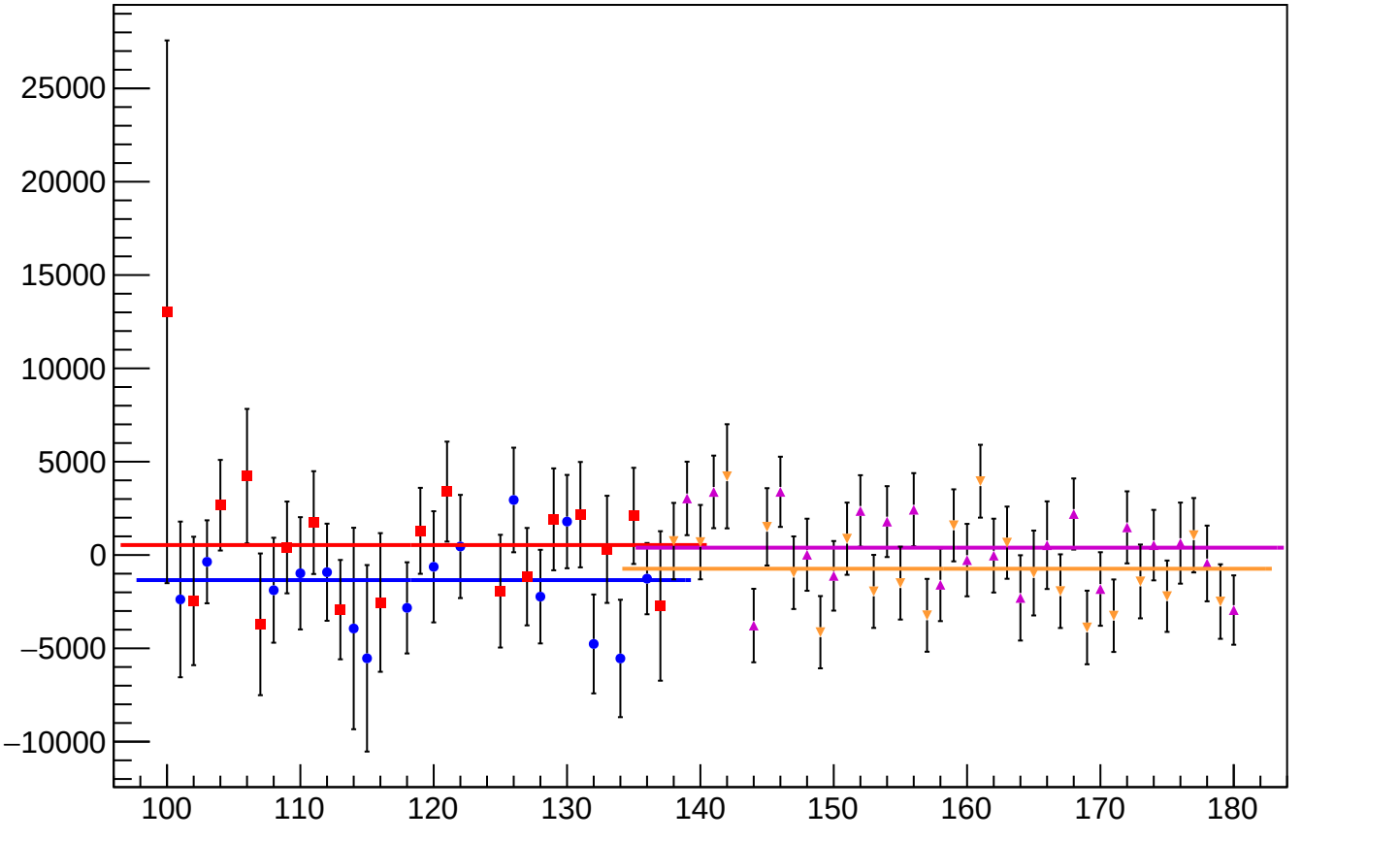
Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 710.218+/-0.122 χ^2/NDF:475741.7/20

\+ sign 770.900+/-0.116 χ^2/NDF: 3718449.2/36

All: 757.553+/-0.081 χ^2/NDF: 7787668.8/75

\- sign 745.255+/-0.112 χ^2/NDF: 4043995.1/38



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -735.885+/-436.885 χ^2/NDF:26.0/20

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

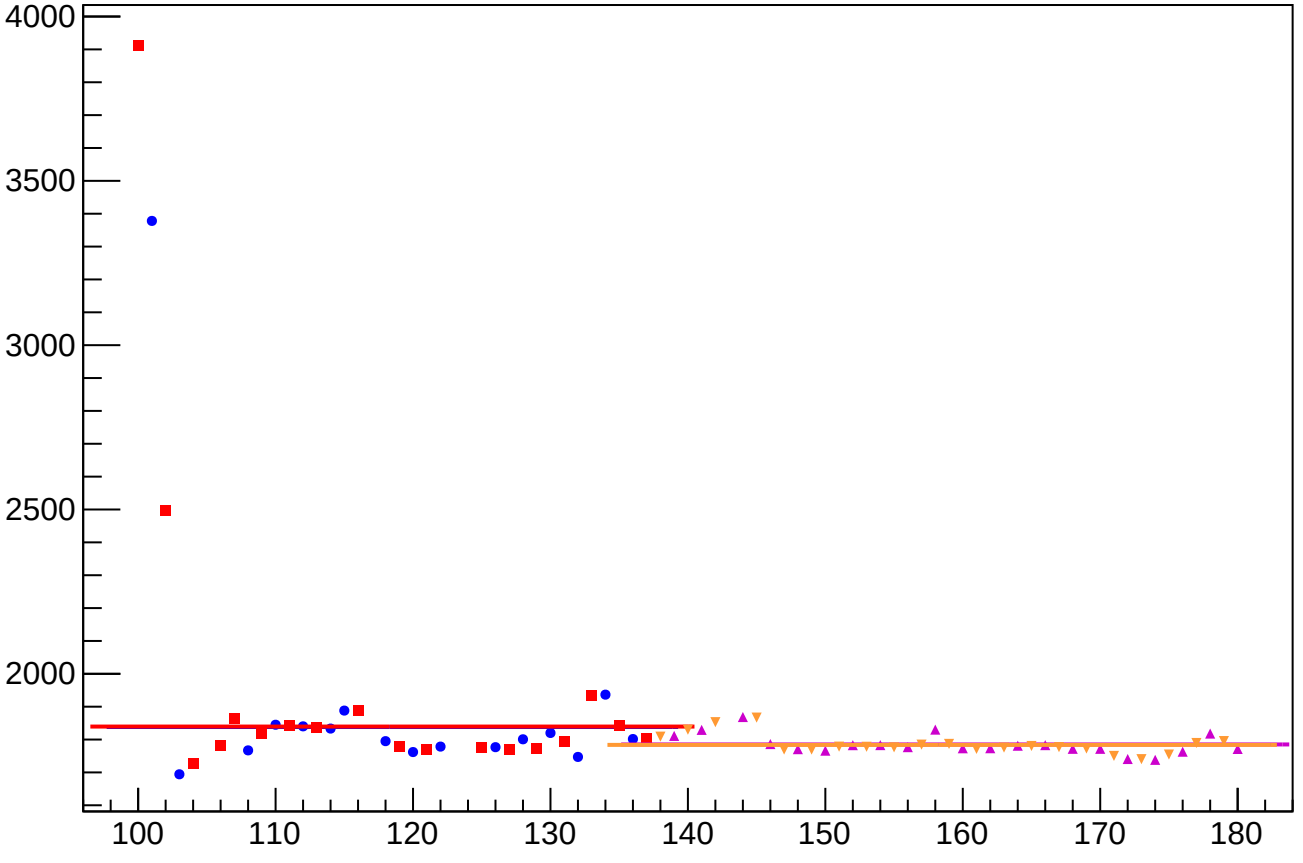
Left In: 392.186+/-429.796 χ^2/NDF:23.0/20

+ sign -909.559+/-369.260 χ^2/NDF: 36.1/36

All: -231.012+/-259.571 χ^2/NDF: 77.0/75

- 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: 1783.755+/-0.309 χ^2/NDF:8419.9/20

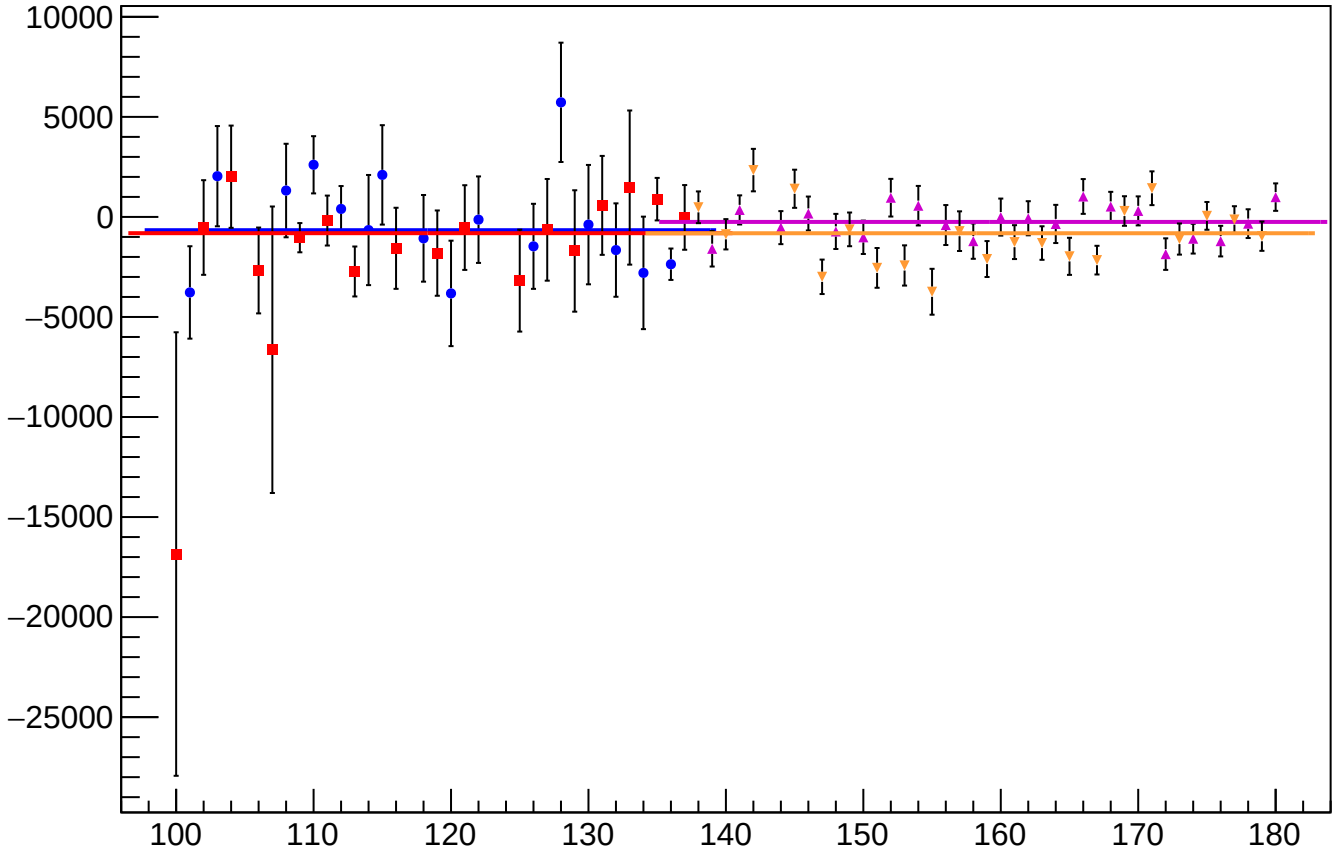
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1785.077+/-0.304 χ^2/NDF:9873.4/20

+ sign 1799.294+/-0.261 χ^2/NDF: 309262.1/36

All: 1799.785+/-0.184 χ^2/NDF: 456347.9/75

- 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: -815.584+/-182.225 χ^2/NDF:55.4/20

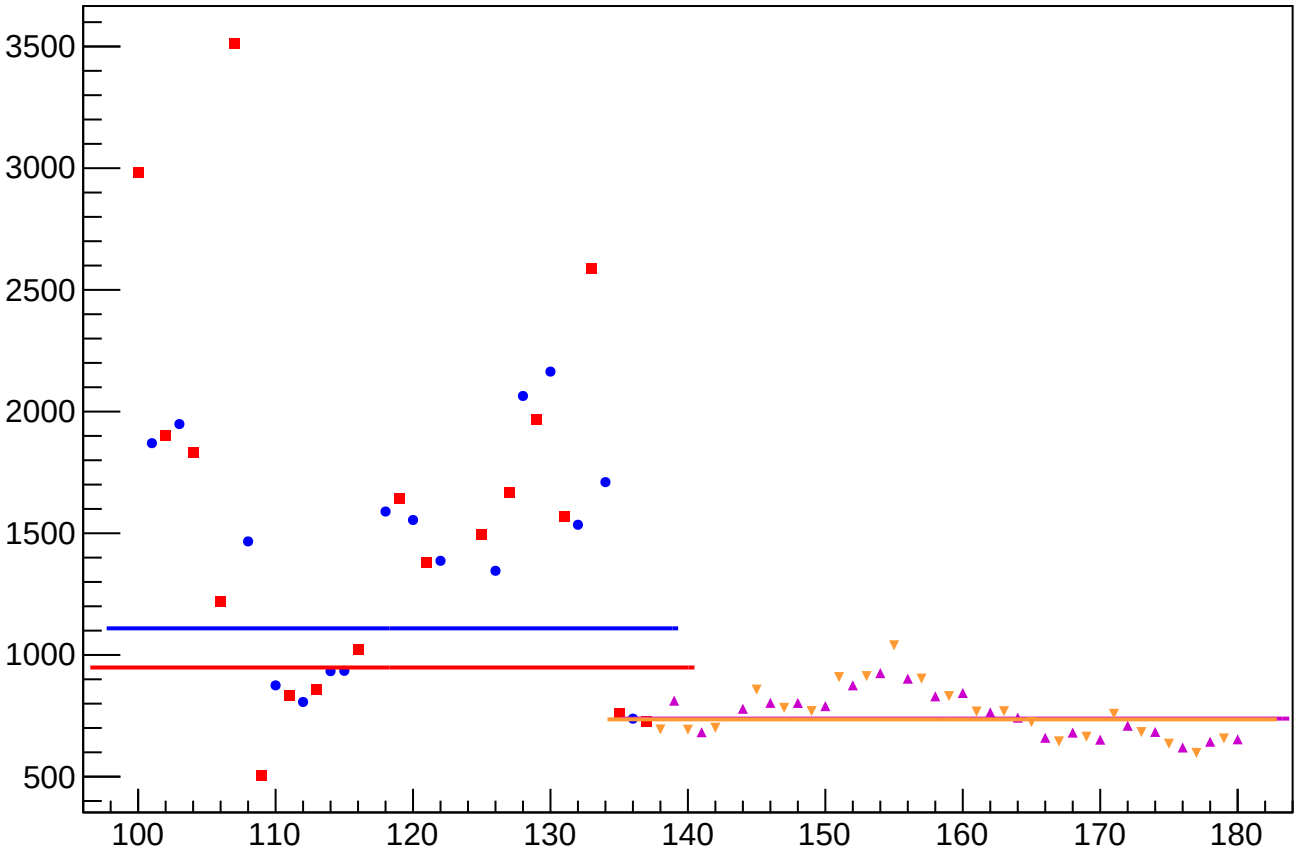
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -249.739+/-179.326 χ^2/NDF:22.2/20

\+ sign -793.818+/-168.683 χ^2/NDF: 78.3/36

All: -562.313+/-117.379 χ^2/NDF: 118.1/75

\- sign -344.977+/-163.440 χ^2/NDF: 36.2/38



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 735.384+/-0.129 χ^2/NDF:617362.5/20

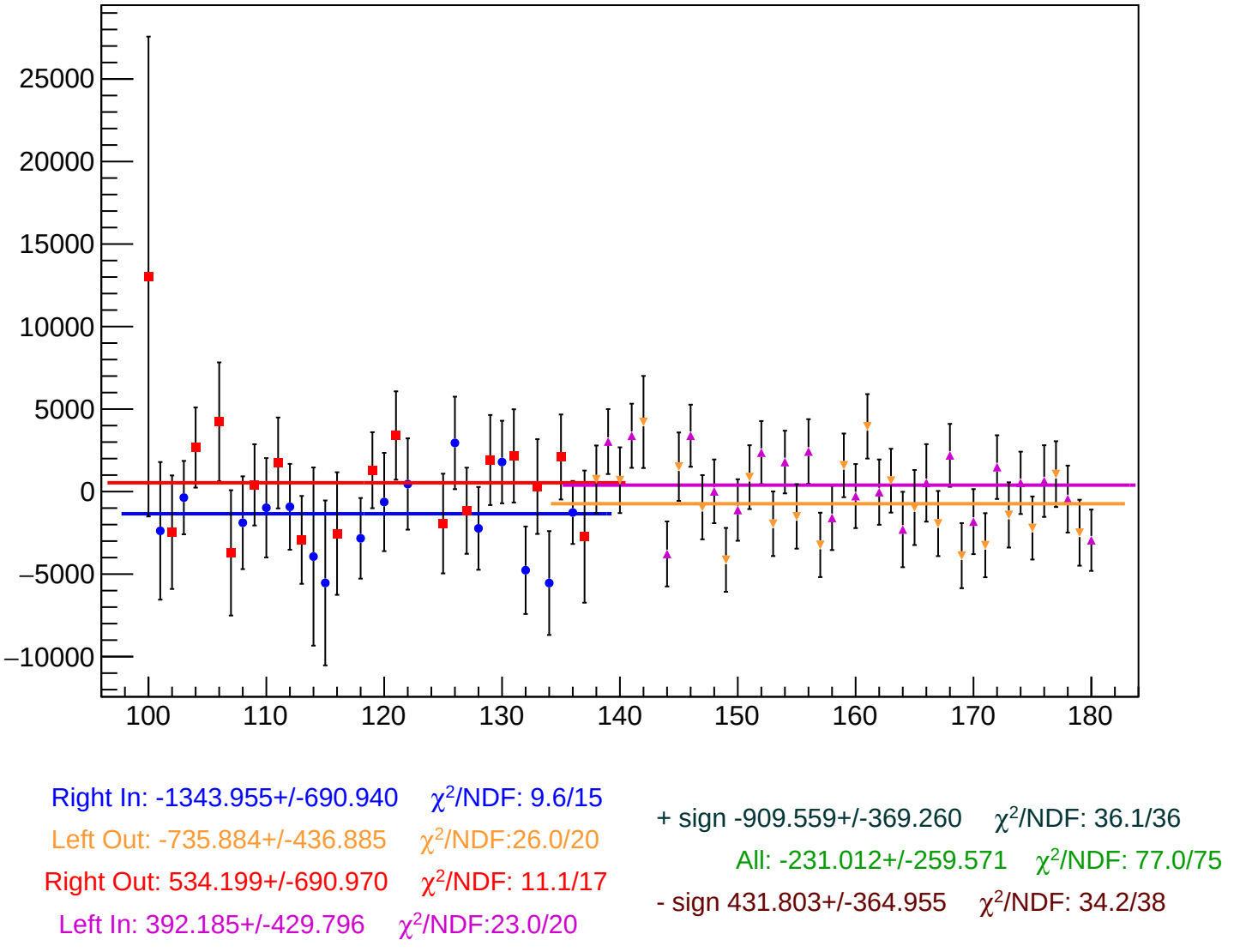
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 738.491+/-0.127 χ^2/NDF:461969.1/20

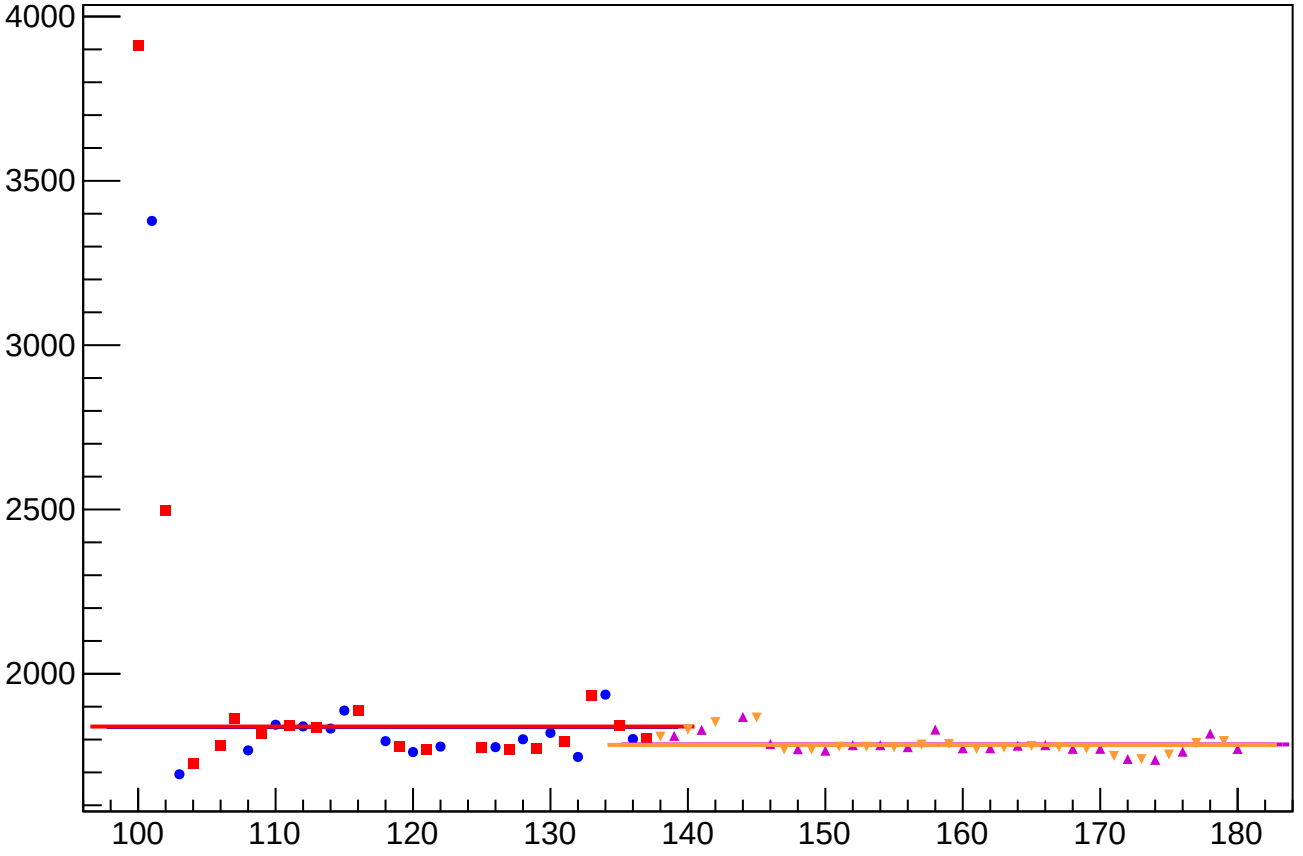
+ sign 788.903+/-0.119 χ^2/NDF: 3796221.7/36

All: 781.237+/-0.083 χ^2/NDF: 7784053.2/75

- sign 774.041+/-0.116 χ^2/NDF: 3979823.3/38


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -735.884+/-436.885 χ²/NDF:26.0/20
Right Out: 534.199+/-690.970 χ²/NDF: 11.1/17
Left In: 392.185+/-429.796 χ²/NDF:23.0/20
+ sign -909.559+/-369.260 χ²/NDF: 36.1/36
All: -231.012+/-259.571 χ²/NDF: 77.0/75
- sign 431.803+/-364.955 χ²/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: 1783.755+/-0.309 χ^2/NDF:8419.9/20

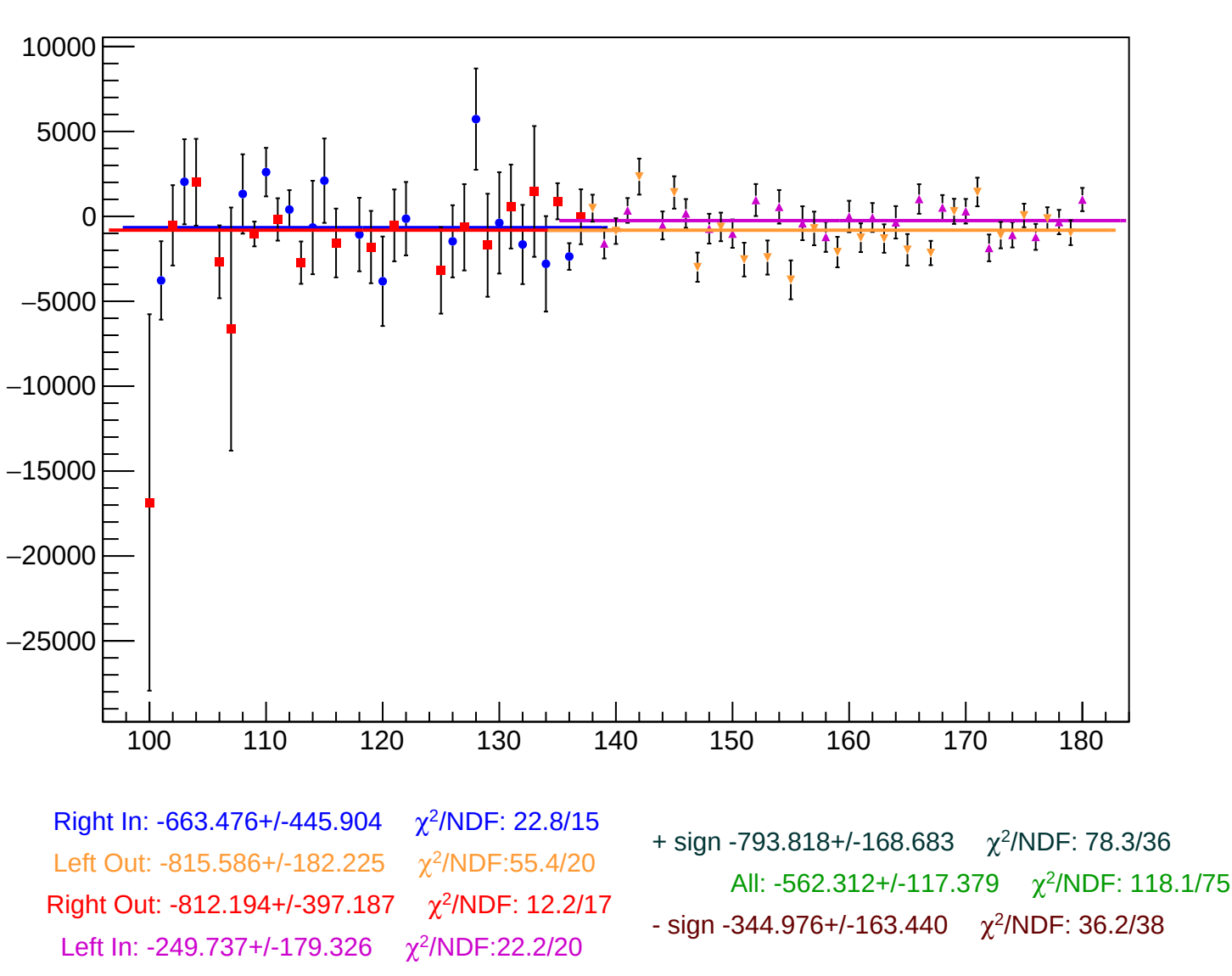
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

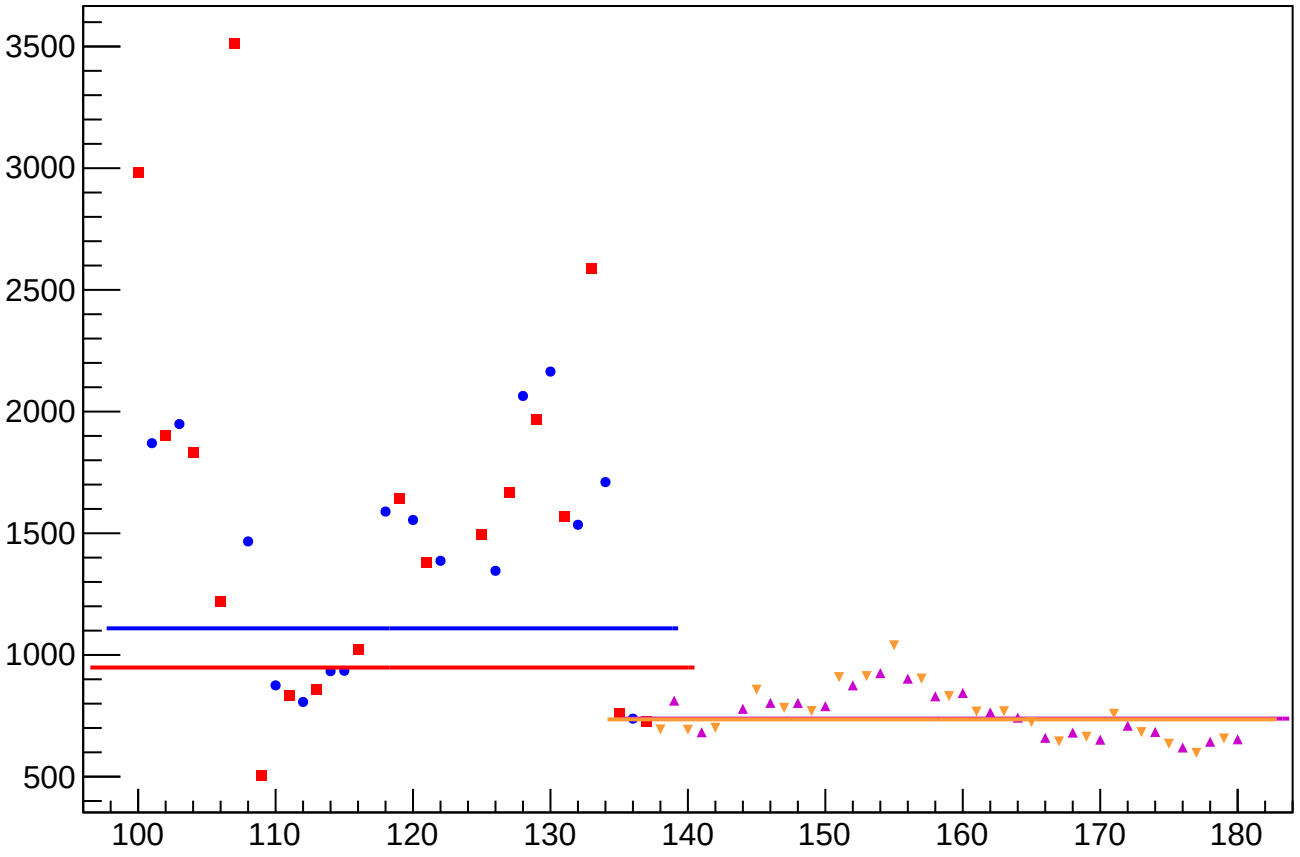
Left In: 1785.076+/-0.304 χ^2/NDF:9873.4/20

+ sign 1799.294+/-0.261 χ^2/NDF: 309262.1/36

All: 1799.785+/-0.184 χ^2/NDF: 456348.0/75

- sign 1800.264+/-0.258 χ^2/NDF: 147078.9/38


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: -663.476+/-445.904 χ²/NDF: 22.8/15
Left Out: -815.586+/-182.225 χ²/NDF:55.4/20
Right Out: -812.194+/-397.187 χ²/NDF: 12.2/17
Left In: -249.737+/-179.326 χ²/NDF:22.2/20
+ sign -793.818+/-168.683 χ²/NDF: 78.3/36
All: -562.312+/-117.379 χ²/NDF: 118.1/75
- sign -344.976+/-163.440 χ²/NDF: 36.2/38



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 735.384+/-0.129 χ^2/NDF:617359.0/20

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

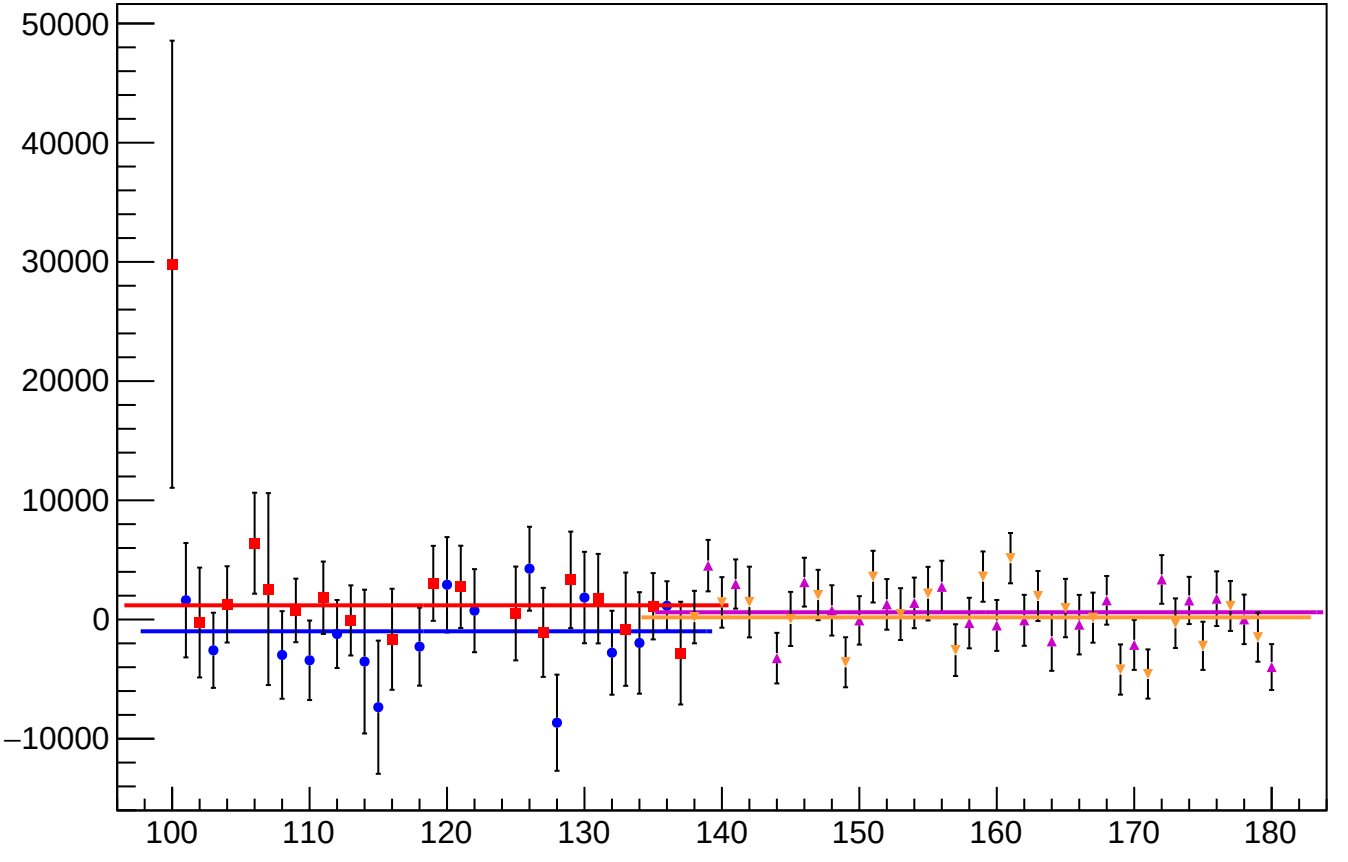
Left In: 738.491+/-0.127 χ^2/NDF:461981.0/20

+ sign 788.904+/-0.119 χ^2/NDF: 3796194.0/36

All: 781.238+/-0.083 χ^2/NDF: 7784024.4/75

- 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: 182.339+/-471.811 χ^2/NDF:30.4/20

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

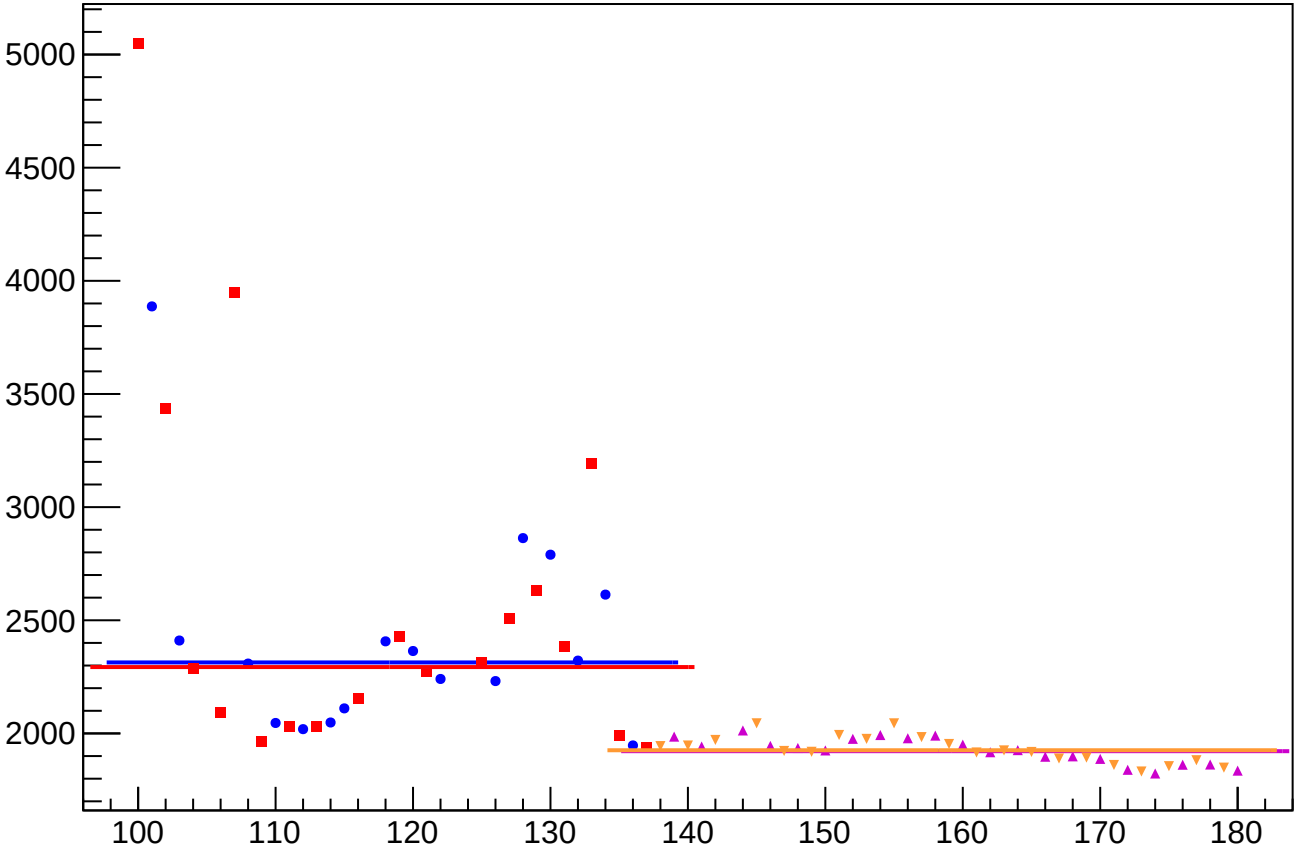
Left In: 608.475+/-462.804 χ^2/NDF:22.5/20

+ sign -81.724+/-415.161 χ^2/NDF: 43.7/36

All: 334.184+/-291.228 χ^2/NDF: 75.5/75

- 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: 1925.659+/-0.334 χ^2/NDF:30018.5/20

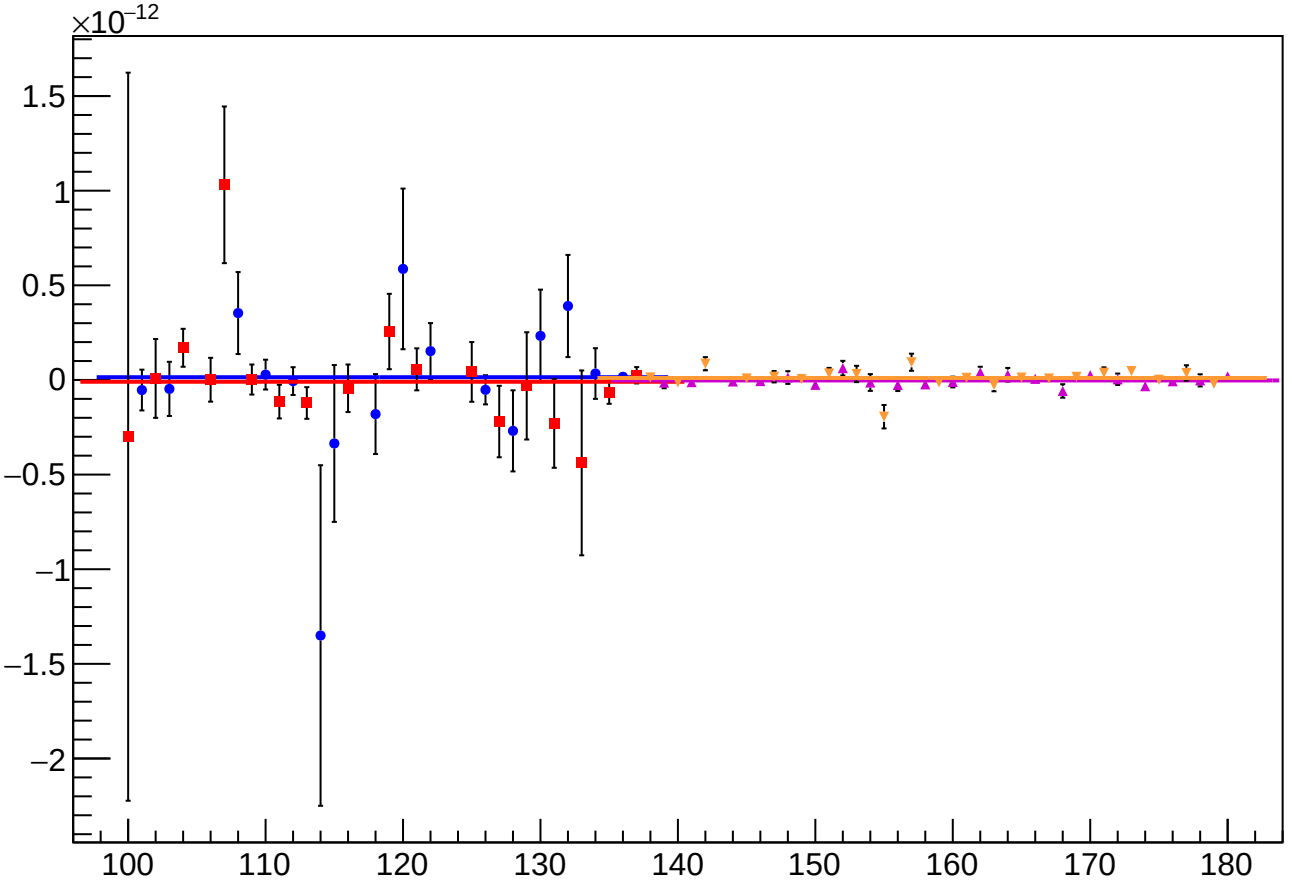
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1921.545+/-0.327 χ^2/NDF:29637.1/20

+ sign 2013.257+/-0.294 χ^2/NDF: 738205.4/36

All: 2008.288+/-0.206 χ^2/NDF: 1505984.8/75

- 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:31.9/20

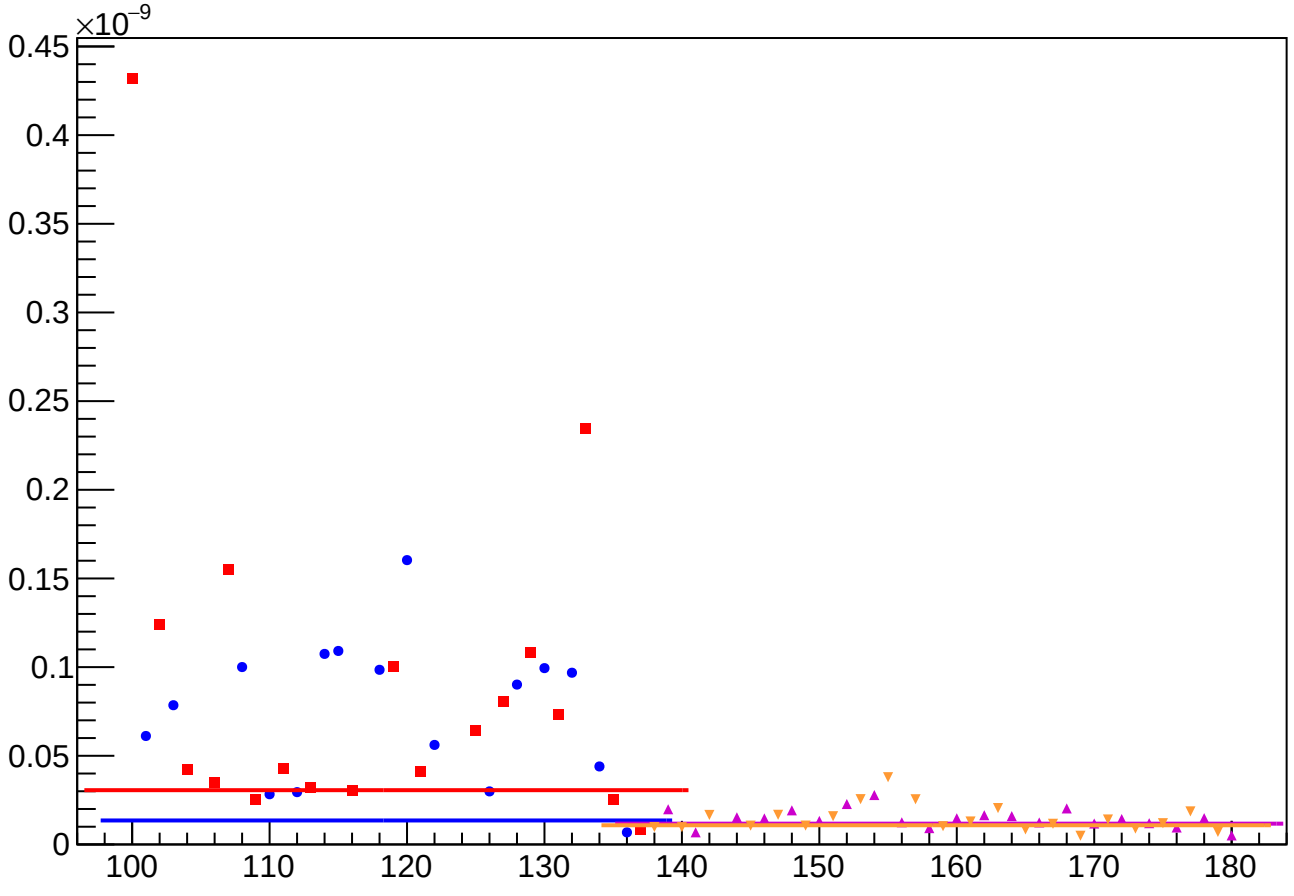
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:17.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 47.0/36

All: 0.000+/-0.000 χ^2/NDF: 88.4/75

- sign -0.000+/-0.000 χ^2/NDF: 37.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1881214.5/20

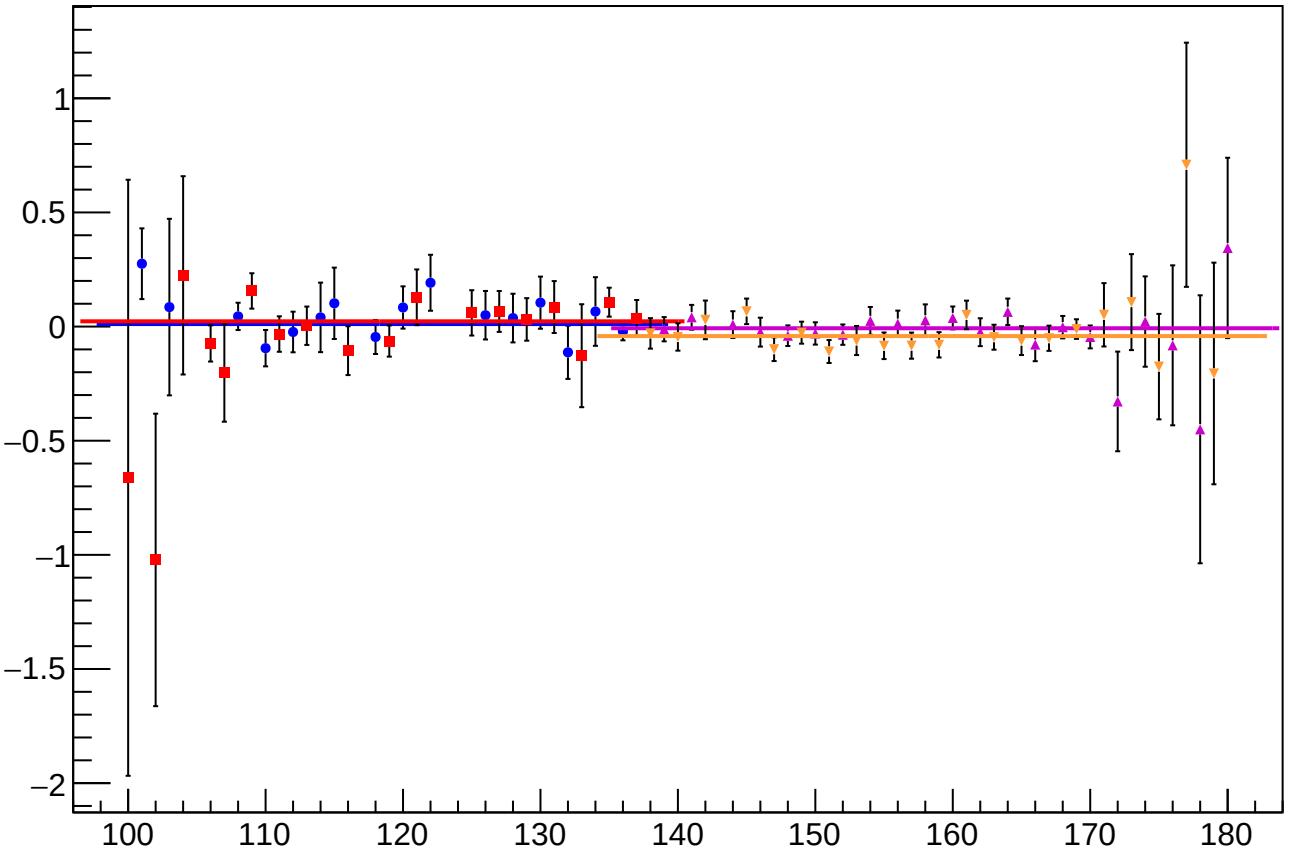
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1805933.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 5363511.0/36

All: 0.000+/-0.000 χ^2/NDF: 10778699.1/75

- sign 0.000+/-0.000 χ^2/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:15.5/20

Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

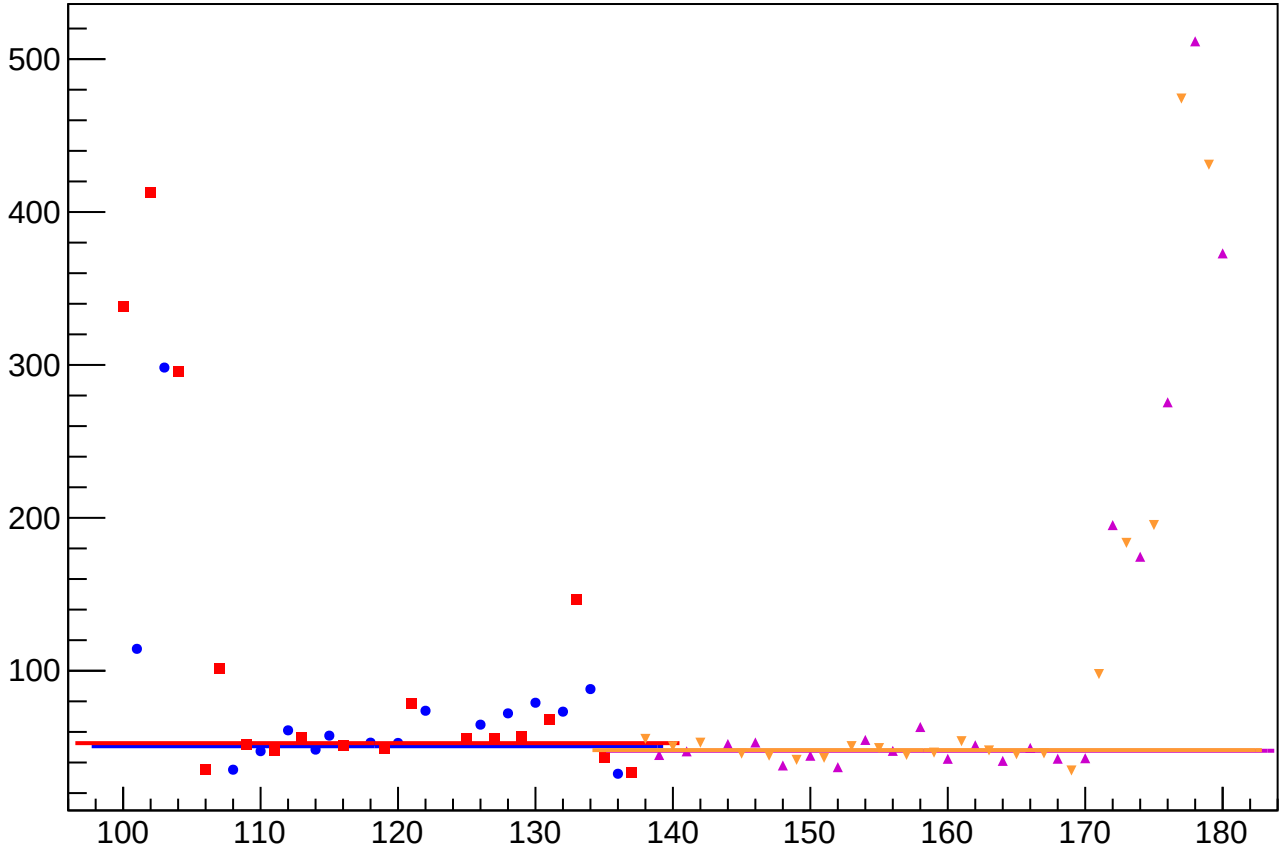
Left In: -0.007+/-0.014 χ^2/NDF:10.3/20

+ sign -0.026+/-0.012 χ^2/NDF: 31.3/36

All: -0.013+/-0.008 χ^2/NDF: 61.5/75

- sign 0.000+/-0.012 χ^2/NDF: 27.5/38

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.110+/-0.010 χ^2/NDF:4745633.8/20

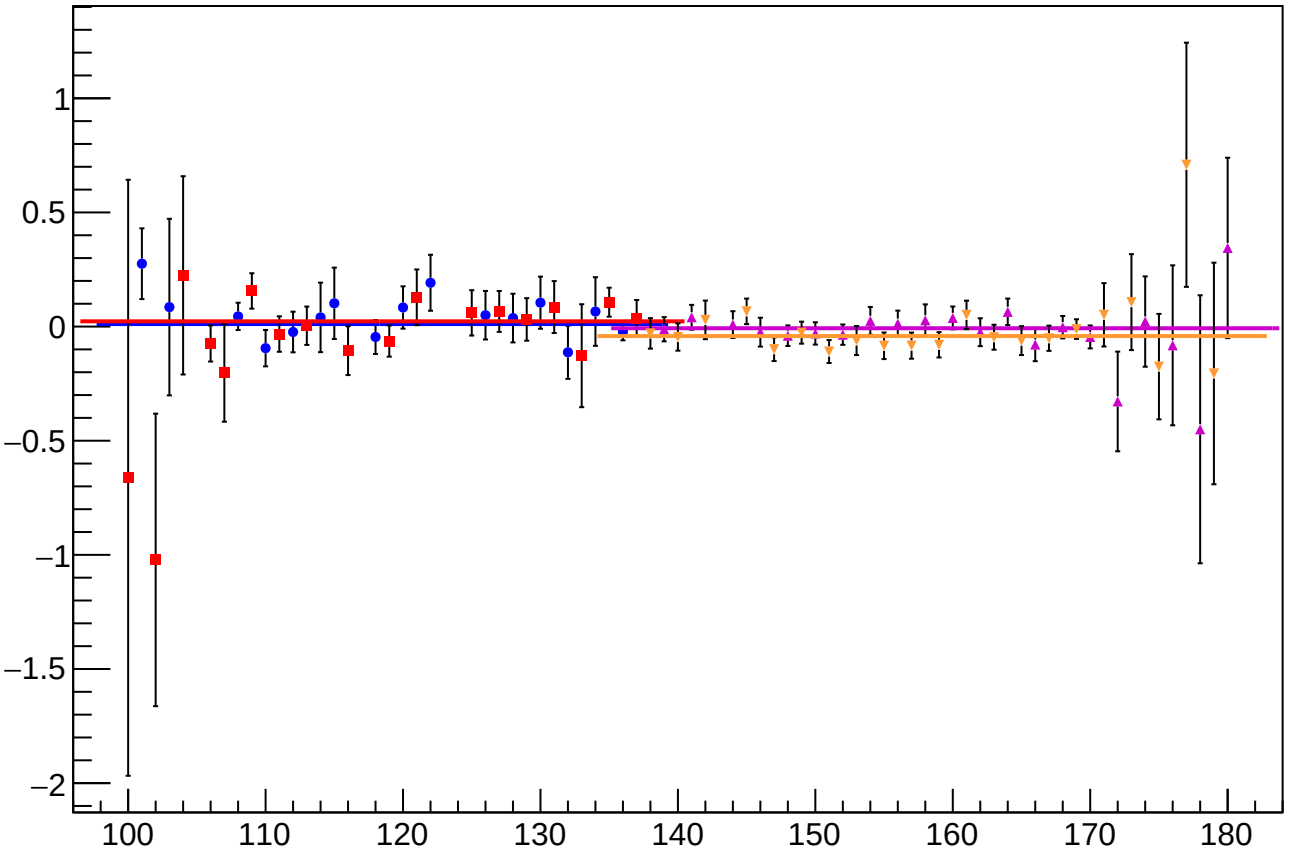
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.684+/-0.010 χ^2/NDF:5658193.4/20

+ sign 48.842+/-0.008 χ^2/NDF: 7031191.4/36

All: 48.900+/-0.006 χ^2/NDF: 14970608.1/75

- 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:15.5/20

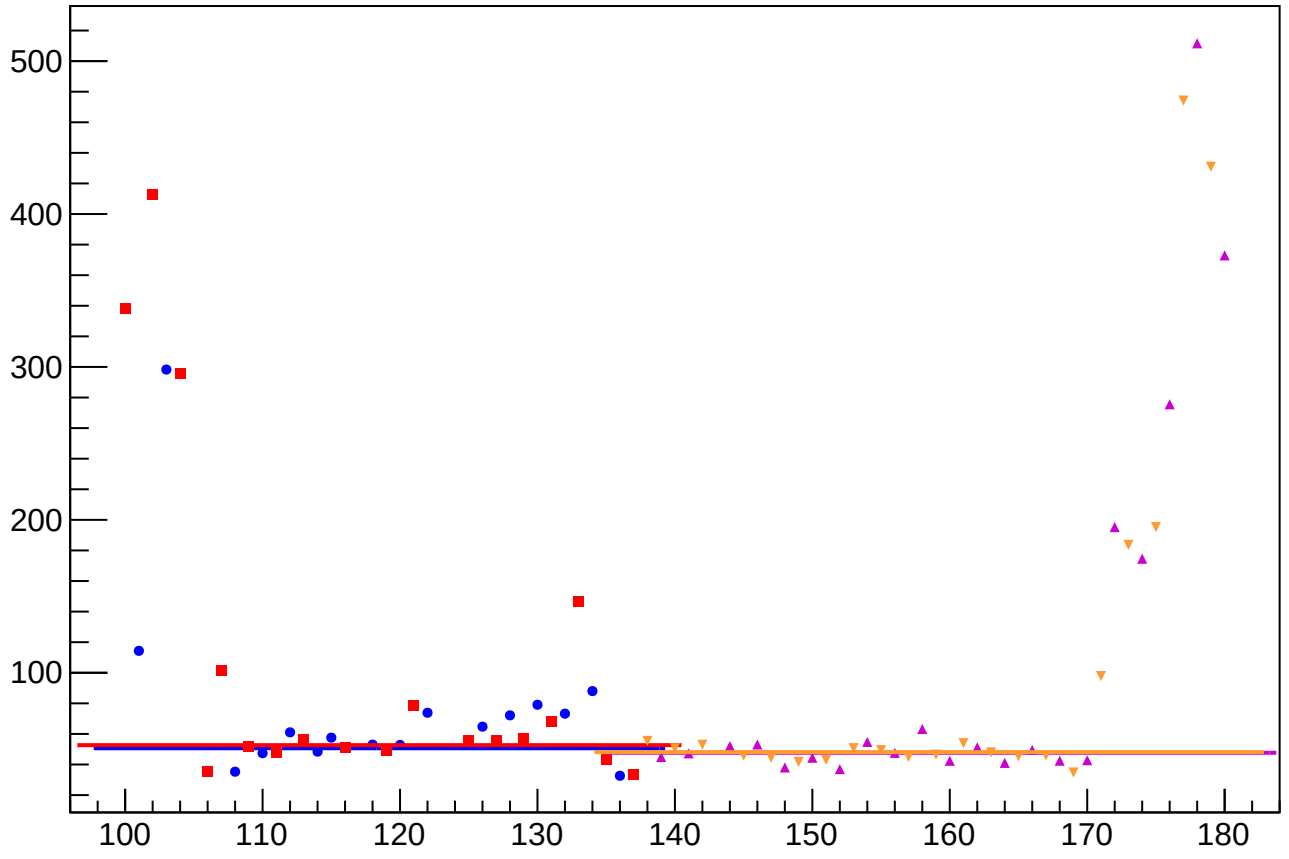
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.007+/-0.014 χ^2/NDF:10.3/20

+ sign -0.026+/-0.012 χ^2/NDF: 31.3/36

All: -0.013+/-0.008 χ^2/NDF: 61.5/75

- 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: 48.110+/-0.010 χ^2/NDF:4745633.8/20

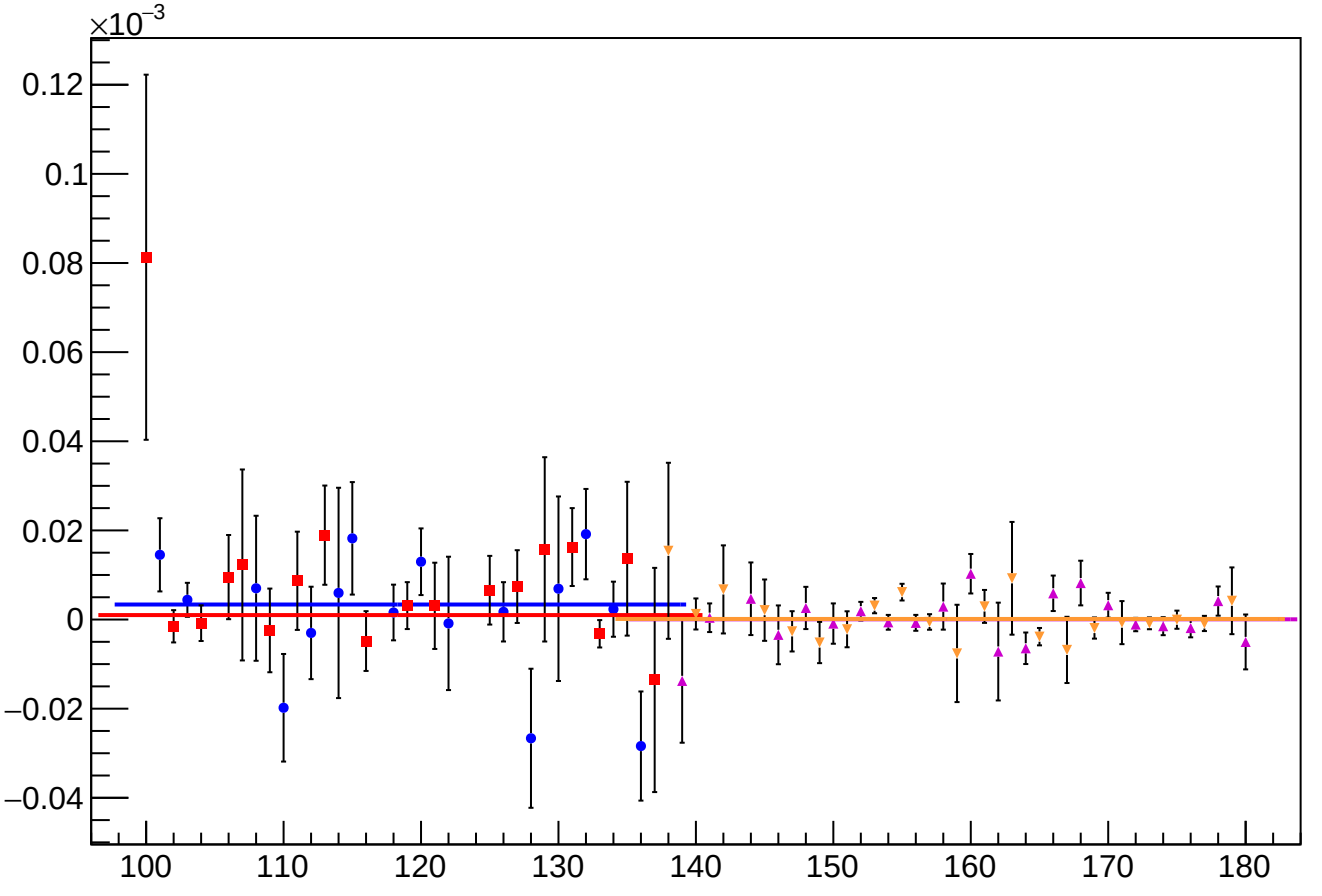
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.684+/-0.010 χ^2/NDF:5658193.4/20

+ sign 48.842+/-0.008 χ^2/NDF: 7031191.4/36

All: 48.900+/-0.006 χ^2/NDF: 14970608.1/75

- 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:25.4/20

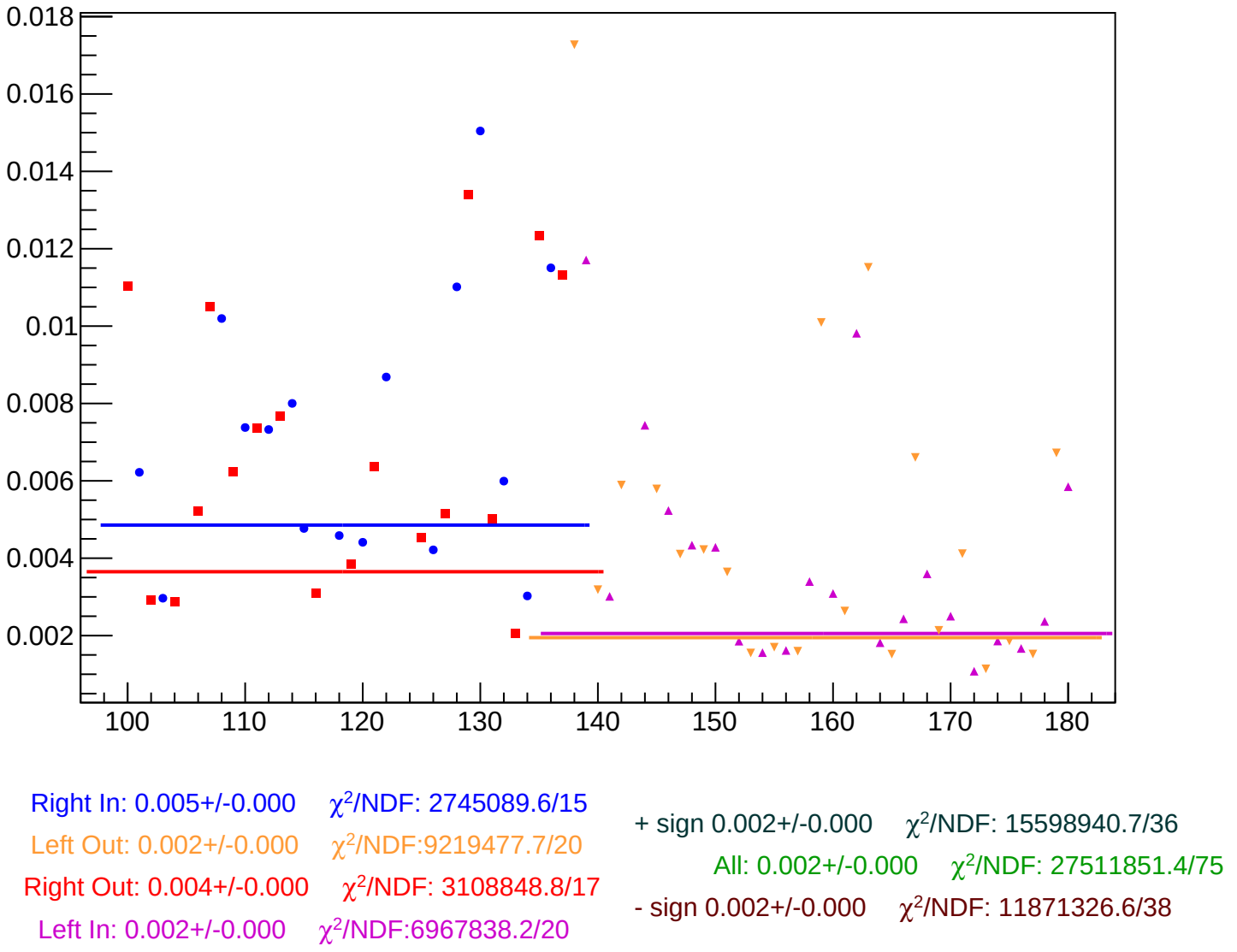
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

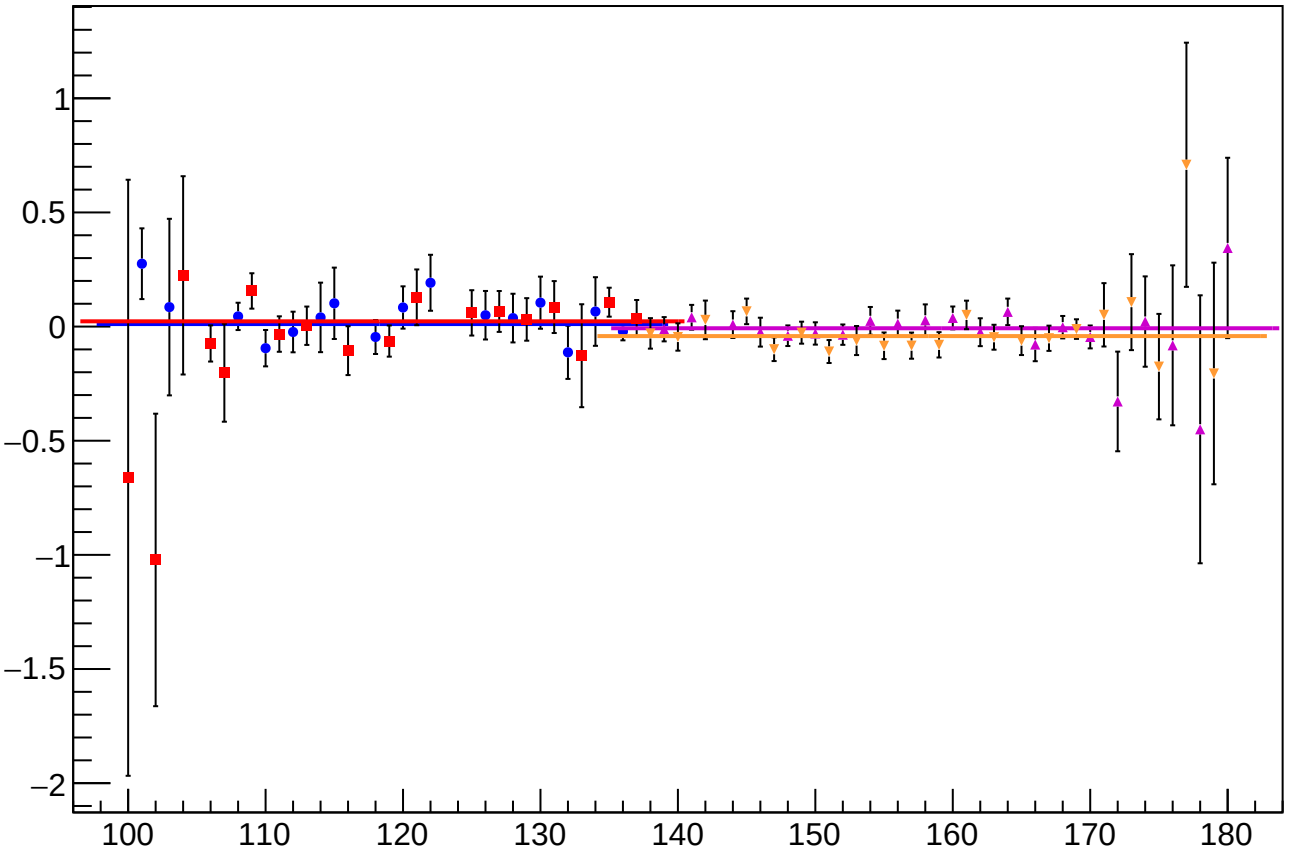
Left In: 0.000+/-0.000 χ^2/NDF:22.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 49.8/36

All: 0.000+/-0.000 χ^2/NDF: 90.3/75

- sign 0.000+/-0.000 χ^2/NDF: 40.4/38


asym_us_dd_atlr_dd_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: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:9219477.7/20
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:6967838.2/20
+ sign 0.002+/-0.000 χ²/NDF: 15598940.7/36
All: 0.002+/-0.000 χ²/NDF: 27511851.4/75
- sign 0.002+/-0.000 χ²/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:15.5/20

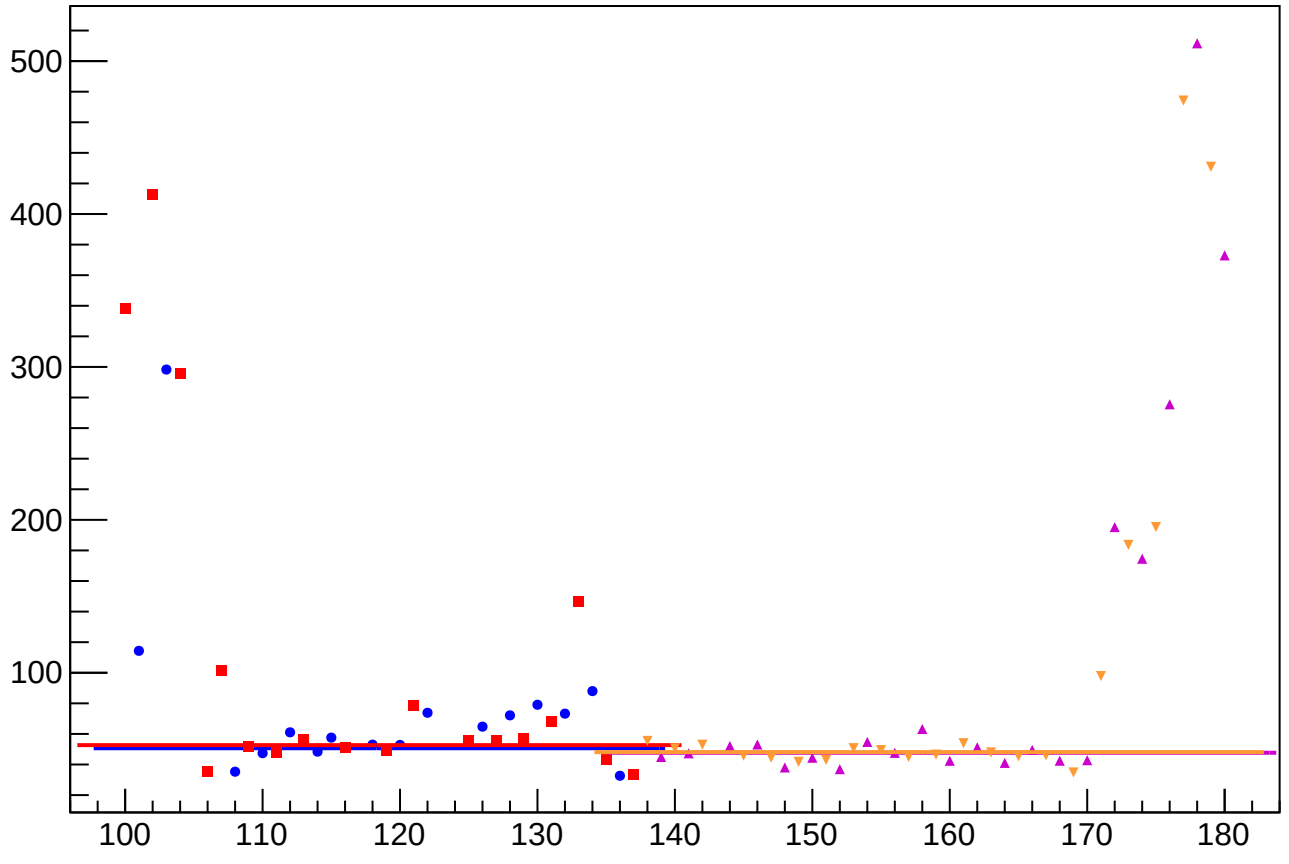
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:10.3/20

+ sign -0.026+/-0.012 χ^2/NDF: 31.3/36

All: -0.013+/-0.008 χ^2/NDF: 61.5/75

- 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: 48.109+/-0.010 χ^2/NDF:4745649.8/20

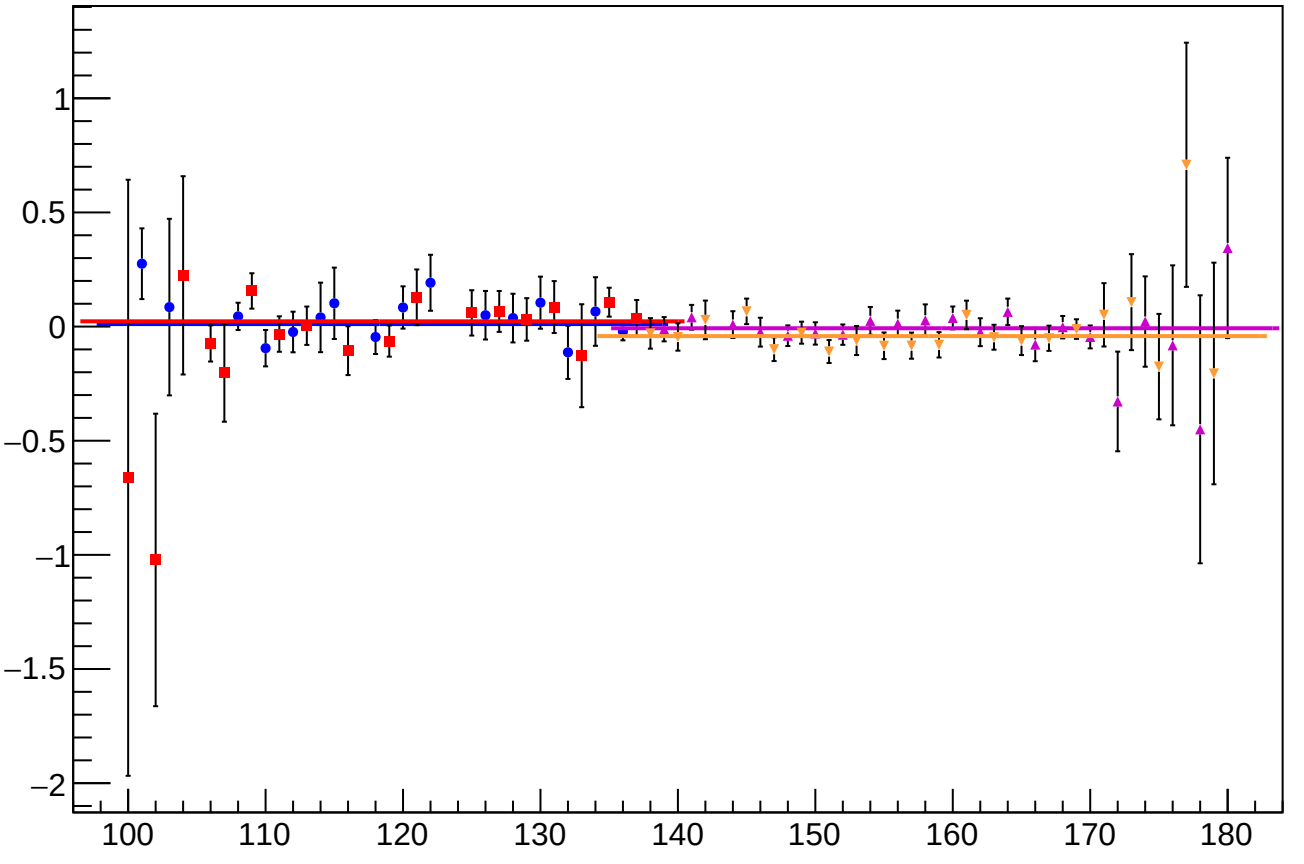
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.684+/-0.010 χ^2/NDF:5658123.8/20

+ sign 48.842+/-0.008 χ^2/NDF: 7031122.2/36

All: 48.900+/-0.006 χ^2/NDF: 14970368.2/75

- sign 48.958+/-0.008 χ^2/NDF: 7939148.9/38



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

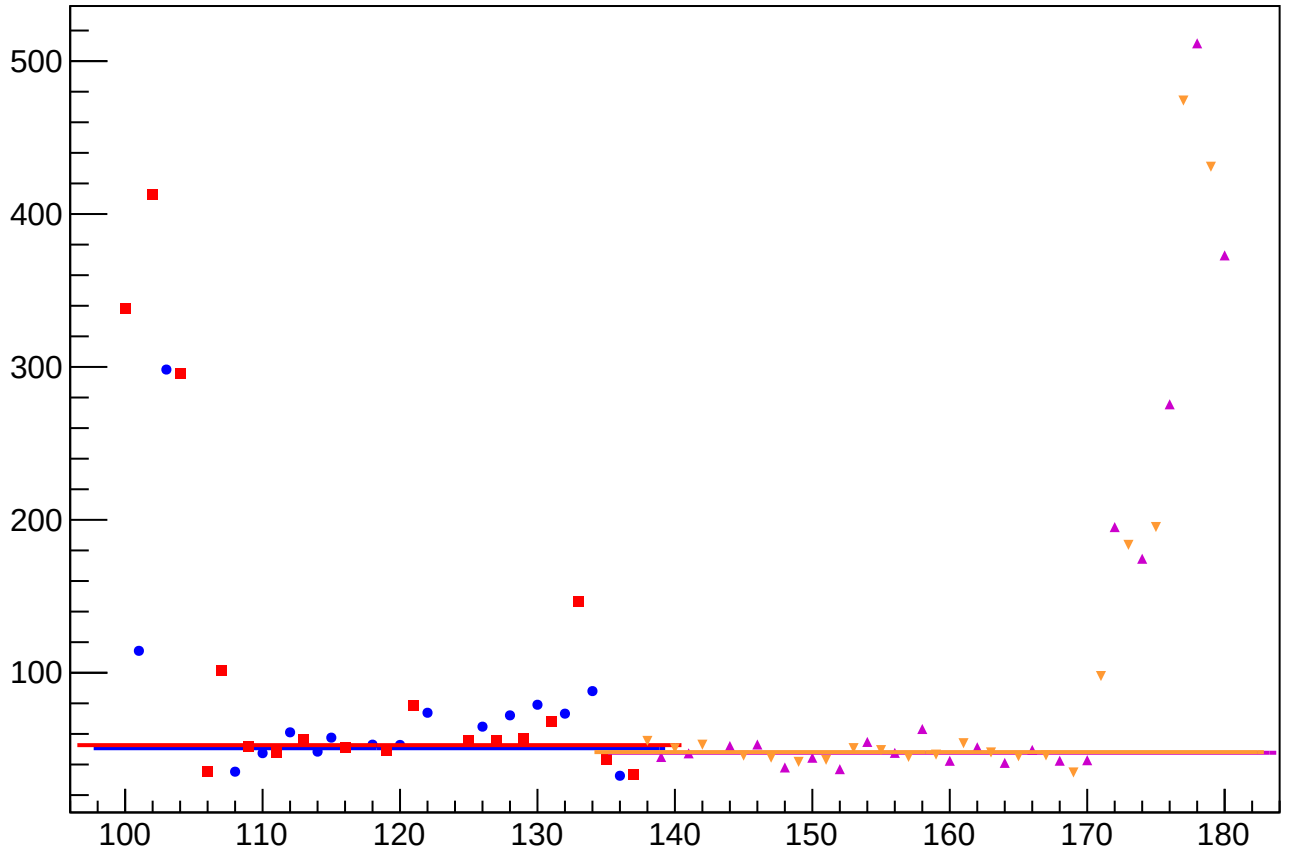
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.007+/-0.014 χ^2/NDF:10.3/20

+ sign -0.026+/-0.012 χ^2/NDF: 31.3/36

All: -0.013+/-0.008 χ^2/NDF: 61.5/75

- 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: 48.109+/-0.010 χ^2/NDF:4745649.8/20

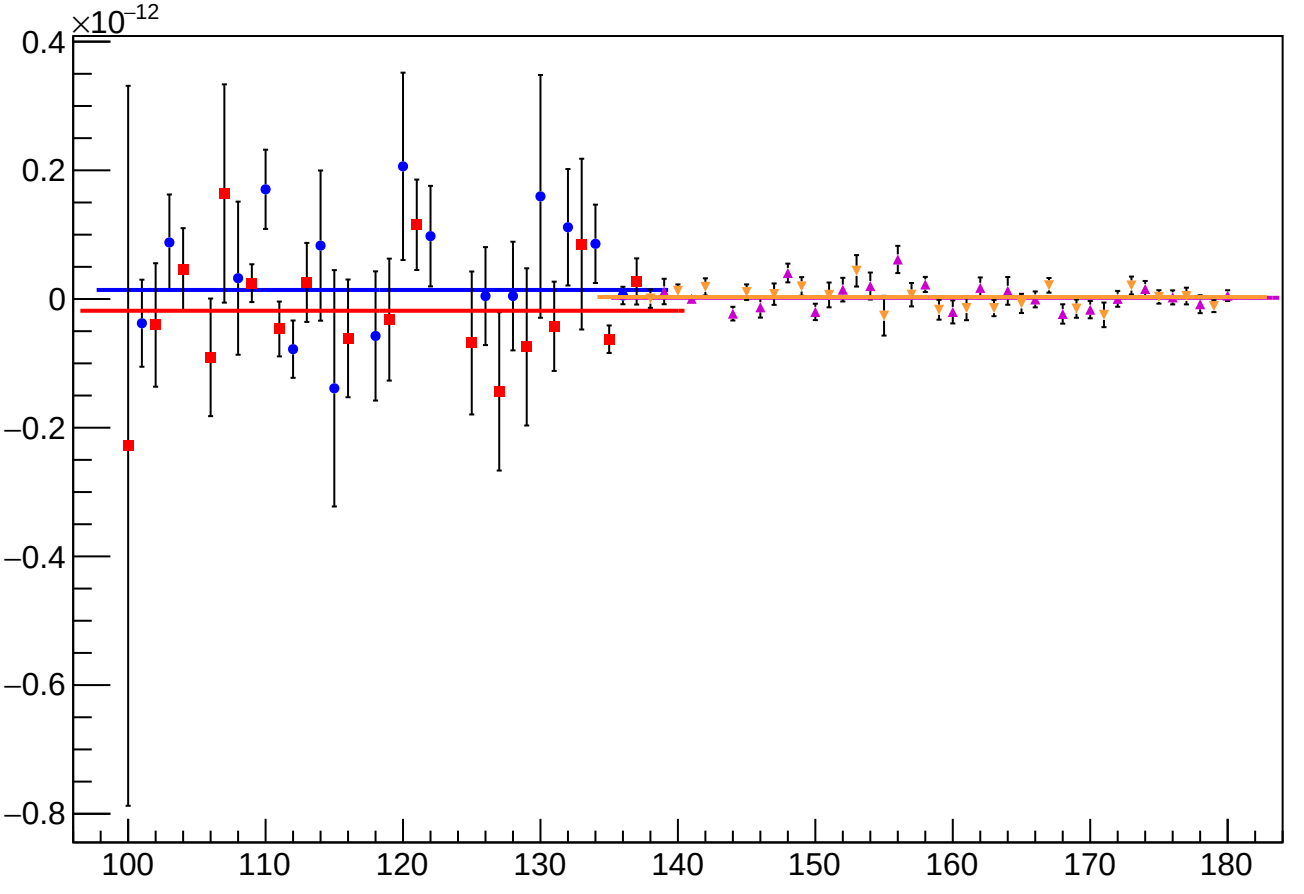
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.684+/-0.010 χ^2/NDF:5658123.8/20

+ sign 48.842+/-0.008 χ^2/NDF: 7031122.2/36

All: 48.900+/-0.006 χ^2/NDF: 14970368.2/75

- 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:22.9/20

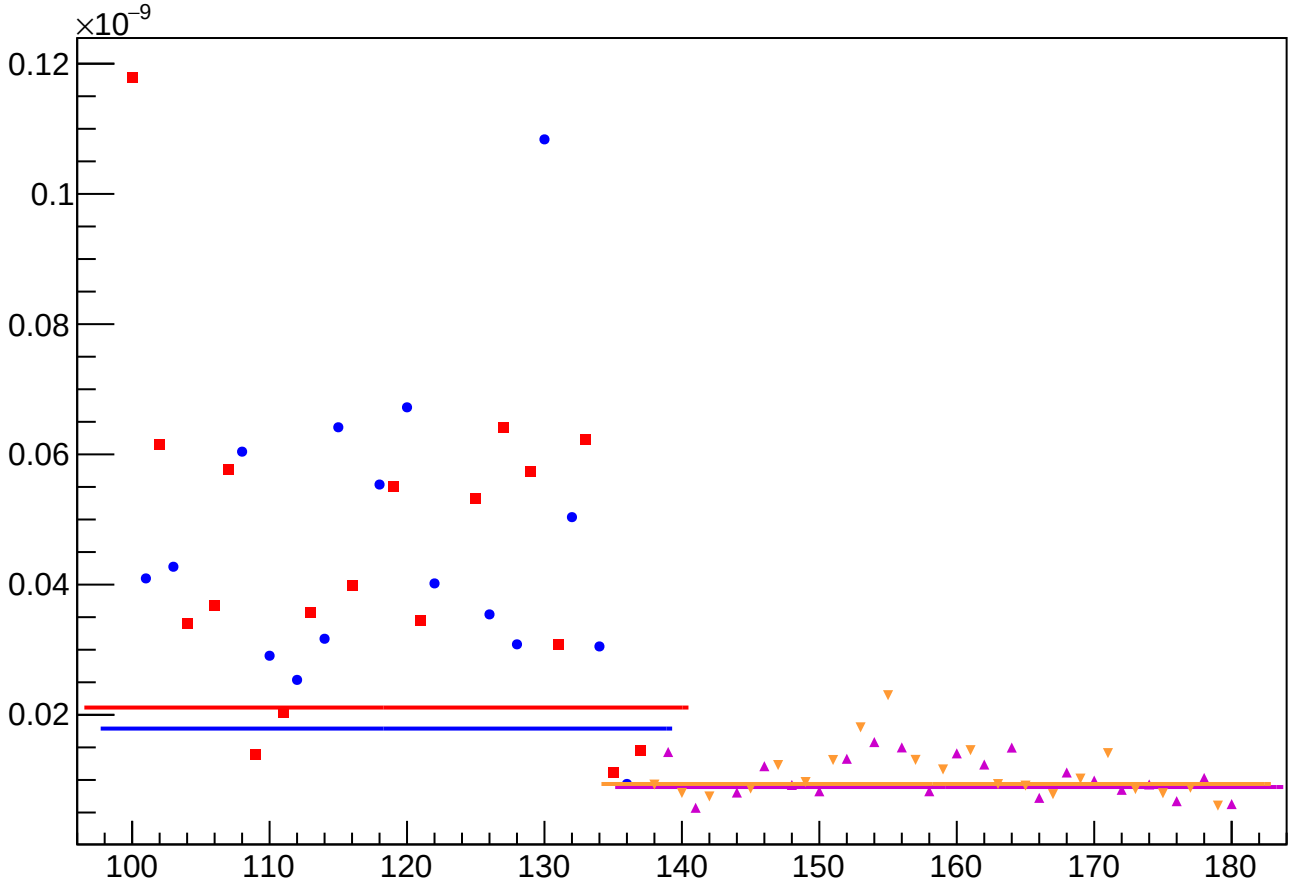
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:38.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/36

All: 0.000+/-0.000 χ^2/NDF: 103.1/75

- 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:1617081.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

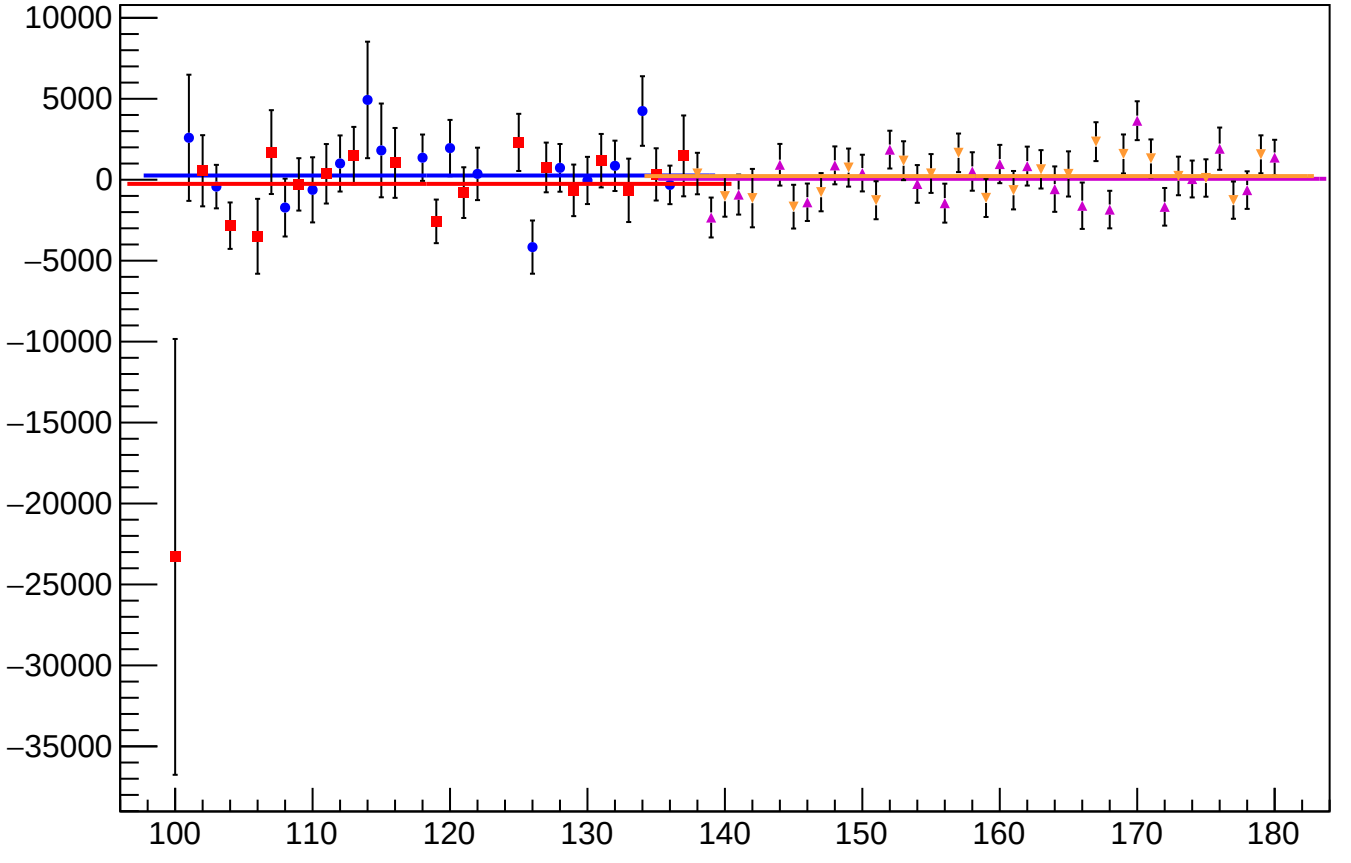
Left In: 0.000+/-0.000 χ^2/NDF:1885890.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 6069972.3/36

All: 0.000+/-0.000 χ^2/NDF: 12404740.3/75

- 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: 225.098+/-266.733 χ^2/NDF:18.4/20

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

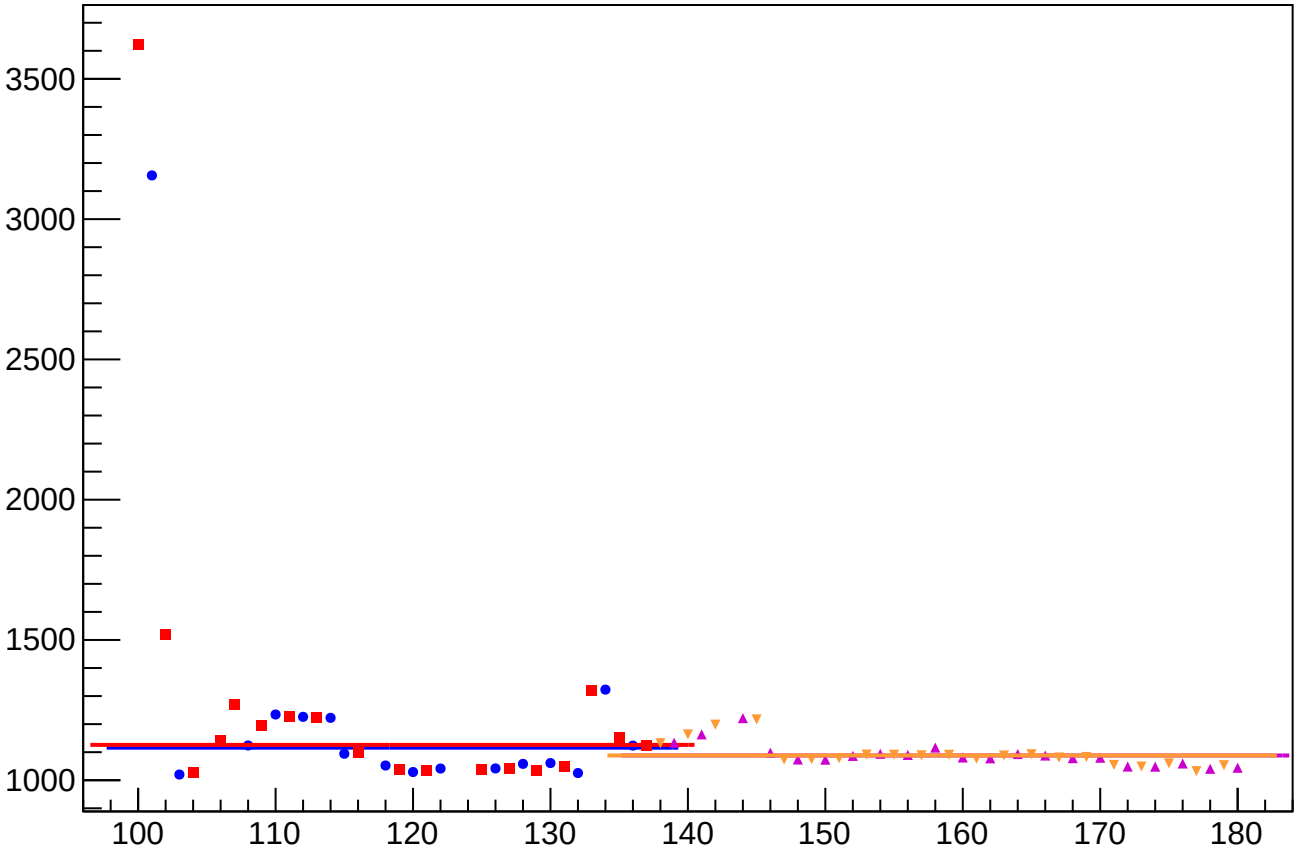
Left In: 57.245+/-262.167 χ^2/NDF:31.4/20

+ sign 235.197+/-225.872 χ^2/NDF: 35.4/36

All: 101.629+/-158.778 χ^2/NDF: 85.2/75

- 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: 1088.340+/-0.189 χ^2/NDF:47390.0/20

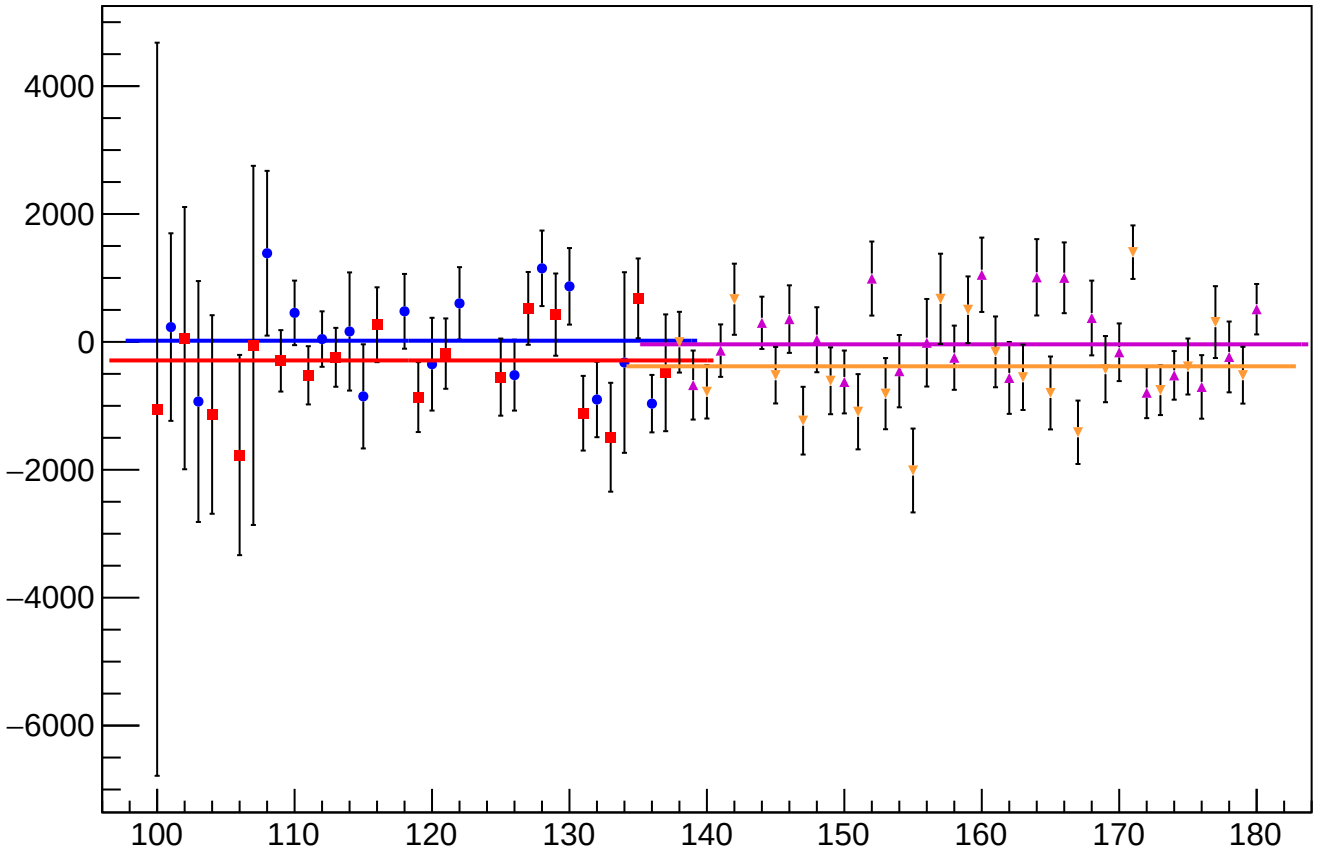
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1088.242+/-0.185 χ^2/NDF:46136.6/20

+ sign 1096.190+/-0.160 χ^2/NDF: 676904.9/36

All: 1097.423+/-0.112 χ^2/NDF: 956678.5/75

- 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: -381.630+/-109.425 χ^2/NDF:47.1/20

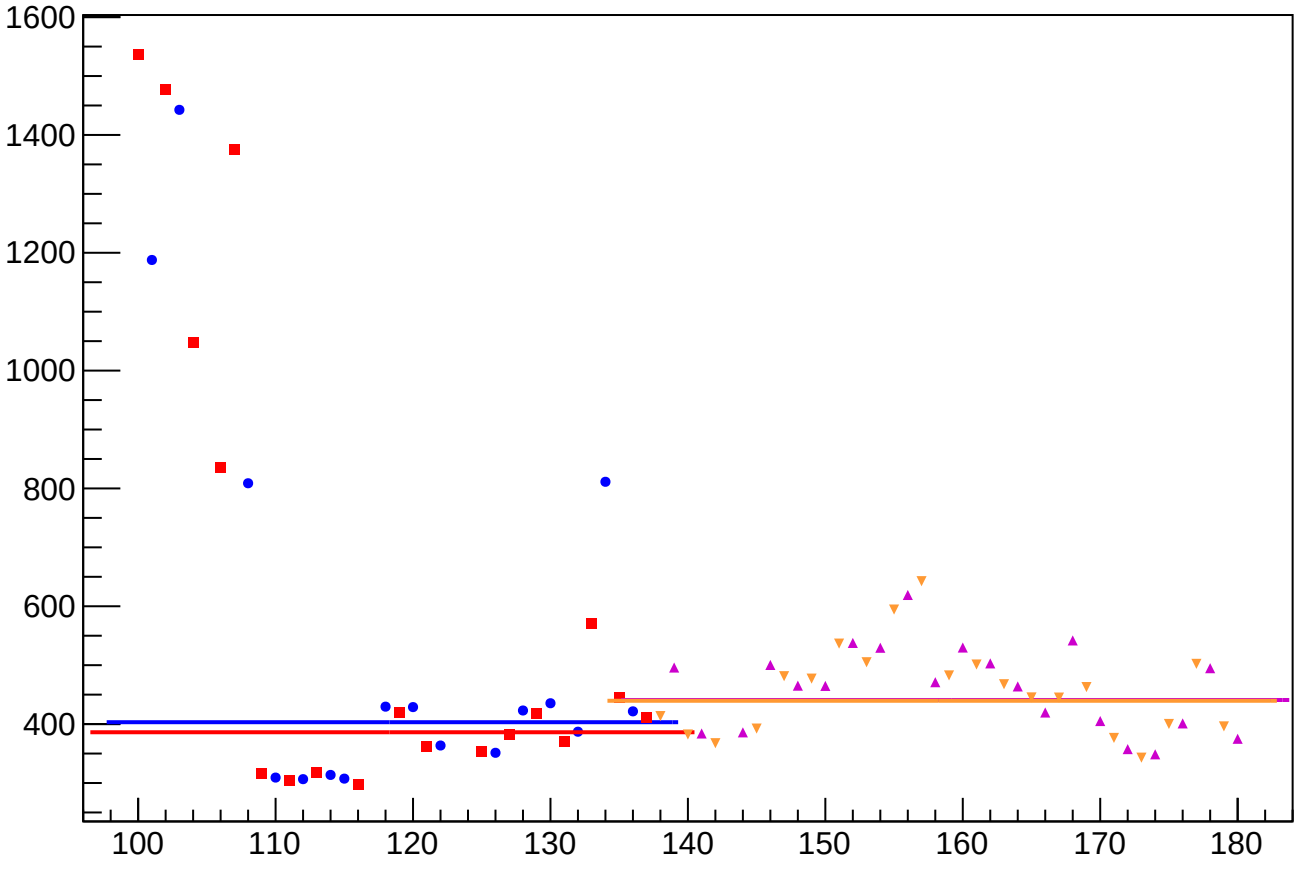
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -37.848+/-107.727 χ^2/NDF:28.7/20

+ sign -255.462+/-90.543 χ^2/NDF: 70.5/36

All: -185.871+/-63.354 χ^2/NDF: 115.6/75

- sign -119.115+/-88.680 χ^2/NDF: 43.9/38



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 439.585+/-0.077 χ^2/NDF:757931.2/20

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

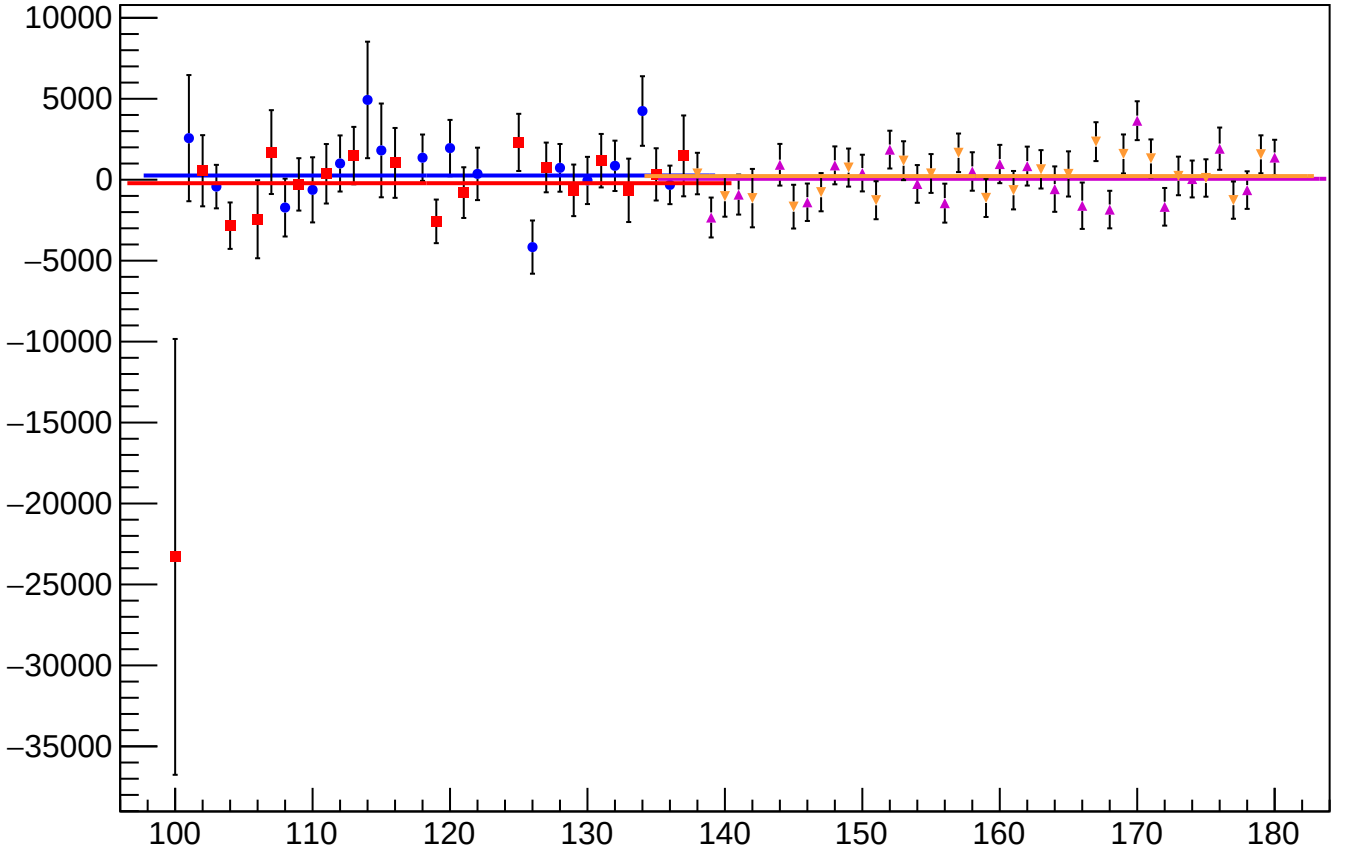
Left In: 440.902+/-0.076 χ^2/NDF:820600.5/20

+ sign 428.110+/-0.064 χ^2/NDF: 2636117.5/36

All: 425.630+/-0.045 χ^2/NDF: 5385340.7/75

- 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: 225.116+/-266.733 χ^2/NDF:18.4/20

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

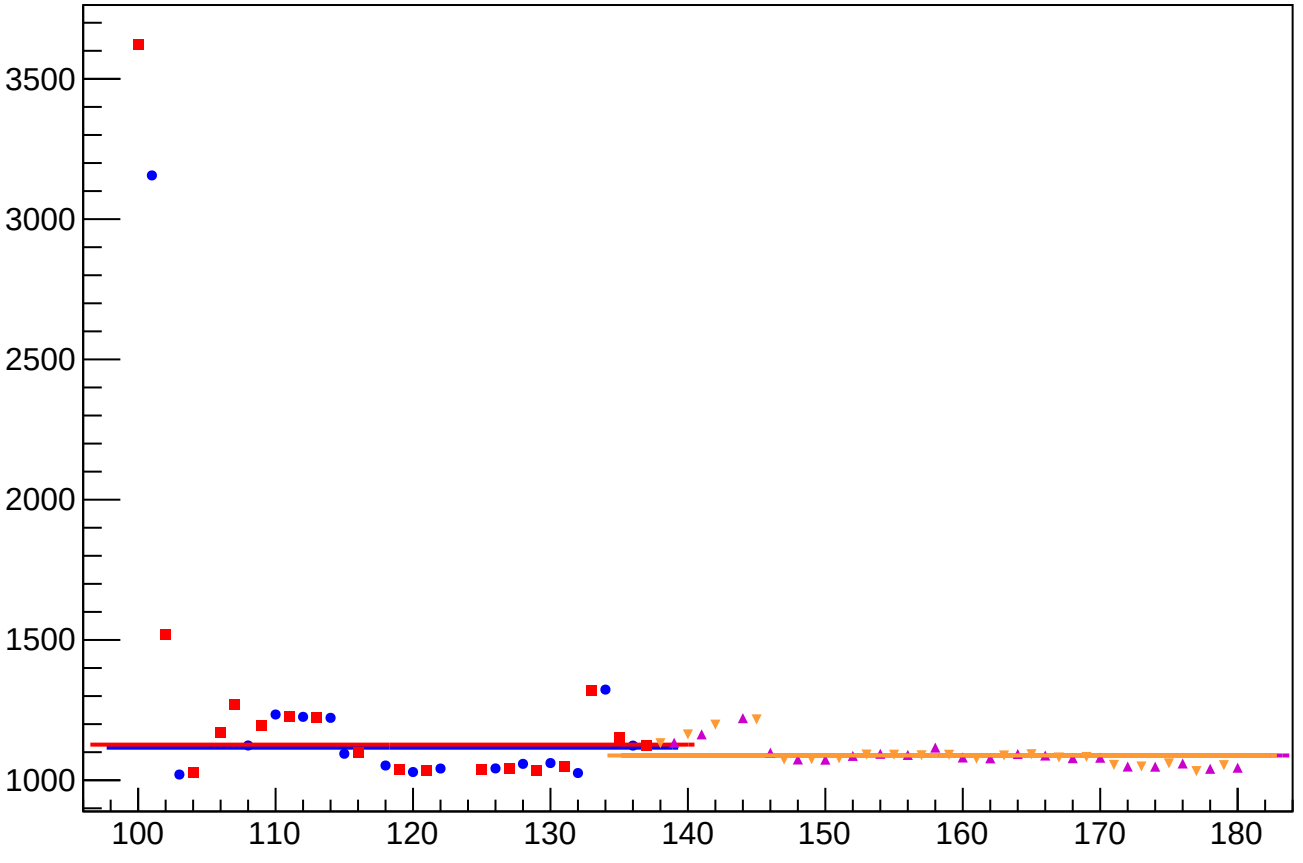
Left In: 57.266+/-262.167 χ^2/NDF:31.4/20

+ sign 235.103+/-225.872 χ^2/NDF: 35.3/36

All: 107.468+/-158.807 χ^2/NDF: 83.9/75

- 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: 1088.340+/-0.189 χ^2/NDF:47390.0/20

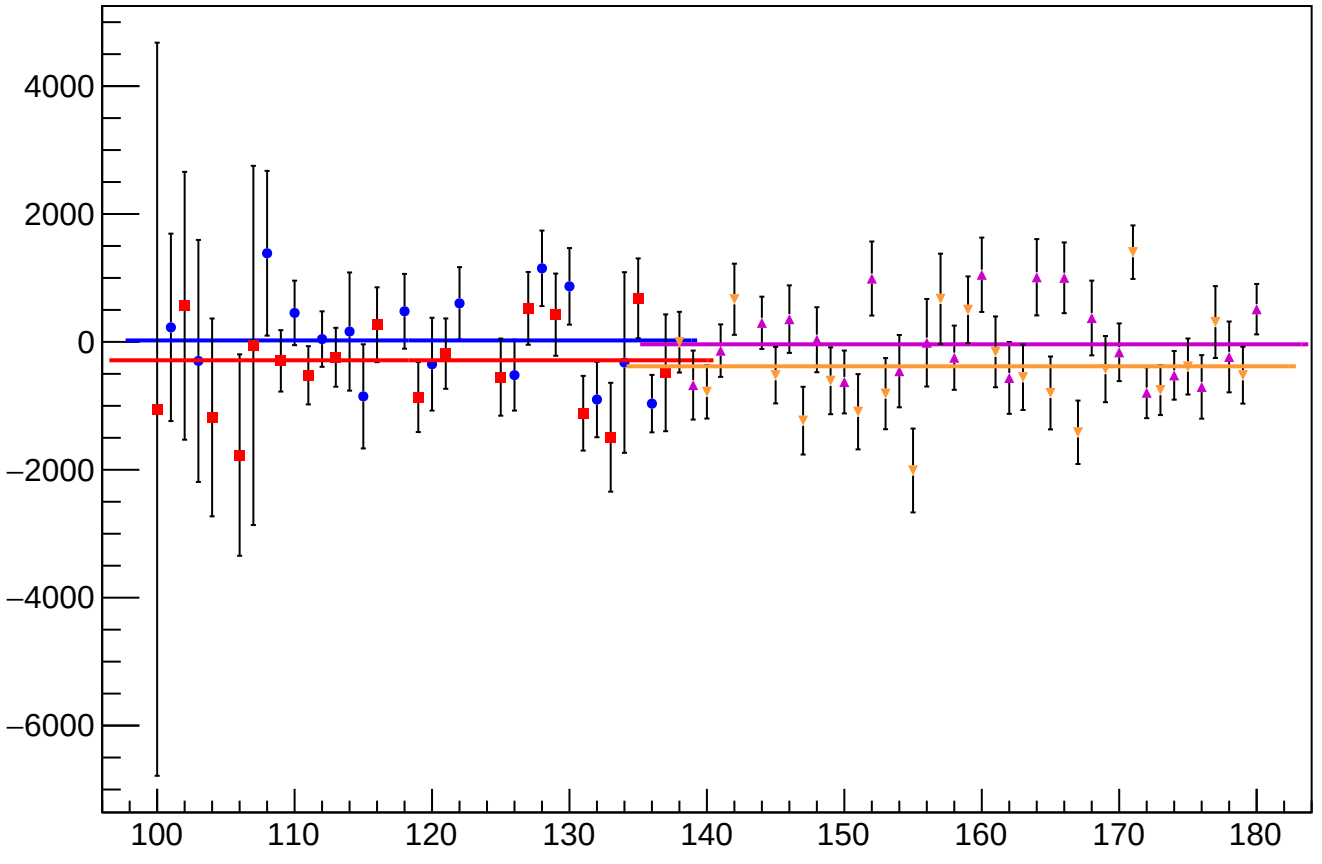
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1088.242+/-0.185 χ^2/NDF:46136.6/20

+ sign 1096.190+/-0.160 χ^2/NDF: 676905.8/36

All: 1097.543+/-0.112 χ^2/NDF: 957893.2/75

- 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: -381.668+/-109.425 χ^2/NDF:47.1/20

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

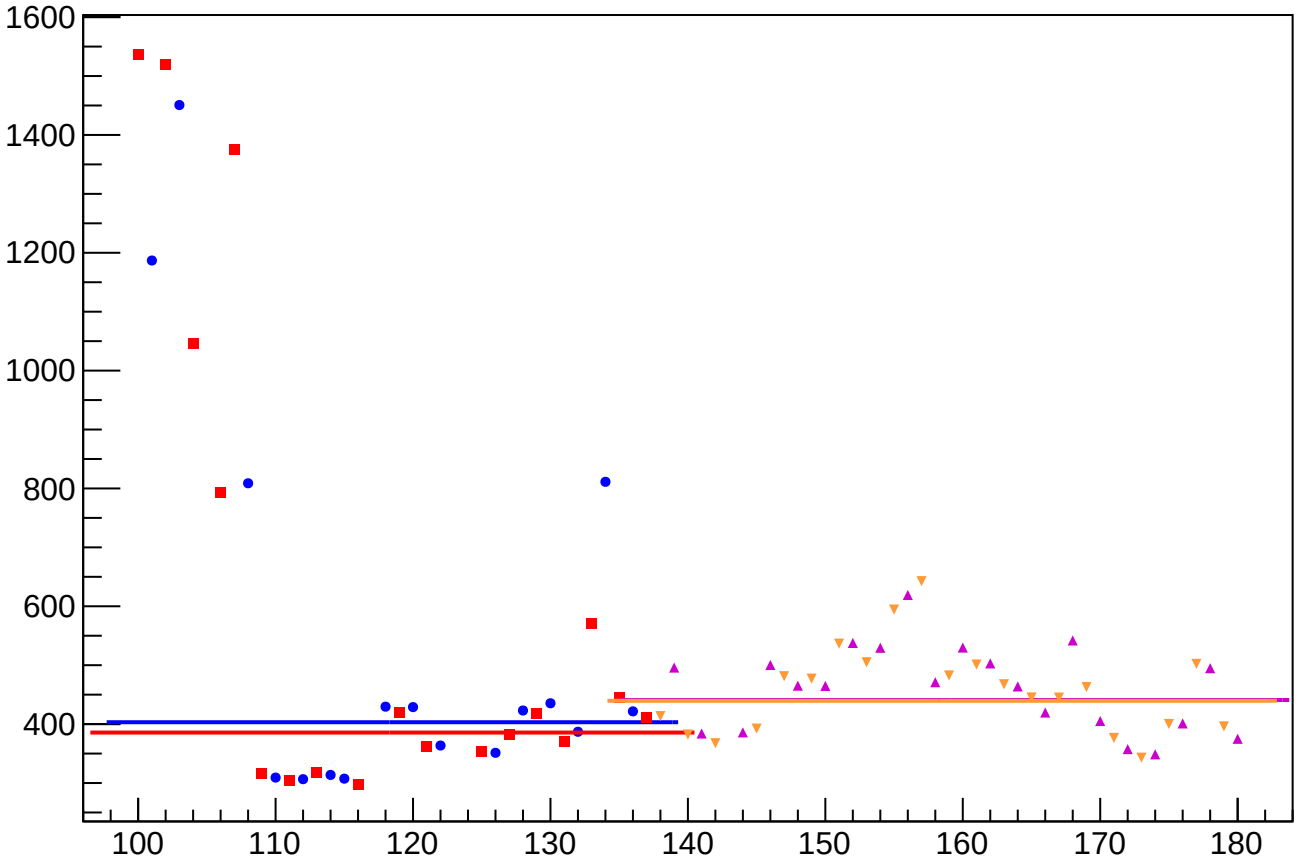
Left In: -37.812+/-107.727 χ^2/NDF:28.7/20

\+ sign -254.086+/-90.543 χ^2/NDF: 70.4/36

All: -184.796+/-63.356 χ^2/NDF: 115.6/75

\- sign -118.323+/-88.684 χ^2/NDF: 44.1/38

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.583+/-0.077 χ^2/NDF:757993.7/20

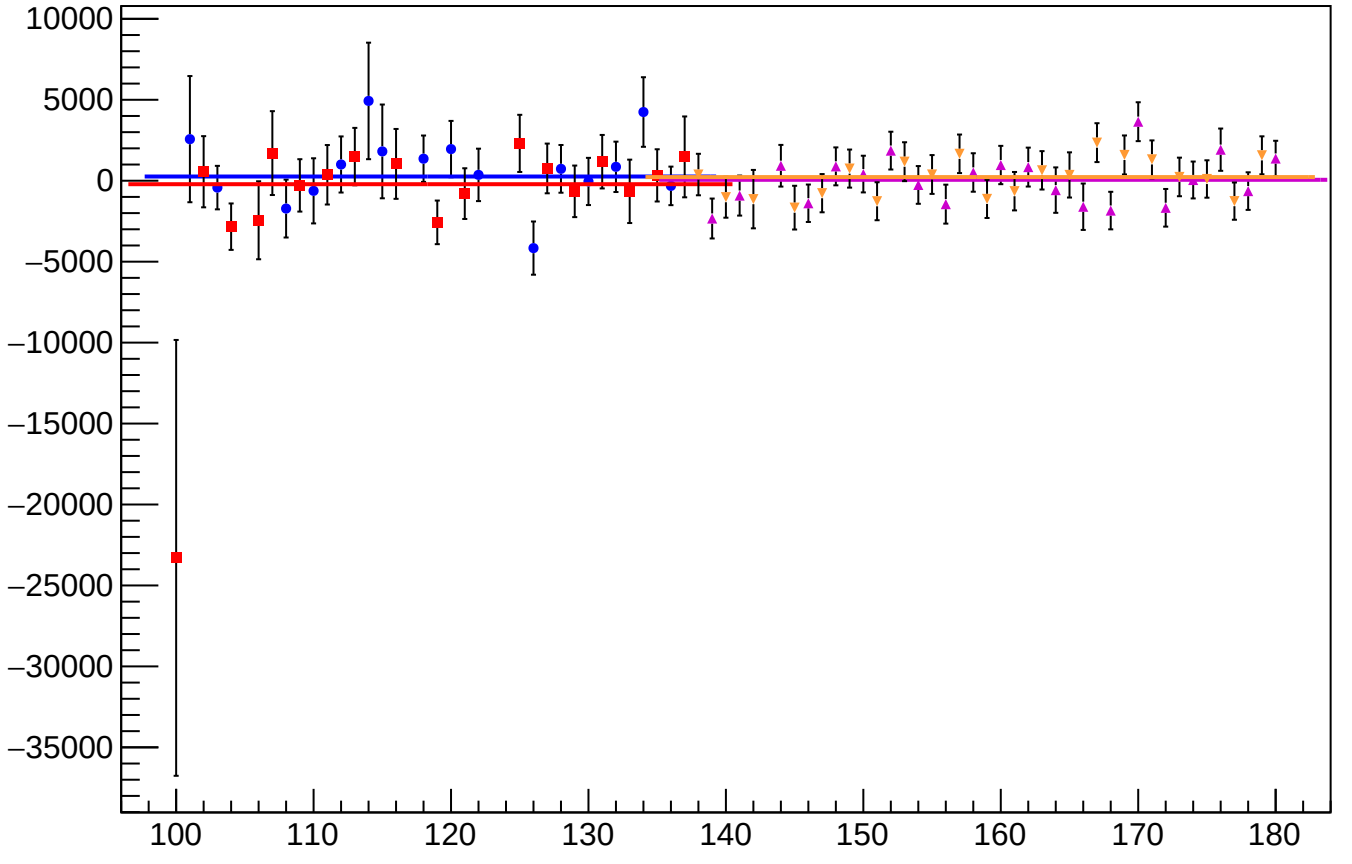
Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 440.904+/-0.076 χ^2/NDF:820473.6/20

+ sign 428.105+/-0.064 χ^2/NDF: 2639896.3/36

All: 425.553+/-0.045 χ^2/NDF: 5380014.4/75

- sign 423.106+/-0.063 χ^2/NDF: 2737006.4/38



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 225.116+/-266.733 χ^2/NDF:18.4/20

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

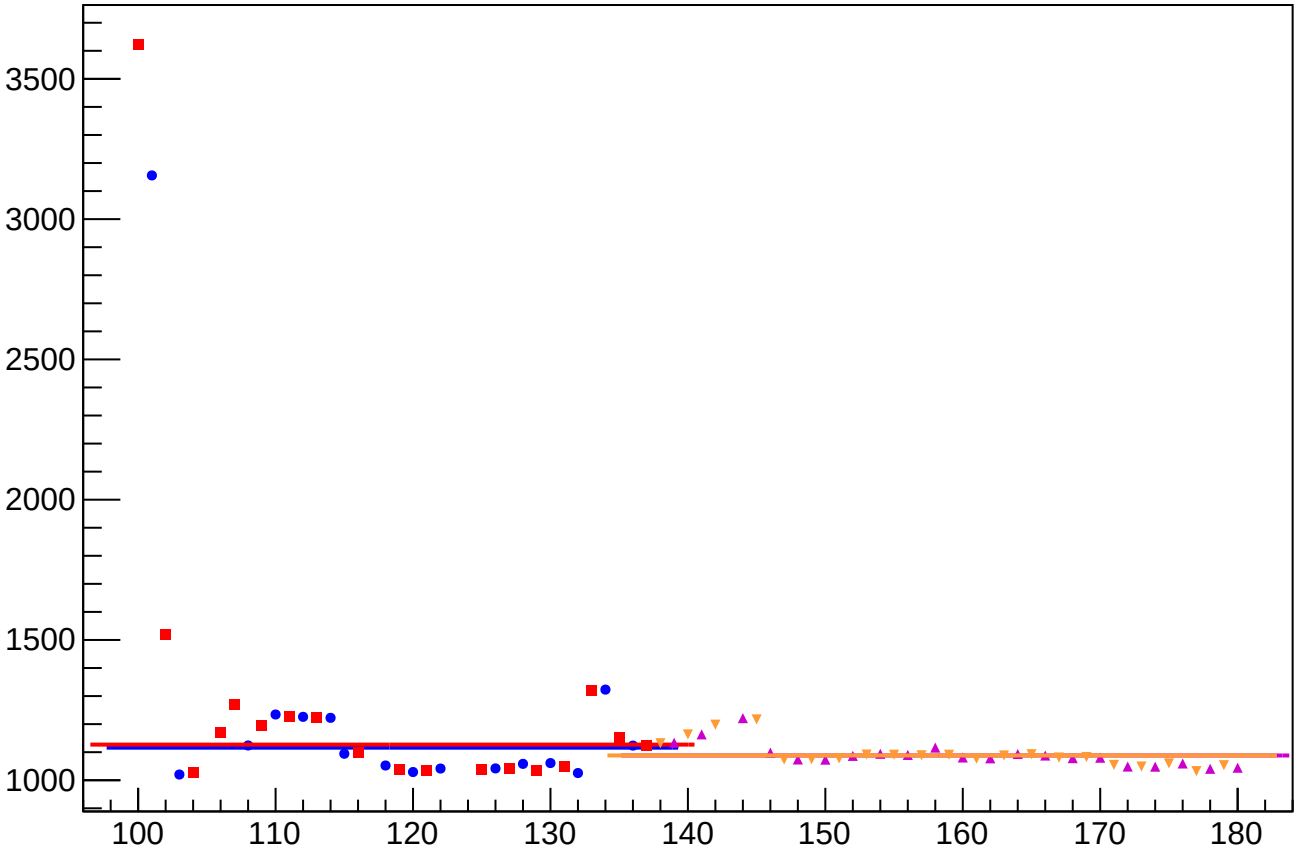
Left In: 57.266+/-262.167 χ^2/NDF:31.4/20

+ sign 235.103+/-225.872 χ^2/NDF: 35.3/36

All: 107.468+/-158.807 χ^2/NDF: 83.9/75

- 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: 1088.340+/-0.189 χ^2/NDF:47390.0/20

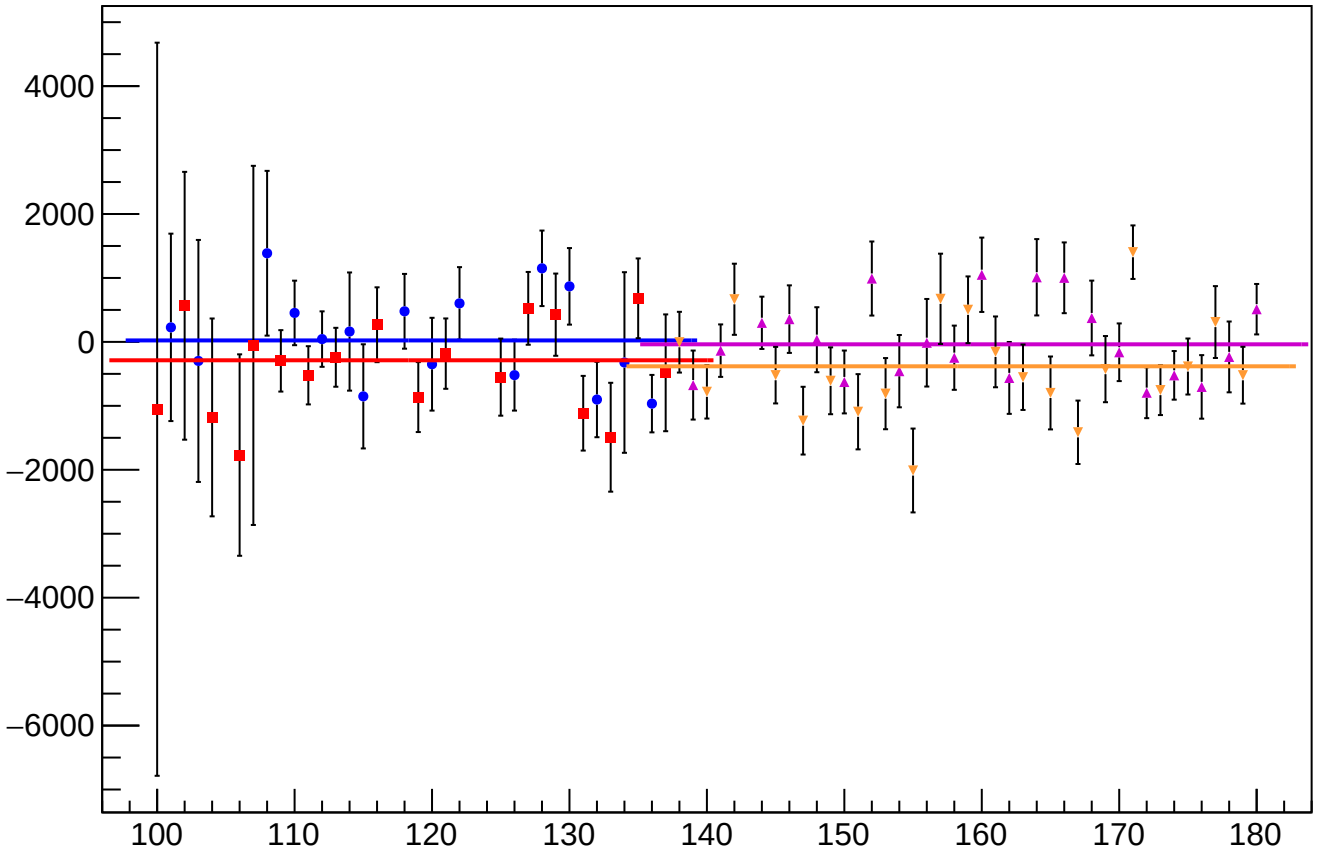
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1088.242+/-0.185 χ^2/NDF:46136.6/20

+ sign 1096.190+/-0.160 χ^2/NDF: 676905.8/36

All: 1097.543+/-0.112 χ^2/NDF: 957893.2/75

- 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: -381.668+/-109.425 χ^2/NDF:47.1/20

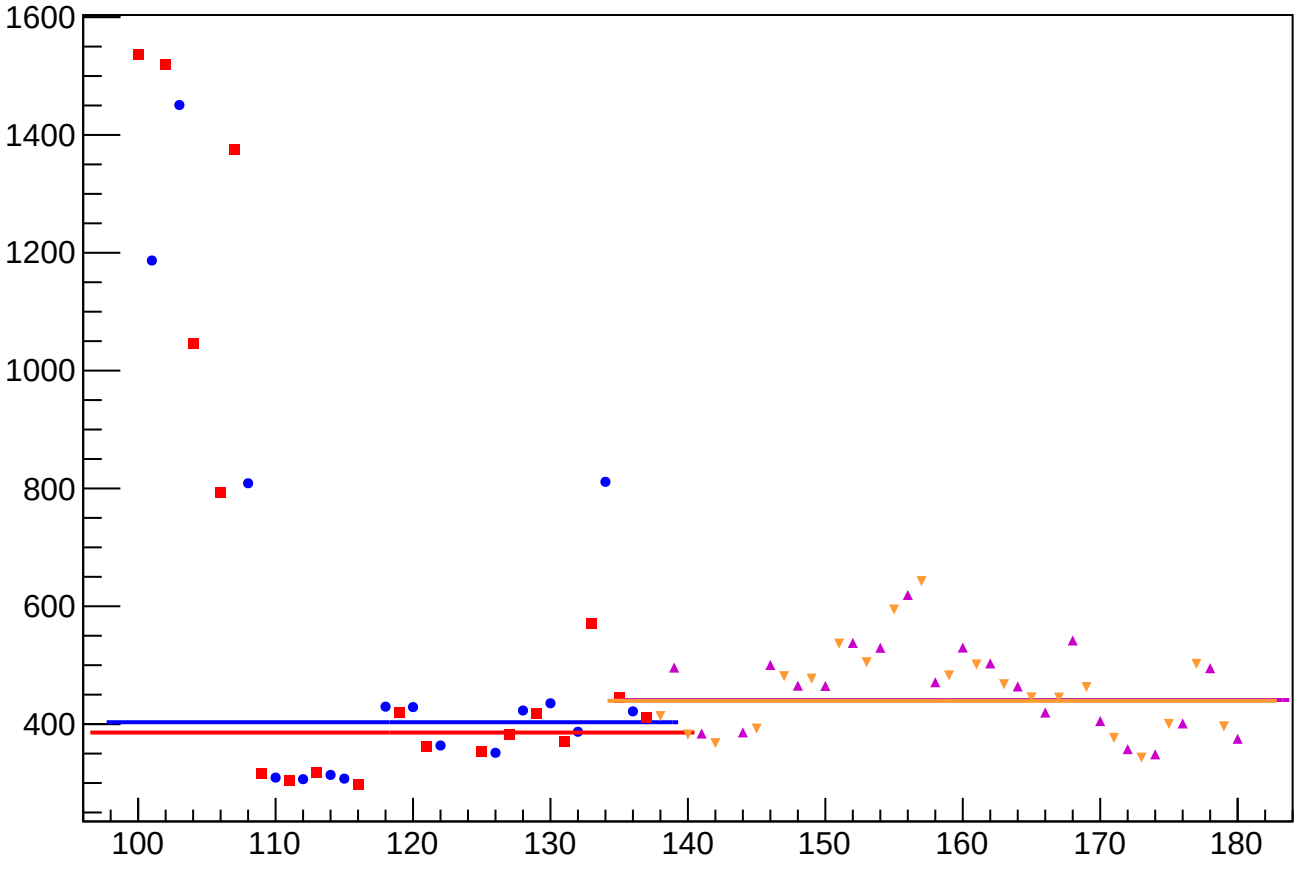
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -37.812+/-107.727 χ^2/NDF:28.7/20

+ sign -254.086+/-90.543 χ^2/NDF: 70.4/36

All: -184.796+/-63.356 χ^2/NDF: 115.6/75

- 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: 439.583+/-0.077 χ^2/NDF:757993.7/20

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

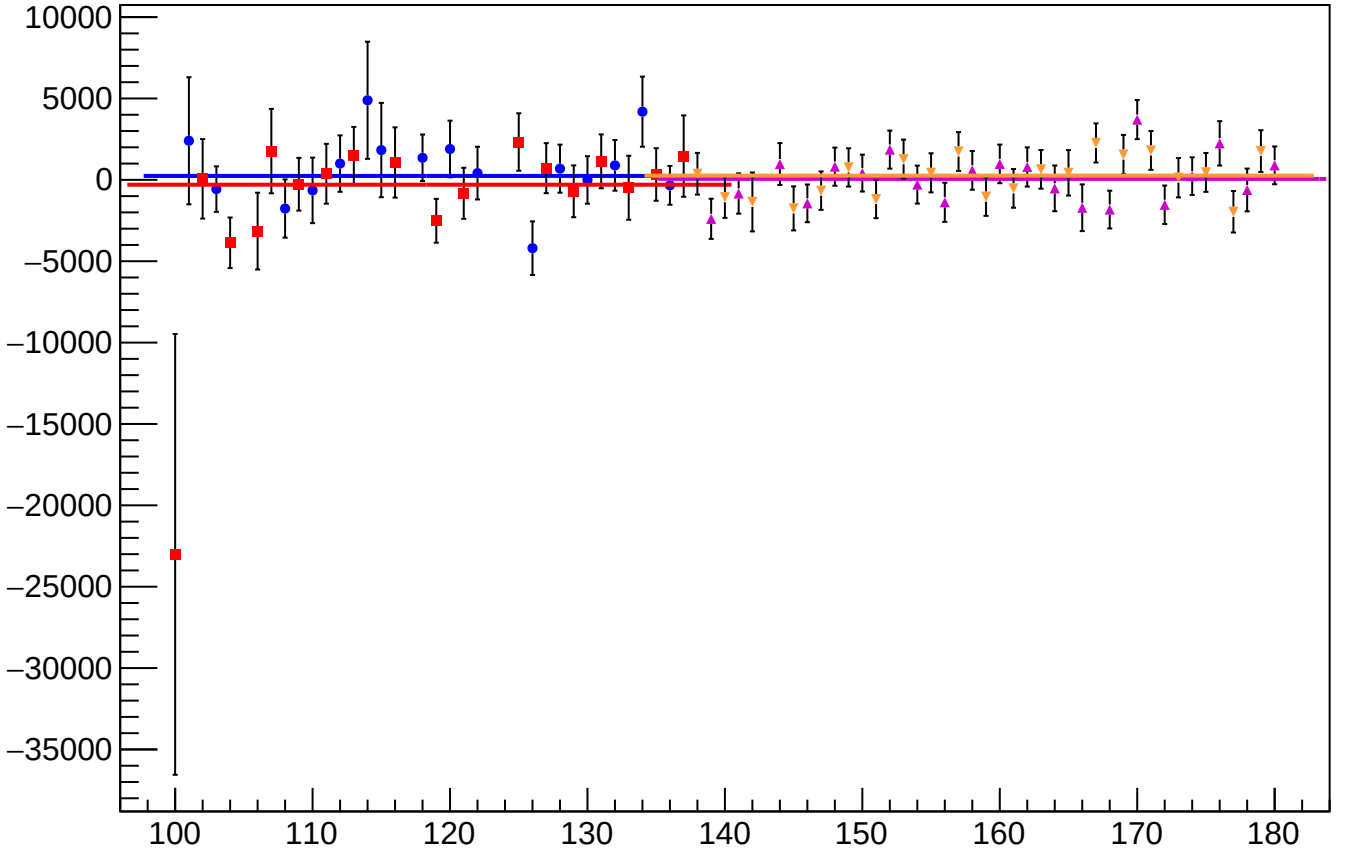
Left In: 440.904+/-0.076 χ^2/NDF:820473.6/20

+ sign 428.105+/-0.064 χ^2/NDF: 2639896.3/36

All: 425.553+/-0.045 χ^2/NDF: 5380014.4/75

- 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: 260.625+/-270.386 χ^2/NDF:20.5/20

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

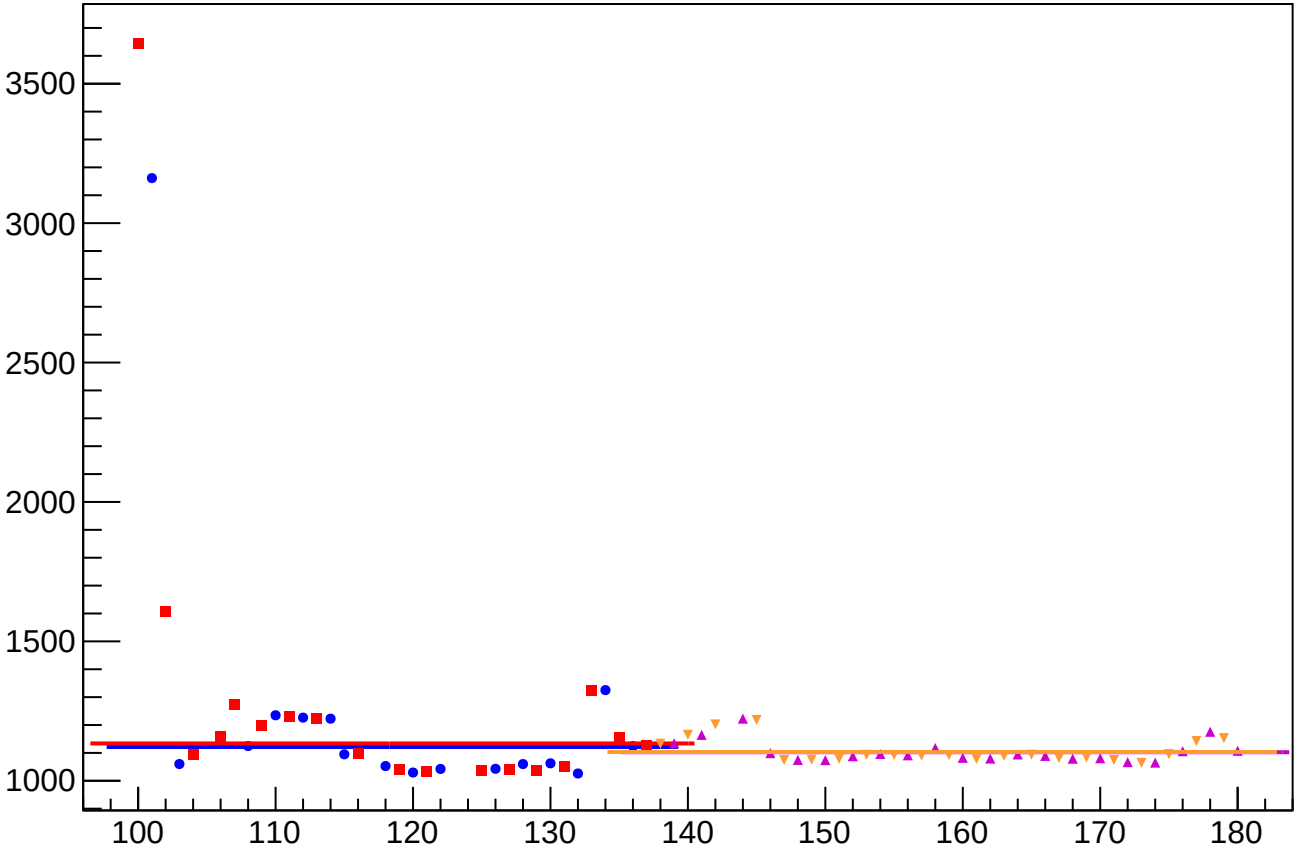
Left In: 59.567+/-265.610 χ^2/NDF:30.9/20

+ sign 254.951+/-228.376 χ^2/NDF: 37.5/36

All: 106.401+/-160.671 χ^2/NDF: 88.5/75

- 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: 1103.285+/-0.191 χ^2/NDF:40698.8/20

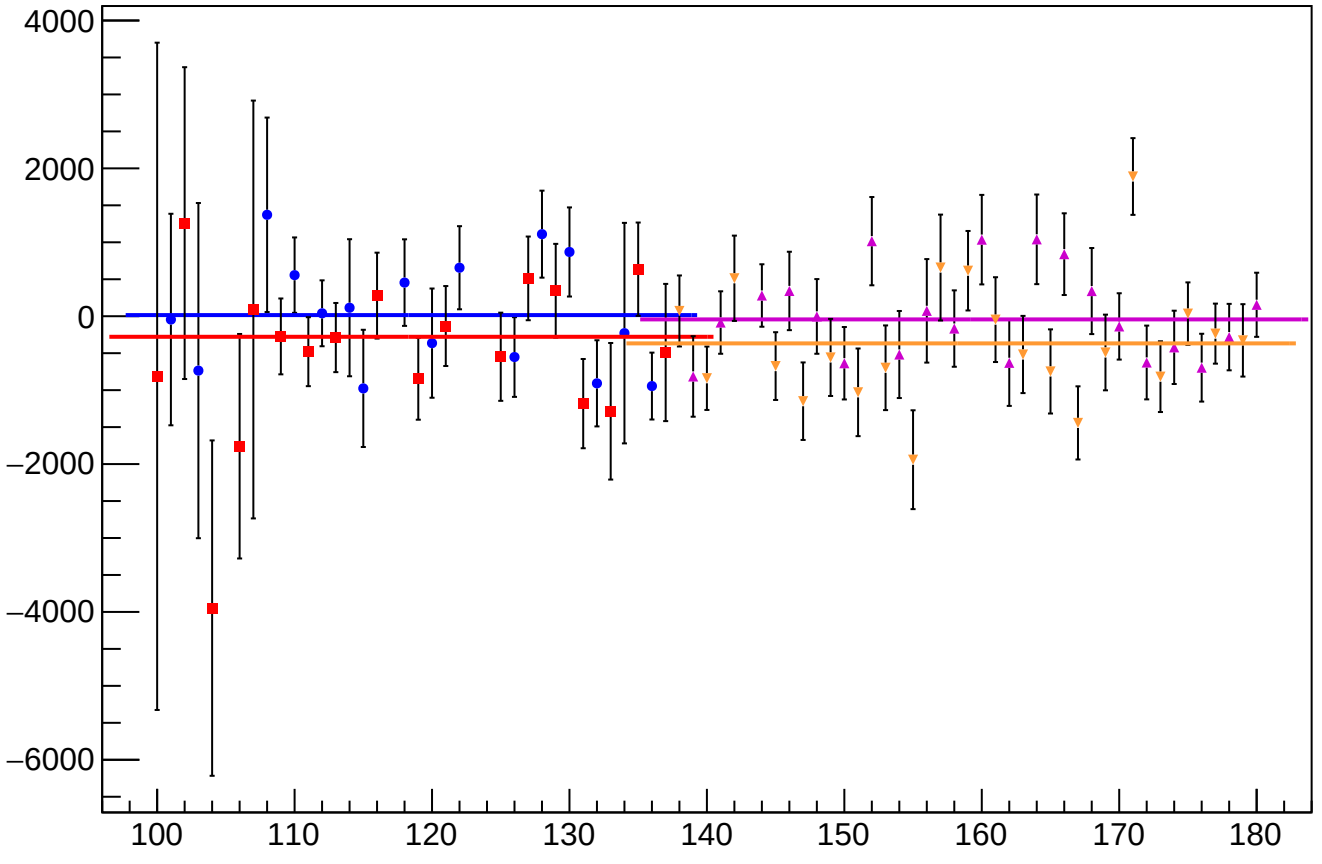
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.551+/-0.188 χ^2/NDF:40237.8/20

+ sign 1108.446+/-0.161 χ^2/NDF: 660270.1/36

All: 1109.834+/-0.114 χ^2/NDF: 935800.3/75

- 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: -367.471+/-111.800 χ^2/NDF:46.1/20

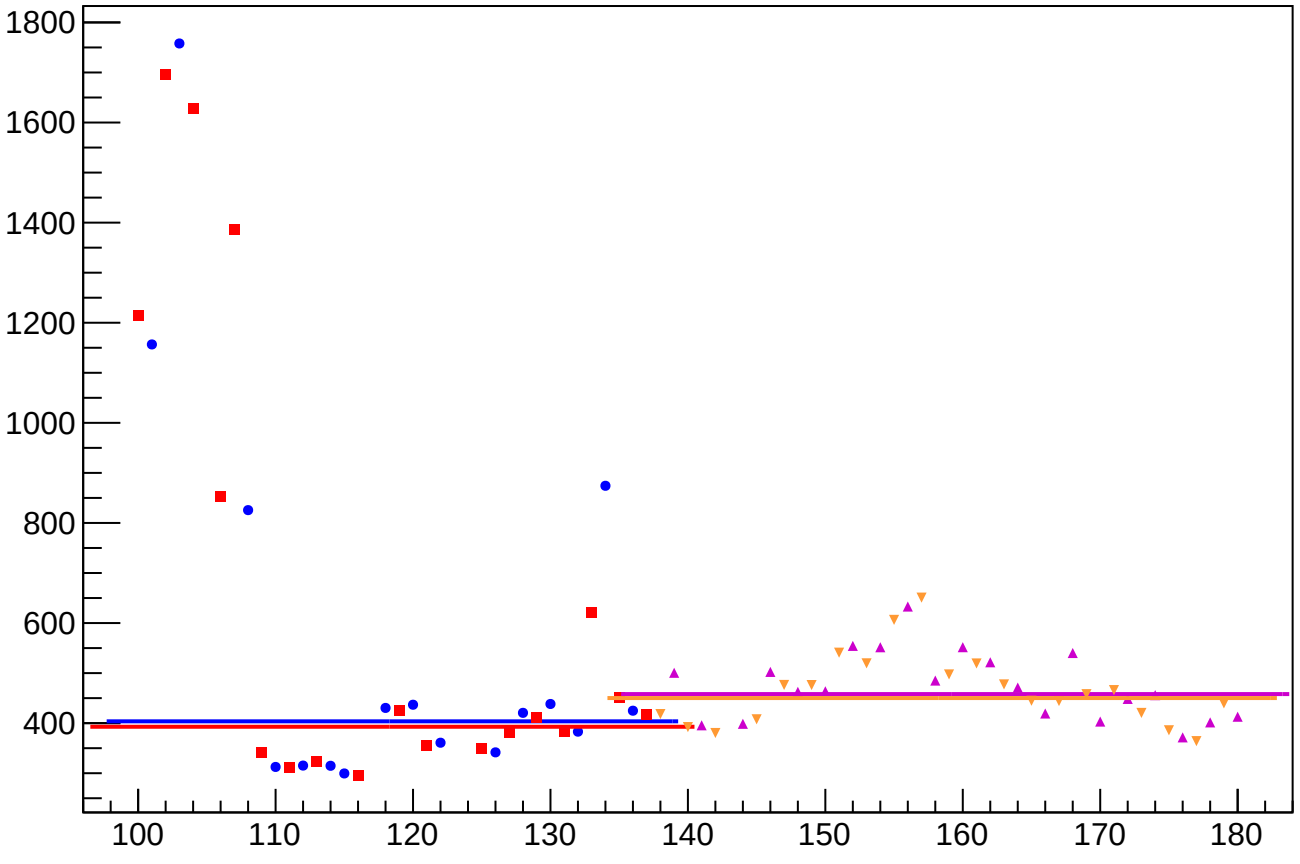
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -43.082+/-111.539 χ^2/NDF:23.4/20

\+ sign -243.826+/-91.987 χ^2/NDF: 69.5/36

All: -181.816+/-64.793 χ^2/NDF: 110.3/75

\- 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: 450.146+/-0.079 χ^2/NDF:641681.1/20

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

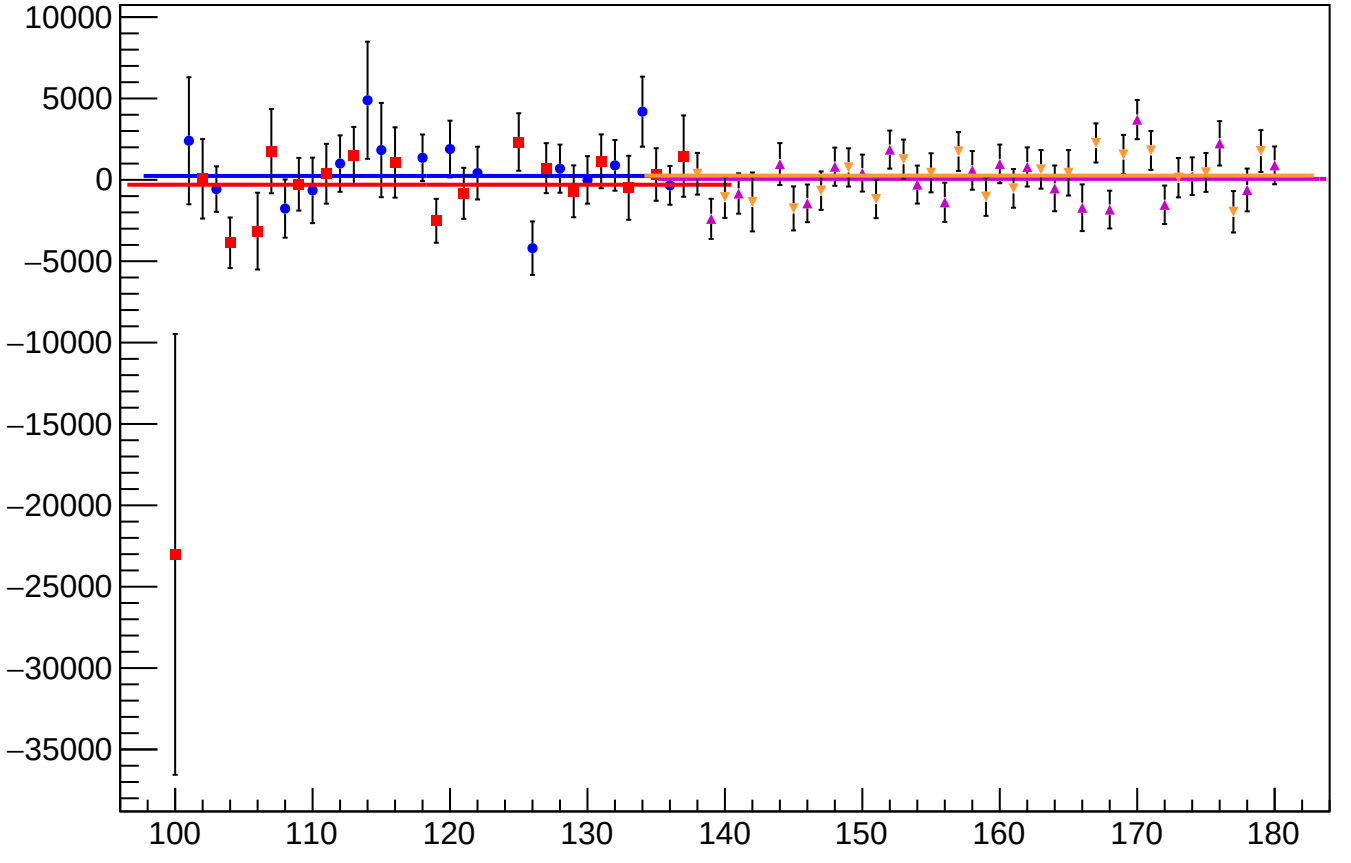
Left In: 458.101+/-0.079 χ^2/NDF:619982.3/20

+ sign 435.128+/-0.065 χ^2/NDF: 2682994.8/36

All: 435.839+/-0.046 χ^2/NDF: 5732947.3/75

- 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: 260.622+/-270.386 χ^2/NDF:20.5/20

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

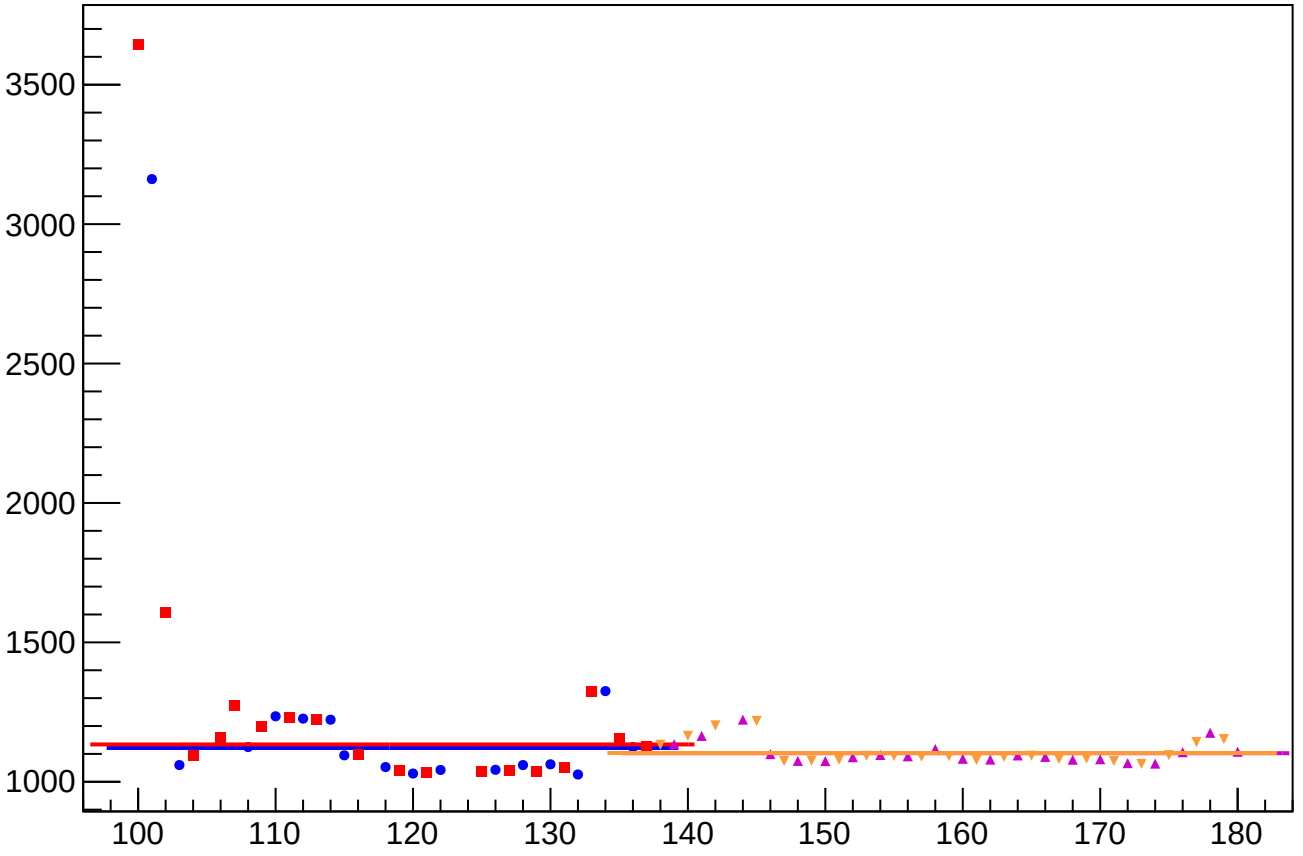
Left In: 59.566+/-265.610 χ^2/NDF:30.9/20

+ sign 254.949+/-228.376 χ^2/NDF: 37.5/36

All: 106.400+/-160.671 χ^2/NDF: 88.5/75

- 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: 1103.285+/-0.191 χ^2/NDF:40699.2/20

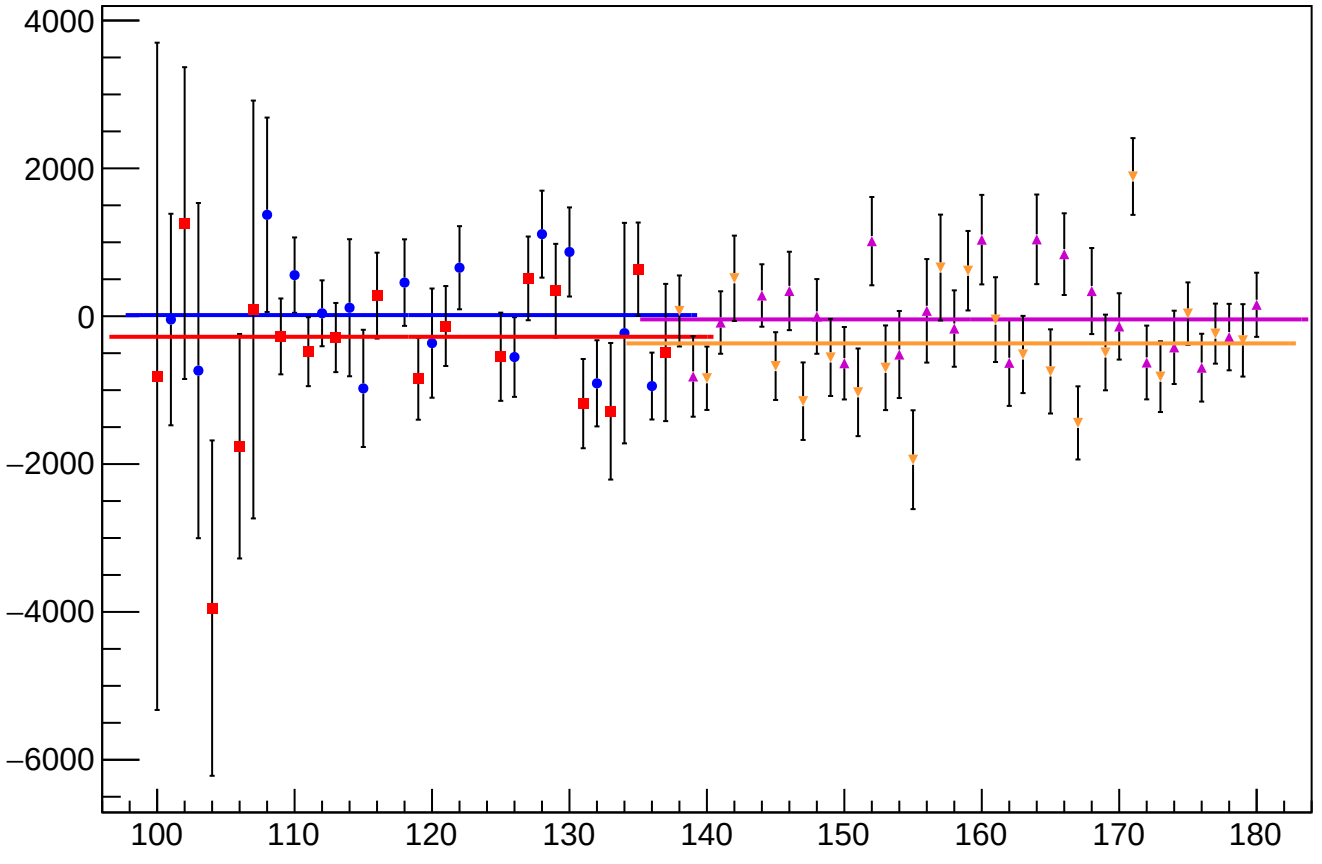
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.550+/-0.188 χ^2/NDF:40238.0/20

+ sign 1108.446+/-0.161 χ^2/NDF: 660270.5/36

All: 1109.834+/-0.114 χ^2/NDF: 935801.0/75

- 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: -367.473+/-111.800 χ^2/NDF:46.1/20

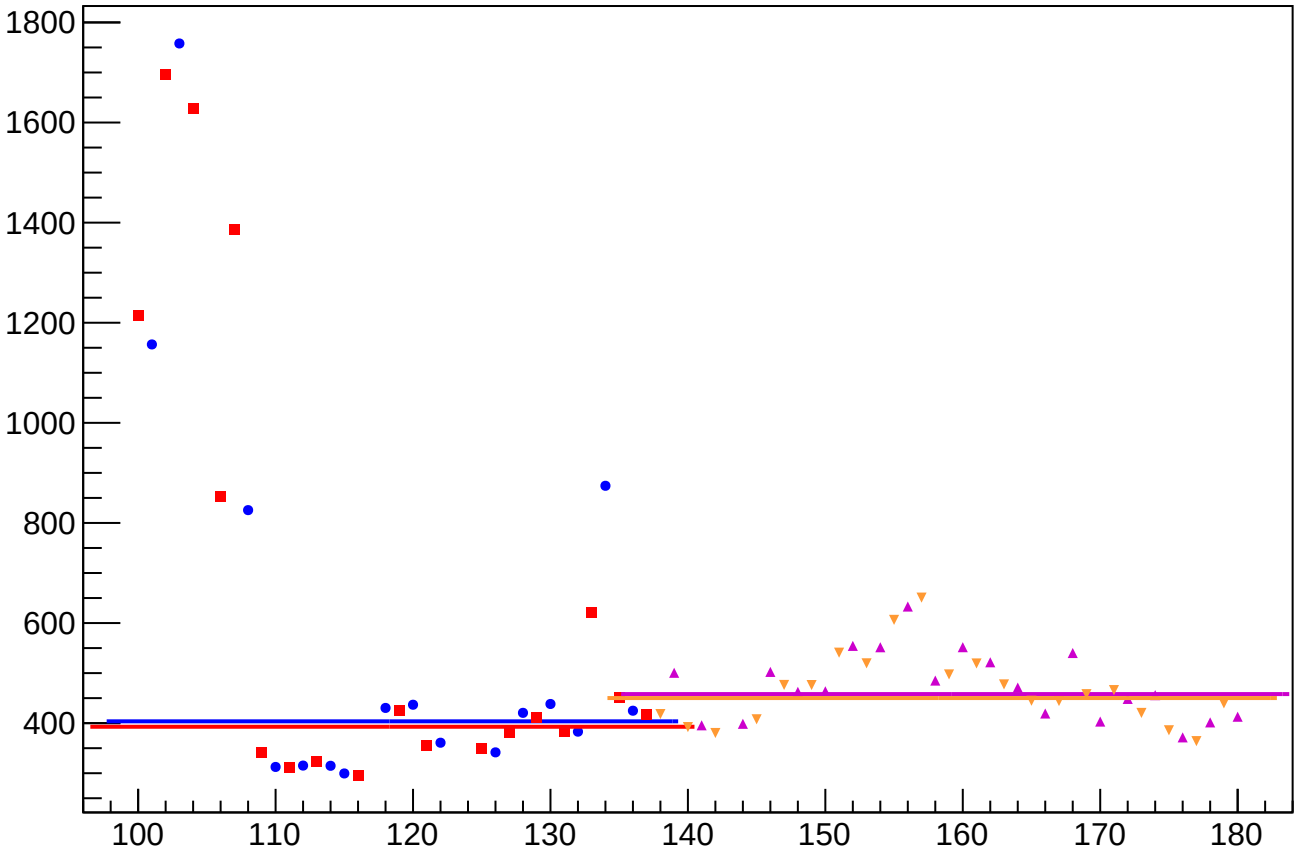
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -43.083+/-111.539 χ^2/NDF:23.4/20

\+ sign -243.827+/-91.987 χ^2/NDF: 69.5/36

All: -181.816+/-64.793 χ^2/NDF: 110.3/75

\- 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: 450.146+/-0.079 χ^2/NDF:641700.5/20

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

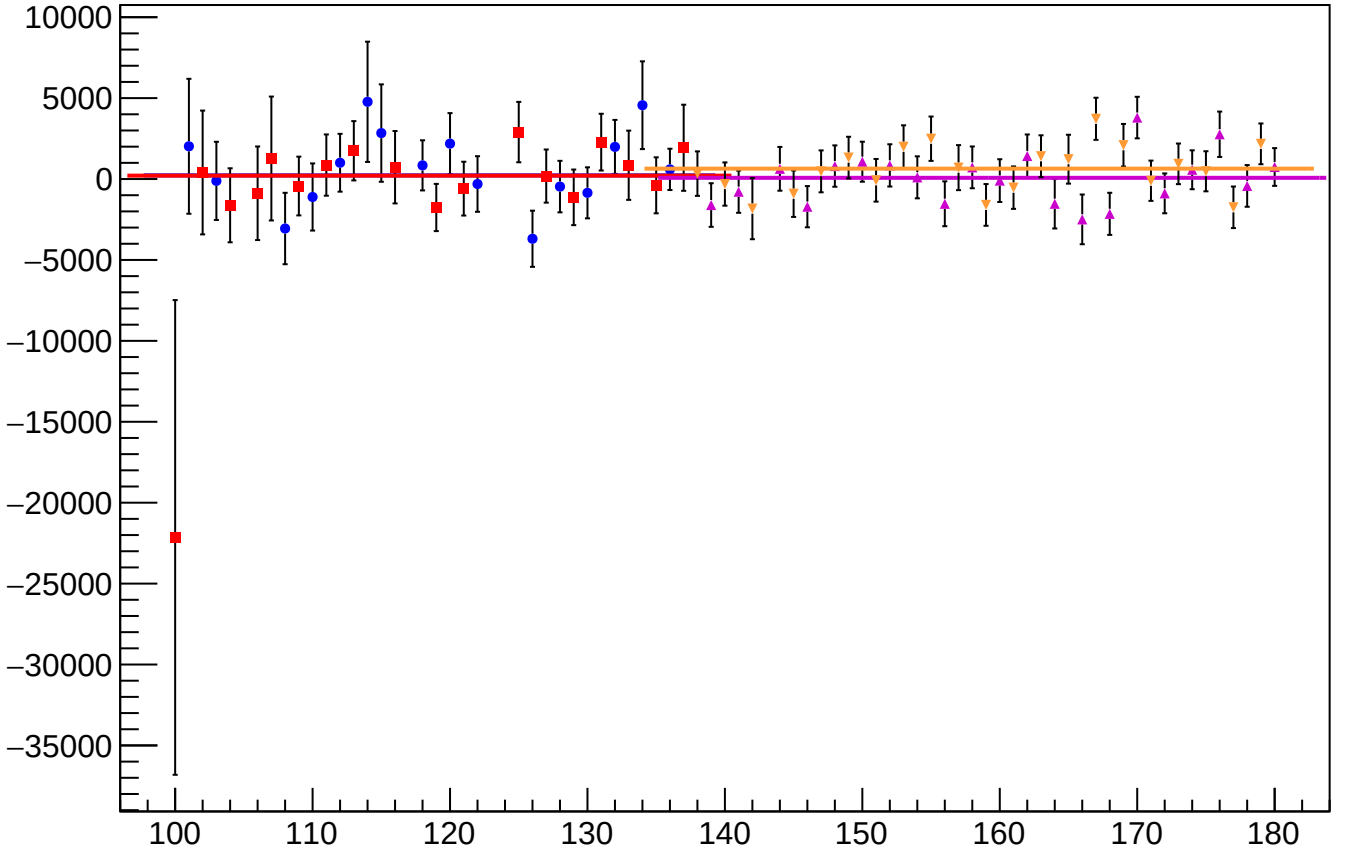
Left In: 458.102+/-0.079 χ^2/NDF:619994.2/20

+ sign 435.127+/-0.065 χ^2/NDF: 2683026.3/36

All: 435.838+/-0.046 χ^2/NDF: 5733023.7/75

- 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: 642.073+/-291.032 χ^2/NDF:23.4/20

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

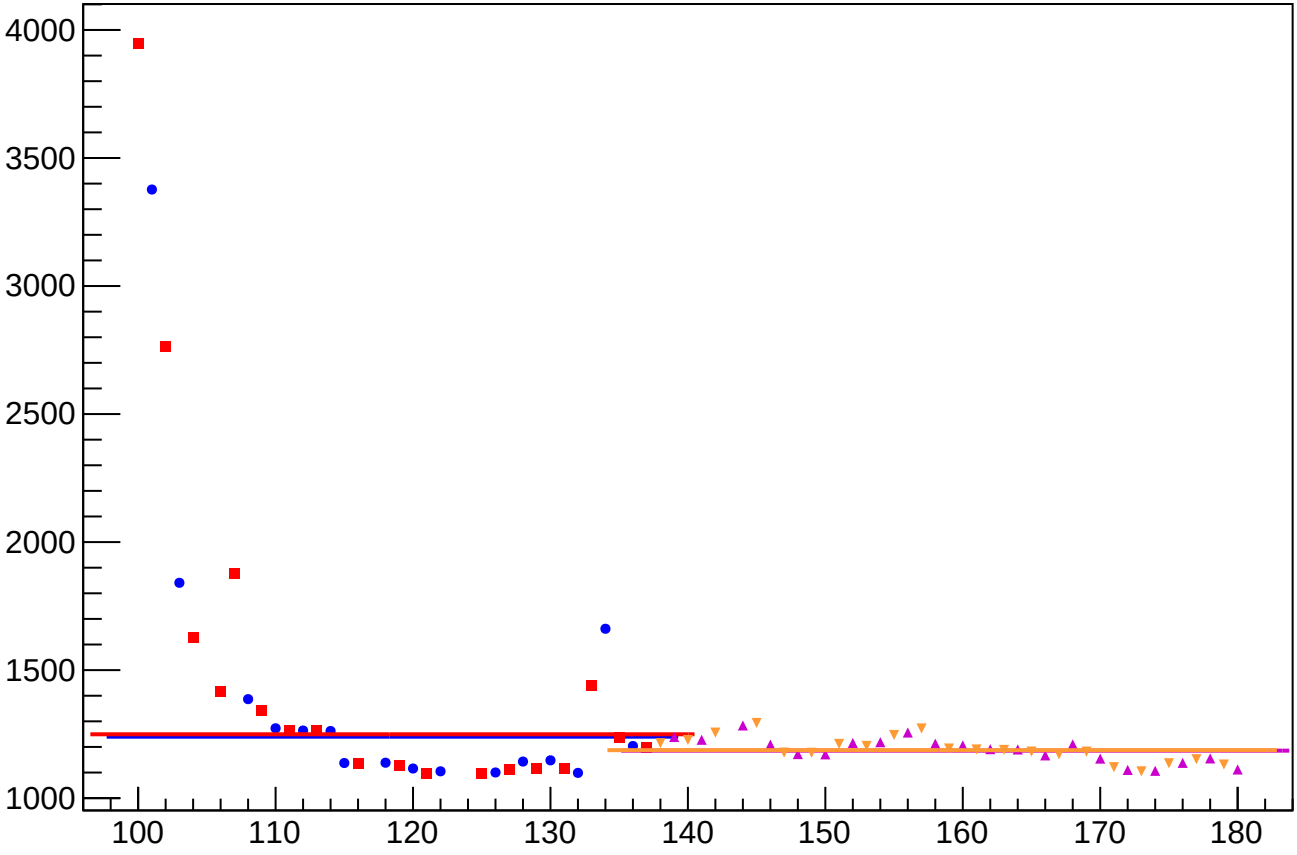
Left In: 74.702+/-285.642 χ^2/NDF:28.3/20

+ sign 528.033+/-248.094 χ^2/NDF: 40.1/36

All: 316.672+/-174.387 χ^2/NDF: 80.8/75

- 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: 1187.361+/-0.206 χ^2/NDF:52286.6/20

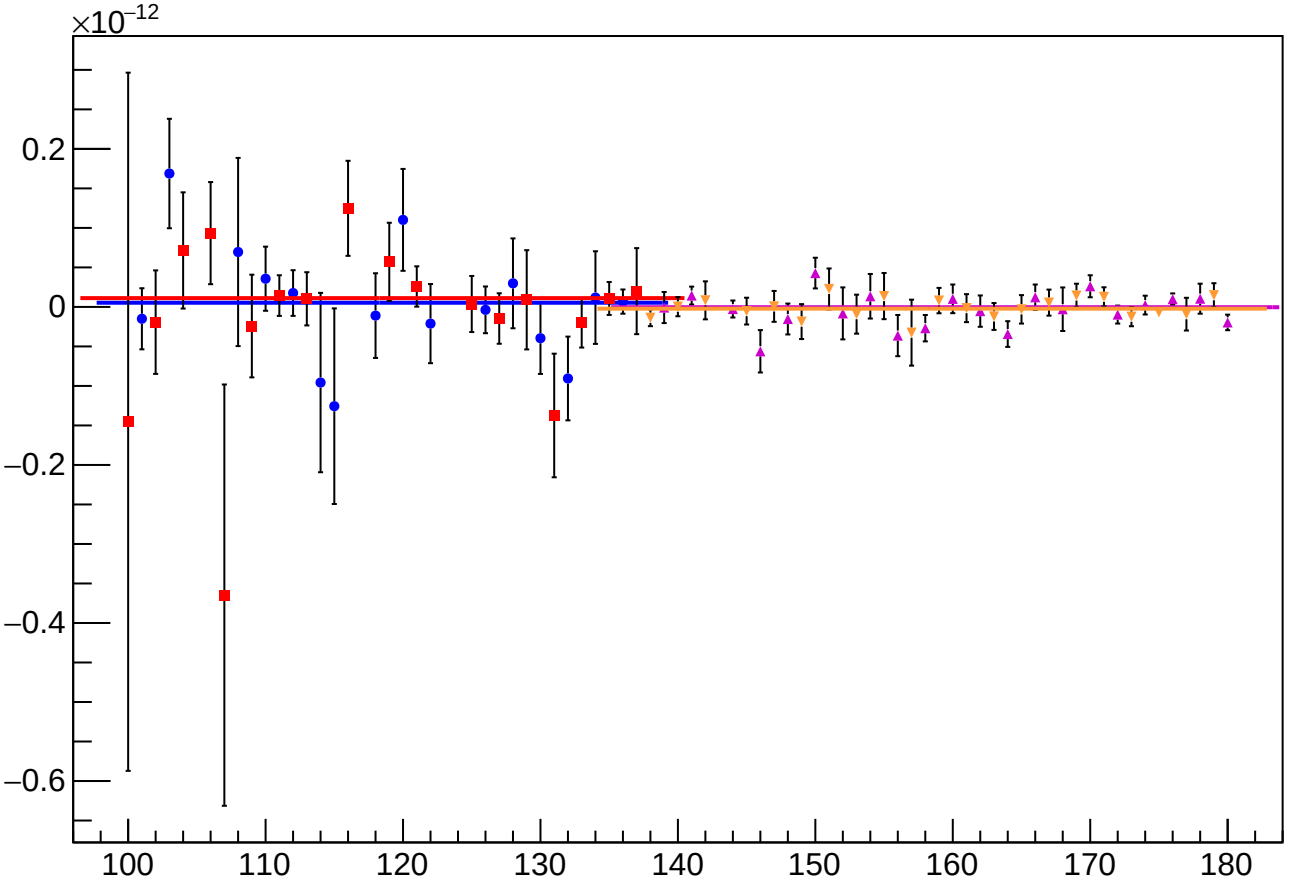
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1185.476+/-0.202 χ^2/NDF:55585.4/20

+ sign 1201.786+/-0.175 χ^2/NDF: 852943.2/36

All: 1202.050+/-0.123 χ^2/NDF: 1541012.7/75

- 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:10.2/20

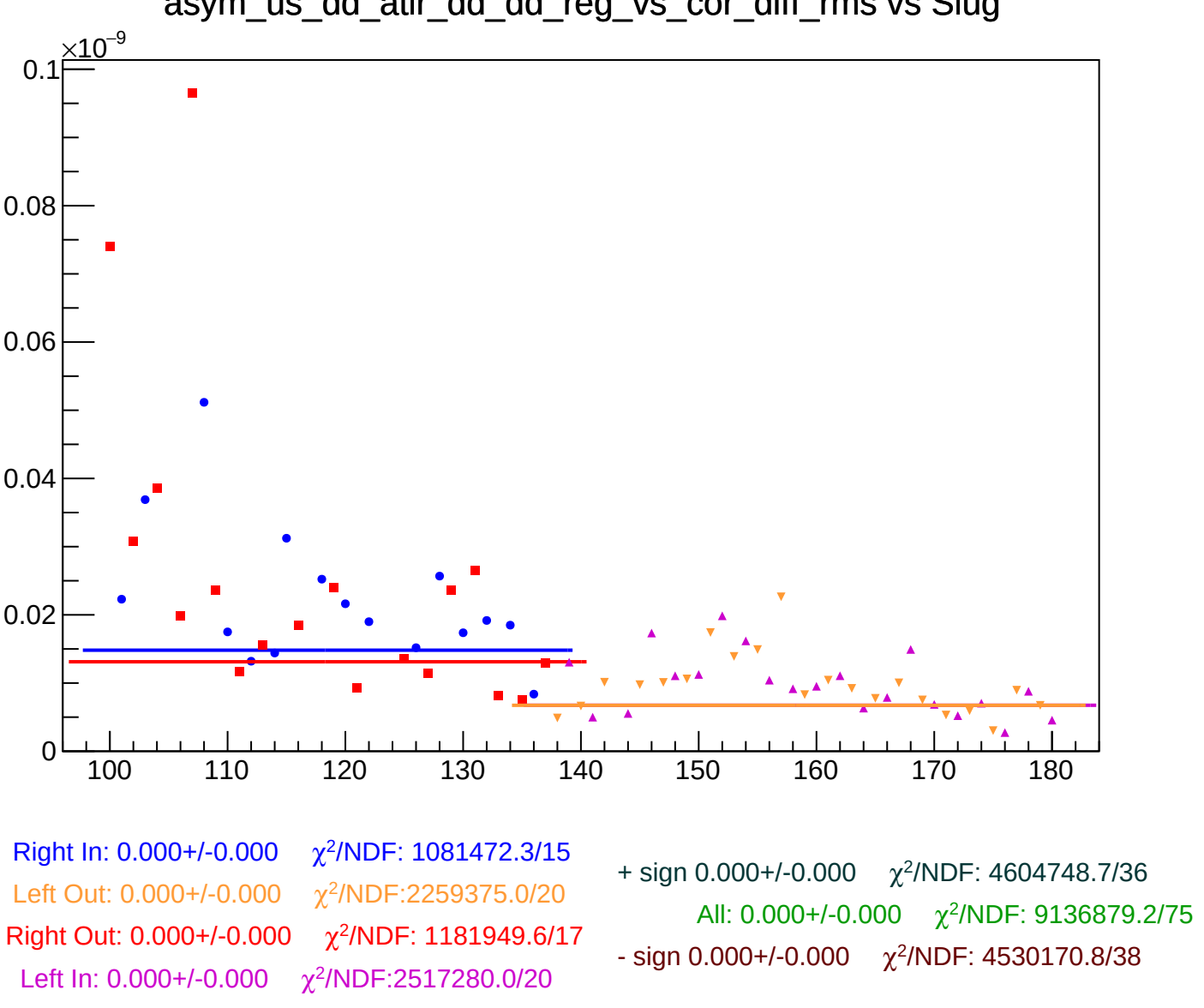
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

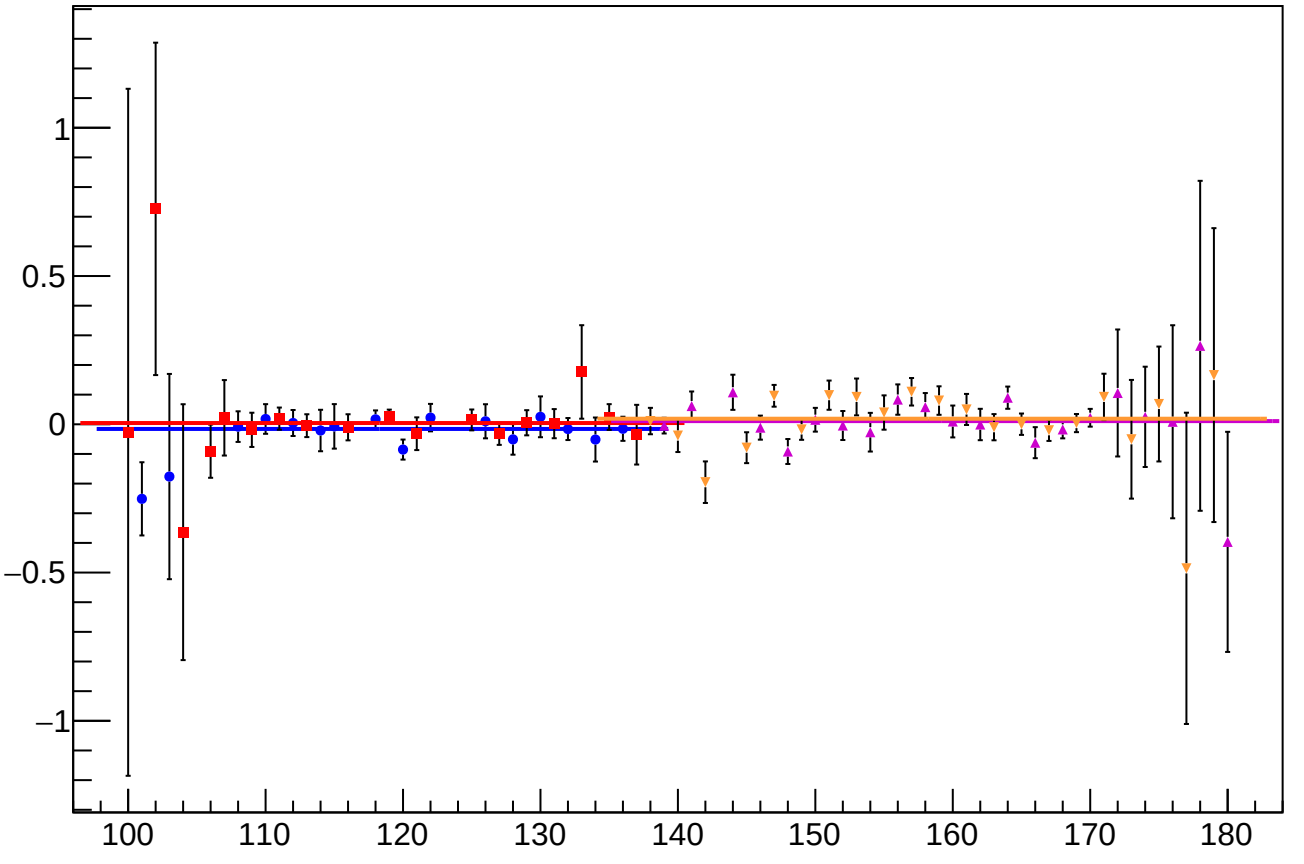
Left In: -0.000+/-0.000 χ^2/NDF:32.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/36

All: -0.000+/-0.000 χ^2/NDF: 75.9/75

- 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:2259375.0/20
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: 4604748.7/36
All: 0.000+/-0.000 χ²/NDF: 9136879.2/75
- 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:33.5/20

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

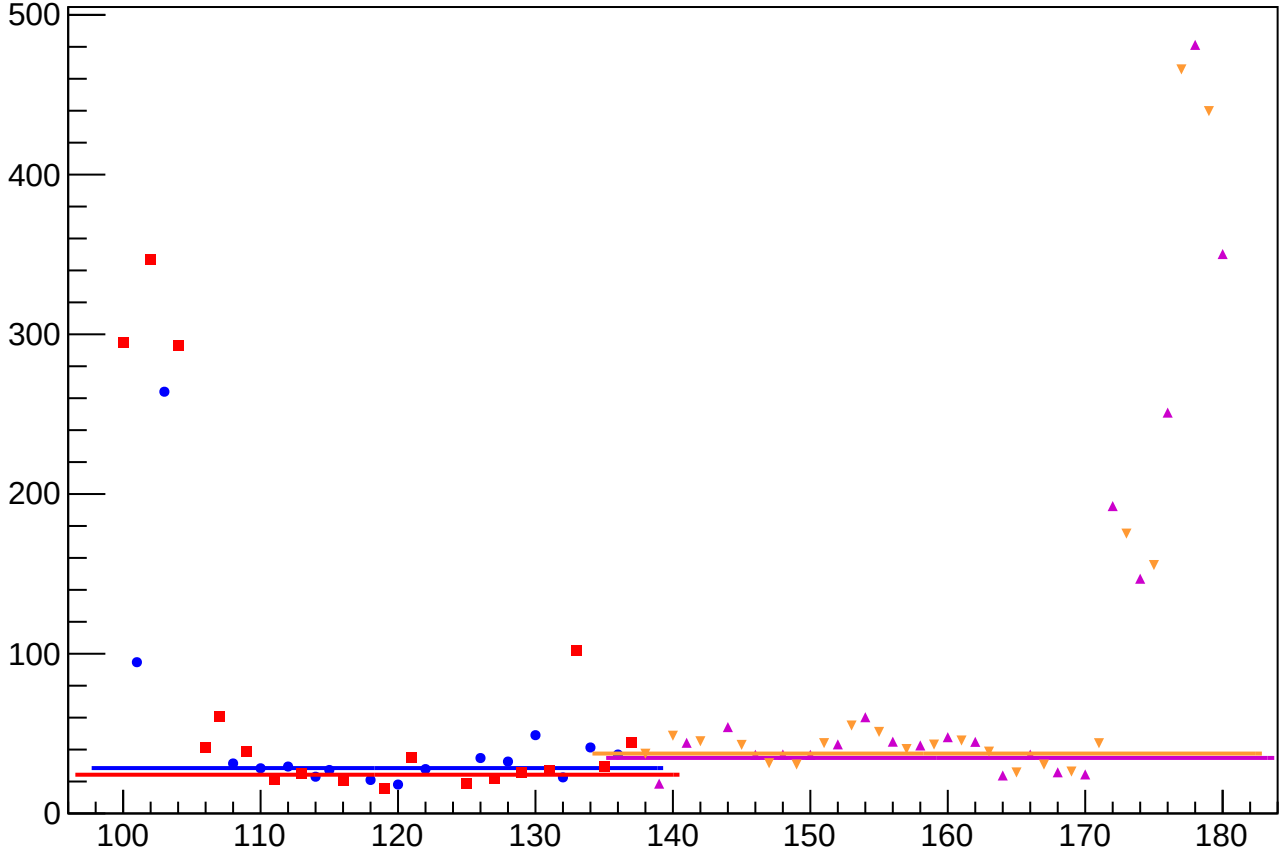
Left In: 0.011+/-0.010 χ^2/NDF:22.8/20

+ sign 0.004+/-0.008 χ^2/NDF: 49.9/36

All: 0.006+/-0.006 χ^2/NDF: 80.8/75

- sign 0.008+/-0.008 χ^2/NDF: 30.9/38

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.502+/-0.008 χ^2/NDF:5559904.1/20

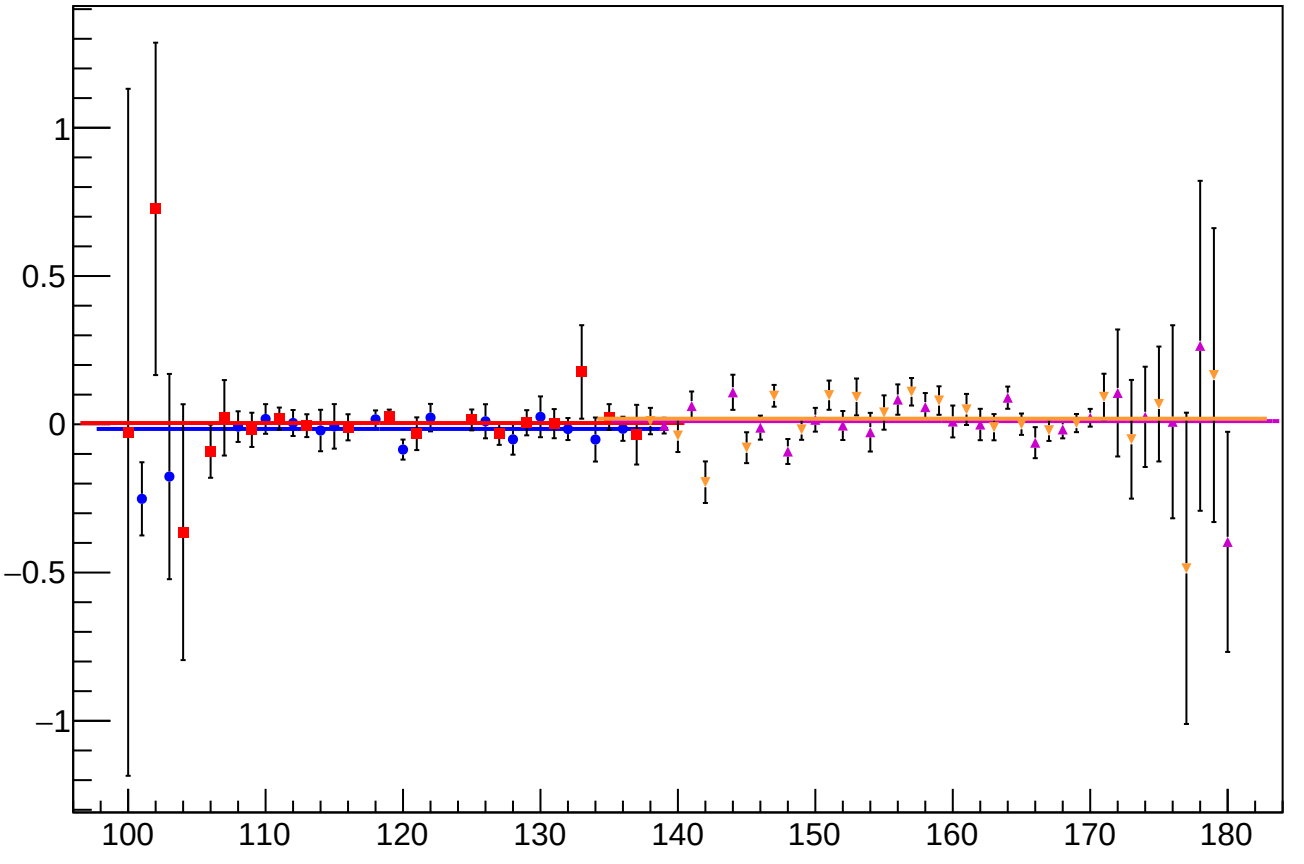
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.763+/-0.007 χ^2/NDF:7901262.8/20

+ sign 33.537+/-0.006 χ^2/NDF: 8420840.7/36

All: 31.697+/-0.004 χ^2/NDF: 20362676.9/75

- 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:33.5/20

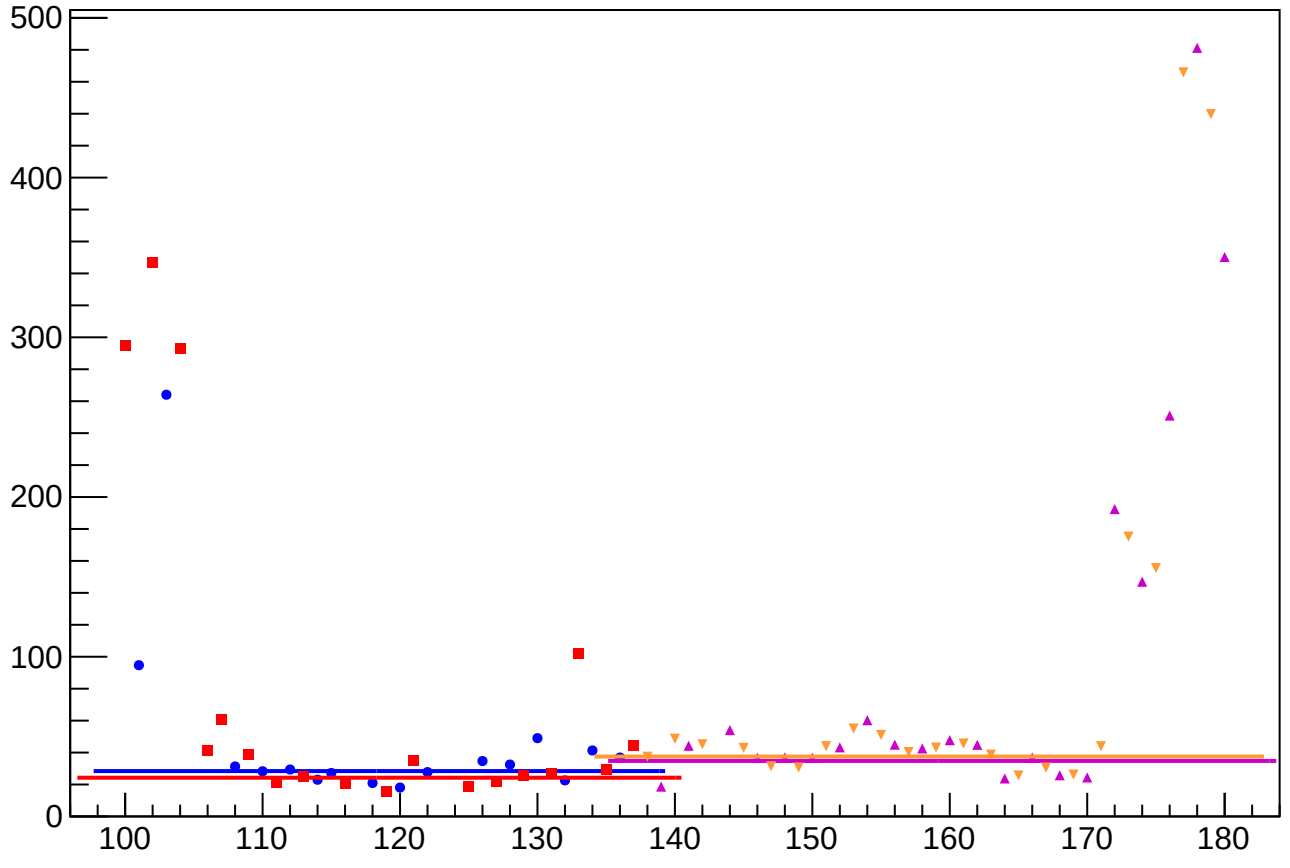
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:22.8/20

+ sign 0.004+/-0.008 χ^2/NDF: 49.9/36

All: 0.006+/-0.006 χ^2/NDF: 80.8/75

- 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: 37.502+/-0.008 χ^2/NDF:5559904.1/20

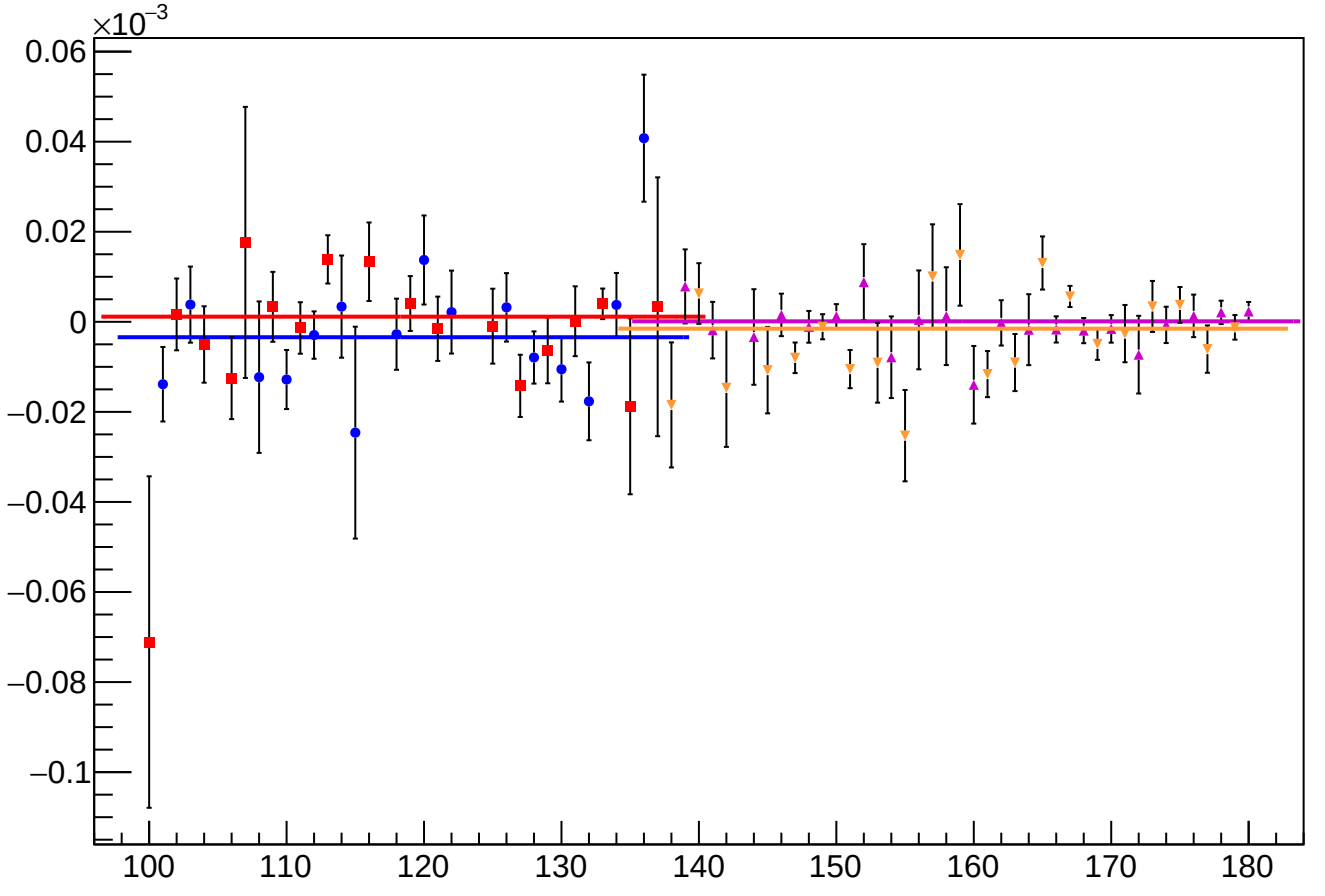
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.763+/-0.007 χ^2/NDF:7901262.8/20

+ sign 33.537+/-0.006 χ^2/NDF: 8420840.7/36

All: 31.697+/-0.004 χ^2/NDF: 20362676.9/75

- 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:47.1/20

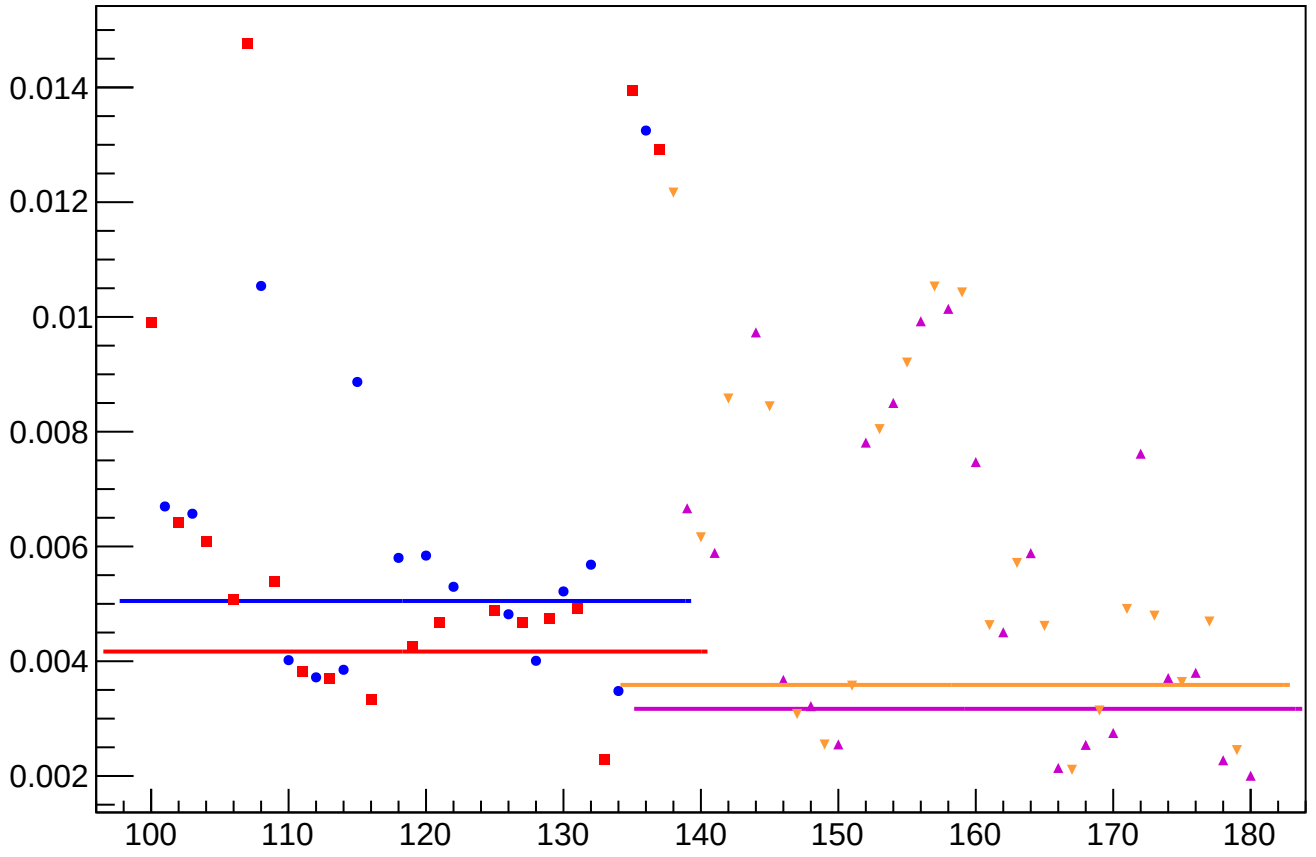
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:9.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 73.0/36

All: -0.000+/-0.000 χ^2/NDF: 109.5/75

- 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: 0.004+/-0.000 χ^2/NDF:6558505.4/20

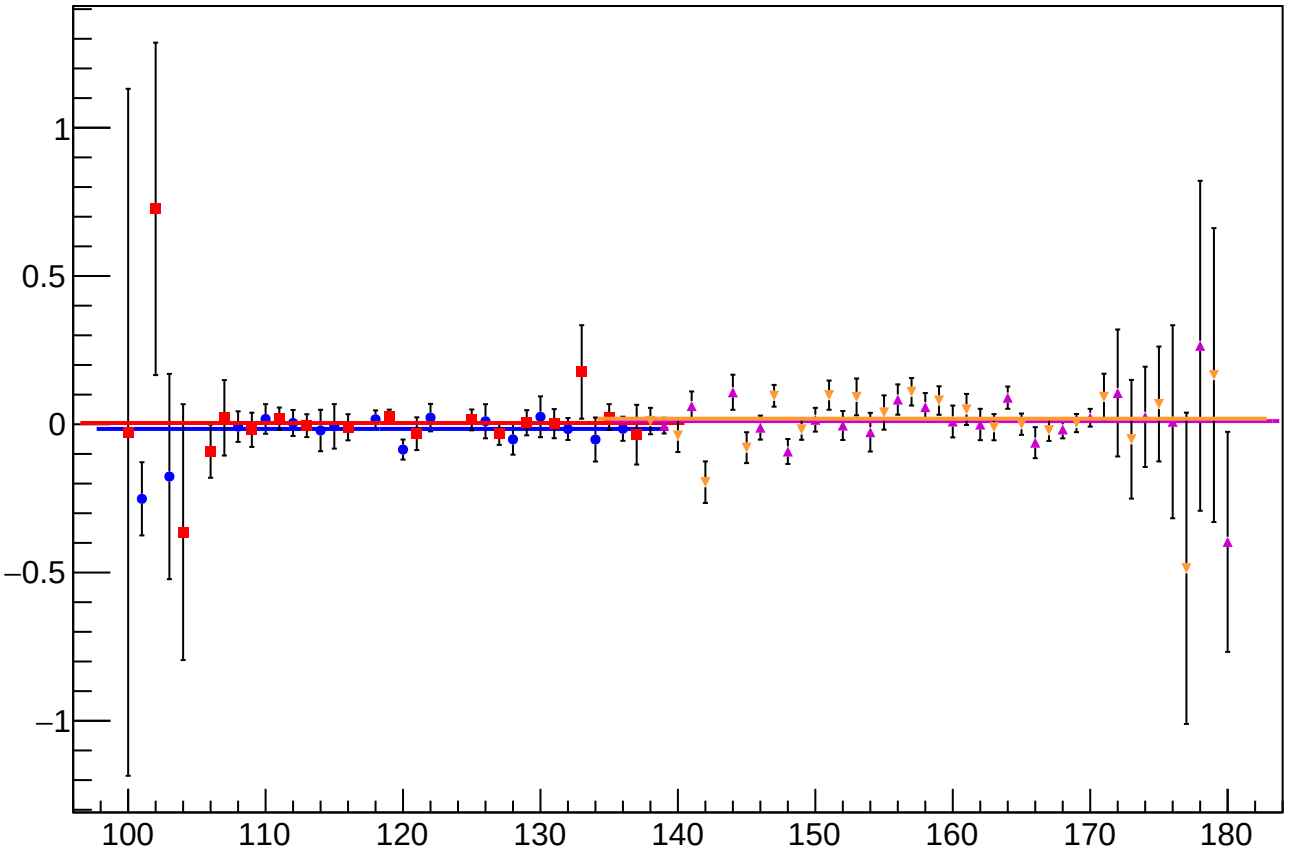
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.003+/-0.000 χ^2/NDF:7222873.4/20

+ sign 0.004+/-0.000 χ^2/NDF: 8891118.2/36

All: 0.004+/-0.000 χ^2/NDF: 19036521.9/75

- 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:33.5/20

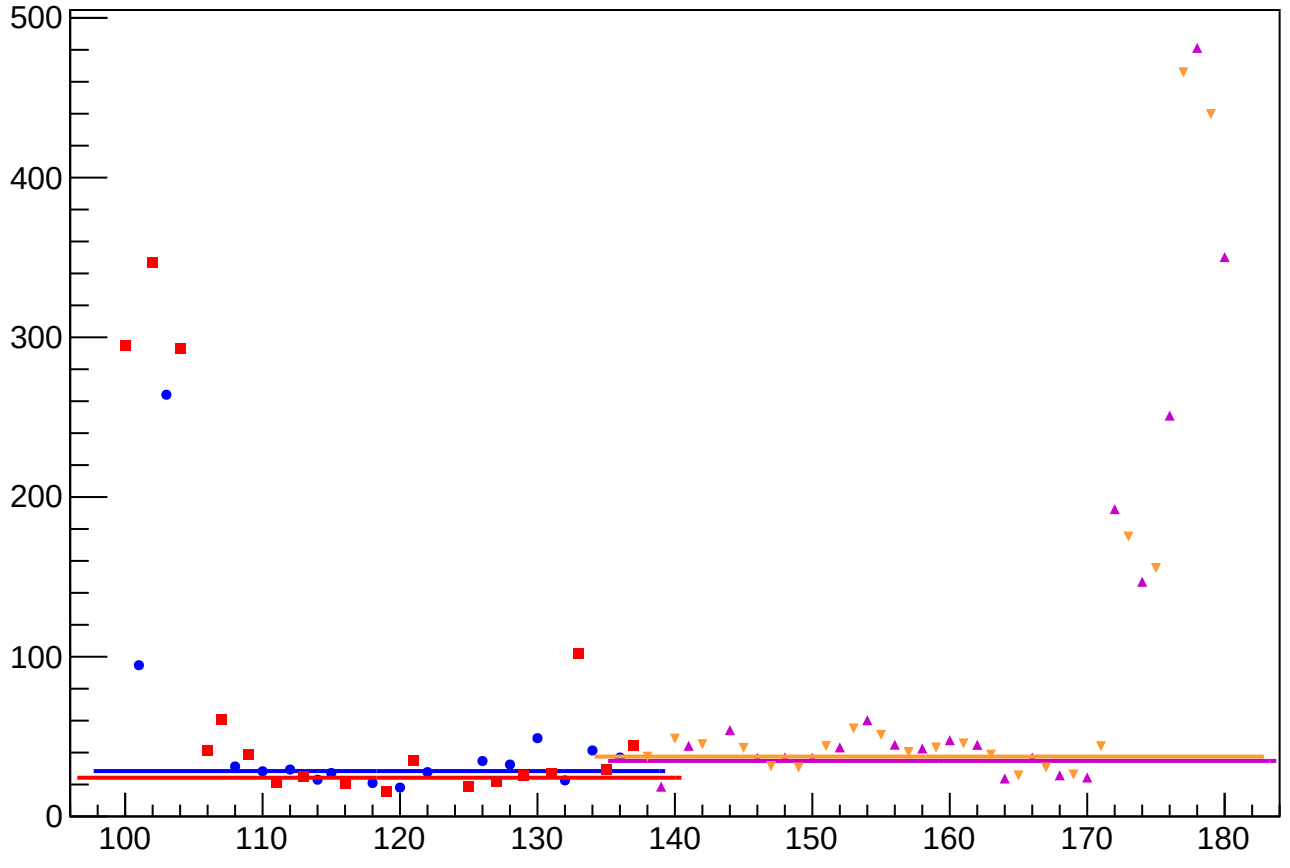
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:22.8/20

+ sign 0.004+/-0.008 χ^2/NDF: 49.9/36

All: 0.006+/-0.006 χ^2/NDF: 80.8/75

- 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: 37.502+/-0.008 χ^2/NDF:5560062.4/20

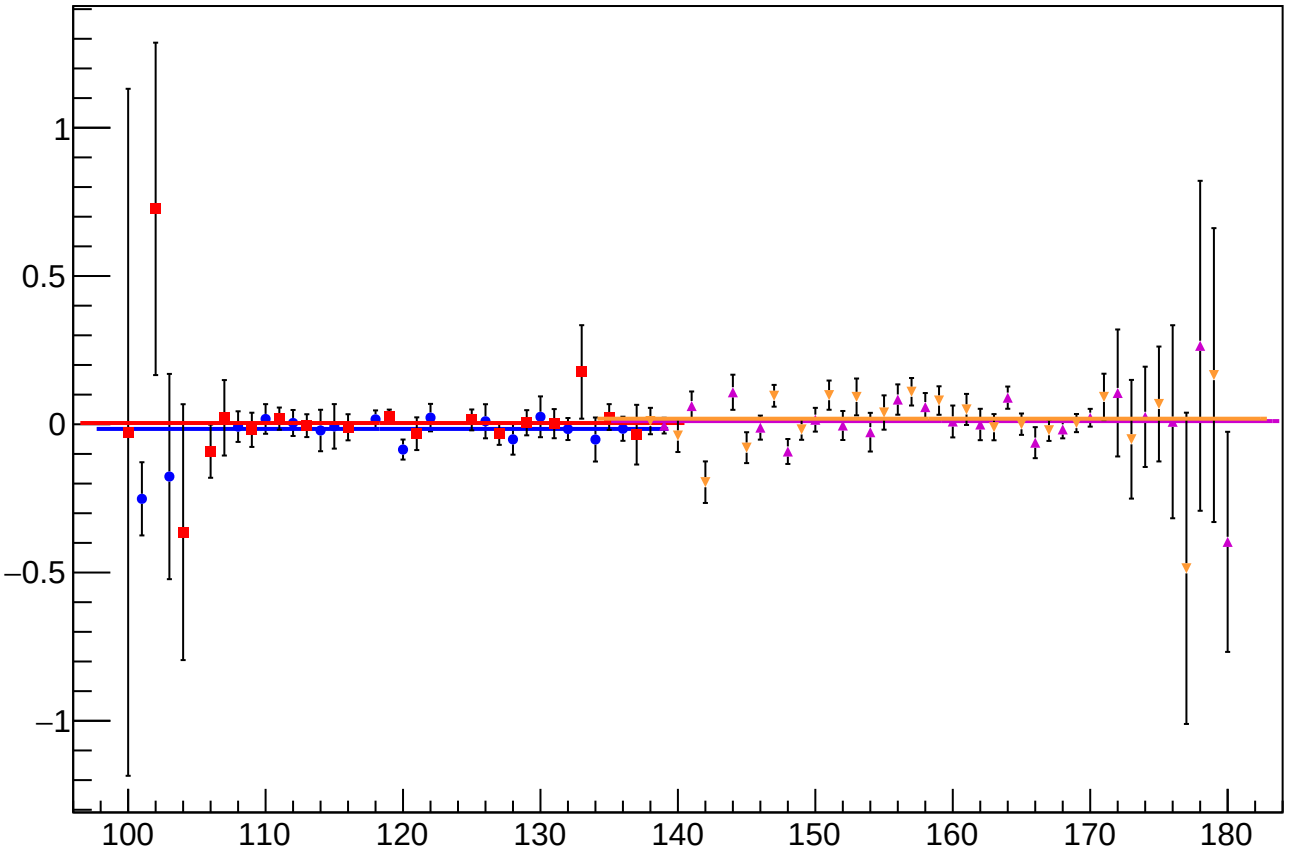
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.763+/-0.007 χ^2/NDF:7901685.0/20

\+ sign 33.536+/-0.006 χ^2/NDF: 8420979.5/36

All: 31.696+/-0.004 χ^2/NDF: 20363853.3/75

\- 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:33.5/20

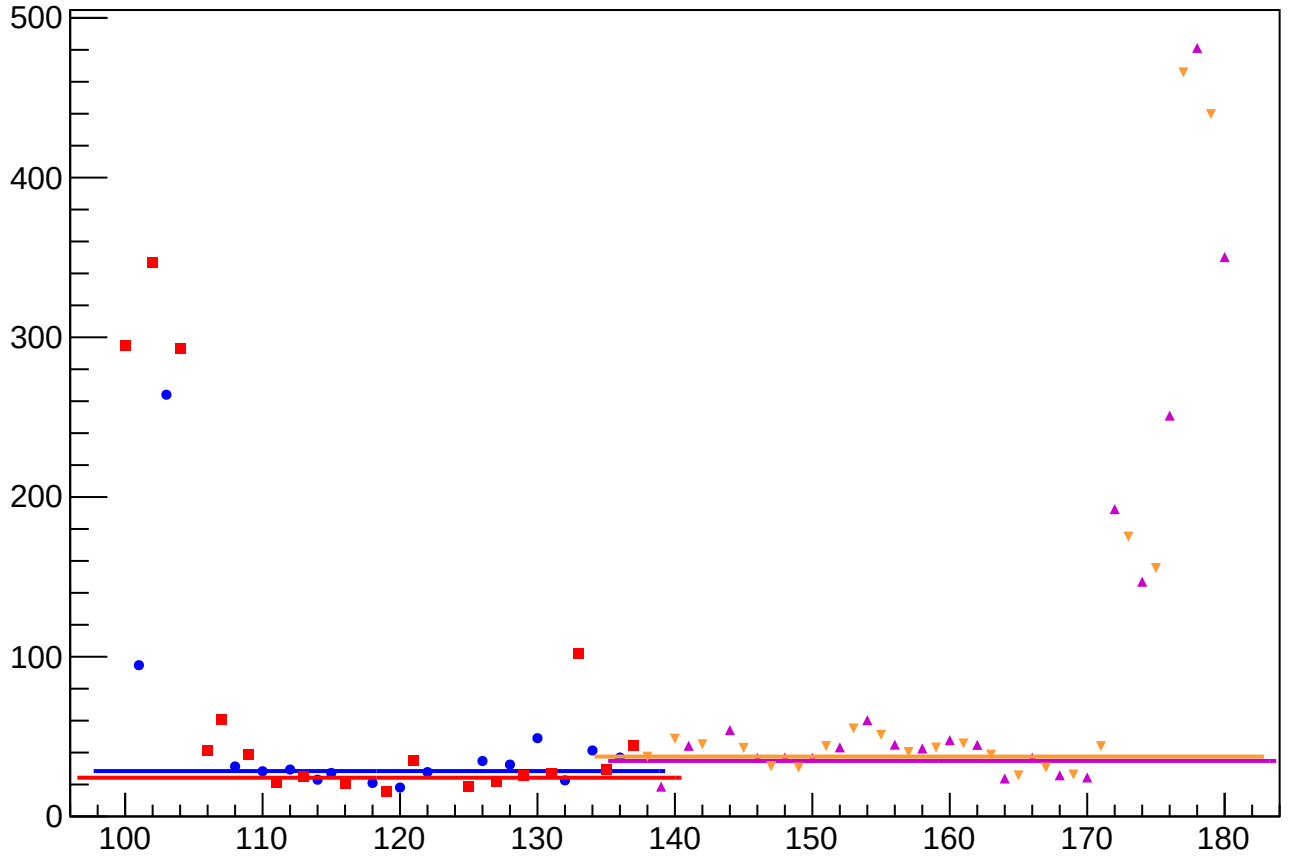
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:22.8/20

+ sign 0.004+/-0.008 χ^2/NDF: 49.9/36

All: 0.006+/-0.006 χ^2/NDF: 80.8/75

- 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: 37.502+/-0.008 χ^2/NDF:5560062.4/20

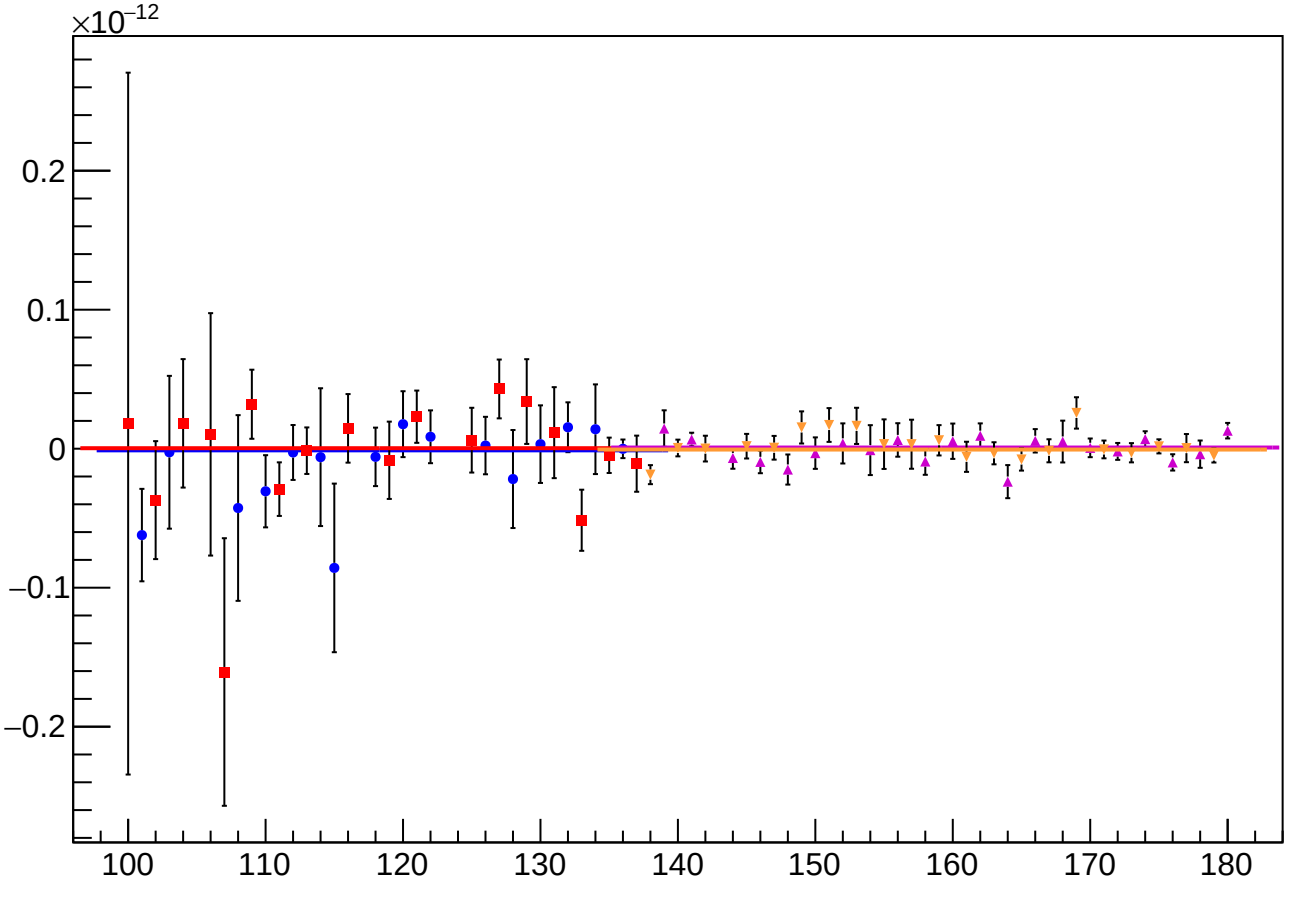
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.763+/-0.007 χ^2/NDF:7901685.0/20

+ sign 33.536+/-0.006 χ^2/NDF: 8420979.5/36

All: 31.696+/-0.004 χ^2/NDF: 20363853.3/75

- 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:20.9/20

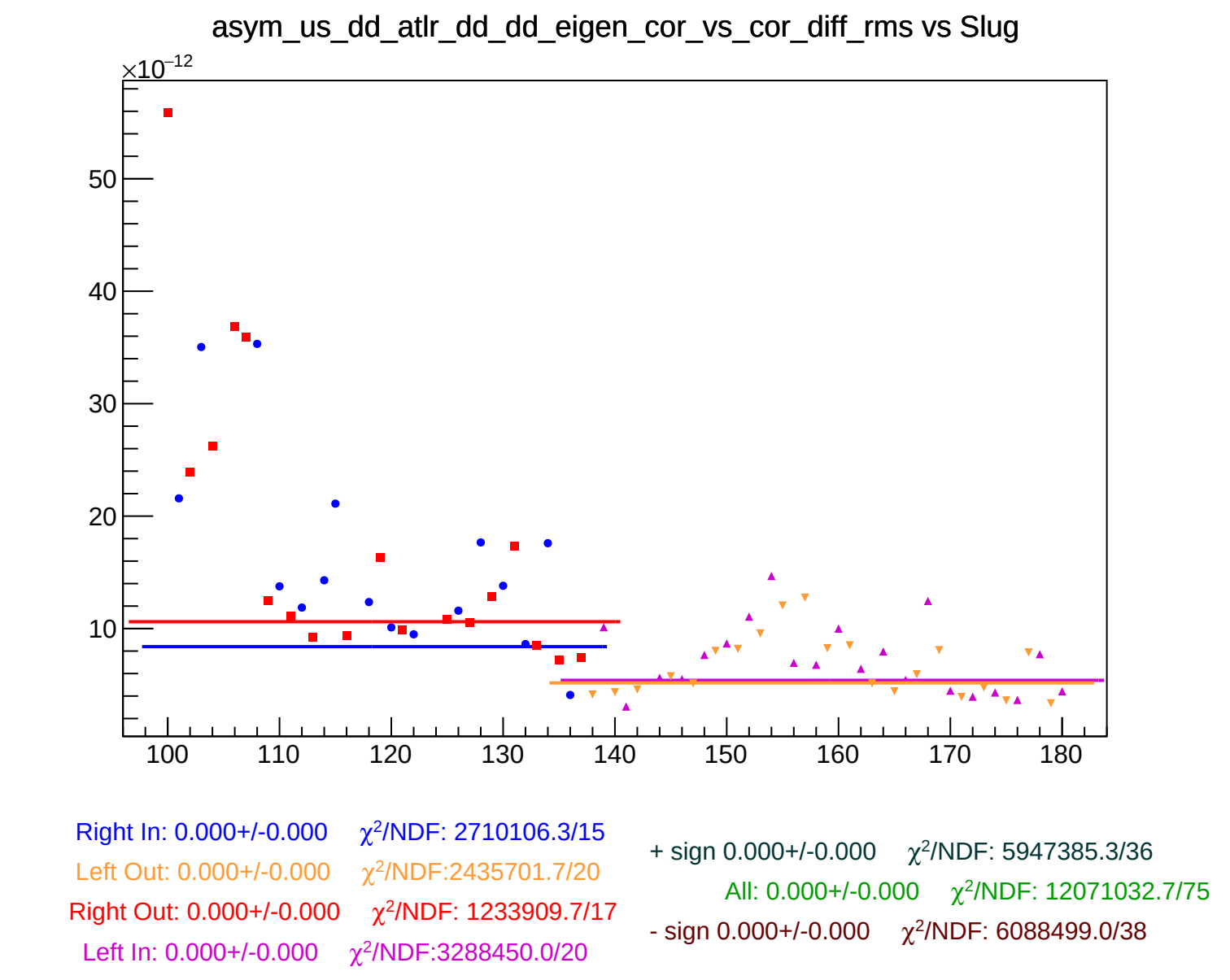
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:24.0/20

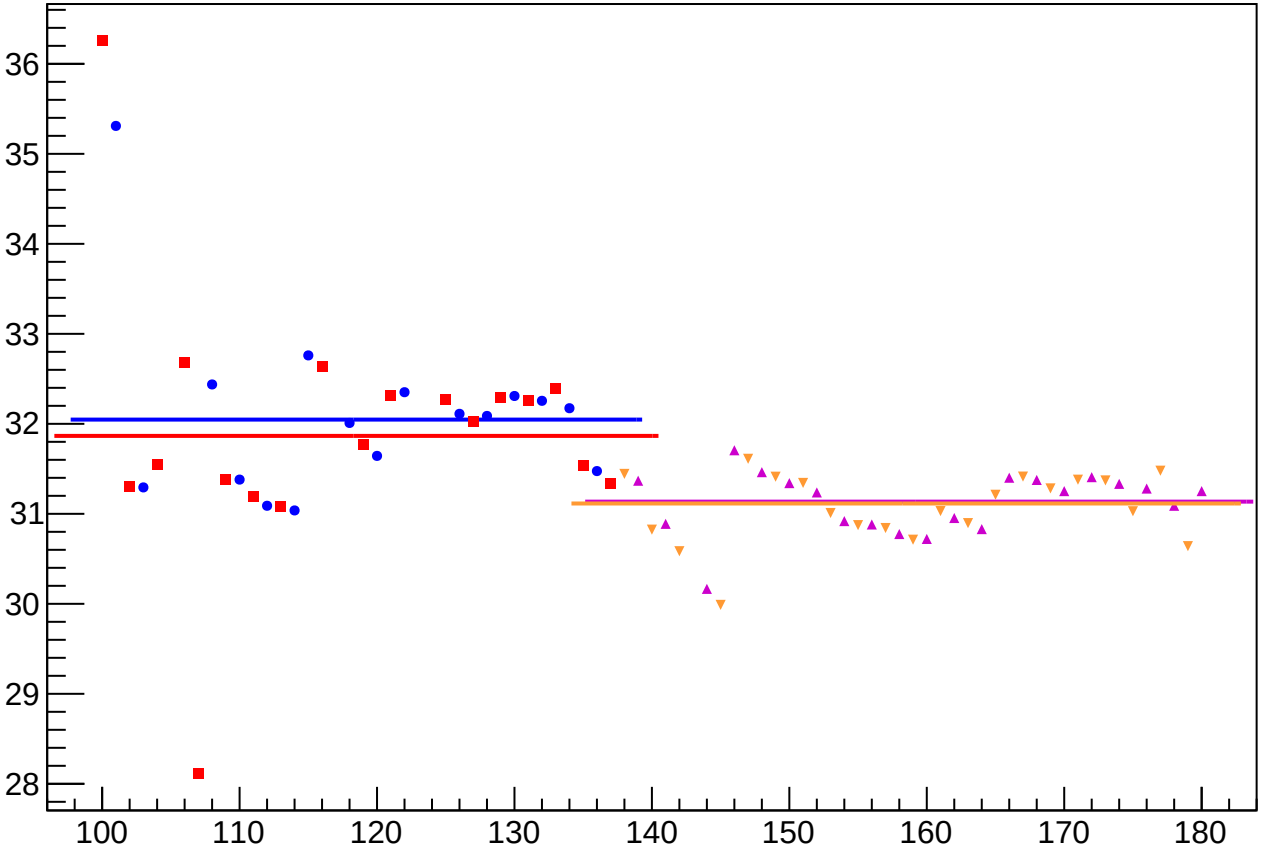
+ sign -0.000+/-0.000 χ^2/NDF: 30.4/36

All: 0.000+/-0.000 χ^2/NDF: 75.8/75

- 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:2435701.7/20
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: 5947385.3/36
All: 0.000+/-0.000 χ²/NDF: 12071032.7/75
- 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: 31.115+/-0.000 χ^2/NDF:313827160.2/20

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

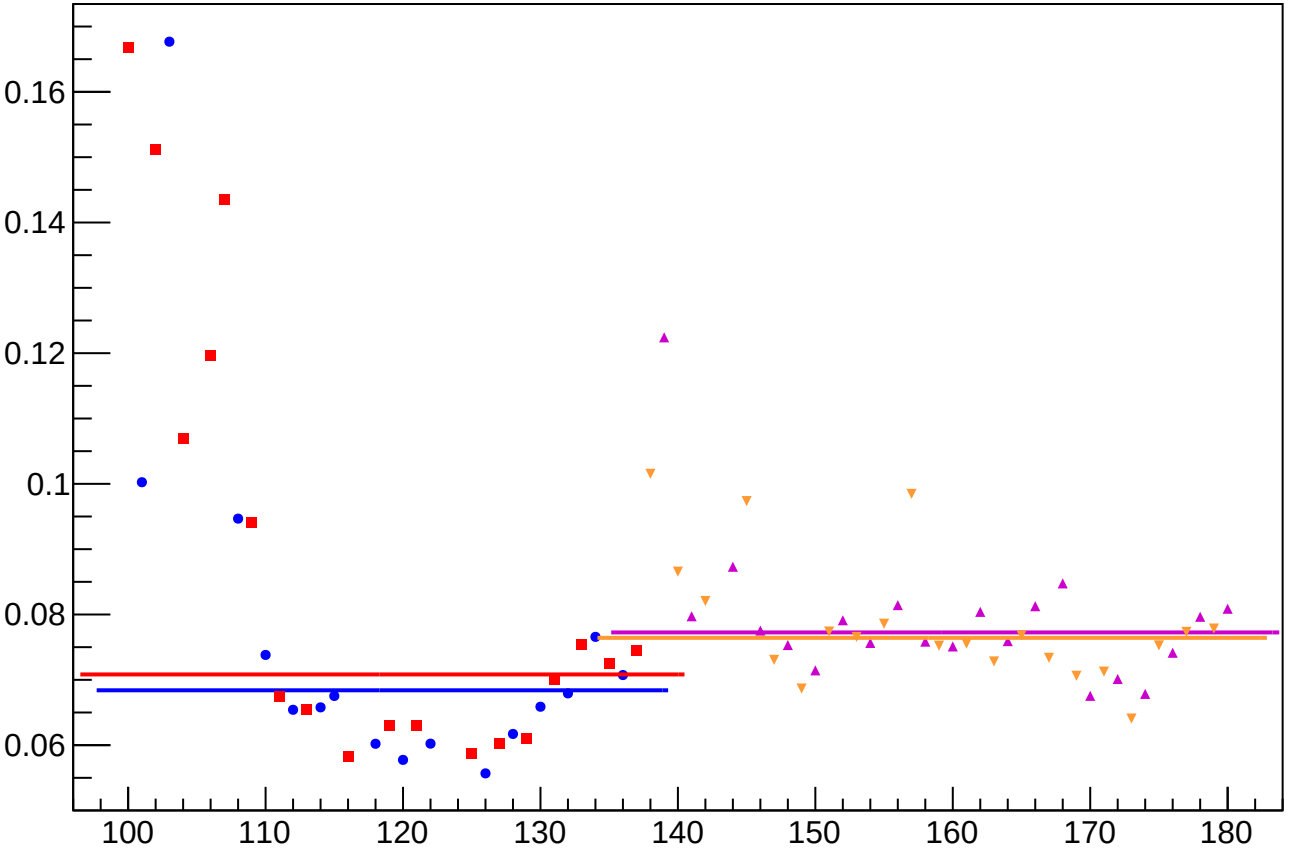
Left In: 31.136+/-0.000 χ^2/NDF:278592664.1/20

+ sign 31.434+/-0.000 χ^2/NDF: 1976757215.3/36

All: 31.403+/-0.000 χ^2/NDF: 3197451012.2/7

- 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:352403.2/20

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

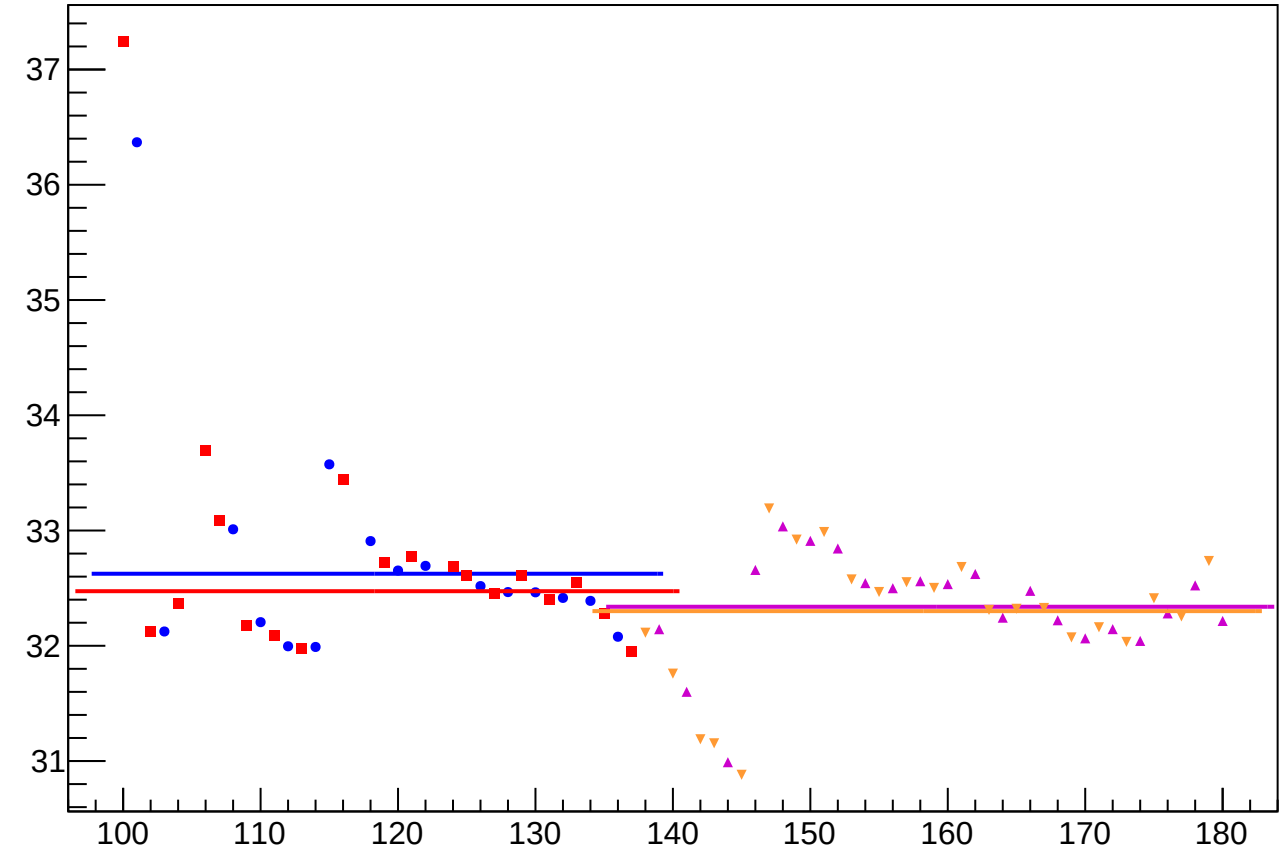
Left In: 0.077+/-0.000 χ^2/NDF:358416.9/20

+ sign 0.074+/-0.000 χ^2/NDF: 1169025.5/36

All: 0.074+/-0.000 χ^2/NDF: 2473999.5/75

- 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: 32.301+/-0.000 χ^2/NDF:819849036.4/21

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

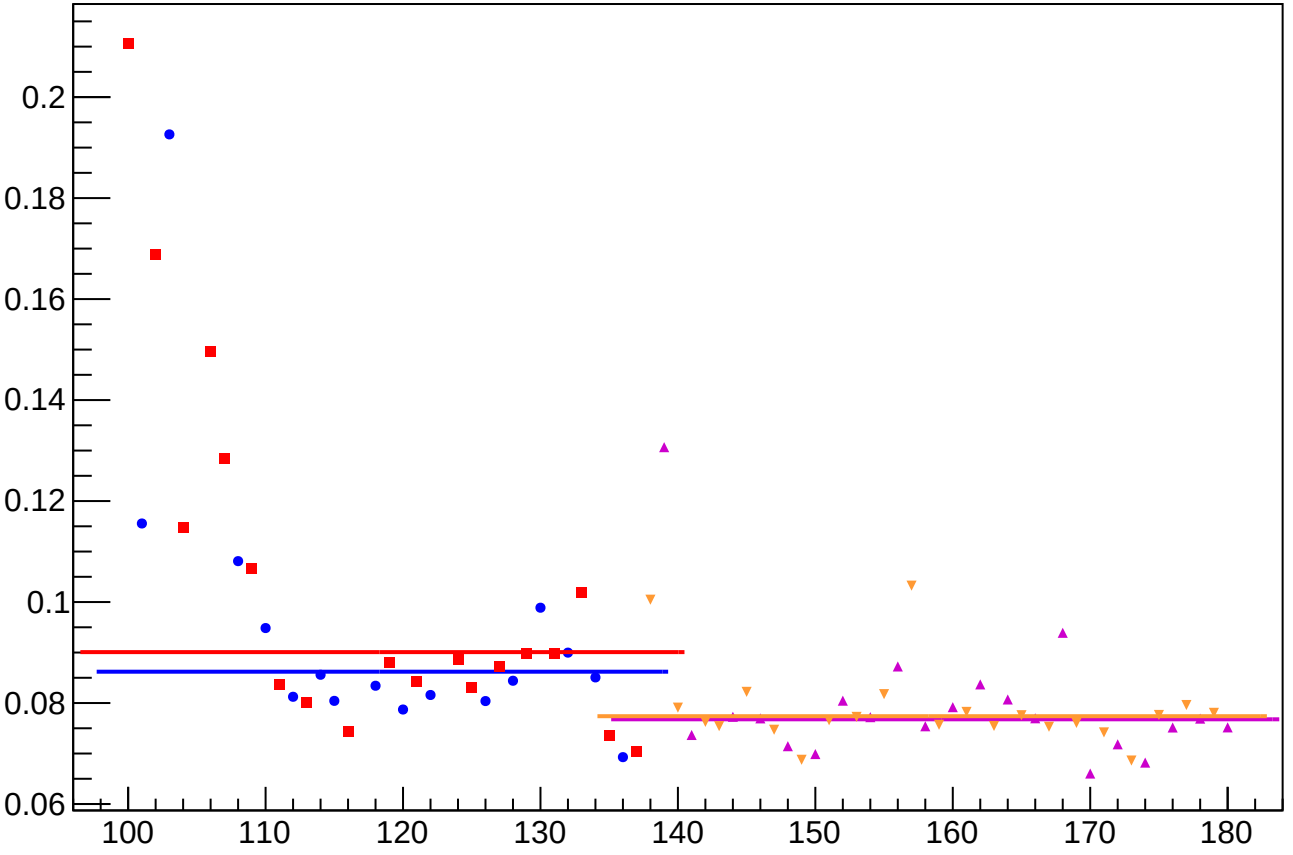
Left In: 32.339+/-0.000 χ^2/NDF:582044134.2/20

+ sign 32.379+/-0.000 χ^2/NDF: 1626407130.2/37

All: 32.374+/-0.000 χ^2/NDF: 2376562170.6/

- 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:231274.6/21

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

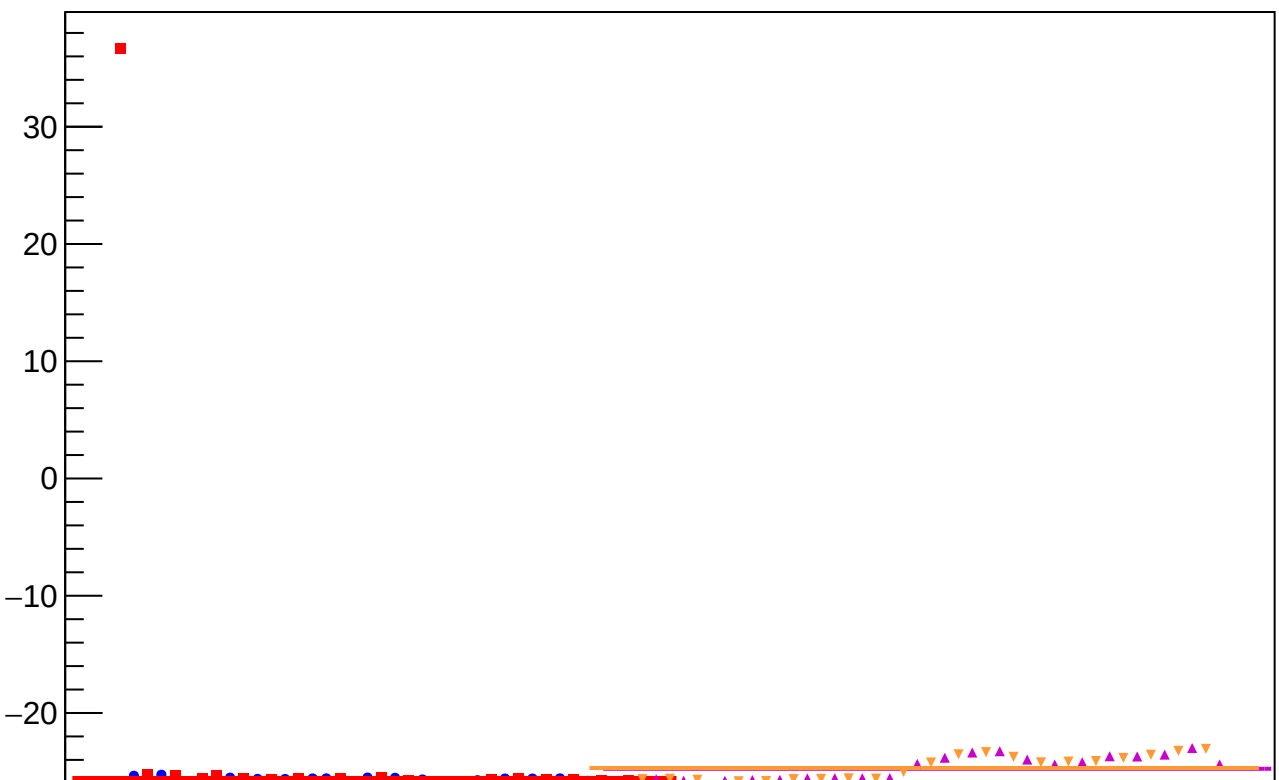
Left In: 0.077+/-0.000 χ^2/NDF:473602.8/20

+ sign 0.080+/-0.000 χ^2/NDF: 929536.0/37

All: 0.080+/-0.000 χ^2/NDF: 2242269.2/77

- 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: -24.693+/-0.000 χ^2/NDF:8108665630.1/20

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

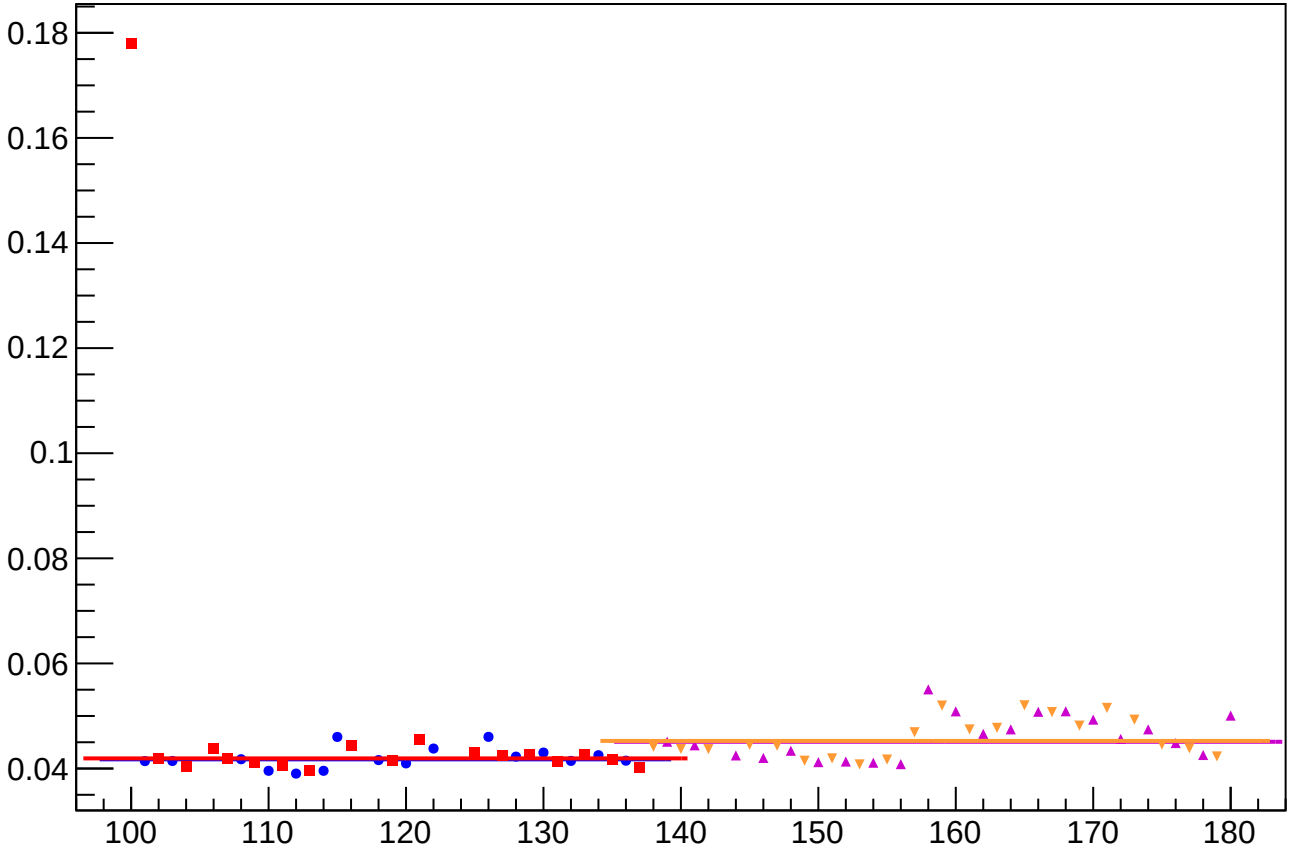
Left In: -24.757+/-0.000 χ^2/NDF:8064678005.3/20

+ sign -24.996+/-0.000 χ^2/NDF: 10327997447.6/36

All: -25.008+/-0.000 χ^2/NDF: 29001099917.2

- 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:185195.2/20

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

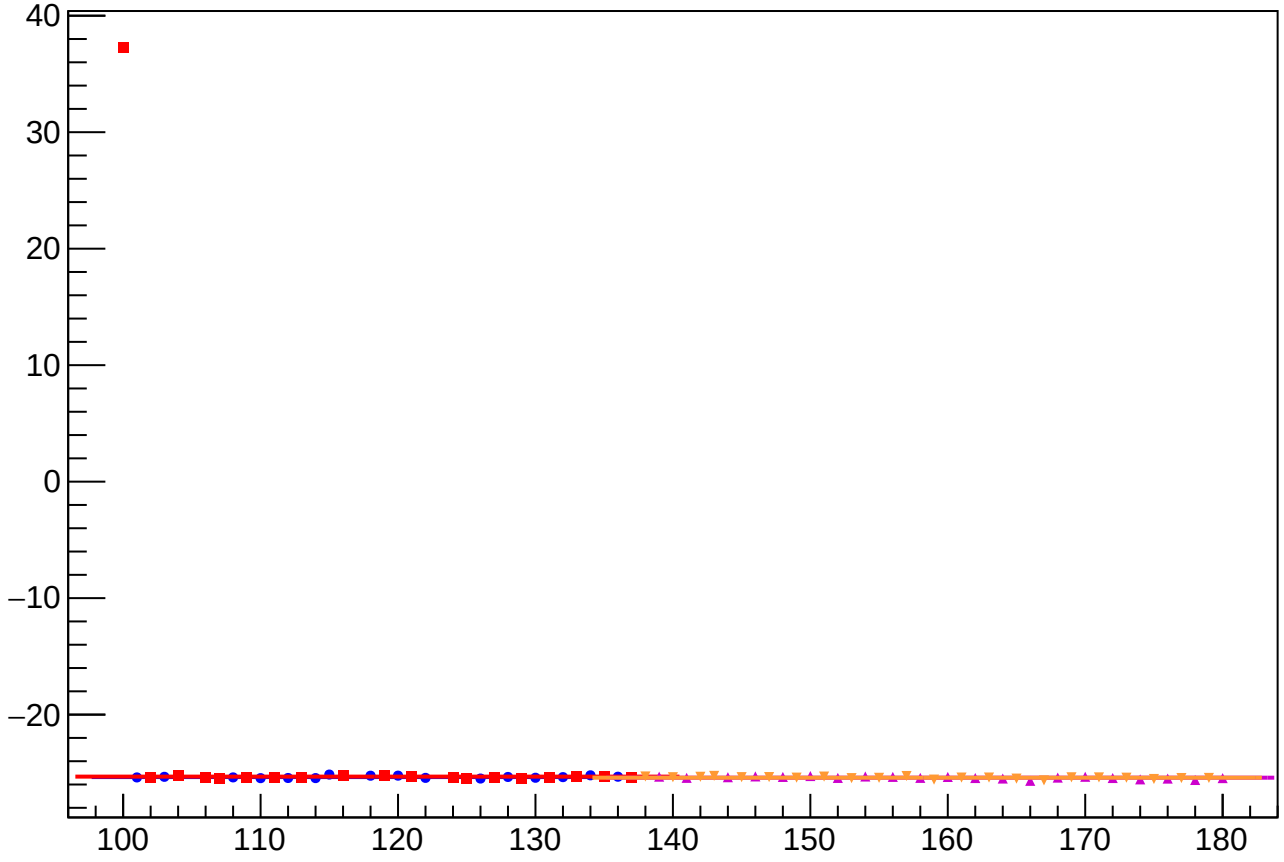
Left In: 0.045+/-0.000 χ^2/NDF:238945.5/20

+ sign 0.044+/-0.000 χ^2/NDF: 272345.3/36

All: 0.044+/-0.000 χ^2/NDF: 666278.5/75

- 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: -25.413+/-0.000 χ^2/NDF:46502349.3/21

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

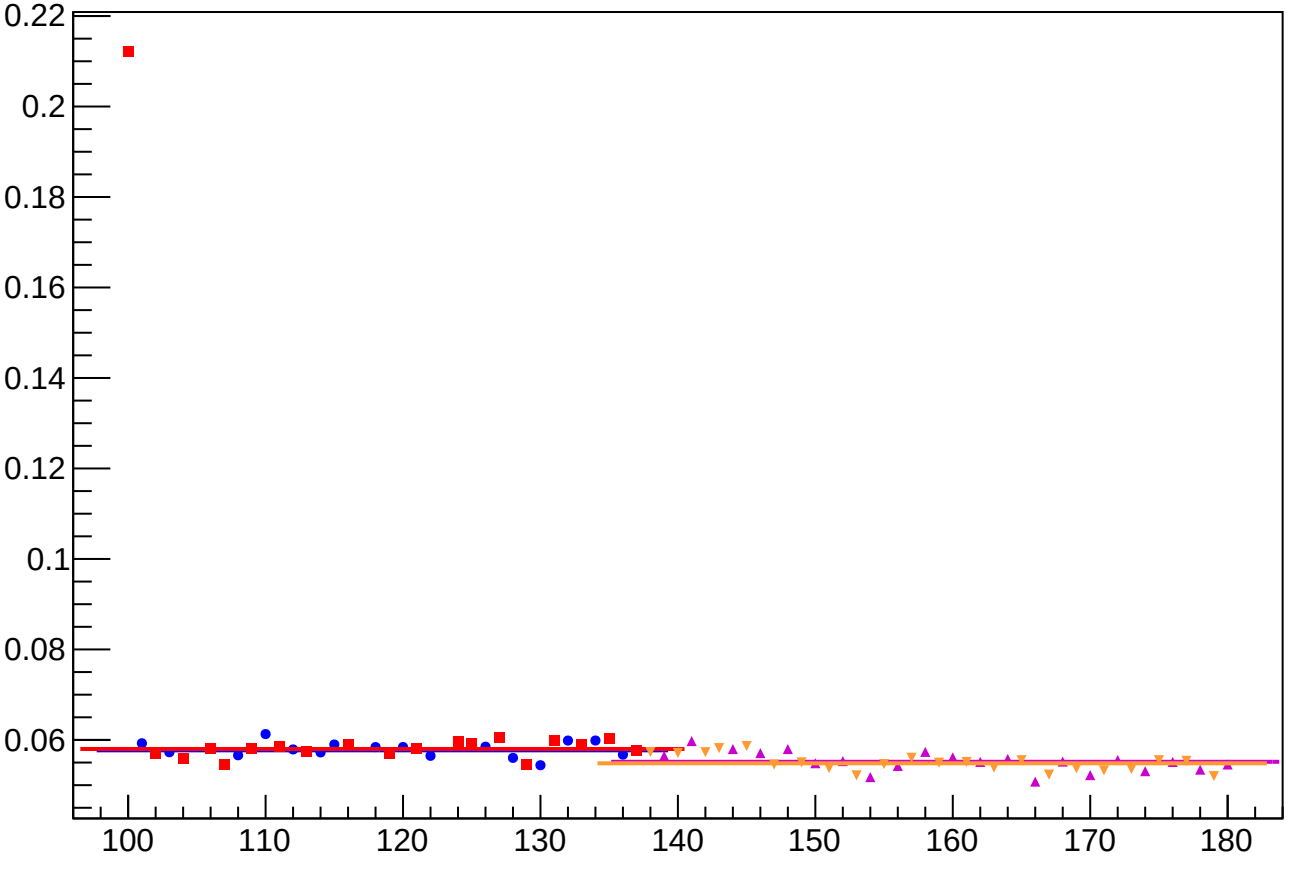
Left In: -25.415+/-0.000 χ^2/NDF:54946791.1/20

+ sign -25.399+/-0.000 χ^2/NDF: 64104484.7/37

All: -25.394+/-0.000 χ^2/NDF: 6447594500.3/

- 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:36594.7/21

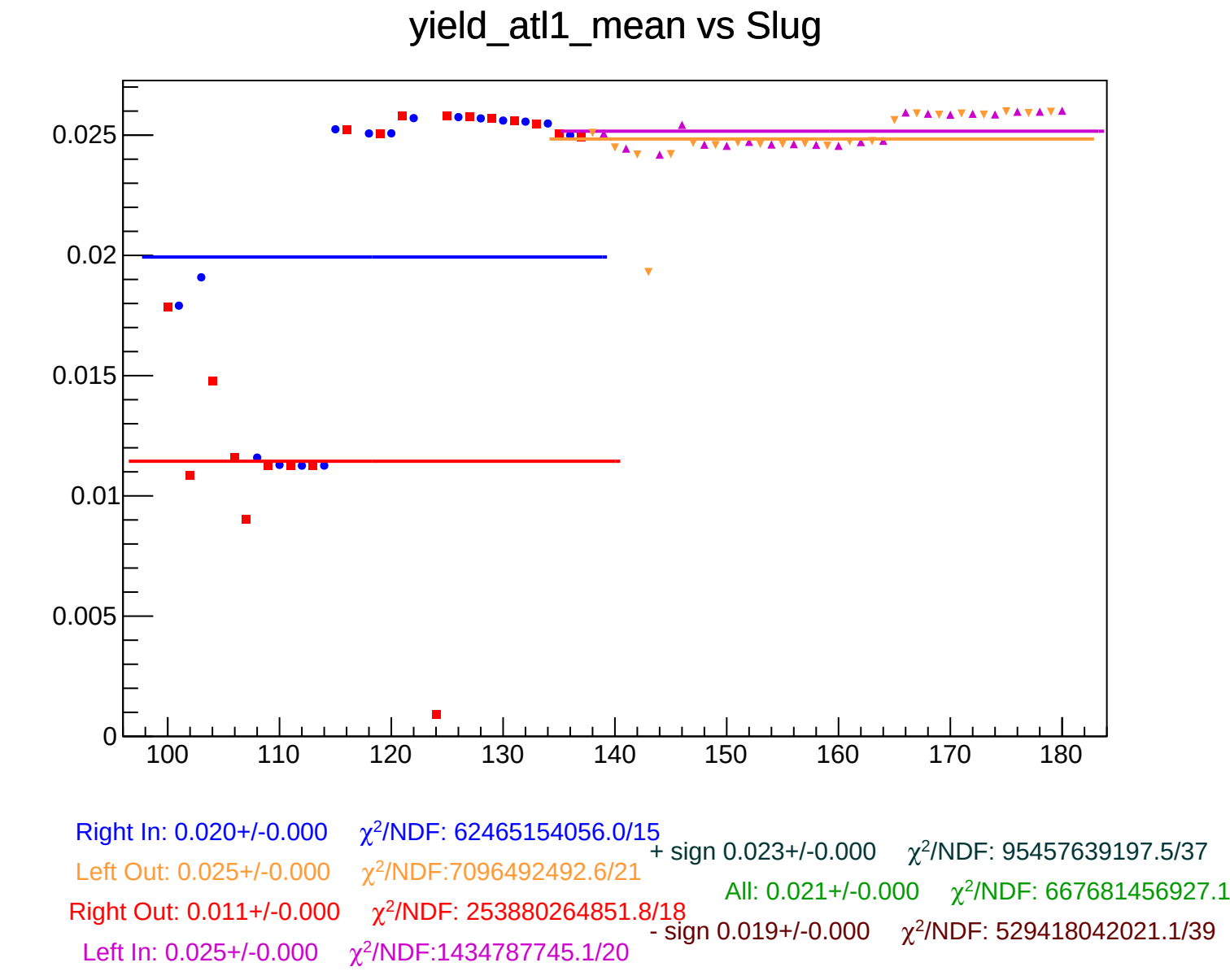
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:49276.9/20

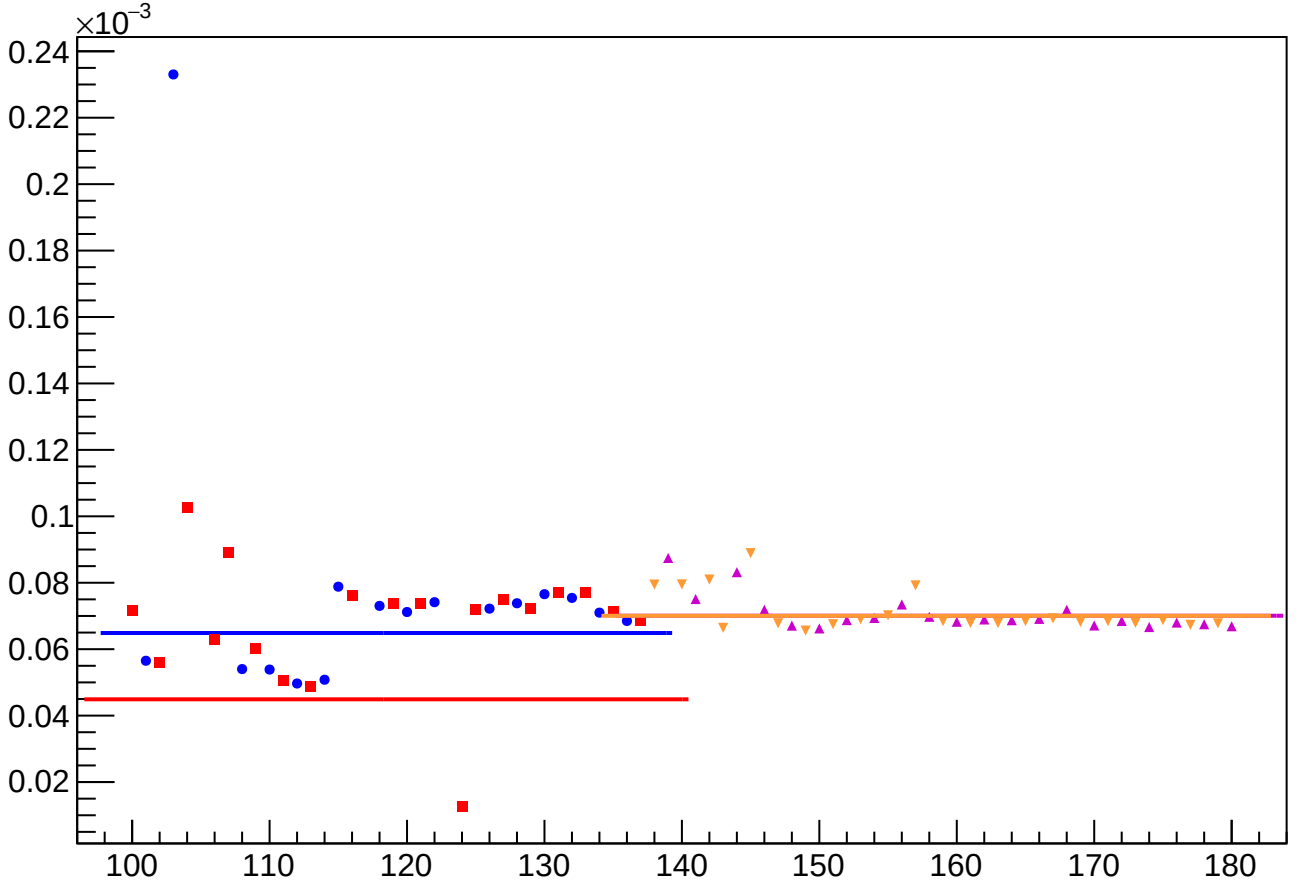
+ sign 0.056+/-0.000 χ^2/NDF: 73508.9/37

All: 0.056+/-0.000 χ^2/NDF: 237100.9/77

- sign 0.056+/-0.000 χ^2/NDF: 162634.0/39


yield_atl1_mean vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.025+/-0.000 χ²/NDF:7096492492.6/21
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:1434787745.1/20
+ sign 0.023+/-0.000 χ²/NDF: 95457639197.5/37
All: 0.021+/-0.000 χ²/NDF: 667681456927.1
- sign 0.019+/-0.000 χ²/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:180268.3/21

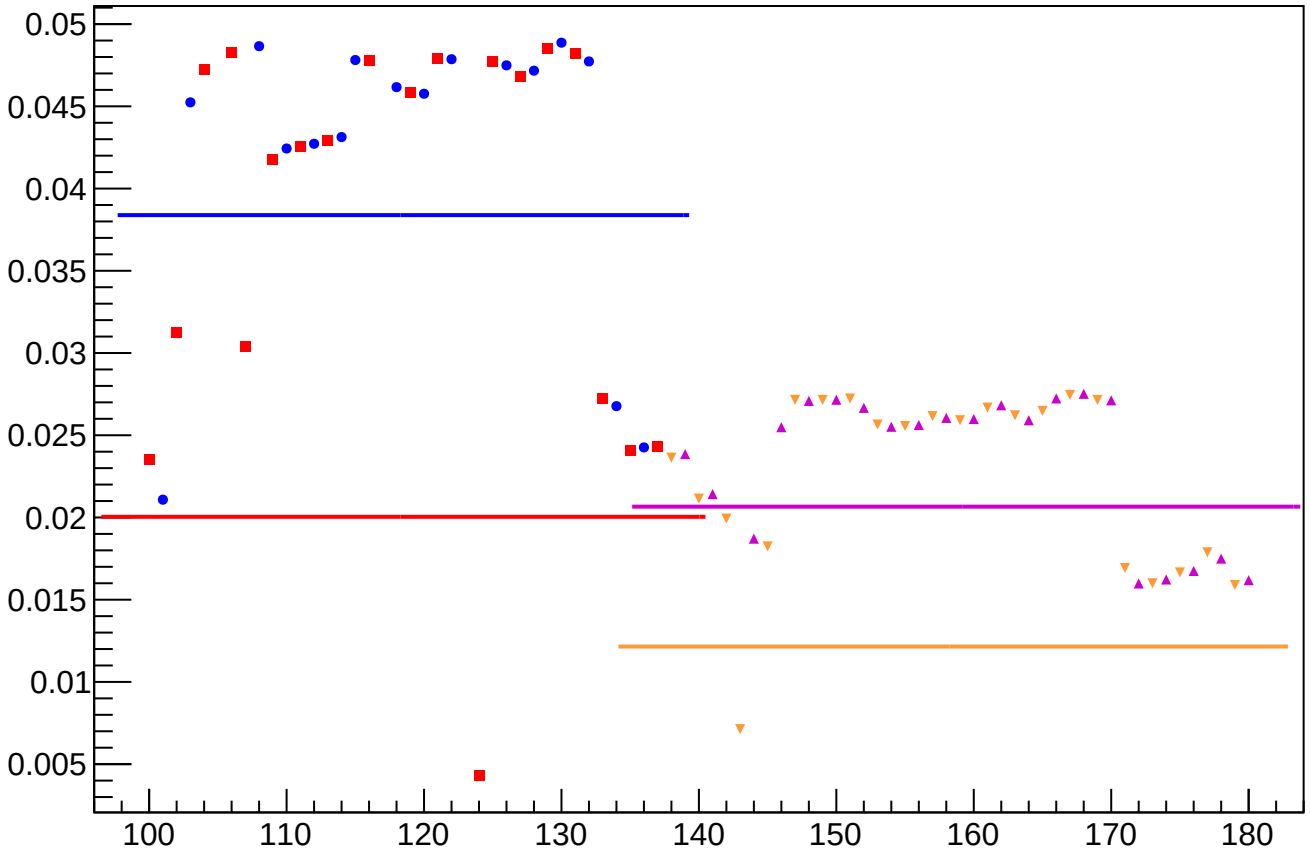
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:148179.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 1054732.7/37

All: 0.000+/-0.000 χ^2/NDF: 7259844.4/77

- 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:35507464206.1/21

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

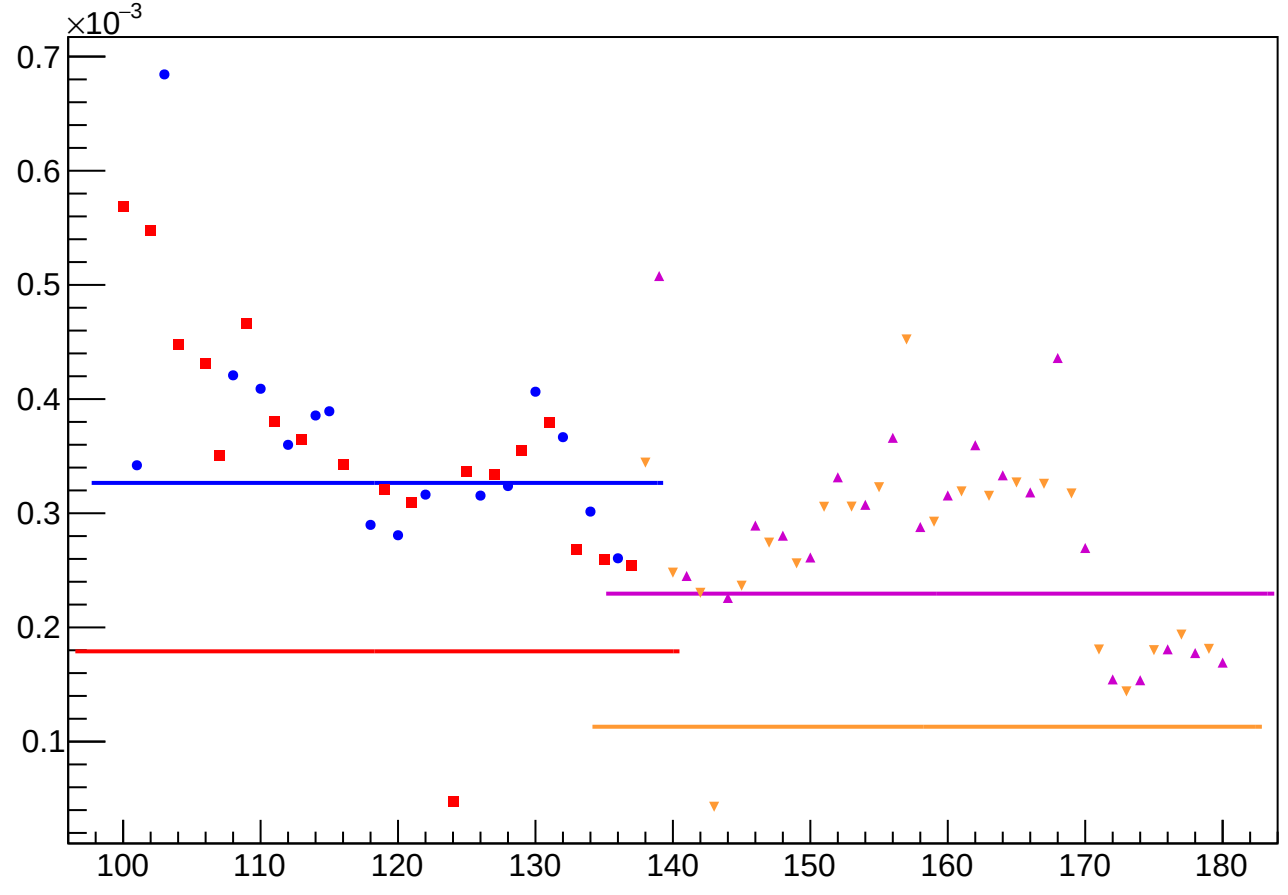
Left In: 0.021+/-0.000 χ^2/NDF:6021898668.7/20

+ sign 0.014+/-0.000 χ^2/NDF: 80100413531.3/37

All: 0.016+/-0.000 χ^2/NDF: 138322554066.6

- 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:14042206.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

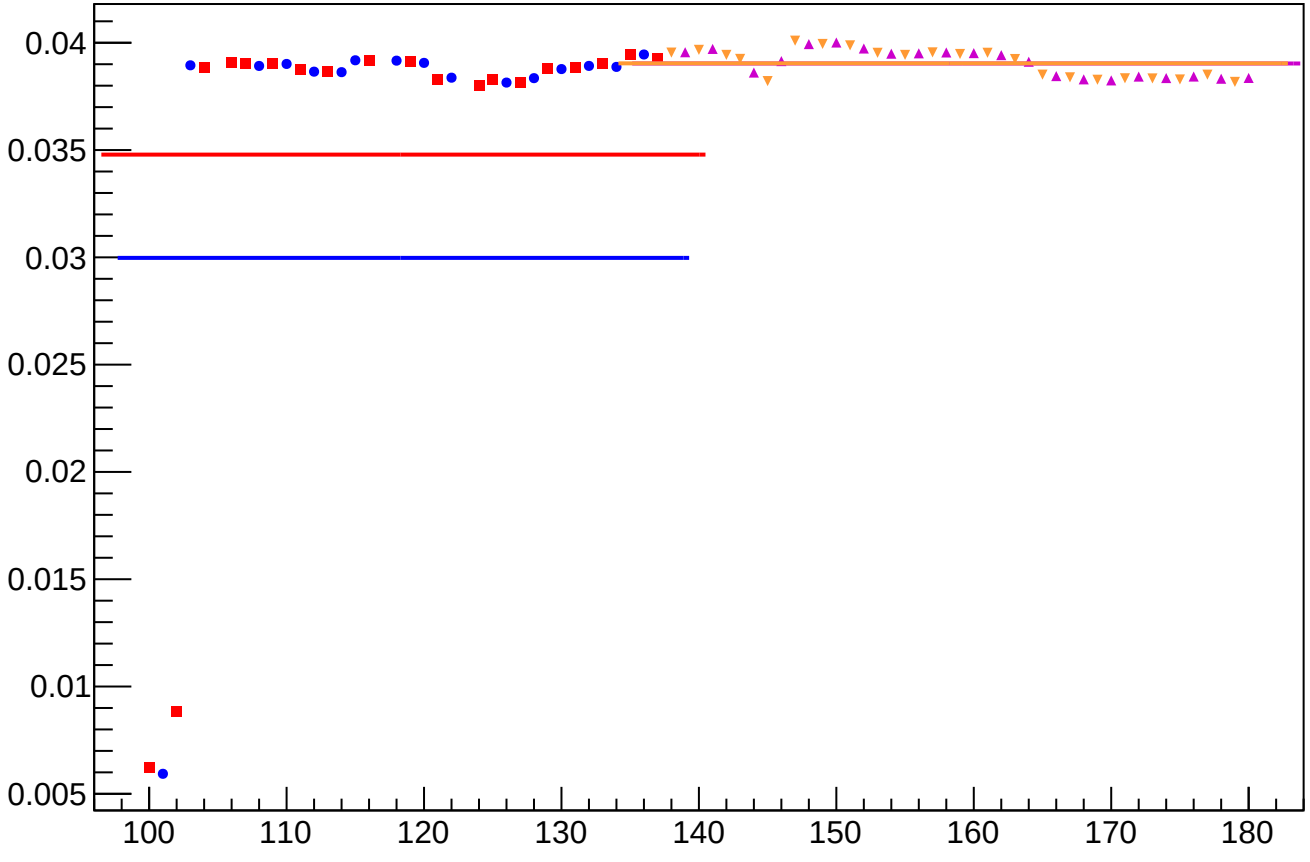
Left In: 0.000+/-0.000 χ^2/NDF:3220205.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 19596673.5/37

All: 0.000+/-0.000 χ^2/NDF: 32521858.6/77

- sign 0.000+/-0.000 χ^2/NDF: 9309849.0/39

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:433389688.2/21

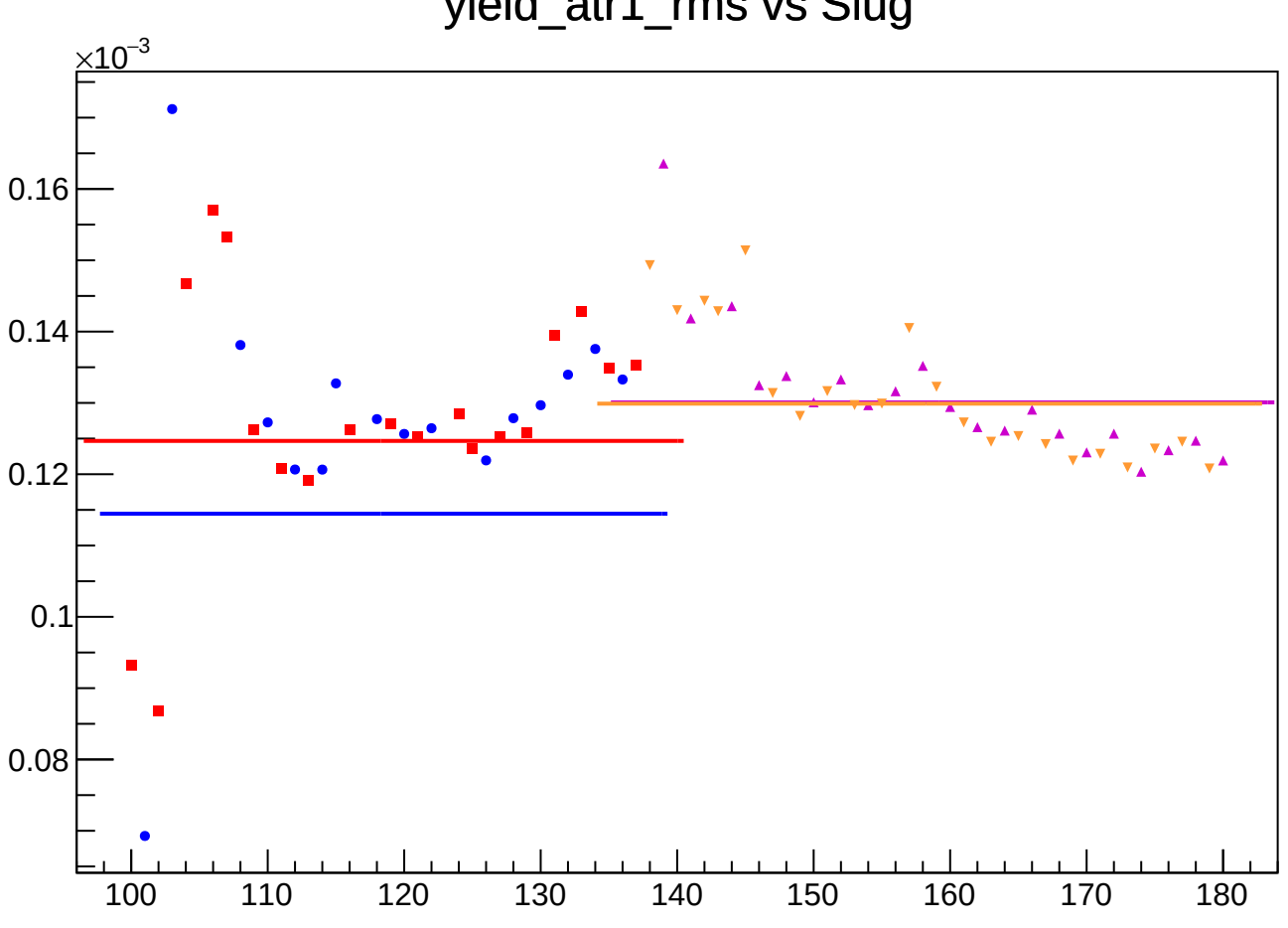
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:386973160.4/20

+ sign 0.036+/-0.000 χ^2/NDF: 136439832984.8/37

All: 0.037+/-0.000 χ^2/NDF: 191807304529.8

- 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:147077.9/21

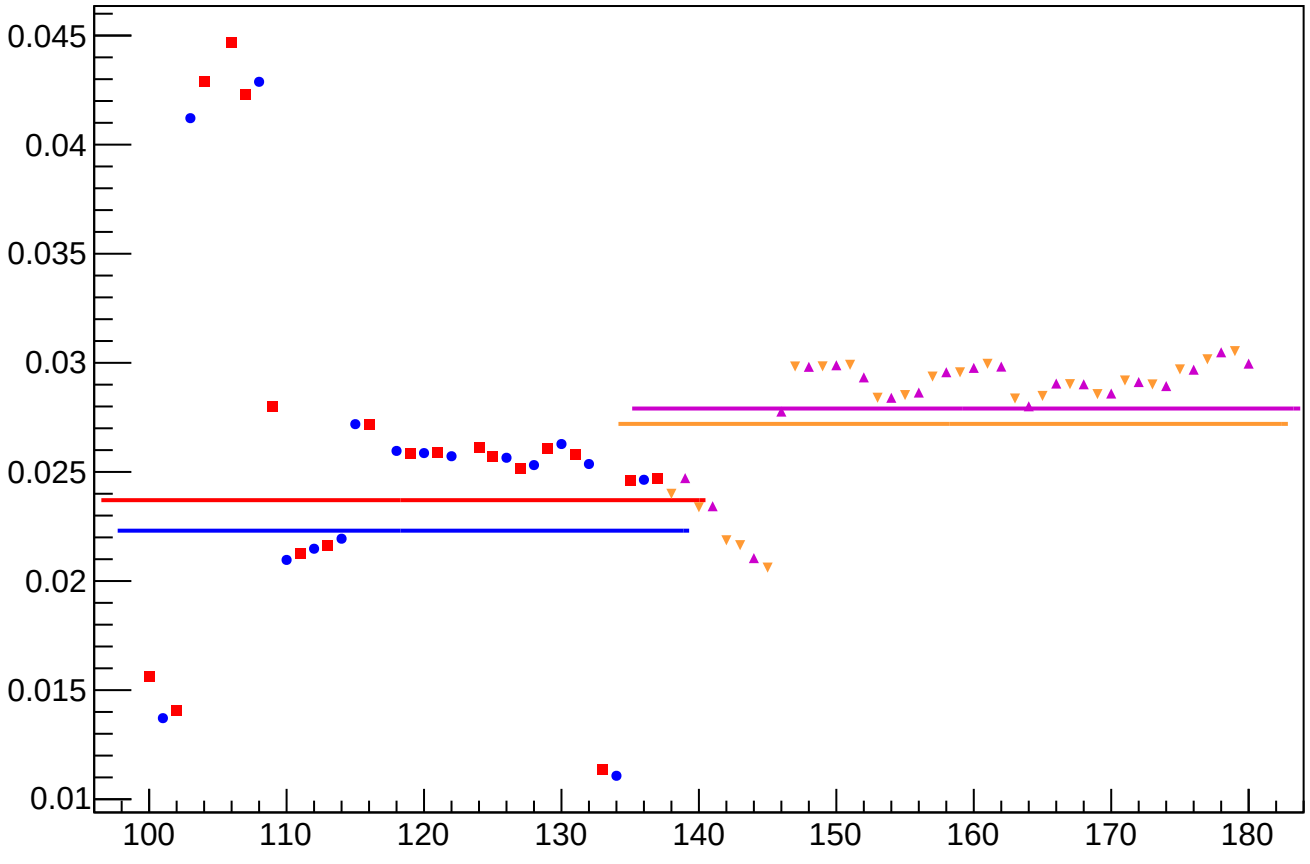
Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:138957.0/20

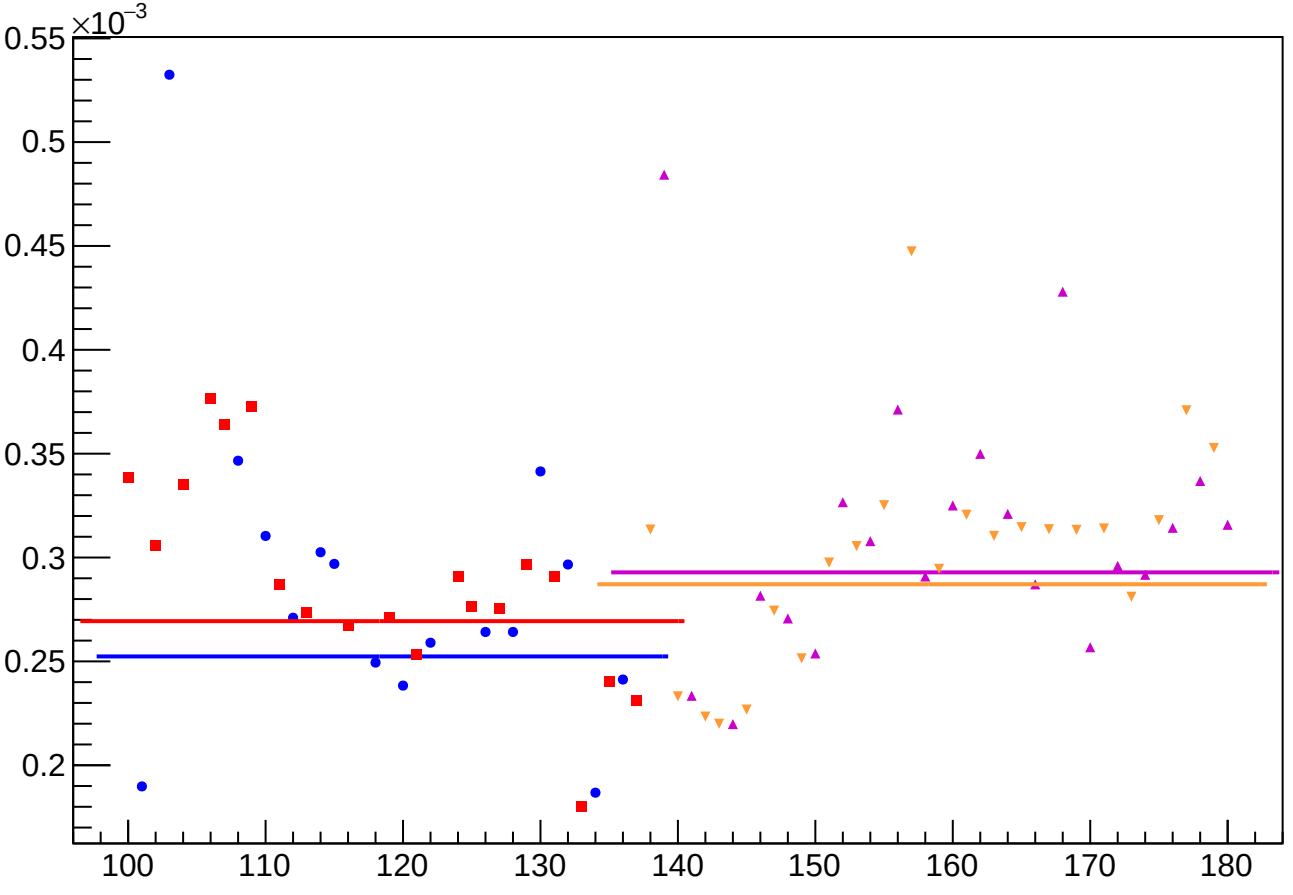
+ sign 0.000+/-0.000 χ^2/NDF: 1161040.2/37

All: 0.000+/-0.000 χ^2/NDF: 1598284.3/77

- 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:2150526981.1/21
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: 8702264021.7/37
All: 0.026+/-0.000 χ²/NDF: 16921770938.7/
- 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:812370.0/21

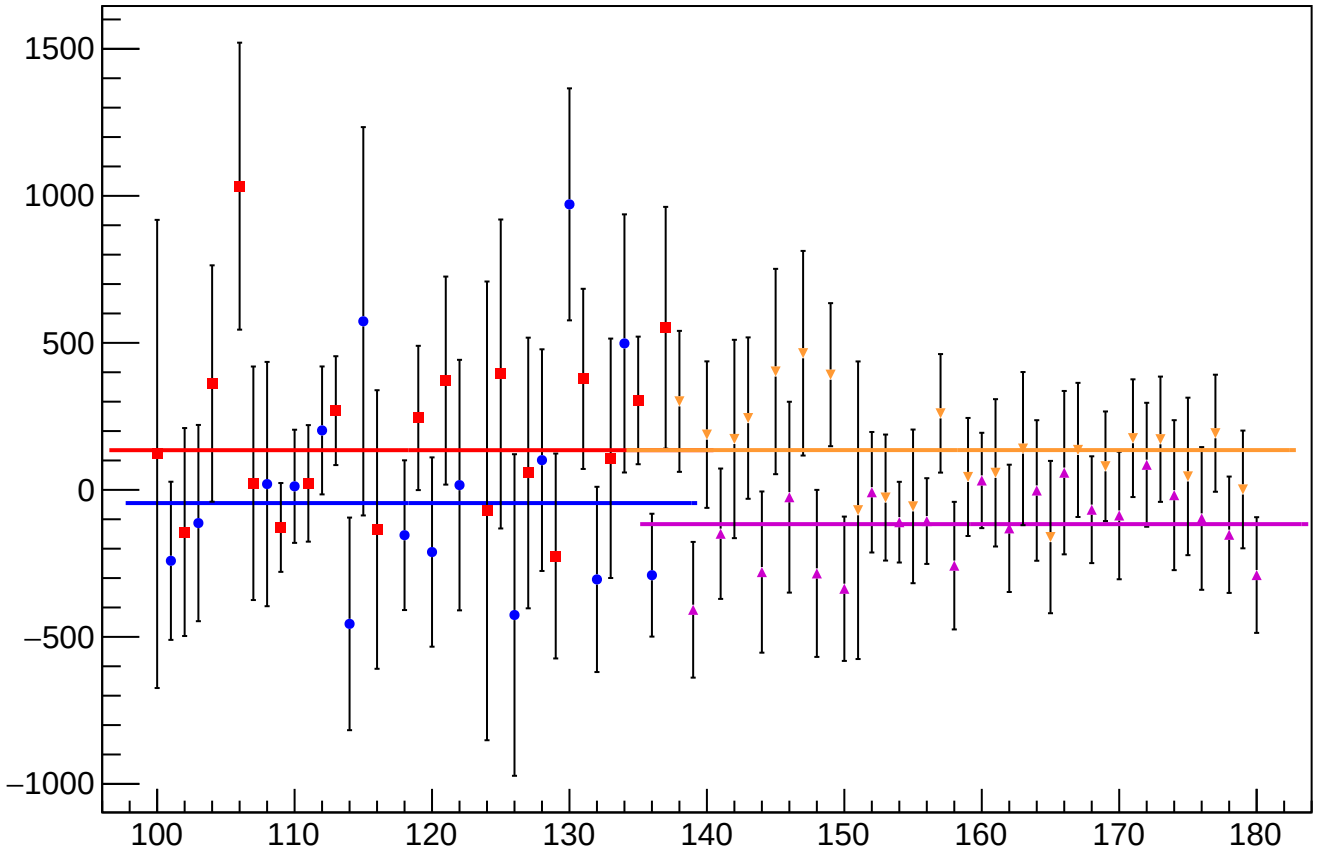
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:967880.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 1675373.2/37

All: 0.000+/-0.000 χ^2/NDF: 3182790.5/77

- 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: 135.281+/-51.074 χ^2/NDF:7.3/21

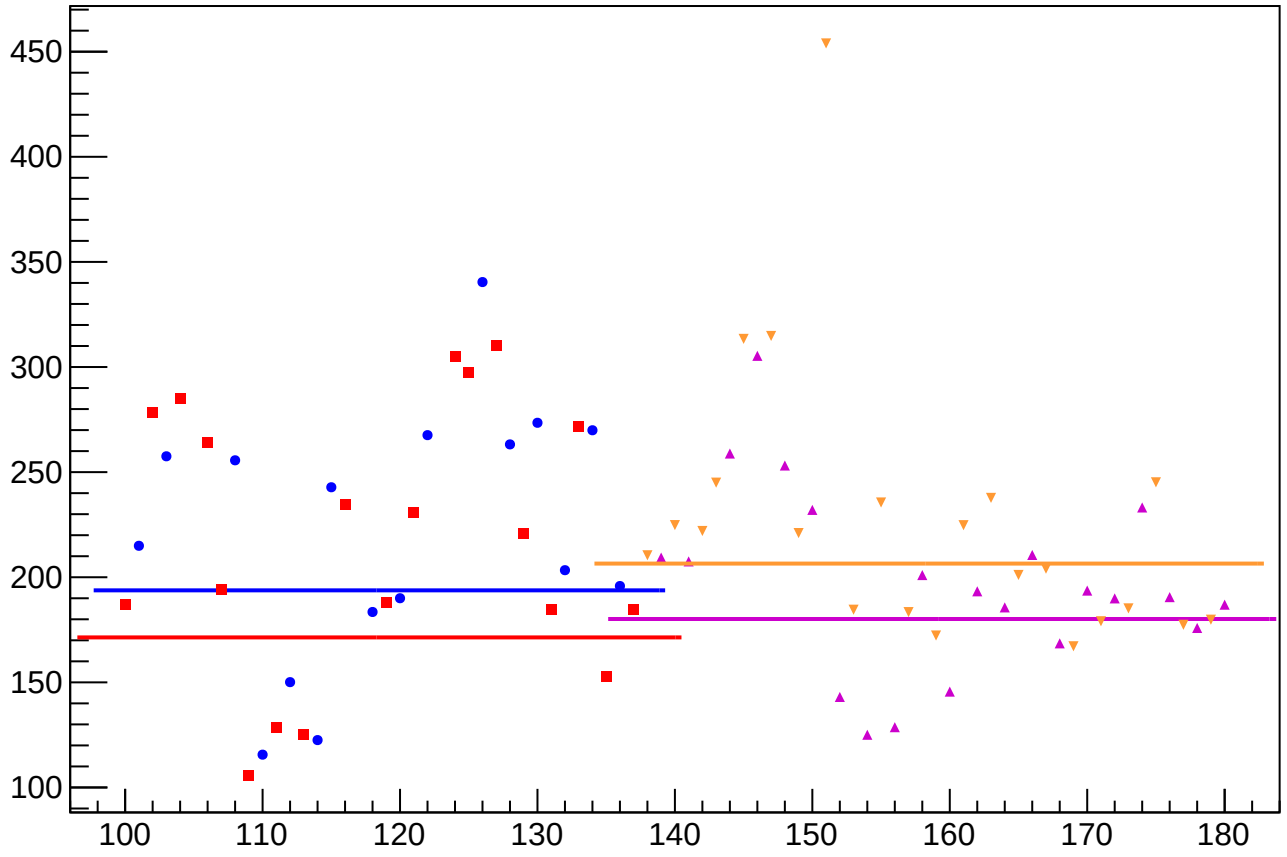
Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: -116.522+/-45.467 χ^2/NDF:7.4/20

+ sign 79.419+/-42.425 χ^2/NDF: 26.7/37

All: 13.463+/-28.226 χ^2/NDF: 60.7/77

- sign -38.915+/-37.807 χ^2/NDF: 29.7/39



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 206.500+/-0.036 χ^2/NDF:1358310.1/21

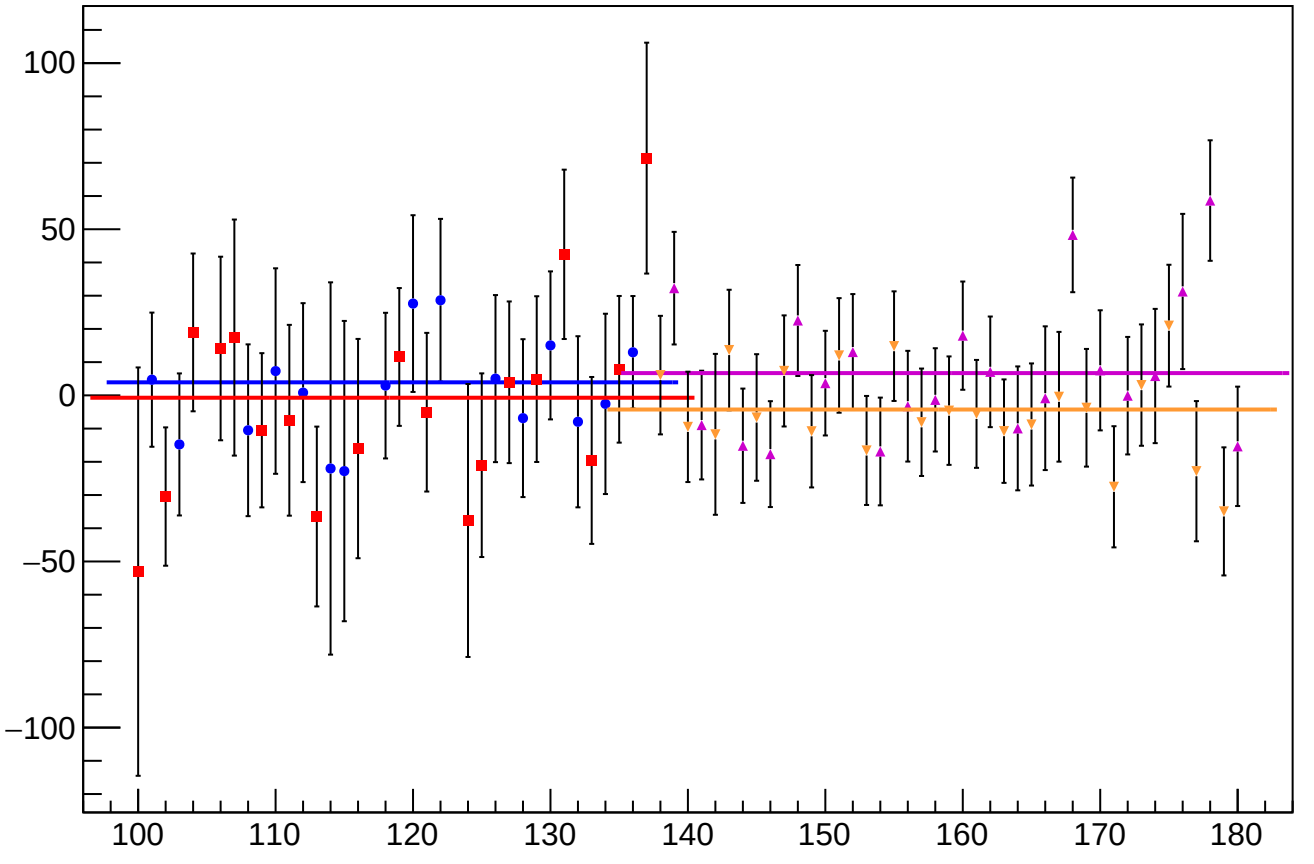
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 180.140+/-0.032 χ^2/NDF:1638846.4/20

+ sign 202.553+/-0.030 χ^2/NDF: 2444936.7/37

All: 188.554+/-0.020 χ^2/NDF: 6155422.6/77

- 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: -4.261+/-3.772 χ^2/NDF:12.3/21

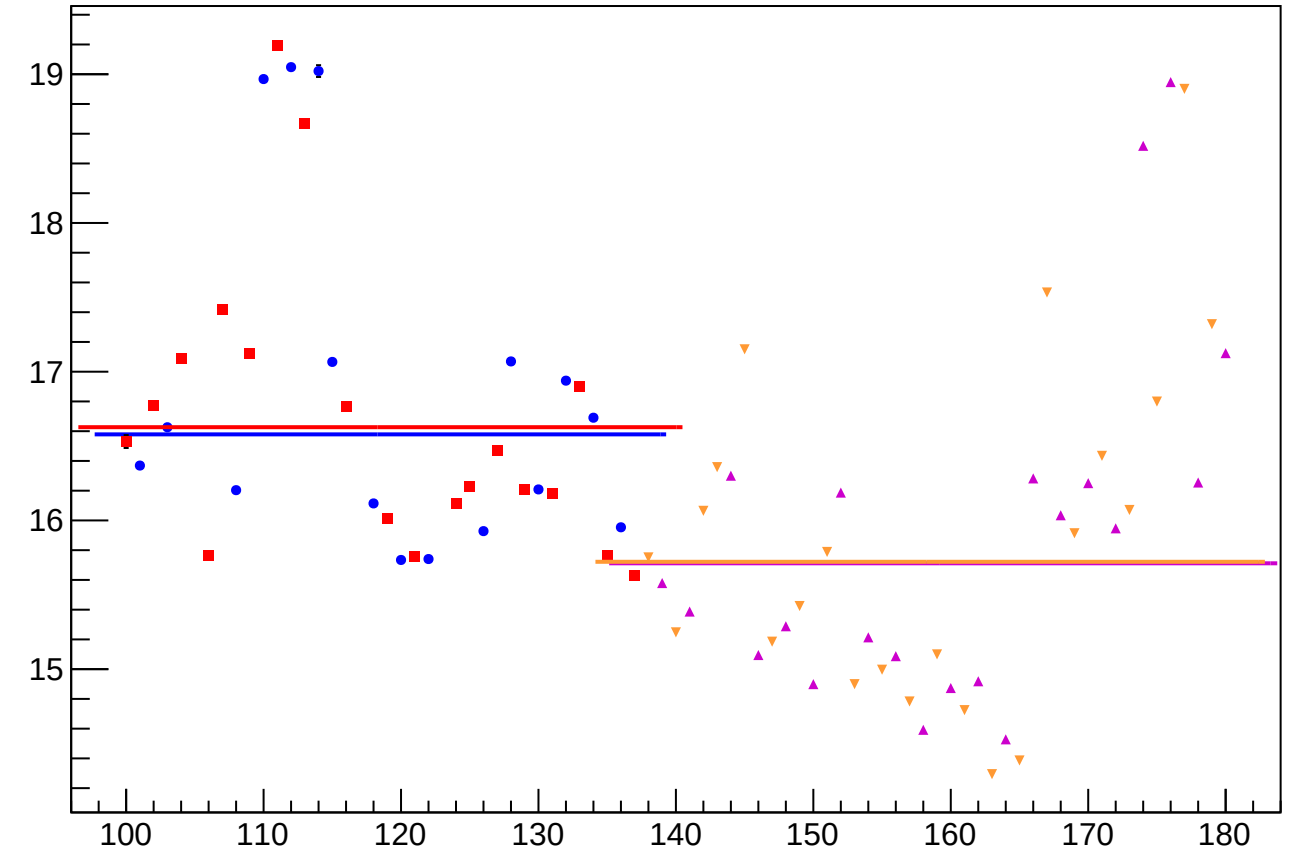
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 6.702+/-3.796 χ^2/NDF:29.1/20

\+ sign -2.035+/-3.219 χ^2/NDF: 18.0/37

All: 1.292+/-2.276 χ^2/NDF: 66.3/77

\- 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: 15.722+/-0.003 χ^2/NDF:159190.8/21

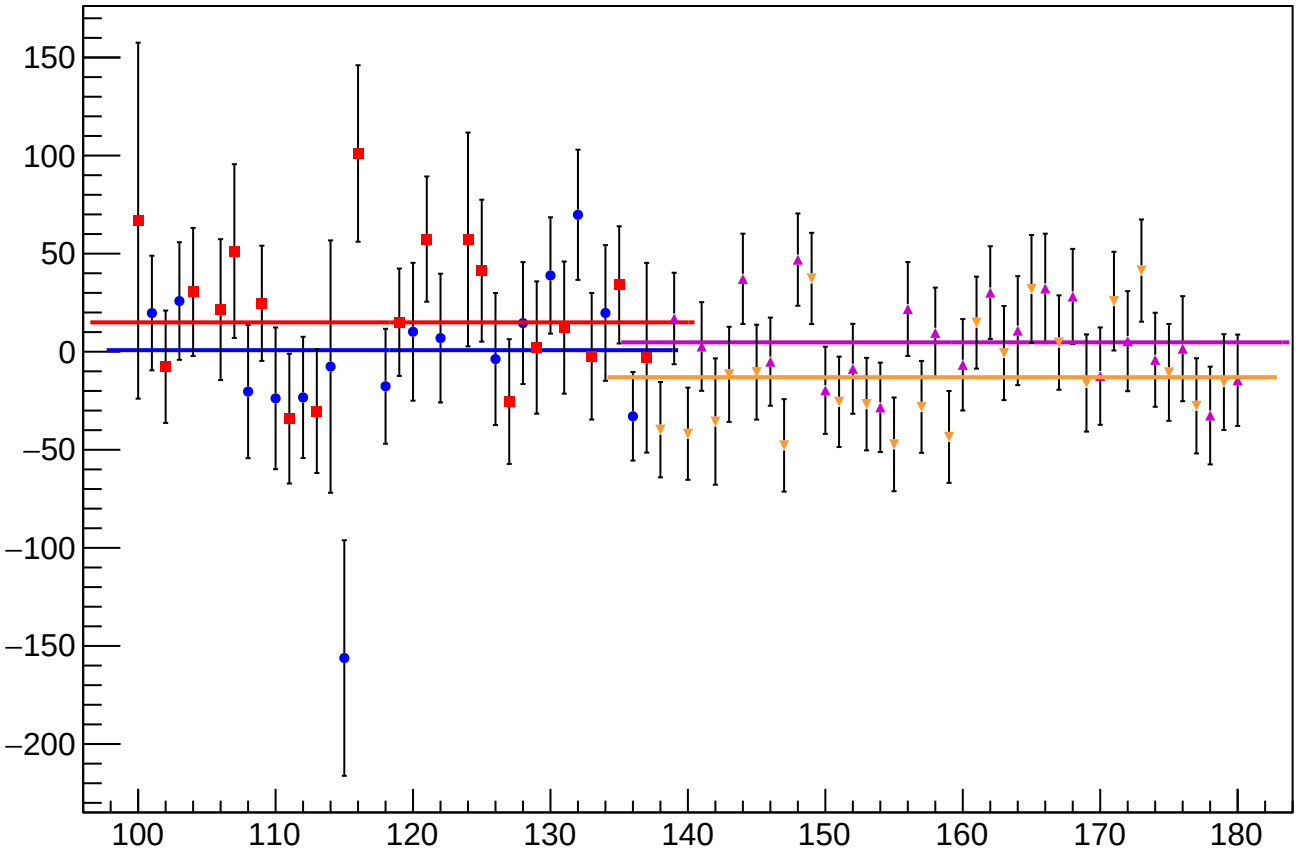
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.712+/-0.003 χ^2/NDF:142651.9/20

+ sign 15.955+/-0.002 χ^2/NDF: 231823.2/37

All: 15.962+/-0.002 χ^2/NDF: 450584.5/77

- 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: -12.985+/-5.206 χ^2/NDF:26.9/21

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

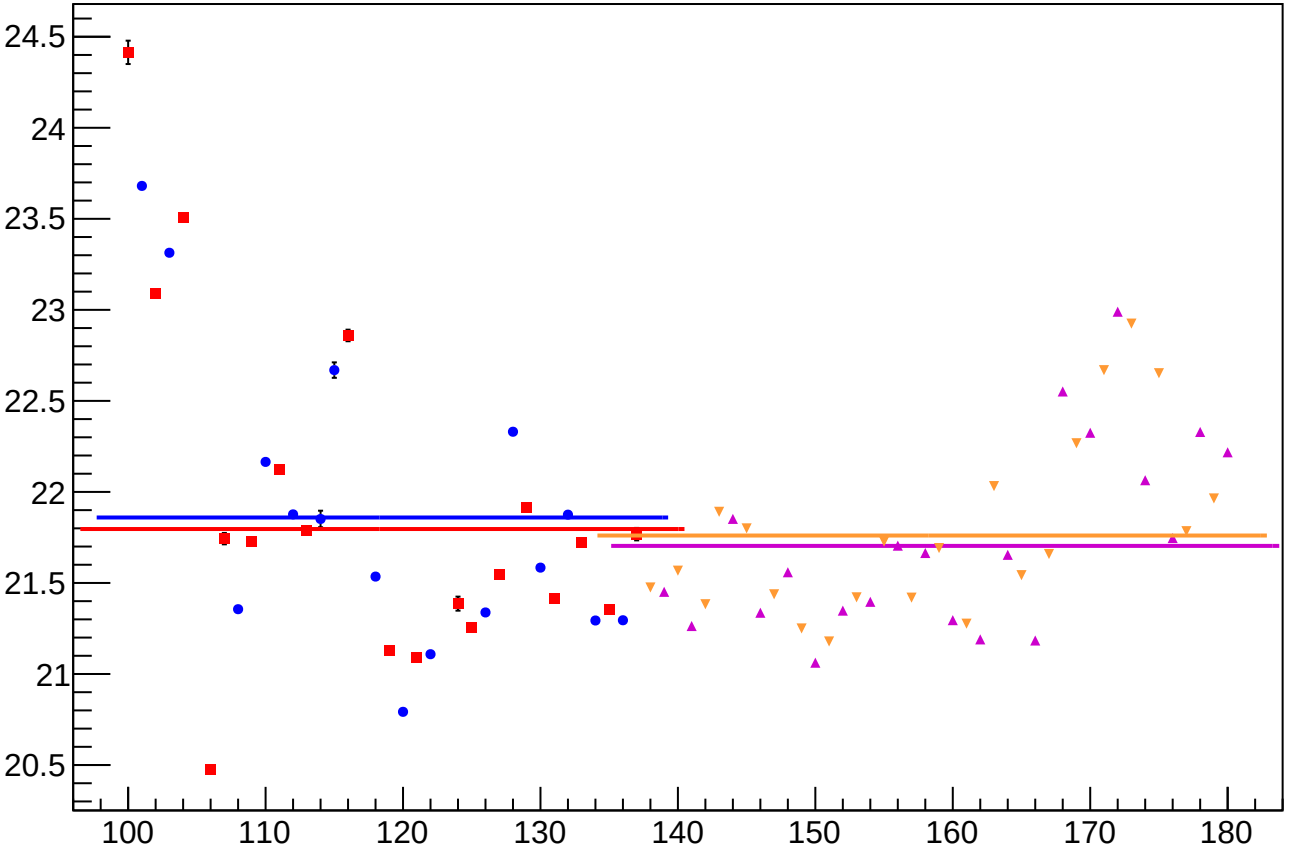
Left In: 4.791+/-5.227 χ^2/NDF:16.8/20

\+ sign -8.976+/-4.383 χ^2/NDF: 47.6/37

All: -0.527+/-3.094 χ^2/NDF: 88.3/77

\- 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: 21.761+/-0.004 χ^2/NDF:15671.7/21

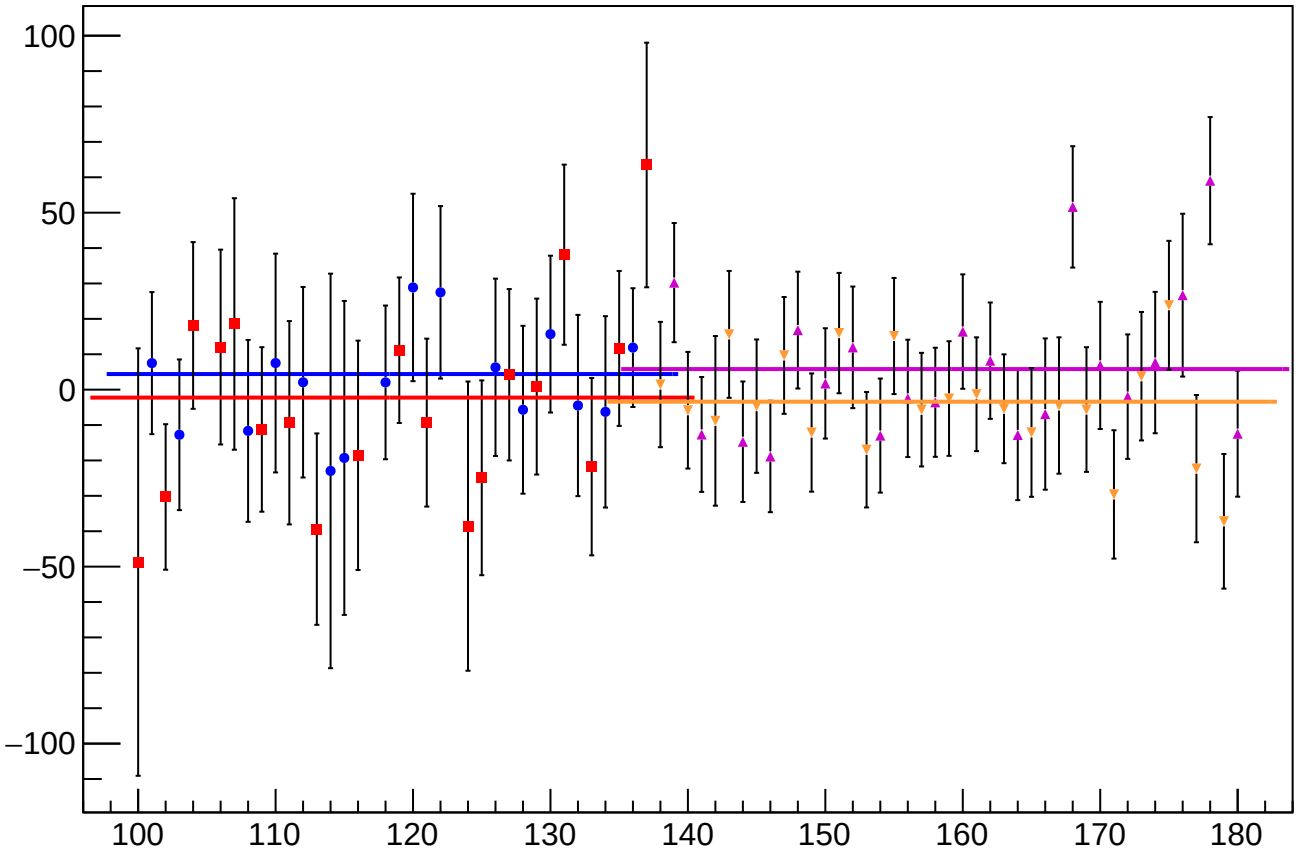
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.704+/-0.004 χ^2/NDF:17934.7/20

\+ sign 21.789+/-0.003 χ^2/NDF: 35350.4/37

All: 21.760+/-0.002 χ^2/NDF: 72510.8/77

\- 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: -3.403+/-3.736 χ^2/NDF:14.2/21

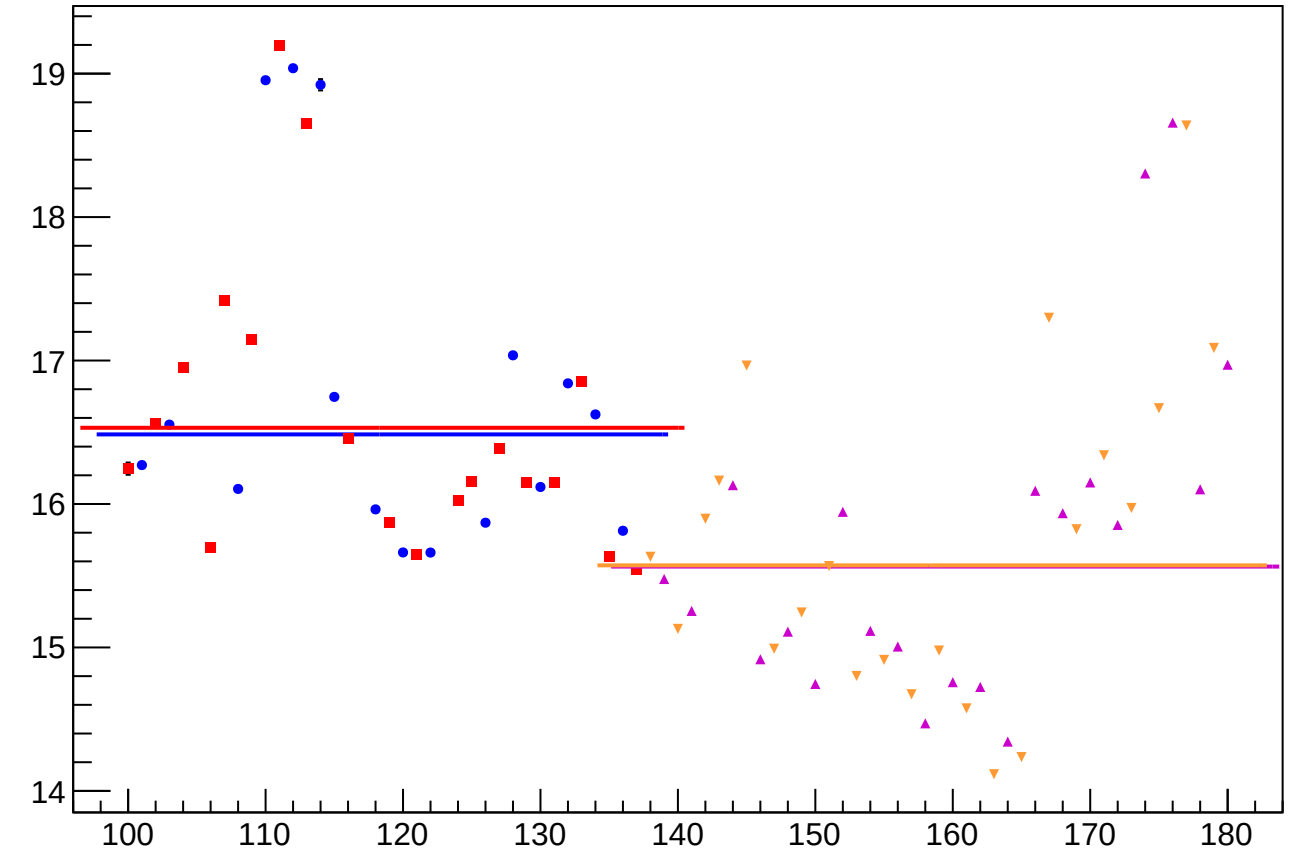
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 5.813+/-3.760 χ^2/NDF:29.8/20

\+ sign -1.292+/-3.191 χ^2/NDF: 19.7/37

All: 1.135+/-2.257 χ^2/NDF: 67.3/77

\- 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: 15.572+/-0.003 χ^2/NDF:155697.6/21

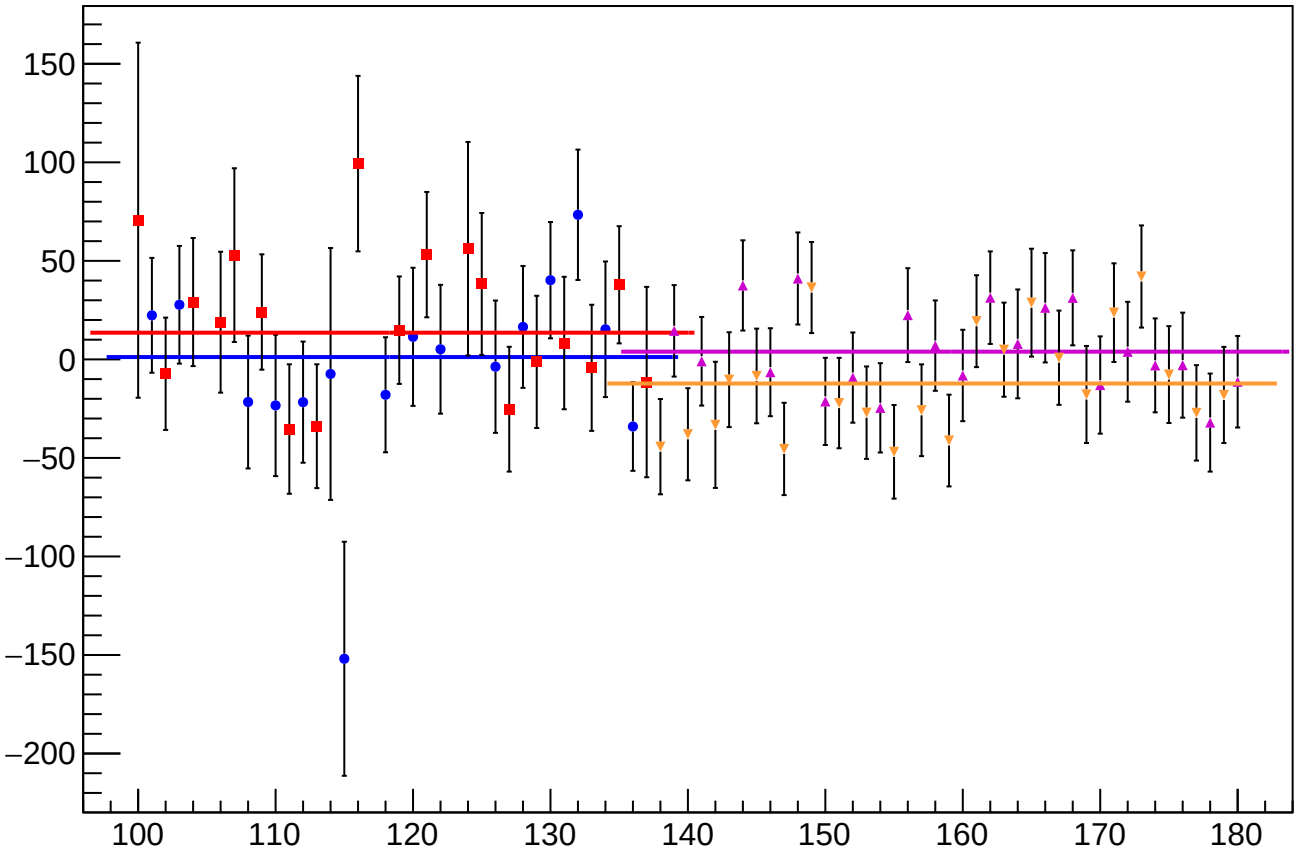
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.564+/-0.003 χ^2/NDF:140193.8/20

\+ sign 15.819+/-0.002 χ^2/NDF: 235166.8/37

All: 15.826+/-0.002 χ^2/NDF: 458820.4/77

\- sign 15.834+/-0.002 χ^2/NDF: 223632.3/39



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -12.241+/-5.177 χ^2/NDF:26.4/21

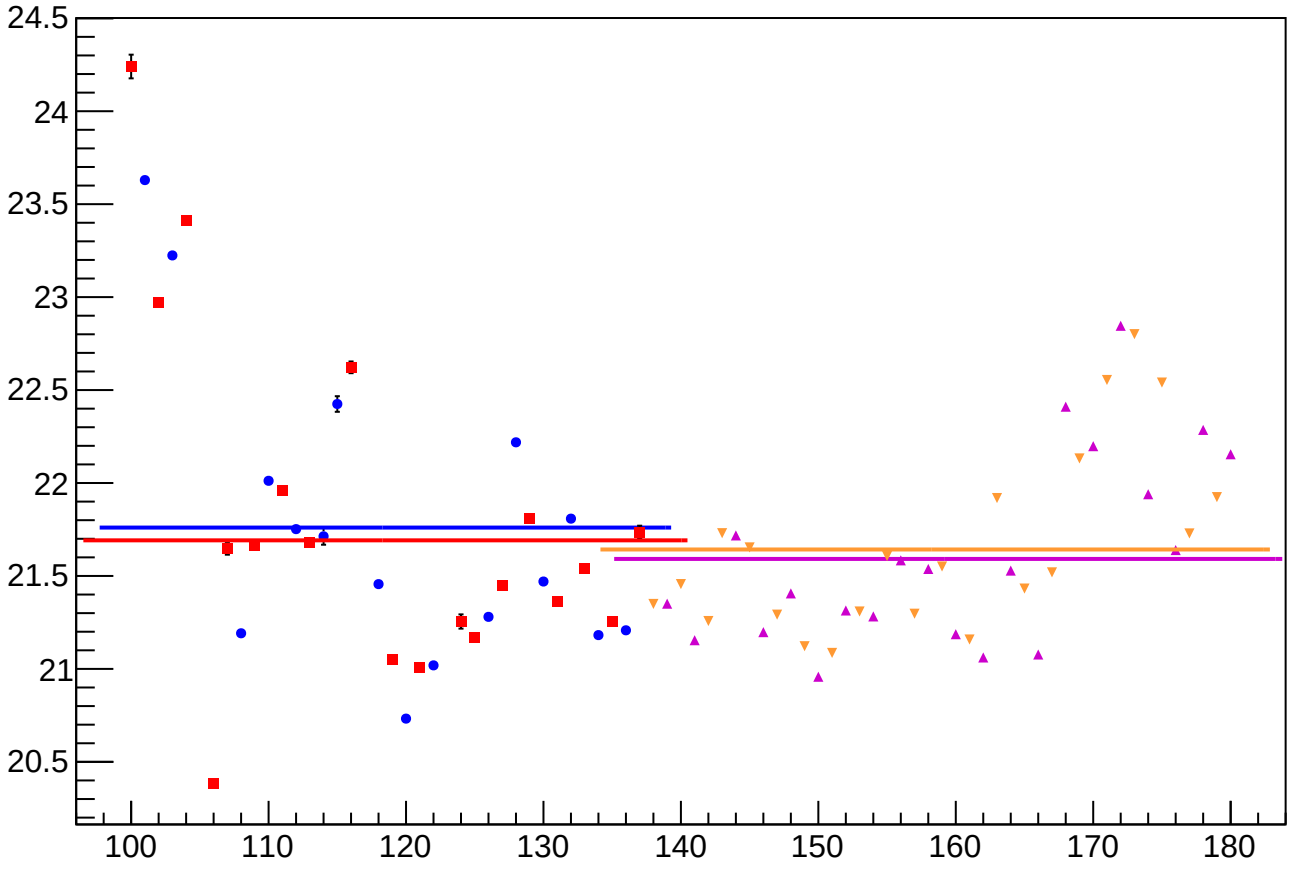
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 3.918+/-5.200 χ^2/NDF:15.7/20

\+ sign -8.338+/-4.360 χ^2/NDF: 47.7/37

All: -0.733+/-3.078 χ^2/NDF: 86.5/77

\- sign 6.822+/-4.346 χ^2/NDF: 32.7/39



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.642+/-0.004 χ^2/NDF:15961.7/21

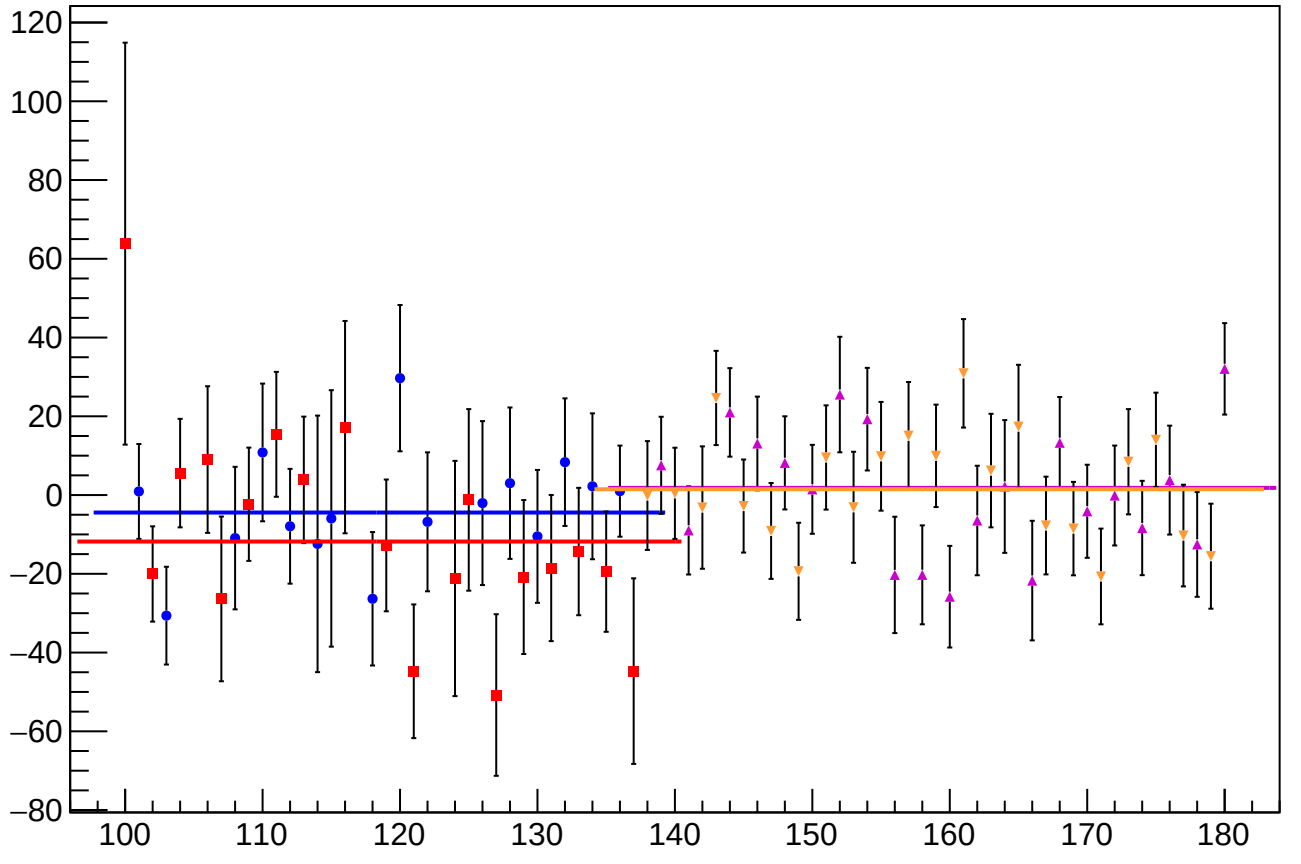
Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.592+/-0.004 χ^2/NDF:18003.3/20

+ sign 21.677+/-0.003 χ^2/NDF: 36008.6/37

All: 21.649+/-0.002 χ^2/NDF: 72724.9/77

- sign 21.622+/-0.003 χ^2/NDF: 36557.0/39



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.473+/-2.771 χ^2/NDF:24.0/21

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

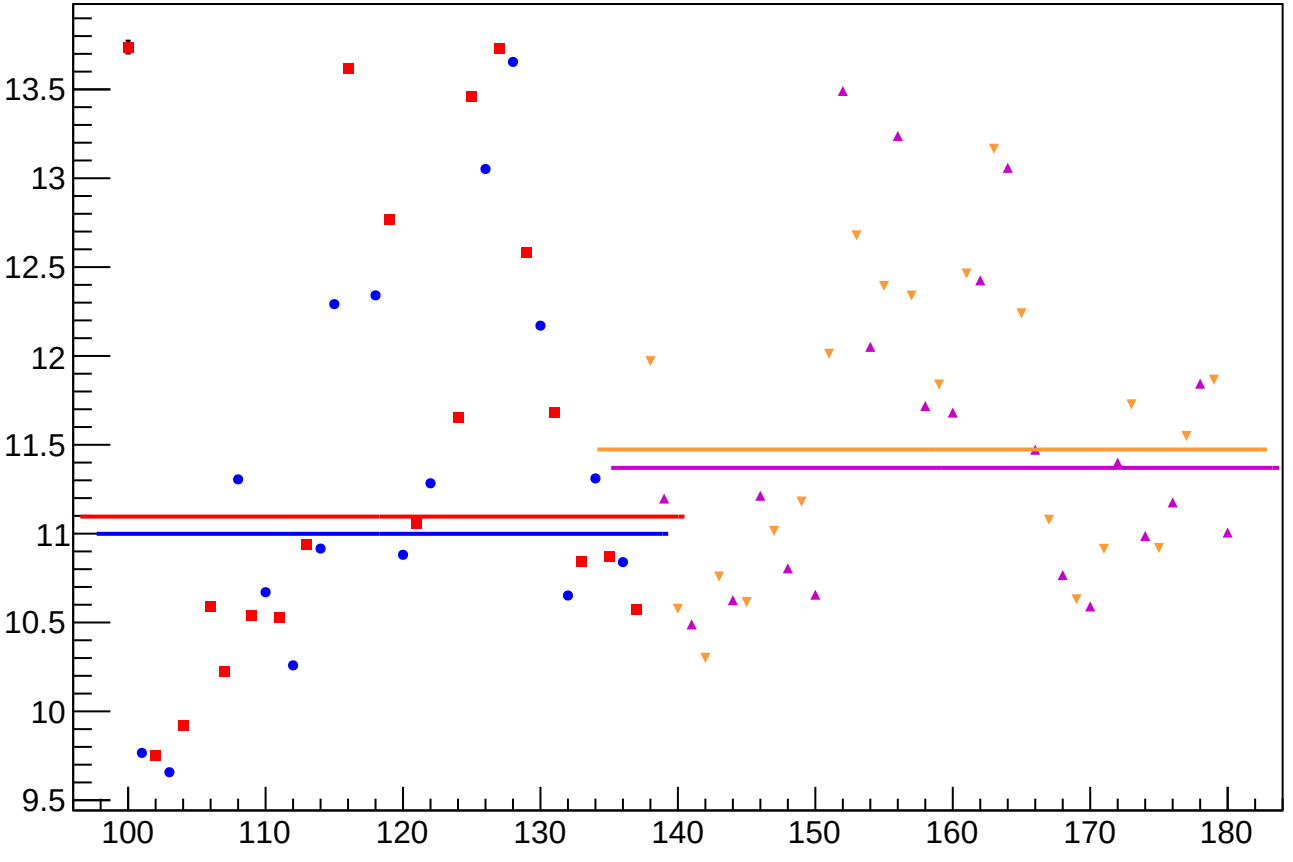
Left In: 1.822+/-2.762 χ^2/NDF:32.2/20

+ sign -0.362+/-2.301 χ^2/NDF: 37.4/37

All: -1.404+/-1.623 χ^2/NDF: 99.4/77

- 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: 11.474+/-0.002 χ^2/NDF:149885.1/21

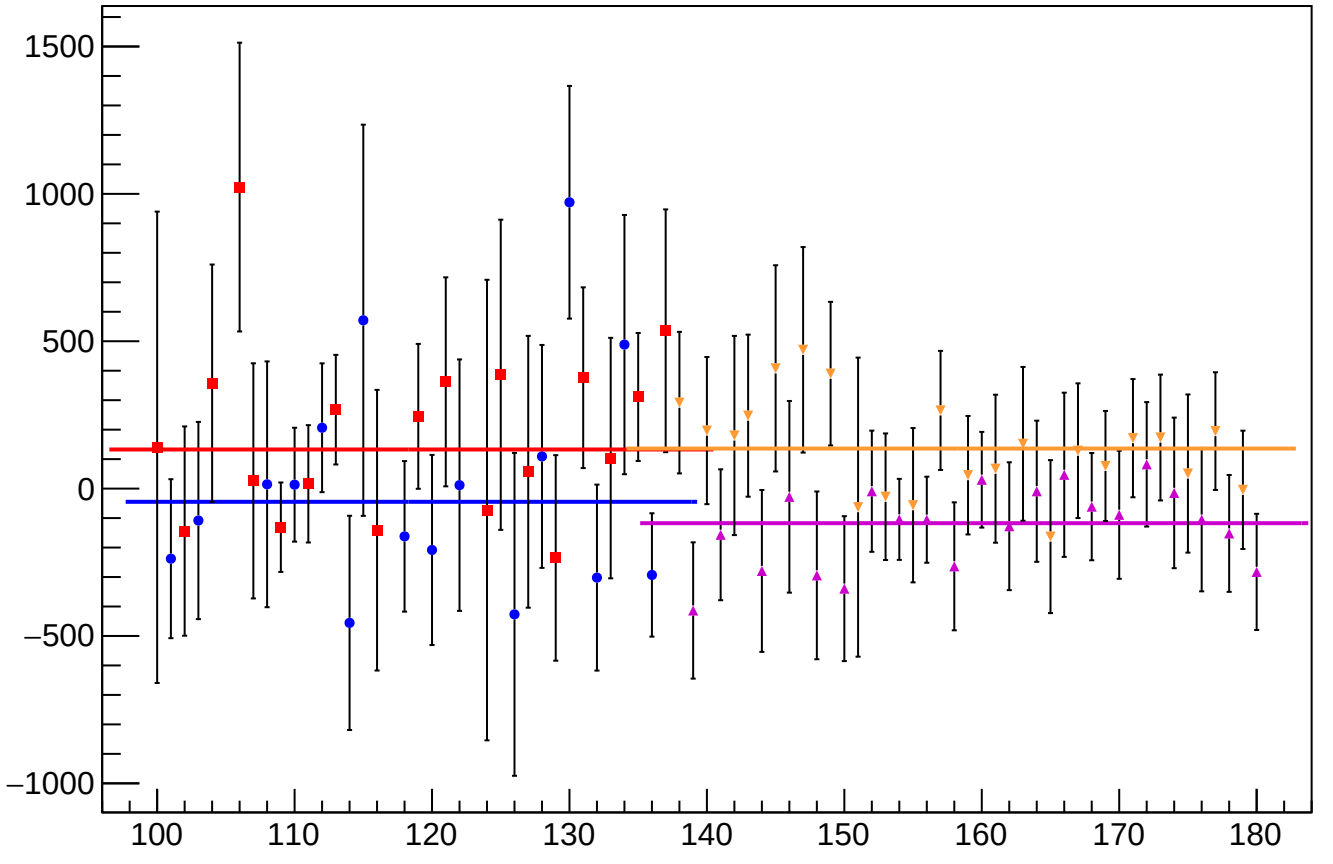
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.370+/-0.002 χ^2/NDF:169112.6/20

+ sign 11.326+/-0.002 χ^2/NDF: 304251.0/37

All: 11.305+/-0.001 χ^2/NDF: 642762.7/77

- 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: 135.971+/-51.172 χ^2/NDF:7.4/21

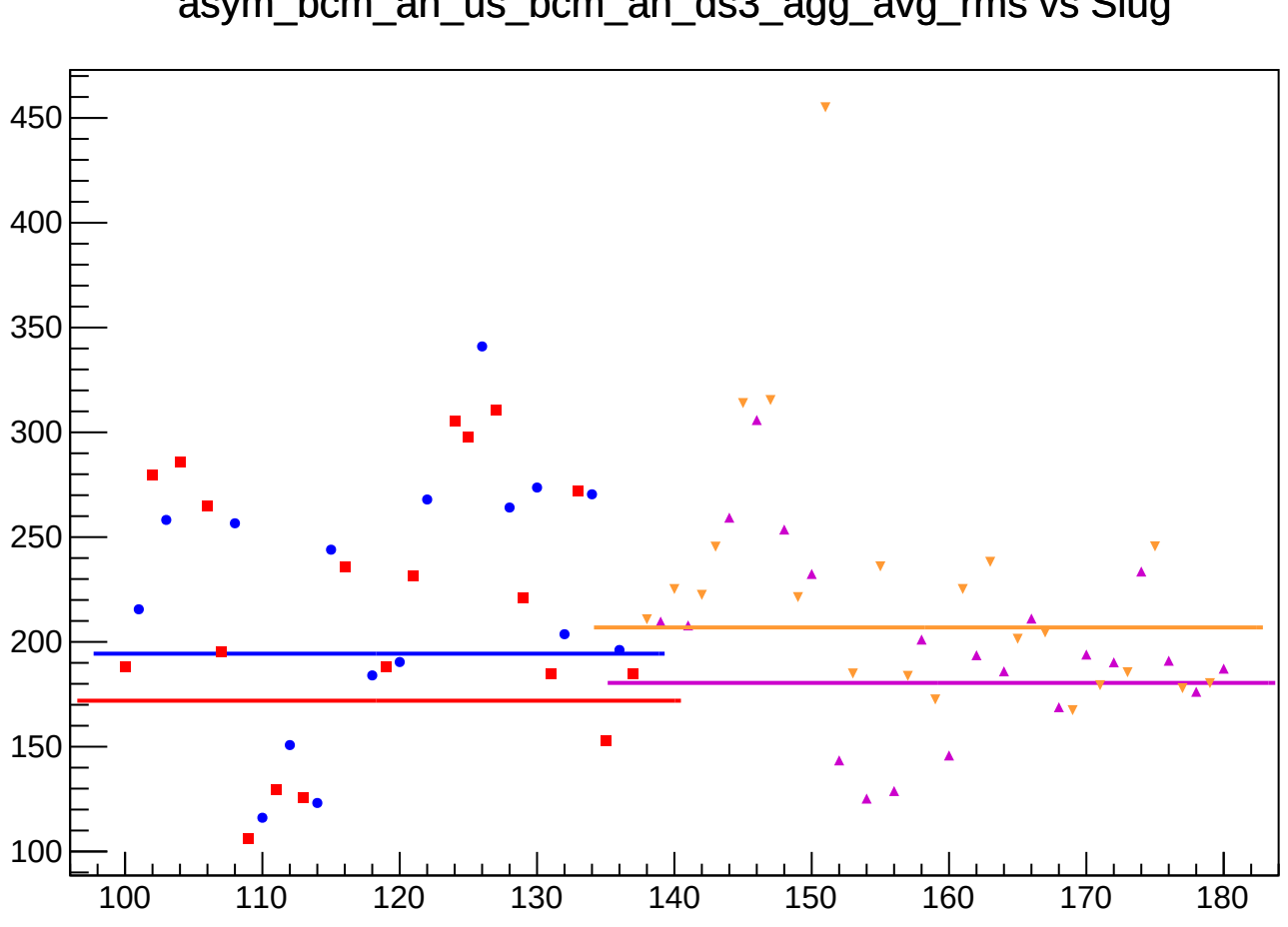
Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: -117.331+/-45.543 χ^2/NDF:7.3/20

+ sign 80.013+/-42.520 χ^2/NDF: 26.7/37

All: 12.935+/-28.287 χ^2/NDF: 60.6/77

- 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: 206.893+/-0.036 χ^2/NDF:1358158.4/21

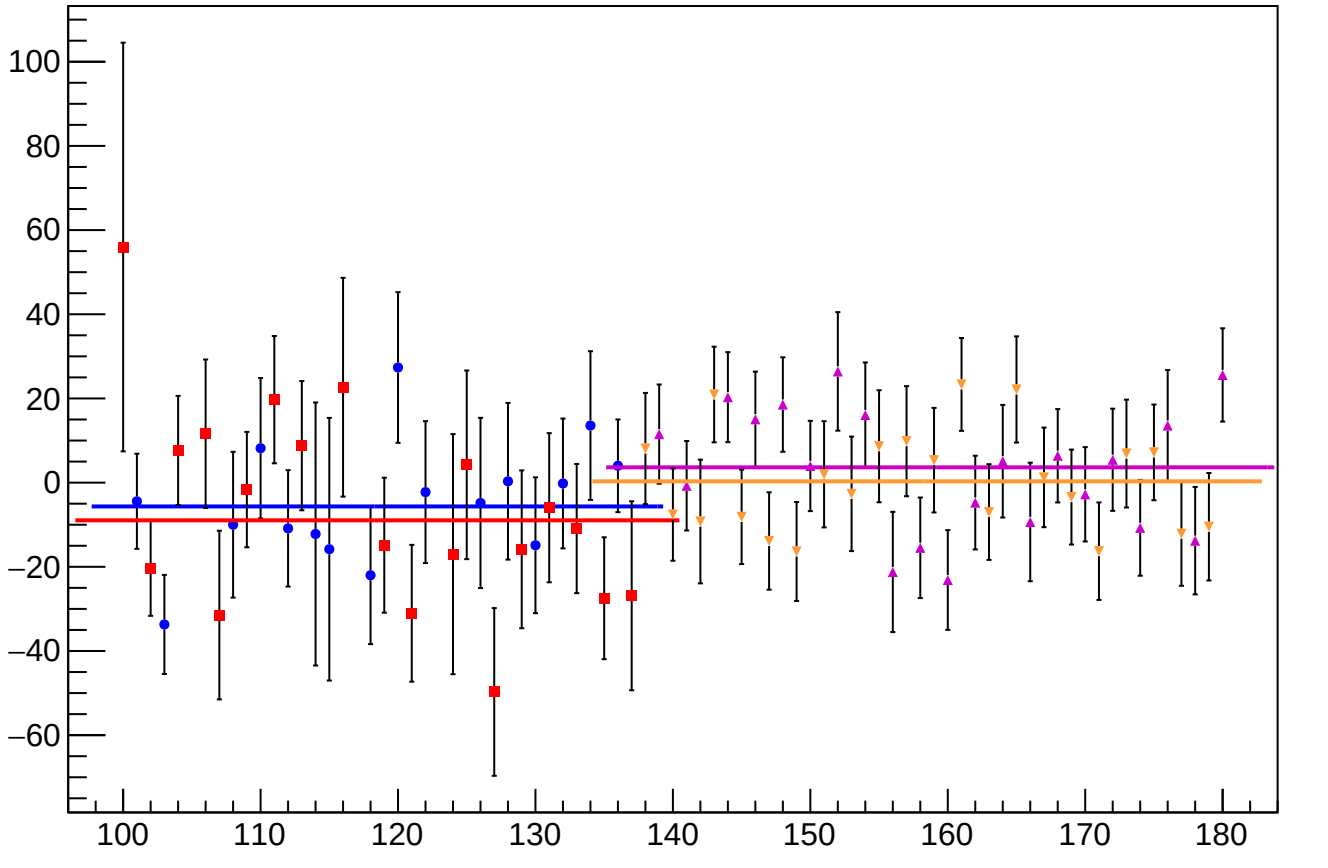
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.440+/-0.032 χ^2/NDF:1639362.3/20

+ sign 203.021+/-0.030 χ^2/NDF: 2437174.0/37

All: 188.976+/-0.020 χ^2/NDF: 6140781.2/77

- 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: 0.310+/-2.582 χ^2/NDF:22.1/21

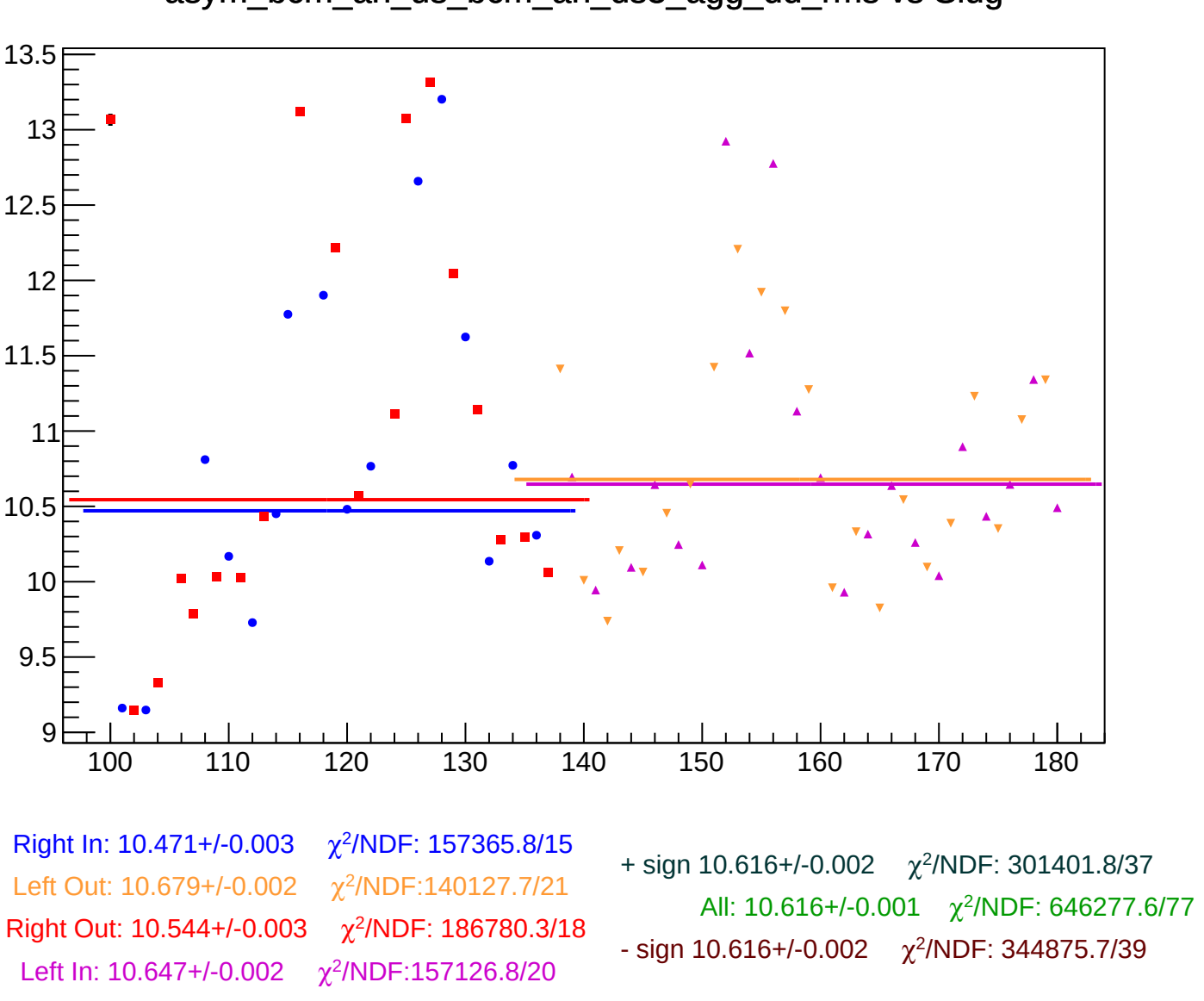
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

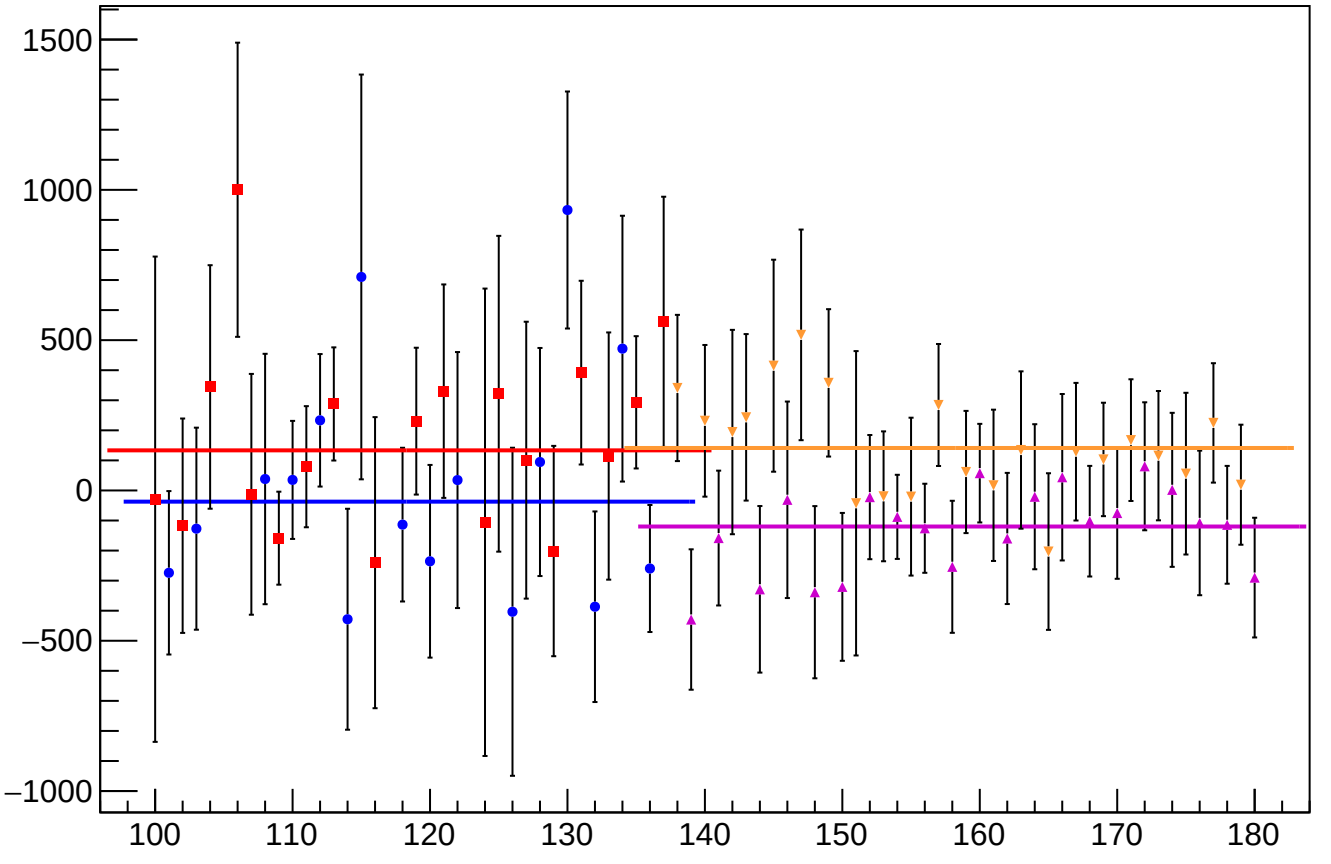
Left In: 3.632+/-2.590 χ^2/NDF:29.9/20

+ sign -1.483+/-2.160 χ^2/NDF: 37.4/37

All: -0.851+/-1.526 χ^2/NDF: 97.5/77

- sign -0.221+/-2.158 χ^2/NDF: 60.0/39


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
100
110
120
130
140
150
160
170
180
Right In: 10.471+/-0.003 χ²/NDF: 157365.8/15
Left Out: 10.679+/-0.002 χ²/NDF:140127.7/21
Right Out: 10.544+/-0.003 χ²/NDF: 186780.3/18
Left In: 10.647+/-0.002 χ²/NDF:157126.8/20
+ sign 10.616+/-0.002 χ²/NDF: 301401.8/37
All: 10.616+/-0.001 χ²/NDF: 646277.6/77
- sign 10.616+/-0.002 χ²/NDF: 344875.7/39



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 141.275+/-51.433 χ^2/NDF:7.9/21

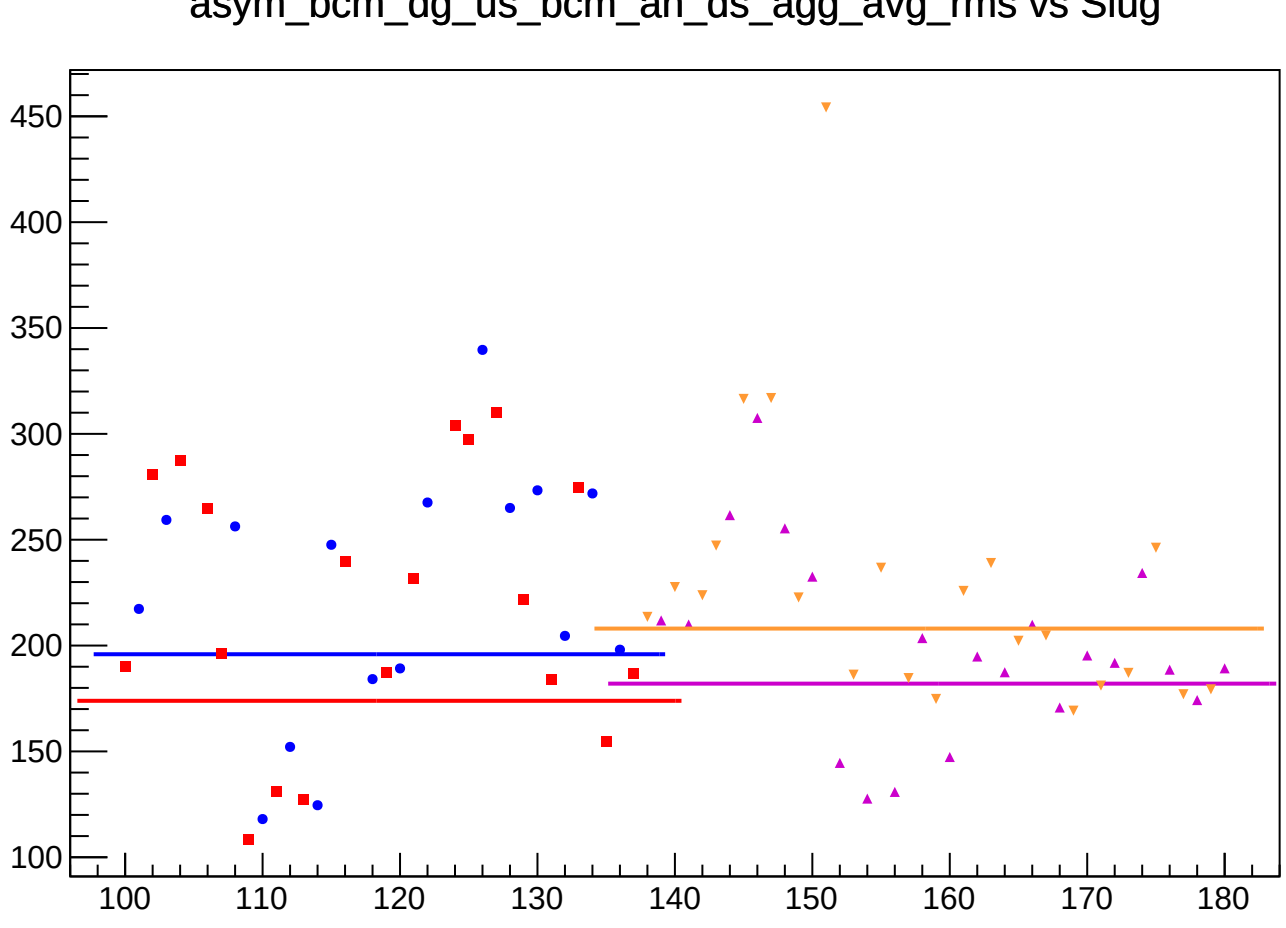
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -119.965+/-45.891 χ^2/NDF:7.9/20

+ sign 86.114+/-42.755 χ^2/NDF: 27.3/37

All: 14.810+/-28.483 χ^2/NDF: 62.5/77

- sign -42.087+/-38.192 χ^2/NDF: 30.2/39



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 208.026+/-0.036 χ^2/NDF:1353038.9/21

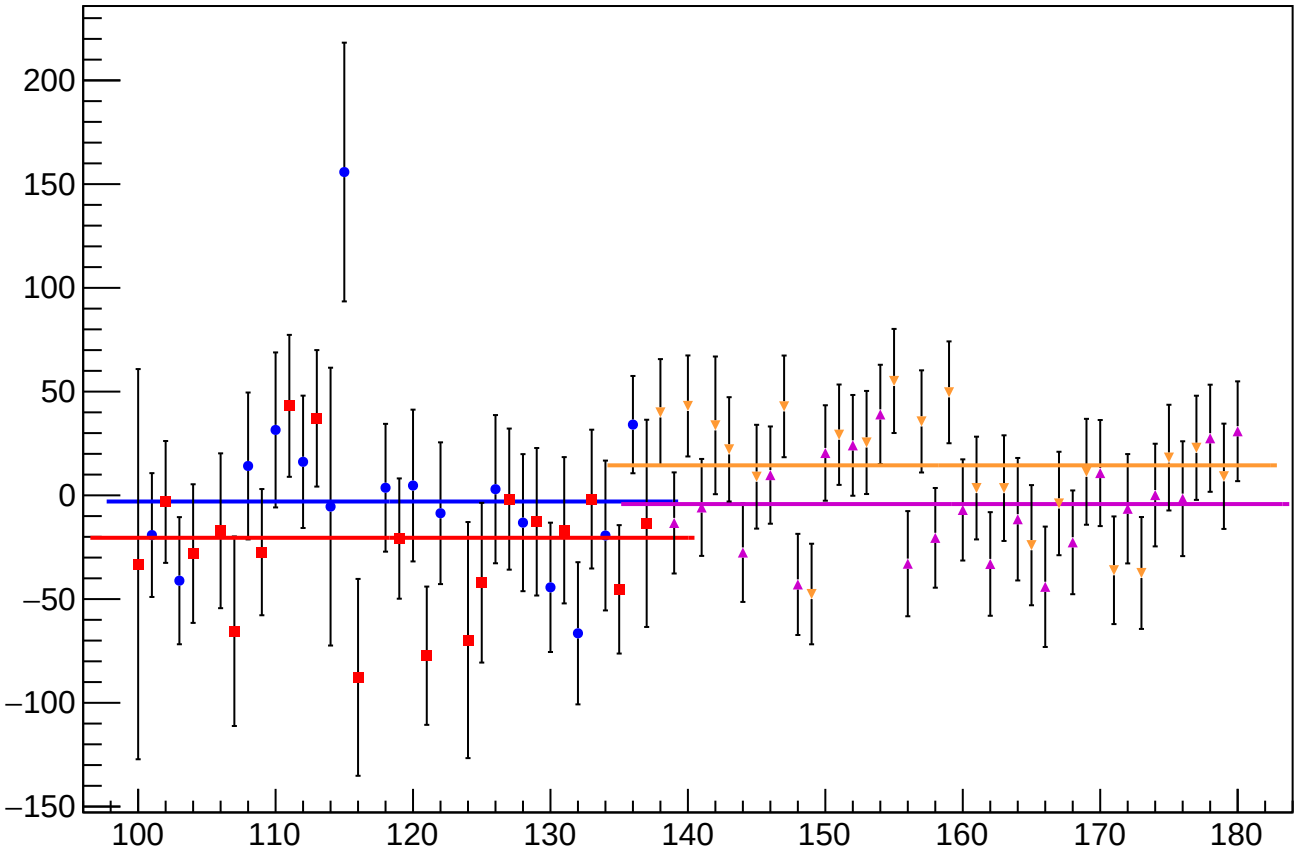
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 182.012+/-0.032 χ^2/NDF:1591040.5/20

+ sign 204.279+/-0.030 χ^2/NDF: 2398404.0/37

All: 190.508+/-0.020 χ^2/NDF: 5981321.7/77

- 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: 14.466+/-5.428 χ^2/NDF:27.1/21

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

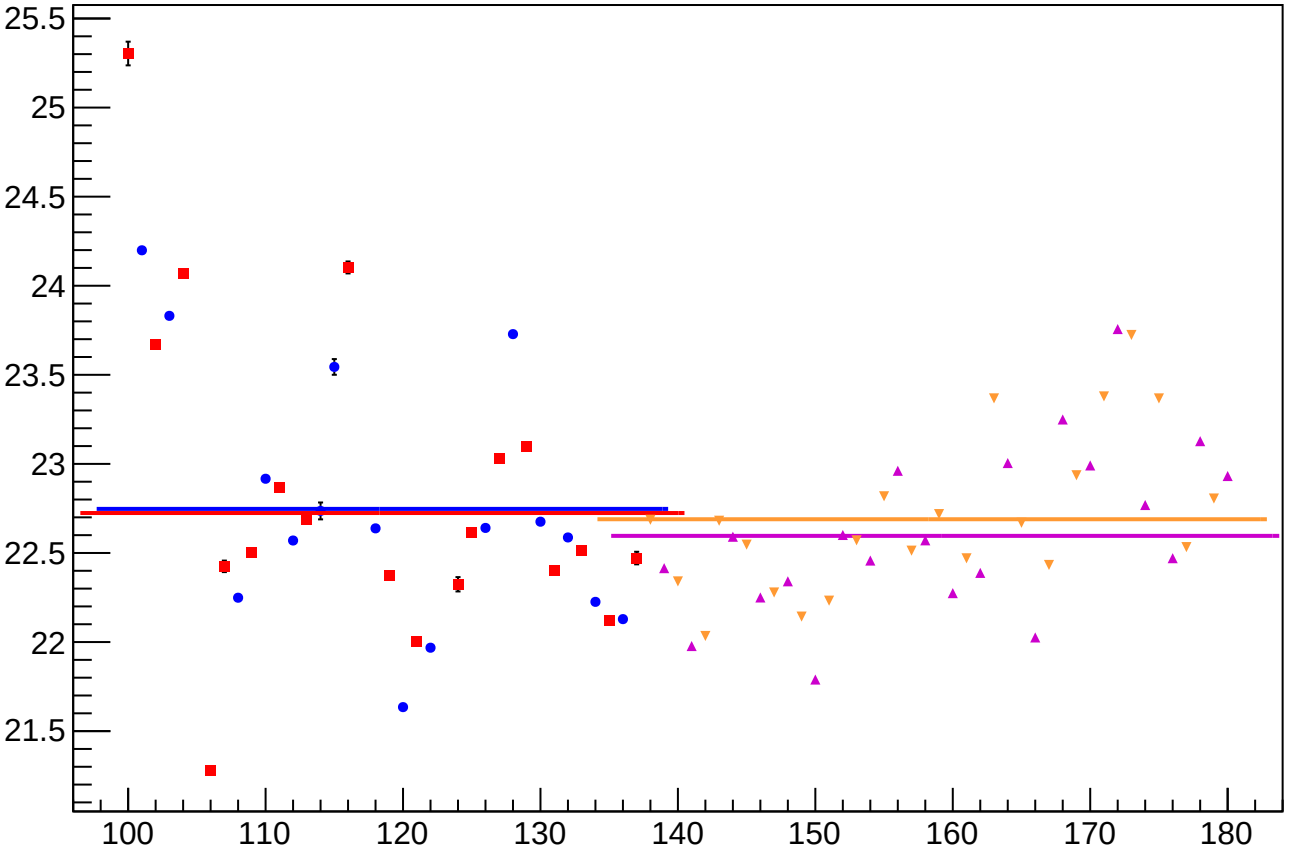
Left In: -4.204+/-5.442 χ^2/NDF:19.4/20

+ sign 9.377+/-4.568 χ^2/NDF: 48.1/37

All: 0.103+/-3.224 χ^2/NDF: 93.6/77

- sign -9.098+/-4.550 χ^2/NDF: 37.3/39

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.689+/-0.004 χ^2/NDF:11621.8/21

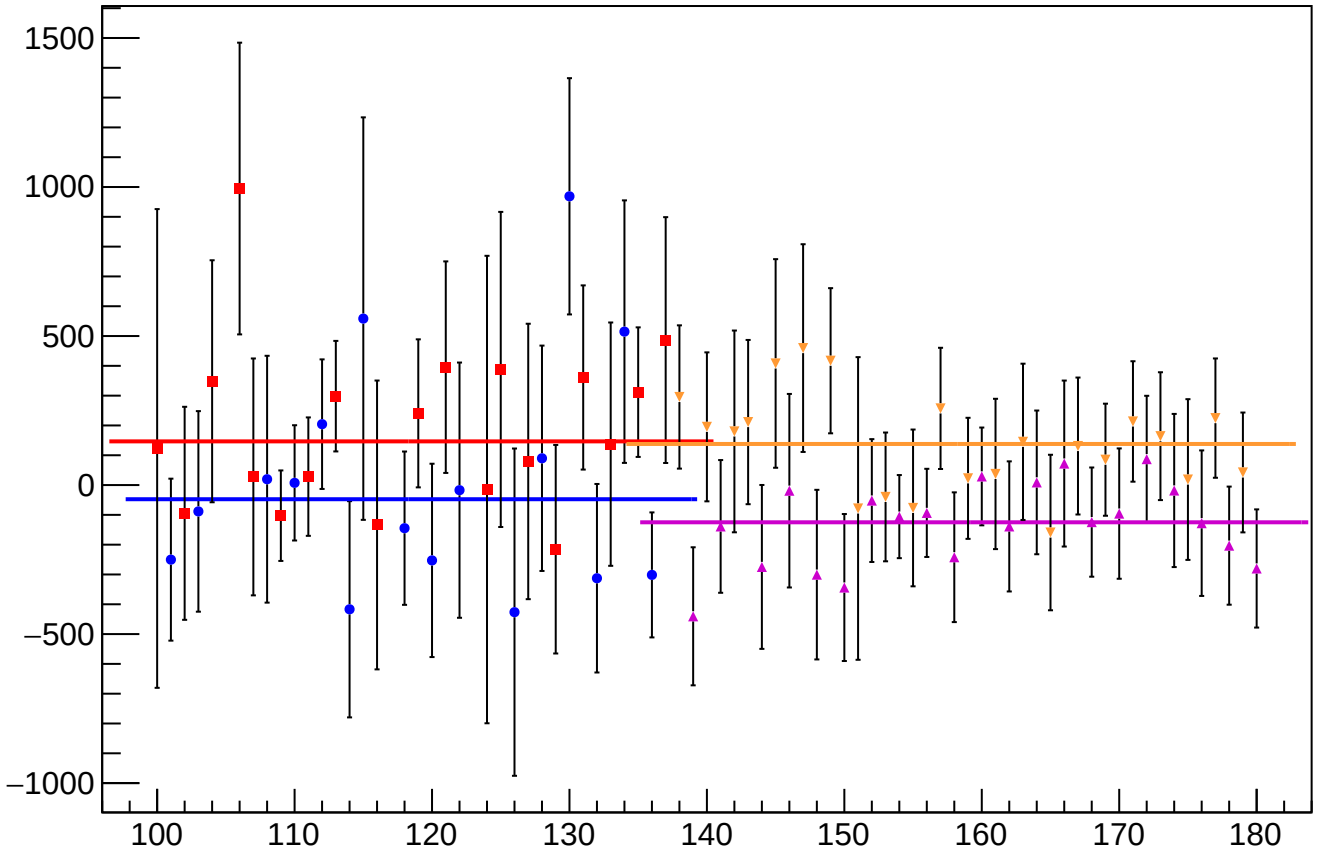
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.596+/-0.004 χ^2/NDF:13851.7/20

+ sign 22.706+/-0.003 χ^2/NDF: 26311.6/37

All: 22.670+/-0.002 χ^2/NDF: 55235.1/77

- sign 22.635+/-0.003 χ^2/NDF: 28676.5/39



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 137.871+/-51.396 χ^2/NDF:7.8/21

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

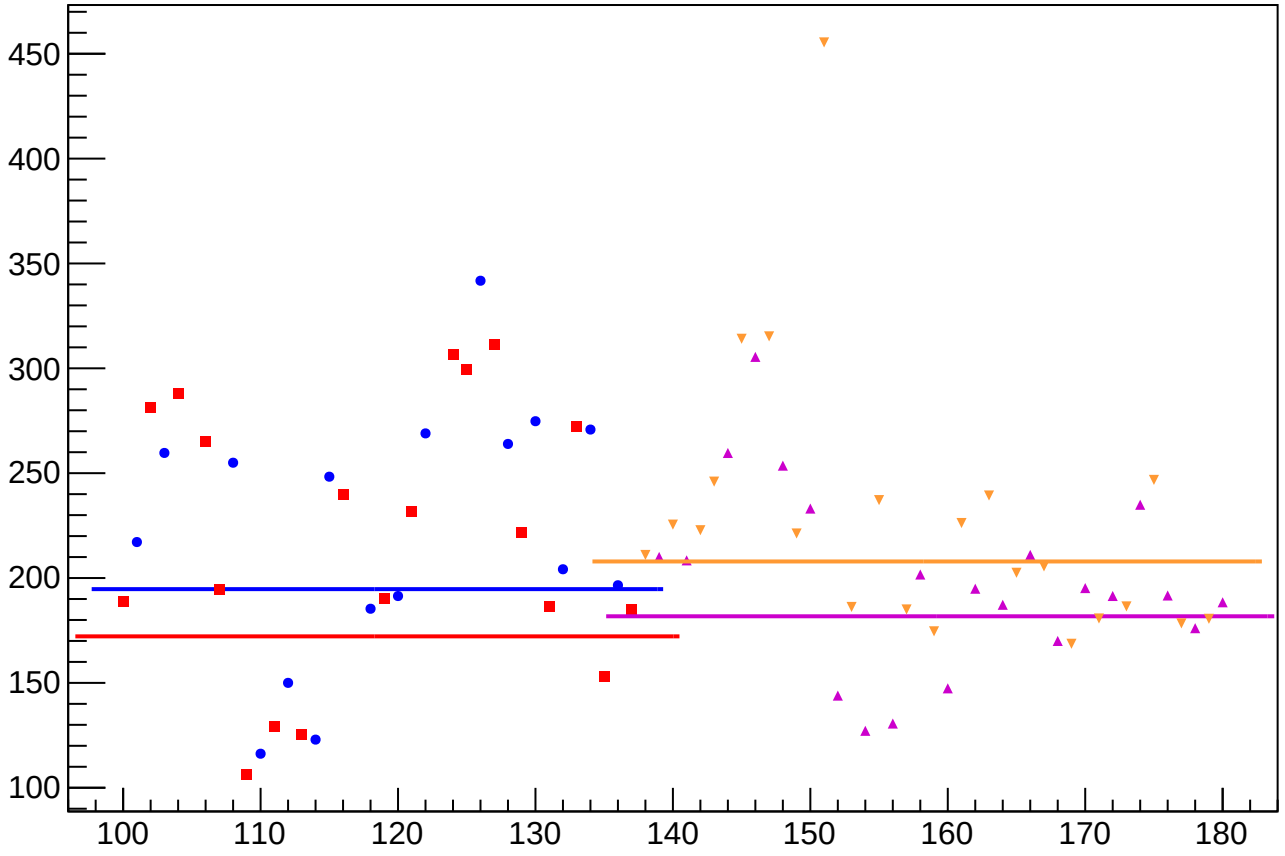
Left In: -124.938+/-45.831 χ^2/NDF:7.6/20

+ sign 80.287+/-42.674 χ^2/NDF: 27.3/37

All: 12.862+/-28.410 χ^2/NDF: 61.7/77

- sign -40.808+/-38.074 χ^2/NDF: 30.0/39

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 207.902+/-0.036 χ^2/NDF:1337311.9/21

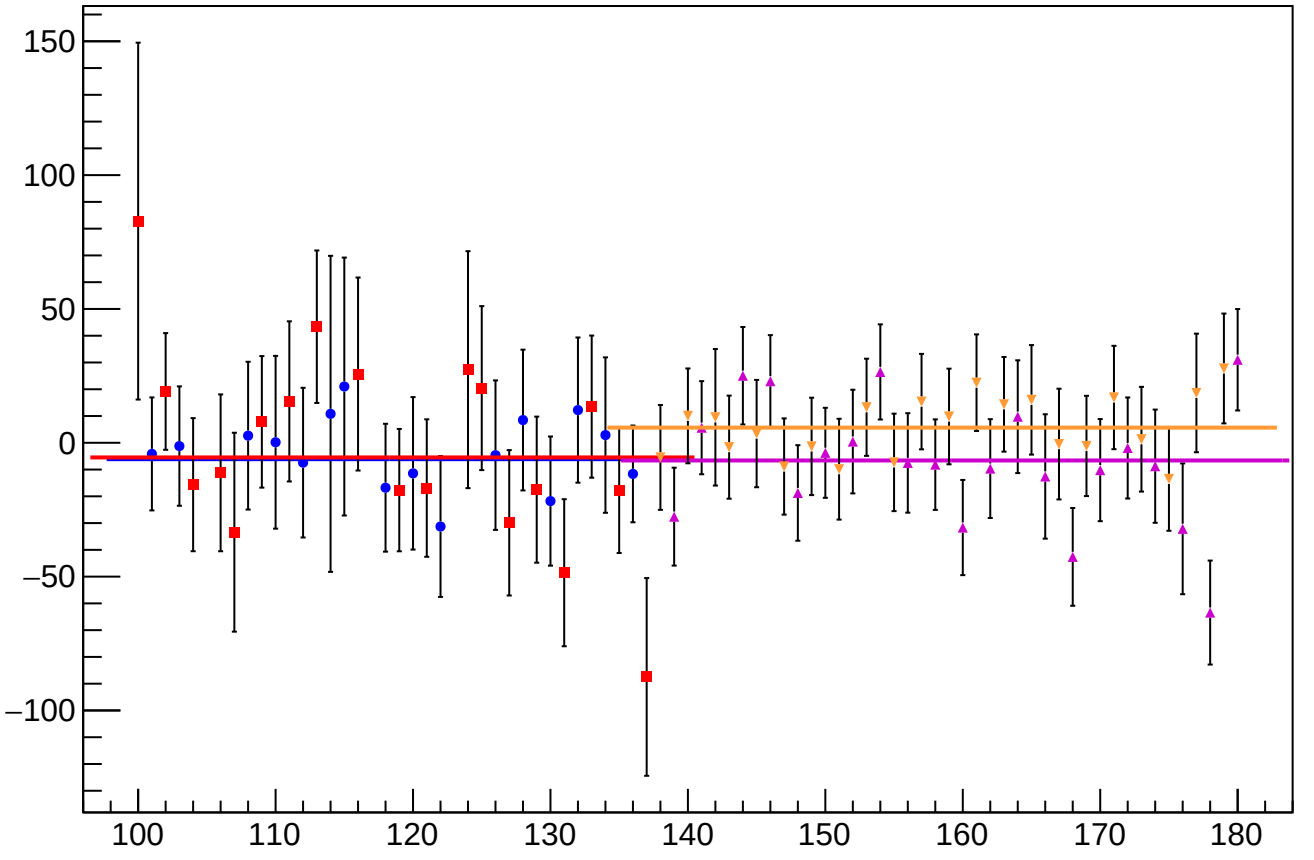
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.759+/-0.032 χ^2/NDF:1584647.7/20

+ sign 203.804+/-0.030 χ^2/NDF: 2430539.0/37

All: 189.878+/-0.020 χ^2/NDF: 6095818.2/77

- 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: 5.669+/-4.083 χ^2/NDF:7.5/21

Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

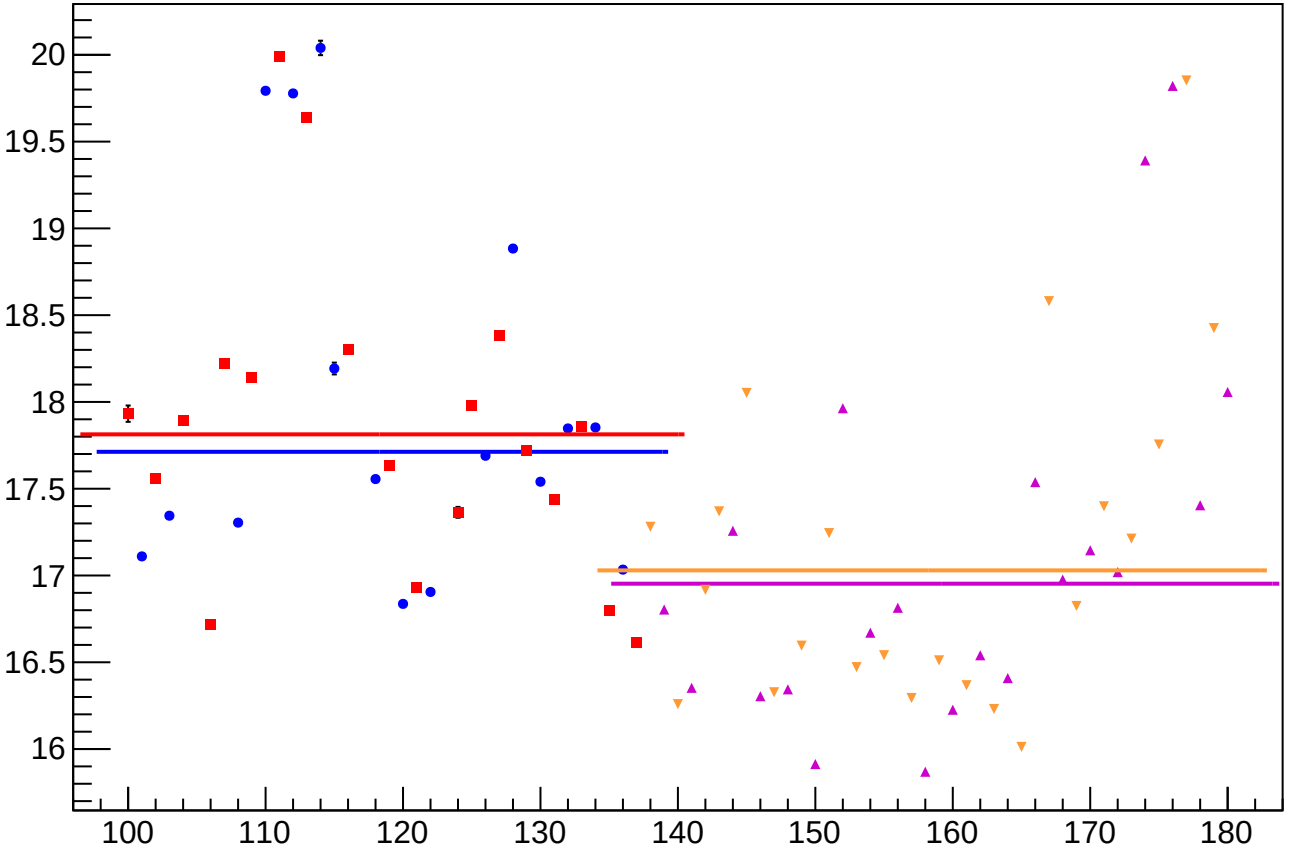
Left In: -6.604+/-4.093 χ^2/NDF:32.2/20

+ sign 2.401+/-3.471 χ^2/NDF: 13.0/37

All: -1.948+/-2.452 χ^2/NDF: 67.5/77

- sign -6.283+/-3.465 χ^2/NDF: 51.4/39

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.029+/-0.003 χ^2/NDF:91480.9/21

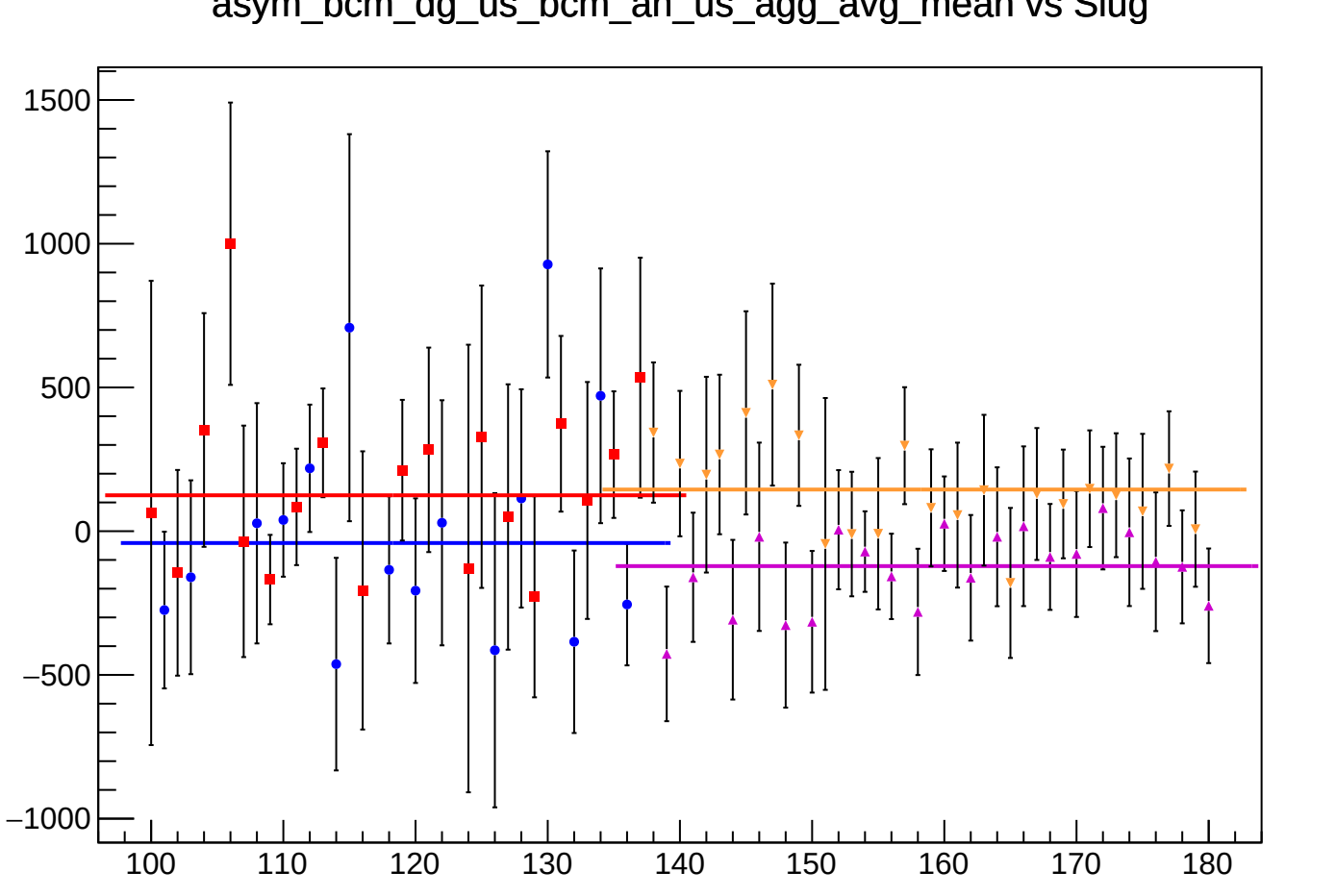
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.953+/-0.003 χ^2/NDF:99353.8/20

+ sign 17.219+/-0.002 χ^2/NDF: 142989.5/37

All: 17.208+/-0.002 χ^2/NDF: 300146.9/77

- sign 17.197+/-0.002 χ^2/NDF: 157116.3/39



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 144.848+/-51.551 χ^2/NDF:7.3/21

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

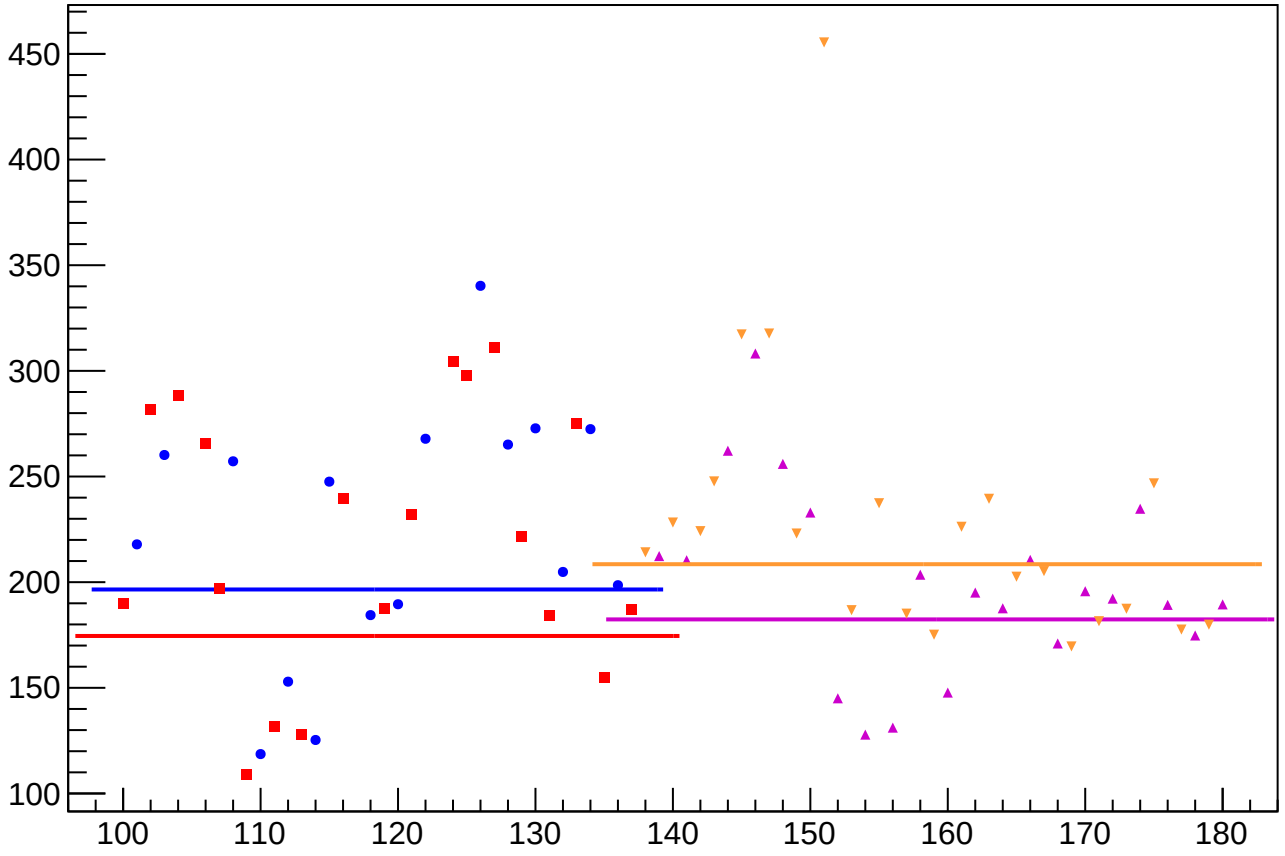
Left In: -121.431+/-45.984 χ^2/NDF:7.4/20

+ sign 87.436+/-42.861 χ^2/NDF: 27.0/37

All: 13.300+/-28.552 χ^2/NDF: 61.4/77

- sign -45.846+/-38.284 χ^2/NDF: 29.1/39

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 208.505+/-0.036 χ^2/NDF:1352212.1/21

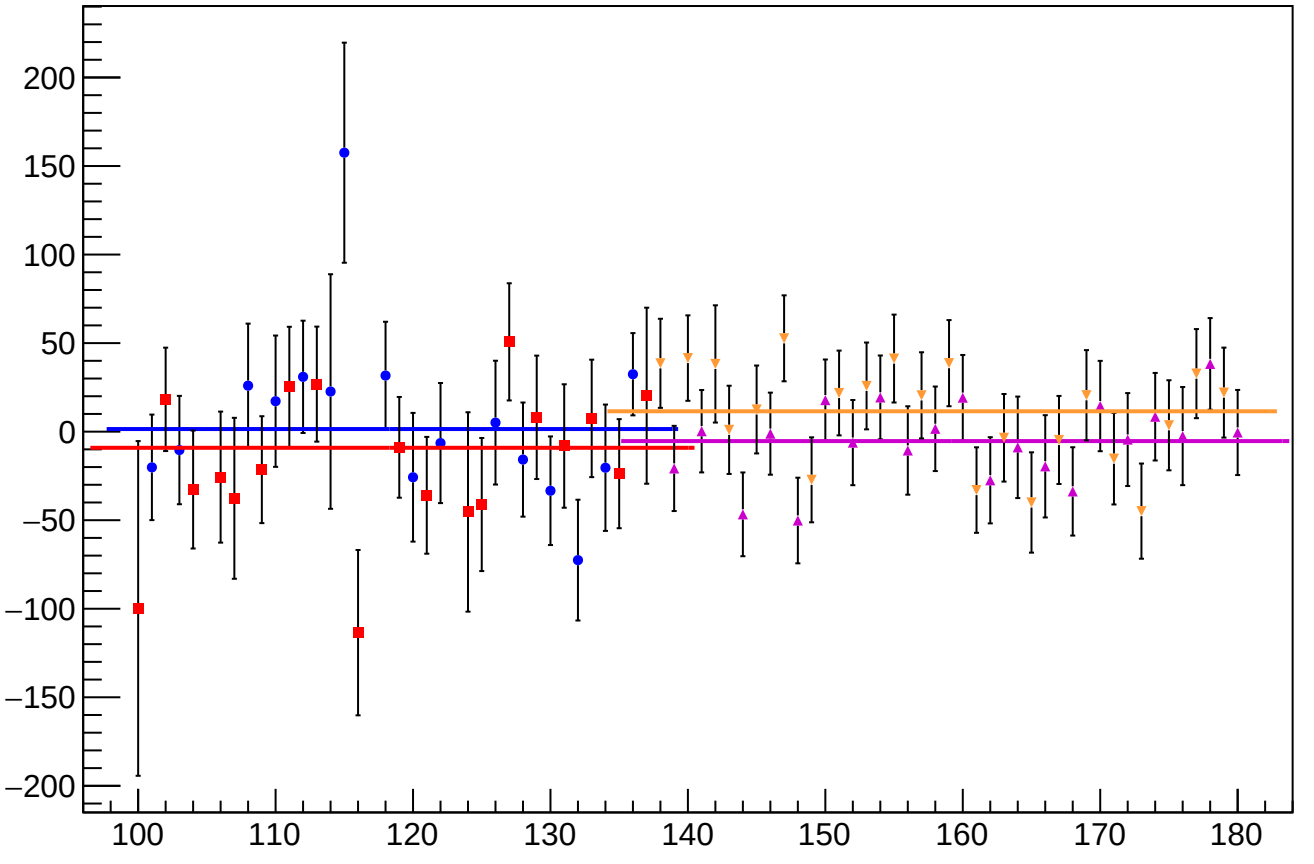
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.380+/-0.033 χ^2/NDF:1590948.1/20

+ sign 204.812+/-0.030 χ^2/NDF: 2386233.7/37

All: 190.996+/-0.020 χ^2/NDF: 5957329.3/77

- 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: 11.505+/-5.376 χ^2/NDF:26.5/21

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

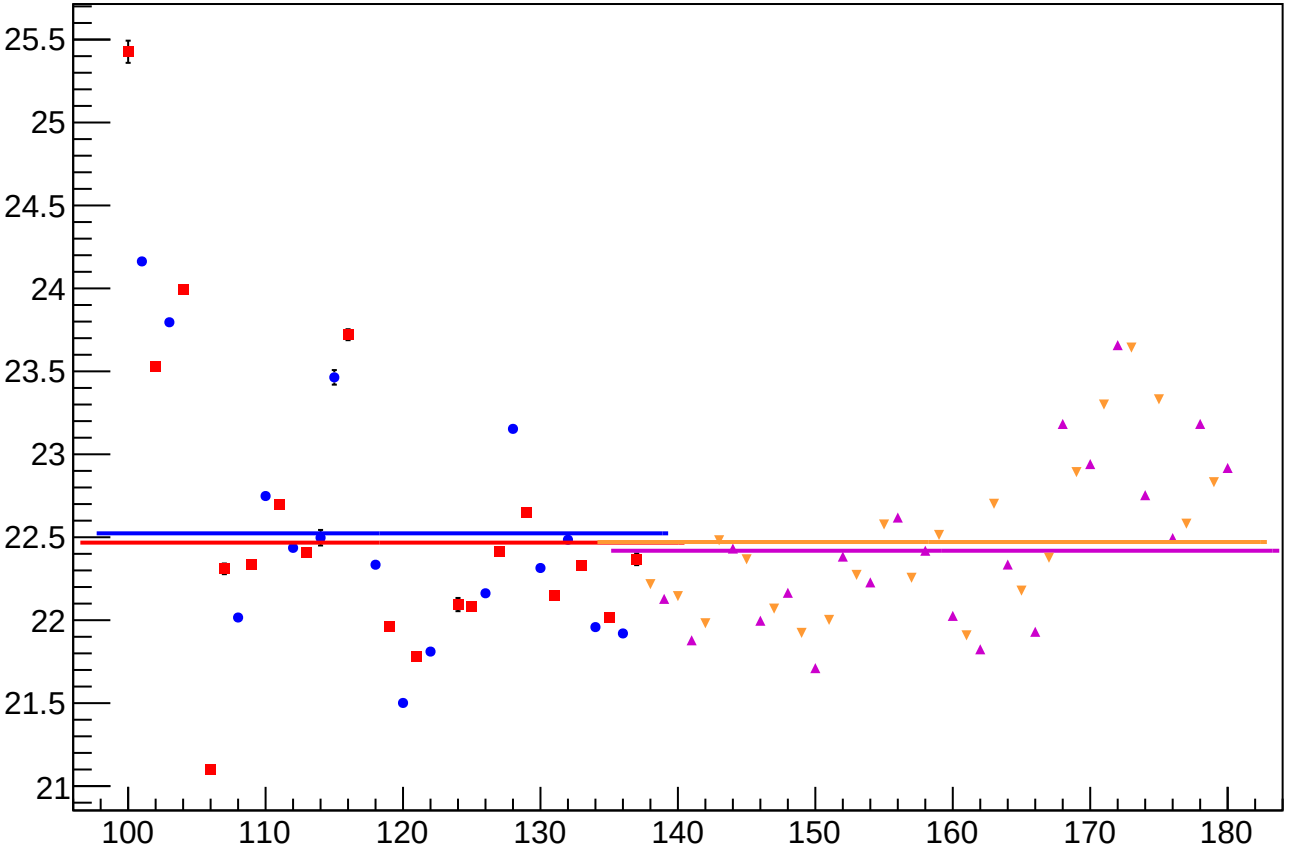
Left In: -5.326+/-5.399 χ^2/NDF:16.5/20

+ sign 8.576+/-4.523 χ^2/NDF: 46.1/37

All: 1.029+/-3.193 χ^2/NDF: 84.8/77

- 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: 22.471+/-0.004 χ^2/NDF:14370.0/21

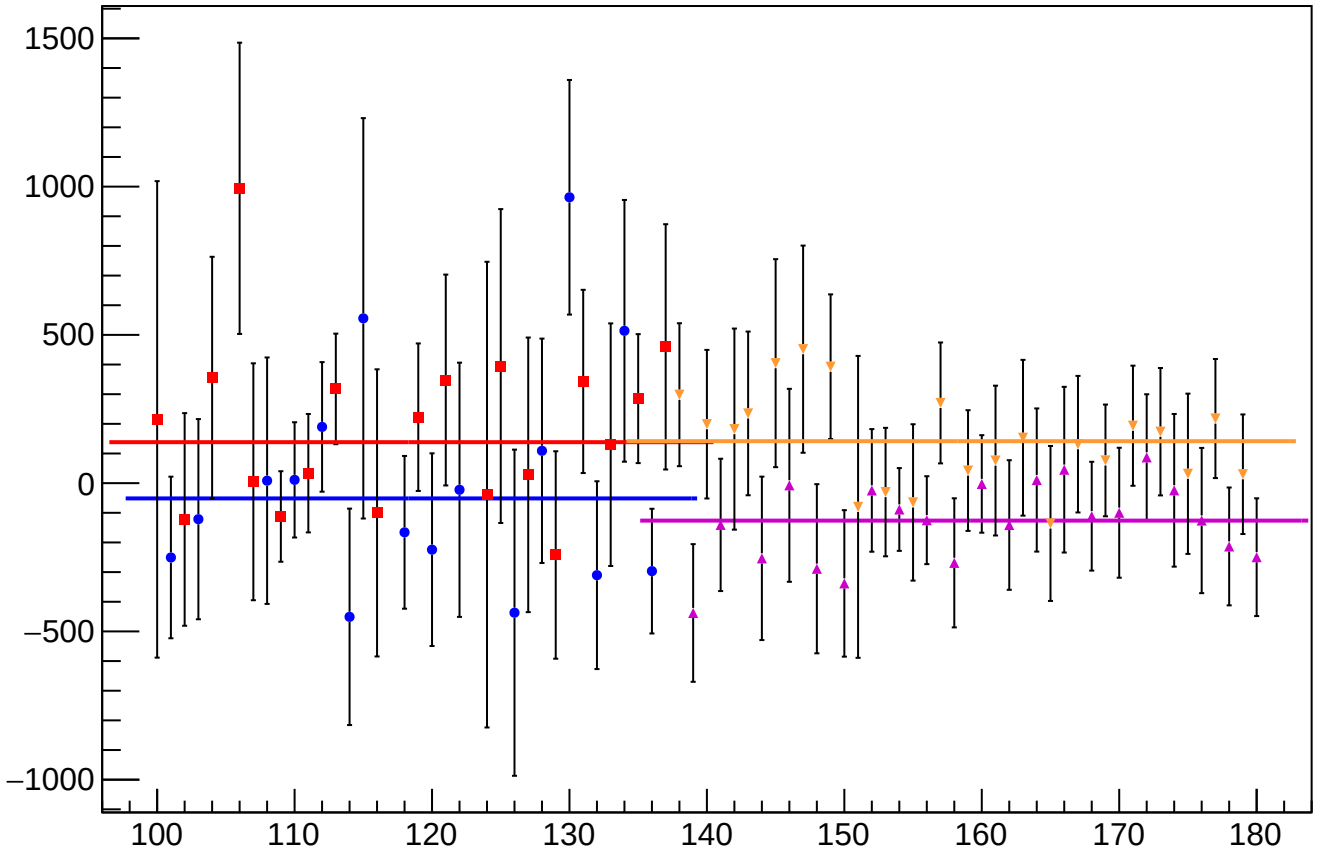
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.419+/-0.004 χ^2/NDF:16899.6/20

+ sign 22.487+/-0.003 χ^2/NDF: 30373.0/37

All: 22.460+/-0.002 χ^2/NDF: 63087.1/77

- 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: 141.537+/-51.514 χ^2/NDF:7.1/21

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

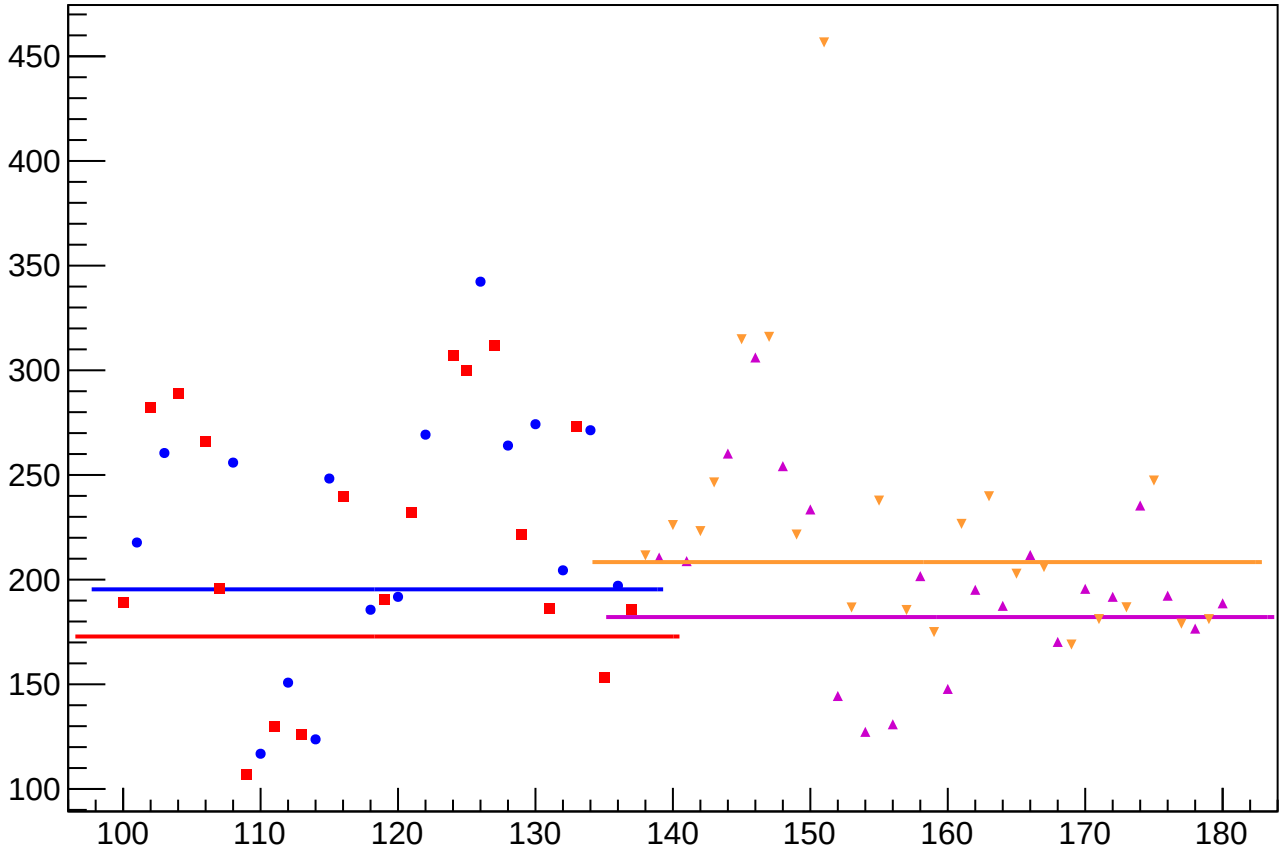
Left In: -126.321+/-45.923 χ^2/NDF:7.0/20

+ sign 81.637+/-42.781 χ^2/NDF: 26.8/37

All: 11.395+/-28.480 χ^2/NDF: 60.5/77

- sign -44.508+/-38.166 χ^2/NDF: 28.8/39

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 208.381+/-0.036 χ^2/NDF:1336536.7/21

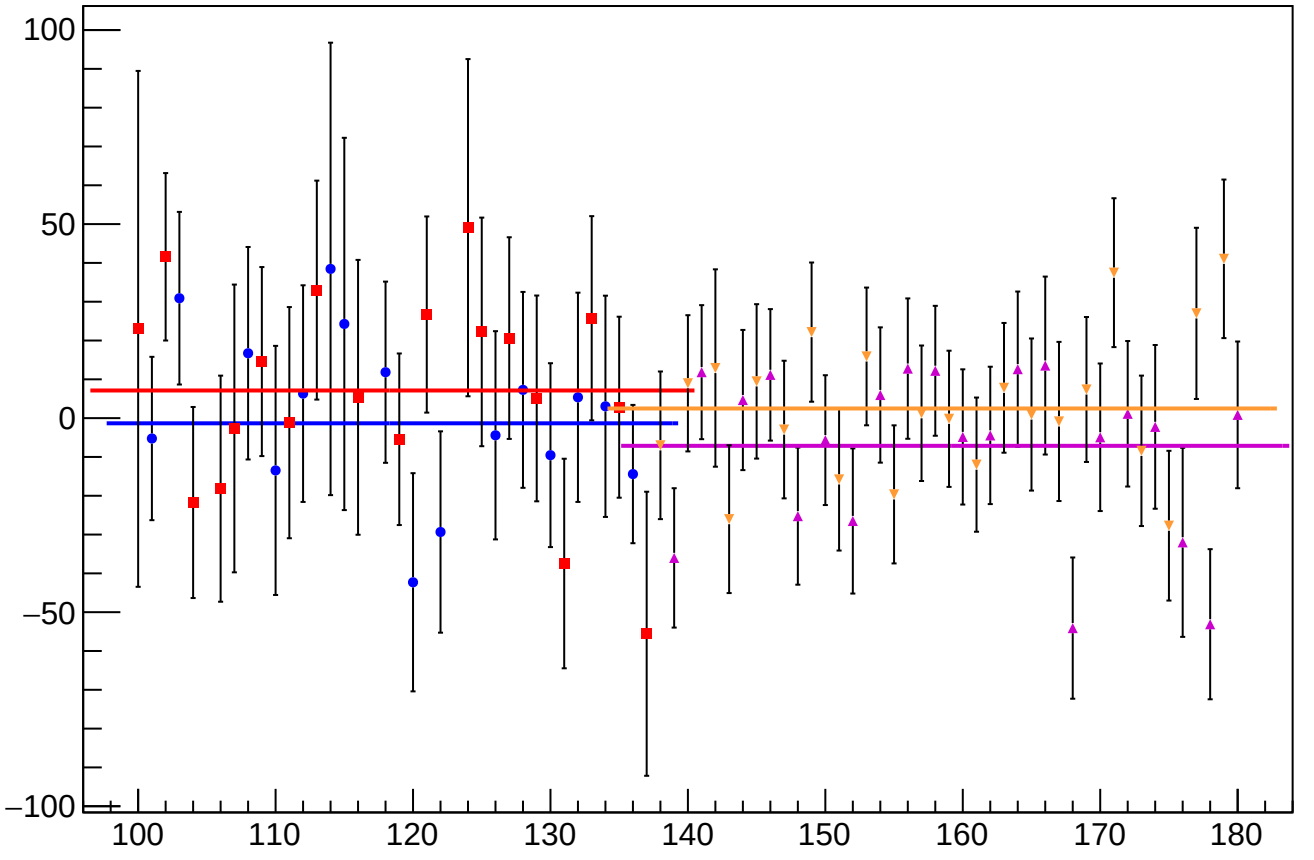
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 182.124+/-0.032 χ^2/NDF:1584794.7/20

+ sign 204.341+/-0.030 χ^2/NDF: 2417615.5/37

All: 190.370+/-0.020 χ^2/NDF: 6070165.0/77

- 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: 2.486+/-4.008 χ^2/NDF:19.2/21

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

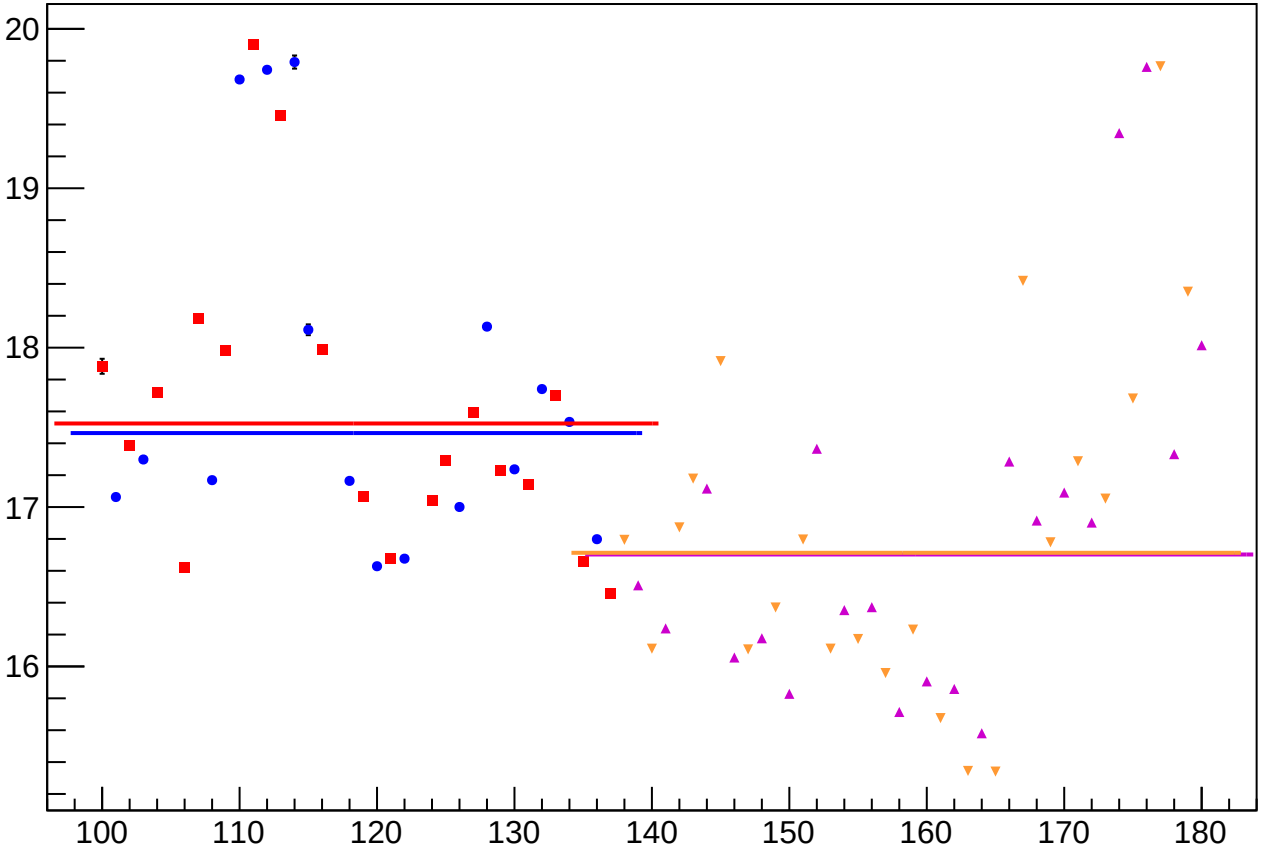
Left In: -7.135+/-4.033 χ^2/NDF:26.2/20

+ sign 1.434+/-3.411 χ^2/NDF: 27.4/37

All: -0.824+/-2.412 χ^2/NDF: 72.5/77

- sign -3.083+/-3.412 χ^2/NDF: 44.2/39

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.713+/-0.003 χ^2/NDF:126348.8/21

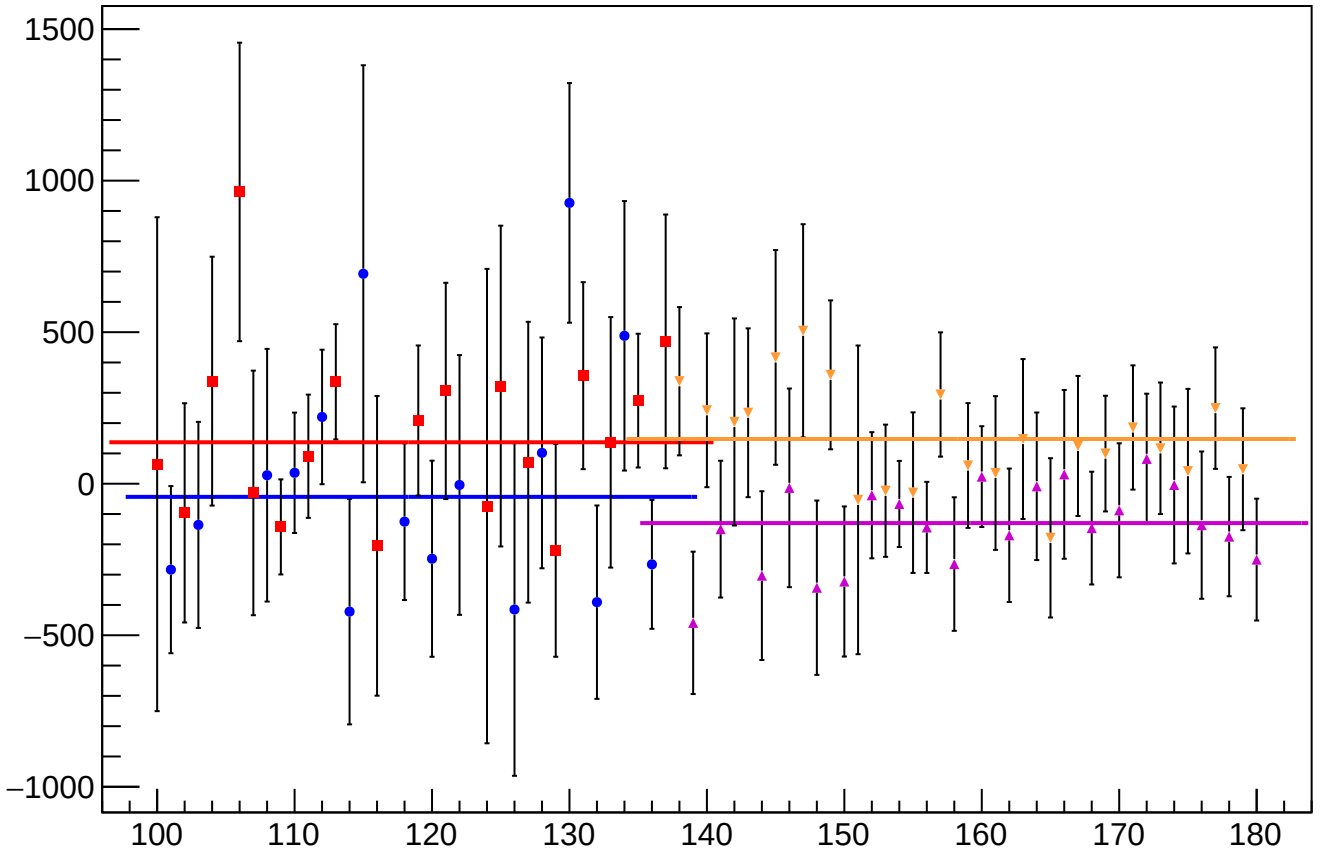
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.702+/-0.003 χ^2/NDF:116179.5/20

\+ sign 16.920+/-0.002 χ^2/NDF: 182353.1/37

All: 16.928+/-0.002 χ^2/NDF: 356882.2/77

\- 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: 147.560+/-51.874 χ^2/NDF:7.7/21

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

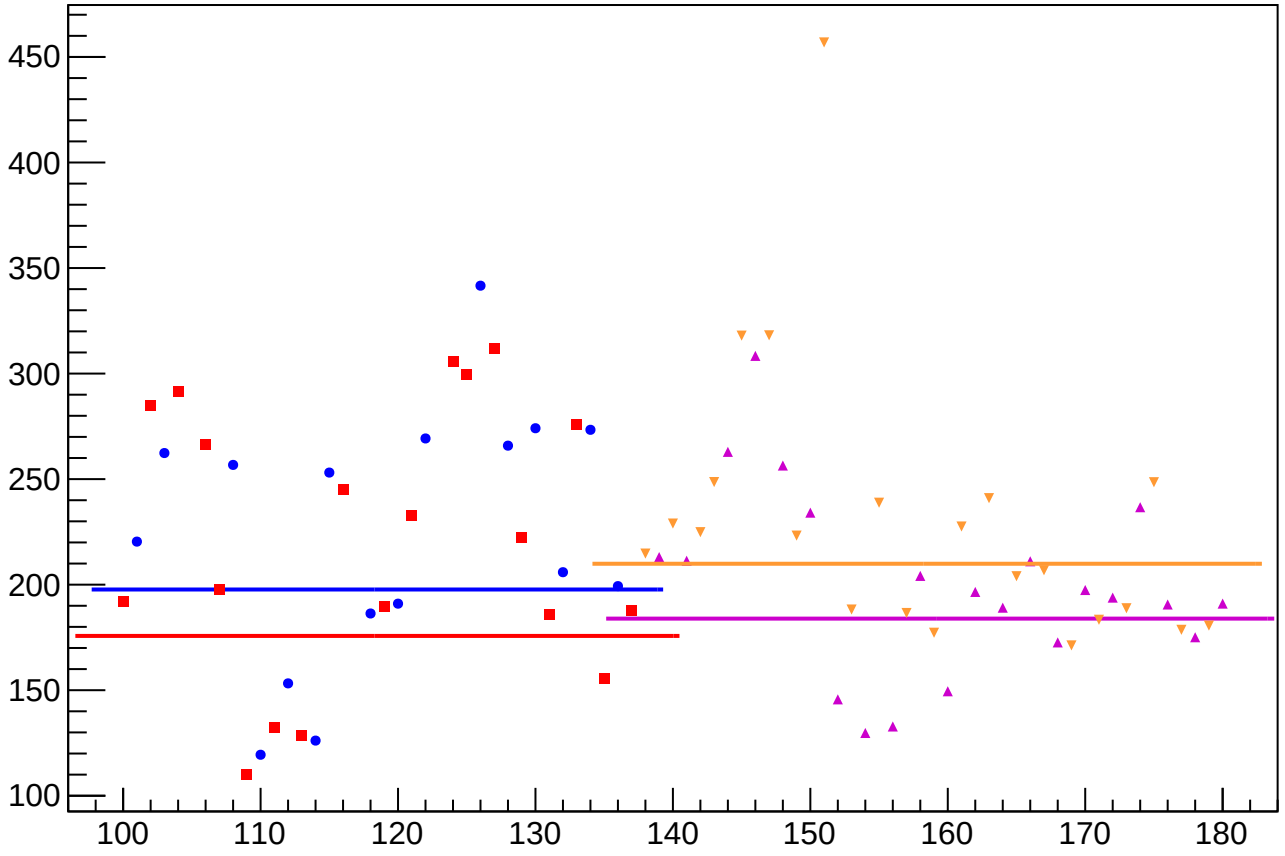
Left In: -129.840+/-46.336 χ^2/NDF:7.5/20

+ sign 88.570+/-43.123 χ^2/NDF: 27.3/37

All: 12.745+/-28.745 χ^2/NDF: 62.1/77

- sign -47.891+/-38.563 χ^2/NDF: 29.3/39

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 209.906+/-0.037 χ^2/NDF:1331292.4/21

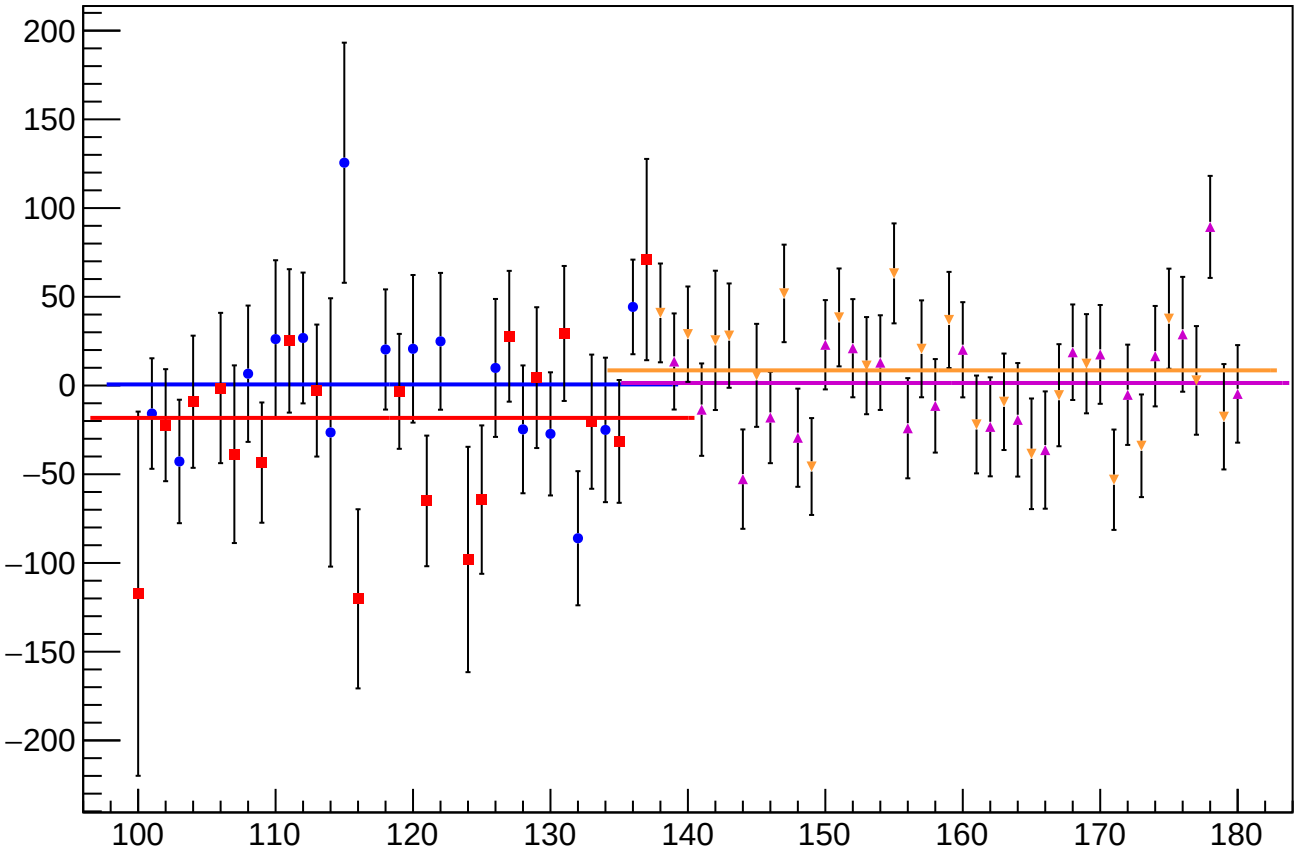
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 183.915+/-0.033 χ^2/NDF:1548168.2/20

+ sign 206.137+/-0.030 χ^2/NDF: 2365786.0/37

All: 192.389+/-0.020 χ^2/NDF: 5889614.6/77

- 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: 8.545+/-6.082 χ^2/NDF:28.2/21

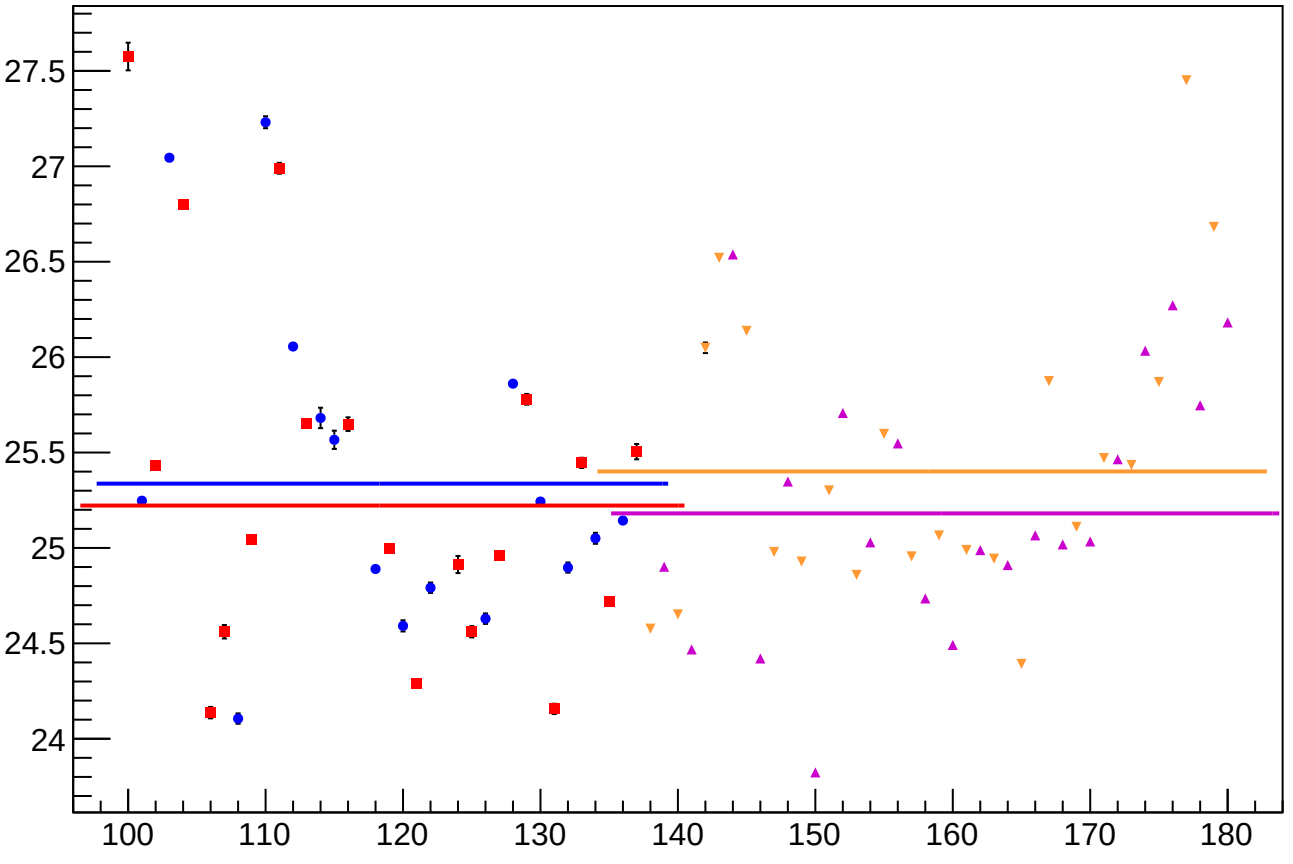
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 1.432+/-6.070 χ^2/NDF:22.8/20

+ sign 6.214+/-5.110 χ^2/NDF: 45.4/37

All: 0.799+/-3.598 χ^2/NDF: 91.6/77

- sign -4.529+/-5.068 χ^2/NDF: 44.0/39



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.401+/-0.004 χ^2/NDF:27980.3/21

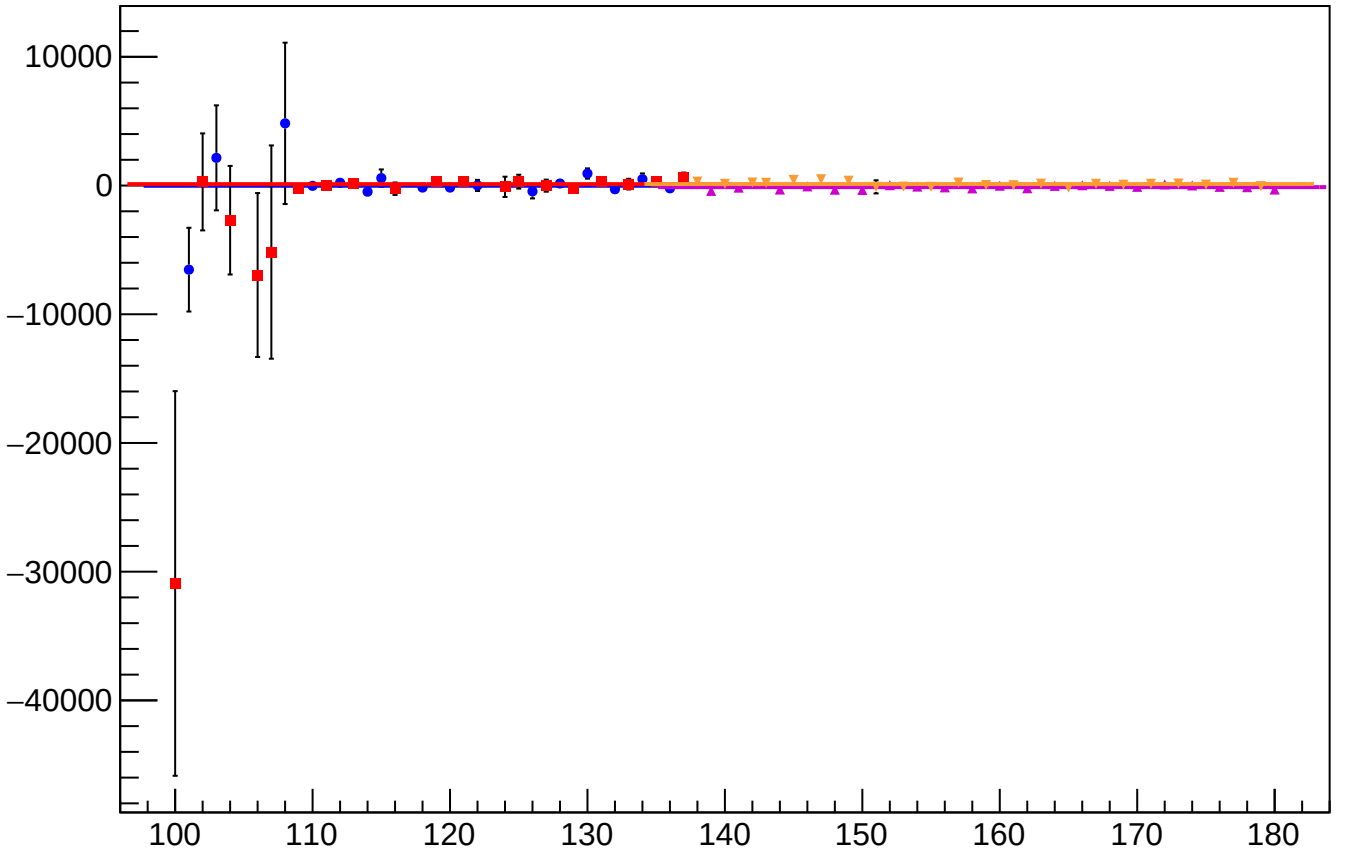
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.181+/-0.004 χ^2/NDF:25167.7/20

+ sign 25.382+/-0.004 χ^2/NDF: 42360.2/37

All: 25.287+/-0.003 χ^2/NDF: 84153.5/77

- sign 25.194+/-0.004 χ^2/NDF: 40419.9/39



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 116.973+/-51.906 χ^2/NDF:8.2/21

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

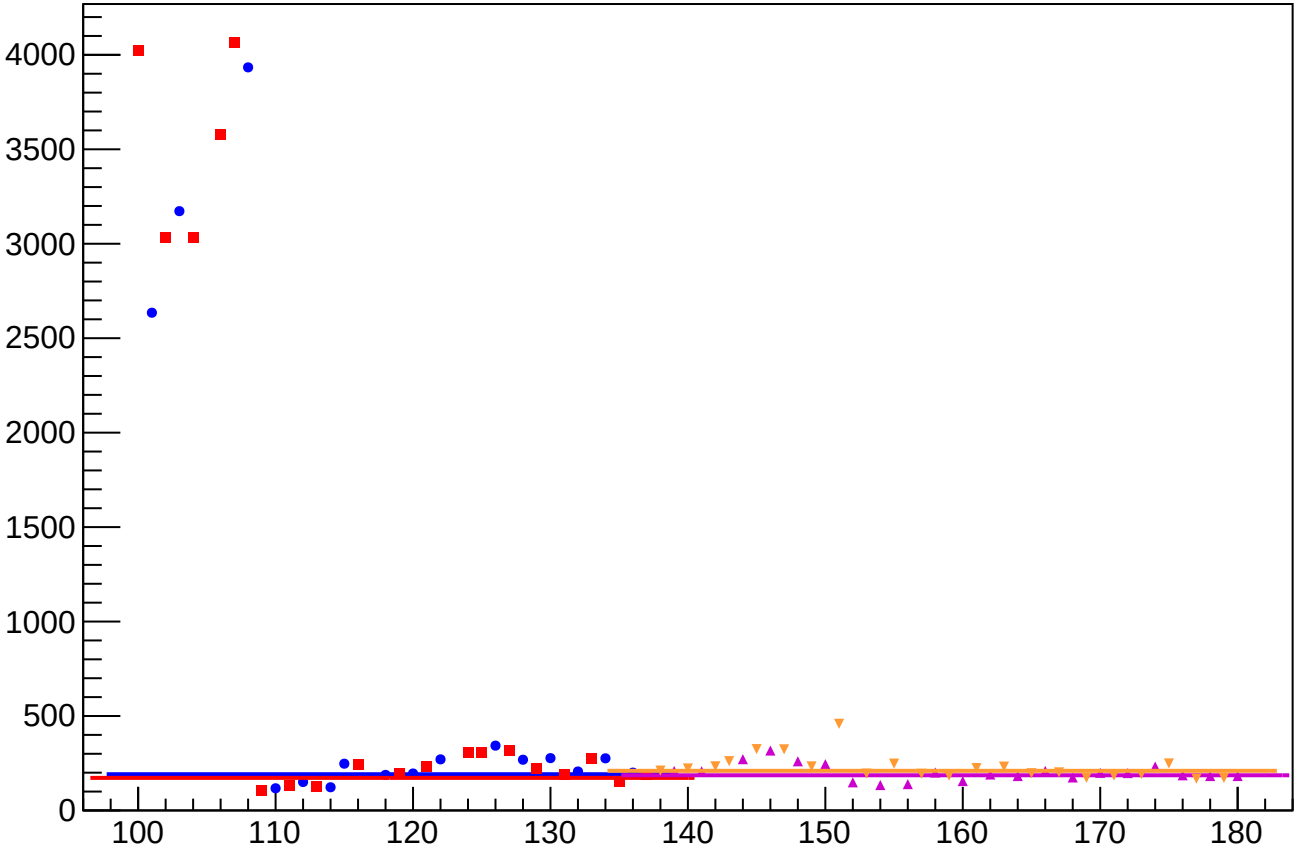
Left In: -122.837+/-46.806 χ^2/NDF:7.5/20

+ sign 80.820+/-44.257 χ^2/NDF: 28.3/37

All: 2.685+/-29.736 χ^2/NDF: 62.0/77

- 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: 209.825+/-0.037 χ^2/NDF:1421506.0/21

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

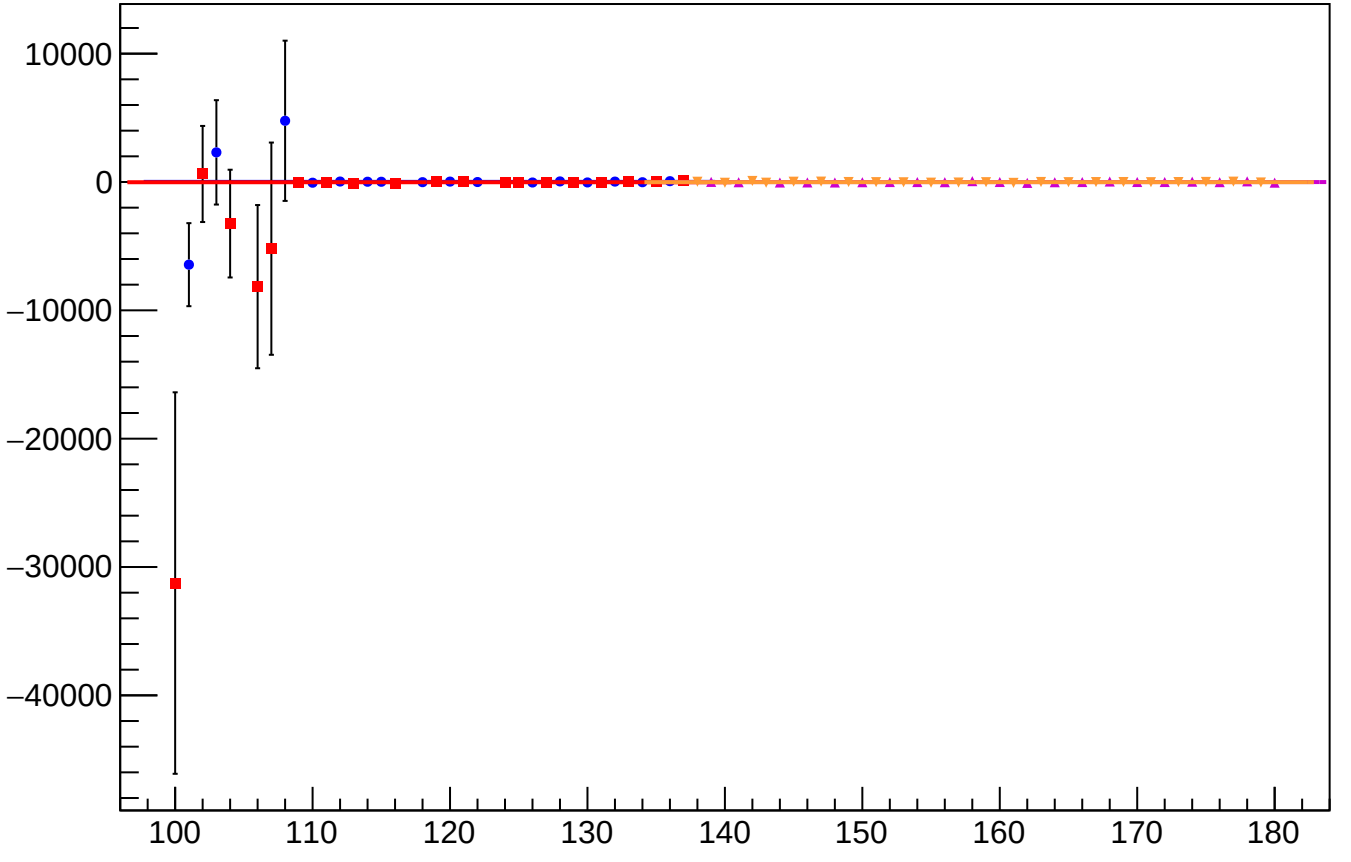
Left In: 186.249+/-0.033 χ^2/NDF:1407108.3/20

+ sign 204.886+/-0.031 χ^2/NDF: 5309624.8/37

All: 192.664+/-0.021 χ^2/NDF: 11343777.2/77

- sign 182.606+/-0.028 χ^2/NDF: 5756095.3/39

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -12.226+/-6.868 χ^2/NDF:20.5/21

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

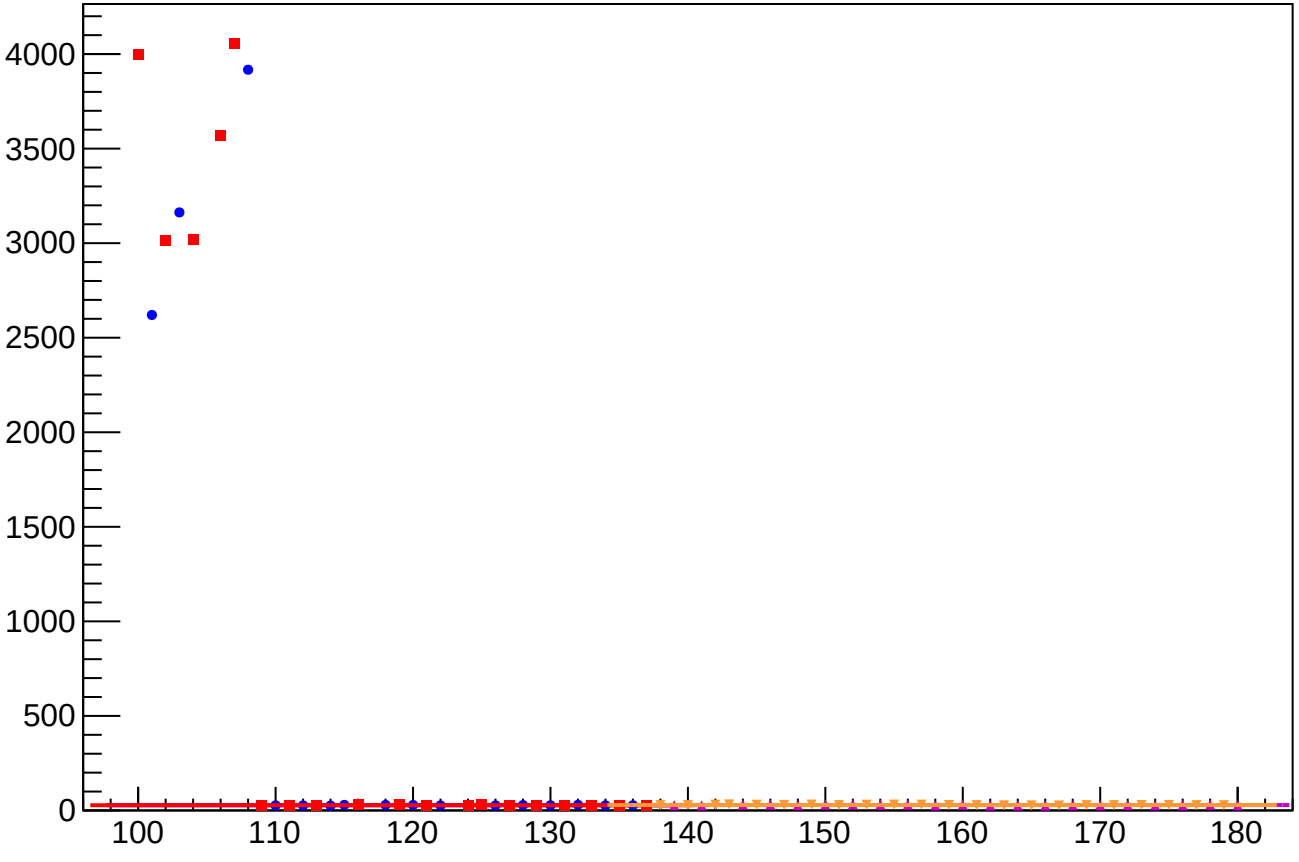
Left In: -5.478+/-6.908 χ^2/NDF:22.8/20

+ sign -6.628+/-5.921 χ^2/NDF: 39.1/37

All: -7.656+/-4.201 χ^2/NDF: 87.6/77

- 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: 28.637+/-0.005 χ^2/NDF:85906.6/21

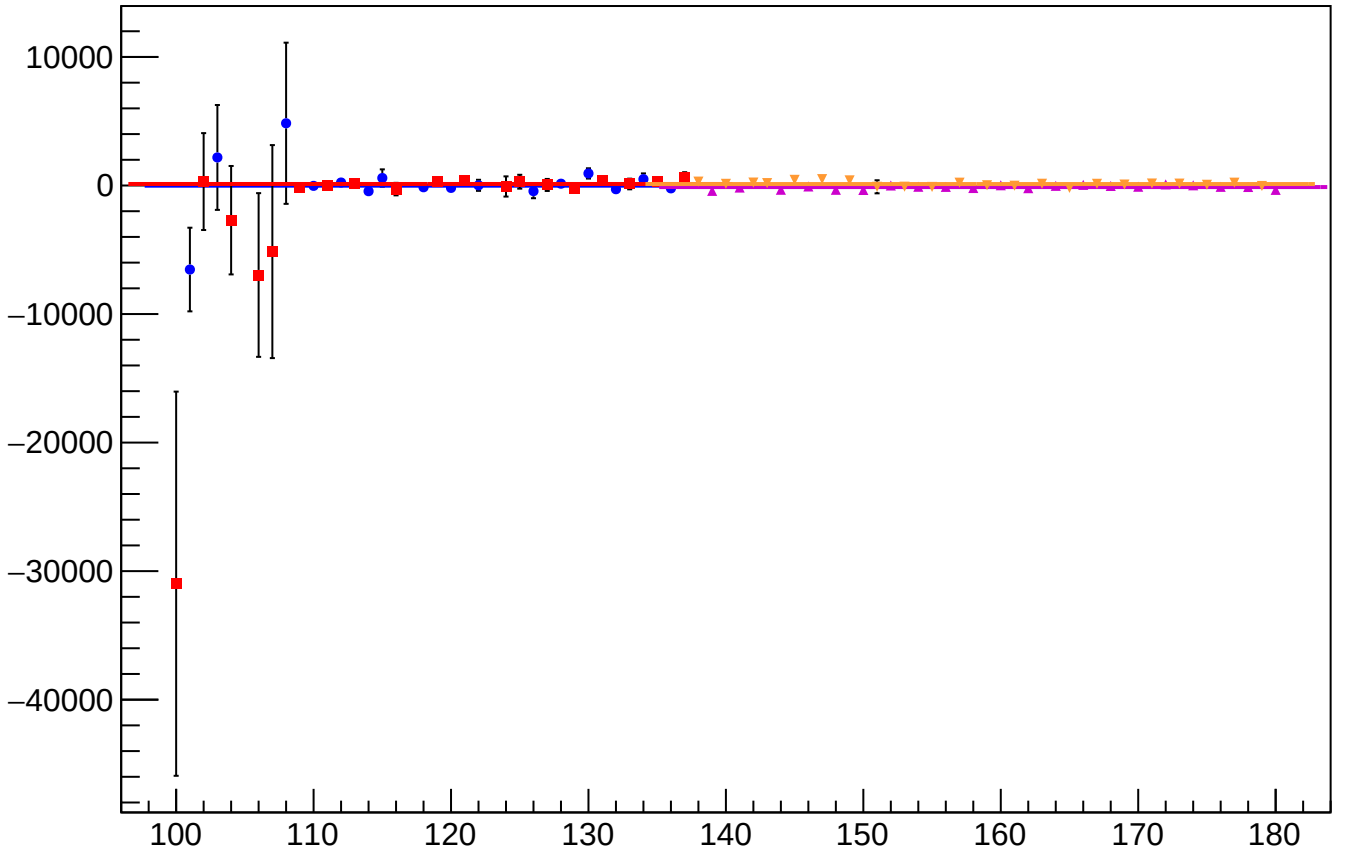
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.587+/-0.005 χ^2/NDF:122610.3/20

+ sign 28.381+/-0.004 χ^2/NDF: 3362187.9/37

All: 28.350+/-0.003 χ^2/NDF: 7051987.3/77

- 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: 113.398+/-51.787 χ^2/NDF:8.9/21

Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

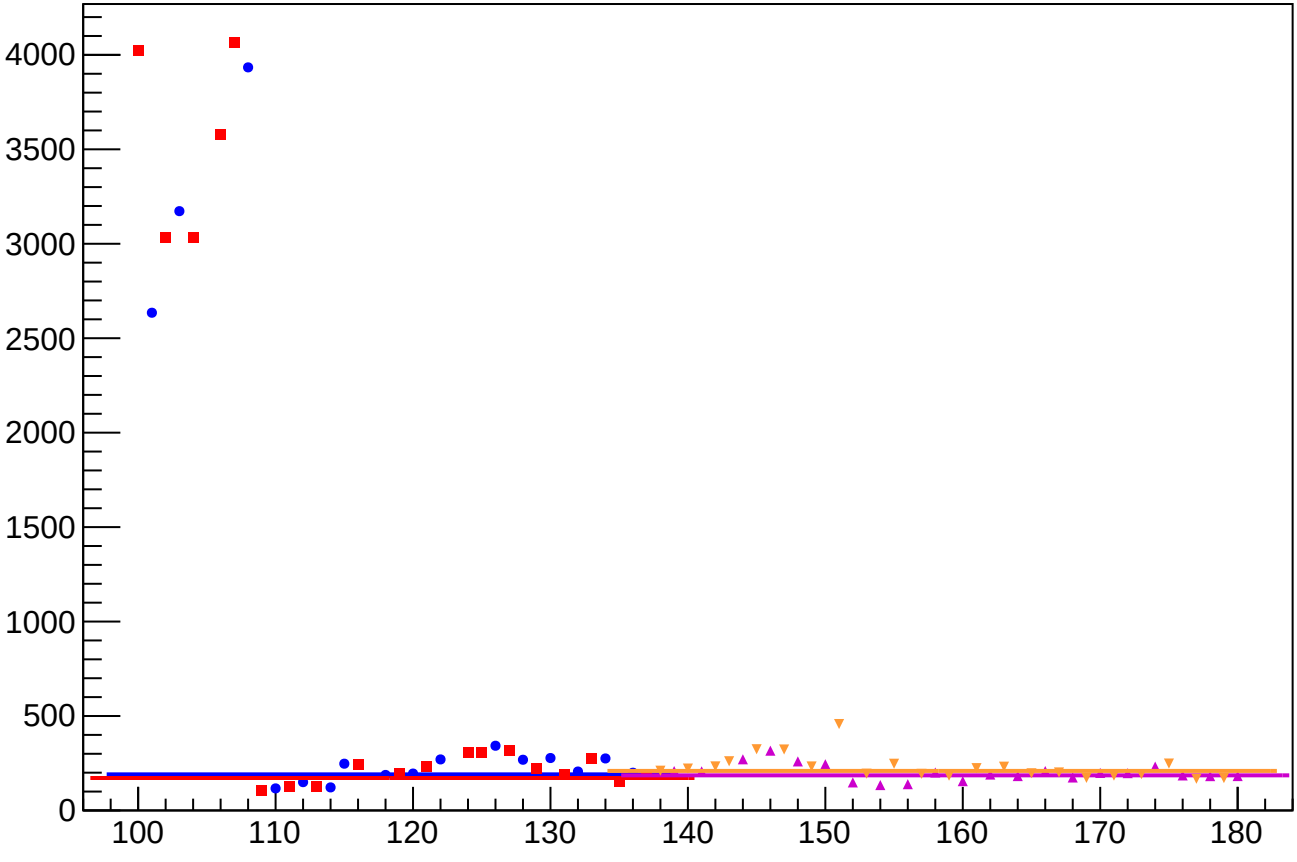
Left In: -121.757+/-46.715 χ^2/NDF:8.1/20

\+ sign 78.815+/-44.148 χ^2/NDF: 28.8/37

All: 3.625+/-29.666 χ^2/NDF: 63.7/77

\- sign -58.280+/-40.058 χ^2/NDF: 29.5/39

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 209.342+/-0.037 χ^2/NDF:1423284.7/21

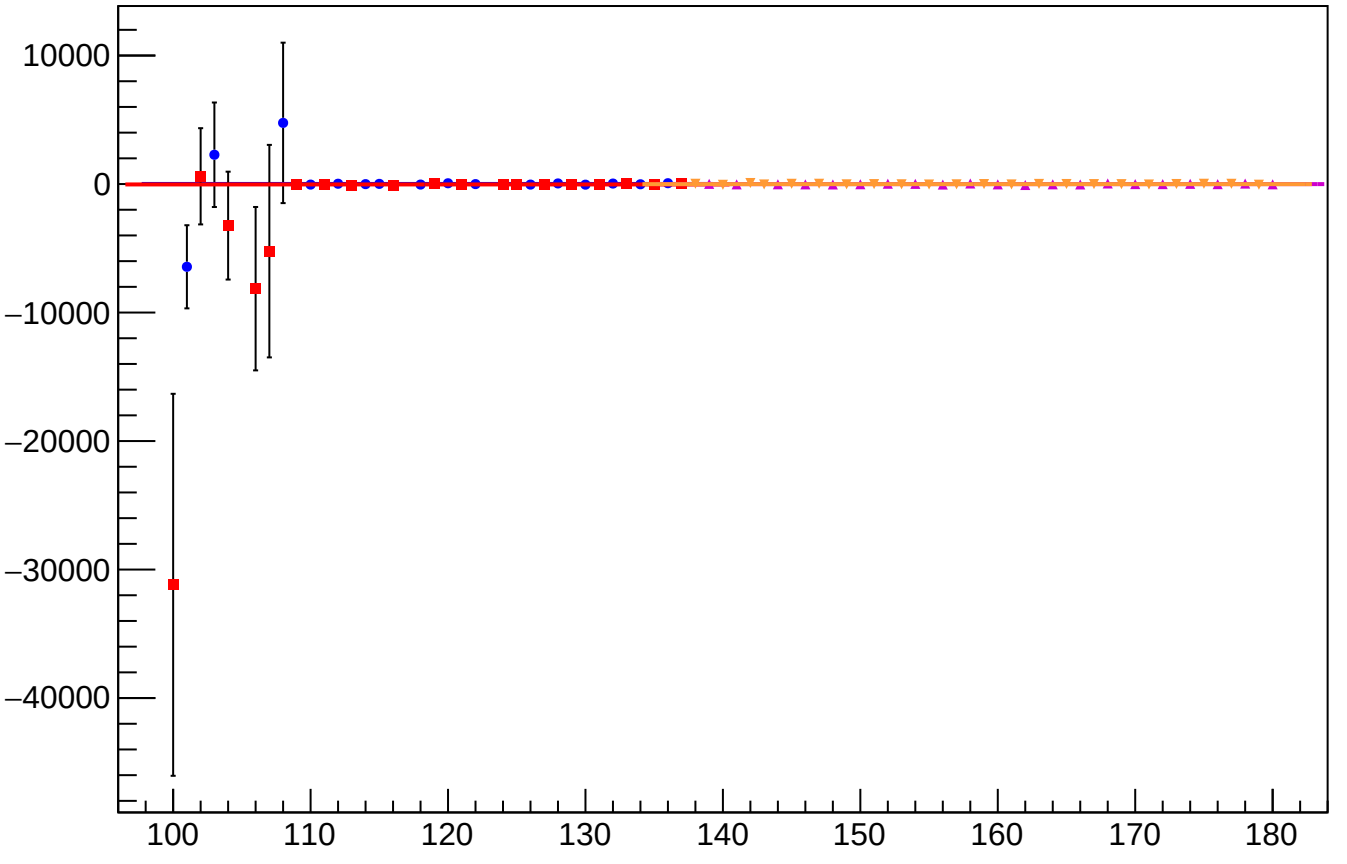
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 185.888+/-0.033 χ^2/NDF:1406613.2/20

+ sign 204.349+/-0.031 χ^2/NDF: 5325273.3/37

All: 192.184+/-0.021 χ^2/NDF: 11371395.5/77

- 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: -9.116+/-6.903 χ^2/NDF:15.8/21

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

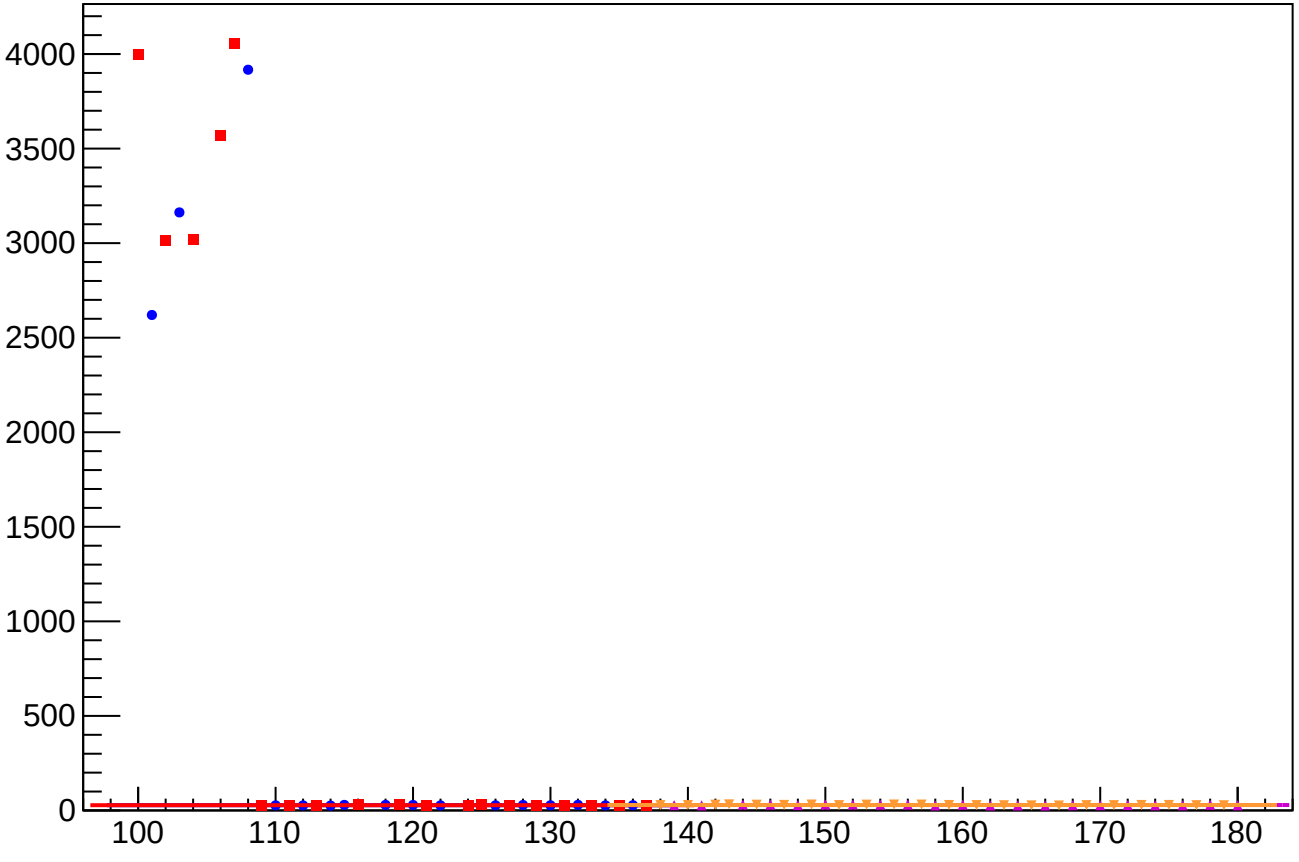
Left In: -5.610+/-6.939 χ^2/NDF:18.6/20

+ sign -5.118+/-5.954 χ^2/NDF: 35.4/37

All: -8.556+/-4.224 χ^2/NDF: 78.0/77

- 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: 28.779+/-0.005 χ^2/NDF:95475.8/21

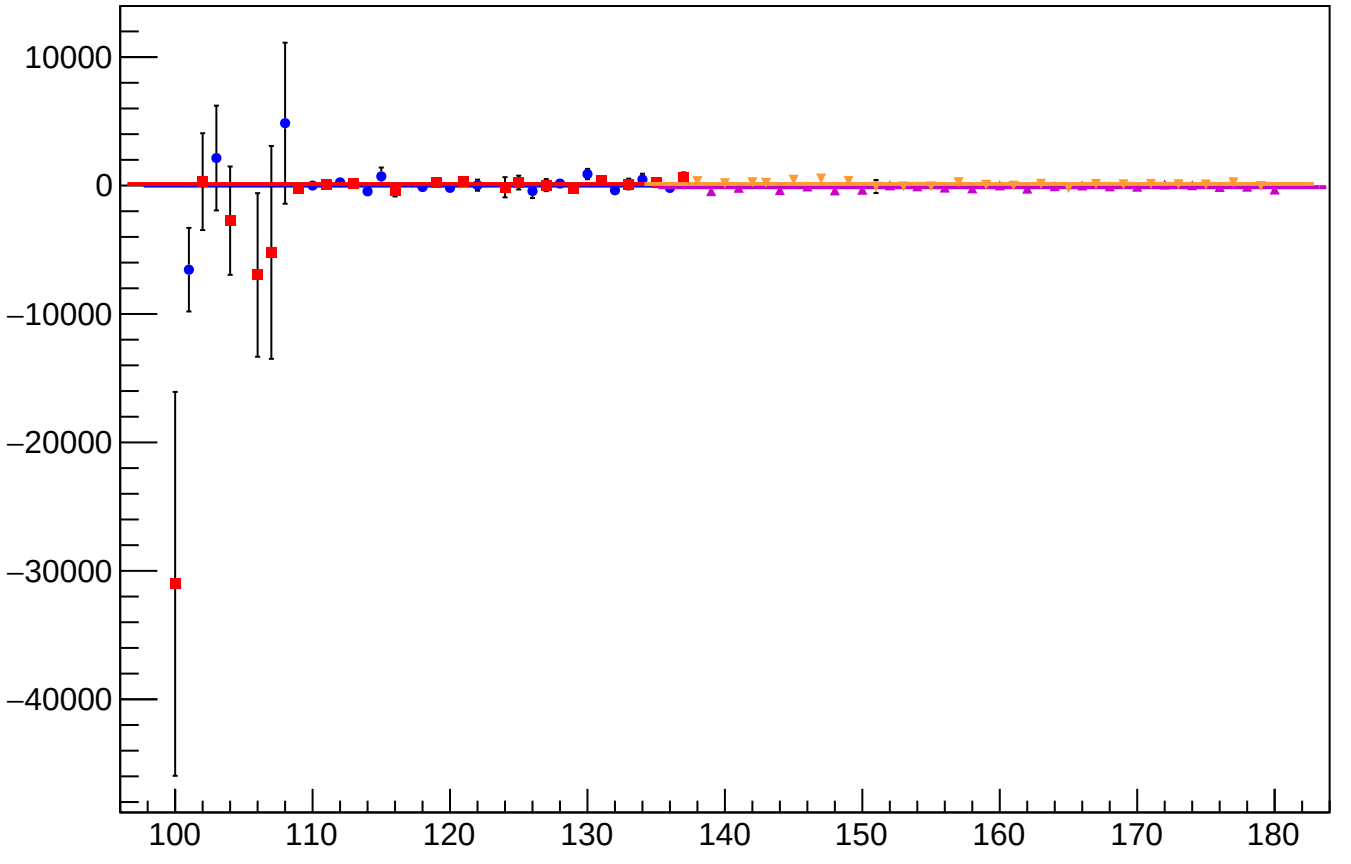
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.716+/-0.005 χ^2/NDF:127183.7/20

+ sign 28.534+/-0.004 χ^2/NDF: 3371149.1/37

All: 28.503+/-0.003 χ^2/NDF: 7066872.5/77

- 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: 123.295+/-52.238 χ^2/NDF:8.9/21

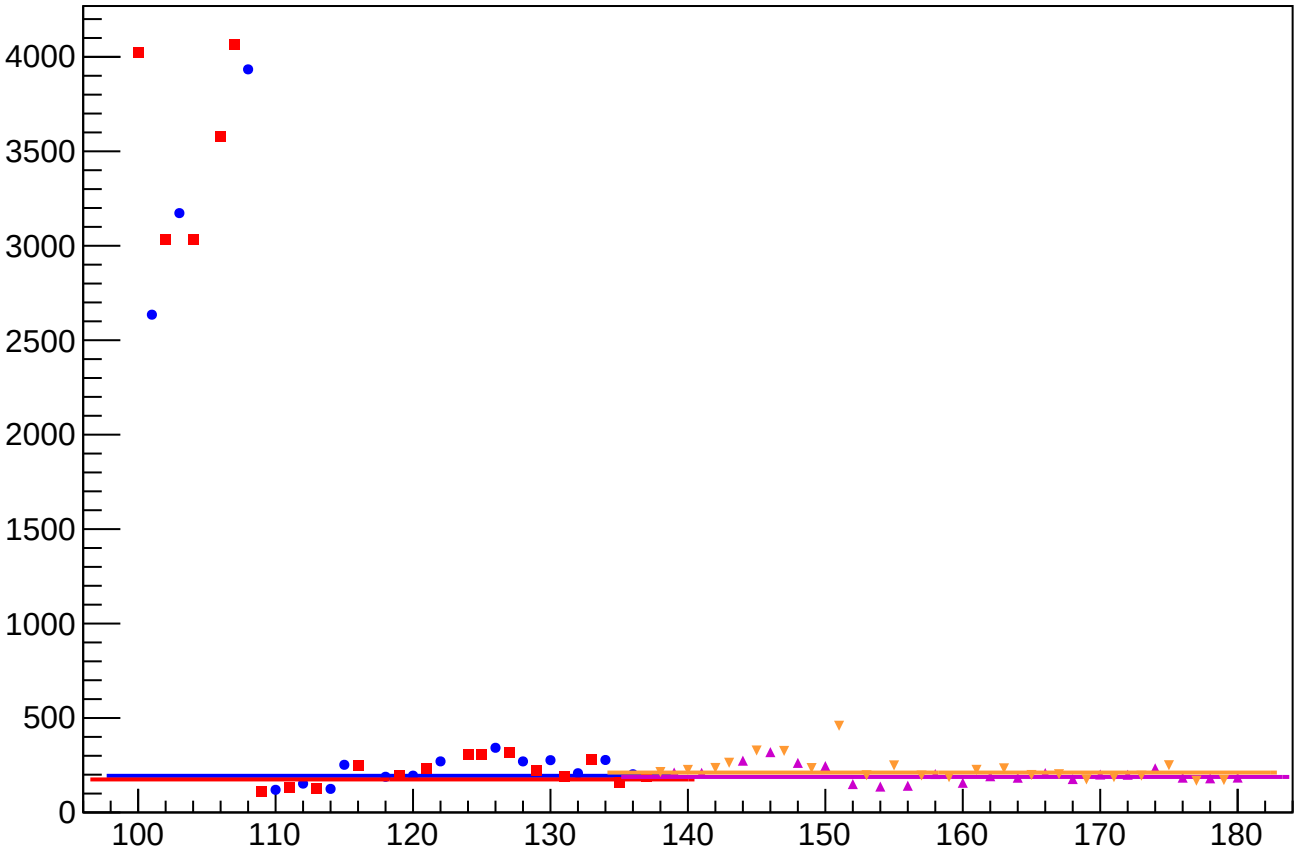
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -126.598+/-47.201 χ^2/NDF:8.2/20

+ sign 89.026+/-44.577 χ^2/NDF: 28.7/37

All: 5.884+/-29.981 χ^2/NDF: 64.0/77

- 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: 211.201+/-0.037 χ^2/NDF:1426335.1/21

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

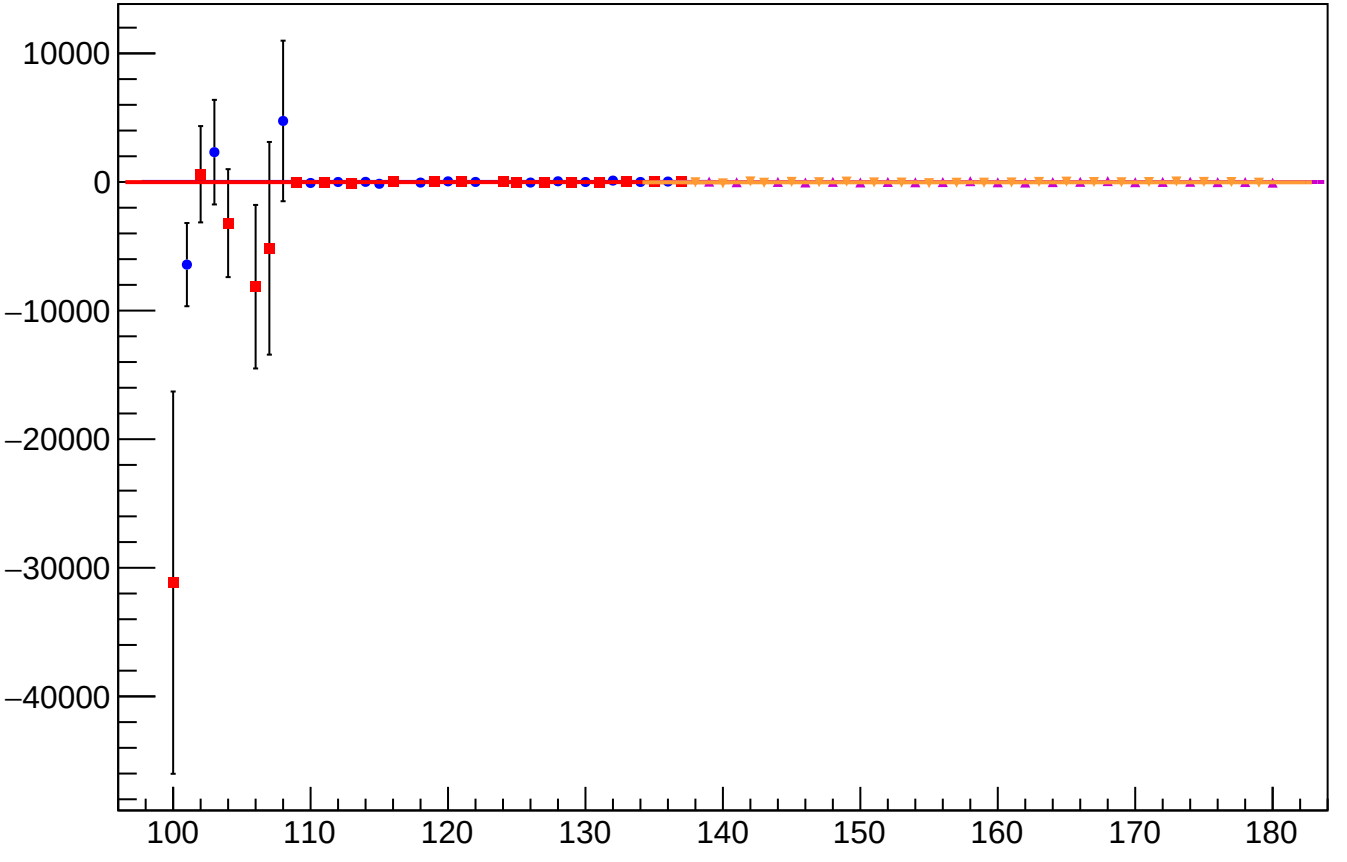
Left In: 187.955+/-0.033 χ^2/NDF:1377042.0/20

+ sign 206.512+/-0.032 χ^2/NDF: 5270108.3/37

All: 194.449+/-0.021 χ^2/NDF: 11214906.0/77

- sign 184.486+/-0.029 χ^2/NDF: 5677400.9/39

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -23.813+/-8.247 χ^2/NDF:21.5/21

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

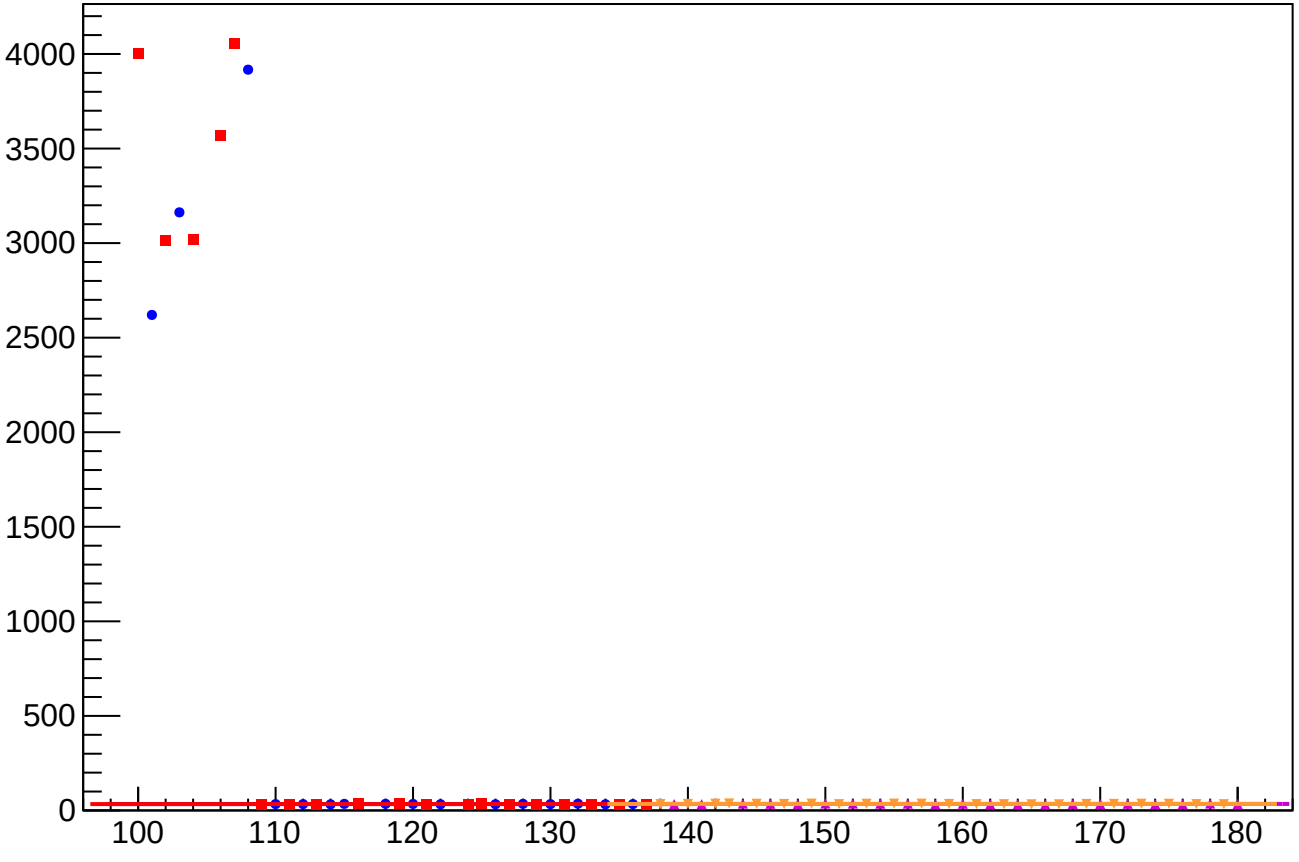
Left In: -0.103+/-8.324 χ^2/NDF:14.1/20

+ sign -16.461+/-7.145 χ^2/NDF: 42.2/37

All: -9.581+/-5.075 χ^2/NDF: 82.0/77

- 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: 34.432+/-0.006 χ^2/NDF:43645.6/21

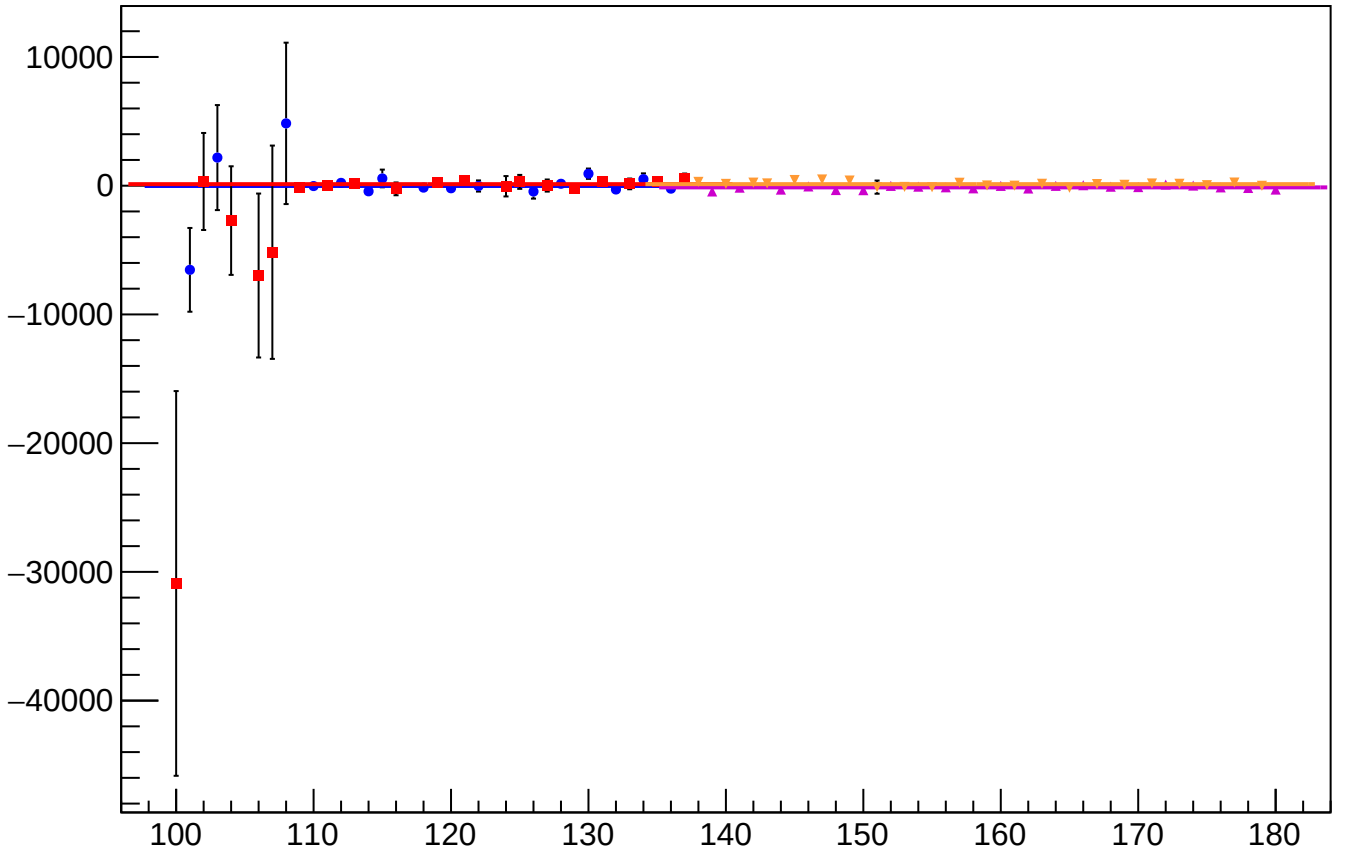
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.506+/-0.006 χ^2/NDF:58118.3/20

+ sign 34.299+/-0.005 χ^2/NDF: 3290108.7/37

All: 34.305+/-0.004 χ^2/NDF: 6879071.8/77

- 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: 120.372+/-52.211 χ^2/NDF:8.6/21

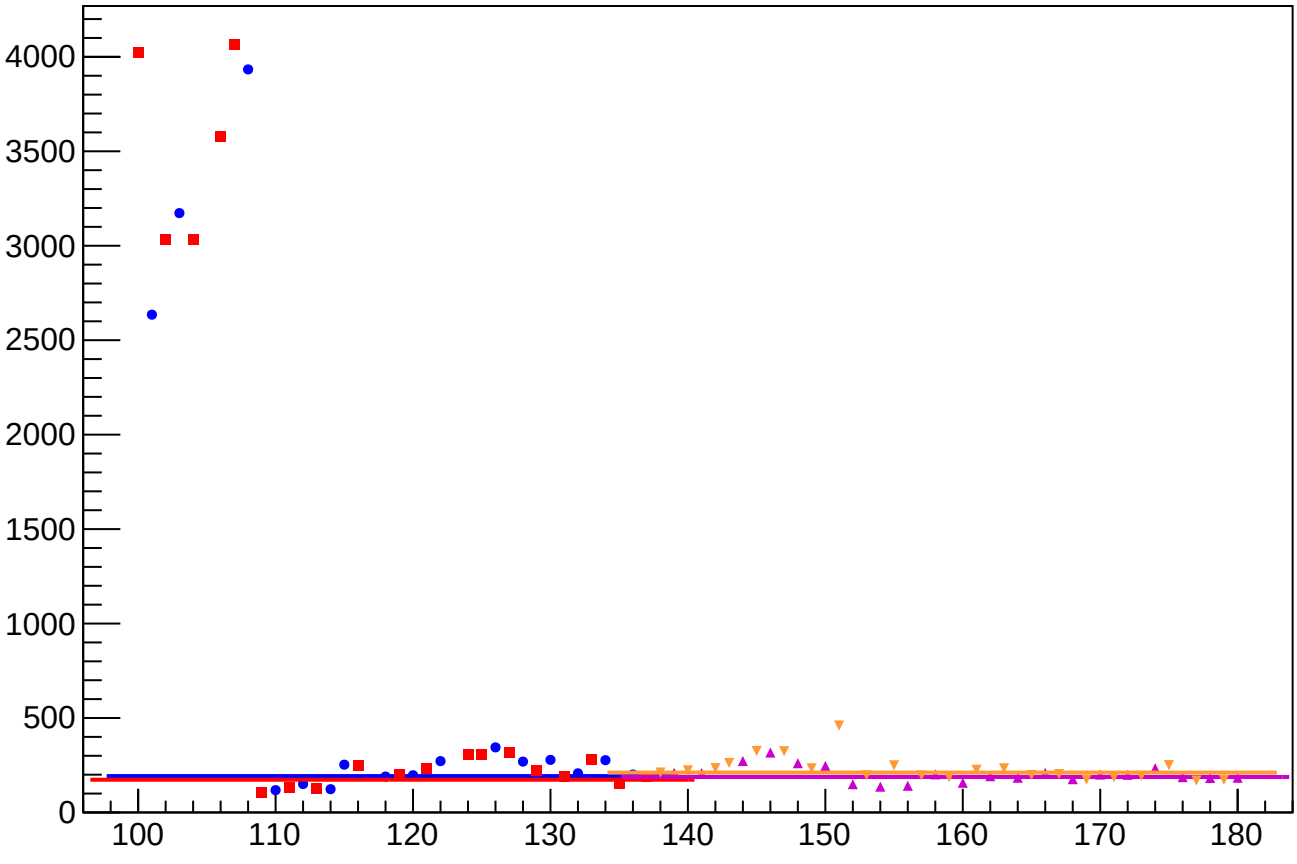
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -131.380+/-47.144 χ^2/NDF:7.4/20

+ sign 82.090+/-44.498 χ^2/NDF: 28.7/37

All: 1.637+/-29.915 χ^2/NDF: 63.0/77

- 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: 211.143+/-0.037 χ^2/NDF:1404493.2/21

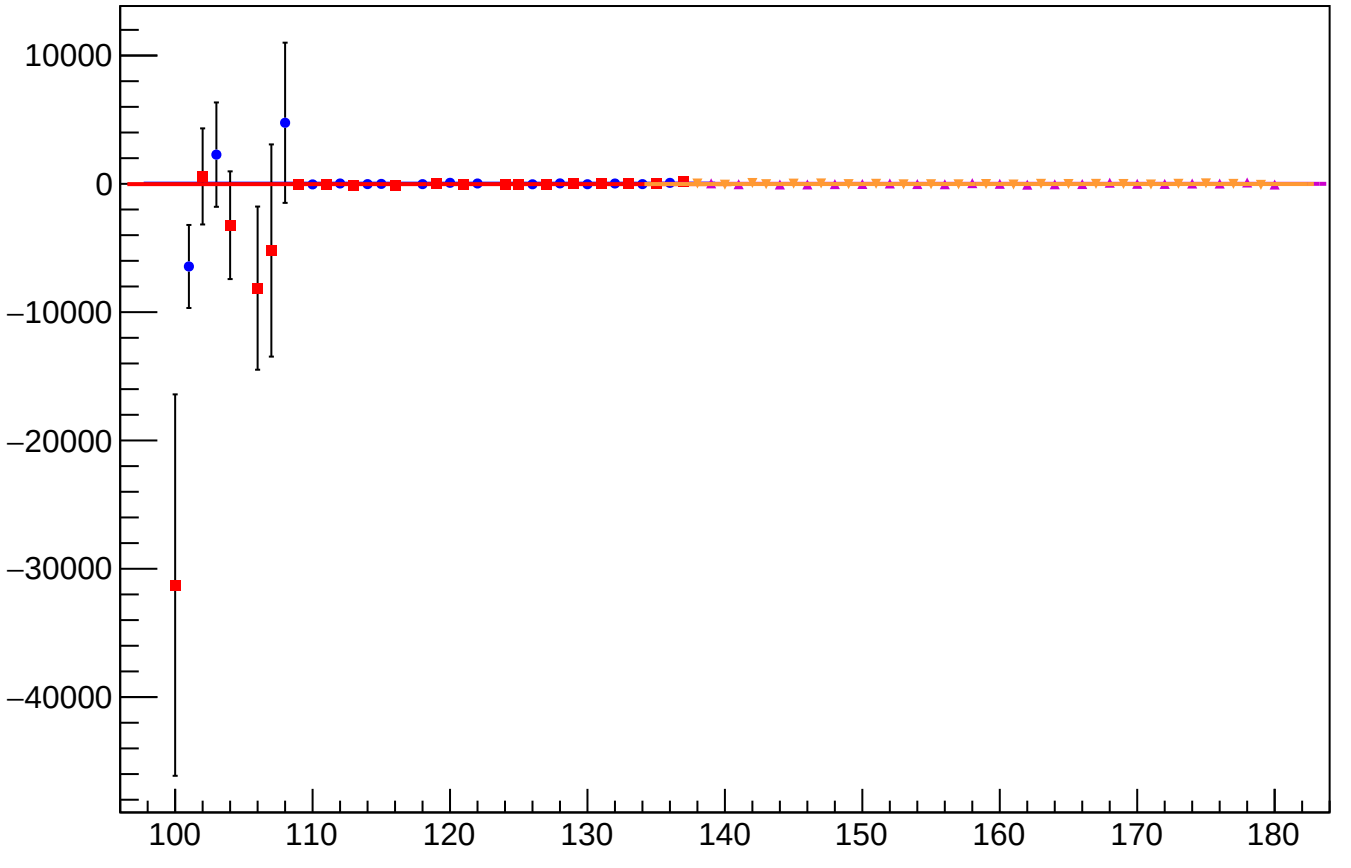
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 187.728+/-0.033 χ^2/NDF:1366568.3/20

+ sign 206.058+/-0.031 χ^2/NDF: 5296611.7/37

All: 193.907+/-0.021 χ^2/NDF: 11292754.9/77

- sign 183.887+/-0.029 χ^2/NDF: 5724033.7/39



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.446+/-7.511 χ^2/NDF:18.9/21

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

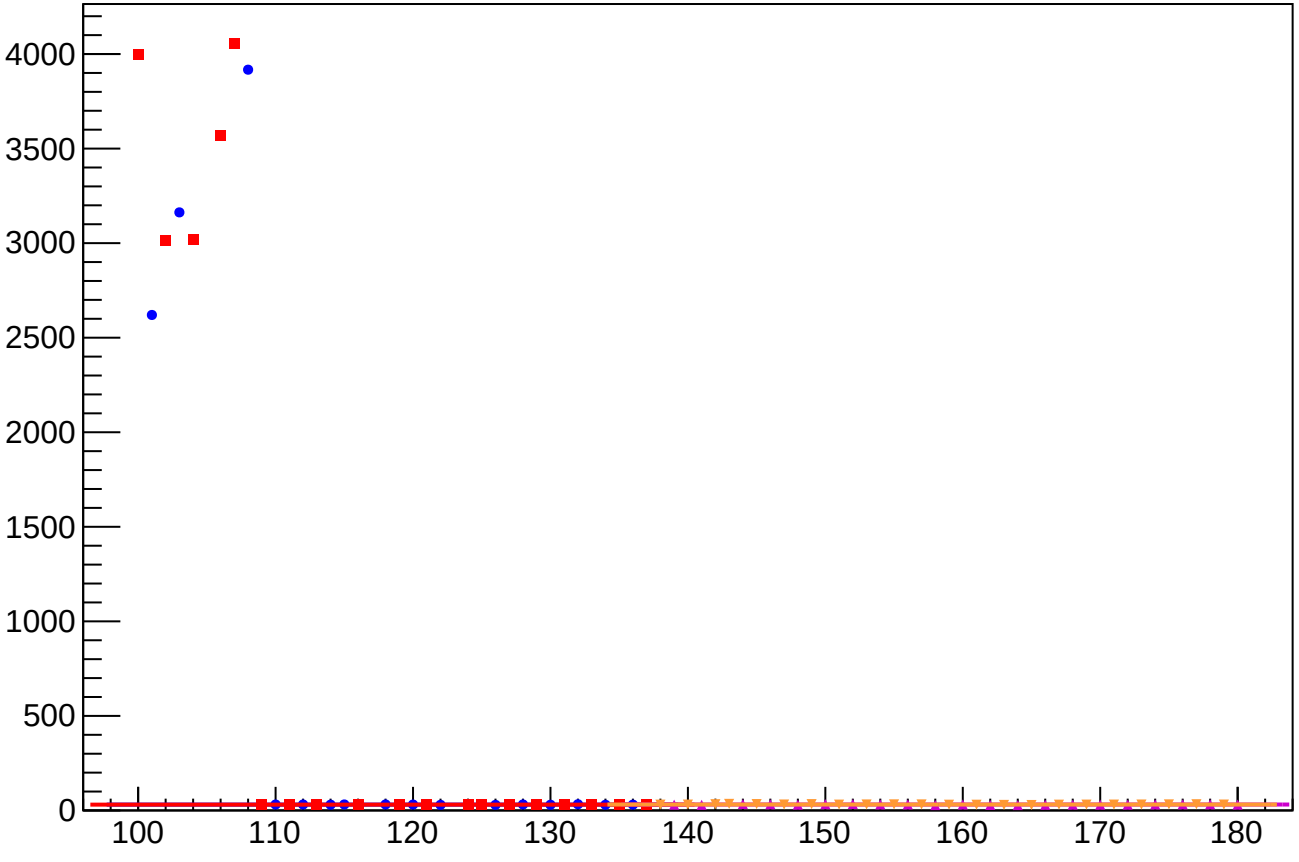
Left In: 1.605+/-7.566 χ^2/NDF:34.9/20

+ sign -8.952+/-6.511 χ^2/NDF: 38.3/37

All: -6.768+/-4.622 χ^2/NDF: 104.8/77

- 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: 31.337+/-0.005 χ^2/NDF:62609.7/21

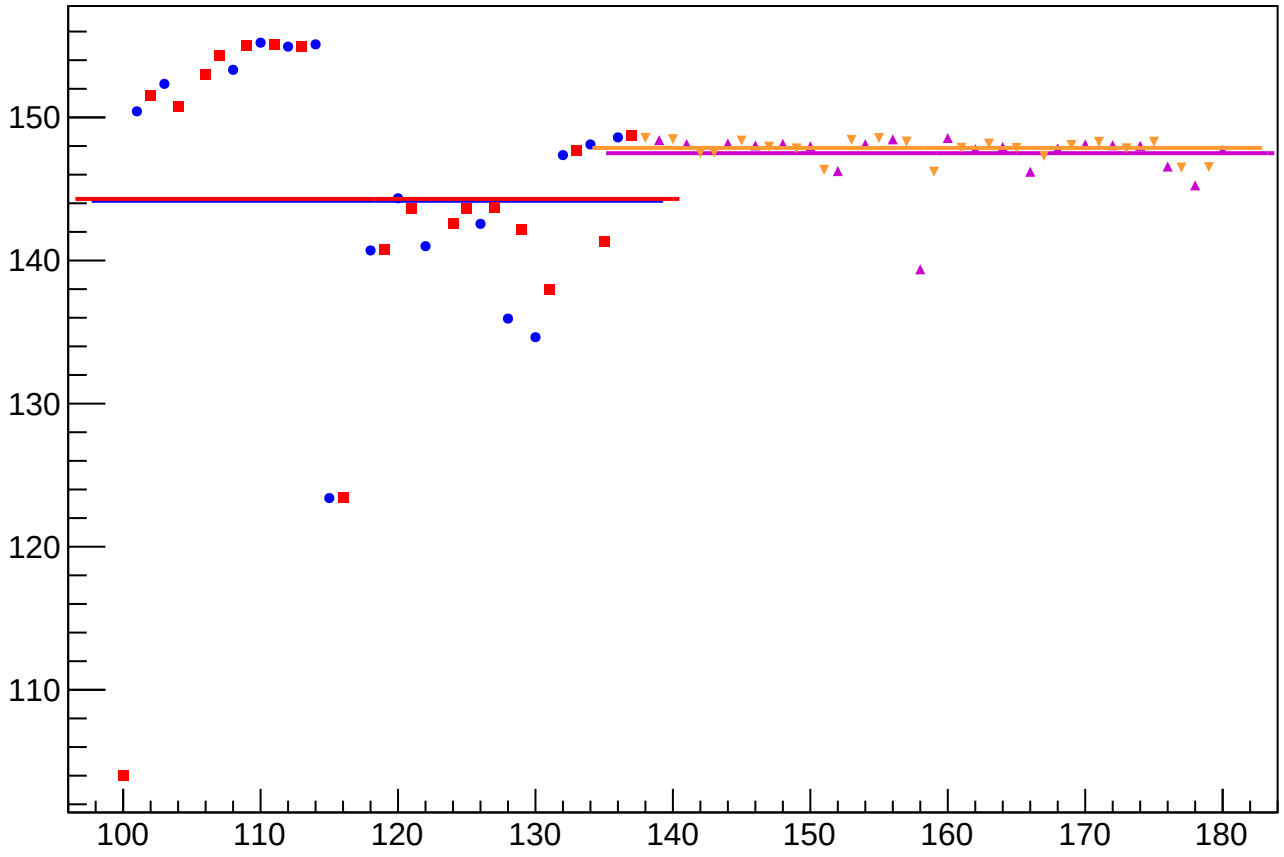
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.336+/-0.005 χ^2/NDF:83979.6/20

+ sign 31.235+/-0.005 χ^2/NDF: 3316686.8/37

All: 31.216+/-0.003 χ^2/NDF: 6939638.0/77

- 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: 147.871+/-0.000 χ^2/NDF:44817551.1/21

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

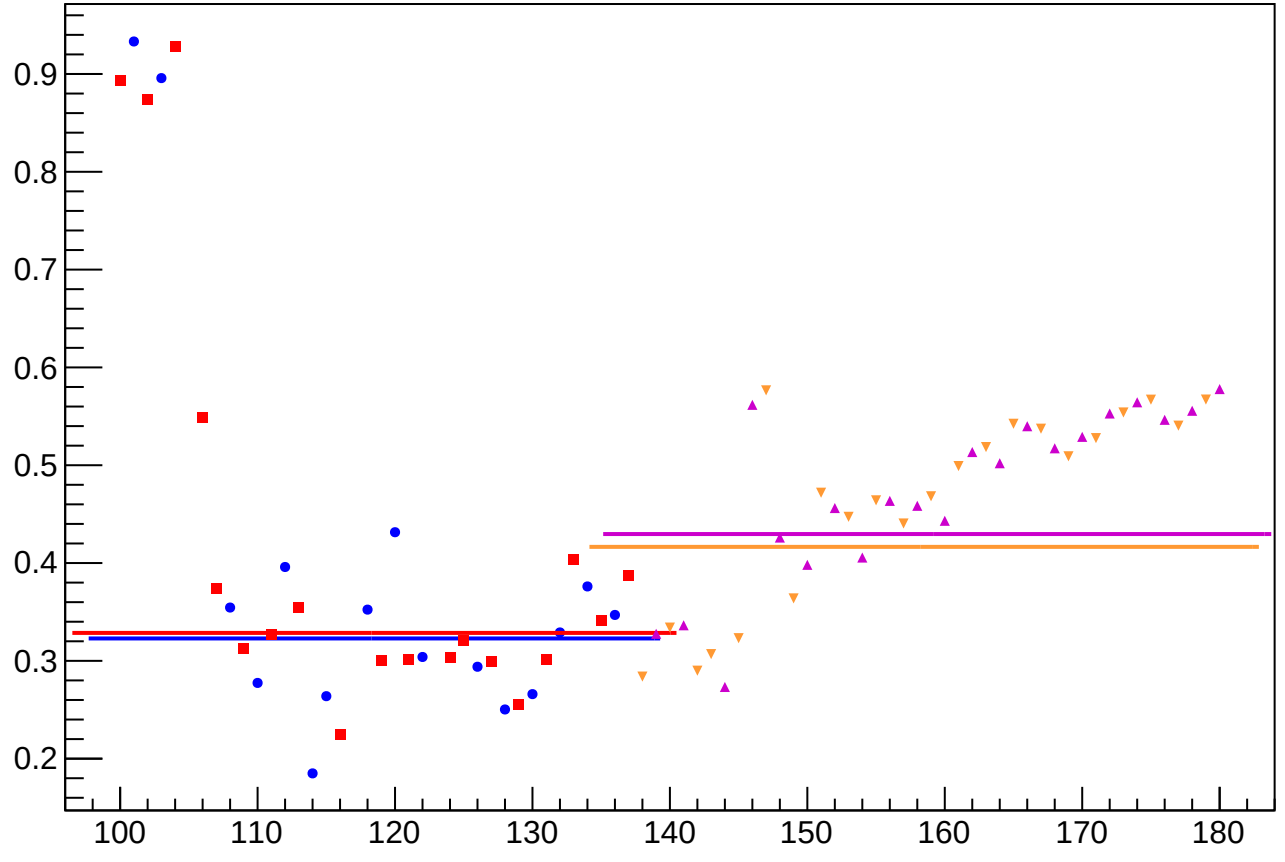
Left In: 147.500+/-0.000 χ^2/NDF:306158788.7/20

+ sign 146.455+/-0.000 χ^2/NDF: 4250166124.5/37

All: 146.347+/-0.000 χ^2/NDF: 9172425595.9

- 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: 0.417+/-0.000 χ^2/NDF:1919213.7/21

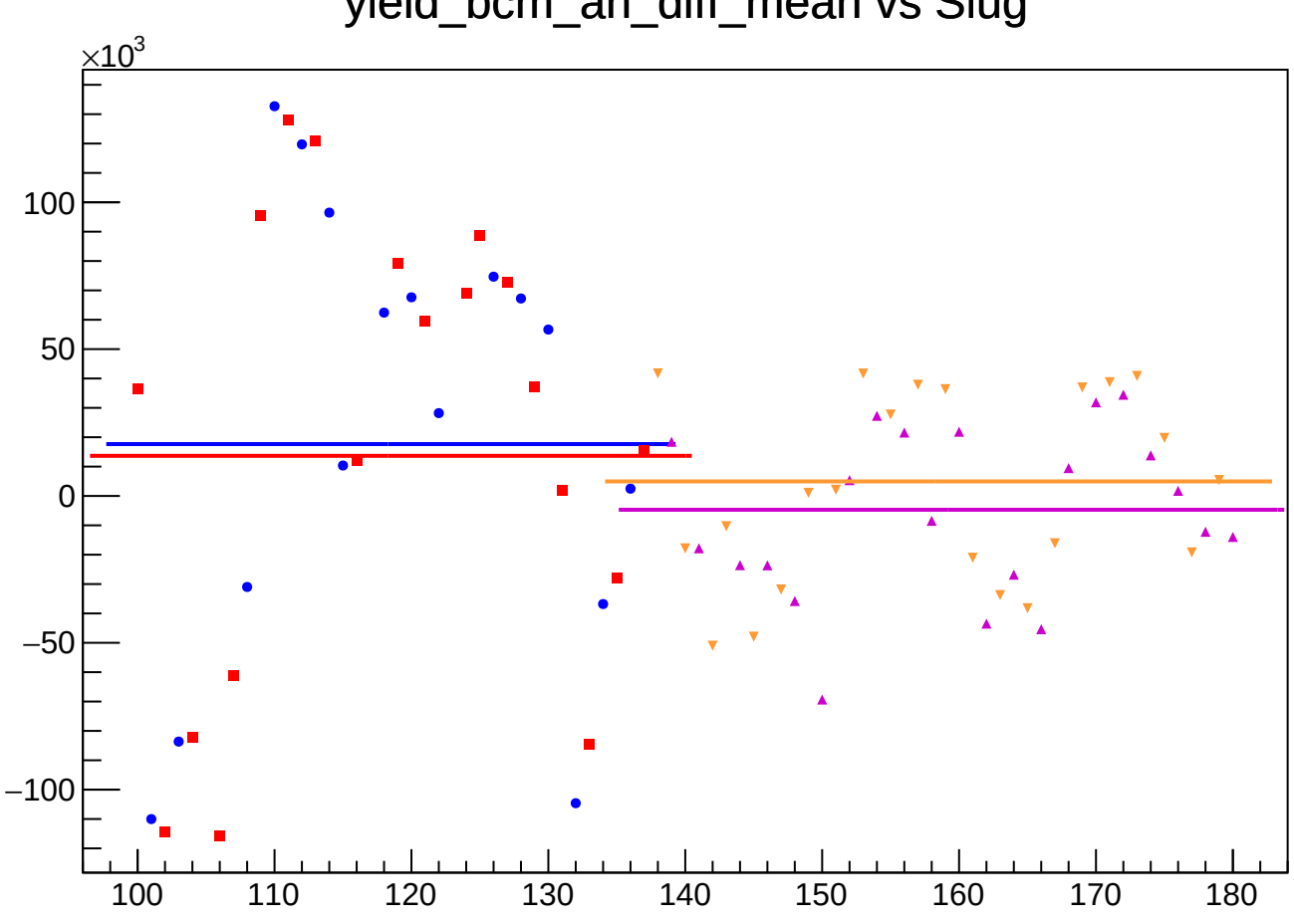
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.430+/-0.000 χ^2/NDF:1641692.8/20

+ sign 0.381+/-0.000 χ^2/NDF: 3932667.1/37

All: 0.385+/-0.000 χ^2/NDF: 7586263.7/77

- 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: 4952.300+/-1.167 χ^2/NDF:696069545.8/21

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

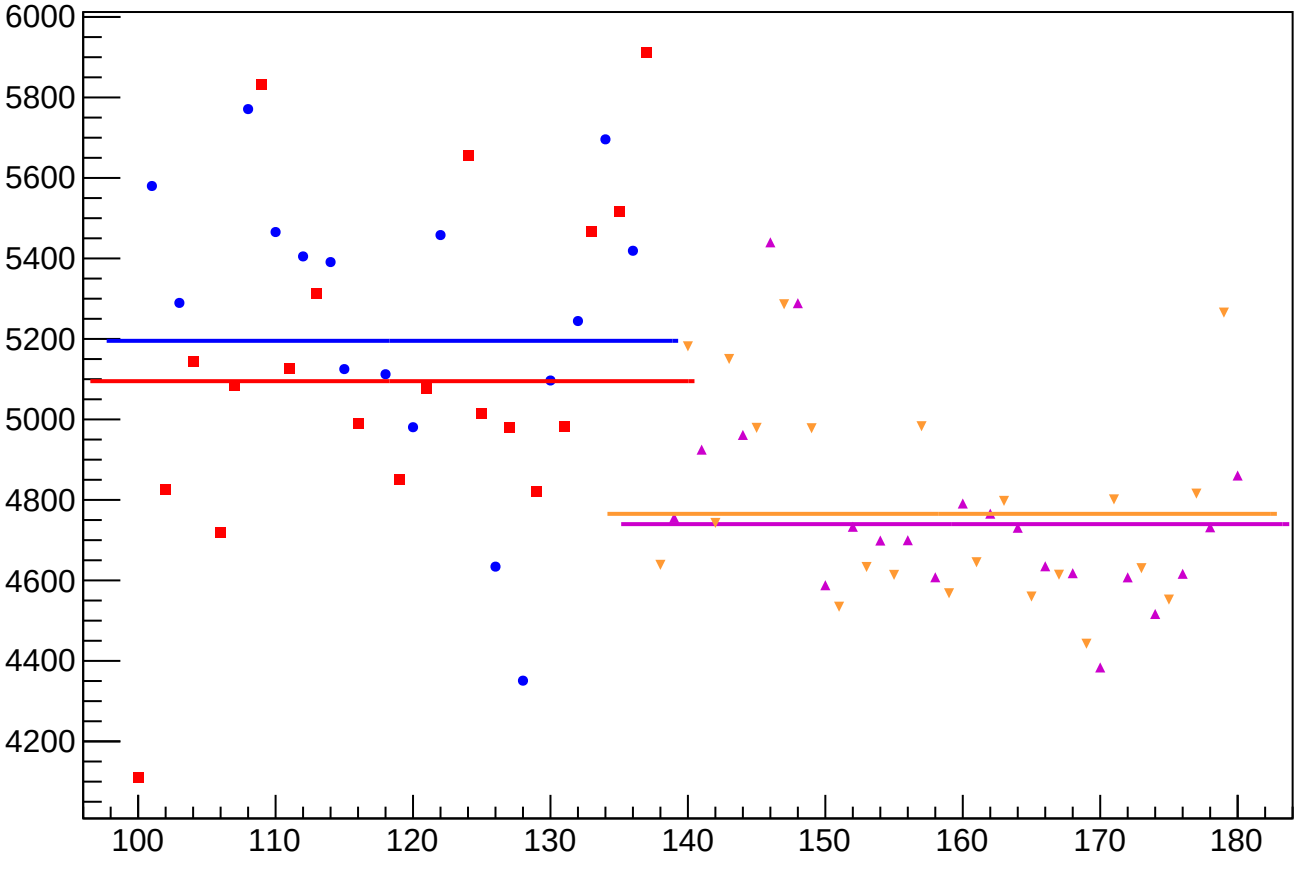
Left In: -4696.678+/-1.169 χ^2/NDF:587132078.3/20

+ sign 8167.099+/-1.009 χ^2/NDF: 2124821459.0/37

All: 4172.298+/-0.710 χ^2/NDF: 4666485908.

- 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: 4765.379+/-0.825 χ^2/NDF:85253.0/21

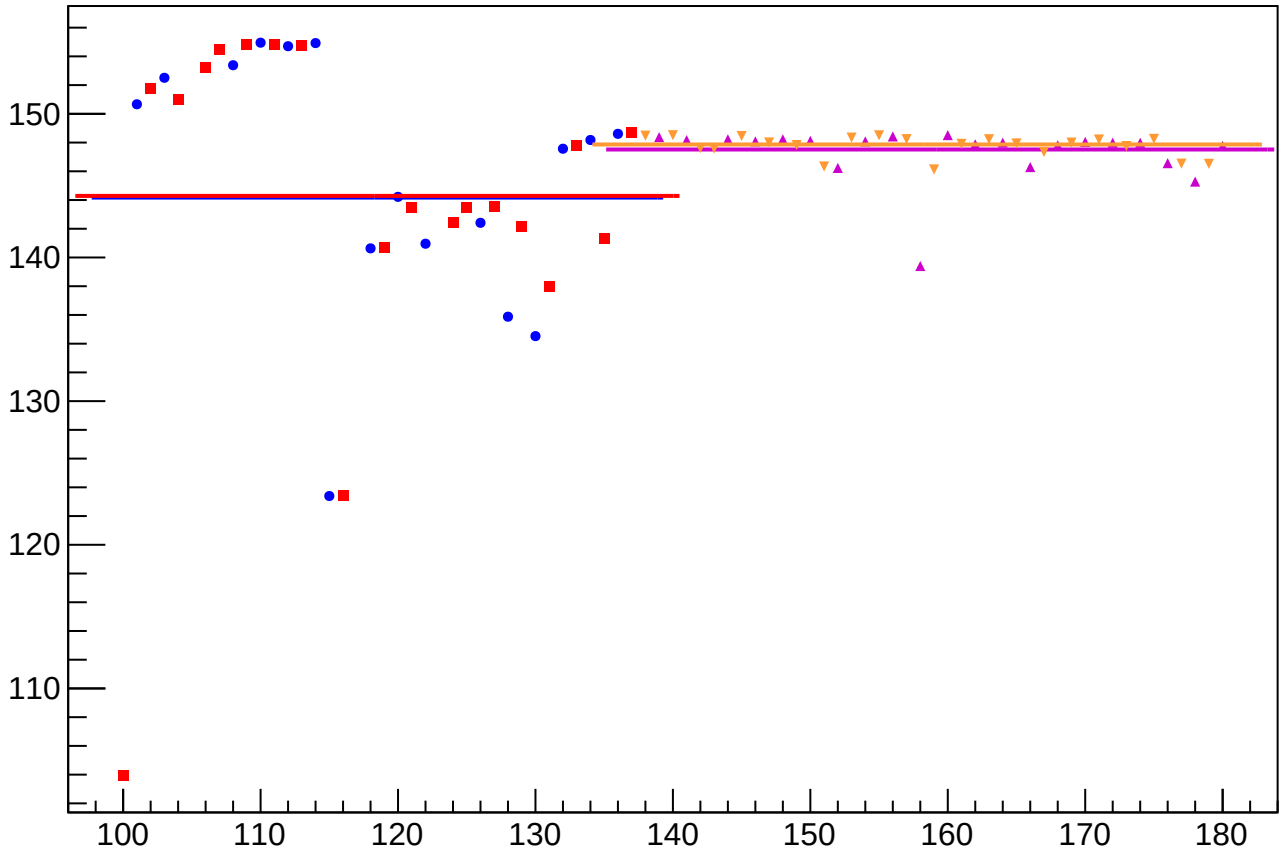
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4739.831+/-0.827 χ^2/NDF:72167.7/20

\+ sign 4874.108+/-0.713 χ^2/NDF: 231082.3/37

All: 4854.647+/-0.502 χ^2/NDF: 413592.5/77

\- 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:44452451.6/21

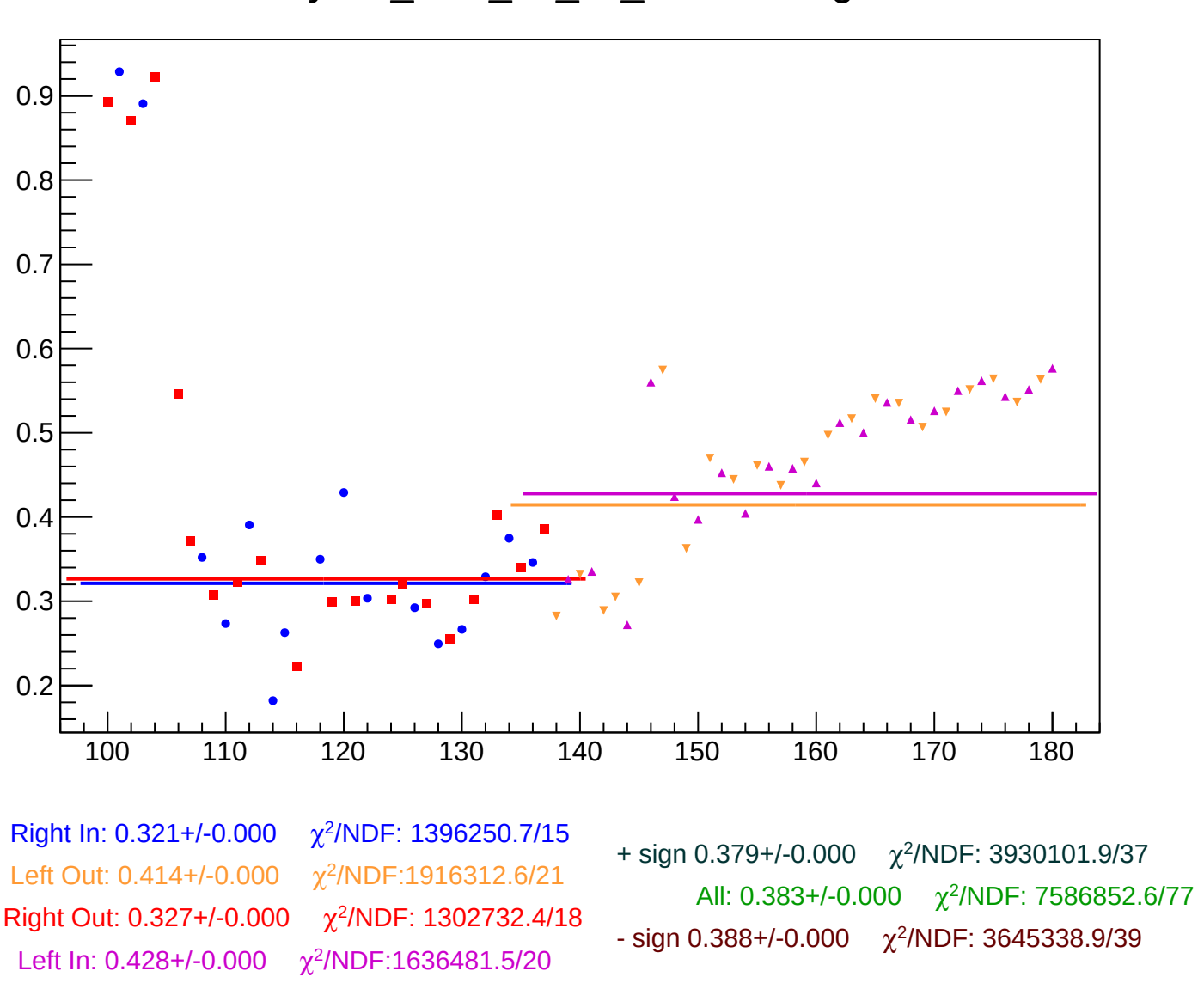
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

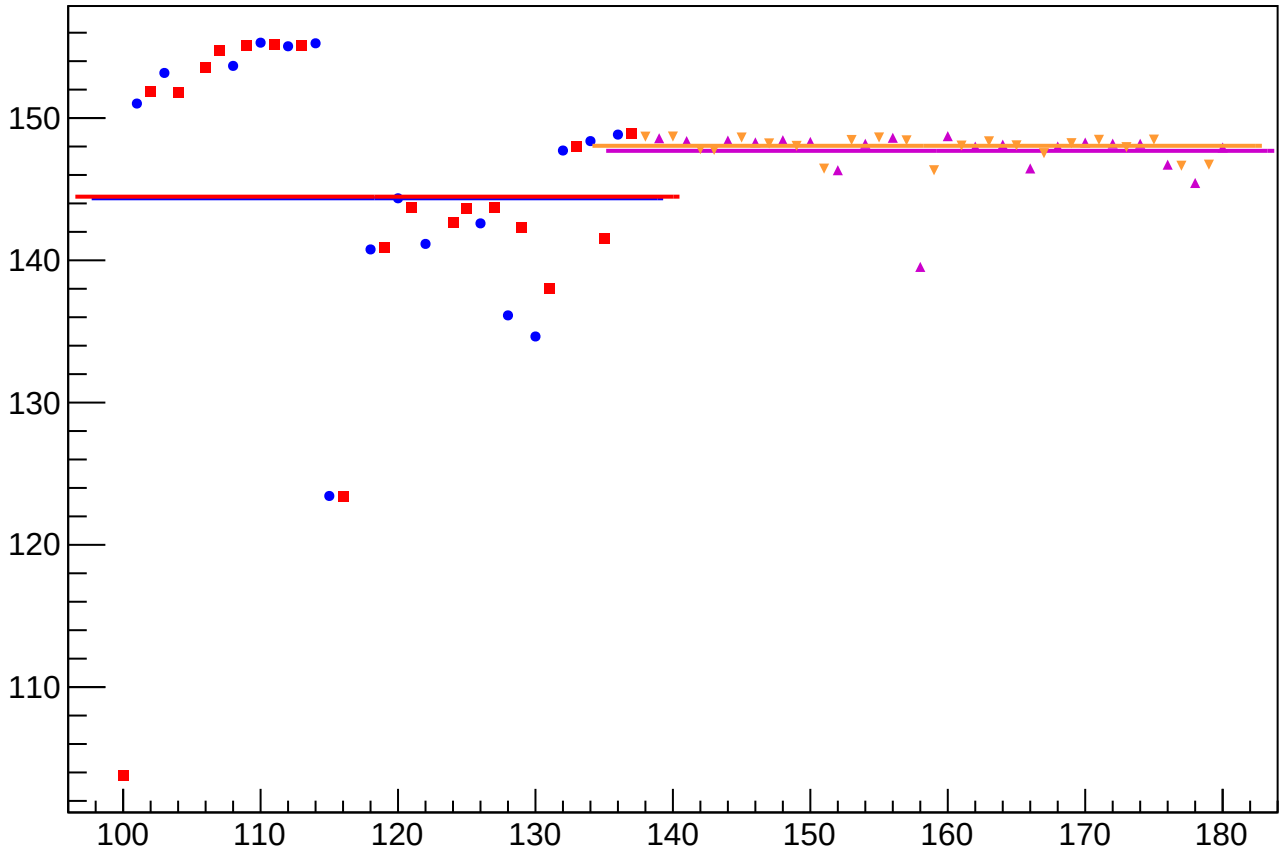
Left In: 147.517+/-0.000 χ^2/NDF:306602131.0/20

+ sign 146.451+/-0.000 χ^2/NDF: 4294817421.6/37

All: 146.344+/-0.000 χ^2/NDF: 9254421132.1

- sign 146.233+/-0.000 χ^2/NDF: 4956109194.2/39


yield_bcm_an_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: 0.321+/-0.000 χ²/NDF: 1396250.7/15
Left Out: 0.414+/-0.000 χ²/NDF:1916312.6/21
Right Out: 0.327+/-0.000 χ²/NDF: 1302732.4/18
Left In: 0.428+/-0.000 χ²/NDF:1636481.5/20
+ sign 0.379+/-0.000 χ²/NDF: 3930101.9/37
All: 0.383+/-0.000 χ²/NDF: 7586852.6/77
- sign 0.388+/-0.000 χ²/NDF: 3645338.9/39



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.051+/-0.000 χ^2/NDF:44872652.6/21

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

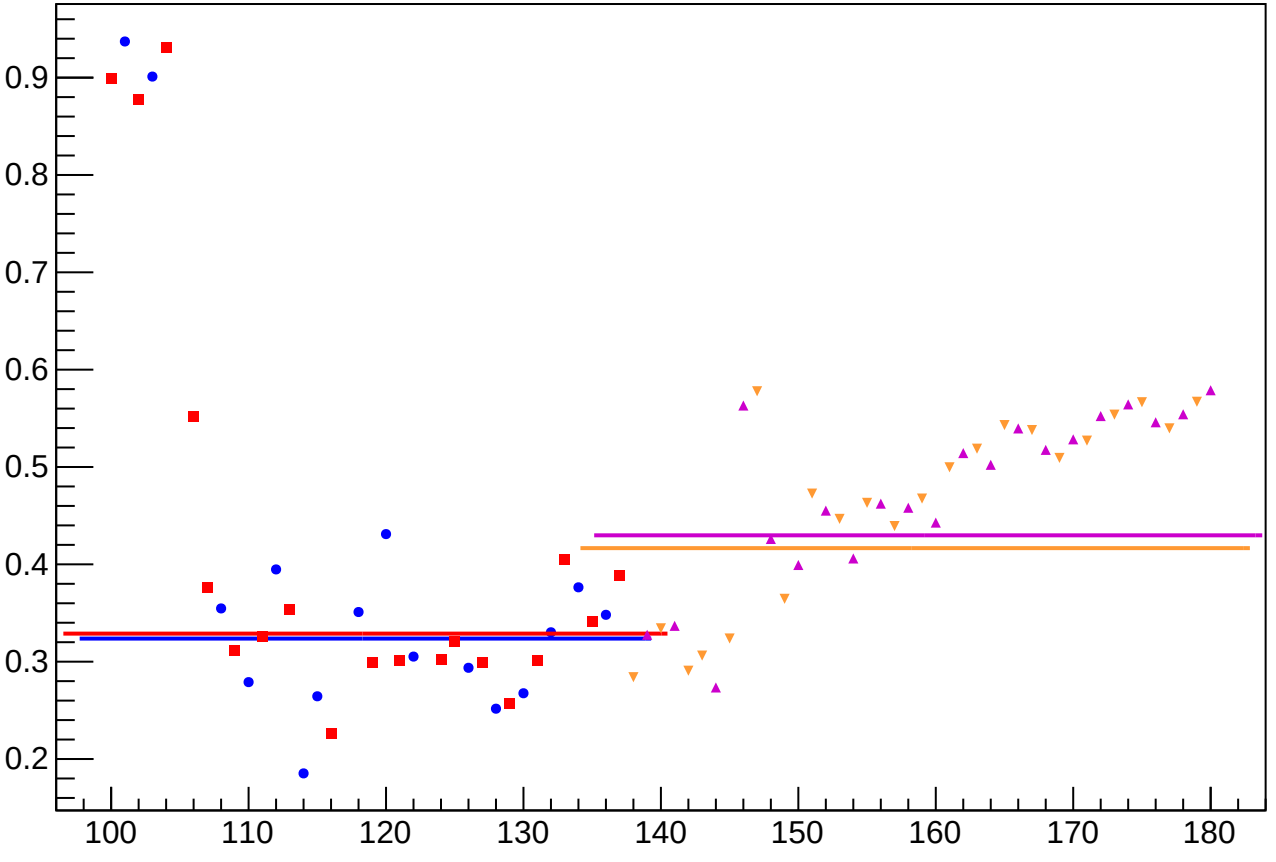
Left In: 147.696+/-0.000 χ^2/NDF:311360168.1/20

+ sign 146.641+/-0.000 χ^2/NDF: 4281448531.2/37

All: 146.532+/-0.000 χ^2/NDF: 9231476504.0

- 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: 0.417+/-0.000 χ^2/NDF:1914371.6/21

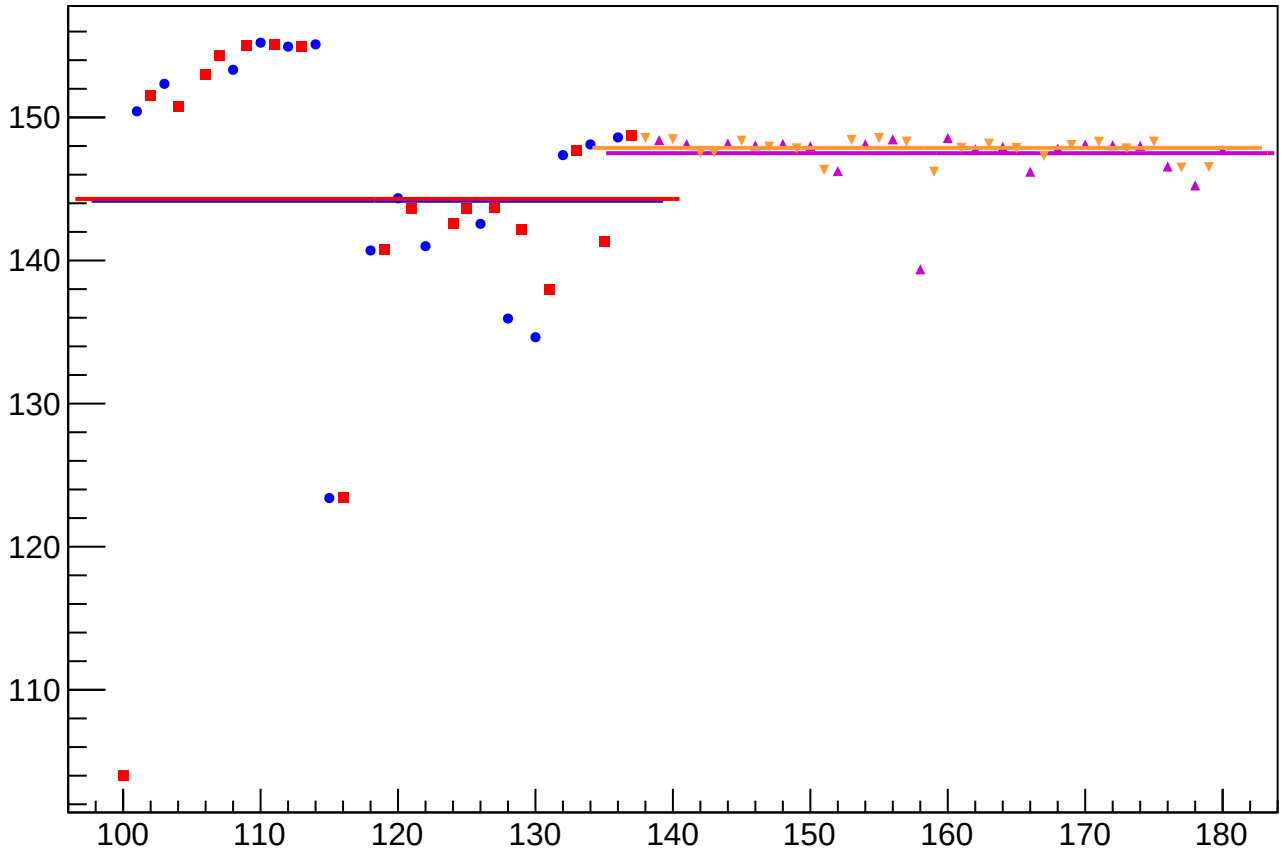
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.430+/-0.000 χ^2/NDF:1635201.6/20

+ sign 0.381+/-0.000 χ^2/NDF: 3912880.1/37

All: 0.385+/-0.000 χ^2/NDF: 7556133.2/77

- 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: 147.871+/-0.000 χ^2/NDF:44817551.1/21

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

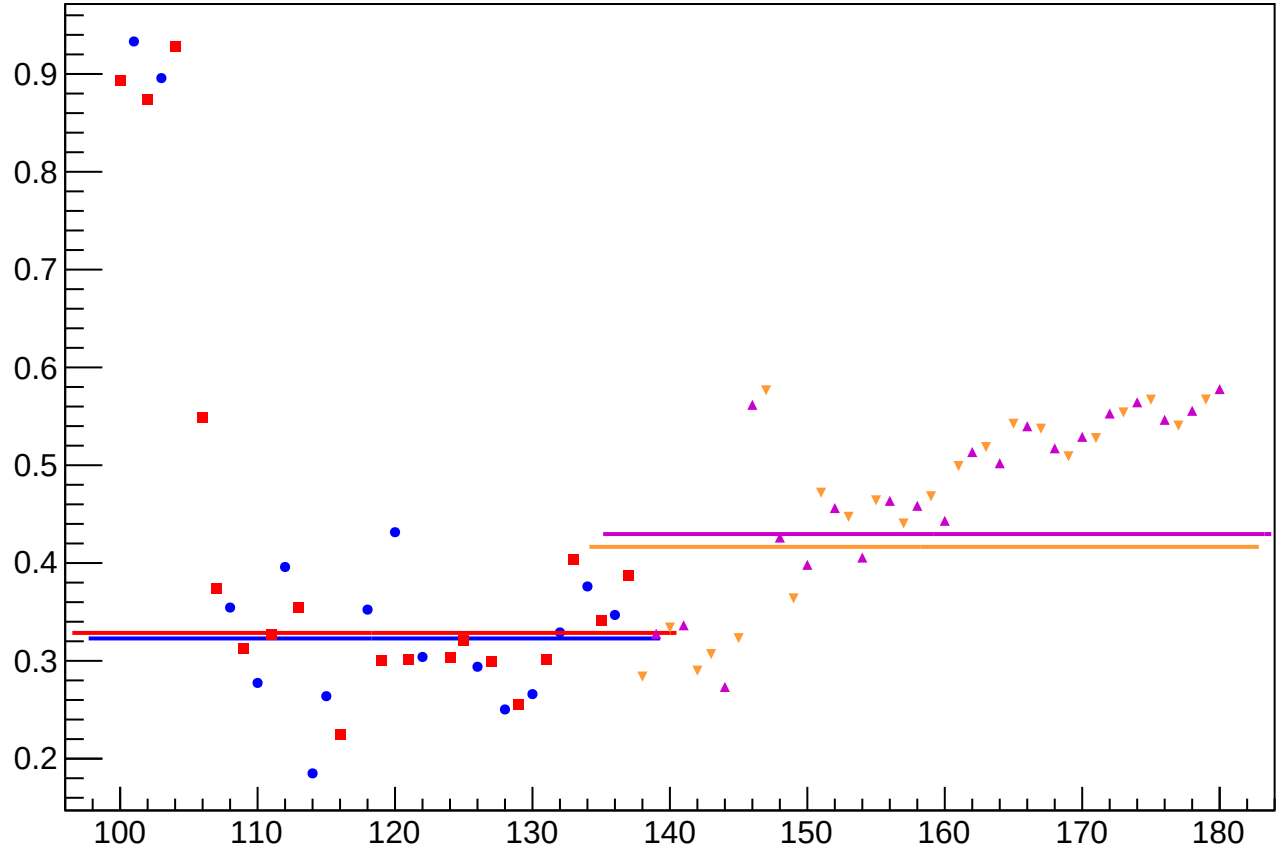
Left In: 147.500+/-0.000 χ^2/NDF:306158788.7/20

+ sign 146.455+/-0.000 χ^2/NDF: 4250166124.5/37

All: 146.347+/-0.000 χ^2/NDF: 9172425595.9

- sign 146.233+/-0.000 χ^2/NDF: 4918663088.5/39

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.417+/-0.000 χ^2/NDF:1919213.7/21

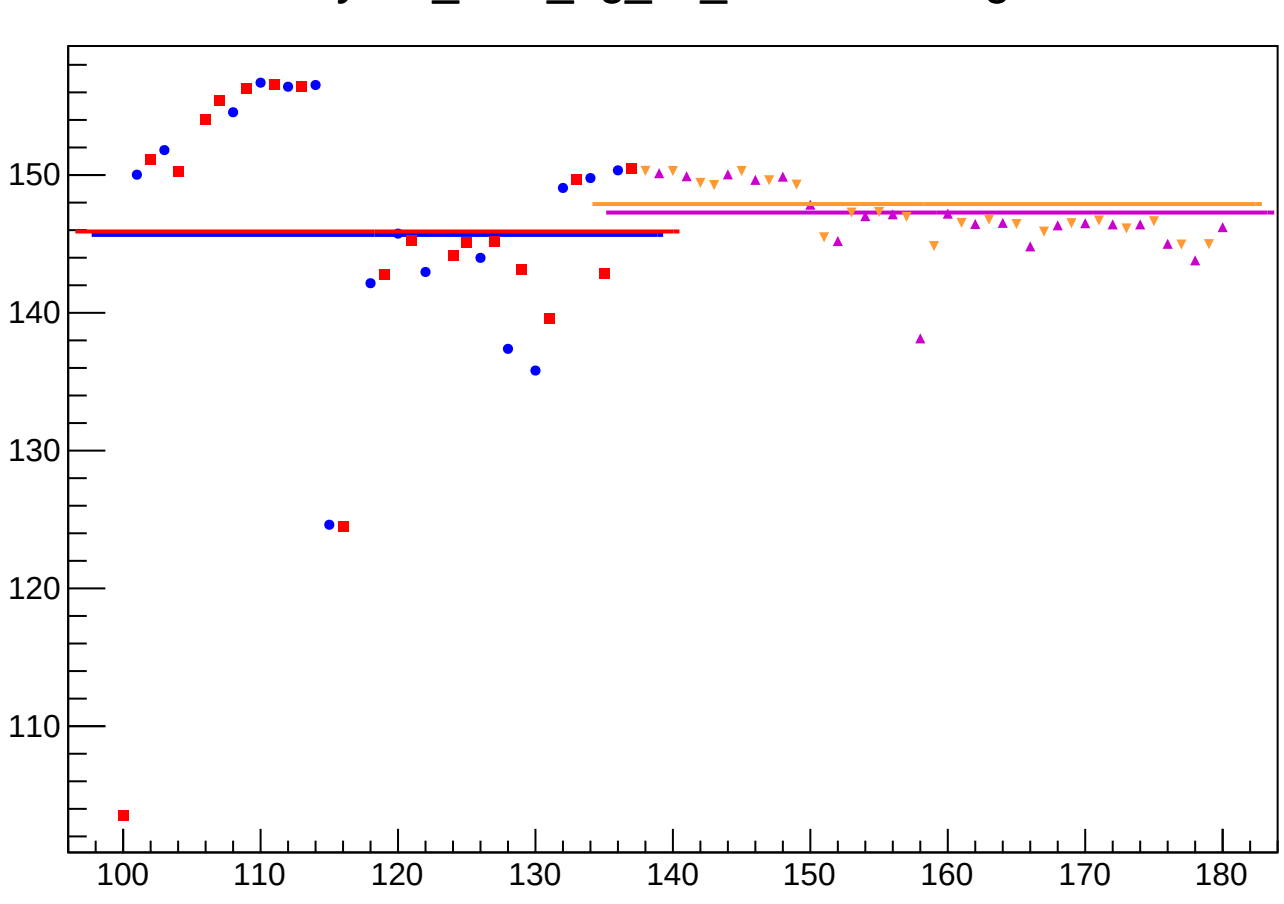
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.430+/-0.000 χ^2/NDF:1641692.8/20

+ sign 0.381+/-0.000 χ^2/NDF: 3932667.1/37

All: 0.385+/-0.000 χ^2/NDF: 7586263.7/77

- sign 0.390+/-0.000 χ^2/NDF: 3642042.9/39



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.895+/-0.000 χ^2/NDF:314302050.8/21

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

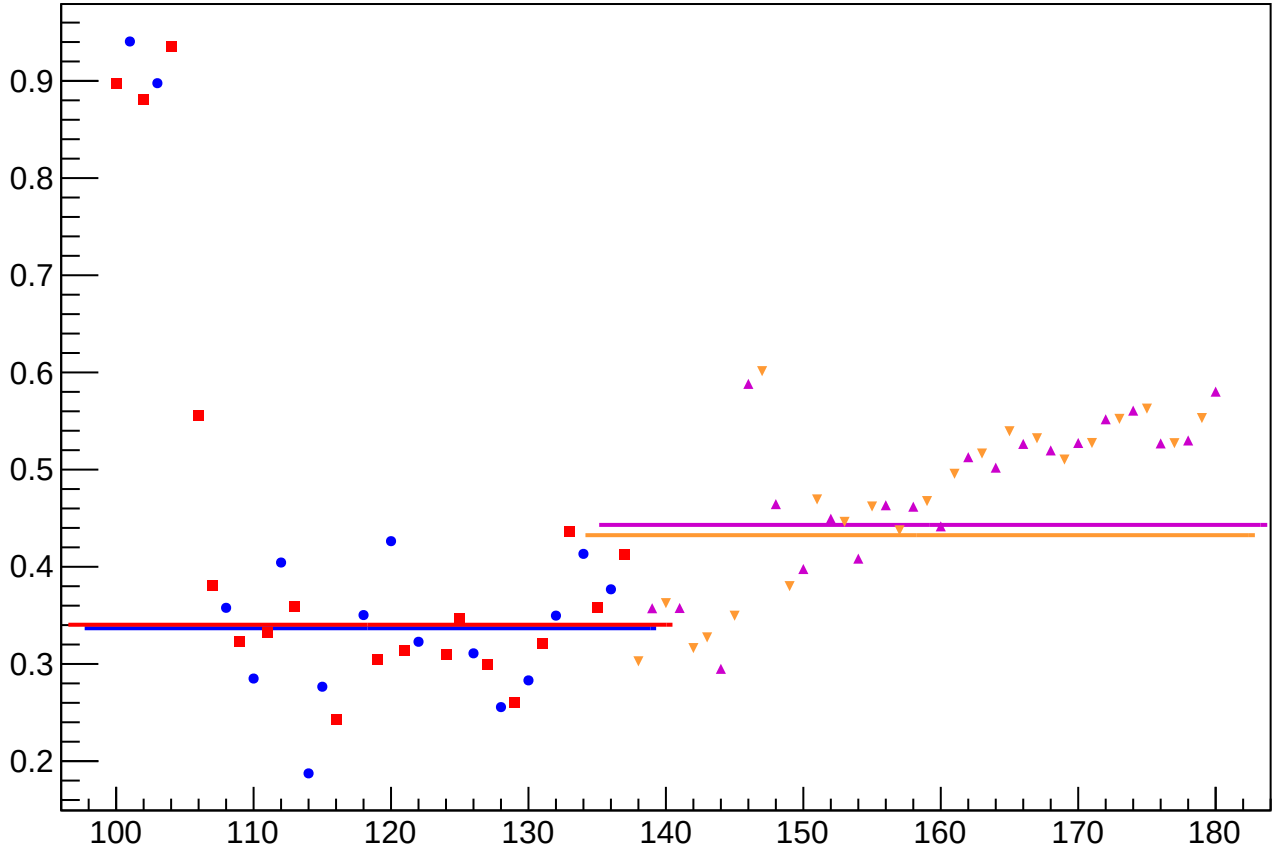
Left In: 147.278+/-0.000 χ^2/NDF:615667595.1/20

+ sign 147.049+/-0.000 χ^2/NDF: 3959272468.8/37

All: 146.897+/-0.000 χ^2/NDF: 8504853375.8

- 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: 0.433+/-0.000 χ^2/NDF:1415310.9/21

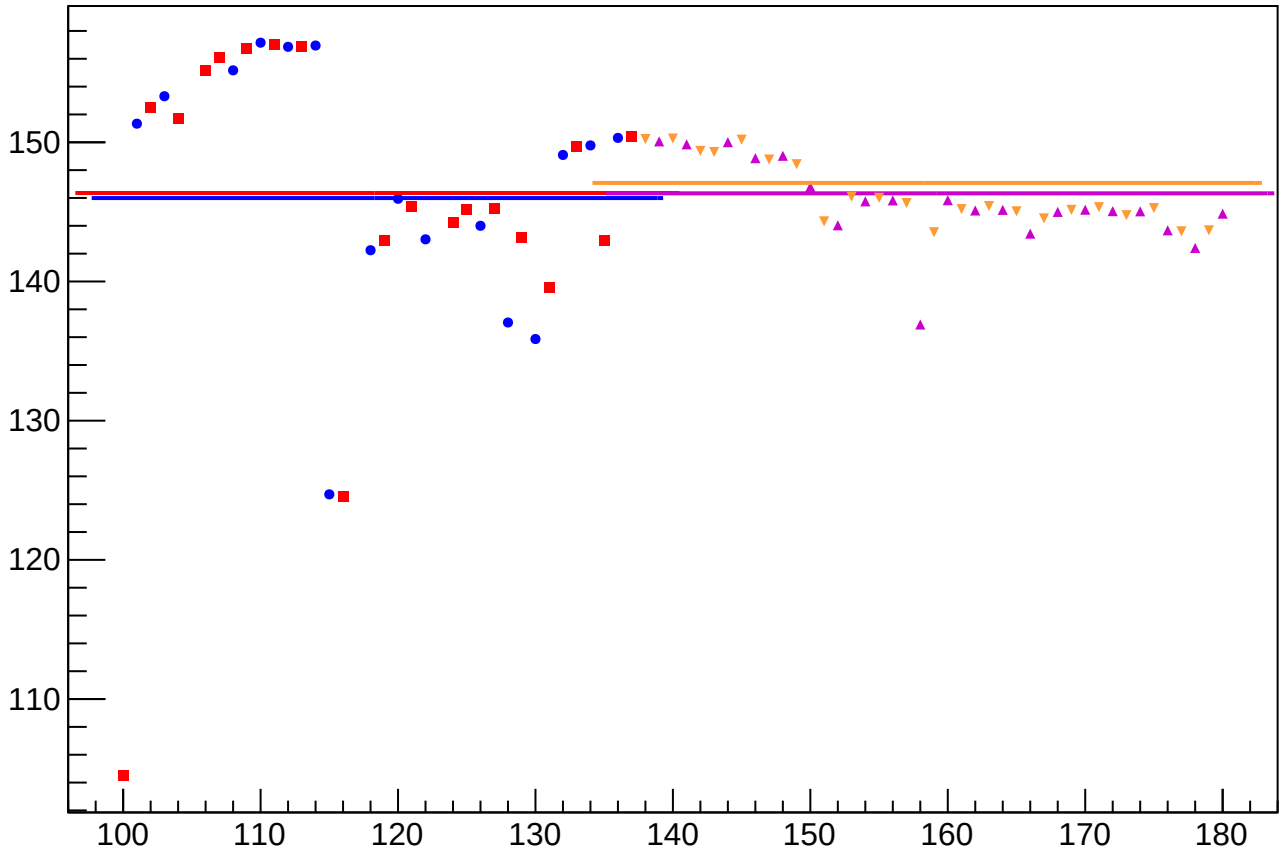
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.443+/-0.000 χ^2/NDF:1234368.3/20

+ sign 0.396+/-0.000 χ^2/NDF: 3384426.0/37

All: 0.400+/-0.000 χ^2/NDF: 6574872.8/77

- 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: 147.082+/-0.000 χ^2/NDF:518826626.7/21

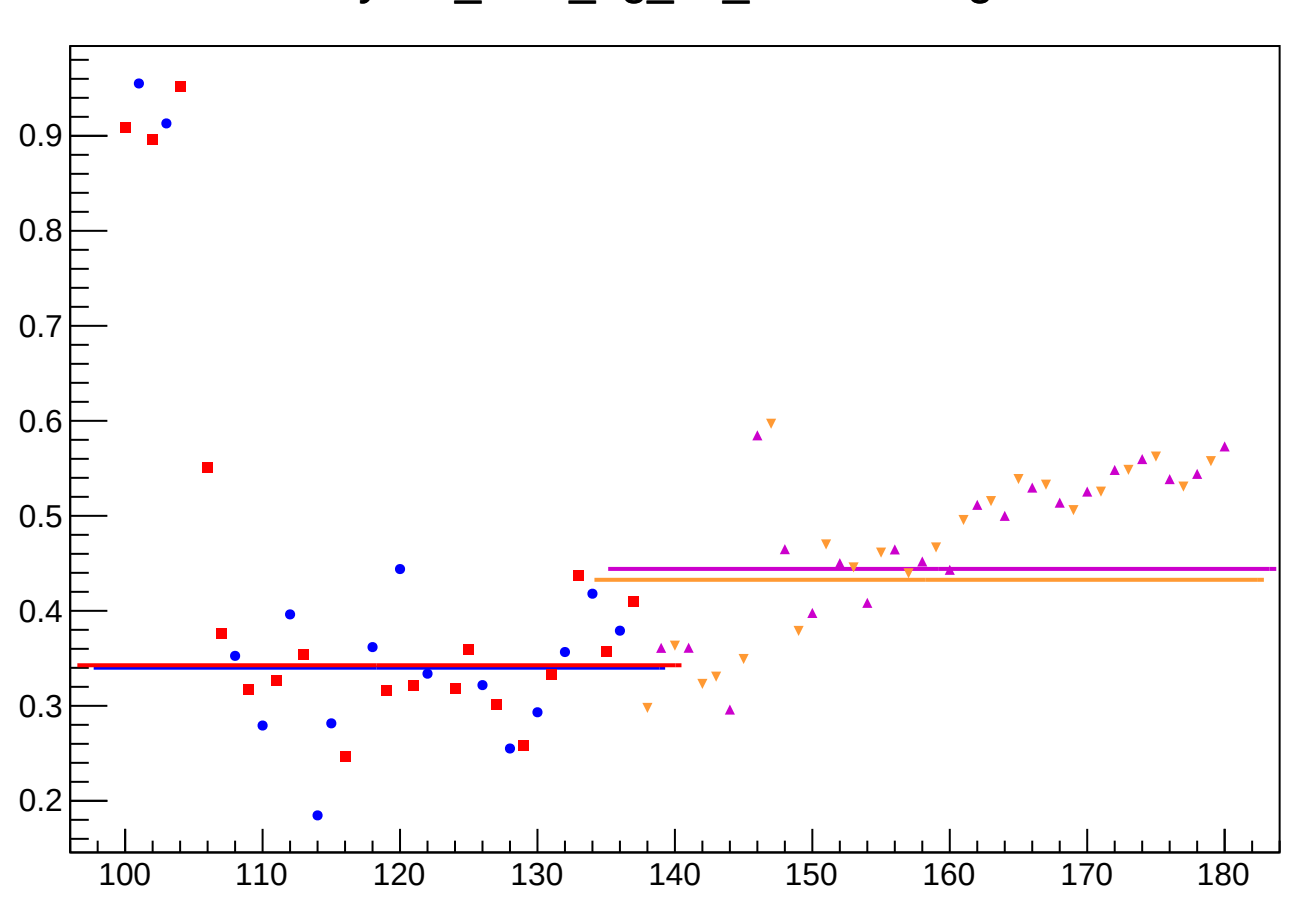
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.334+/-0.000 χ^2/NDF:818531892.1/20

+ sign 146.676+/-0.000 χ^2/NDF: 4178607177.2/37

All: 146.513+/-0.000 χ^2/NDF: 8967748574.2

- sign 146.344+/-0.000 χ^2/NDF: 4781672364.9/39



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.433+/-0.000 χ^2/NDF:1405892.0/21

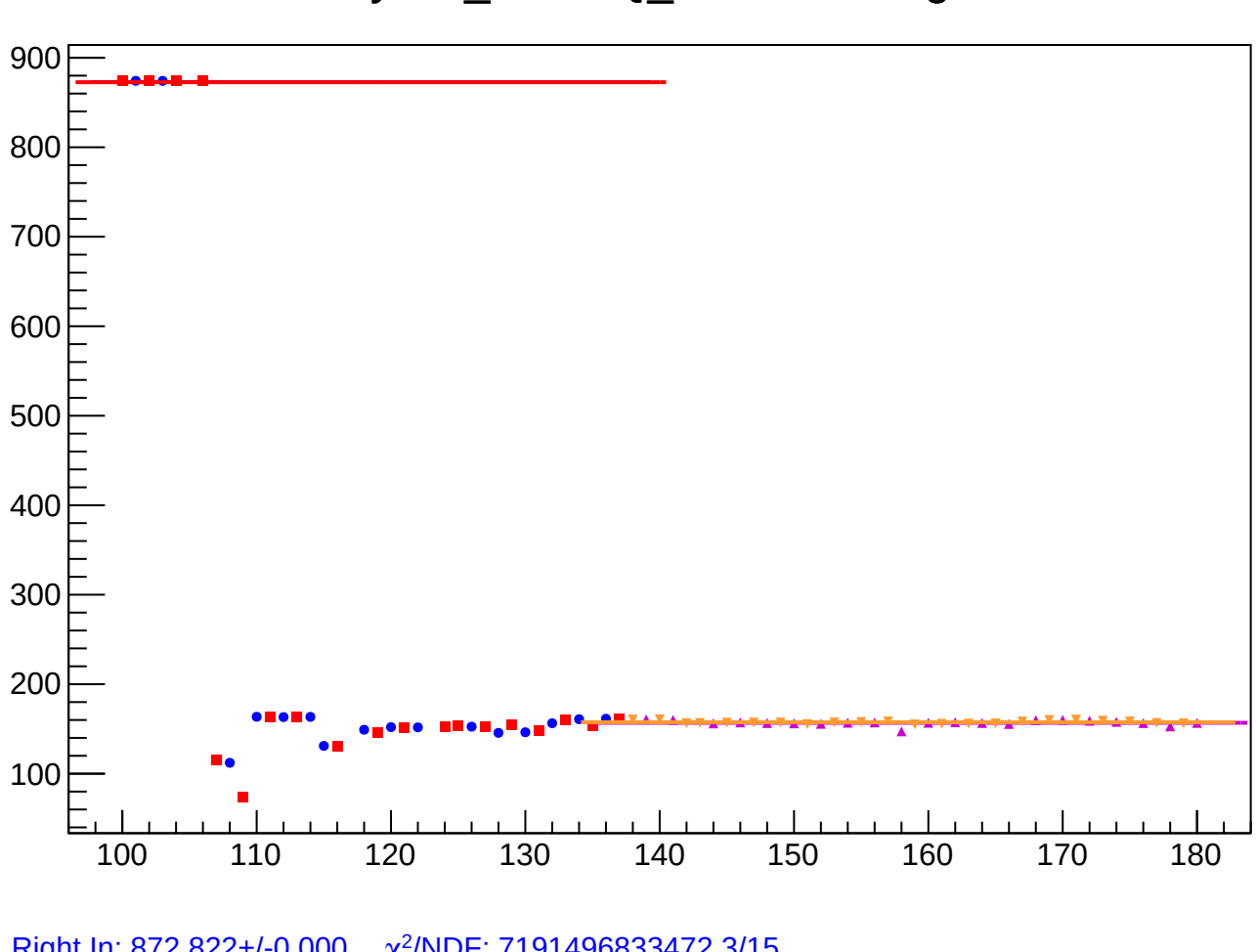
Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.444+/-0.000 χ^2/NDF:1198921.2/20

+ sign 0.398+/-0.000 χ^2/NDF: 3349164.2/37

All: 0.401+/-0.000 χ^2/NDF: 6475373.6/77

- sign 0.405+/-0.000 χ^2/NDF: 3120405.5/39



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.487+/-0.000 χ^2/NDF:95620728.2/21

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

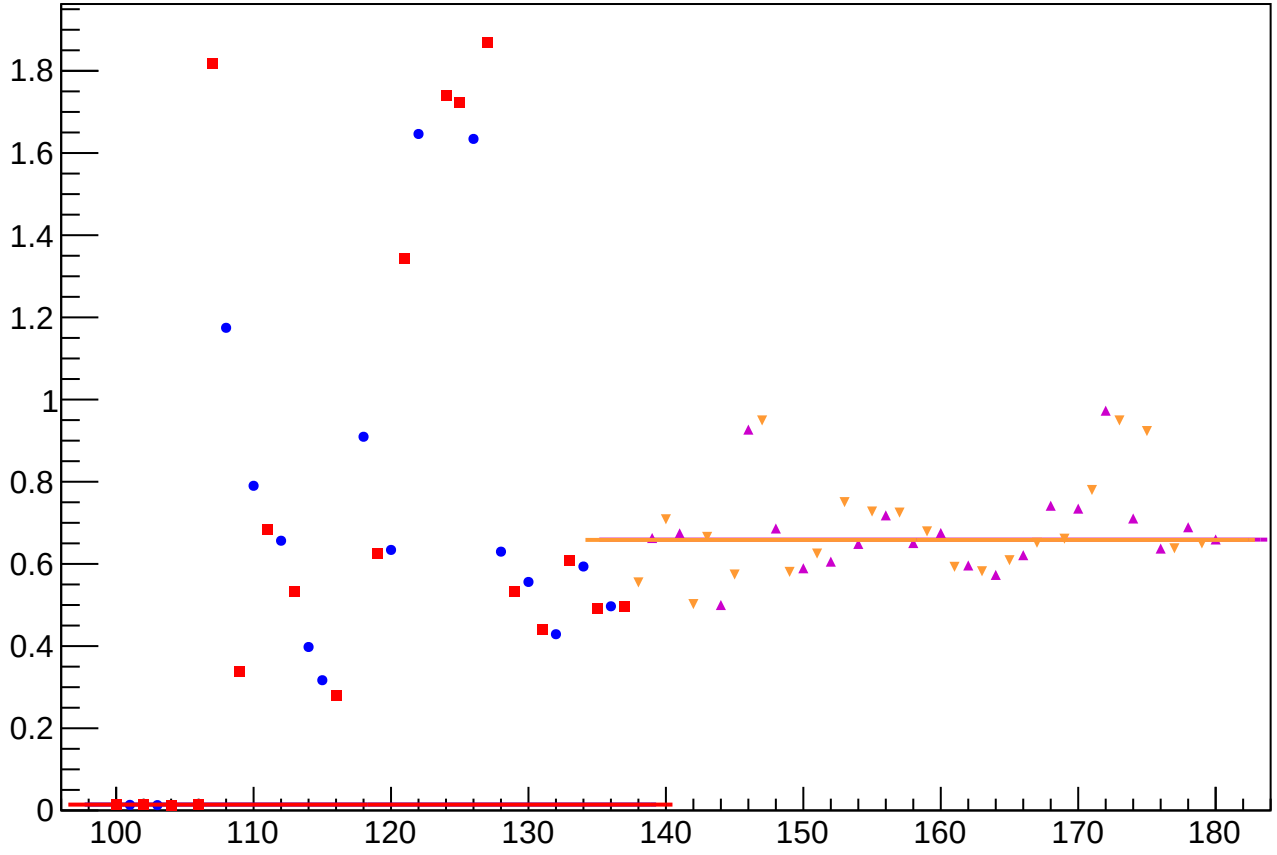
Left In: 156.873+/-0.000 χ^2/NDF:227244360.7/20

+ sign 869.736+/-0.000 χ^2/NDF: 22920872676629.

All: 869.874+/-0.000 χ^2/NDF: 47841610406

- sign 869.995+/-0.000 χ^2/NDF: 24920480357985.

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.658+/-0.000 χ^2/NDF:607042.7/21

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

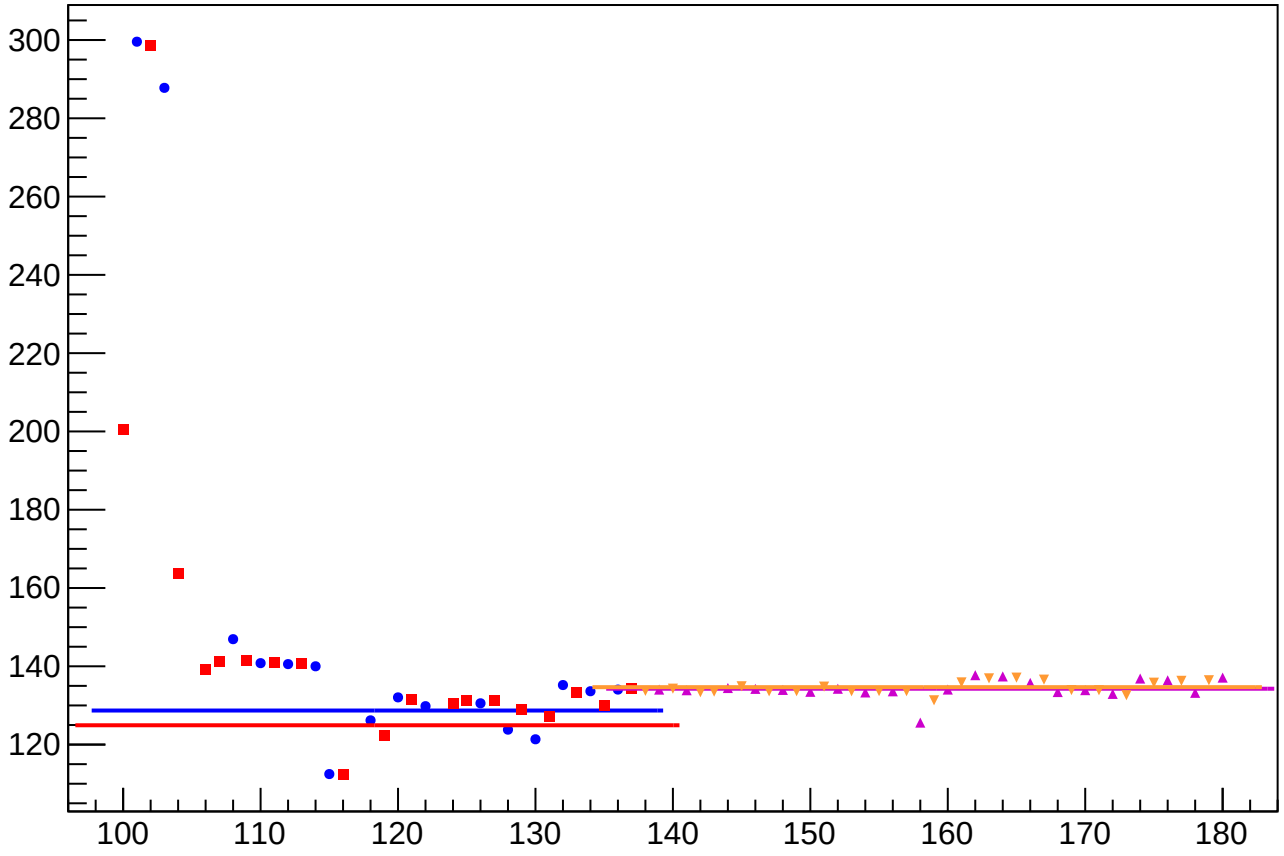
Left In: 0.659+/-0.000 χ^2/NDF:464584.3/20

+ sign 0.017+/-0.000 χ^2/NDF: 35731124.7/37

All: 0.017+/-0.000 χ^2/NDF: 71179102.8/77

- 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: 134.668+/-0.000 χ^2/NDF:148739705.3/21

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

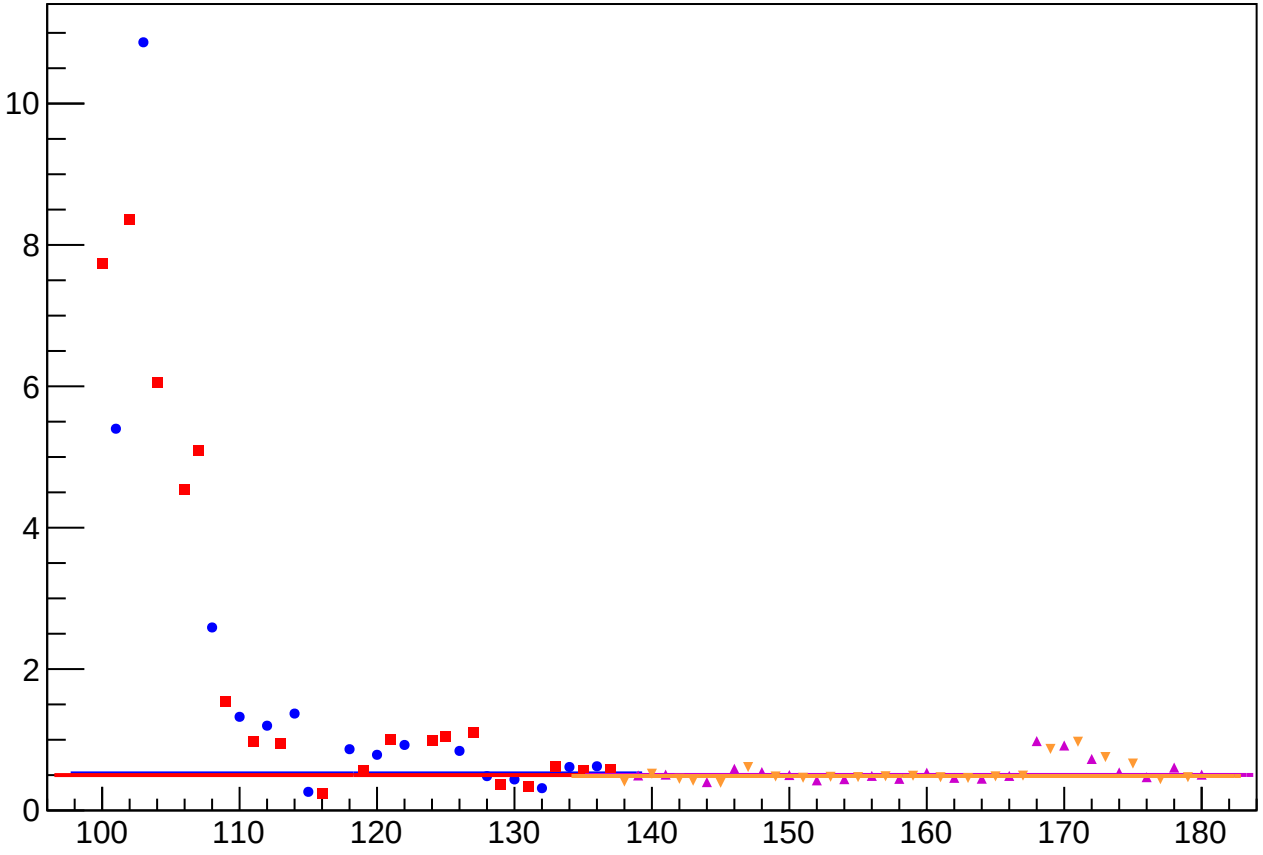
Left In: 134.270+/-0.000 χ^2/NDF:440160493.0/20

+ sign 133.629+/-0.000 χ^2/NDF: 2198030276.3/37

All: 133.070+/-0.000 χ^2/NDF: 5074021690.9

- 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: 0.487+/-0.000 χ^2/NDF:1166430.8/21

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

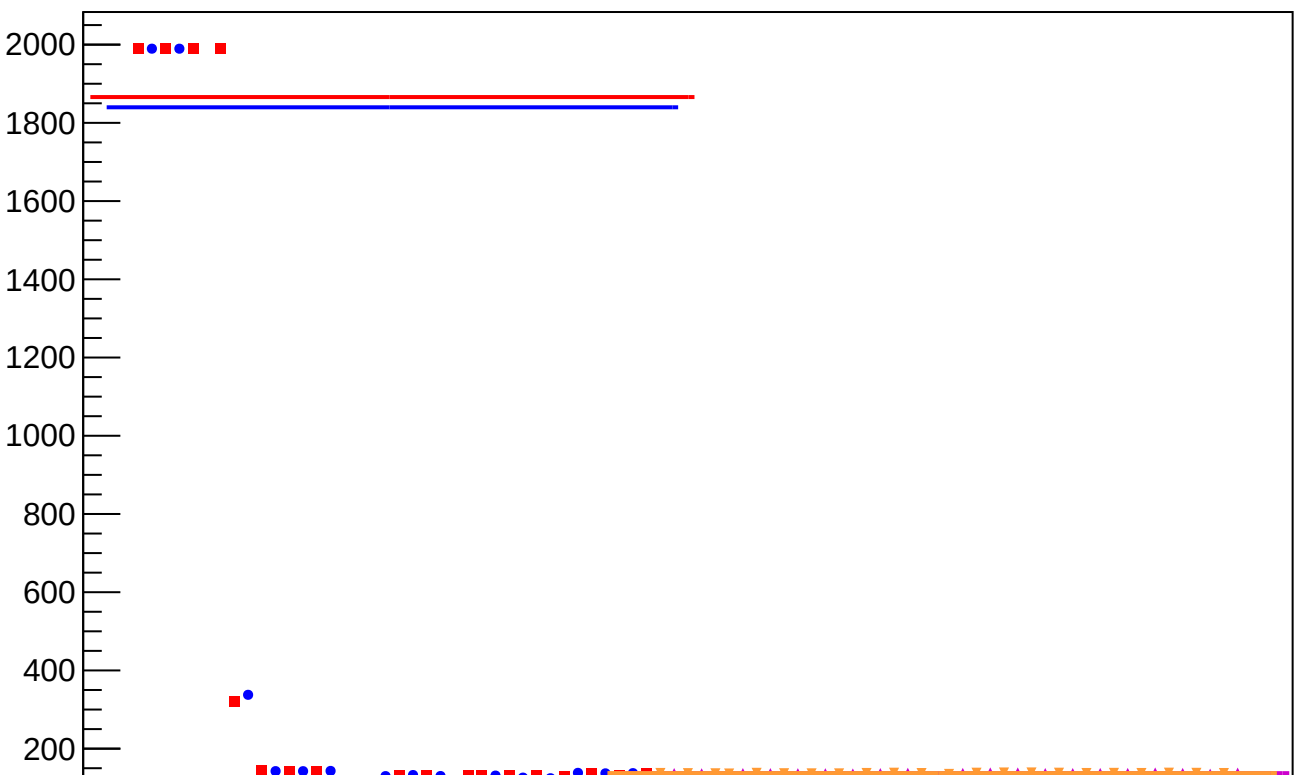
Left In: 0.502+/-0.000 χ^2/NDF:1136035.0/20

+ sign 0.494+/-0.000 χ^2/NDF: 5334524.7/37

All: 0.498+/-0.000 χ^2/NDF: 11359671.4/77

- 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: 137.558+/-0.000 χ^2/NDF:62966106.8/21

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

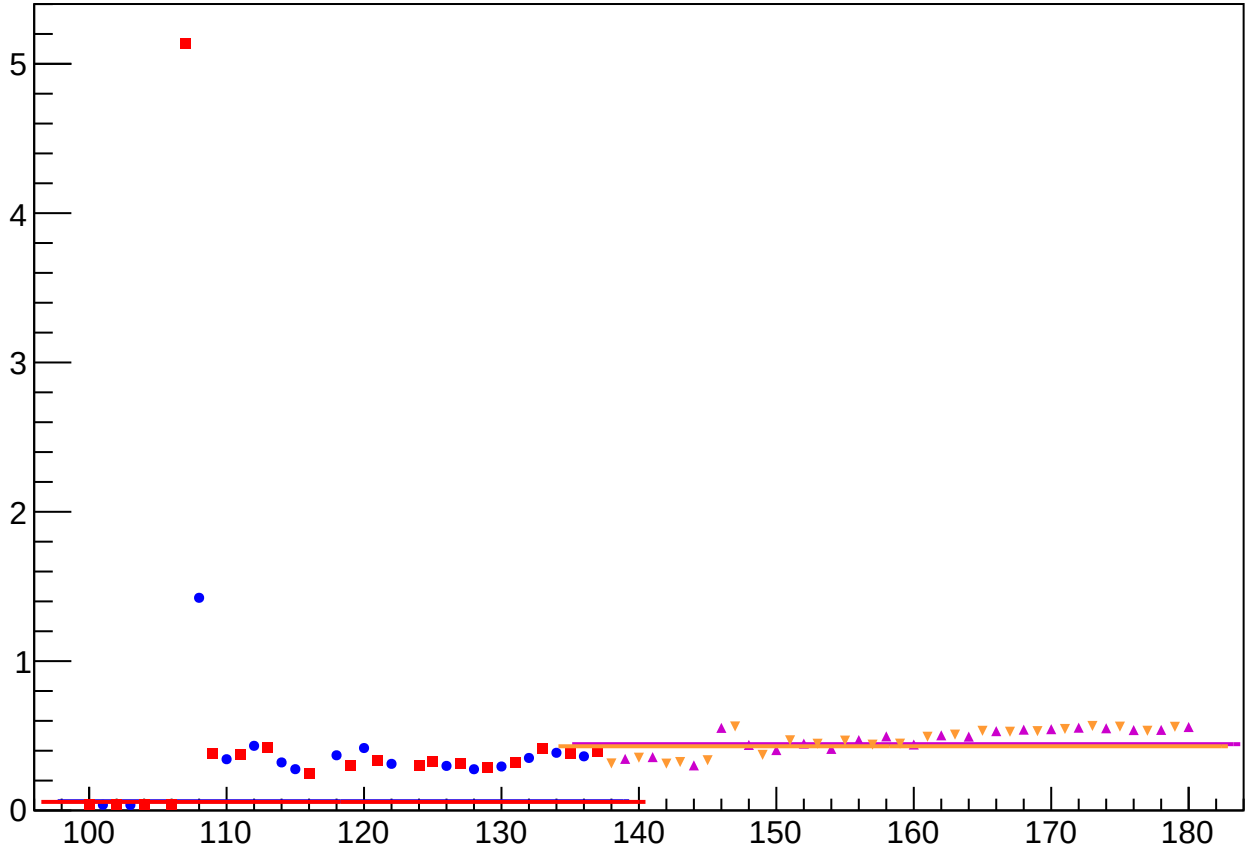
Left In: 137.342+/-0.000 χ^2/NDF:248642275.8/20

+ sign 1612.706+/-0.000 χ^2/NDF: 3663664858849

All: 1646.759+/-0.000 χ^2/NDF: 728412584

- sign 1676.728+/-0.000 χ^2/NDF: 3606116083864

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.430+/-0.000 χ^2/NDF:1452596.3/21

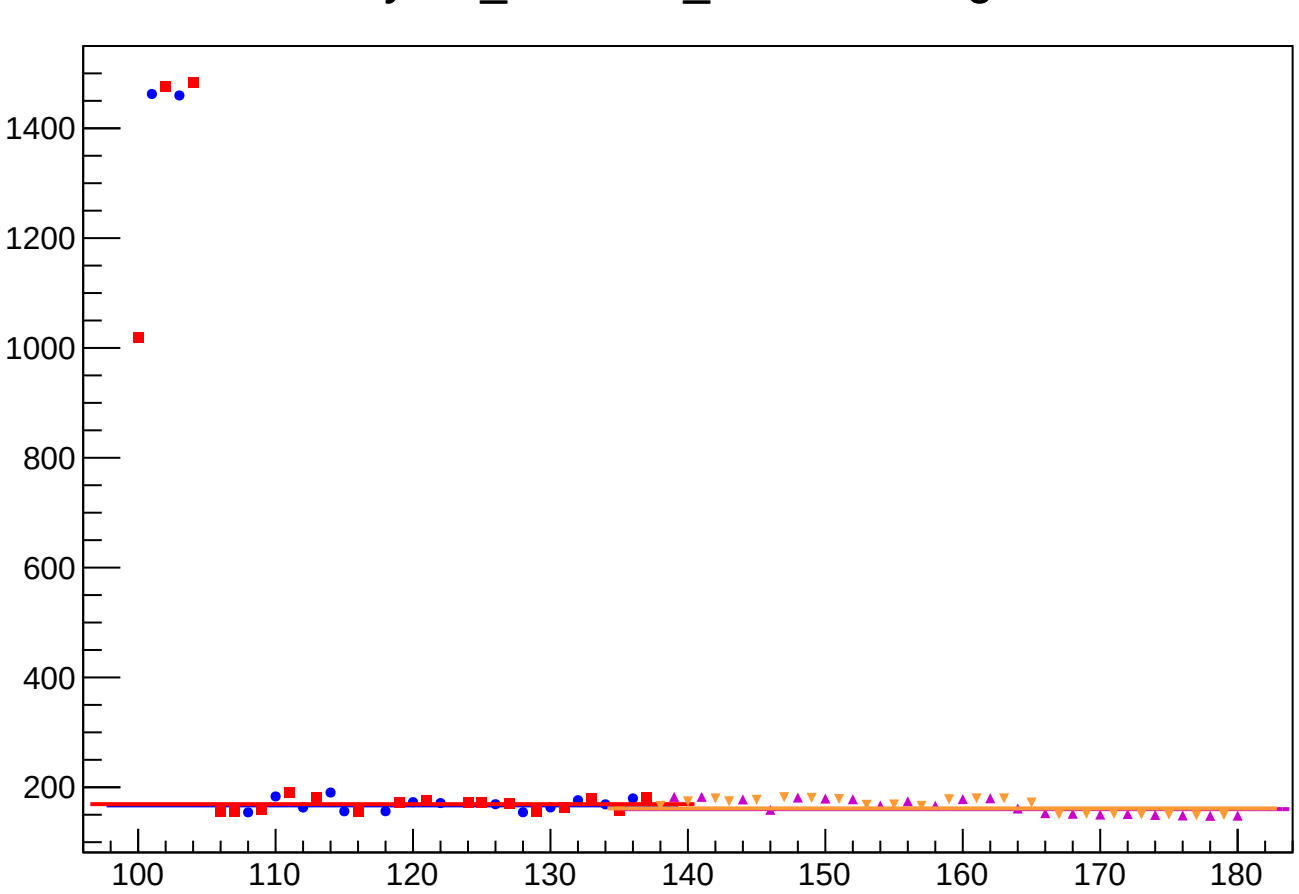
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.444+/-0.000 χ^2/NDF:1202240.7/20

+ sign 0.111+/-0.000 χ^2/NDF: 30241050.8/37

All: 0.105+/-0.000 χ^2/NDF: 61064863.4/77

- 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: 161.547+/-0.000 χ^2/NDF:3466290501.4/21

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

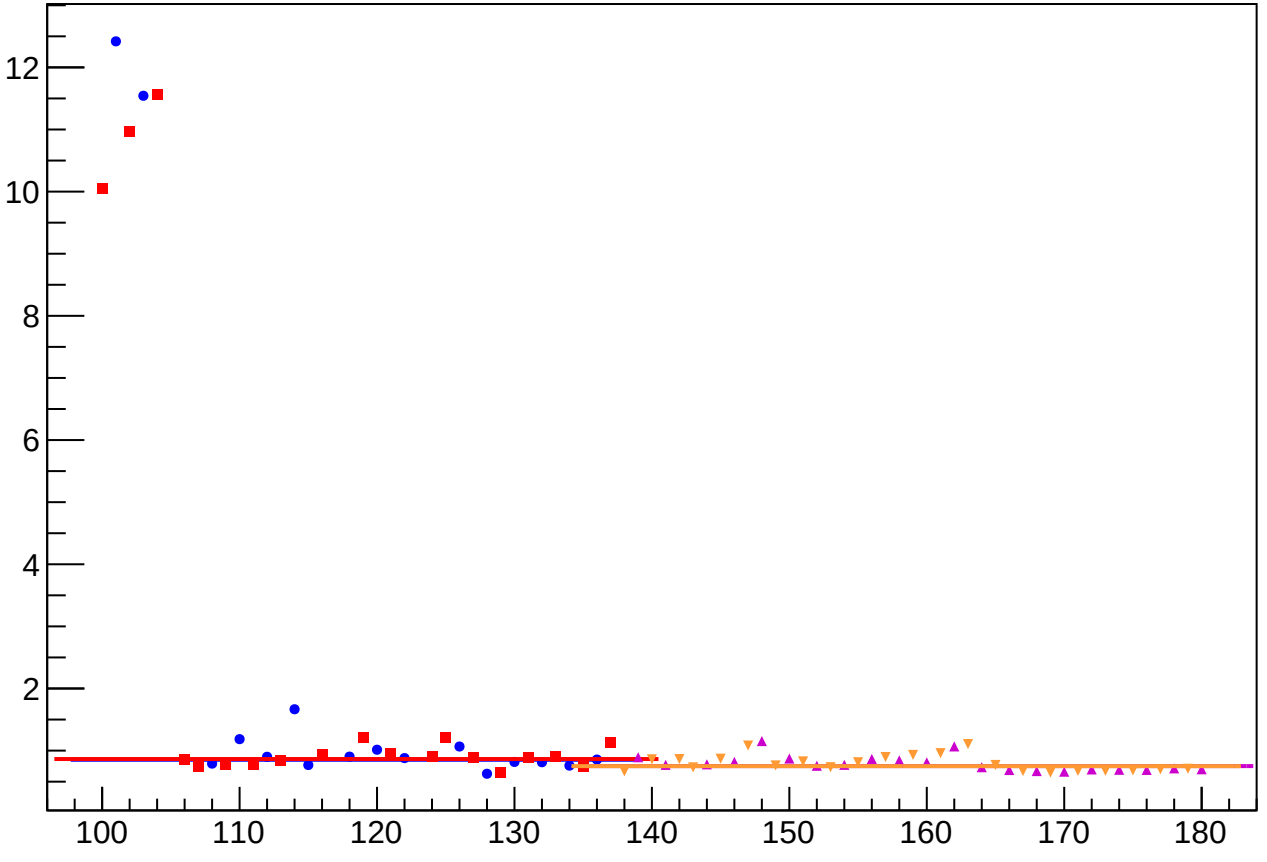
Left In: 160.199+/-0.000 χ^2/NDF:3711042195.0/20

+ sign 162.590+/-0.000 χ^2/NDF: 18209506837.7/37

All: 162.276+/-0.000 χ^2/NDF: 38603514250.

- 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: 0.750+/-0.000 χ^2/NDF:539105.4/21

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

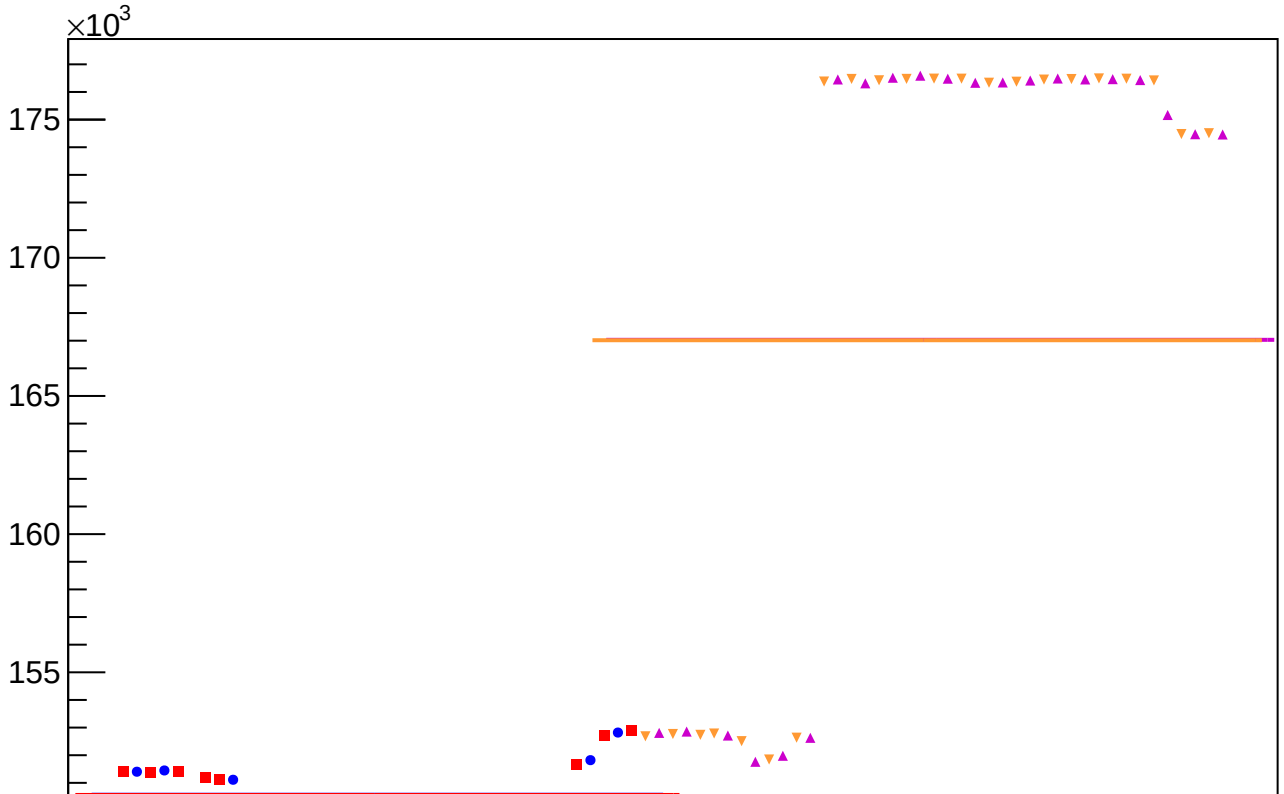
Left In: 0.751+/-0.000 χ^2/NDF:436188.9/20

+ sign 0.770+/-0.000 χ^2/NDF: 2932543.3/37

All: 0.771+/-0.000 χ^2/NDF: 5691500.1/77

- sign 0.773+/-0.000 χ^2/NDF: 2758649.6/39

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167016.723+/-0.048 χ^2/NDF:58391880135.2/21

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

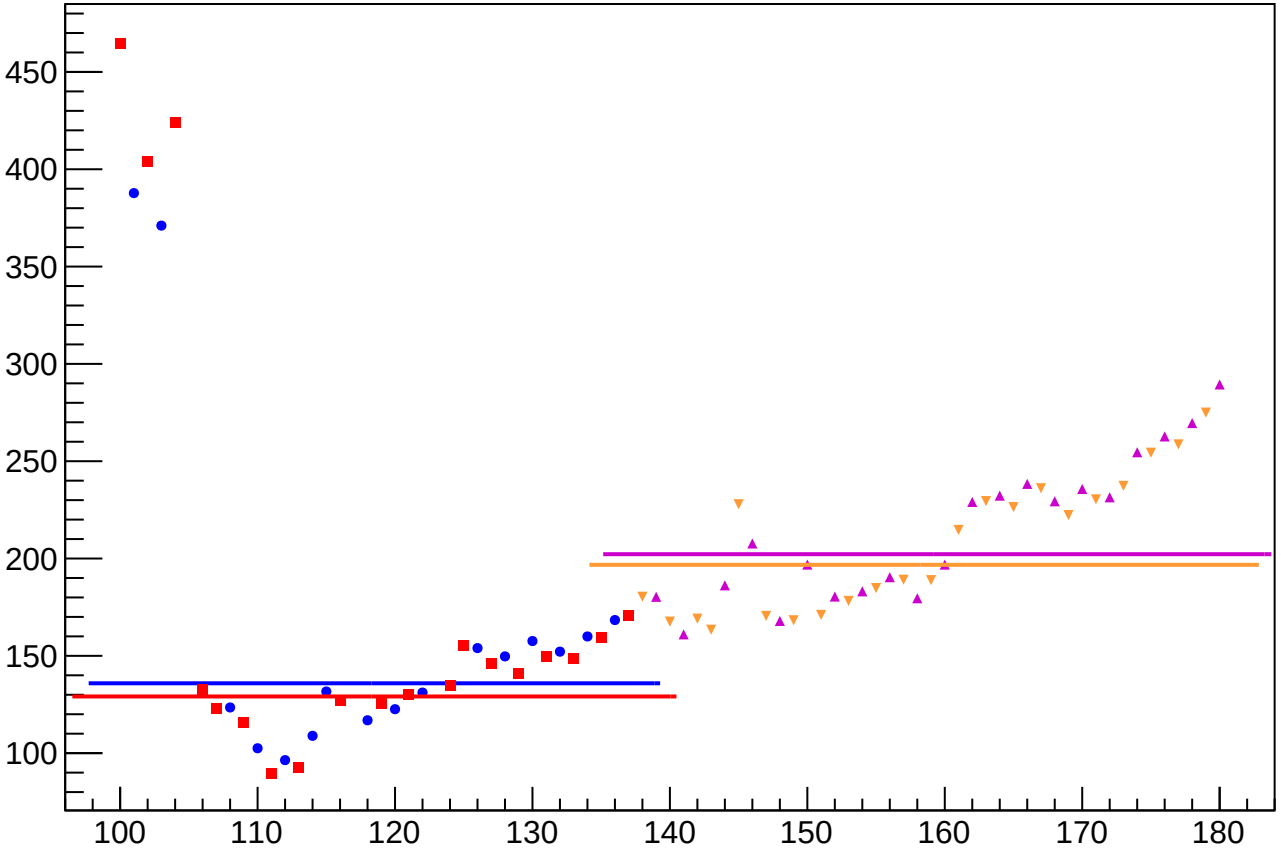
Left In: 167031.182+/-0.050 χ^2/NDF:54510583815.3/20

+ sign 159861.590+/-0.036 χ^2/NDF: 10988154145

All: 159438.094+/-0.025 χ^2/NDF: 2184949

- sign 159025.682+/-0.036 χ^2/NDF: 10834056015

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 196.763+/-0.034 χ^2/NDF:856636.9/21

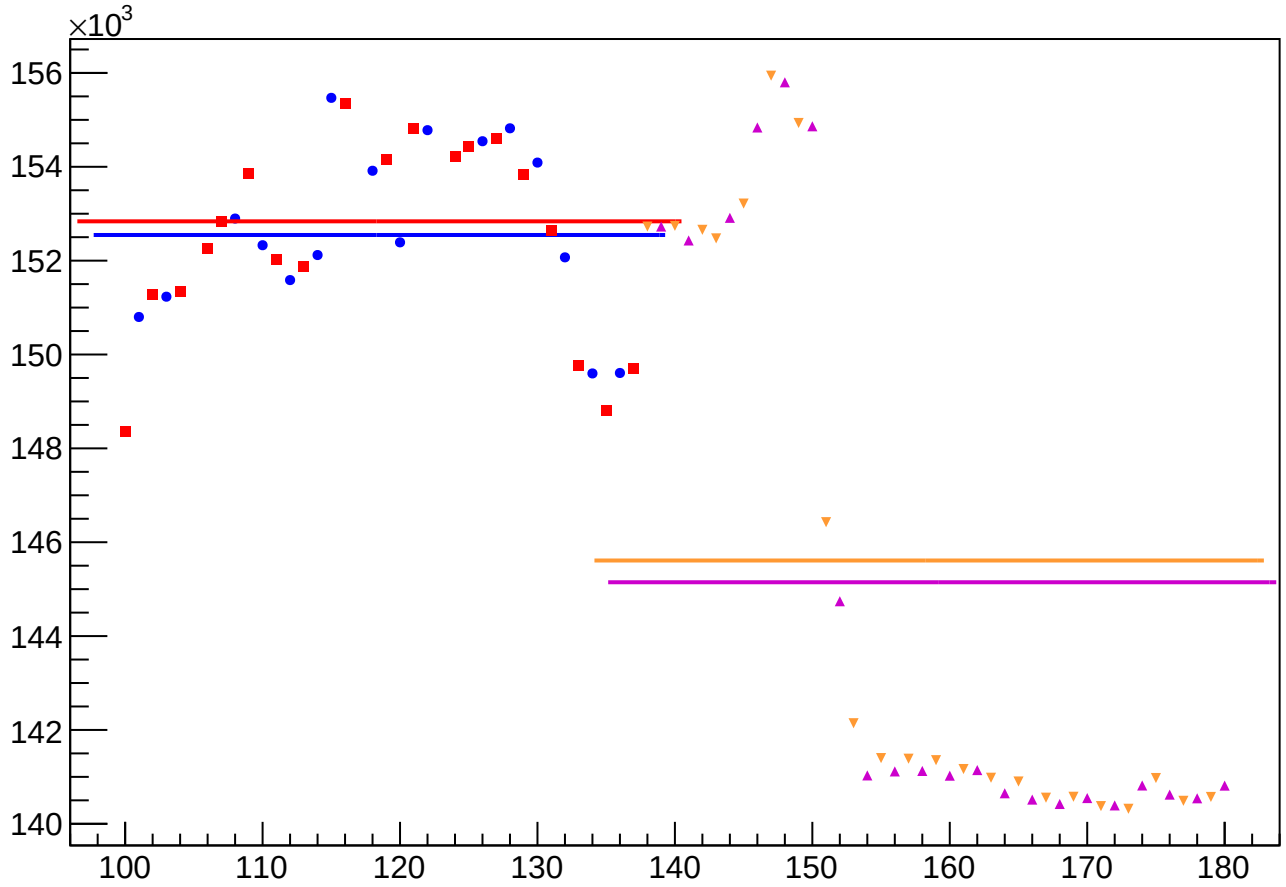
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 202.228+/-0.035 χ^2/NDF:860171.7/20

+ sign 170.285+/-0.025 χ^2/NDF: 3676696.9/37

All: 168.467+/-0.018 χ^2/NDF: 8274217.9/77

- 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: 145610.695+/-0.051 χ^2/NDF:13007976649.8/21

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

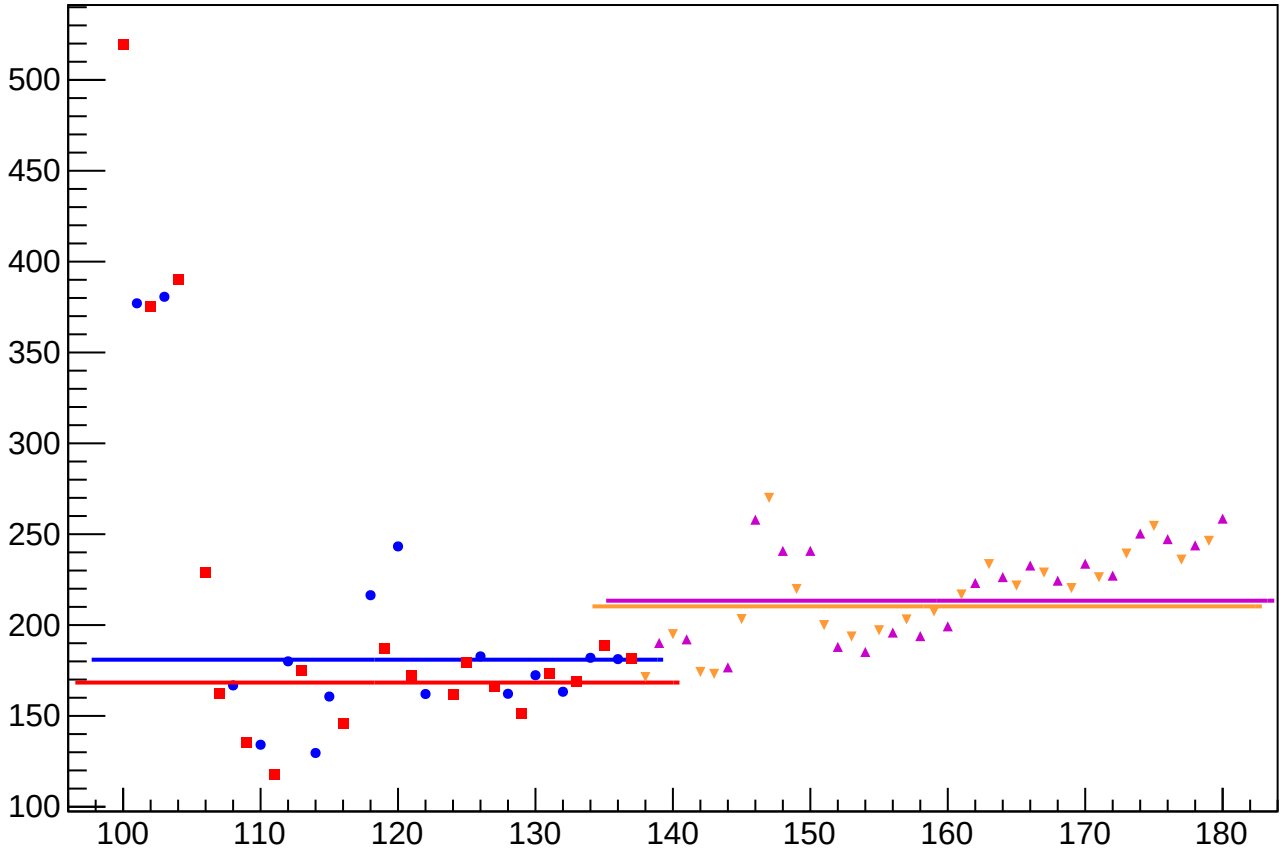
Left In: 145147.047+/-0.052 χ^2/NDF:12818531448.7/20

+ sign 147904.619+/-0.042 χ^2/NDF: 19769085001.

All: 147986.978+/-0.029 χ^2/NDF: 41590173

- 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: 210.273+/-0.036 χ^2/NDF:478356.0/21

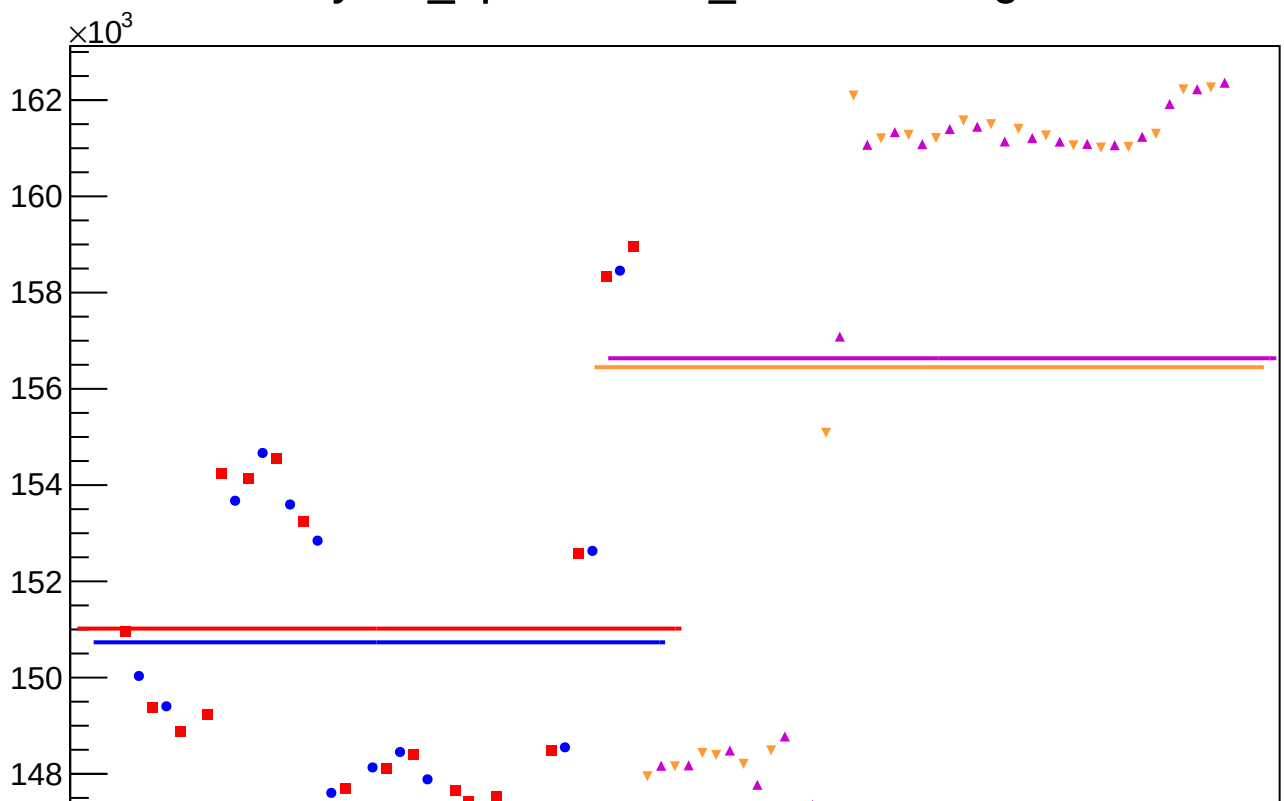
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 213.406+/-0.037 χ^2/NDF:506868.1/20

+ sign 200.572+/-0.030 χ^2/NDF: 1604564.8/37

All: 198.401+/-0.021 χ^2/NDF: 3778027.7/77

- 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: 156449.685+/-0.050 χ^2/NDF:15659925180.9/21

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

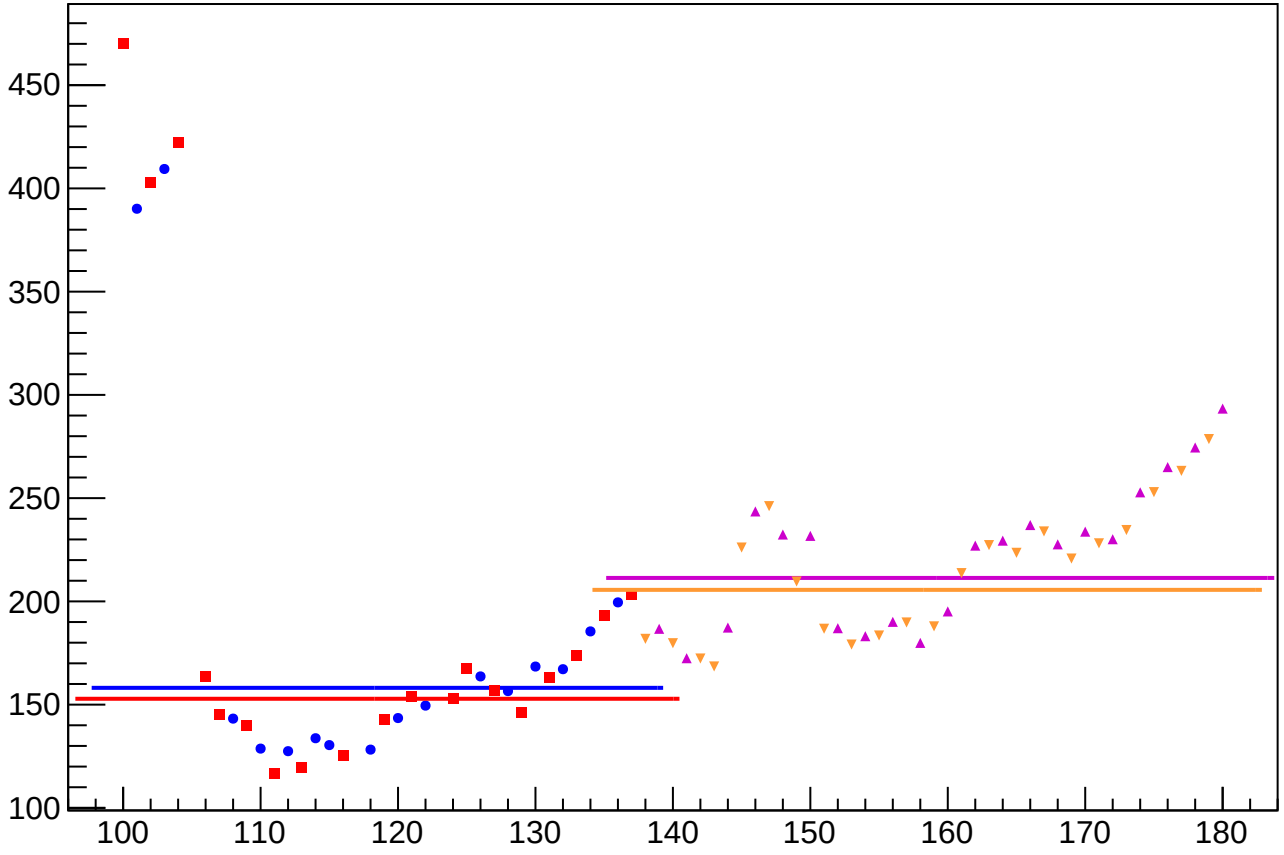
Left In: 156635.939+/-0.052 χ^2/NDF:14018522644.9/20

+ sign 154239.183+/-0.039 χ^2/NDF: 24009428838.

All: 154241.044+/-0.028 χ^2/NDF: 46336134

- 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: 205.587+/-0.035 χ^2/NDF:671887.1/21

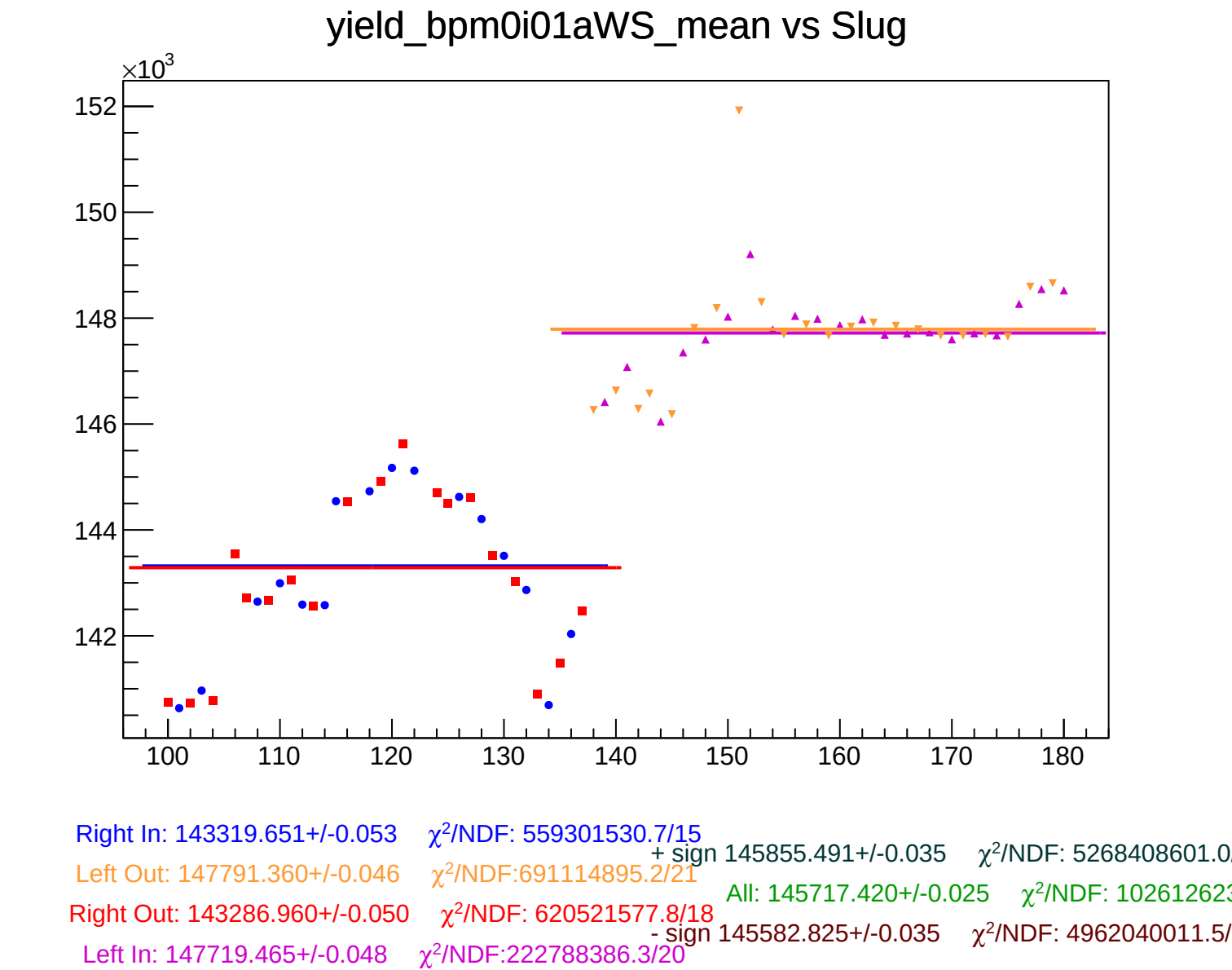
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 211.360+/-0.037 χ^2/NDF:748771.3/20

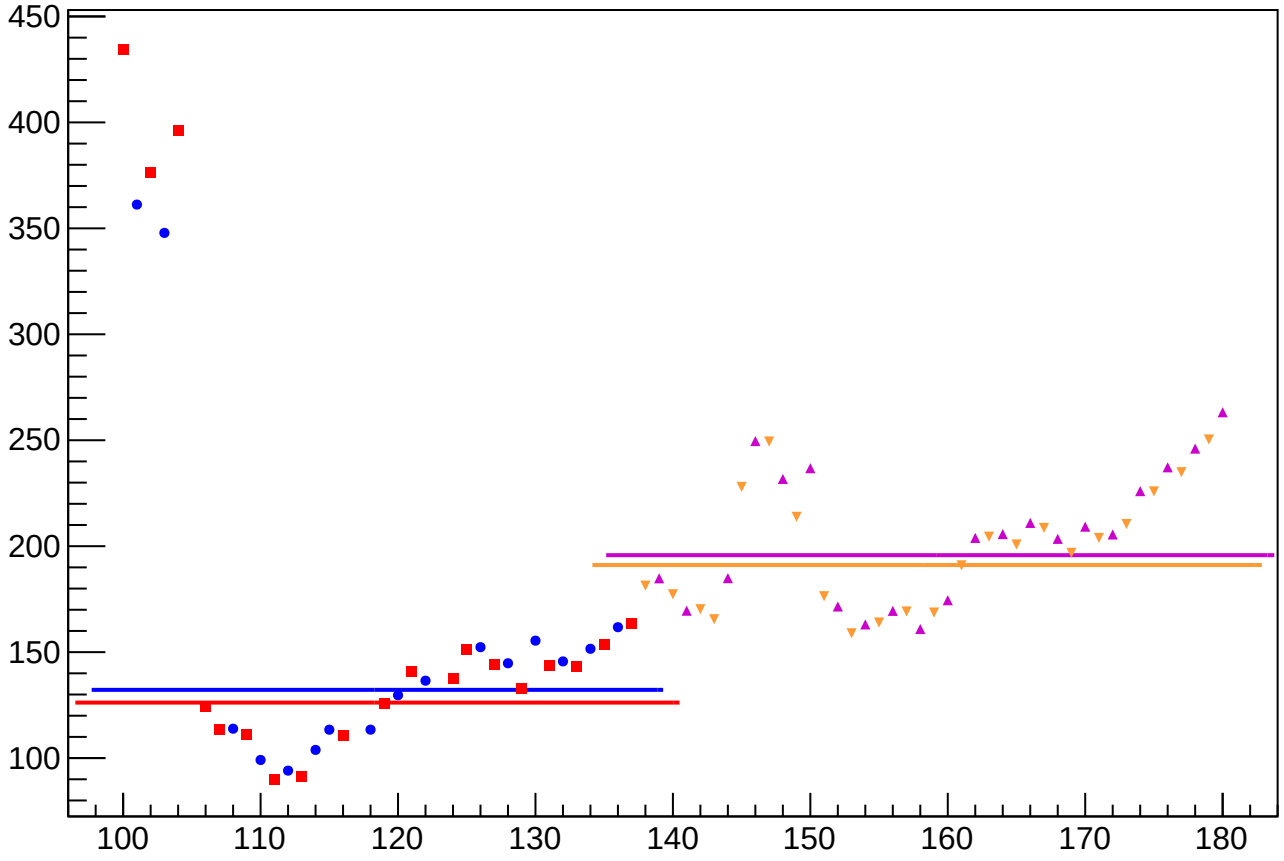
+ sign 187.238+/-0.028 χ^2/NDF: 2565620.7/37

All: 186.836+/-0.020 χ^2/NDF: 5669072.0/77

- sign 186.431+/-0.028 χ^2/NDF: 3103026.4/39


yield_bpm0i01aWS_mean vs Slug
×10^3
152
150
148
146
144
142
100
110
120
130
140
150
160
170
180
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147791.360+/-0.046 χ²/NDF:691114895.2/21
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147719.465+/-0.048 χ²/NDF:222788386.3/20
+ sign 145855.491+/-0.035 χ²/NDF: 5268408601.0
All: 145717.420+/-0.025 χ²/NDF: 10261262
- sign 145582.825+/-0.035 χ²/NDF: 4962040011.5/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 191.109+/-0.033 χ^2/NDF:623000.0/21

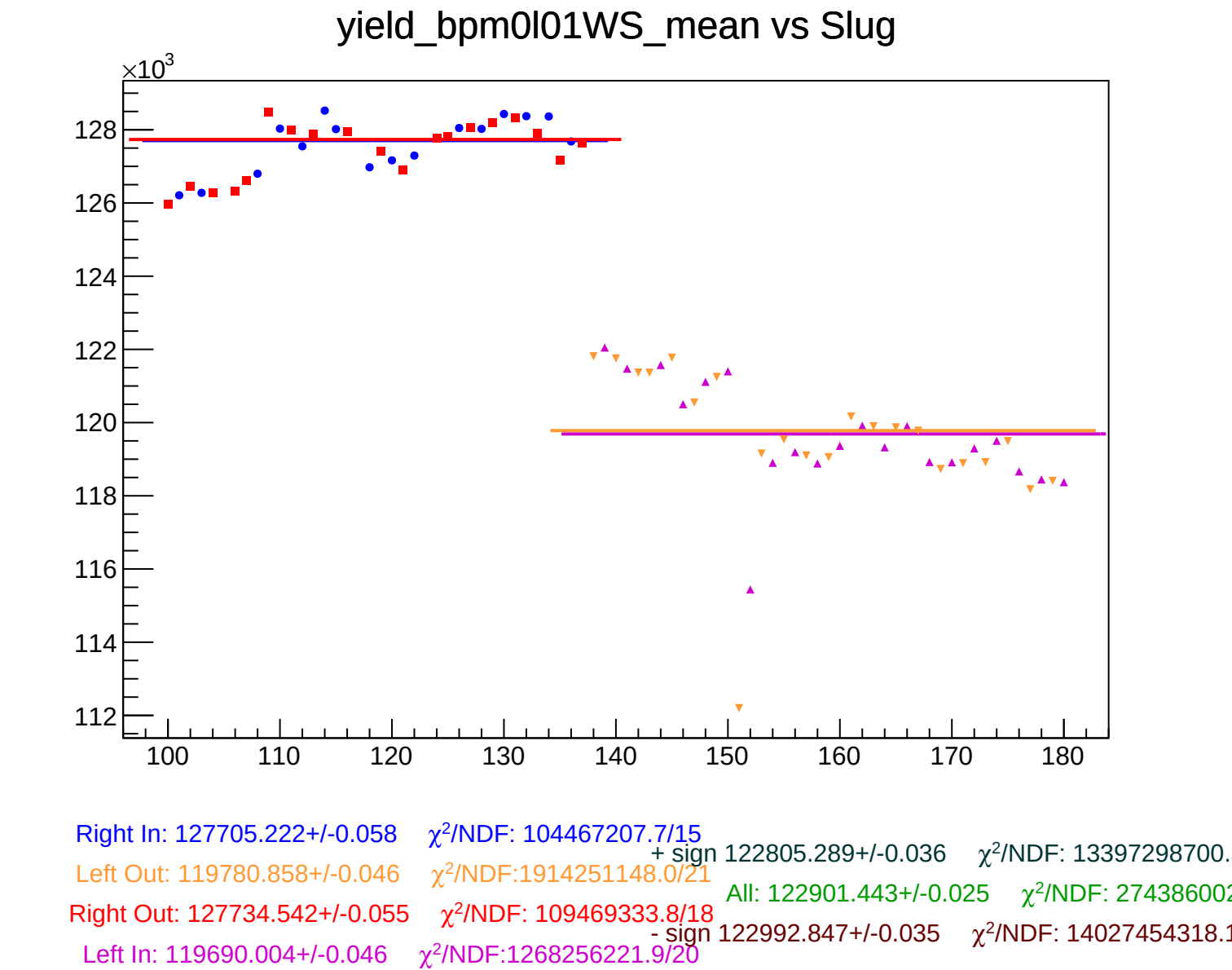
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 195.763+/-0.034 χ^2/NDF:756386.2/20

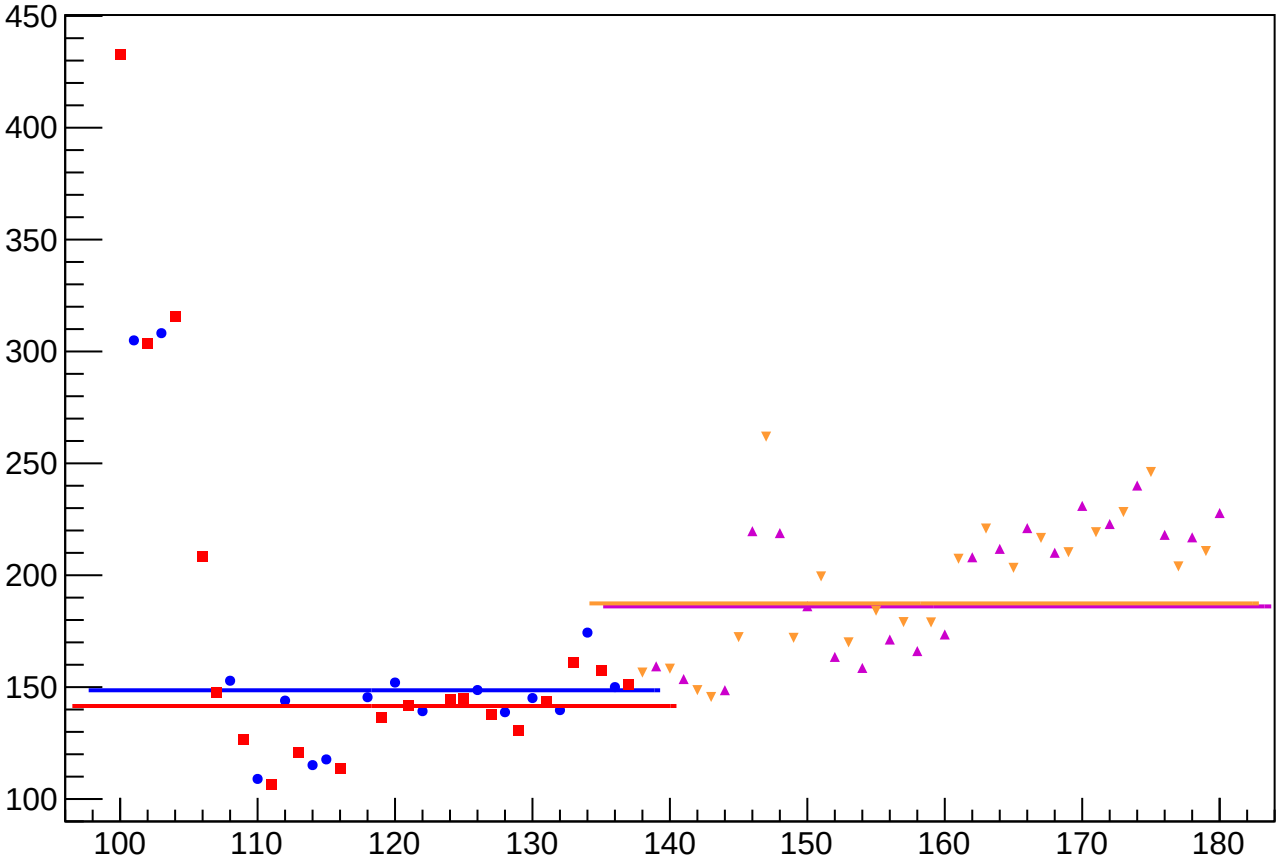
+ sign 165.608+/-0.025 χ^2/NDF: 3396565.3/37

All: 163.896+/-0.017 χ^2/NDF: 7736860.4/77

- sign 162.227+/-0.024 χ^2/NDF: 4330819.2/39


yield_bpm0l01WS_mean vs Slug
×10^3
128
126
124
122
120
118
116
114
112
100
110
120
130
140
150
160
170
180
Right In: 127705.222+/-0.058 χ²/NDF: 104467207.7/15
Left Out: 119780.858+/-0.046 χ²/NDF:1914251148.0/21
Right Out: 127734.542+/-0.055 χ²/NDF: 109469333.8/18
Left In: 119690.004+/-0.046 χ²/NDF:1268256221.9/20
+ sign 122805.289+/-0.036 χ²/NDF: 13397298700.
All: 122901.443+/-0.025 χ²/NDF: 27438600
- sign 122992.847+/-0.035 χ²/NDF: 14027454318.1

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 187.410+/-0.032 χ^2/NDF:802556.1/21

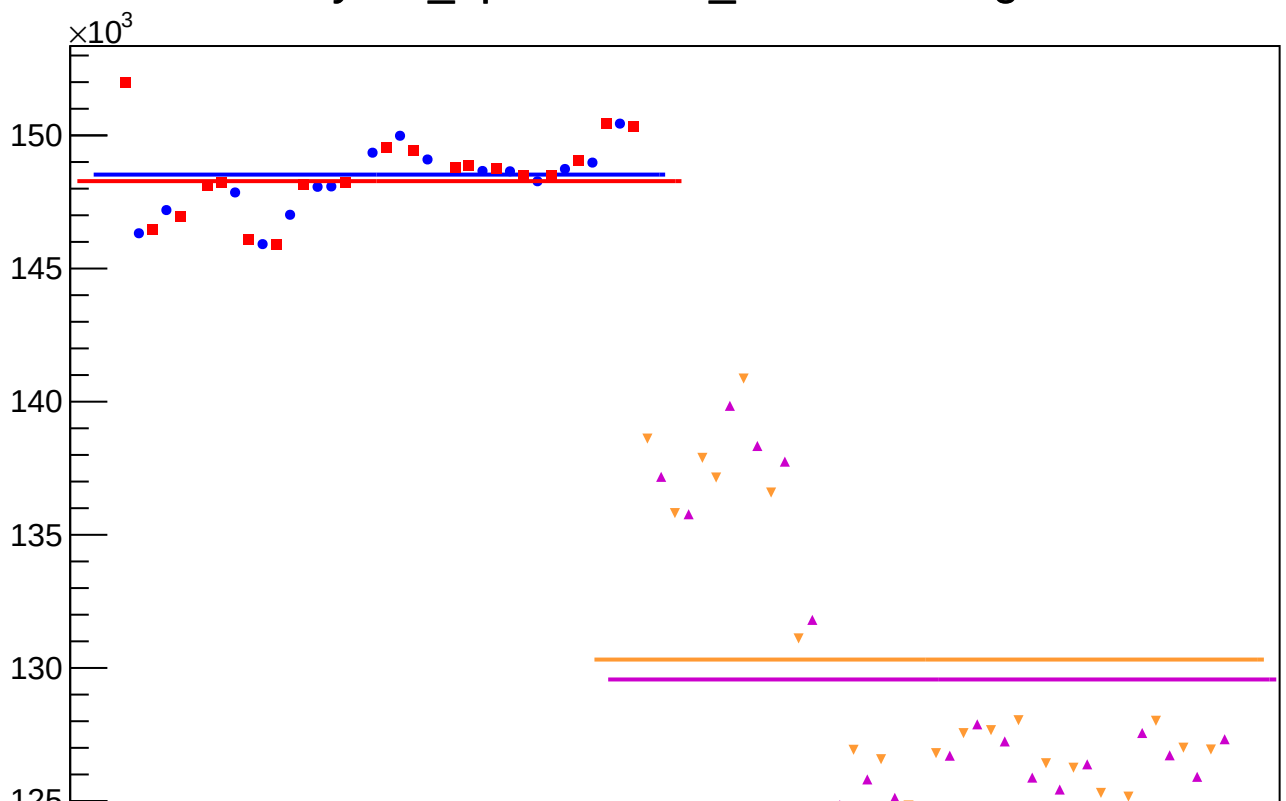
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 186.075+/-0.032 χ^2/NDF:837844.7/20

+ sign 172.595+/-0.026 χ^2/NDF: 2176302.0/37

All: 170.137+/-0.018 χ^2/NDF: 4808045.6/77

- 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: 130315.433+/-0.067 χ^2/NDF:6172080776.9/21

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

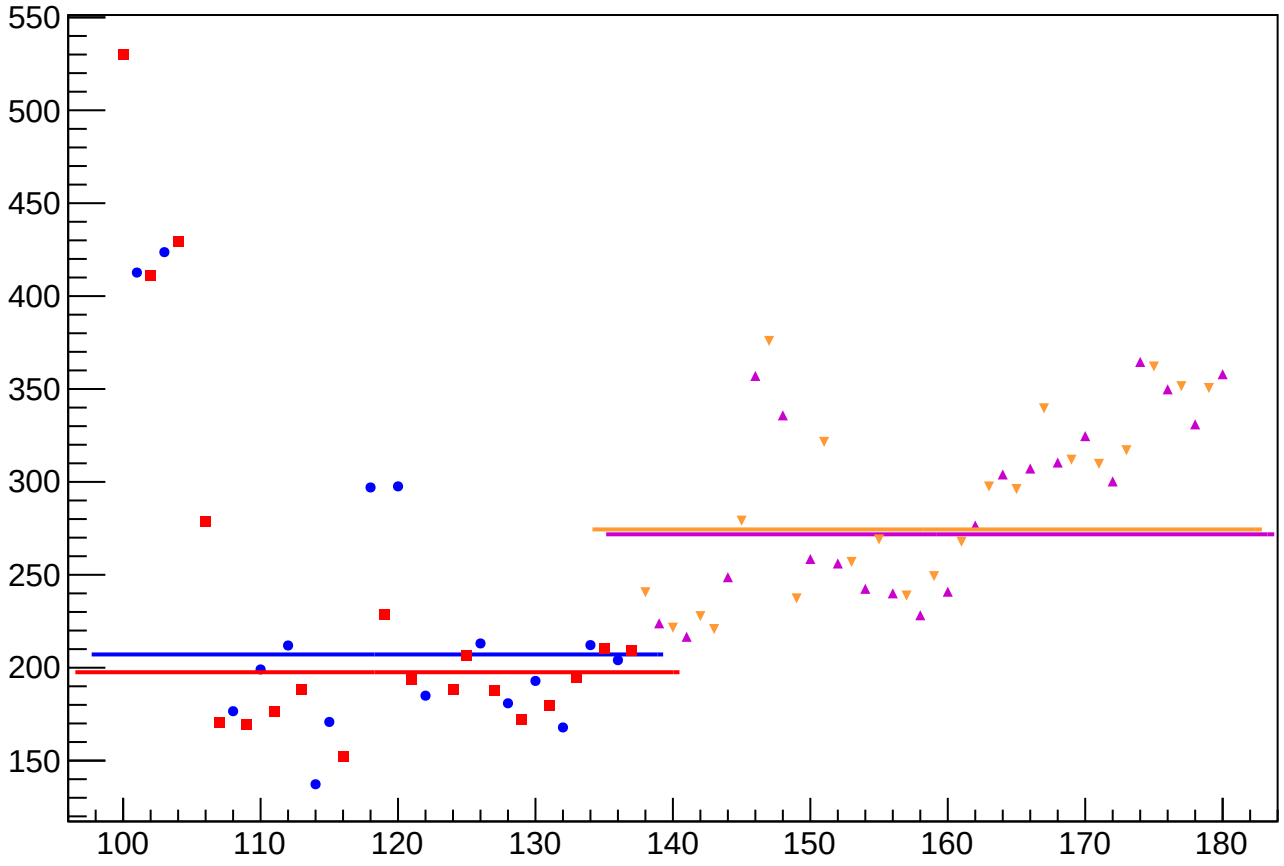
Left In: 129567.564+/-0.067 χ^2/NDF:6402942880.8/20

+ sign 137619.009+/-0.052 χ^2/NDF: 35971037291.

All: 137637.019+/-0.036 χ^2/NDF: 765620362

- 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: 274.428+/-0.047 χ^2/NDF:909786.2/21

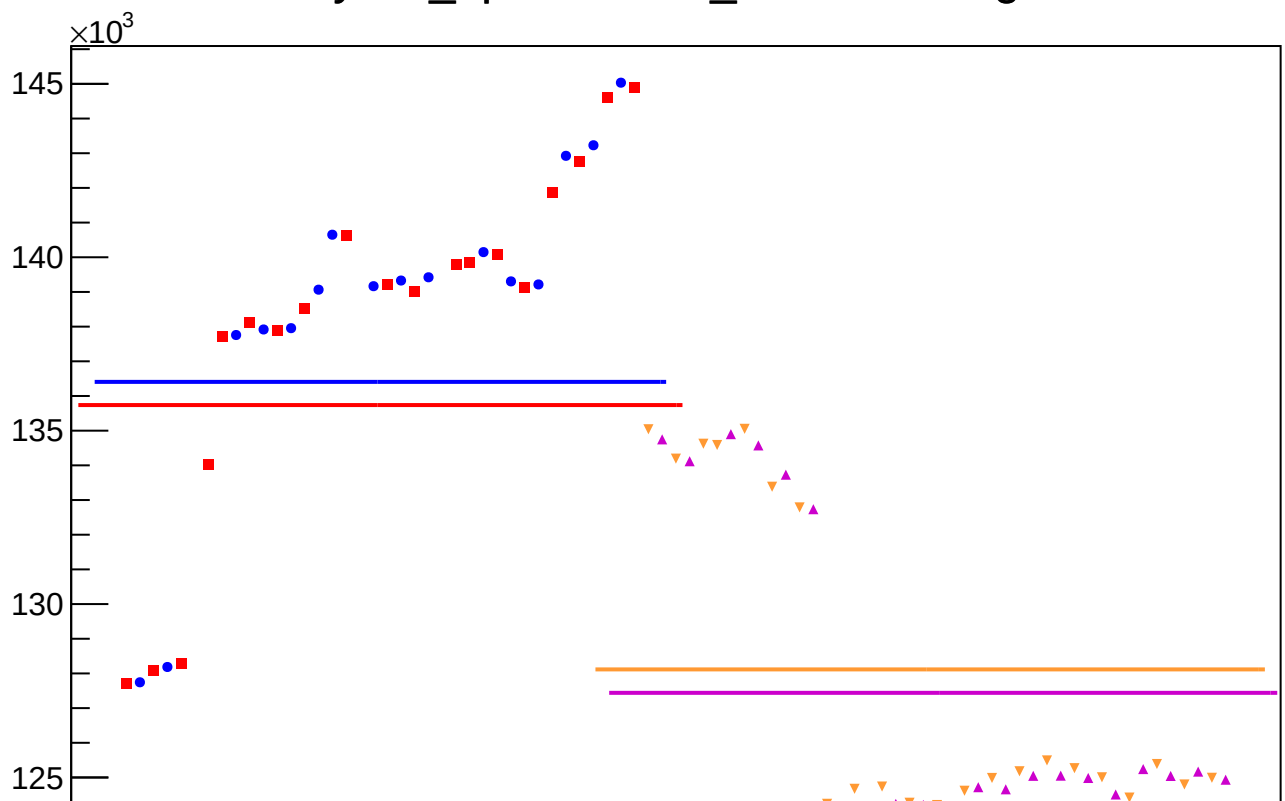
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 271.791+/-0.047 χ^2/NDF:962408.5/20

+ sign 247.442+/-0.037 χ^2/NDF: 2689946.8/37

All: 243.465+/-0.026 χ^2/NDF: 5645332.3/77

- 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: 128116.110+/-0.143 χ^2/NDF:1023738876.4/21

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

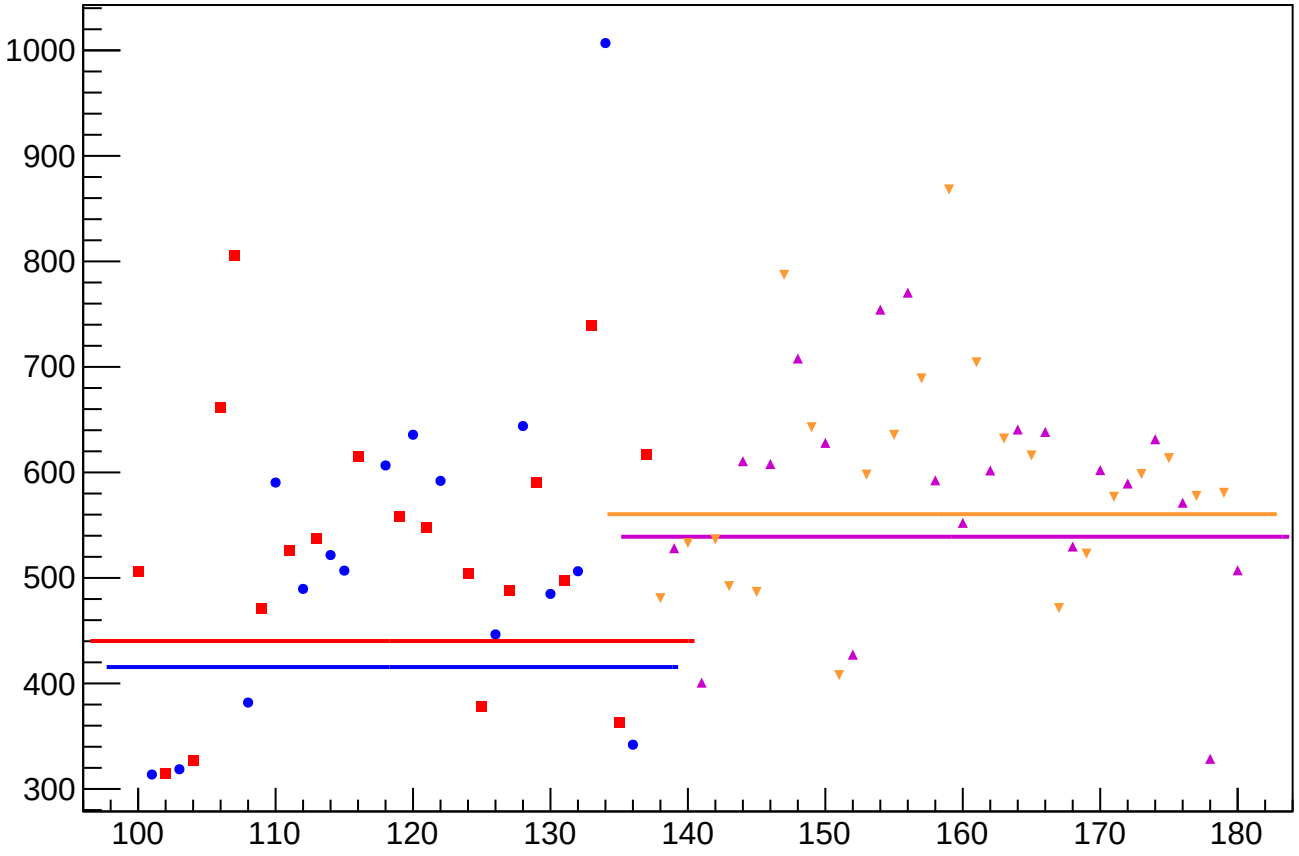
Left In: 127440.616+/-0.142 χ^2/NDF:937716086.7/20

+ sign 131583.479+/-0.109 χ^2/NDF: 4008033678.0

All: 131143.924+/-0.078 χ^2/NDF: 74945175

- 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: 560.428+/-0.101 χ^2/NDF:881034.9/21

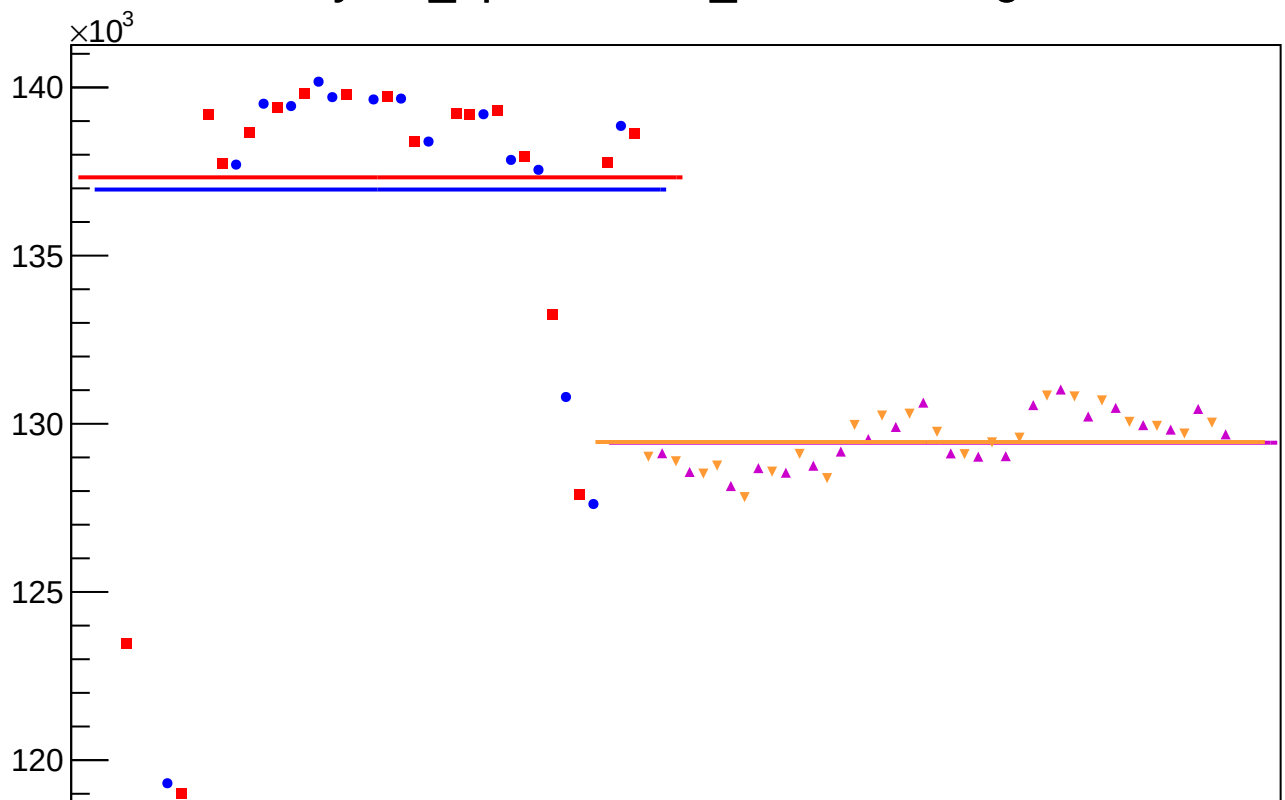
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 539.029+/-0.100 χ^2/NDF:1322043.6/20

+ sign 499.836+/-0.077 χ^2/NDF: 2772085.8/37

All: 500.072+/-0.055 χ^2/NDF: 5385444.8/77

- 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: 129458.232+/-0.049 χ^2/NDF:282865986.7/21

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

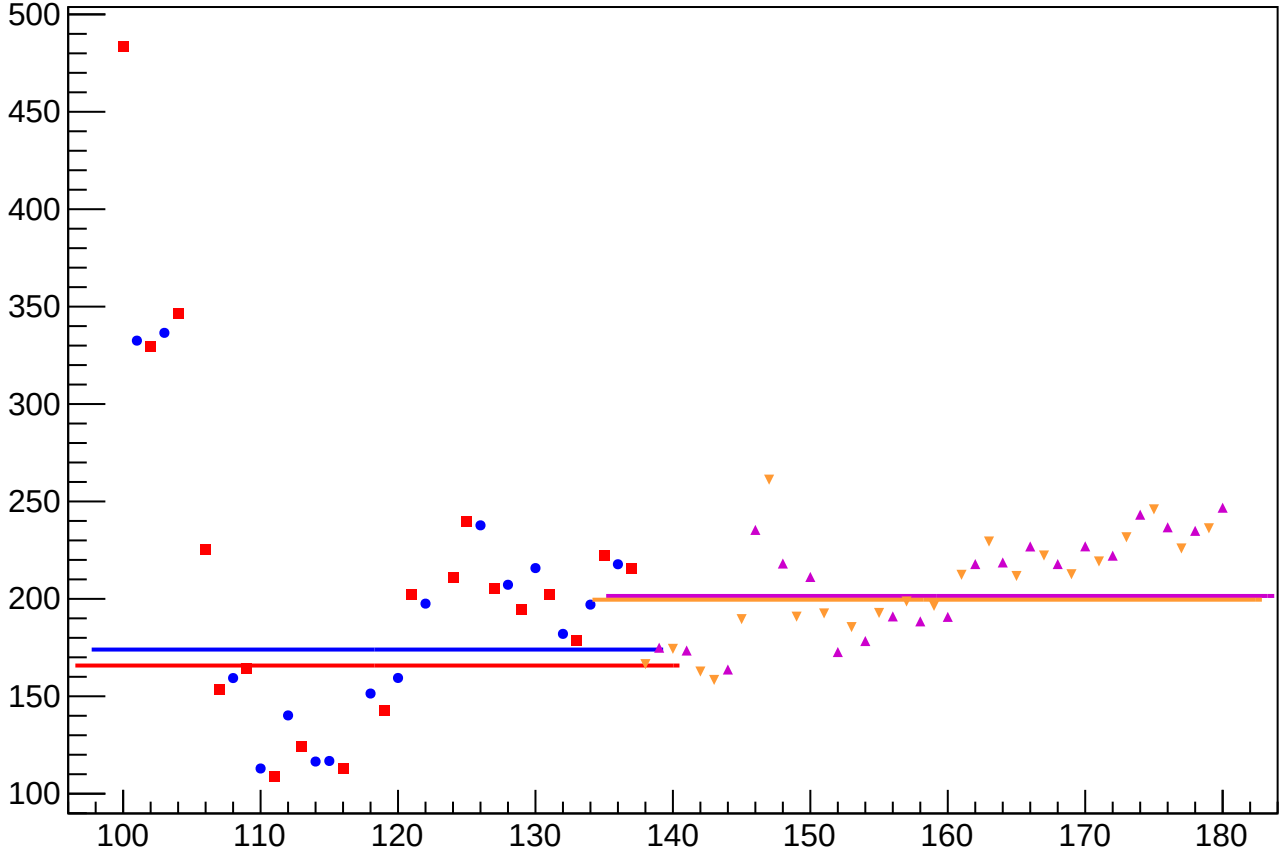
Left In: 129437.596+/-0.049 χ^2/NDF:267722481.0/20

+ sign 131910.363+/-0.040 χ^2/NDF: 13894881103.

All: 132099.531+/-0.028 χ^2/NDF: 29182563

- sign 132284.653+/-0.039 χ^2/NDF: 15243100485.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 199.576+/-0.034 χ^2/NDF:580533.6/21

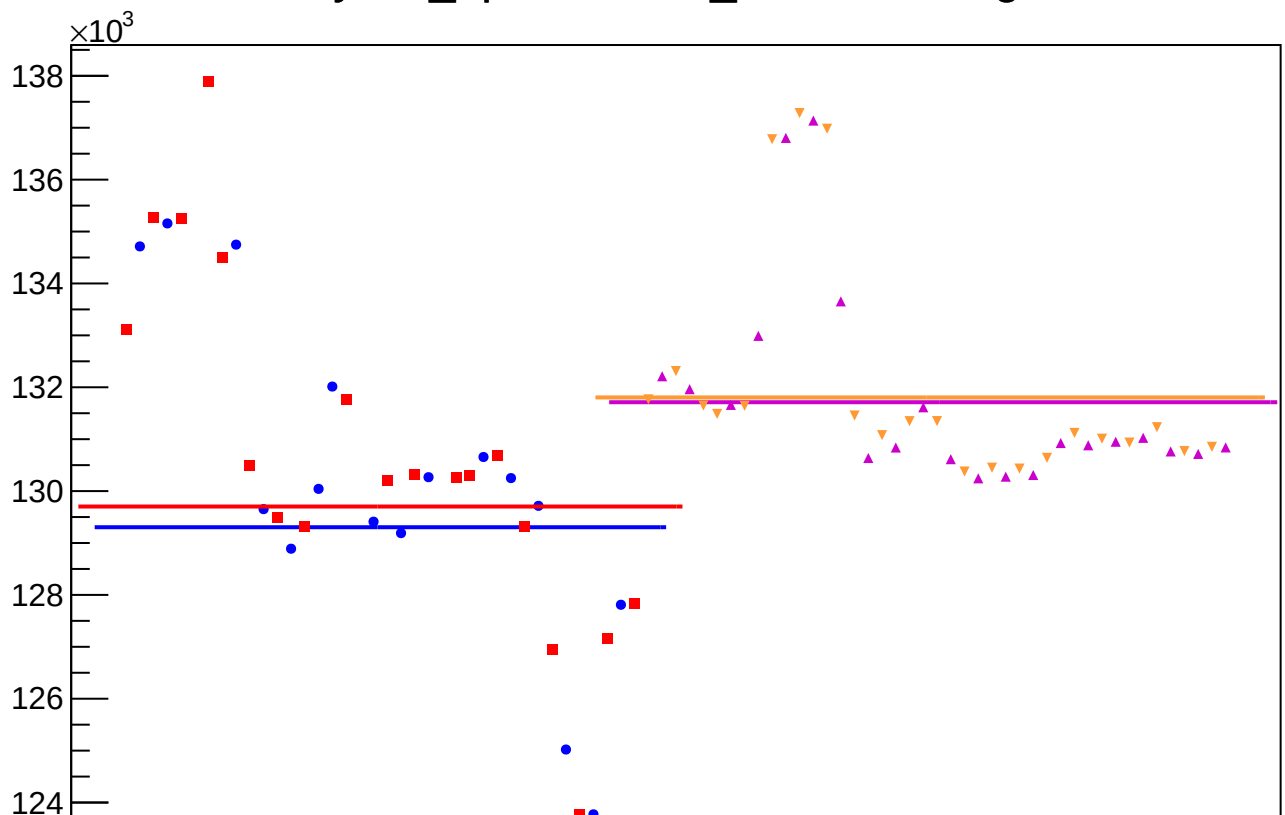
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 201.496+/-0.035 χ^2/NDF:567983.9/20

+ sign 191.215+/-0.028 χ^2/NDF: 1950464.9/37

All: 189.897+/-0.020 χ^2/NDF: 4334517.8/77

- 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: 131804.532+/-0.048 χ^2/NDF:1383891920.9/21

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

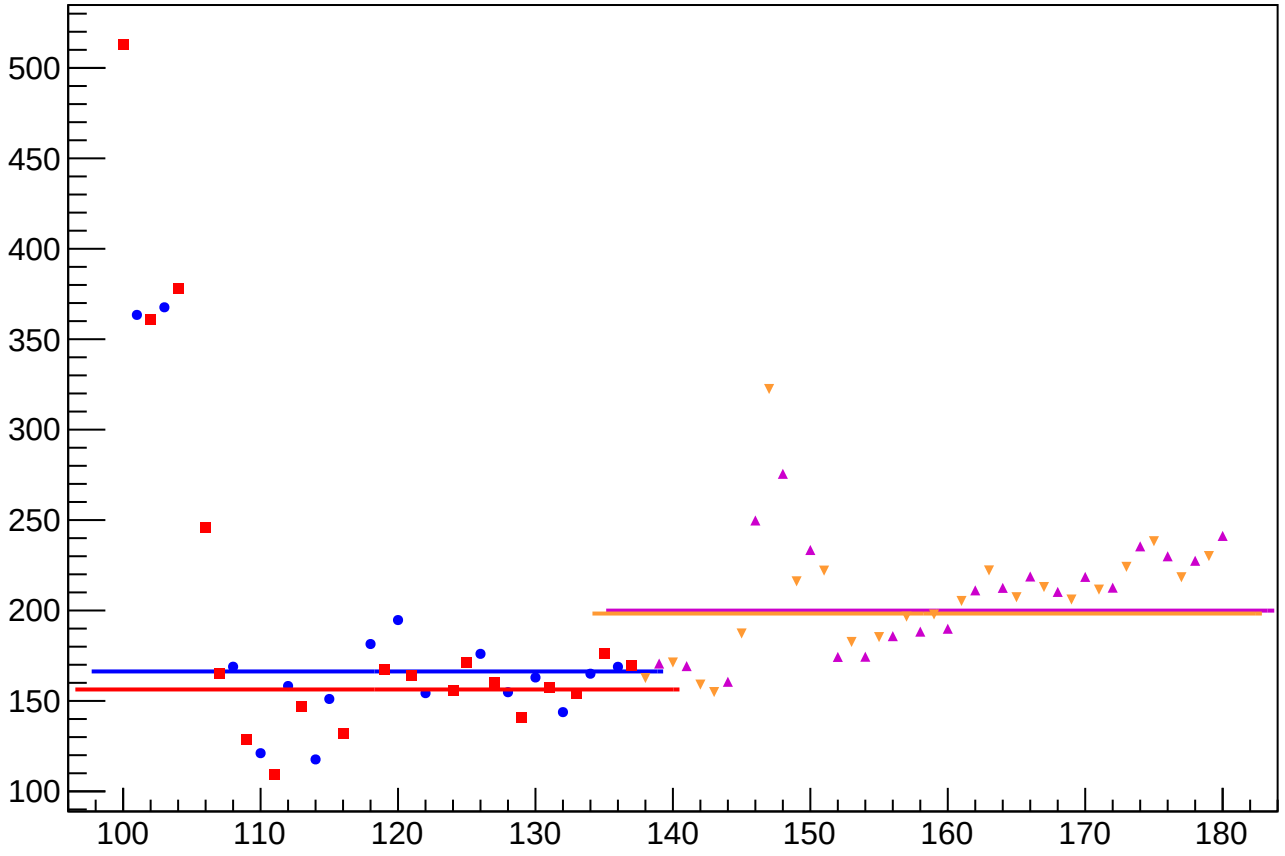
Left In: 131711.961+/-0.049 χ^2/NDF:1133412144.6/20

+ sign 130932.574+/-0.039 χ^2/NDF: 3963430521.1

All: 130931.837+/-0.027 χ^2/NDF: 75263594

- 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: 198.317+/-0.034 χ^2/NDF:735882.3/21

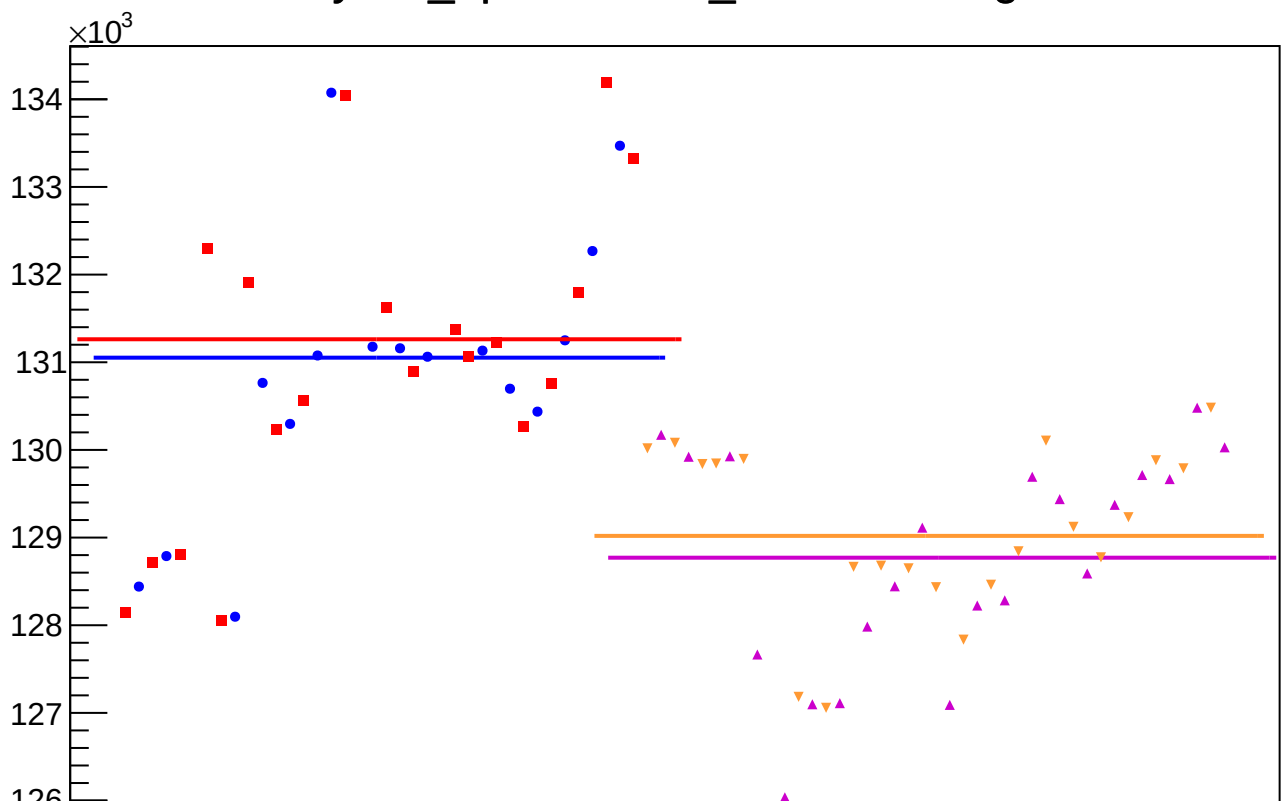
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 199.936+/-0.035 χ^2/NDF:708790.0/20

+ sign 187.154+/-0.028 χ^2/NDF: 1978464.0/37

All: 185.034+/-0.019 χ^2/NDF: 4485415.2/77

- 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: 129019.305+/-0.047 χ^2/NDF:523052229.4/21

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

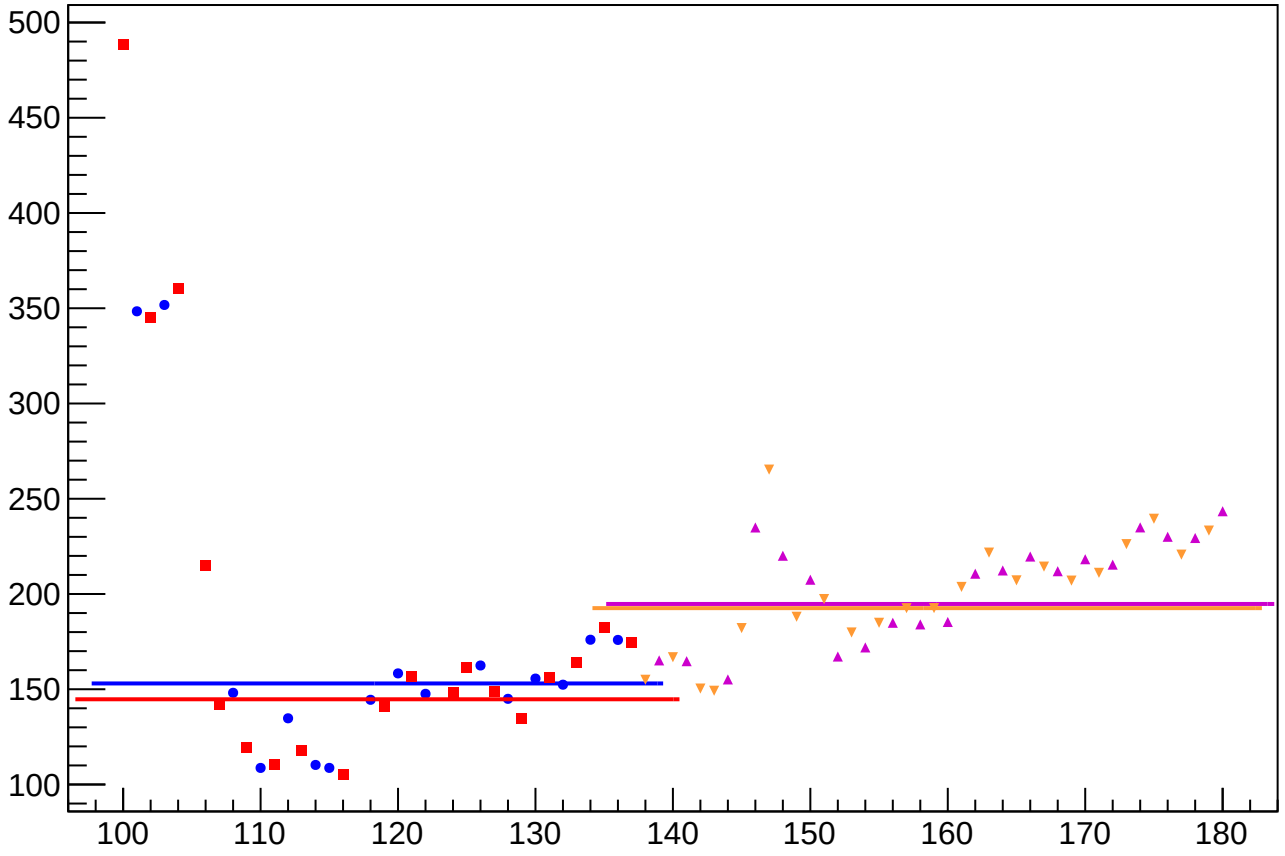
Left In: 128770.498+/-0.048 χ^2/NDF:653182154.7/20

+ sign 129781.389+/-0.037 χ^2/NDF: 1749506775.9

All: 129793.145+/-0.026 χ^2/NDF: 41384178

- 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: 192.576+/-0.033 χ^2/NDF:720175.6/21

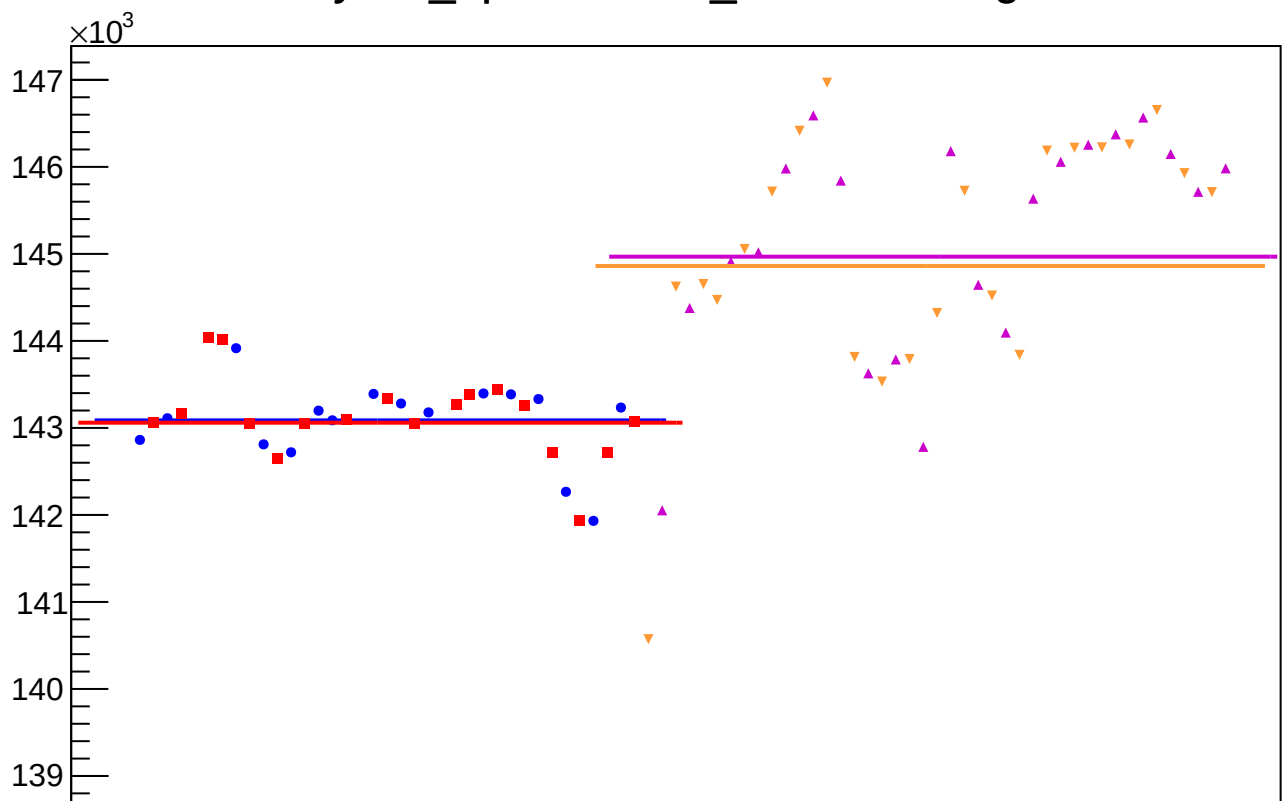
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 194.768+/-0.034 χ^2/NDF:663080.7/20

+ sign 177.758+/-0.026 χ^2/NDF: 2311063.5/37

All: 175.849+/-0.018 χ^2/NDF: 5160337.9/77

- 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: 144860.772+/-0.054 χ^2/NDF:816926076.2/21

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

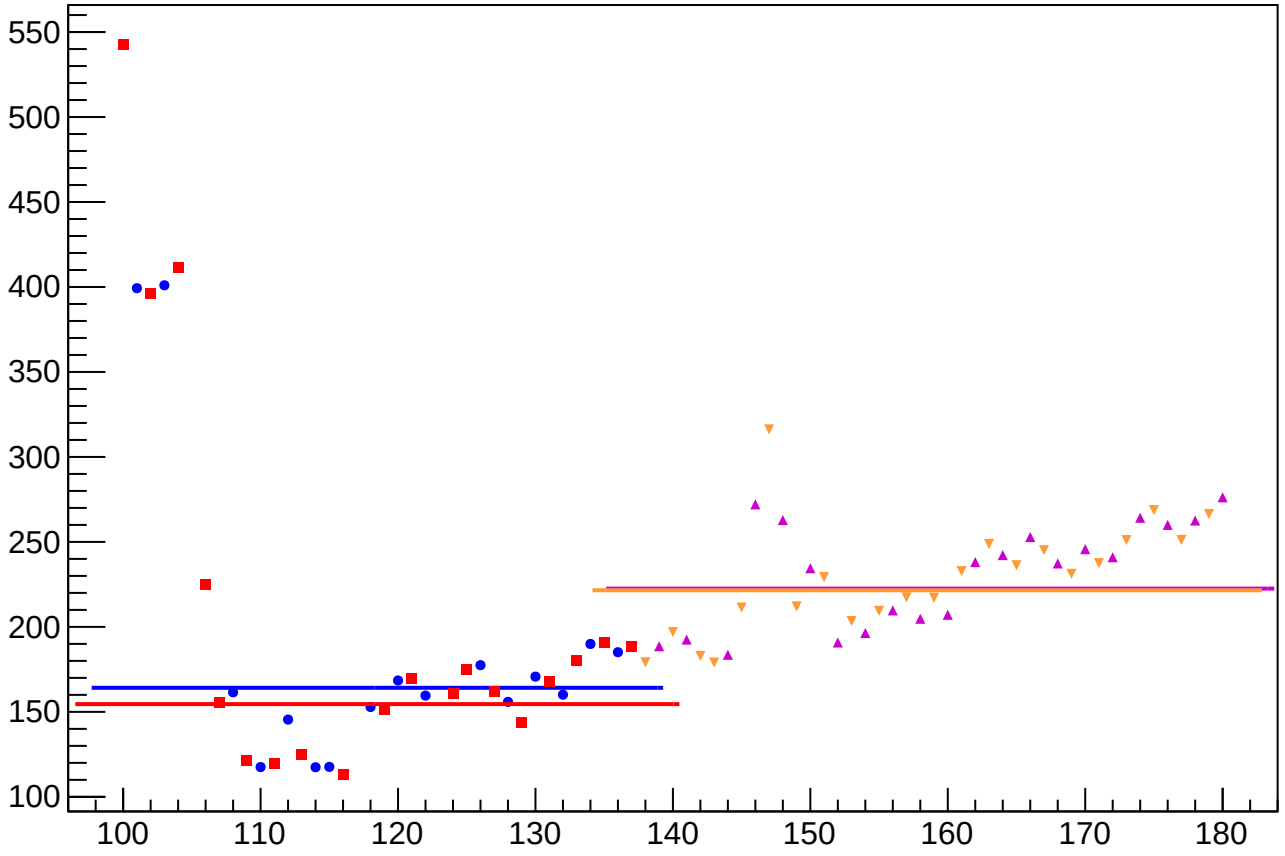
Left In: 144968.168+/-0.055 χ^2/NDF:615789019.3/20

+ sign 144137.461+/-0.042 χ^2/NDF: 1303885259.9

All: 144126.223+/-0.029 χ^2/NDF: 25187677

- 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: 221.559+/-0.038 χ^2/NDF:603866.6/21

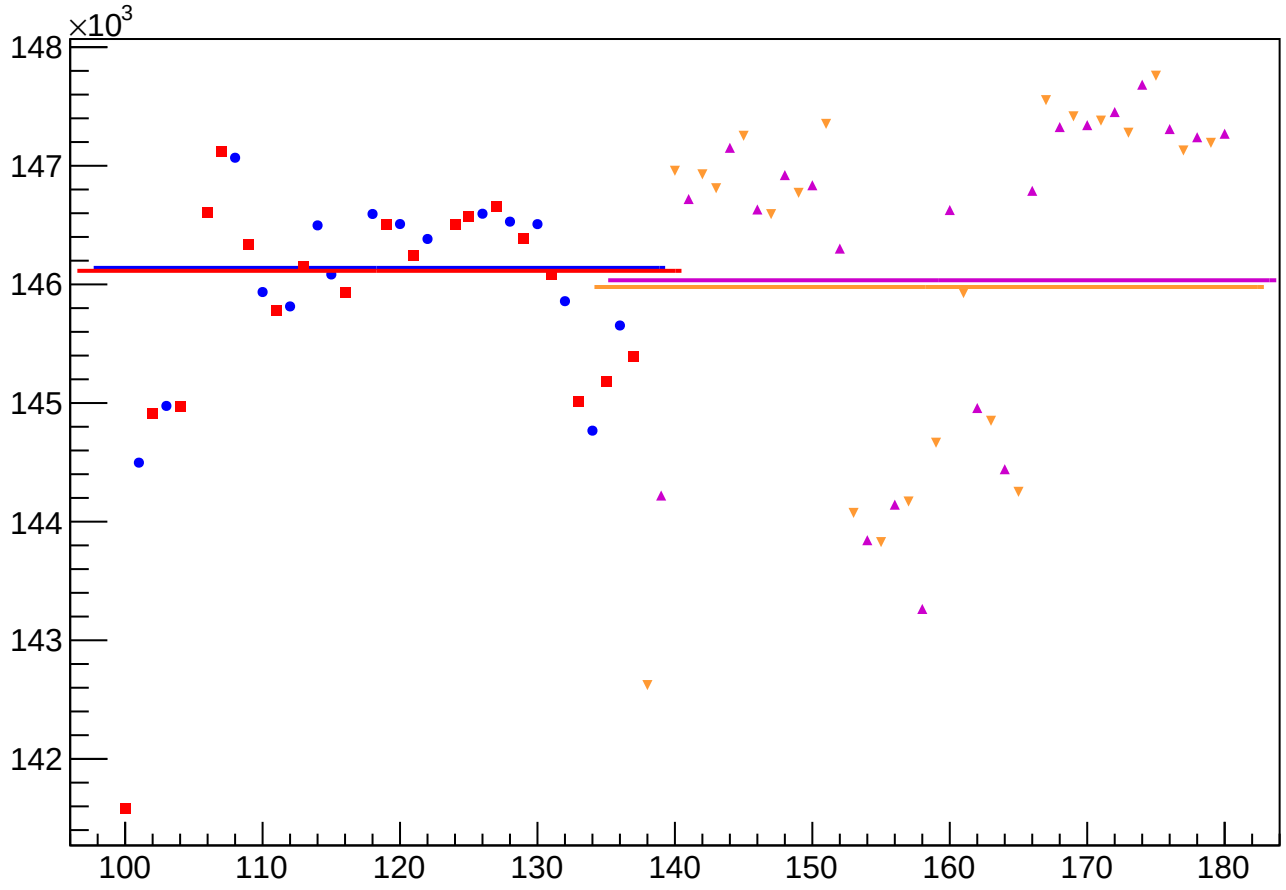
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 222.535+/-0.039 χ^2/NDF:616767.2/20

+ sign 198.163+/-0.029 χ^2/NDF: 2654876.1/37

All: 195.086+/-0.021 χ^2/NDF: 6049252.2/77

- 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: 145978.096+/-0.054 χ^2/NDF:859627756.9/21

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

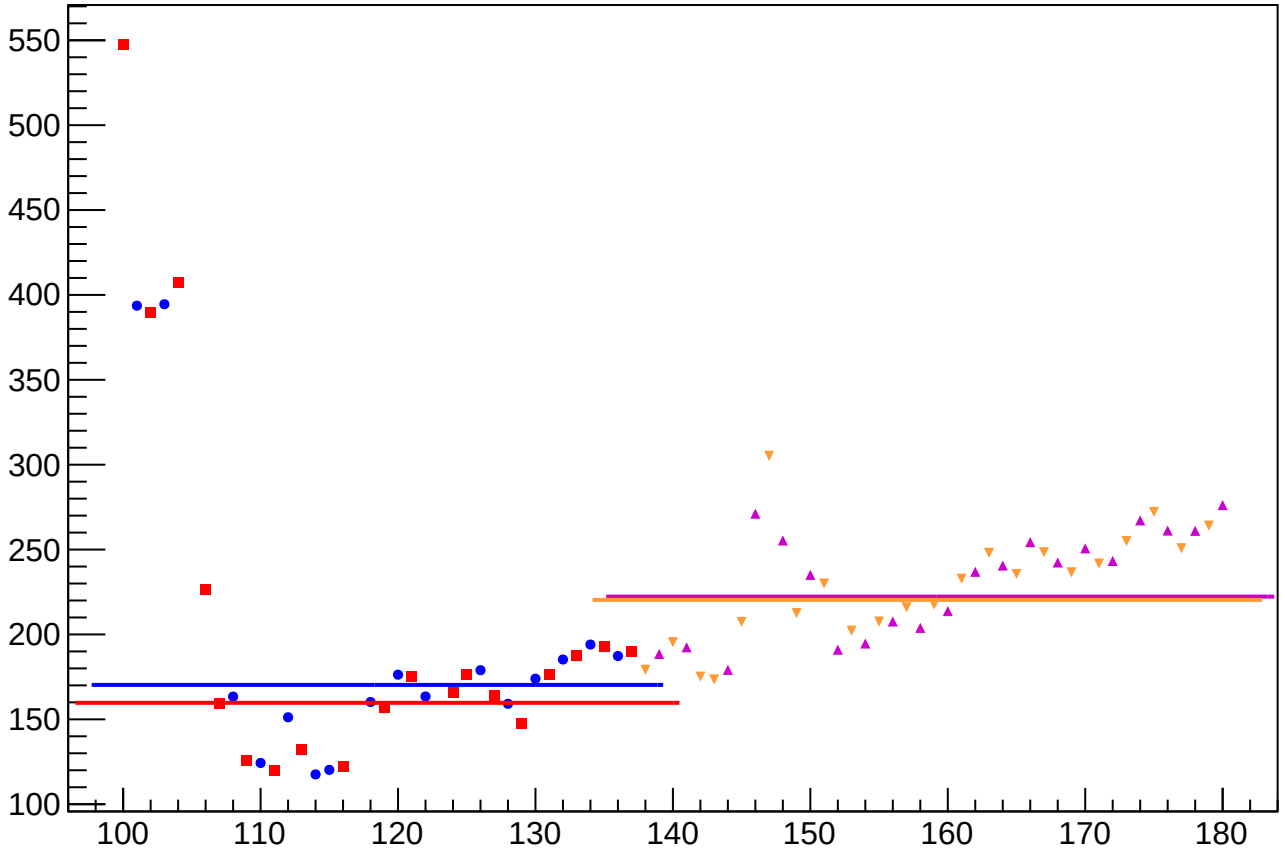
Left In: 146034.894+/-0.055 χ^2/NDF:694066720.6/20

+ sign 146040.704+/-0.042 χ^2/NDF: 934845652.0/3

All: 146055.311+/-0.029 χ^2/NDF: 17031718

- 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: 220.359+/-0.038 χ^2/NDF:662622.0/21

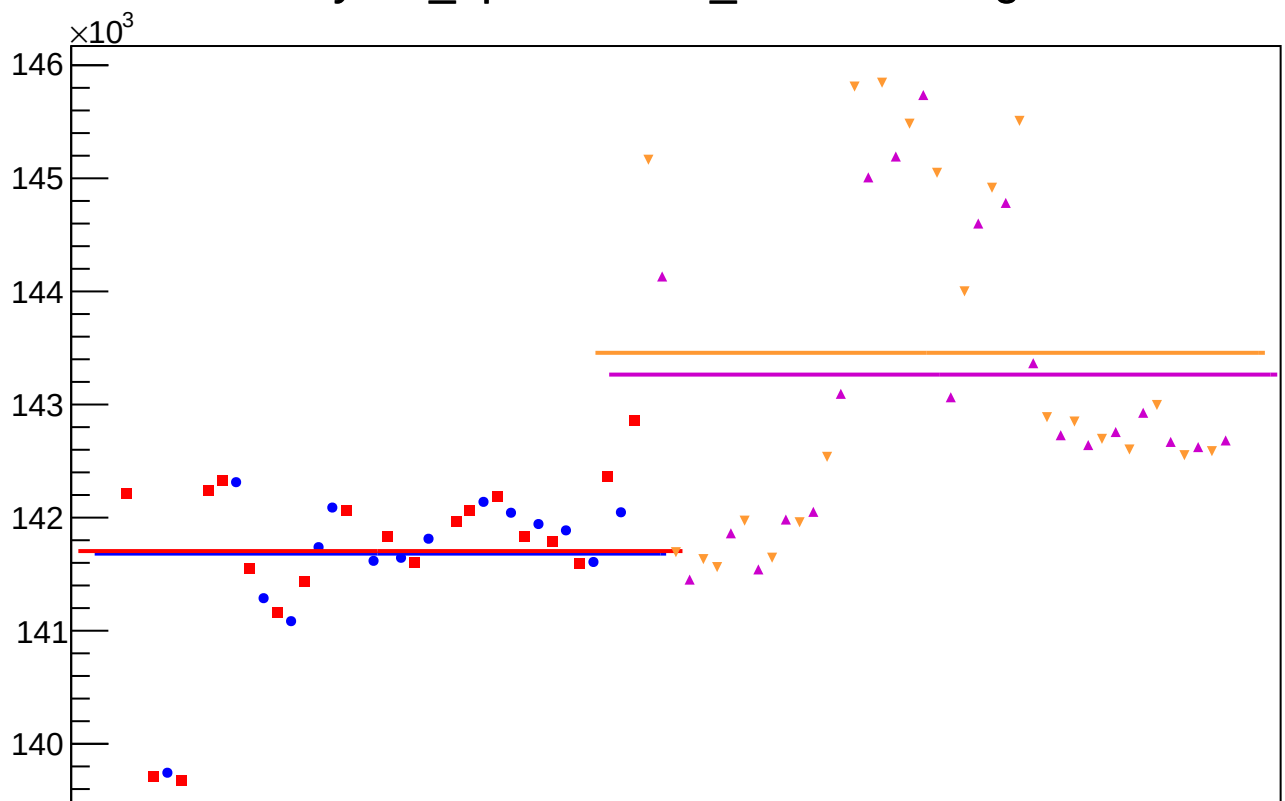
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 222.296+/-0.039 χ^2/NDF:646970.8/20

+ sign 200.902+/-0.030 χ^2/NDF: 2395611.6/37

All: 198.016+/-0.021 χ^2/NDF: 5491461.9/77

- 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: 143457.280+/-0.056 χ^2/NDF:760641090.9/21

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

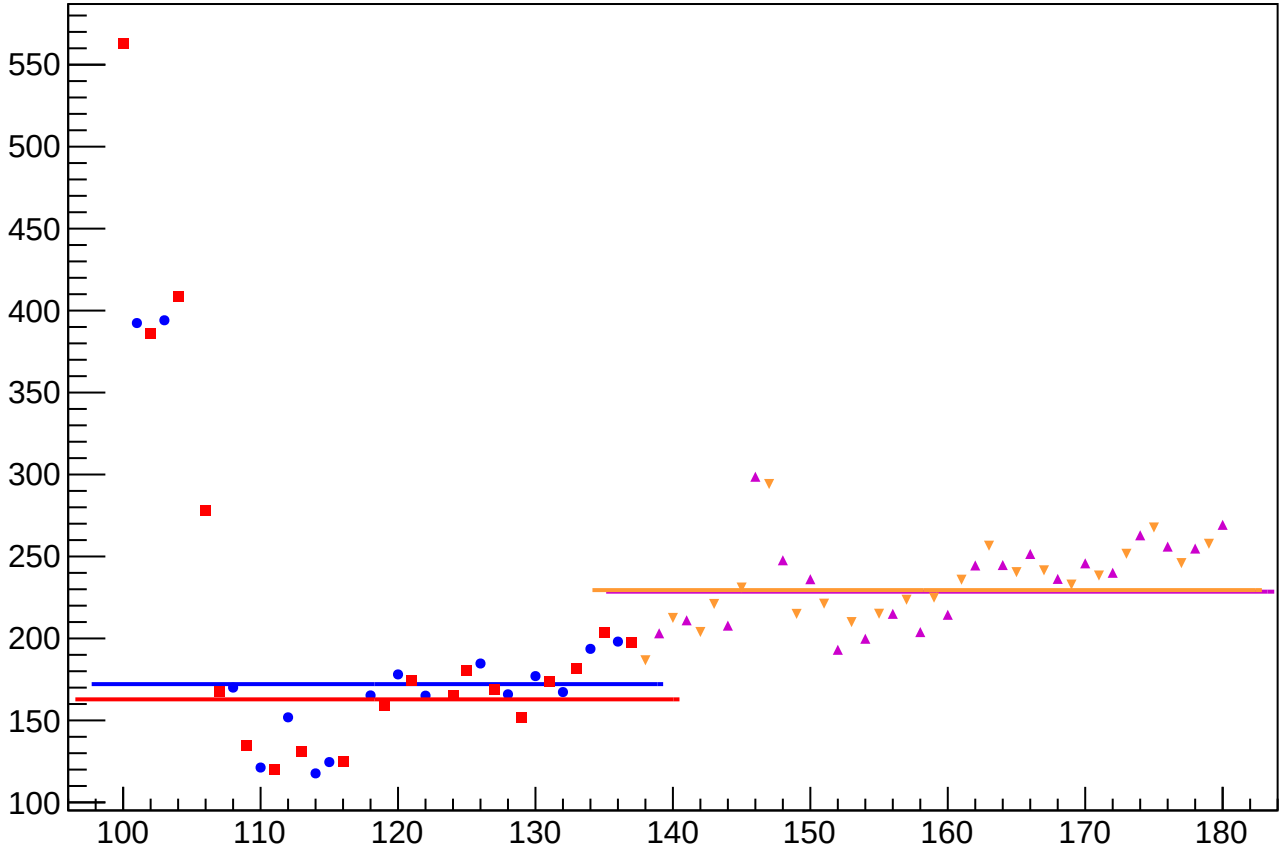
Left In: 143264.613+/-0.056 χ^2/NDF:524337192.1/20

+ sign 142748.879+/-0.043 χ^2/NDF: 1231400329.5

All: 142665.992+/-0.030 χ^2/NDF: 21670666

- 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: 229.485+/-0.039 χ^2/NDF:319971.2/21

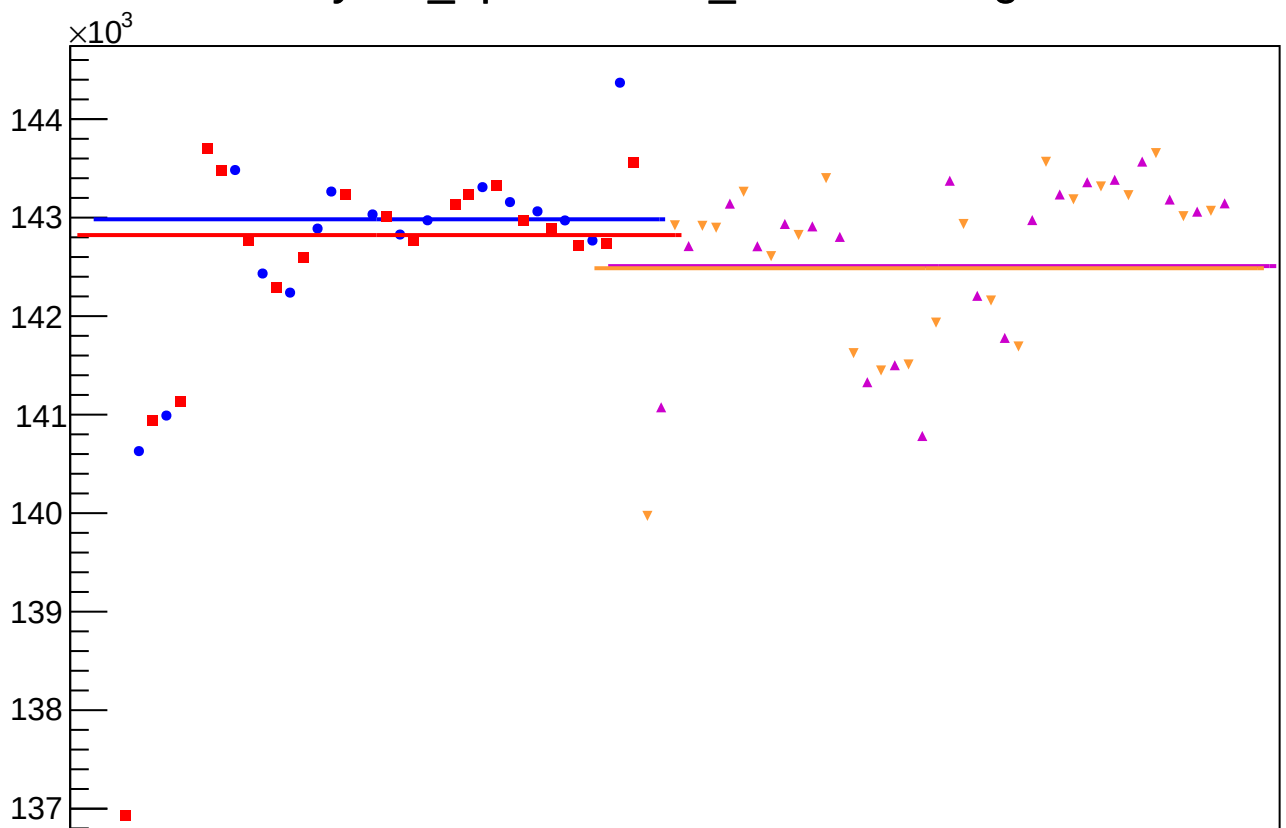
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 228.537+/-0.040 χ^2/NDF:430797.3/20

+ sign 206.604+/-0.030 χ^2/NDF: 2236672.5/37

All: 203.228+/-0.021 χ^2/NDF: 5197434.1/77

- 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: 142486.158+/-0.053 χ^2/NDF:334430674.9/21

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

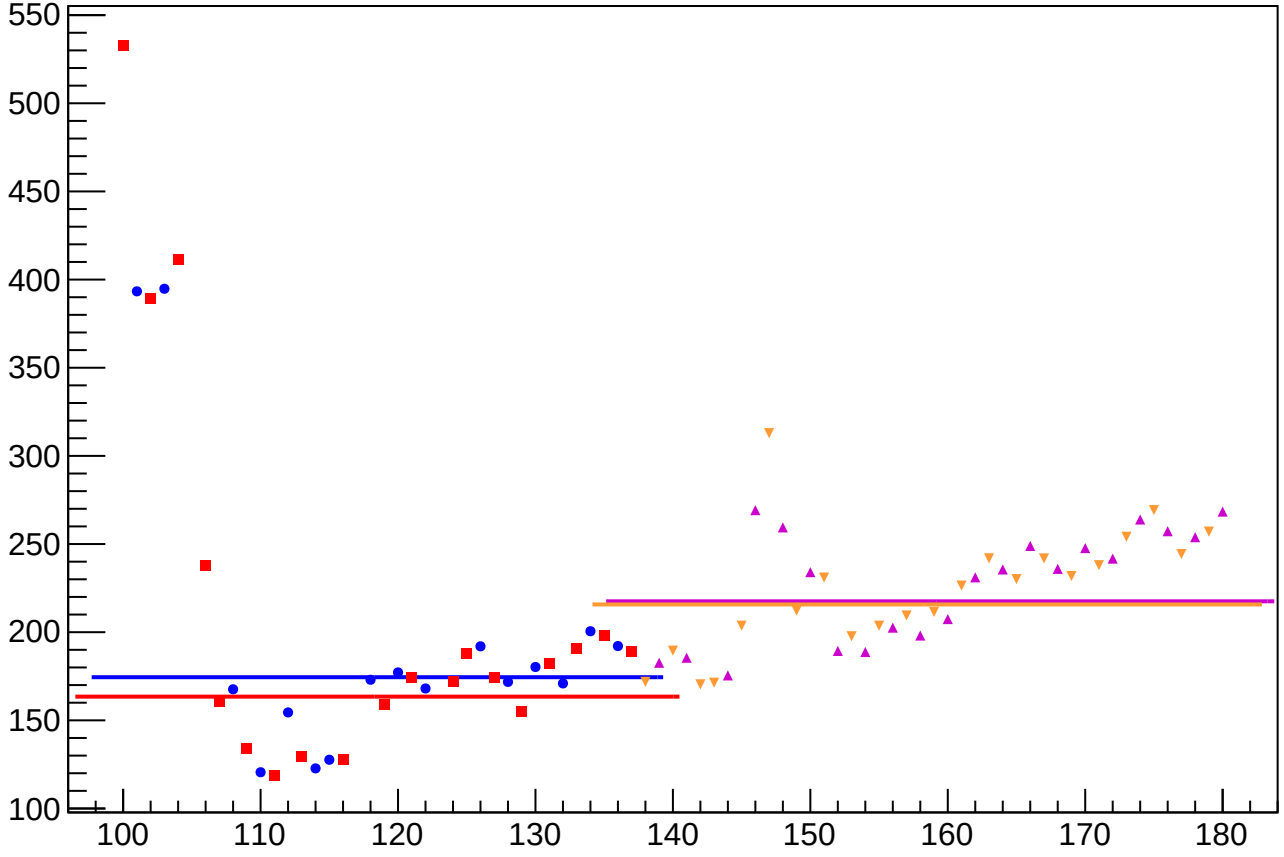
Left In: 142507.845+/-0.053 χ^2/NDF:269271251.6/20

+ sign 142668.391+/-0.042 χ^2/NDF: 474854611.1/3

All: 142652.268+/-0.029 χ^2/NDF: 82227561

- 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: 215.736+/-0.037 χ^2/NDF:721293.1/21

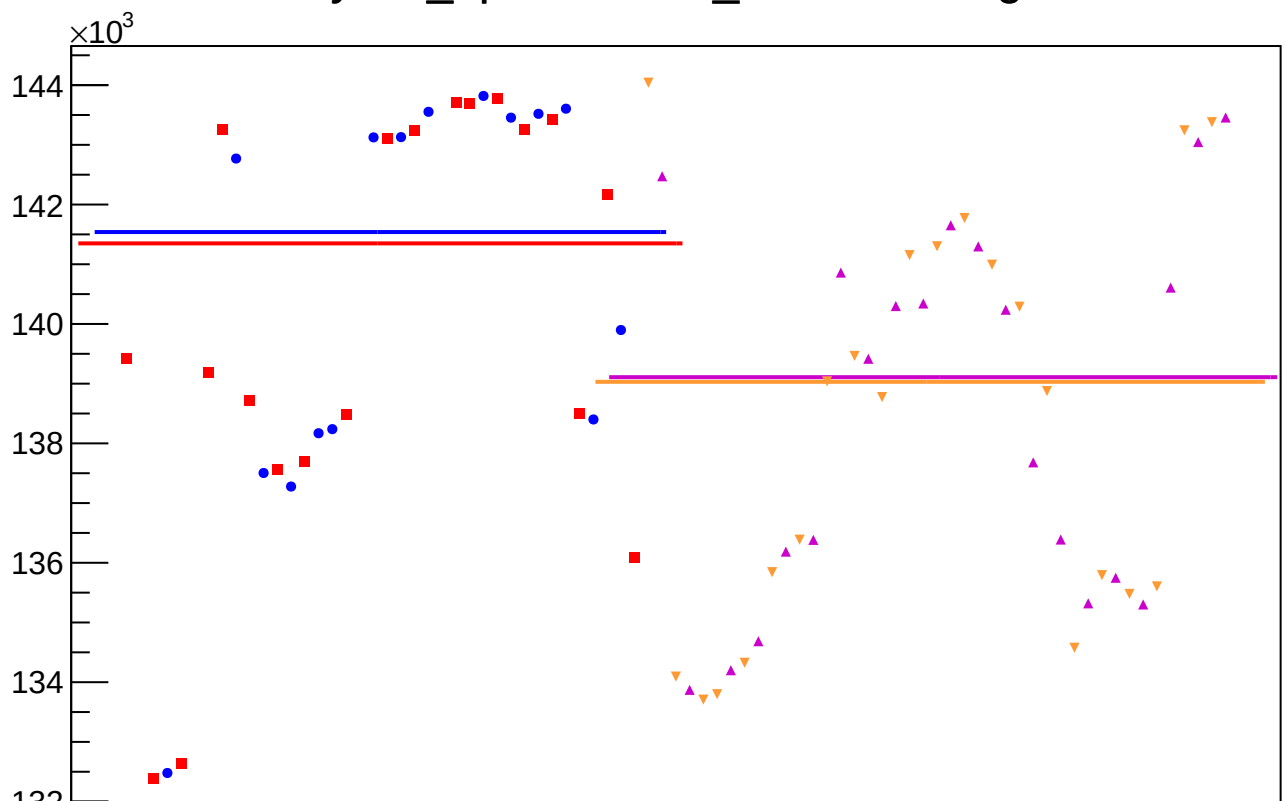
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 217.520+/-0.038 χ^2/NDF:698091.1/20

+ sign 200.600+/-0.030 χ^2/NDF: 2222021.9/37

All: 197.932+/-0.021 χ^2/NDF: 5060589.0/77

- 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: 139030.912+/-0.075 χ^2/NDF:2174373722.4/21

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

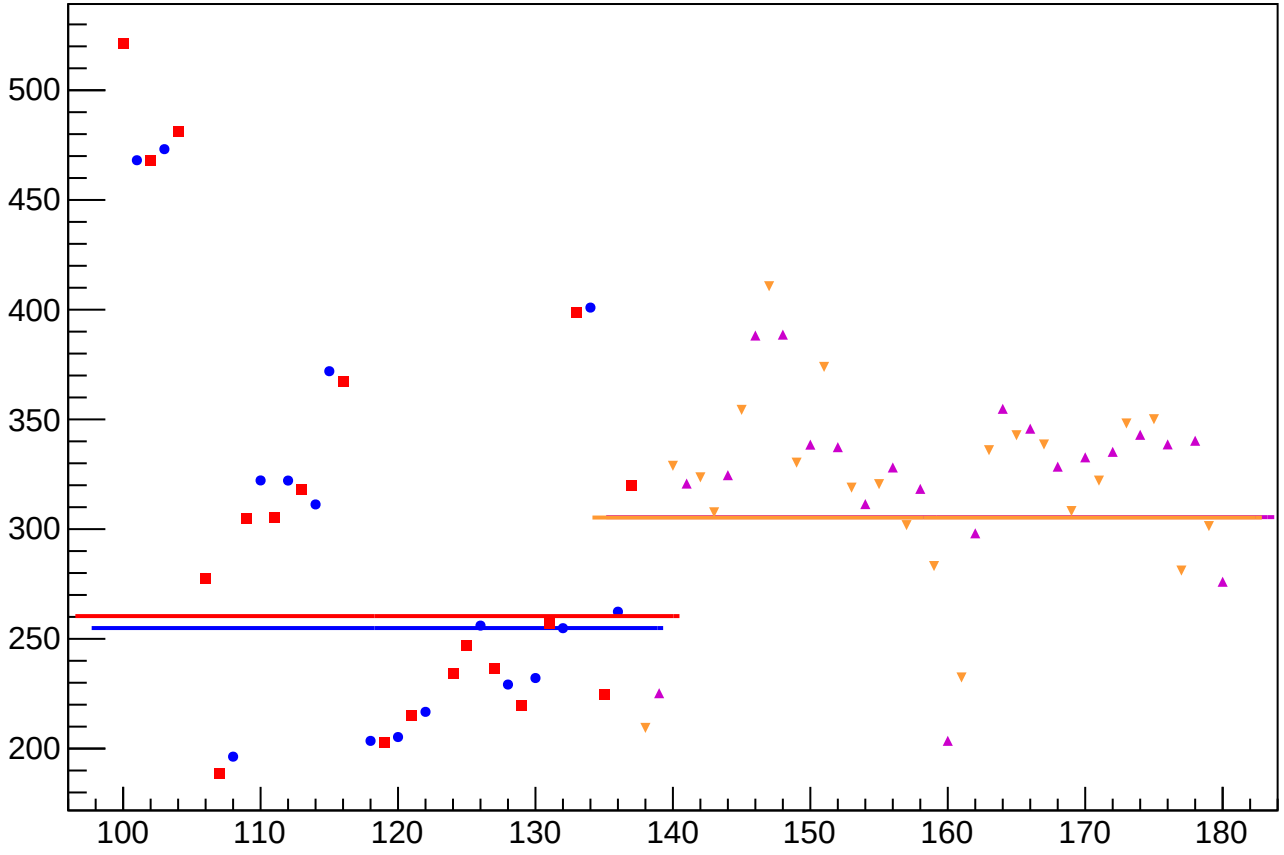
Left In: 139108.582+/-0.076 χ^2/NDF:1736240545.5/20

+ sign 139922.674+/-0.060 χ^2/NDF: 3521202813.8

All: 139917.606+/-0.043 χ^2/NDF: 64994587

- 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: 305.281+/-0.053 χ^2/NDF:815324.3/21

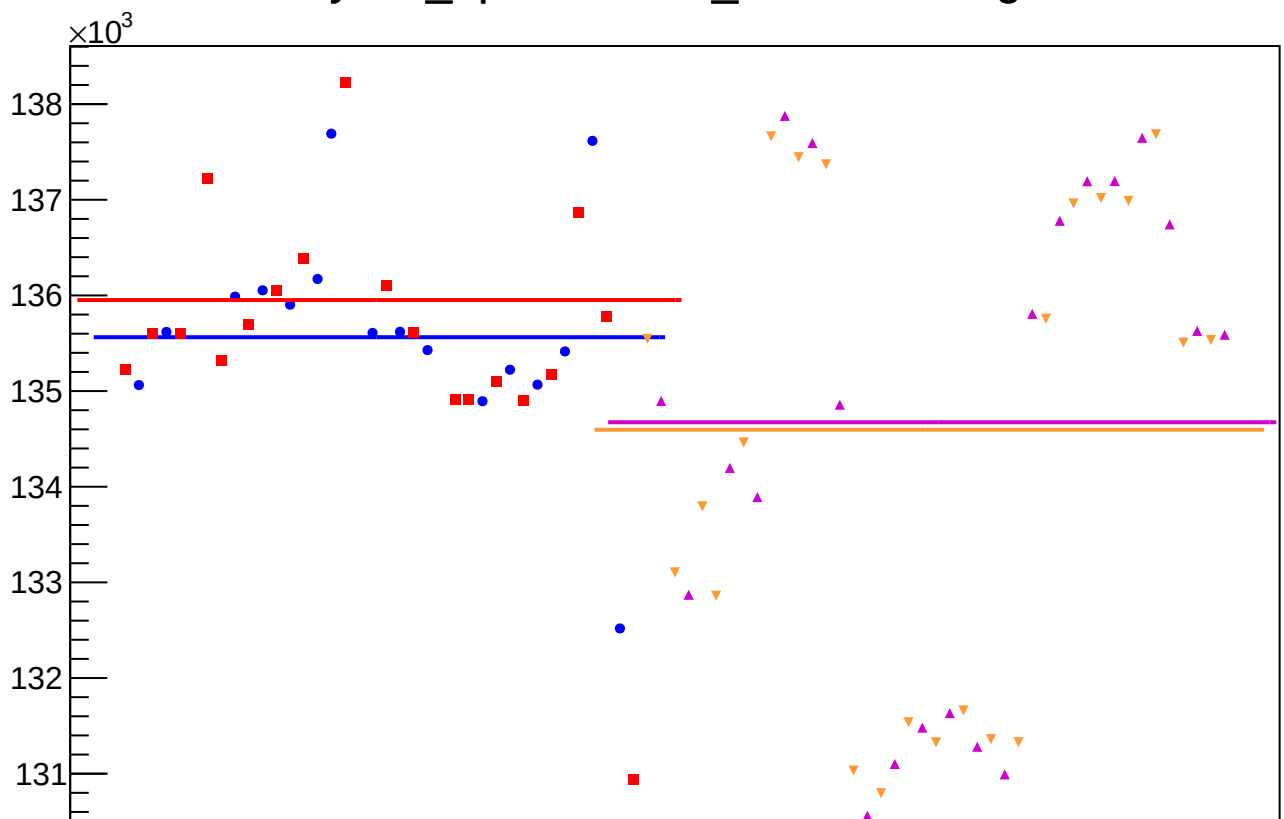
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 305.468+/-0.053 χ^2/NDF:959431.9/20

+ sign 287.378+/-0.043 χ^2/NDF: 2086971.7/37

All: 288.327+/-0.030 χ^2/NDF: 4296157.0/77

- 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: 134595.773+/-0.065 χ^2/NDF:1198181476.7/21

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

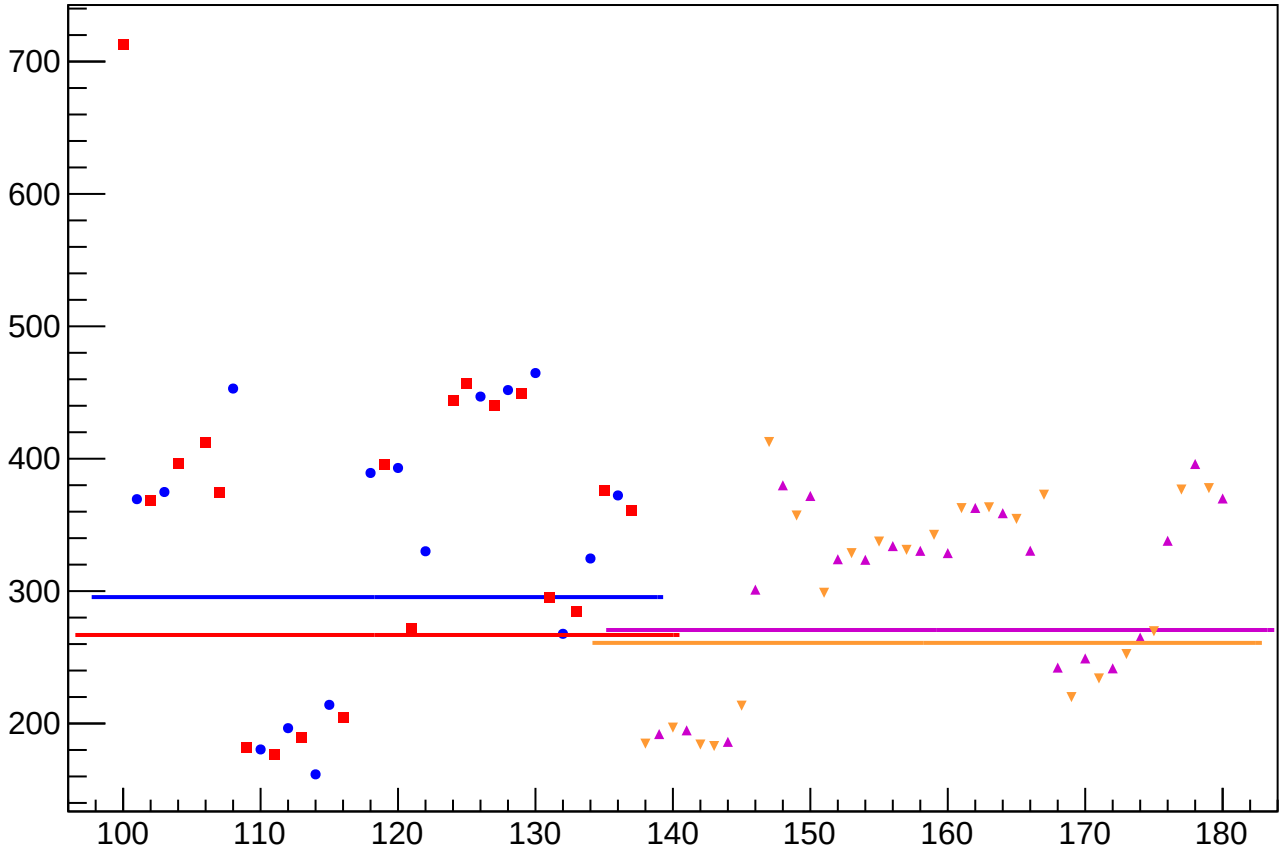
Left In: 134674.170+/-0.068 χ^2/NDF:1096121418.1/20

+ sign 134822.502+/-0.057 χ^2/NDF: 1343489679.9

All: 134933.482+/-0.040 χ^2/NDF: 2641133

- 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: 260.896+/-0.046 χ^2/NDF:2490595.3/21

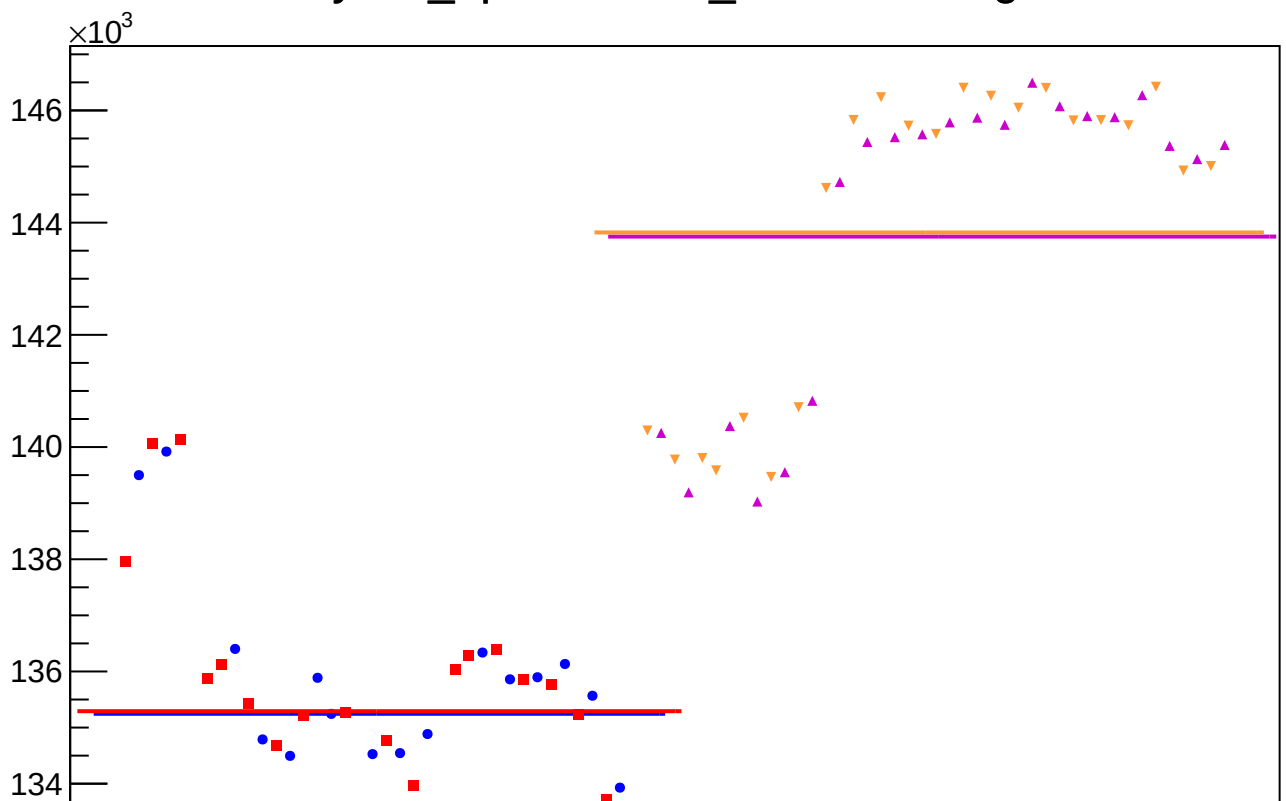
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 270.626+/-0.048 χ^2/NDF:2054933.9/20

+ sign 269.003+/-0.041 χ^2/NDF: 4063880.9/37

All: 269.270+/-0.029 χ^2/NDF: 7798753.1/77

- 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: 143825.289+/-0.050 χ^2/NDF:3122319403.8/21

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

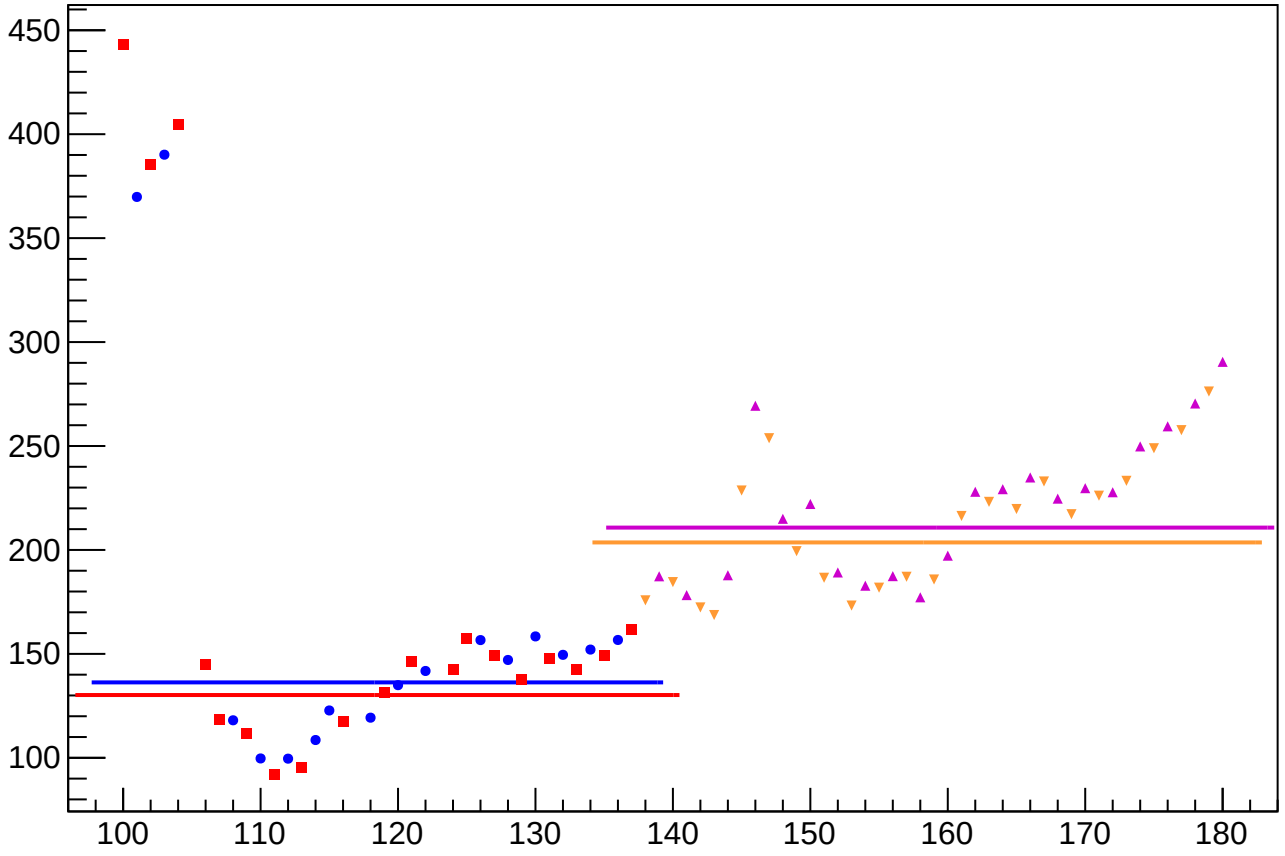
Left In: 143751.566+/-0.052 χ^2/NDF:2797049131.3/20

+ sign 139950.226+/-0.037 χ^2/NDF: 16987301921.

All: 139735.631+/-0.026 χ^2/NDF: 33600494

- 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: 203.615+/-0.035 χ^2/NDF:682565.7/21

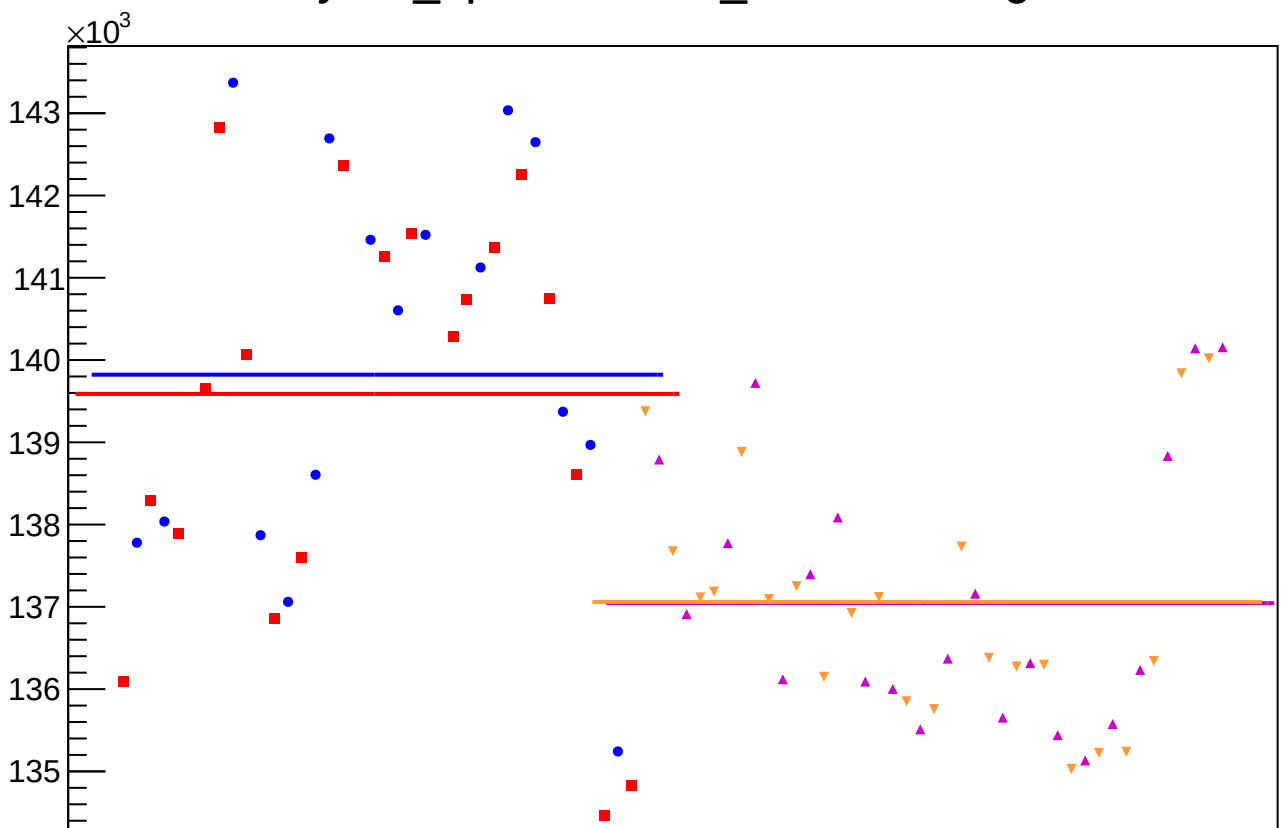
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 210.747+/-0.037 χ^2/NDF:710272.1/20

+ sign 173.202+/-0.026 χ^2/NDF: 3726769.8/37

All: 171.840+/-0.018 χ^2/NDF: 8386465.2/77

- 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: 137059.689+/-0.051 χ^2/NDF:720643844.7/21

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

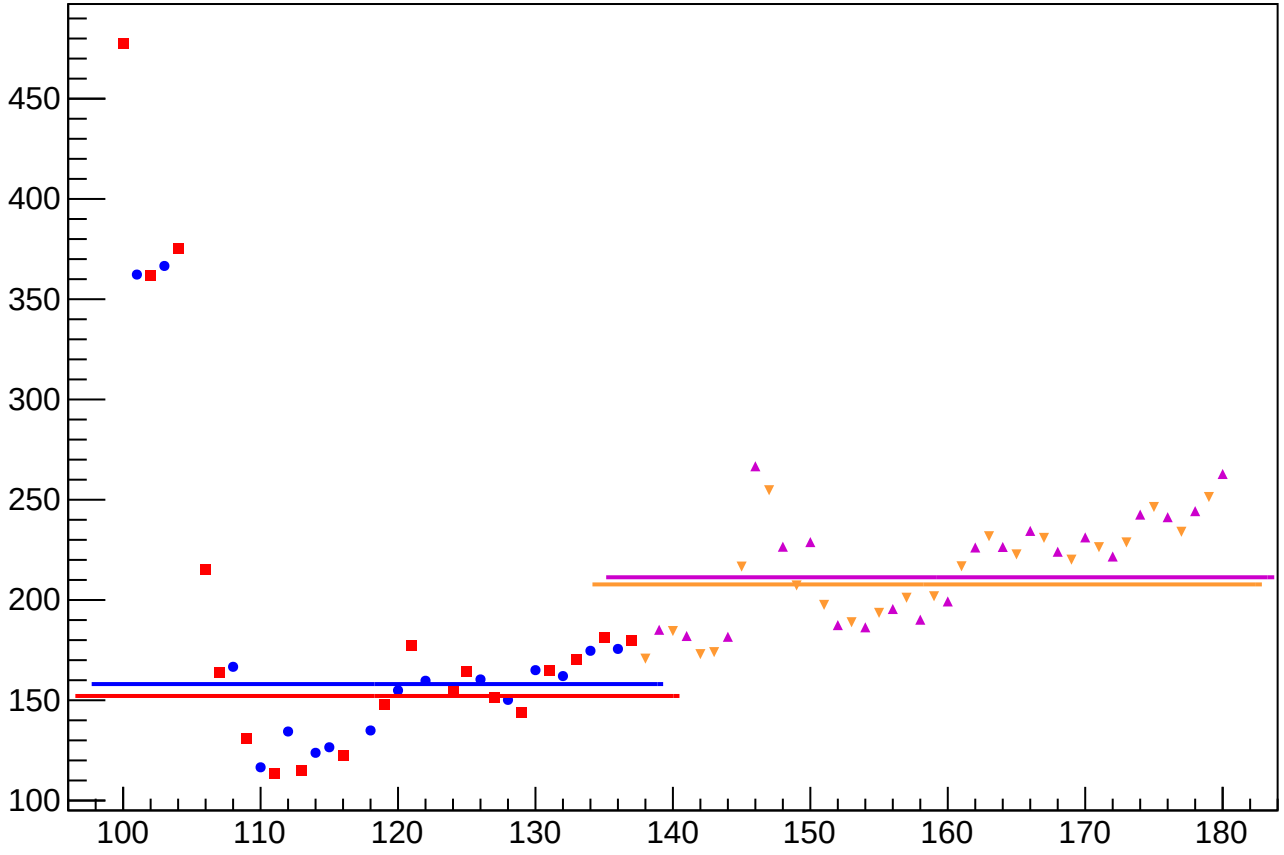
Left In: 137045.400+/-0.052 χ^2/NDF:792143227.0/20

+ sign 138151.550+/-0.039 χ^2/NDF: 3561964711.3

All: 138144.004+/-0.028 χ^2/NDF: 68715229

- 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: 207.773+/-0.036 χ^2/NDF:460562.3/21

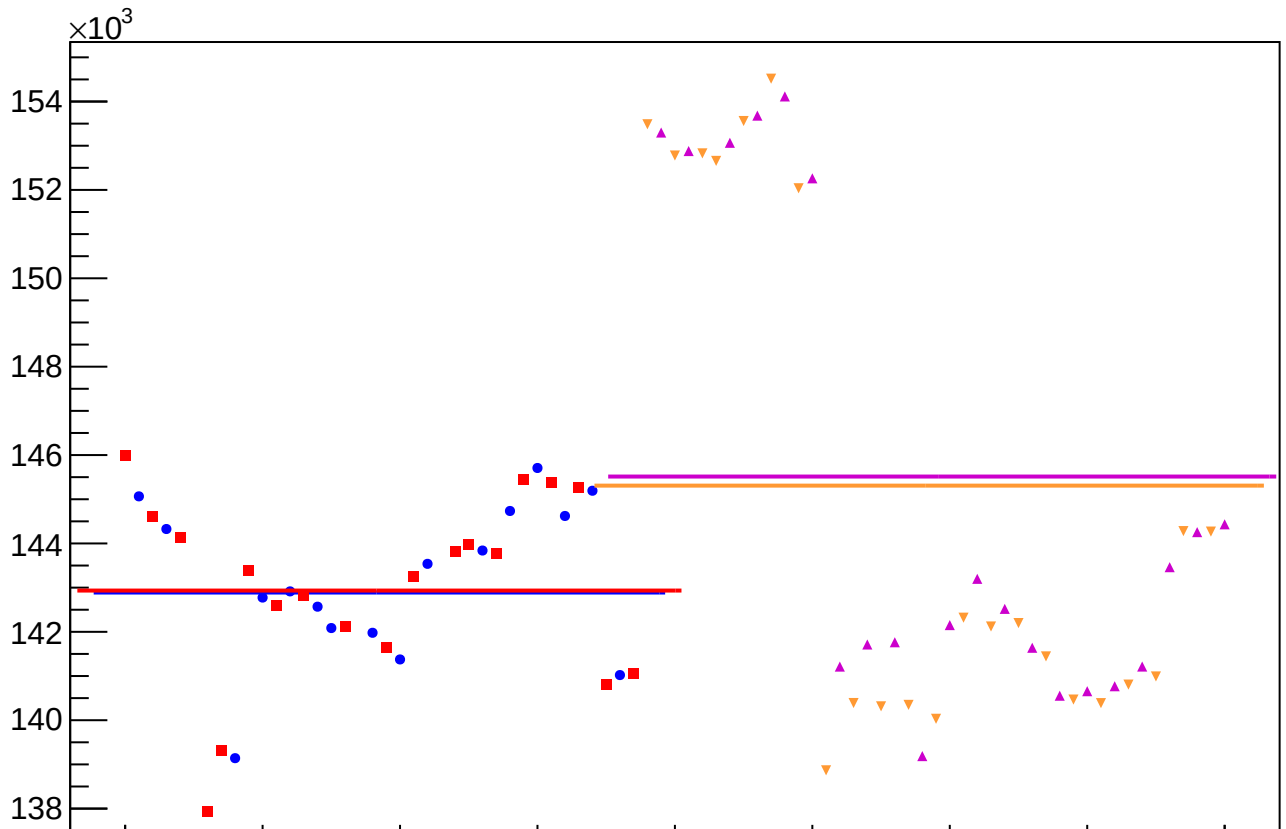
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 211.335+/-0.037 χ^2/NDF:503564.6/20

+ sign 188.131+/-0.028 χ^2/NDF: 2240873.5/37

All: 187.024+/-0.020 χ^2/NDF: 5098124.4/77

- 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: 145308.433+/-0.051 χ^2/NDF:13001946778.4/21

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

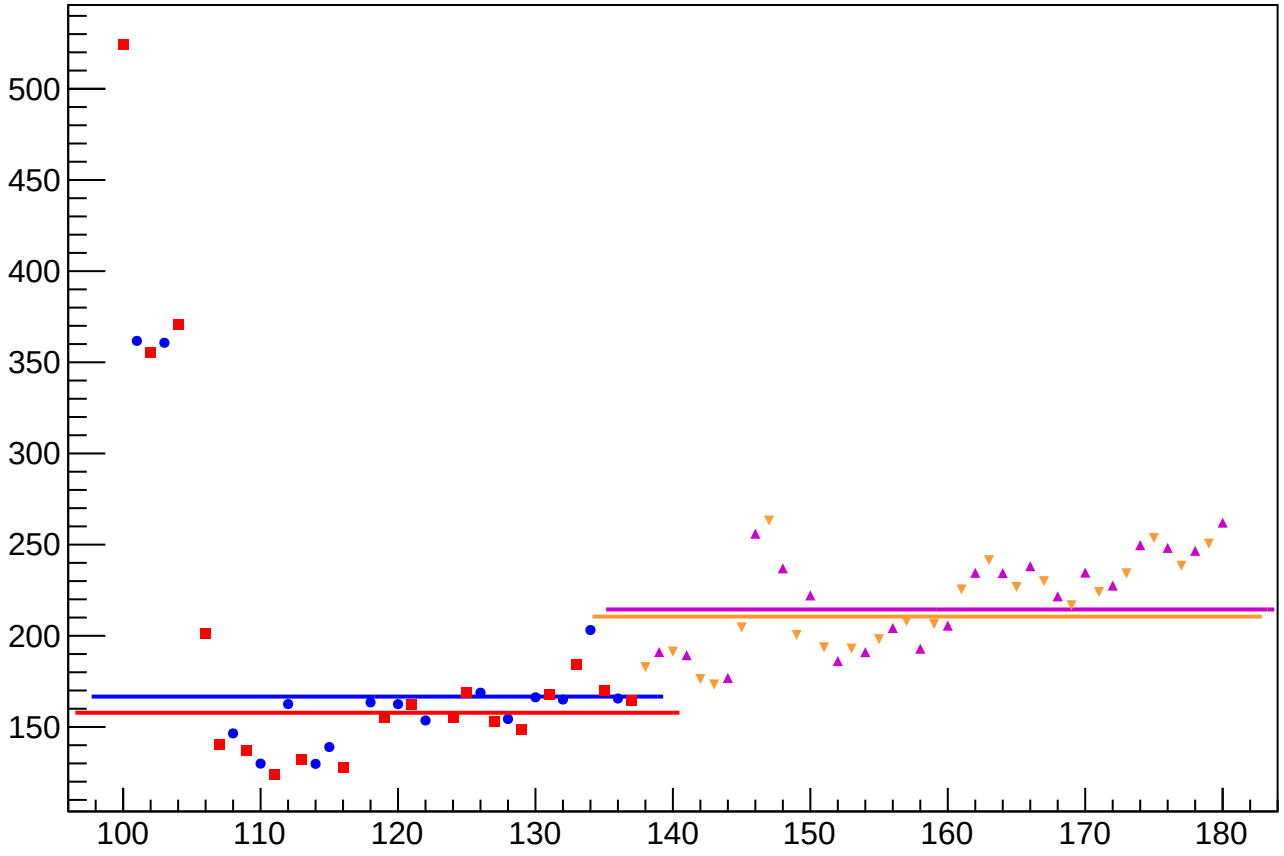
Left In: 145513.891+/-0.053 χ^2/NDF:11038439033.0/20

+ sign 144393.448+/-0.040 χ^2/NDF: 14608547849.

All: 144410.406+/-0.028 χ^2/NDF: 27451995

- 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: 210.534+/-0.036 χ^2/NDF:444669.2/21

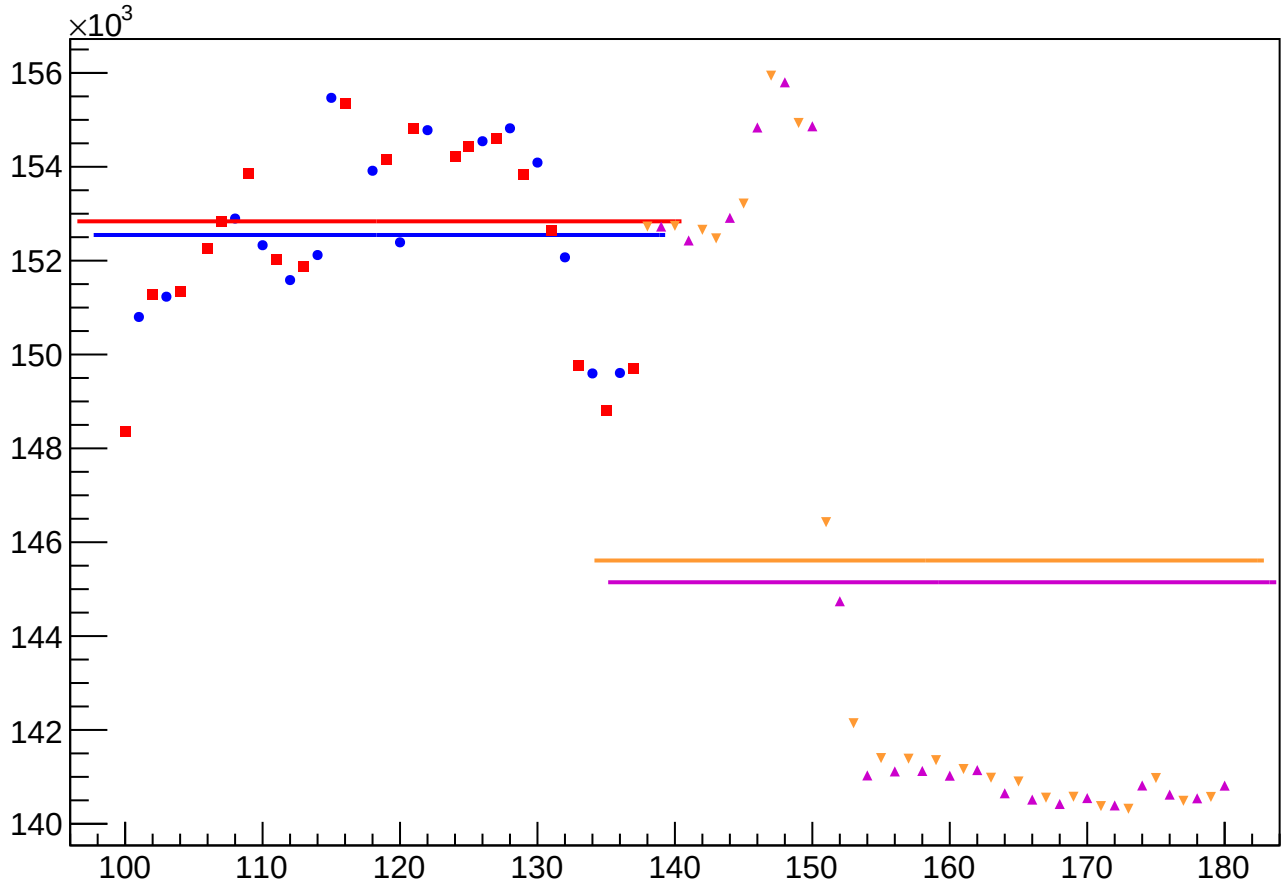
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 214.446+/-0.037 χ^2/NDF:485437.9/20

+ sign 193.938+/-0.029 χ^2/NDF: 1863139.7/37

All: 192.243+/-0.020 χ^2/NDF: 4358331.8/77

- 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: 145610.695+/-0.051 χ^2/NDF:13007976649.8/21

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

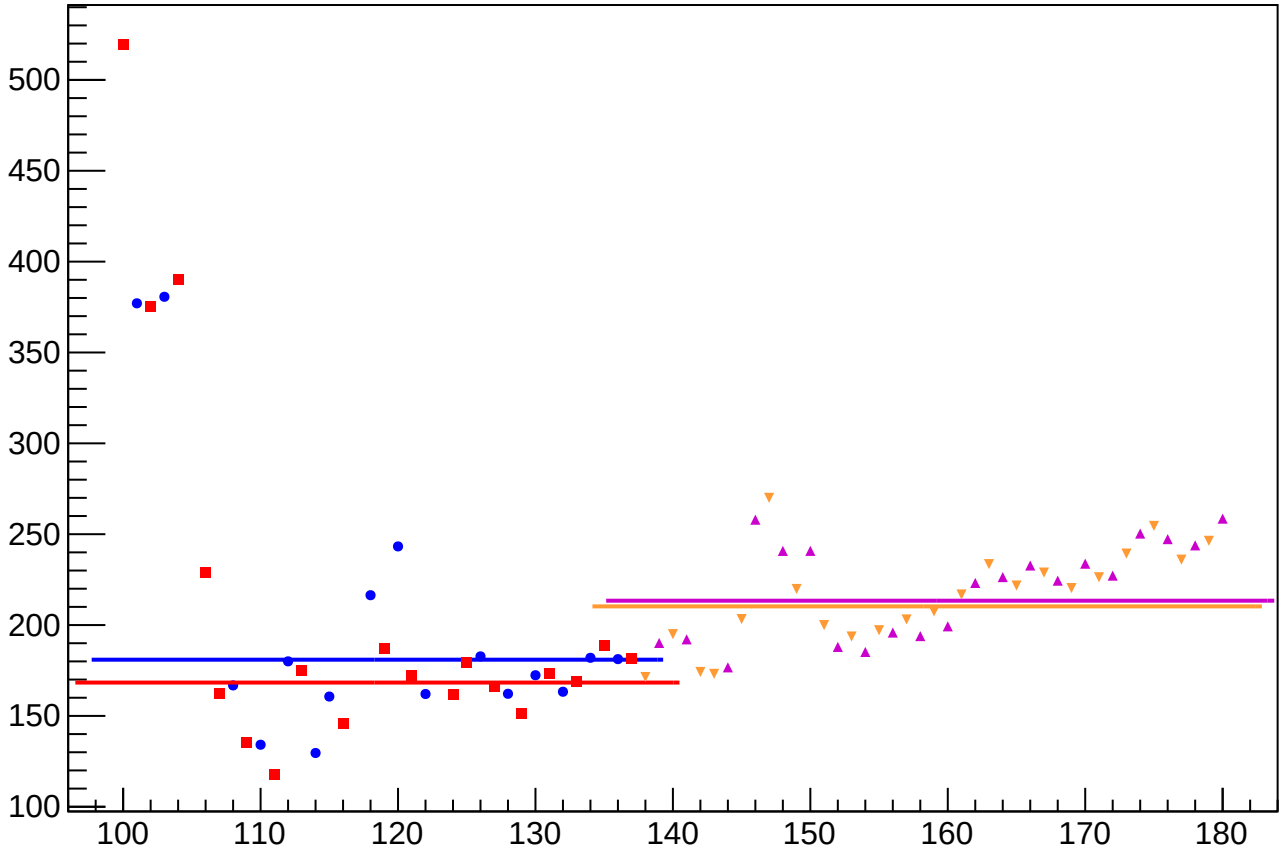
Left In: 145147.047+/-0.052 χ^2/NDF:12818531448.7/20

+ sign 147904.619+/-0.042 χ^2/NDF: 19769085001.

All: 147986.978+/-0.029 χ^2/NDF: 41590173

- 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: 210.273+/-0.036 χ^2/NDF:478356.0/21

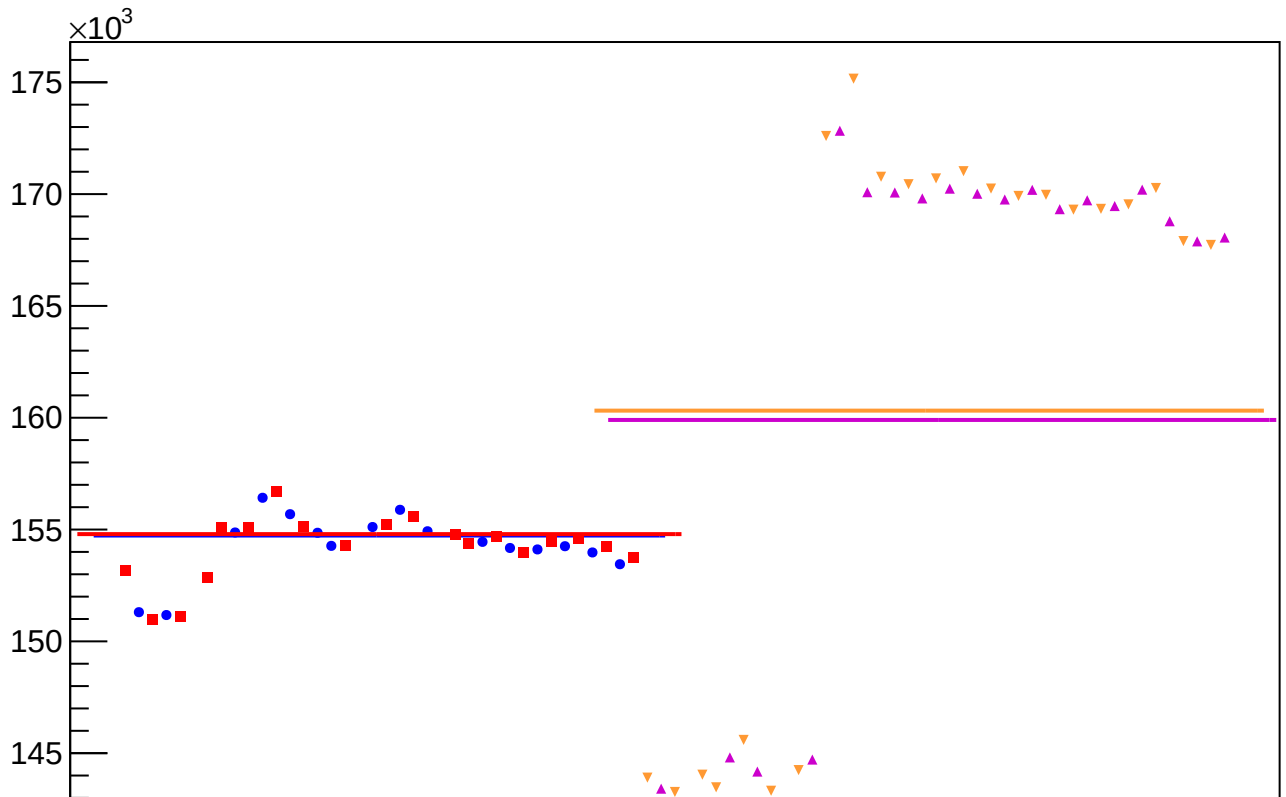
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 213.406+/-0.037 χ^2/NDF:506868.1/20

+ sign 200.572+/-0.030 χ^2/NDF: 1604564.8/37

All: 198.401+/-0.021 χ^2/NDF: 3778027.7/77

- 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: 160317.900+/-0.049 χ^2/NDF:73107932782.5/21

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

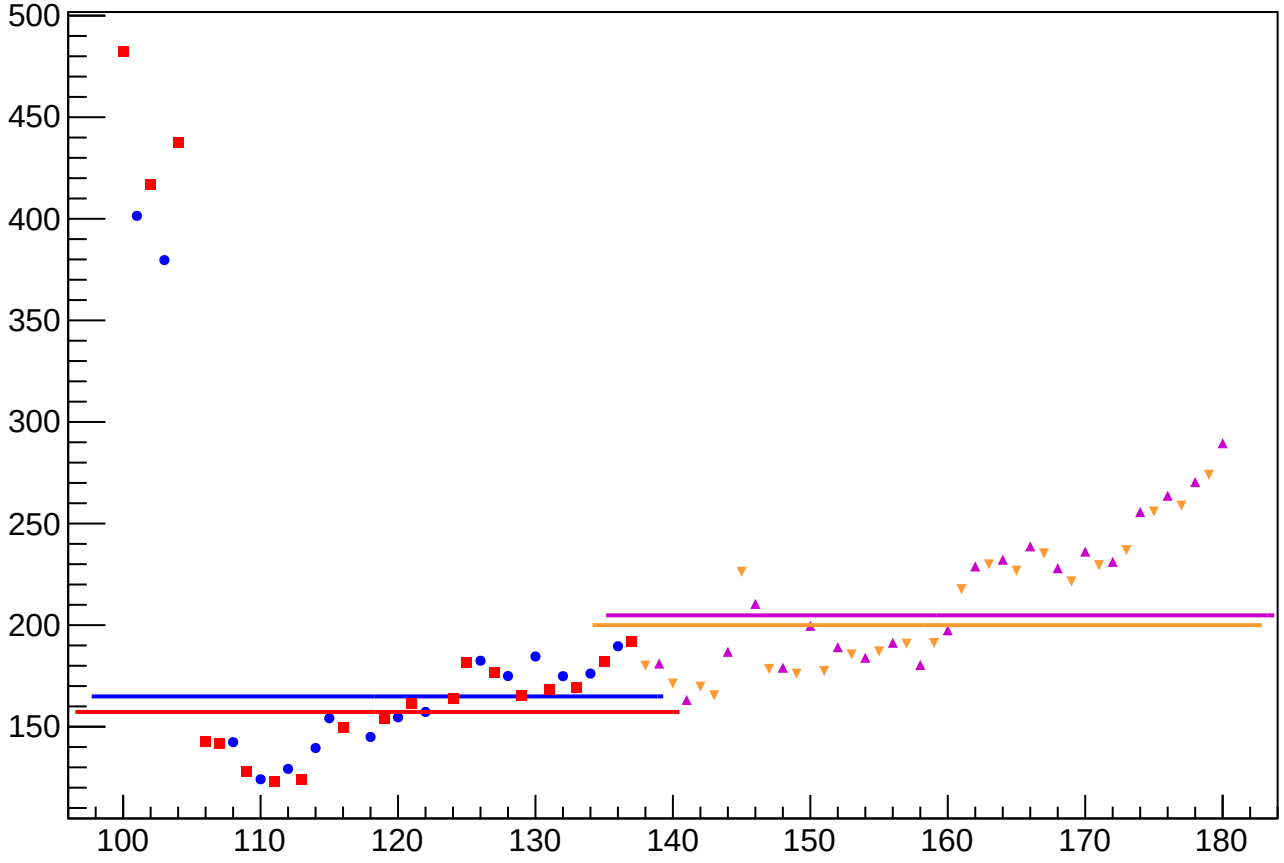
Left In: 159901.044+/-0.050 χ^2/NDF:65920304712.1/20

+ sign 158319.929+/-0.039 χ^2/NDF: 78095166378.

All: 158081.039+/-0.027 χ^2/NDF: 14856878

- 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: 200.005+/-0.034 χ^2/NDF:742303.9/21

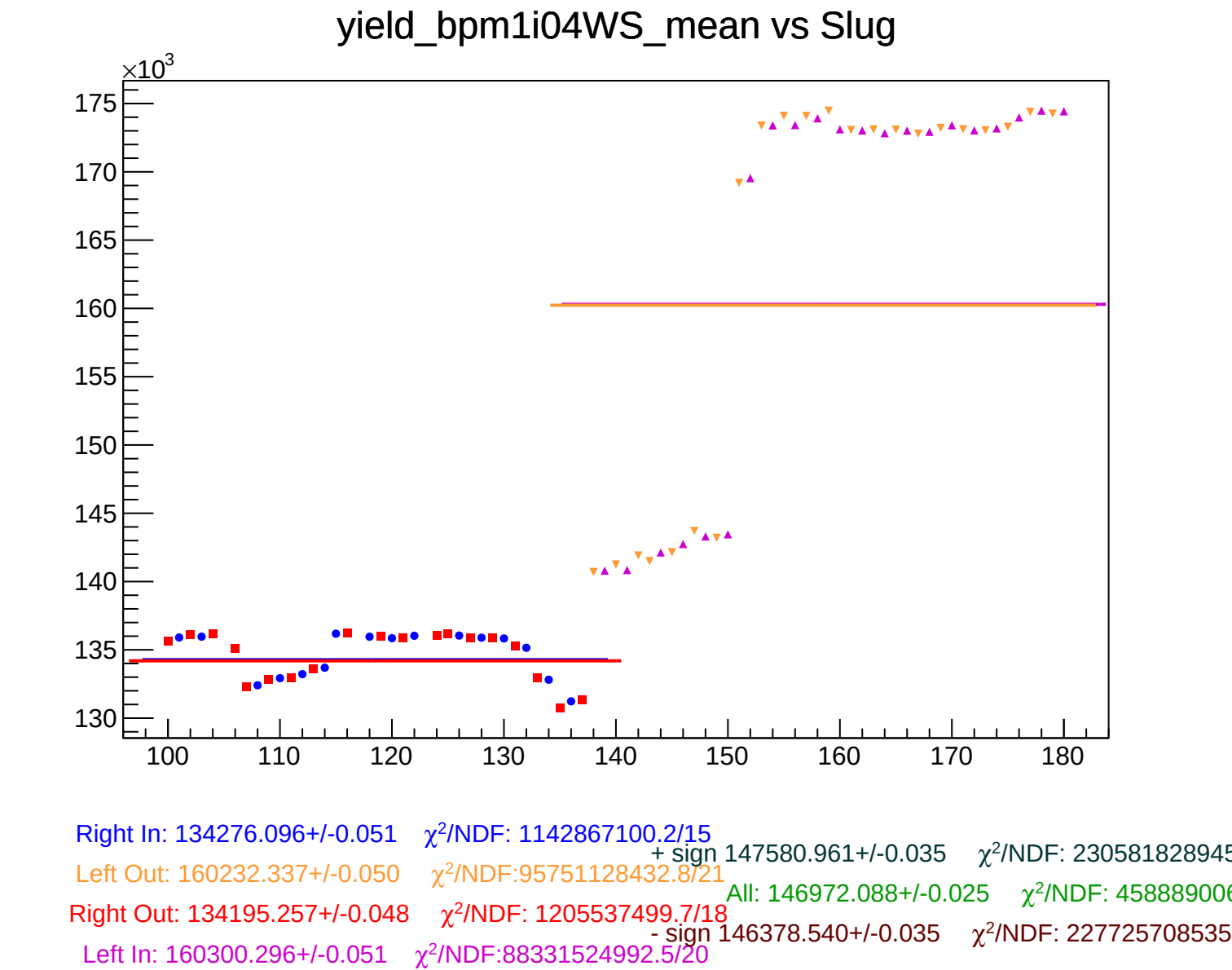
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 204.806+/-0.035 χ^2/NDF:779305.9/20

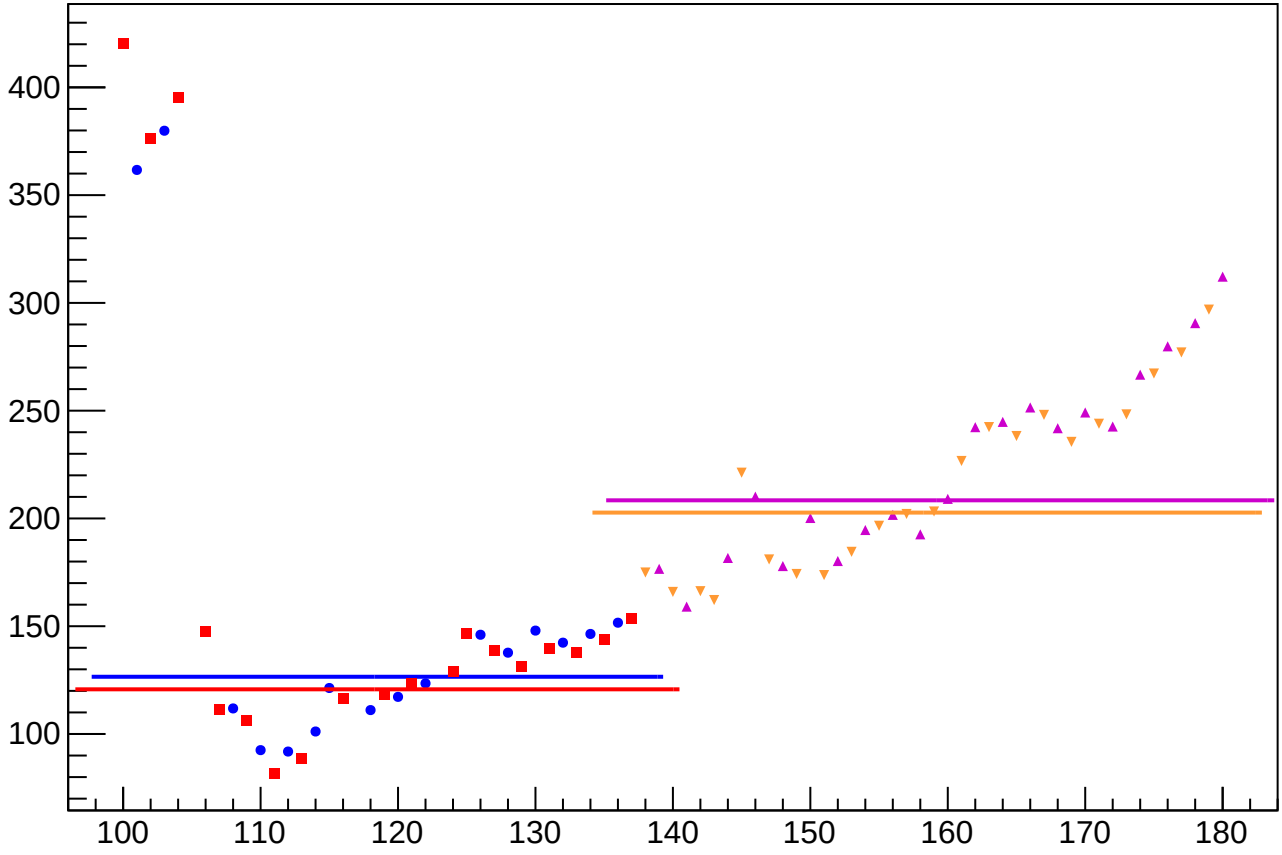
+ sign 187.449+/-0.028 χ^2/NDF: 2187332.4/37

All: 186.553+/-0.019 χ^2/NDF: 4947063.2/77

- sign 185.668+/-0.027 χ^2/NDF: 2757632.1/39


yield_bpm1i04WS_mean vs Slug
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
160
170
180
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 160232.337+/-0.050 χ²/NDF:95751128432.8/21
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 160300.296+/-0.051 χ²/NDF:88331524992.5/20
+ sign 147580.961+/-0.035 χ²/NDF: 23058182894
All: 146972.088+/-0.025 χ²/NDF: 45888900
- sign 146378.540+/-0.035 χ²/NDF: 227725708535

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 202.716+/-0.035 χ^2/NDF:1051490.8/21

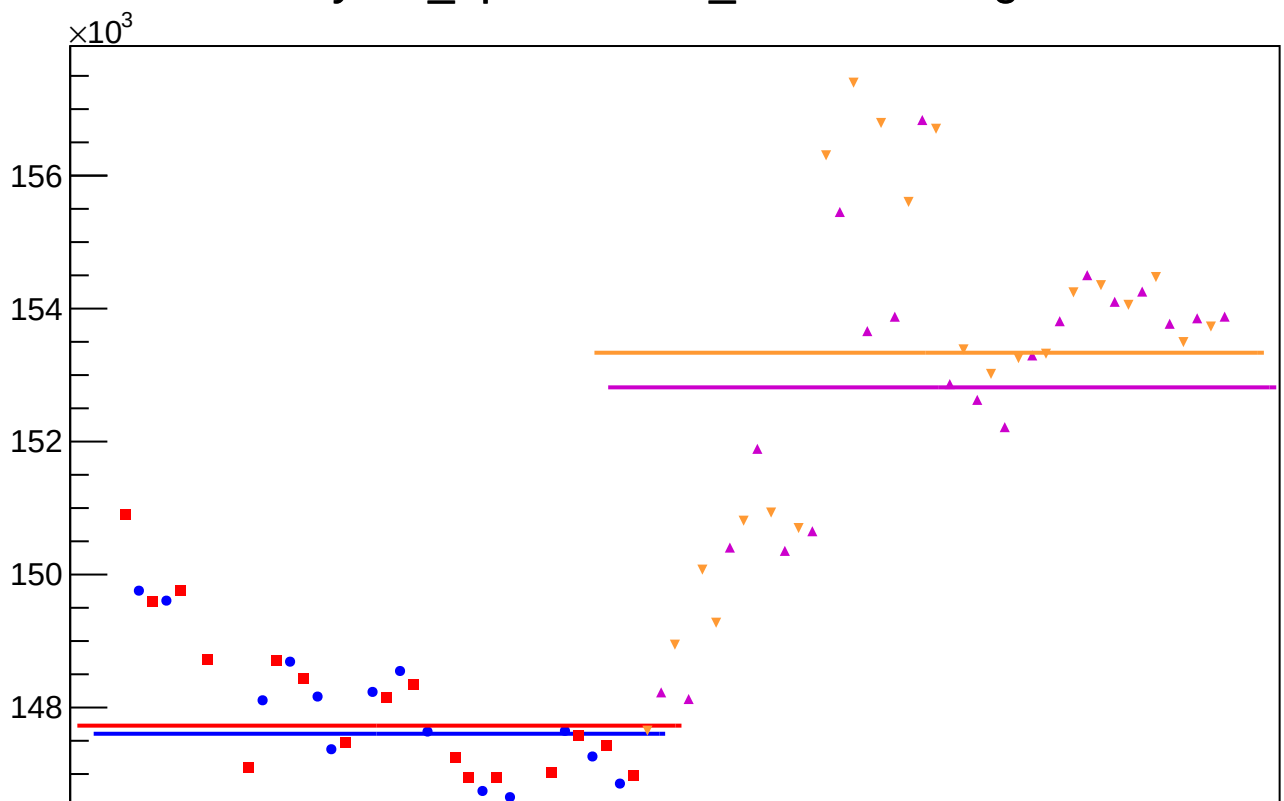
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 208.411+/-0.036 χ^2/NDF:1070992.0/20

+ sign 165.592+/-0.025 χ^2/NDF: 4831160.6/37

All: 163.595+/-0.018 χ^2/NDF: 10665813.0/77

- 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: 153336.266+/-0.052 χ^2/NDF:2978089555.5/21

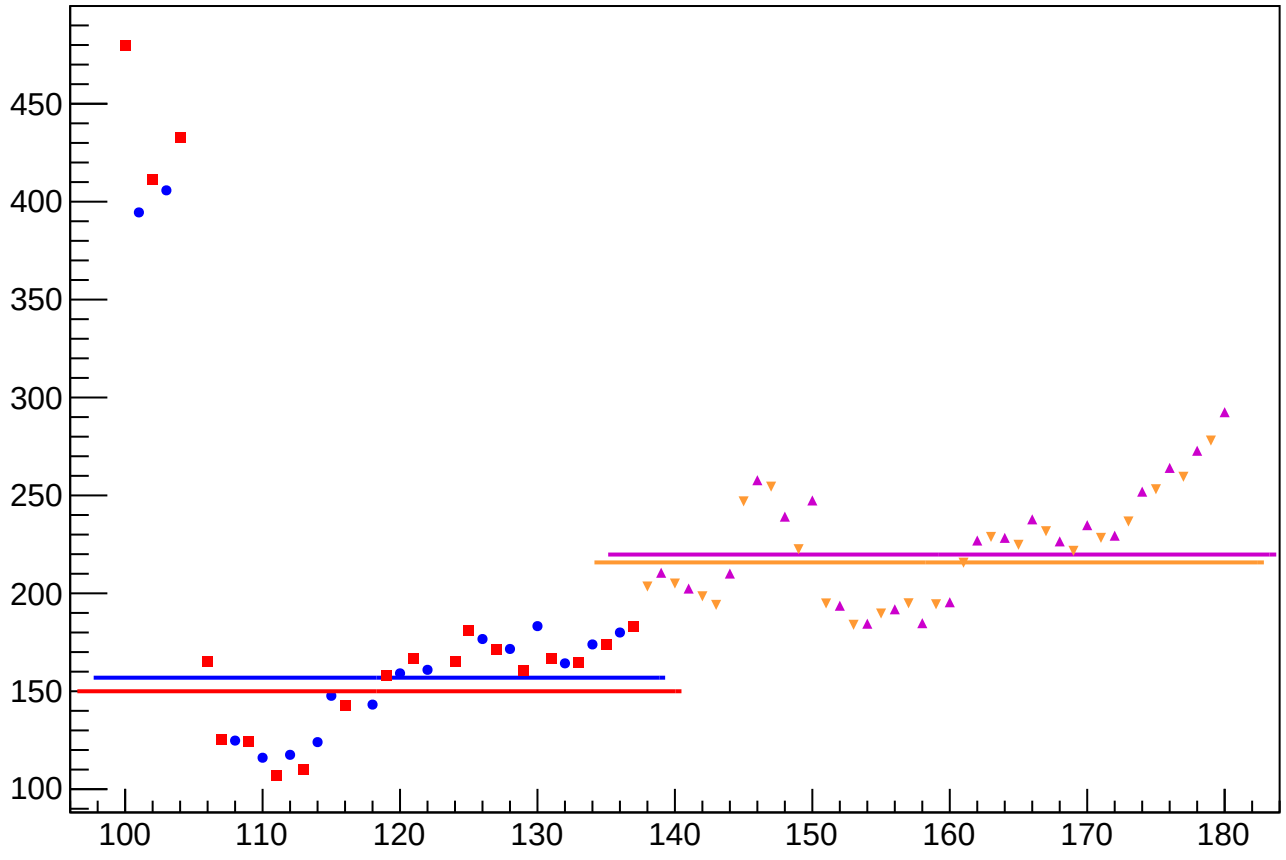
Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152815.400+/-0.054 χ^2/NDF:1911458258.2/20

+ sign 150974.780+/-0.040 χ^2/NDF: 8125449943.3

All: 150739.081+/-0.028 χ^2/NDF: 14373640

- sign 150508.288+/-0.040 χ^2/NDF: 6179827988.7/



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 215.791+/-0.037 χ^2/NDF:434890.3/21

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

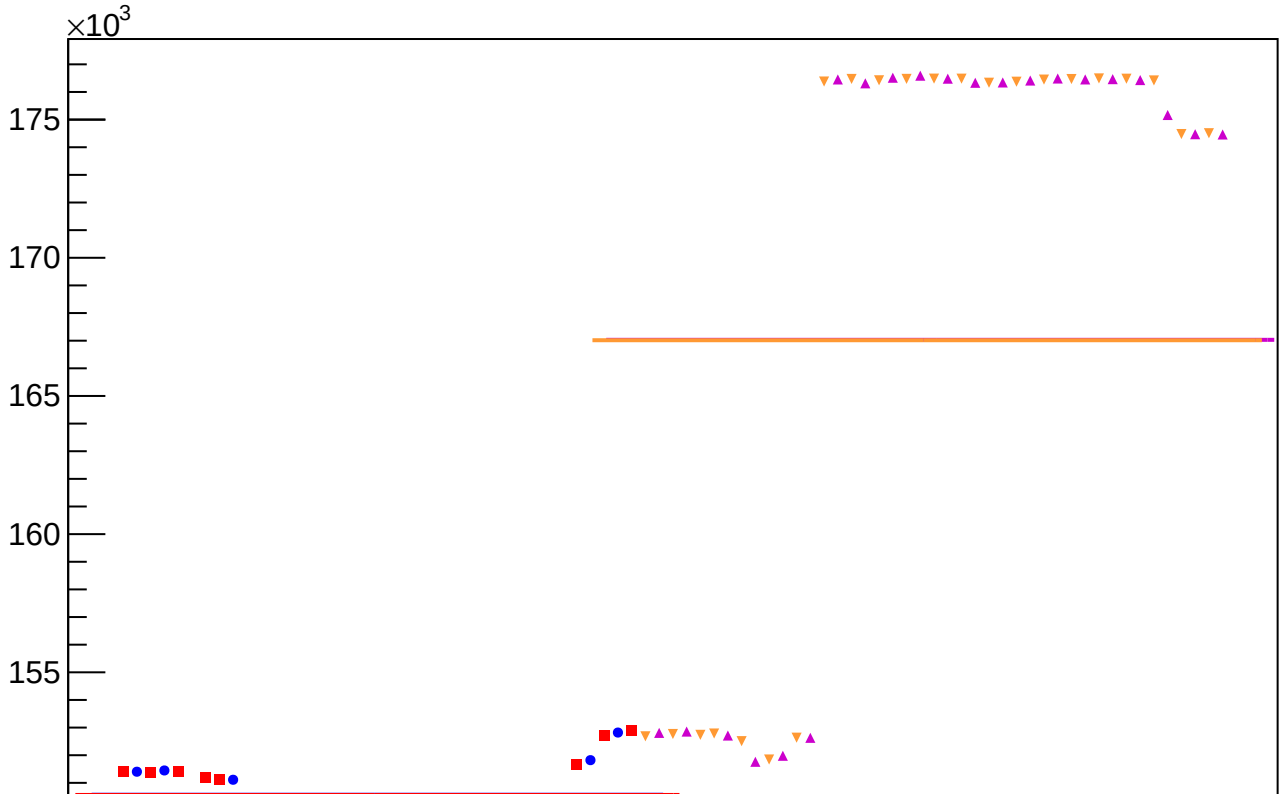
Left In: 219.810+/-0.038 χ^2/NDF:564715.4/20

+ sign 191.534+/-0.028 χ^2/NDF: 2744519.7/37

All: 189.825+/-0.020 χ^2/NDF: 6304465.3/77

- sign 188.151+/-0.028 χ^2/NDF: 3552755.7/39

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167016.723+/-0.048 χ^2/NDF:58391880135.2/21

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

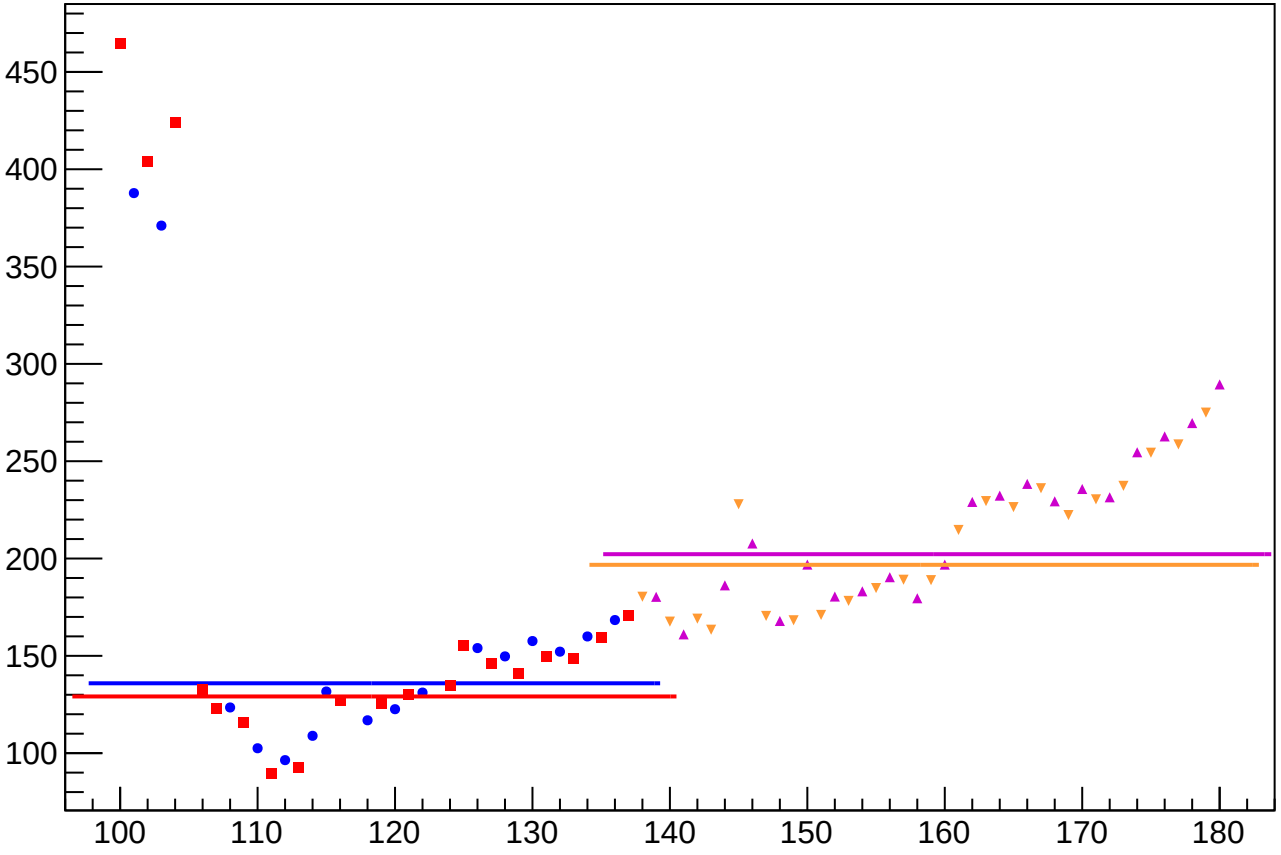
Left In: 167031.182+/-0.050 χ^2/NDF:54510583815.3/20

+ sign 159861.590+/-0.036 χ^2/NDF: 10988154145

All: 159438.094+/-0.025 χ^2/NDF: 2184949

- sign 159025.682+/-0.036 χ^2/NDF: 10834056015

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 196.763+/-0.034 χ^2/NDF:856636.9/21

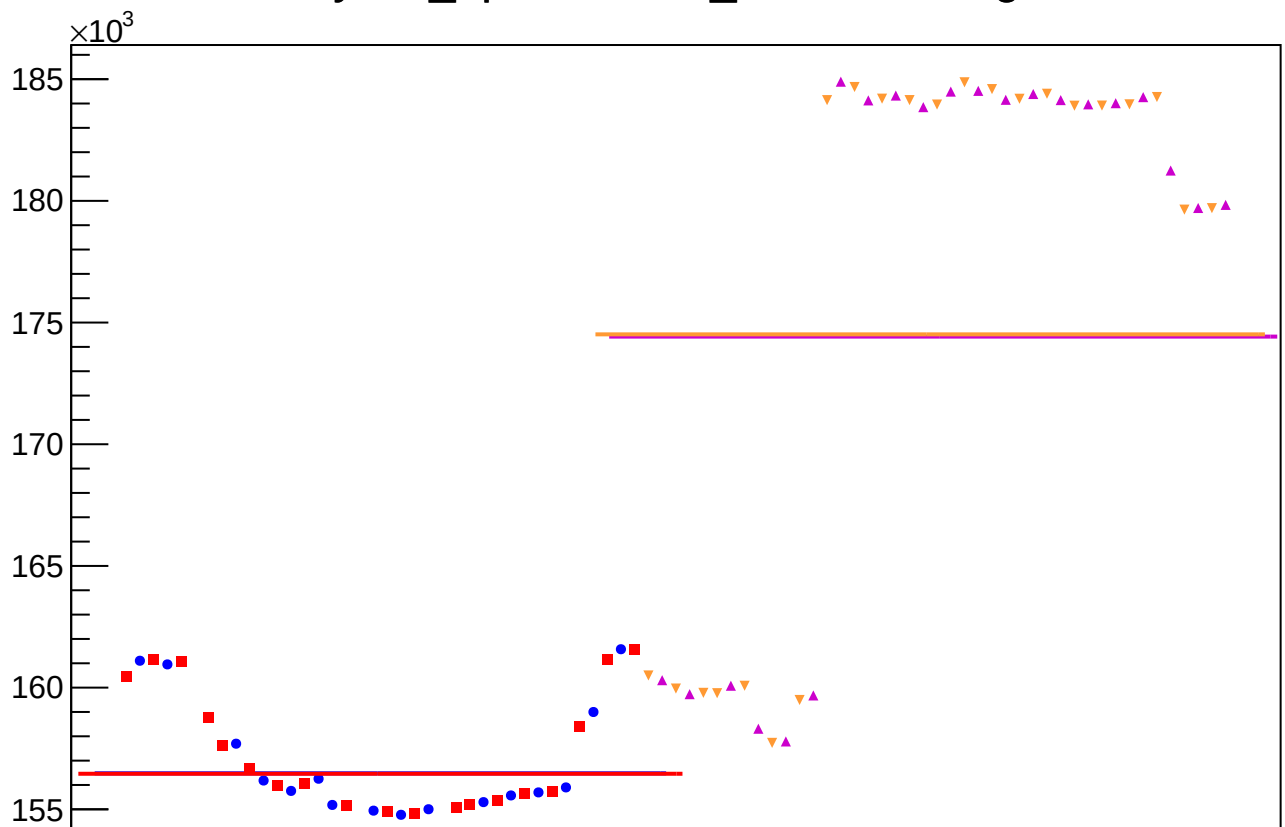
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 202.228+/-0.035 χ^2/NDF:860171.7/20

+ sign 170.285+/-0.025 χ^2/NDF: 3676696.9/37

All: 168.467+/-0.018 χ^2/NDF: 8274217.9/77

- sign 166.697+/-0.025 χ^2/NDF: 4587461.9/39



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174515.117+/-0.049 χ^2/NDF:57571903463.0/21

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

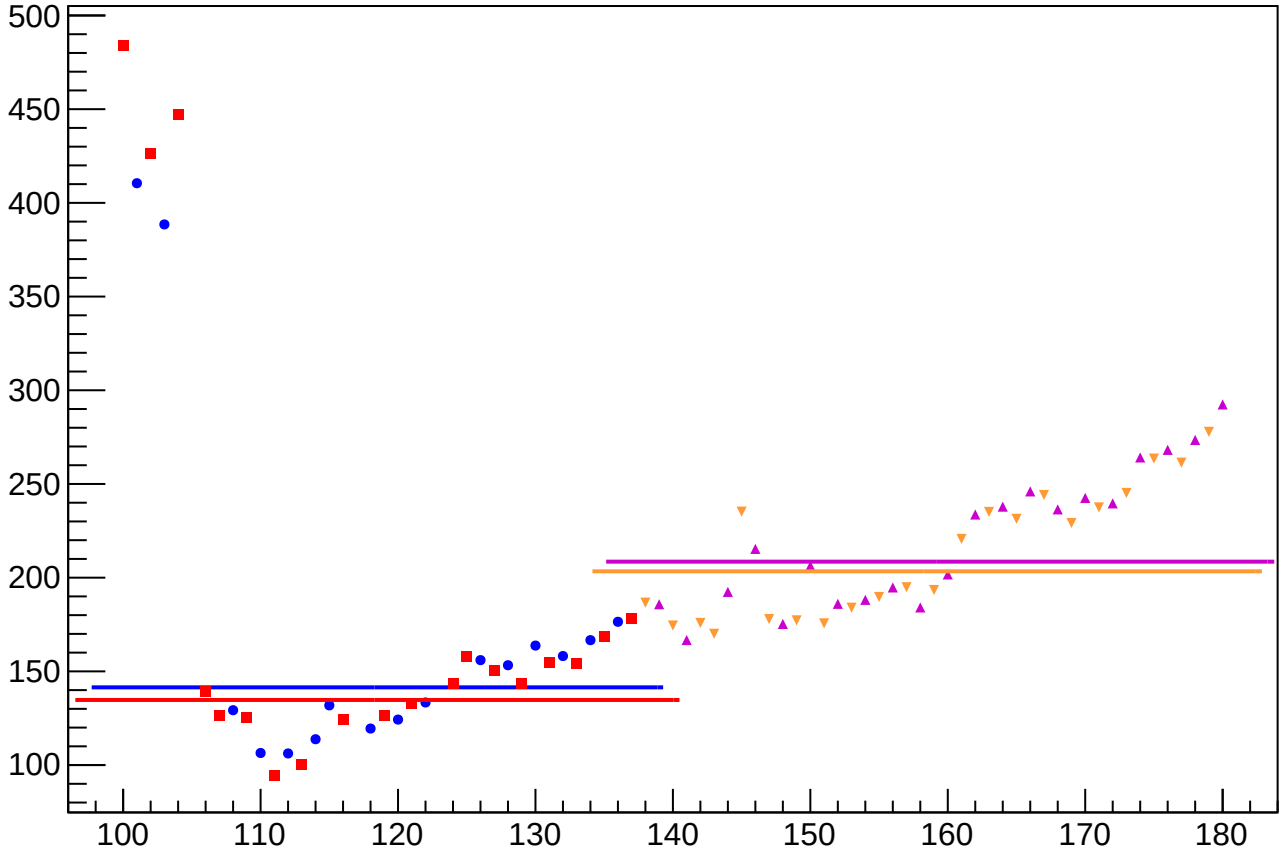
Left In: 174422.895+/-0.051 χ^2/NDF:54479522538.9/20

+ sign 166733.062+/-0.037 χ^2/NDF: 116163752702

All: 166255.519+/-0.026 χ^2/NDF: 23144407

- sign 165790.405+/-0.037 χ^2/NDF: 114957081838

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 203.386+/-0.035 χ^2/NDF:799390.3/21

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

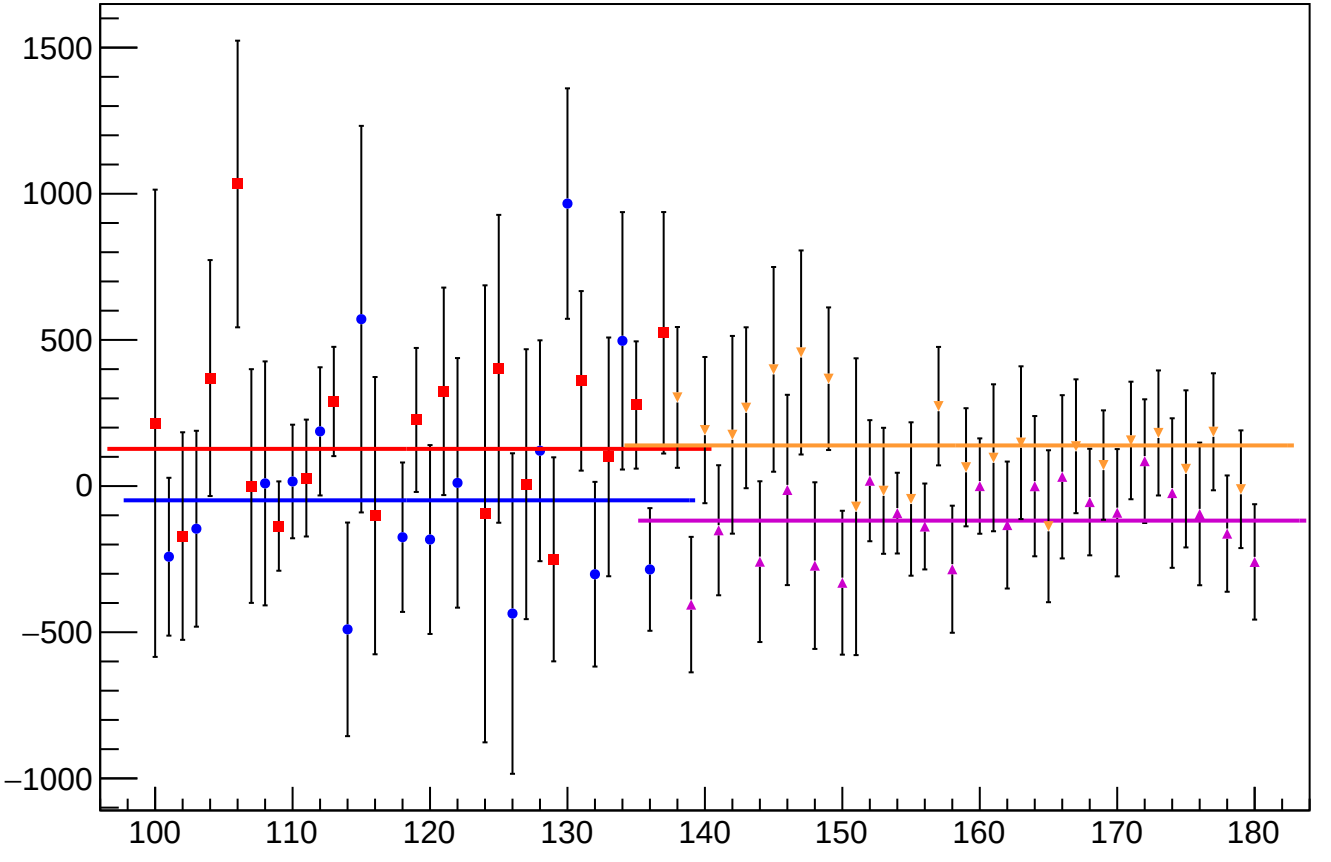
Left In: 208.544+/-0.036 χ^2/NDF:821209.5/20

+ sign 176.672+/-0.026 χ^2/NDF: 3541786.2/37

All: 174.851+/-0.019 χ^2/NDF: 7955967.6/77

- 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: 139.038+/-51.293 χ^2/NDF:6.8/21

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

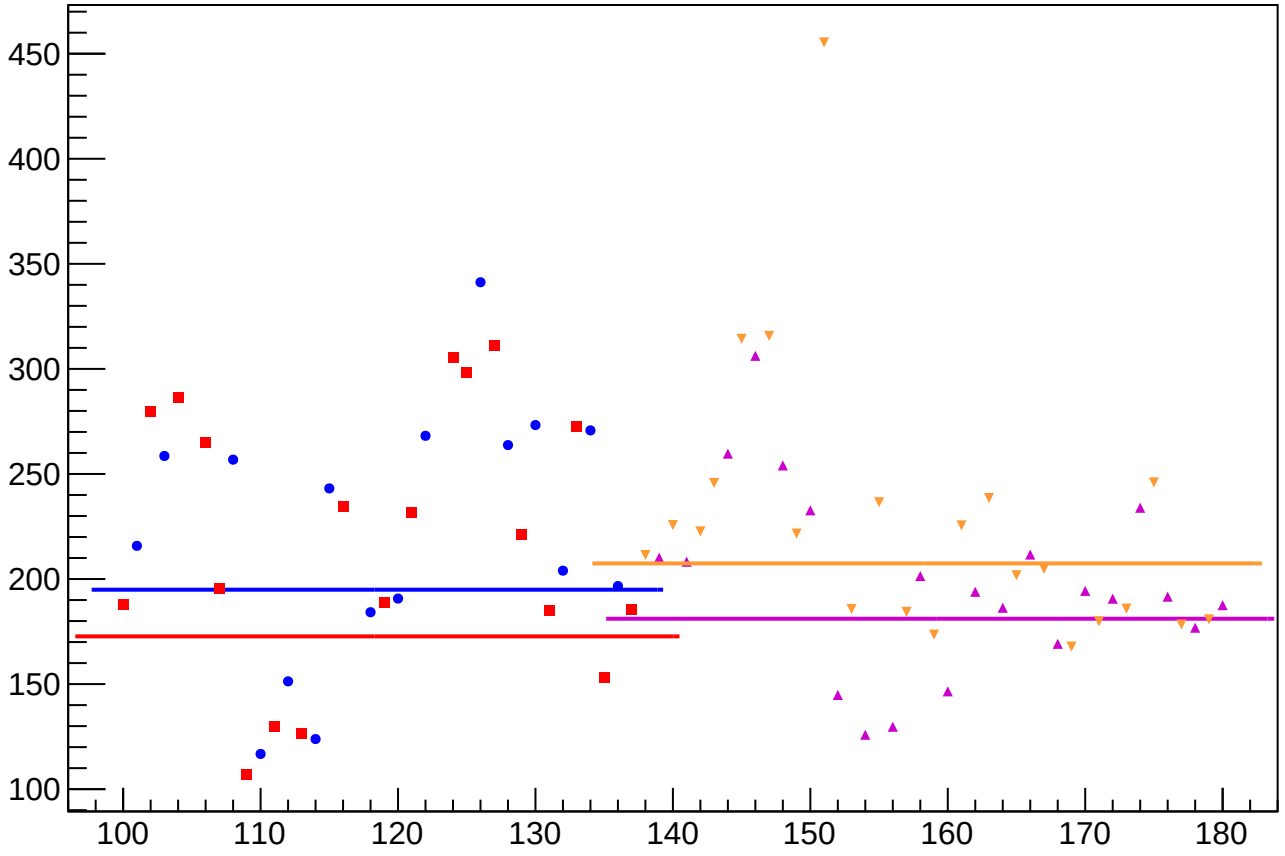
Left In: -118.188+/-45.690 χ^2/NDF:6.9/20

+ sign 80.895+/-42.619 χ^2/NDF: 26.4/37

All: 12.099+/-28.368 χ^2/NDF: 59.6/77

- 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: 207.431+/-0.036 χ^2/NDF:1349230.5/21

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

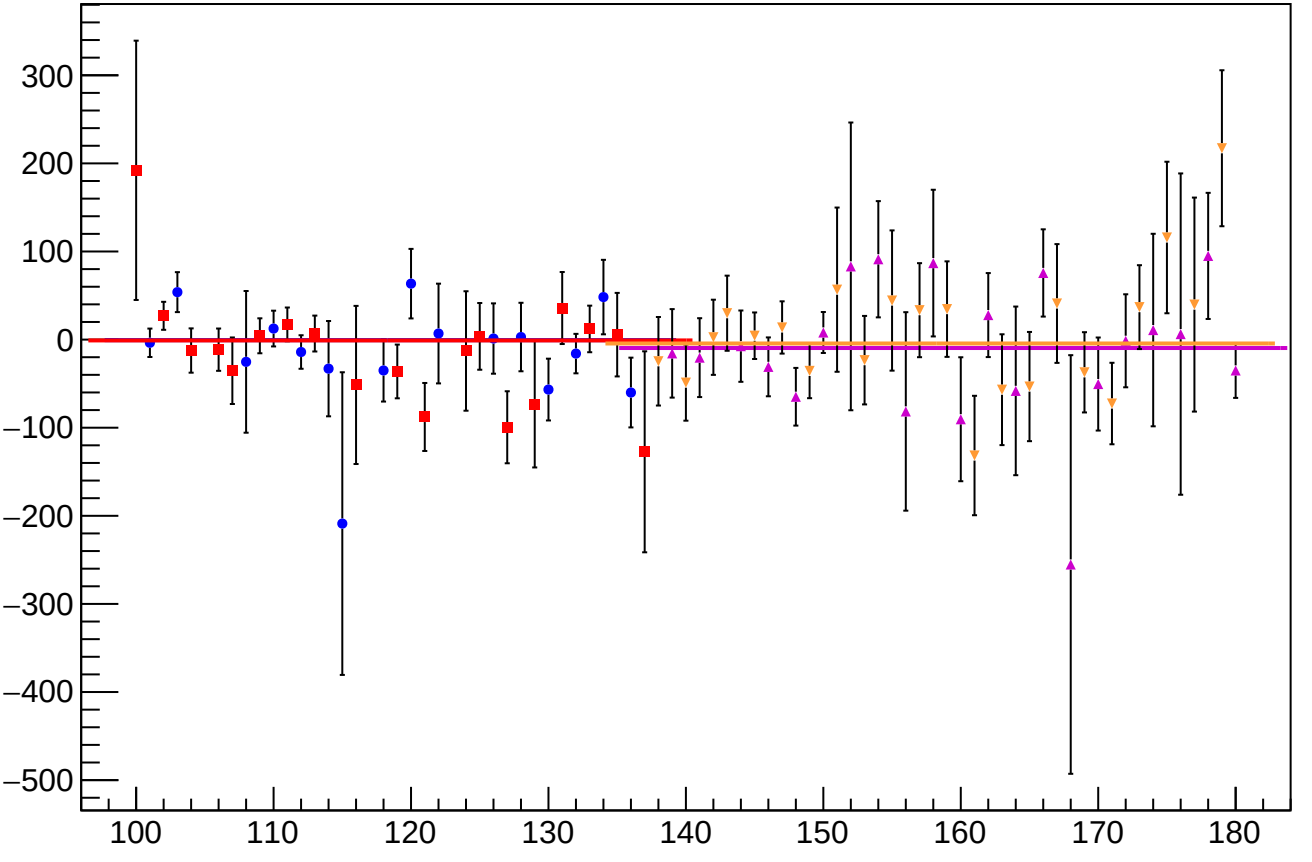
Left In: 181.110+/-0.032 χ^2/NDF:1615638.2/20

+ sign 203.558+/-0.030 χ^2/NDF: 2414954.8/37

All: 189.614+/-0.020 χ^2/NDF: 6067183.1/77

- 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: -4.416+/-10.164 χ^2/NDF:22.4/21

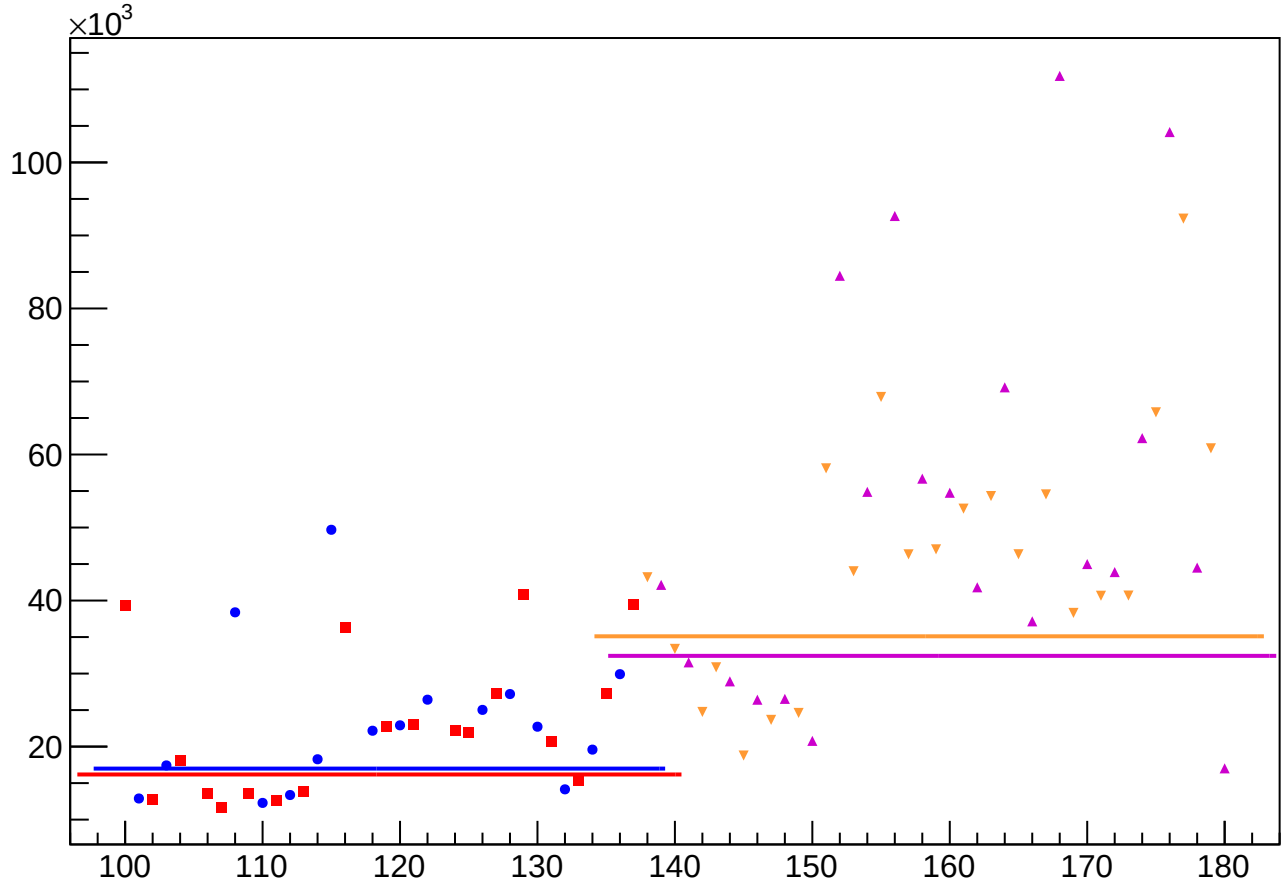
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -9.562+/-10.594 χ^2/NDF:18.0/20

+ sign -1.924+/-5.951 χ^2/NDF: 41.4/37

All: -2.712+/-4.117 χ^2/NDF: 83.0/77

- 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: 35104.250+/-7.187 χ^2/NDF:3678878.2/21

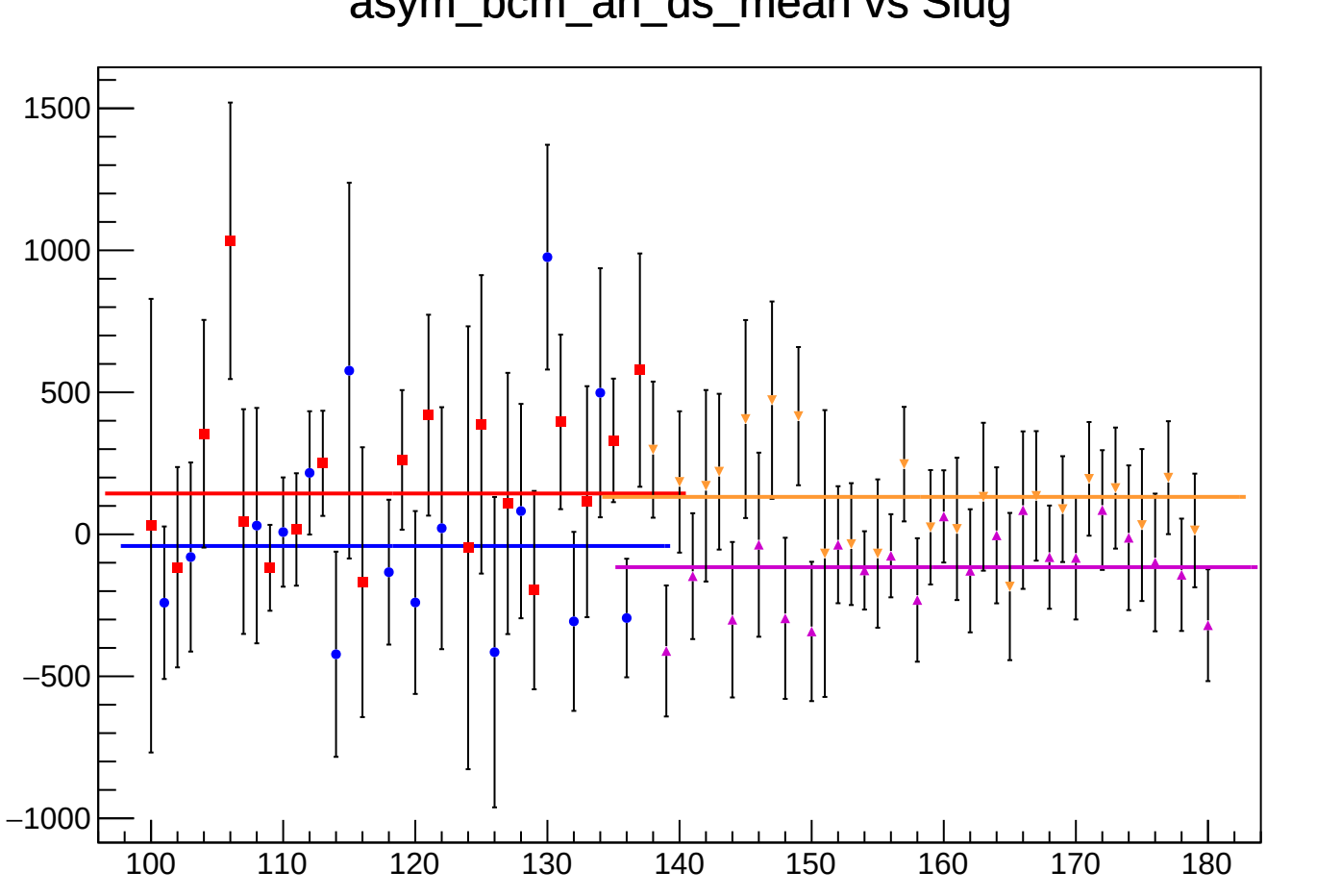
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 32426.270+/-7.492 χ^2/NDF:3925934.9/20

+ sign 23196.922+/-4.208 χ^2/NDF: 9049731.3/37

All: 21993.833+/-2.911 χ^2/NDF: 17723419.2/

- sign 20888.820+/-4.033 χ^2/NDF: 8516850.6/39



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 131.858+/-51.068 χ^2/NDF:8.0/21

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

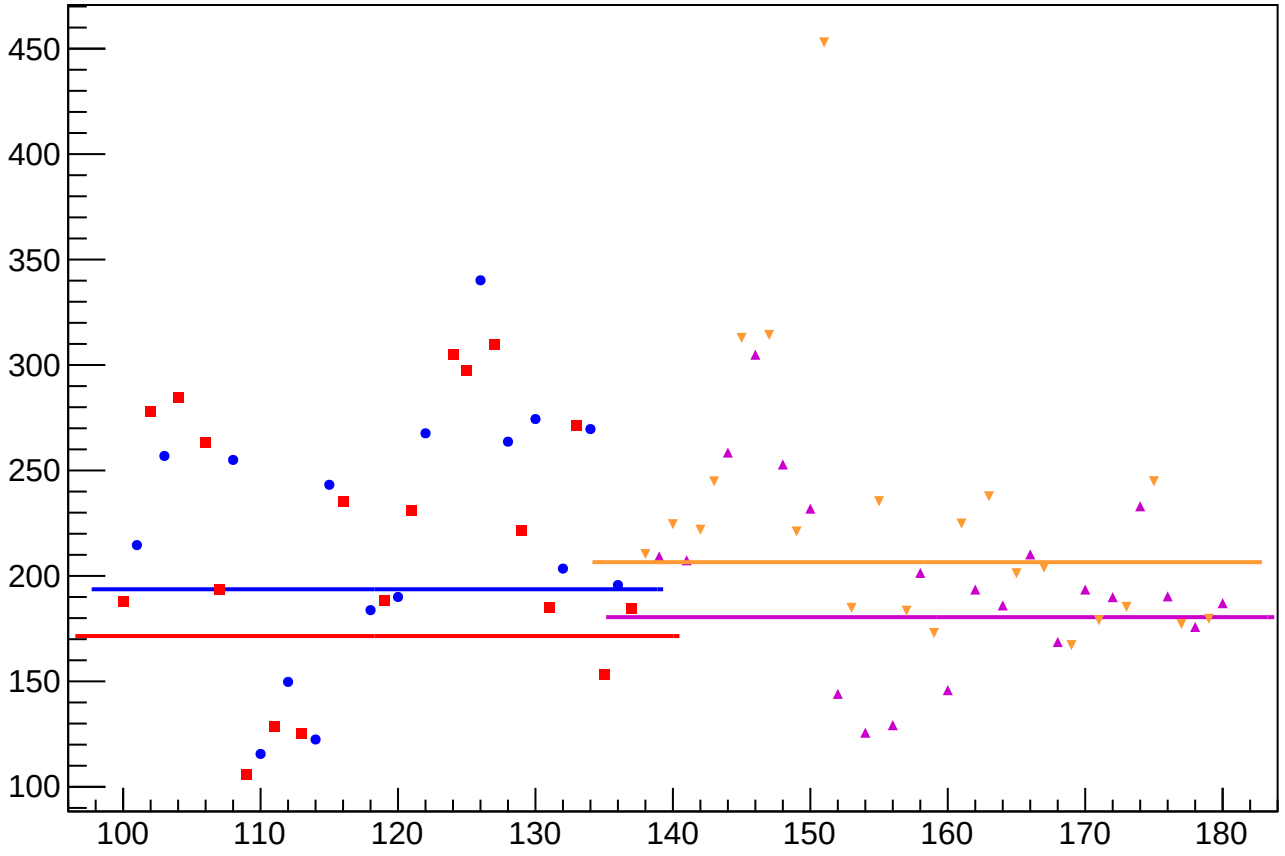
Left In: -115.487+/-45.520 χ^2/NDF:8.1/20

+ sign 78.226+/-42.415 χ^2/NDF: 27.0/37

All: 14.972+/-28.237 χ^2/NDF: 62.2/77

- sign -35.375+/-37.841 χ^2/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: 206.524+/-0.036 χ^2/NDF:1350394.2/21

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

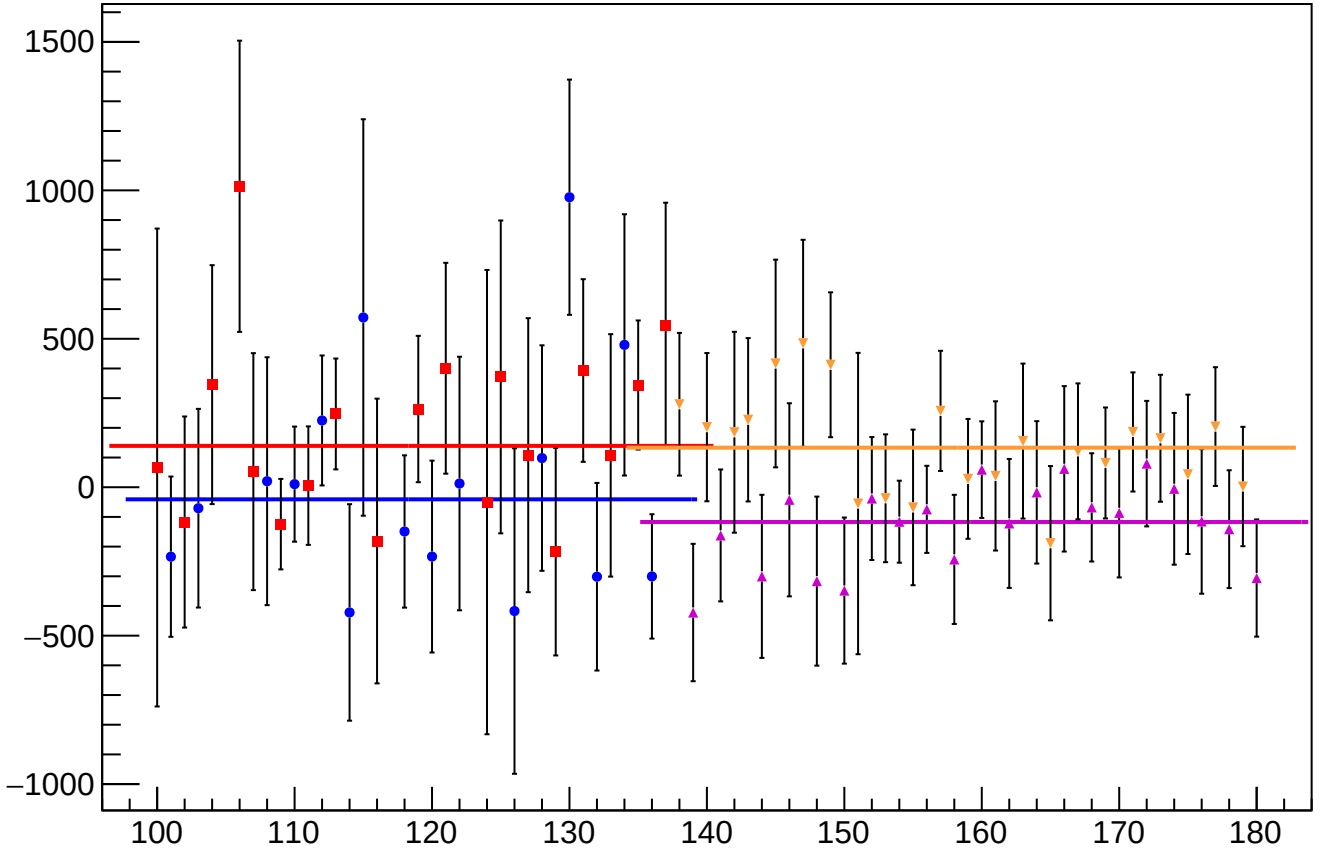
Left In: 180.453+/-0.032 χ^2/NDF:1612049.6/20

+ sign 202.537+/-0.030 χ^2/NDF: 2439465.1/37

All: 188.697+/-0.020 χ^2/NDF: 6110895.4/77

- 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: 133.203+/-51.242 χ^2/NDF:8.1/21

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

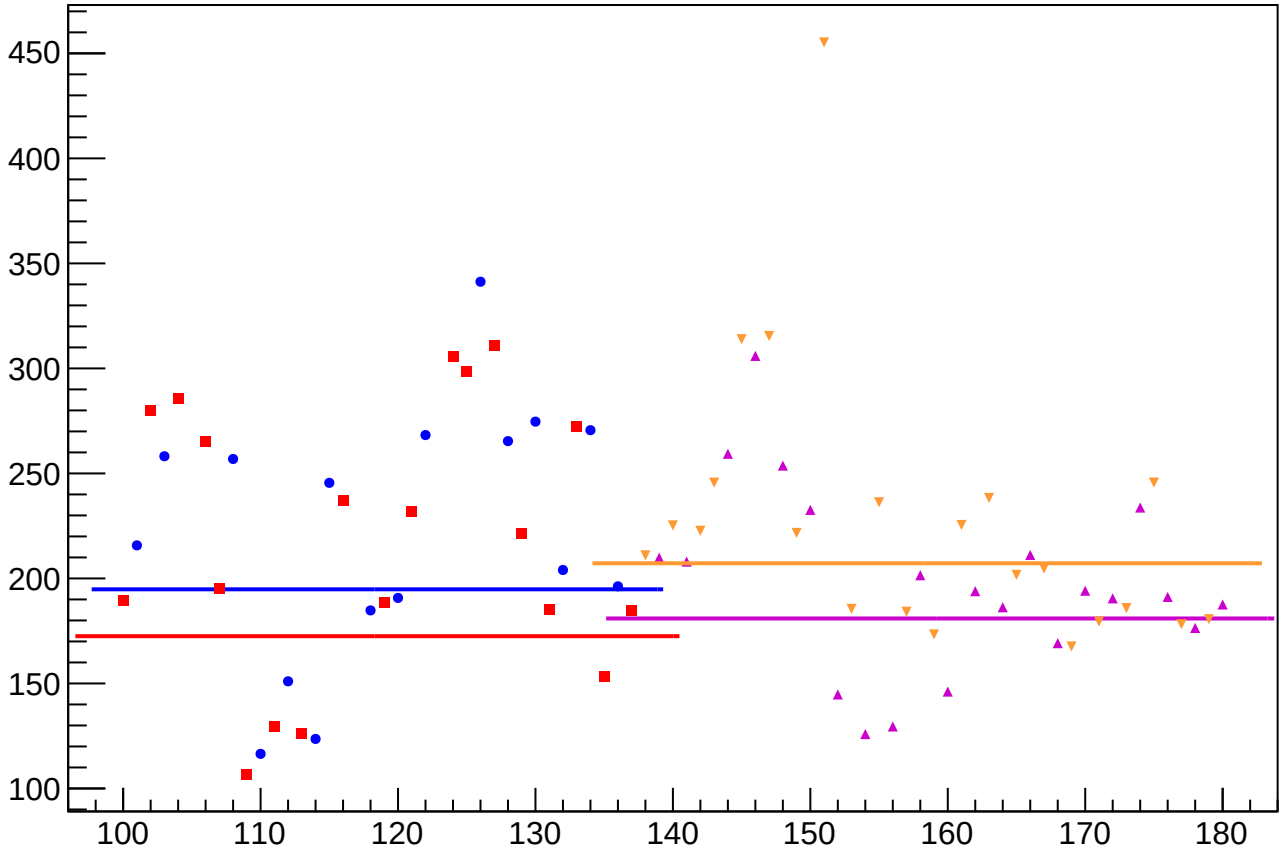
Left In: -117.063+/-45.647 χ^2/NDF:8.1/20

+ sign 79.390+/-42.587 χ^2/NDF: 27.0/37

All: 13.909+/-28.345 χ^2/NDF: 61.9/77

- 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: 207.219+/-0.036 χ^2/NDF:1350720.0/21

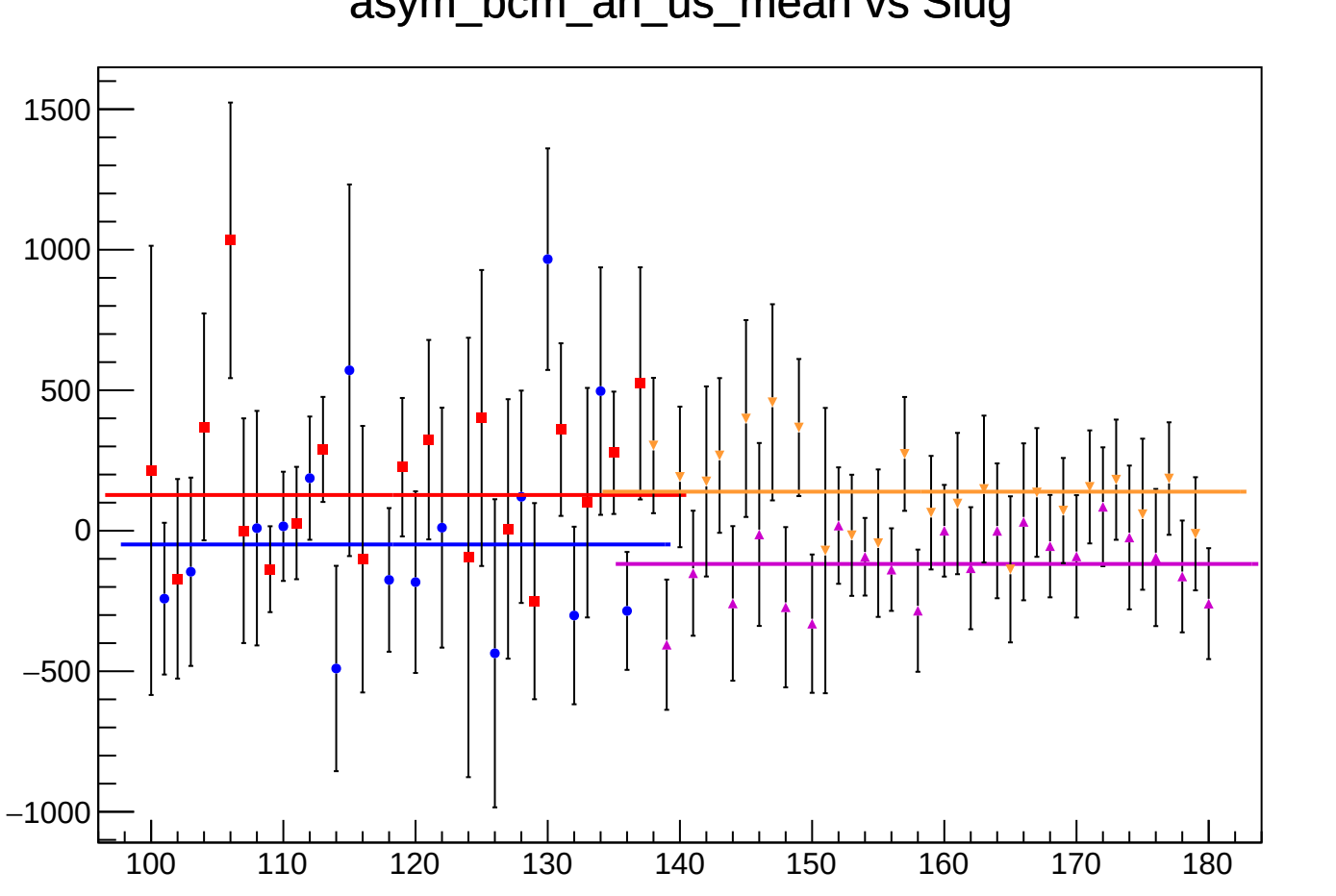
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 180.939+/-0.032 χ^2/NDF:1616025.4/20

+ sign 203.384+/-0.030 χ^2/NDF: 2426033.3/37

All: 189.436+/-0.020 χ^2/NDF: 6090256.6/77

- 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: 139.038+/-51.293 χ^2/NDF:6.8/21

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

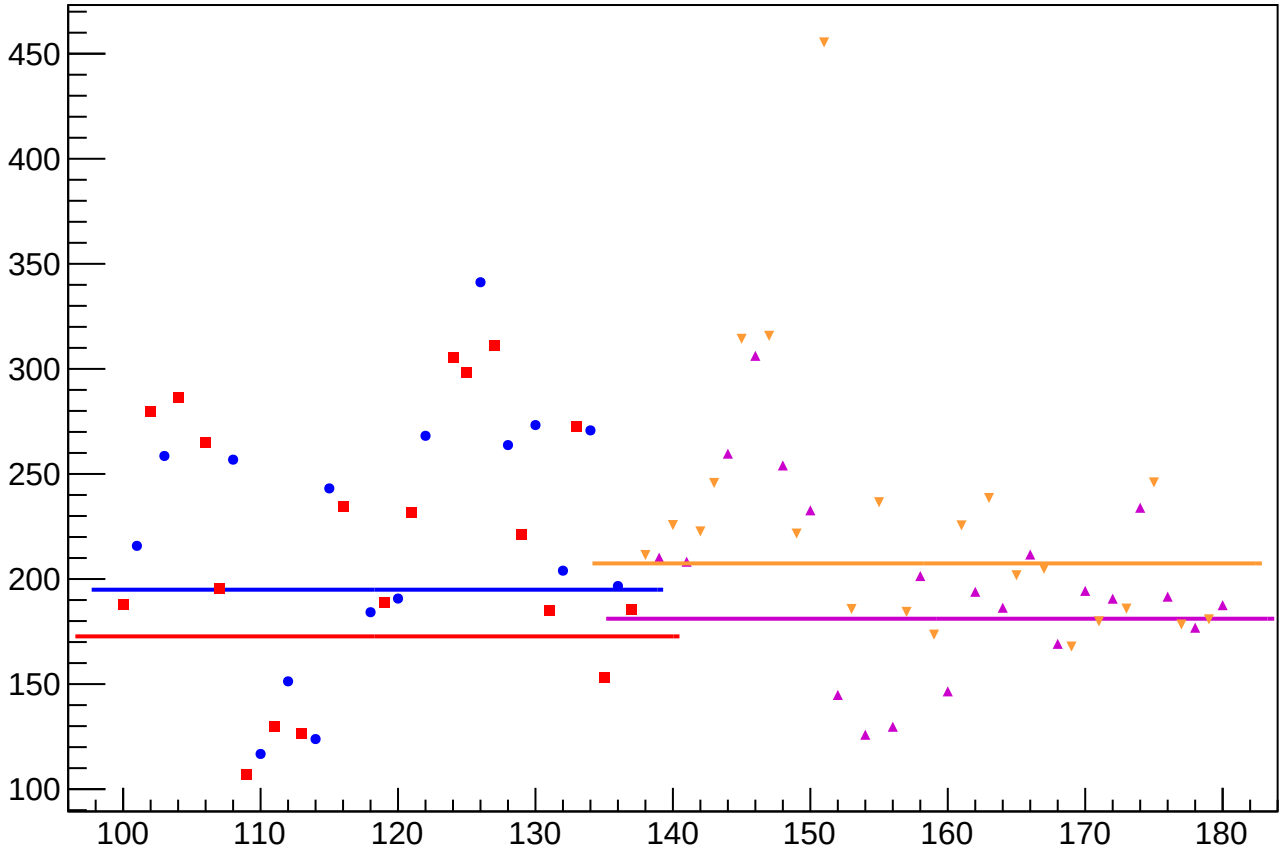
Left In: -118.188+/-45.690 χ^2/NDF:6.9/20

+ sign 80.895+/-42.619 χ^2/NDF: 26.4/37

All: 12.099+/-28.368 χ^2/NDF: 59.6/77

- 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: 207.431+/-0.036 χ^2/NDF:1349230.5/21

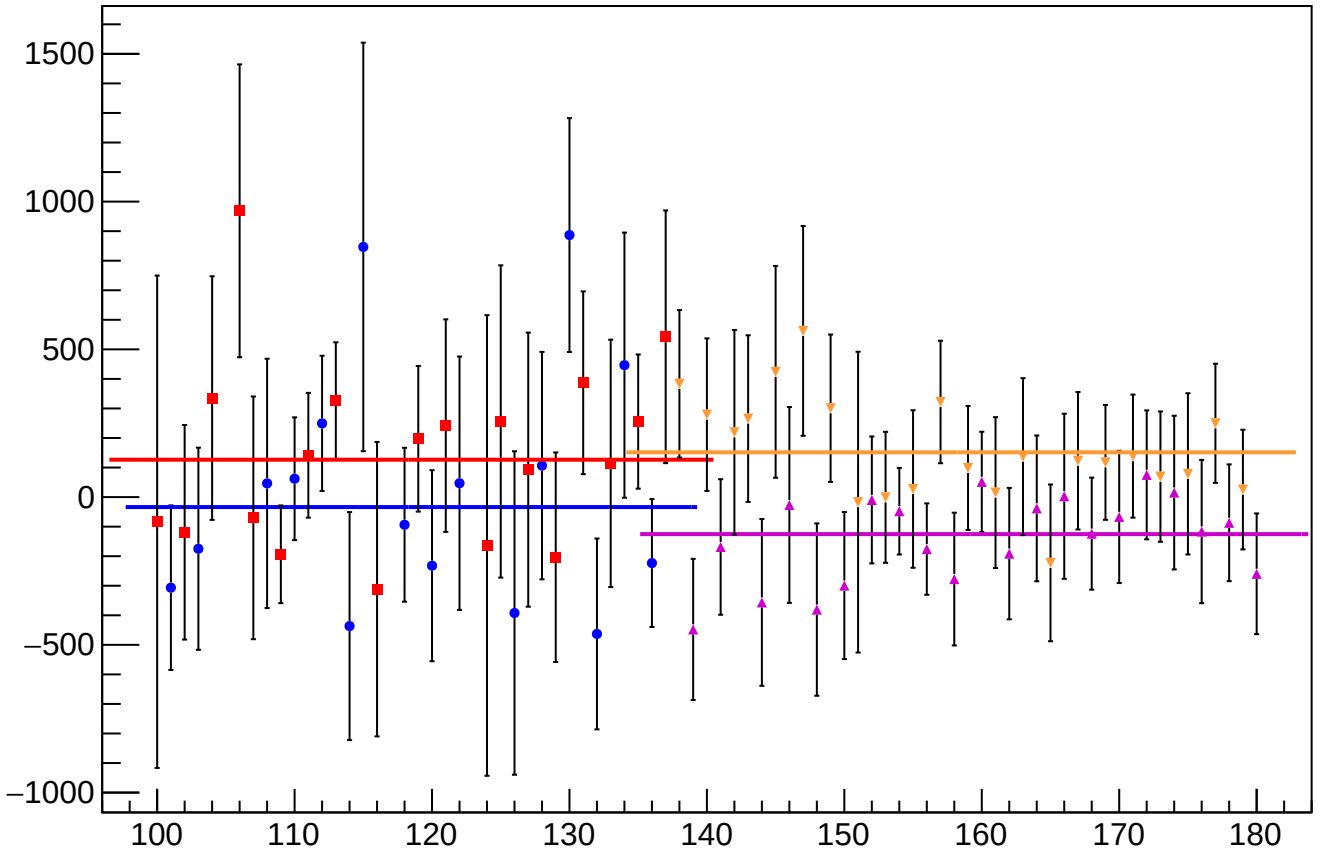
Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 181.110+/-0.032 χ^2/NDF:1615638.2/20

+ sign 203.558+/-0.030 χ^2/NDF: 2414954.8/37

All: 189.614+/-0.020 χ^2/NDF: 6067183.1/77

- sign 178.522+/-0.027 χ^2/NDF: 3267830.0/39



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 151.573+/-52.501 χ^2/NDF:8.3/21

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

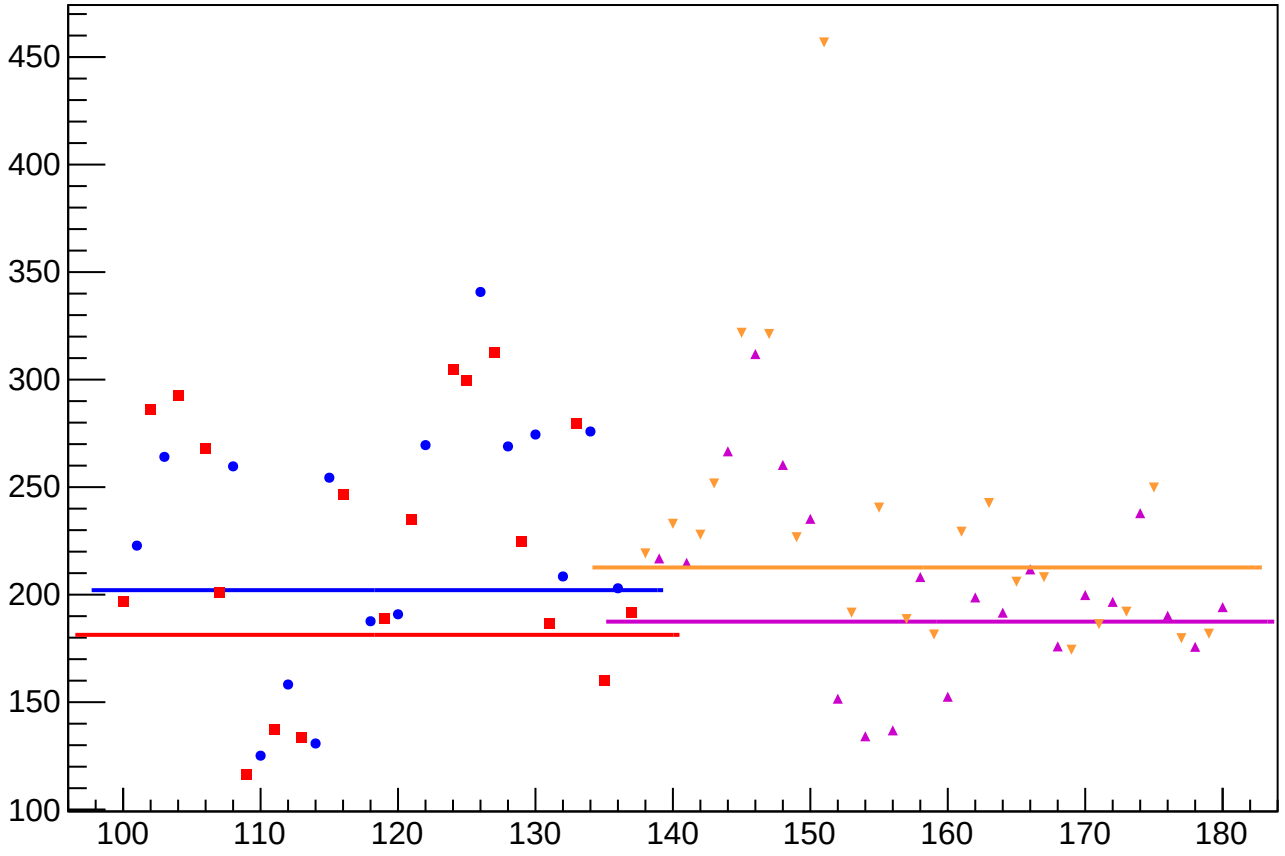
Left In: -125.288+/-47.122 χ^2/NDF:8.2/20

+ sign 94.800+/-43.725 χ^2/NDF: 27.8/37

All: 15.427+/-29.235 χ^2/NDF: 63.4/77

- 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: 212.646+/-0.037 χ^2/NDF:1305244.7/21

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

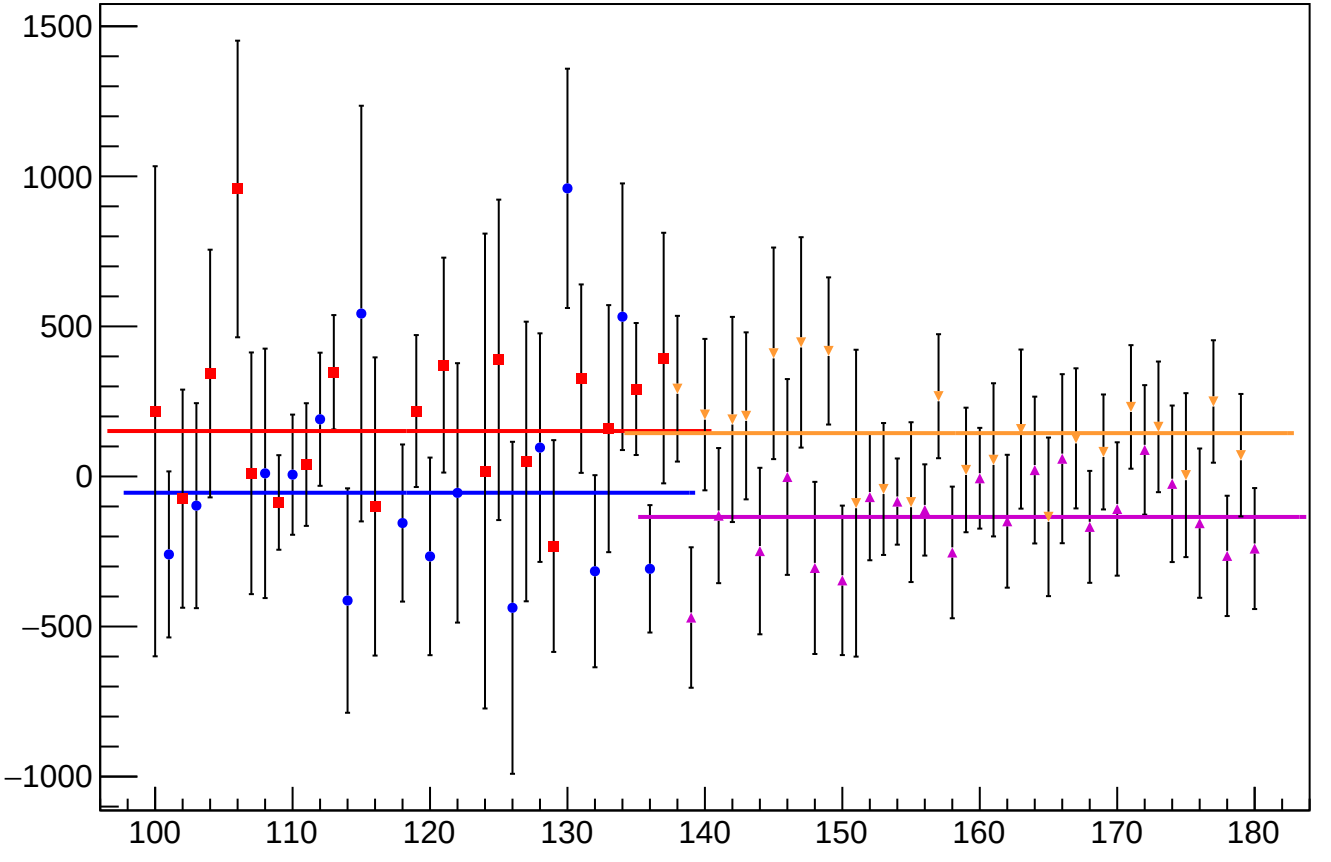
Left In: 187.451+/-0.033 χ^2/NDF:1455335.2/20

+ sign 209.412+/-0.031 χ^2/NDF: 2240273.4/37

All: 196.236+/-0.021 χ^2/NDF: 5475317.5/77

- 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: 144.391+/-52.134 χ^2/NDF:7.6/21

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

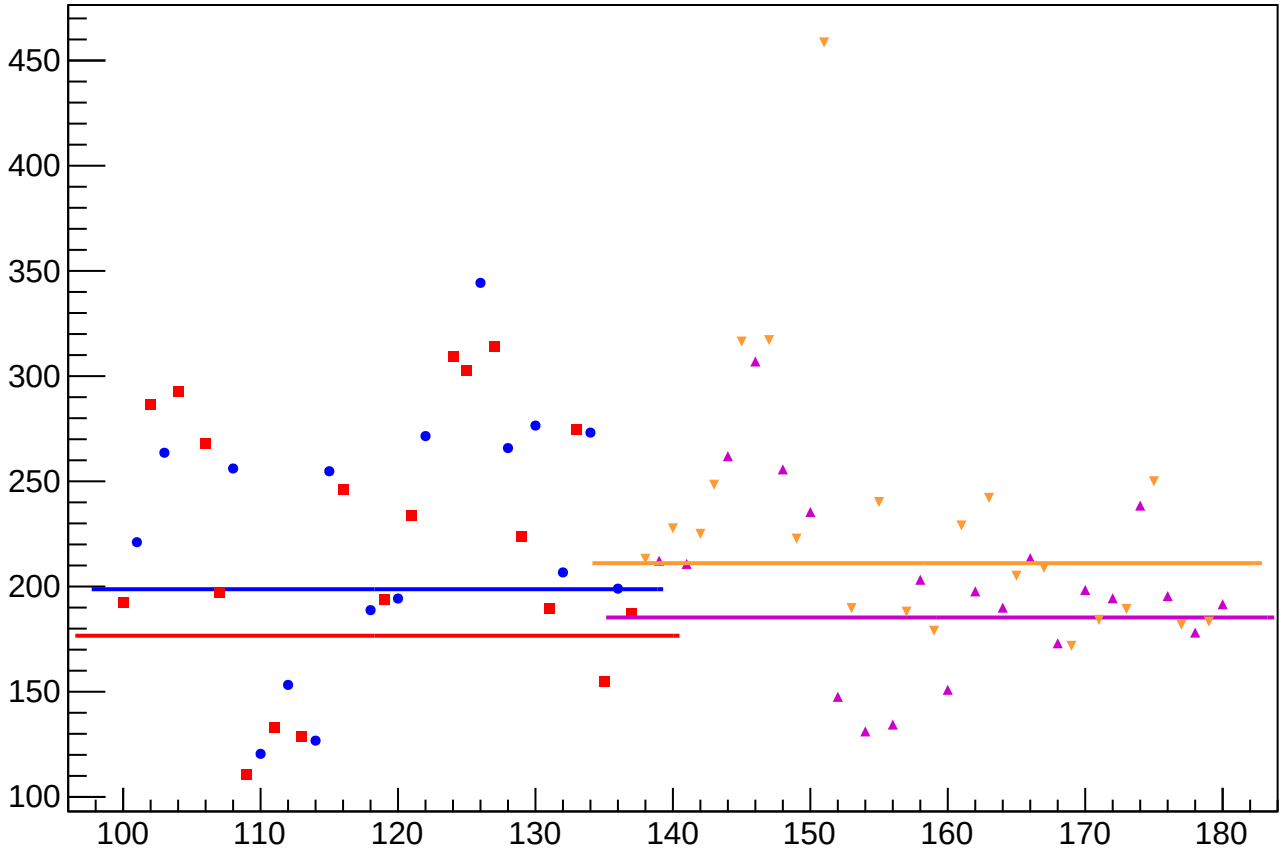
Left In: -134.893+/-46.632 χ^2/NDF:7.5/20

+ sign 82.993+/-43.334 χ^2/NDF: 27.2/37

All: 10.977+/-28.903 χ^2/NDF: 61.5/77

- 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: 211.101+/-0.037 χ^2/NDF:1293719.6/21

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

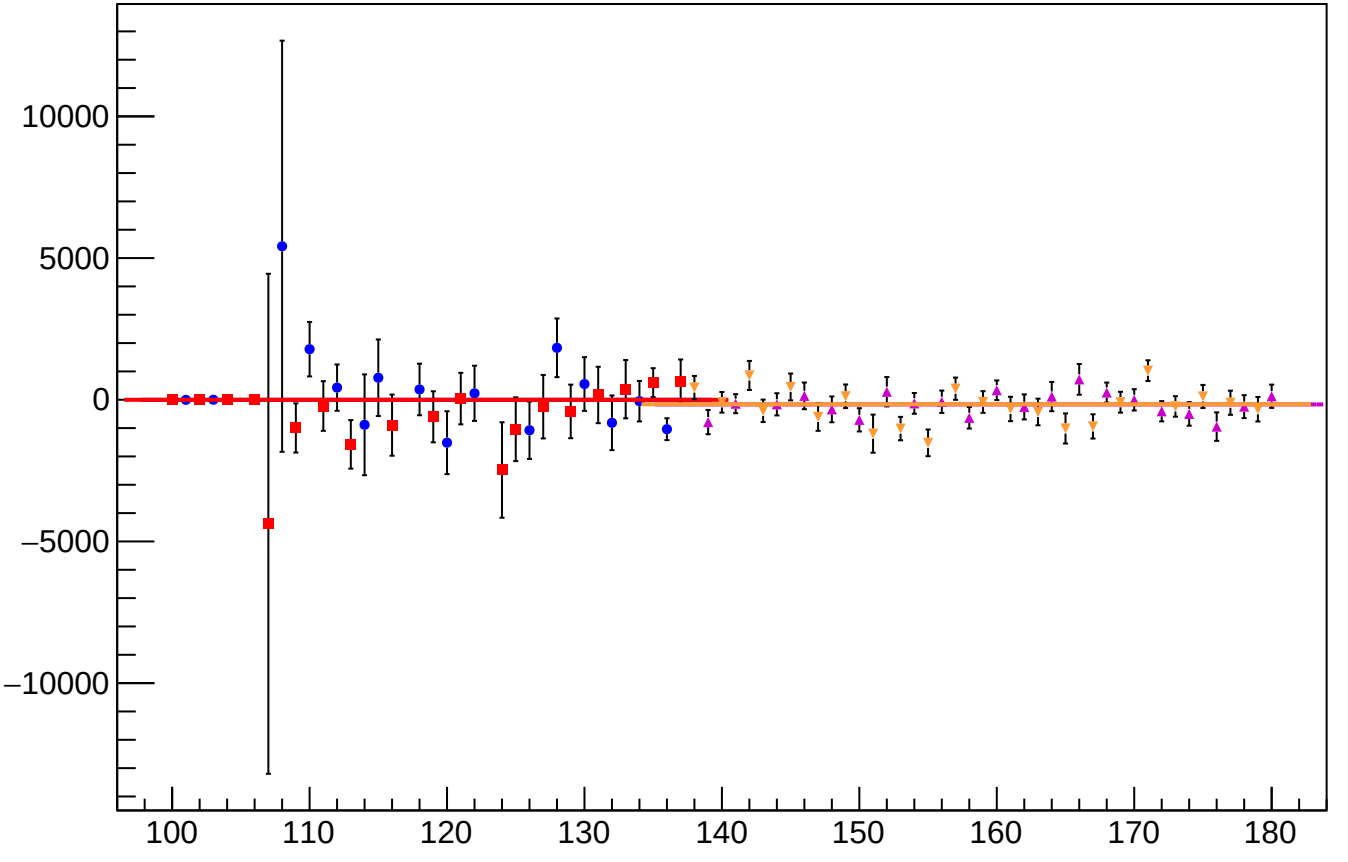
Left In: 185.283+/-0.033 χ^2/NDF:1491744.3/20

+ sign 207.274+/-0.031 χ^2/NDF: 2322661.3/37

All: 193.585+/-0.020 χ^2/NDF: 5790856.3/77

- 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: -159.481+/-90.437 χ^2/NDF:44.0/21

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

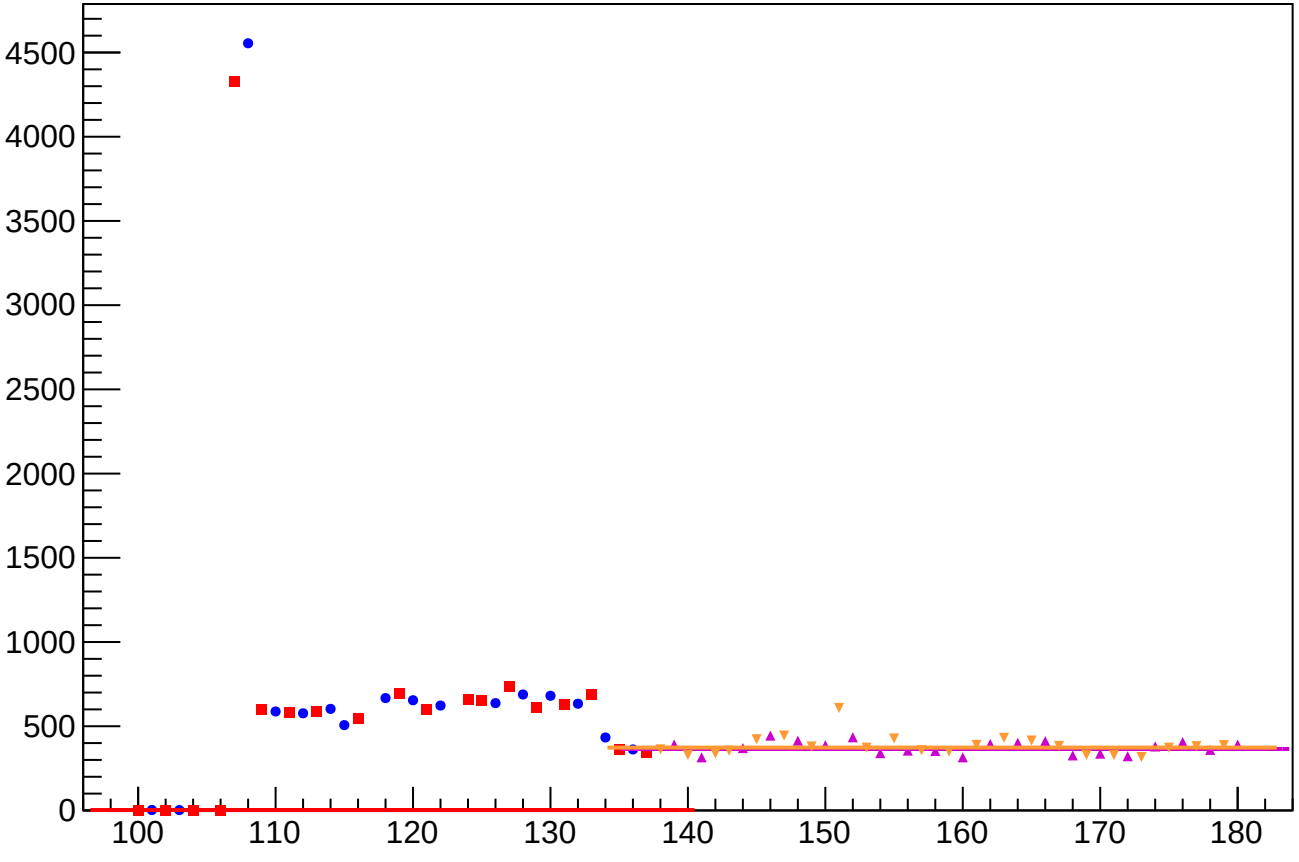
Left In: -164.748+/-89.071 χ^2/NDF:17.6/20

+ sign -1.330+/-2.170 χ^2/NDF: 67.0/37

All: -1.400+/-1.479 χ^2/NDF: 104.7/77

- 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: 373.261+/-0.064 χ^2/NDF:545649.0/21

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

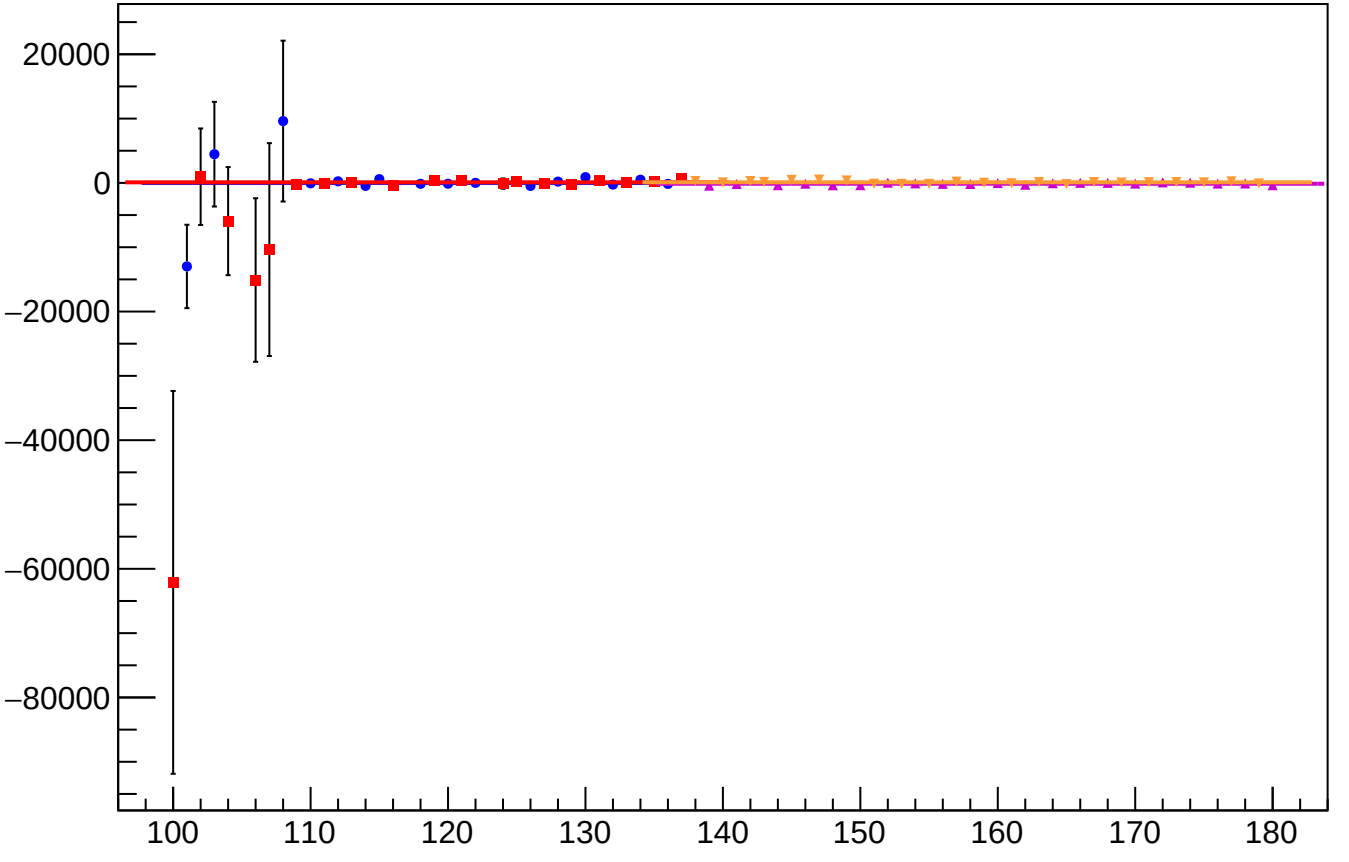
Left In: 364.837+/-0.063 χ^2/NDF:349028.2/20

+ sign 2.690+/-0.002 χ^2/NDF: 45770738.2/37

All: 2.668+/-0.001 χ^2/NDF: 90751766.2/77

- 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: 96.443+/-53.261 χ^2/NDF:9.9/21

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

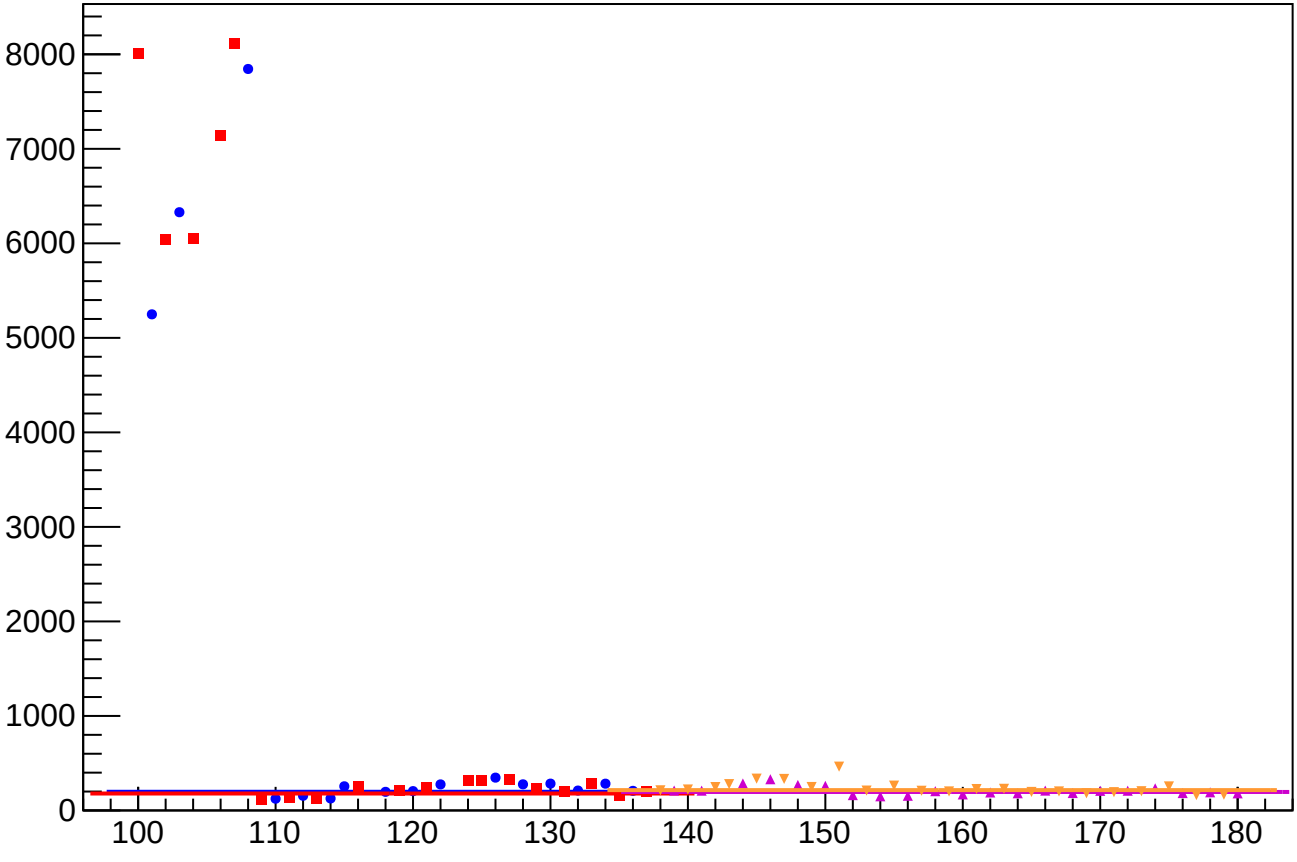
Left In: -129.268+/-48.932 χ^2/NDF:8.7/20

+ sign 70.664+/-45.541 χ^2/NDF: 27.6/37

All: -6.371+/-30.861 χ^2/NDF: 61.7/77

- 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: 215.180+/-0.038 χ^2/NDF:1524749.9/21

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

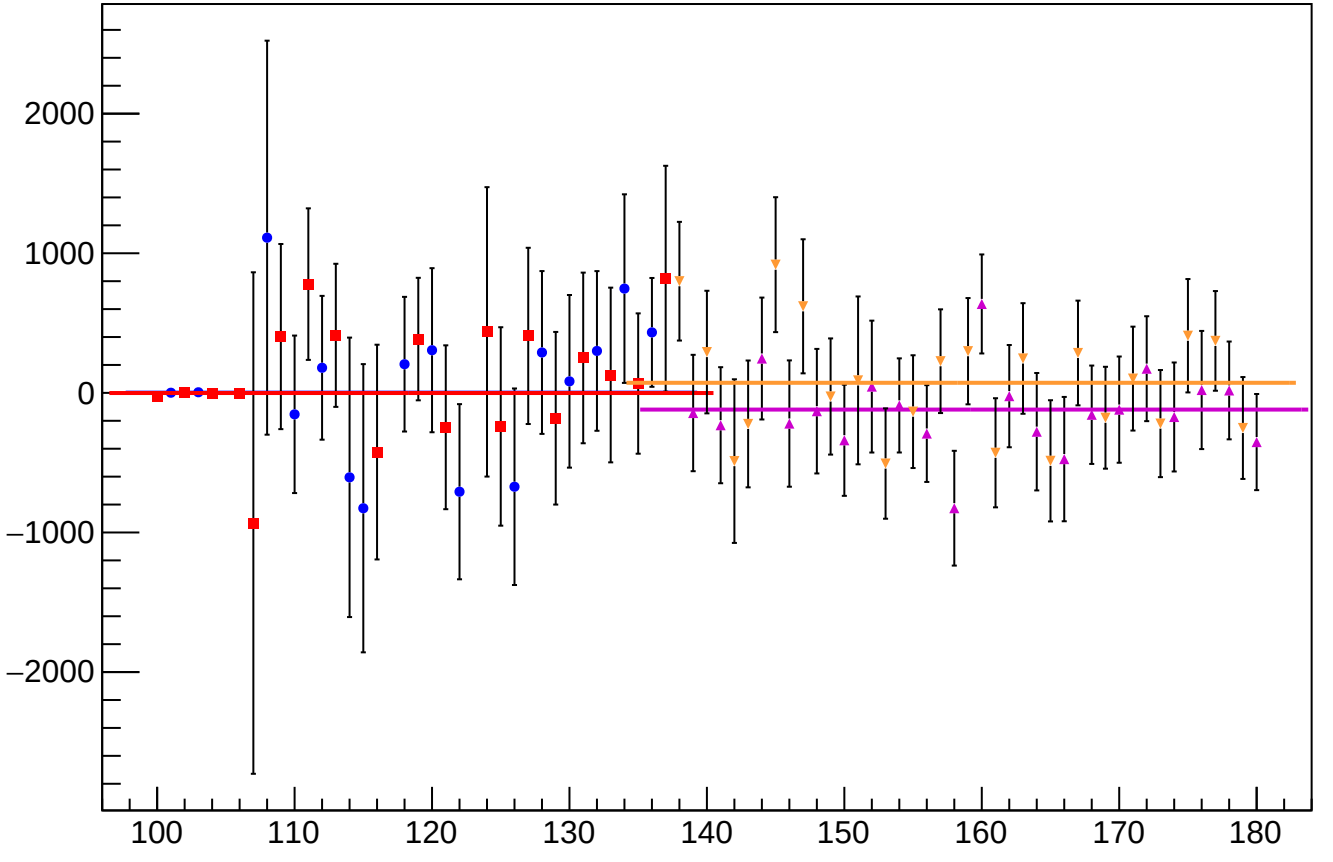
Left In: 195.688+/-0.035 χ^2/NDF:1156593.4/20

+ sign 210.458+/-0.032 χ^2/NDF: 5540401.5/37

All: 200.120+/-0.022 χ^2/NDF: 11365698.6/77

- 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: 72.186+/-87.502 χ^2/NDF:18.9/21

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

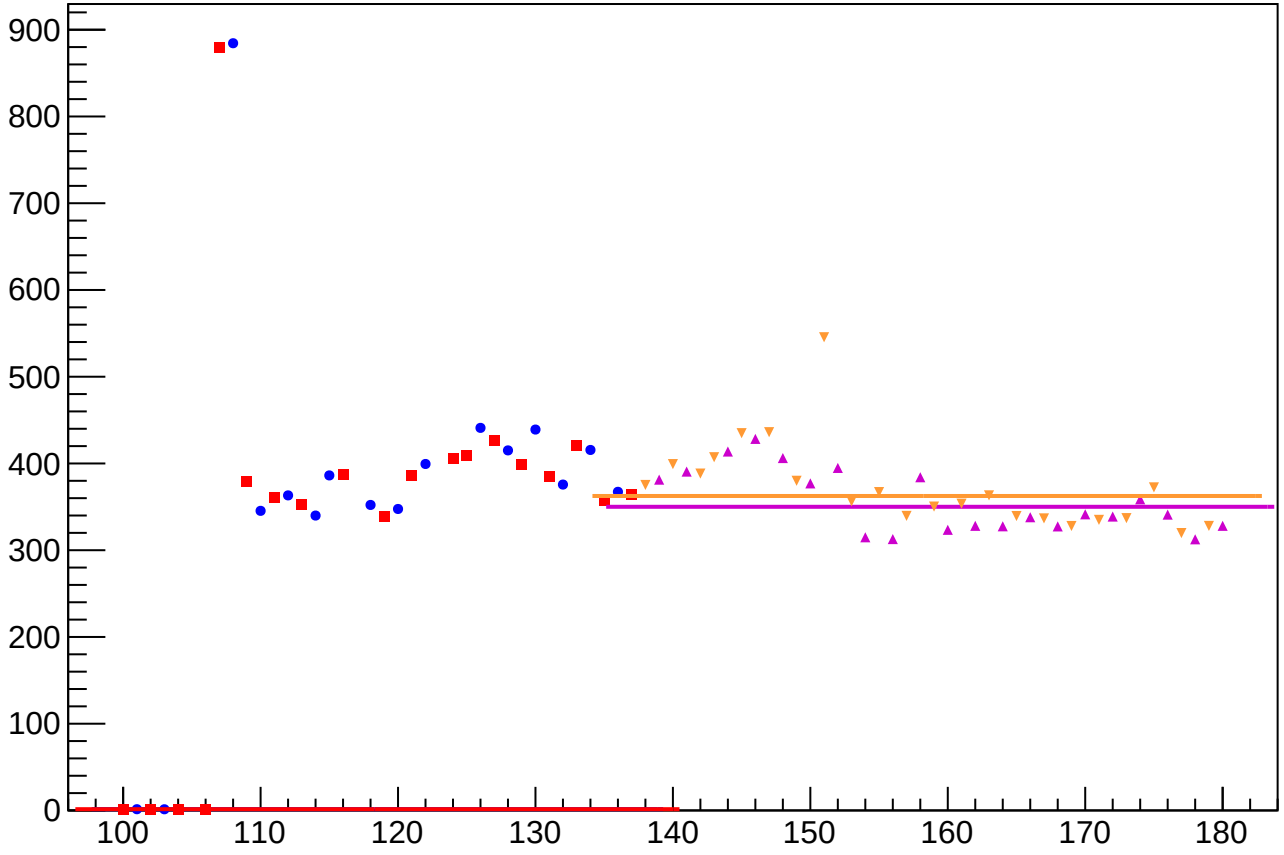
Left In: -119.666+/-85.308 χ^2/NDF:11.2/20

+ sign 1.481+/-1.660 χ^2/NDF: 27.5/37

All: 0.066+/-1.124 χ^2/NDF: 51.1/77

- 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: 362.519+/-0.062 χ^2/NDF:431807.9/21

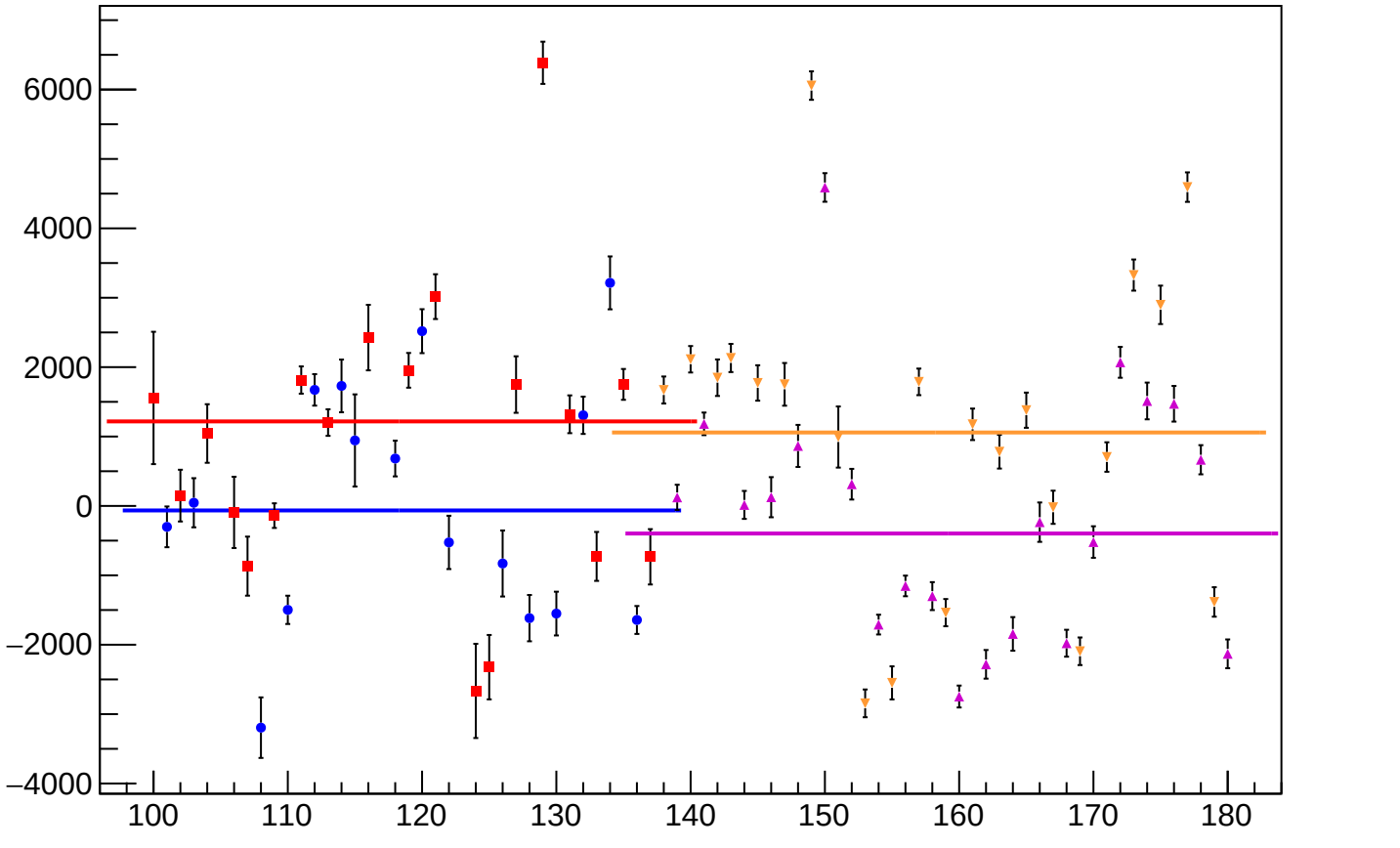
Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 350.059+/-0.060 χ^2/NDF:319758.3/20

+ sign 1.600+/-0.001 χ^2/NDF: 46205379.9/37

All: 1.589+/-0.001 χ^2/NDF: 91180135.3/77

- sign 1.579+/-0.001 χ^2/NDF: 44974579.0/39



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1058.312+/-47.811 χ^2/NDF:2317.1/21

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

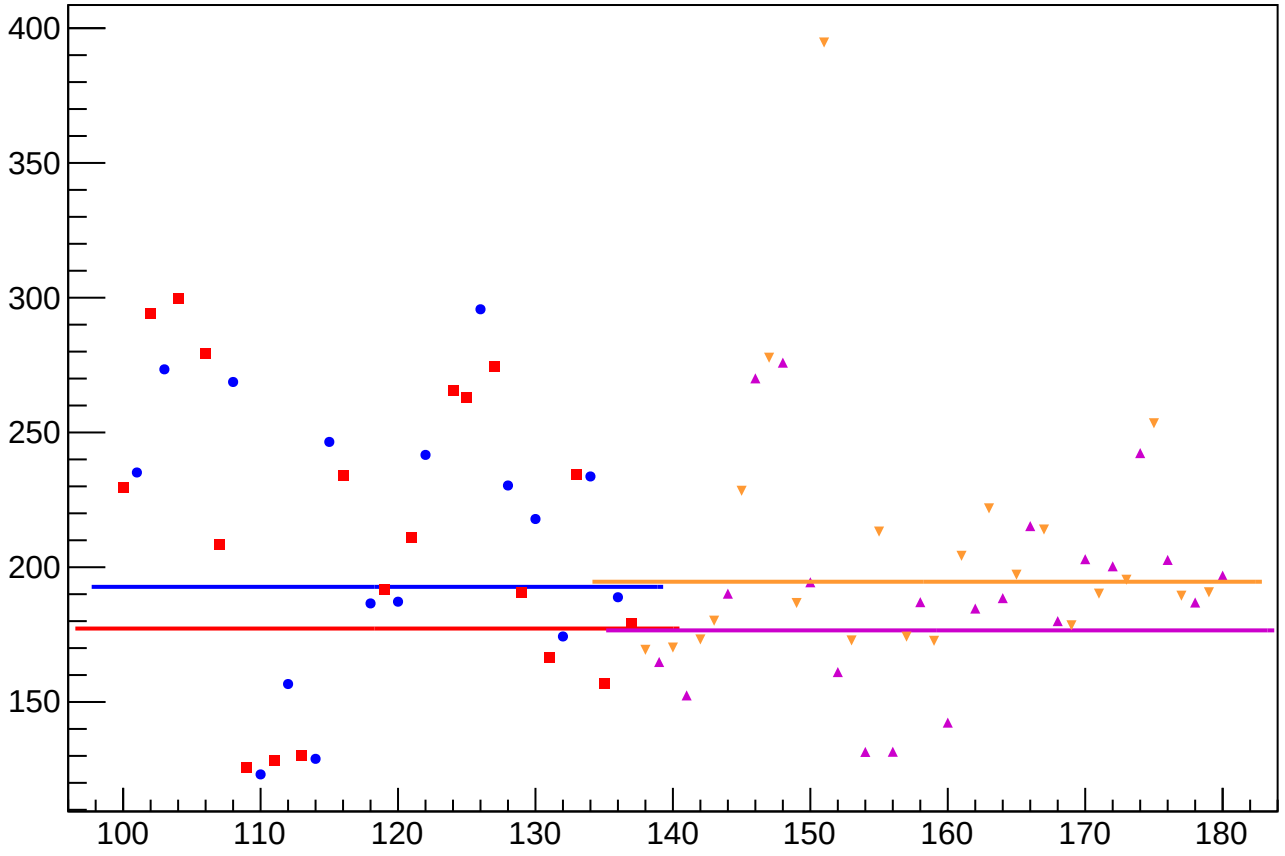
Left In: -397.524+/-44.142 χ^2/NDF:1585.7/20

+ sign 733.082+/-40.299 χ^2/NDF: 2946.4/37

All: 375.699+/-27.330 χ^2/NDF: 5661.0/77

- sign 71.382+/-37.187 χ^2/NDF: 2569.0/39

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.619+/-0.034 χ^2/NDF:918241.3/21

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

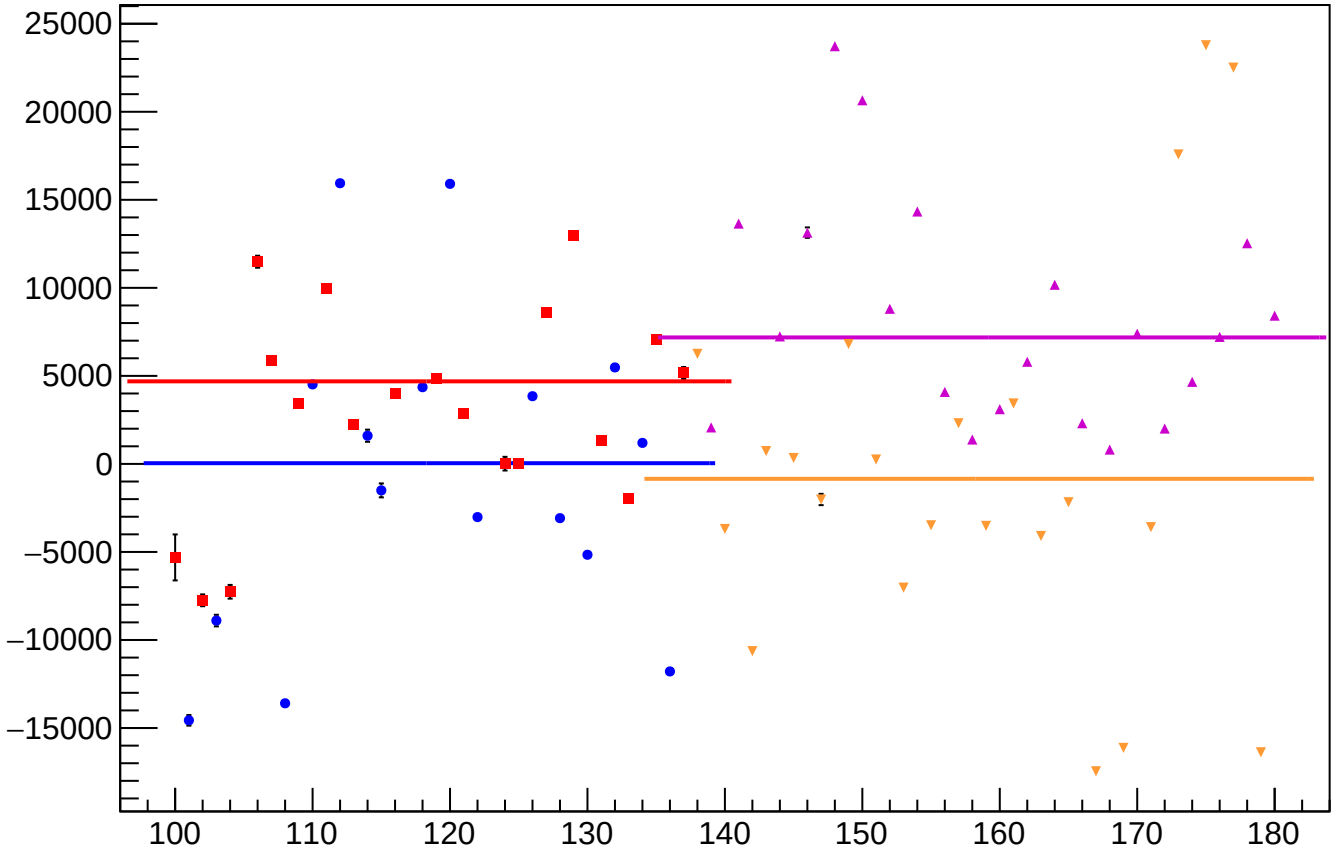
Left In: 176.568+/-0.031 χ^2/NDF:1257335.3/20

+ sign 194.069+/-0.028 χ^2/NDF: 1678302.2/37

All: 184.724+/-0.019 χ^2/NDF: 4361087.0/77

- 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: -846.860+/-42.227 χ^2/NDF:57576.4/21

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

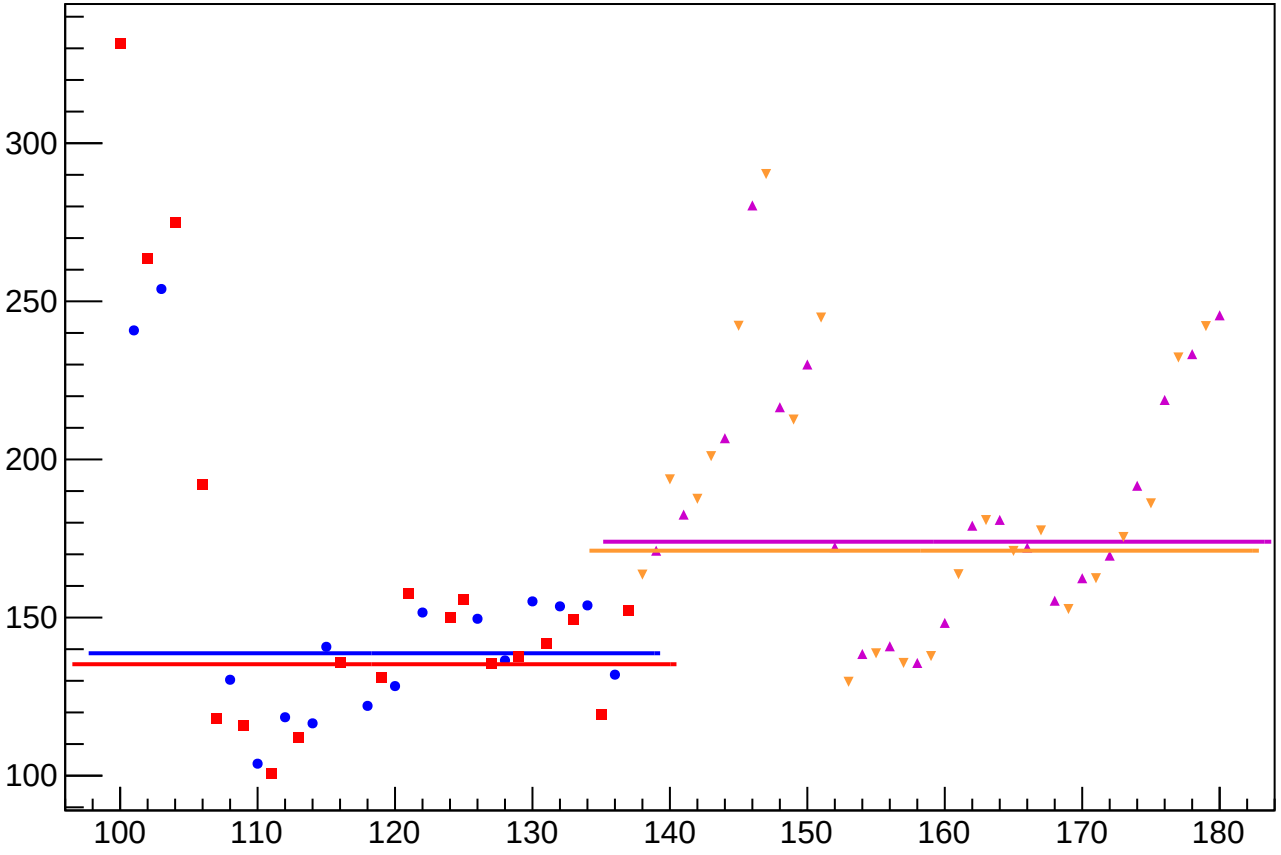
Left In: 7184.077+/-43.337 χ^2/NDF:18197.5/20

+ sign -511.519+/-33.310 χ^2/NDF: 88529.7/37

All: 2825.632+/-23.556 χ^2/NDF: 135954.6/77

- 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: 171.151+/-0.030 χ^2/NDF:1442199.1/21

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

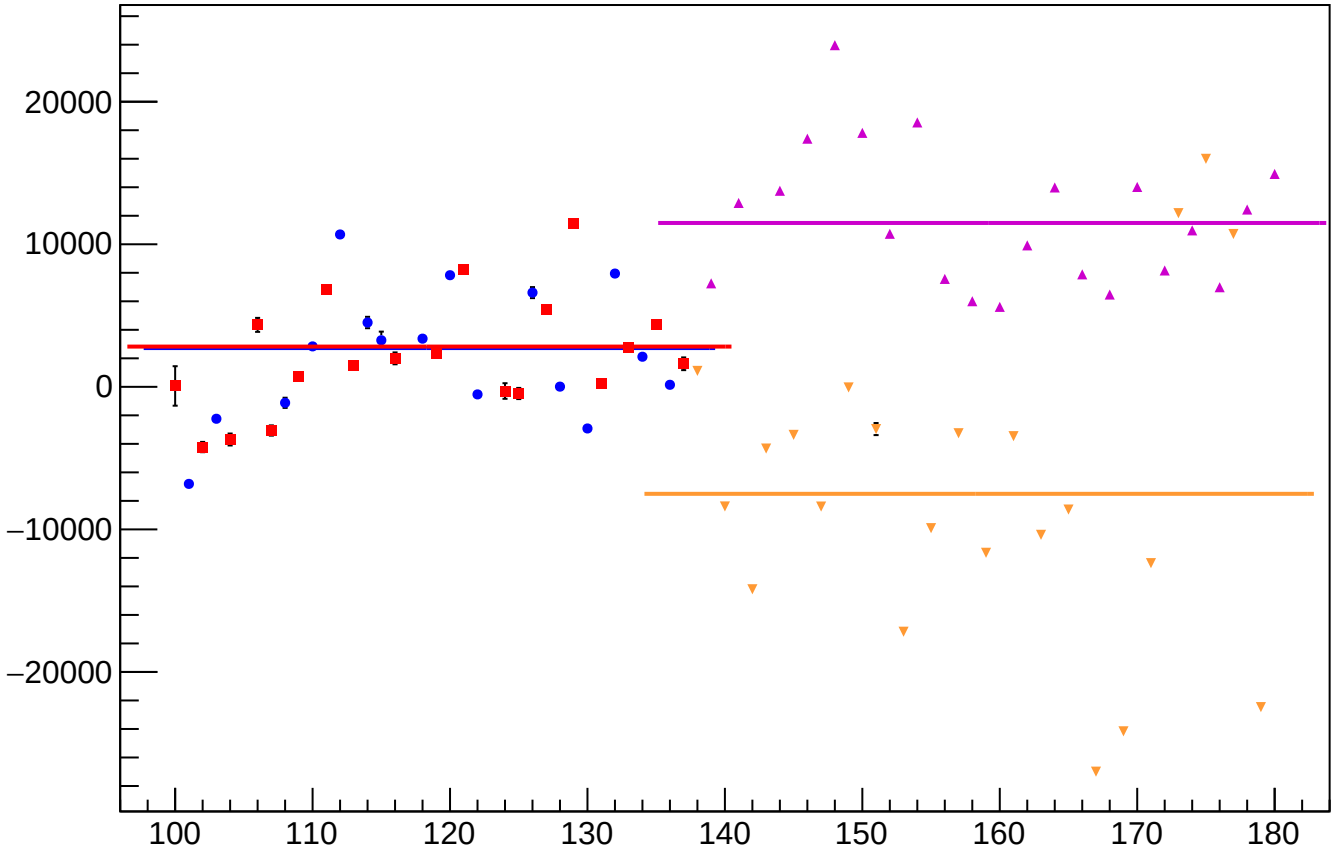
Left In: 173.984+/-0.031 χ^2/NDF:1223691.1/20

\+ sign 158.898+/-0.024 χ^2/NDF: 2545812.9/37

All: 158.519+/-0.017 χ^2/NDF: 5313658.6/77

\- 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: -7505.069+/-48.470 χ^2/NDF:50251.5/21

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

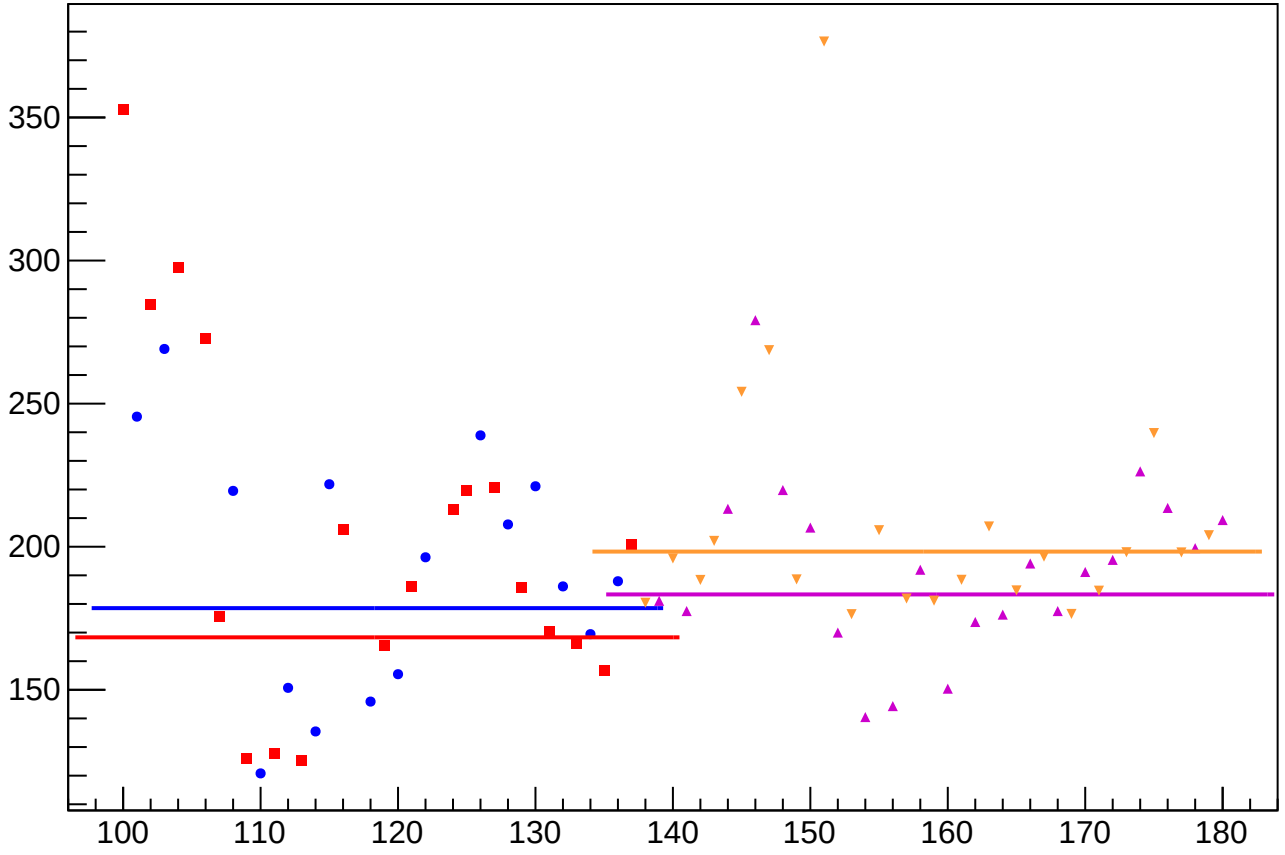
Left In: 11494.868+/-45.463 χ^2/NDF:11122.7/20

+ sign -4142.719+/-39.709 χ^2/NDF: 69014.4/37

All: 2659.446+/-27.158 χ^2/NDF: 150319.5/77

- 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: 198.300+/-0.034 χ^2/NDF:718205.4/21

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

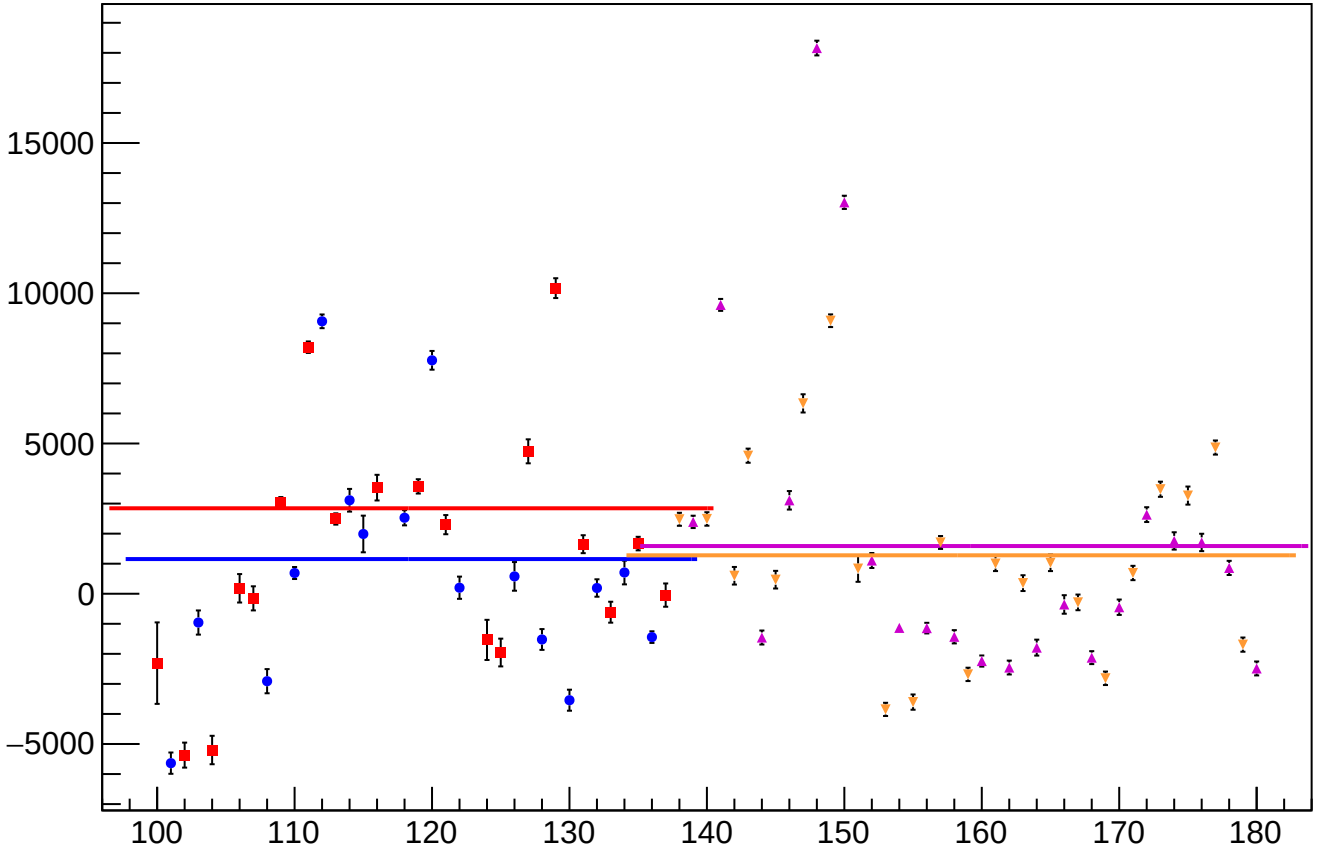
Left In: 183.332+/-0.032 χ^2/NDF:822256.1/20

+ sign 191.803+/-0.028 χ^2/NDF: 1502065.4/37

All: 184.664+/-0.019 χ^2/NDF: 3496969.5/77

- 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: 1279.102+/-52.896 χ^2/NDF:4053.4/21

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

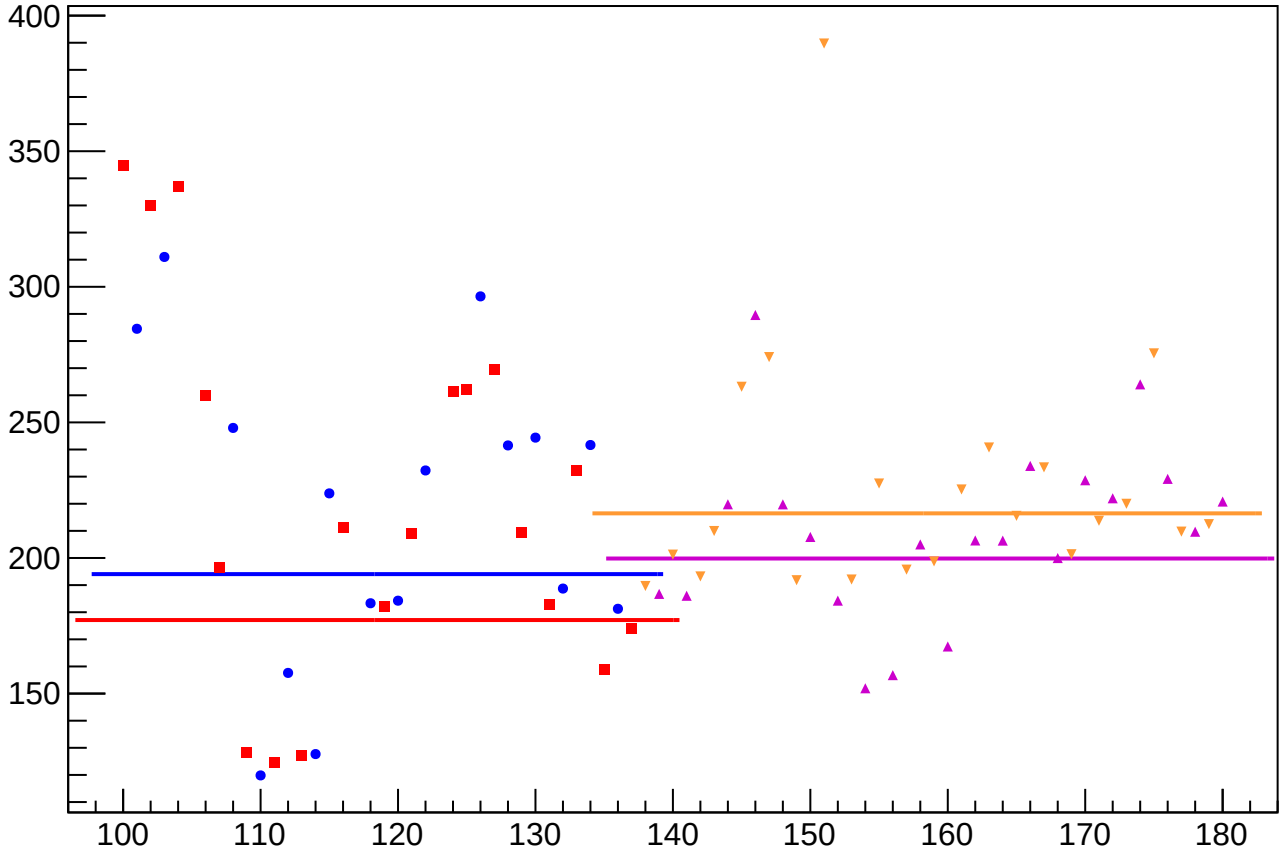
Left In: 1587.403+/-49.552 χ^2/NDF:11432.6/20

+ sign 1238.188+/-43.407 χ^2/NDF: 6710.6/37

All: 1654.973+/-29.524 χ^2/NDF: 20986.1/77

- 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: 216.457+/-0.037 χ^2/NDF:691287.4/21

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

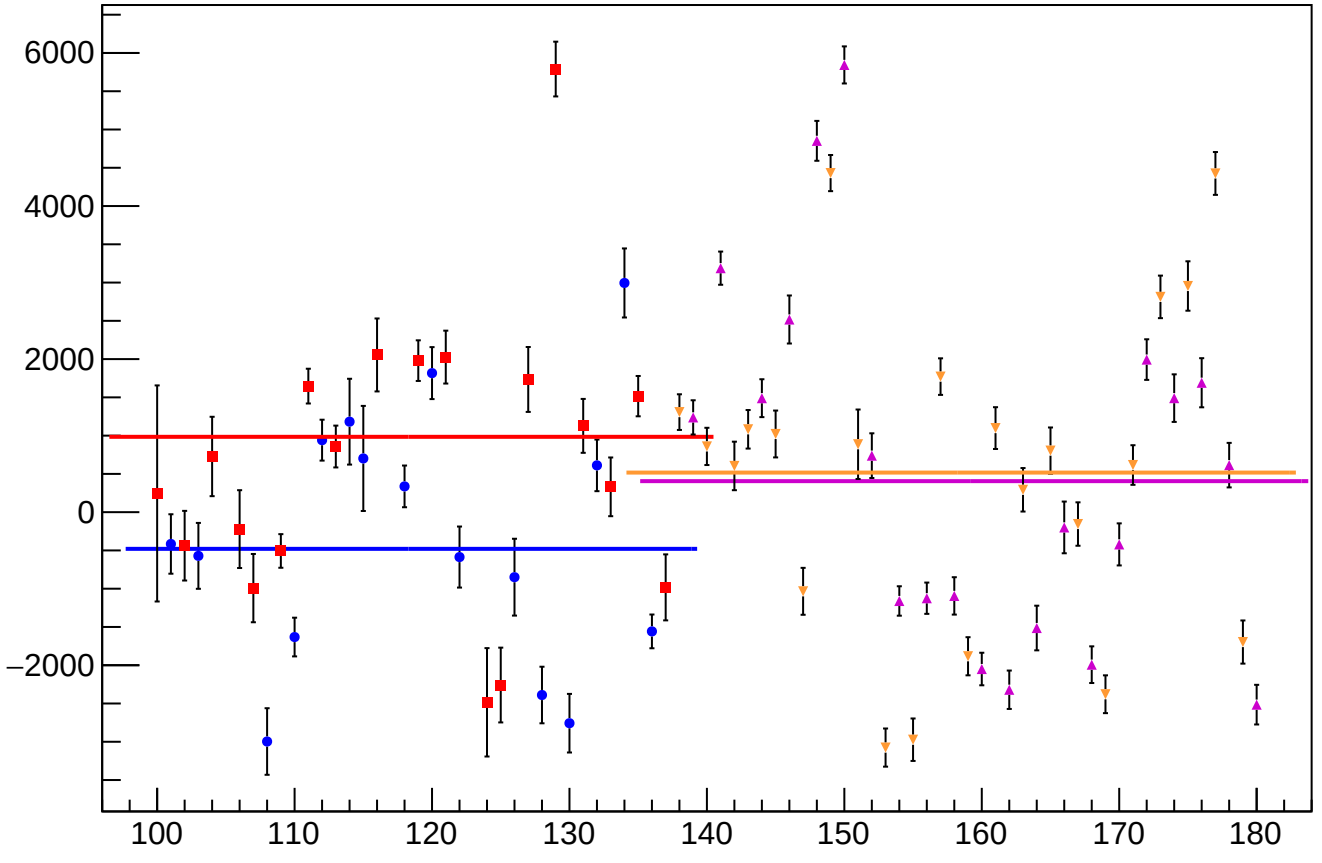
Left In: 199.804+/-0.035 χ^2/NDF:784823.8/20

+ sign 209.140+/-0.031 χ^2/NDF: 1774249.5/37

All: 199.986+/-0.021 χ^2/NDF: 4226249.6/77

- 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: 517.351+/-58.102 χ^2/NDF:1340.0/21

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

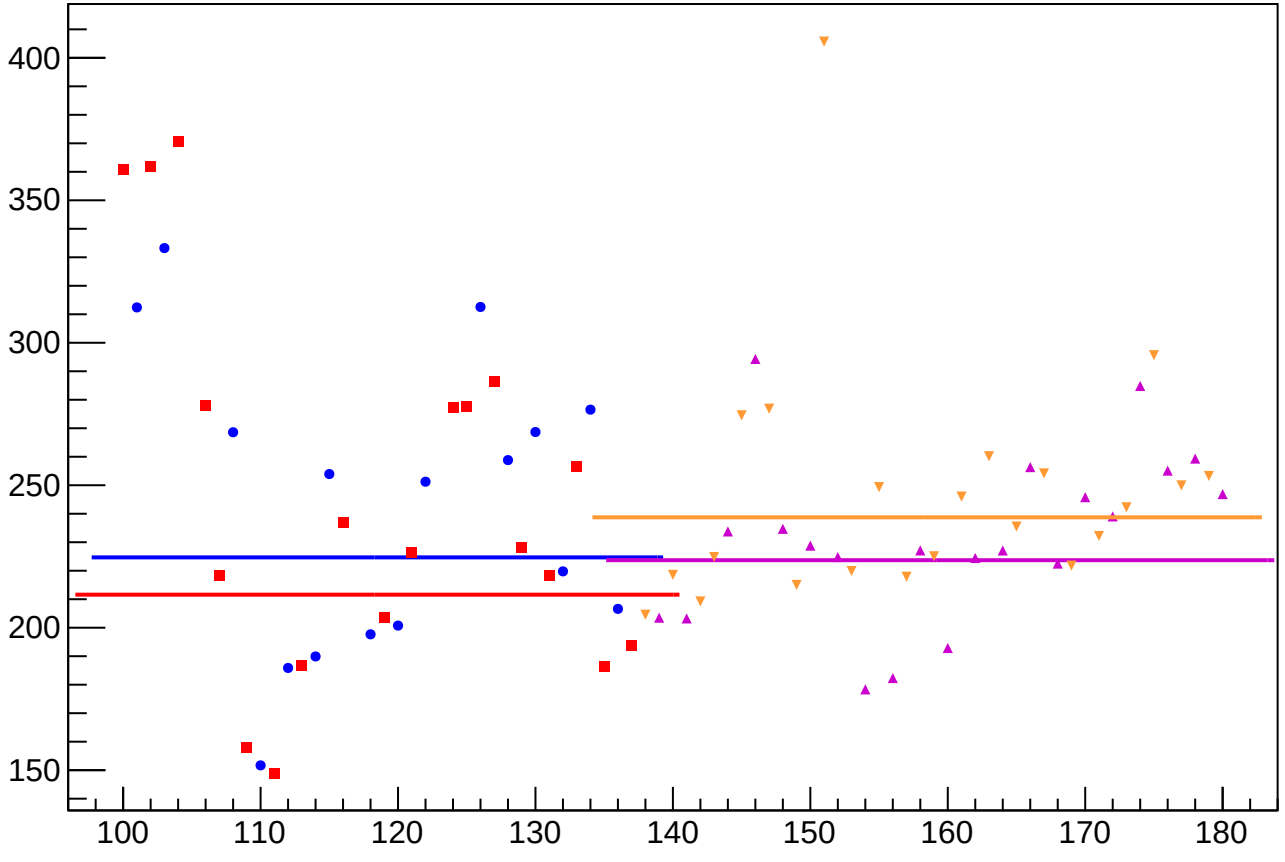
Left In: 405.305+/-55.120 χ^2/NDF:1798.1/20

+ sign 208.400+/-48.263 χ^2/NDF: 1736.6/37

All: 409.547+/-33.130 χ^2/NDF: 4000.7/77

- 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: 238.741+/-0.041 χ^2/NDF:565629.4/21

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

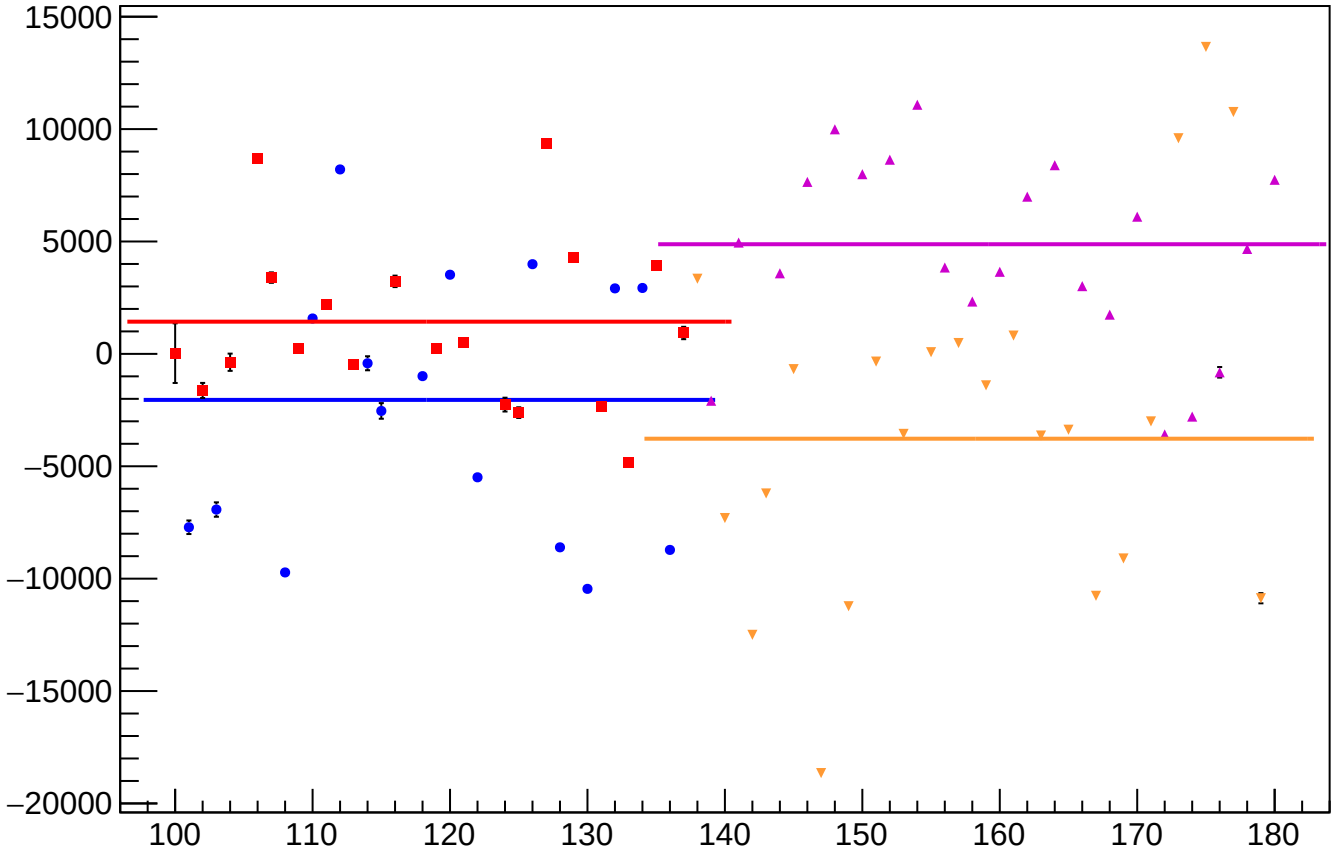
Left In: 223.694+/-0.039 χ^2/NDF:560061.0/20

+ sign 234.383+/-0.034 χ^2/NDF: 1255121.0/37

All: 226.704+/-0.023 χ^2/NDF: 2874364.7/77

- 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: -3773.721+/-31.583 χ^2/NDF:52608.2/21

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

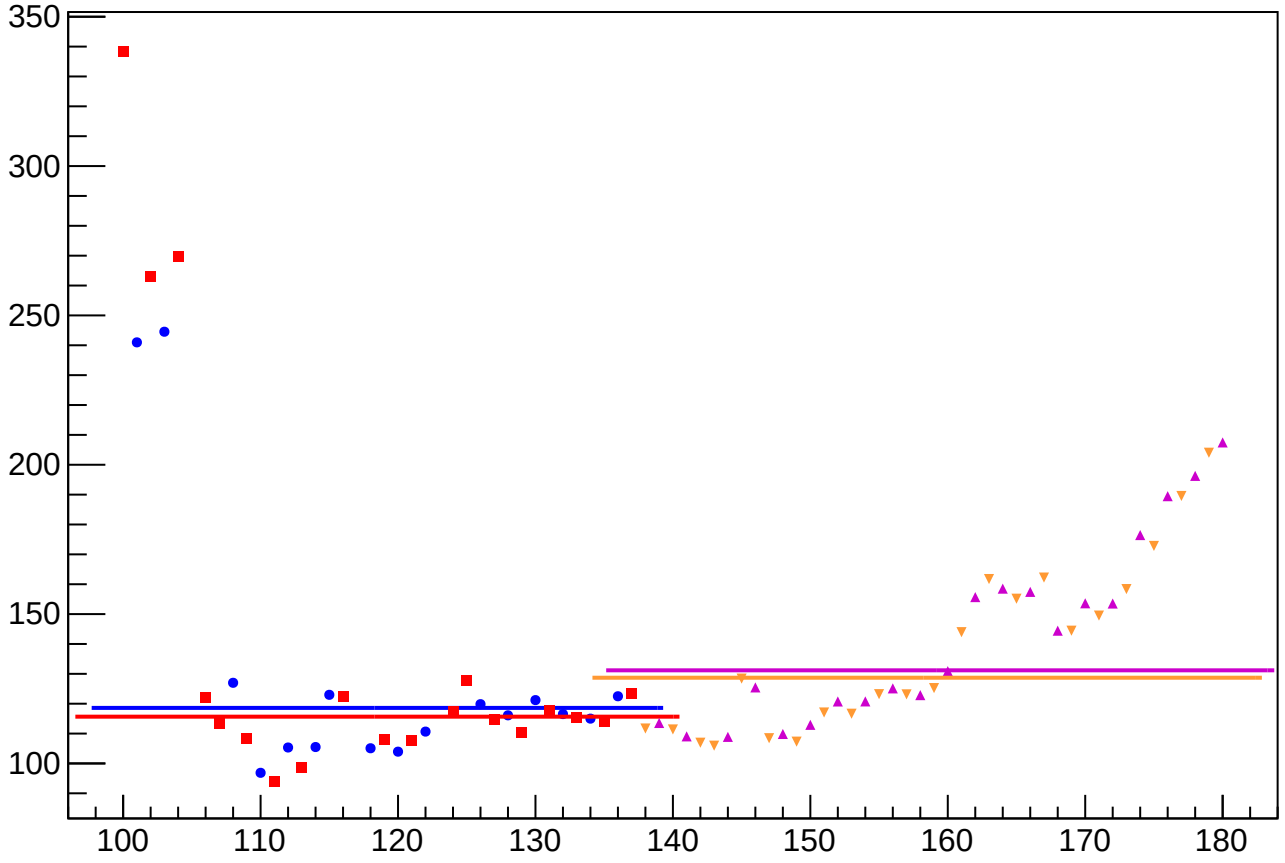
Left In: 4877.883+/-32.422 χ^2/NDF:15405.5/20

+ sign -3232.242+/-26.166 χ^2/NDF: 70254.5/37

All: 218.260+/-18.532 χ^2/NDF: 130830.1/77

- 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: 128.698+/-0.022 χ^2/NDF:1132841.8/21

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

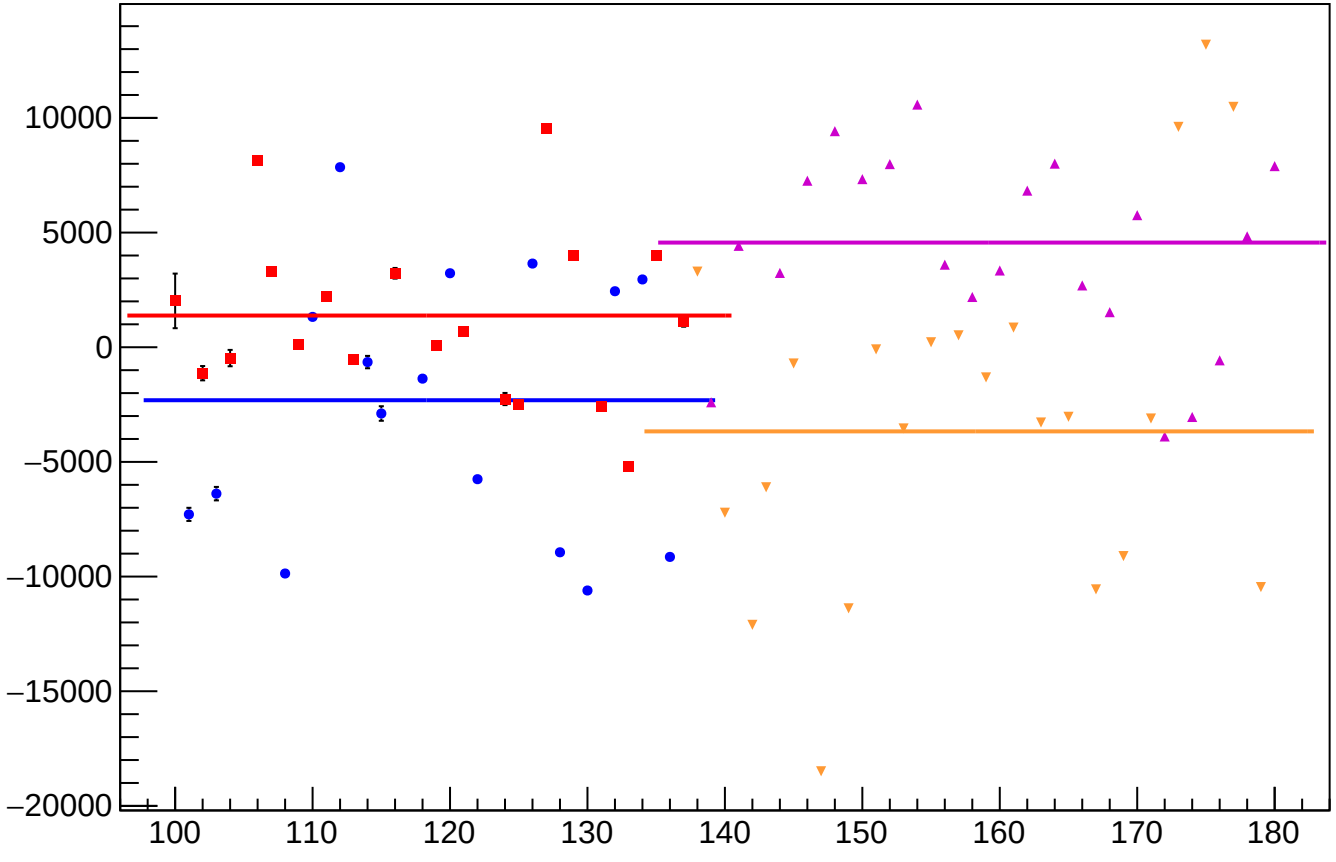
Left In: 131.177+/-0.023 χ^2/NDF:1174576.7/20

+ sign 125.529+/-0.019 χ^2/NDF: 1931174.4/37

All: 125.680+/-0.013 χ^2/NDF: 4127886.9/77

- sign 125.832+/-0.019 χ^2/NDF: 2196579.1/39

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -3668.939+/-28.449 χ^2/NDF:61245.1/21

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

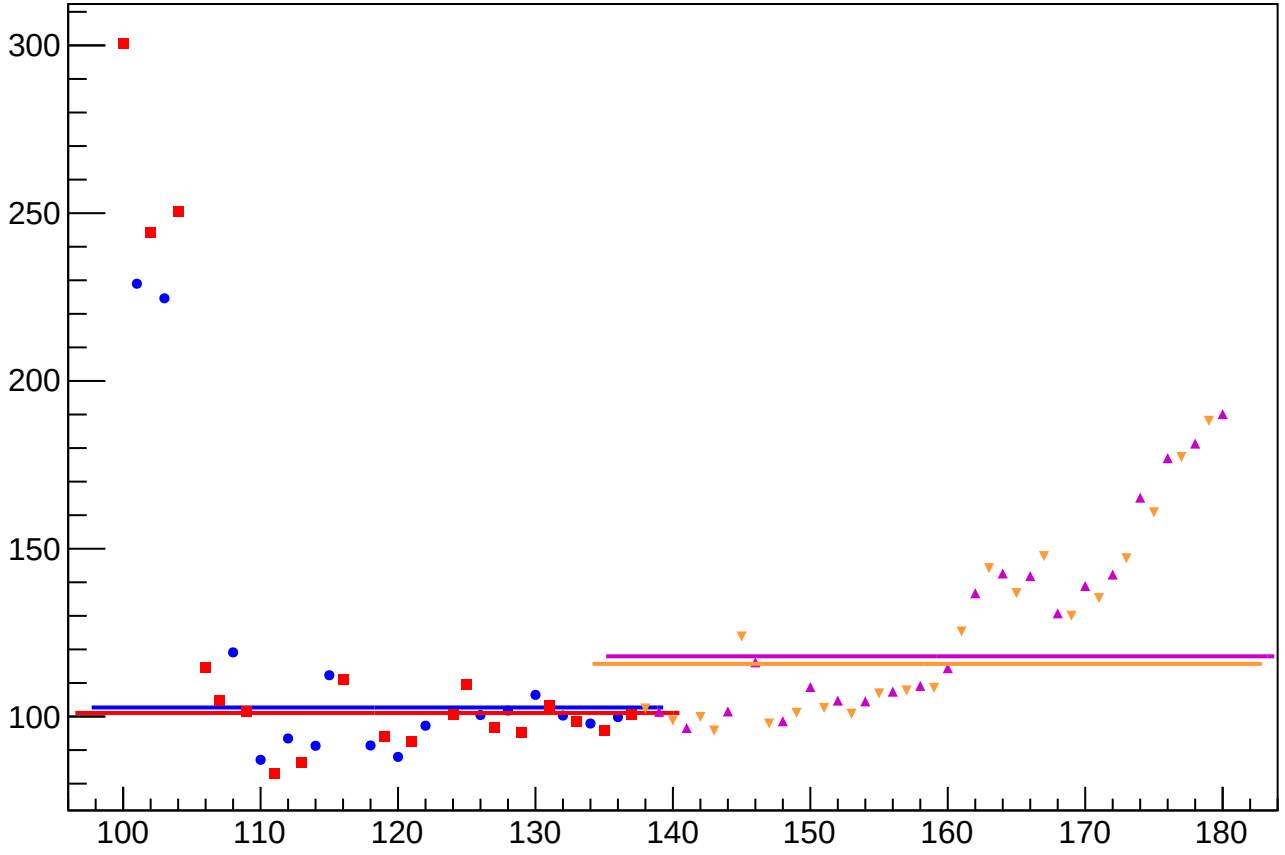
Left In: 4563.674+/-29.217 χ^2/NDF:17912.8/20

+ sign -3223.599+/-23.324 χ^2/NDF: 83672.0/37

All: 85.716+/-16.539 χ^2/NDF: 154871.0/77

- sign 3432.728+/-23.456 χ^2/NDF: 30706.6/39

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 115.689+/-0.020 χ^2/NDF:1209320.3/21

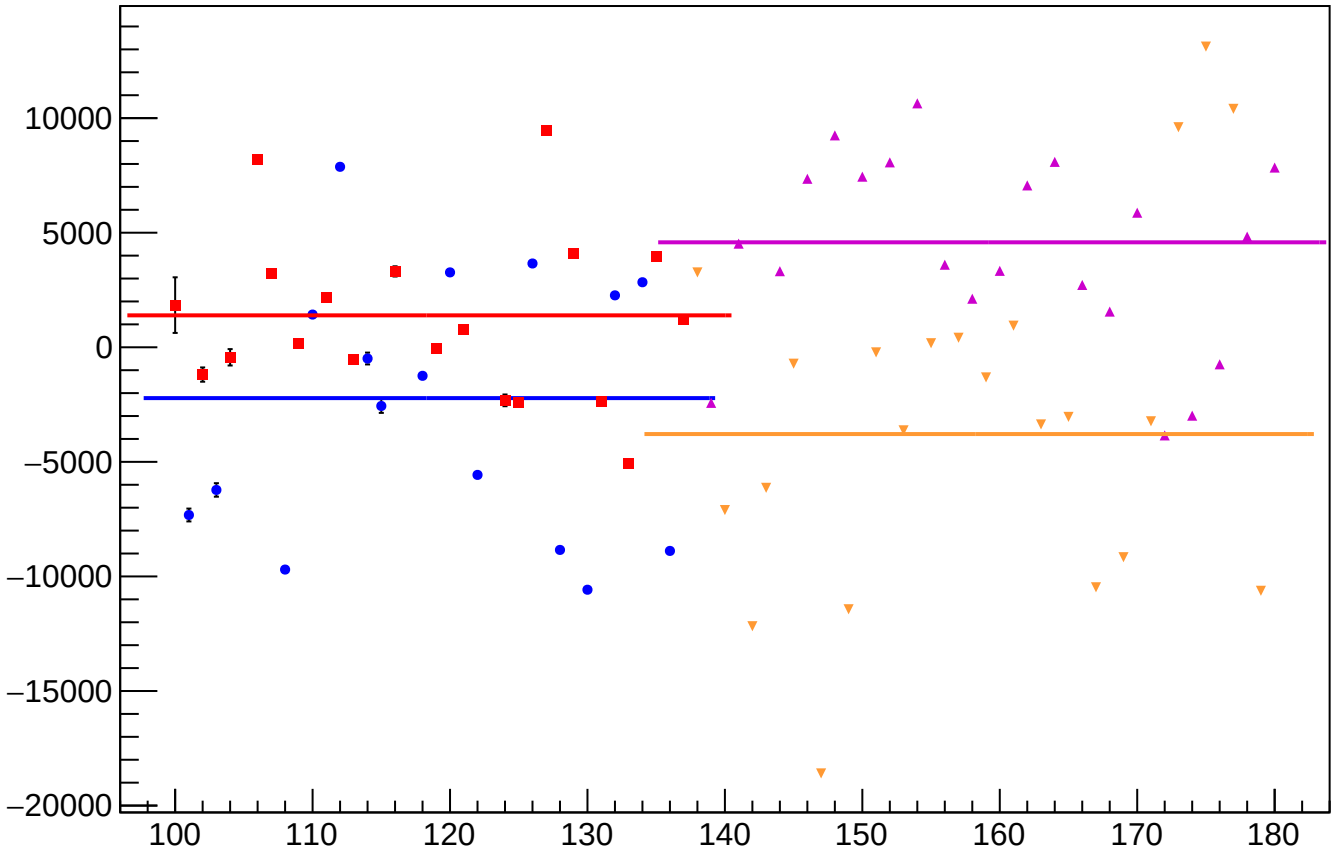
Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 117.942+/-0.021 χ^2/NDF:1267576.4/20

+ sign 111.428+/-0.016 χ^2/NDF: 2171934.9/37

All: 111.684+/-0.012 χ^2/NDF: 4607714.8/77

- sign 111.942+/-0.017 χ^2/NDF: 2435297.7/39



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3786.792+/-27.849 χ^2/NDF:65439.5/21

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

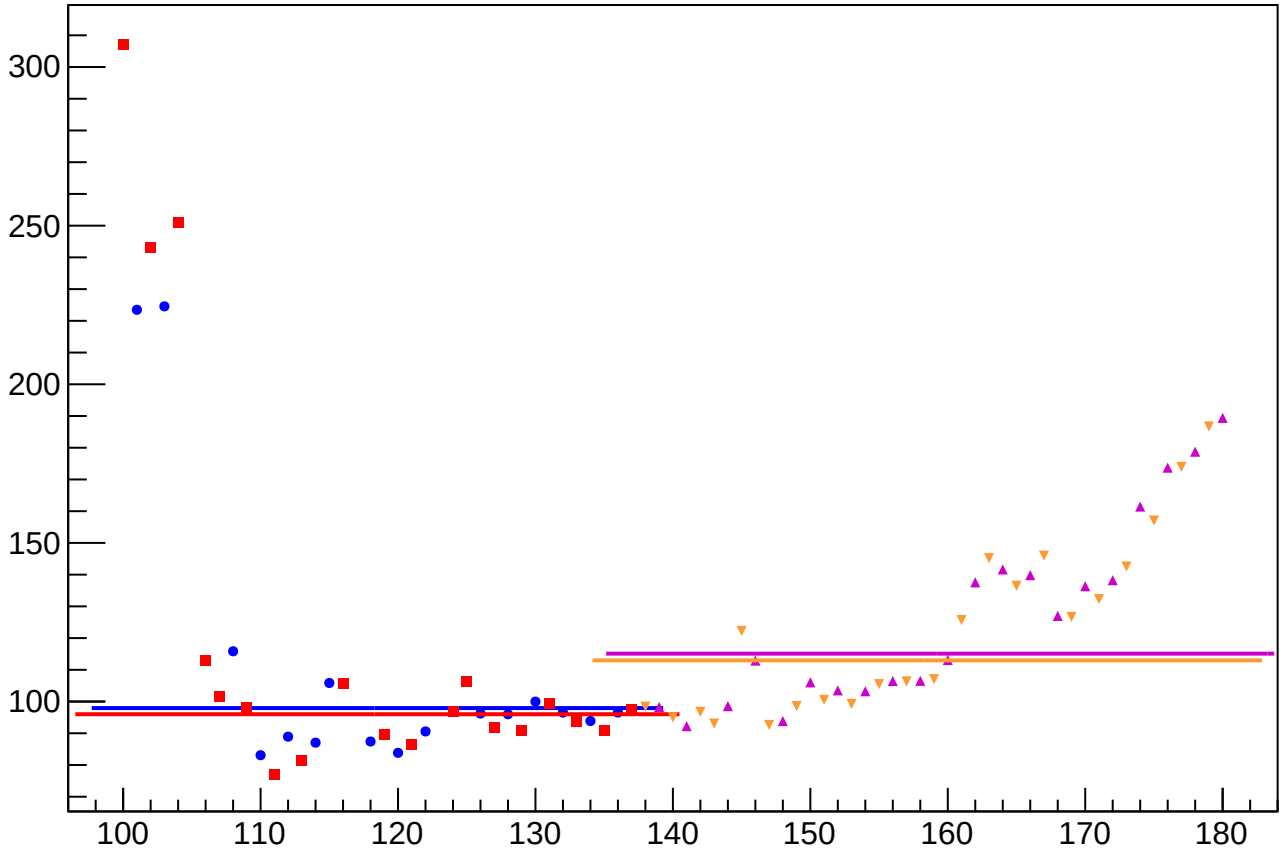
Left In: 4580.618+/-28.582 χ^2/NDF:18929.4/20

+ sign -3257.709+/-22.672 χ^2/NDF: 89550.3/37

All: 66.050+/-16.059 χ^2/NDF: 165322.1/77

- 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: 112.983+/-0.020 χ^2/NDF:1294583.5/21

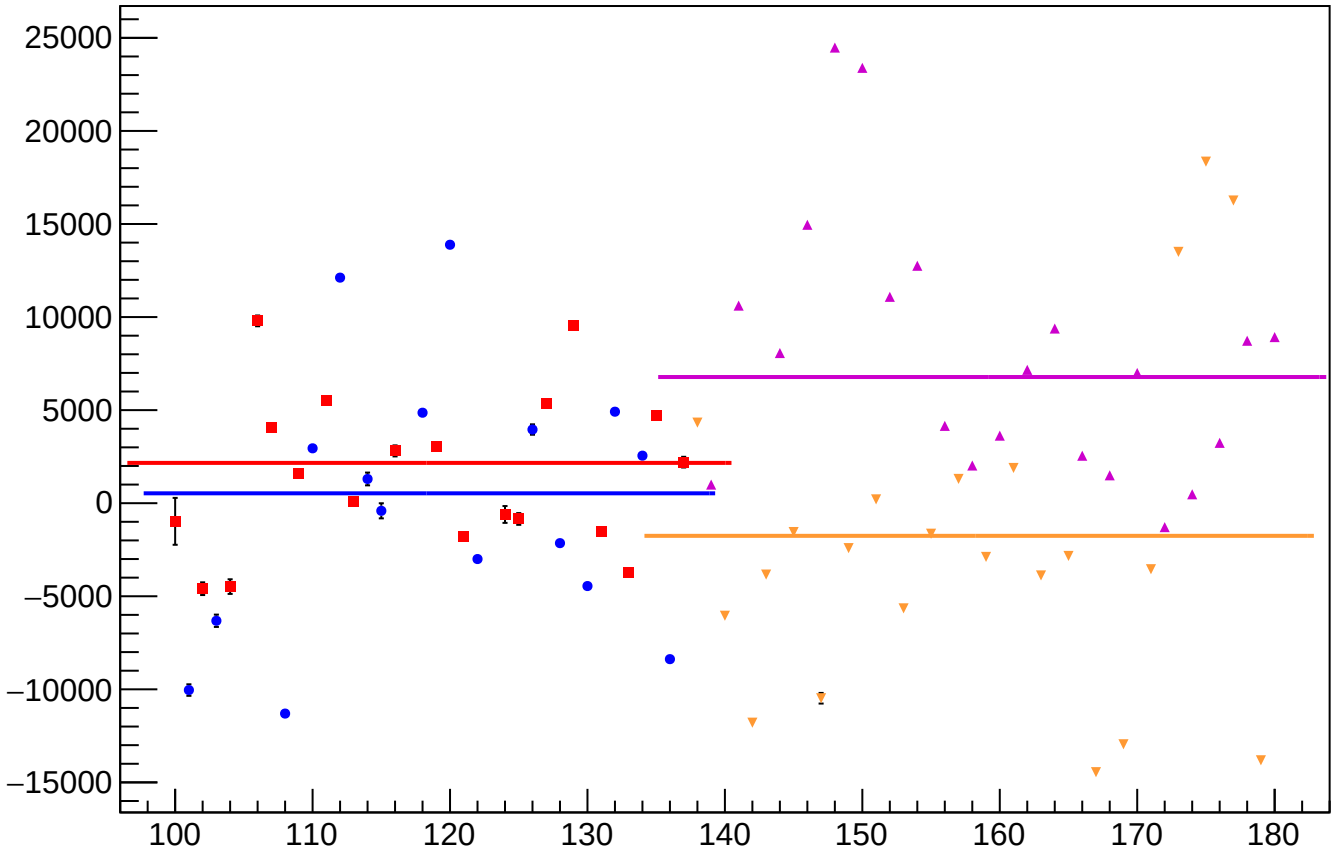
Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 115.101+/-0.020 χ^2/NDF:1348037.8/20

+ sign 107.910+/-0.016 χ^2/NDF: 2359435.1/37

All: 108.006+/-0.011 χ^2/NDF: 5046998.1/77

- 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: -1753.686+/-38.903 χ^2/NDF:40660.6/21

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

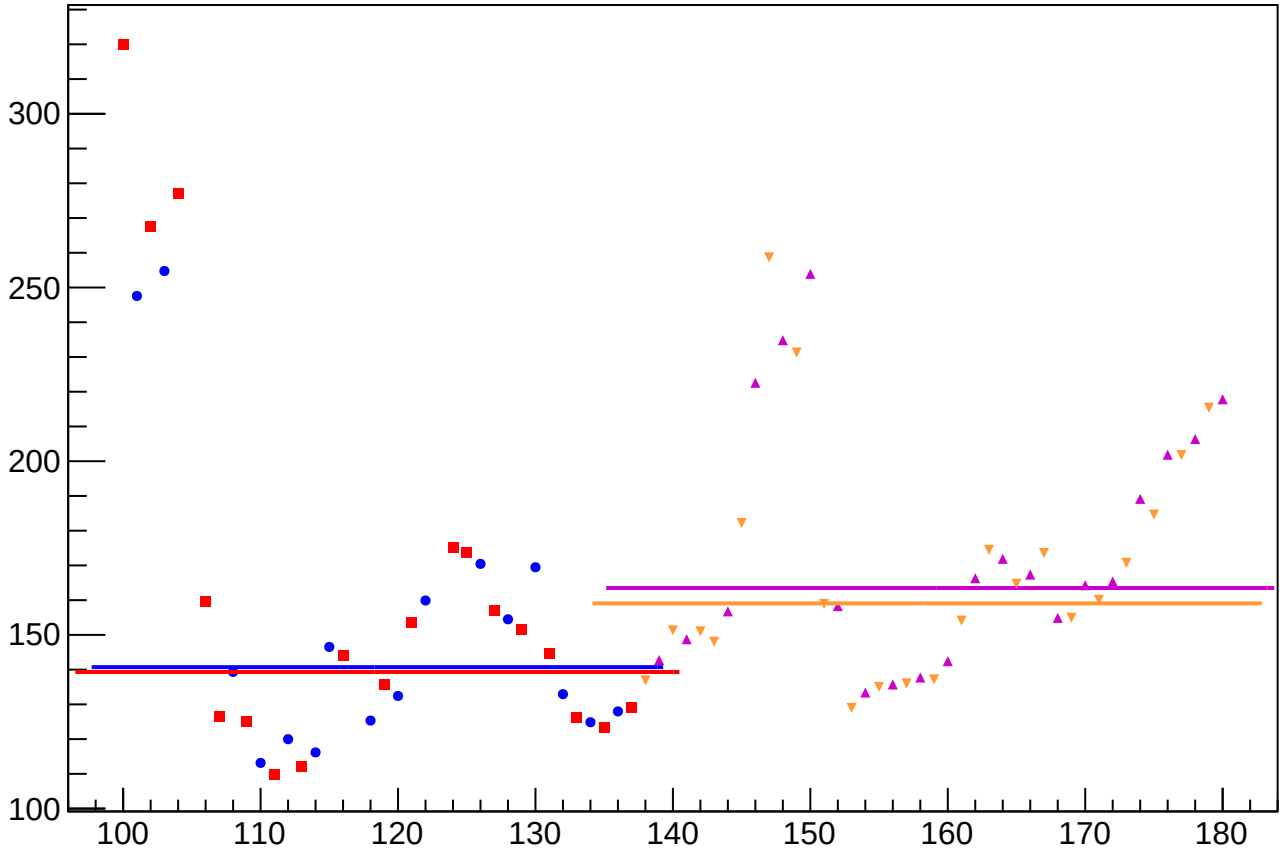
Left In: 6778.869+/-40.354 χ^2/NDF:20342.4/20

+ sign -989.257+/-31.733 χ^2/NDF: 60401.9/37

All: 2012.205+/-22.604 χ^2/NDF: 108618.9/77

- 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: 159.073+/-0.028 χ^2/NDF:967572.9/21

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

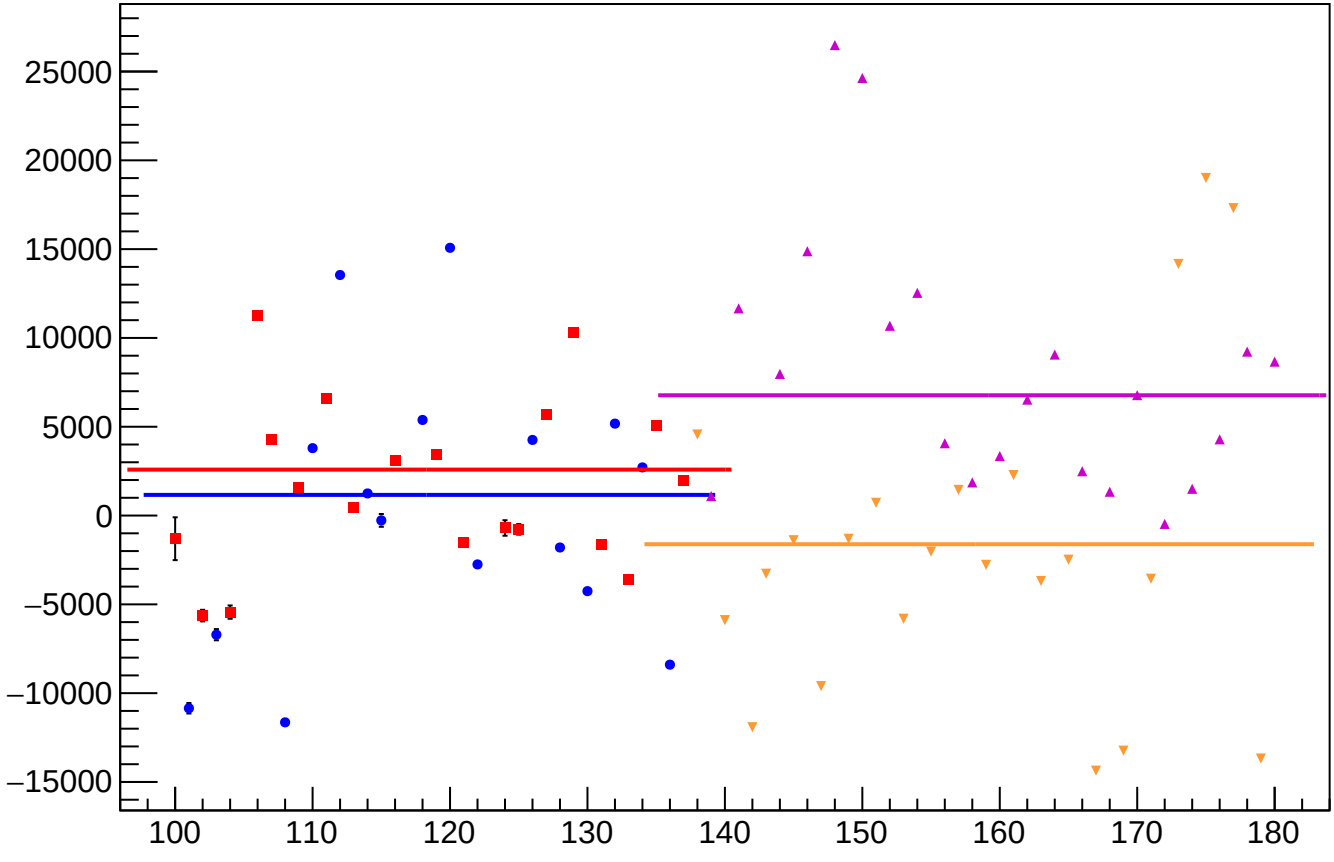
Left In: 163.497+/-0.029 χ^2/NDF:1077609.3/20

+ sign 152.929+/-0.022 χ^2/NDF: 1792223.8/37

All: 153.811+/-0.016 χ^2/NDF: 3935941.9/77

- sign 154.720+/-0.023 χ^2/NDF: 2140581.0/39

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1614.569+/-34.692 χ^2/NDF:50469.2/21

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

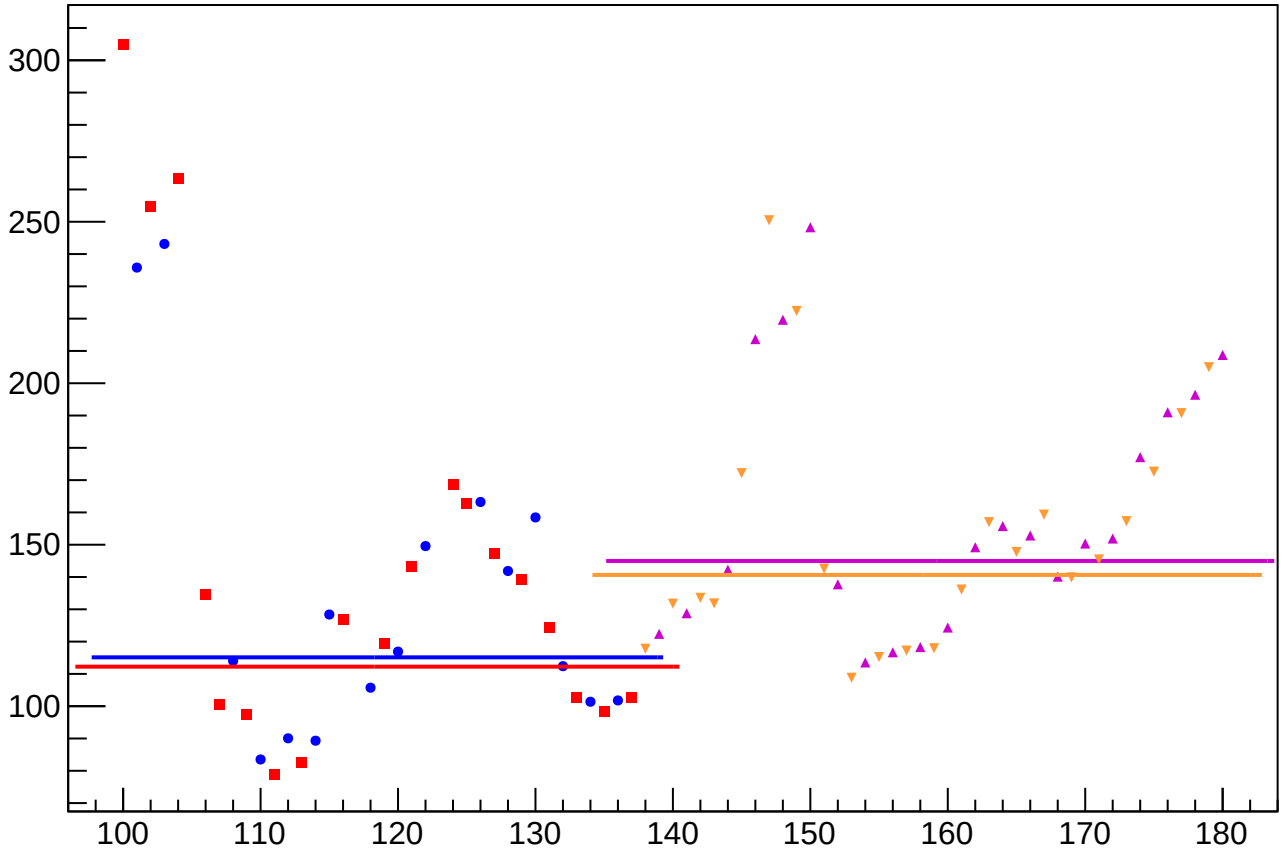
Left In: 6771.674+/-36.140 χ^2/NDF:25404.7/20

+ sign -605.601+/-27.683 χ^2/NDF: 83552.2/37

All: 2214.199+/-19.683 χ^2/NDF: 143406.5/77

- 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: 140.645+/-0.025 χ^2/NDF:1403426.6/21

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

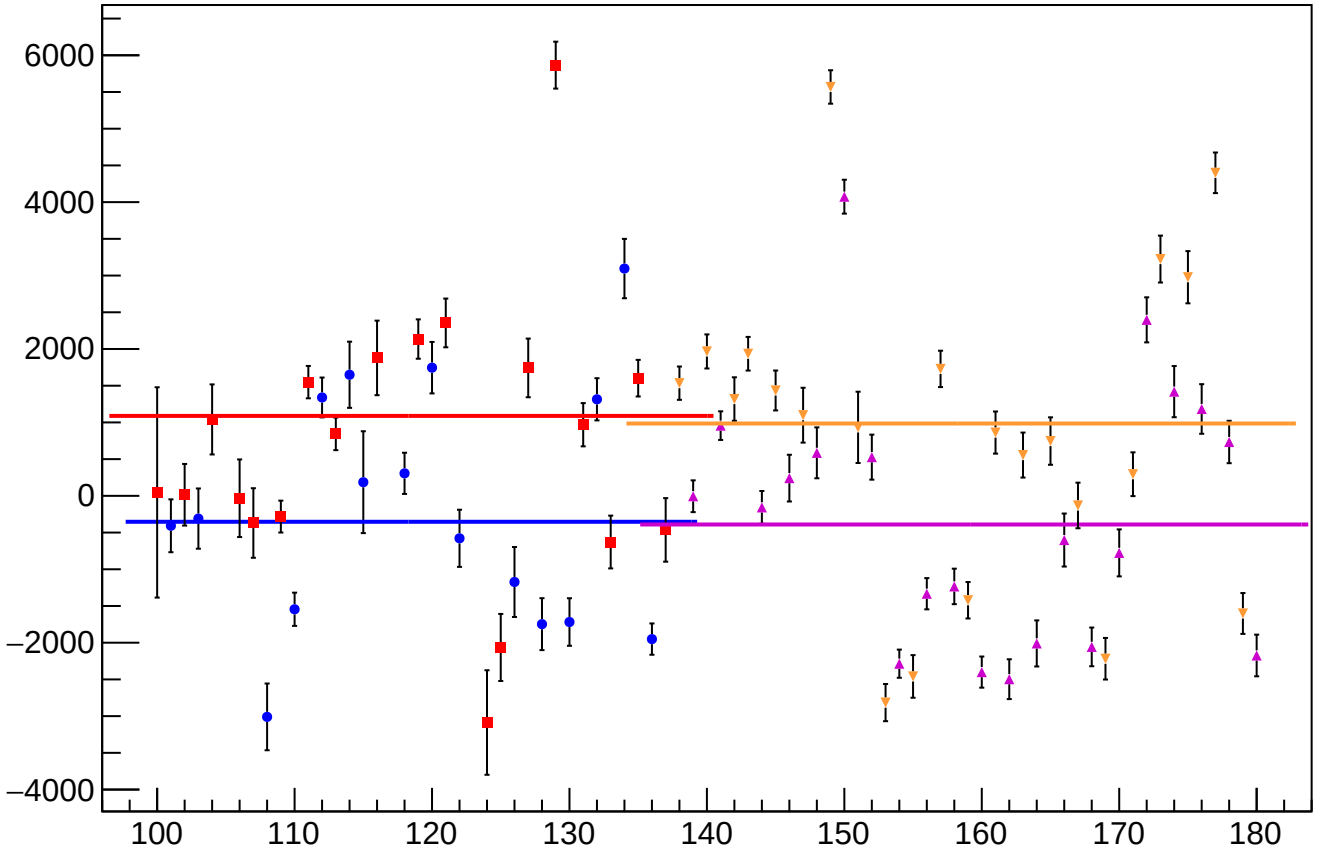
Left In: 144.969+/-0.026 χ^2/NDF:1547551.6/20

+ sign 131.375+/-0.020 χ^2/NDF: 2909542.6/37

All: 131.622+/-0.014 χ^2/NDF: 6441737.6/77

- 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: 985.051+/-59.452 χ^2/NDF:1387.7/21

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

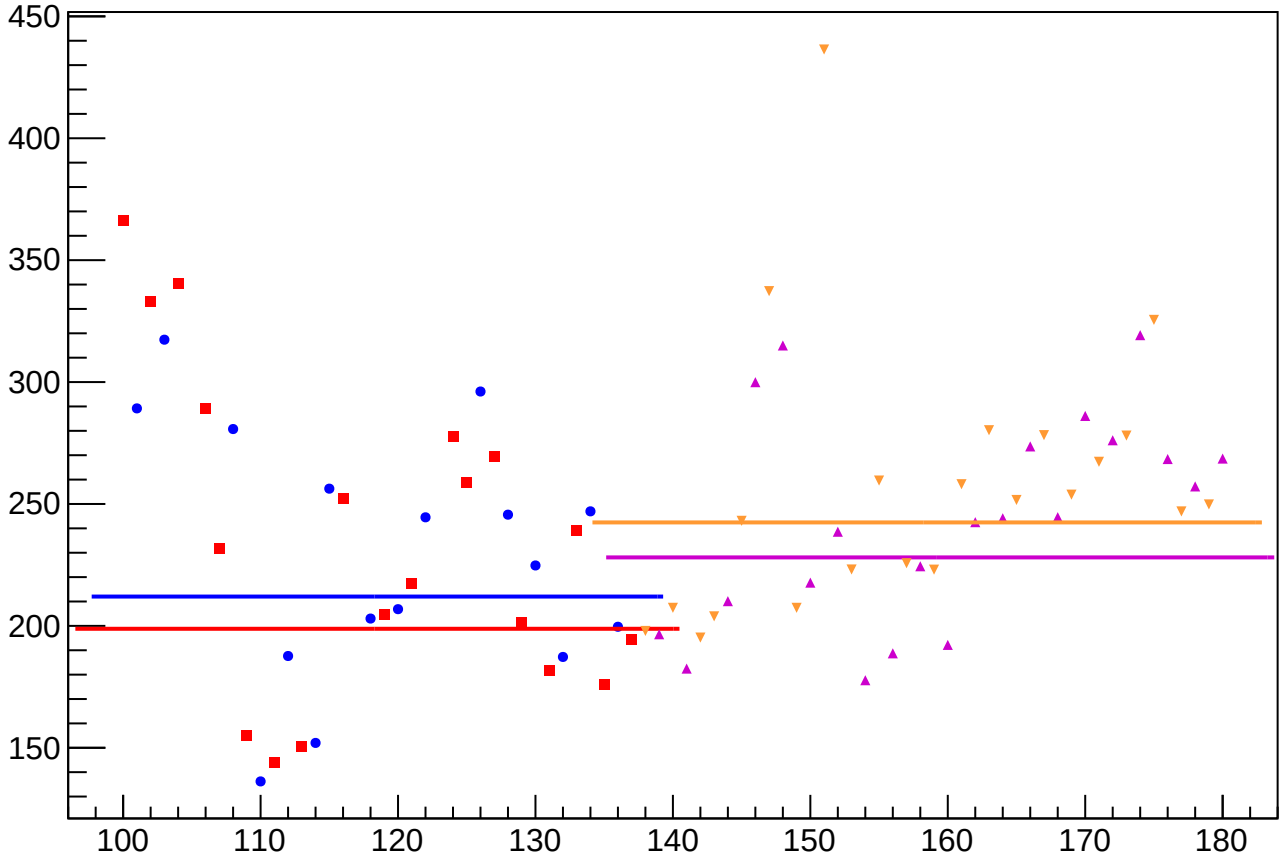
Left In: -390.184+/-56.641 χ^2/NDF:981.4/20

+ sign 524.988+/-48.160 χ^2/NDF: 1923.7/37

All: 318.433+/-33.077 χ^2/NDF: 3628.7/77

- 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: 242.433+/-0.042 χ^2/NDF:983369.2/21

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

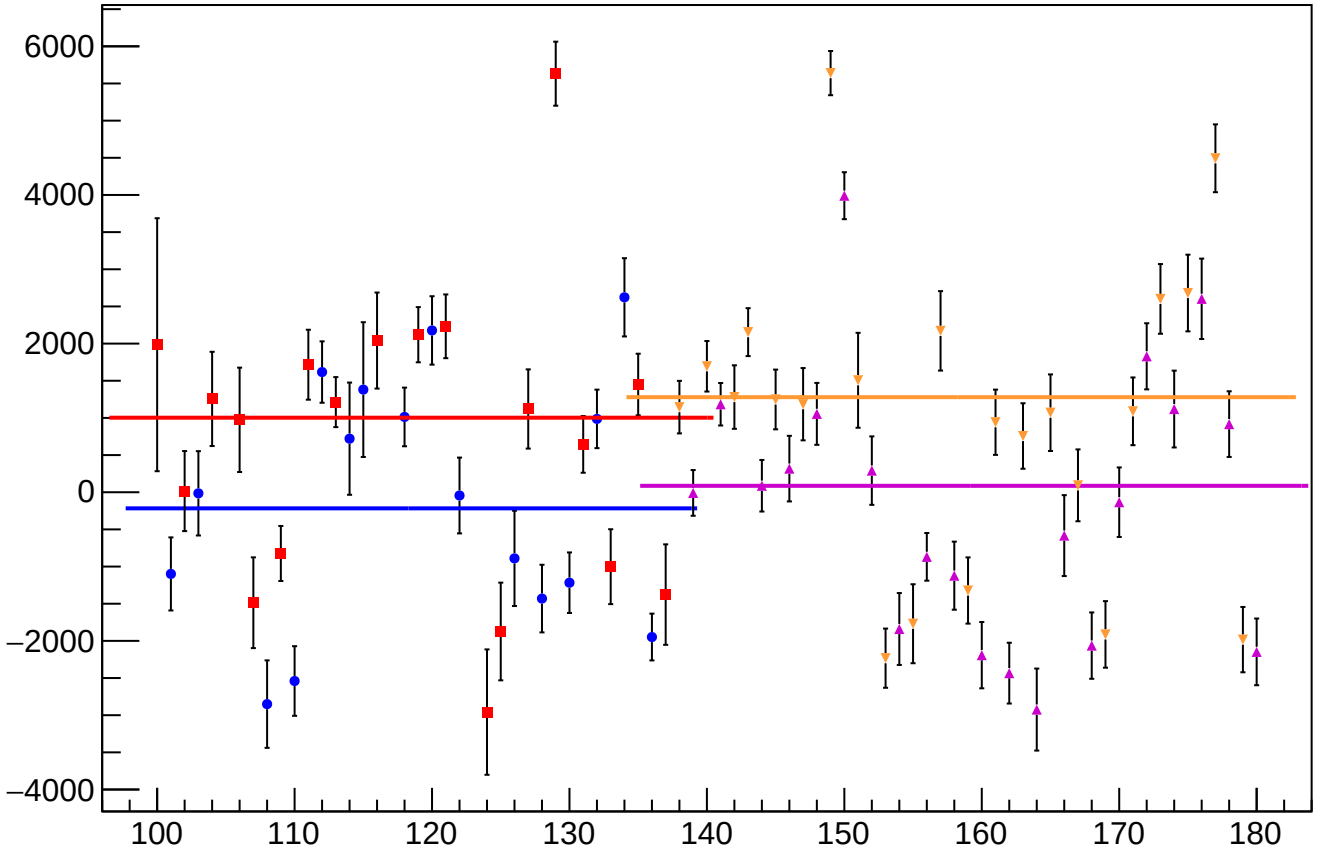
Left In: 228.085+/-0.040 χ^2/NDF:1054981.9/20

+ sign 231.980+/-0.034 χ^2/NDF: 1853581.8/37

All: 224.441+/-0.023 χ^2/NDF: 4165633.1/77

- 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: 1279.128+/-90.983 χ^2/NDF:551.0/21

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

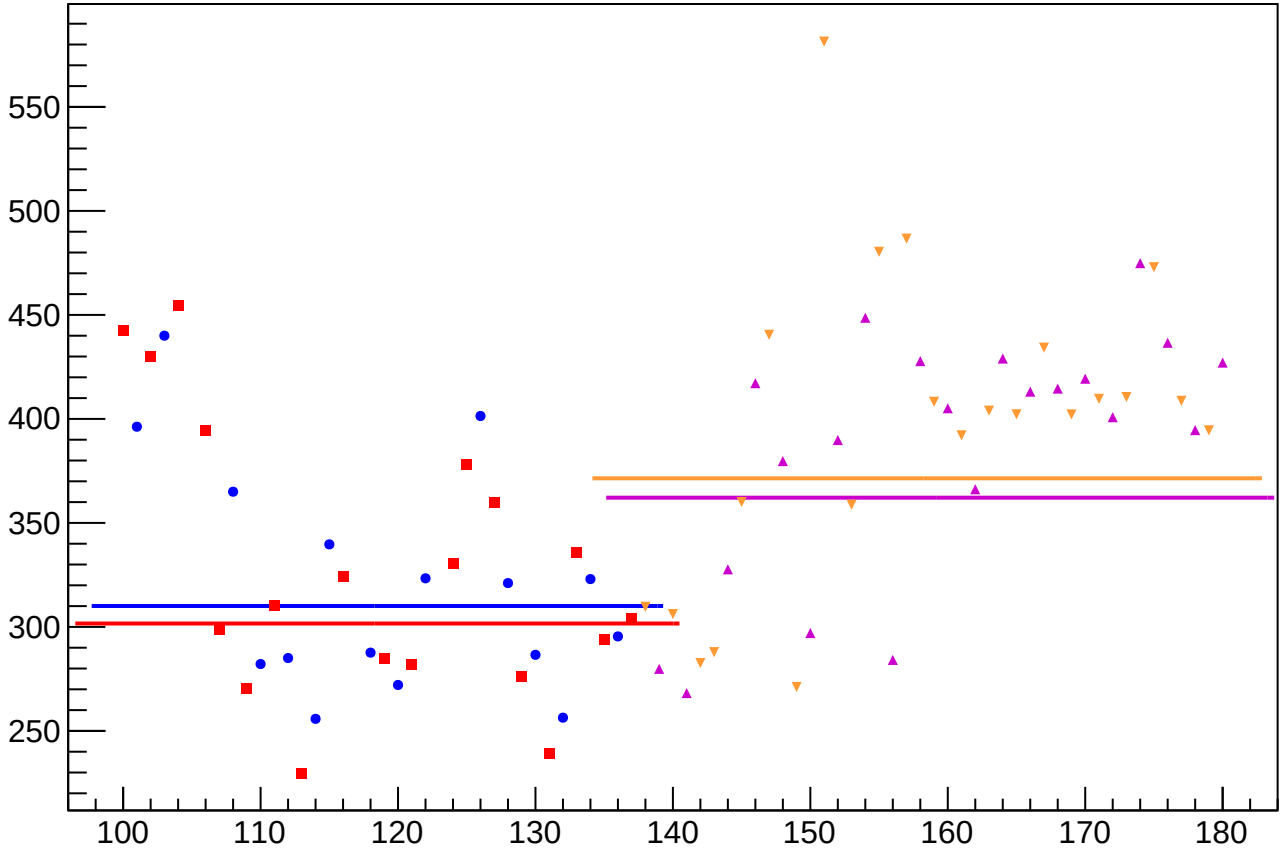
Left In: 86.371+/-89.417 χ^2/NDF:393.3/20

+ sign 720.650+/-72.027 χ^2/NDF: 844.1/37

All: 576.058+/-50.252 χ^2/NDF: 1540.0/77

- 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: 371.443+/-0.064 χ^2/NDF:1223752.7/21

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

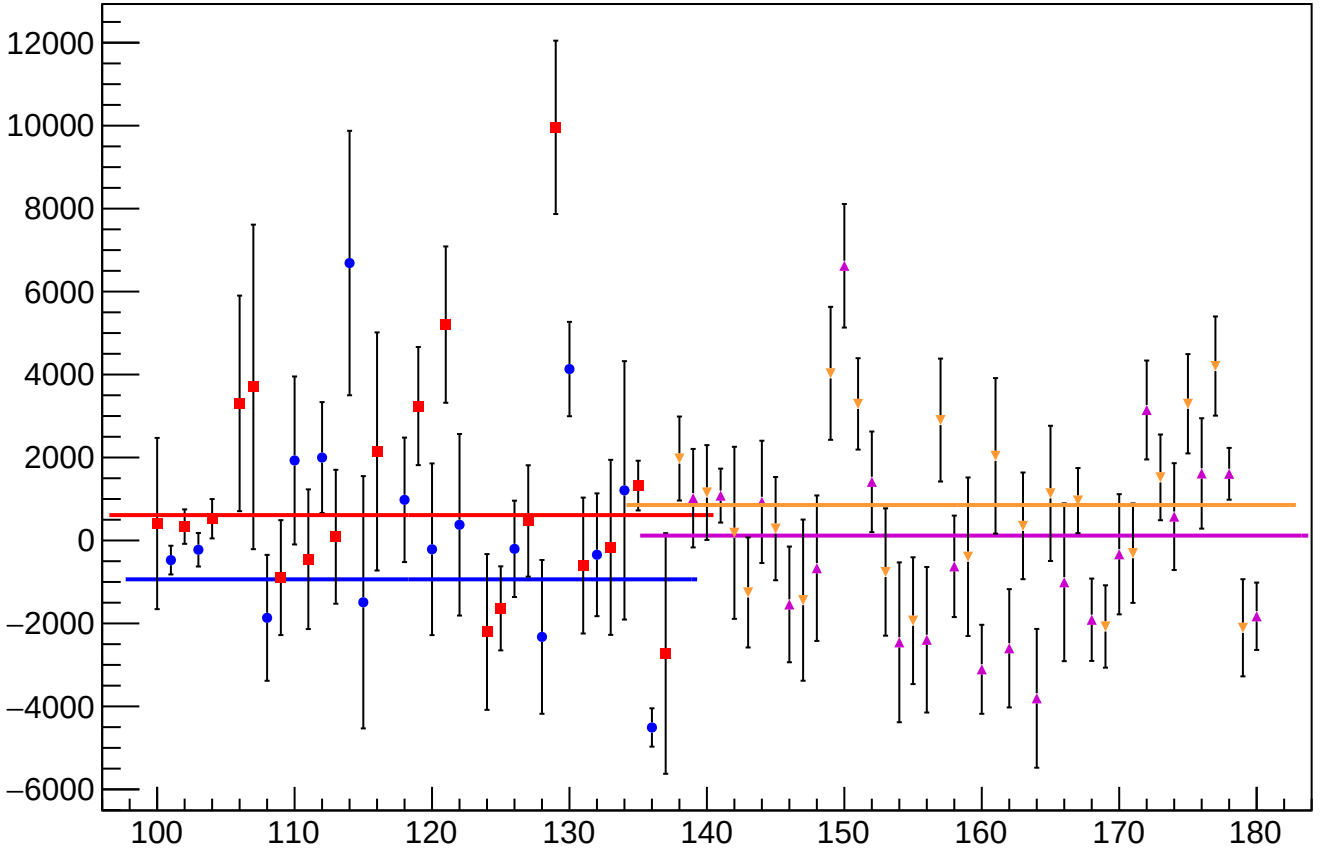
Left In: 362.130+/-0.063 χ^2/NDF:1053196.6/20

+ sign 348.530+/-0.051 χ^2/NDF: 1886837.9/37

All: 343.569+/-0.036 χ^2/NDF: 3830448.6/77

- 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: 854.901+/-268.095 χ^2/NDF:50.2/21

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

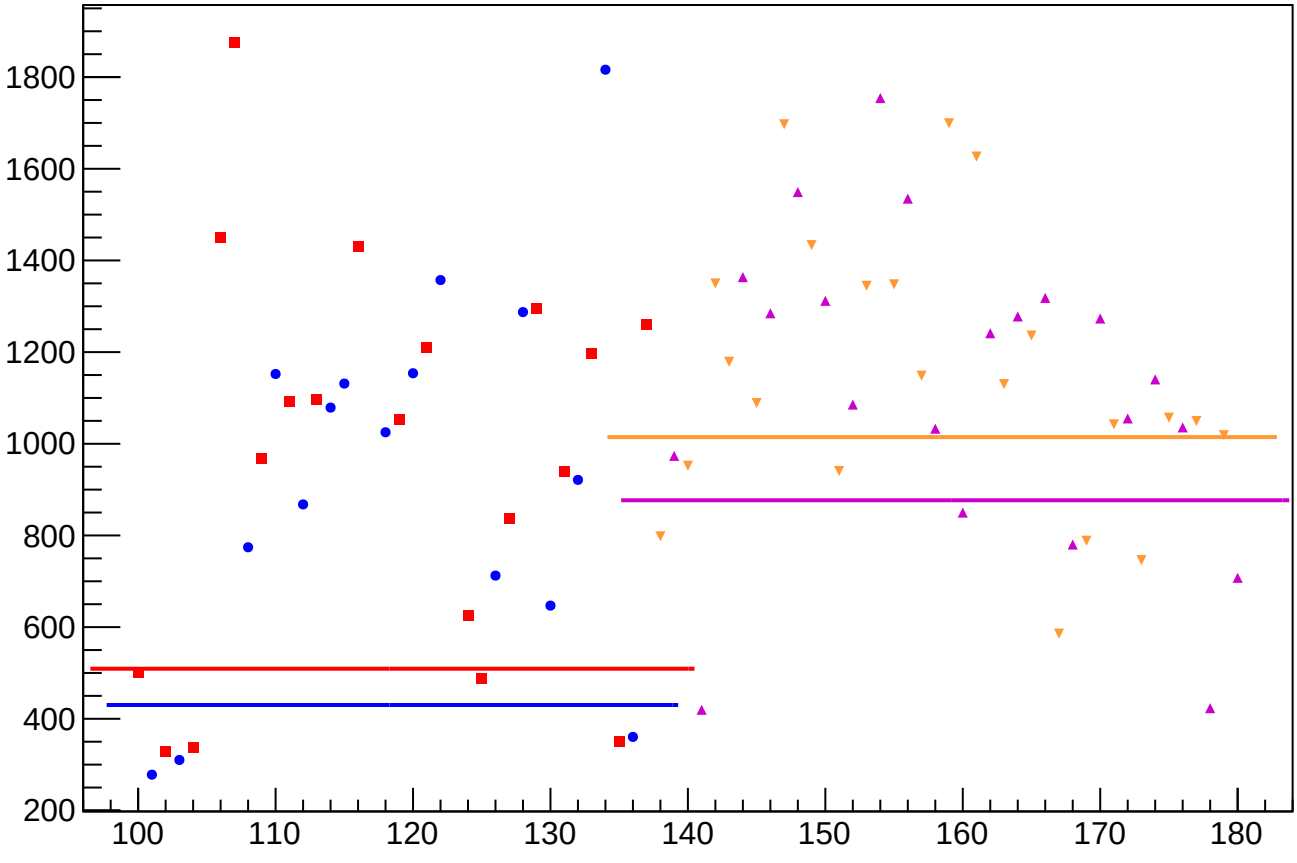
Left In: 117.116+/-248.406 χ^2/NDF:71.2/20

+ sign -276.975+/-162.705 χ^2/NDF: 179.6/37

All: 37.144+/-117.543 χ^2/NDF: 304.8/77

- 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: 1014.635+/-0.190 χ^2/NDF:2148401.9/21

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

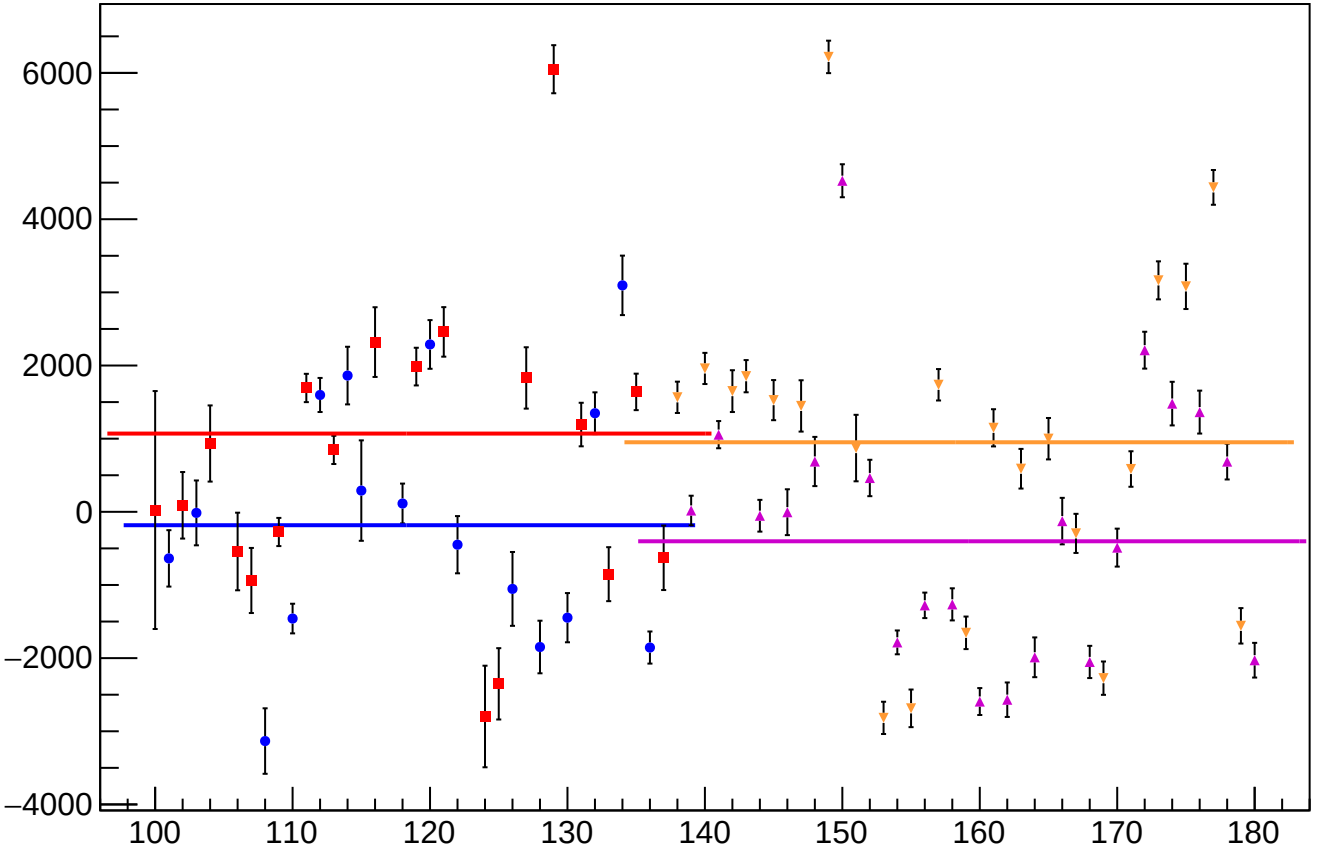
Left In: 876.763+/-0.176 χ^2/NDF:4467036.1/20

+ sign 645.403+/-0.115 χ^2/NDF: 11675845.9/37

All: 662.595+/-0.083 χ^2/NDF: 22190672.7/77

- 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: 950.838+/-53.258 χ^2/NDF:1934.3/21

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

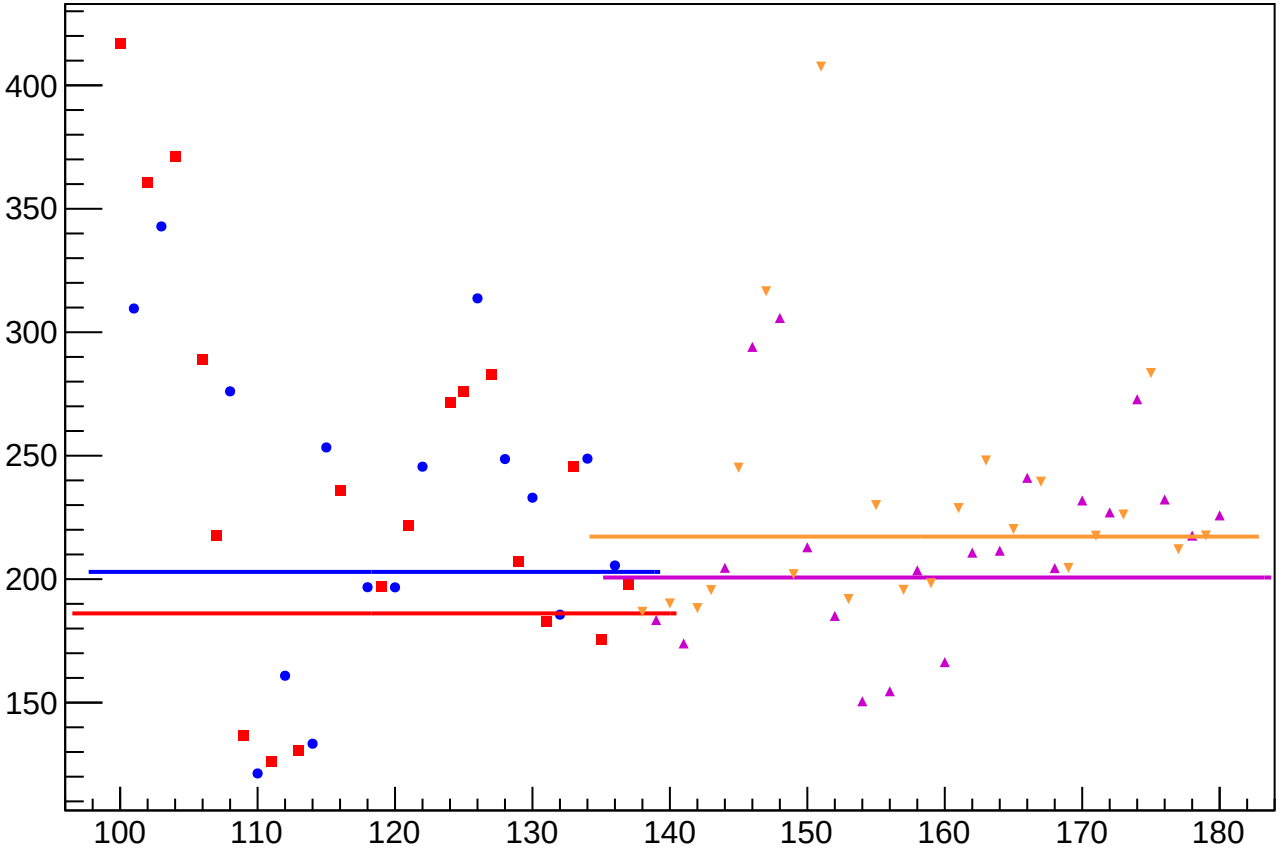
Left In: -402.695+/-49.979 χ^2/NDF:1250.0/20

+ sign 601.818+/-44.309 χ^2/NDF: 2491.6/37

All: 315.149+/-30.192 χ^2/NDF: 4588.7/77

- 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: 217.233+/-0.038 χ^2/NDF:865016.3/21

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

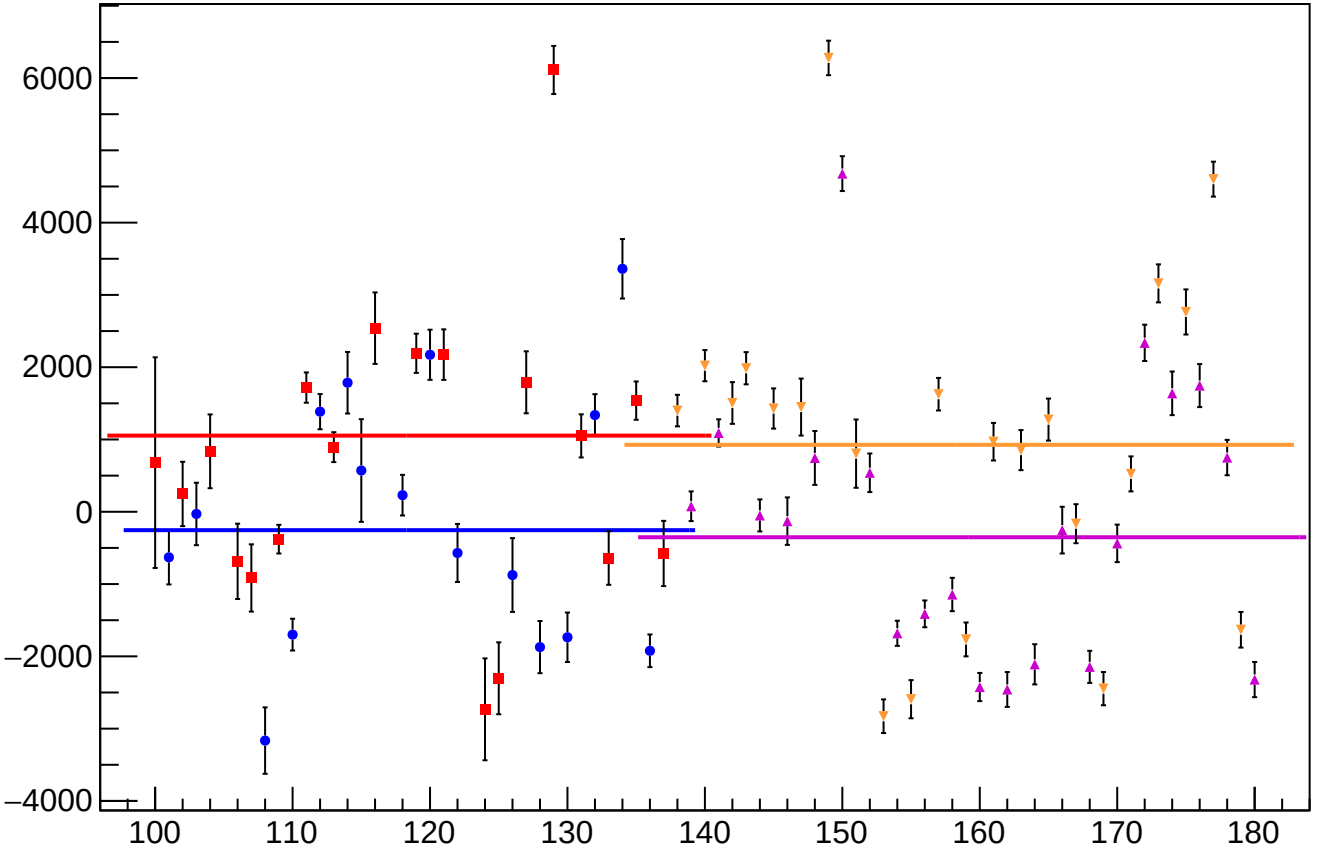
Left In: 200.670+/-0.035 χ^2/NDF:1104973.8/20

+ sign 212.834+/-0.031 χ^2/NDF: 1981209.0/37

All: 203.834+/-0.021 χ^2/NDF: 4775827.2/77

- sign 196.034+/-0.029 χ^2/NDF: 2640605.0/39

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 925.902+/-54.676 χ^2/NDF:1826.0/21

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

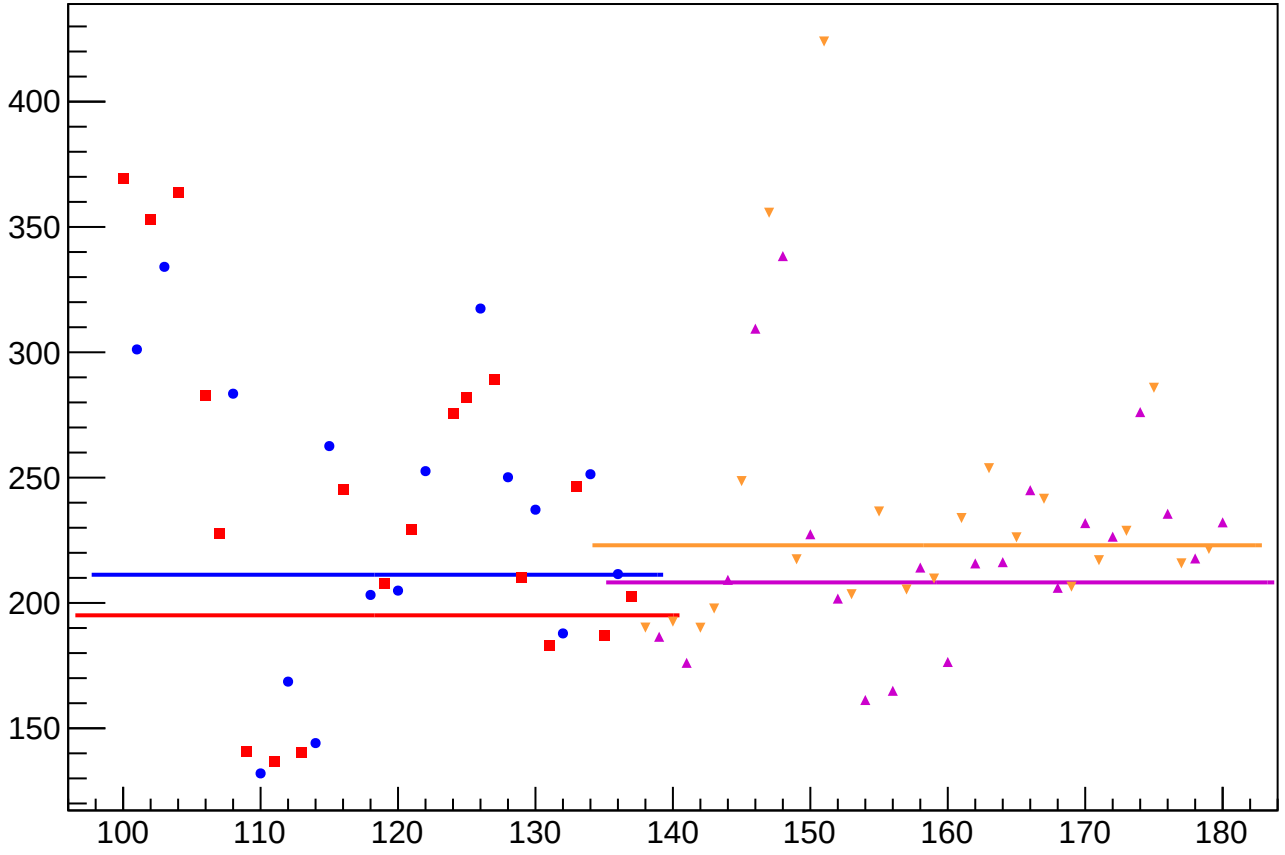
Left In: -352.256+/-51.739 χ^2/NDF:1211.7/20

+ sign 565.615+/-45.574 χ^2/NDF: 2377.5/37

All: 314.423+/-31.185 χ^2/NDF: 4358.0/77

- 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: 223.007+/-0.039 χ^2/NDF:914687.6/21

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

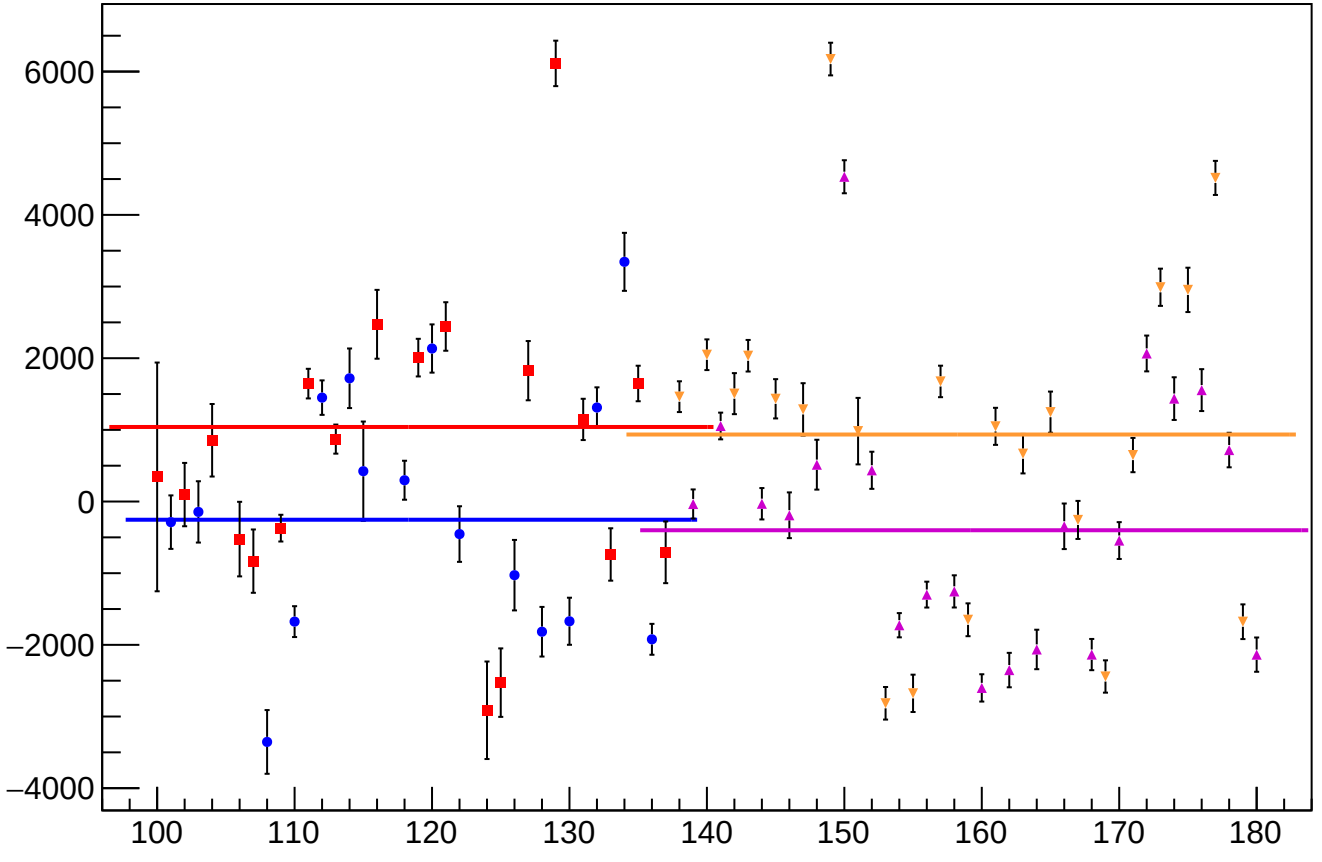
Left In: 208.194+/-0.037 χ^2/NDF:1033963.0/20

+ sign 219.420+/-0.032 χ^2/NDF: 1827262.2/37

All: 211.237+/-0.022 χ^2/NDF: 4308174.2/77

- 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: 935.170+/-53.731 χ^2/NDF:1894.2/21

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

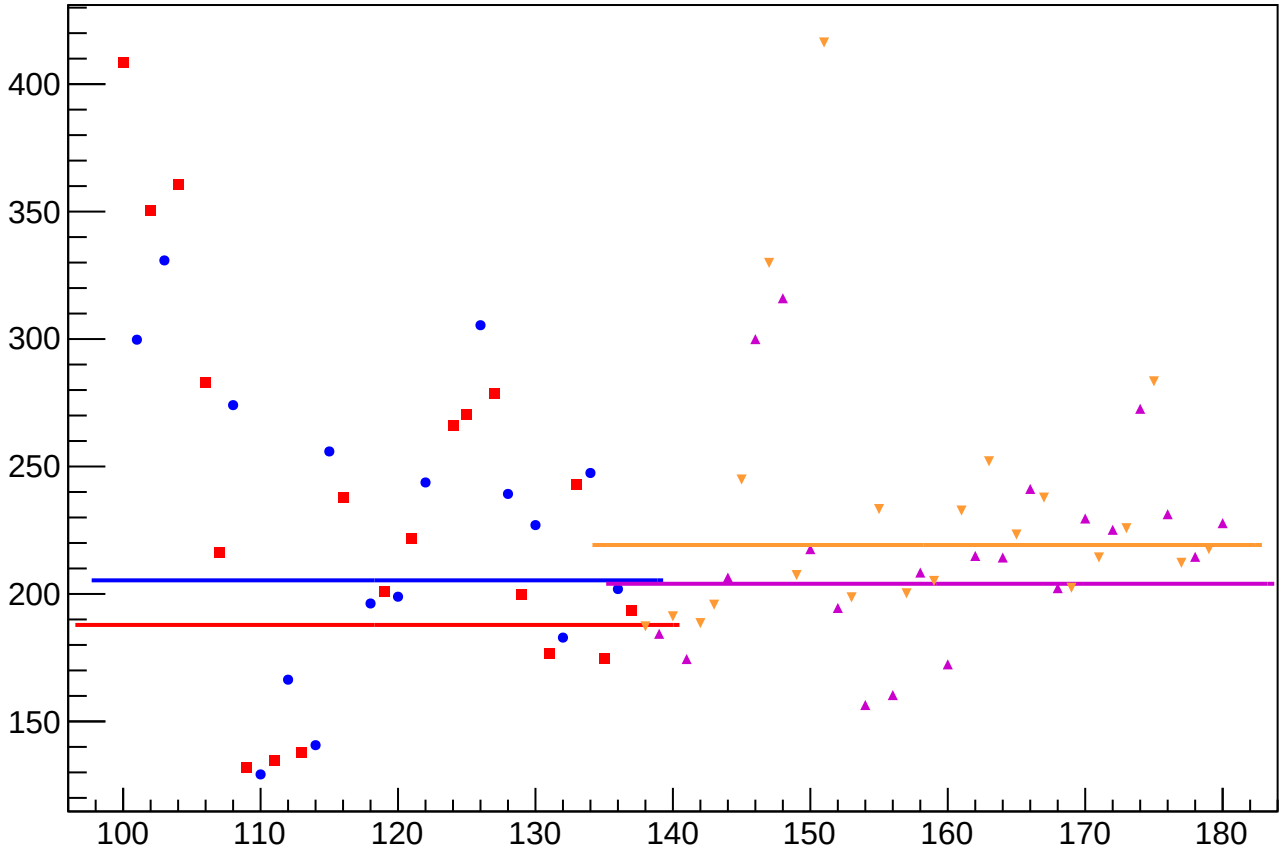
Left In: -400.761+/-50.709 χ^2/NDF:1197.0/20

+ sign 566.902+/-44.642 χ^2/NDF: 2478.0/37

All: 299.030+/-30.479 χ^2/NDF: 4537.0/77

- 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: 219.208+/-0.038 χ^2/NDF:880641.6/21

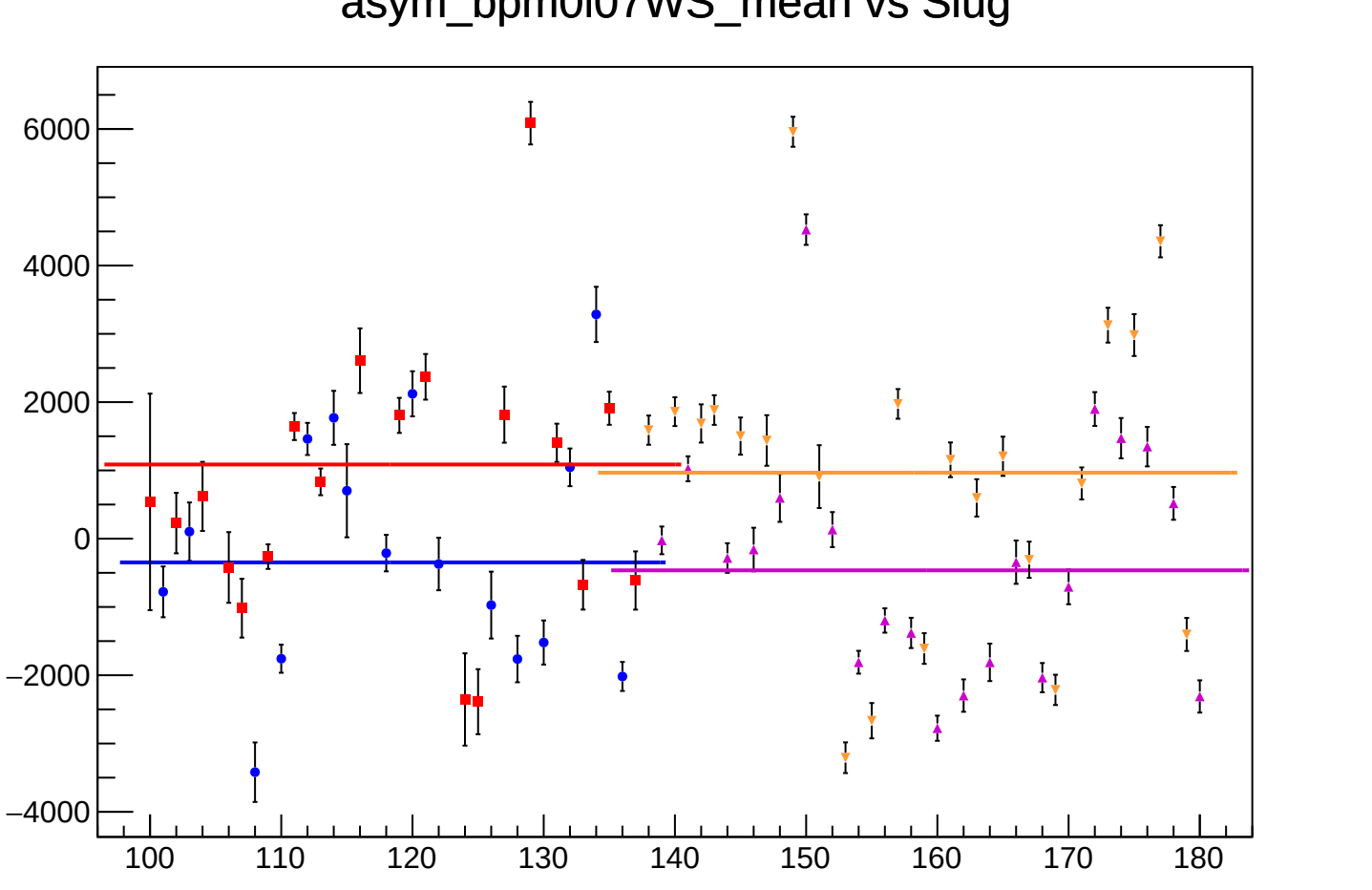
Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 203.995+/-0.036 χ^2/NDF:1013753.4/20

+ sign 214.914+/-0.032 χ^2/NDF: 1799294.3/37

All: 206.298+/-0.022 χ^2/NDF: 4355210.6/77

- sign 198.775+/-0.029 χ^2/NDF: 2416366.5/39



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 966.721+/-53.069 χ^2/NDF:1917.0/21

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

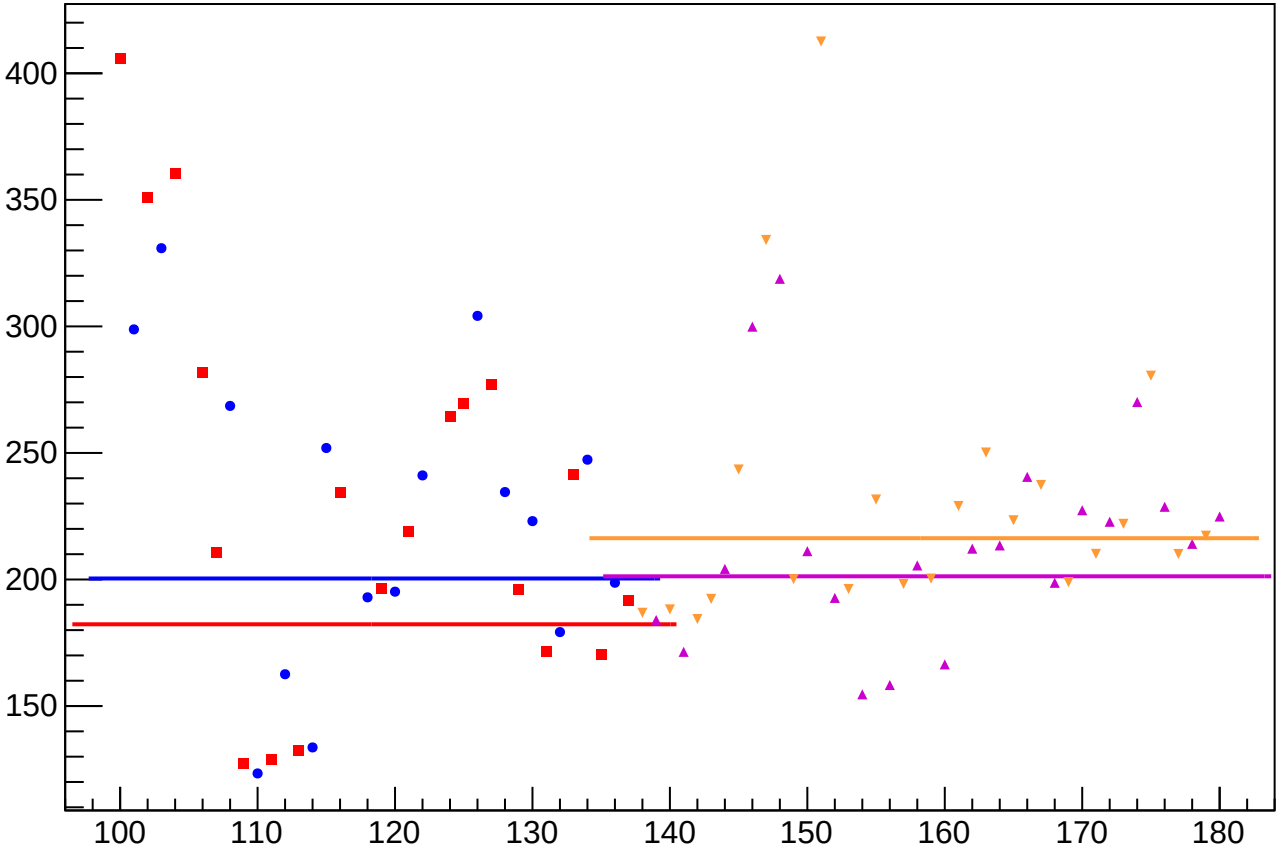
Left In: -463.627+/-50.074 χ^2/NDF:1230.7/20

+ sign 554.922+/-43.977 χ^2/NDF: 2555.0/37

All: 282.880+/-29.998 χ^2/NDF: 4699.7/77

- 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: 216.313+/-0.038 χ^2/NDF:921141.7/21

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

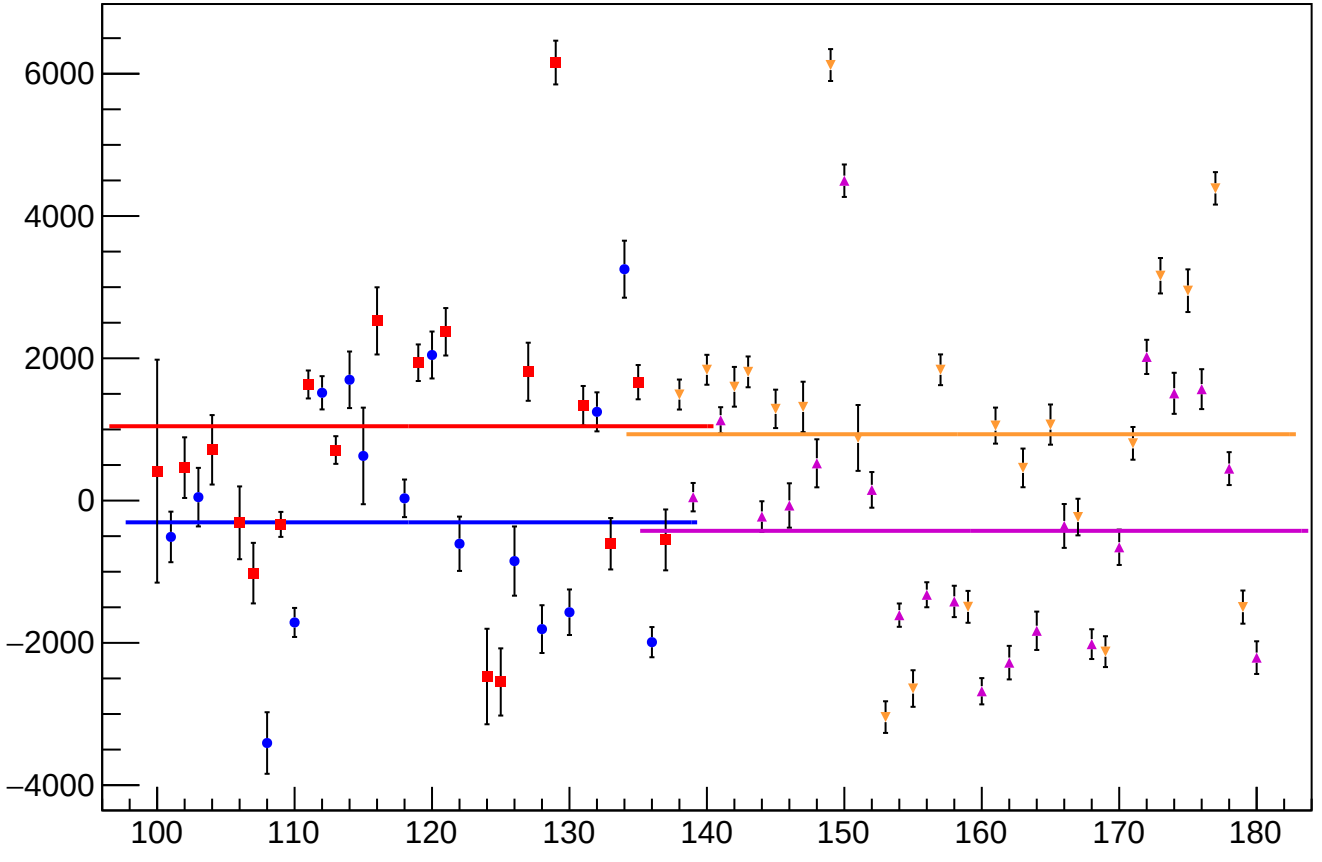
Left In: 201.260+/-0.035 χ^2/NDF:1061500.4/20

\+ sign 211.327+/-0.031 χ^2/NDF: 1936493.5/37

All: 202.611+/-0.021 χ^2/NDF: 4686406.1/77

\- 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: 932.656+/-52.423 χ^2/NDF:1919.7/21

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

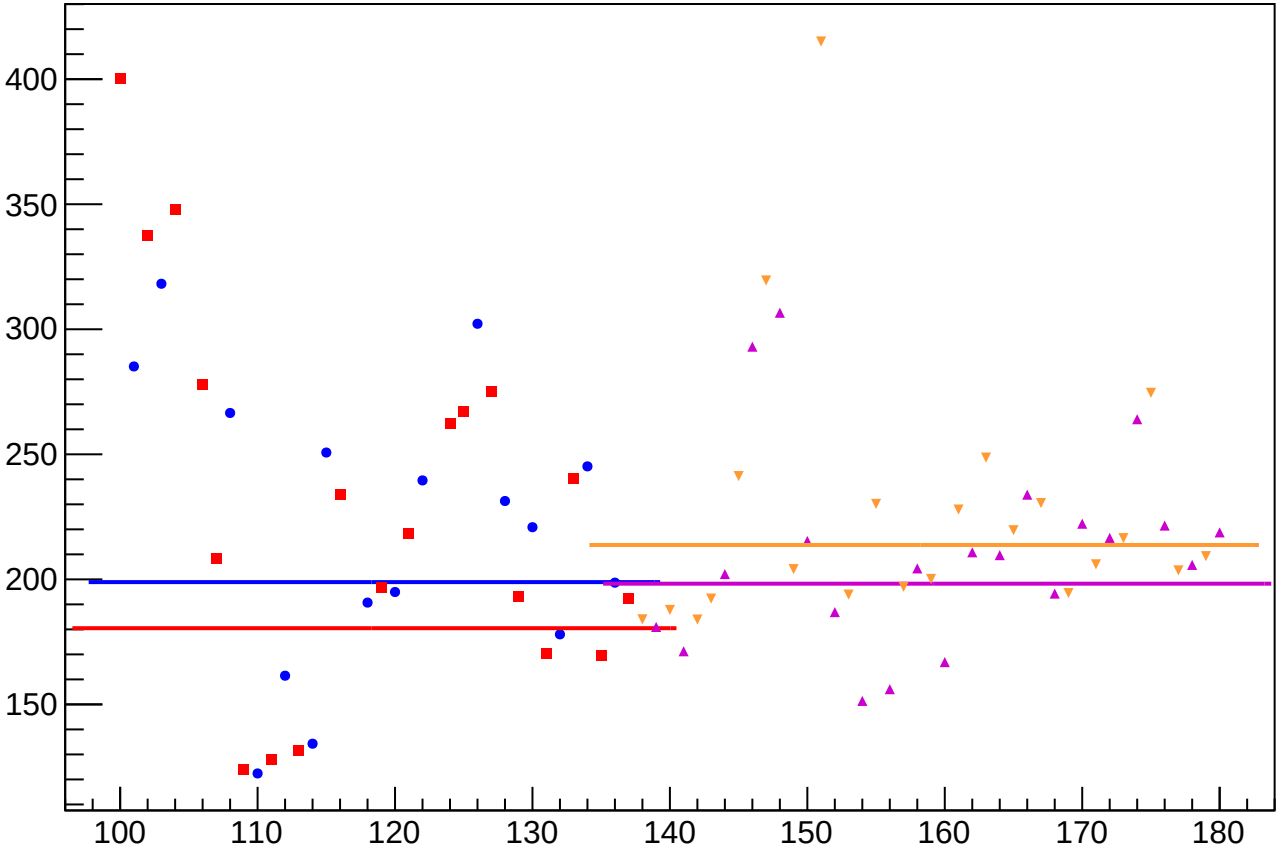
Left In: -425.149+/-49.315 χ^2/NDF:1227.1/20

+ sign 546.459+/-43.486 χ^2/NDF: 2545.6/37

All: 283.064+/-29.626 χ^2/NDF: 4683.5/77

- 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: 213.753+/-0.037 χ^2/NDF:891082.3/21

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

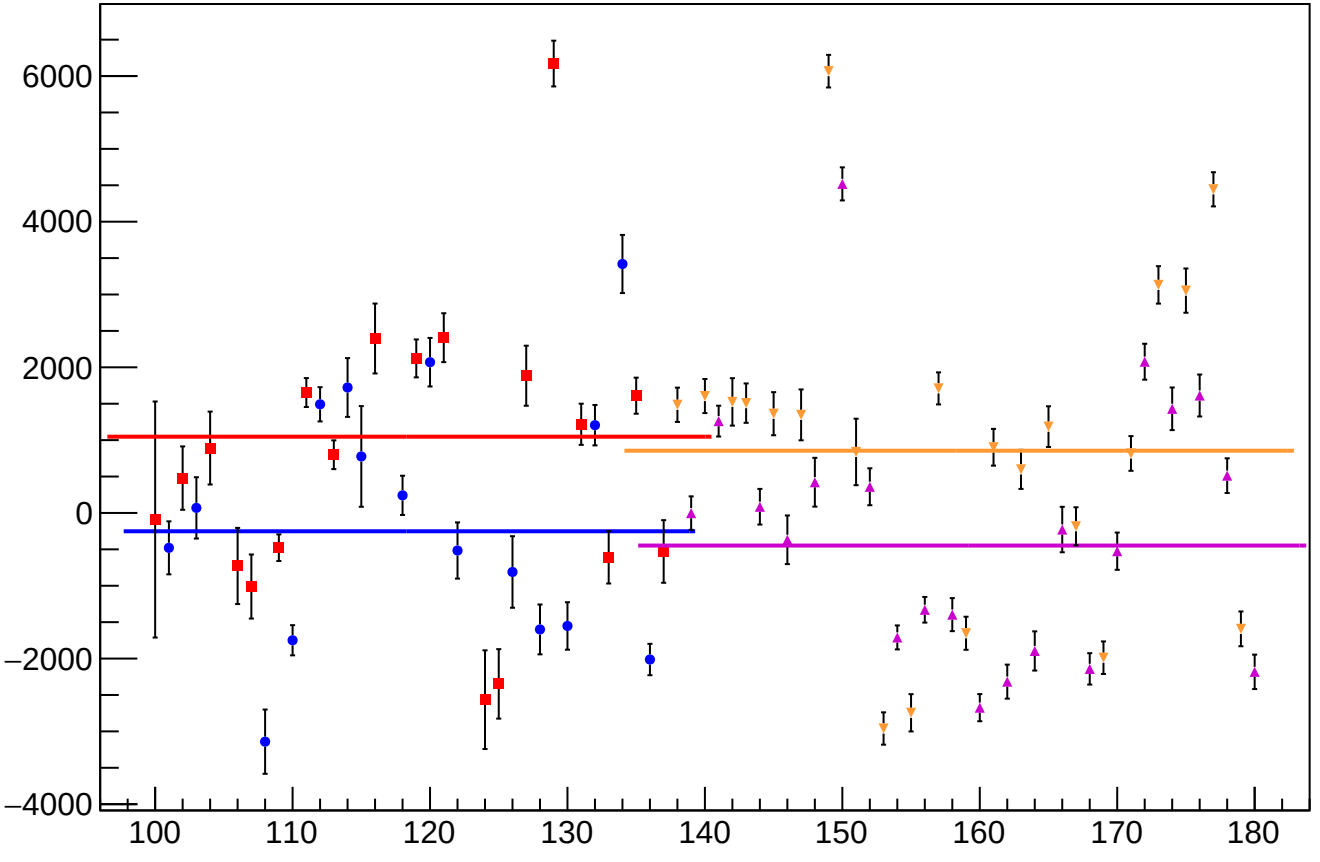
Left In: 198.274+/-0.035 χ^2/NDF:1005348.9/20

+ sign 209.121+/-0.031 χ^2/NDF: 1853900.1/37

All: 200.194+/-0.021 χ^2/NDF: 4536078.6/77

- 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: 854.679+/-54.581 χ^2/NDF:1854.7/21

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

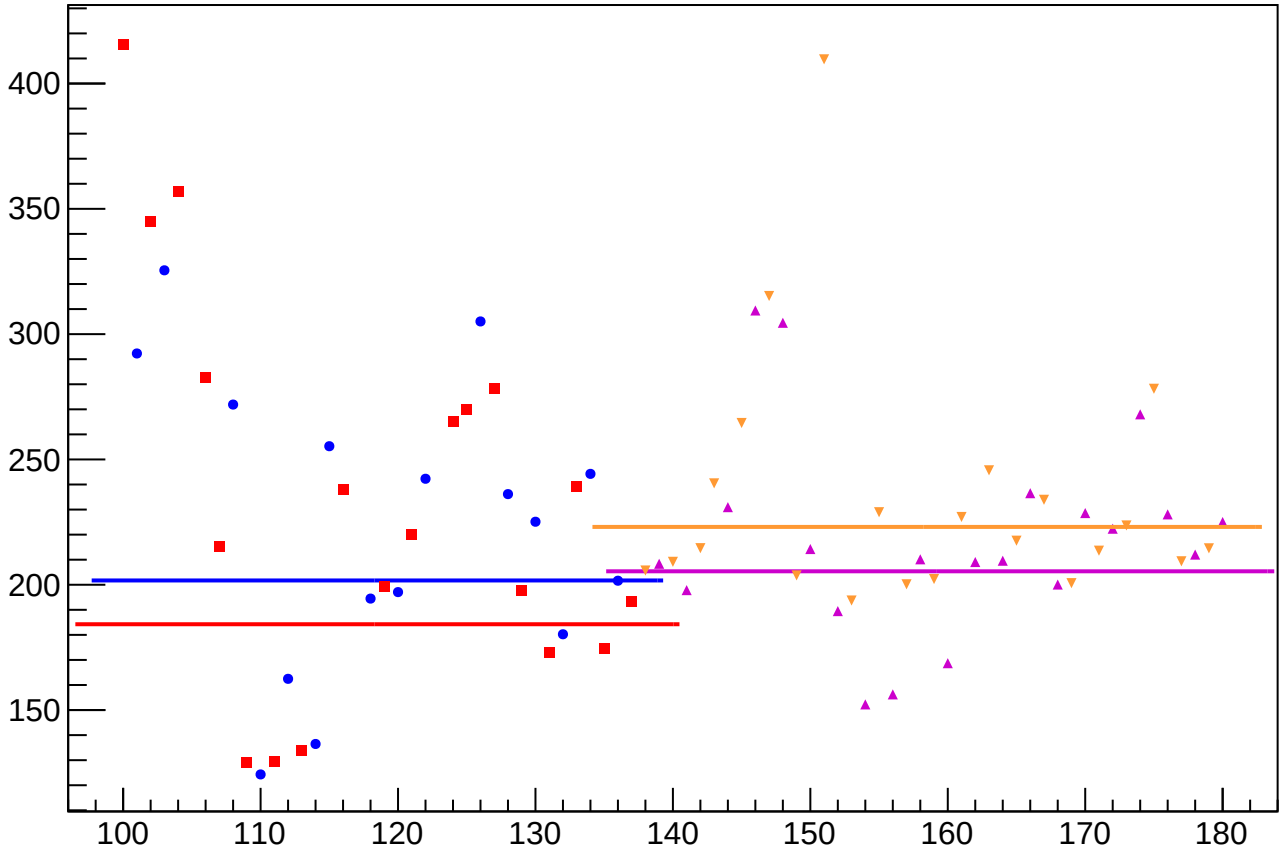
Left In: -447.808+/-51.113 χ^2/NDF:1235.1/20

+ sign 497.006+/-44.901 χ^2/NDF: 2428.8/37

All: 257.821+/-30.561 χ^2/NDF: 4549.1/77

- 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: 223.078+/-0.039 χ^2/NDF:746640.0/21

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

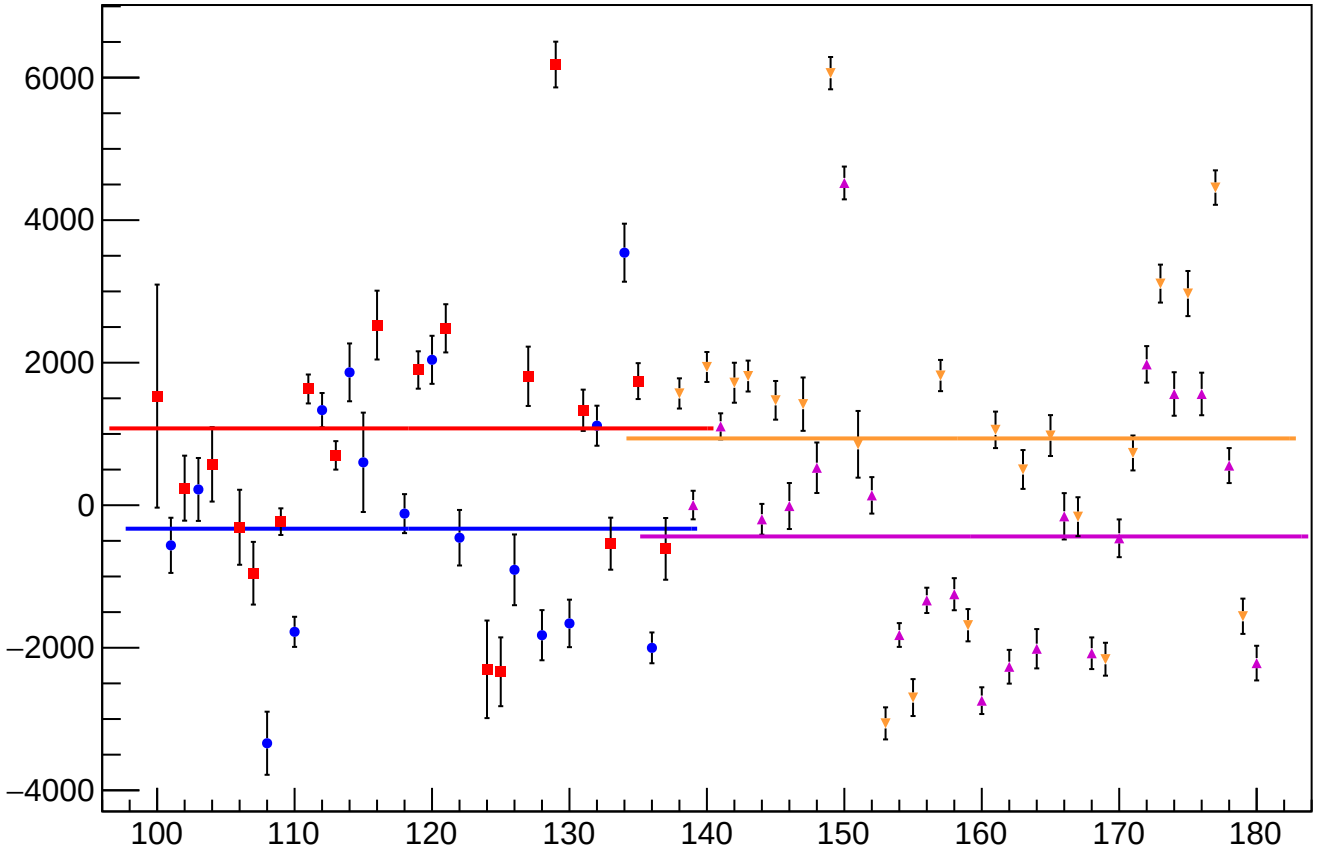
Left In: 205.369+/-0.036 χ^2/NDF:1013799.6/20

+ sign 216.172+/-0.032 χ^2/NDF: 1769903.2/37

All: 206.587+/-0.022 χ^2/NDF: 4471321.5/77

- 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: 937.214+/-53.778 χ^2/NDF:1856.8/21

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

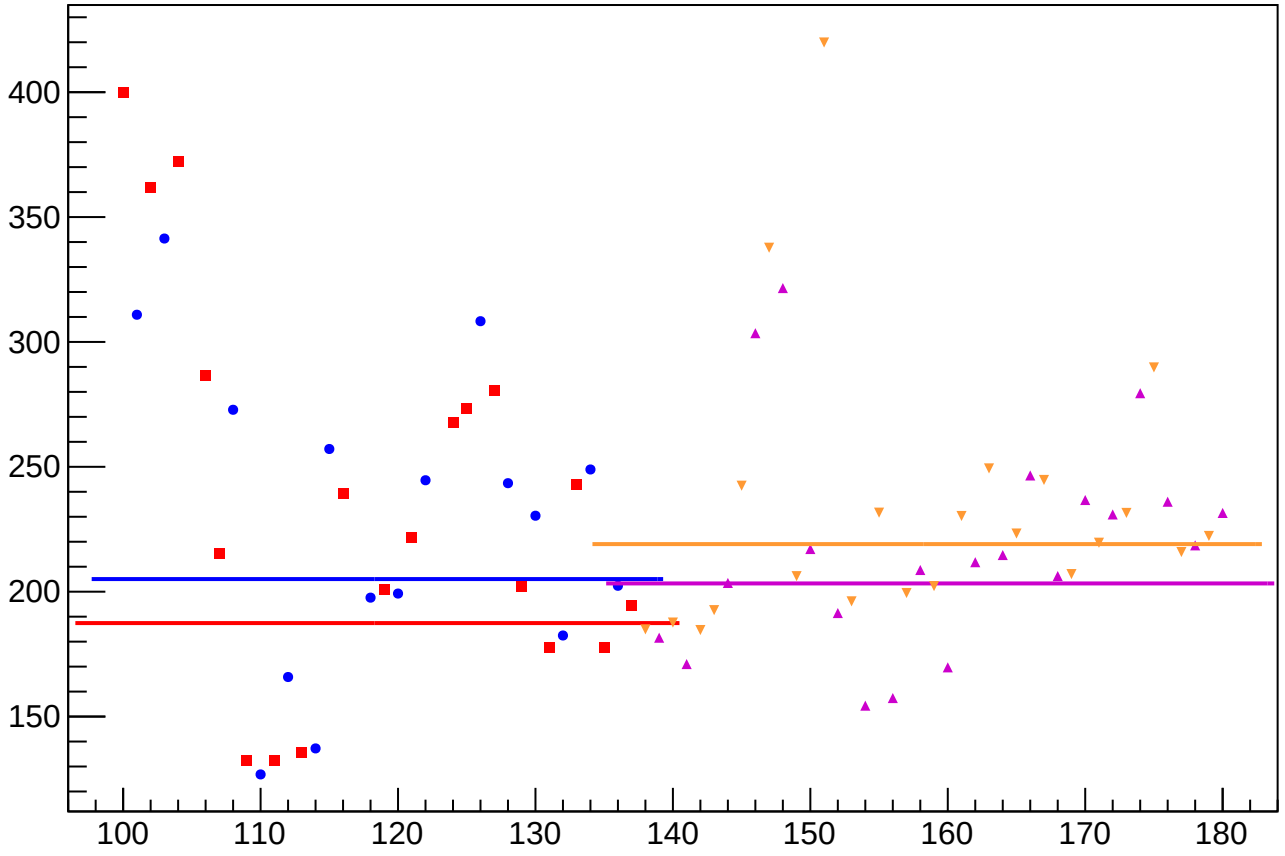
Left In: -438.186+/-50.674 χ^2/NDF:1208.3/20

\+ sign 545.479+/-44.695 χ^2/NDF: 2464.7/37

All: 281.201+/-30.491 χ^2/NDF: 4529.3/77

\- 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: 219.055+/-0.038 χ^2/NDF:956451.9/21

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

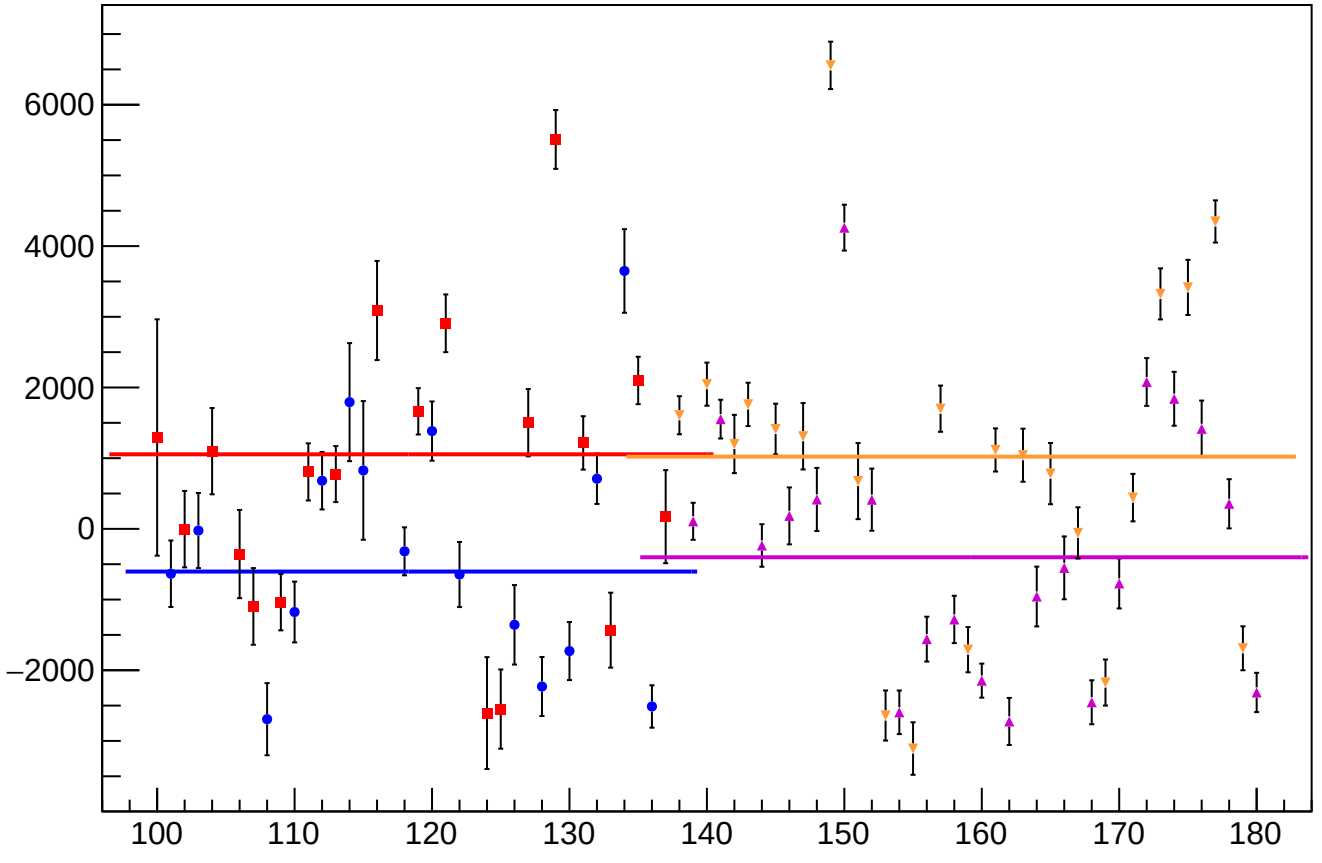
Left In: 203.306+/-0.036 χ^2/NDF:1163681.7/20

+ sign 214.724+/-0.032 χ^2/NDF: 1961437.1/37

All: 205.881+/-0.022 χ^2/NDF: 4745729.2/77

- 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: 1021.585+/-73.543 χ^2/NDF:990.7/21

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

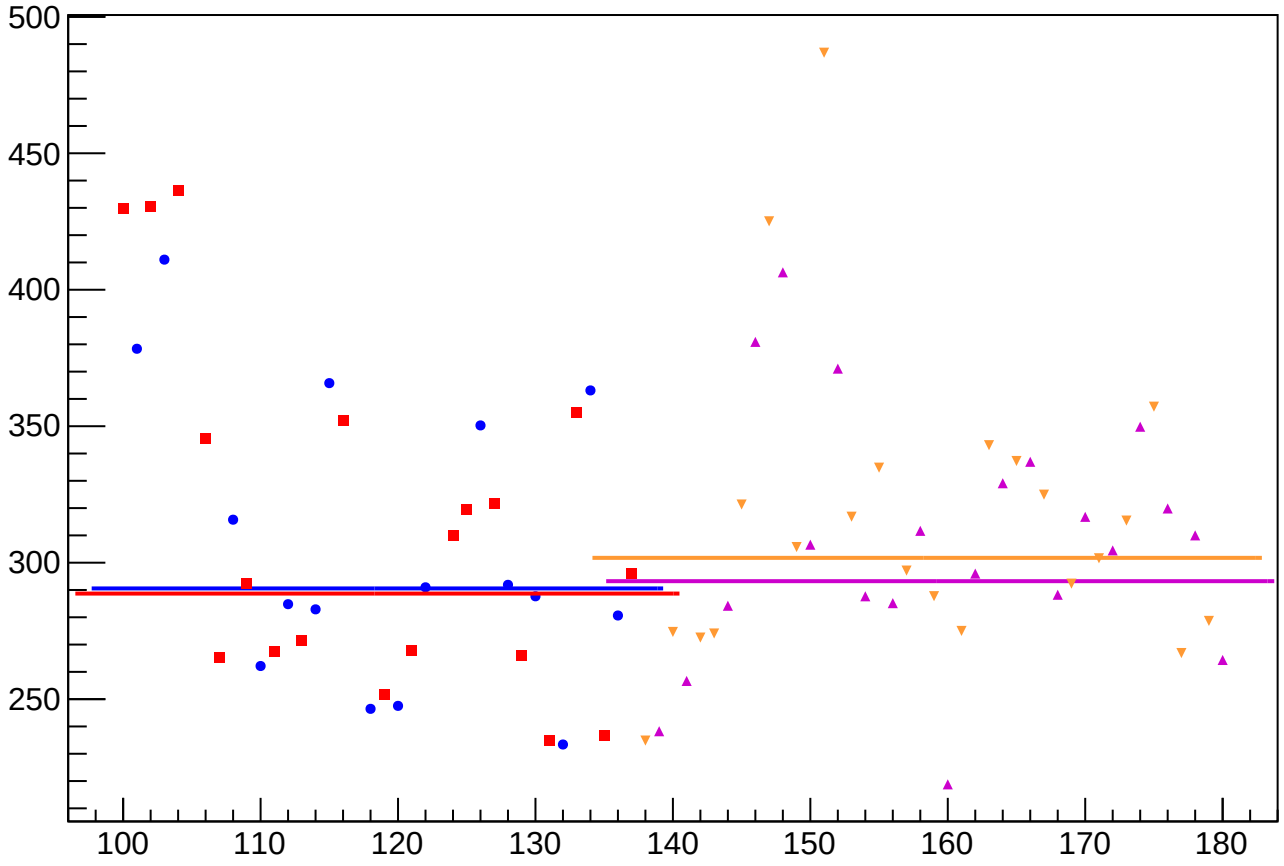
Left In: -401.963+/-72.079 χ^2/NDF:649.9/20

+ sign 523.819+/-61.256 χ^2/NDF: 1333.9/37

All: 279.629+/-42.863 χ^2/NDF: 2438.0/77

- 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: 301.774+/-0.052 χ^2/NDF:714119.7/21

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

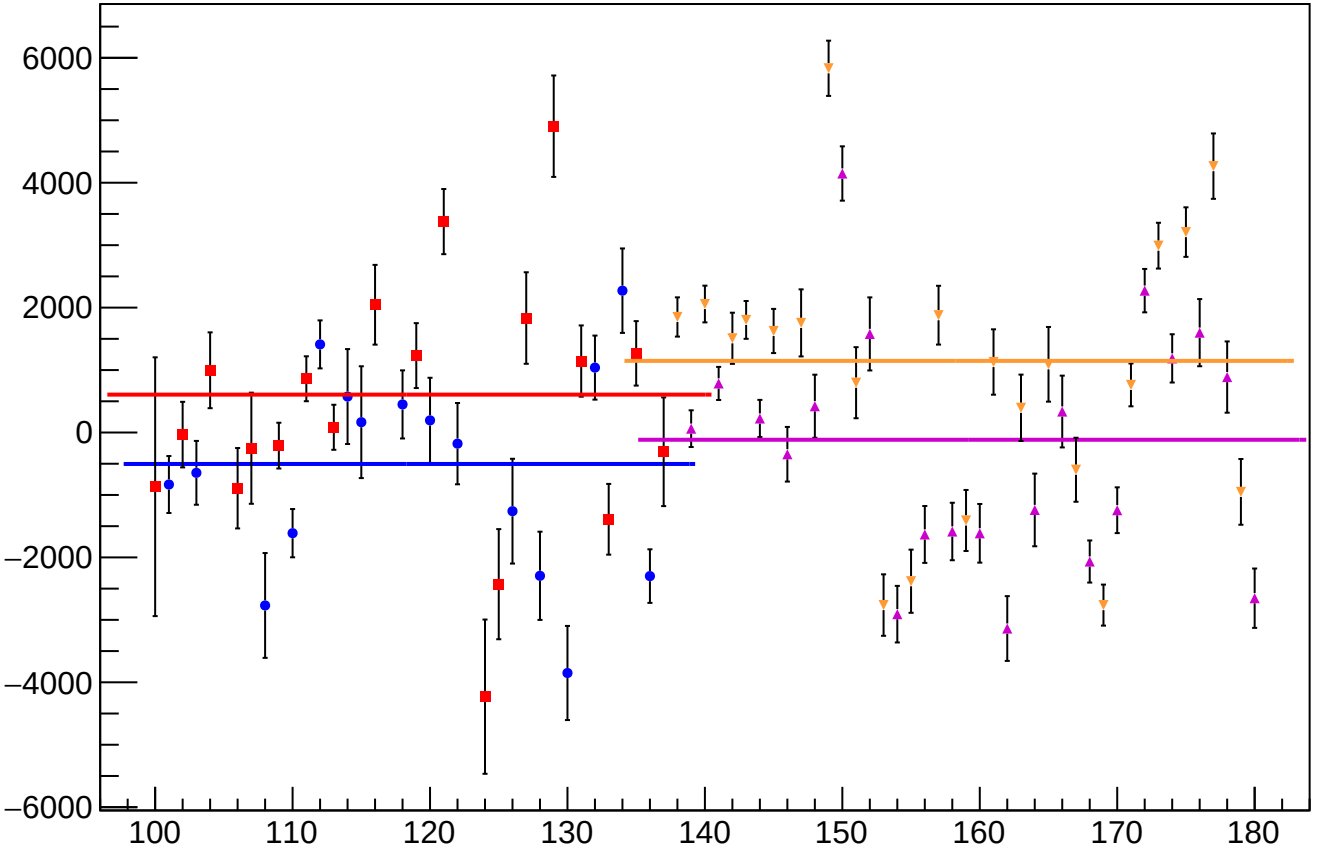
Left In: 293.229+/-0.051 χ^2/NDF:738621.3/20

+ sign 298.342+/-0.043 χ^2/NDF: 1088151.0/37

All: 295.020+/-0.030 χ^2/NDF: 2329829.4/77

- sign 291.833+/-0.042 χ^2/NDF: 1230155.7/39

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1147.237+/-88.536 χ^2/NDF:537.7/21

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

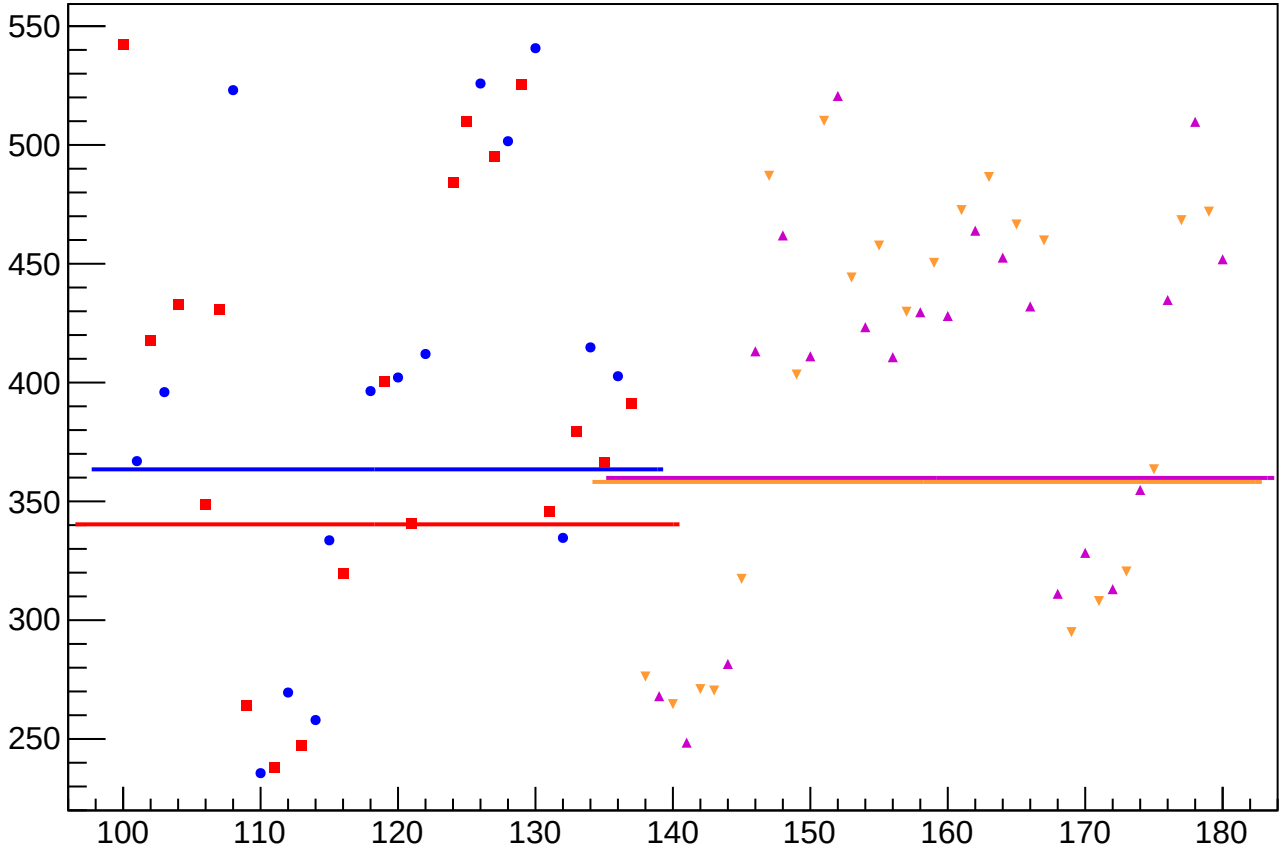
Left In: -116.033+/-89.347 χ^2/NDF:370.2/20

+ sign 675.886+/-74.837 χ^2/NDF: 755.2/37

All: 391.560+/-52.461 χ^2/NDF: 1300.0/77

- 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: 358.188+/-0.063 χ^2/NDF:1834865.9/21

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

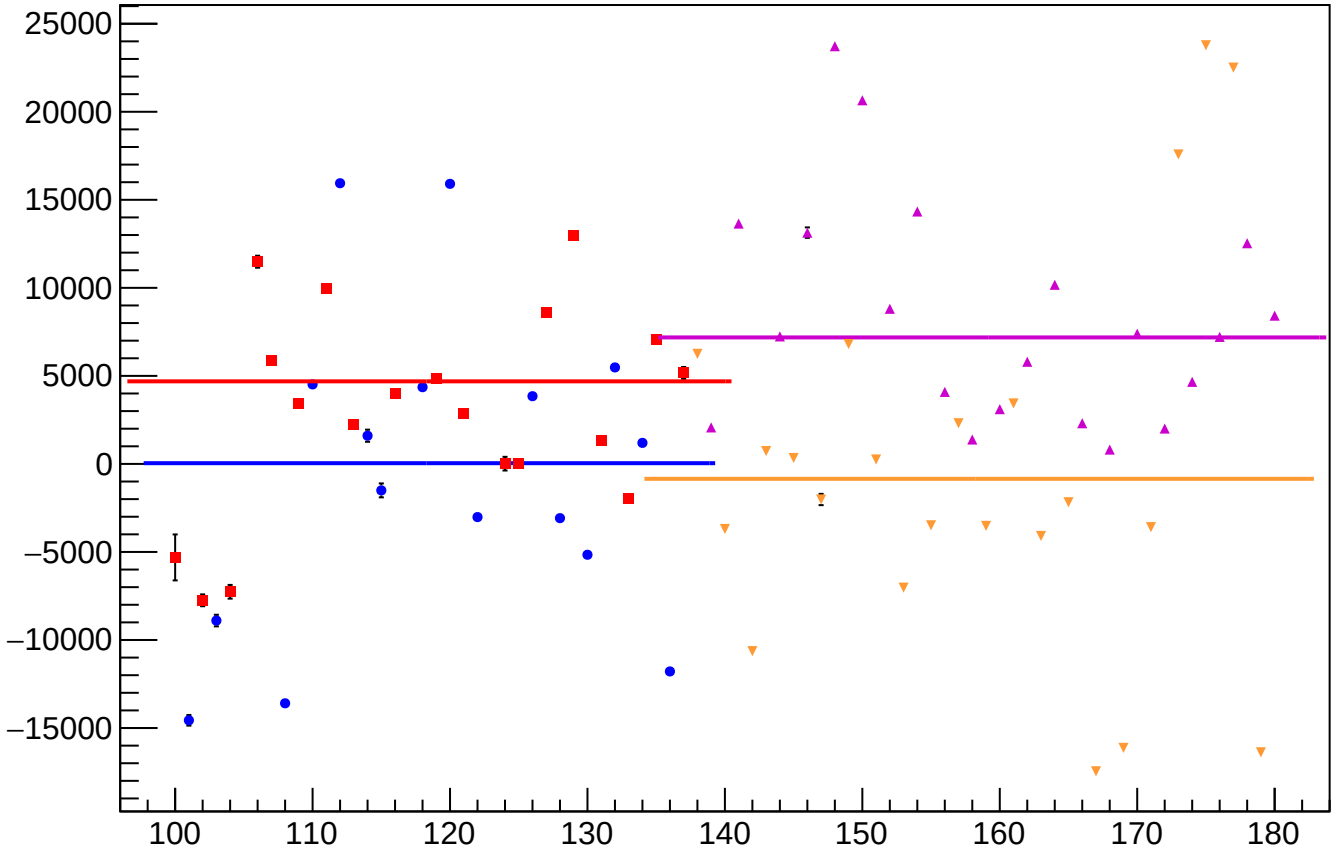
Left In: 359.861+/-0.063 χ^2/NDF:1636990.4/20

+ sign 359.697+/-0.053 χ^2/NDF: 2617792.0/37

All: 356.581+/-0.037 χ^2/NDF: 5148608.6/77

- 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: -846.860+/-42.227 χ^2/NDF:57576.4/21

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

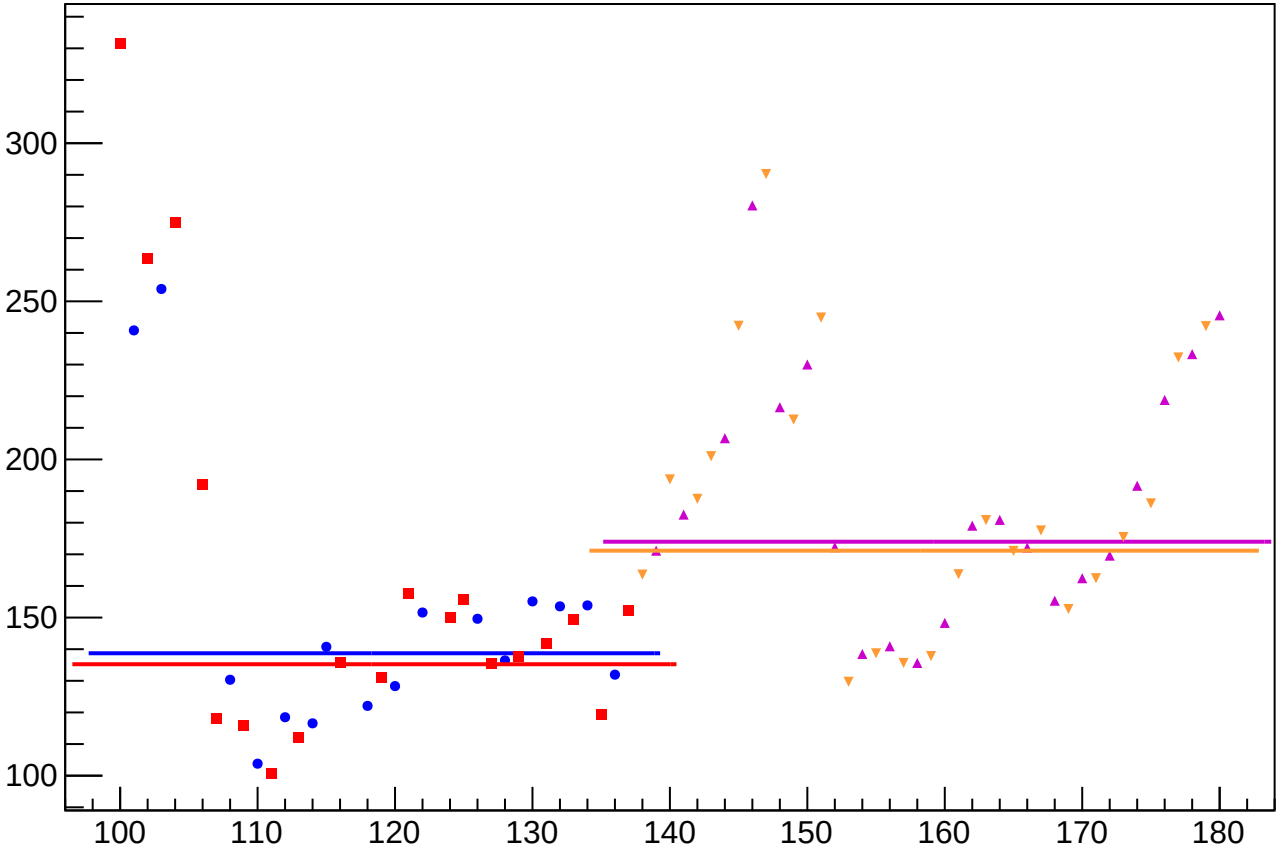
Left In: 7184.077+/-43.337 χ^2/NDF:18197.5/20

+ sign -511.519+/-33.310 χ^2/NDF: 88529.7/37

All: 2825.632+/-23.556 χ^2/NDF: 135954.6/77

- 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: 171.151+/-0.030 χ^2/NDF:1442199.1/21

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

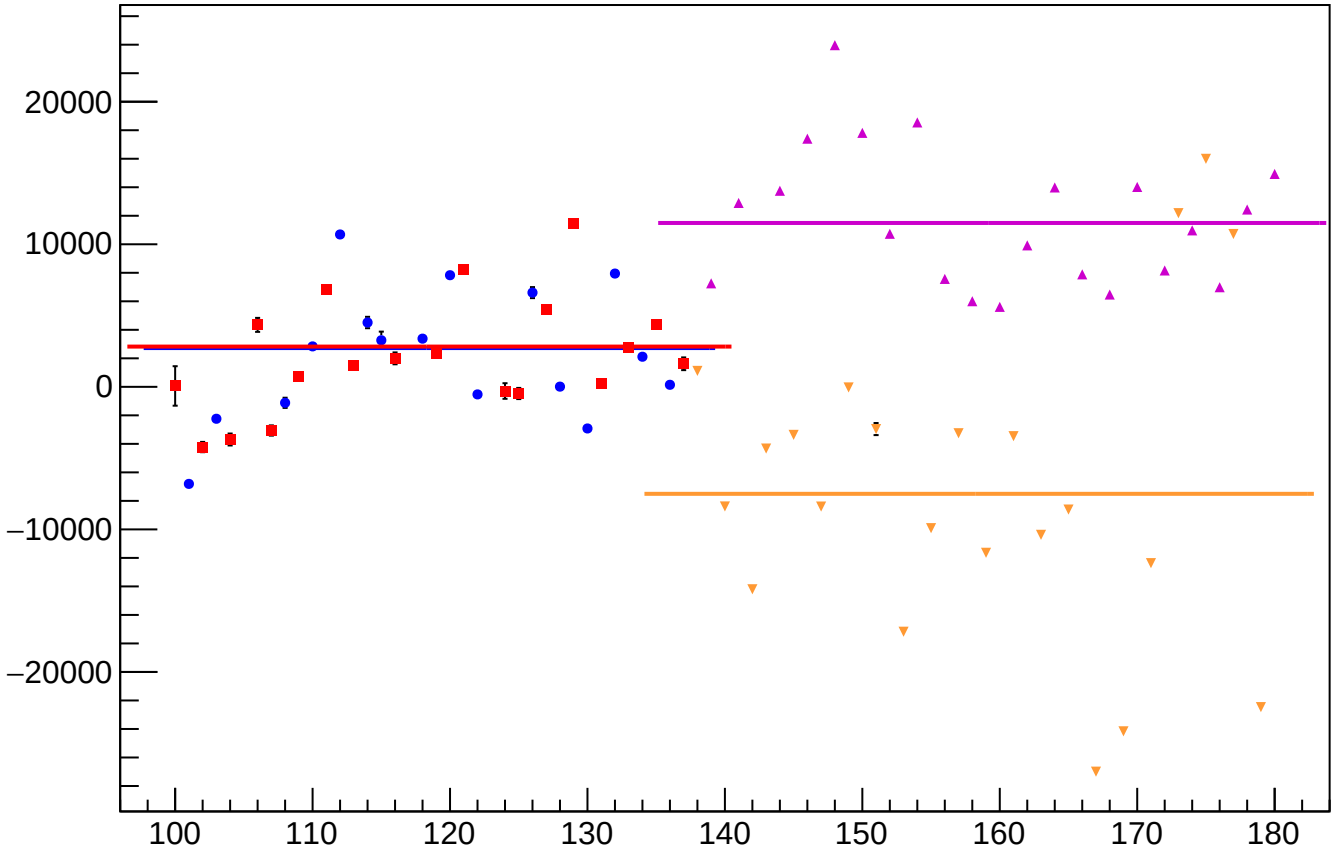
Left In: 173.984+/-0.031 χ^2/NDF:1223691.1/20

\+ sign 158.898+/-0.024 χ^2/NDF: 2545812.9/37

All: 158.519+/-0.017 χ^2/NDF: 5313658.6/77

\- 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: -7505.069+/-48.470 χ^2/NDF:50251.5/21

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

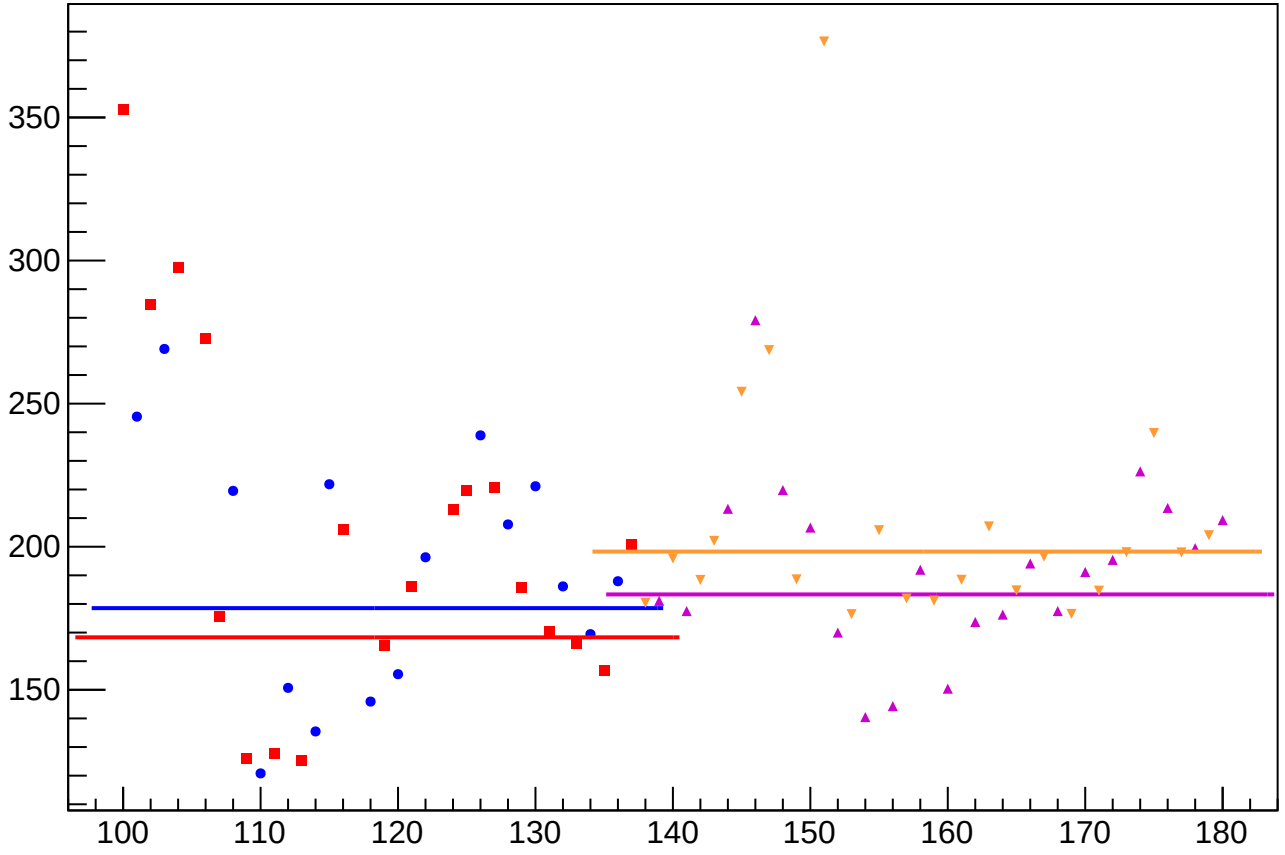
Left In: 11494.868+/-45.463 χ^2/NDF:11122.7/20

+ sign -4142.719+/-39.709 χ^2/NDF: 69014.4/37

All: 2659.446+/-27.158 χ^2/NDF: 150319.5/77

- 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: 198.300+/-0.034 χ^2/NDF:718205.4/21

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

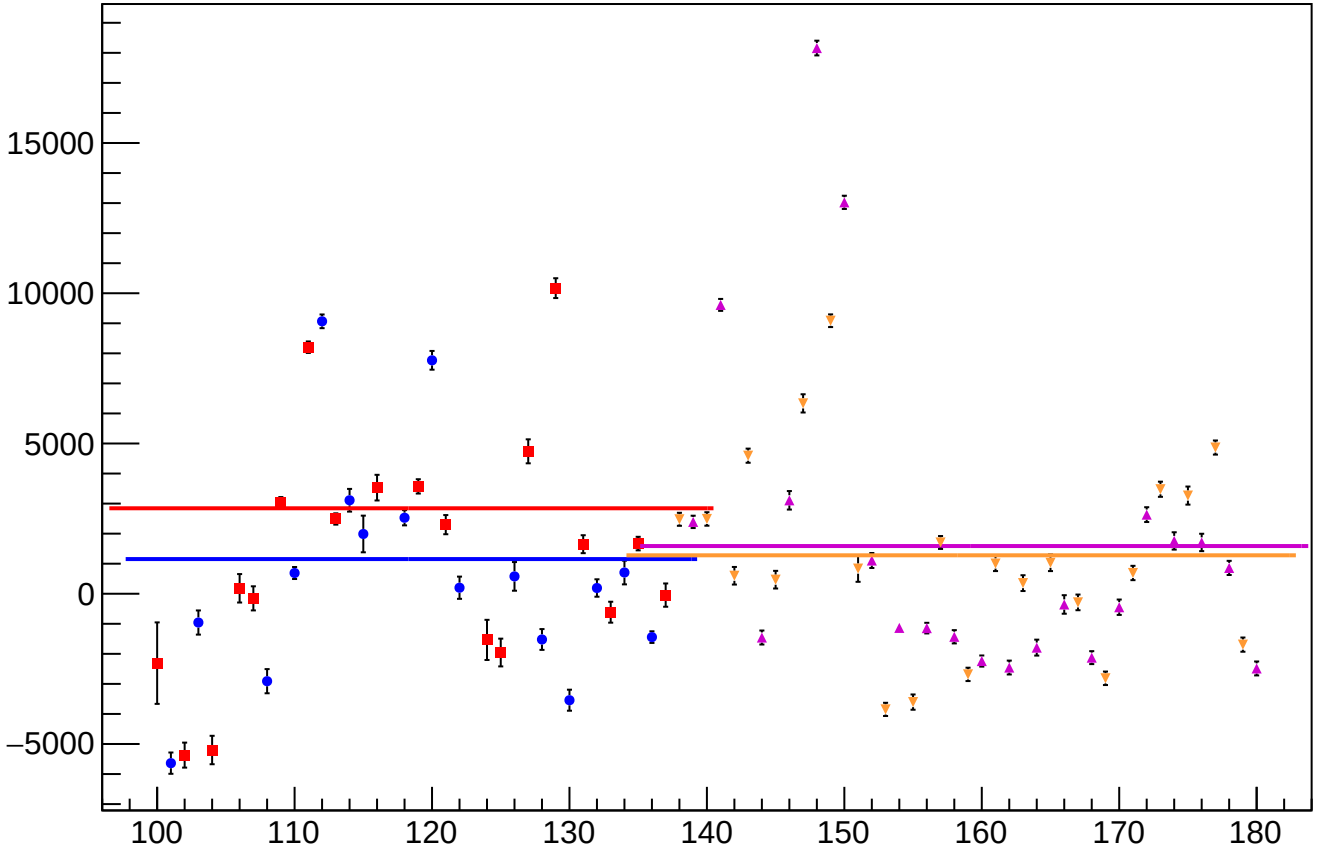
Left In: 183.332+/-0.032 χ^2/NDF:822256.1/20

+ sign 191.803+/-0.028 χ^2/NDF: 1502065.4/37

All: 184.664+/-0.019 χ^2/NDF: 3496969.5/77

- 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: 1279.102+/-52.896 χ^2/NDF:4053.4/21

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

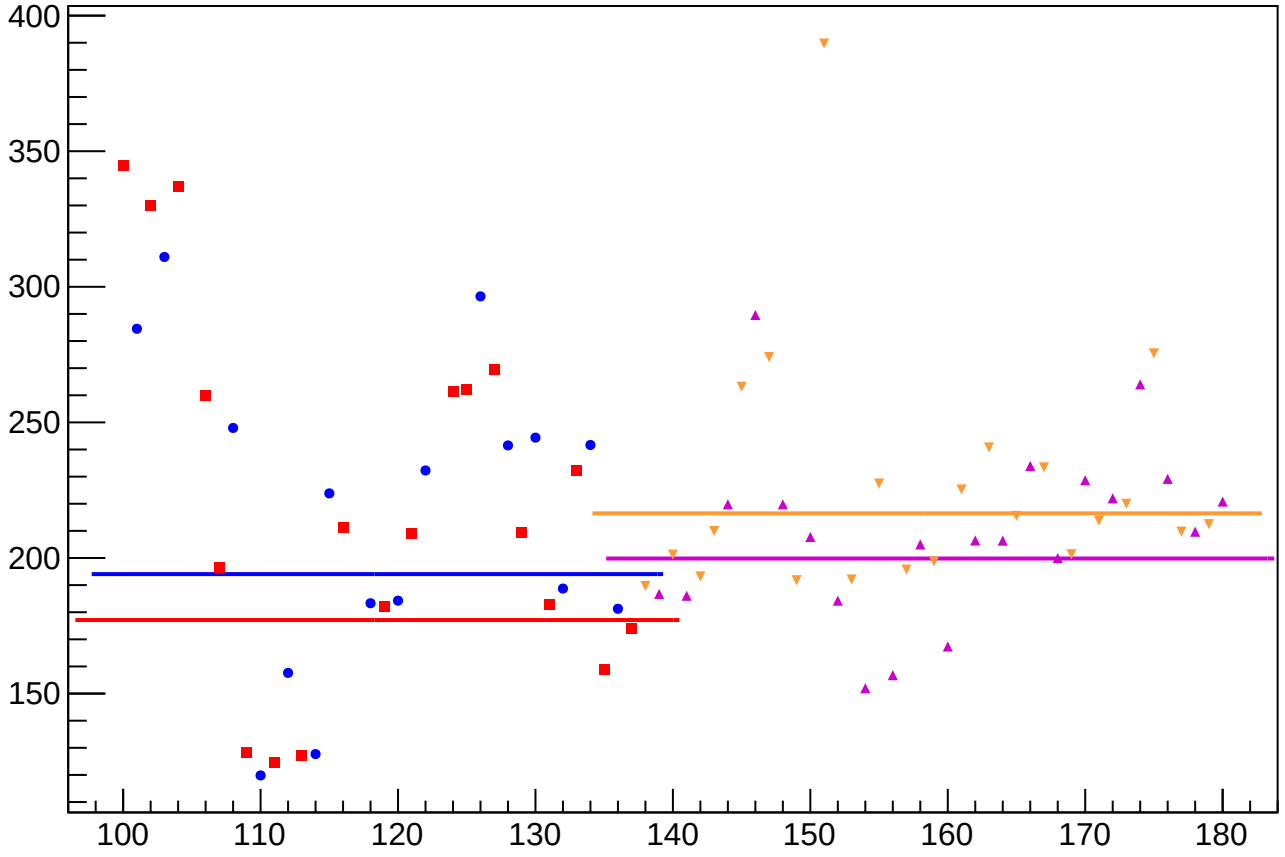
Left In: 1587.403+/-49.552 χ^2/NDF:11432.6/20

+ sign 1238.188+/-43.407 χ^2/NDF: 6710.6/37

All: 1654.973+/-29.524 χ^2/NDF: 20986.1/77

- 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: 216.457+/-0.037 χ^2/NDF:691287.4/21

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

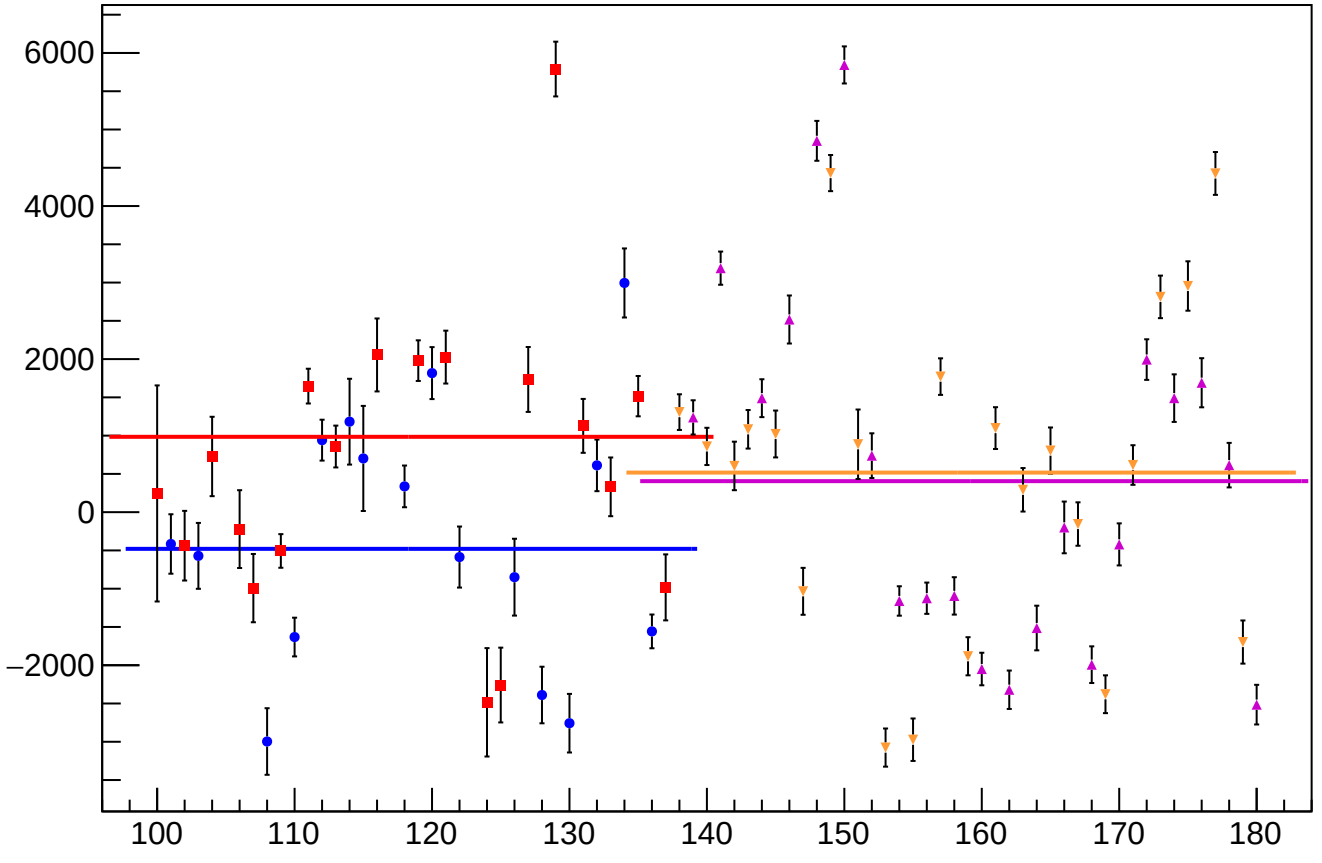
Left In: 199.804+/-0.035 χ^2/NDF:784823.8/20

+ sign 209.140+/-0.031 χ^2/NDF: 1774249.5/37

All: 199.986+/-0.021 χ^2/NDF: 4226249.6/77

- 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: 517.351+/-58.102 χ^2/NDF:1340.0/21

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

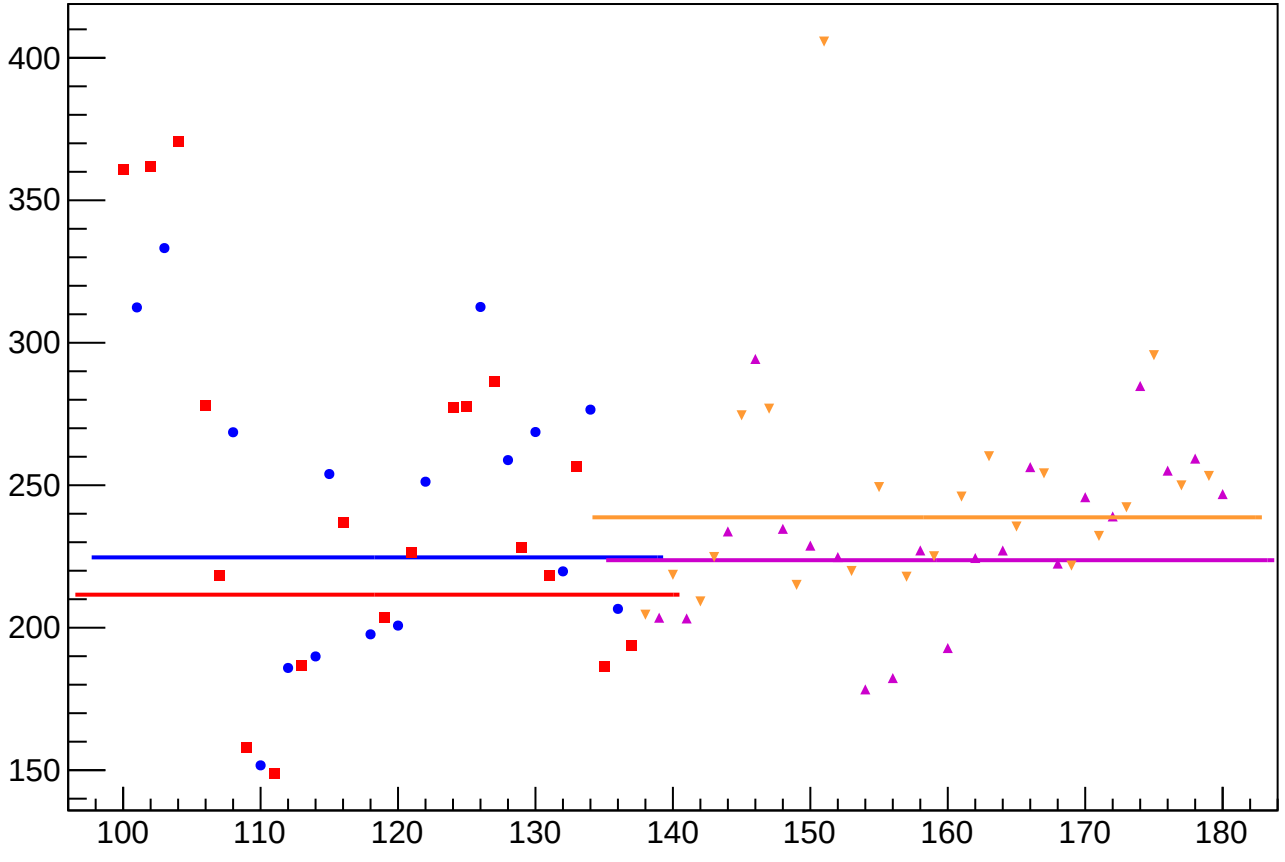
Left In: 405.305+/-55.120 χ^2/NDF:1798.1/20

+ sign 208.400+/-48.263 χ^2/NDF: 1736.6/37

All: 409.547+/-33.130 χ^2/NDF: 4000.7/77

- 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: 238.741+/-0.041 χ^2/NDF:565629.4/21

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

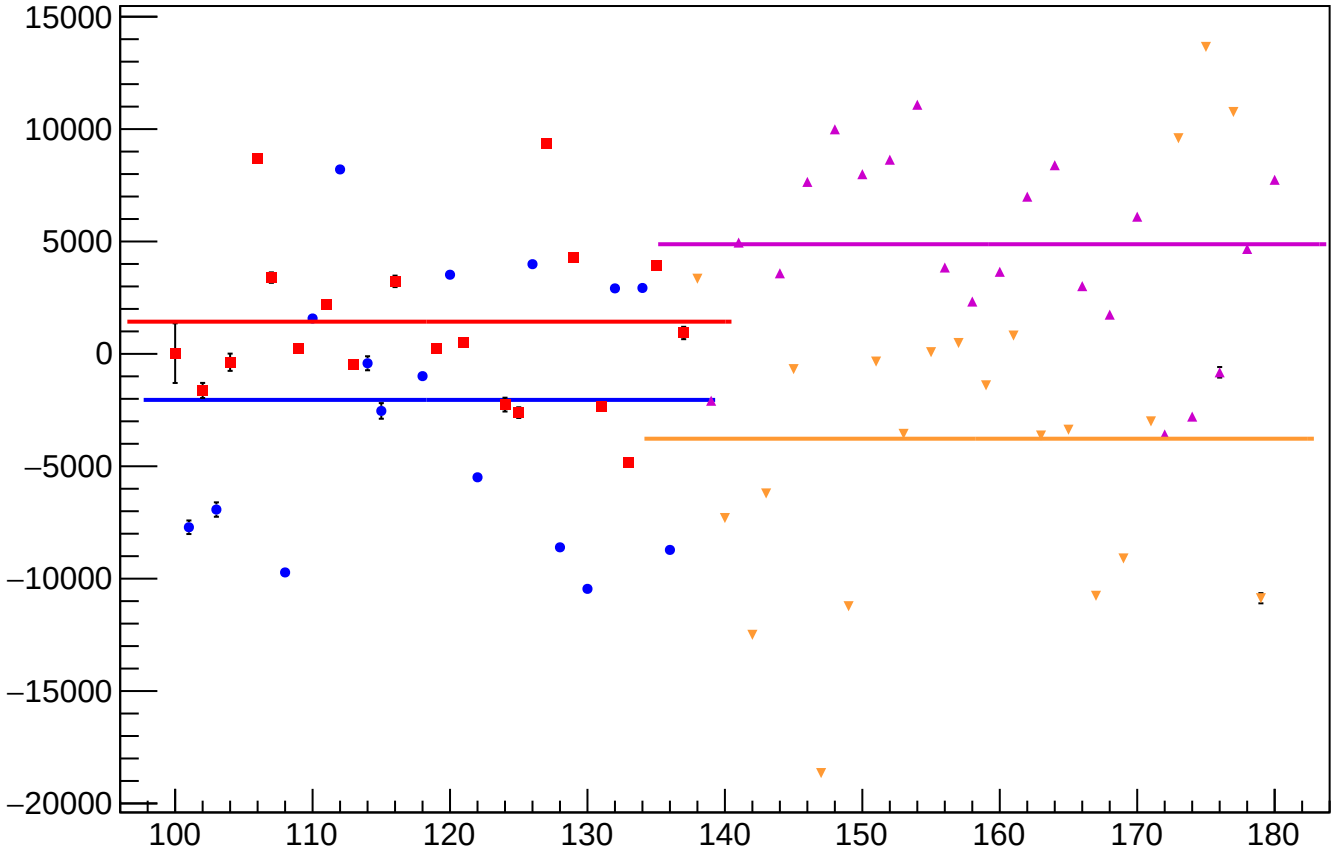
Left In: 223.694+/-0.039 χ^2/NDF:560061.0/20

+ sign 234.383+/-0.034 χ^2/NDF: 1255121.0/37

All: 226.704+/-0.023 χ^2/NDF: 2874364.7/77

- 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: -3773.721+/-31.583 χ^2/NDF:52608.2/21

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

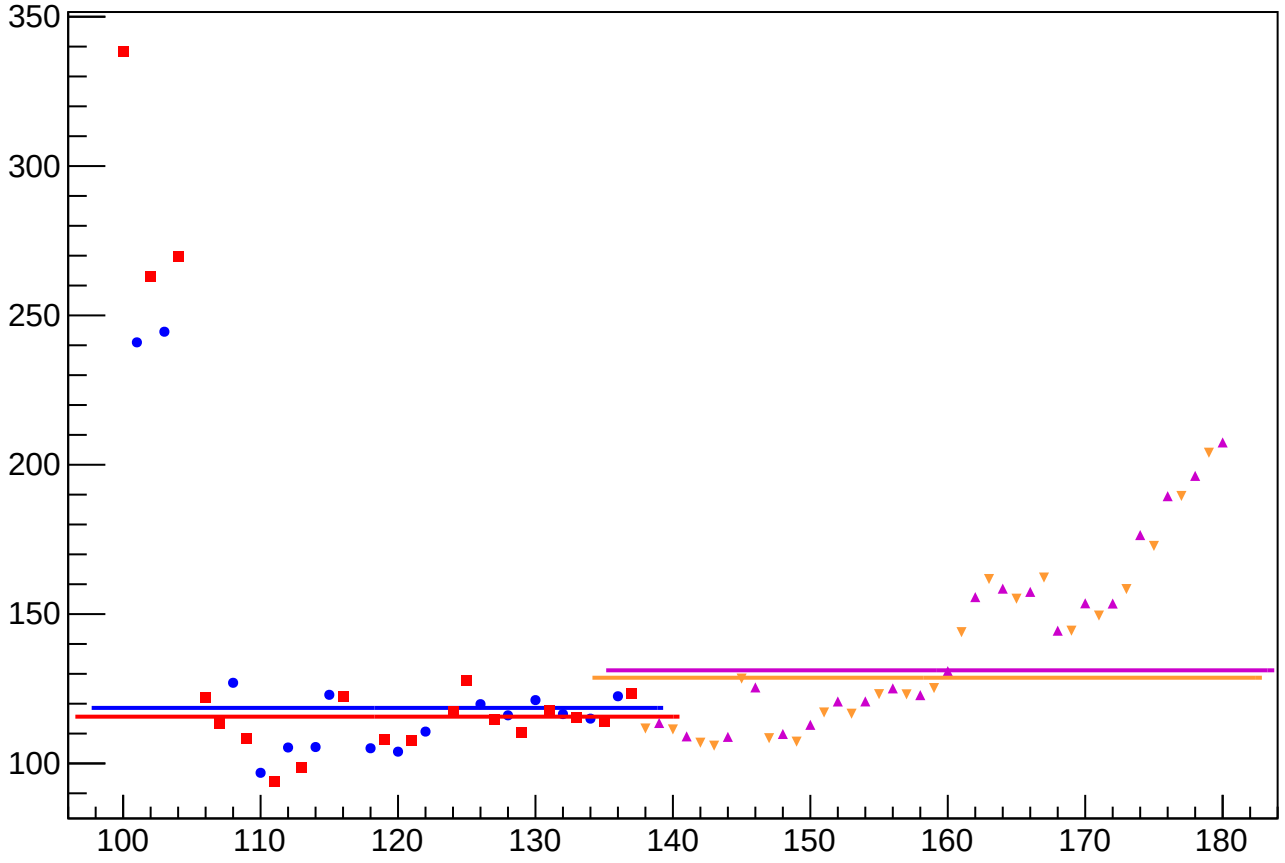
Left In: 4877.883+/-32.422 χ^2/NDF:15405.5/20

+ sign -3232.242+/-26.166 χ^2/NDF: 70254.5/37

All: 218.260+/-18.532 χ^2/NDF: 130830.1/77

- 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: 128.698+/-0.022 χ^2/NDF:1132841.8/21

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

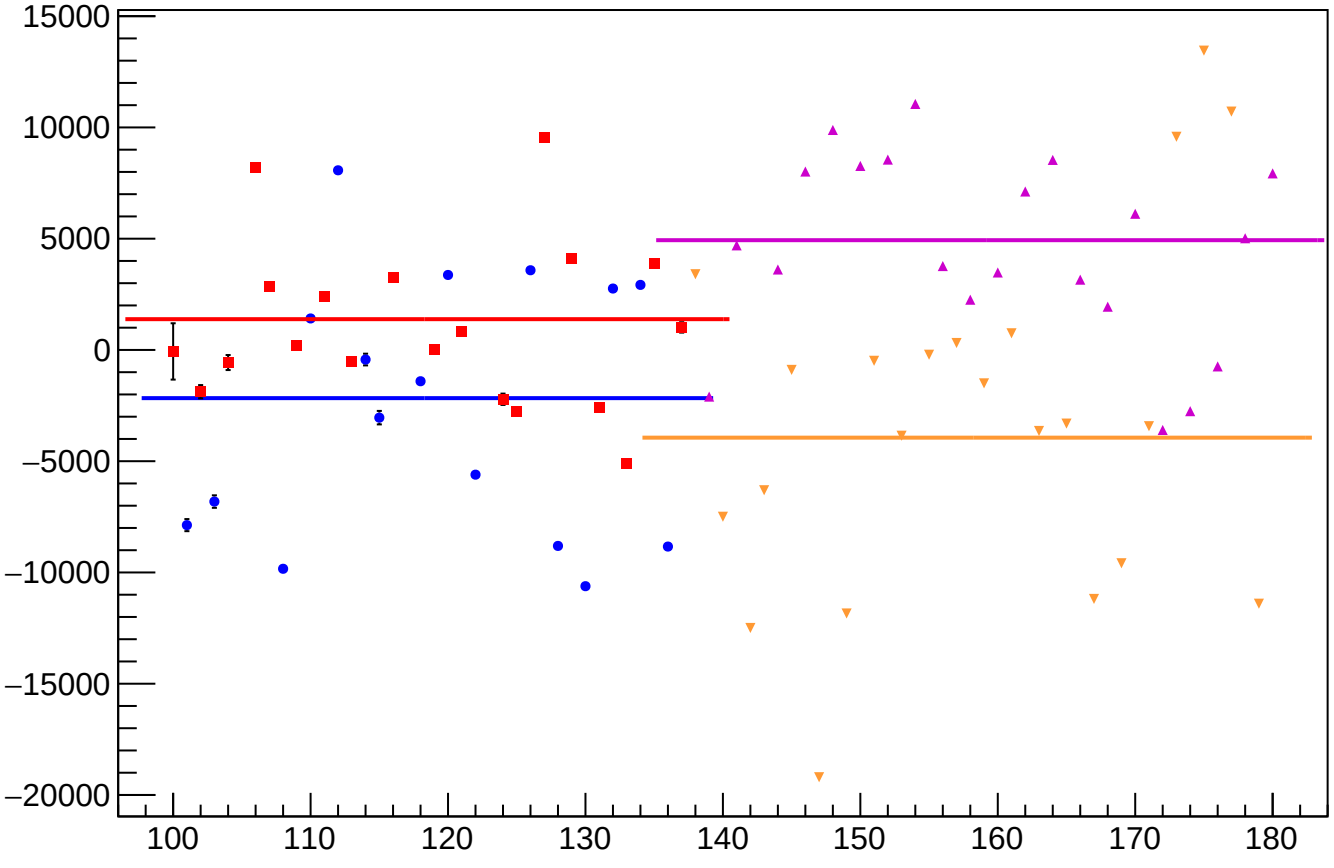
Left In: 131.177+/-0.023 χ^2/NDF:1174576.7/20

+ sign 125.529+/-0.019 χ^2/NDF: 1931174.4/37

All: 125.680+/-0.013 χ^2/NDF: 4127886.9/77

- 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: -3941.565+/-28.617 χ^2/NDF:62081.6/21

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

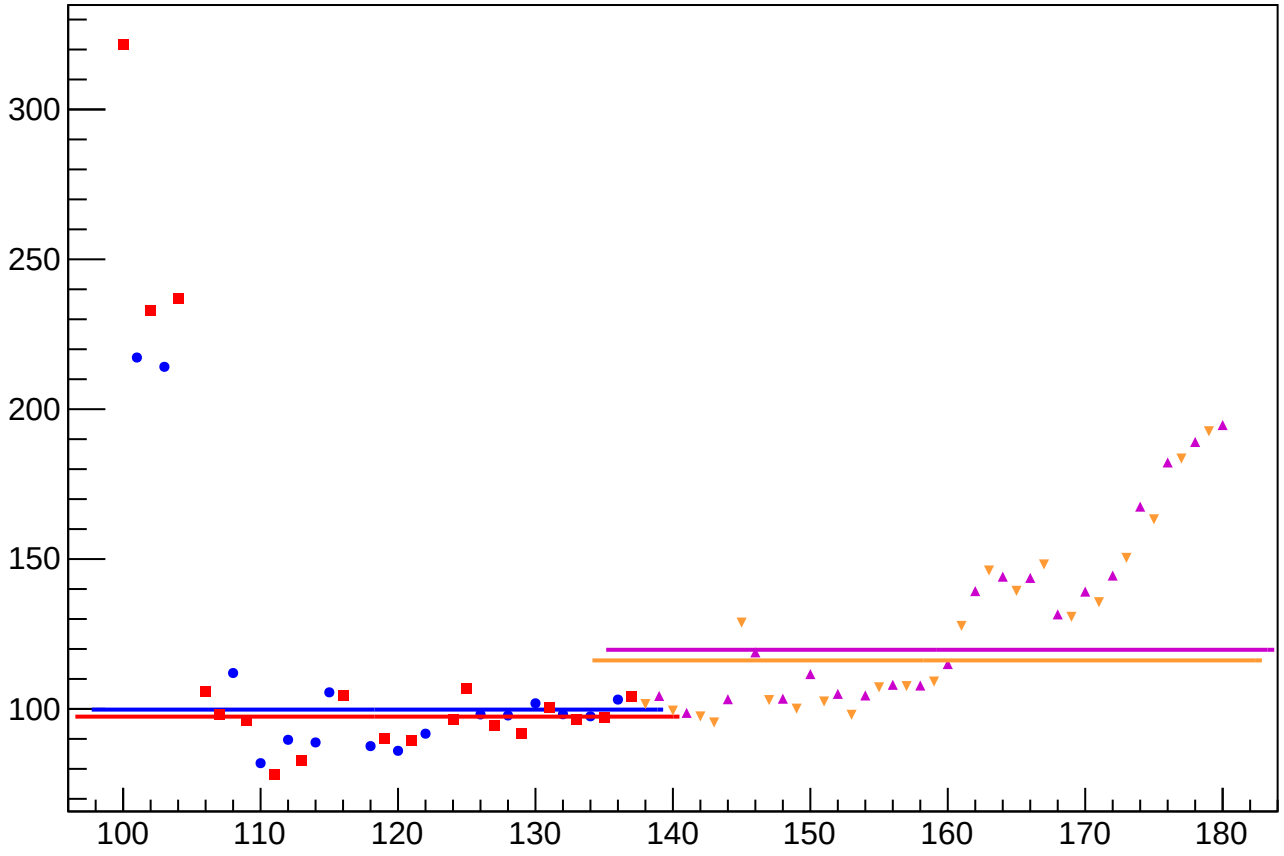
Left In: 4932.652+/-29.665 χ^2/NDF:18344.8/20

+ sign -3333.043+/-23.201 χ^2/NDF: 86275.9/37

All: 100.957+/-16.468 χ^2/NDF: 163346.3/77

- 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: 116.184+/-0.020 χ^2/NDF:1309446.4/21

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

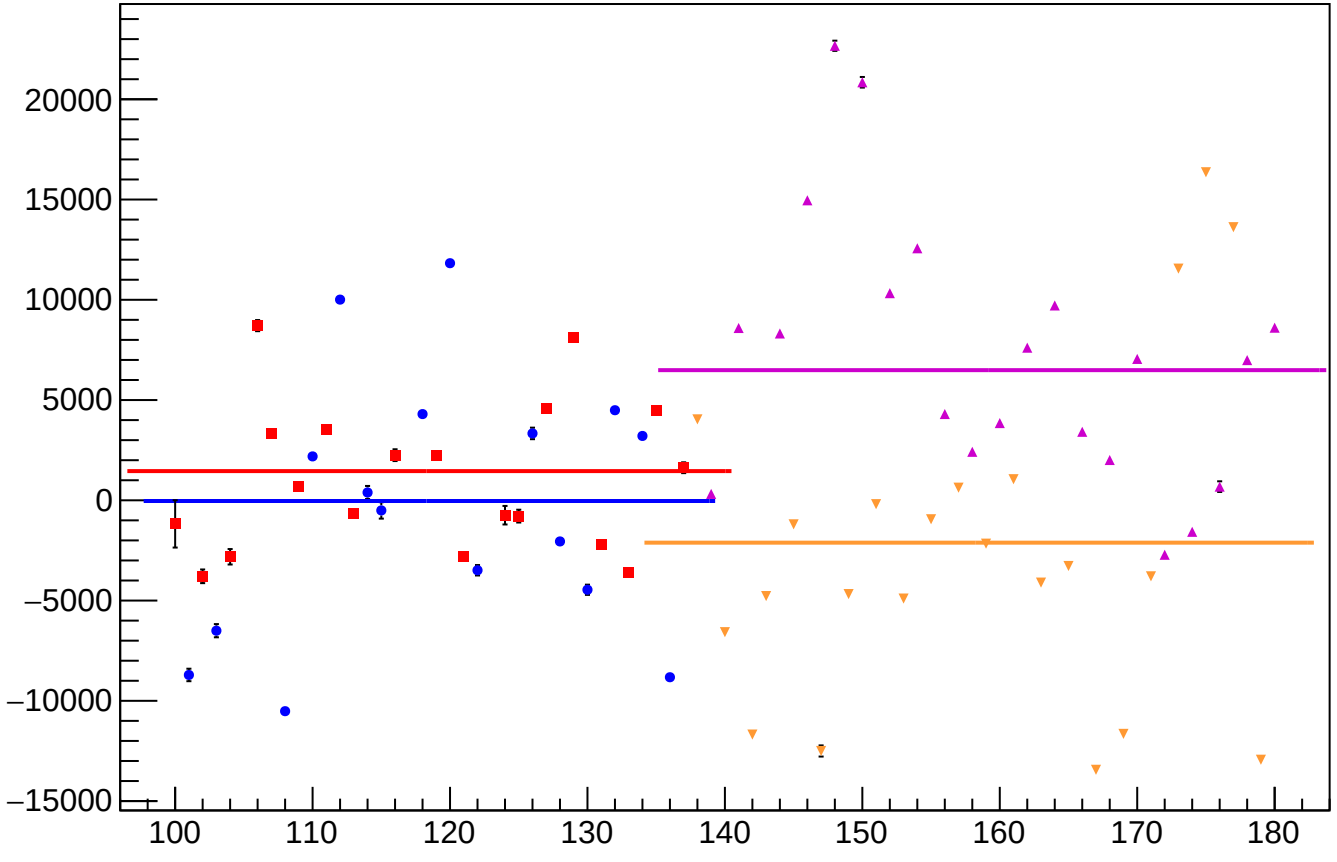
Left In: 119.733+/-0.021 χ^2/NDF:1281794.0/20

+ sign 110.560+/-0.016 χ^2/NDF: 2343961.0/37

All: 110.918+/-0.012 χ^2/NDF: 4981276.3/77

- 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: -2112.083+/-39.445 χ^2/NDF:31230.4/21

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

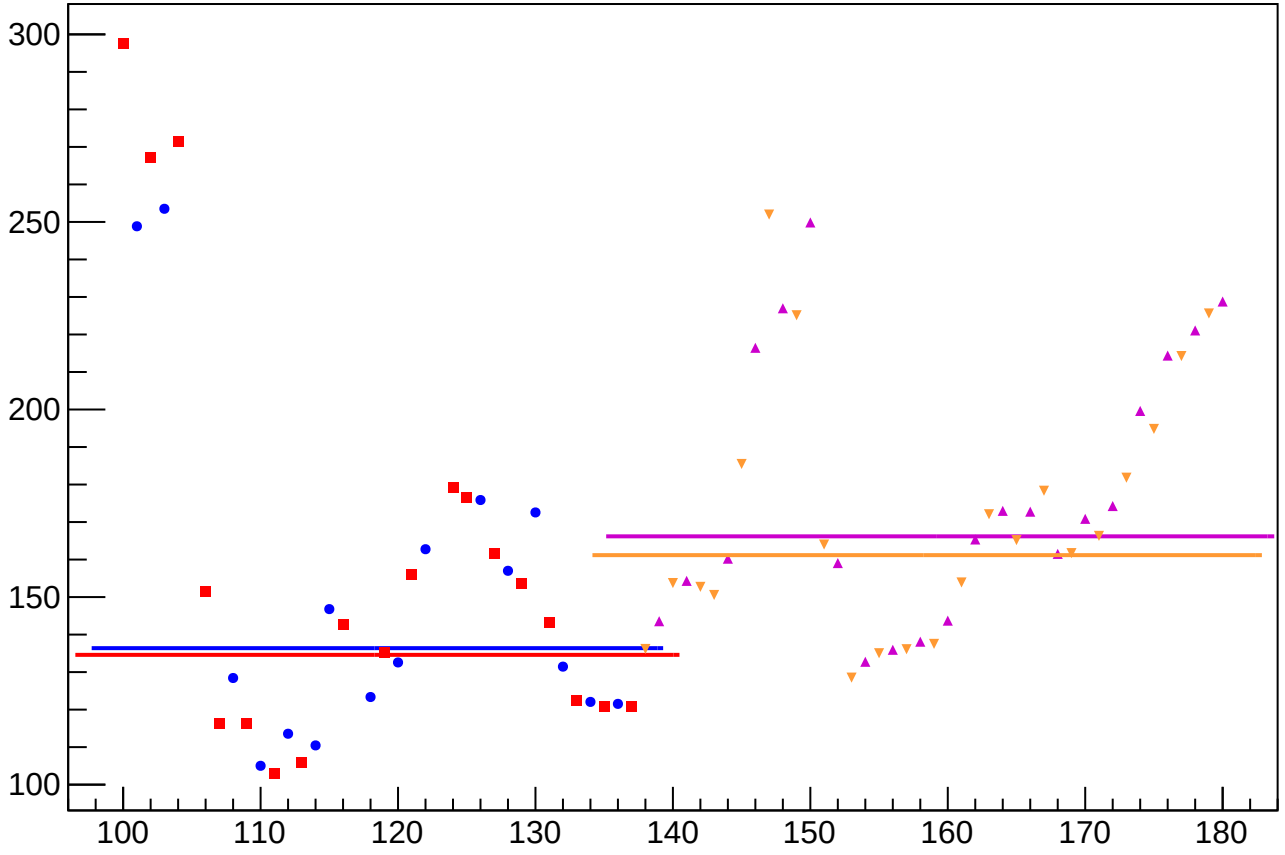
Left In: 6491.027+/-41.047 χ^2/NDF:18944.3/20

+ sign -1379.874+/-31.742 χ^2/NDF: 49010.8/37

All: 1544.870+/-22.607 χ^2/NDF: 95085.1/77

- 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: 161.179+/-0.028 χ^2/NDF:1041140.5/21

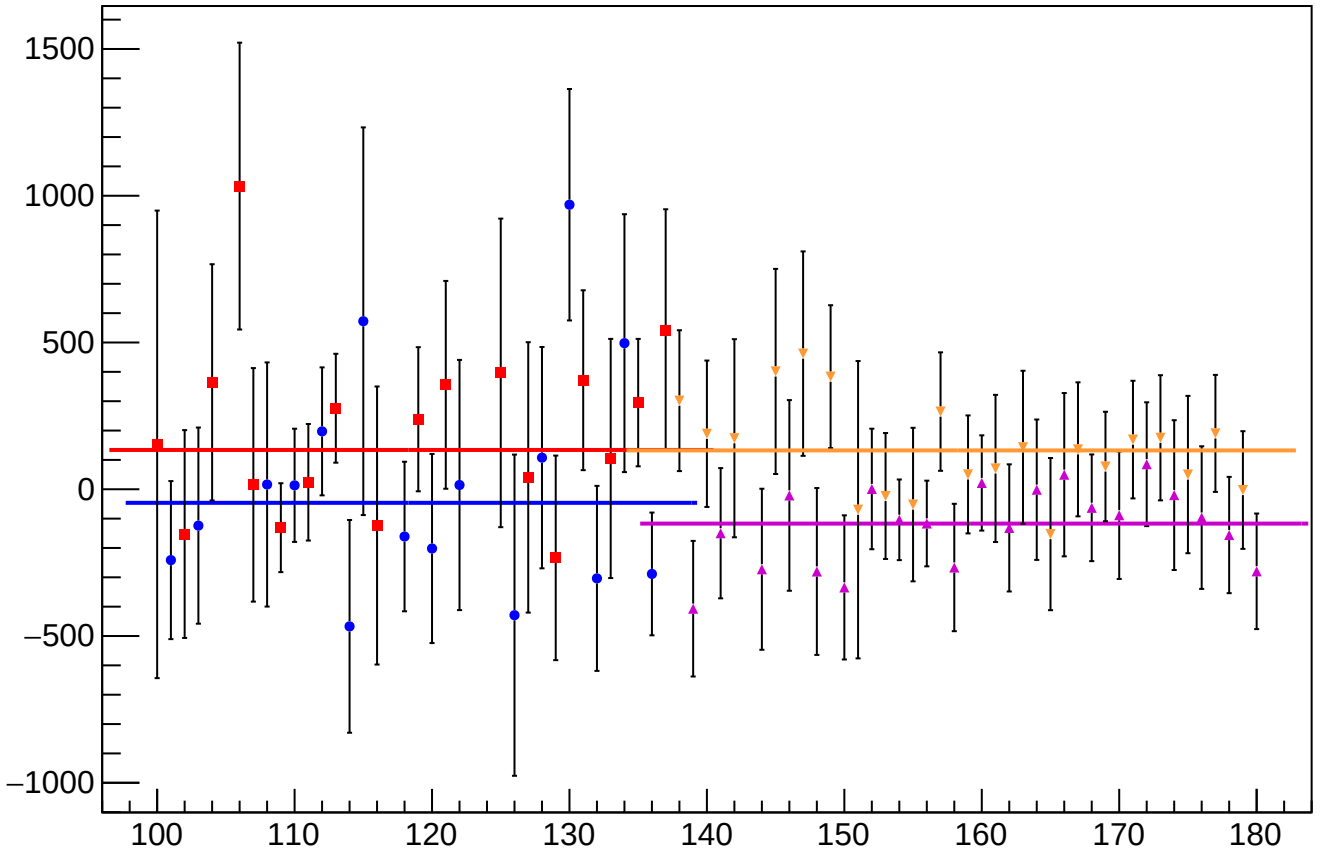
Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 166.192+/-0.029 χ^2/NDF:1125250.1/20

+ sign 152.440+/-0.022 χ^2/NDF: 2116550.1/37

All: 153.232+/-0.016 χ^2/NDF: 4619368.5/77

- 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: 132.345+/-52.028 χ^2/NDF:7.0/20

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

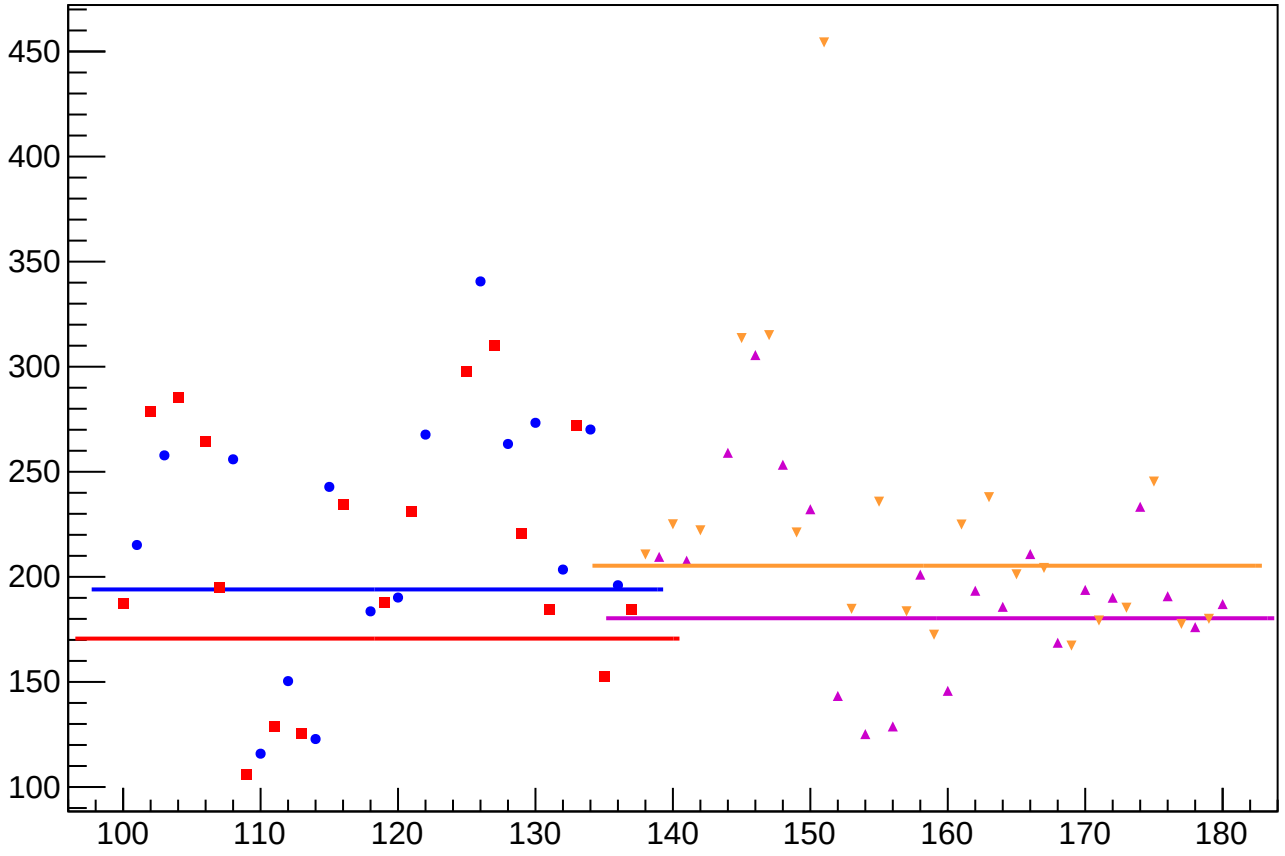
Left In: -117.002+/-45.506 χ^2/NDF:7.2/20

+ sign 75.660+/-42.982 χ^2/NDF: 26.2/36

All: 10.553+/-28.423 χ^2/NDF: 59.5/75

- 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: 205.303+/-0.037 χ^2/NDF:1316505.1/20

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

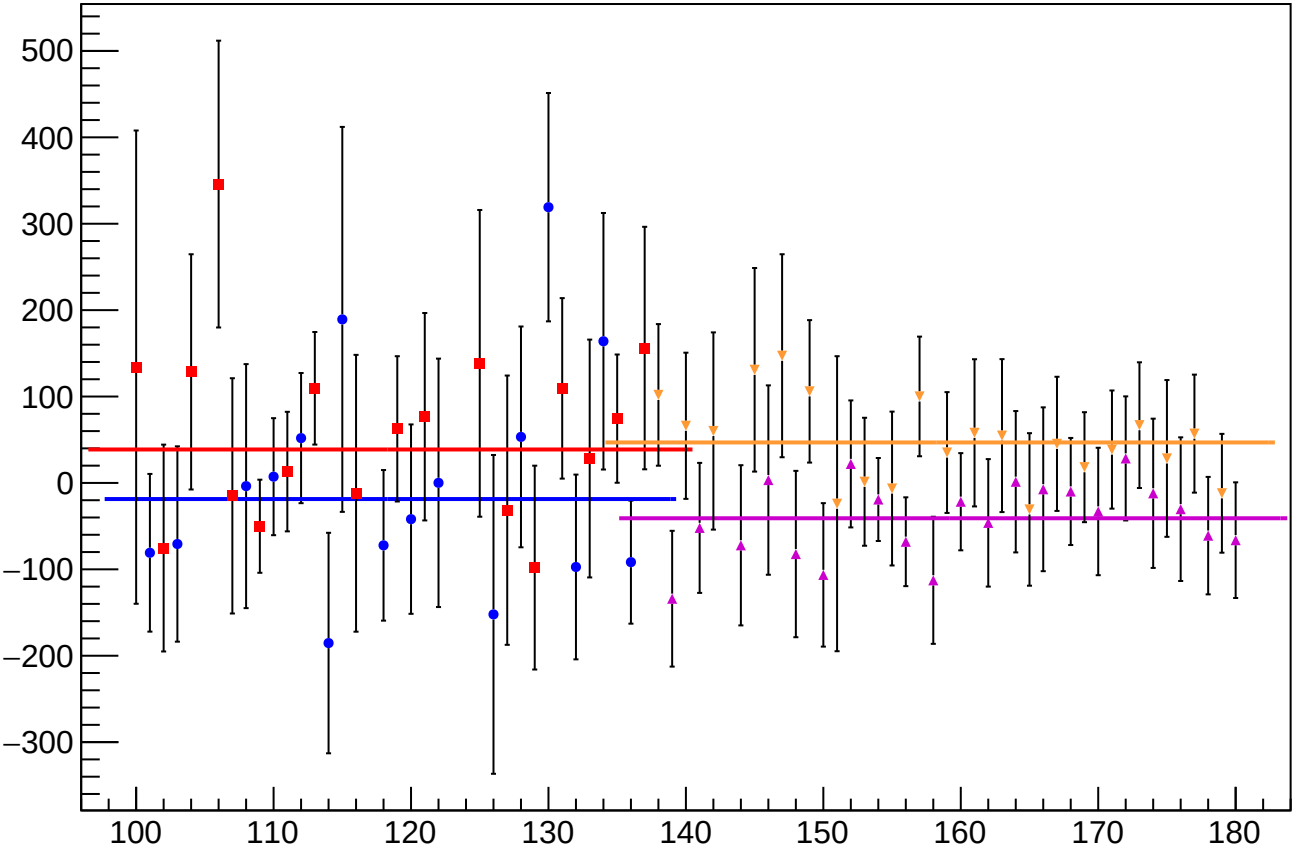
Left In: 180.304+/-0.032 χ^2/NDF:1636613.8/20

+ sign 201.720+/-0.030 χ^2/NDF: 2389976.0/36

All: 187.998+/-0.020 χ^2/NDF: 6010341.0/75

- 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: 46.851+/-17.762 χ^2/NDF:5.7/20

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

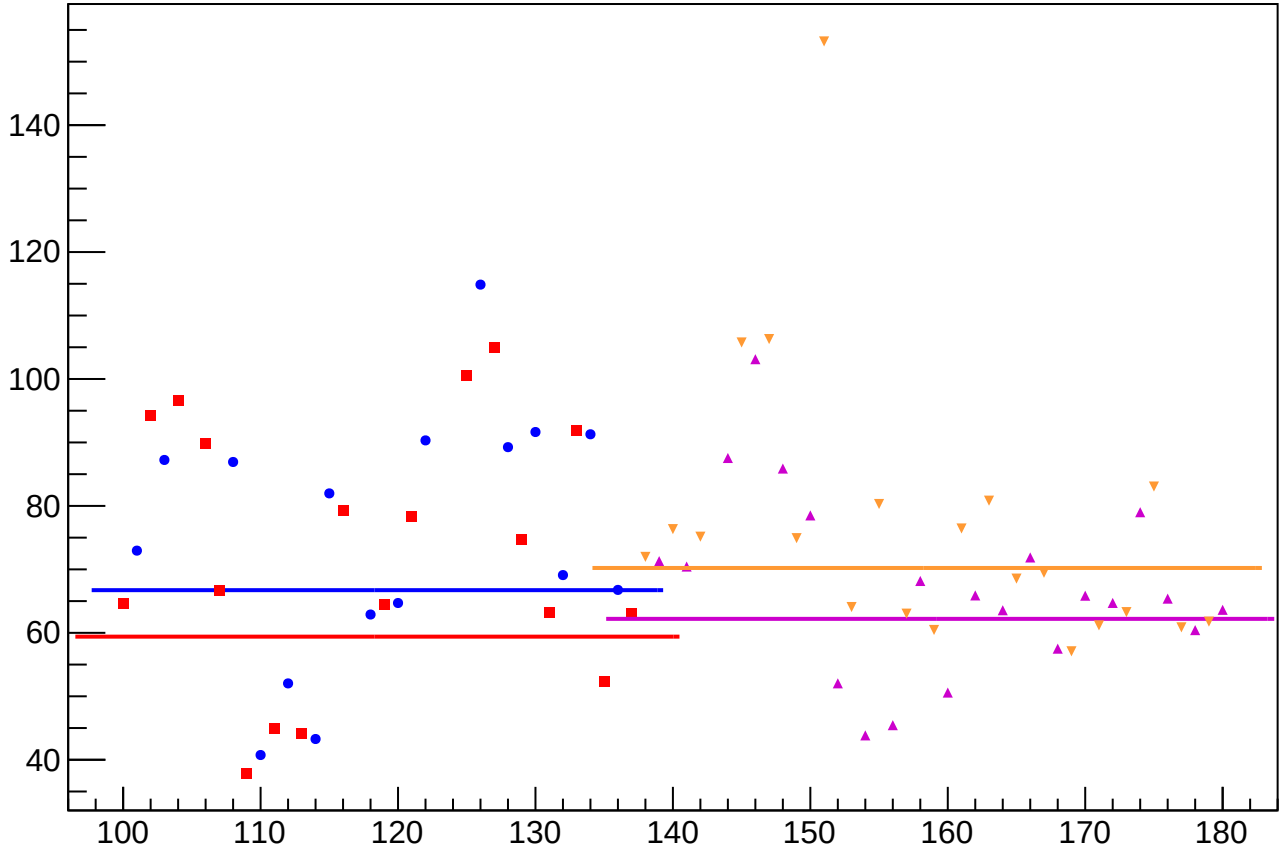
Left In: -40.891+/-15.637 χ^2/NDF:6.7/20

+ sign 26.144+/-14.688 χ^2/NDF: 25.2/36

All: 2.202+/-9.753 χ^2/NDF: 57.2/75

- 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: 70.221+/-0.013 χ^2/NDF:1250862.6/20

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

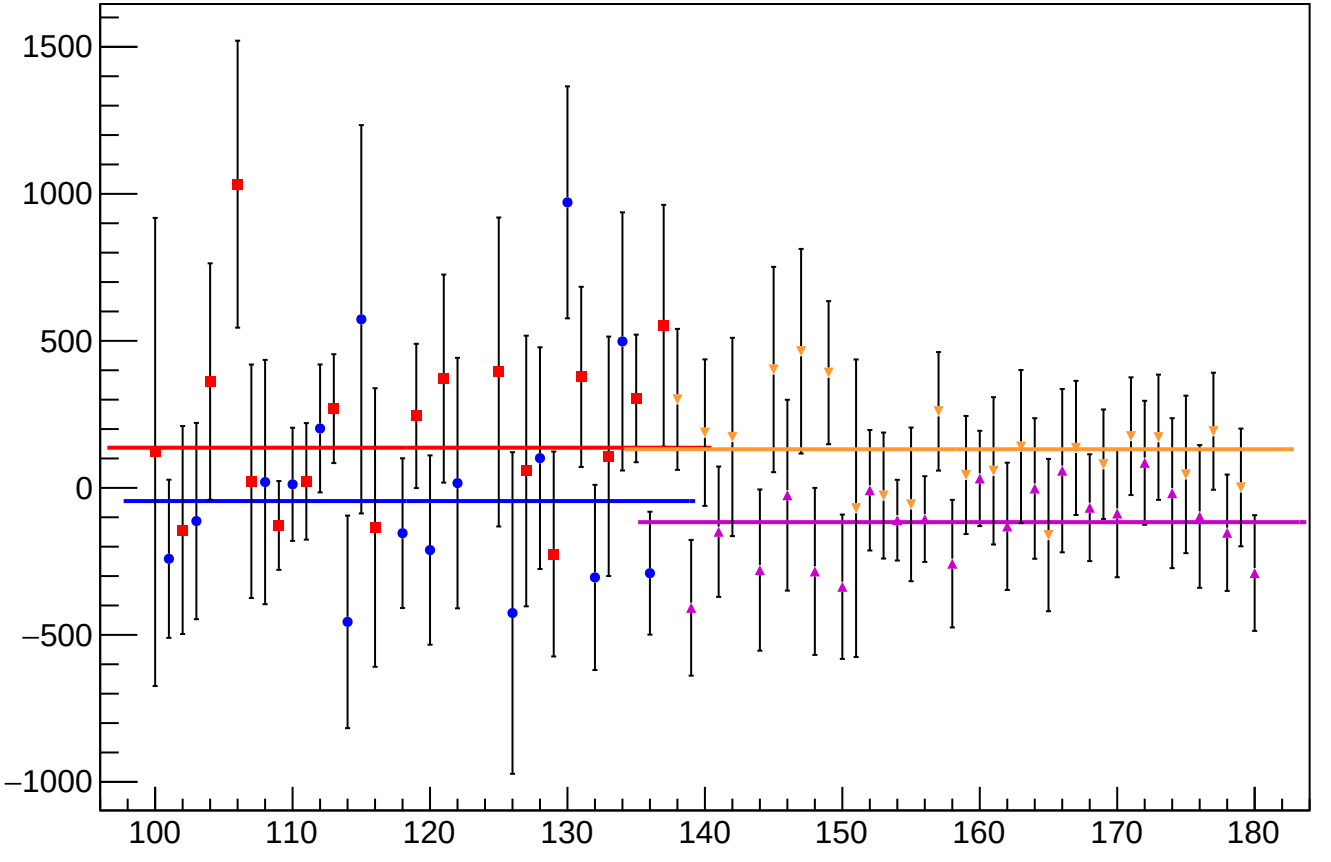
Left In: 62.203+/-0.011 χ^2/NDF:1444665.5/20

+ sign 69.116+/-0.010 χ^2/NDF: 2222412.7/36

All: 64.774+/-0.007 χ^2/NDF: 5444517.3/75

- 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: 131.376+/-51.982 χ^2/NDF:7.2/20

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

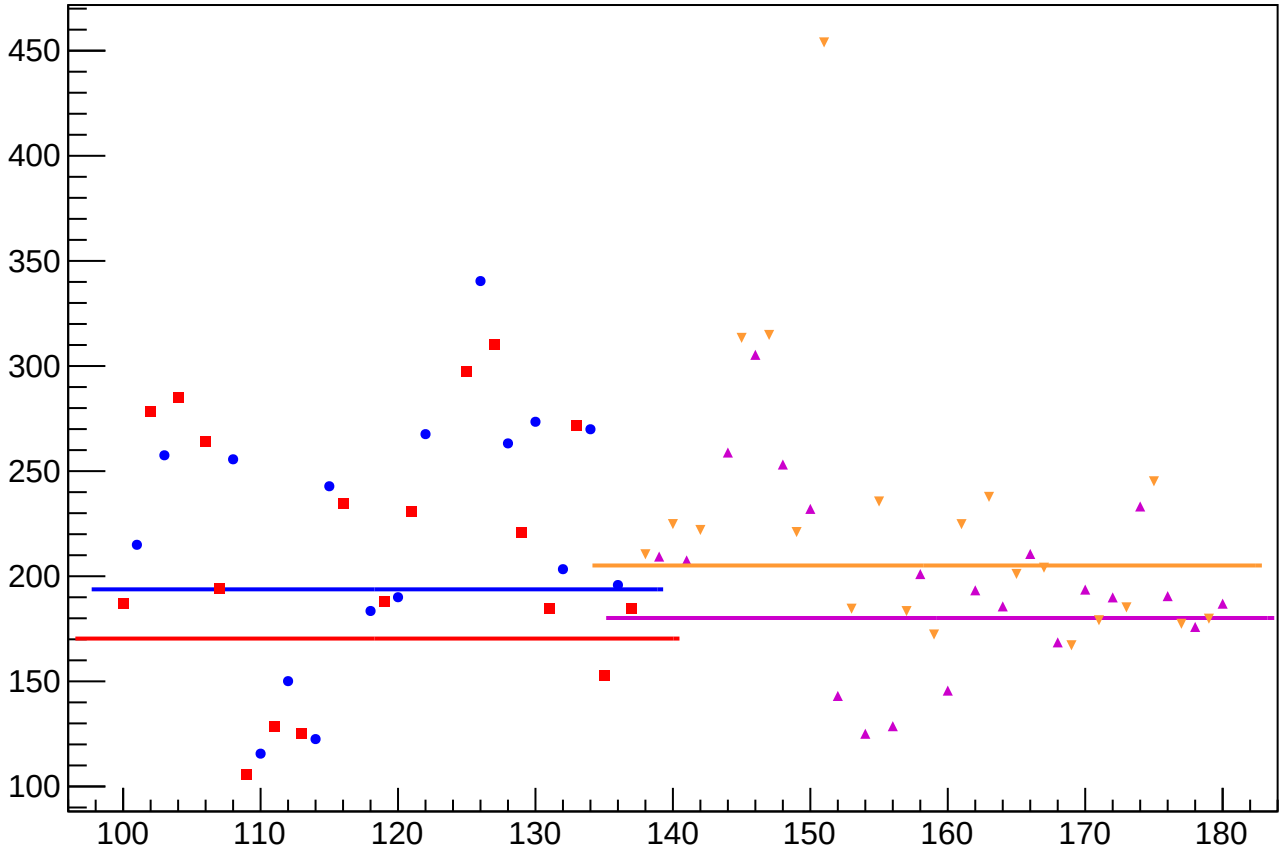
Left In: -116.522+/-45.467 χ^2/NDF:7.4/20

+ sign 75.387+/-42.942 χ^2/NDF: 26.3/36

All: 11.106+/-28.395 χ^2/NDF: 60.0/75

- 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: 205.119+/-0.037 χ^2/NDF:1317546.3/20

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

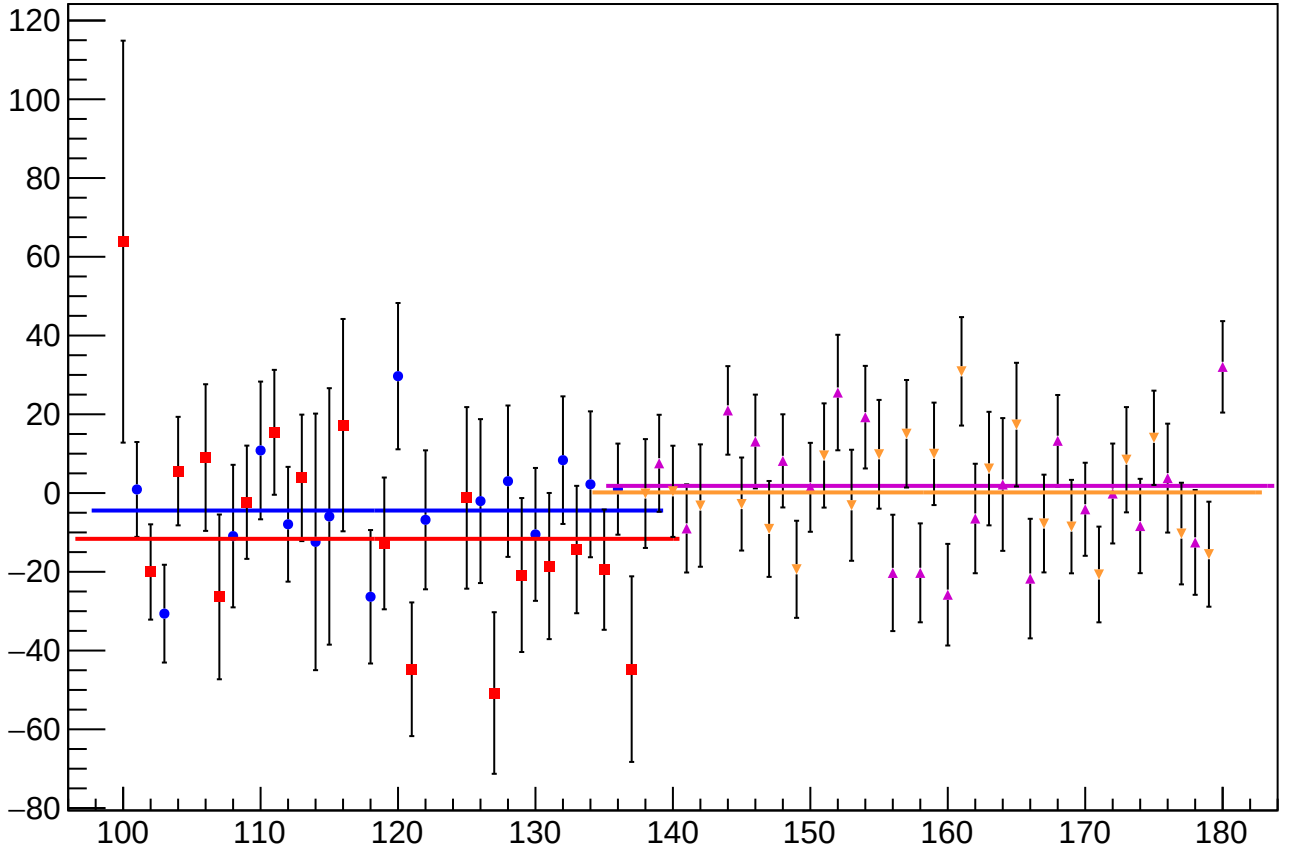
Left In: 180.140+/-0.032 χ^2/NDF:1638846.4/20

+ sign 201.514+/-0.030 χ^2/NDF: 2395931.0/36

All: 187.796+/-0.020 χ^2/NDF: 6024907.0/75

- 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: 0.159+/-2.848 χ^2/NDF:20.0/20

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

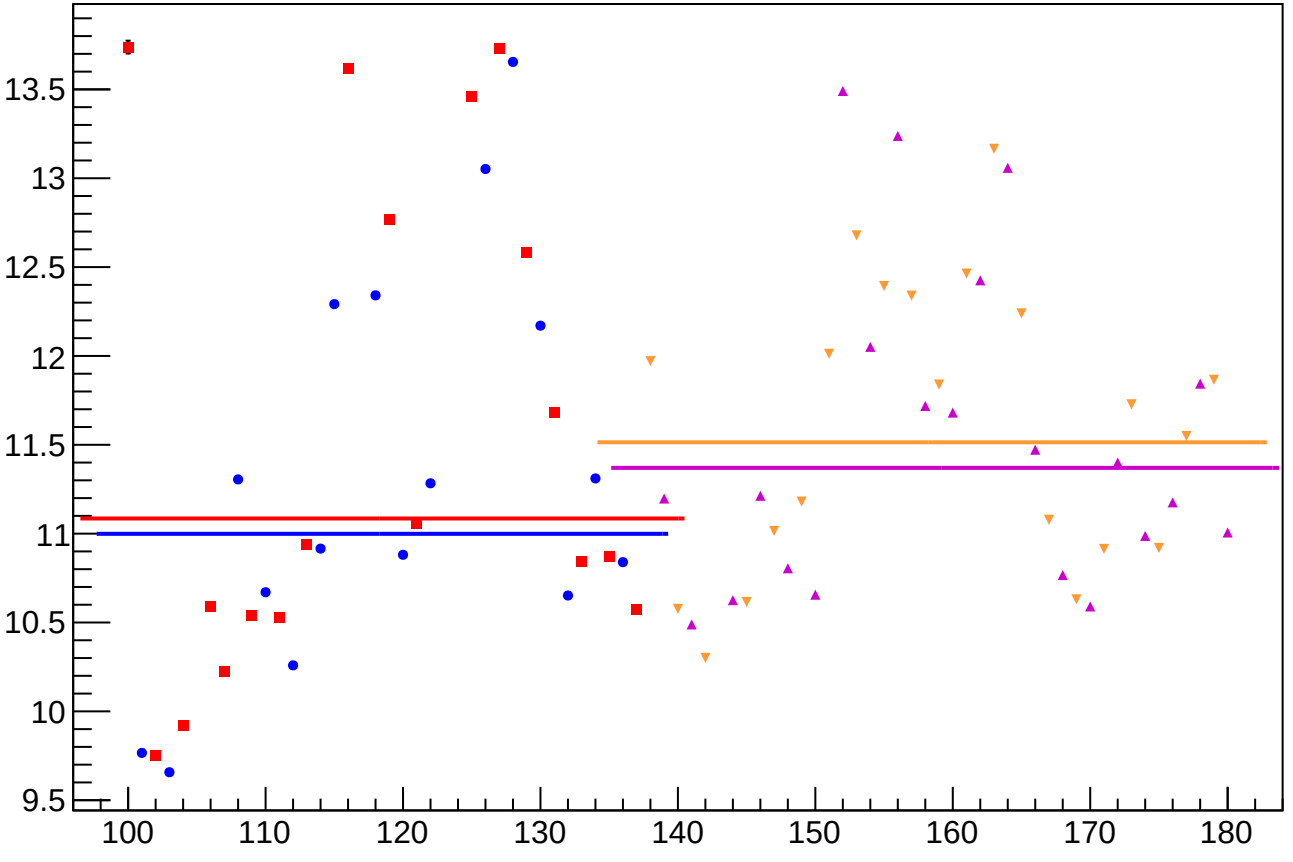
Left In: 1.822+/-2.762 χ^2/NDF:32.2/20

+ sign -1.323+/-2.345 χ^2/NDF: 32.8/36

All: -1.834+/-1.641 χ^2/NDF: 94.1/75

- sign -2.326+/-2.297 χ^2/NDF: 61.2/38

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.514+/-0.002 χ^2/NDF:142340.8/20

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

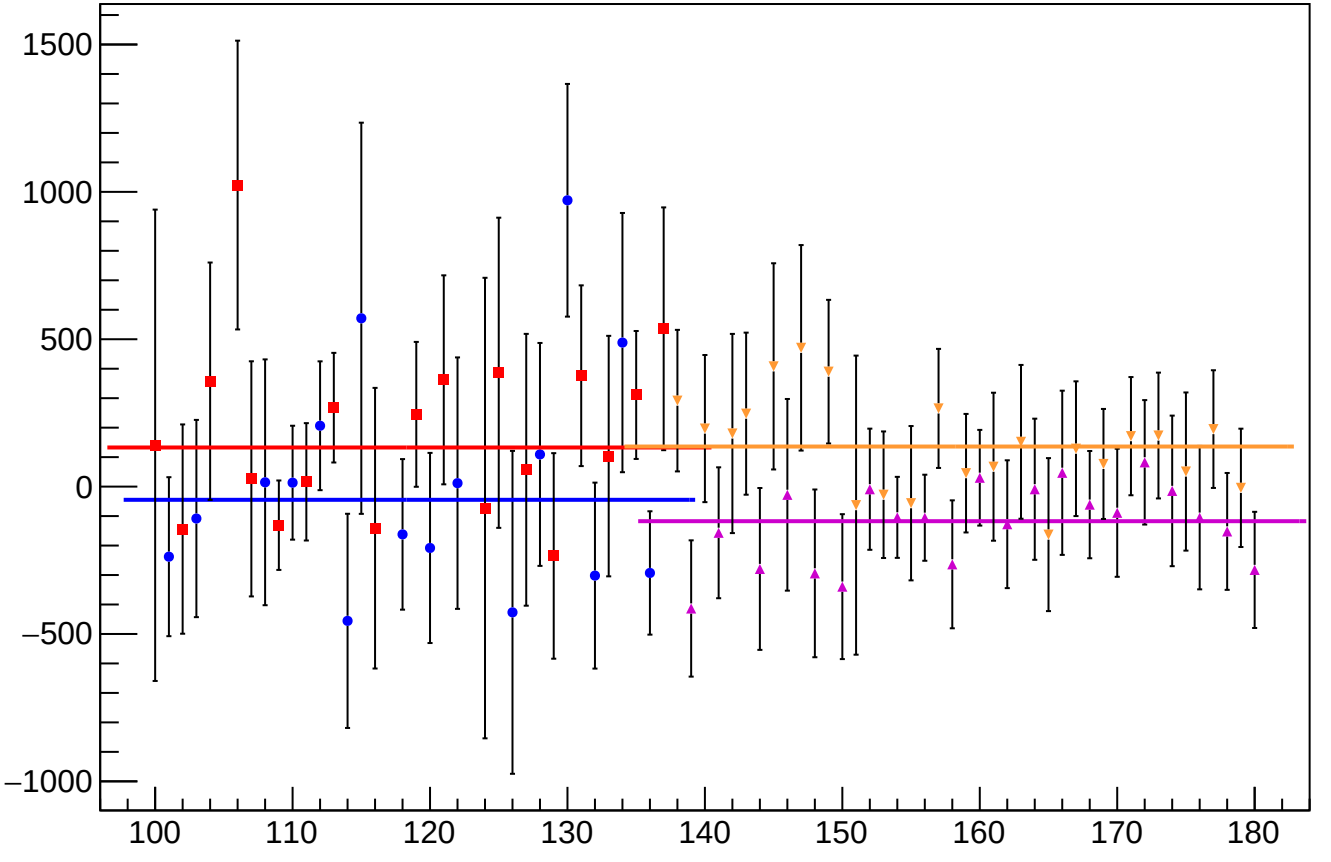
Left In: 11.370+/-0.002 χ^2/NDF:169112.6/20

+ sign 11.348+/-0.002 χ^2/NDF: 299576.5/36

All: 11.315+/-0.001 χ^2/NDF: 638257.0/75

- 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: 135.971+/-51.172 χ^2/NDF:7.4/21

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

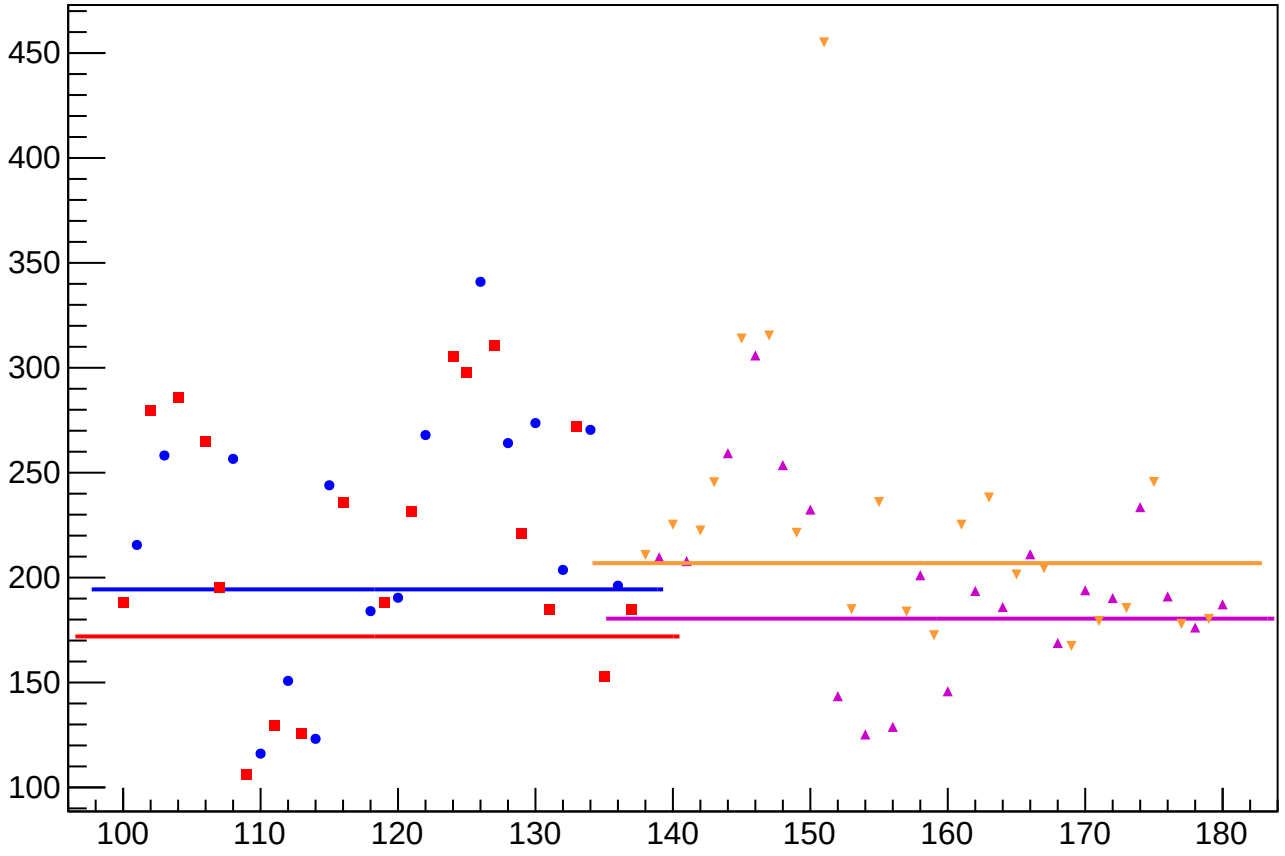
Left In: -117.331+/-45.543 χ^2/NDF:7.3/20

+ sign 80.013+/-42.520 χ^2/NDF: 26.7/37

All: 12.935+/-28.287 χ^2/NDF: 60.6/77

- 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: 206.893+/-0.036 χ^2/NDF:1358158.4/21

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

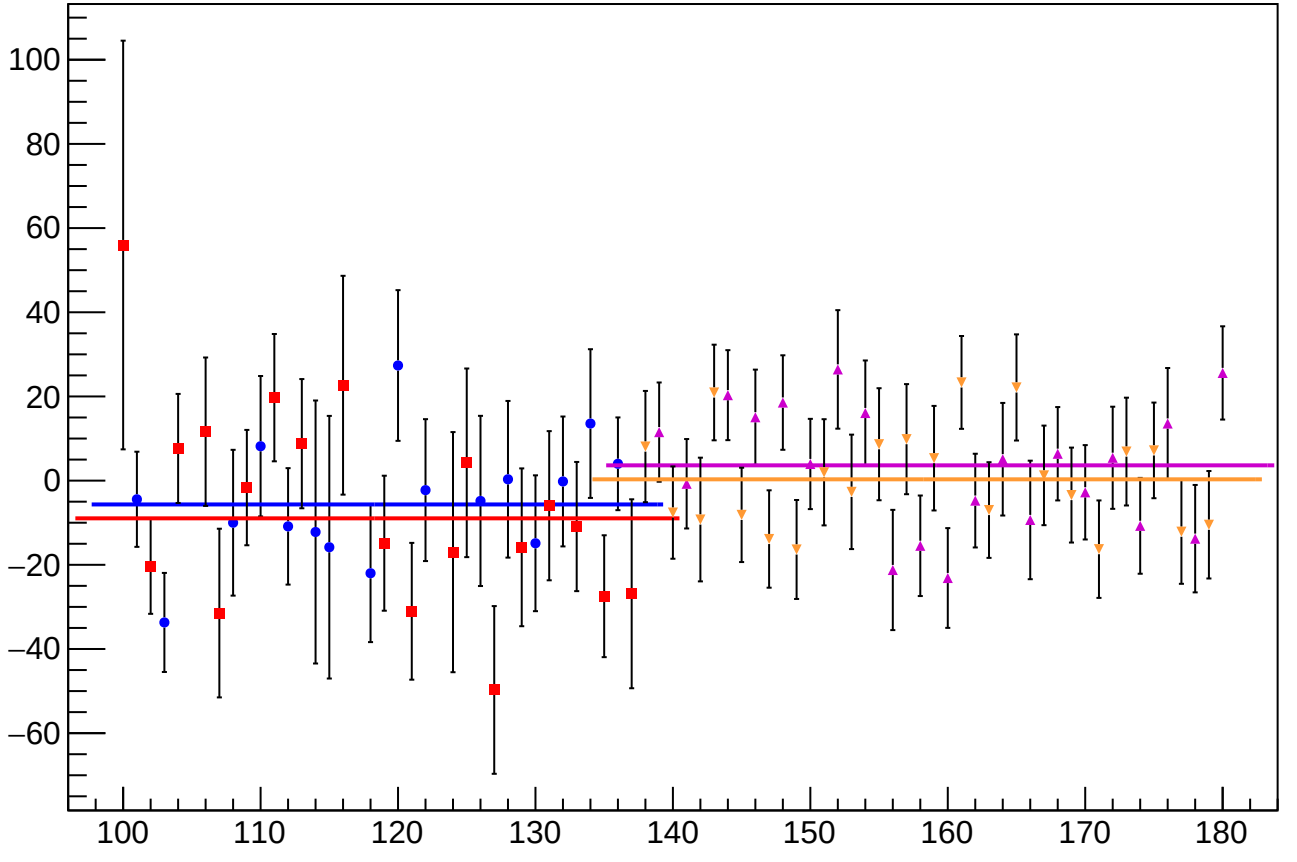
Left In: 180.440+/-0.032 χ^2/NDF:1639362.3/20

+ sign 203.021+/-0.030 χ^2/NDF: 2437174.0/37

All: 188.976+/-0.020 χ^2/NDF: 6140781.2/77

- 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: 0.310+/-2.582 χ^2/NDF:22.1/21

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

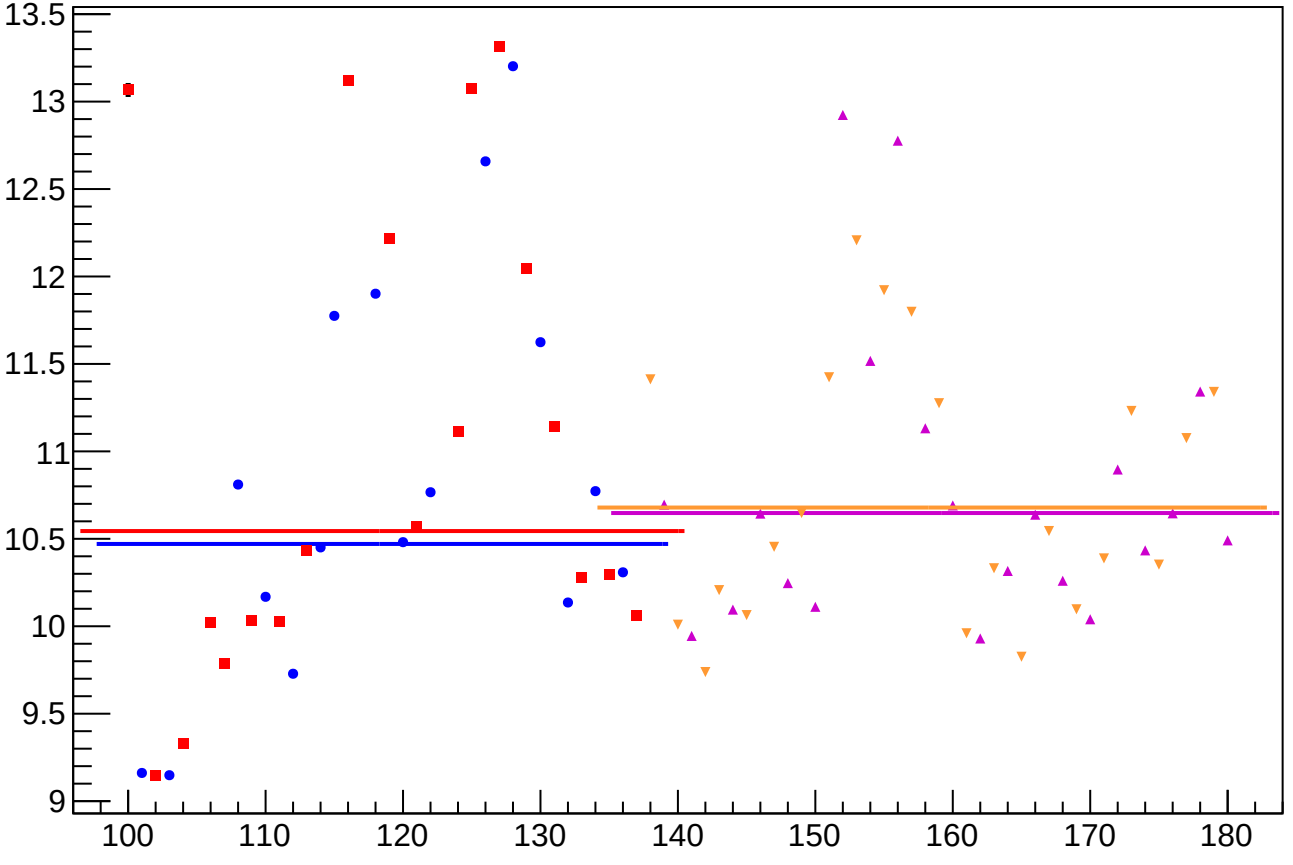
Left In: 3.632+/-2.590 χ^2/NDF:29.9/20

+ sign -1.483+/-2.160 χ^2/NDF: 37.4/37

All: -0.851+/-1.526 χ^2/NDF: 97.5/77

- 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: 10.679+/-0.002 χ^2/NDF:140127.7/21

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

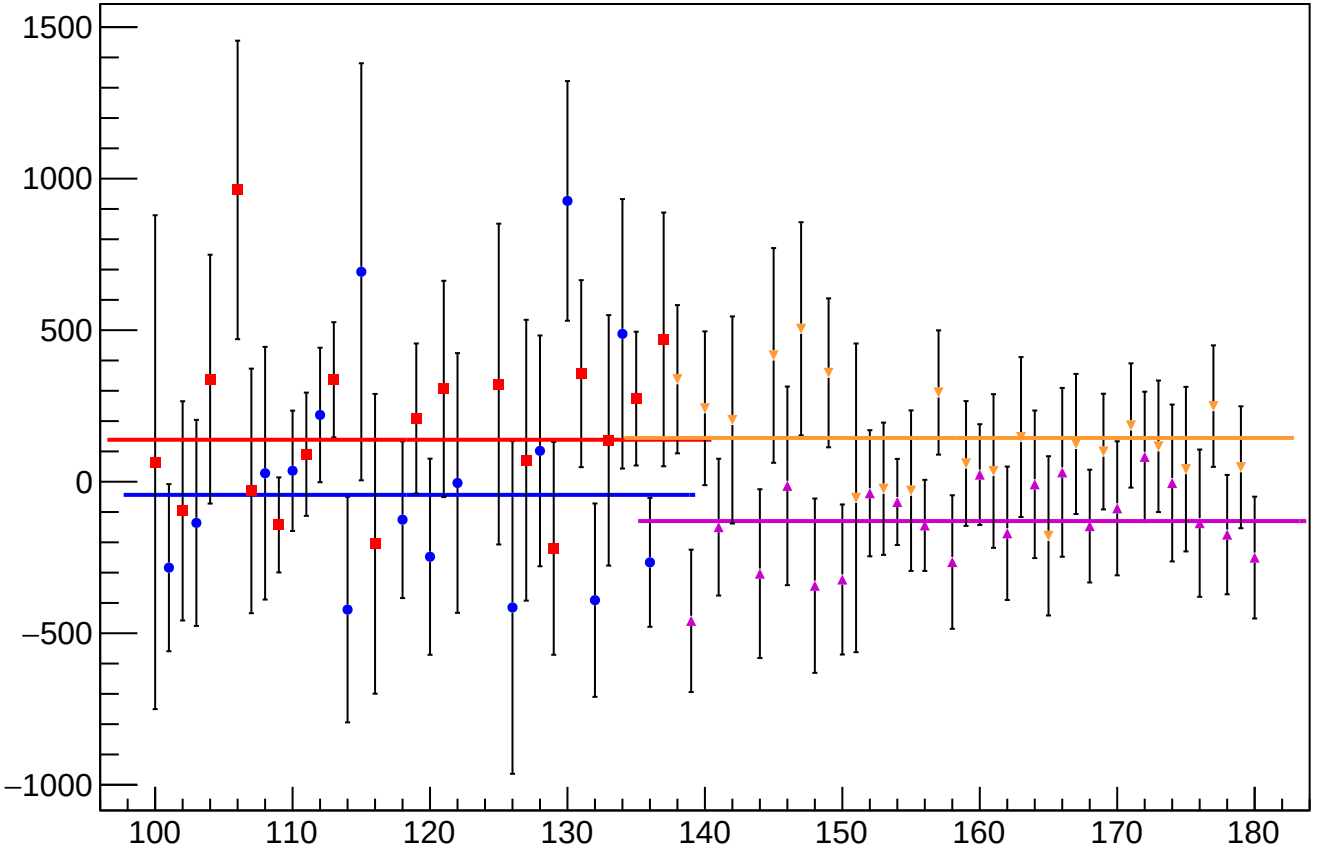
Left In: 10.647+/-0.002 χ^2/NDF:157126.8/20

+ sign 10.616+/-0.002 χ^2/NDF: 301401.8/37

All: 10.616+/-0.001 χ^2/NDF: 646277.6/77

- 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: 144.449+/-52.798 χ^2/NDF:7.6/20

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

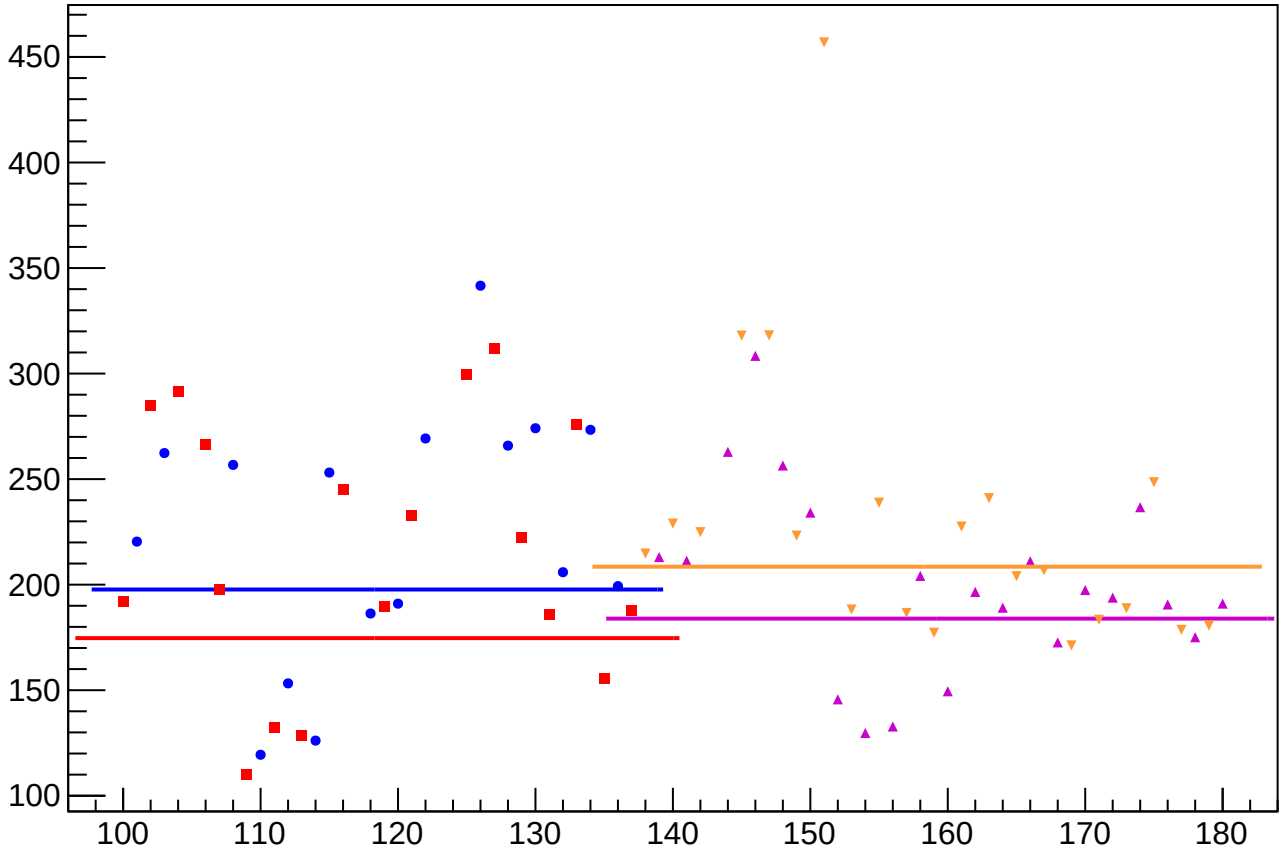
Left In: -129.840+/-46.336 χ^2/NDF:7.5/20

+ sign 84.994+/-43.649 χ^2/NDF: 27.0/36

All: 10.476+/-28.919 χ^2/NDF: 61.5/75

- 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: 208.515+/-0.037 χ^2/NDF:1291282.9/20

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

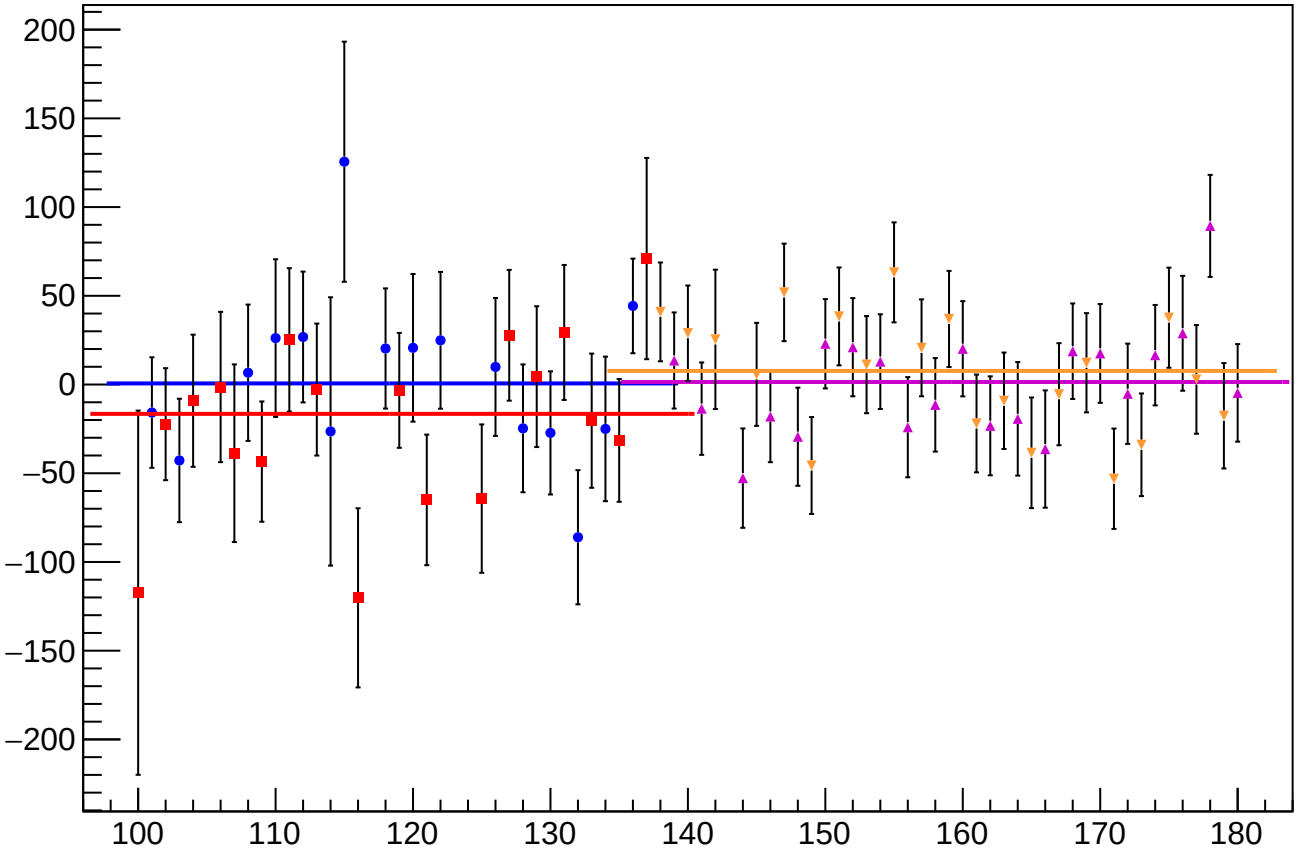
Left In: 183.915+/-0.033 χ^2/NDF:1548168.2/20

+ sign 205.094+/-0.031 χ^2/NDF: 2318134.2/36

All: 191.628+/-0.020 χ^2/NDF: 5764636.4/75

- 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: 7.670+/-6.216 χ^2/NDF:27.7/20

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

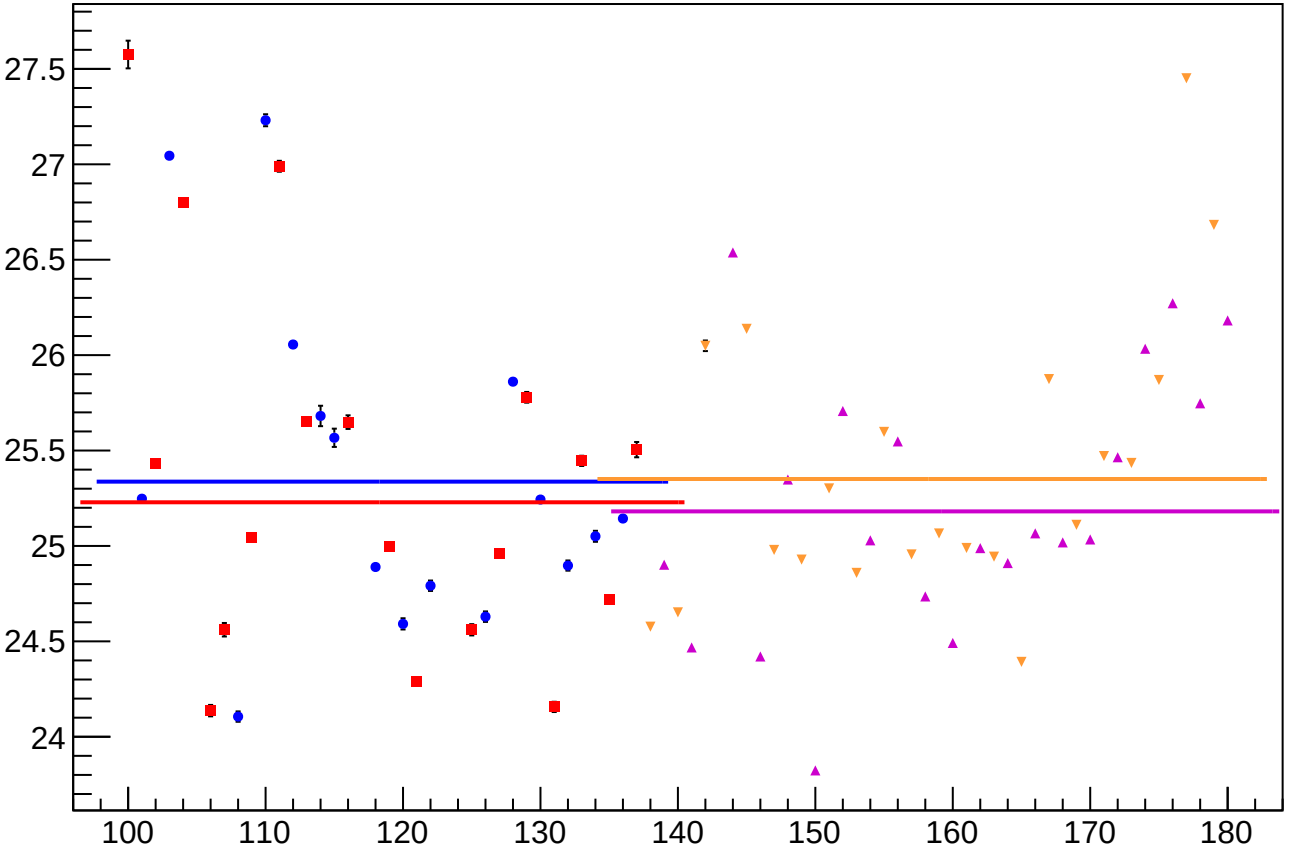
Left In: 1.432+/-6.070 χ^2/NDF:22.8/20

+ sign 5.532+/-5.189 χ^2/NDF: 44.9/36

All: 0.705+/-3.631 χ^2/NDF: 88.3/75

- sign -3.930+/-5.084 χ^2/NDF: 41.8/38

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.351+/-0.004 χ^2/NDF:24950.4/20

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

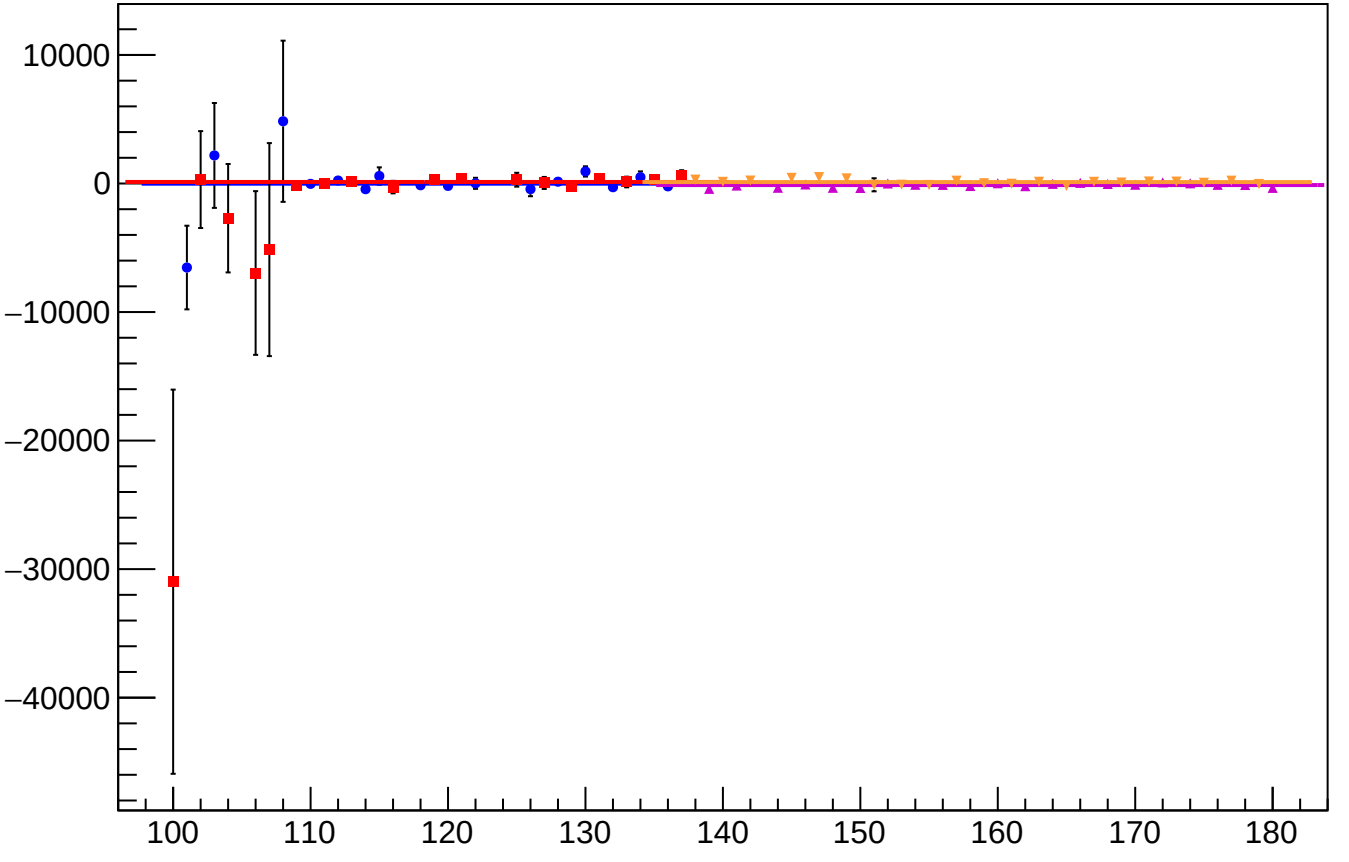
Left In: 25.181+/-0.004 χ^2/NDF:25167.7/20

+ sign 25.347+/-0.004 χ^2/NDF: 39268.5/36

All: 25.269+/-0.003 χ^2/NDF: 80517.1/75

- 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: 111.037+/-52.623 χ^2/NDF:8.8/20

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

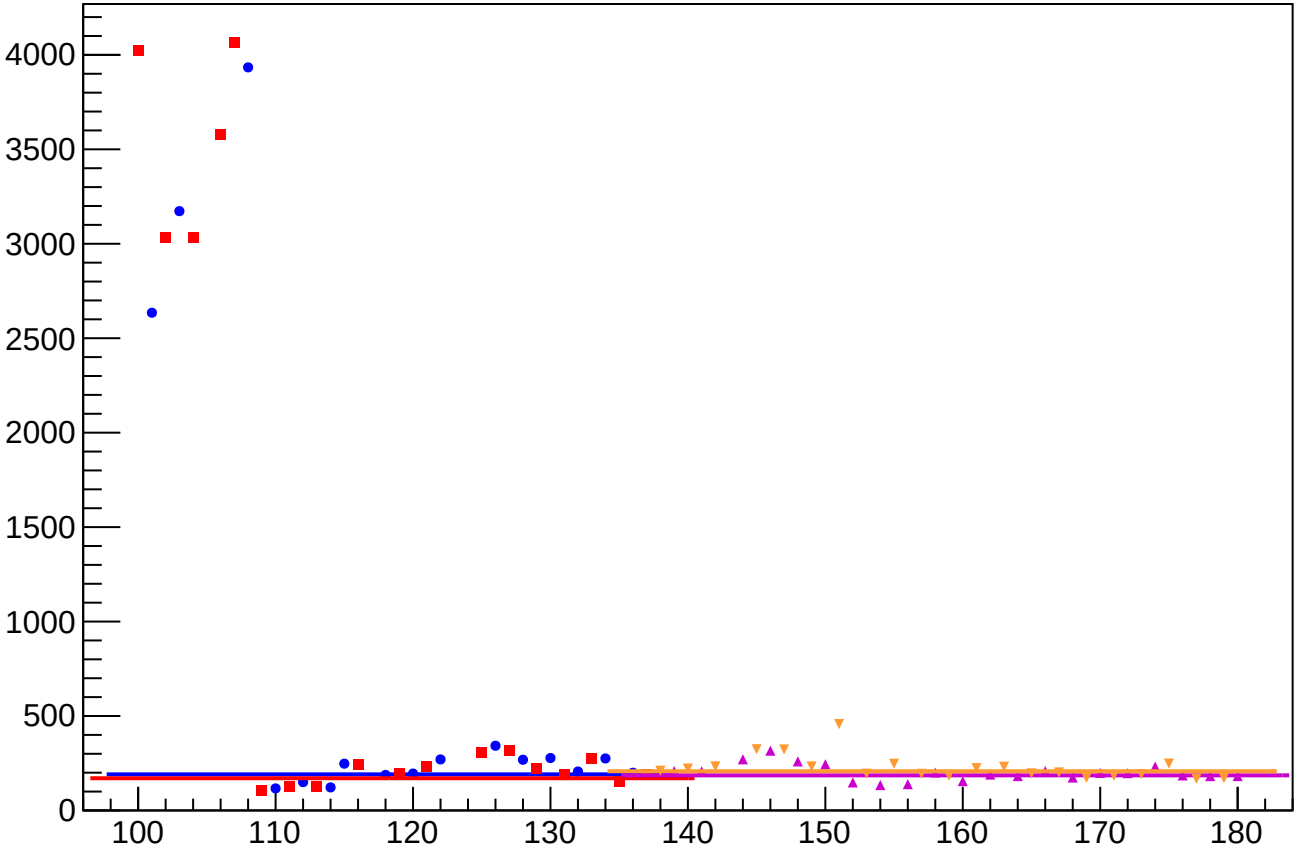
Left In: -121.757+/-46.715 χ^2/NDF:8.1/20

+ sign 76.303+/-44.662 χ^2/NDF: 28.7/36

All: 1.831+/-29.842 χ^2/NDF: 63.3/75

- 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: 207.680+/-0.037 χ^2/NDF:1360011.3/20

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

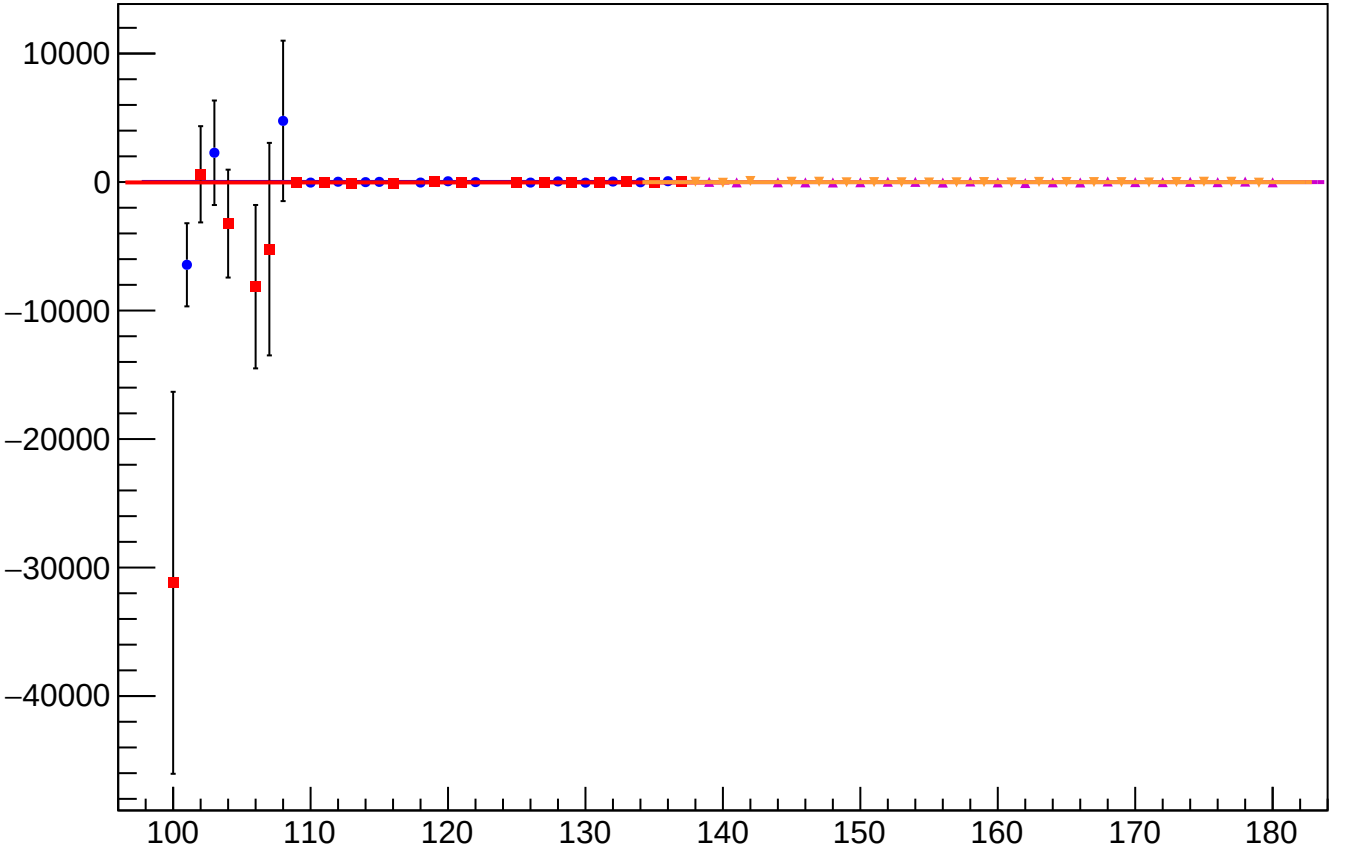
Left In: 185.888+/-0.033 χ^2/NDF:1406613.2/20

+ sign 203.035+/-0.032 χ^2/NDF: 5249692.0/36

All: 191.304+/-0.021 χ^2/NDF: 11217452.7/75

- 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: -8.169+/-7.036 χ^2/NDF:15.3/20

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

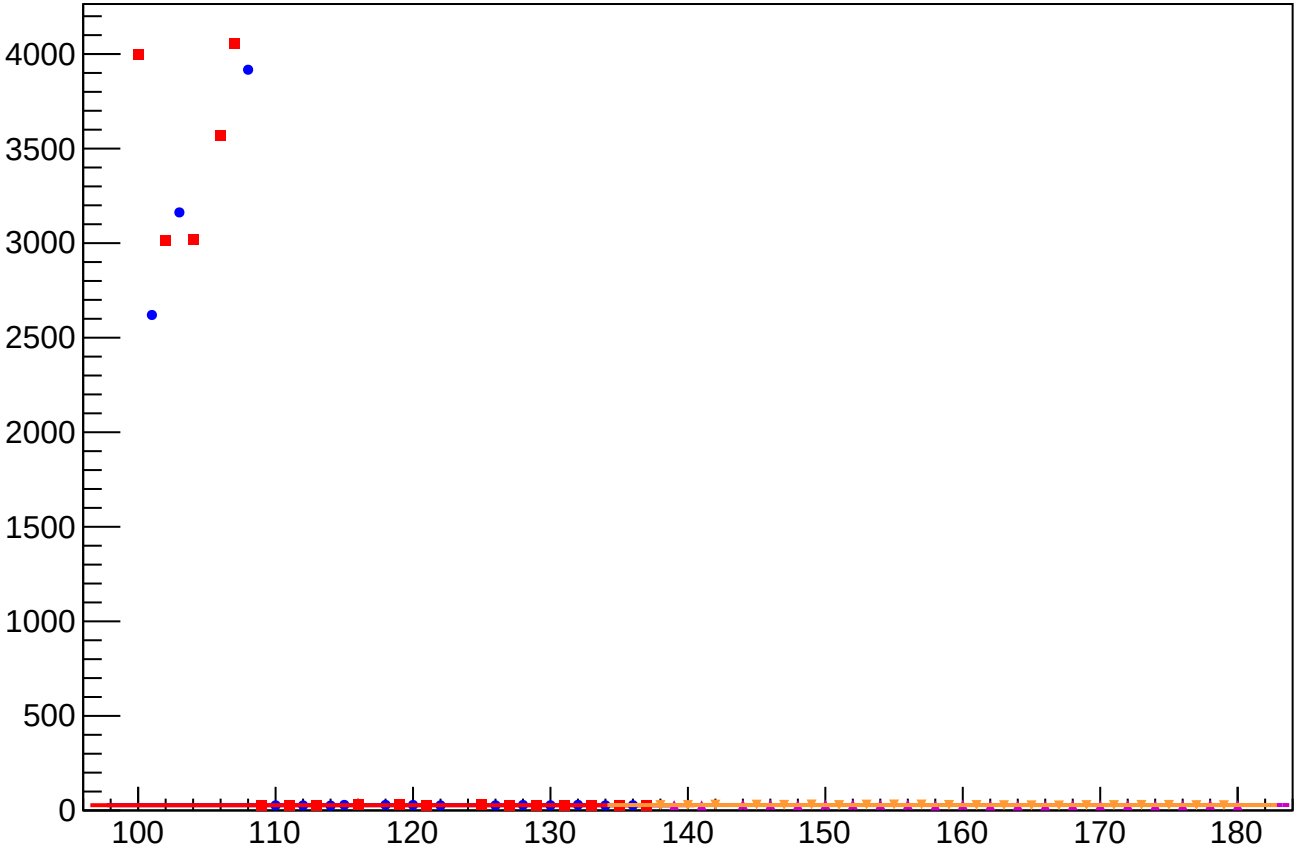
Left In: -5.610+/-6.939 χ^2/NDF:18.6/20

+ sign -4.307+/-6.038 χ^2/NDF: 34.8/36

All: -8.087+/-4.262 χ^2/NDF: 77.3/75

- 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: 28.653+/-0.005 χ^2/NDF:78297.6/20

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

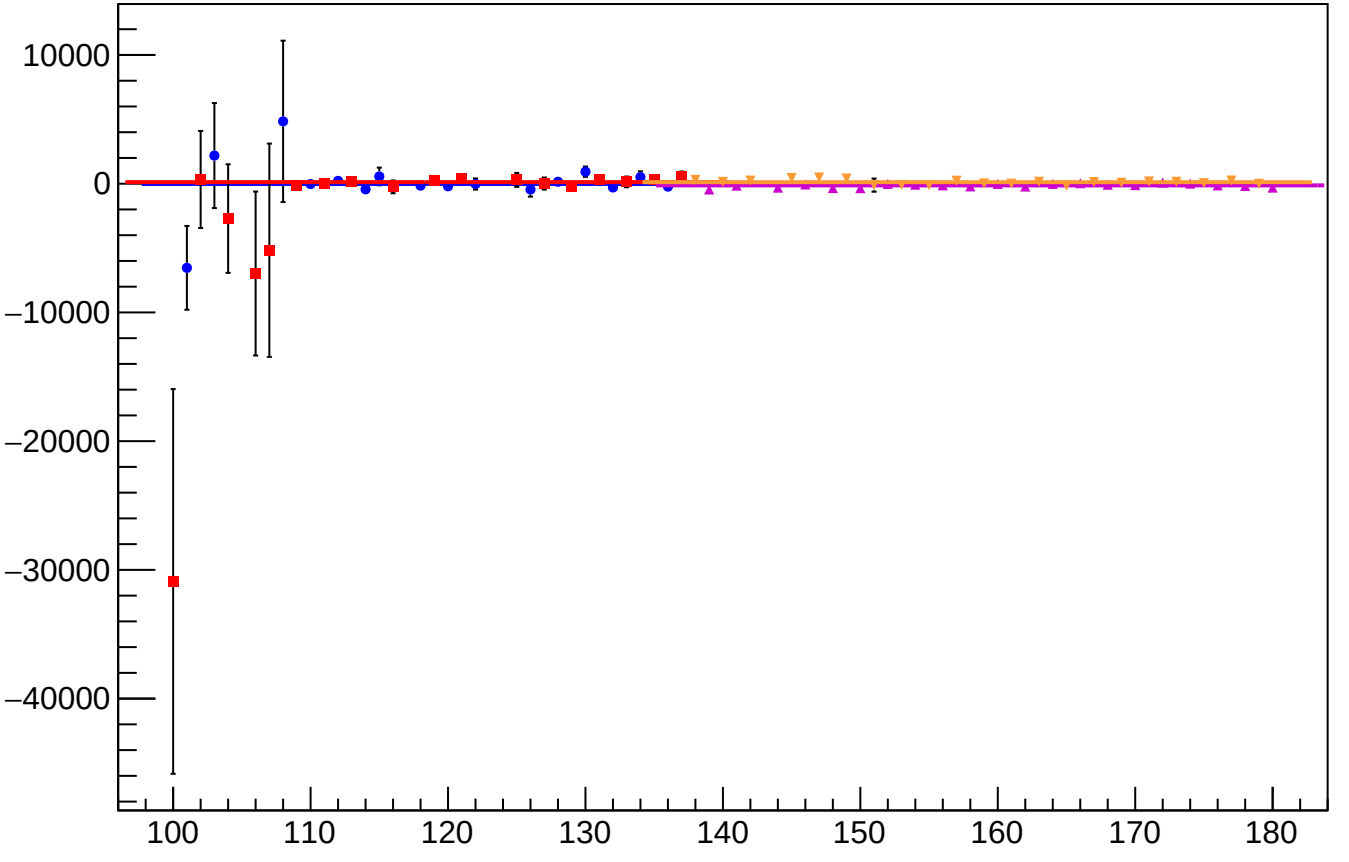
Left In: 28.716+/-0.005 χ^2/NDF:127183.7/20

+ sign 28.435+/-0.004 χ^2/NDF: 3351485.9/36

All: 28.459+/-0.003 χ^2/NDF: 7046182.9/75

- 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: 118.515+/-53.059 χ^2/NDF:8.5/20

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

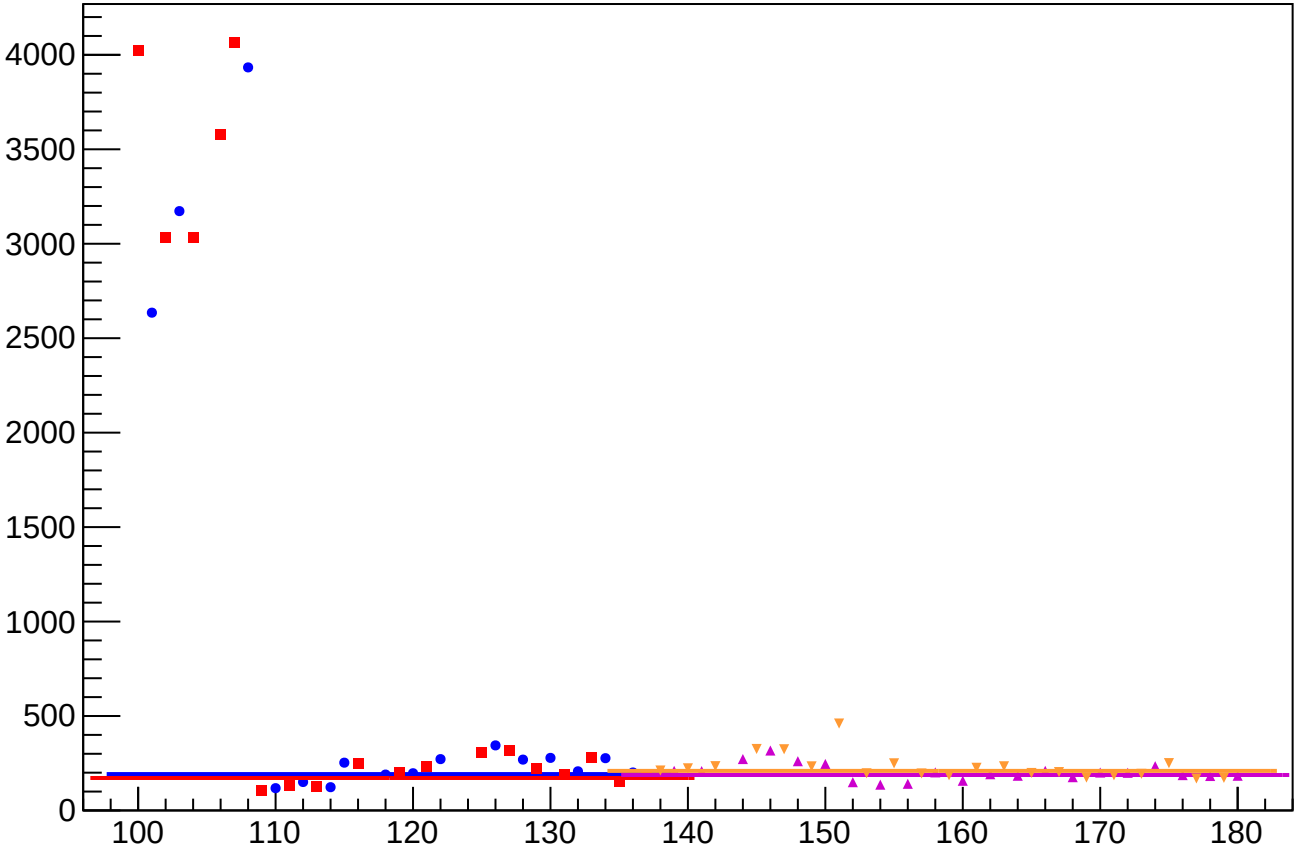
Left In: -131.380+/-47.144 χ^2/NDF:7.4/20

+ sign 79.851+/-45.019 χ^2/NDF: 28.6/36

All: -0.146+/-30.093 χ^2/NDF: 62.6/75

- sign -64.768+/-40.462 χ^2/NDF: 28.3/38

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 209.484+/-0.038 χ^2/NDF:1342830.2/20

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

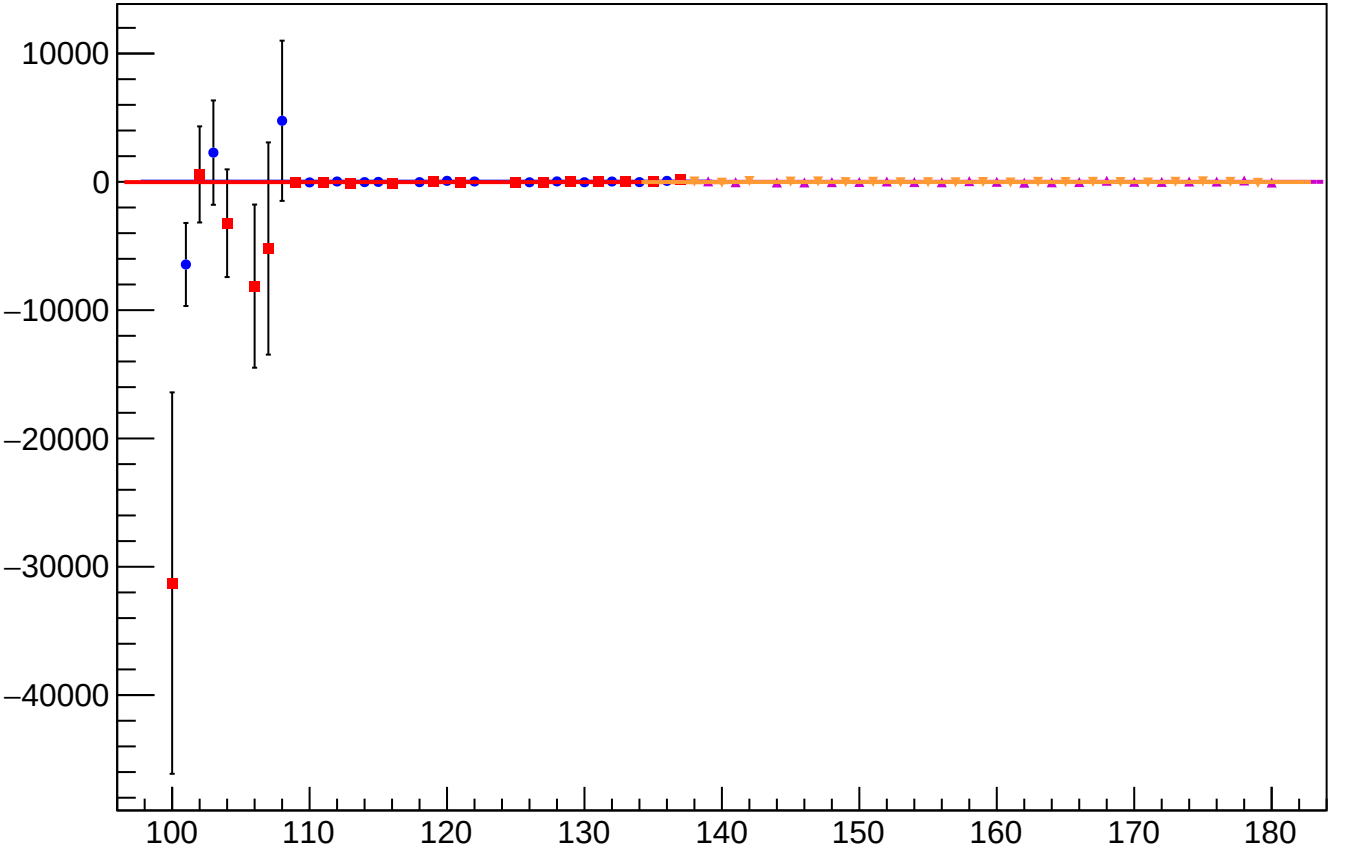
Left In: 187.728+/-0.033 χ^2/NDF:1366568.3/20

+ sign 204.744+/-0.032 χ^2/NDF: 5222614.2/36

All: 193.025+/-0.021 χ^2/NDF: 11141352.2/75

- 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: -15.924+/-7.657 χ^2/NDF:18.8/20

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

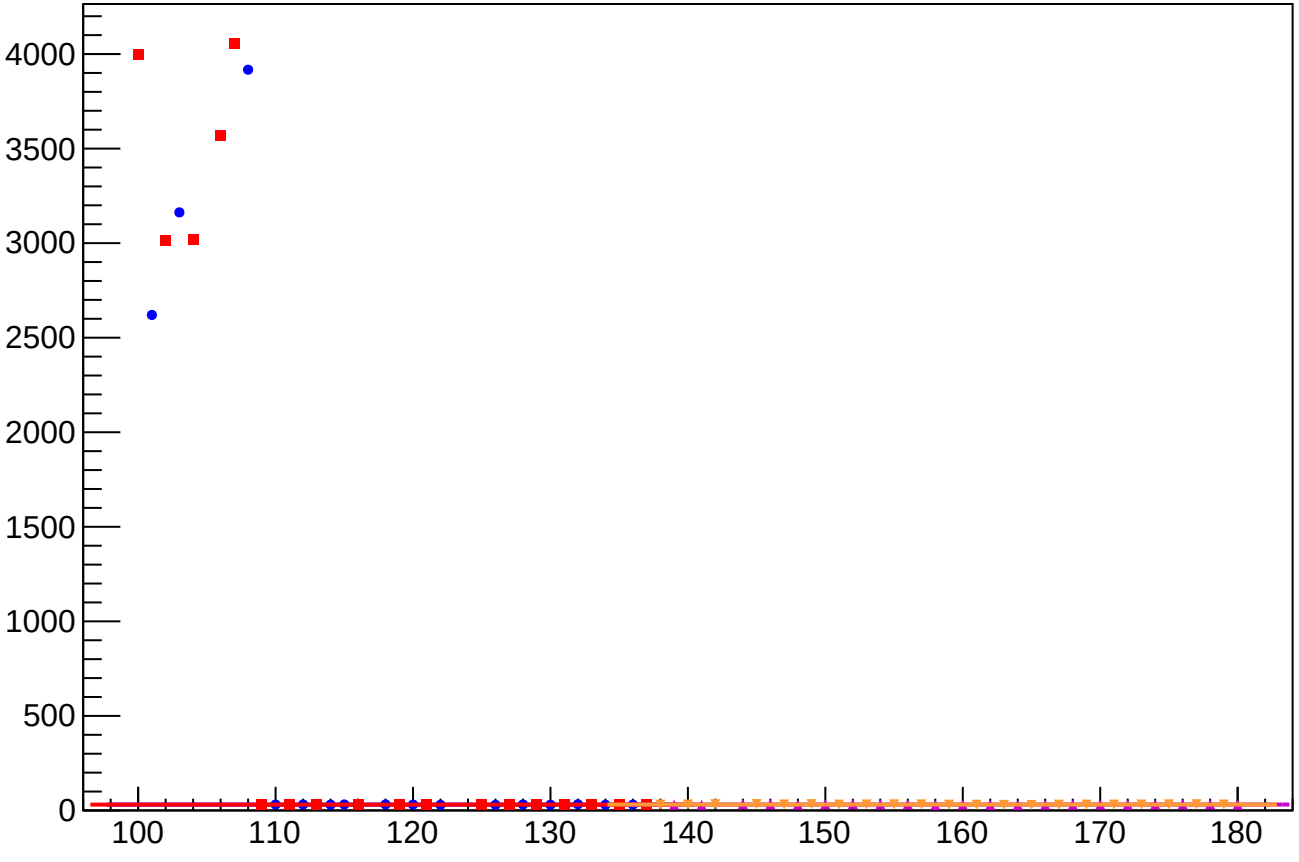
Left In: 1.605+/-7.566 χ^2/NDF:34.9/20

+ sign -8.344+/-6.606 χ^2/NDF: 38.0/36

All: -6.211+/-4.664 χ^2/NDF: 103.8/75

- 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: 31.205+/-0.005 χ^2/NDF:46926.4/20

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

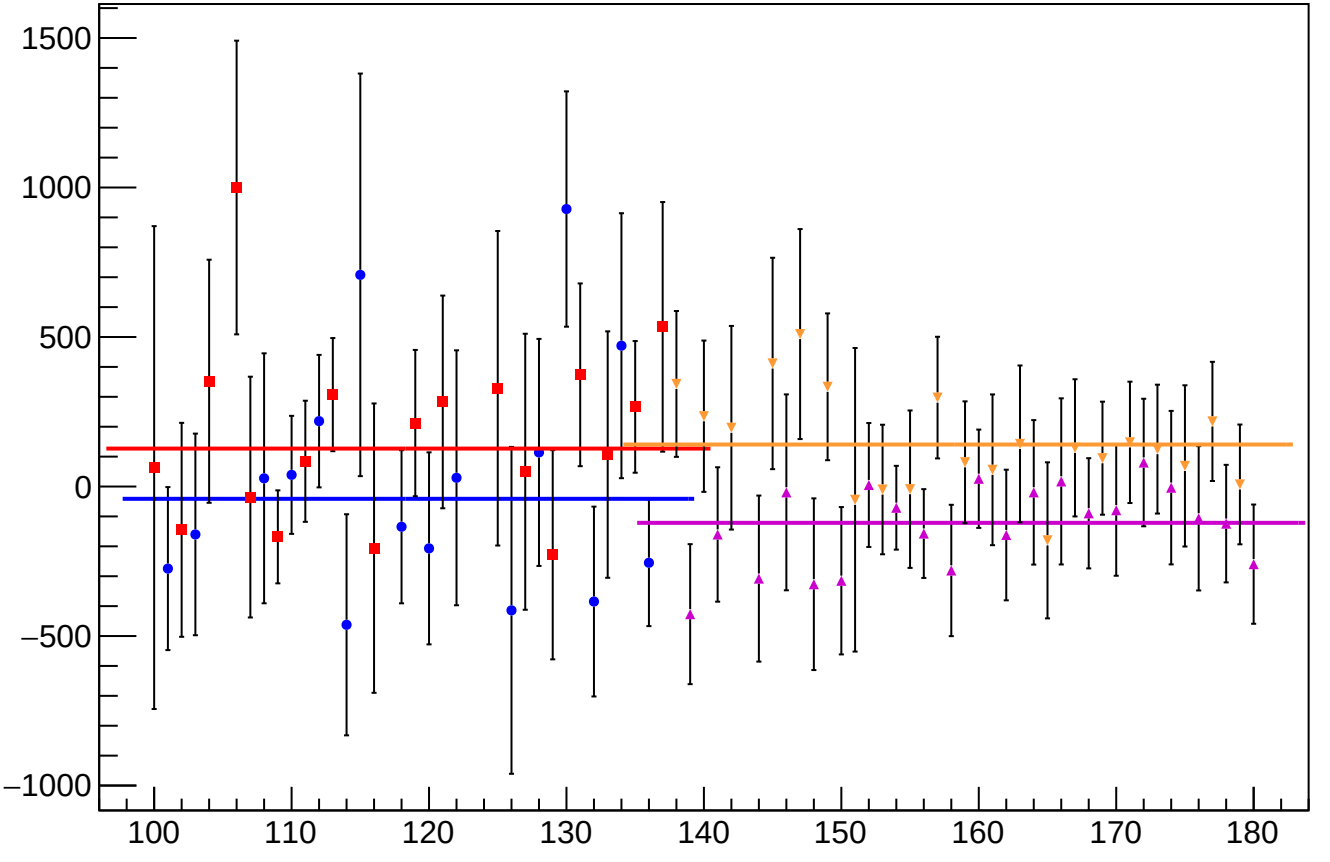
Left In: 31.336+/-0.005 χ^2/NDF:83979.6/20

+ sign 31.134+/-0.005 χ^2/NDF: 3300201.7/36

All: 31.171+/-0.003 χ^2/NDF: 6922654.0/75

- 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: 140.488+/-52.465 χ^2/NDF:7.1/20

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

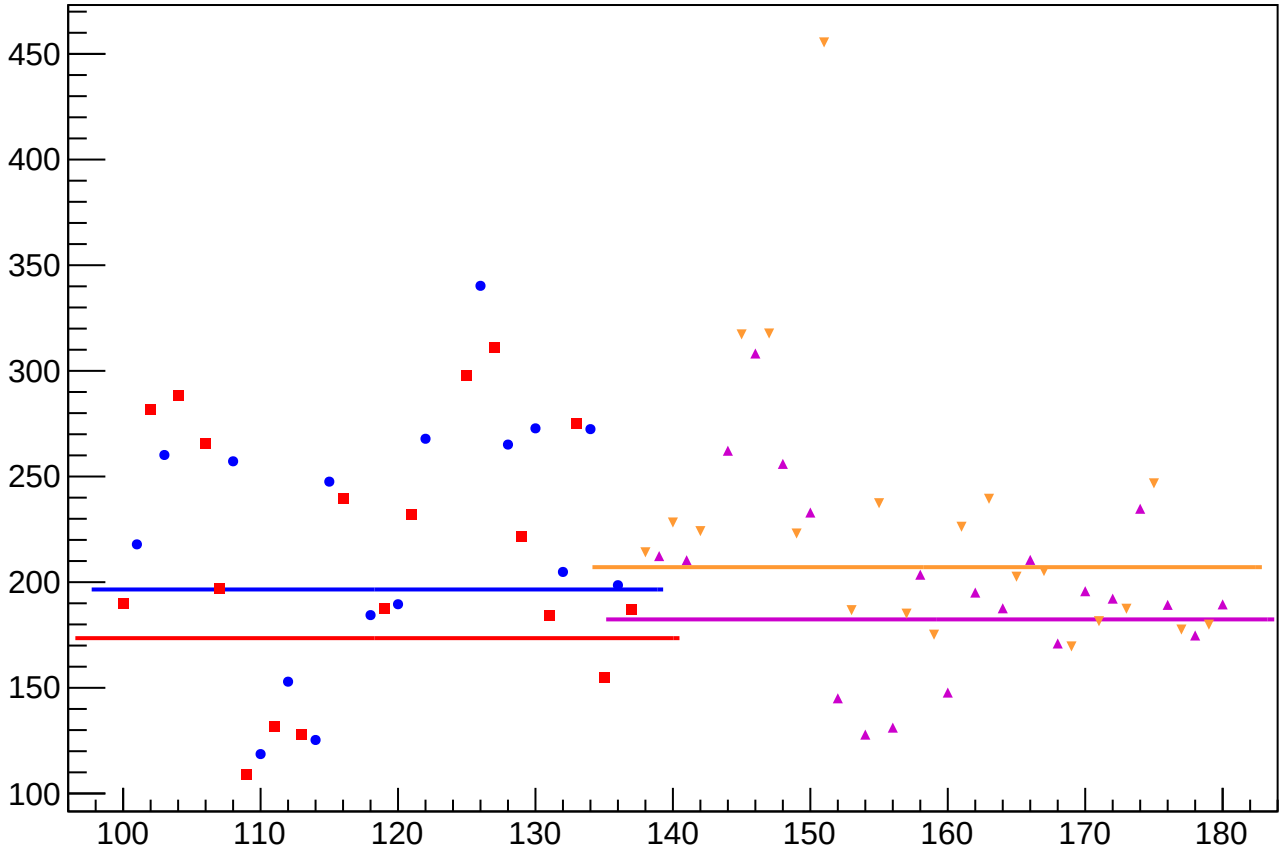
Left In: -121.431+/-45.984 χ^2/NDF:7.4/20

+ sign 83.051+/-43.382 χ^2/NDF: 26.5/36

All: 10.778+/-28.724 χ^2/NDF: 60.6/75

- 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: 207.104+/-0.037 χ^2/NDF:1310906.8/20

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

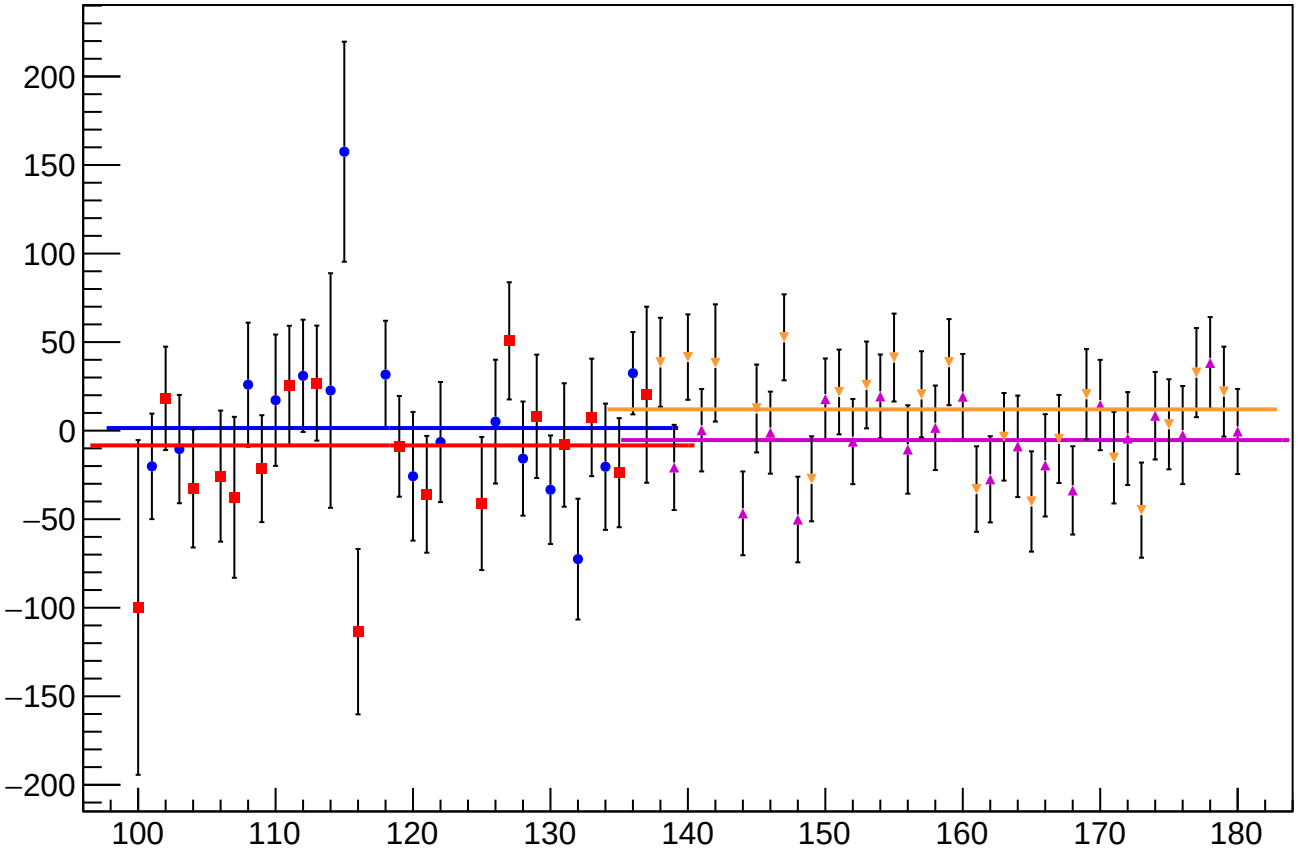
Left In: 182.380+/-0.033 χ^2/NDF:1590948.1/20

+ sign 203.764+/-0.031 χ^2/NDF: 2337314.1/36

All: 190.234+/-0.020 χ^2/NDF: 5830073.3/75

- 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: 12.017+/-5.505 χ^2/NDF:26.3/20

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

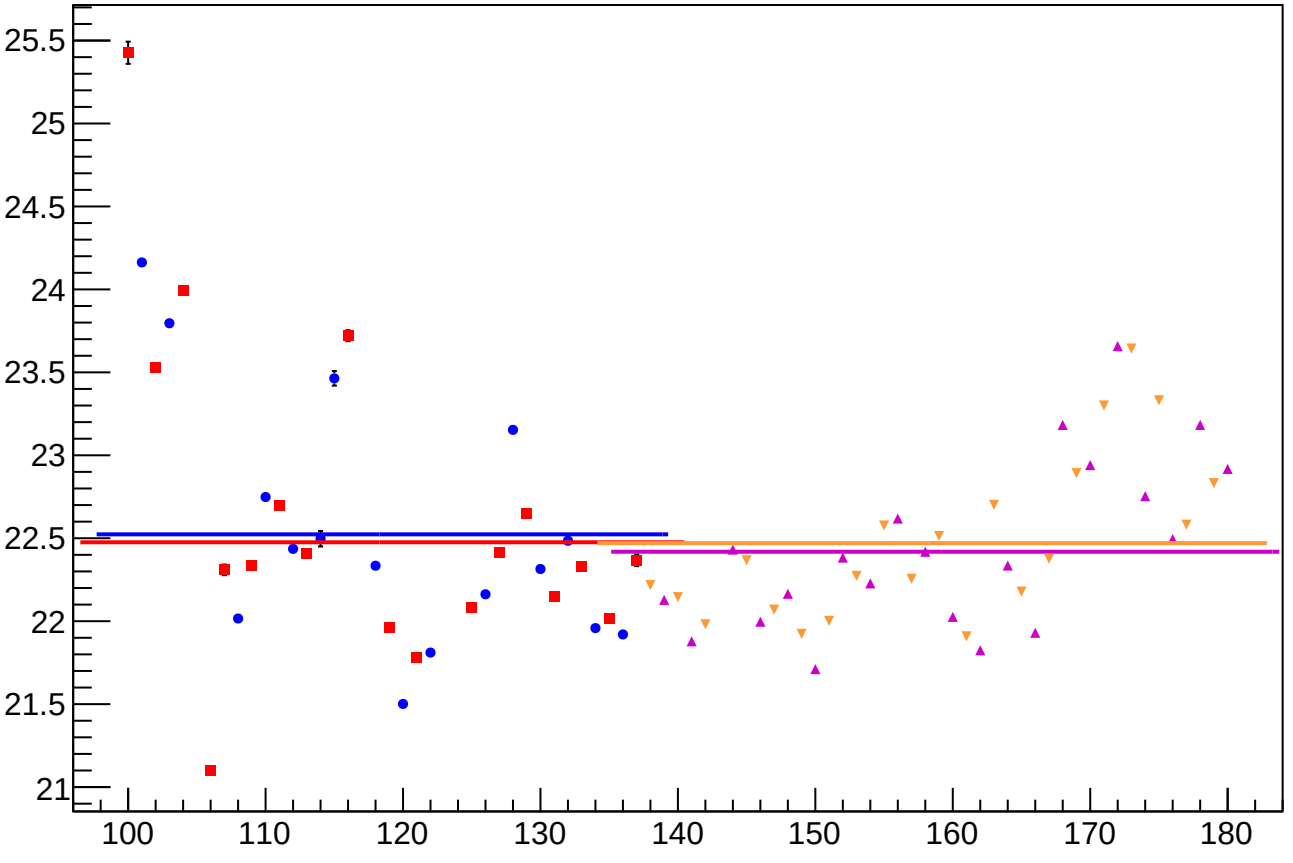
Left In: -5.326+/-5.399 χ^2/NDF:16.5/20

+ sign 8.834+/-4.600 χ^2/NDF: 46.0/36

All: 1.181+/-3.225 χ^2/NDF: 84.1/75

- 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: 22.471+/-0.004 χ^2/NDF:14369.6/20

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

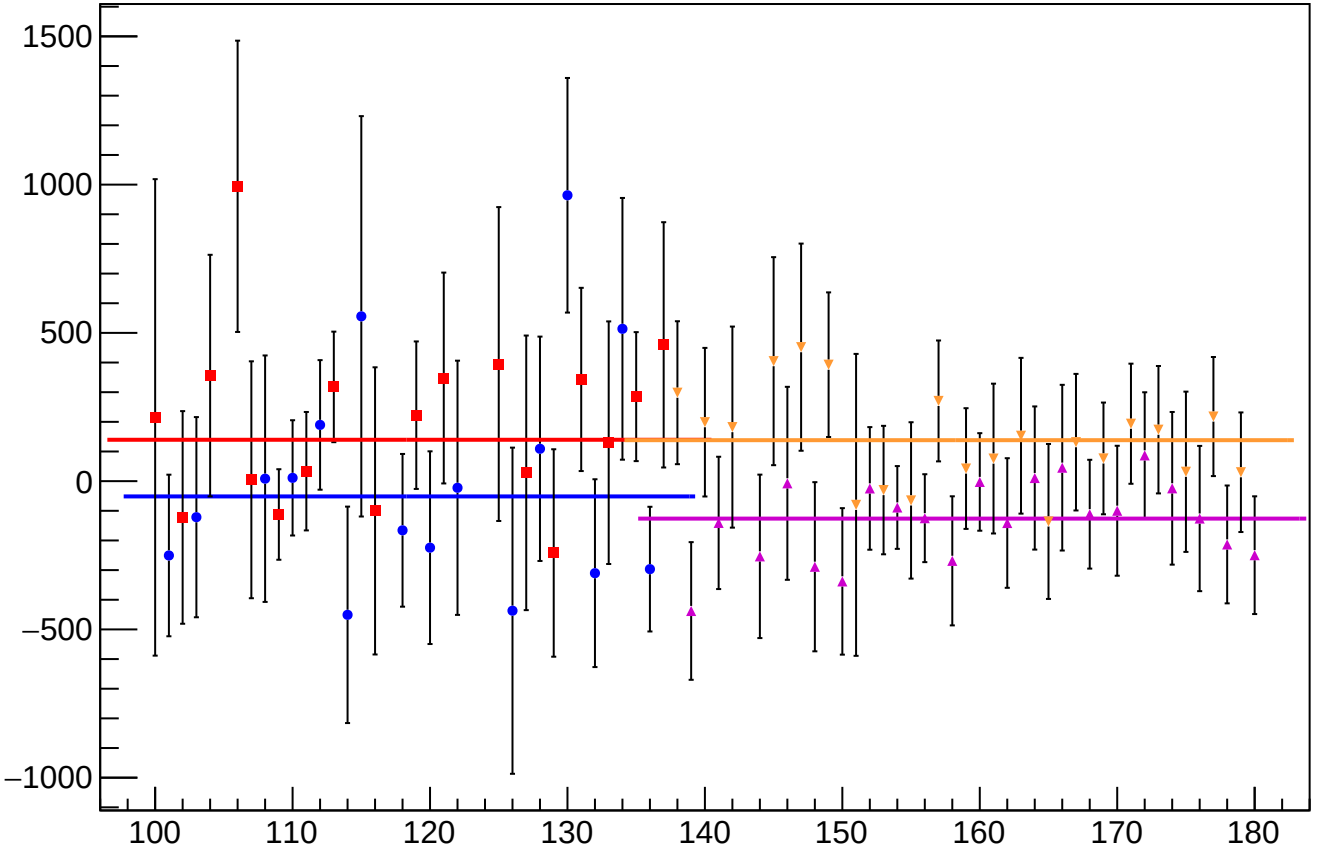
Left In: 22.419+/-0.004 χ^2/NDF:16899.6/20

+ sign 22.487+/-0.003 χ^2/NDF: 30372.9/36

All: 22.461+/-0.002 χ^2/NDF: 63001.0/75

- 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: 138.159+/-52.435 χ^2/NDF:7.0/20

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

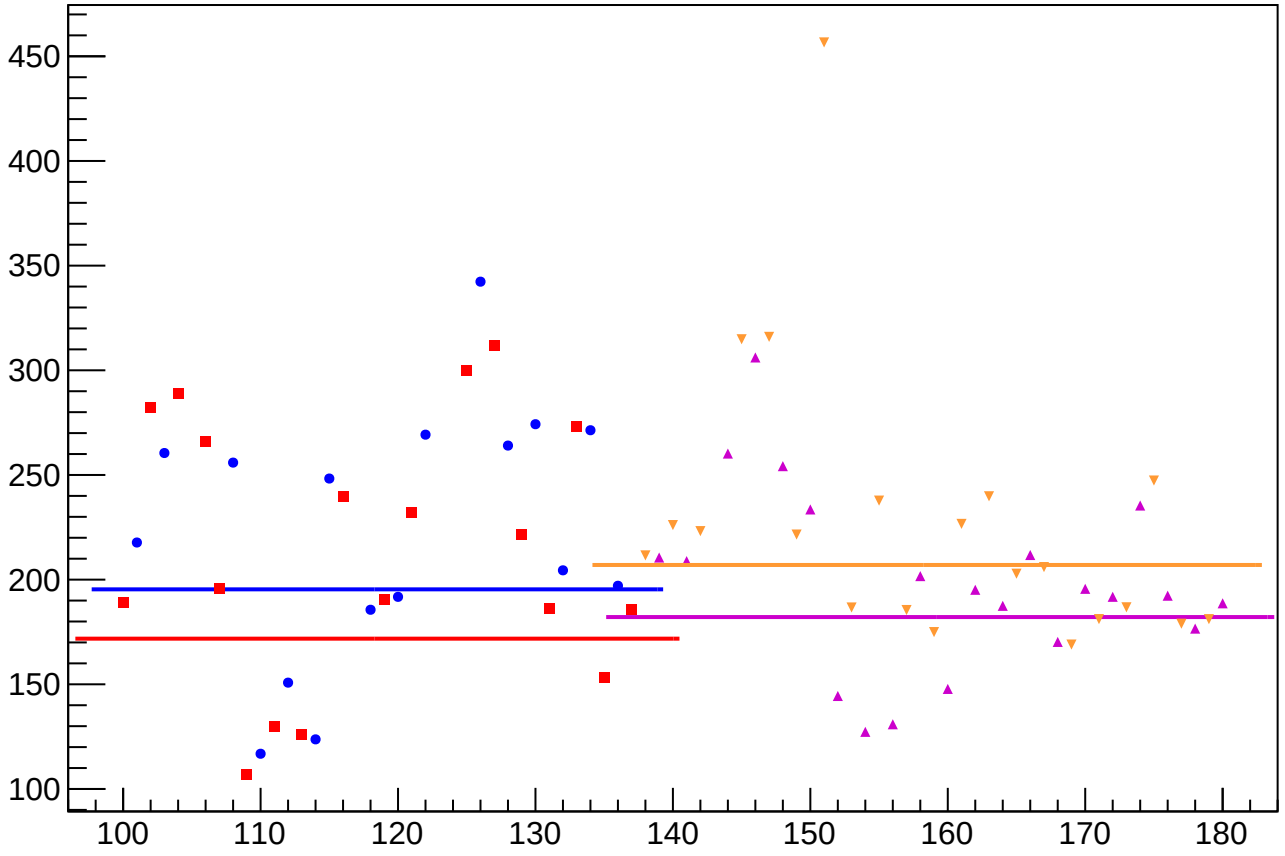
Left In: -126.321+/-45.923 χ^2/NDF:7.0/20

+ sign 77.859+/-43.304 χ^2/NDF: 26.5/36

All: 9.051+/-28.652 χ^2/NDF: 59.8/75

- 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: 207.008+/-0.037 χ^2/NDF:1297177.6/20

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

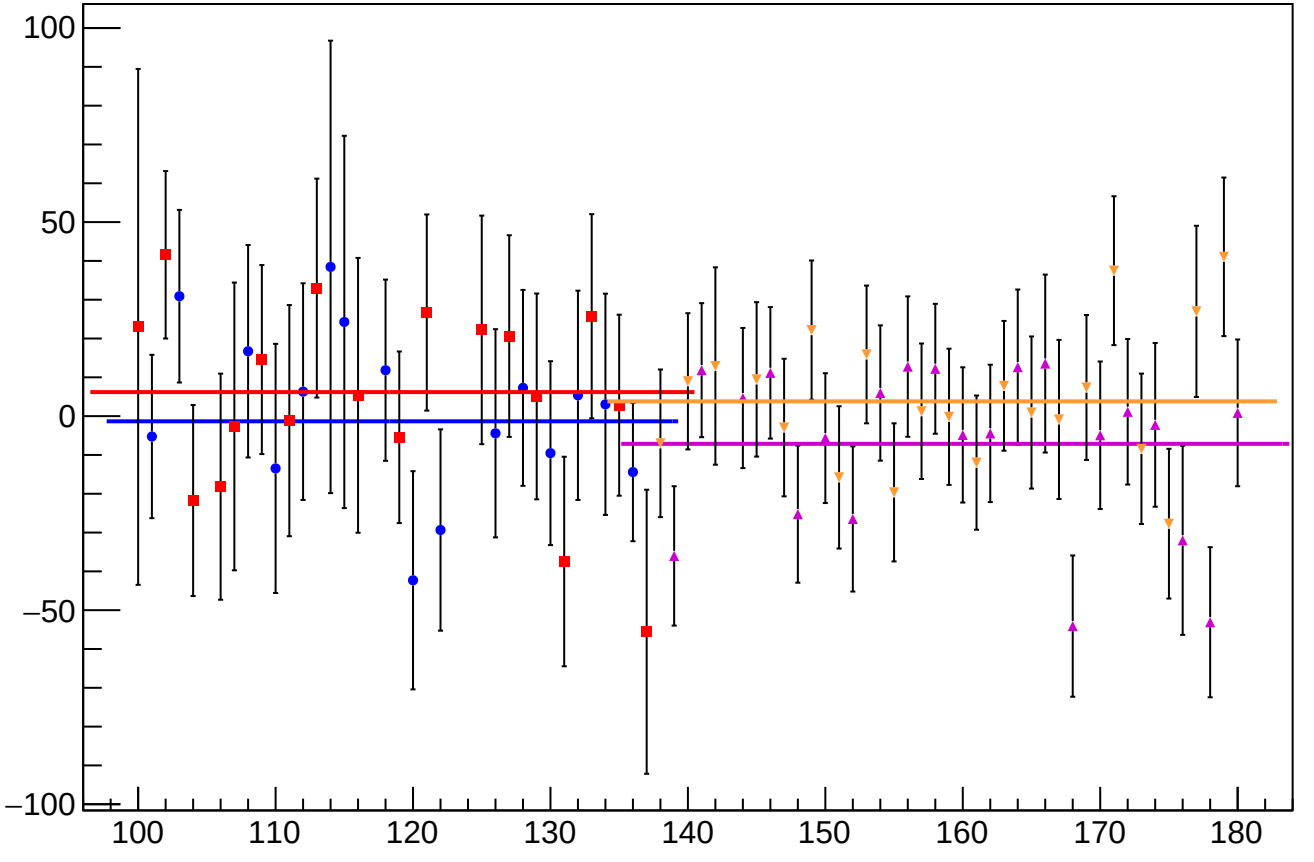
Left In: 182.124+/-0.032 χ^2/NDF:1584794.7/20

+ sign 203.305+/-0.031 χ^2/NDF: 2369986.6/36

All: 189.611+/-0.020 χ^2/NDF: 5942230.9/75

- 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: 3.807+/-4.100 χ^2/NDF:16.8/20

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

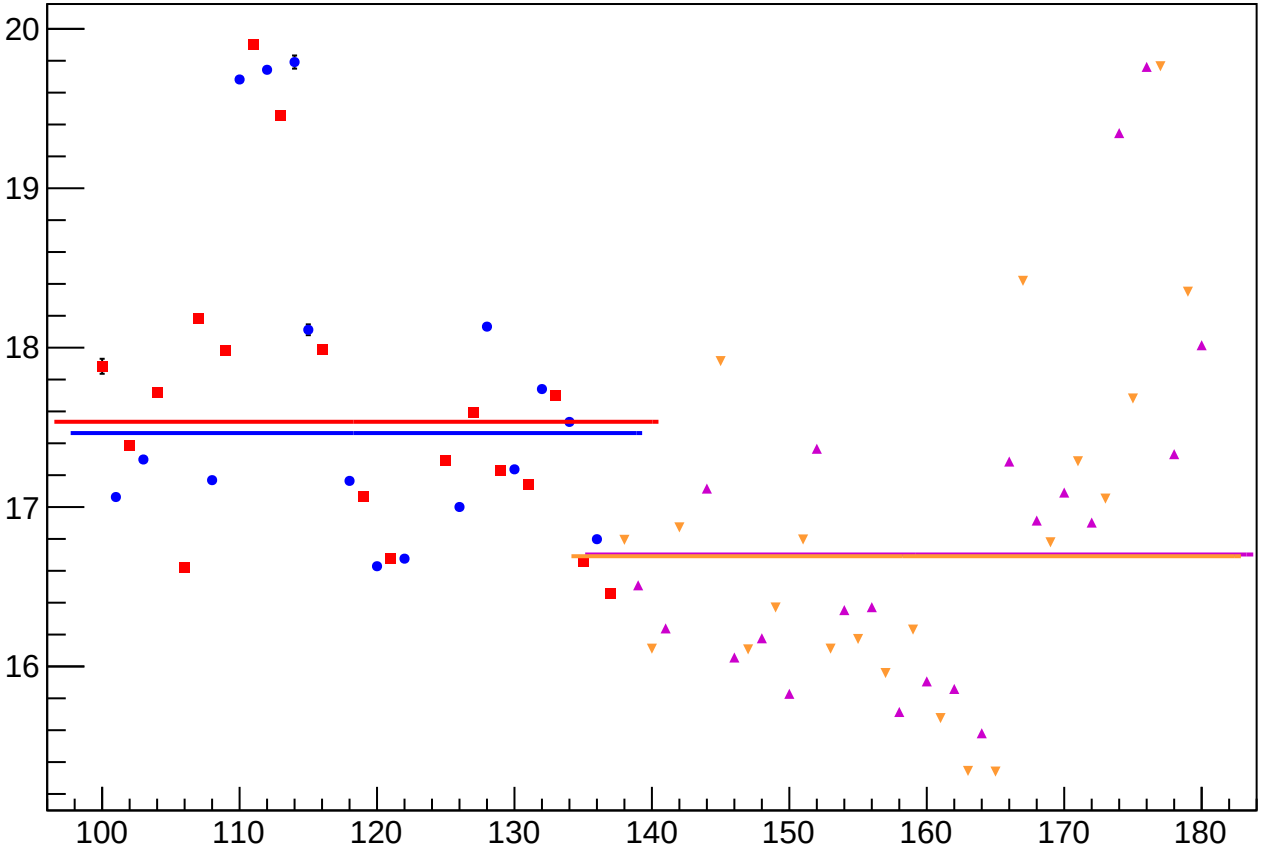
Left In: -7.135+/-4.033 χ^2/NDF:26.2/20

+ sign 2.345+/-3.467 χ^2/NDF: 25.3/36

All: -0.568+/-2.436 χ^2/NDF: 69.4/75

- 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: 16.692+/-0.003 χ^2/NDF:125099.7/20

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

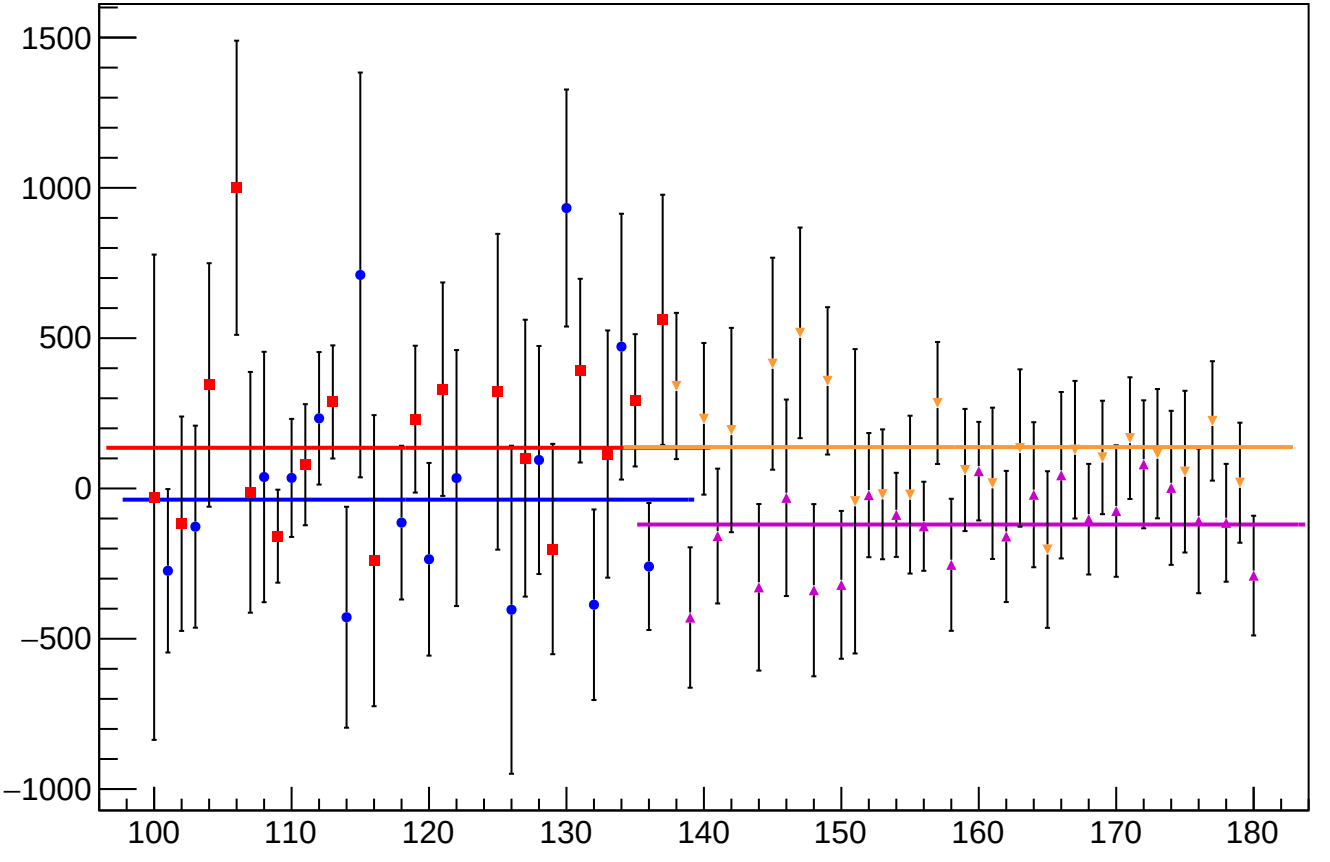
Left In: 16.702+/-0.003 χ^2/NDF:116179.5/20

+ sign 16.911+/-0.002 χ^2/NDF: 181972.9/36

All: 16.924+/-0.002 χ^2/NDF: 356515.7/75

- 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: 137.632+/-52.344 χ^2/NDF:7.8/20

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

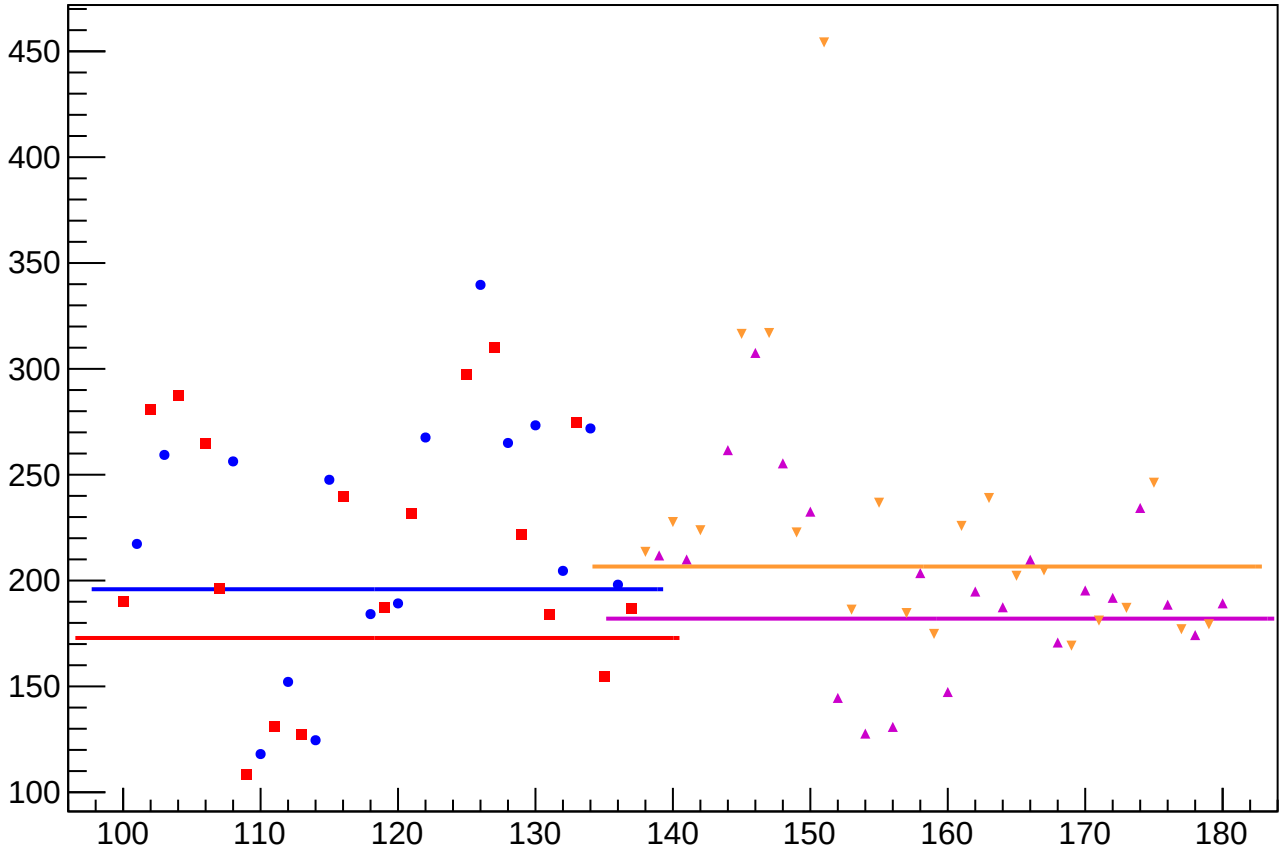
Left In: -119.965+/-45.891 χ^2/NDF:7.9/20

+ sign 82.278+/-43.274 χ^2/NDF: 27.0/36

All: 12.529+/-28.654 χ^2/NDF: 61.8/75

- 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: 206.626+/-0.037 χ^2/NDF:1311537.4/20

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

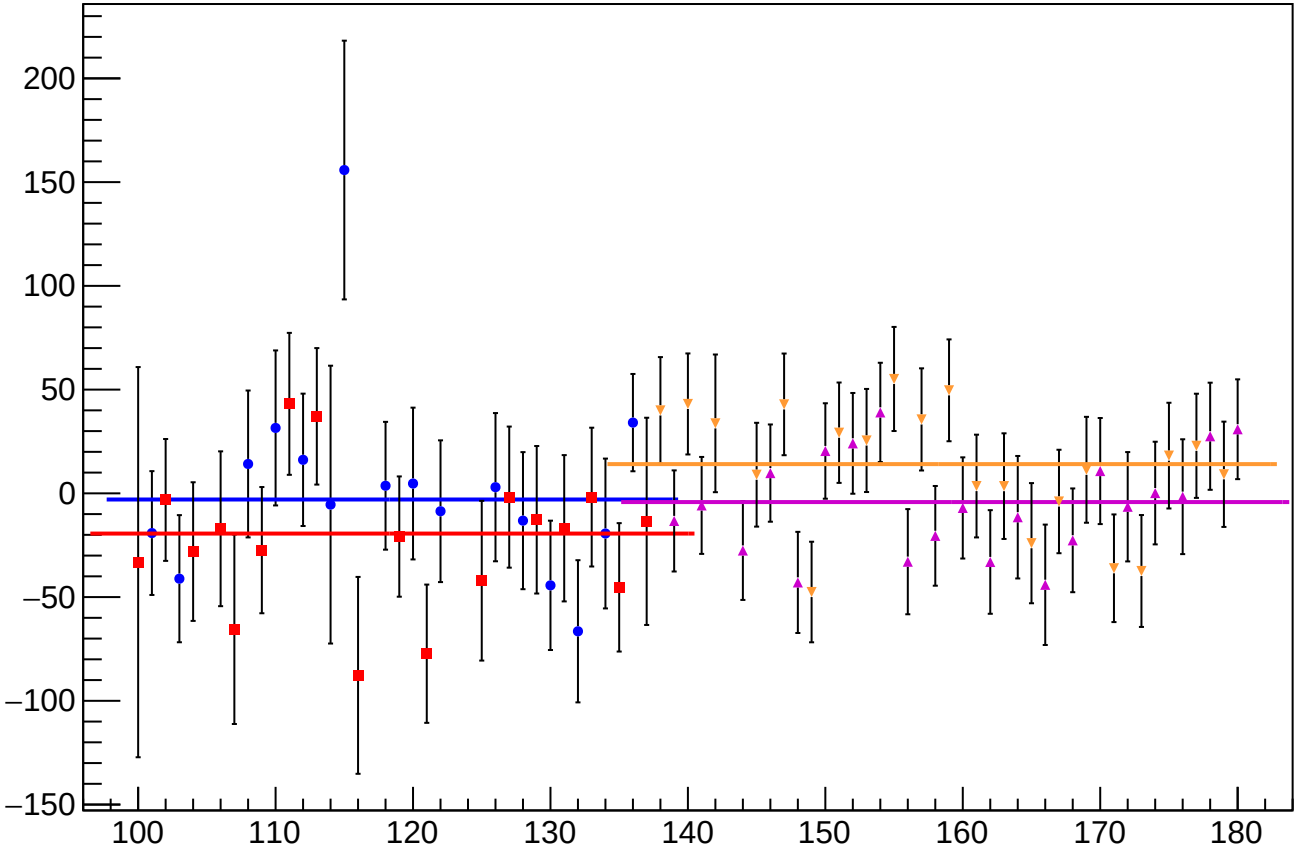
Left In: 182.012+/-0.032 χ^2/NDF:1591040.5/20

+ sign 203.231+/-0.031 χ^2/NDF: 2349133.5/36

All: 189.747+/-0.020 χ^2/NDF: 5853490.8/75

- 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: 14.089+/-5.559 χ^2/NDF:27.0/20

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

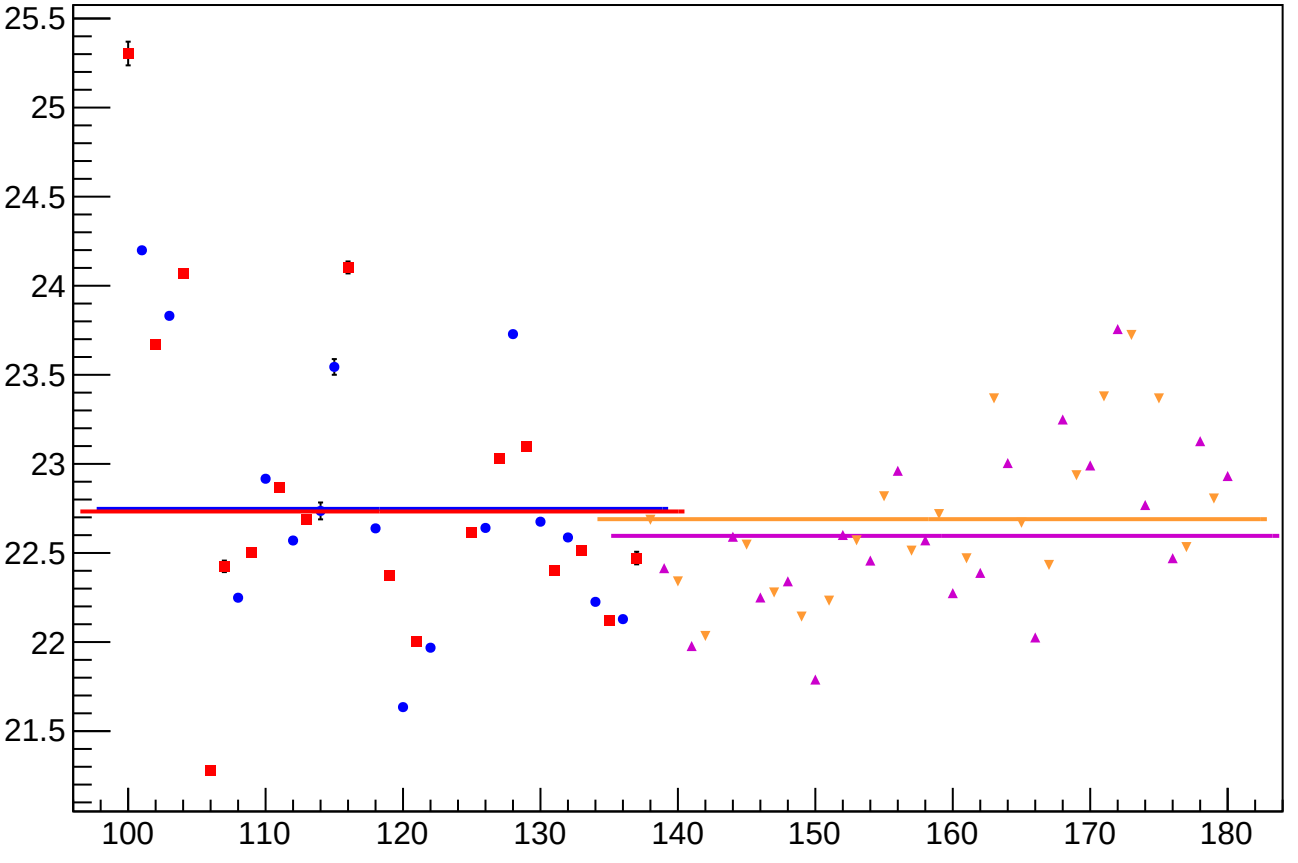
Left In: -4.204+/-5.442 χ^2/NDF:19.4/20

+ sign 8.940+/-4.645 χ^2/NDF: 47.8/36

All: -0.038+/-3.256 χ^2/NDF: 91.3/75

- 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: 22.690+/-0.004 χ^2/NDF:11621.6/20

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

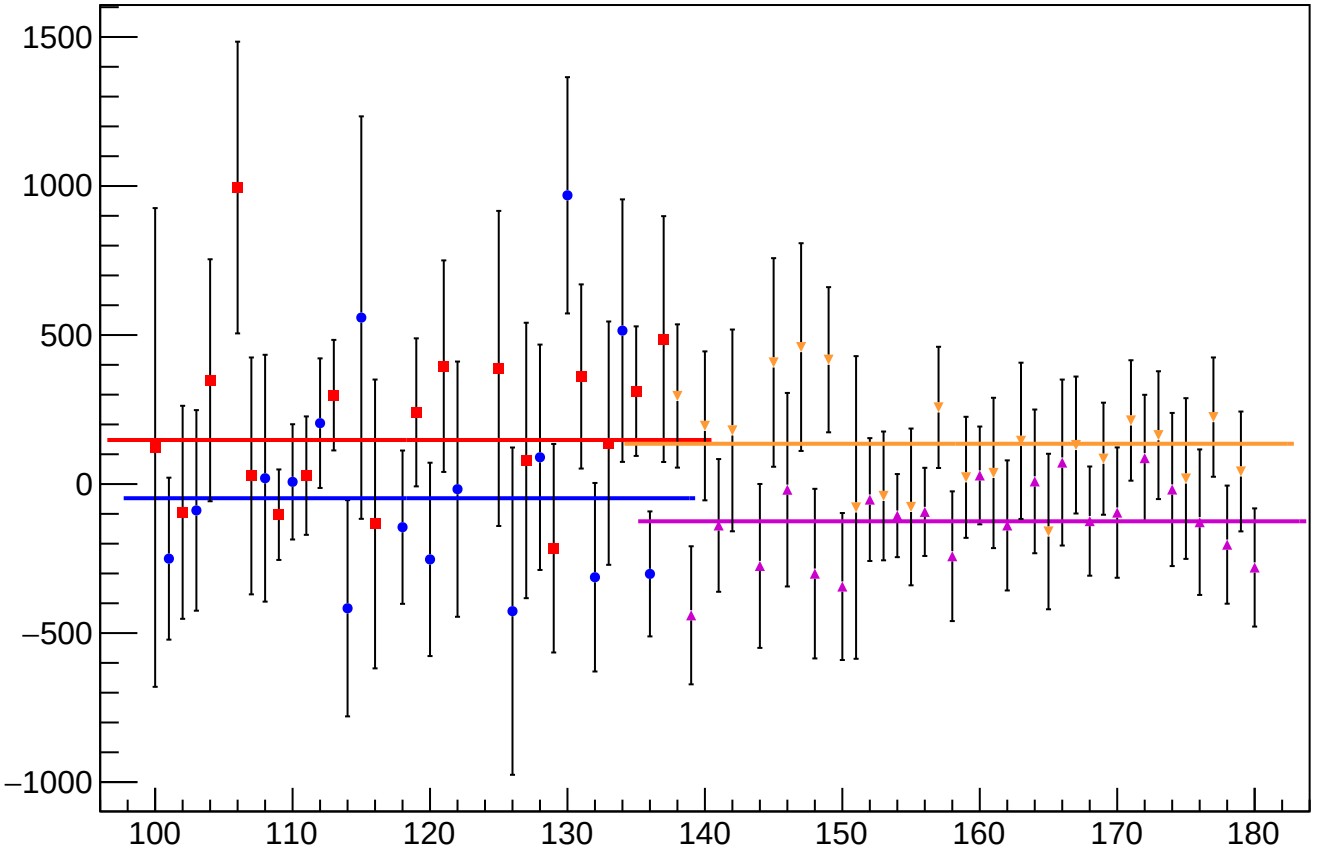
Left In: 22.596+/-0.004 χ^2/NDF:13851.7/20

+ sign 22.707+/-0.003 χ^2/NDF: 26309.5/36

All: 22.671+/-0.002 χ^2/NDF: 55160.6/75

- 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: 135.223+/-52.314 χ^2/NDF:7.8/20

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

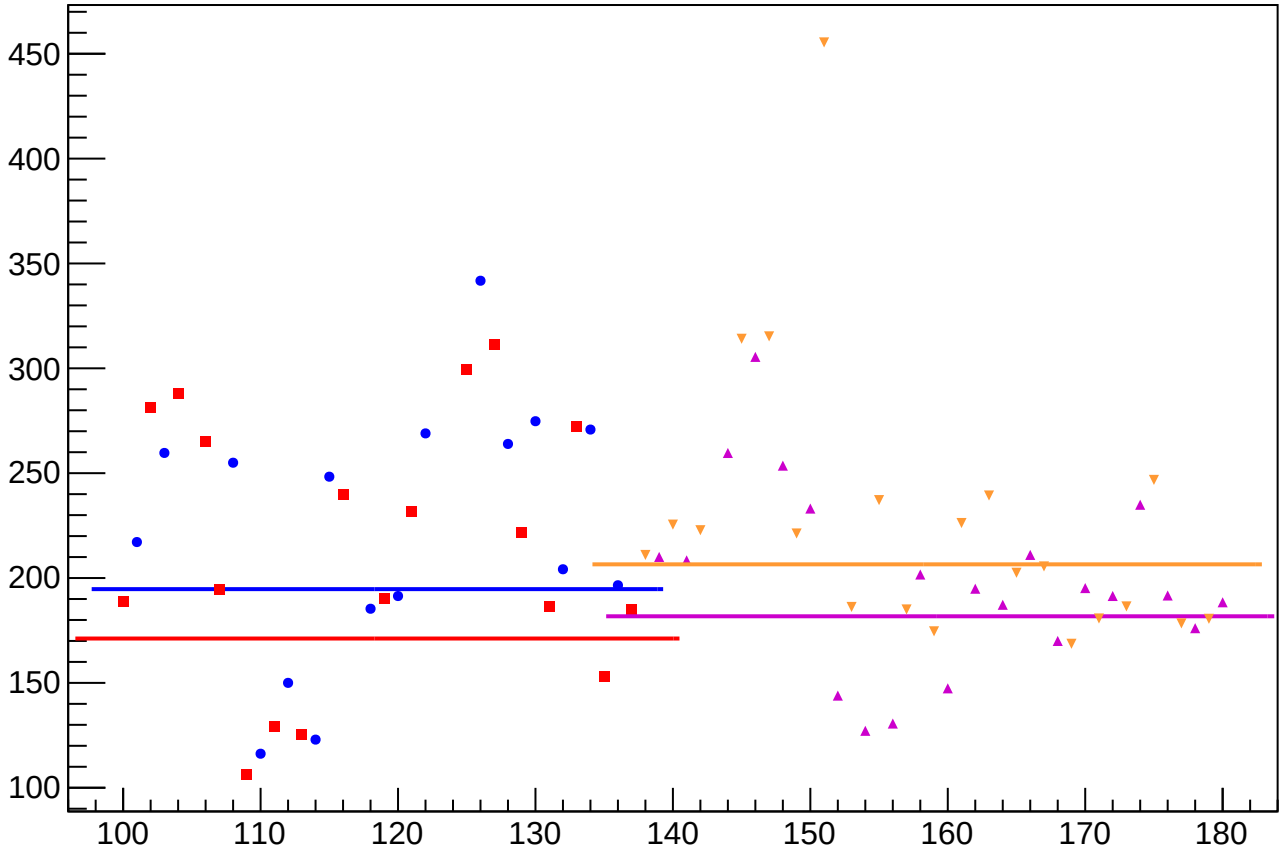
Left In: -124.938+/-45.831 χ^2/NDF:7.6/20

+ sign 77.067+/-43.195 χ^2/NDF: 27.0/36

All: 10.764+/-28.581 χ^2/NDF: 61.2/75

- 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: 206.530+/-0.037 χ^2/NDF:1297767.0/20

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

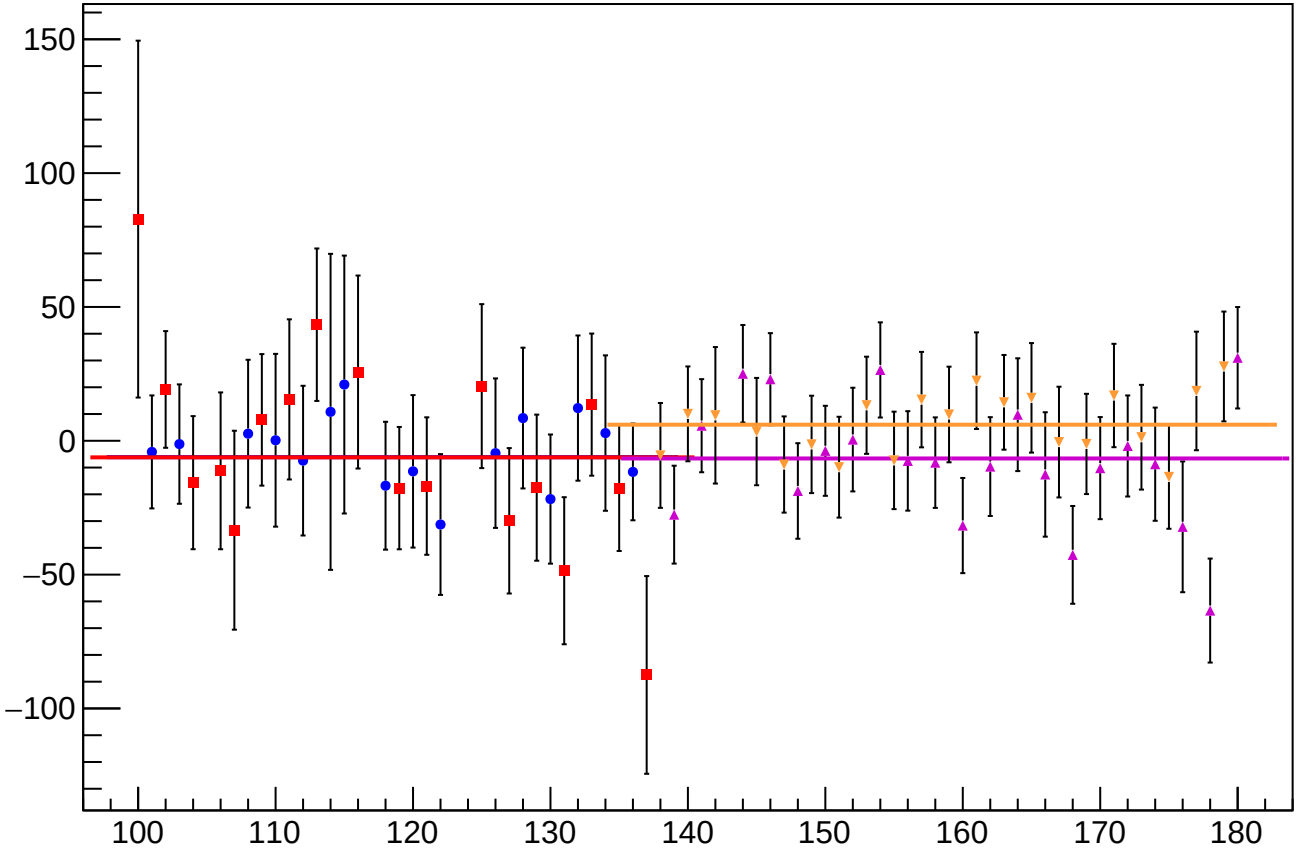
Left In: 181.759+/-0.032 χ^2/NDF:1584647.7/20

+ sign 202.768+/-0.031 χ^2/NDF: 2382558.6/36

All: 189.119+/-0.020 χ^2/NDF: 5967296.1/75

- 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: 6.013+/-4.177 χ^2/NDF:7.4/20

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

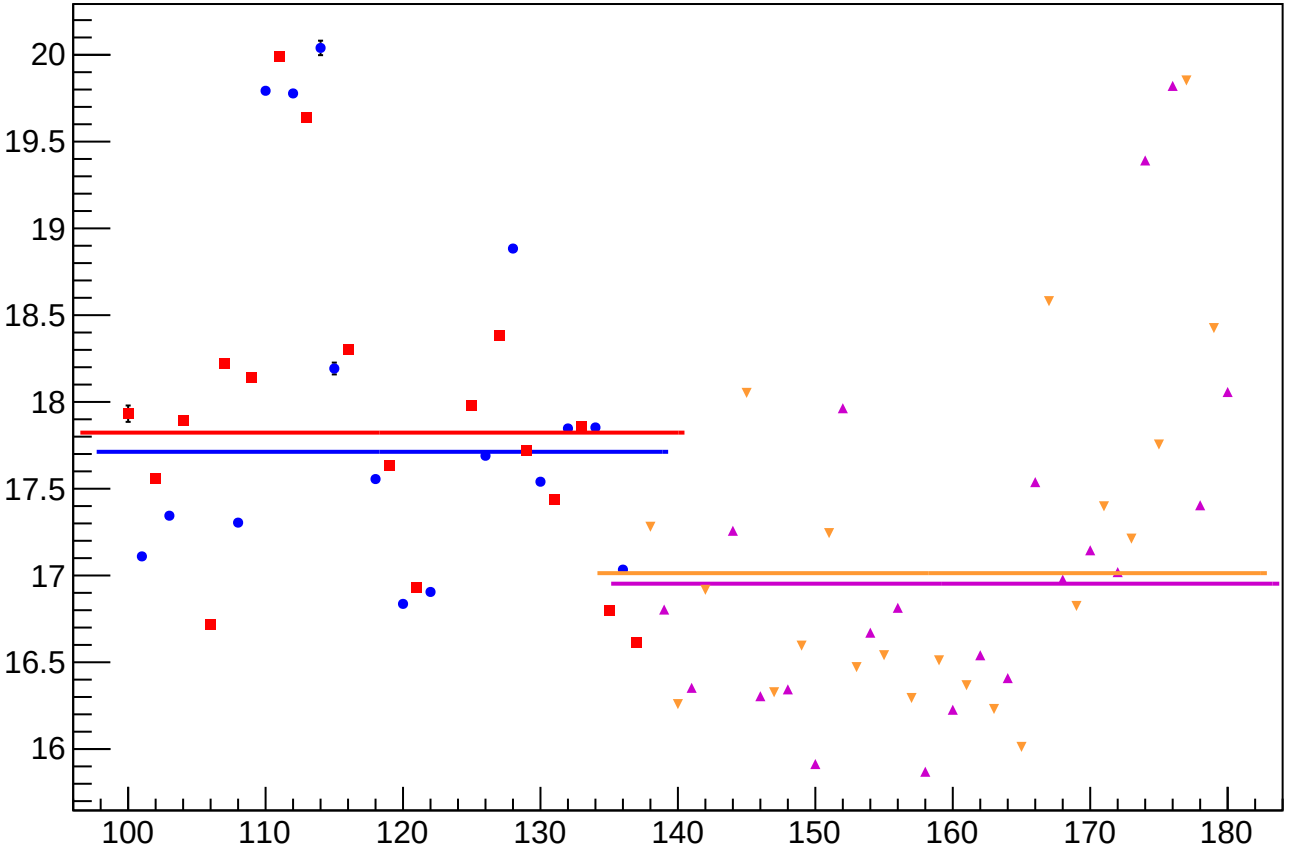
Left In: -6.604+/-4.093 χ^2/NDF:32.2/20

+ sign 2.537+/-3.529 χ^2/NDF: 12.9/36

All: -2.045+/-2.476 χ^2/NDF: 67.0/75

- 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: 17.013+/-0.003 χ^2/NDF:90827.5/20

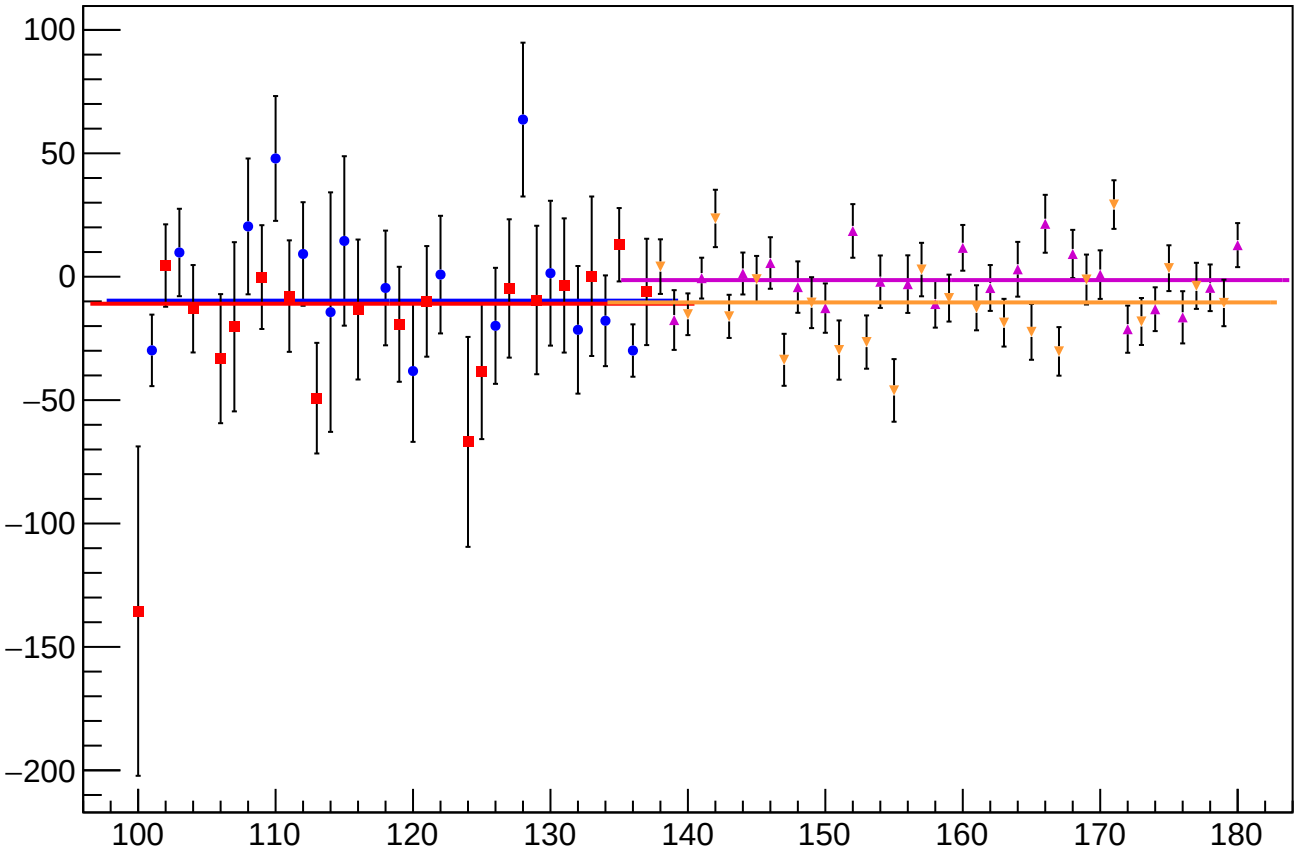
Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.953+/-0.003 χ^2/NDF:99353.8/20

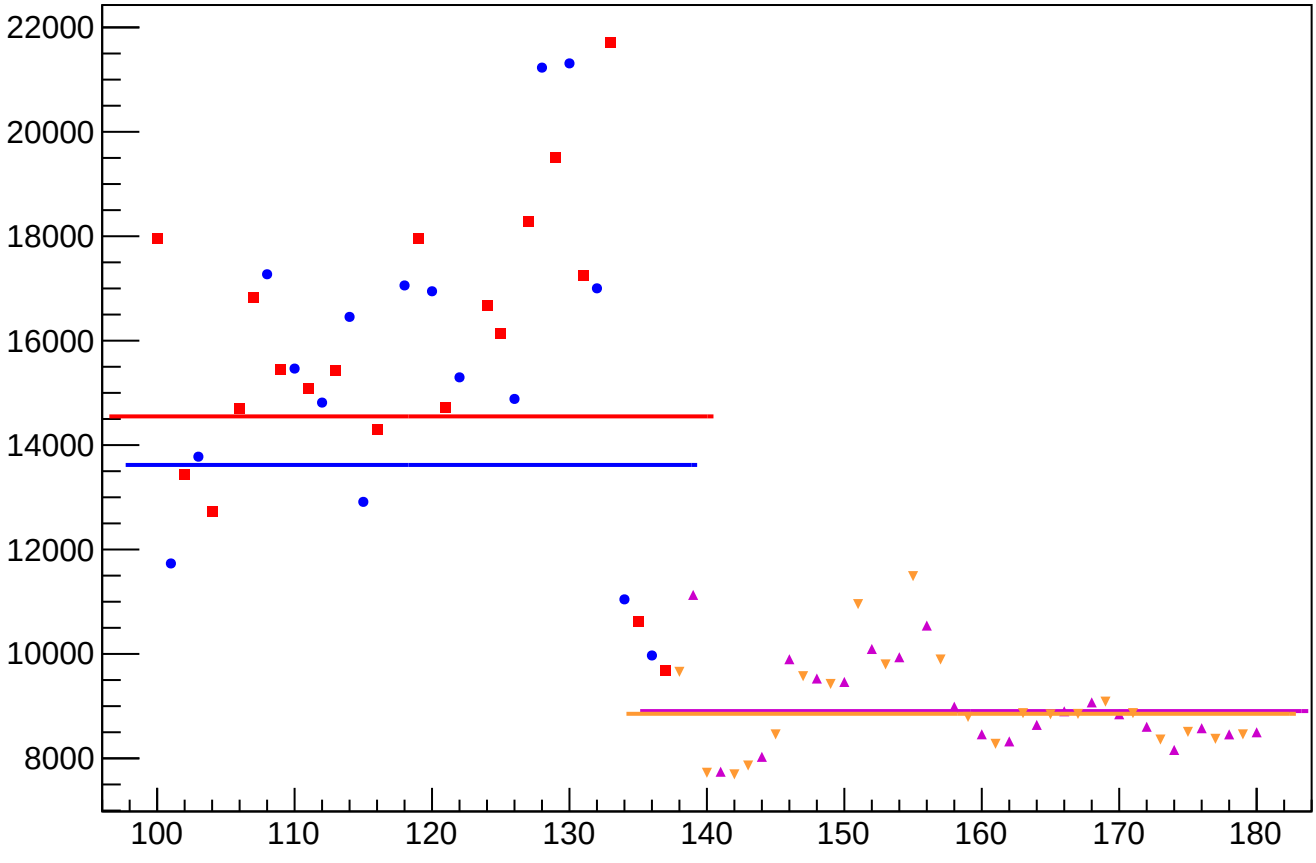
+ sign 17.214+/-0.002 χ^2/NDF: 142862.8/36

All: 17.205+/-0.002 χ^2/NDF: 299977.3/75

- 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: -10.411+/-2.133 χ²/NDF:57.5/21
Right Out: -10.938+/-5.436 χ²/NDF: 14.1/18
Left In: -1.371+/-2.157 χ²/NDF:26.1/20
+ sign -10.310+/-1.975 χ²/NDF: 79.6/37
All: -6.548+/-1.407 χ²/NDF: 129.8/77
- 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: 8853.444+/-1.508 χ^2/NDF:318186.3/21

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

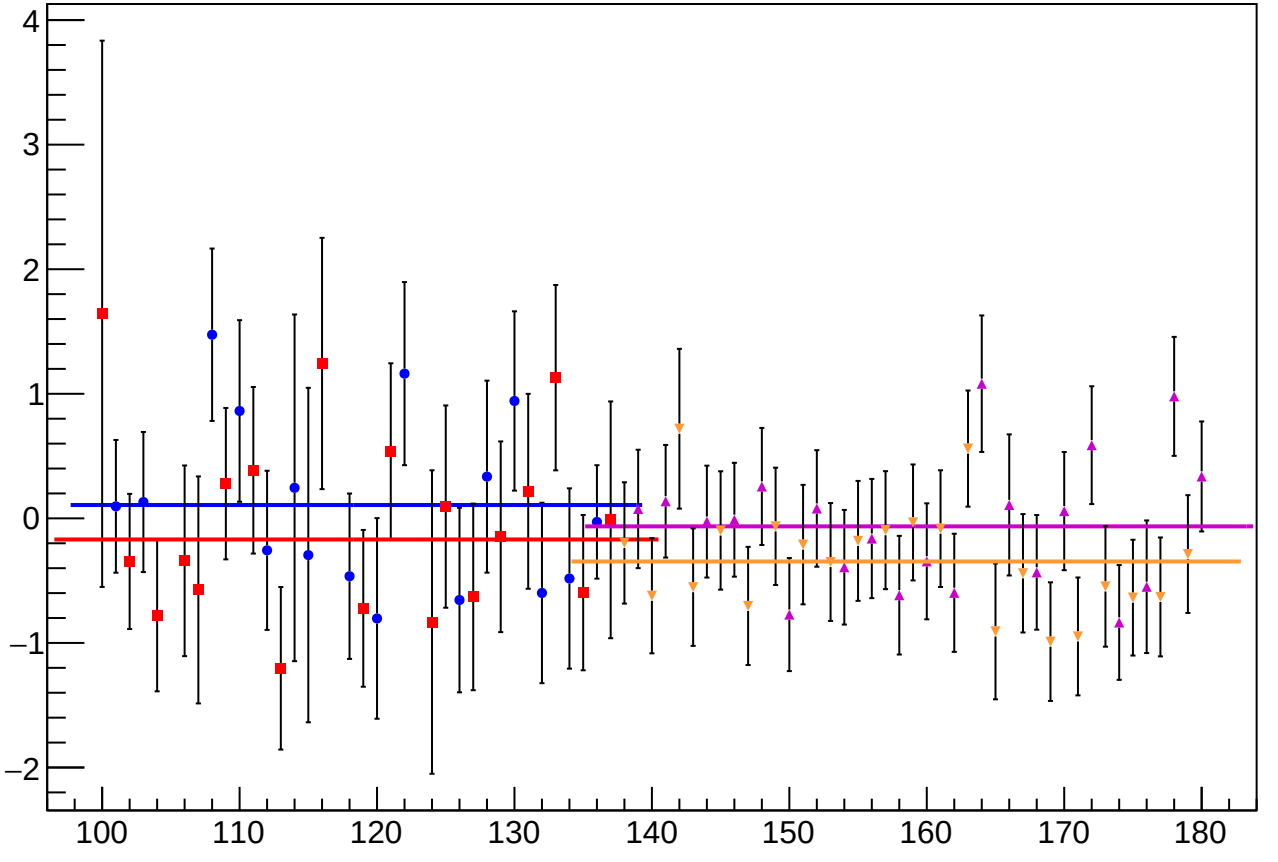
Left In: 8905.472+/-1.525 χ^2/NDF:282904.7/20

+ sign 9532.726+/-1.396 χ^2/NDF: 2488820.1/37

All: 9601.858+/-0.995 χ^2/NDF: 5195353.4/77

- 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: -0.346+/-0.103 χ^2/NDF:15.1/21

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

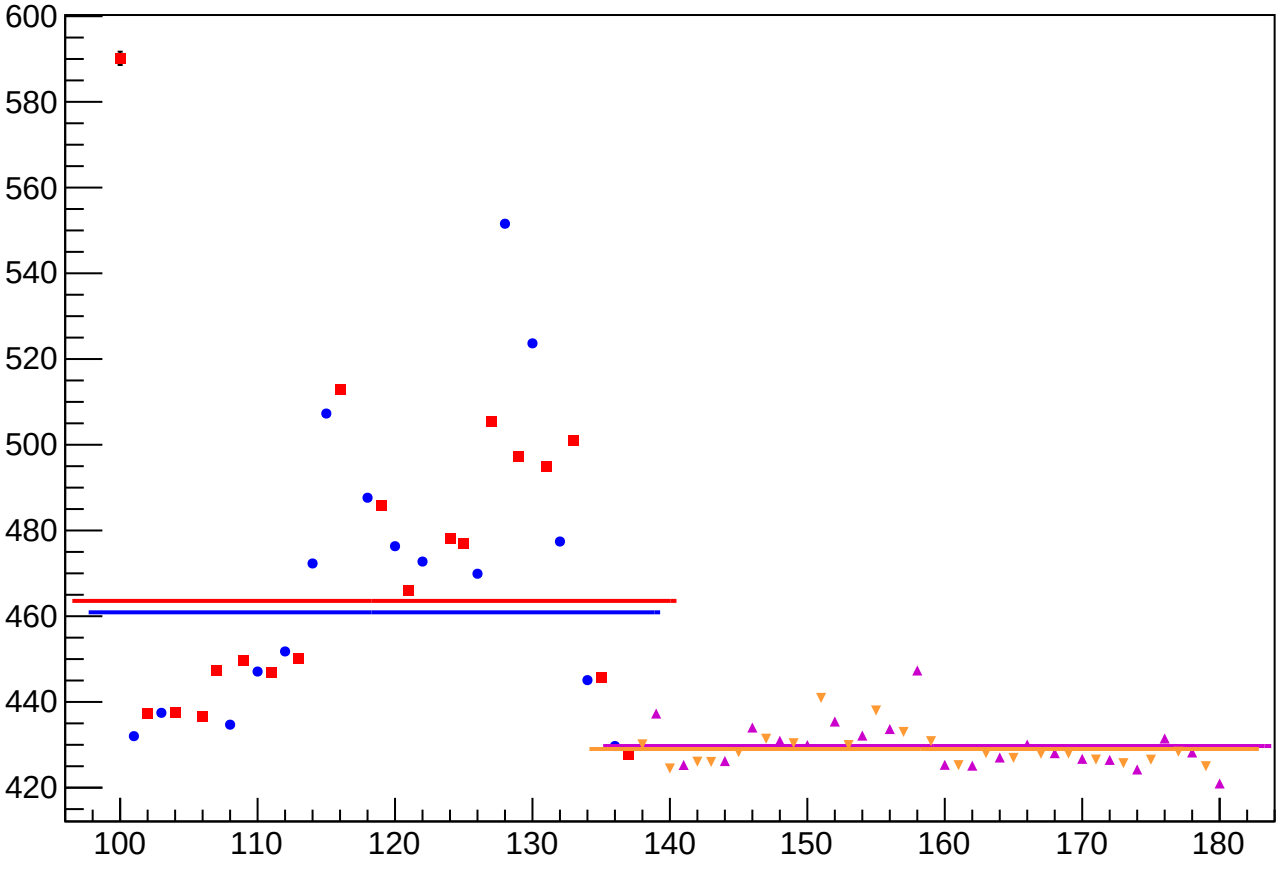
Left In: -0.064+/-0.103 χ^2/NDF:23.1/20

+ sign -0.227+/-0.088 χ^2/NDF: 33.9/37

All: -0.160+/-0.062 χ^2/NDF: 72.6/77

- 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: 429.028+/-0.073 χ^2/NDF:3054.3/21

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

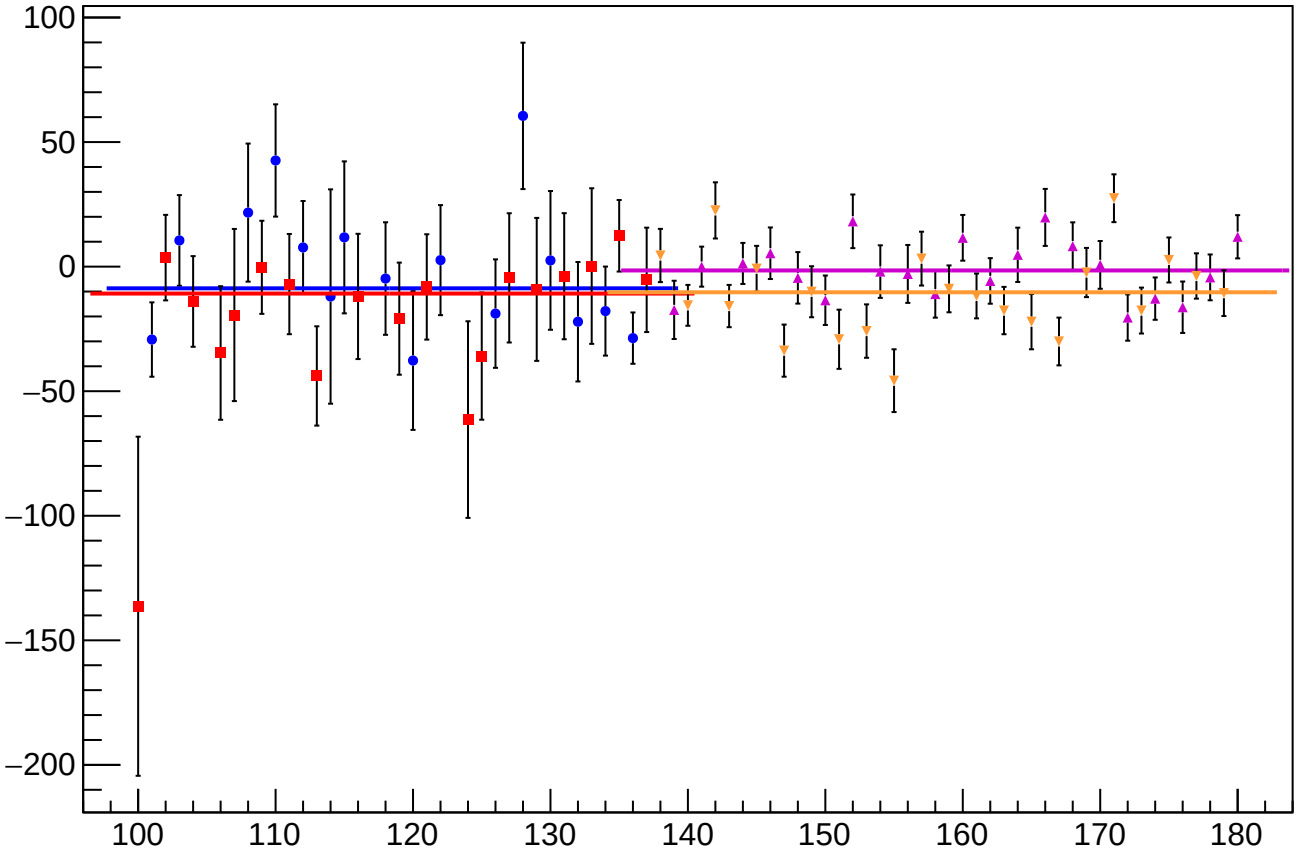
Left In: 429.715+/-0.073 χ^2/NDF:5960.9/20

+ sign 437.414+/-0.062 χ^2/NDF: 128786.2/37

All: 438.161+/-0.044 χ^2/NDF: 245381.6/77

- sign 438.911+/-0.062 χ^2/NDF: 116307.2/39

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.292+/-2.088 χ^2/NDF:56.8/21

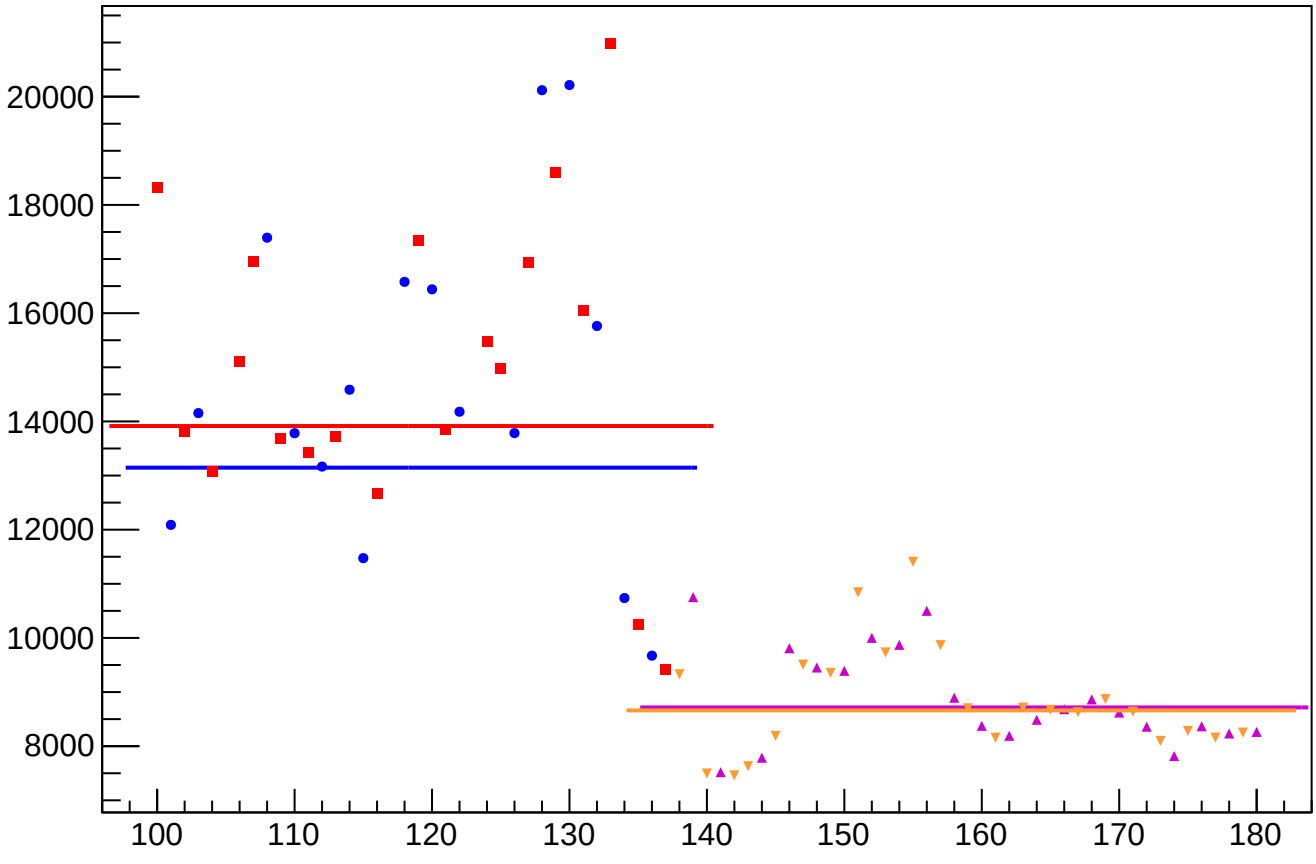
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -1.534+/-2.112 χ^2/NDF:26.0/20

+ sign -10.060+/-1.929 χ^2/NDF: 79.2/37

All: -6.507+/-1.373 χ^2/NDF: 128.6/77

- sign -2.851+/-1.956 χ^2/NDF: 42.6/39



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8661.205+/-1.476 χ^2/NDF:363580.6/21

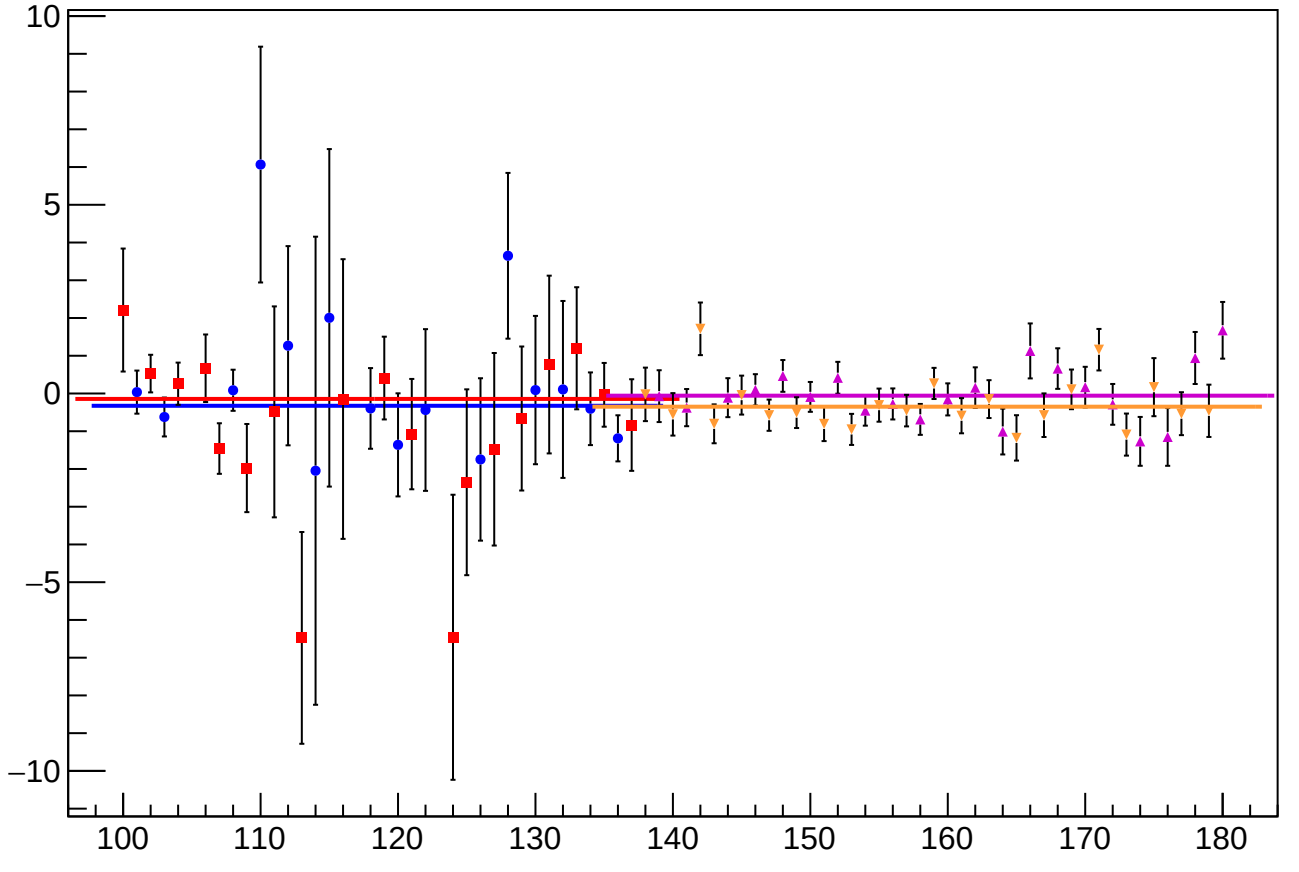
Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8716.073+/-1.494 χ^2/NDF:322032.6/20

+ sign 9319.059+/-1.364 χ^2/NDF: 2399723.7/37

All: 9385.744+/-0.971 χ^2/NDF: 4958306.0/77

- sign 9454.360+/-1.383 χ^2/NDF: 2553731.3/39



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.350+/-0.108 χ^2/NDF:29.2/21

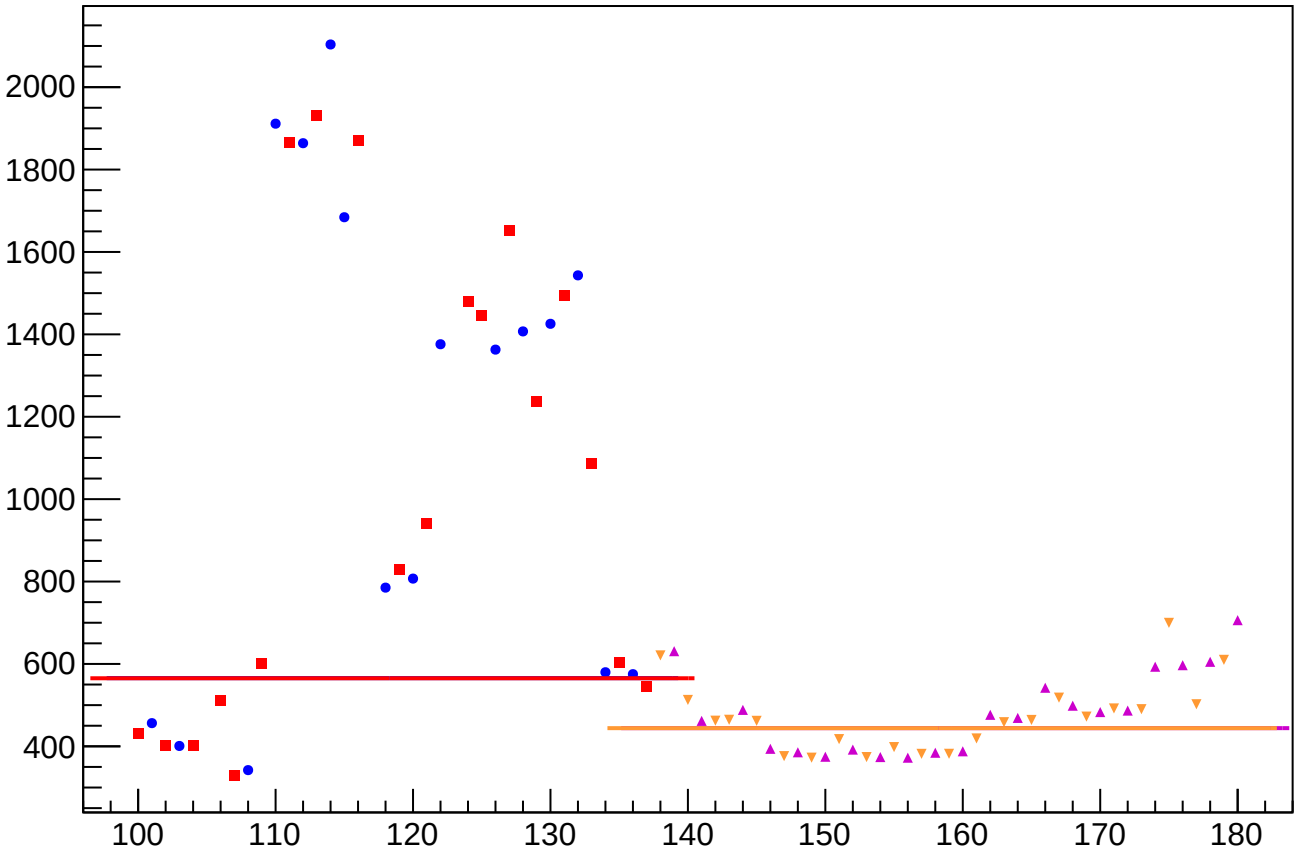
Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: -0.058+/-0.109 χ^2/NDF:27.4/20

+ sign -0.346+/-0.099 χ^2/NDF: 41.8/37

All: -0.210+/-0.070 χ^2/NDF: 95.6/77

- 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: 444.121+/-0.076 χ^2/NDF:886557.3/21

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

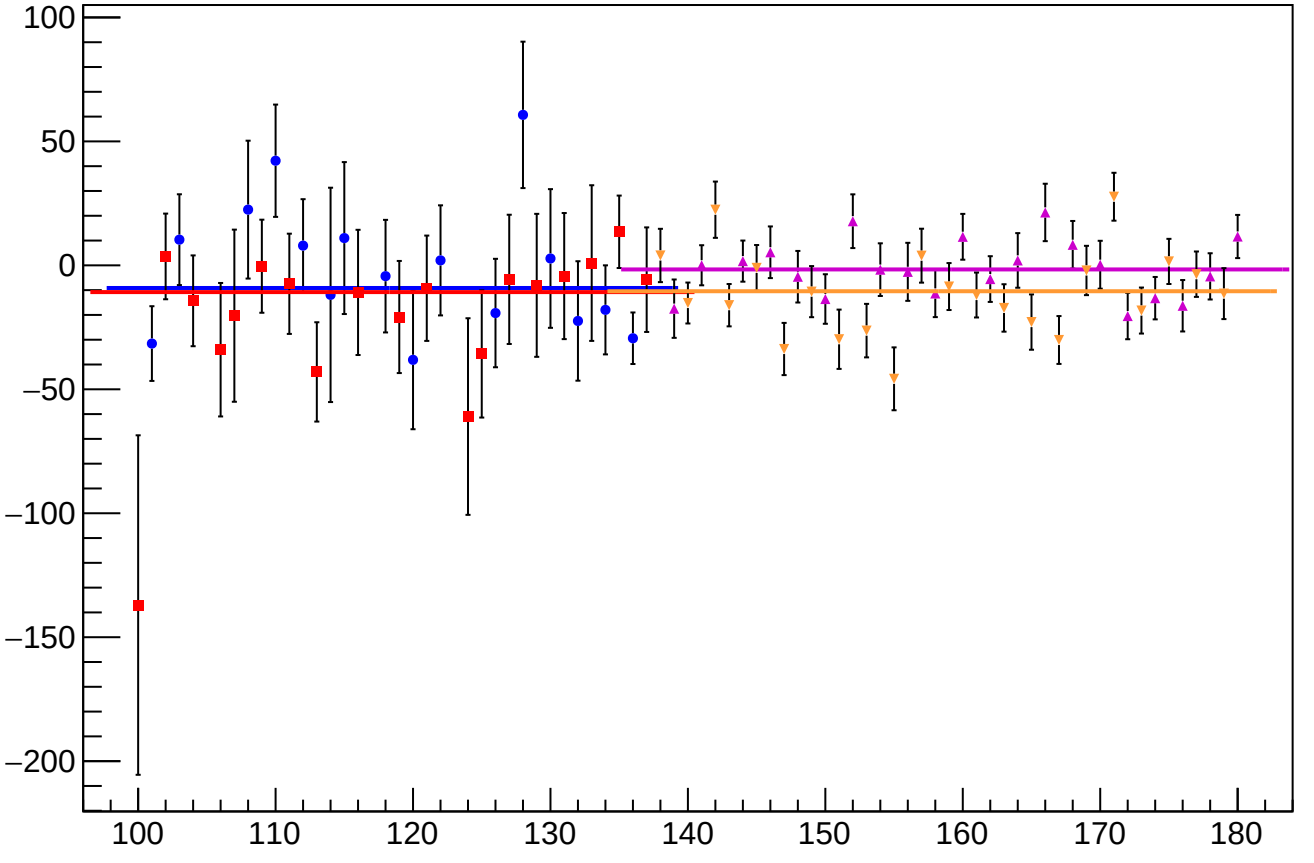
Left In: 444.147+/-0.077 χ^2/NDF:1154077.2/20

+ sign 464.046+/-0.070 χ^2/NDF: 4750574.1/37

All: 464.209+/-0.050 χ^2/NDF: 9885232.9/77

- 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: -10.441+/-2.112 χ^2/NDF:56.5/21

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

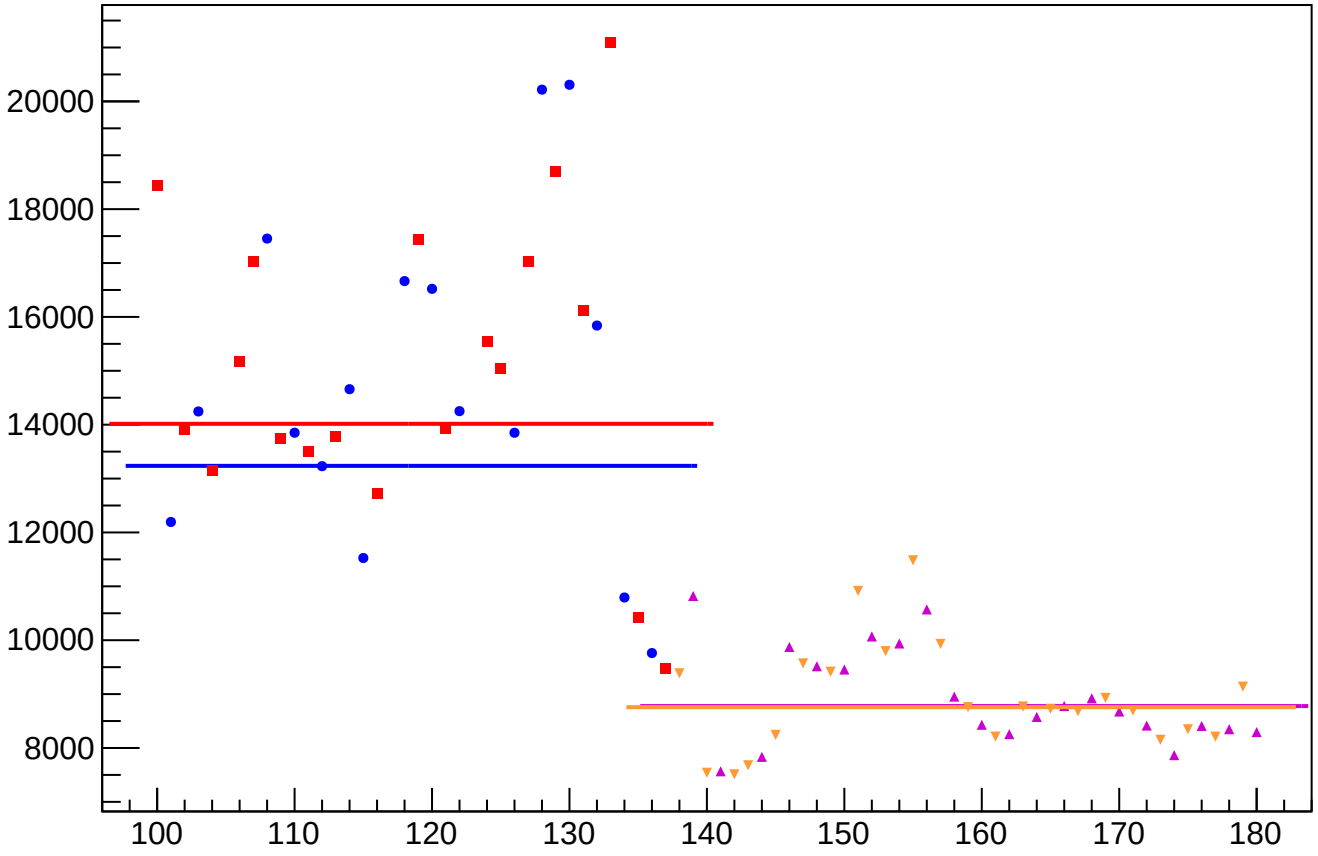
Left In: -1.648+/-2.127 χ^2/NDF:25.9/20

+ sign -10.247+/-1.950 χ^2/NDF: 79.3/37

All: -6.635+/-1.386 χ^2/NDF: 128.4/77

- 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: 8757.434+/-1.493 χ^2/NDF:362622.7/21

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

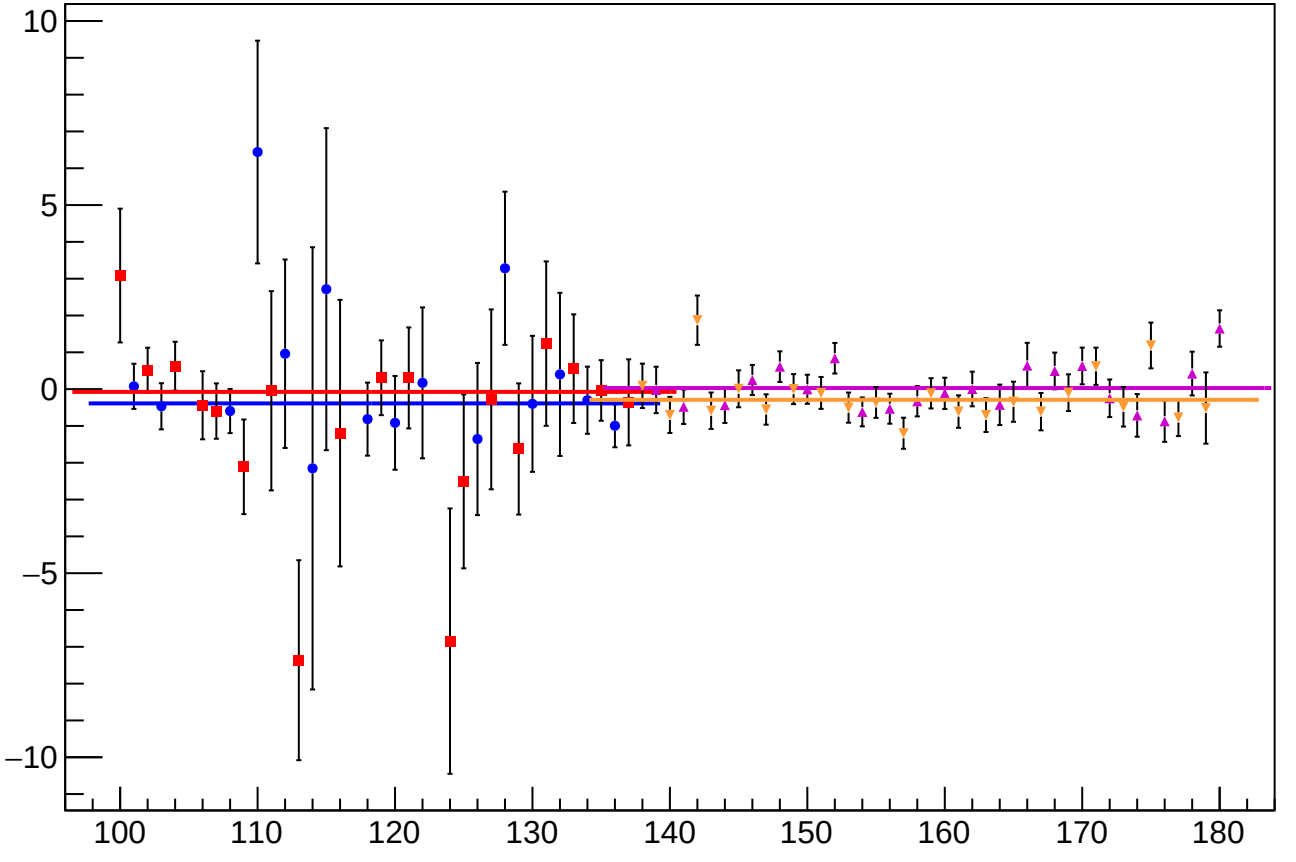
Left In: 8777.547+/-1.504 χ^2/NDF:321528.2/20

+ sign 9419.811+/-1.379 χ^2/NDF: 2366579.0/37

All: 9470.224+/-0.980 χ^2/NDF: 4912563.6/77

- 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: -0.291+/-0.103 χ^2/NDF:30.3/21

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

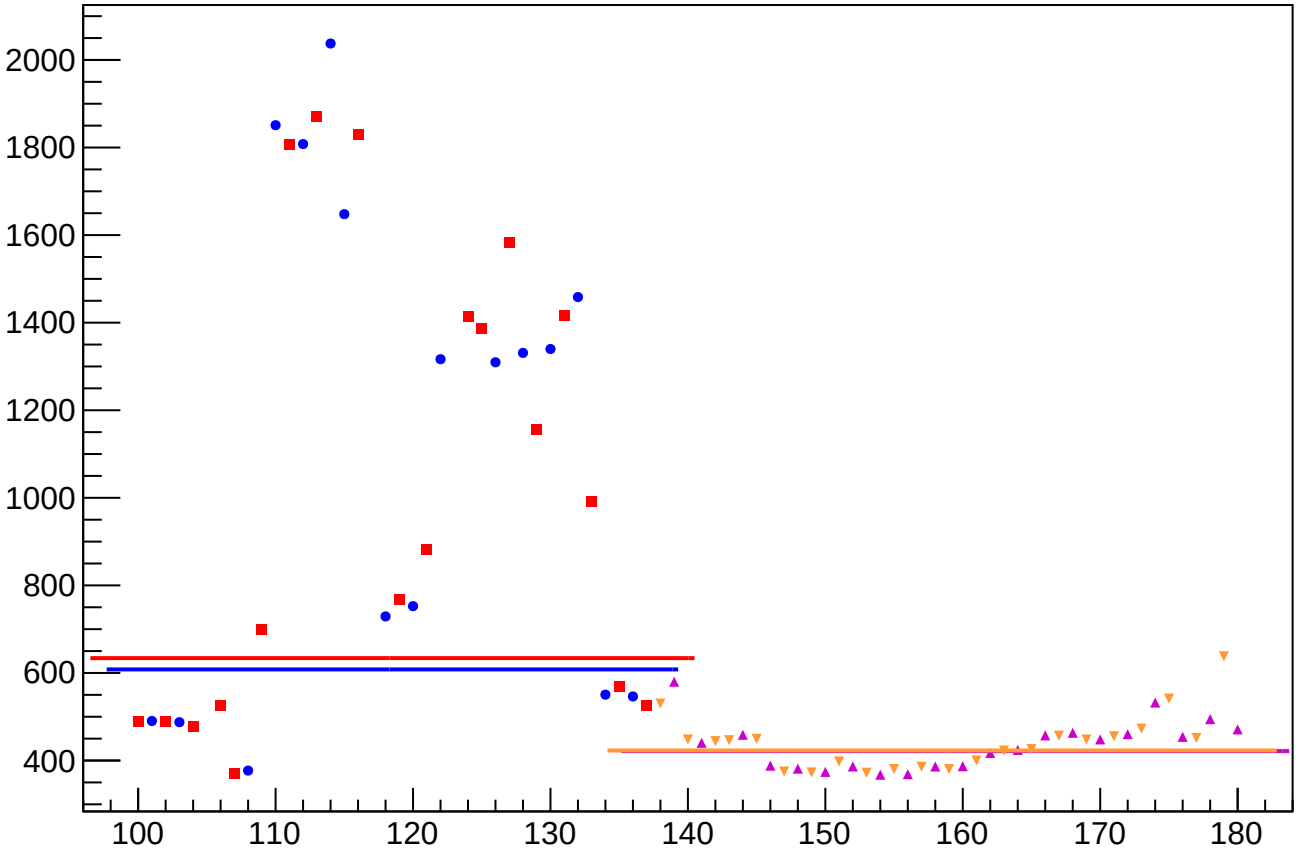
Left In: 0.029+/-0.103 χ^2/NDF:33.3/20

+ sign -0.304+/-0.096 χ^2/NDF: 42.1/37

All: -0.144+/-0.068 χ^2/NDF: 102.8/77

- 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: 422.948+/-0.073 χ^2/NDF:455620.5/21

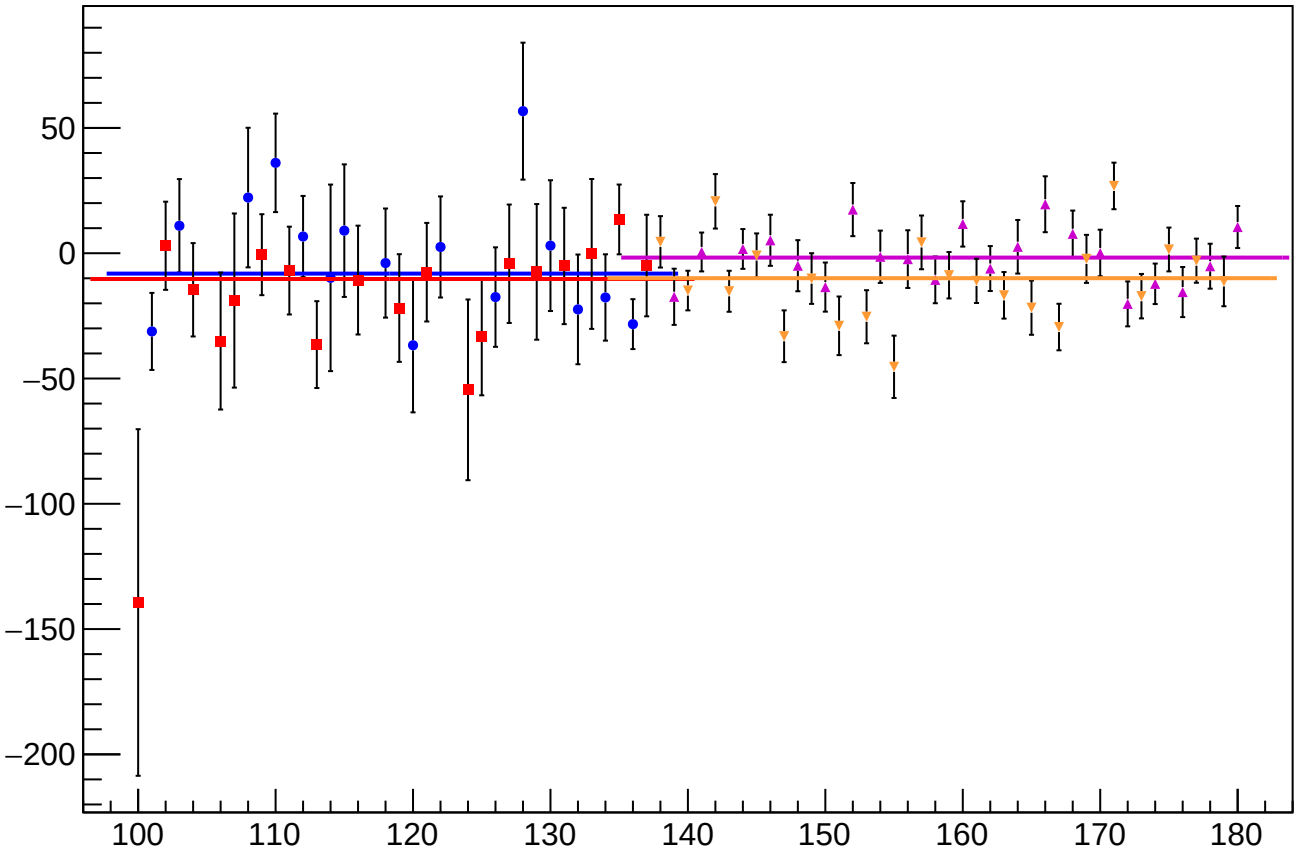
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 421.492+/-0.073 χ^2/NDF:484310.8/20

+ sign 448.917+/-0.068 χ^2/NDF: 4209496.7/37

All: 449.126+/-0.048 χ^2/NDF: 8602624.8/77

- 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: -9.969+/-2.042 χ^2/NDF:57.0/21

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

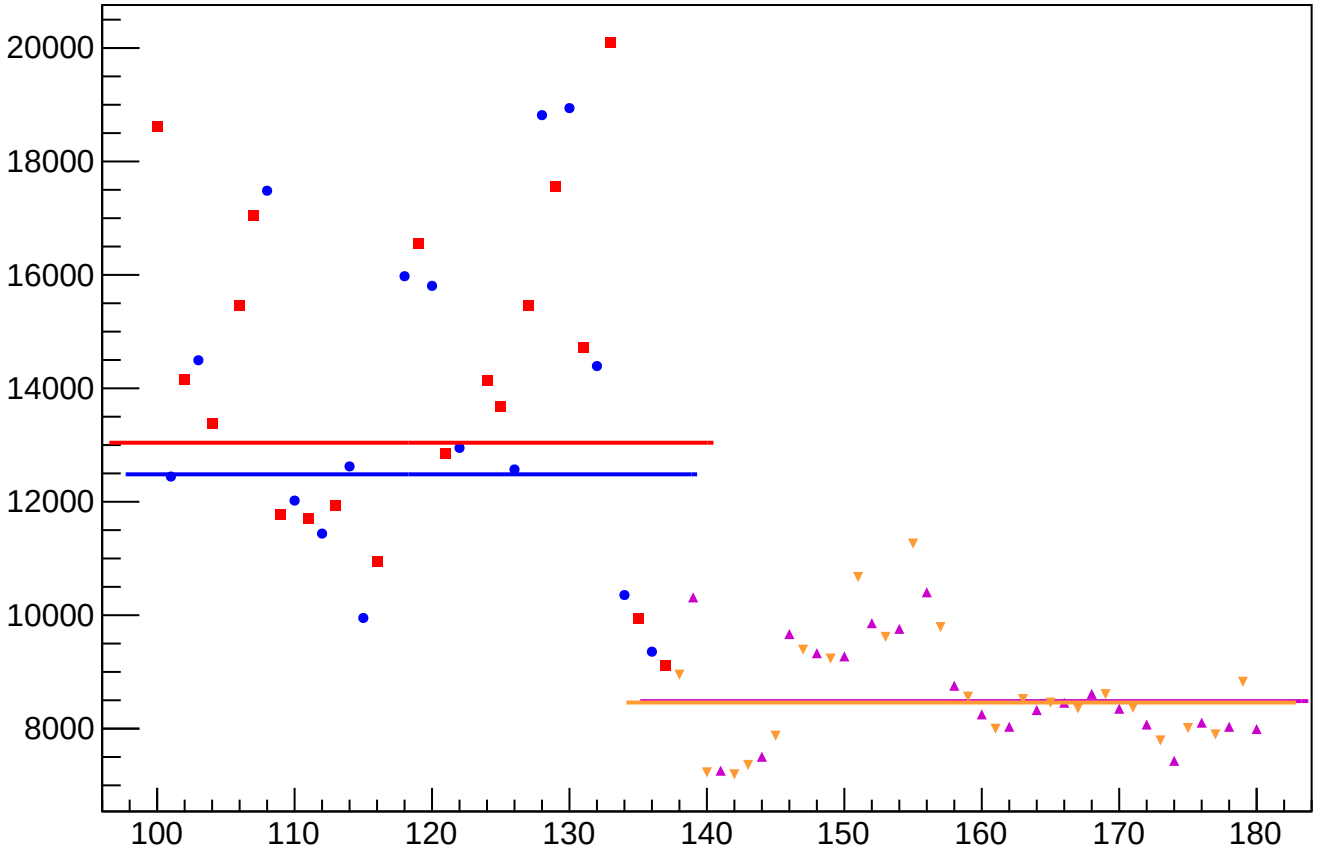
Left In: -1.741+/-2.058 χ^2/NDF:25.8/20

+ sign -9.685+/-1.878 χ^2/NDF: 80.2/37

All: -6.391+/-1.334 χ^2/NDF: 128.5/77

- 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: 8460.739+/-1.444 χ^2/NDF:415293.1/21

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

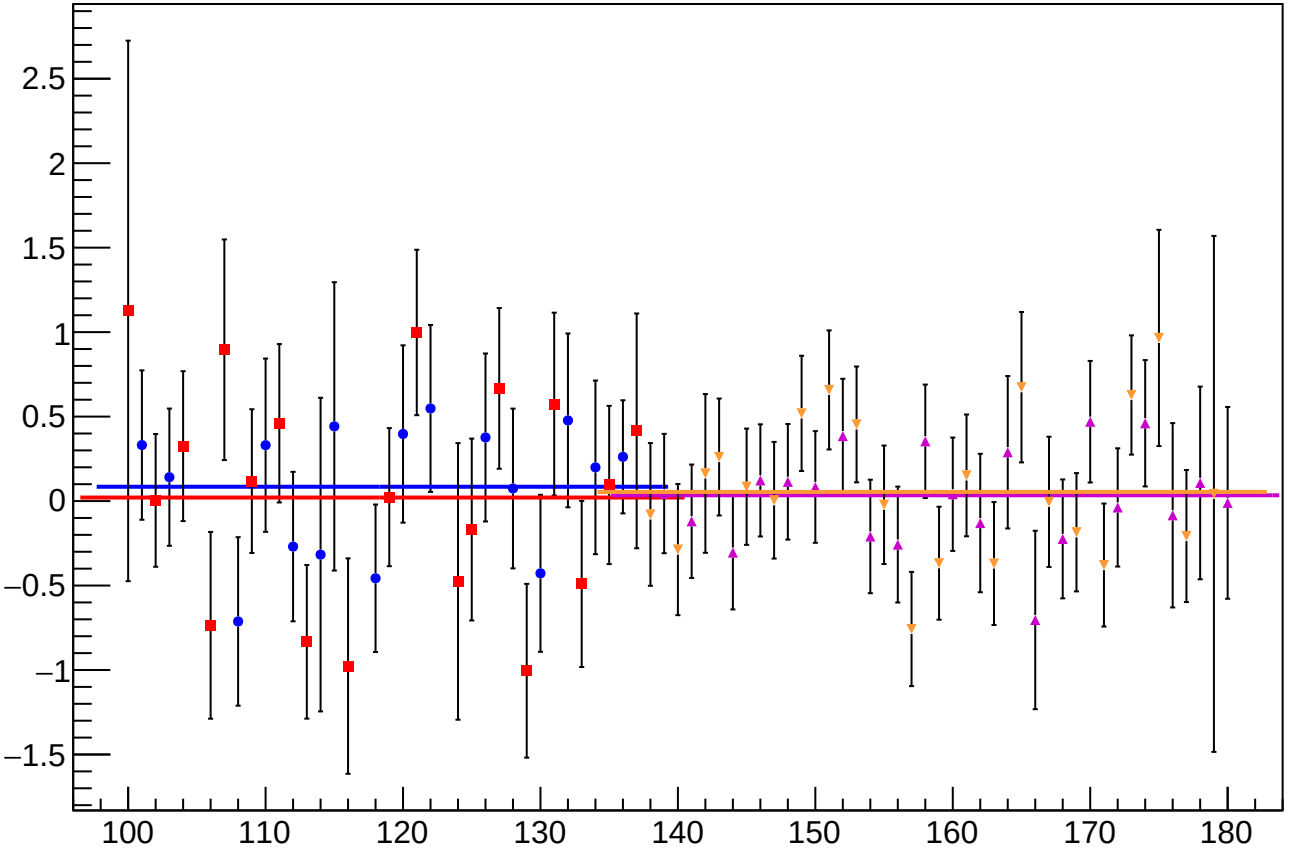
Left In: 8485.427+/-1.455 χ^2/NDF:368579.6/20

+ sign 9081.919+/-1.328 χ^2/NDF: 2285392.0/37

All: 9127.897+/-0.943 χ^2/NDF: 4684250.4/77

- 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: 0.054+/-0.081 χ^2/NDF:25.3/21

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

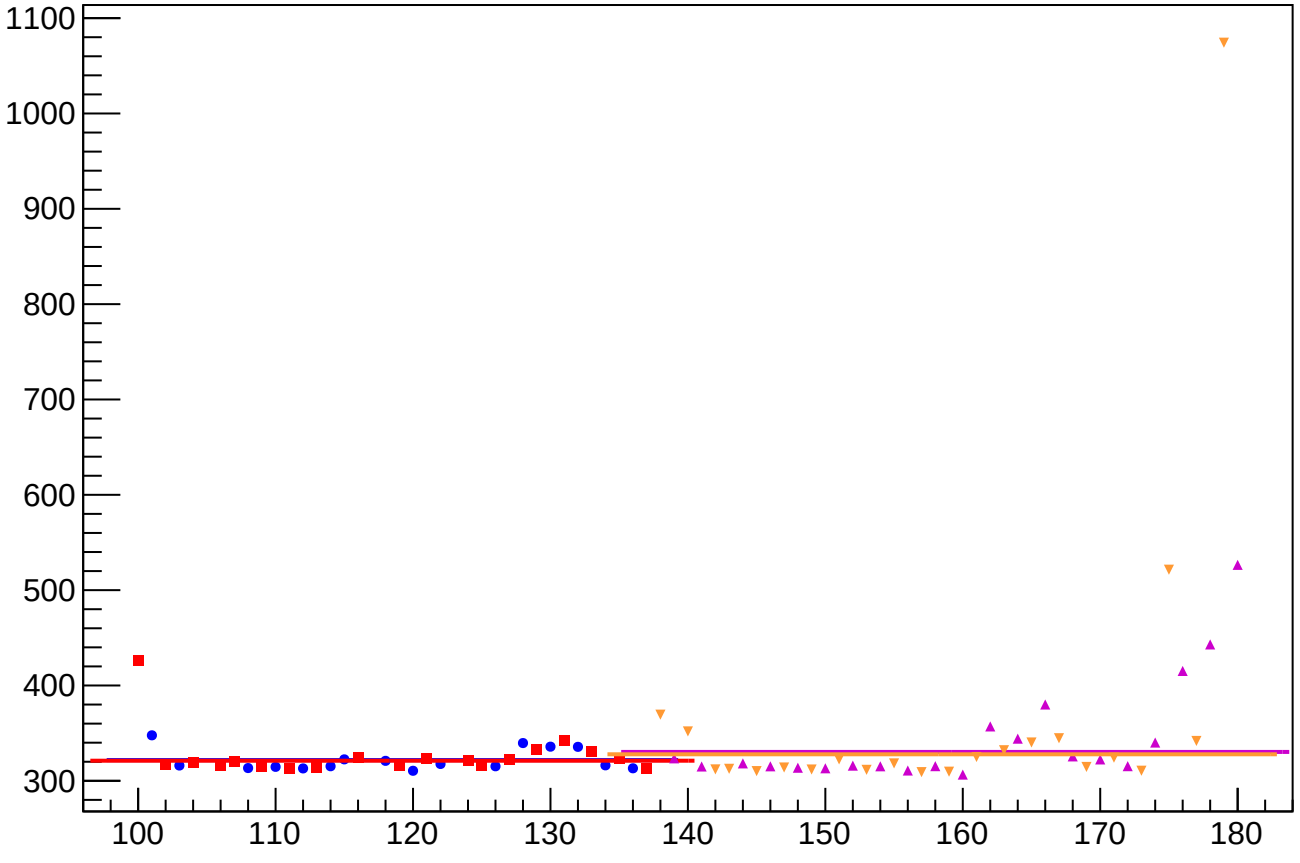
Left In: 0.034+/-0.081 χ^2/NDF:10.4/20

+ sign 0.064+/-0.067 χ^2/NDF: 34.7/37

All: 0.047+/-0.047 χ^2/NDF: 69.5/77

- 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: 327.830+/-0.057 χ^2/NDF:741608.2/21

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

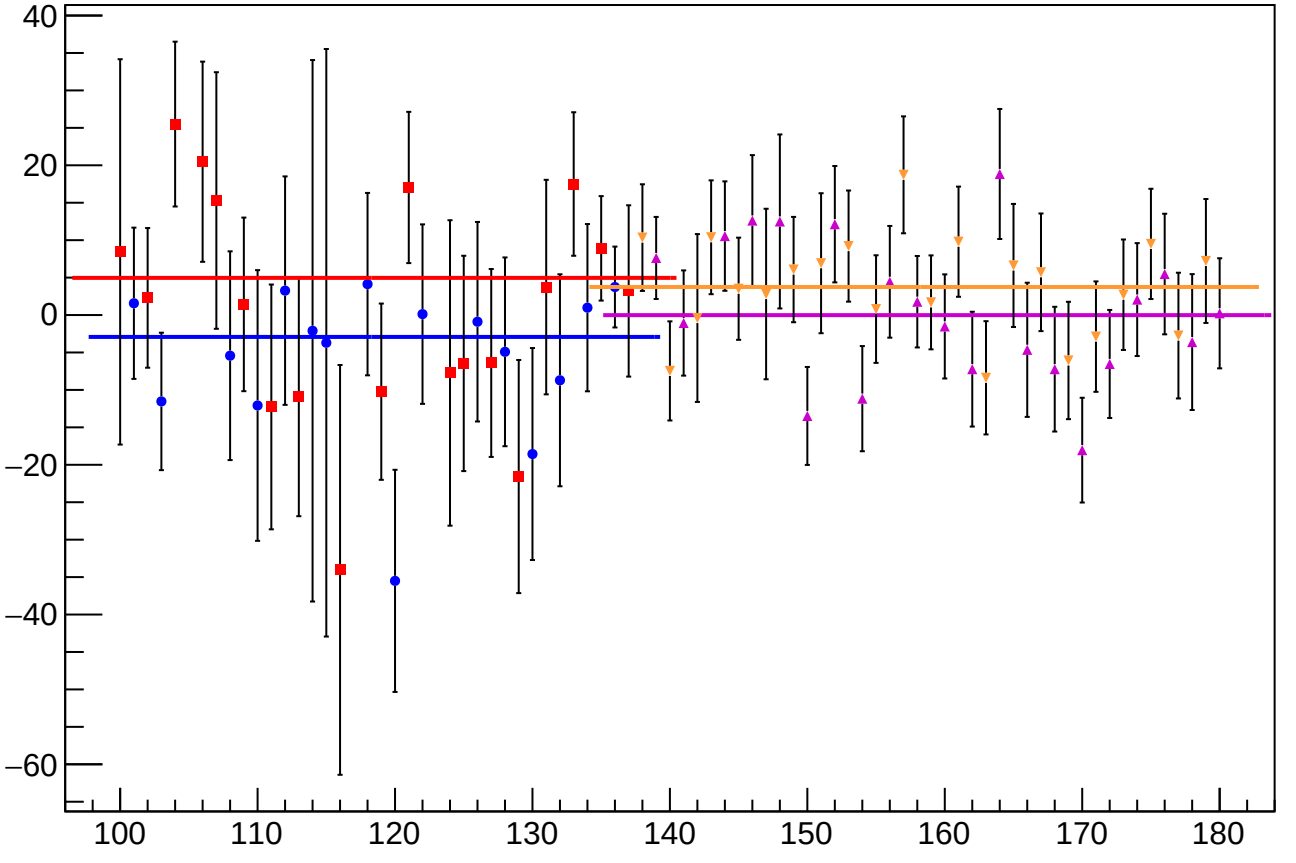
Left In: 330.302+/-0.057 χ^2/NDF:449962.7/20

+ sign 325.930+/-0.047 χ^2/NDF: 763375.5/37

All: 326.628+/-0.033 χ^2/NDF: 1238660.5/77

- 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: 3.749+/-1.633 χ^2/NDF:16.6/21

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

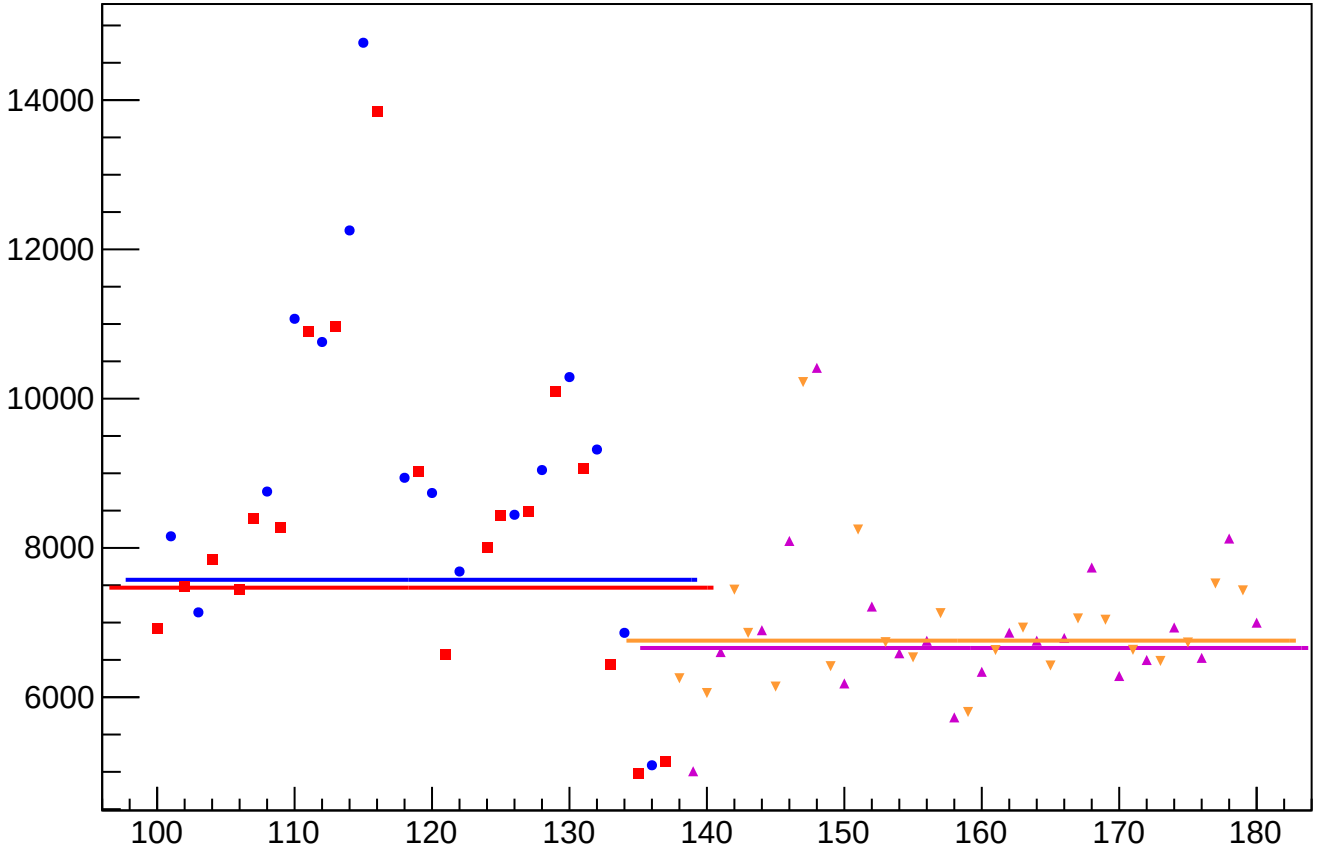
Left In: -0.013+/-1.625 χ^2/NDF:31.8/20

+ sign 2.152+/-1.424 χ^2/NDF: 30.4/37

All: 1.683+/-1.001 χ^2/NDF: 84.1/77

- 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: 6757.962+/-1.154 χ^2/NDF:393505.5/21

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

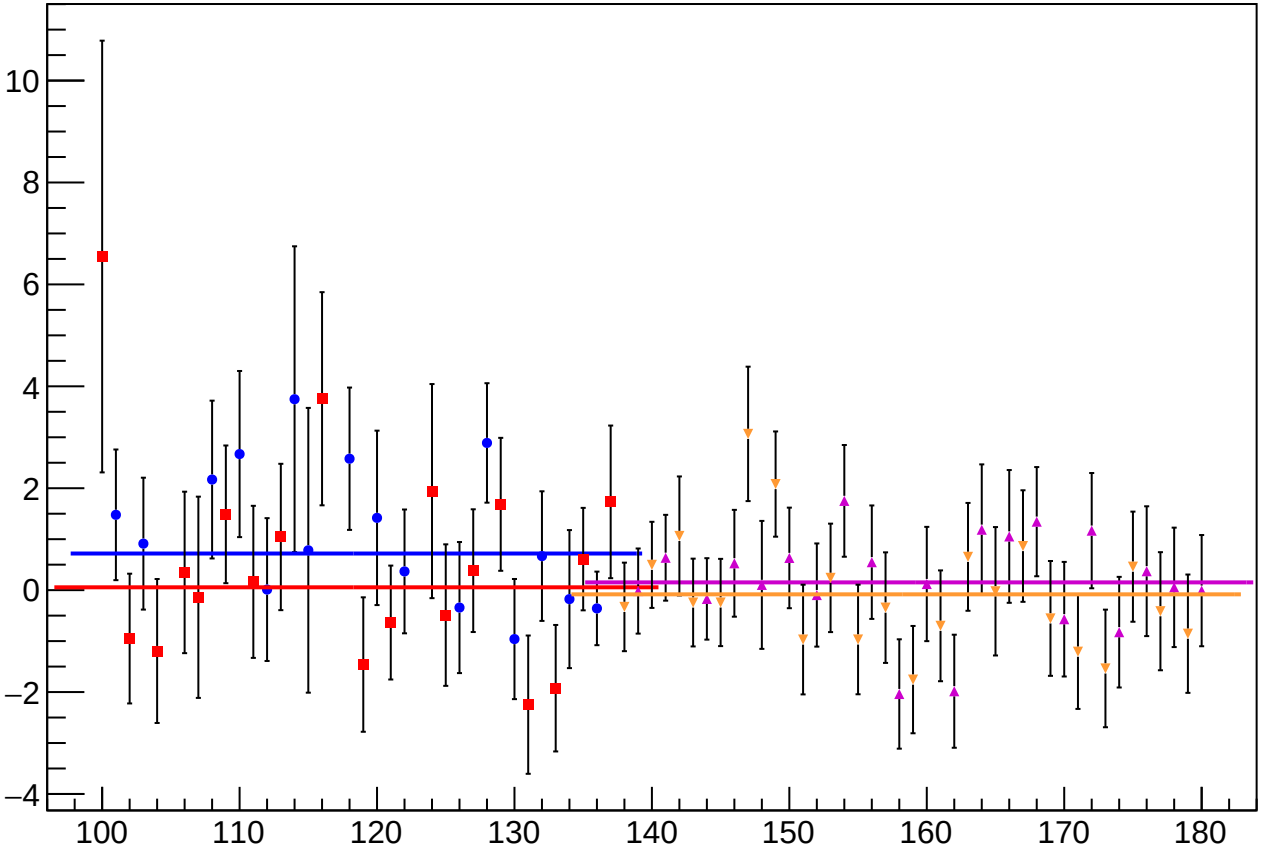
Left In: 6659.526+/-1.149 χ^2/NDF:620353.4/20

+ sign 6953.079+/-1.007 χ^2/NDF: 1410455.3/37

All: 6906.242+/-0.708 χ^2/NDF: 2986446.6/77

- 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: -0.082+/-0.224 χ^2/NDF:20.8/21

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

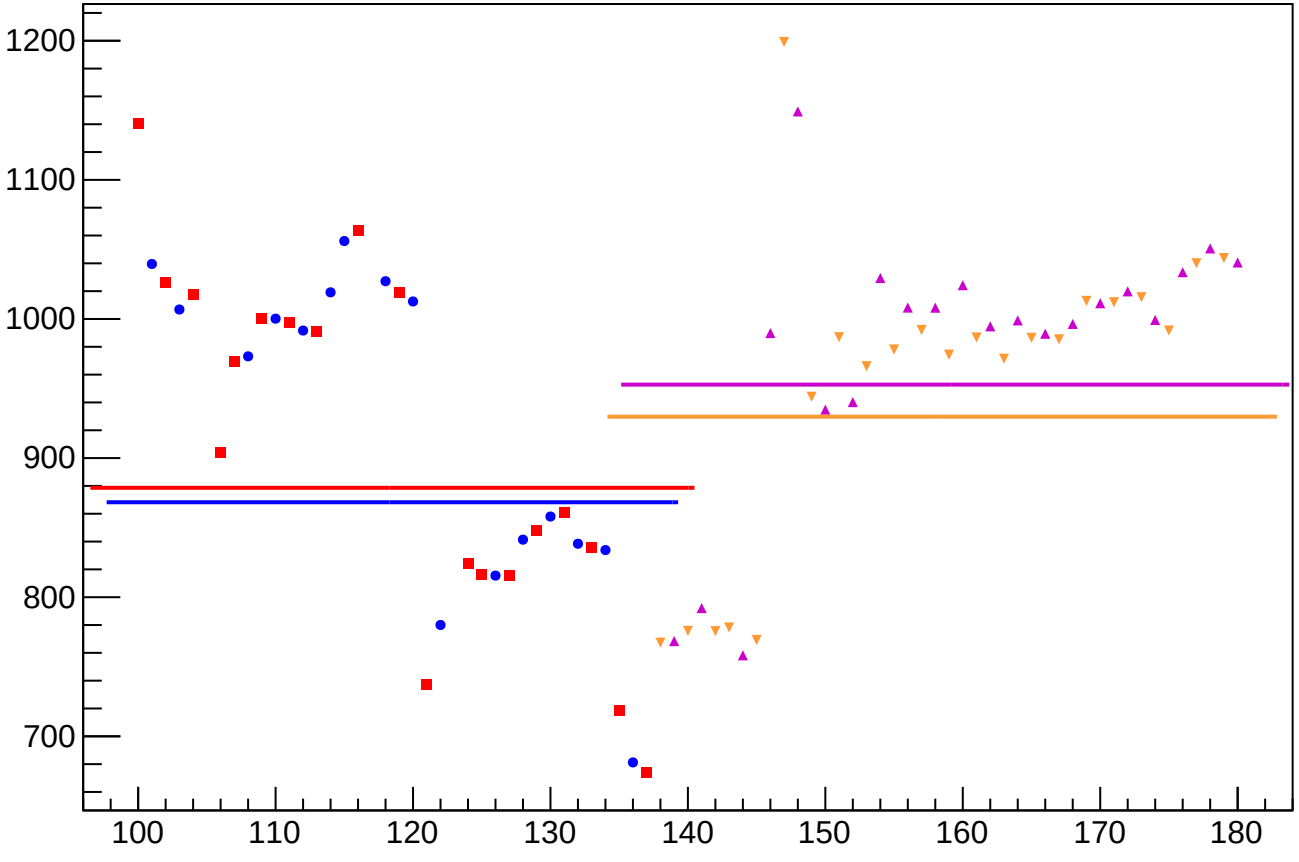
Left In: 0.152+/-0.231 χ^2/NDF:15.5/20

+ sign 0.175+/-0.185 χ^2/NDF: 39.7/37

All: 0.148+/-0.132 χ^2/NDF: 75.2/77

- 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: 929.764+/-0.158 χ^2/NDF:503895.8/21

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

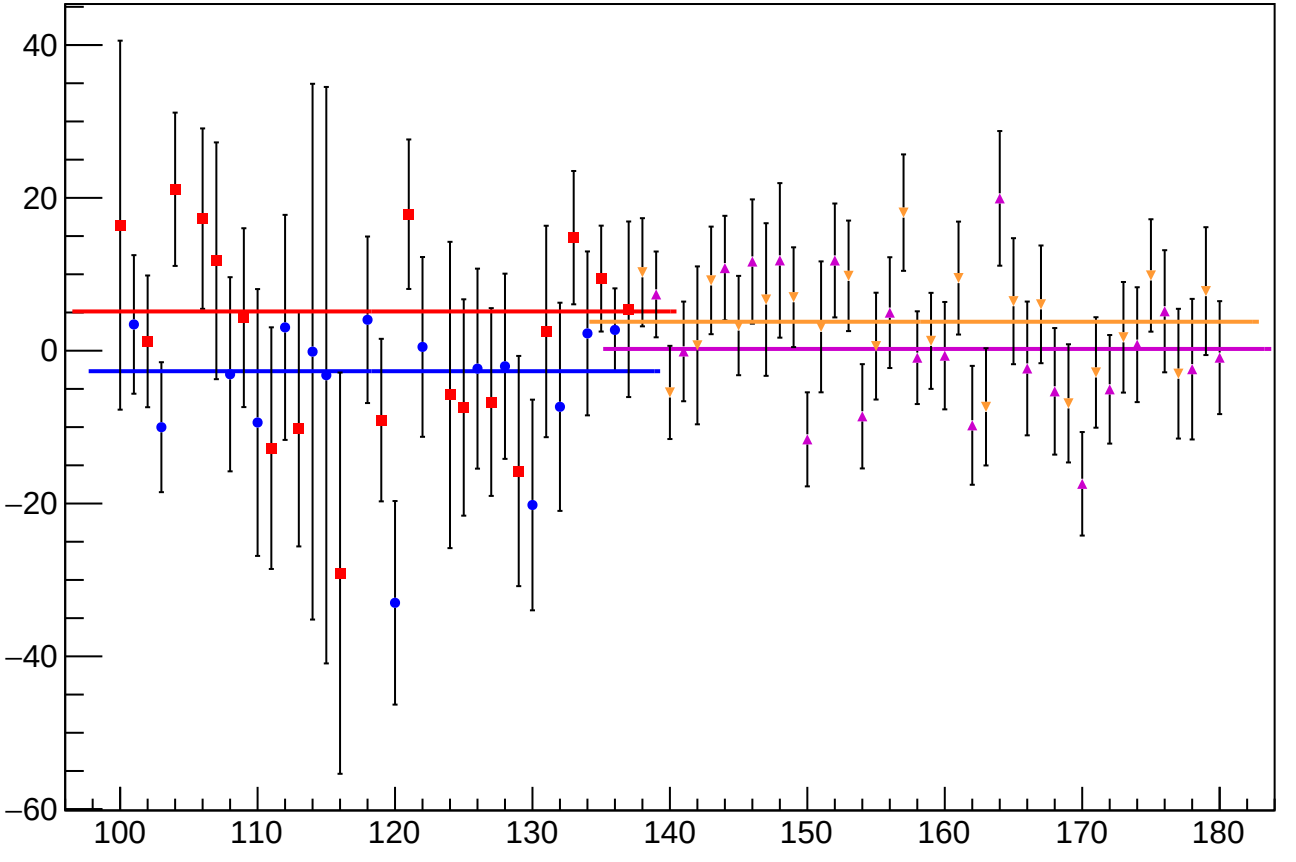
Left In: 952.820+/-0.163 χ^2/NDF:430851.9/20

\+ sign 910.027+/-0.131 χ^2/NDF: 854686.0/37

All: 918.739+/-0.093 χ^2/NDF: 1636798.1/77

\- 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: 3.790+/-1.586 χ^2/NDF:16.0/21

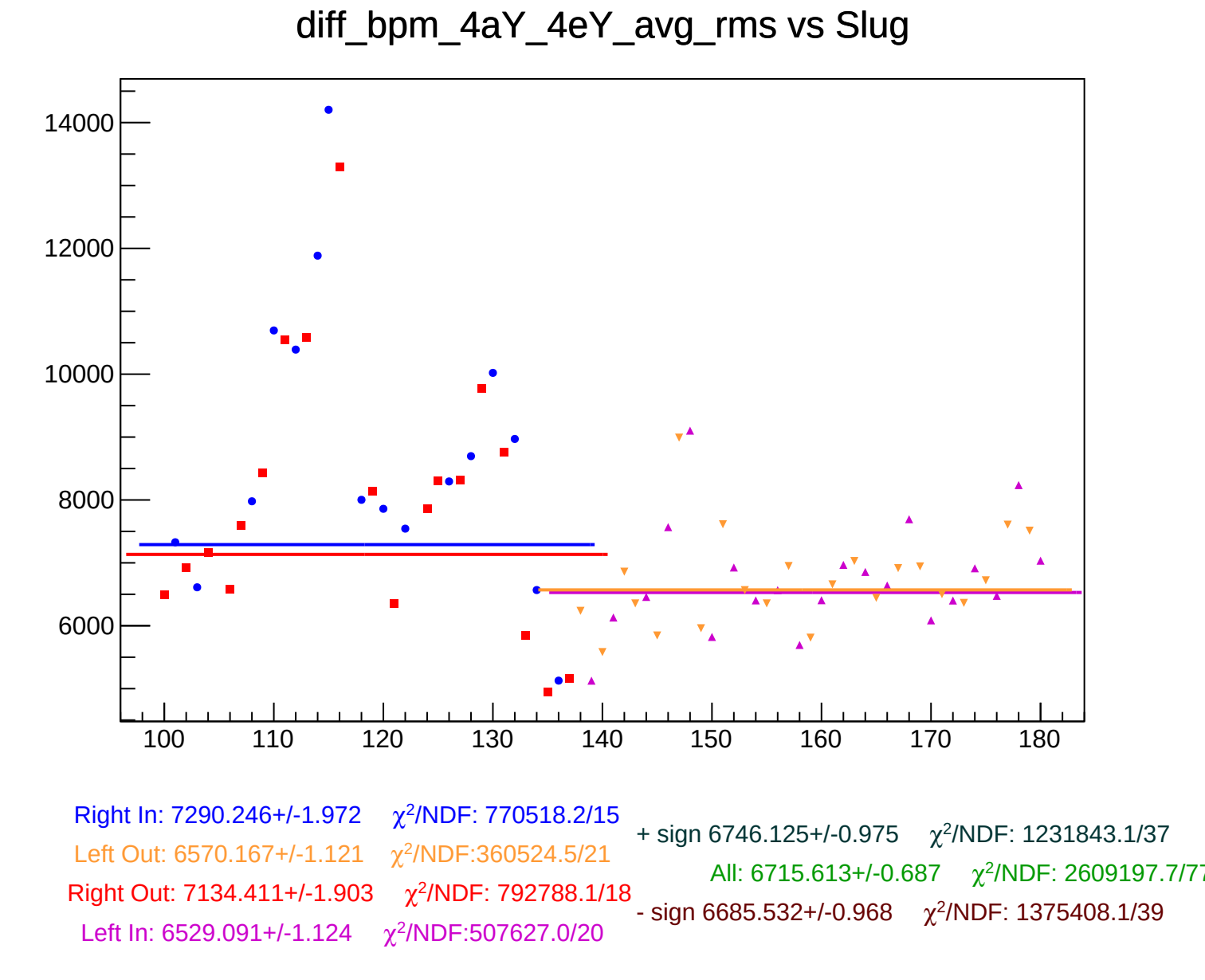
Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: 0.230+/-1.589 χ^2/NDF:30.6/20

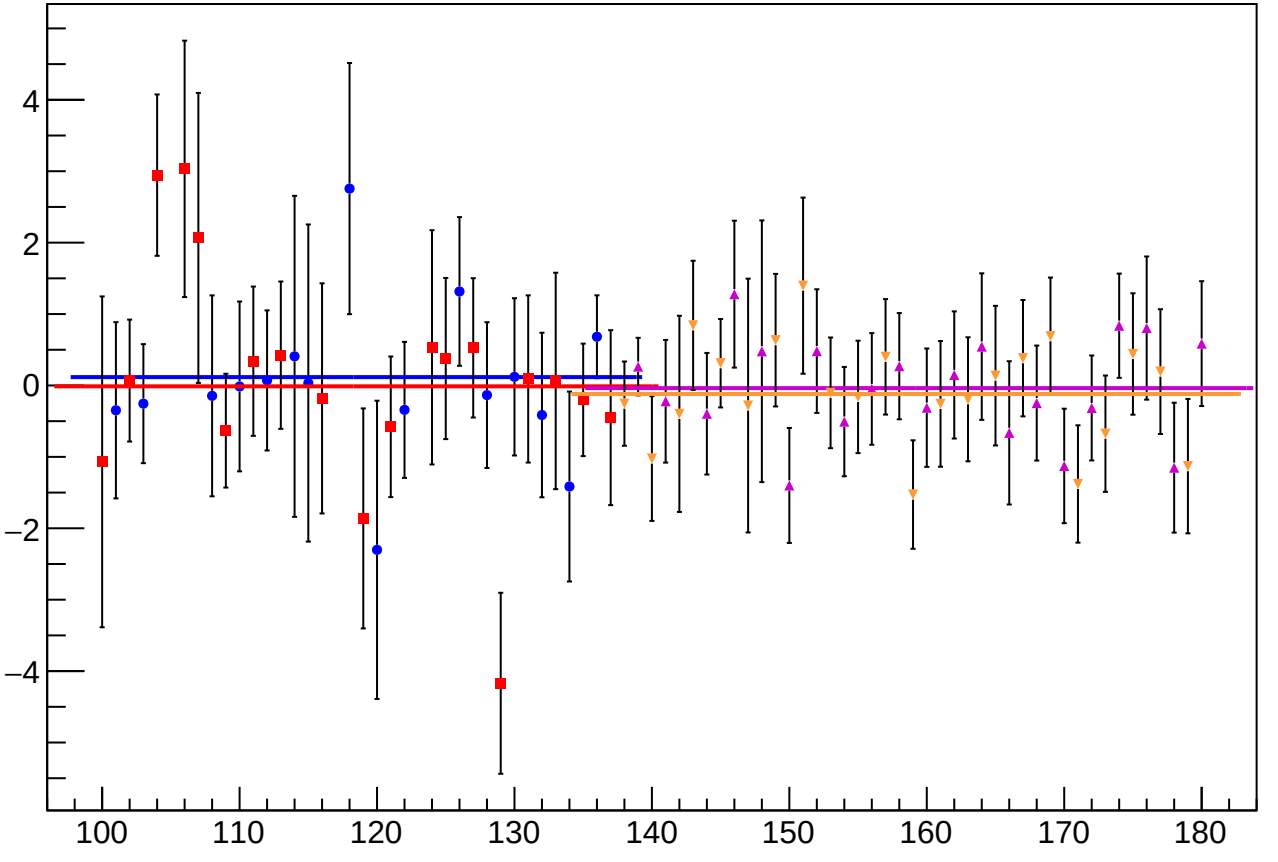
+ sign 2.208+/-1.378 χ^2/NDF: 30.1/37

All: 1.851+/-0.971 χ^2/NDF: 80.6/77

- sign 1.498+/-1.369 χ^2/NDF: 50.3/39


diff_bpm_4aY_4eY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6570.167+/-1.121 χ²/NDF:360524.5/21
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6529.091+/-1.124 χ²/NDF:507627.0/20
+ sign 6746.125+/-0.975 χ²/NDF: 1231843.1/37
All: 6715.613+/-0.687 χ²/NDF: 2609197.7/77
- sign 6685.532+/-0.968 χ²/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: -0.119+/-0.181 χ^2/NDF:14.8/21

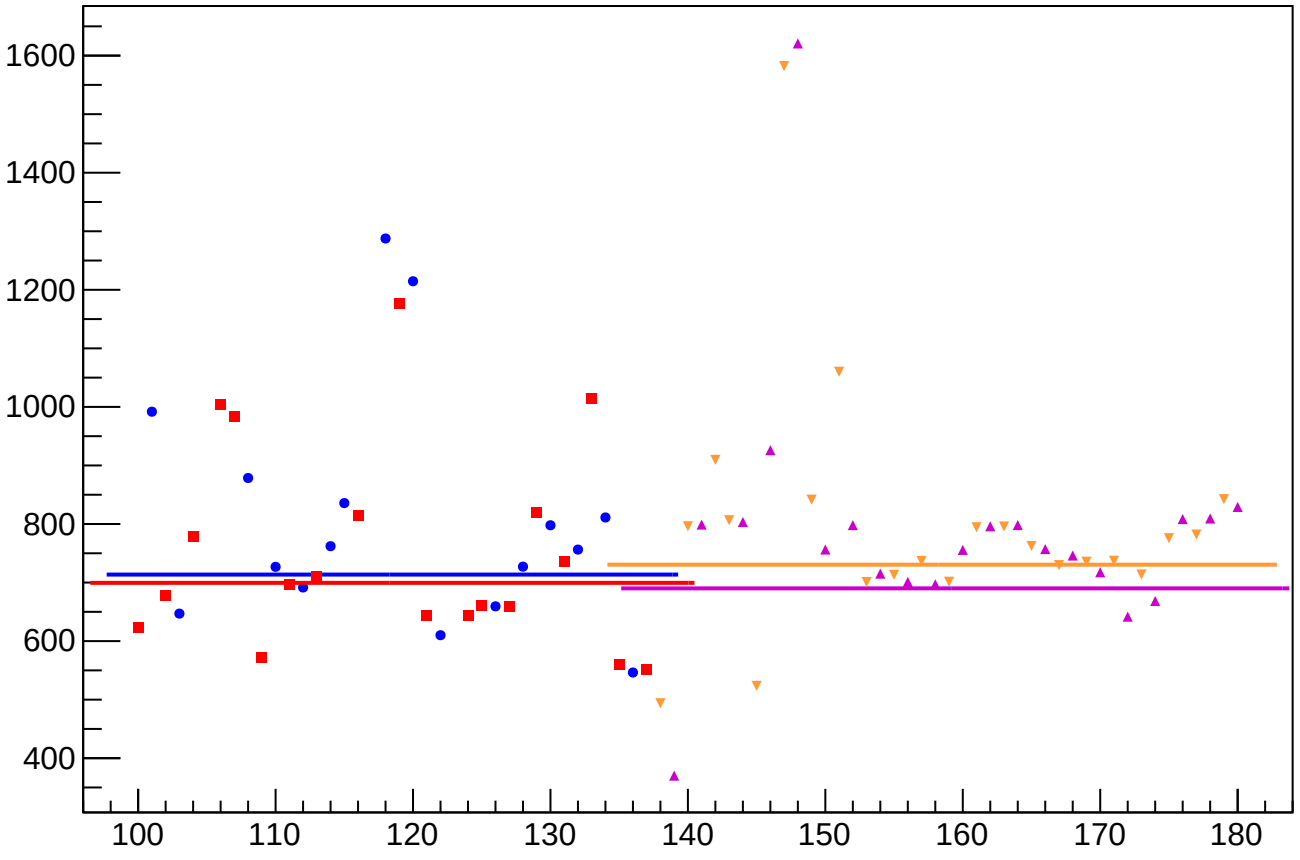
Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.037+/-0.174 χ^2/NDF:13.3/20

+ sign -0.047+/-0.151 χ^2/NDF: 23.4/37

All: -0.038+/-0.104 χ^2/NDF: 61.9/77

- sign -0.029+/-0.145 χ^2/NDF: 38.5/39



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 730.535+/-0.128 χ^2/NDF:1308413.8/21

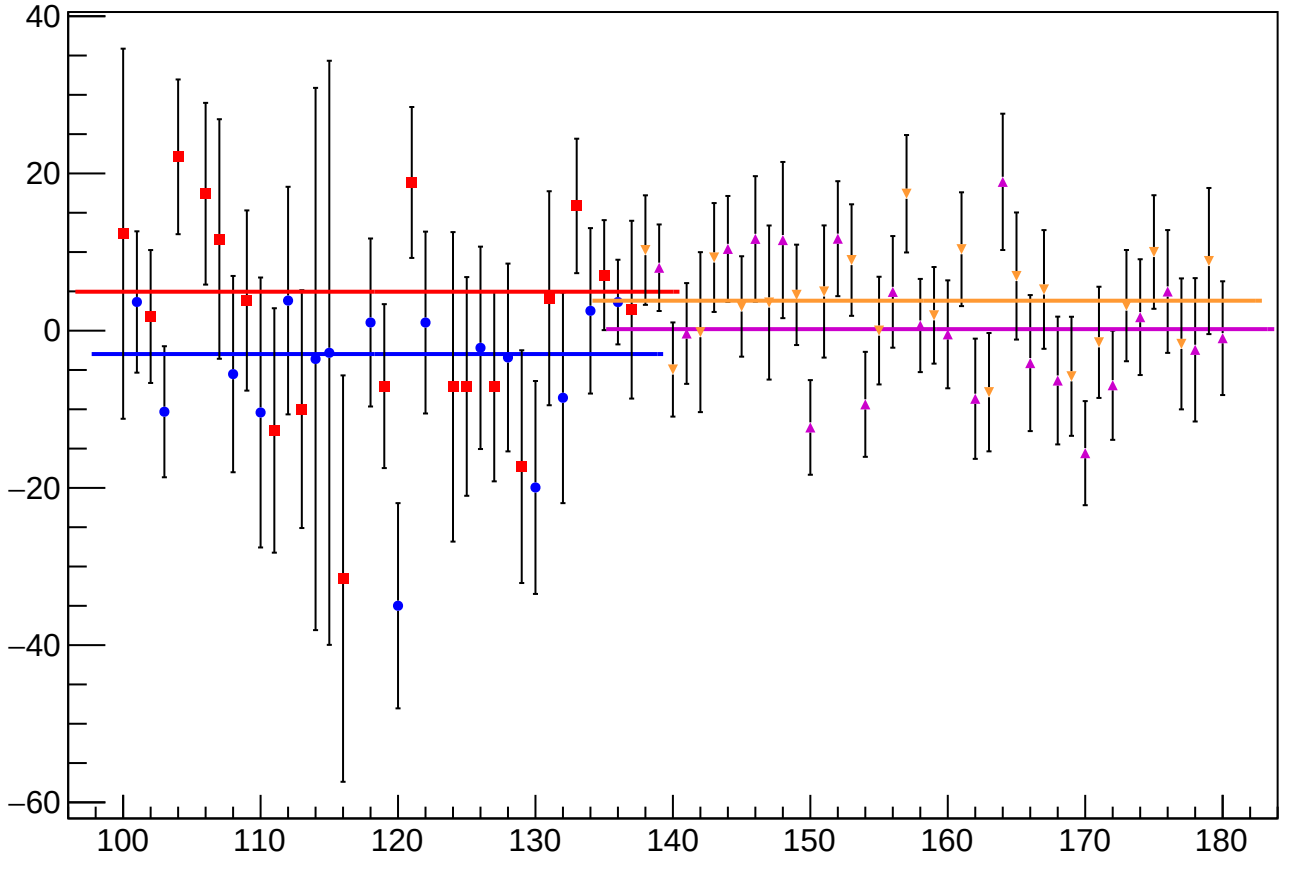
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 690.071+/-0.123 χ^2/NDF:2201946.3/20

+ sign 725.396+/-0.106 χ^2/NDF: 2013050.7/37

All: 708.544+/-0.074 χ^2/NDF: 4840788.6/77

- sign 692.932+/-0.102 χ^2/NDF: 2779495.3/39



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.812+/-1.561 χ^2/NDF:15.1/21

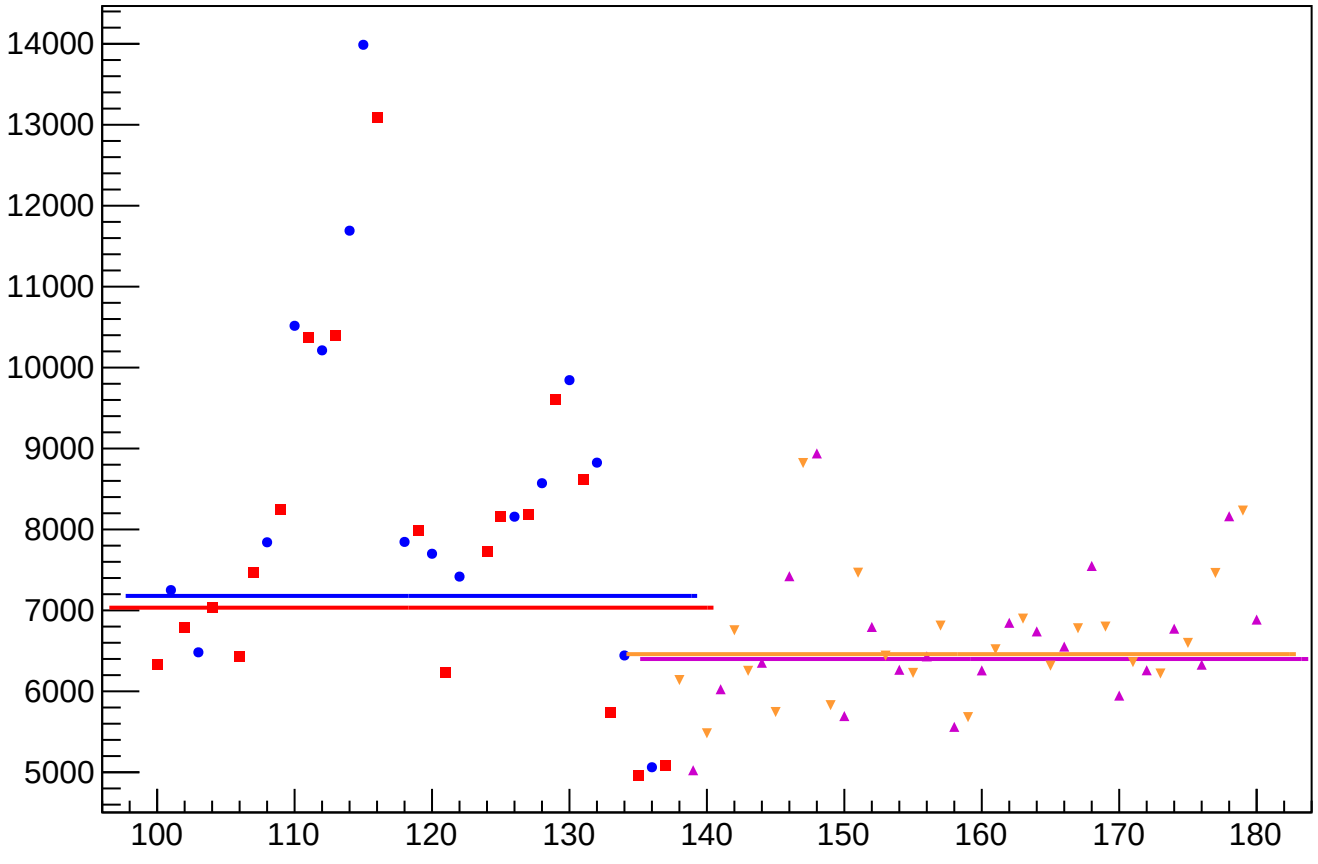
Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: 0.196+/-1.558 χ^2/NDF:31.2/20

+ sign 2.155+/-1.357 χ^2/NDF: 31.3/37

All: 1.782+/-0.955 χ^2/NDF: 83.5/77

- sign 1.417+/-1.344 χ^2/NDF: 52.0/39



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6459.446+/-1.104 χ^2/NDF:409608.4/21

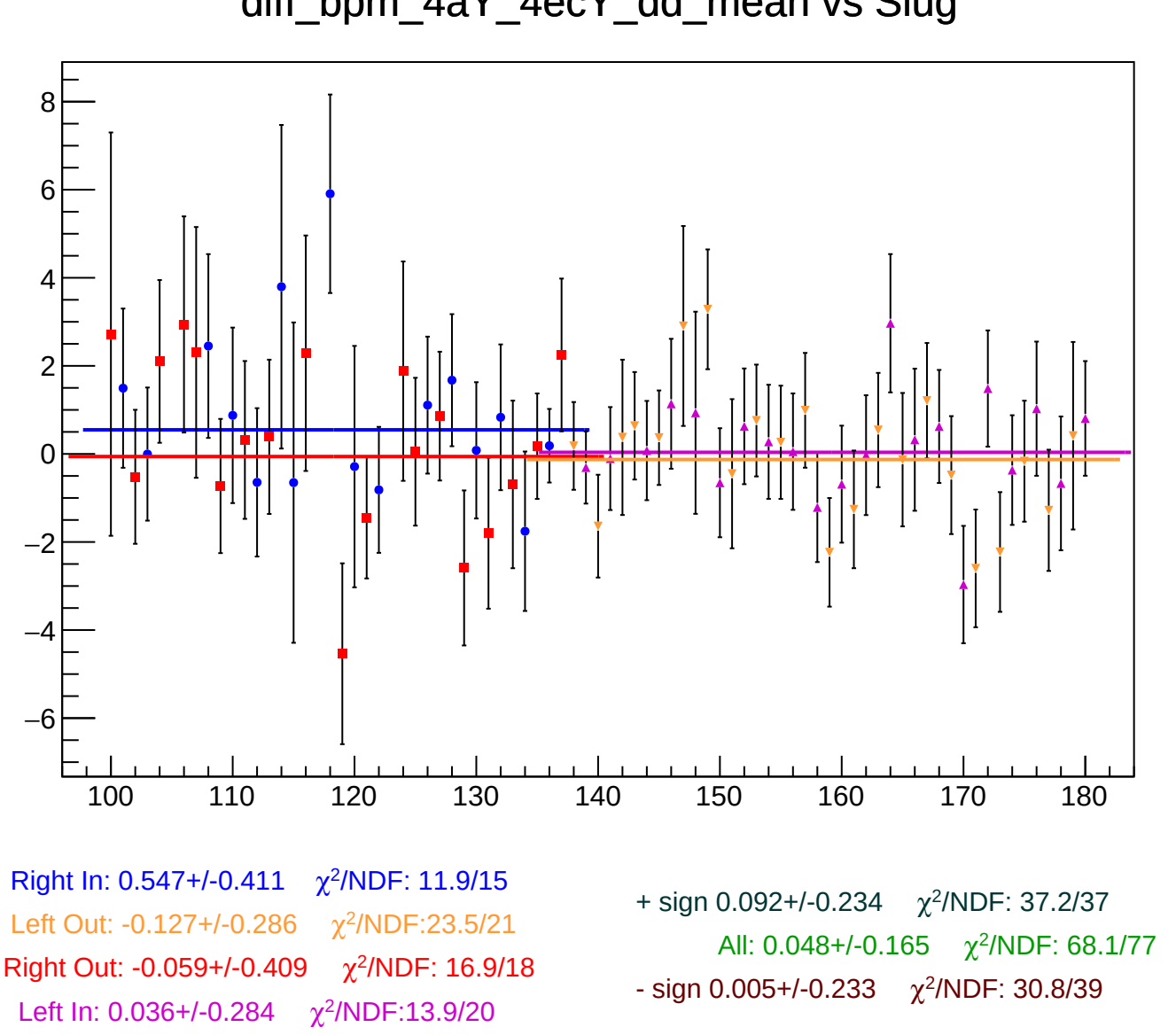
Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6399.131+/-1.102 χ^2/NDF:520168.2/20

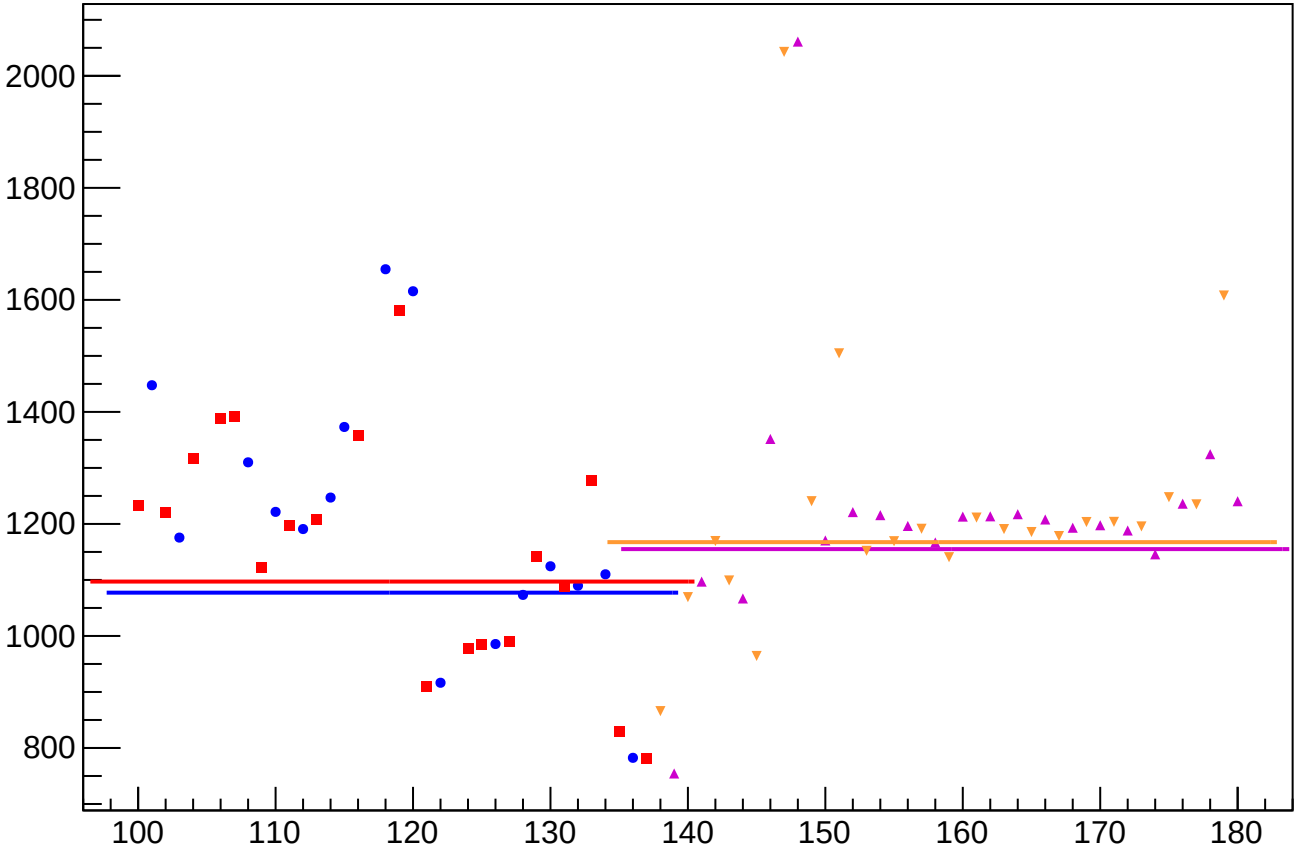
+ sign 6635.180+/-0.960 χ^2/NDF: 1275303.7/37

All: 6598.131+/-0.675 χ^2/NDF: 2649836.7/77

- sign 6561.820+/-0.950 χ^2/NDF: 1371581.7/39


diff_bpm_4aY_4ecY_dd_mean vs Slug
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
Right In: 0.547+/-0.411 χ²/NDF: 11.9/15
Left Out: -0.127+/-0.286 χ²/NDF:23.5/21
Right Out: -0.059+/-0.409 χ²/NDF: 16.9/18
Left In: 0.036+/-0.284 χ²/NDF:13.9/20
+ sign 0.092+/-0.234 χ²/NDF: 37.2/37
All: 0.048+/-0.165 χ²/NDF: 68.1/77
- sign 0.005+/-0.233 χ²/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: 1167.503+/-0.202 χ^2/NDF:763931.2/21

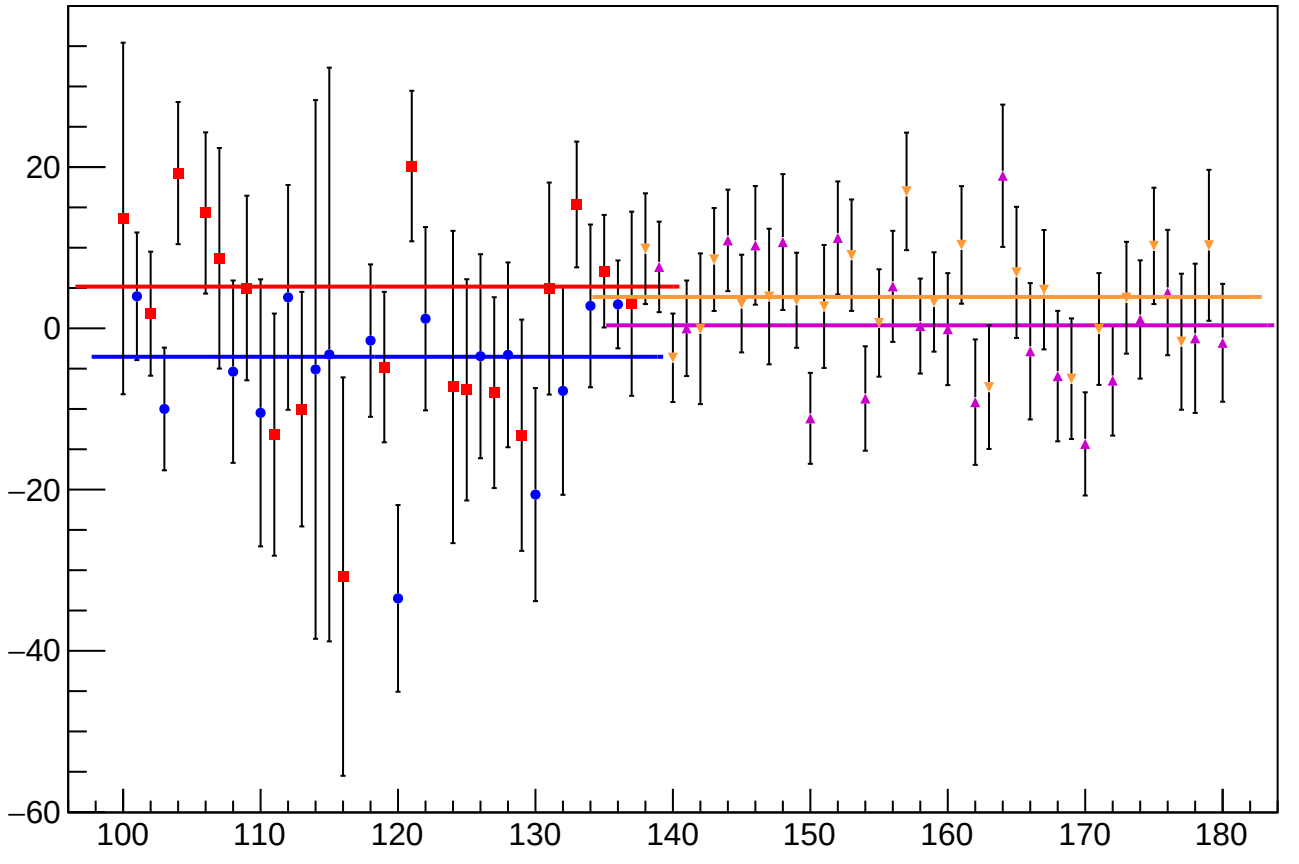
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1155.056+/-0.200 χ^2/NDF:910771.6/20

+ sign 1138.131+/-0.166 χ^2/NDF: 1475449.2/37

All: 1137.179+/-0.117 χ^2/NDF: 2897789.2/77

- 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: 3.895+/-1.508 χ^2/NDF:14.4/21

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

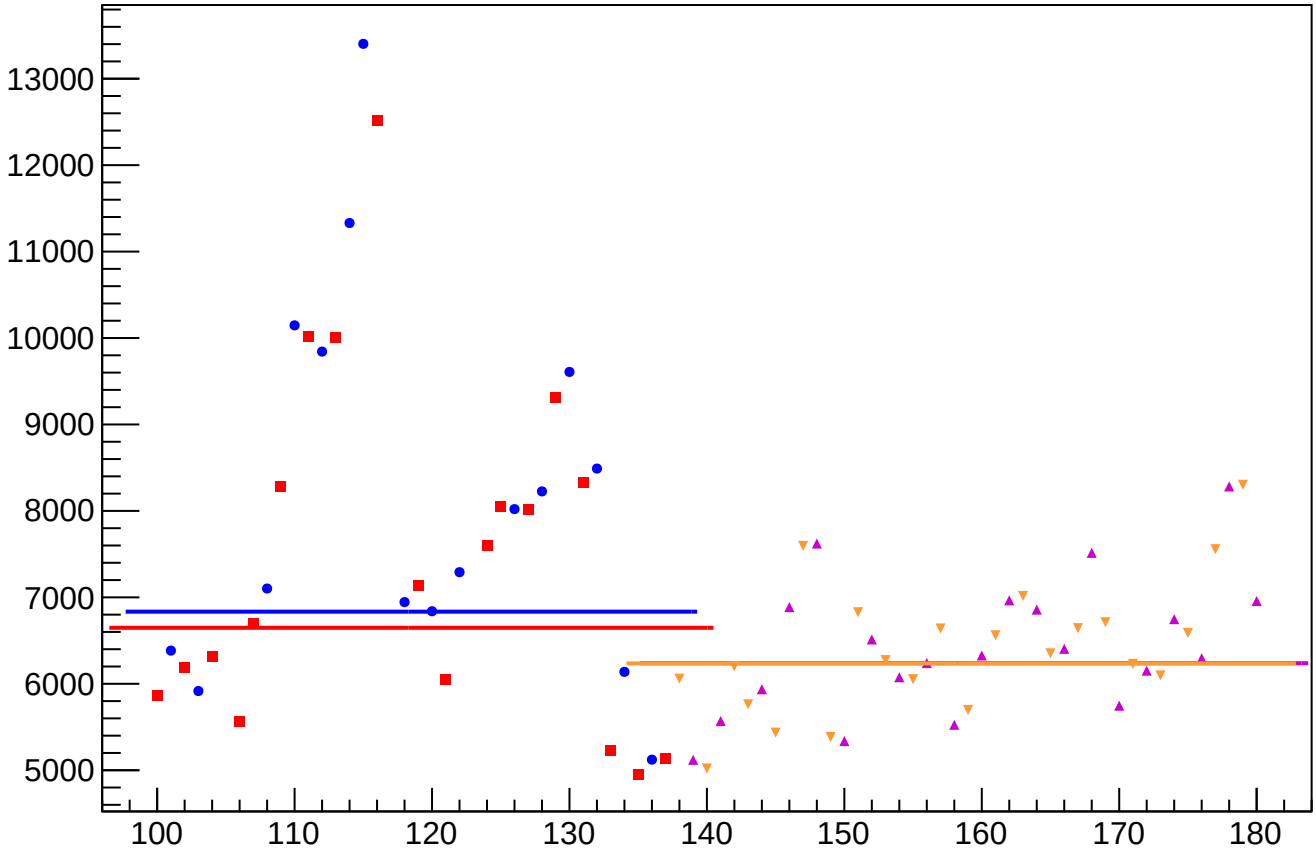
Left In: 0.375+/-1.518 χ^2/NDF:30.2/20

+ sign 2.035+/-1.306 χ^2/NDF: 33.0/37

All: 1.847+/-0.921 χ^2/NDF: 84.1/77

- 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: 6235.853+/-1.066 χ^2/NDF:465832.2/21

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

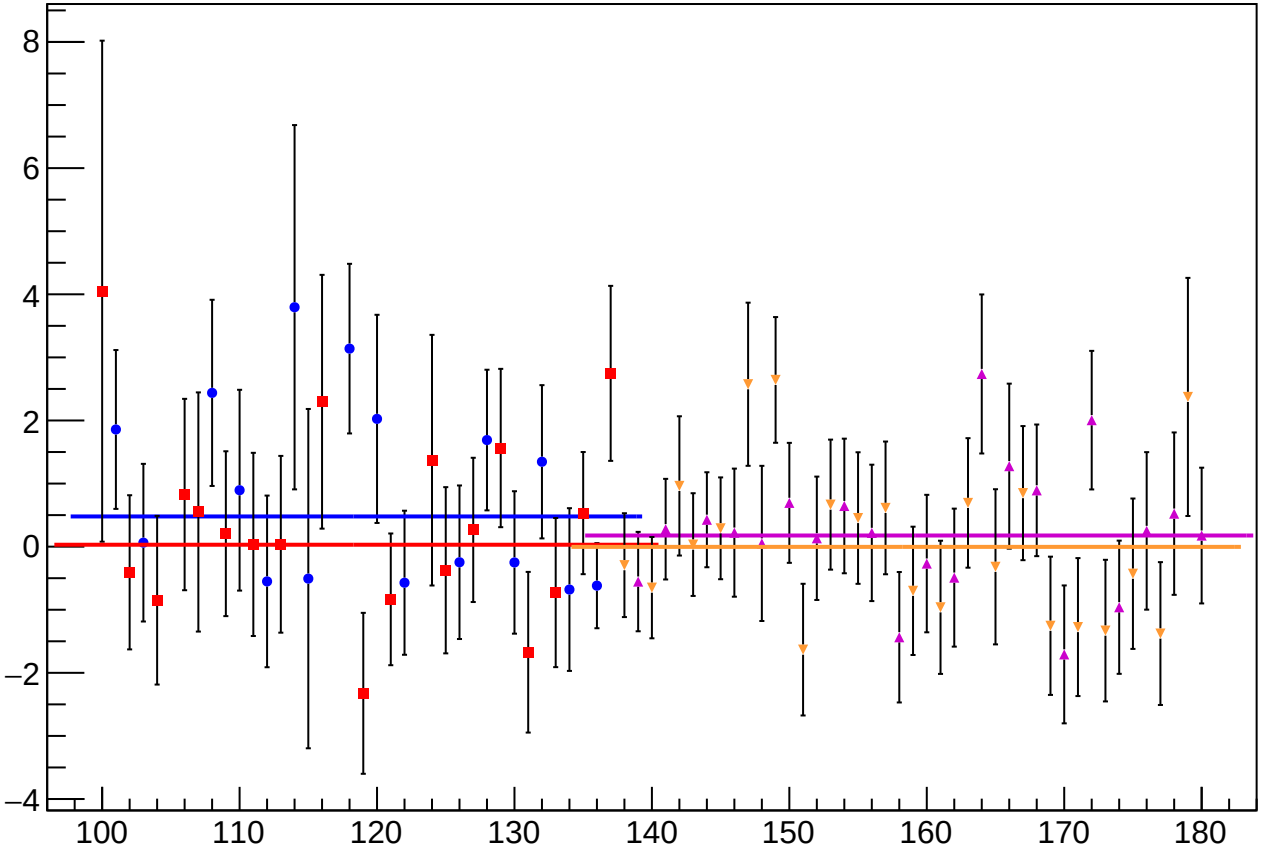
Left In: 6238.149+/-1.073 χ^2/NDF:480490.7/20

+ sign 6385.807+/-0.923 χ^2/NDF: 1237481.5/37

All: 6366.794+/-0.651 χ^2/NDF: 2543015.5/77

- sign 6347.989+/-0.918 χ^2/NDF: 1304690.3/39

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.003+/-0.219 χ^2/NDF:25.8/21

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

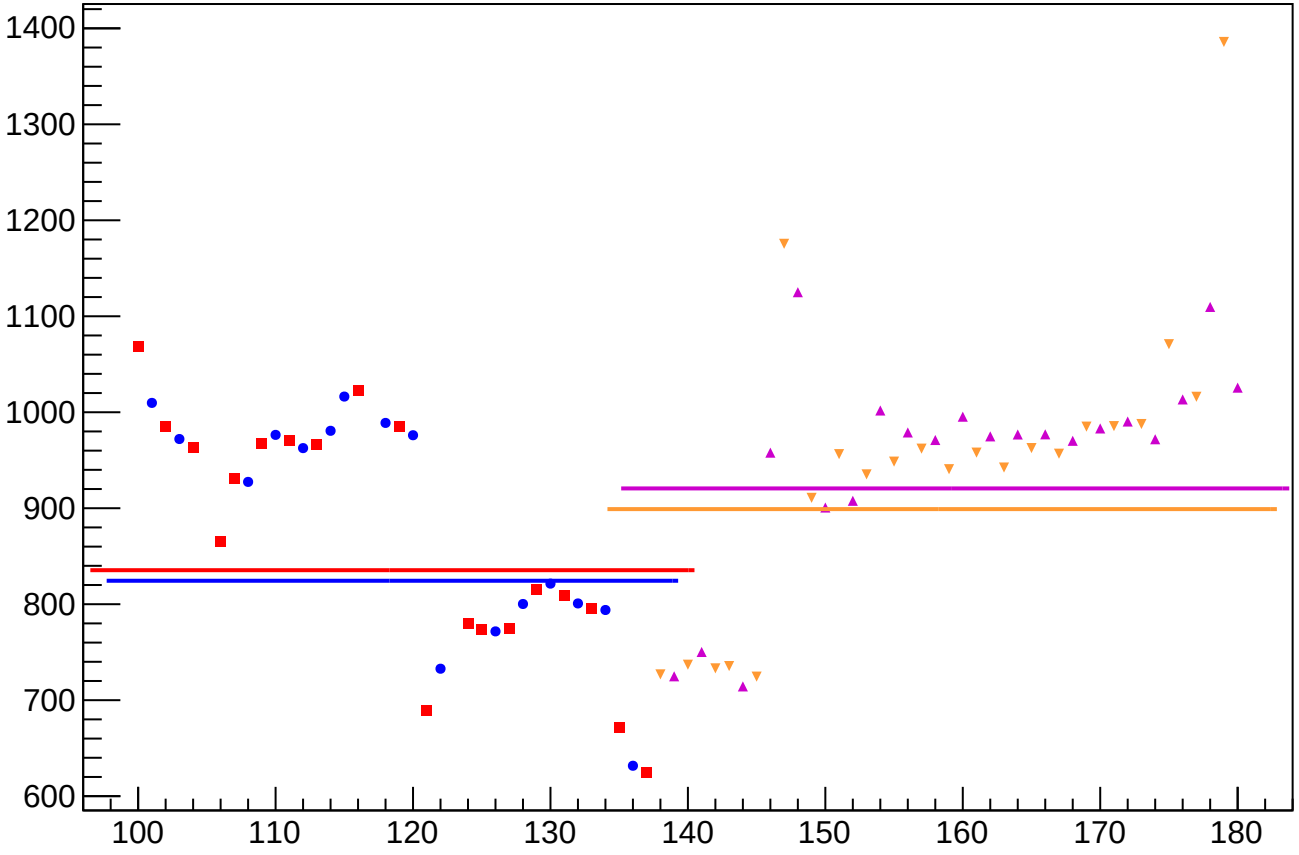
Left In: 0.177+/-0.224 χ^2/NDF:16.7/20

+ sign 0.157+/-0.179 χ^2/NDF: 44.1/37

All: 0.142+/-0.128 χ^2/NDF: 76.8/77

- 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: 899.081+/-0.155 χ^2/NDF:758029.5/21

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

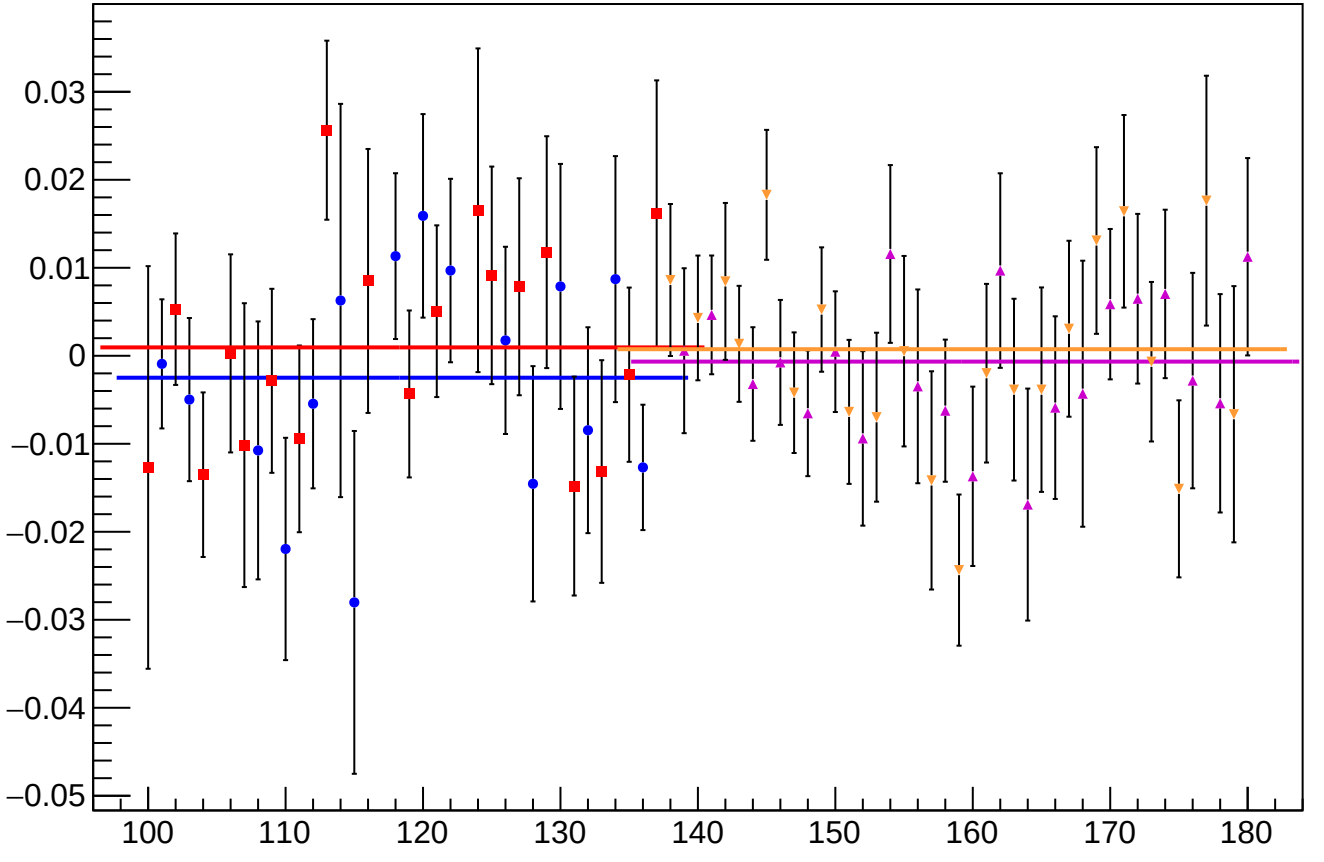
Left In: 920.626+/-0.159 χ^2/NDF:565416.8/20

+ sign 874.249+/-0.127 χ^2/NDF: 1200493.7/37

All: 882.614+/-0.090 χ^2/NDF: 2193793.8/77

- 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: 0.001+/-0.002 χ^2/NDF:27.9/21

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

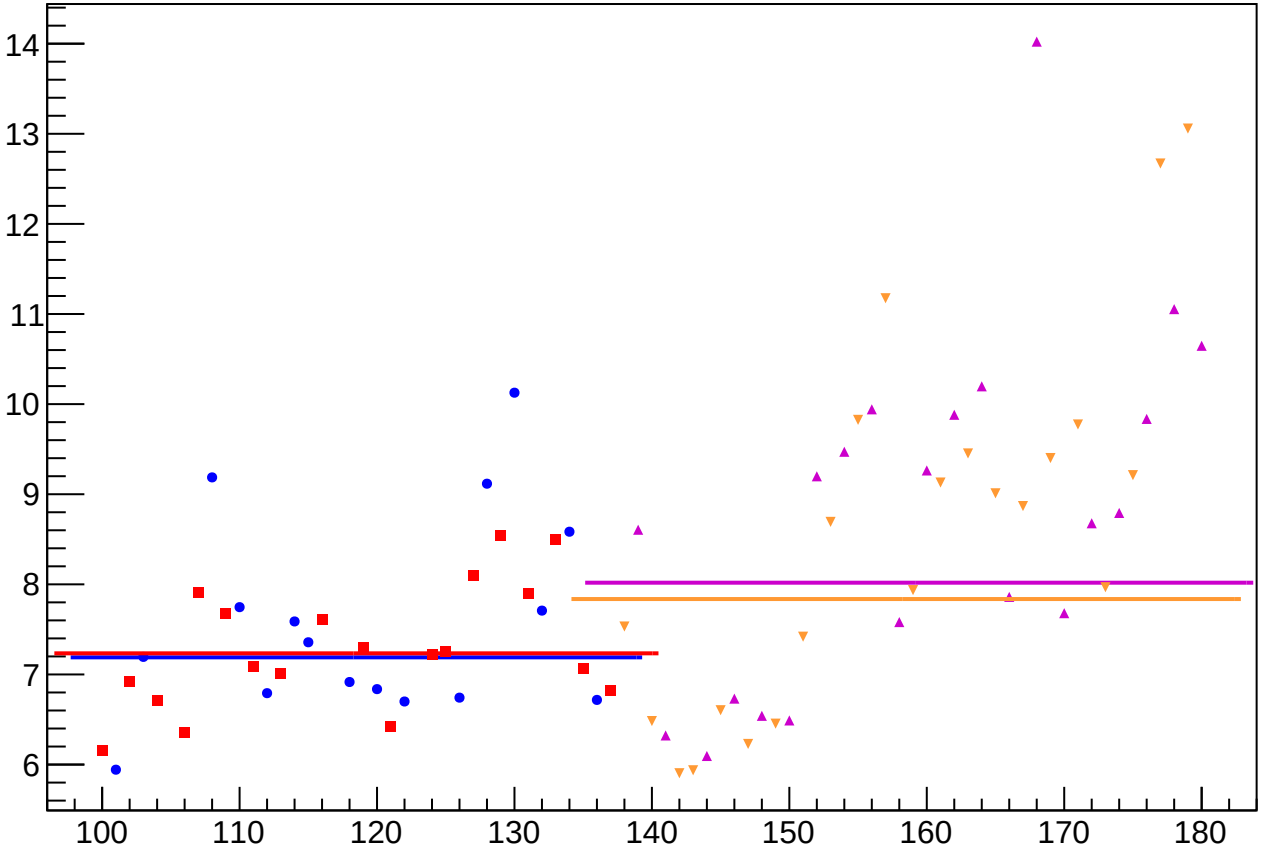
Left In: -0.001+/-0.002 χ^2/NDF:11.7/20

+ sign -0.000+/-0.002 χ^2/NDF: 44.1/37

All: -0.000+/-0.001 χ^2/NDF: 73.4/77

- 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: 7.837+/-0.001 χ^2/NDF:1568245.0/21

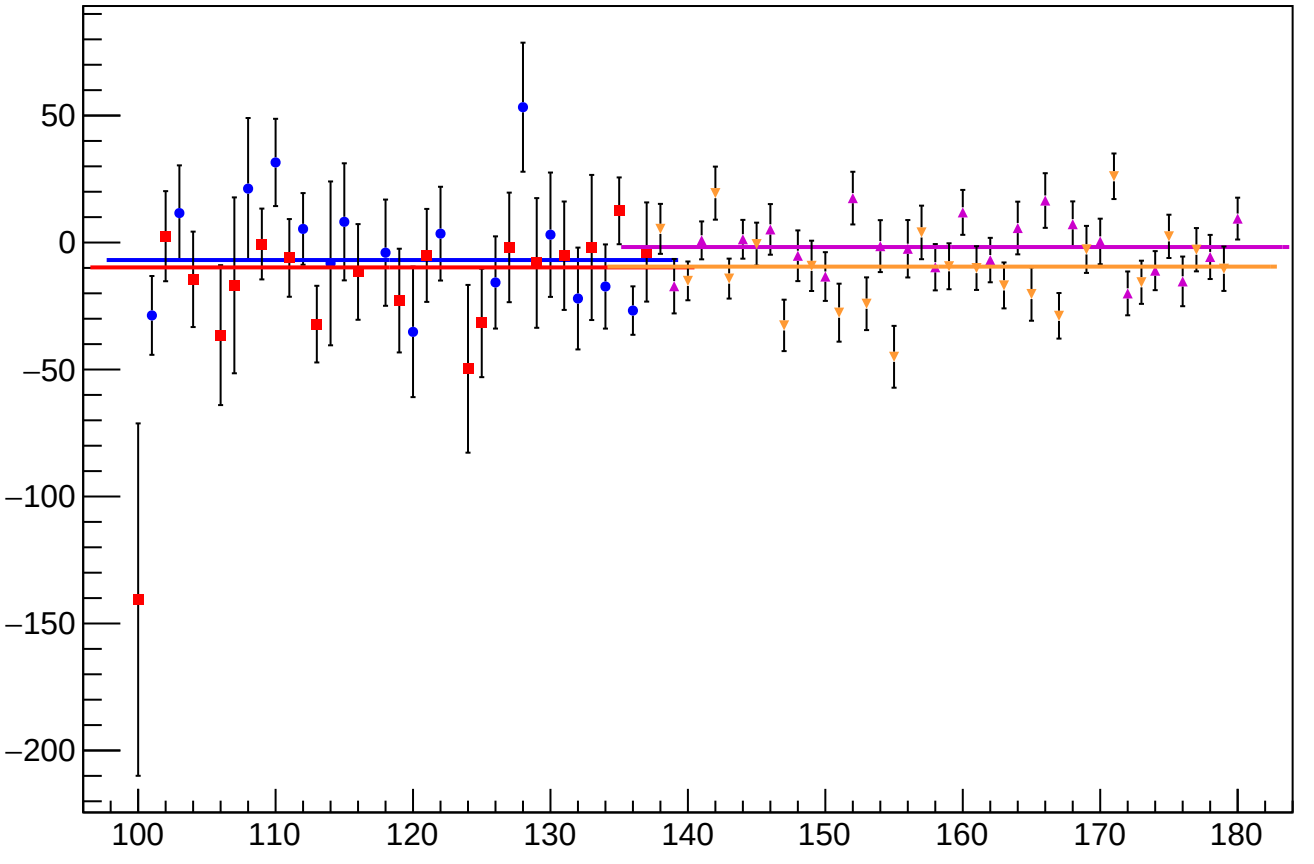
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 8.018+/-0.001 χ^2/NDF:1455709.8/20

+ sign 7.619+/-0.001 χ^2/NDF: 1921582.1/37

All: 7.678+/-0.001 χ^2/NDF: 3601163.2/77

- 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: -9.483+/-1.971 χ^2/NDF:57.6/21

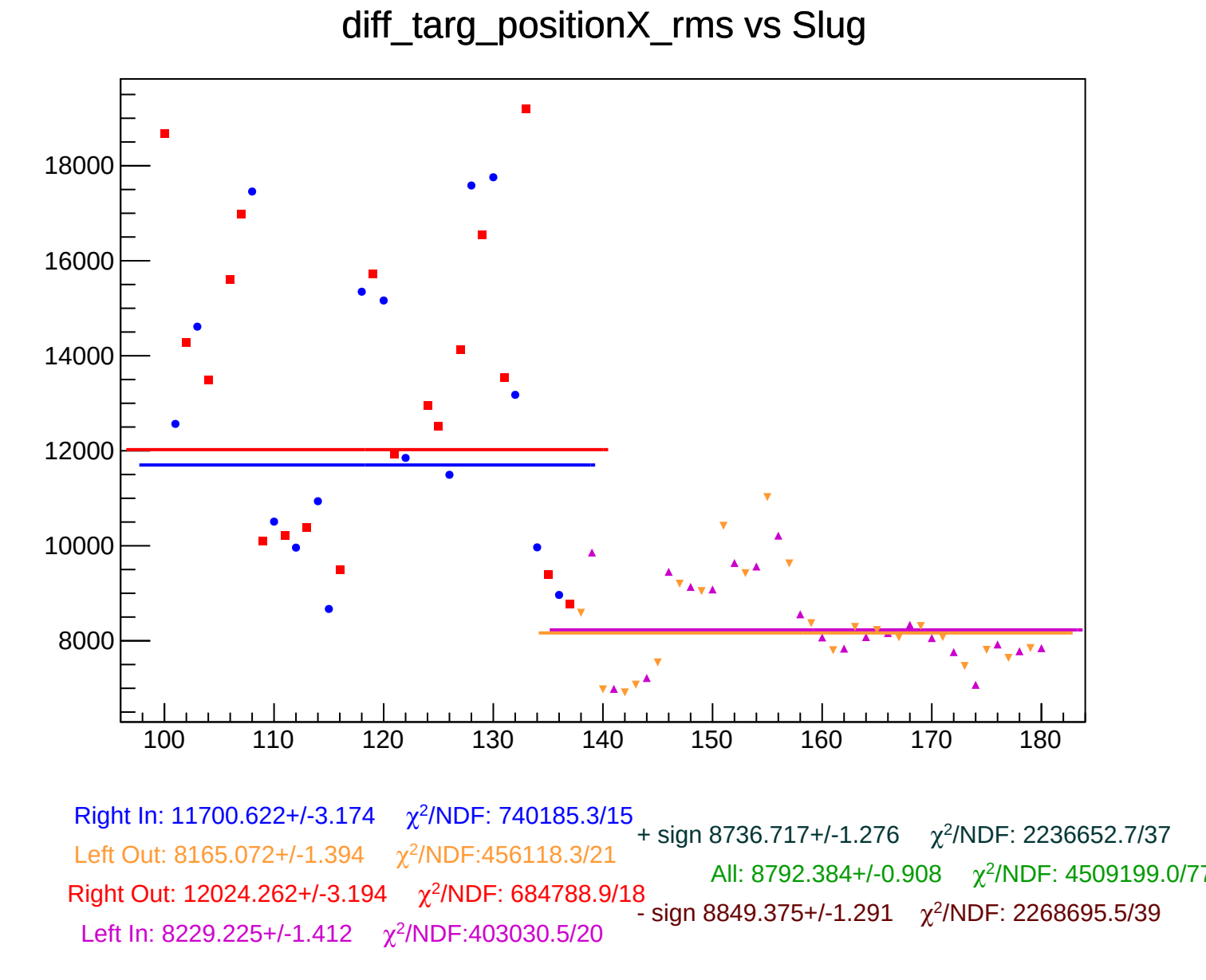
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

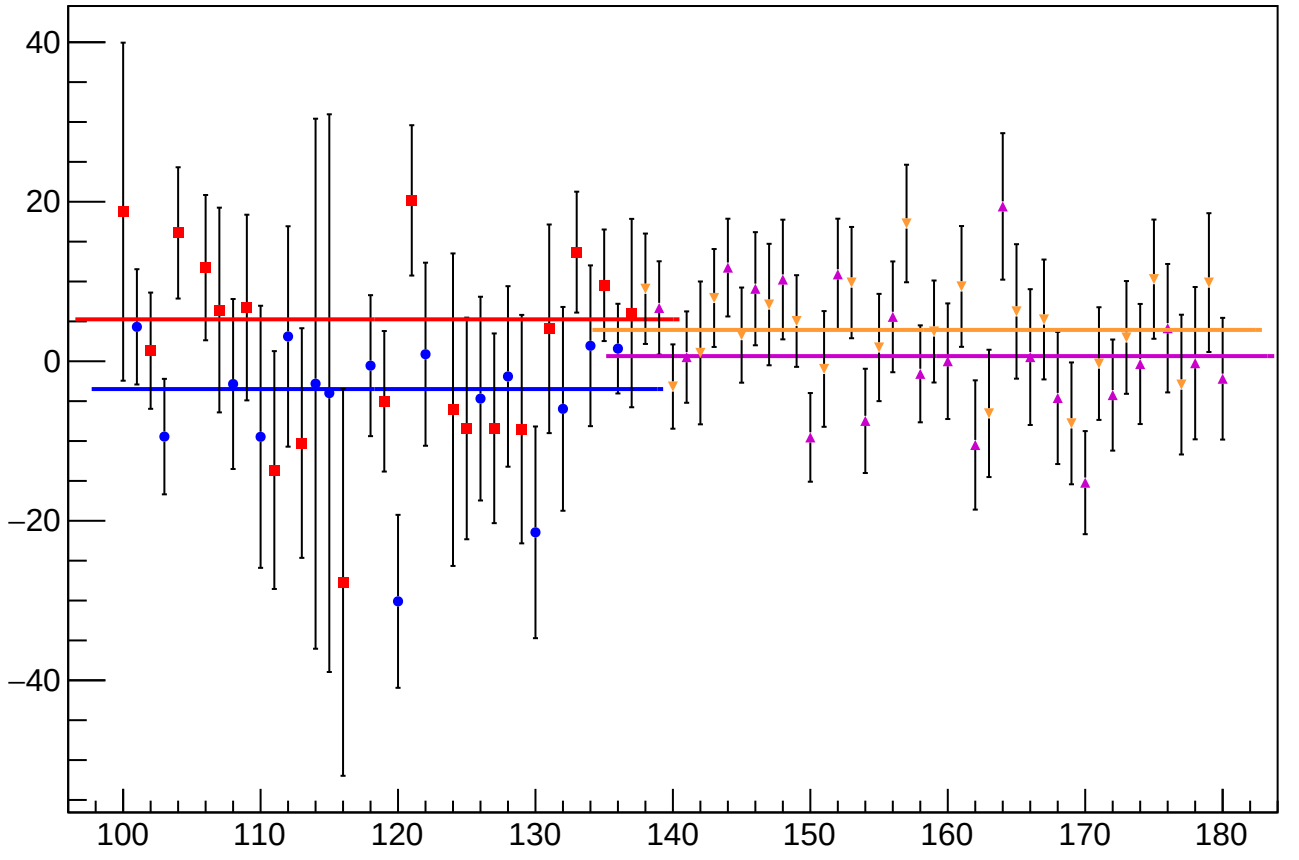
Left In: -1.772+/-1.996 χ^2/NDF:25.7/20

+ sign -9.064+/-1.805 χ^2/NDF: 80.9/37

All: -6.108+/-1.284 χ^2/NDF: 128.7/77

- 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: 8165.072+/-1.394 χ²/NDF:456118.3/21
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8229.225+/-1.412 χ²/NDF:403030.5/20
+ sign 8736.717+/-1.276 χ²/NDF: 2236652.7/37
All: 8792.384+/-0.908 χ²/NDF: 4509199.0/77
- sign 8849.375+/-1.291 χ²/NDF: 2268695.5/39



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.933+/-1.504 χ^2/NDF:14.6/21

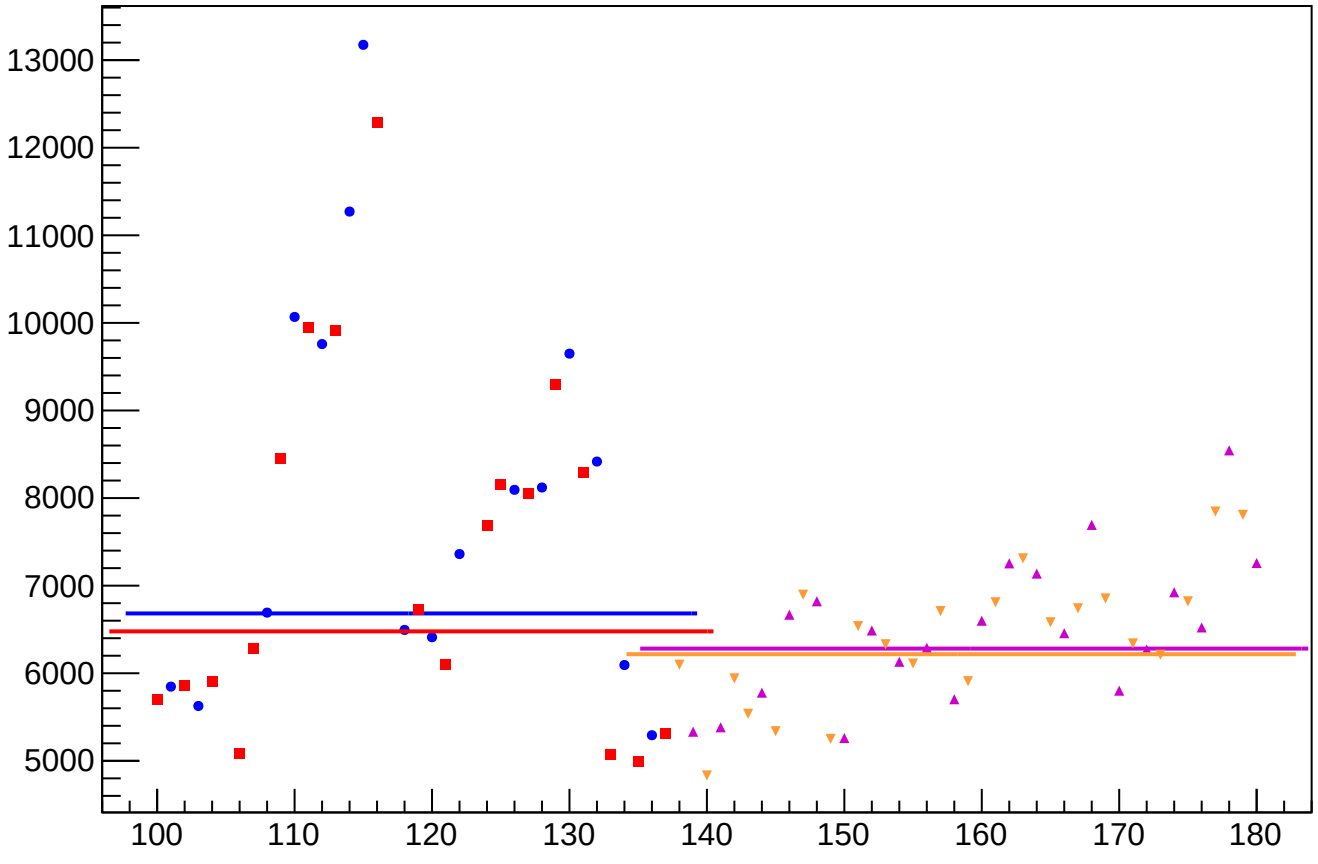
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 0.648+/-1.528 χ^2/NDF:28.5/20

+ sign 2.018+/-1.295 χ^2/NDF: 32.3/37

All: 1.980+/-0.916 χ^2/NDF: 79.9/77

- sign 1.942+/-1.296 χ^2/NDF: 47.6/39



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6217.409+/-1.063 χ^2/NDF:525649.4/21

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

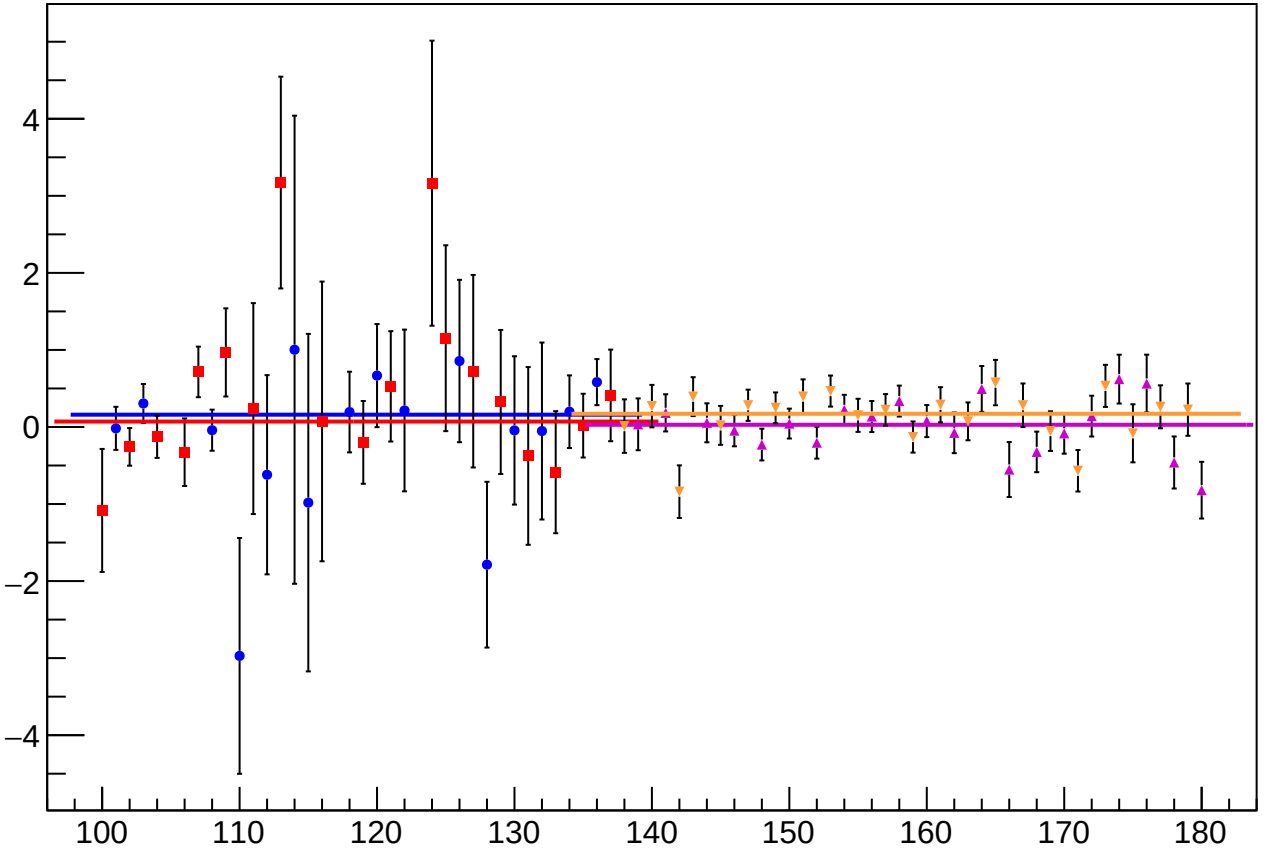
Left In: 6281.530+/-1.080 χ^2/NDF:501708.2/20

+ sign 6337.593+/-0.916 χ^2/NDF: 1267324.3/37

All: 6337.148+/-0.648 χ^2/NDF: 2617551.6/77

- sign 6336.702+/-0.916 χ^2/NDF: 1350226.8/39

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.171+/-0.053 χ^2/NDF:29.2/21

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

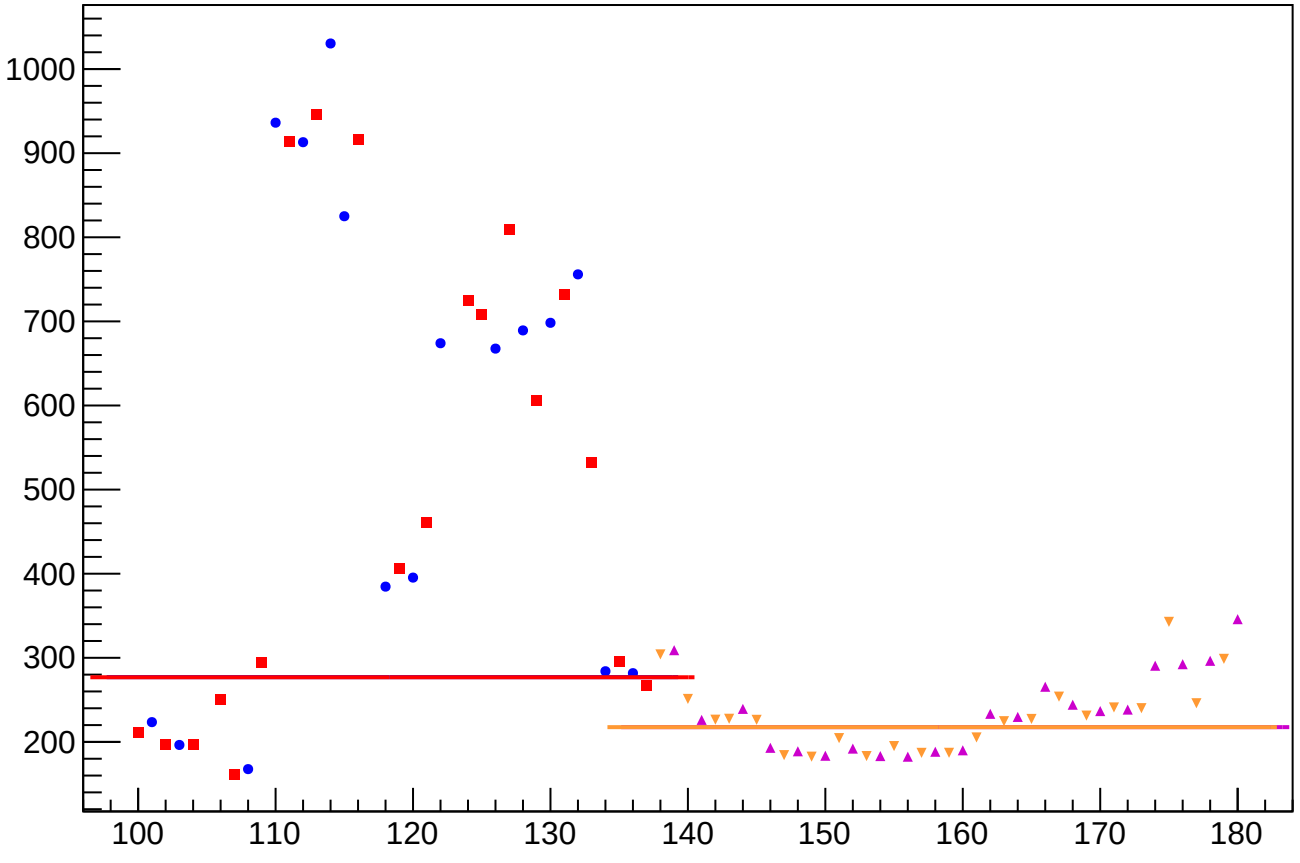
Left In: 0.028+/-0.054 χ^2/NDF:27.4/20

+ sign 0.169+/-0.048 χ^2/NDF: 41.8/37

All: 0.103+/-0.034 χ^2/NDF: 95.6/77

- 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: 217.546+/-0.037 χ^2/NDF:886557.3/21

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

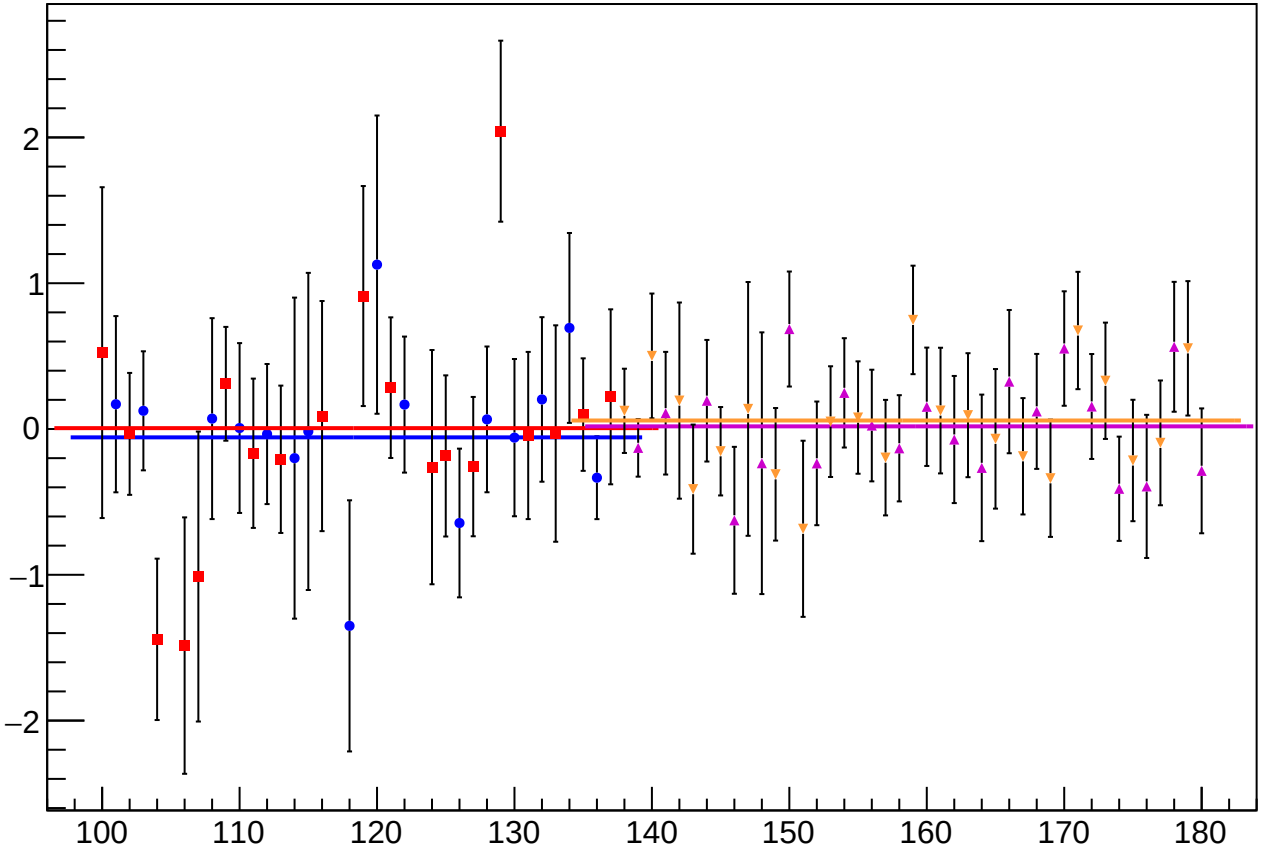
Left In: 217.559+/-0.038 χ^2/NDF:1154077.2/20

\+ sign 227.307+/-0.034 χ^2/NDF: 4750574.1/37

All: 227.386+/-0.024 χ^2/NDF: 9885232.9/77

\- 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: 0.058+/-0.088 χ^2/NDF:14.8/21

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

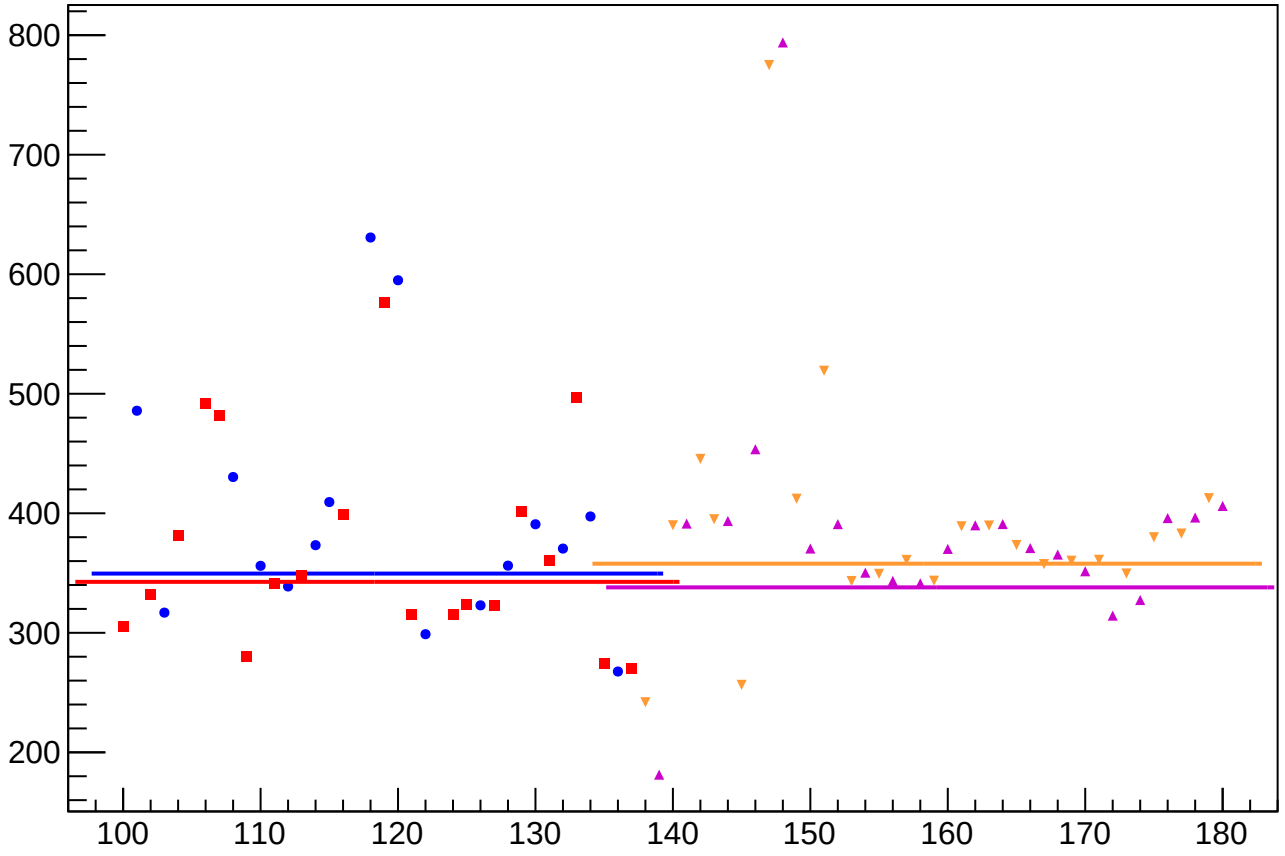
Left In: 0.018+/-0.085 χ^2/NDF:13.3/20

+ sign 0.023+/-0.074 χ^2/NDF: 23.4/37

All: 0.019+/-0.051 χ^2/NDF: 61.9/77

- 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: 357.842+/-0.063 χ^2/NDF:1308413.8/21

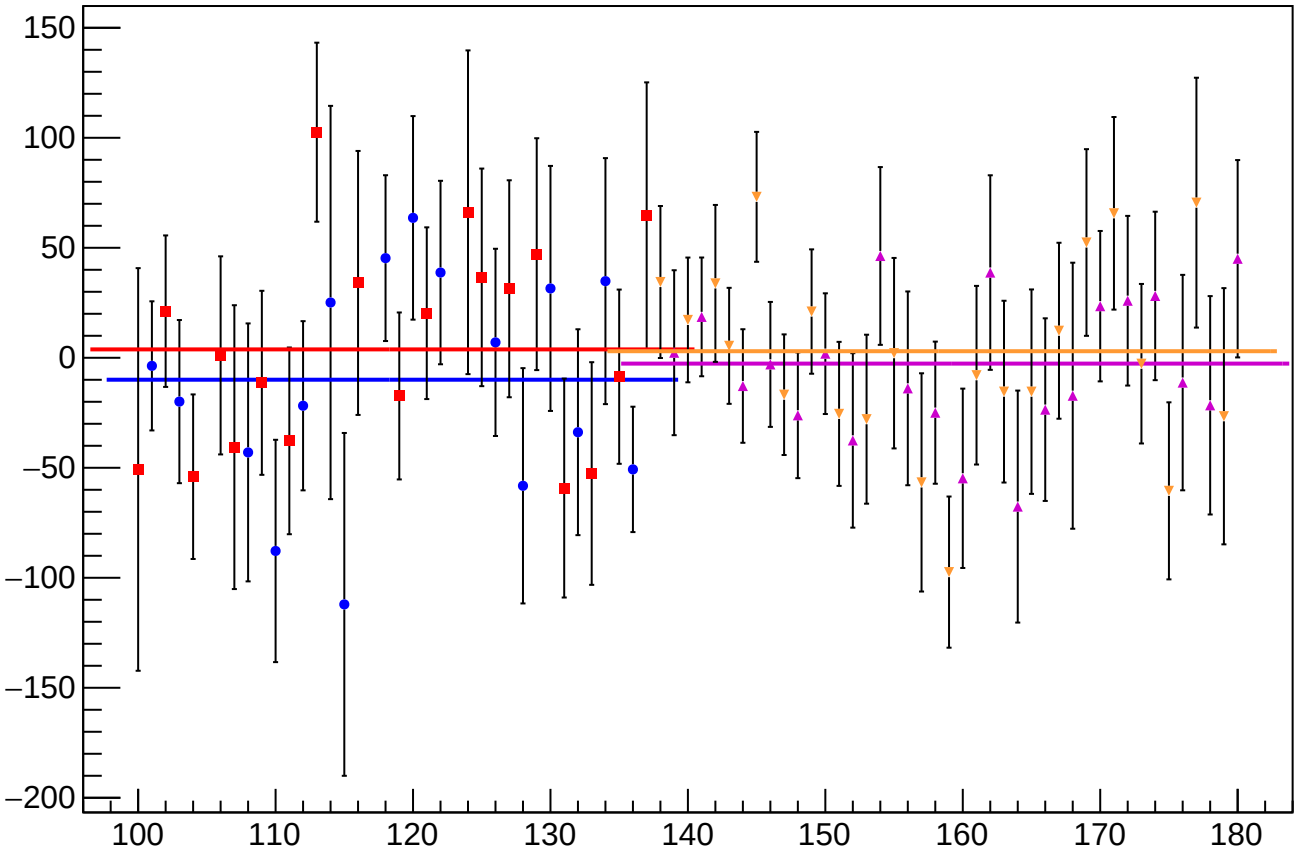
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 338.022+/-0.060 χ^2/NDF:2201946.3/20

\+ sign 355.325+/-0.052 χ^2/NDF: 2013050.7/37

All: 347.070+/-0.036 χ^2/NDF: 4840788.6/77

\- sign 339.423+/-0.050 χ^2/NDF: 2779495.3/39



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.989+/-7.721 χ^2/NDF:27.9/21

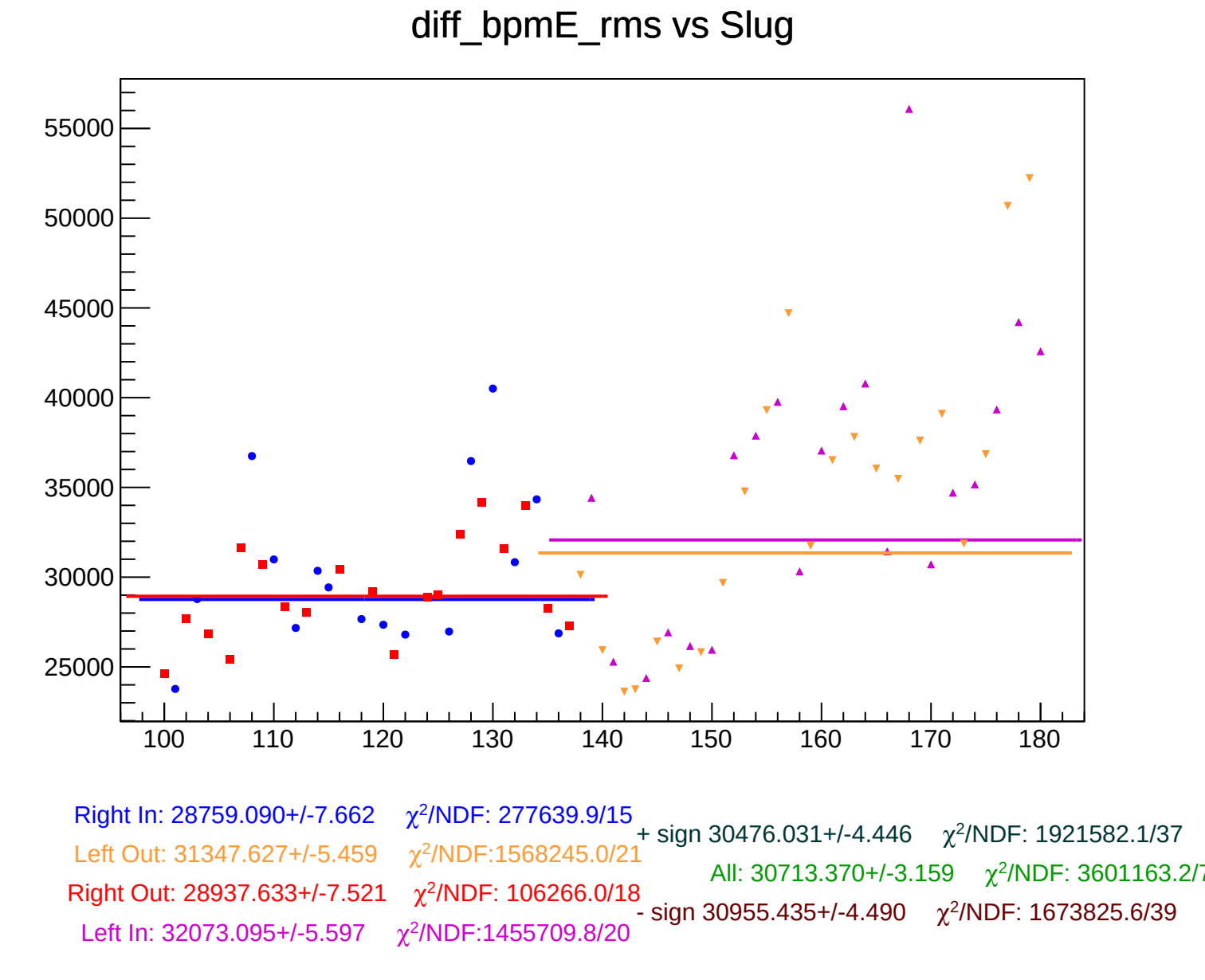
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.647+/-7.916 χ^2/NDF:11.7/20

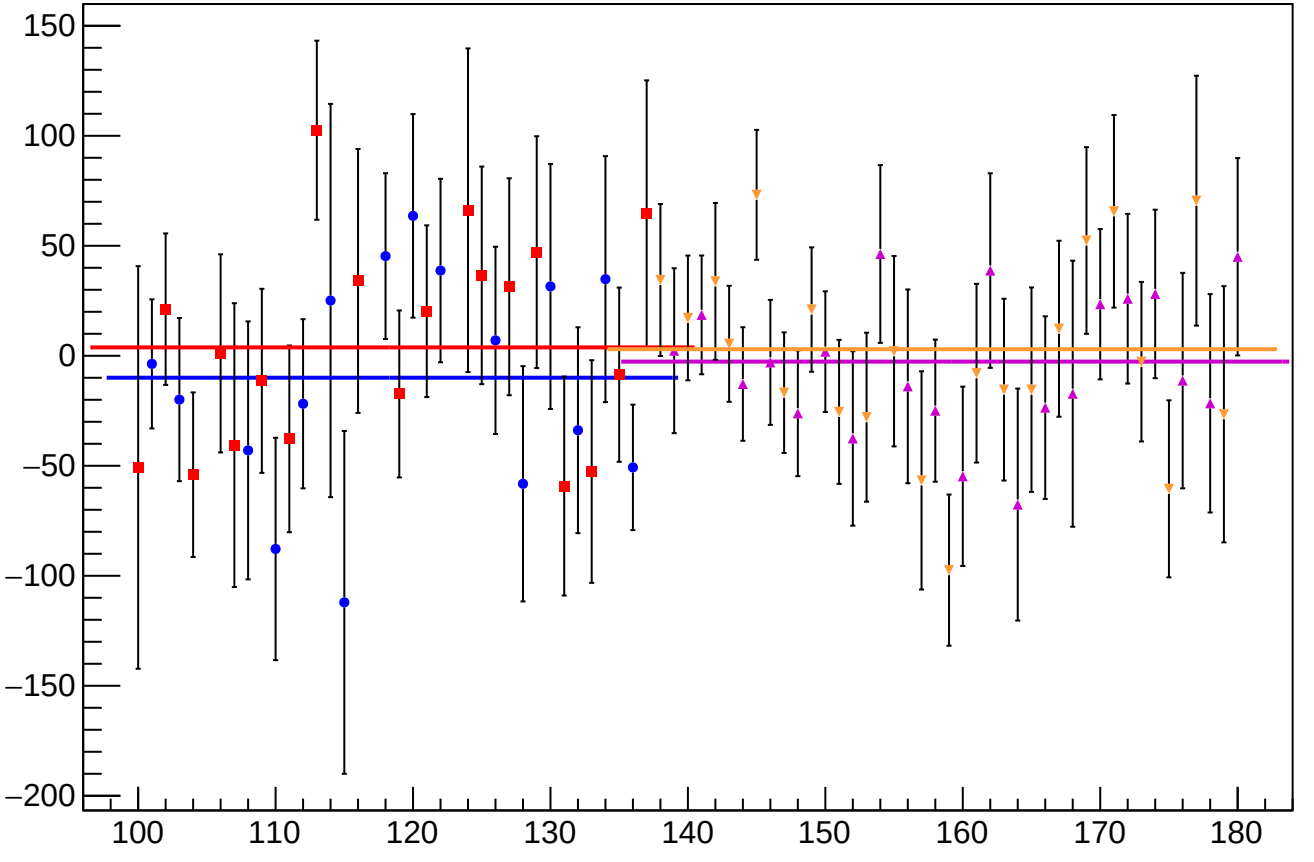
+ sign -1.374+/-6.288 χ^2/NDF: 44.1/37

All: -0.864+/-4.468 χ^2/NDF: 73.4/77

- 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: 31347.627+/-5.459 χ²/NDF:1568245.0/21
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32073.095+/-5.597 χ²/NDF:1455709.8/20
+ sign 30476.031+/-4.446 χ²/NDF: 1921582.1/37
All: 30713.370+/-3.159 χ²/NDF: 3601163.2/7
- 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: 2.989+/-7.721 χ^2/NDF:27.9/21

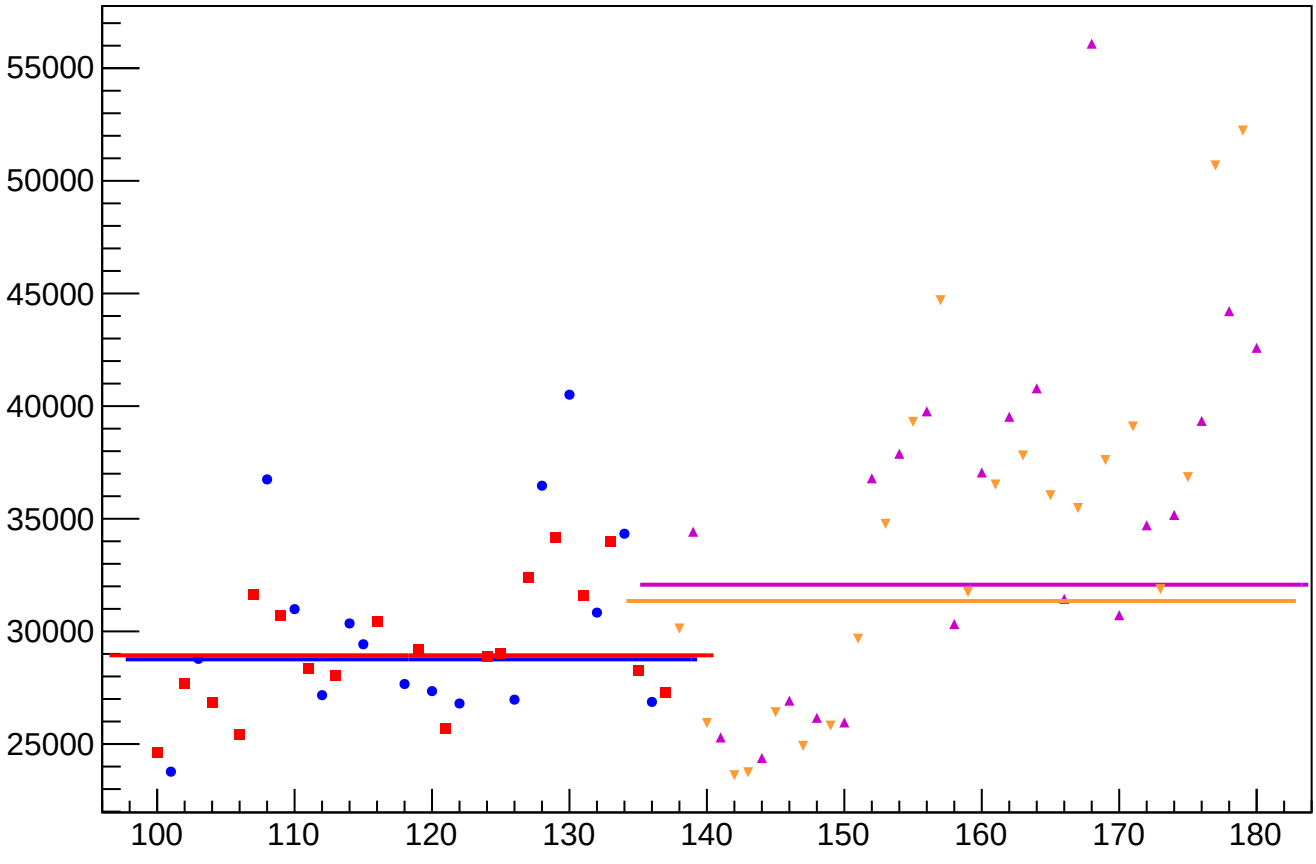
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.647+/-7.916 χ^2/NDF:11.7/20

+ sign -1.374+/-6.288 χ^2/NDF: 44.1/37

All: -0.864+/-4.468 χ^2/NDF: 73.4/77

- 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: 31347.627+/-5.459 χ^2/NDF:1568245.0/21

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

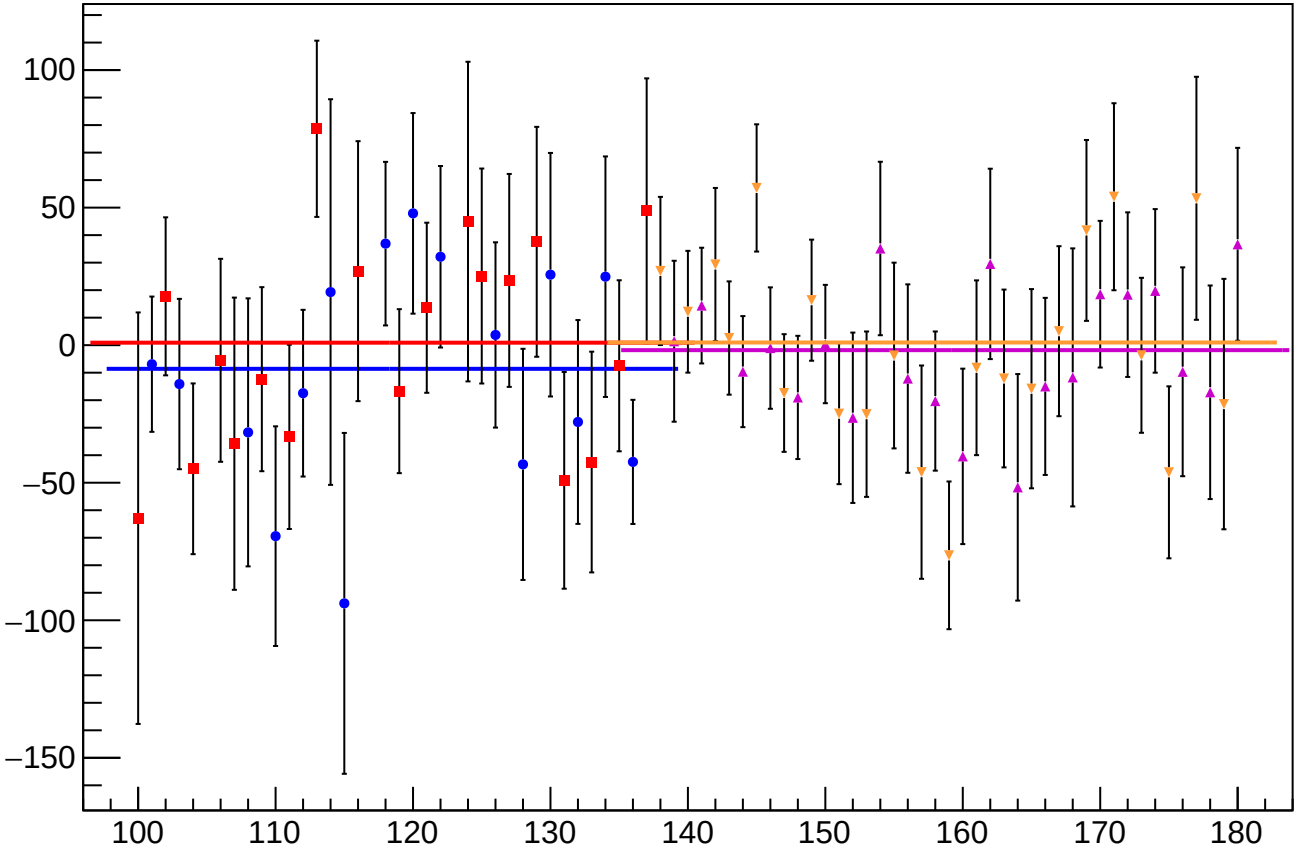
Left In: 32073.095+/-5.597 χ^2/NDF:1455709.8/20

+ sign 30476.031+/-4.446 χ^2/NDF: 1921582.1/37

All: 30713.370+/-3.159 χ^2/NDF: 3601163.2/7

- 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: 0.972+/-6.022 χ^2/NDF:29.3/21

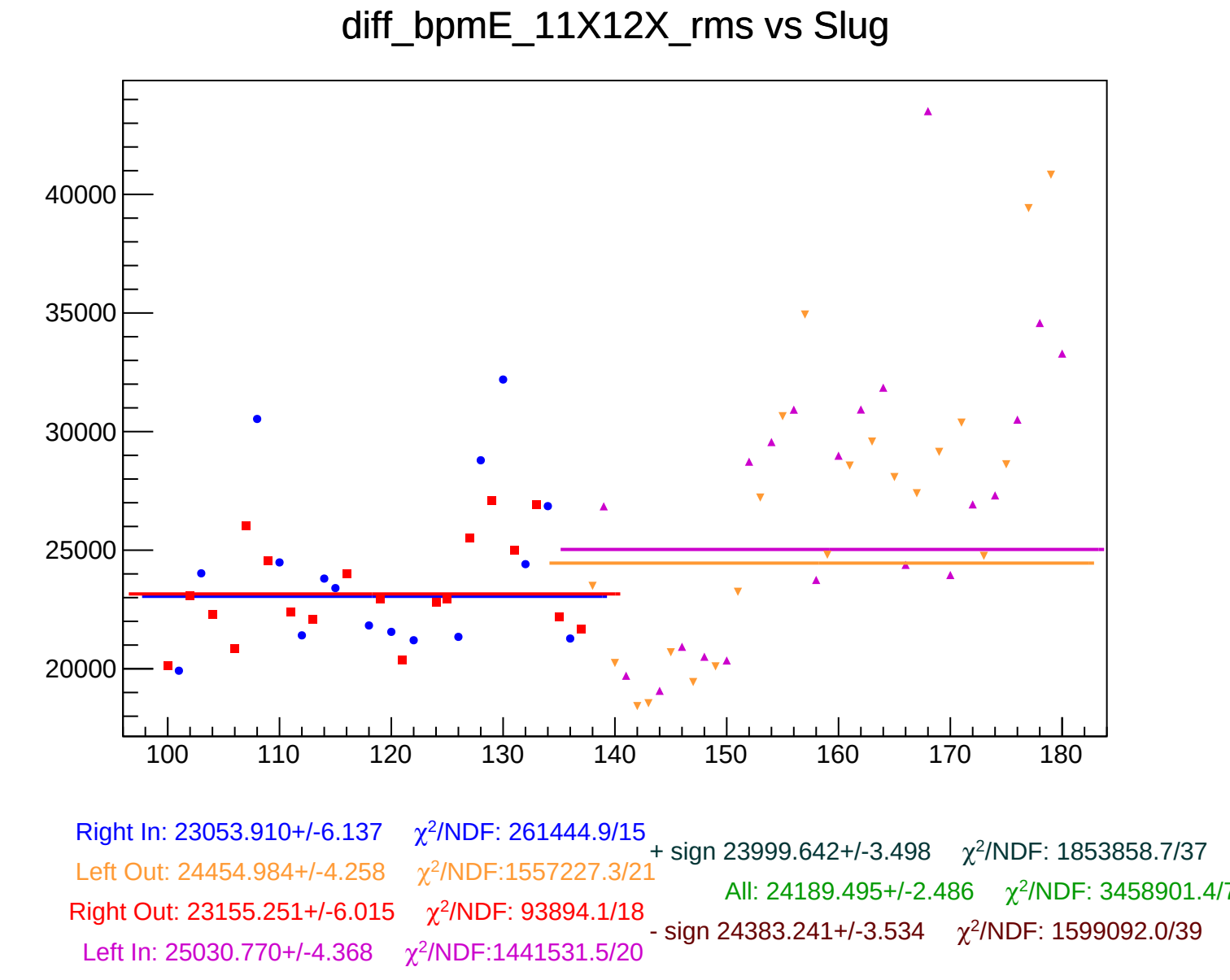
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

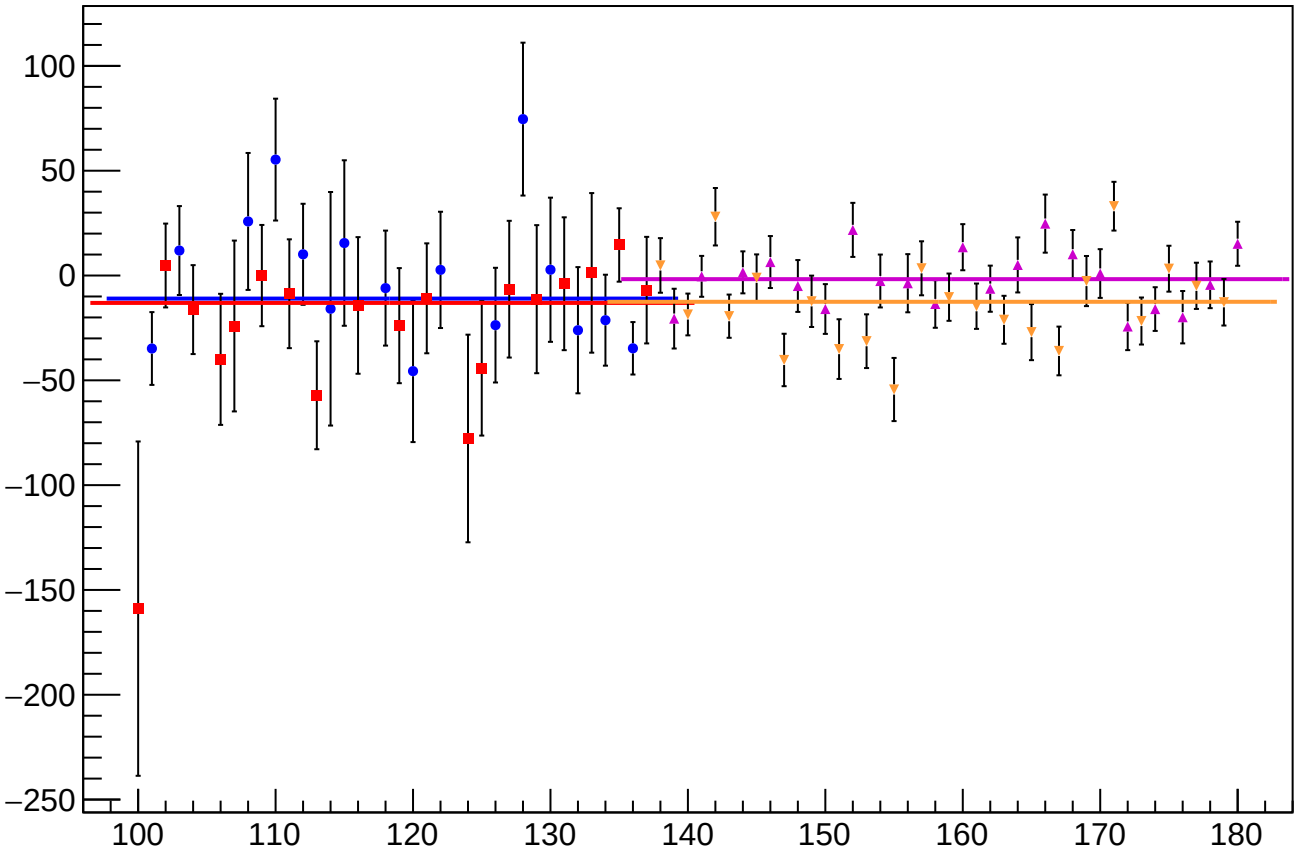
Left In: -1.812+/-6.177 χ^2/NDF:10.9/20

+ sign -2.139+/-4.947 χ^2/NDF: 45.7/37

All: -1.513+/-3.516 χ^2/NDF: 74.3/77

- 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: 24454.984+/-4.258 χ²/NDF:1557227.3/21
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 25030.770+/-4.368 χ²/NDF:1441531.5/20
+ sign 23999.642+/-3.498 χ²/NDF: 1853858.7/37
All: 24189.495+/-2.486 χ²/NDF: 3458901.4/7
- sign 24383.241+/-3.534 χ²/NDF: 1599092.0/39



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.529+/-2.521 χ^2/NDF:56.4/21

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

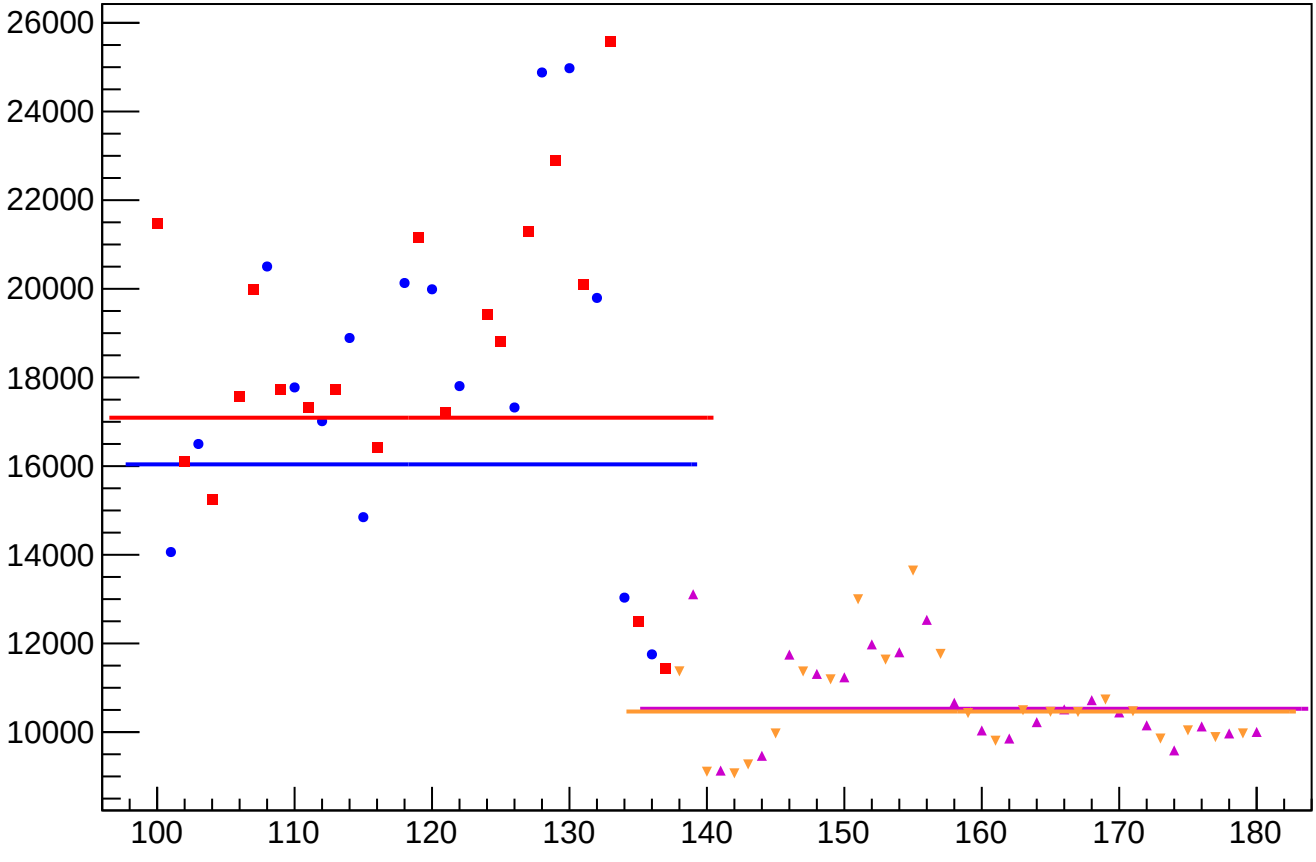
Left In: -1.733+/-2.550 χ^2/NDF:26.0/20

+ sign -12.310+/-2.333 χ^2/NDF: 78.5/37

All: -7.868+/-1.662 χ^2/NDF: 128.4/77

- 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: 10464.559+/-1.783 χ^2/NDF:331883.1/21

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

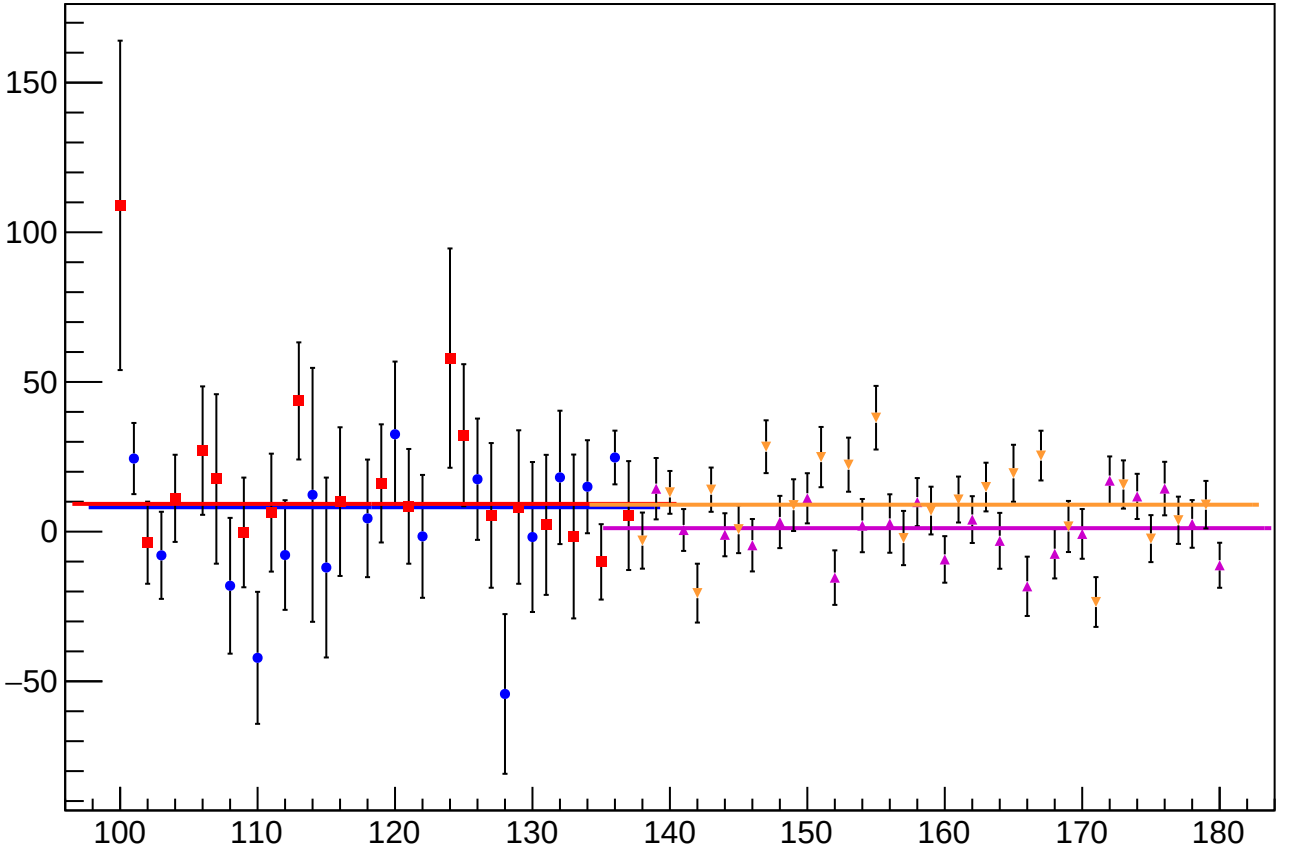
Left In: 10526.454+/-1.803 χ^2/NDF:295044.8/20

+ sign 11265.767+/-1.650 χ^2/NDF: 2459896.8/37

All: 11346.851+/-1.175 χ^2/NDF: 5121039.5/7

- 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: 8.998+/-1.797 χ^2/NDF:56.0/21

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

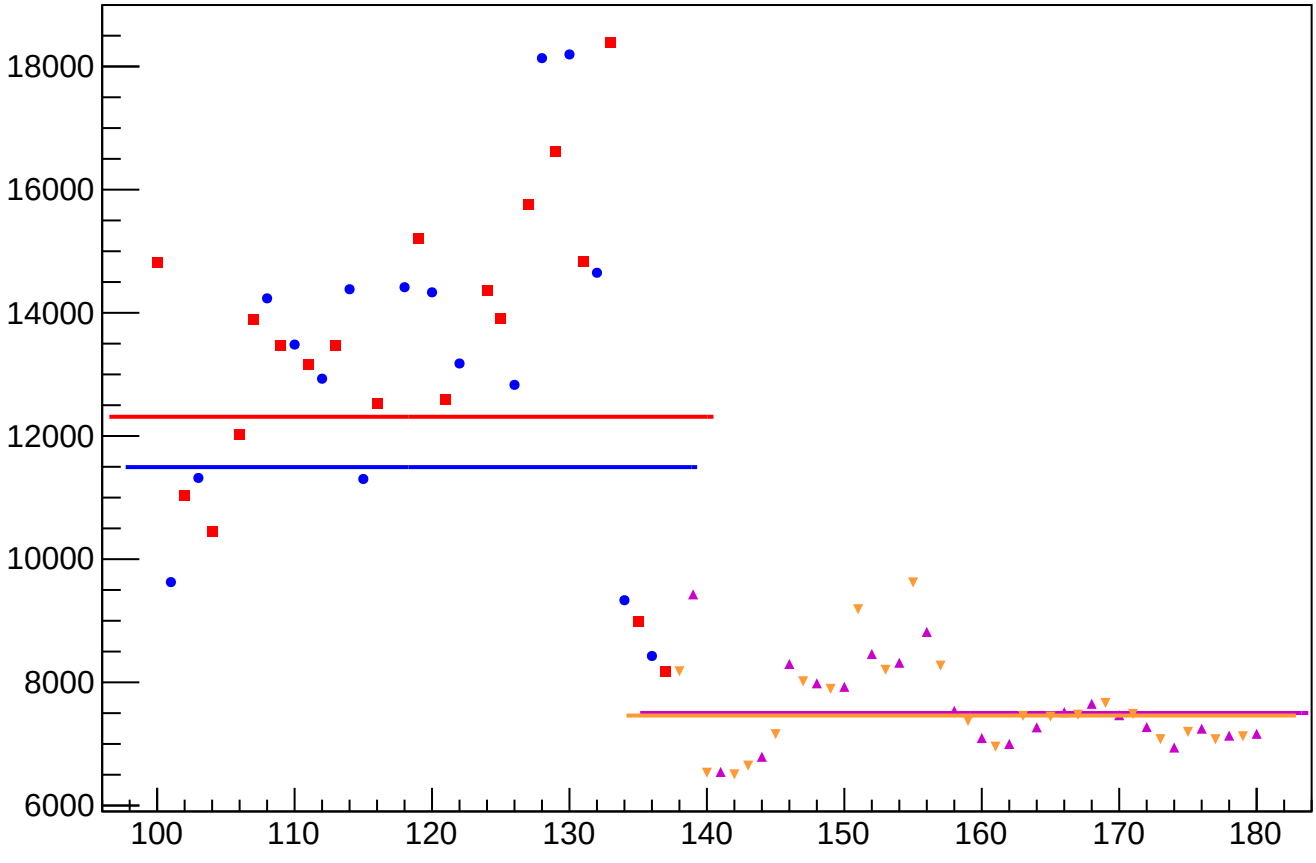
Left In: 1.160+/-1.817 χ^2/NDF:26.0/20

+ sign 8.878+/-1.665 χ^2/NDF: 77.8/37

All: 5.615+/-1.186 χ^2/NDF: 128.2/77

- 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: 7460.962+/-1.271 χ^2/NDF:300684.4/21

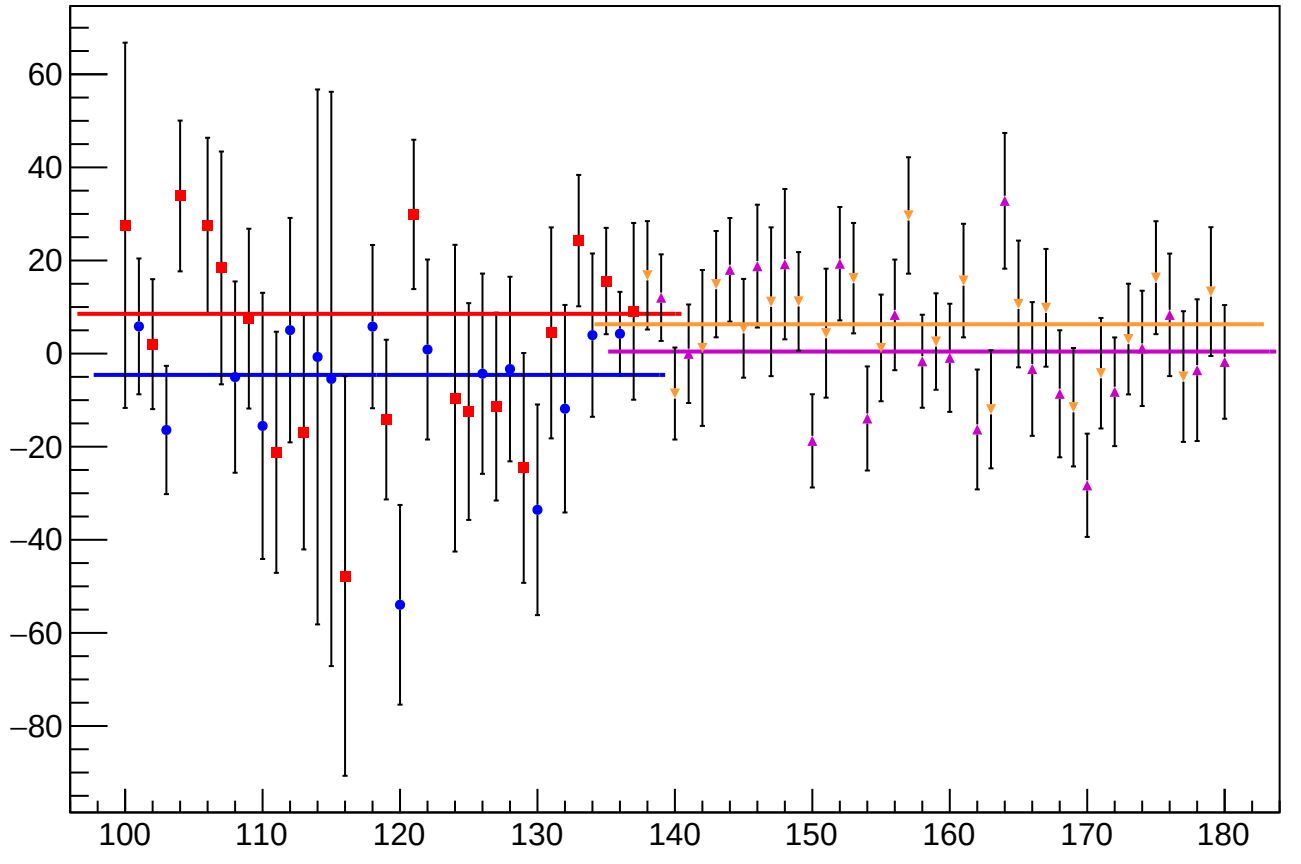
Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7502.357+/-1.285 χ^2/NDF:269026.2/20

+ sign 8032.433+/-1.177 χ^2/NDF: 2518780.8/37

All: 8090.132+/-0.839 χ^2/NDF: 5278227.8/77

- 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: 6.303+/-2.597 χ^2/NDF:15.8/21

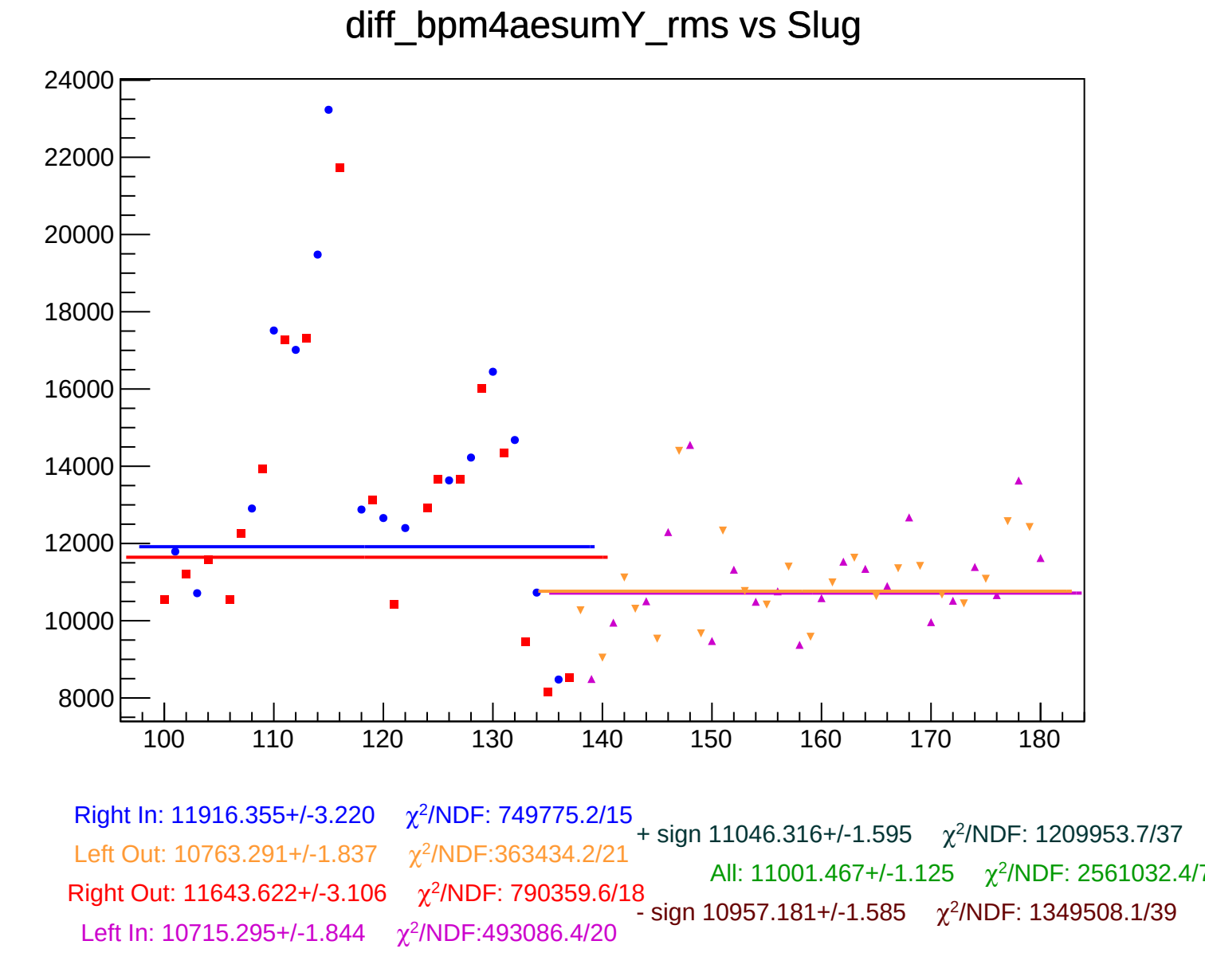
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 0.439+/-2.607 χ^2/NDF:30.4/20

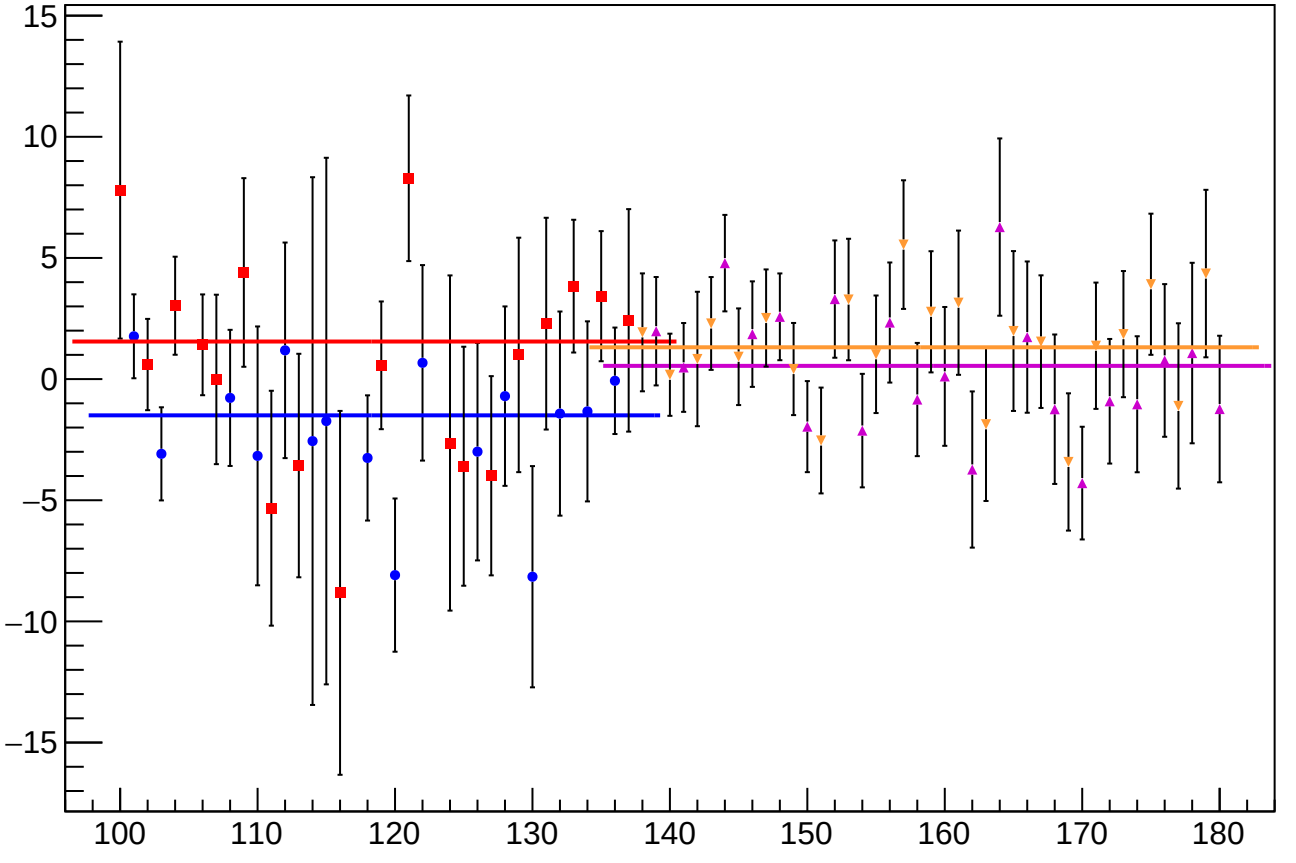
\+ sign 3.632+/-2.256 χ^2/NDF: 30.4/37

All: 3.087+/-1.590 χ^2/NDF: 80.6/77

\- 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: 10763.291+/-1.837 χ²/NDF:363434.2/21
Right Out: 11643.622+/-3.106 χ²/NDF: 790359.6/18
Left In: 10715.295+/-1.844 χ²/NDF:493086.4/20
+ sign 11046.316+/-1.595 χ²/NDF: 1209953.7/37
All: 11001.467+/-1.125 χ²/NDF: 2561032.4/7
- 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: 1.313+/-0.521 χ^2/NDF:14.4/21

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

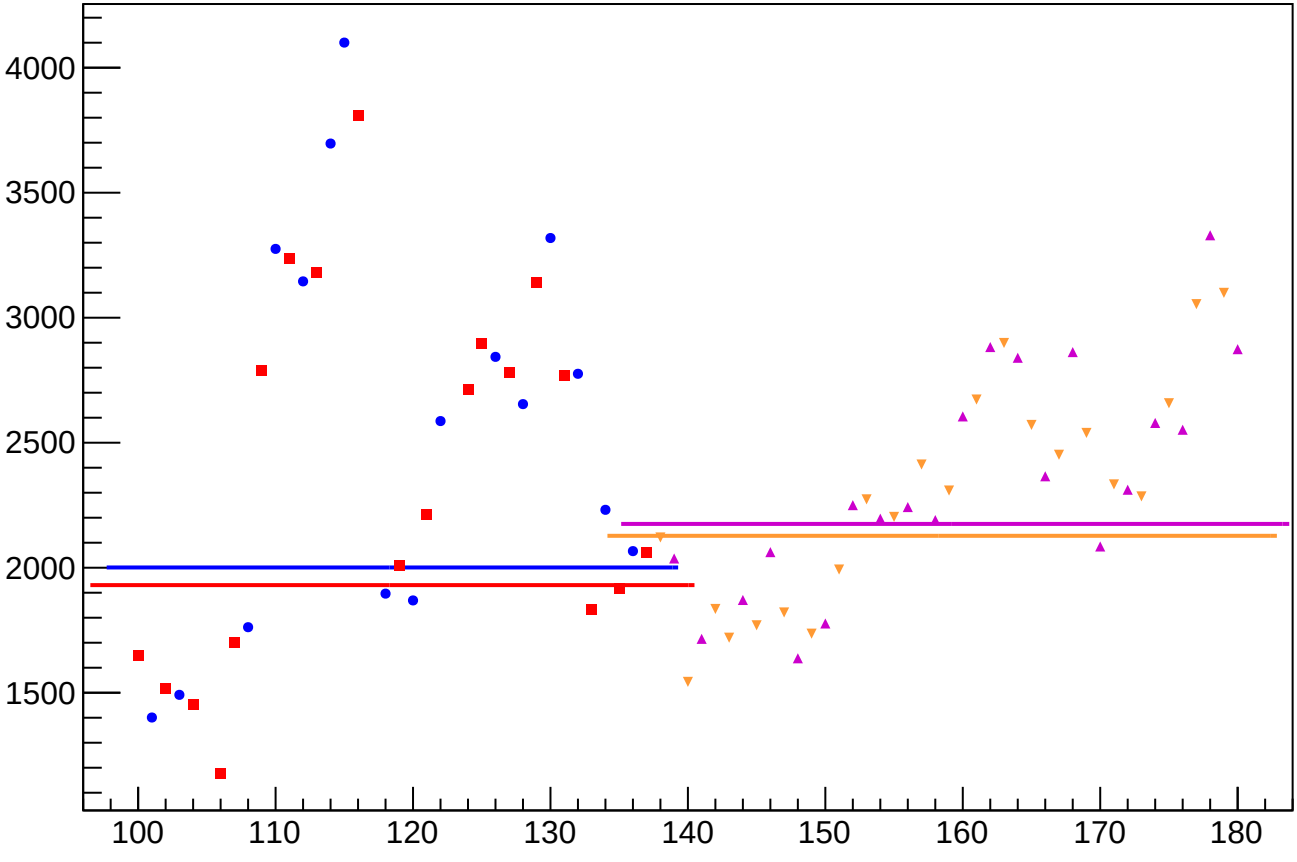
Left In: 0.546+/-0.534 χ^2/NDF:21.9/20

+ sign 0.443+/-0.433 χ^2/NDF: 36.0/37

All: 0.665+/-0.307 χ^2/NDF: 75.9/77

- 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: 2127.653+/-0.369 χ^2/NDF:1280006.8/21

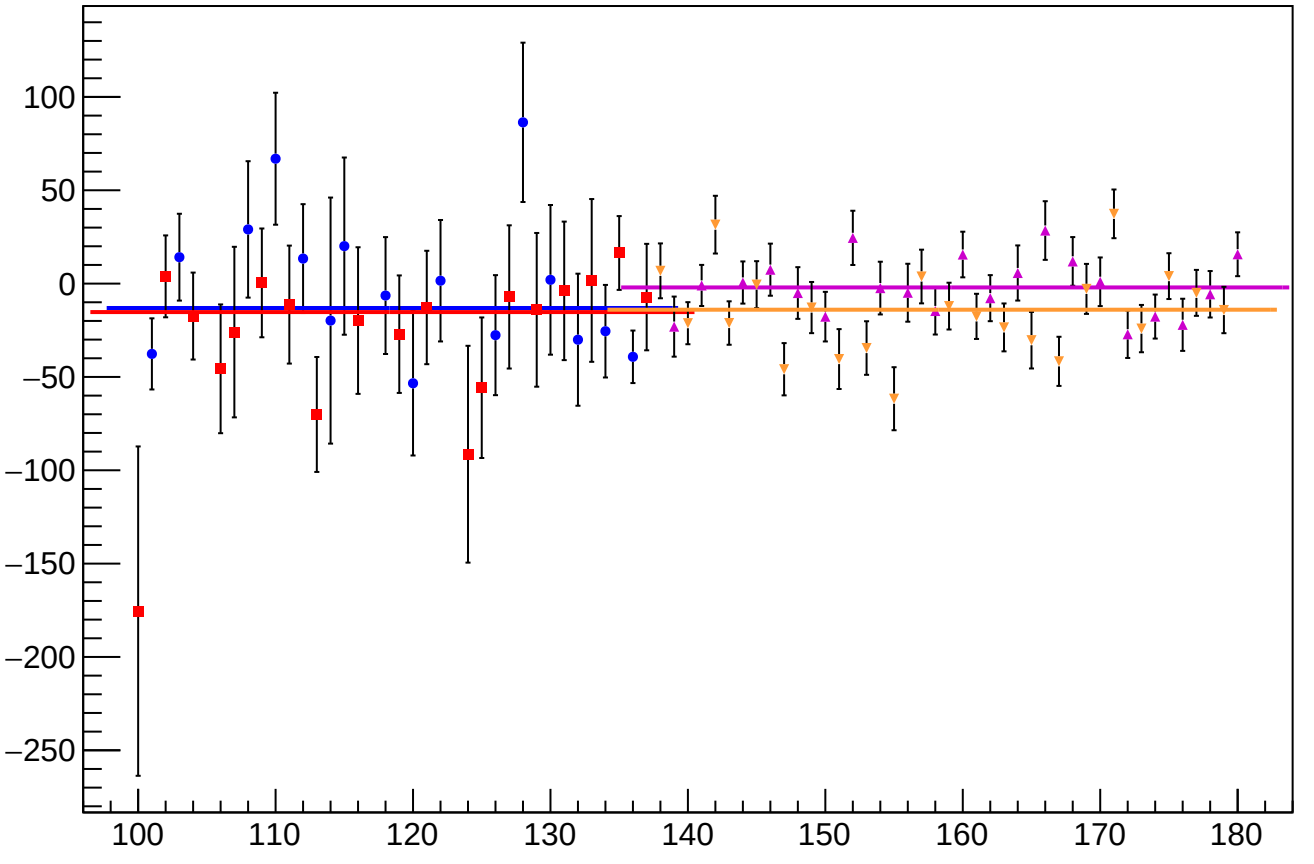
Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2175.195+/-0.378 χ^2/NDF:1150944.6/20

+ sign 2088.438+/-0.306 χ^2/NDF: 2506359.5/37

All: 2090.190+/-0.217 χ^2/NDF: 5203561.1/77

- sign 2091.952+/-0.307 χ^2/NDF: 2697135.9/39



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -13.984+/-2.831 χ^2/NDF:57.8/21

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

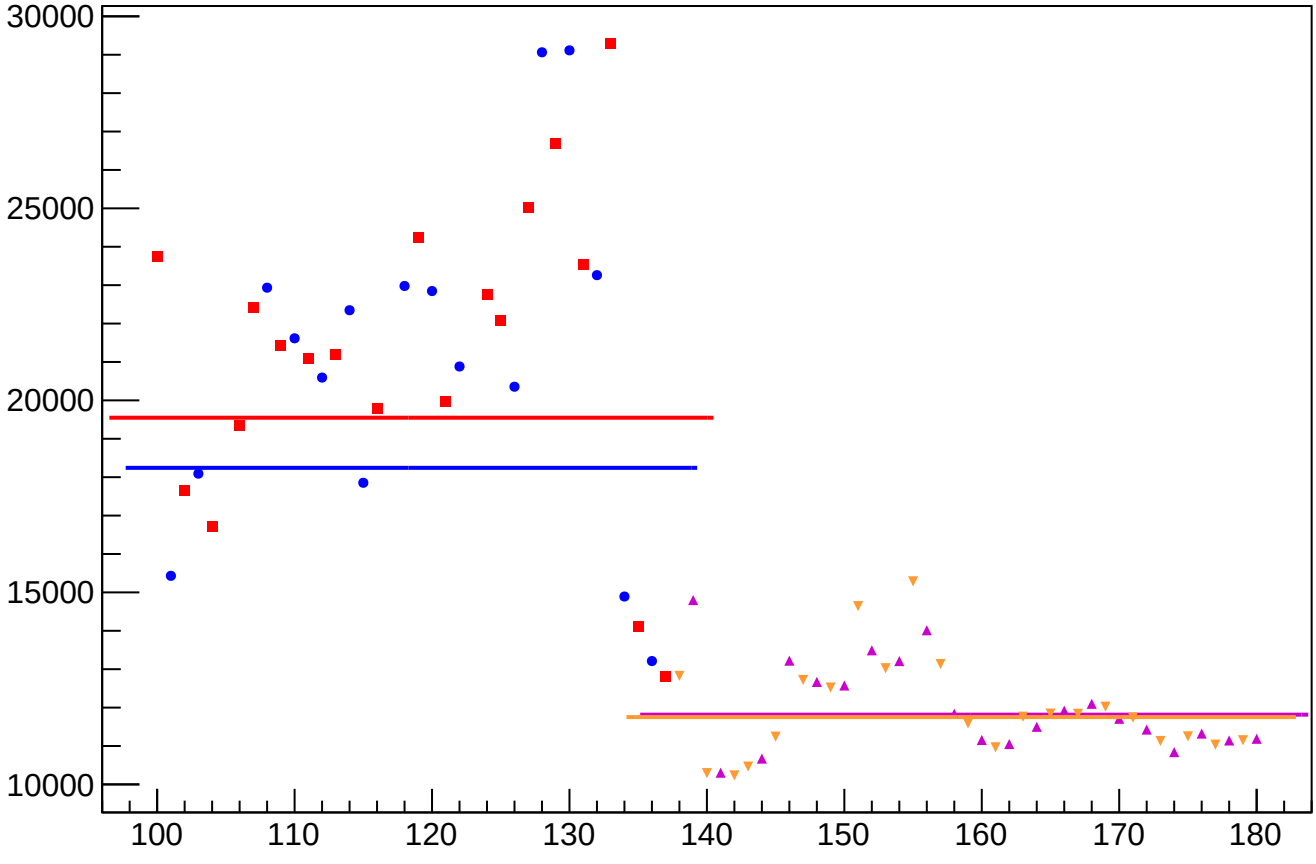
Left In: -2.052+/-2.862 χ^2/NDF:25.7/20

\+ sign -13.856+/-2.626 χ^2/NDF: 79.7/37

All: -8.904+/-1.871 χ^2/NDF: 129.8/77

\- 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: 11752.878+/-2.002 χ^2/NDF:323272.2/21

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

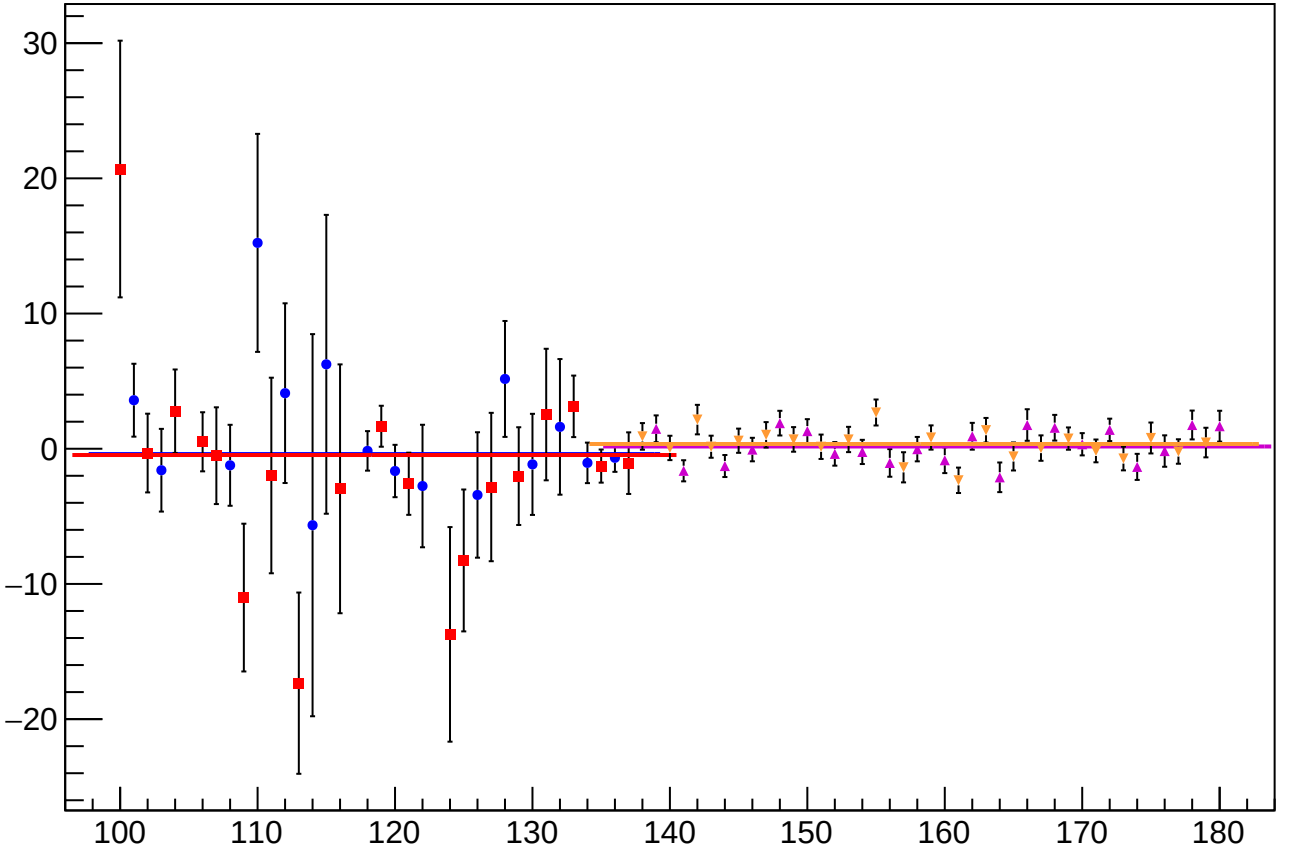
Left In: 11816.351+/-2.024 χ^2/NDF:292824.2/20

+ sign 12659.577+/-1.857 χ^2/NDF: 2611246.6/37

All: 12749.232+/-1.323 χ^2/NDF: 5465783.2/7

- 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: 0.351+/-0.200 χ^2/NDF:25.6/21

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

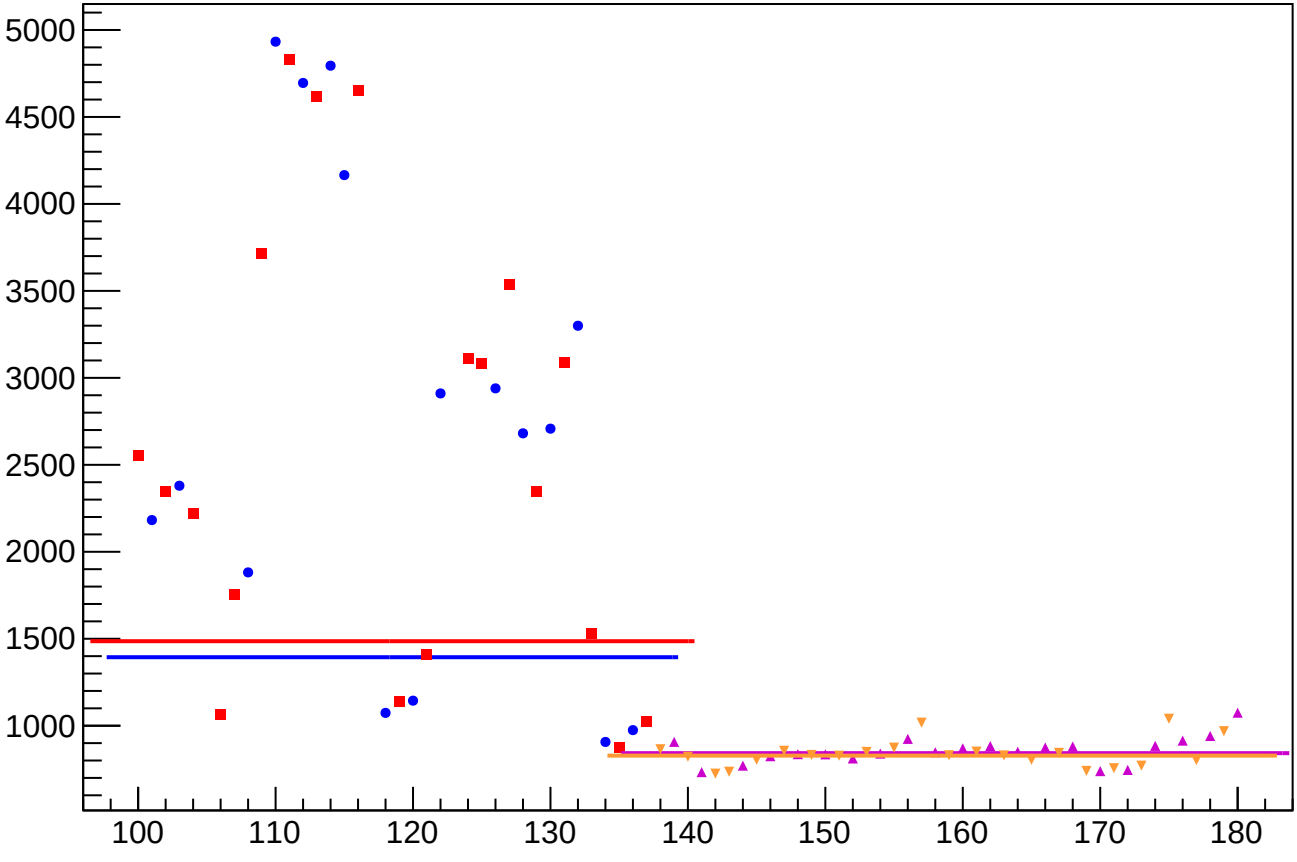
Left In: 0.167+/-0.204 χ^2/NDF:36.3/20

+ sign 0.276+/-0.189 χ^2/NDF: 37.4/37

All: 0.194+/-0.136 χ^2/NDF: 103.1/77

- 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: 828.185+/-0.141 χ^2/NDF:265635.3/21

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

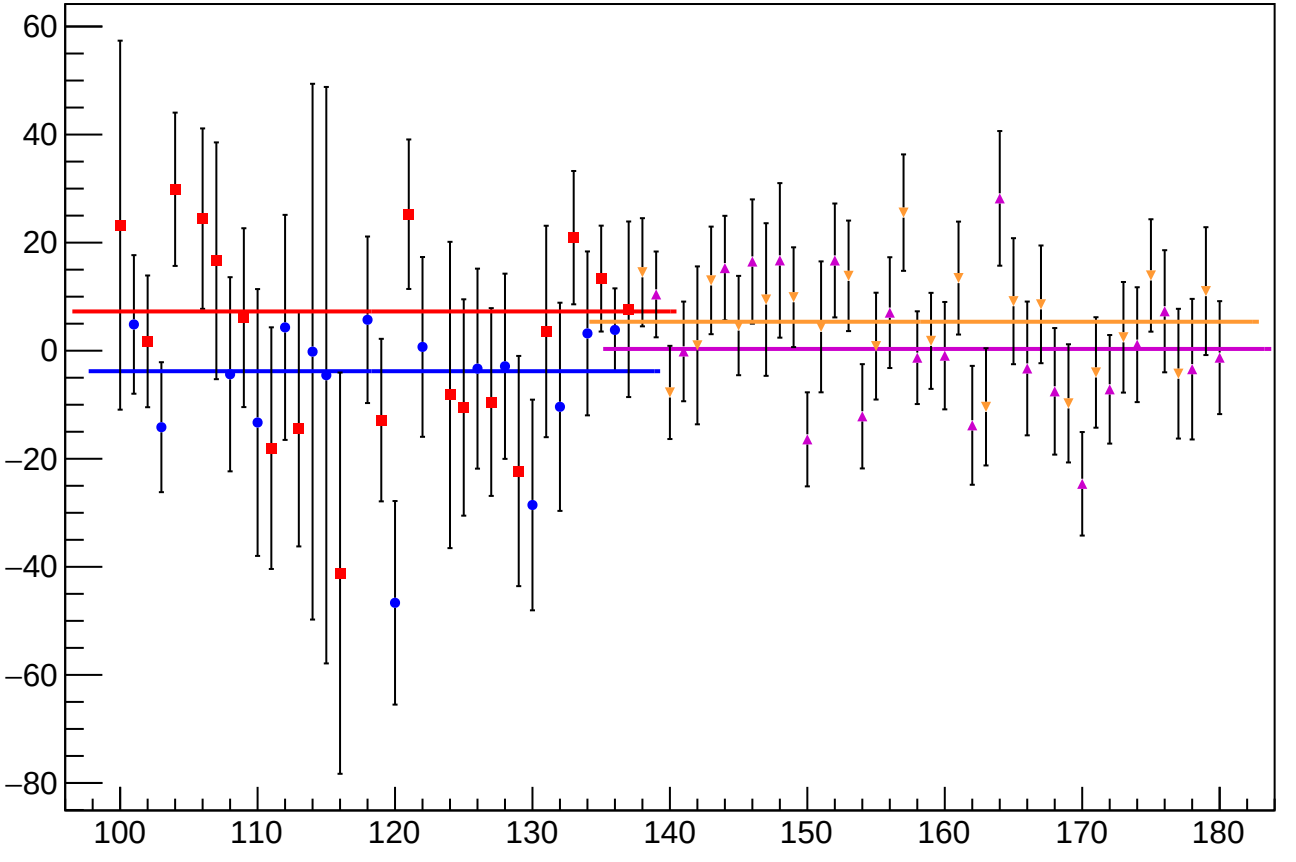
Left In: 842.303+/-0.145 χ^2/NDF:260125.9/20

+ sign 884.526+/-0.134 χ^2/NDF: 5246897.3/37

All: 893.500+/-0.096 χ^2/NDF: 10782953.5/77

- 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: 5.360+/-2.242 χ^2/NDF:16.0/21

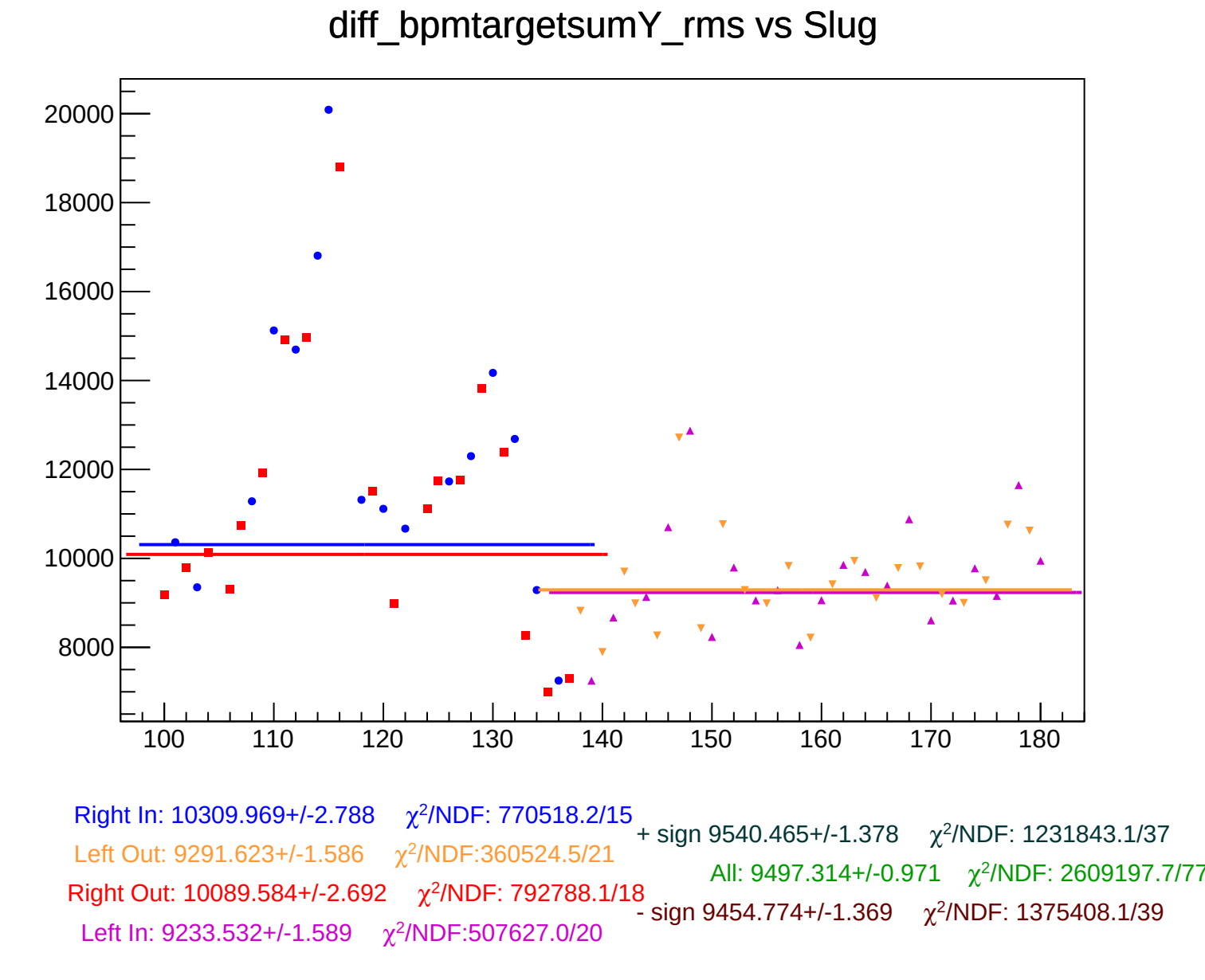
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 0.325+/-2.247 χ^2/NDF:30.6/20

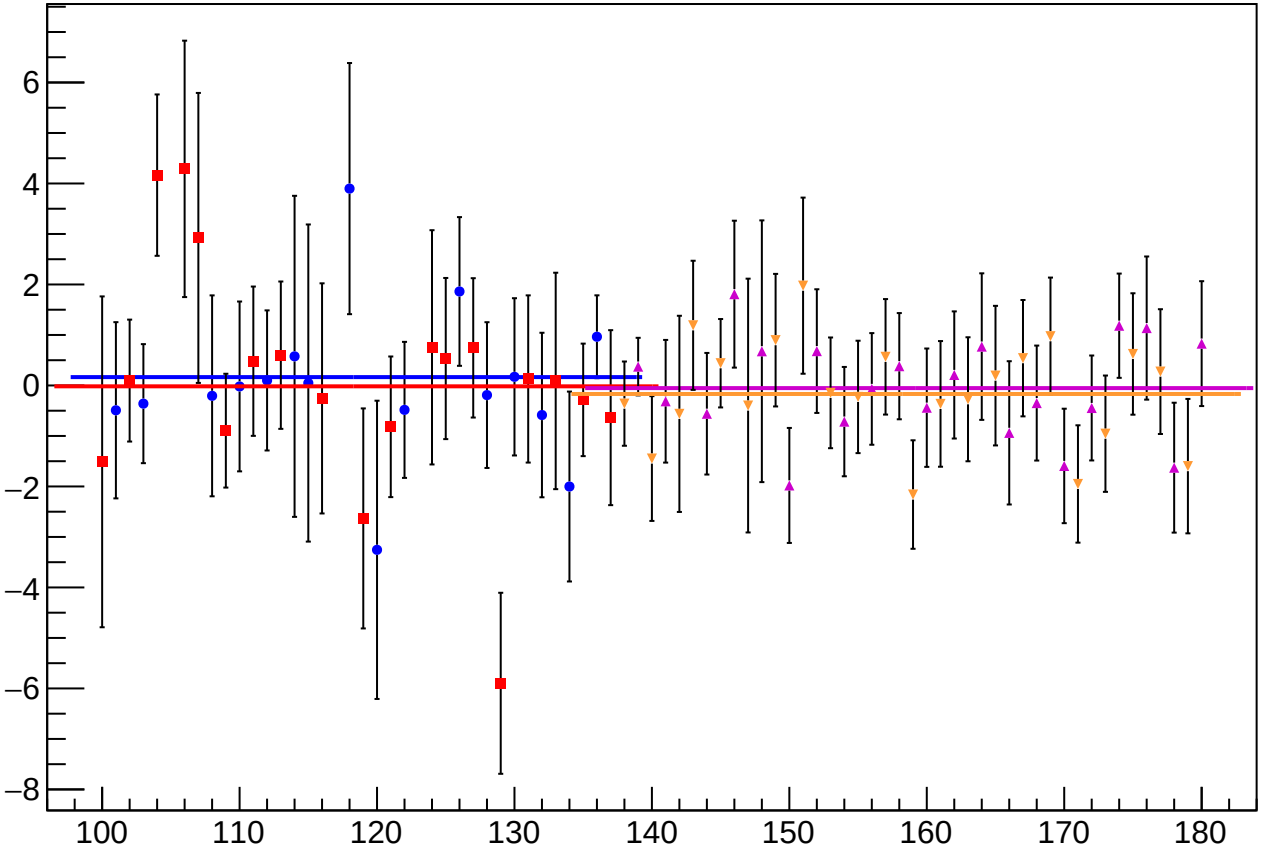
+ sign 3.123+/-1.949 χ^2/NDF: 30.1/37

All: 2.617+/-1.373 χ^2/NDF: 80.6/77

- 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: 9291.623+/-1.586 χ²/NDF:360524.5/21
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9233.532+/-1.589 χ²/NDF:507627.0/20
+ sign 9540.465+/-1.378 χ²/NDF: 1231843.1/37
All: 9497.314+/-0.971 χ²/NDF: 2609197.7/77
- sign 9454.774+/-1.369 χ²/NDF: 1375408.1/39

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.169+/-0.255 χ^2/NDF:14.8/21

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

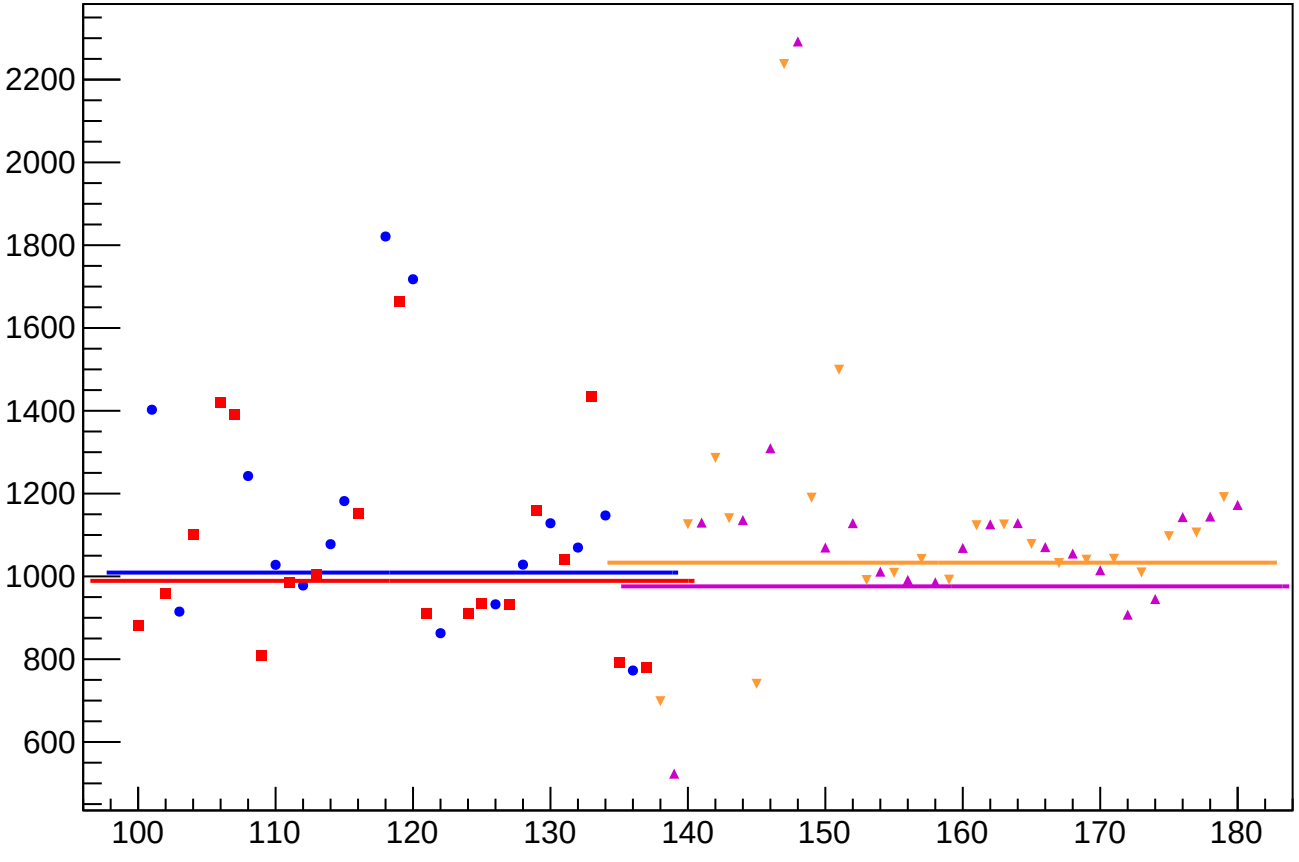
Left In: -0.052+/-0.246 χ^2/NDF:13.3/20

+ sign -0.067+/-0.213 χ^2/NDF: 23.4/37

All: -0.054+/-0.148 χ^2/NDF: 61.9/77

- 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: 1033.132+/-0.181 χ^2/NDF:1308413.8/21

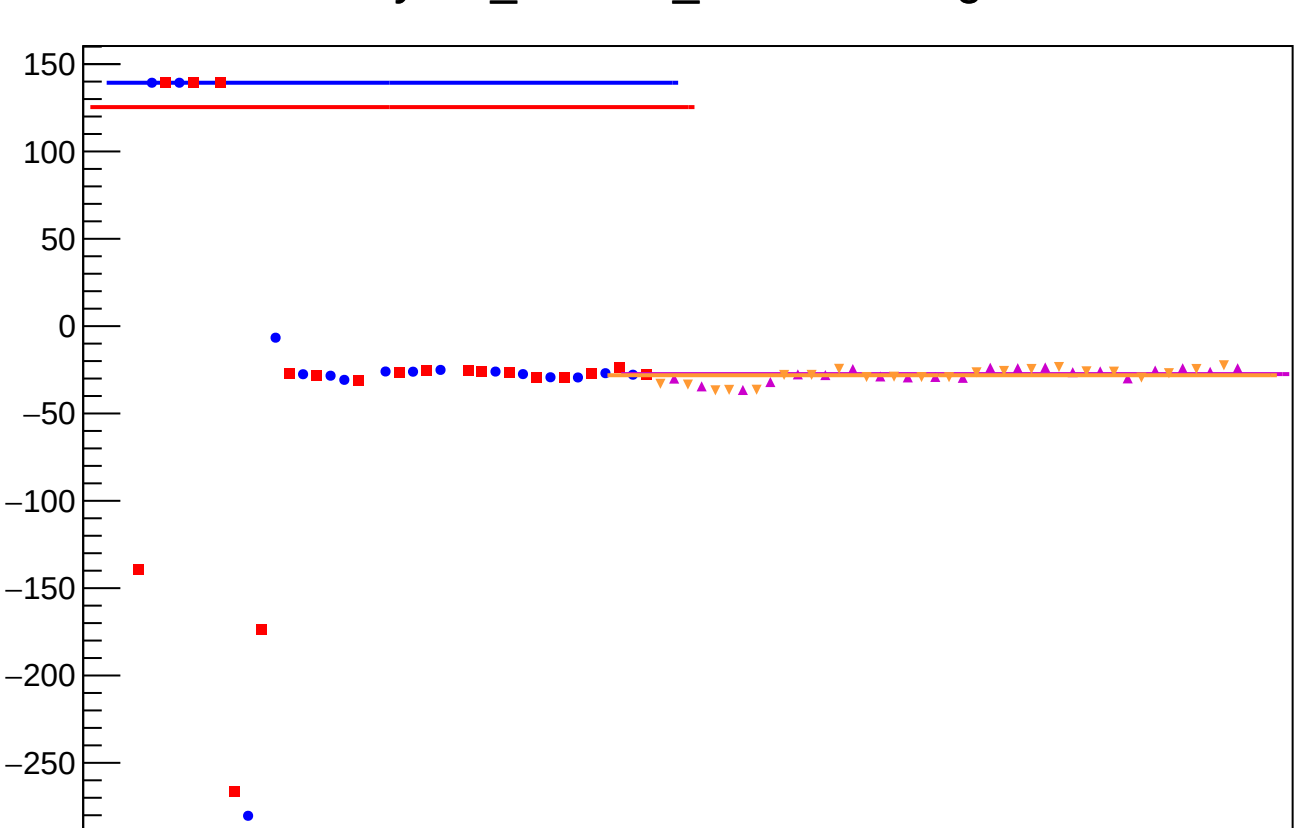
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 975.908+/-0.174 χ^2/NDF:2201946.3/20

+ sign 1025.864+/-0.151 χ^2/NDF: 2013050.7/37

All: 1002.033+/-0.104 χ^2/NDF: 4840788.6/77

- 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: -28.109+/-0.000 χ^2/NDF:174308923.2/21

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

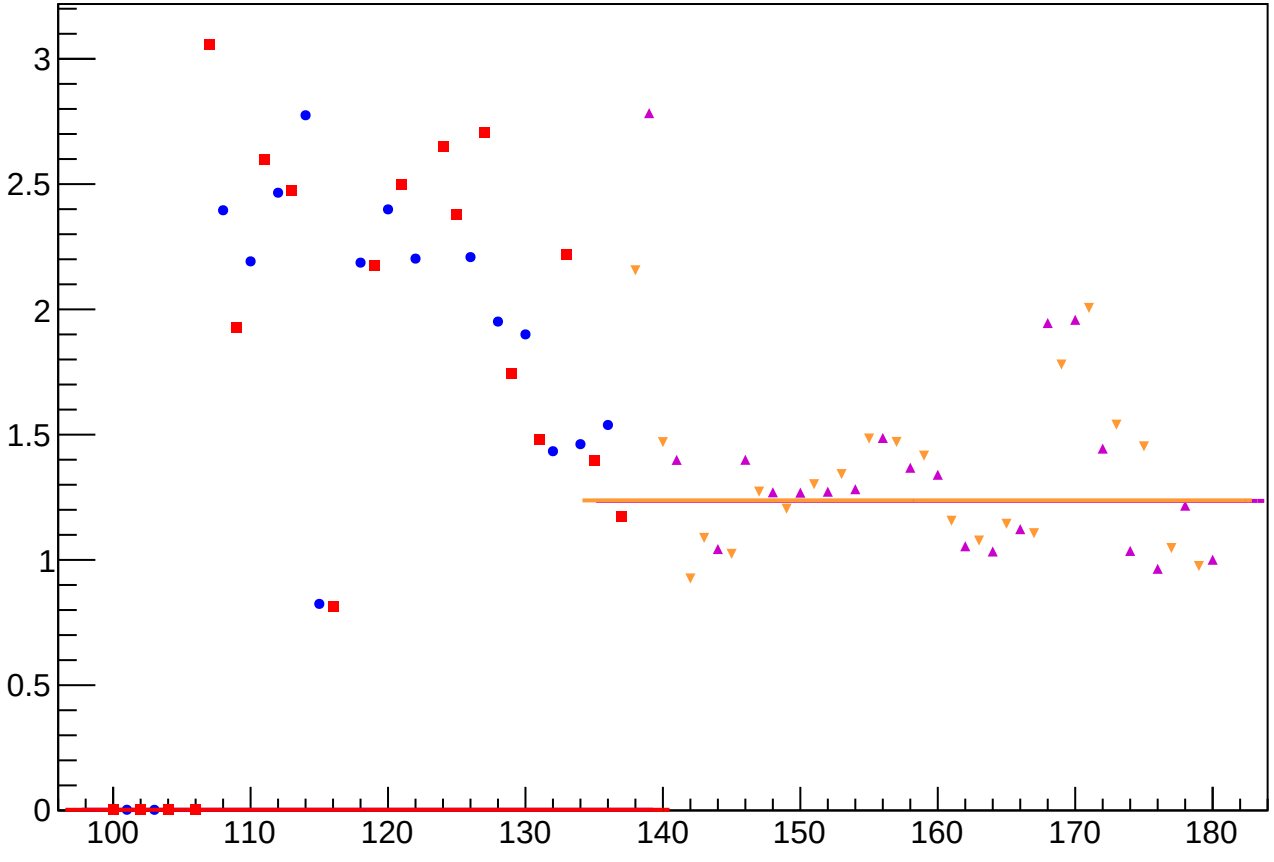
Left In: -27.456+/-0.000 χ^2/NDF:122985328.5/20

+ sign 139.328+/-0.000 χ^2/NDF: 297179414842.8/3

All: 131.811+/-0.000 χ^2/NDF: 79345676582(

- 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: 1.237+/-0.000 χ^2/NDF:1126150.2/21

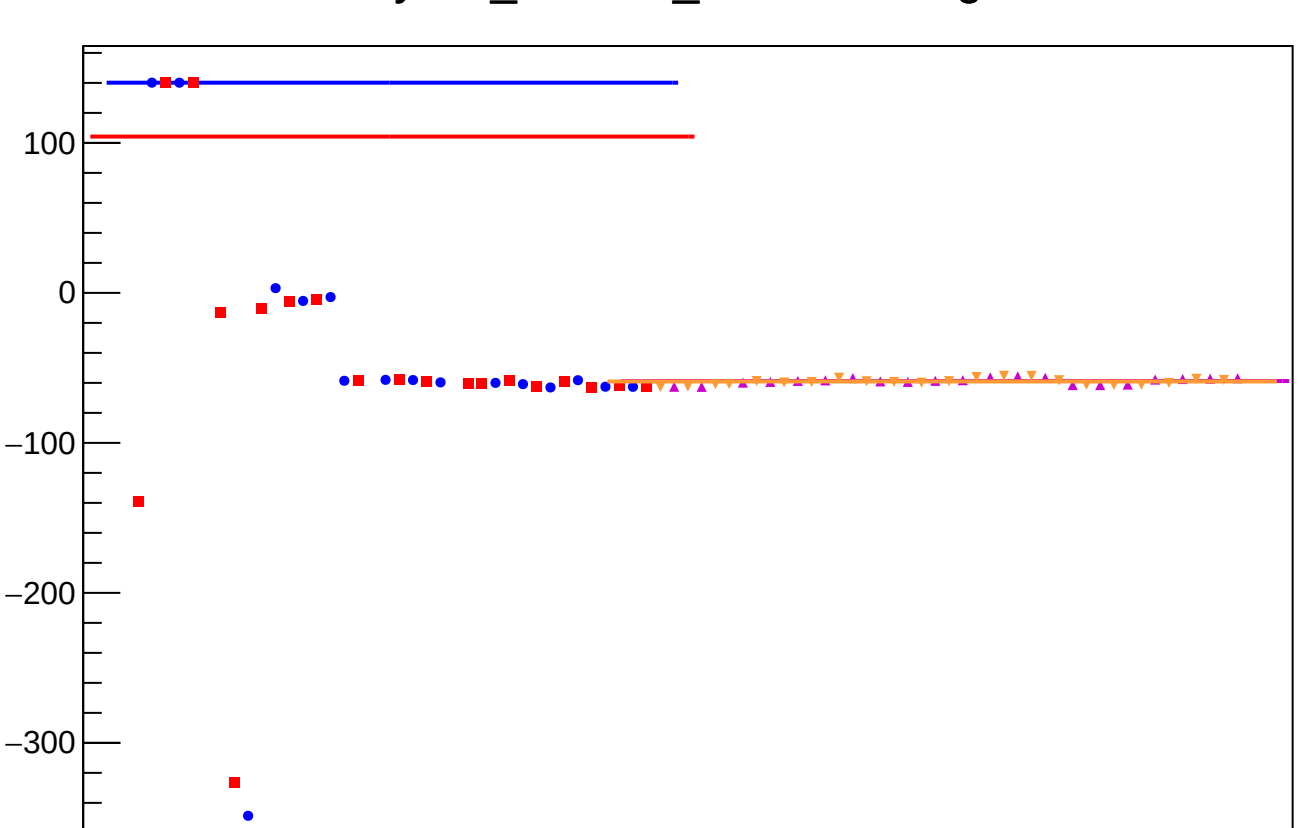
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.235+/-0.000 χ^2/NDF:1363006.3/20

+ sign 0.003+/-0.000 χ^2/NDF: 37873505.5/37

All: 0.003+/-0.000 χ^2/NDF: 75749167.9/77

- 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: -59.035+/-0.000 χ^2/NDF:160578862.0/21

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

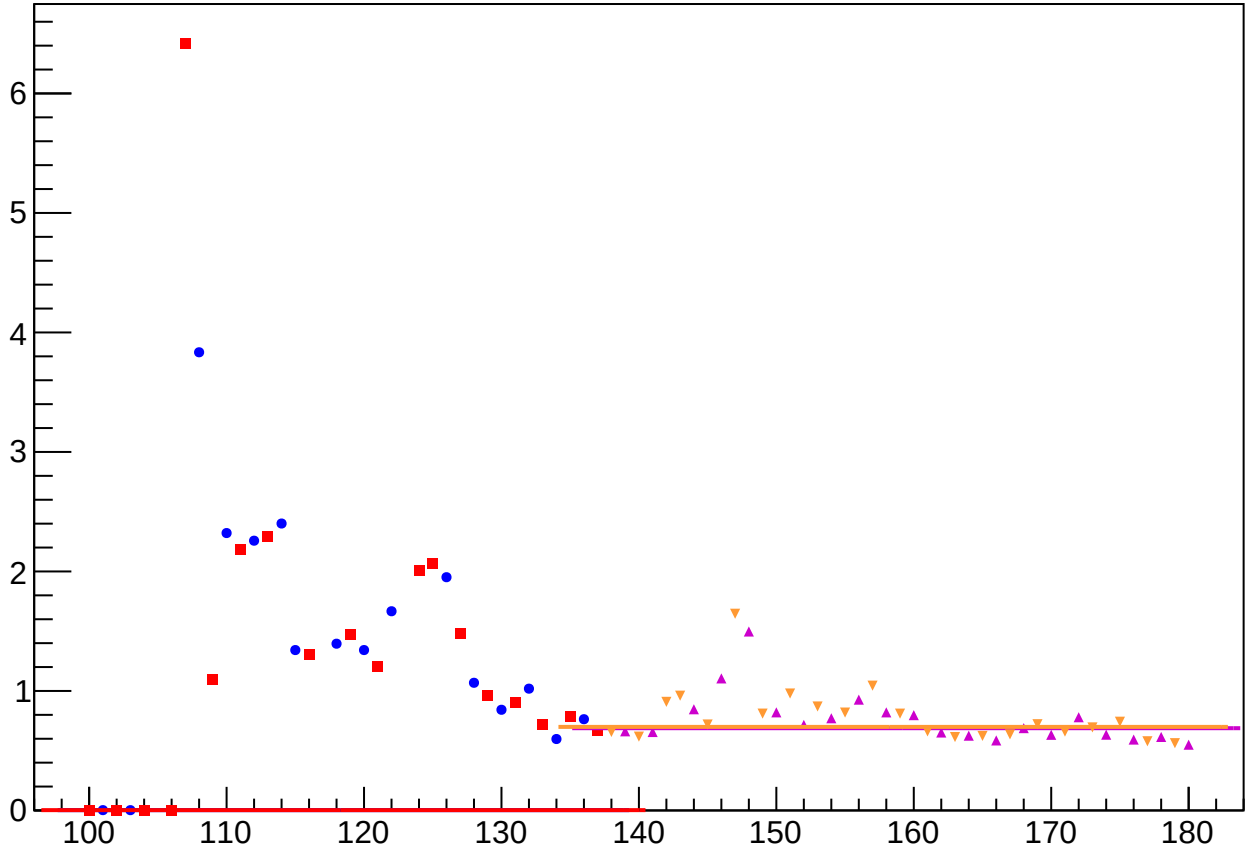
Left In: -58.769+/-0.000 χ^2/NDF:150508882.9/20

+ sign 140.111+/-0.000 χ^2/NDF: 1351888205404.6

All: 120.804+/-0.000 χ^2/NDF: 13828139168

- 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: 0.699+/-0.000 χ^2/NDF:1225669.9/21

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

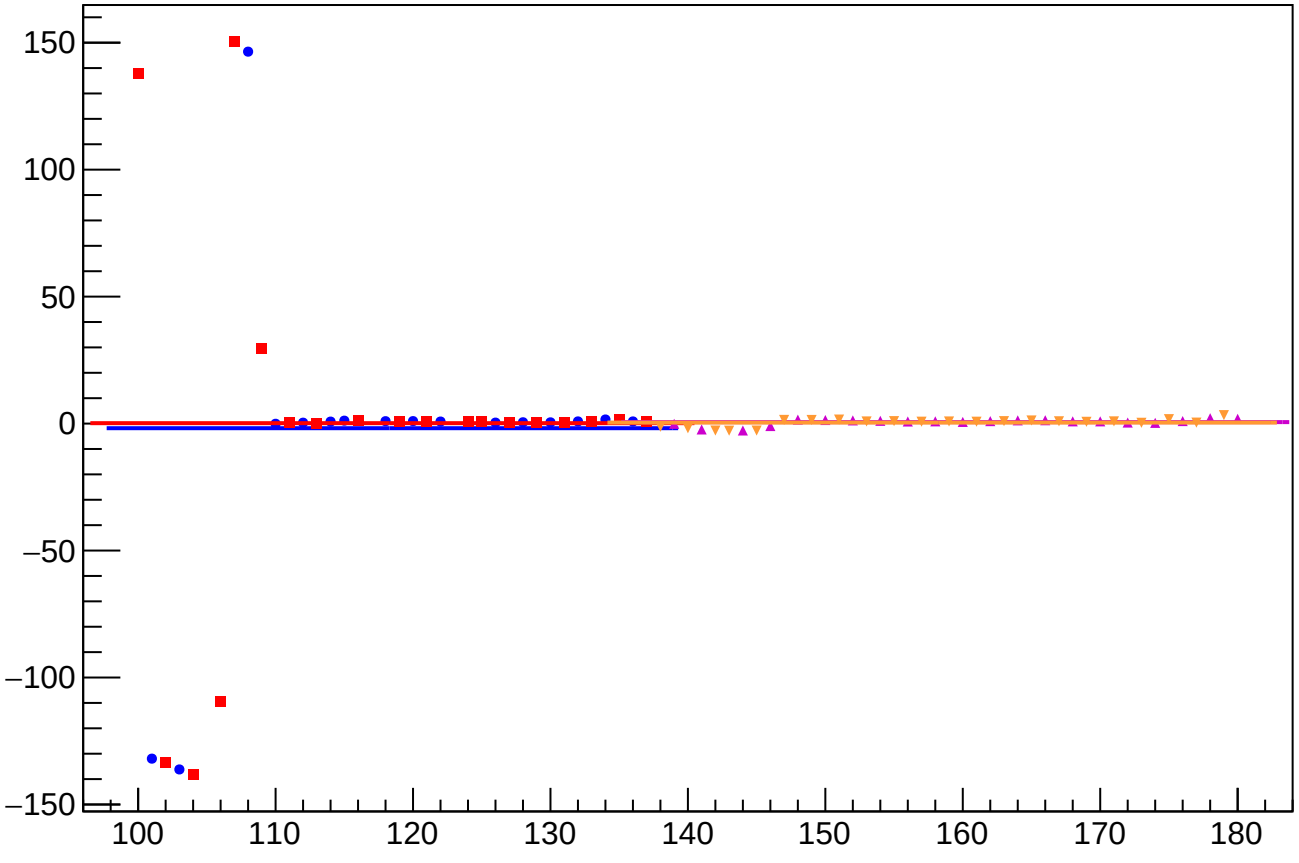
Left In: 0.688+/-0.000 χ^2/NDF:1085969.5/20

+ sign 0.003+/-0.000 χ^2/NDF: 40284402.5/37

All: 0.003+/-0.000 χ^2/NDF: 79870616.3/77

- sign 0.003+/-0.000 χ^2/NDF: 39585767.9/39

yield_cav4cX_mean vs Slug



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.402+/-0.000 χ^2/NDF:138017571.6/21

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

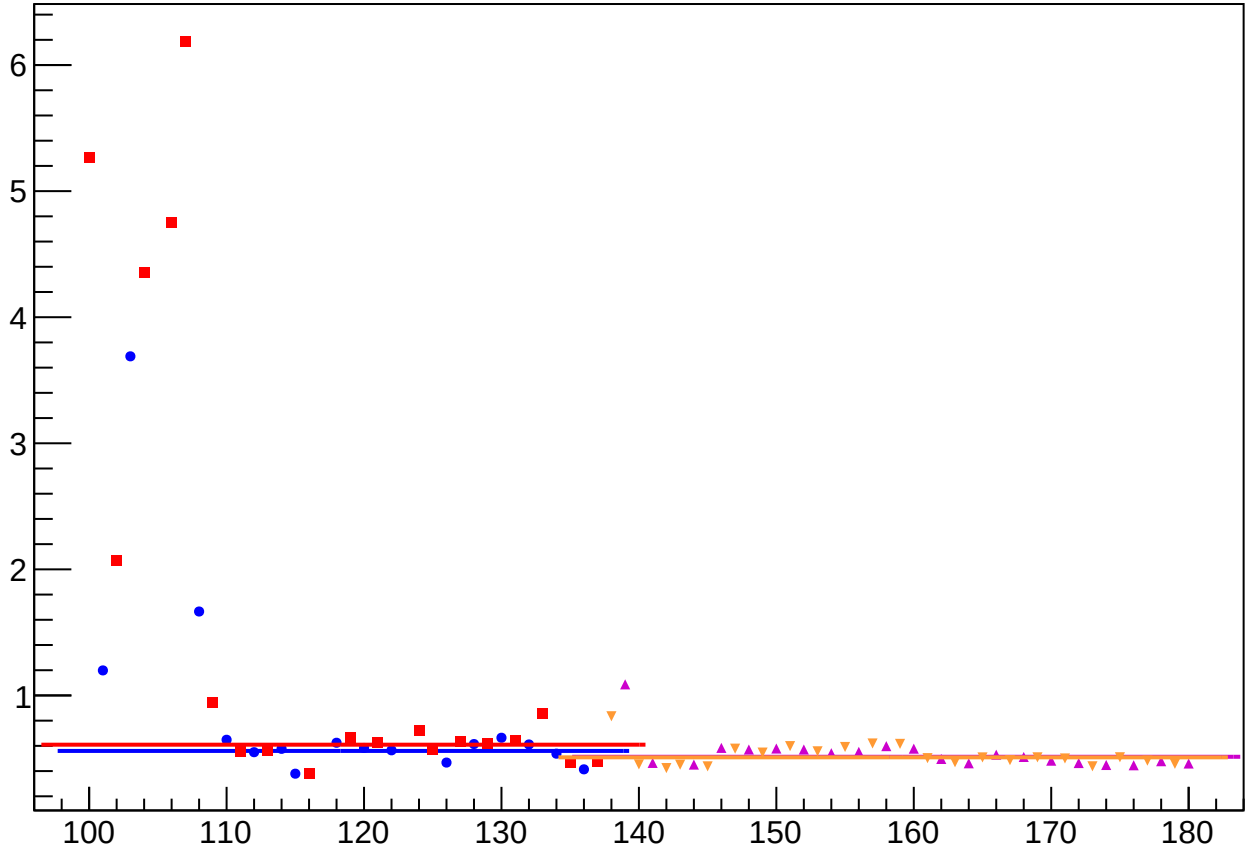
Left In: 0.583+/-0.000 χ^2/NDF:86291642.9/20

+ sign -0.108+/-0.000 χ^2/NDF: 10086424659.5/37

All: 0.185+/-0.000 χ^2/NDF: 13798285954.5/7

- 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: 0.509+/-0.000 χ^2/NDF:543260.5/21

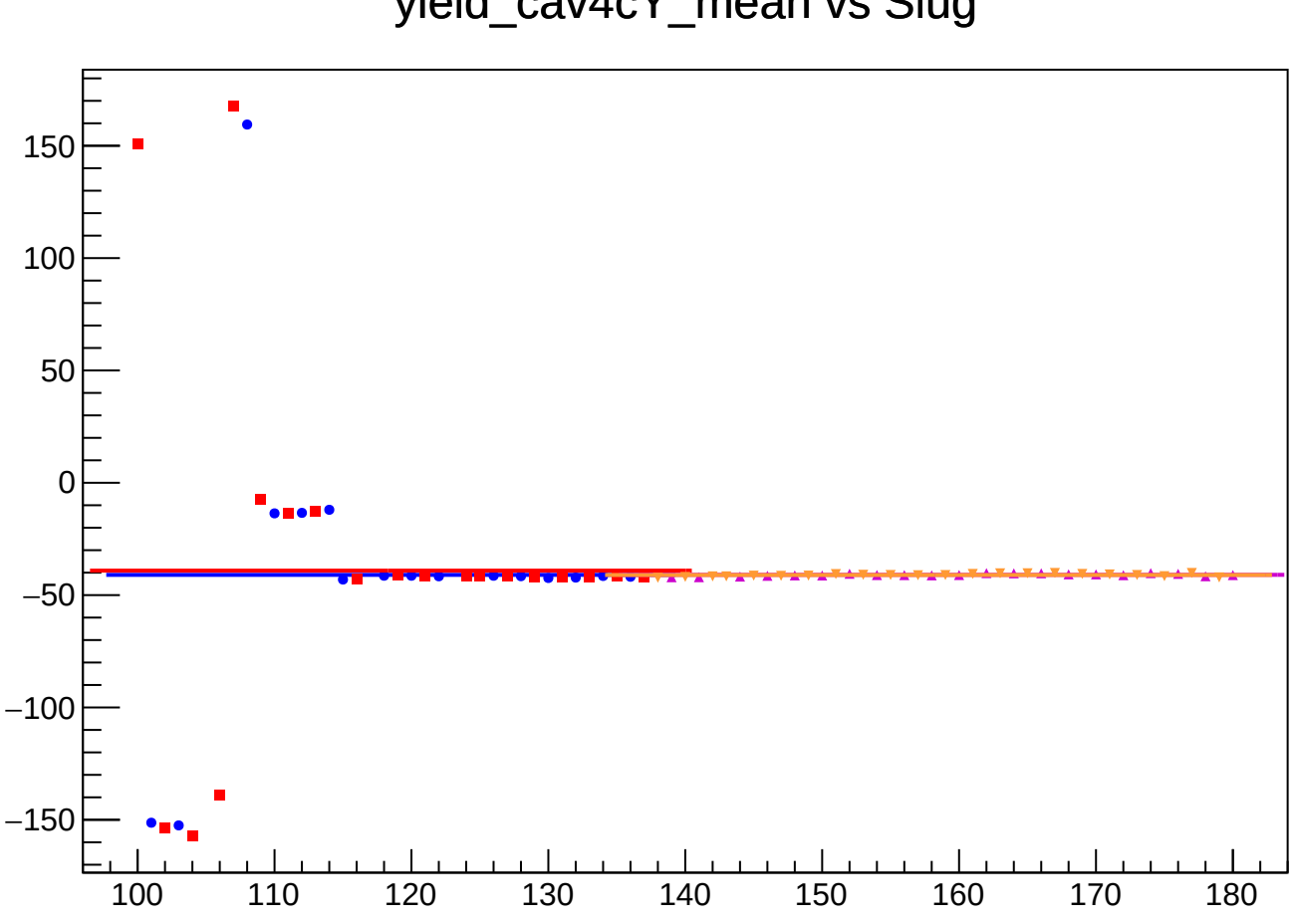
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.513+/-0.000 χ^2/NDF:750588.9/20

+ sign 0.521+/-0.000 χ^2/NDF: 2205949.3/37

All: 0.527+/-0.000 χ^2/NDF: 5638982.3/77

- 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: -41.041+/-0.000 χ^2/NDF:53893993.0/21

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

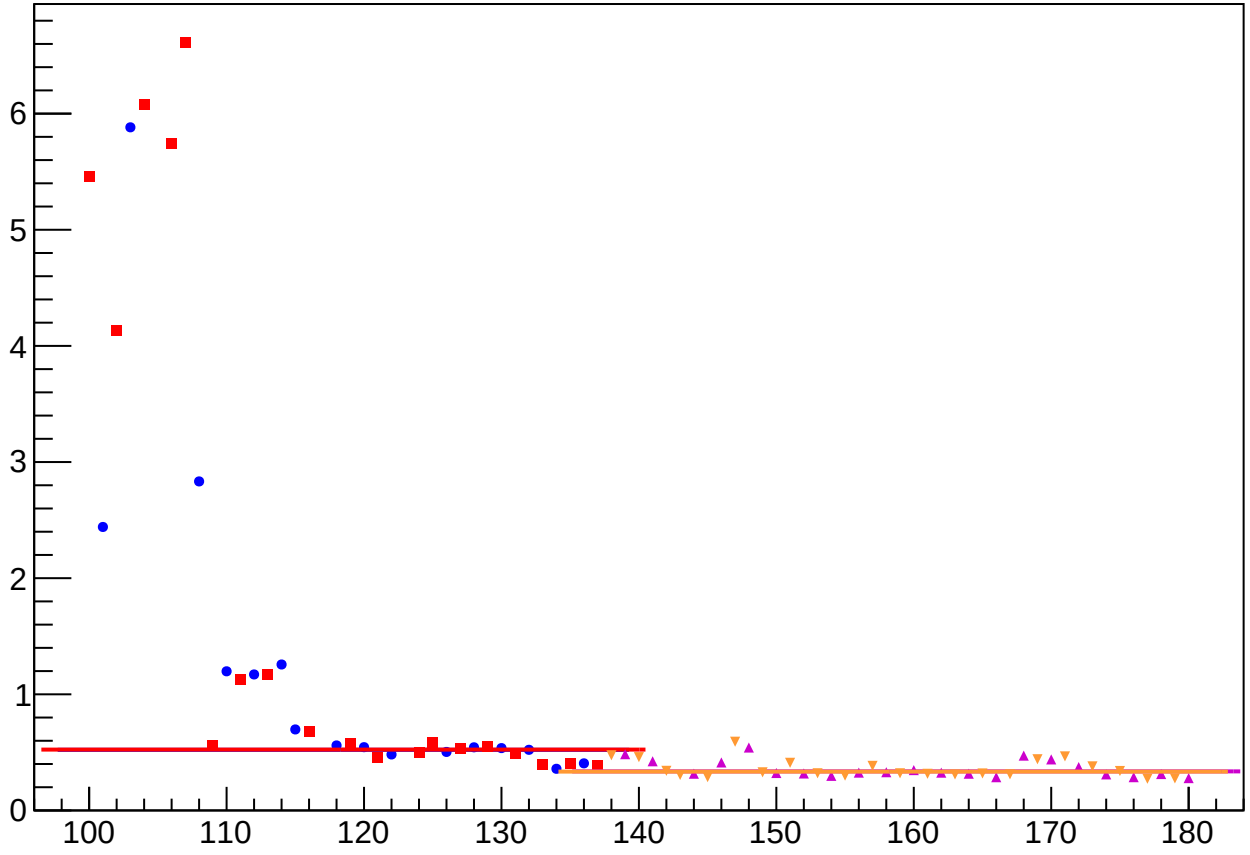
Left In: -40.973+/-0.000 χ^2/NDF:37389704.0/20

+ sign -41.035+/-0.000 χ^2/NDF: 3503563449.8/37

All: -40.900+/-0.000 χ^2/NDF: 6082732951.6/

- 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: 0.335+/-0.000 χ^2/NDF:1100981.3/21

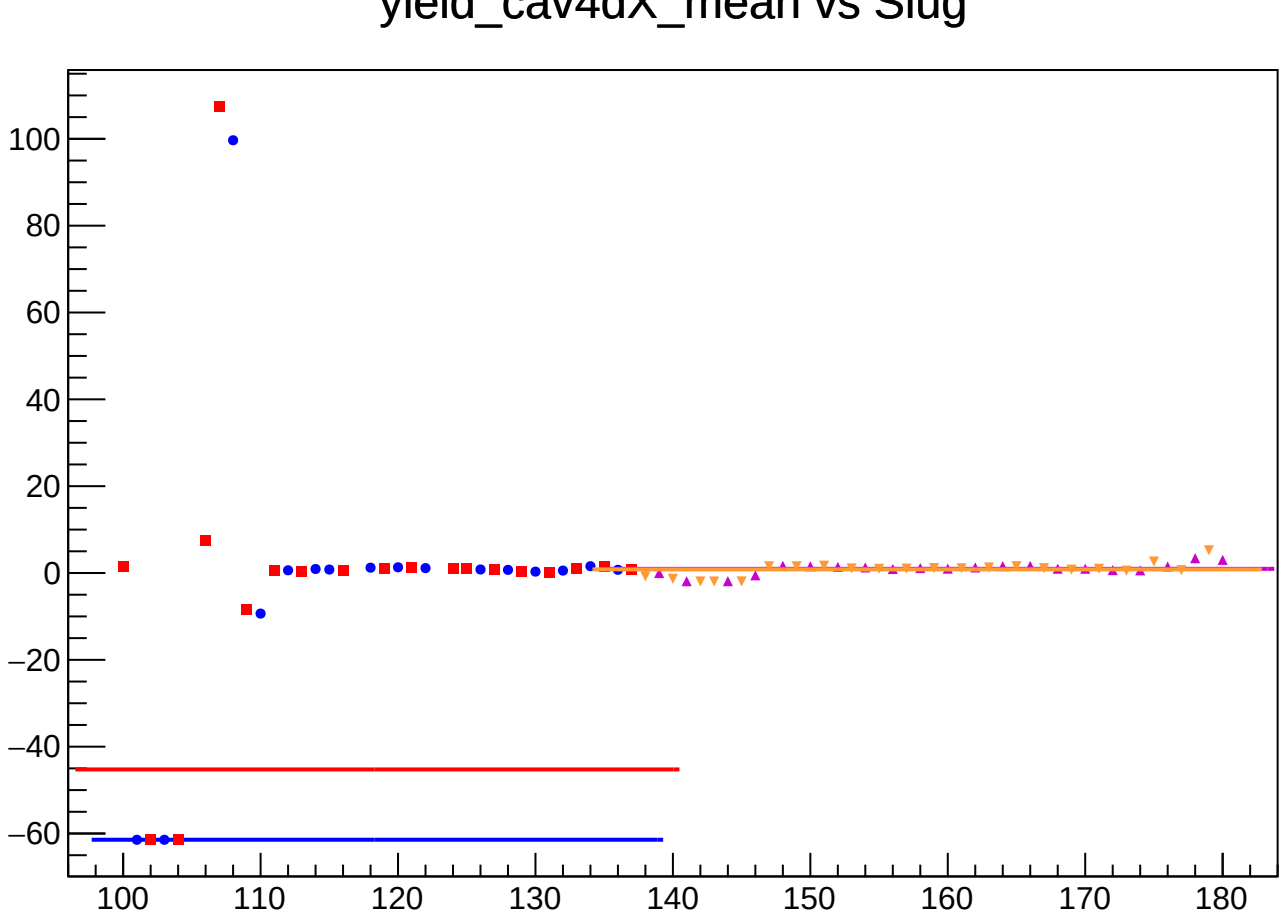
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.336+/-0.000 χ^2/NDF:940869.8/20

+ sign 0.356+/-0.000 χ^2/NDF: 5199396.9/37

All: 0.357+/-0.000 χ^2/NDF: 10522547.5/77

- 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: 0.826+/-0.000 χ^2/NDF:209362196.5/21

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

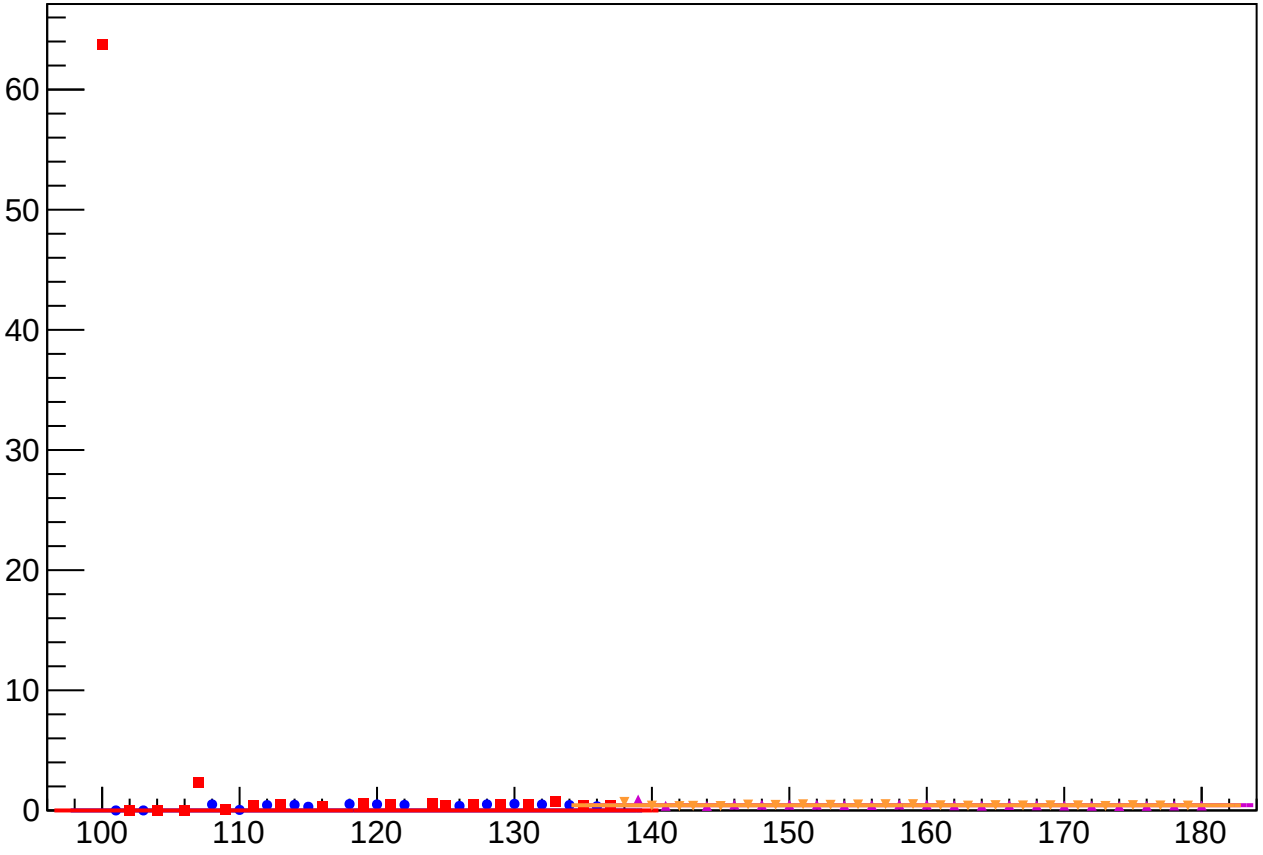
Left In: 0.961+/-0.000 χ^2/NDF:128275125.8/20

+ sign -61.423+/-0.000 χ^2/NDF: 565901567901.7/3

All: -52.739+/-0.000 χ^2/NDF: 409547251686

- 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: 0.432+/-0.000 χ^2/NDF:520789.8/21

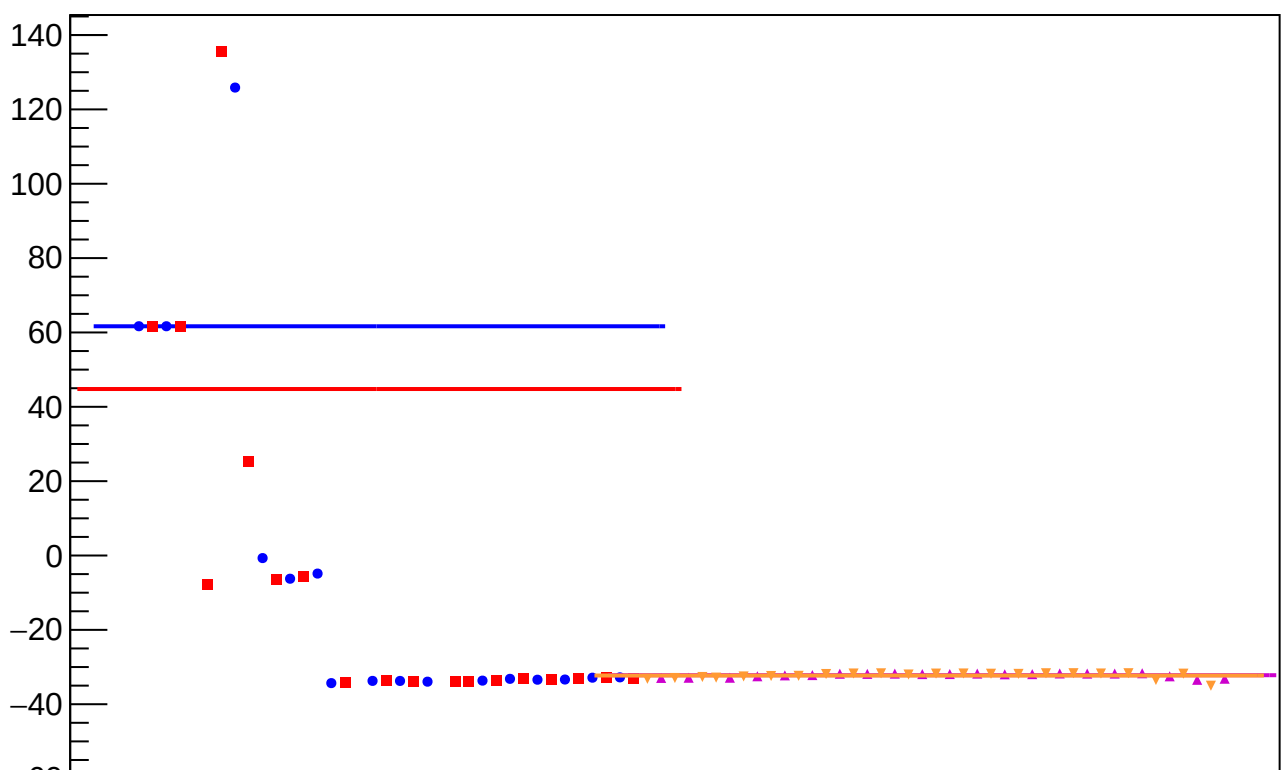
Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.439+/-0.000 χ^2/NDF:694038.4/20

+ sign 0.002+/-0.000 χ^2/NDF: 37644798.0/37

All: 0.002+/-0.000 χ^2/NDF: 75317924.9/77

- sign 0.002+/-0.000 χ^2/NDF: 37673019.5/39



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.277+/-0.000 χ^2/NDF:141517341.0/21

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

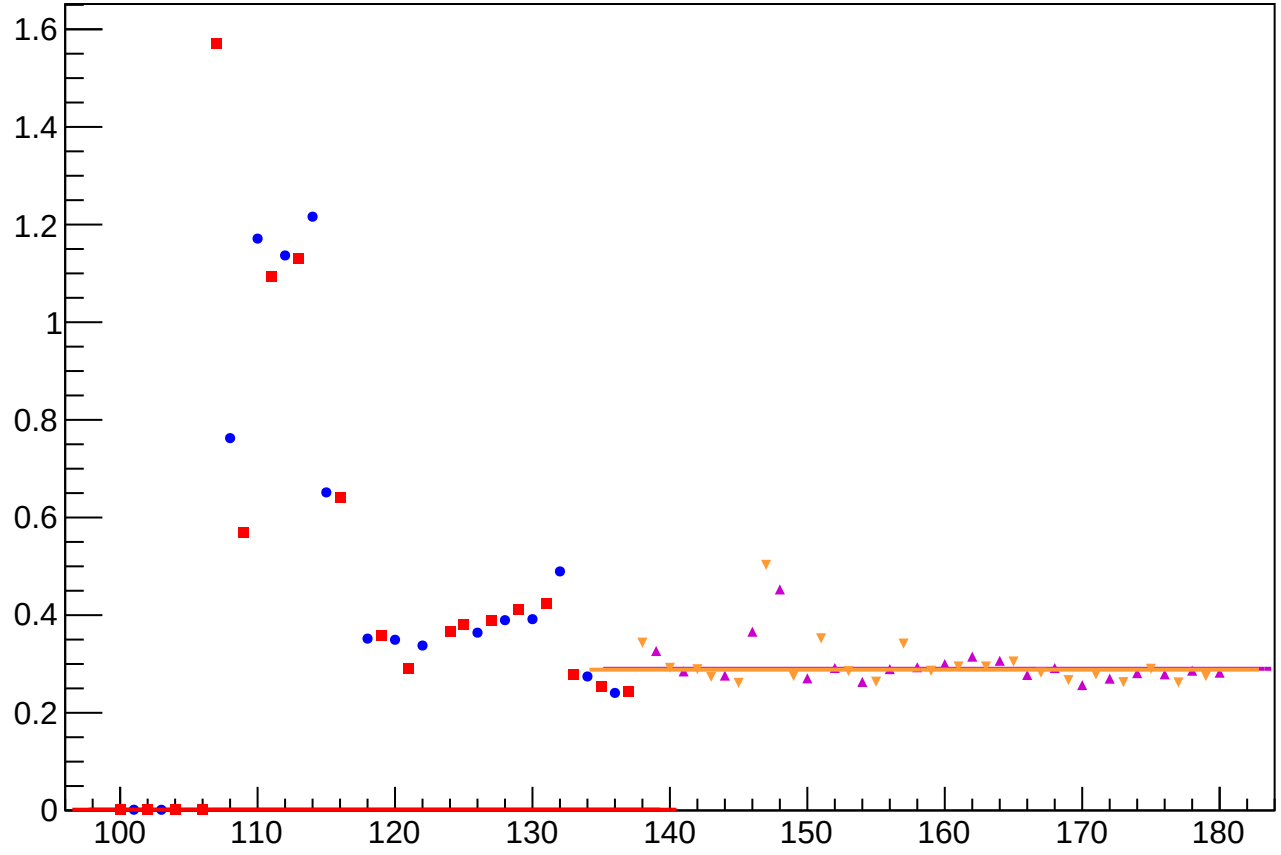
Left In: -32.196+/-0.000 χ^2/NDF:58004783.6/20

+ sign 61.606+/-0.000 χ^2/NDF: 2131305444608.7/3

All: 52.642+/-0.000 χ^2/NDF: 420414664927

- 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:510650.9/21

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

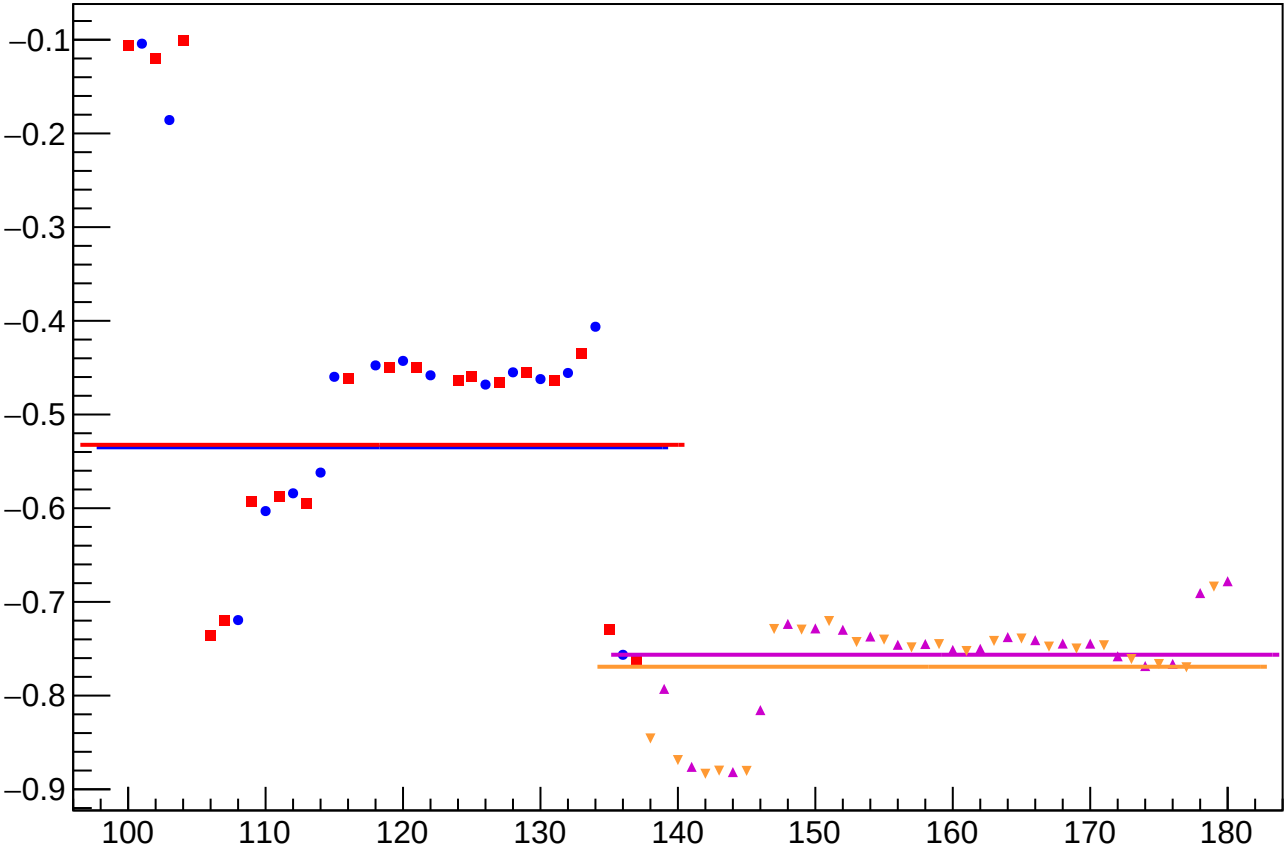
Left In: 0.290+/-0.000 χ^2/NDF:385417.3/20

+ sign 0.002+/-0.000 χ^2/NDF: 44393203.6/37

All: 0.002+/-0.000 χ^2/NDF: 87831208.5/77

- 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: -0.769+/-0.000 χ^2/NDF:131964170.2/21

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

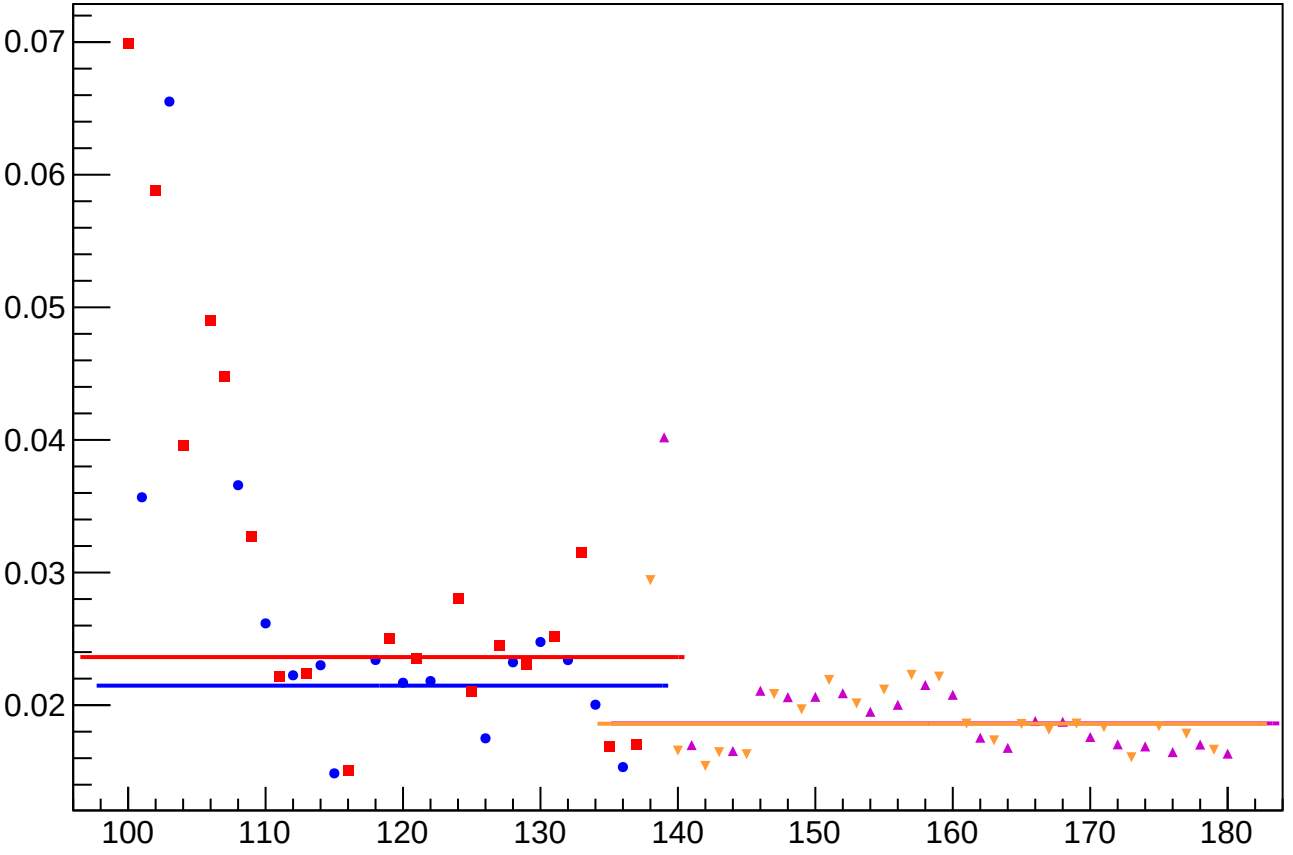
Left In: -0.756+/-0.000 χ^2/NDF:109015757.7/20

+ sign -0.717+/-0.000 χ^2/NDF: 928355254.2/37

All: -0.714+/-0.000 χ^2/NDF: 1653124623.4/7

- 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: 0.019+/-0.000 χ^2/NDF:476657.5/21

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

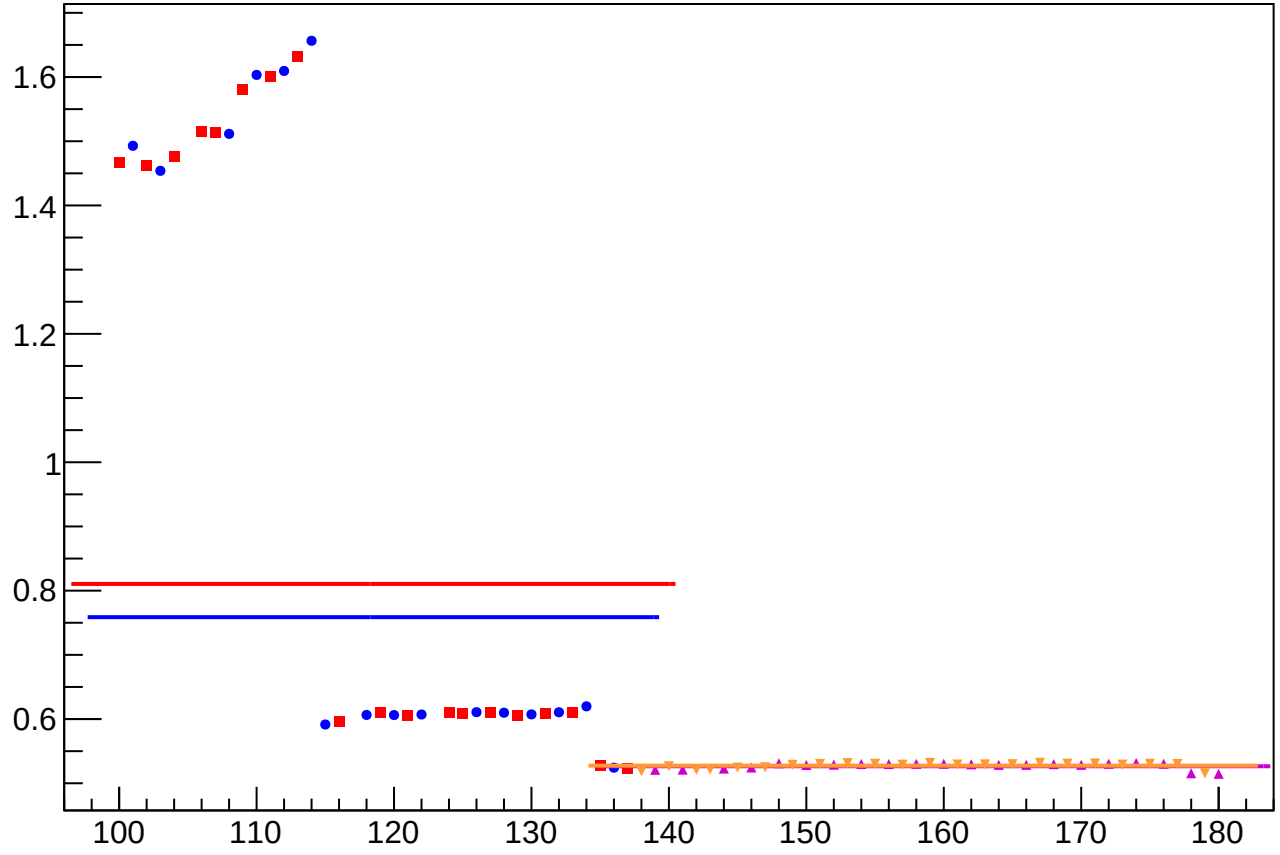
Left In: 0.019+/-0.000 χ^2/NDF:738099.9/20

+ sign 0.019+/-0.000 χ^2/NDF: 1779375.2/37

All: 0.019+/-0.000 χ^2/NDF: 4201771.8/77

- 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:2538891.7/21

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

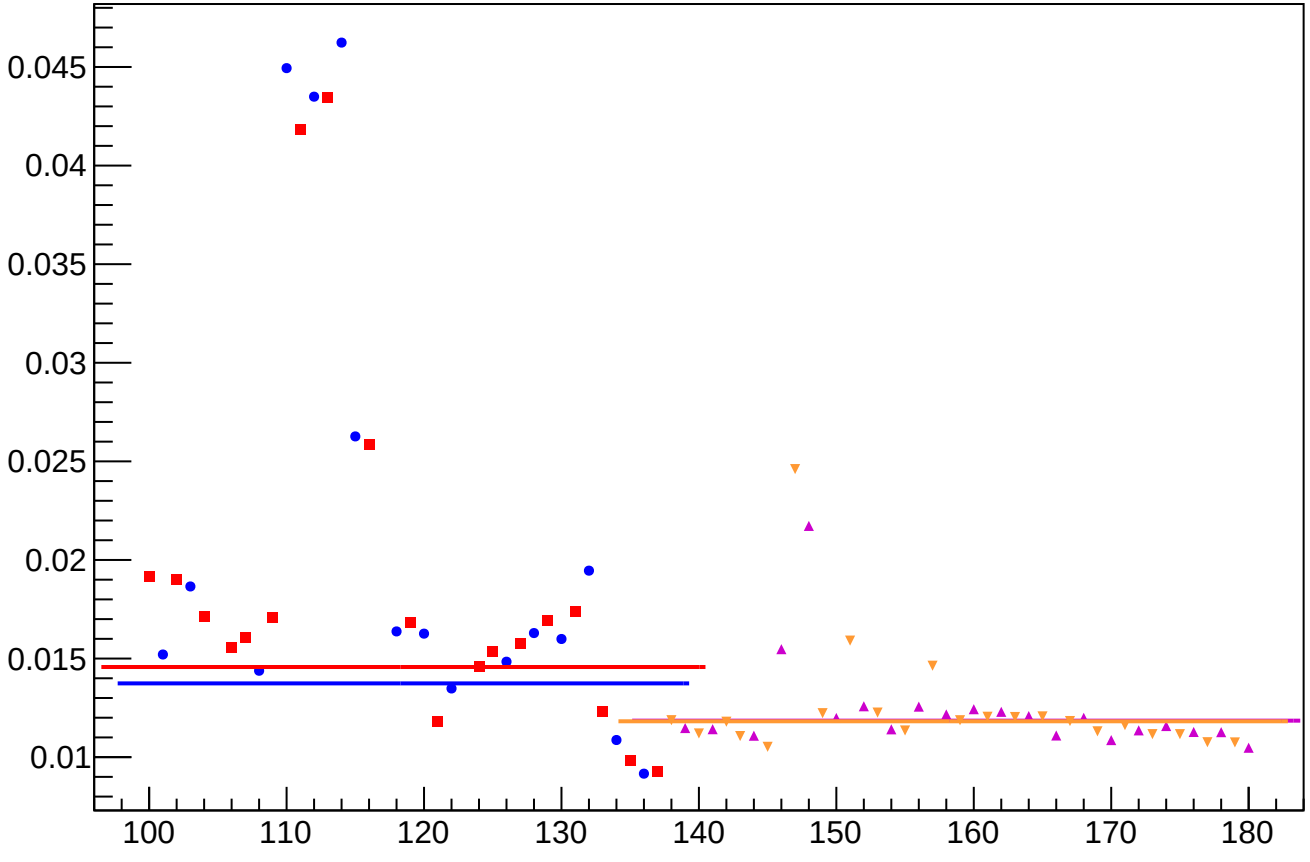
Left In: 0.526+/-0.000 χ^2/NDF:3278633.3/20

+ sign 0.576+/-0.000 χ^2/NDF: 5640244506.9/37

All: 0.579+/-0.000 χ^2/NDF: 12312346389.9/7

- 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:680177.8/21

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

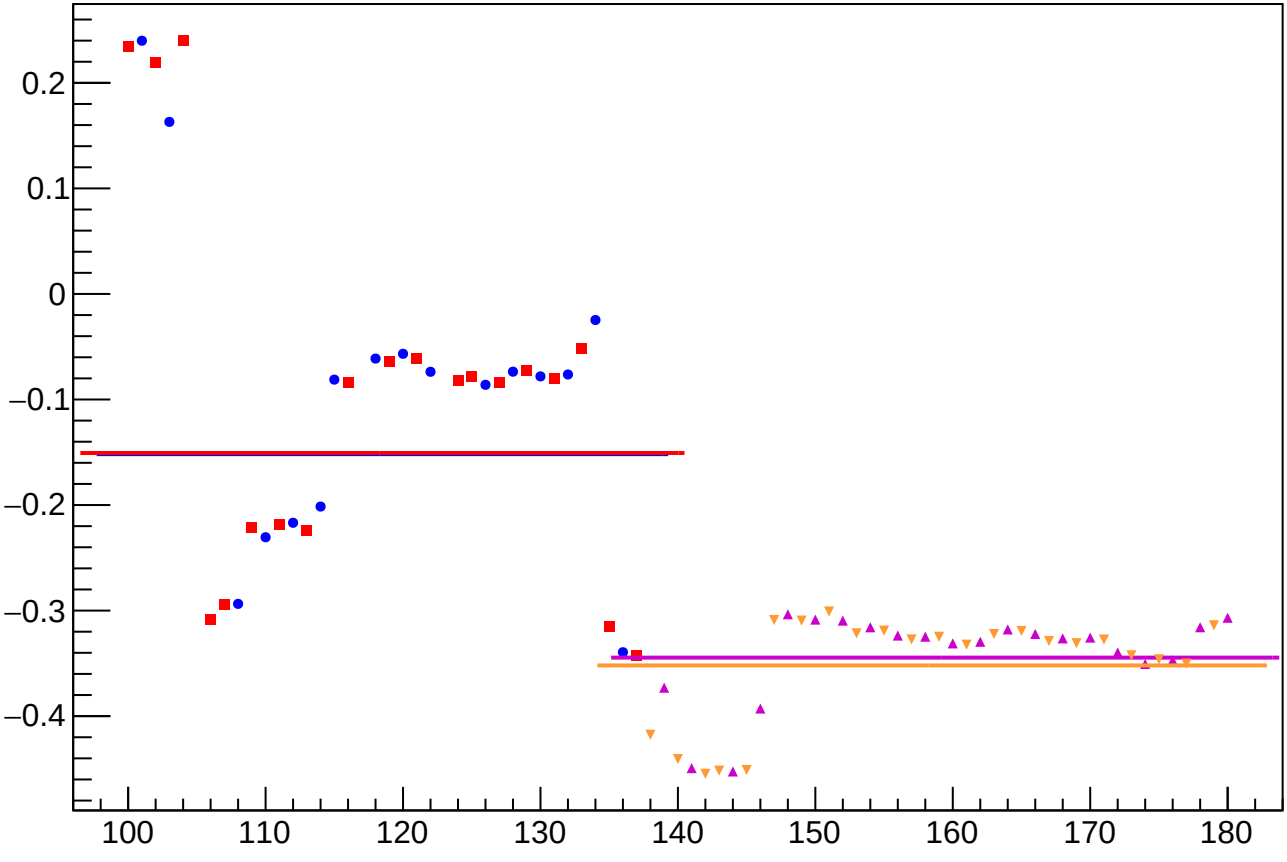
Left In: 0.012+/-0.000 χ^2/NDF:507256.9/20

+ sign 0.012+/-0.000 χ^2/NDF: 2514162.0/37

All: 0.012+/-0.000 χ^2/NDF: 4828989.1/77

- 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: -0.352+/-0.000 χ^2/NDF:111093989.0/21

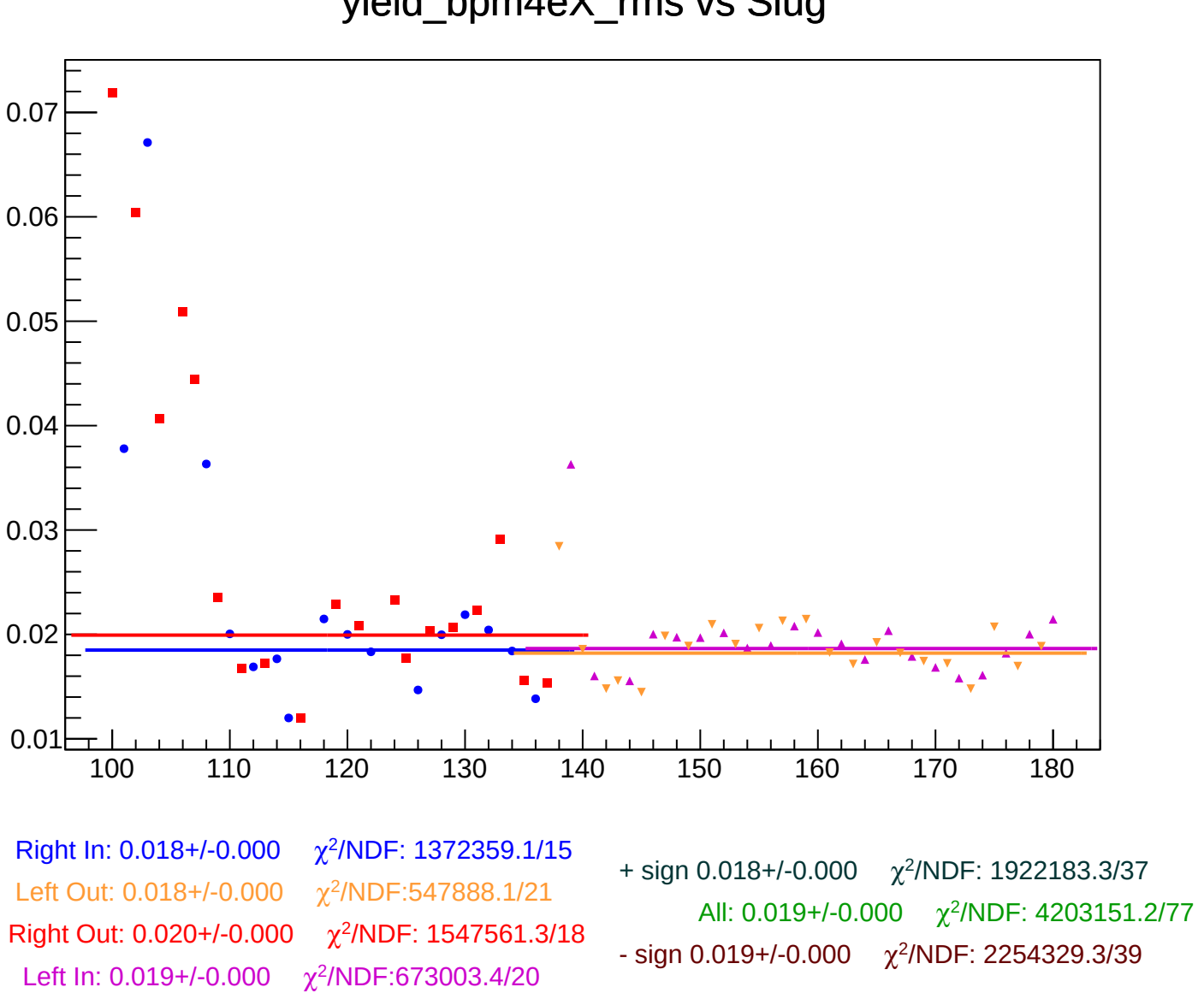
Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.345+/-0.000 χ^2/NDF:82549424.3/20

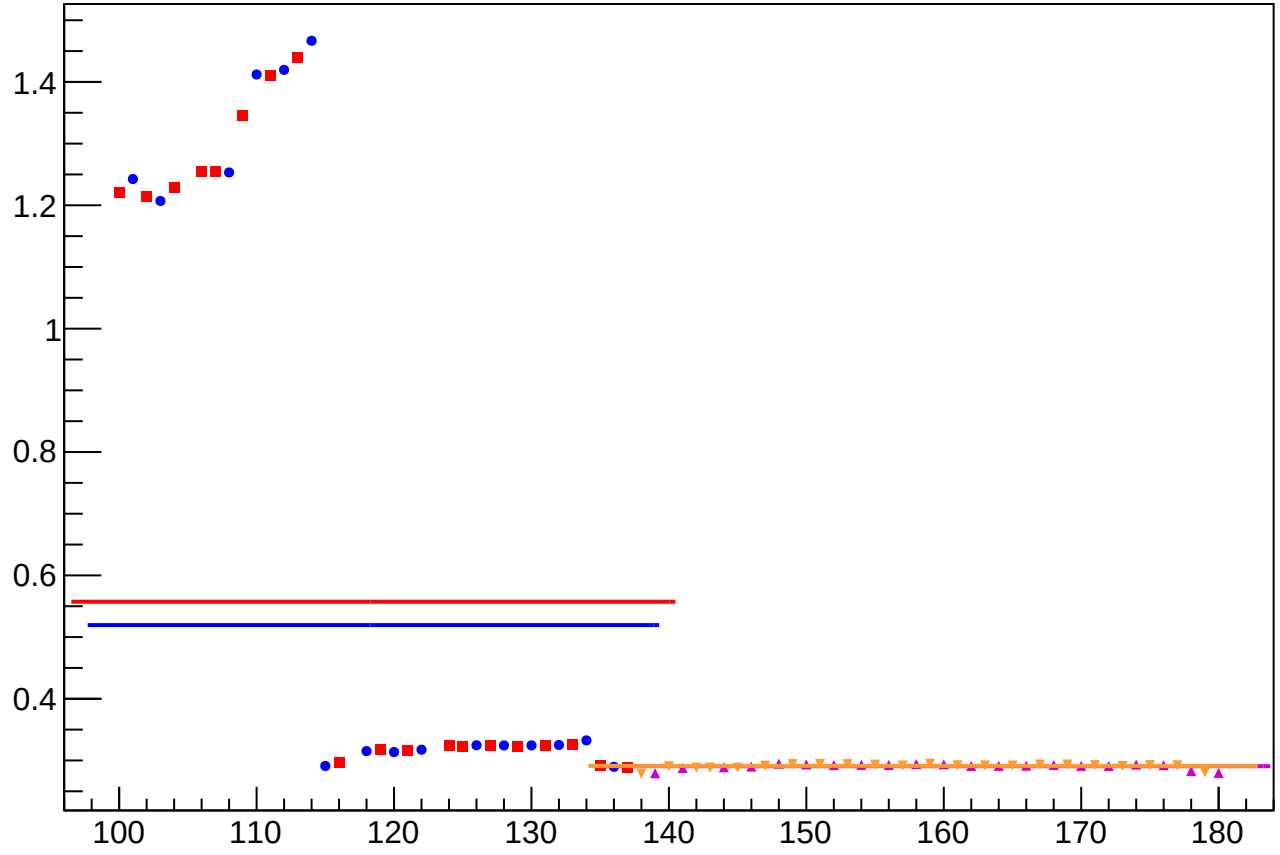
+ sign -0.299+/-0.000 χ^2/NDF: 841966755.9/37

All: -0.297+/-0.000 χ^2/NDF: 1509063452.1/7

- sign -0.296+/-0.000 χ^2/NDF: 666750327.2/39


yield_bpm4eX_rms vs Slug
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.018+/-0.000 χ²/NDF: 1372359.1/15
Left Out: 0.018+/-0.000 χ²/NDF:547888.1/21
Right Out: 0.020+/-0.000 χ²/NDF: 1547561.3/18
Left In: 0.019+/-0.000 χ²/NDF:673003.4/20
+ sign 0.018+/-0.000 χ²/NDF: 1922183.3/37
All: 0.019+/-0.000 χ²/NDF: 4203151.2/77
- sign 0.019+/-0.000 χ²/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:1848056.8/21

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

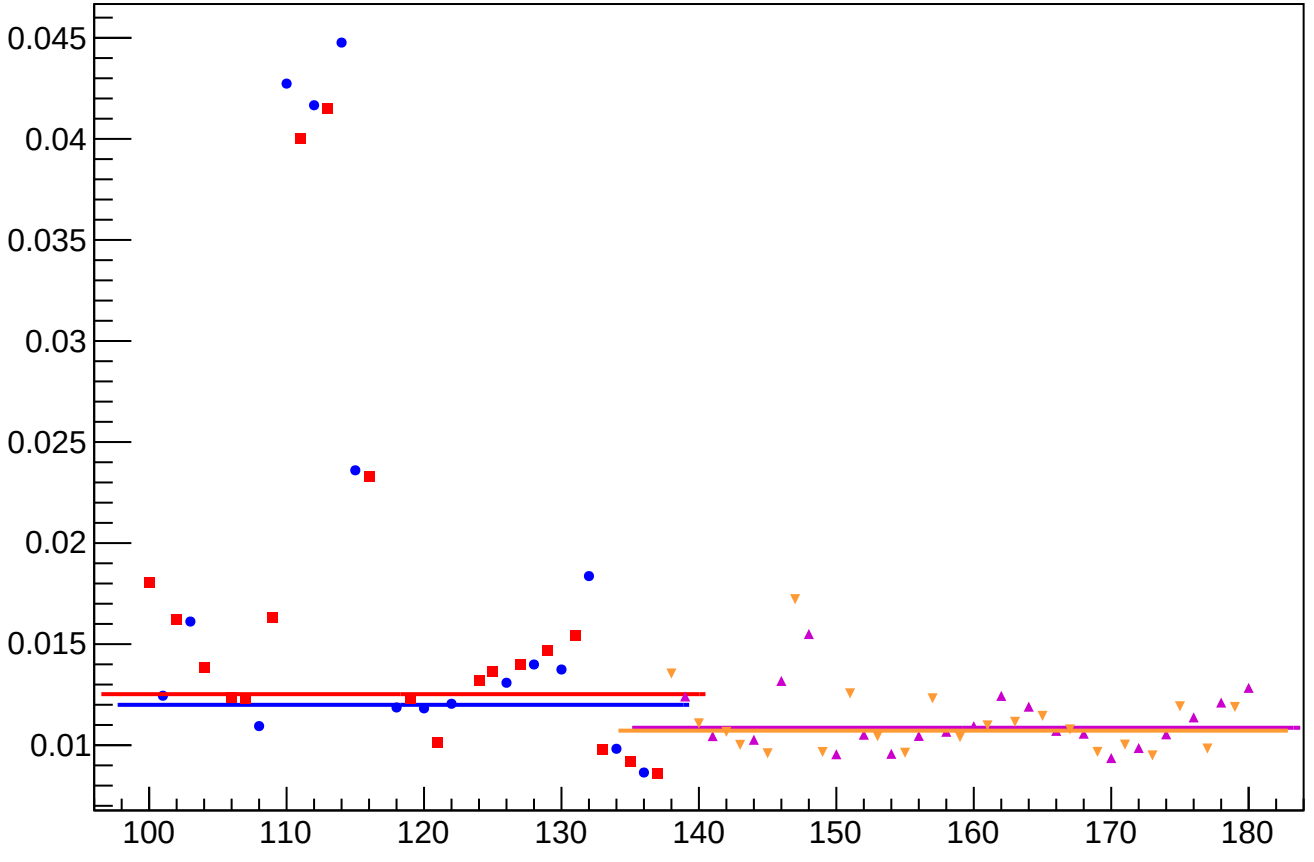
Left In: 0.291+/-0.000 χ^2/NDF:2256045.7/20

+ sign 0.342+/-0.000 χ^2/NDF: 7996716245.0/37

All: 0.346+/-0.000 χ^2/NDF: 16915138718.1/7

- 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:531237.4/21

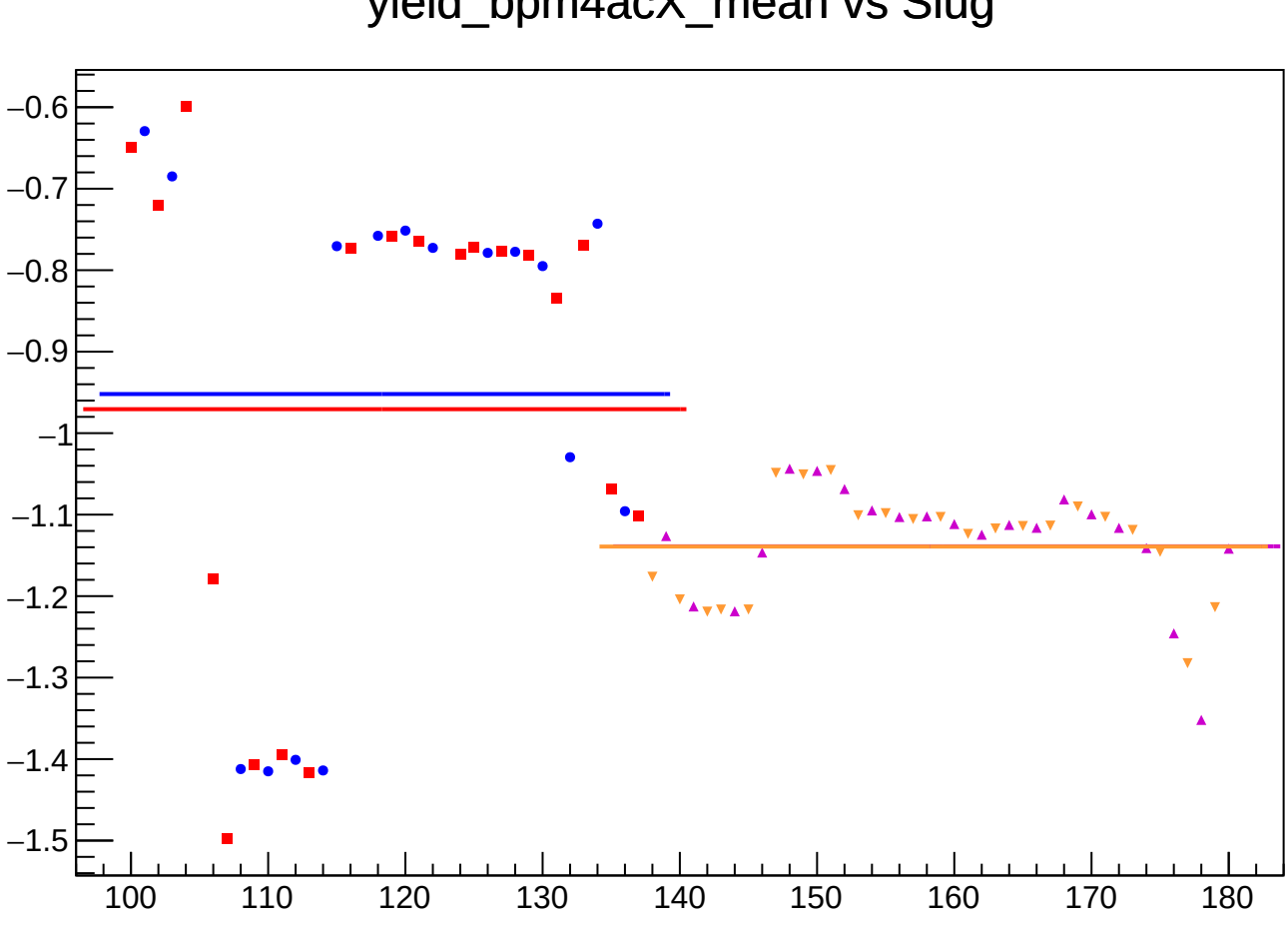
Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:451251.7/20

+ sign 0.011+/-0.000 χ^2/NDF: 2127861.8/37

All: 0.011+/-0.000 χ^2/NDF: 4190849.6/77

- sign 0.011+/-0.000 χ^2/NDF: 2053980.1/39



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.139+/-0.000 χ^2/NDF:167201407.3/21

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

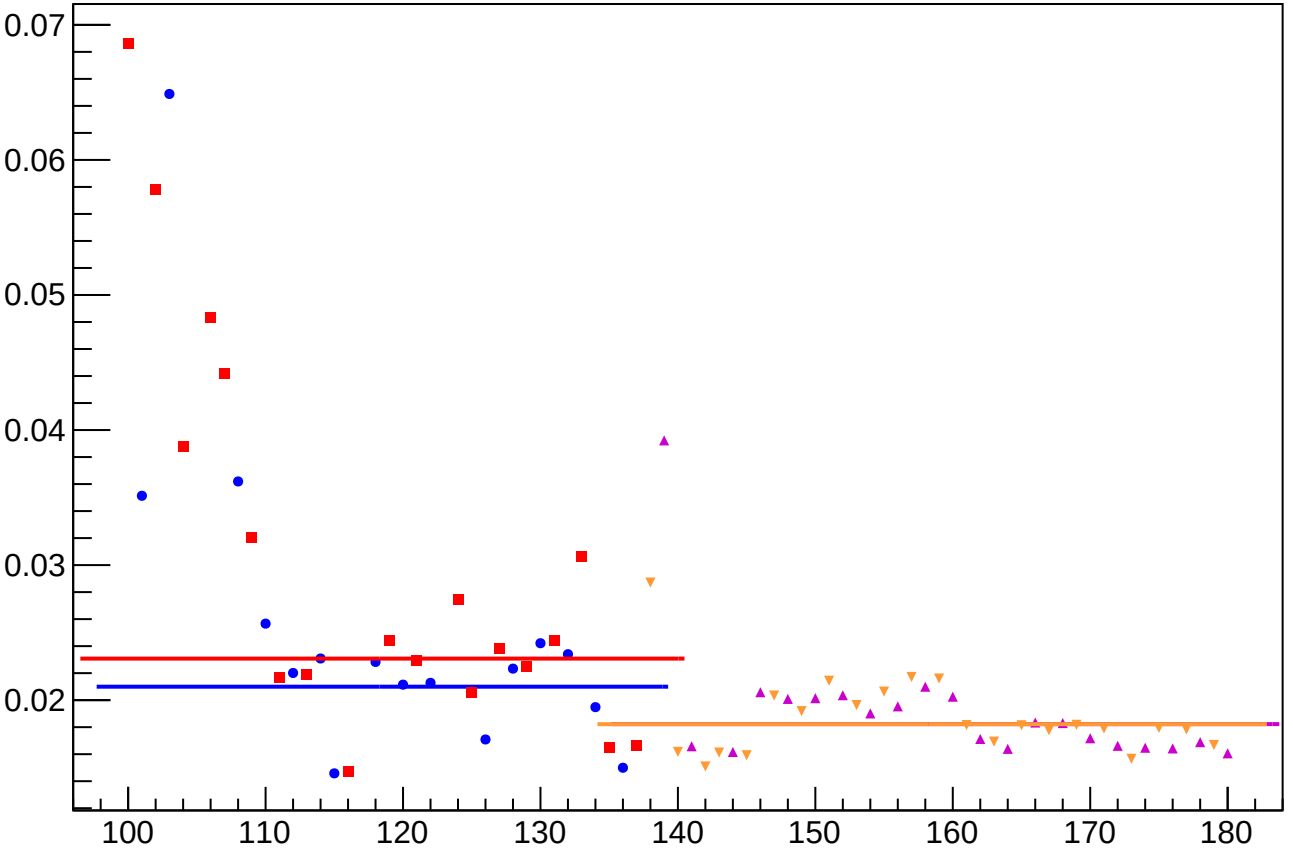
Left In: -1.139+/-0.000 χ^2/NDF:220502673.9/20

+ sign -1.097+/-0.000 χ^2/NDF: 1196986798.2/37

All: -1.101+/-0.000 χ^2/NDF: 2369796247.2/7

- 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:462894.0/21

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

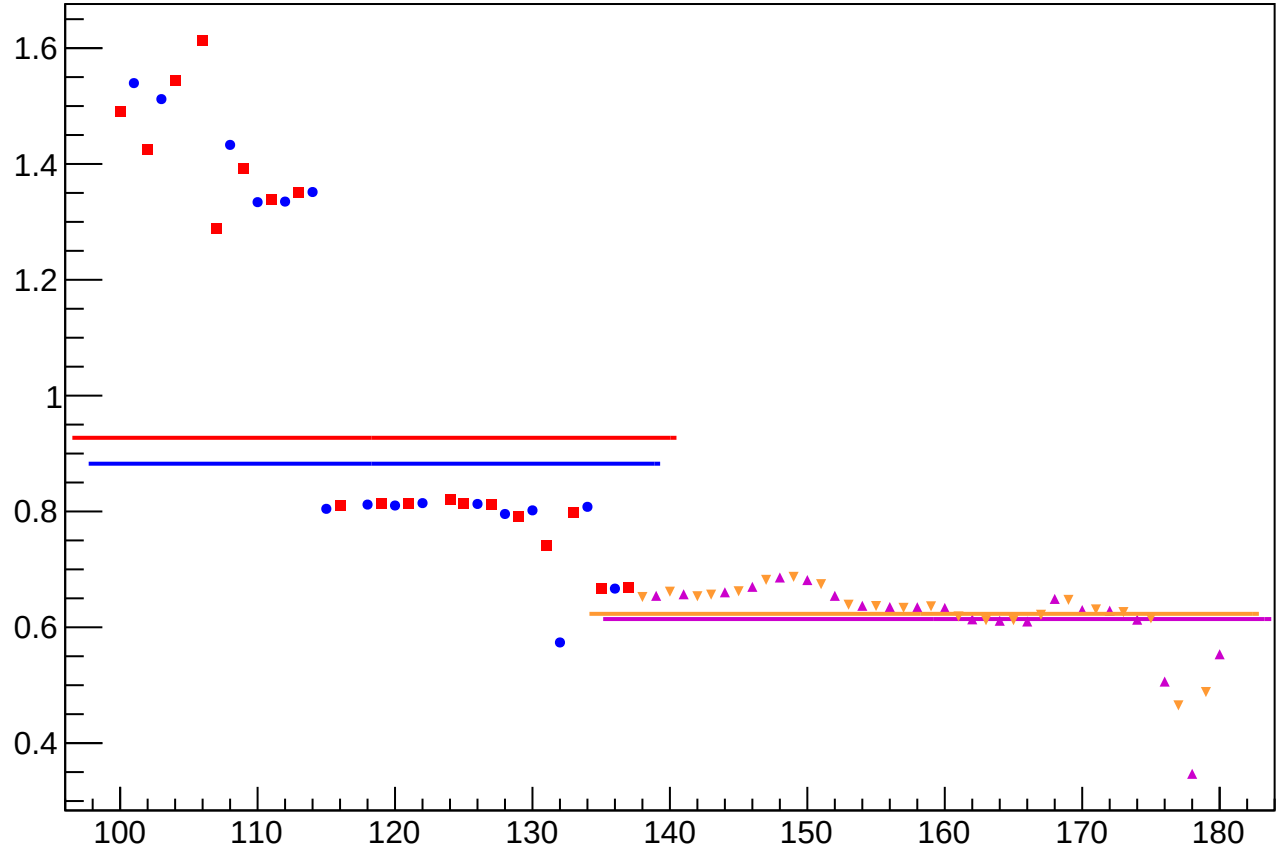
Left In: 0.018+/-0.000 χ^2/NDF:723056.9/20

+ sign 0.019+/-0.000 χ^2/NDF: 1775242.6/37

All: 0.019+/-0.000 χ^2/NDF: 4178955.2/77

- 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: 0.623+/-0.000 χ^2/NDF:352151273.7/21

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

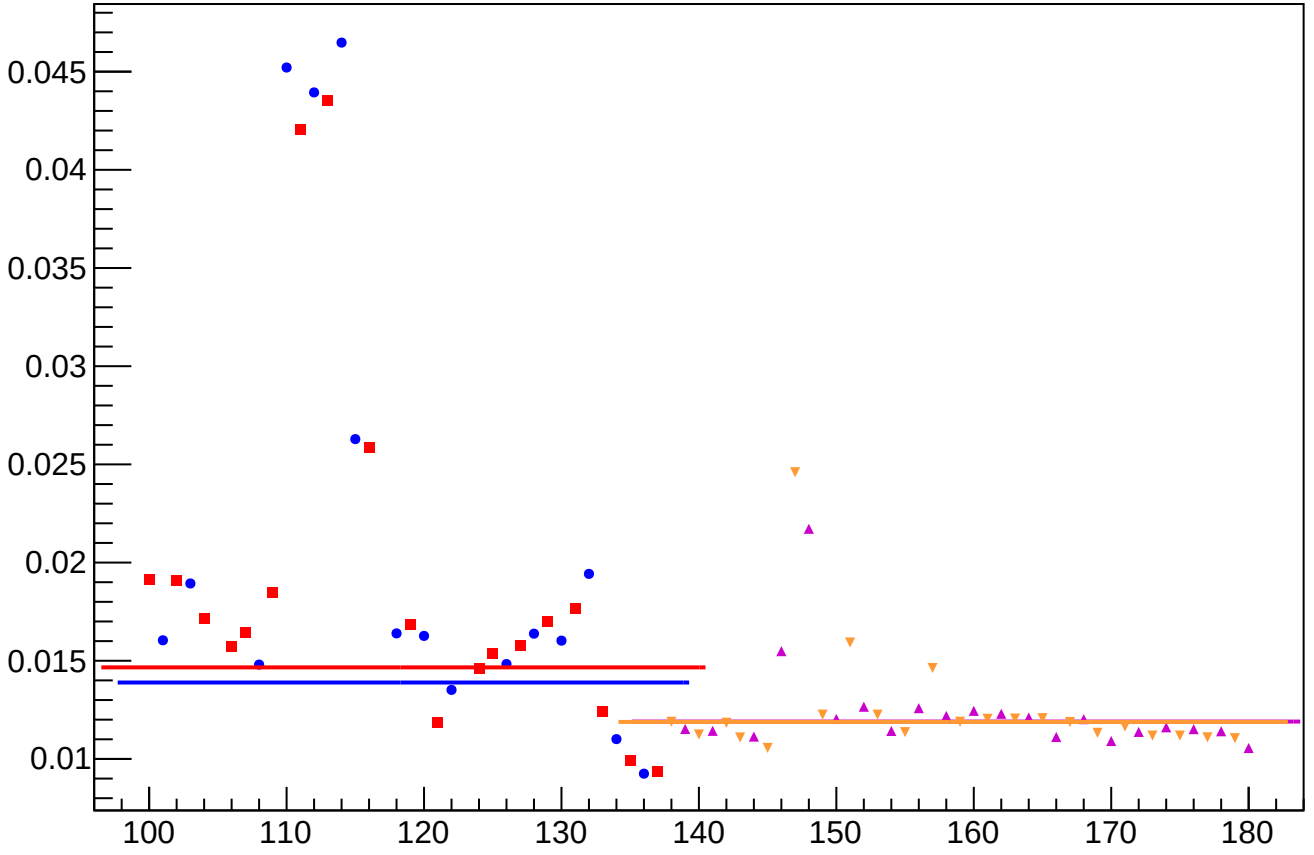
Left In: 0.614+/-0.000 χ^2/NDF:627343456.7/20

+ sign 0.677+/-0.000 χ^2/NDF: 4773037680.6/37

All: 0.677+/-0.000 χ^2/NDF: 10428406394.5/7

- 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:657537.0/21

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

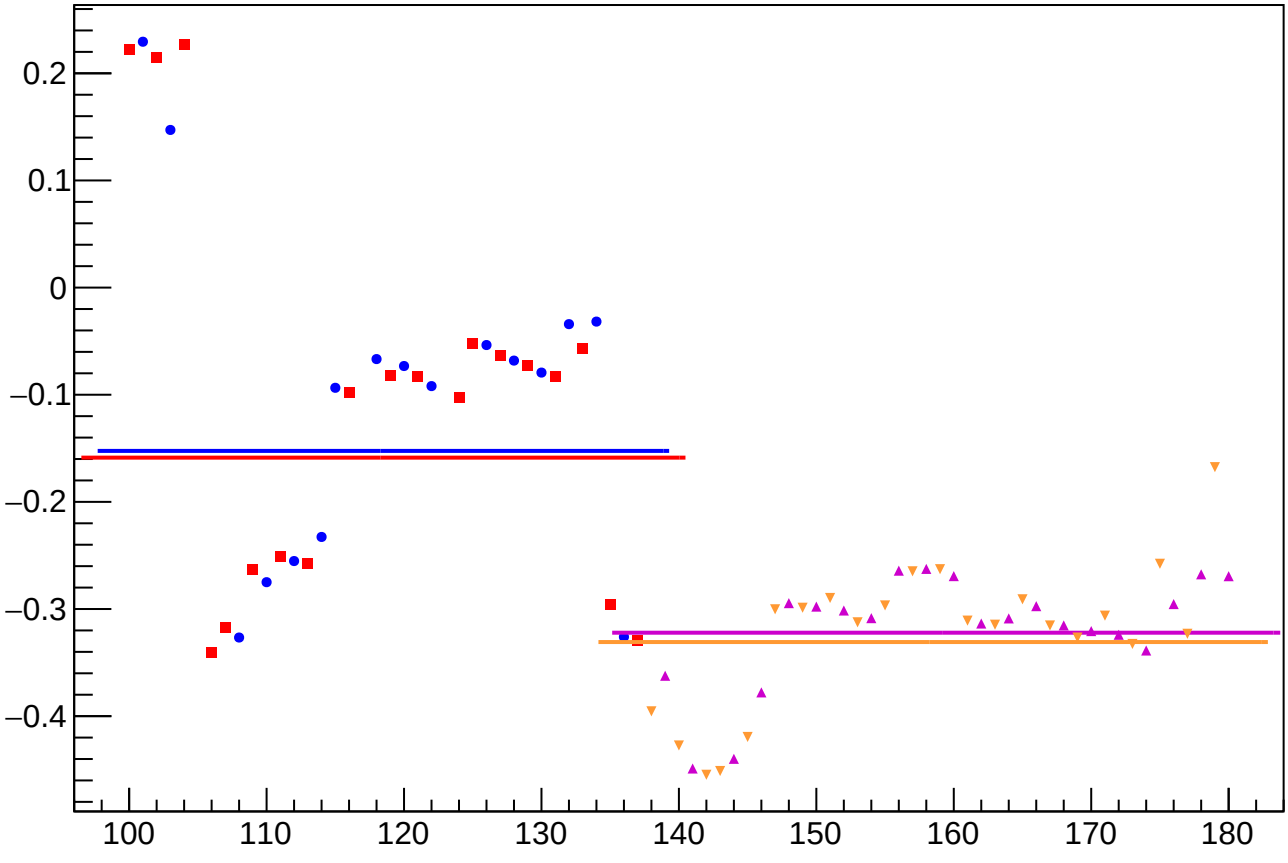
Left In: 0.012+/-0.000 χ^2/NDF:497136.8/20

+ sign 0.012+/-0.000 χ^2/NDF: 2500280.3/37

All: 0.012+/-0.000 χ^2/NDF: 4819979.1/77

- 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: -0.331+/-0.000 χ^2/NDF:153497913.3/21

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

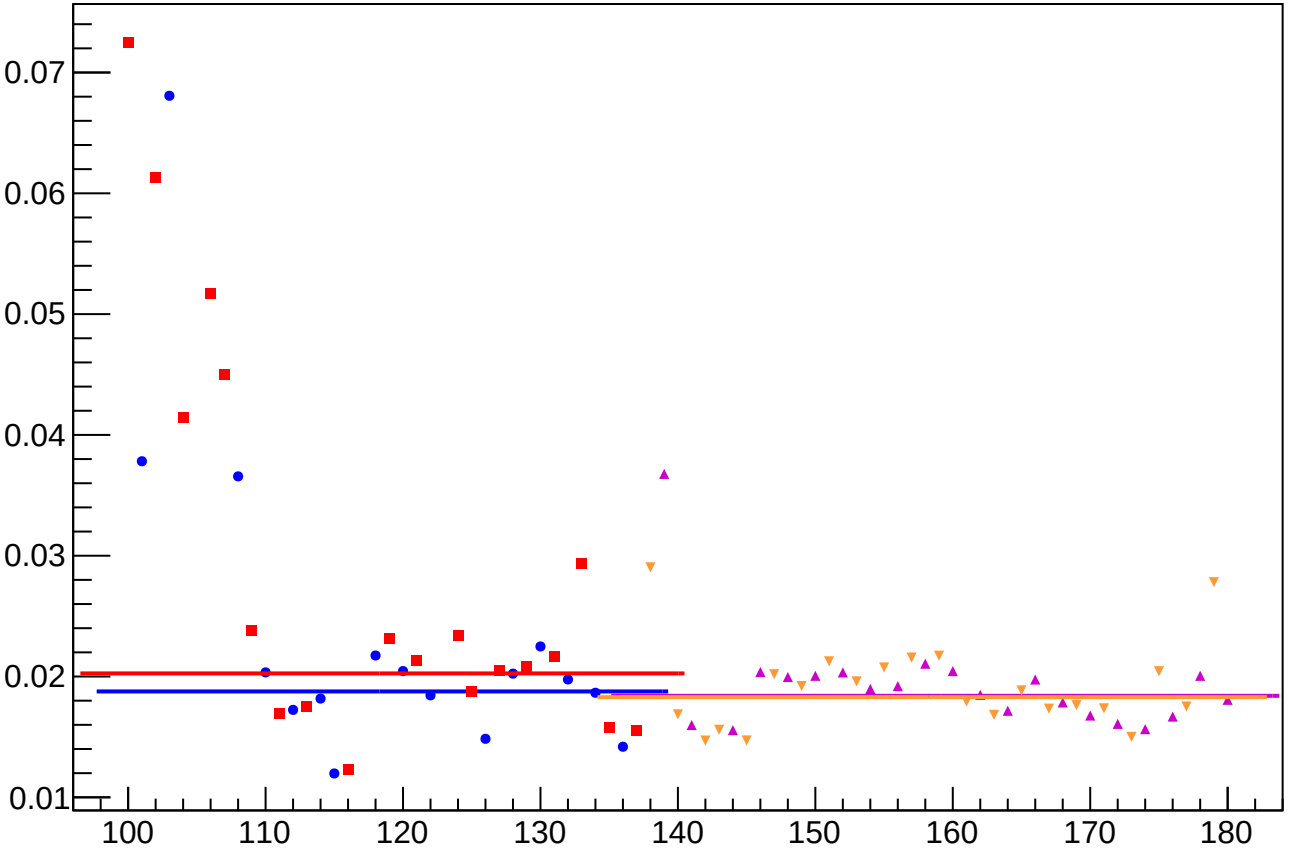
Left In: -0.322+/-0.000 χ^2/NDF:118661322.7/20

+ sign -0.283+/-0.000 χ^2/NDF: 777769779.0/37

All: -0.283+/-0.000 χ^2/NDF: 1359626370.4/7

- 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:682900.4/21

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

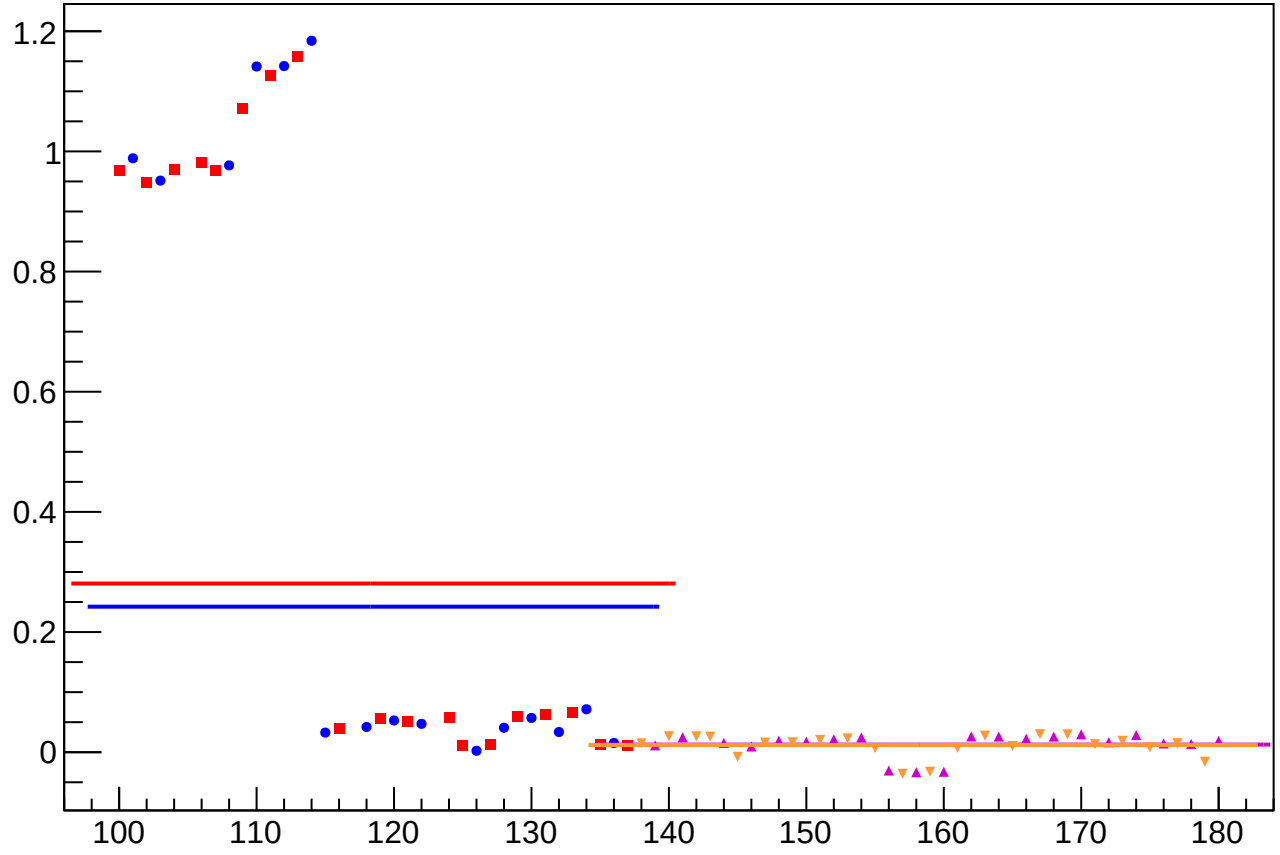
Left In: 0.018+/-0.000 χ^2/NDF:693534.3/20

+ sign 0.018+/-0.000 χ^2/NDF: 2037286.9/37

All: 0.019+/-0.000 χ^2/NDF: 4340054.2/77

- 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:46320980.8/21

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

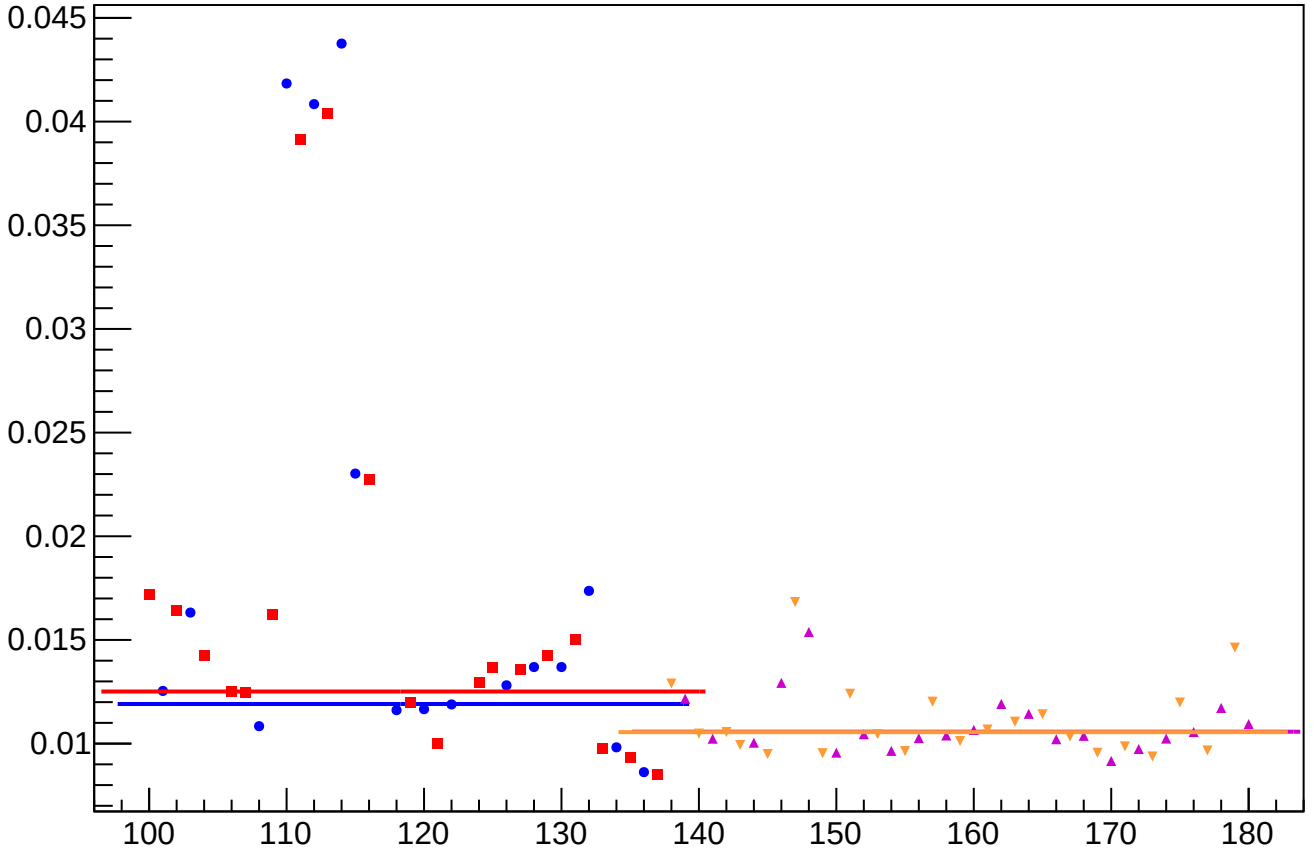
Left In: 0.013+/-0.000 χ^2/NDF:57906225.2/20

+ sign 0.064+/-0.000 χ^2/NDF: 8283896048.7/37

All: 0.067+/-0.000 χ^2/NDF: 17320850339.6/7

- 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:551118.6/21

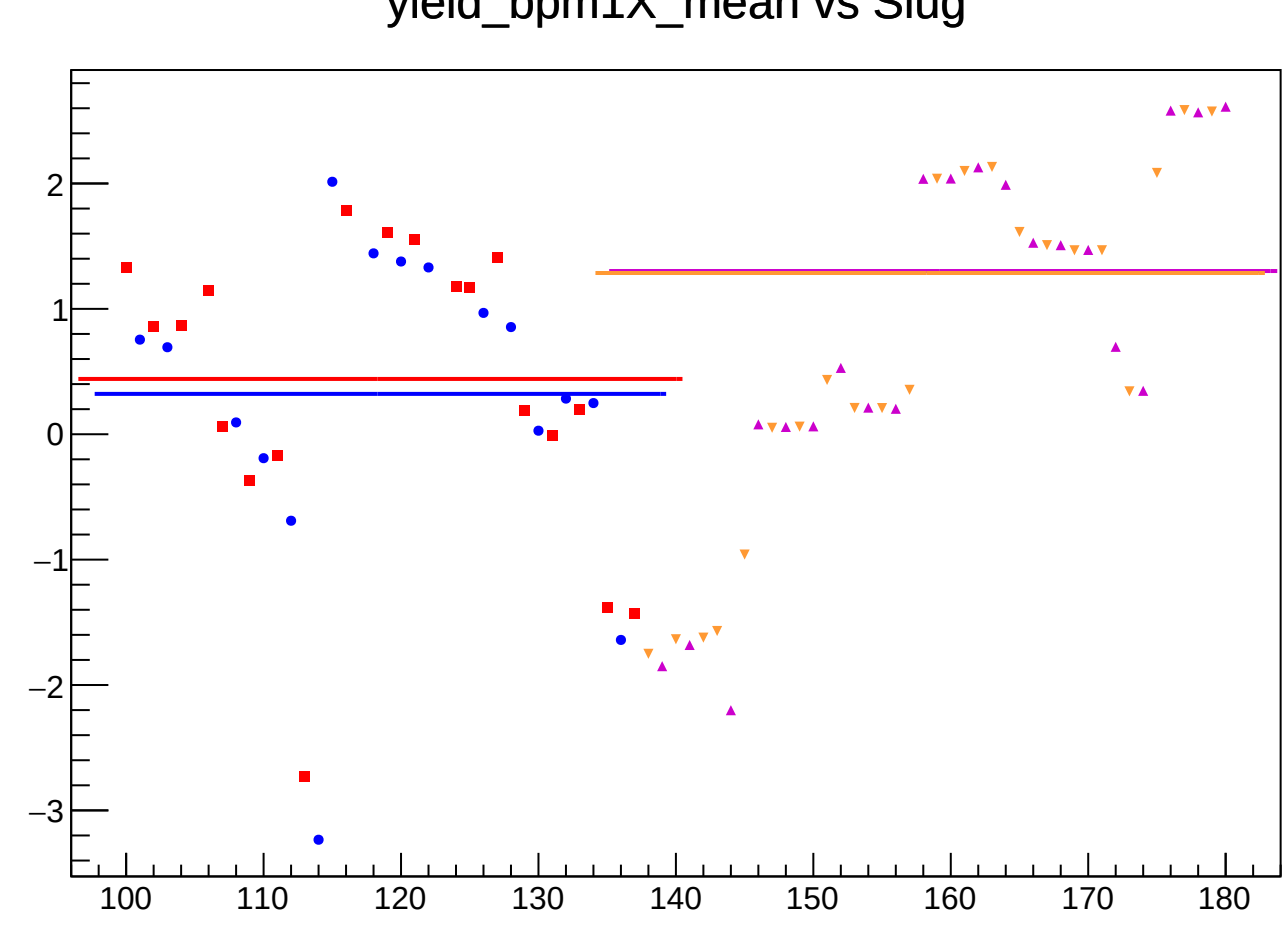
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:376593.7/20

+ sign 0.011+/-0.000 χ^2/NDF: 2130764.9/37

All: 0.011+/-0.000 χ^2/NDF: 4134813.7/77

- 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: 1.286+/-0.000 χ^2/NDF:46664321840.7/21

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

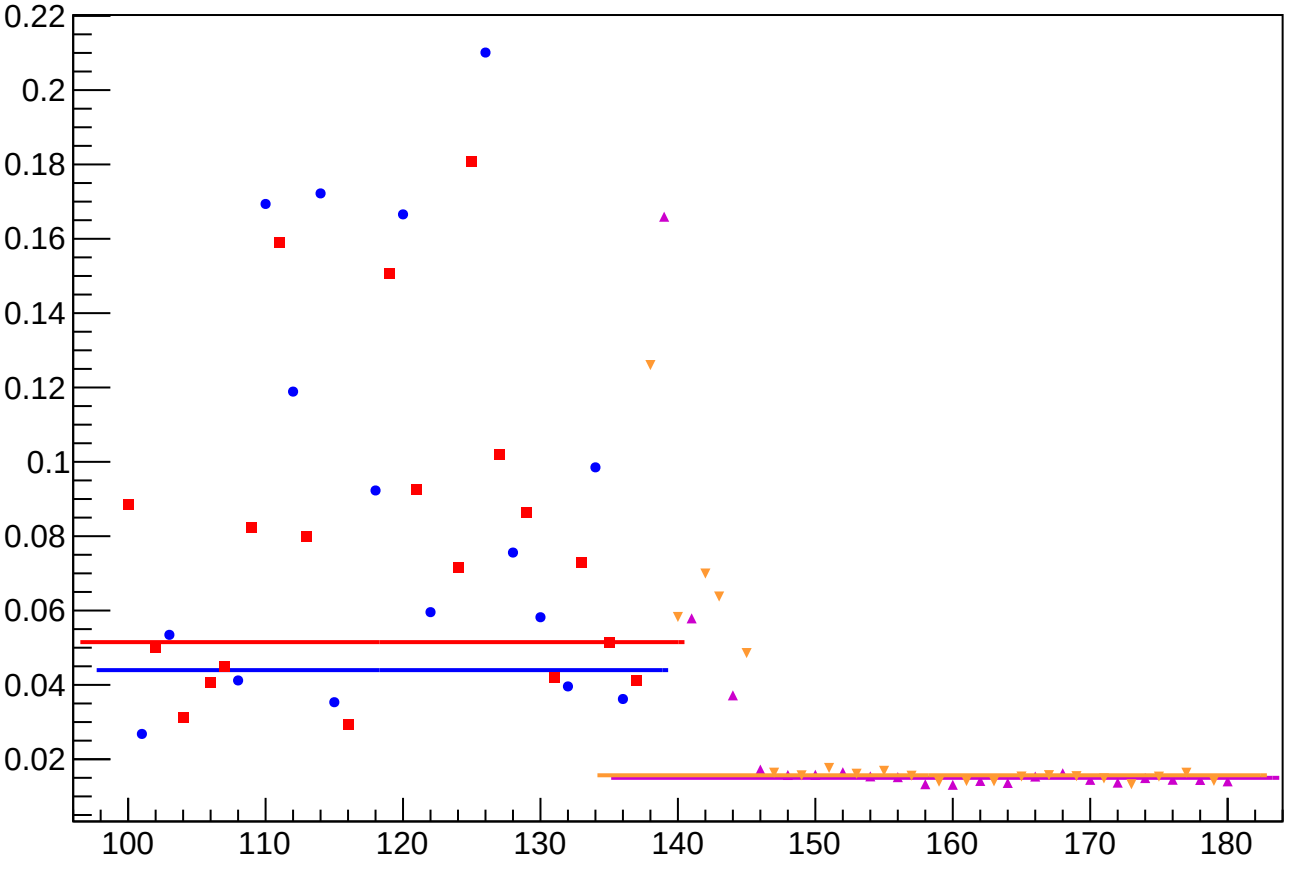
Left In: 1.302+/-0.000 χ^2/NDF:55786044795.1/20

+ sign 1.251+/-0.000 χ^2/NDF: 50107281816.7/37

All: 1.265+/-0.000 χ^2/NDF: 108896131743.7

- 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:2962239.2/21

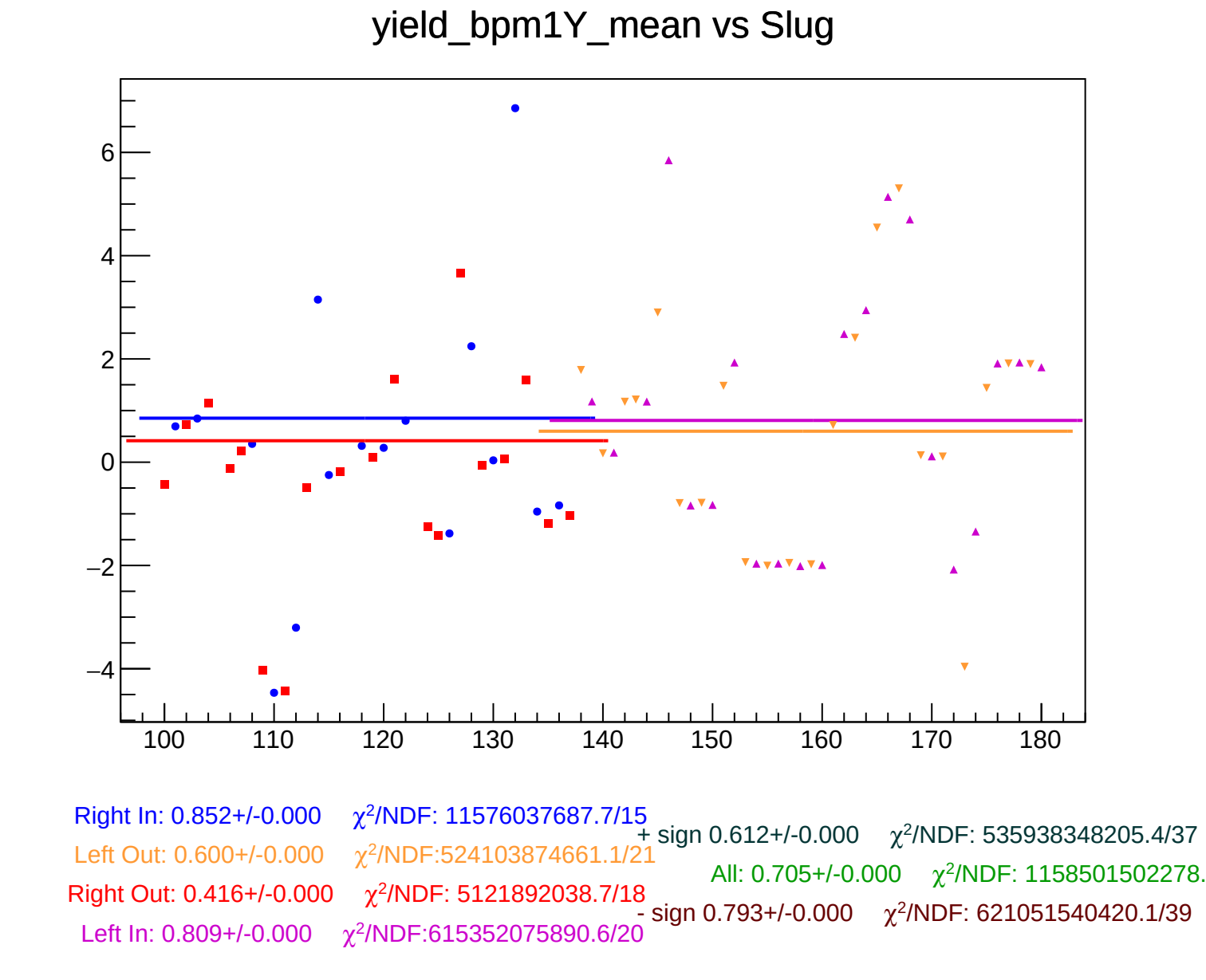
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2181918.9/20

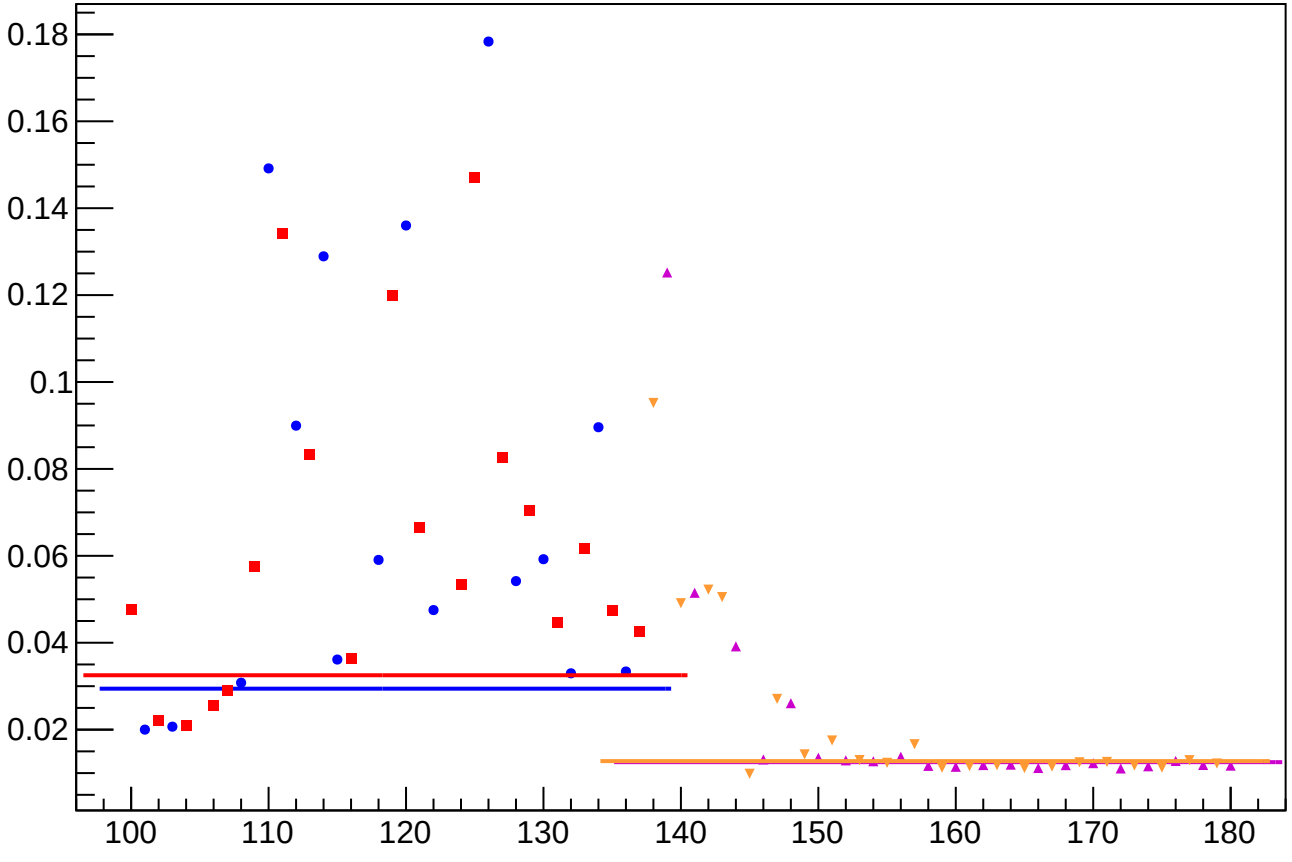
+ sign 0.017+/-0.000 χ^2/NDF: 8810611.8/37

All: 0.016+/-0.000 χ^2/NDF: 17652810.5/77

- sign 0.016+/-0.000 χ^2/NDF: 8814375.3/39


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: 0.600+/-0.000 χ²/NDF:524103874661.1/21
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 0.809+/-0.000 χ²/NDF:615352075890.6/20
+ sign 0.612+/-0.000 χ²/NDF: 535938348205.4/37
All: 0.705+/-0.000 χ²/NDF: 1158501502278.
- sign 0.793+/-0.000 χ²/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:3165598.6/21

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

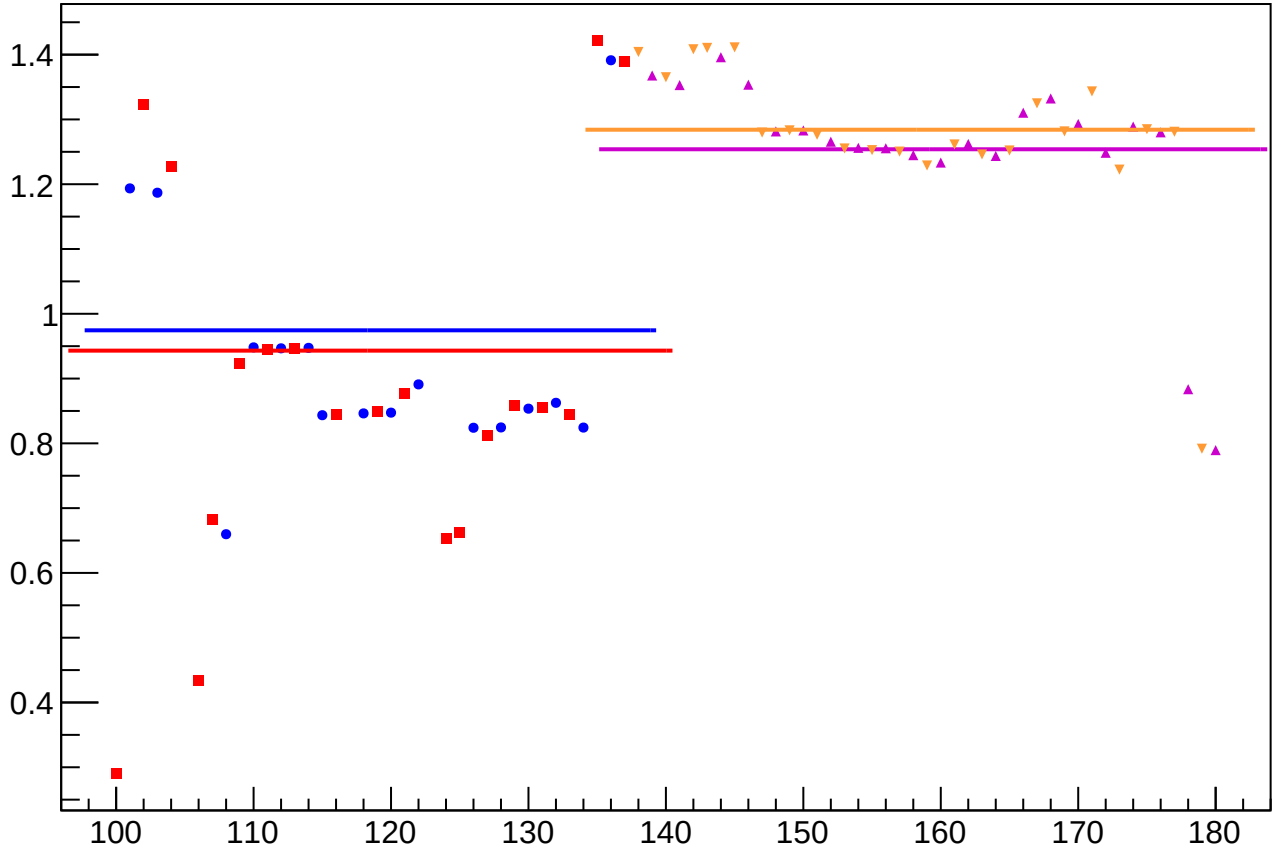
Left In: 0.013+/-0.000 χ^2/NDF:2748867.6/20

+ sign 0.014+/-0.000 χ^2/NDF: 8613699.4/37

All: 0.013+/-0.000 χ^2/NDF: 17676216.1/77

- sign 0.013+/-0.000 χ^2/NDF: 9058367.0/39

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.284+/-0.000 χ^2/NDF:1022112933.7/21

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

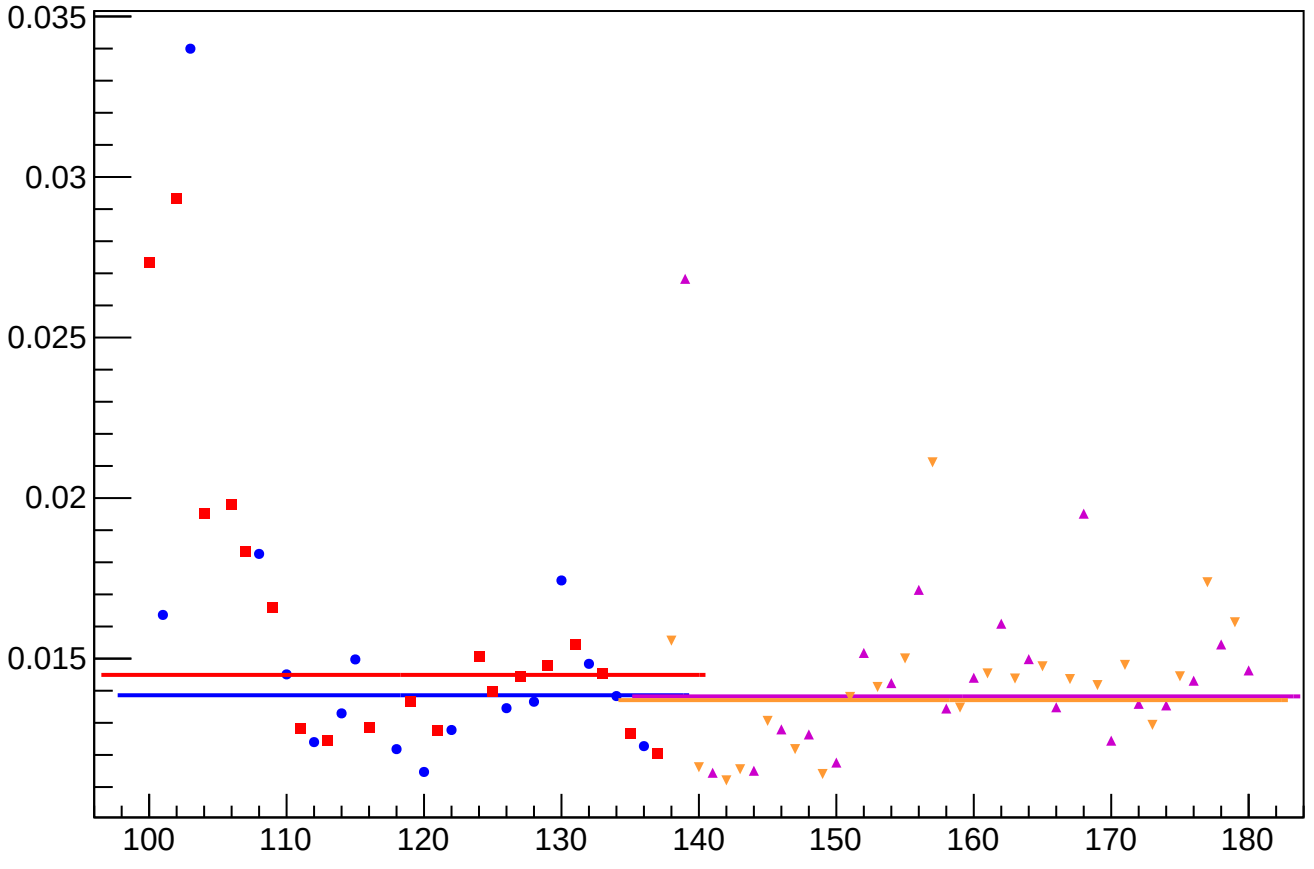
Left In: 1.254+/-0.000 χ^2/NDF:1568467431.5/20

+ sign 1.196+/-0.000 χ^2/NDF: 4697458162.8/37

All: 1.182+/-0.000 χ^2/NDF: 10112199701.0/7

- sign 1.168+/-0.000 χ^2/NDF: 5371643843.5/39

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.014+/-0.000 χ^2/NDF:539908.9/21

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

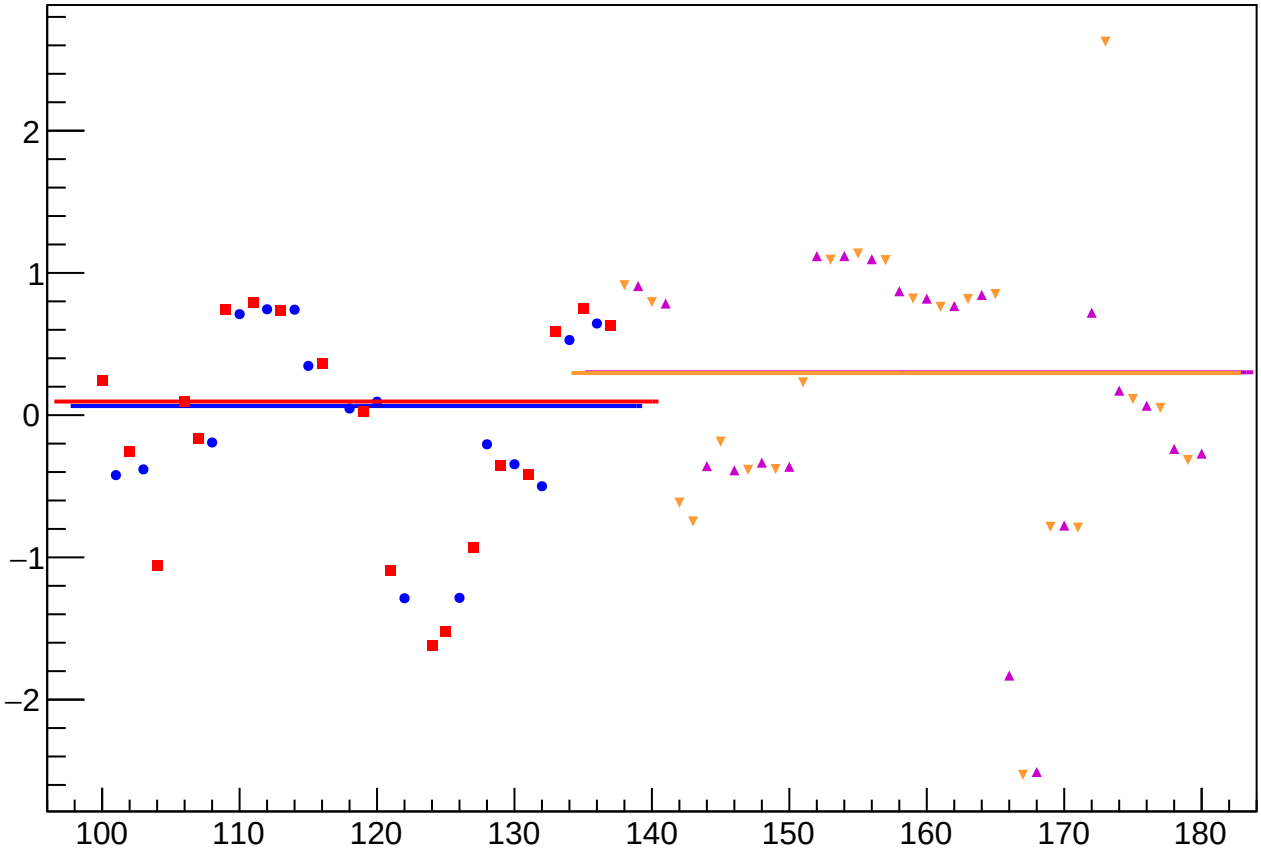
Left In: 0.014+/-0.000 χ^2/NDF:867831.1/20

+ sign 0.014+/-0.000 χ^2/NDF: 1140954.4/37

All: 0.014+/-0.000 χ^2/NDF: 2580355.4/77

- sign 0.014+/-0.000 χ^2/NDF: 1431932.3/39

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.297+/-0.000 χ^2/NDF:102298792938.5/21

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

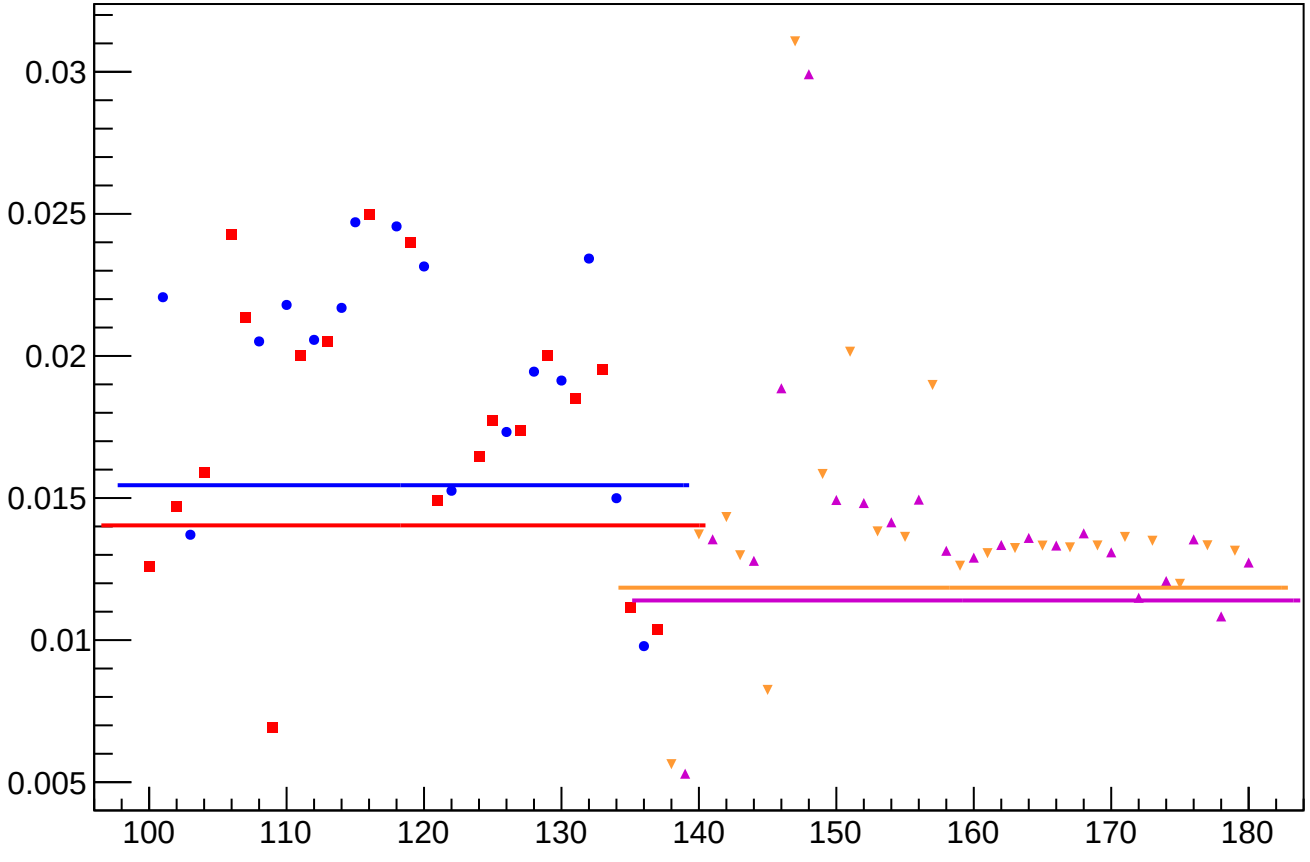
Left In: 0.301+/-0.000 χ^2/NDF:88520145099.3/20

+ sign 0.252+/-0.000 χ^2/NDF: 114436601213.1/37

All: 0.255+/-0.000 χ^2/NDF: 221738709865.6

- sign 0.258+/-0.000 χ^2/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:3238544.3/21

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

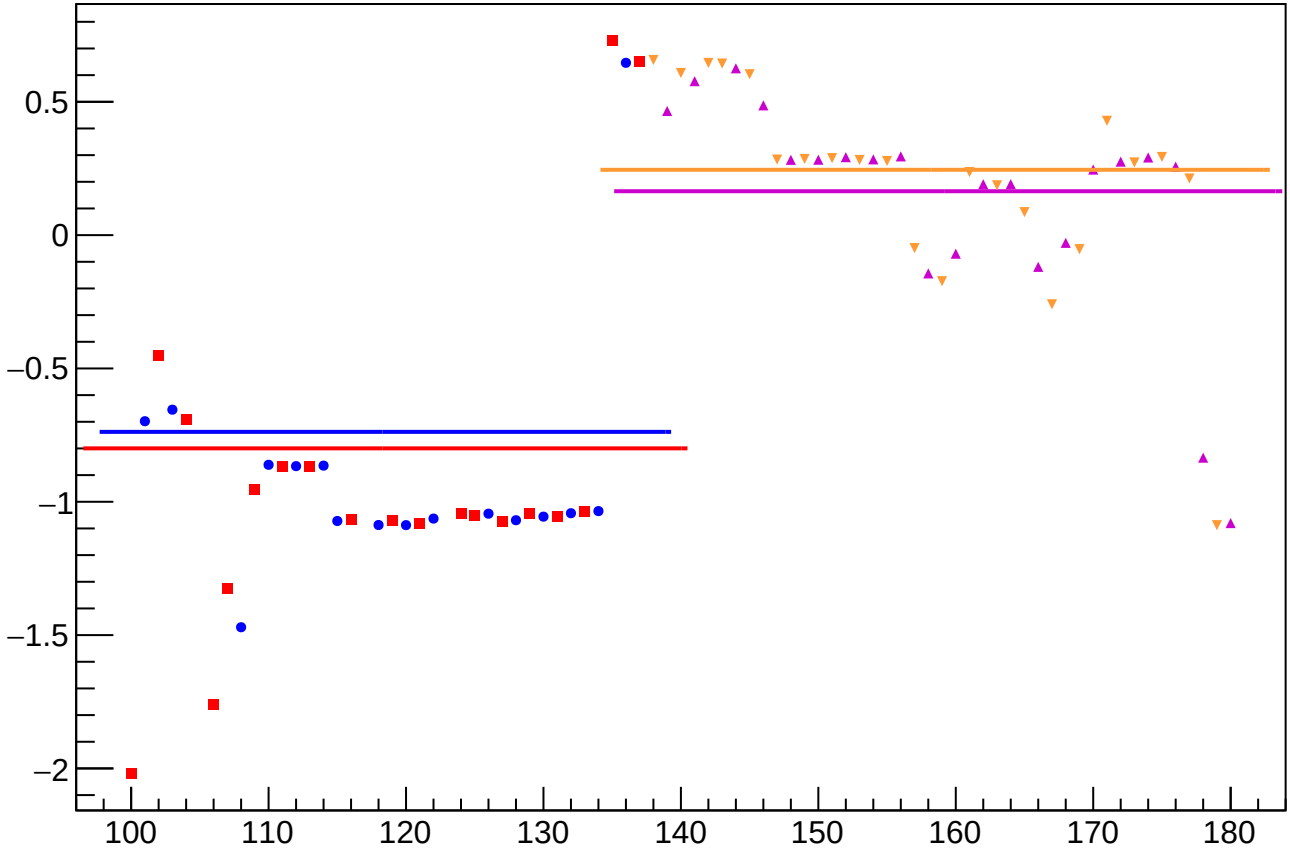
Left In: 0.011+/-0.000 χ^2/NDF:3633412.1/20

+ sign 0.013+/-0.000 χ^2/NDF: 5061702.2/37

All: 0.012+/-0.000 χ^2/NDF: 10756842.6/77

- sign 0.012+/-0.000 χ^2/NDF: 5648881.5/39

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.245+/-0.000 χ^2/NDF:1541123715.5/21

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

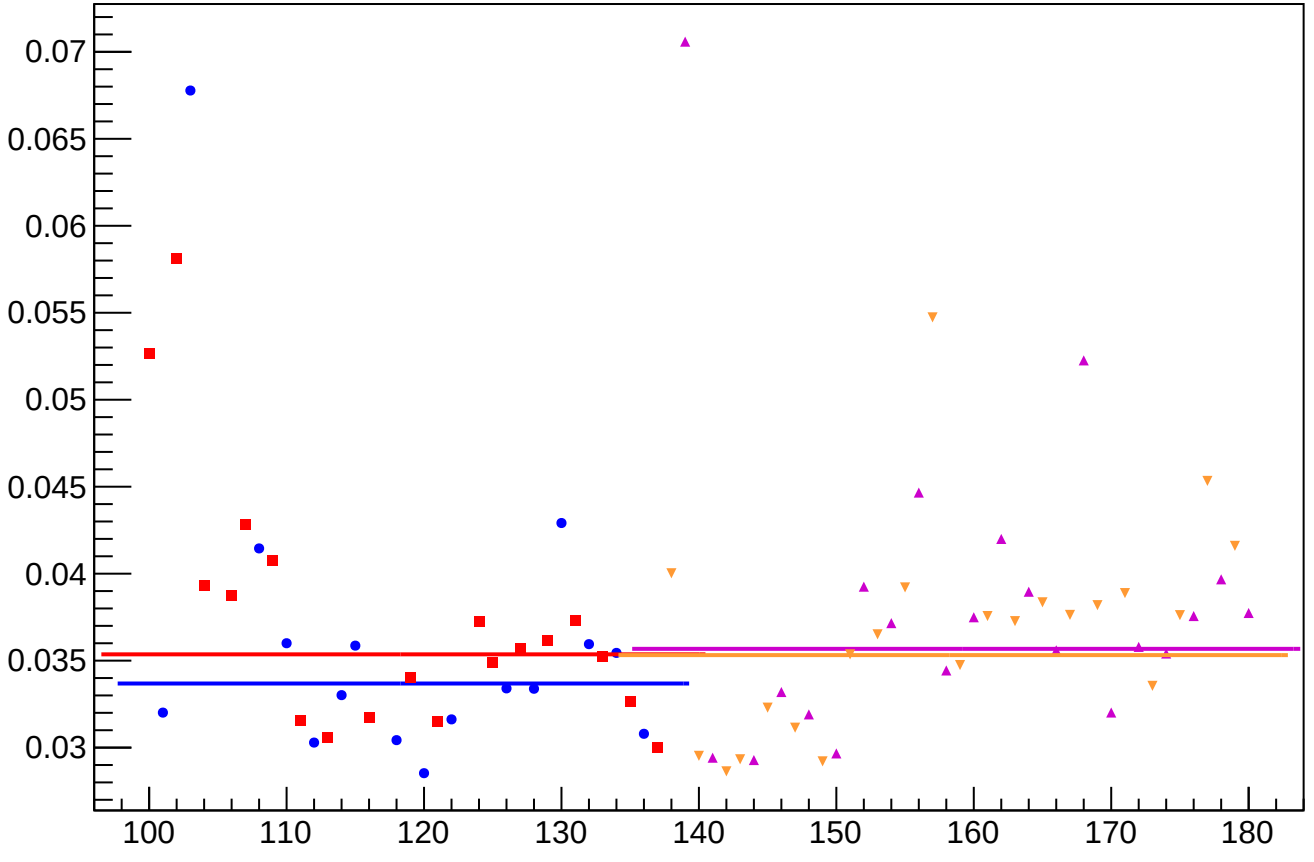
Left In: 0.165+/-0.000 χ^2/NDF:2025584928.2/20

+ sign -0.065+/-0.000 χ^2/NDF: 7288742048.7/37

All: -0.096+/-0.000 χ^2/NDF: 14581368891.7/

- 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:603177.6/21

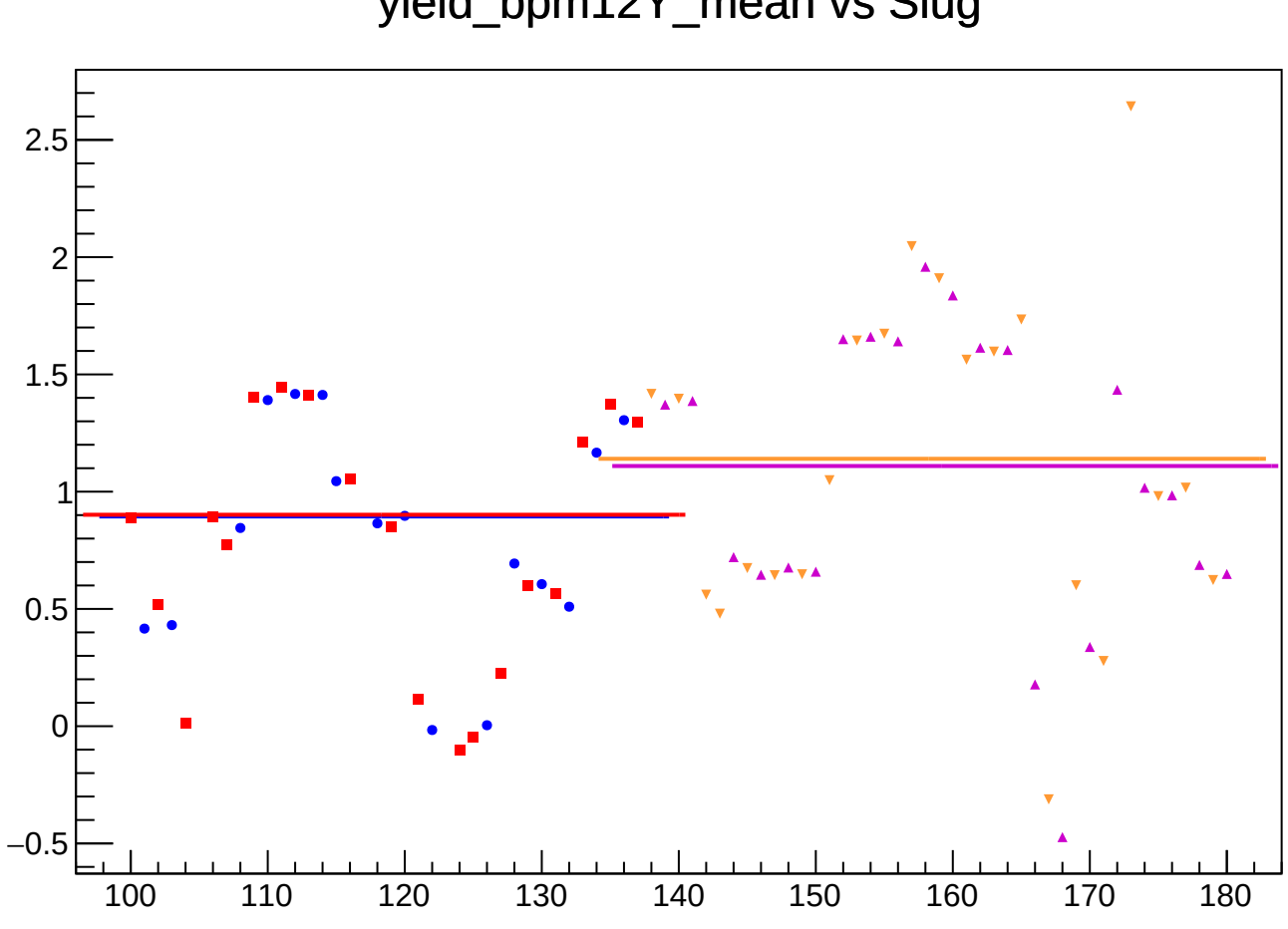
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.036+/-0.000 χ^2/NDF:955103.5/20

\+ sign 0.035+/-0.000 χ^2/NDF: 1043685.0/37

All: 0.035+/-0.000 χ^2/NDF: 2306372.6/77

\- sign 0.036+/-0.000 χ^2/NDF: 1252177.5/39



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.140+/-0.000 χ^2/NDF:88913212991.9/21

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

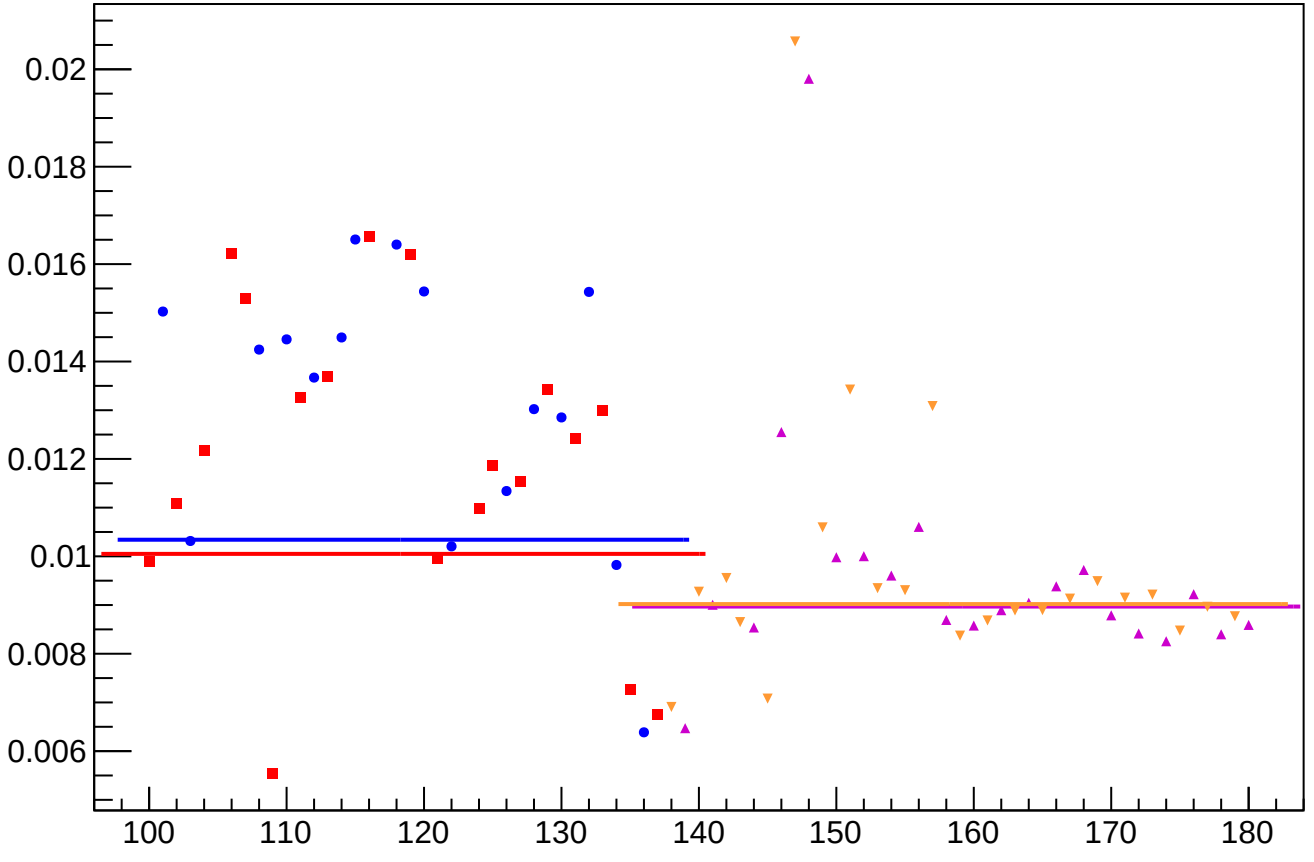
Left In: 1.109+/-0.000 χ^2/NDF:71281564505.8/20

+ sign 1.086+/-0.000 χ^2/NDF: 104298182539.7/37

All: 1.074+/-0.000 χ^2/NDF: 195552584936.7

- 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:1136987.7/21

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

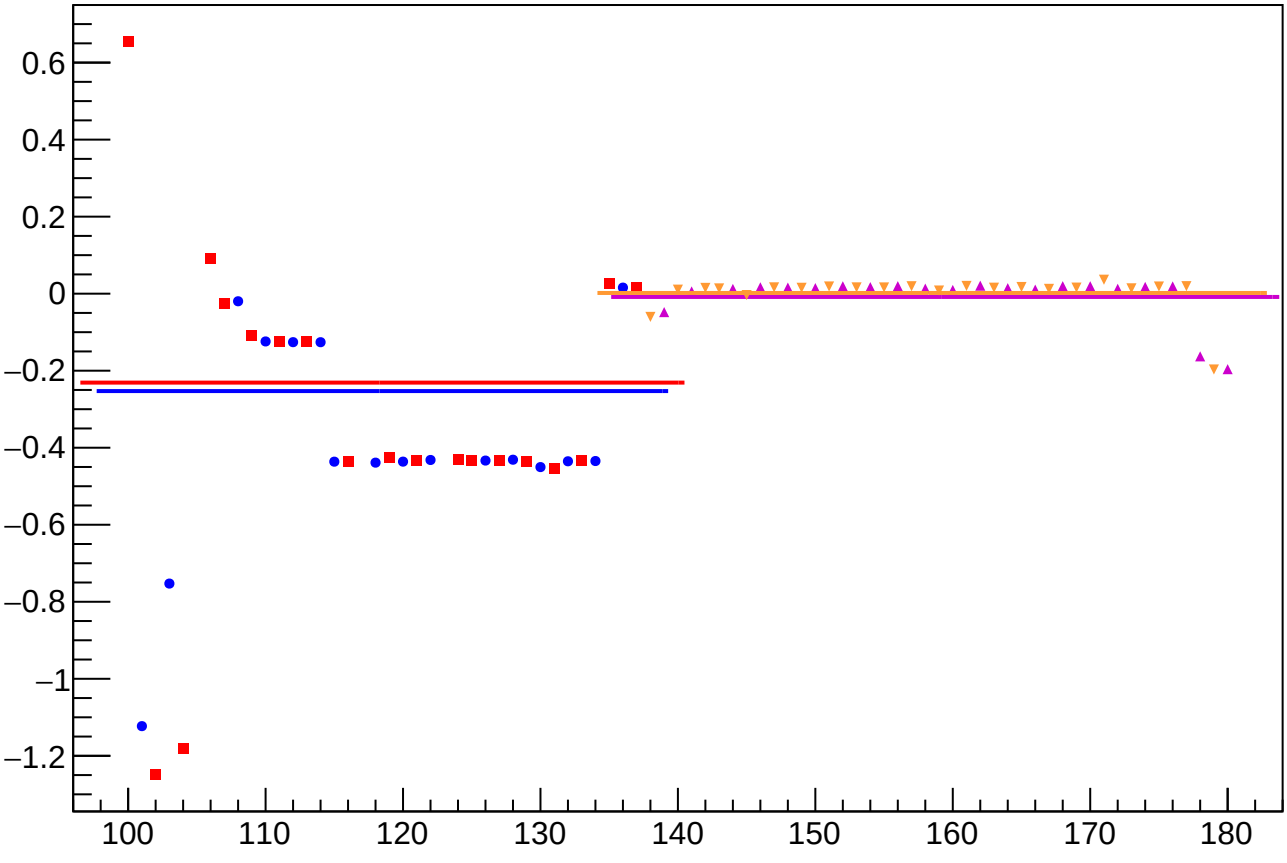
Left In: 0.009+/-0.000 χ^2/NDF:964138.0/20

+ sign 0.009+/-0.000 χ^2/NDF: 2639607.0/37

All: 0.009+/-0.000 χ^2/NDF: 5050638.7/77

- 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: 0.002+/-0.000 χ^2/NDF:399443185.9/21

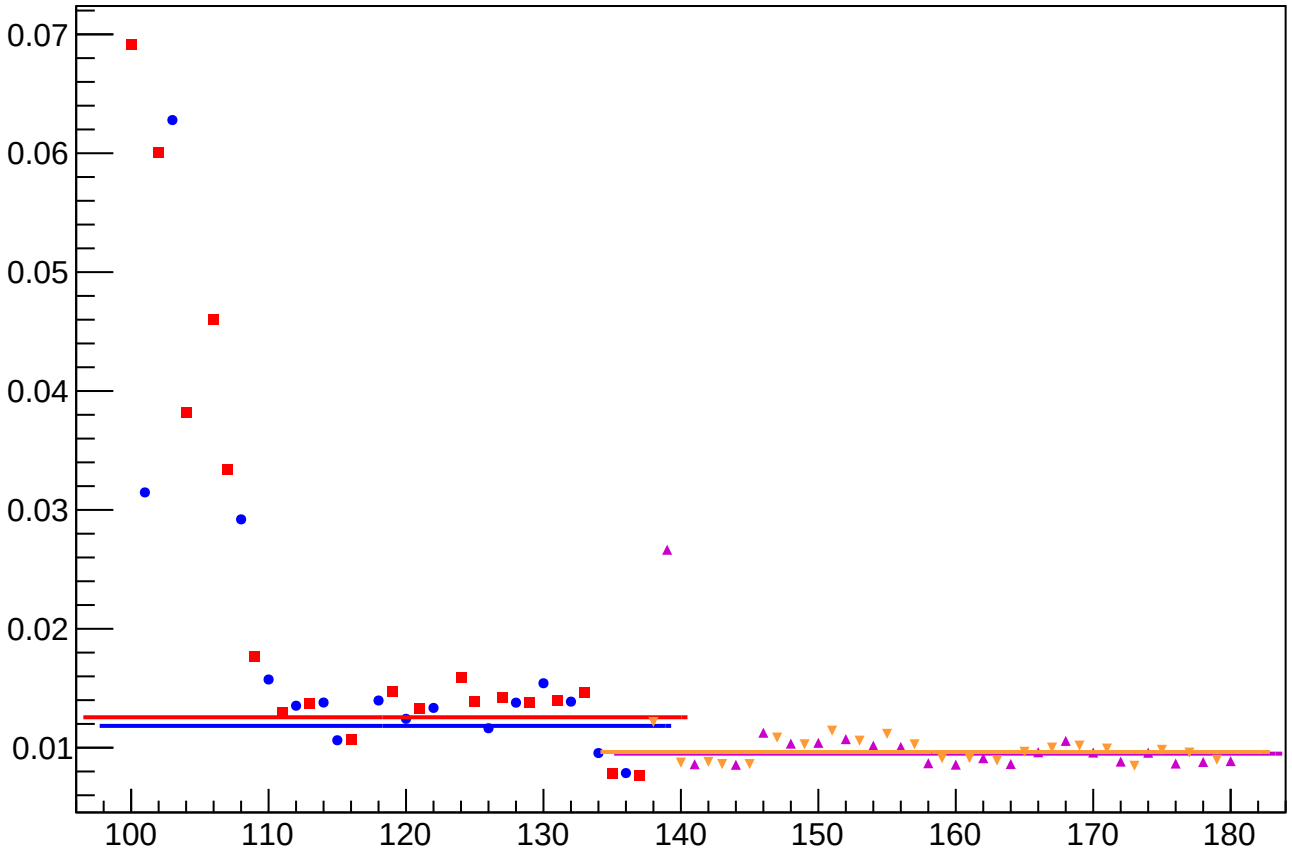
Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: -0.009+/-0.000 χ^2/NDF:641445529.7/20

+ sign -0.045+/-0.000 χ^2/NDF: 4307225394.8/37

All: -0.045+/-0.000 χ^2/NDF: 8065897643.6/7

- sign -0.046+/-0.000 χ^2/NDF: 3758607252.7/39



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:262328.6/21

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

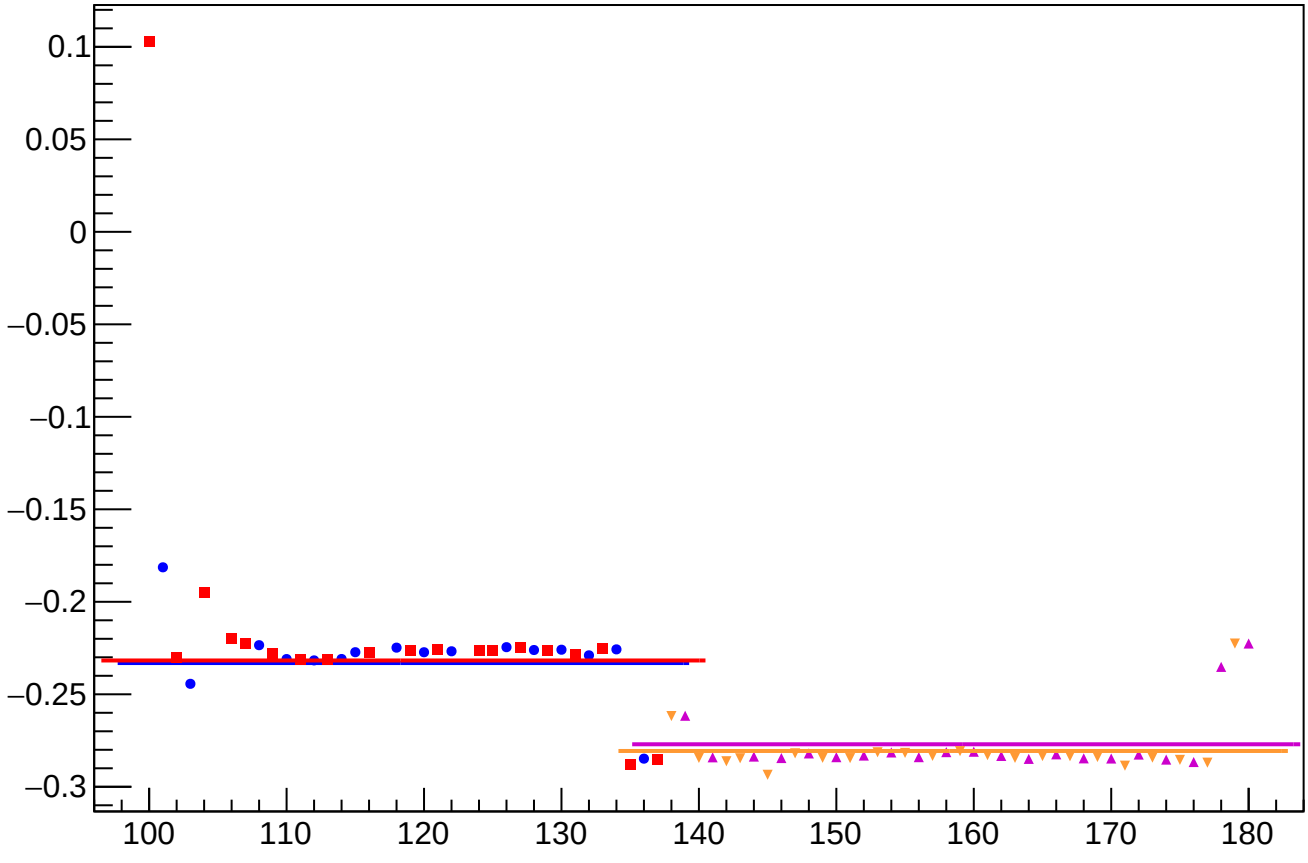
Left In: 0.009+/-0.000 χ^2/NDF:900431.9/20

+ sign 0.010+/-0.000 χ^2/NDF: 2484720.7/37

All: 0.010+/-0.000 χ^2/NDF: 6098260.4/77

- 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: -0.281+/-0.000 χ^2/NDF:137446645.7/21

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

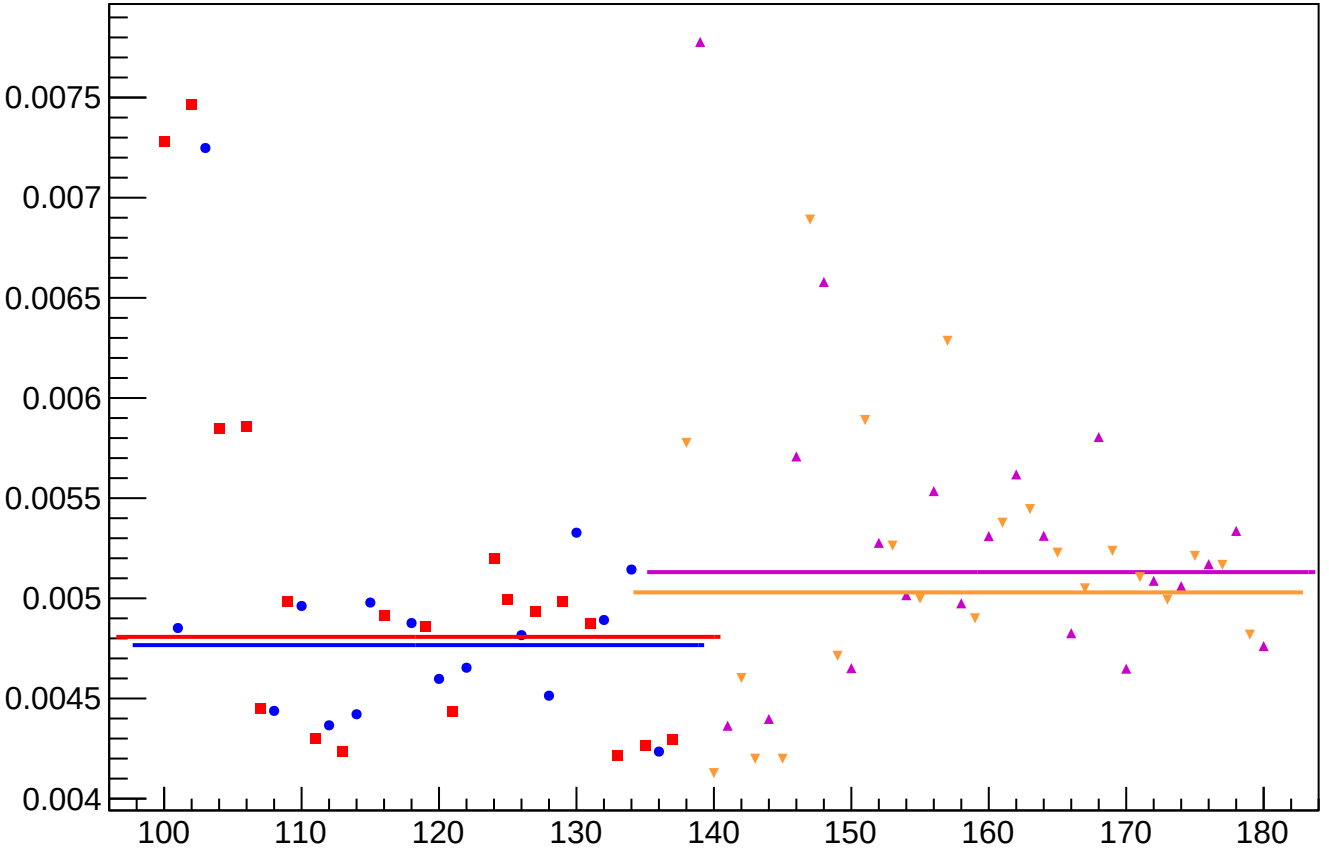
Left In: -0.277+/-0.000 χ^2/NDF:190010075.4/20

+ sign -0.266+/-0.000 χ^2/NDF: 781252166.5/37

All: -0.264+/-0.000 χ^2/NDF: 1668815228.1/7

- 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:462621.9/21

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

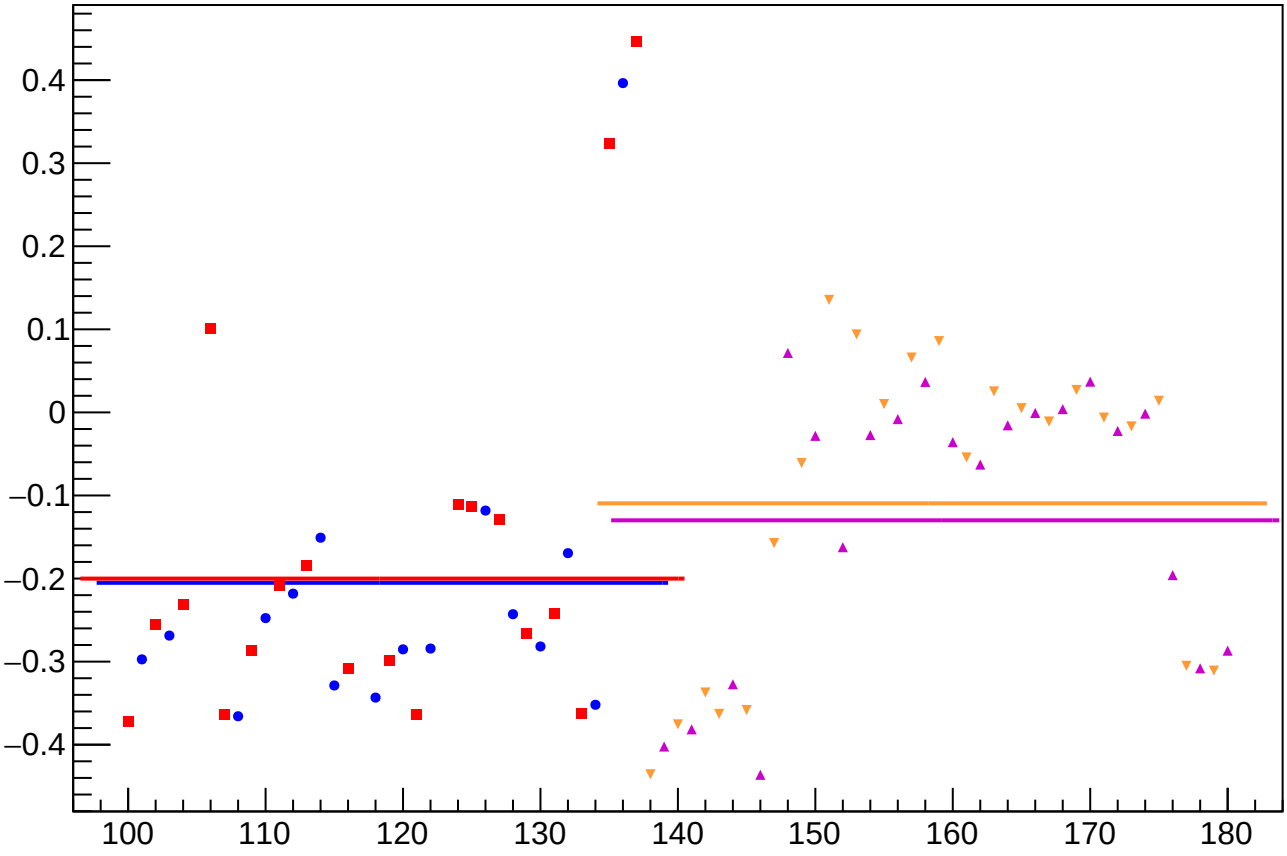
Left In: 0.005+/-0.000 χ^2/NDF:477074.1/20

+ sign 0.005+/-0.000 χ^2/NDF: 681664.4/37

All: 0.005+/-0.000 χ^2/NDF: 1499167.7/77

- sign 0.005+/-0.000 χ^2/NDF: 811955.0/39

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.109+/-0.000 χ^2/NDF:18601301810.5/21

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

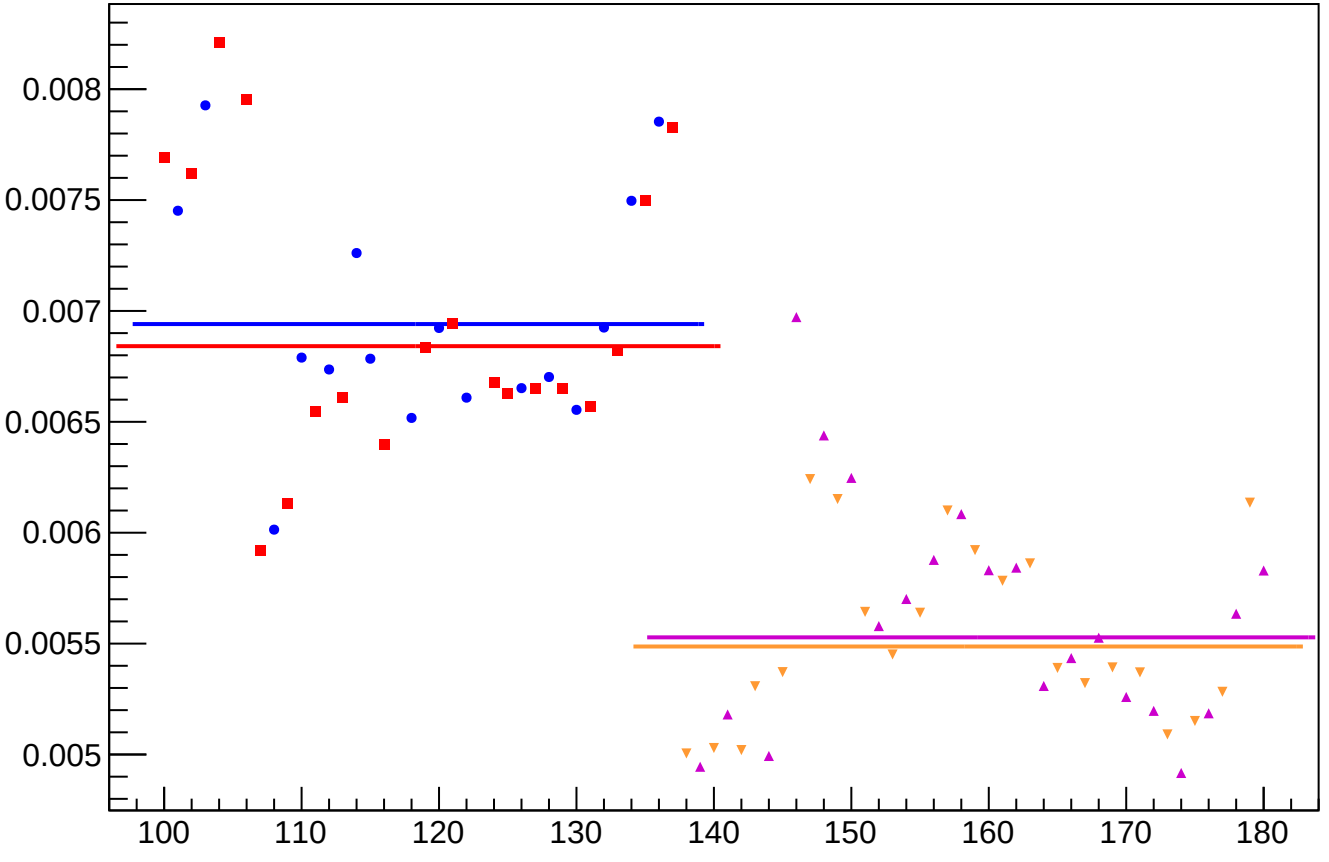
Left In: -0.130+/-0.000 χ^2/NDF:14054521466.2/20

+ sign -0.130+/-0.000 χ^2/NDF: 25845791999.7/37

All: -0.138+/-0.000 χ^2/NDF: 45827809113.7/

- sign -0.146+/-0.000 χ^2/NDF: 19892414647.2/39

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:152321.5/21

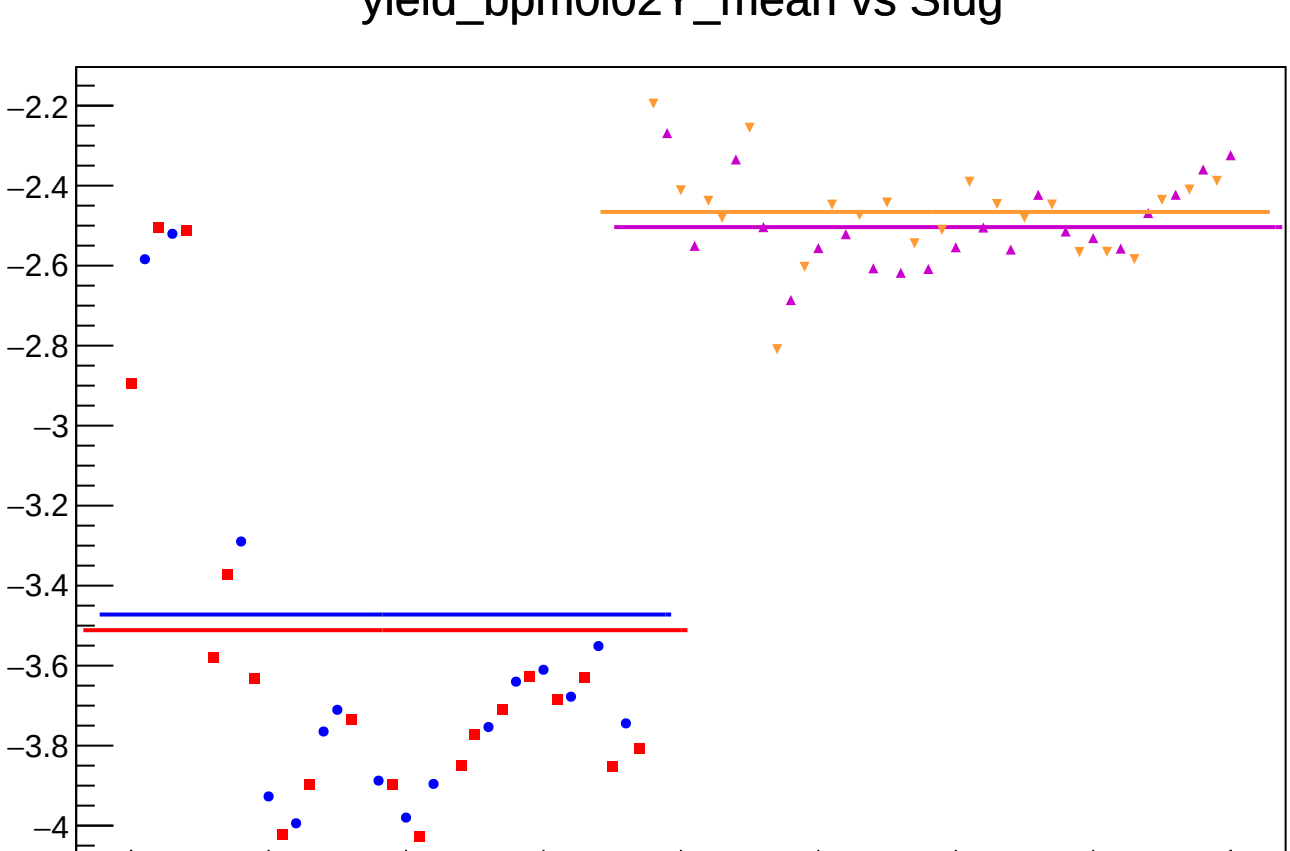
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:241036.1/20

+ sign 0.006+/-0.000 χ^2/NDF: 725127.3/37

All: 0.006+/-0.000 χ^2/NDF: 1478575.7/77

- 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:2158516397.6/21

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

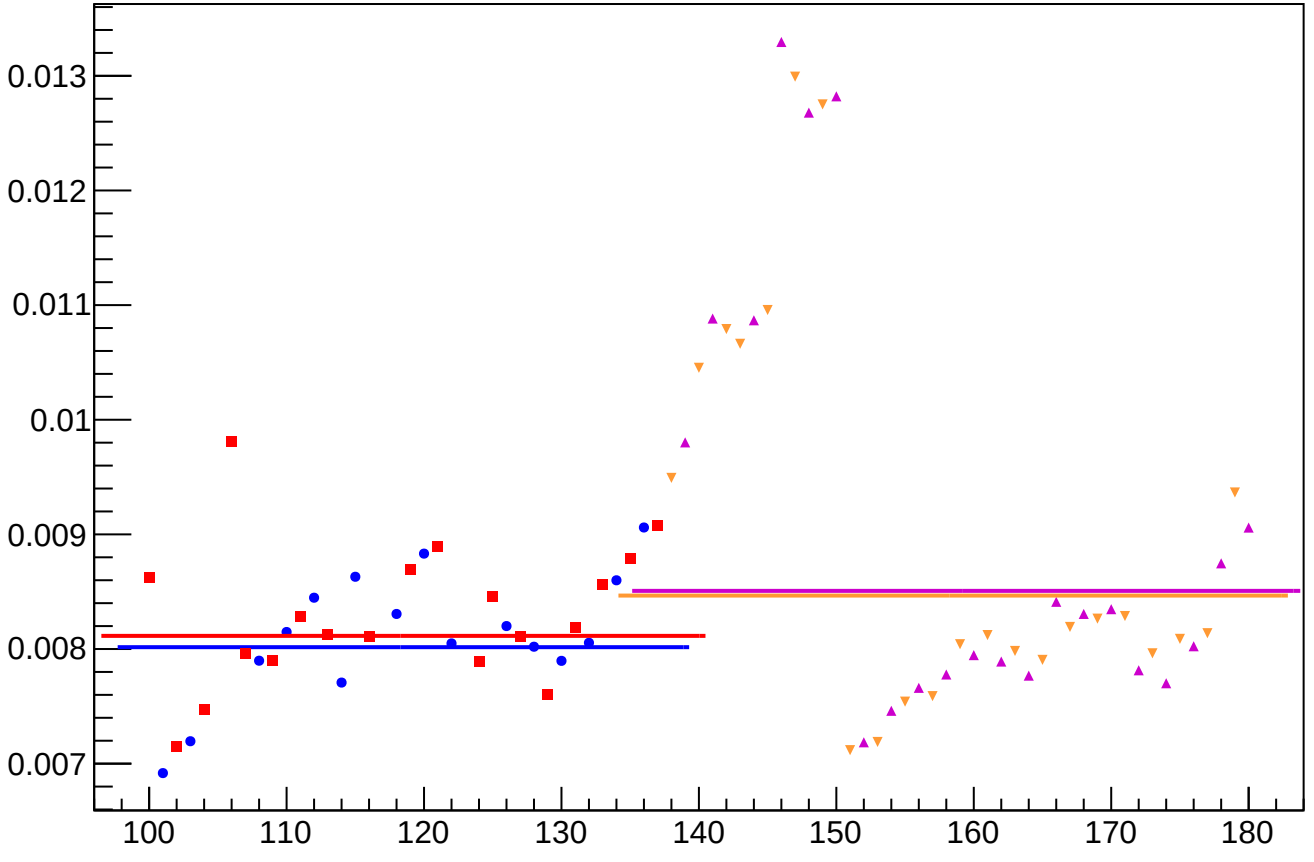
Left In: -2.504+/-0.000 χ^2/NDF:2181285644.4/20

+ sign -2.792+/-0.000 χ^2/NDF: 106186983490.7/37

All: -2.813+/-0.000 χ^2/NDF: 212114679200.6

- 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: 0.008+/-0.000 χ^2/NDF:776481.6/21

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

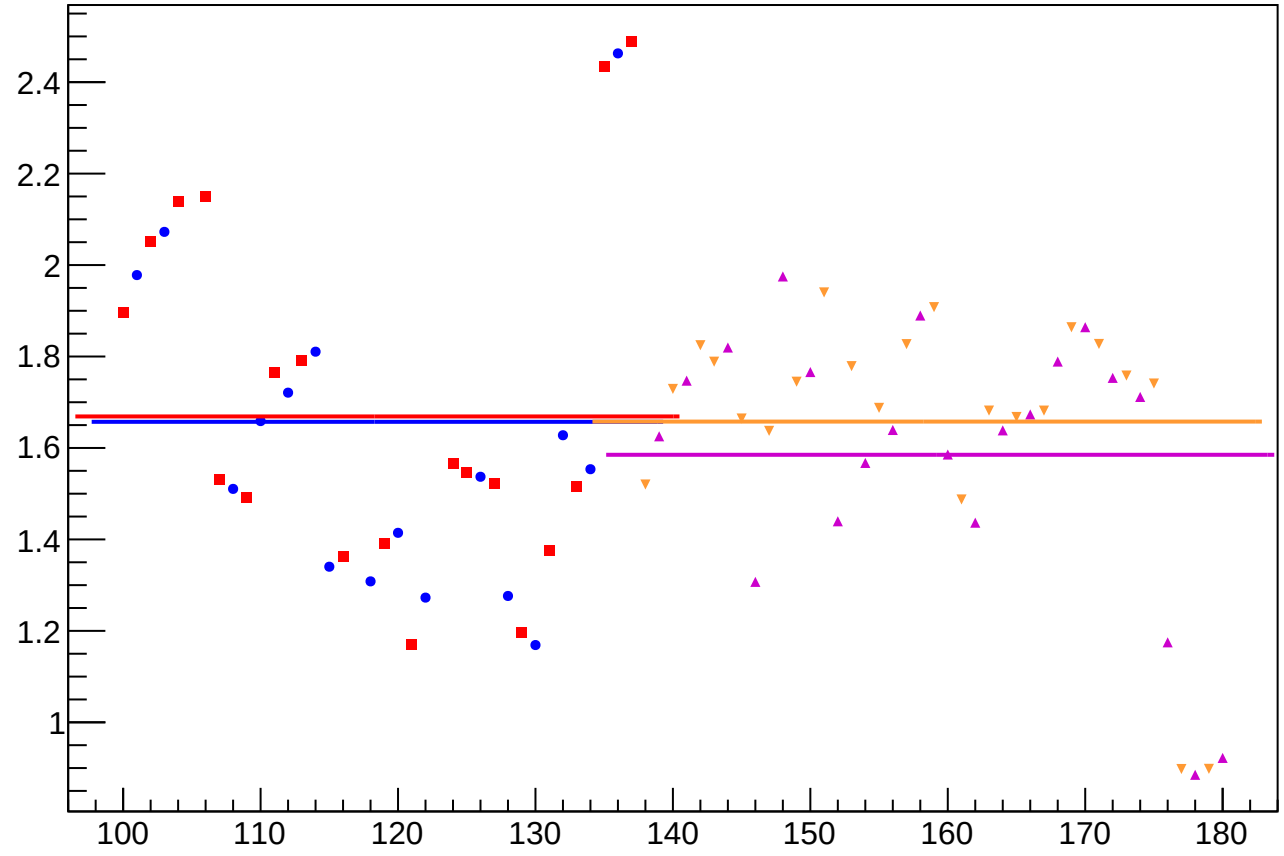
Left In: 0.009+/-0.000 χ^2/NDF:897143.0/20

+ sign 0.008+/-0.000 χ^2/NDF: 892494.0/37

All: 0.008+/-0.000 χ^2/NDF: 1884220.8/77

- 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: 1.658+/-0.000 χ^2/NDF:9982784234.9/21

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

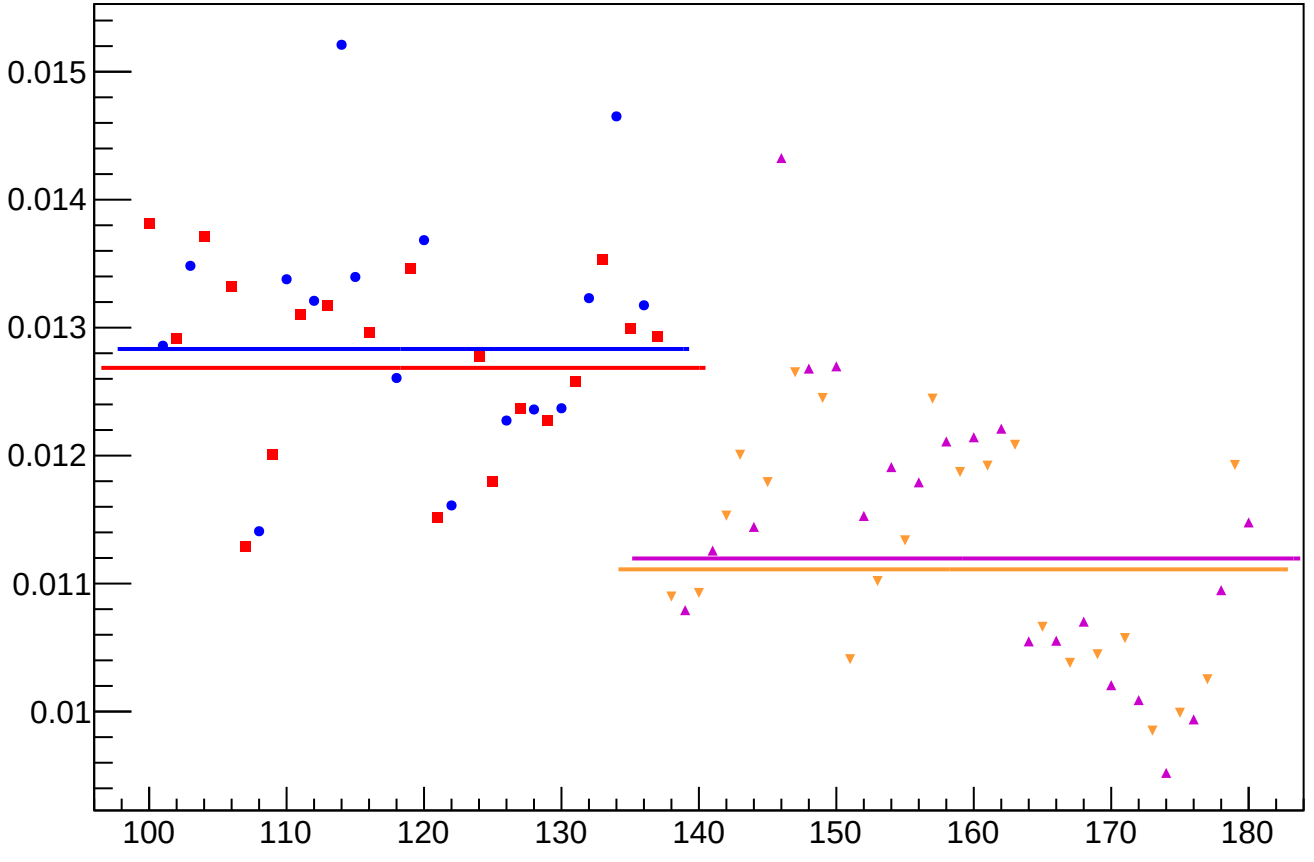
Left In: 1.585+/-0.000 χ^2/NDF:11171627412.0/20

+ sign 1.658+/-0.000 χ^2/NDF: 16648946816.6/37

All: 1.632+/-0.000 χ^2/NDF: 34641603212.4/7

- 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:191244.5/21

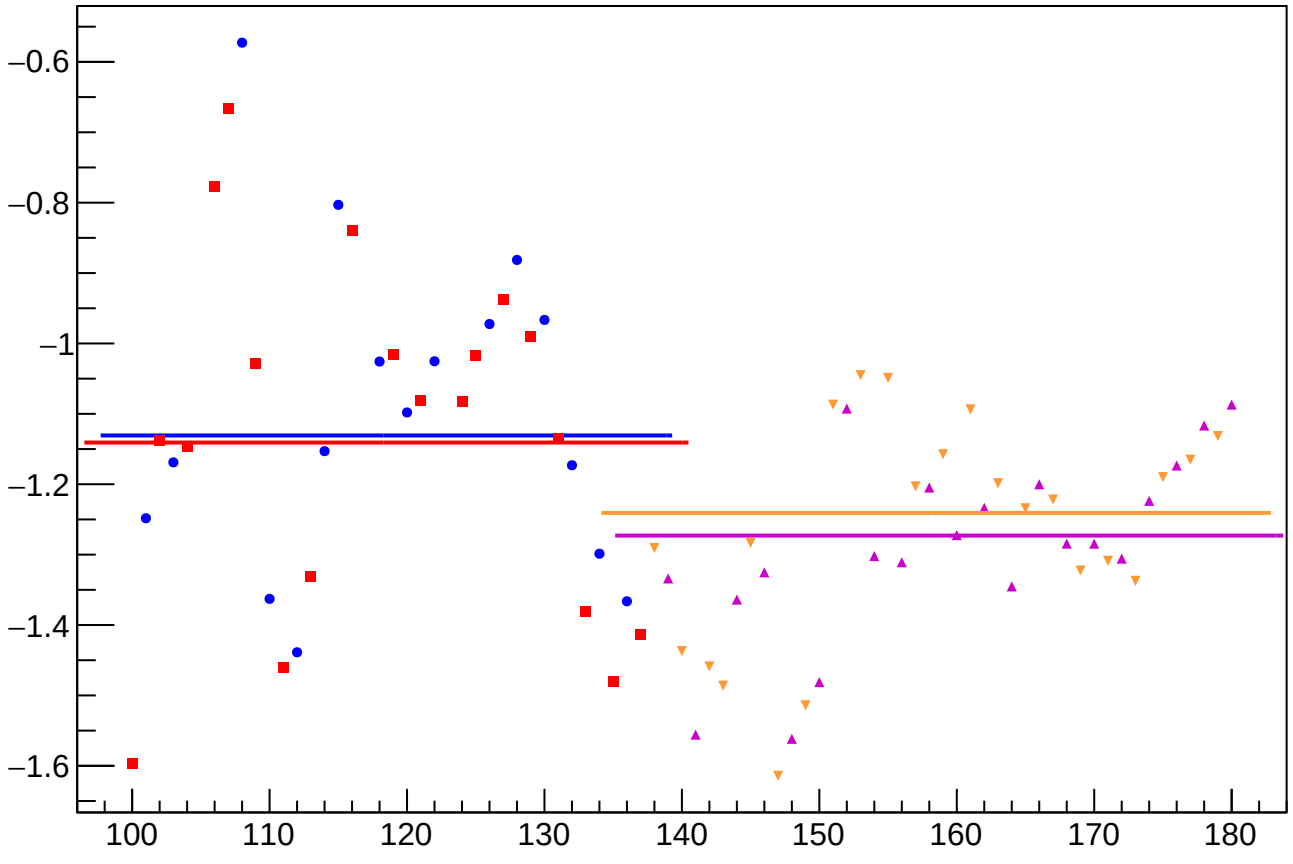
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:284256.1/20

+ sign 0.012+/-0.000 χ^2/NDF: 435797.0/37

All: 0.012+/-0.000 χ^2/NDF: 911754.2/77

- 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: -1.241+/-0.000 χ^2/NDF:4915707257.1/21

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

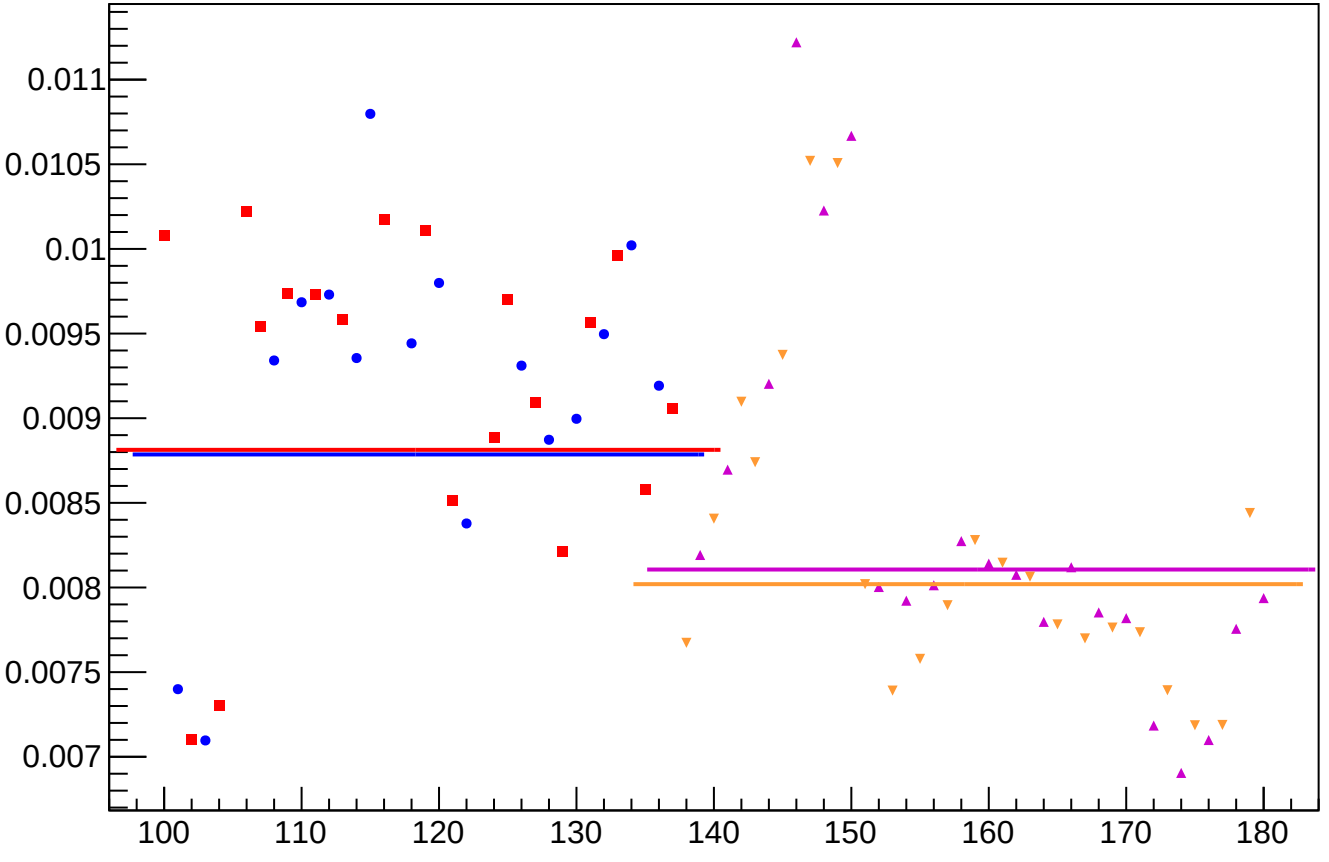
Left In: -1.273+/-0.000 χ^2/NDF:3495916003.7/20

+ sign -1.212+/-0.000 χ^2/NDF: 9500317148.4/37

All: -1.225+/-0.000 χ^2/NDF: 17792137227.6/

- 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:298071.4/21

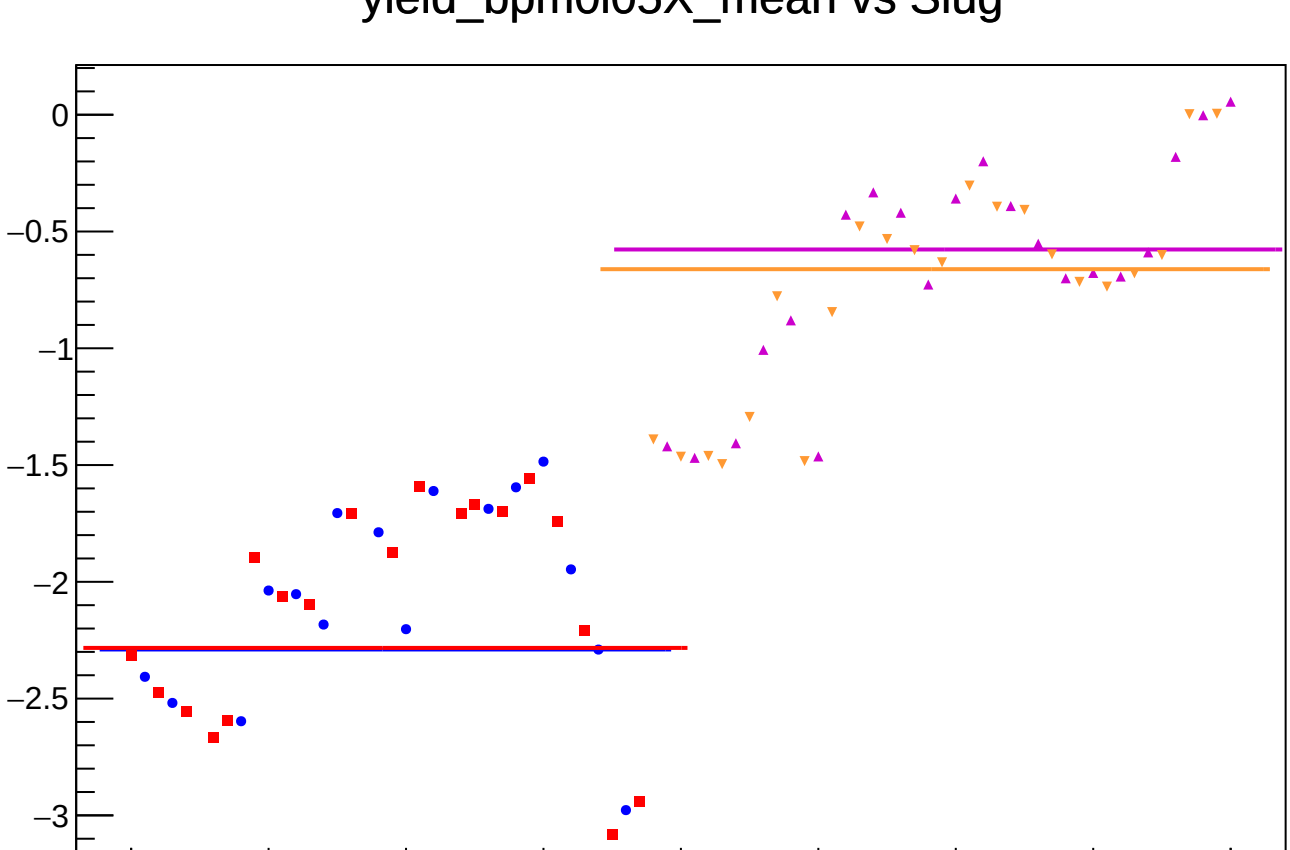
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:403141.0/20

+ sign 0.008+/-0.000 χ^2/NDF: 548622.2/37

All: 0.008+/-0.000 χ^2/NDF: 1223585.8/77

- sign 0.008+/-0.000 χ^2/NDF: 672990.4/39



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.661+/-0.000 χ^2/NDF:57155135744.1/21

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

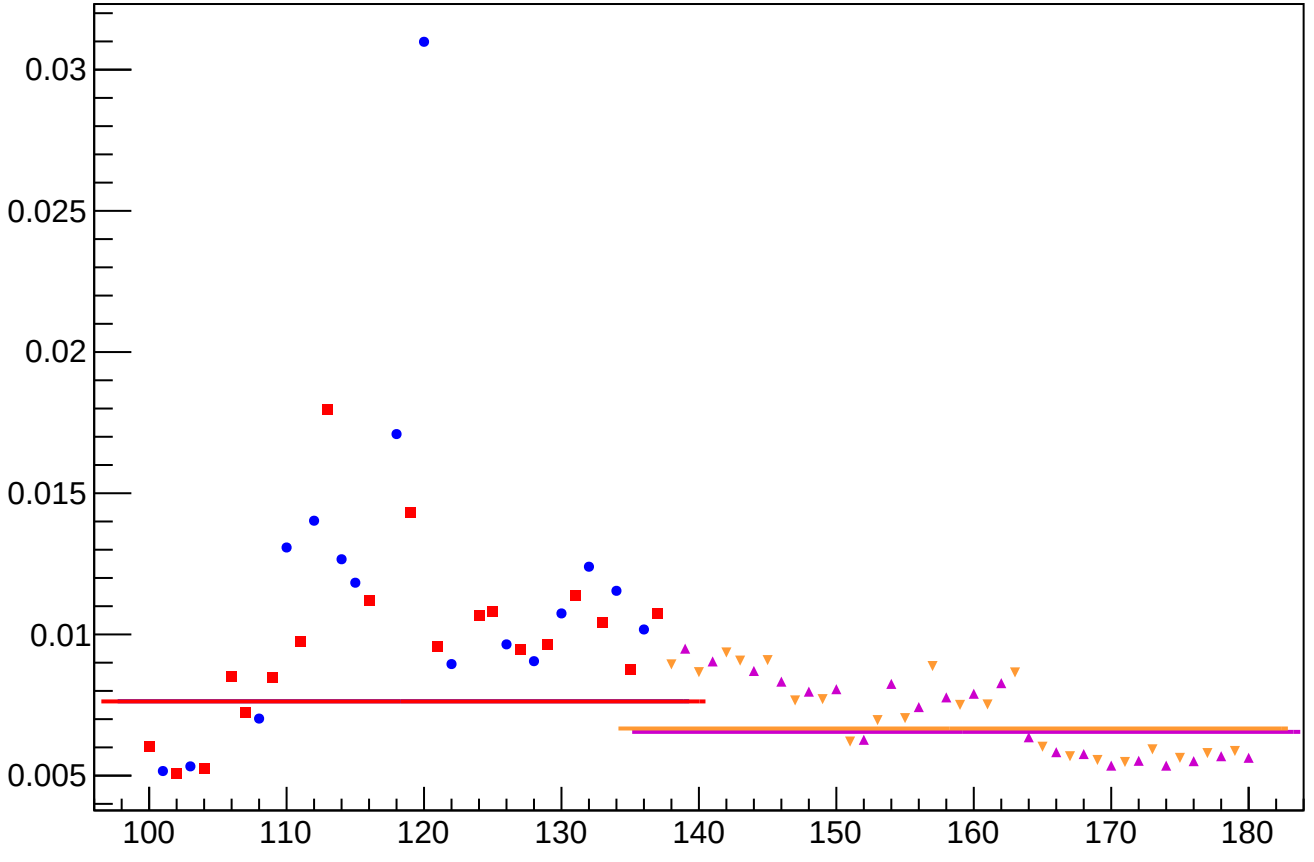
Left In: -0.577+/-0.000 χ^2/NDF:61511033986.3/20

+ sign -0.995+/-0.000 χ^2/NDF: 256290981039.9/37

All: -0.969+/-0.000 χ^2/NDF: 552930784143.1

- sign -0.945+/-0.000 χ^2/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:1019652.2/21

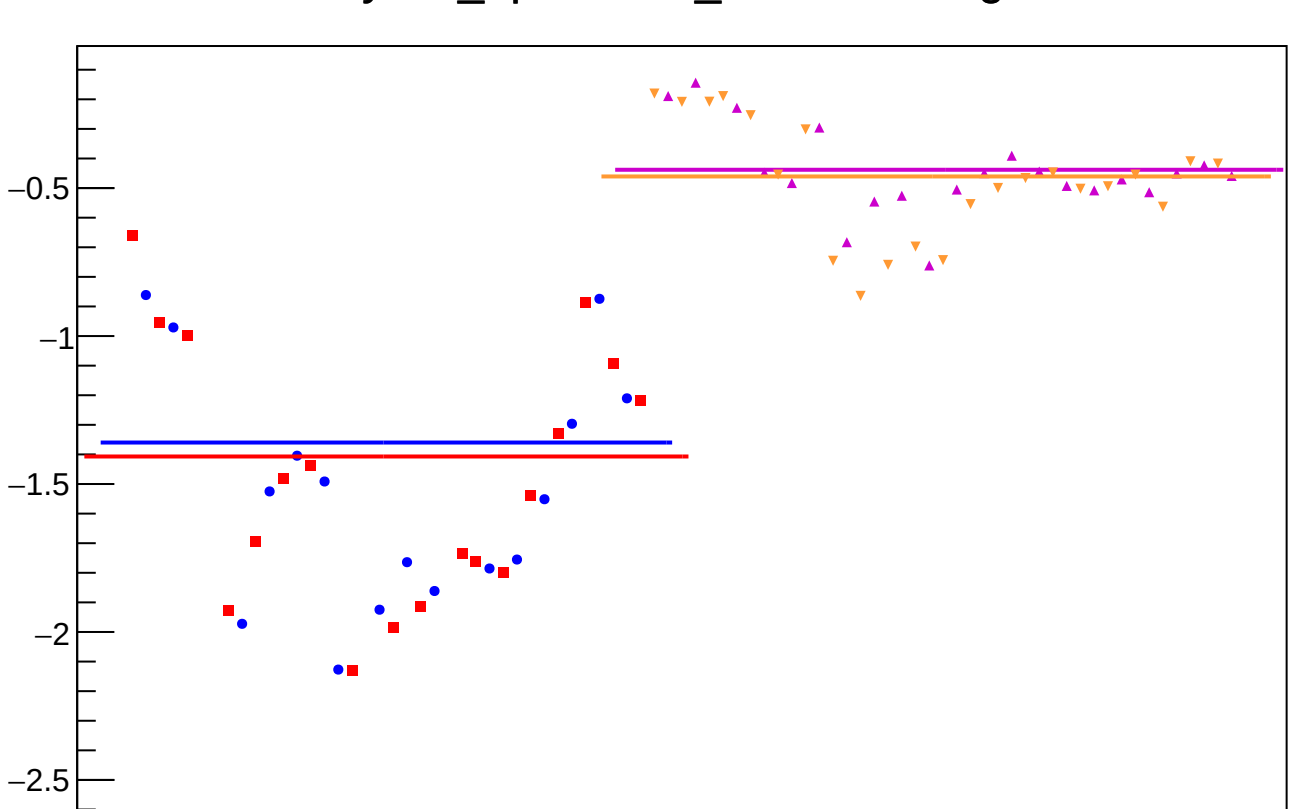
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1145271.2/20

+ sign 0.007+/-0.000 χ^2/NDF: 2859342.8/37

All: 0.007+/-0.000 χ^2/NDF: 5499186.1/77

- 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: -0.461+/-0.000 χ^2/NDF:28619472457.7/21

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

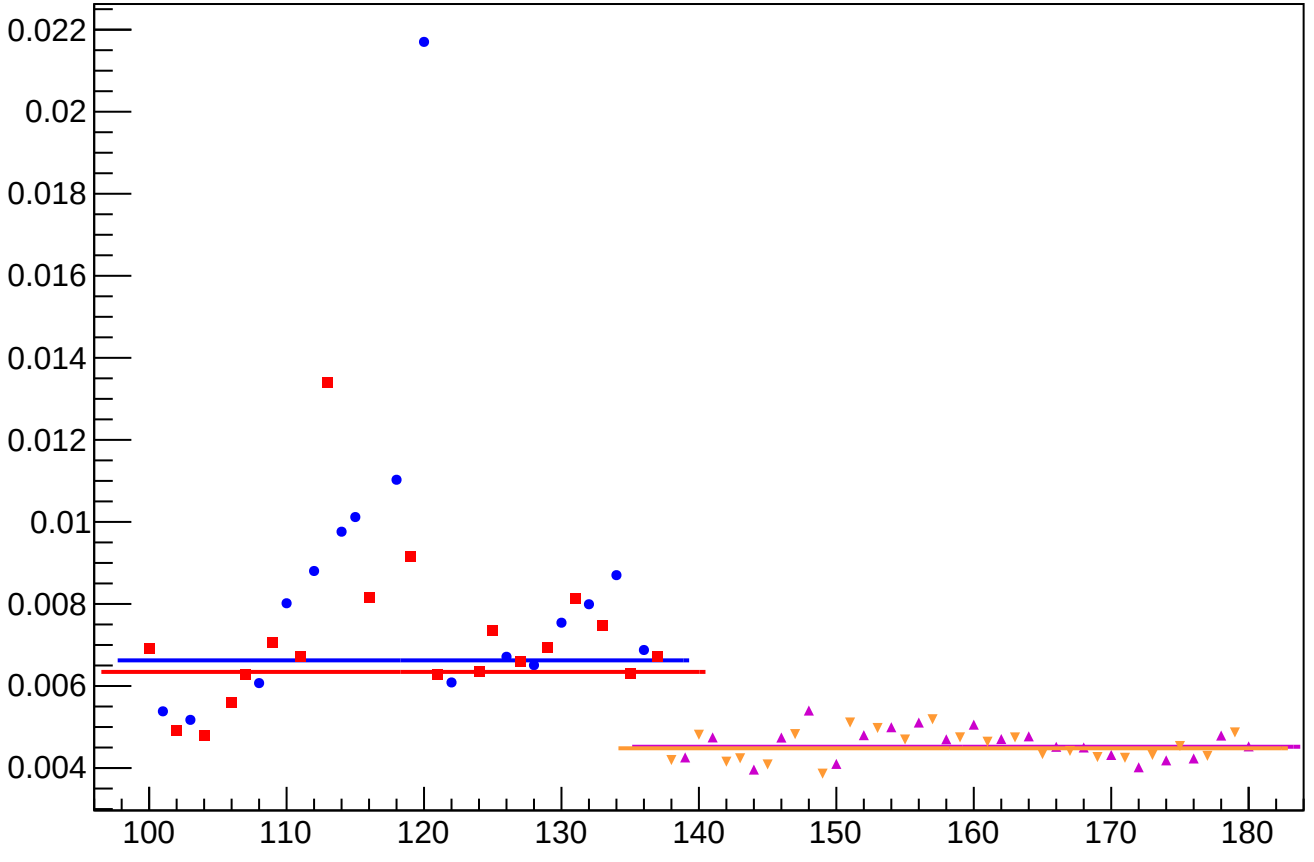
Left In: -0.438+/-0.000 χ^2/NDF:16453471460.4/20

+ sign -0.589+/-0.000 χ^2/NDF: 141501104476.7/37

All: -0.594+/-0.000 χ^2/NDF: 306973779251.3

- 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:182534.8/21

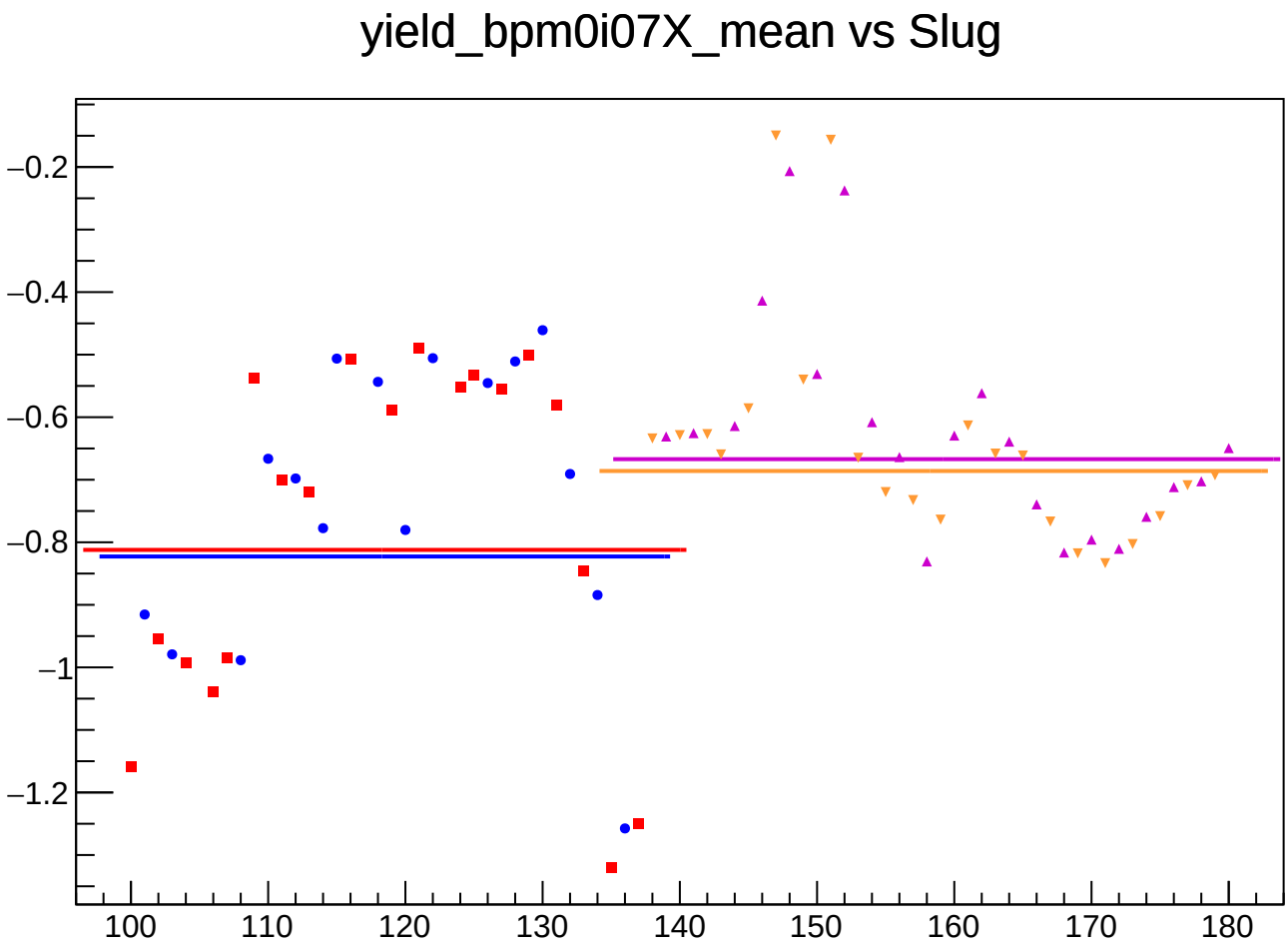
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:208505.9/20

+ sign 0.005+/-0.000 χ^2/NDF: 1914978.4/37

All: 0.005+/-0.000 χ^2/NDF: 3498532.2/77

- 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: -0.686+/-0.000 χ^2/NDF:22330337381.0/21

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

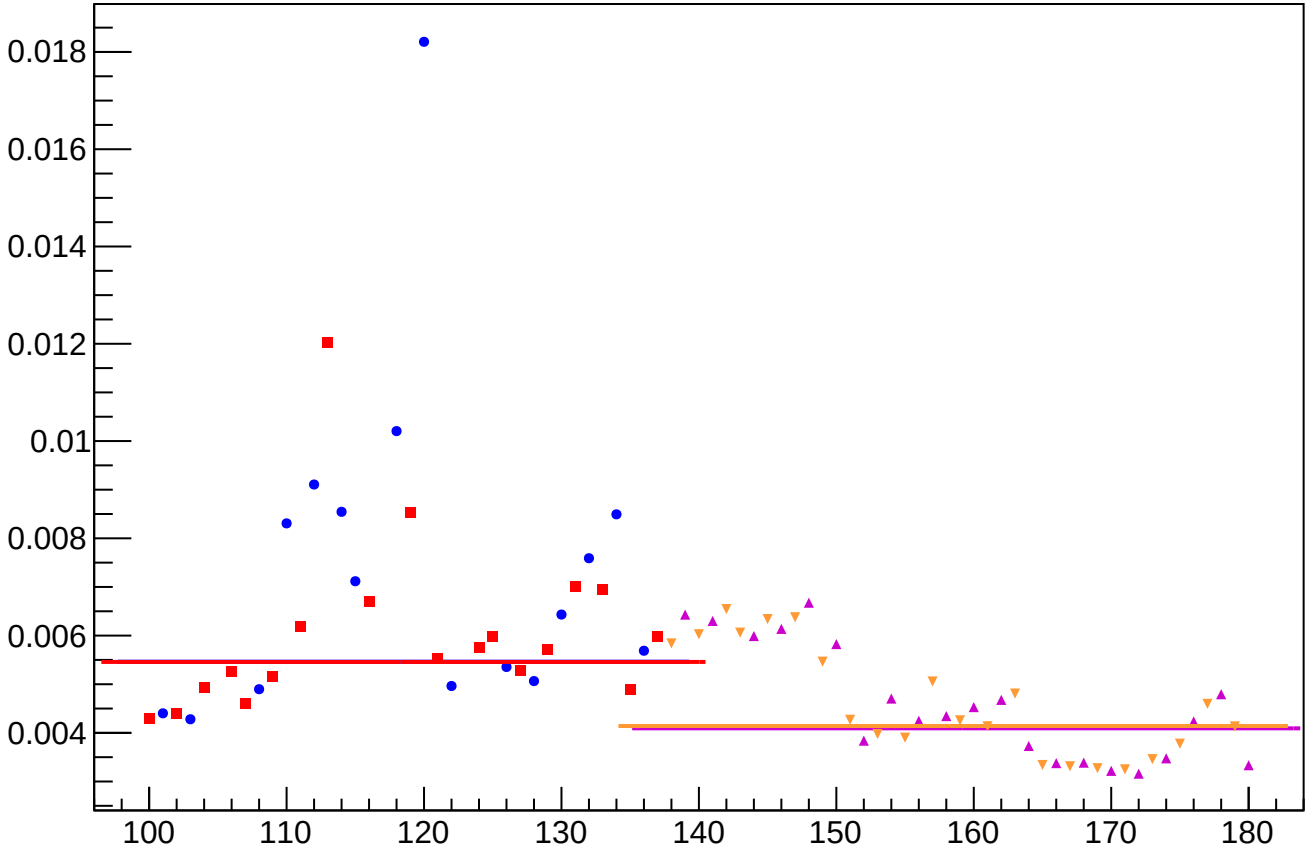
Left In: -0.667+/-0.000 χ^2/NDF:22520575744.4/20

+ sign -0.710+/-0.000 χ^2/NDF: 37405359878.9/37

All: -0.702+/-0.000 χ^2/NDF: 78341360593.5/

- 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:1502799.5/21

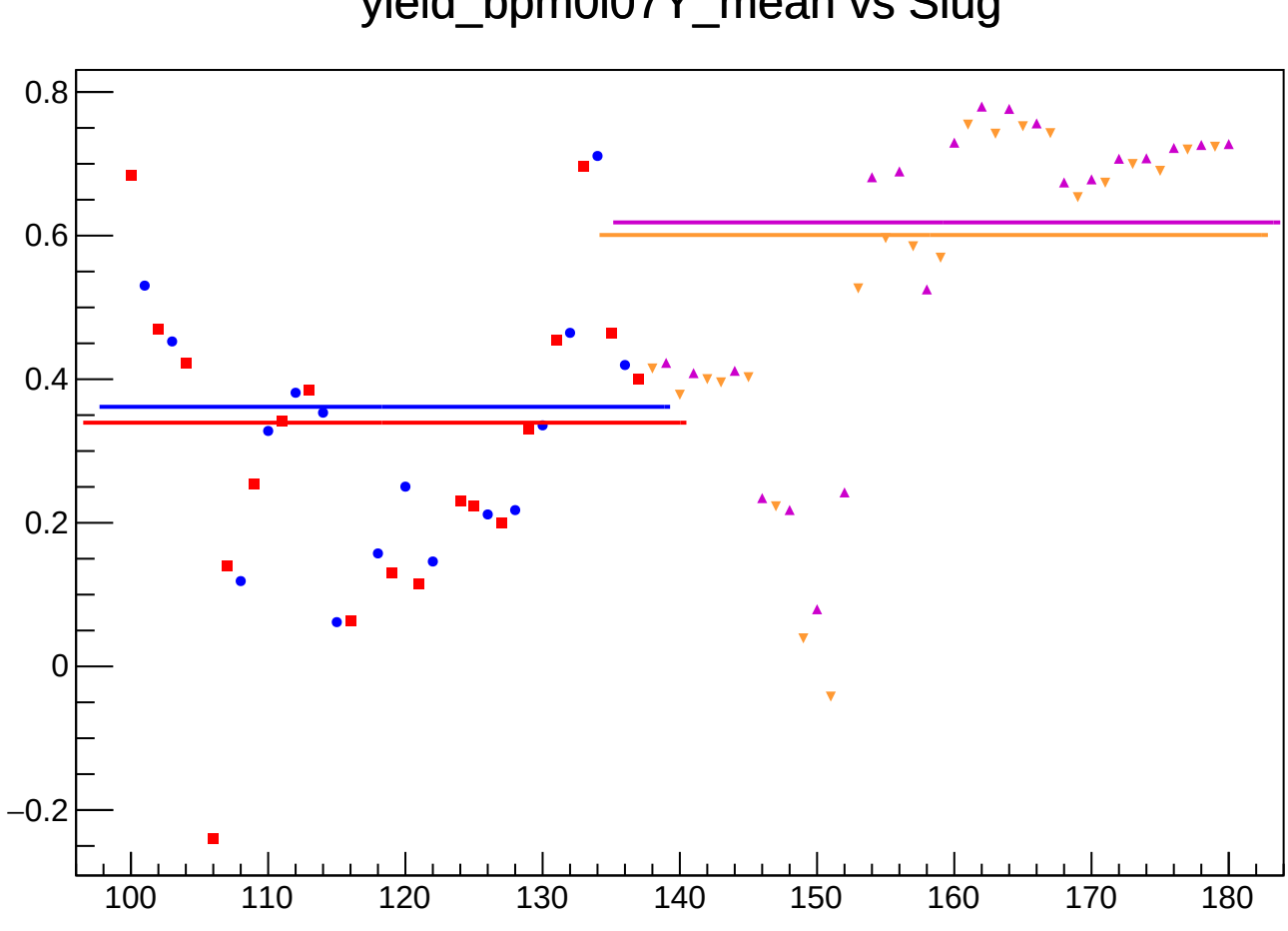
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1731804.5/20

+ sign 0.004+/-0.000 χ^2/NDF: 2996833.4/37

All: 0.004+/-0.000 χ^2/NDF: 5849303.0/77

- 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: 0.601+/-0.000 χ^2/NDF:43857412144.0/21

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

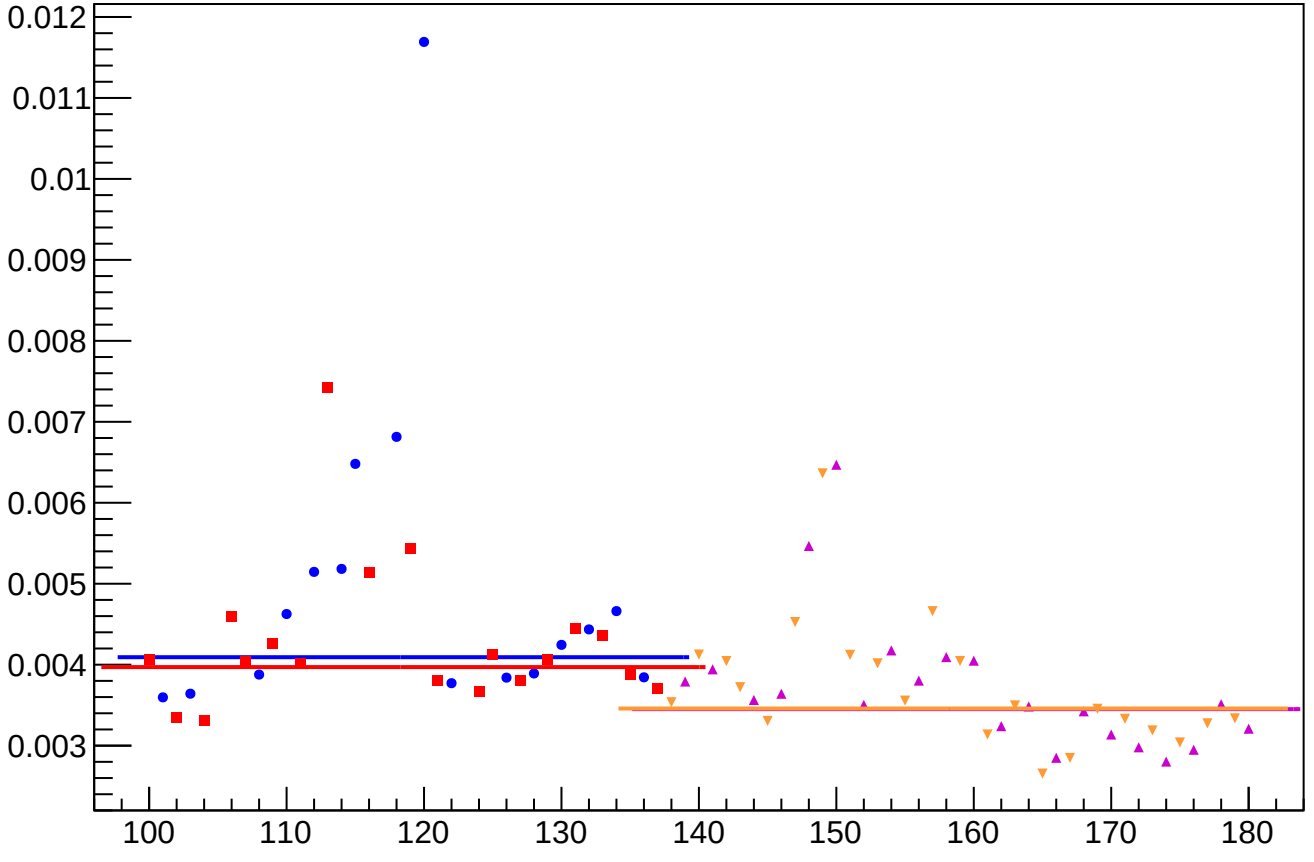
Left In: 0.618+/-0.000 χ^2/NDF:39470674949.3/20

+ sign 0.545+/-0.000 χ^2/NDF: 68713222058.8/37

All: 0.547+/-0.000 χ^2/NDF: 143903922518.0

- 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:809314.4/21

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: 1526780.1/37

All: 0.004+/-0.000 χ^2/NDF: 2878986.6/77

- sign 0.004+/-0.000 χ^2/NDF: 1351318.5/39

yield_bpm1i02X_mean vs Slug

Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.335+/-0.000 χ^2/NDF:1916404238.0/21

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

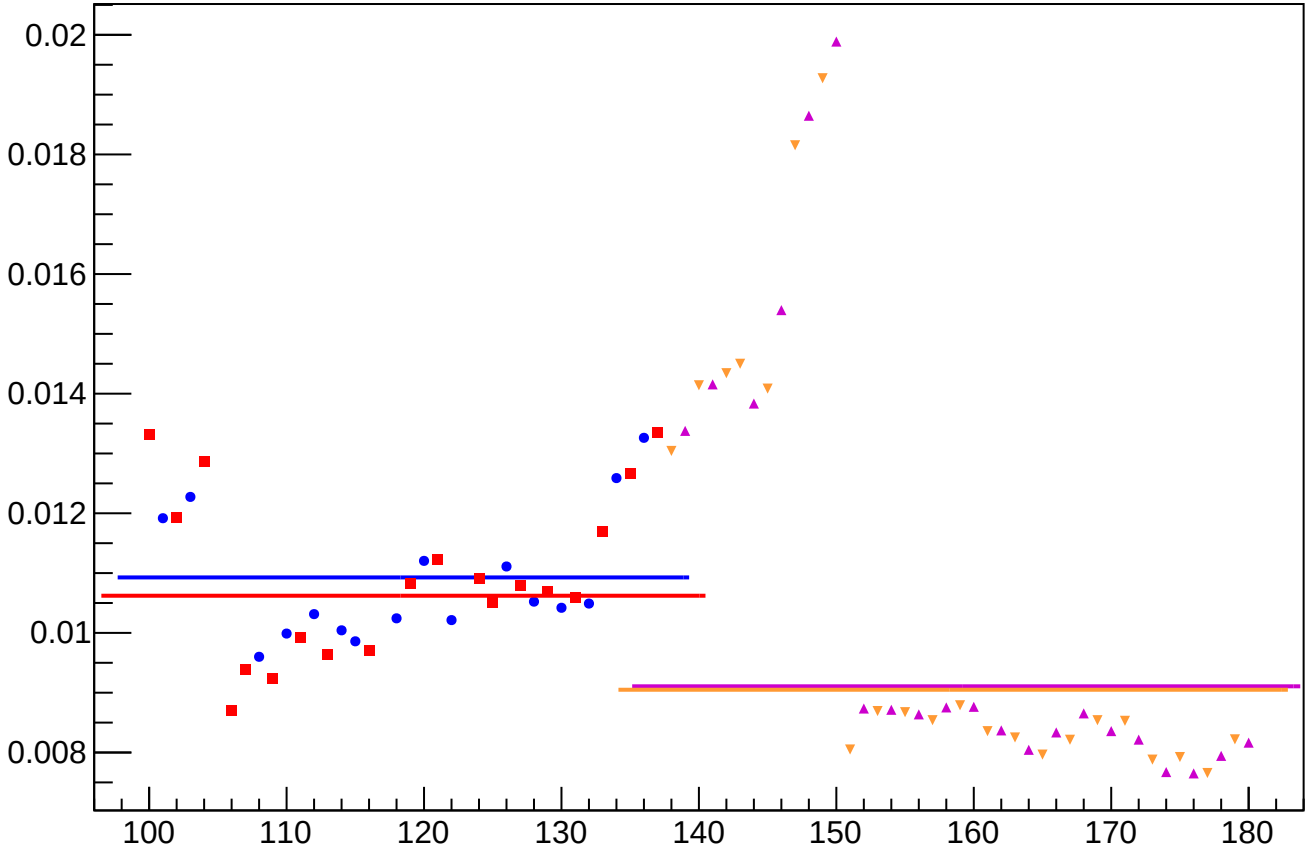
Left In: -2.340+/-0.000 χ^2/NDF:1592335074.5/20

+ sign -1.819+/-0.000 χ^2/NDF: 237846338959.9/37

All: -1.799+/-0.000 χ^2/NDF: 488397437653.5

- 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:2047860.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

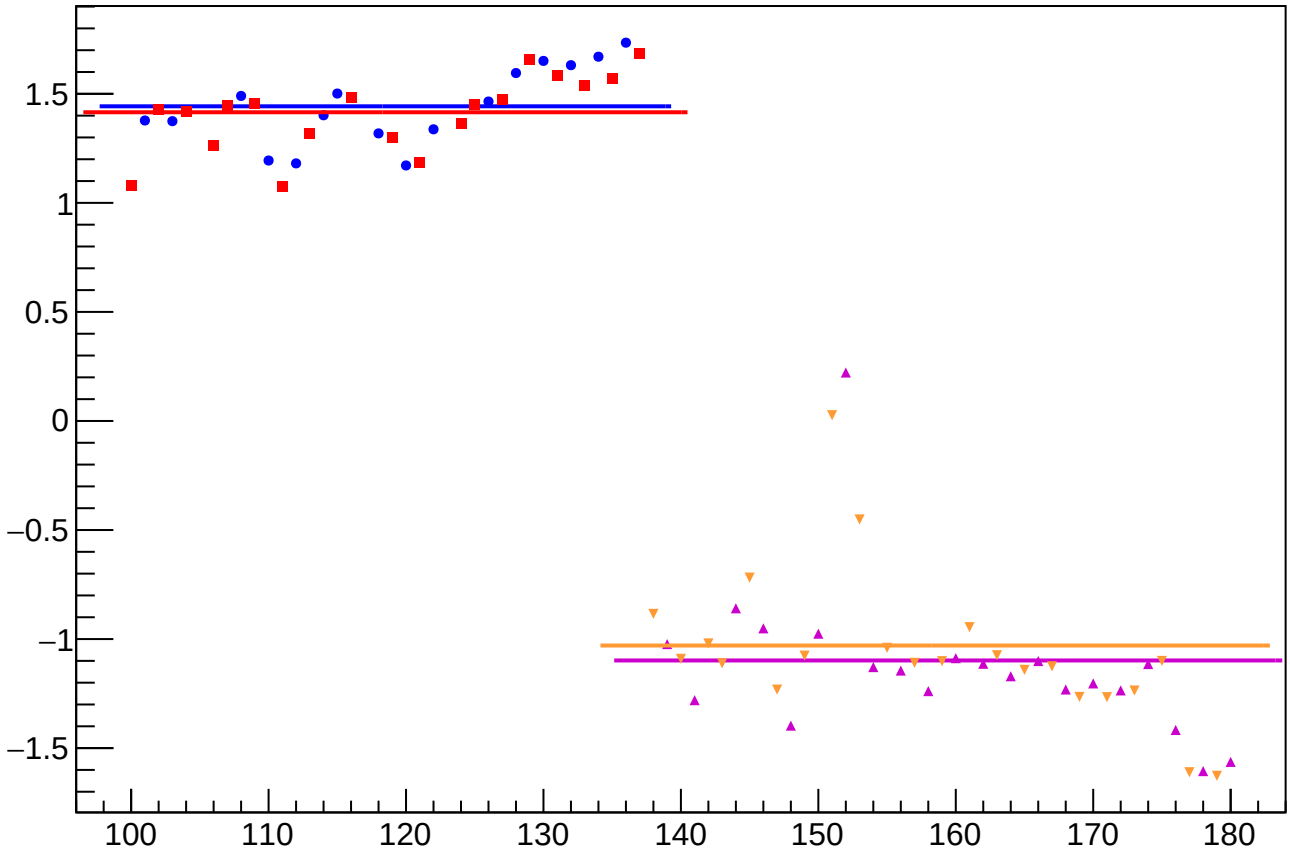
Left In: 0.009+/-0.000 χ^2/NDF:2125761.7/20

+ sign 0.009+/-0.000 χ^2/NDF: 2508150.2/37

All: 0.009+/-0.000 χ^2/NDF: 5048643.1/77

- sign 0.009+/-0.000 χ^2/NDF: 2540482.1/39

yield_bpm1i02Y_mean vs Slug



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.030+/-0.000 χ^2/NDF:48960368955.8/21

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

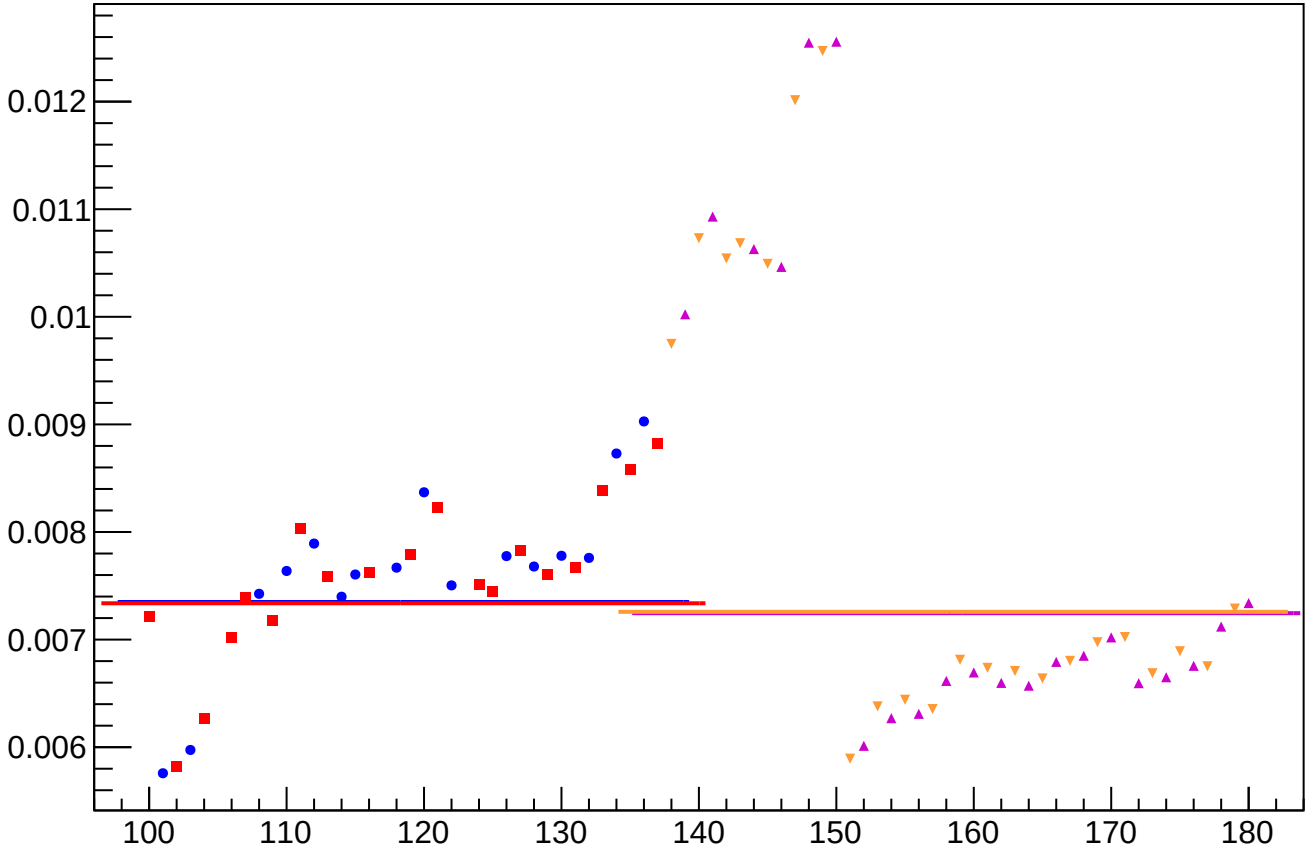
Left In: -1.098+/-0.000 χ^2/NDF:53656525026.2/20

+ sign -0.305+/-0.000 χ^2/NDF: 617811236873.0/37

All: -0.318+/-0.000 χ^2/NDF: 1275784835749

- 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:1487136.1/21

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

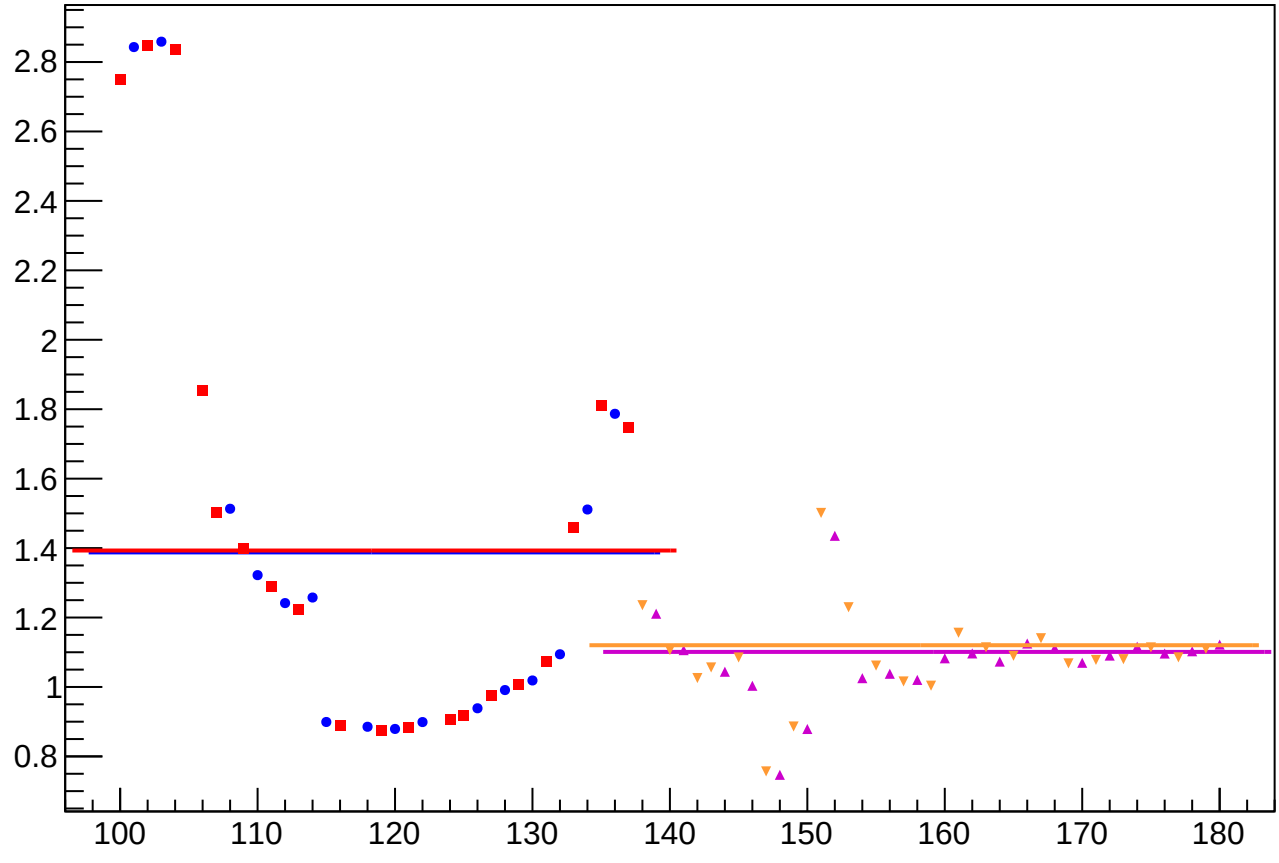
Left In: 0.007+/-0.000 χ^2/NDF:1554104.3/20

+ sign 0.007+/-0.000 χ^2/NDF: 1759537.1/37

All: 0.007+/-0.000 χ^2/NDF: 3510679.4/77

- 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:5511825076.4/21

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

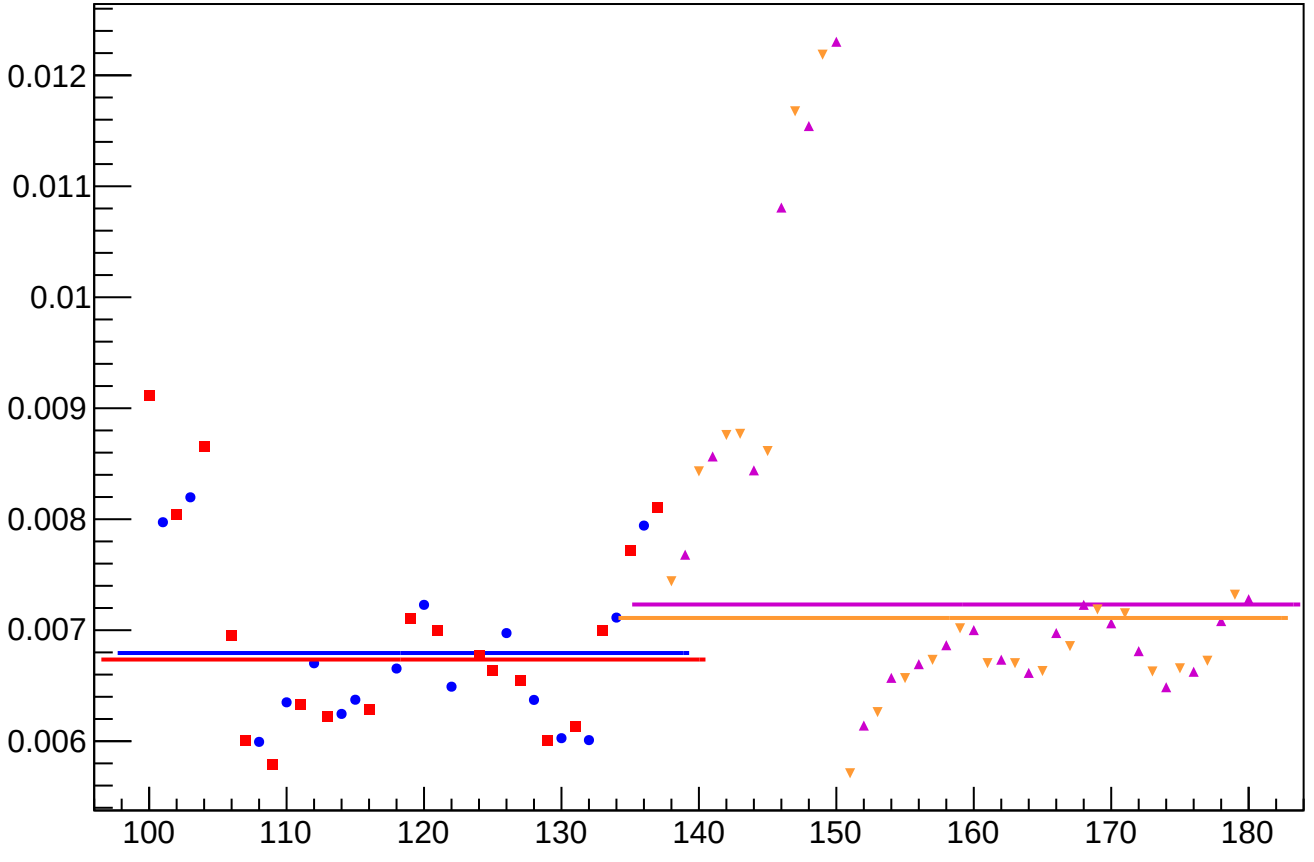
Left In: 1.101+/-0.000 χ^2/NDF:4193835936.2/20

+ sign 1.206+/-0.000 χ^2/NDF: 71611707389.7/37

All: 1.203+/-0.000 χ^2/NDF: 140300022551.0

- 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:850840.9/21

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

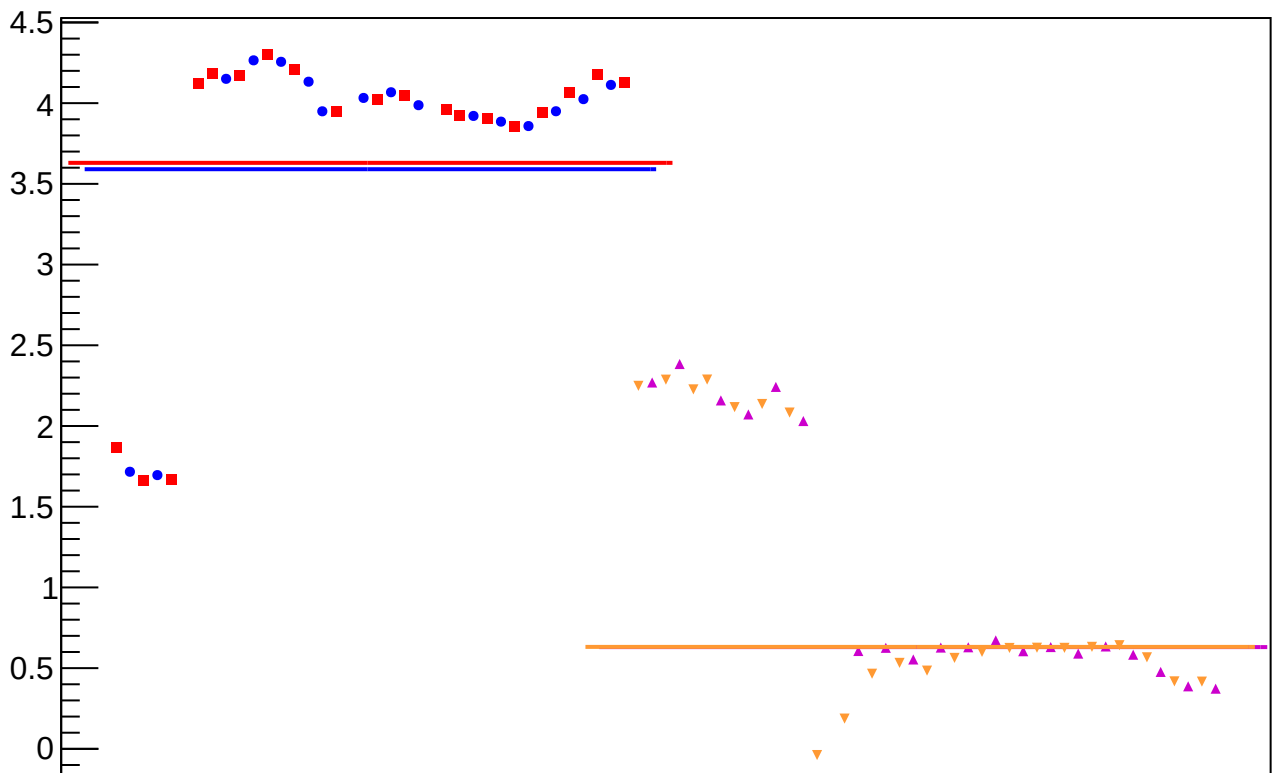
Left In: 0.007+/-0.000 χ^2/NDF:909485.9/20

+ sign 0.007+/-0.000 χ^2/NDF: 1036199.2/37

All: 0.007+/-0.000 χ^2/NDF: 2198162.0/77

- 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: 0.632+/-0.000 χ^2/NDF:249418925747.9/21

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

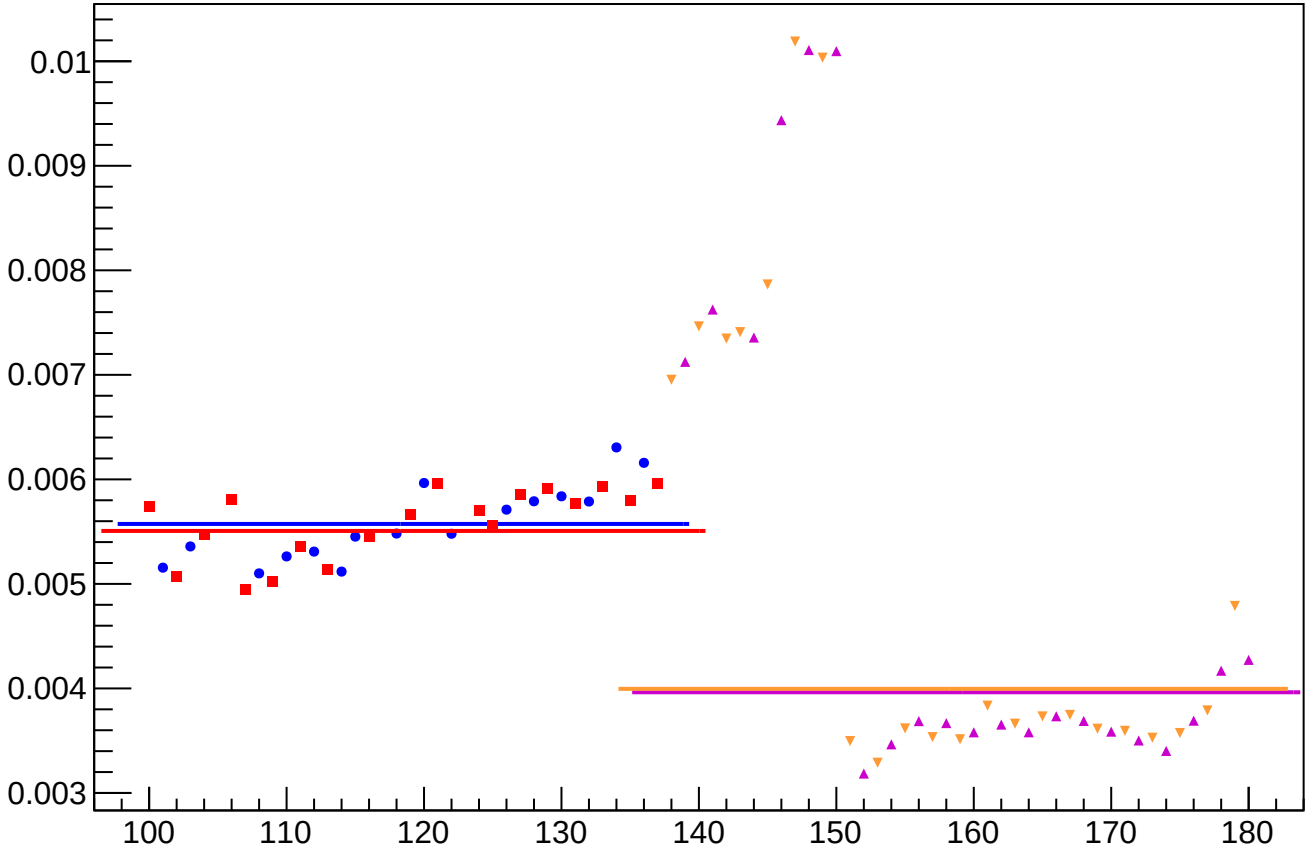
Left In: 0.630+/-0.000 χ^2/NDF:251889151874.3/20

+ sign 1.206+/-0.000 χ^2/NDF: 2079906156176.1/37

All: 1.218+/-0.000 χ^2/NDF: 4278873269540.

- 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:2942133.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

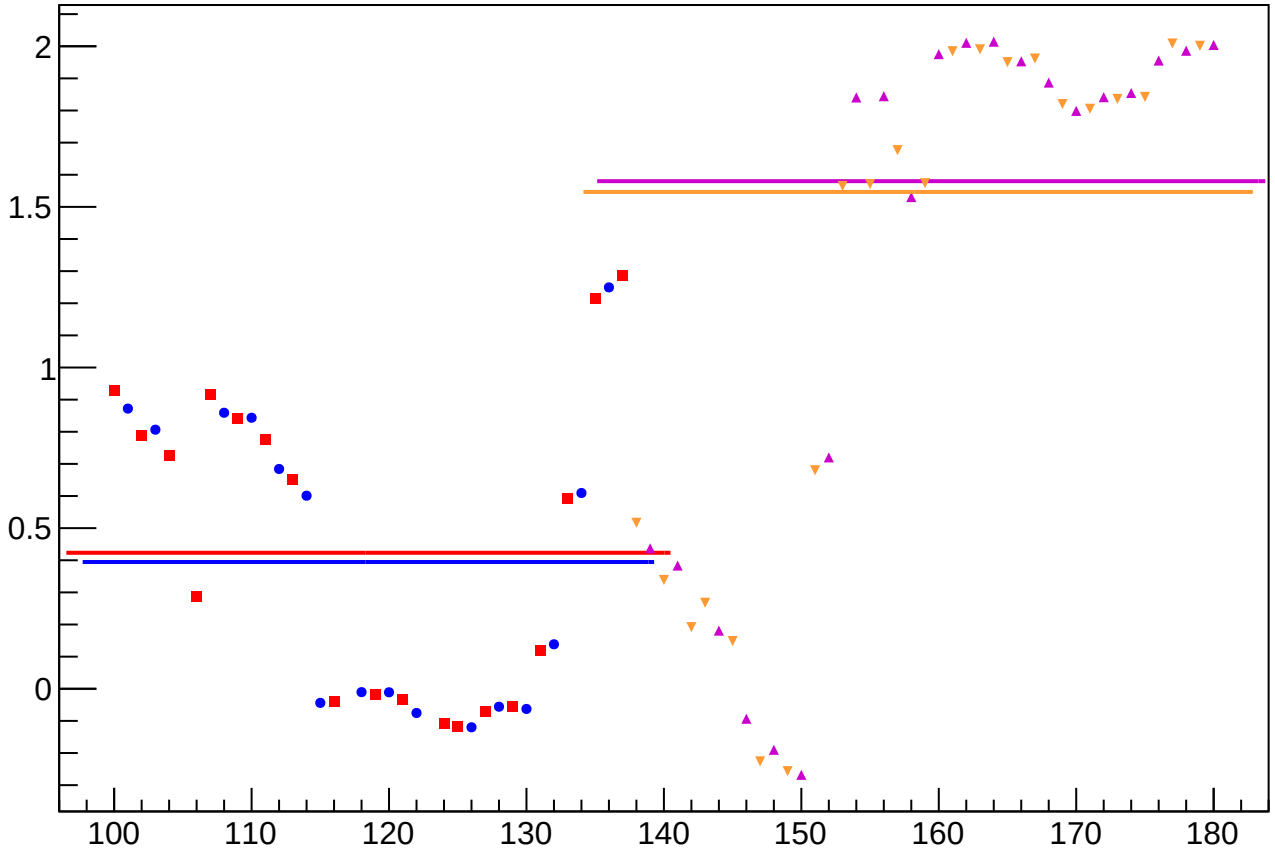
Left In: 0.004+/-0.000 χ^2/NDF:3118139.1/20

+ sign 0.004+/-0.000 χ^2/NDF: 3926826.8/37

All: 0.004+/-0.000 χ^2/NDF: 8021629.6/77

- sign 0.004+/-0.000 χ^2/NDF: 4093685.3/39

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.547+/-0.000 χ^2/NDF:59140103898.8/21

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

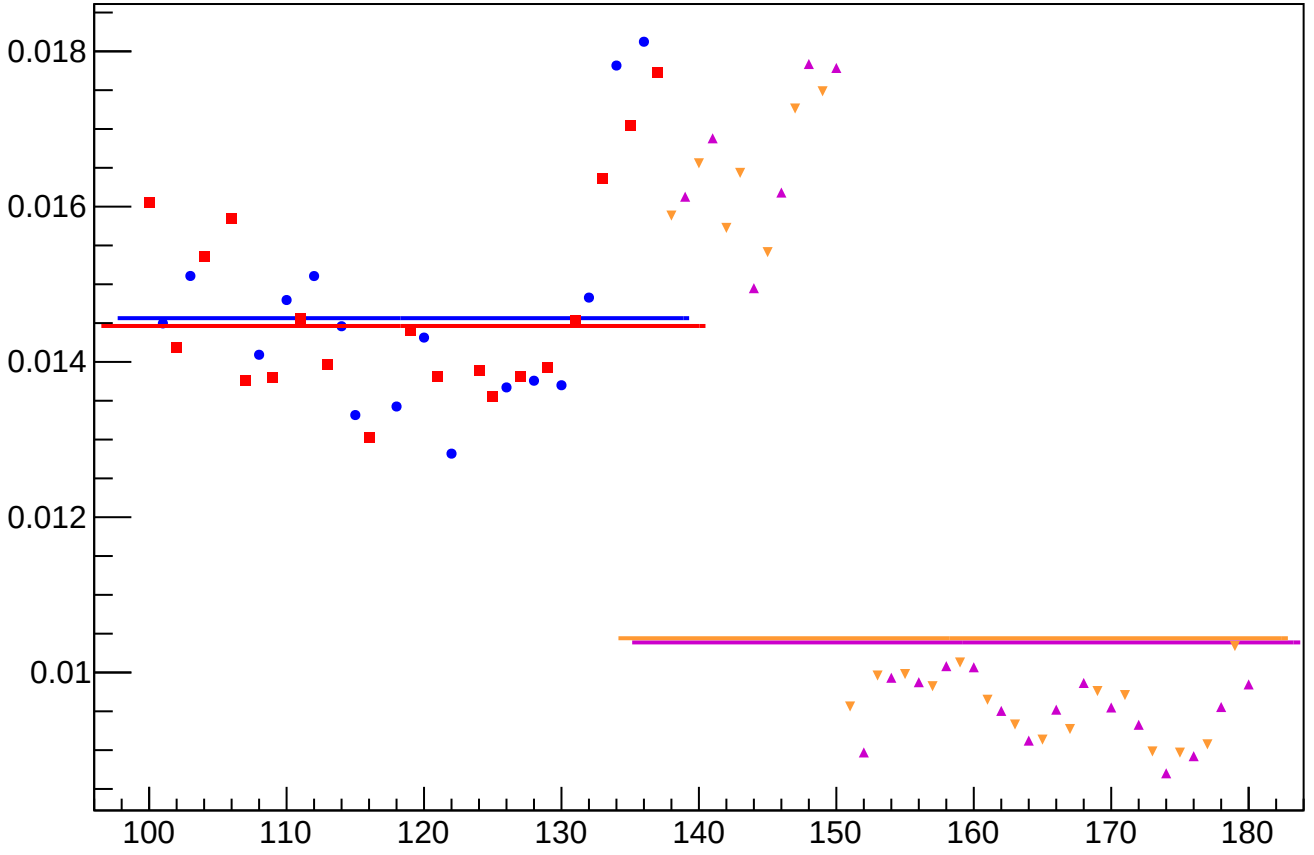
Left In: 1.580+/-0.000 χ^2/NDF:64567344836.6/20

+ sign 1.337+/-0.000 χ^2/NDF: 102876717632.7/37

All: 1.350+/-0.000 χ^2/NDF: 212242647382.7

- 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:1658410.8/21

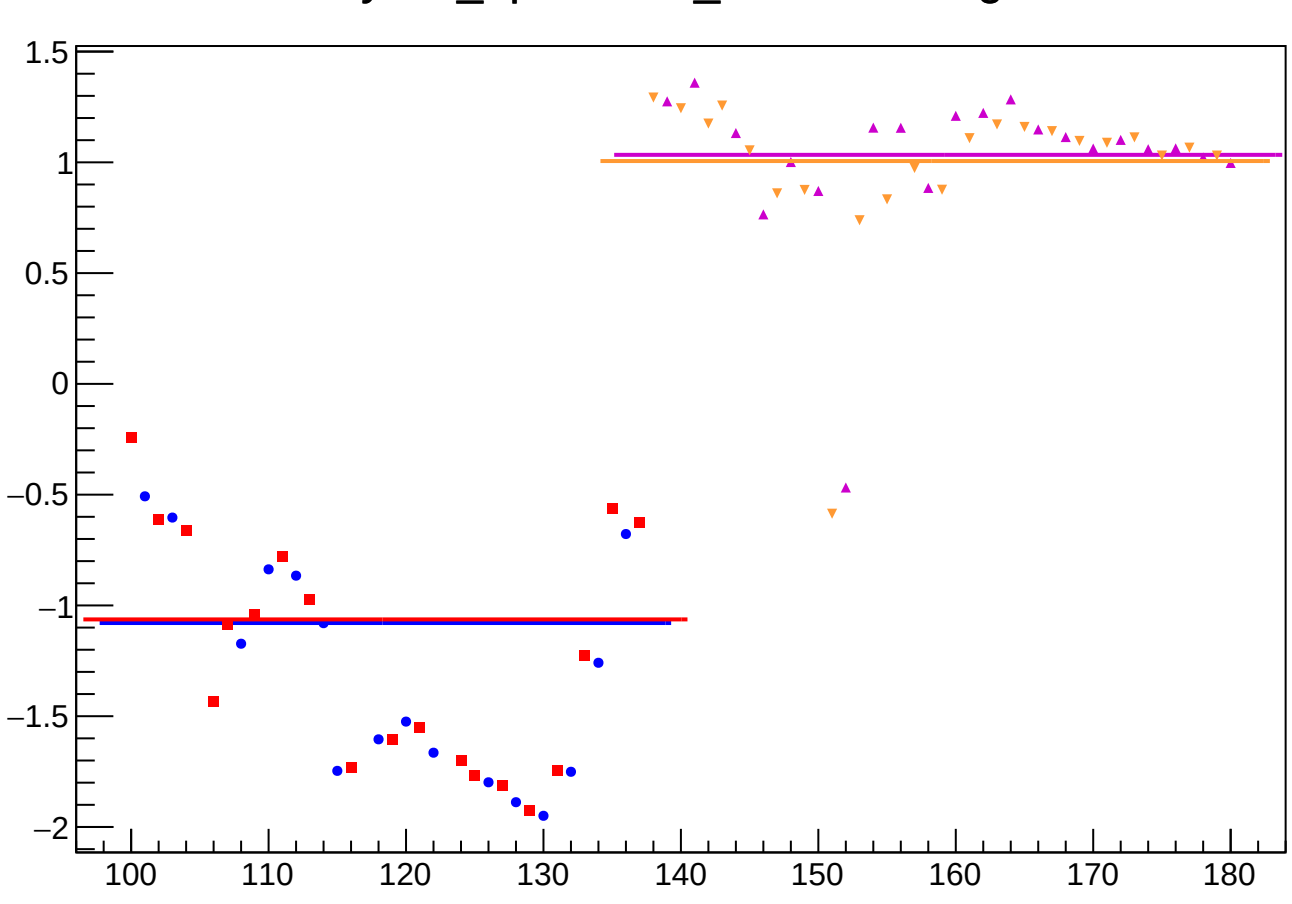
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1709984.4/20

+ sign 0.011+/-0.000 χ^2/NDF: 2721853.6/37

All: 0.011+/-0.000 χ^2/NDF: 5448794.1/77

- 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: 1.006+/-0.000 χ^2/NDF:110848674833.1/21

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

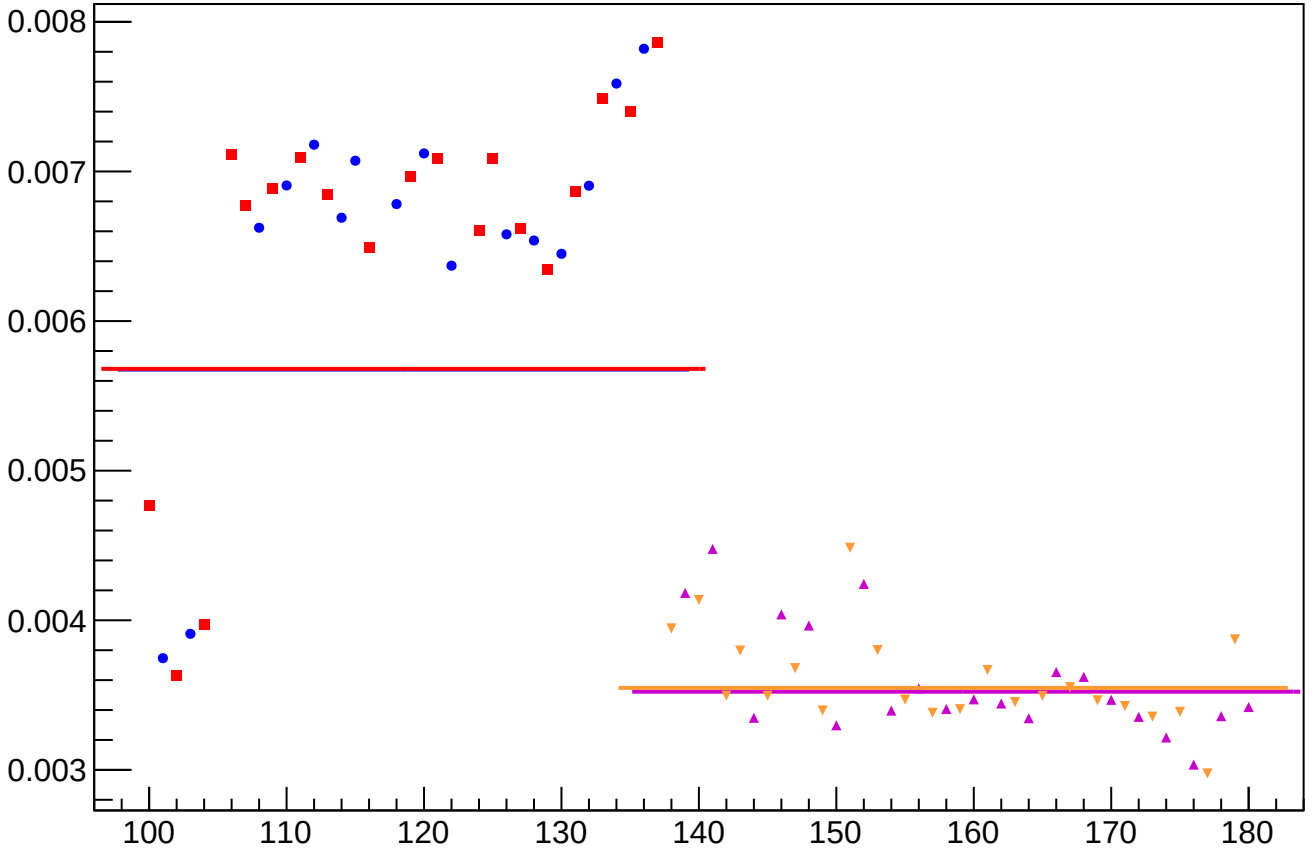
Left In: 1.034+/-0.000 χ^2/NDF:125375035320.7/20

+ sign 0.723+/-0.000 χ^2/NDF: 913282872676.5/37

All: 0.734+/-0.000 χ^2/NDF: 1846850968331.

- 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:211886.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

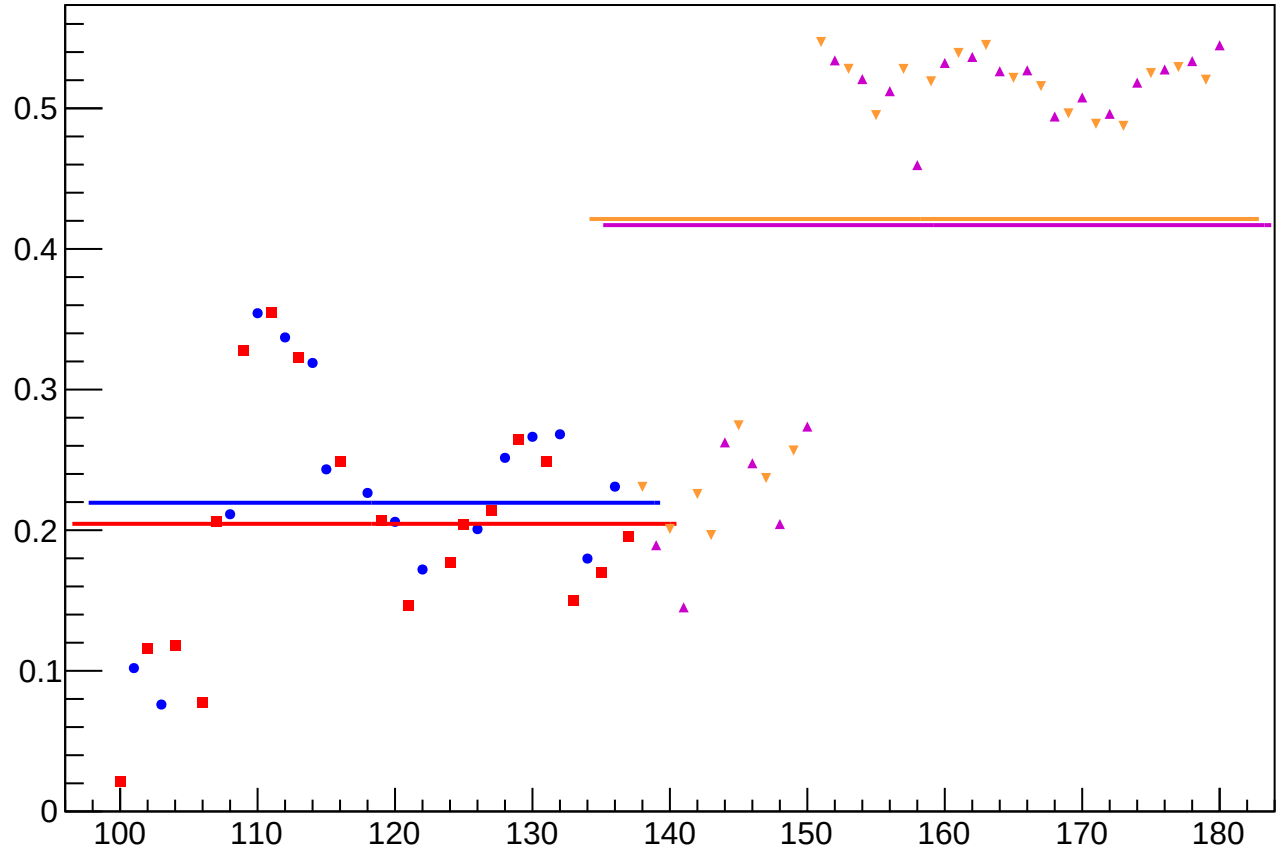
Left In: 0.004+/-0.000 χ^2/NDF:277763.7/20

+ sign 0.004+/-0.000 χ^2/NDF: 2703525.3/37

All: 0.004+/-0.000 χ^2/NDF: 5567558.1/77

- 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: 0.421+/-0.000 χ^2/NDF:149129845916.4/21

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

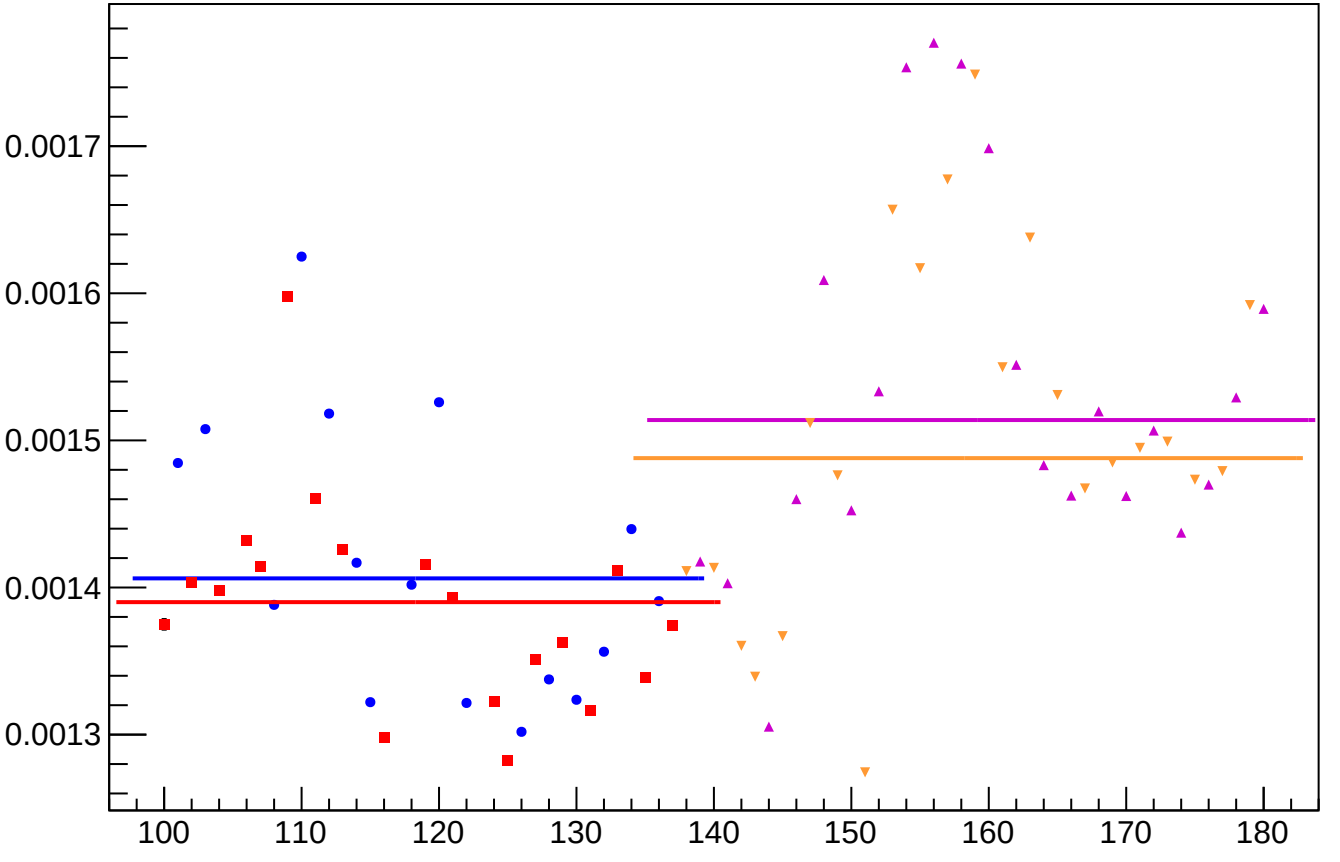
Left In: 0.417+/-0.000 χ^2/NDF:153115851744.3/20

+ sign 0.359+/-0.000 χ^2/NDF: 264295766331.7/37

All: 0.352+/-0.000 χ^2/NDF: 553810606556.0

- 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:208297.2/21

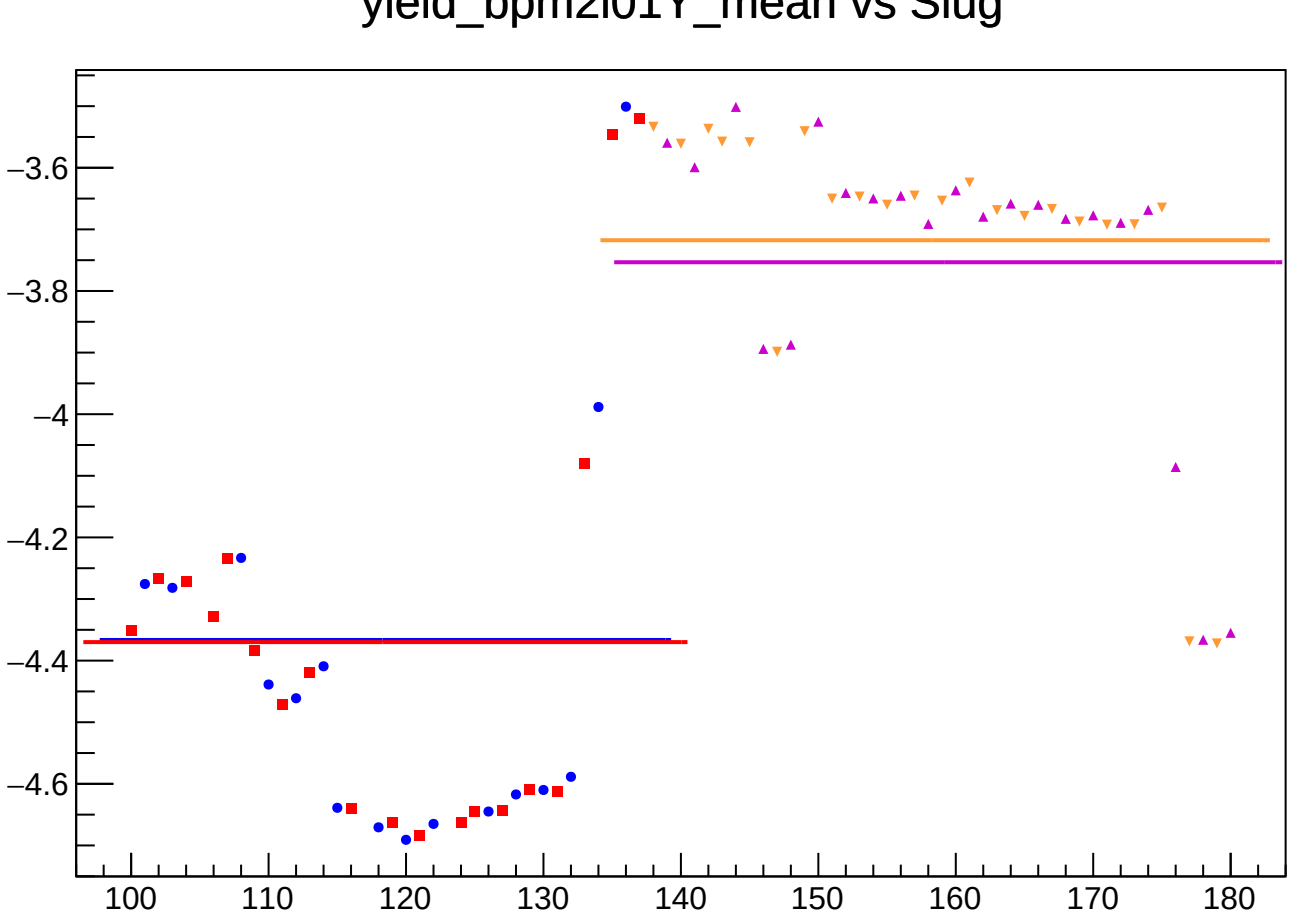
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:209096.7/20

+ sign 0.001+/-0.000 χ^2/NDF: 288800.7/37

All: 0.001+/-0.000 χ^2/NDF: 610409.3/77

- 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: -3.718+/-0.000 χ^2/NDF:305223469627.7/21

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

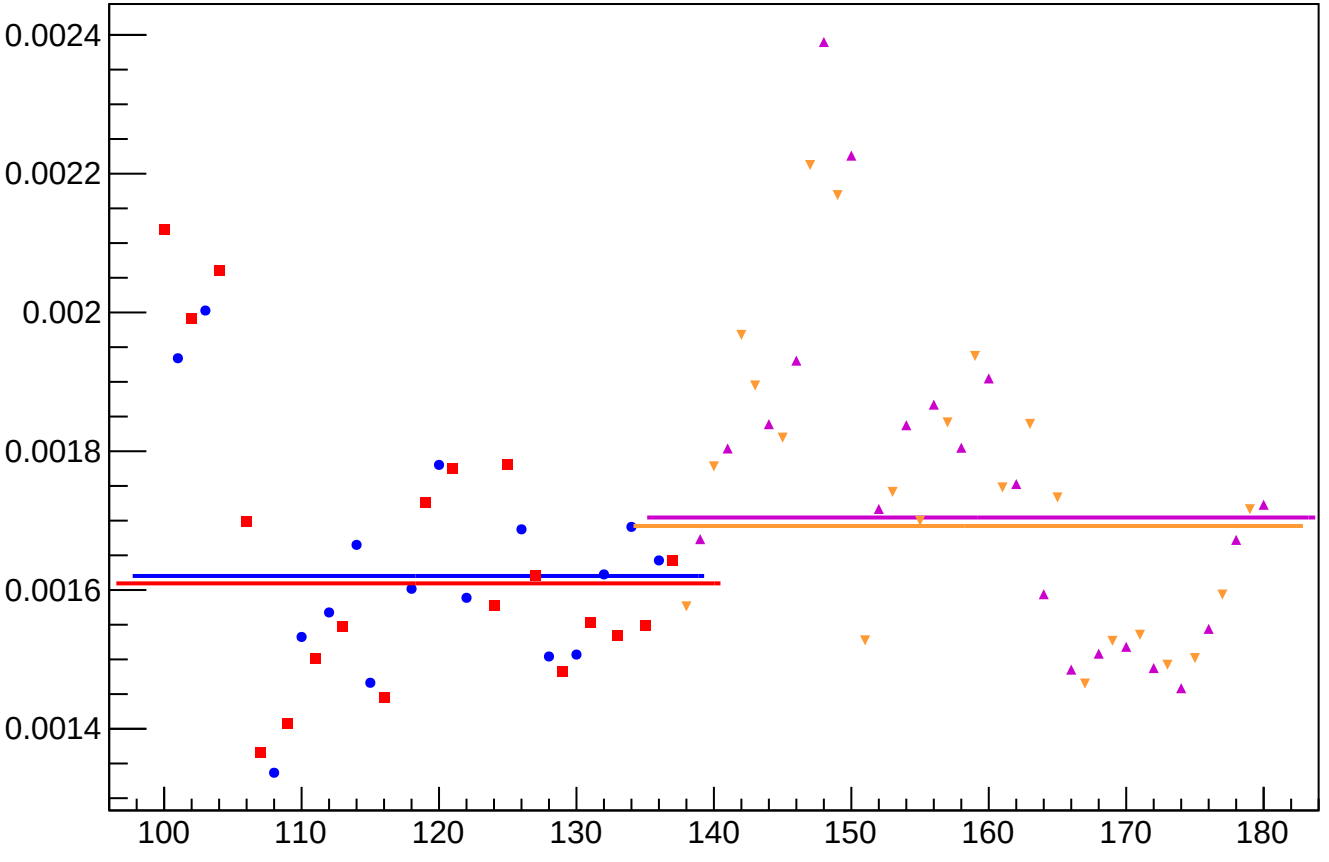
Left In: -3.753+/-0.000 χ^2/NDF:324437609056.6/20

+ sign -3.918+/-0.000 χ^2/NDF: 1420291851059.2/3

All: -3.936+/-0.000 χ^2/NDF: 2751418334795

- sign -3.954+/-0.000 χ^2/NDF: 1325717414003.0/3

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:424512.0/21

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

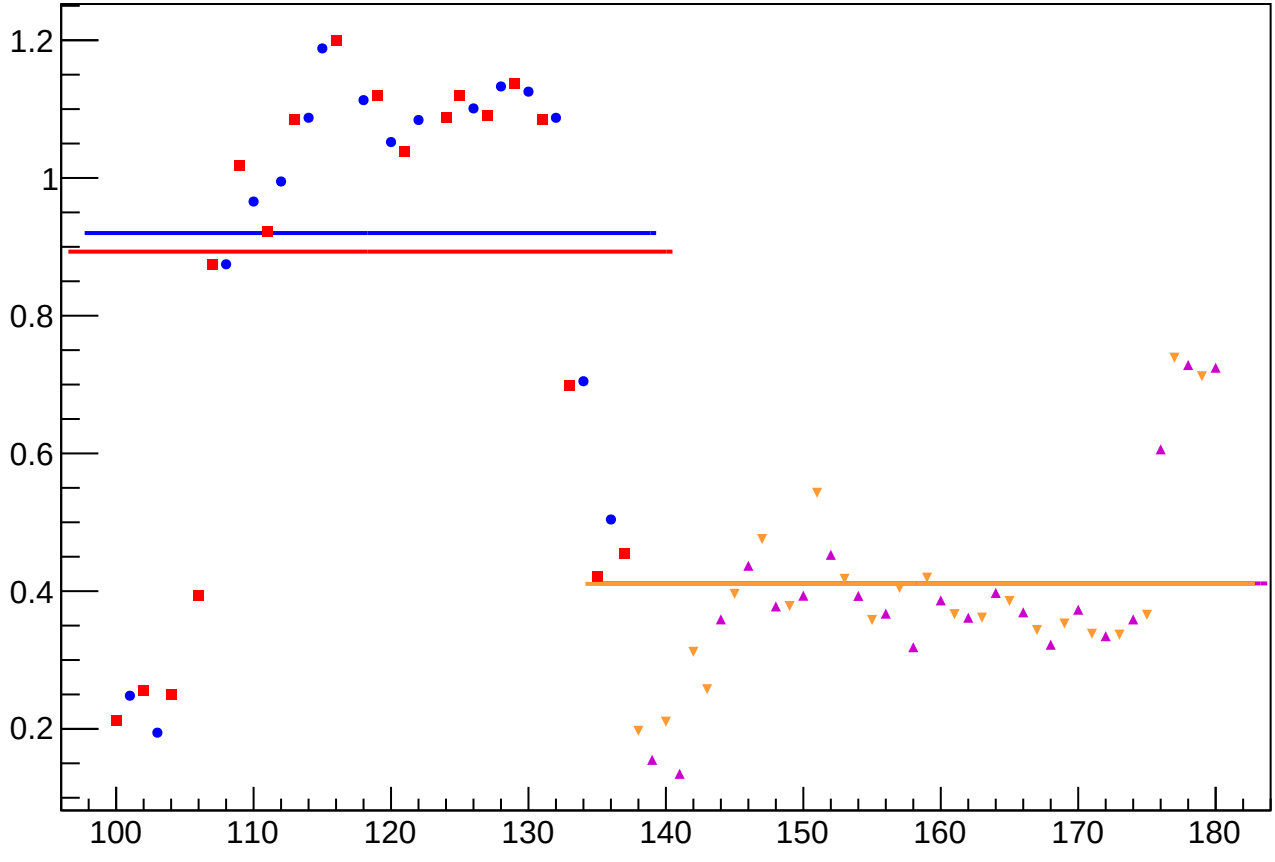
Left In: 0.002+/-0.000 χ^2/NDF:492236.7/20

+ sign 0.002+/-0.000 χ^2/NDF: 583502.3/37

All: 0.002+/-0.000 χ^2/NDF: 1294241.5/77

- 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: 0.411+/-0.000 χ^2/NDF:6249900102.3/21

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

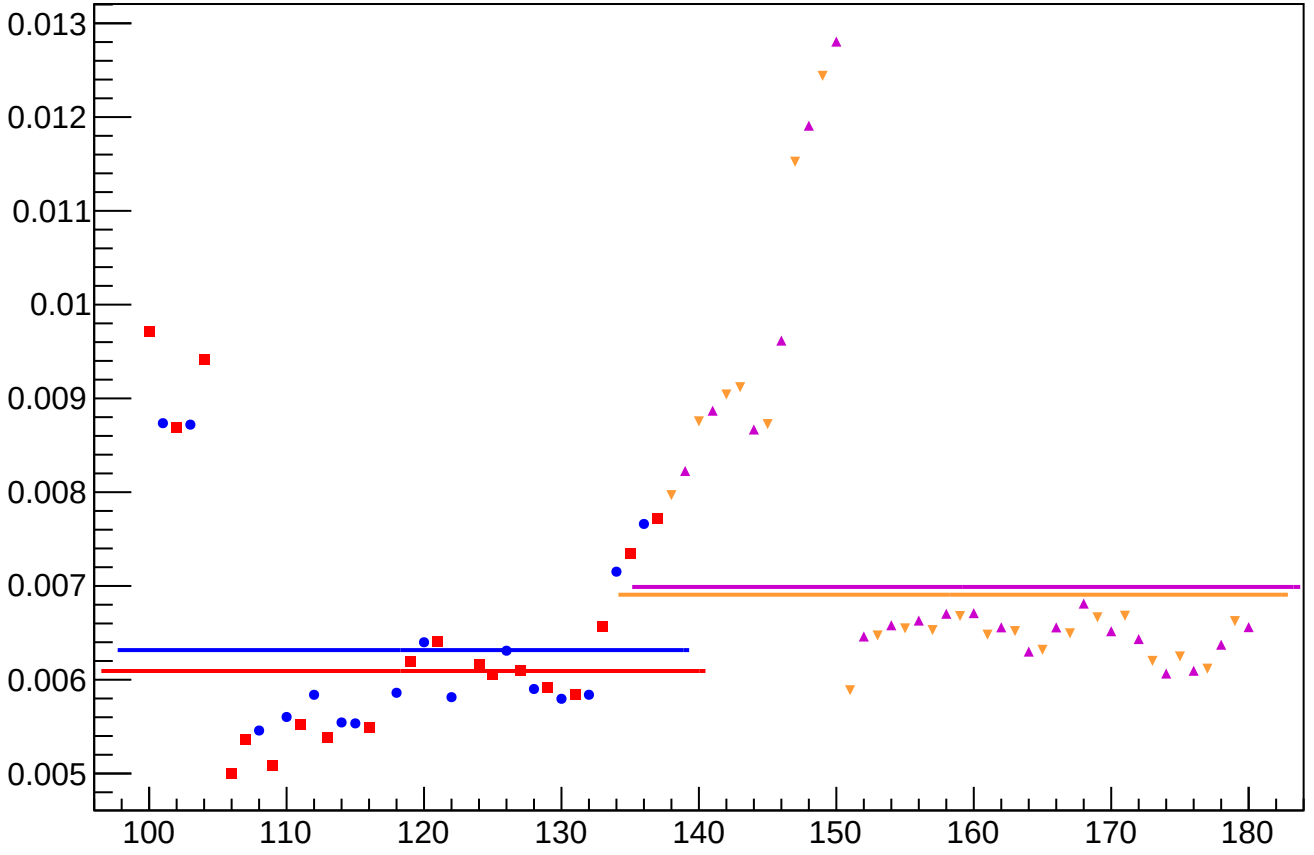
Left In: 0.411+/-0.000 χ^2/NDF:7126671050.8/20

+ sign 0.580+/-0.000 χ^2/NDF: 51254713805.3/37

All: 0.584+/-0.000 χ^2/NDF: 104822986584.0

- 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:1080034.7/21

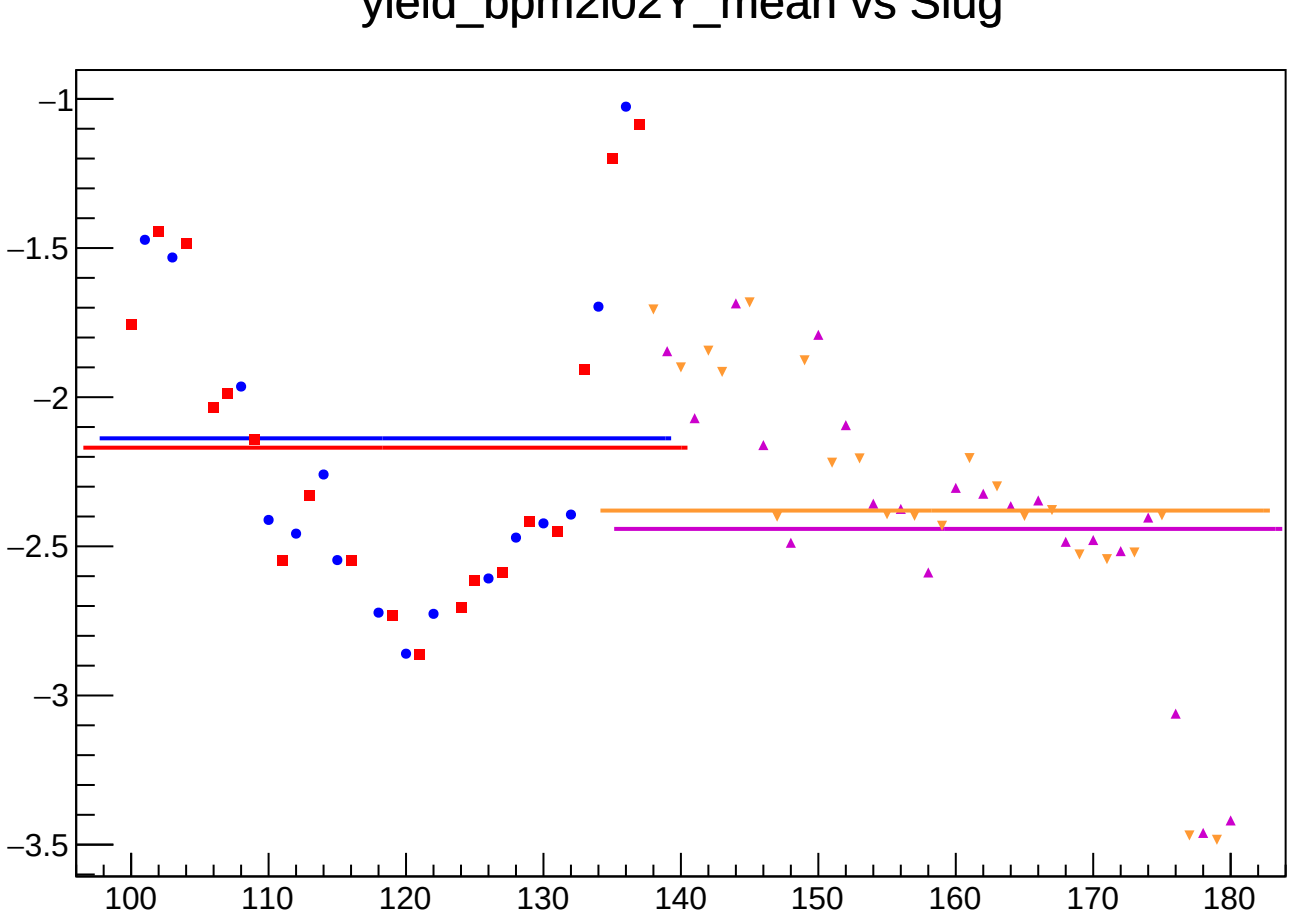
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1135760.8/20

\+ sign 0.007+/-0.000 χ^2/NDF: 1497587.0/37

All: 0.007+/-0.000 χ^2/NDF: 3269787.6/77

\- 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: -2.380+/-0.000 χ^2/NDF:77255668671.2/21

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

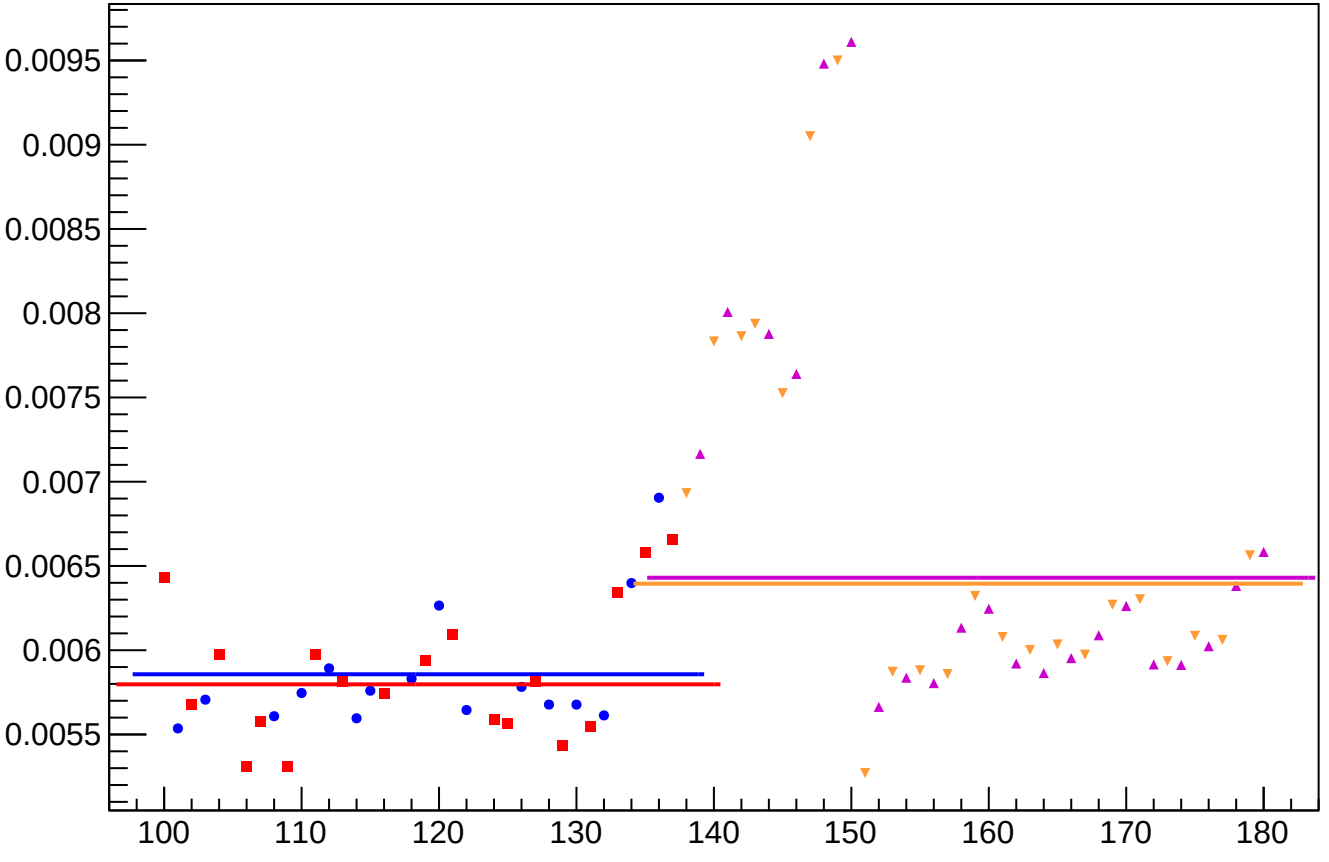
Left In: -2.442+/-0.000 χ^2/NDF:74023721311.6/20

+ sign -2.299+/-0.000 χ^2/NDF: 151105971550.8/37

All: -2.322+/-0.000 χ^2/NDF: 293865392073.9

- sign -2.346+/-0.000 χ^2/NDF: 142081370886.7/39

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:674950.4/21

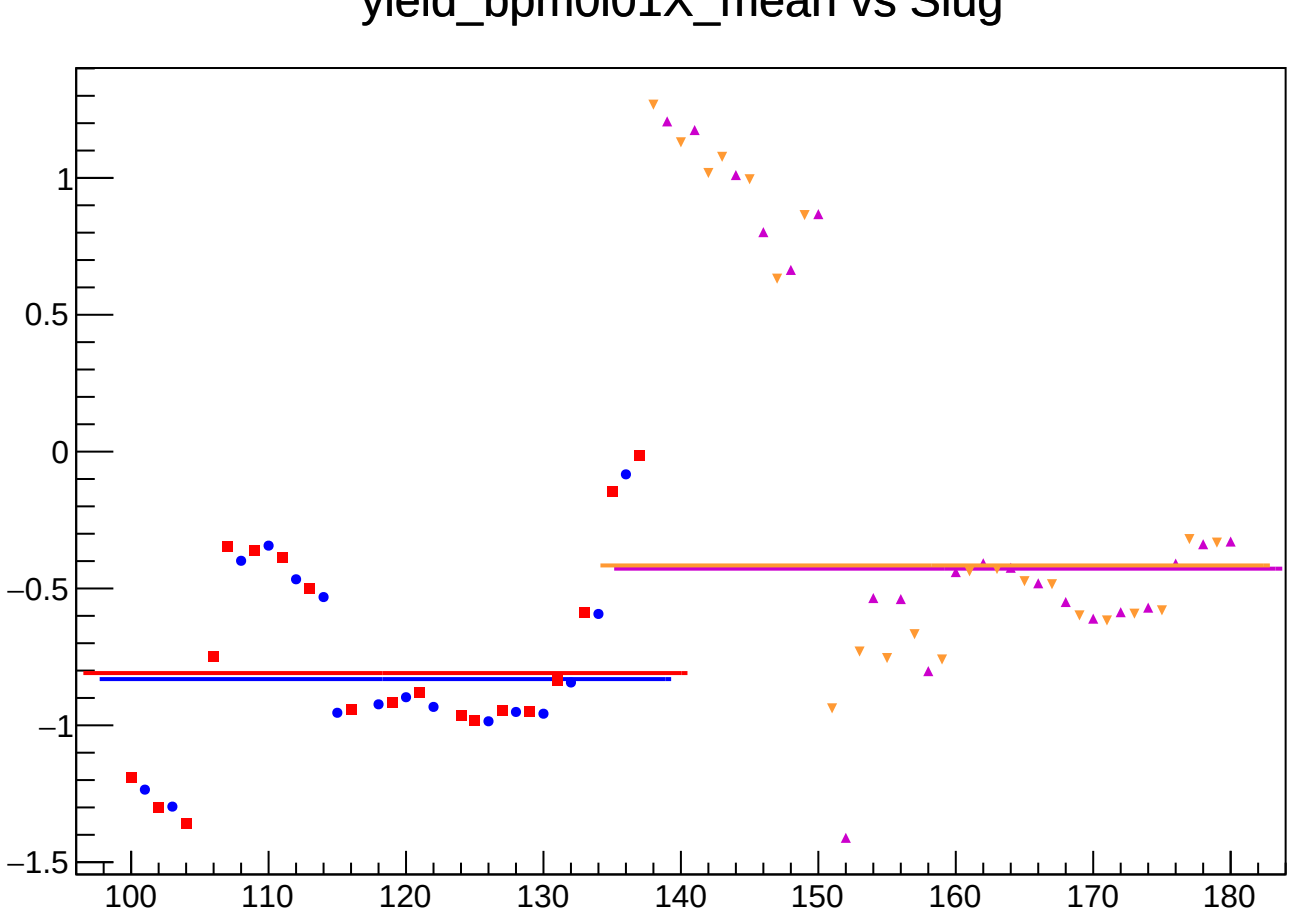
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:703741.7/20

+ sign 0.006+/-0.000 χ^2/NDF: 817527.9/37

All: 0.006+/-0.000 χ^2/NDF: 1692731.0/77

- sign 0.006+/-0.000 χ^2/NDF: 875163.7/39



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.416+/-0.000 χ^2/NDF:81332254070.4/21

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

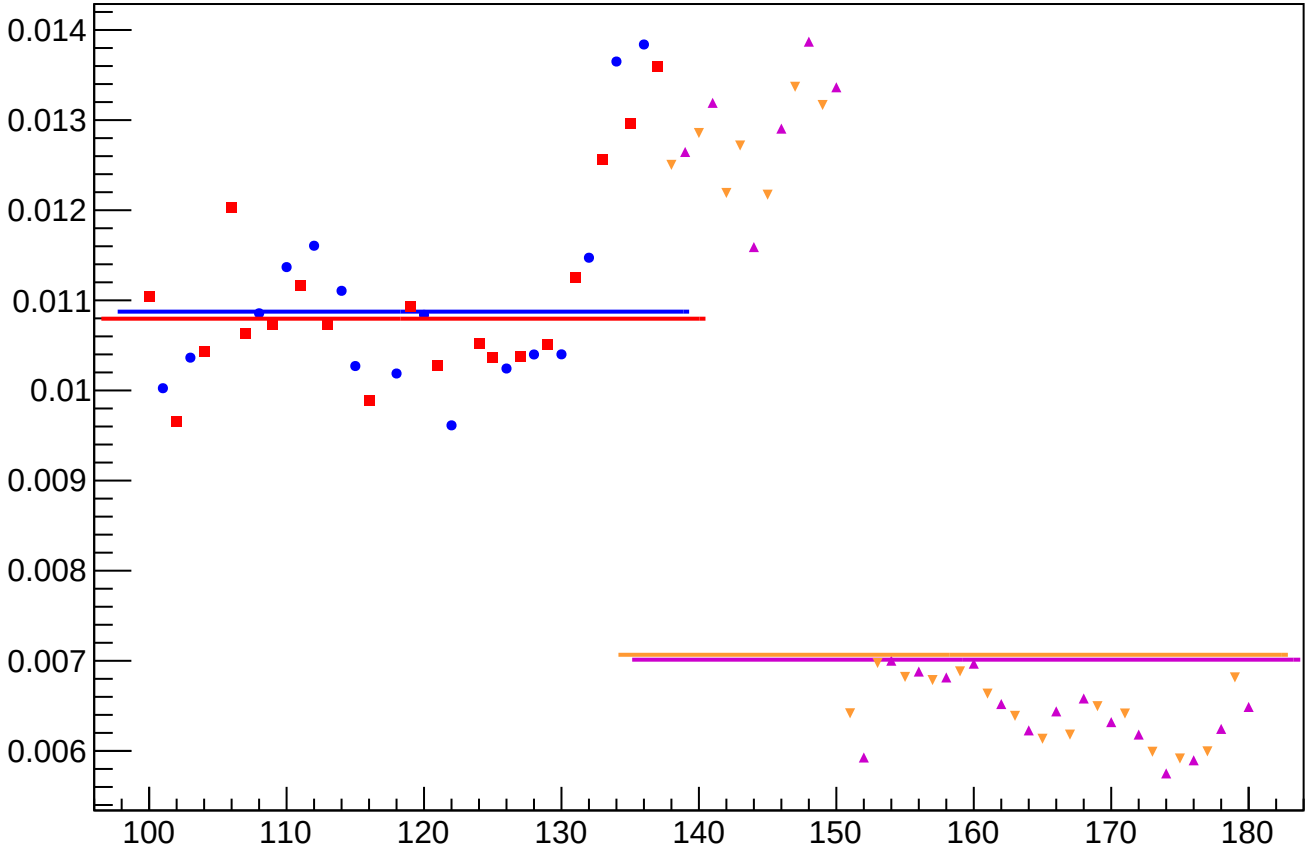
Left In: -0.428+/-0.000 χ^2/NDF:90032191506.0/20

+ sign -0.481+/-0.000 χ^2/NDF: 97089178690.8/37

All: -0.485+/-0.000 χ^2/NDF: 202838128851.6

- 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:2381789.8/21

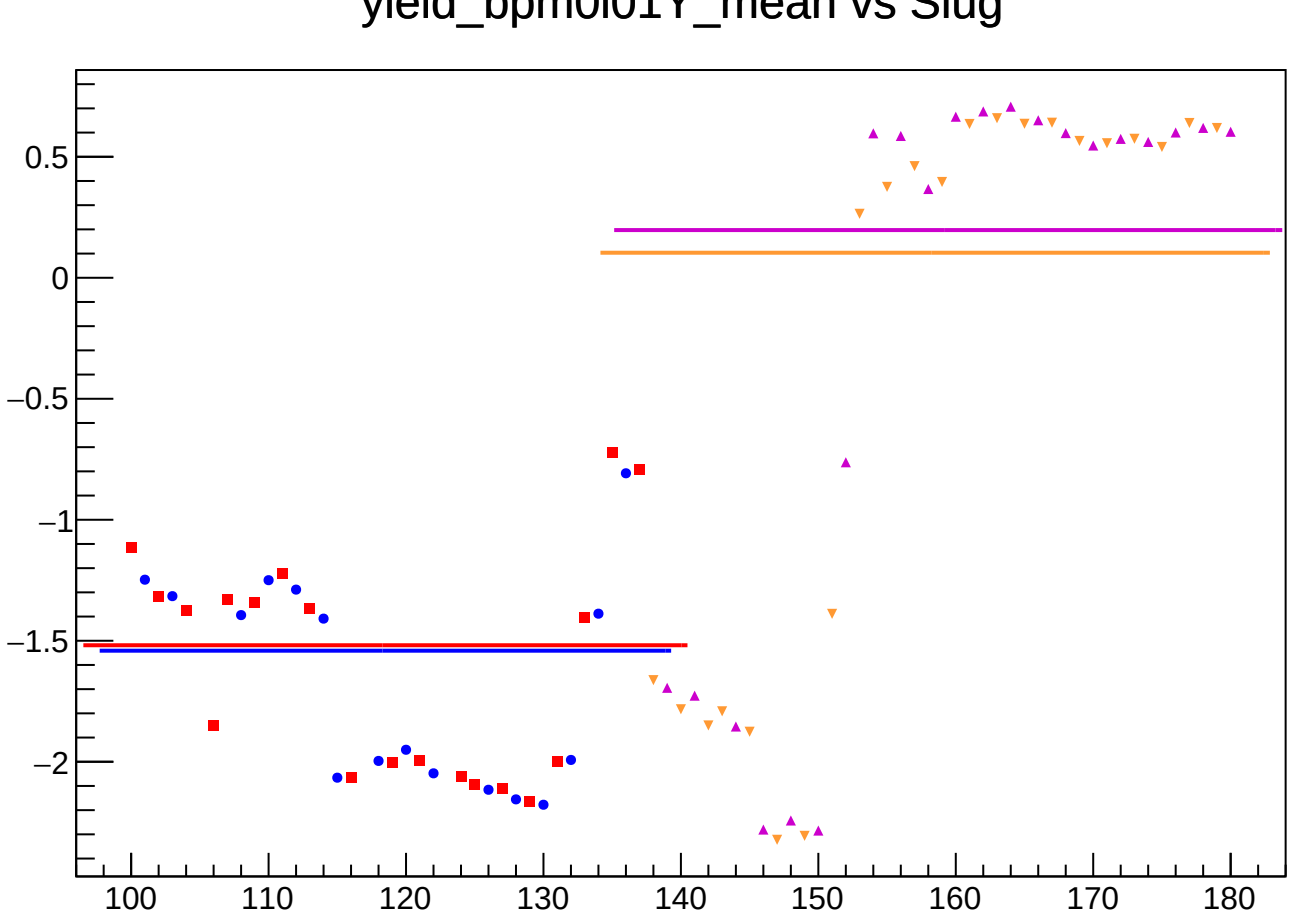
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2456236.1/20

+ sign 0.008+/-0.000 χ^2/NDF: 3993118.0/37

All: 0.008+/-0.000 χ^2/NDF: 8036008.2/77

- 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: 0.104+/-0.000 χ^2/NDF:2332830238247.9/21

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

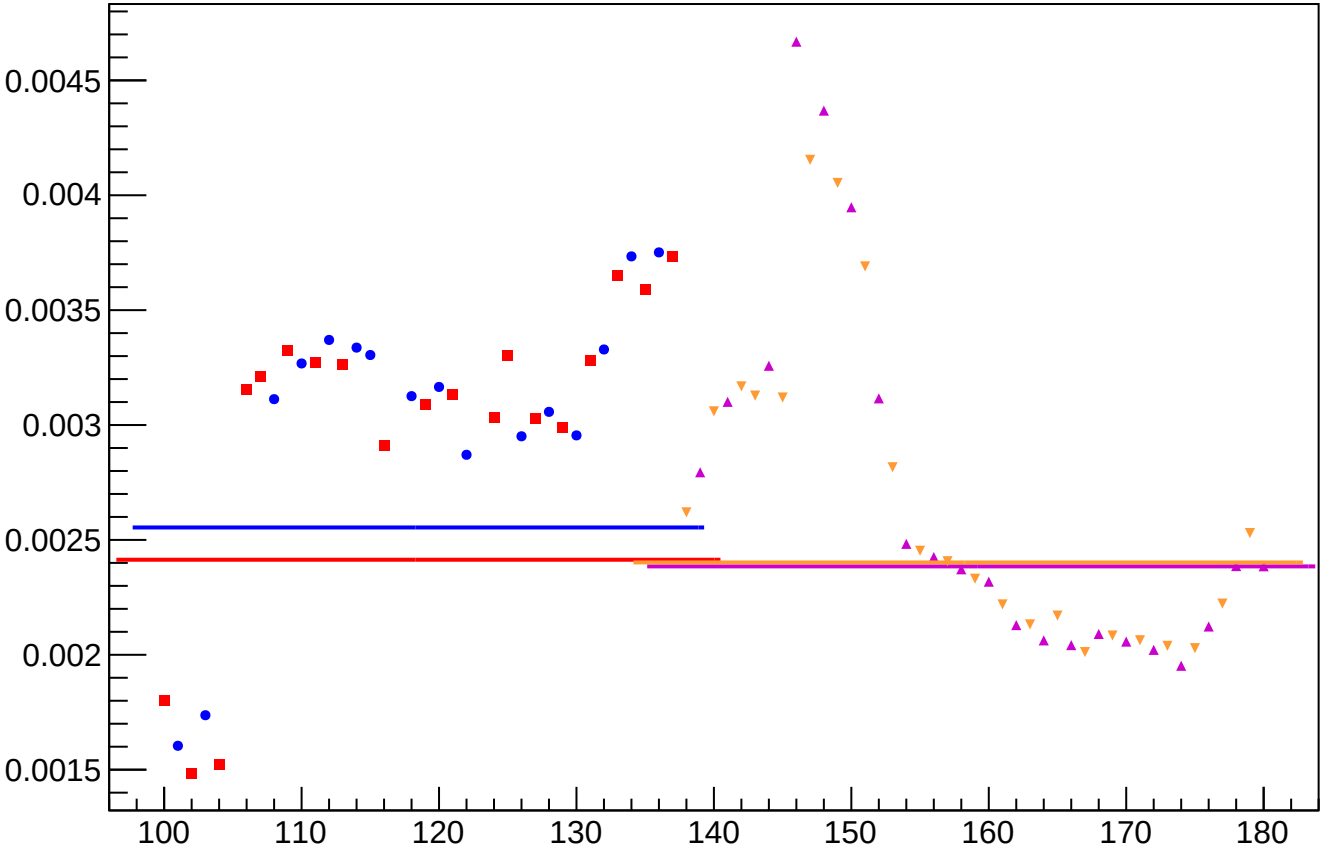
Left In: 0.197+/-0.000 χ^2/NDF:2097394673294.0/20

+ sign -0.324+/-0.000 χ^2/NDF: 4354739845811.2/3

All: -0.302+/-0.000 χ^2/NDF: 8759143119801

- 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:1209768.9/21

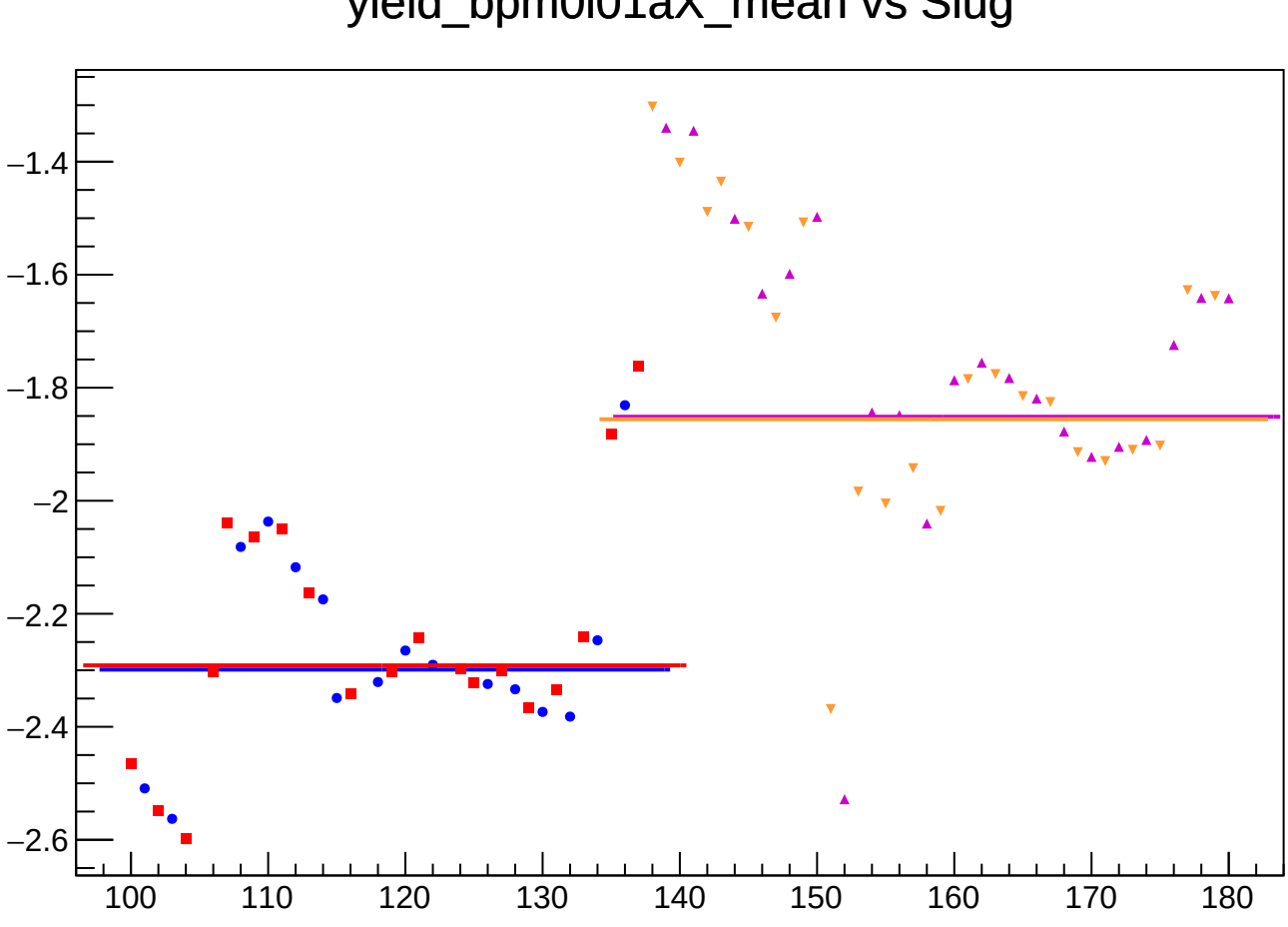
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1399533.2/20

+ sign 0.002+/-0.000 χ^2/NDF: 2414074.7/37

All: 0.002+/-0.000 χ^2/NDF: 5370210.3/77

- 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: -1.856+/-0.000 χ^2/NDF:33929552998.2/21

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

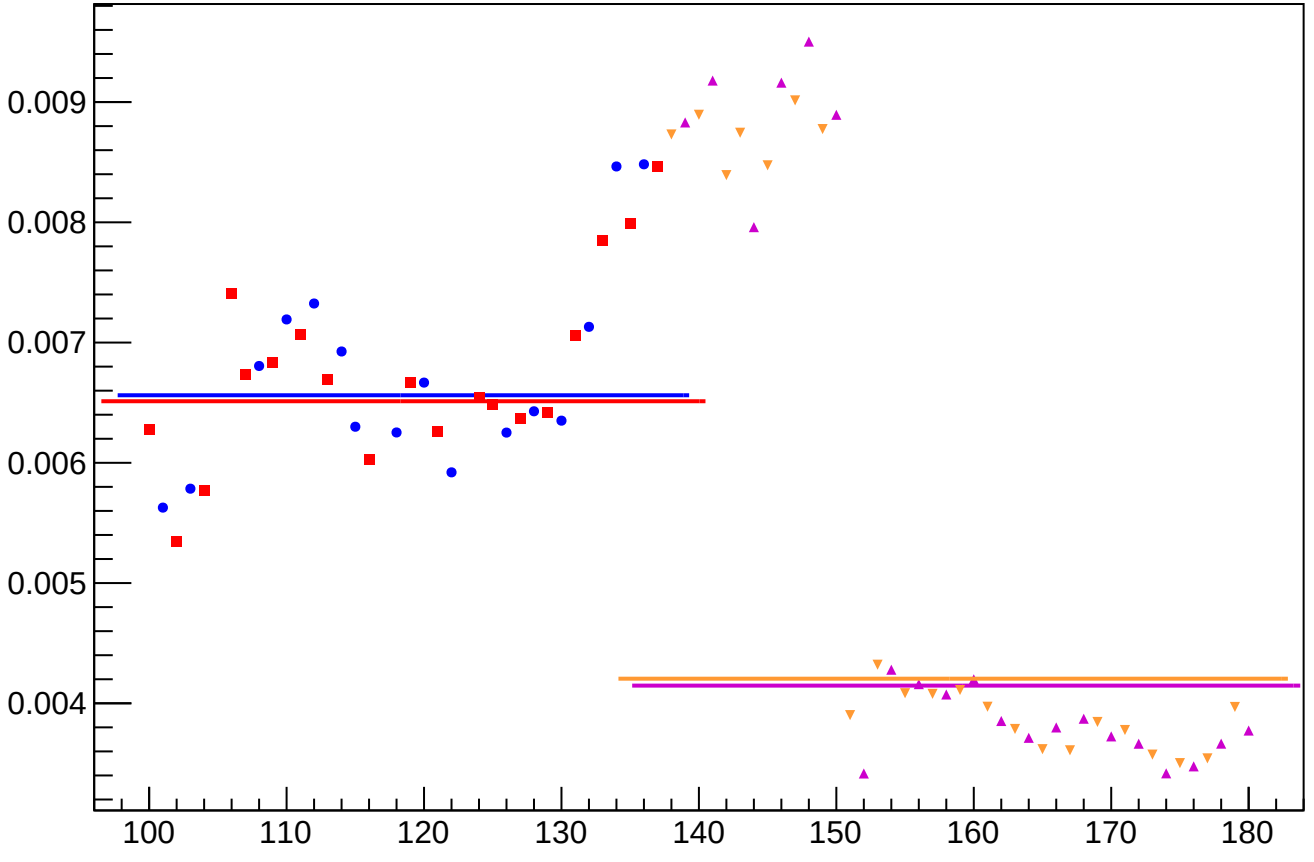
Left In: -1.851+/-0.000 χ^2/NDF:50987368853.5/20

+ sign -1.925+/-0.000 χ^2/NDF: 66662257076.3/37

All: -1.924+/-0.000 χ^2/NDF: 151696546342.4

- sign -1.922+/-0.000 χ^2/NDF: 85028879090.0/39

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3088899.1/21

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

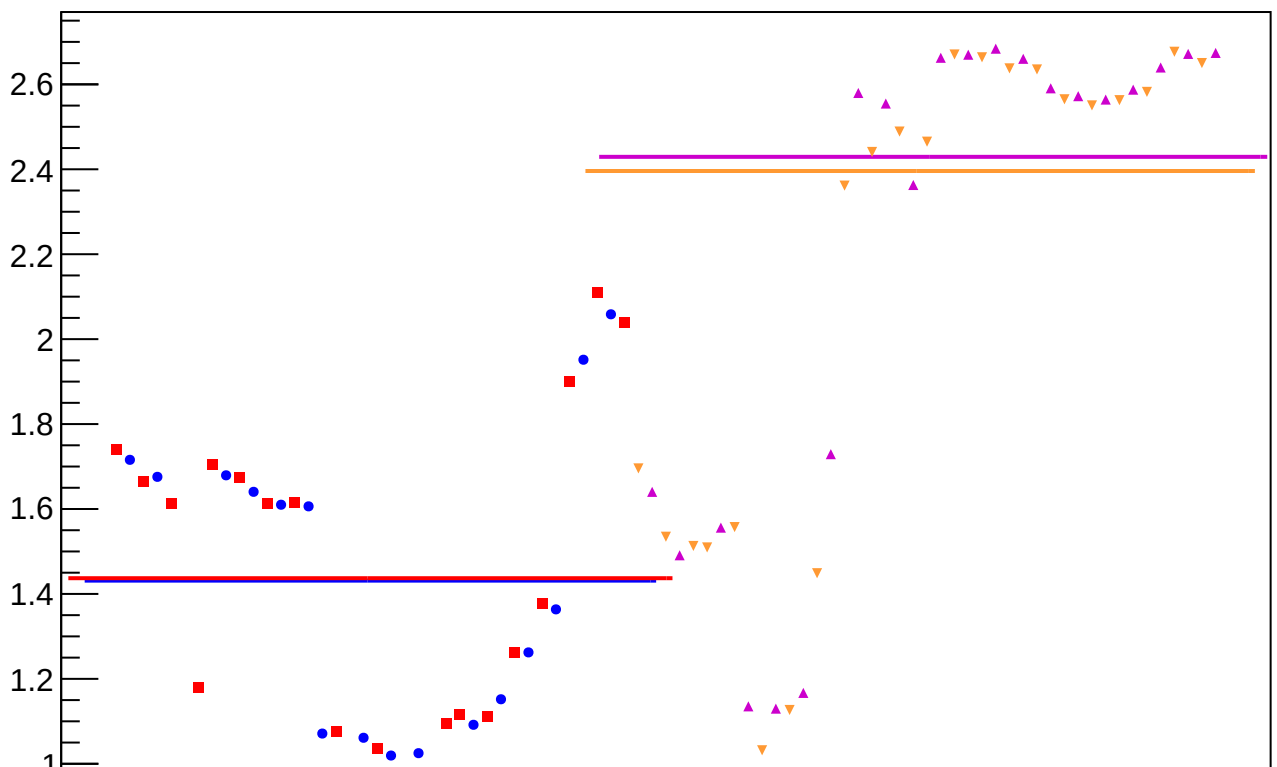
Left In: 0.004+/-0.000 χ^2/NDF:3193107.2/20

+ sign 0.005+/-0.000 χ^2/NDF: 4817352.0/37

All: 0.005+/-0.000 χ^2/NDF: 9770174.5/77

- sign 0.005+/-0.000 χ^2/NDF: 4950509.4/39

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.396+/-0.000 χ^2/NDF:236314576335.0/21

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

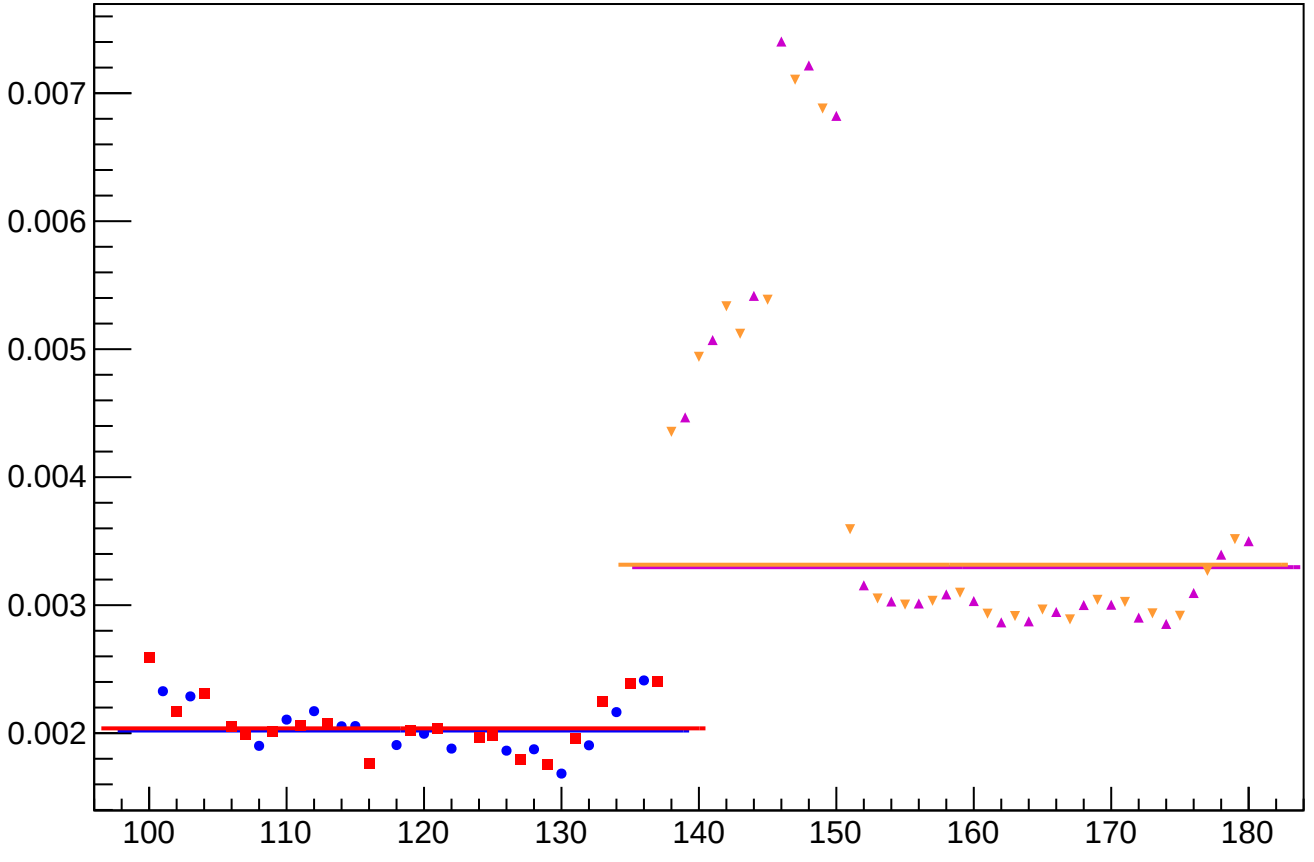
Left In: 2.429+/-0.000 χ^2/NDF:228243905245.6/20

+ sign 1.881+/-0.000 χ^2/NDF: 1130503746221.0/37

All: 1.889+/-0.000 χ^2/NDF: 2284498477225.

- 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:1773030.9/21

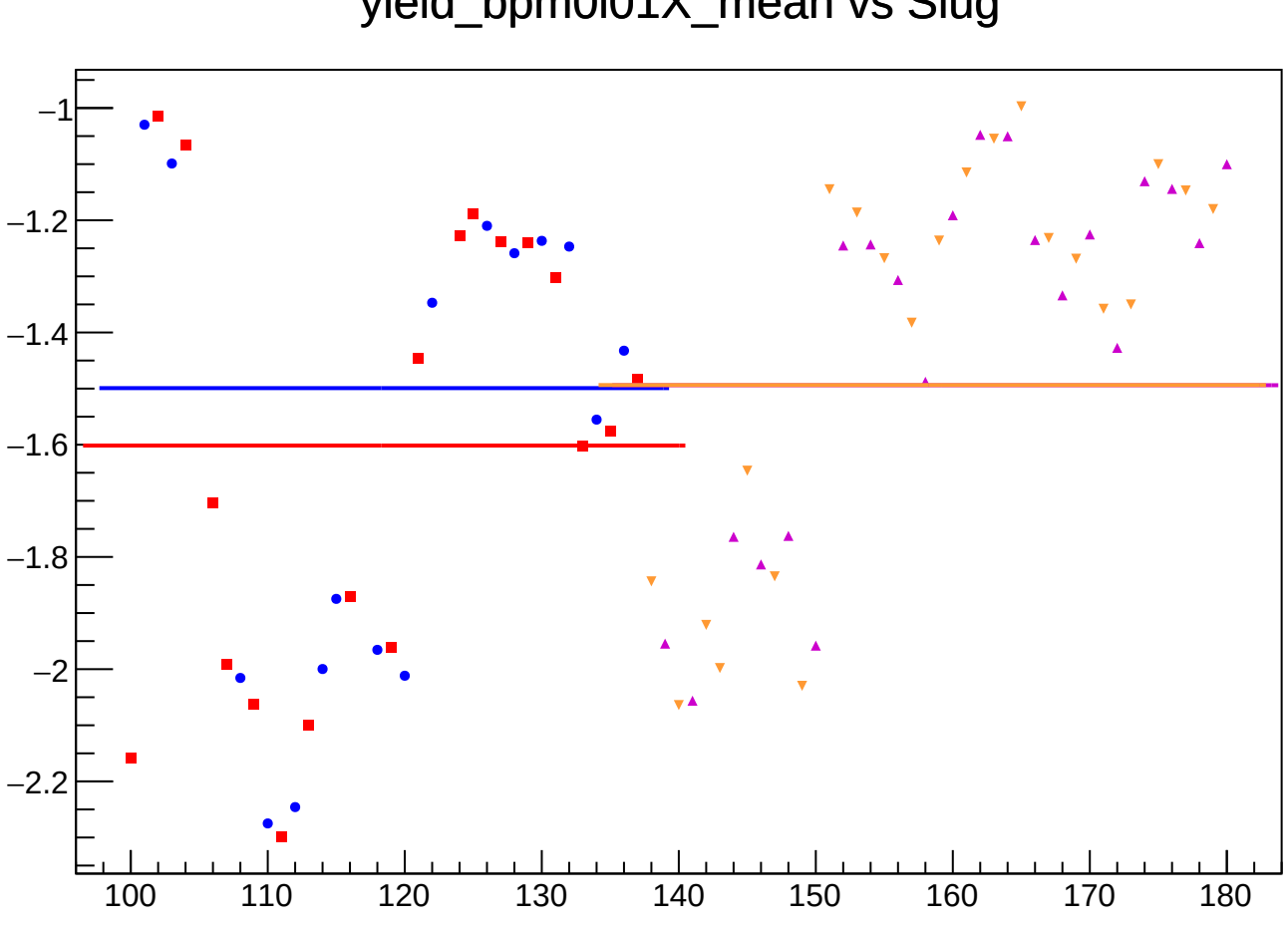
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2025766.0/20

+ sign 0.003+/-0.000 χ^2/NDF: 4471213.5/37

All: 0.003+/-0.000 χ^2/NDF: 9005283.1/77

- 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: -1.494+/-0.000 χ^2/NDF:47948048178.4/21

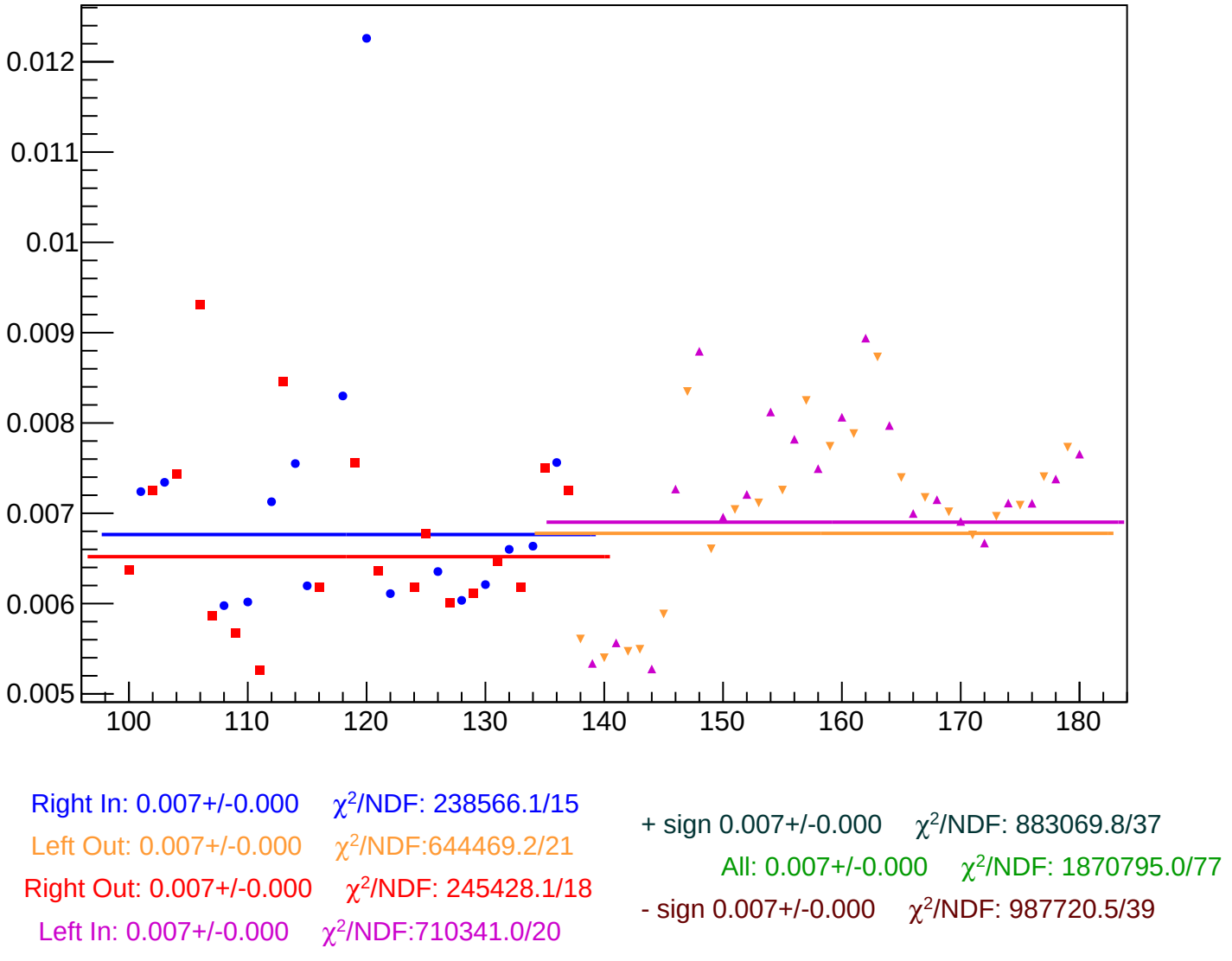
Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.494+/-0.000 χ^2/NDF:39484204312.8/20

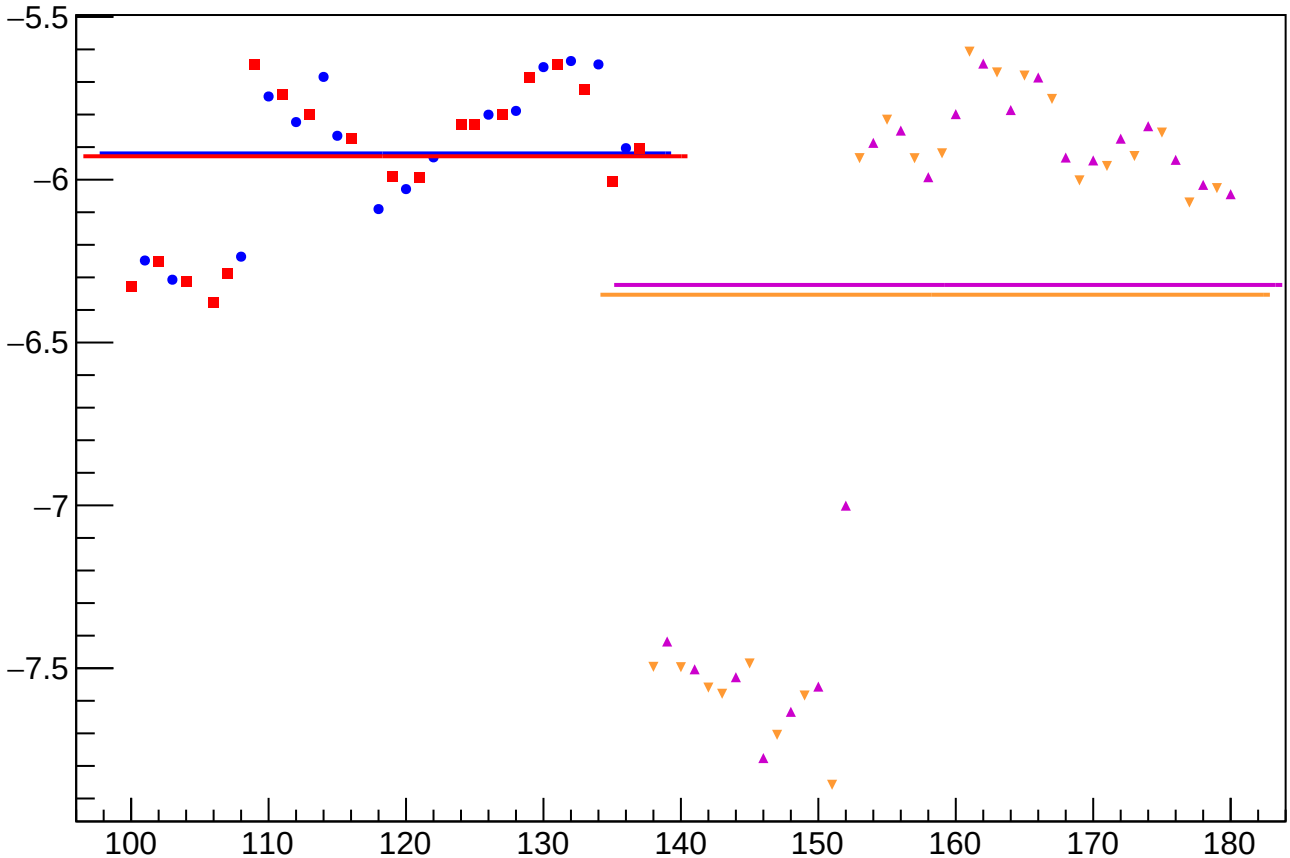
+ sign -1.495+/-0.000 χ^2/NDF: 70881436274.6/37

All: -1.512+/-0.000 χ^2/NDF: 140237891123.

- sign -1.529+/-0.000 χ^2/NDF: 69073123772.3/39


yield_bpm0l01X_rms vs Slug
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.007+/-0.000 χ²/NDF: 238566.1/15
Left Out: 0.007+/-0.000 χ²/NDF:644469.2/21
Right Out: 0.007+/-0.000 χ²/NDF: 245428.1/18
Left In: 0.007+/-0.000 χ²/NDF:710341.0/20
+ sign 0.007+/-0.000 χ²/NDF: 883069.8/37
All: 0.007+/-0.000 χ²/NDF: 1870795.0/77
- sign 0.007+/-0.000 χ²/NDF: 987720.5/39

yield_bpm0l01Y_mean vs Slug



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.353+/-0.000 χ^2/NDF:108876056255.9/21

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

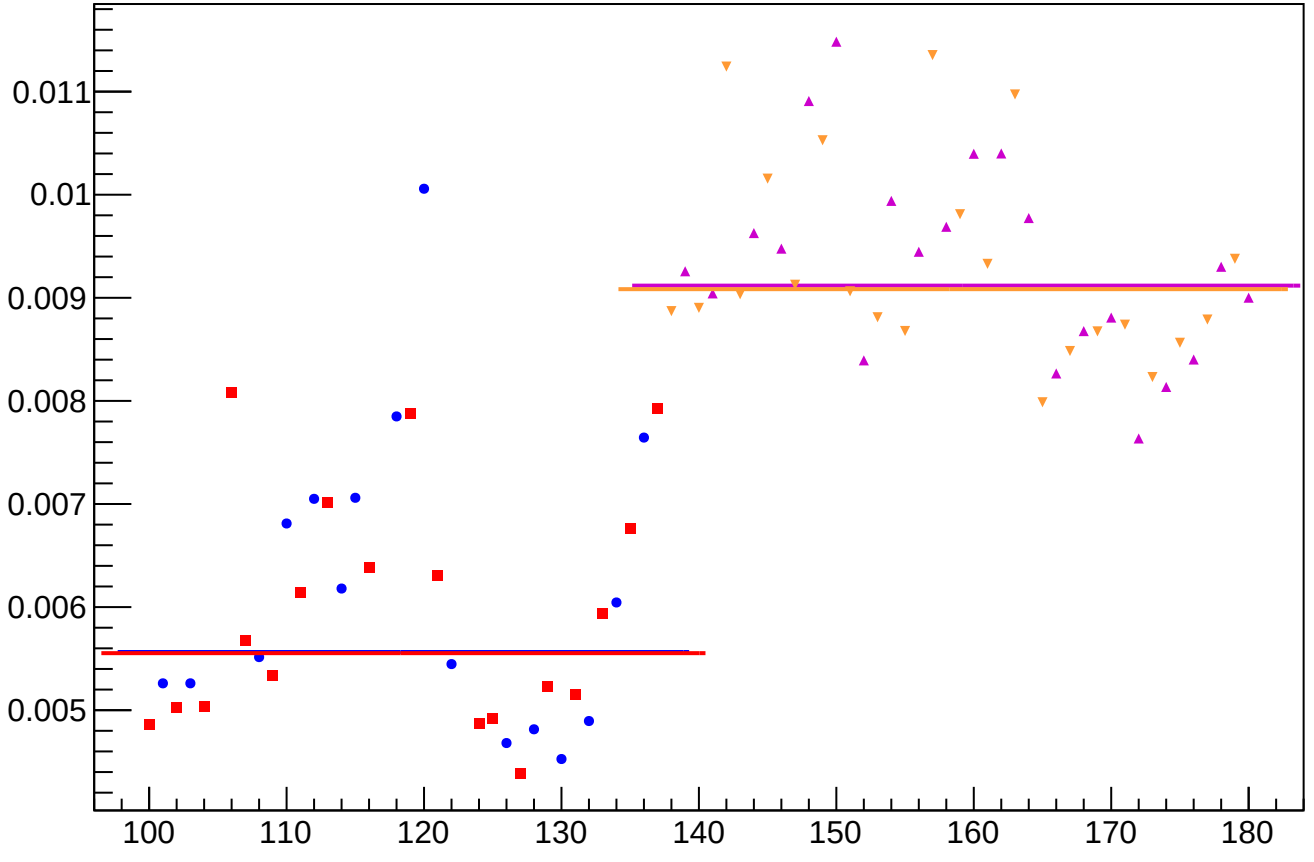
Left In: -6.323+/-0.000 χ^2/NDF:91010361643.8/20

+ sign -6.124+/-0.000 χ^2/NDF: 138190376160.8/37

All: -6.115+/-0.000 χ^2/NDF: 256793465904.9

- 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:229650.4/21

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

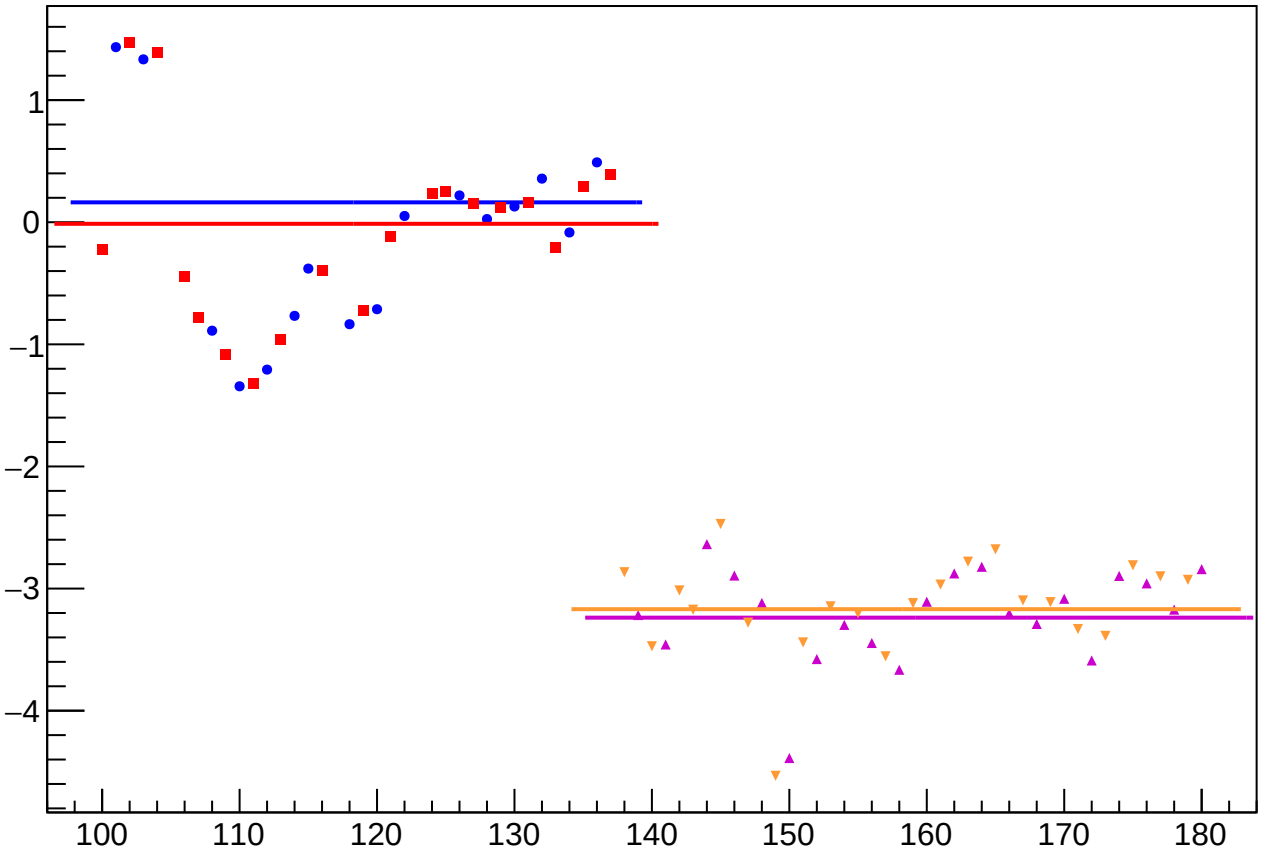
Left In: 0.009+/-0.000 χ^2/NDF:284581.0/20

+ sign 0.007+/-0.000 χ^2/NDF: 3038126.8/37

All: 0.007+/-0.000 χ^2/NDF: 6114702.5/77

- sign 0.007+/-0.000 χ^2/NDF: 3075468.4/39

yield_bpm0l02X_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.169+/-0.000 χ^2/NDF:9078247265.2/21

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

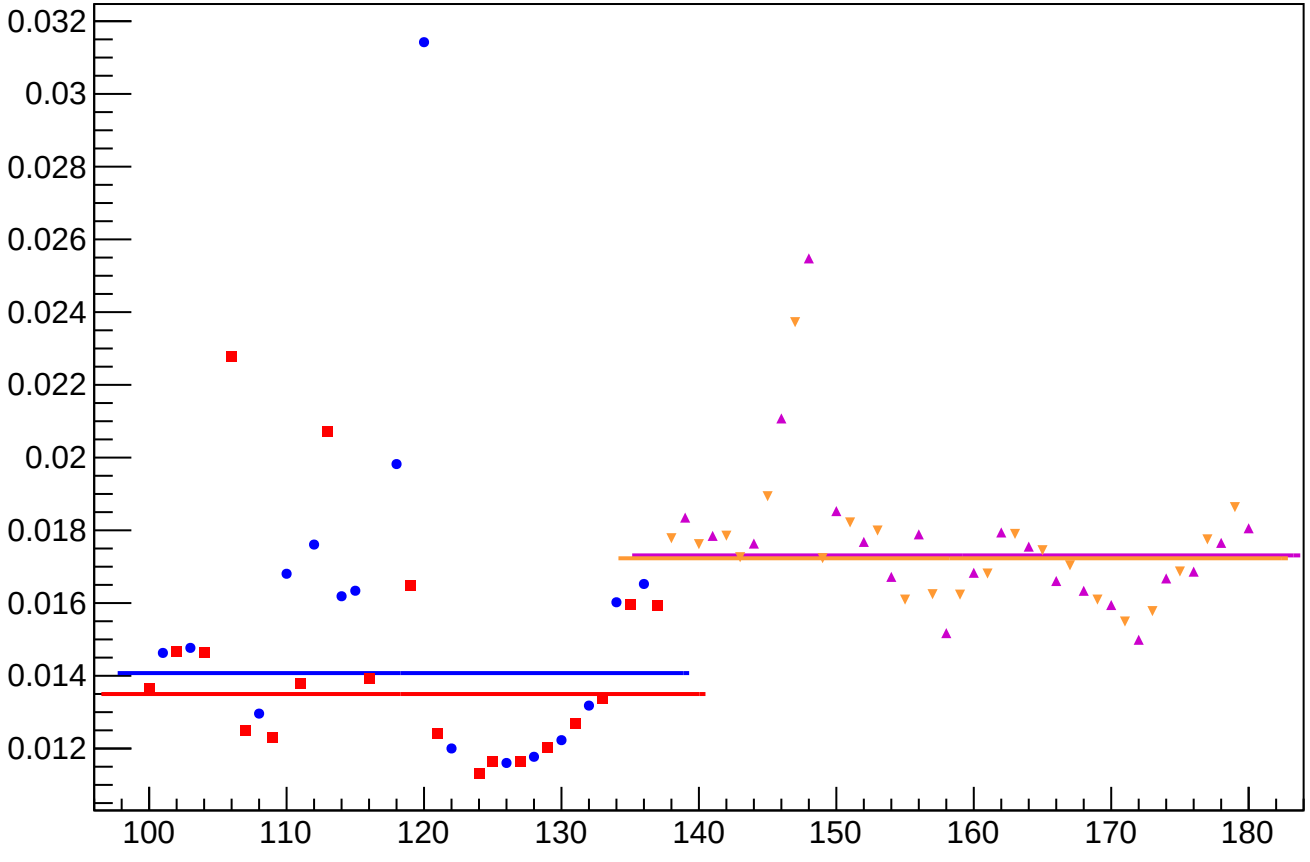
Left In: -3.238+/-0.000 χ^2/NDF:7899717022.7/20

+ sign -1.965+/-0.000 χ^2/NDF: 252700343444.8/37

All: -1.950+/-0.000 χ^2/NDF: 513750615257.9

- 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:211332.3/21

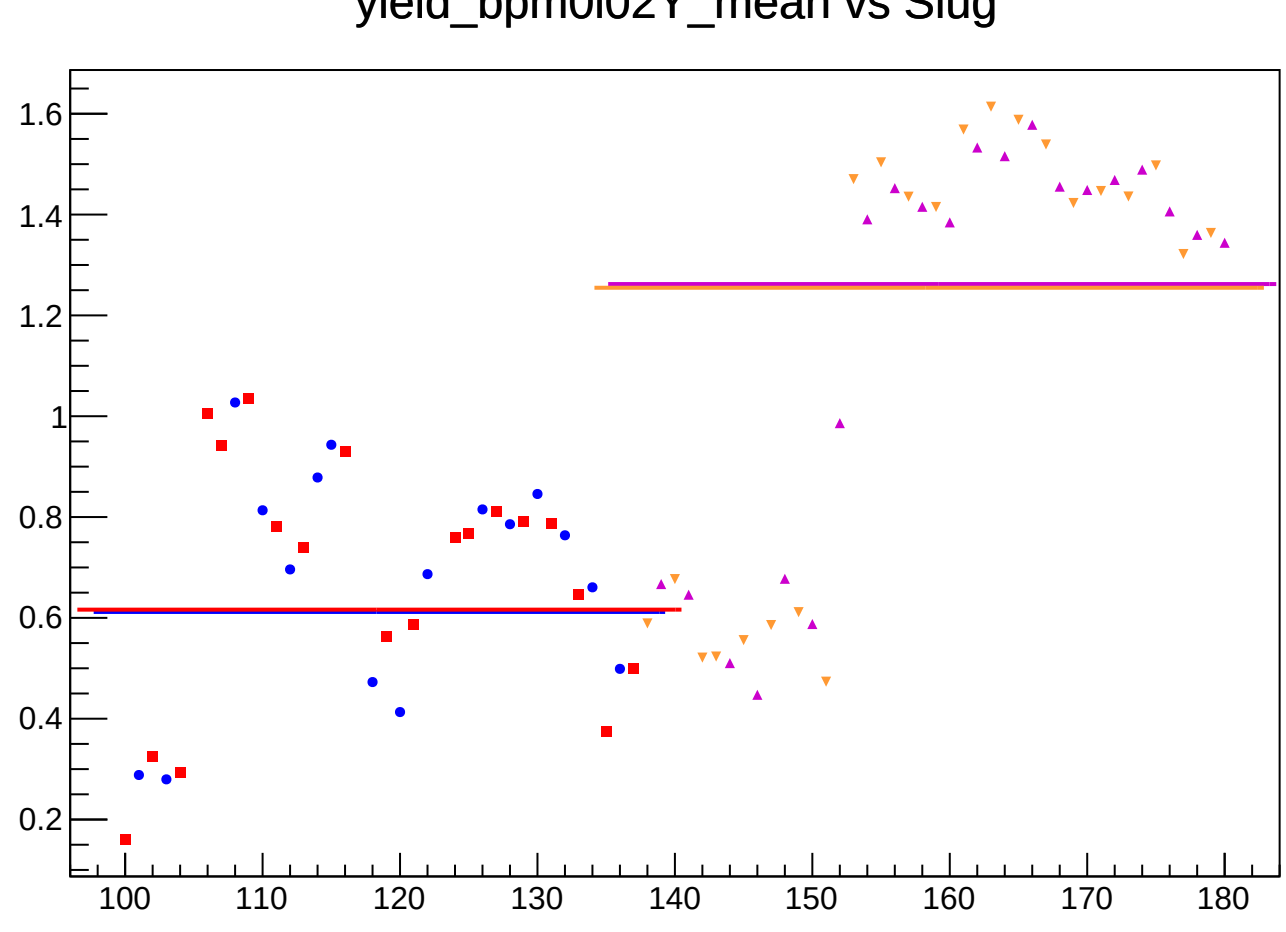
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:326956.5/20

+ sign 0.016+/-0.000 χ^2/NDF: 1082021.8/37

All: 0.016+/-0.000 χ^2/NDF: 2377329.4/77

- 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: 1.255+/-0.000 χ^2/NDF:45230445907.4/21

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

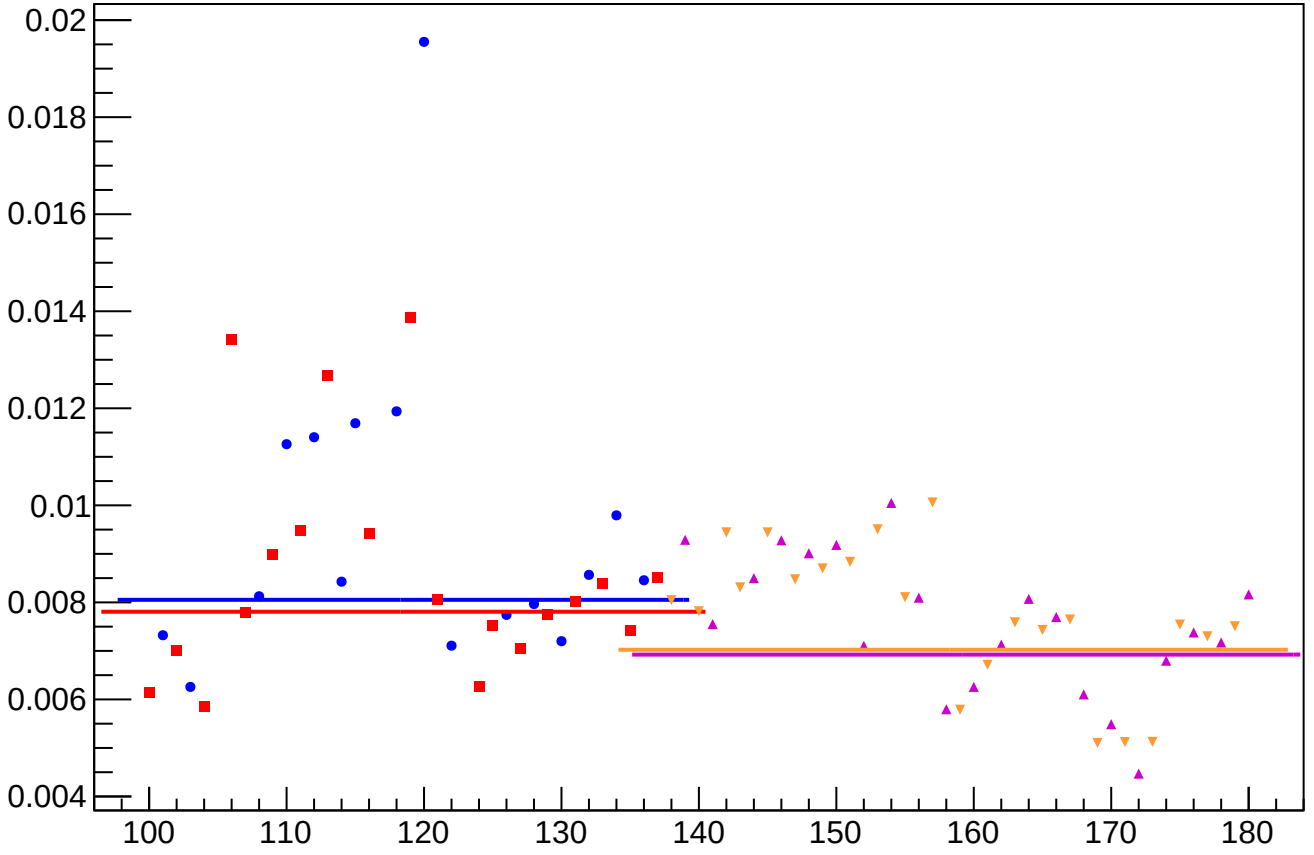
Left In: 1.262+/-0.000 χ^2/NDF:37456482378.3/20

+ sign 1.105+/-0.000 χ^2/NDF: 80809008253.9/37

All: 1.103+/-0.000 χ^2/NDF: 157671762433.2

- 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:1407458.2/21

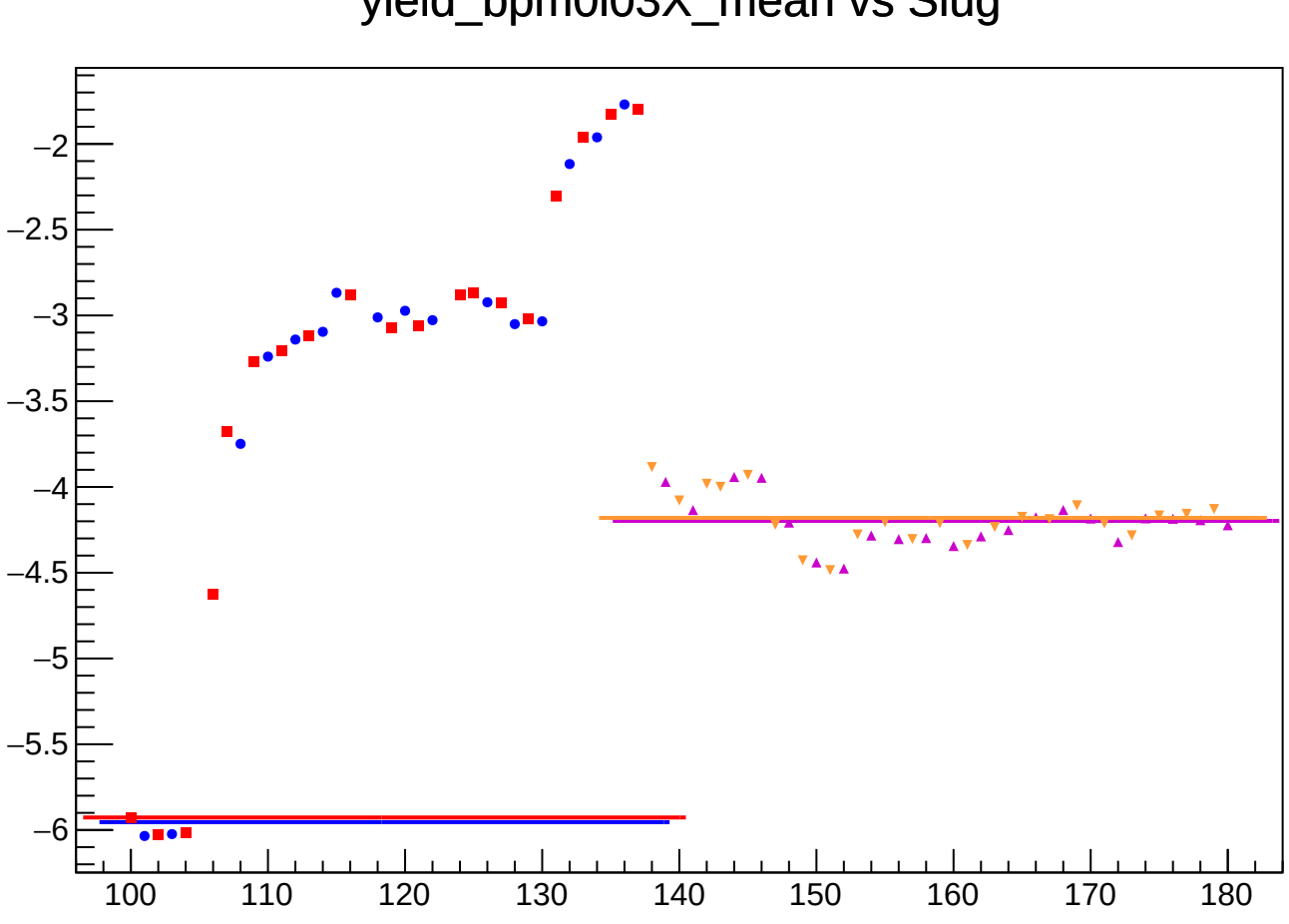
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1416581.2/20

+ sign 0.007+/-0.000 χ^2/NDF: 2158972.7/37

All: 0.007+/-0.000 χ^2/NDF: 4292238.4/77

- 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: -4.180+/-0.000 χ^2/NDF:54130941.9/21

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

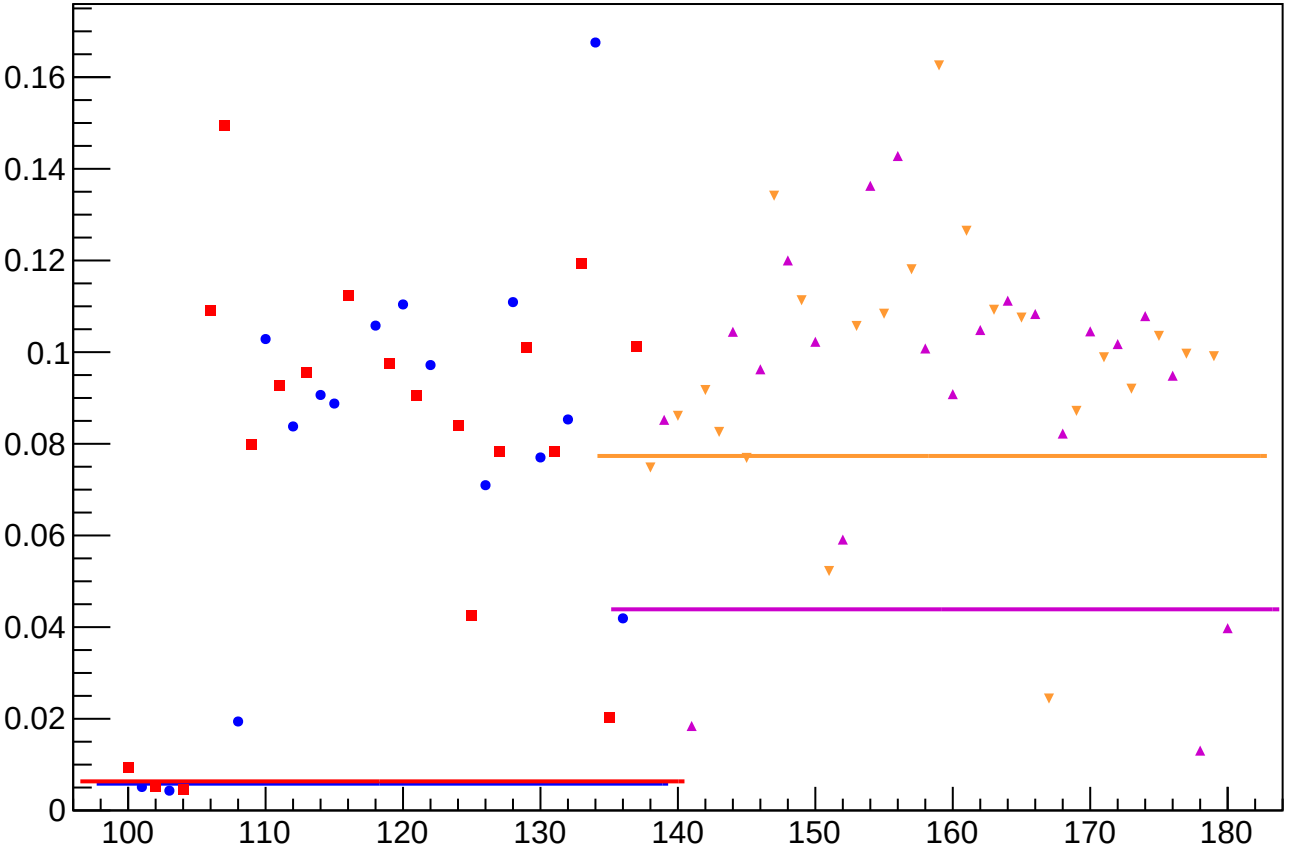
Left In: -4.198+/-0.000 χ^2/NDF:41735825.8/20

+ sign -5.885+/-0.000 χ^2/NDF: 19451382963.8/37

All: -5.838+/-0.000 χ^2/NDF: 44219618136.0/

- 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:4673229.3/21

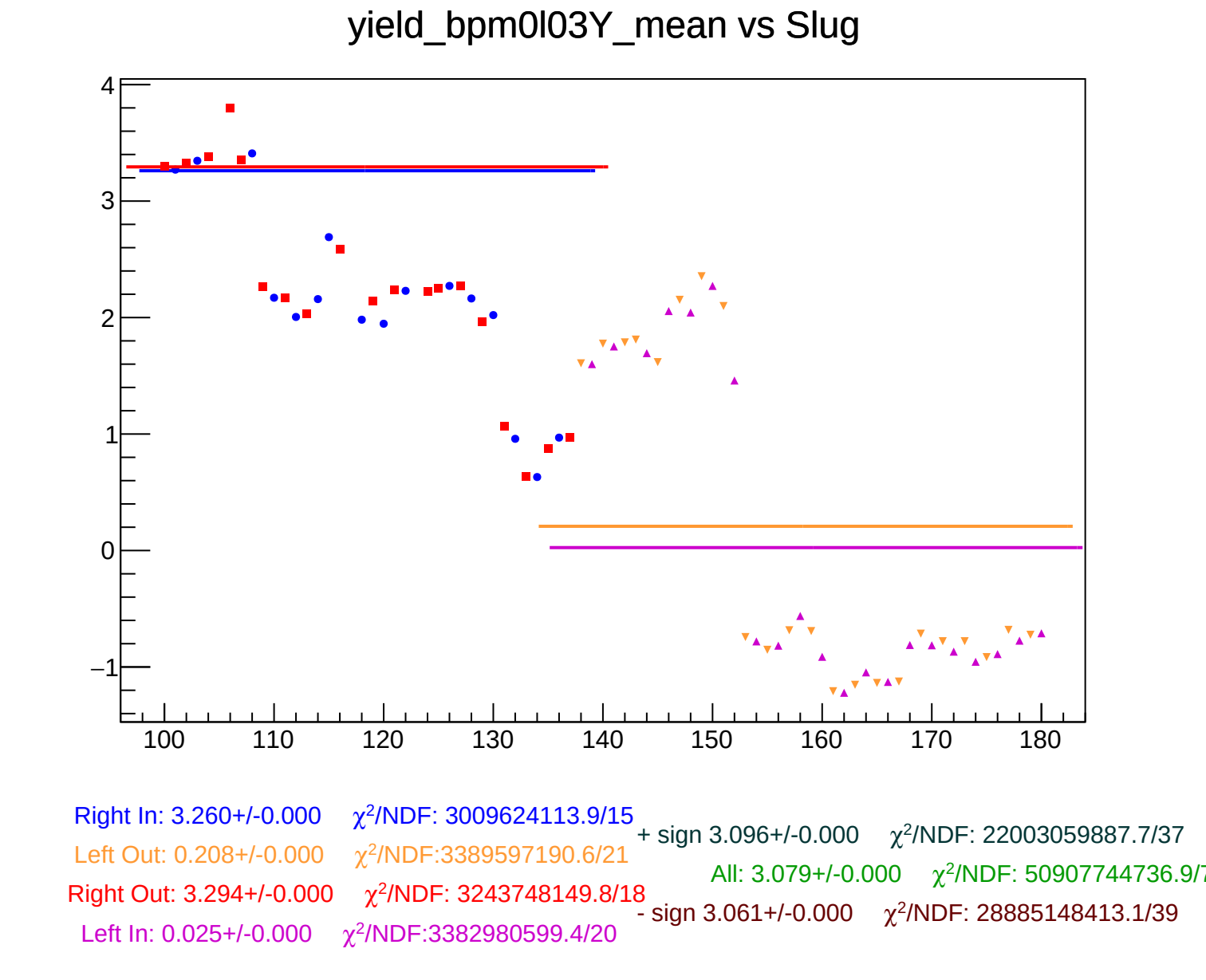
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.044+/-0.000 χ^2/NDF:11939130.5/20

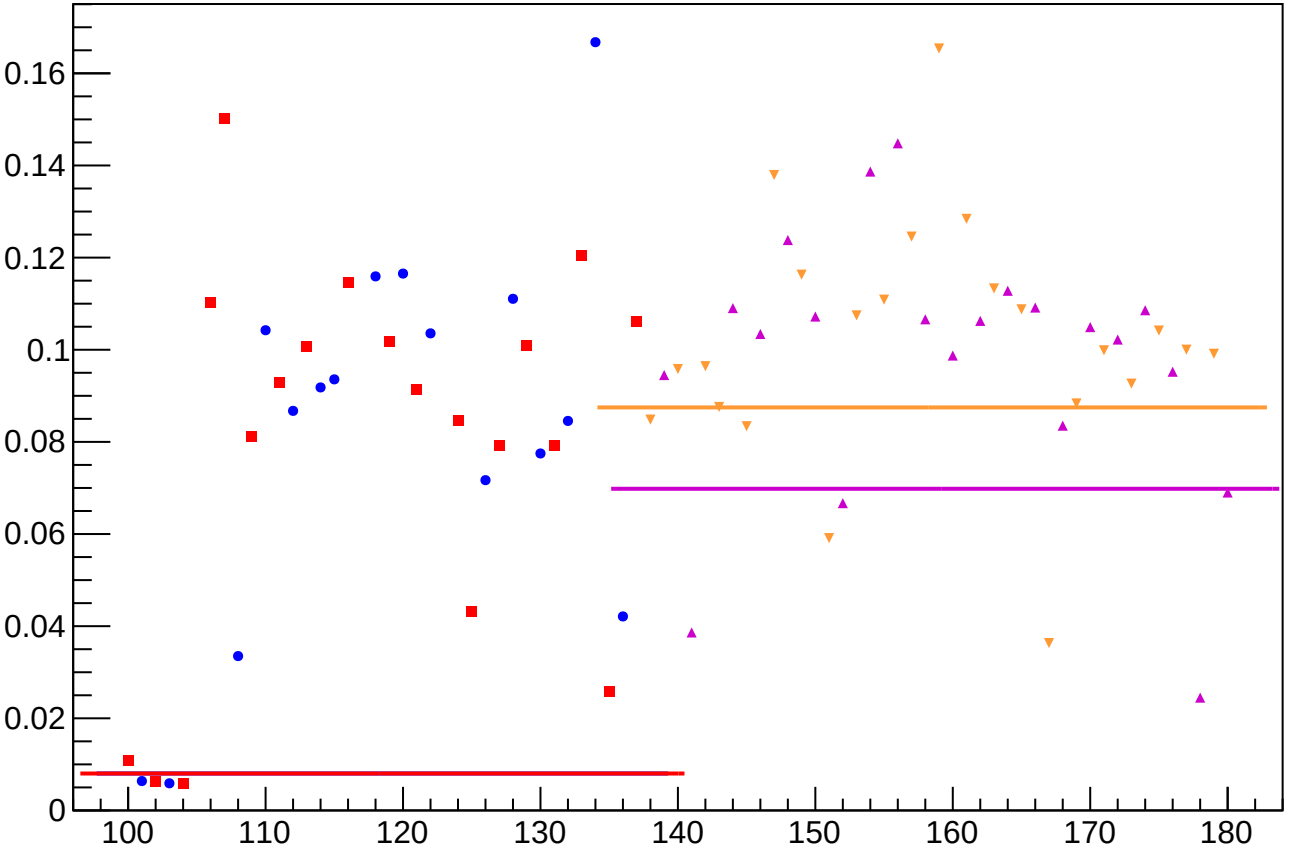
+ sign 0.009+/-0.000 χ^2/NDF: 33841600.7/37

All: 0.009+/-0.000 χ^2/NDF: 64507751.9/77

- 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: 0.208+/-0.000 χ²/NDF:3389597190.6/21
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: 0.025+/-0.000 χ²/NDF:3382980599.4/20
+ sign 3.096+/-0.000 χ²/NDF: 22003059887.7/37
All: 3.079+/-0.000 χ²/NDF: 50907744736.9/7
- 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:2889507.0/21

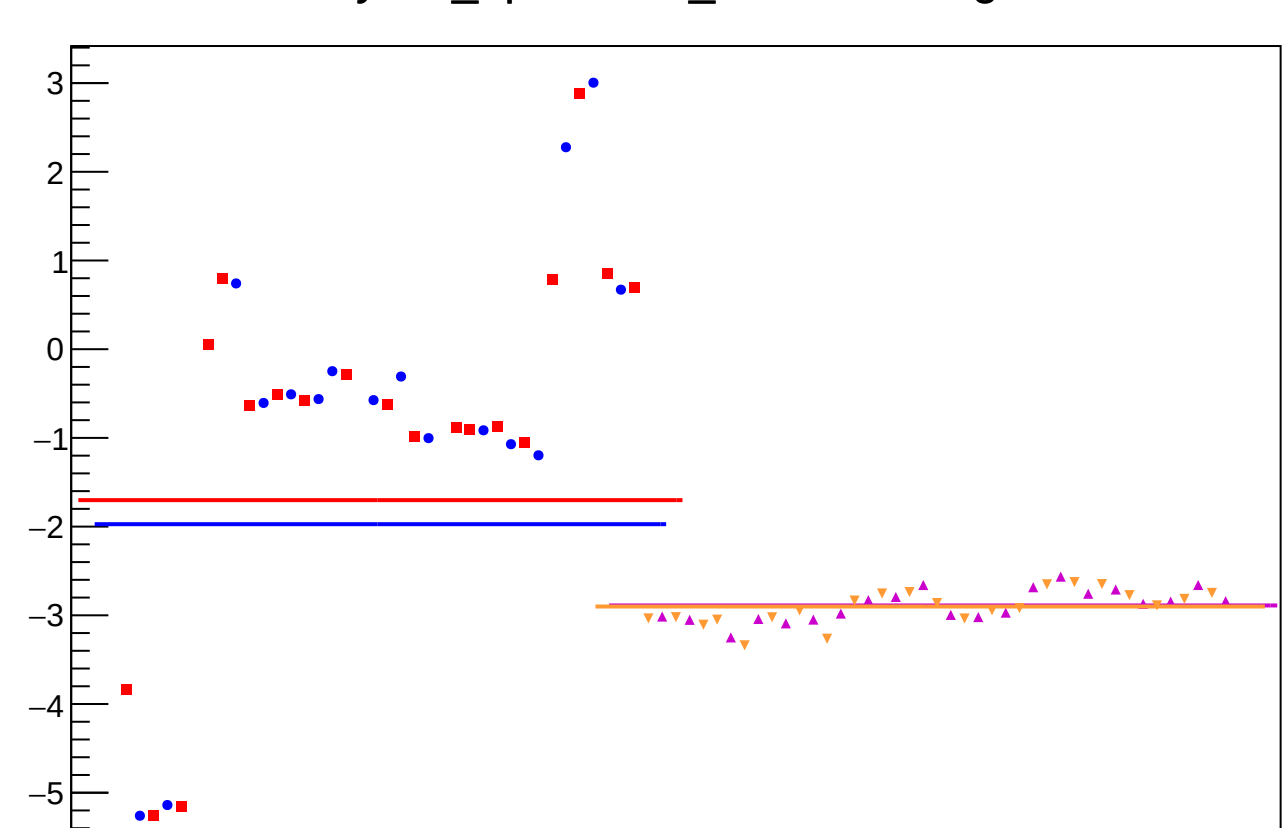
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.070+/-0.000 χ^2/NDF:6191159.2/20

+ sign 0.012+/-0.000 χ^2/NDF: 32451267.4/37

All: 0.012+/-0.000 χ^2/NDF: 63100504.3/77

- 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: -2.901+/-0.000 χ^2/NDF:9296155182.7/21

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

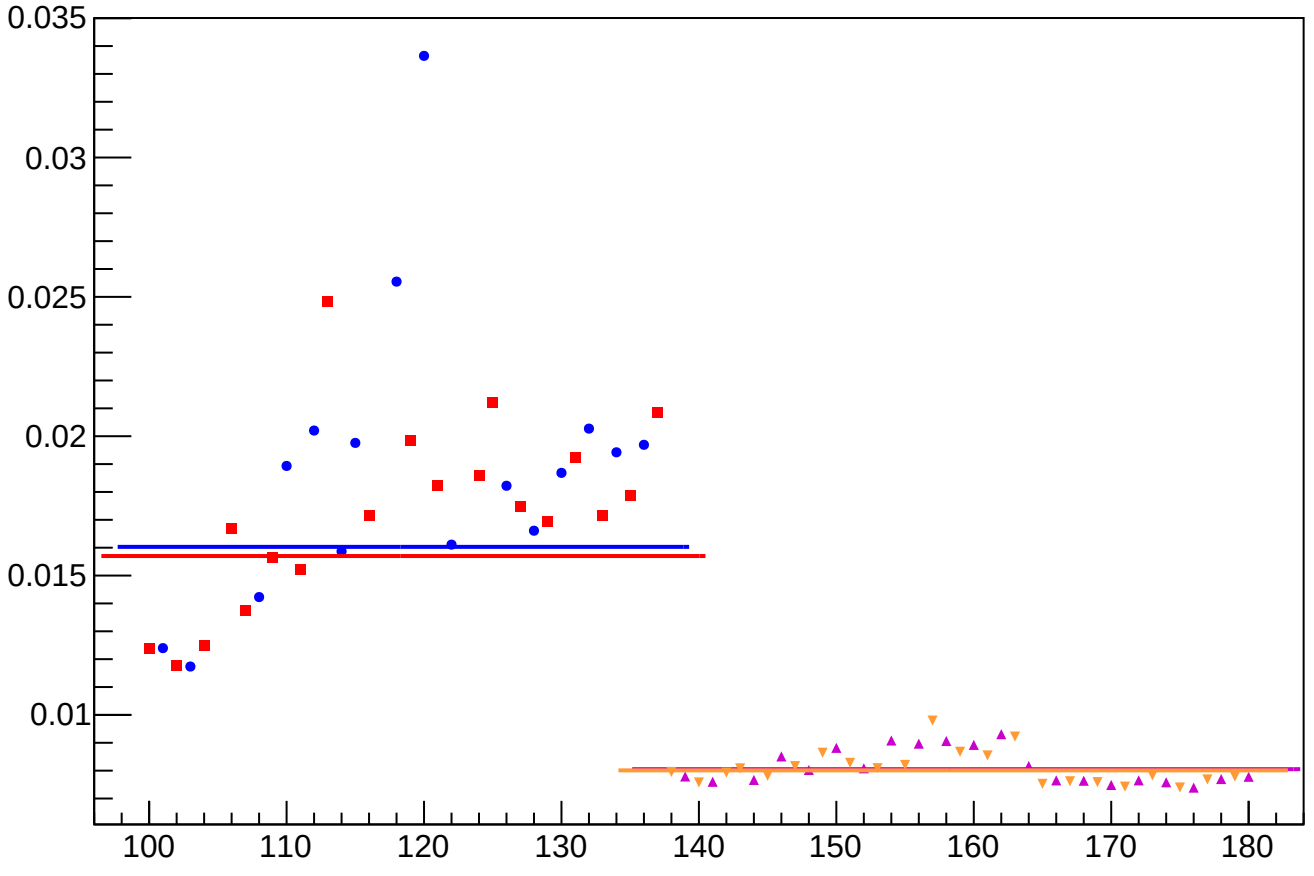
Left In: -2.889+/-0.000 χ^2/NDF:8054328269.4/20

+ sign -2.826+/-0.000 χ^2/NDF: 189219898473.4/37

All: -2.803+/-0.000 χ^2/NDF: 398786427256.4

- 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:151182.2/21

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

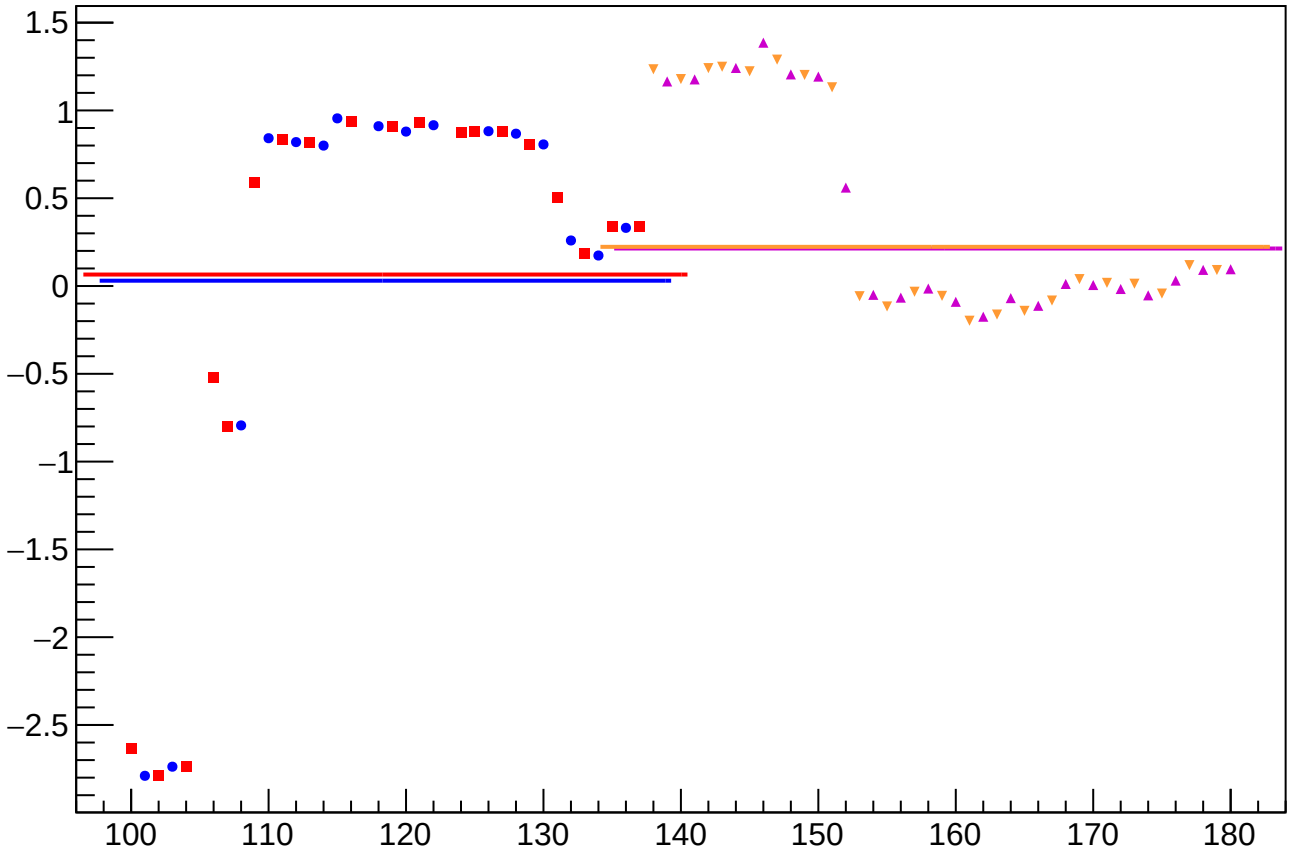
Left In: 0.008+/-0.000 χ^2/NDF:173592.3/20

+ sign 0.009+/-0.000 χ^2/NDF: 3566938.2/37

All: 0.009+/-0.000 χ^2/NDF: 6990513.7/77

- sign 0.009+/-0.000 χ^2/NDF: 3420402.0/39

yield_bpm0l04Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.223+/-0.000 χ^2/NDF:102176225734.0/21

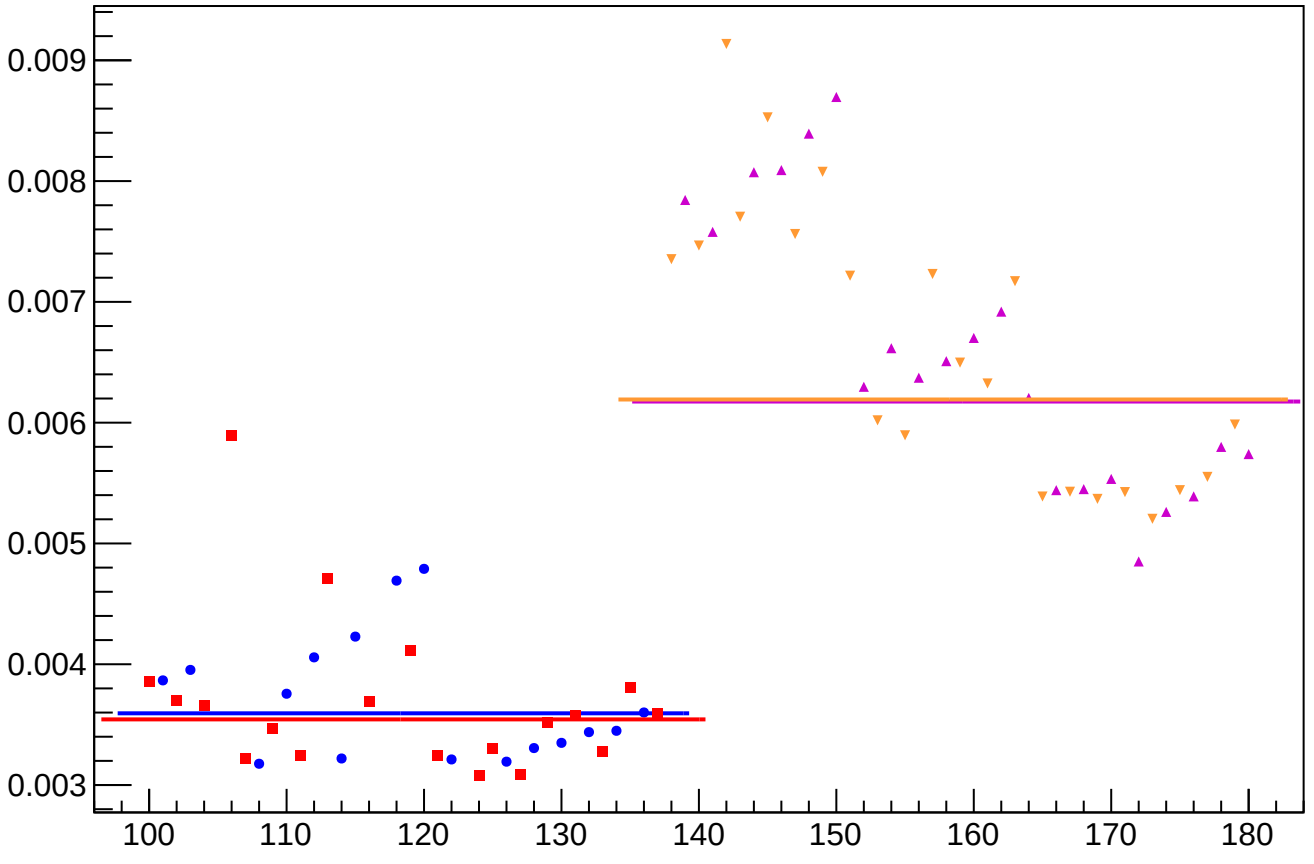
Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

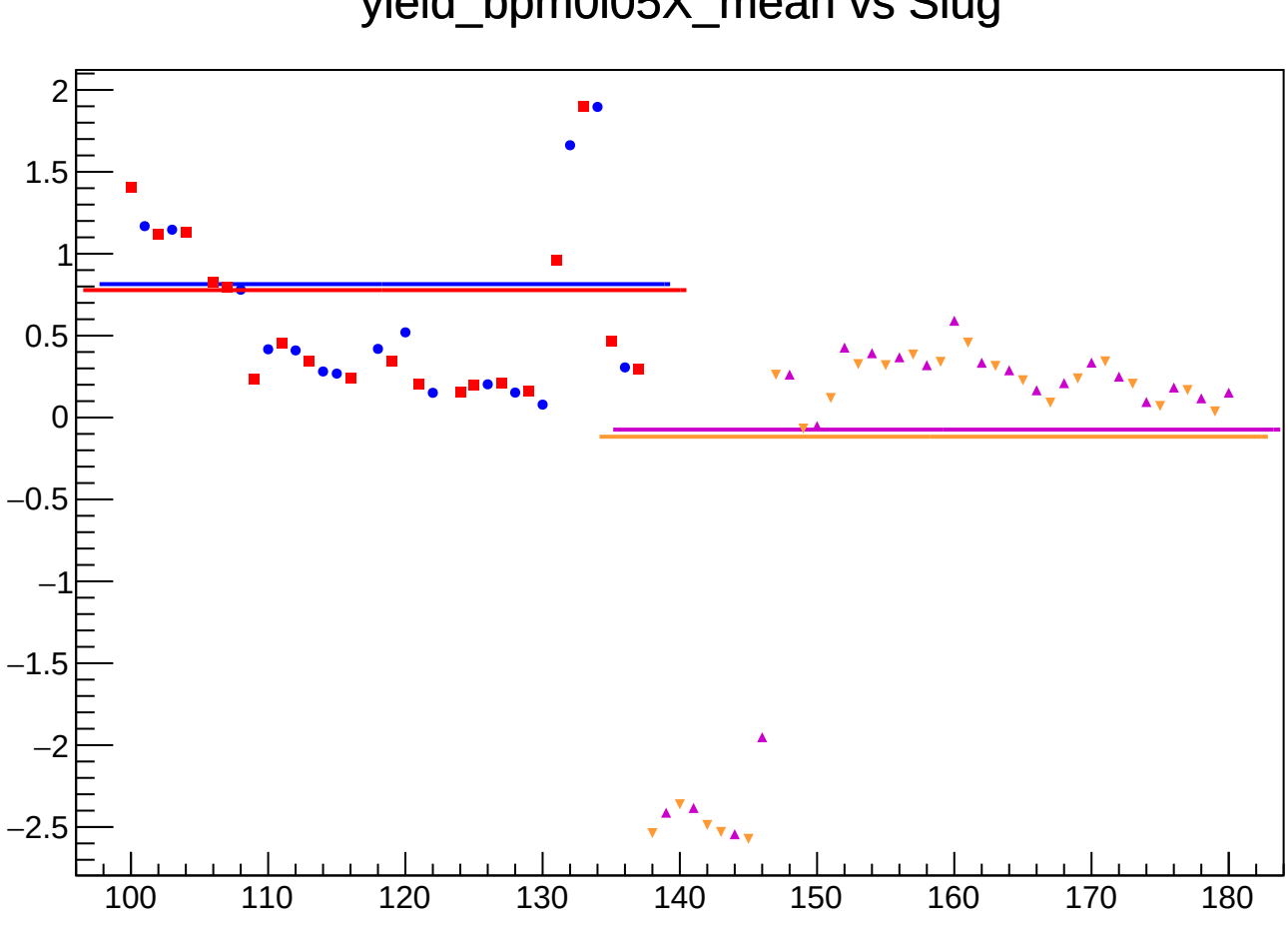
Left In: 0.214+/-0.000 χ^2/NDF:86796364207.4/20

+ sign 0.113+/-0.000 χ^2/NDF: 962171865563.2/37

All: 0.120+/-0.000 χ^2/NDF: 1989592595884.

- sign 0.126+/-0.000 χ^2/NDF: 1027338250413.4/39


yield_bpm0l04Y_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
170
180
Right In: 0.004+/-0.000 χ²/NDF: 180415.0/15
Left Out: 0.006+/-0.000 χ²/NDF:729118.8/21
Right Out: 0.004+/-0.000 χ²/NDF: 224729.1/18
Left In: 0.006+/-0.000 χ²/NDF:811362.6/20
+ sign 0.005+/-0.000 χ²/NDF: 3928236.1/37
All: 0.005+/-0.000 χ²/NDF: 8159298.3/77
- sign 0.005+/-0.000 χ²/NDF: 4224681.0/39



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.117+/-0.000 χ^2/NDF:381865712369.0/21

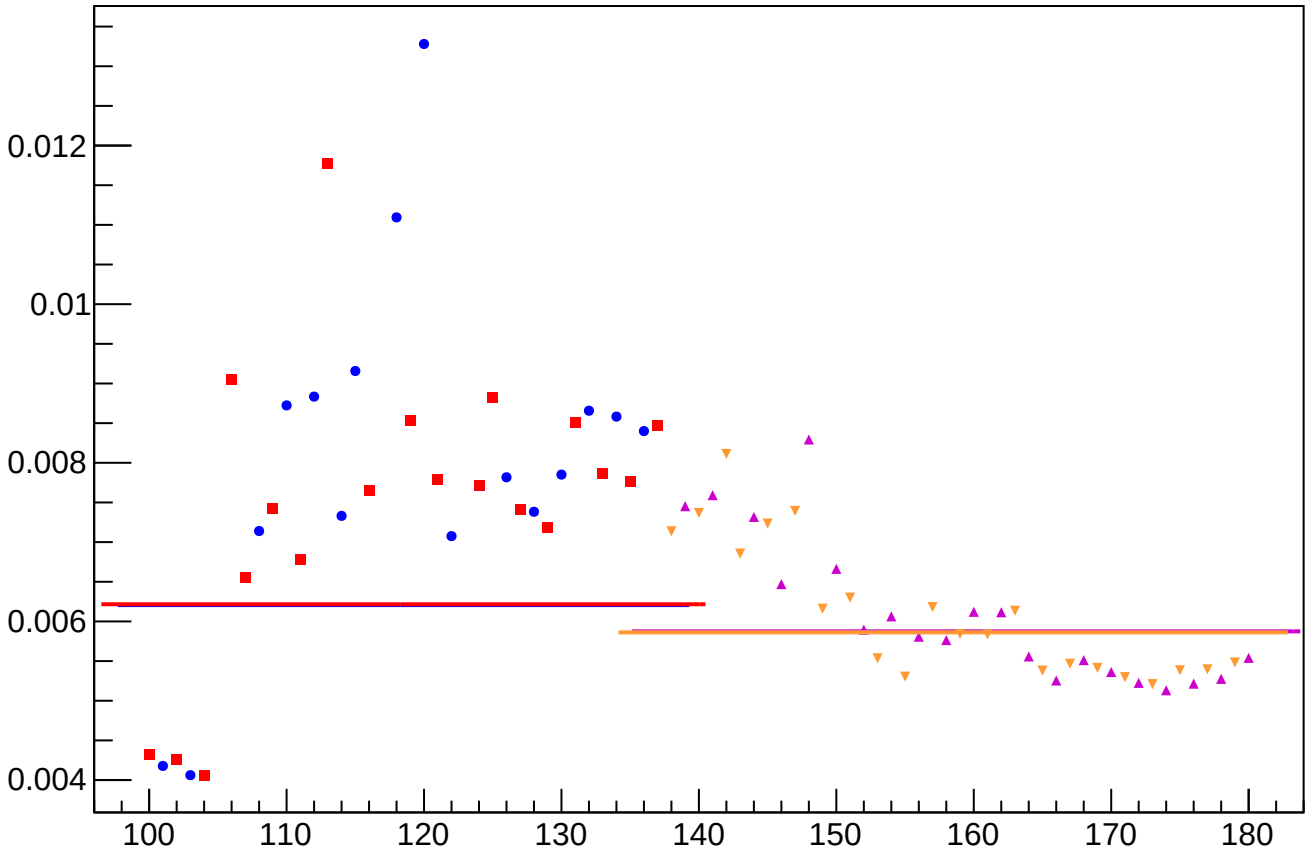
Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.074+/-0.000 χ^2/NDF:344242528005.8/20

+ sign 0.105+/-0.000 χ^2/NDF: 512575627043.1/37

All: 0.124+/-0.000 χ^2/NDF: 975915493019.2

- sign 0.143+/-0.000 χ^2/NDF: 462913623740.1/39



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:437687.6/21

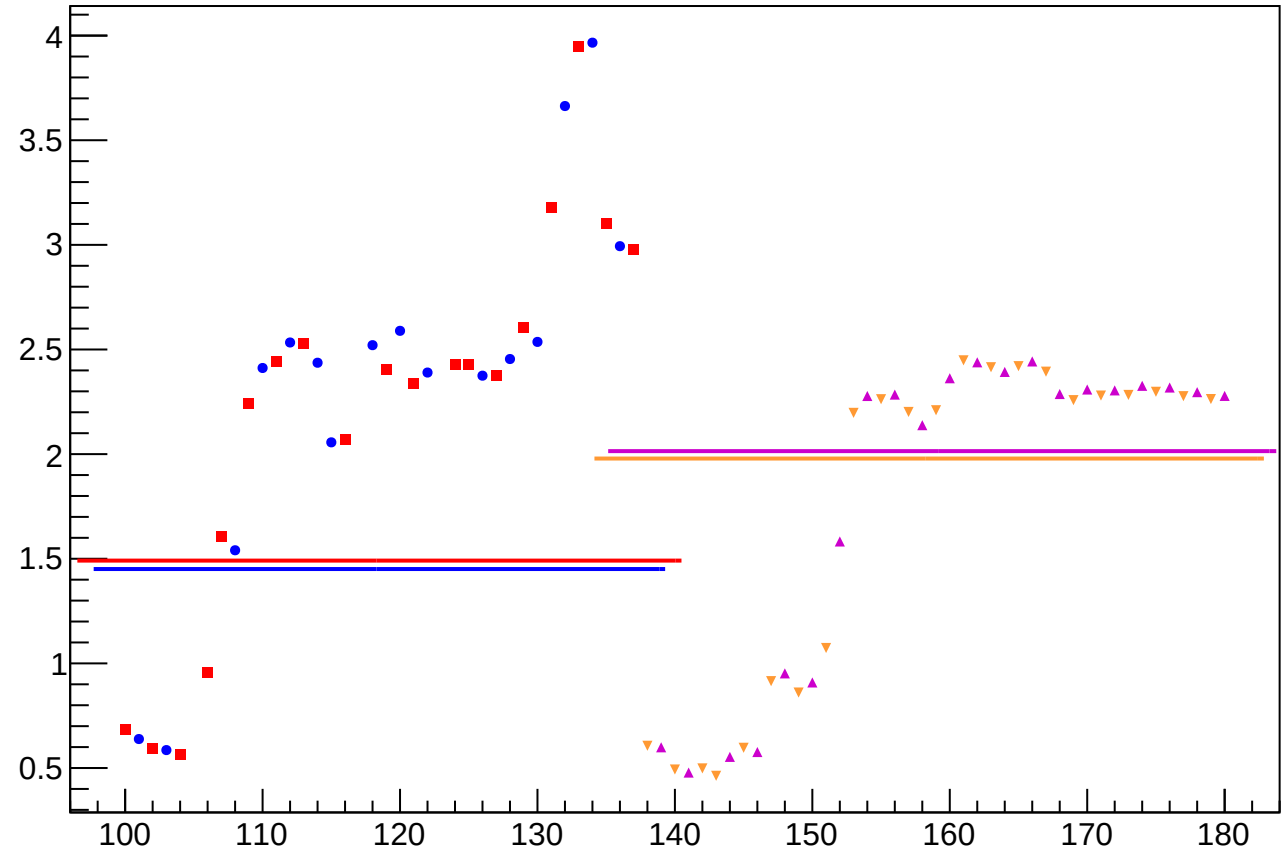
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:519997.3/20

+ sign 0.006+/-0.000 χ^2/NDF: 1887540.6/37

All: 0.006+/-0.000 χ^2/NDF: 3595907.9/77

- 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: 1.979+/-0.000 χ^2/NDF:215426985559.2/21

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

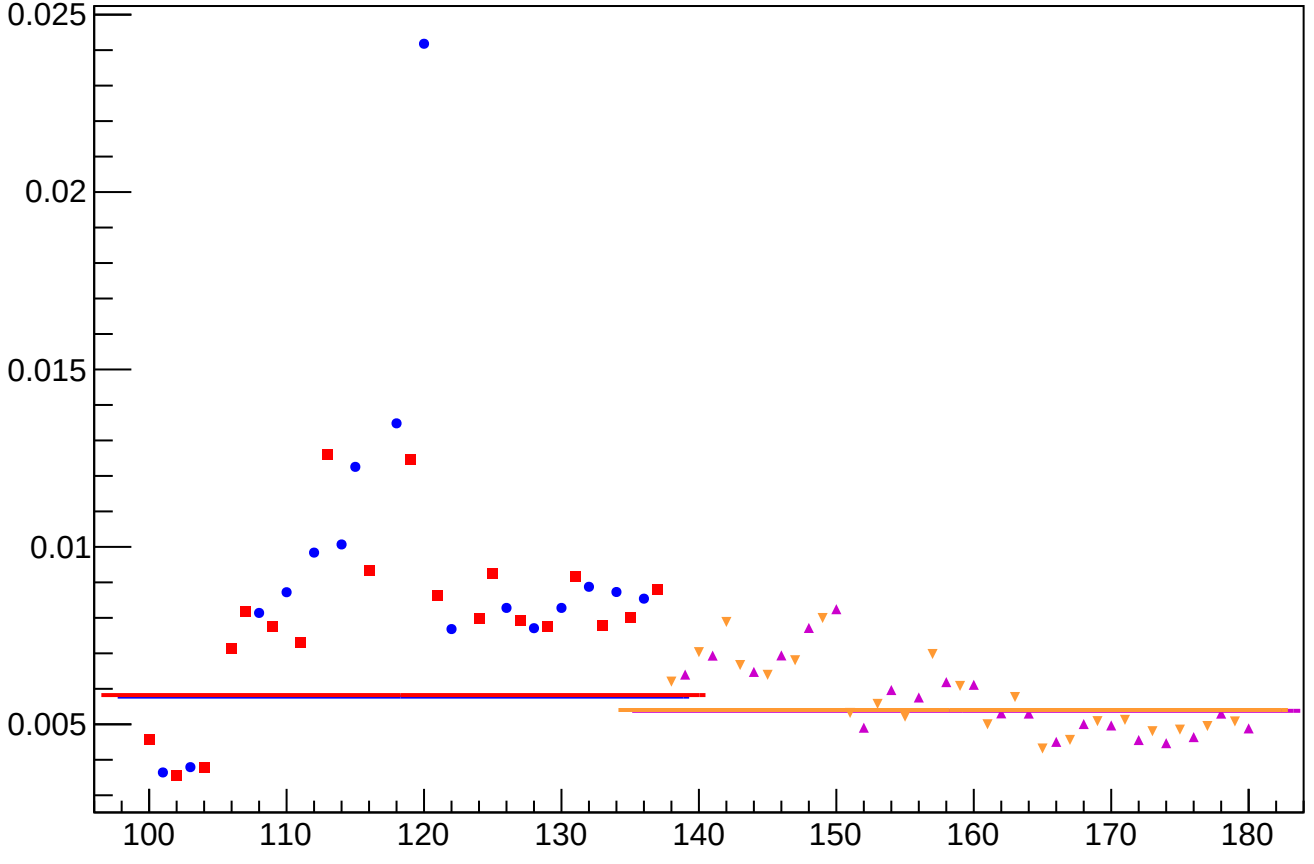
Left In: 2.014+/-0.000 χ^2/NDF:192800367073.9/20

+ sign 1.858+/-0.000 χ^2/NDF: 417274667386.0/37

All: 1.873+/-0.000 χ^2/NDF: 830775322248.2

- 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:709447.7/21

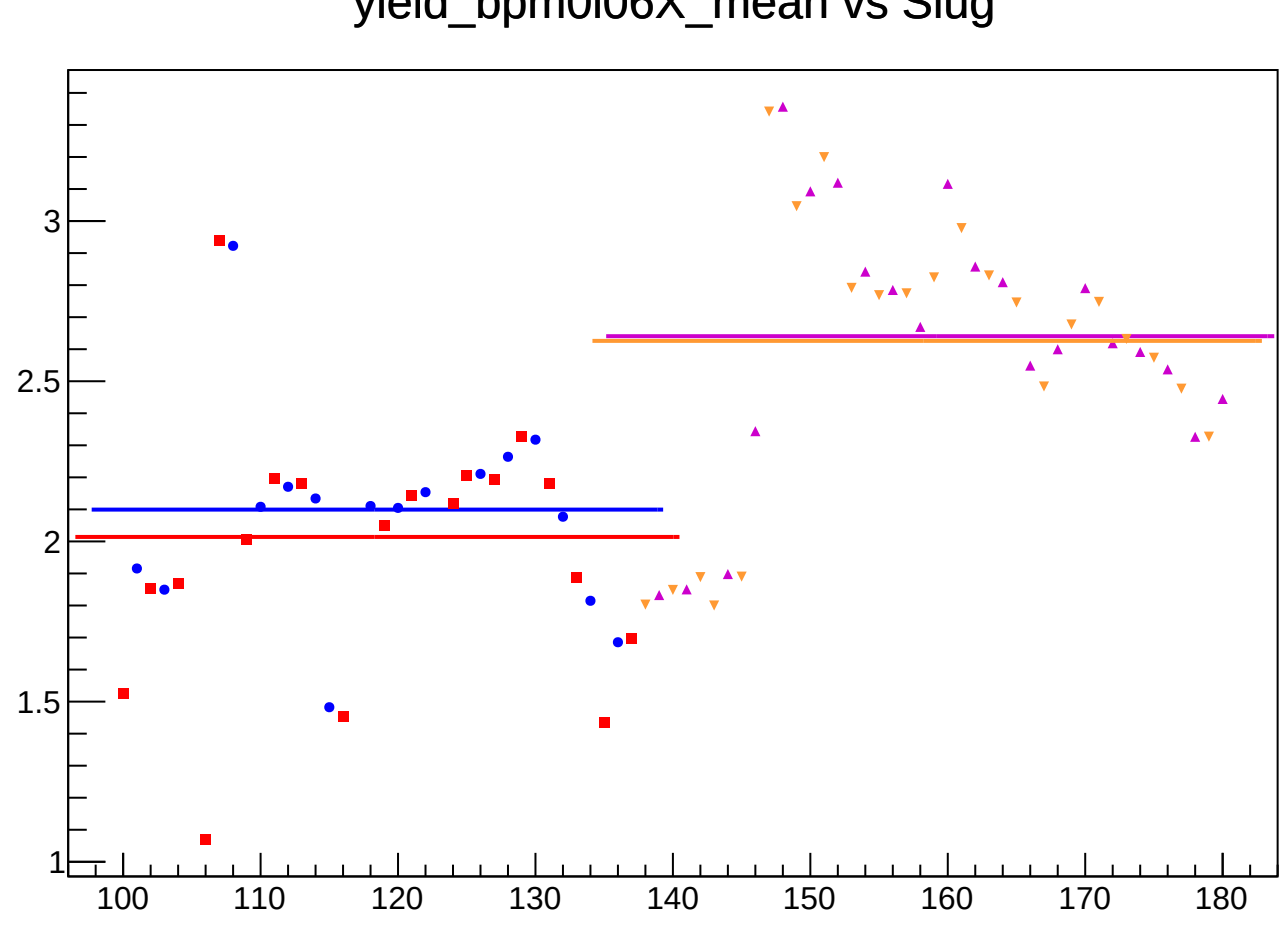
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:801765.5/20

+ sign 0.005+/-0.000 χ^2/NDF: 2956219.9/37

All: 0.005+/-0.000 χ^2/NDF: 5761861.6/77

- 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: 2.626+/-0.000 χ^2/NDF:45904149268.9/21

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

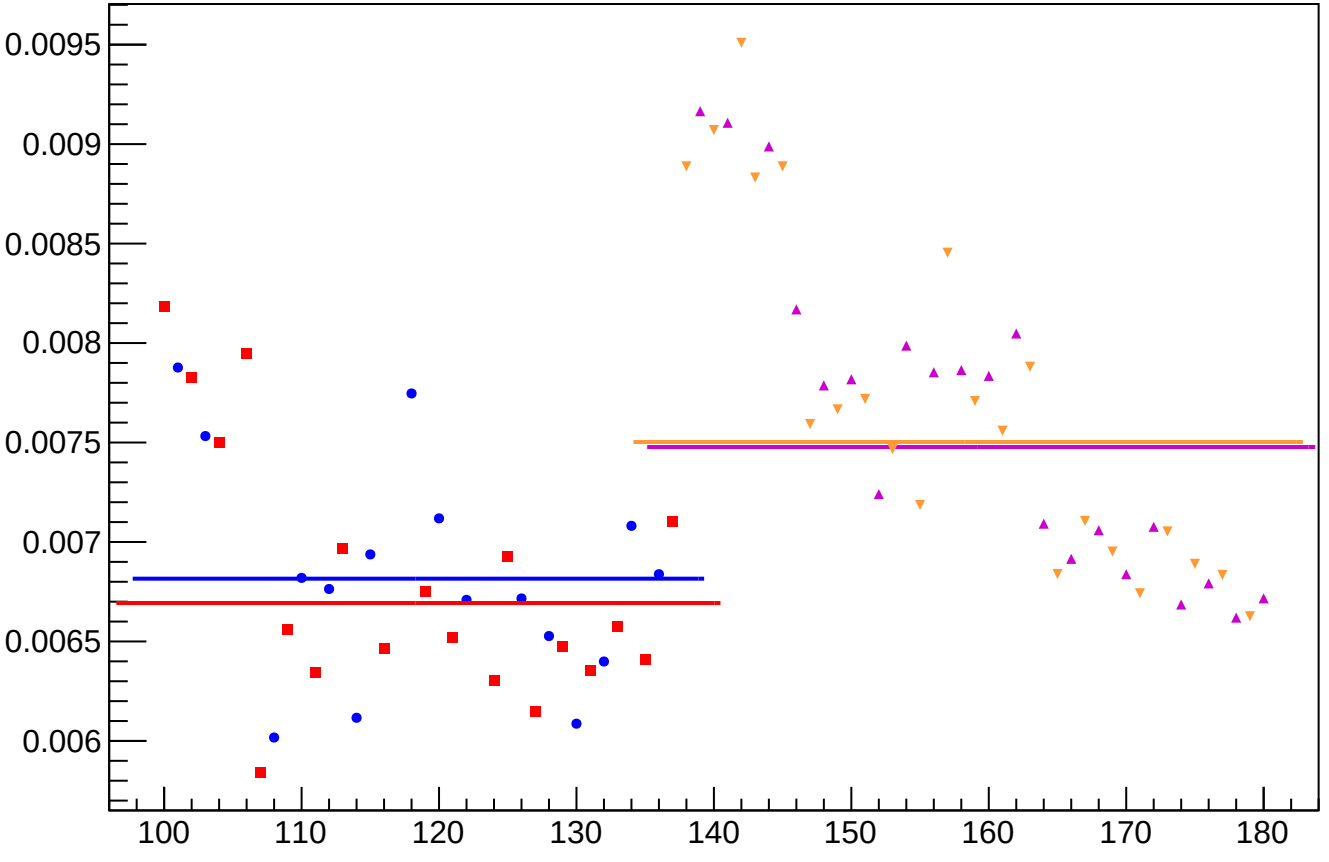
Left In: 2.641+/-0.000 χ^2/NDF:40201519884.5/20

+ sign 2.449+/-0.000 χ^2/NDF: 86919565990.8/37

All: 2.434+/-0.000 χ^2/NDF: 187399474690.8

- 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: 0.008+/-0.000 χ^2/NDF:323247.9/21

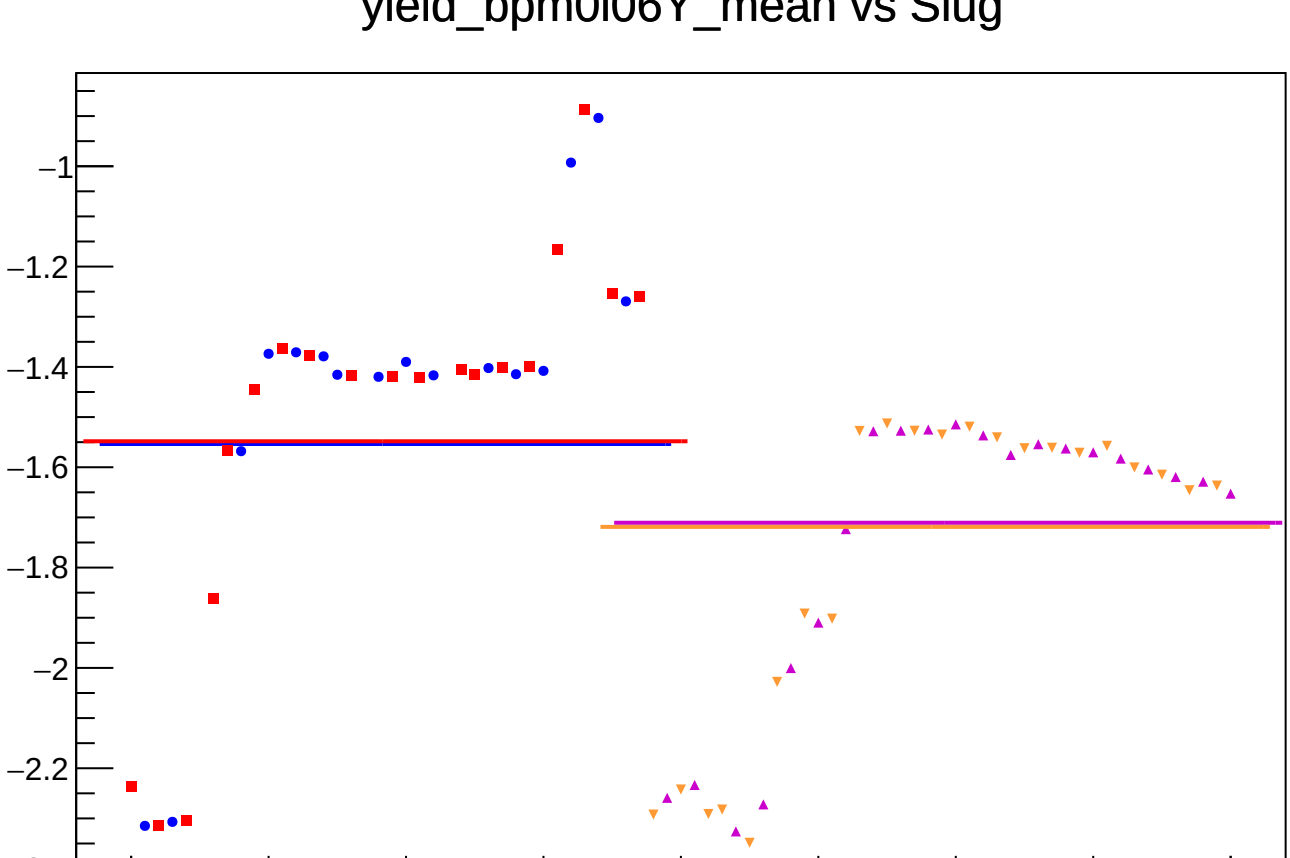
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.007+/-0.000 χ^2/NDF:320930.9/20

+ sign 0.007+/-0.000 χ^2/NDF: 502217.8/37

All: 0.007+/-0.000 χ^2/NDF: 1040041.5/77

- 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: -1.719+/-0.000 χ^2/NDF:149210512854.8/21

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

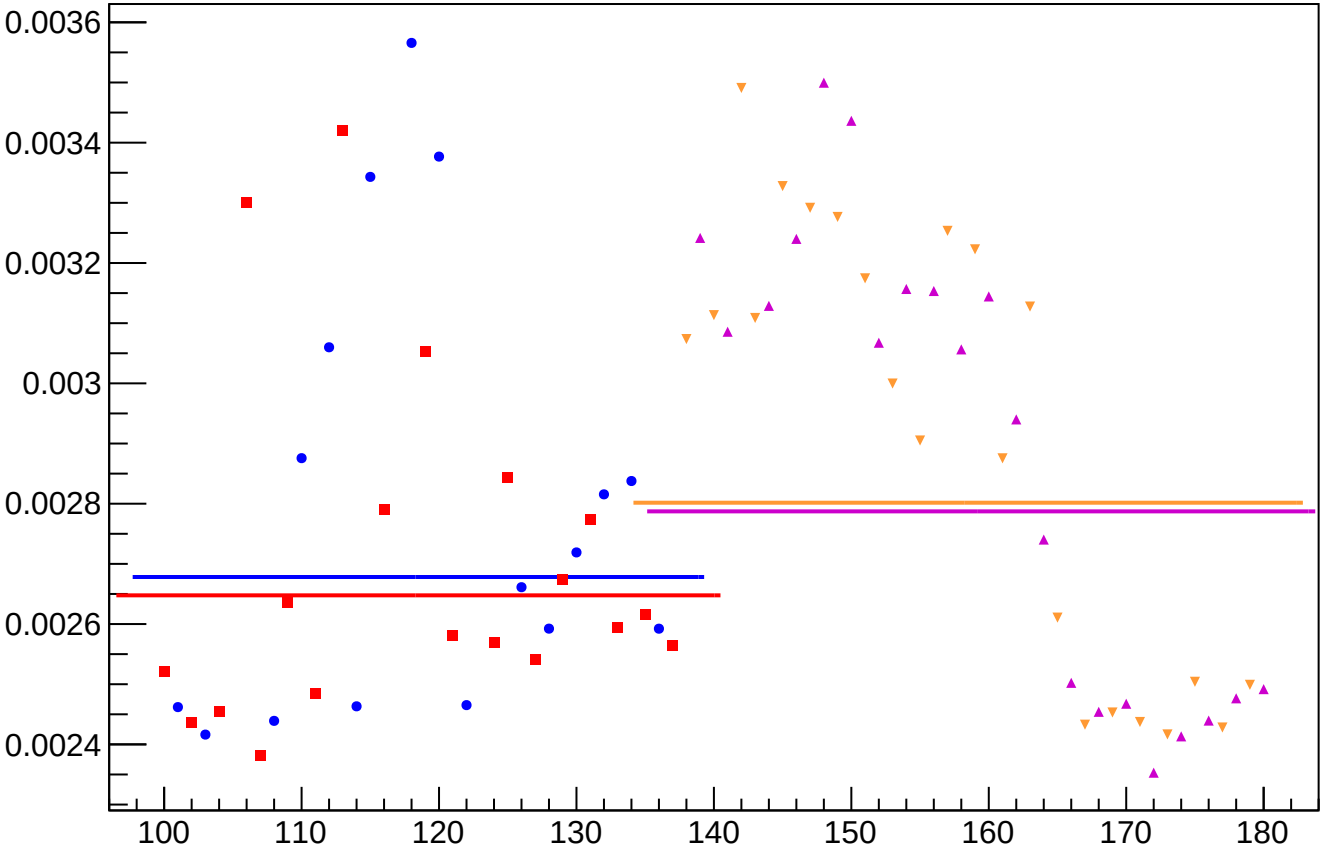
Left In: -1.711+/-0.000 χ^2/NDF:135548887936.1/20

+ sign -1.667+/-0.000 χ^2/NDF: 341958460314.7/37

All: -1.662+/-0.000 χ^2/NDF: 670184212696.

- 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:509396.1/21

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

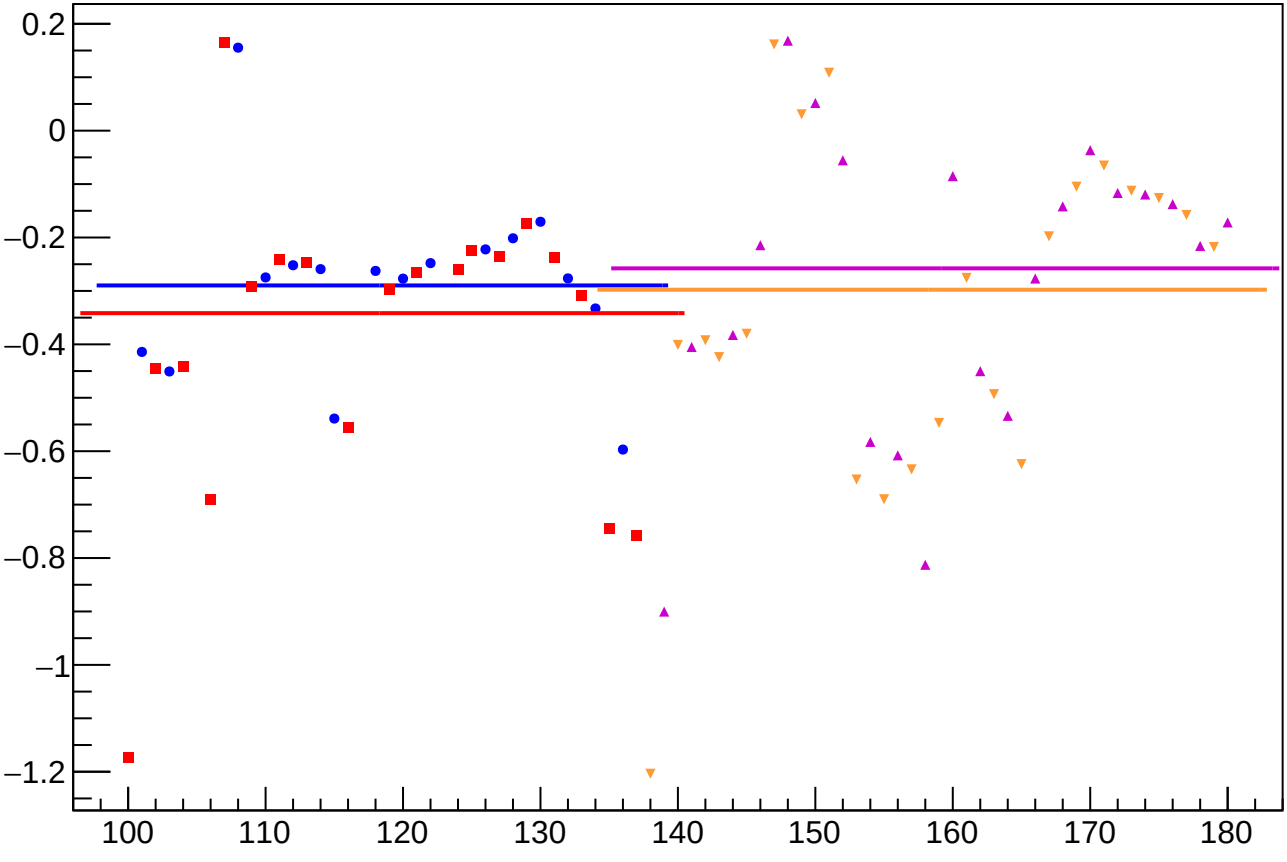
Left In: 0.003+/-0.000 χ^2/NDF:555816.9/20

+ sign 0.003+/-0.000 χ^2/NDF: 686891.1/37

All: 0.003+/-0.000 χ^2/NDF: 1386496.7/77

- 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: -0.298+/-0.000 χ^2/NDF:9117289948.5/21

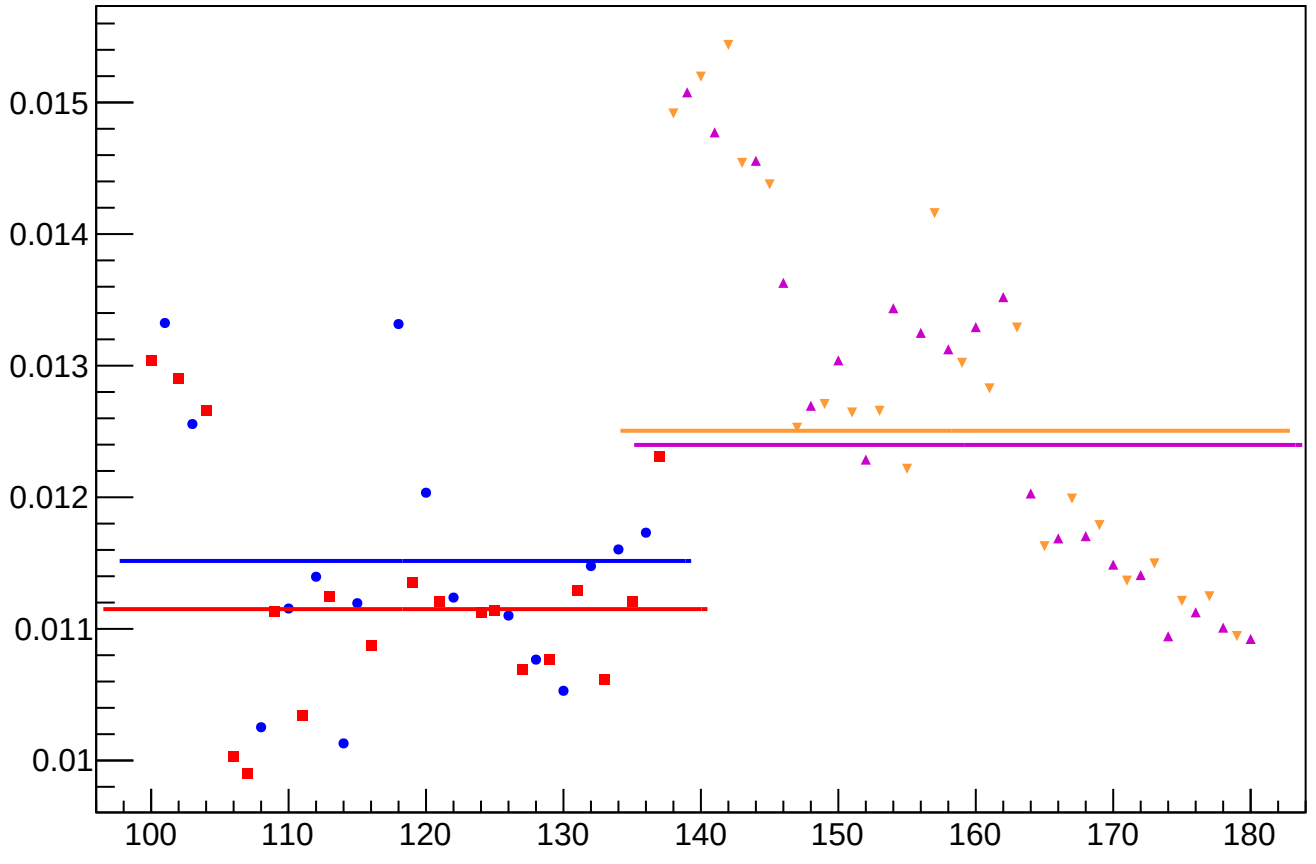
Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.258+/-0.000 χ^2/NDF:7099282916.9/20

+ sign -0.295+/-0.000 χ^2/NDF: 10764705315.2/37

All: -0.291+/-0.000 χ^2/NDF: 20742193674.5/

- sign -0.288+/-0.000 χ^2/NDF: 9972864608.7/39



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:316899.7/21

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

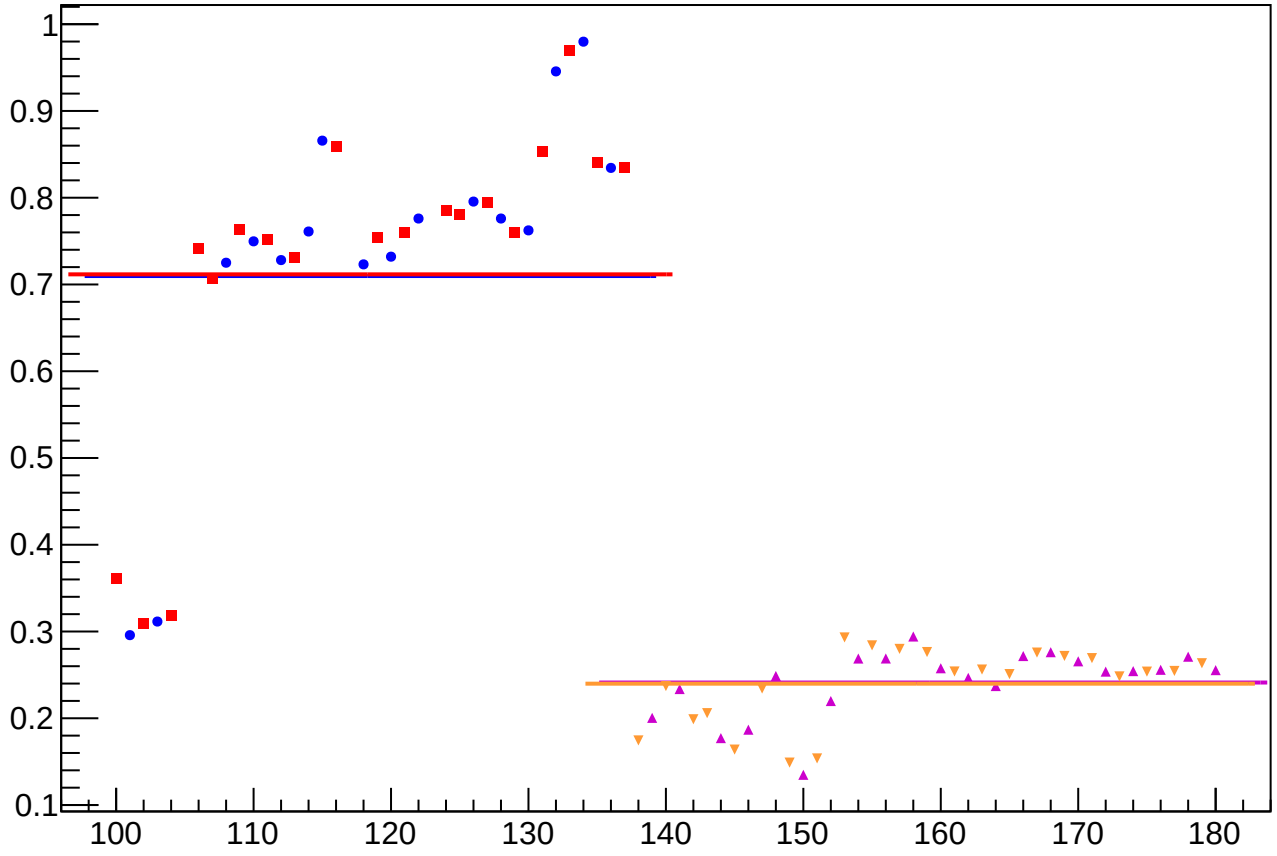
Left In: 0.012+/-0.000 χ^2/NDF:324999.9/20

+ sign 0.012+/-0.000 χ^2/NDF: 469402.7/37

All: 0.012+/-0.000 χ^2/NDF: 990123.1/77

- sign 0.012+/-0.000 χ^2/NDF: 512743.5/39

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.240+/-0.000 χ^2/NDF:6990905603.1/21

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

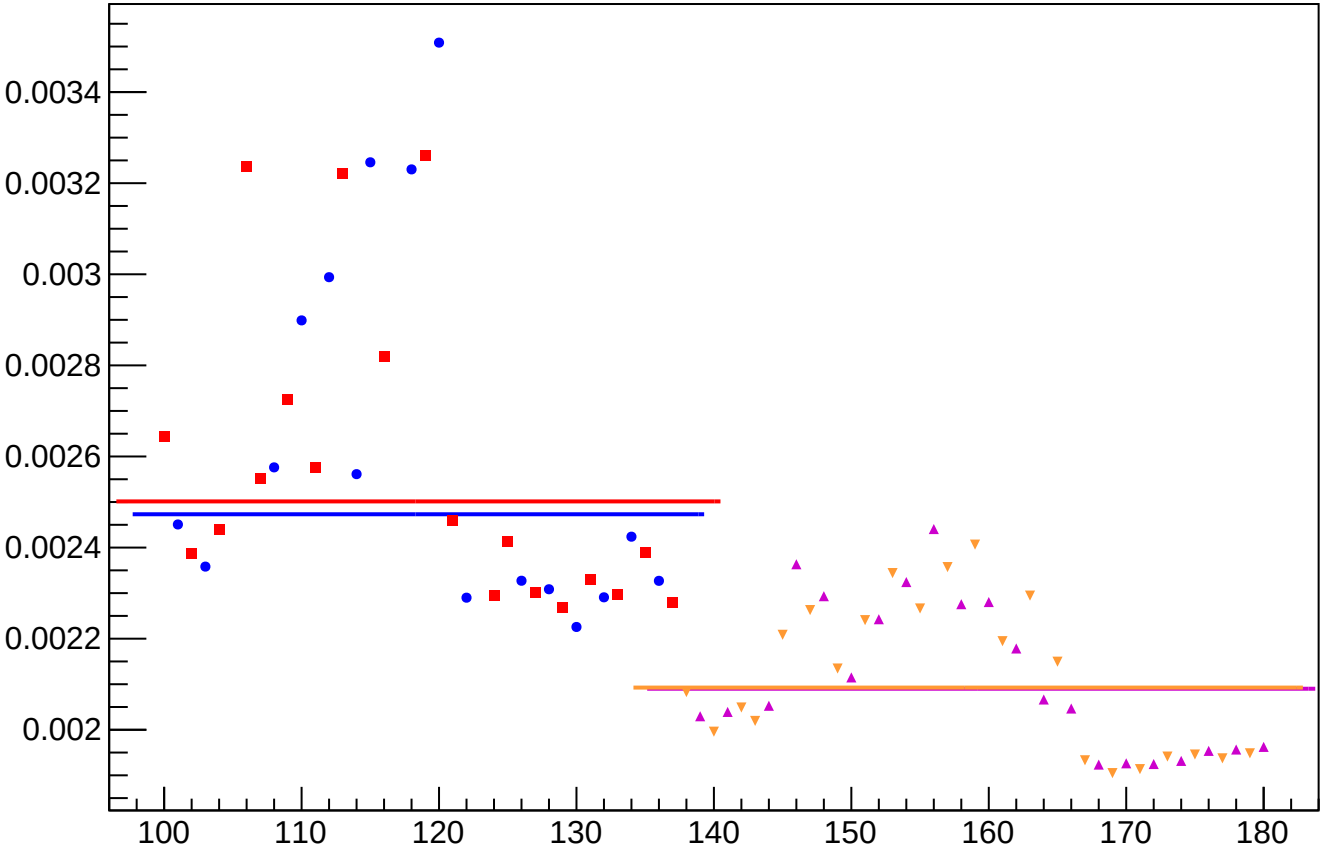
Left In: 0.241+/-0.000 χ^2/NDF:5668698278.3/20

+ sign 0.344+/-0.000 χ^2/NDF: 247657435042.7/37

All: 0.345+/-0.000 χ^2/NDF: 490623693142.4

- 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:202144.3/21

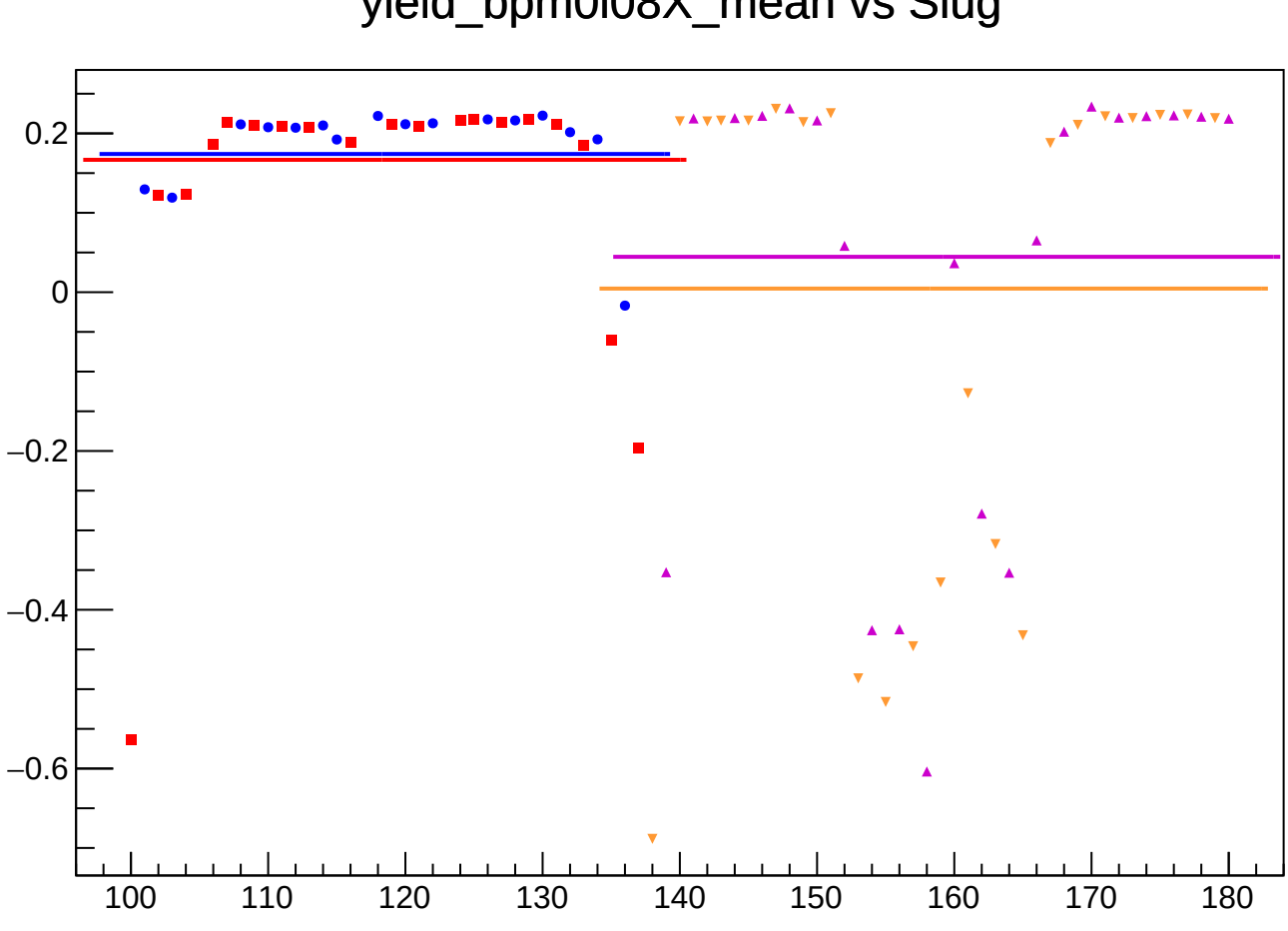
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:195050.4/20

\+ sign 0.002+/-0.000 χ^2/NDF: 661709.6/37

All: 0.002+/-0.000 χ^2/NDF: 1329465.3/77

\- 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: 0.005+/-0.000 χ^2/NDF:12356533570.2/21

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

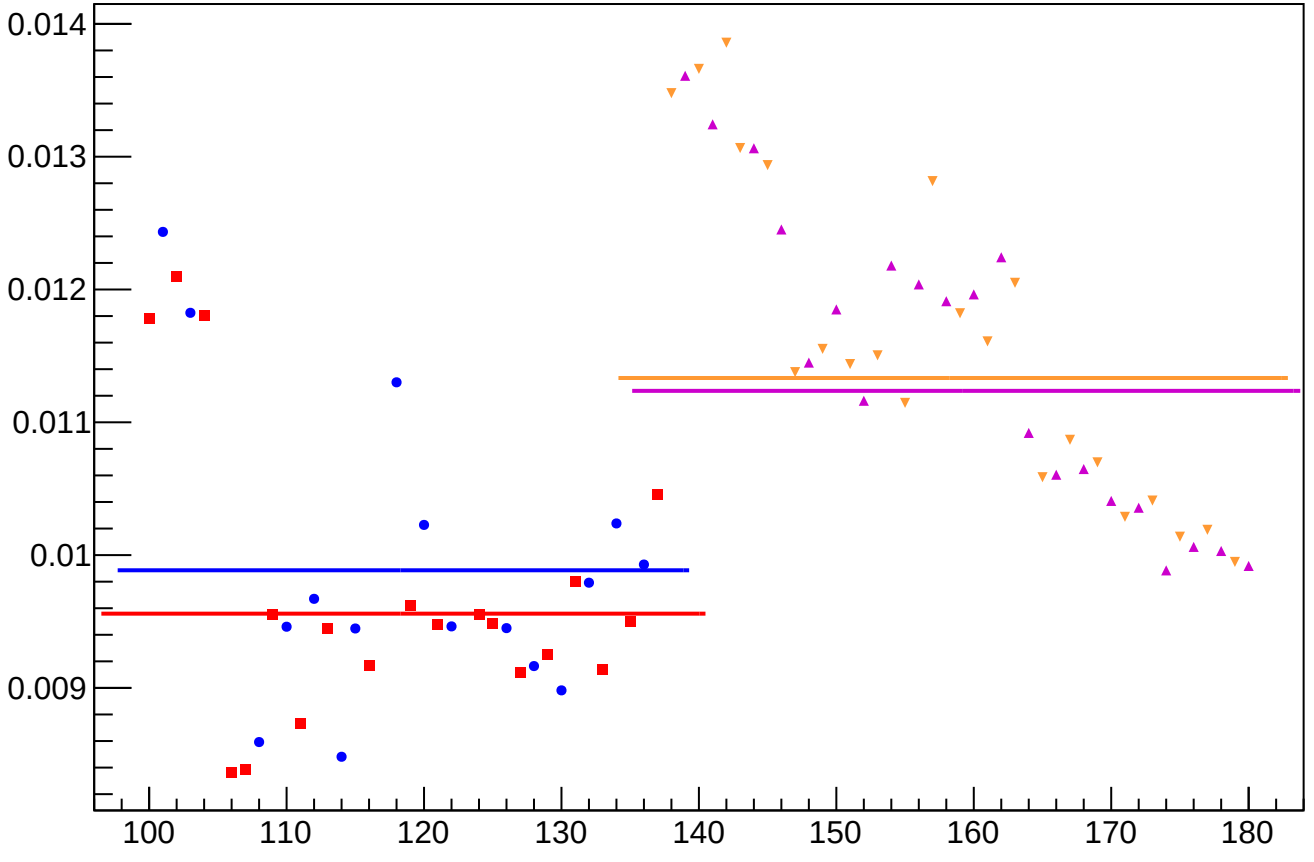
Left In: 0.045+/-0.000 χ^2/NDF:9475682941.3/20

+ sign 0.064+/-0.000 χ^2/NDF: 14062556022.0/37

All: 0.078+/-0.000 χ^2/NDF: 25234167653.5/7

- 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:303915.6/21

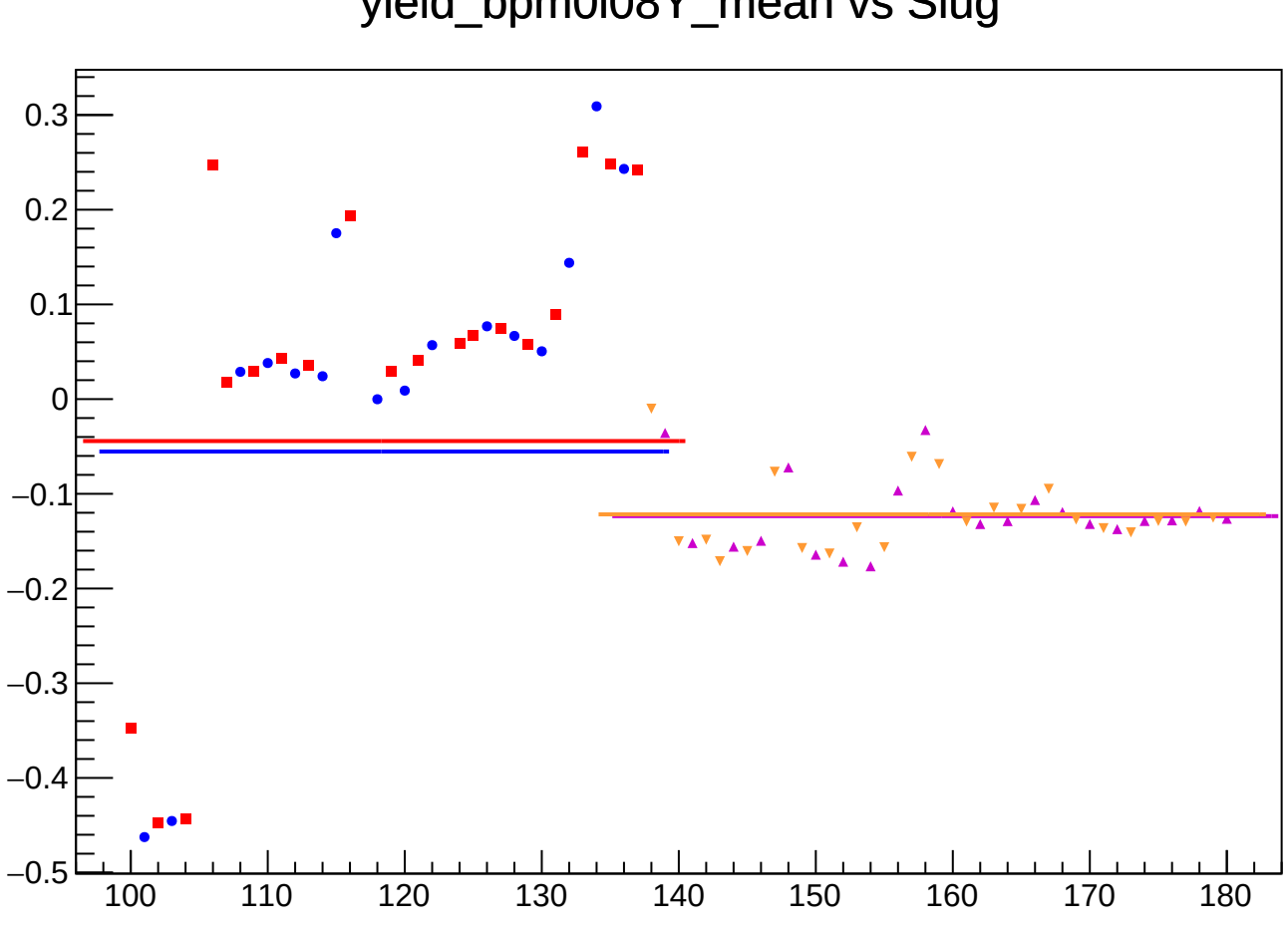
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:314186.5/20

+ sign 0.011+/-0.000 χ^2/NDF: 642822.5/37

All: 0.011+/-0.000 χ^2/NDF: 1378768.0/77

- 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:2918171514.7/21

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

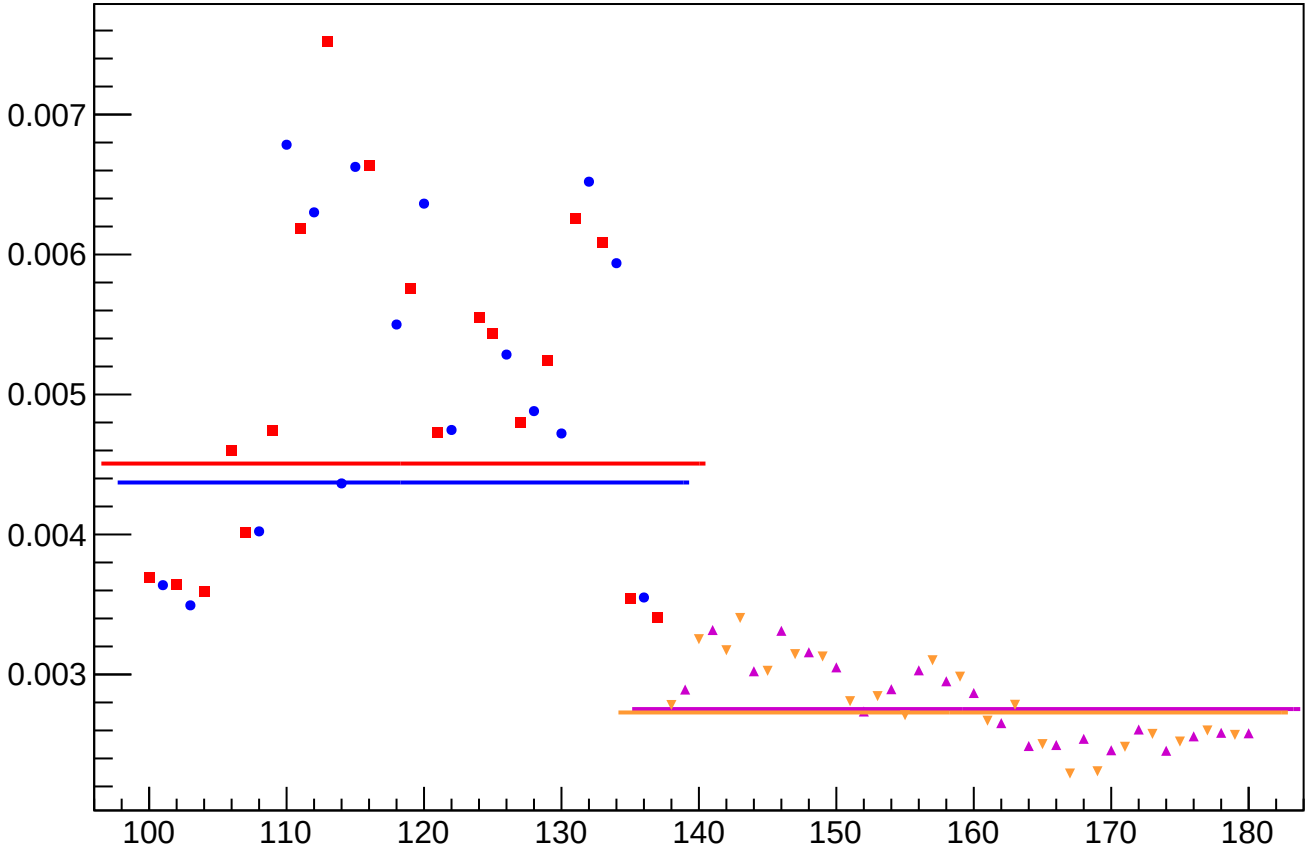
Left In: -0.124+/-0.000 χ^2/NDF:2808425655.9/20

+ sign -0.113+/-0.000 χ^2/NDF: 28229882130.3/37

All: -0.113+/-0.000 χ^2/NDF: 54900849400.2/

- 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:383618.9/21

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

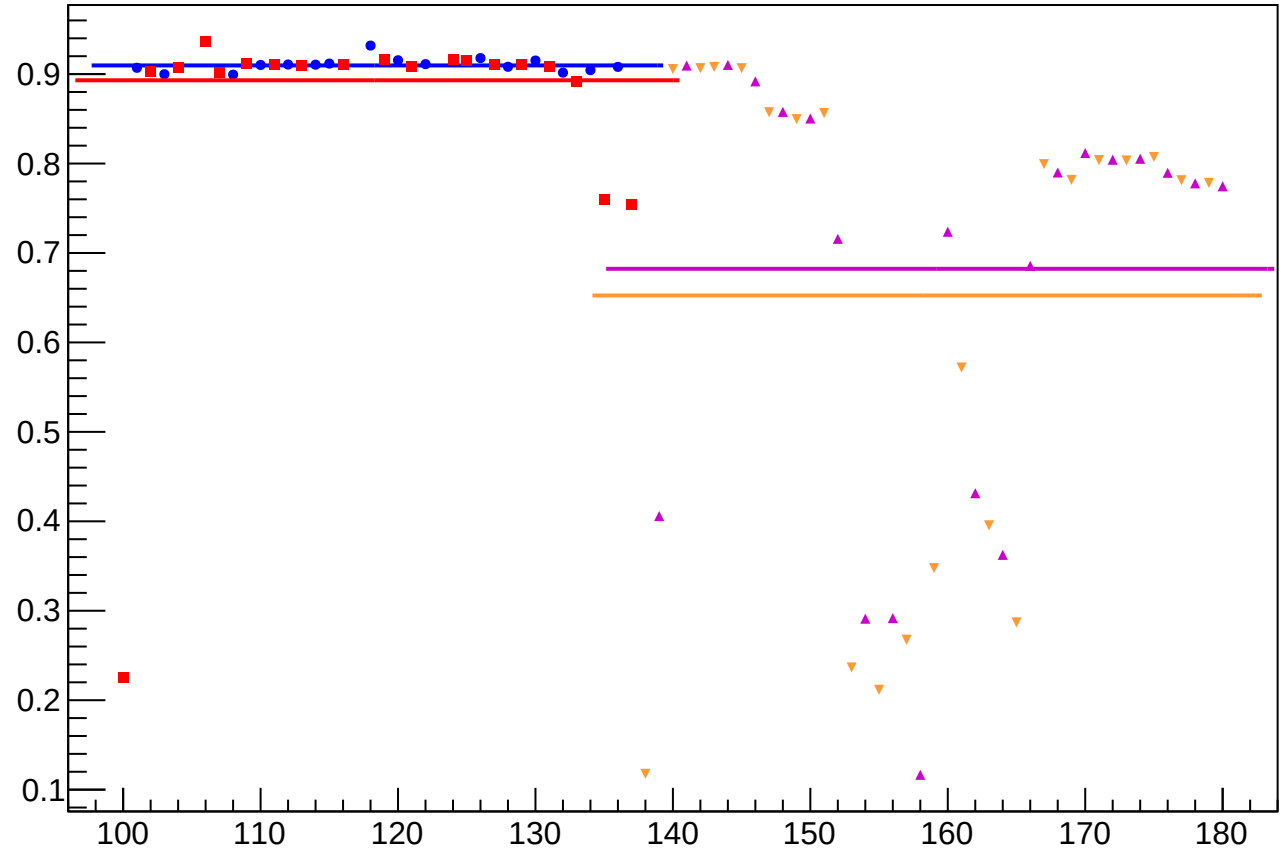
Left In: 0.003+/-0.000 χ^2/NDF:292045.8/20

+ sign 0.003+/-0.000 χ^2/NDF: 2551546.5/37

All: 0.003+/-0.000 χ^2/NDF: 5242129.7/77

- 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: 0.652+/-0.000 χ^2/NDF:8997817902.8/21

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

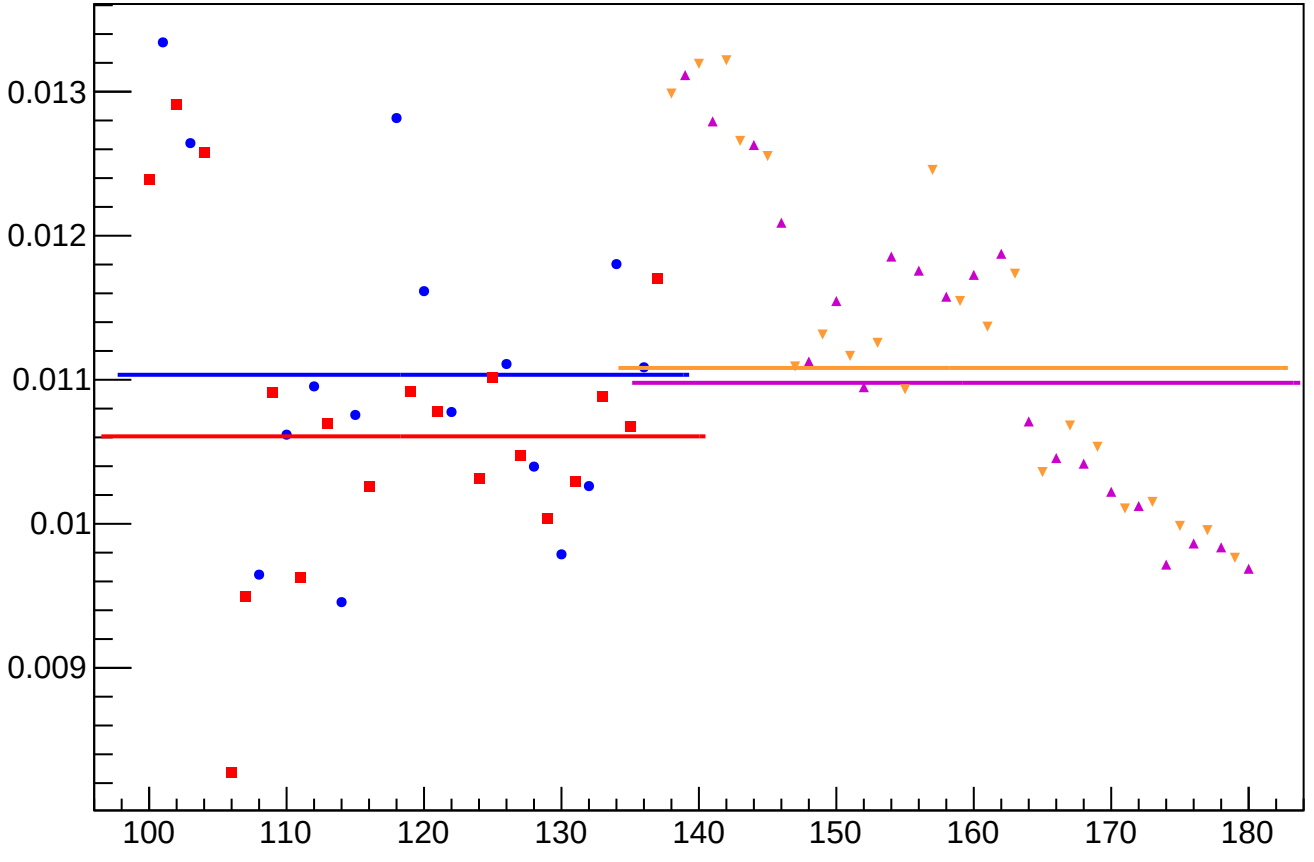
Left In: 0.682+/-0.000 χ^2/NDF:6933103022.5/20

+ sign 0.728+/-0.000 χ^2/NDF: 11633825357.6/37

All: 0.739+/-0.000 χ^2/NDF: 20875880024.2/7

- 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:274034.1/21

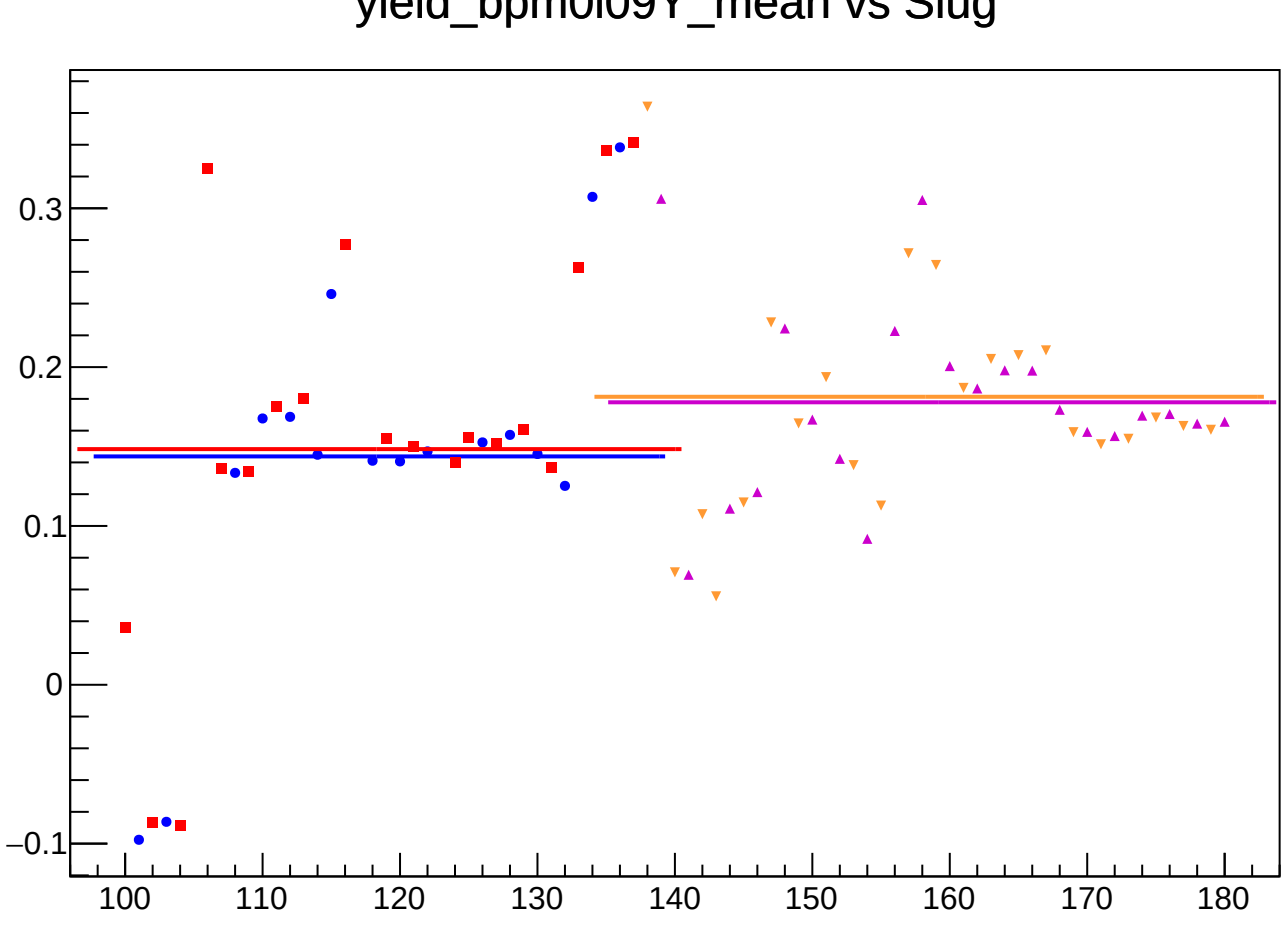
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:286613.3/20

+ sign 0.011+/-0.000 χ^2/NDF: 404566.6/37

All: 0.011+/-0.000 χ^2/NDF: 855638.8/77

- 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:6414439677.7/21

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

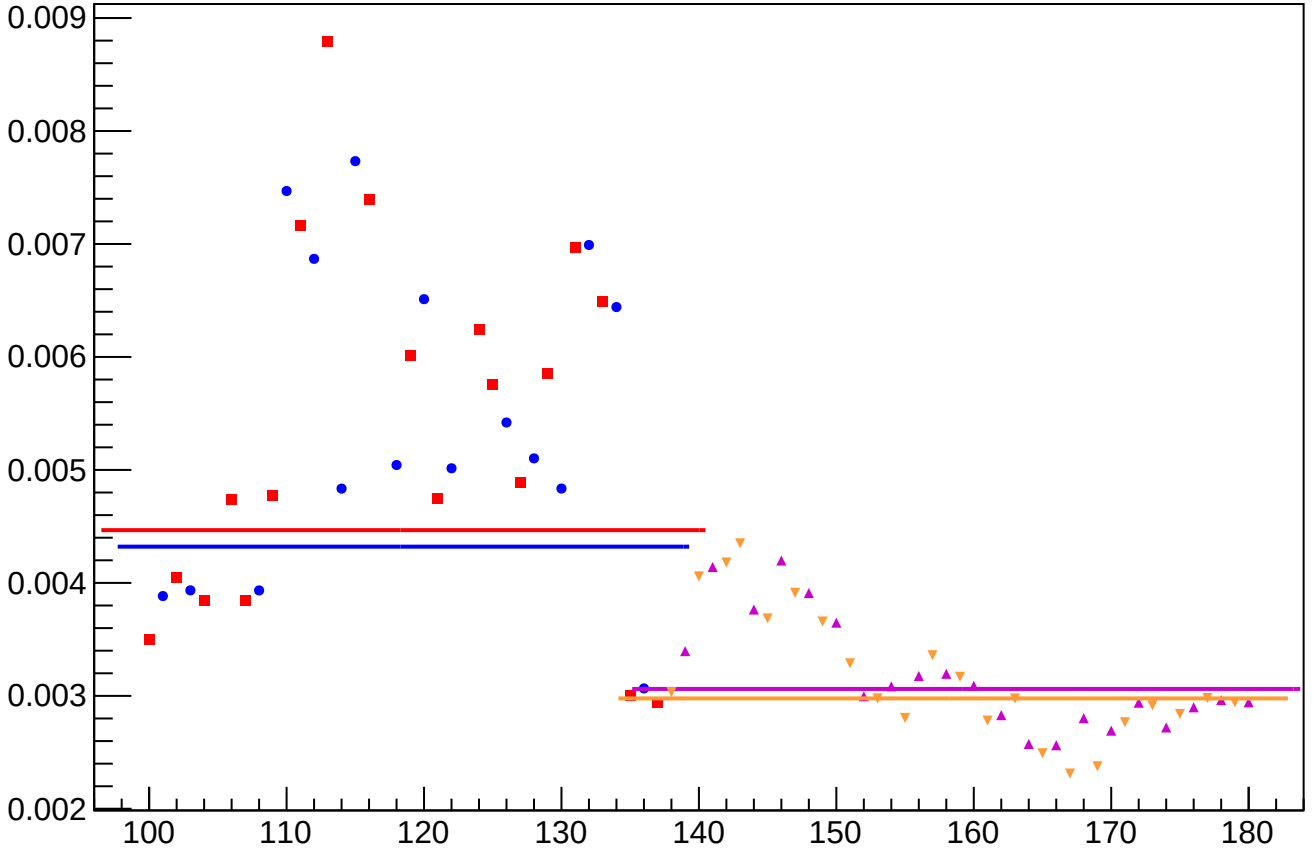
Left In: 0.178+/-0.000 χ^2/NDF:4606904262.9/20

+ sign 0.176+/-0.000 χ^2/NDF: 14651277364.1/37

All: 0.175+/-0.000 χ^2/NDF: 26612444476.7/7

- 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:844041.5/21

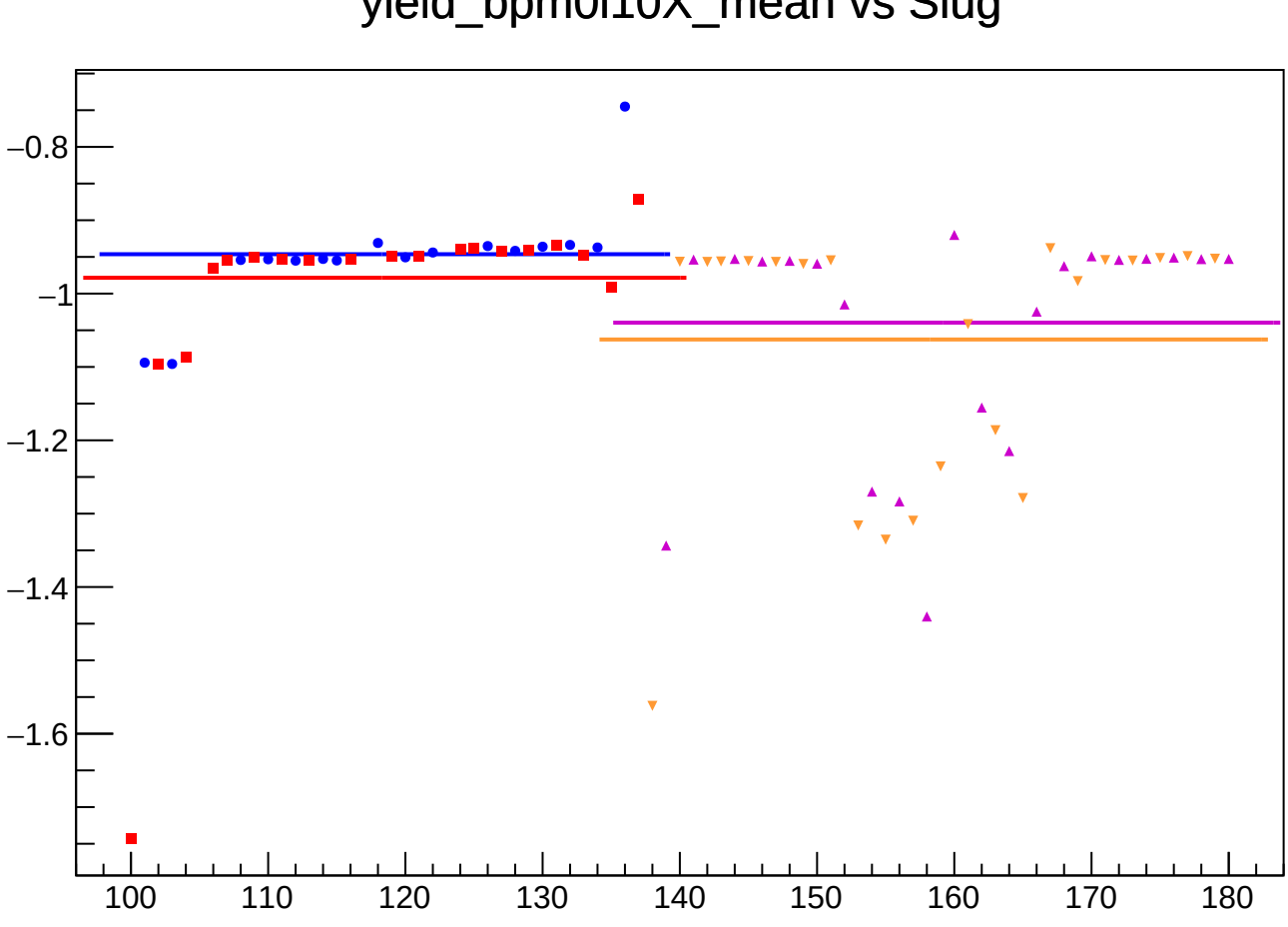
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:578465.5/20

+ sign 0.003+/-0.000 χ^2/NDF: 2668276.6/37

All: 0.003+/-0.000 χ^2/NDF: 5351769.0/77

- 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: -1.063+/-0.000 χ^2/NDF:4863855474.5/21

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

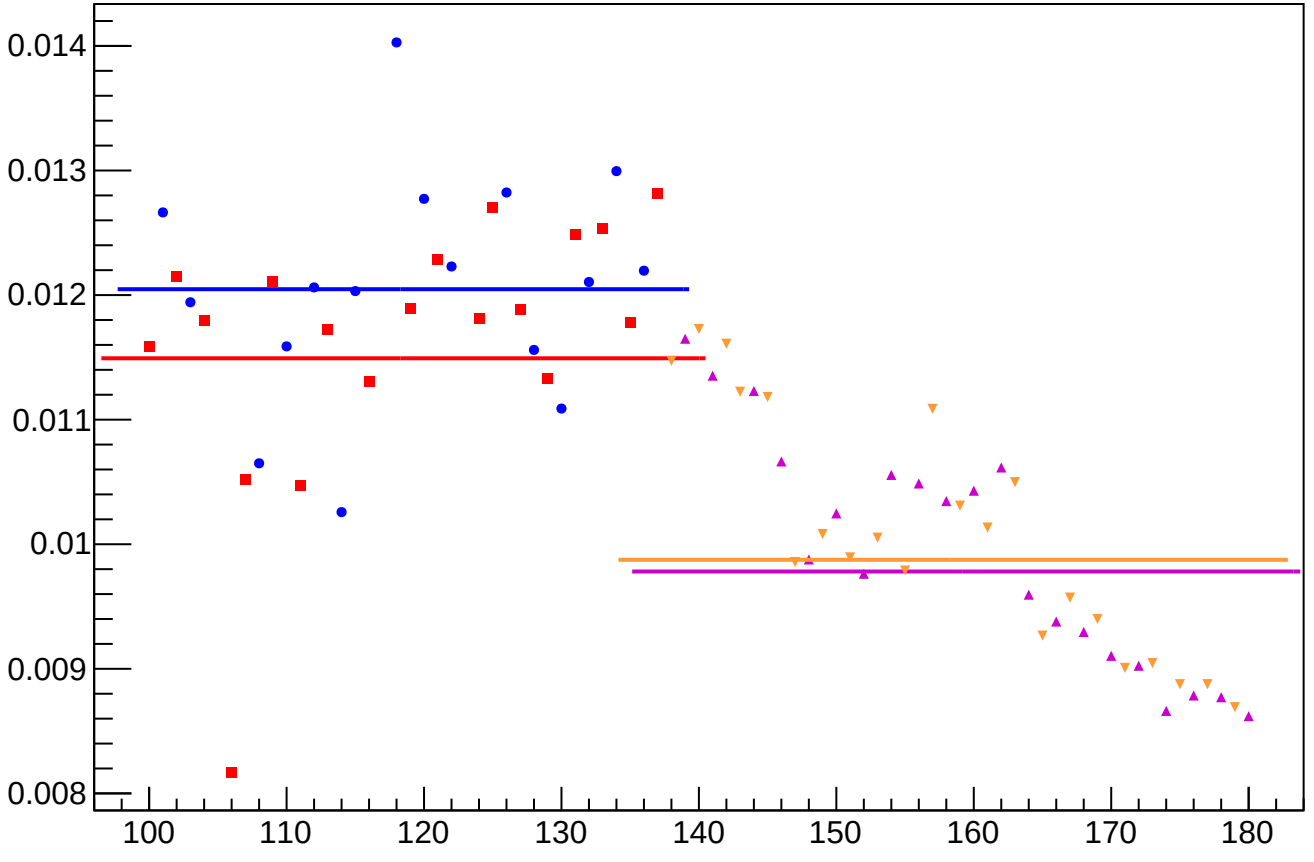
Left In: -1.040+/-0.000 χ^2/NDF:3852796416.9/20

+ sign -1.037+/-0.000 χ^2/NDF: 5769456779.0/37

All: -1.031+/-0.000 χ^2/NDF: 10254658134.2/

- 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:267102.1/21

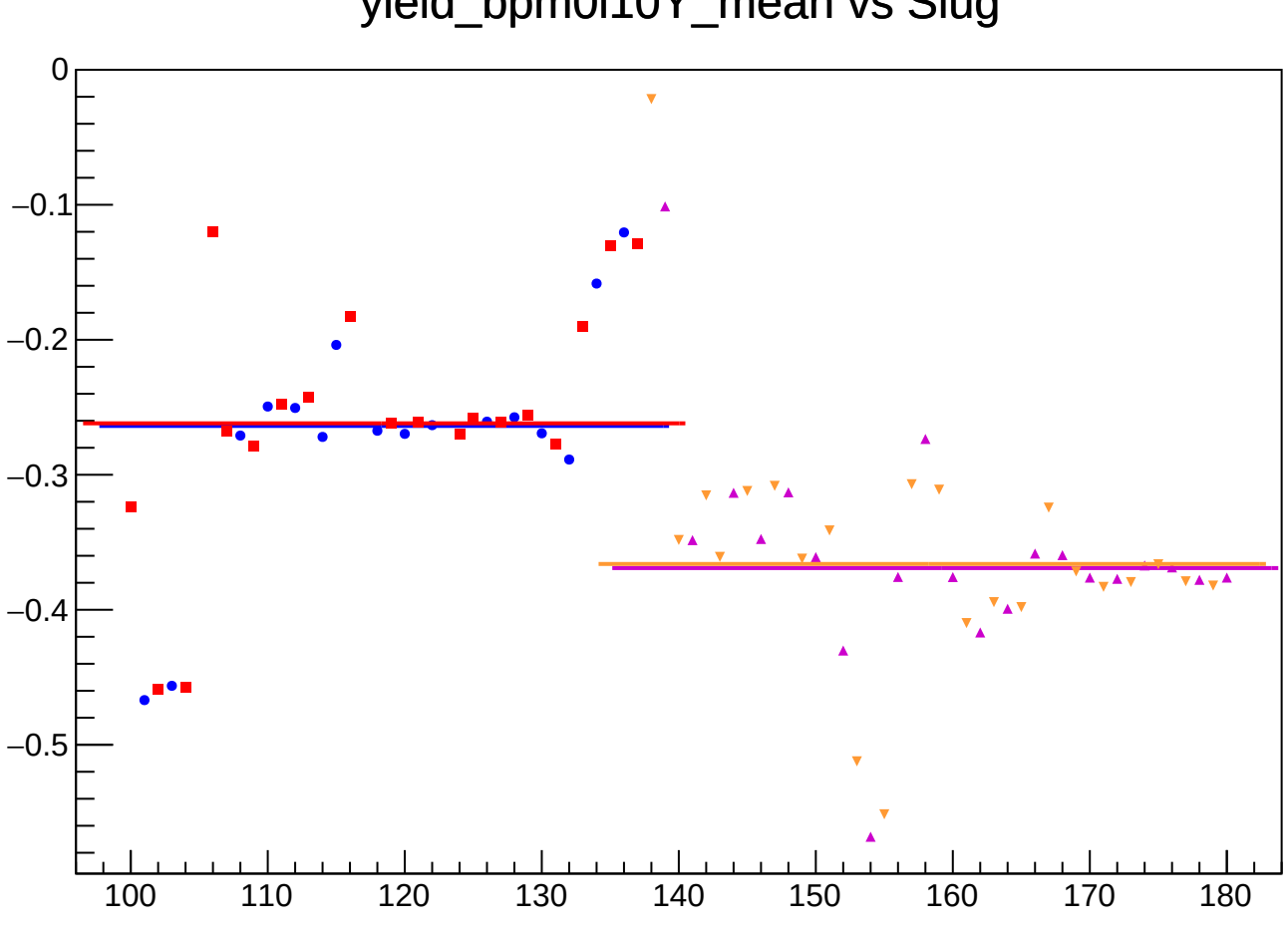
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:280787.9/20

+ sign 0.010+/-0.000 χ^2/NDF: 679435.3/37

All: 0.010+/-0.000 χ^2/NDF: 1358678.8/77

- 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:11937706679.0/21

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

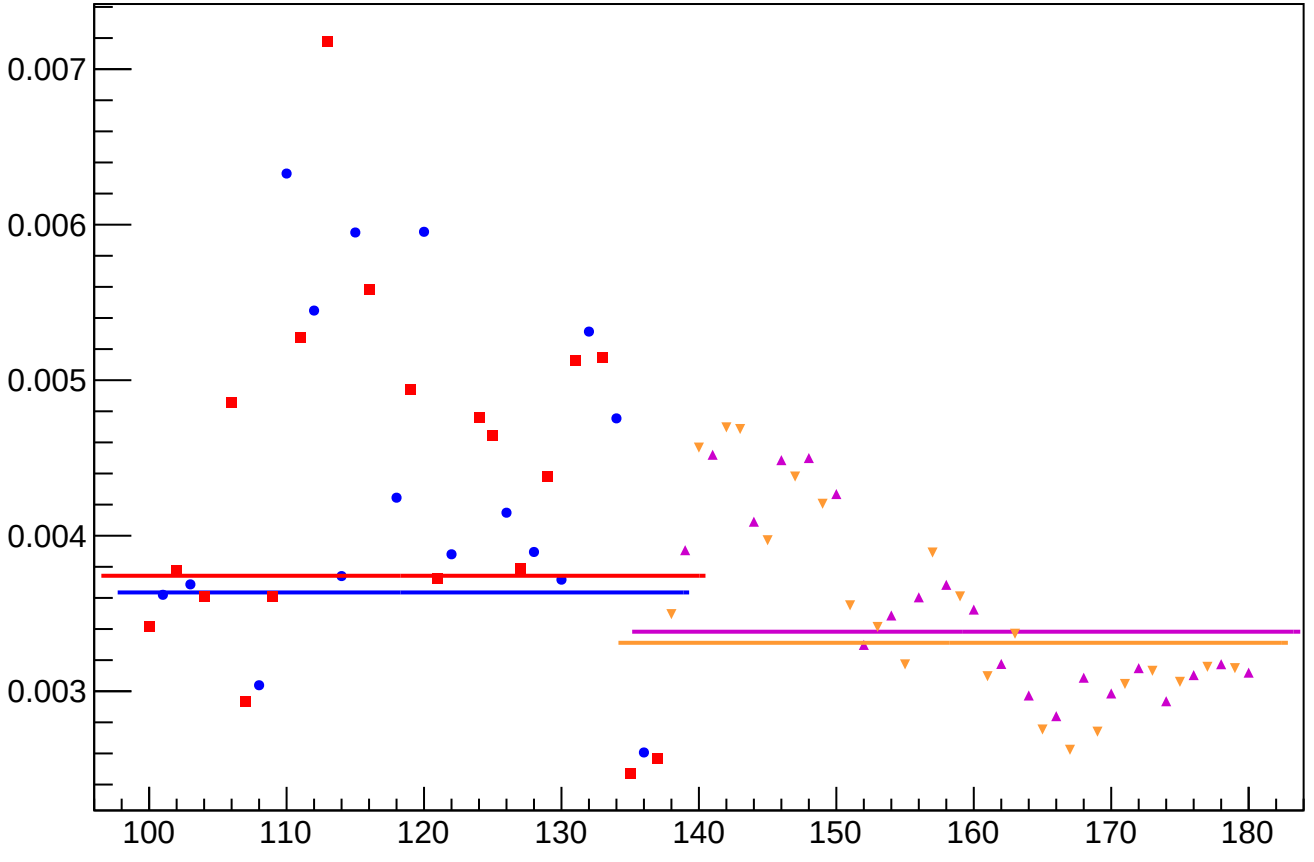
Left In: -0.369+/-0.000 χ^2/NDF:7580064339.7/20

+ sign -0.342+/-0.000 χ^2/NDF: 21549944557.0/37

All: -0.343+/-0.000 χ^2/NDF: 38141324186.7/

- 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:812192.2/21

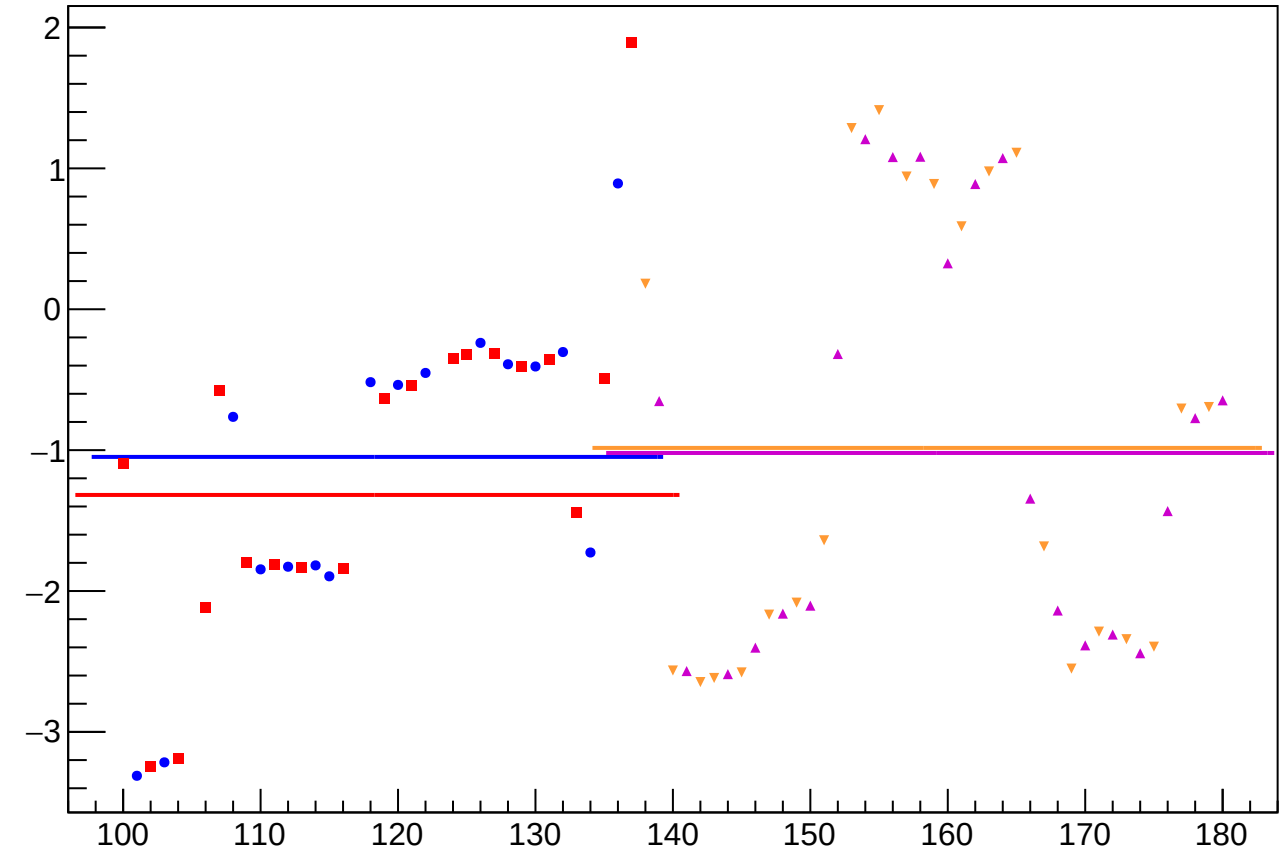
Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.003+/-0.000 χ^2/NDF:626582.1/20

+ sign 0.003+/-0.000 χ^2/NDF: 1611090.5/37

All: 0.003+/-0.000 χ^2/NDF: 3228936.1/77

- sign 0.003+/-0.000 χ^2/NDF: 1605421.8/39



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.984+/-0.000 χ^2/NDF:7169899272.1/21

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

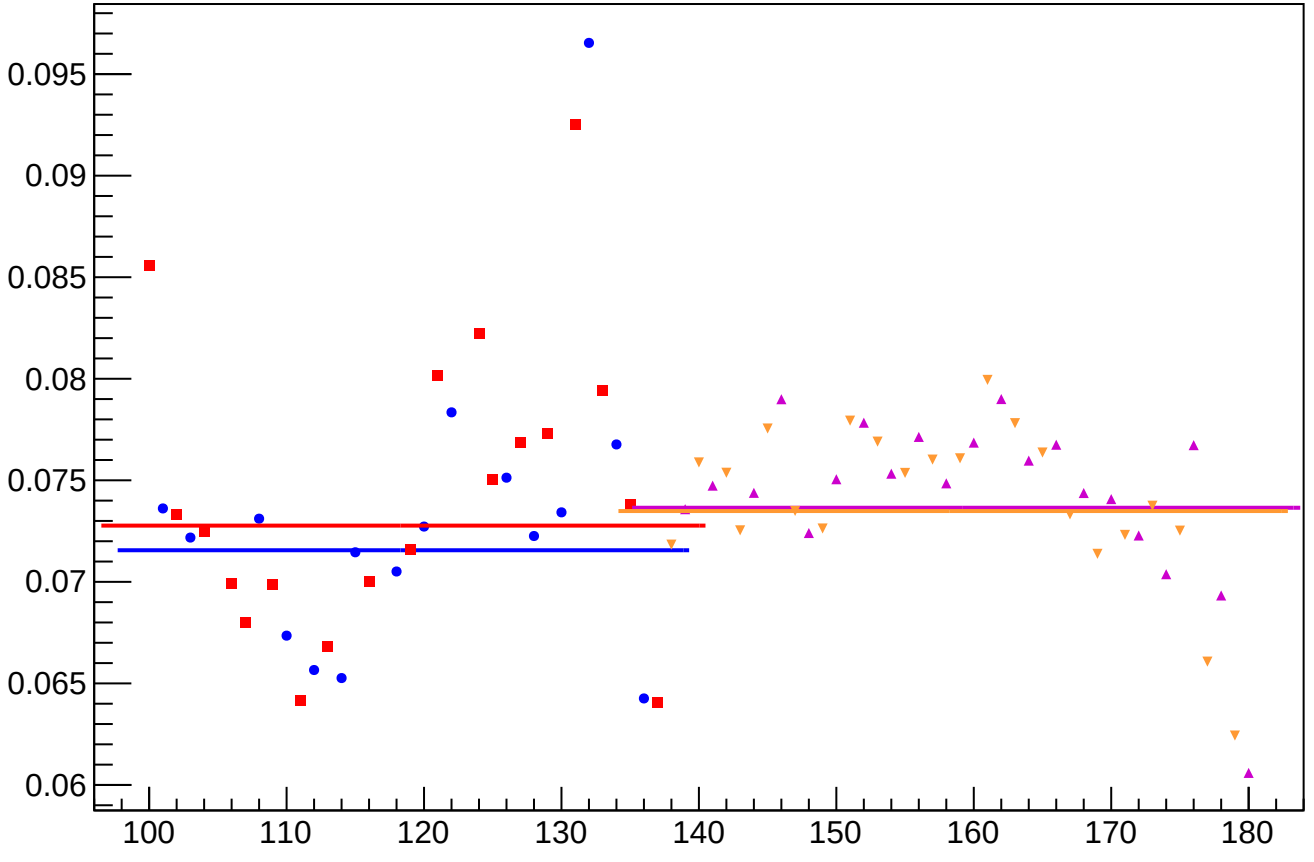
Left In: -1.020+/-0.000 χ^2/NDF:5865062681.3/20

+ sign -1.003+/-0.000 χ^2/NDF: 9520831700.1/37

All: -1.057+/-0.000 χ^2/NDF: 17344671698.7/

- 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: 0.073+/-0.000 χ^2/NDF:111785.8/21

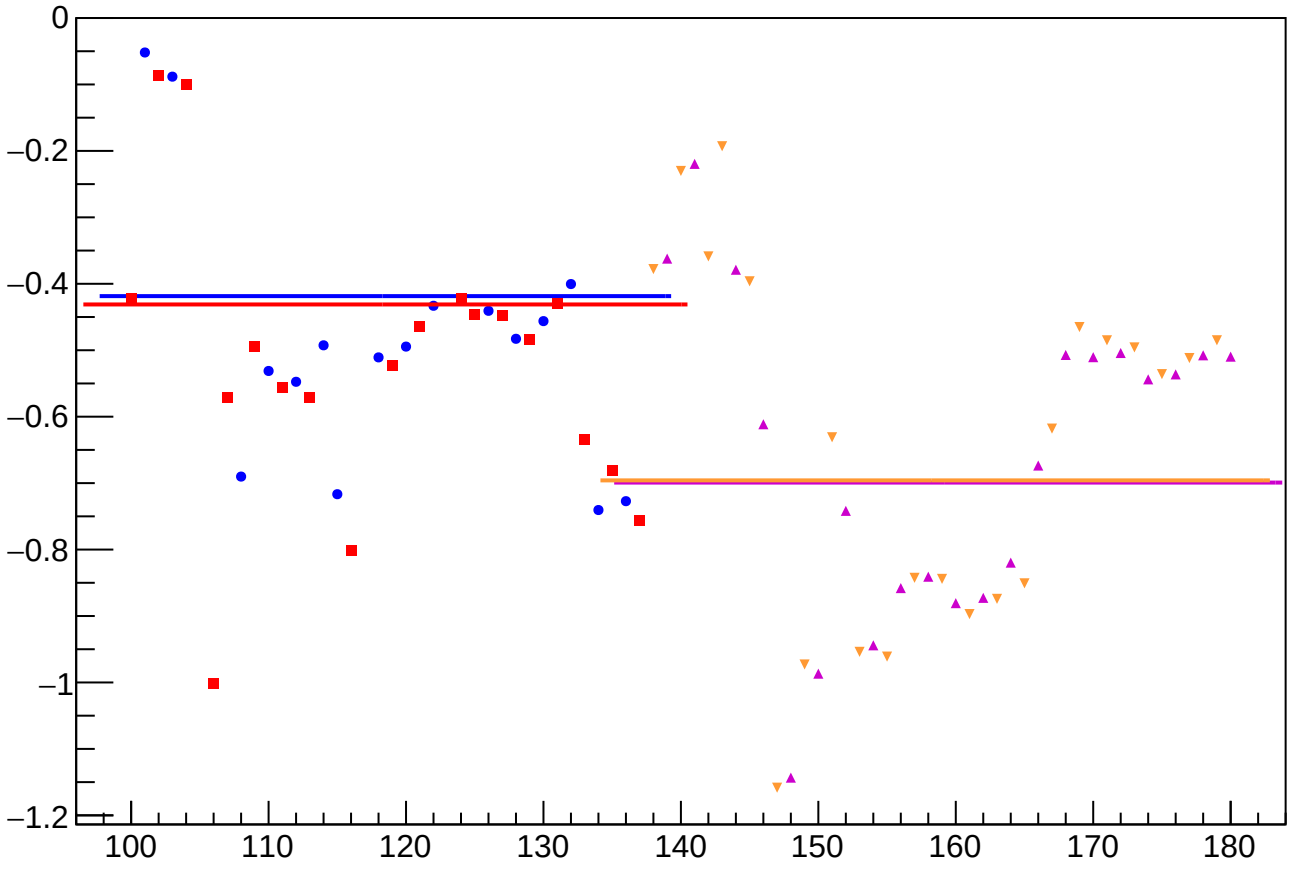
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.074+/-0.000 χ^2/NDF:128860.8/20

+ sign 0.073+/-0.000 χ^2/NDF: 220160.0/37

All: 0.073+/-0.000 χ^2/NDF: 448380.4/77

- 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: -0.696+/-0.000 χ^2/NDF:20776468124.4/21

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

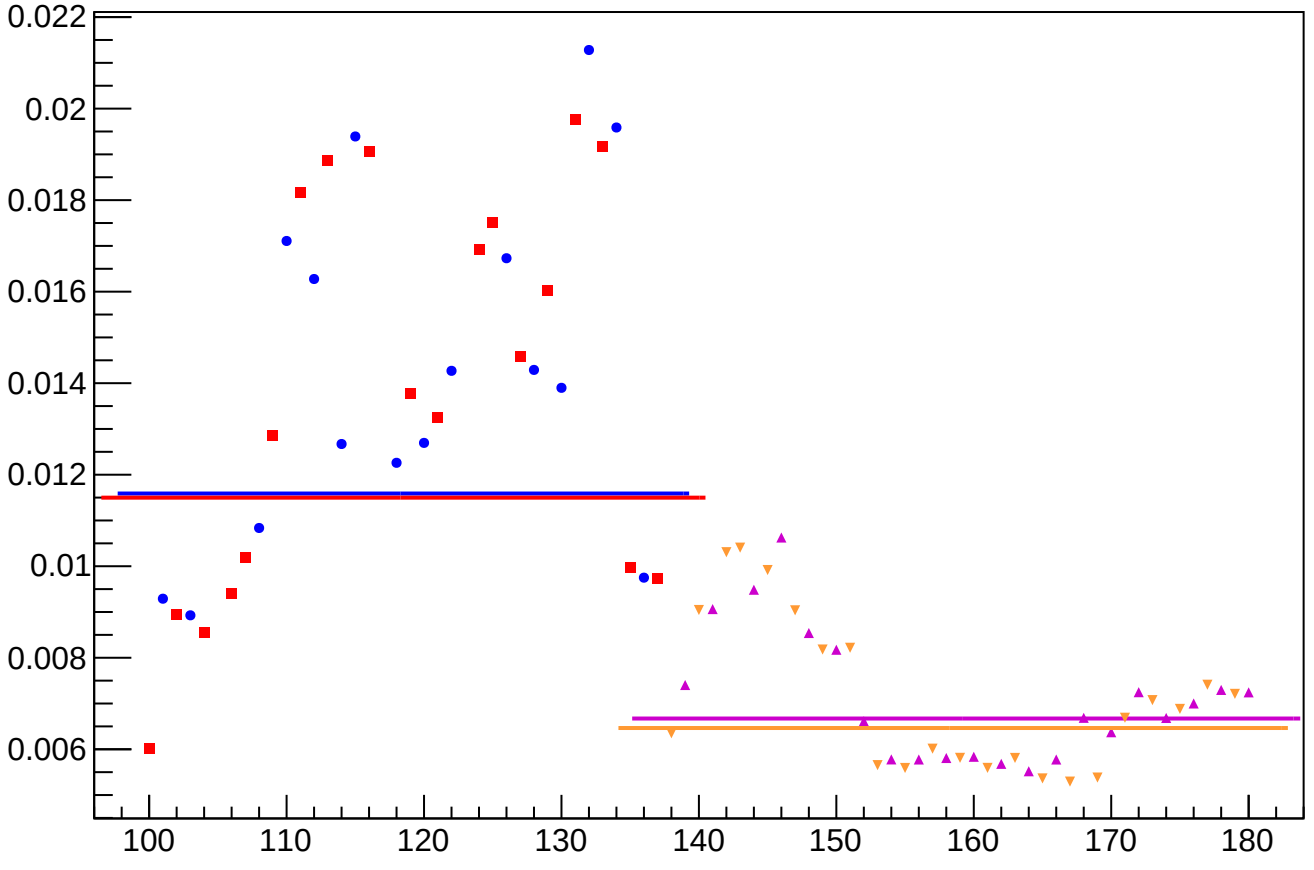
Left In: -0.699+/-0.000 χ^2/NDF:16236447435.0/20

+ sign -0.667+/-0.000 χ^2/NDF: 26905552238.1/37

All: -0.668+/-0.000 χ^2/NDF: 49233047804.8/

- sign -0.669+/-0.000 χ^2/NDF: 22326836471.6/39

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1286269.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

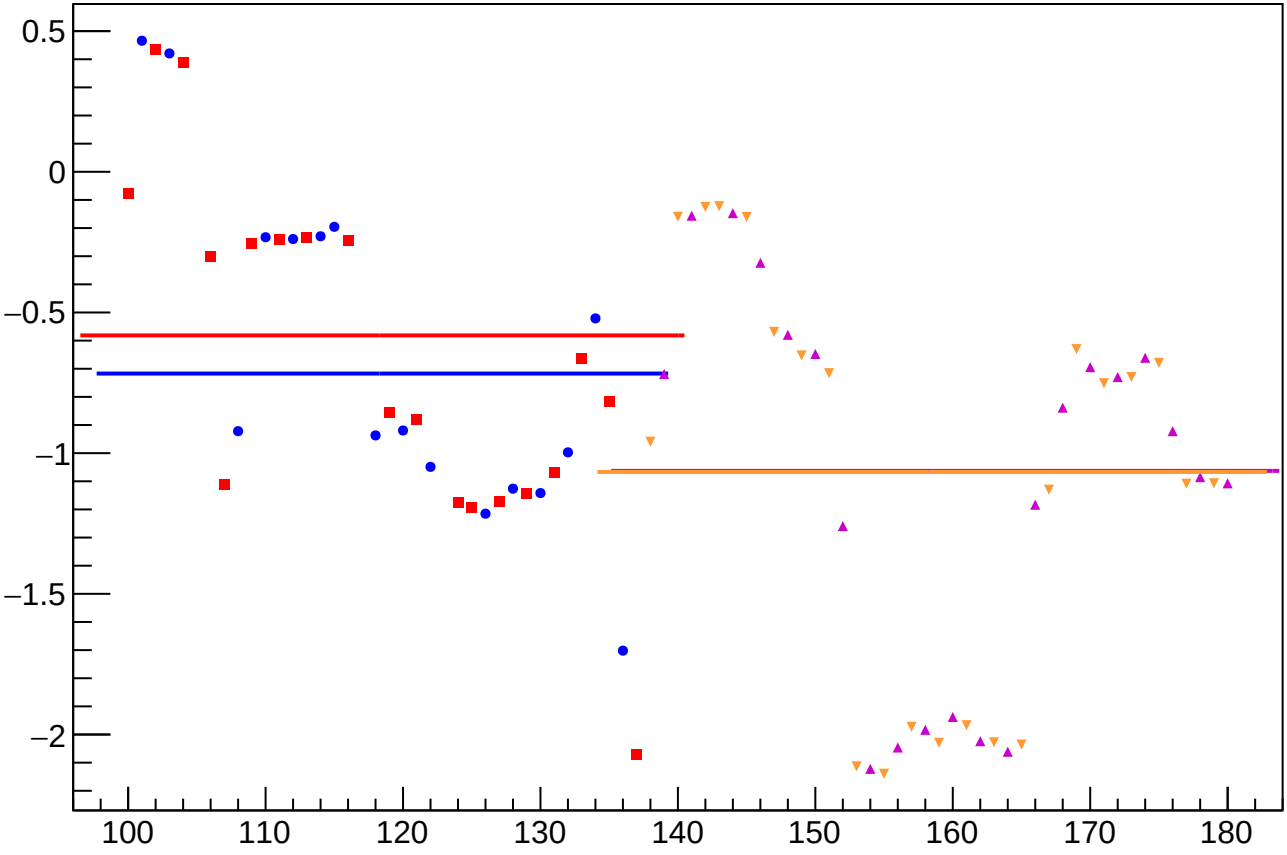
Left In: 0.007+/-0.000 χ^2/NDF:917964.5/20

+ sign 0.007+/-0.000 χ^2/NDF: 4159746.4/37

All: 0.007+/-0.000 χ^2/NDF: 8138509.4/77

- 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: -1.067+/-0.000 χ^2/NDF:1148253290.0/21

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

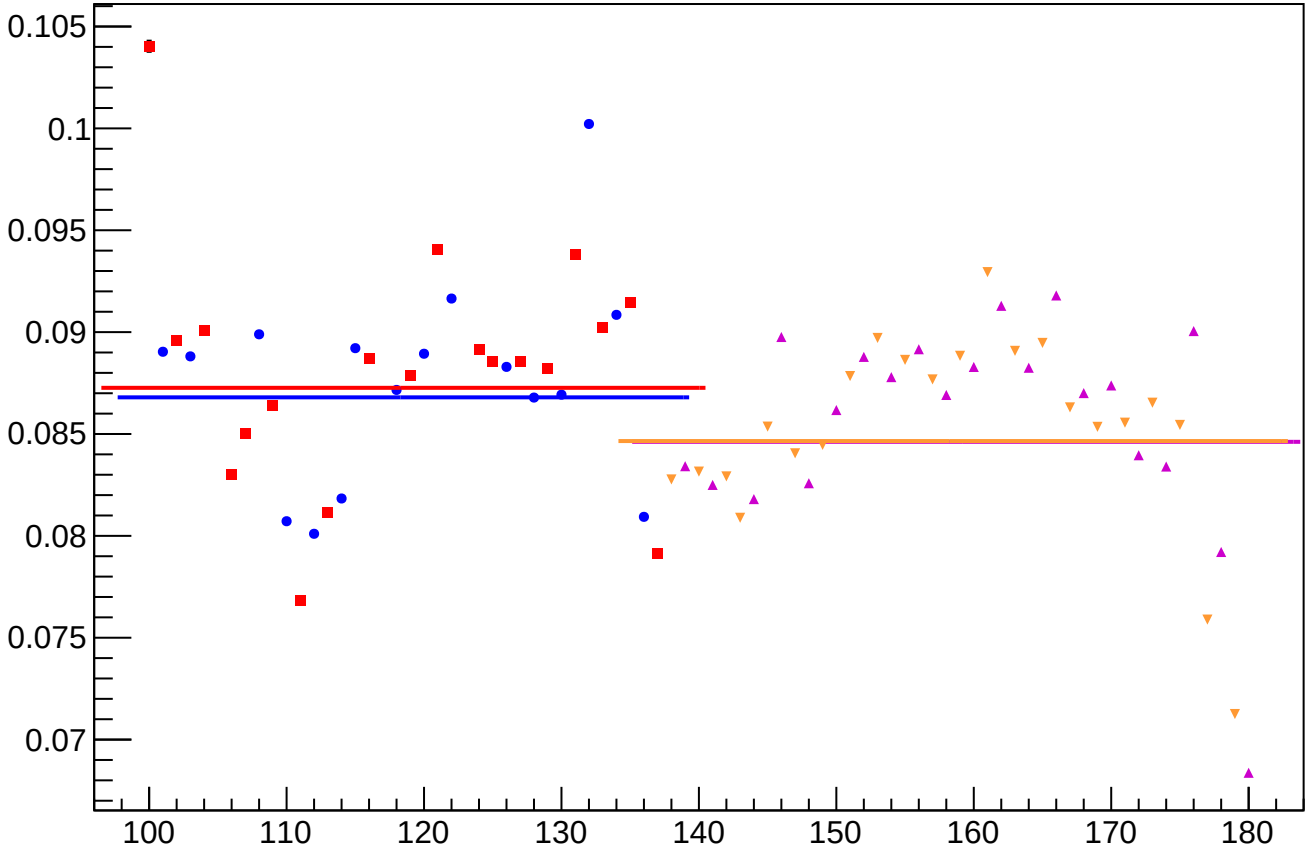
Left In: -1.063+/-0.000 χ^2/NDF:973415846.0/20

+ sign -0.968+/-0.000 χ^2/NDF: 1669226104.5/37

All: -0.946+/-0.000 χ^2/NDF: 3148756925.4/7

- 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: 0.085+/-0.000 χ^2/NDF:122988.5/21

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

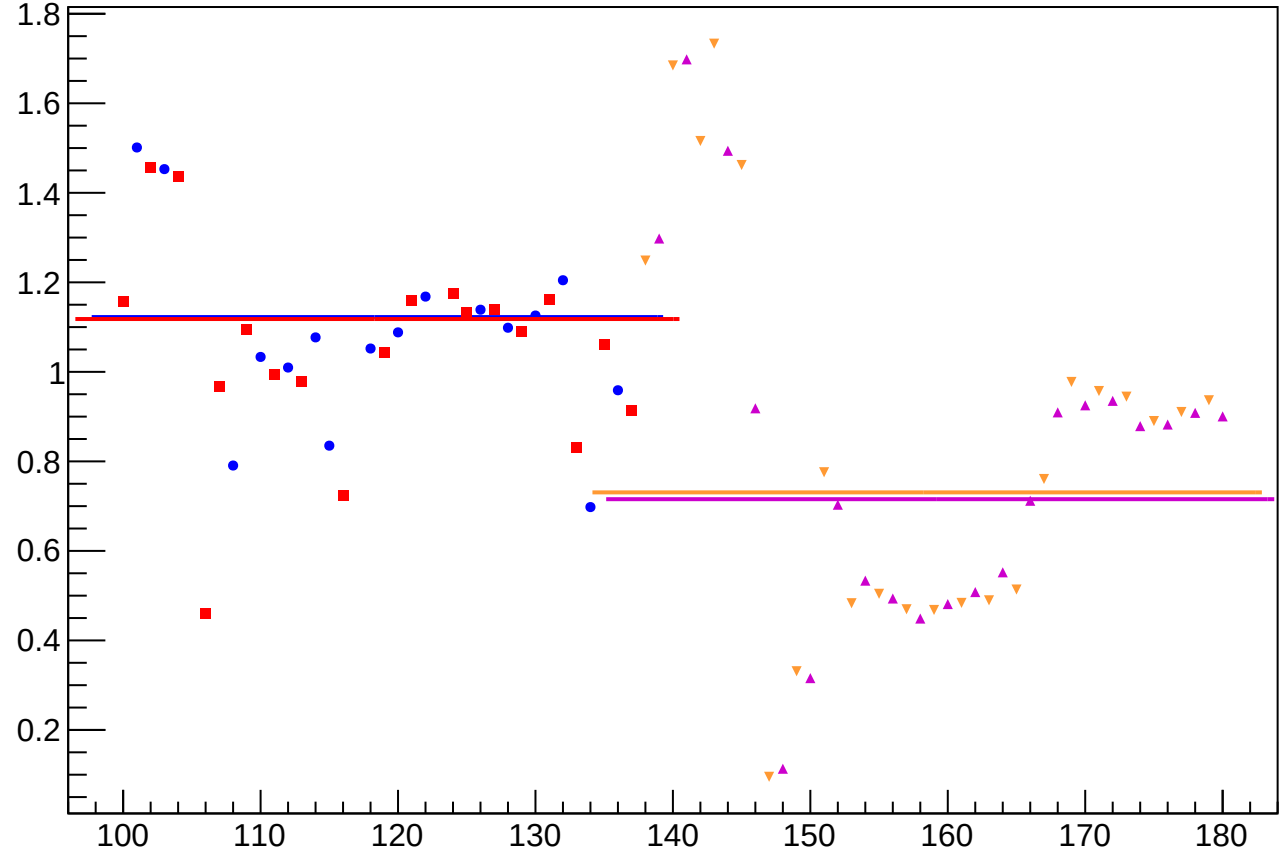
Left In: 0.085+/-0.000 χ^2/NDF:161091.8/20

+ sign 0.085+/-0.000 χ^2/NDF: 172854.6/37

All: 0.085+/-0.000 χ^2/NDF: 389905.8/77

- sign 0.085+/-0.000 χ^2/NDF: 216996.3/39

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.731+/-0.000 χ^2/NDF:31990585208.7/21

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

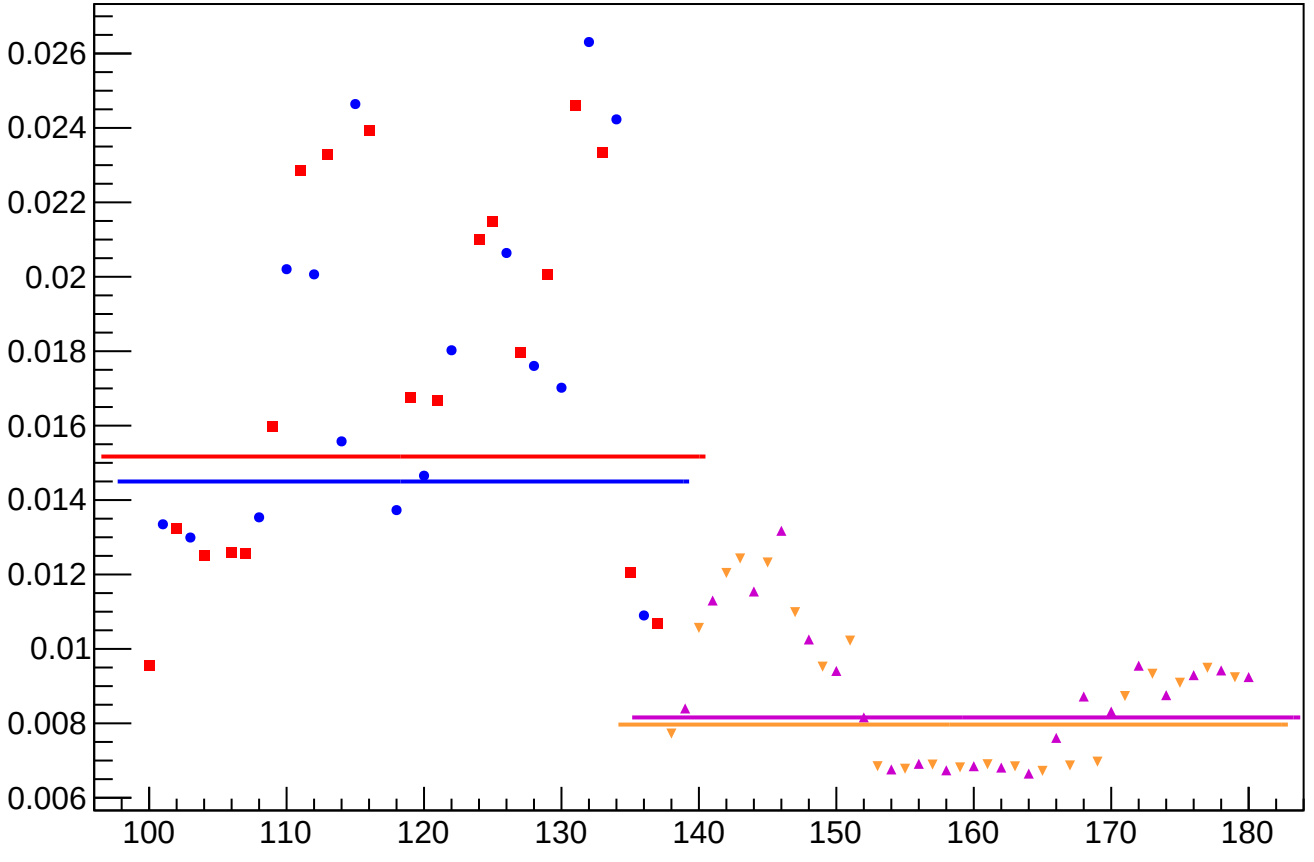
Left In: 0.716+/-0.000 χ^2/NDF:25229631903.5/20

+ sign 0.770+/-0.000 χ^2/NDF: 37361577012.8/37

All: 0.763+/-0.000 χ^2/NDF: 68071212370.1/7

- 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:1298114.8/21

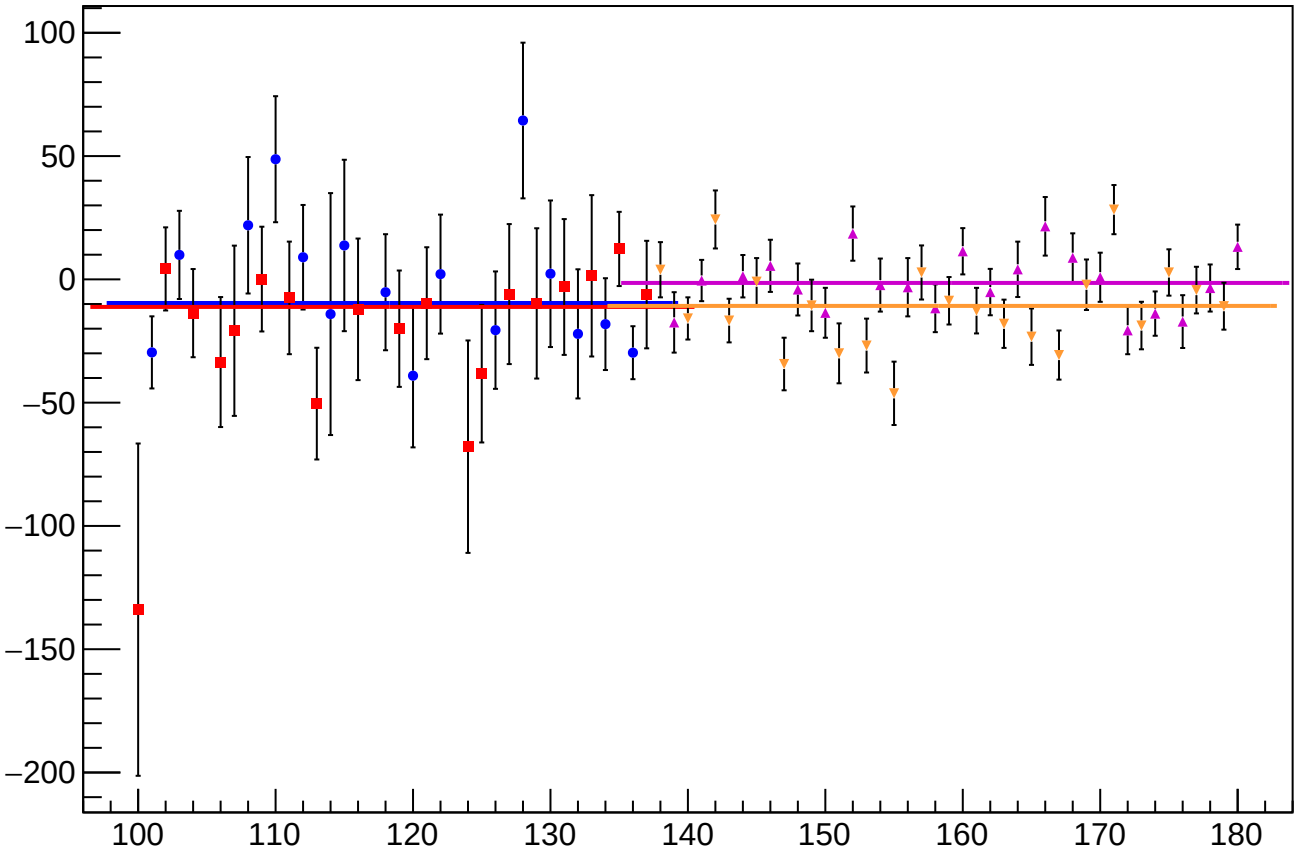
Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1086449.9/20

+ sign 0.009+/-0.000 χ^2/NDF: 4187642.8/37

All: 0.009+/-0.000 χ^2/NDF: 8510530.0/77

- sign 0.009+/-0.000 χ^2/NDF: 4307127.0/39



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -10.763+/-2.159 χ^2/NDF:56.2/21

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

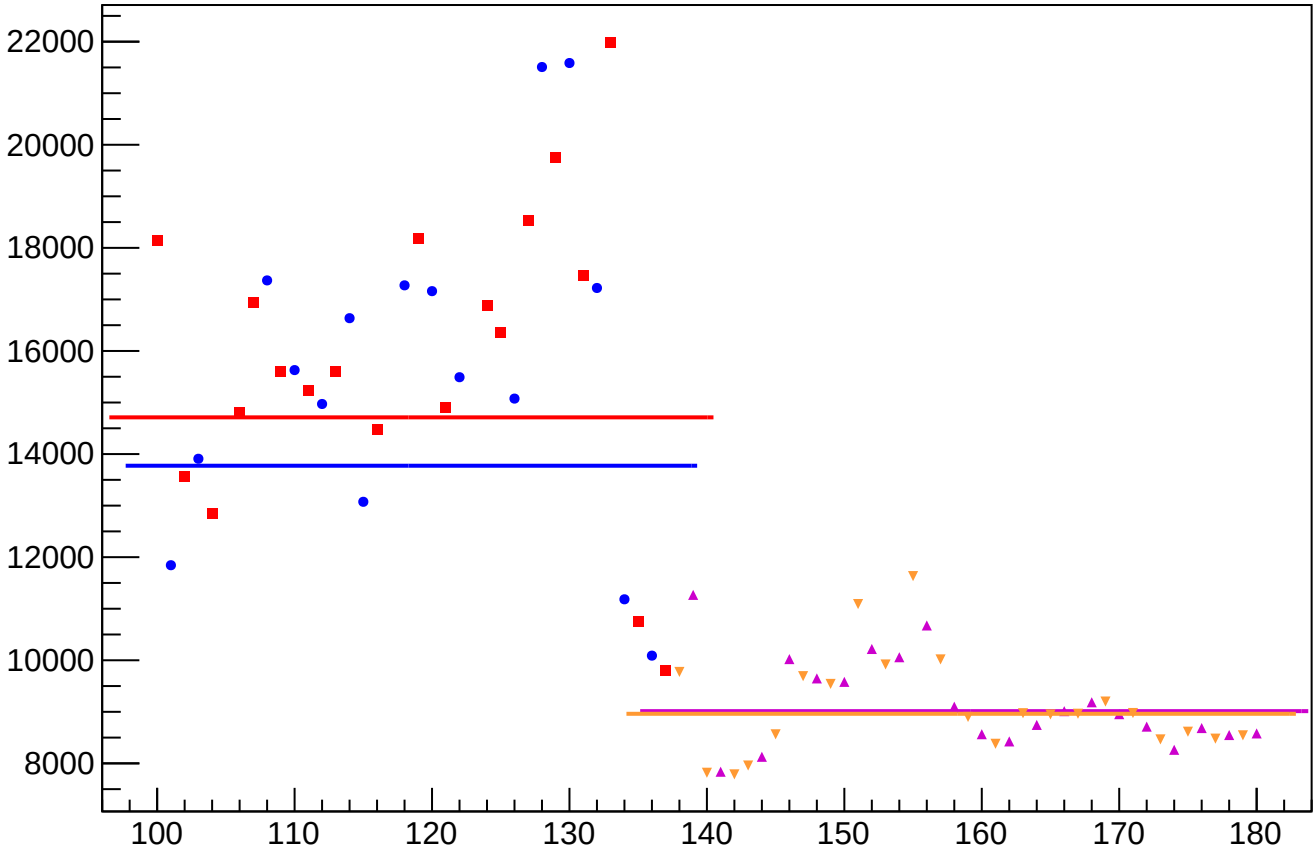
Left In: -1.445+/-2.183 χ^2/NDF:26.0/20

+ sign -10.594+/-1.999 χ^2/NDF: 78.2/37

All: -6.741+/-1.424 χ^2/NDF: 128.4/77

- 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: 8961.717+/-1.527 χ^2/NDF:318734.4/21

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

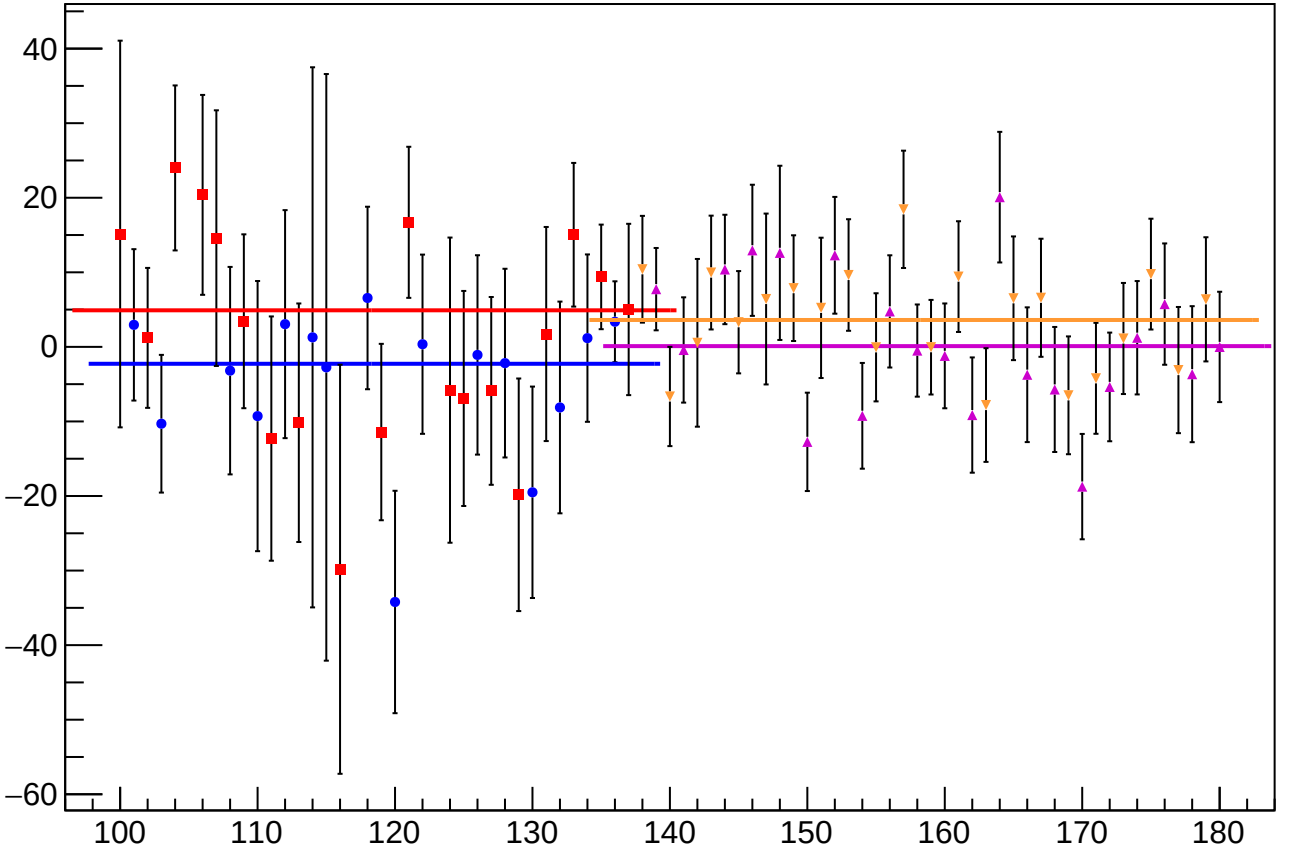
Left In: 9013.290+/-1.544 χ^2/NDF:284001.0/20

+ sign 9648.583+/-1.413 χ^2/NDF: 2484734.1/37

All: 9718.024+/-1.007 χ^2/NDF: 5187641.6/77

- sign 9789.566+/-1.435 χ^2/NDF: 2698006.8/39

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.607+/-1.645 χ^2/NDF:16.7/21

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

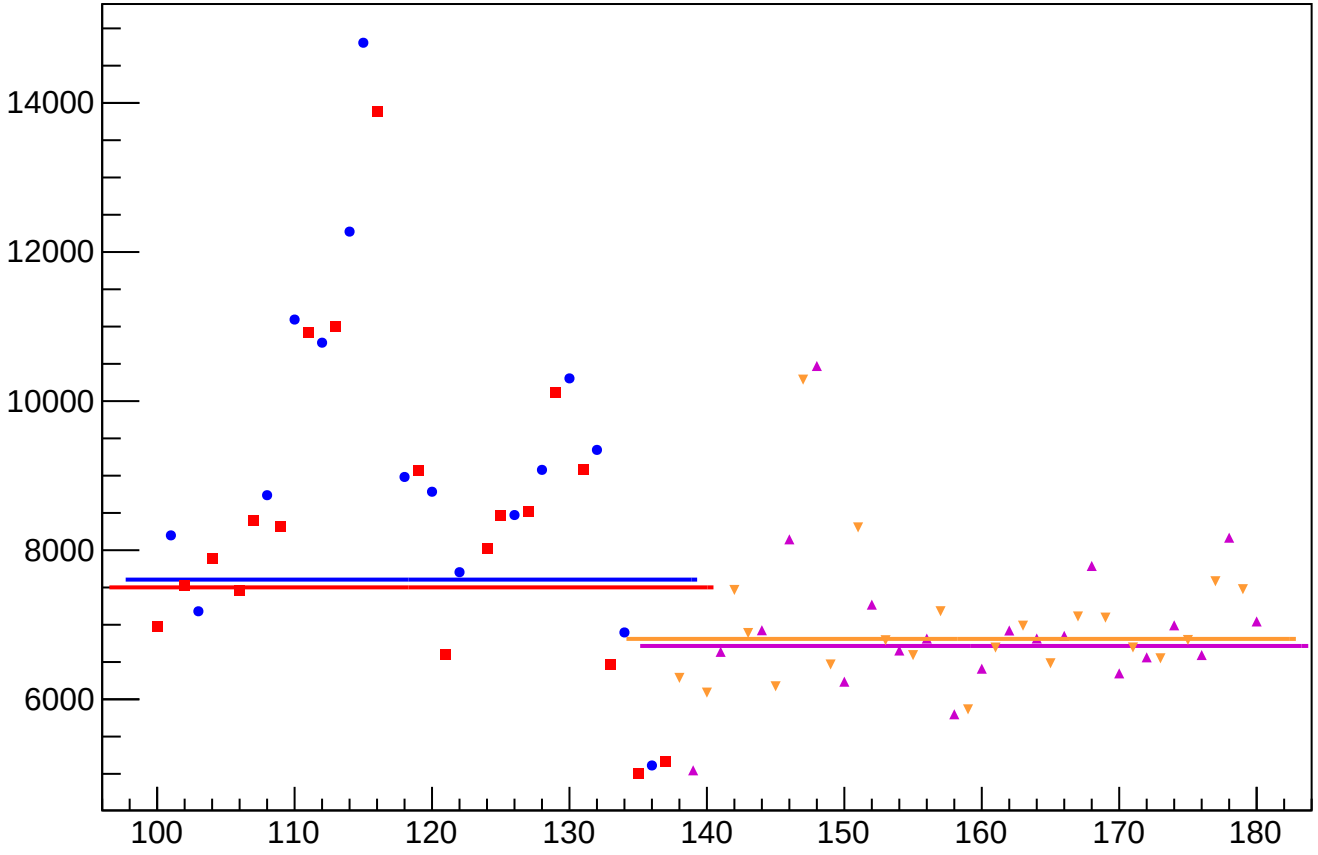
Left In: 0.101+/-1.638 χ^2/NDF:31.2/20

+ sign 2.193+/-1.433 χ^2/NDF: 29.1/37

All: 1.743+/-1.008 χ^2/NDF: 80.2/77

- 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: 6810.384+/-1.163 χ^2/NDF:391129.2/21

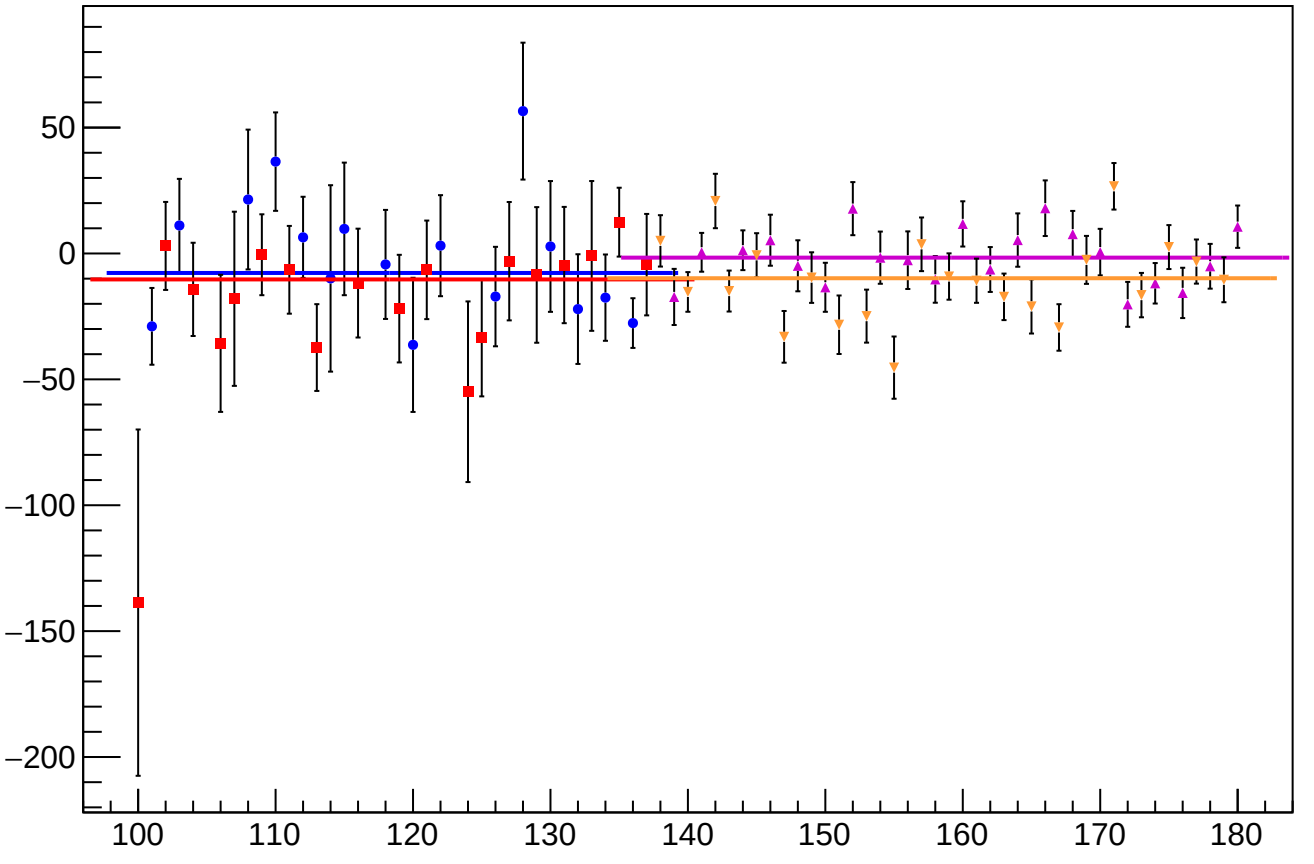
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6715.563+/-1.158 χ^2/NDF:611870.8/20

+ sign 7001.779+/-1.014 χ^2/NDF: 1395129.9/37

All: 6956.494+/-0.713 χ^2/NDF: 2949700.3/77

- 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: -9.836+/-2.021 χ^2/NDF:57.3/21

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

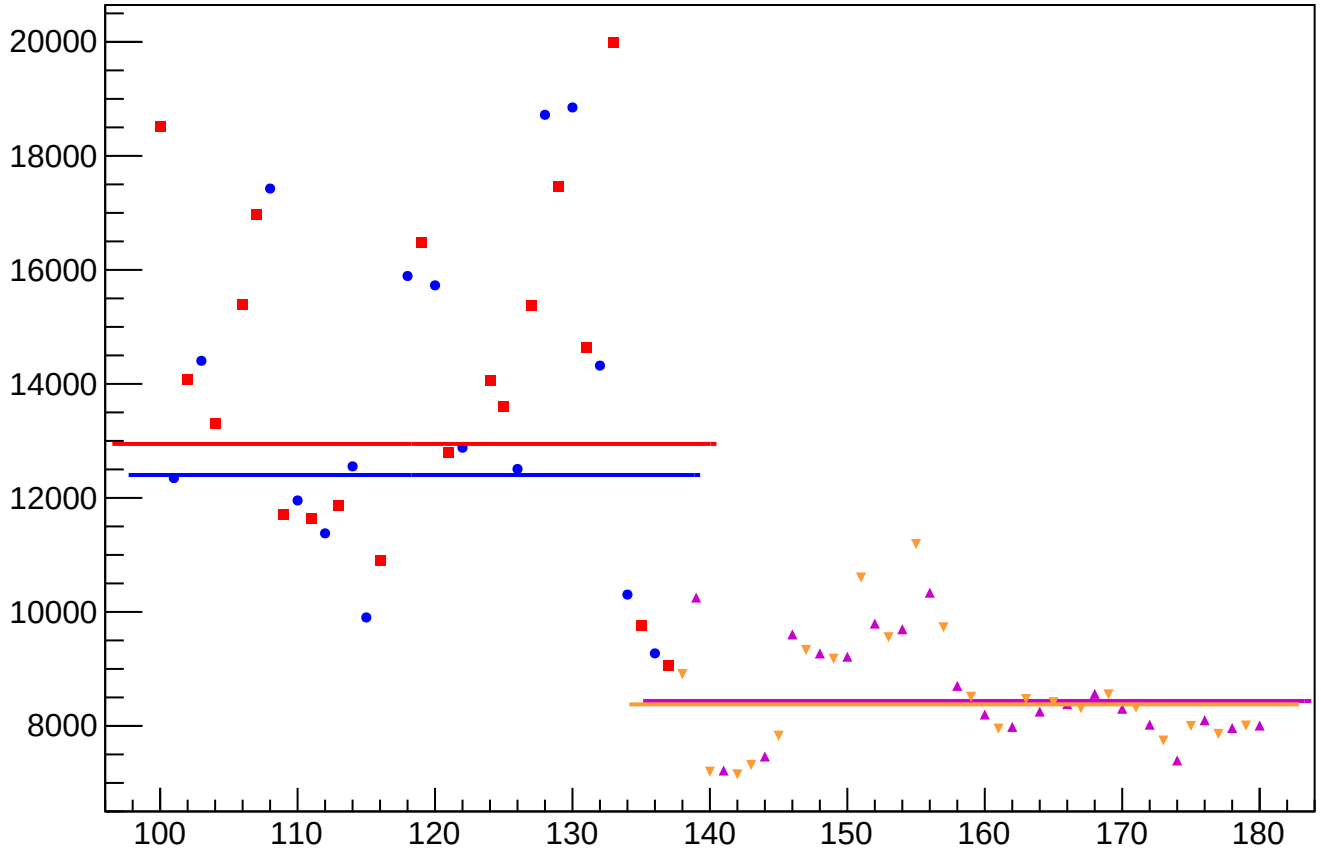
Left In: -1.654+/-2.046 χ^2/NDF:25.8/20

+ sign -9.515+/-1.860 χ^2/NDF: 80.1/37

All: -6.284+/-1.324 χ^2/NDF: 128.7/77

- 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: 8378.452+/-1.429 χ^2/NDF:413137.0/21

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

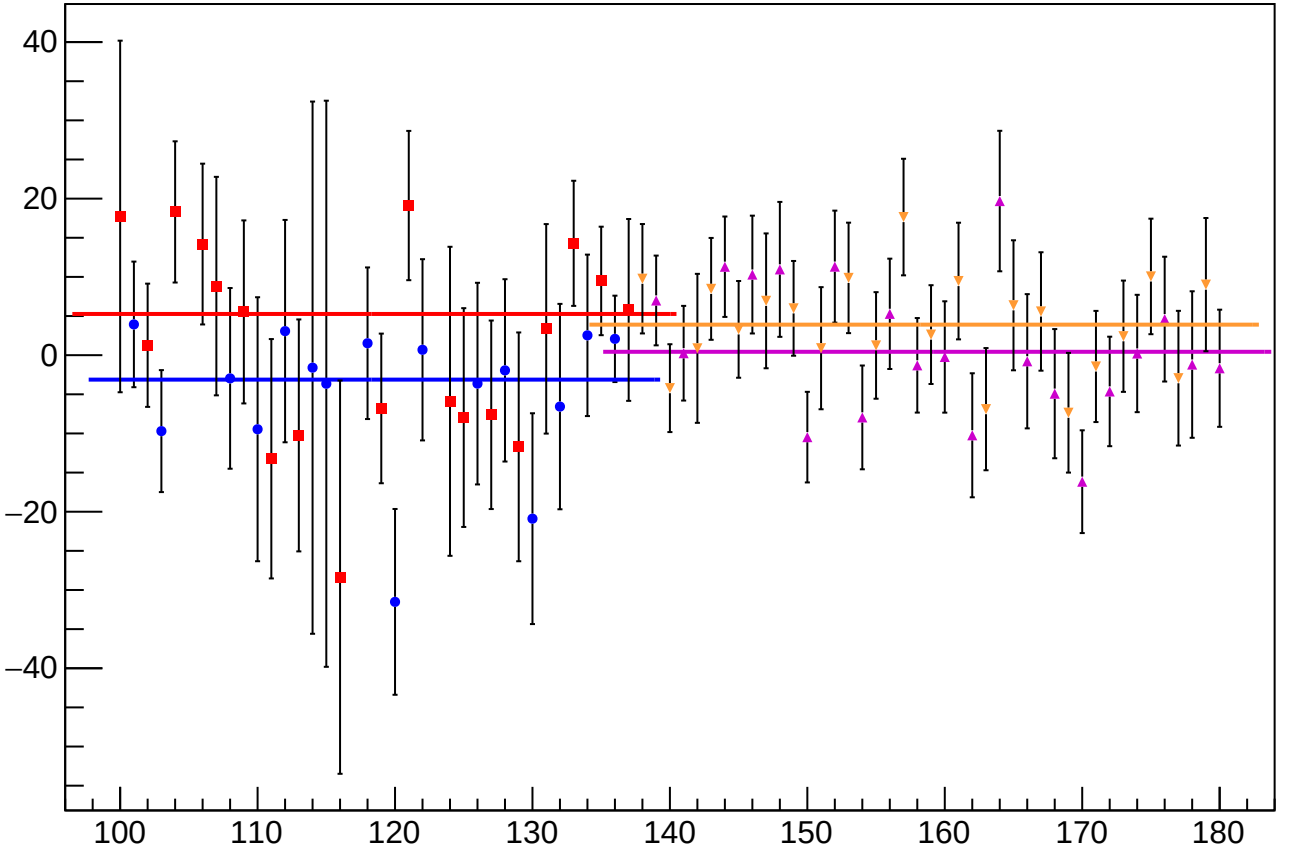
Left In: 8437.913+/-1.447 χ^2/NDF:365026.8/20

+ sign 8995.703+/-1.315 χ^2/NDF: 2307119.2/37

All: 9057.833+/-0.936 χ^2/NDF: 4704882.1/77

- 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: 3.900+/-1.536 χ^2/NDF:15.2/21

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

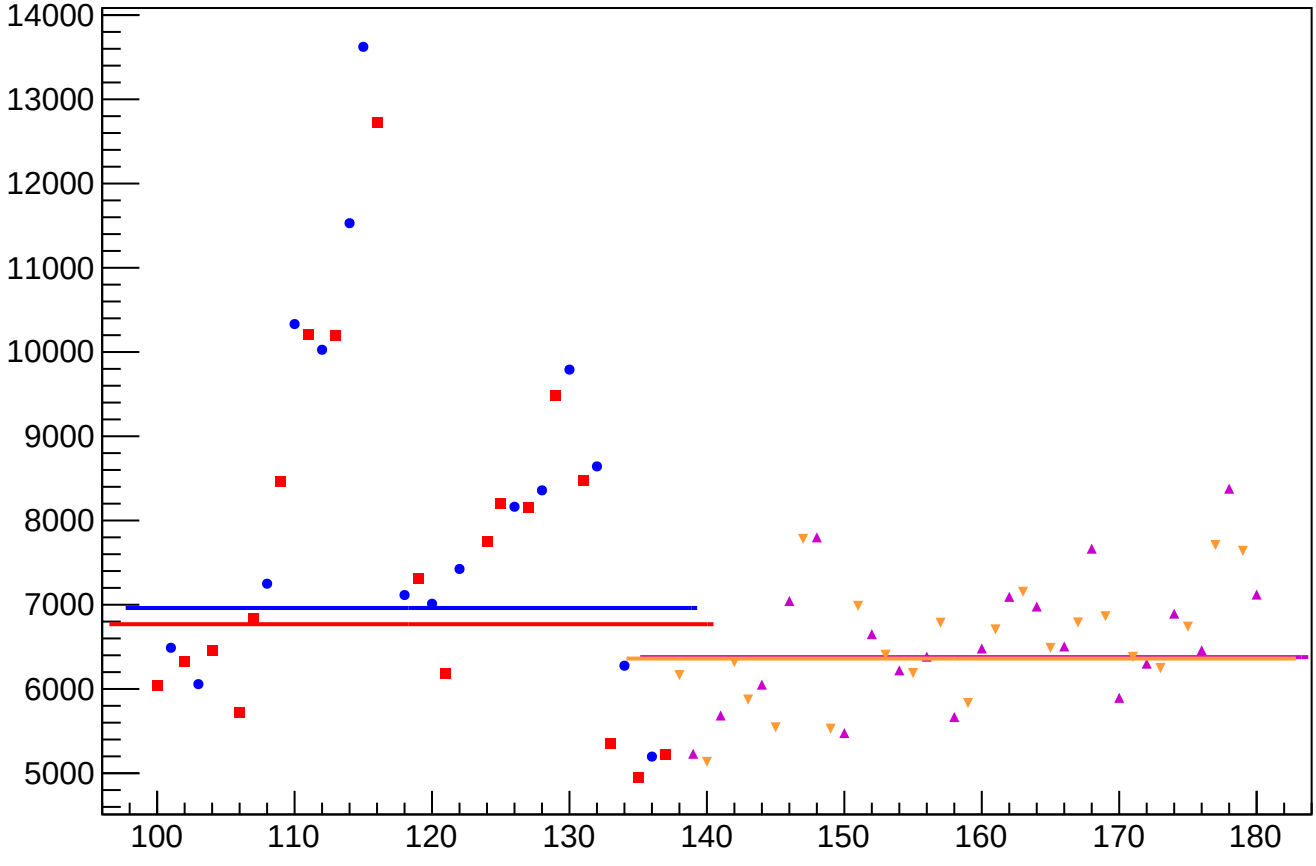
Left In: 0.431+/-1.551 χ^2/NDF:29.6/20

+ sign 2.140+/-1.330 χ^2/NDF: 31.3/37

All: 1.936+/-0.939 χ^2/NDF: 80.5/77

- 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: 6361.121+/-1.086 χ^2/NDF:410498.7/21

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

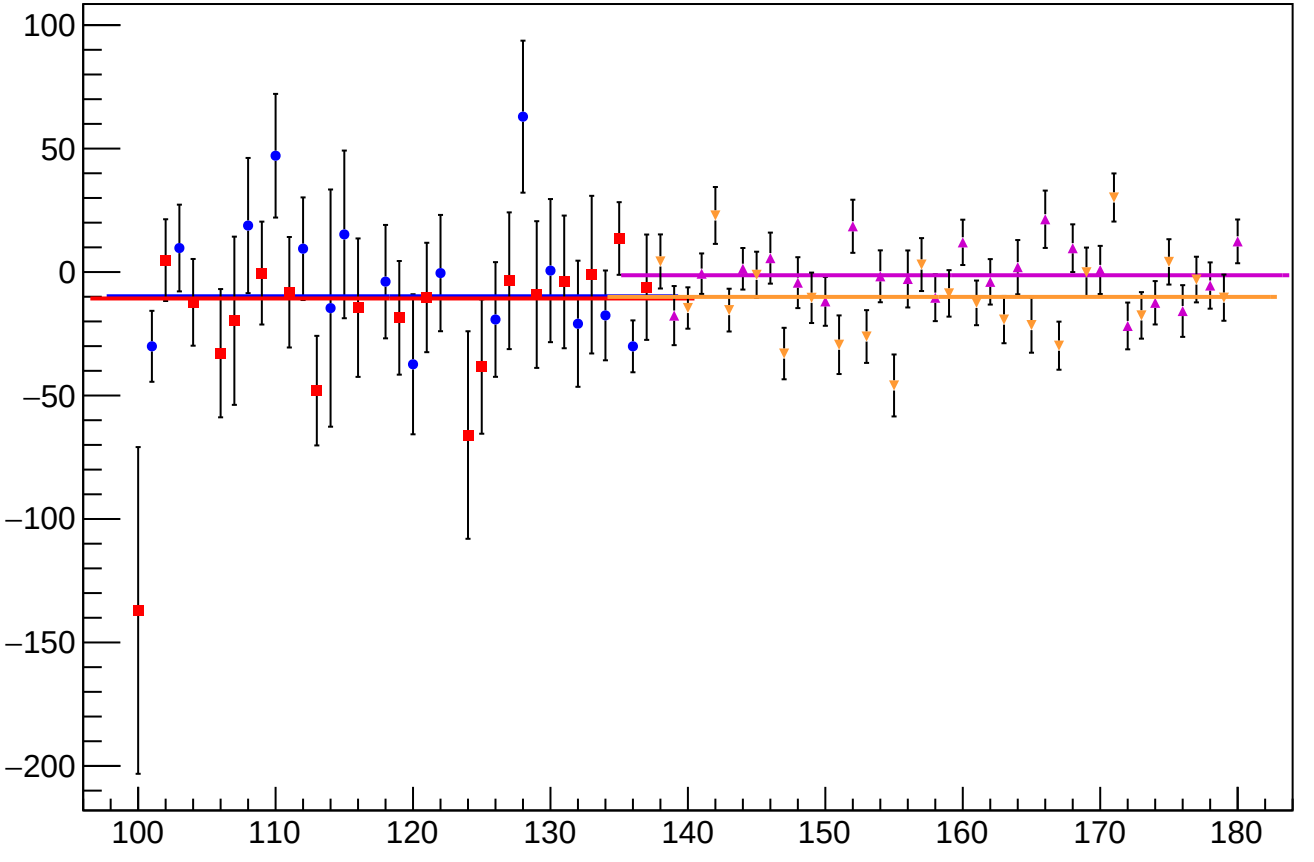
Left In: 6378.059+/-1.097 χ^2/NDF:468445.0/20

+ sign 6511.646+/-0.940 χ^2/NDF: 1183531.9/37

All: 6497.501+/-0.664 χ^2/NDF: 2484786.1/77

- 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: -10.062+/-2.112 χ^2/NDF:58.7/21

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

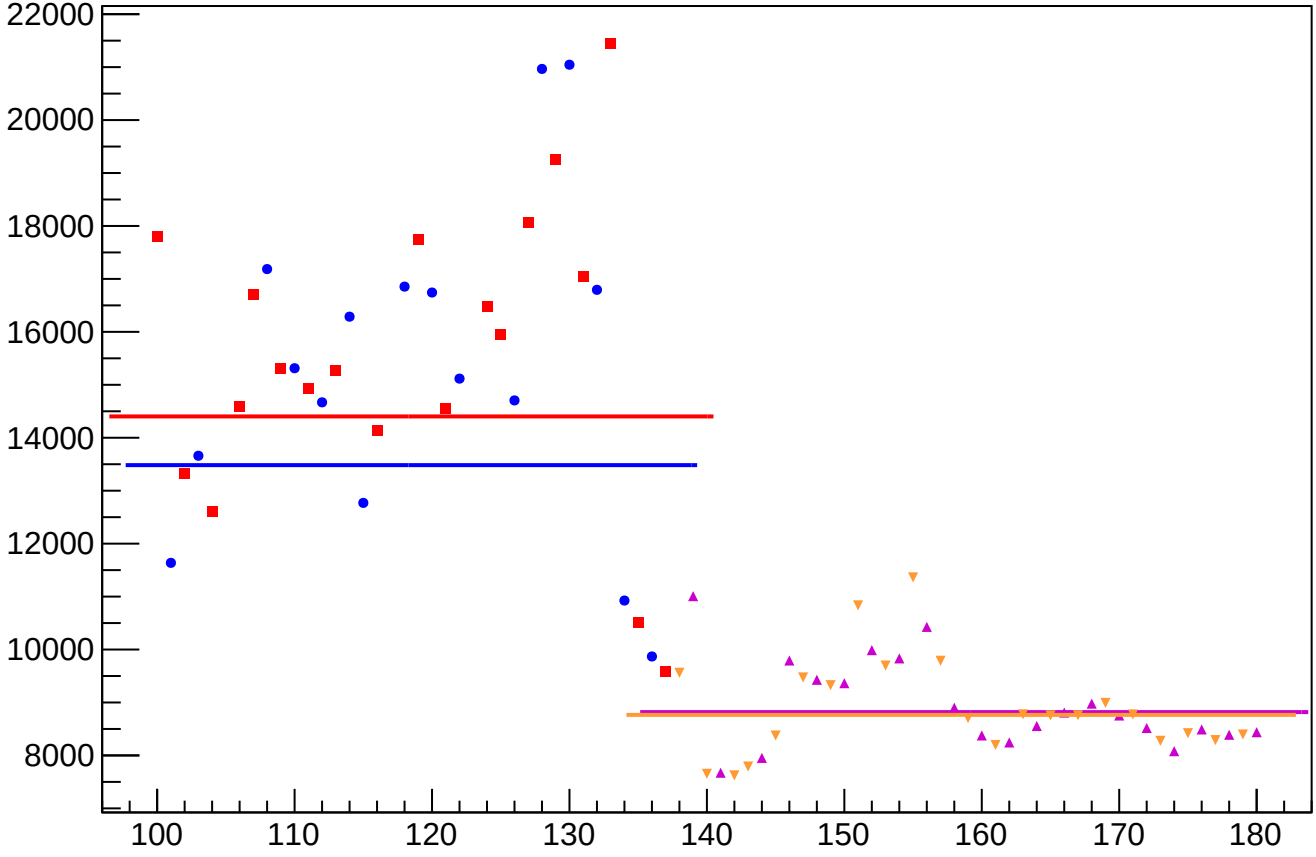
Left In: -1.295+/-2.136 χ^2/NDF:26.2/20

+ sign -10.026+/-1.955 χ^2/NDF: 80.8/37

All: -6.357+/-1.393 χ^2/NDF: 131.1/77

- 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: 8766.096+/-1.493 χ^2/NDF:315061.5/21

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

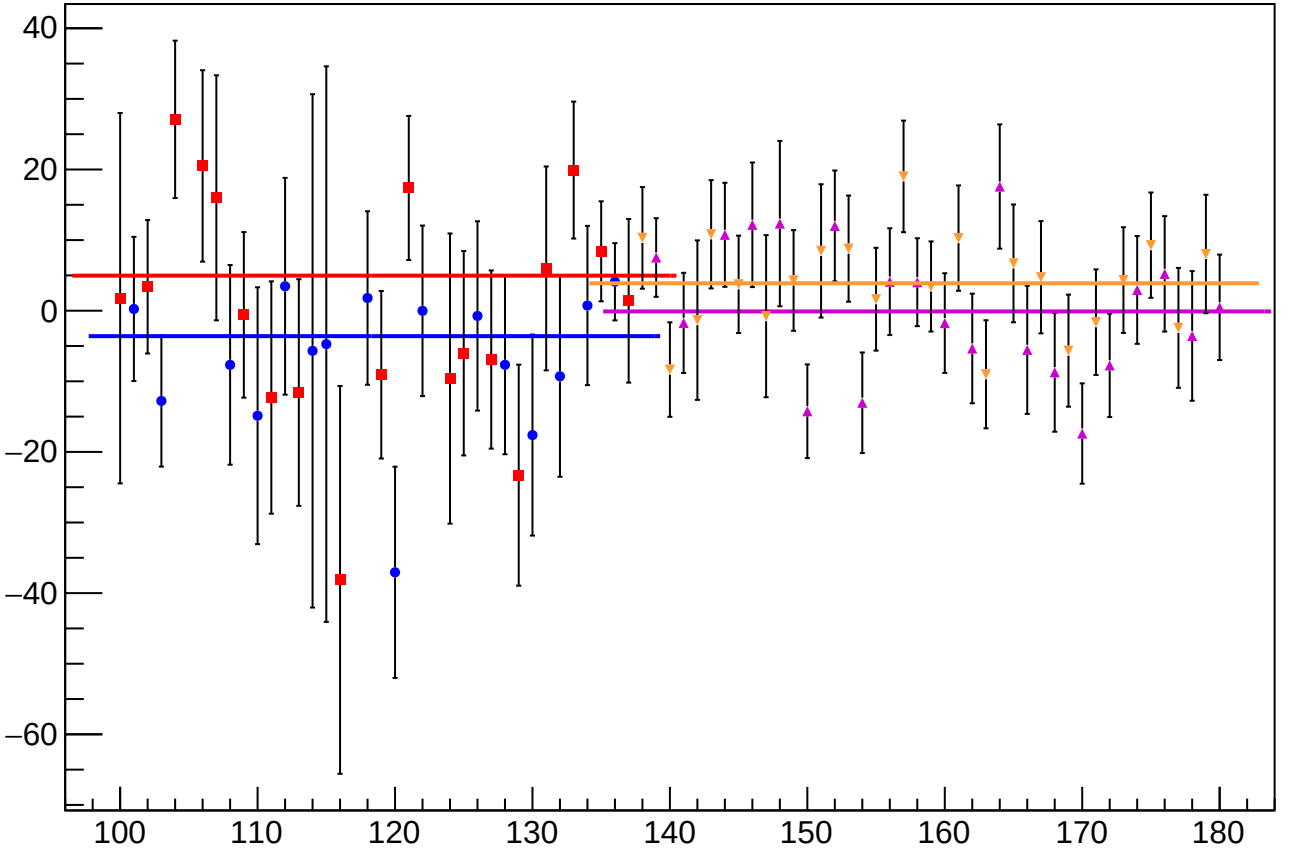
Left In: 8818.318+/-1.510 χ^2/NDF:279467.4/20

+ sign 9438.600+/-1.383 χ^2/NDF: 2481693.6/37

All: 9507.396+/-0.985 χ^2/NDF: 5179782.4/77

- 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: 3.885+/-1.653 χ^2/NDF:16.8/21

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

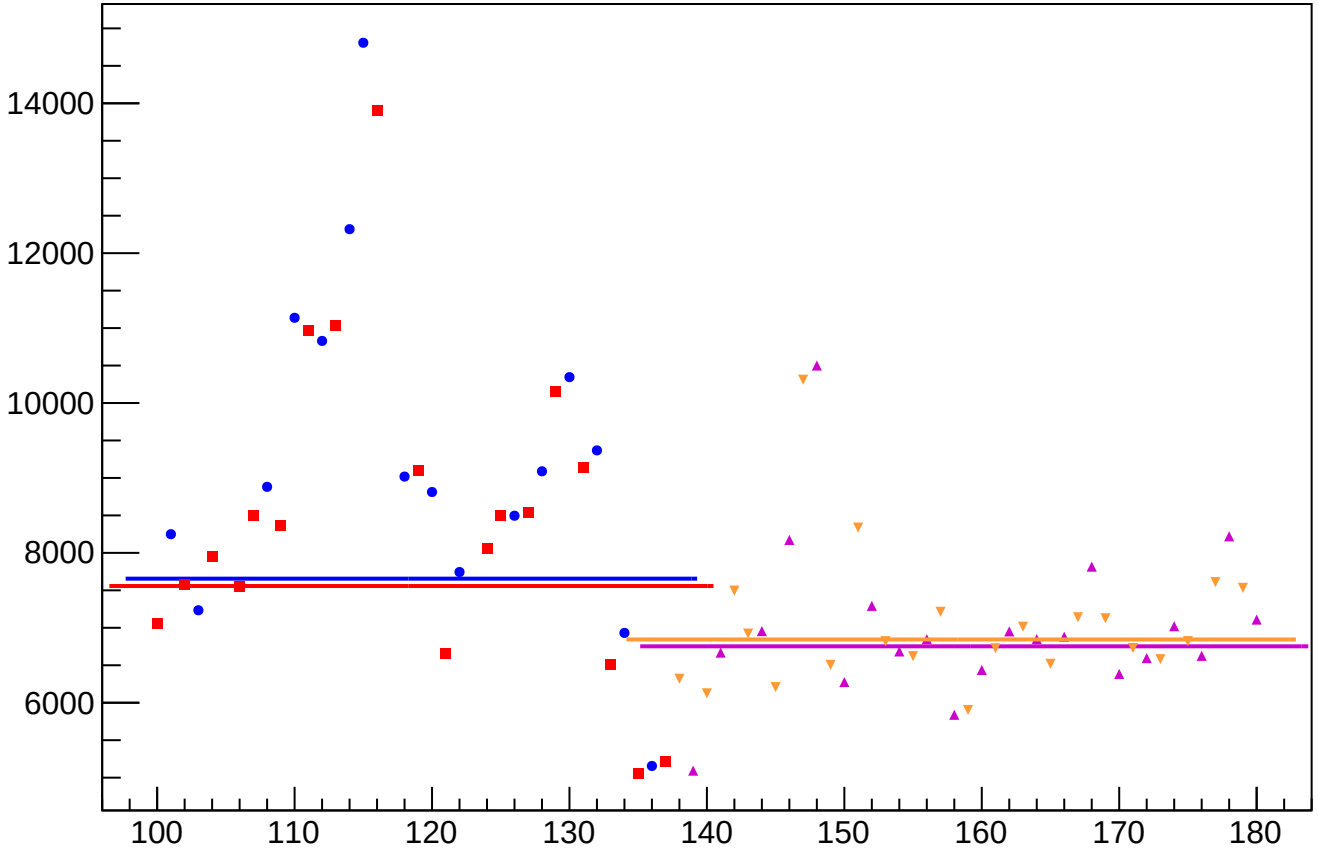
Left In: -0.104+/-1.647 χ^2/NDF:31.8/20

+ sign 2.086+/-1.441 χ^2/NDF: 32.2/37

All: 1.619+/-1.014 χ^2/NDF: 88.0/77

- 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: 6844.271+/-1.169 χ^2/NDF:386714.5/21

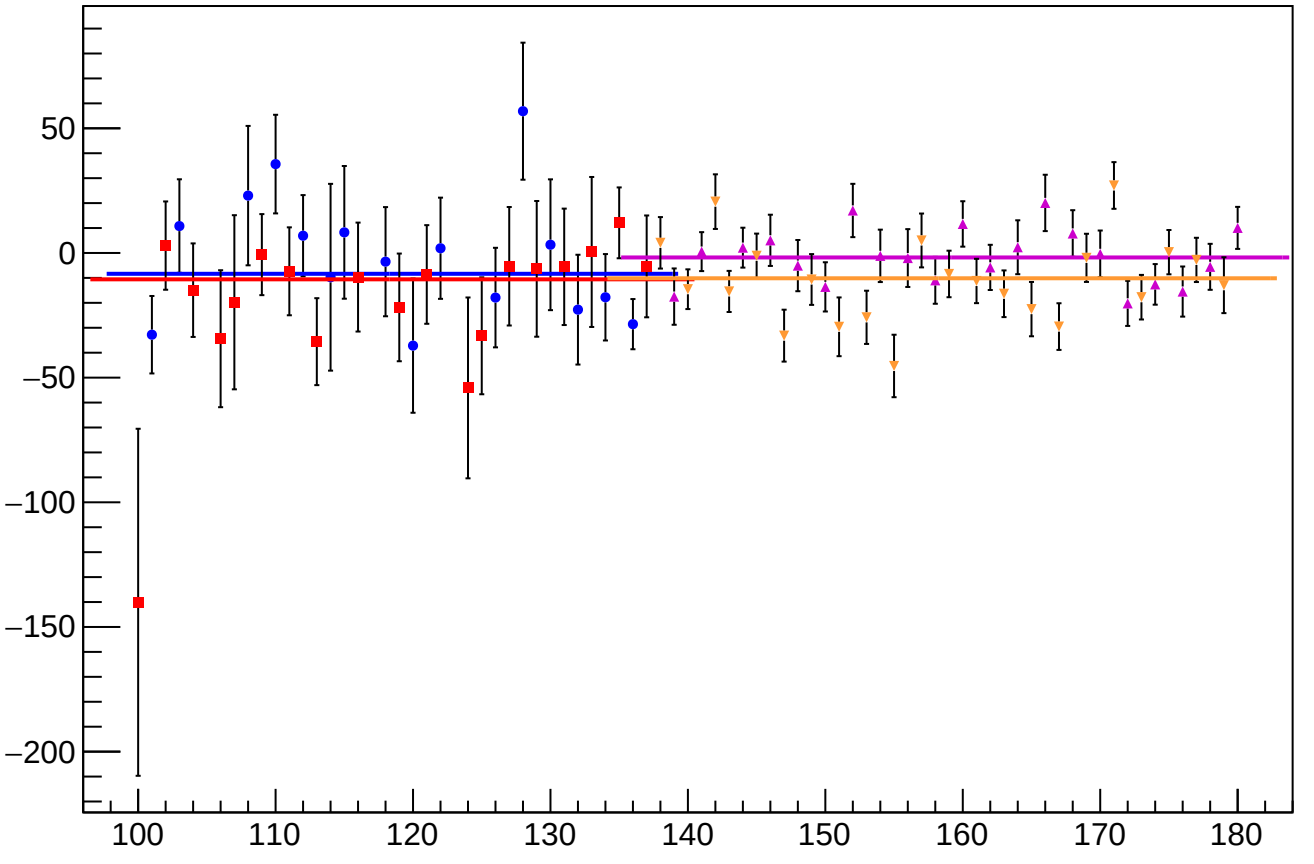
Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6752.694+/-1.164 χ^2/NDF:602150.9/20

+ sign 7039.199+/-1.019 χ^2/NDF: 1382288.1/37

All: 6995.940+/-0.717 χ^2/NDF: 2917099.0/77

- 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: -10.150+/-2.067 χ^2/NDF:56.6/21

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

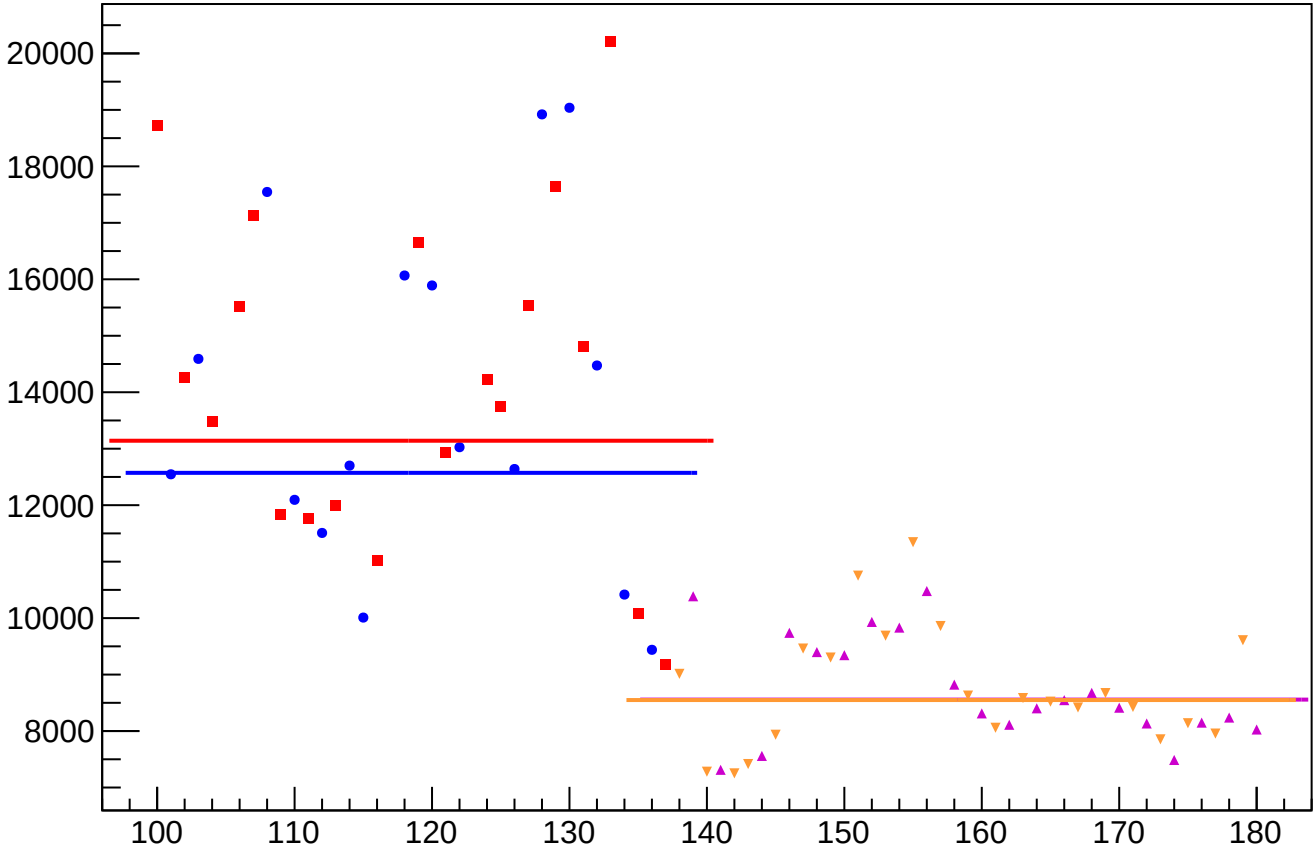
Left In: -1.799+/-2.075 χ^2/NDF:25.5/20

+ sign -9.870+/-1.899 χ^2/NDF: 80.0/37

All: -6.521+/-1.347 χ^2/NDF: 127.4/77

- 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: 8549.100+/-1.462 χ^2/NDF:428832.4/21

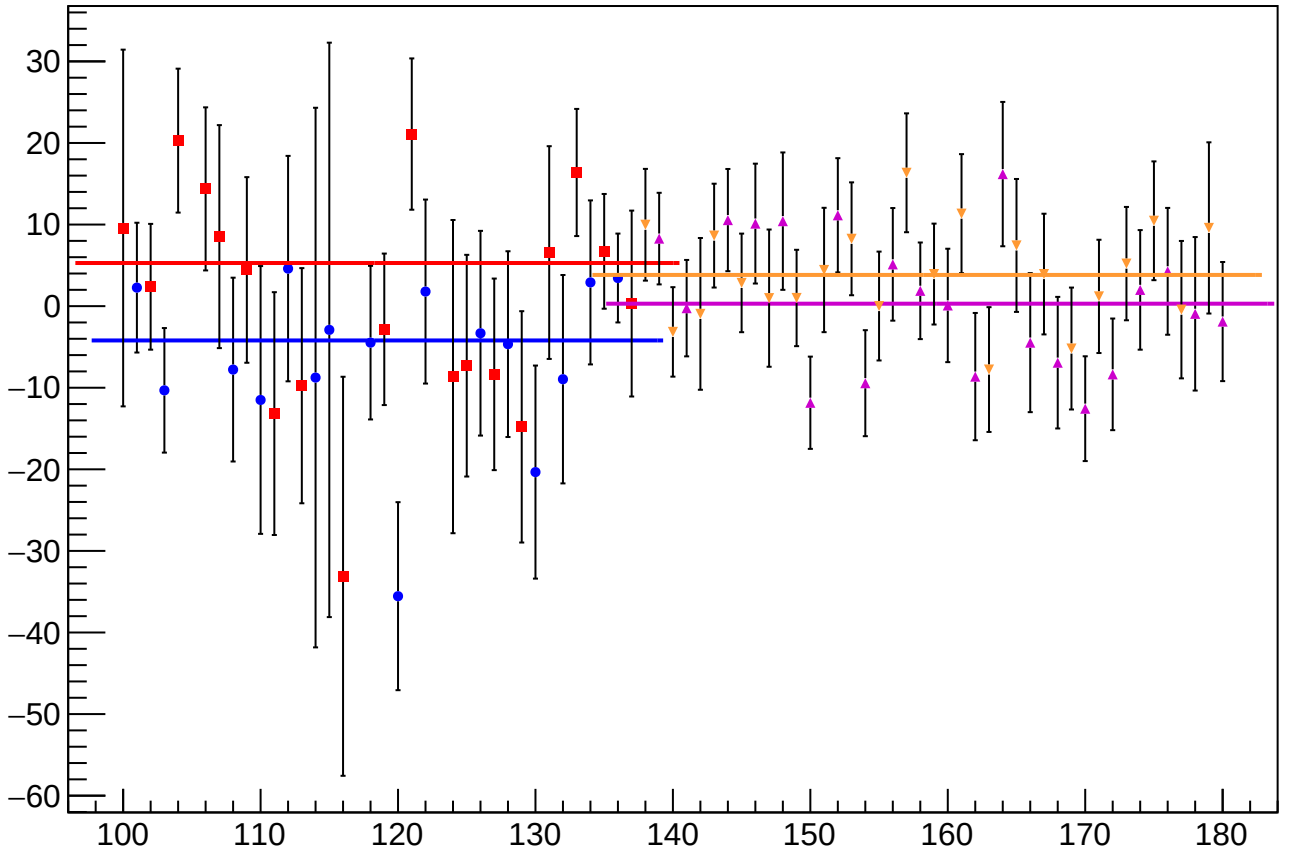
Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8556.910+/-1.468 χ^2/NDF:365854.7/20

+ sign 9175.577+/-1.343 χ^2/NDF: 2273535.6/37

All: 9213.363+/-0.953 χ^2/NDF: 4654431.8/77

- sign 9251.639+/-1.352 χ^2/NDF: 2379303.1/39



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.826+/-1.512 χ^2/NDF:13.9/21

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

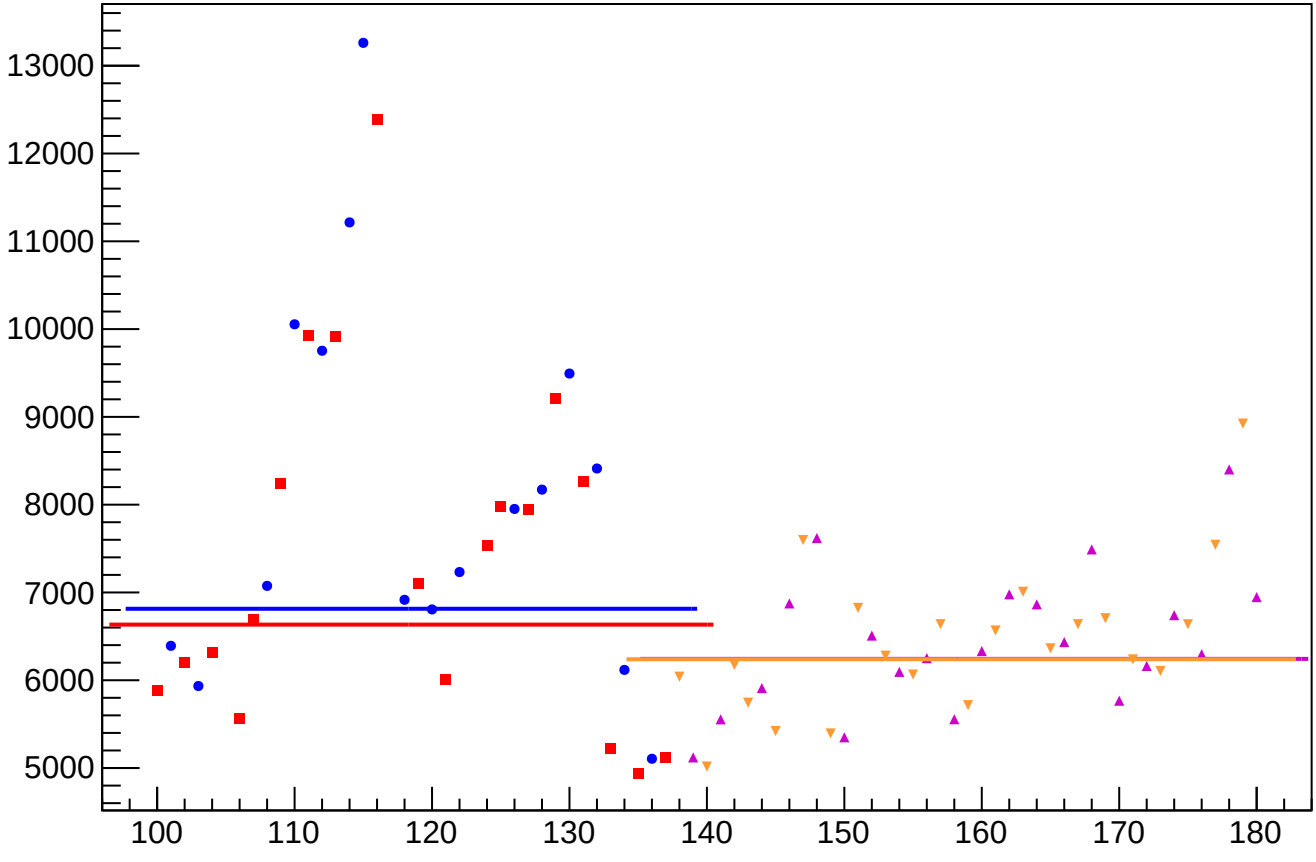
Left In: 0.301+/-1.519 χ^2/NDF:29.4/20

+ sign 1.797+/-1.307 χ^2/NDF: 34.9/37

All: 1.720+/-0.921 χ^2/NDF: 87.0/77

- 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: 6238.939+/-1.069 χ^2/NDF:500568.0/21

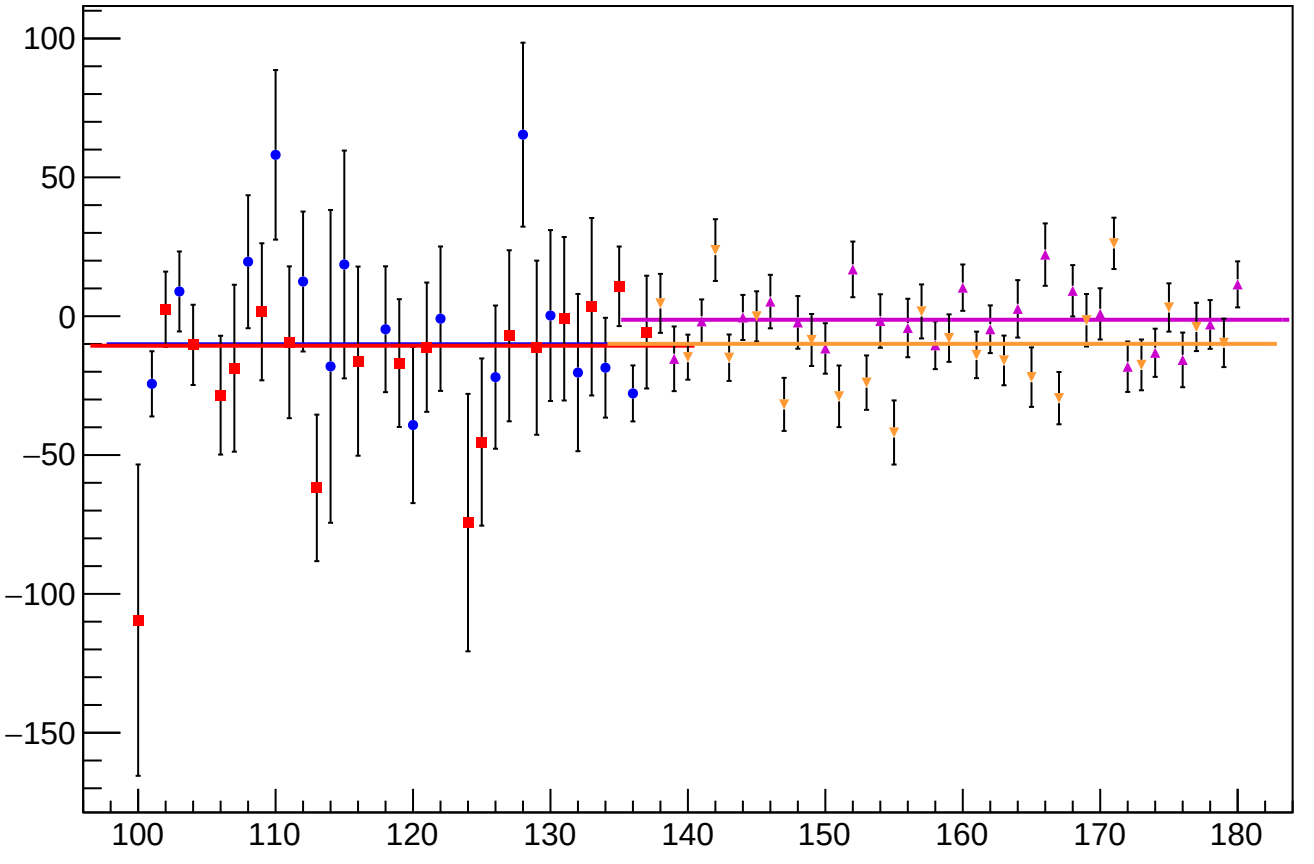
Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6243.450+/-1.074 χ^2/NDF:483050.7/20

+ sign 6384.342+/-0.924 χ^2/NDF: 1247826.0/37

All: 6366.335+/-0.651 χ^2/NDF: 2530527.4/77

- sign 6348.567+/-0.918 χ^2/NDF: 1281947.4/39



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.957+/-1.990 χ^2/NDF:58.1/21

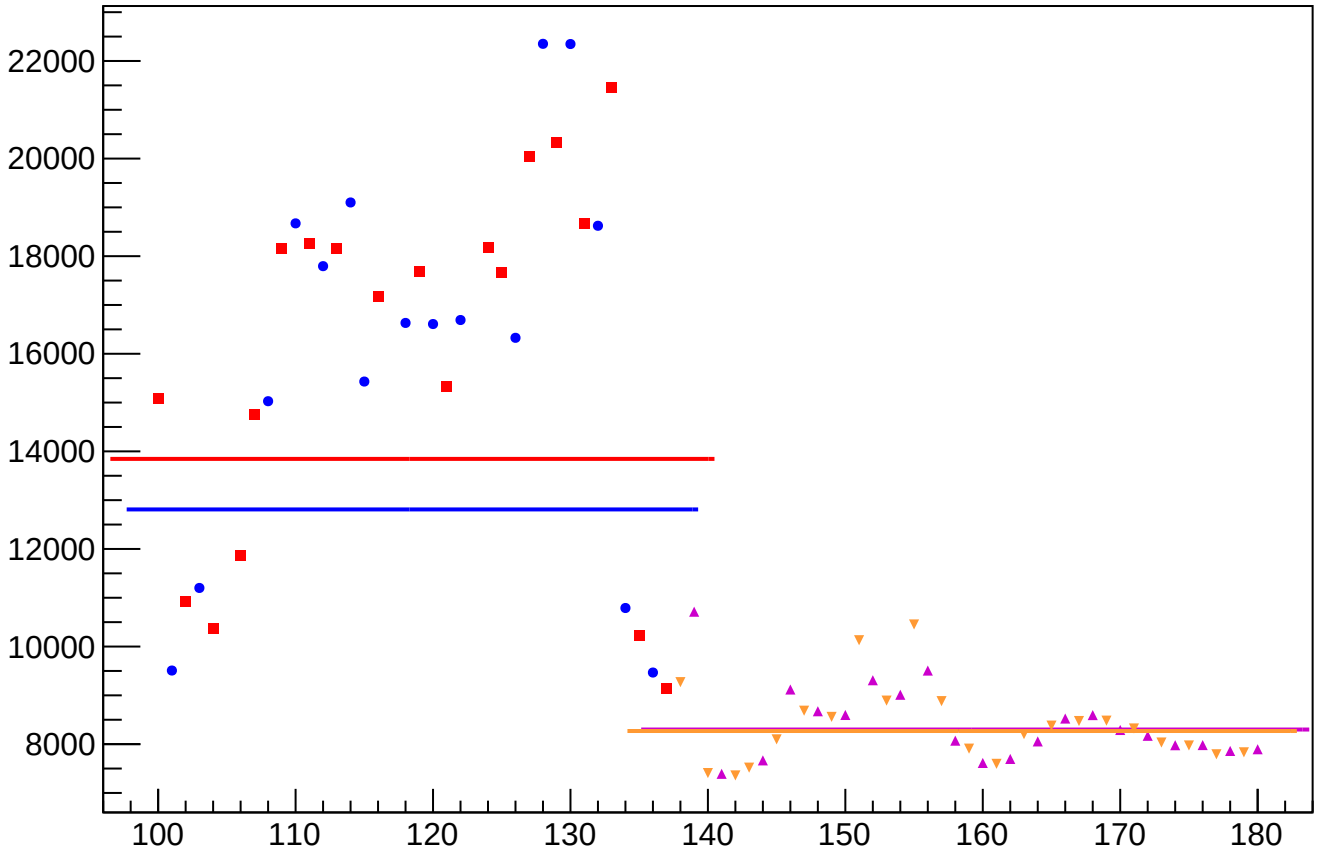
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.280+/-2.009 χ^2/NDF:25.5/20

+ sign -9.978+/-1.850 χ^2/NDF: 79.4/37

All: -6.277+/-1.318 χ^2/NDF: 130.5/77

- sign -2.463+/-1.878 χ^2/NDF: 43.0/39



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8269.248+/-1.407 χ^2/NDF:253560.0/21

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

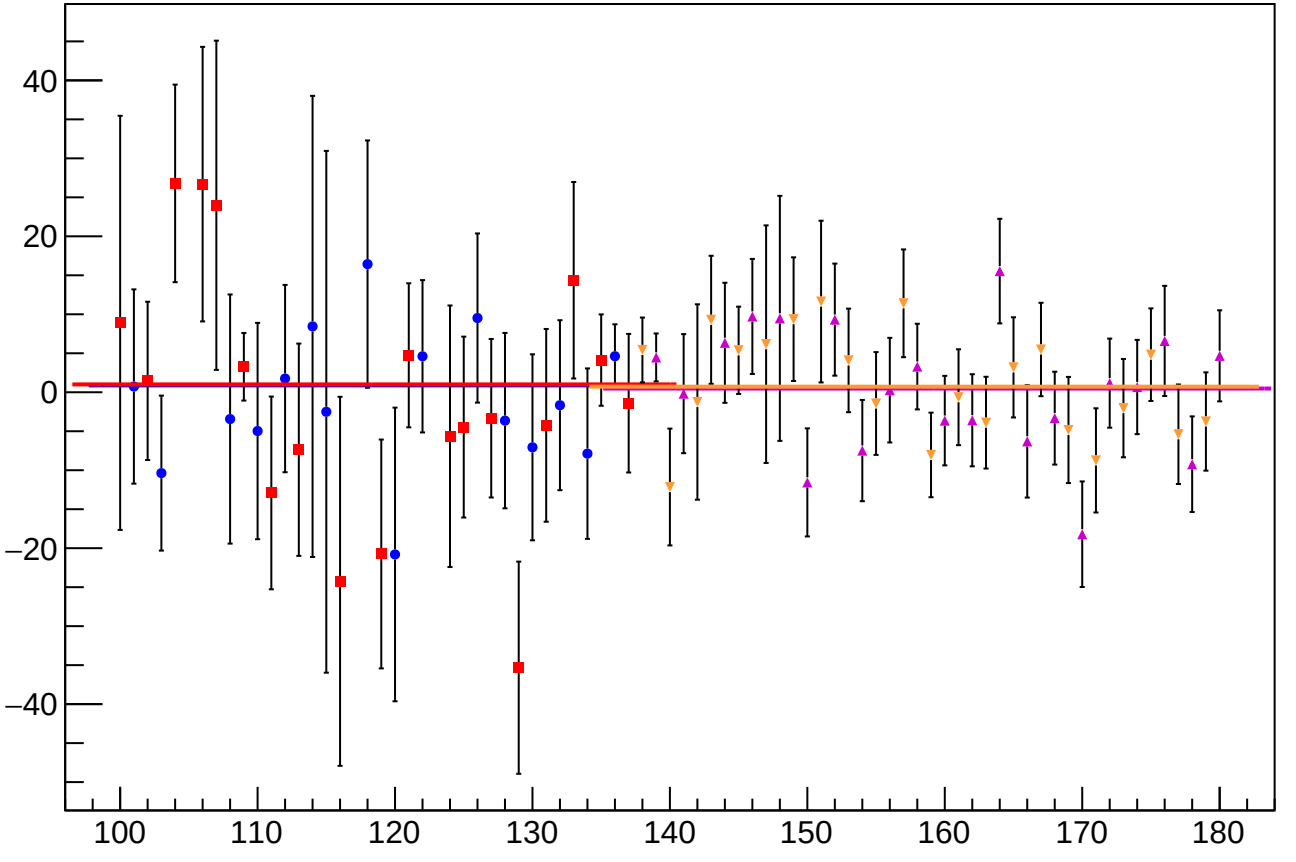
Left In: 8299.545+/-1.421 χ^2/NDF:245531.1/20

+ sign 8886.464+/-1.308 χ^2/NDF: 2917281.1/37

All: 8943.253+/-0.932 χ^2/NDF: 6192880.1/77

- sign 9001.763+/-1.328 χ^2/NDF: 3271771.8/39

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.716+/-1.395 χ^2/NDF:20.0/21

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

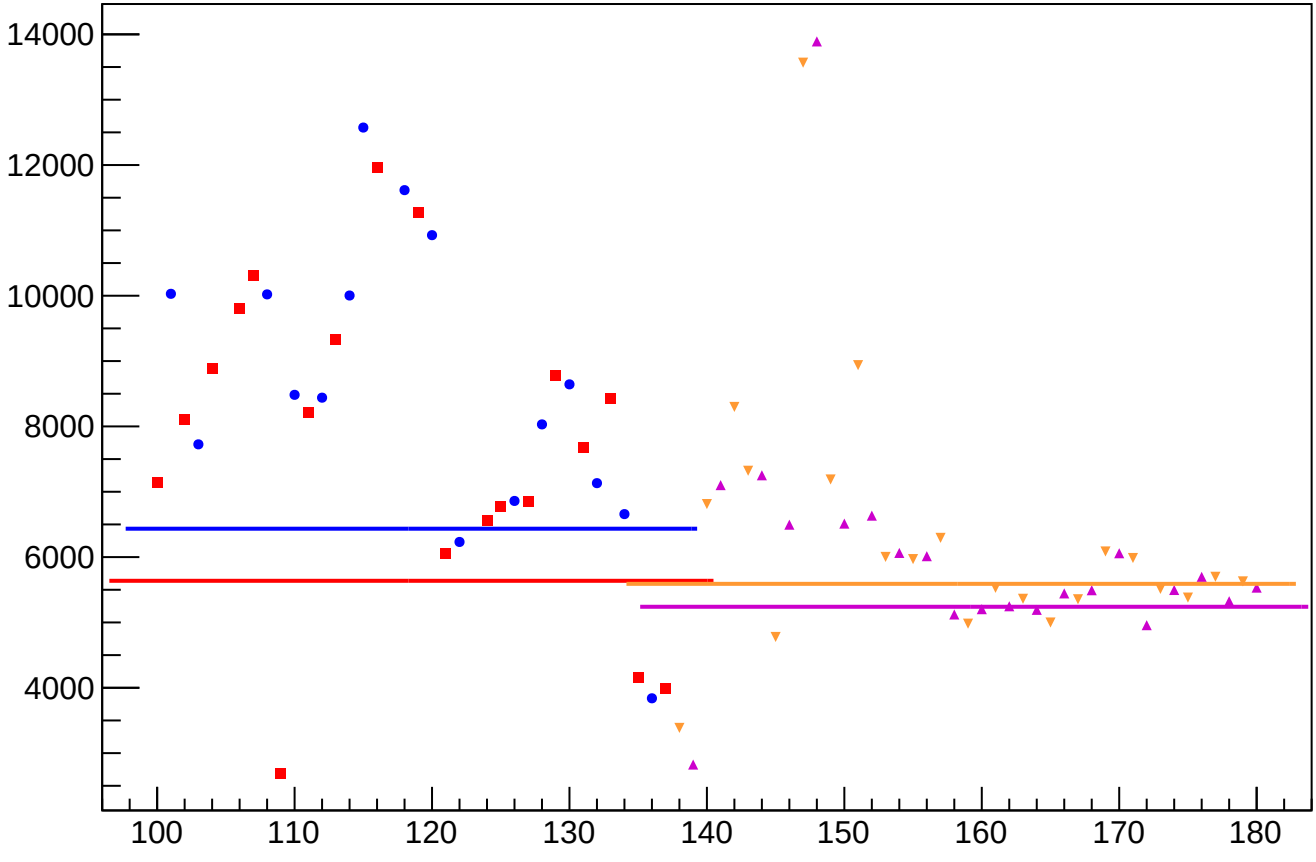
Left In: 0.475+/-1.329 χ^2/NDF:29.2/20

+ sign 0.754+/-1.226 χ^2/NDF: 26.9/37

All: 0.676+/-0.840 χ^2/NDF: 78.4/77

- 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: 5590.722+/-0.987 χ^2/NDF:1782807.9/21

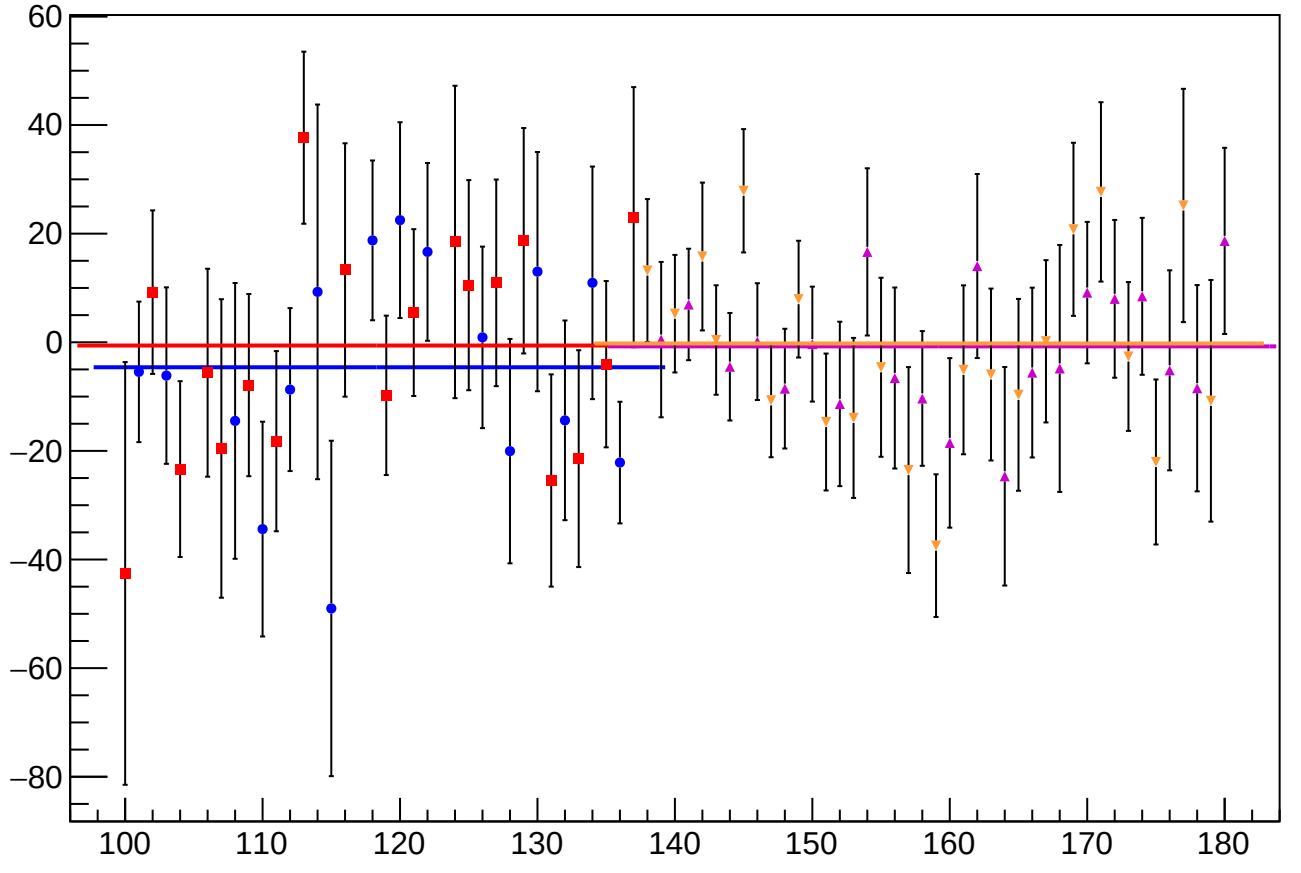
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5239.924+/-0.940 χ^2/NDF:2414743.3/20

+ sign 5783.280+/-0.867 χ^2/NDF: 3700341.0/37

All: 5547.210+/-0.594 χ^2/NDF: 8879210.3/77

- 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: -0.223+/-2.943 χ^2/NDF:31.0/21

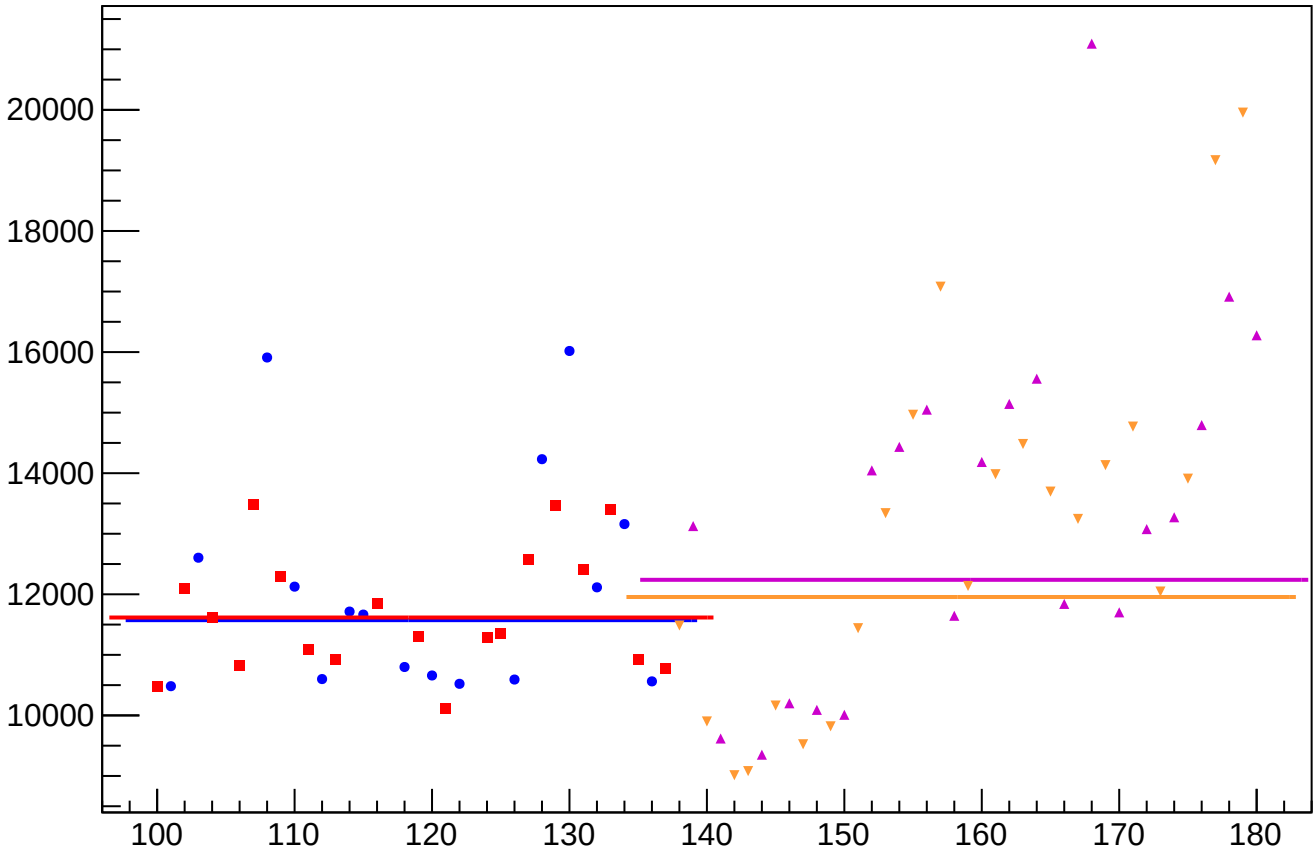
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -0.757+/-3.019 χ^2/NDF:10.2/20

+ sign -1.596+/-2.438 χ^2/NDF: 47.5/37

All: -1.155+/-1.733 χ^2/NDF: 75.6/77

- sign -0.704+/-2.464 χ^2/NDF: 28.1/39



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11955.443+/-2.081 χ^2/NDF:1533687.4/21

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

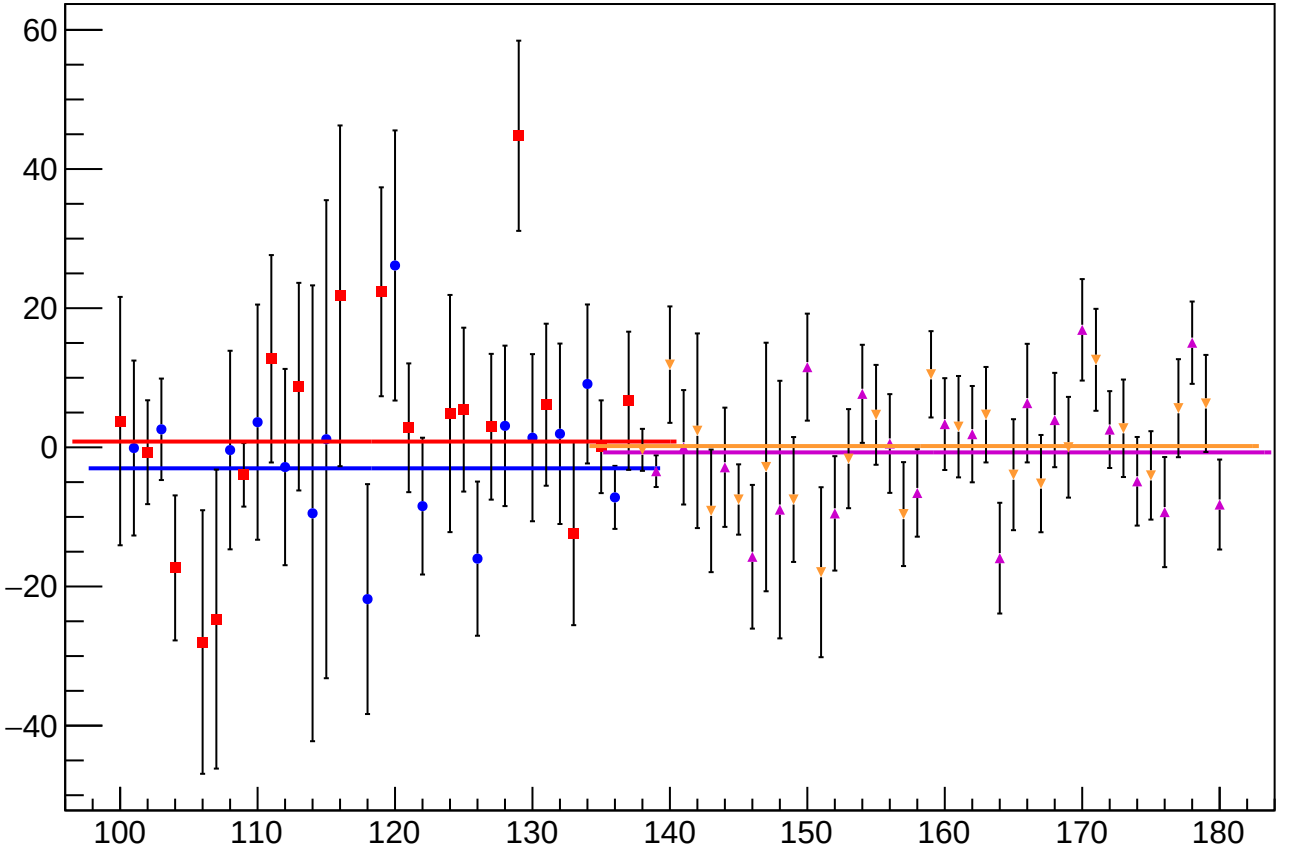
Left In: 12239.200+/-2.135 χ^2/NDF:1415651.6/20

+ sign 11835.581+/-1.724 χ^2/NDF: 1804340.5/37

All: 11932.505+/-1.226 χ^2/NDF: 3347911.8/7

- 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: 0.182+/-1.434 χ^2/NDF:19.6/21

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

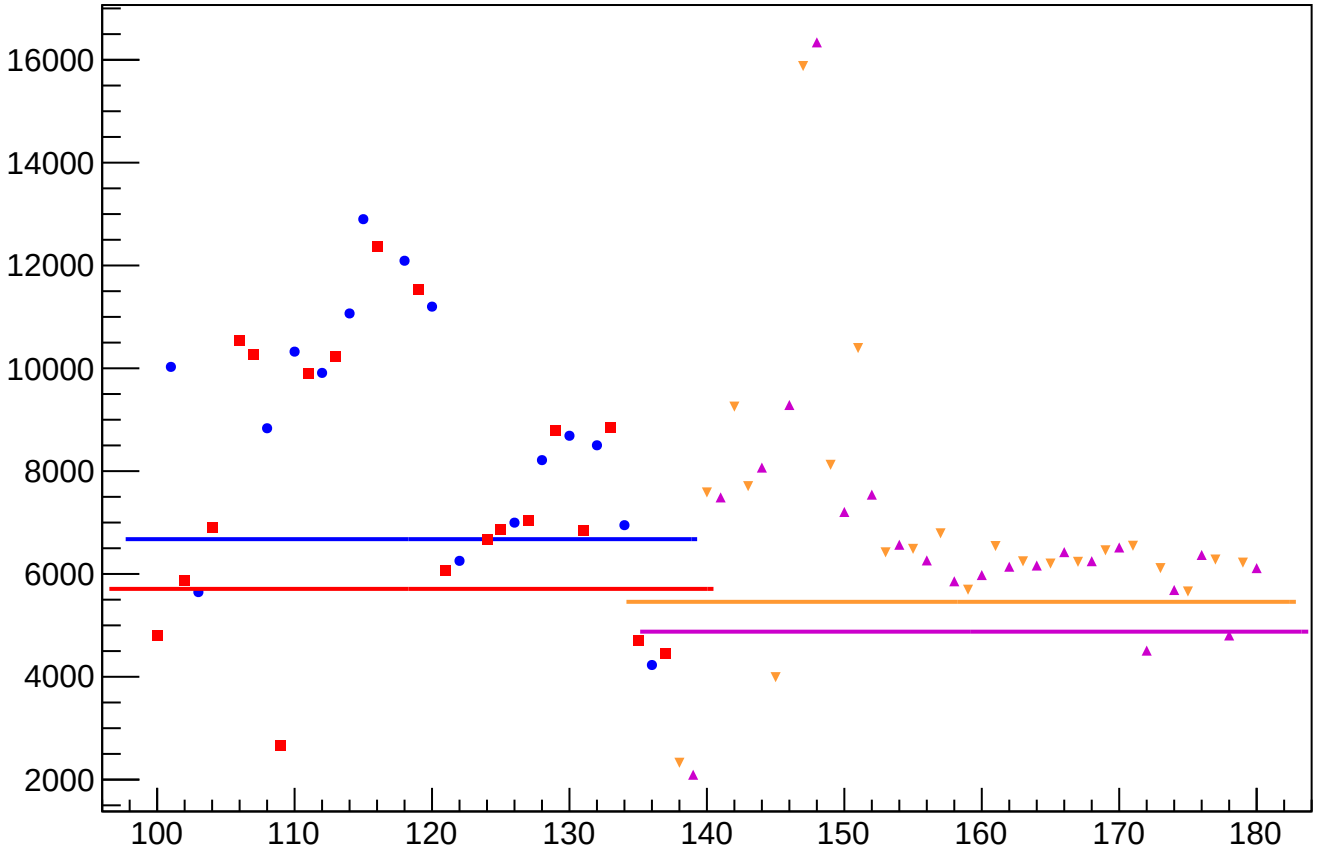
Left In: -0.726+/-1.325 χ^2/NDF:31.3/20

+ sign -0.540+/-1.262 χ^2/NDF: 29.4/37

All: -0.437+/-0.852 χ^2/NDF: 84.9/77

- 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: 5458.188+/-1.014 χ^2/NDF:4321183.0/21

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

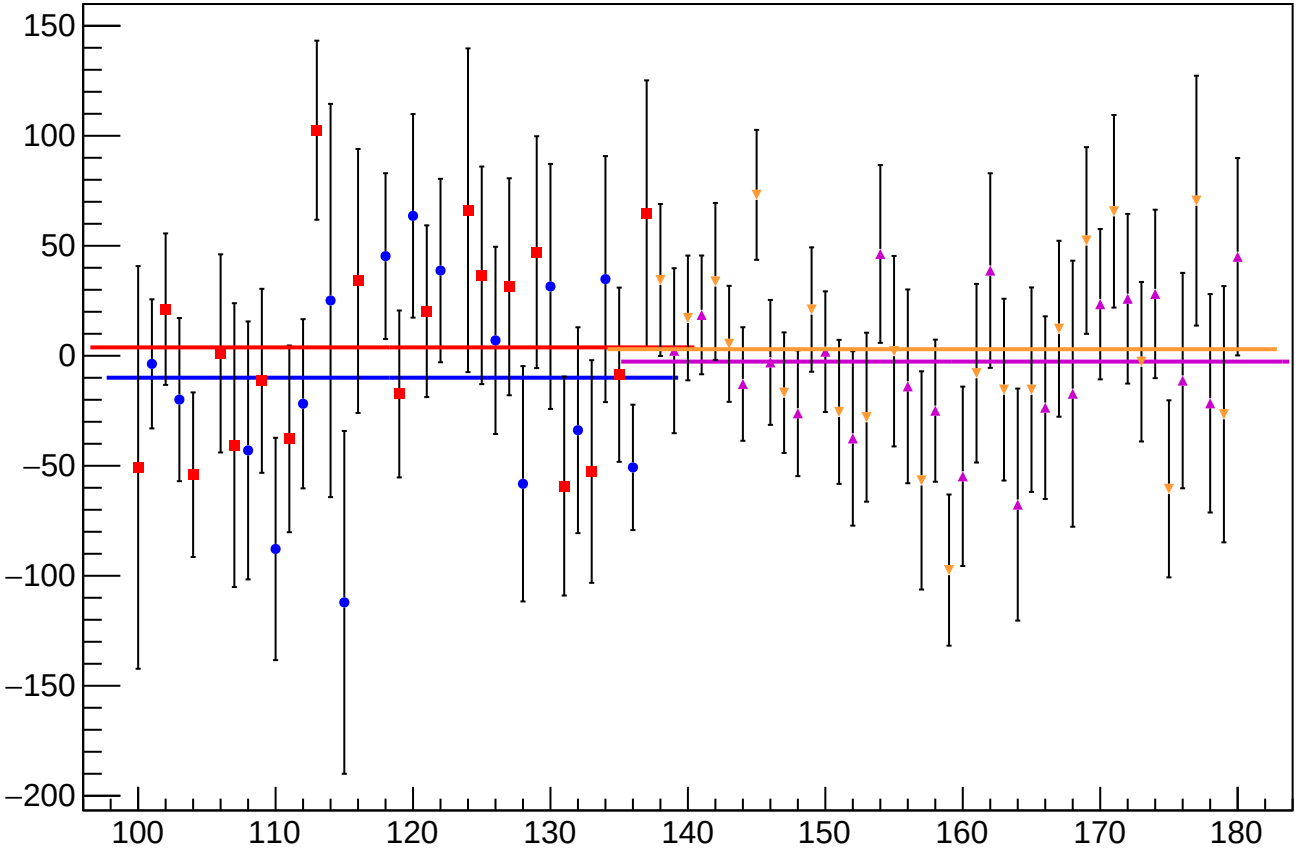
Left In: 4877.676+/-0.937 χ^2/NDF:5831441.3/20

+ sign 5733.570+/-0.892 χ^2/NDF: 6220499.9/37

All: 5376.747+/-0.602 χ^2/NDF: 14837002.4/7

- 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: 2.989+/-7.721 χ^2/NDF:27.9/21

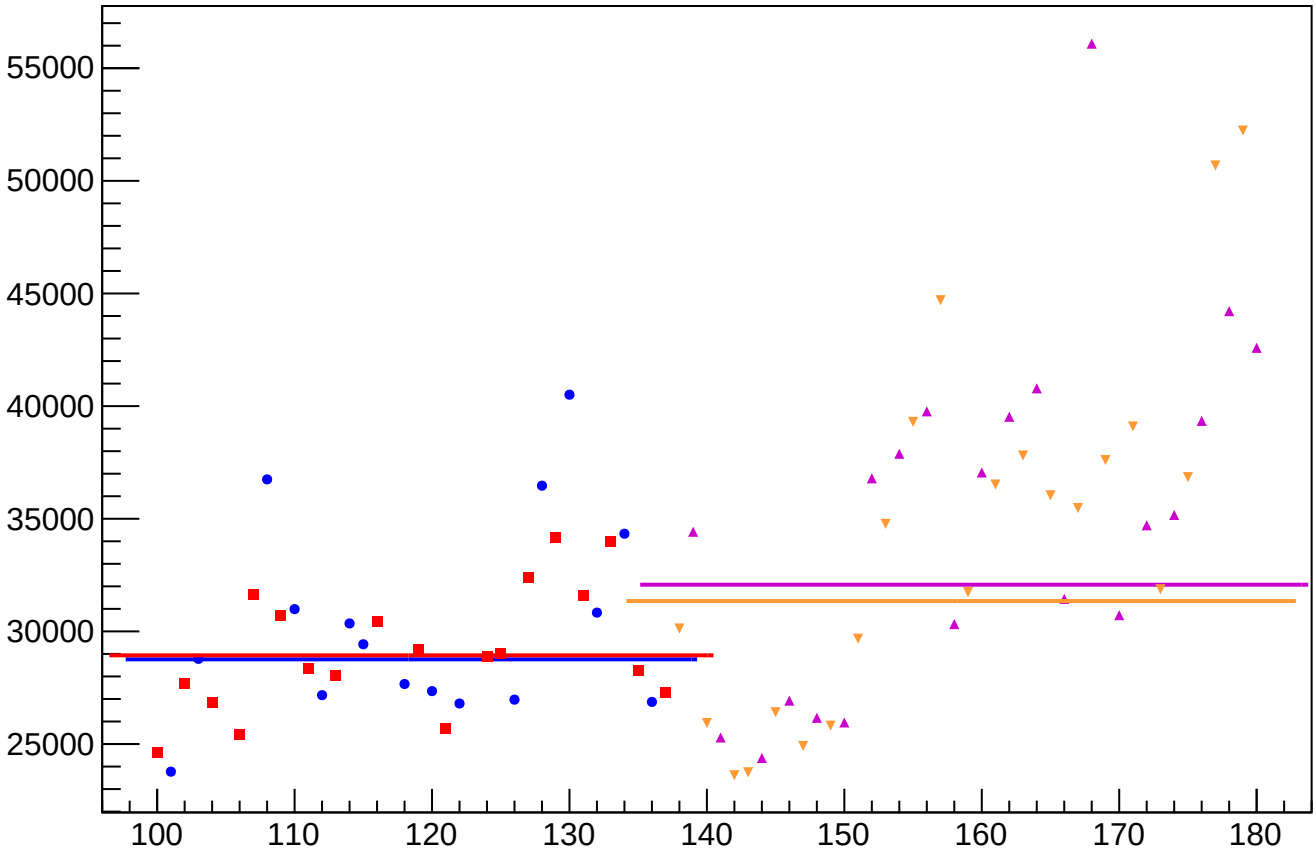
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.647+/-7.916 χ^2/NDF:11.7/20

+ sign -1.374+/-6.288 χ^2/NDF: 44.1/37

All: -0.864+/-4.468 χ^2/NDF: 73.4/77

- 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: 31347.627+/-5.459 χ^2/NDF:1568245.0/21

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

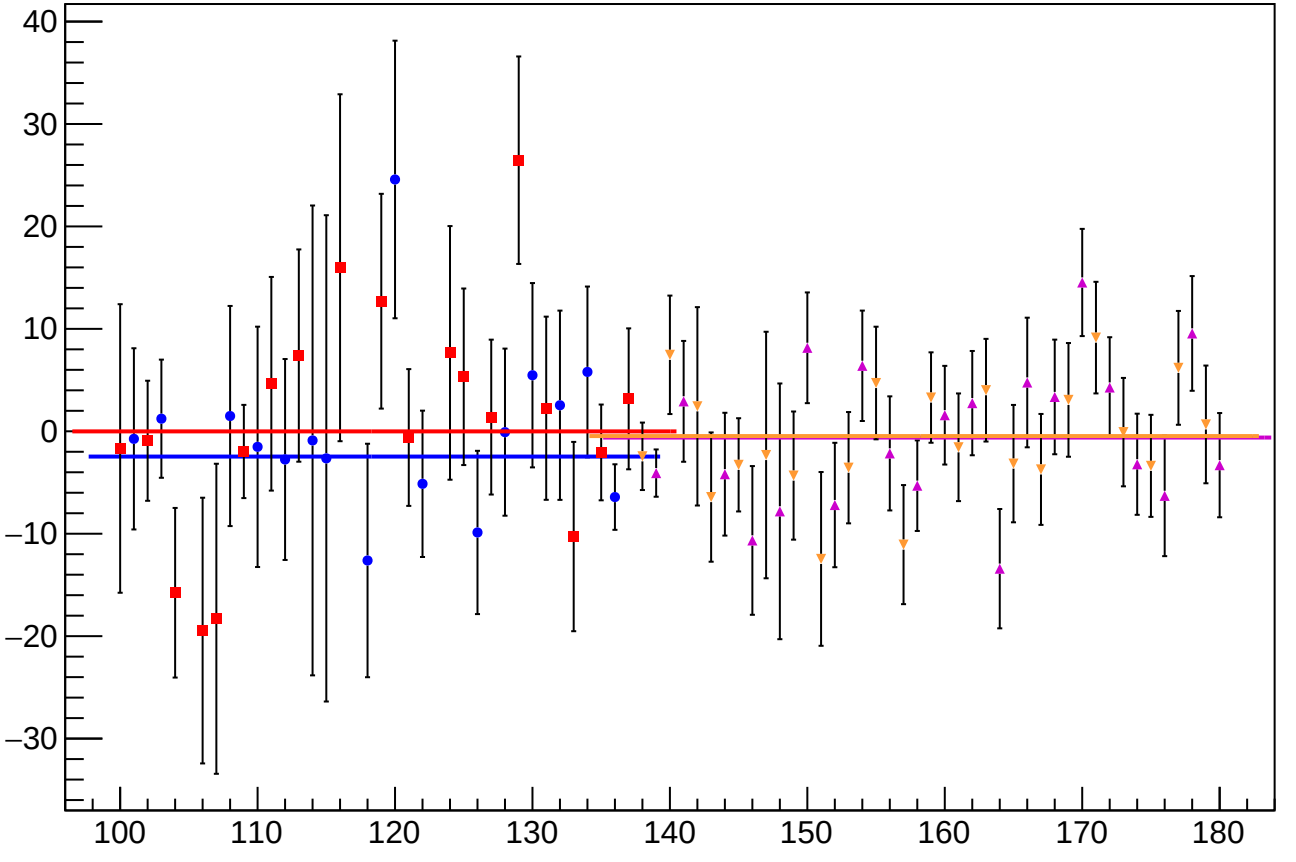
Left In: 32073.095+/-5.597 χ^2/NDF:1455709.8/20

+ sign 30476.031+/-4.446 χ^2/NDF: 1921582.1/37

All: 30713.370+/-3.159 χ^2/NDF: 3601163.2/7

- sign 30955.435+/-4.490 χ^2/NDF: 1673825.6/39

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.466+/-1.158 χ^2/NDF:18.0/21

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

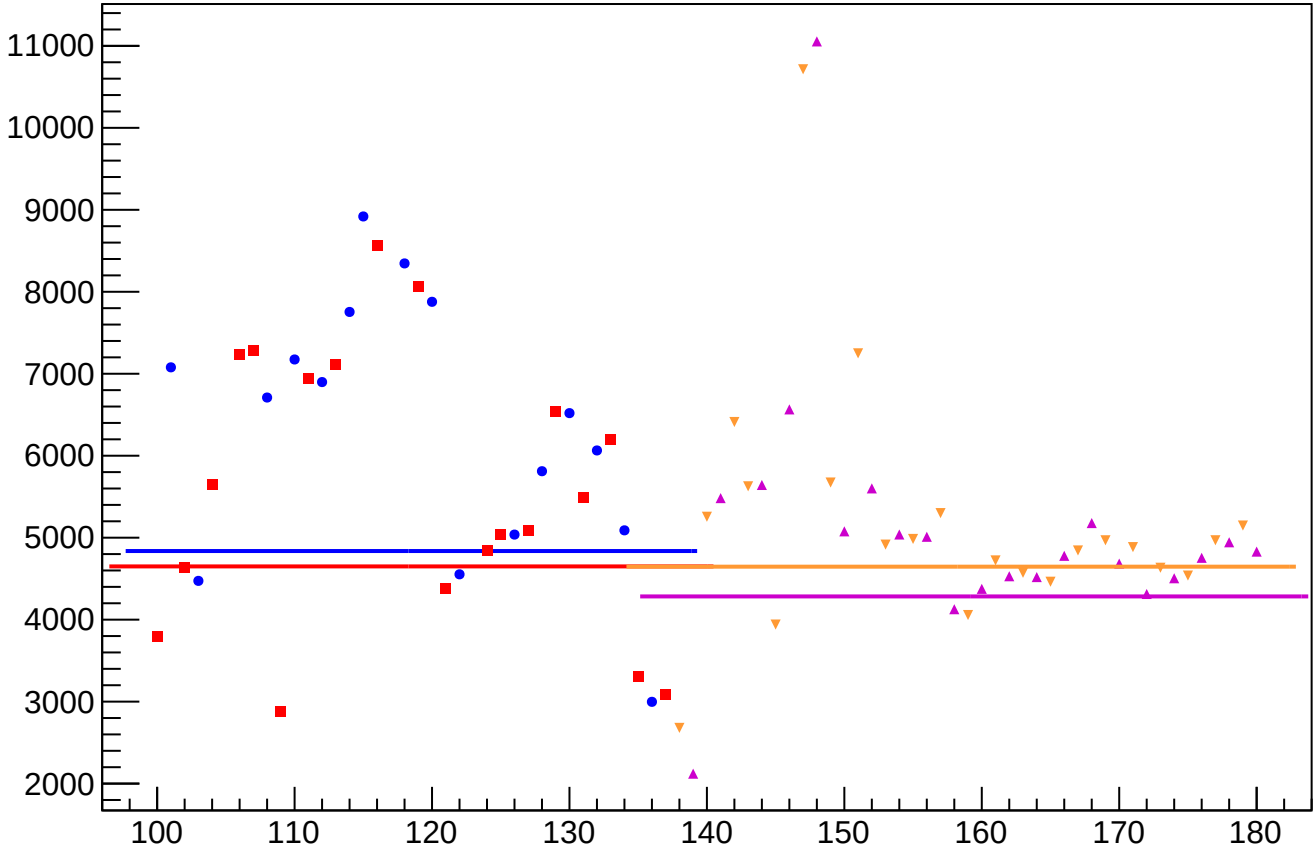
Left In: -0.612+/-1.094 χ^2/NDF:32.8/20

+ sign -1.002+/-0.991 χ^2/NDF: 28.9/37

All: -0.713+/-0.682 χ^2/NDF: 81.8/77

- 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: 4646.407+/-0.819 χ^2/NDF:1761907.5/21

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

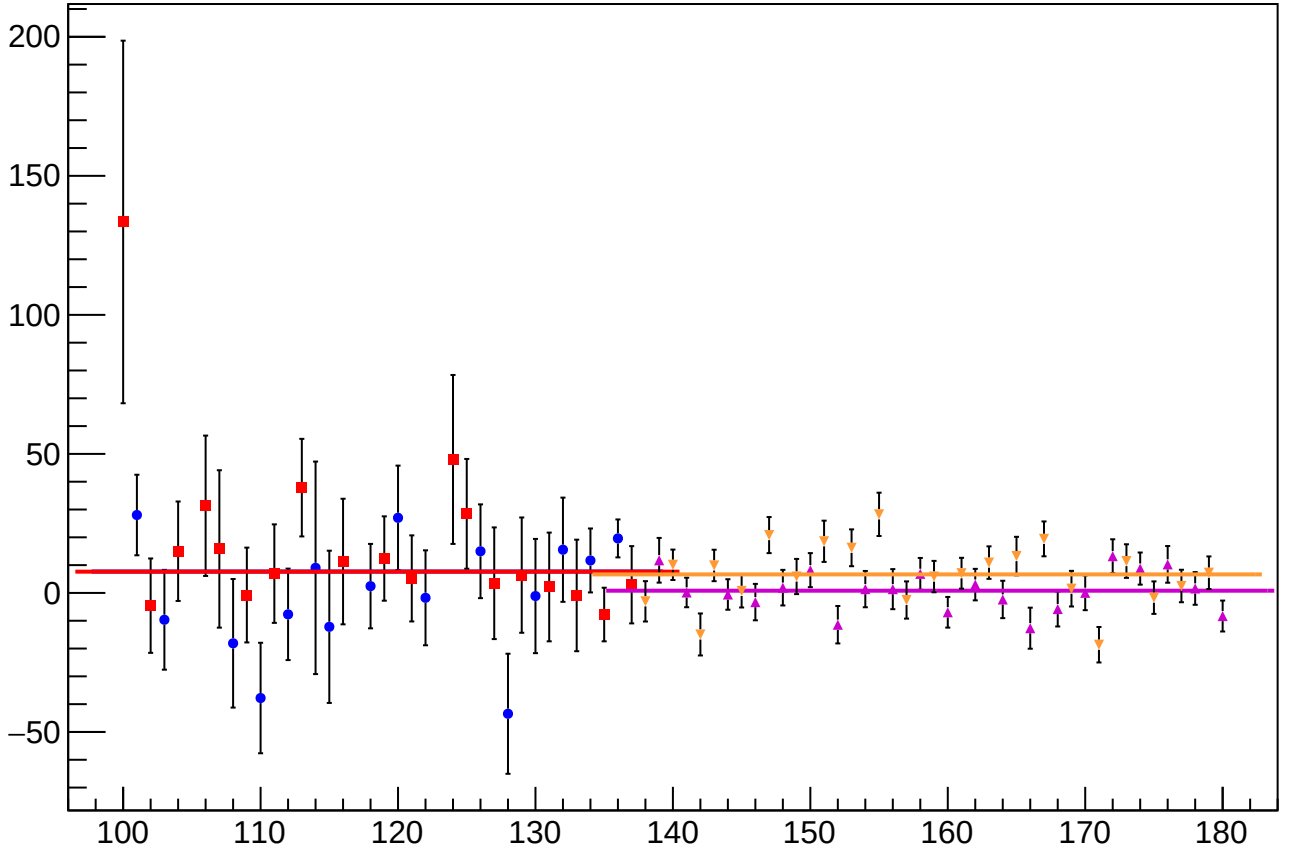
Left In: 4283.452+/-0.774 χ^2/NDF:3091019.7/20

+ sign 4697.455+/-0.701 χ^2/NDF: 3324201.2/37

All: 4530.186+/-0.482 χ^2/NDF: 8016981.6/77

- 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: 6.664+/-1.335 χ^2/NDF:55.9/21

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

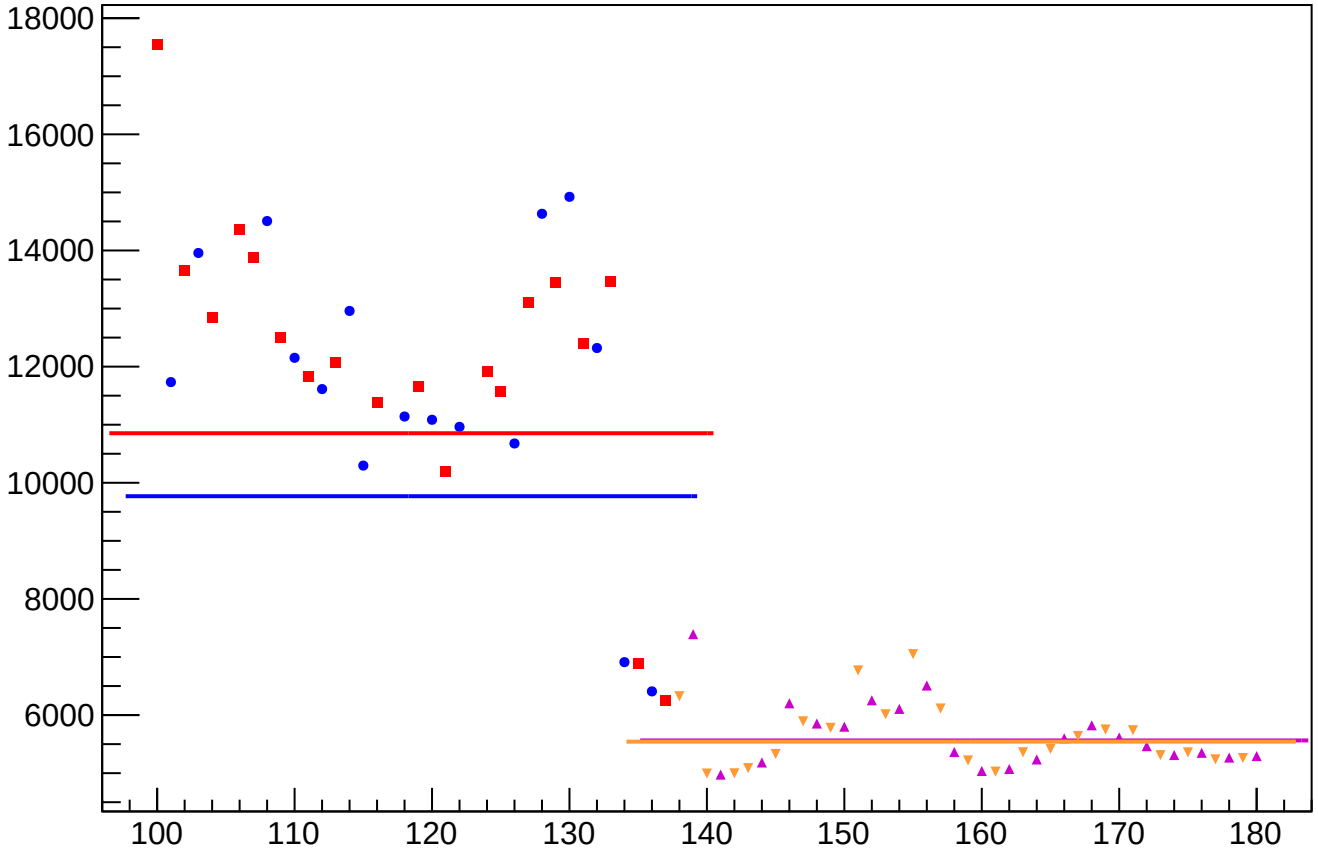
Left In: 0.804+/-1.348 χ^2/NDF:25.9/20

+ sign 6.776+/-1.260 χ^2/NDF: 77.6/37

All: 4.166+/-0.898 χ^2/NDF: 129.3/77

- 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: 5542.610+/-0.944 χ^2/NDF:278407.5/21

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

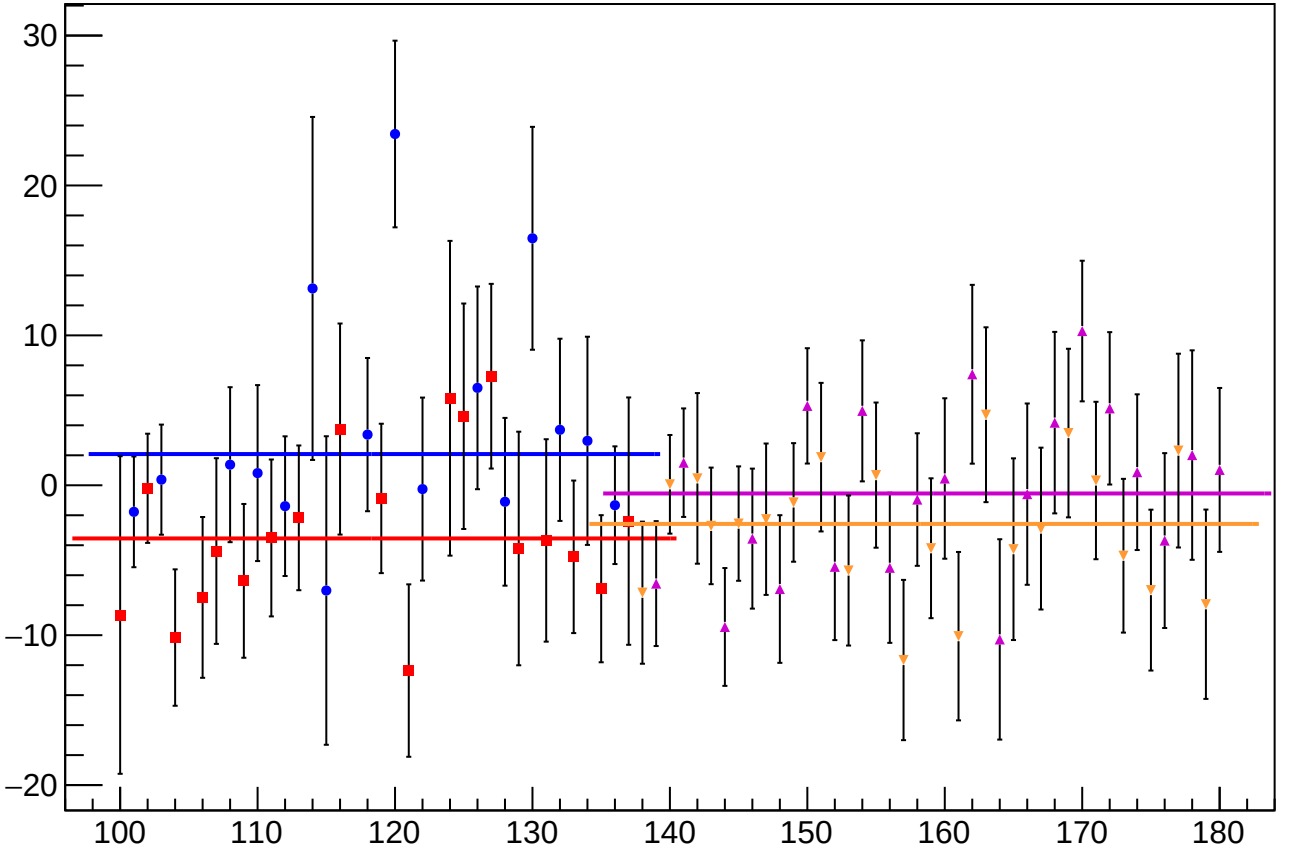
Left In: 5563.233+/-0.953 χ^2/NDF:293417.2/20

+ sign 6002.338+/-0.891 χ^2/NDF: 3673987.9/37

All: 6040.138+/-0.635 χ^2/NDF: 7851148.5/77

- 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: -2.578+/-1.041 χ^2/NDF:13.7/21

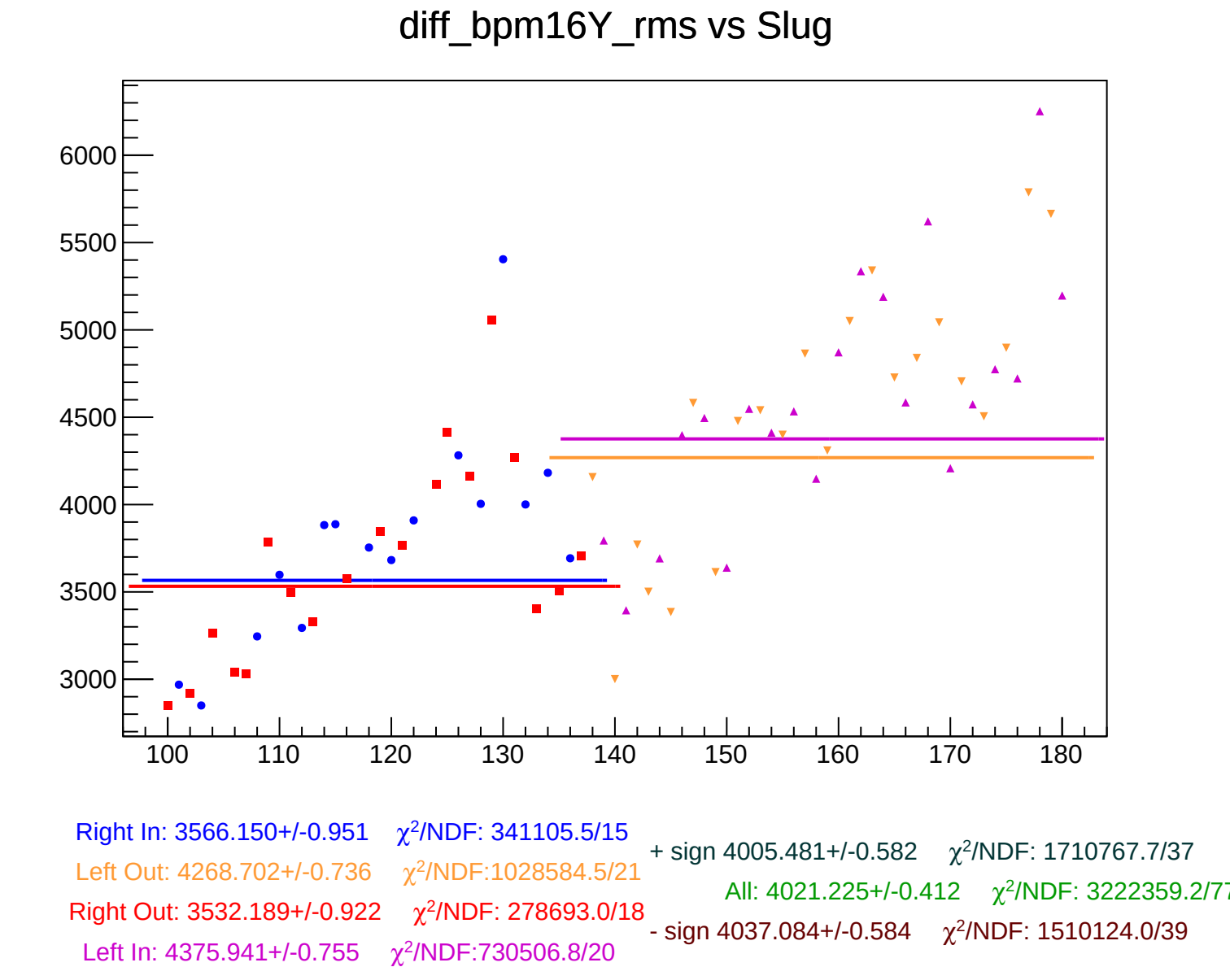
Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: -0.547+/-1.068 χ^2/NDF:27.0/20

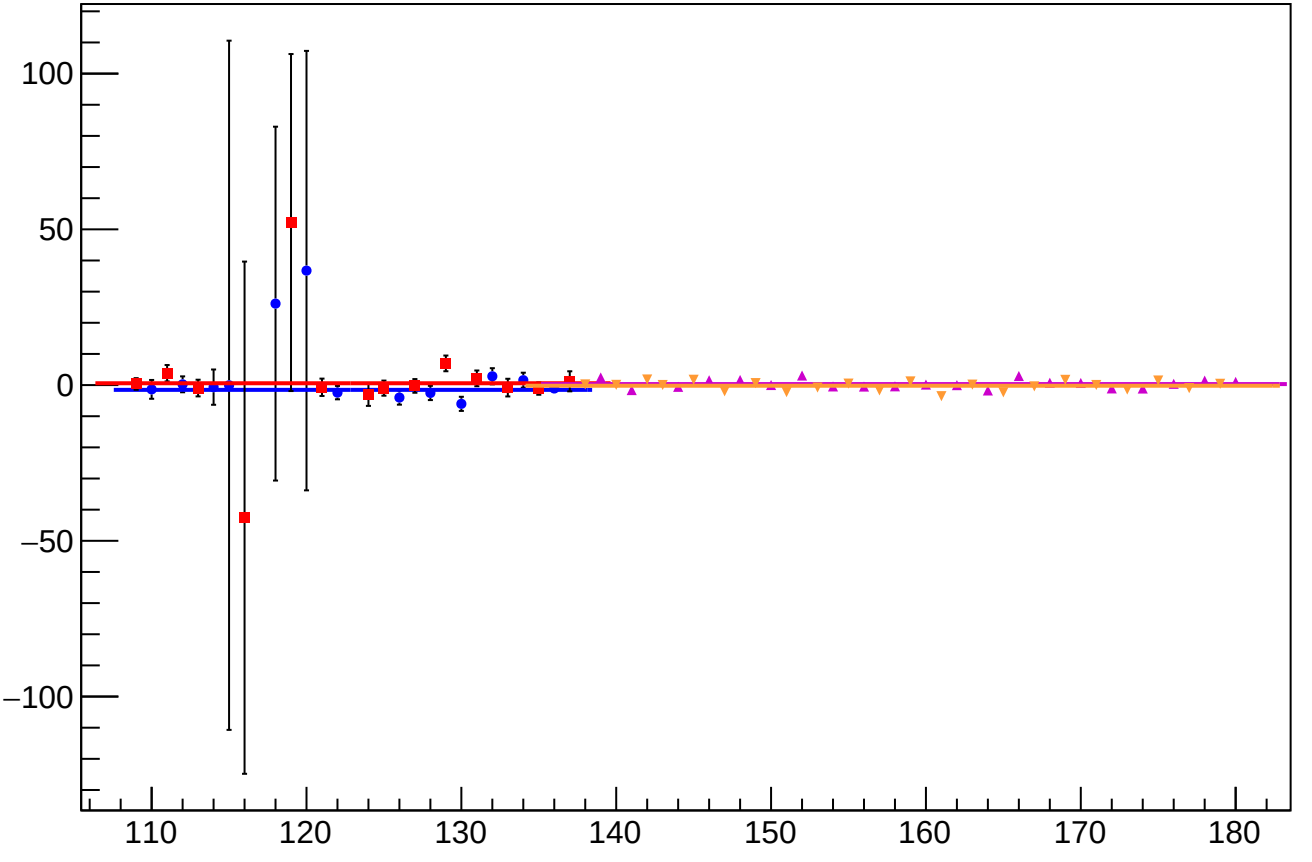
+ sign -0.832+/-0.823 χ^2/NDF: 42.1/37

All: -1.290+/-0.583 χ^2/NDF: 86.4/77

- sign -1.751+/-0.826 χ^2/NDF: 43.6/39


diff_bpm16Y_rms vs Slug
6000
5500
5000
4500
4000
3500
3000
100
110
120
130
140
150
160
170
180
Right In: 3566.150+/-0.951 χ²/NDF: 341105.5/15
Left Out: 4268.702+/-0.736 χ²/NDF:1028584.5/21
Right Out: 3532.189+/-0.922 χ²/NDF: 278693.0/18
Left In: 4375.941+/-0.755 χ²/NDF:730506.8/20
+ sign 4005.481+/-0.582 χ²/NDF: 1710767.7/37
All: 4021.225+/-0.412 χ²/NDF: 3222359.2/77
- sign 4037.084+/-0.584 χ²/NDF: 1510124.0/39

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.209+/-0.245 χ^2/NDF:33.4/21

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

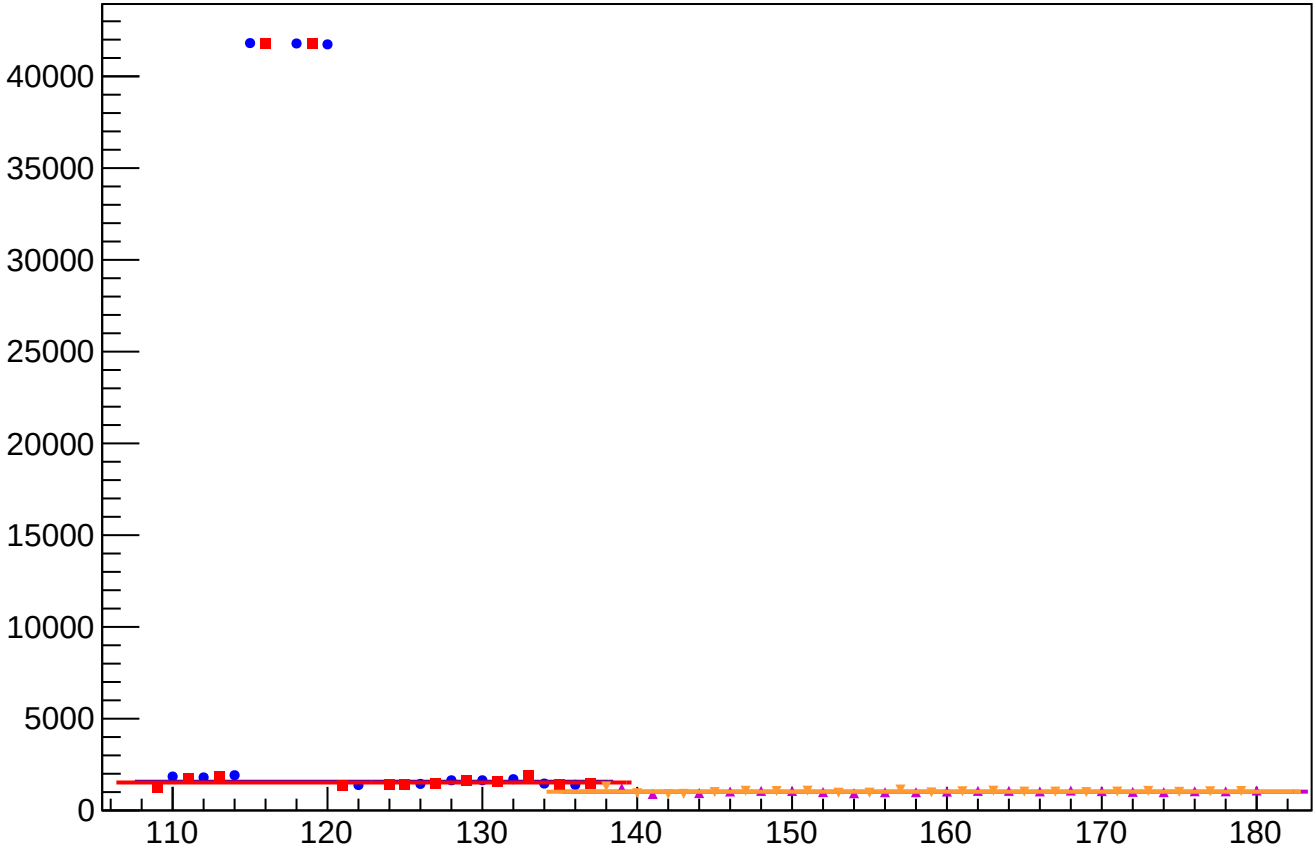
Left In: 0.320+/-0.248 χ^2/NDF:28.6/20

+ sign -0.343+/-0.233 χ^2/NDF: 47.5/34

All: 0.001+/-0.165 χ^2/NDF: 93.3/69

- 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: 1020.666+/-0.173 χ^2/NDF:184196.4/21

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

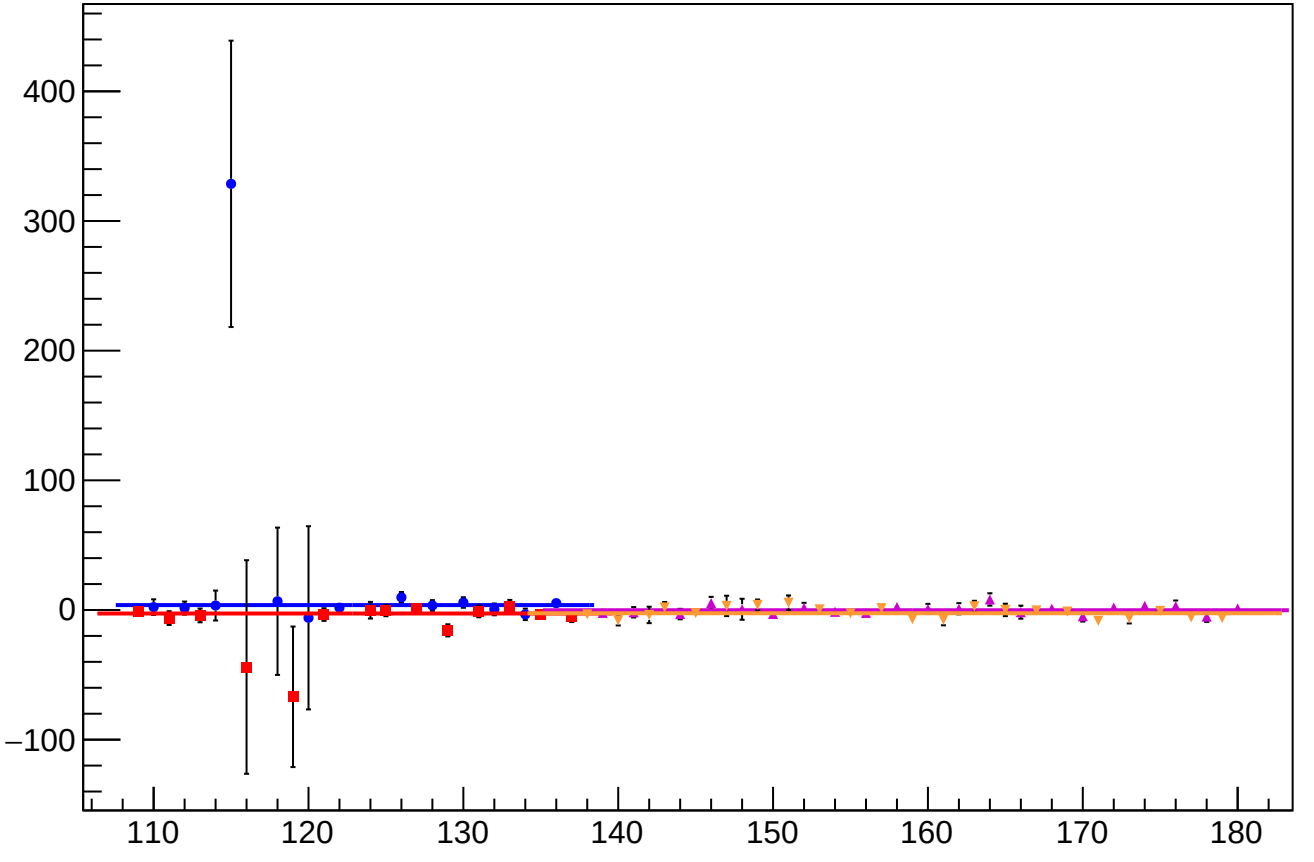
Left In: 1024.298+/-0.175 χ^2/NDF:132584.5/20

+ sign 1075.413+/-0.164 χ^2/NDF: 3191308.2/34

All: 1076.428+/-0.117 χ^2/NDF: 5930304.2/69

- 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: -2.517+/-0.819 χ^2/NDF:20.2/21

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

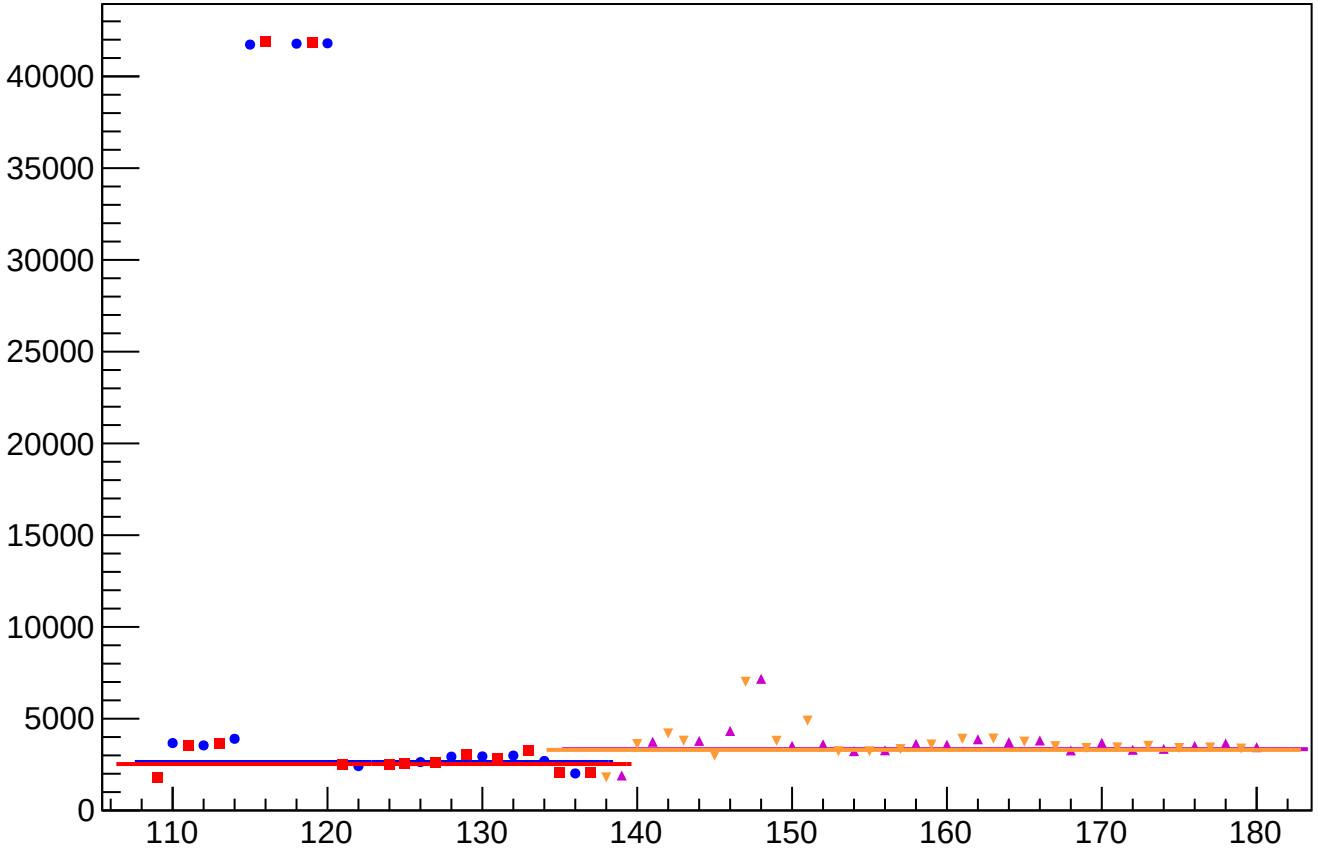
Left In: -0.197+/-0.831 χ^2/NDF:12.6/20

+ sign -0.623+/-0.685 χ^2/NDF: 53.1/34

All: -0.812+/-0.484 χ^2/NDF: 82.4/69

- 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: 3300.874+/-0.579 χ^2/NDF:1885835.2/21

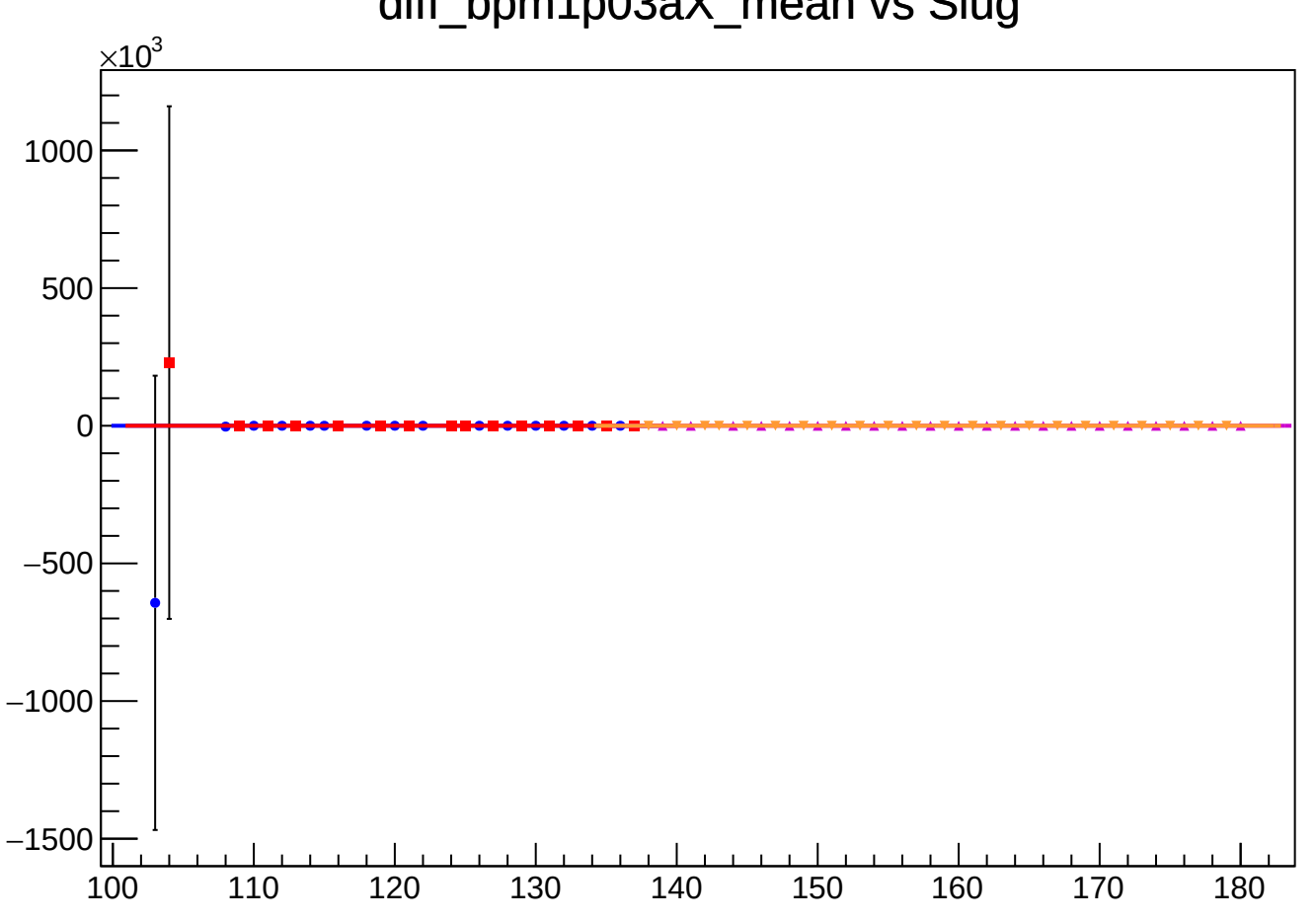
Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3341.007+/-0.588 χ^2/NDF:1627196.1/20

+ sign 3101.966+/-0.484 χ^2/NDF: 4451144.3/34

All: 3091.466+/-0.343 χ^2/NDF: 8640478.0/69

- sign 3080.951+/-0.485 χ^2/NDF: 4188392.7/34



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.719+/-0.382 χ^2/NDF:46.6/21

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

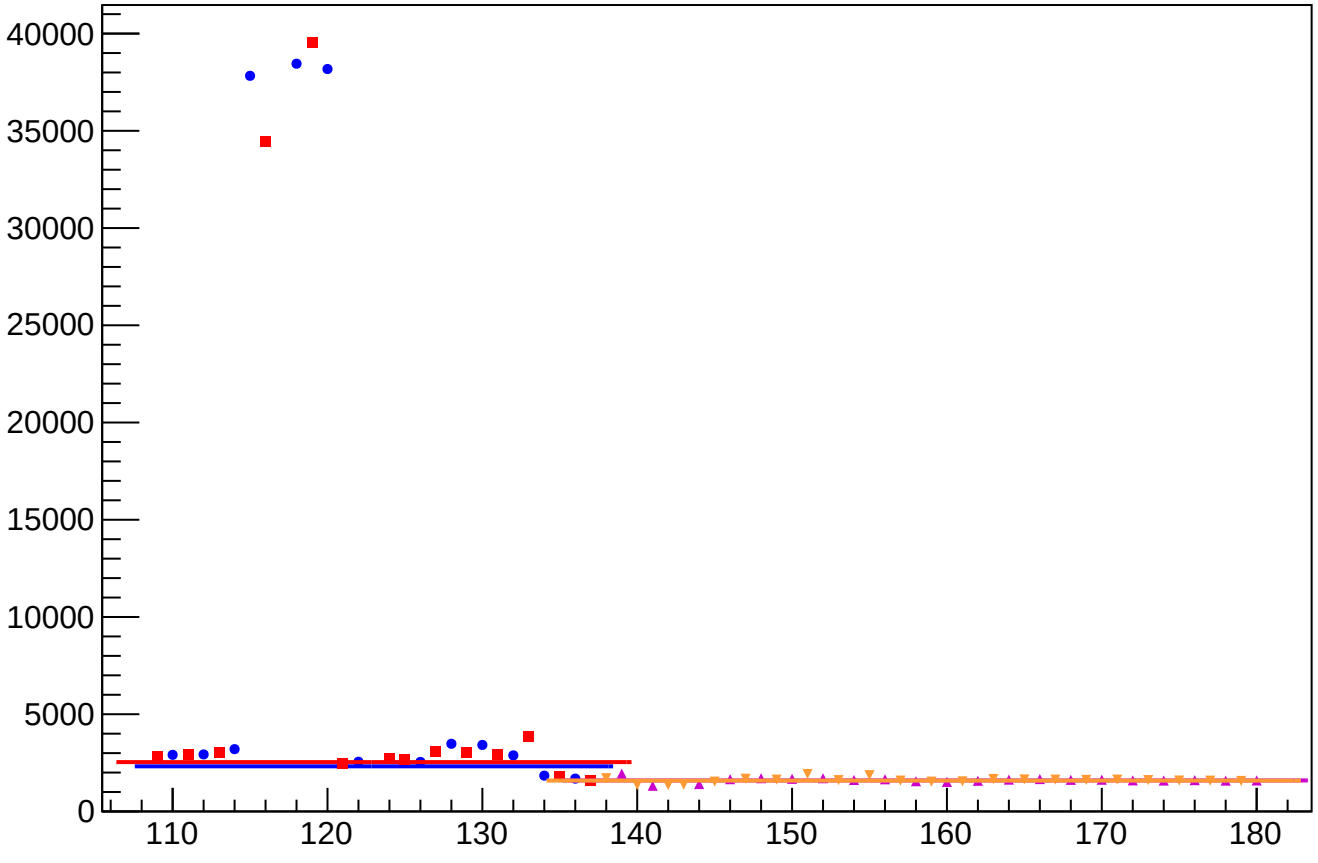
Left In: -0.077+/-0.386 χ^2/NDF:26.0/20

+ sign -1.667+/-0.361 χ^2/NDF: 65.5/36

All: -1.003+/-0.258 χ^2/NDF: 117.0/72

- 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: 1587.494+/-0.270 χ^2/NDF:230683.8/21

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

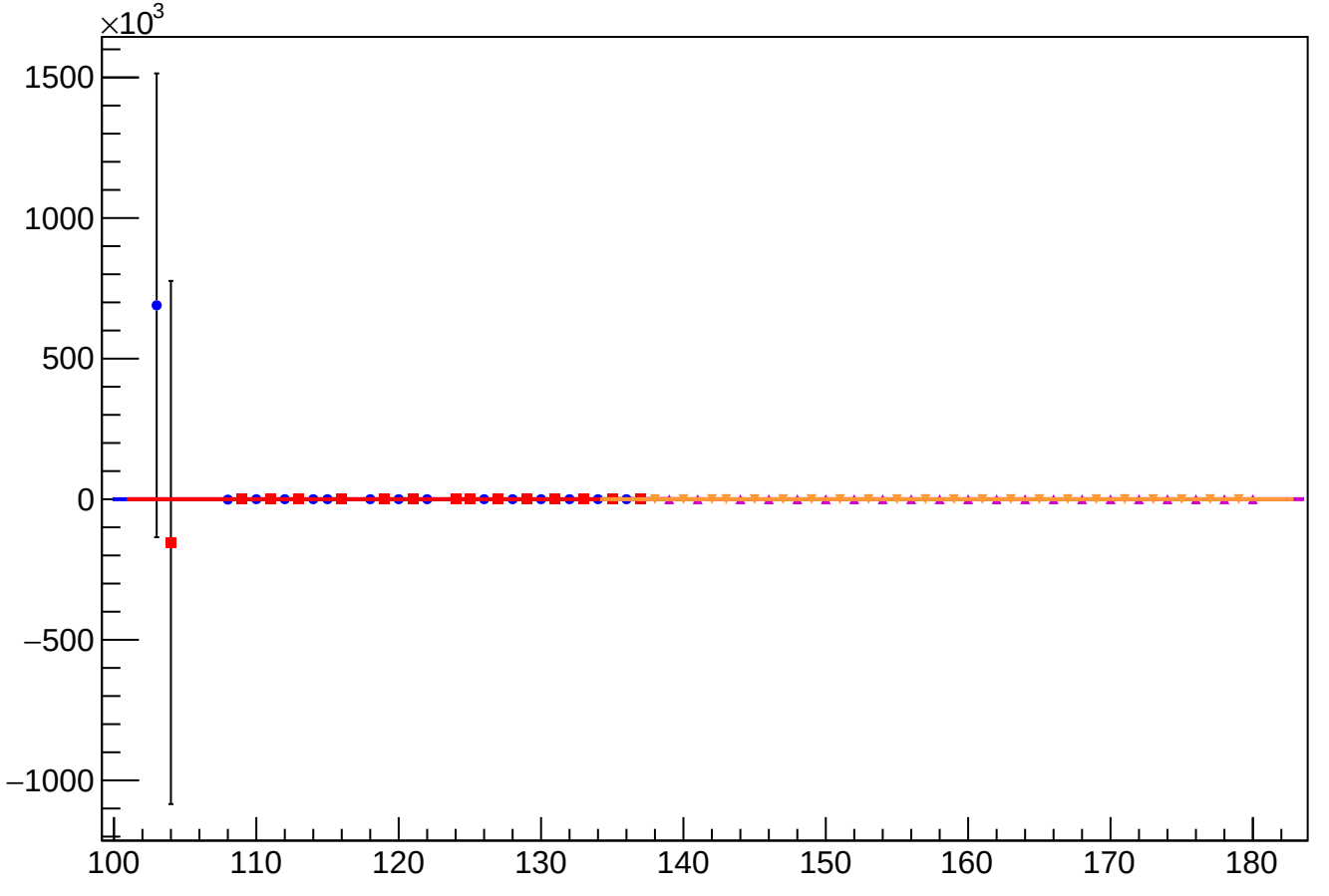
Left In: 1594.777+/-0.273 χ^2/NDF:196226.1/20

+ sign 1663.127+/-0.256 χ^2/NDF: 3453095.6/34

All: 1672.232+/-0.182 χ^2/NDF: 6790433.6/69

- 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: -1.196+/-0.528 χ^2/NDF:22.0/21

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

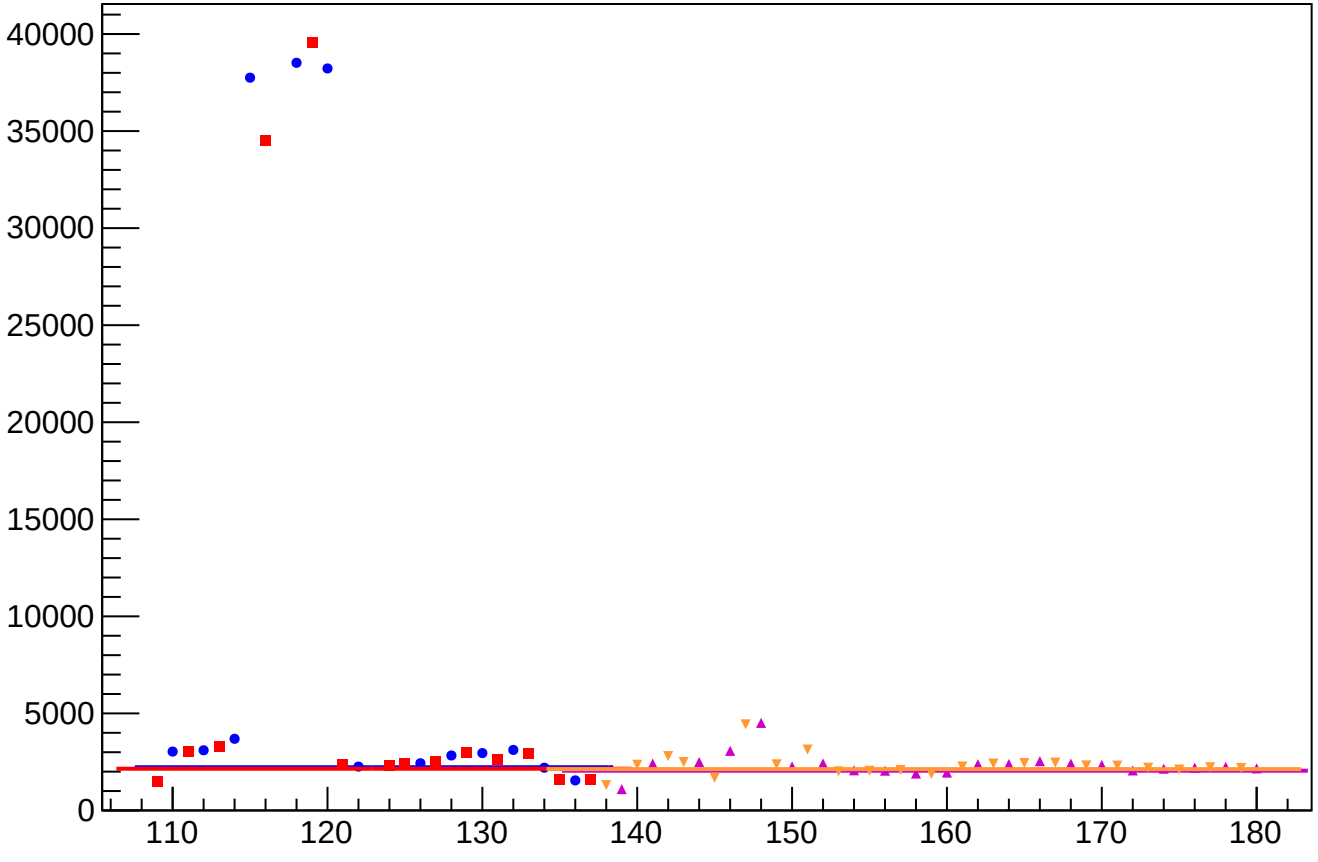
Left In: 0.108+/-0.515 χ^2/NDF:16.4/20

+ sign -0.632+/-0.474 χ^2/NDF: 32.9/36

All: -0.451+/-0.331 χ^2/NDF: 67.8/72

- 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: 2130.173+/-0.374 χ^2/NDF:1472173.1/21

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

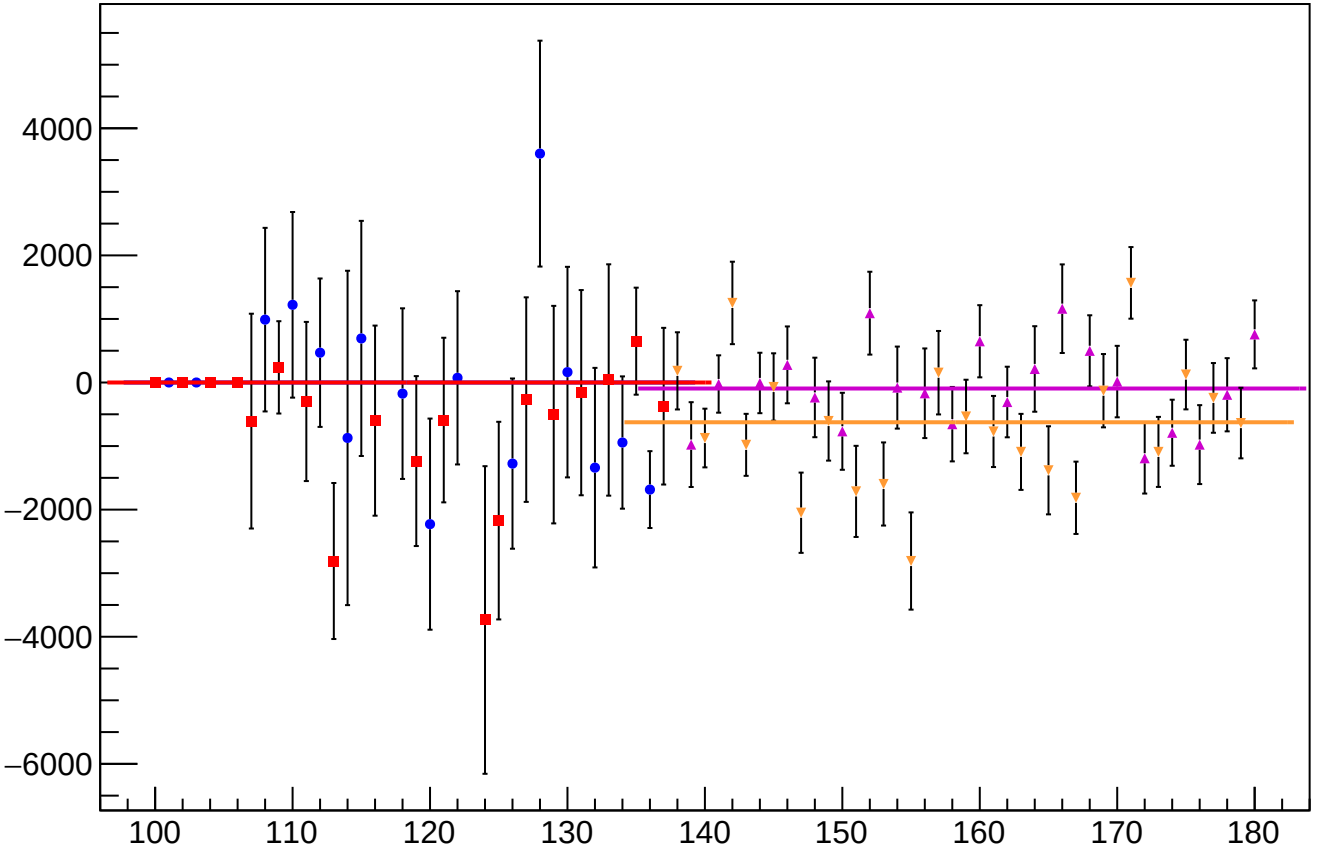
Left In: 2047.770+/-0.364 χ^2/NDF:2278397.1/20

+ sign 2148.967+/-0.335 χ^2/NDF: 4007485.6/34

All: 2107.349+/-0.234 χ^2/NDF: 8562744.5/69

- sign 2067.730+/-0.327 χ^2/NDF: 4525207.9/34

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -625.452+/-124.578 χ^2/NDF:56.4/21

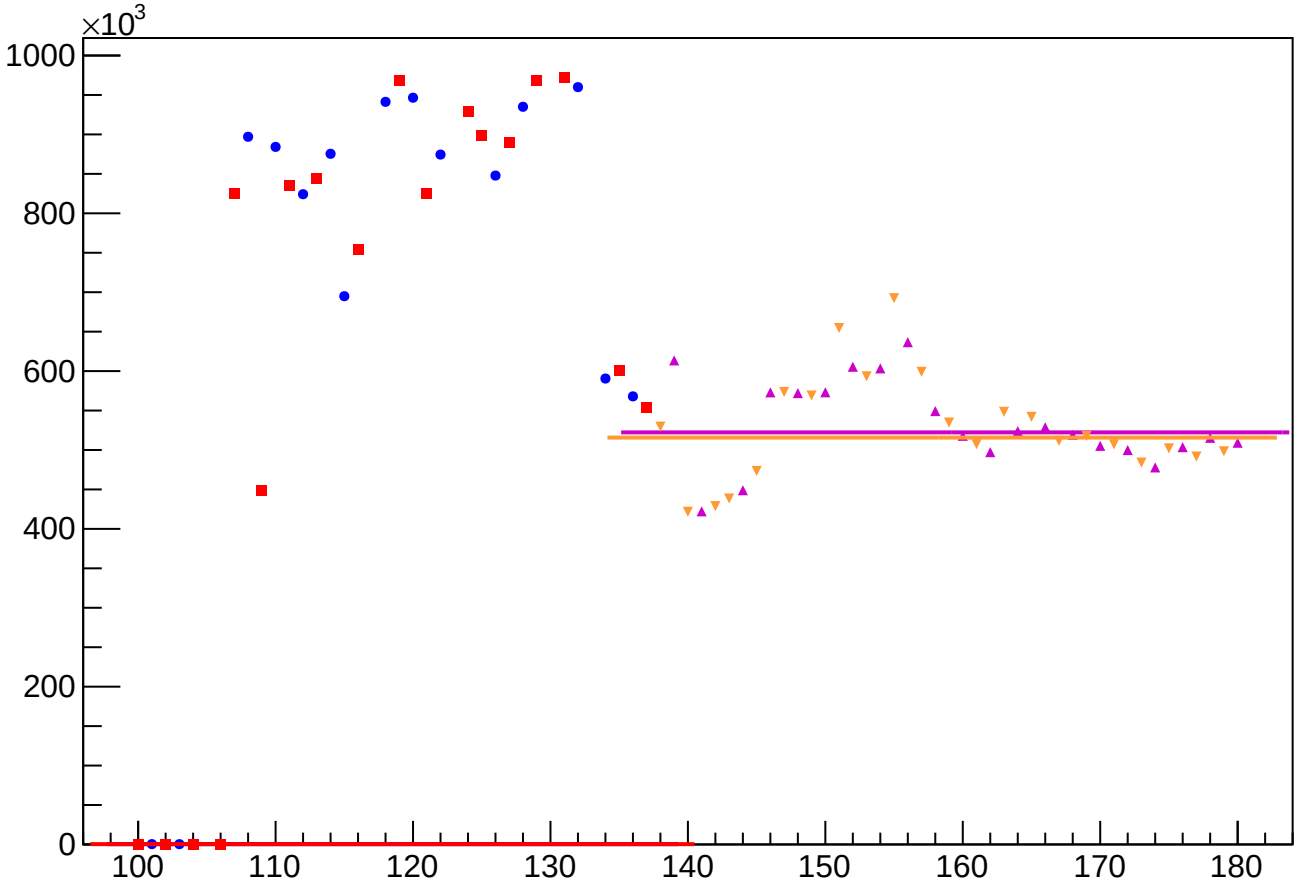
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -94.512+/-126.697 χ^2/NDF:24.5/20

\+ sign 0.250+/-0.356 χ^2/NDF: 99.4/37

All: 0.166+/-0.241 χ^2/NDF: 139.9/77

\- 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: 515725.601+/-88.090 χ^2/NDF:482200.1/21

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

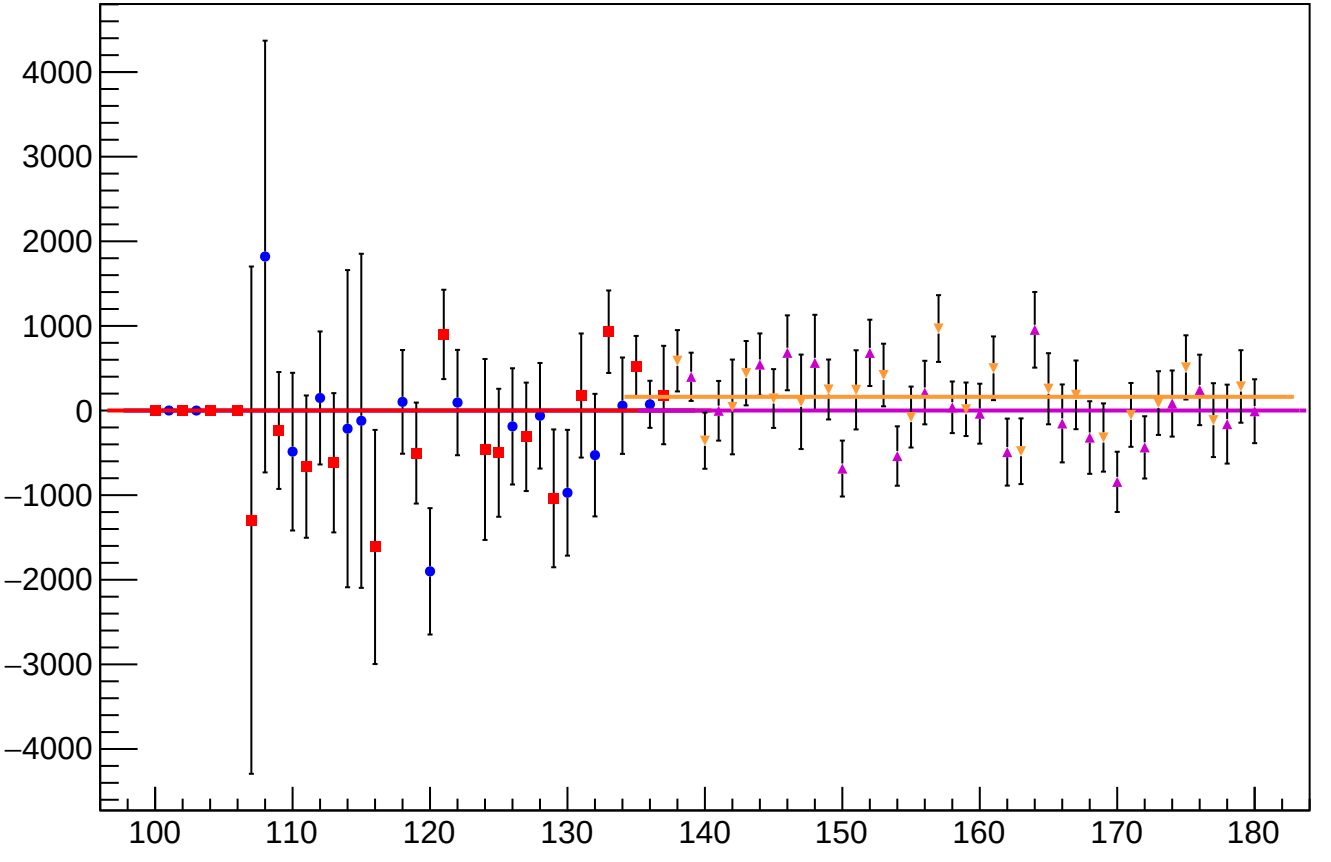
Left In: 522319.571+/-89.588 χ^2/NDF:372590.3/20

+ sign 403.081+/-0.251 χ^2/NDF: 43196539.5/36

All: 399.649+/-0.170 χ^2/NDF: 85158292.0/75

- 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: 161.931+/-82.871 χ^2/NDF:16.6/21

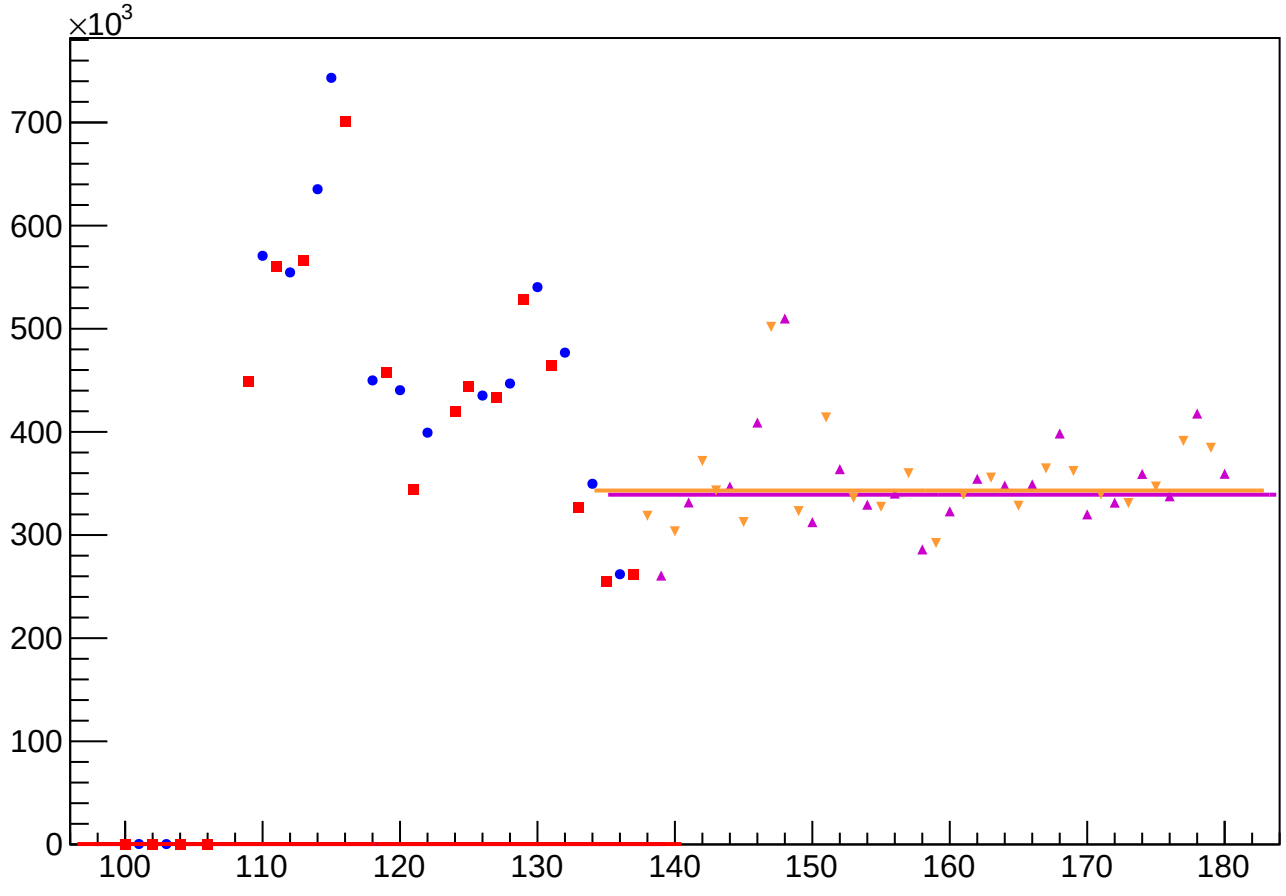
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 0.150+/-82.683 χ^2/NDF:31.8/20

+ sign -0.018+/-0.347 χ^2/NDF: 30.8/37

All: 0.312+/-0.237 χ^2/NDF: 79.3/77

- 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: 343150.765+/-58.599 χ^2/NDF:392545.6/21

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

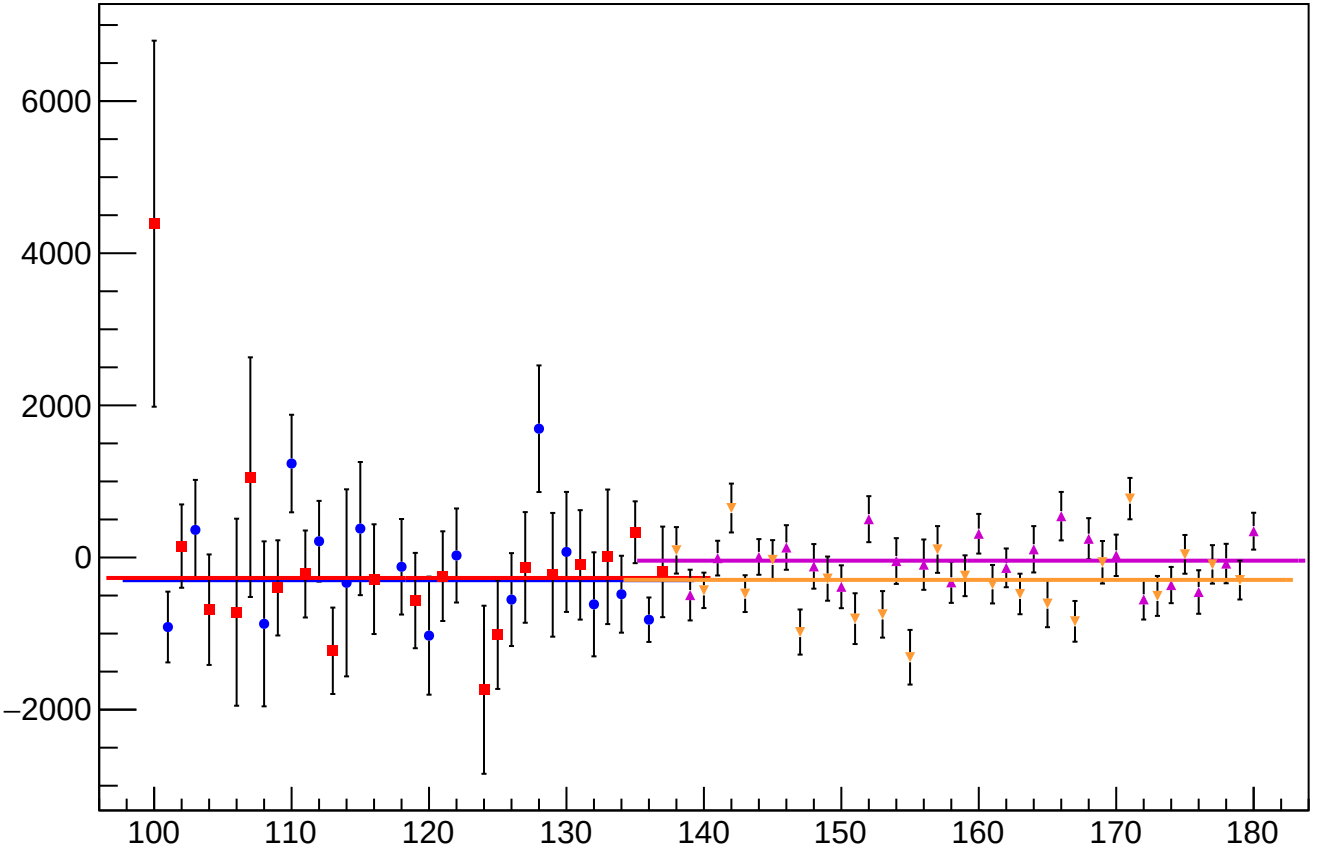
Left In: 339116.131+/-58.469 χ^2/NDF:588844.4/20

+ sign 396.289+/-0.245 χ^2/NDF: 45738325.5/36

All: 394.626+/-0.167 χ^2/NDF: 90963611.0/75

- 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: -294.221+/-59.027 χ^2/NDF:56.6/21

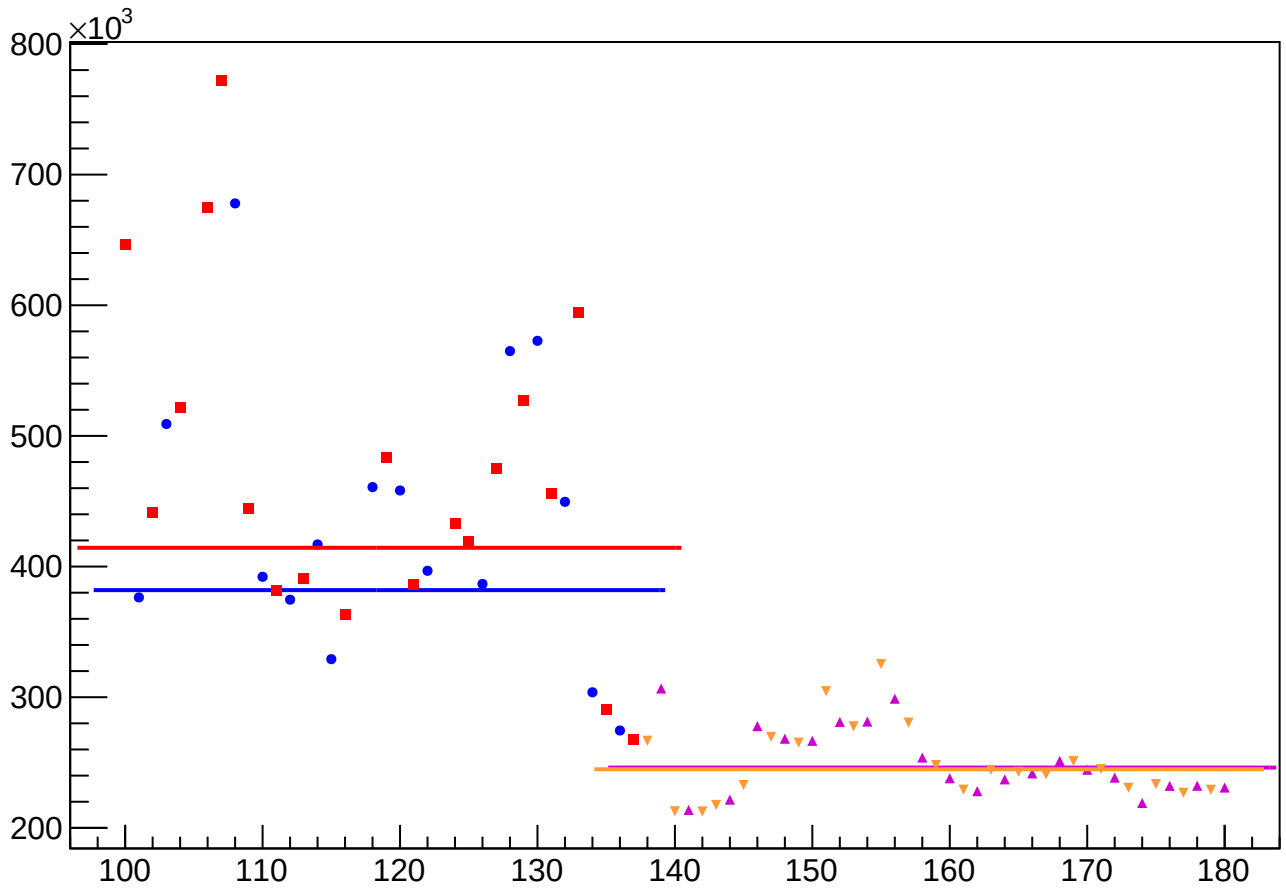
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -41.689+/-59.667 χ^2/NDF:25.1/20

+ sign -294.780+/-54.795 χ^2/NDF: 77.8/37

All: -184.588+/-39.081 χ^2/NDF: 126.9/77

- 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: 244830.299+/-41.739 χ^2/NDF:373477.4/21

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

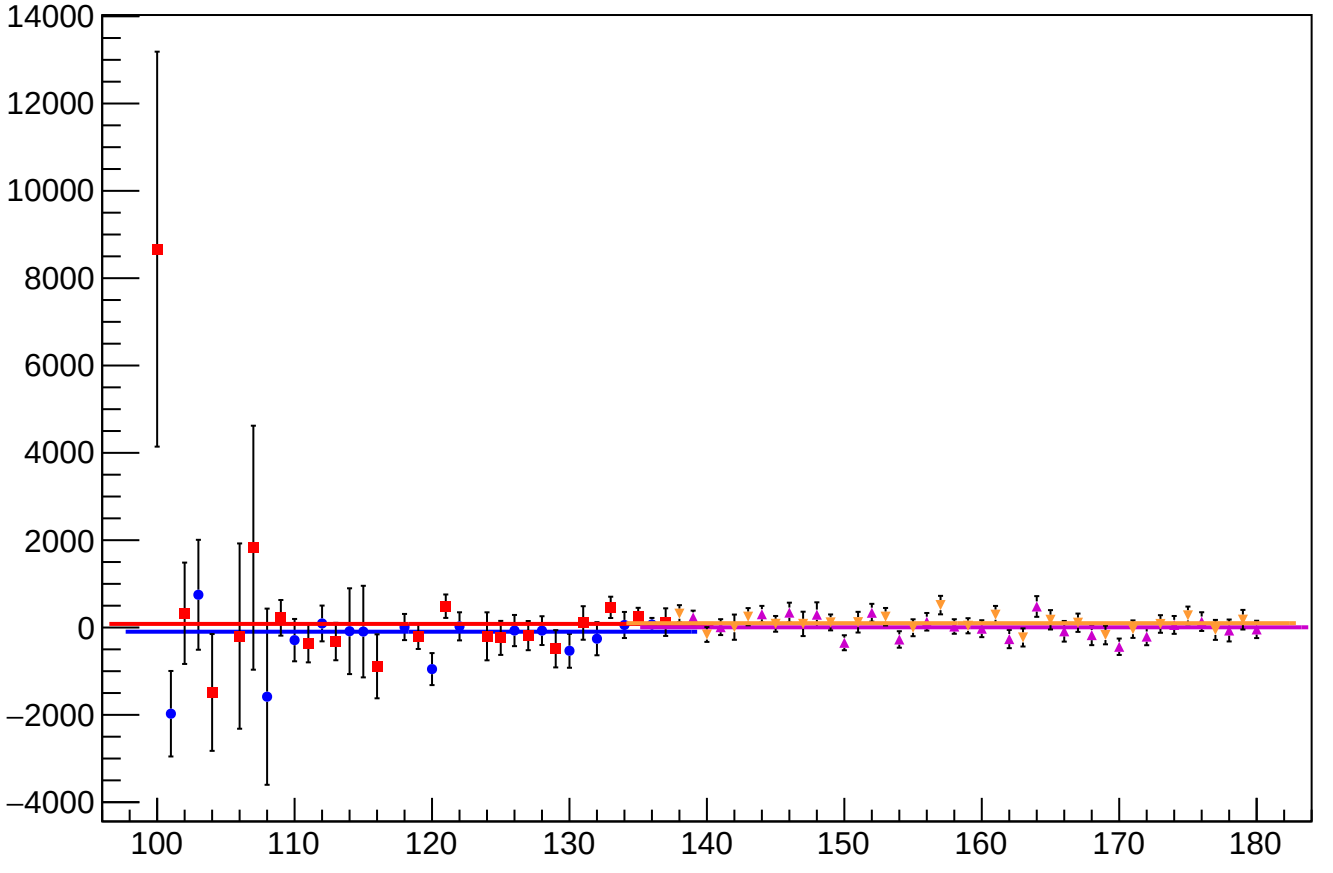
Left In: 246159.032+/-42.191 χ^2/NDF:340949.8/20

+ sign 263783.394+/-38.747 χ^2/NDF: 2701813.6/37

All: 265598.949+/-27.635 χ^2/NDF: 5822060.

- 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: 99.582+/-43.718 χ^2/NDF:16.0/21

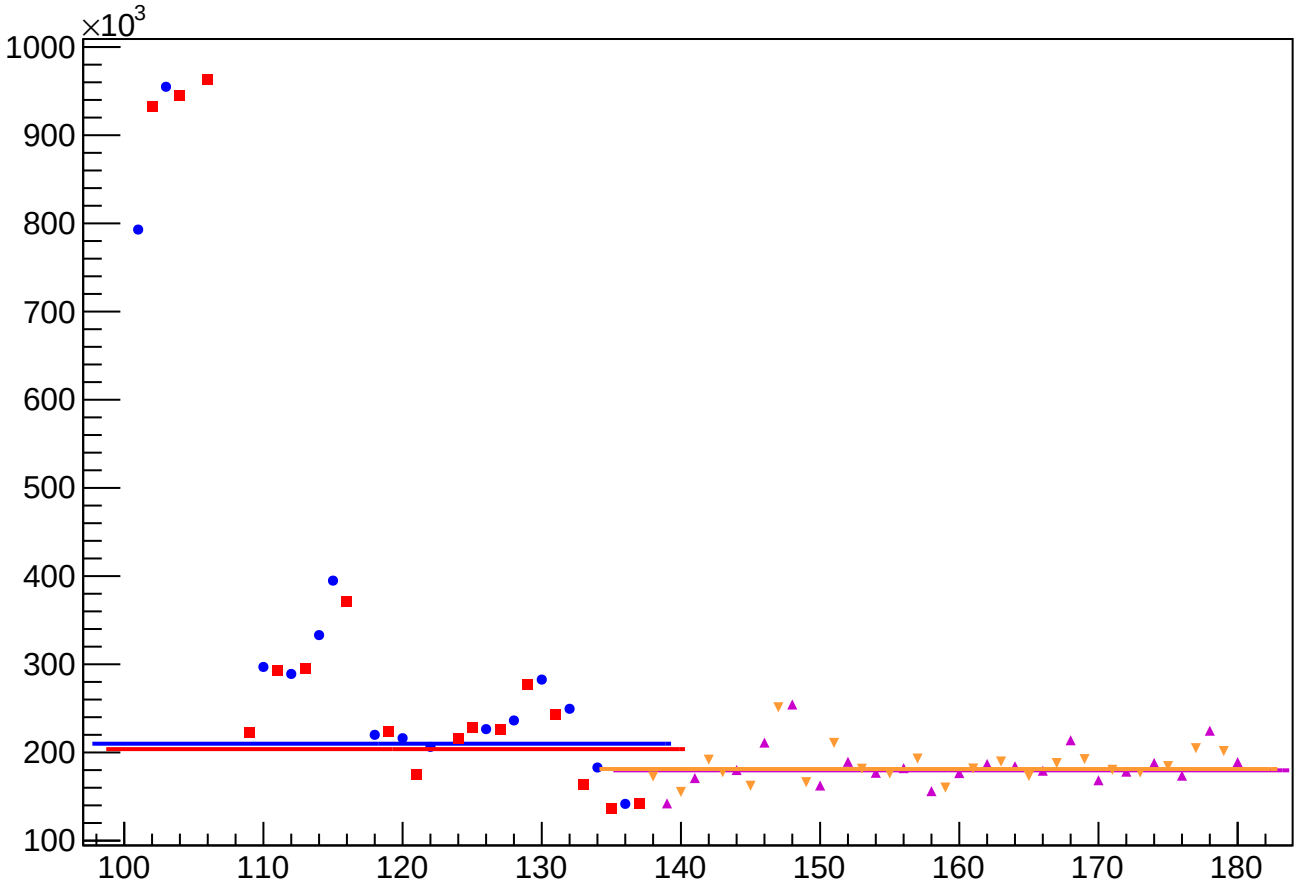
Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: 5.150+/-43.739 χ^2/NDF:31.2/20

+ sign 61.084+/-39.176 χ^2/NDF: 33.6/37

All: 40.864+/-27.677 χ^2/NDF: 85.1/77

- 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: 181229.517+/-30.913 χ^2/NDF:336547.1/21

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

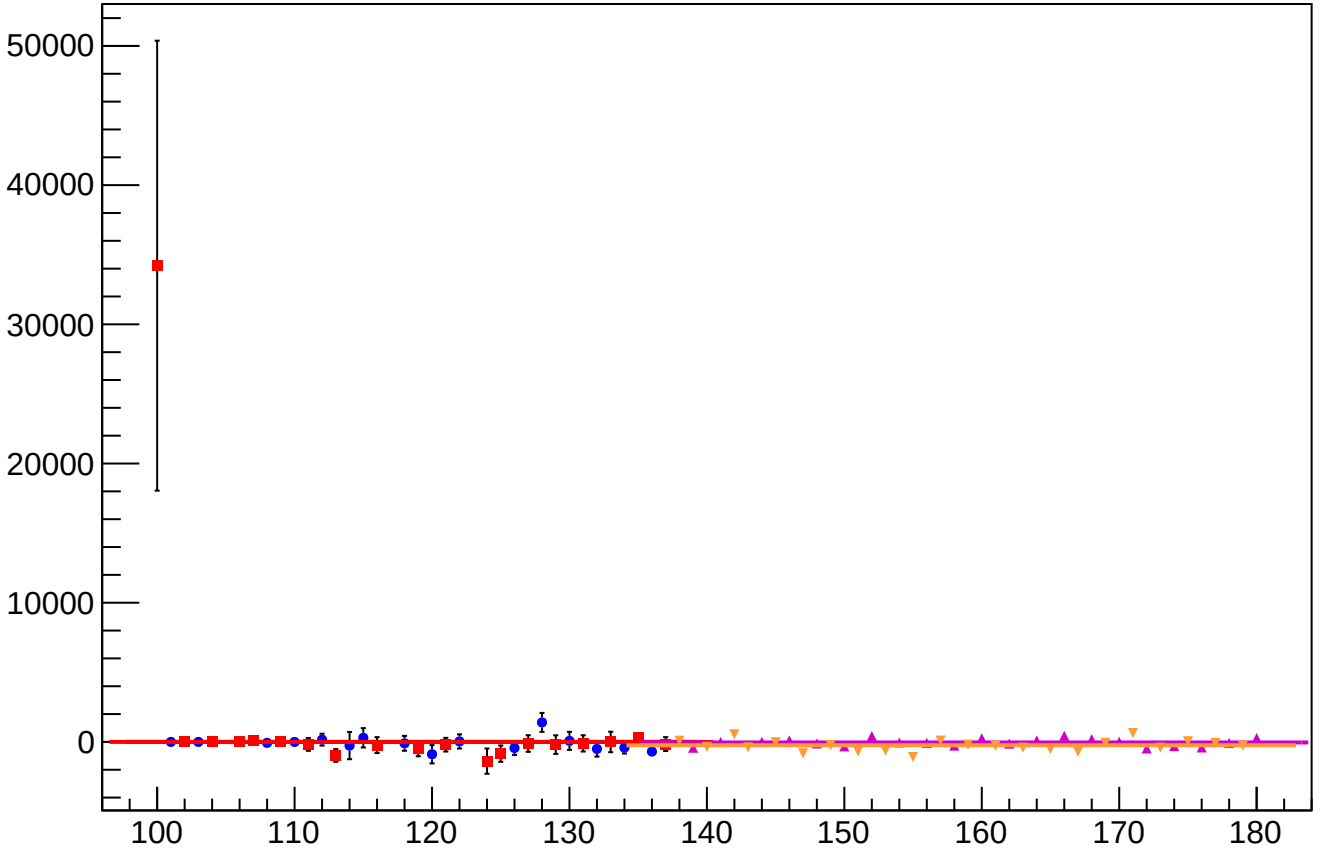
Left In: 179737.047+/-30.928 χ^2/NDF:492068.7/20

+ sign 186867.244+/-27.711 χ^2/NDF: 2465759.9/36

All: 185703.549+/-19.579 χ^2/NDF: 5152706.

- 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: -243.529+/-49.369 χ^2/NDF:56.6/21

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

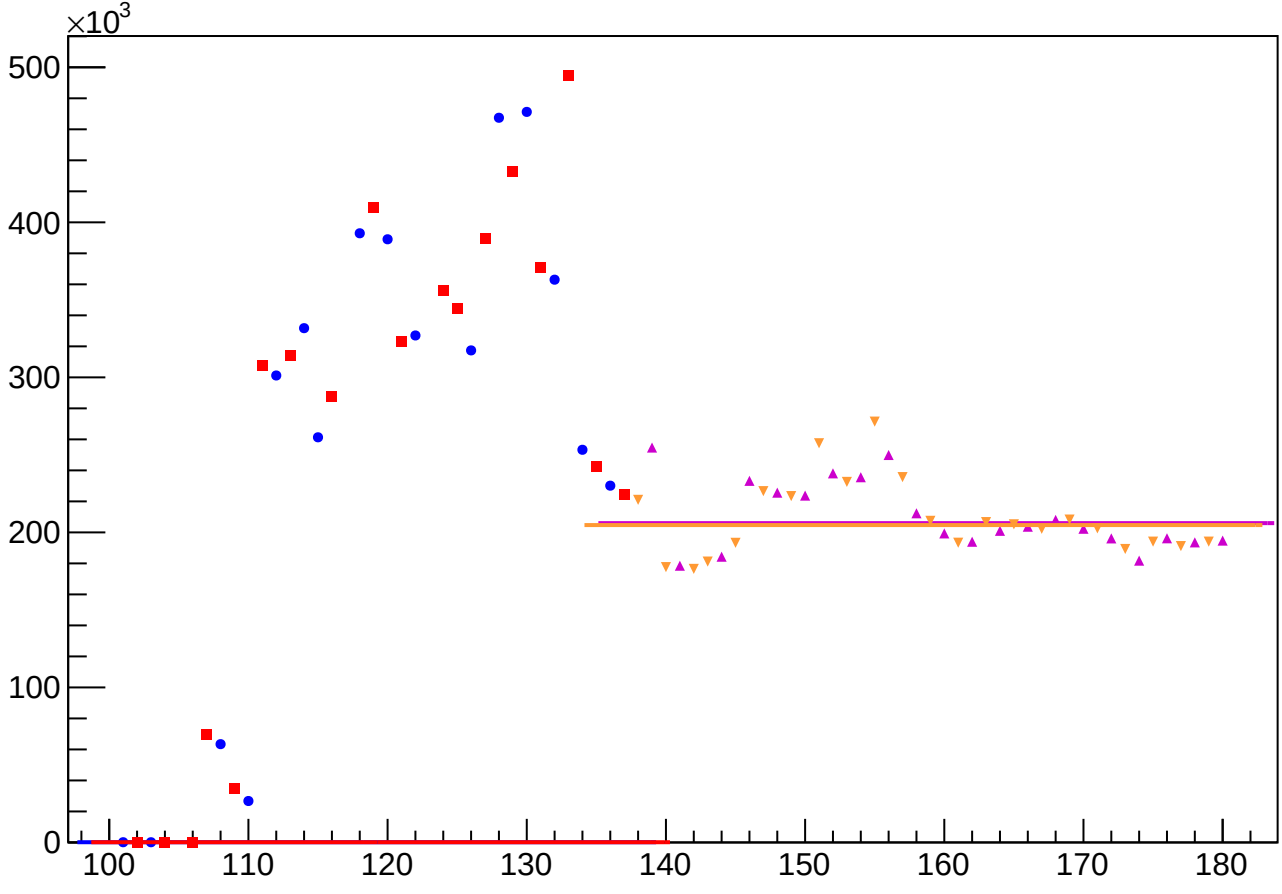
Left In: -38.830+/-49.931 χ^2/NDF:25.2/20

+ sign -0.038+/-0.172 χ^2/NDF: 99.0/37

All: -0.208+/-0.117 χ^2/NDF: 143.1/77

- 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: 204723.177+/-34.909 χ^2/NDF:386426.2/21

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

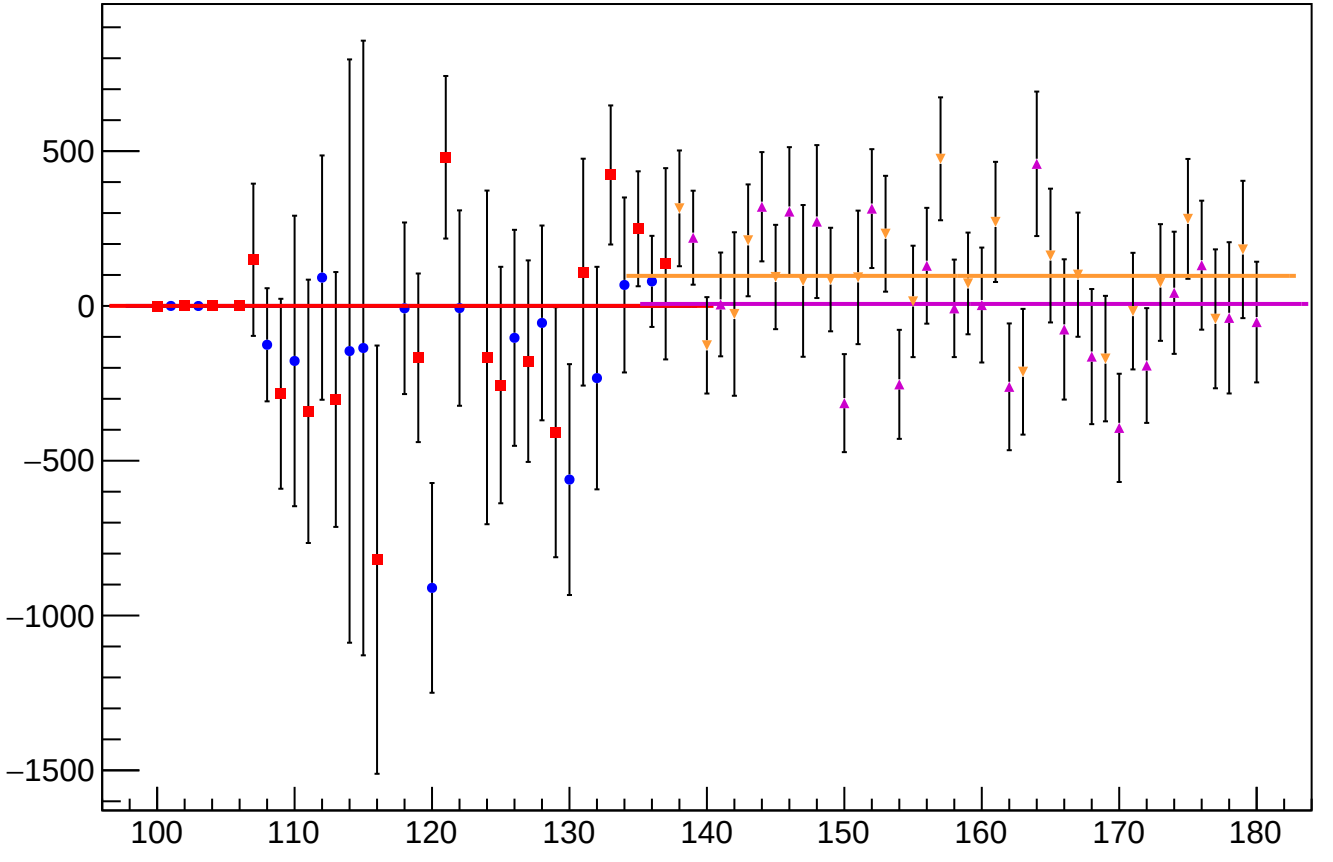
Left In: 205974.505+/-35.307 χ^2/NDF:347328.9/20

+ sign 151.583+/-0.122 χ^2/NDF: 46029930.0/37

All: 151.536+/-0.083 χ^2/NDF: 91649914.8/76

- 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: 97.096+/-41.151 χ^2/NDF:15.2/21

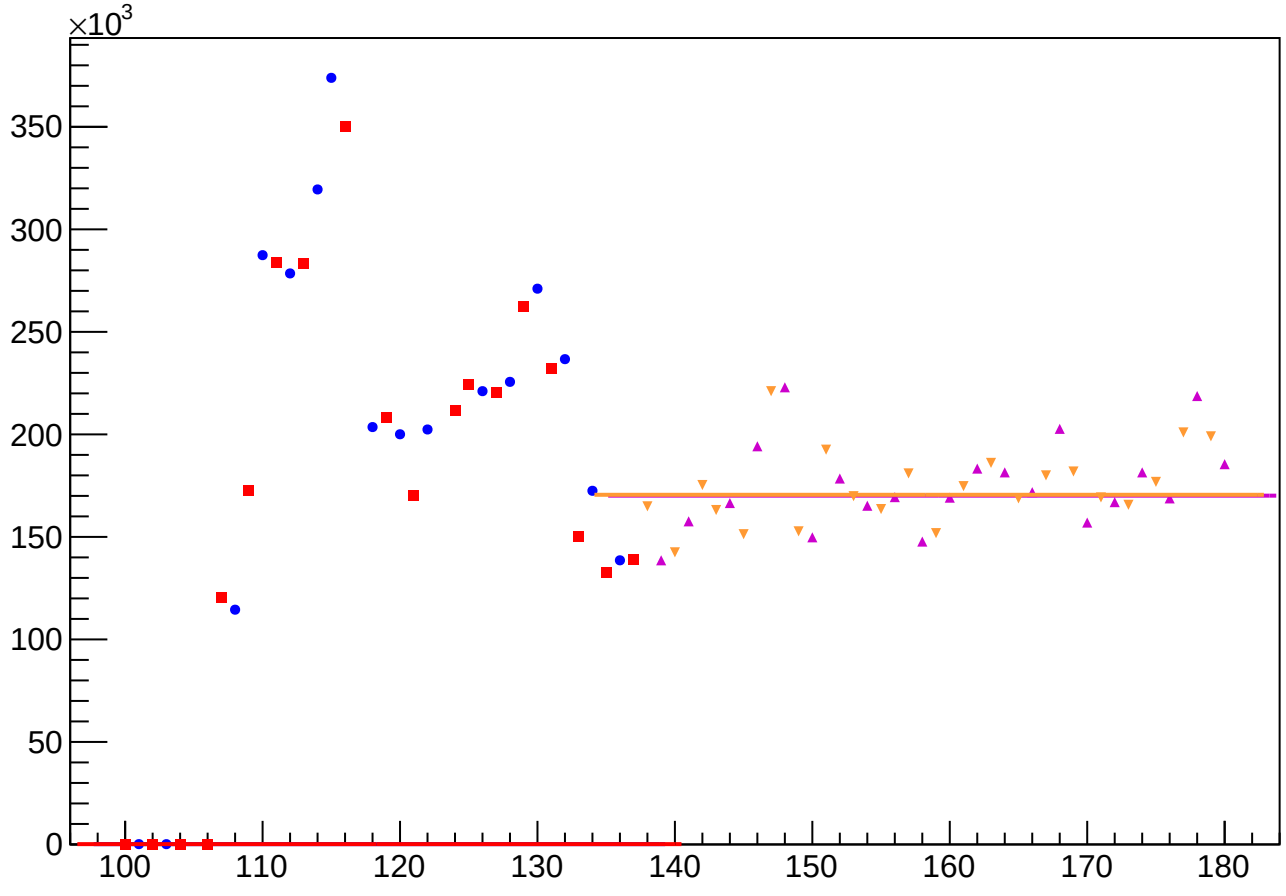
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 6.401+/-41.372 χ^2/NDF:30.8/20

+ sign -0.066+/-0.177 χ^2/NDF: 32.0/37

All: 0.036+/-0.121 χ^2/NDF: 78.7/77

- 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: 170541.827+/-29.098 χ^2/NDF:356792.7/21

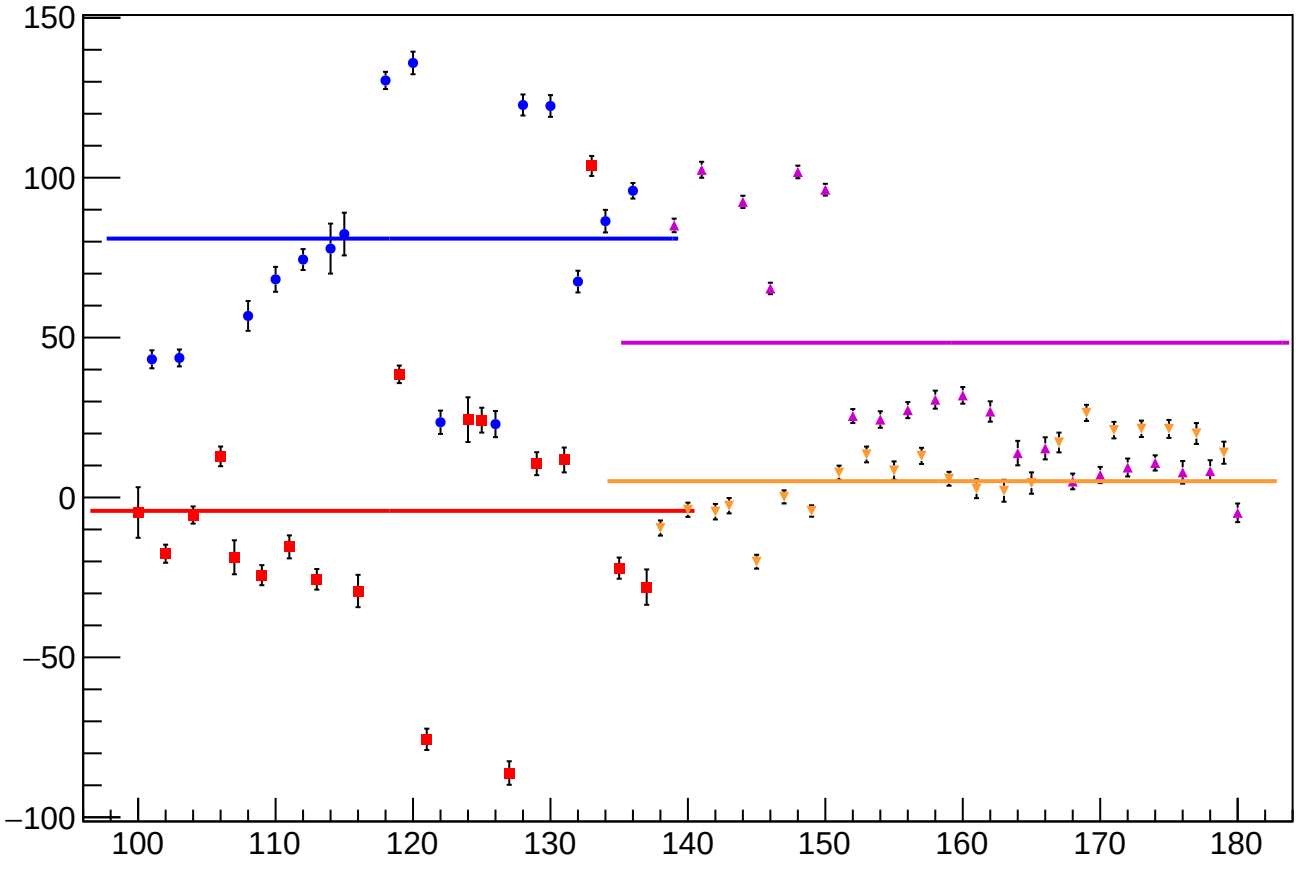
Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 170116.268+/-29.255 χ^2/NDF:463374.5/20

+ sign 156.621+/-0.125 χ^2/NDF: 46550205.2/37

All: 157.837+/-0.086 χ^2/NDF: 92096403.0/77

- sign 158.910+/-0.118 χ^2/NDF: 45546020.6/39



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 5.104+/-0.534 χ^2/NDF:500.1/21

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

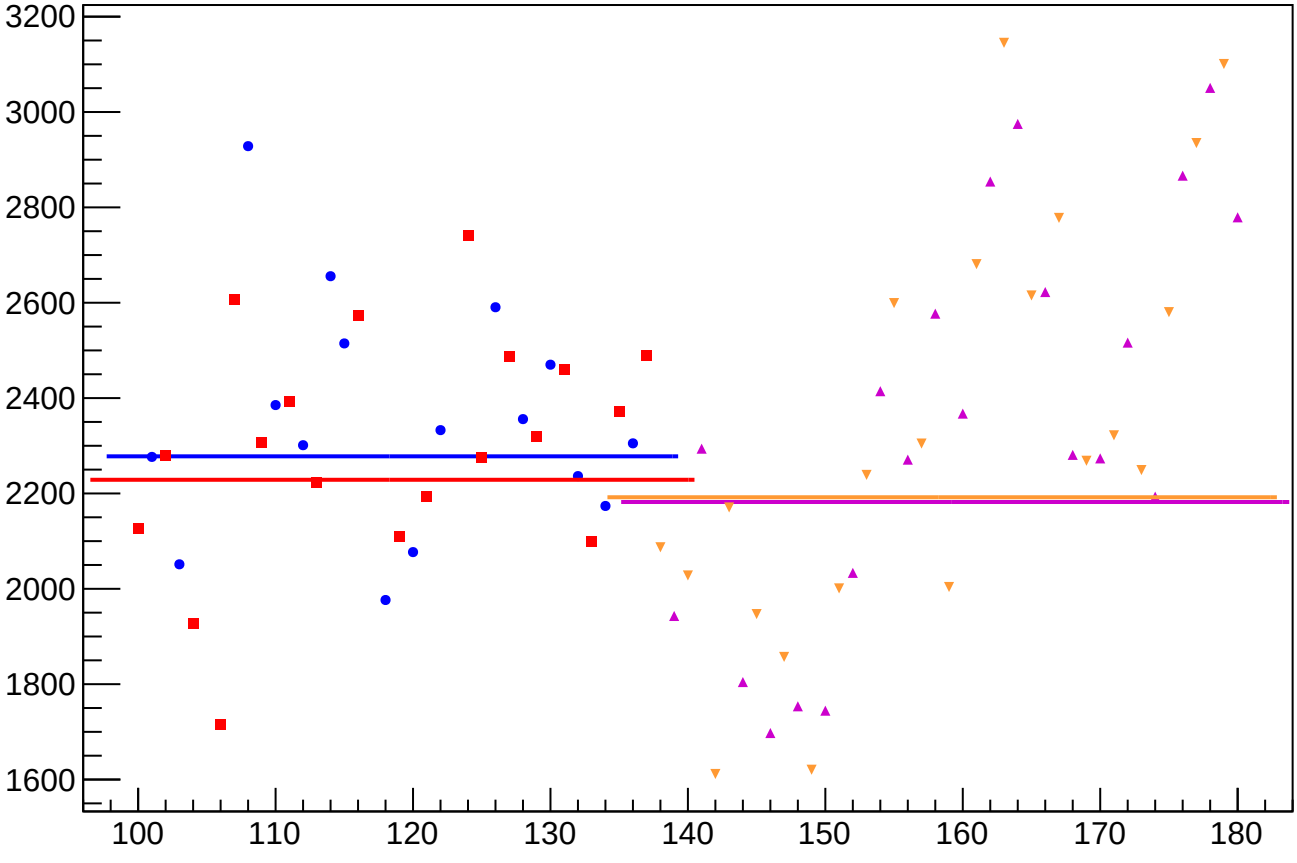
Left In: 48.395+/-0.537 χ^2/NDF:4976.0/20

+ sign 26.523+/-0.452 χ^2/NDF: 8009.0/37

All: 29.584+/-0.319 χ^2/NDF: 18671.3/77

- sign 32.604+/-0.449 χ^2/NDF: 10571.5/39

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2192.038+/-0.378 χ^2/NDF:1090117.3/21

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

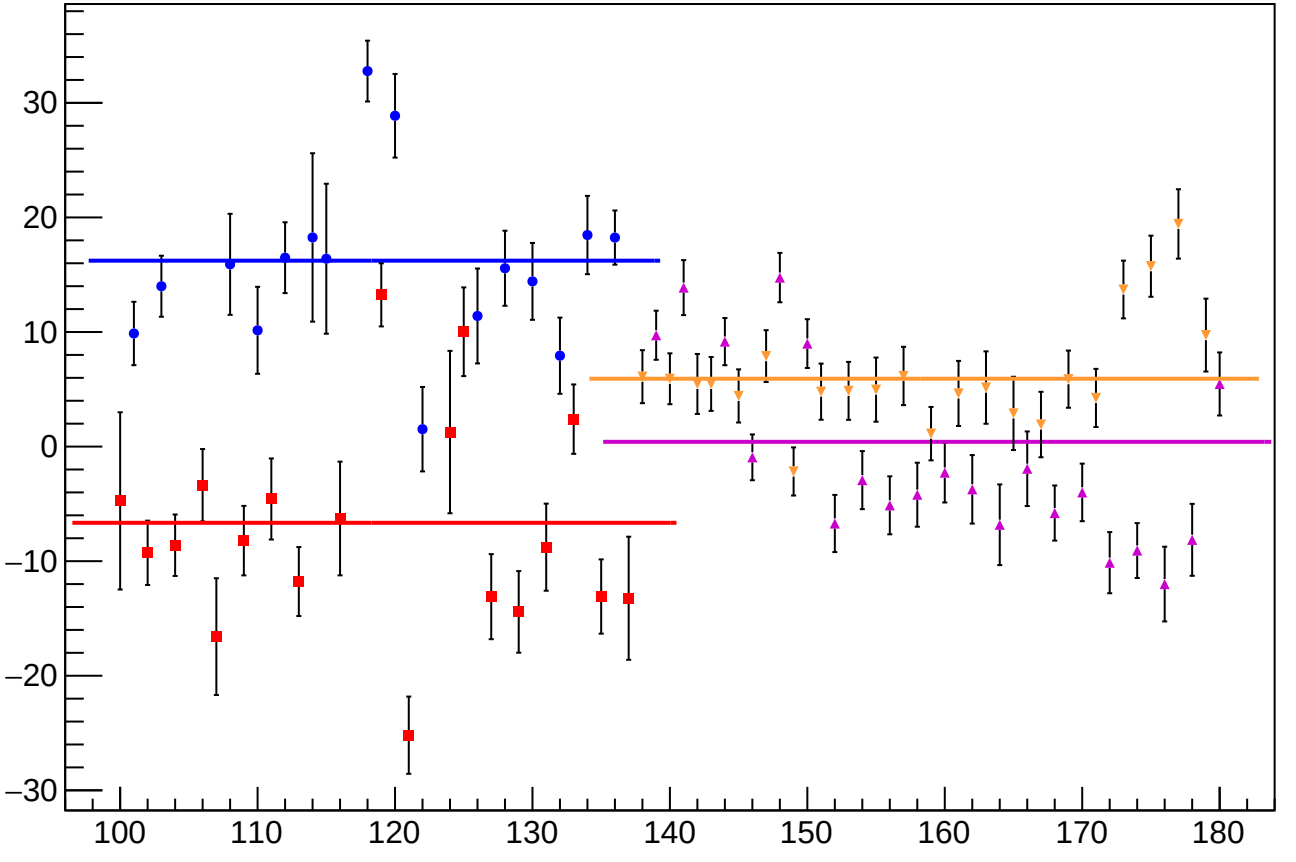
Left In: 2182.076+/-0.380 χ^2/NDF:1067833.5/20

+ sign 2216.274+/-0.320 χ^2/NDF: 1220472.5/37

All: 2206.107+/-0.225 χ^2/NDF: 2445968.5/77

- 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: 5.923+/-0.544 χ^2/NDF:68.9/21

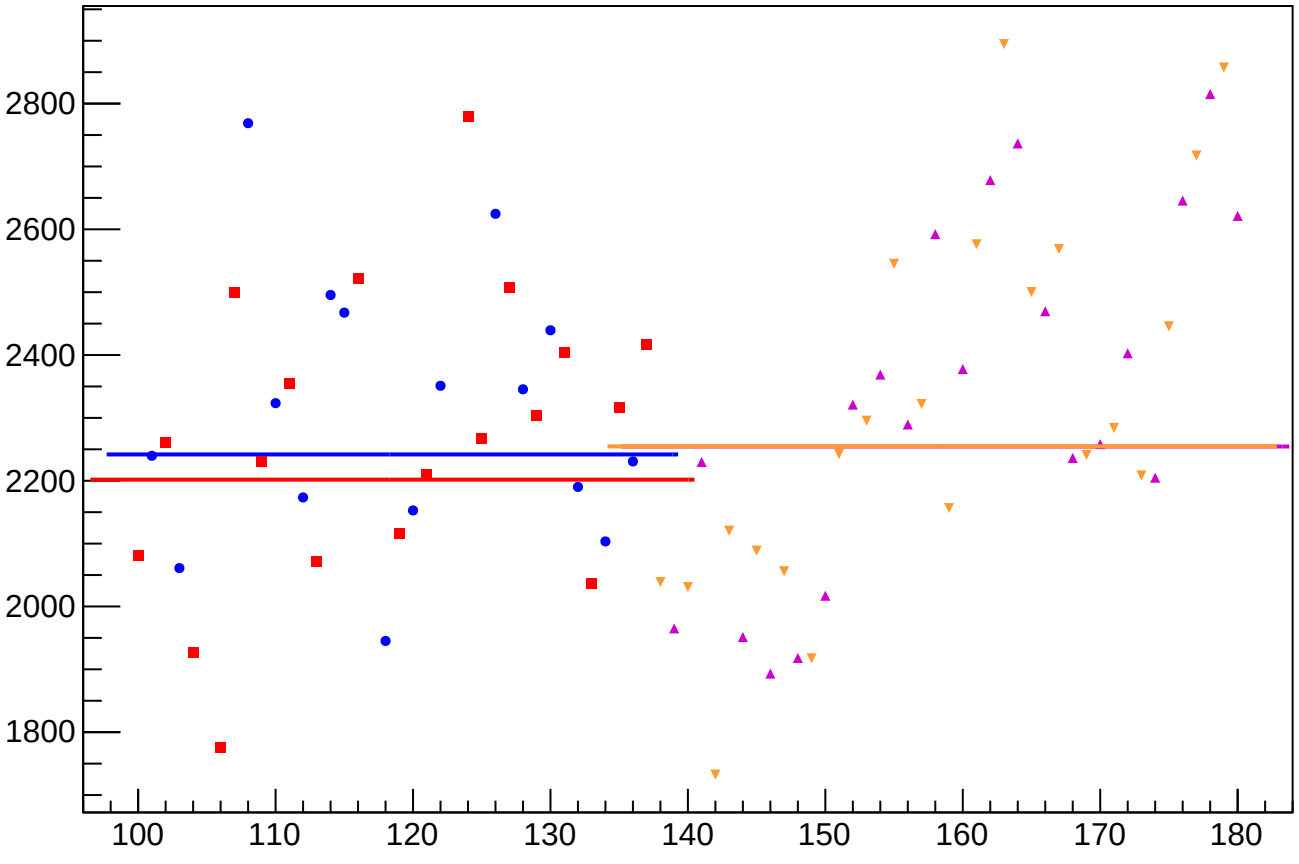
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 0.417+/-0.549 χ^2/NDF:220.7/20

+ sign 8.979+/-0.456 χ^2/NDF: 259.8/37

All: 3.561+/-0.322 χ^2/NDF: 948.3/77

- 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: 2254.633+/-0.385 χ^2/NDF:501770.1/21

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

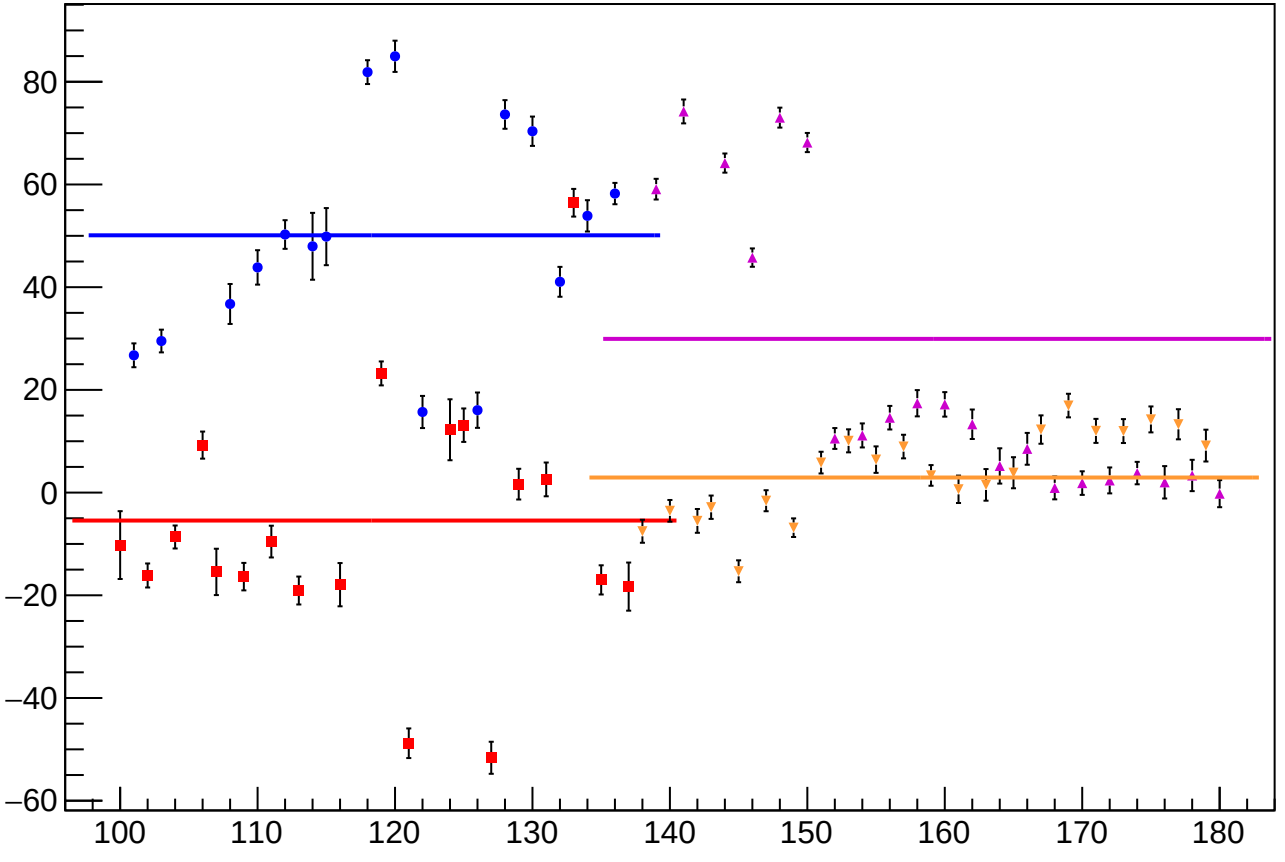
Left In: 2254.488+/-0.388 χ^2/NDF:480259.5/20

+ sign 2250.842+/-0.323 χ^2/NDF: 604358.3/37

All: 2244.330+/-0.228 χ^2/NDF: 1221132.7/77

- 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: 2.935+/-0.500 χ^2/NDF:295.4/21

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

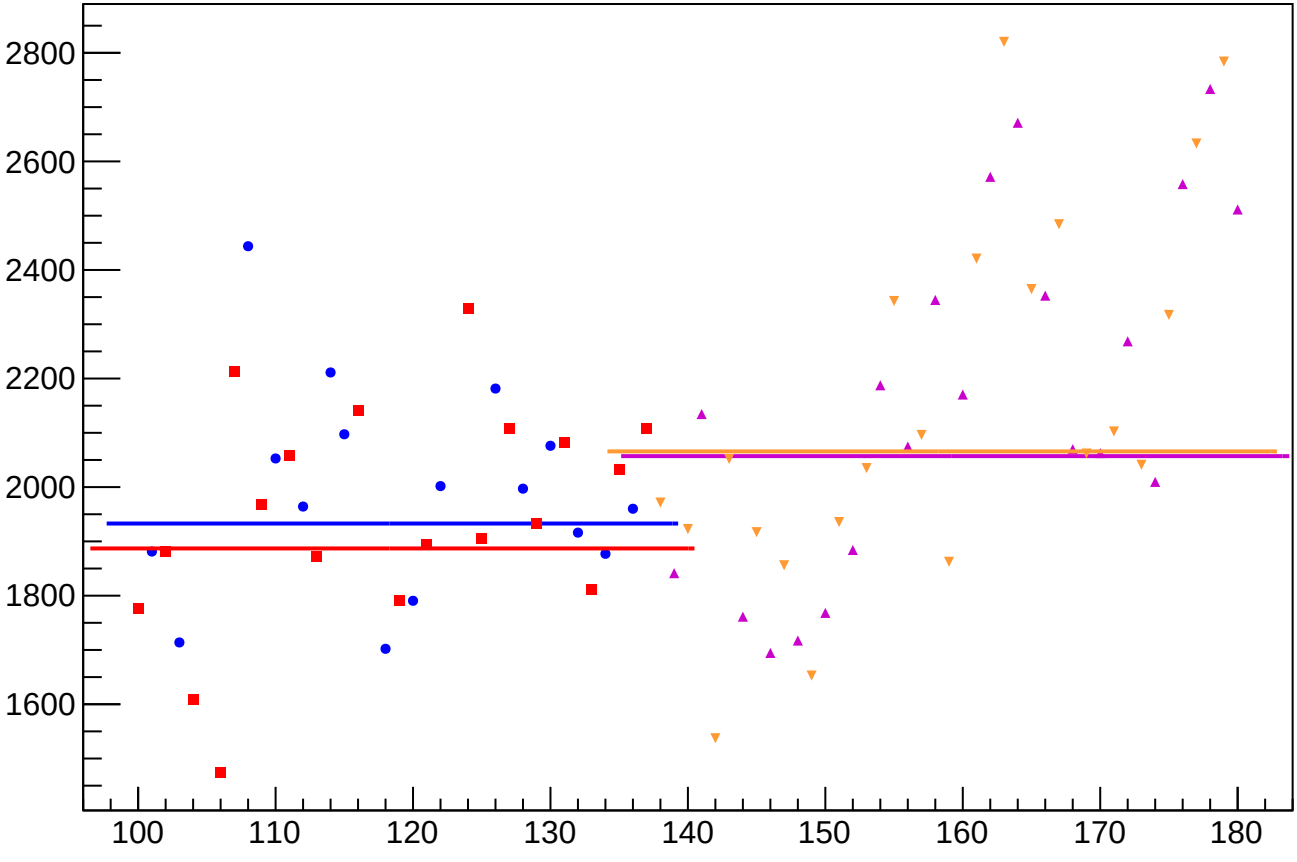
Left In: 29.933+/-0.503 χ^2/NDF:3151.4/20

\+ sign 18.233+/-0.411 χ^2/NDF: 4066.5/37

All: 17.986+/-0.289 χ^2/NDF: 10231.9/77

\- 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: 2065.761+/-0.354 χ^2/NDF:726541.8/21

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

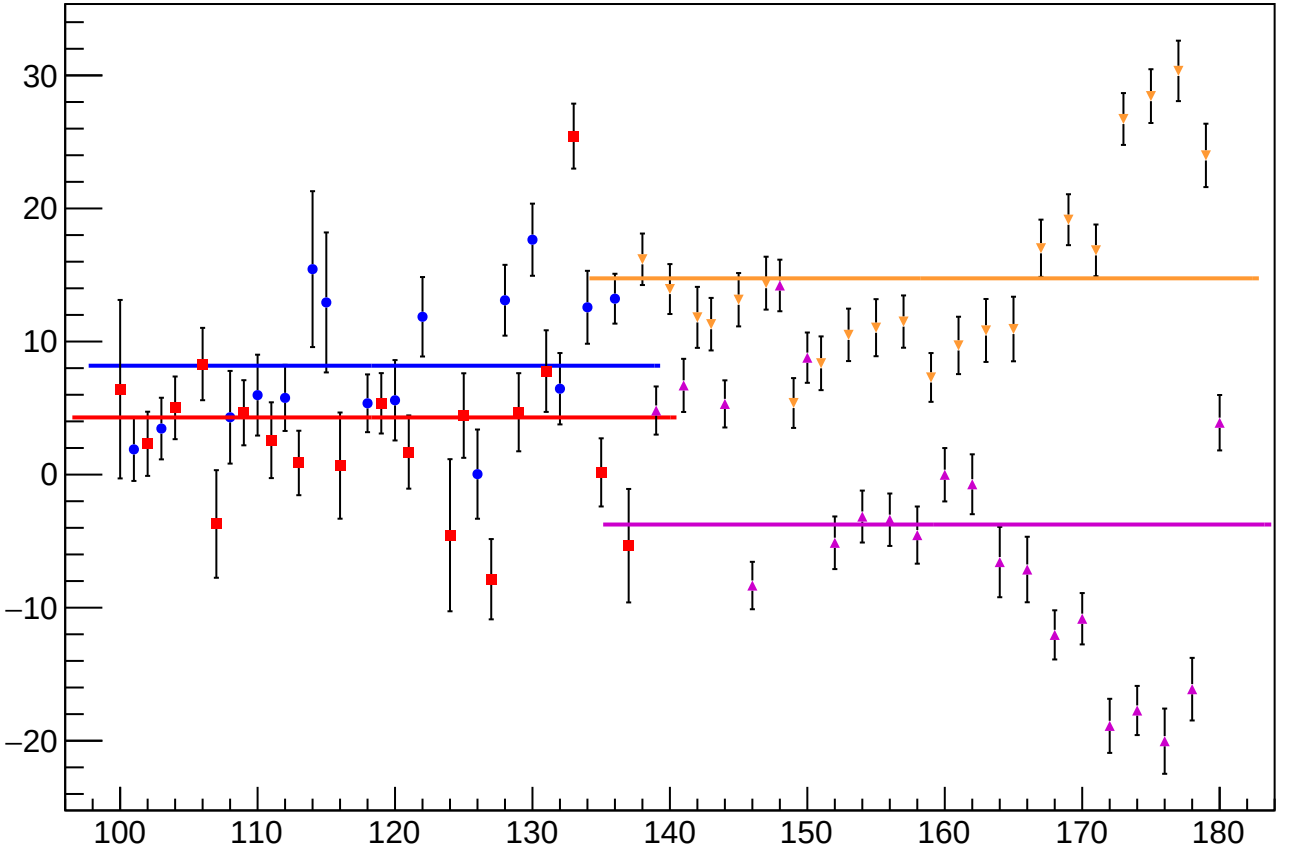
Left In: 2057.047+/-0.356 χ^2/NDF:686860.0/20

+ sign 2022.672+/-0.291 χ^2/NDF: 878250.4/37

All: 2010.454+/-0.205 χ^2/NDF: 1796990.1/77

- 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: 14.749+/-0.436 χ^2/NDF:232.1/21

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

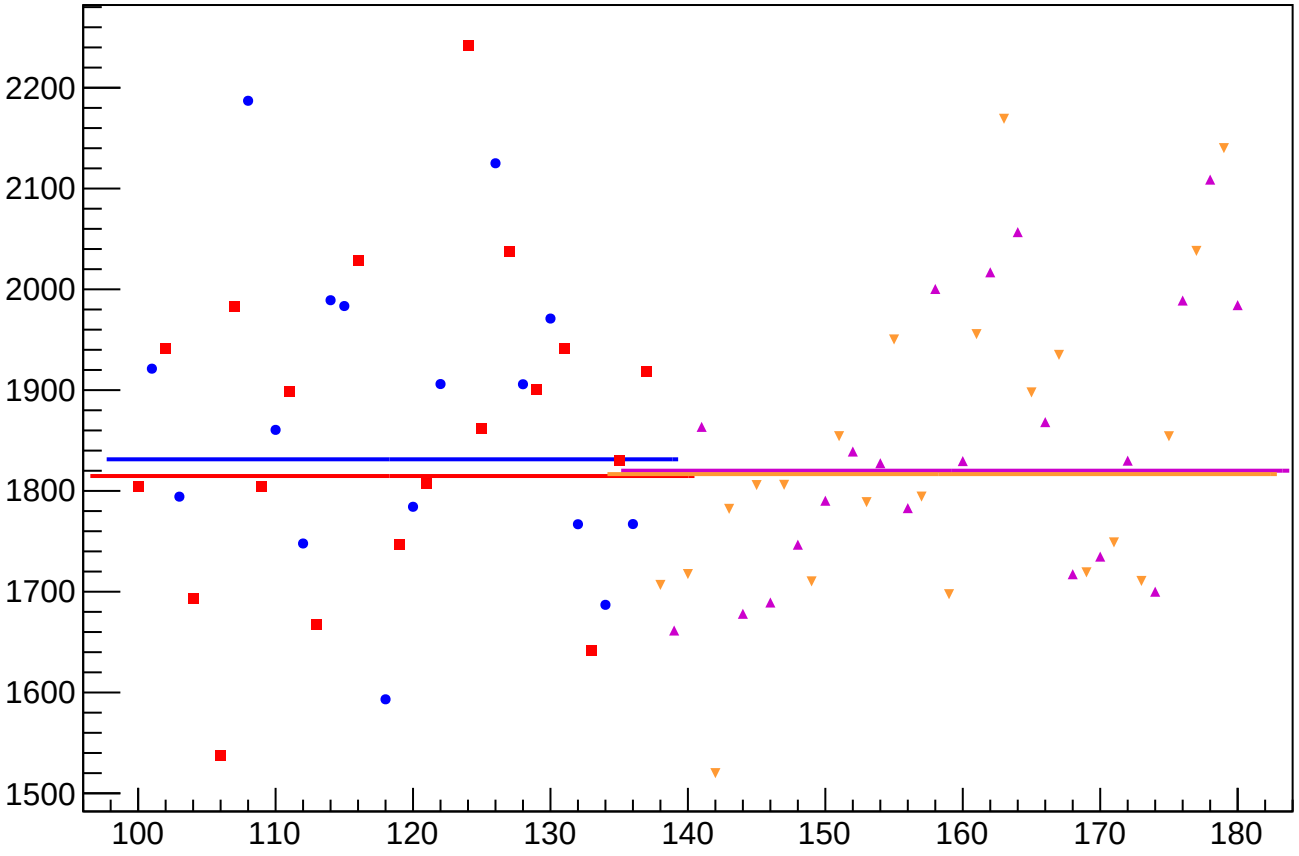
Left In: -3.751+/-0.440 χ^2/NDF:453.2/20

+ sign 12.850+/-0.368 χ^2/NDF: 349.6/37

All: 5.767+/-0.260 χ^2/NDF: 1760.2/77

- 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: 1816.678+/-0.308 χ^2/NDF:201438.6/21

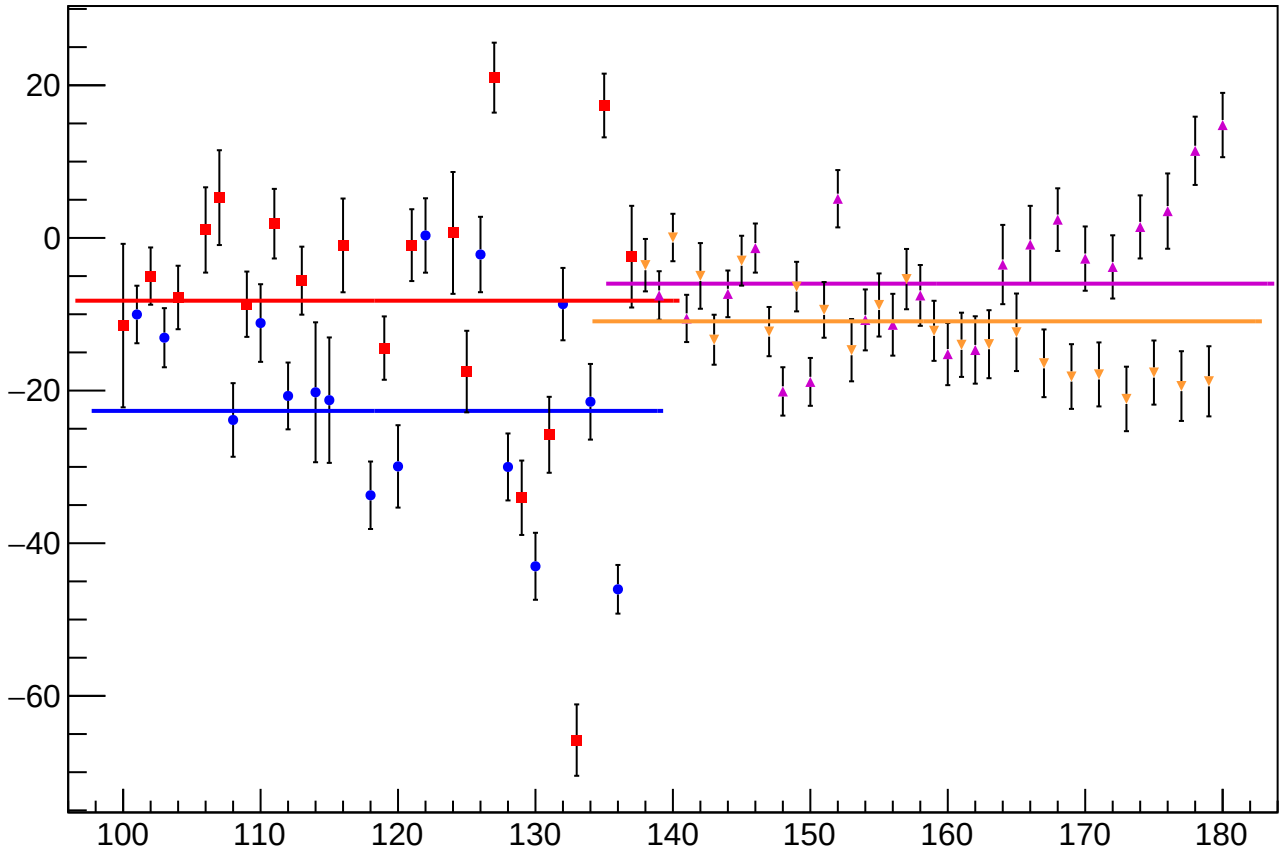
Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1820.058+/-0.311 χ^2/NDF:161101.8/20

+ sign 1820.924+/-0.260 χ^2/NDF: 289013.6/37

All: 1819.685+/-0.184 χ^2/NDF: 540987.1/77

- sign 1818.449+/-0.260 χ^2/NDF: 251928.2/39



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.926+/-0.828 χ^2/NDF:53.9/21

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

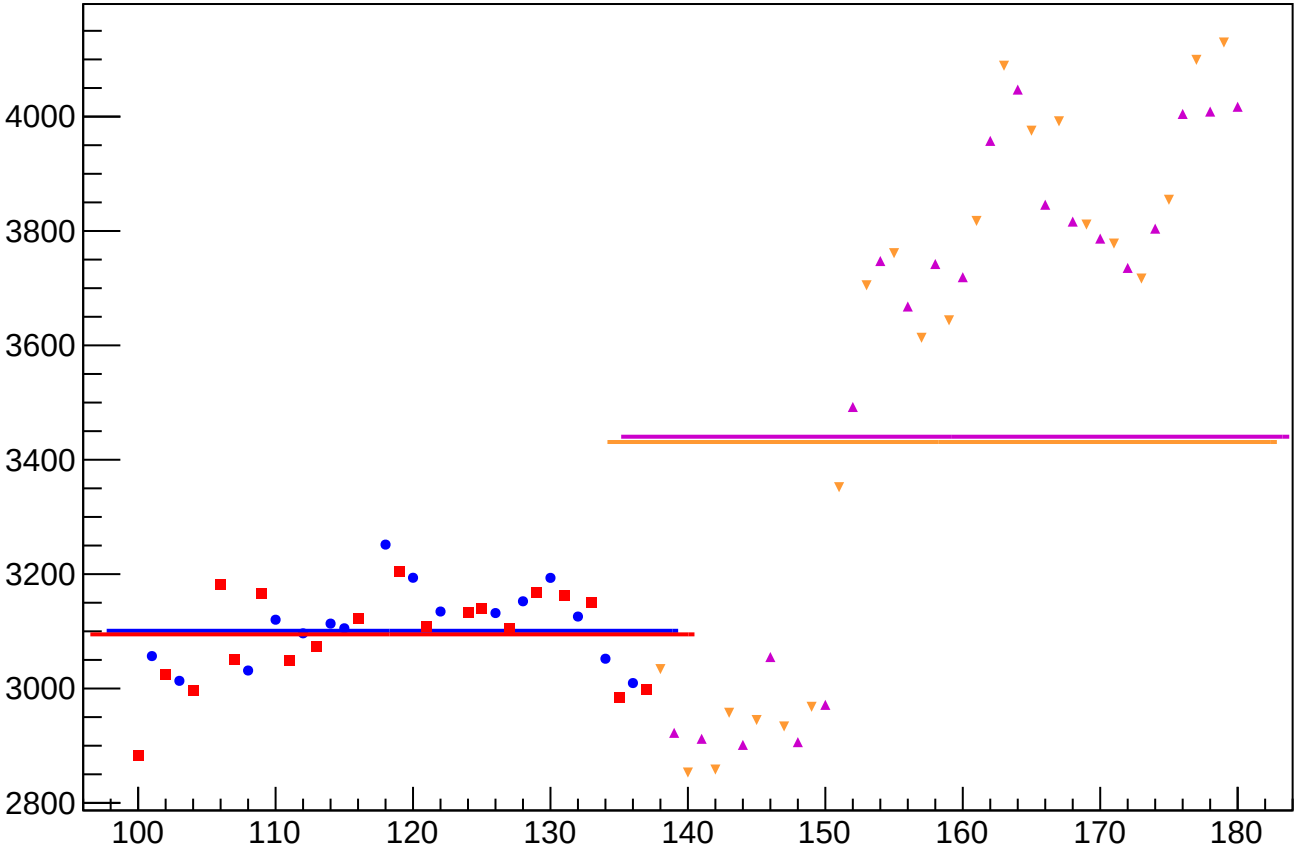
Left In: -5.992+/-0.835 χ^2/NDF:115.3/20

+ sign -14.922+/-0.672 χ^2/NDF: 279.6/37

All: -10.847+/-0.475 χ^2/NDF: 765.6/77

- 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: 3431.041+/-0.585 χ^2/NDF:602203.6/21

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

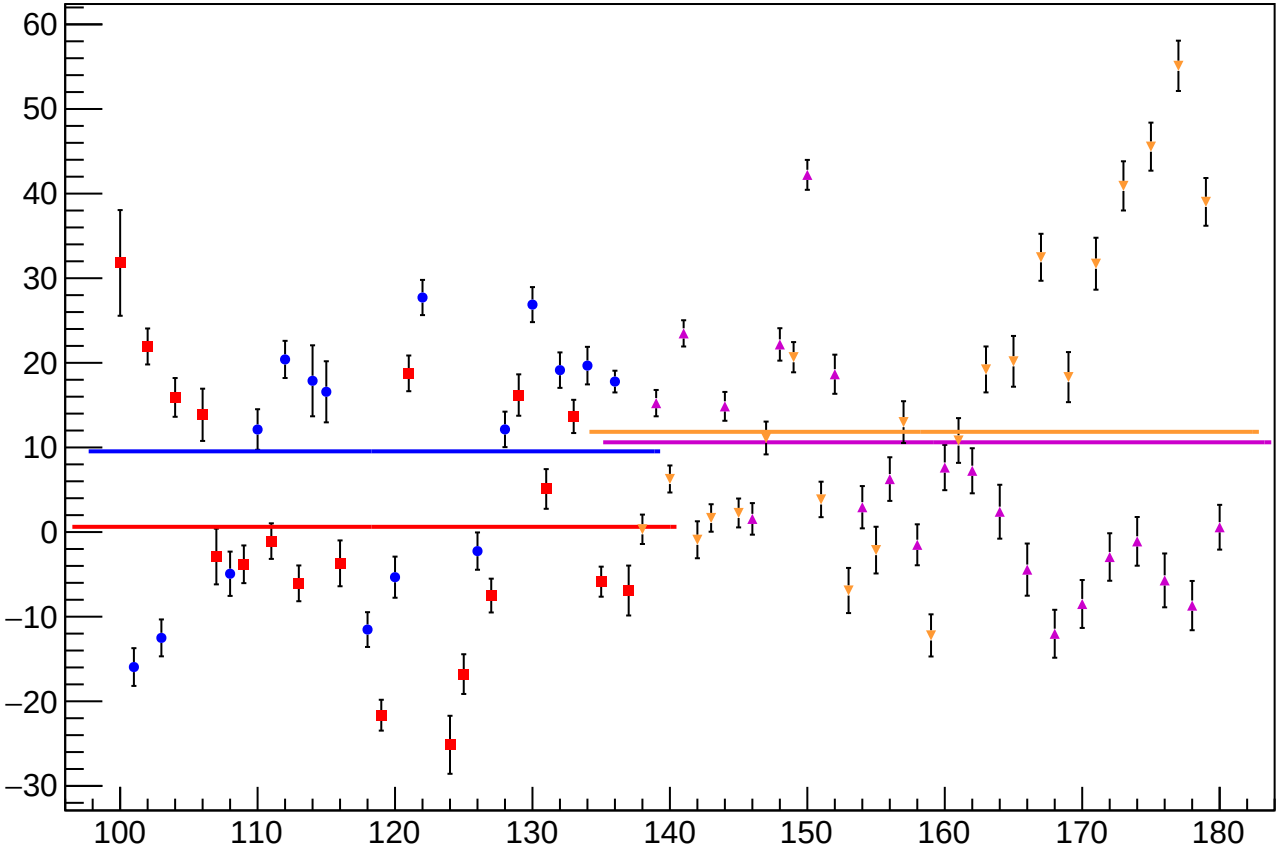
Left In: 3440.293+/-0.591 χ^2/NDF:562602.9/20

+ sign 3318.643+/-0.475 χ^2/NDF: 718411.5/37

All: 3318.332+/-0.336 χ^2/NDF: 1410751.0/77

- 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: 11.847+/-0.483 χ^2/NDF:1031.1/21

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

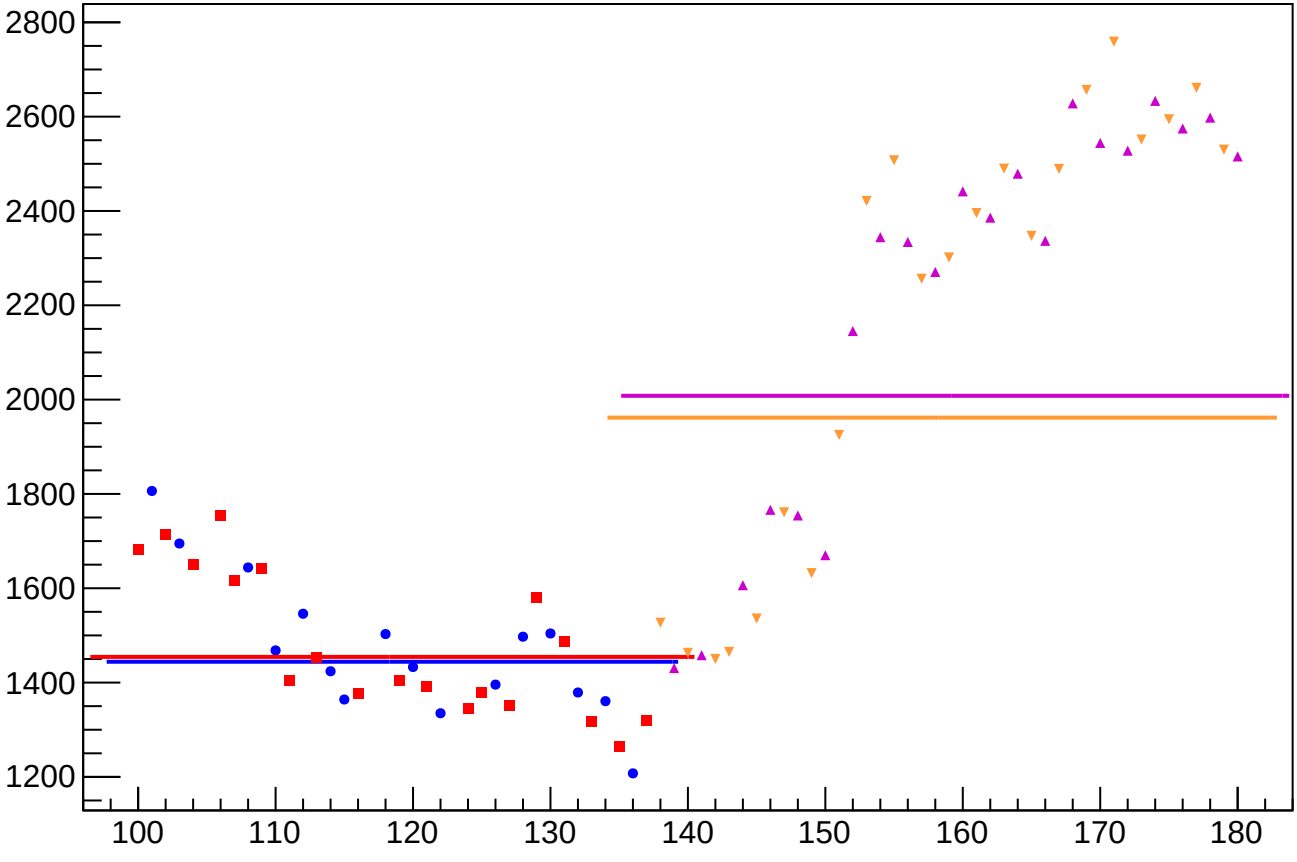
Left In: 10.609+/-0.496 χ^2/NDF:780.2/20

+ sign 10.824+/-0.361 χ^2/NDF: 1739.9/37

All: 8.422+/-0.256 χ^2/NDF: 3463.2/77

- 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: 1961.820+/-0.342 χ^2/NDF:1888161.2/21

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

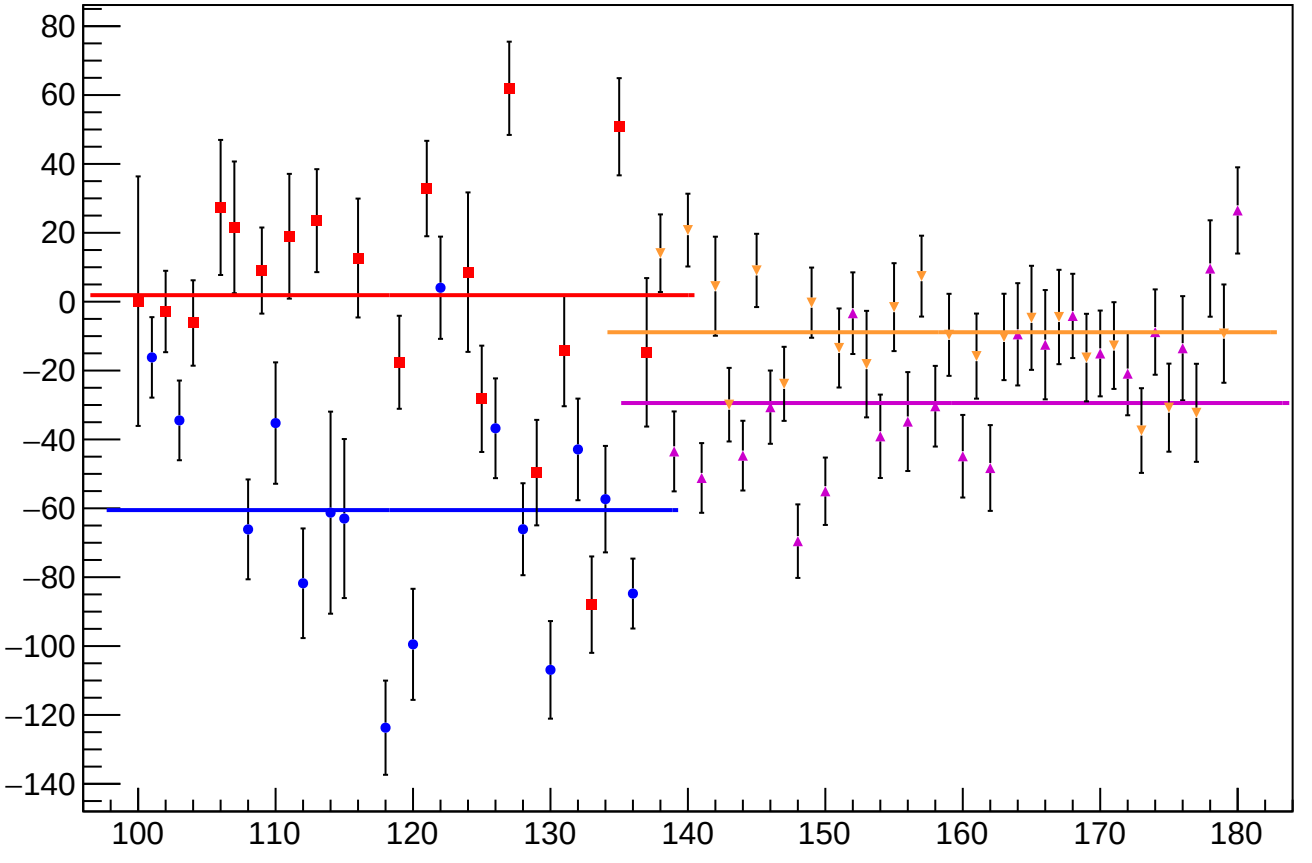
Left In: 2008.095+/-0.351 χ^2/NDF:1586970.8/20

+ sign 1732.178+/-0.255 χ^2/NDF: 3085848.7/37

All: 1741.814+/-0.181 χ^2/NDF: 5971788.3/77

- 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: -8.871+/-2.604 χ^2/NDF:37.0/21

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

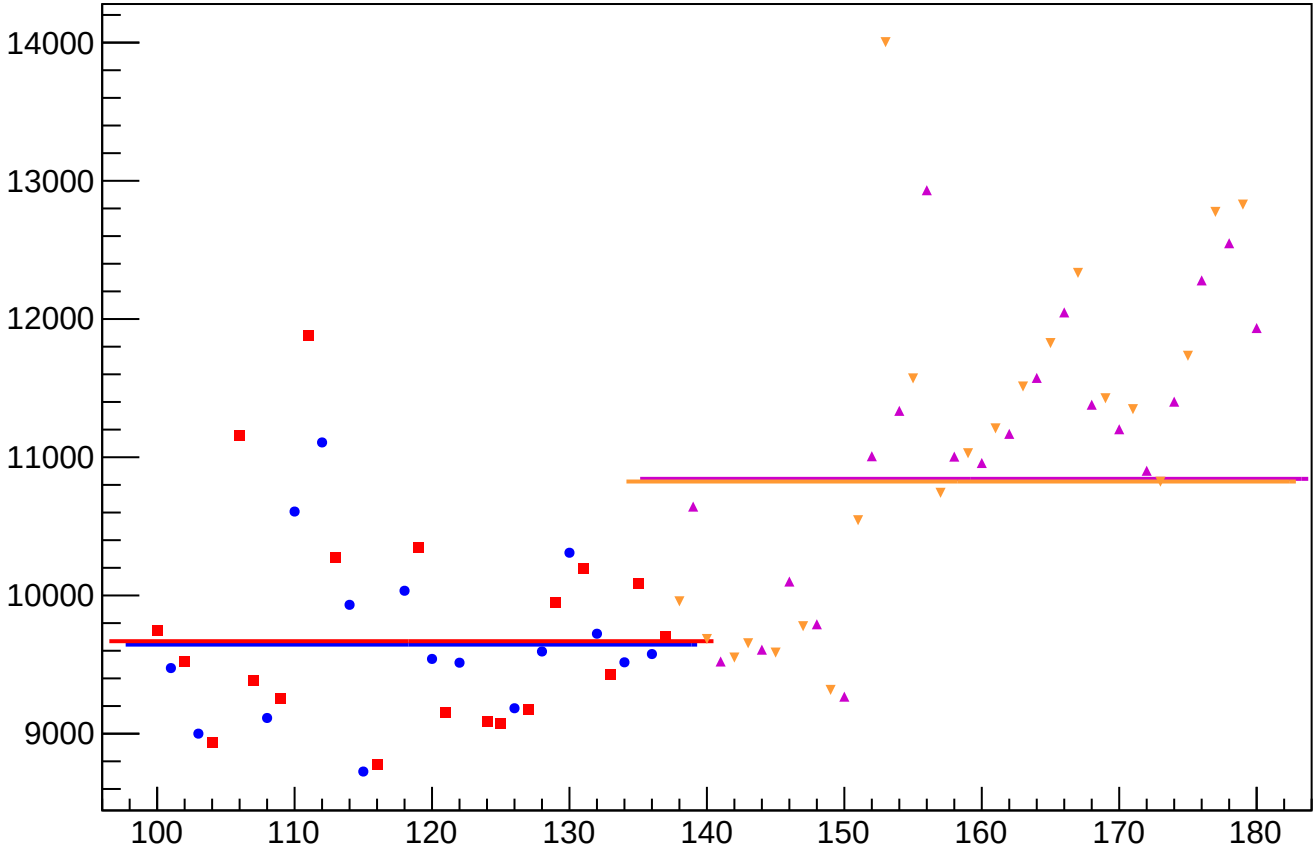
Left In: -29.426+/-2.623 χ^2/NDF:79.6/20

+ sign -26.639+/-2.109 χ^2/NDF: 262.6/37

All: -22.485+/-1.491 χ^2/NDF: 504.3/77

- 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: 10824.420+/-1.842 χ^2/NDF:393787.6/21

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

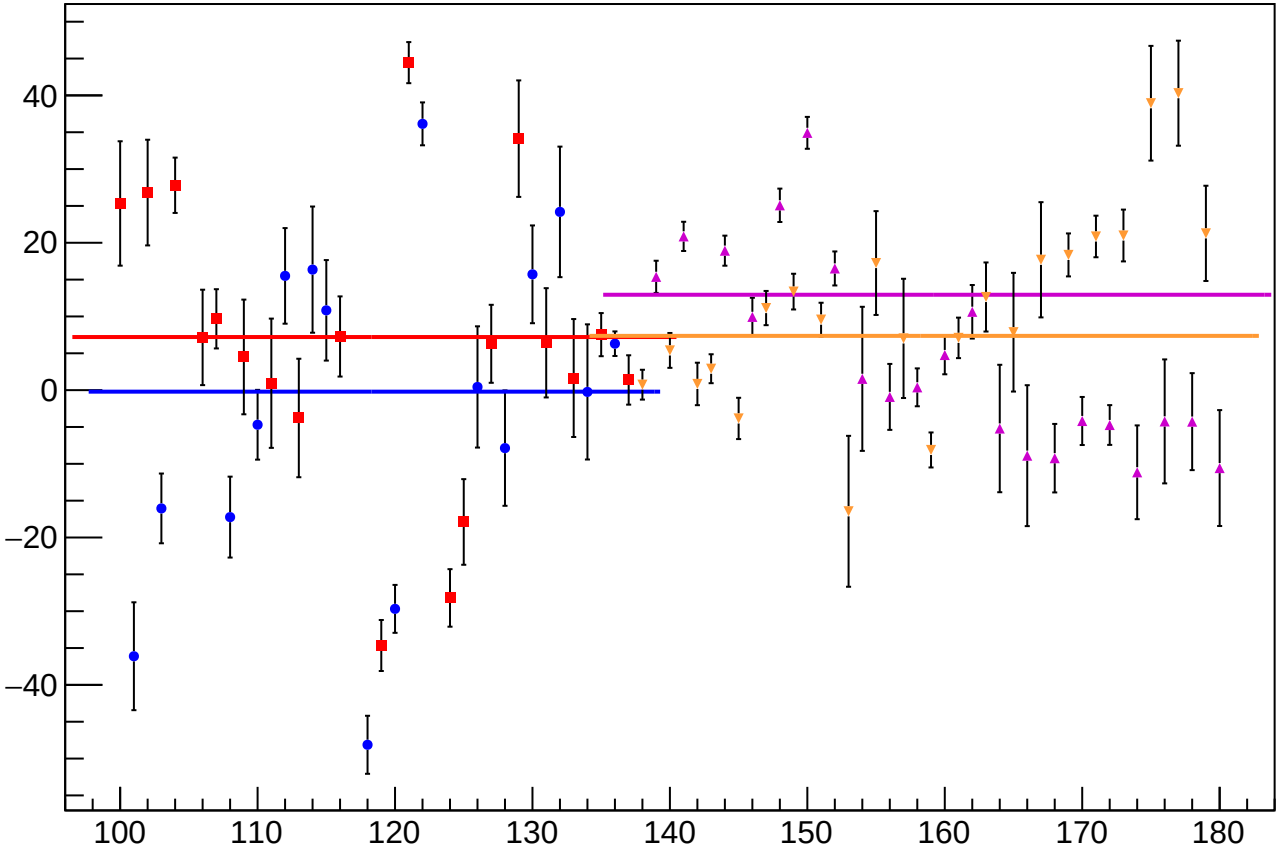
Left In: 10843.708+/-1.855 χ^2/NDF:282295.4/20

+ sign 10418.448+/-1.492 χ^2/NDF: 579139.9/37

All: 10423.098+/-1.054 χ^2/NDF: 1083312.4/7

- 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: 7.365+/-0.660 χ^2/NDF:194.8/21

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

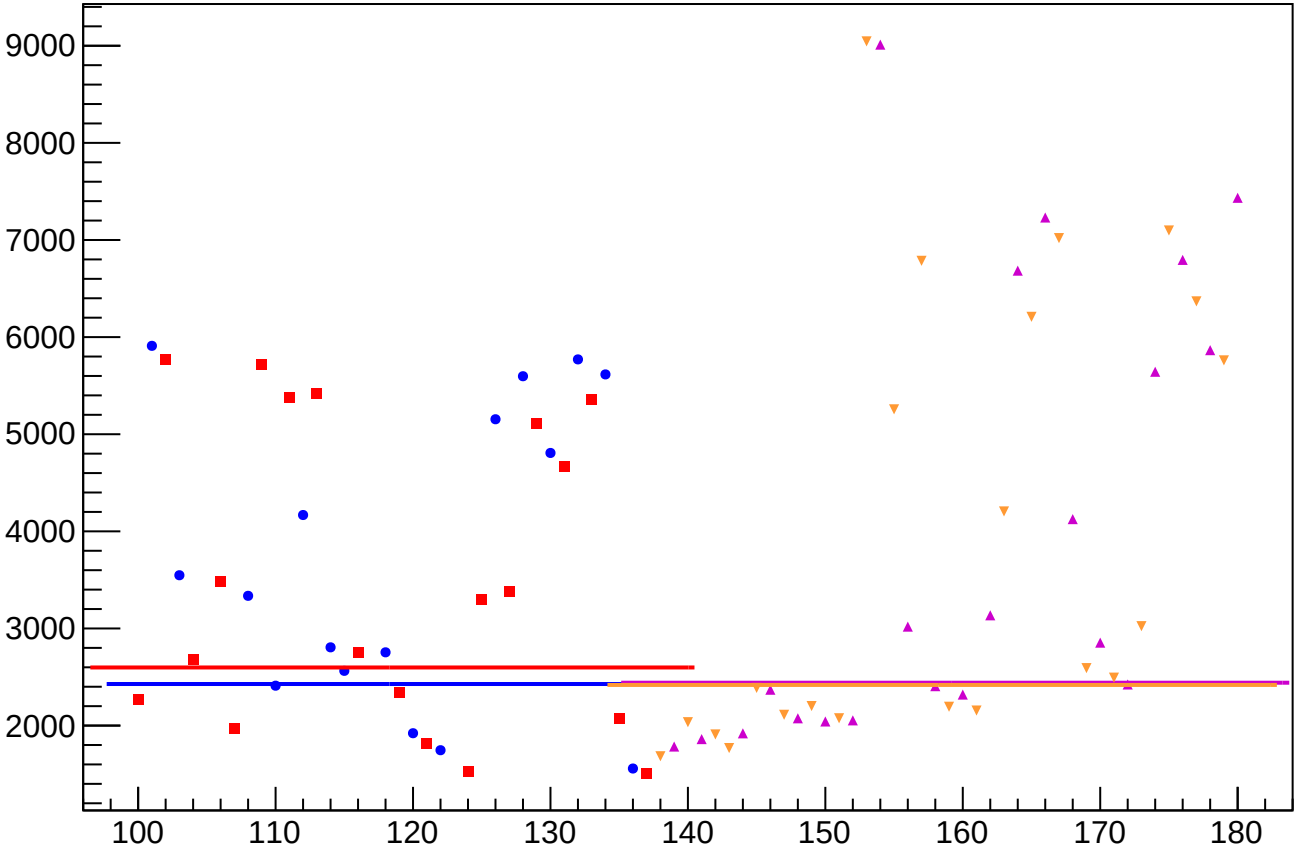
Left In: 12.945+/-0.665 χ^2/NDF:343.5/20

+ sign 5.205+/-0.558 χ^2/NDF: 706.0/37

All: 8.242+/-0.397 χ^2/NDF: 1615.6/77

- 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: 2418.515+/-0.467 χ^2/NDF:5840026.3/21

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

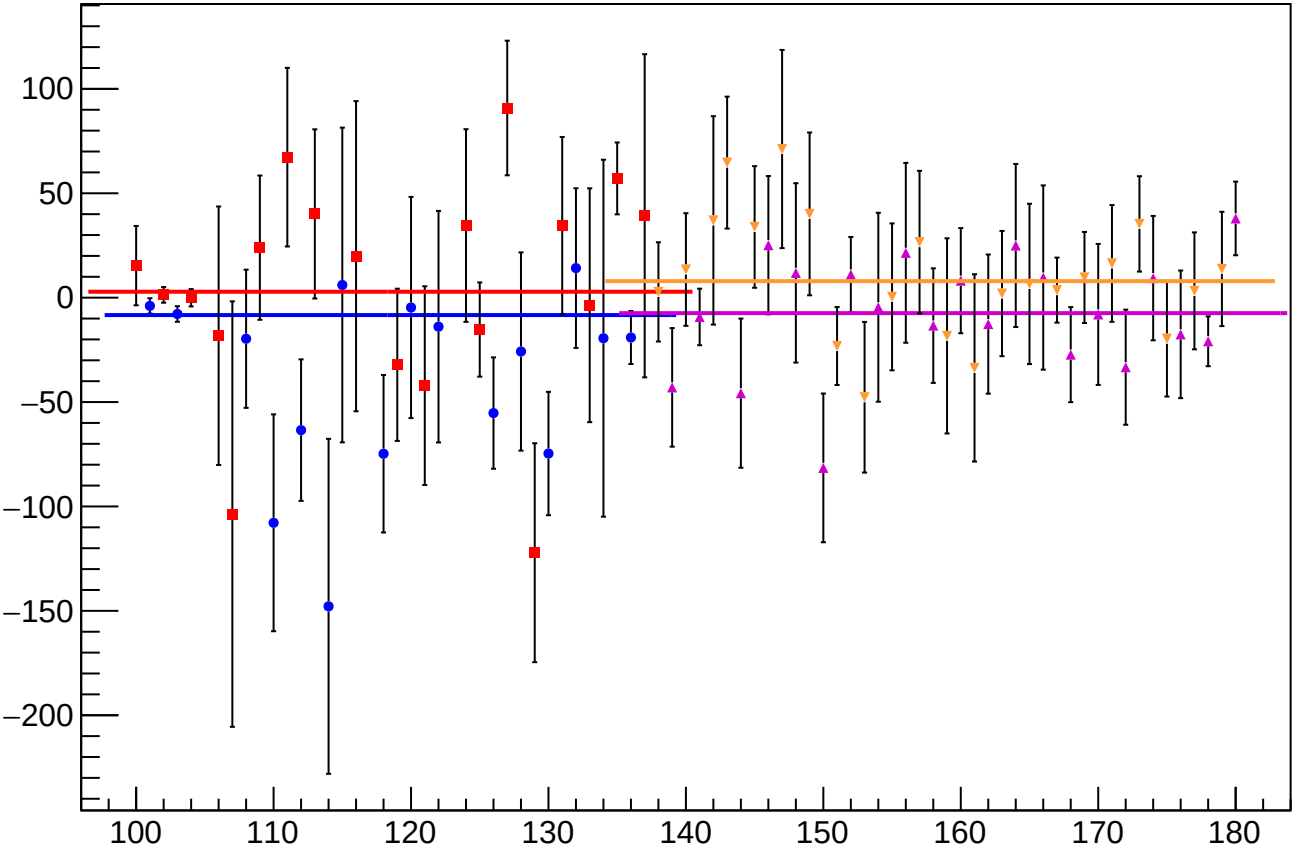
Left In: 2441.394+/-0.470 χ^2/NDF:5343400.9/20

+ sign 2421.244+/-0.395 χ^2/NDF: 8655481.1/37

All: 2452.677+/-0.281 χ^2/NDF: 16557534.5/7

- 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: 7.923+/-5.954 χ^2/NDF:16.3/21

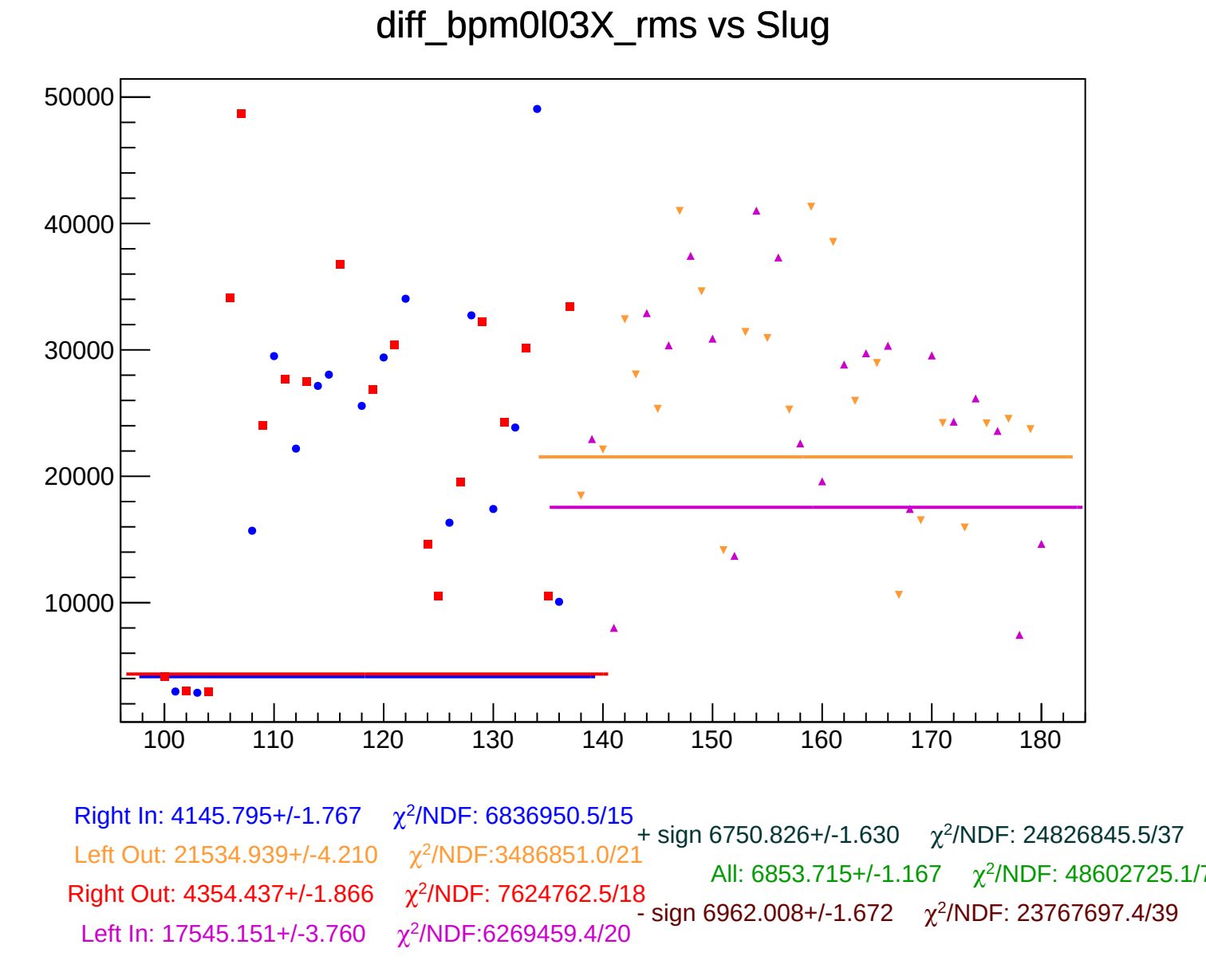
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -7.407+/-5.318 χ^2/NDF:21.0/20

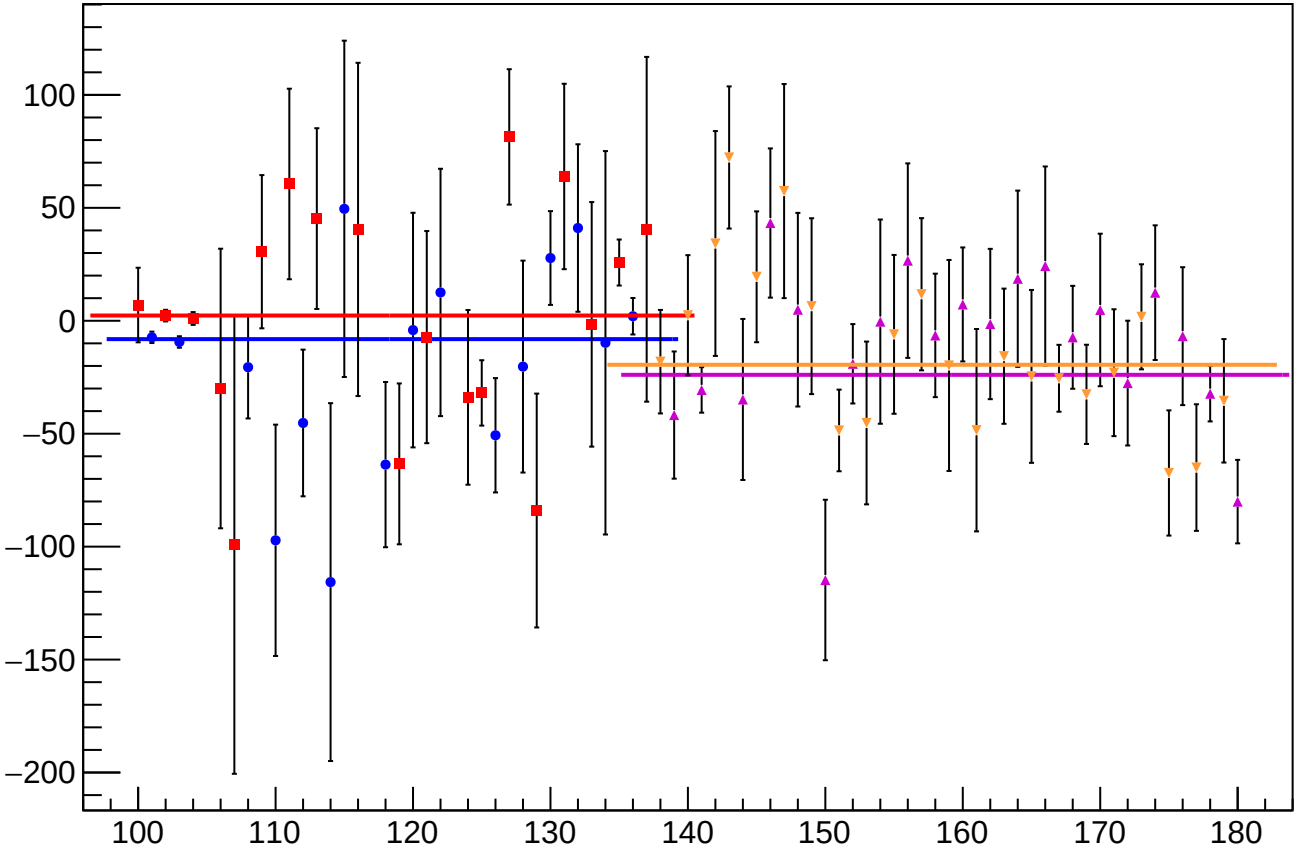
+ sign -5.897+/-2.305 χ^2/NDF: 46.1/37

All: -2.624+/-1.650 χ^2/NDF: 106.8/77

- sign 0.821+/-2.364 χ^2/NDF: 56.6/39


diff_bpm0l03X_rms vs Slug
50000
40000
30000
20000
10000
100
110
120
130
140
150
160
170
180
Right In: 4145.795+/-1.767 χ²/NDF: 6836950.5/15
Left Out: 21534.939+/-4.210 χ²/NDF:3486851.0/21
Right Out: 4354.437+/-1.866 χ²/NDF: 7624762.5/18
Left In: 17545.151+/-3.760 χ²/NDF:6269459.4/20
+ sign 6750.826+/-1.630 χ²/NDF: 24826845.5/37
All: 6853.715+/-1.167 χ²/NDF: 48602725.1/7
- sign 6962.008+/-1.672 χ²/NDF: 23767697.4/39

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -19.477+/-5.875 χ^2/NDF:27.1/21

Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

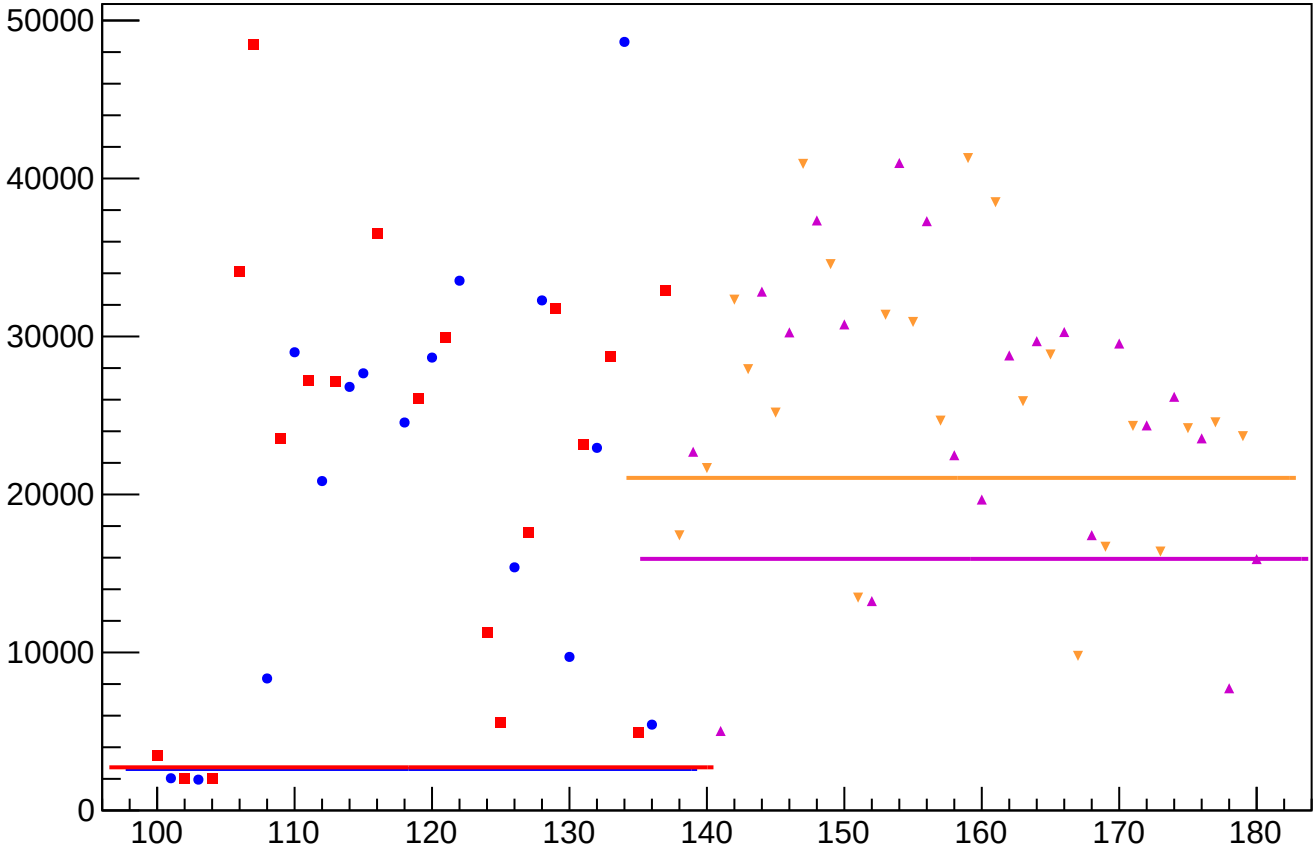
Left In: -23.931+/-5.044 χ^2/NDF:31.3/20

+ sign -9.028+/-1.651 χ^2/NDF: 49.7/37

All: -5.021+/-1.189 χ^2/NDF: 150.3/77

- sign -0.705+/-1.713 χ^2/NDF: 88.4/39

diff_bpm0l03Y_rms vs Slug



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 21049.579+/-4.154 χ^2/NDF:3815558.6/21

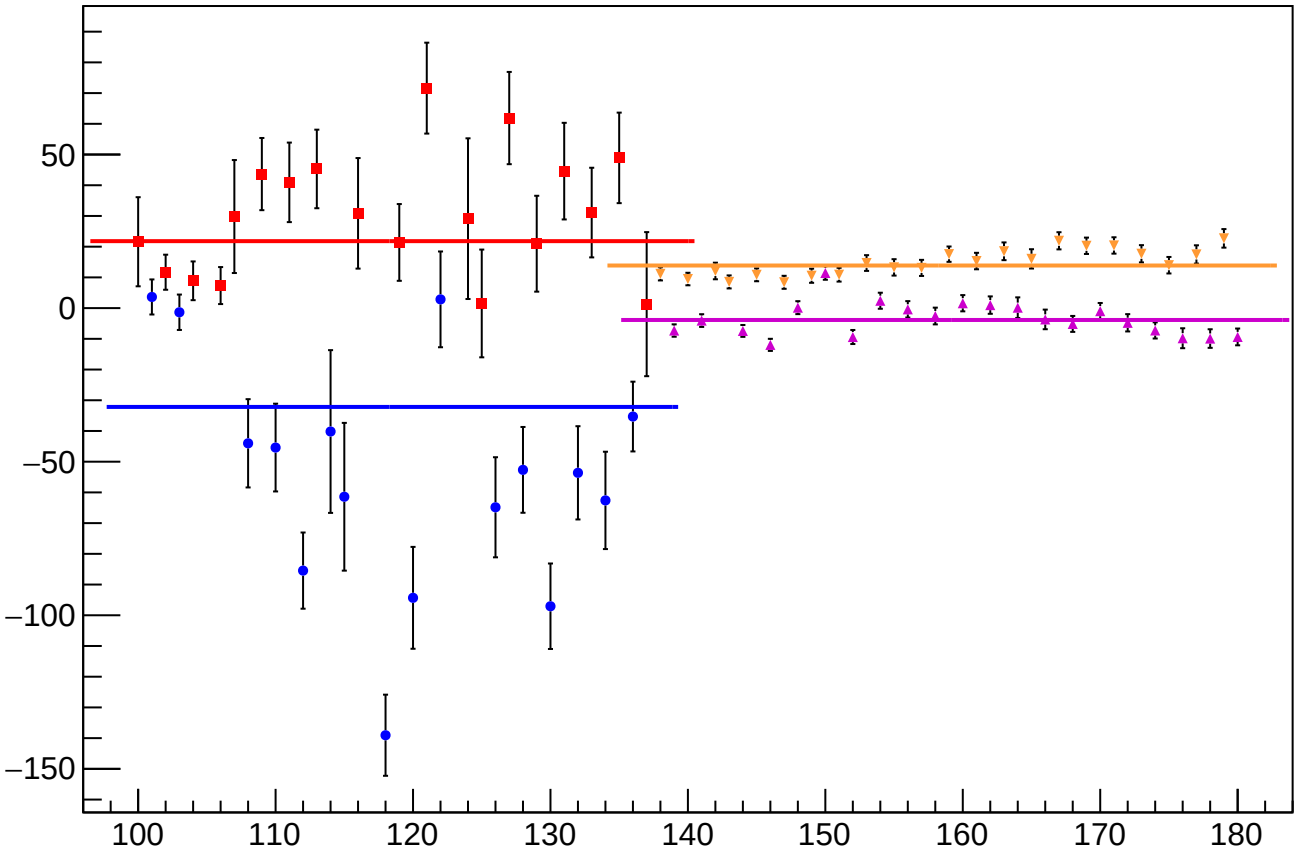
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15923.574+/-3.567 χ^2/NDF:7983424.1/20

+ sign 4081.371+/-1.167 χ^2/NDF: 28709226.7/37

All: 4163.818+/-0.841 χ^2/NDF: 56794121.7/7

- sign 4252.601+/-1.212 χ^2/NDF: 28074537.3/39



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.869+/-0.534 χ^2/NDF:63.4/21

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

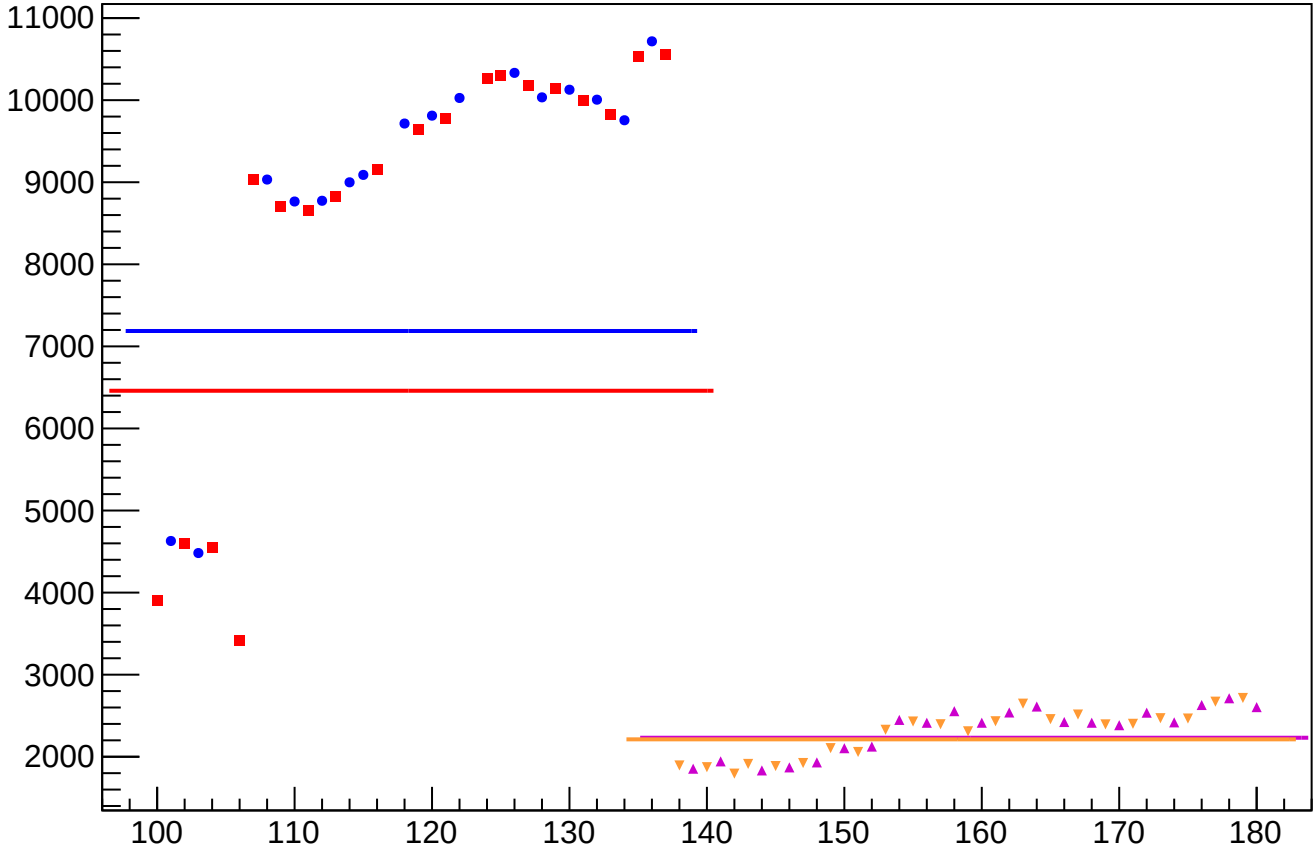
Left In: -3.863+/-0.542 χ^2/NDF:111.2/20

+ sign 12.301+/-0.524 χ^2/NDF: 524.8/37

All: 4.859+/-0.373 χ^2/NDF: 1188.9/77

- 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: 2212.059+/-0.377 χ^2/NDF:568447.8/21

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

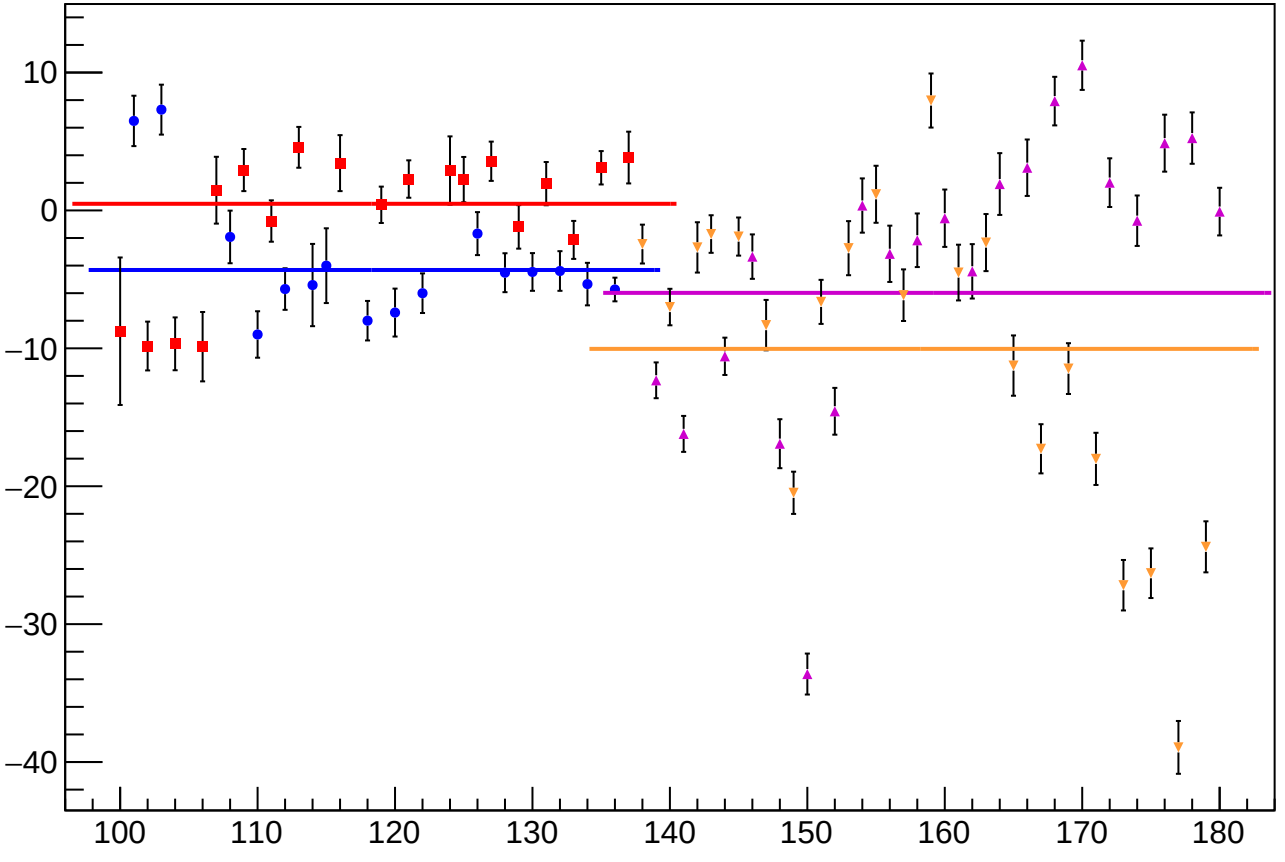
Left In: 2231.620+/-0.384 χ^2/NDF:598383.3/20

+ sign 2381.491+/-0.371 χ^2/NDF: 8196229.8/37

All: 2397.356+/-0.264 χ^2/NDF: 16305337.0/7

- sign 2413.596+/-0.375 χ^2/NDF: 8105403.0/39

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -10.039+/-0.369 χ^2/NDF:820.2/21

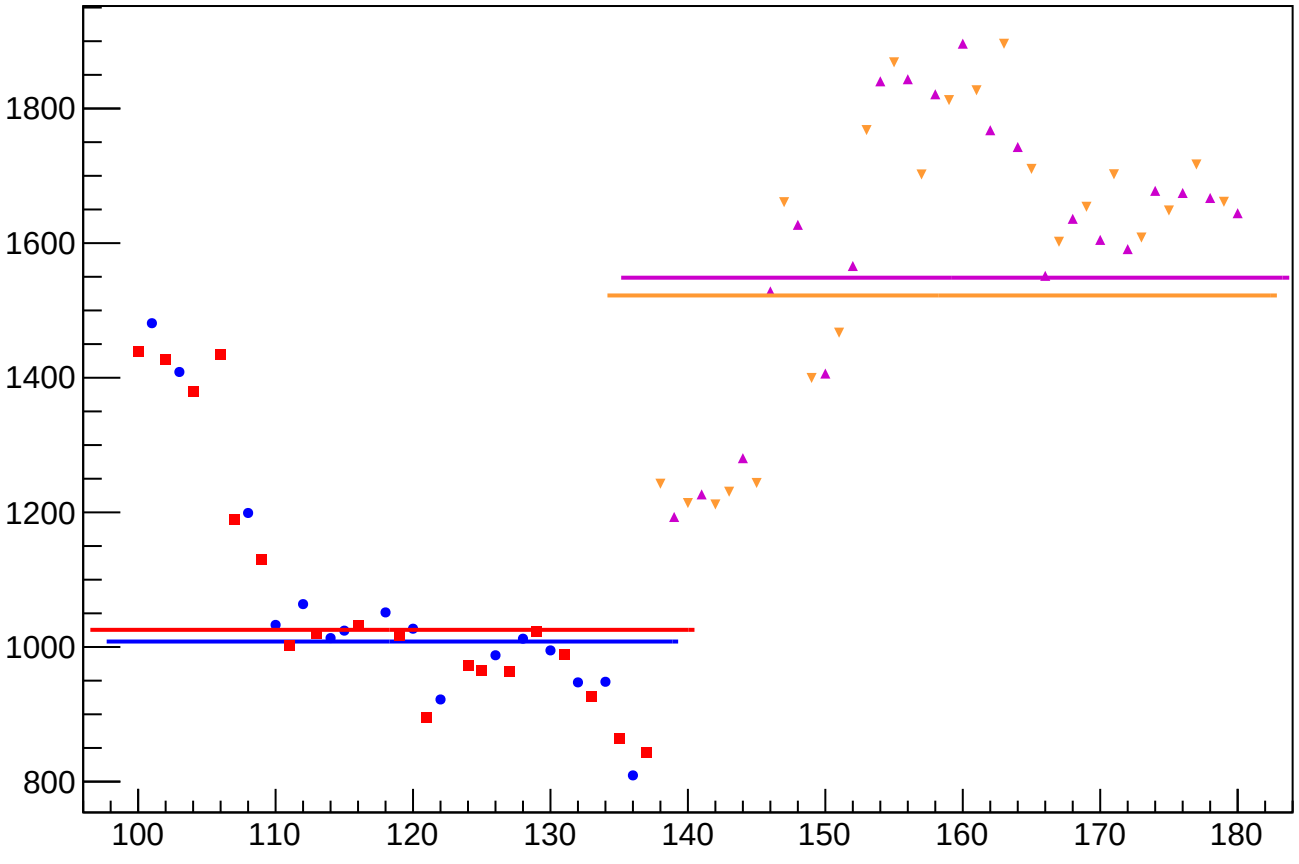
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -5.978+/-0.377 χ^2/NDF:817.0/20

\+ sign -7.261+/-0.265 χ^2/NDF: 1040.6/37

All: -5.033+/-0.188 χ^2/NDF: 2263.9/77

\- 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: 1522.260+/-0.261 χ^2/NDF:798793.4/21

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

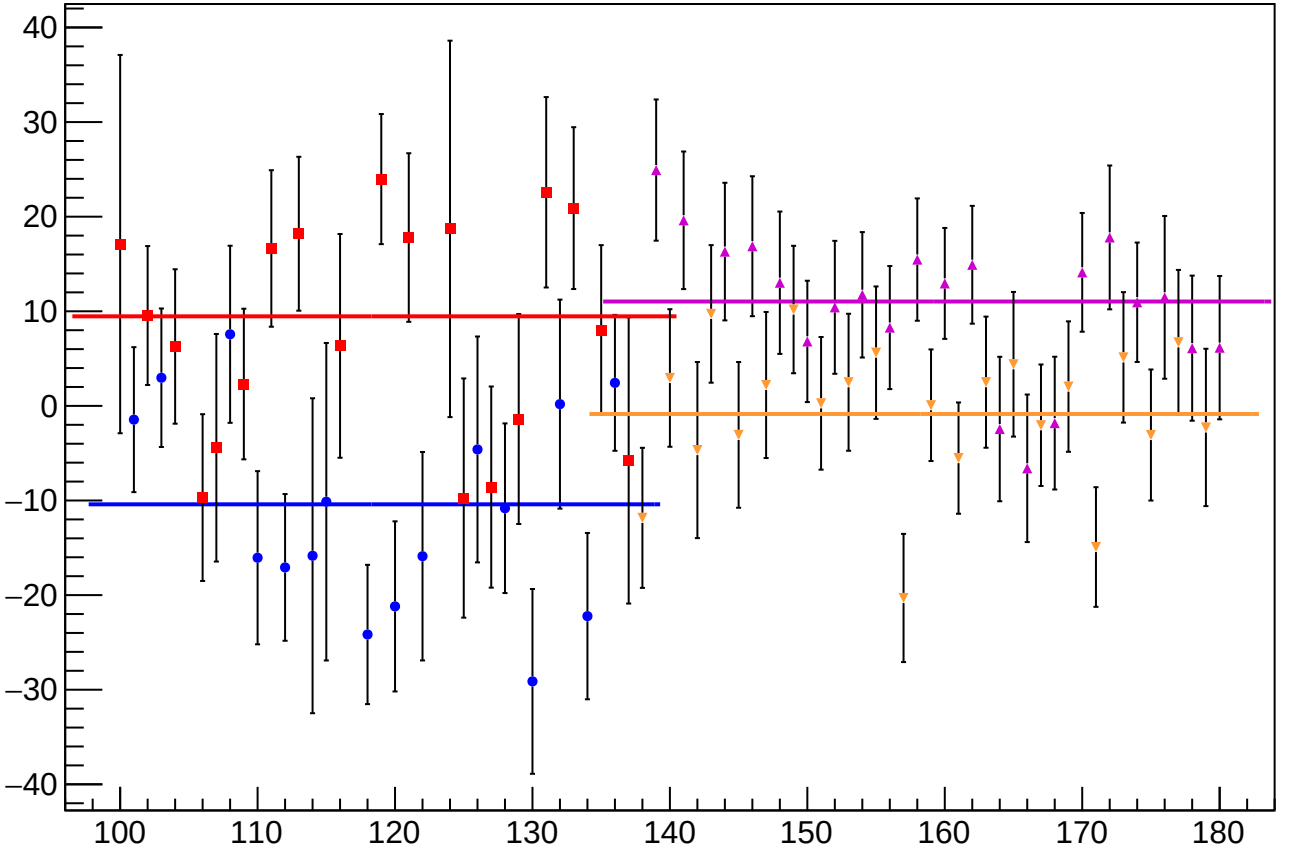
Left In: 1548.652+/-0.267 χ^2/NDF:633583.3/20

+ sign 1272.535+/-0.187 χ^2/NDF: 3063144.0/37

All: 1280.274+/-0.133 χ^2/NDF: 5963064.9/77

- 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: -0.853+/-1.500 χ^2/NDF:25.4/21

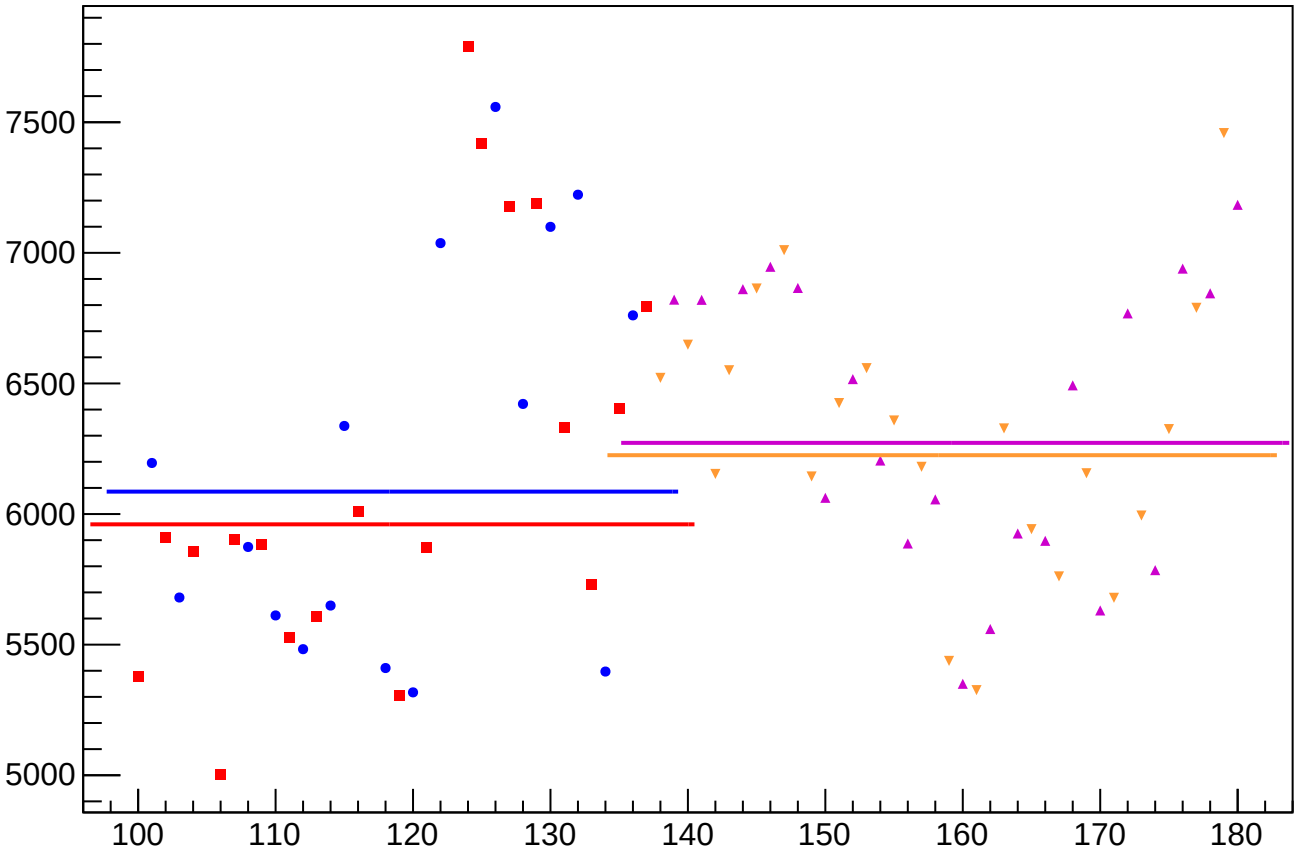
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 11.032+/-1.523 χ^2/NDF:21.1/20

+ sign -3.739+/-1.253 χ^2/NDF: 62.3/37

All: 3.408+/-0.885 χ^2/NDF: 174.0/77

- 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: 6225.287+/-1.061 χ^2/NDF:224148.4/21

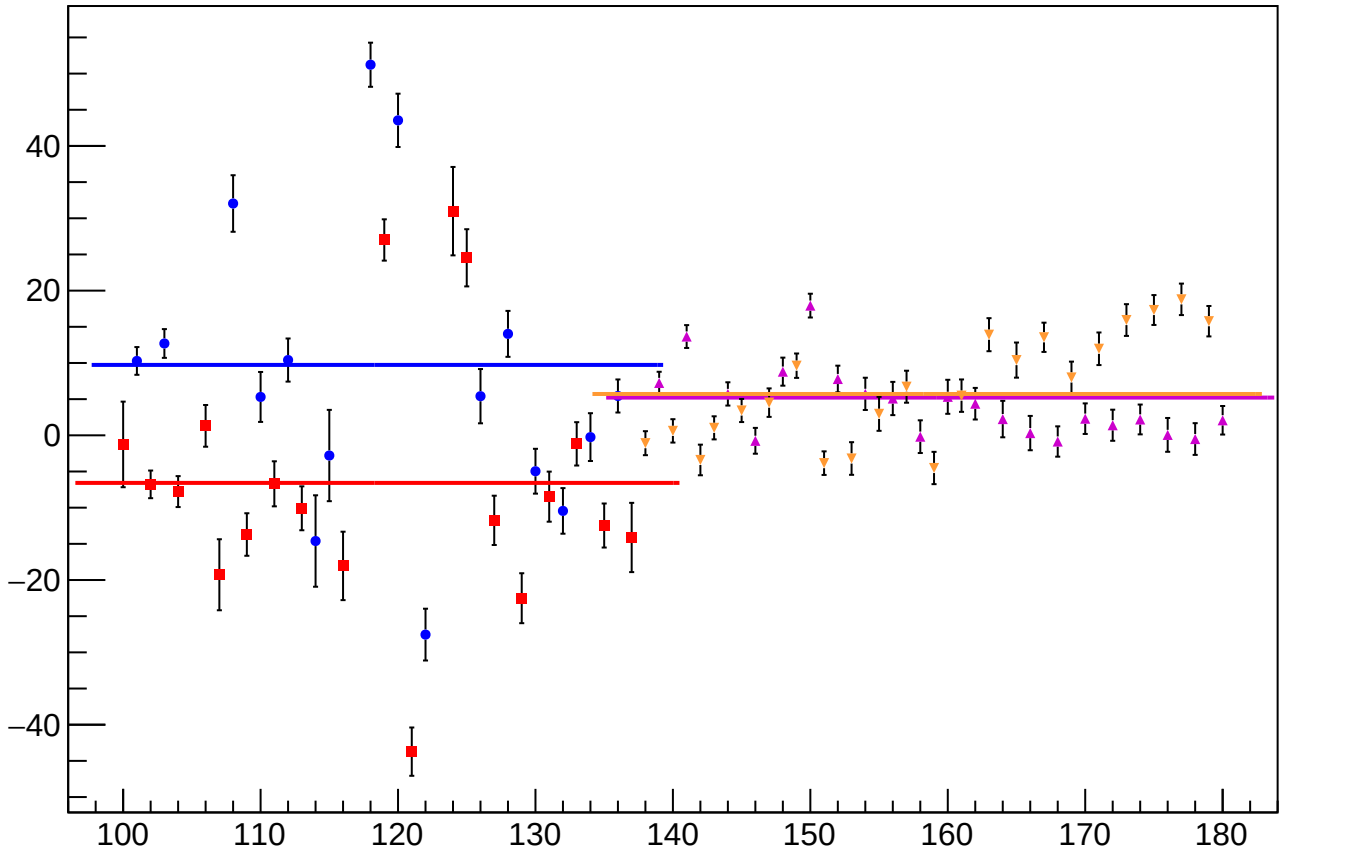
Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6272.521+/-1.077 χ^2/NDF:258175.8/20

+ sign 6183.162+/-0.886 χ^2/NDF: 408485.5/37

All: 6177.019+/-0.626 χ^2/NDF: 856859.1/77

- sign 6170.903+/-0.884 χ^2/NDF: 448277.7/39



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 5.714+/-0.422 χ^2/NDF:287.1/21

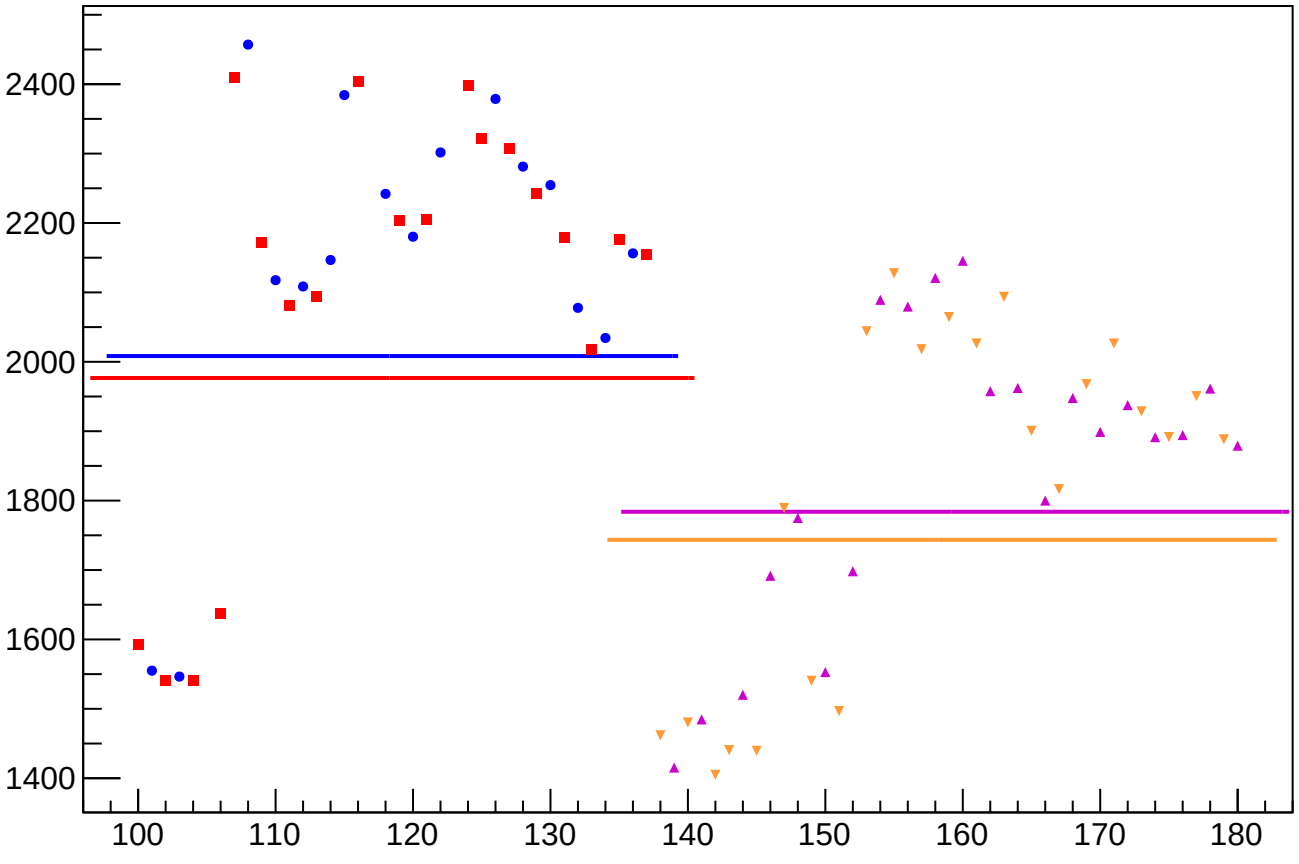
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 5.215+/-0.434 χ^2/NDF:148.2/20

+ sign 6.671+/-0.368 χ^2/NDF: 821.1/37

All: 4.434+/-0.262 χ^2/NDF: 1660.5/77

- 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: 1743.502+/-0.298 χ^2/NDF:738194.8/21

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

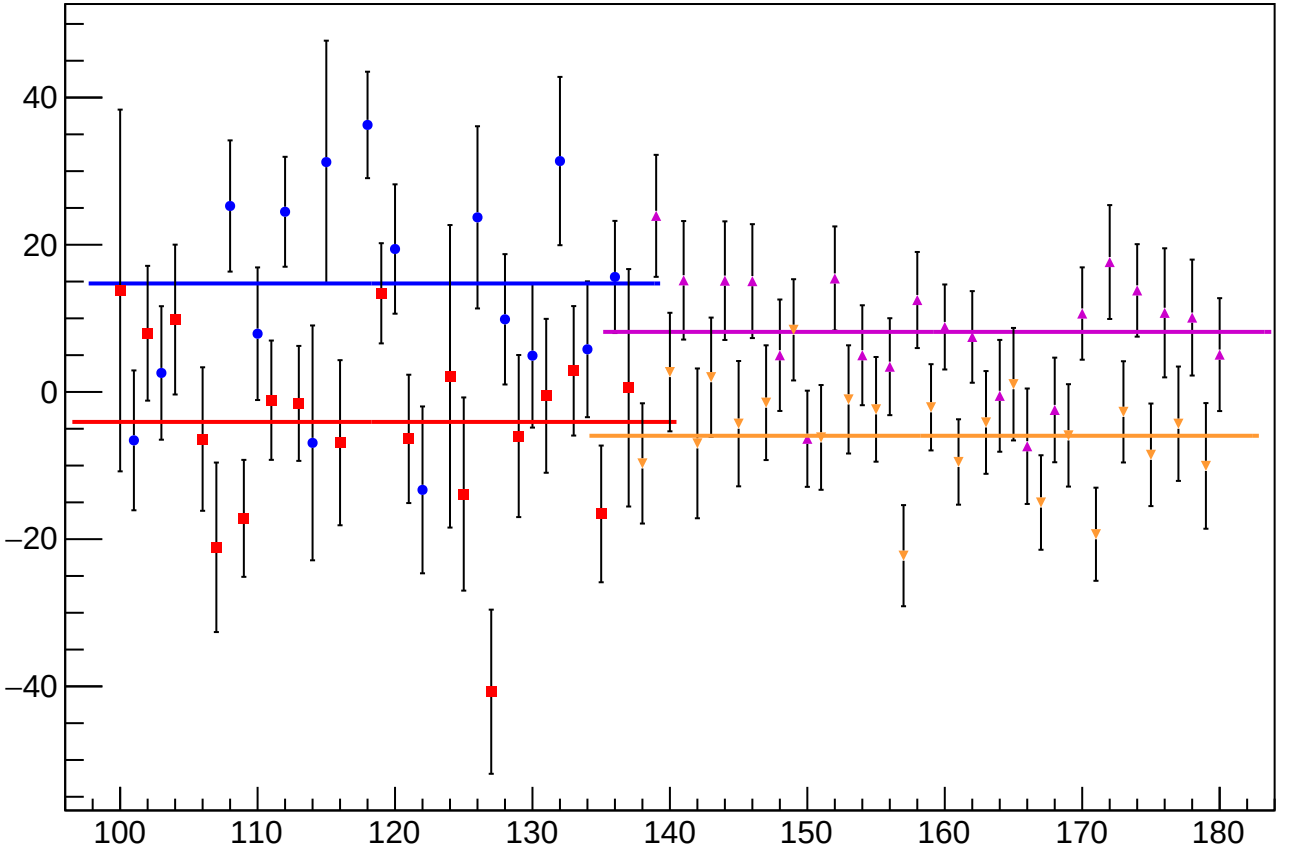
Left In: 1783.925+/-0.307 χ^2/NDF:530667.5/20

+ sign 1806.551+/-0.260 χ^2/NDF: 1270053.0/37

All: 1820.192+/-0.185 χ^2/NDF: 2274647.2/77

- 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: -5.953+/-1.535 χ^2/NDF:22.2/21

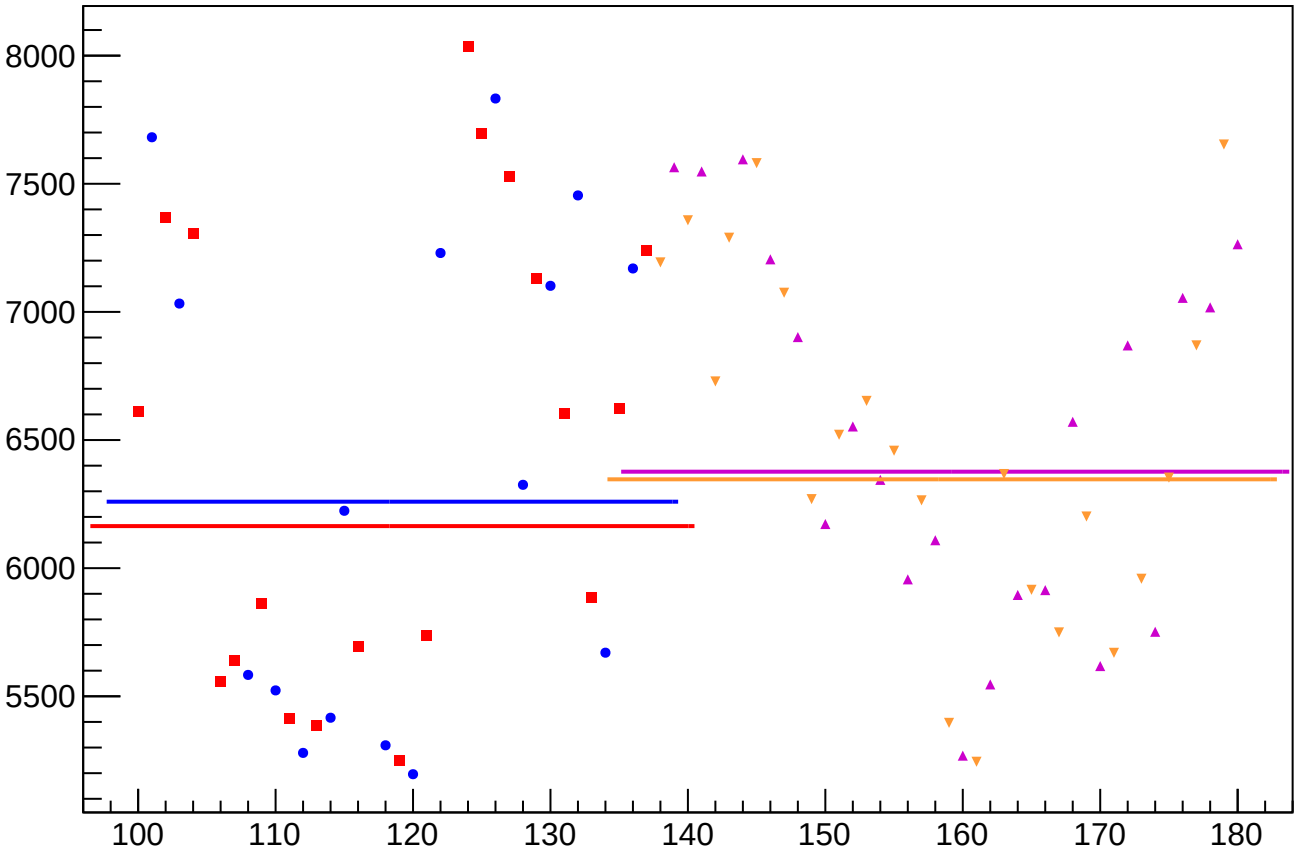
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 8.161+/-1.554 χ^2/NDF:23.5/20

+ sign 0.208+/-1.286 χ^2/NDF: 109.9/37

All: 2.242+/-0.908 χ^2/NDF: 188.3/77

- 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: 6346.699+/-1.085 χ^2/NDF:382624.4/21

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

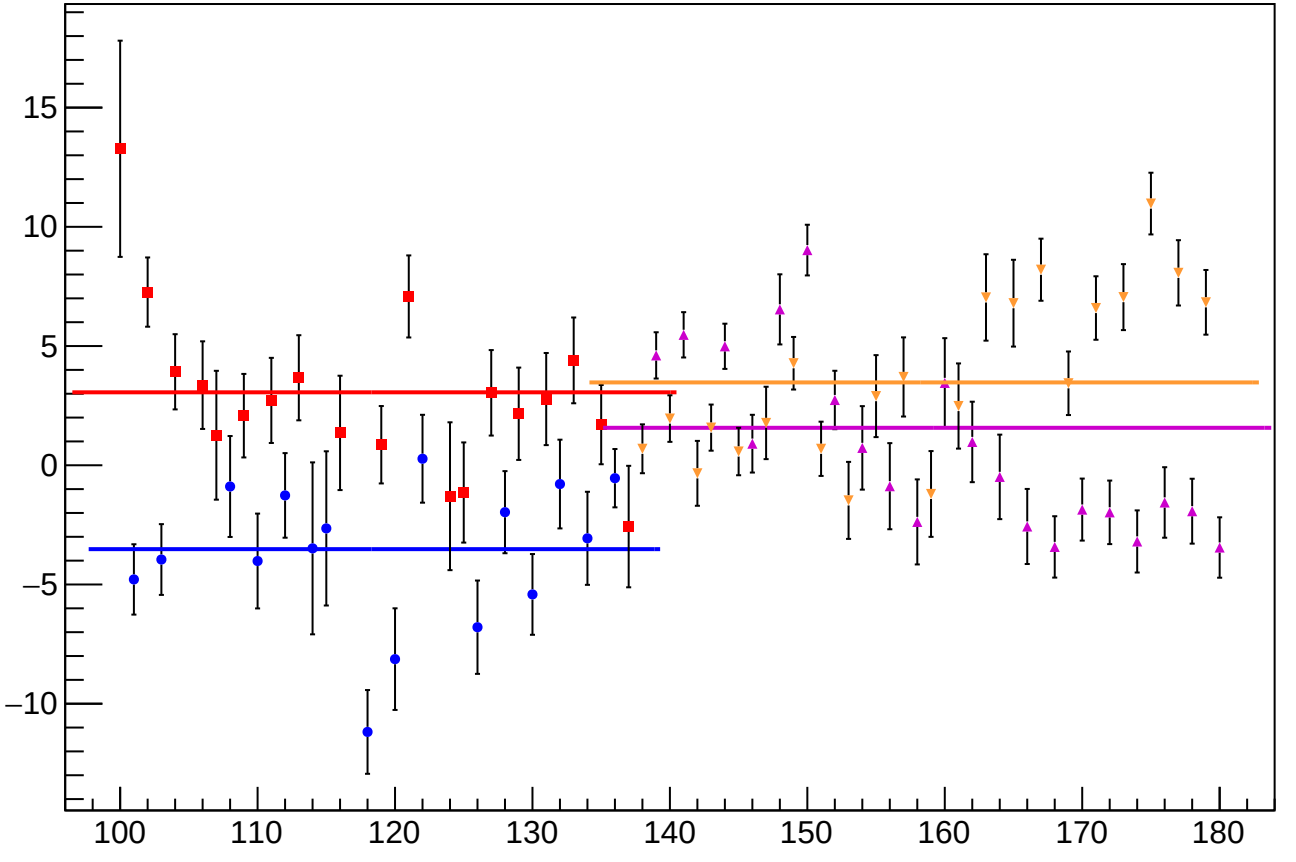
Left In: 6376.495+/-1.099 χ^2/NDF:411294.8/20

+ sign 6320.713+/-0.910 χ^2/NDF: 693156.3/37

All: 6314.774+/-0.642 χ^2/NDF: 1381483.8/77

- 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: 3.474+/-0.279 χ^2/NDF:137.9/21

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

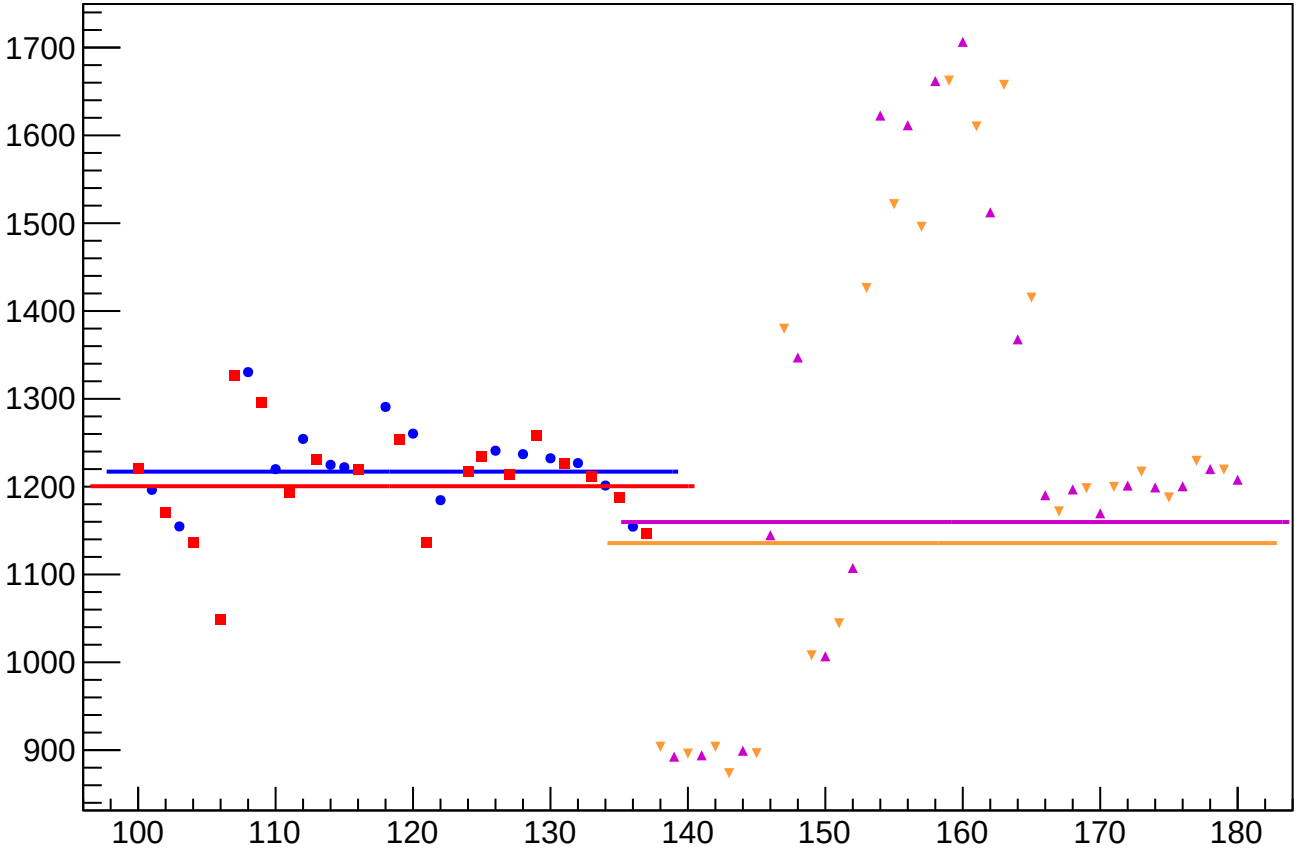
Left In: 1.571+/-0.286 χ^2/NDF:187.0/20

+ sign 1.551+/-0.237 χ^2/NDF: 356.1/37

All: 1.781+/-0.169 χ^2/NDF: 587.9/77

- 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: 1135.730+/-0.197 χ^2/NDF:1457707.9/21

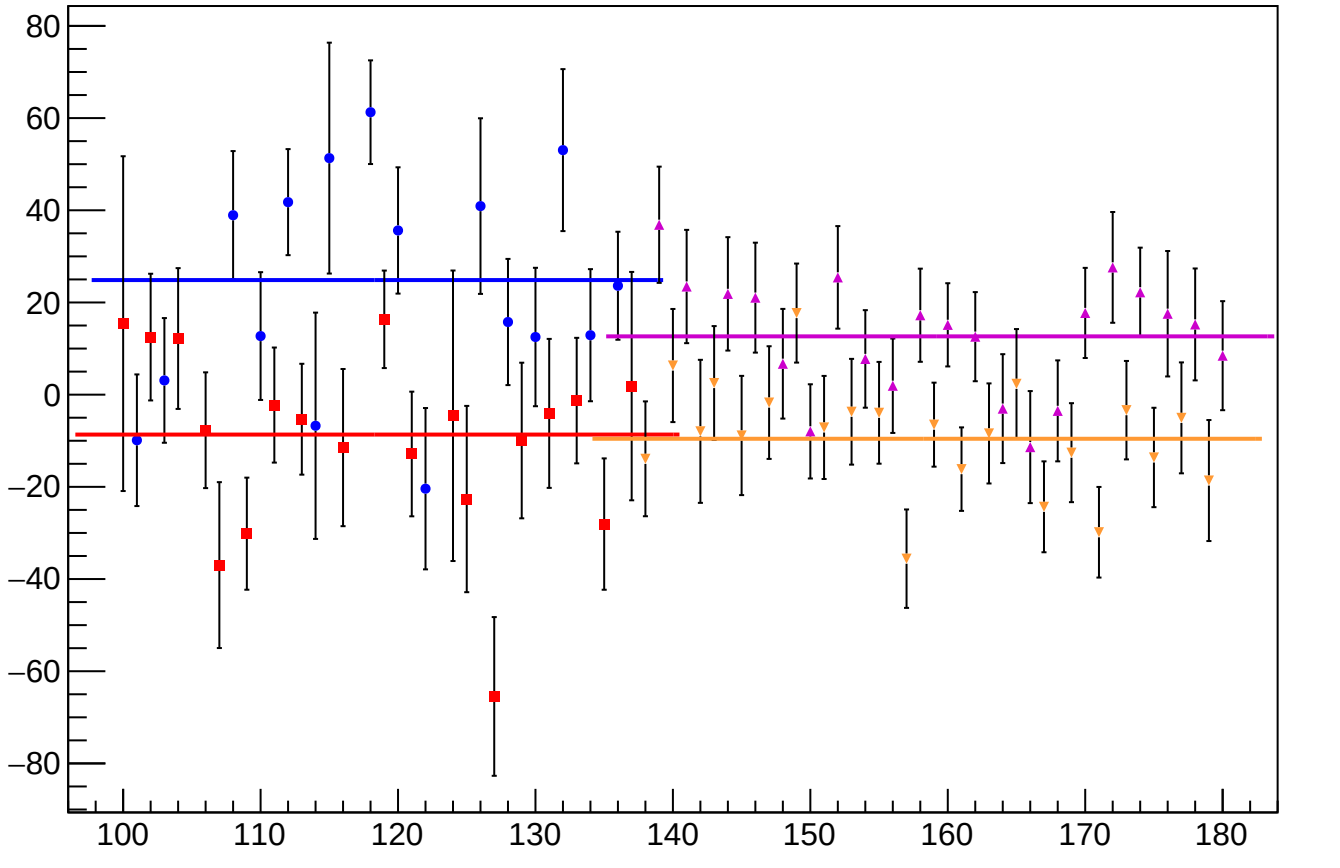
Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1159.722+/-0.202 χ^2/NDF:1259501.7/20

+ sign 1158.112+/-0.168 χ^2/NDF: 1526288.7/37

All: 1164.936+/-0.119 χ^2/NDF: 2838927.7/77

- sign 1171.880+/-0.169 χ^2/NDF: 1309301.5/39



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.569+/-2.378 χ^2/NDF:25.5/21

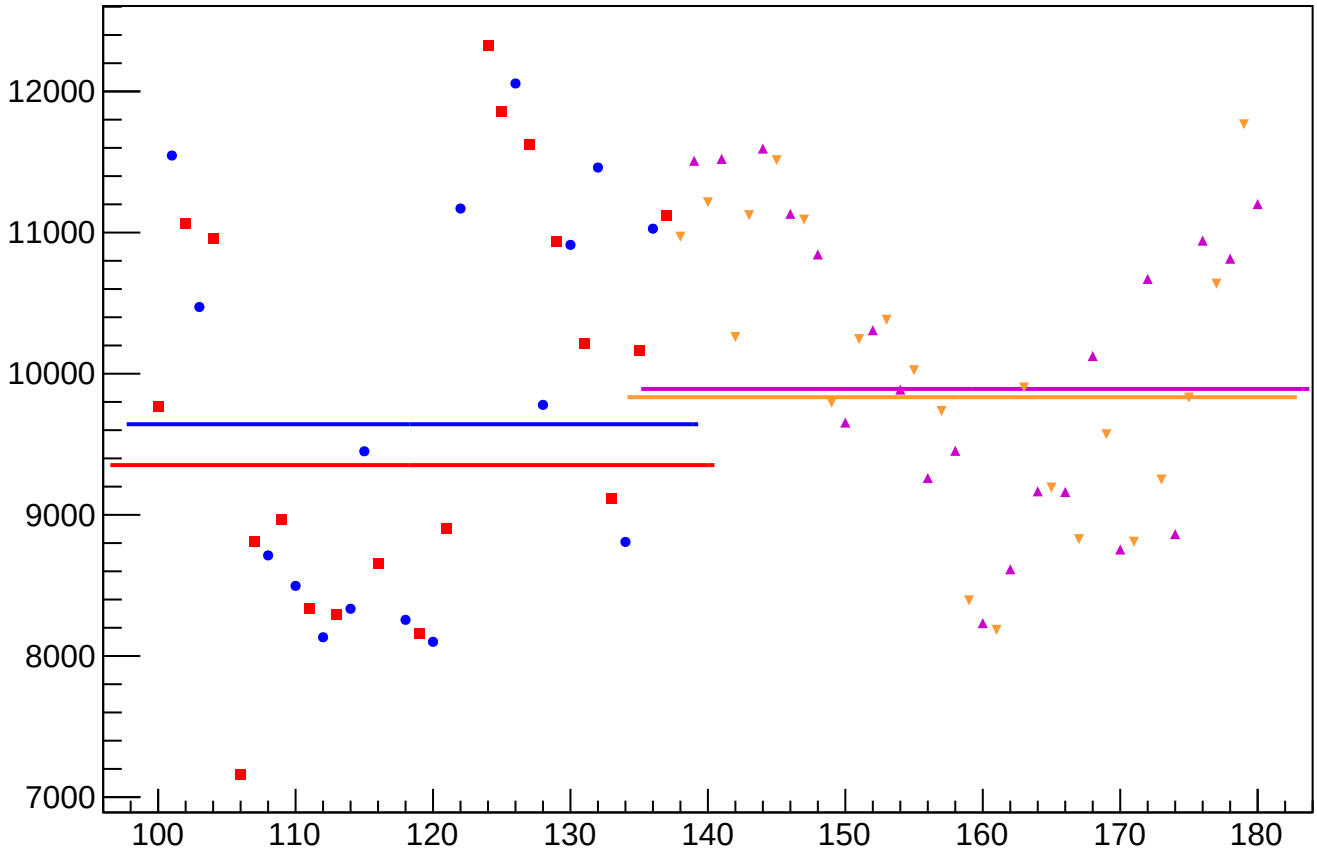
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 12.648+/-2.410 χ^2/NDF:23.7/20

\+ sign 0.776+/-1.989 χ^2/NDF: 126.6/37

All: 3.238+/-1.402 χ^2/NDF: 209.1/77

\- sign 5.671+/-1.976 χ^2/NDF: 79.4/39



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9833.744+/-1.681 χ^2/NDF:352349.7/21

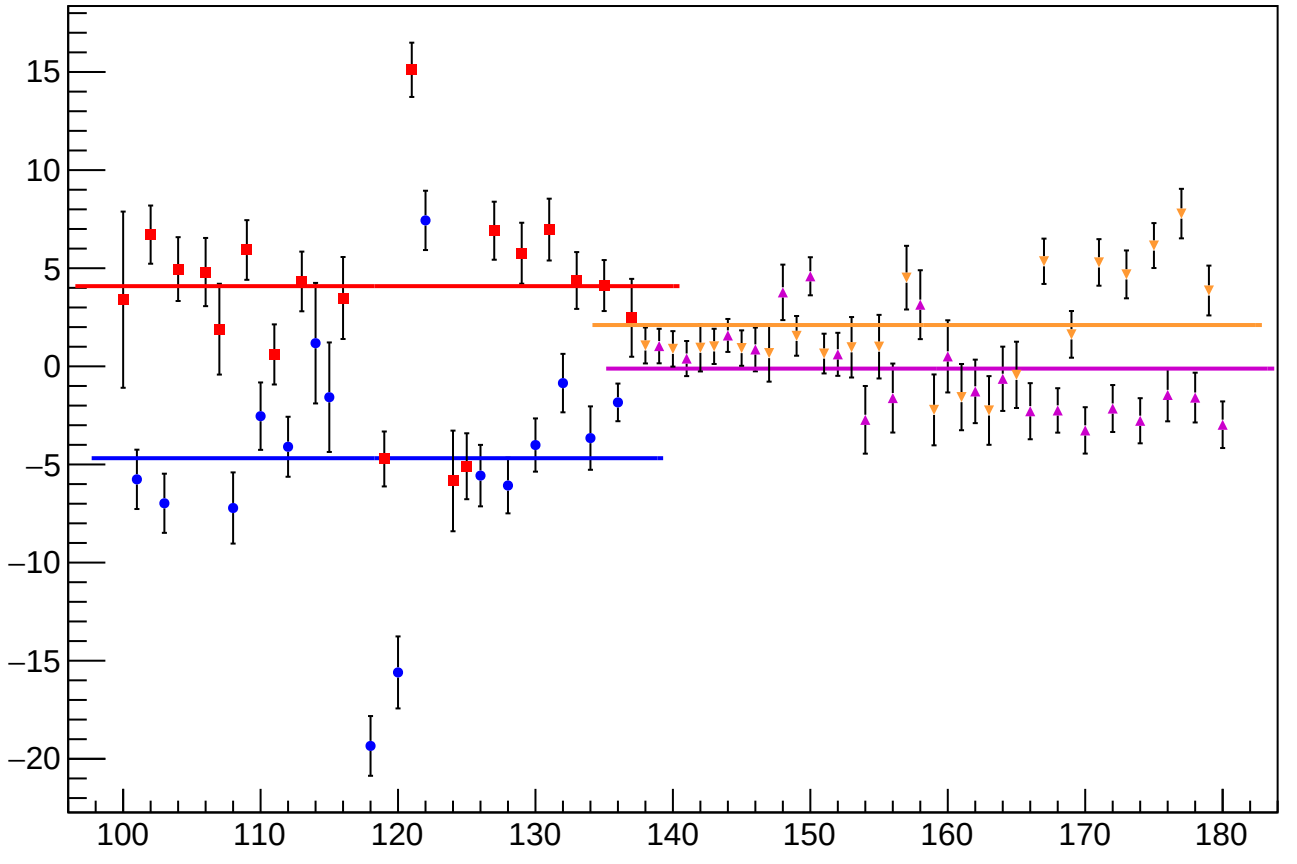
Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9892.183+/-1.704 χ^2/NDF:380375.2/20

+ sign 9776.155+/-1.406 χ^2/NDF: 635912.2/37

All: 9745.615+/-0.991 χ^2/NDF: 1351847.1/77

- sign 9715.450+/-1.398 χ^2/NDF: 714997.4/39



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 2.105+/-0.255 χ^2/NDF:87.1/21

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

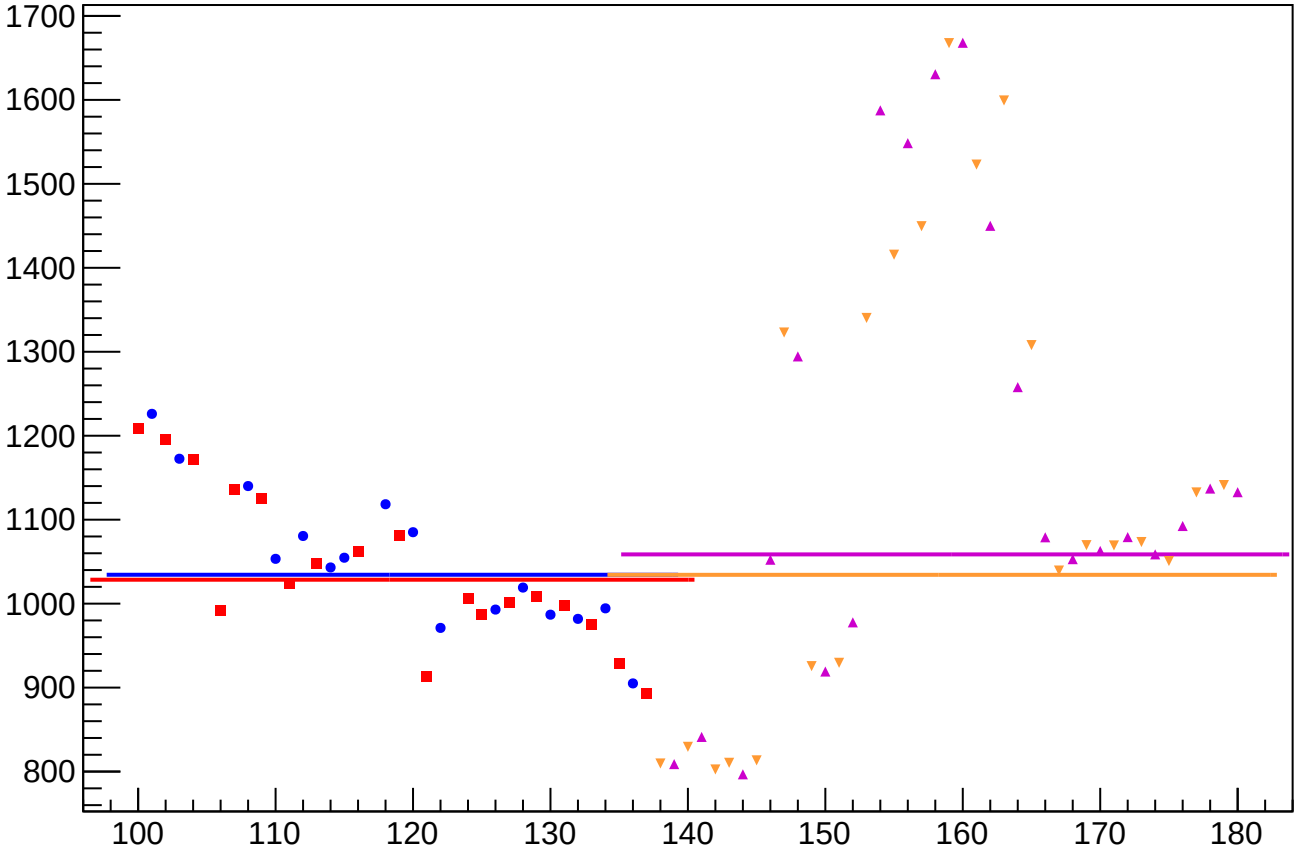
Left In: -0.115+/-0.262 χ^2/NDF:74.9/20

+ sign 0.040+/-0.213 χ^2/NDF: 523.5/37

All: 0.643+/-0.151 χ^2/NDF: 866.5/77

- 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: 1034.319+/-0.180 χ^2/NDF:1691497.8/21

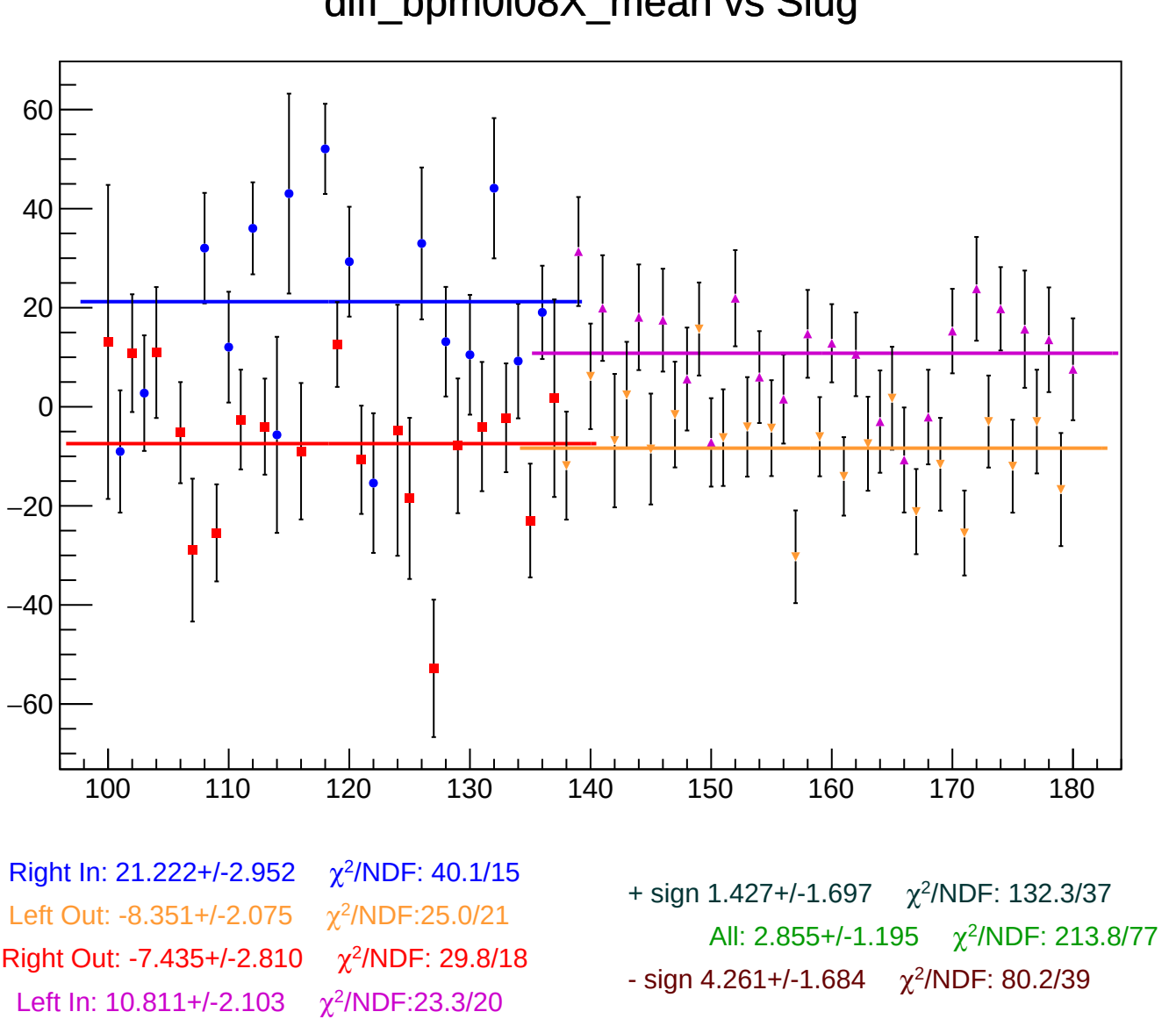
Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1058.657+/-0.186 χ^2/NDF:1521849.0/20

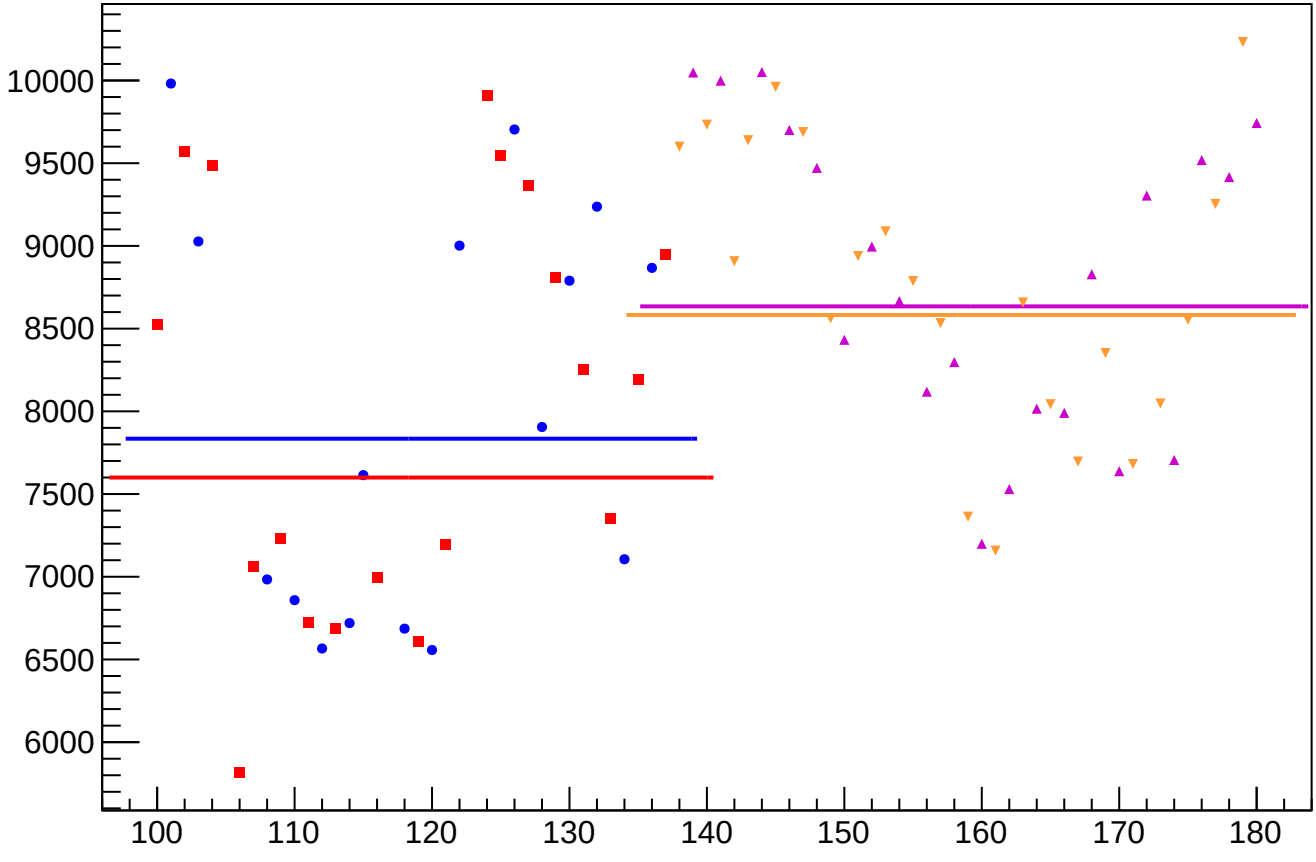
+ sign 1034.345+/-0.150 χ^2/NDF: 1804776.5/37

All: 1041.485+/-0.107 χ^2/NDF: 3441443.0/77

- sign 1048.791+/-0.152 χ^2/NDF: 1632112.0/39


diff_bpm0l08X_mean vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 21.222+/-2.952 χ²/NDF: 40.1/15
Left Out: -8.351+/-2.075 χ²/NDF:25.0/21
Right Out: -7.435+/-2.810 χ²/NDF: 29.8/18
Left In: 10.811+/-2.103 χ²/NDF:23.3/20
+ sign 1.427+/-1.697 χ²/NDF: 132.3/37
All: 2.855+/-1.195 χ²/NDF: 213.8/77
- sign 4.261+/-1.684 χ²/NDF: 80.2/39

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8582.490+/-1.467 χ^2/NDF:339926.9/21

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

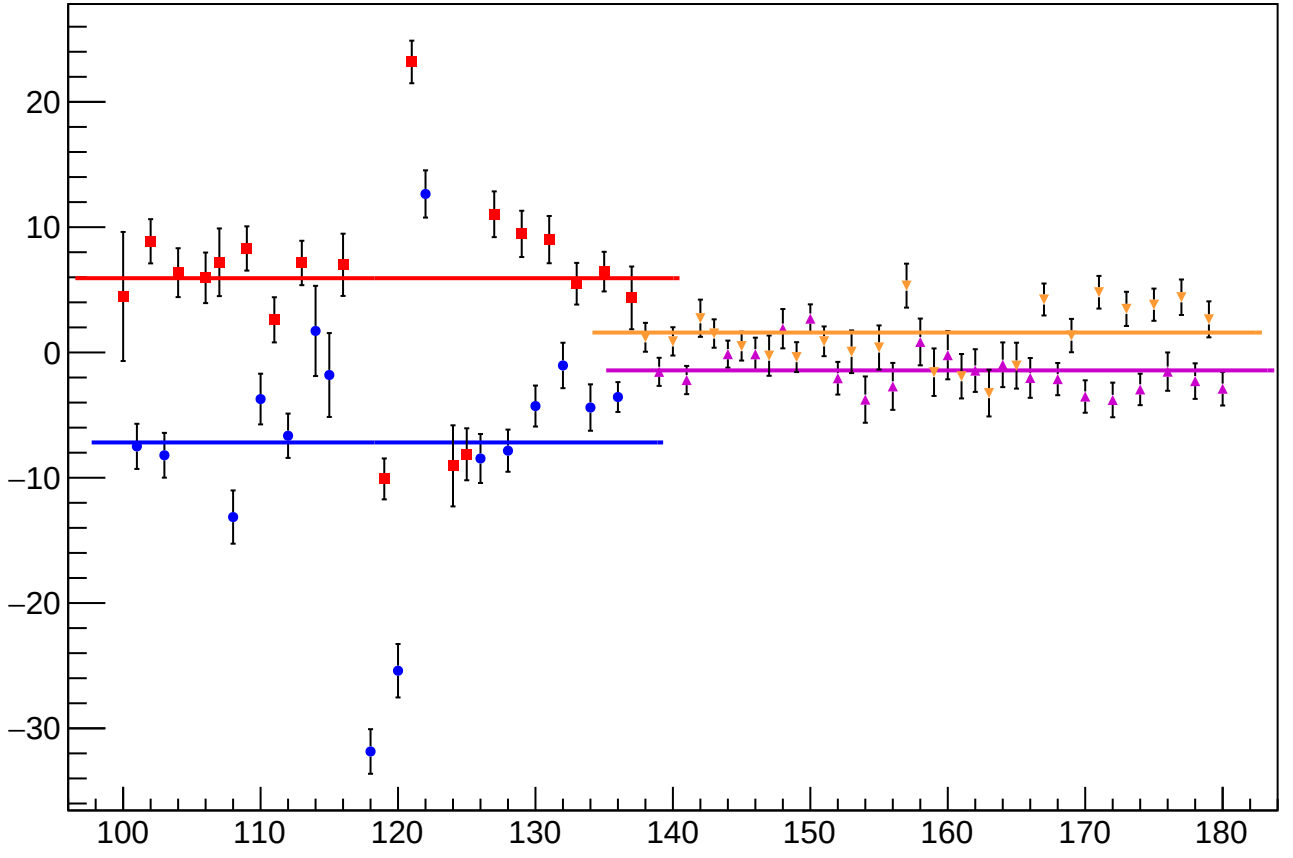
Left In: 8634.448+/-1.487 χ^2/NDF:369214.3/20

+ sign 8335.201+/-1.200 χ^2/NDF: 743949.7/37

All: 8298.816+/-0.845 χ^2/NDF: 1633073.2/77

- 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: 1.590+/-0.296 χ^2/NDF:47.4/21

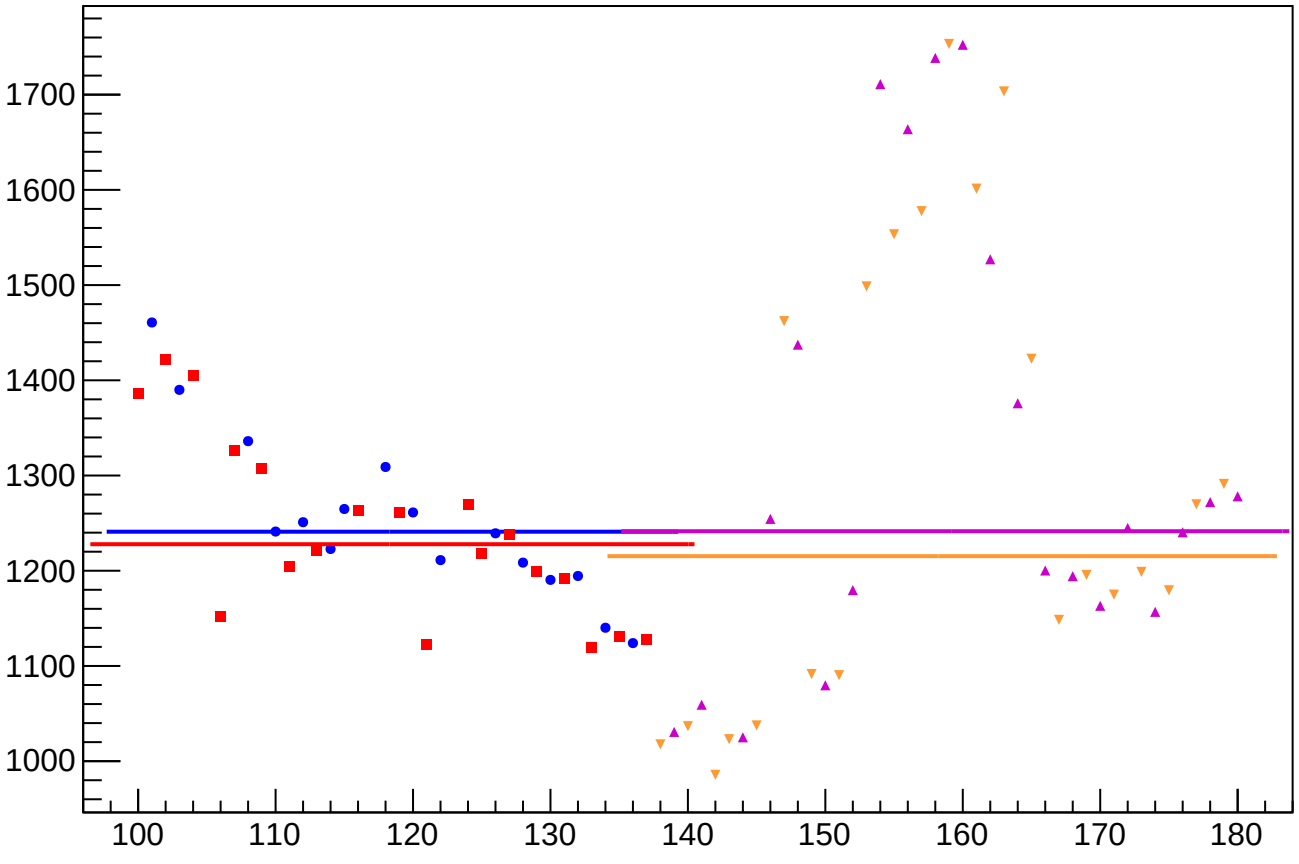
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -1.432+/-0.304 χ^2/NDF:33.7/20

+ sign -0.965+/-0.249 χ^2/NDF: 724.9/37

All: -0.050+/-0.177 χ^2/NDF: 1260.1/77

- sign 0.883+/-0.252 χ^2/NDF: 508.0/39



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1215.327+/-0.210 χ^2/NDF:1003769.9/21

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

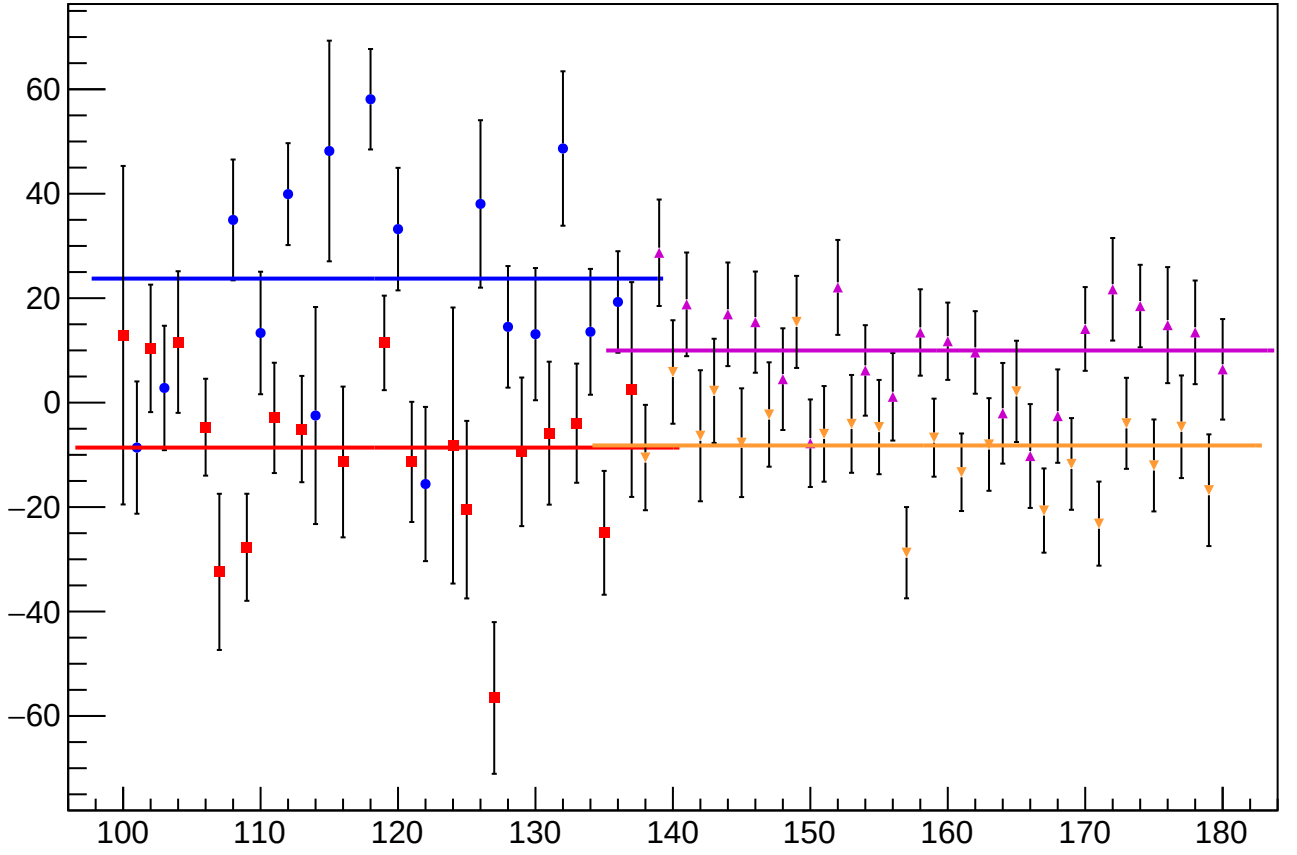
Left In: 1241.508+/-0.215 χ^2/NDF:882505.5/20

+ sign 1222.805+/-0.176 χ^2/NDF: 1088797.1/37

All: 1229.940+/-0.125 χ^2/NDF: 2058211.1/77

- 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: -8.202+/-1.941 χ^2/NDF:25.5/21

Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

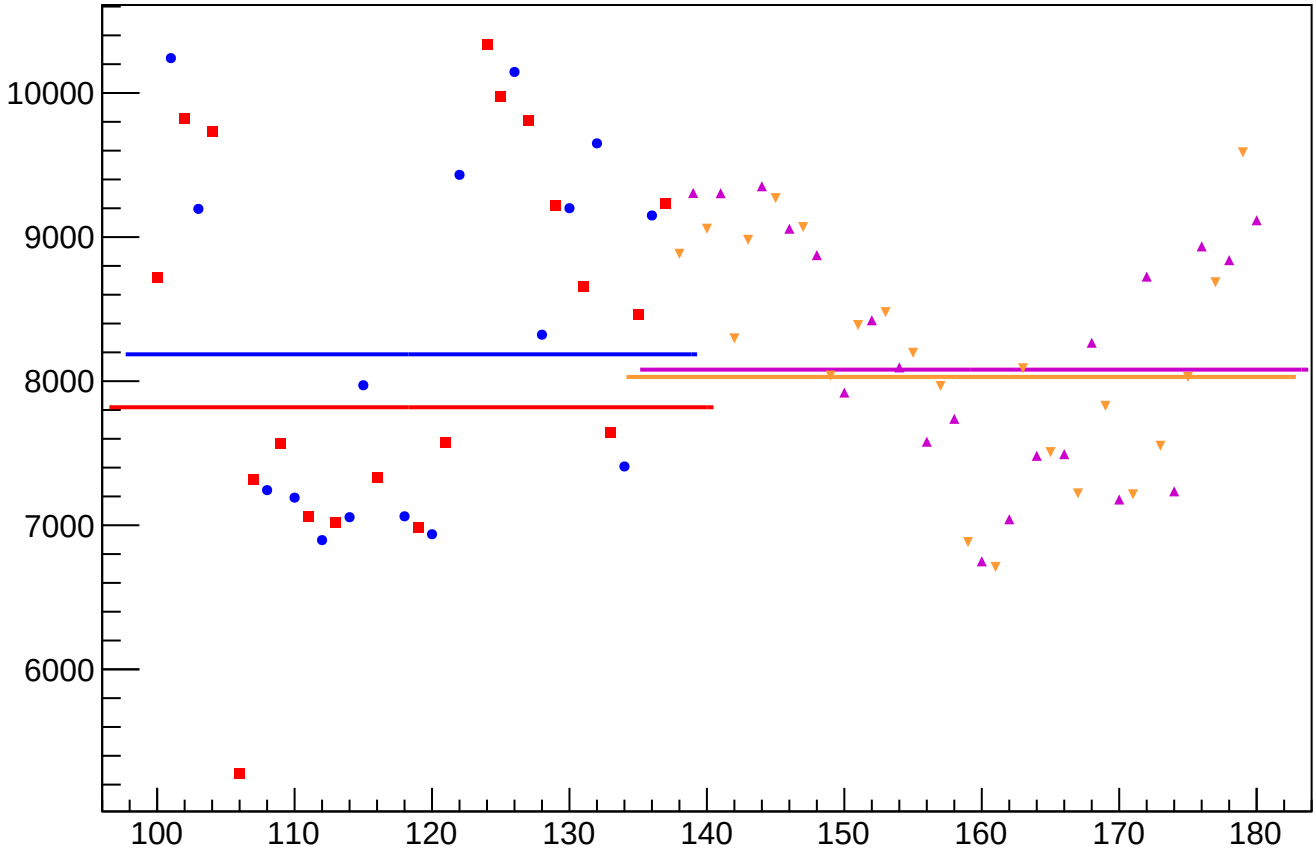
Left In: 9.982+/-1.968 χ^2/NDF:24.0/20

+ sign 0.871+/-1.642 χ^2/NDF: 145.9/37

All: 2.509+/-1.156 χ^2/NDF: 230.6/77

- 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: 8029.524+/-1.372 χ^2/NDF:328648.1/21

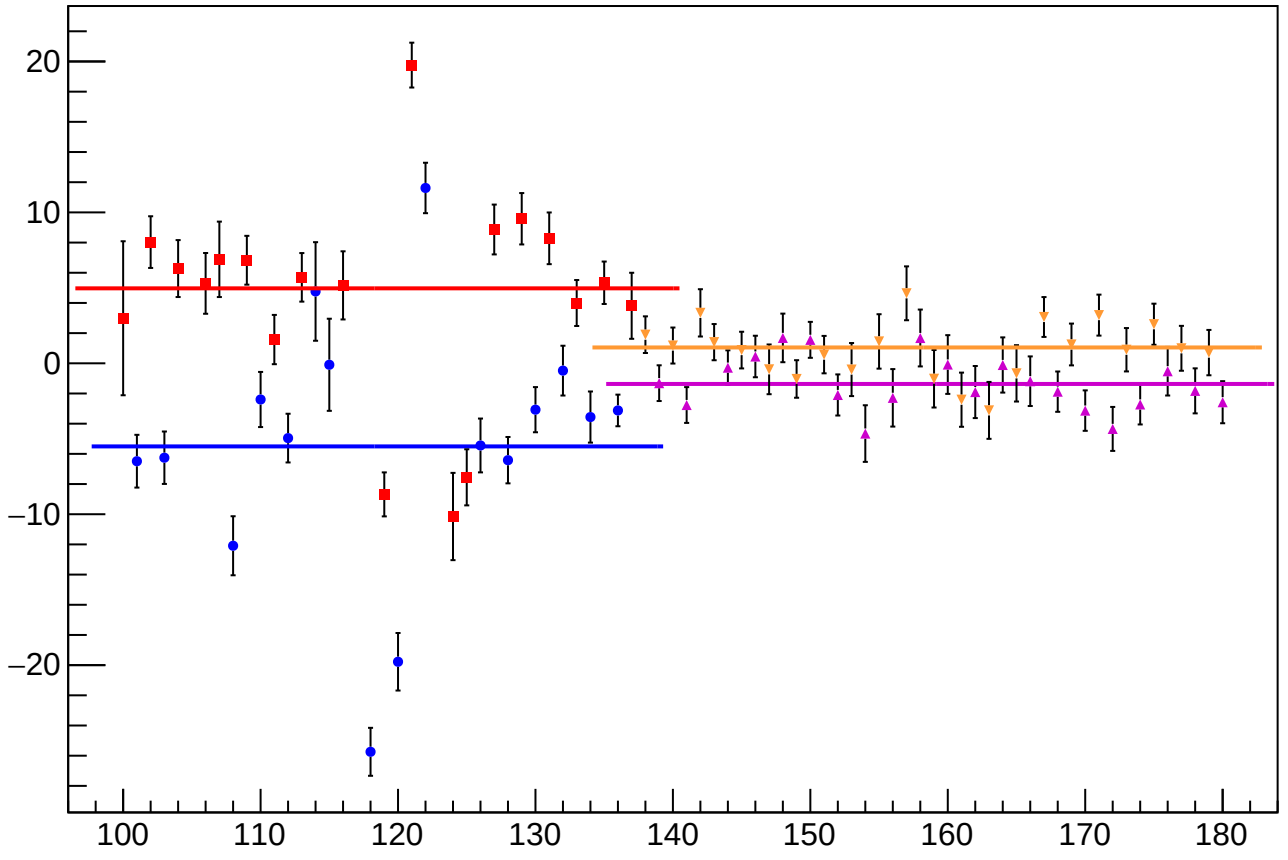
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8080.119+/-1.391 χ^2/NDF:358404.4/20

+ sign 8074.062+/-1.161 χ^2/NDF: 622986.7/37

All: 8035.583+/-0.817 χ^2/NDF: 1417678.8/77

- 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: 1.050+/-0.309 χ^2/NDF:28.1/21

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

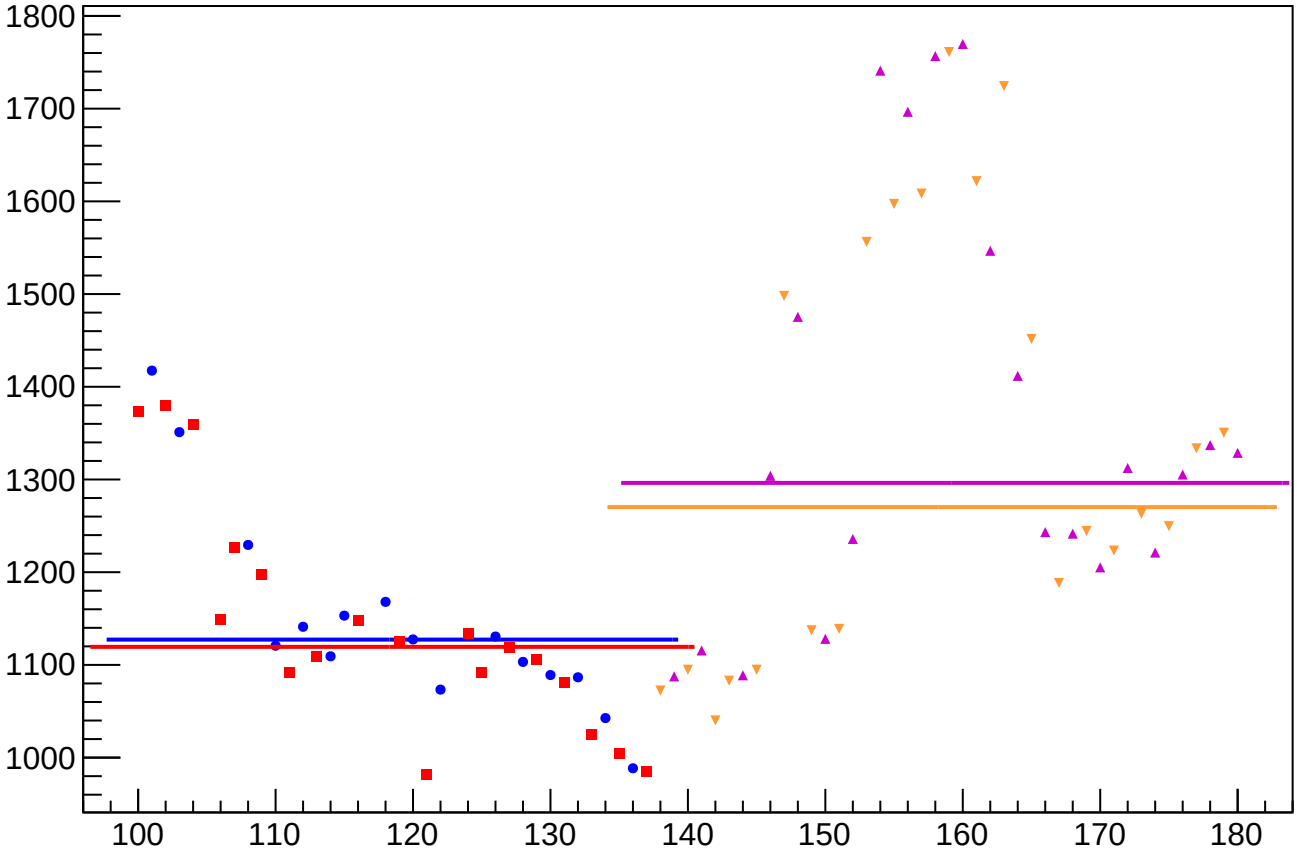
Left In: -1.368+/-0.317 χ^2/NDF:29.1/20

+ sign -1.245+/-0.249 χ^2/NDF: 555.6/37

All: -0.131+/-0.177 χ^2/NDF: 1061.6/77

- 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: 1270.192+/-0.218 χ^2/NDF:868906.0/21

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

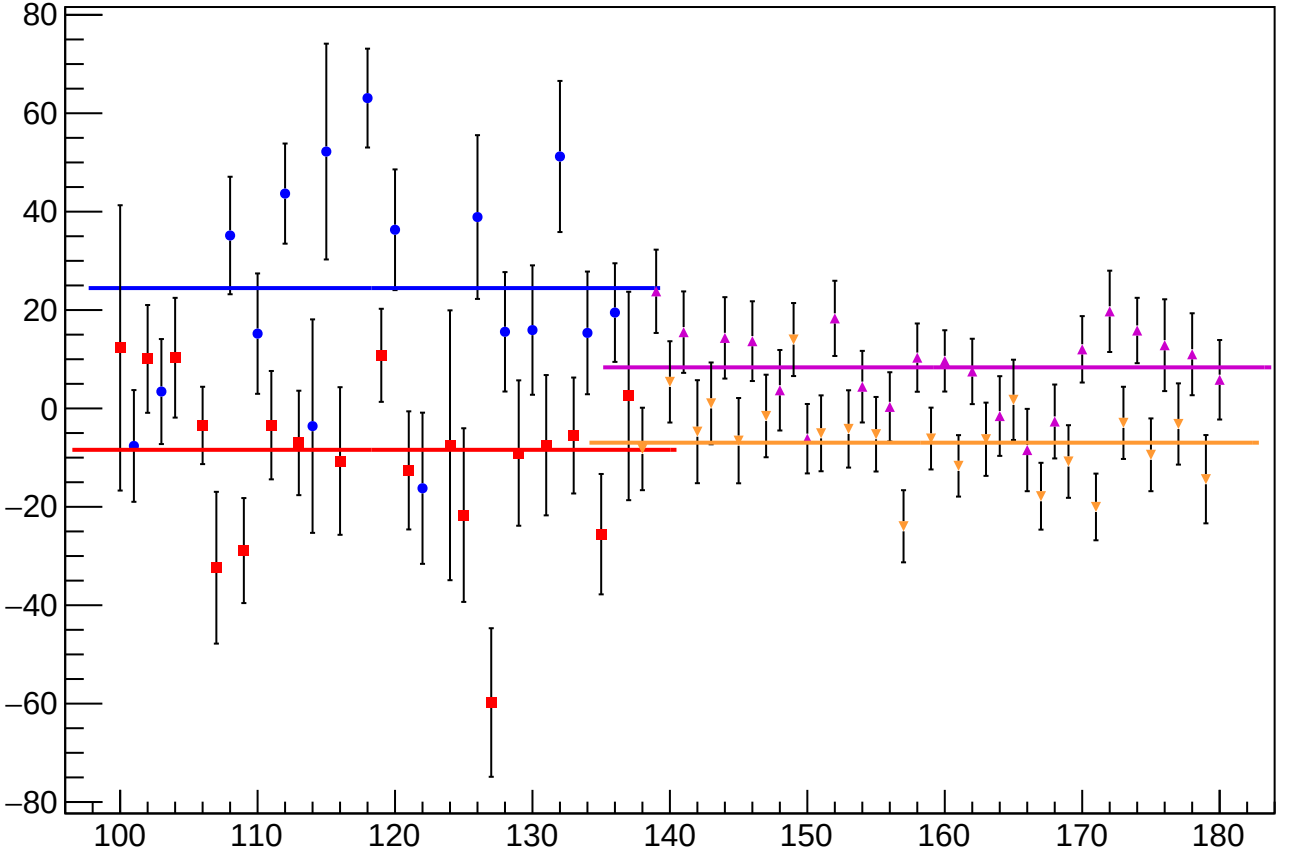
Left In: 1296.305+/-0.224 χ^2/NDF:755173.4/20

+ sign 1220.164+/-0.176 χ^2/NDF: 1159372.3/37

All: 1225.166+/-0.125 χ^2/NDF: 2289563.6/77

- 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: -6.961+/-1.629 χ^2/NDF:26.8/21

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

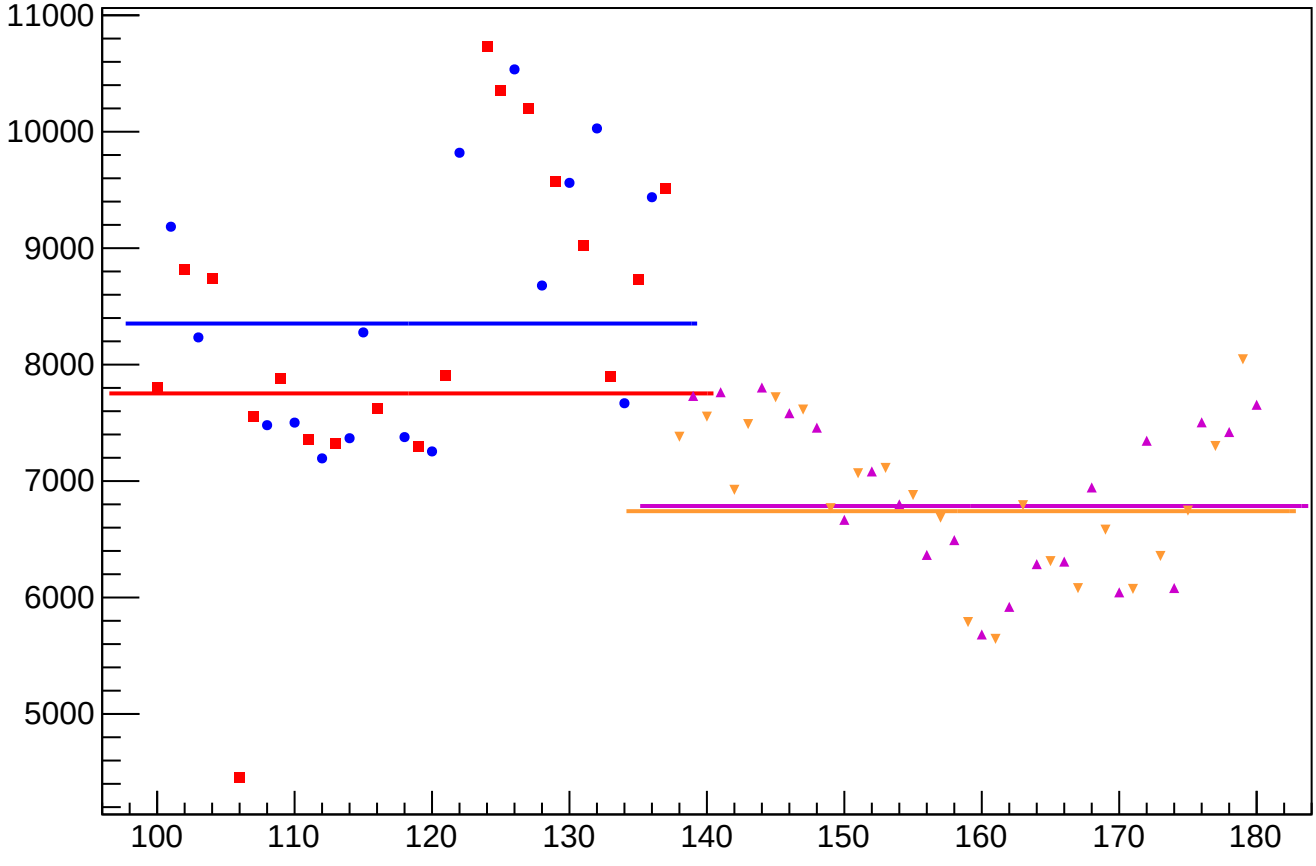
Left In: 8.352+/-1.652 χ^2/NDF:24.6/20

+ sign -0.286+/-1.445 χ^2/NDF: 154.2/37

All: 1.988+/-1.018 χ^2/NDF: 240.2/77

- 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: 6741.493+/-1.152 χ^2/NDF:313046.0/21

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

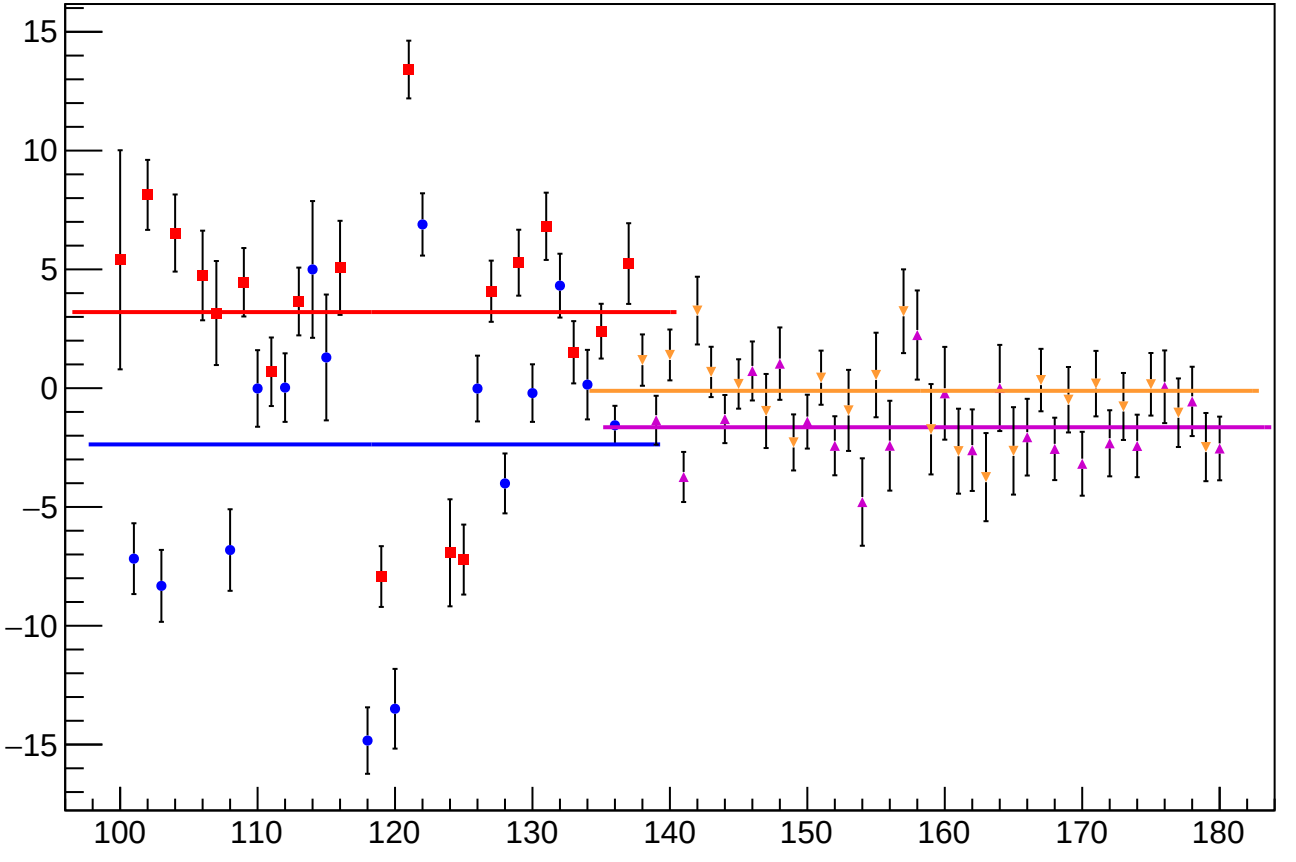
Left In: 6785.839+/-1.168 χ^2/NDF:344291.4/20

+ sign 7083.779+/-1.022 χ^2/NDF: 949234.5/37

All: 7053.565+/-0.720 χ^2/NDF: 2051965.7/77

- 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: -0.112+/-0.291 χ^2/NDF:29.7/21

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

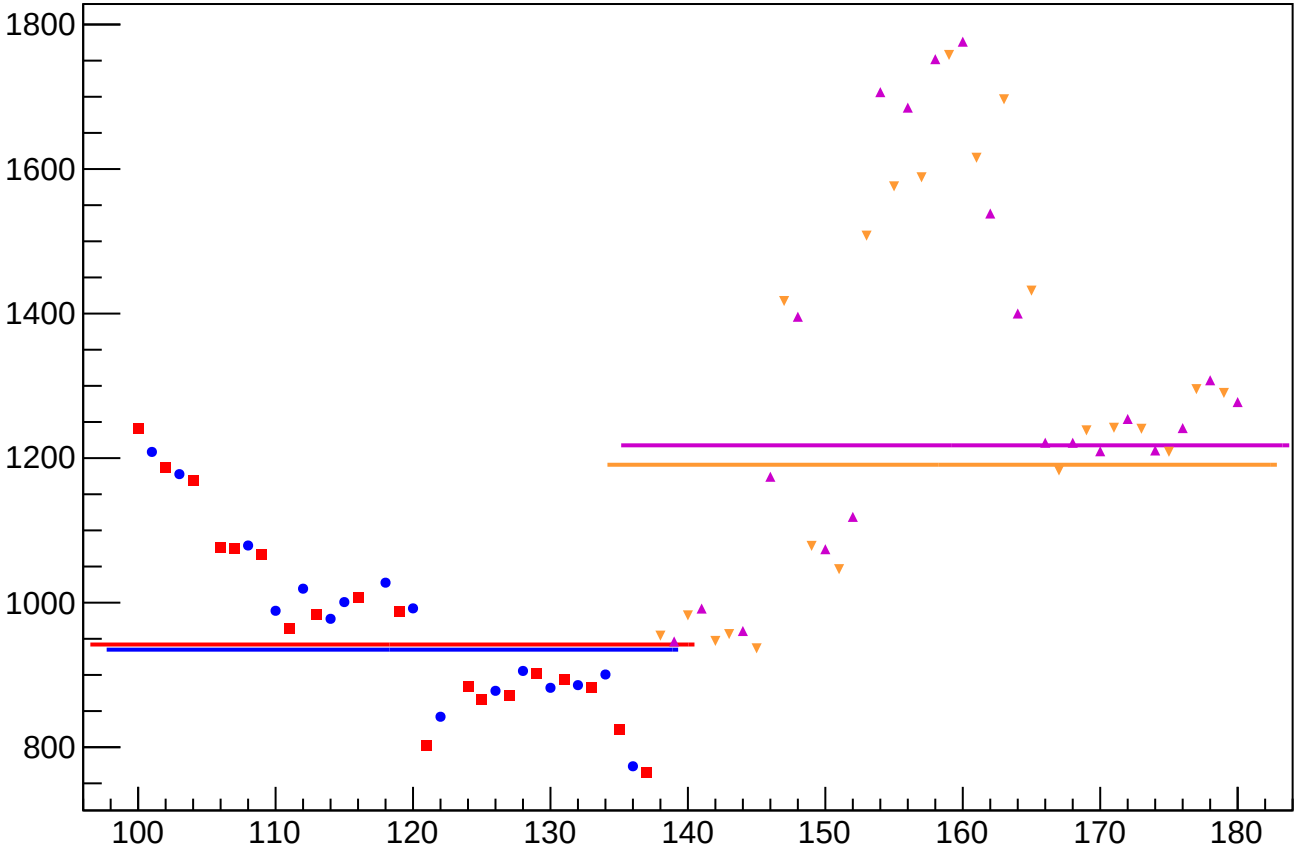
Left In: -1.644+/-0.299 χ^2/NDF:25.0/20

+ sign -1.034+/-0.224 χ^2/NDF: 309.7/37

All: -0.310+/-0.159 χ^2/NDF: 718.4/77

- 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: 1190.836+/-0.206 χ^2/NDF:1306106.2/21

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

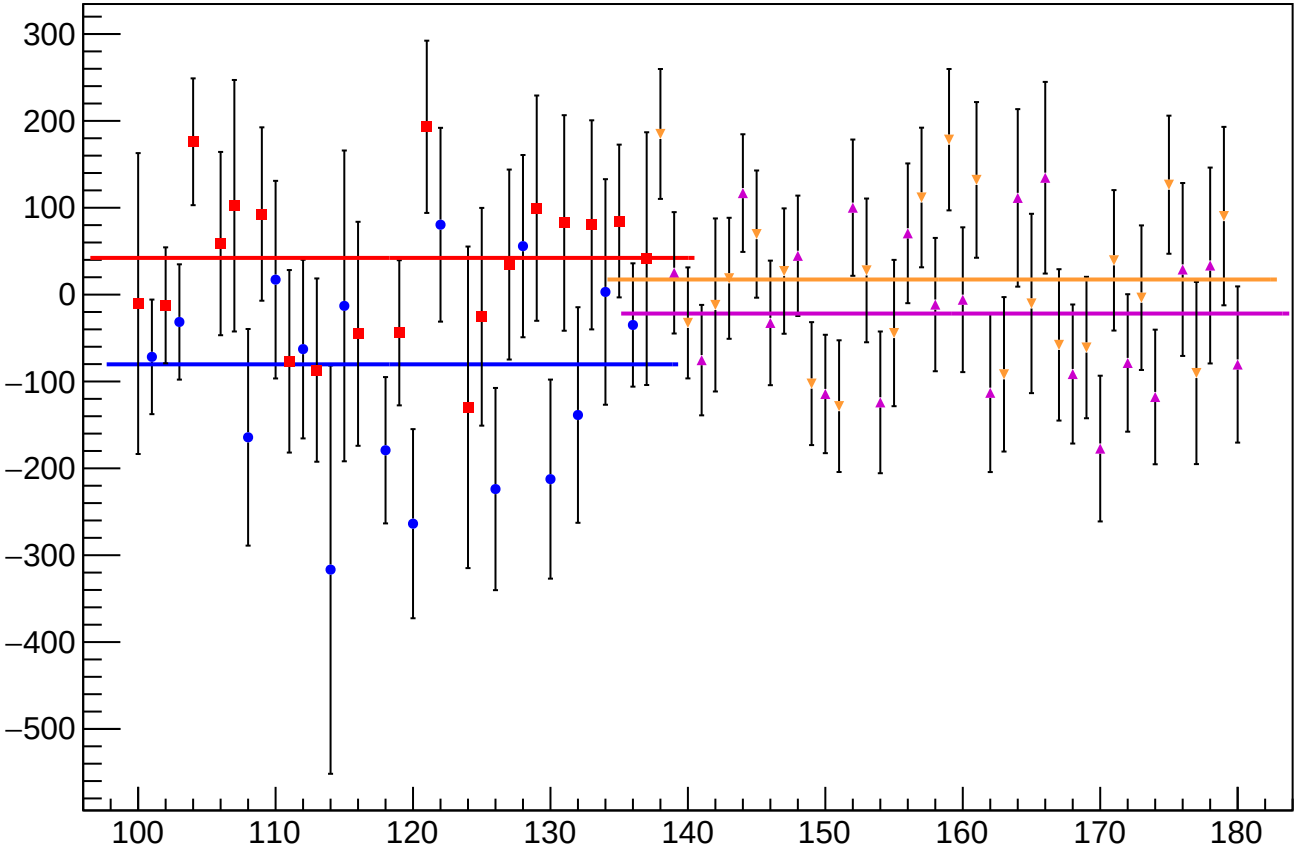
Left In: 1217.707+/-0.212 χ^2/NDF:1126699.8/20

+ sign 1086.220+/-0.158 χ^2/NDF: 2190645.0/37

All: 1092.949+/-0.113 χ^2/NDF: 4278150.1/77

- 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: 17.414+/-17.292 χ^2/NDF:27.1/21

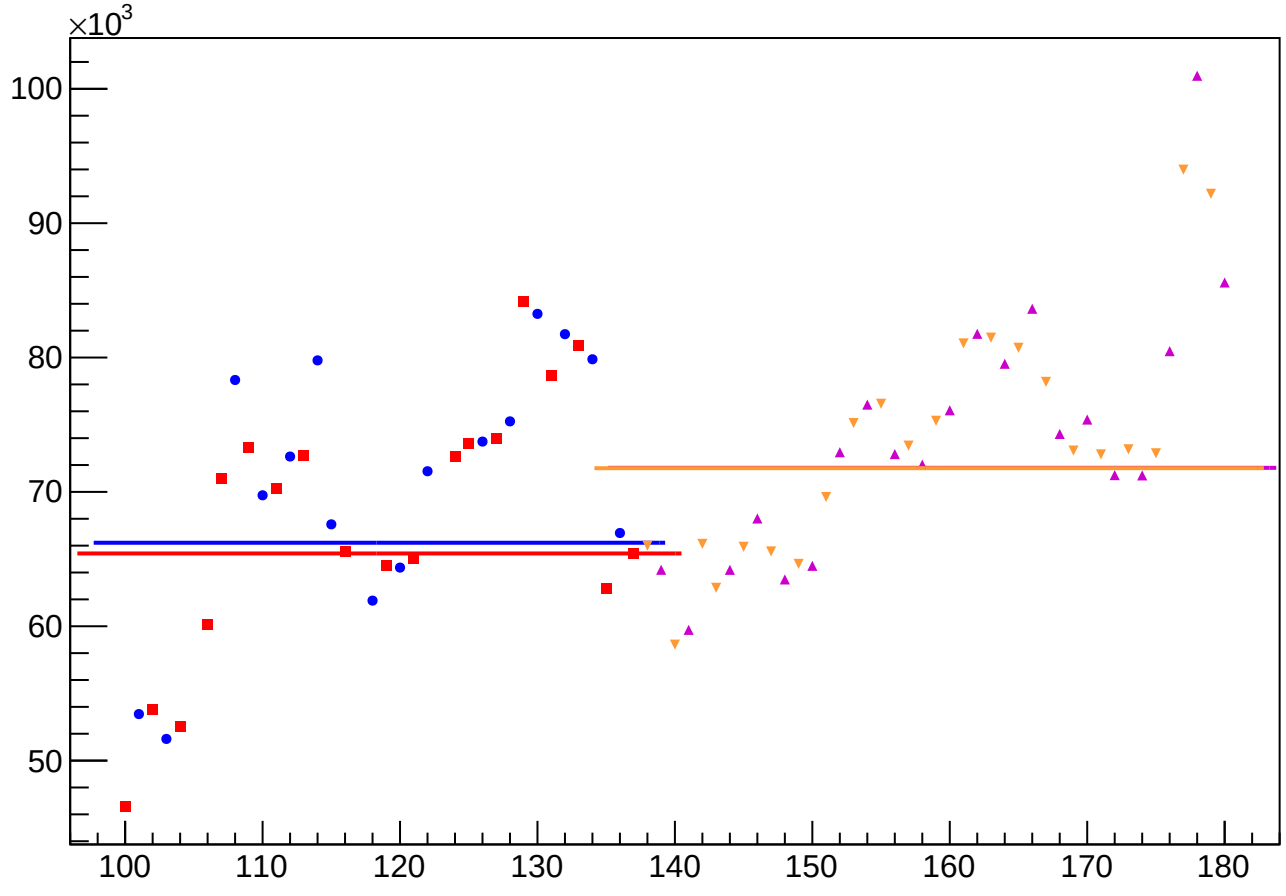
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -21.794+/-17.421 χ^2/NDF:25.4/20

+ sign -14.346+/-14.205 χ^2/NDF: 52.3/37

All: -7.065+/-10.017 χ^2/NDF: 95.8/77

- 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: 71764.183+/-12.227 χ^2/NDF:441207.4/21

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

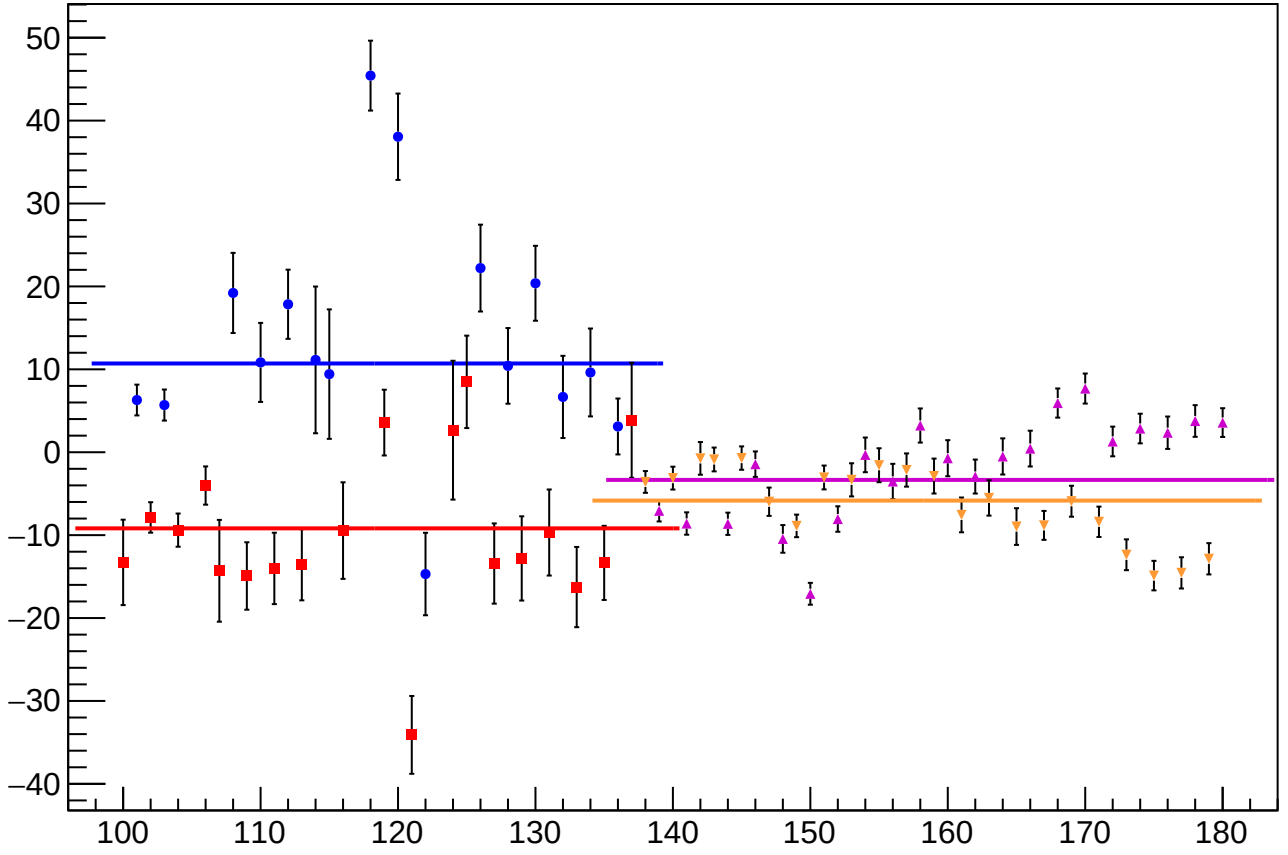
Left In: 71791.326+/-12.318 χ^2/NDF:451106.9/20

+ sign 69959.953+/-10.044 χ^2/NDF: 846539.2/37

All: 69783.795+/-7.083 χ^2/NDF: 1694445.2/7

- 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: -5.832+/-0.367 χ^2/NDF:139.7/21

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

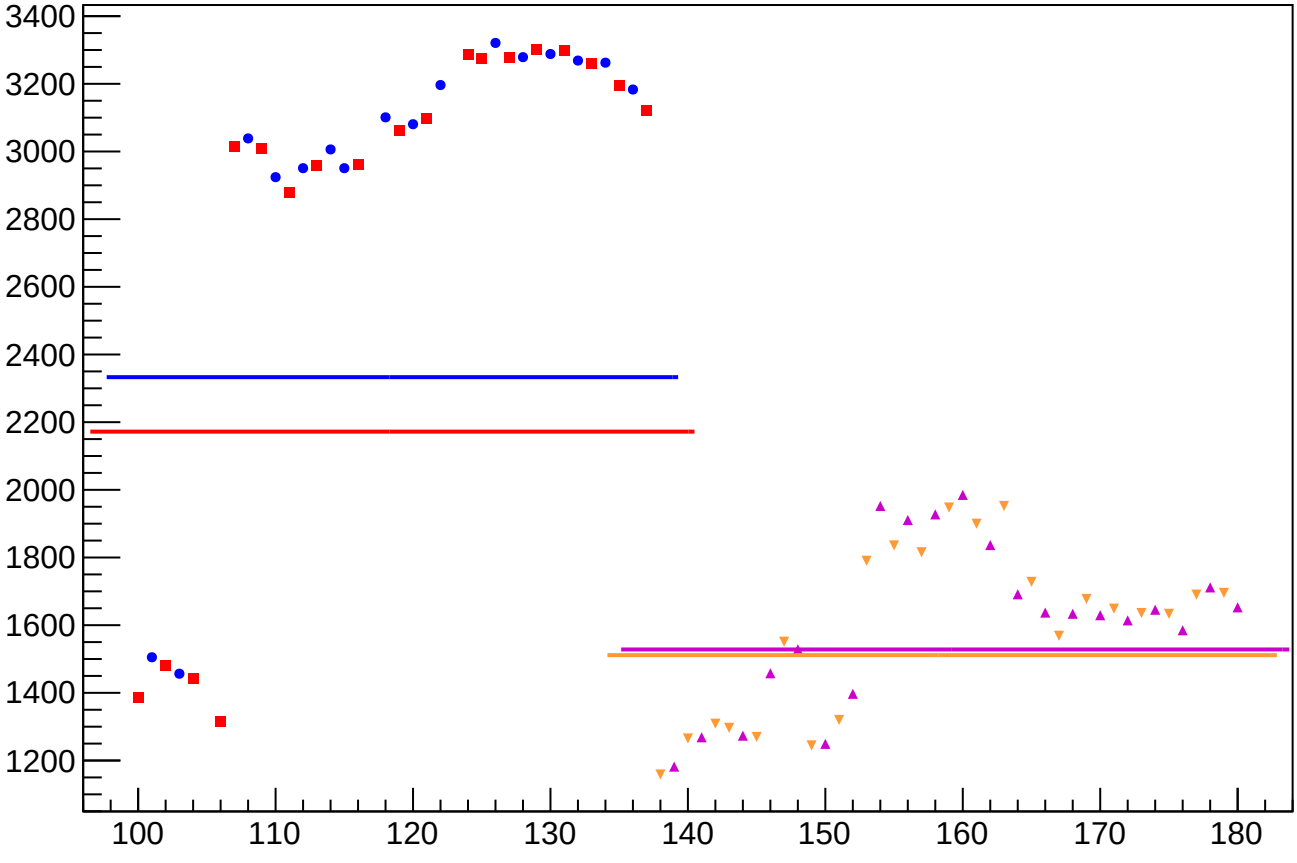
Left In: -3.338+/-0.373 χ^2/NDF:316.9/20

+ sign -3.561+/-0.341 χ^2/NDF: 573.7/37

All: -3.921+/-0.241 χ^2/NDF: 1001.9/77

- 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: 1511.368+/-0.260 χ^2/NDF:925279.2/21

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

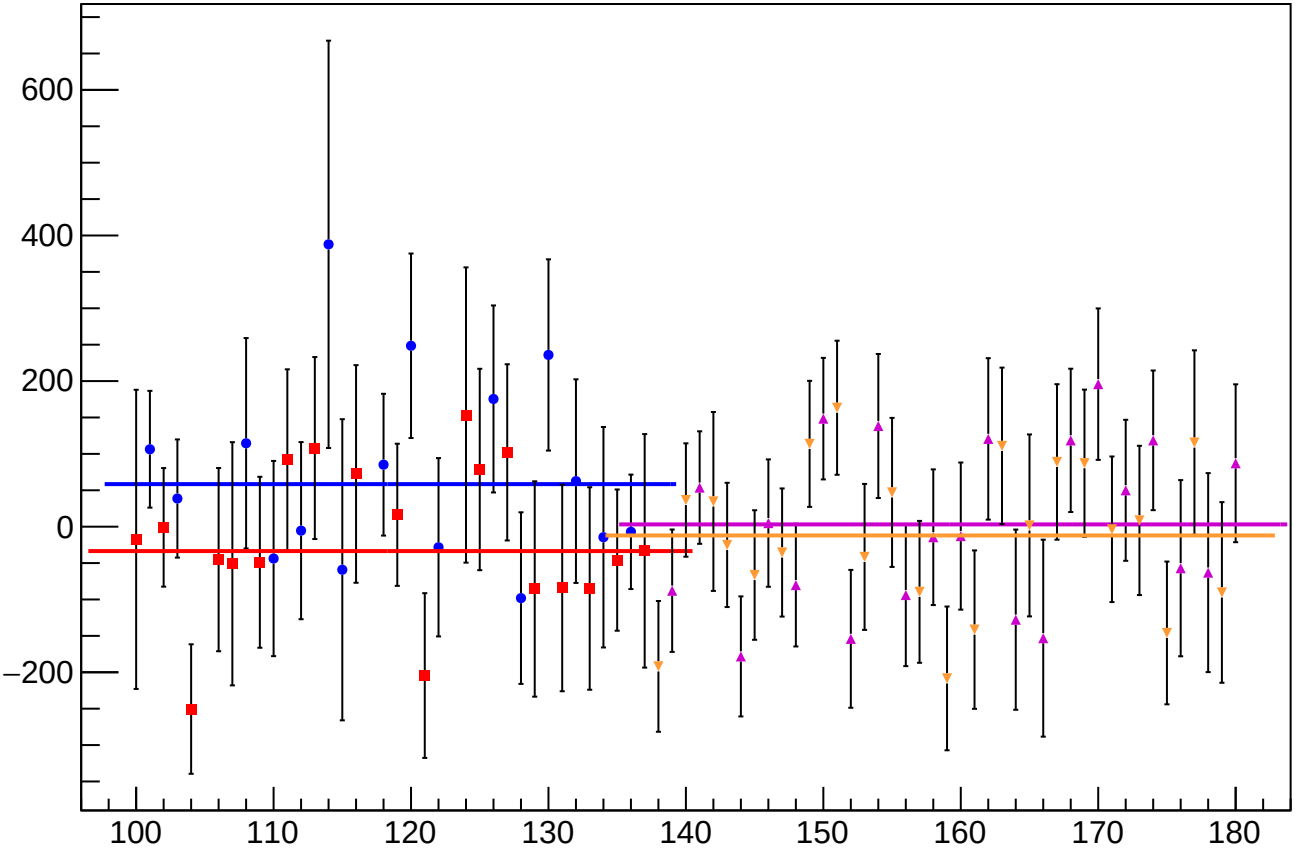
Left In: 1528.195+/-0.264 χ^2/NDF:827666.9/20

+ sign 1624.167+/-0.241 χ^2/NDF: 3951300.4/37

All: 1628.254+/-0.171 χ^2/NDF: 7725293.7/77

- 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: -12.071+/-21.087 χ^2/NDF:23.7/21

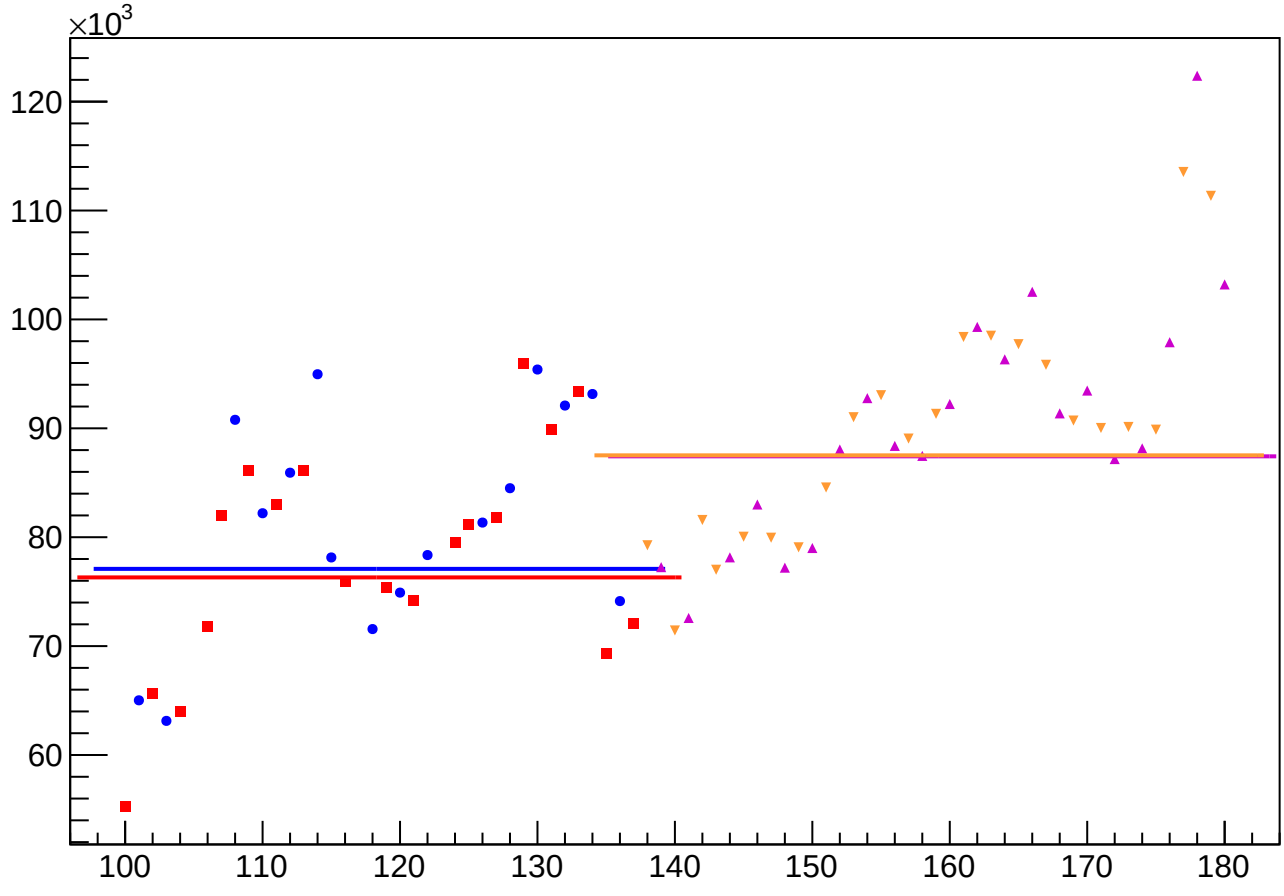
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 3.128+/-21.217 χ^2/NDF:27.3/20

+ sign 12.409+/-17.038 χ^2/NDF: 38.9/37

All: 1.047+/-12.011 χ^2/NDF: 82.8/77

- 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: 87518.125+/-14.911 χ^2/NDF:429077.2/21

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

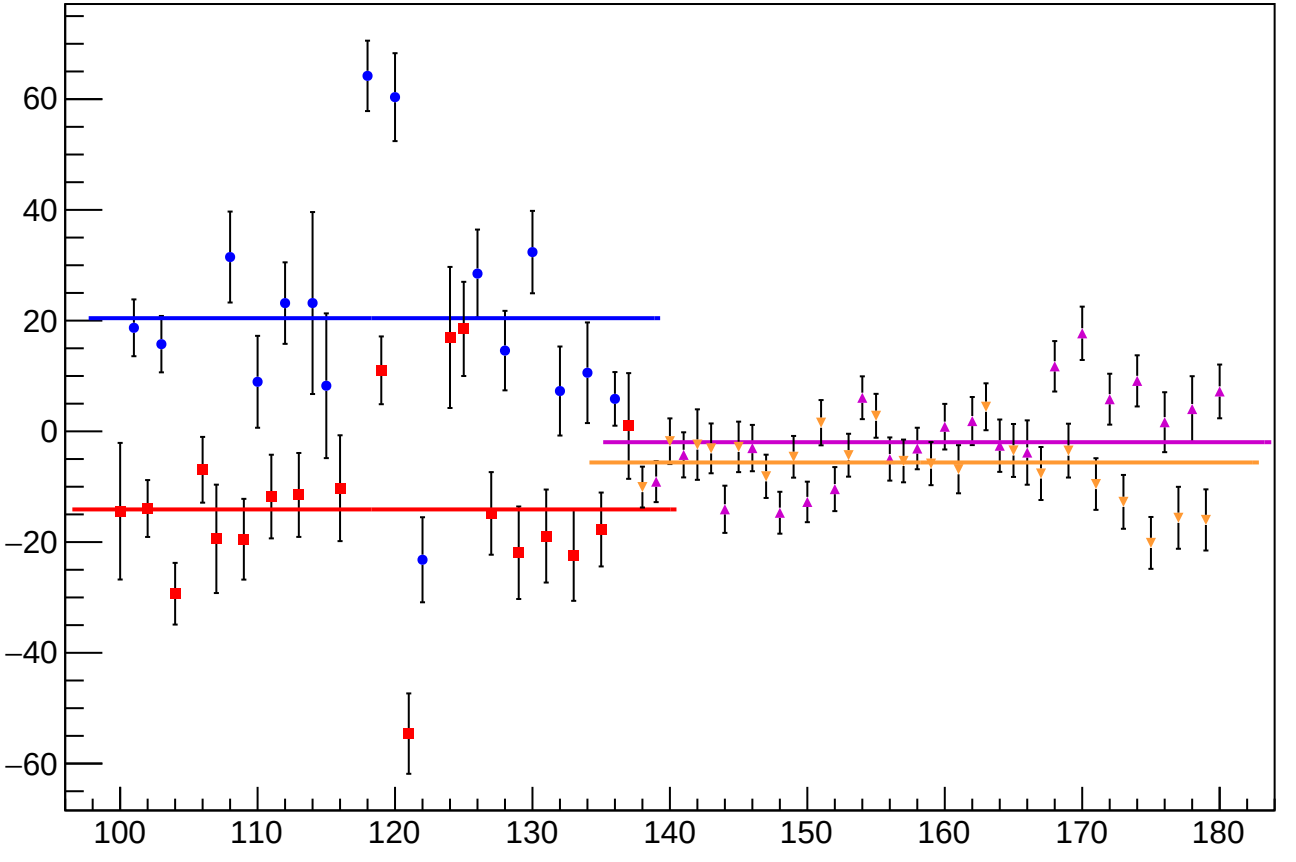
Left In: 87426.954+/-15.003 χ^2/NDF:450435.4/20

+ sign 83899.036+/-12.048 χ^2/NDF: 847314.5/37

All: 83643.435+/-8.493 χ^2/NDF: 1732444.3/7

- 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: -5.620+/-0.932 χ^2/NDF:37.0/21

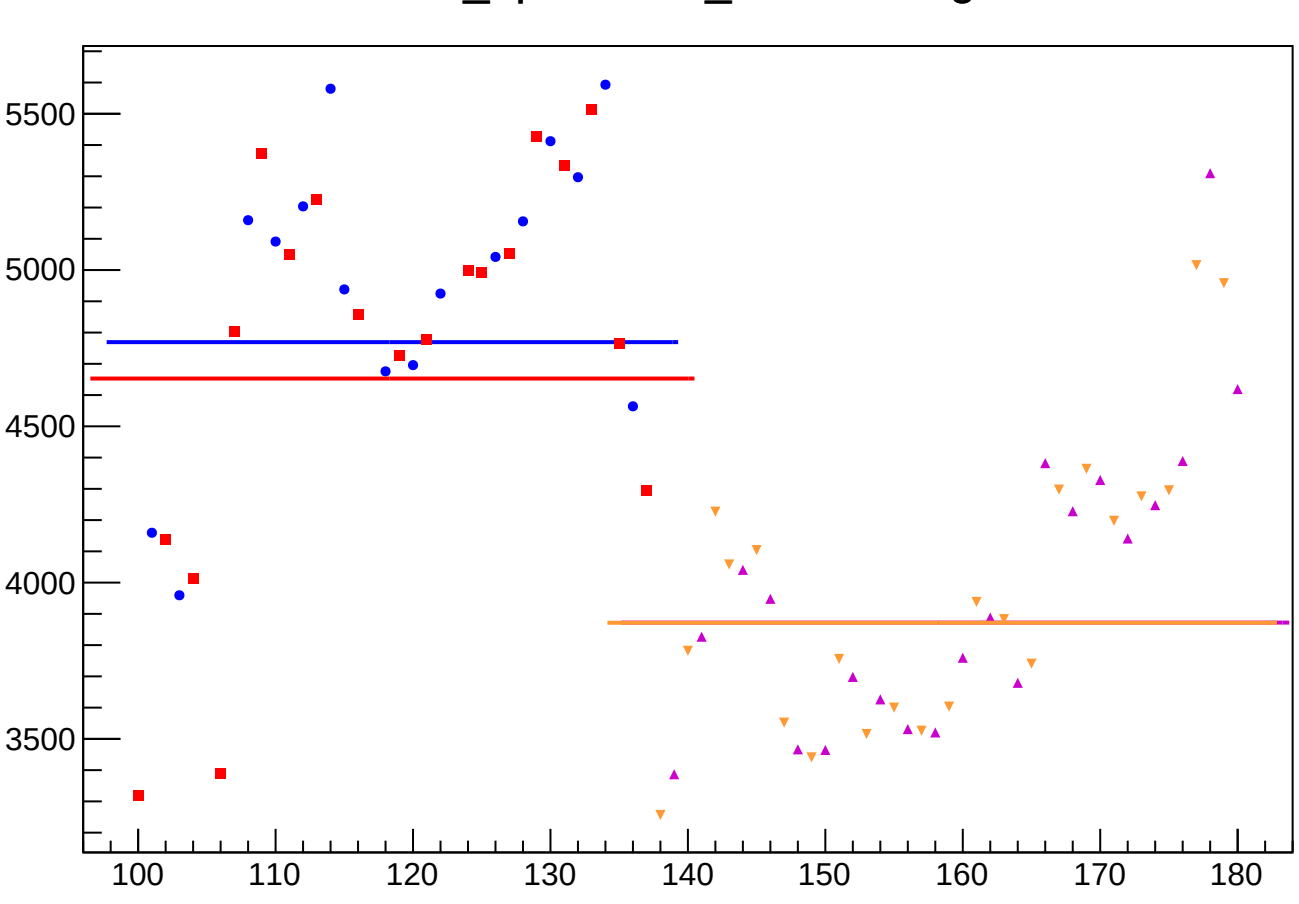
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -1.959+/-0.939 χ^2/NDF:82.5/20

+ sign -0.019+/-0.826 χ^2/NDF: 332.7/37

All: -2.399+/-0.583 χ^2/NDF: 554.1/77

- 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: 3871.585+/-0.659 χ^2/NDF:403578.3/21

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

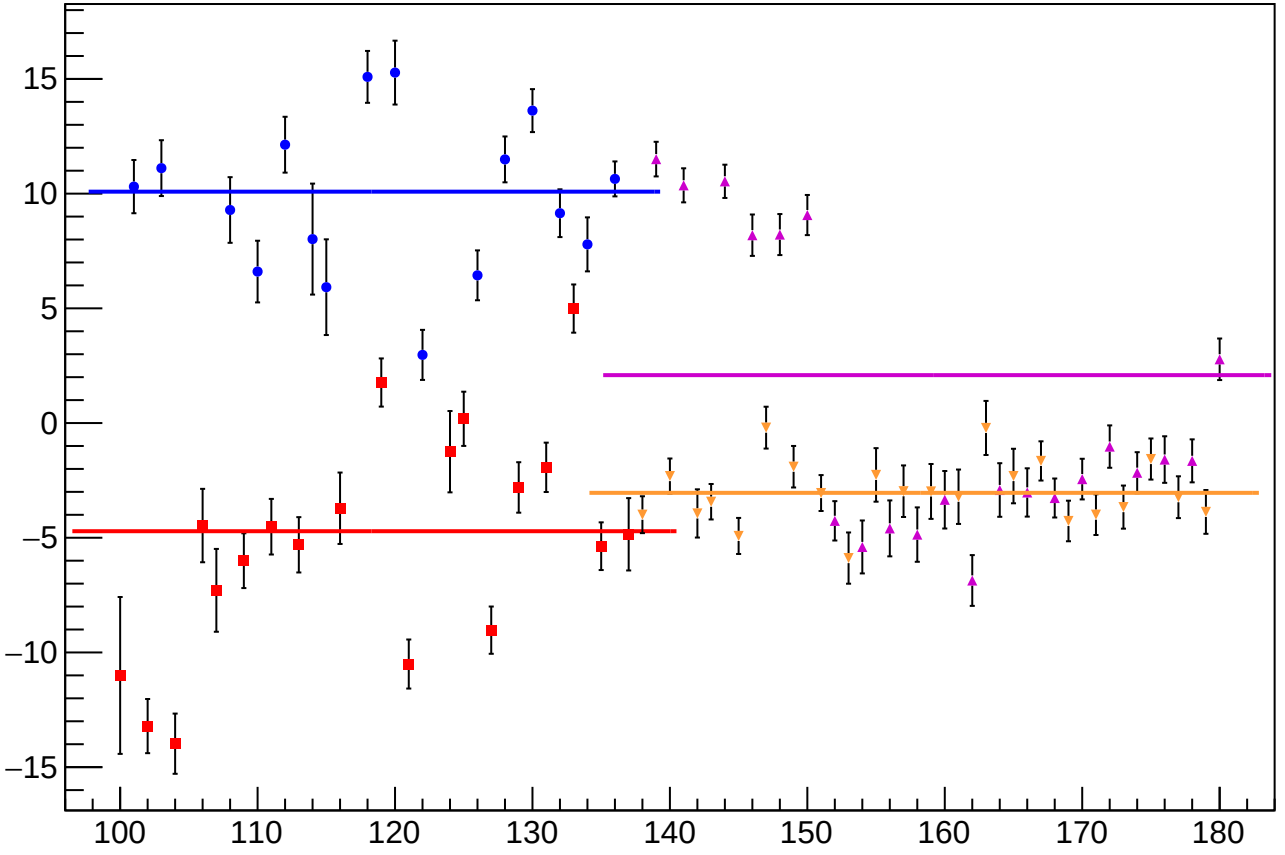
Left In: 3872.089+/-0.664 χ^2/NDF:384687.5/20

+ sign 4064.531+/-0.584 χ^2/NDF: 953823.4/37

All: 4058.479+/-0.412 χ^2/NDF: 1923190.6/77

- 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: -3.042+/-0.199 χ^2/NDF:43.1/21

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

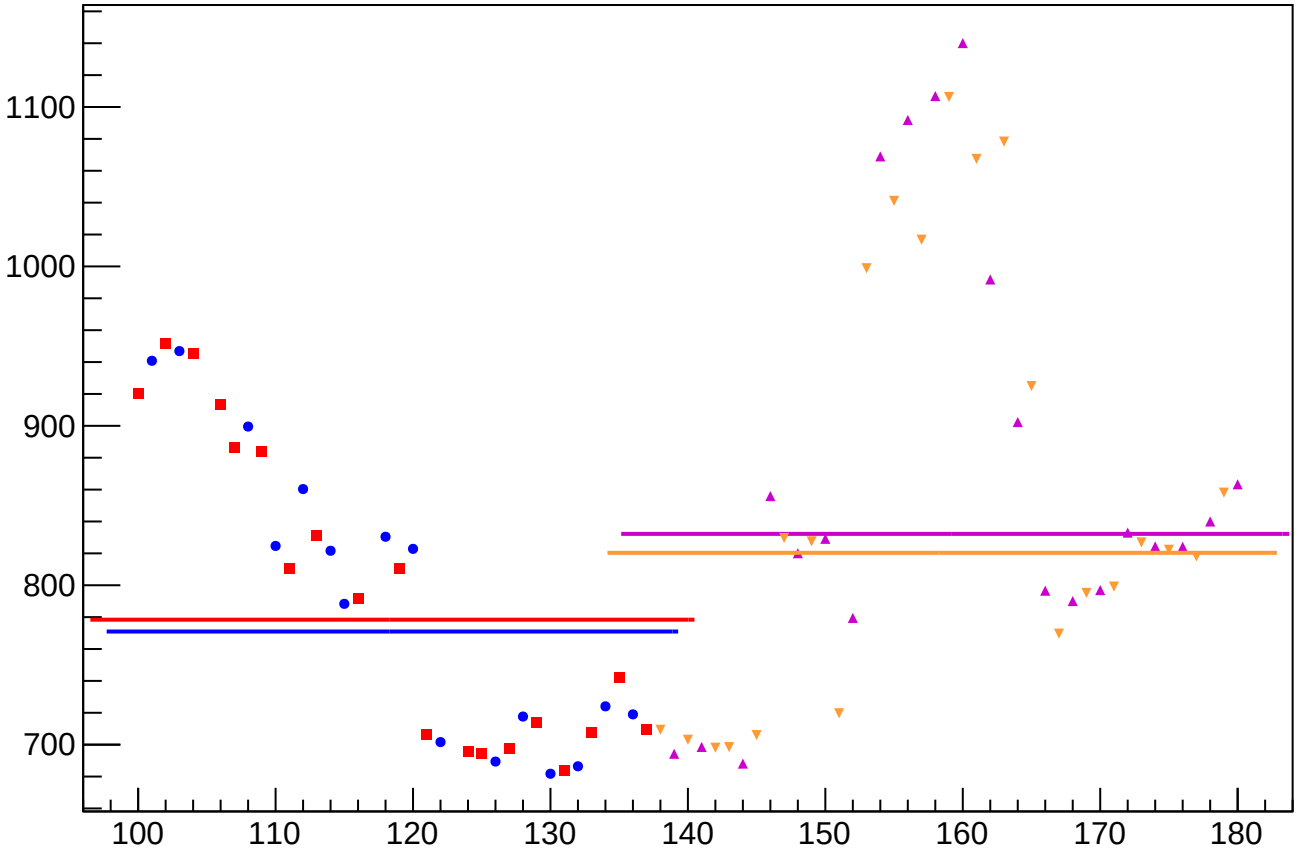
Left In: 2.088+/-0.203 χ^2/NDF:988.8/20

+ sign 1.191+/-0.164 χ^2/NDF: 1571.3/37

All: 0.506+/-0.116 χ^2/NDF: 3282.4/77

- sign -0.195+/-0.166 χ^2/NDF: 1675.6/39

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.361+/-0.141 χ^2/NDF:746659.0/21

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

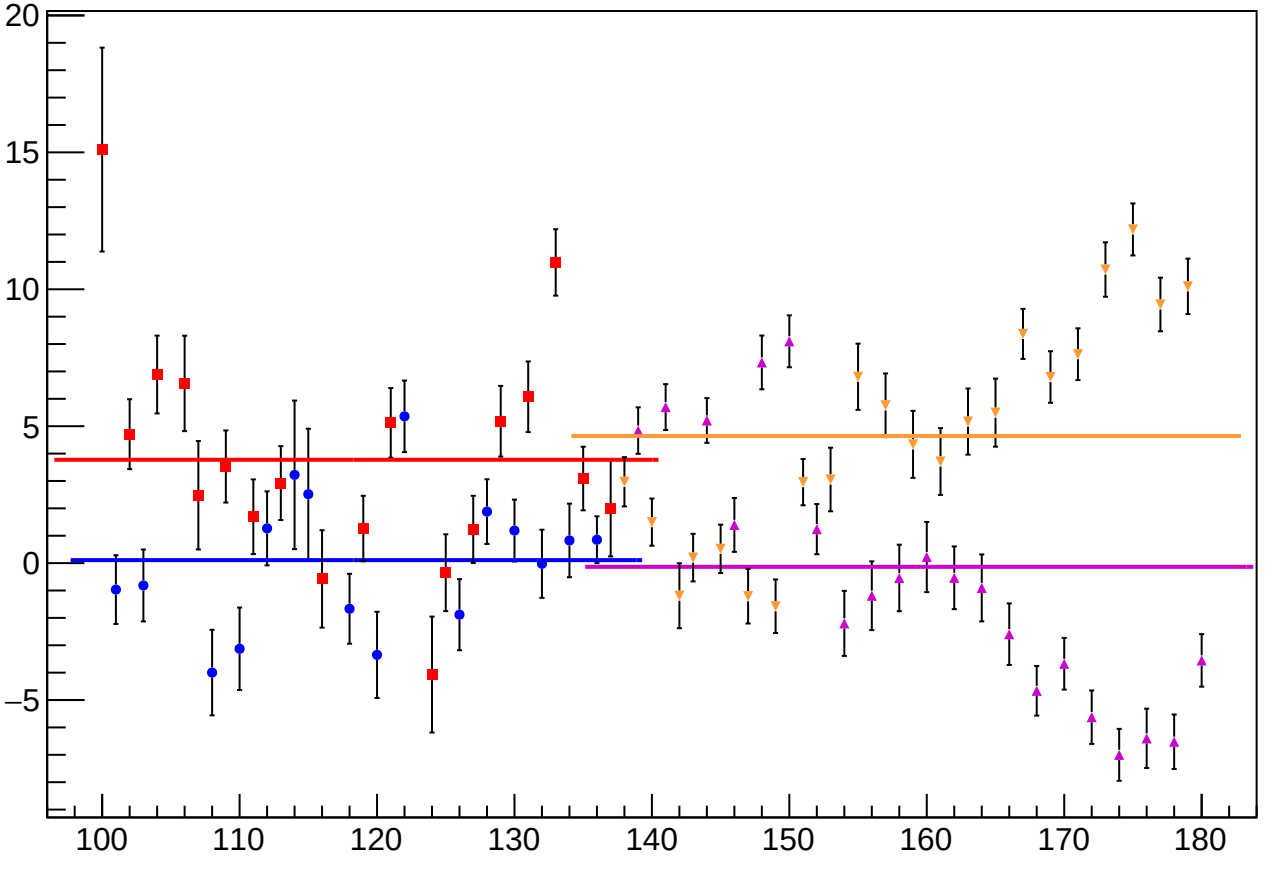
Left In: 832.226+/-0.144 χ^2/NDF:684780.2/20

\+ sign 804.436+/-0.116 χ^2/NDF: 979316.7/37

All: 809.245+/-0.082 χ^2/NDF: 1911285.1/77

\- 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: 4.641+/-0.214 χ^2/NDF:360.6/21

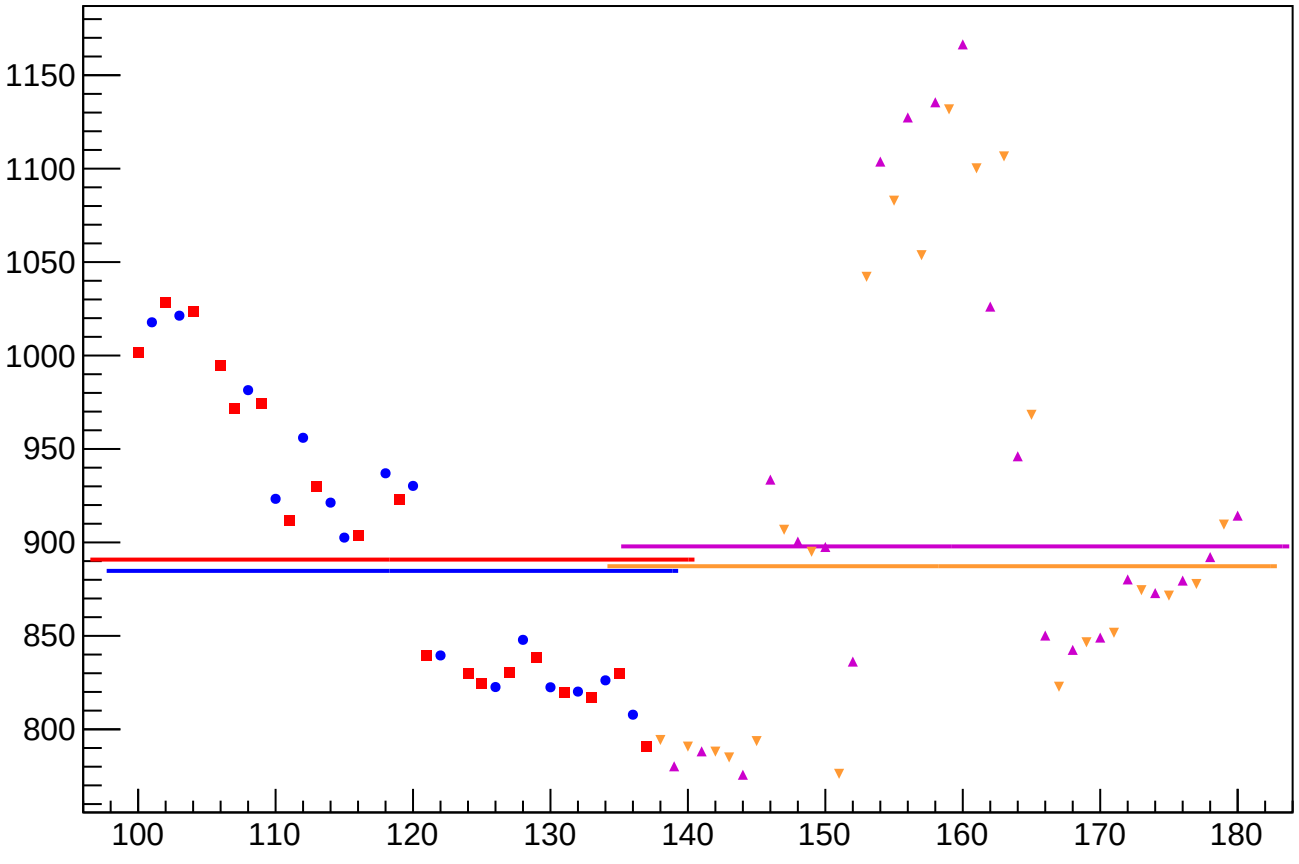
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -0.135+/-0.218 χ^2/NDF:483.3/20

+ sign 3.297+/-0.180 χ^2/NDF: 538.7/37

All: 2.196+/-0.128 χ^2/NDF: 1296.6/77

- sign 1.074+/-0.181 χ^2/NDF: 682.1/39



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 887.266+/-0.152 χ^2/NDF:508714.5/21

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

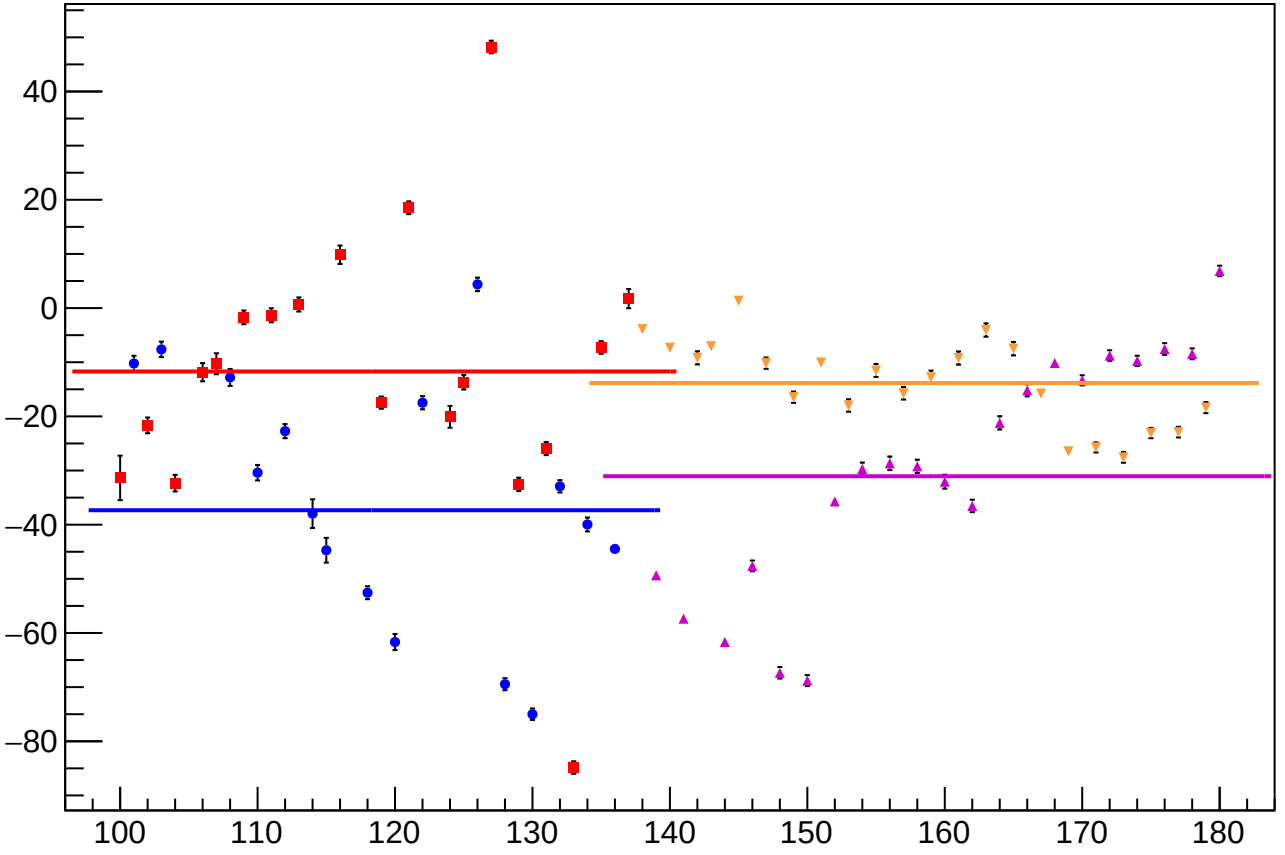
Left In: 897.874+/-0.154 χ^2/NDF:468433.8/20

\+ sign 886.527+/-0.127 χ^2/NDF: 613289.0/37

All: 891.066+/-0.090 χ^2/NDF: 1192709.8/77

\- 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: -13.830+/-0.216 χ^2/NDF:1435.5/21

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

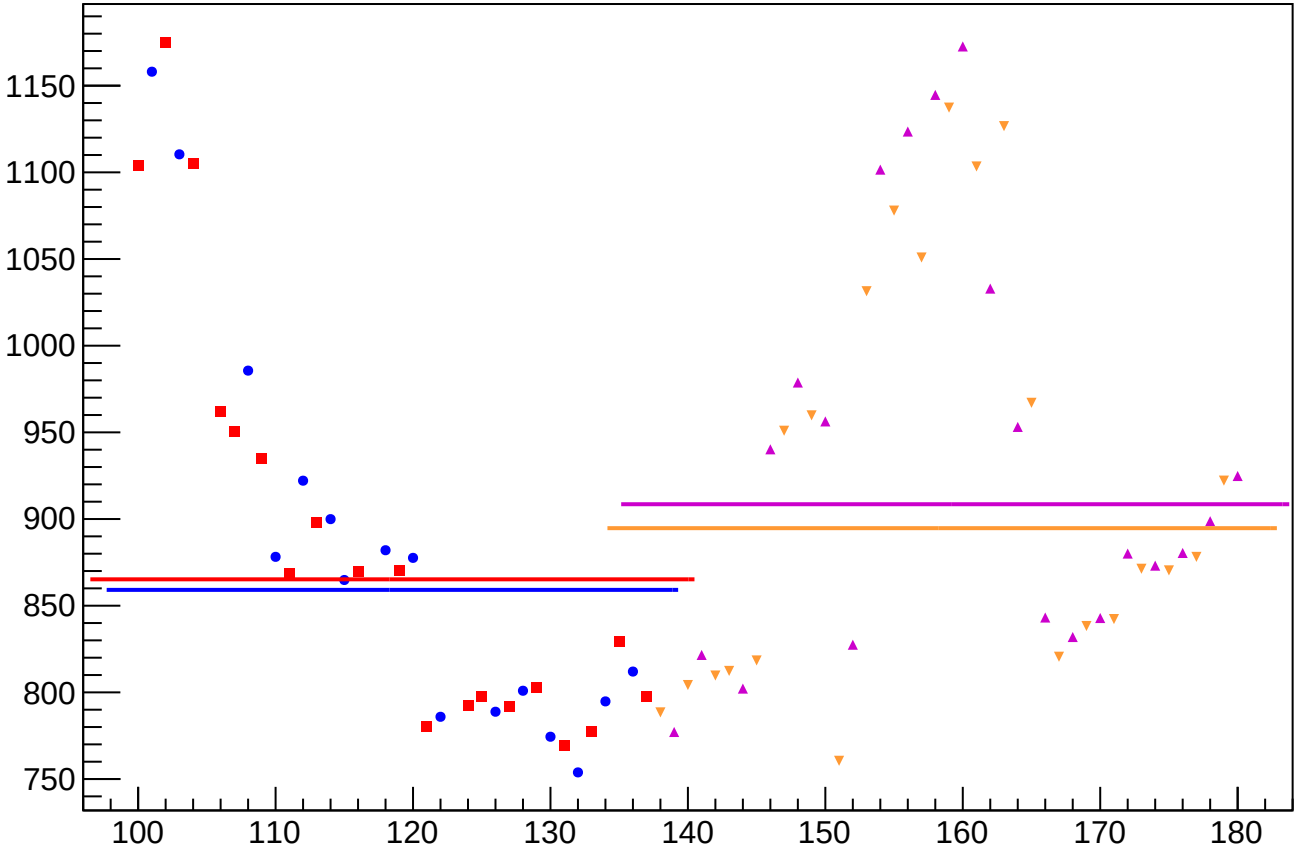
Left In: -31.052+/-0.221 χ^2/NDF:10278.3/20

+ sign -21.137+/-0.179 χ^2/NDF: 10296.3/37

All: -22.925+/-0.128 χ^2/NDF: 31736.5/77

- 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: 894.728+/-0.153 χ^2/NDF:511984.6/21

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

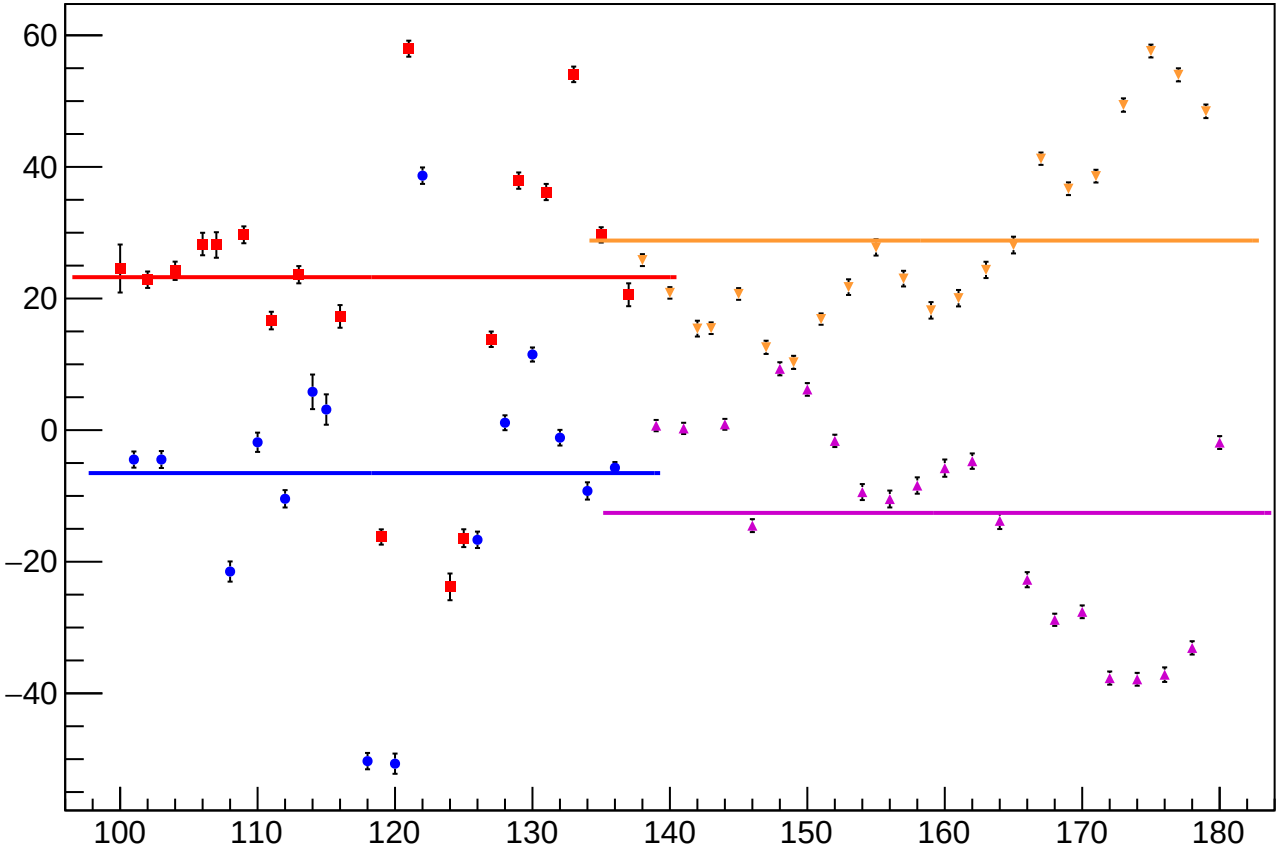
Left In: 908.538+/-0.156 χ^2/NDF:464949.4/20

\+ sign 883.657+/-0.127 χ^2/NDF: 757569.0/37

All: 888.985+/-0.090 χ^2/NDF: 1474804.8/77

\- 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: 28.809+/-0.219 χ^2/NDF:4136.4/21

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

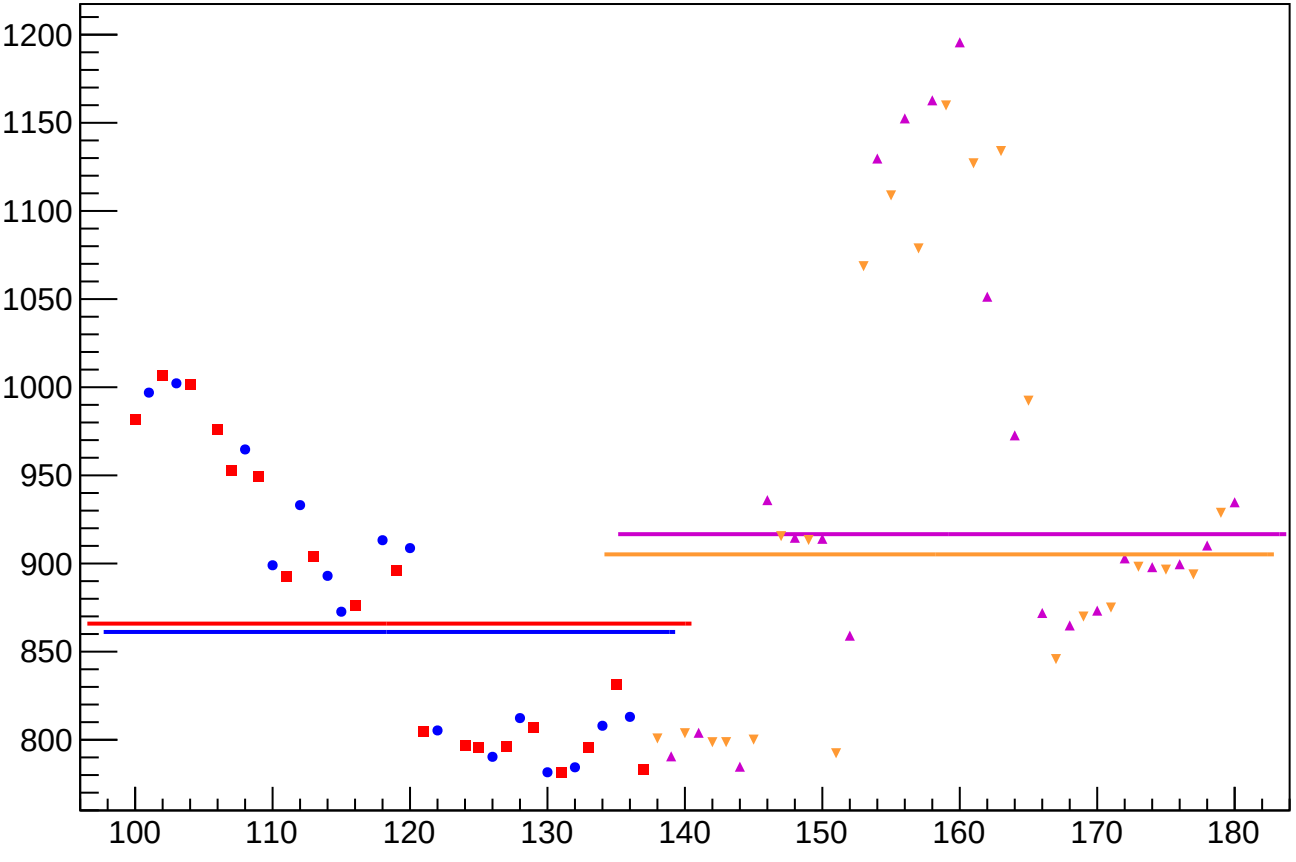
Left In: -12.578+/-0.223 χ^2/NDF:4764.1/20

+ sign 17.618+/-0.181 χ^2/NDF: 16353.7/37

All: 8.522+/-0.128 χ^2/NDF: 39243.0/77

- 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: 905.186+/-0.155 χ^2/NDF:532356.1/21

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

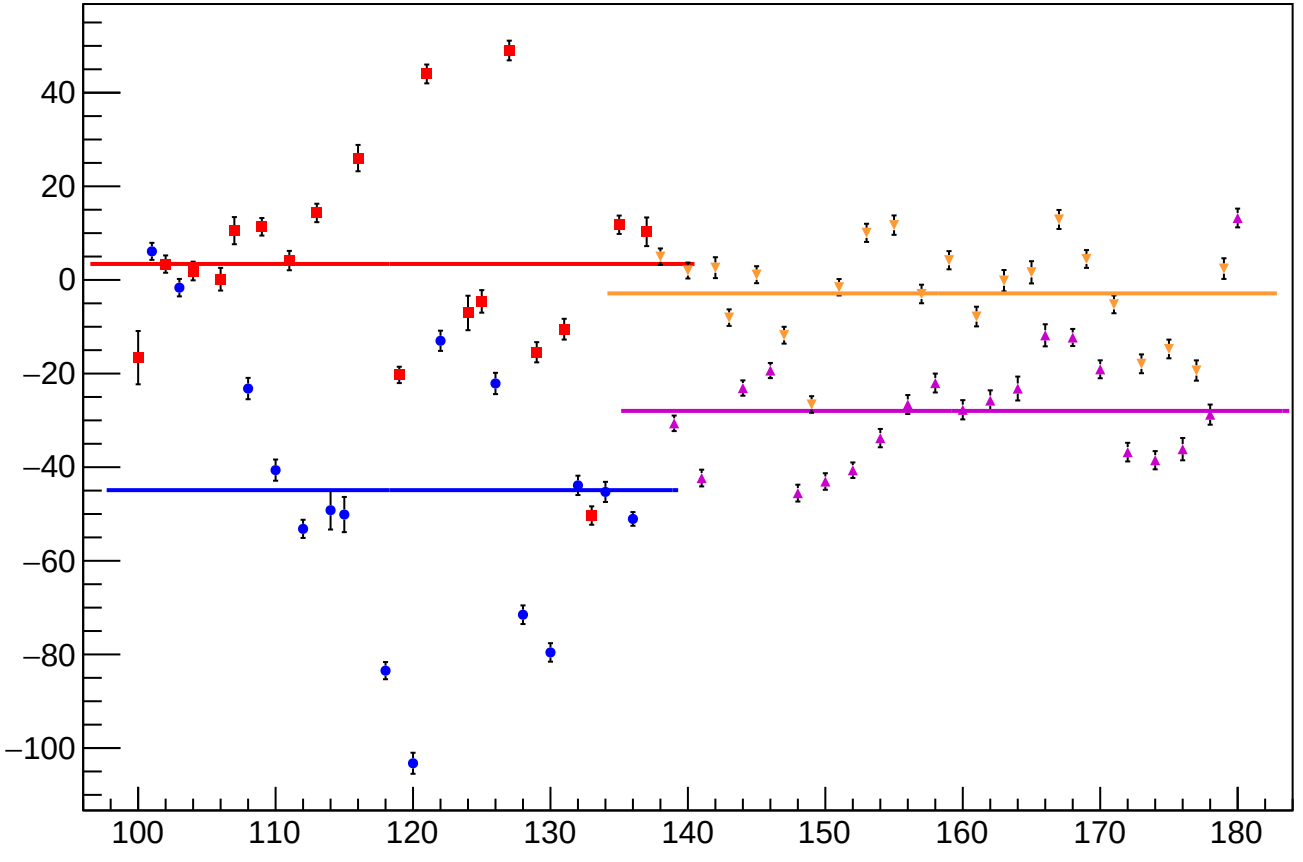
Left In: 916.646+/-0.158 χ^2/NDF:480551.7/20

+ sign 891.247+/-0.128 χ^2/NDF: 671551.9/37

All: 895.520+/-0.091 χ^2/NDF: 1307065.7/77

- 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: -2.873+/-0.416 χ^2/NDF:601.0/21

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

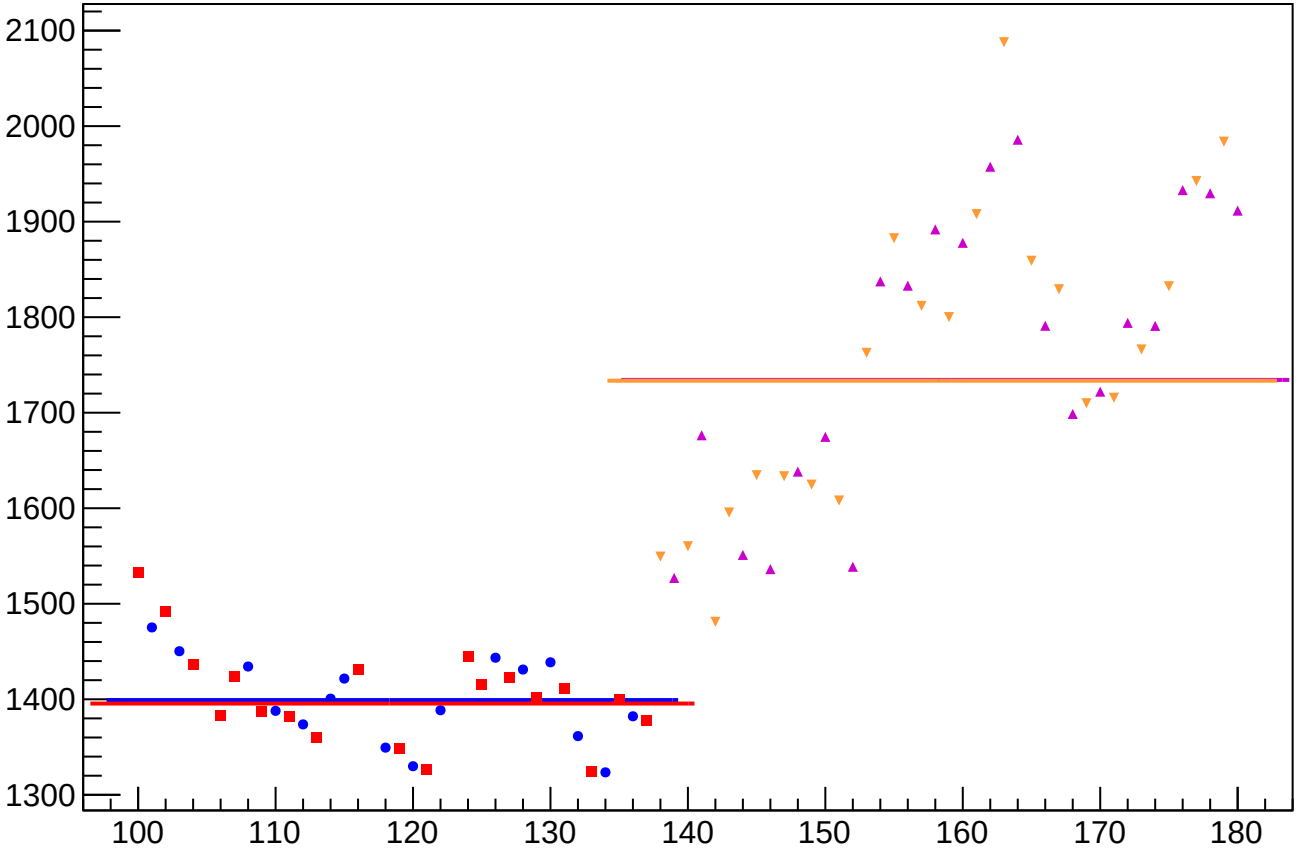
Left In: -27.974+/-0.420 χ^2/NDF:978.1/20

+ sign -19.288+/-0.325 χ^2/NDF: 7962.1/37

All: -17.277+/-0.229 χ^2/NDF: 13382.4/77

- 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: 1733.489+/-0.294 χ^2/NDF:249334.4/21

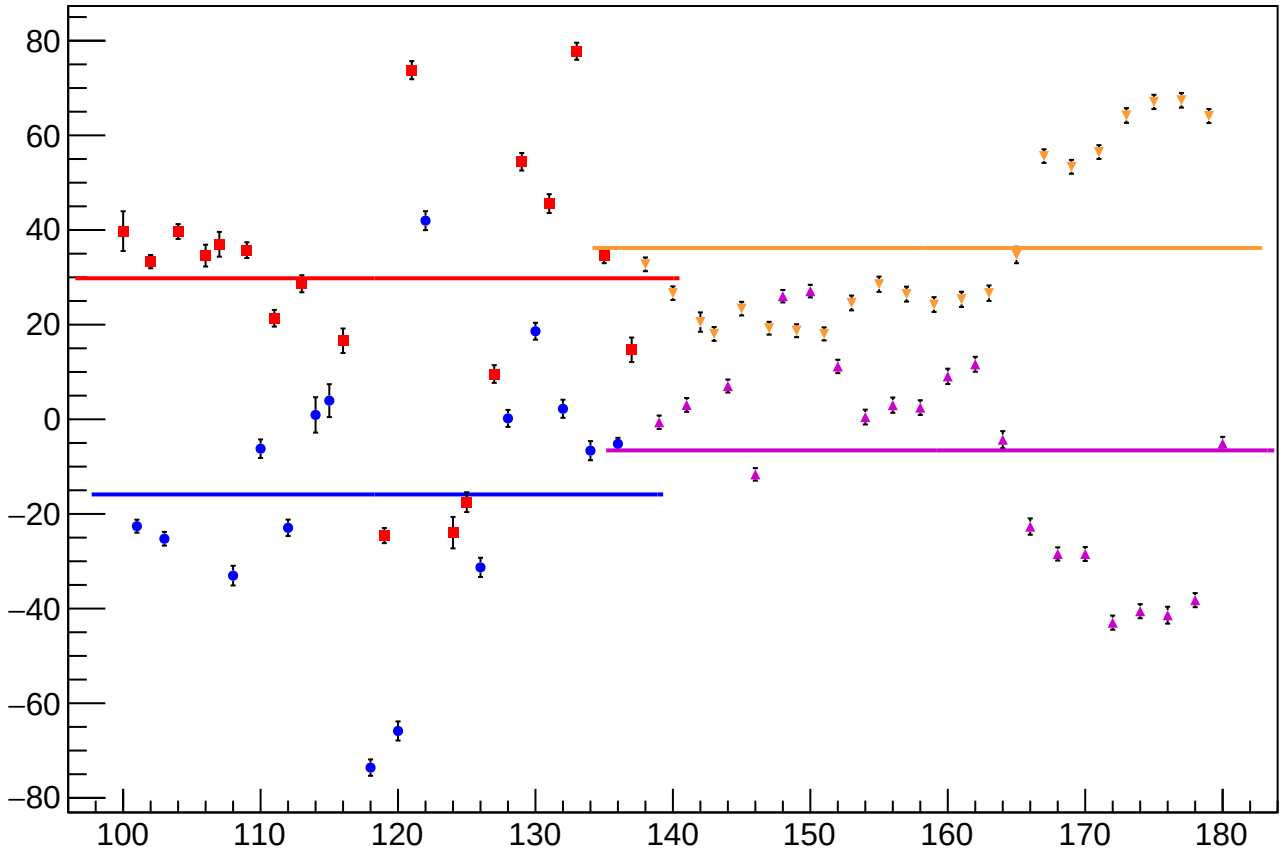
Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1734.327+/-0.297 χ^2/NDF:247951.9/20

+ sign 1602.923+/-0.230 χ^2/NDF: 768205.0/37

All: 1600.109+/-0.162 χ^2/NDF: 1560049.6/77

- sign 1597.314+/-0.229 χ^2/NDF: 791545.5/39



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 36.210+/-0.324 χ^2/NDF:3089.3/21

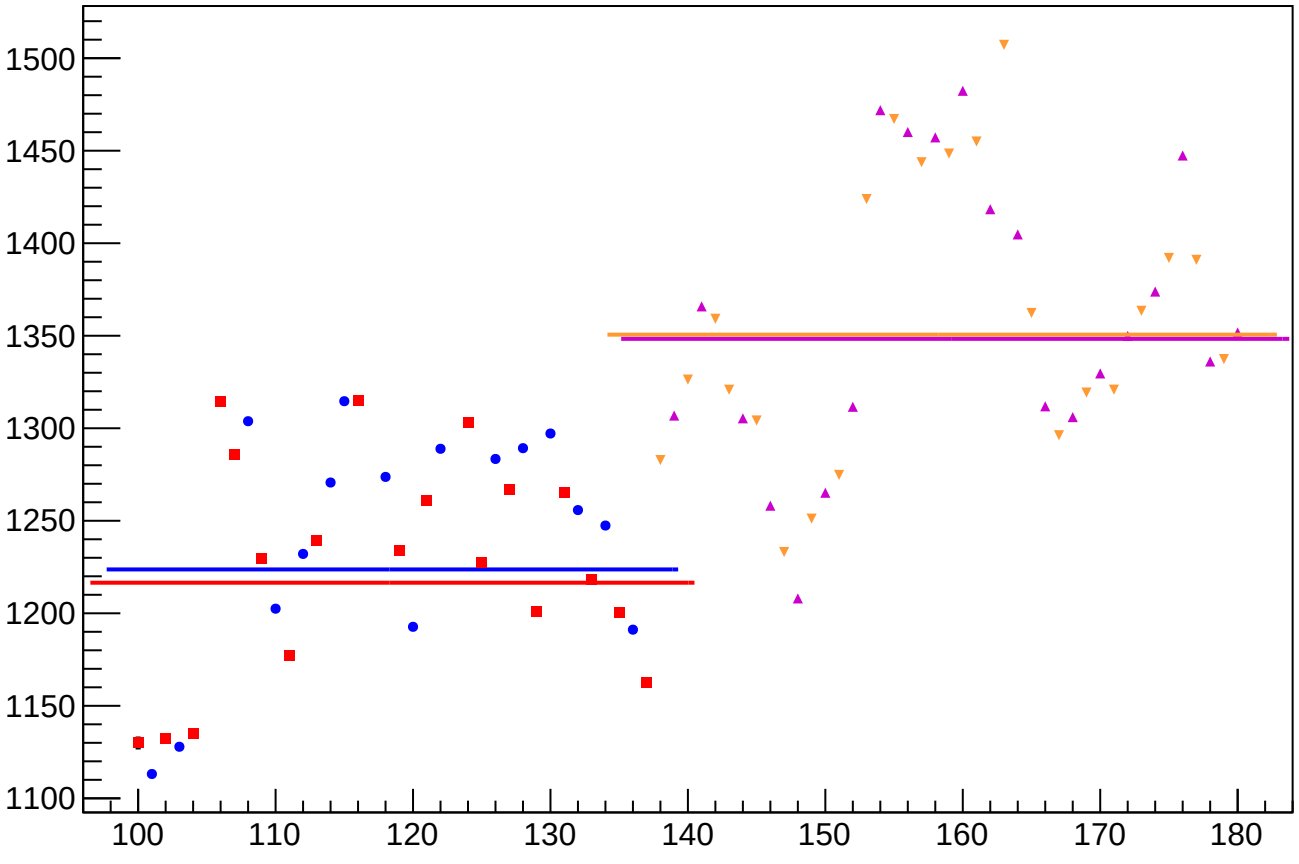
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -6.573+/-0.325 χ^2/NDF:4385.1/20

+ sign 18.725+/-0.264 χ^2/NDF: 15264.2/37

All: 12.392+/-0.186 χ^2/NDF: 28840.4/77

- sign 6.120+/-0.262 χ^2/NDF: 12428.7/39



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1350.595+/-0.229 χ^2/NDF:103440.7/21

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

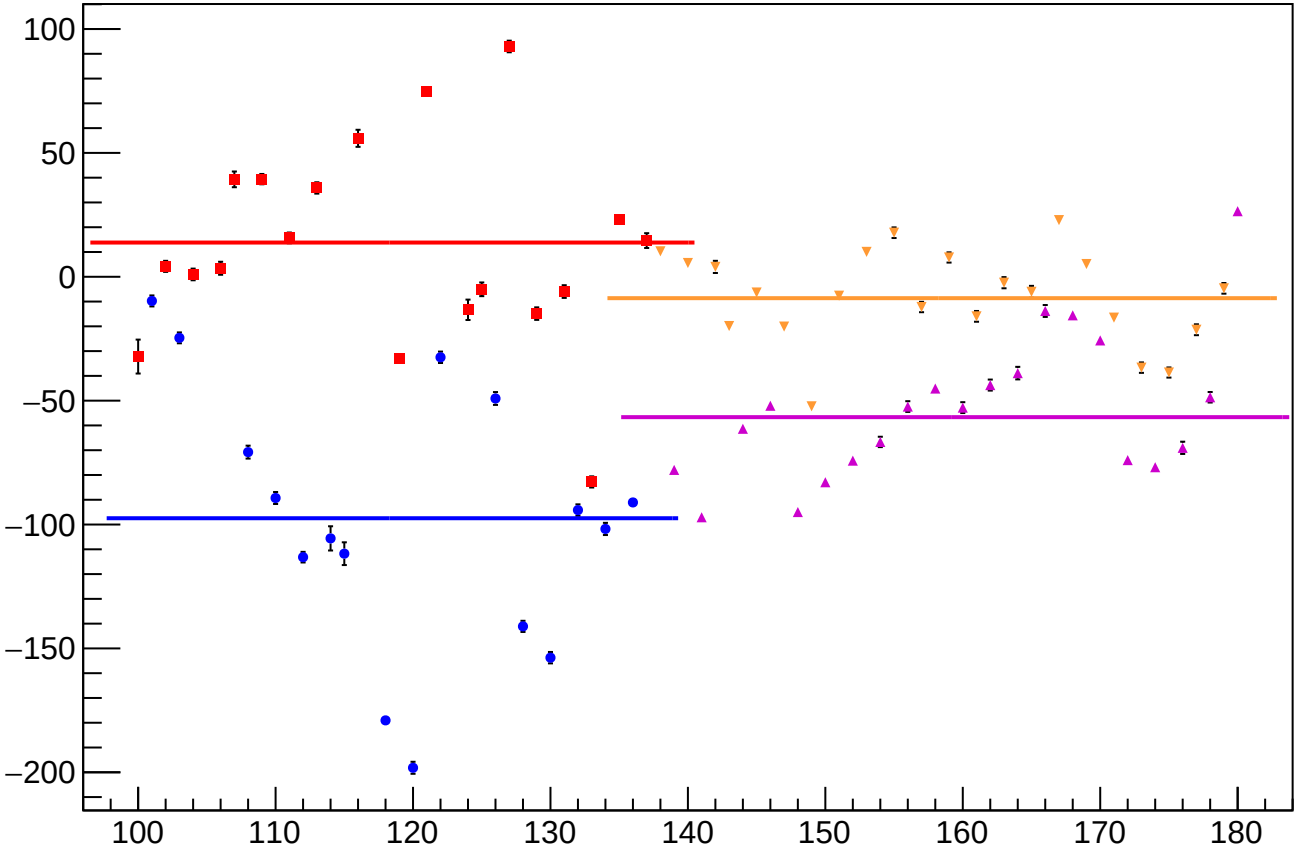
Left In: 1348.312+/-0.230 χ^2/NDF:106305.2/20

+ sign 1308.000+/-0.187 χ^2/NDF: 247553.9/37

All: 1305.150+/-0.132 χ^2/NDF: 498221.8/77

- sign 1302.327+/-0.186 χ^2/NDF: 250203.0/39

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.634+/-0.427 χ^2/NDF:1934.4/21

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

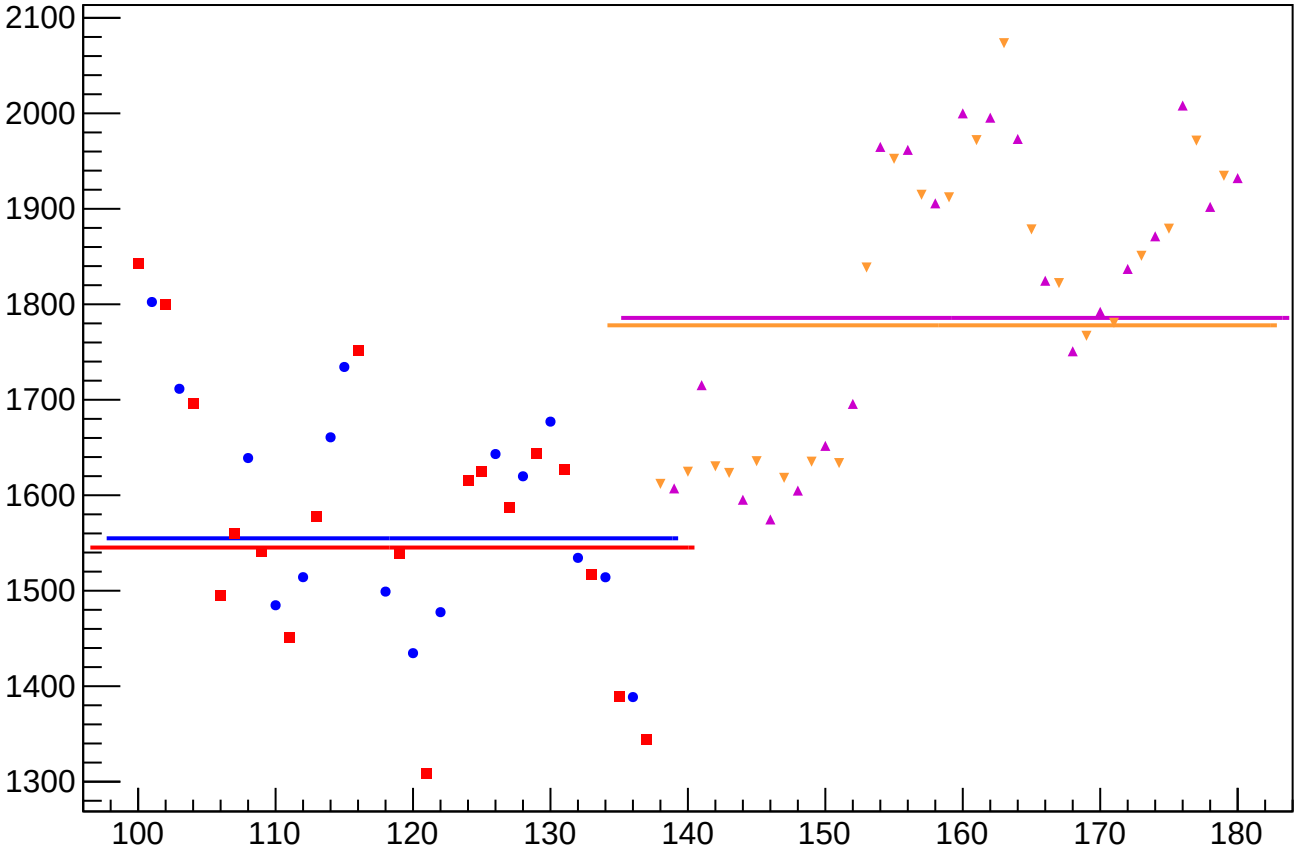
Left In: -56.656+/-0.432 χ^2/NDF:4522.2/20

\+ sign -39.880+/-0.344 χ^2/NDF: 25466.8/37

All: -35.290+/-0.243 χ^2/NDF: 45504.5/77

\- 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: 1777.979+/-0.302 χ^2/NDF:227756.6/21

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

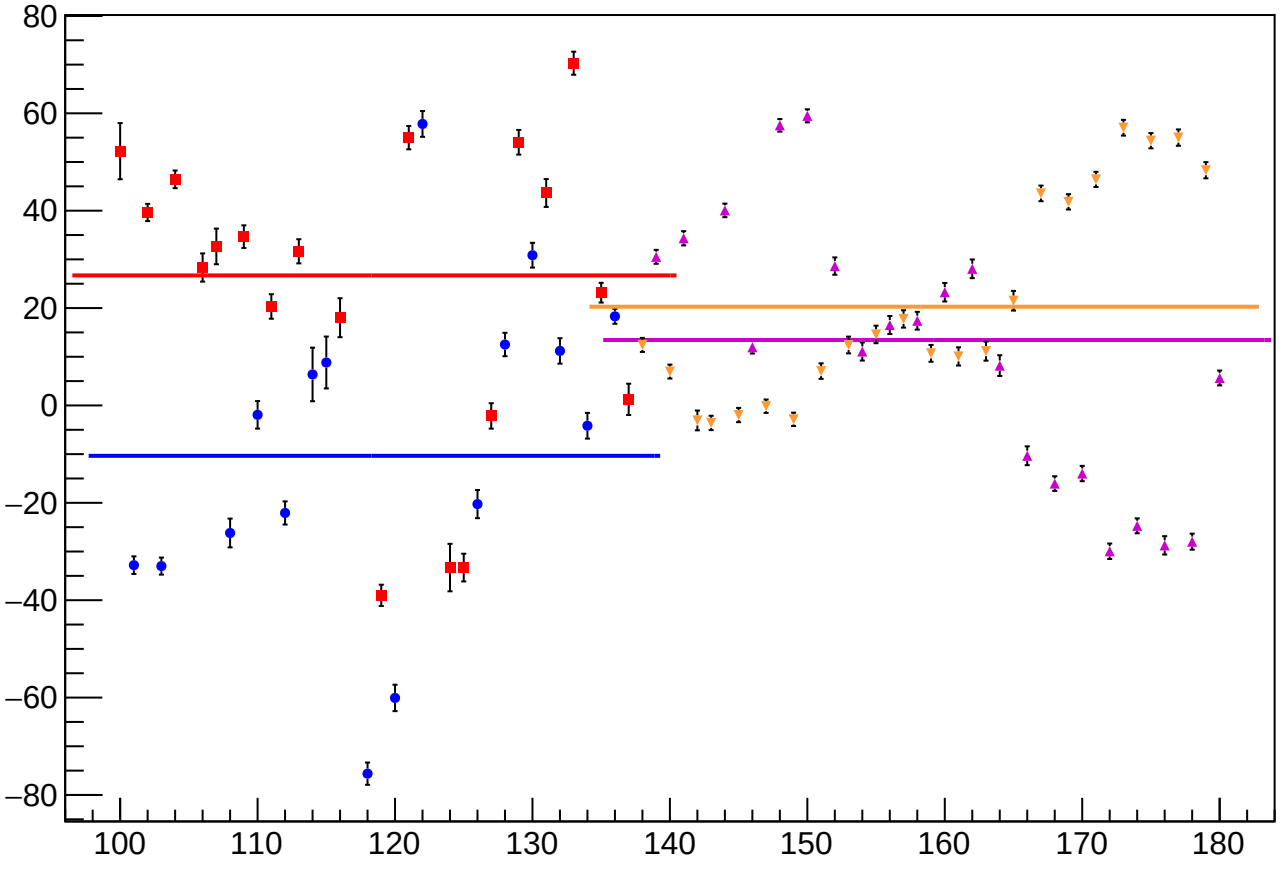
Left In: 1785.744+/-0.305 χ^2/NDF:241034.2/20

+ sign 1699.507+/-0.243 χ^2/NDF: 507828.9/37

All: 1698.355+/-0.172 χ^2/NDF: 1086140.6/77

- 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: 20.280+/-0.345 χ^2/NDF:3808.6/21

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

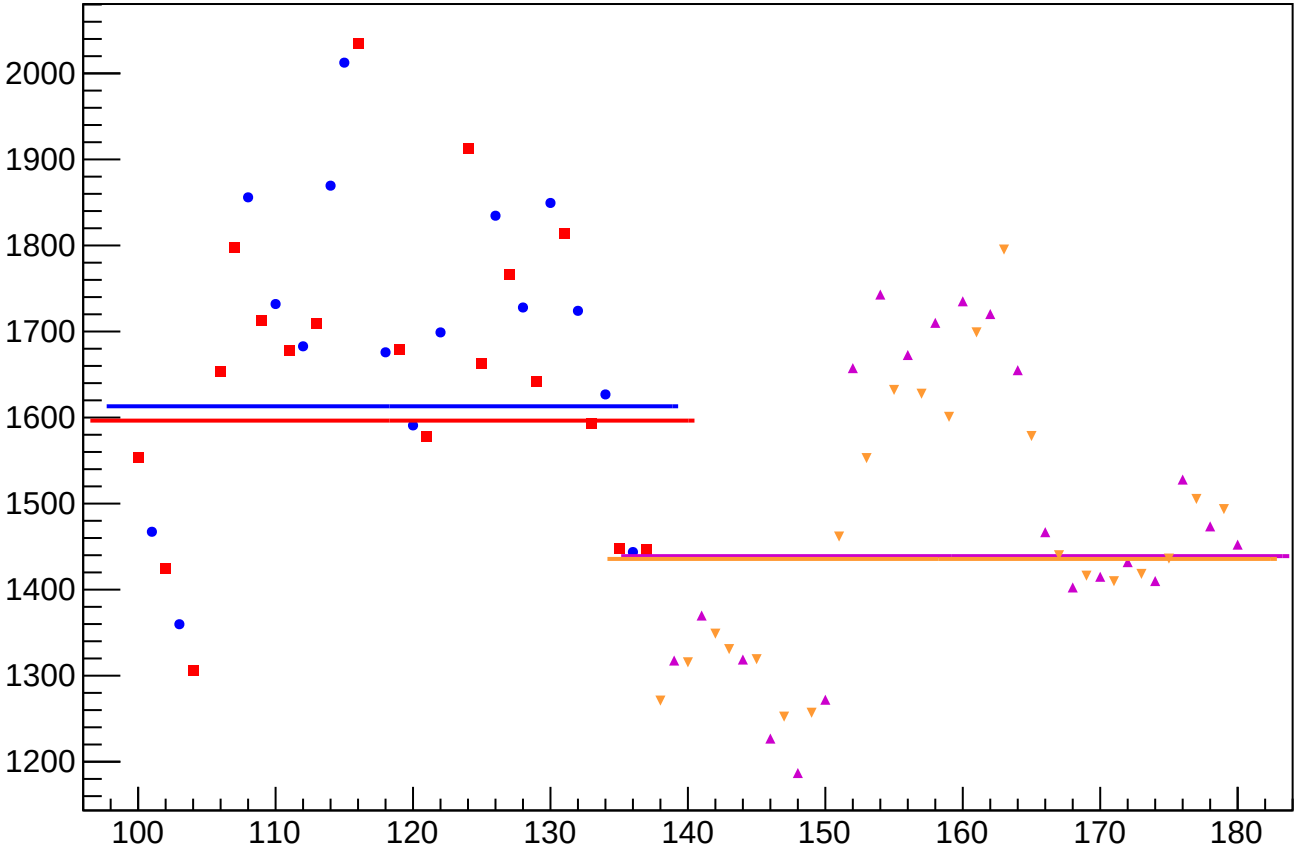
Left In: 13.442+/-0.349 χ^2/NDF:6583.5/20

+ sign 12.714+/-0.300 χ^2/NDF: 8756.8/37

All: 14.813+/-0.212 χ^2/NDF: 18357.1/77

- 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: 1435.689+/-0.244 χ^2/NDF:334812.7/21

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

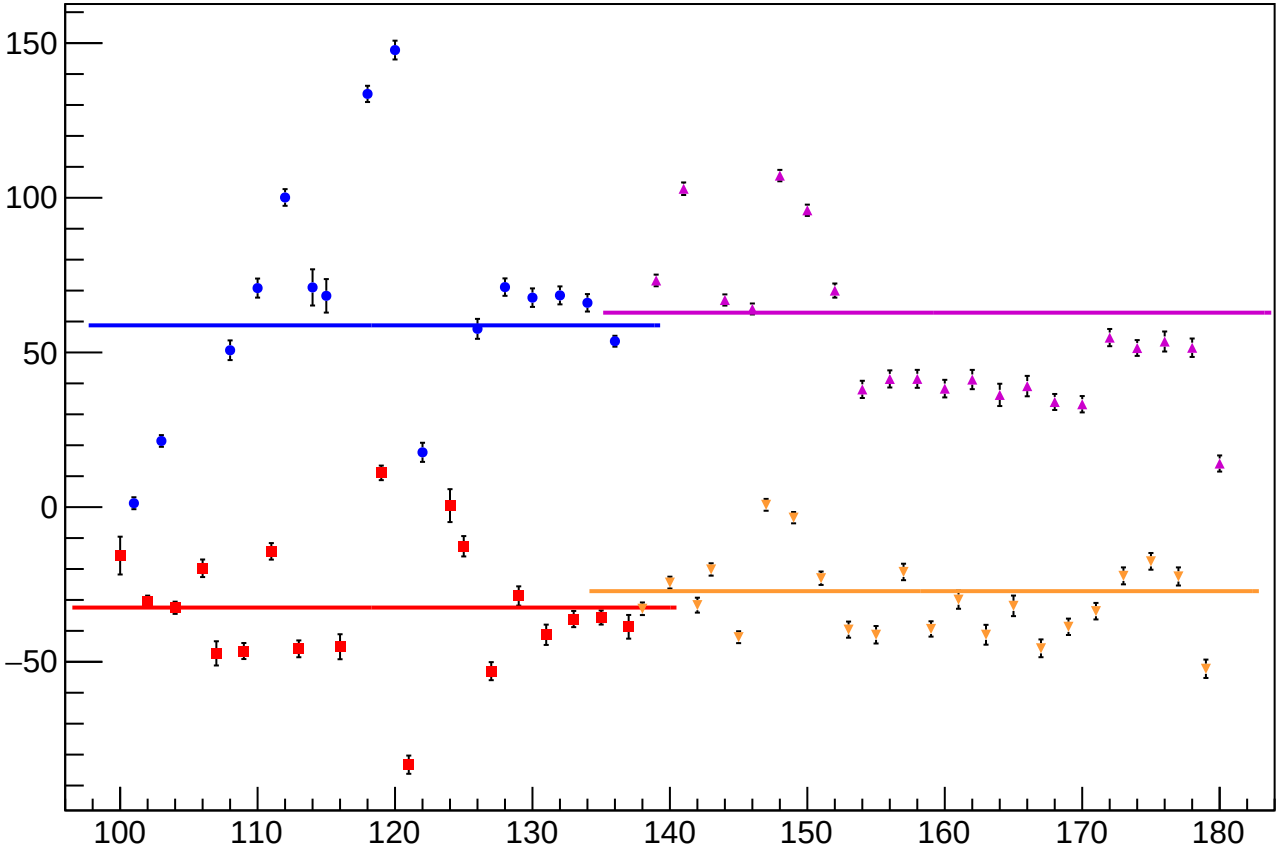
Left In: 1438.943+/-0.247 χ^2/NDF:473762.3/20

+ sign 1479.514+/-0.212 χ^2/NDF: 619812.9/37

All: 1479.853+/-0.150 χ^2/NDF: 1360801.2/77

- 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: -27.163+/-0.515 χ^2/NDF:725.7/21

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

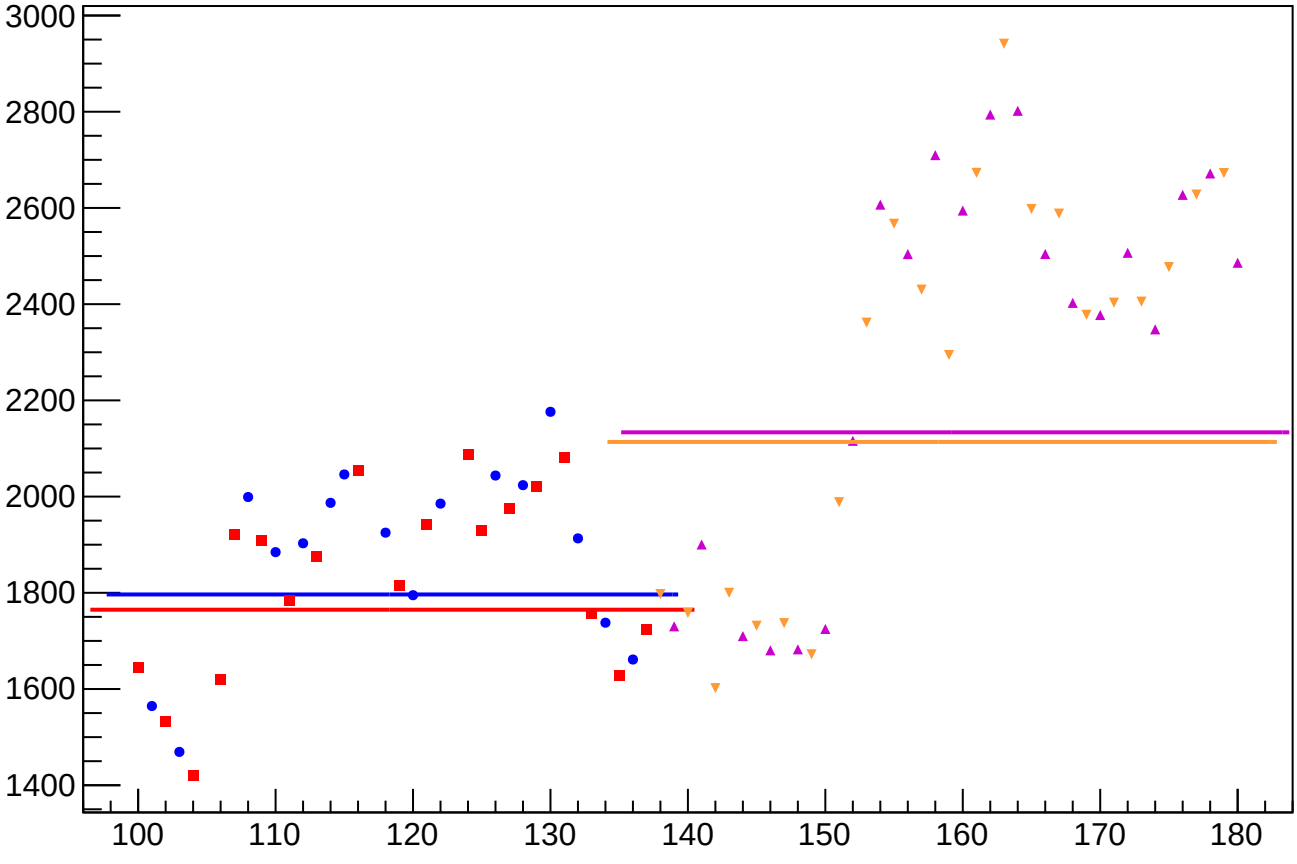
Left In: 62.860+/-0.524 χ^2/NDF:2417.3/20

\+ sign 4.598+/-0.409 χ^2/NDF: 14461.1/37

All: 14.928+/-0.289 χ^2/NDF: 32155.2/77

\- 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: 2113.594+/-0.364 χ^2/NDF:1180356.1/21

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

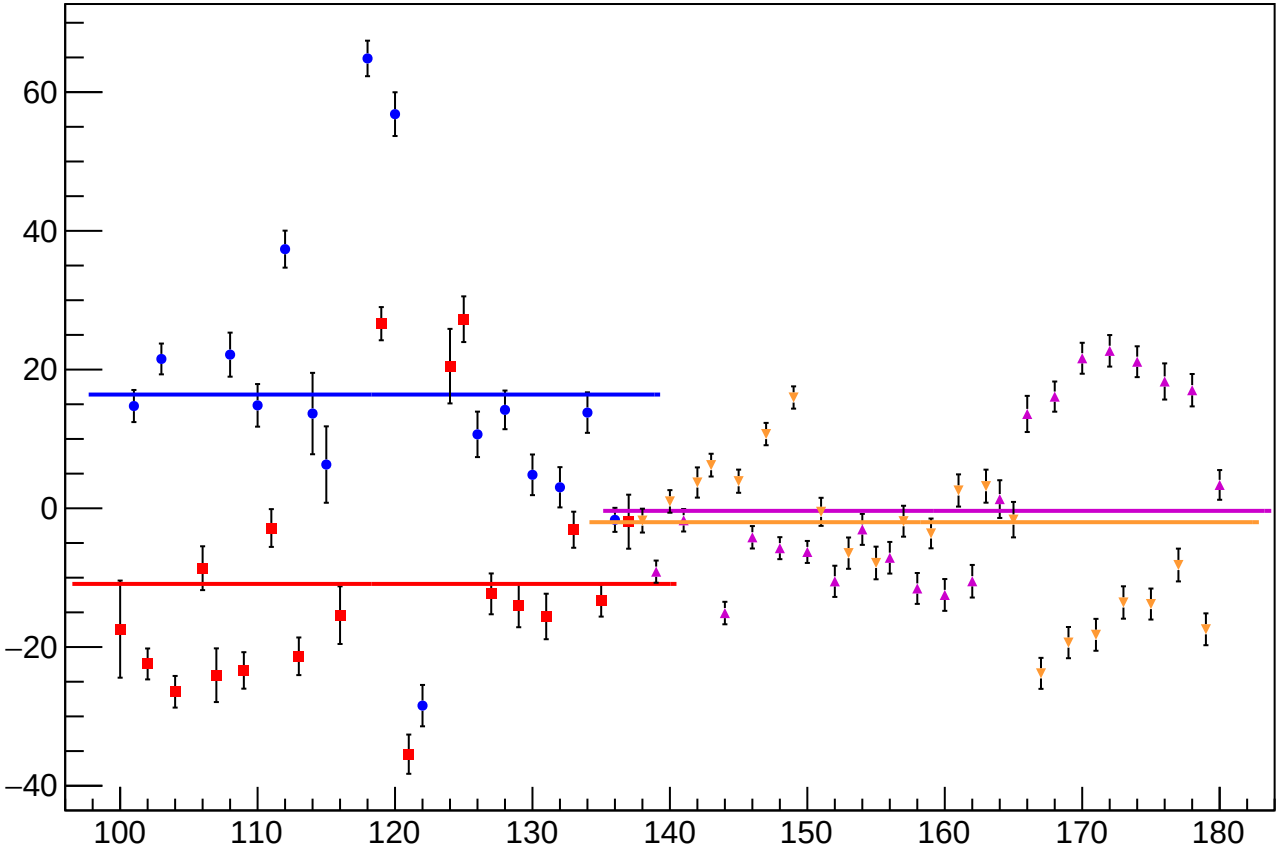
Left In: 2133.602+/-0.371 χ^2/NDF:1225588.6/20

+ sign 1996.406+/-0.289 χ^2/NDF: 1653765.6/37

All: 1992.146+/-0.204 χ^2/NDF: 3460992.9/77

- 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: -2.000+/-0.433 χ^2/NDF:564.5/21

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

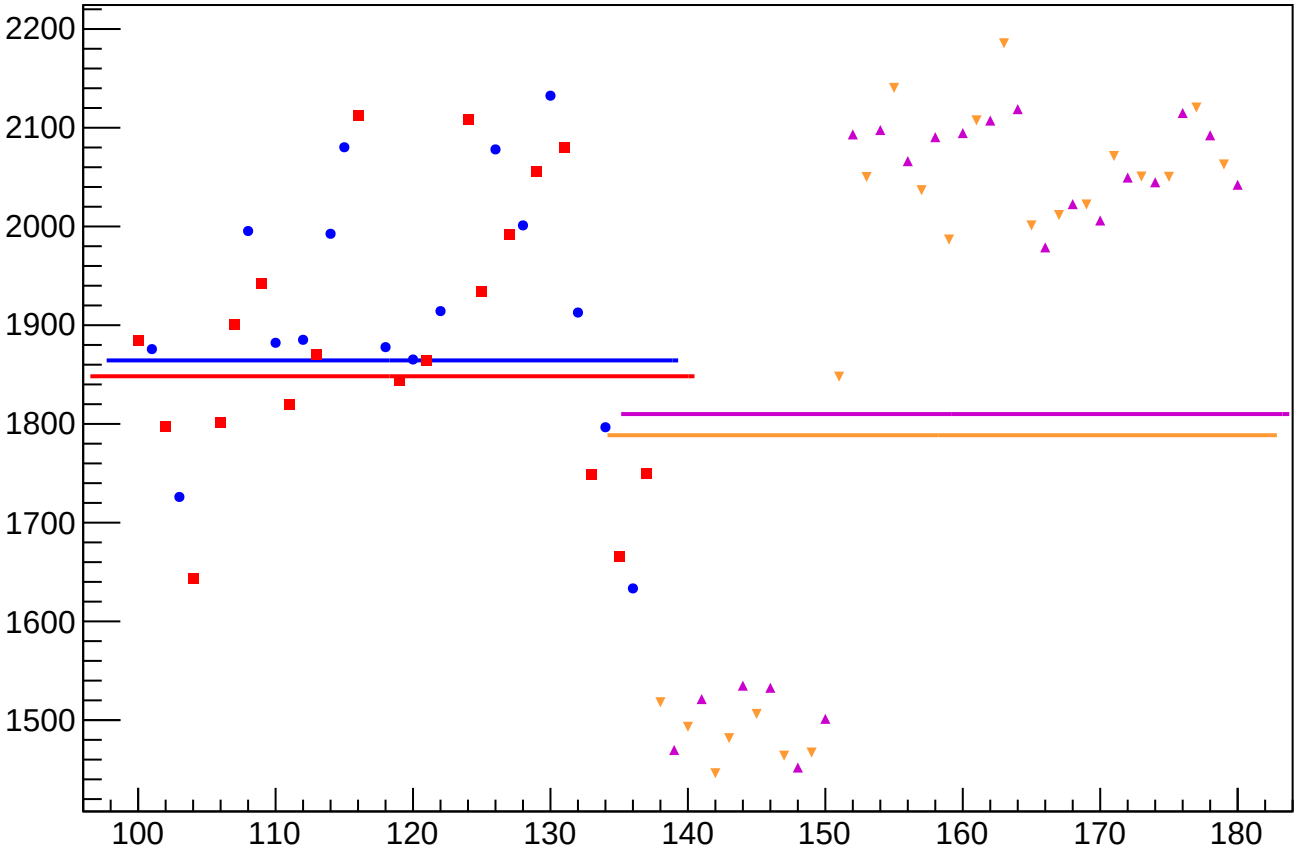
Left In: -0.368+/-0.441 χ^2/NDF:736.7/20

+ sign 3.153+/-0.368 χ^2/NDF: 2042.1/37

All: -0.164+/-0.261 χ^2/NDF: 3754.1/77

- 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: 1788.574+/-0.306 χ^2/NDF:867800.0/21

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

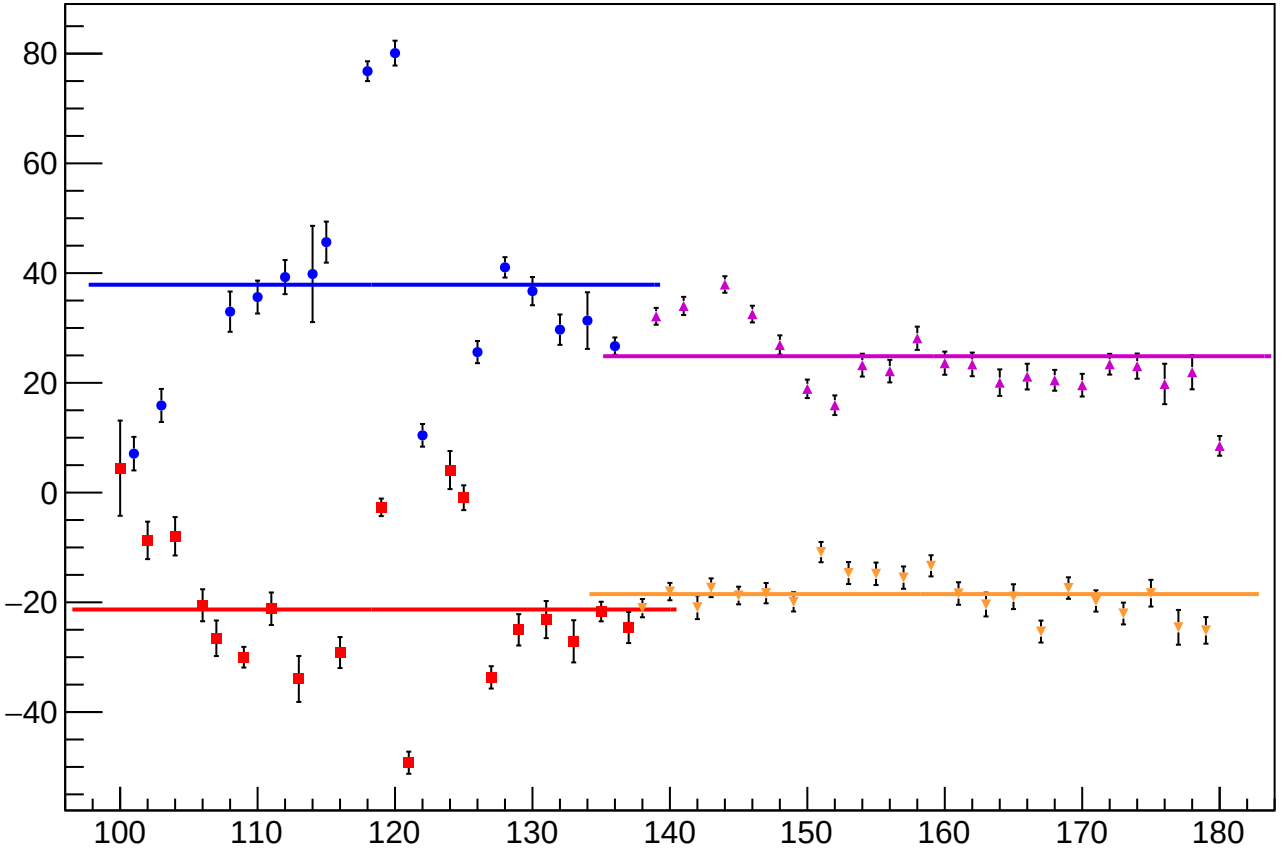
Left In: 1809.988+/-0.312 χ^2/NDF:826439.2/20

+ sign 1809.789+/-0.260 χ^2/NDF: 968223.8/37

All: 1815.579+/-0.184 χ^2/NDF: 1875114.3/77

- 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: -18.501+/-0.418 χ^2/NDF:65.6/21

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

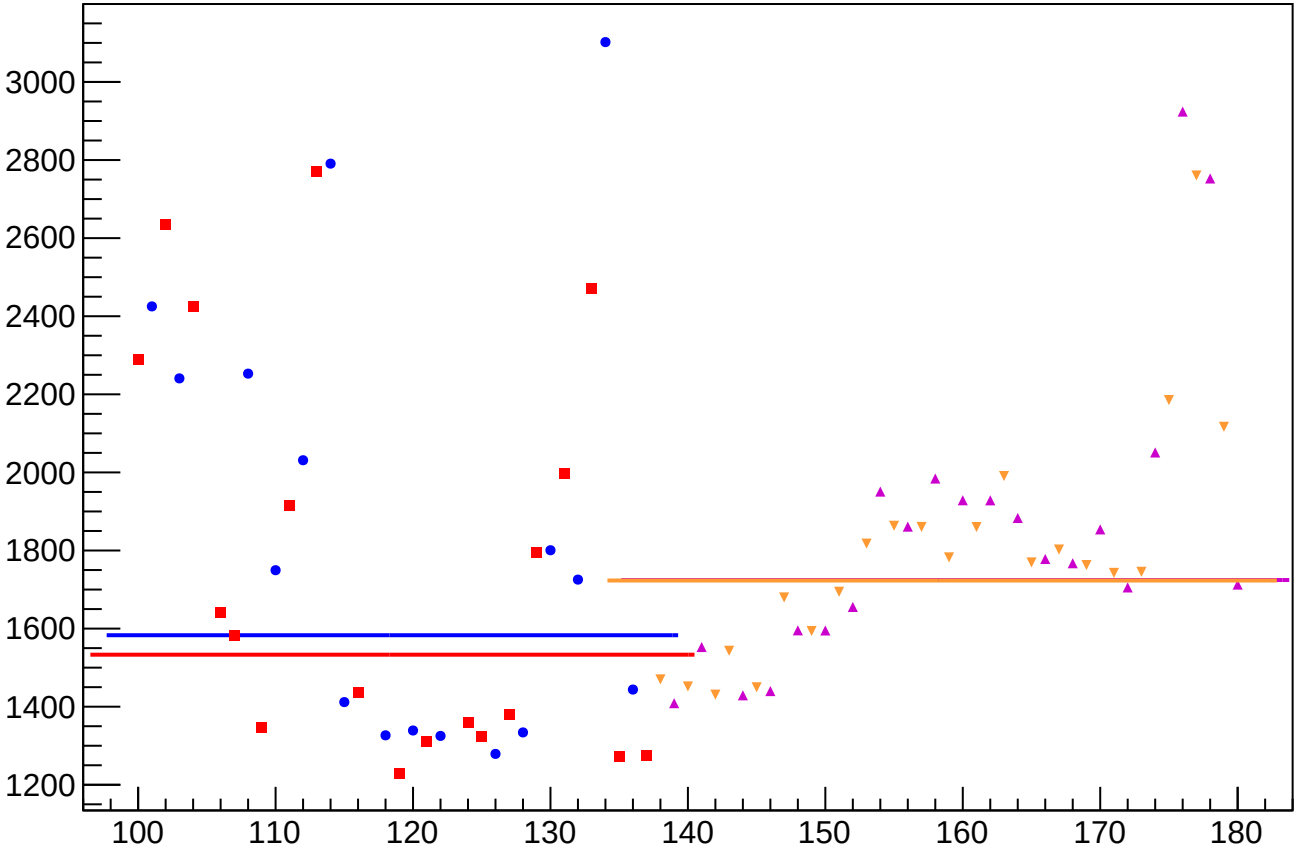
Left In: 24.852+/-0.423 χ^2/NDF:302.7/20

+ sign -0.964+/-0.347 χ^2/NDF: 6969.7/37

All: 4.212+/-0.244 χ^2/NDF: 12314.6/77

- 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: 1723.205+/-0.296 χ^2/NDF:641746.8/21

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

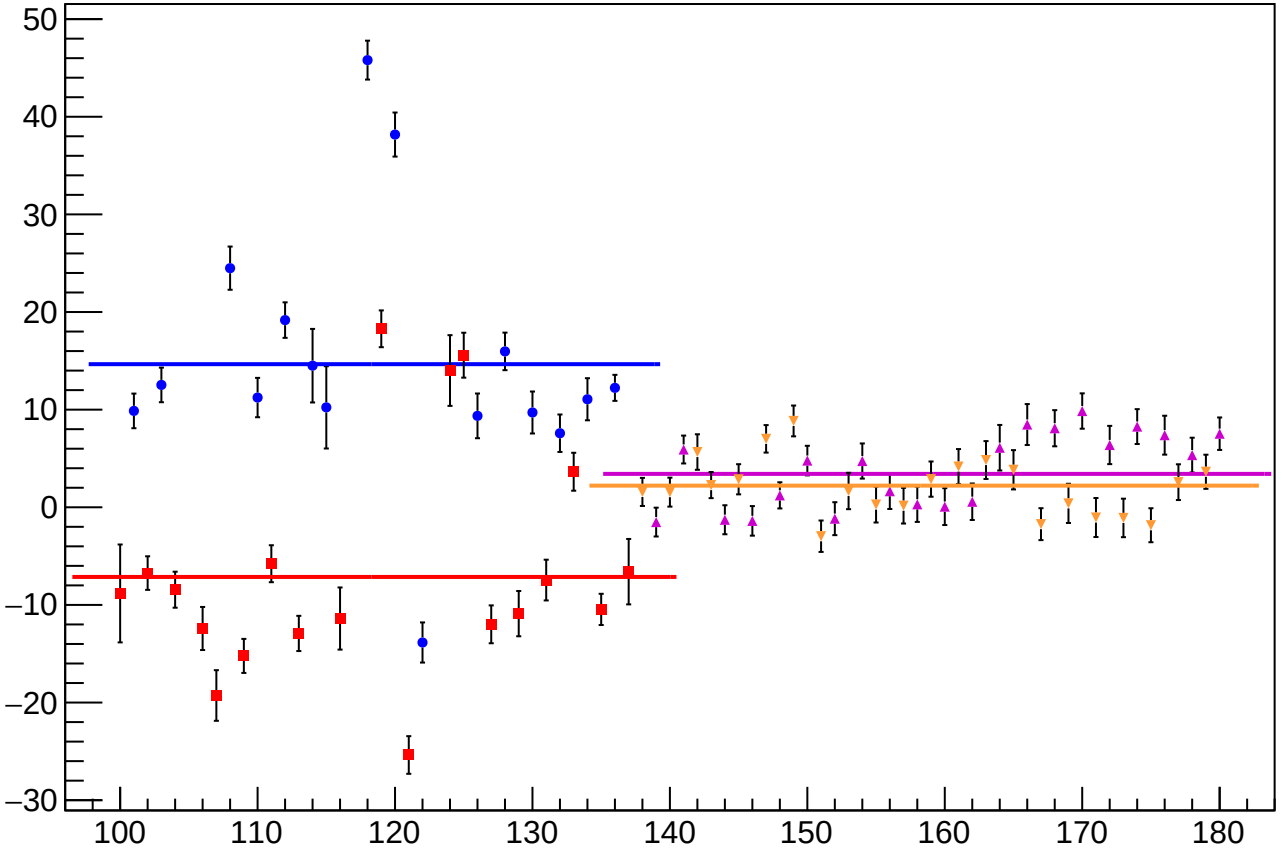
Left In: 1724.418+/-0.299 χ^2/NDF:865961.5/20

+ sign 1679.611+/-0.245 χ^2/NDF: 1499299.5/37

All: 1669.719+/-0.173 χ^2/NDF: 3457203.2/77

- 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: 2.218+/-0.363 χ^2/NDF:68.2/21

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

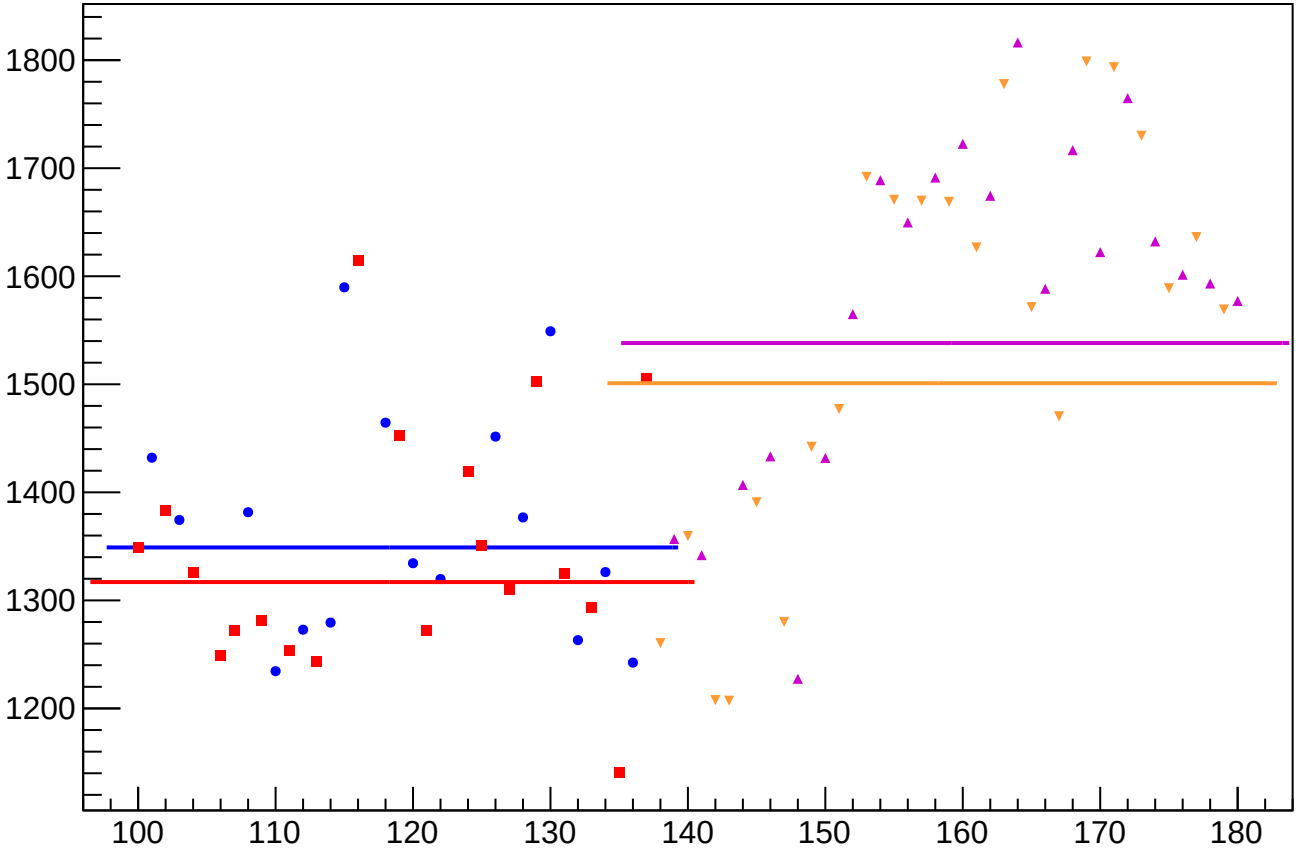
Left In: 3.421+/-0.373 χ^2/NDF:102.2/20

+ sign 6.454+/-0.294 χ^2/NDF: 1084.0/37

All: 2.977+/-0.209 χ^2/NDF: 2274.5/77

- 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: 1500.966+/-0.256 χ^2/NDF:544256.0/21

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

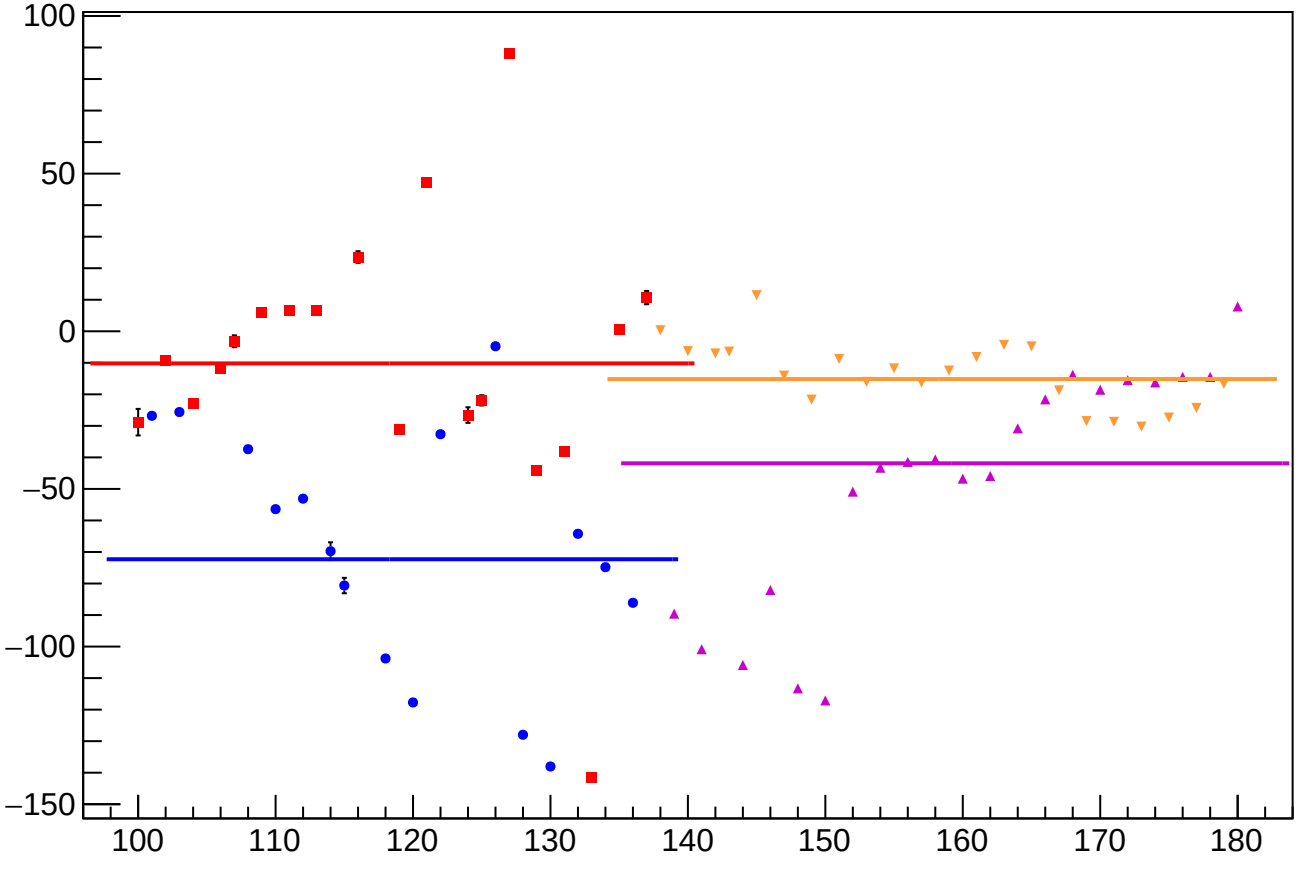
Left In: 1538.171+/-0.264 χ^2/NDF:366559.5/20

+ sign 1449.215+/-0.208 χ^2/NDF: 732311.7/37

All: 1452.349+/-0.147 χ^2/NDF: 1448744.6/77

- sign 1455.504+/-0.209 χ^2/NDF: 715978.0/39

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -15.152+/-0.194 χ^2/NDF:2784.6/21

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

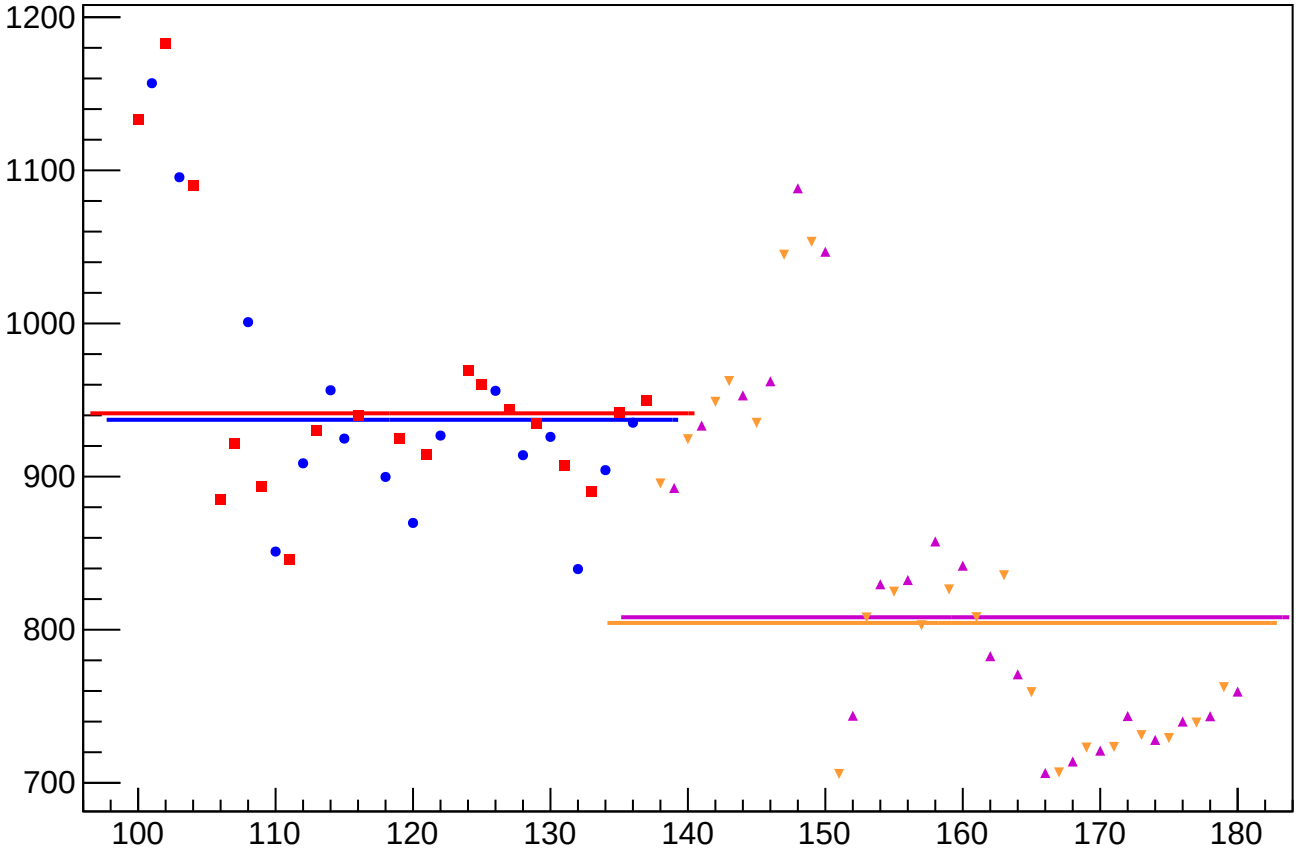
Left In: -41.882+/-0.196 χ^2/NDF:30750.6/20

+ sign -28.600+/-0.170 χ^2/NDF: 35392.1/37

All: -31.346+/-0.120 χ^2/NDF: 92106.3/77

- 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: 804.426+/-0.137 χ^2/NDF:486034.4/21

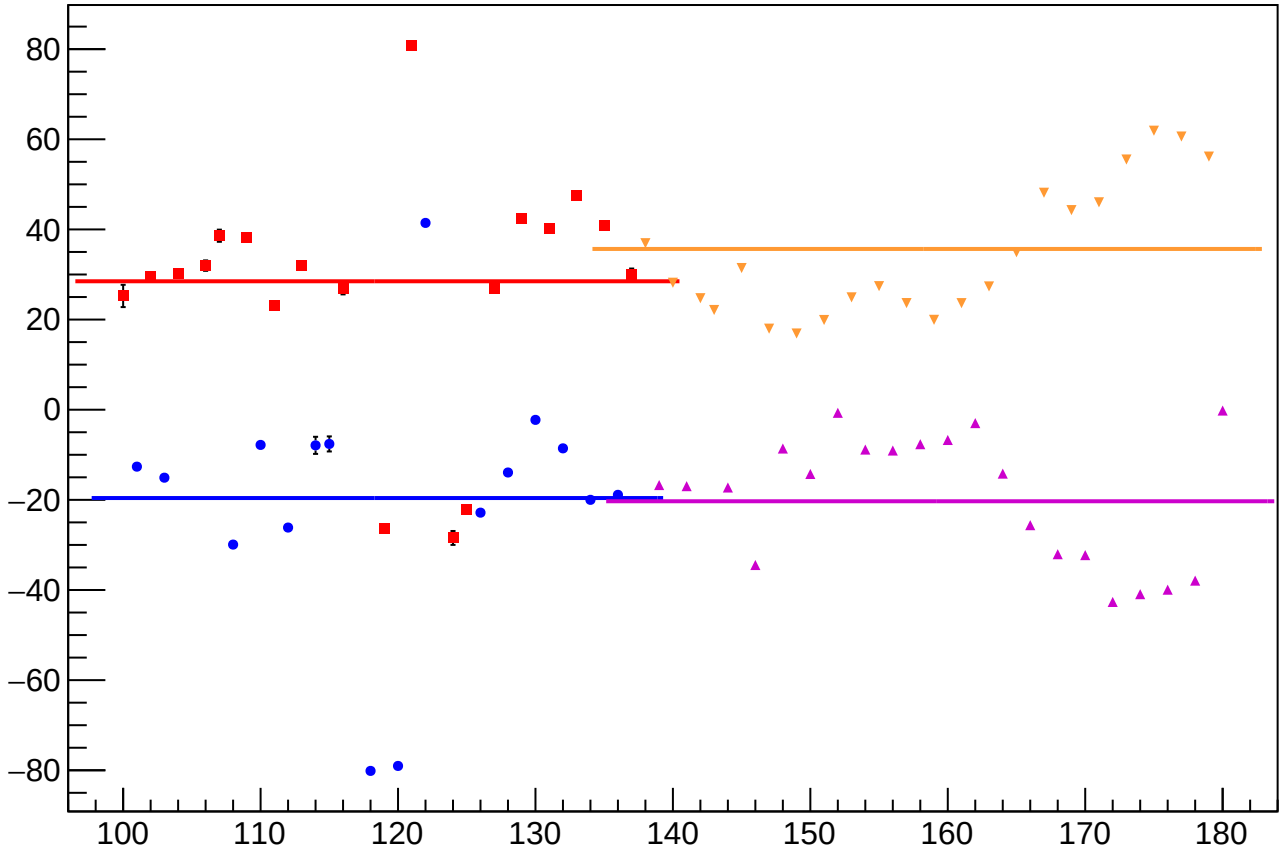
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 808.156+/-0.139 χ^2/NDF:508871.4/20

+ sign 835.644+/-0.120 χ^2/NDF: 811136.2/37

All: 838.187+/-0.085 χ^2/NDF: 1647574.9/77

- 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: 35.670+/-0.153 χ^2/NDF:9295.0/21

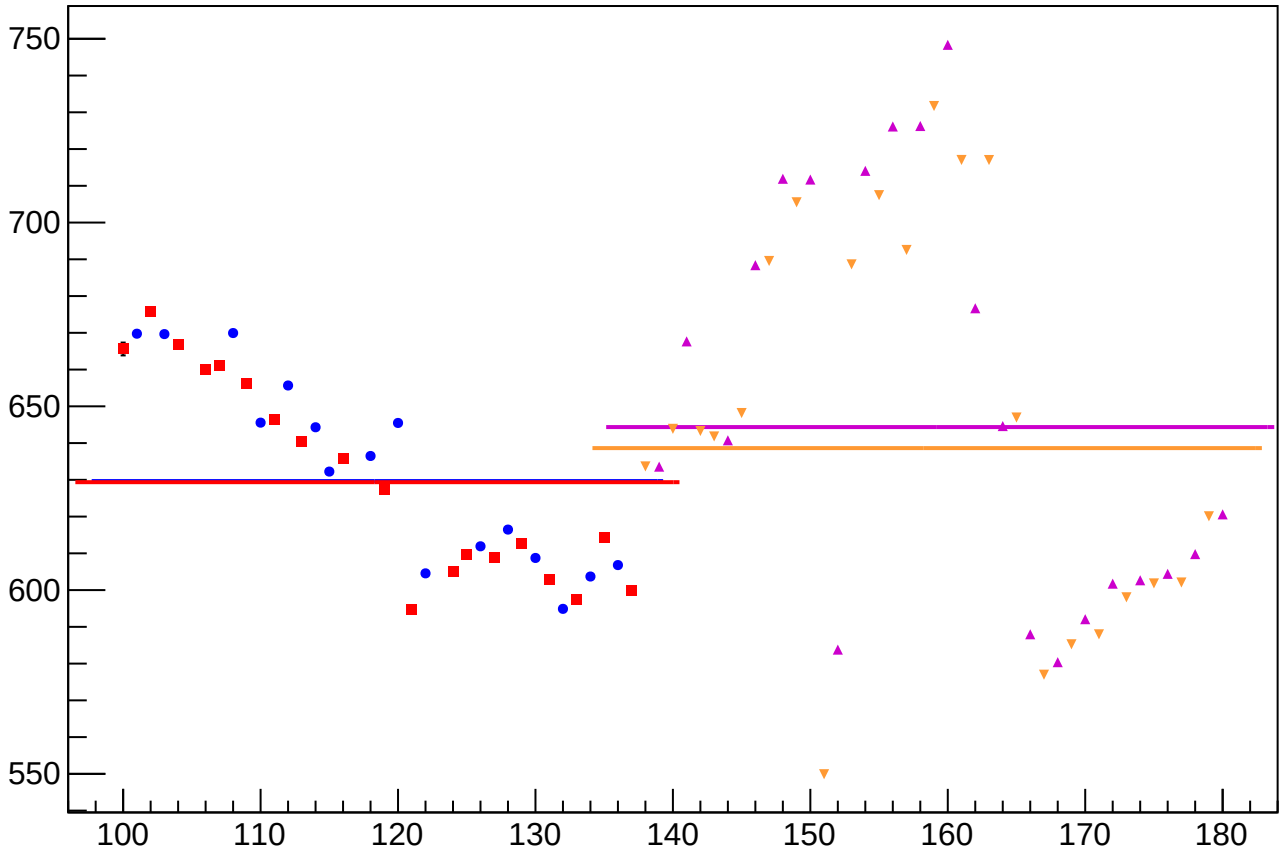
Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: -20.313+/-0.156 χ^2/NDF:8410.2/20

+ sign 19.063+/-0.128 χ^2/NDF: 61467.4/37

All: 7.131+/-0.091 χ^2/NDF: 131159.7/77

- sign -4.924+/-0.129 χ^2/NDF: 52304.2/39



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 638.632+/-0.108 χ^2/NDF:235203.1/21

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

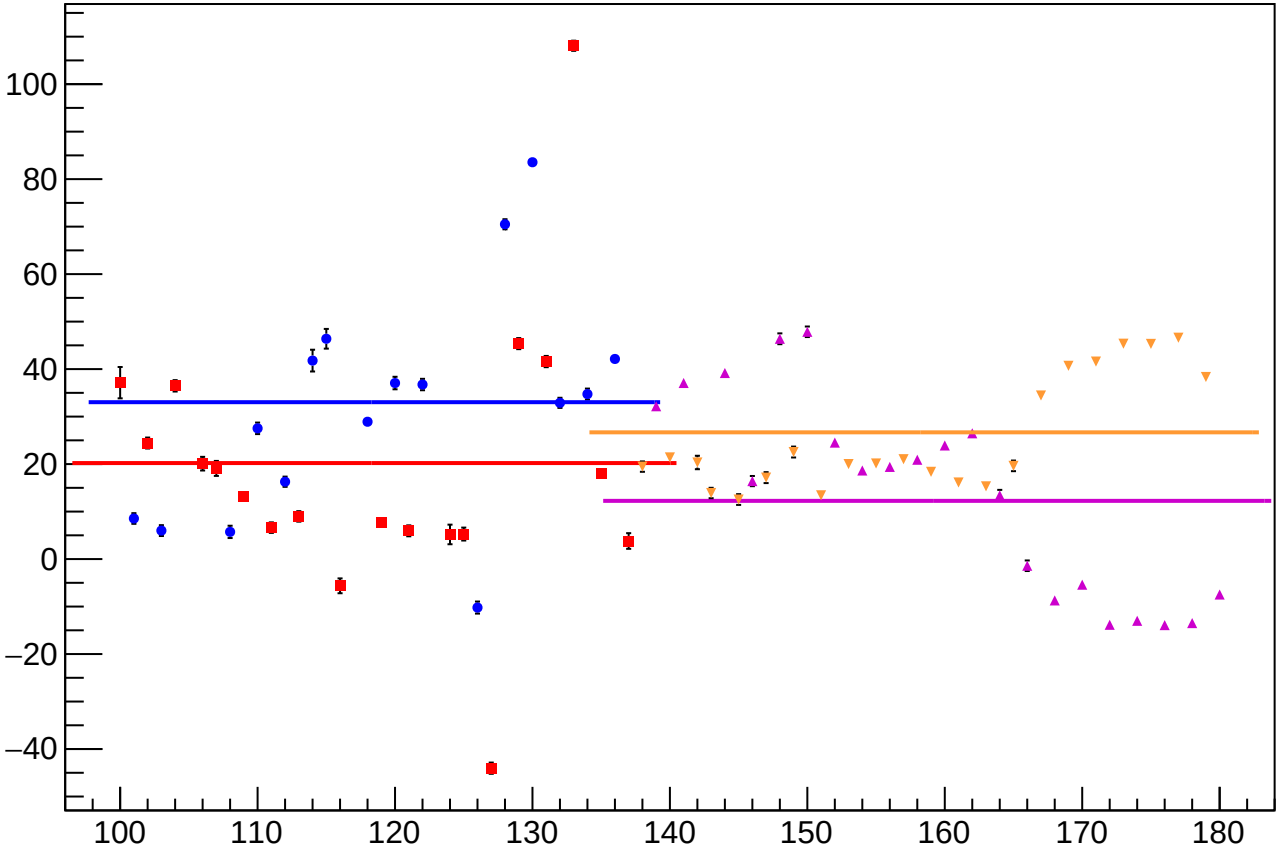
Left In: 644.354+/-0.110 χ^2/NDF:229079.7/20

+ sign 635.936+/-0.091 χ^2/NDF: 262574.4/37

All: 637.772+/-0.064 χ^2/NDF: 525104.7/77

- 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: 26.684+/-0.219 χ^2/NDF:3013.3/21

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

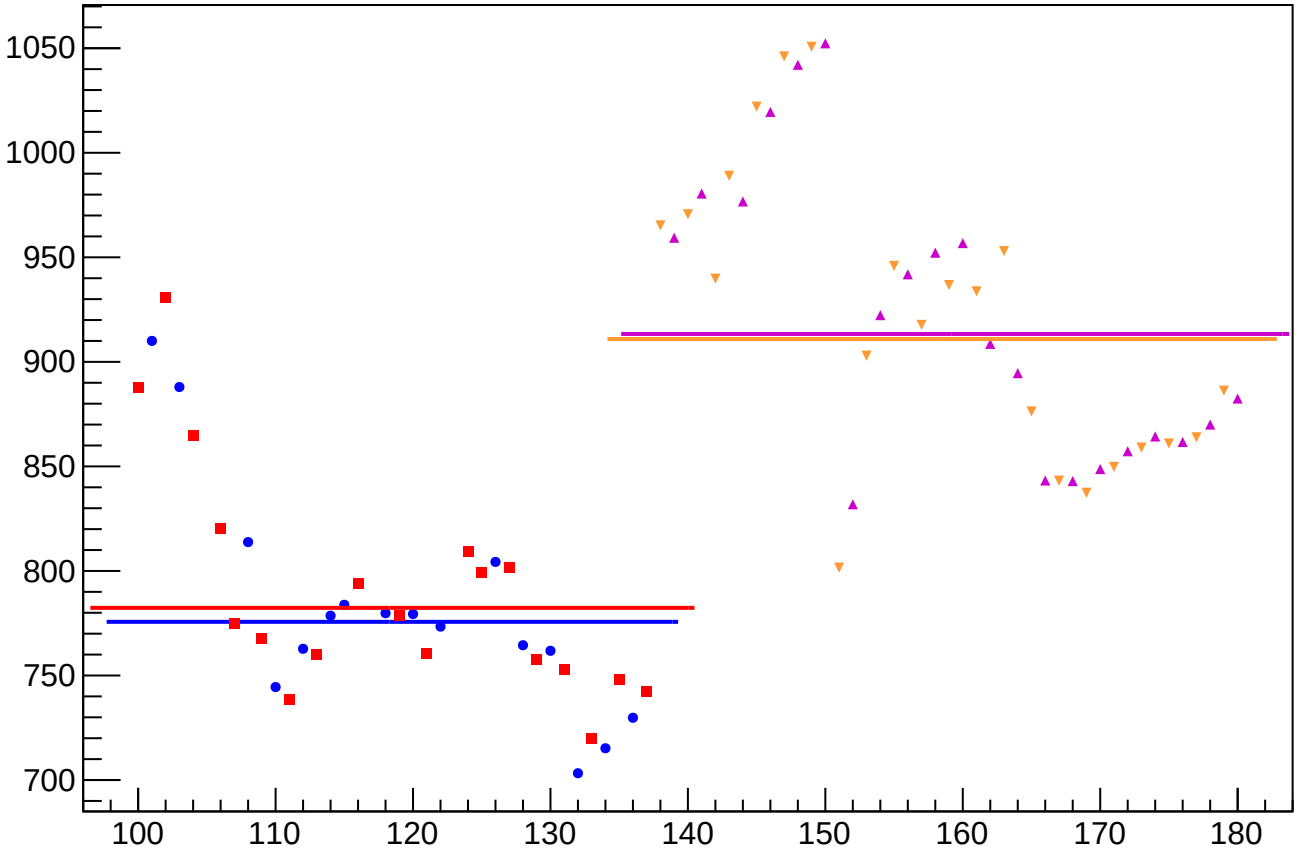
Left In: 12.257+/-0.221 χ^2/NDF:8501.2/20

+ sign 28.995+/-0.174 χ^2/NDF: 10020.6/37

All: 22.126+/-0.123 χ^2/NDF: 33990.6/77

- 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: 910.930+/-0.155 χ^2/NDF:188713.1/21

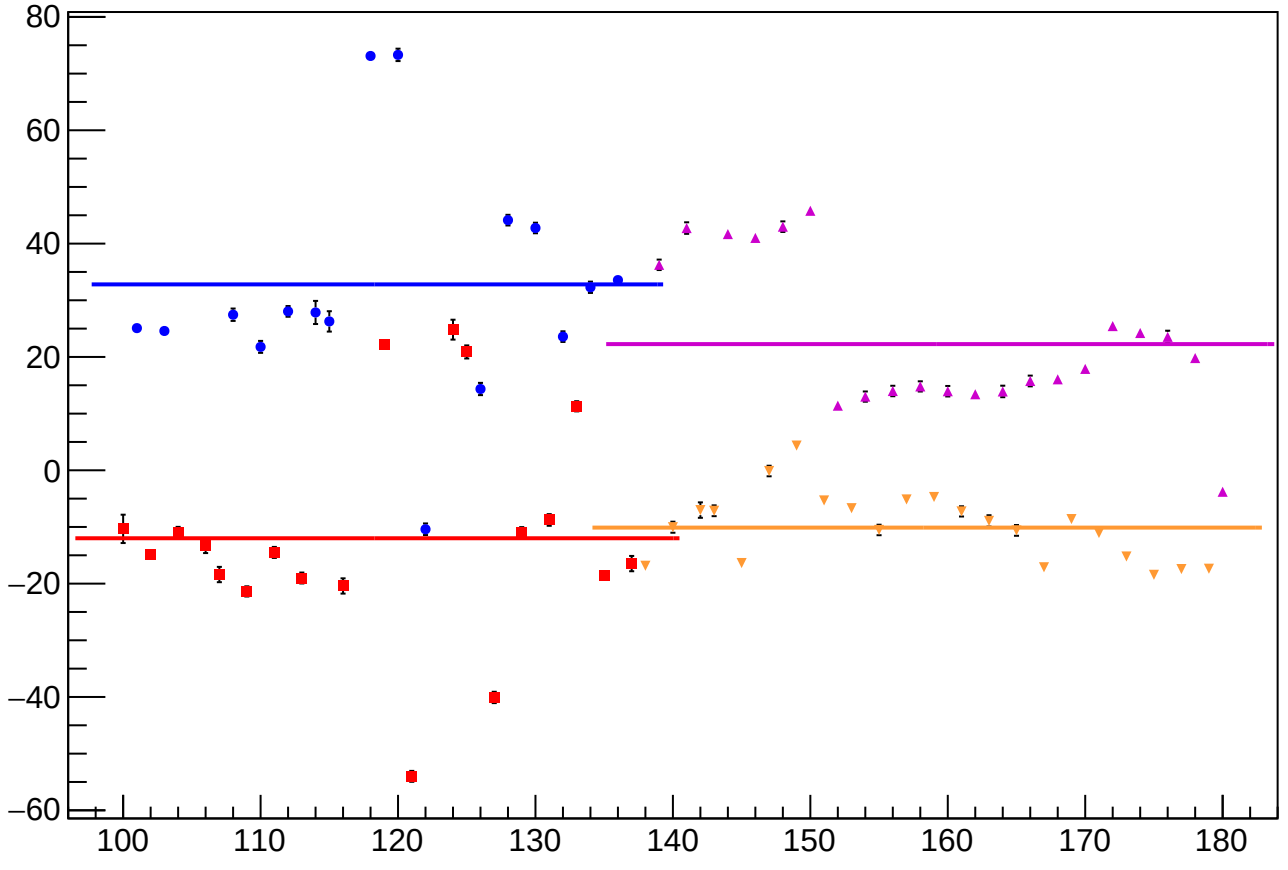
Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 913.338+/-0.156 χ^2/NDF:173999.9/20

\+ sign 861.703+/-0.123 χ^2/NDF: 542240.5/37

All: 863.082+/-0.087 χ^2/NDF: 1044095.6/77

\- 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: -10.114+/-0.187 χ^2/NDF:1011.9/21

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

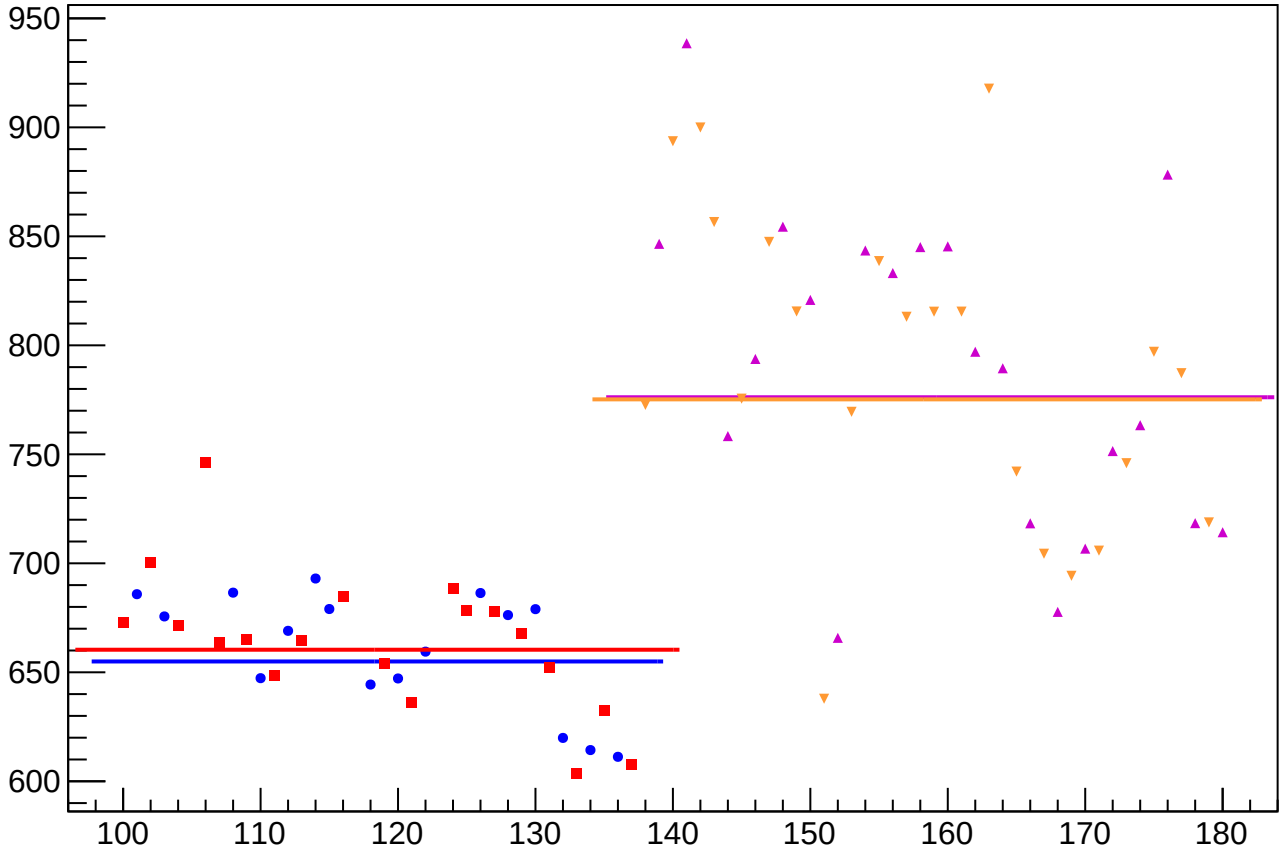
Left In: 22.267+/-0.188 χ^2/NDF:5062.5/20

\+ sign 5.767+/-0.148 χ^2/NDF: 26838.1/37

All: 7.529+/-0.105 χ^2/NDF: 51288.2/77

\- 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: 775.211+/-0.132 χ^2/NDF:287428.5/21

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

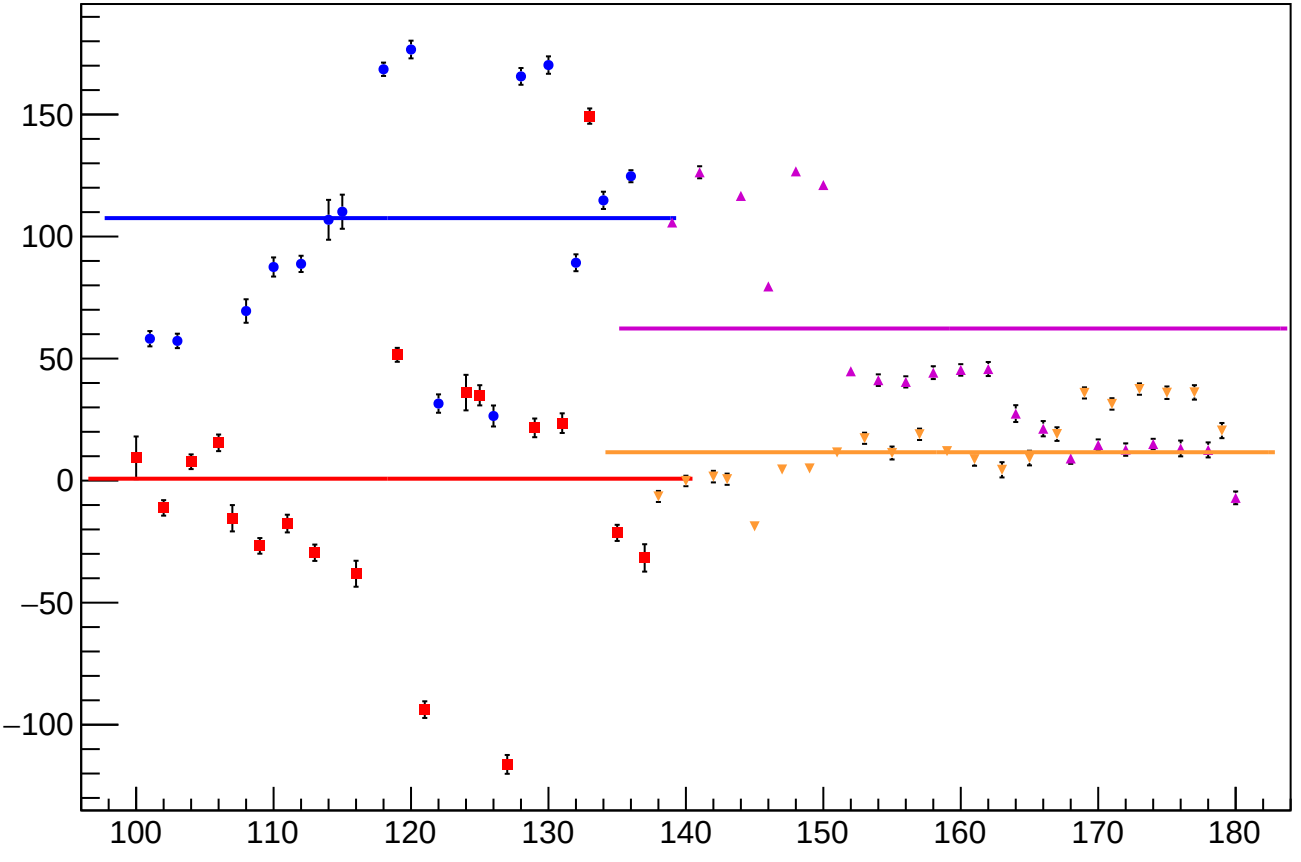
Left In: 776.180+/-0.133 χ^2/NDF:277171.8/20

+ sign 730.717+/-0.105 χ^2/NDF: 621349.4/37

All: 731.521+/-0.074 χ^2/NDF: 1215808.8/77

- 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: 11.634+/-0.491 χ^2/NDF:910.7/21

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

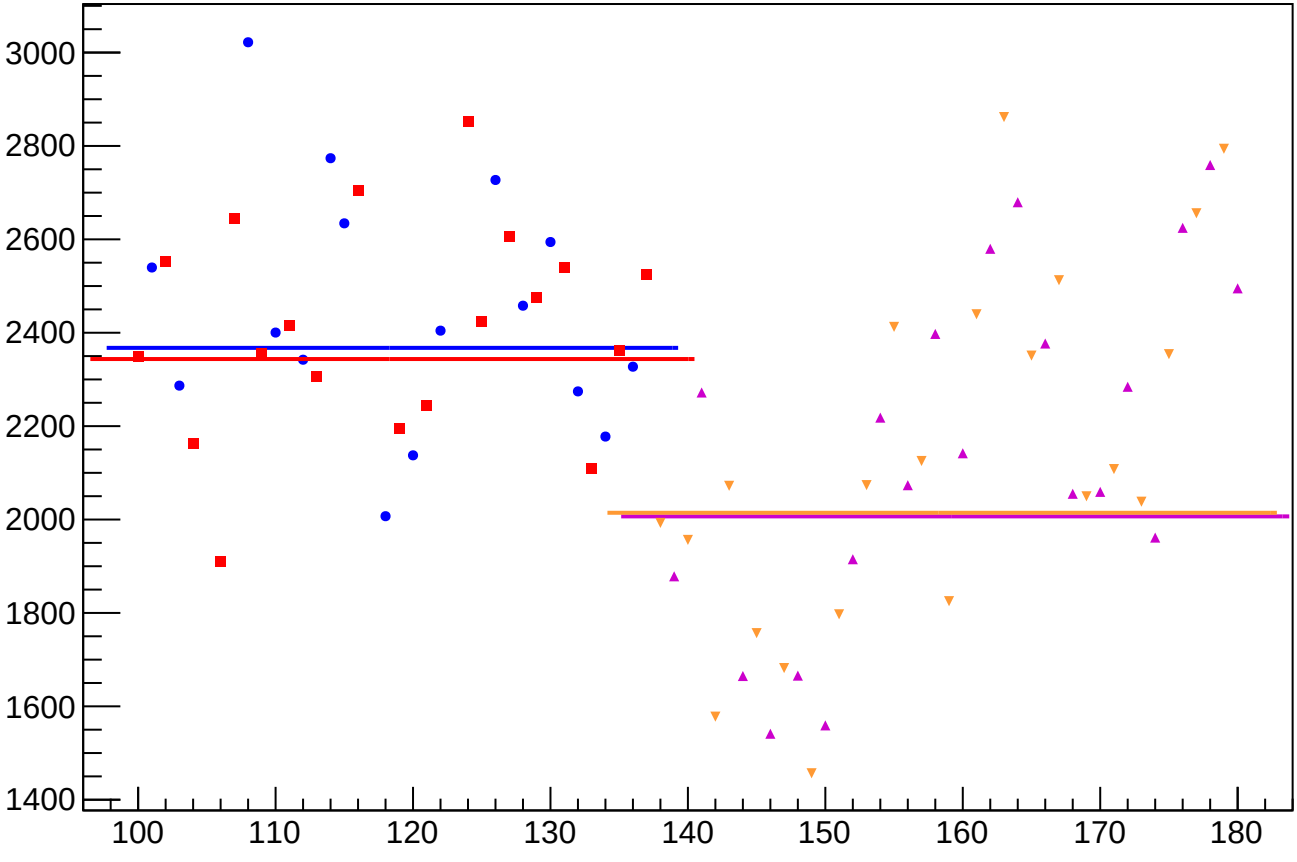
Left In: 62.323+/-0.494 χ^2/NDF:8372.6/20

\+ sign 34.186+/-0.429 χ^2/NDF: 12843.7/37

All: 40.658+/-0.303 χ^2/NDF: 30279.3/77

\- 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: 2014.502+/-0.347 χ^2/NDF:1049310.8/21

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

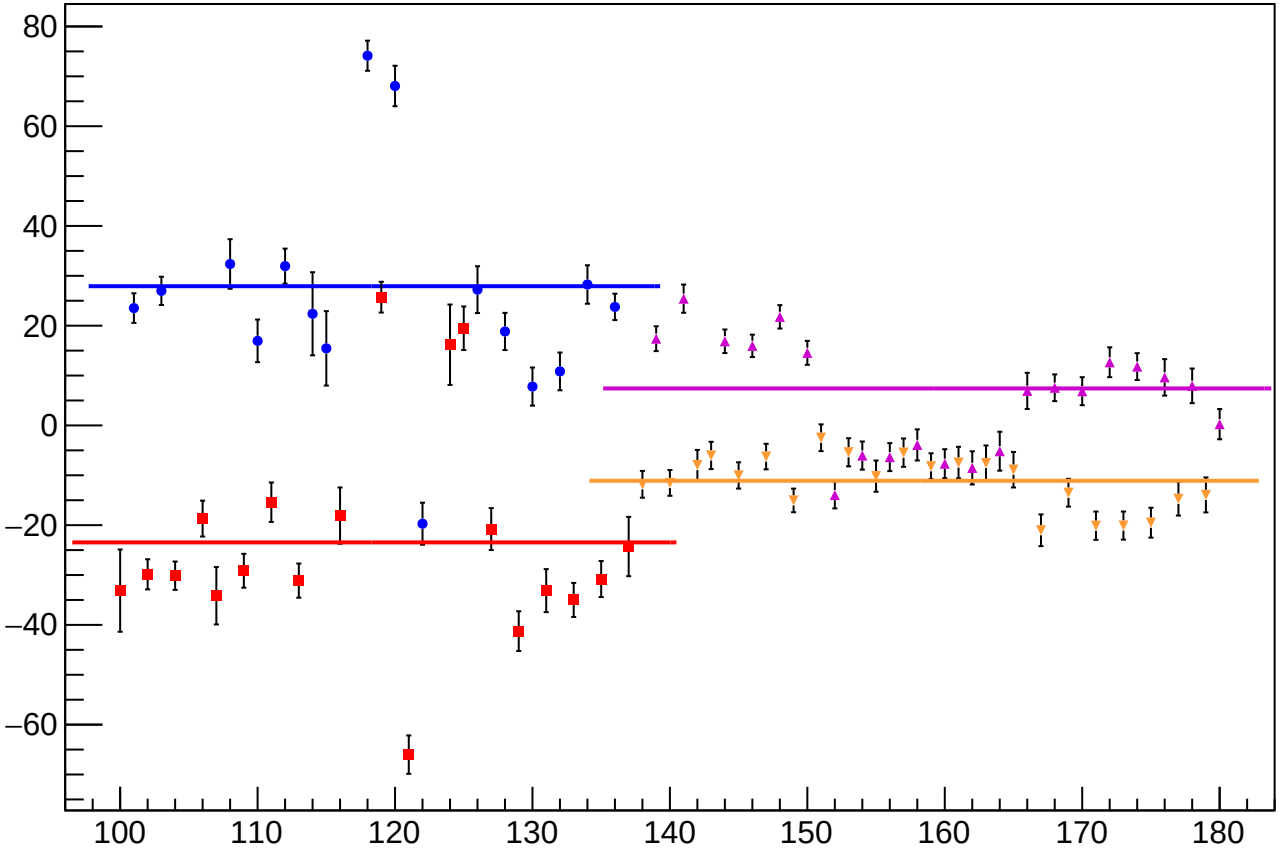
Left In: 2006.745+/-0.349 χ^2/NDF:1028358.3/20

+ sign 2097.533+/-0.304 χ^2/NDF: 1419448.2/37

All: 2093.817+/-0.214 χ^2/NDF: 2791002.8/77

- 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: -11.103+/-0.613 χ^2/NDF:74.0/21

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

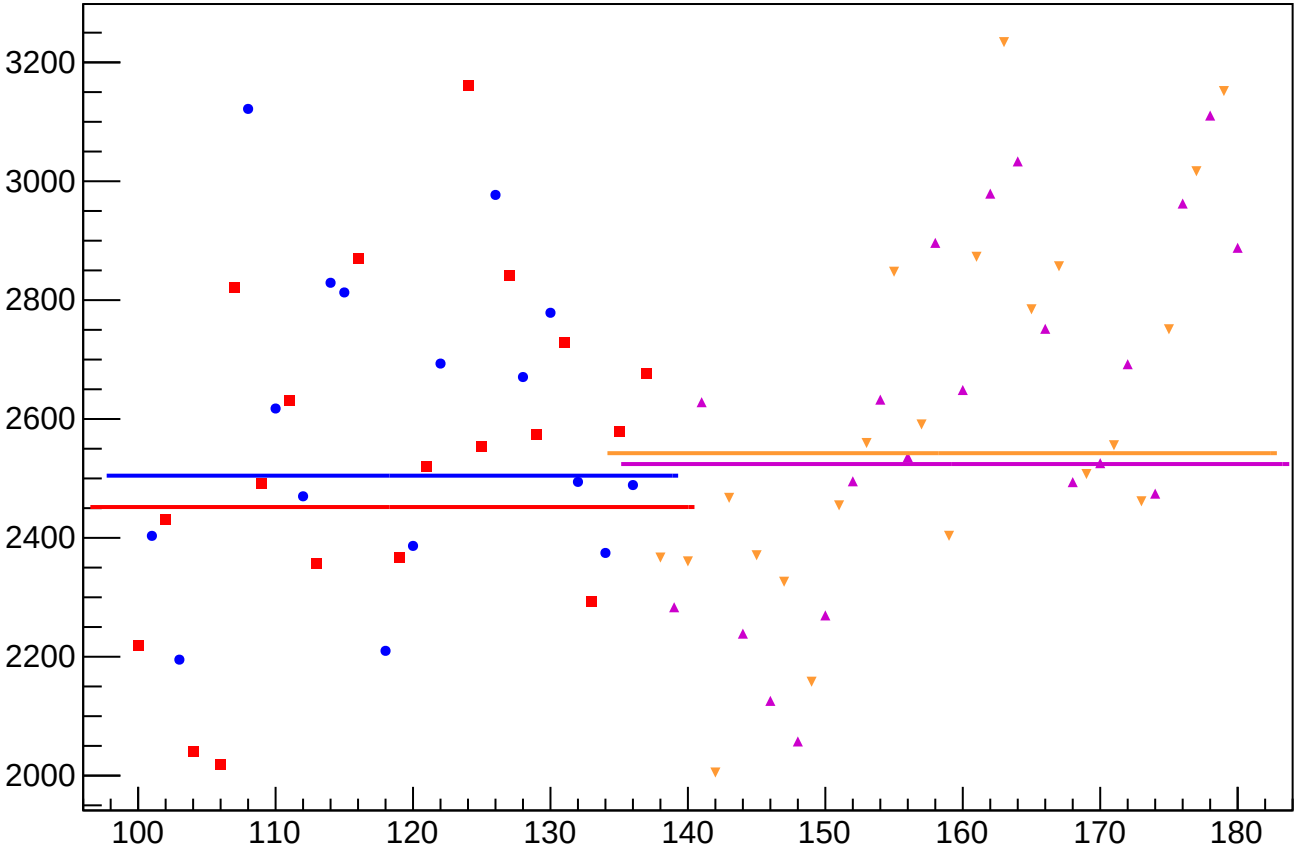
Left In: 7.414+/-0.615 χ^2/NDF:329.0/20

+ sign 0.591+/-0.513 χ^2/NDF: 1819.8/37

All: -0.902+/-0.361 χ^2/NDF: 3532.5/77

- 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: 2542.490+/-0.433 χ^2/NDF:425284.3/21

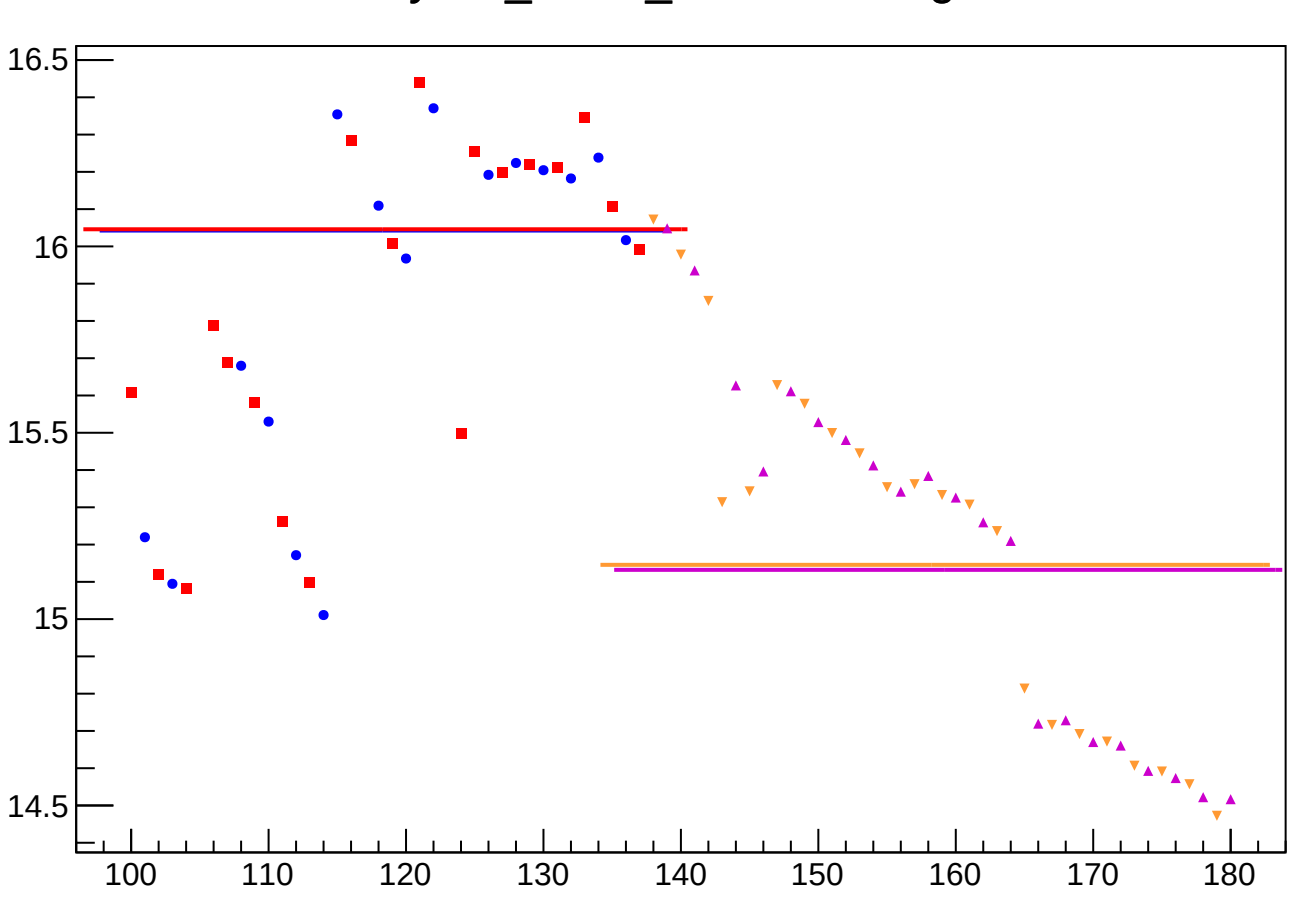
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2524.208+/-0.435 χ^2/NDF:451832.4/20

+ sign 2531.151+/-0.363 χ^2/NDF: 554168.3/37

All: 2516.082+/-0.255 χ^2/NDF: 1171432.9/77

- 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: 15.146+/-0.000 χ^2/NDF:36337318944.8/21

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

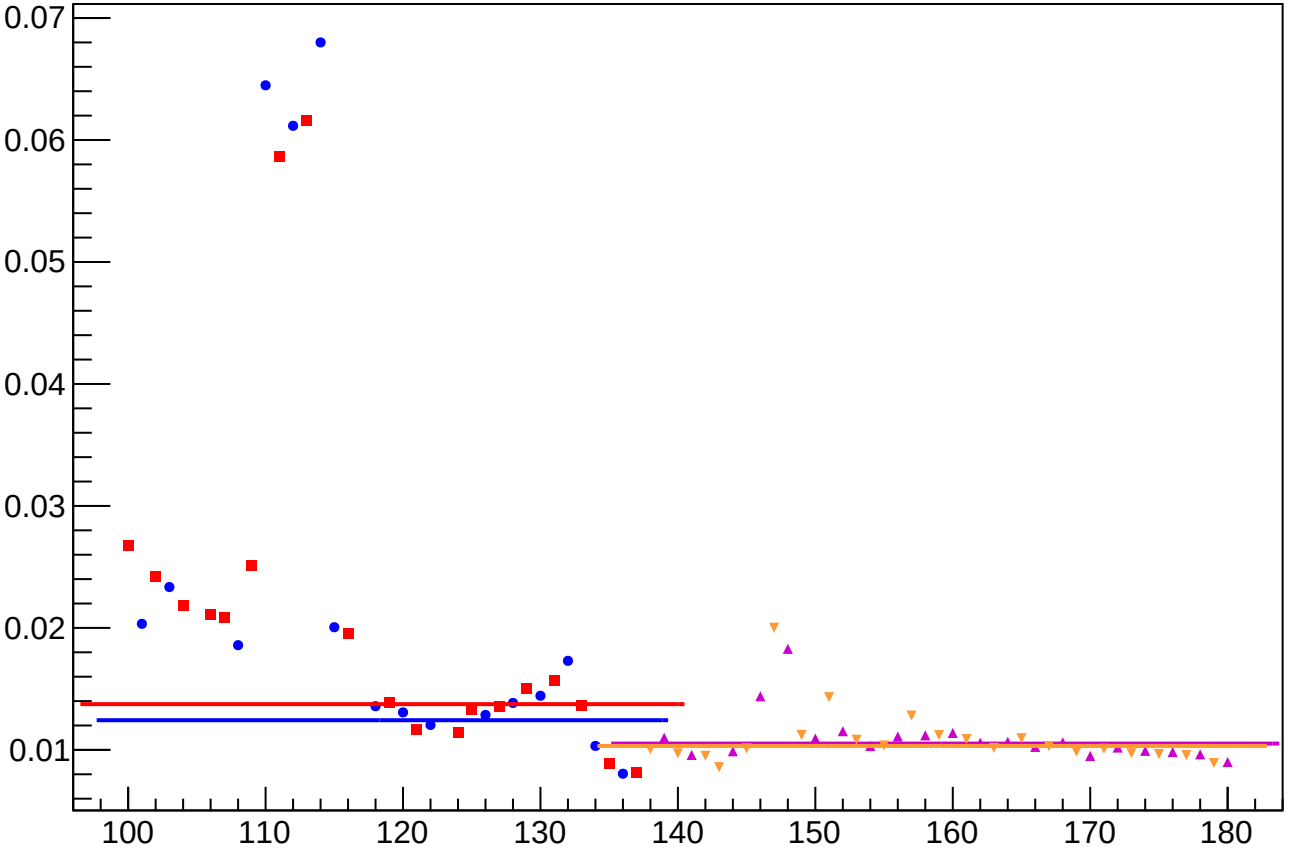
Left In: 15.132+/-0.000 χ^2/NDF:35271625970.3/20

+ sign 15.315+/-0.000 χ^2/NDF: 62428572928.6/37

All: 15.302+/-0.000 χ^2/NDF: 122146789655.

- 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:729675.7/21

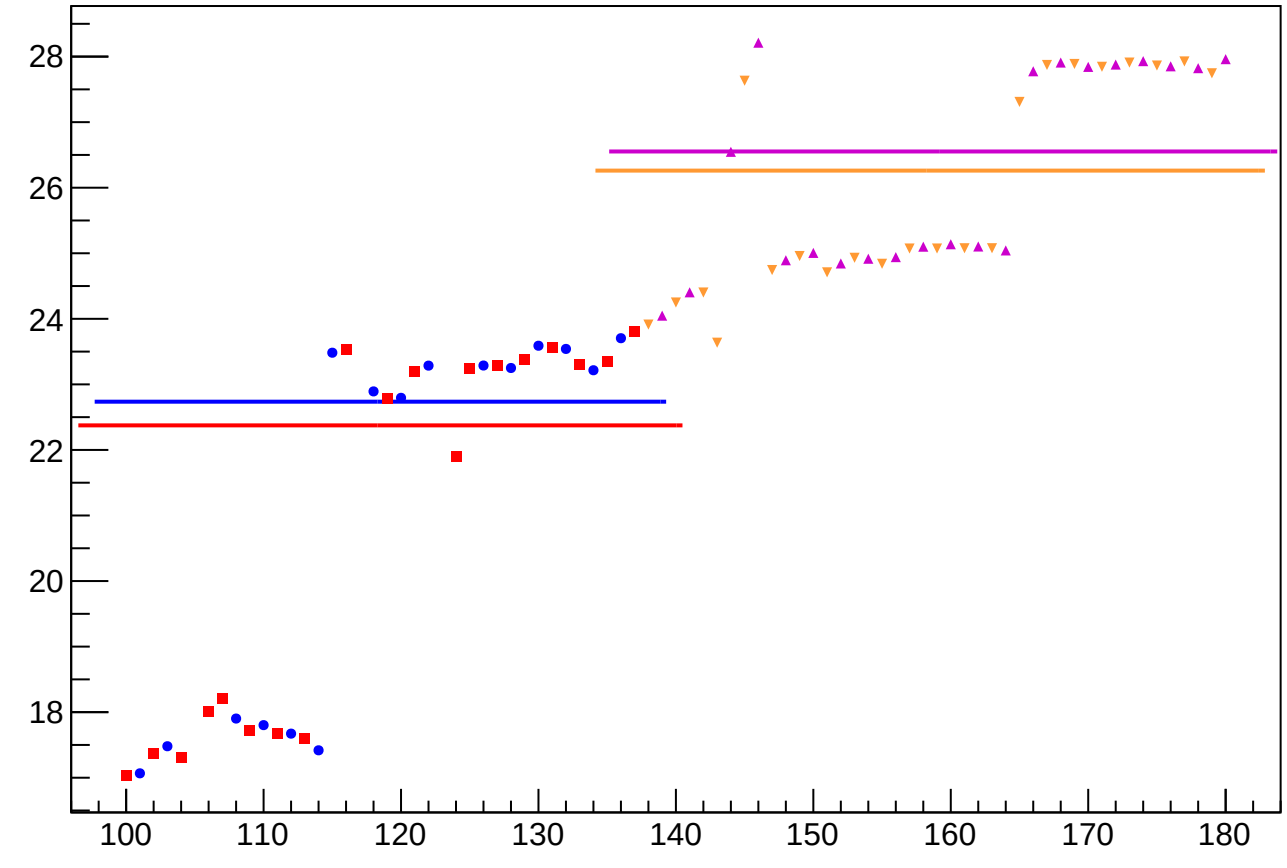
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:558224.6/20

+ sign 0.011+/-0.000 χ^2/NDF: 3303821.3/37

All: 0.011+/-0.000 χ^2/NDF: 6636301.7/77

- 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: 26.261+/-0.000 χ^2/NDF:3357488157.1/21

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

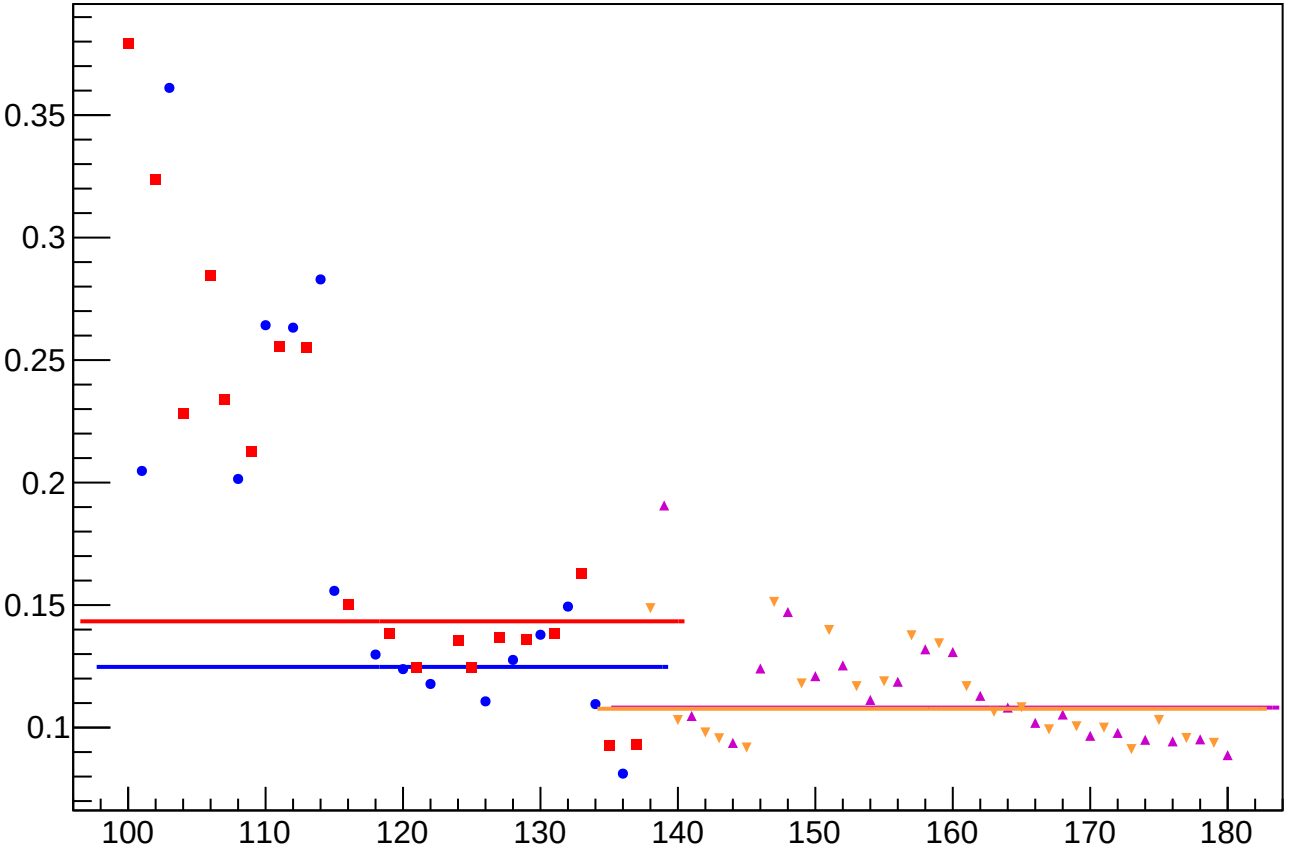
Left In: 26.553+/-0.000 χ^2/NDF:2696569204.2/20

+ sign 25.519+/-0.000 χ^2/NDF: 7948373547.2/37

All: 25.652+/-0.000 χ^2/NDF: 15911710534.8

- 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: 0.108+/-0.000 χ^2/NDF:678575.6/21

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

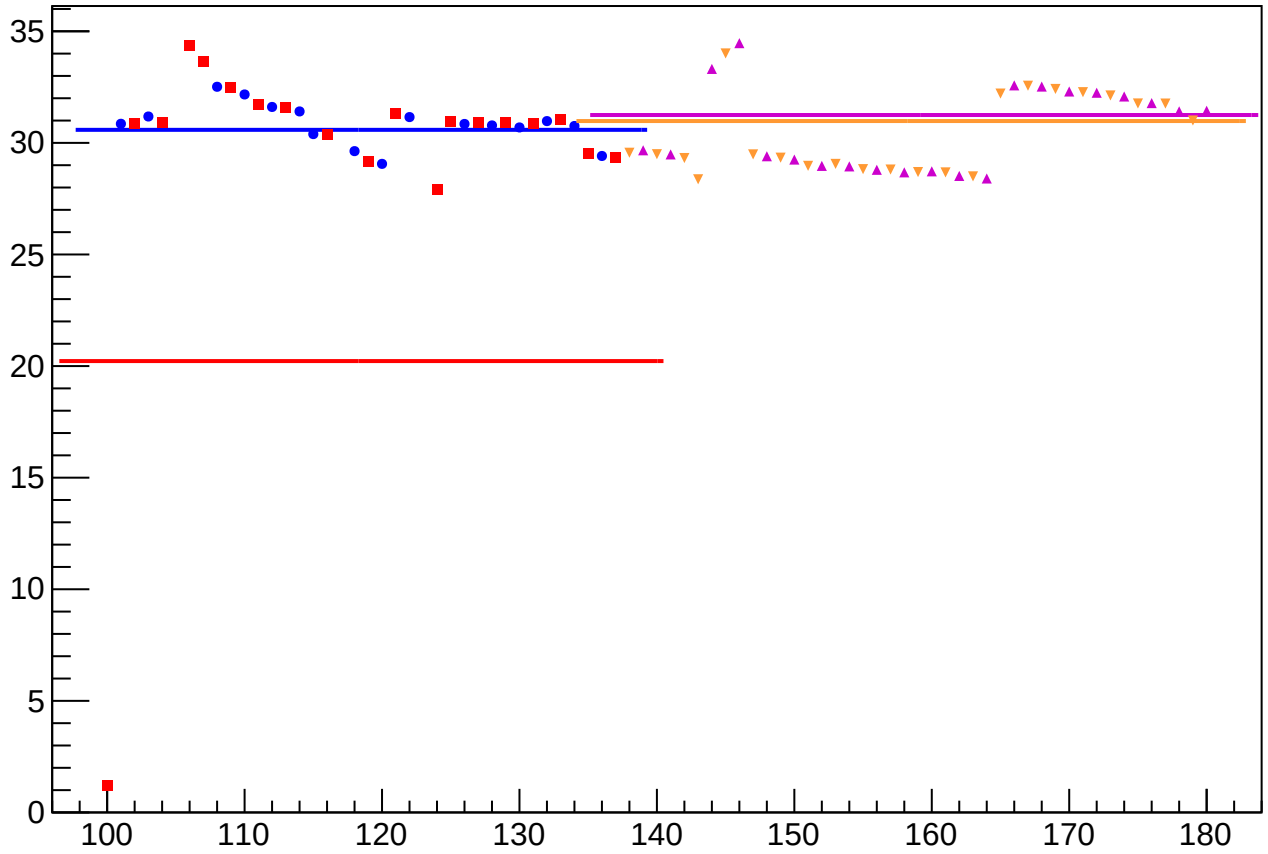
Left In: 0.108+/-0.000 χ^2/NDF:833393.8/20

+ sign 0.111+/-0.000 χ^2/NDF: 2586574.7/37

All: 0.113+/-0.000 χ^2/NDF: 5574353.5/77

- 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: 30.978+/-0.000 χ^2/NDF:11786753513.7/21

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

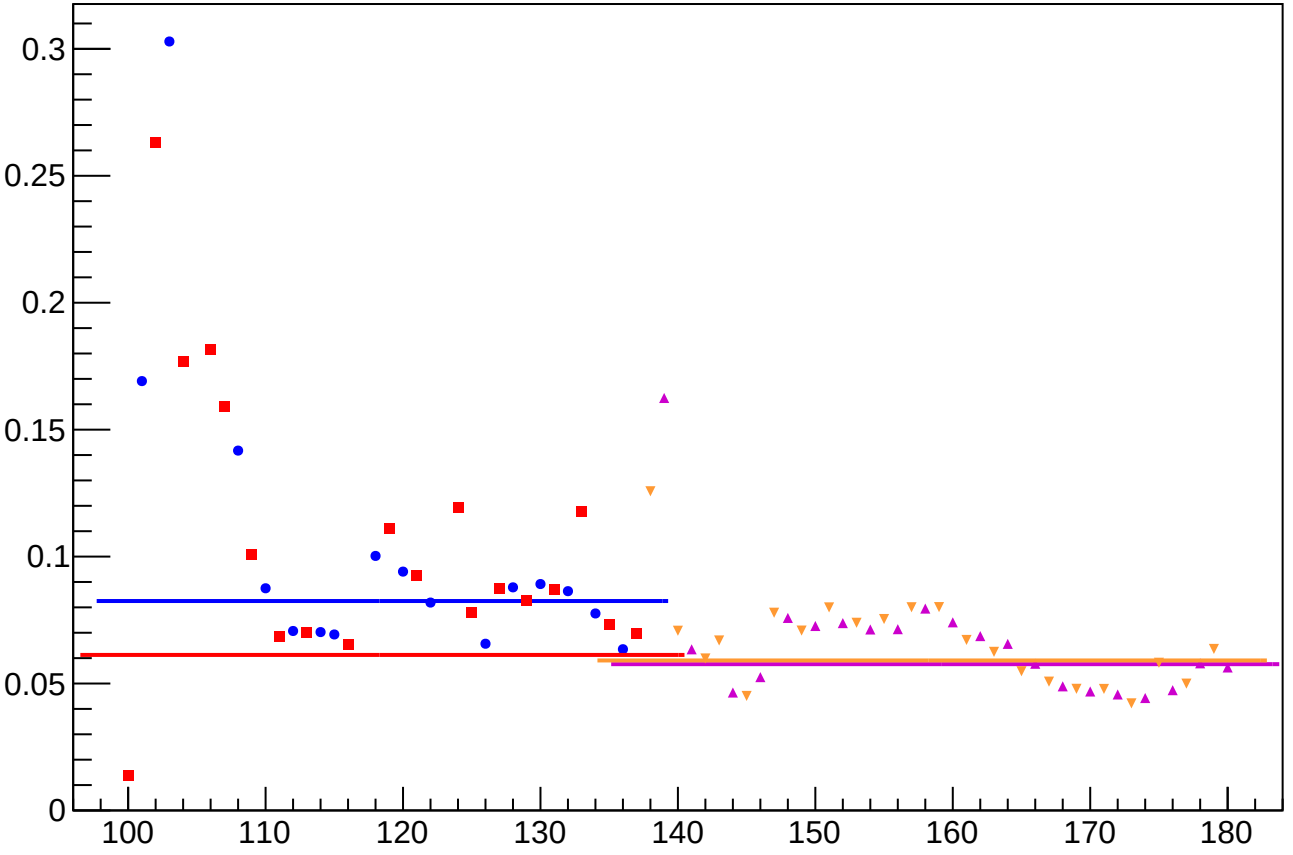
Left In: 31.249+/-0.000 χ^2/NDF:12572487942.1/20

+ sign 30.912+/-0.000 χ^2/NDF: 12538780969.1/37

All: 29.835+/-0.000 χ^2/NDF: 360006358784.

- 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:1503722.3/21

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

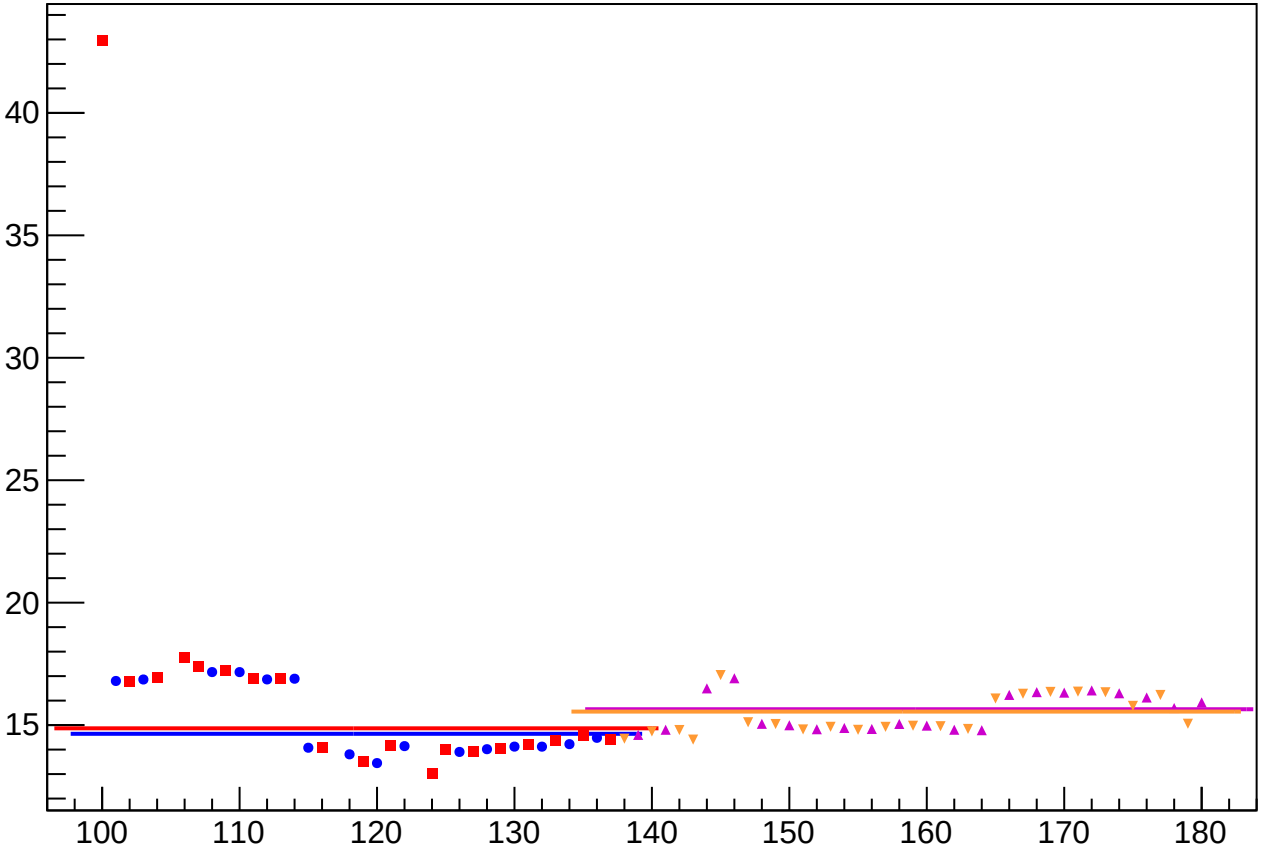
Left In: 0.058+/-0.000 χ^2/NDF:1695934.7/20

+ sign 0.063+/-0.000 χ^2/NDF: 3470062.9/37

All: 0.061+/-0.000 χ^2/NDF: 9305169.5/77

- 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: 15.552+/-0.000 χ^2/NDF:2176771571.1/21

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

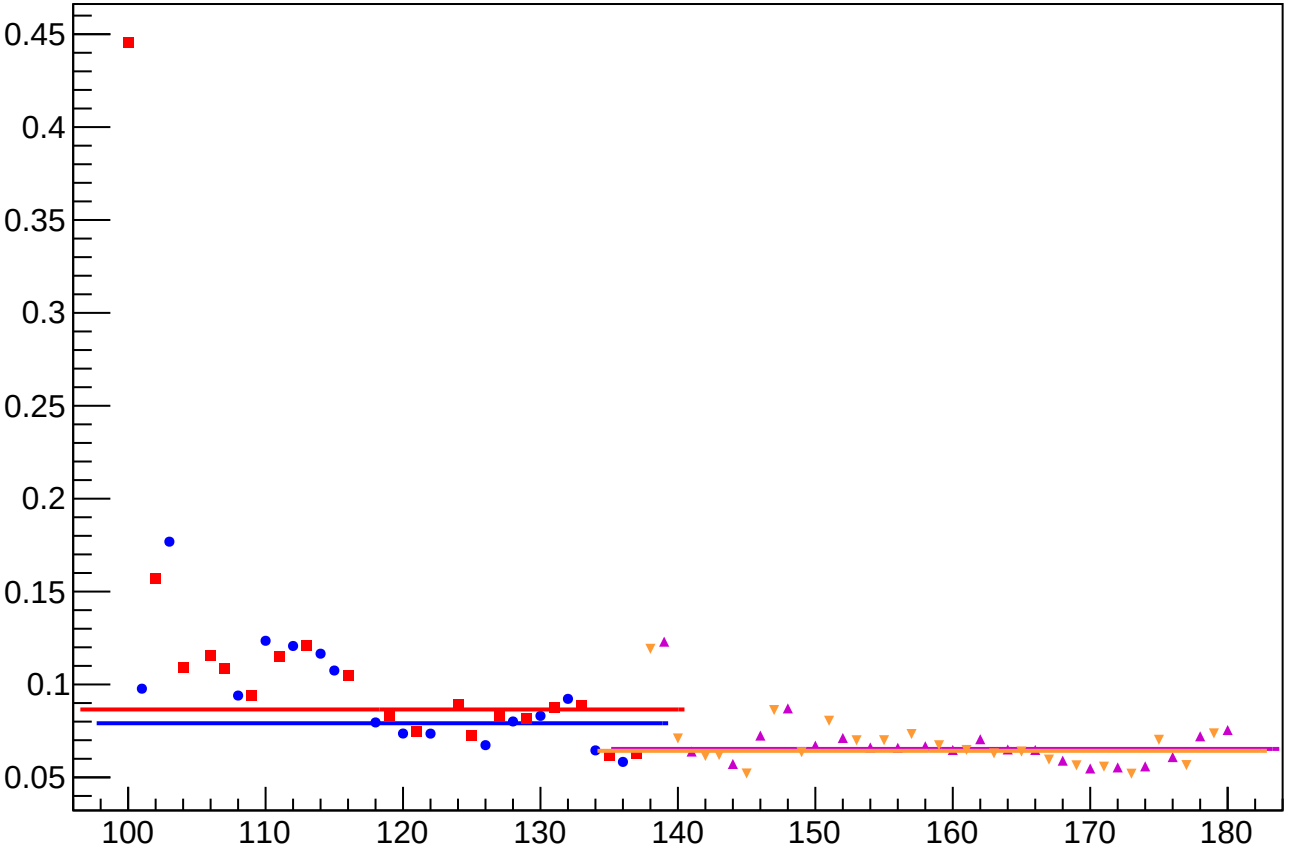
Left In: 15.647+/-0.000 χ^2/NDF:1842819889.4/20

+ sign 15.362+/-0.000 χ^2/NDF: 3982095974.0/37

All: 15.428+/-0.000 χ^2/NDF: 7996426747.1/7

- 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: 0.064+/-0.000 χ^2/NDF:795070.5/21

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

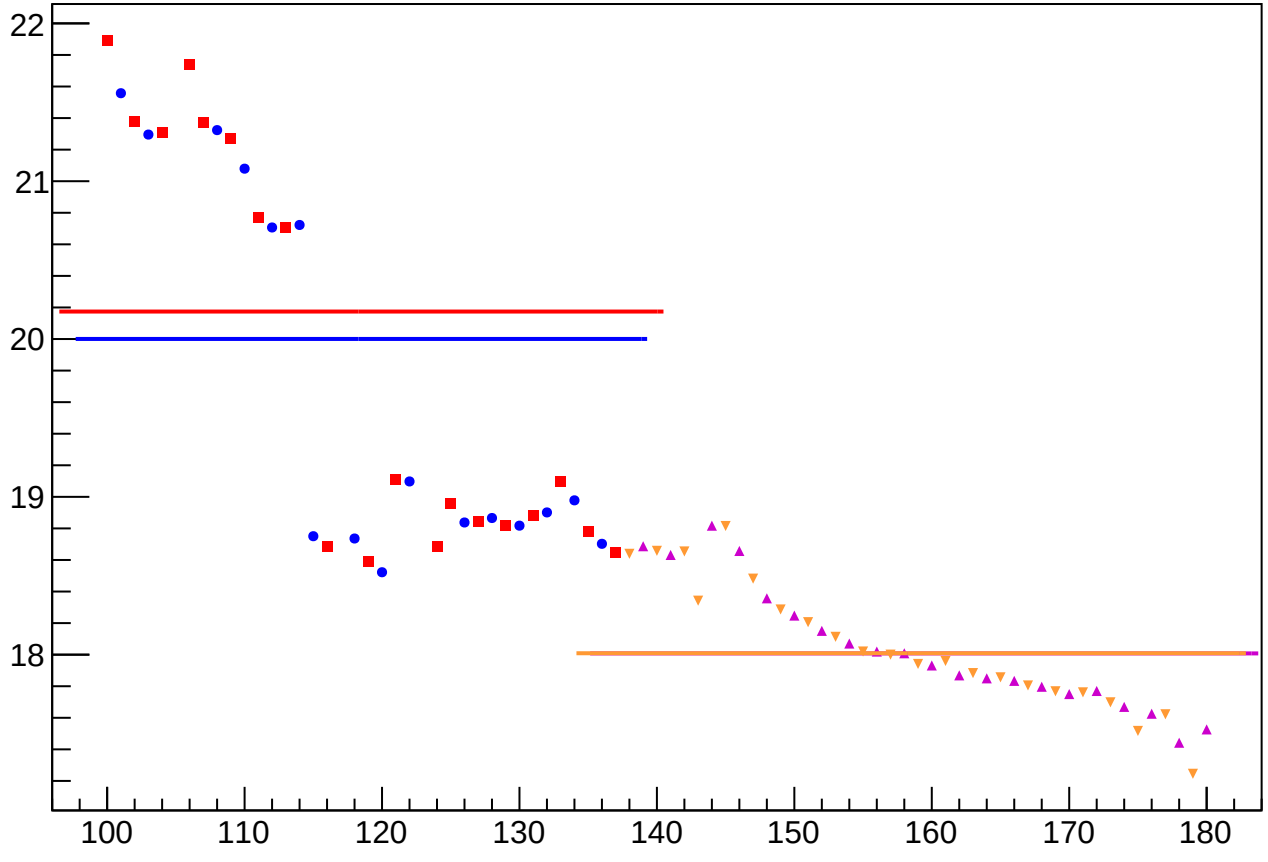
Left In: 0.065+/-0.000 χ^2/NDF:725790.0/20

+ sign 0.067+/-0.000 χ^2/NDF: 2040482.3/37

All: 0.068+/-0.000 χ^2/NDF: 4174784.9/77

- 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: 18.009+/-0.000 χ^2/NDF:2643796053.0/21

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

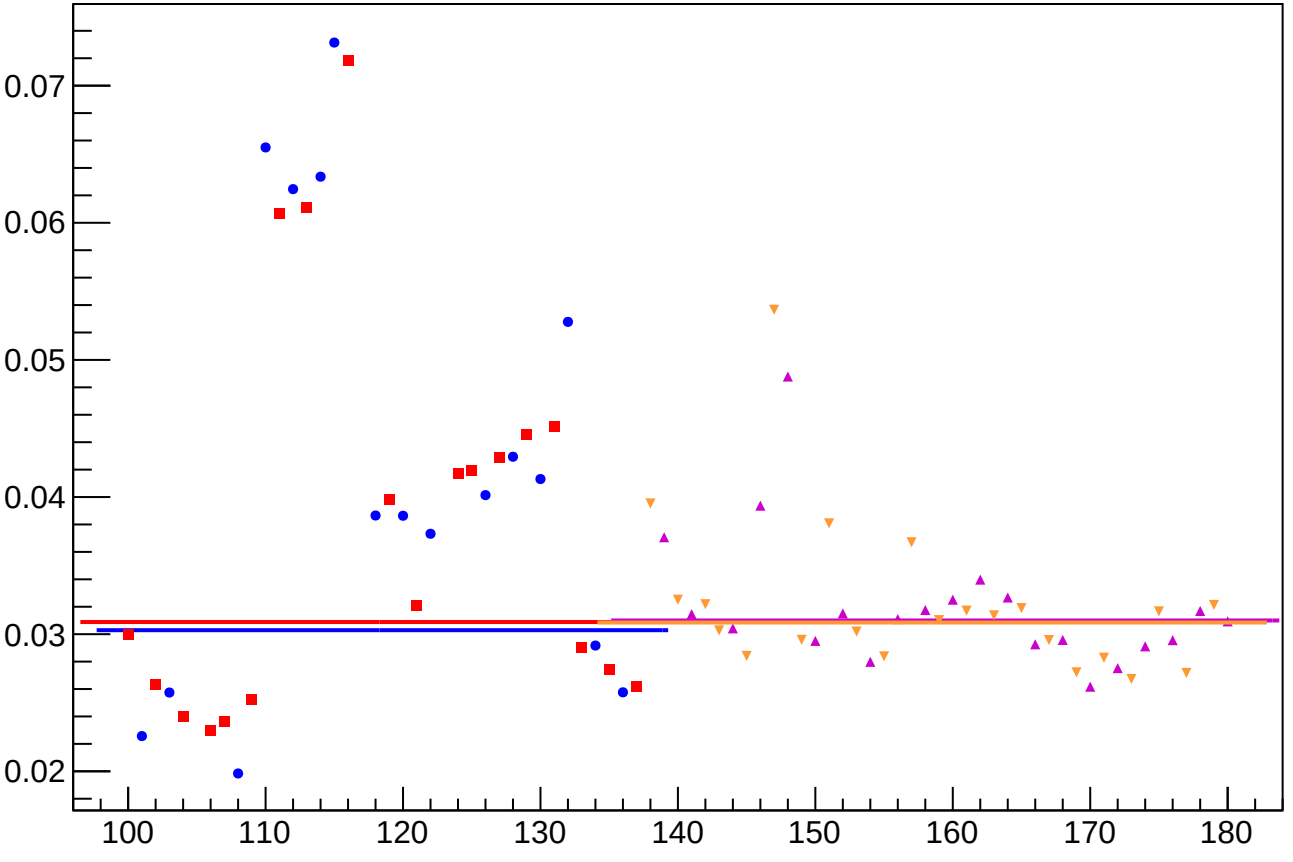
Left In: 18.008+/-0.000 χ^2/NDF:2452286861.2/20

+ sign 18.552+/-0.000 χ^2/NDF: 32275832453.4/37

All: 18.580+/-0.000 χ^2/NDF: 67298111304.8

- 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:605415.3/21

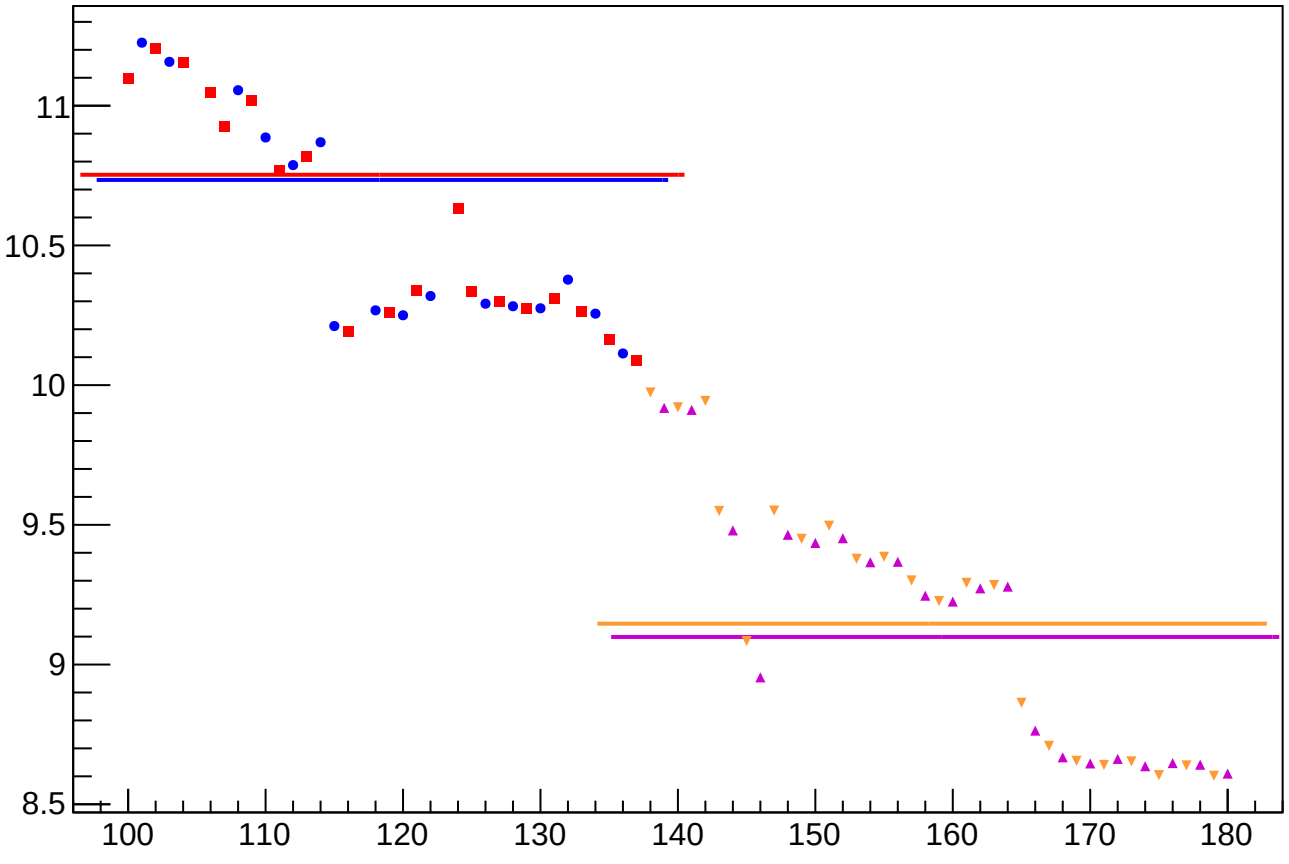
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:470001.9/20

+ sign 0.031+/-0.000 χ^2/NDF: 2055758.6/37

All: 0.031+/-0.000 χ^2/NDF: 3732341.5/77

- 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: 9.146+/-0.000 χ^2/NDF:8794126365.8/21

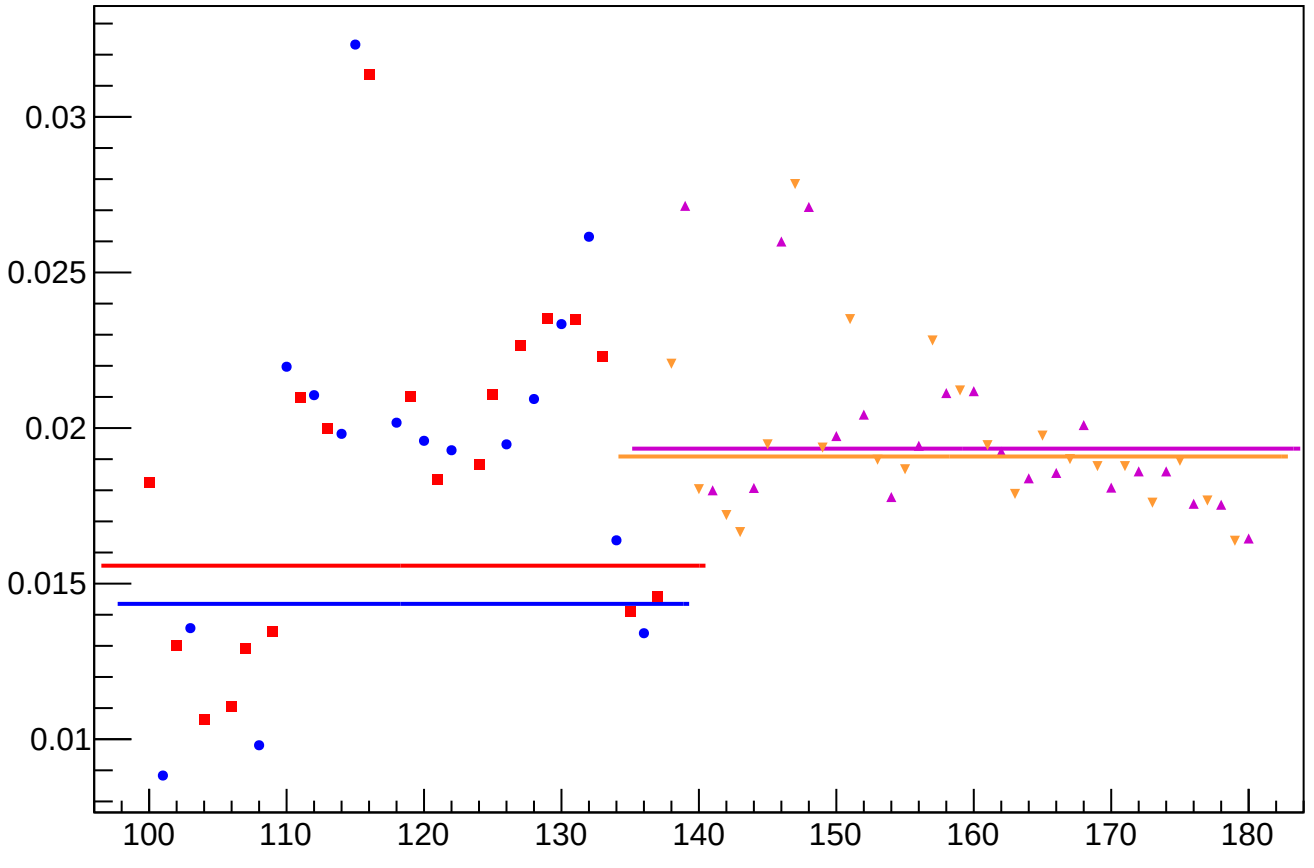
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.099+/-0.000 χ^2/NDF:7417342882.8/20

+ sign 9.763+/-0.000 χ^2/NDF: 57285045295.1/37

All: 9.746+/-0.000 χ^2/NDF: 112364883490.4

- sign 9.727+/-0.000 χ^2/NDF: 55036271224.2/39



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:412045.9/21

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

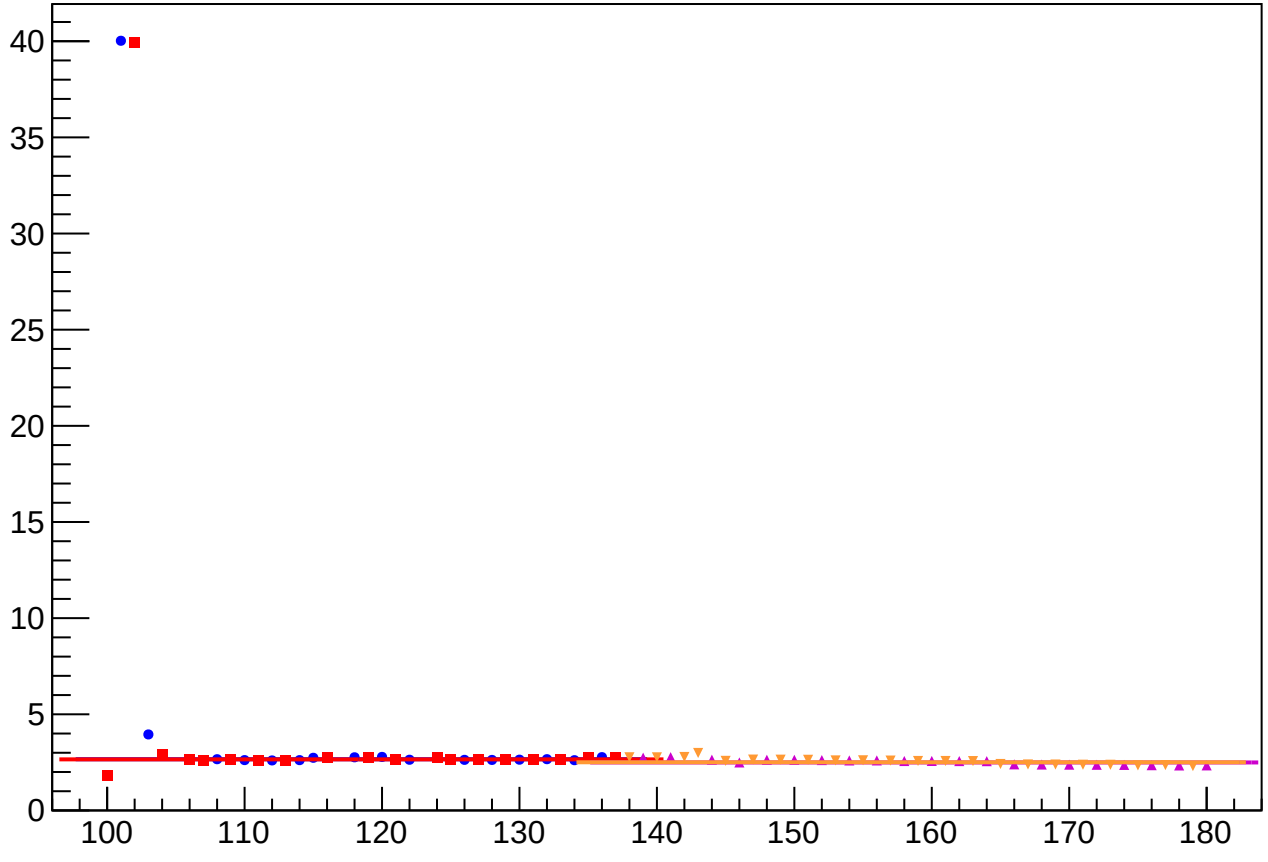
Left In: 0.019+/-0.000 χ^2/NDF:527437.2/20

+ sign 0.017+/-0.000 χ^2/NDF: 2651820.1/37

All: 0.018+/-0.000 χ^2/NDF: 4729034.7/77

- sign 0.018+/-0.000 χ^2/NDF: 2046968.8/39

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.506+/-0.000 χ^2/NDF:85100255116.0/21

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

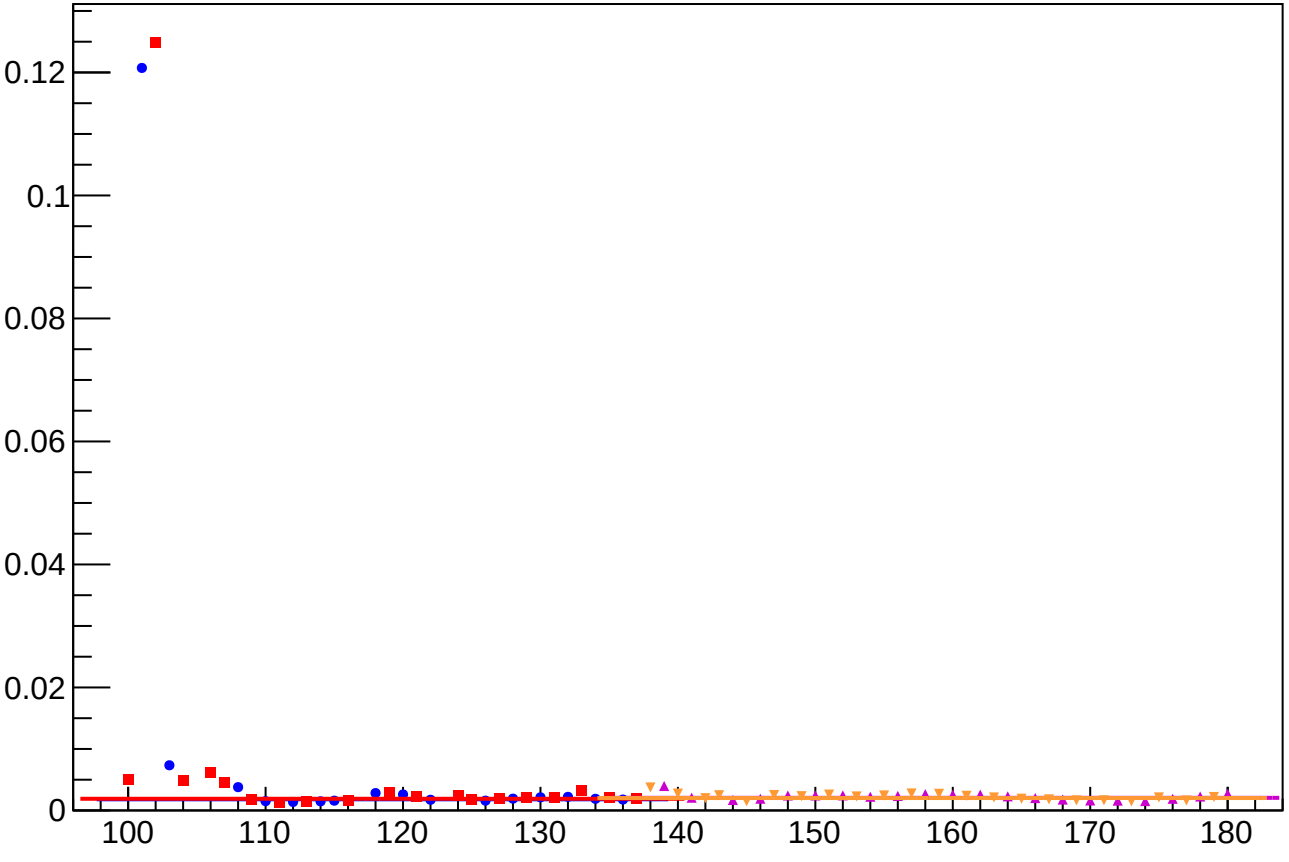
Left In: 2.496+/-0.000 χ^2/NDF:57282662944.1/20

+ sign 2.552+/-0.000 χ^2/NDF: 178405790003.6/37

All: 2.548+/-0.000 χ^2/NDF: 326258547711.4

- 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:1462937.9/21

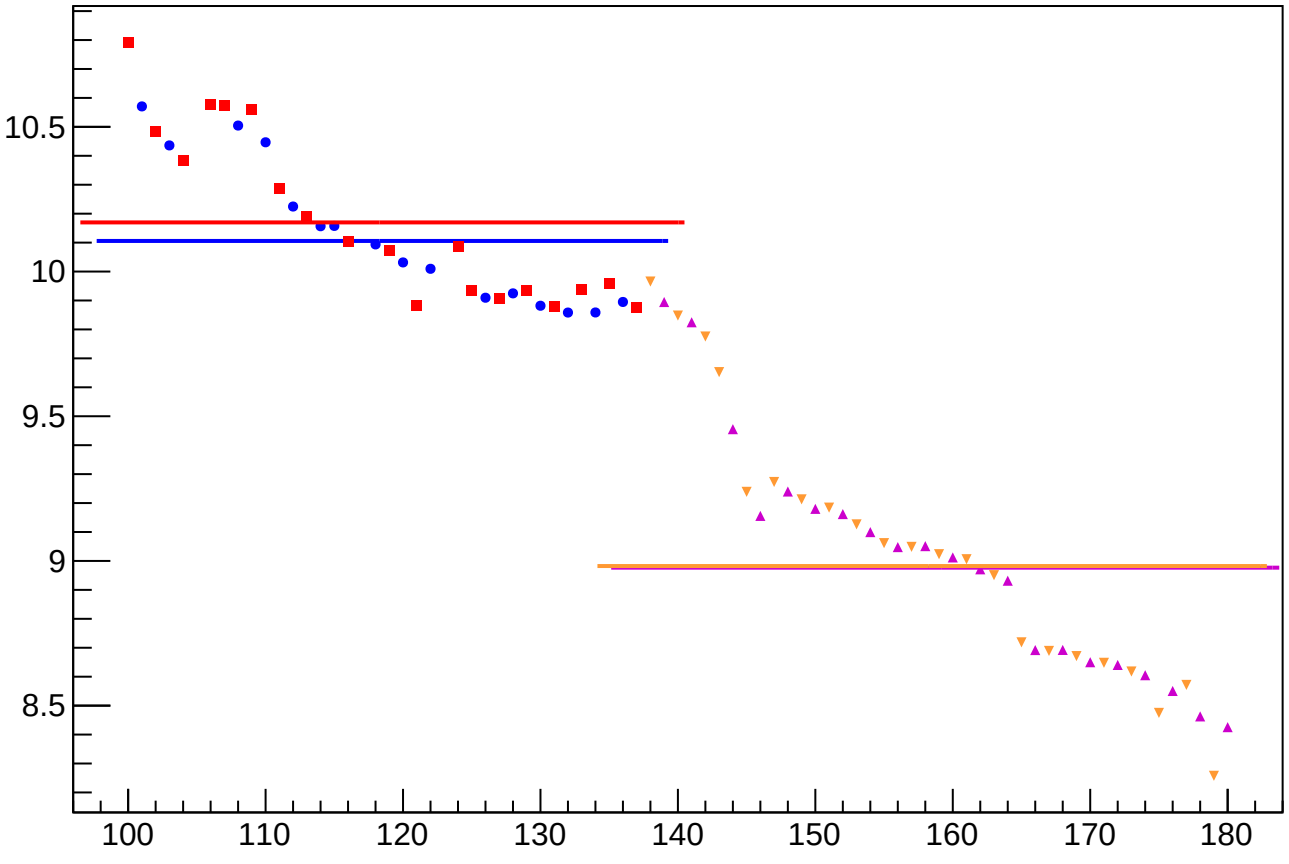
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1331154.6/20

+ sign 0.002+/-0.000 χ^2/NDF: 3370570.1/37

All: 0.002+/-0.000 χ^2/NDF: 7283751.4/77

- 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: 8.982+/-0.000 χ^2/NDF:58018828654.2/21

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

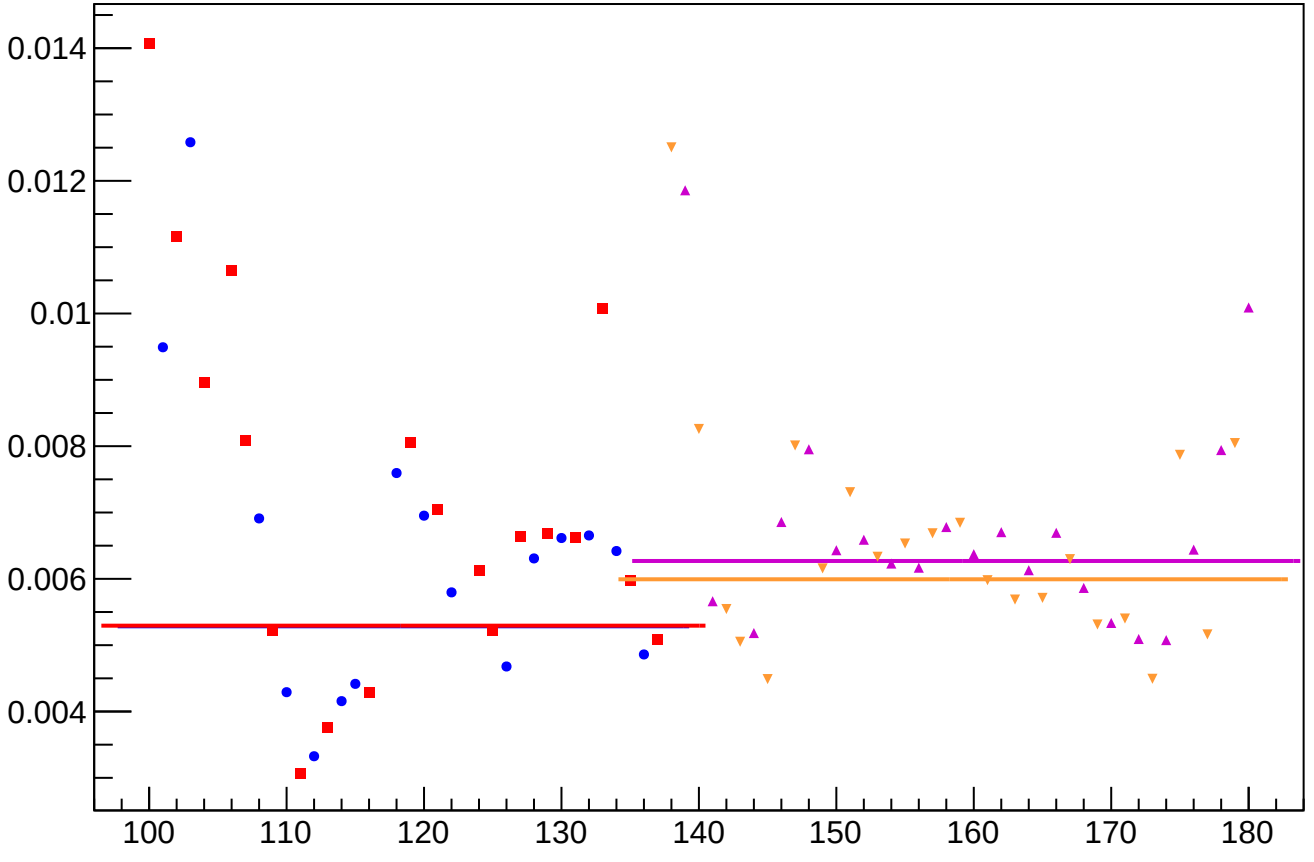
Left In: 8.977+/-0.000 χ^2/NDF:46749621065.8/20

+ sign 9.357+/-0.000 χ^2/NDF: 229772606191.0/37

All: 9.381+/-0.000 χ^2/NDF: 465697191091.7

- 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:1235641.4/21

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

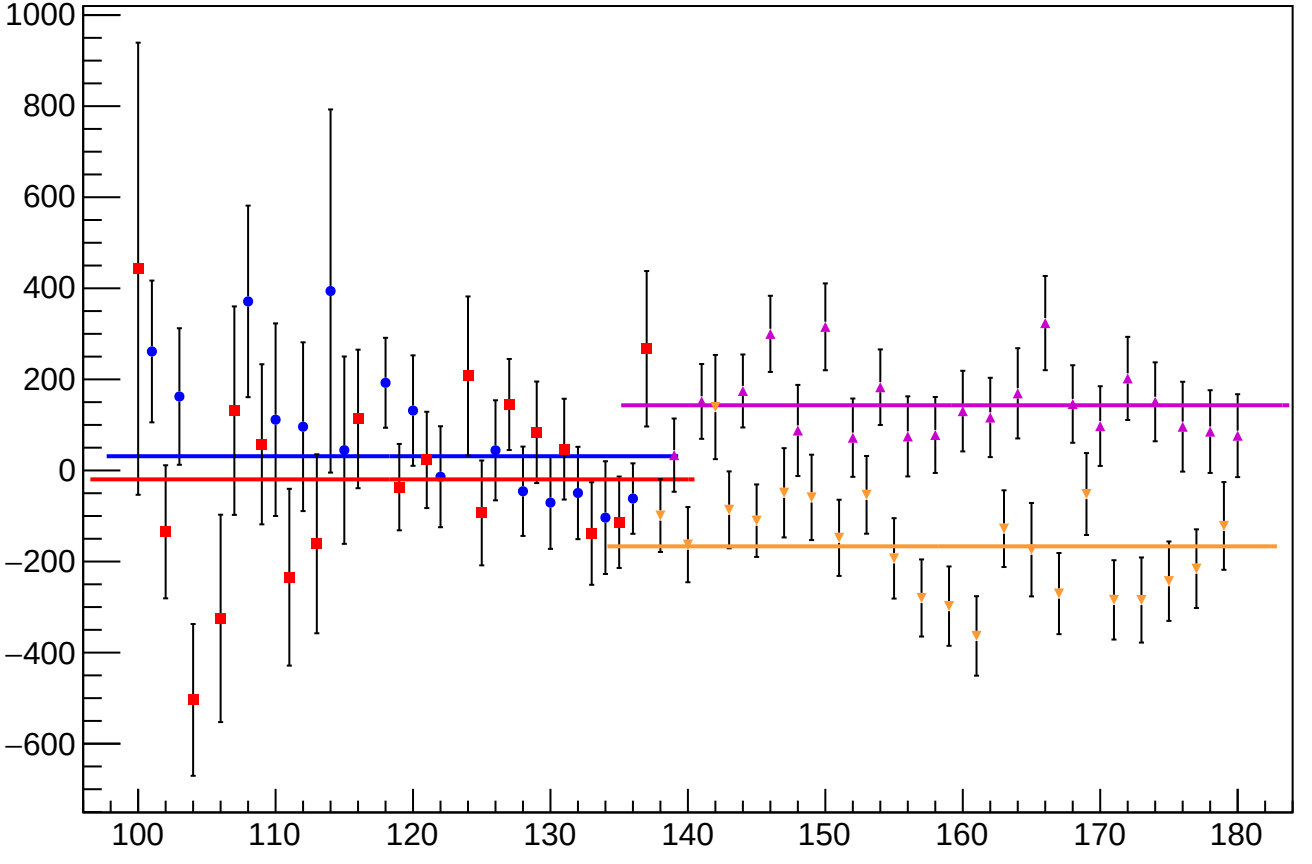
Left In: 0.006+/-0.000 χ^2/NDF:1007128.5/20

+ sign 0.006+/-0.000 χ^2/NDF: 2639267.5/37

All: 0.006+/-0.000 χ^2/NDF: 5693043.6/77

- 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: -166.607+/-18.857 χ^2/NDF:31.0/21

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

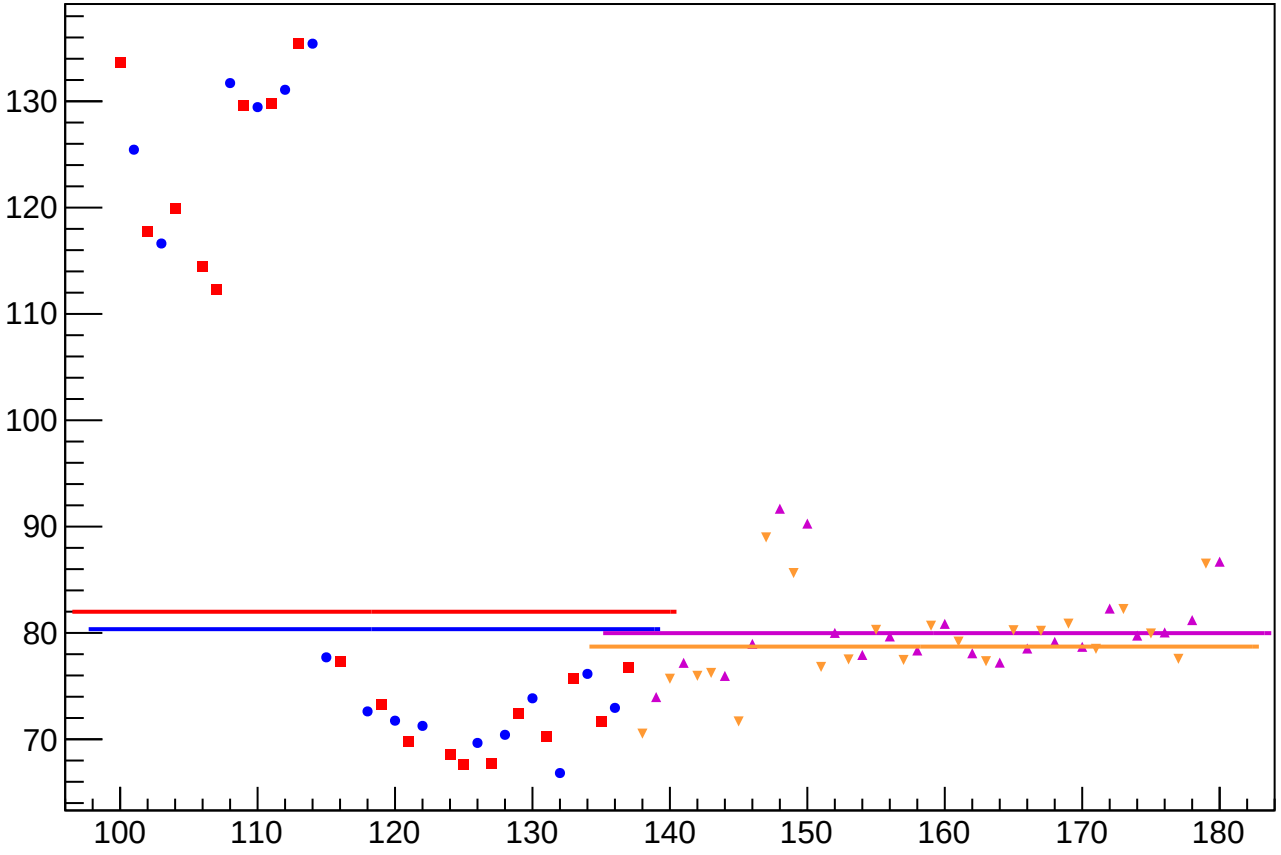
Left In: 143.134+/-19.295 χ^2/NDF:16.3/20

+ sign -112.627+/-16.081 χ^2/NDF: 76.1/37

All: -9.405+/-11.478 χ^2/NDF: 222.1/77

- 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: 78.715+/-0.013 χ^2/NDF:98092.9/21

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

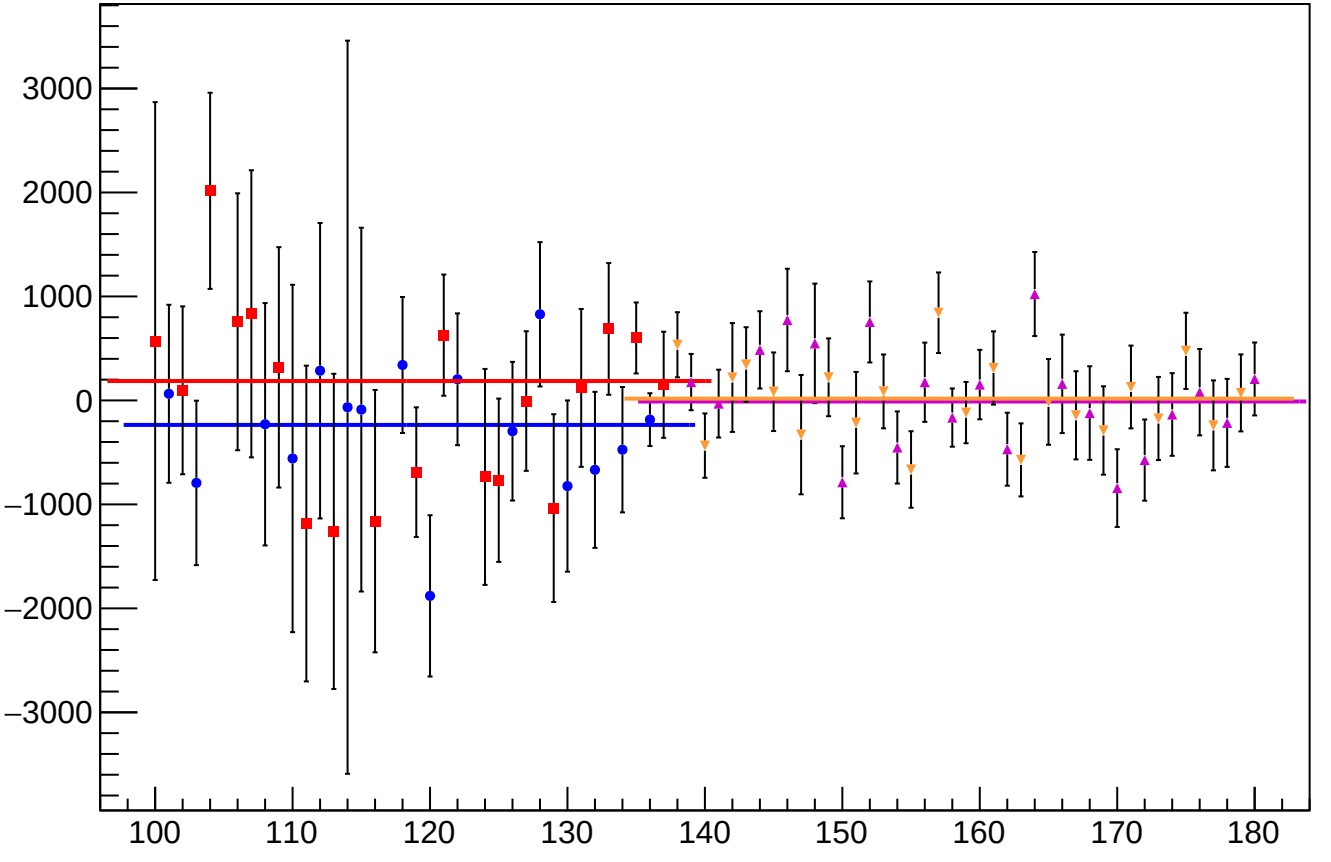
Left In: 79.980+/-0.014 χ^2/NDF:87800.8/20

+ sign 79.162+/-0.011 χ^2/NDF: 942252.9/37

All: 79.838+/-0.008 χ^2/NDF: 1975658.6/77

- 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: 17.333+/-80.913 χ^2/NDF:21.4/21

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

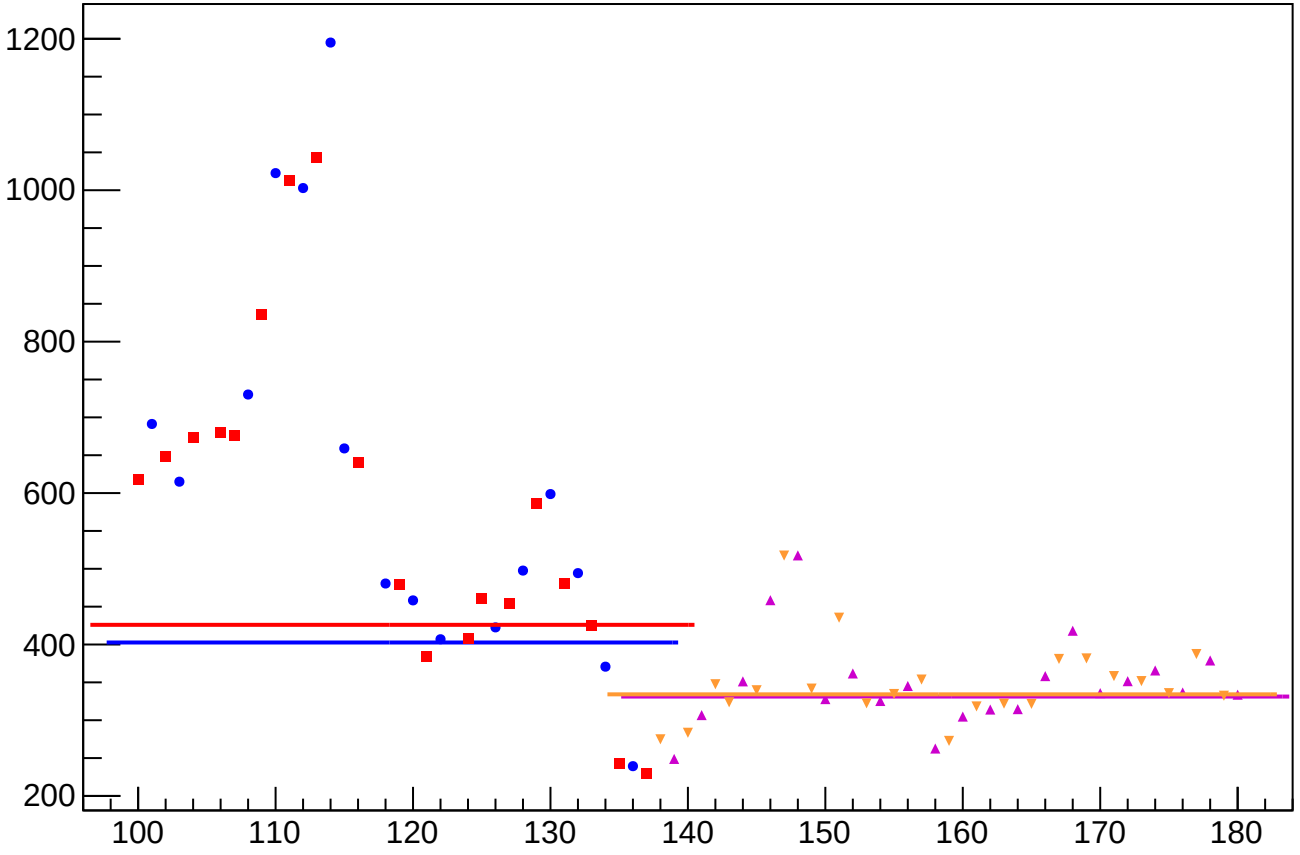
Left In: -10.276+/-80.990 χ^2/NDF:33.3/20

+ sign -32.281+/-72.542 χ^2/NDF: 33.3/37

All: -3.379+/-51.508 χ^2/NDF: 83.9/77

- 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: 334.178+/-0.057 χ^2/NDF:613421.0/21

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

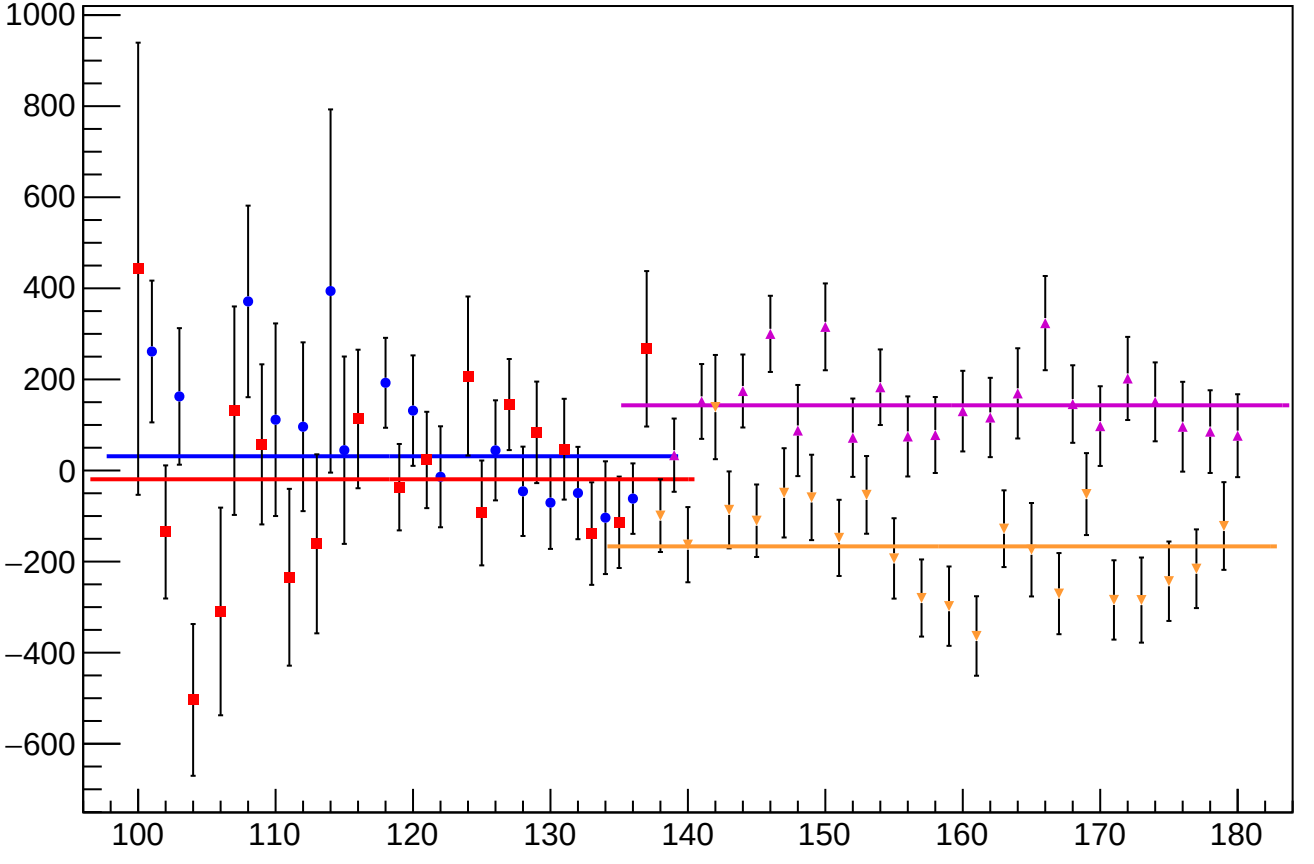
Left In: 331.256+/-0.057 χ^2/NDF:830057.9/20

+ sign 347.615+/-0.051 χ^2/NDF: 3254606.8/37

All: 348.159+/-0.036 χ^2/NDF: 6957853.2/77

- 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: -166.606+/-18.857 χ^2/NDF:31.0/21

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

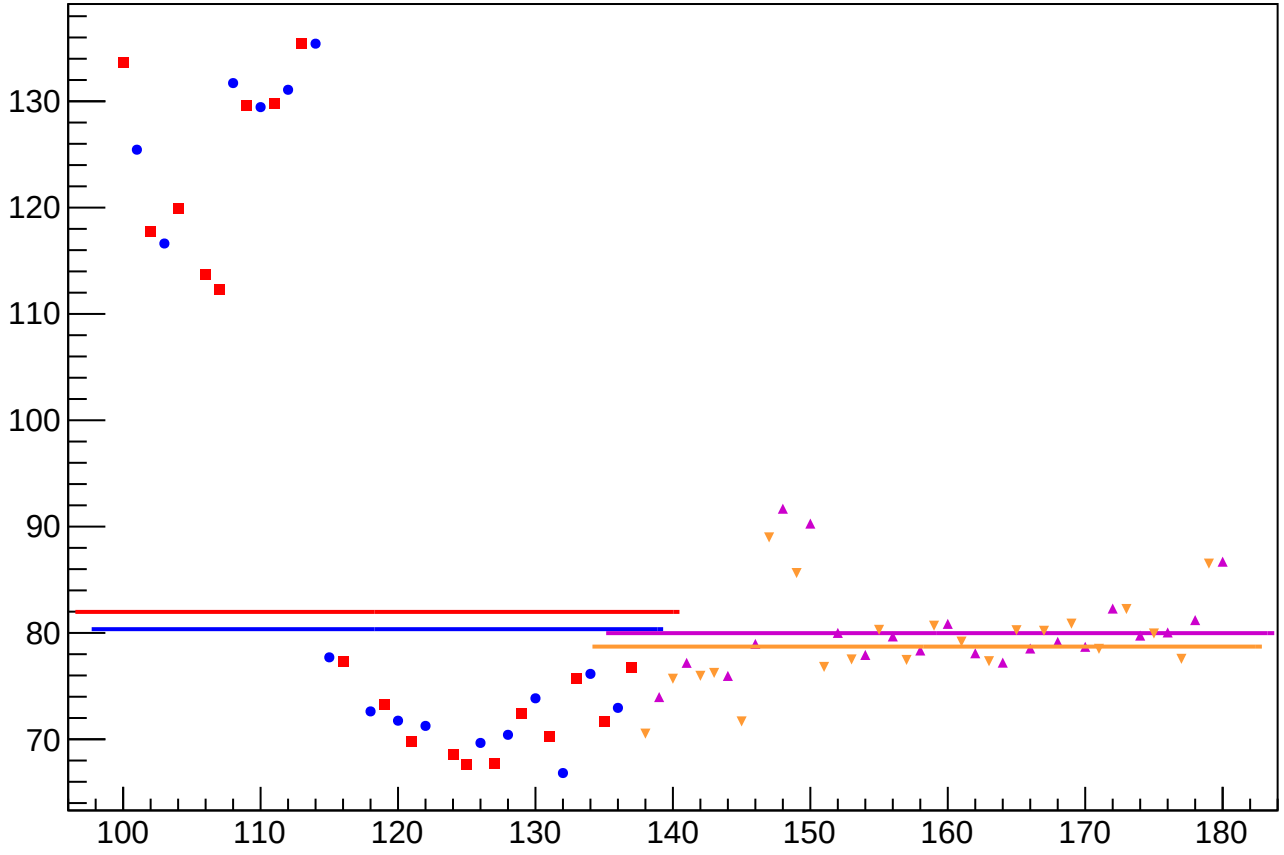
Left In: 143.139+/-19.295 χ^2/NDF:16.3/20

+ sign -112.623+/-16.081 χ^2/NDF: 76.1/37

All: -9.362+/-11.478 χ^2/NDF: 222.0/77

- 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: 78.715+/-0.013 χ^2/NDF:98092.9/21

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

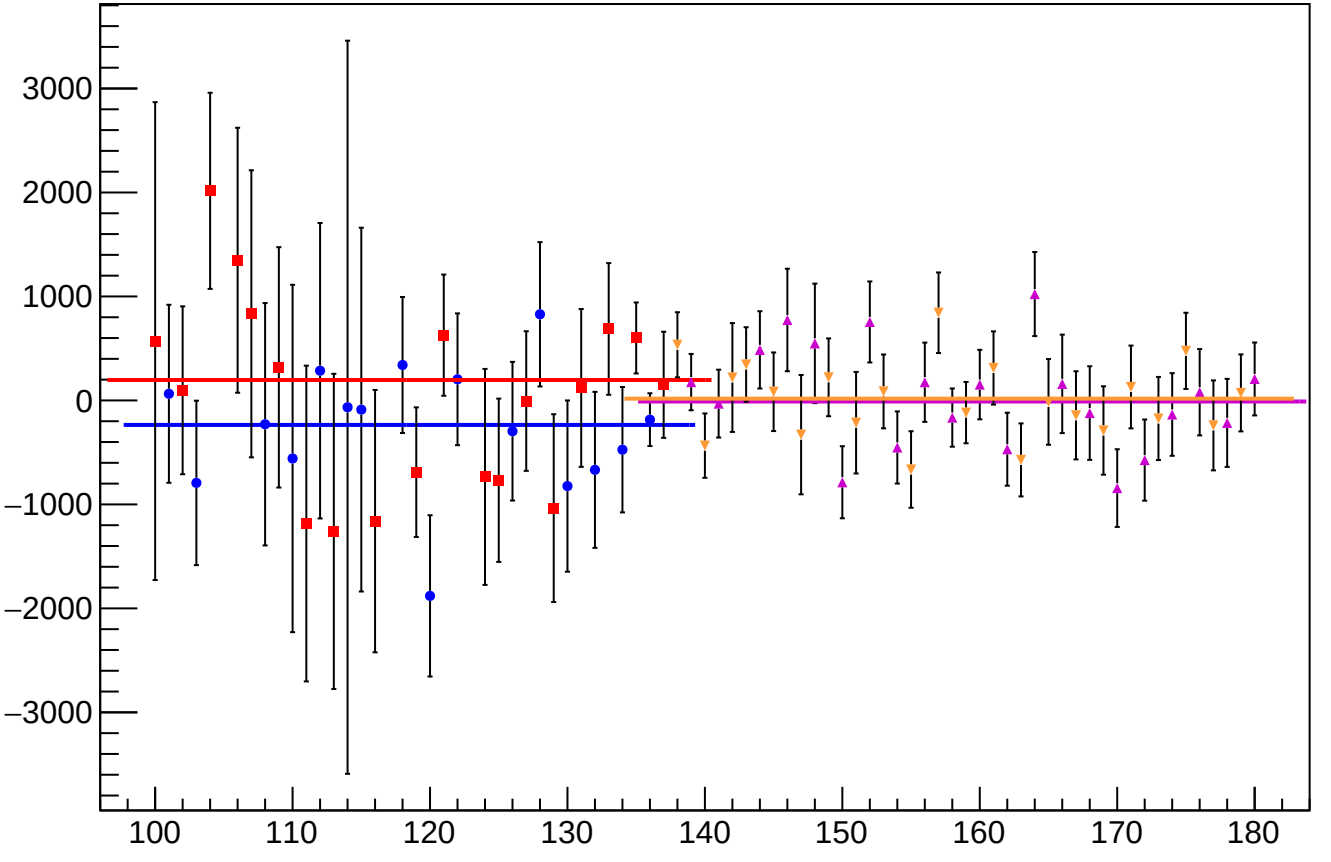
Left In: 79.980+/-0.014 χ^2/NDF:87800.8/20

+ sign 79.162+/-0.011 χ^2/NDF: 942253.1/37

All: 79.836+/-0.008 χ^2/NDF: 1973653.1/77

- 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: 17.331+/-80.913 χ^2/NDF:21.4/21

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

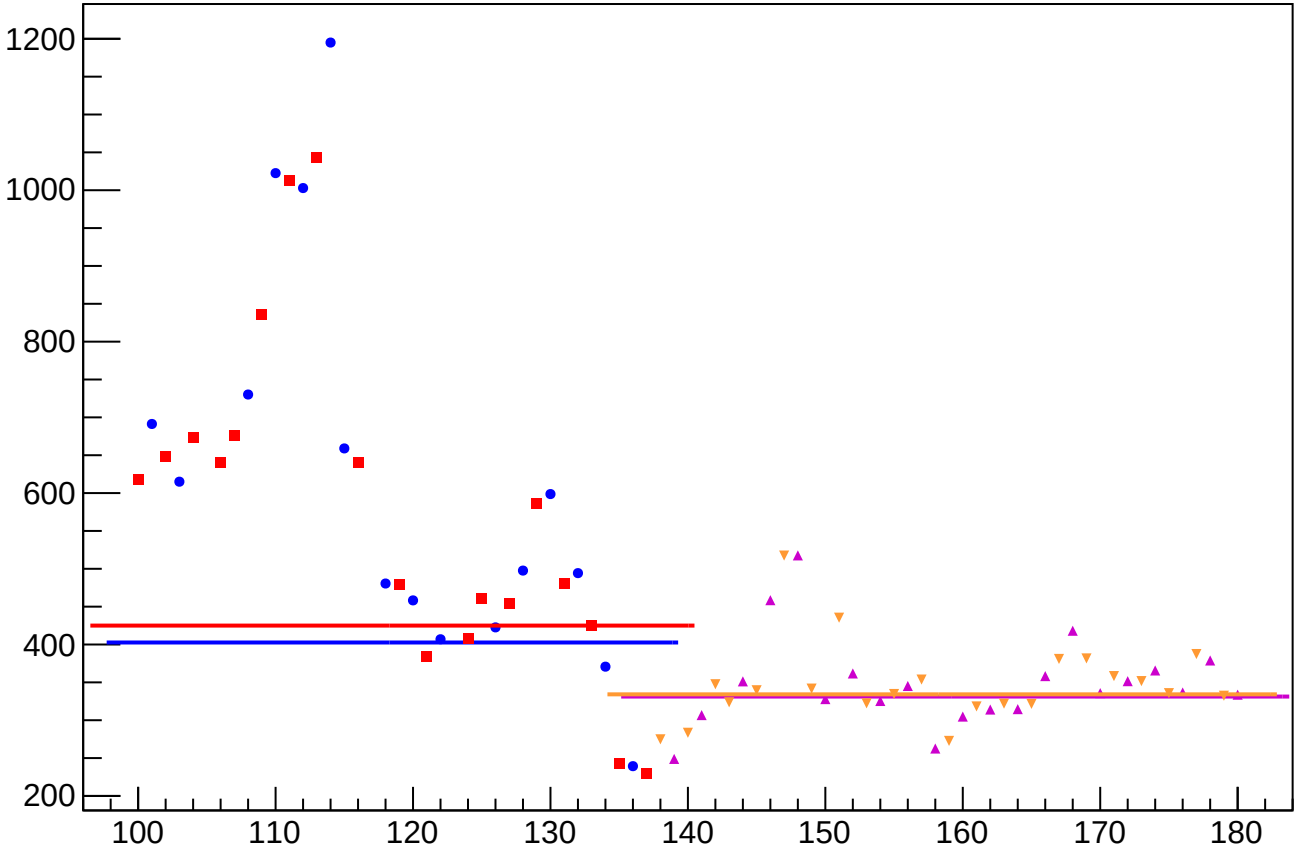
Left In: -10.271+/-80.990 χ^2/NDF:33.3/20

+ sign -32.283+/-72.542 χ^2/NDF: 33.3/37

All: -2.488+/-51.510 χ^2/NDF: 84.7/77

- 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: 334.178+/-0.057 χ^2/NDF:613429.4/21

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

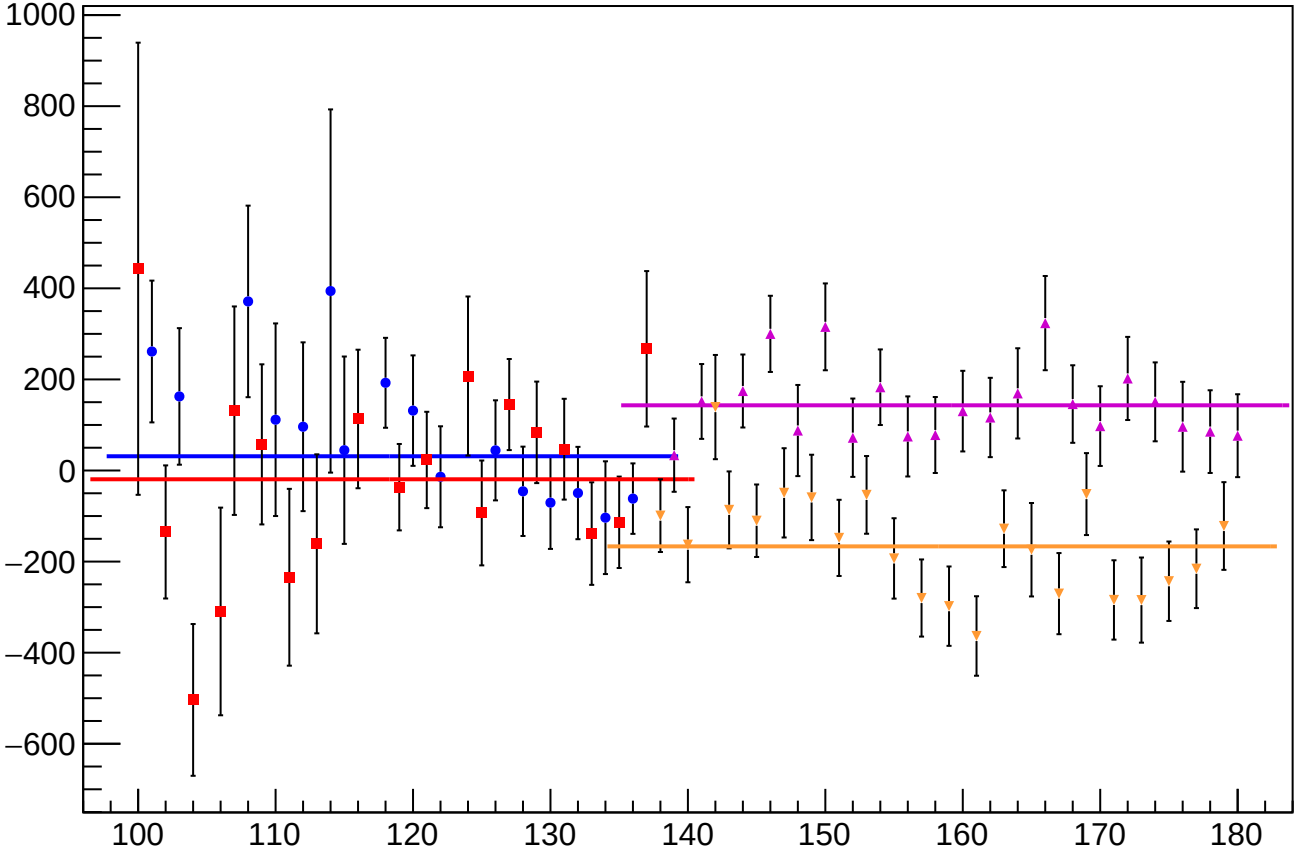
Left In: 331.256+/-0.057 χ^2/NDF:830058.3/20

+ sign 347.615+/-0.051 χ^2/NDF: 3254612.9/37

All: 348.060+/-0.036 χ^2/NDF: 6919052.4/77

- 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: -166.606+/-18.857 χ^2/NDF:31.0/21

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

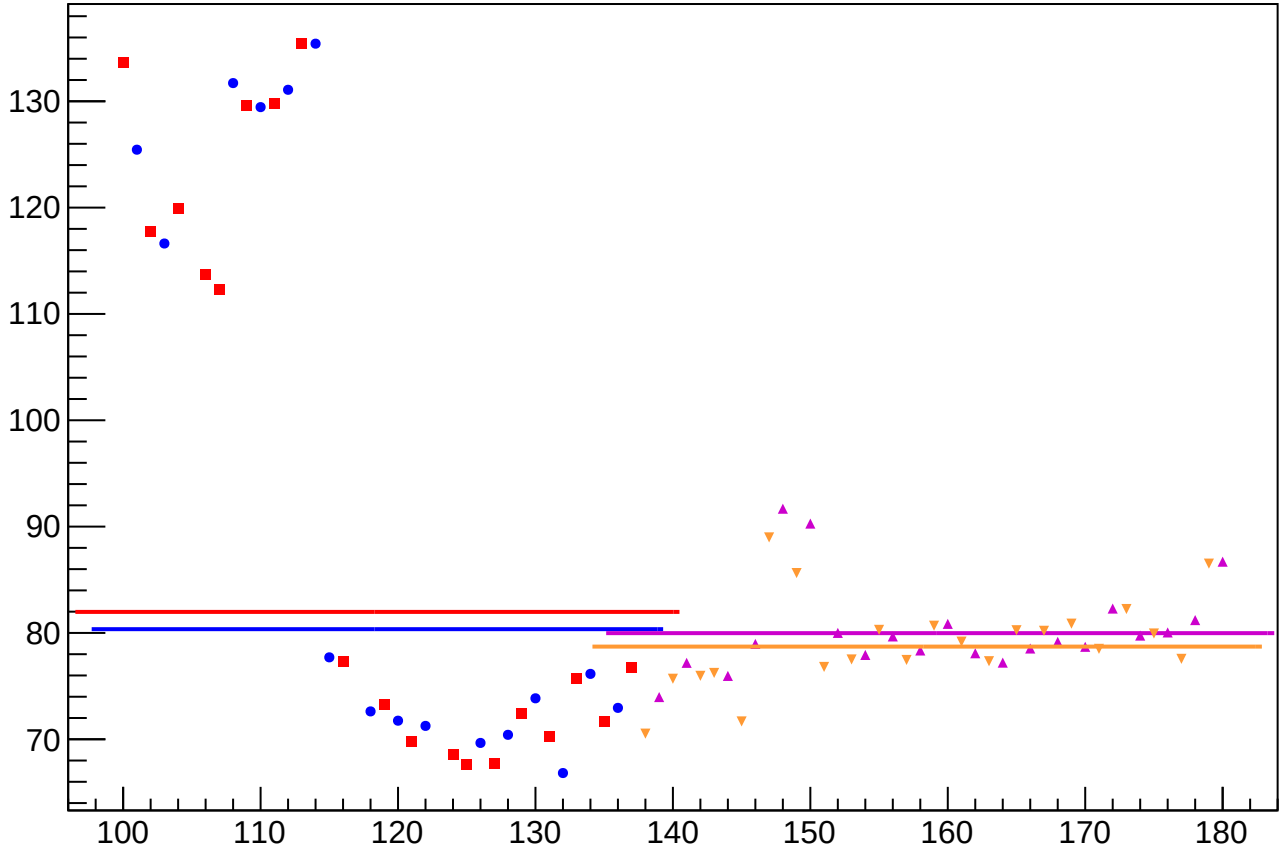
Left In: 143.139+/-19.295 χ^2/NDF:16.3/20

+ sign -112.623+/-16.081 χ^2/NDF: 76.1/37

All: -9.362+/-11.478 χ^2/NDF: 222.0/77

- 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: 78.715+/-0.013 χ^2/NDF:98092.9/21

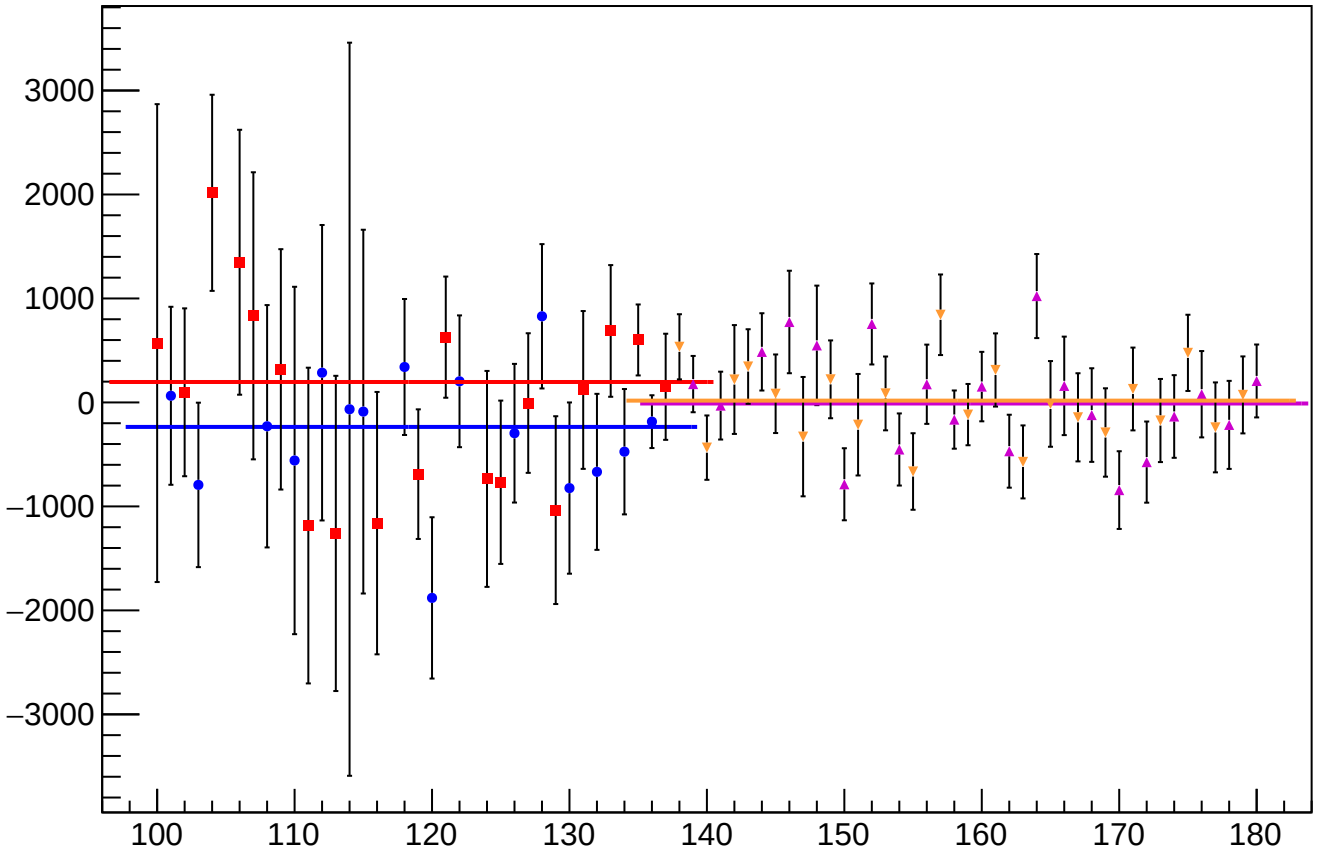
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.980+/-0.014 χ^2/NDF:87800.8/20

+ sign 79.162+/-0.011 χ^2/NDF: 942253.1/37

All: 79.836+/-0.008 χ^2/NDF: 1973653.1/77

- 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: 17.331+/-80.913 χ^2/NDF:21.4/21

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

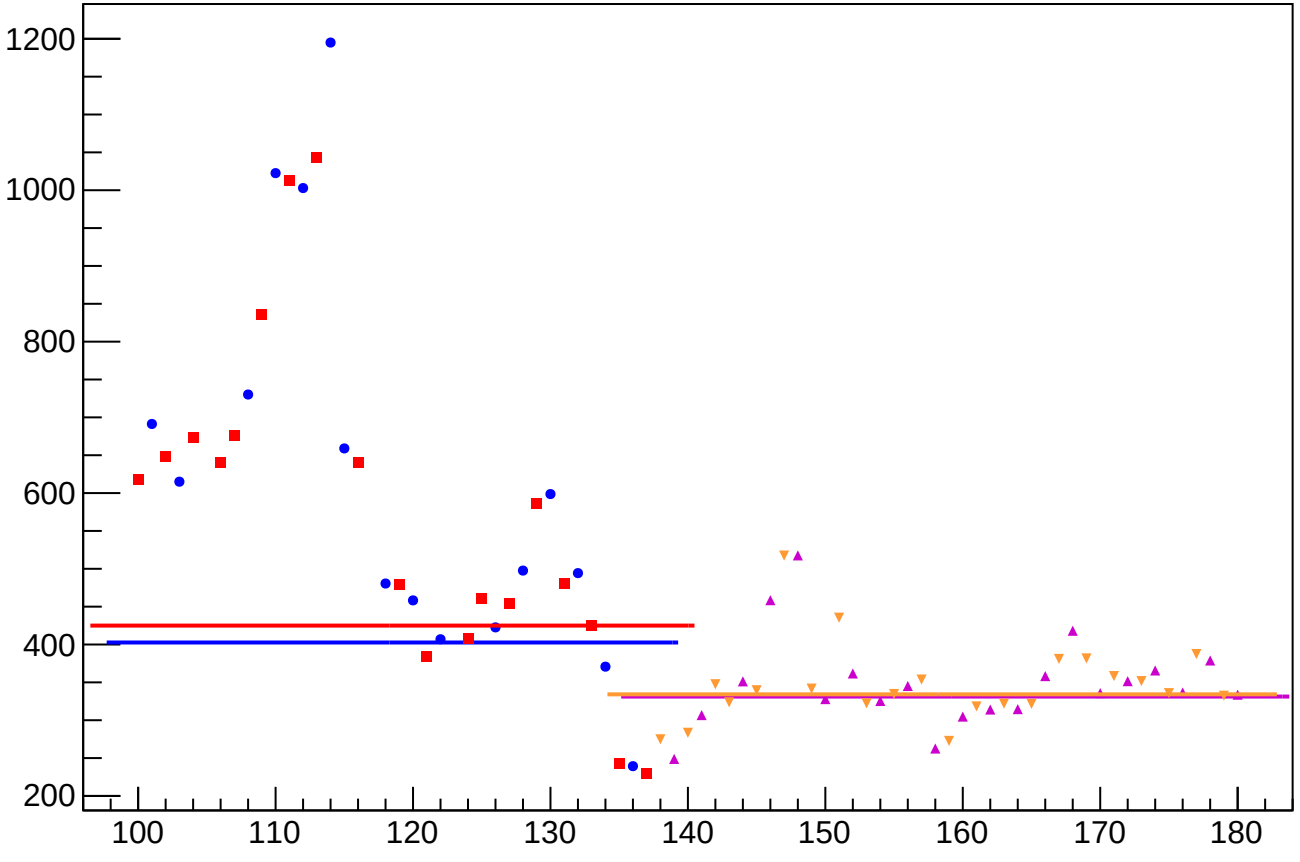
Left In: -10.271+/-80.990 χ^2/NDF:33.3/20

+ sign -32.283+/-72.542 χ^2/NDF: 33.3/37

All: -2.488+/-51.510 χ^2/NDF: 84.7/77

- 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: 334.178+/-0.057 χ^2/NDF:613429.4/21

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

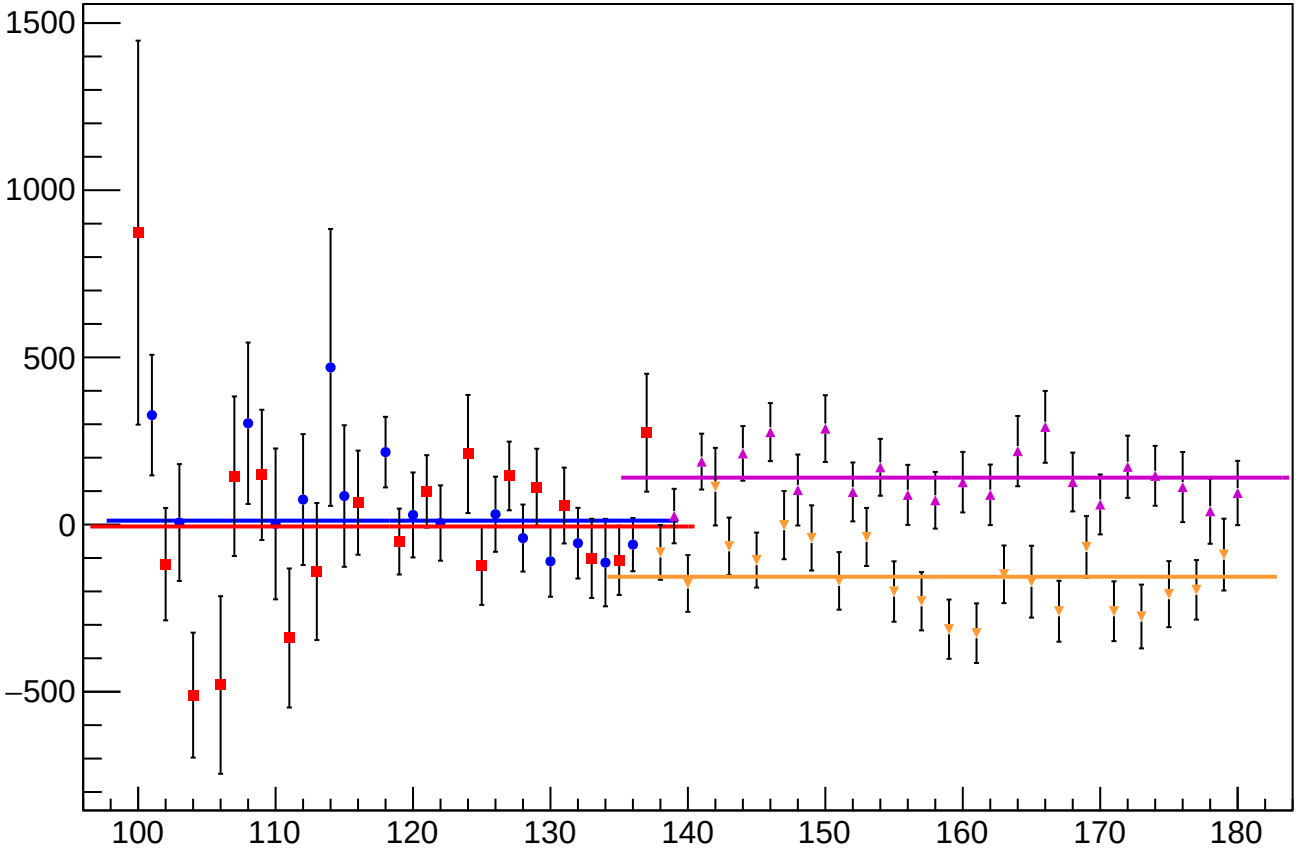
Left In: 331.256+/-0.057 χ^2/NDF:830058.3/20

+ sign 347.615+/-0.051 χ^2/NDF: 3254612.9/37

All: 348.060+/-0.036 χ^2/NDF: 6919052.4/77

- 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: -156.121+/-19.497 χ^2/NDF:27.0/21

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

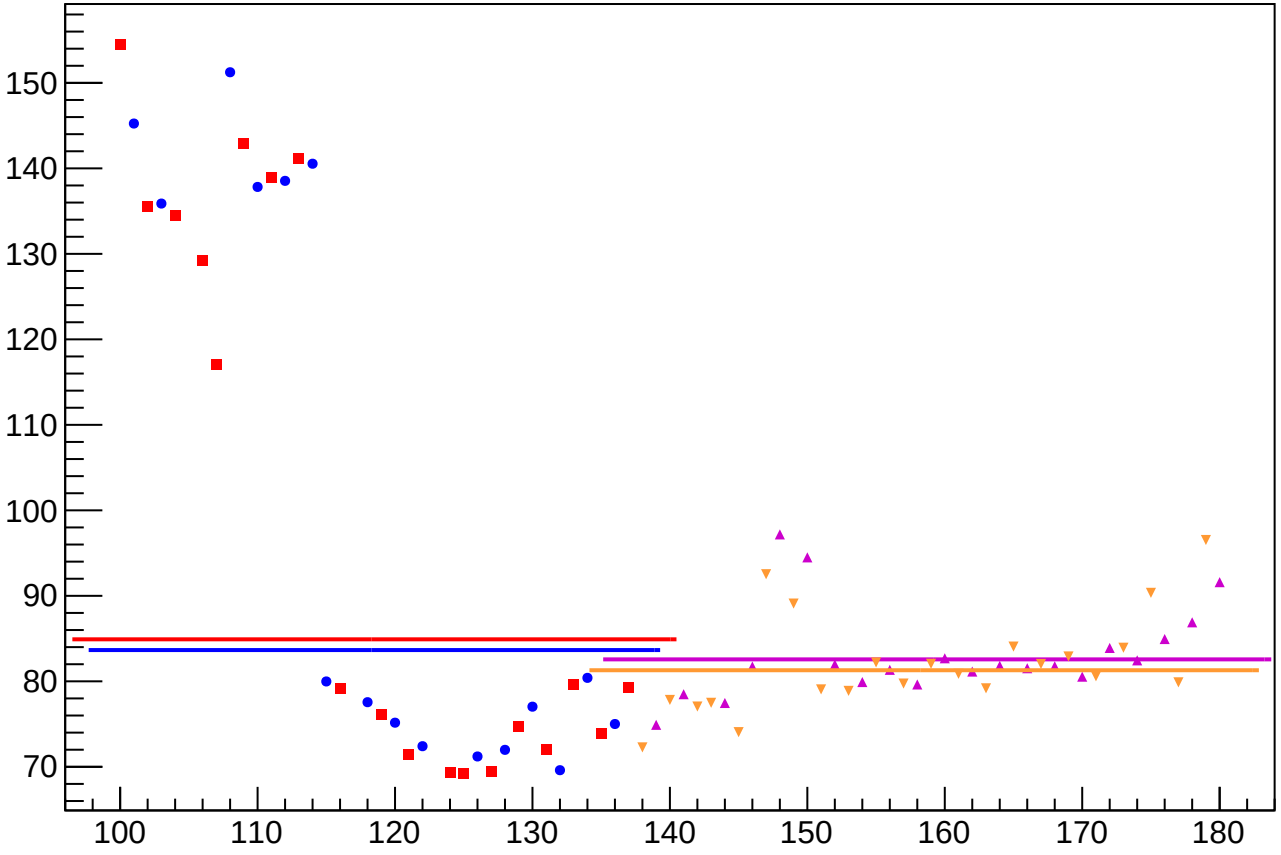
Left In: 140.281+/-19.939 χ^2/NDF:14.4/20

+ sign -111.312+/-16.691 χ^2/NDF: 60.3/37

All: -7.404+/-11.906 χ^2/NDF: 197.1/77

- 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: 81.297+/-0.014 χ^2/NDF:153172.7/21

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

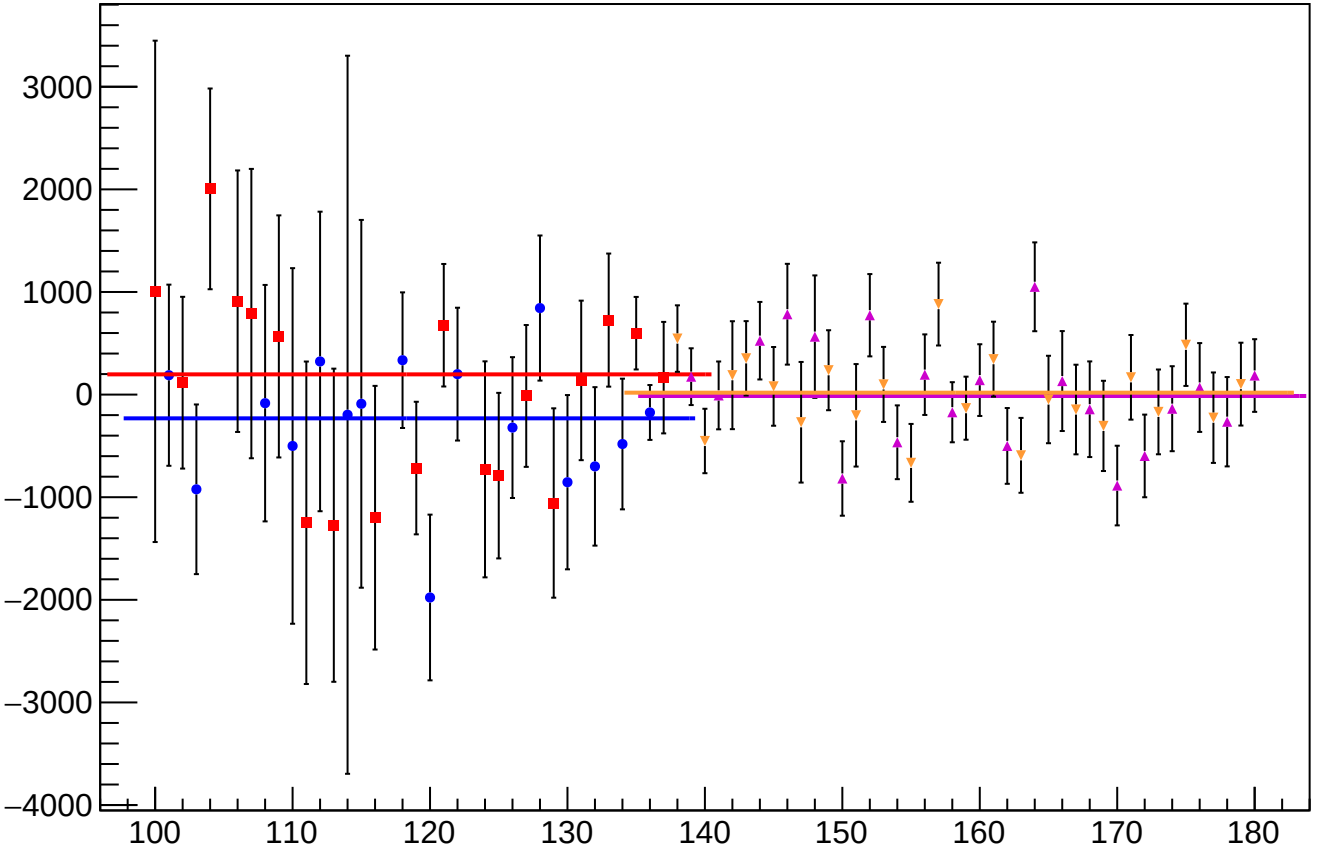
Left In: 82.567+/-0.014 χ^2/NDF:126760.5/20

+ sign 81.927+/-0.012 χ^2/NDF: 1195796.5/37

All: 82.557+/-0.008 χ^2/NDF: 2457622.1/77

- sign 83.210+/-0.012 χ^2/NDF: 1256019.3/39

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 18.725+/-83.767 χ^2/NDF:21.1/21

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

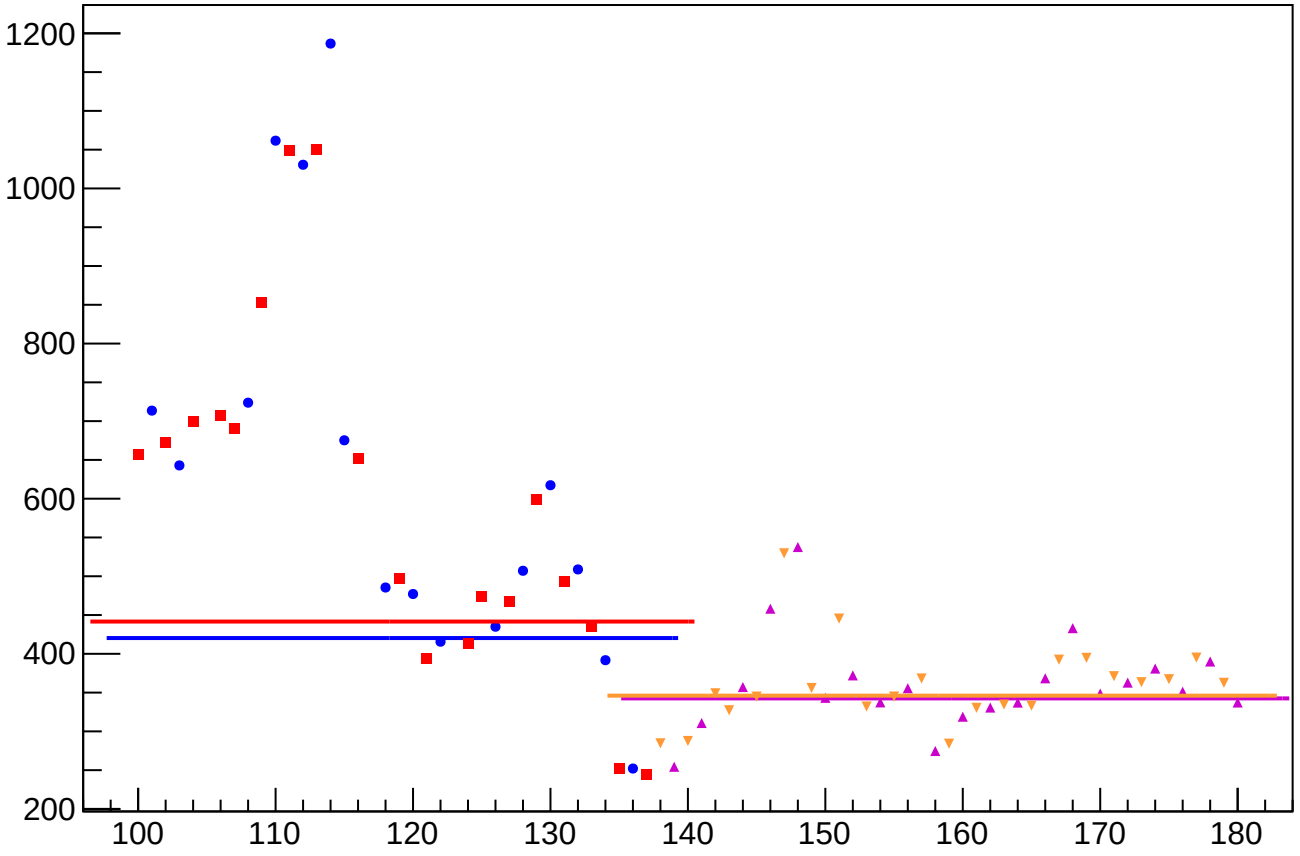
Left In: -13.605+/-83.690 χ^2/NDF:33.1/20

+ sign -30.081+/-75.152 χ^2/NDF: 33.2/37

All: -2.581+/-53.294 χ^2/NDF: 83.6/77

- 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: 346.049+/-0.059 χ^2/NDF:611732.6/21

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

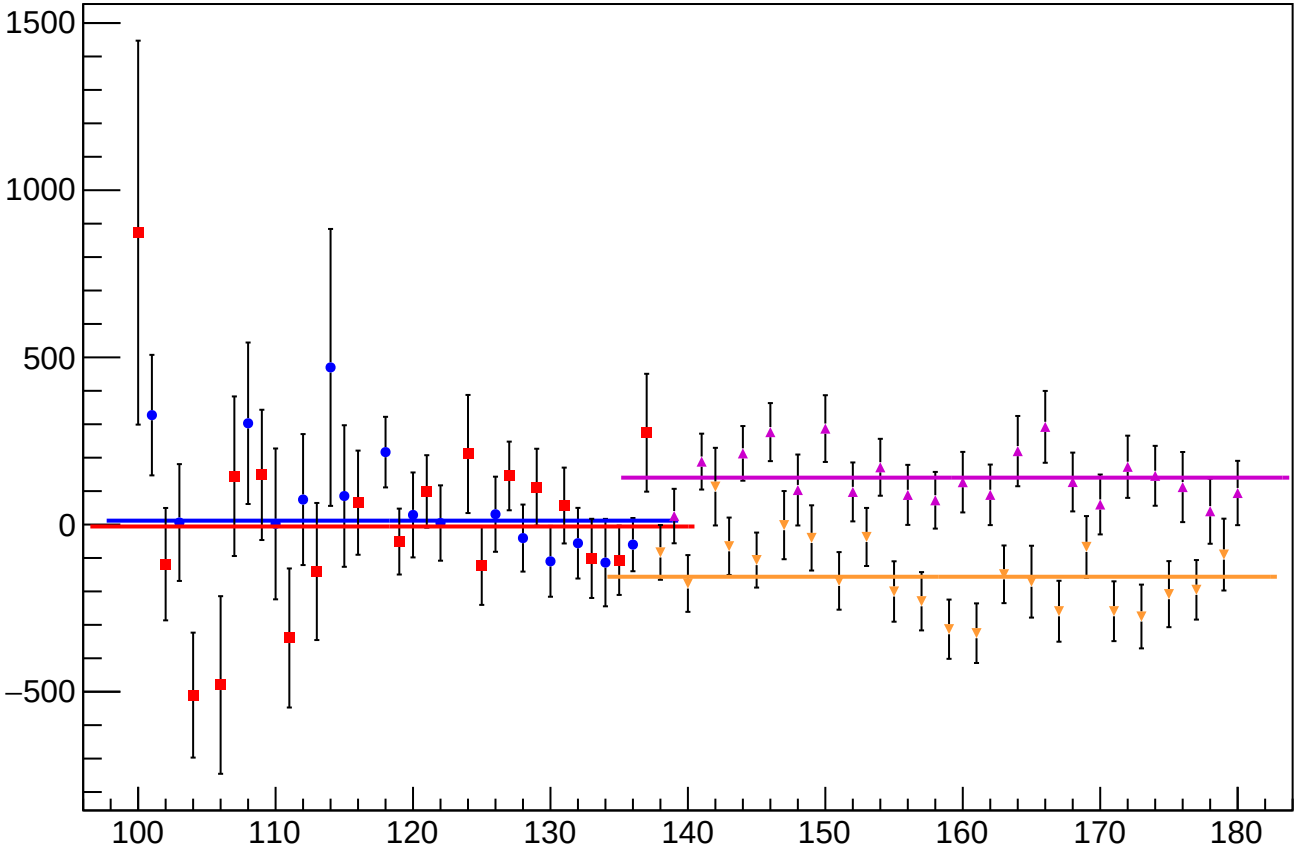
Left In: 342.517+/-0.059 χ^2/NDF:810625.5/20

+ sign 360.543+/-0.053 χ^2/NDF: 3173196.7/37

All: 360.657+/-0.038 χ^2/NDF: 6807943.0/77

- 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: -156.121+/-19.497 χ^2/NDF:27.0/21

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

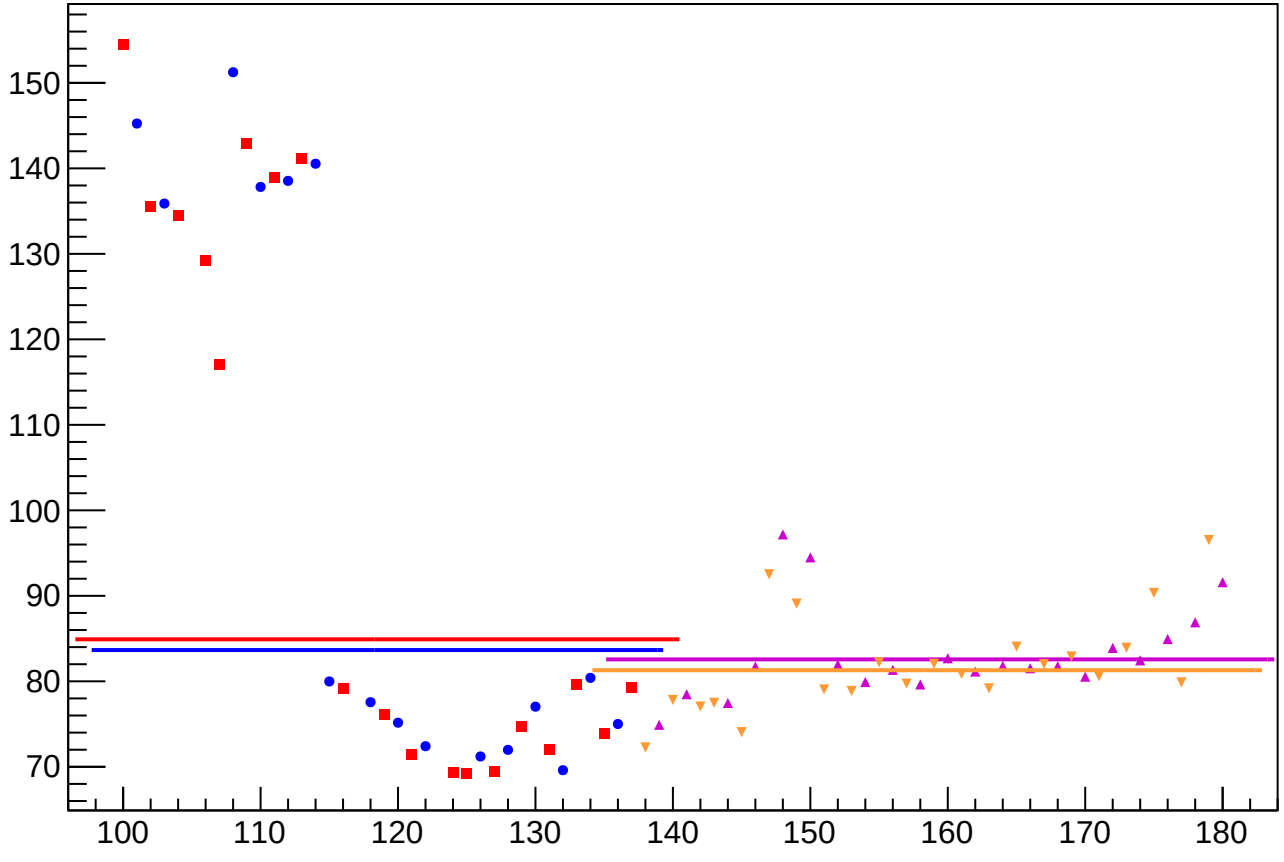
Left In: 140.282+/-19.939 χ^2/NDF:14.4/20

+ sign -111.312+/-16.691 χ^2/NDF: 60.3/37

All: -7.403+/-11.906 χ^2/NDF: 197.1/77

- 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: 81.297+/-0.014 χ^2/NDF:153173.0/21

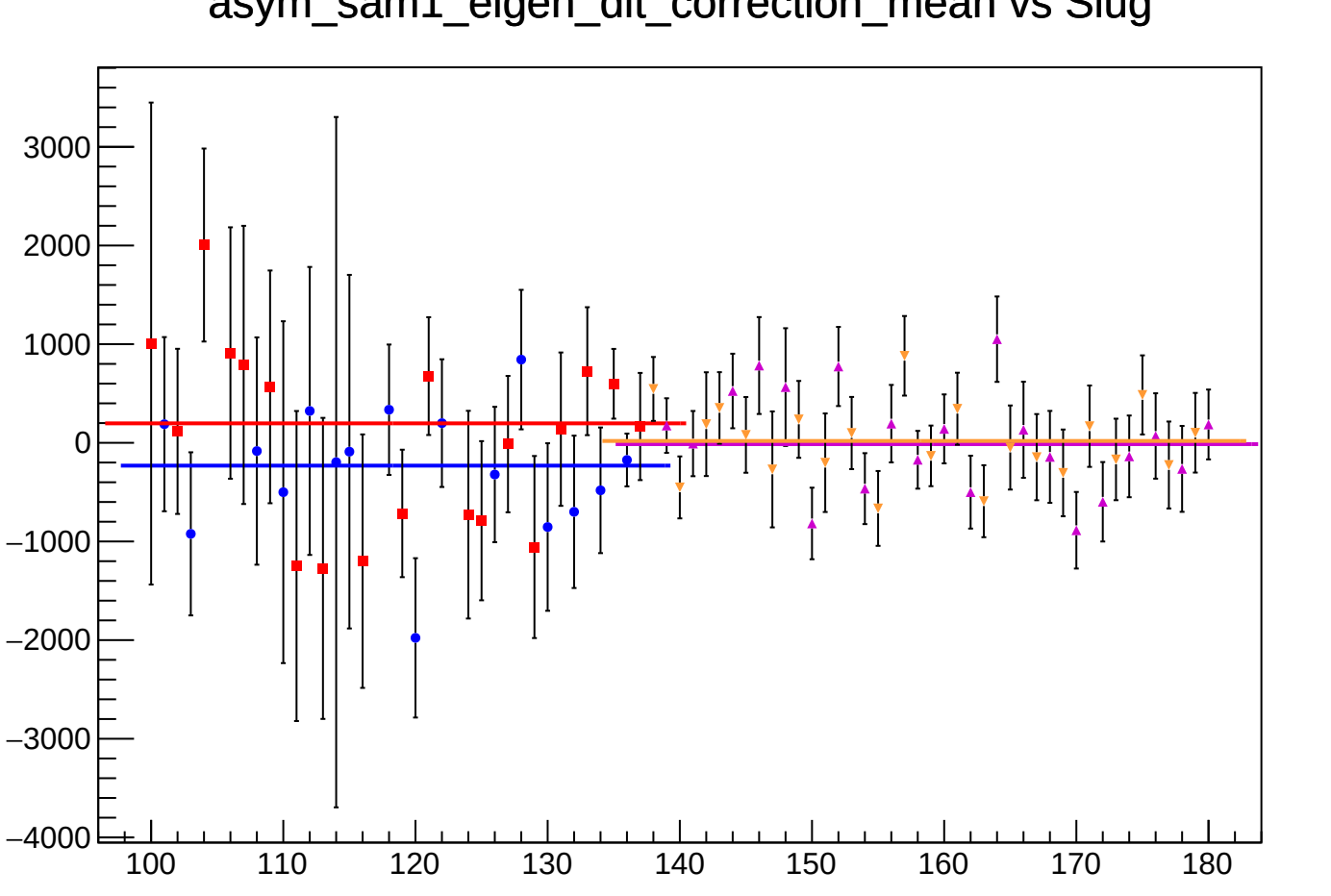
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.567+/-0.014 χ^2/NDF:126759.0/20

+ sign 81.927+/-0.012 χ^2/NDF: 1195796.0/37

All: 82.557+/-0.008 χ^2/NDF: 2457618.7/77

- 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: 18.726+/-83.767 χ^2/NDF:21.1/21

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

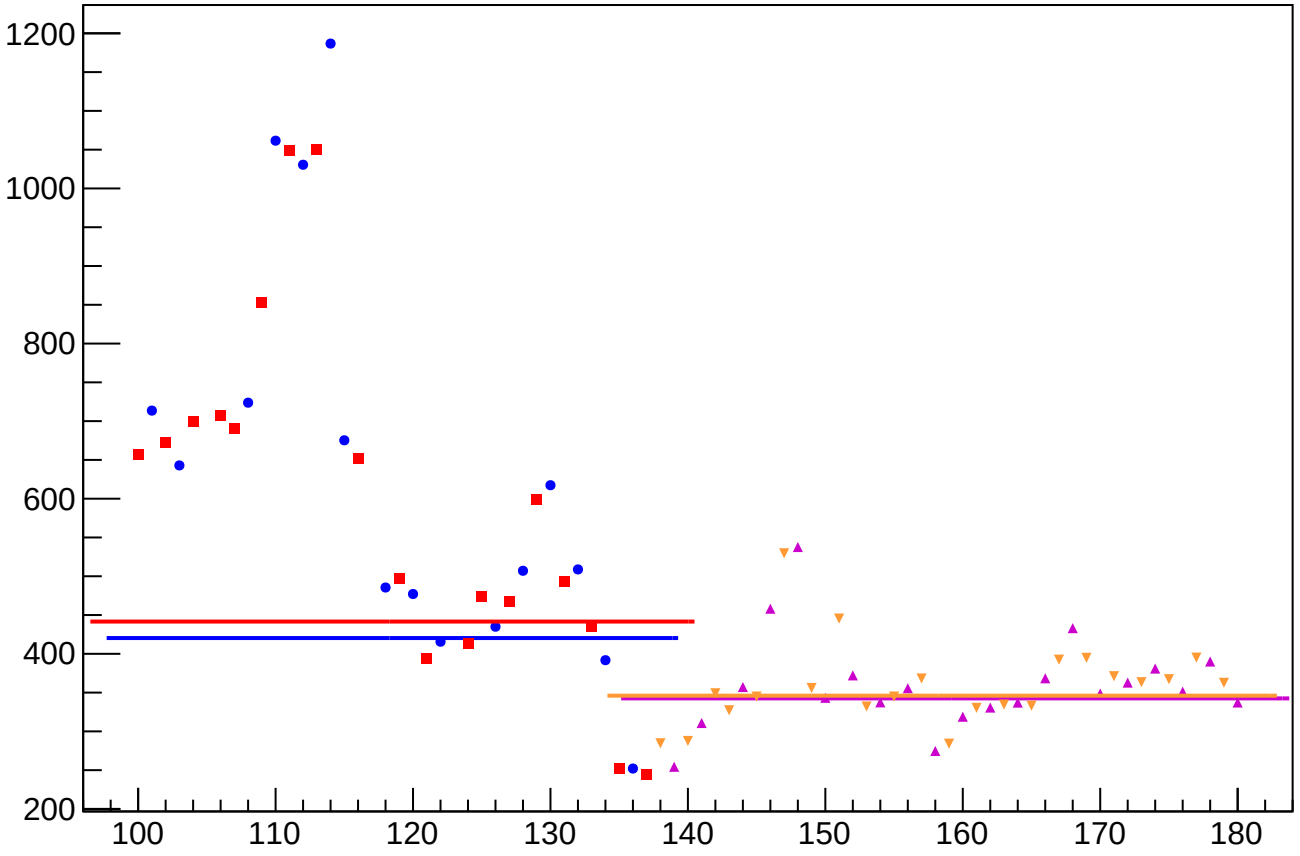
Left In: -13.605+/-83.690 χ^2/NDF:33.1/20

+ sign -30.080+/-75.152 χ^2/NDF: 33.2/37

All: -2.581+/-53.294 χ^2/NDF: 83.6/77

- 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: 346.049+/-0.059 χ^2/NDF:611734.1/21

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

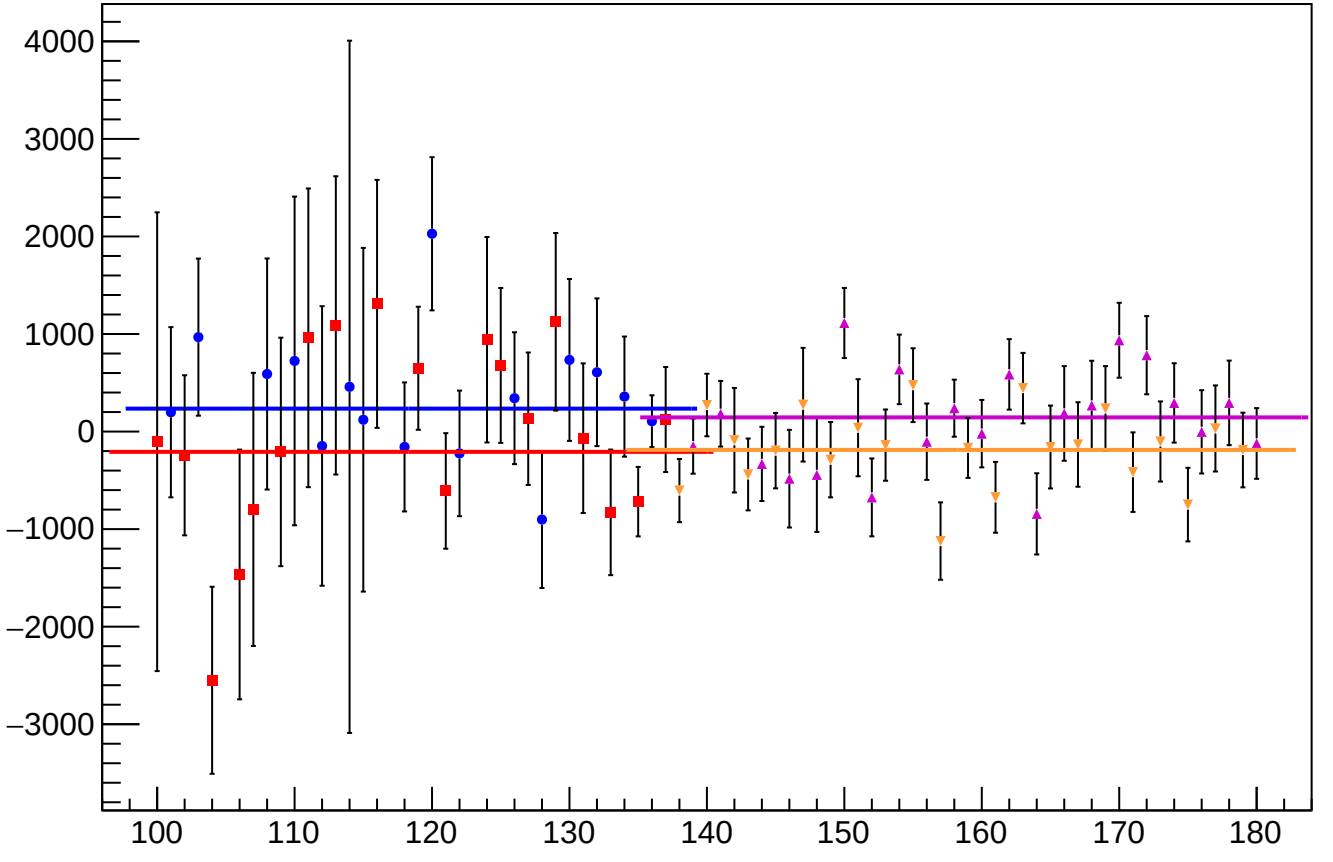
Left In: 342.516+/-0.059 χ^2/NDF:810628.4/20

+ sign 360.542+/-0.053 χ^2/NDF: 3173198.8/37

All: 360.657+/-0.038 χ^2/NDF: 6807948.3/77

- 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: -187.815+/-83.256 χ^2/NDF:22.4/21

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

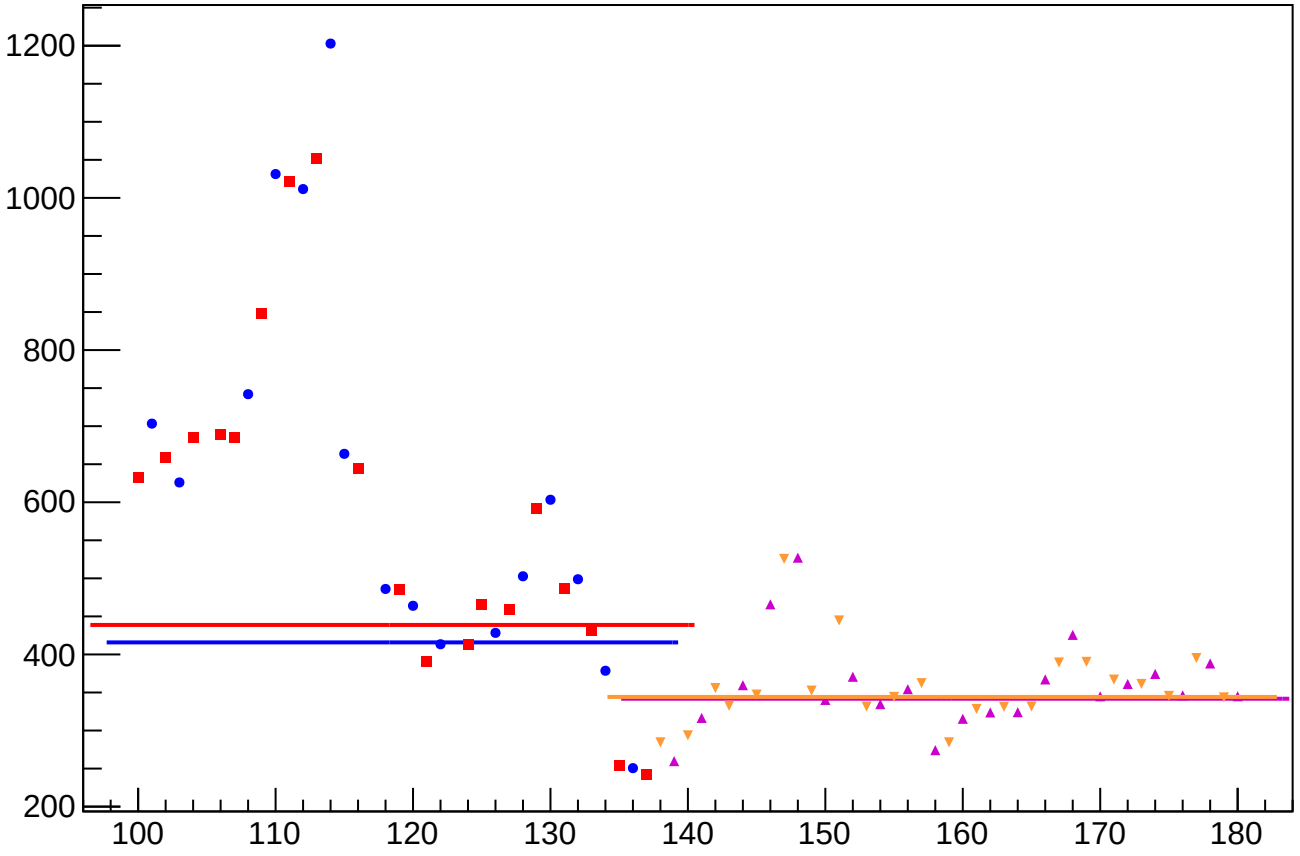
Left In: 145.256+/-83.463 χ^2/NDF:34.3/20

+ sign -104.597+/-74.616 χ^2/NDF: 38.2/37

All: -13.337+/-53.005 χ^2/NDF: 99.2/77

- 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: 344.190+/-0.059 χ^2/NDF:567795.7/21

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

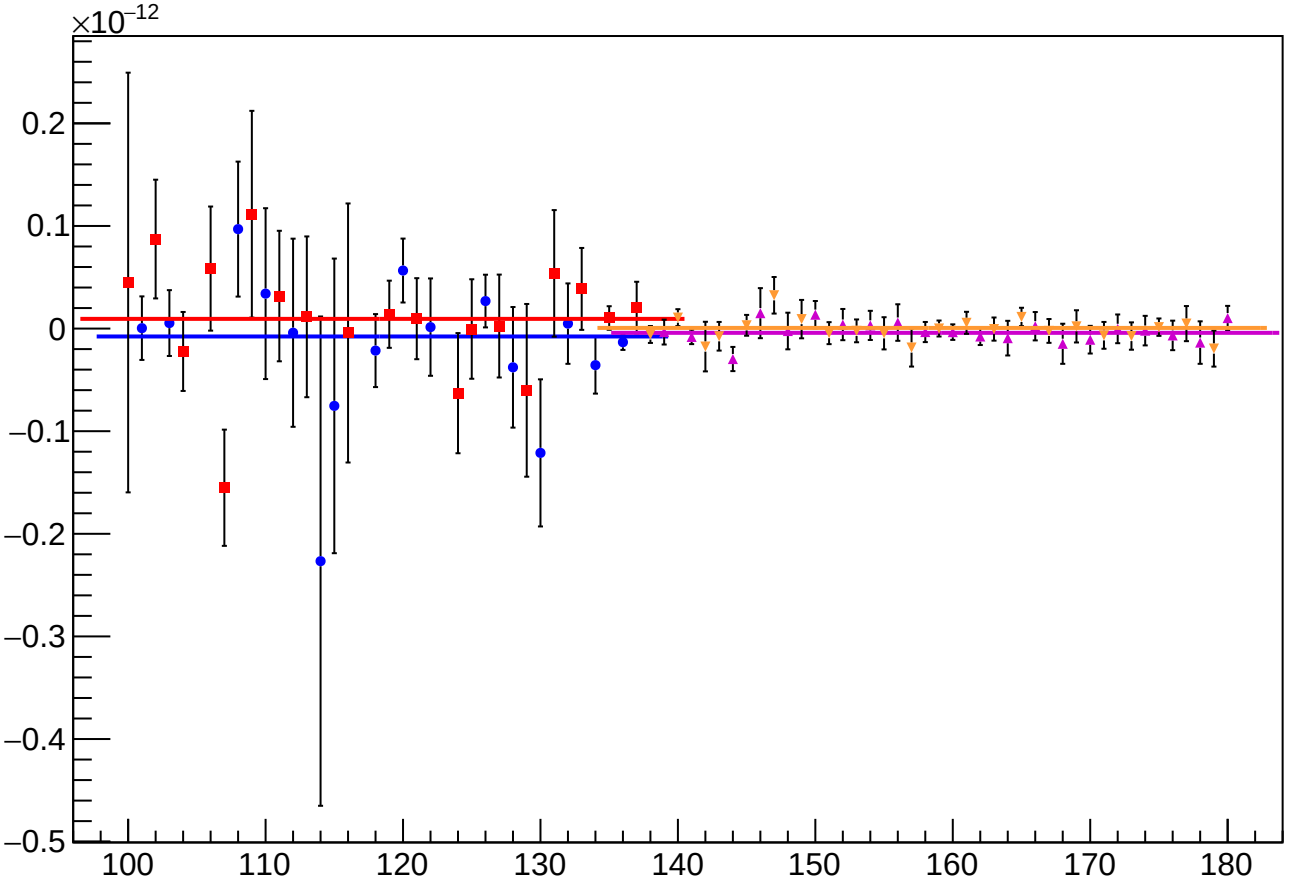
Left In: 341.796+/-0.059 χ^2/NDF:761782.1/20

+ sign 358.290+/-0.053 χ^2/NDF: 3083243.5/37

All: 359.045+/-0.037 χ^2/NDF: 6581906.5/77

- sign 359.814+/-0.053 χ^2/NDF: 3498249.7/39

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

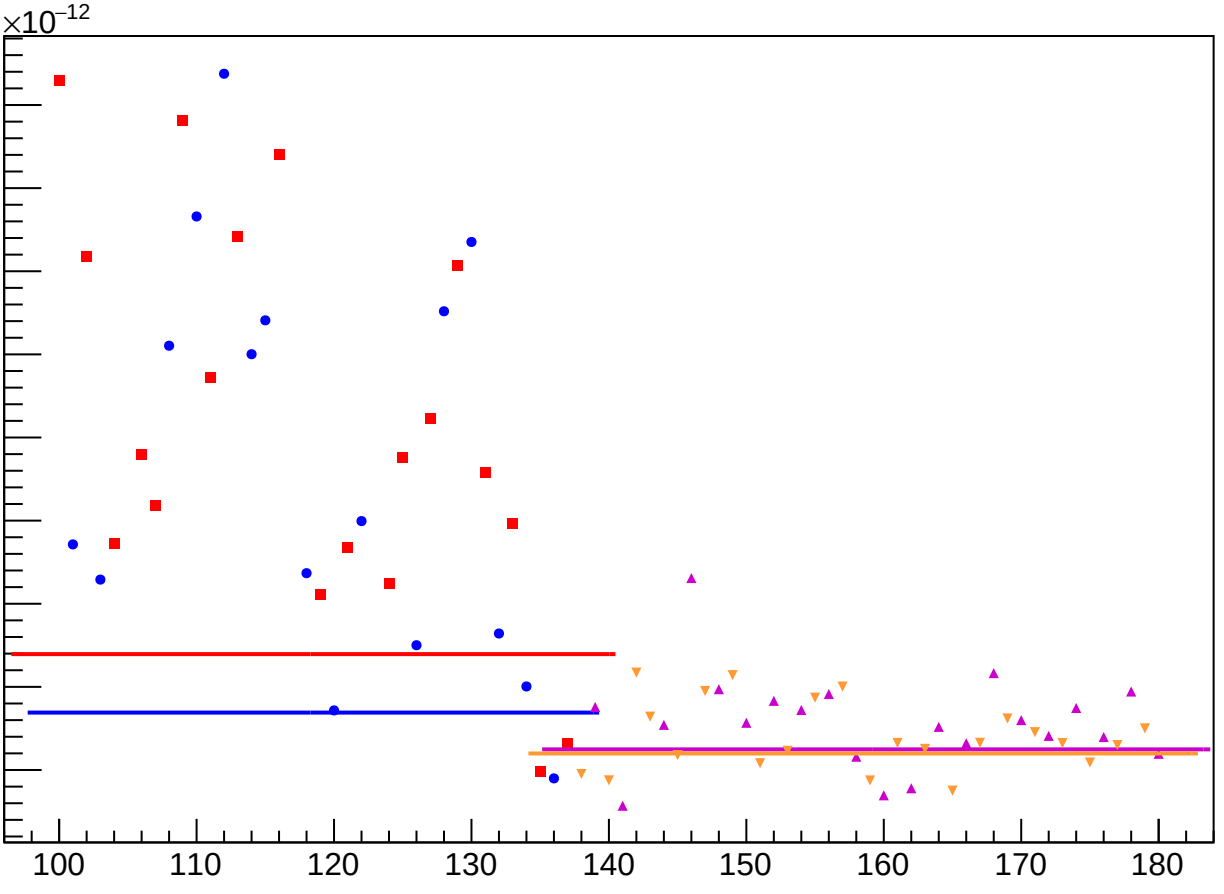
Left In: -0.000+/-0.000 χ^2/NDF:11.1/20

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/37

All: -0.000+/-0.000 χ^2/NDF: 58.5/77

- sign -0.000+/-0.000 χ^2/NDF: 30.0/39

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:971788.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

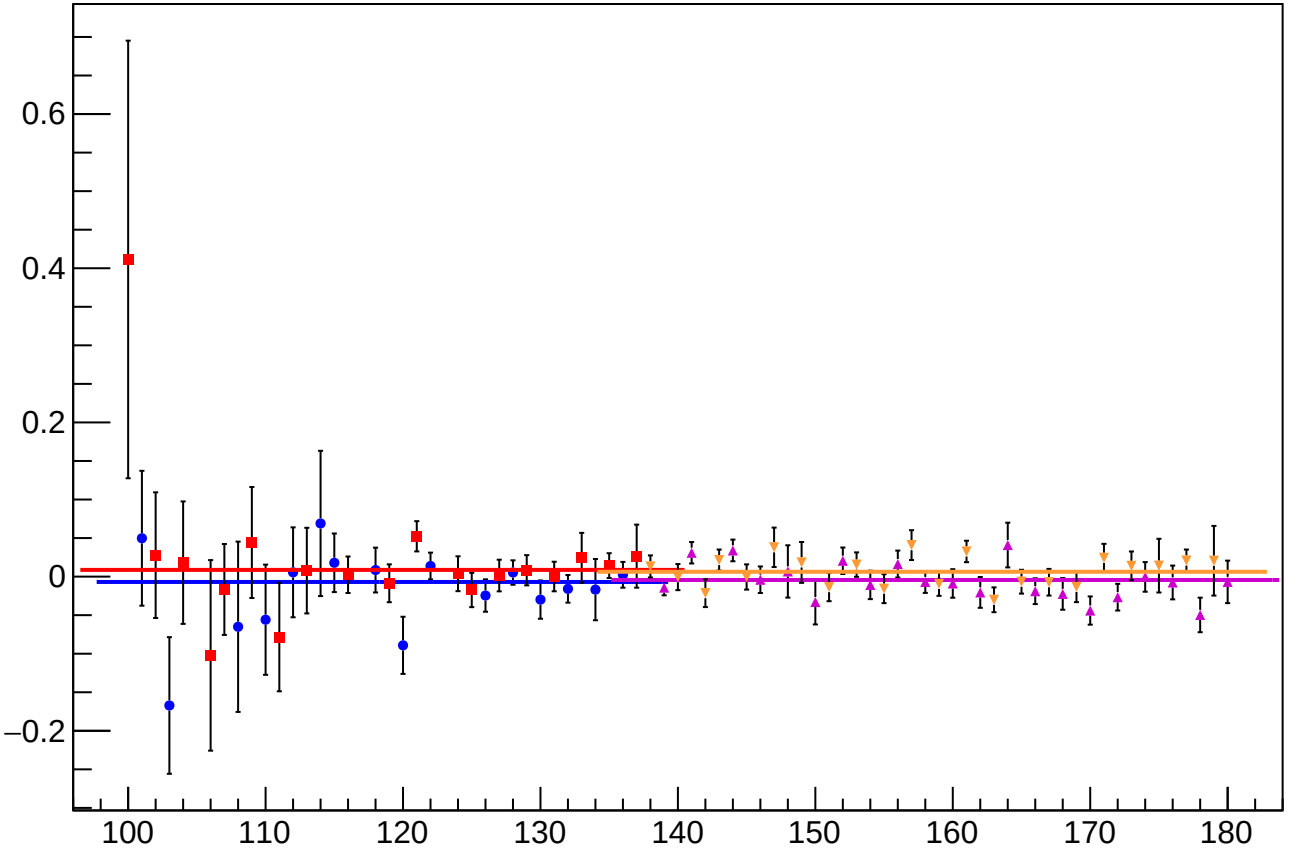
Left In: 0.000+/-0.000 χ^2/NDF:1968706.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 4002888.3/37

All: 0.000+/-0.000 χ^2/NDF: 9660720.6/77

- 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:26.4/21

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

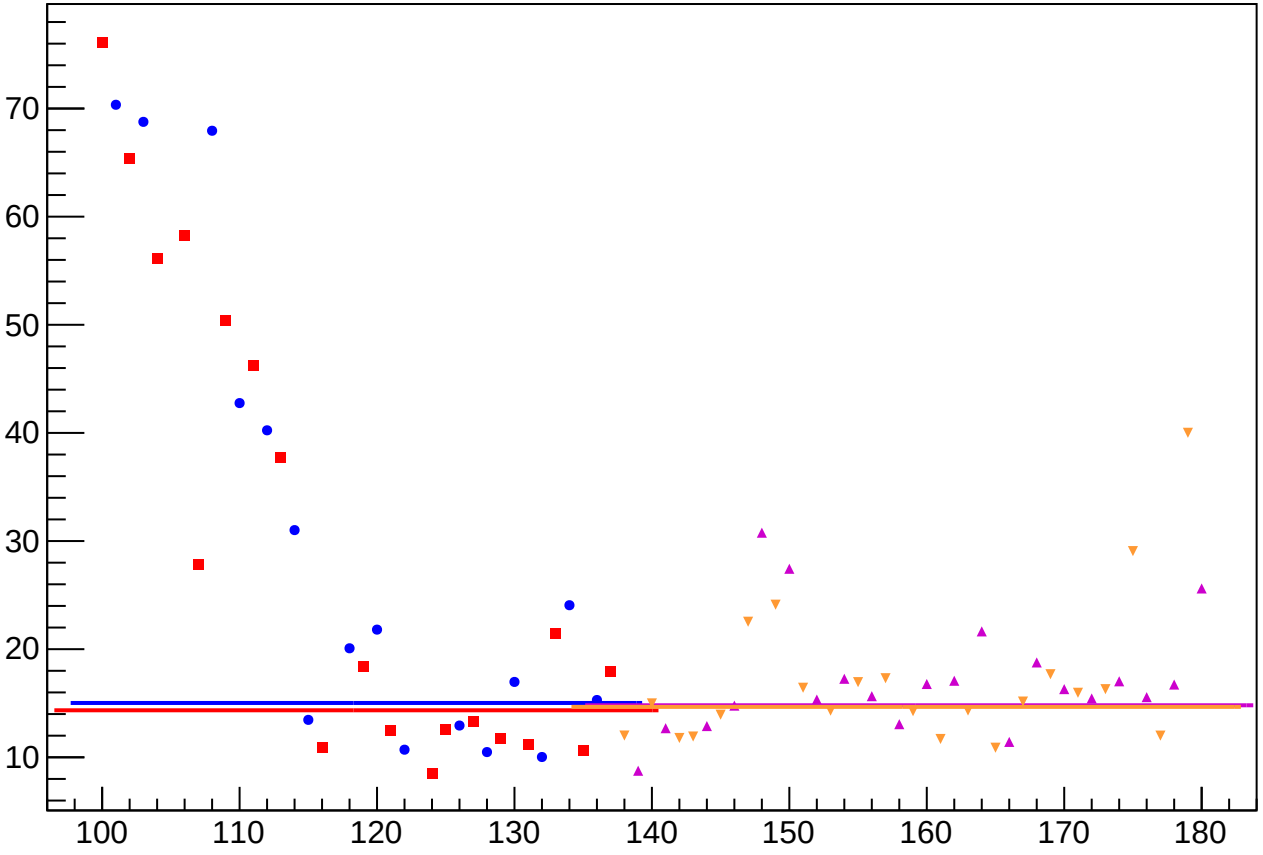
Left In: -0.004+/-0.004 χ^2/NDF:34.8/20

+ sign 0.003+/-0.003 χ^2/NDF: 44.2/37

All: 0.001+/-0.002 χ^2/NDF: 95.5/77

- 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: 14.664+/-0.003 χ^2/NDF:2063441.1/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

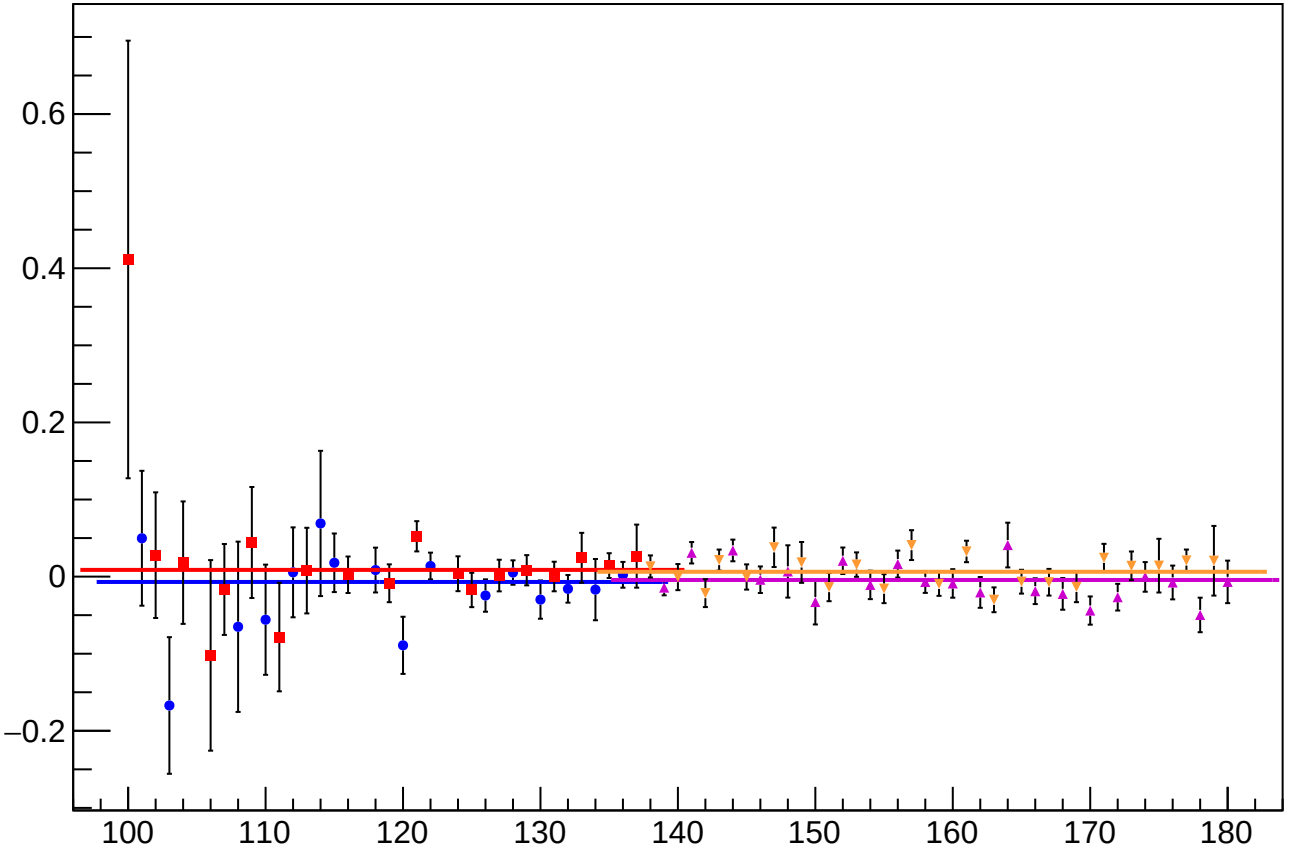
Left In: 14.811+/-0.003 χ^2/NDF:2384266.0/20

\+ sign 14.749+/-0.002 χ^2/NDF: 5506115.4/37

All: 14.719+/-0.002 χ^2/NDF: 11527450.7/77

\- 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:26.4/21

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

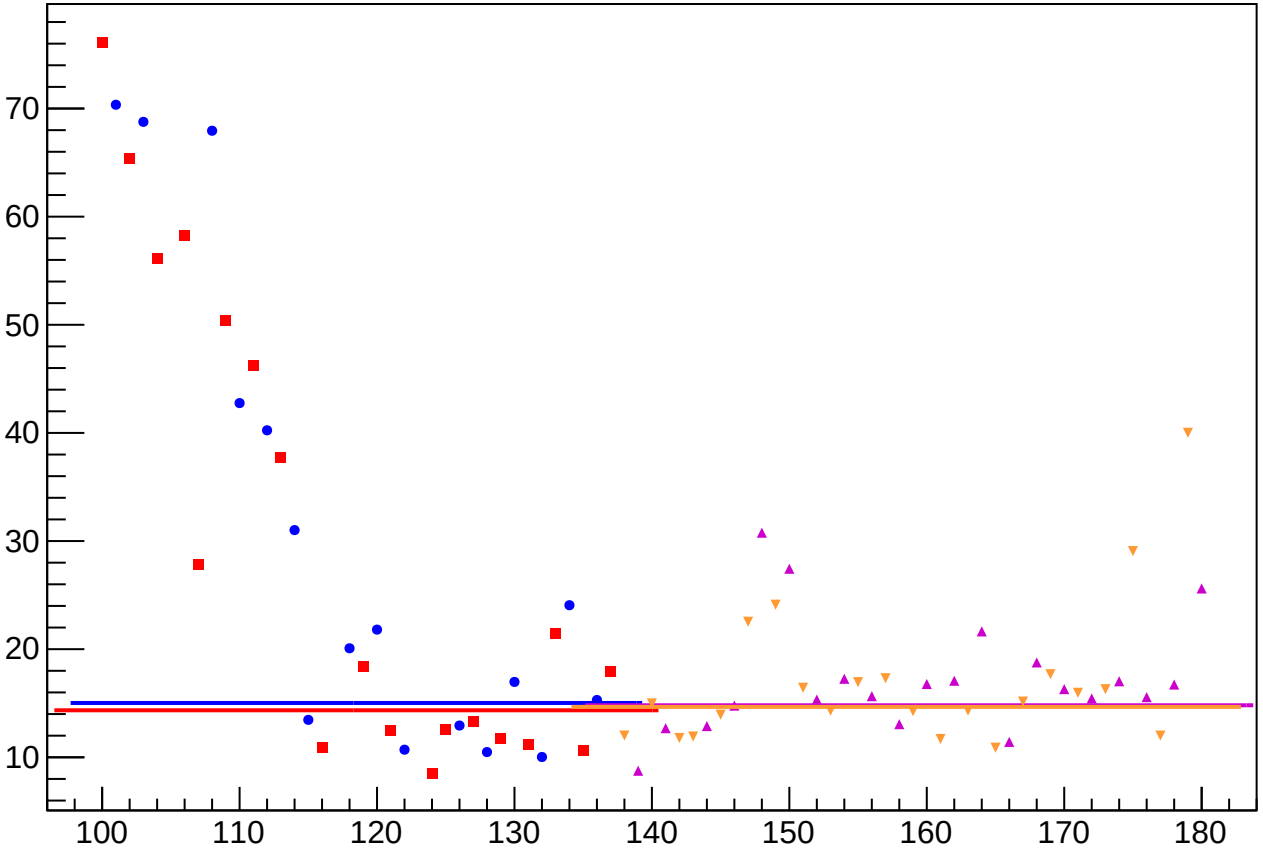
Left In: -0.004+/-0.004 χ^2/NDF:34.8/20

+ sign 0.003+/-0.003 χ^2/NDF: 44.2/37

All: 0.001+/-0.002 χ^2/NDF: 95.5/77

- 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: 14.664+/-0.003 χ^2/NDF:2063441.1/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

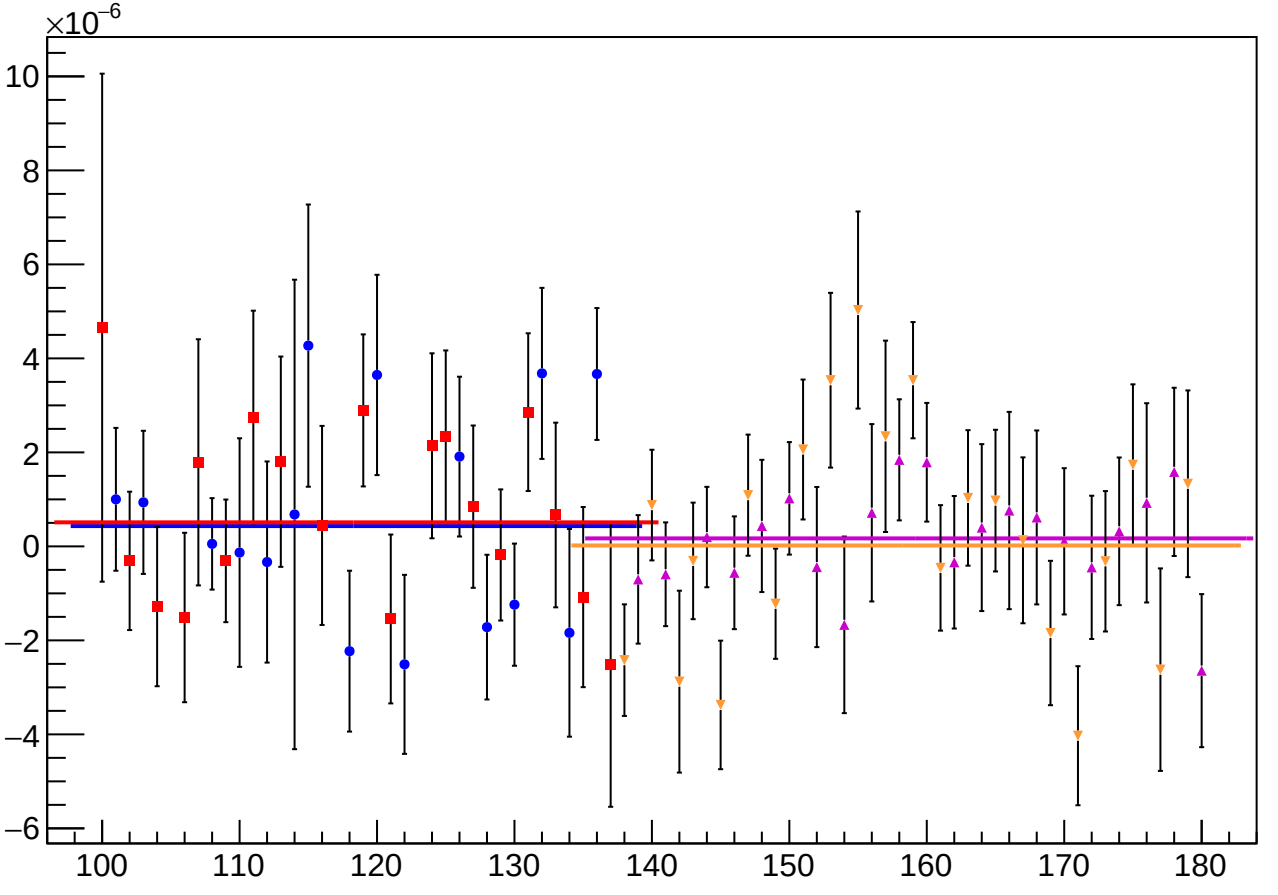
Left In: 14.811+/-0.003 χ^2/NDF:2384266.0/20

+ sign 14.749+/-0.002 χ^2/NDF: 5506115.4/37

All: 14.719+/-0.002 χ^2/NDF: 11527450.7/77

- 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:48.6/21

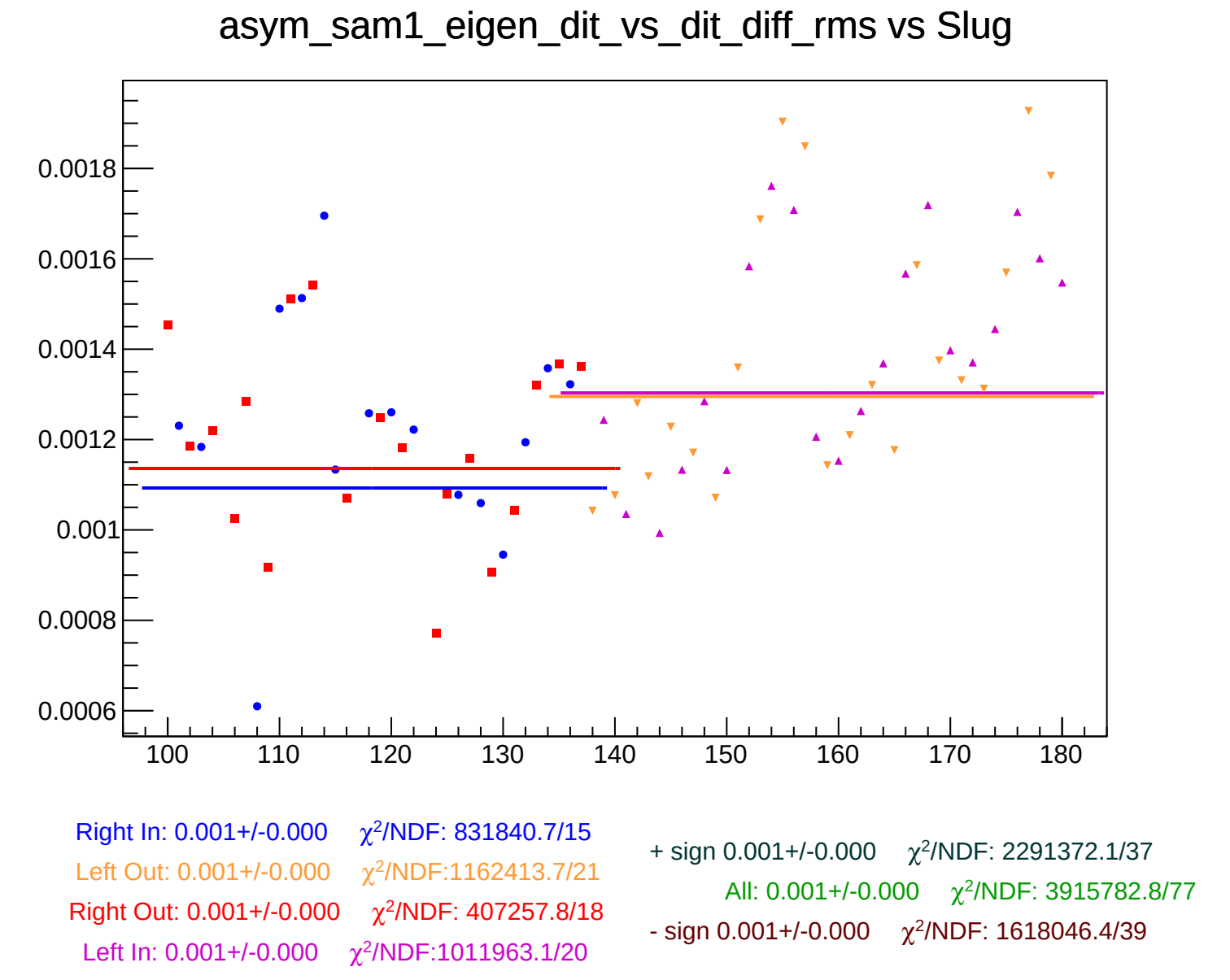
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/20

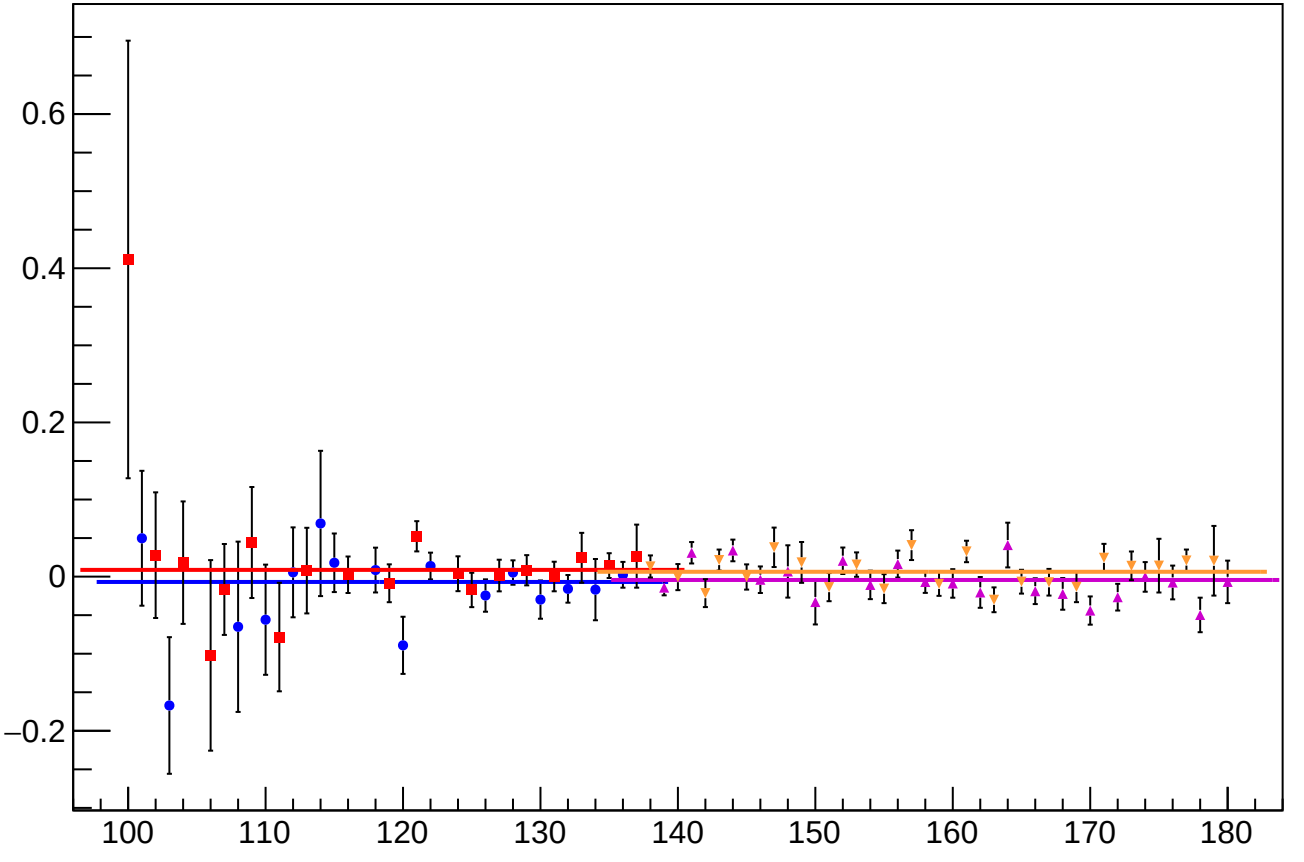
+ sign 0.000+/-0.000 χ^2/NDF: 72.4/37

All: 0.000+/-0.000 χ^2/NDF: 97.8/77

- sign 0.000+/-0.000 χ^2/NDF: 25.2/39


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1162413.7/21
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:1011963.1/20
+ sign 0.001+/-0.000 χ²/NDF: 2291372.1/37
All: 0.001+/-0.000 χ²/NDF: 3915782.8/77
- sign 0.001+/-0.000 χ²/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:26.4/21

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

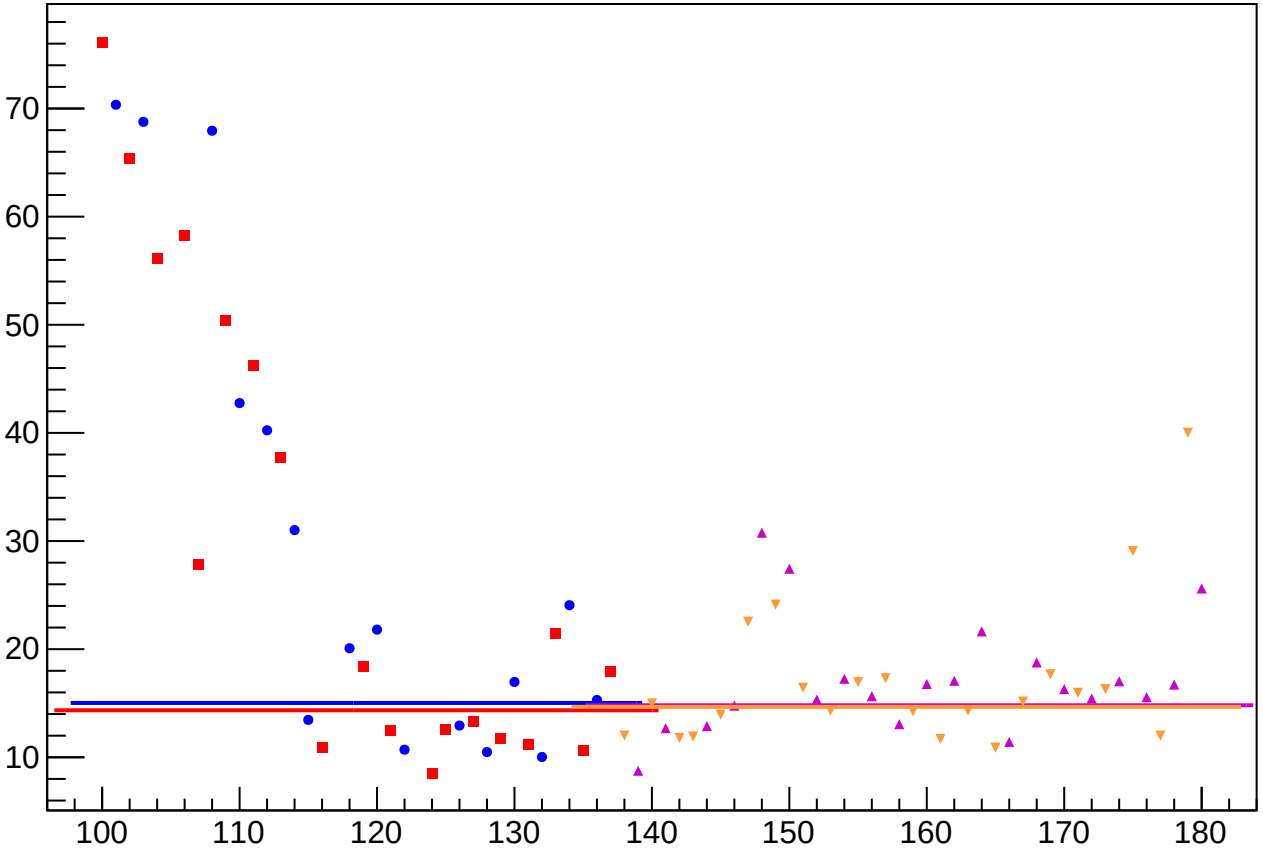
Left In: -0.004+/-0.004 χ^2/NDF:34.8/20

+ sign 0.003+/-0.003 χ^2/NDF: 44.2/37

All: 0.001+/-0.002 χ^2/NDF: 95.5/77

- 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: 14.663+/-0.003 χ^2/NDF:2063611.7/21

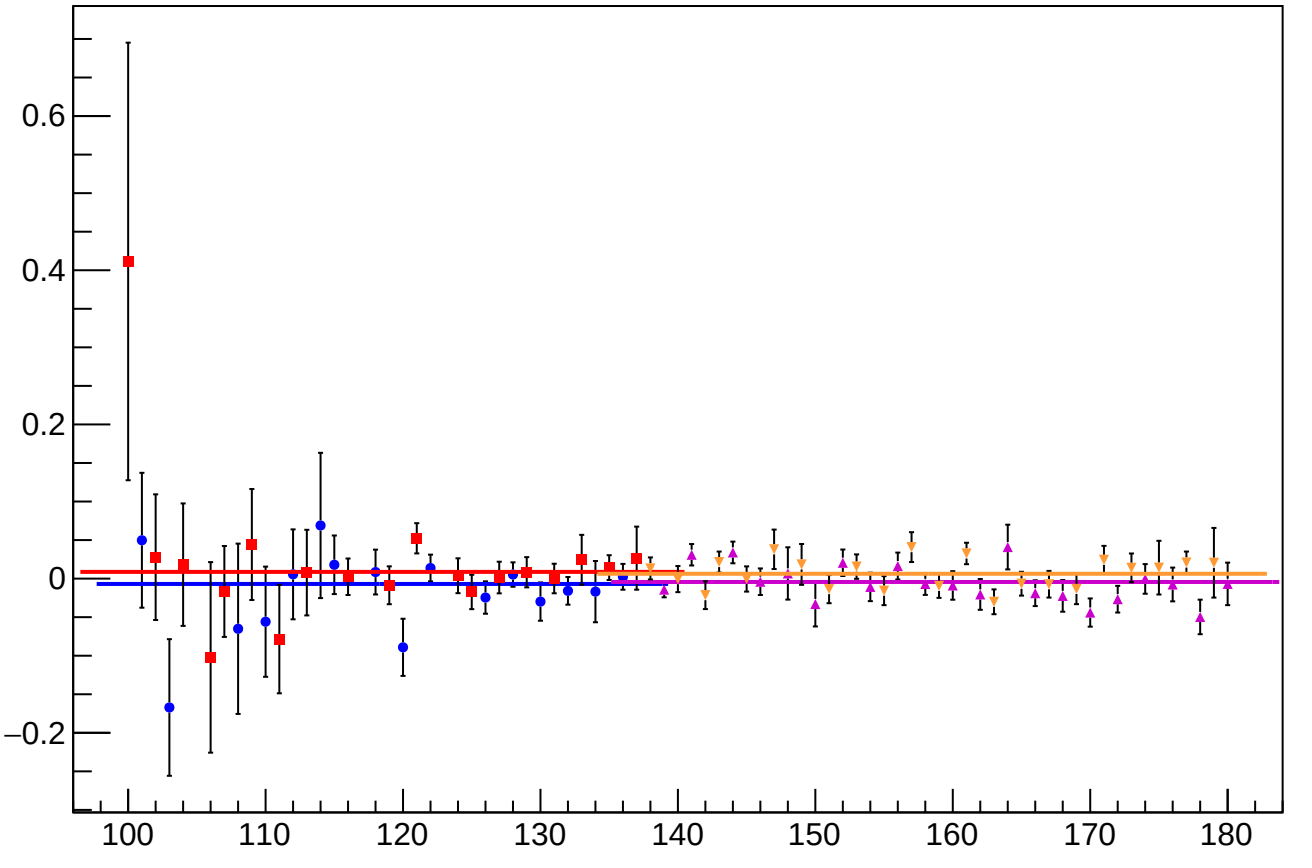
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.811+/-0.003 χ^2/NDF:2384292.4/20

+ sign 14.749+/-0.002 χ^2/NDF: 5506305.8/37

All: 14.718+/-0.002 χ^2/NDF: 11527654.4/77

- 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:26.4/21

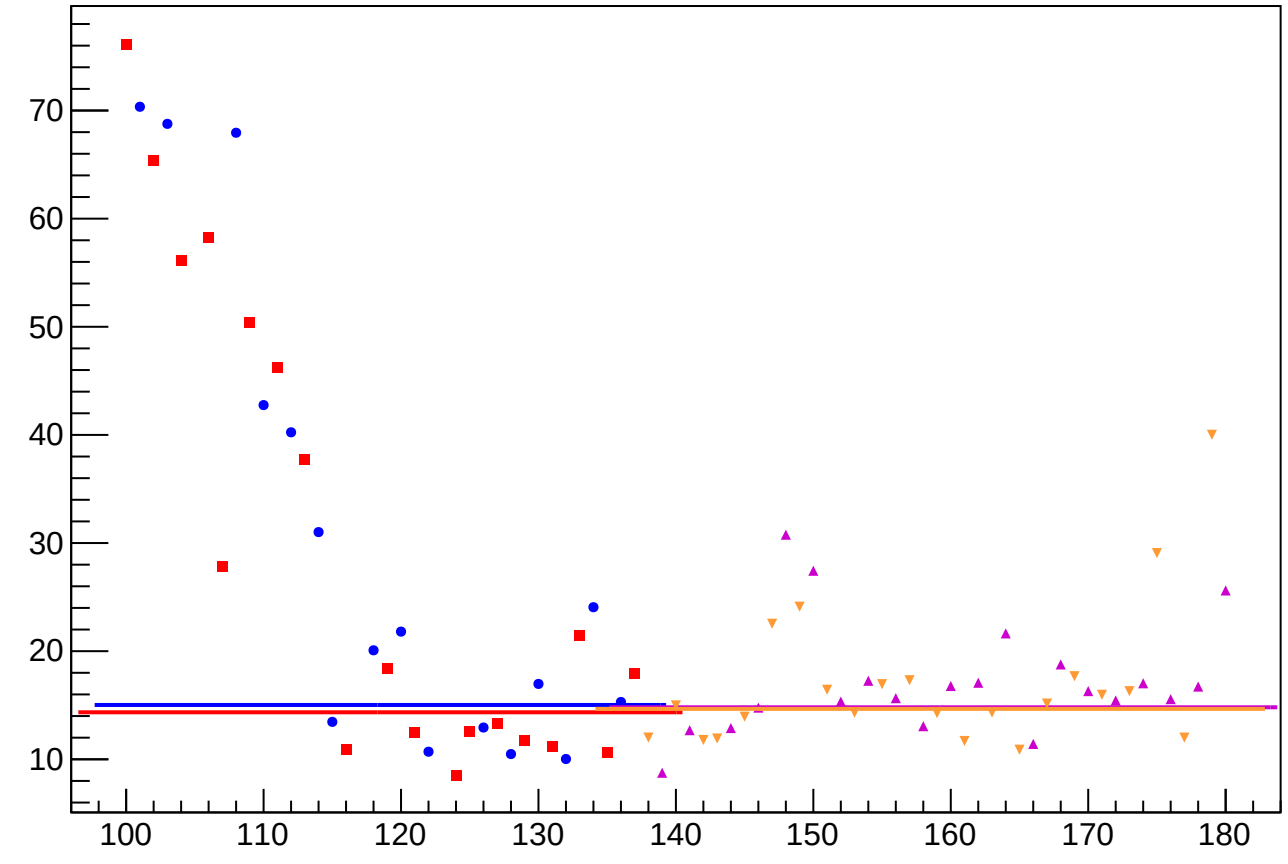
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.004 χ^2/NDF:34.8/20

+ sign 0.003+/-0.003 χ^2/NDF: 44.2/37

All: 0.001+/-0.002 χ^2/NDF: 95.5/77

- 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: 14.663+/-0.003 χ^2/NDF:2063611.7/21

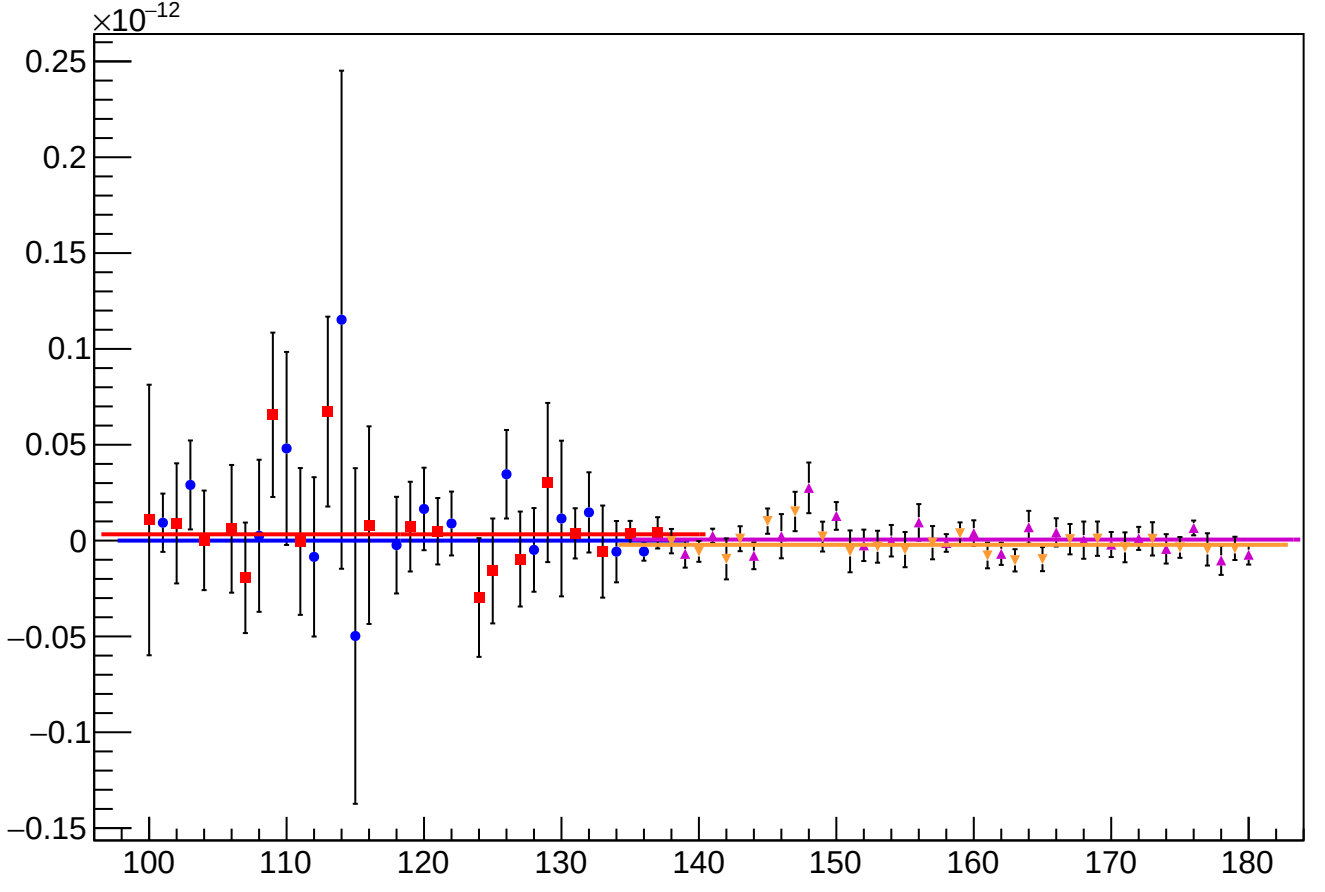
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.811+/-0.003 χ^2/NDF:2384292.4/20

+ sign 14.749+/-0.002 χ^2/NDF: 5506305.8/37

All: 14.718+/-0.002 χ^2/NDF: 11527654.4/77

- 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:13.9/21

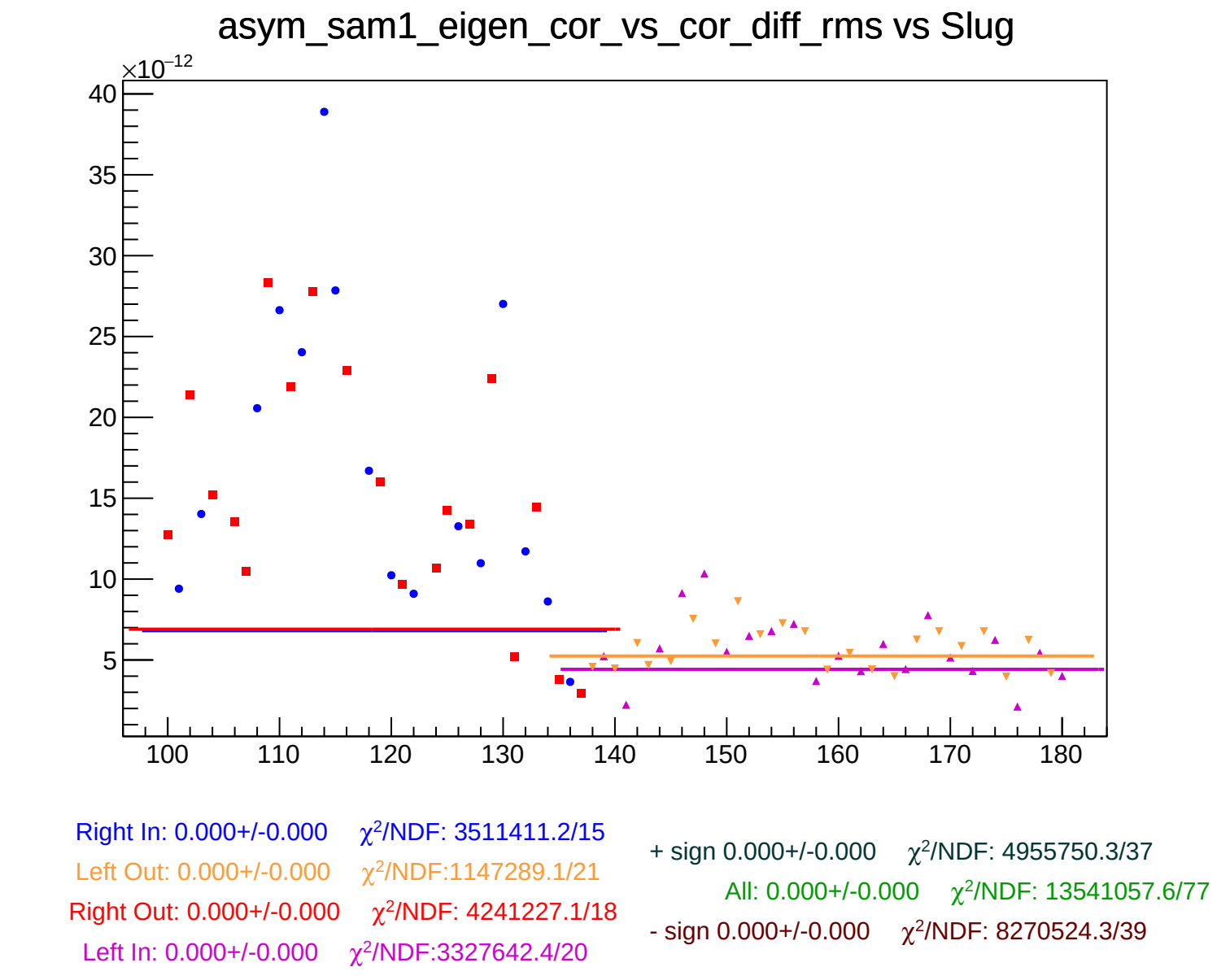
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:21.3/20

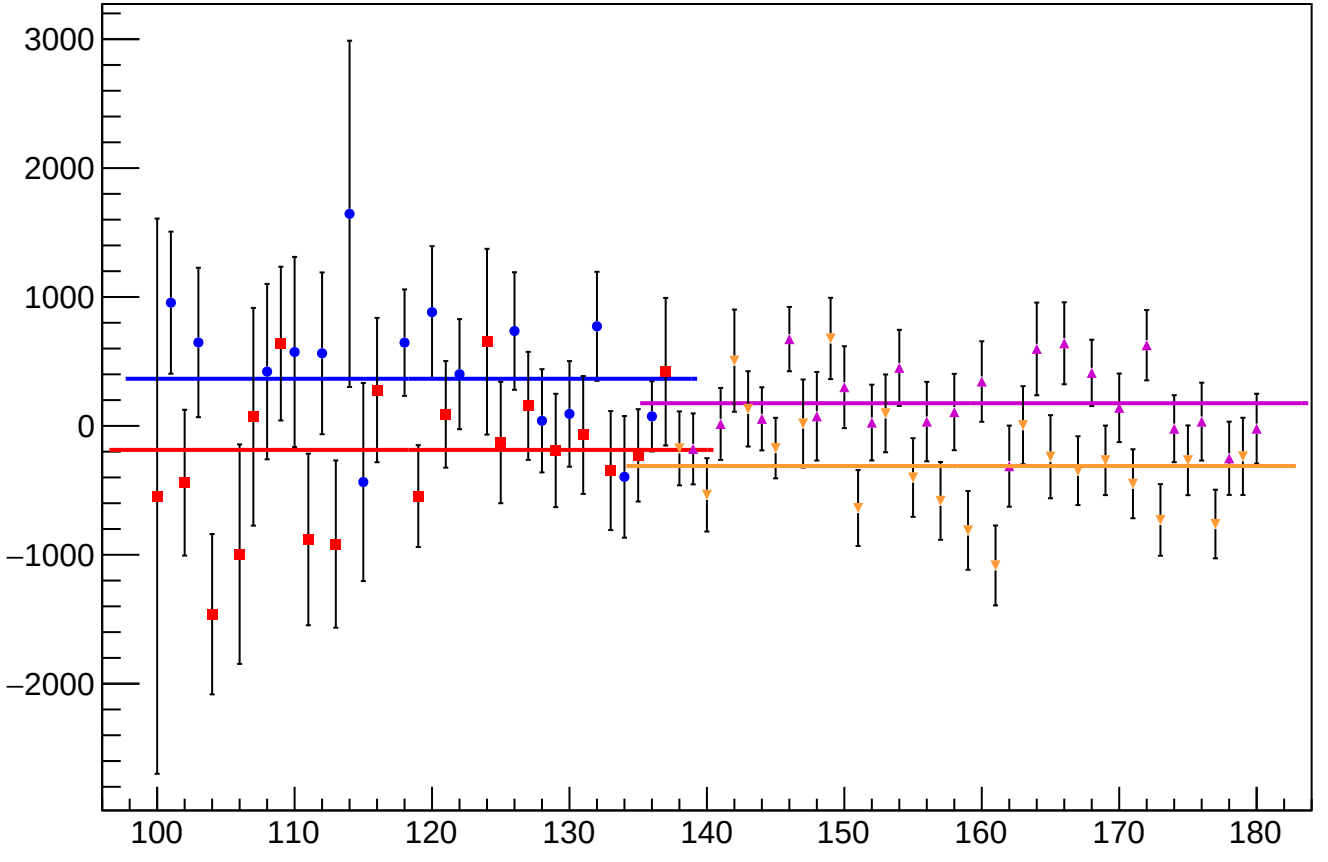
+ sign -0.000+/-0.000 χ^2/NDF: 23.5/37

All: -0.000+/-0.000 χ^2/NDF: 54.2/77

- 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:1147289.1/21
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: 4955750.3/37
All: 0.000+/-0.000 χ²/NDF: 13541057.6/77
- 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: -311.306+/-62.155 χ^2/NDF:38.0/21

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

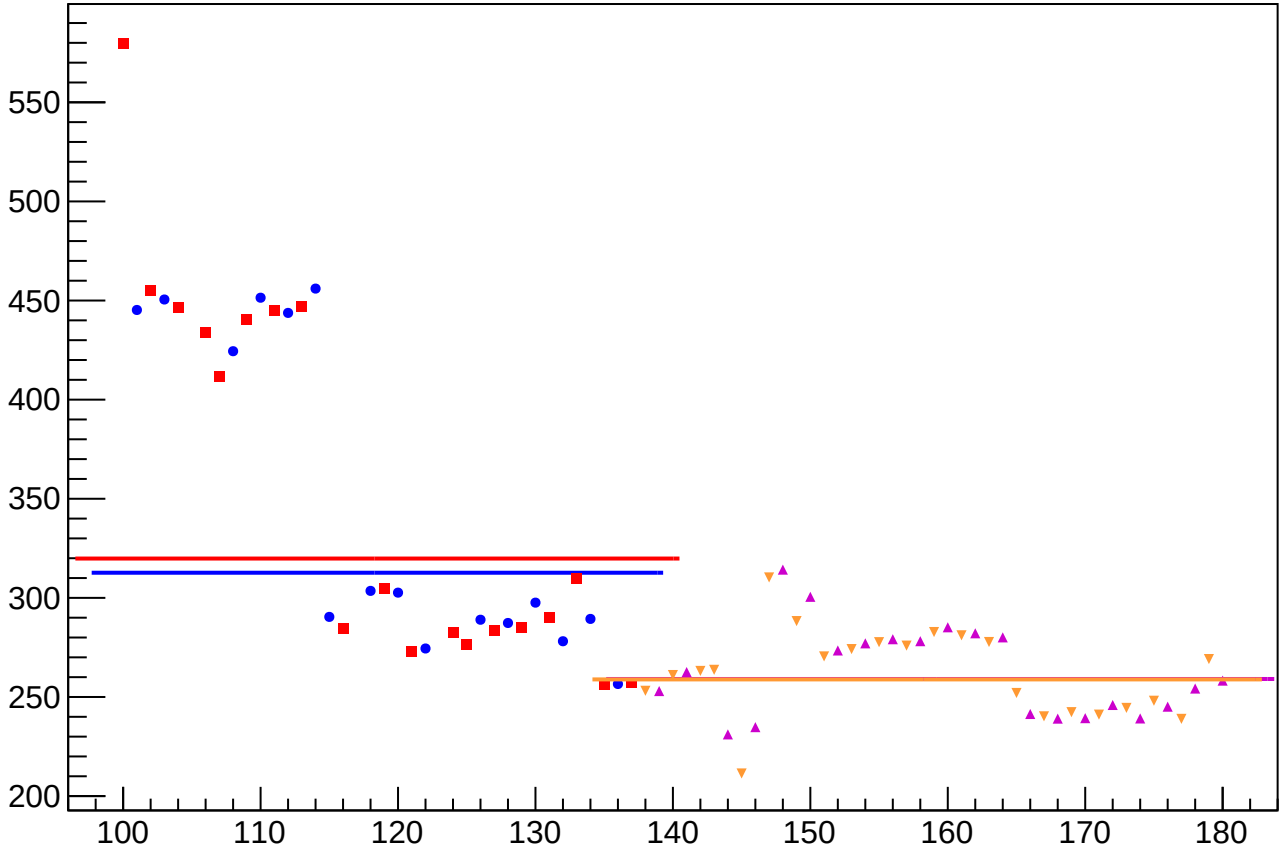
Left In: 175.977+/-62.666 χ^2/NDF:21.2/20

+ sign -165.990+/-55.080 χ^2/NDF: 74.9/37

All: -34.869+/-39.118 χ^2/NDF: 129.8/77

- 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: 258.865+/-0.044 χ^2/NDF:247649.3/21

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

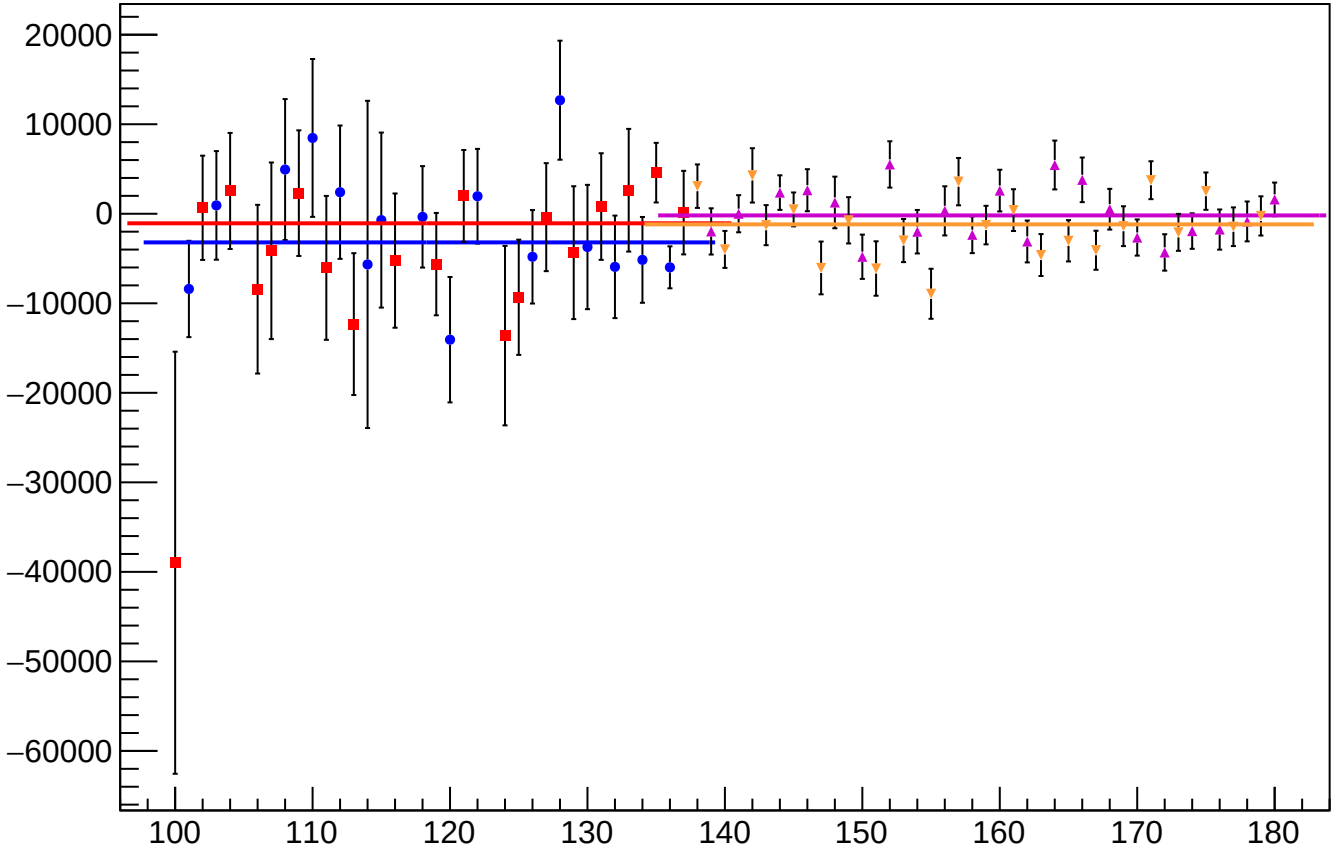
Left In: 259.083+/-0.044 χ^2/NDF:243050.2/20

+ sign 270.420+/-0.039 χ^2/NDF: 1171775.9/37

All: 271.238+/-0.028 χ^2/NDF: 2515447.6/77

- sign 272.070+/-0.039 χ^2/NDF: 1342781.8/39

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1184.951+/-493.869 χ^2/NDF:39.8/21

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

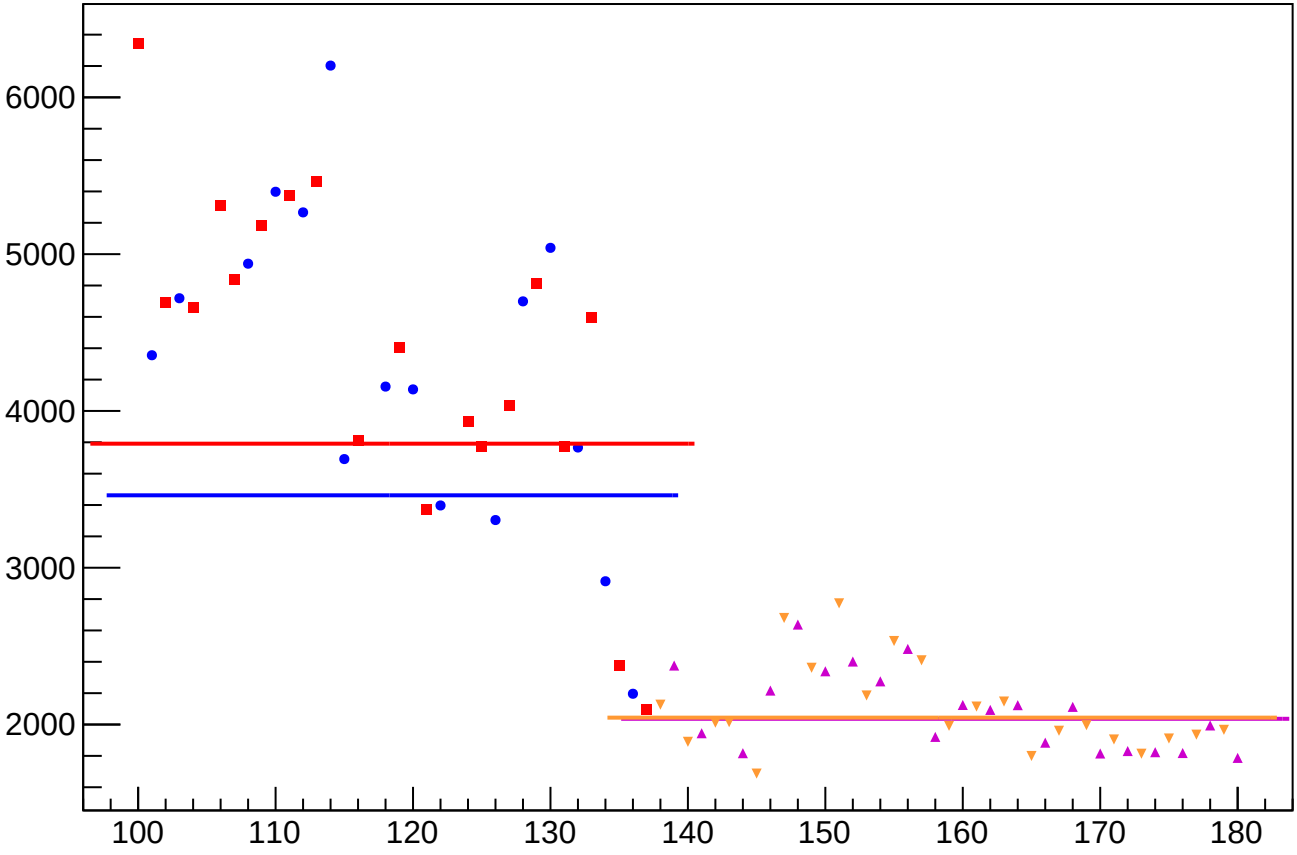
Left In: -184.457+/-494.693 χ^2/NDF:31.7/20

+ sign -1421.467+/-463.961 χ^2/NDF: 57.9/37

All: -854.215+/-329.478 χ^2/NDF: 107.4/77

- 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: 2043.865+/-0.349 χ^2/NDF:512053.7/21

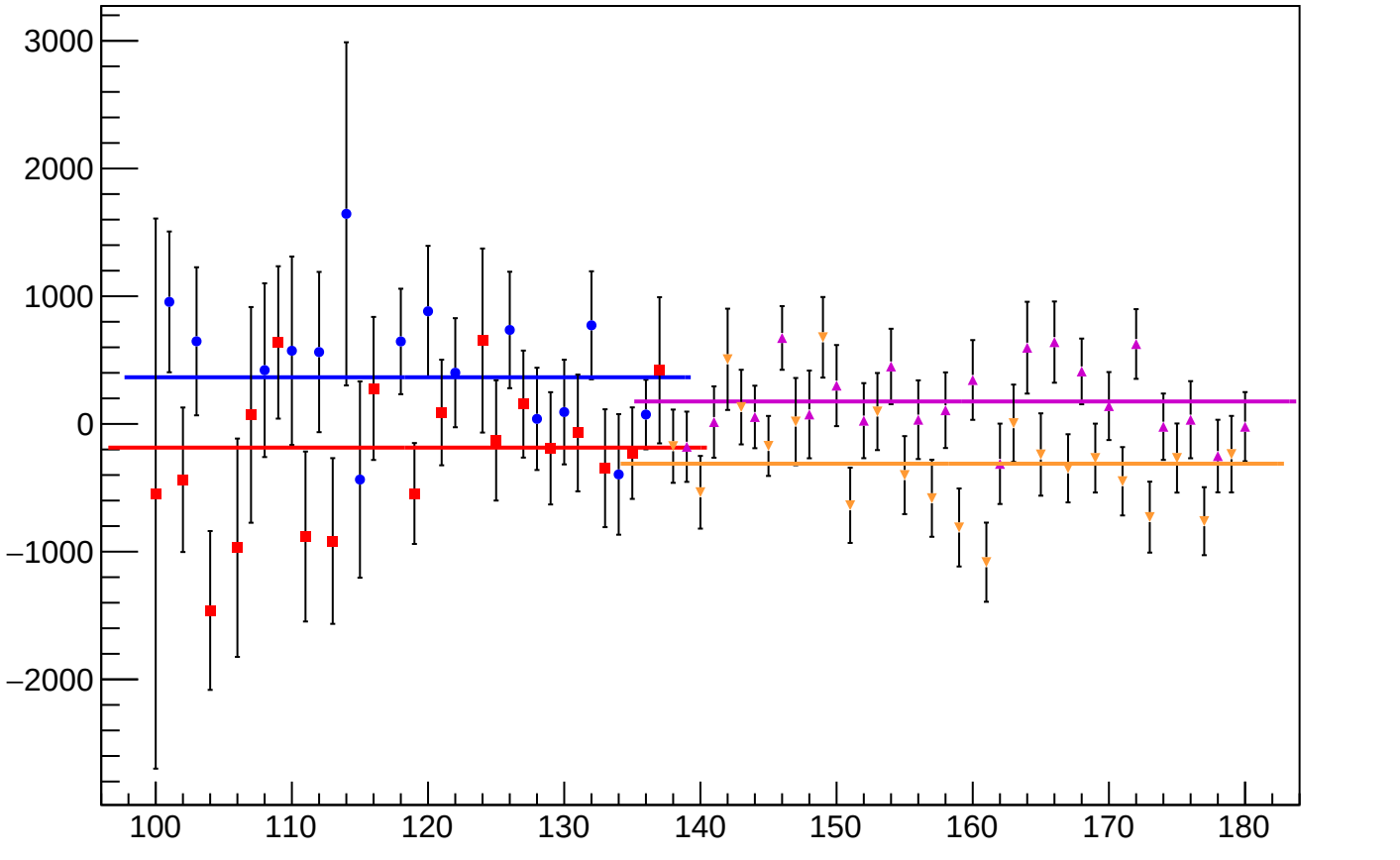
Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2036.498+/-0.350 χ^2/NDF:449537.8/20

+ sign 2210.414+/-0.328 χ^2/NDF: 3758247.8/37

All: 2215.642+/-0.233 χ^2/NDF: 8009348.0/77

- sign 2220.961+/-0.331 χ^2/NDF: 4250587.9/39



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -311.306+/-62.155 χ^2/NDF:38.0/21

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

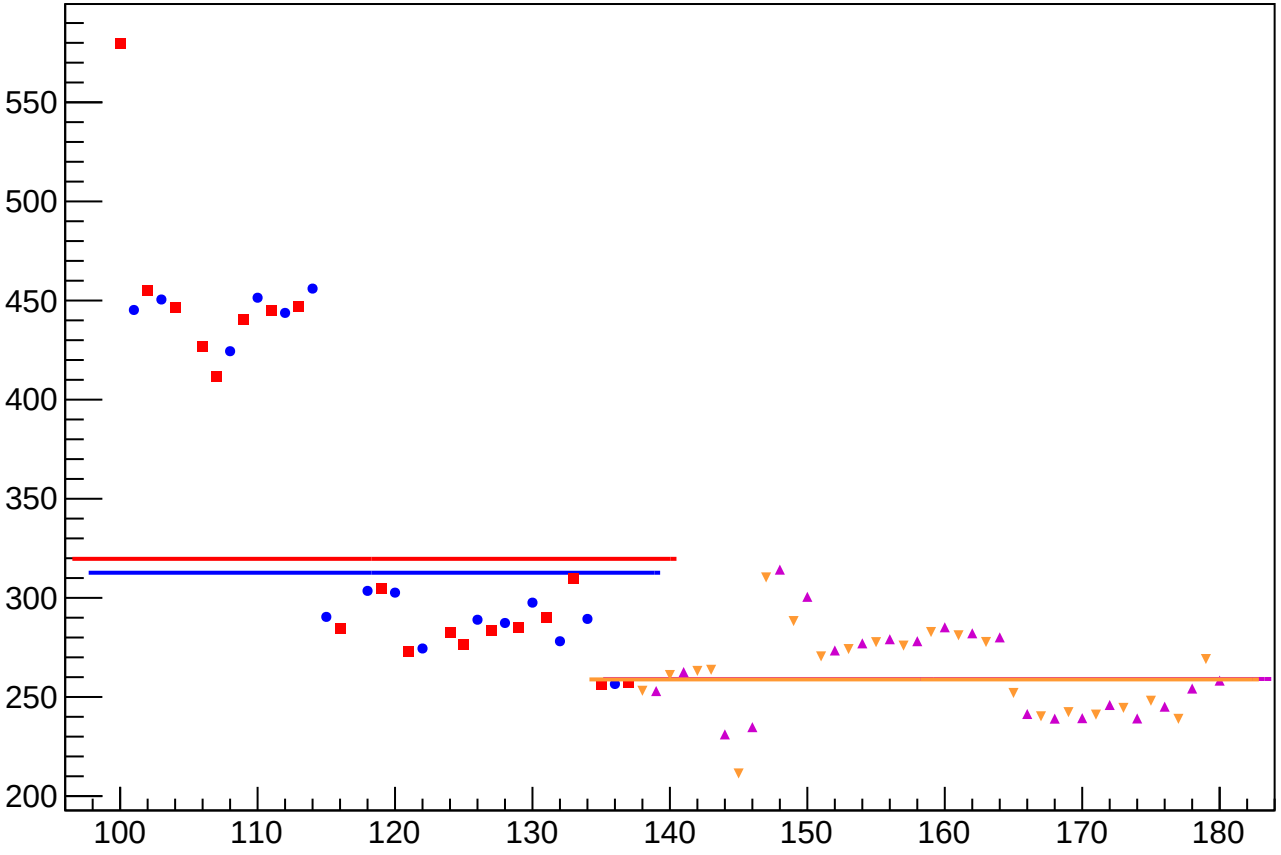
Left In: 175.986+/-62.666 χ^2/NDF:21.2/20

\+ sign -165.994+/-55.080 χ^2/NDF: 74.9/37

All: -34.779+/-39.119 χ^2/NDF: 129.7/77

\- 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: 258.865+/-0.044 χ^2/NDF:247649.4/21

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

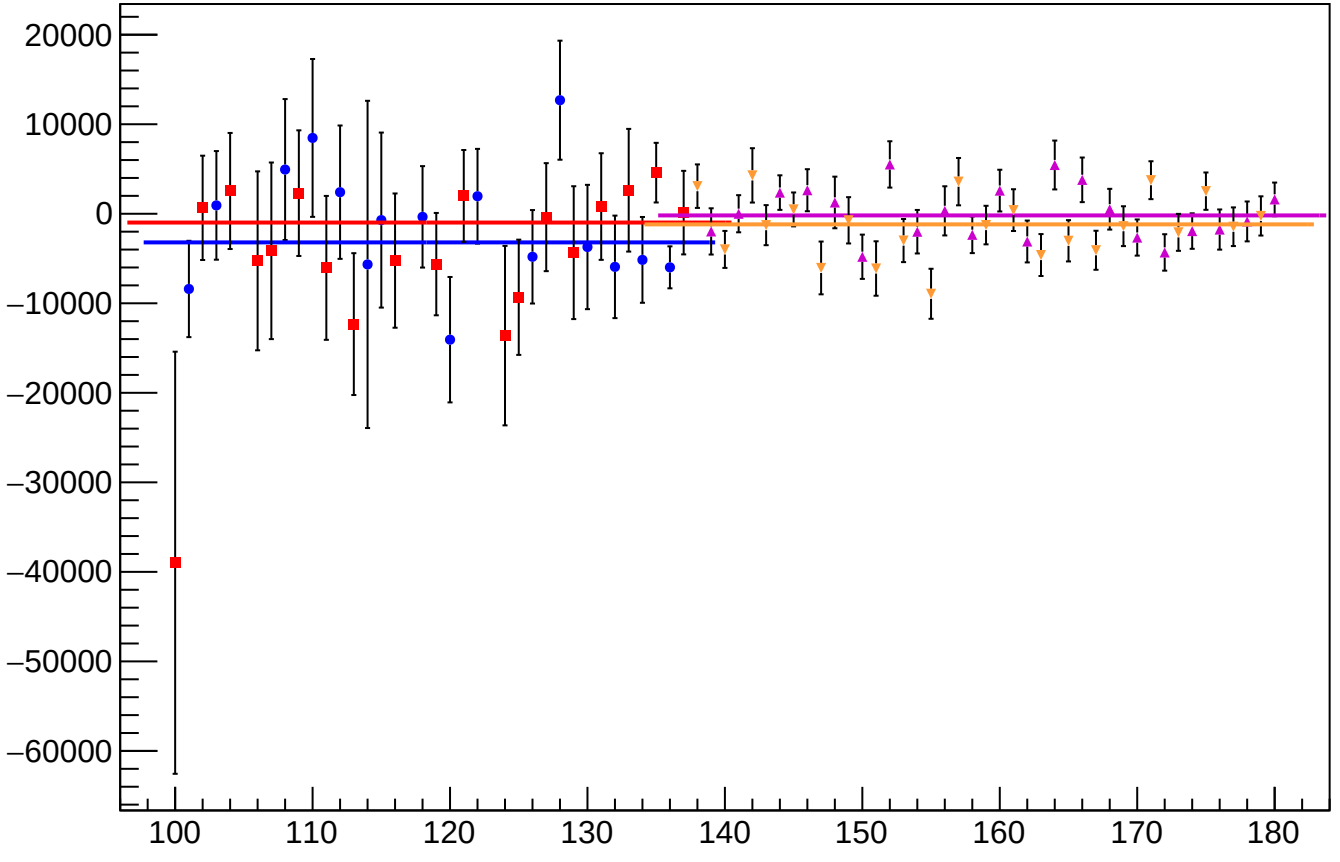
Left In: 259.083+/-0.044 χ^2/NDF:243050.2/20

+ sign 270.420+/-0.039 χ^2/NDF: 1171777.5/37

All: 271.221+/-0.028 χ^2/NDF: 2509233.9/77

- 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: -1184.953+/-493.869 χ^2/NDF:39.8/21

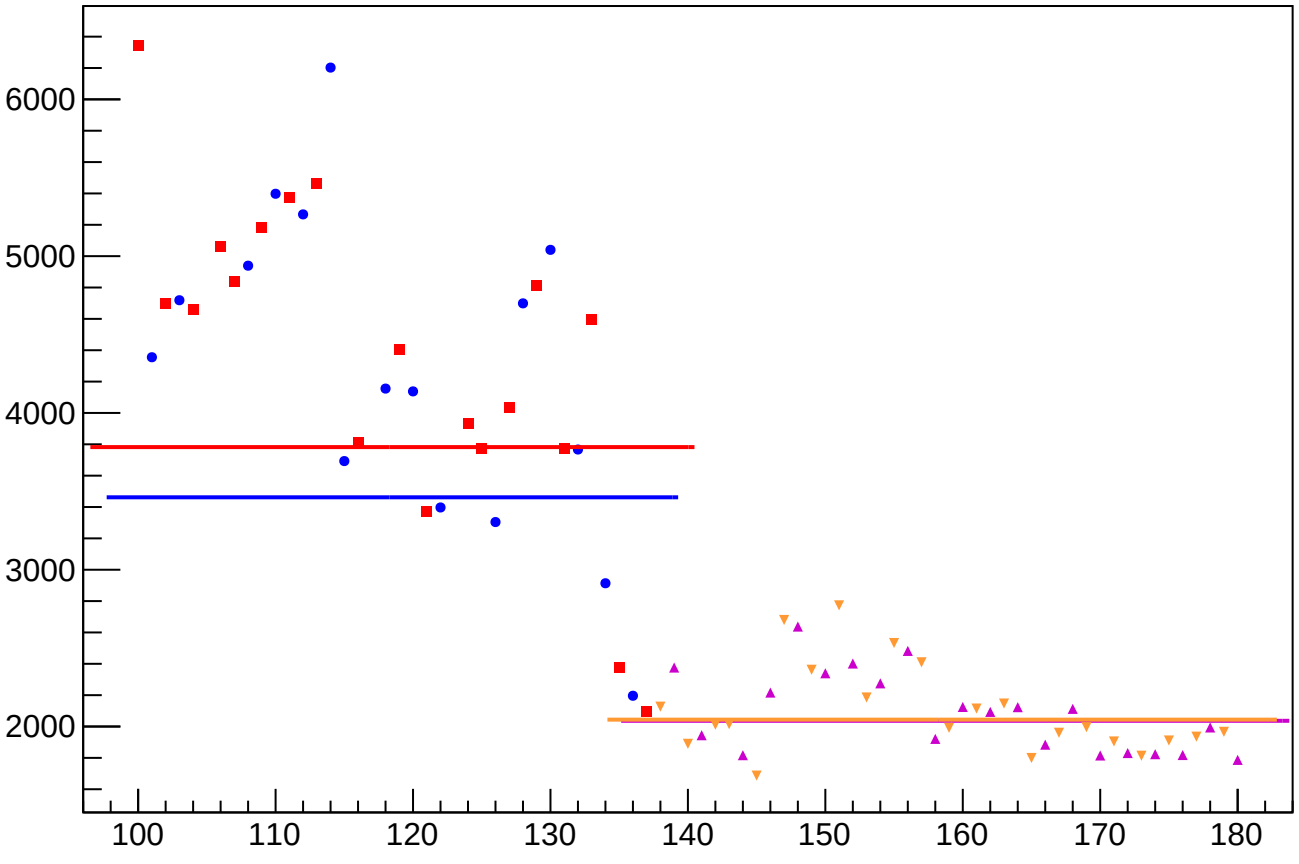
Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -184.457+/-494.693 χ^2/NDF:31.7/20

+ sign -1421.460+/-463.962 χ^2/NDF: 57.9/37

All: -849.764+/-329.501 χ^2/NDF: 106.9/77

- 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: 2043.865+/-0.349 χ^2/NDF:512054.5/21

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

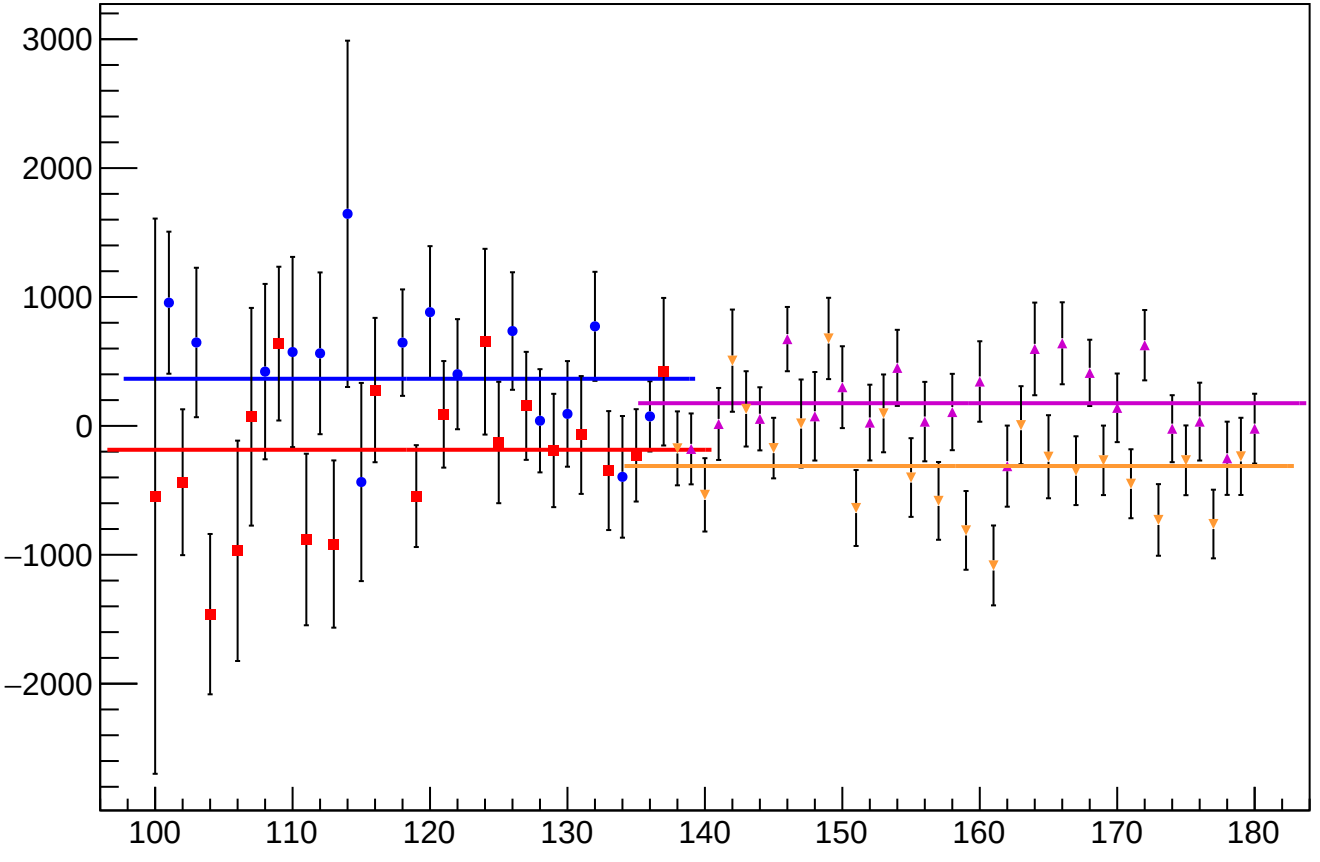
Left In: 2036.498+/-0.350 χ^2/NDF:449541.2/20

+ sign 2210.414+/-0.328 χ^2/NDF: 3758269.5/37

All: 2214.953+/-0.233 χ^2/NDF: 7956391.0/77

- 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: -311.306+/-62.155 χ^2/NDF:38.0/21

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

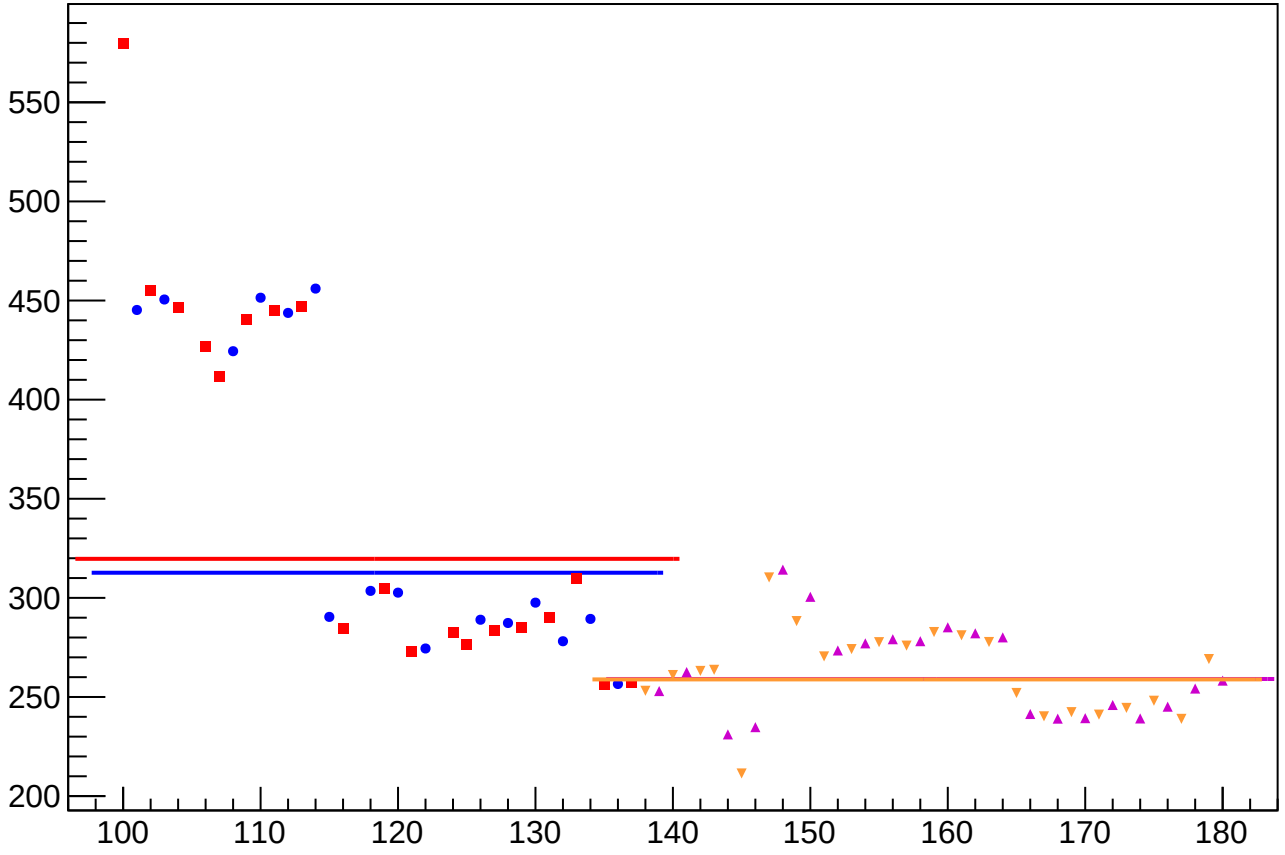
Left In: 175.986+/-62.666 χ^2/NDF:21.2/20

+ sign -165.994+/-55.080 χ^2/NDF: 74.9/37

All: -34.779+/-39.119 χ^2/NDF: 129.7/77

- 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: 258.865+/-0.044 χ^2/NDF:247649.4/21

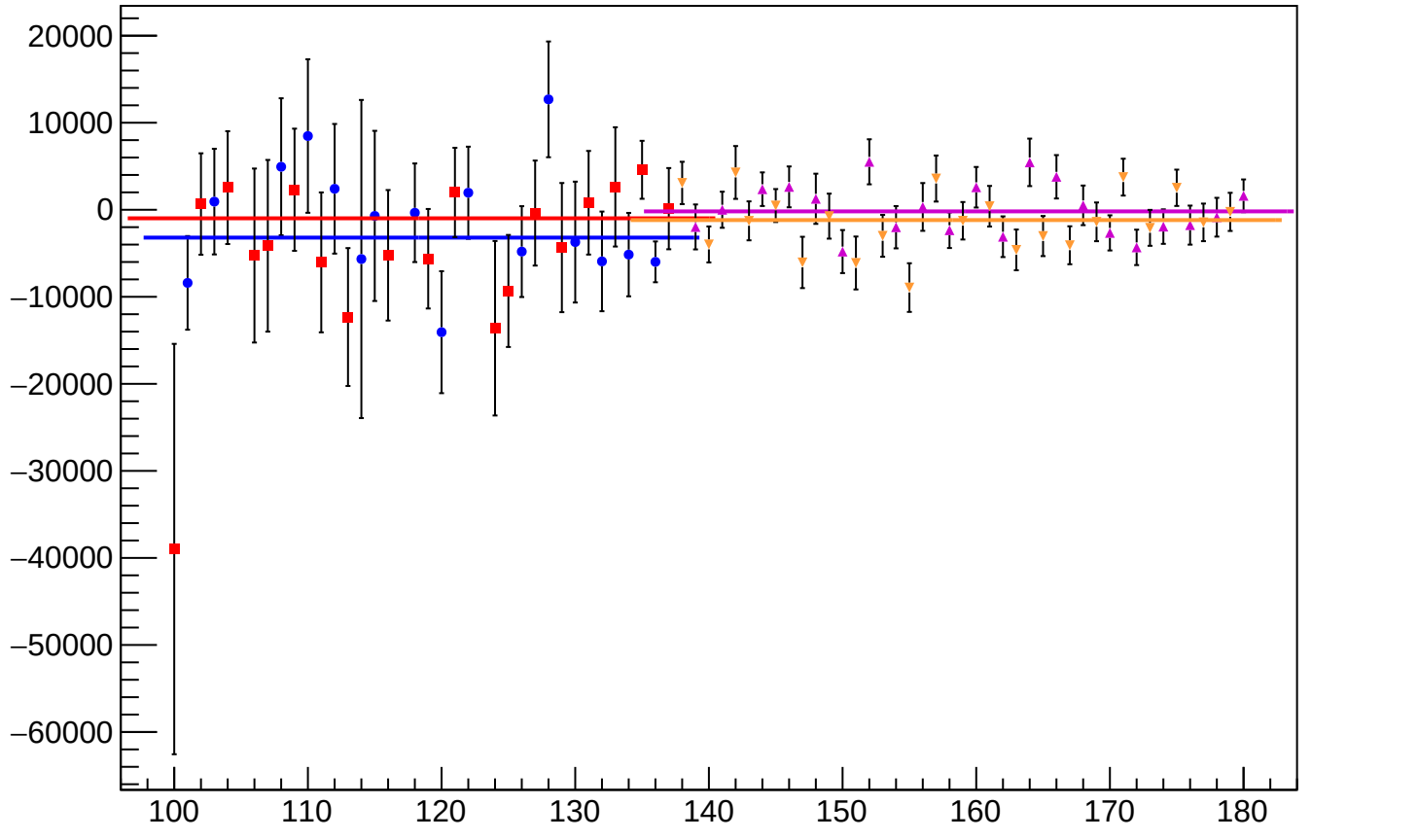
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.083+/-0.044 χ^2/NDF:243050.2/20

+ sign 270.420+/-0.039 χ^2/NDF: 1171777.5/37

All: 271.221+/-0.028 χ^2/NDF: 2509233.9/77

- 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: -1184.953+/-493.869 χ^2/NDF:39.8/21

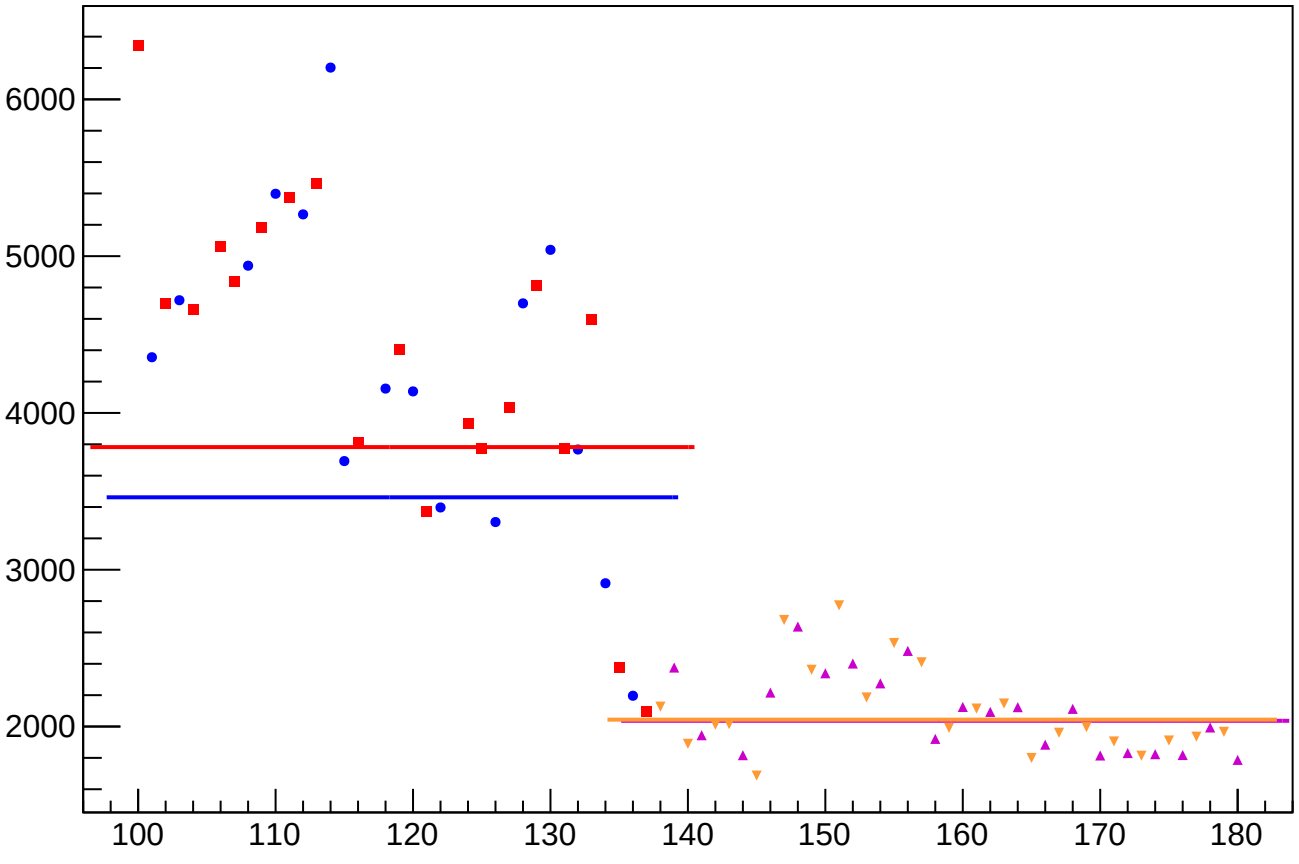
Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -184.457+/-494.693 χ^2/NDF:31.7/20

+ sign -1421.460+/-463.962 χ^2/NDF: 57.9/37

All: -849.764+/-329.501 χ^2/NDF: 106.9/77

- 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: 2043.865+/-0.349 χ^2/NDF:512054.5/21

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

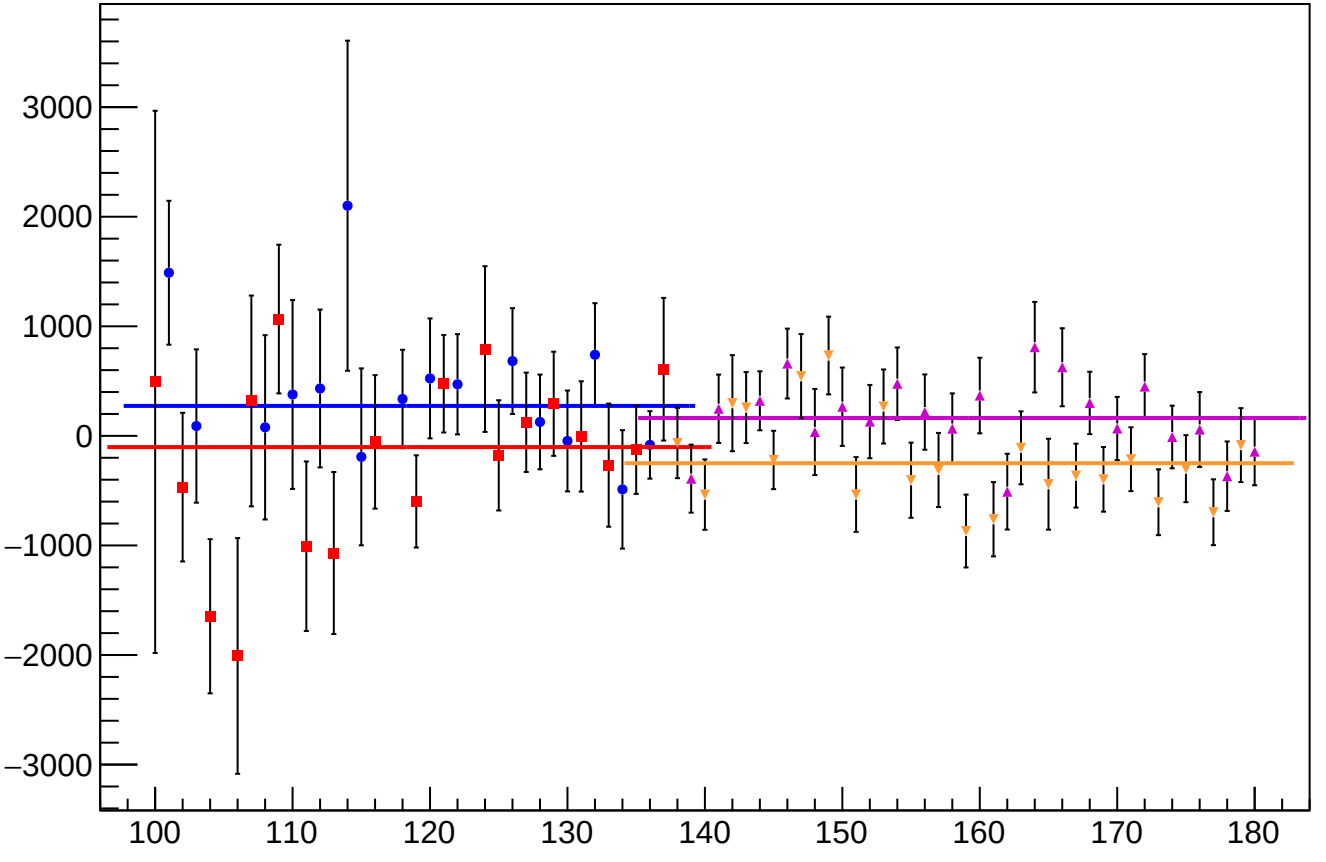
Left In: 2036.498+/-0.350 χ^2/NDF:449541.2/20

+ sign 2210.414+/-0.328 χ^2/NDF: 3758269.5/37

All: 2214.953+/-0.233 χ^2/NDF: 7956391.0/77

- 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: -249.303+/-69.538 χ^2/NDF:30.8/21

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

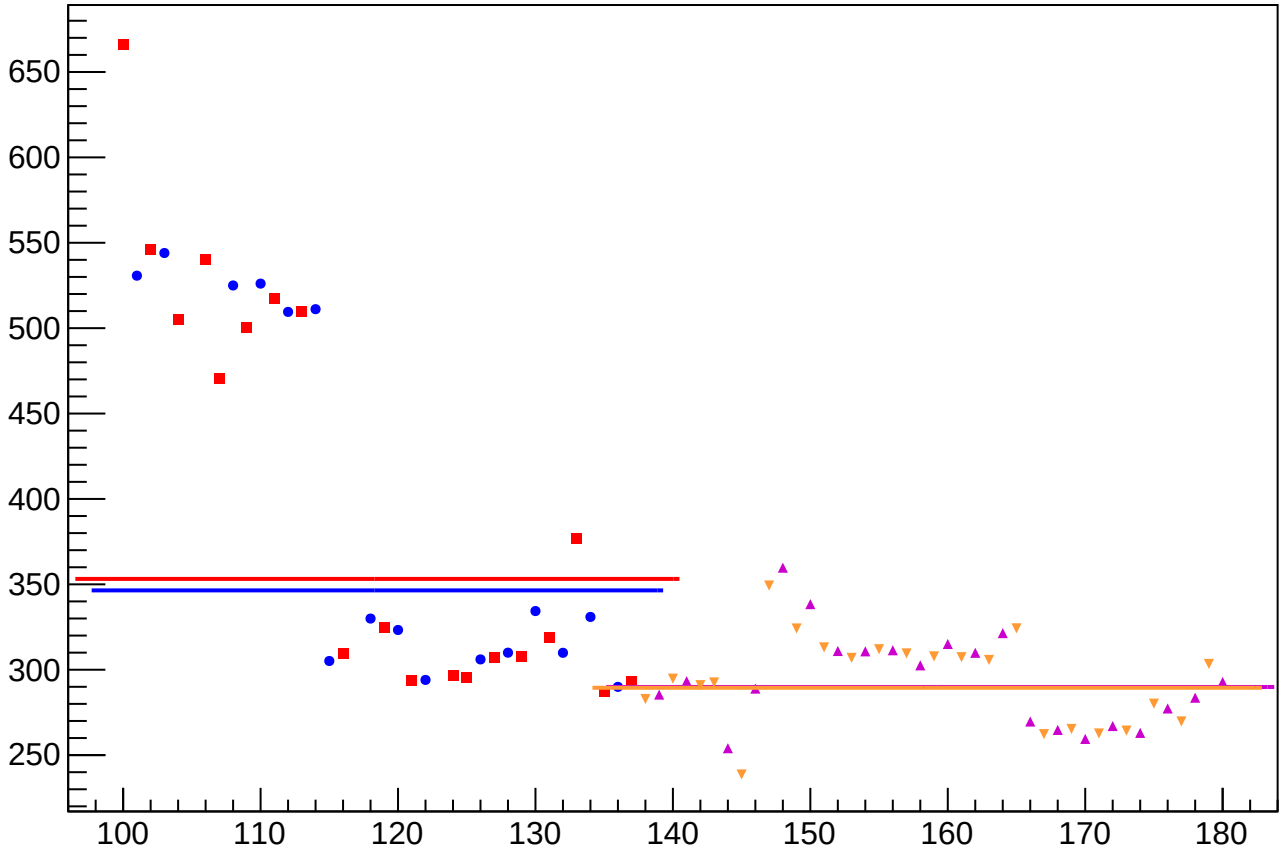
Left In: 163.340+/-70.293 χ^2/NDF:21.1/20

+ sign -136.436+/-61.577 χ^2/NDF: 54.5/37

All: -16.585+/-43.763 χ^2/NDF: 107.6/77

- 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: 289.432+/-0.049 χ^2/NDF:278738.3/21

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

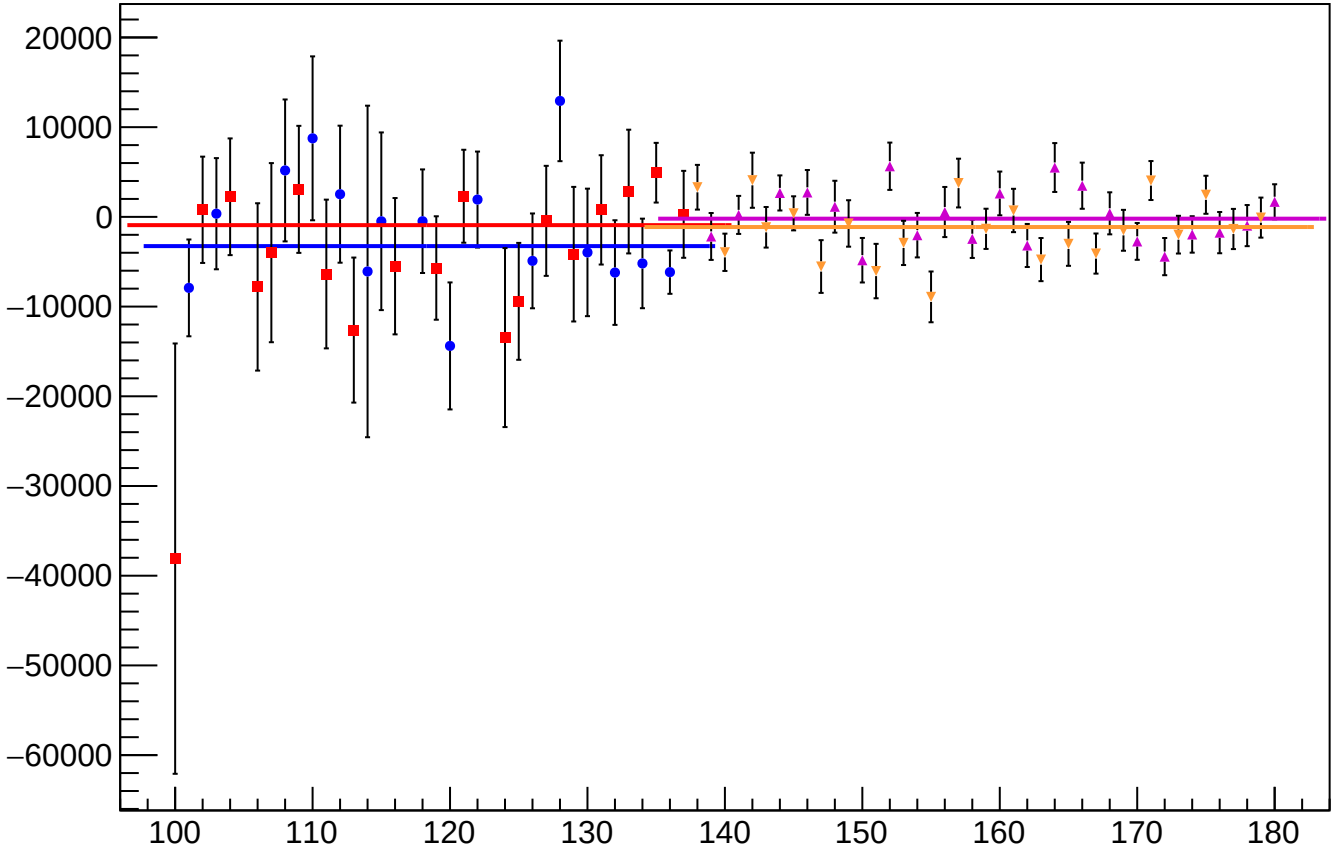
Left In: 289.899+/-0.050 χ^2/NDF:269525.8/20

+ sign 301.741+/-0.044 χ^2/NDF: 1337798.1/37

All: 302.670+/-0.031 χ^2/NDF: 2825981.1/77

- 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: -1133.073+/-504.236 χ^2/NDF:39.0/21

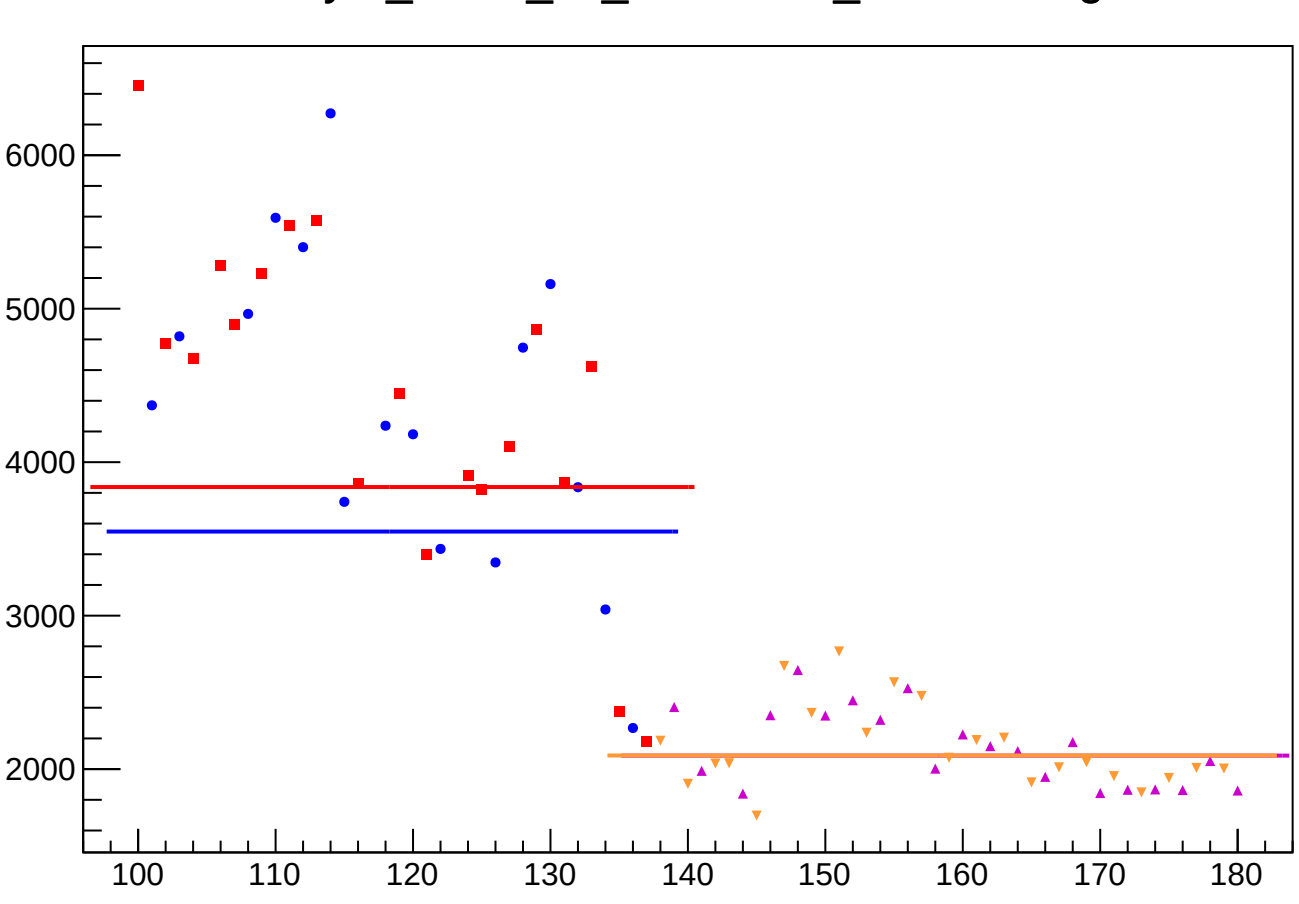
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -201.032+/-506.998 χ^2/NDF:31.8/20

+ sign -1382.133+/-473.777 χ^2/NDF: 57.1/37

All: -836.310+/-336.831 χ^2/NDF: 106.4/77

- sign -278.462+/-478.968 χ^2/NDF: 46.6/39



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2088.856+/-0.357 χ^2/NDF:482353.5/21

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

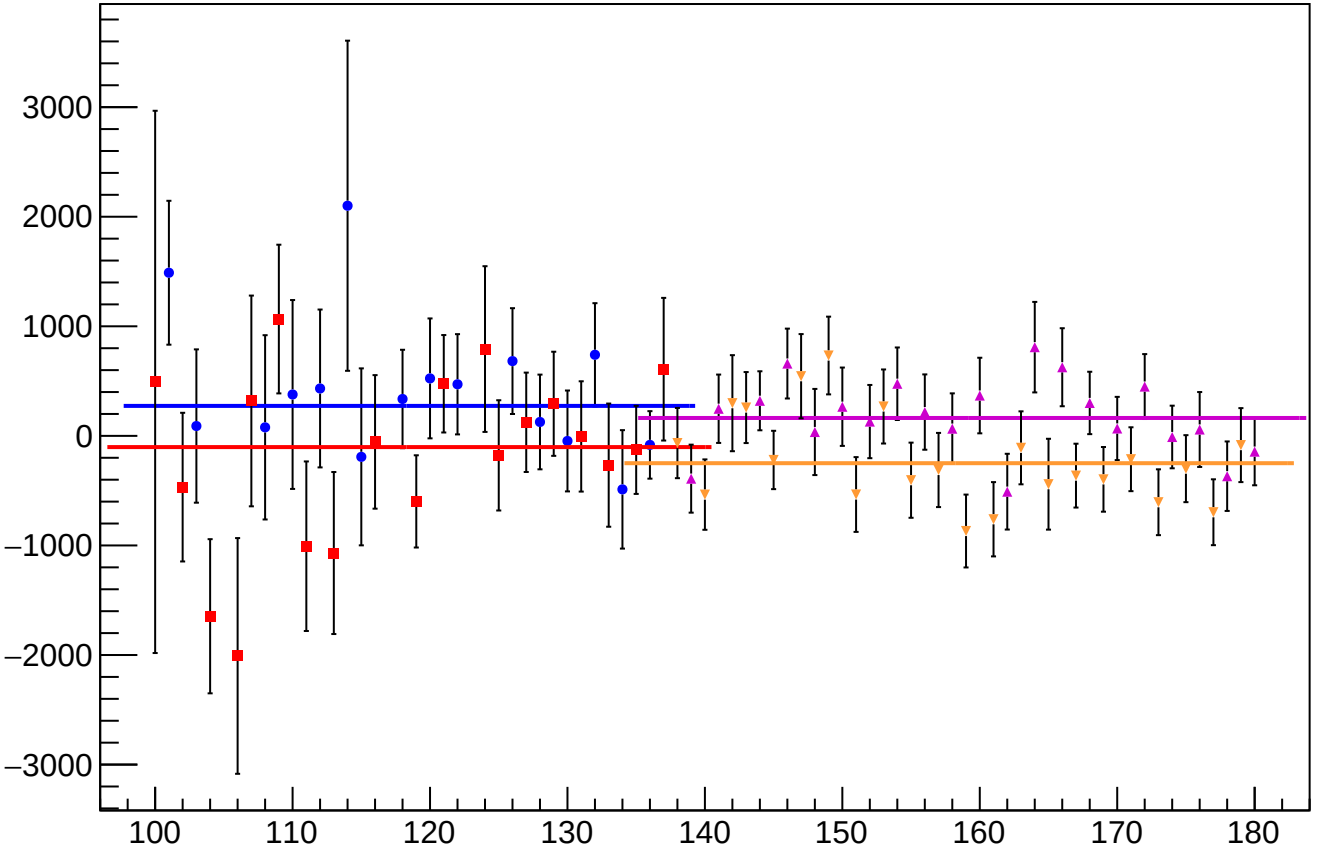
Left In: 2088.014+/-0.359 χ^2/NDF:430209.6/20

\+ sign 2259.810+/-0.335 χ^2/NDF: 3702976.0/37

All: 2267.897+/-0.238 χ^2/NDF: 7852000.4/77

\- 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: -249.307+/-69.538 χ^2/NDF:30.8/21

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

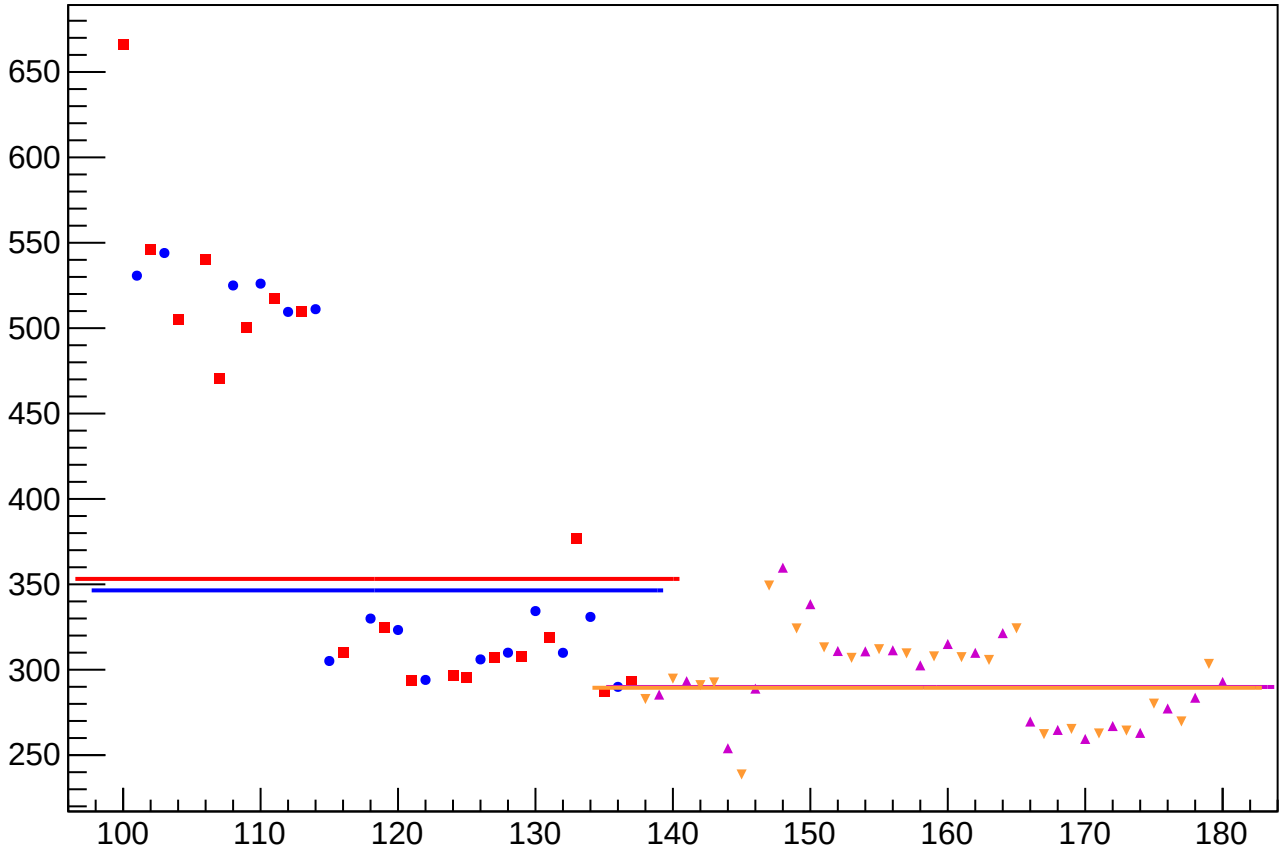
Left In: 163.342+/-70.293 χ^2/NDF:21.1/20

+ sign -136.437+/-61.577 χ^2/NDF: 54.5/37

All: -16.585+/-43.763 χ^2/NDF: 107.6/77

- 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: 289.433+/-0.049 χ^2/NDF:278744.1/21

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

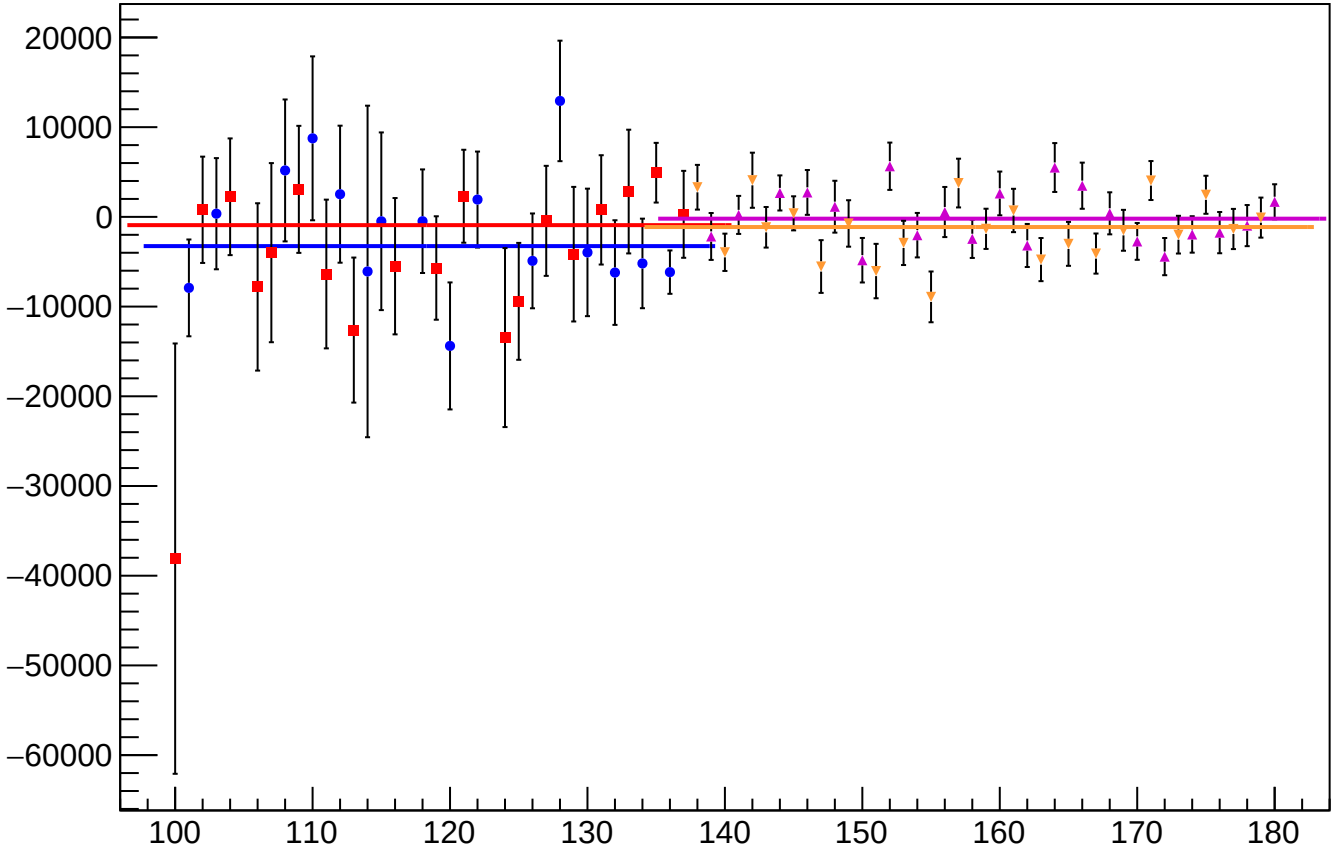
Left In: 289.899+/-0.050 χ^2/NDF:269528.2/20

+ sign 301.741+/-0.044 χ^2/NDF: 1337776.3/37

All: 302.669+/-0.031 χ^2/NDF: 2825938.8/77

- sign 303.617+/-0.044 χ^2/NDF: 1487243.3/39

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1133.074+/-504.236 χ^2/NDF:39.0/21

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

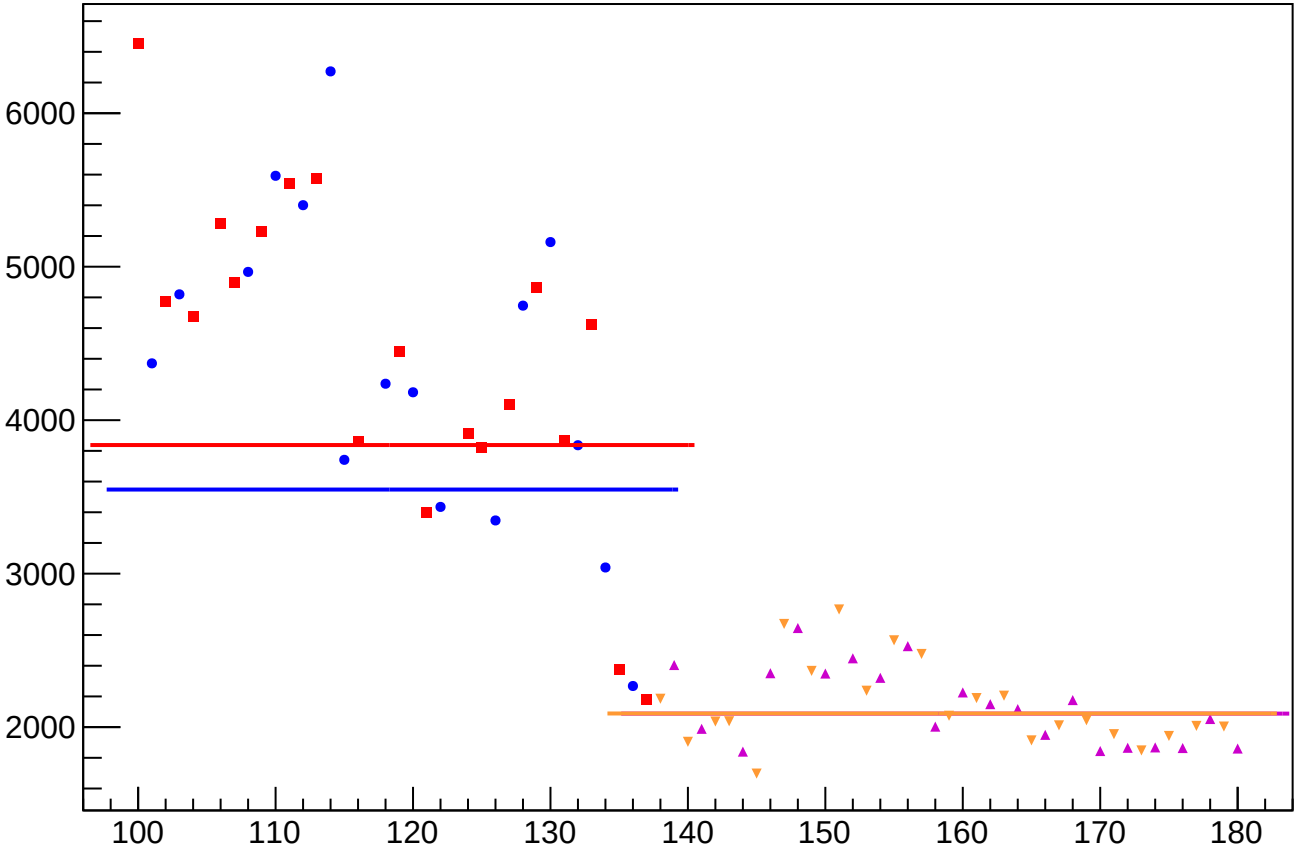
Left In: -201.033+/-506.998 χ^2/NDF:31.8/20

+ sign -1382.133+/-473.777 χ^2/NDF: 57.1/37

All: -836.311+/-336.831 χ^2/NDF: 106.4/77

- 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: 2088.856+/-0.357 χ^2/NDF:482357.1/21

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

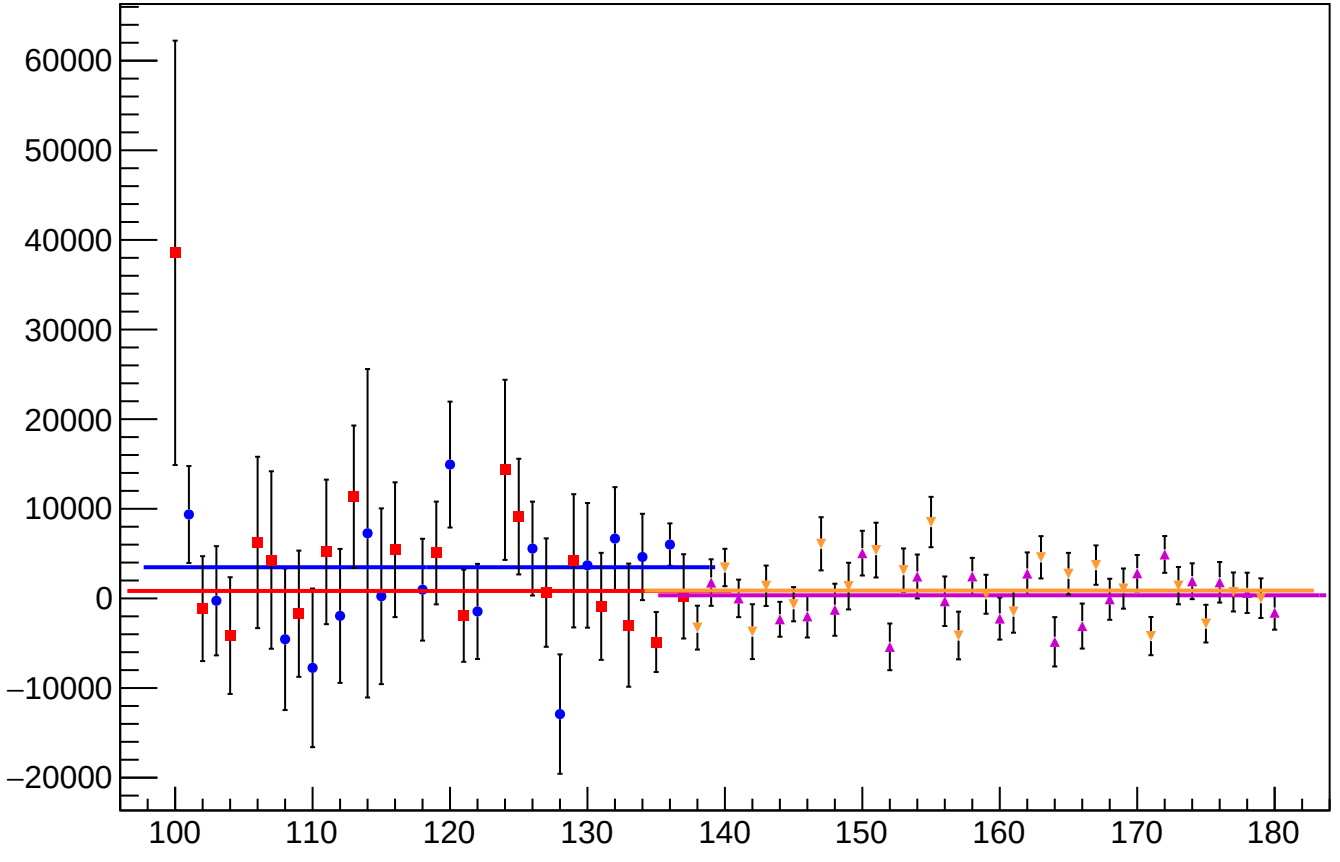
Left In: 2088.015+/-0.359 χ^2/NDF:430209.3/20

\+ sign 2259.810+/-0.335 χ^2/NDF: 3702960.6/37

All: 2267.898+/-0.238 χ^2/NDF: 7851966.6/77

\- 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: 876.530+/-497.921 χ^2/NDF:39.2/21

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

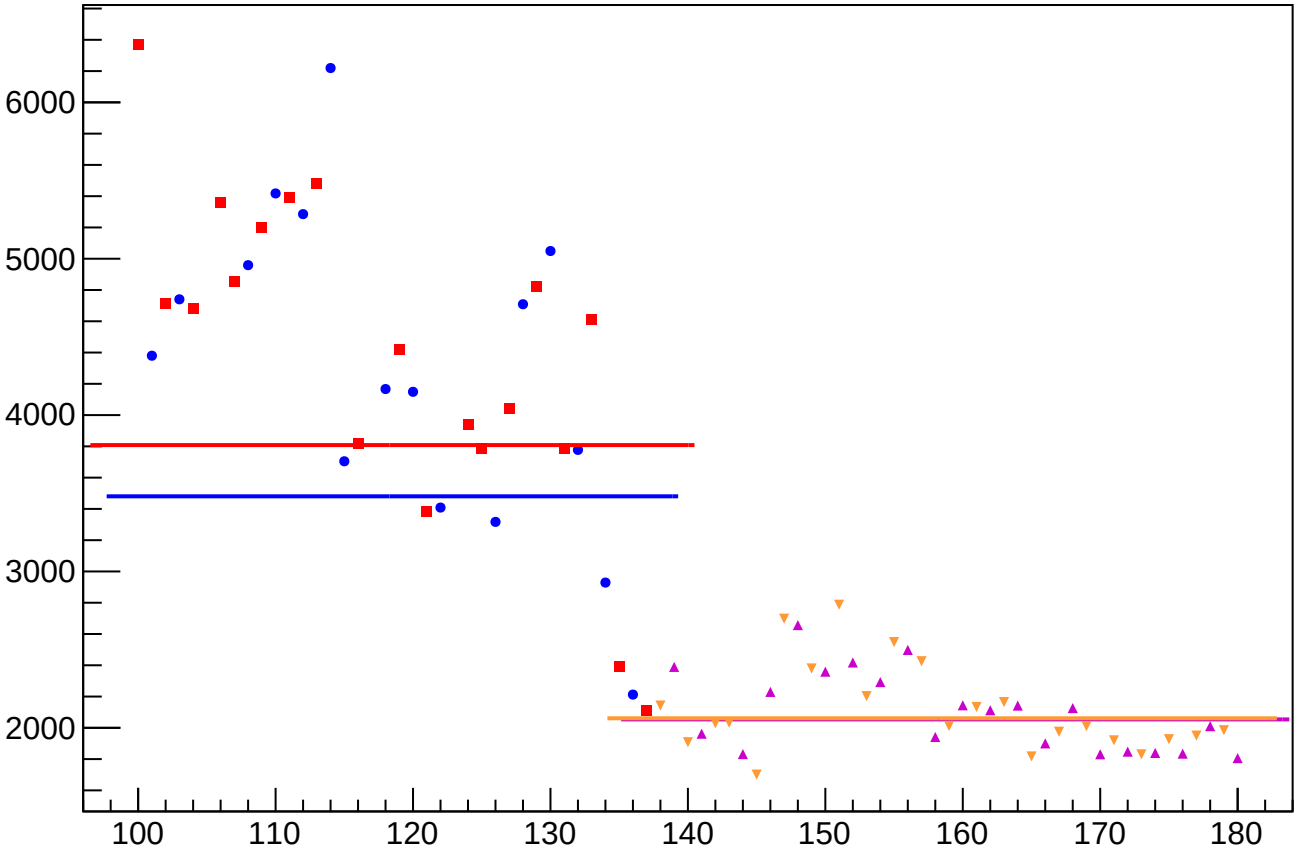
Left In: 347.073+/-498.820 χ^2/NDF:30.0/20

\+ sign 1183.922+/-467.583 χ^2/NDF: 58.8/37

All: 794.621+/-332.069 χ^2/NDF: 104.3/77

\- sign 398.473+/-471.677 χ^2/NDF: 44.1/39

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2060.962+/-0.352 χ^2/NDF:505804.5/21

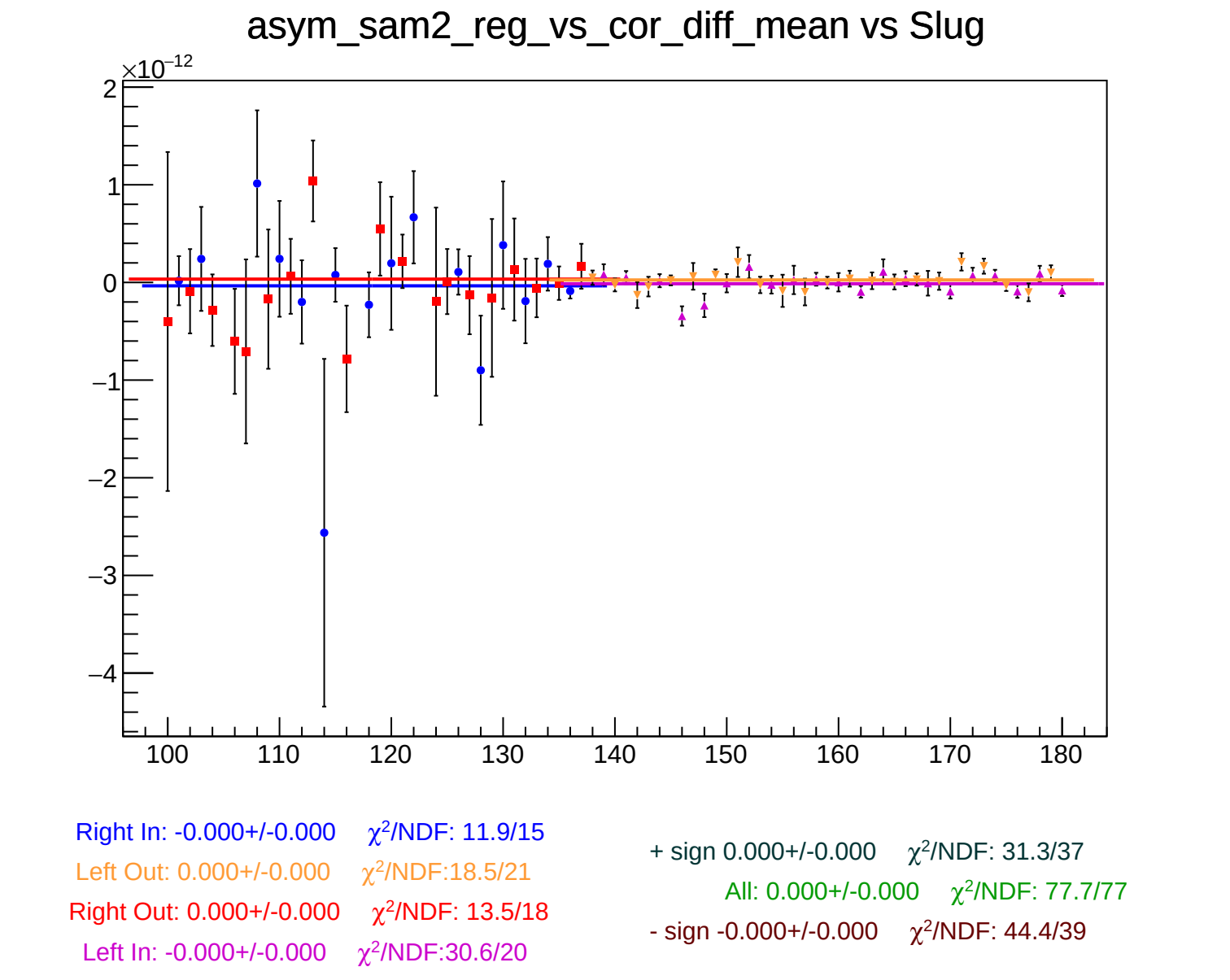
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

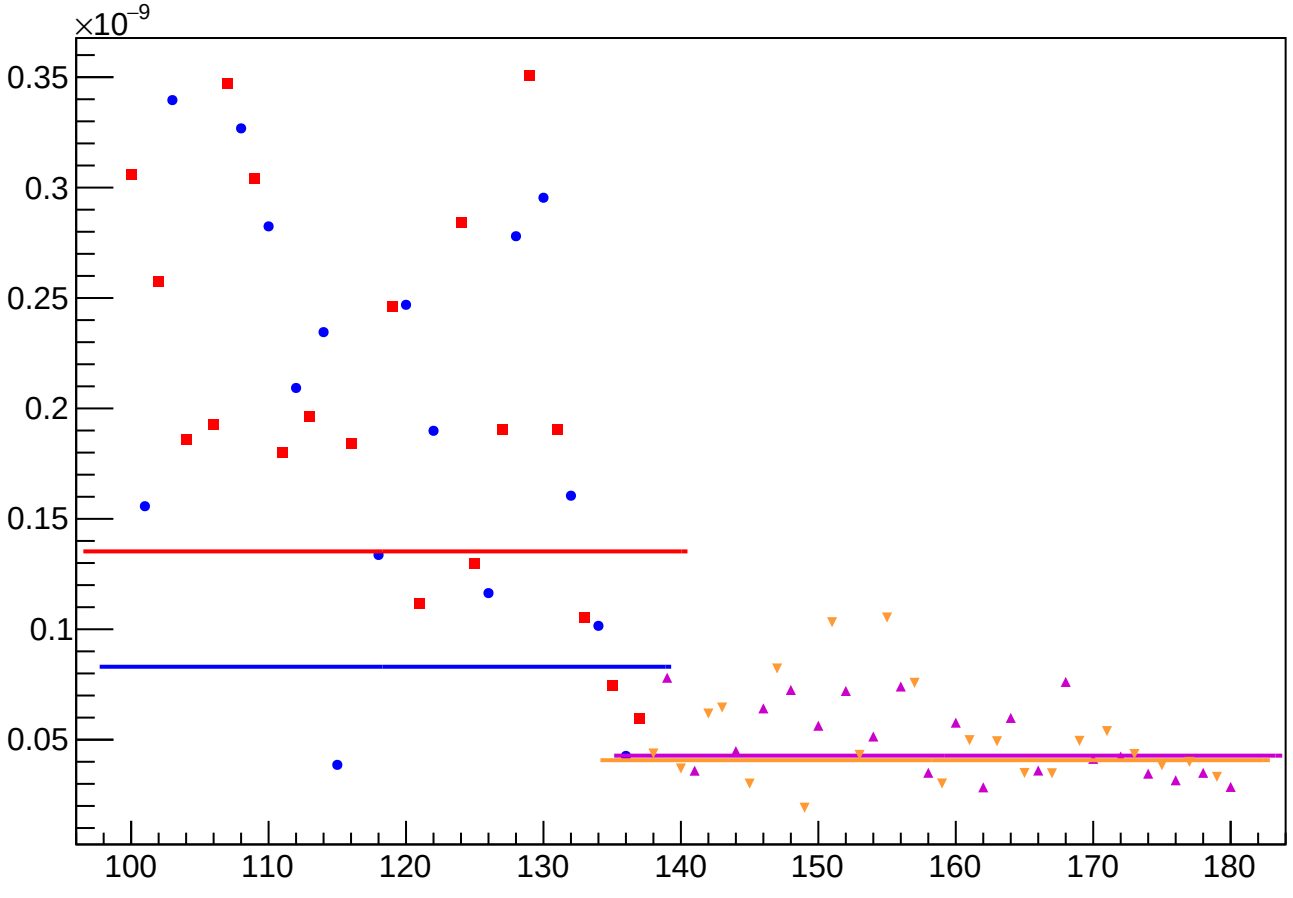
Left In: 2053.801+/-0.353 χ^2/NDF:442541.9/20

+ sign 2228.679+/-0.331 χ^2/NDF: 3723116.3/37

All: 2234.058+/-0.235 χ^2/NDF: 7932774.9/77

- sign 2239.531+/-0.334 χ^2/NDF: 4209124.7/39


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:18.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:30.6/20
+ sign 0.000+/-0.000 χ²/NDF: 31.3/37
All: 0.000+/-0.000 χ²/NDF: 77.7/77
- sign -0.000+/-0.000 χ²/NDF: 44.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1746728.0/21

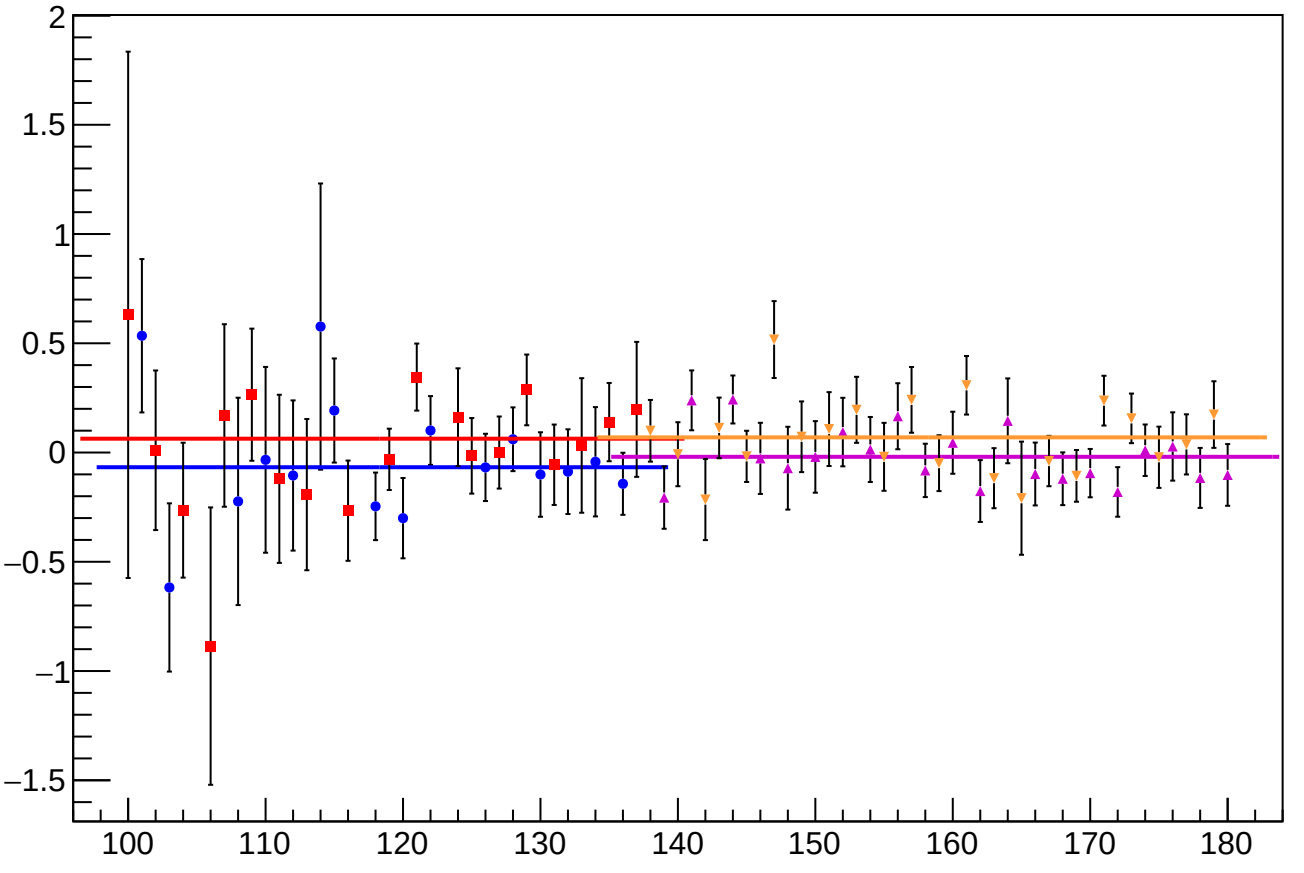
Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1336522.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 5356232.8/37

All: 0.000+/-0.000 χ^2/NDF: 10403913.8/77

- sign 0.000+/-0.000 χ^2/NDF: 5016969.5/39



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

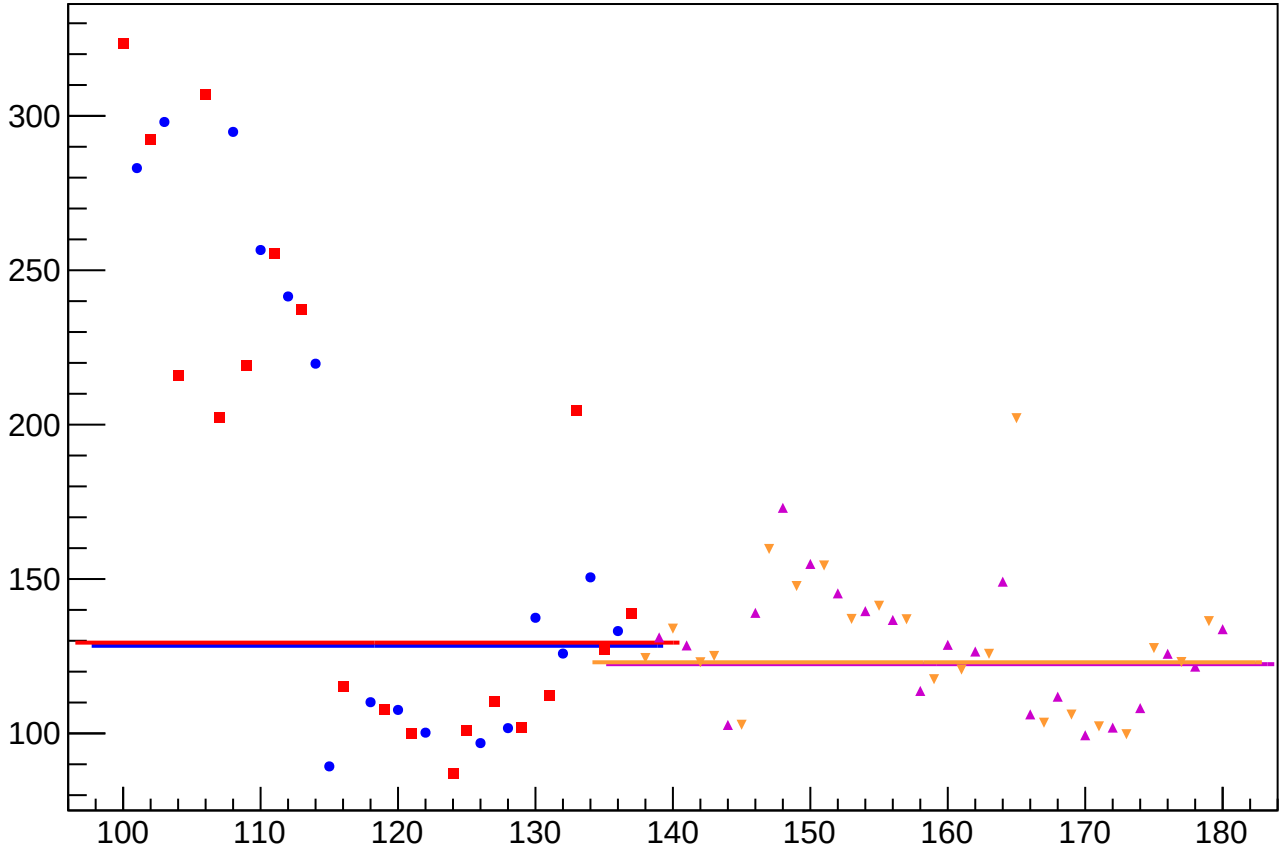
Left In: -0.020+/-0.030 χ^2/NDF:20.0/20

+ sign 0.035+/-0.026 χ^2/NDF: 43.7/37

All: 0.018+/-0.018 χ^2/NDF: 80.5/77

- 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: 123.035+/-0.021 χ^2/NDF:794314.8/21

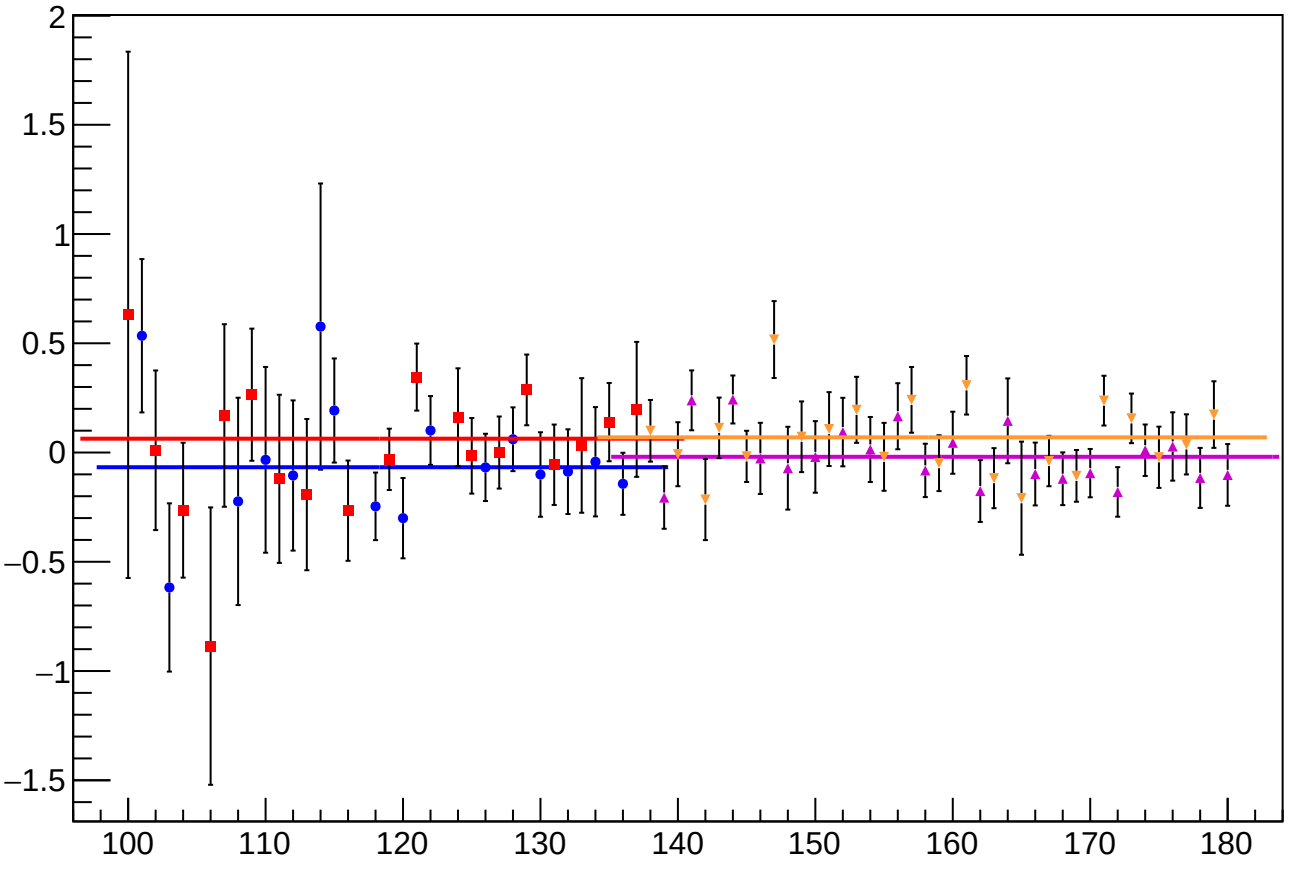
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 122.423+/-0.021 χ^2/NDF:694722.1/20

+ sign 124.372+/-0.018 χ^2/NDF: 2615377.3/37

All: 124.283+/-0.013 χ^2/NDF: 5225675.0/77

- 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: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

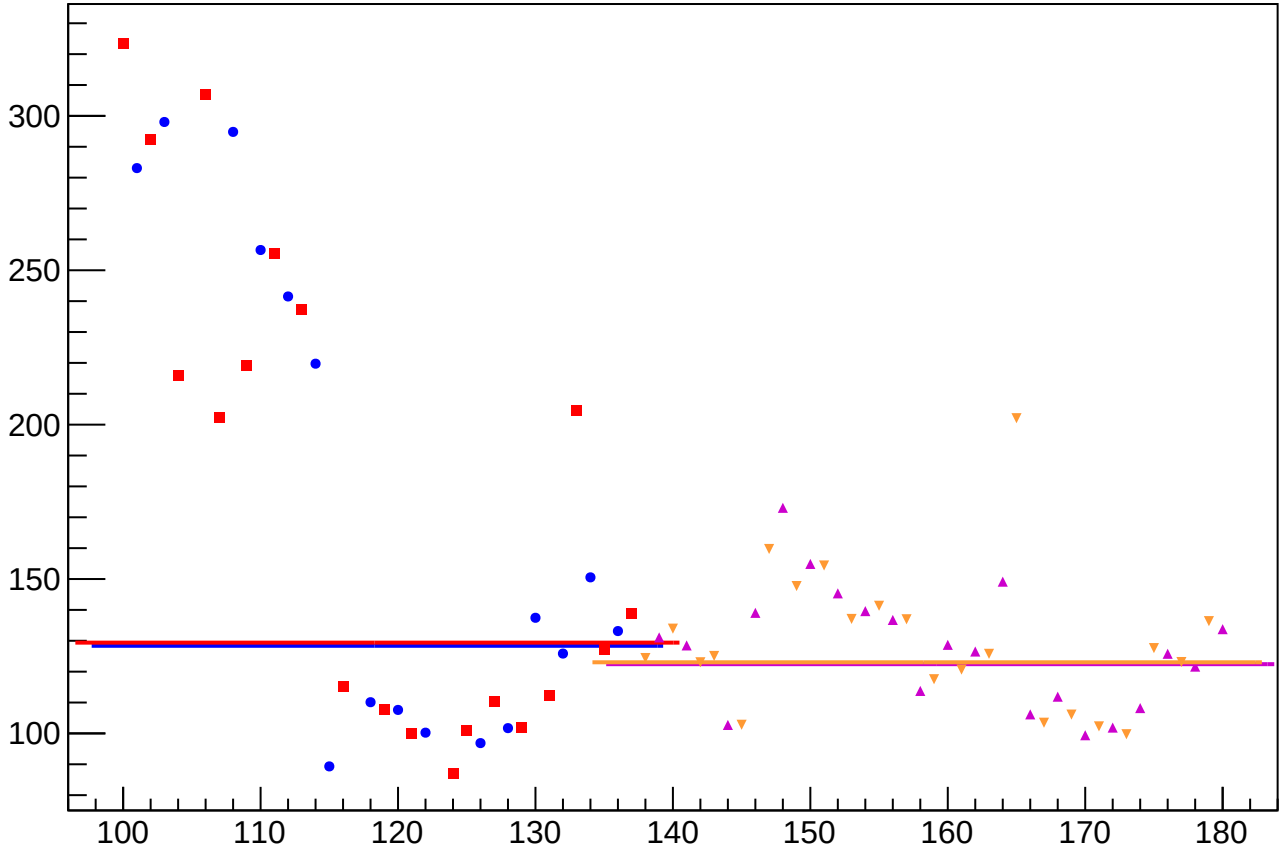
Left In: -0.020+/-0.030 χ^2/NDF:20.0/20

+ sign 0.035+/-0.026 χ^2/NDF: 43.7/37

All: 0.018+/-0.018 χ^2/NDF: 80.5/77

- 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: 123.035+/-0.021 χ^2/NDF:794314.8/21

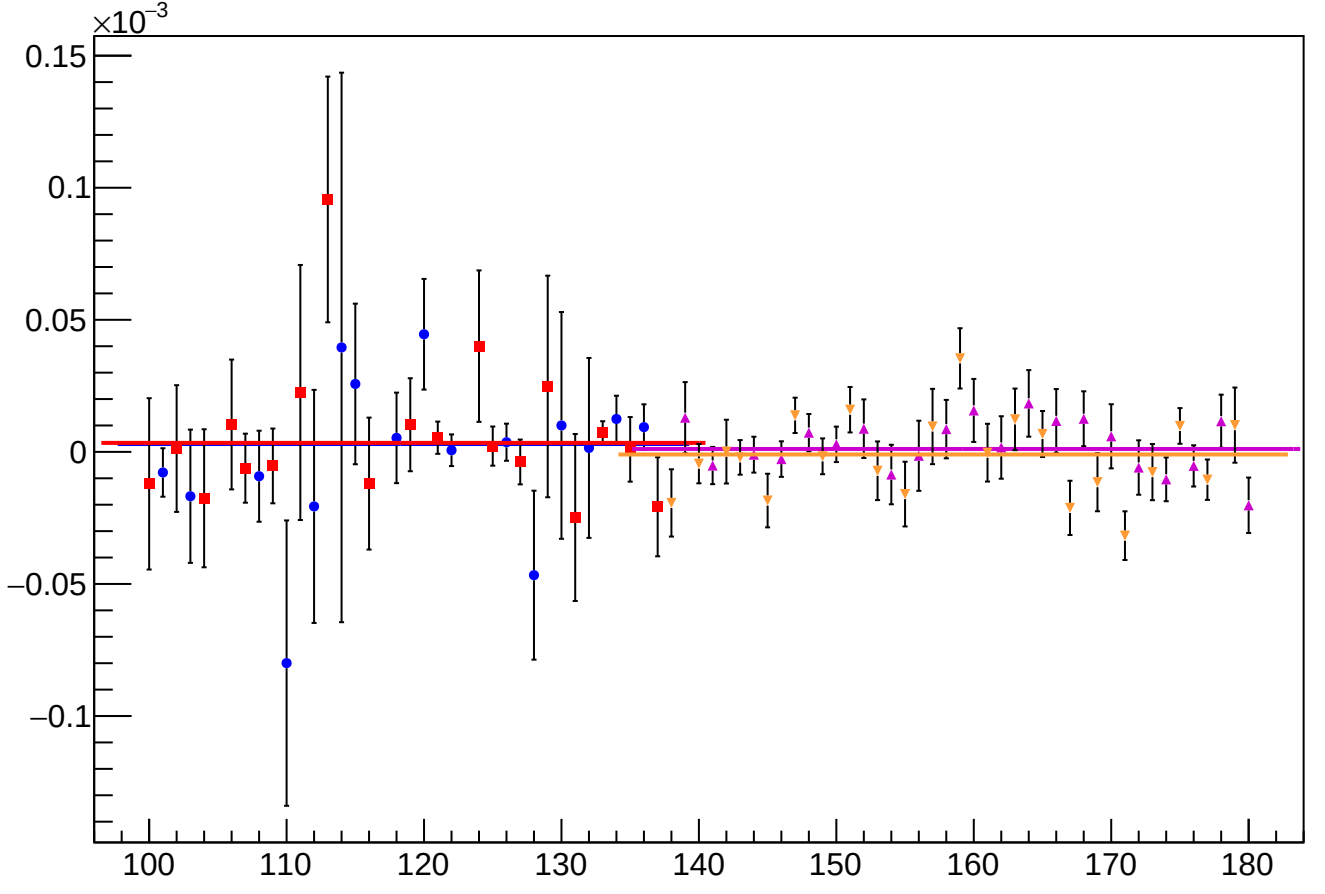
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 122.423+/-0.021 χ^2/NDF:694722.1/20

+ sign 124.372+/-0.018 χ^2/NDF: 2615377.3/37

All: 124.283+/-0.013 χ^2/NDF: 5225675.0/77

- 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:49.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

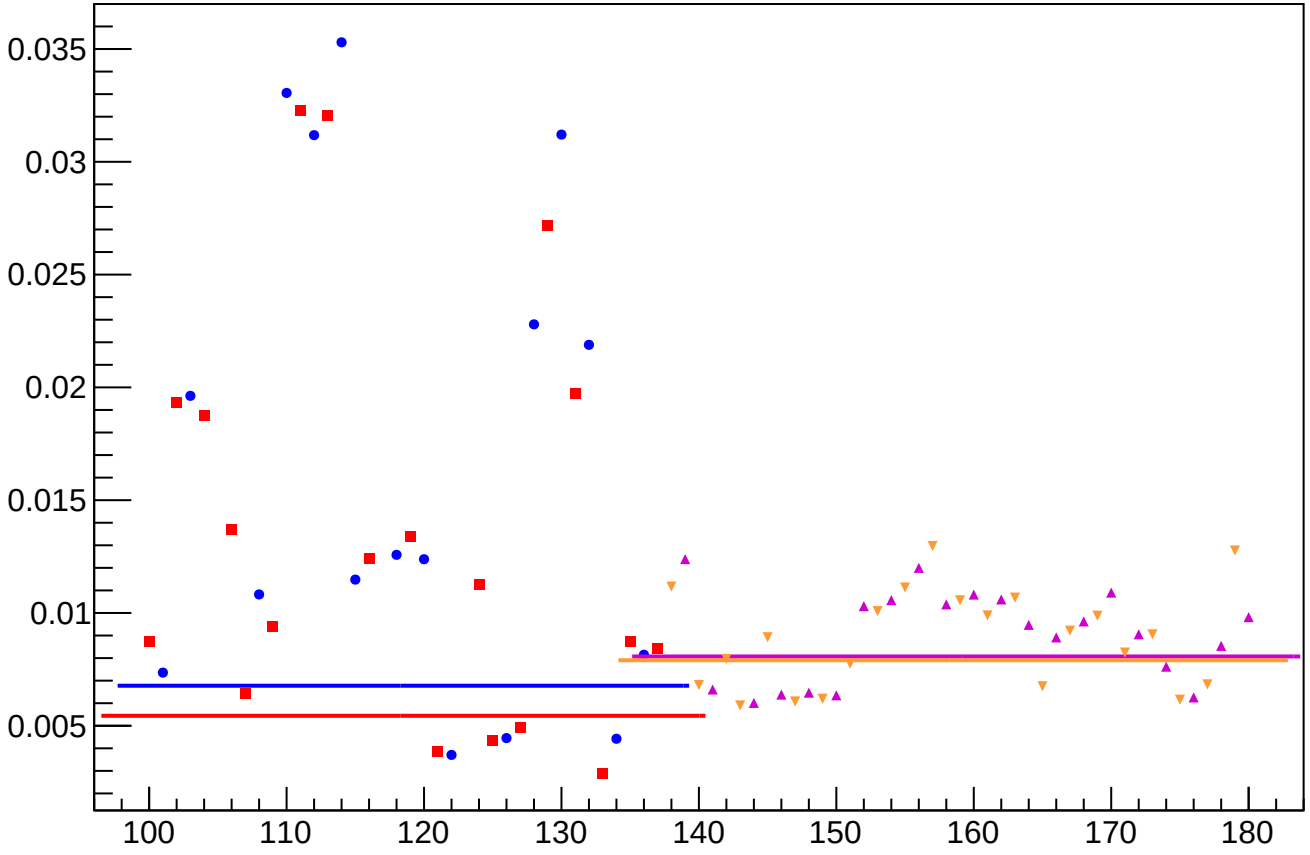
Left In: 0.000+/-0.000 χ^2/NDF:18.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/37

All: 0.000+/-0.000 χ^2/NDF: 97.0/77

- 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:1980071.5/21

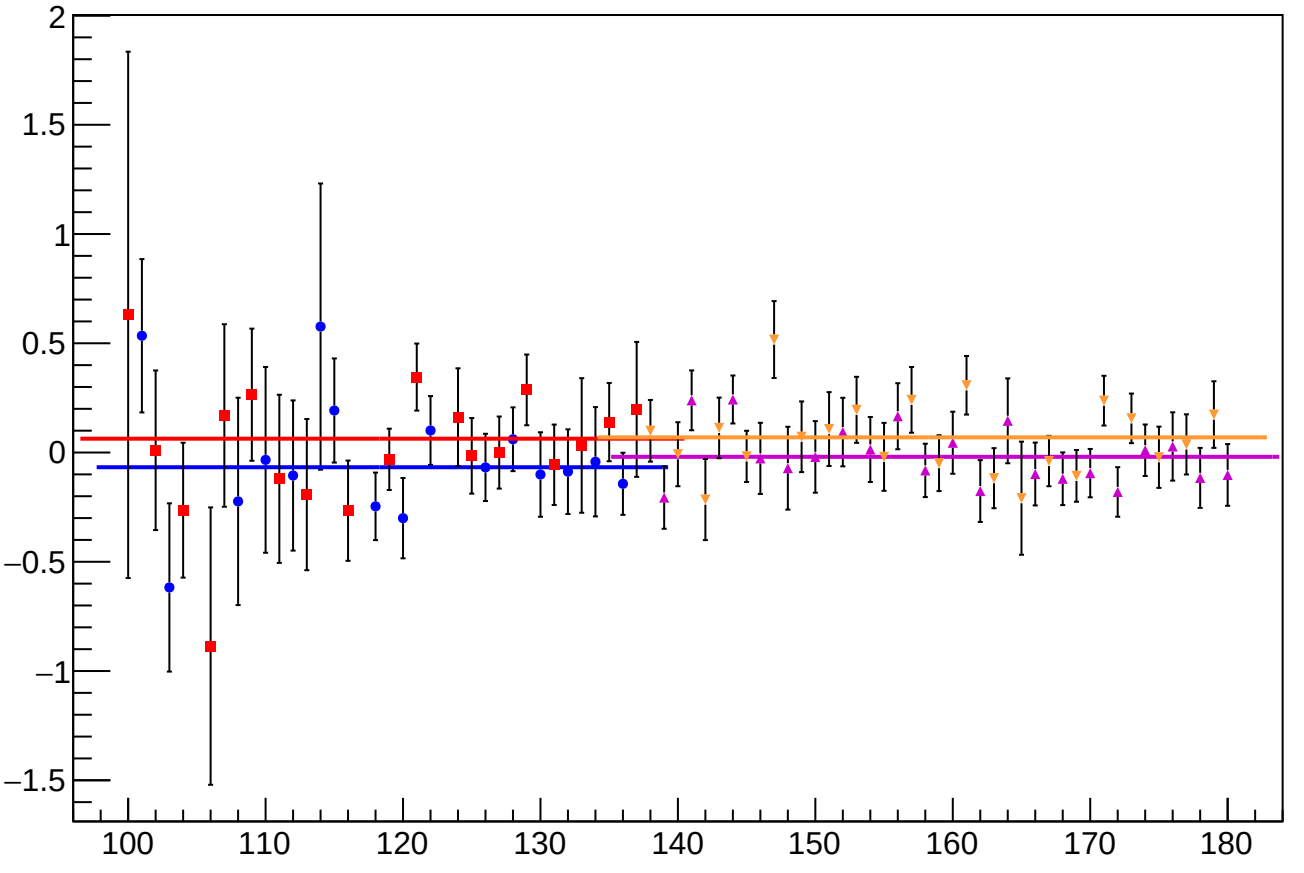
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1855053.8/20

+ sign 0.008+/-0.000 χ^2/NDF: 6938613.1/37

All: 0.007+/-0.000 χ^2/NDF: 15741154.2/77

- 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: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

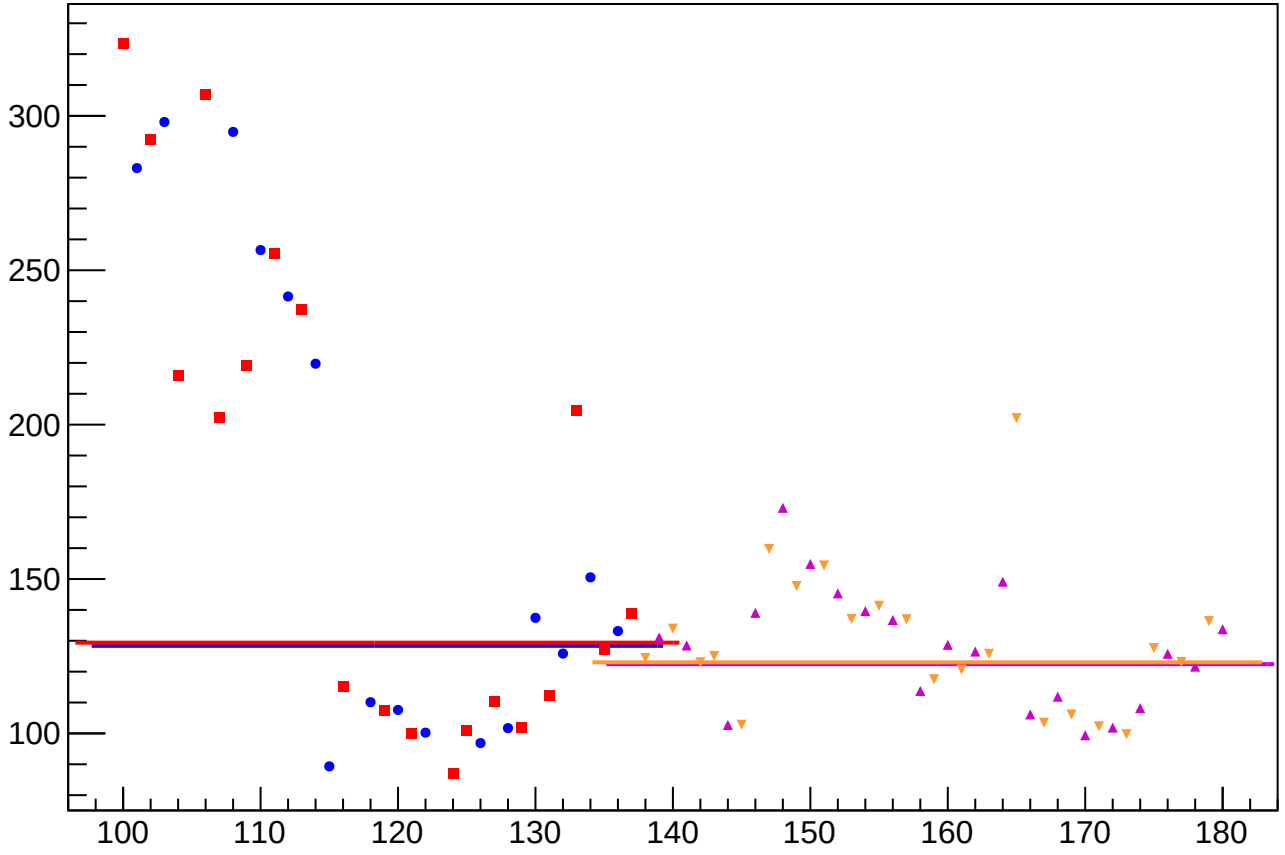
Left In: -0.020+/-0.030 χ^2/NDF:20.0/20

+ sign 0.035+/-0.026 χ^2/NDF: 43.7/37

All: 0.018+/-0.018 χ^2/NDF: 80.5/77

- 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: 123.035+/-0.021 χ^2/NDF:794368.0/21

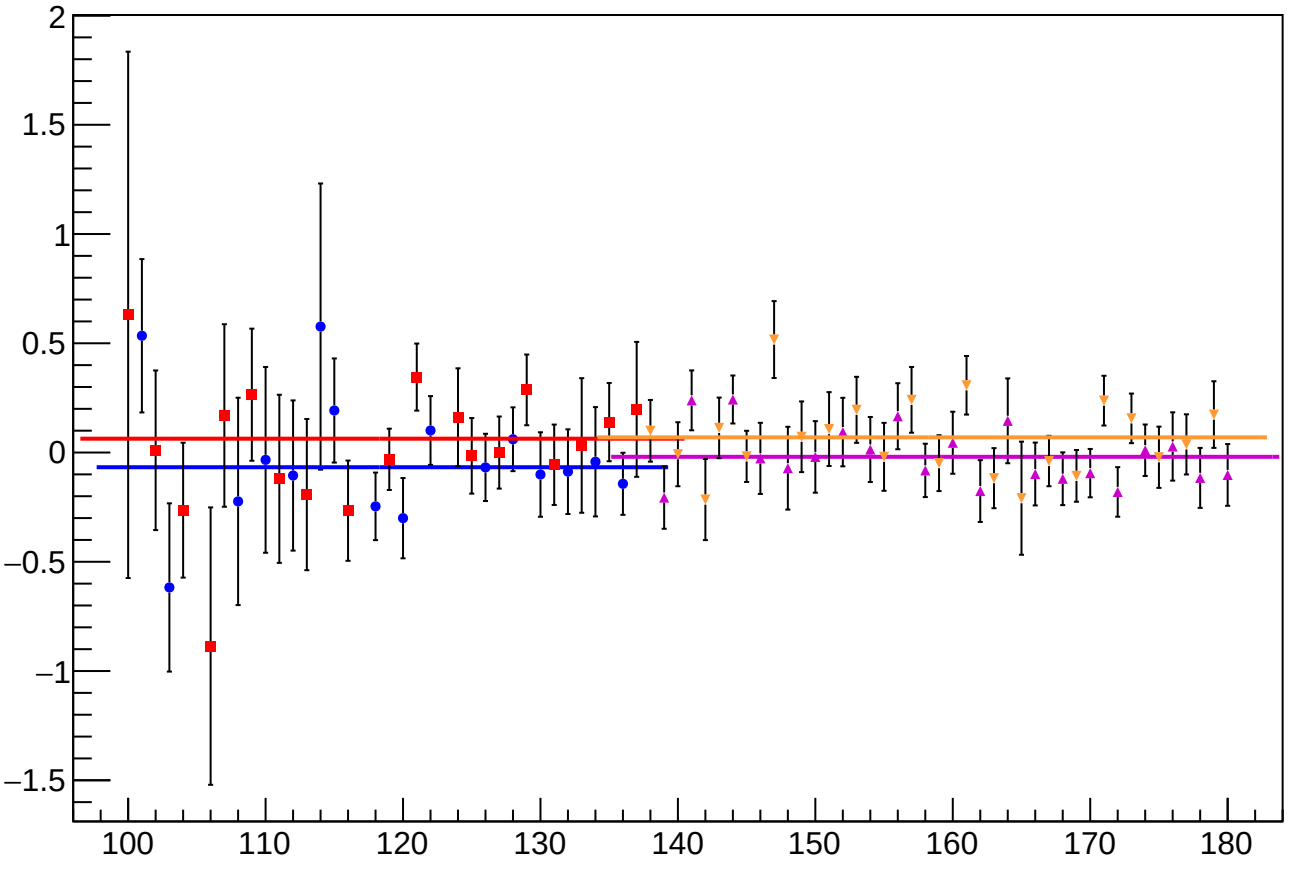
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 122.423+/-0.021 χ^2/NDF:694750.9/20

+ sign 124.371+/-0.018 χ^2/NDF: 2615361.9/37

All: 124.282+/-0.013 χ^2/NDF: 5225667.4/77

- 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: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

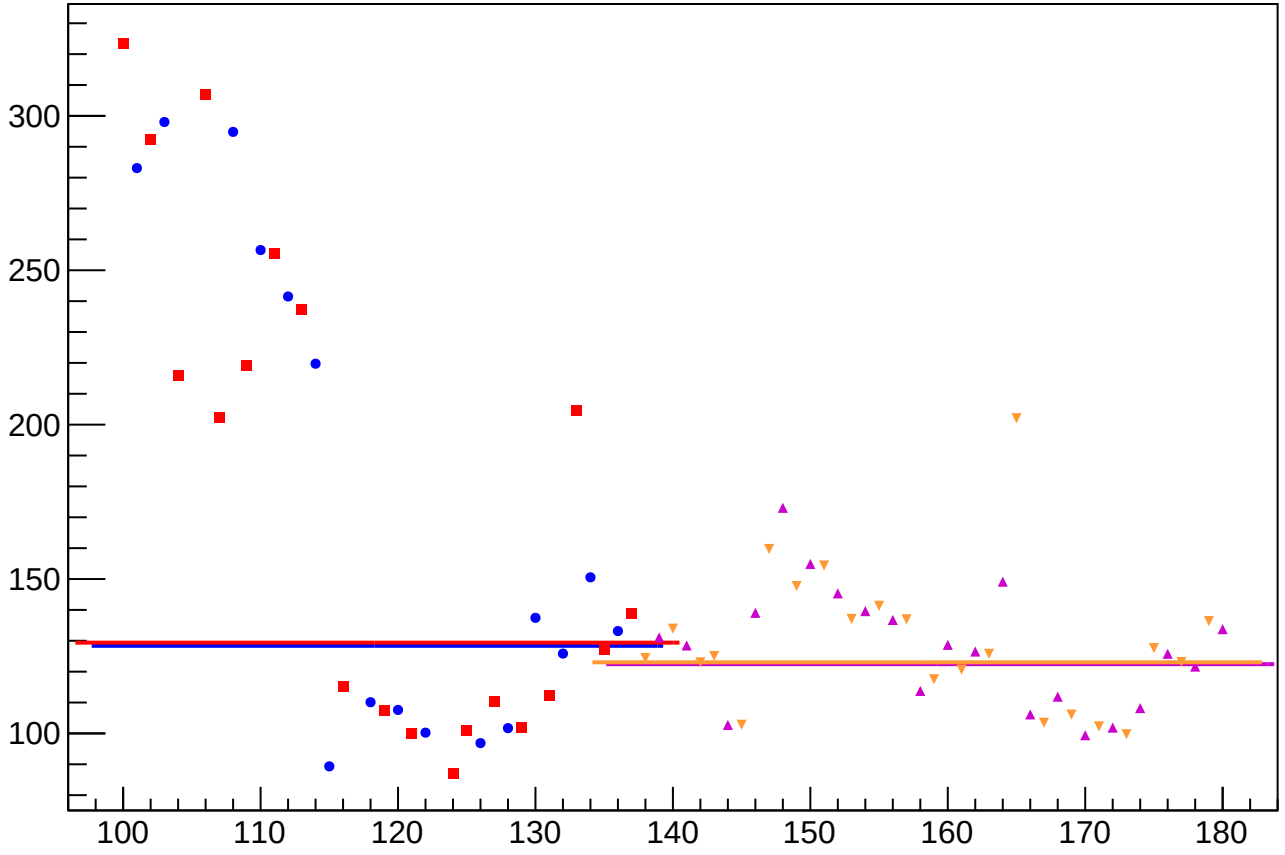
Left In: -0.020+/-0.030 χ^2/NDF:20.0/20

+ sign 0.035+/-0.026 χ^2/NDF: 43.7/37

All: 0.018+/-0.018 χ^2/NDF: 80.5/77

- 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: 123.035+/-0.021 χ^2/NDF:794368.0/21

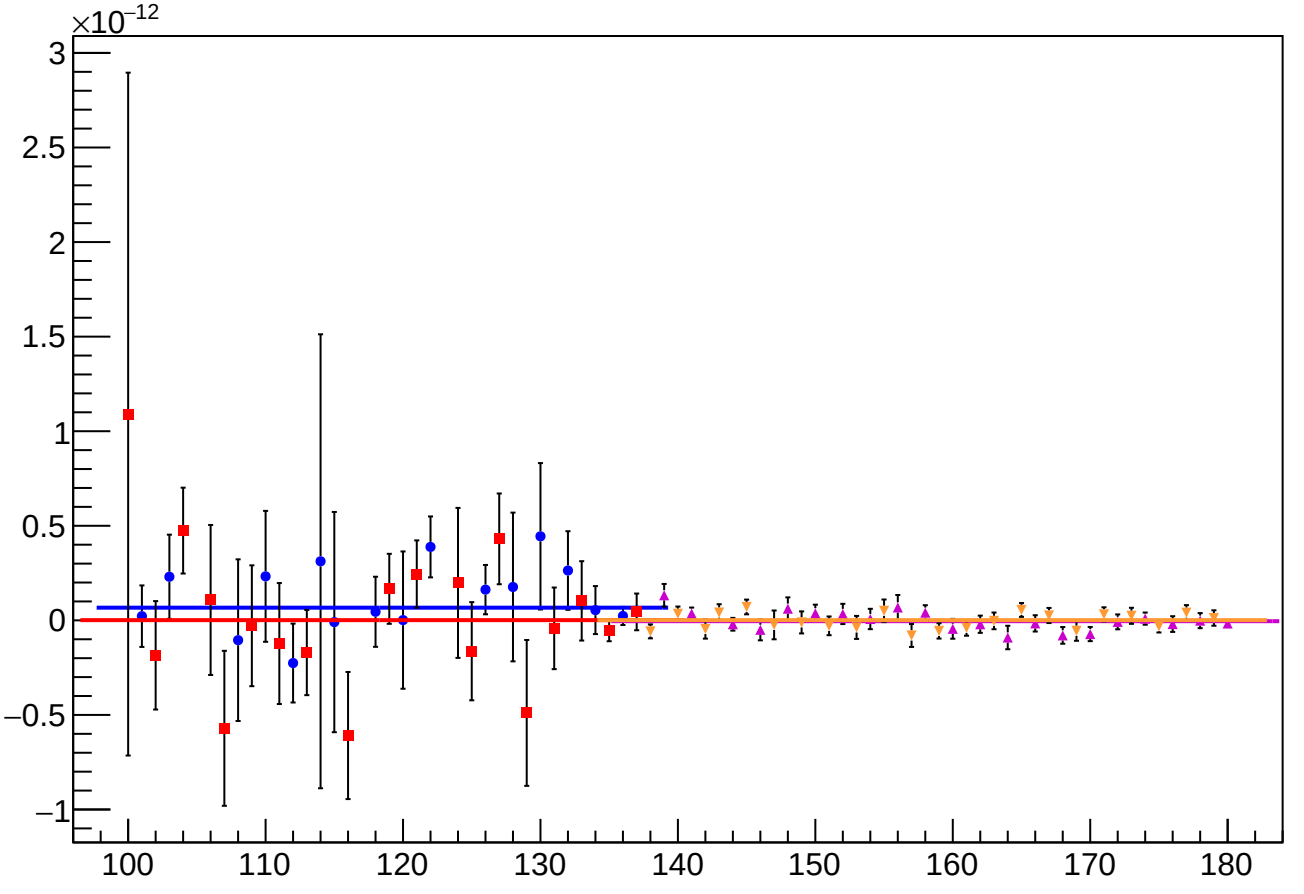
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 122.423+/-0.021 χ^2/NDF:694750.9/20

+ sign 124.371+/-0.018 χ^2/NDF: 2615361.9/37

All: 124.282+/-0.013 χ^2/NDF: 5225667.4/77

- sign 124.193+/-0.018 χ^2/NDF: 2610258.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/21

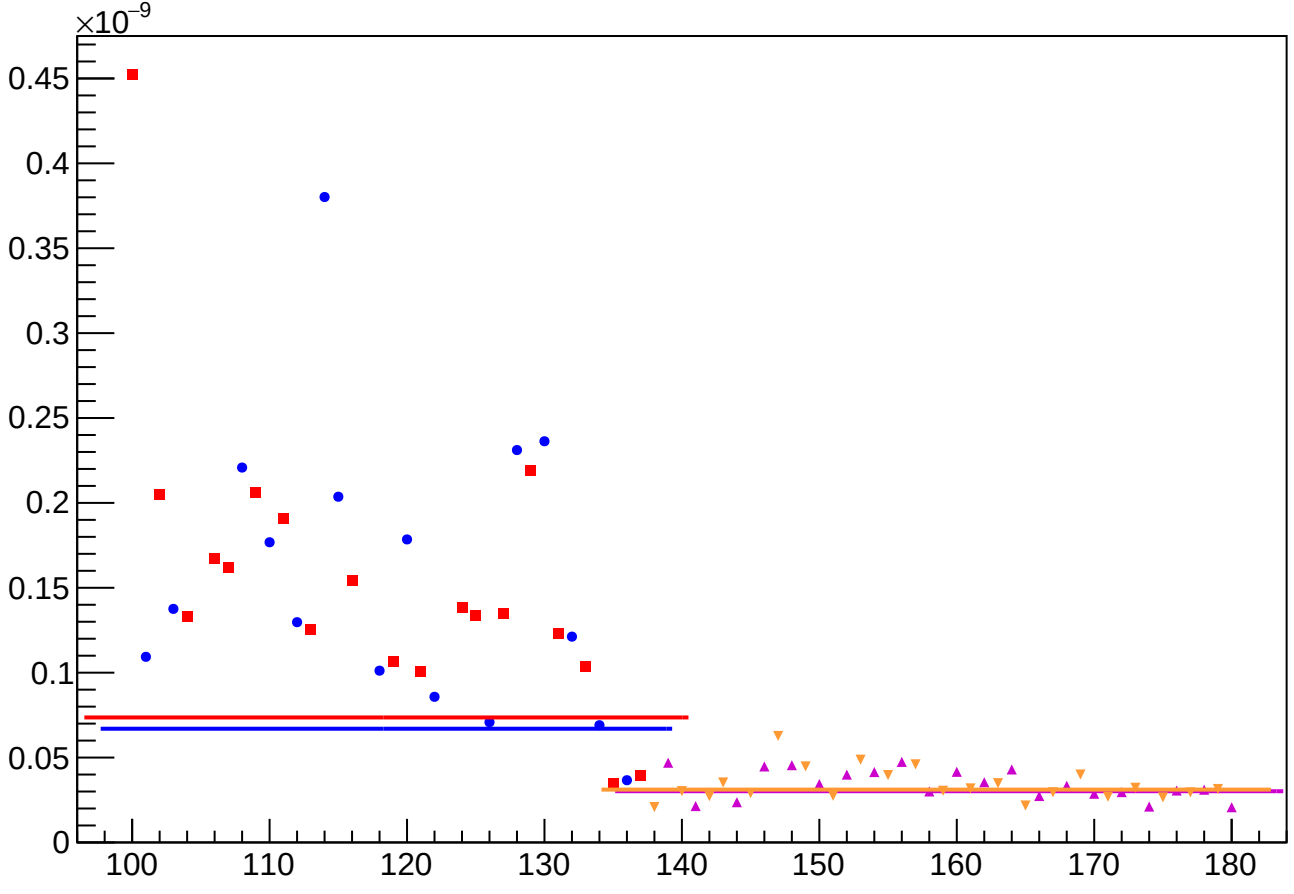
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:22.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/37

All: 0.000+/-0.000 χ^2/NDF: 78.3/77

- sign -0.000+/-0.000 χ^2/NDF: 43.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262189.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

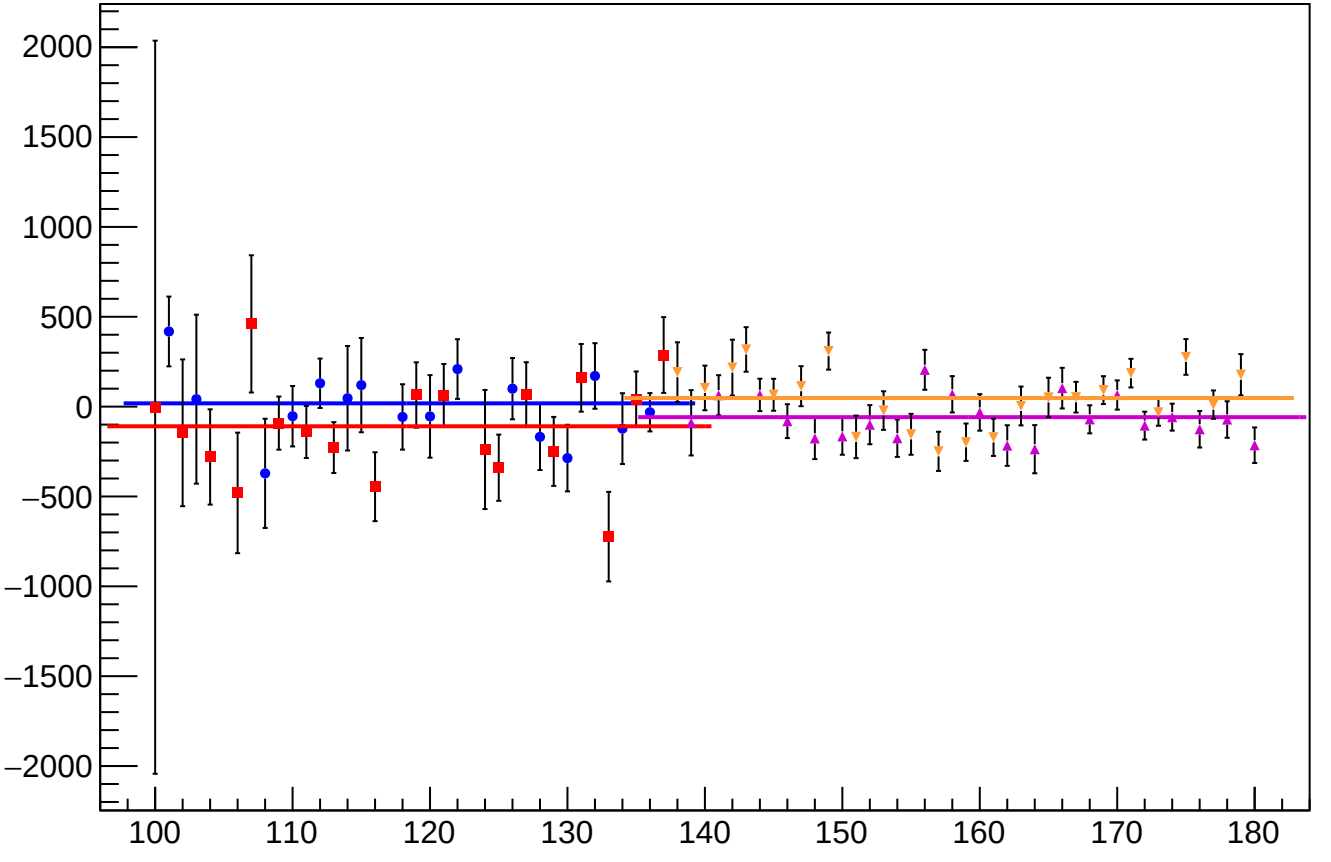
Left In: 0.000+/-0.000 χ^2/NDF:1603818.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 6292600.0/37

All: 0.000+/-0.000 χ^2/NDF: 13871051.5/77

- sign 0.000+/-0.000 χ^2/NDF: 7567149.9/39

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.763+/-21.518 χ^2/NDF:49.5/21

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

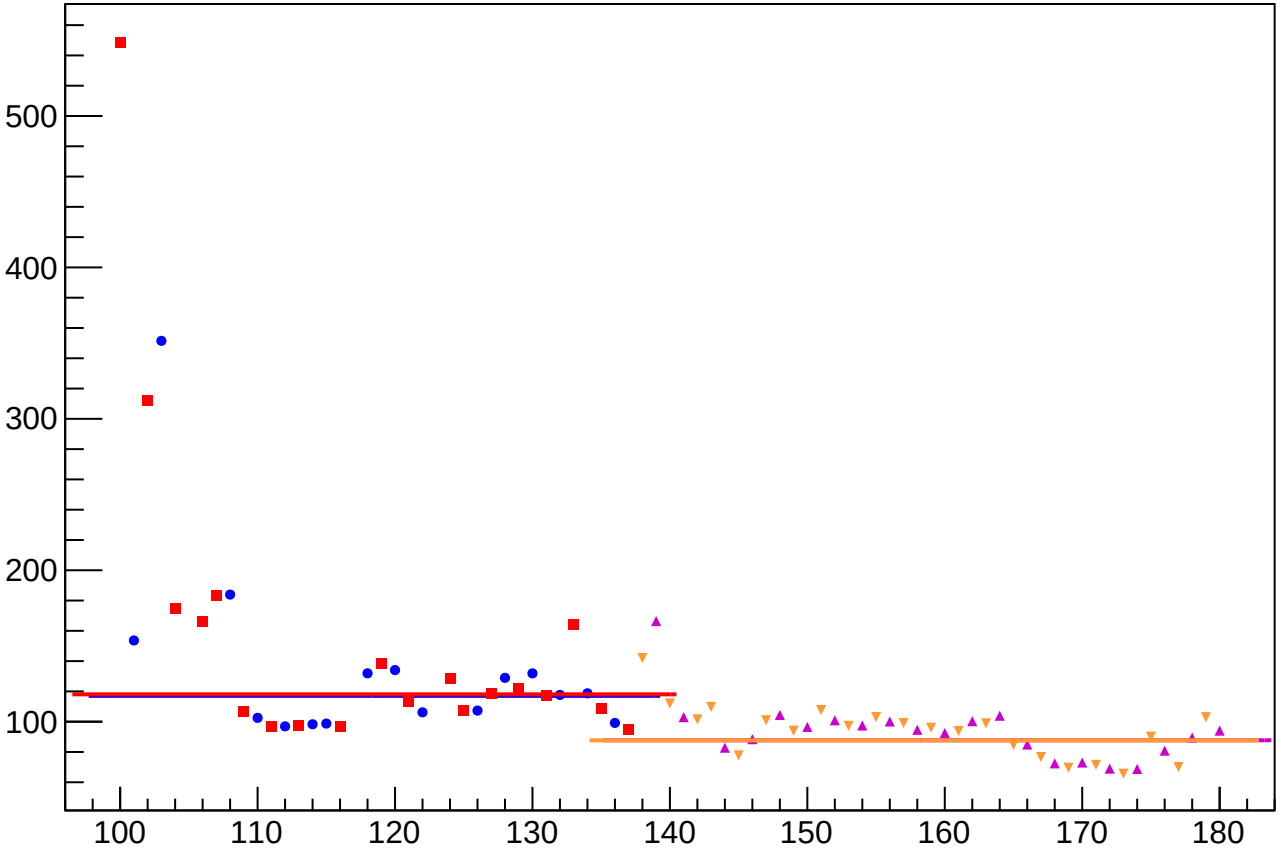
Left In: -58.631+/-21.638 χ^2/NDF:25.4/20

+ sign 42.400+/-19.468 χ^2/NDF: 63.7/37

All: -12.469+/-13.801 χ^2/NDF: 131.5/77

- 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: 87.682+/-0.015 χ^2/NDF:1140036.0/21

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

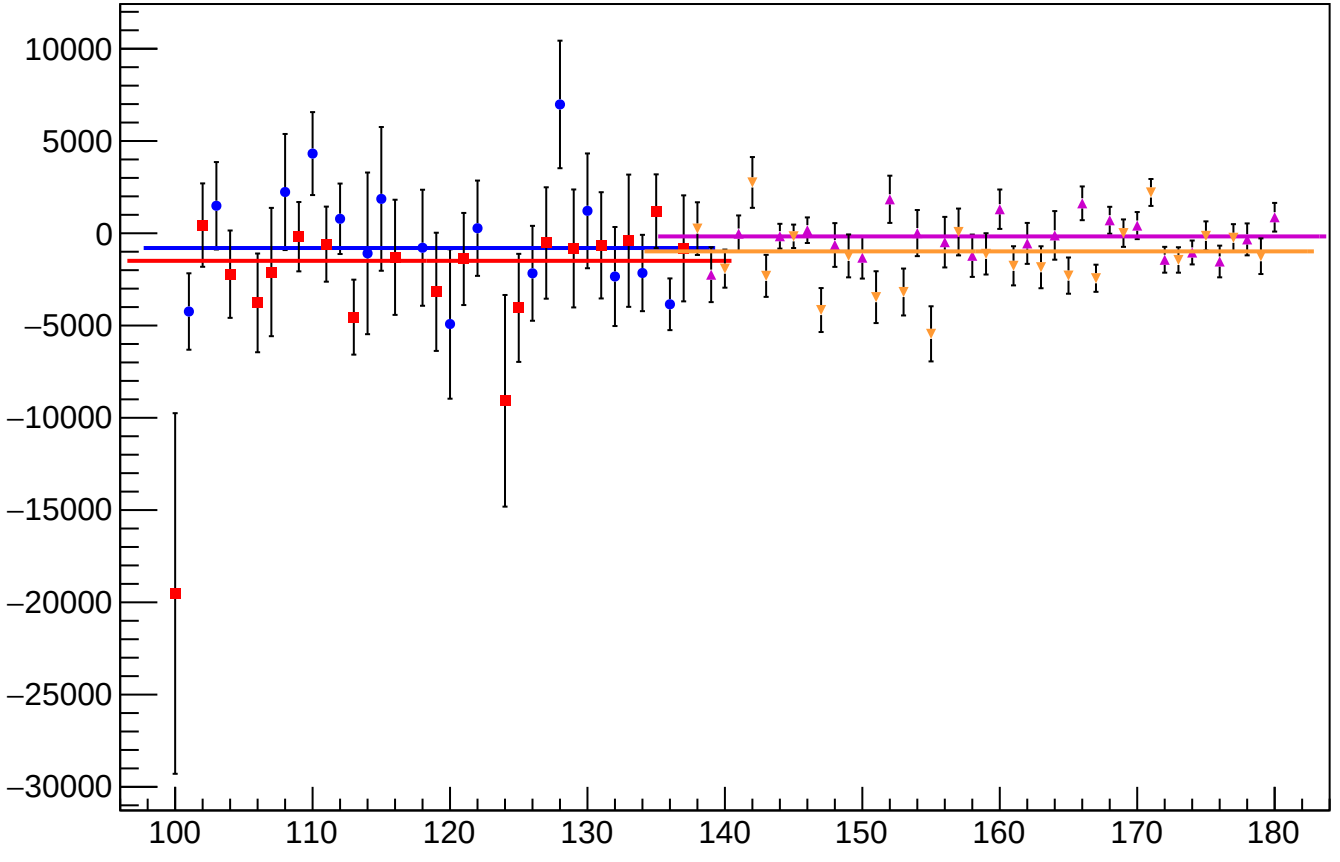
Left In: 87.728+/-0.015 χ^2/NDF:1019973.2/20

+ sign 93.013+/-0.014 χ^2/NDF: 2674988.2/37

All: 93.134+/-0.010 χ^2/NDF: 5402244.4/77

- 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: -981.074+/-202.046 χ^2/NDF:65.3/21

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

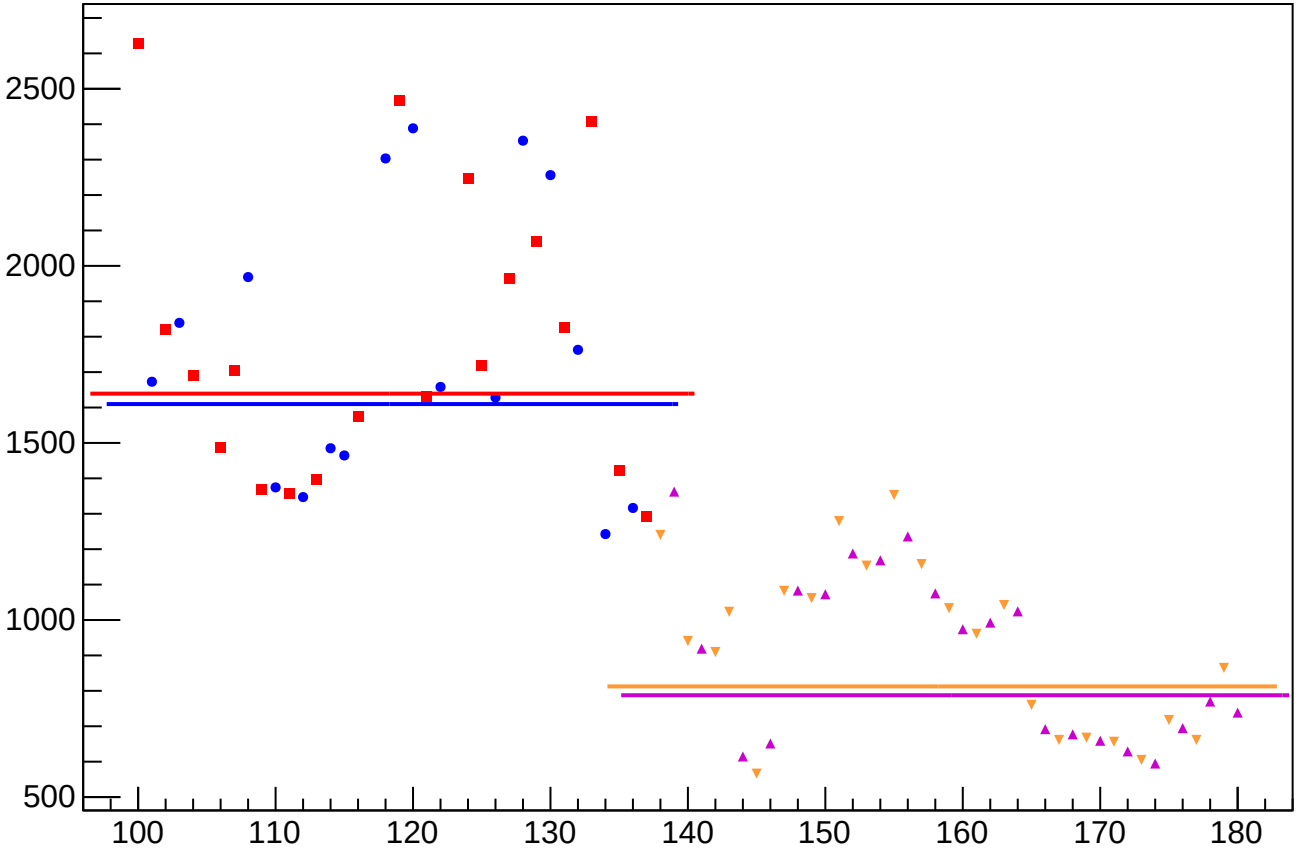
Left In: -170.441+/-196.898 χ^2/NDF:24.1/20

+ sign -963.402+/-191.983 χ^2/NDF: 88.8/37

All: -620.827+/-134.128 χ^2/NDF: 136.3/77

- 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: 812.508+/-0.143 χ^2/NDF:2314838.3/21

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

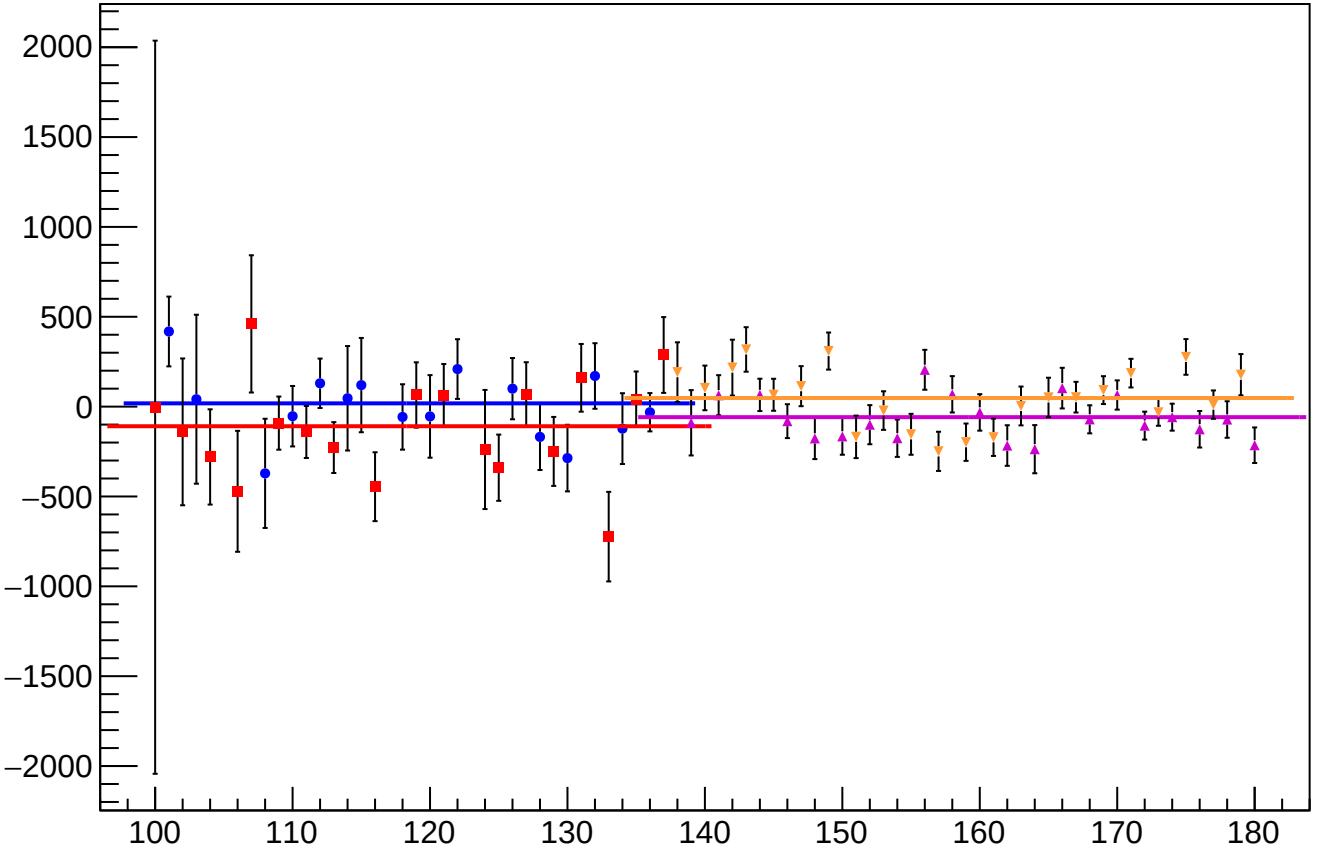
Left In: 787.575+/-0.139 χ^2/NDF:2152664.7/20

+ sign 889.947+/-0.136 χ^2/NDF: 5958763.1/37

All: 878.304+/-0.095 χ^2/NDF: 12144462.2/77

- 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: 47.768+/-21.518 χ^2/NDF:49.5/21

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

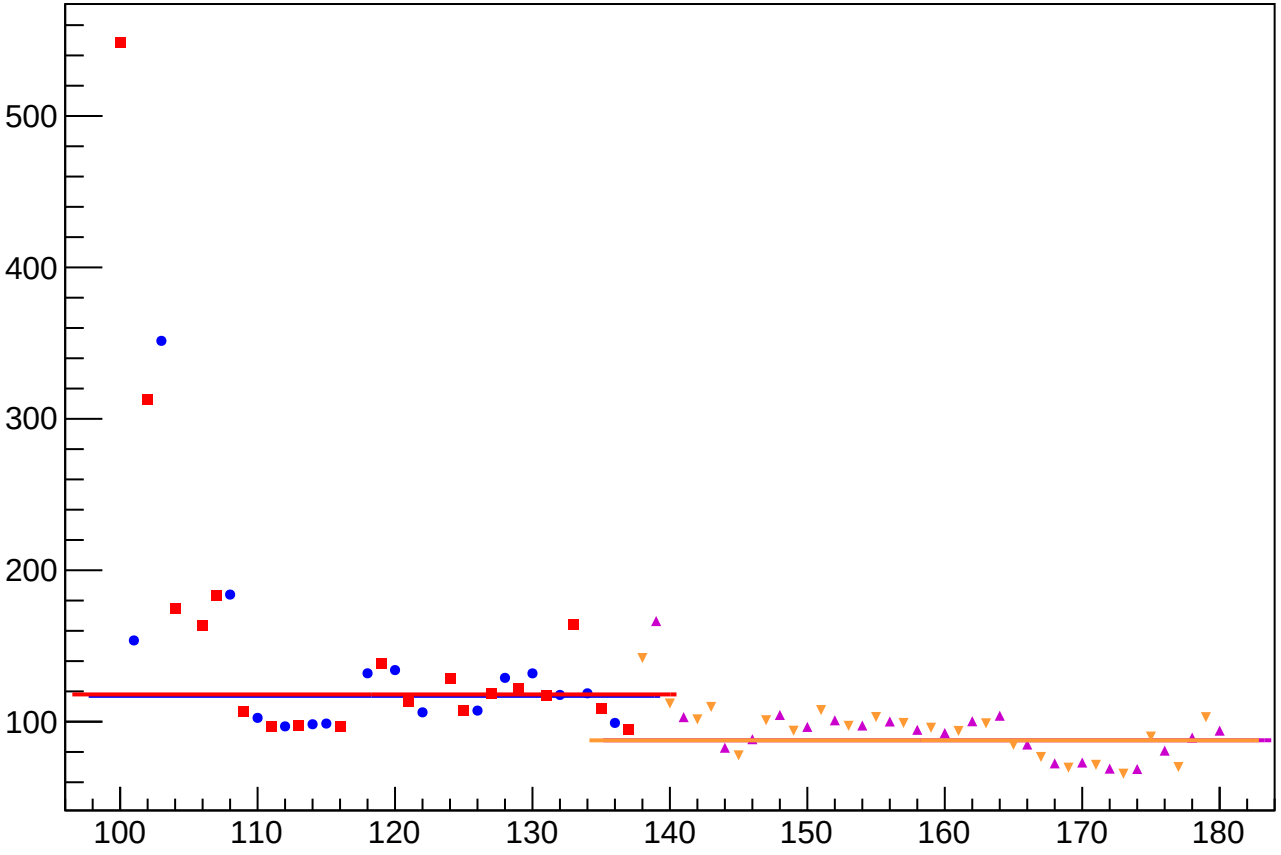
Left In: -58.633+/-21.638 χ^2/NDF:25.4/20

+ sign 42.402+/-19.468 χ^2/NDF: 63.7/37

All: -12.442+/-13.801 χ^2/NDF: 131.4/77

- 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: 87.682+/-0.015 χ^2/NDF:1140035.9/21

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

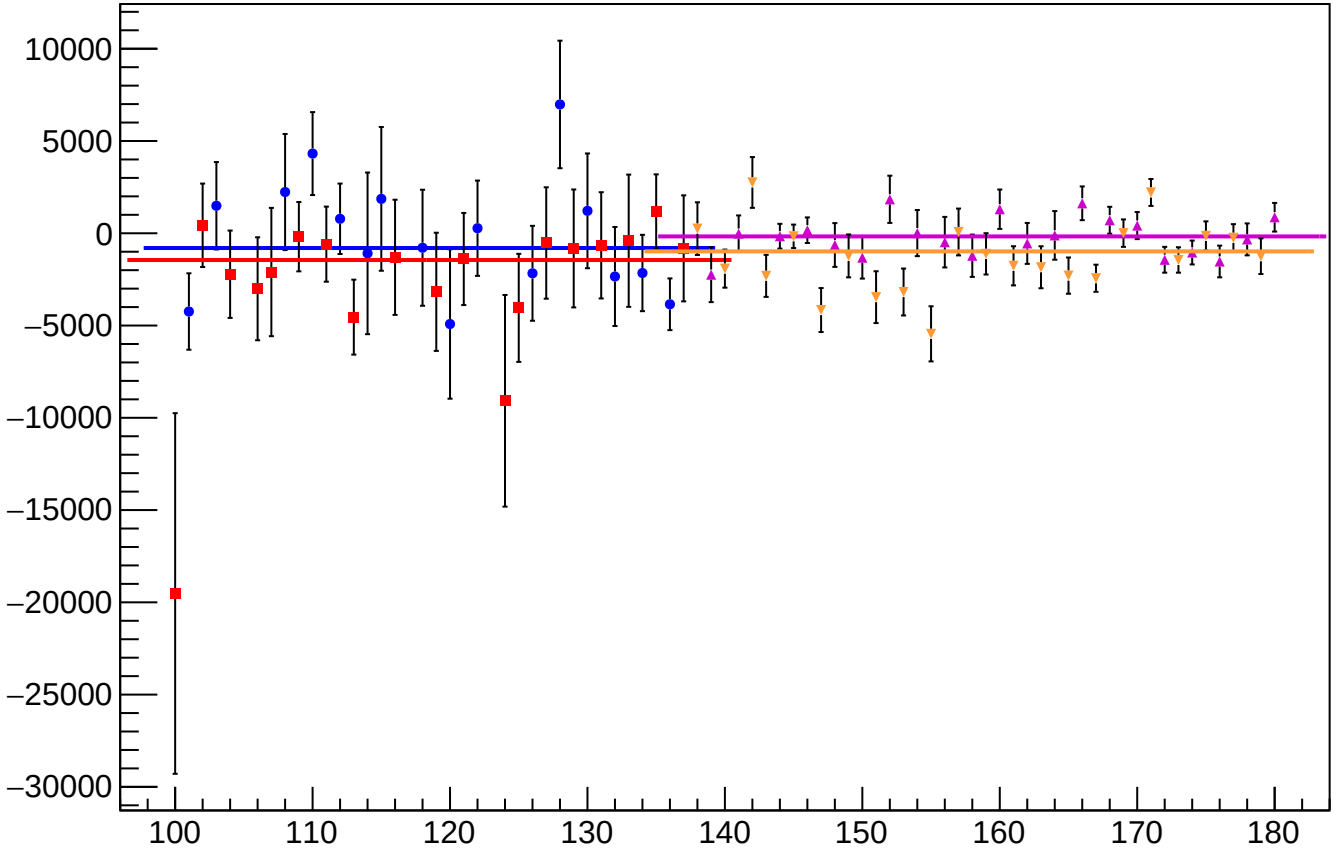
Left In: 87.728+/-0.015 χ^2/NDF:1019973.2/20

+ sign 93.013+/-0.014 χ^2/NDF: 2674989.7/37

All: 93.129+/-0.010 χ^2/NDF: 5395518.2/77

- 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: -981.065+/-202.046 χ^2/NDF:65.3/21

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

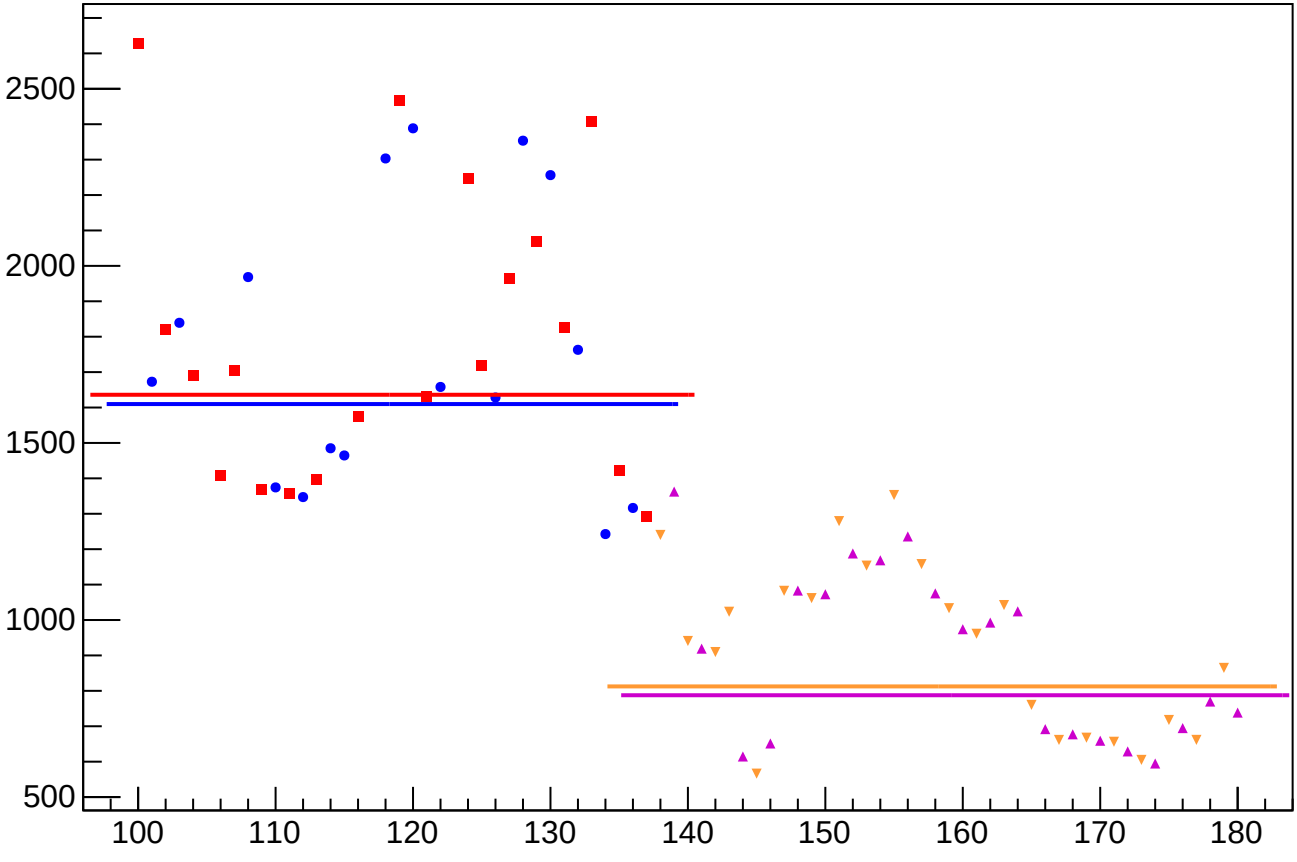
Left In: -170.442+/-196.898 χ^2/NDF:24.1/20

+ sign -963.392+/-191.983 χ^2/NDF: 88.8/37

All: -618.474+/-134.142 χ^2/NDF: 135.6/77

- 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: 812.507+/-0.143 χ^2/NDF:2314840.9/21

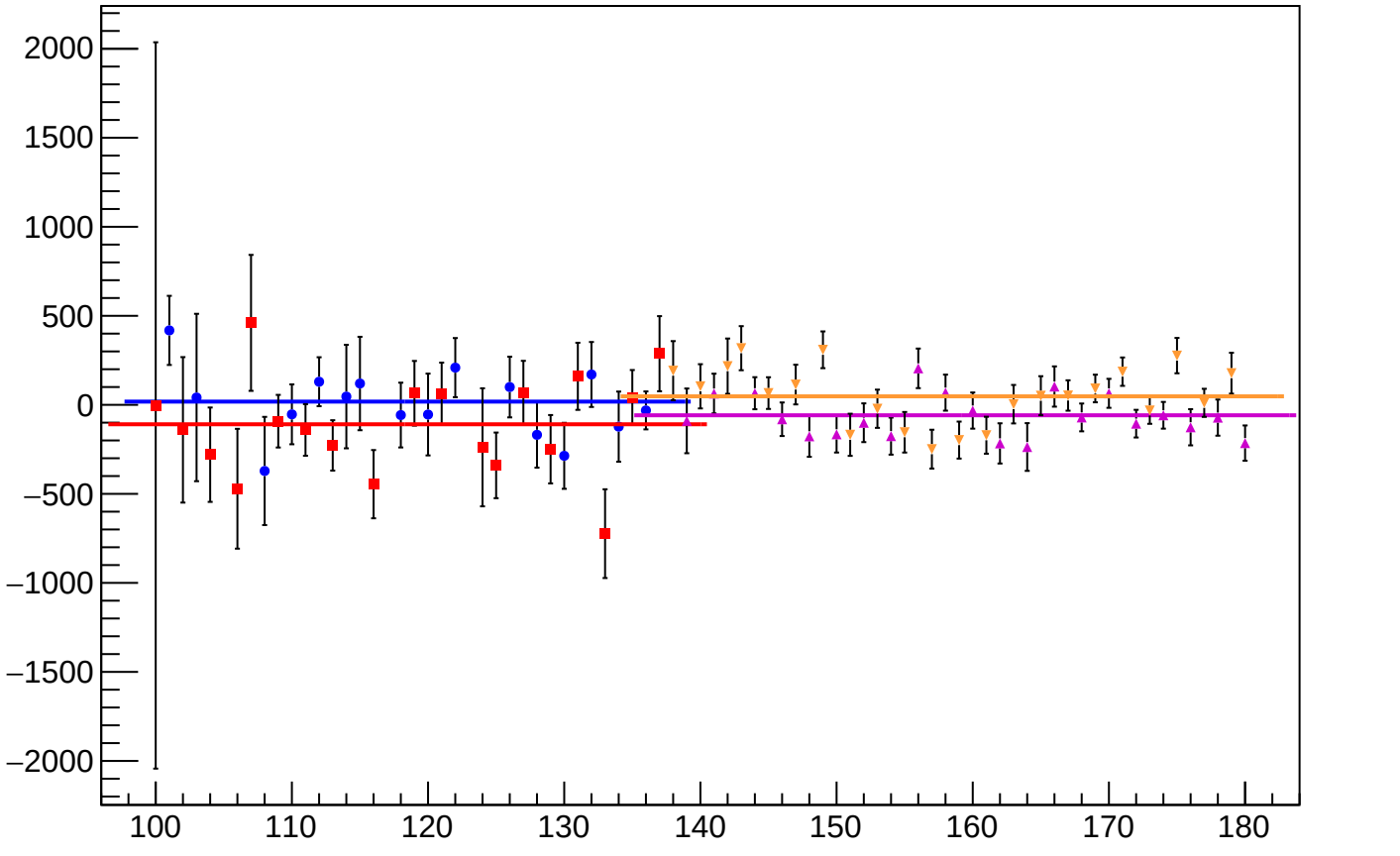
Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 787.575+/-0.139 χ^2/NDF:2152663.2/20

+ sign 889.946+/-0.136 χ^2/NDF: 5958829.7/37

All: 877.992+/-0.095 χ^2/NDF: 12112953.7/77

- sign 866.589+/-0.133 χ^2/NDF: 6138973.4/39



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.768+/-21.518 χ^2/NDF:49.5/21

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

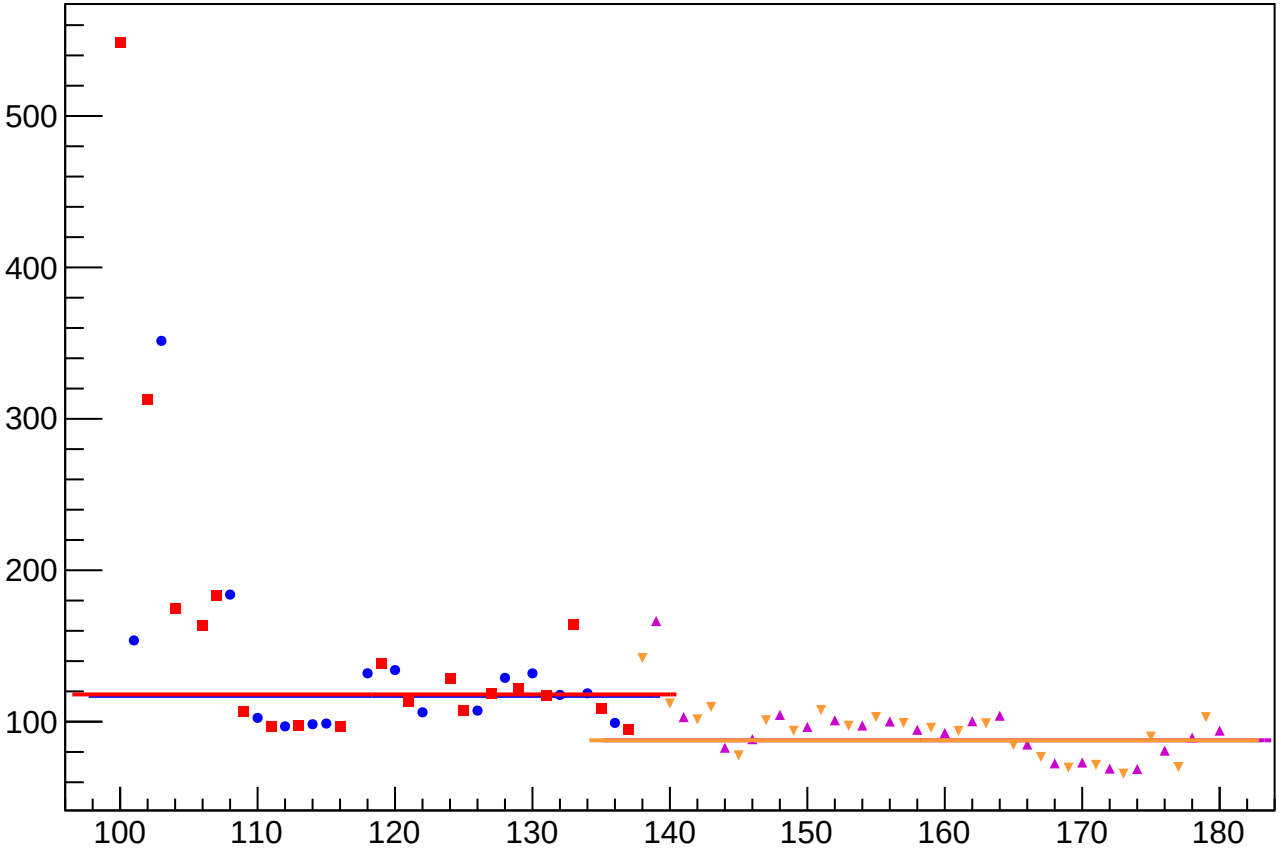
Left In: -58.633+/-21.638 χ^2/NDF:25.4/20

+ sign 42.402+/-19.468 χ^2/NDF: 63.7/37

All: -12.442+/-13.801 χ^2/NDF: 131.4/77

- 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: 87.682+/-0.015 χ^2/NDF:1140035.9/21

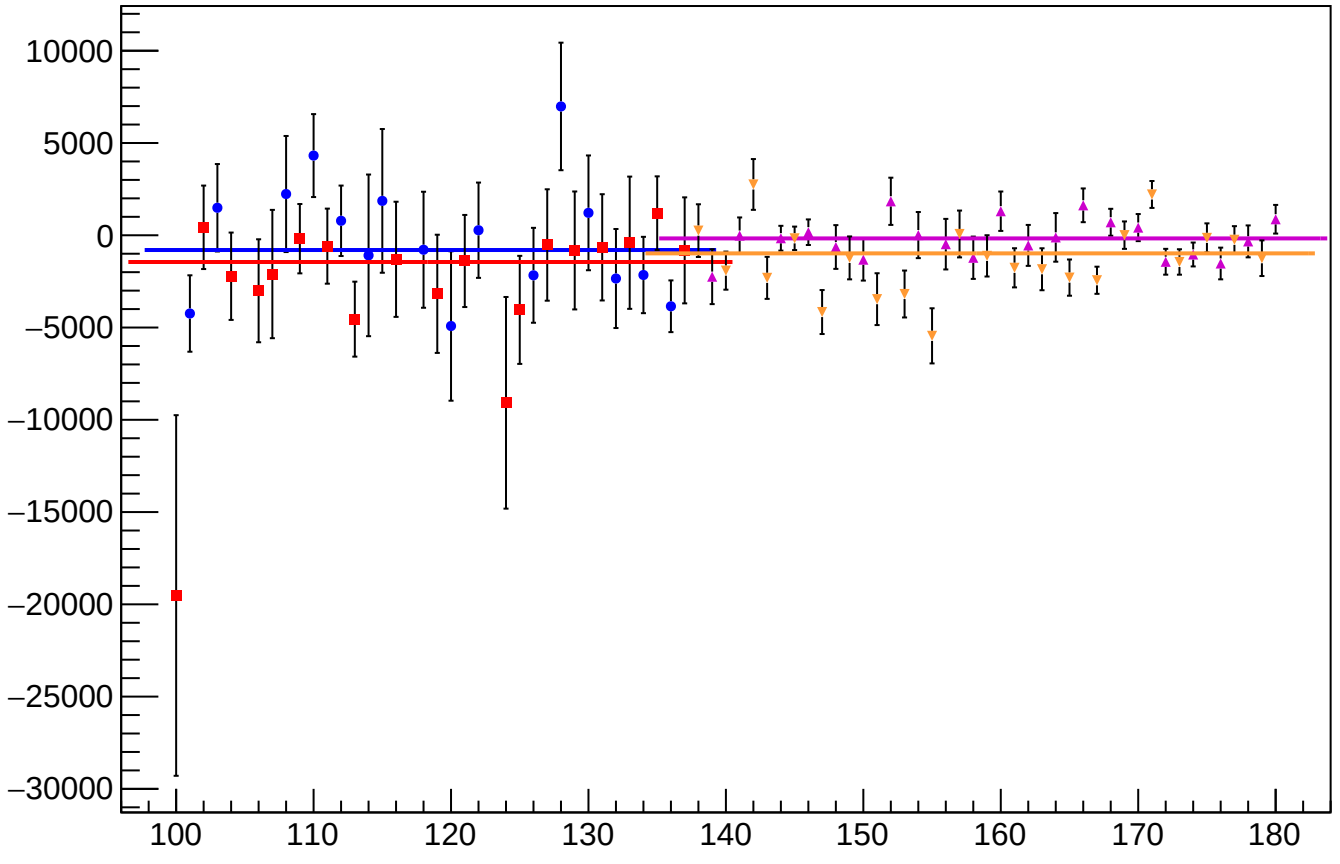
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.728+/-0.015 χ^2/NDF:1019973.2/20

+ sign 93.013+/-0.014 χ^2/NDF: 2674989.7/37

All: 93.129+/-0.010 χ^2/NDF: 5395518.2/77

- 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: -981.065+/-202.046 χ^2/NDF:65.3/21

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

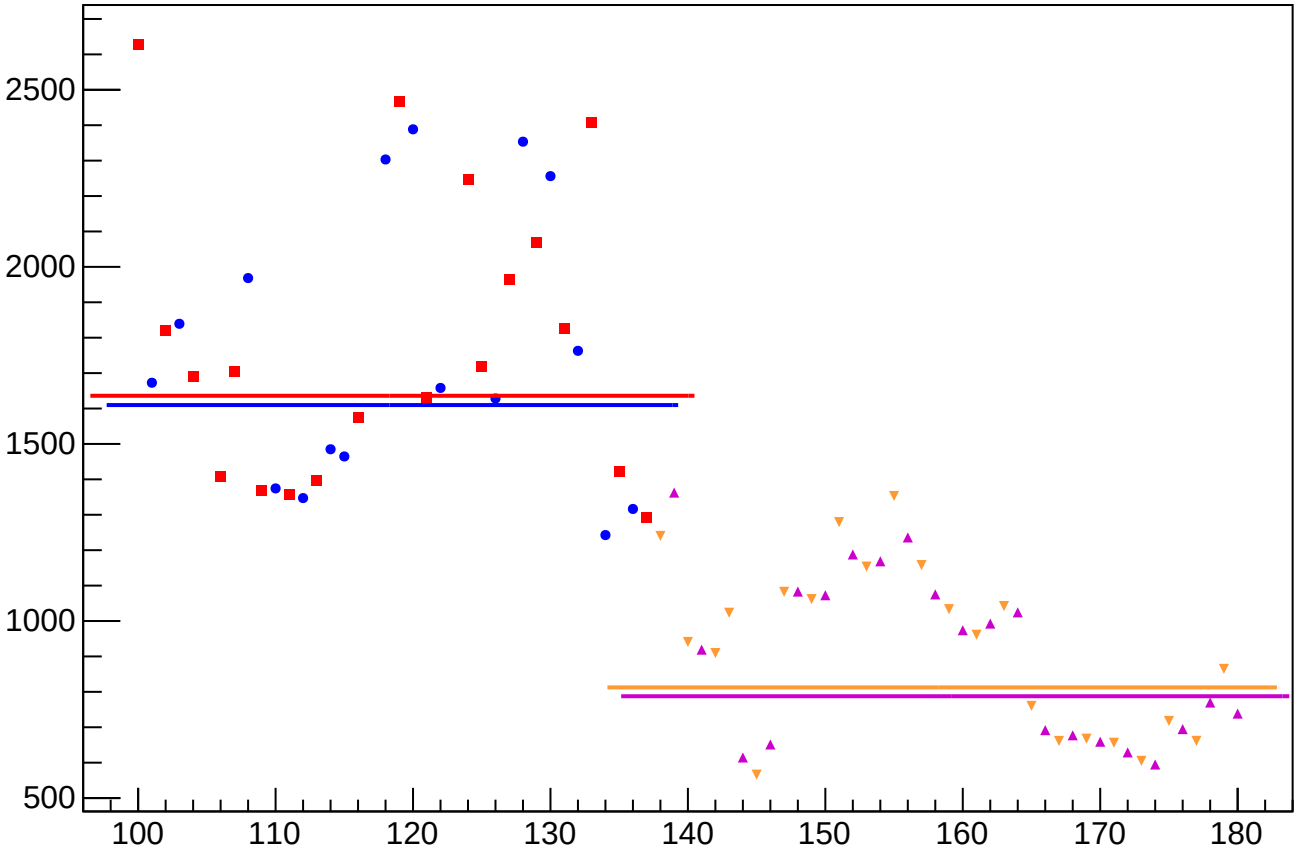
Left In: -170.442+/-196.898 χ^2/NDF:24.1/20

+ sign -963.392+/-191.983 χ^2/NDF: 88.8/37

All: -618.474+/-134.142 χ^2/NDF: 135.6/77

- 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: 812.507+/-0.143 χ^2/NDF:2314840.9/21

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

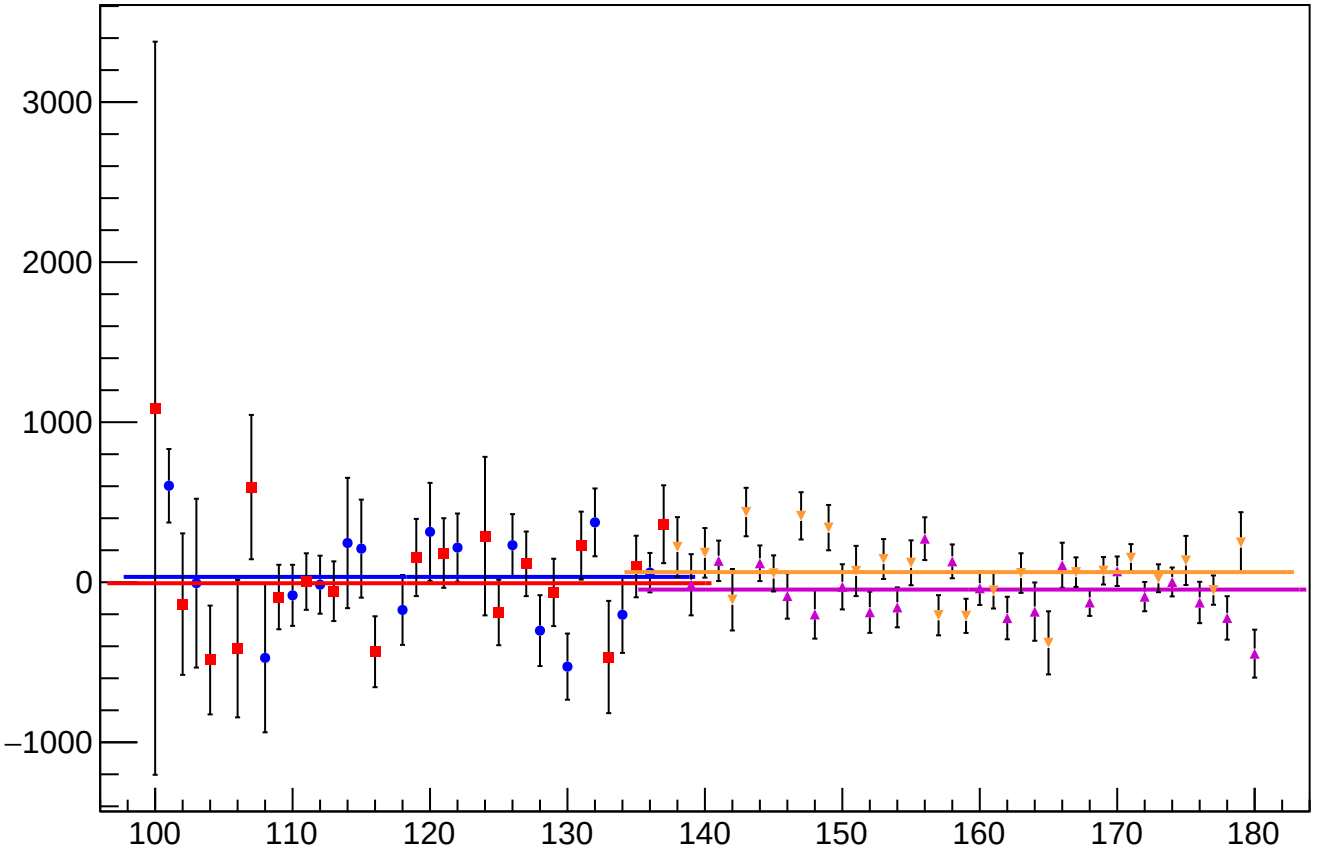
Left In: 787.575+/-0.139 χ^2/NDF:2152663.2/20

+ sign 889.946+/-0.136 χ^2/NDF: 5958829.7/37

All: 877.992+/-0.095 χ^2/NDF: 12112953.7/77

- 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: 63.396+/-25.793 χ^2/NDF:39.6/21

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

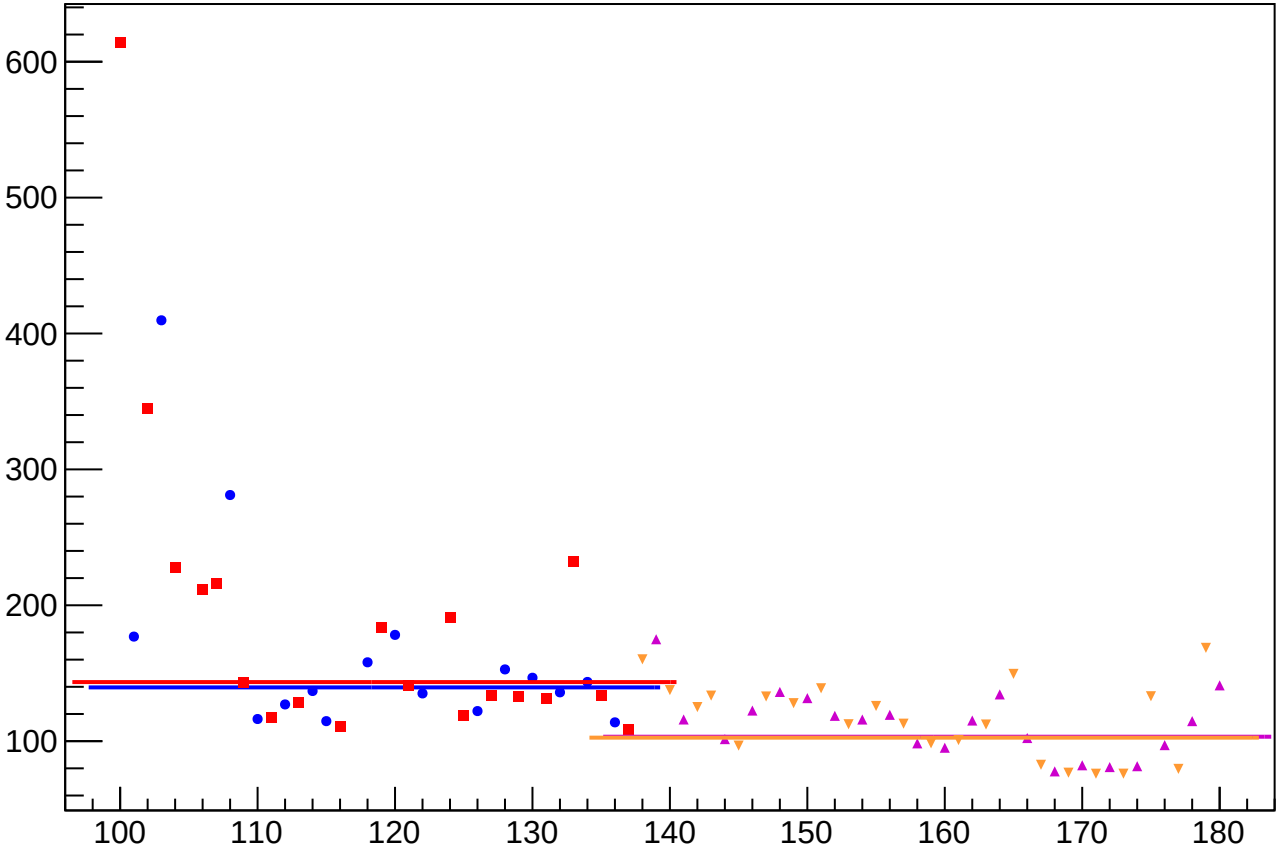
Left In: -45.759+/-26.059 χ^2/NDF:31.5/20

+ sign 57.986+/-23.346 χ^2/NDF: 65.0/37

All: 10.224+/-16.608 χ^2/NDF: 122.8/77

- 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: 102.587+/-0.018 χ^2/NDF:1973982.3/21

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

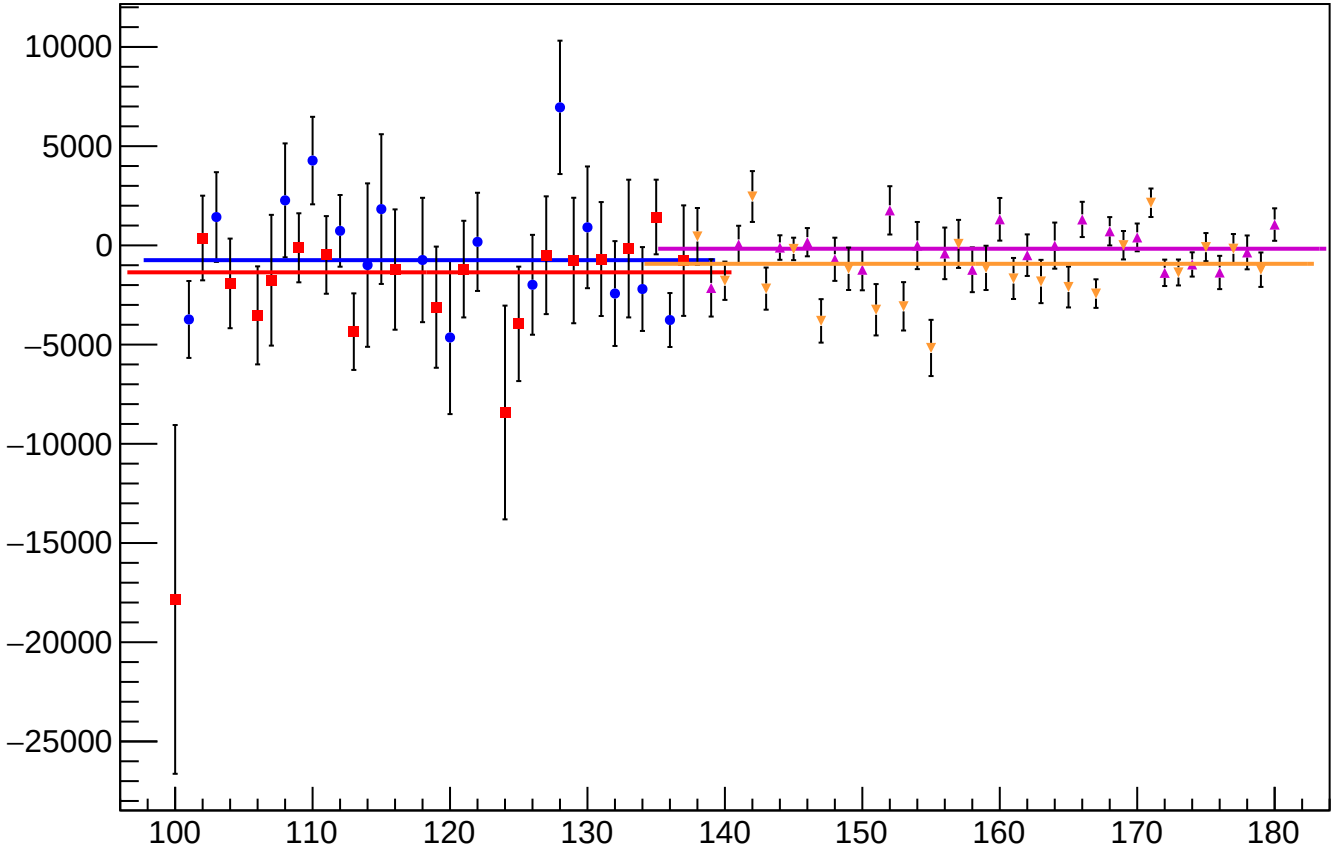
Left In: 103.273+/-0.018 χ^2/NDF:1351731.9/20

+ sign 109.272+/-0.017 χ^2/NDF: 3693879.6/37

All: 109.835+/-0.012 χ^2/NDF: 7009834.0/77

- 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: -928.592+/-191.936 χ^2/NDF:64.6/21

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

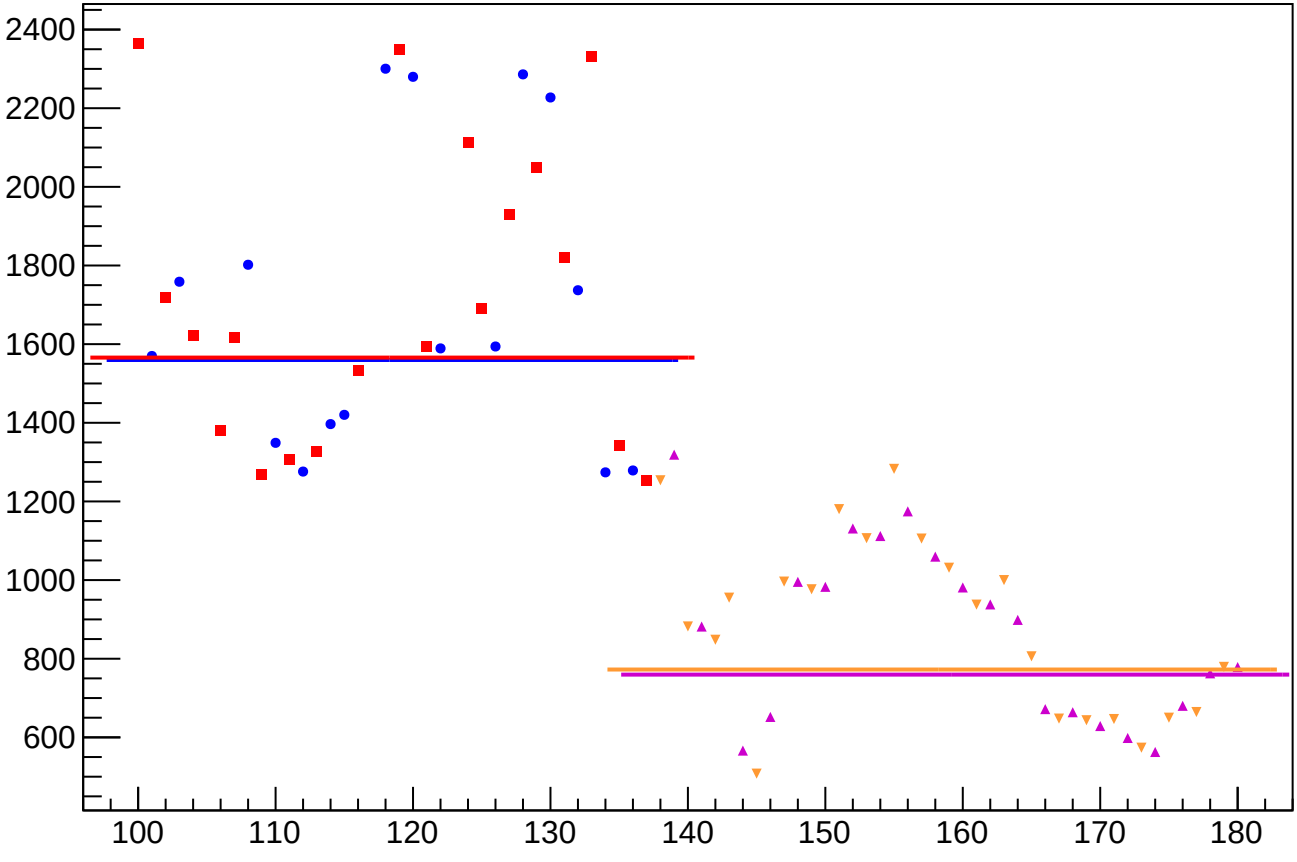
Left In: -169.074+/-189.900 χ^2/NDF:23.1/20

+ sign -911.301+/-182.690 χ^2/NDF: 88.2/37

All: -593.169+/-128.452 χ^2/NDF: 134.6/77

- 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: 772.541+/-0.136 χ^2/NDF:2391950.6/21

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

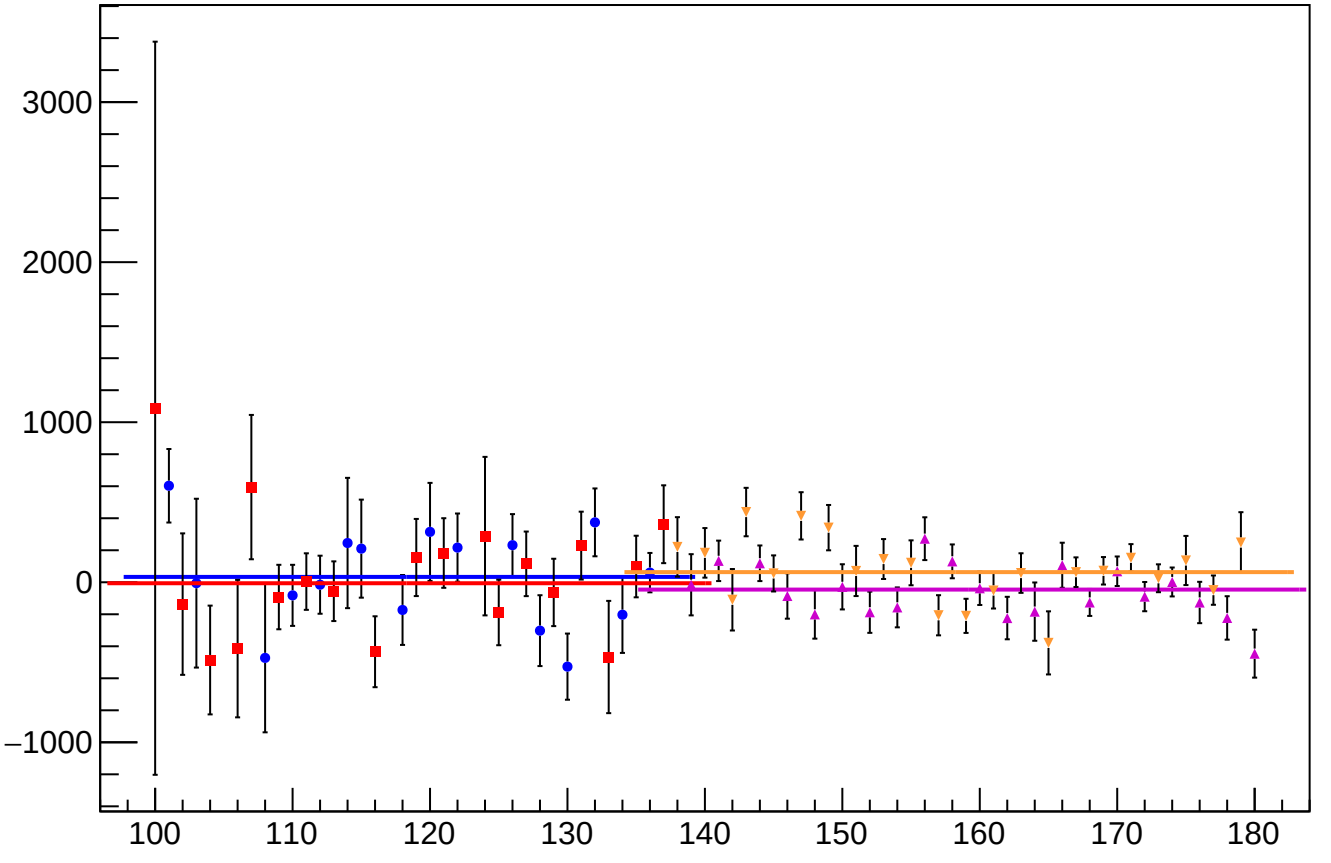
Left In: 759.599+/-0.134 χ^2/NDF:2109477.5/20

+ sign 846.552+/-0.129 χ^2/NDF: 6159147.0/37

All: 841.349+/-0.091 χ^2/NDF: 12263513.1/77

- 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: 63.397+/-25.793 χ^2/NDF:39.6/21

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

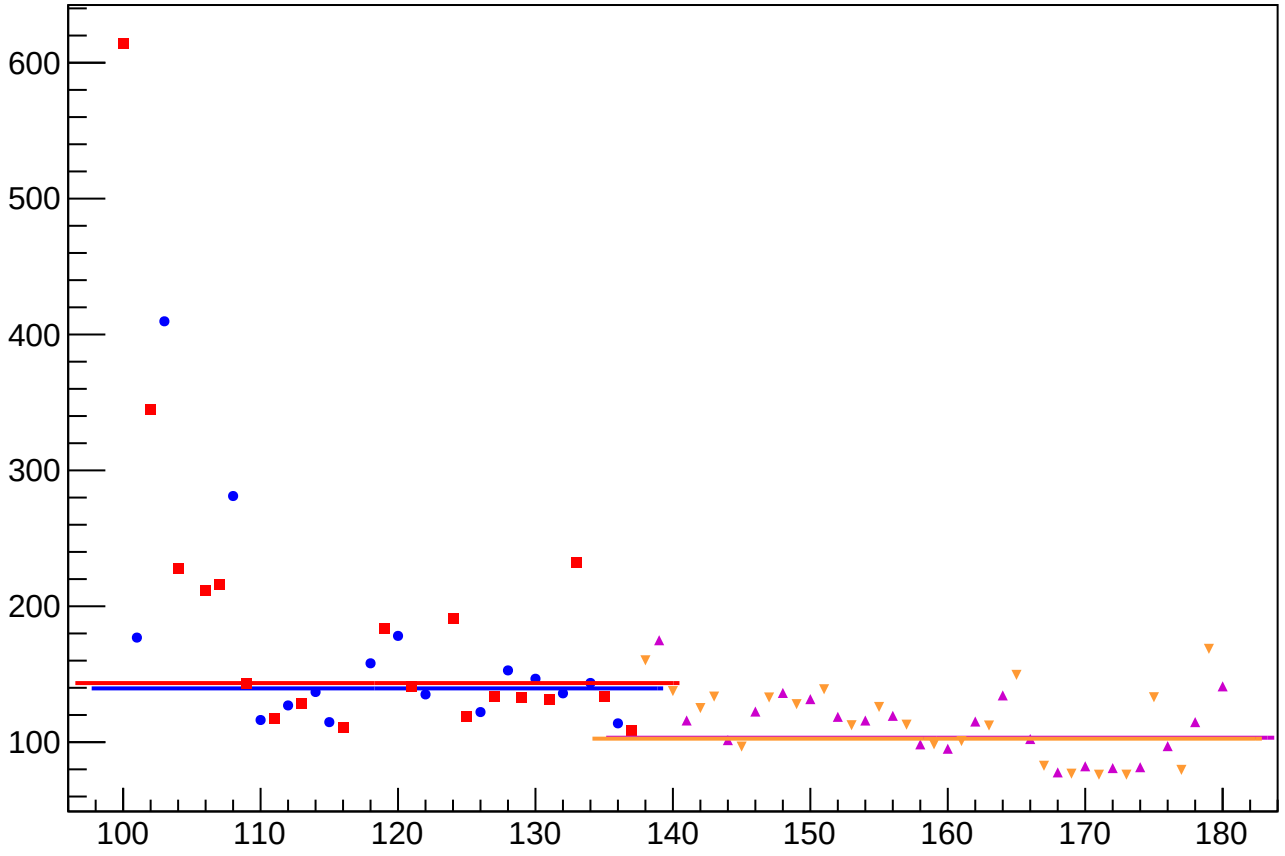
Left In: -45.758+/-26.059 χ^2/NDF:31.5/20

+ sign 57.987+/-23.346 χ^2/NDF: 65.0/37

All: 10.225+/-16.608 χ^2/NDF: 122.8/77

- 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: 102.587+/-0.018 χ^2/NDF:1974006.1/21

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

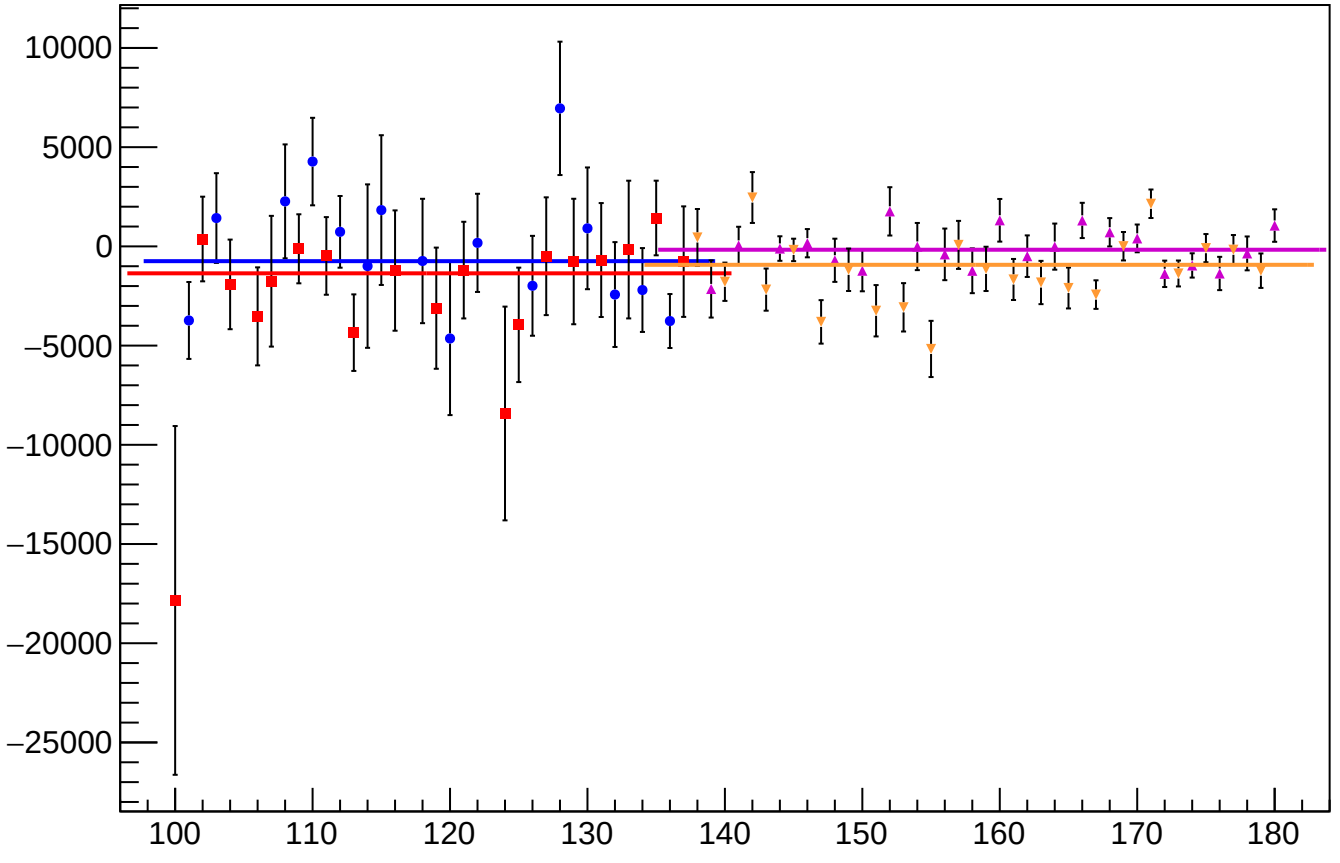
Left In: 103.274+/-0.018 χ^2/NDF:1351743.1/20

+ sign 109.273+/-0.017 χ^2/NDF: 3693900.3/37

All: 109.835+/-0.012 χ^2/NDF: 7009874.2/77

- sign 110.411+/-0.017 χ^2/NDF: 3313623.8/39

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -928.592+/-191.935 χ^2/NDF:64.6/21

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

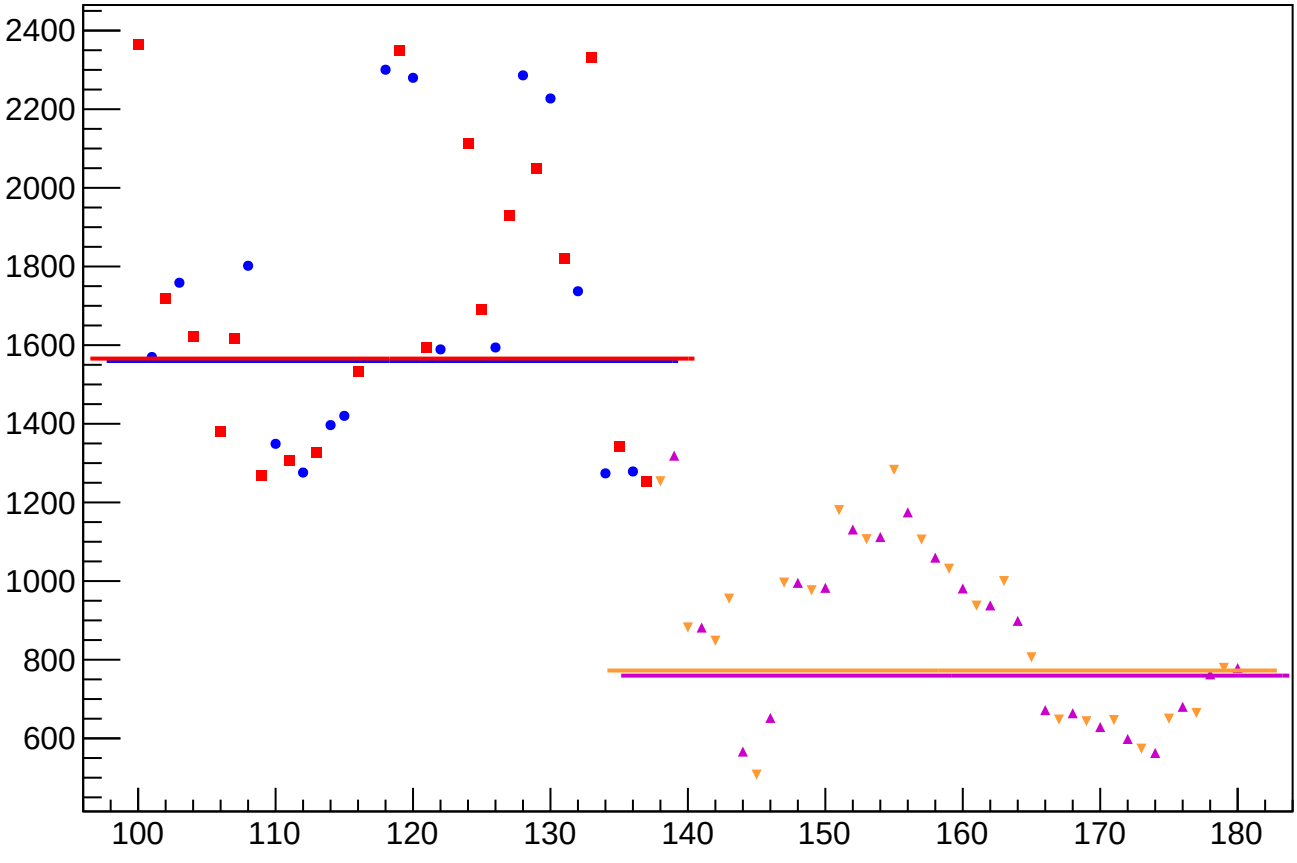
Left In: -169.073+/-189.899 χ^2/NDF:23.1/20

+ sign -911.301+/-182.690 χ^2/NDF: 88.2/37

All: -593.169+/-128.452 χ^2/NDF: 134.6/77

- 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: 772.541+/-0.136 χ^2/NDF:2391944.9/21

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

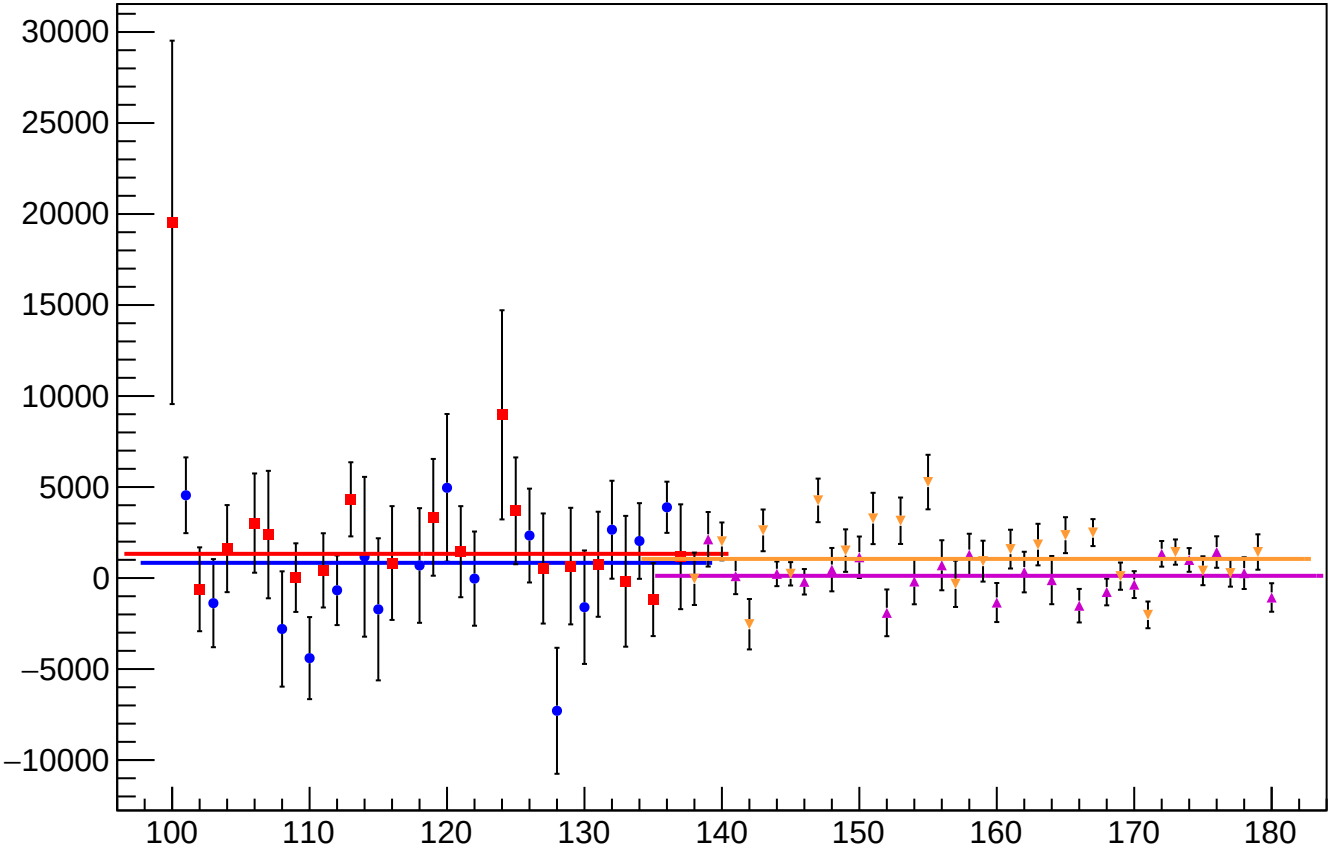
Left In: 759.598+/-0.134 χ^2/NDF:2109472.5/20

+ sign 846.552+/-0.129 χ^2/NDF: 6159140.9/37

All: 841.349+/-0.091 χ^2/NDF: 12263496.9/77

- 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: 1051.459+/-203.321 χ^2/NDF:61.0/21

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

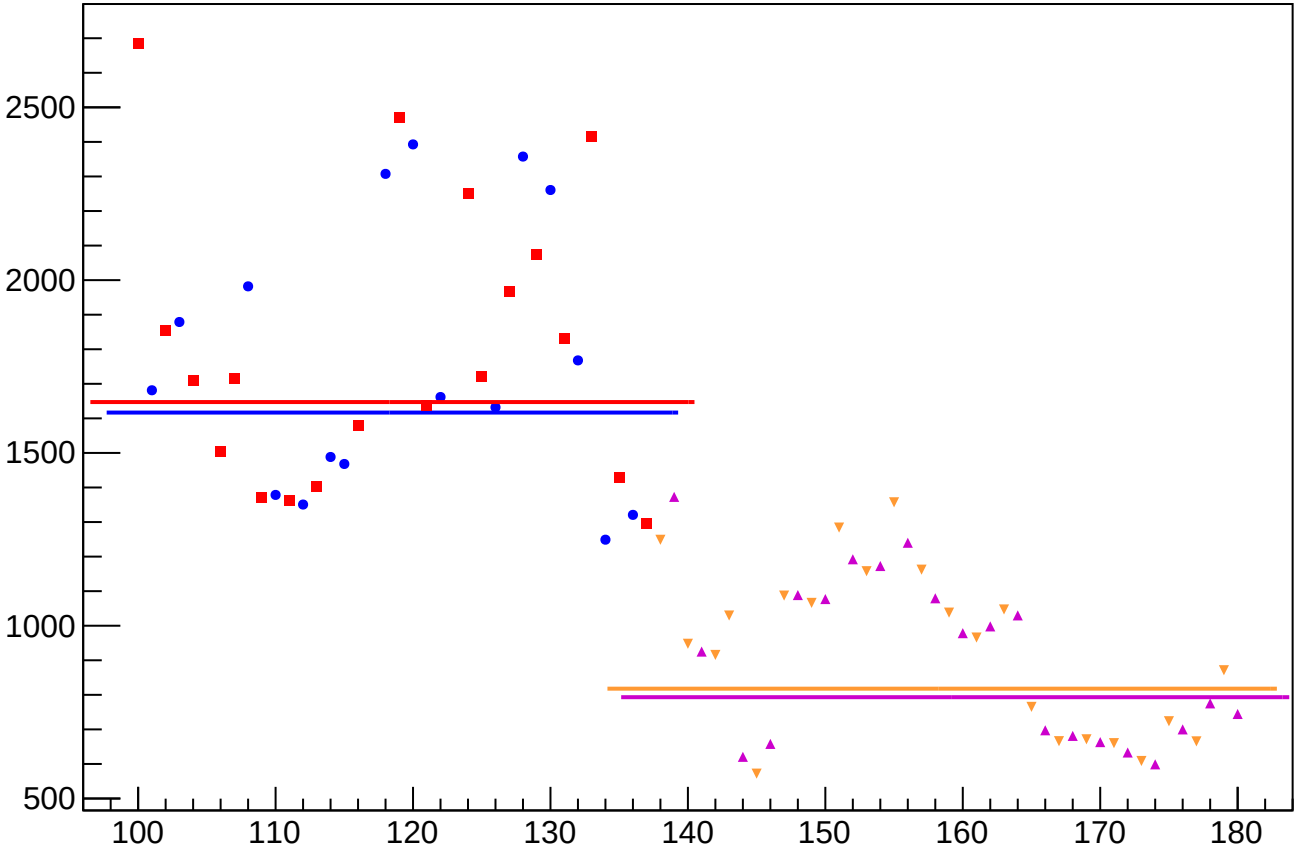
Left In: 122.121+/-198.236 χ^2/NDF:23.0/20

+ sign 1030.415+/-193.160 χ^2/NDF: 86.0/37

All: 623.603+/-134.987 χ^2/NDF: 133.3/77

- 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: 817.857+/-0.144 χ^2/NDF:2294925.9/21

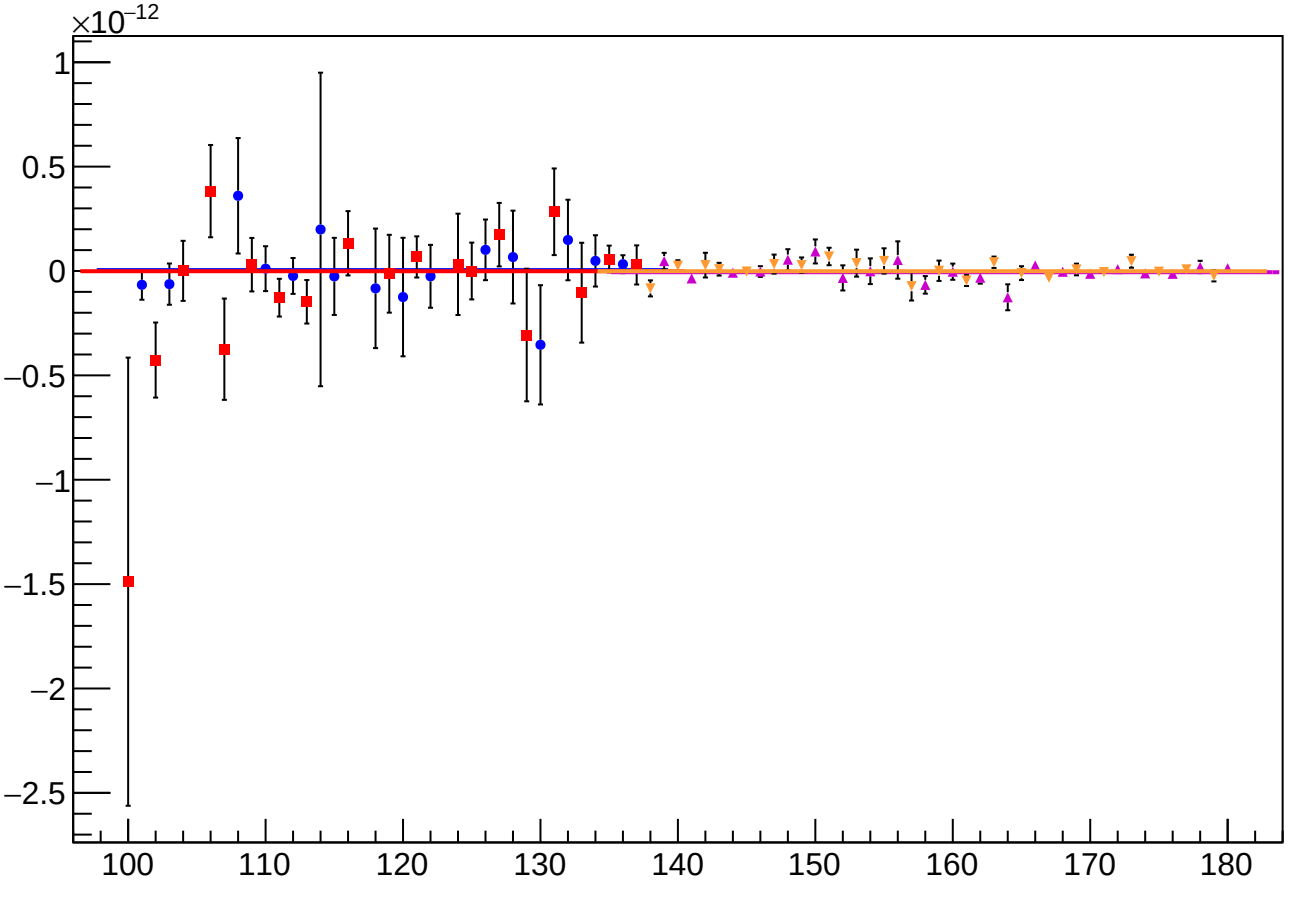
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 793.180+/-0.140 χ^2/NDF:2131926.4/20

+ sign 895.711+/-0.137 χ^2/NDF: 5926503.5/37

All: 884.207+/-0.095 χ^2/NDF: 12075433.5/77

- 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:23.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

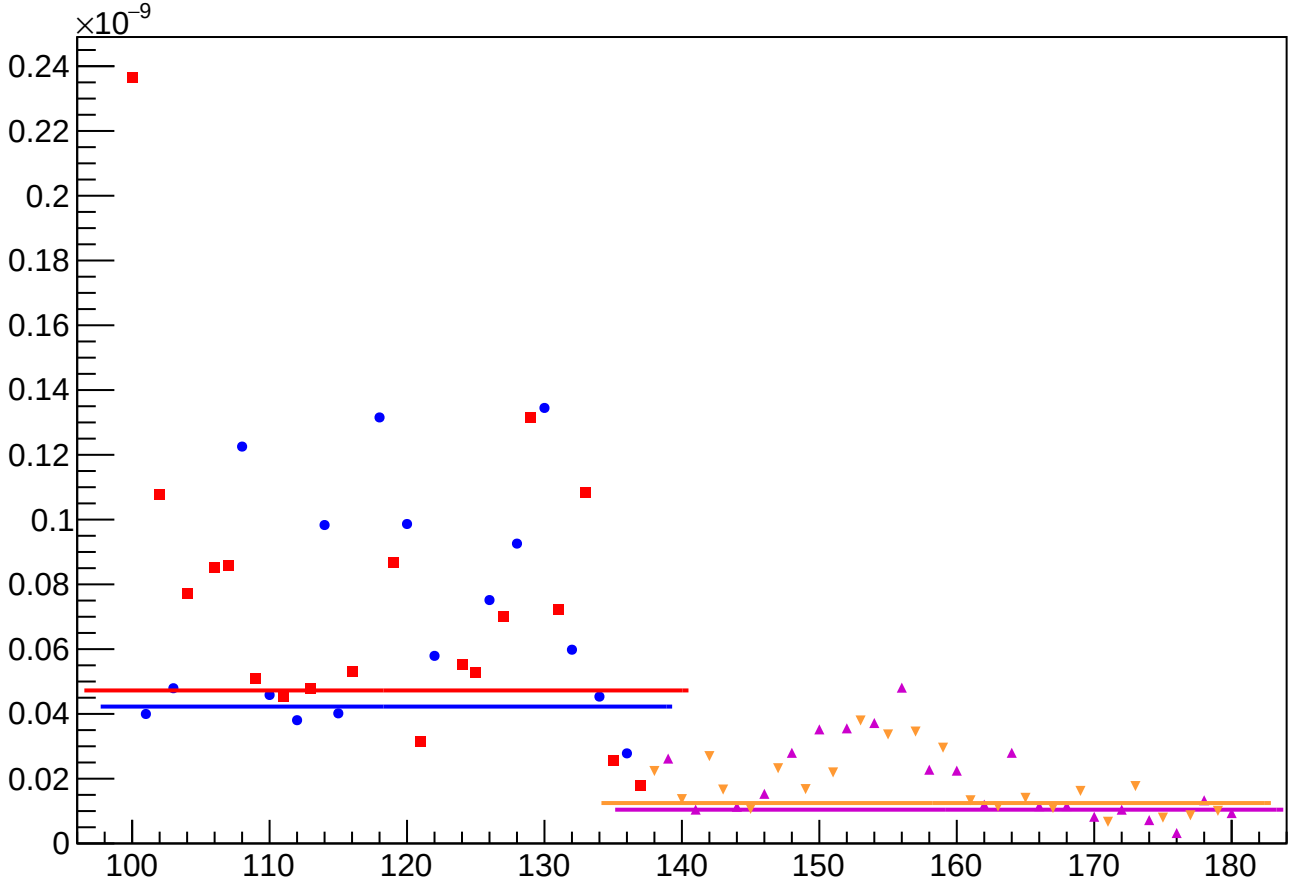
Left In: -0.000+/-0.000 χ^2/NDF:19.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/37

All: -0.000+/-0.000 χ^2/NDF: 74.2/77

- 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:2210164.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

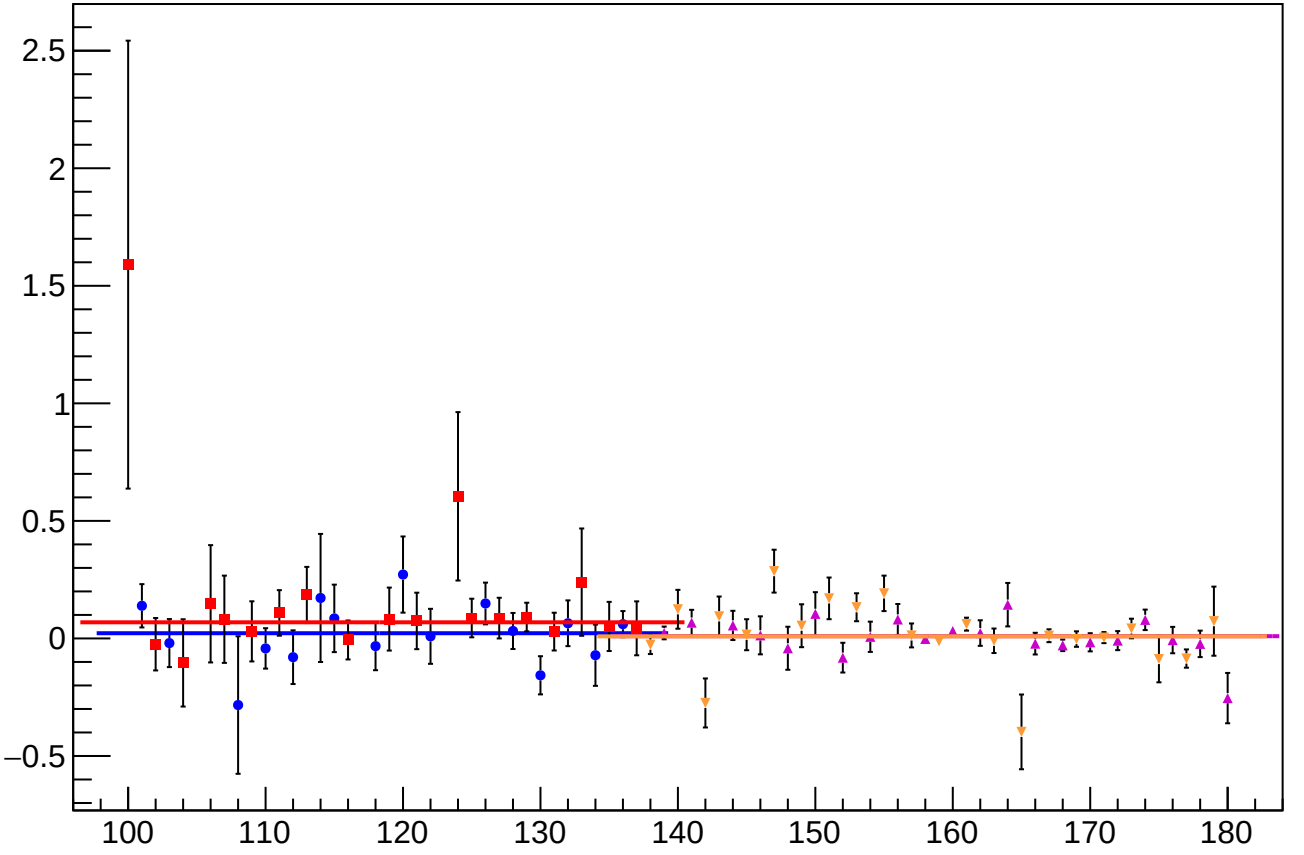
Left In: 0.000+/-0.000 χ^2/NDF:3613795.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 5647854.3/37

All: 0.000+/-0.000 χ^2/NDF: 13718136.7/77

- 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+/-0.009 χ^2/NDF:54.1/21

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

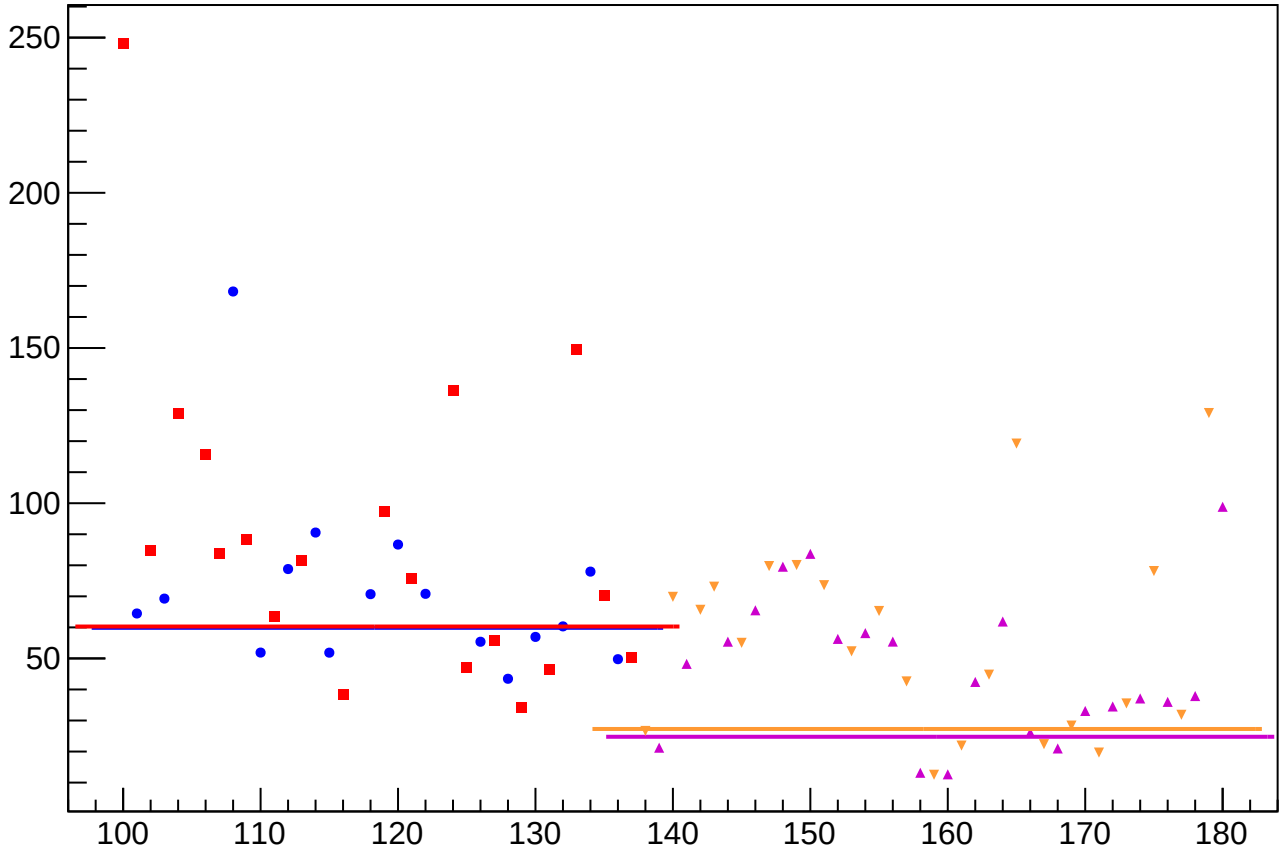
Left In: 0.010+/-0.008 χ^2/NDF:23.8/20

+ sign 0.010+/-0.008 χ^2/NDF: 69.8/37

All: 0.013+/-0.006 χ^2/NDF: 108.3/77

- 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: 27.274+/-0.006 χ^2/NDF:9328510.8/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

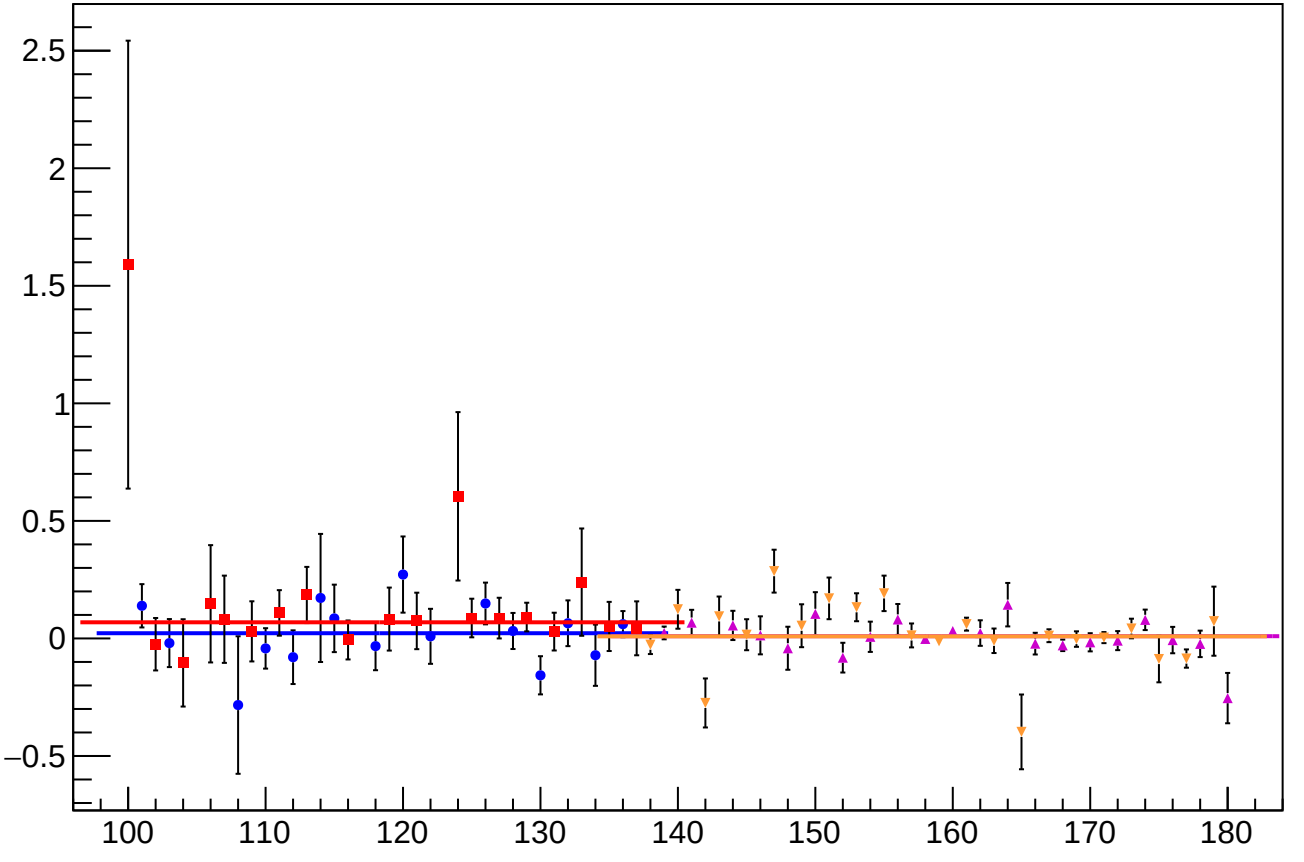
Left In: 24.762+/-0.006 χ^2/NDF:8656681.8/20

+ sign 30.739+/-0.006 χ^2/NDF: 13146152.3/37

All: 29.263+/-0.004 χ^2/NDF: 27500576.9/77

- 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+/-0.009 χ^2/NDF:54.1/21

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

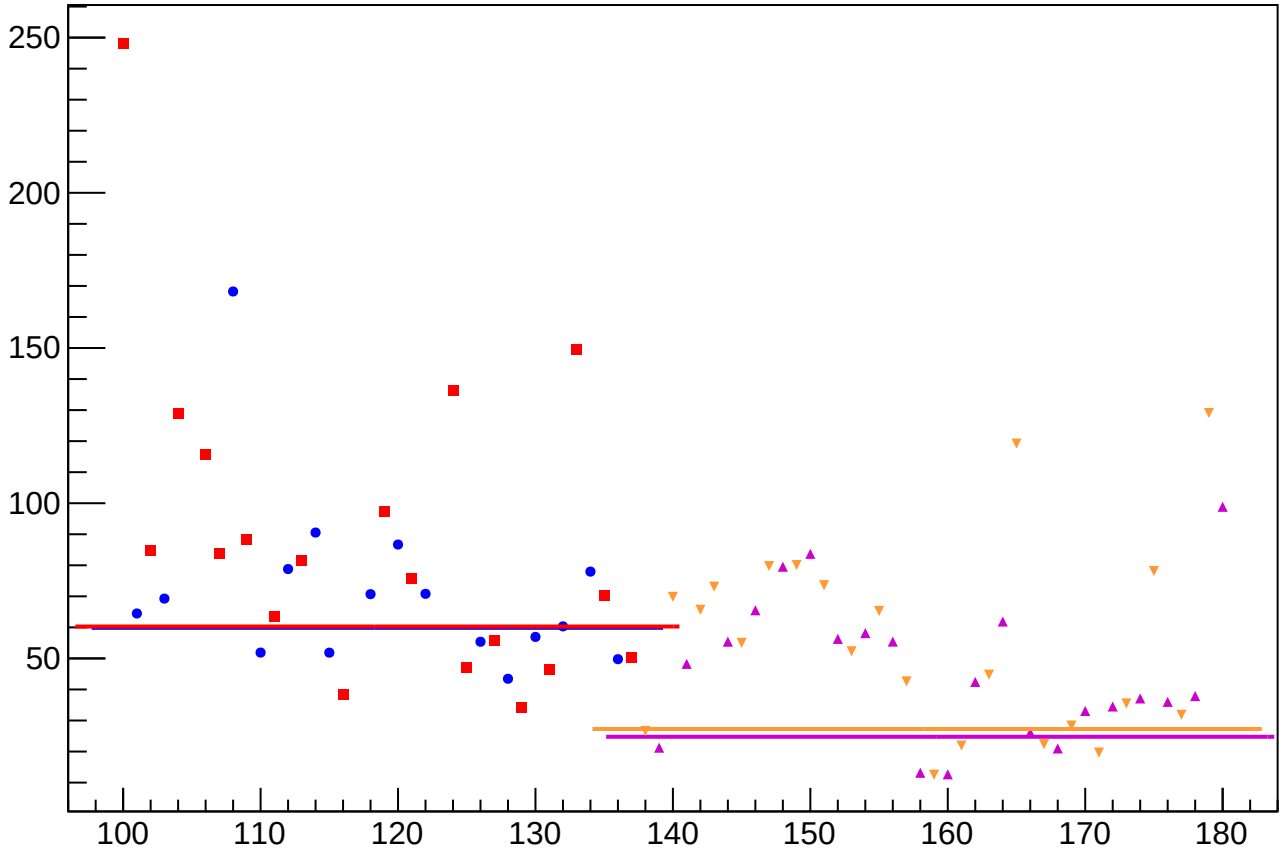
Left In: 0.010+/-0.008 χ^2/NDF:23.8/20

+ sign 0.010+/-0.008 χ^2/NDF: 69.8/37

All: 0.013+/-0.006 χ^2/NDF: 108.3/77

- 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: 27.274+/-0.006 χ^2/NDF:9328510.8/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

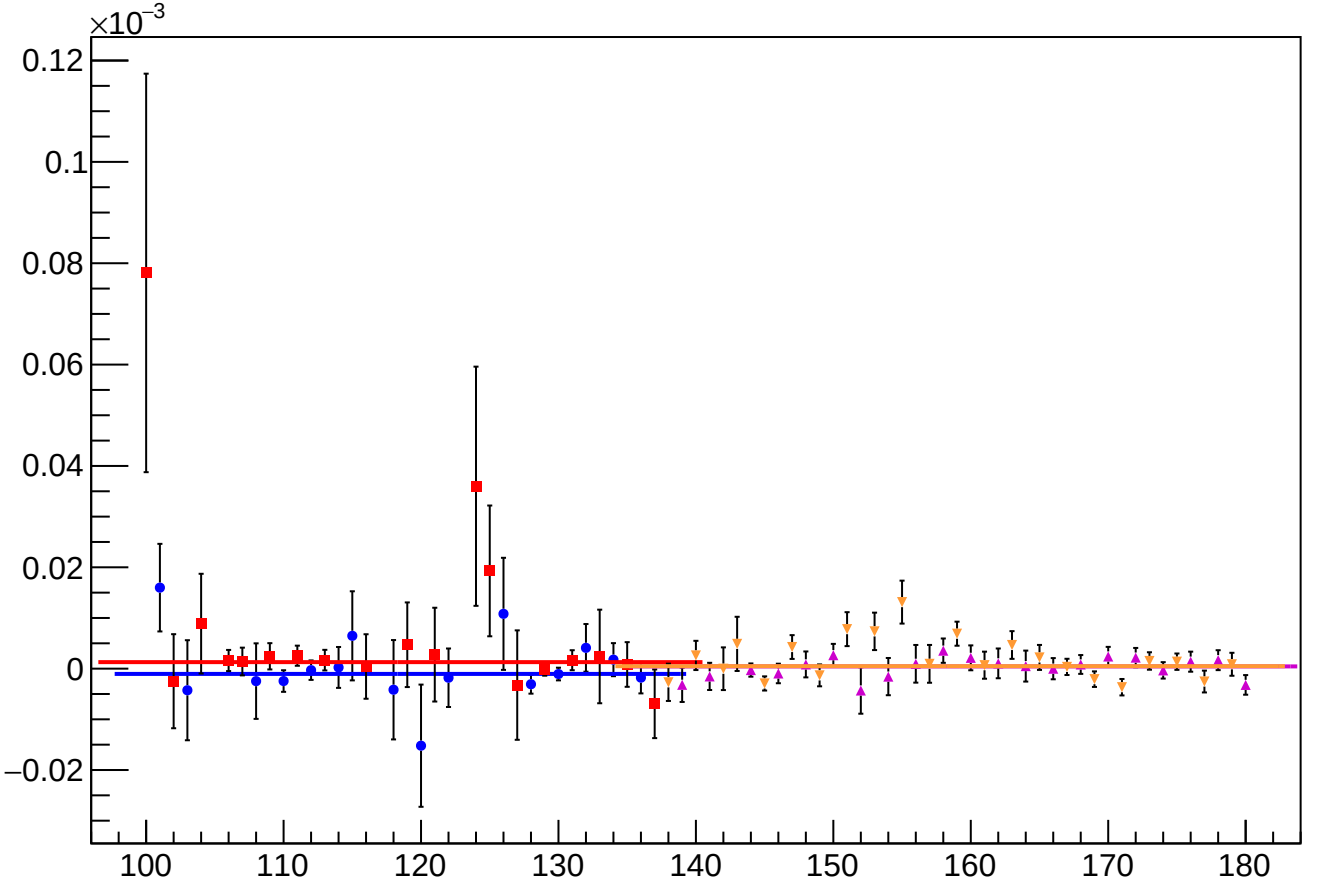
Left In: 24.762+/-0.006 χ^2/NDF:8656681.8/20

+ sign 30.739+/-0.006 χ^2/NDF: 13146152.3/37

All: 29.263+/-0.004 χ^2/NDF: 27500576.9/77

- 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:50.5/21

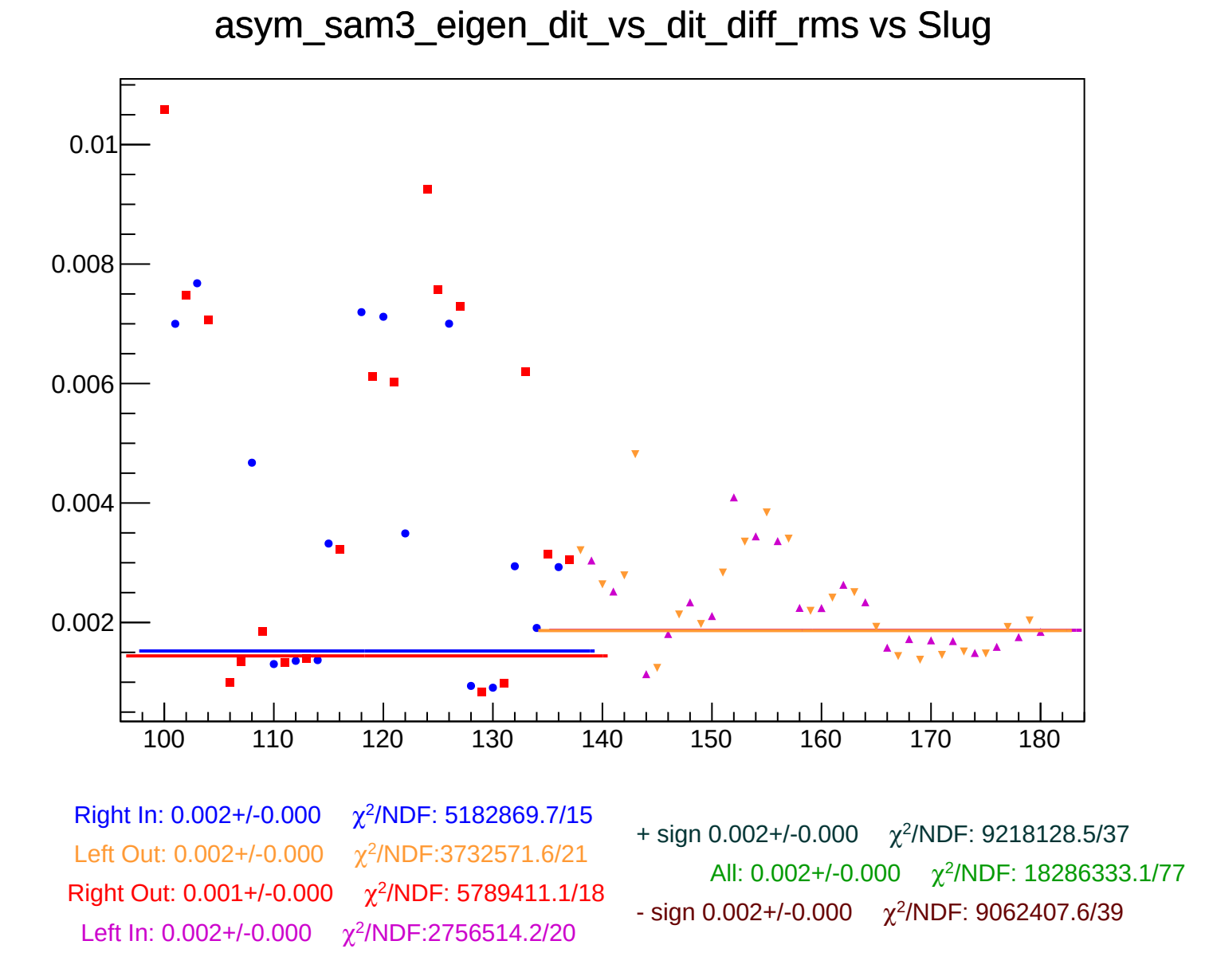
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/20

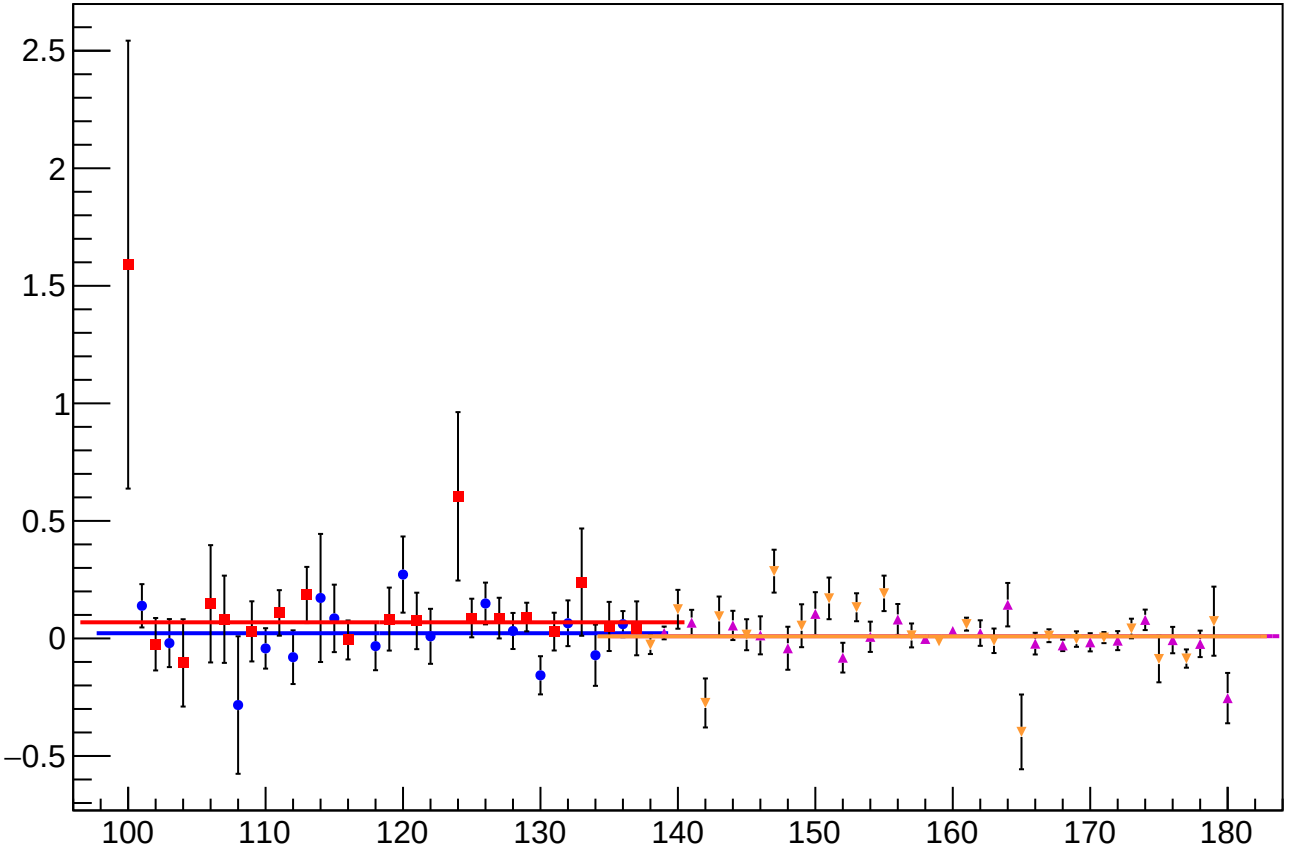
+ sign 0.000+/-0.000 χ^2/NDF: 64.8/37

All: 0.000+/-0.000 χ^2/NDF: 93.2/77

- 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:3732571.6/21
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: 9218128.5/37
All: 0.002+/-0.000 χ²/NDF: 18286333.1/77
- 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+/-0.009 χ^2/NDF:54.1/21

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

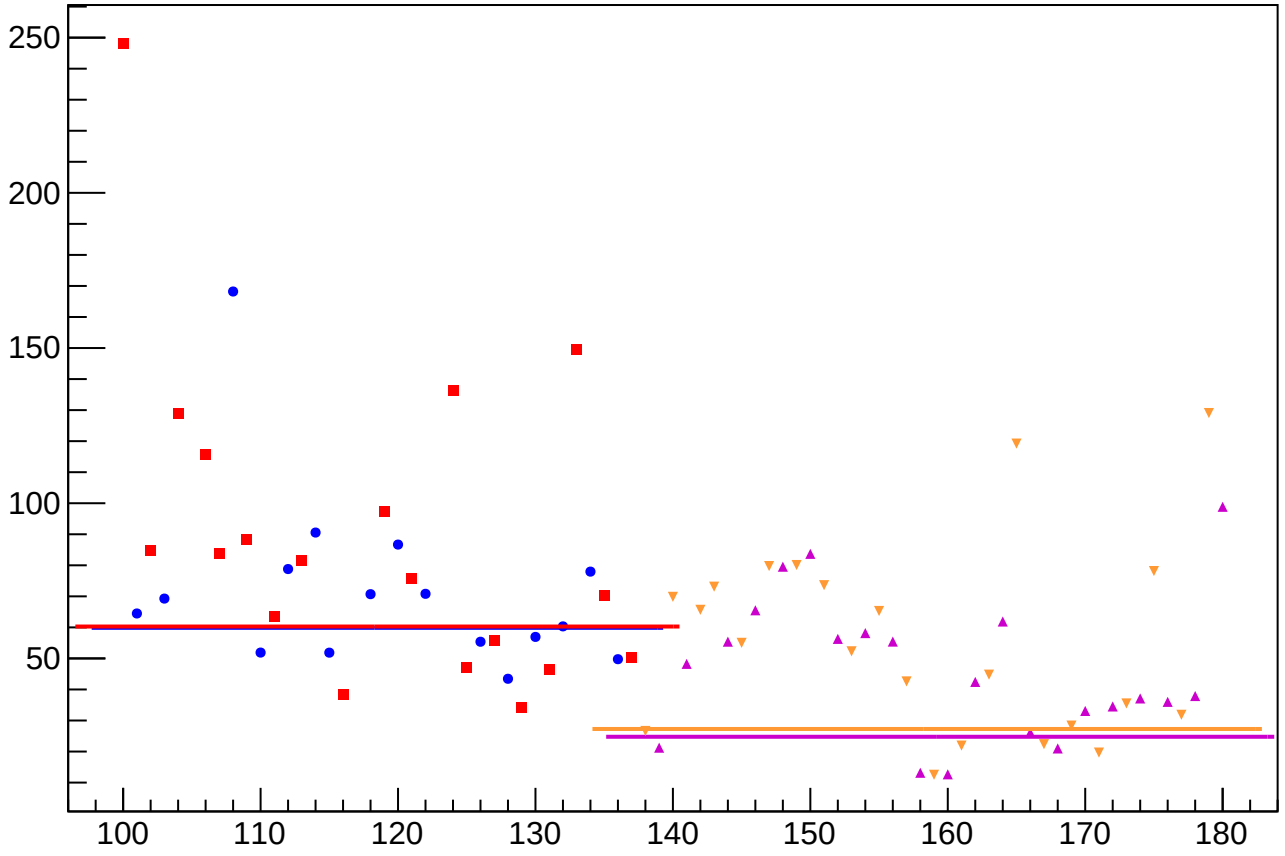
Left In: 0.010+/-0.008 χ^2/NDF:23.8/20

+ sign 0.010+/-0.008 χ^2/NDF: 69.8/37

All: 0.013+/-0.006 χ^2/NDF: 108.3/77

- 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: 27.273+/-0.006 χ^2/NDF:9329509.2/21

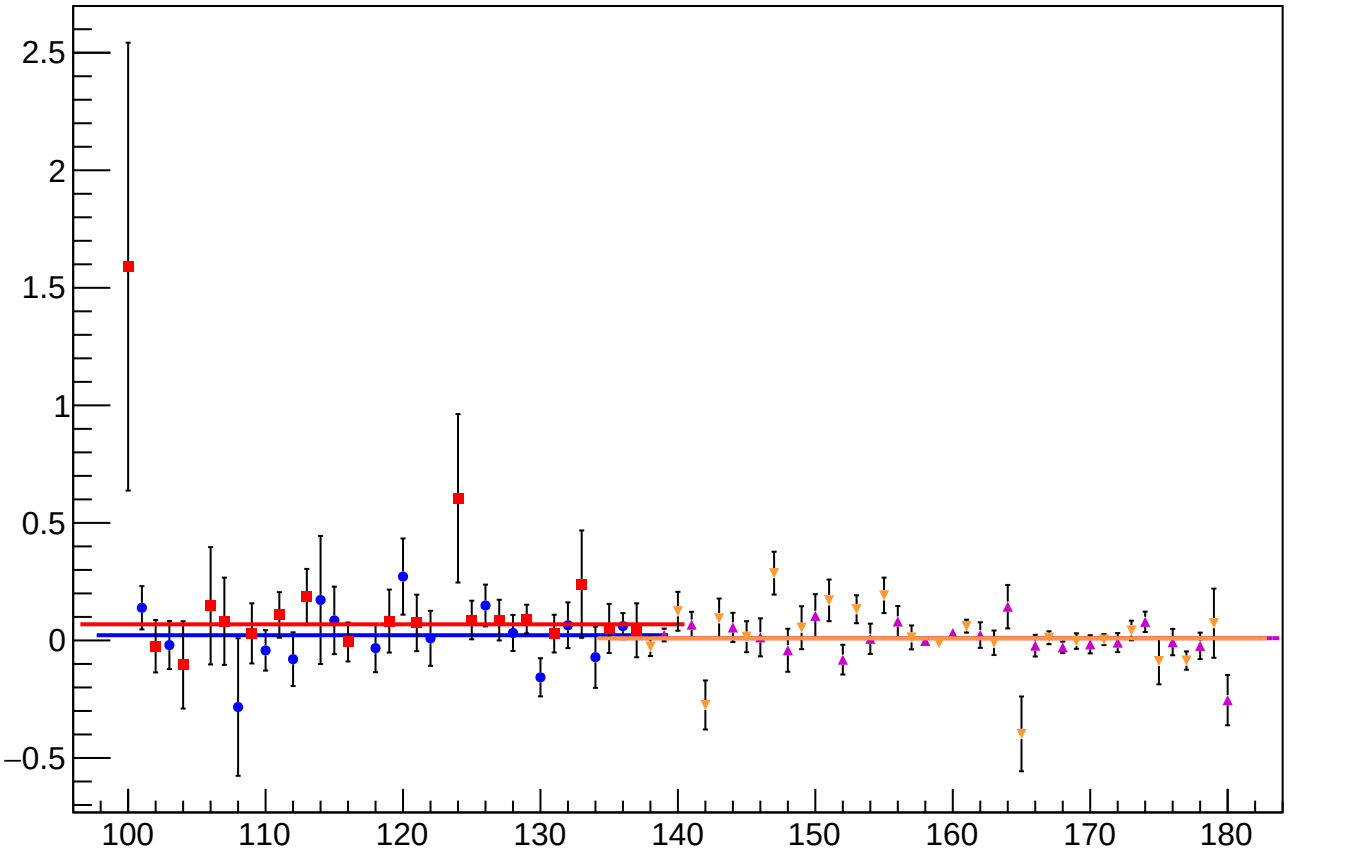
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.761+/-0.006 χ^2/NDF:8657171.8/20

+ sign 30.738+/-0.006 χ^2/NDF: 13147512.2/37

All: 29.263+/-0.004 χ^2/NDF: 27502527.5/77

- 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+/-0.009 χ^2/NDF:54.1/21

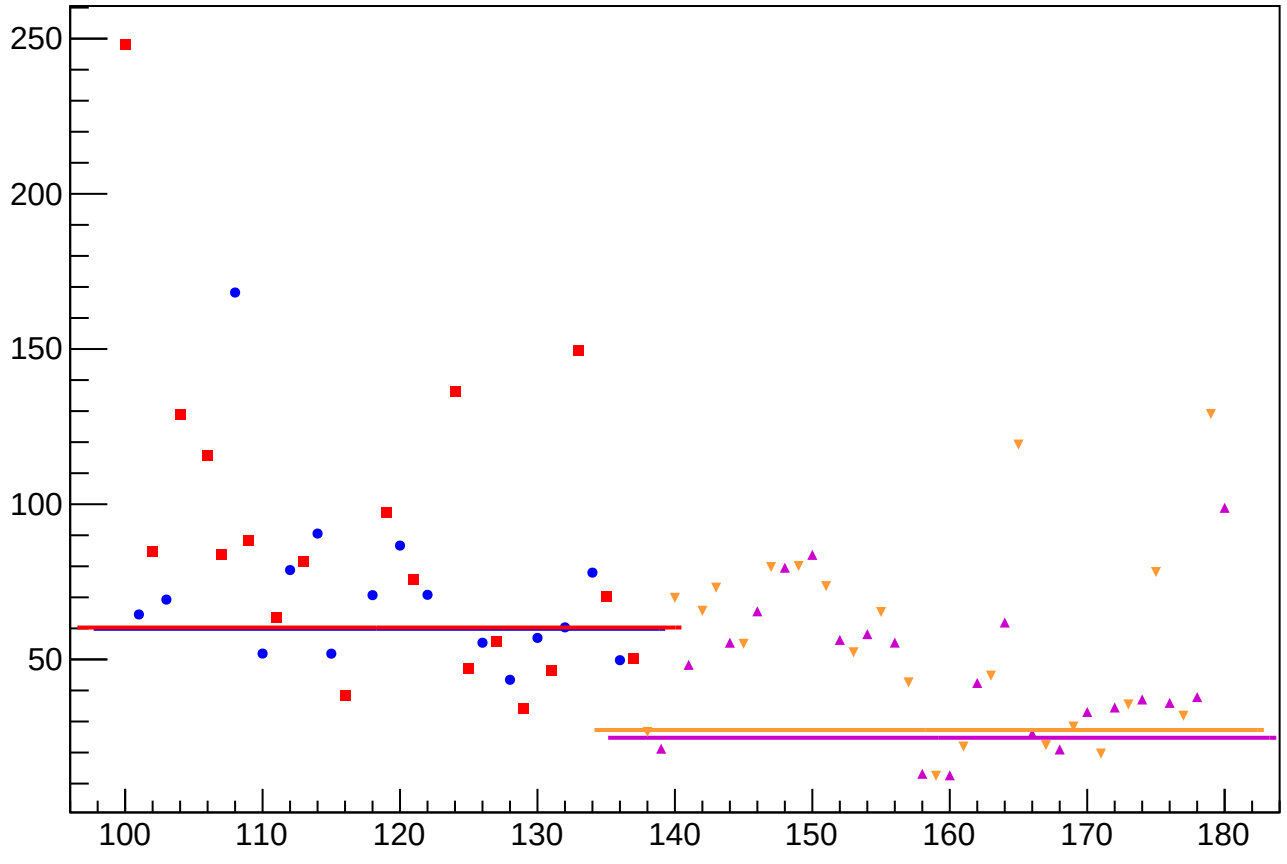
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.010+/-0.008 χ^2/NDF:23.8/20

+ sign 0.010+/-0.008 χ^2/NDF: 69.8/37

All: 0.013+/-0.006 χ^2/NDF: 108.3/77

- 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: 27.273+/-0.006 χ^2/NDF:9329509.2/21

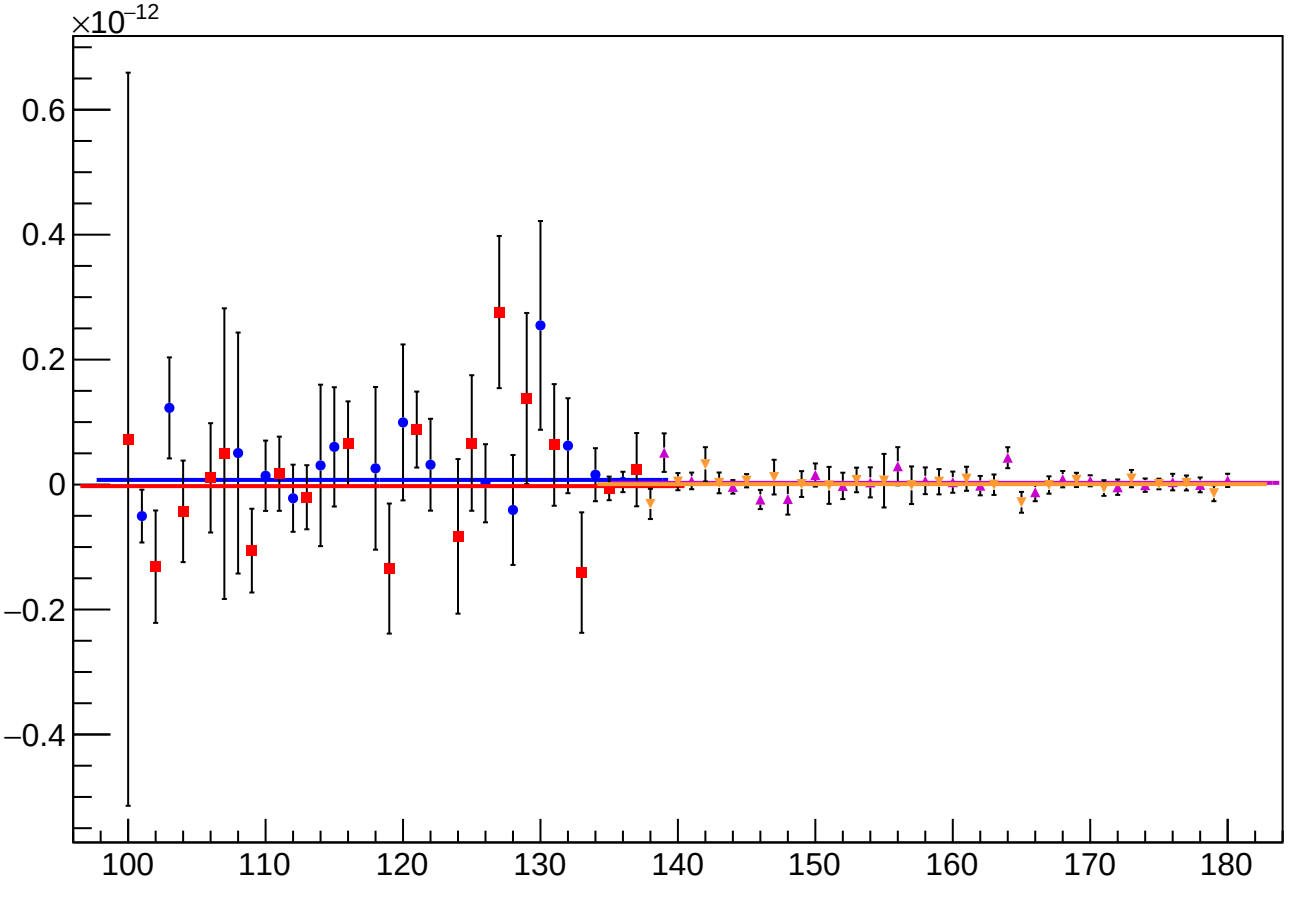
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.761+/-0.006 χ^2/NDF:8657171.8/20

+ sign 30.738+/-0.006 χ^2/NDF: 13147512.2/37

All: 29.263+/-0.004 χ^2/NDF: 27502527.5/77

- sign 27.953+/-0.005 χ^2/NDF: 14228010.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

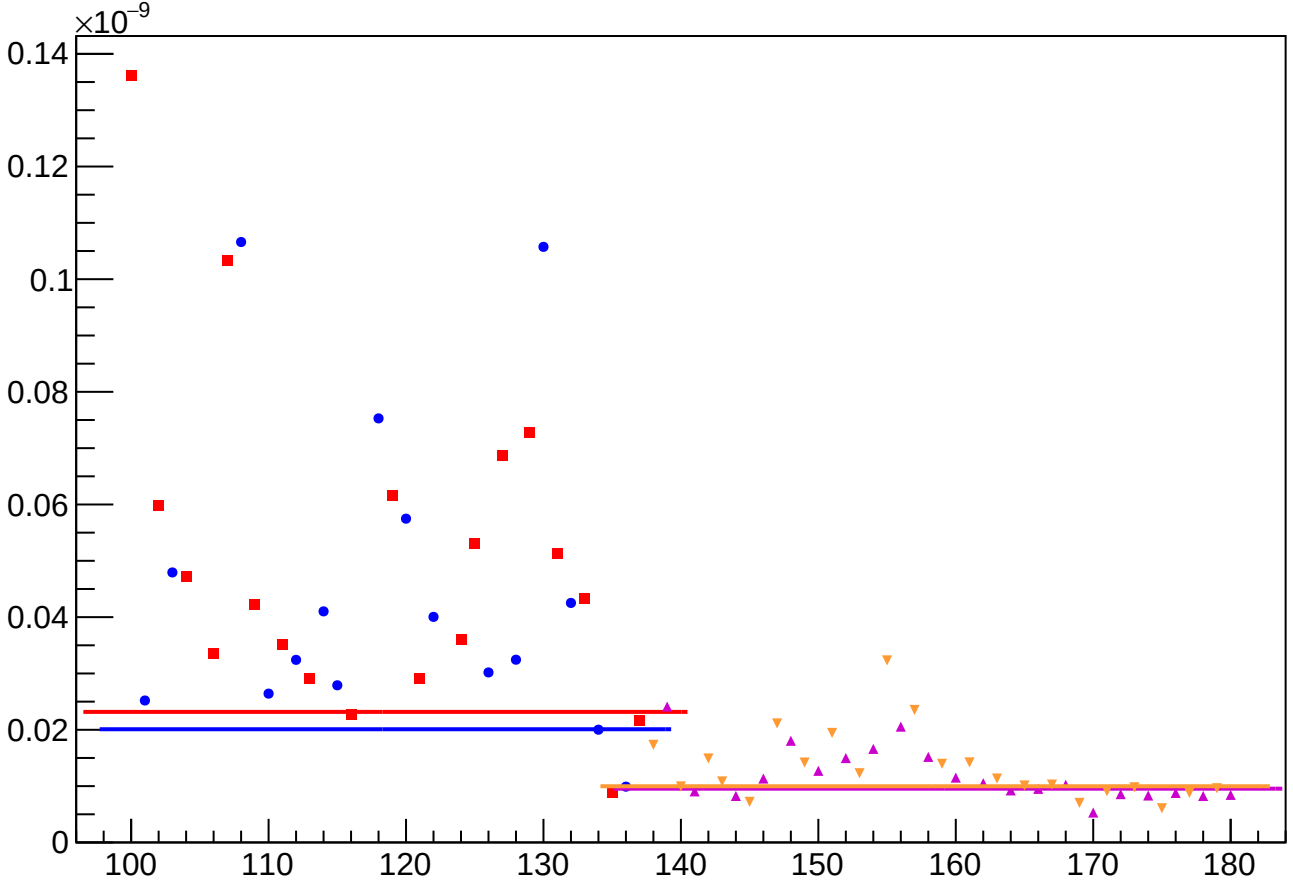
Left In: 0.000+/-0.000 χ^2/NDF:16.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 18.0/37

All: 0.000+/-0.000 χ^2/NDF: 54.1/77

- 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:2753336.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

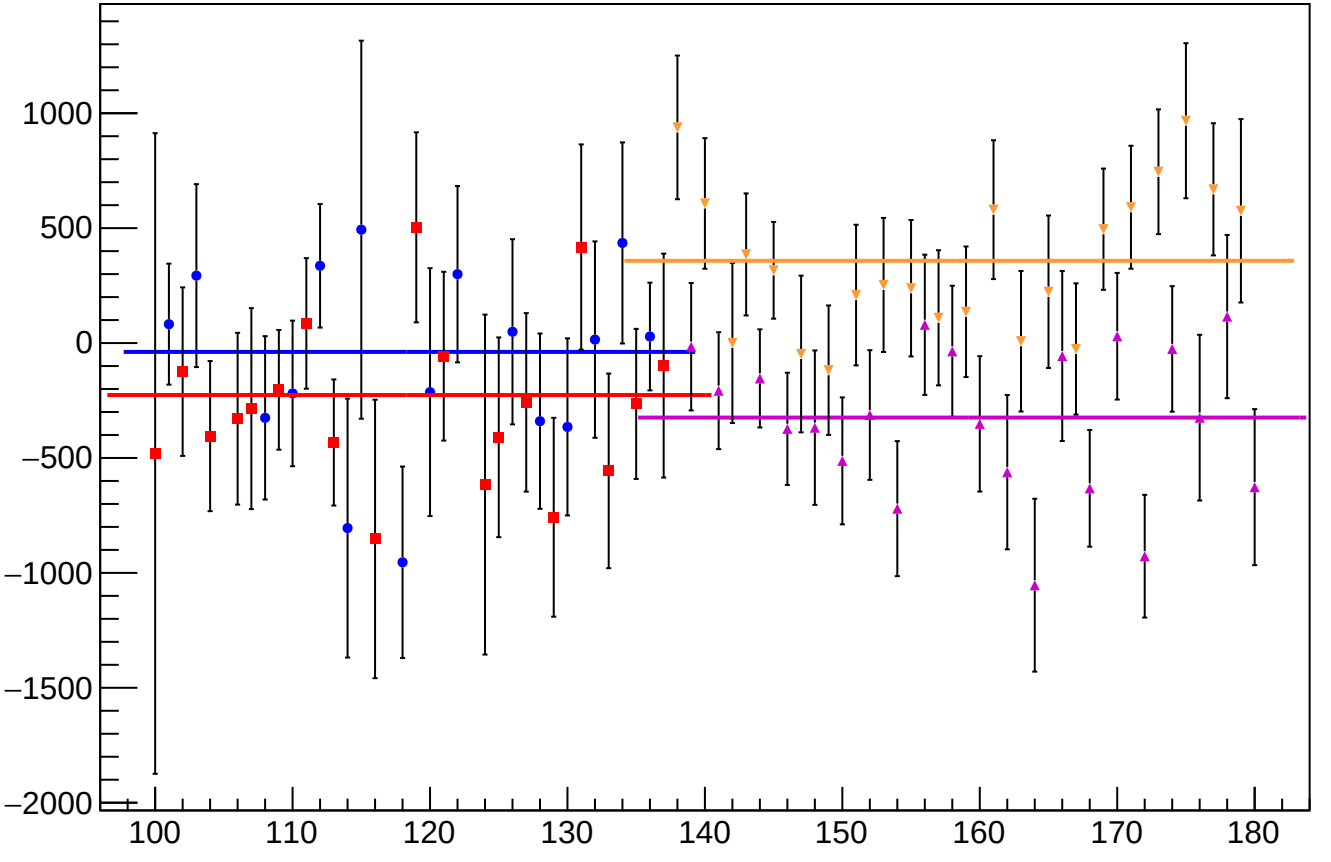
Left In: 0.000+/-0.000 χ^2/NDF:2090148.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 7170278.6/37

All: 0.000+/-0.000 χ^2/NDF: 14739079.1/77

- 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: 357.913+/-62.175 χ^2/NDF:23.1/21

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

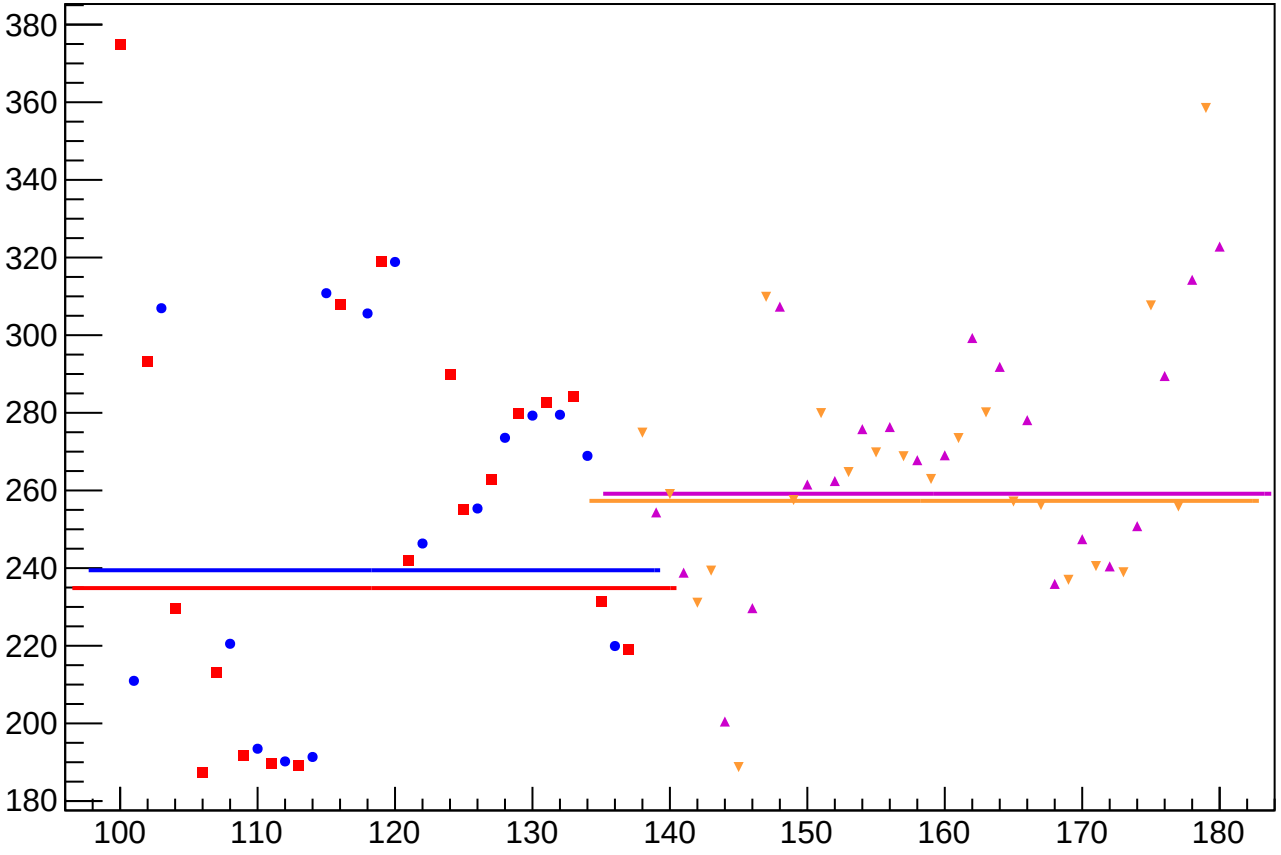
Left In: -324.278+/-63.052 χ^2/NDF:23.7/20

+ sign 231.030+/-51.268 χ^2/NDF: 50.5/37

All: -30.126+/-36.240 χ^2/NDF: 138.4/77

- 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: 257.325+/-0.044 χ^2/NDF:525454.3/21

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

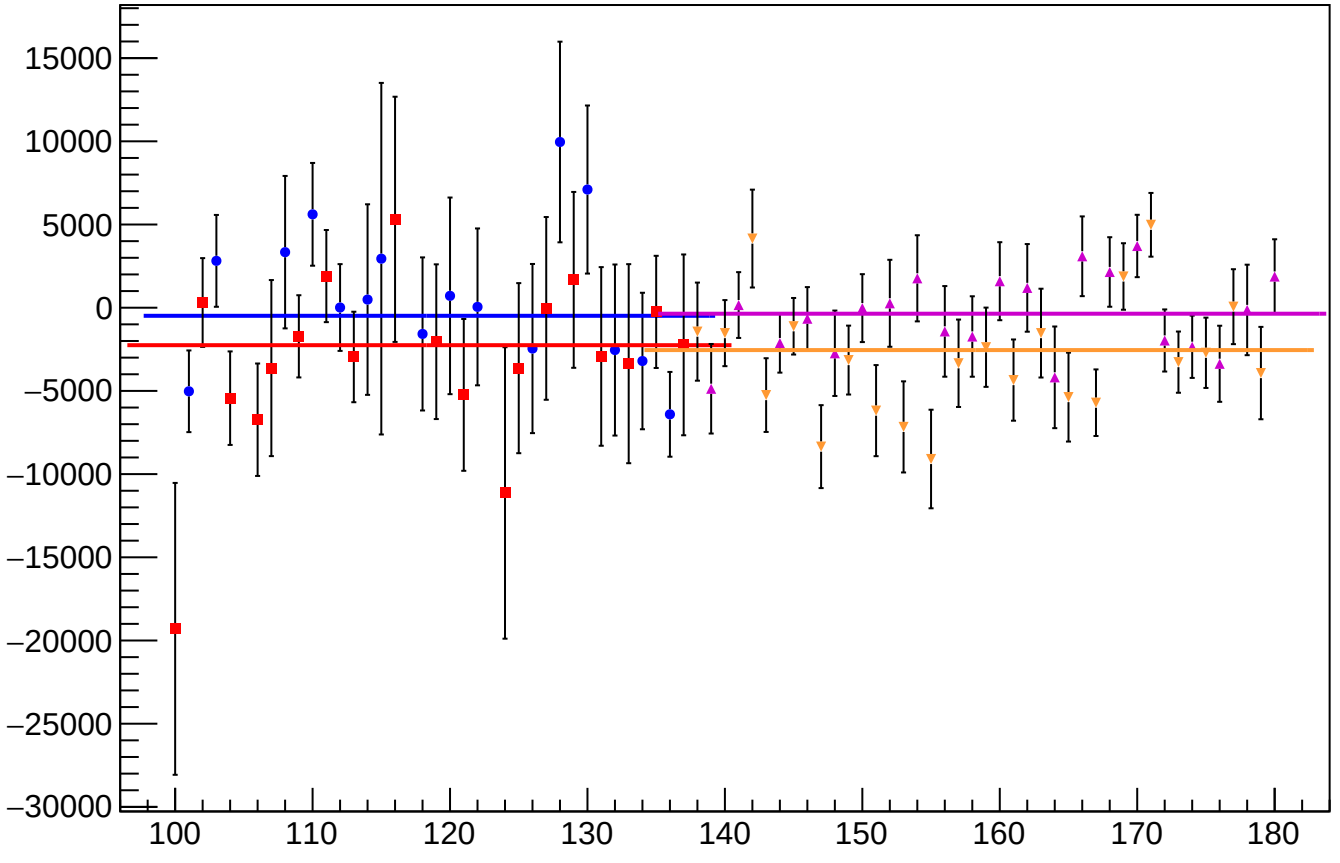
Left In: 259.157+/-0.045 χ^2/NDF:465559.2/20

+ sign 251.603+/-0.036 χ^2/NDF: 979325.9/37

All: 251.252+/-0.026 χ^2/NDF: 2027715.8/77

- 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: -2546.562+/-488.036 χ^2/NDF:49.3/21

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

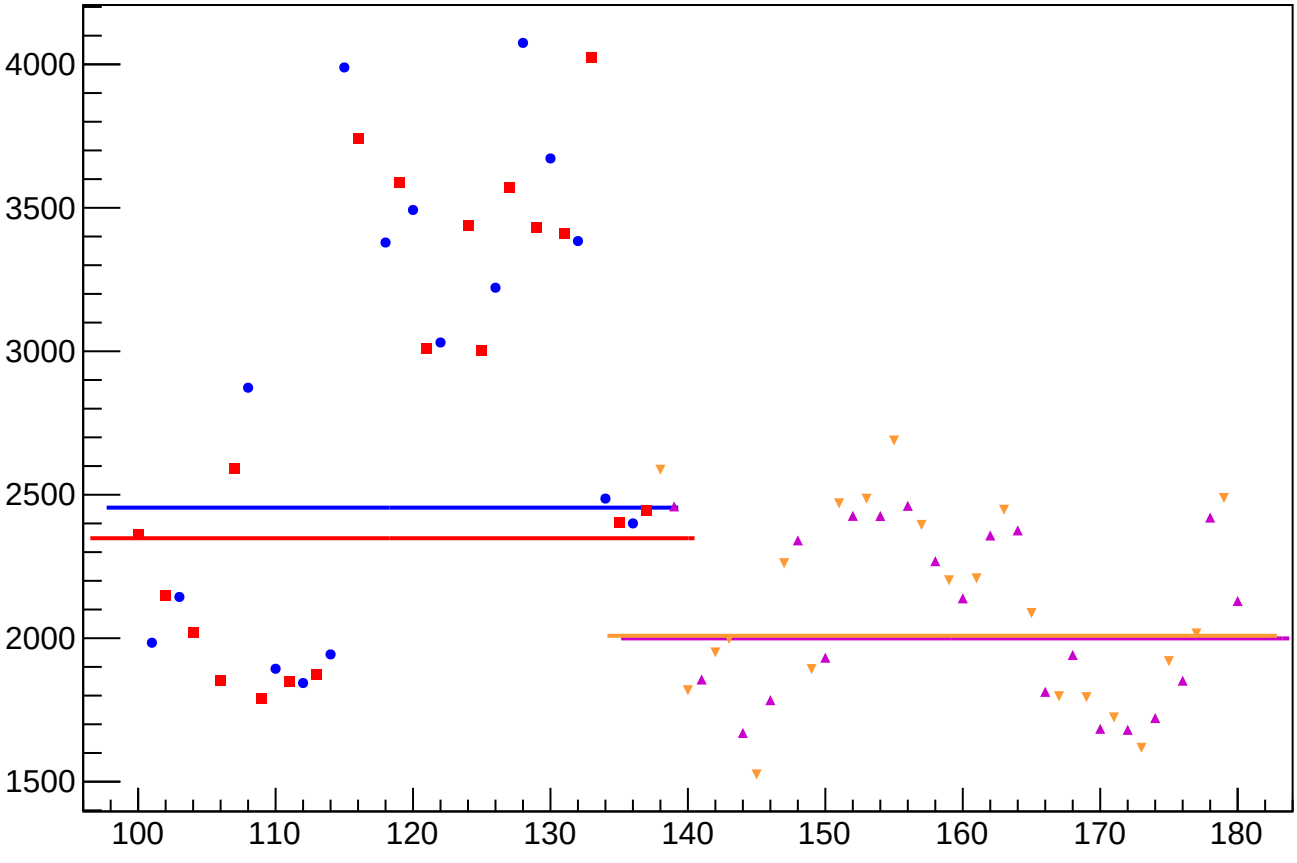
Left In: -360.544+/-487.940 χ^2/NDF:21.4/20

+ sign -2114.466+/-433.861 χ^2/NDF: 74.2/37

All: -1446.007+/-304.807 χ^2/NDF: 117.6/77

- sign -794.519+/-428.318 χ^2/NDF: 38.7/39

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2008.427+/-0.345 χ^2/NDF:876686.2/21

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

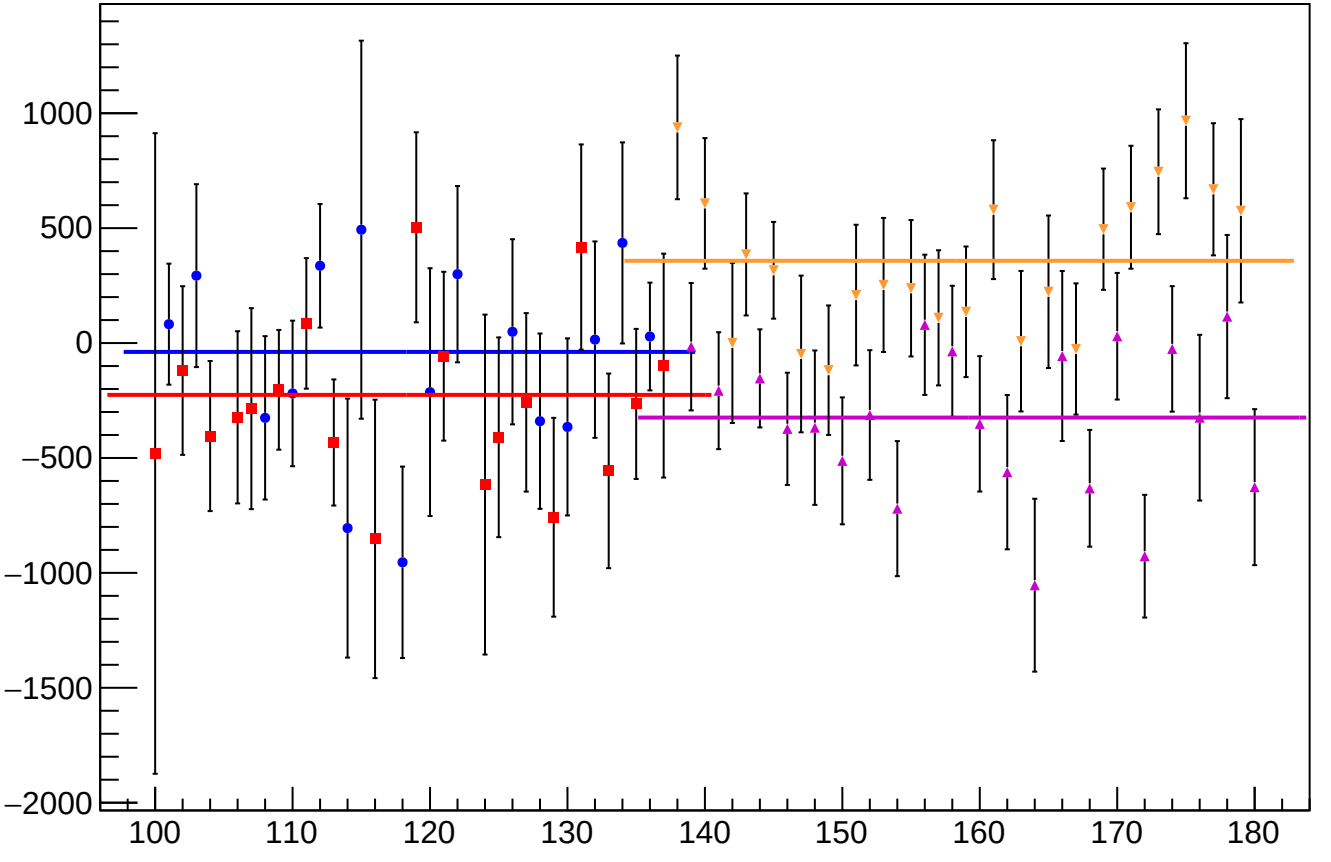
Left In: 1999.338+/-0.345 χ^2/NDF:701001.0/20

+ sign 2102.091+/-0.307 χ^2/NDF: 2122386.2/37

All: 2090.621+/-0.216 χ^2/NDF: 4113482.3/77

- sign 2079.442+/-0.303 χ^2/NDF: 1988335.8/39

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 357.926+/-62.175 χ^2/NDF:23.1/21

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

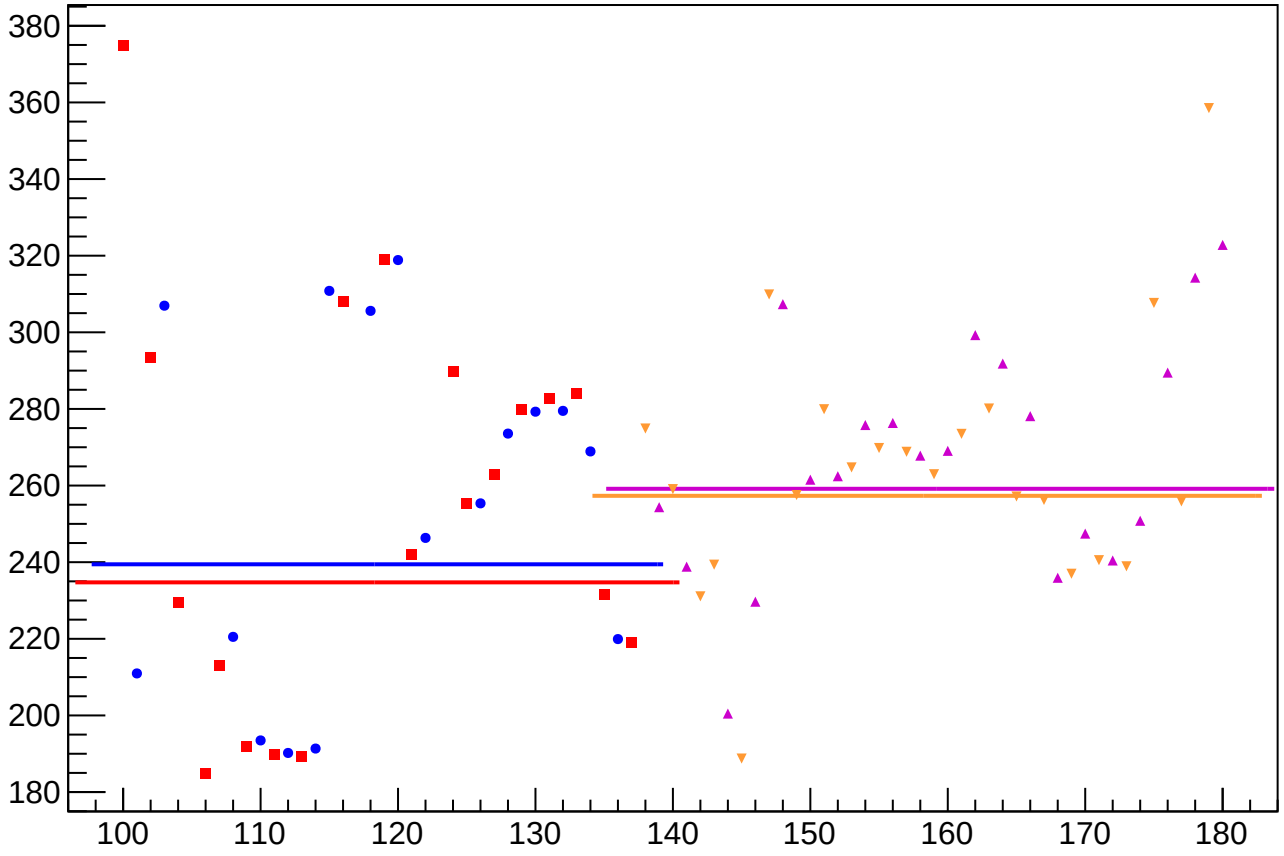
Left In: -324.282+/-63.052 χ^2/NDF:23.7/20

+ sign 231.032+/-51.268 χ^2/NDF: 50.6/37

All: -30.005+/-36.241 χ^2/NDF: 138.4/77

- sign -290.738+/-51.238 χ^2/NDF: 36.0/39

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 257.325+/-0.044 χ^2/NDF:525454.3/21

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

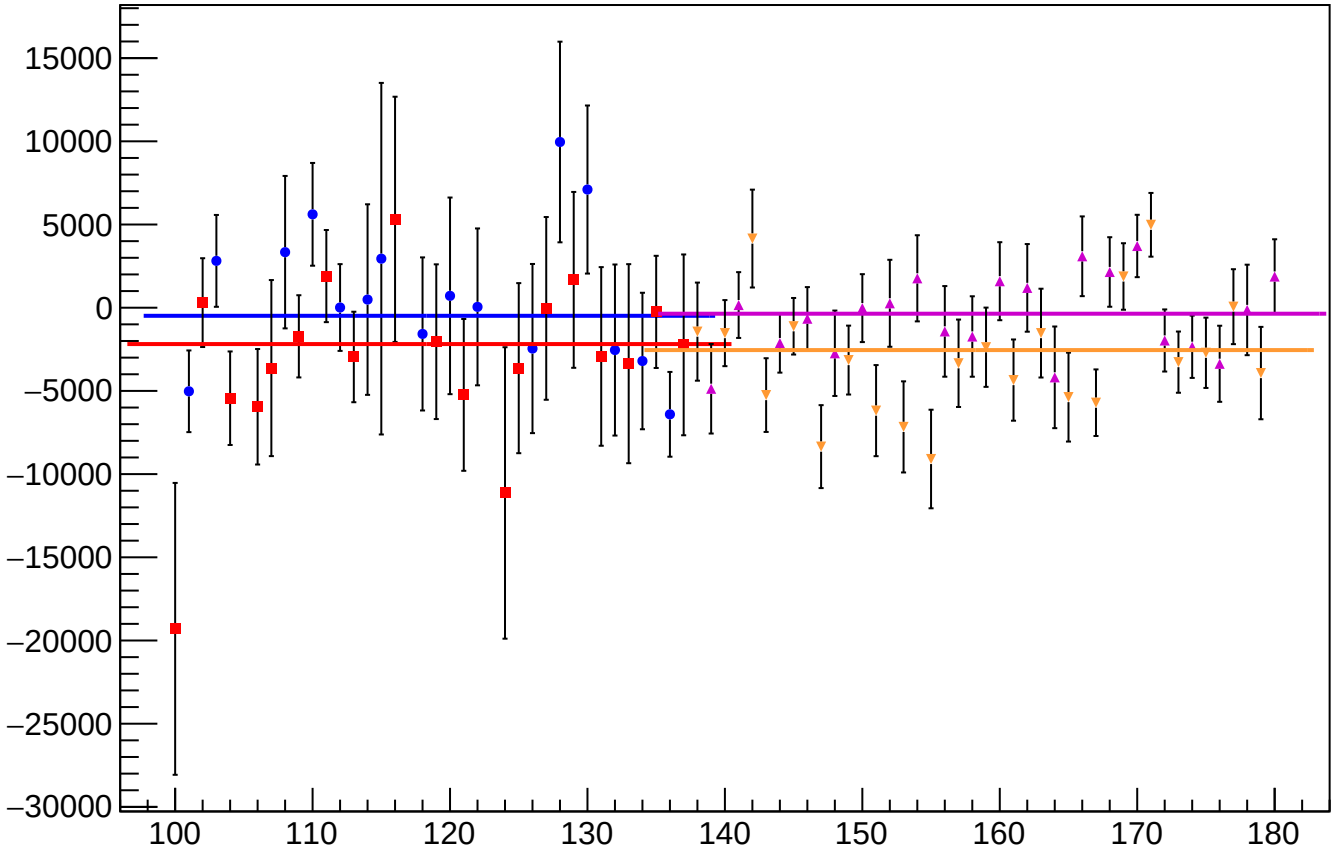
Left In: 259.157+/-0.045 χ^2/NDF:465559.2/20

+ sign 251.603+/-0.036 χ^2/NDF: 979327.9/37

All: 251.232+/-0.026 χ^2/NDF: 2032255.3/77

- 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: -2546.549+/-488.036 χ^2/NDF:49.3/21

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

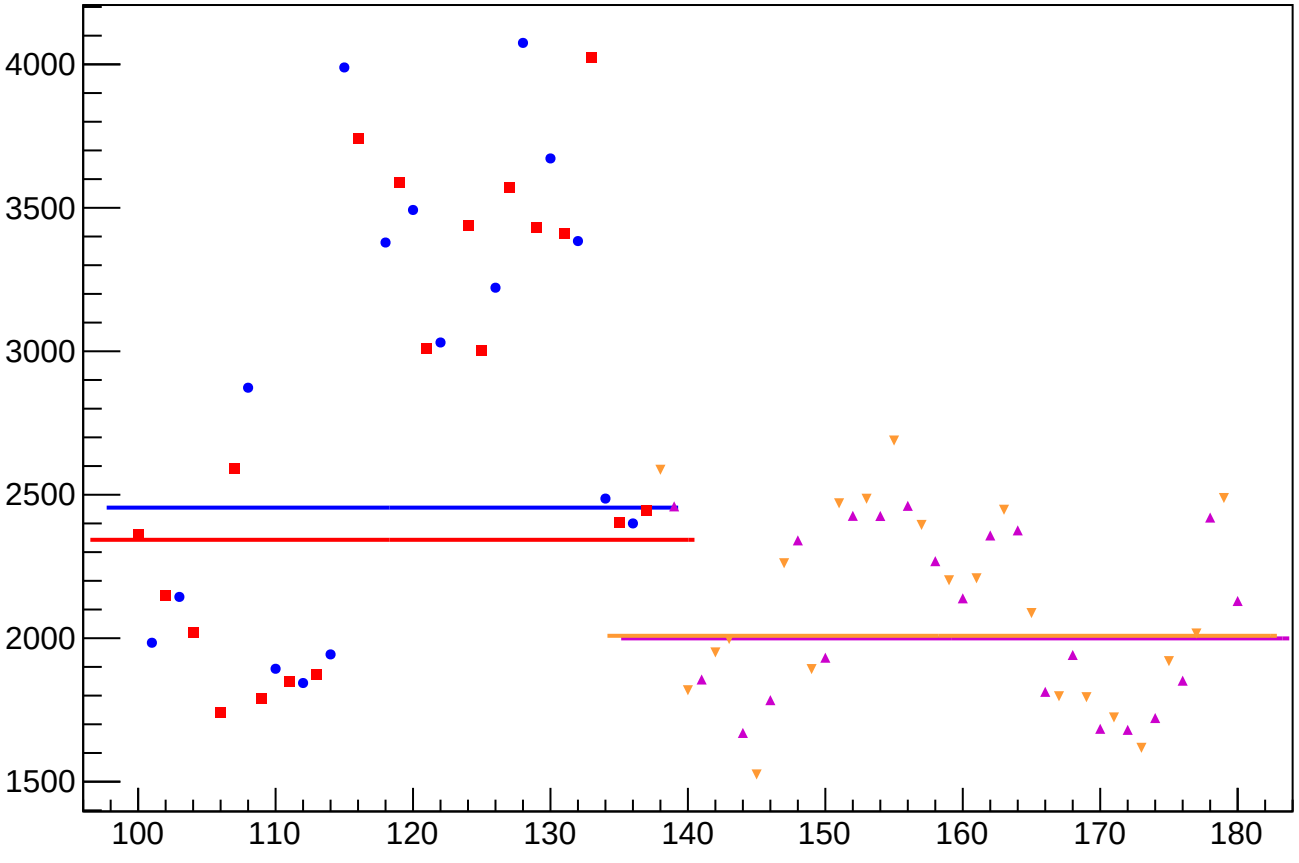
Left In: -360.549+/-487.940 χ^2/NDF:21.4/20

+ sign -2114.497+/-433.862 χ^2/NDF: 74.2/37

All: -1437.903+/-304.875 χ^2/NDF: 116.9/77

- 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: 2008.427+/-0.345 χ^2/NDF:876686.9/21

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

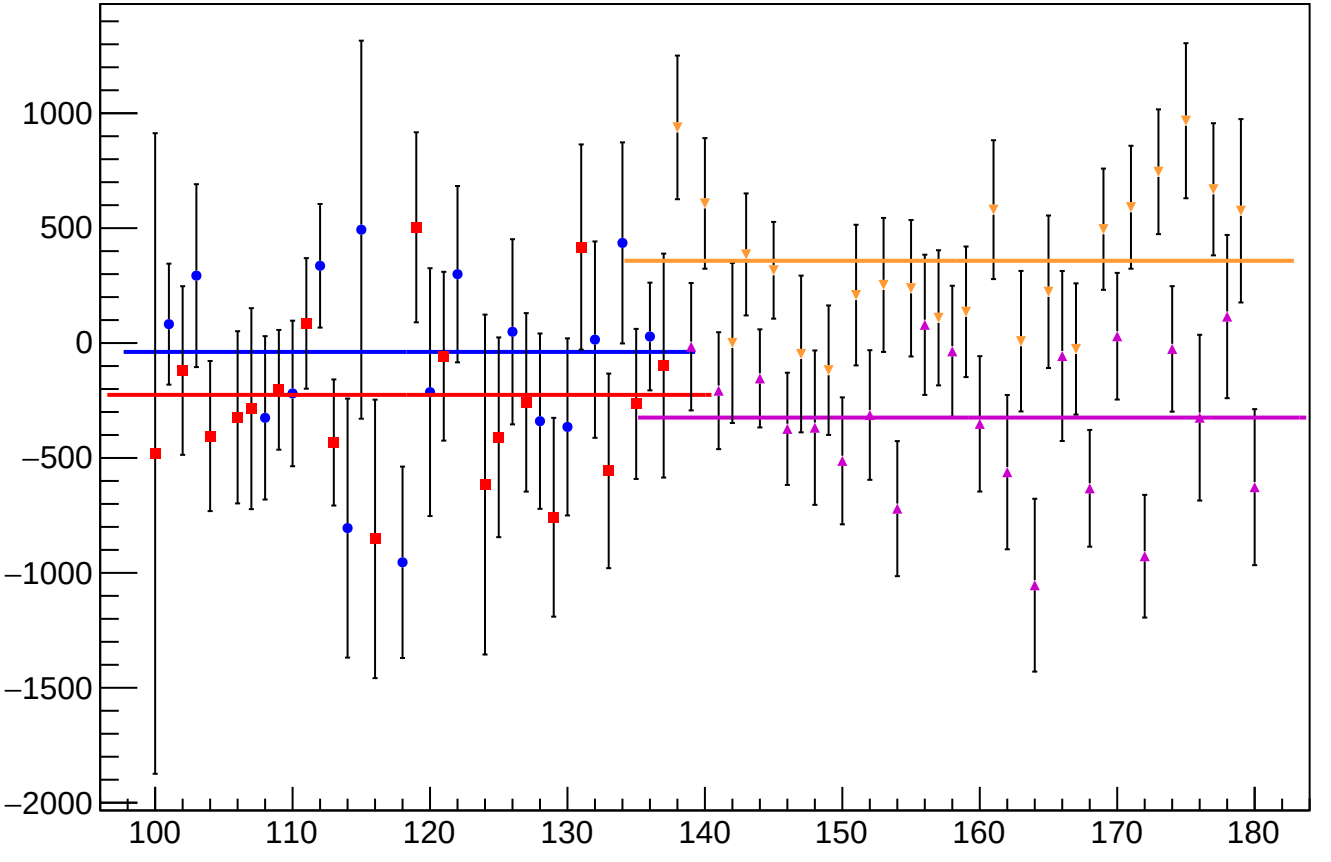
Left In: 1999.339+/-0.345 χ^2/NDF:701001.6/20

+ sign 2102.095+/-0.307 χ^2/NDF: 2122389.6/37

All: 2089.874+/-0.216 χ^2/NDF: 4123832.7/77

- 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: 357.926+/-62.175 χ^2/NDF:23.1/21

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

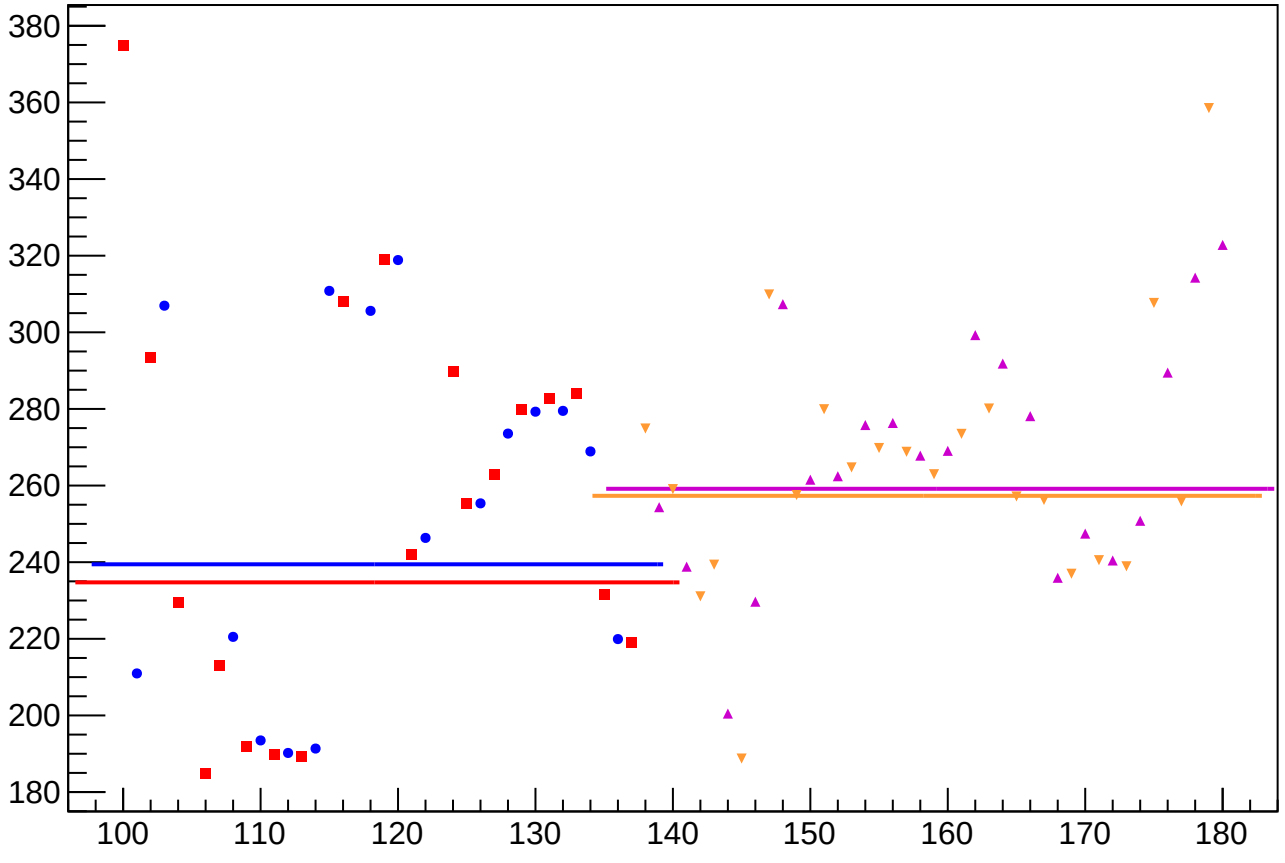
Left In: -324.282+/-63.052 χ^2/NDF:23.7/20

+ sign 231.032+/-51.268 χ^2/NDF: 50.6/37

All: -30.005+/-36.241 χ^2/NDF: 138.4/77

- 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: 257.325+/-0.044 χ^2/NDF:525454.3/21

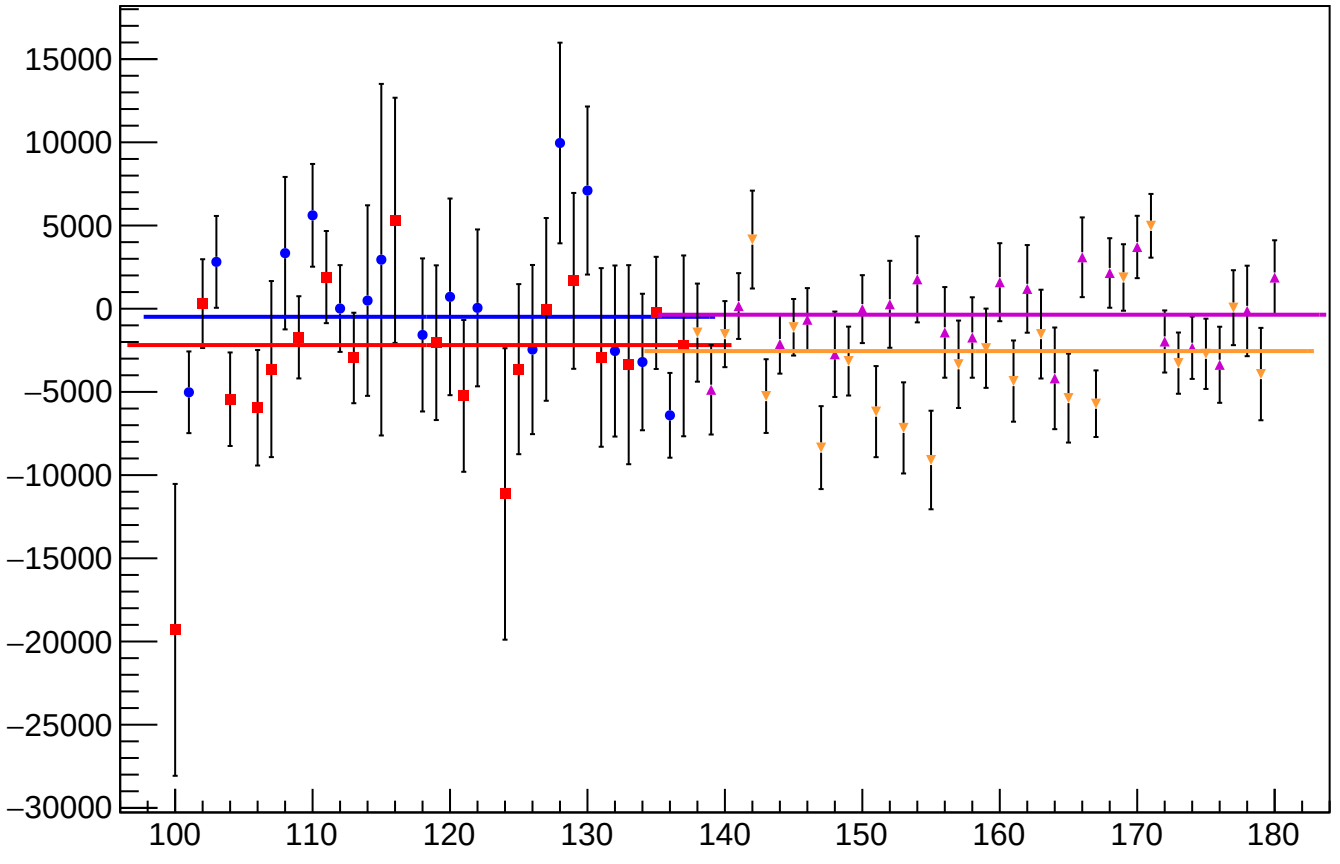
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 259.157+/-0.045 χ^2/NDF:465559.2/20

+ sign 251.603+/-0.036 χ^2/NDF: 979327.9/37

All: 251.232+/-0.026 χ^2/NDF: 2032255.3/77

- sign 250.862+/-0.036 χ^2/NDF: 1052718.2/39



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2546.549+/-488.036 χ^2/NDF:49.3/21

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

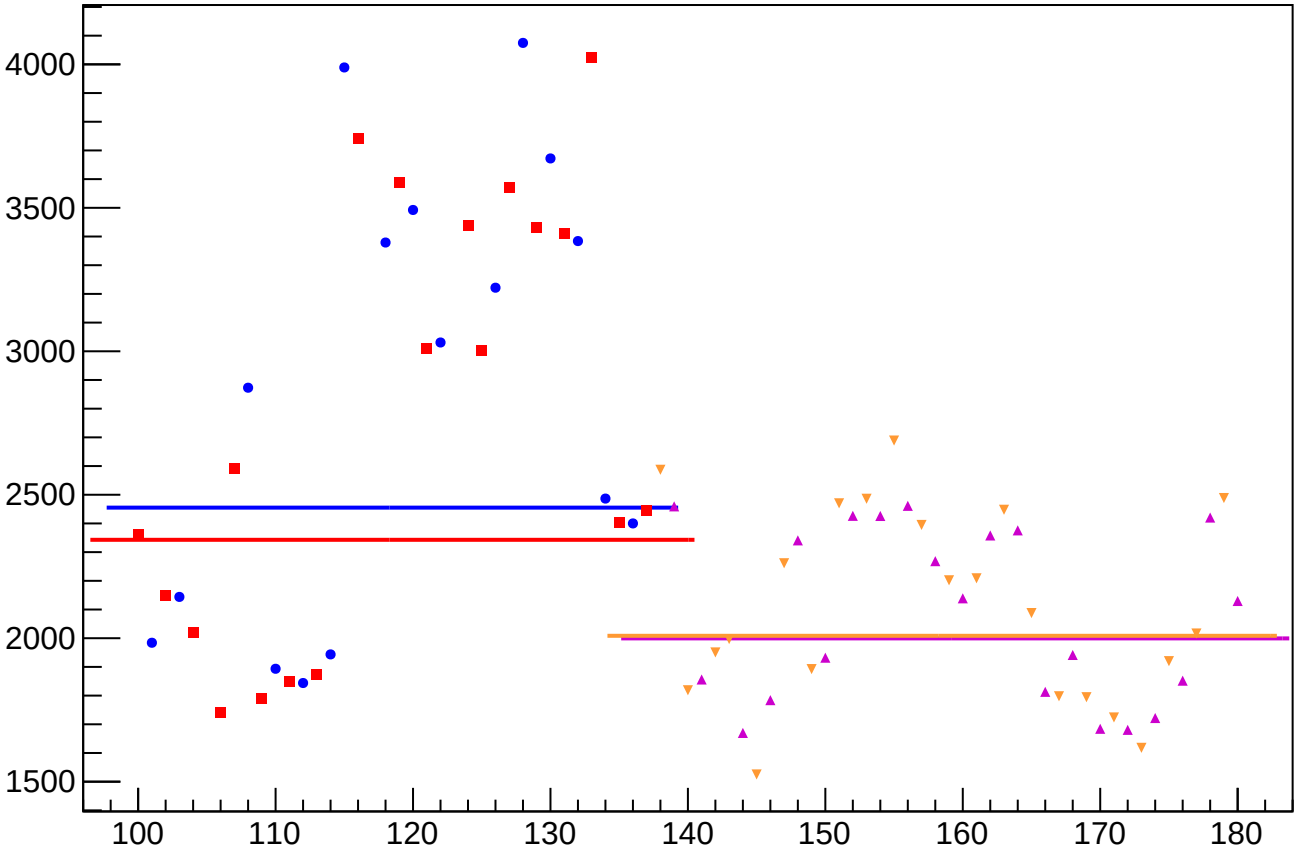
Left In: -360.549+/-487.940 χ^2/NDF:21.4/20

+ sign -2114.497+/-433.862 χ^2/NDF: 74.2/37

All: -1437.903+/-304.875 χ^2/NDF: 116.9/77

- 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: 2008.427+/-0.345 χ^2/NDF:876686.9/21

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

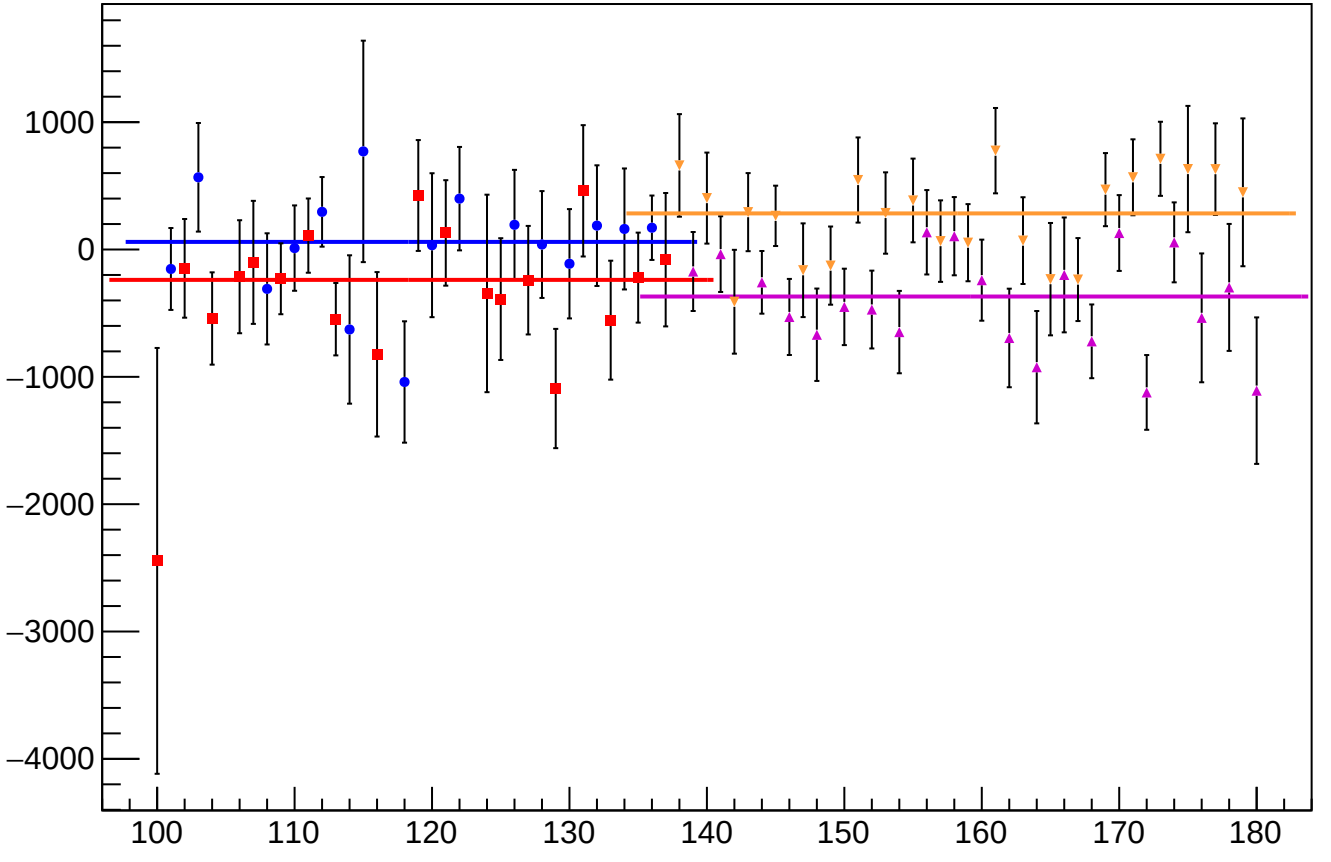
Left In: 1999.339+/-0.345 χ^2/NDF:701001.6/20

+ sign 2102.095+/-0.307 χ^2/NDF: 2122389.6/37

All: 2089.874+/-0.216 χ^2/NDF: 4123832.7/77

- sign 2077.953+/-0.303 χ^2/NDF: 1998308.4/39

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 283.462+/-71.226 χ^2/NDF:20.4/21

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

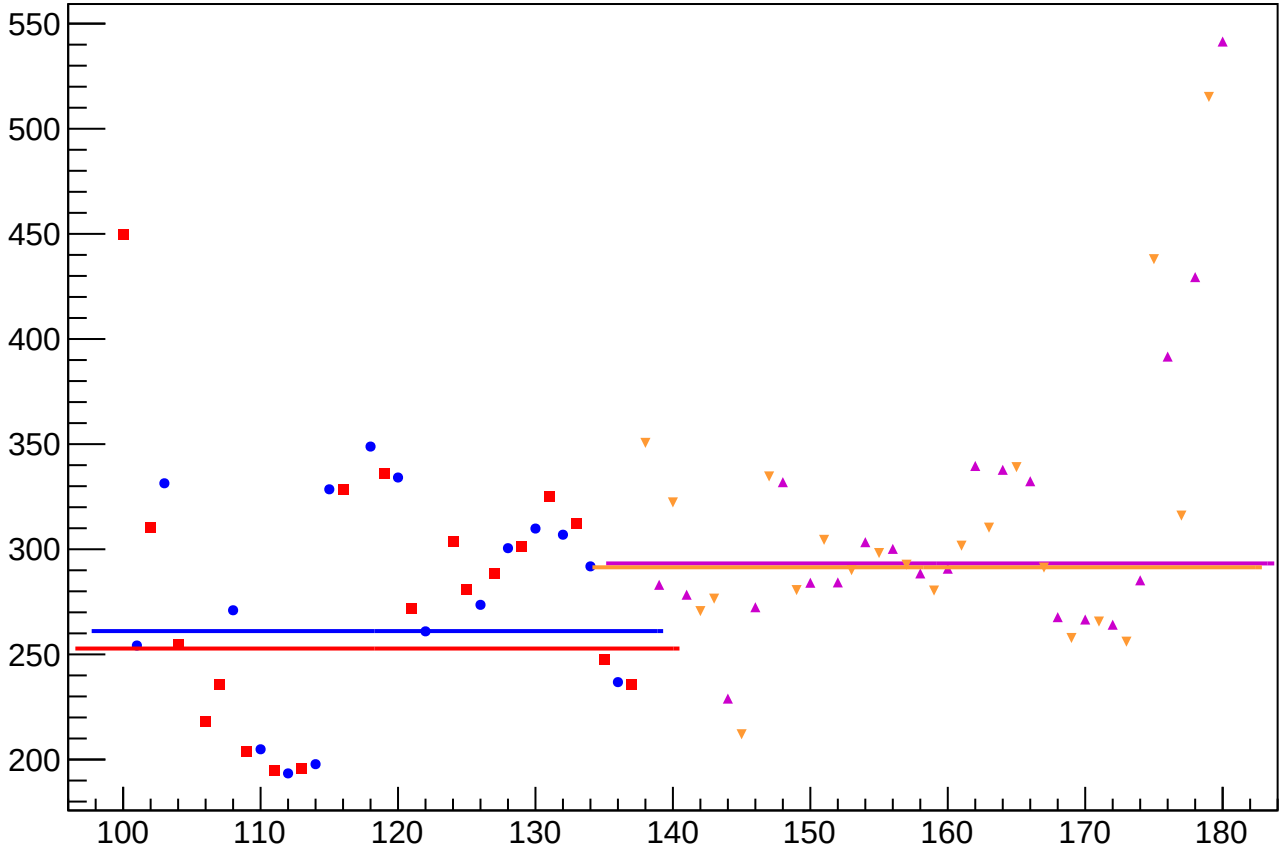
Left In: -369.223+/-72.430 χ^2/NDF:25.5/20

+ sign 207.385+/-57.863 χ^2/NDF: 35.7/37

All: -58.061+/-40.827 χ^2/NDF: 119.3/77

- 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: 291.420+/-0.050 χ^2/NDF:913500.3/21

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

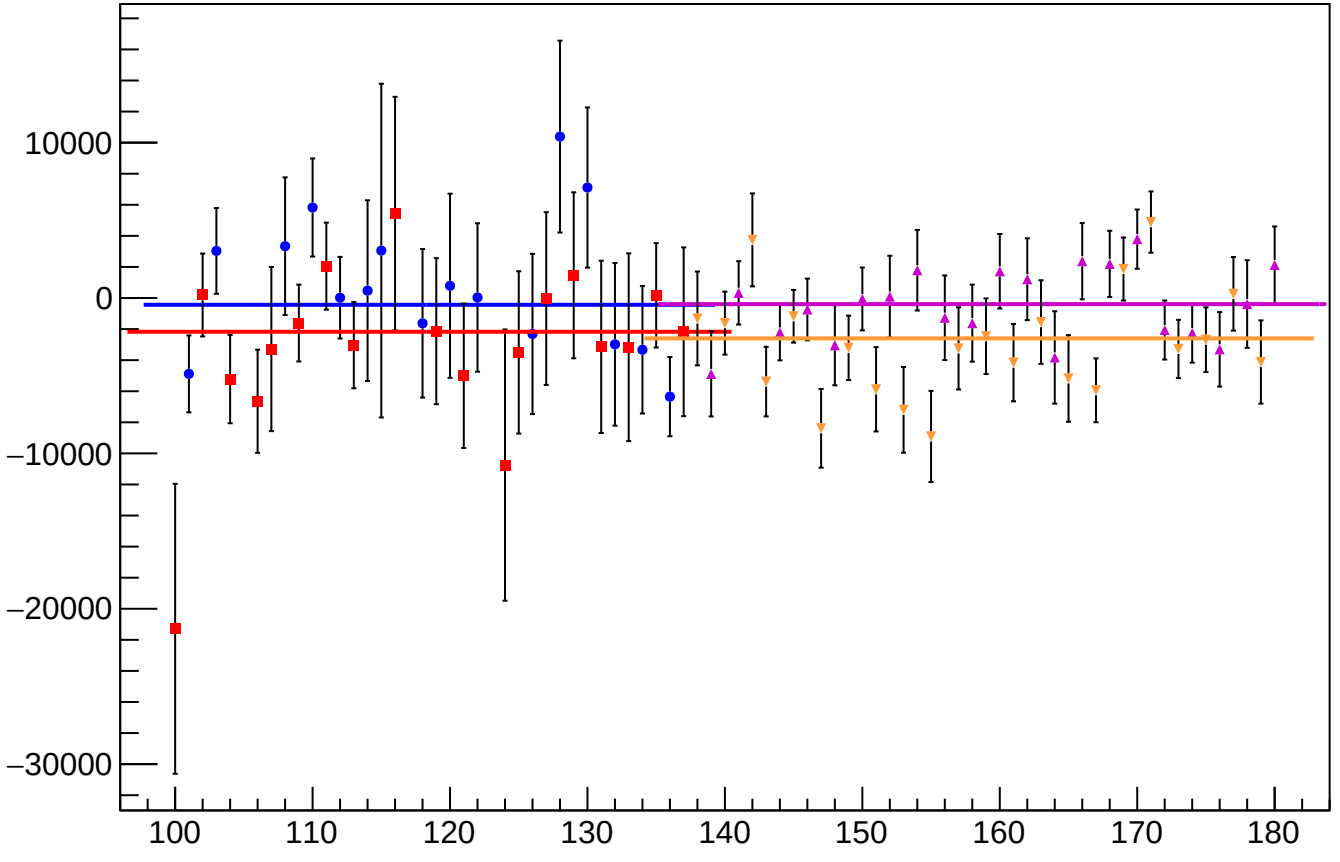
Left In: 293.262+/-0.051 χ^2/NDF:896977.3/20

\+ sign 281.106+/-0.041 χ^2/NDF: 1499482.7/37

All: 279.745+/-0.029 χ^2/NDF: 3165344.5/77

\- 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: -2598.044+/-494.163 χ^2/NDF:46.6/21

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

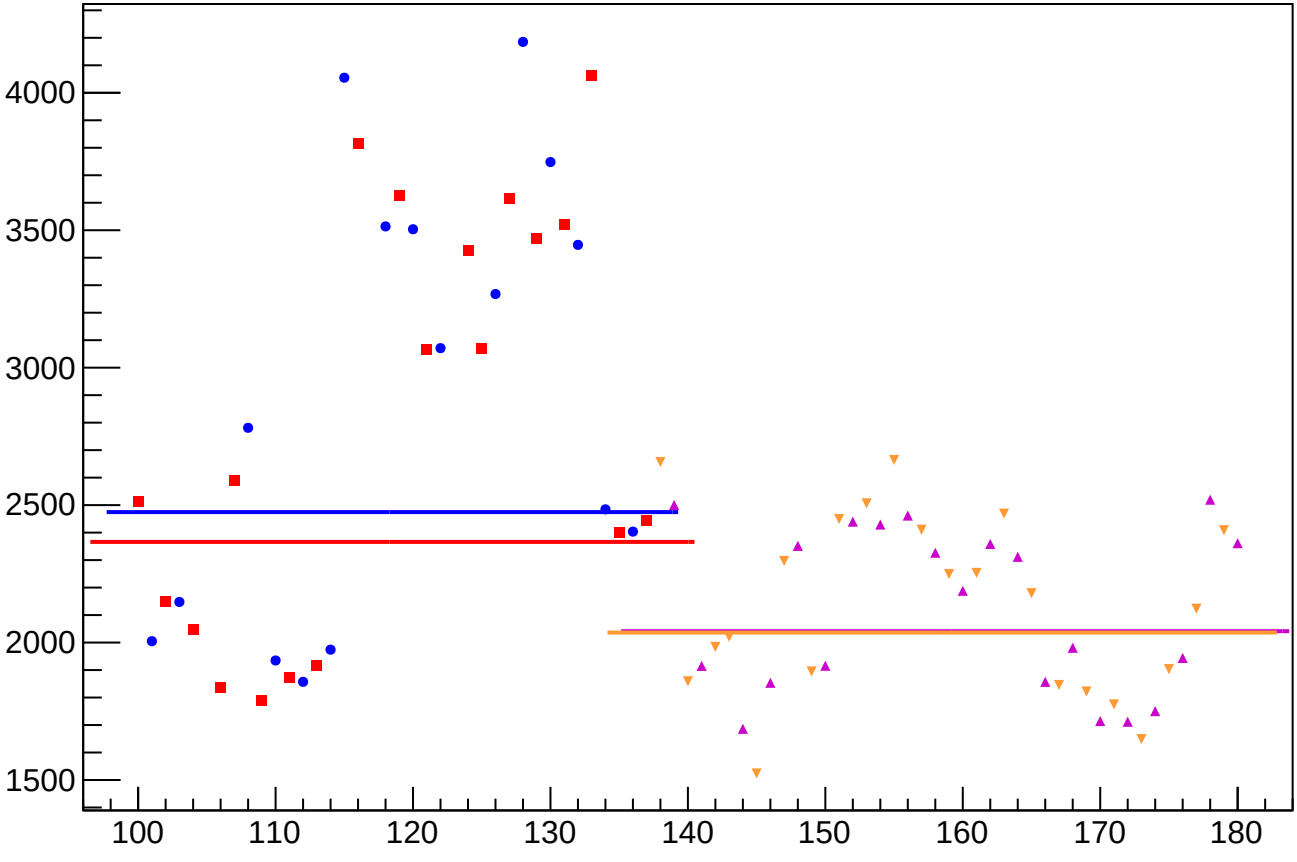
Left In: -392.939+/-498.067 χ^2/NDF:20.3/20

+ sign -2141.671+/-438.900 χ^2/NDF: 71.9/37

All: -1470.928+/-309.287 χ^2/NDF: 113.8/77

- 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: 2036.475+/-0.349 χ^2/NDF:846888.4/21

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

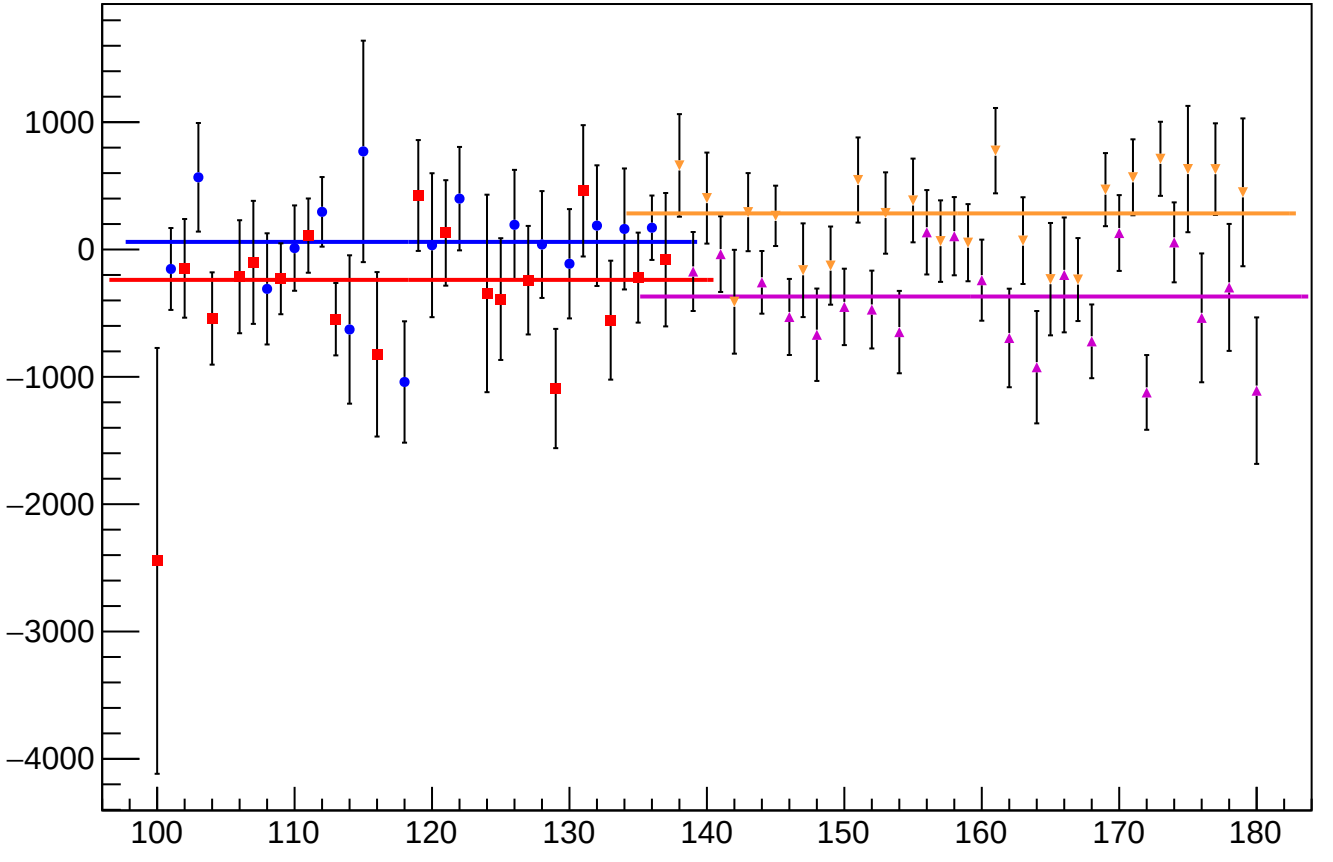
Left In: 2041.354+/-0.352 χ^2/NDF:687605.2/20

+ sign 2128.993+/-0.310 χ^2/NDF: 2095134.1/37

All: 2123.146+/-0.219 χ^2/NDF: 4059738.3/77

- 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: 283.466+/-71.226 χ^2/NDF:20.4/21

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

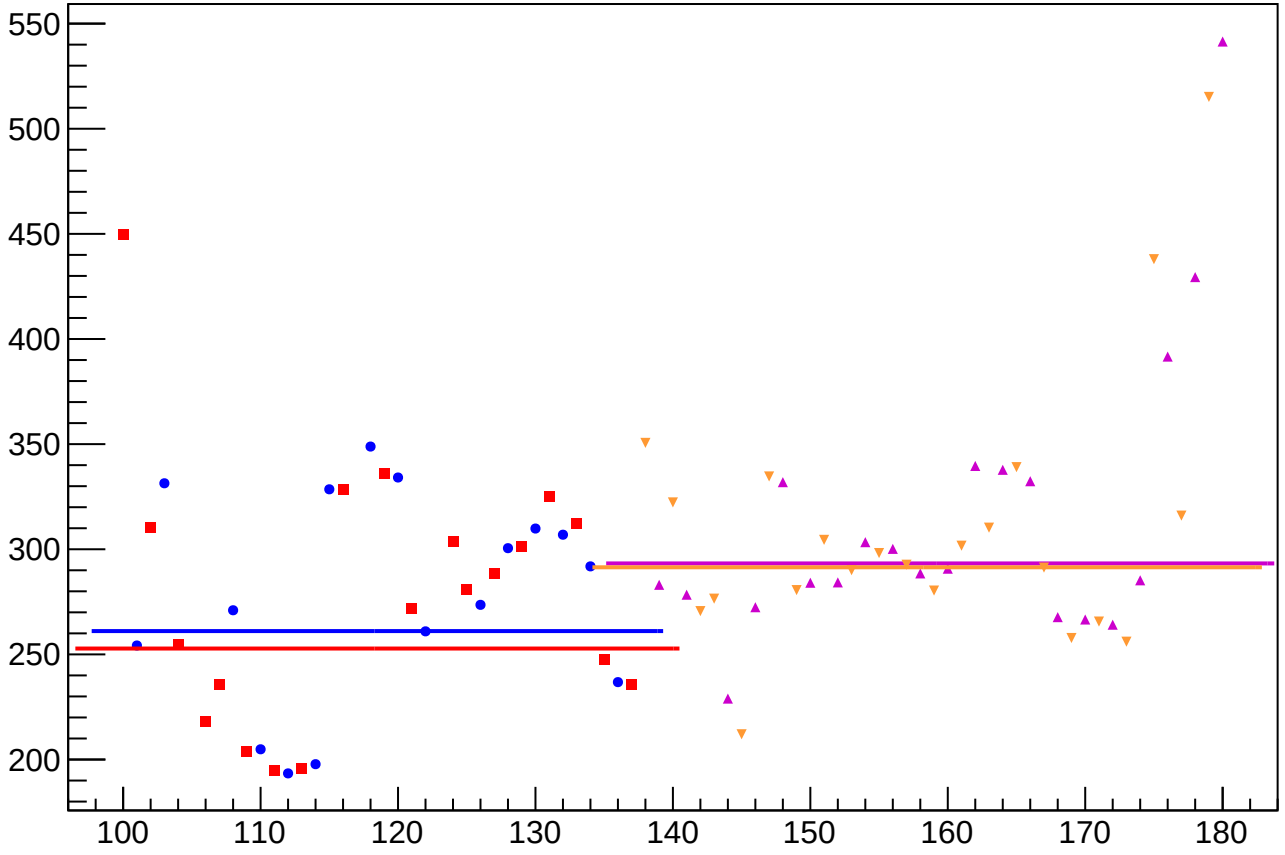
Left In: -369.224+/-72.430 χ^2/NDF:25.5/20

+ sign 207.390+/-57.863 χ^2/NDF: 35.7/37

All: -58.059+/-40.827 χ^2/NDF: 119.3/77

- 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: 291.420+/-0.050 χ^2/NDF:913500.8/21

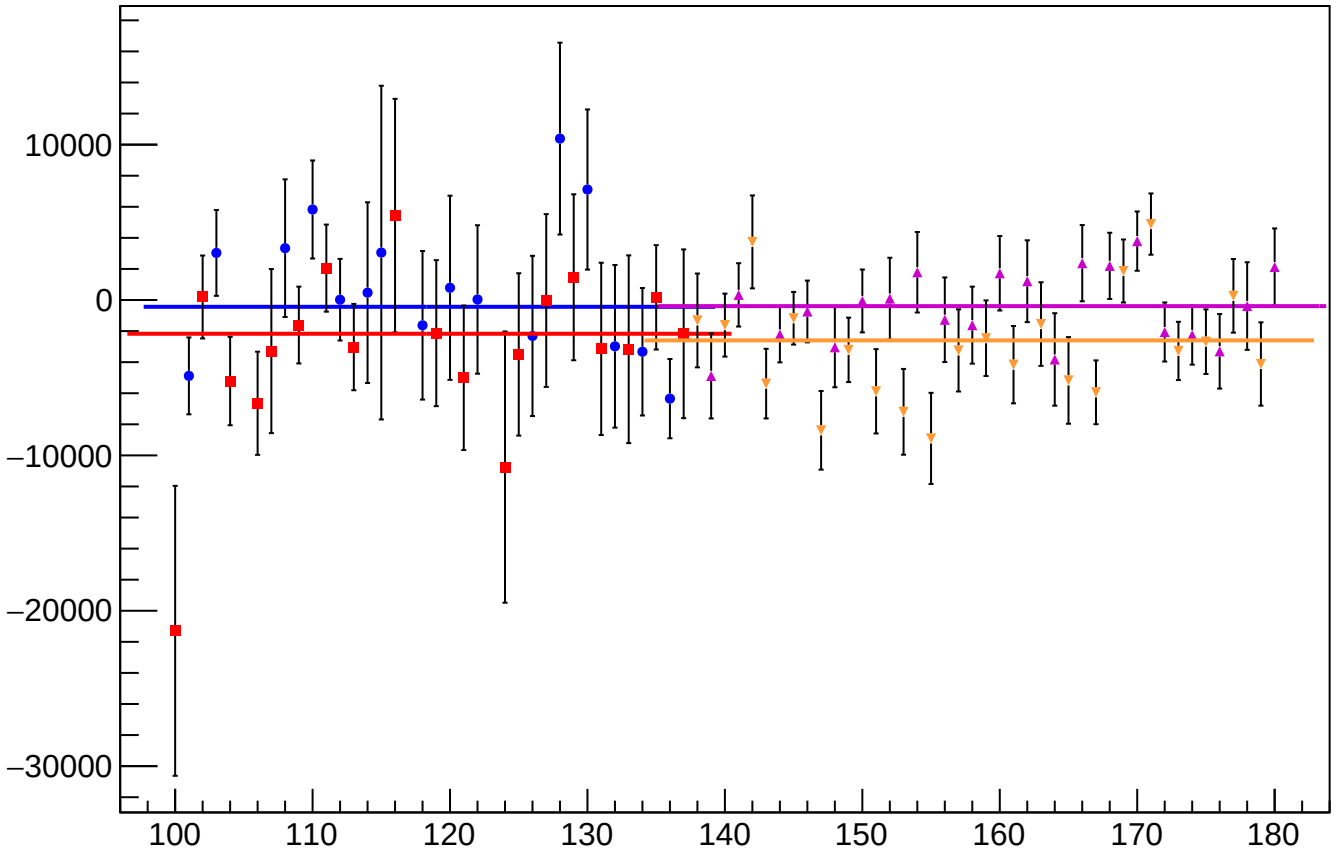
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 293.262+/-0.051 χ^2/NDF:896958.0/20

+ sign 281.106+/-0.041 χ^2/NDF: 1499488.1/37

All: 279.745+/-0.029 χ^2/NDF: 3165337.1/77

- sign 278.395+/-0.041 χ^2/NDF: 1663644.6/39



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2598.039+/-494.162 χ^2/NDF:46.6/21

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

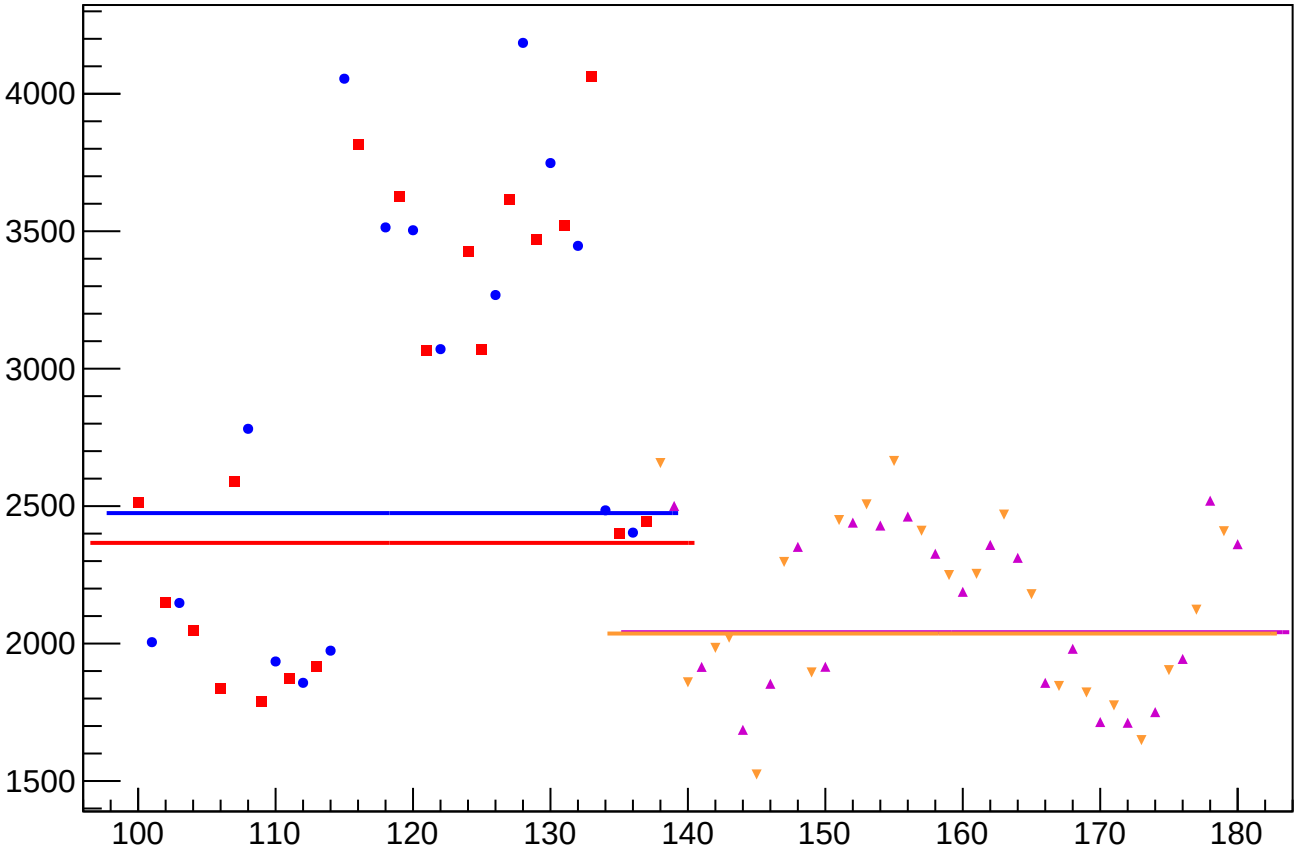
Left In: -392.936+/-498.067 χ^2/NDF:20.3/20

+ sign -2141.667+/-438.900 χ^2/NDF: 71.9/37

All: -1470.924+/-309.287 χ^2/NDF: 113.8/77

- 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: 2036.472+/-0.349 χ^2/NDF:846890.6/21

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

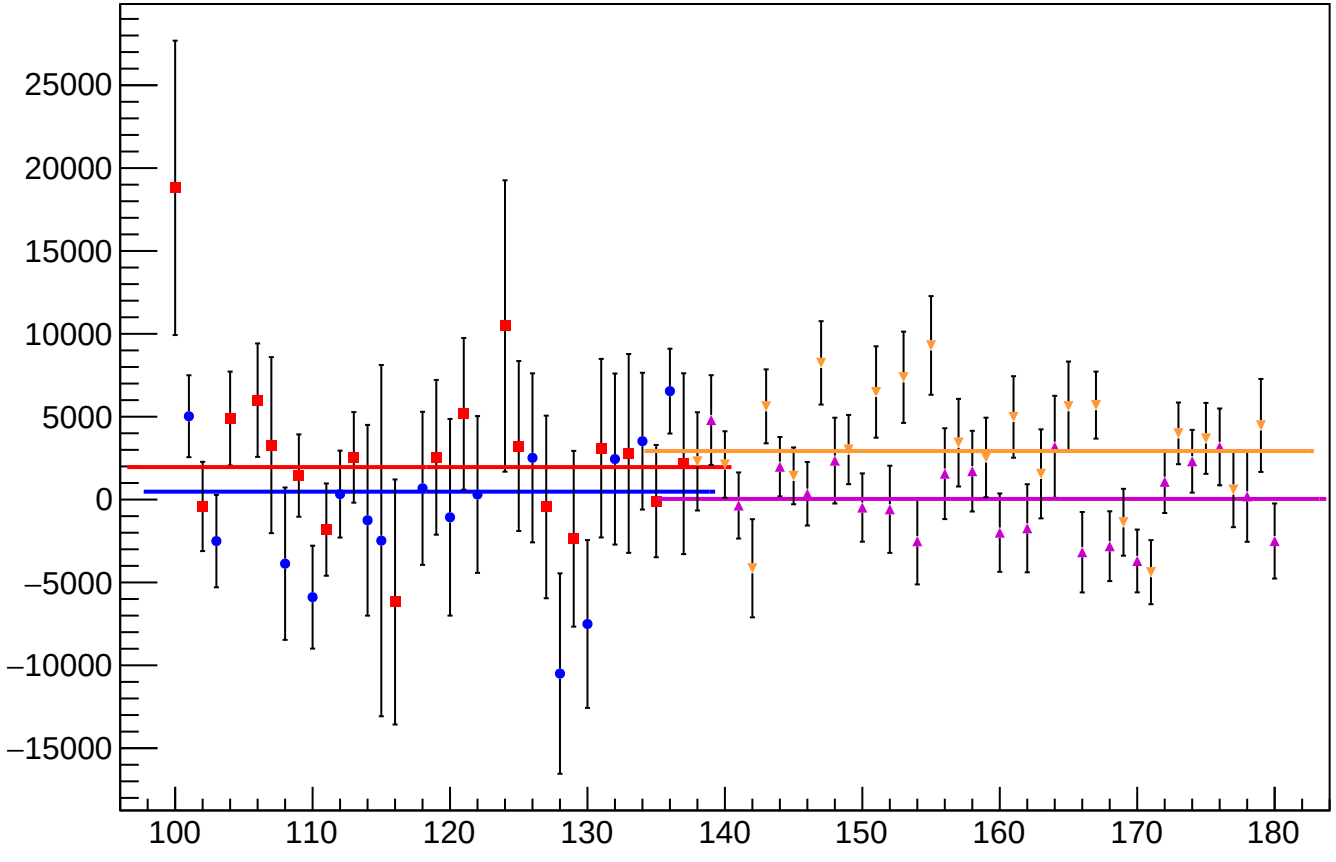
Left In: 2041.351+/-0.352 χ^2/NDF:687603.3/20

+ sign 2128.990+/-0.310 χ^2/NDF: 2095142.3/37

All: 2123.143+/-0.219 χ^2/NDF: 4059748.9/77

- 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: 2928.985+/-492.289 χ^2/NDF:46.0/21

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

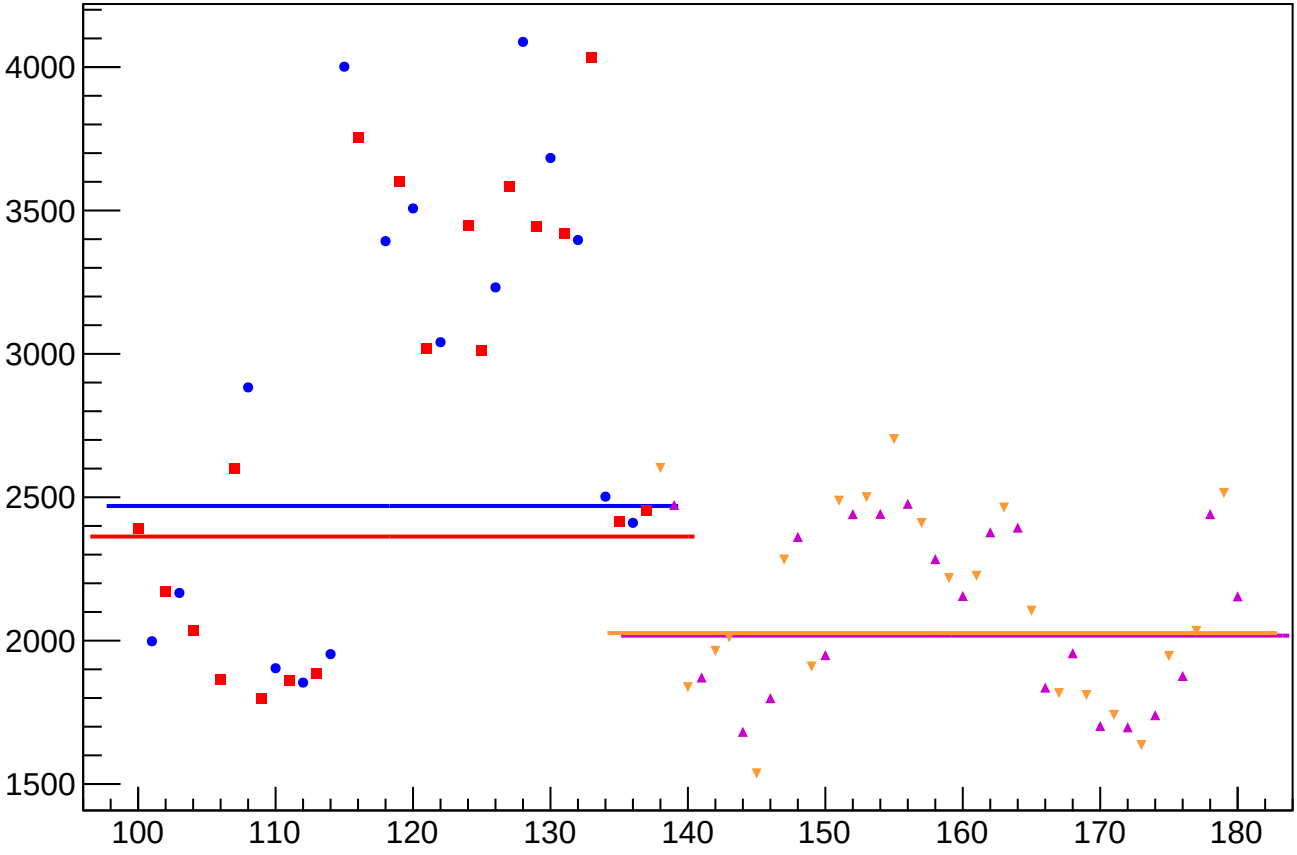
Left In: 39.539+/-492.298 χ^2/NDF:21.6/20

+ sign 2412.357+/-437.356 χ^2/NDF: 73.4/37

All: 1434.964+/-307.300 χ^2/NDF: 121.1/77

- 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: 2026.382+/-0.348 χ^2/NDF:865656.2/21

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

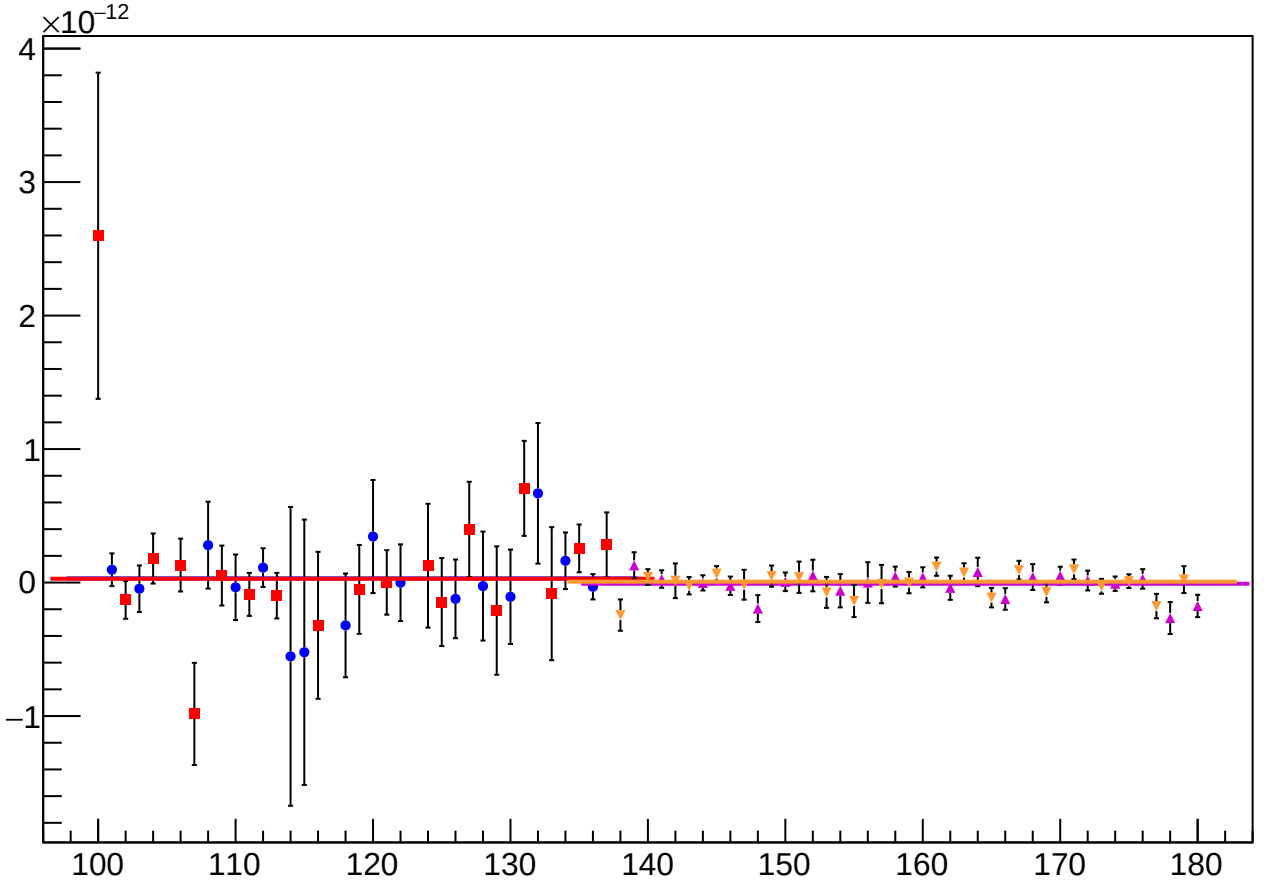
Left In: 2017.567+/-0.348 χ^2/NDF:690843.5/20

+ sign 2119.786+/-0.309 χ^2/NDF: 2093507.8/37

All: 2108.337+/-0.217 χ^2/NDF: 4057362.1/77

- 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:23.4/21

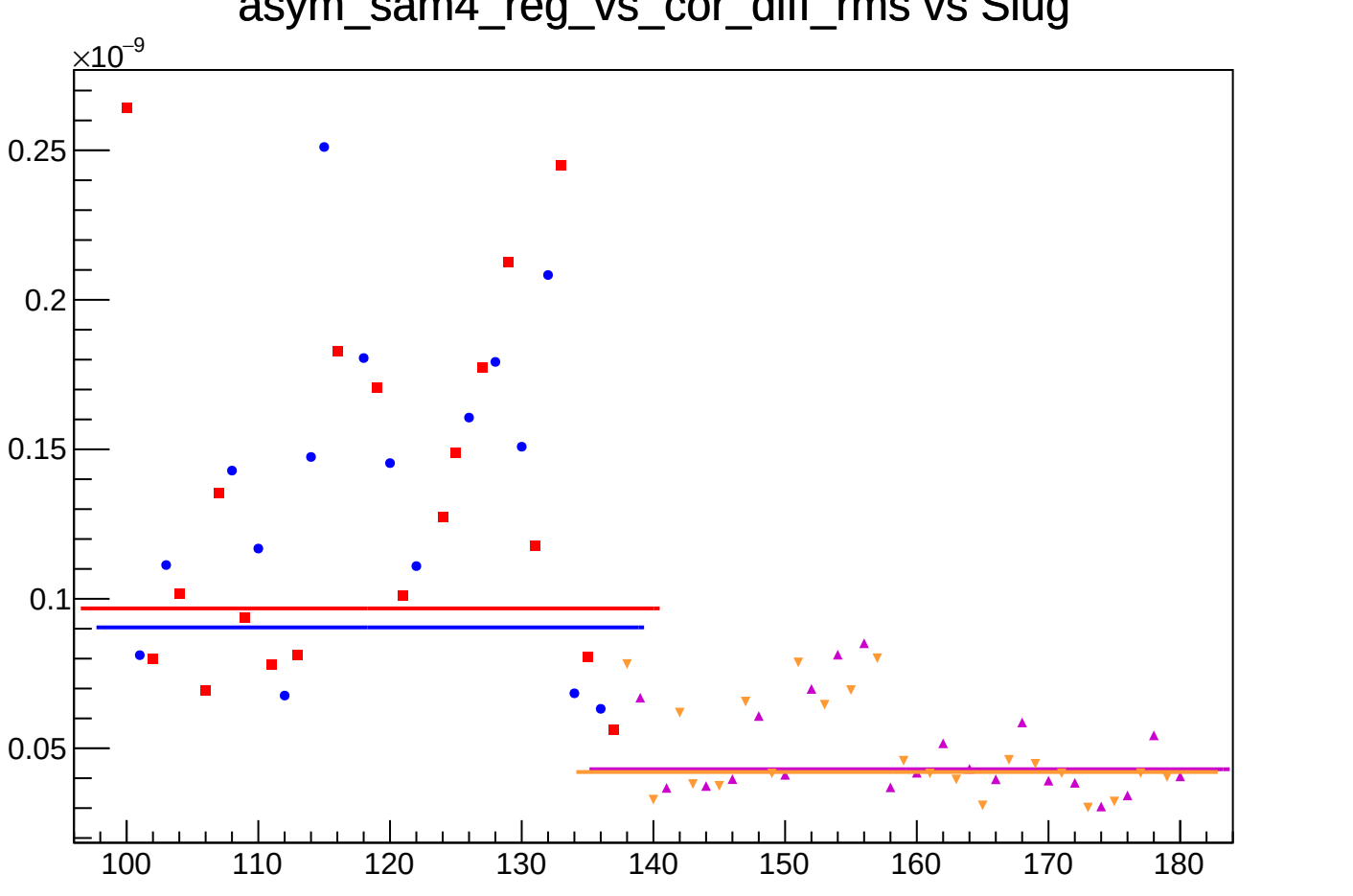
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 29.7/37

All: 0.000+/-0.000 χ^2/NDF: 73.6/77

- sign -0.000+/-0.000 χ^2/NDF: 43.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1137320.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

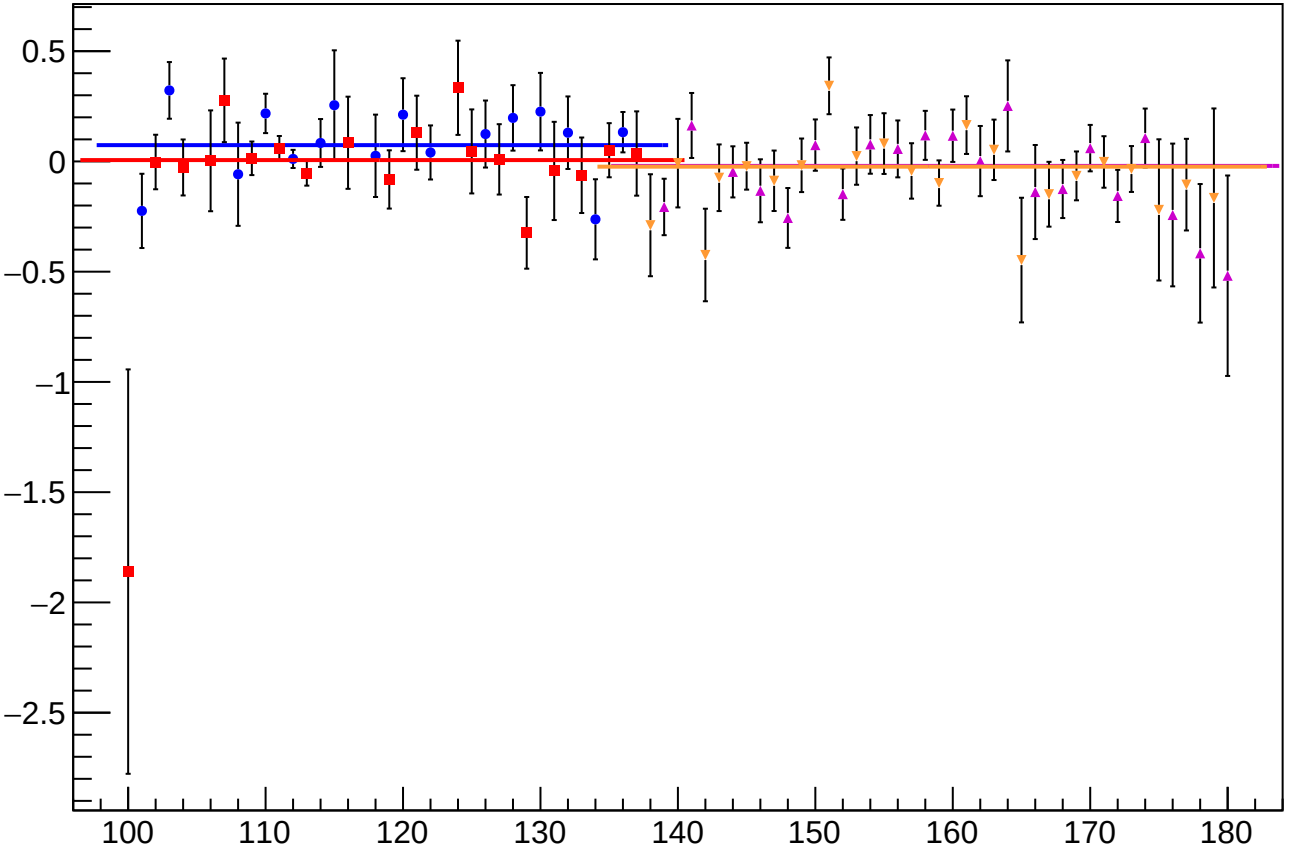
Left In: 0.000+/-0.000 χ^2/NDF:926012.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 3606214.8/37

All: 0.000+/-0.000 χ^2/NDF: 7077371.0/77

- sign 0.000+/-0.000 χ^2/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:20.9/21

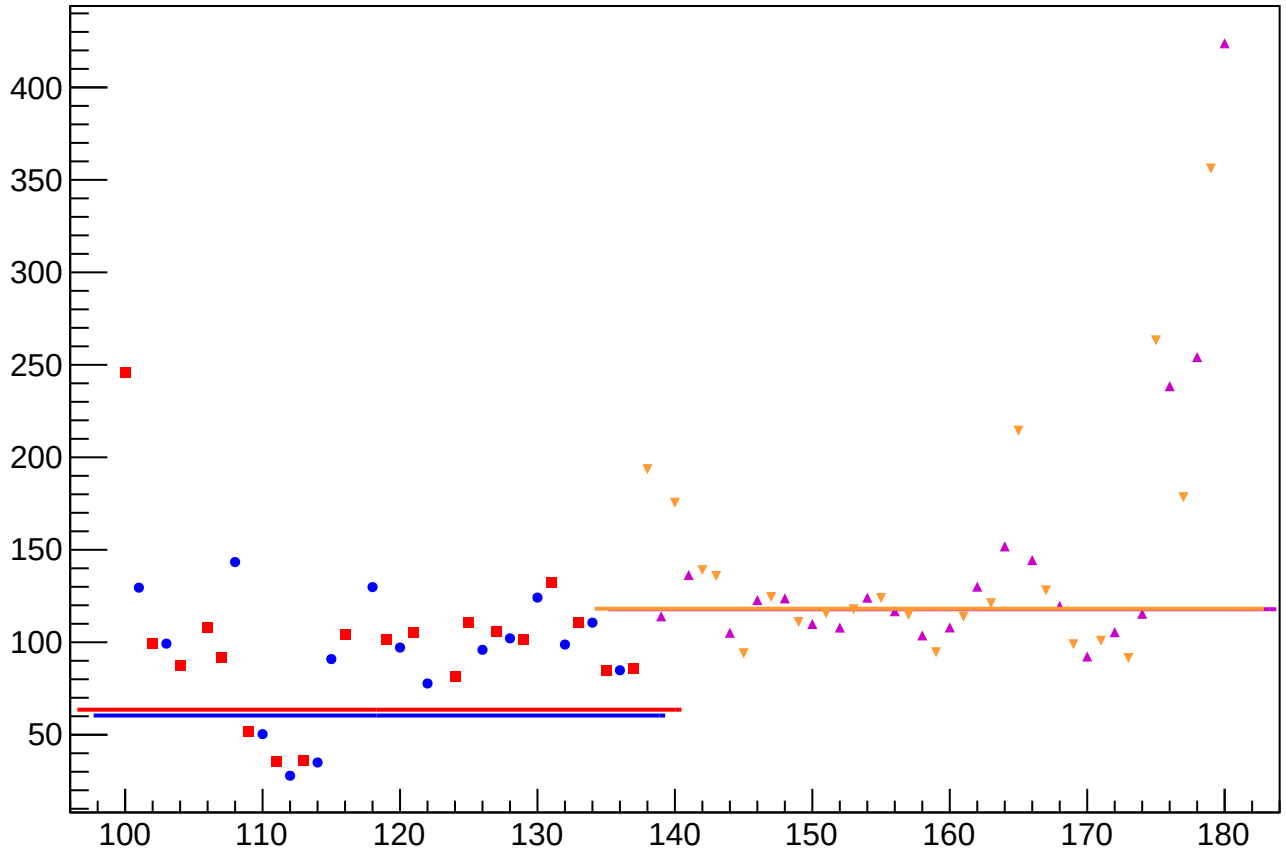
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.020+/-0.030 χ^2/NDF:21.8/20

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/37

All: 0.012+/-0.014 χ^2/NDF: 85.9/77

- sign -0.005+/-0.020 χ^2/NDF: 38.6/39



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.152+/-0.021 χ^2/NDF:2393476.6/21

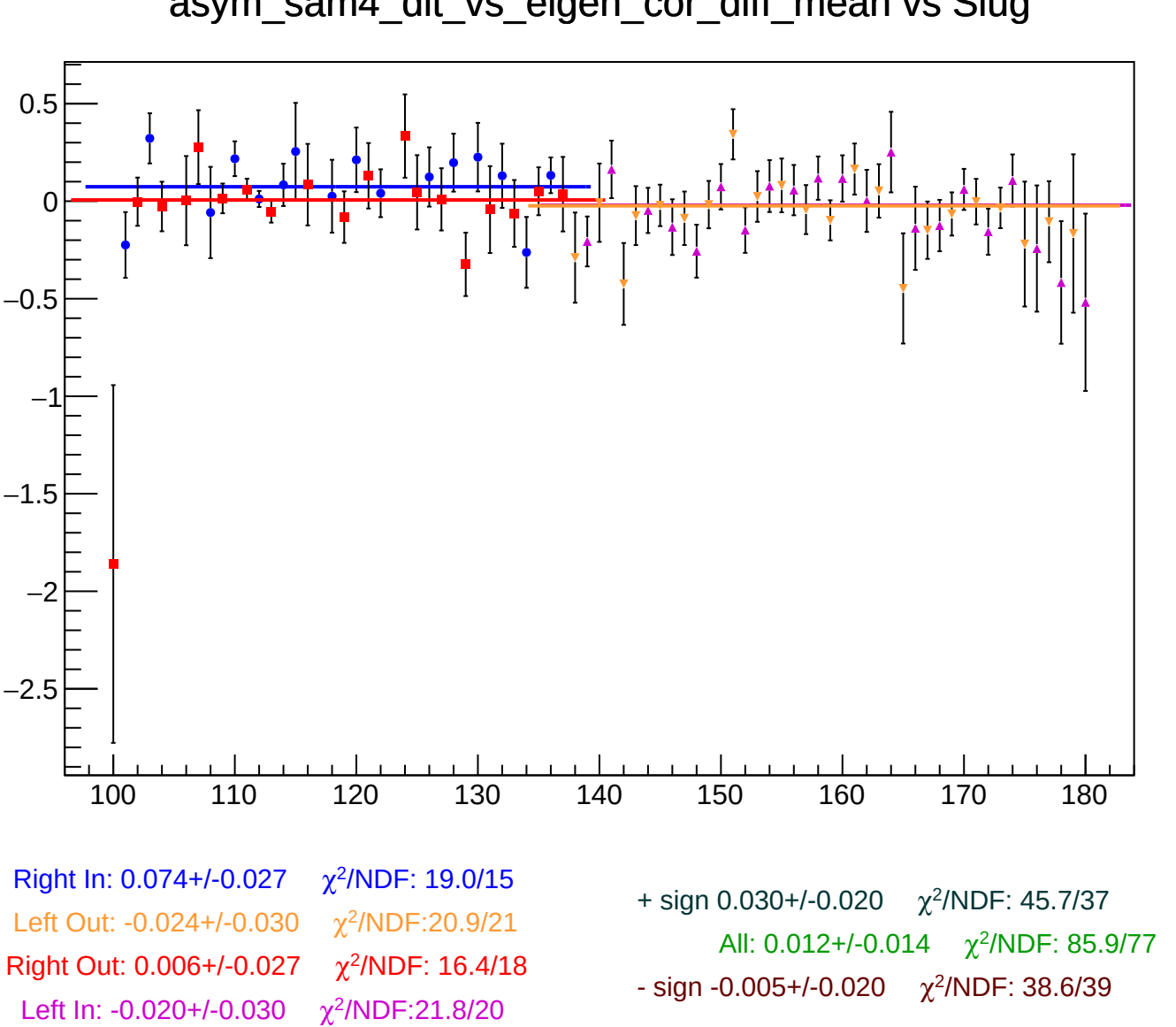
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.888+/-0.021 χ^2/NDF:1936084.7/20

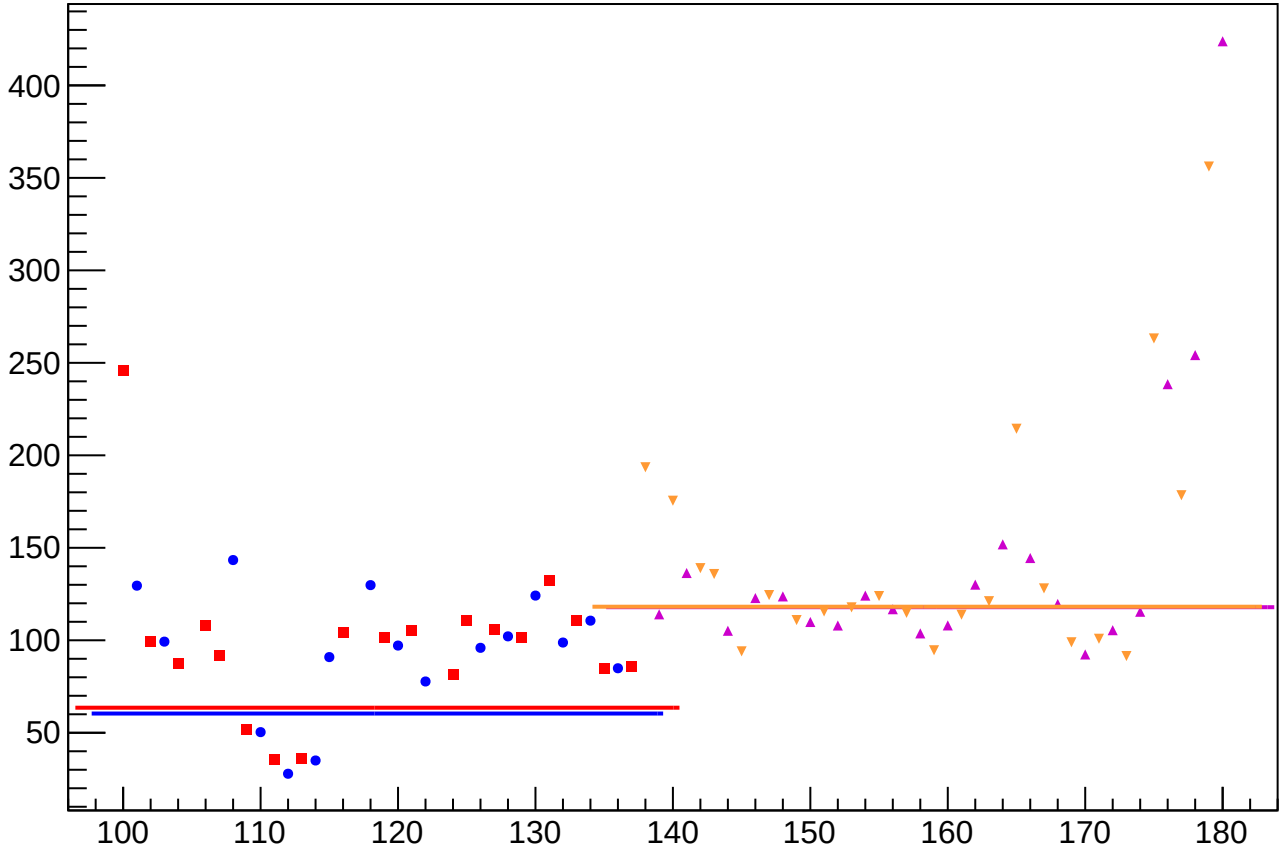
+ sign 86.198+/-0.014 χ^2/NDF: 10015149.5/37

All: 86.793+/-0.010 χ^2/NDF: 18207472.8/77

- sign 87.389+/-0.014 χ^2/NDF: 8188809.2/39


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.024+/-0.030 χ²/NDF:20.9/21
Right Out: 0.006+/-0.027 χ²/NDF: 16.4/18
Left In: -0.020+/-0.030 χ²/NDF:21.8/20
+ sign 0.030+/-0.020 χ²/NDF: 45.7/37
All: 0.012+/-0.014 χ²/NDF: 85.9/77
- sign -0.005+/-0.020 χ²/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: 118.152+/-0.021 χ^2/NDF:2393476.6/21

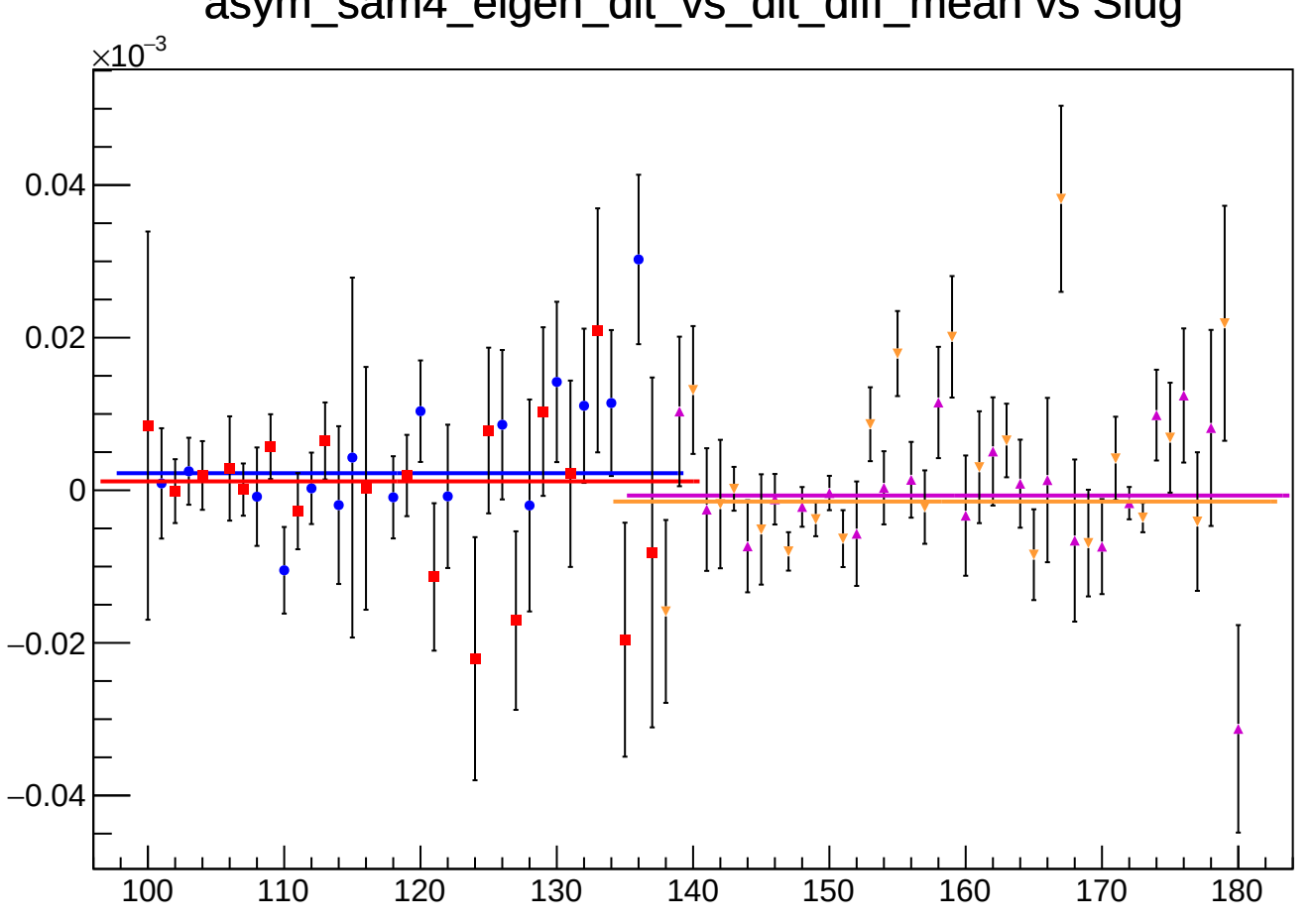
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.888+/-0.021 χ^2/NDF:1936084.7/20

\+ sign 86.198+/-0.014 χ^2/NDF: 10015149.5/37

All: 86.793+/-0.010 χ^2/NDF: 18207472.8/77

\- 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:60.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

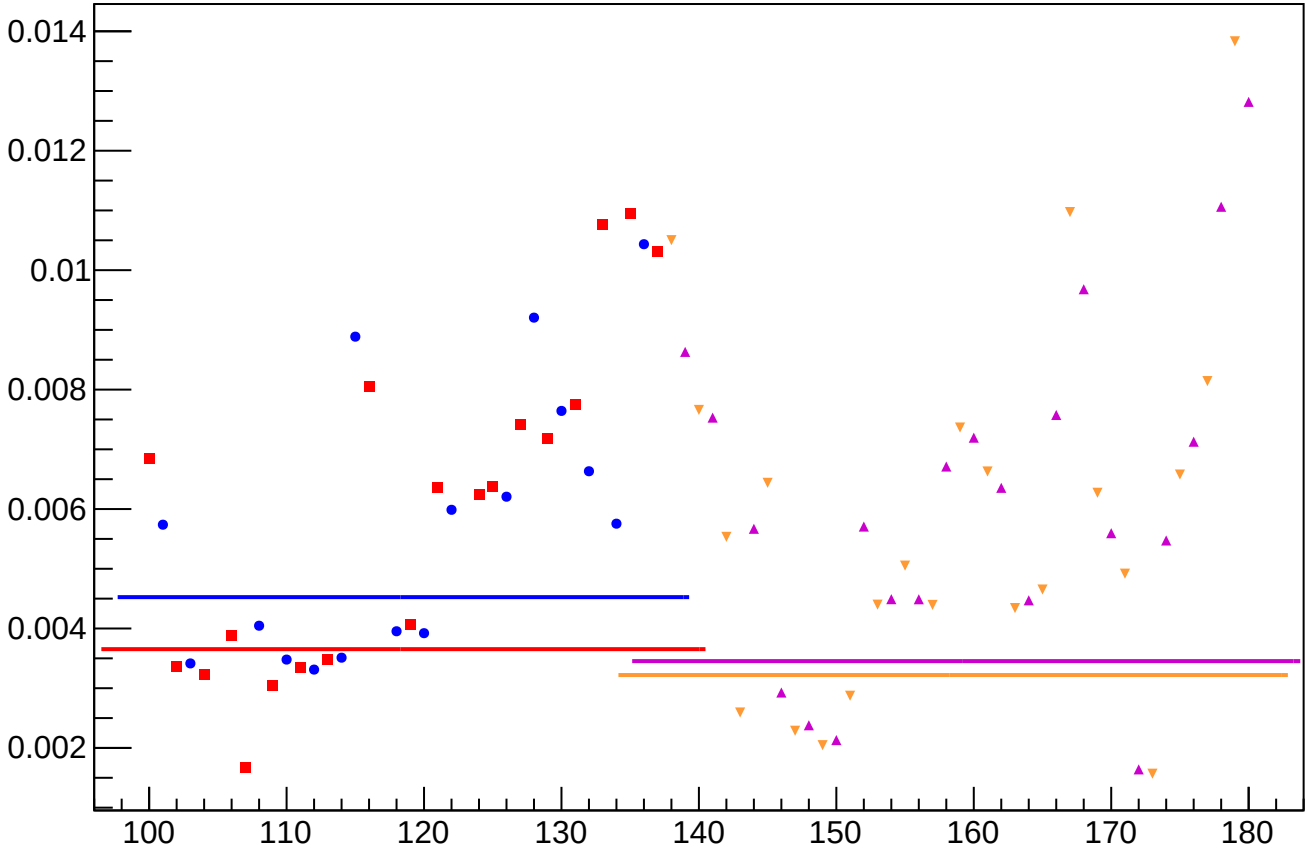
Left In: -0.000+/-0.000 χ^2/NDF:19.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 80.9/37

All: -0.000+/-0.000 χ^2/NDF: 116.3/77

- 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:9256218.1/21

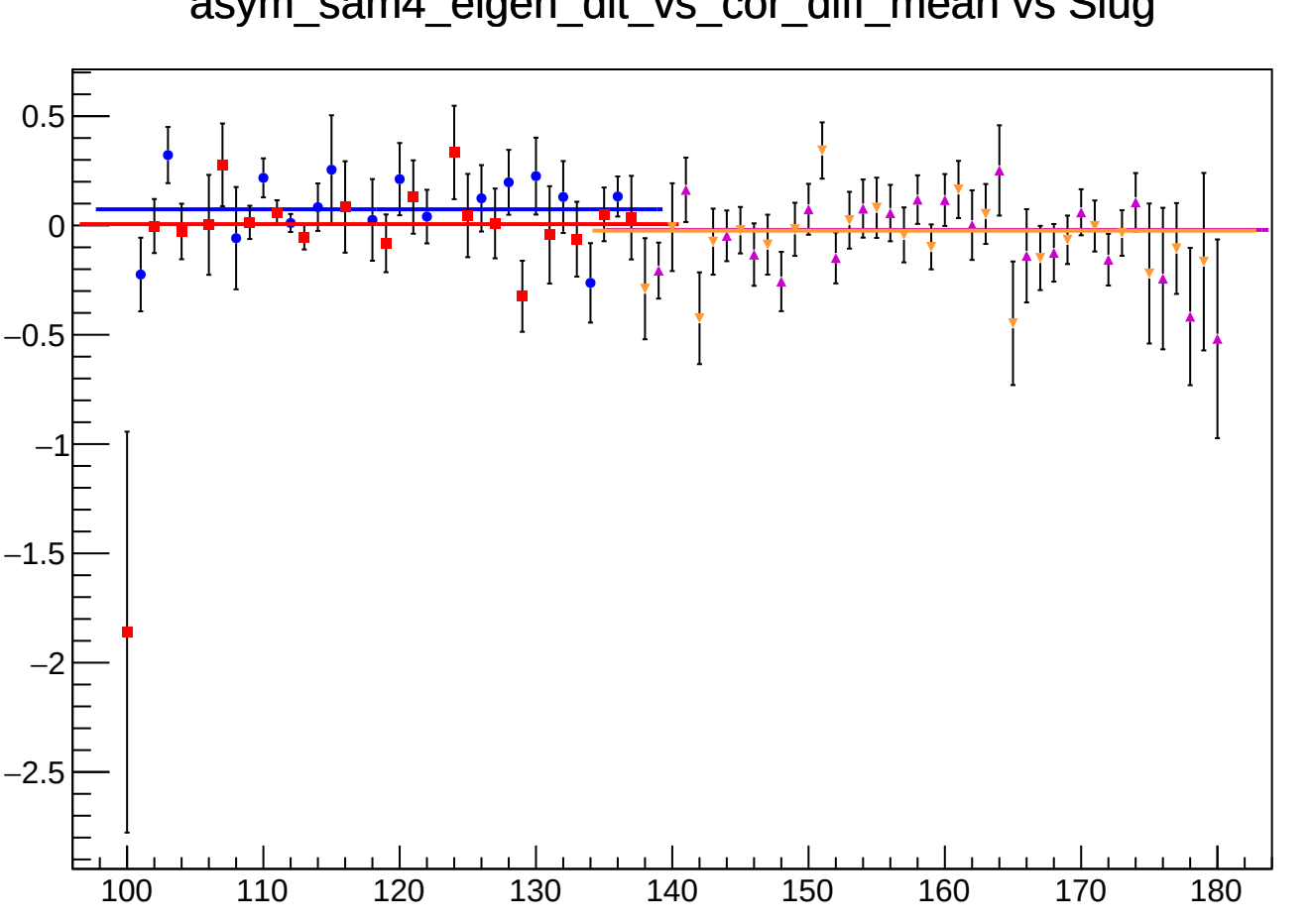
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:8976127.7/20

+ sign 0.003+/-0.000 χ^2/NDF: 11803525.2/37

All: 0.004+/-0.000 χ^2/NDF: 23738836.5/77

- 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:20.9/21

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

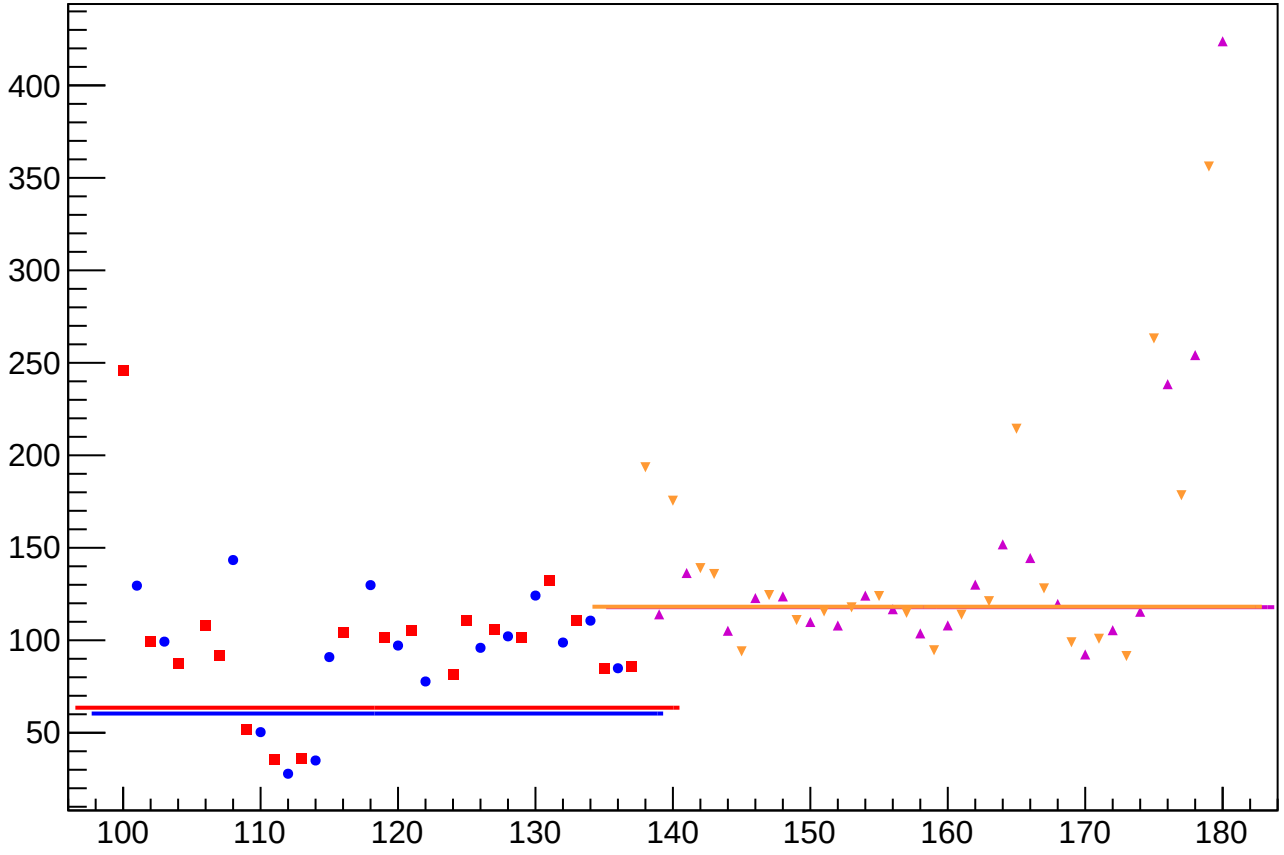
Left In: -0.020+/-0.030 χ^2/NDF:21.8/20

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/37

All: 0.012+/-0.014 χ^2/NDF: 85.9/77

- 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: 118.153+/-0.021 χ^2/NDF:2393434.0/21

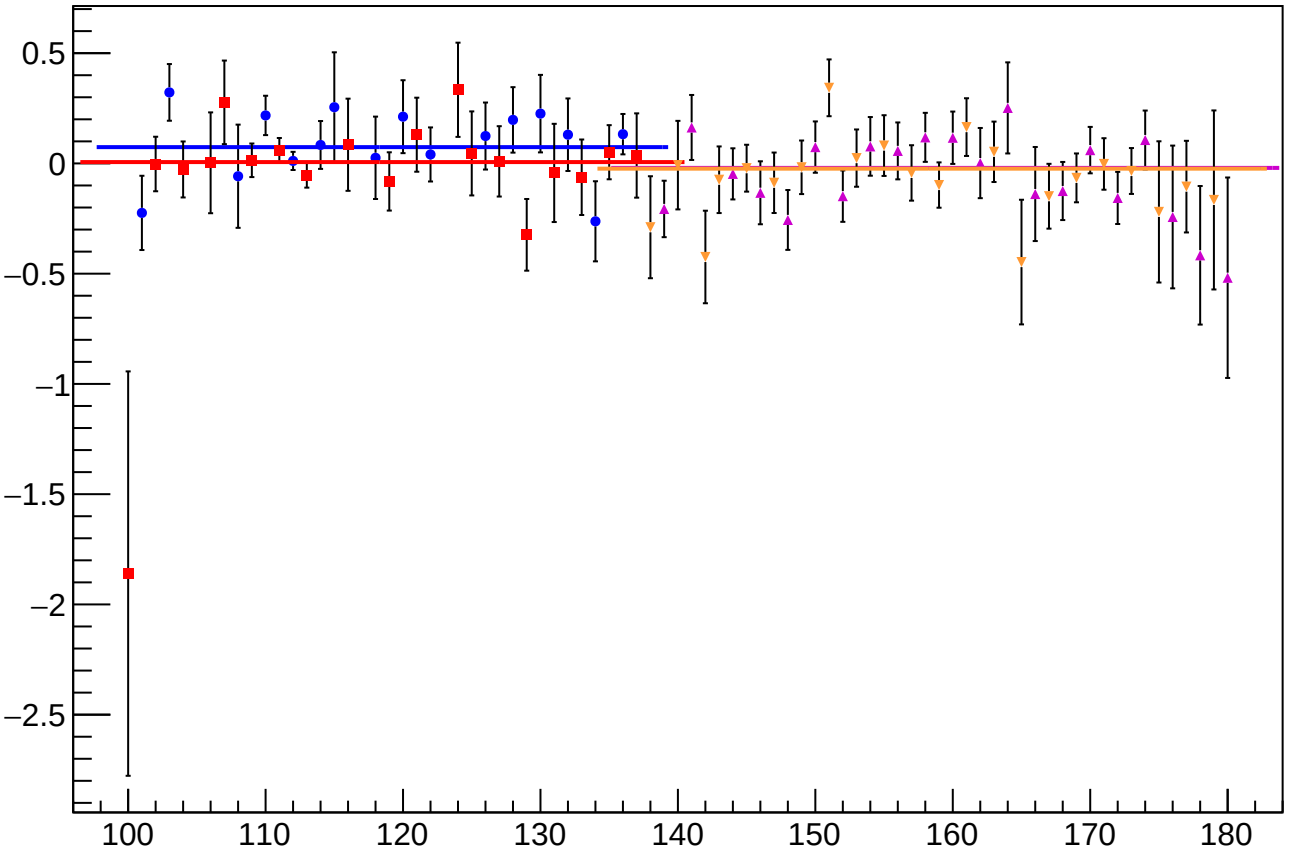
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.889+/-0.021 χ^2/NDF:1936026.5/20

+ sign 86.196+/-0.014 χ^2/NDF: 10015841.8/37

All: 86.792+/-0.010 χ^2/NDF: 18208766.1/77

- 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:20.9/21

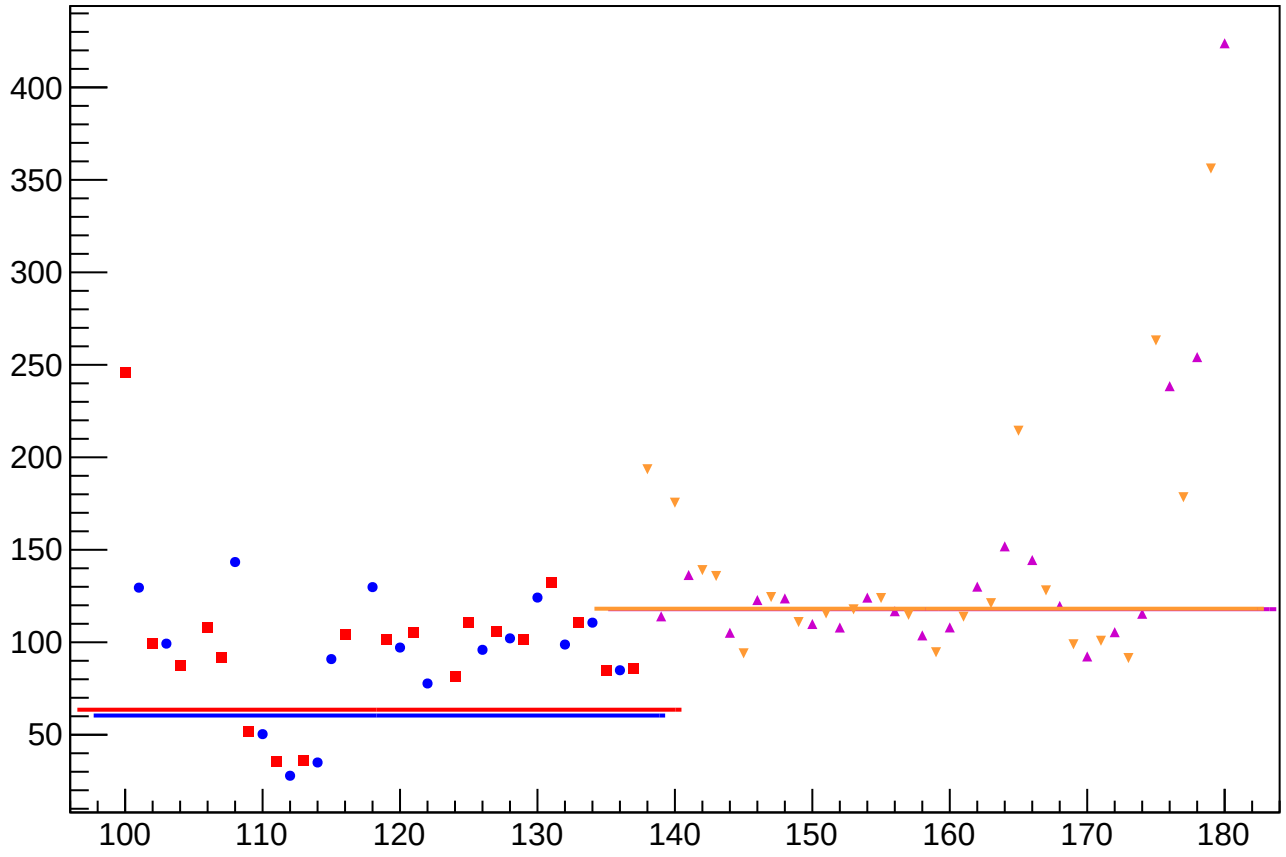
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.020+/-0.030 χ^2/NDF:21.8/20

+ sign 0.030+/-0.020 χ^2/NDF: 45.7/37

All: 0.012+/-0.014 χ^2/NDF: 85.9/77

- sign -0.005+/-0.020 χ^2/NDF: 38.6/39



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.153+/-0.021 χ^2/NDF:2393434.0/21

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

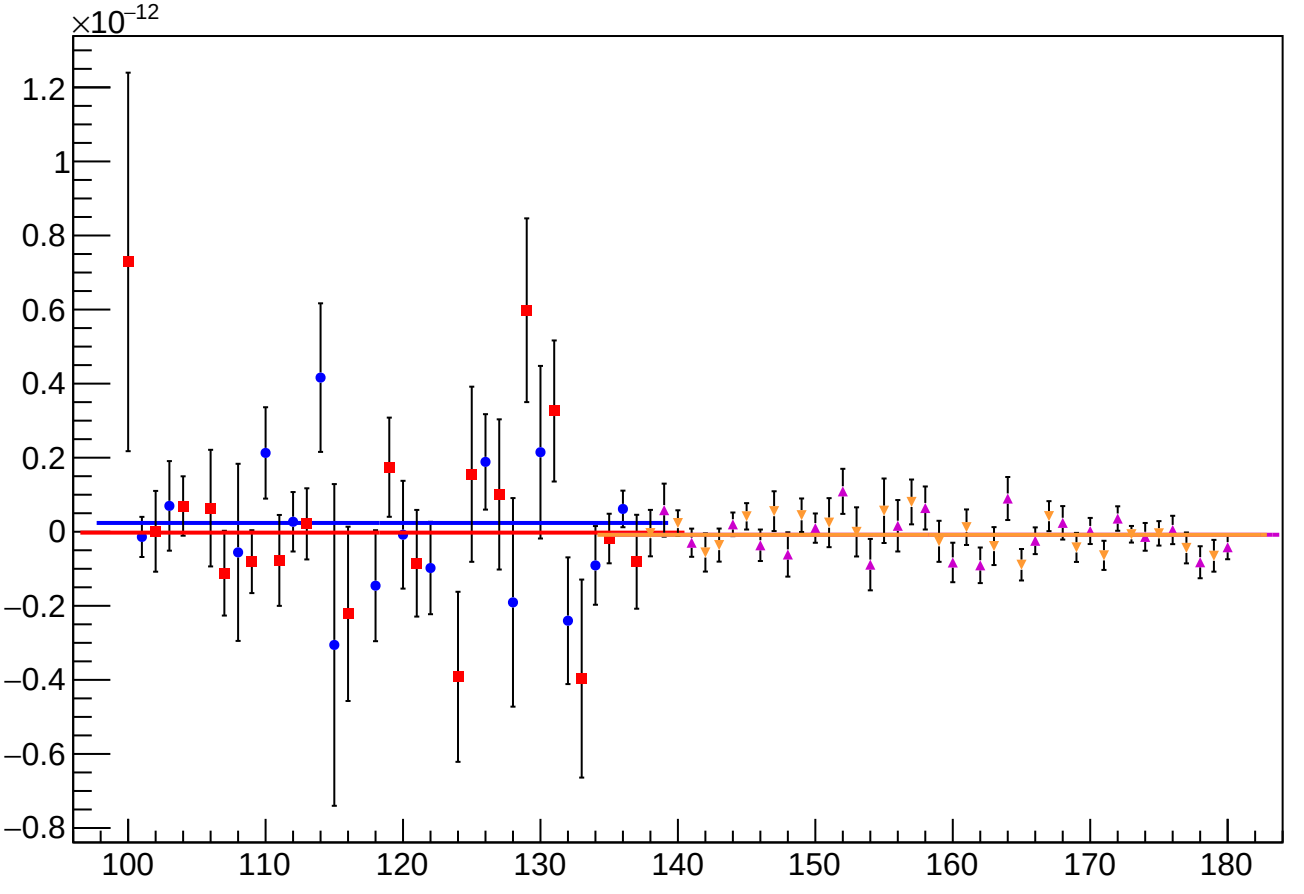
Left In: 117.889+/-0.021 χ^2/NDF:1936026.5/20

+ sign 86.196+/-0.014 χ^2/NDF: 10015841.8/37

All: 86.792+/-0.010 χ^2/NDF: 18208766.1/77

- 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:20.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

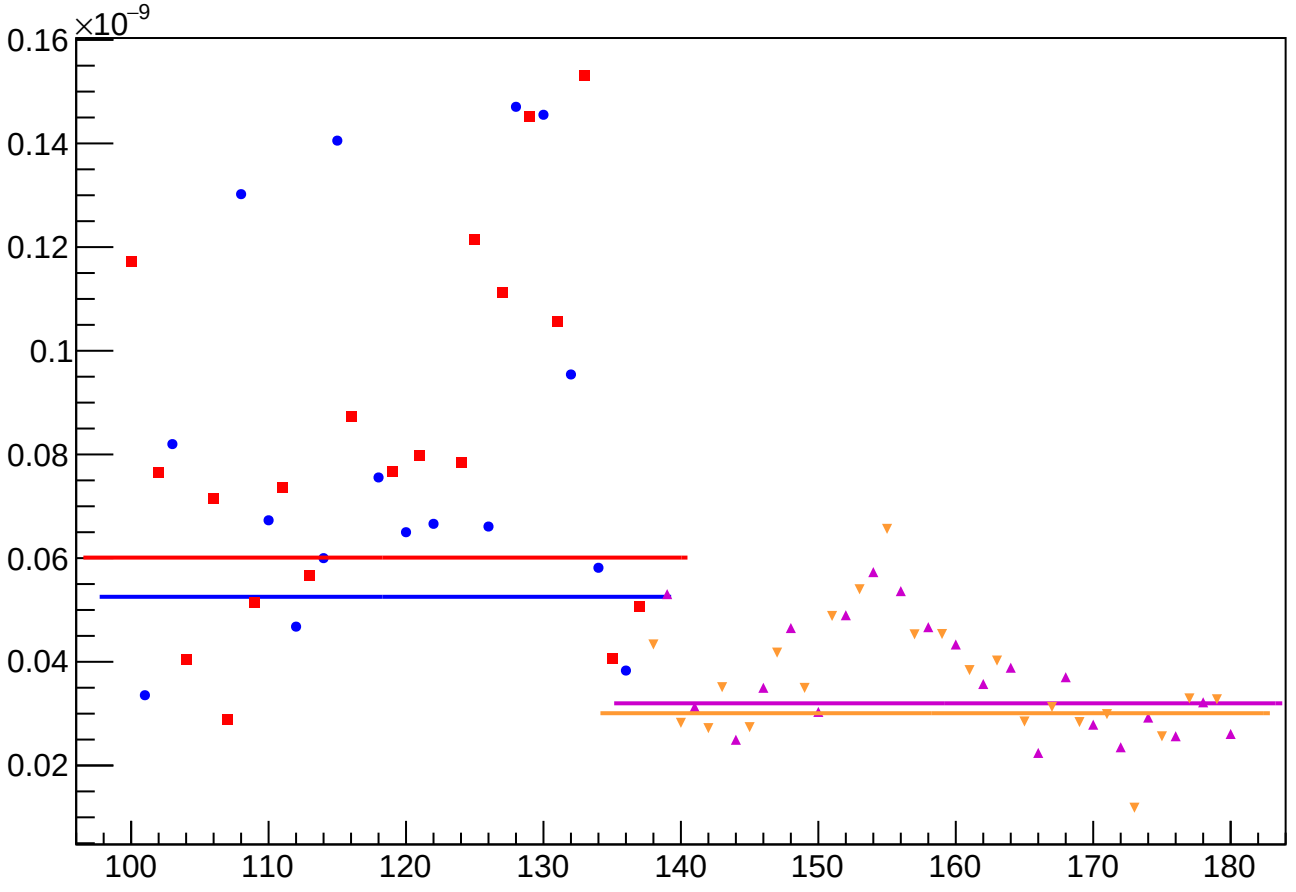
Left In: -0.000+/-0.000 χ^2/NDF:24.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 38.9/37

All: -0.000+/-0.000 χ^2/NDF: 86.8/77

- 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:2808139.3/21

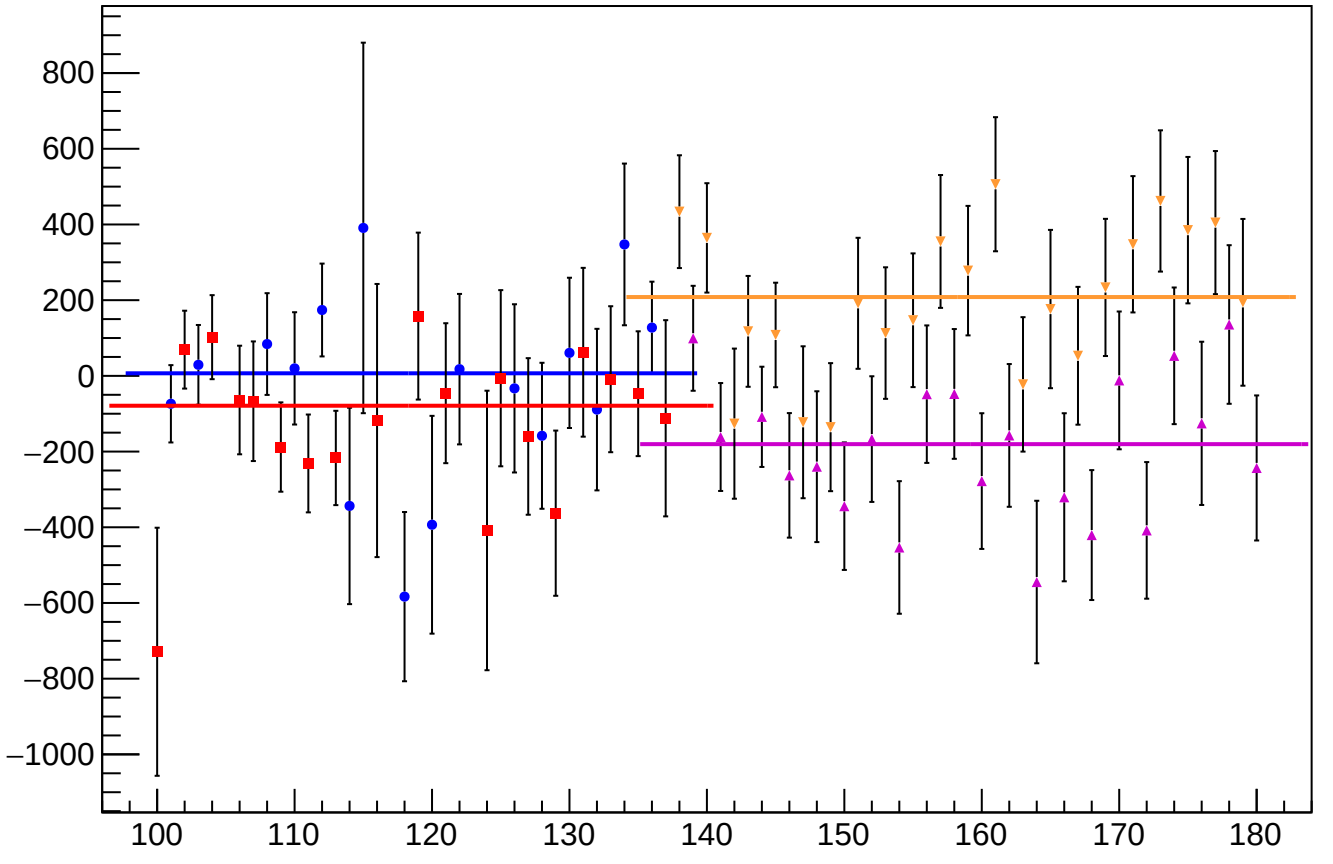
Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1732126.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 5768893.6/37

All: 0.000+/-0.000 χ^2/NDF: 10816414.2/77

- 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: 208.255+/-37.156 χ^2/NDF:25.0/21

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

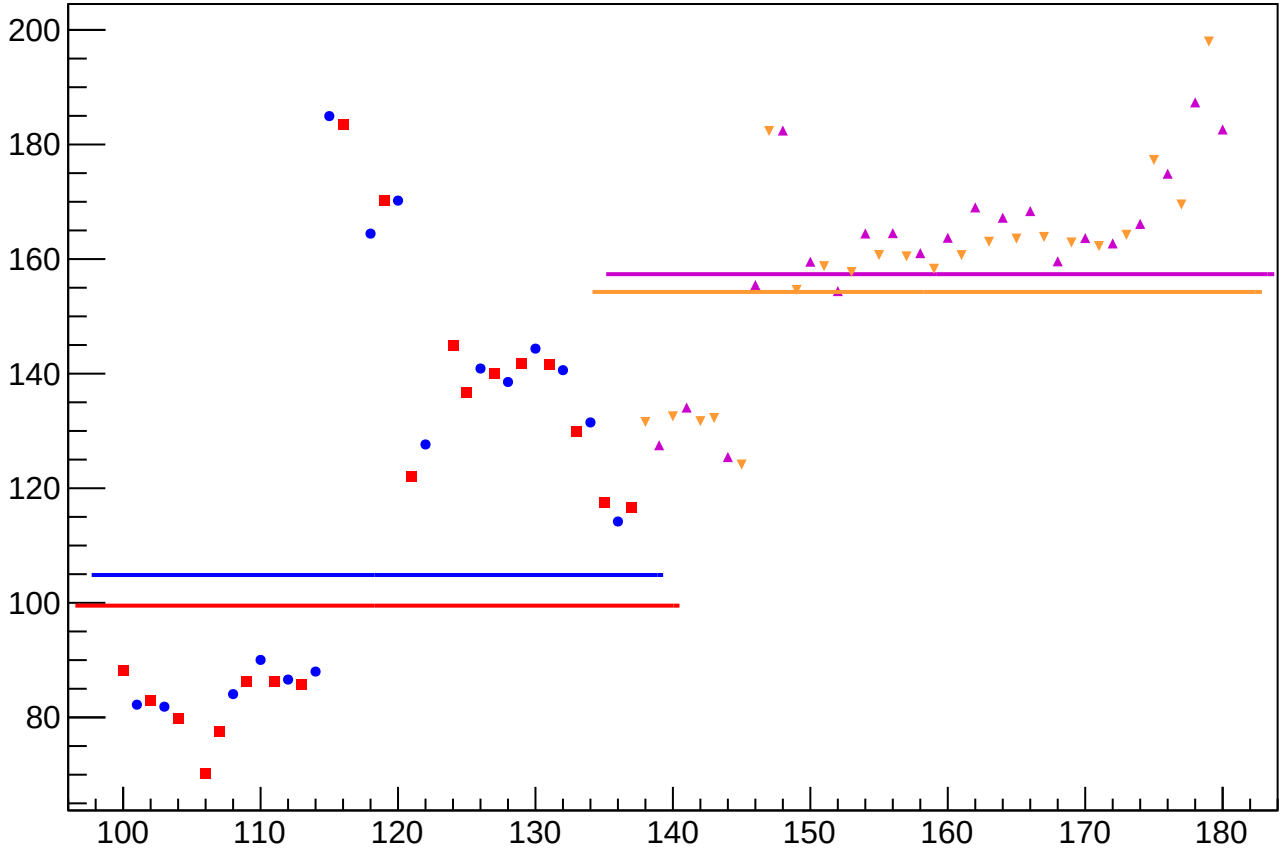
Left In: -180.375+/-38.149 χ^2/NDF:21.4/20

+ sign 115.828+/-27.334 χ^2/NDF: 57.3/37

All: -8.749+/-19.169 χ^2/NDF: 139.8/77

- 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: 154.266+/-0.026 χ^2/NDF:456830.6/21

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

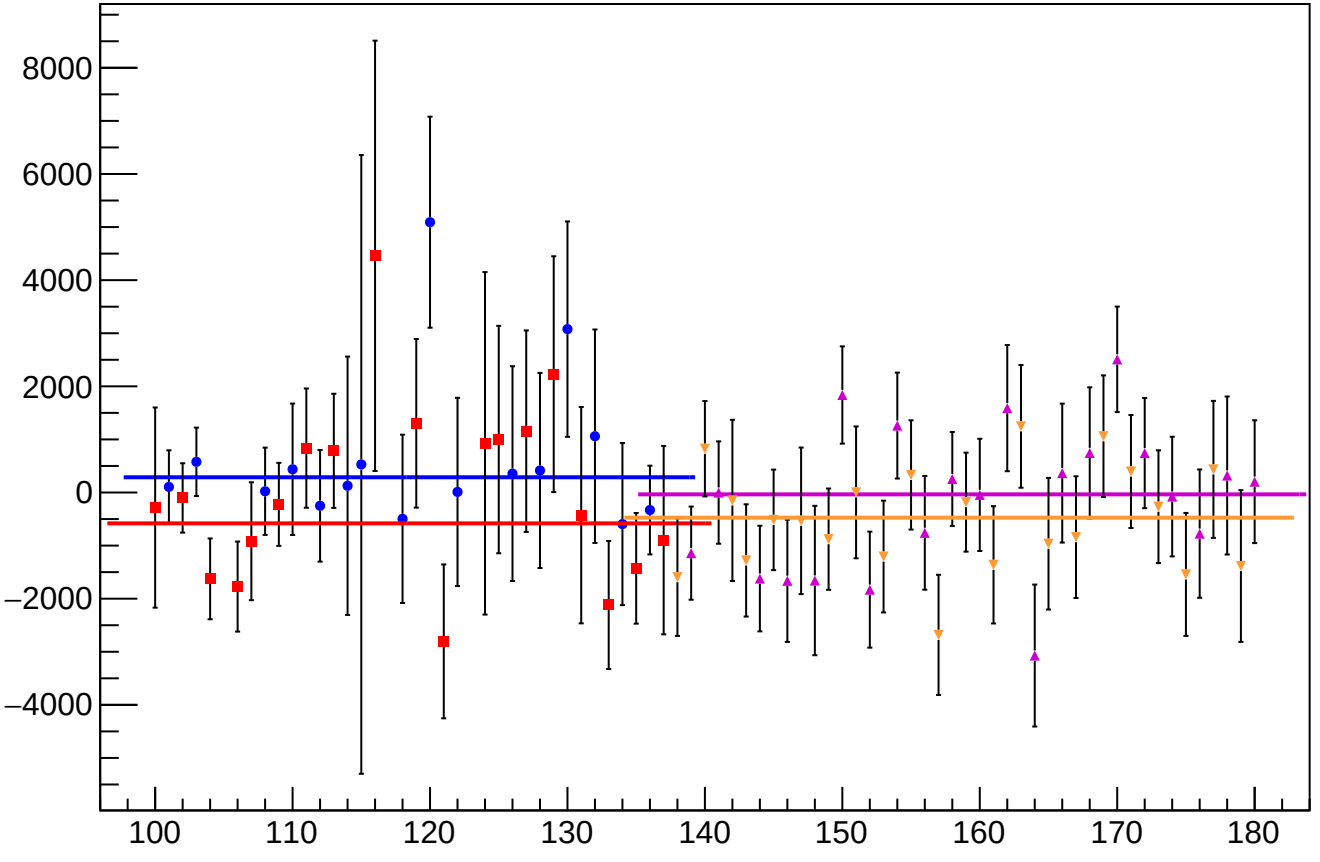
Left In: 157.365+/-0.027 χ^2/NDF:420100.9/20

\+ sign 131.597+/-0.019 χ^2/NDF: 3010543.6/37

All: 129.897+/-0.014 χ^2/NDF: 6799737.4/77

\- sign 128.251+/-0.019 χ^2/NDF: 3773965.5/39

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -474.007+/-236.388 χ^2/NDF:16.4/21

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

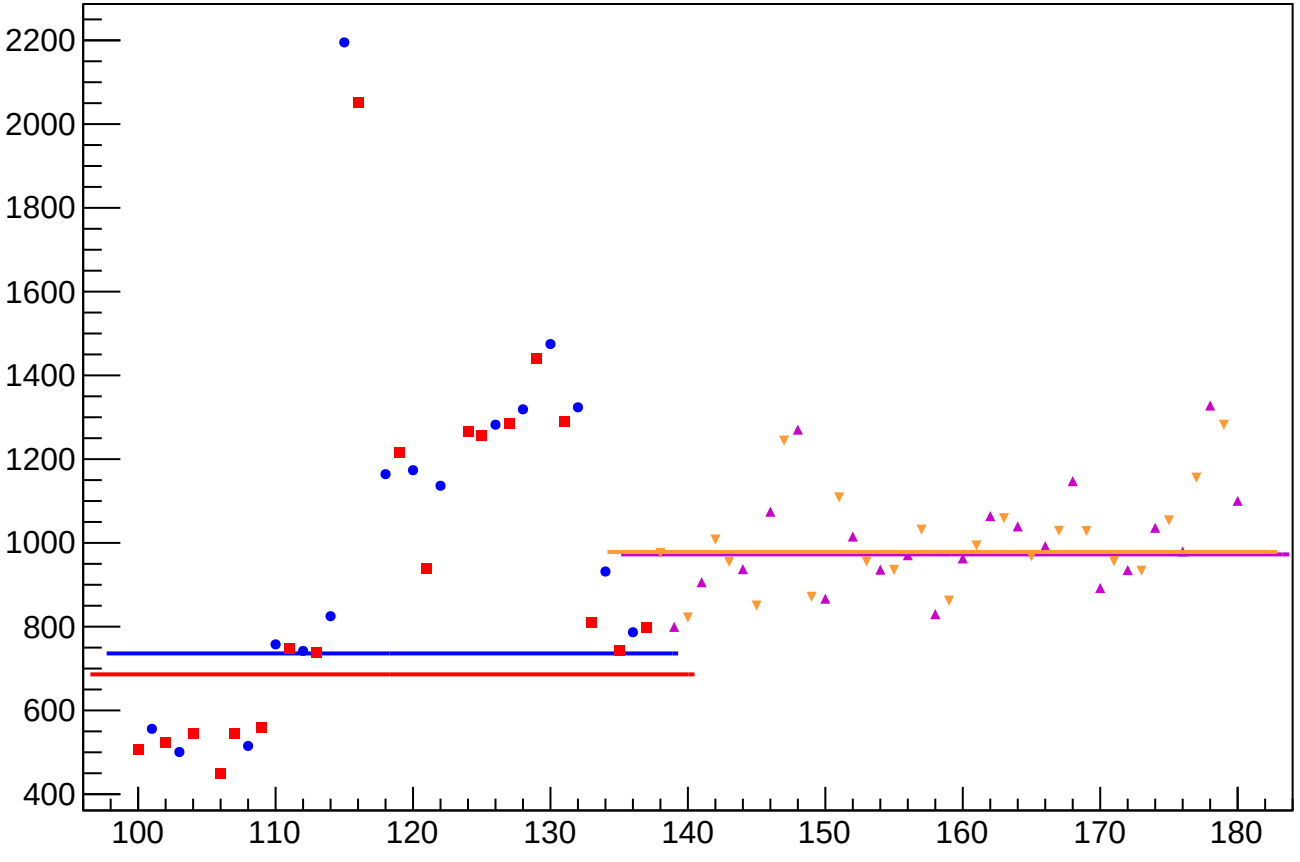
Left In: -34.736+/-236.757 χ^2/NDF:31.7/20

+ sign -174.585+/-184.095 χ^2/NDF: 30.2/37

All: -225.207+/-127.946 χ^2/NDF: 83.1/77

- 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: 978.402+/-0.167 χ^2/NDF:419332.1/21

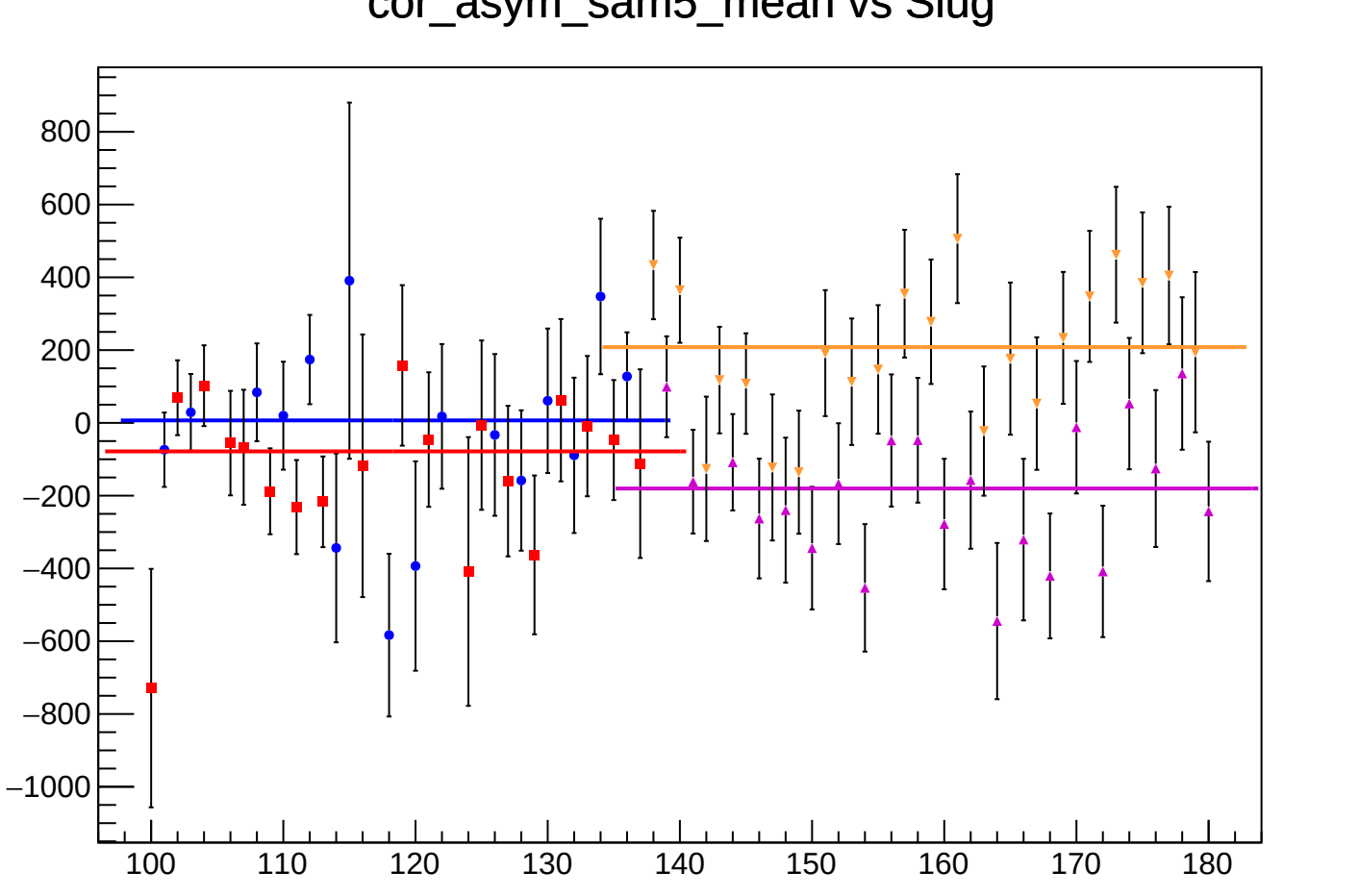
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 972.554+/-0.167 χ^2/NDF:497585.5/20

+ sign 883.050+/-0.130 χ^2/NDF: 3090808.2/37

All: 864.891+/-0.090 χ^2/NDF: 6718976.7/77

- 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: 208.256+/-37.156 χ^2/NDF:25.0/21

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

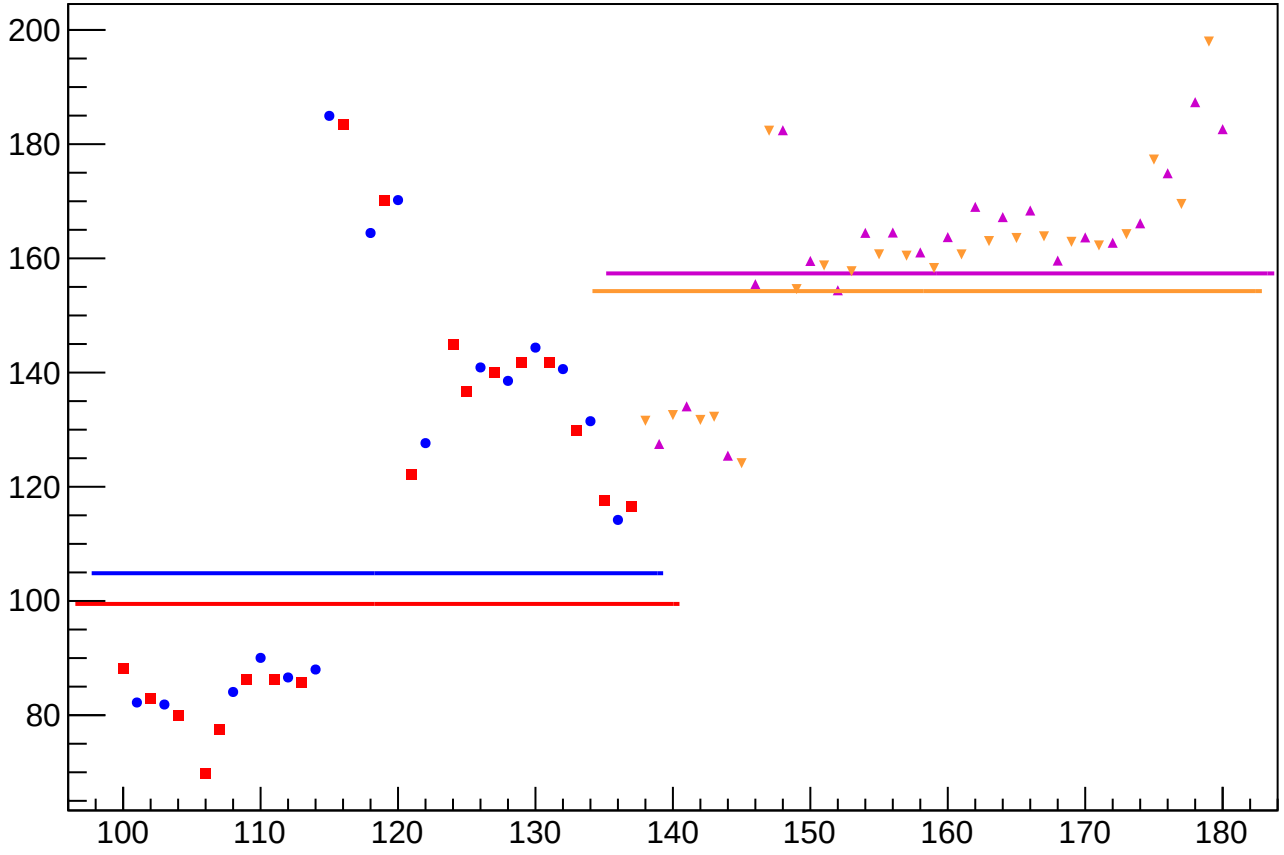
Left In: -180.378+/-38.149 χ^2/NDF:21.4/20

\+ sign 115.823+/-27.334 χ^2/NDF: 57.3/37

All: -8.613+/-19.169 χ^2/NDF: 139.7/77

\- 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: 154.266+/-0.026 χ^2/NDF:456830.6/21

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

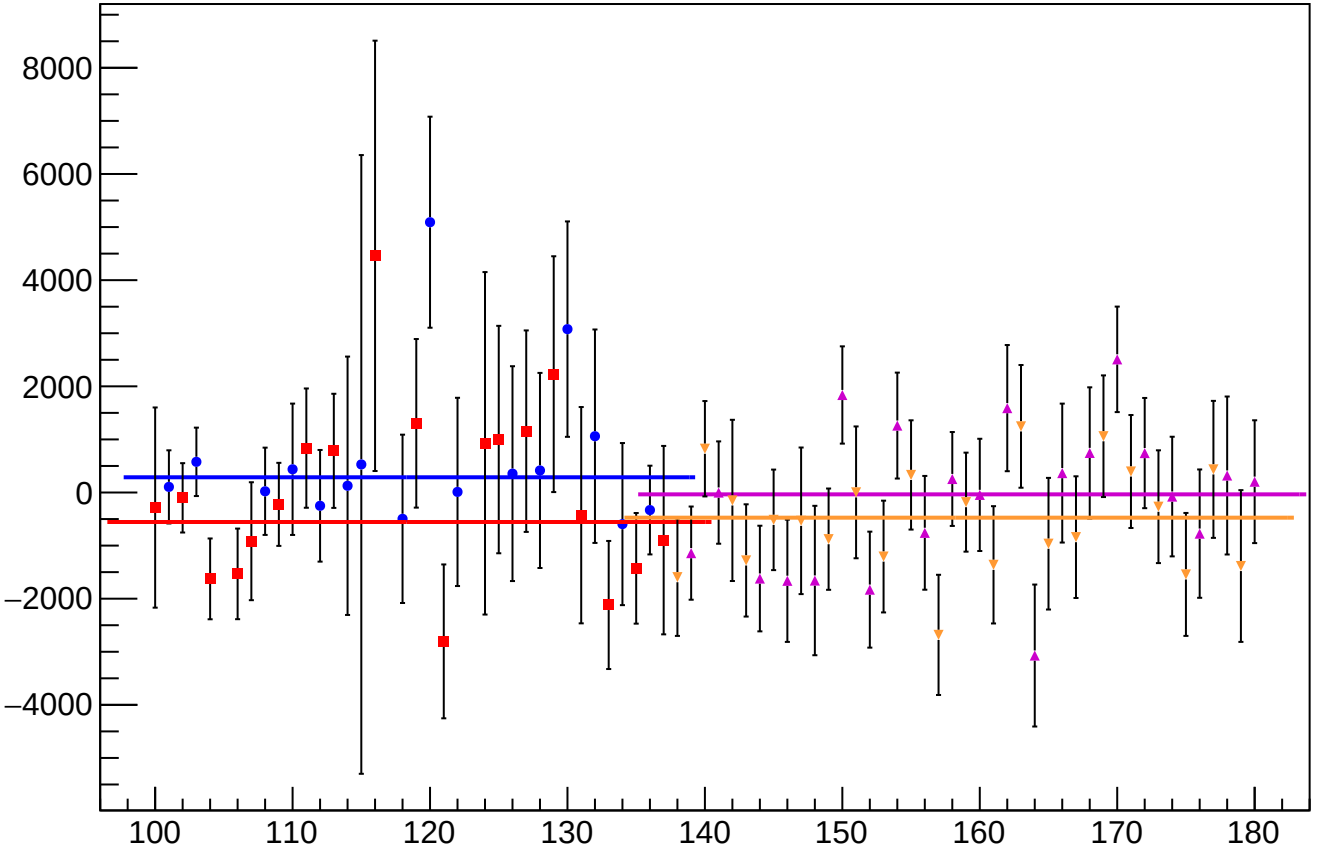
Left In: 157.365+/-0.027 χ^2/NDF:420100.9/20

+ sign 131.597+/-0.019 χ^2/NDF: 3010541.8/37

All: 129.892+/-0.014 χ^2/NDF: 6803761.9/77

- 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: -474.002+/-236.388 χ^2/NDF:16.4/21

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

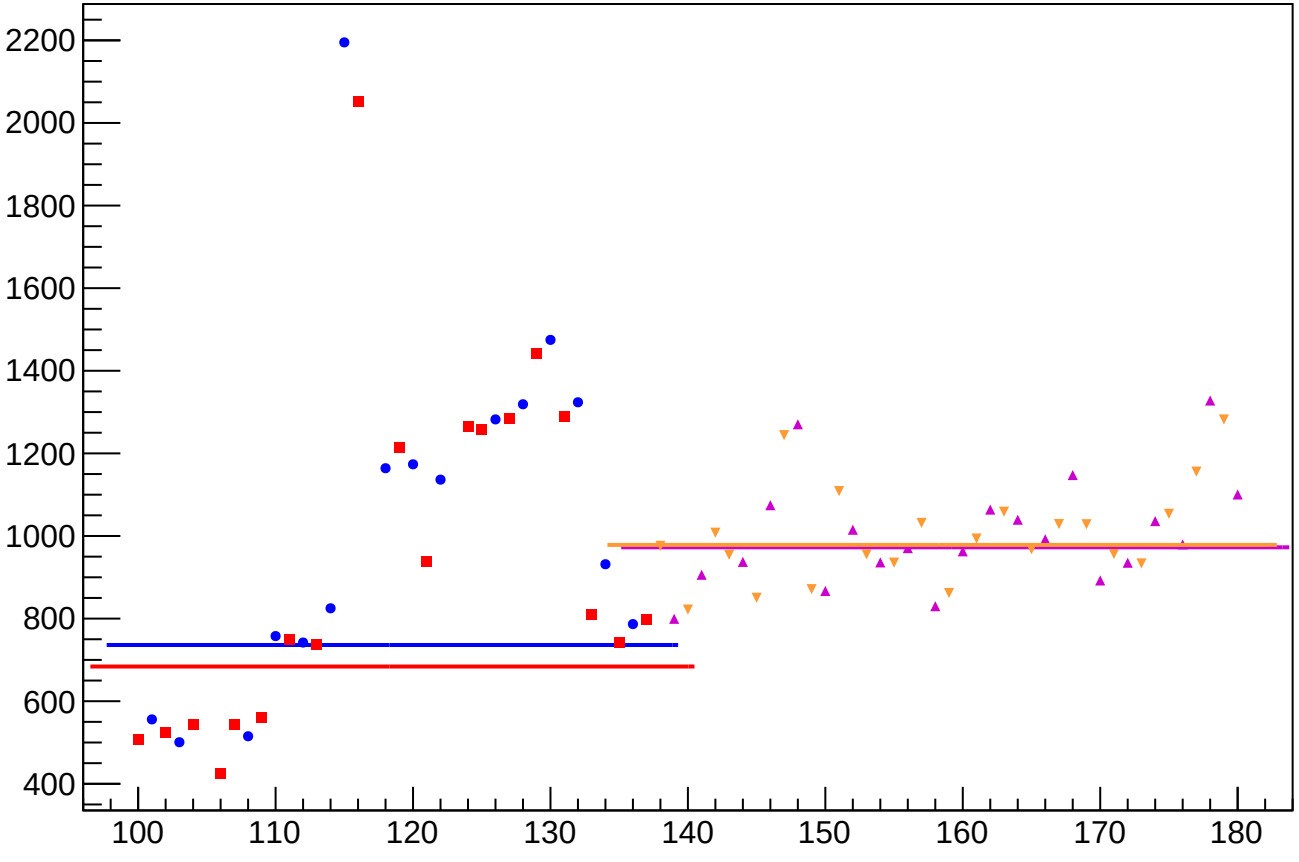
Left In: -34.733+/-236.757 χ^2/NDF:31.7/20

+ sign -174.580+/-184.095 χ^2/NDF: 30.2/37

All: -219.305+/-127.965 χ^2/NDF: 82.2/77

- 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: 978.402+/-0.167 χ^2/NDF:419330.7/21

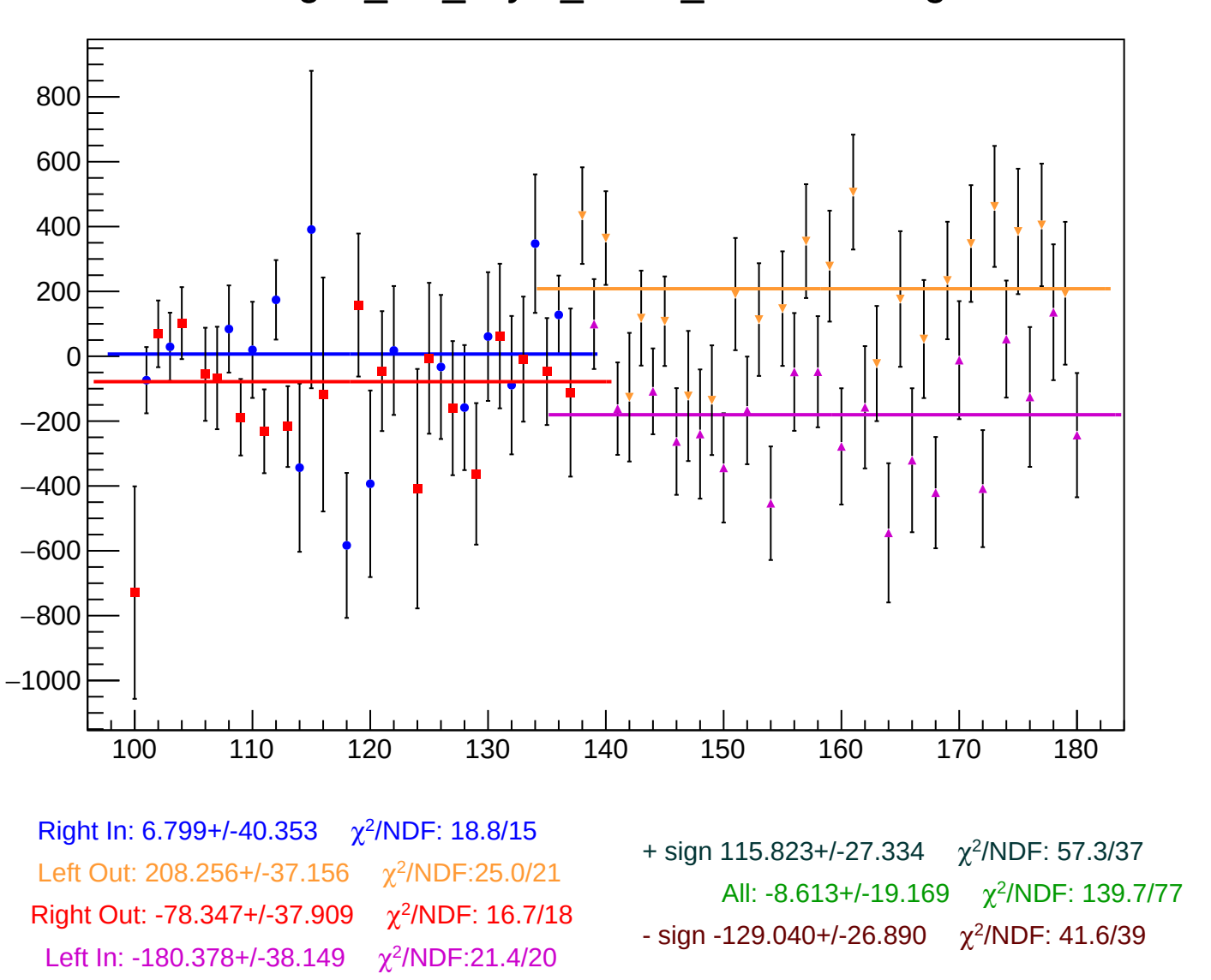
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 972.554+/-0.167 χ^2/NDF:497587.8/20

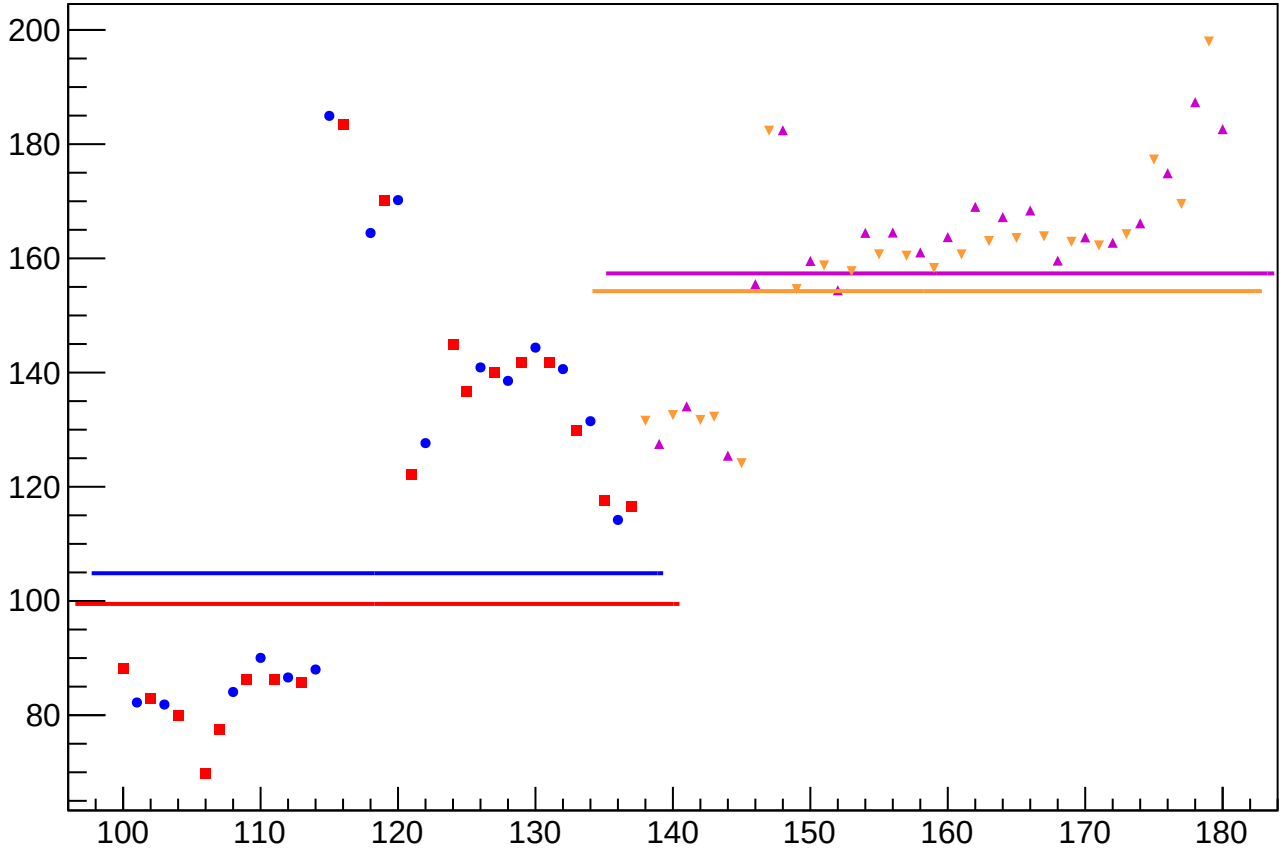
+ sign 883.050+/-0.130 χ^2/NDF: 3090815.9/37

All: 864.466+/-0.090 χ^2/NDF: 6770032.5/77

- sign 847.092+/-0.126 χ^2/NDF: 3639780.8/39


eigen_cor_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 208.256+/-37.156 χ²/NDF:25.0/21
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -180.378+/-38.149 χ²/NDF:21.4/20
+ sign 115.823+/-27.334 χ²/NDF: 57.3/37
All: -8.613+/-19.169 χ²/NDF: 139.7/77
- sign -129.040+/-26.890 χ²/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: 154.266+/-0.026 χ^2/NDF:456830.6/21

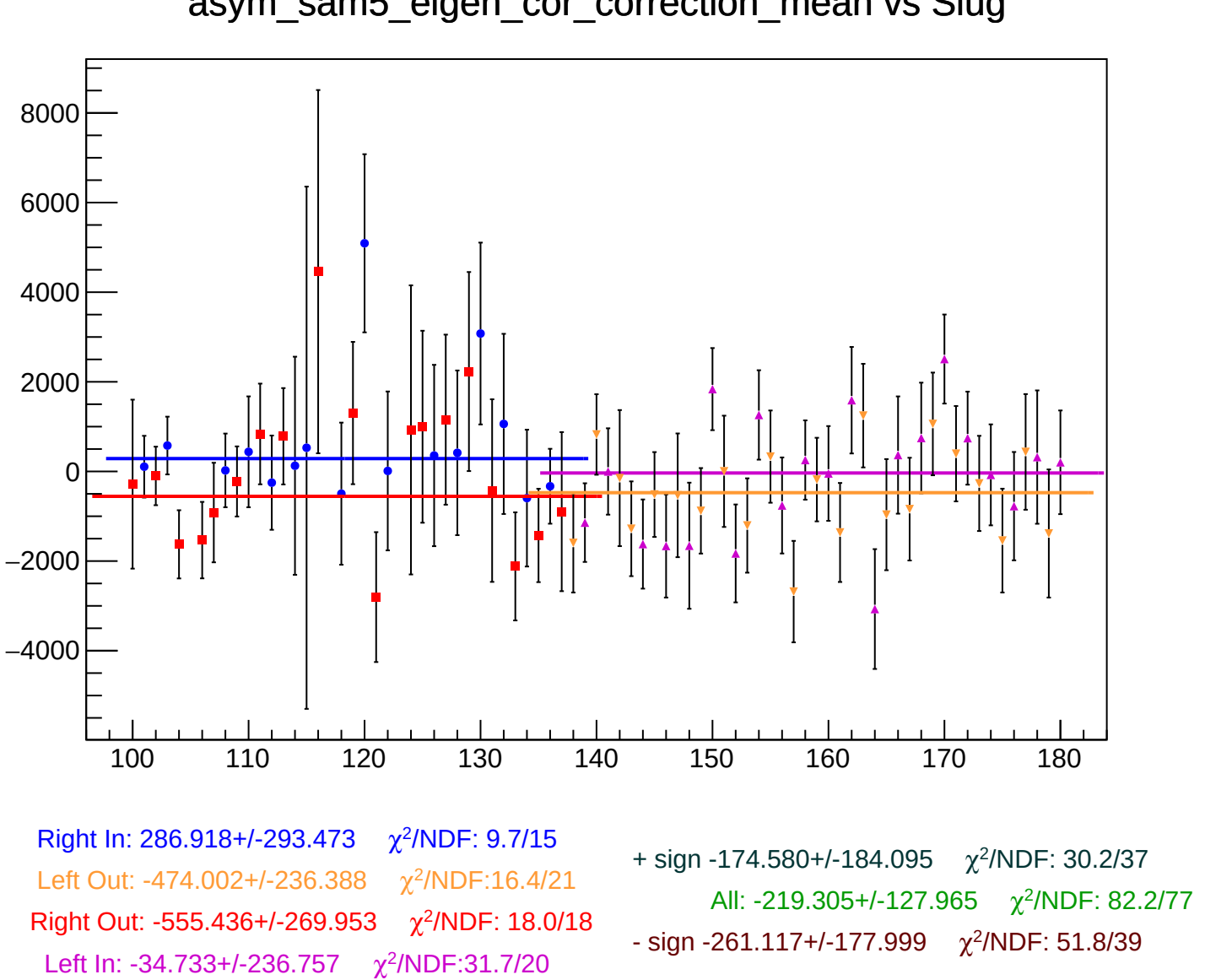
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 157.365+/-0.027 χ^2/NDF:420100.9/20

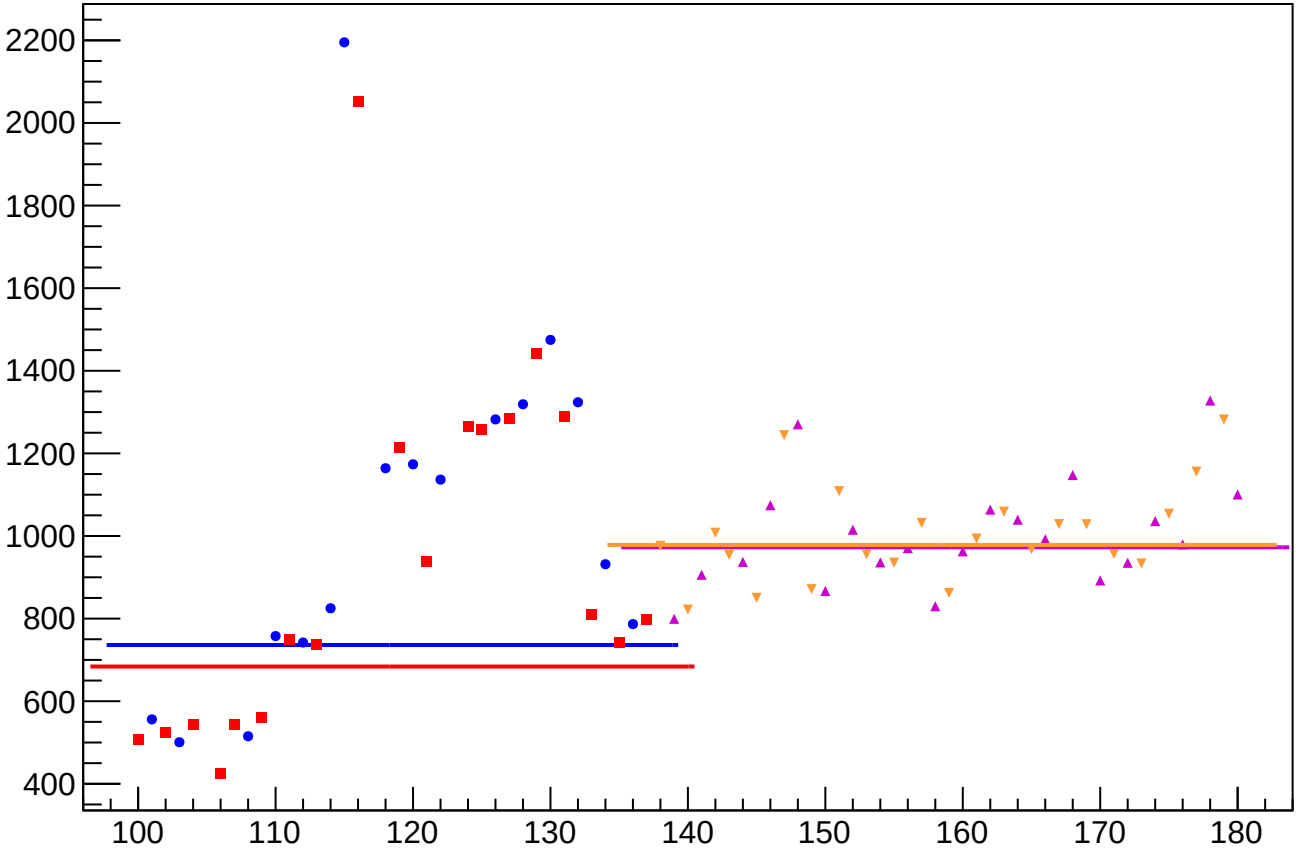
+ sign 131.597+/-0.019 χ^2/NDF: 3010541.8/37

All: 129.892+/-0.014 χ^2/NDF: 6803761.9/77

- sign 128.241+/-0.019 χ^2/NDF: 3777901.4/39


asym_sam5_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 286.918+/-293.473 χ²/NDF: 9.7/15
Left Out: -474.002+/-236.388 χ²/NDF:16.4/21
Right Out: -555.436+/-269.953 χ²/NDF: 18.0/18
Left In: -34.733+/-236.757 χ²/NDF:31.7/20
+ sign -174.580+/-184.095 χ²/NDF: 30.2/37
All: -219.305+/-127.965 χ²/NDF: 82.2/77
- sign -261.117+/-177.999 χ²/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: 978.402+/-0.167 χ^2/NDF:419330.7/21

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

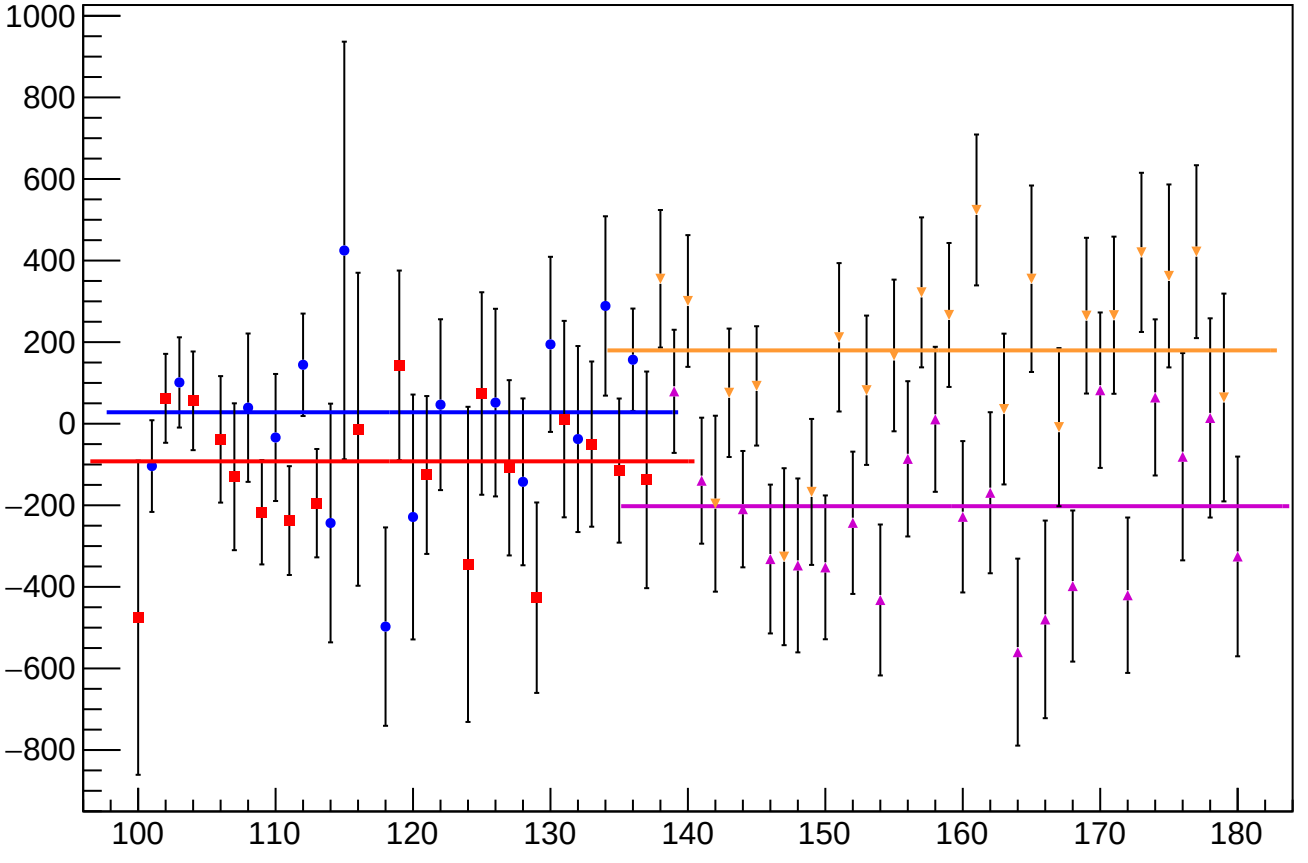
Left In: 972.554+/-0.167 χ^2/NDF:497587.8/20

+ sign 883.050+/-0.130 χ^2/NDF: 3090815.9/37

All: 864.466+/-0.090 χ^2/NDF: 6770032.5/77

- 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: 179.764+/-39.915 χ^2/NDF:25.5/21

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

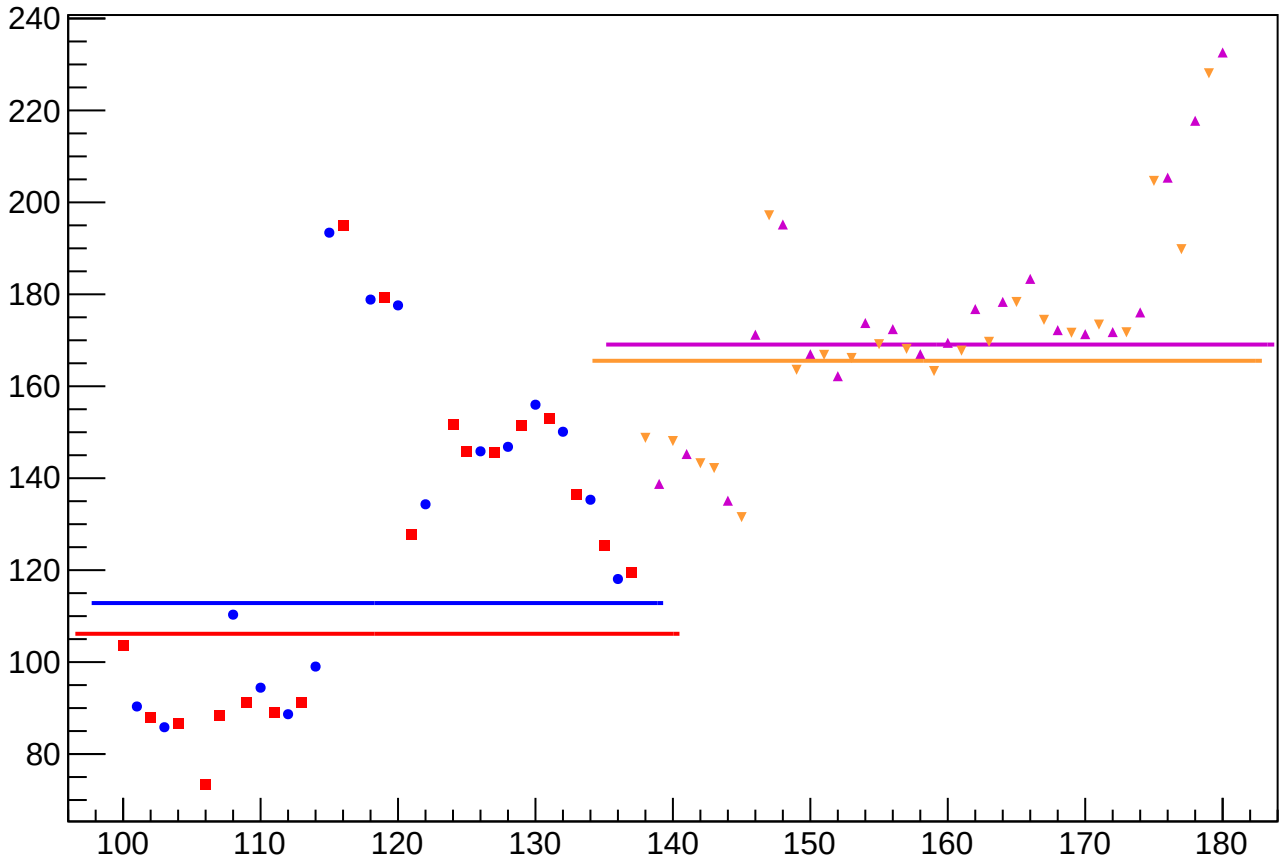
Left In: -202.204+/-41.109 χ^2/NDF:20.4/20

+ sign 110.329+/-29.391 χ^2/NDF: 45.7/37

All: -20.384+/-20.594 χ^2/NDF: 120.3/77

- 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: 165.542+/-0.028 χ^2/NDF:487735.7/21

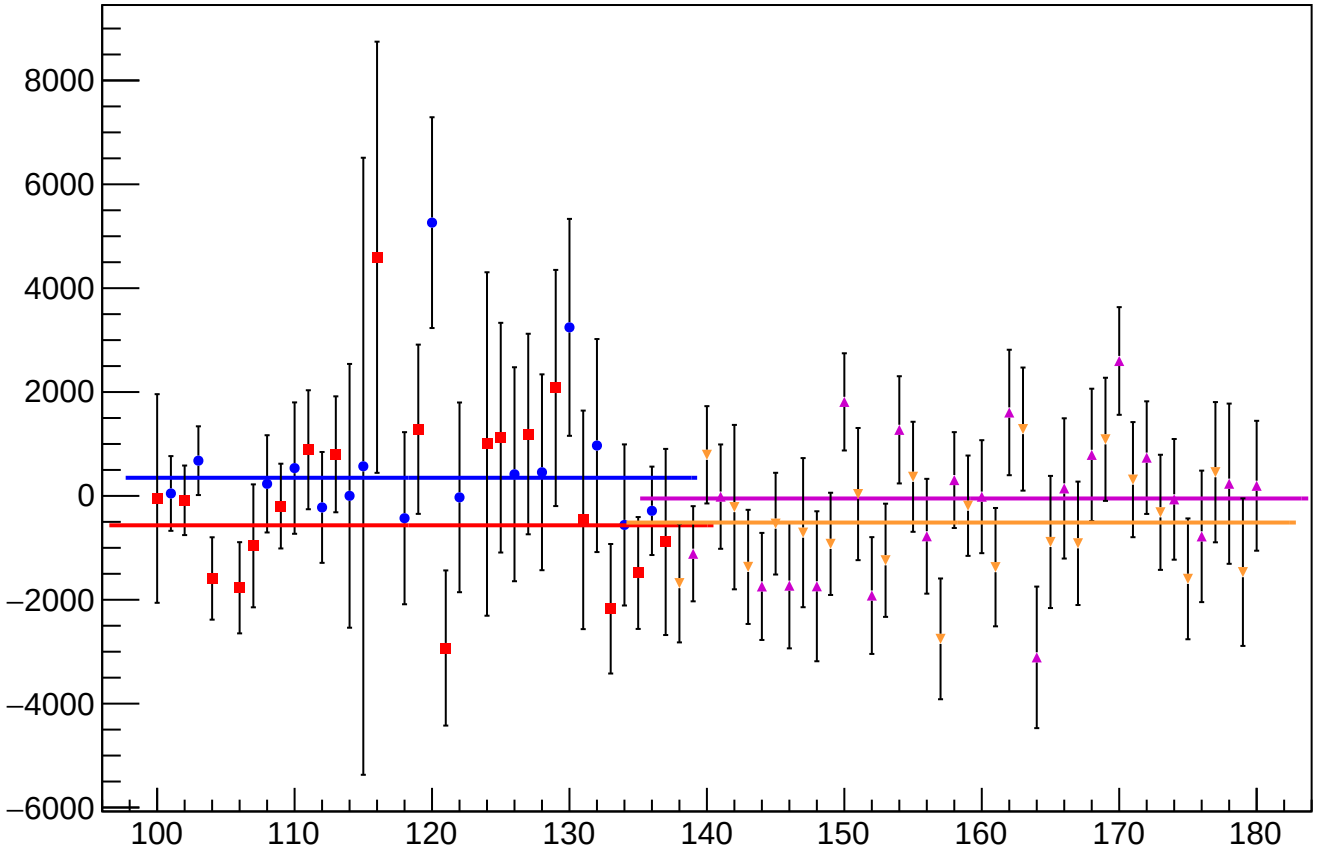
Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 169.073+/-0.029 χ^2/NDF:549580.1/20

+ sign 141.416+/-0.021 χ^2/NDF: 2955964.9/37

All: 139.258+/-0.015 χ^2/NDF: 6903769.5/77

- sign 137.176+/-0.020 χ^2/NDF: 3926621.6/39



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.938+/-244.078 χ^2/NDF:16.3/21

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

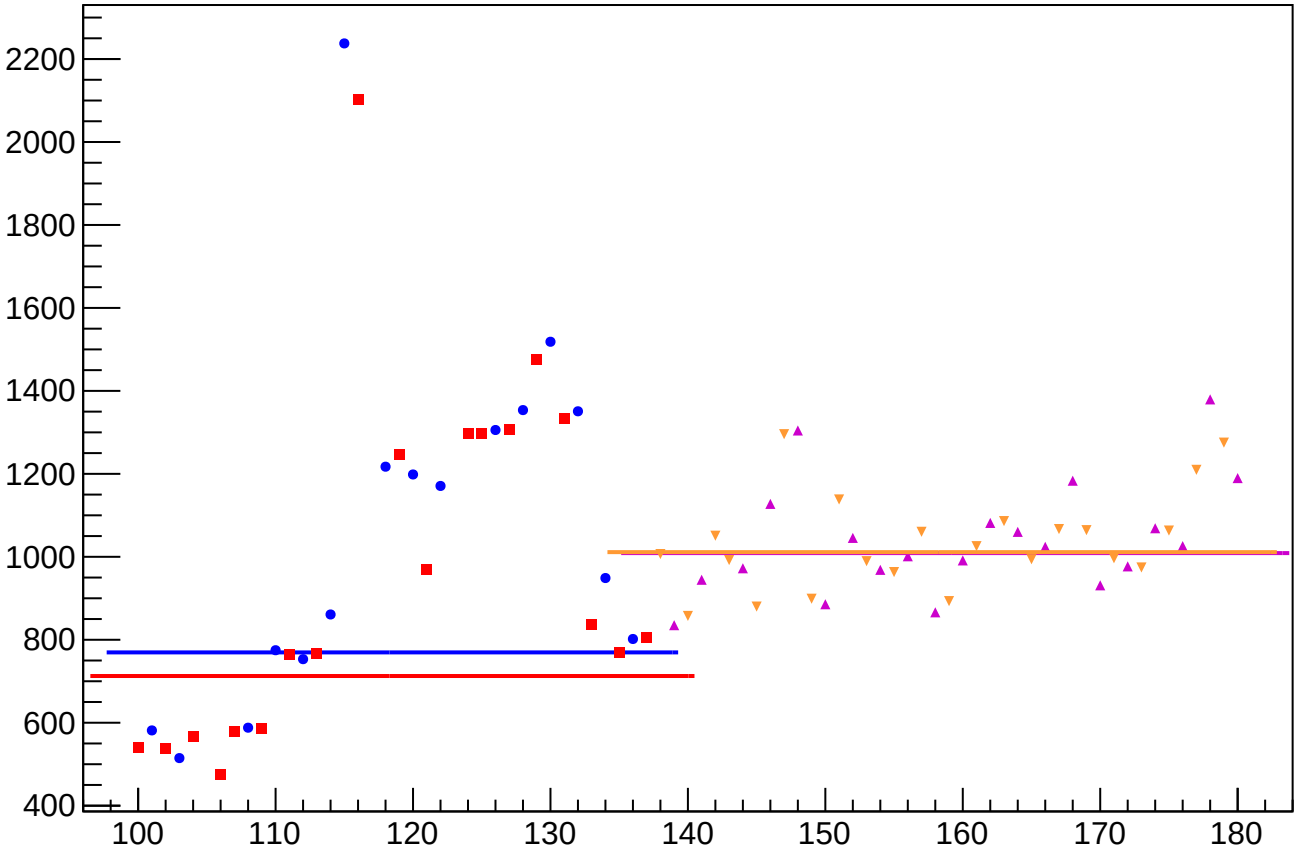
Left In: -49.523+/-245.522 χ^2/NDF:31.1/20

\+ sign -176.838+/-190.649 χ^2/NDF: 31.0/37

All: -227.427+/-132.537 χ^2/NDF: 82.4/77

\- 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: 1011.286+/-0.173 χ^2/NDF:390293.2/21

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

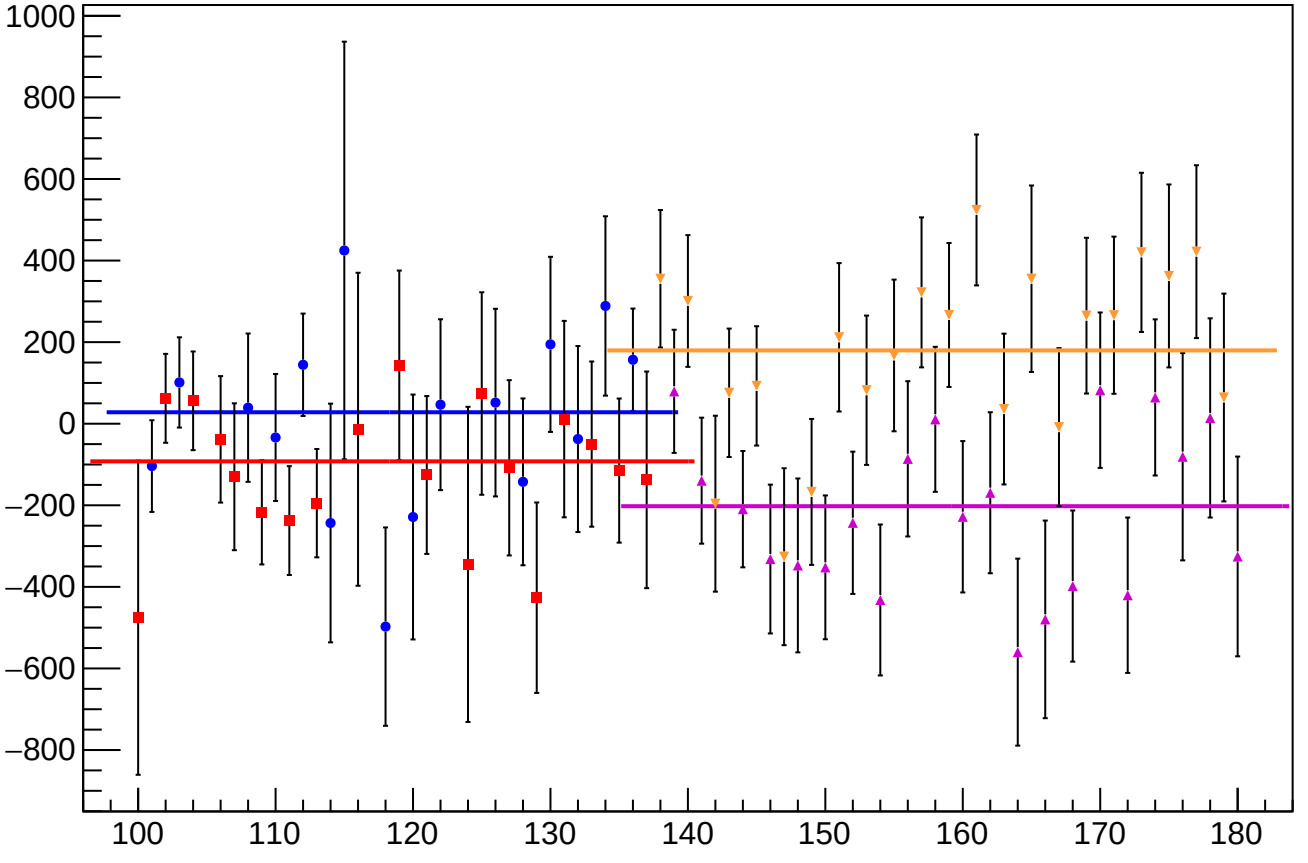
Left In: 1008.949+/-0.174 χ^2/NDF:497847.1/20

+ sign 917.040+/-0.135 χ^2/NDF: 2895061.9/37

All: 897.766+/-0.094 χ^2/NDF: 6469999.8/77

- 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: 179.765+/-39.915 χ^2/NDF:25.5/21

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

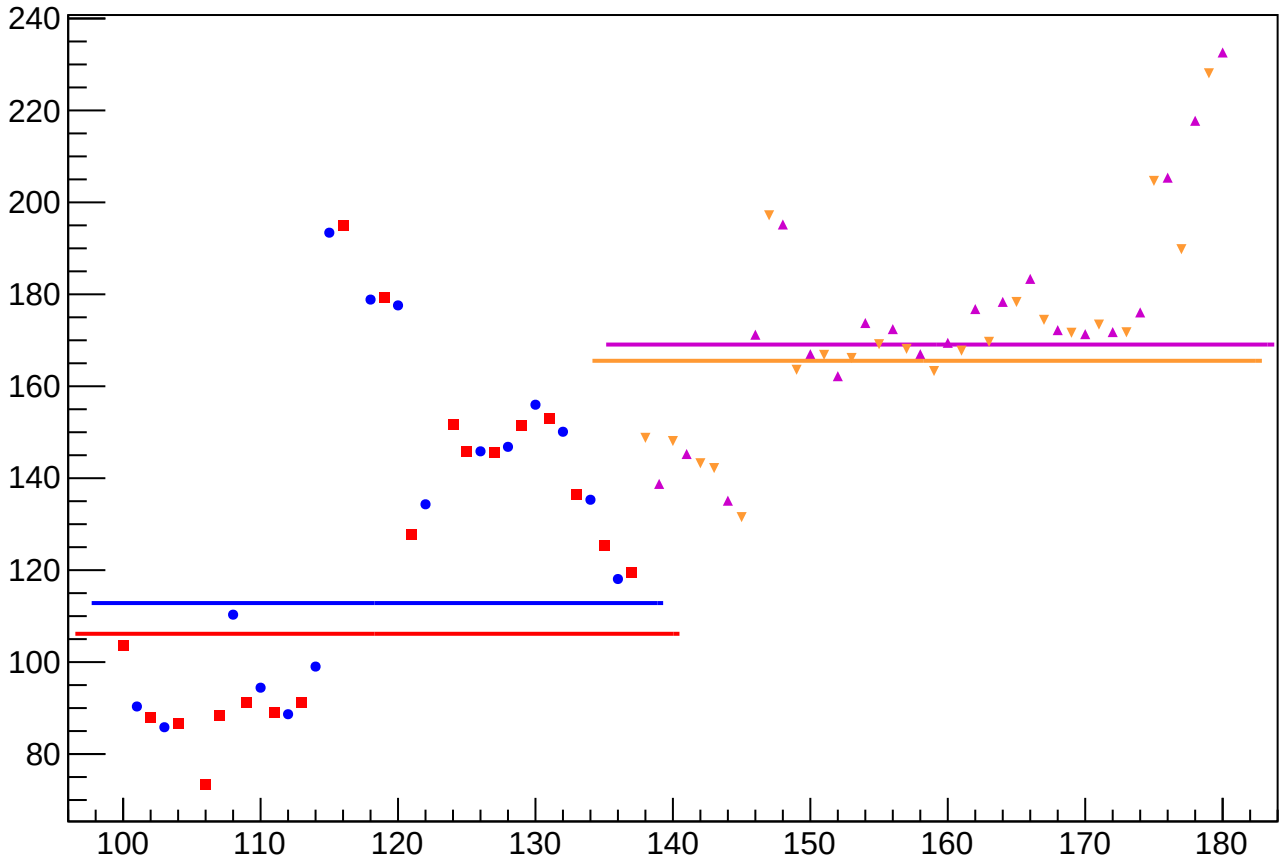
Left In: -202.204+/-41.109 χ^2/NDF:20.4/20

+ sign 110.329+/-29.391 χ^2/NDF: 45.7/37

All: -20.384+/-20.594 χ^2/NDF: 120.3/77

- 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: 165.542+/-0.028 χ^2/NDF:487728.7/21

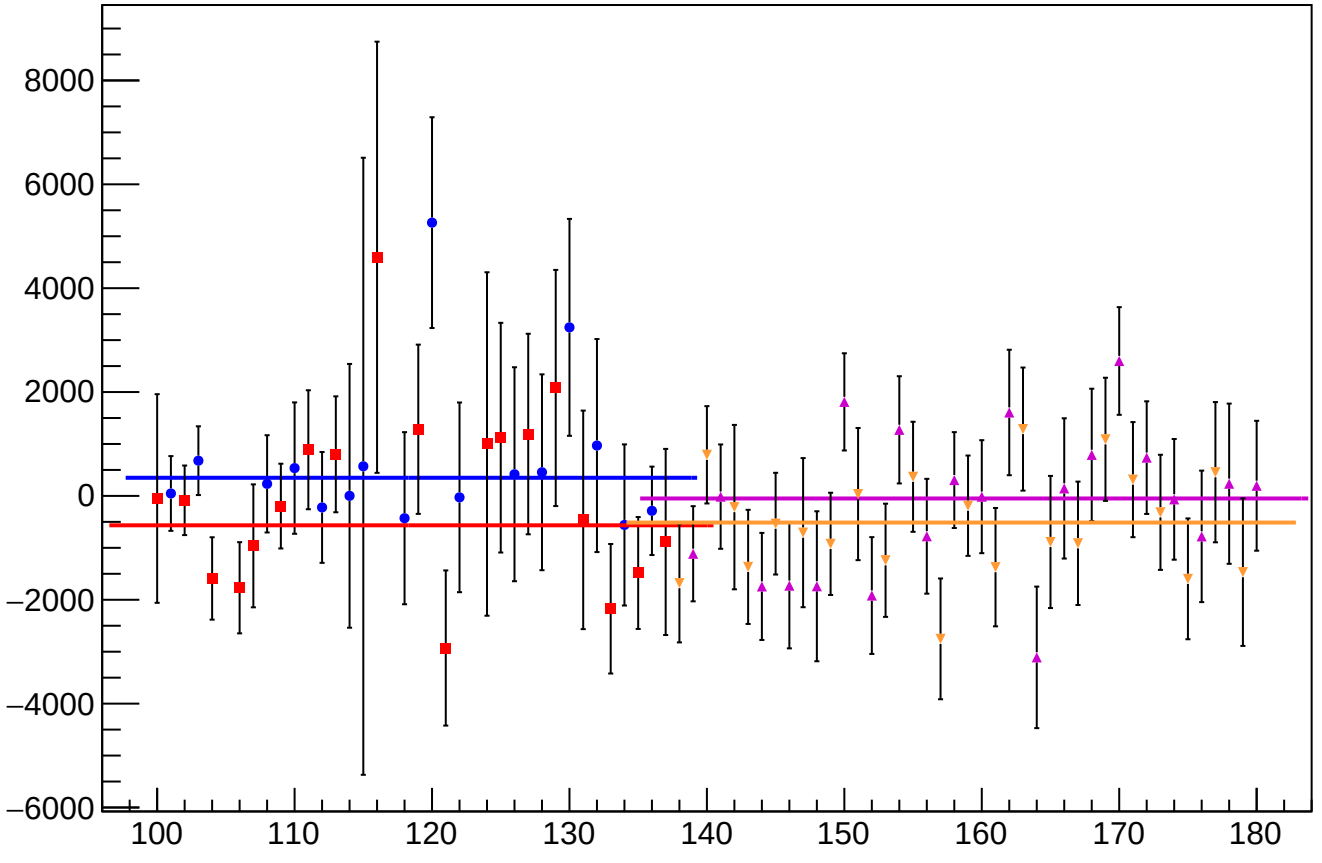
Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 169.073+/-0.029 χ^2/NDF:549571.3/20

+ sign 141.416+/-0.021 χ^2/NDF: 2955981.5/37

All: 139.258+/-0.015 χ^2/NDF: 6903803.2/77

- sign 137.176+/-0.020 χ^2/NDF: 3926639.4/39



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.937+/-244.078 χ^2/NDF:16.3/21

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

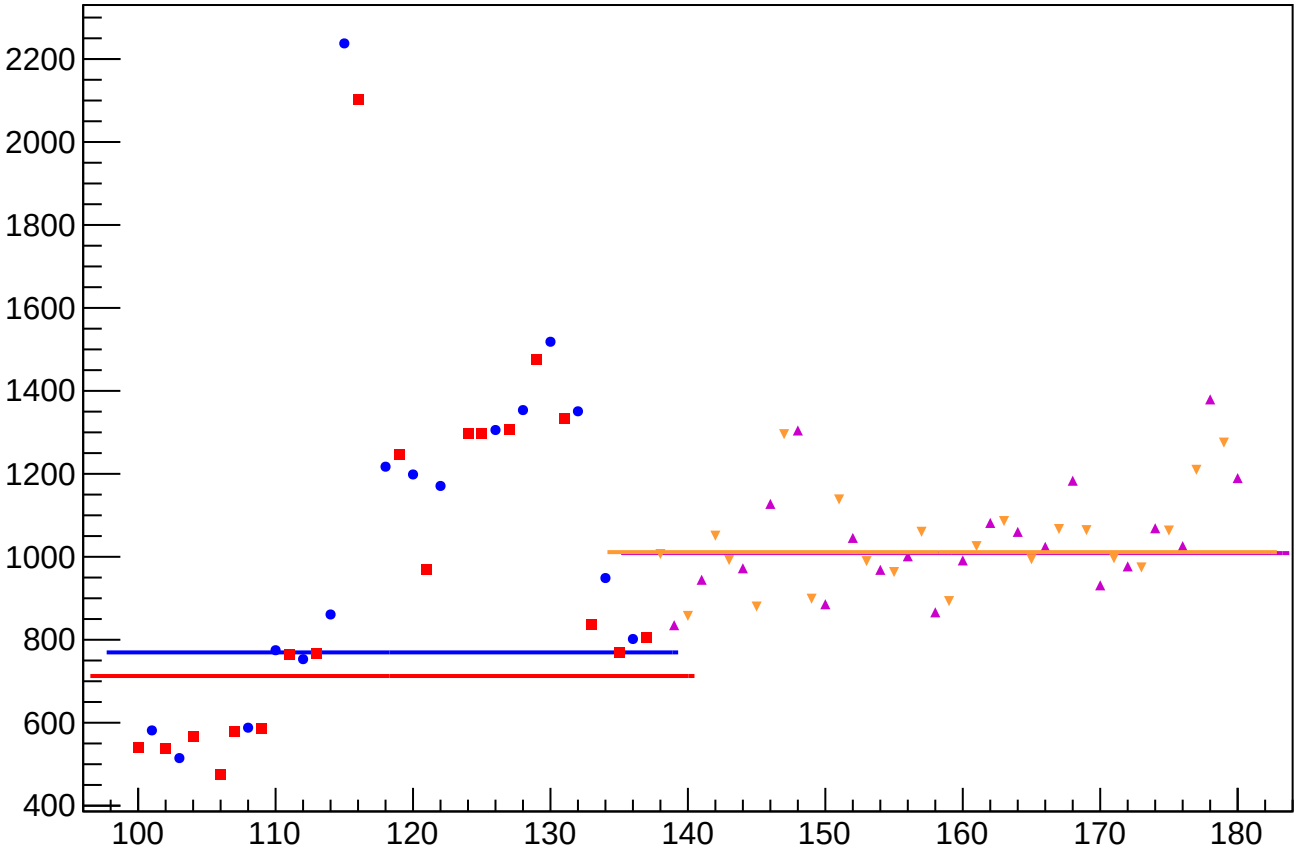
Left In: -49.524+/-245.523 χ^2/NDF:31.1/20

\+ sign -176.837+/-190.649 χ^2/NDF: 31.0/37

All: -227.427+/-132.537 χ^2/NDF: 82.4/77

\- 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: 1011.288+/-0.173 χ^2/NDF:390292.3/21

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

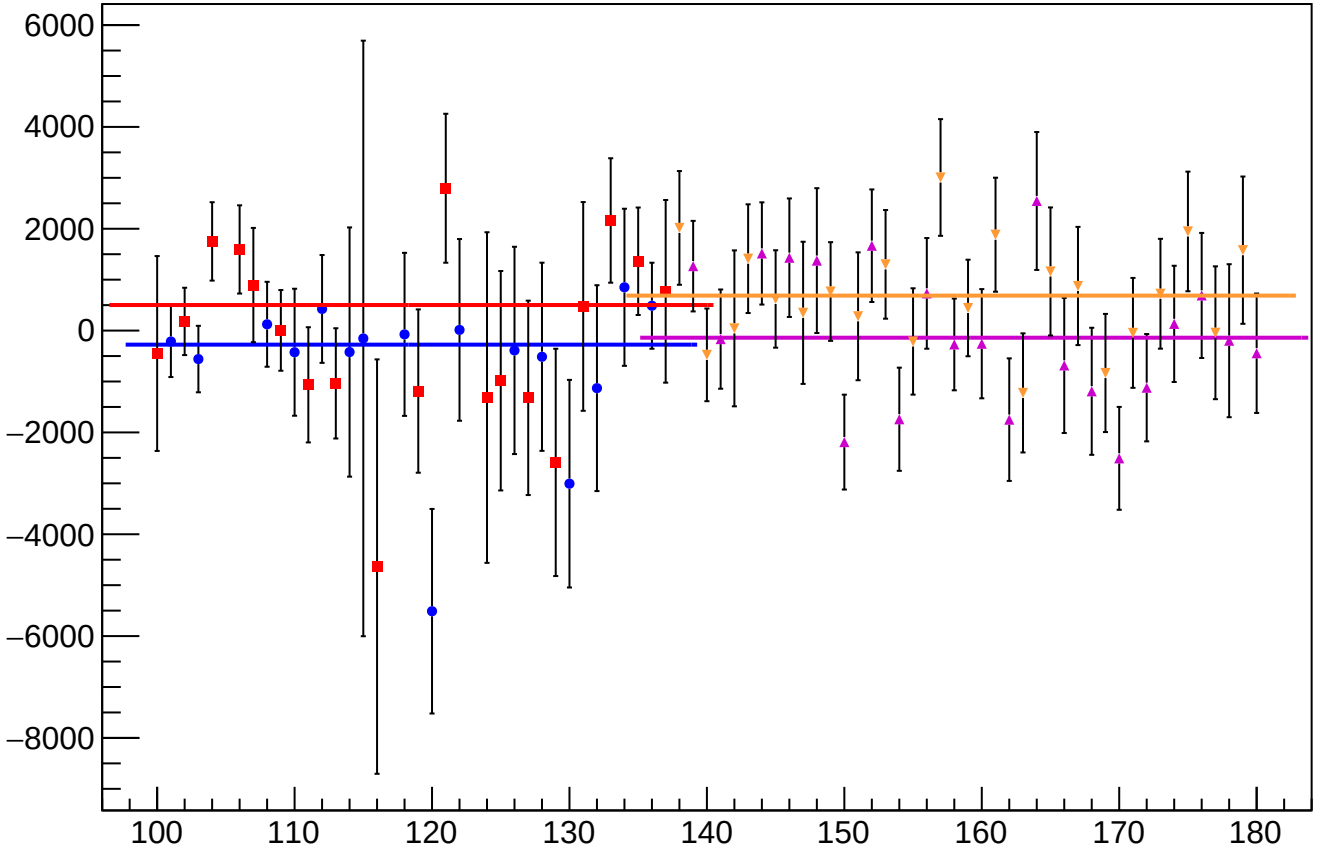
Left In: 1008.951+/-0.174 χ^2/NDF:497847.3/20

+ sign 917.040+/-0.135 χ^2/NDF: 2895075.1/37

All: 897.766+/-0.094 χ^2/NDF: 6470028.8/77

- 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: 686.799+/-239.454 χ^2/NDF:17.1/21

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

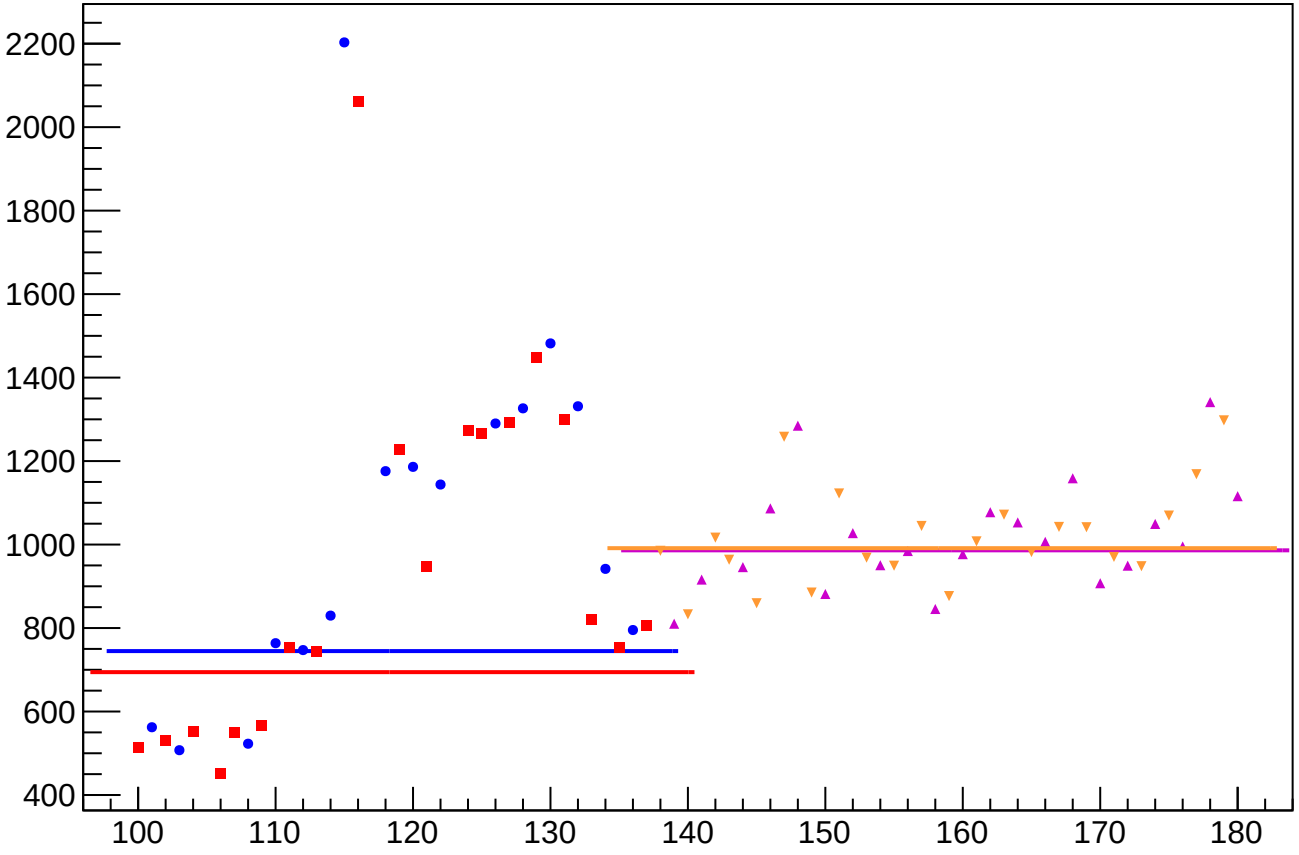
Left In: -139.820+/-240.002 χ^2/NDF:32.4/20

+ sign 306.975+/-186.341 χ^2/NDF: 34.5/37

All: 220.703+/-129.555 χ^2/NDF: 91.0/77

- 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: 991.333+/-0.169 χ^2/NDF:414296.3/21

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

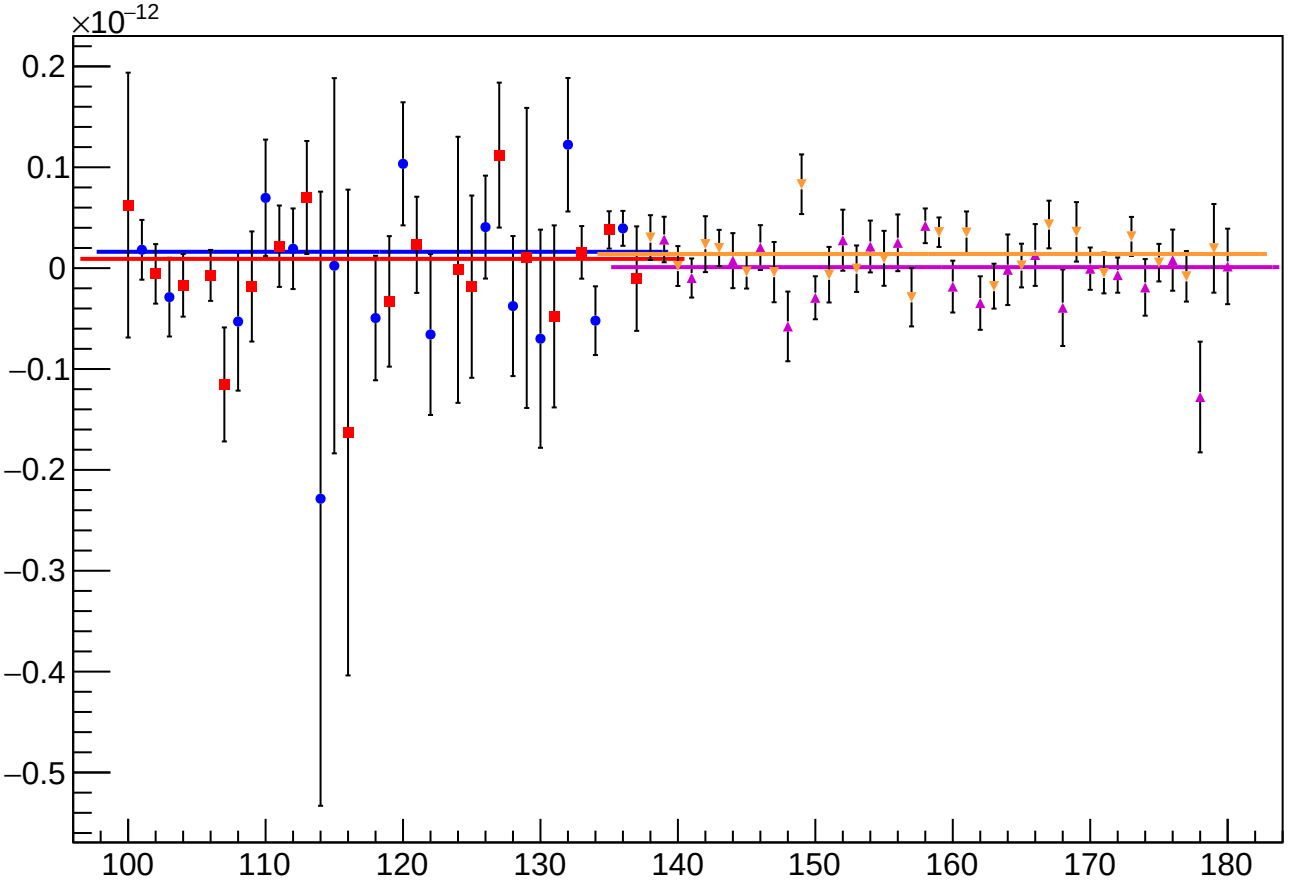
Left In: 986.177+/-0.170 χ^2/NDF:486146.3/20

+ sign 894.089+/-0.132 χ^2/NDF: 3073132.1/37

All: 875.937+/-0.092 χ^2/NDF: 6688904.8/77

- sign 858.952+/-0.127 χ^2/NDF: 3579035.3/39

asym_sam5_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:21.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

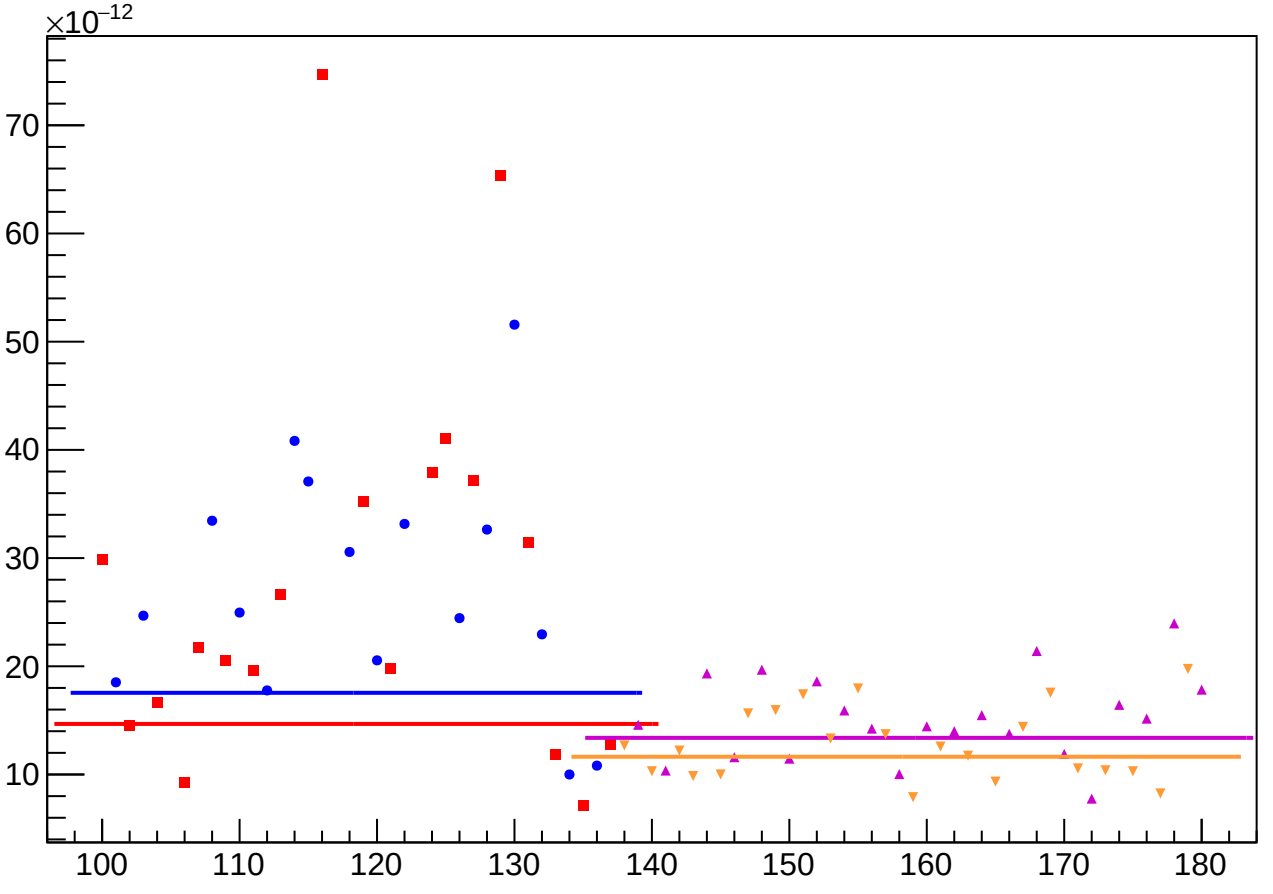
Left In: 0.000+/-0.000 χ^2/NDF:25.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 39.5/37

All: 0.000+/-0.000 χ^2/NDF: 82.6/77

- sign 0.000+/-0.000 χ^2/NDF: 40.0/39

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:742498.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

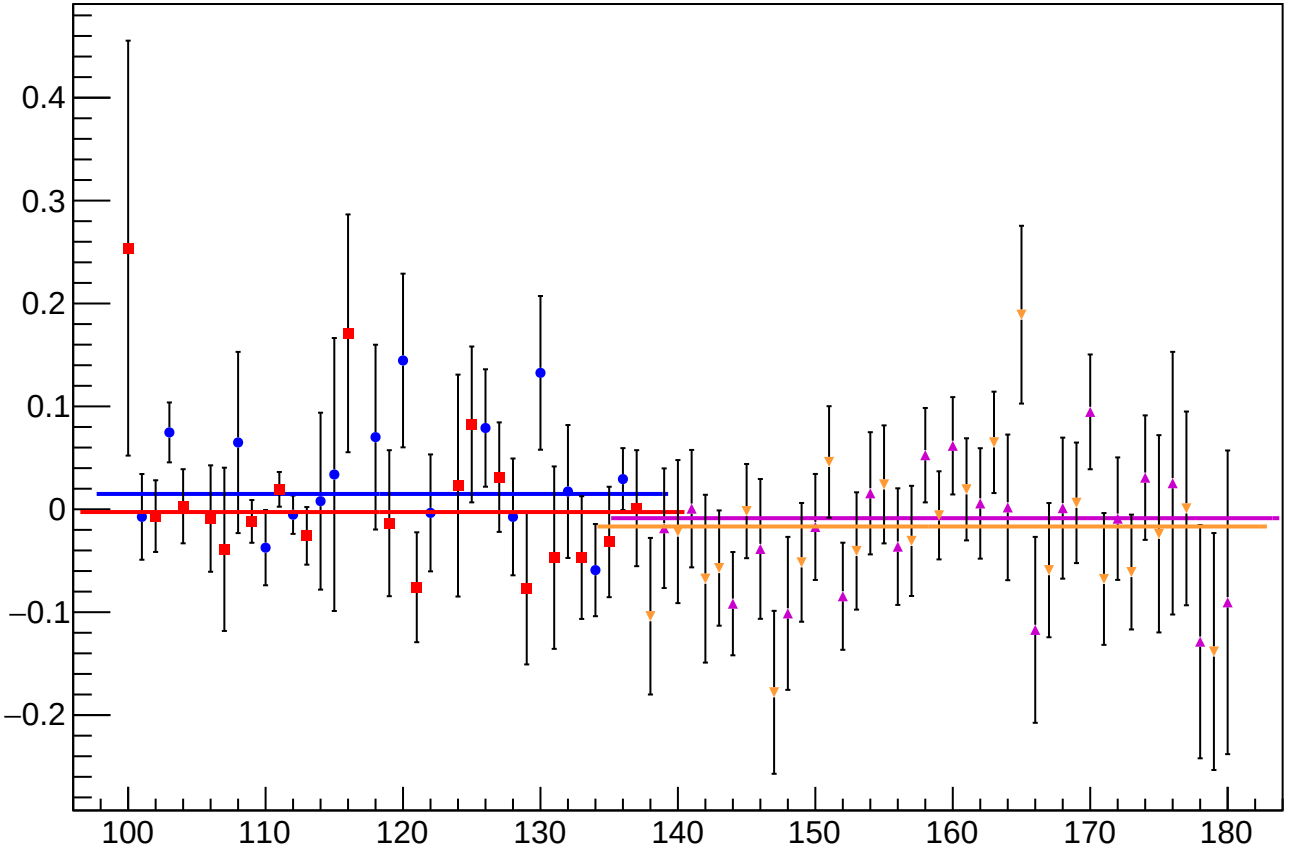
Left In: 0.000+/-0.000 χ^2/NDF:853516.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 2410902.8/37

All: 0.000+/-0.000 χ^2/NDF: 5093611.1/77

- sign 0.000+/-0.000 χ^2/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:21.0/21

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

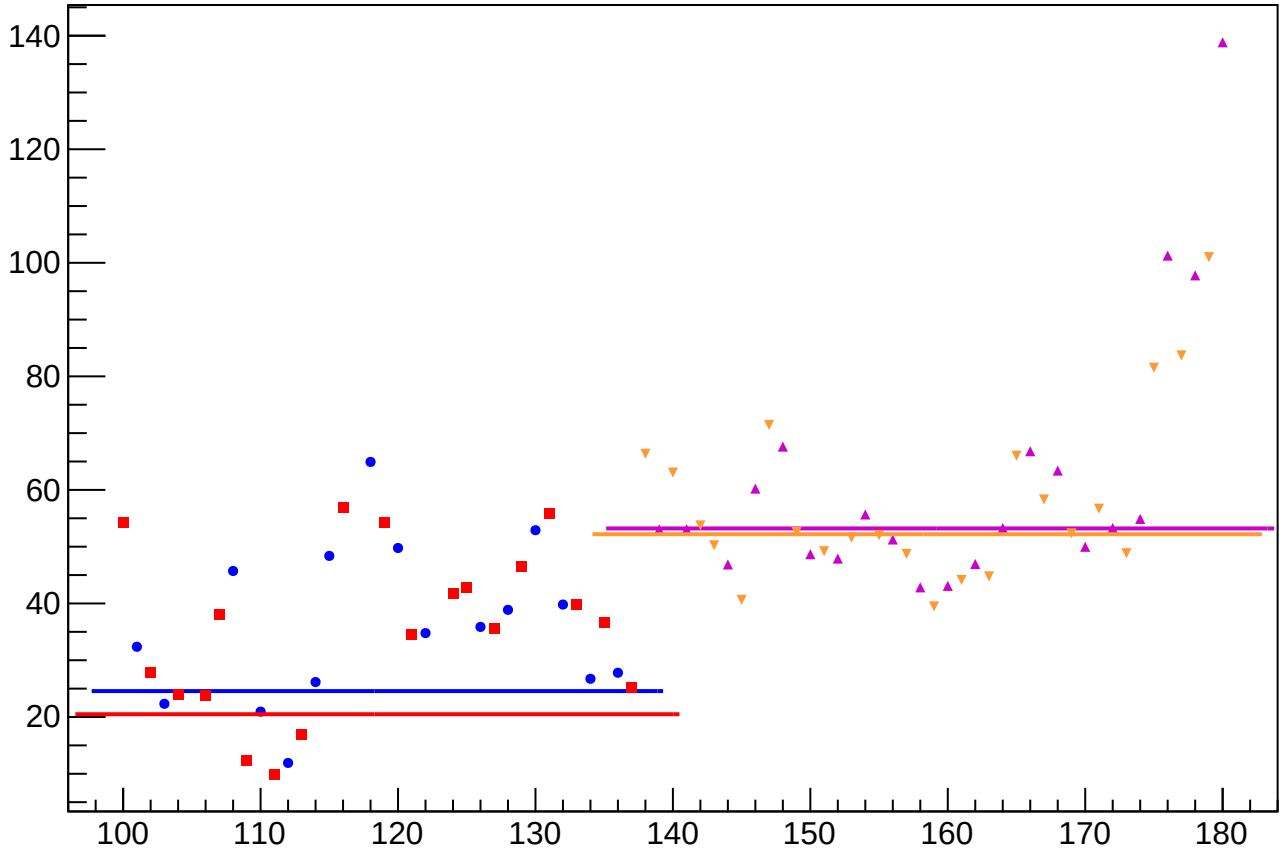
Left In: -0.009+/-0.013 χ^2/NDF:18.0/20

+ sign 0.002+/-0.008 χ^2/NDF: 42.3/37

All: -0.001+/-0.006 χ^2/NDF: 73.3/77

- 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: 52.196+/-0.009 χ^2/NDF:1512782.3/21

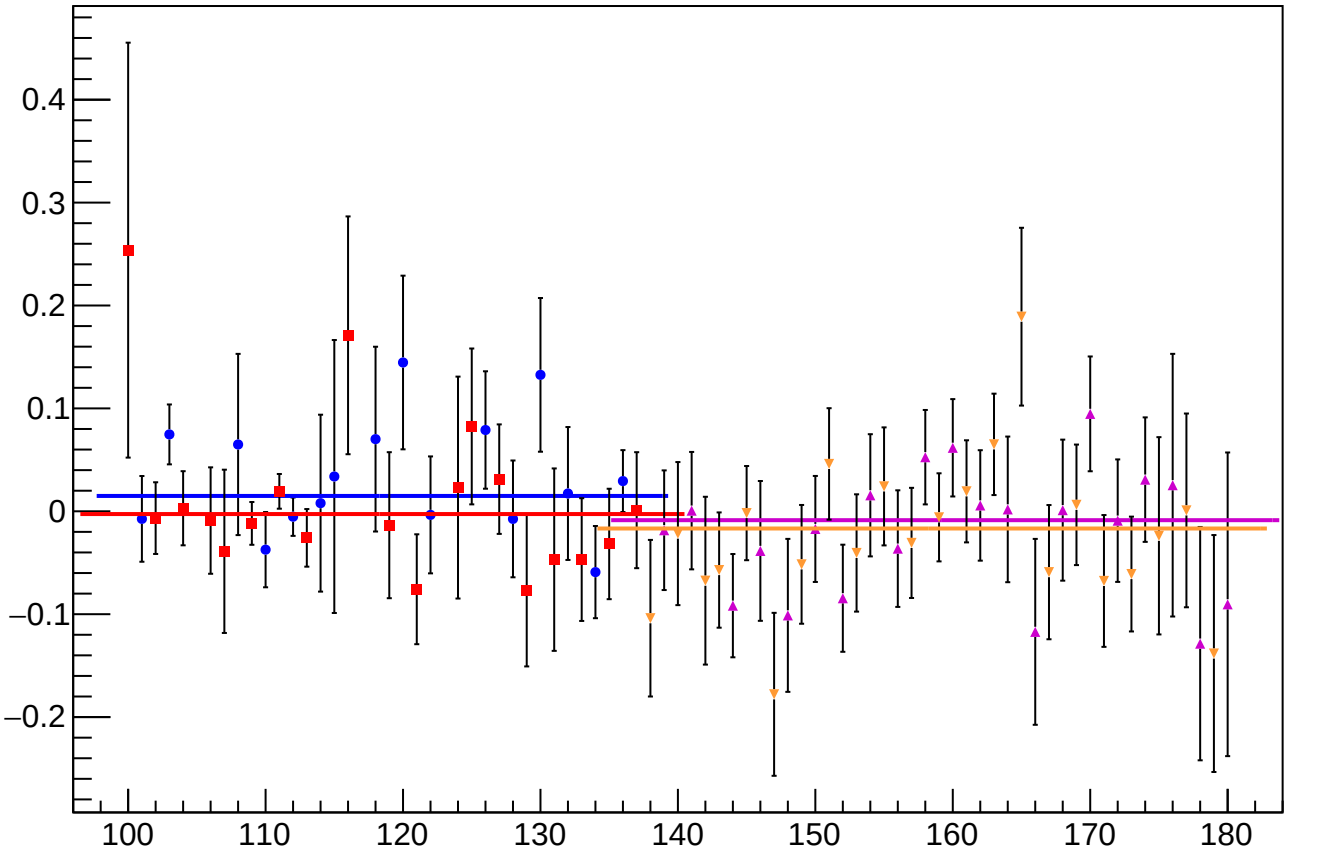
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.211+/-0.009 χ^2/NDF:1755475.4/20

+ sign 35.648+/-0.006 χ^2/NDF: 9460579.4/37

All: 33.178+/-0.004 χ^2/NDF: 23264378.4/77

- 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:21.0/21

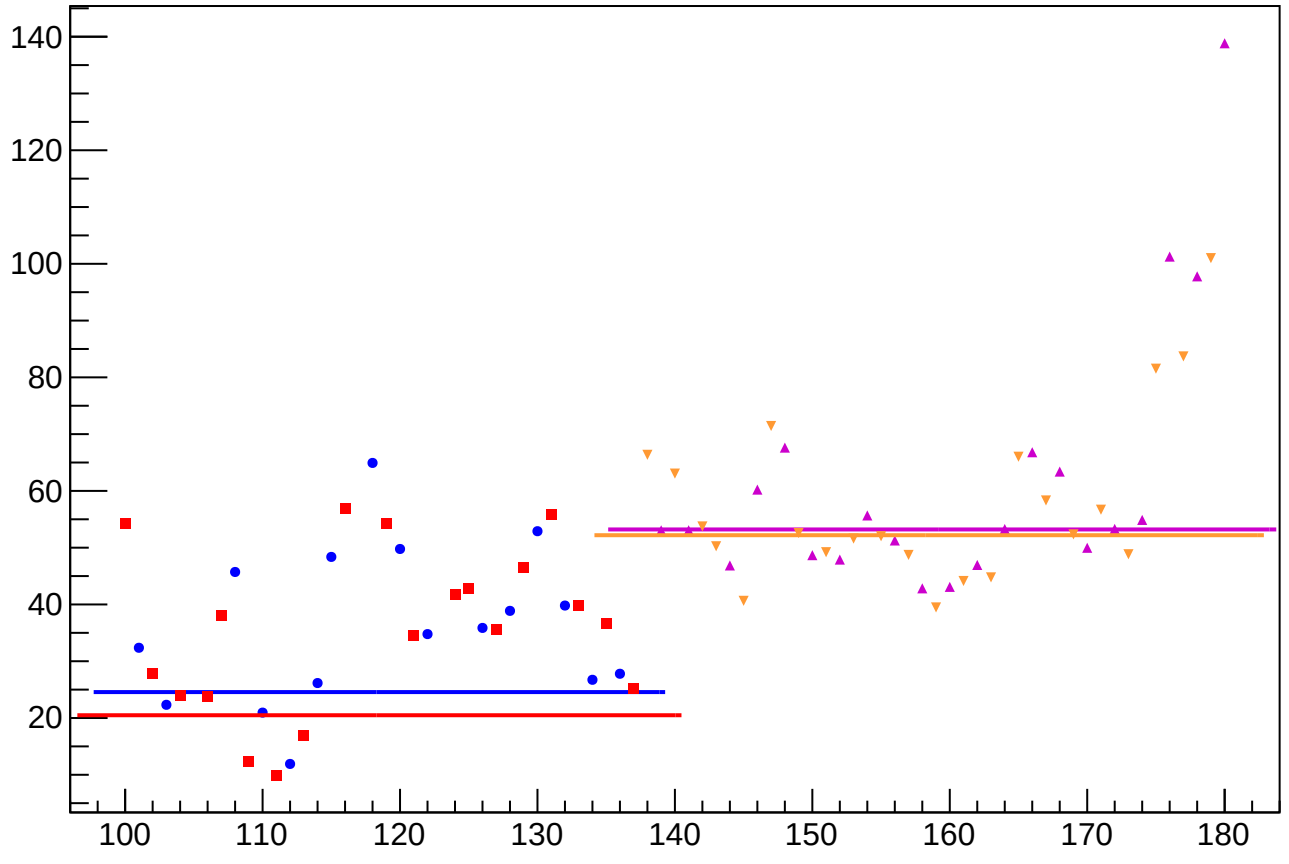
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.009+/-0.013 χ^2/NDF:18.0/20

+ sign 0.002+/-0.008 χ^2/NDF: 42.3/37

All: -0.001+/-0.006 χ^2/NDF: 73.3/77

- sign -0.005+/-0.008 χ^2/NDF: 30.6/39



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512782.3/21

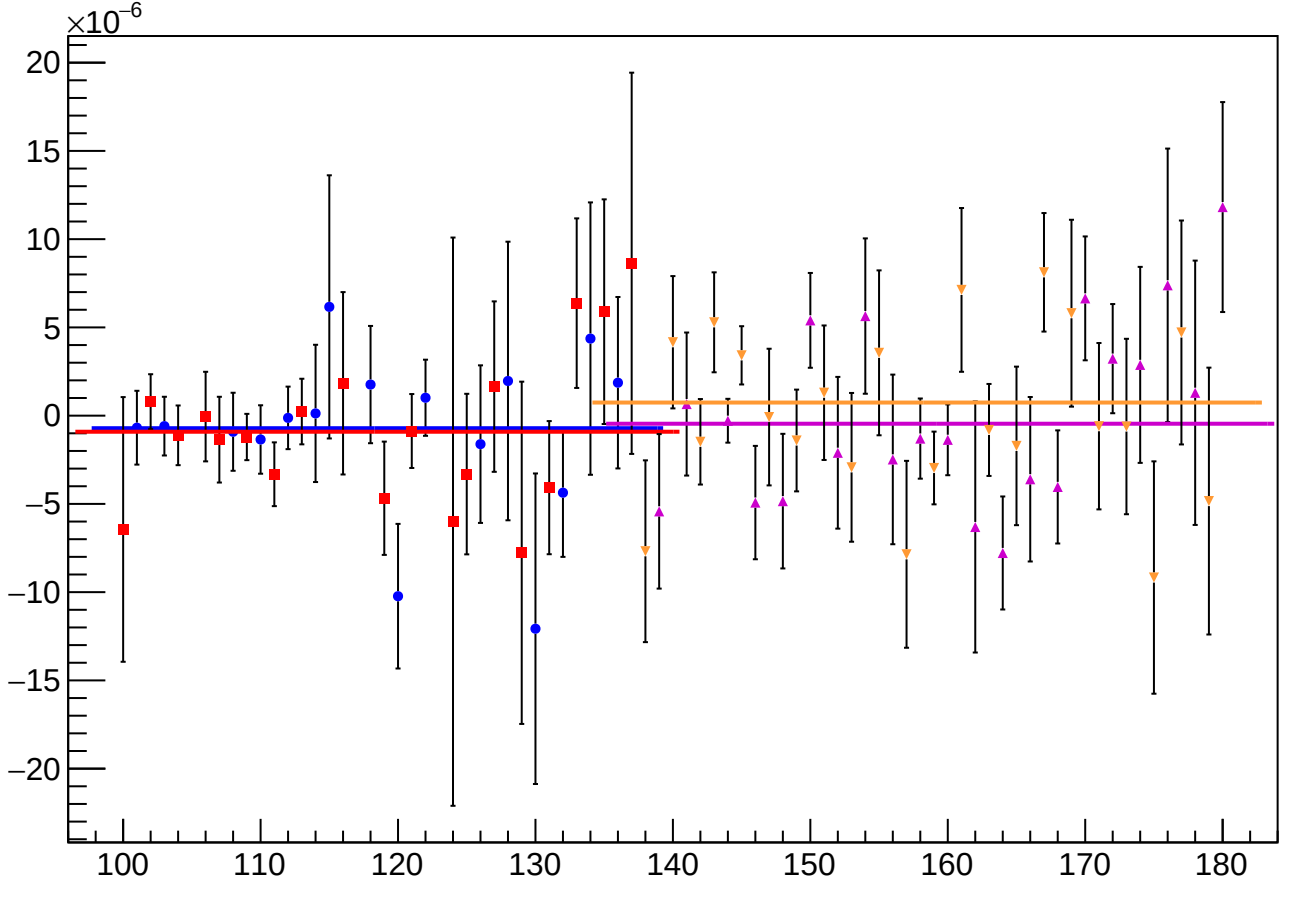
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.211+/-0.009 χ^2/NDF:1755475.4/20

+ sign 35.648+/-0.006 χ^2/NDF: 9460579.4/37

All: 33.178+/-0.004 χ^2/NDF: 23264378.4/77

- sign 31.057+/-0.005 χ^2/NDF: 13466000.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

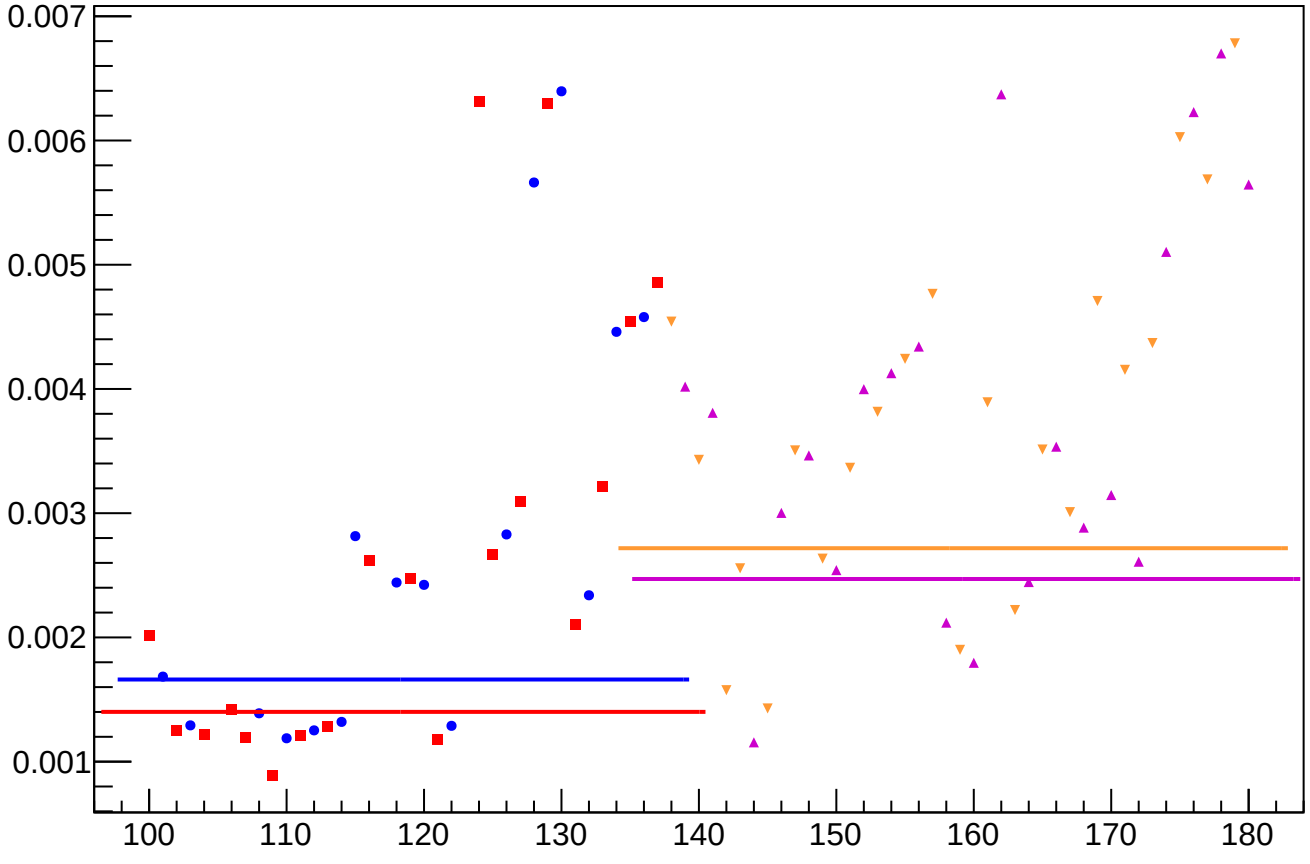
Left In: -0.000+/-0.000 χ^2/NDF:30.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/37

All: -0.000+/-0.000 χ^2/NDF: 86.2/77

- 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:5590011.6/21

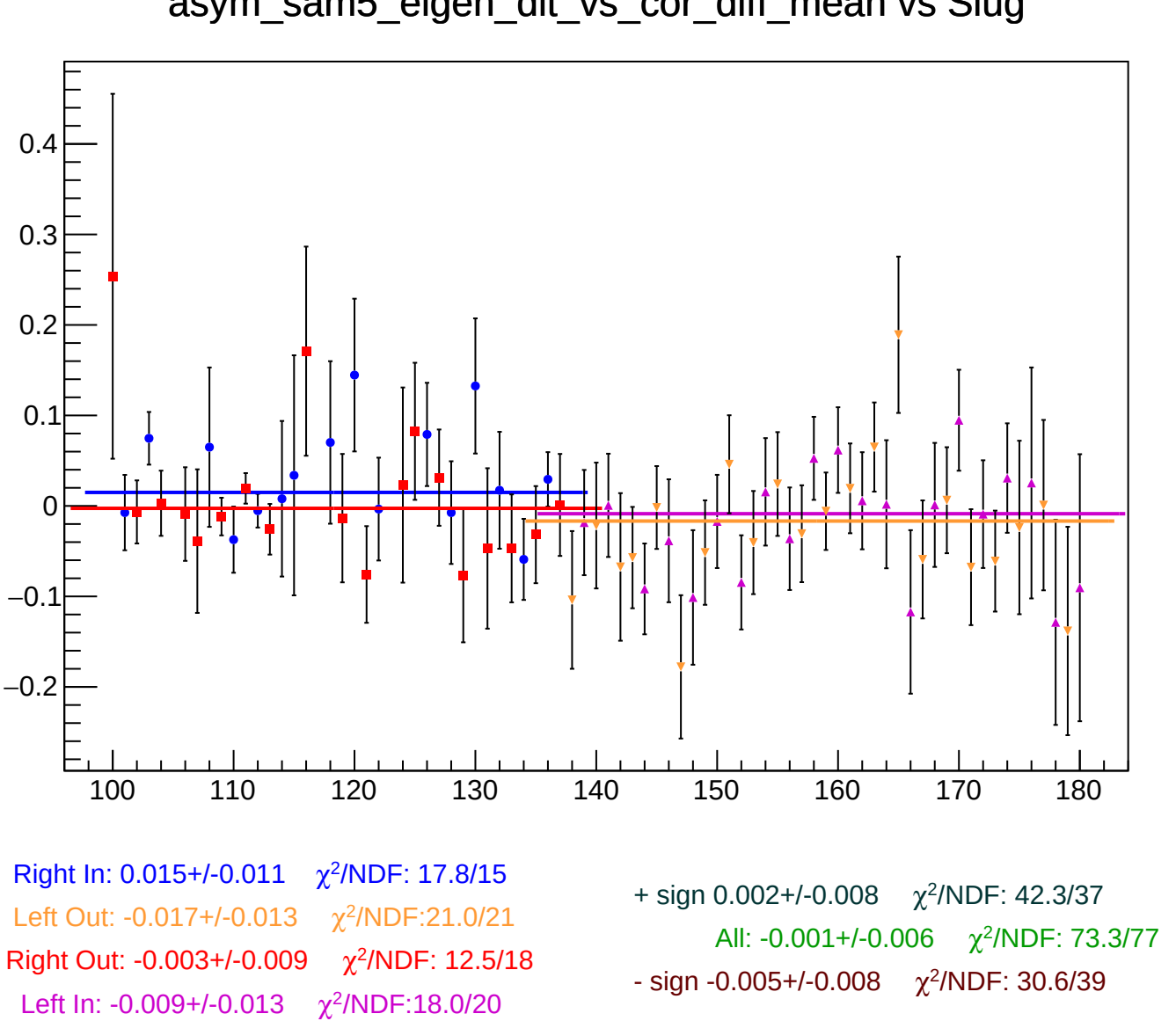
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:6963519.7/20

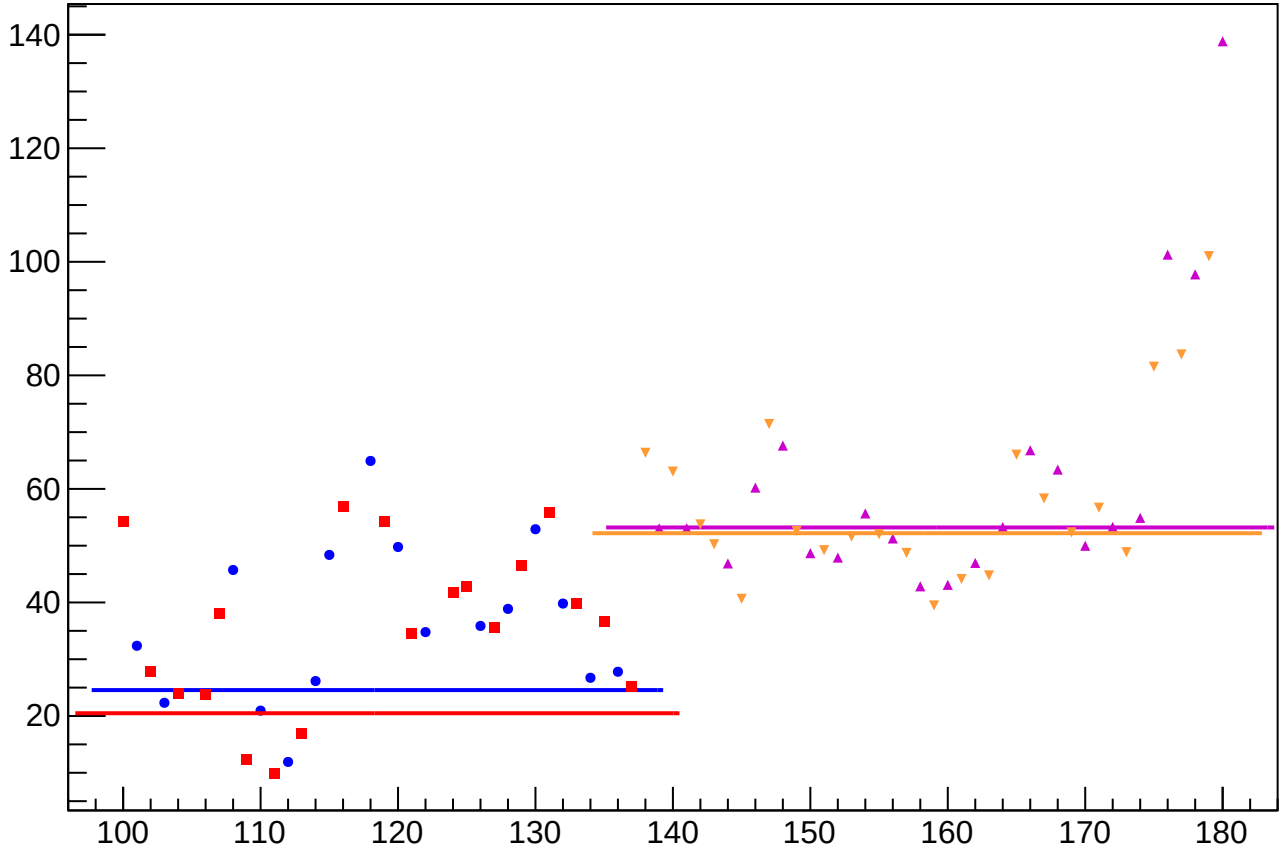
+ sign 0.002+/-0.000 χ^2/NDF: 10742734.0/37

All: 0.002+/-0.000 χ^2/NDF: 23913694.7/77

- 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:21.0/21
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: 42.3/37
All: -0.001+/-0.006 χ²/NDF: 73.3/77
- 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: 52.196+/-0.009 χ^2/NDF:1512851.0/21

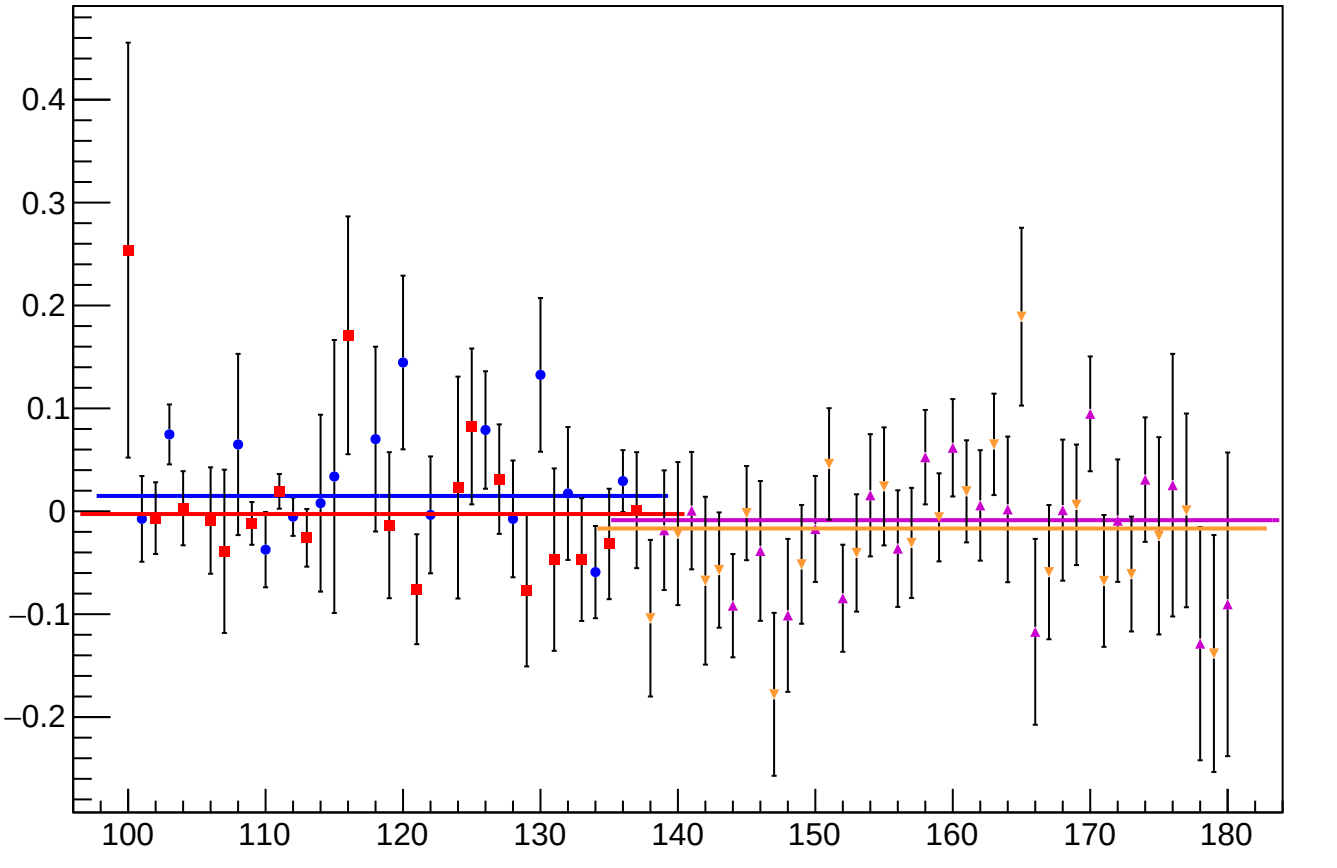
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.211+/-0.009 χ^2/NDF:1755518.4/20

+ sign 35.647+/-0.006 χ^2/NDF: 9460905.6/37

All: 33.177+/-0.004 χ^2/NDF: 23265167.4/77

- sign 31.057+/-0.005 χ^2/NDF: 13466434.9/39



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

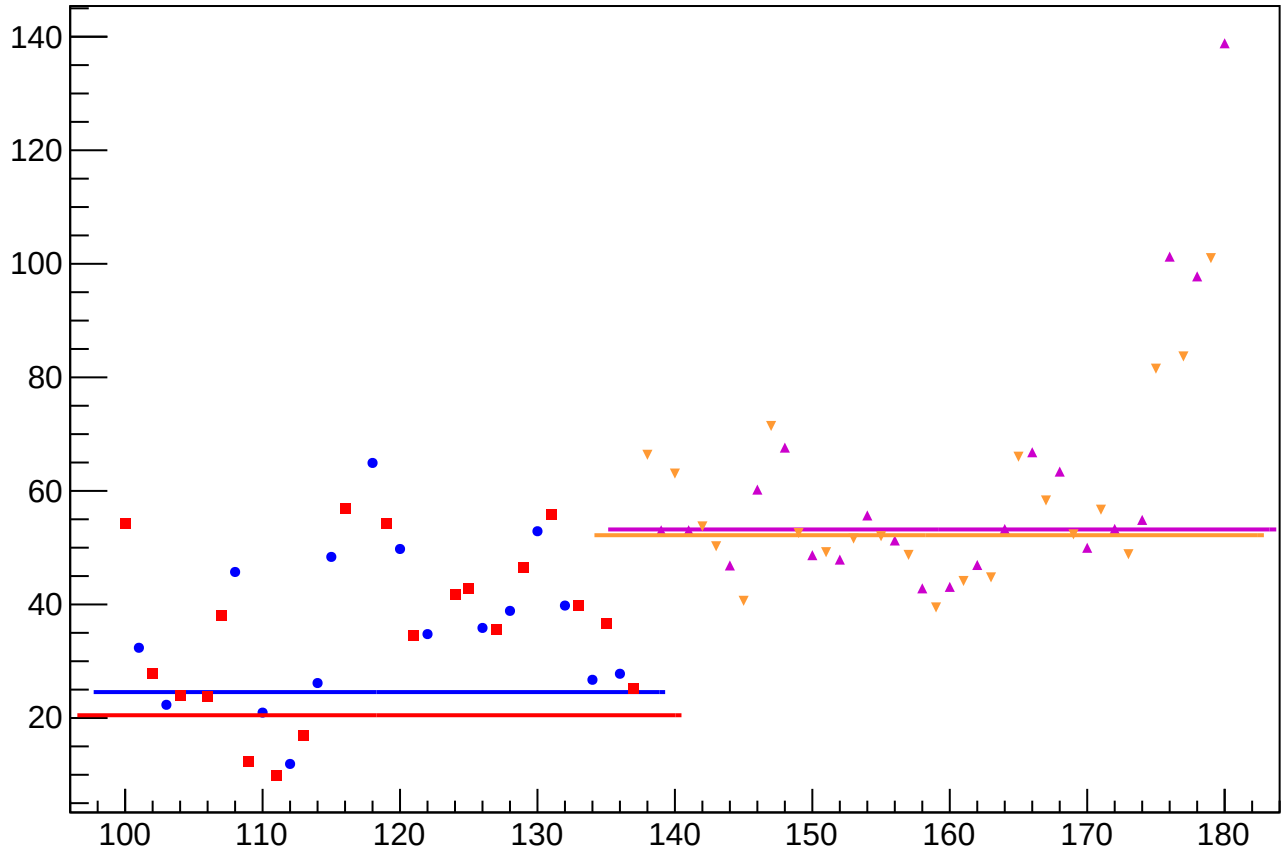
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.009+/-0.013 χ^2/NDF:18.0/20

+ sign 0.002+/-0.008 χ^2/NDF: 42.3/37

All: -0.001+/-0.006 χ^2/NDF: 73.3/77

- sign -0.005+/-0.008 χ^2/NDF: 30.6/39



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512851.0/21

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

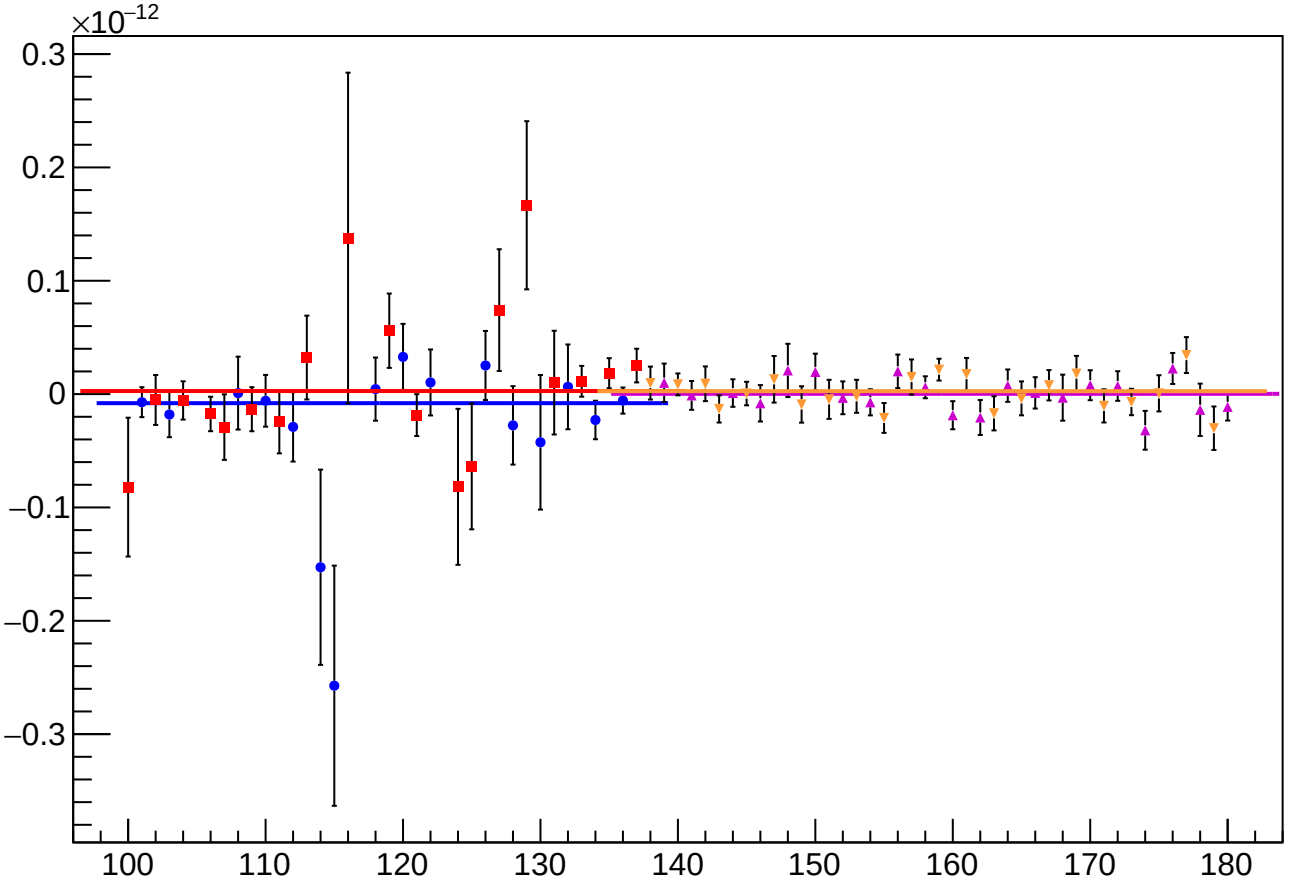
Left In: 53.211+/-0.009 χ^2/NDF:1755518.4/20

+ sign 35.647+/-0.006 χ^2/NDF: 9460905.6/37

All: 33.177+/-0.004 χ^2/NDF: 23265167.4/77

- 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:23.9/21

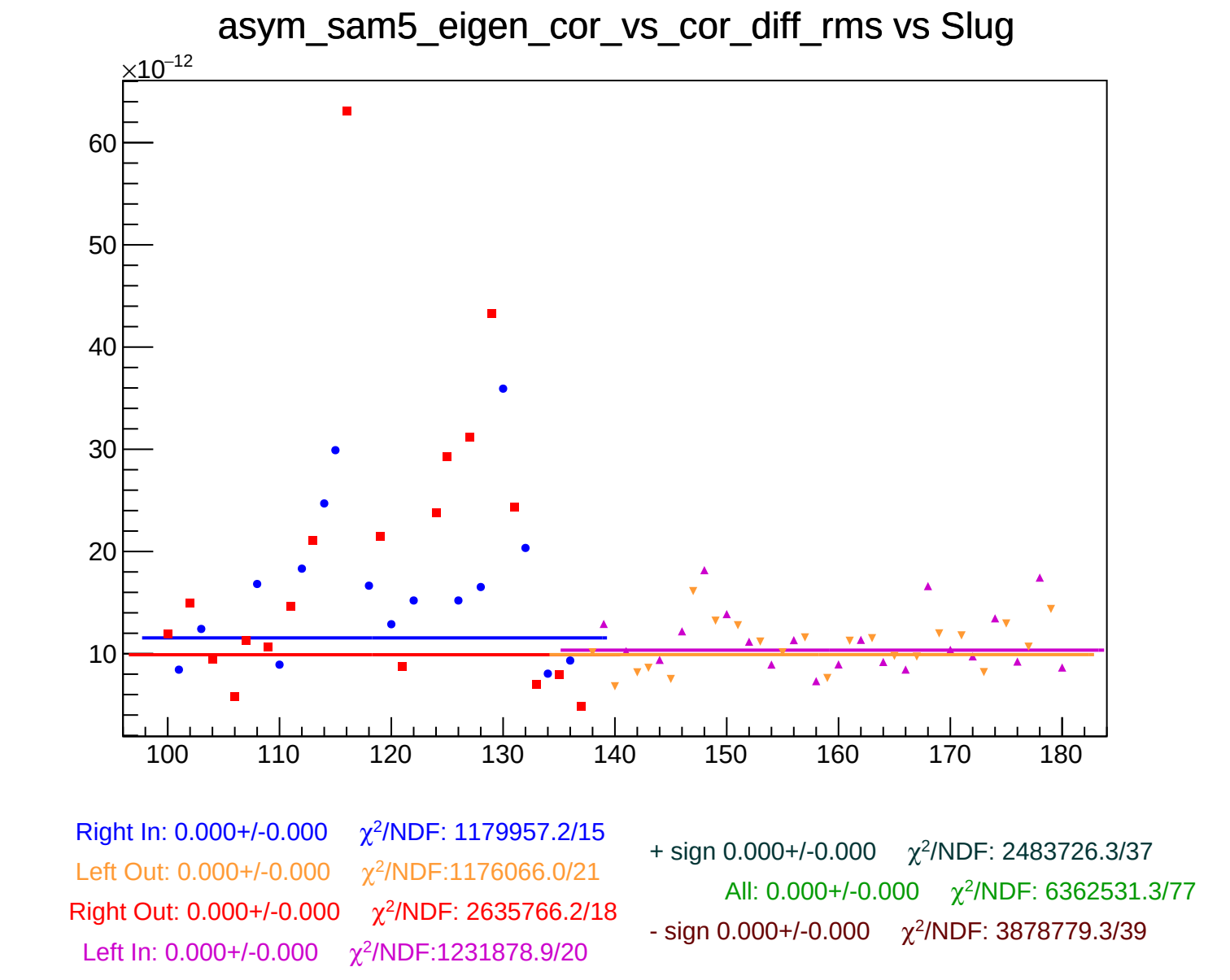
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/20

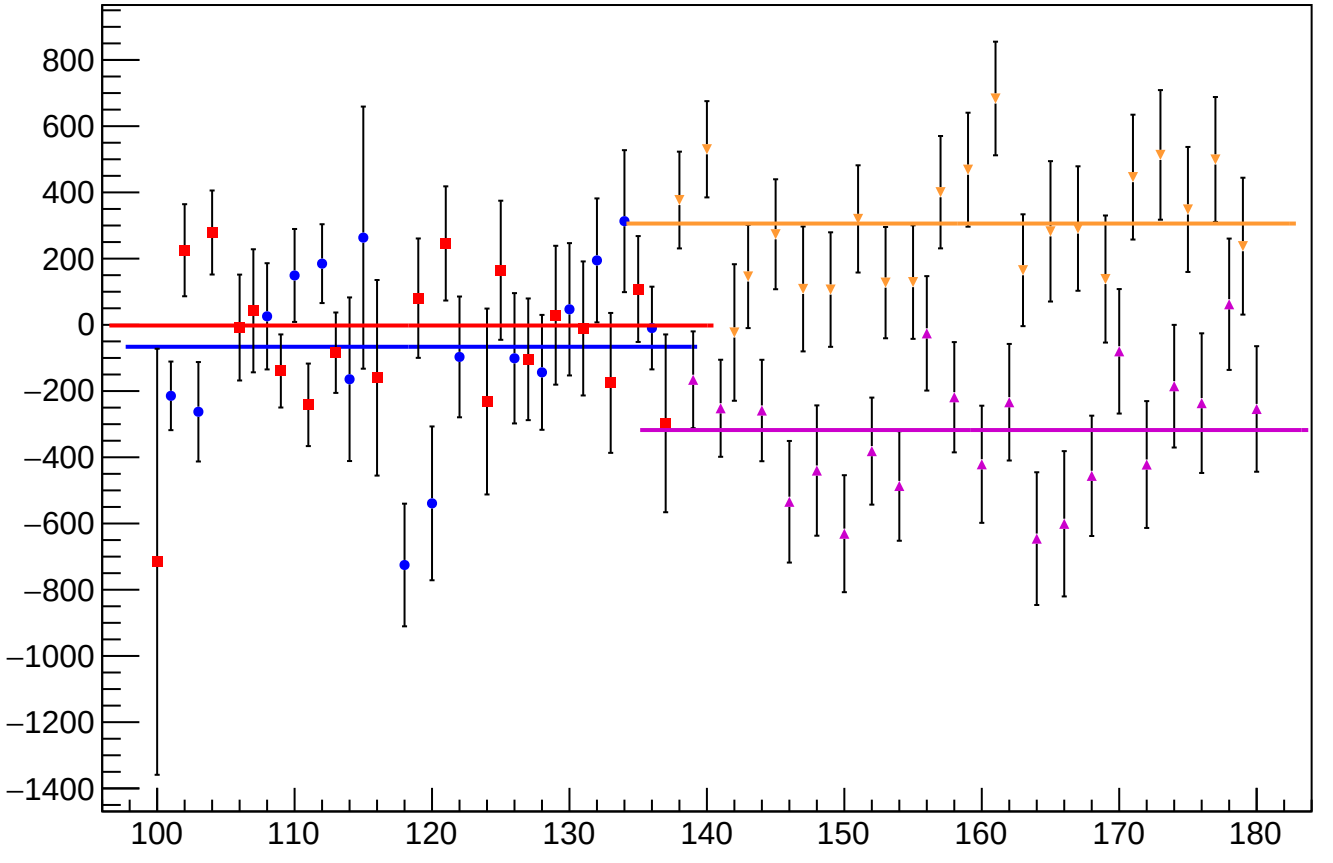
+ sign 0.000+/-0.000 χ^2/NDF: 41.1/37

All: 0.000+/-0.000 χ^2/NDF: 85.4/77

- 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:1176066.0/21
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: 2483726.3/37
All: 0.000+/-0.000 χ²/NDF: 6362531.3/77
- 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: 305.921+/-37.445 χ^2/NDF:21.3/21

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

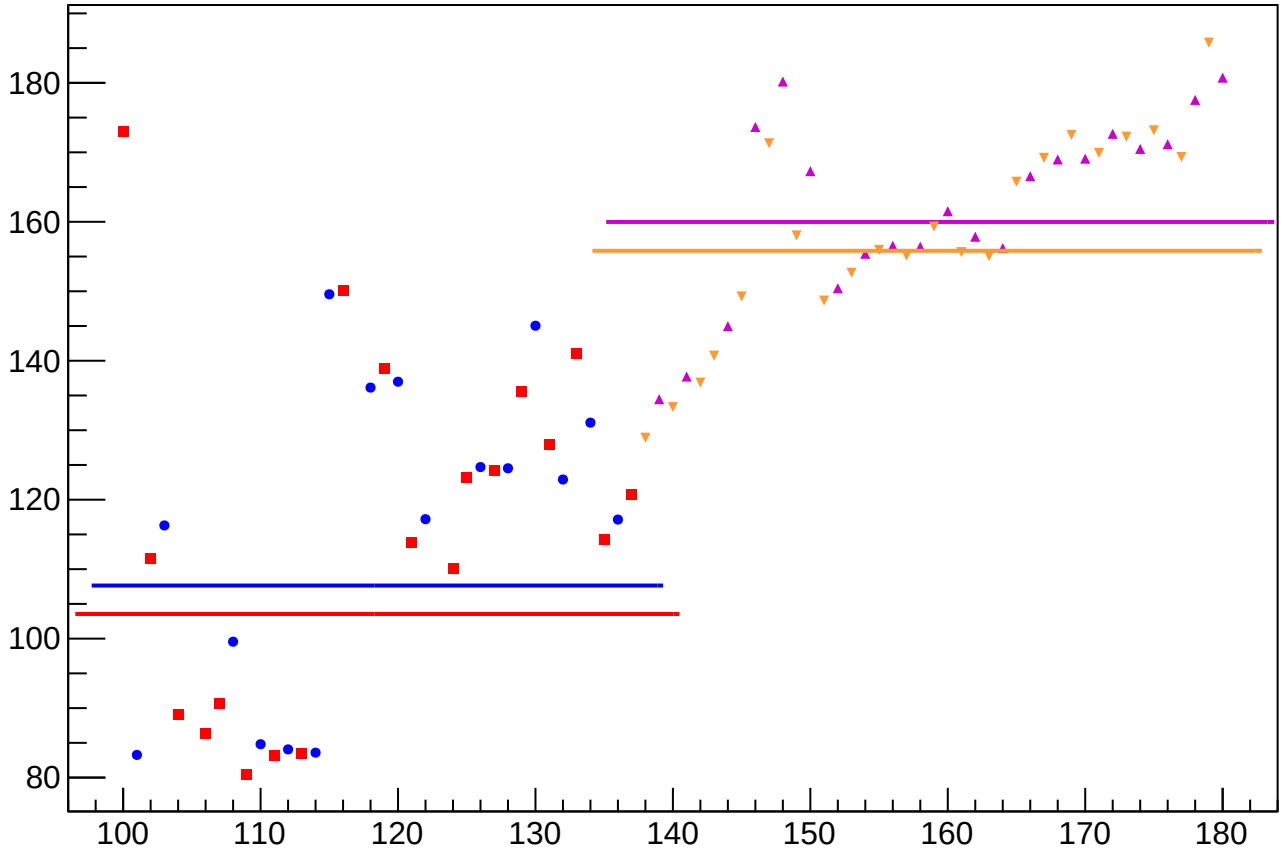
Left In: -317.720+/-38.679 χ^2/NDF:22.6/20

+ sign 136.393+/-27.630 χ^2/NDF: 100.7/37

All: -13.272+/-19.461 χ^2/NDF: 235.8/77

- 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: 155.828+/-0.026 χ^2/NDF:297865.4/21

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

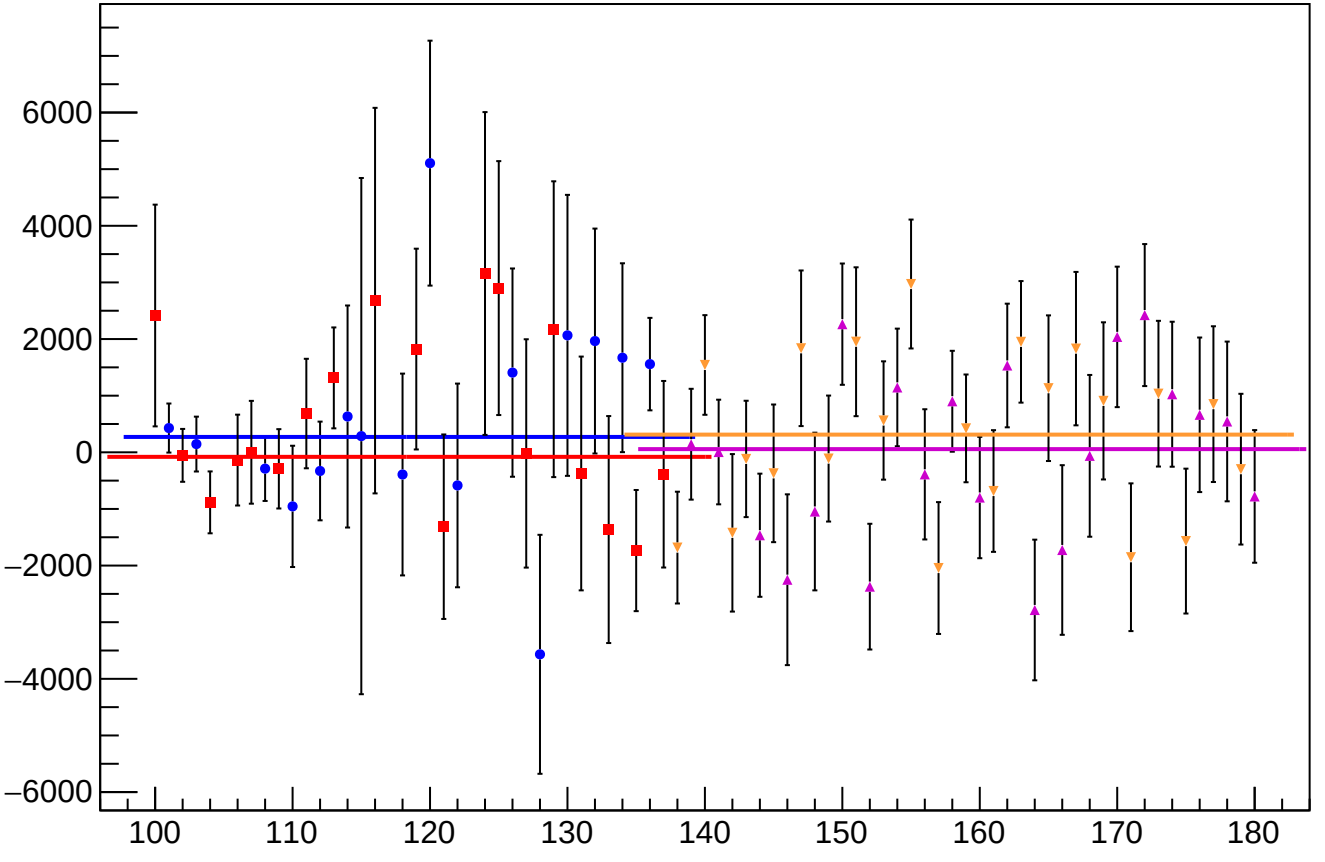
Left In: 159.980+/-0.027 χ^2/NDF:245113.1/20

+ sign 133.878+/-0.020 χ^2/NDF: 2339257.8/37

All: 132.882+/-0.014 χ^2/NDF: 5325076.0/77

- 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: 312.509+/-248.391 χ^2/NDF:31.3/21

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

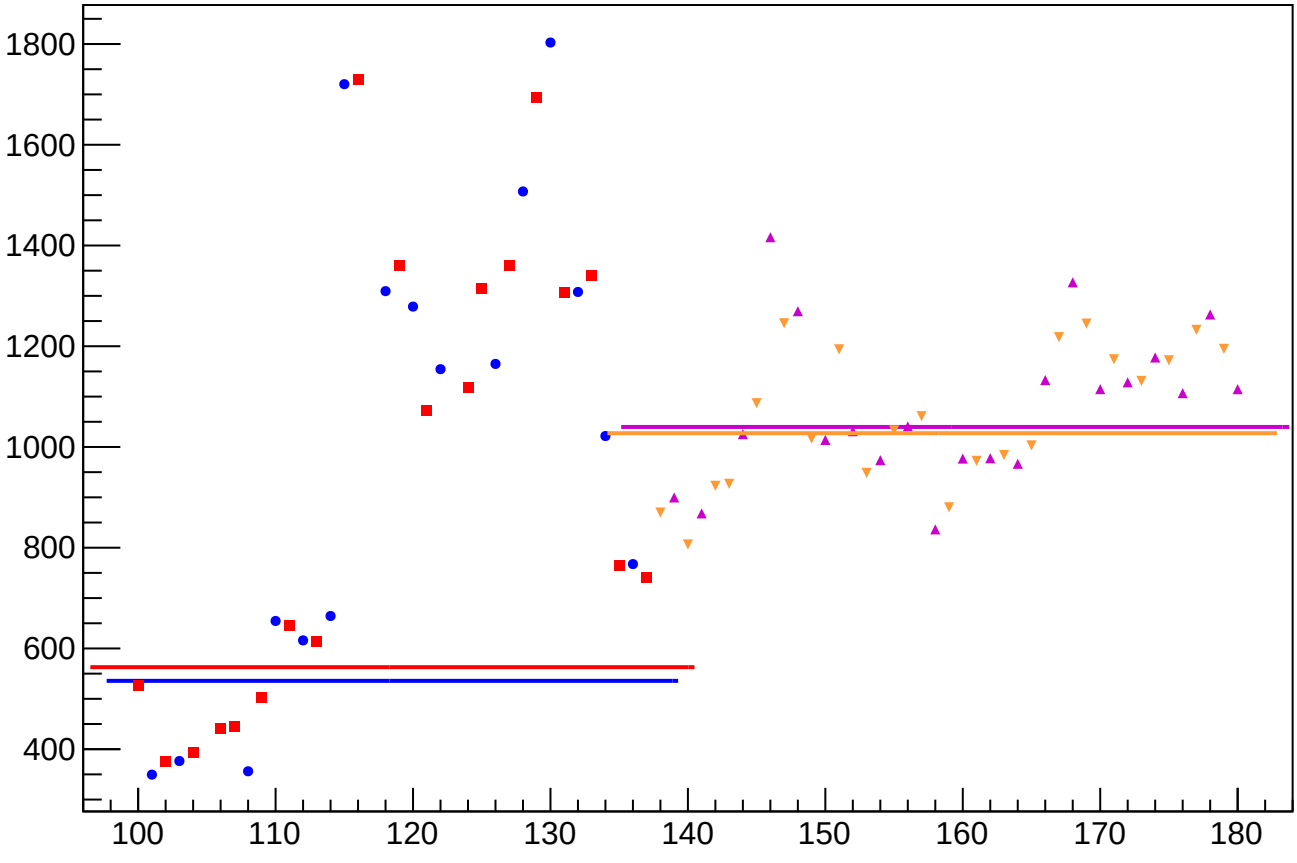
Left In: 56.327+/-253.150 χ^2/NDF:32.7/20

+ sign 290.491+/-169.023 χ^2/NDF: 47.8/37

All: 138.240+/-120.245 χ^2/NDF: 98.3/77

- 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: 1027.331+/-0.176 χ^2/NDF:594046.4/21

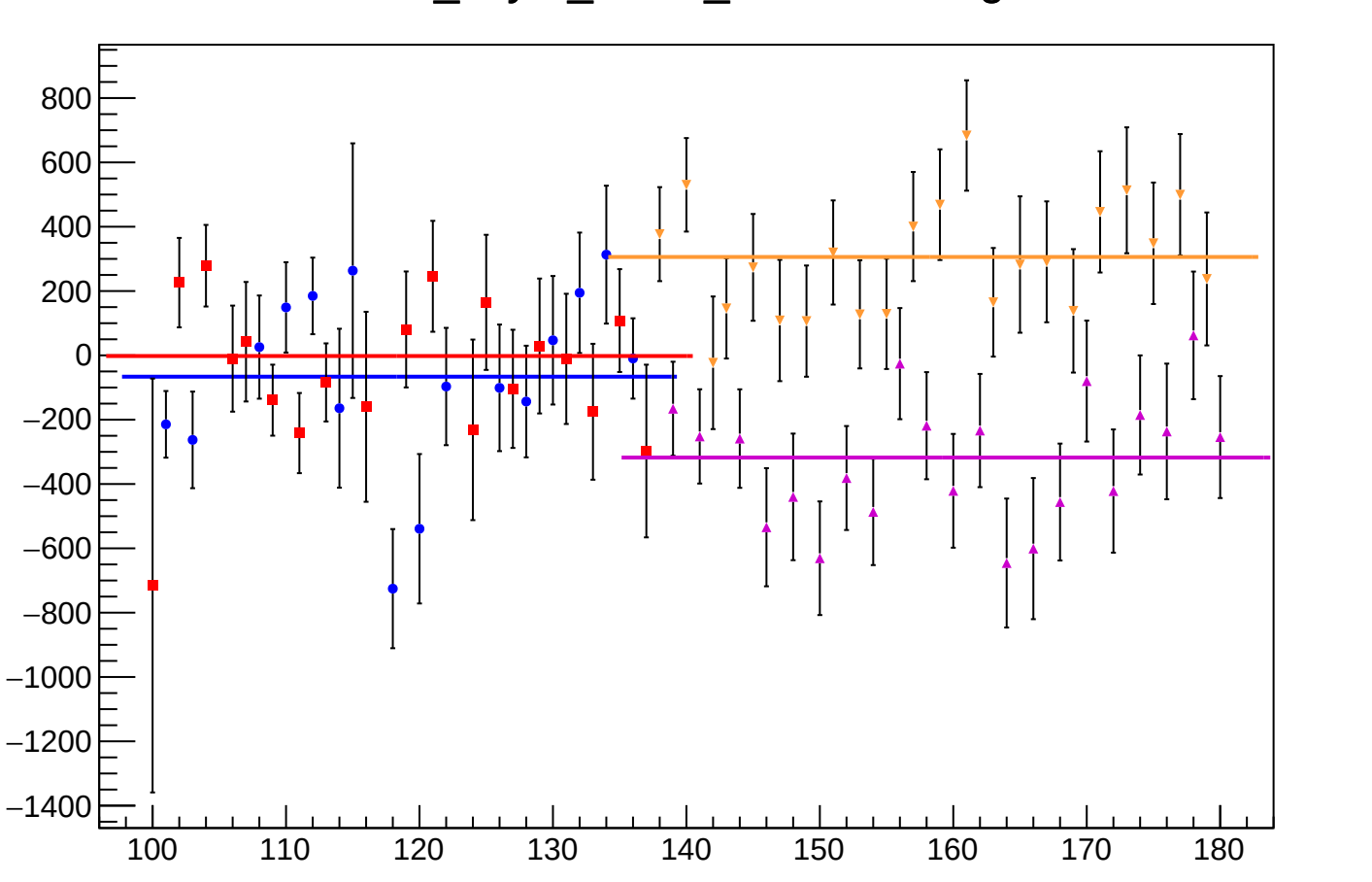
Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1039.735+/-0.179 χ^2/NDF:615649.0/20

+ sign 763.337+/-0.120 χ^2/NDF: 8433756.6/37

All: 771.911+/-0.085 χ^2/NDF: 16026145.6/77

- sign 780.697+/-0.121 χ^2/NDF: 7581969.0/39



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 305.920+/-37.445 χ^2/NDF:21.3/21

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

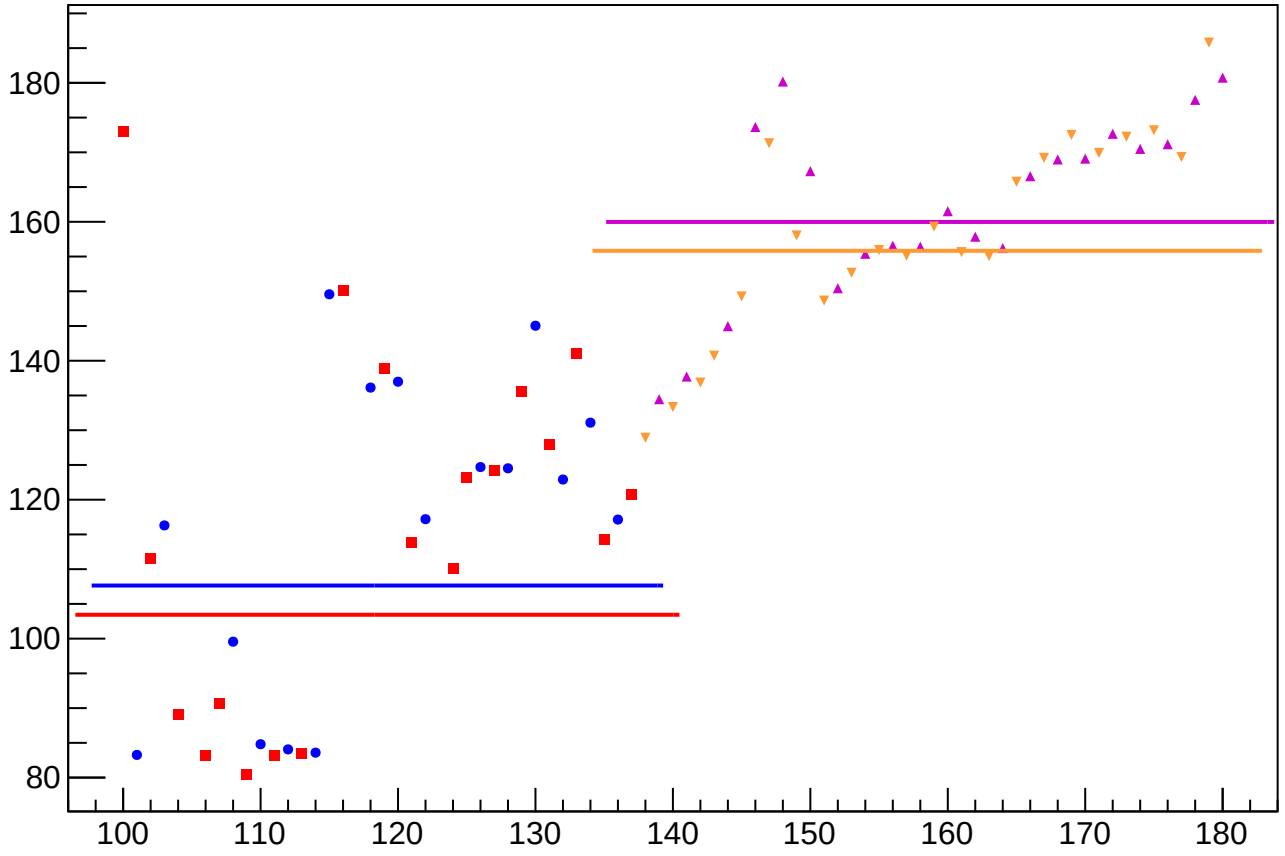
Left In: -317.724+/-38.679 χ^2/NDF:22.6/20

+ sign 136.381+/-27.630 χ^2/NDF: 100.7/37

All: -13.301+/-19.470 χ^2/NDF: 235.8/77

- 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: 155.828+/-0.026 χ^2/NDF:297865.4/21

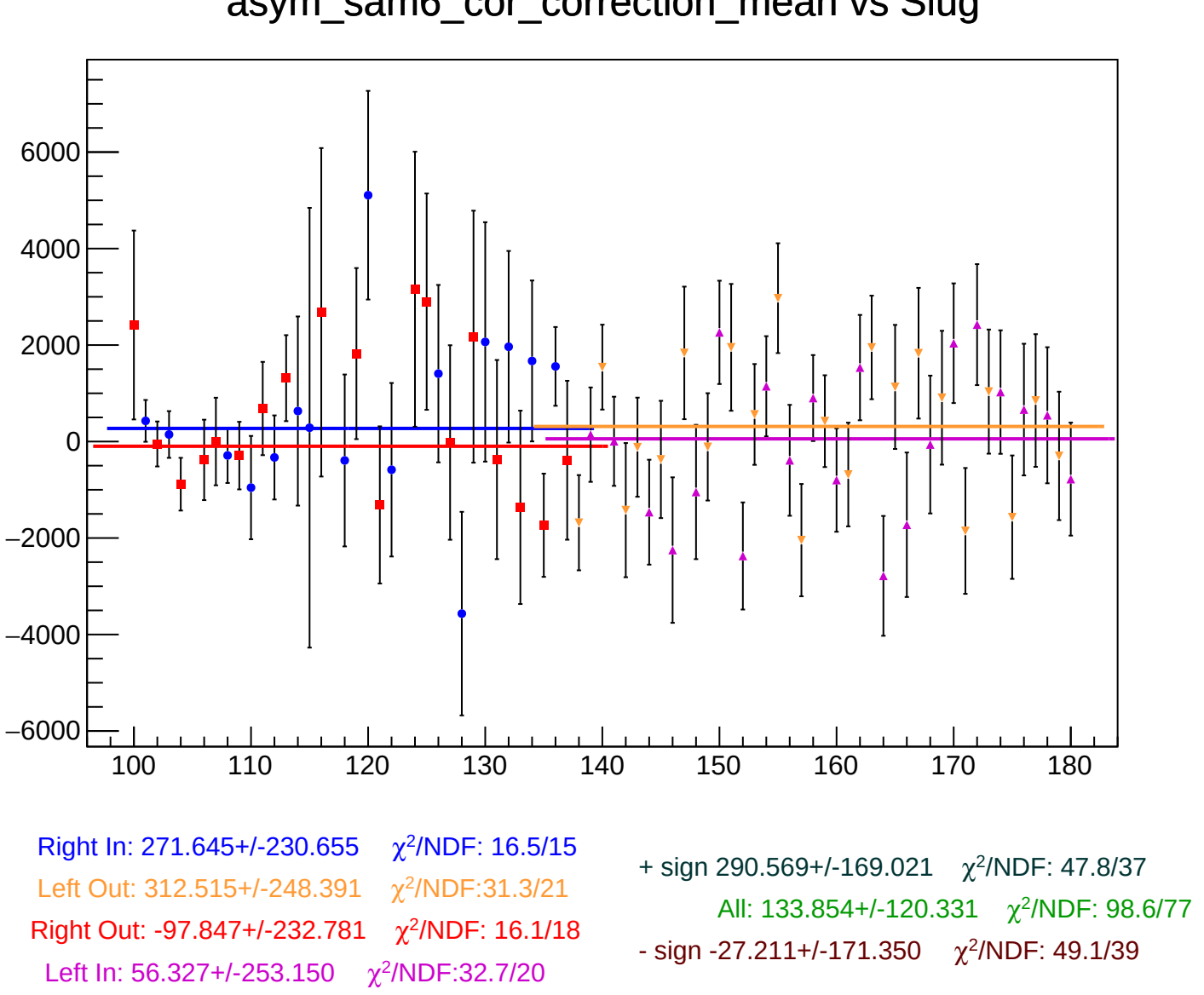
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.980+/-0.027 χ^2/NDF:245113.1/20

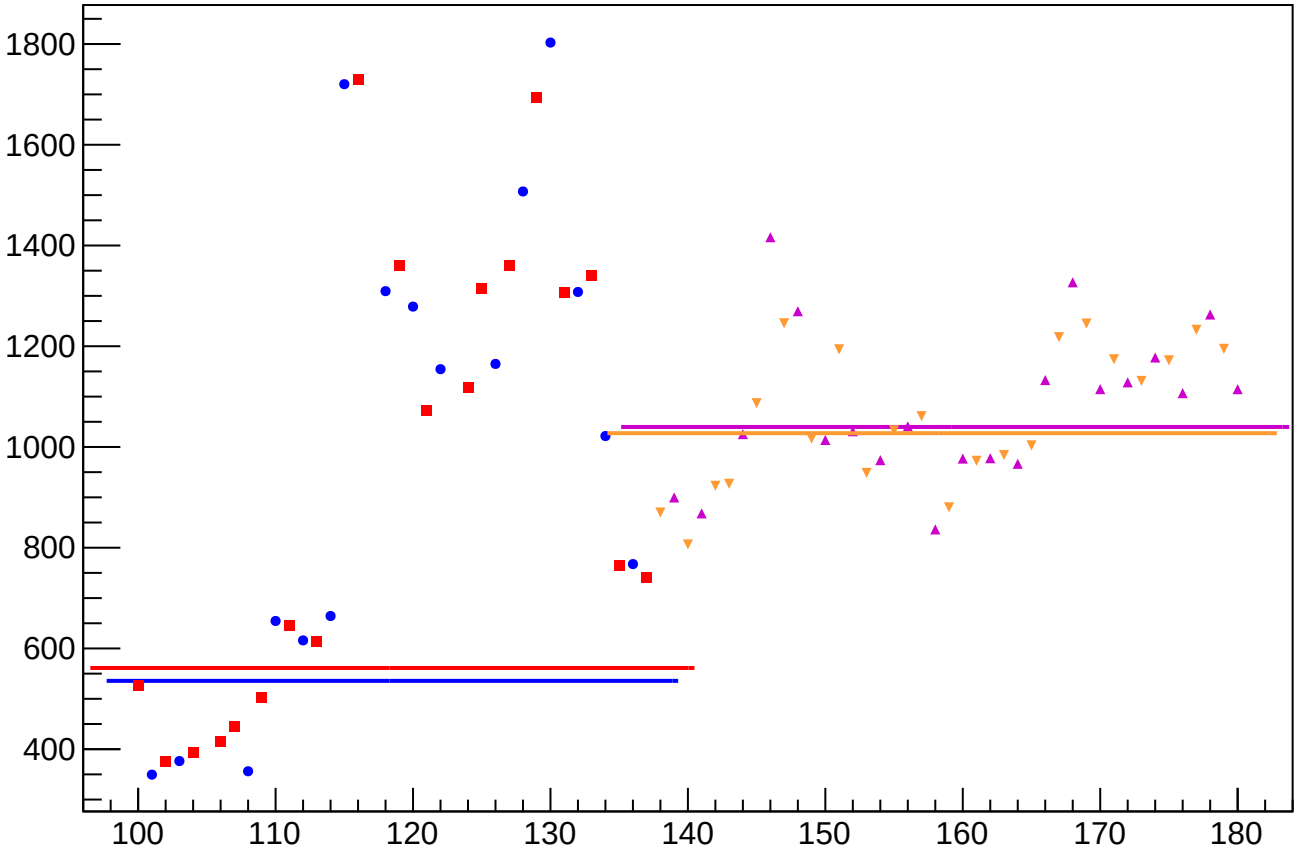
+ sign 133.878+/-0.020 χ^2/NDF: 2339255.2/37

All: 132.881+/-0.014 χ^2/NDF: 5337066.6/77

- sign 131.896+/-0.019 χ^2/NDF: 2992630.0/39


asym_sam6_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 271.645+/-230.655 χ²/NDF: 16.5/15
Left Out: 312.515+/-248.391 χ²/NDF:31.3/21
Right Out: -97.847+/-232.781 χ²/NDF: 16.1/18
Left In: 56.327+/-253.150 χ²/NDF:32.7/20
+ sign 290.569+/-169.021 χ²/NDF: 47.8/37
All: 133.854+/-120.331 χ²/NDF: 98.6/77
- sign -27.211+/-171.350 χ²/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: 1027.331+/-0.176 χ^2/NDF:594045.6/21

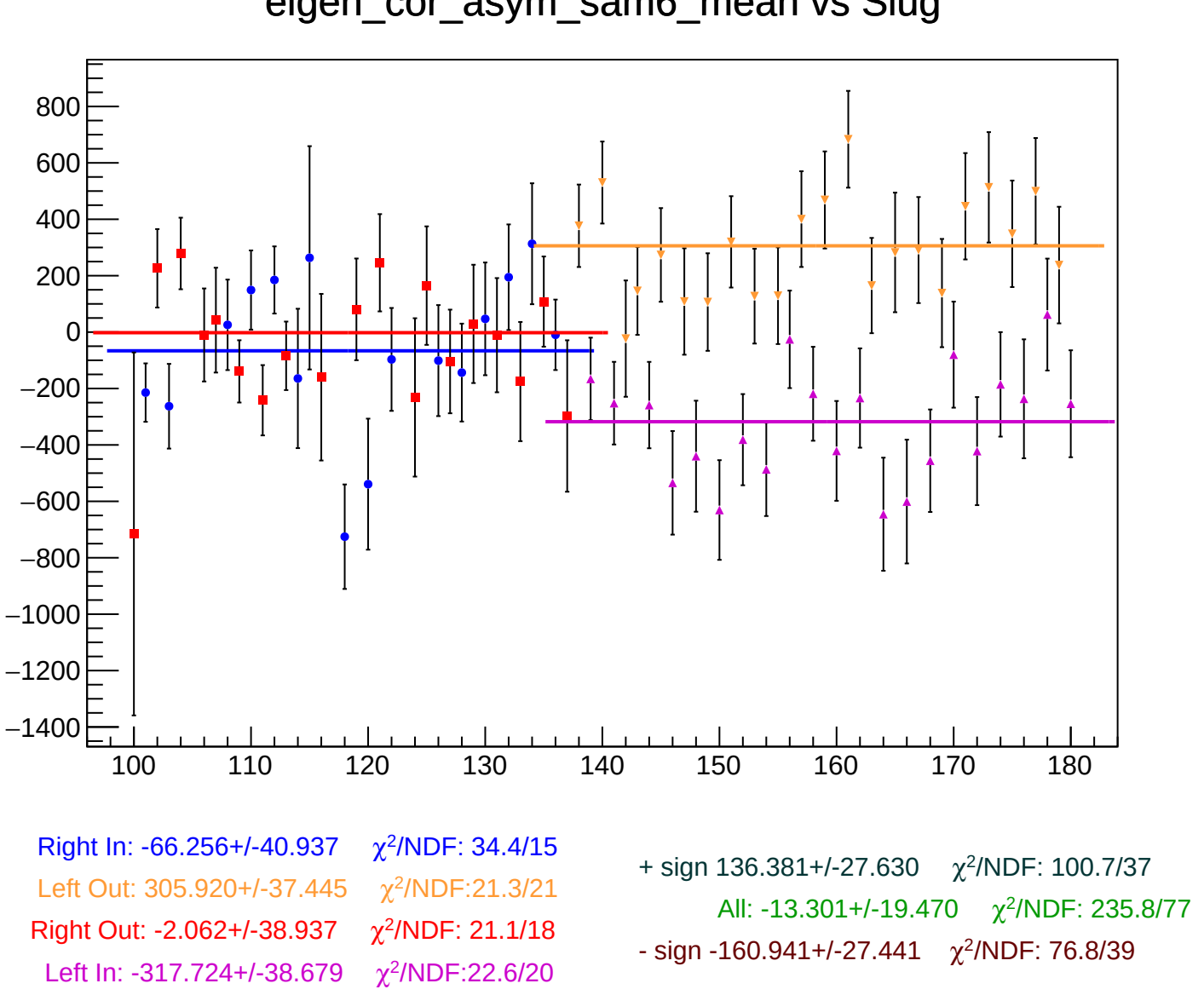
Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1039.735+/-0.179 χ^2/NDF:615646.4/20

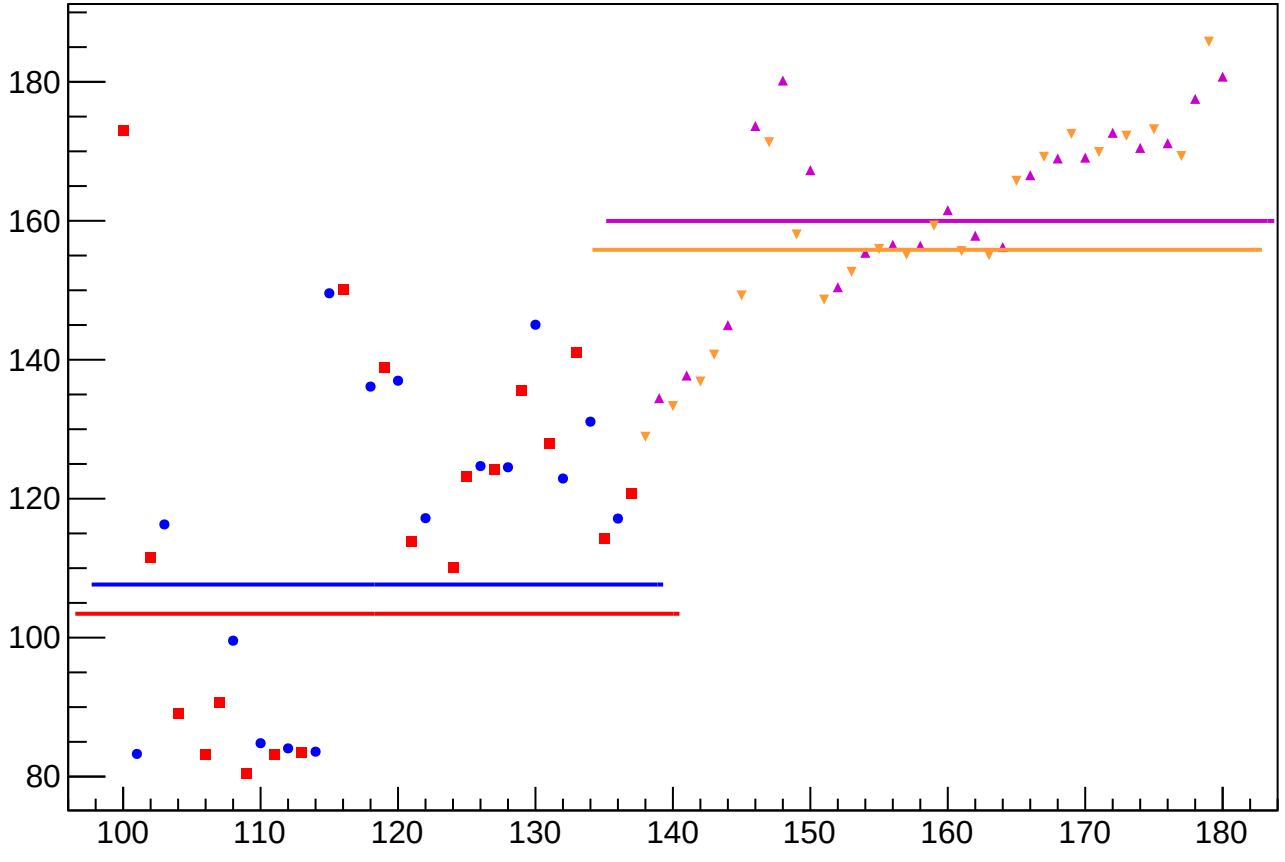
+ sign 763.318+/-0.120 χ^2/NDF: 8434451.8/37

All: 771.783+/-0.085 χ^2/NDF: 16062271.0/77

- sign 780.482+/-0.121 χ^2/NDF: 7617648.3/39


eigen_cor_asym_sam6_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
110
120
130
140
150
160
170
180
Right In: -66.256+/-40.937 χ²/NDF: 34.4/15
Left Out: 305.920+/-37.445 χ²/NDF:21.3/21
Right Out: -2.062+/-38.937 χ²/NDF: 21.1/18
Left In: -317.724+/-38.679 χ²/NDF:22.6/20
+ sign 136.381+/-27.630 χ²/NDF: 100.7/37
All: -13.301+/-19.470 χ²/NDF: 235.8/77
- sign -160.941+/-27.441 χ²/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: 155.828+/-0.026 χ^2/NDF:297865.4/21

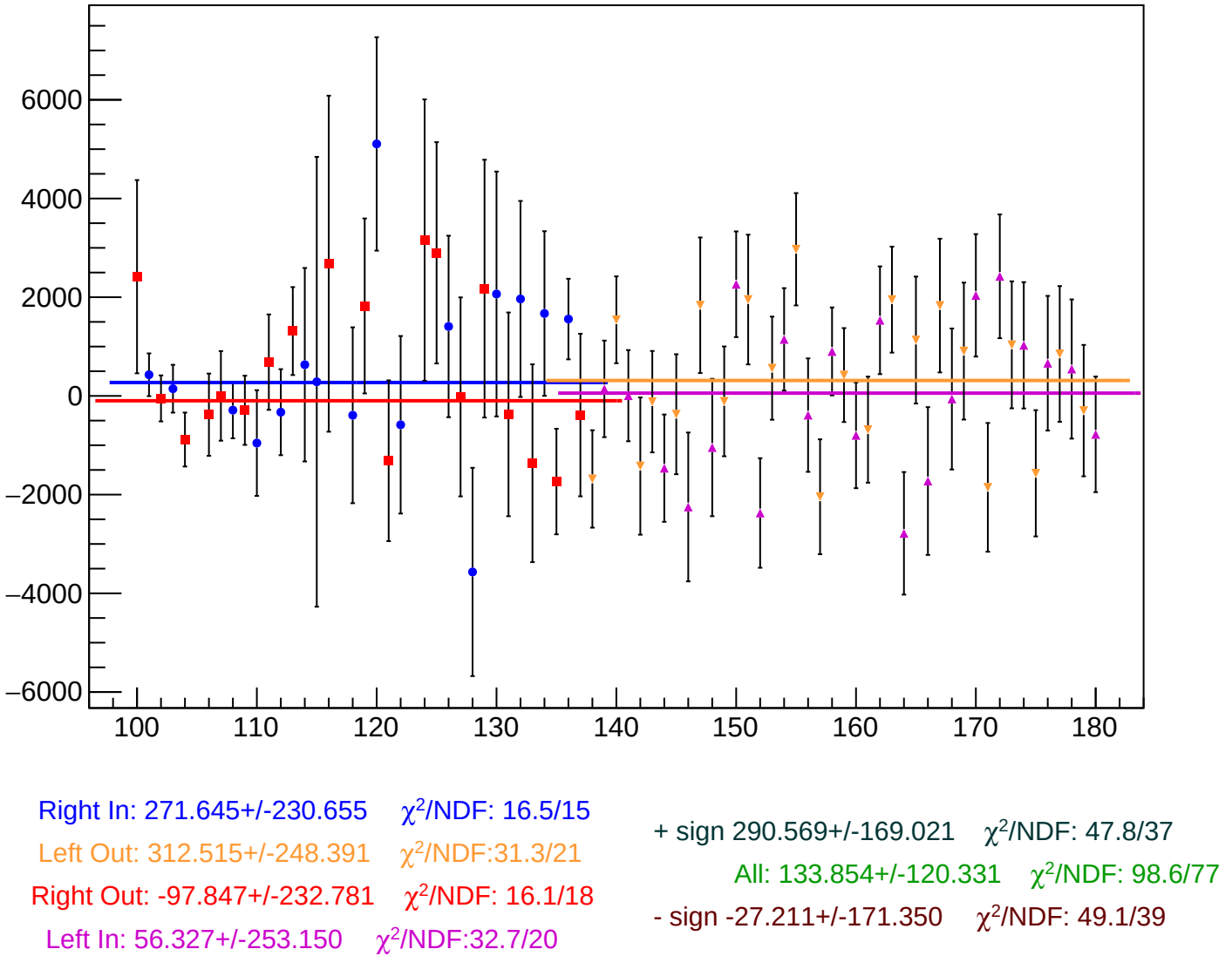
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.980+/-0.027 χ^2/NDF:245113.1/20

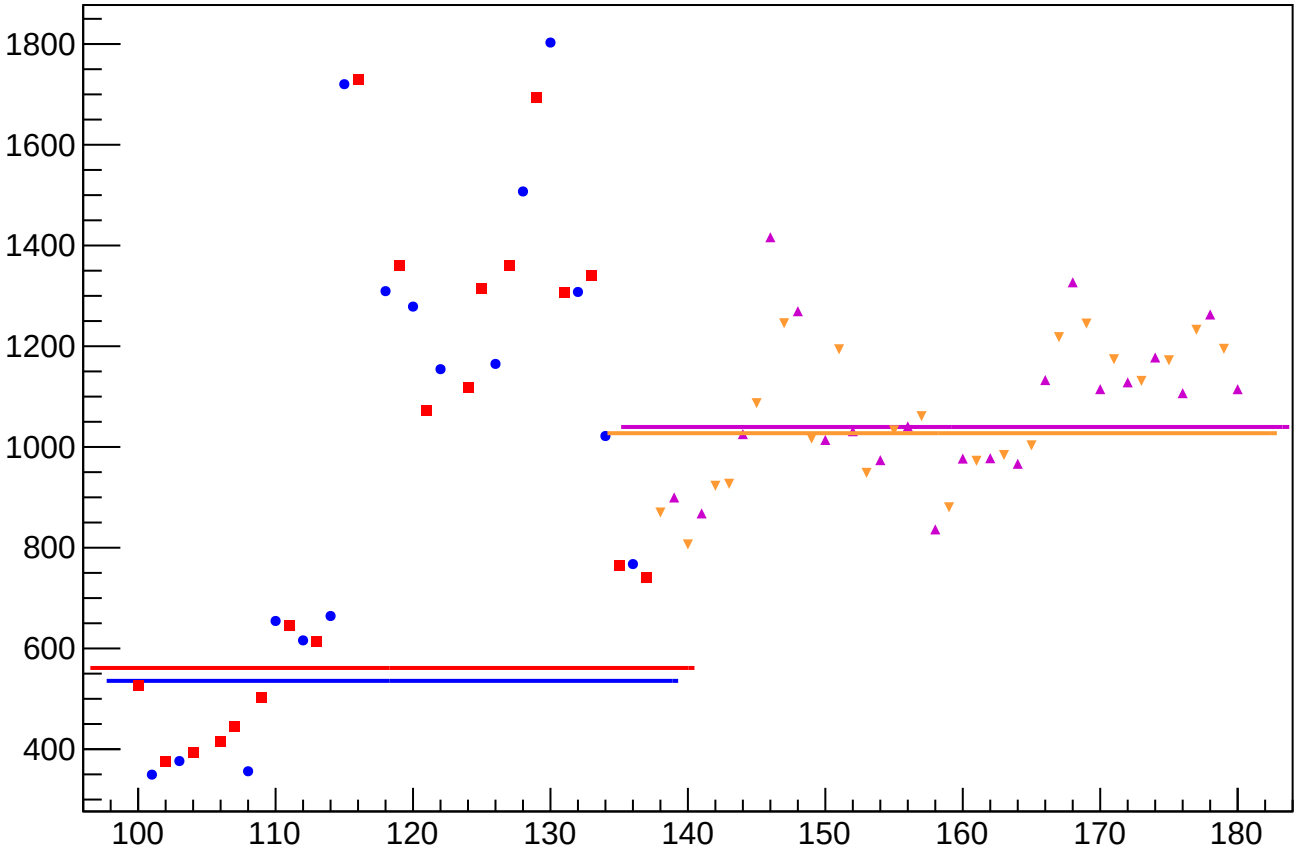
+ sign 133.878+/-0.020 χ^2/NDF: 2339255.2/37

All: 132.881+/-0.014 χ^2/NDF: 5337066.6/77

- sign 131.896+/-0.019 χ^2/NDF: 2992630.0/39


asym_sam6_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 271.645+/-230.655 χ²/NDF: 16.5/15
Left Out: 312.515+/-248.391 χ²/NDF:31.3/21
Right Out: -97.847+/-232.781 χ²/NDF: 16.1/18
Left In: 56.327+/-253.150 χ²/NDF:32.7/20
+ sign 290.569+/-169.021 χ²/NDF: 47.8/37
All: 133.854+/-120.331 χ²/NDF: 98.6/77
- sign -27.211+/-171.350 χ²/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: 1027.331+/-0.176 χ^2/NDF:594045.6/21

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

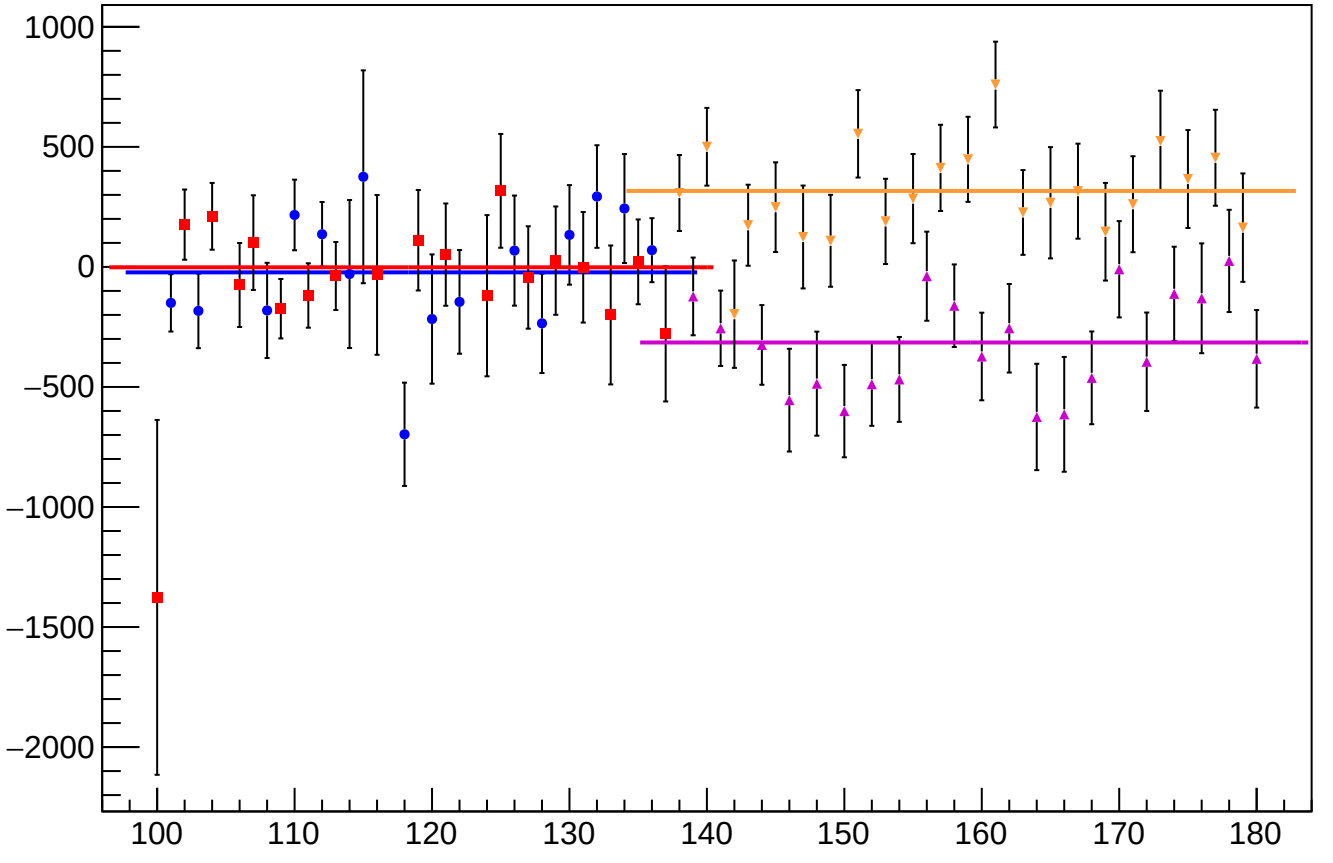
Left In: 1039.735+/-0.179 χ^2/NDF:615646.4/20

+ sign 763.318+/-0.120 χ^2/NDF: 8434451.8/37

All: 771.783+/-0.085 χ^2/NDF: 16062271.0/77

- 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: 316.458+/-40.395 χ^2/NDF:21.7/21

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

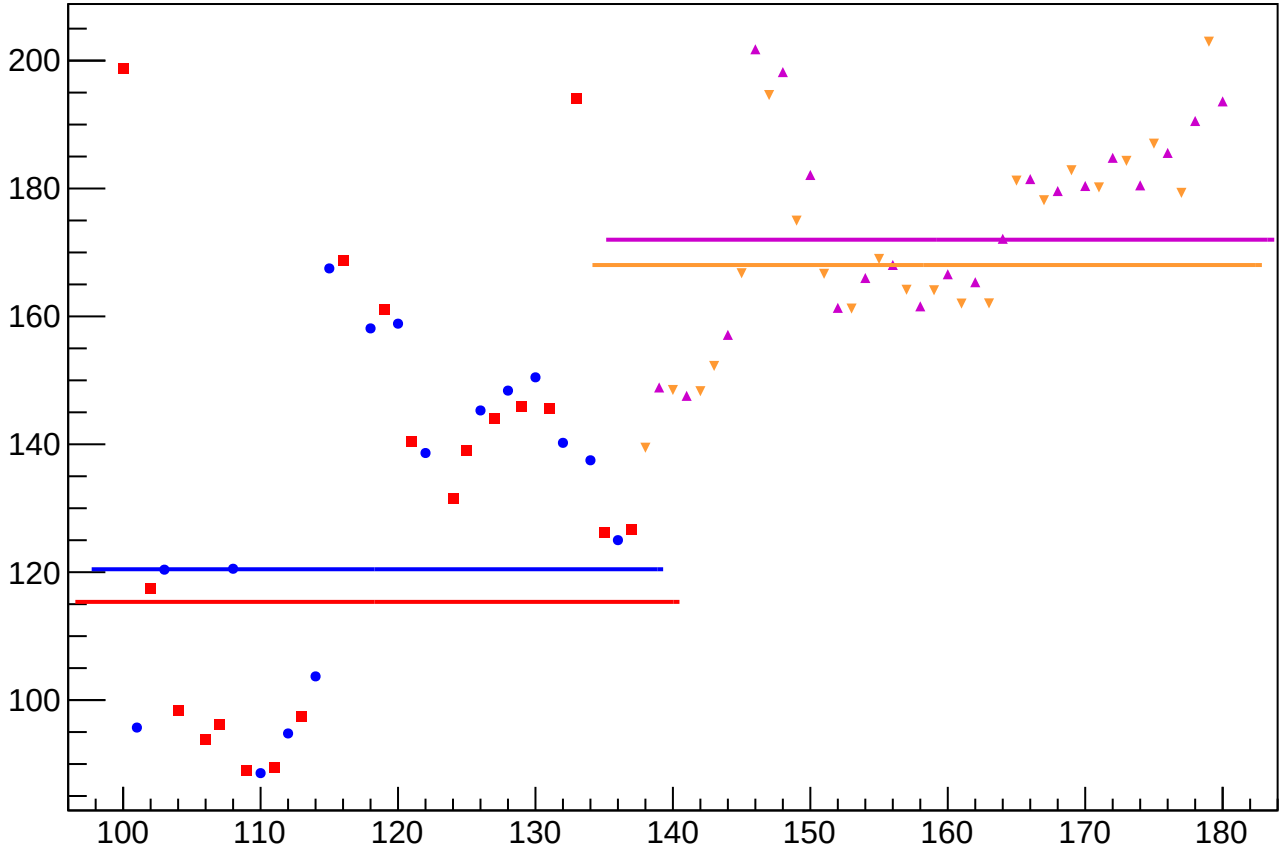
Left In: -314.722+/-41.615 χ^2/NDF:21.6/20

+ sign 168.468+/-30.326 χ^2/NDF: 76.6/37

All: 0.277+/-21.360 χ^2/NDF: 200.5/77

- 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: 168.032+/-0.029 χ^2/NDF:283876.1/21

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

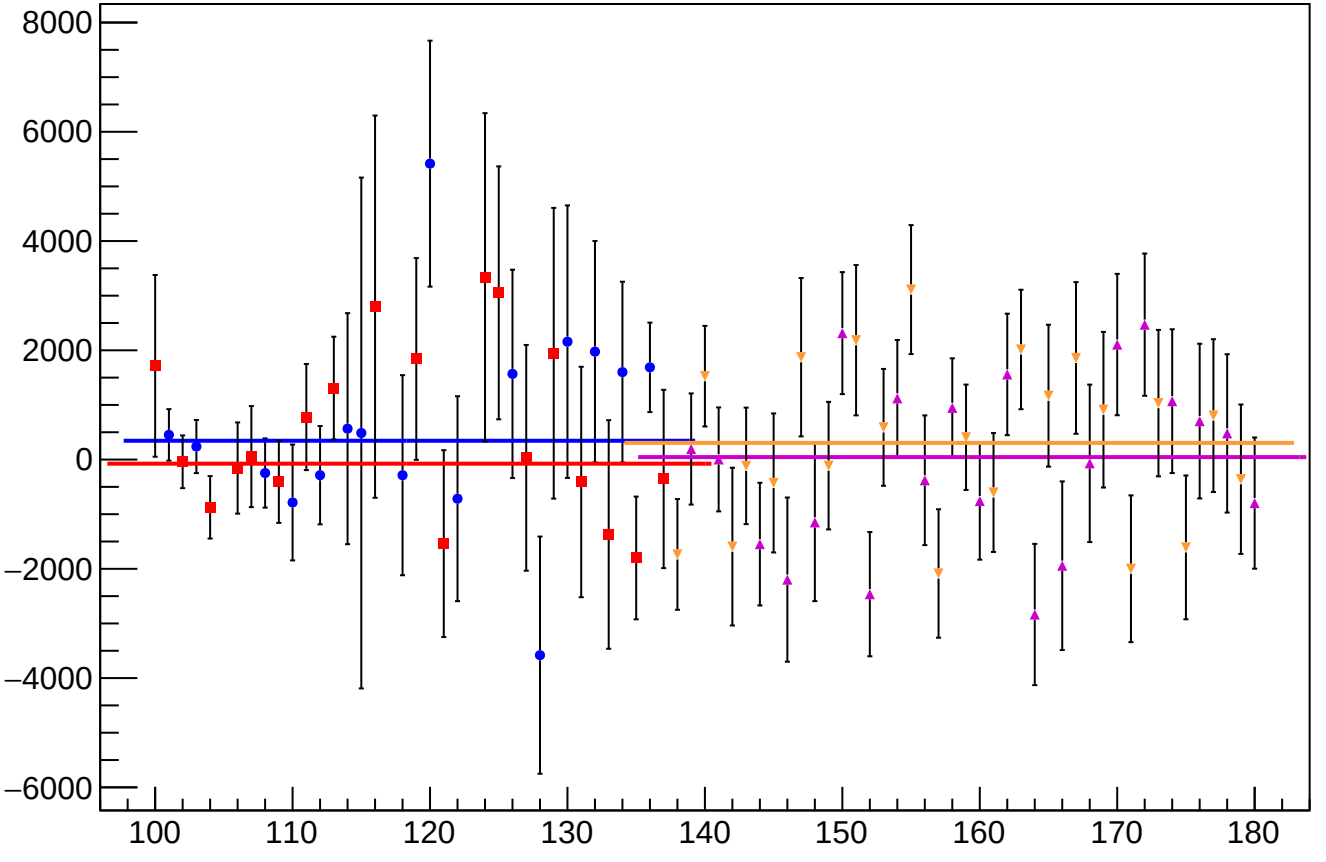
Left In: 171.994+/-0.029 χ^2/NDF:267378.2/20

+ sign 147.272+/-0.021 χ^2/NDF: 2024743.5/37

All: 146.112+/-0.015 χ^2/NDF: 4832737.7/77

- 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: 305.365+/-255.849 χ^2/NDF:31.8/21

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

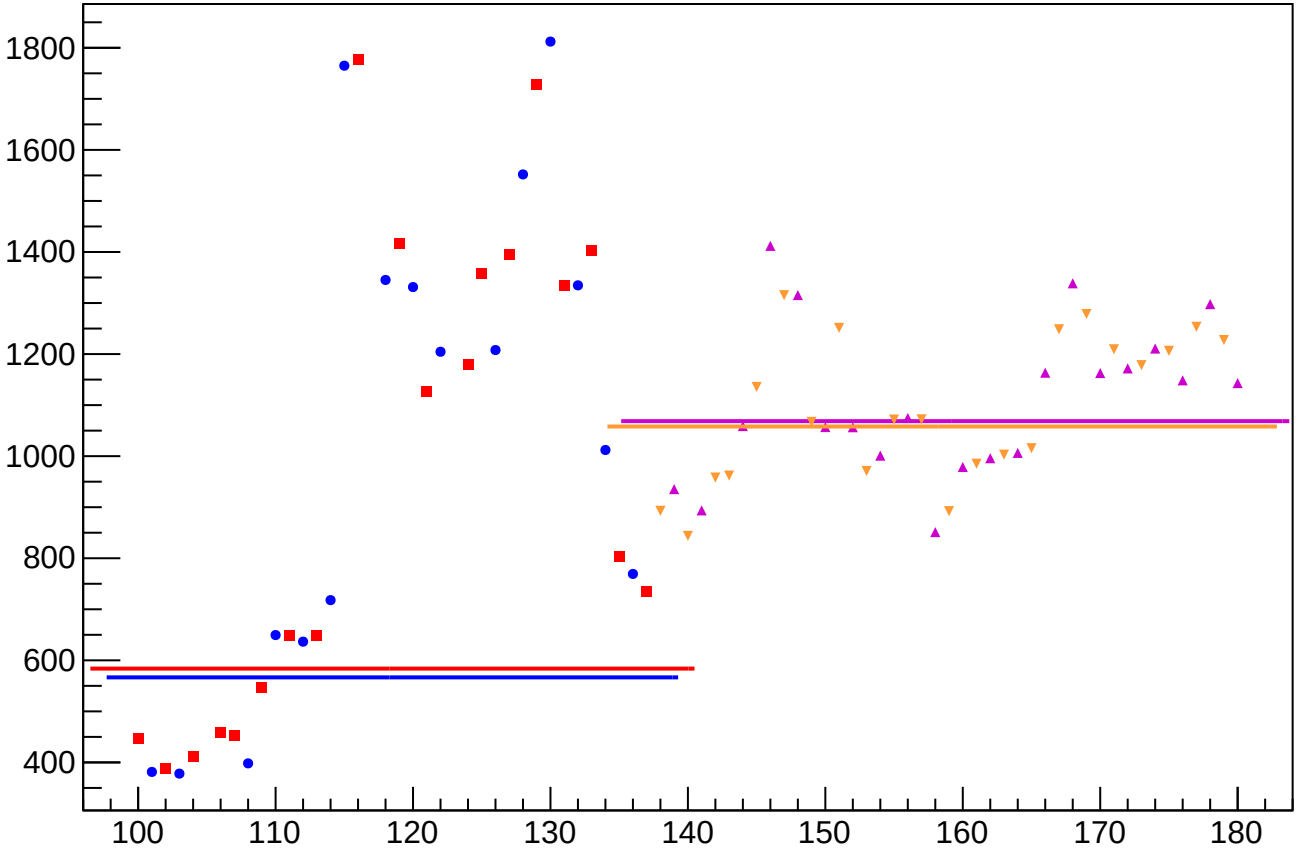
Left In: 45.114+/-260.149 χ^2/NDF:32.5/20

+ sign 326.025+/-175.632 χ^2/NDF: 48.1/37

All: 154.008+/-124.528 χ^2/NDF: 97.9/77

- 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: 1058.080+/-0.181 χ^2/NDF:608524.2/21

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

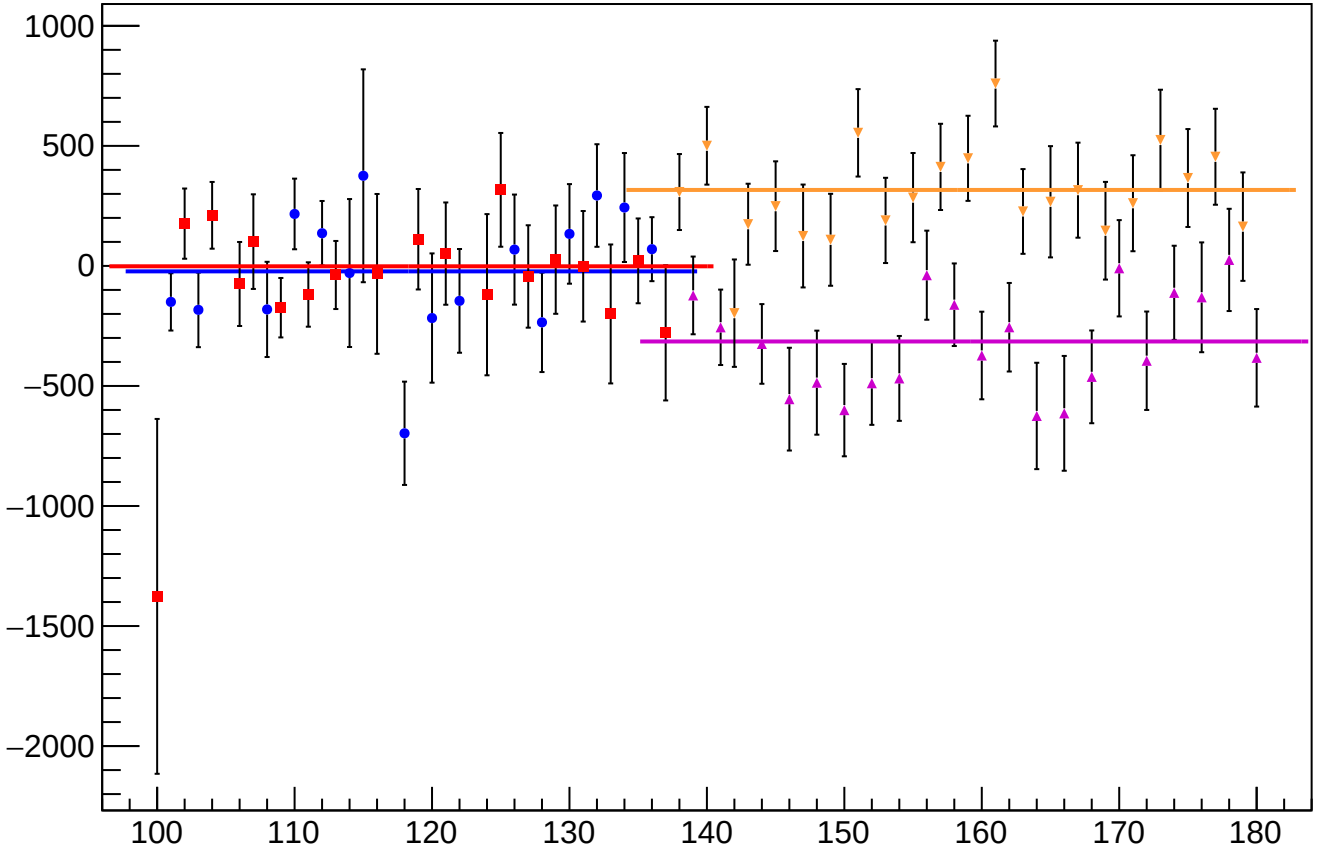
Left In: 1068.593+/-0.184 χ^2/NDF:604188.4/20

+ sign 798.206+/-0.124 χ^2/NDF: 7943336.0/37

All: 802.666+/-0.088 χ^2/NDF: 15402902.6/77

- 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: 316.459+/-40.395 χ^2/NDF:21.7/21

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

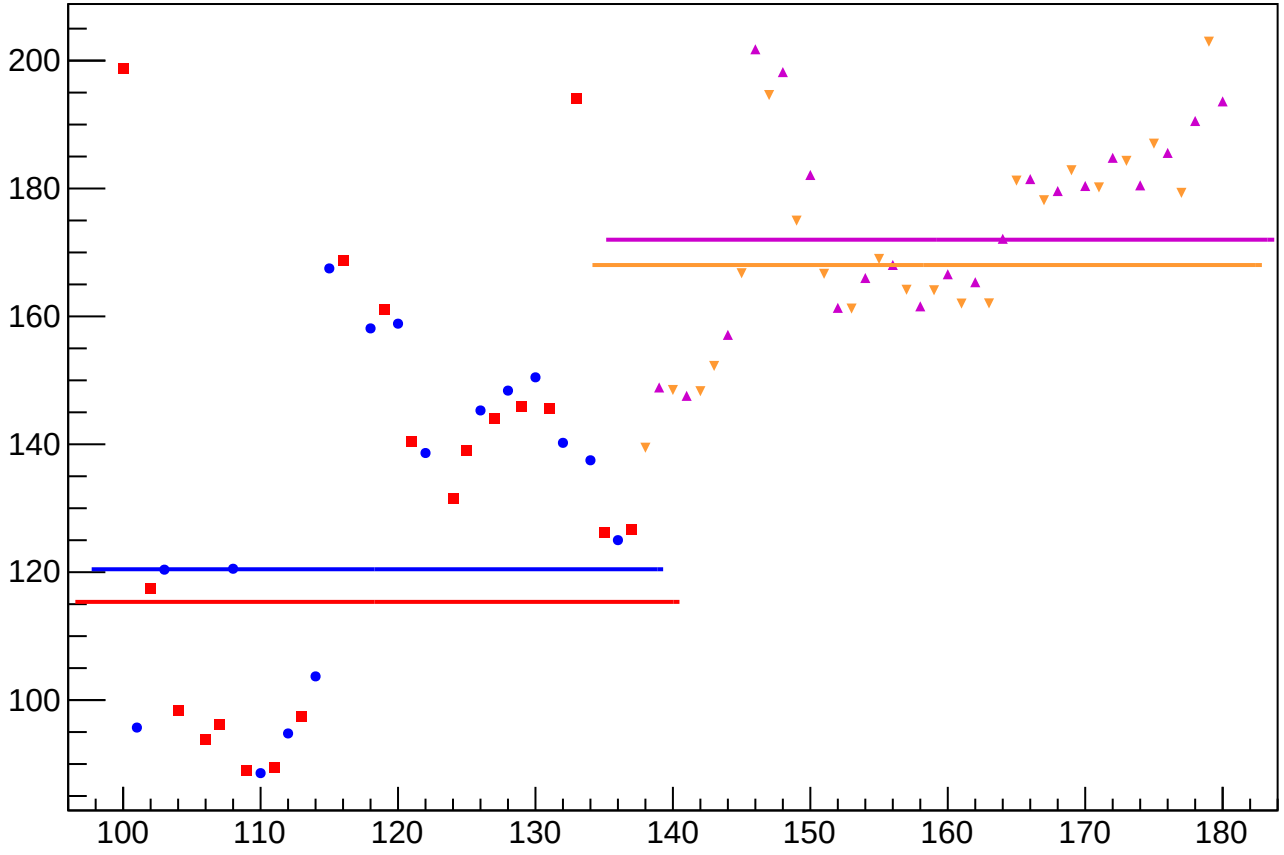
Left In: -314.722+/-41.615 χ^2/NDF:21.6/20

+ sign 168.468+/-30.326 χ^2/NDF: 76.6/37

All: 0.277+/-21.360 χ^2/NDF: 200.5/77

- sign -165.319+/-30.091 χ^2/NDF: 62.9/39

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 168.032+/-0.029 χ^2/NDF:283875.8/21

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

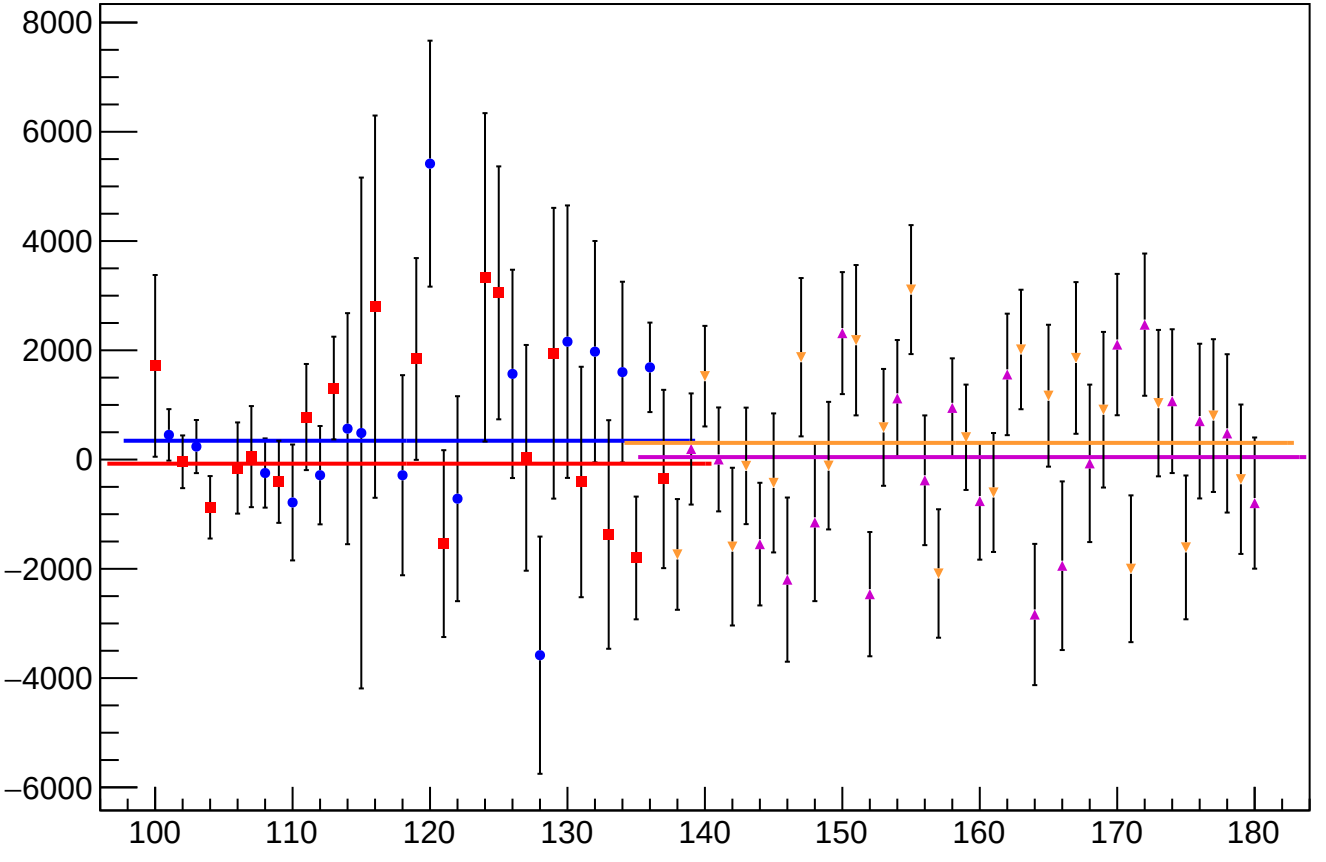
Left In: 171.994+/-0.029 χ^2/NDF:267377.8/20

+ sign 147.272+/-0.021 χ^2/NDF: 2024753.8/37

All: 146.112+/-0.015 χ^2/NDF: 4832751.2/77

- 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: 305.367+/-255.849 χ^2/NDF:31.8/21

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

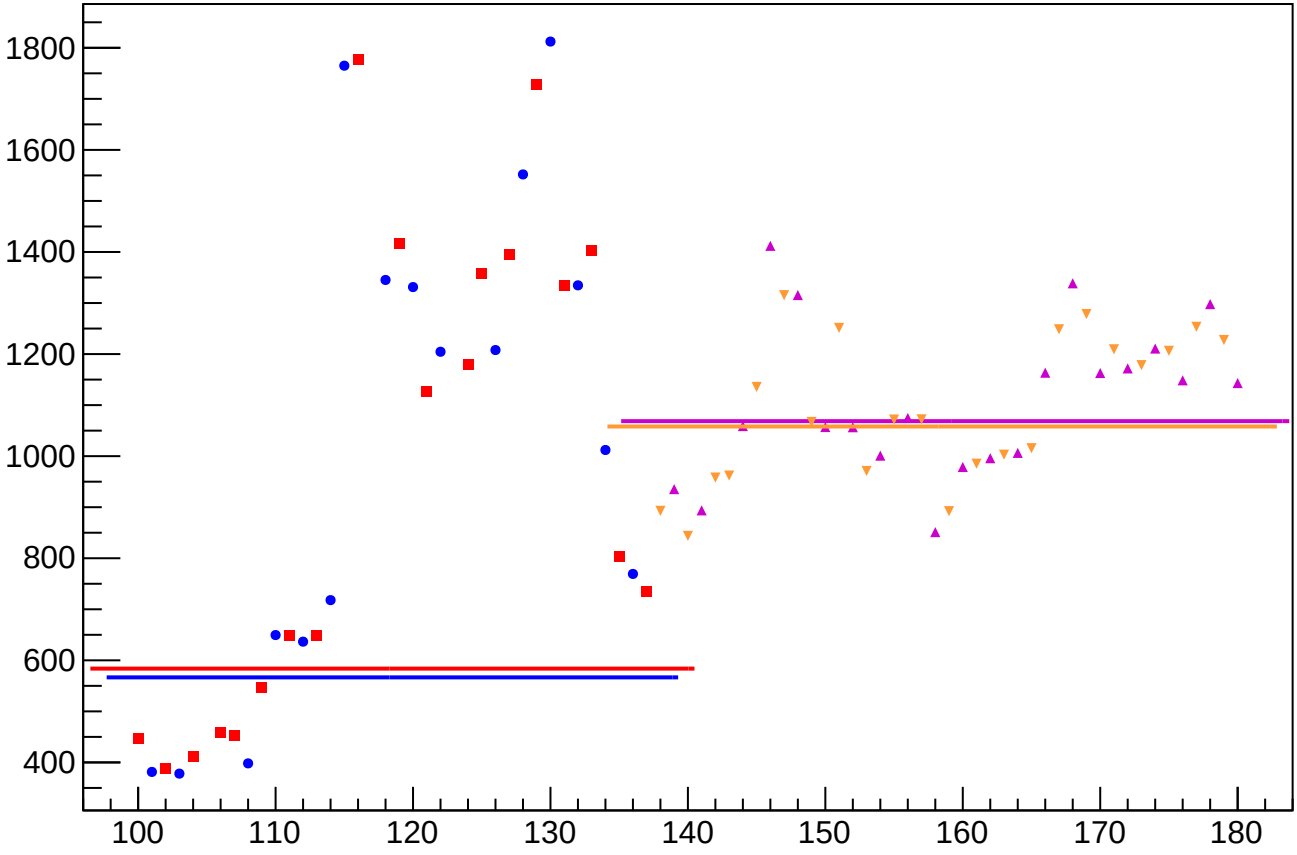
Left In: 45.114+/-260.149 χ^2/NDF:32.5/20

+ sign 326.025+/-175.632 χ^2/NDF: 48.1/37

All: 154.008+/-124.528 χ^2/NDF: 97.9/77

- 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: 1058.080+/-0.181 χ^2/NDF:608529.3/21

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

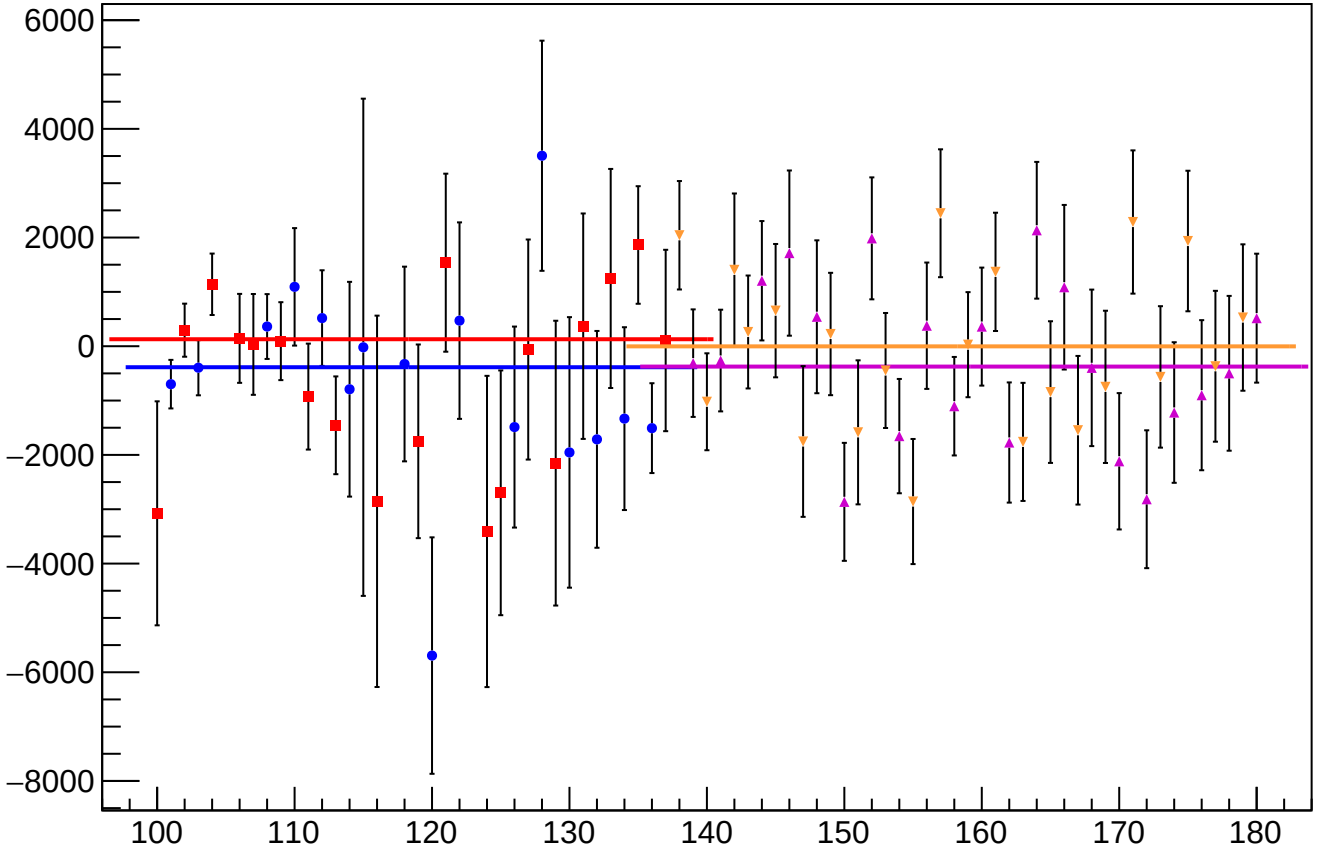
Left In: 1068.593+/-0.184 χ^2/NDF:604192.3/20

+ sign 798.205+/-0.124 χ^2/NDF: 7943363.1/37

All: 802.666+/-0.088 χ^2/NDF: 15402942.8/77

- 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: -2.647+/-251.313 χ^2/NDF:32.4/21

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

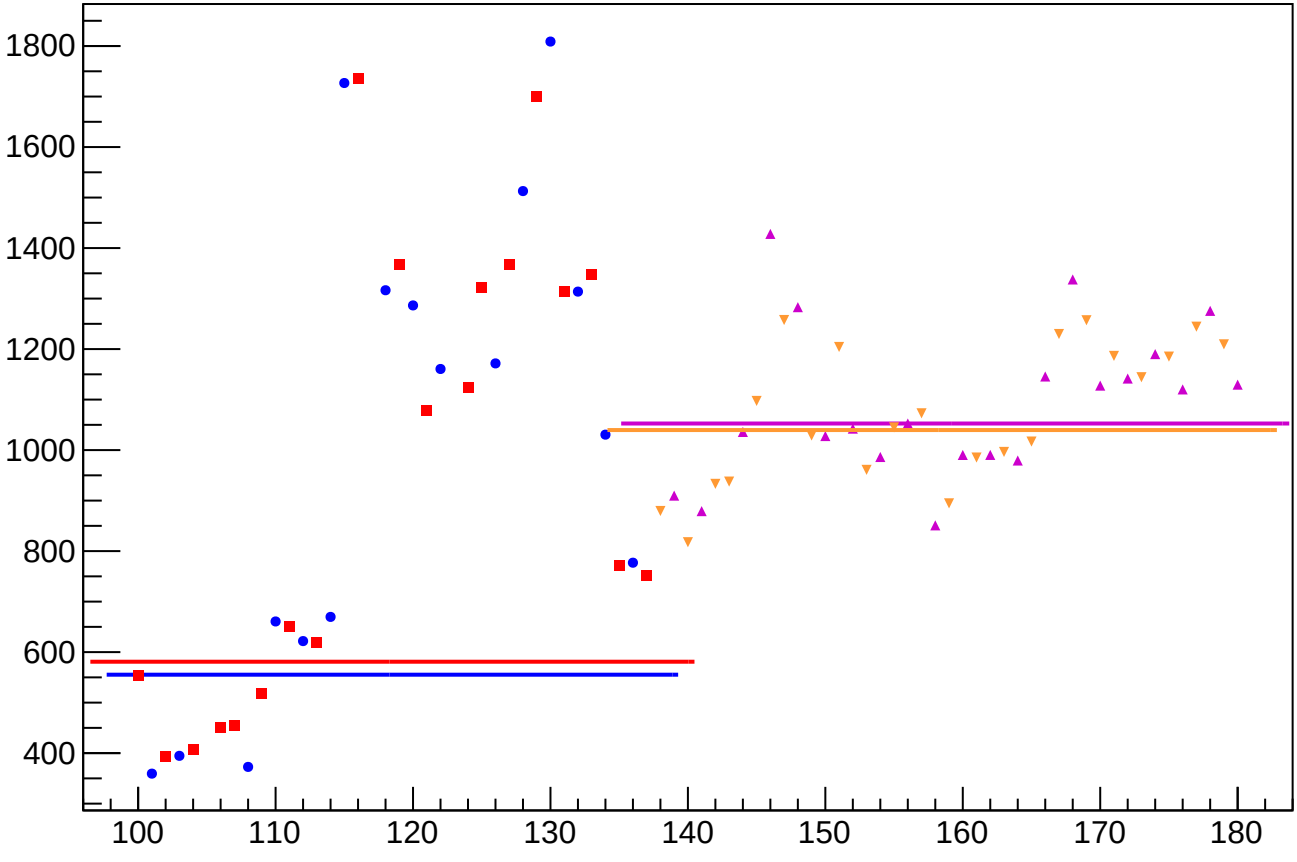
Left In: -374.712+/-256.220 χ^2/NDF:30.4/20

+ sign -205.404+/-172.624 χ^2/NDF: 51.6/37

All: -155.632+/-122.712 χ^2/NDF: 103.6/77

- 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: 1039.670+/-0.178 χ^2/NDF:582808.8/21

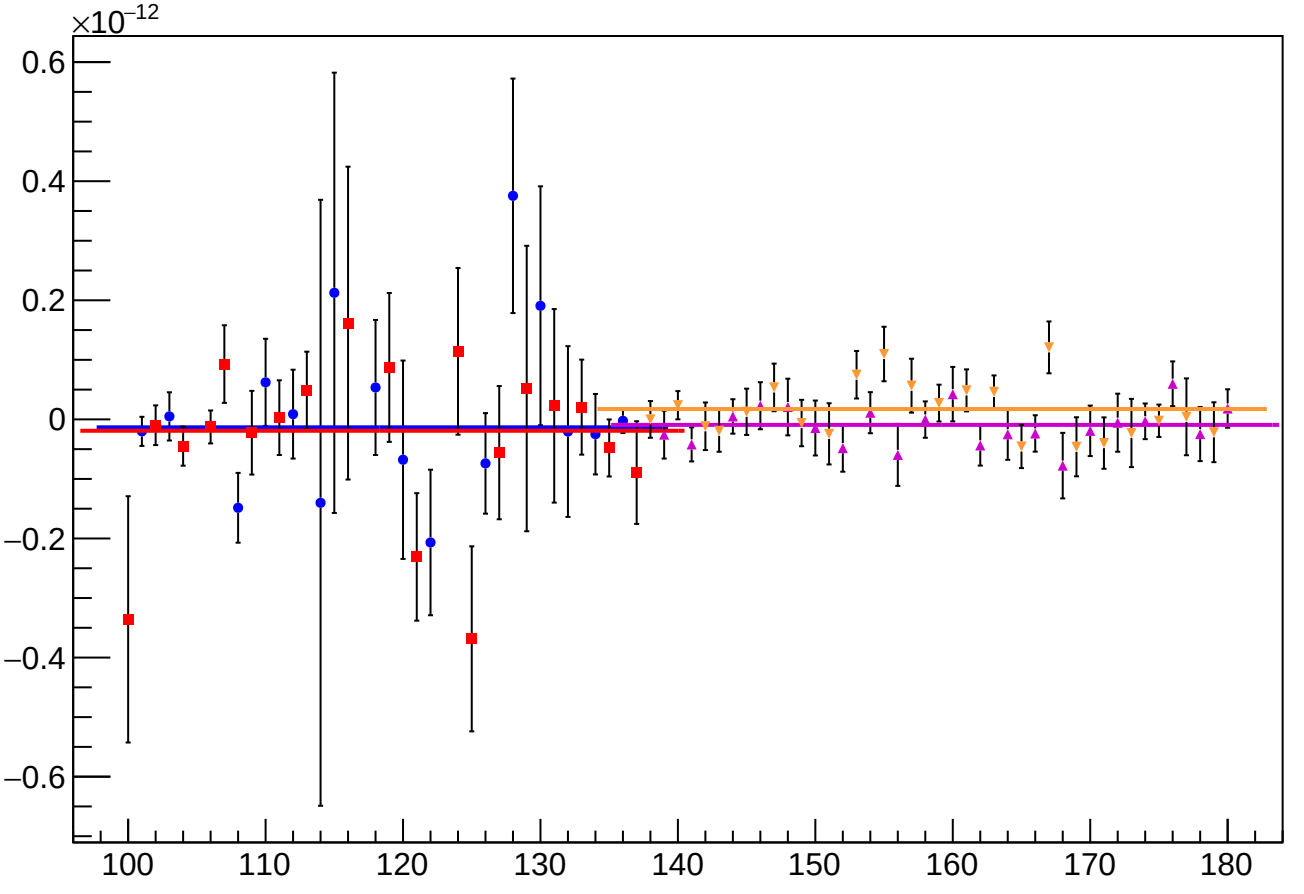
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1052.634+/-0.181 χ^2/NDF:602138.7/20

+ sign 783.829+/-0.122 χ^2/NDF: 7989567.7/37

All: 791.674+/-0.087 χ^2/NDF: 15218081.6/77

- 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:26.5/21

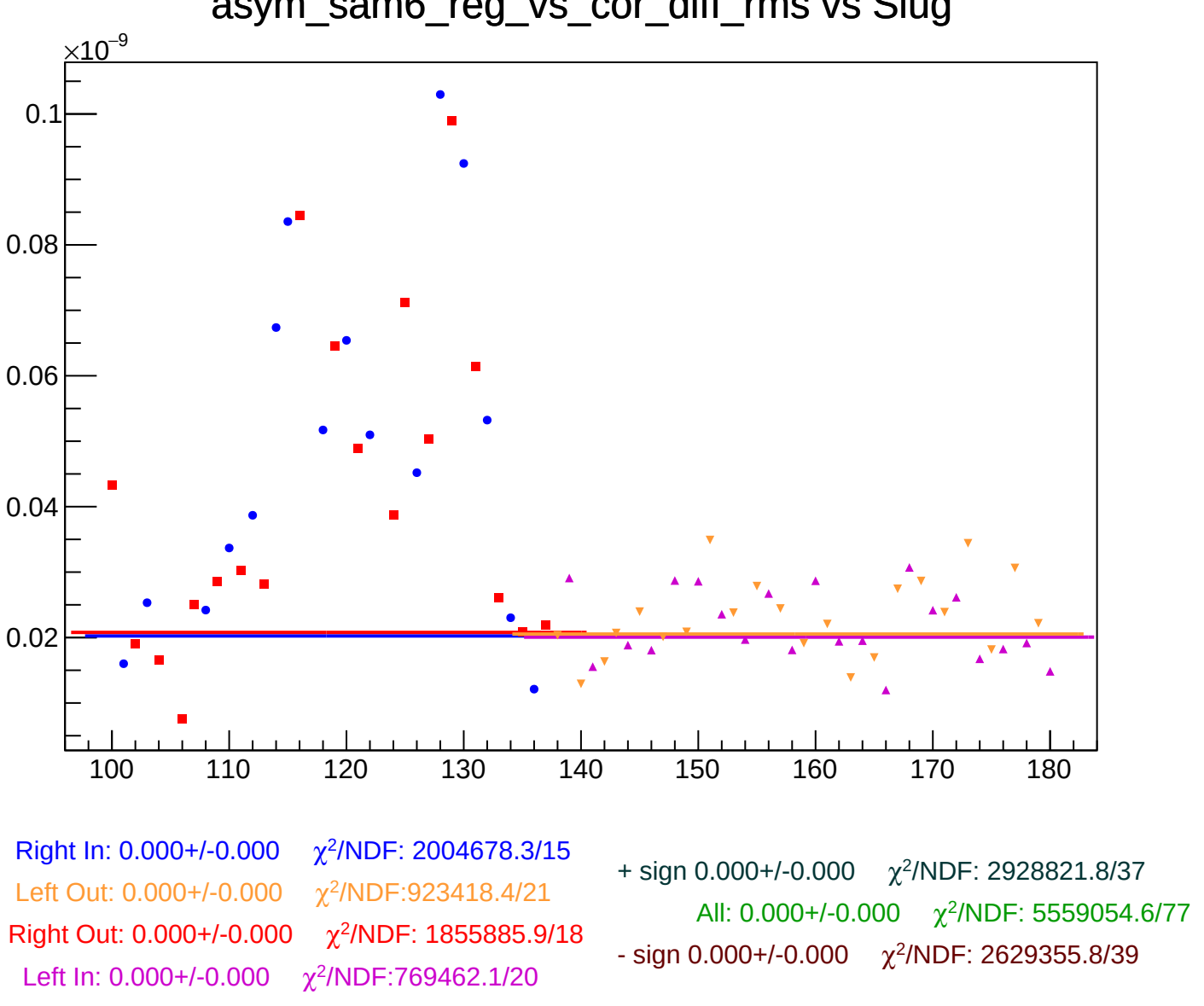
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/20

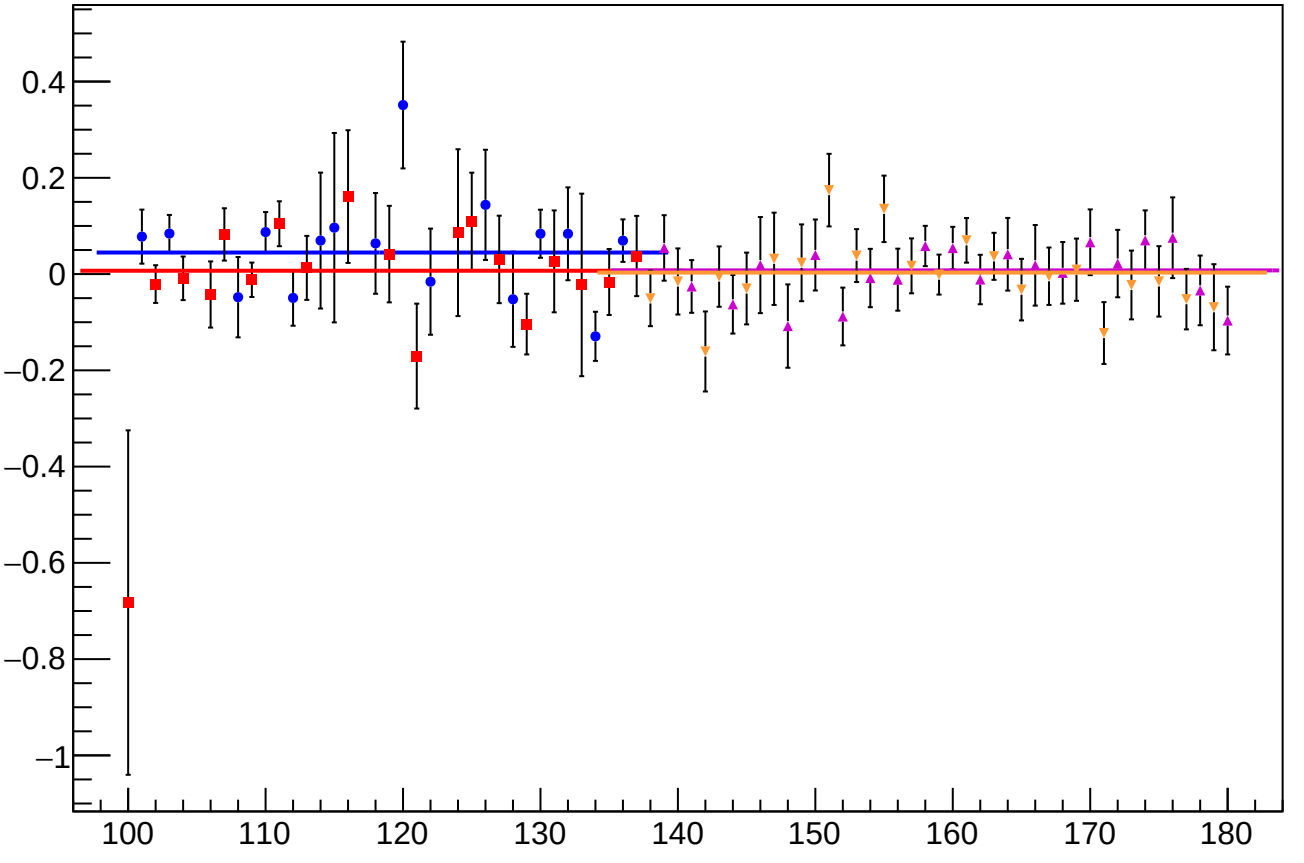
+ sign 0.000+/-0.000 χ^2/NDF: 46.5/37

All: -0.000+/-0.000 χ^2/NDF: 84.9/77

- sign -0.000+/-0.000 χ^2/NDF: 33.9/39


asym_sam6_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: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:923418.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:769462.1/20
+ sign 0.000+/-0.000 χ²/NDF: 2928821.8/37
All: 0.000+/-0.000 χ²/NDF: 5559054.6/77
- sign 0.000+/-0.000 χ²/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: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

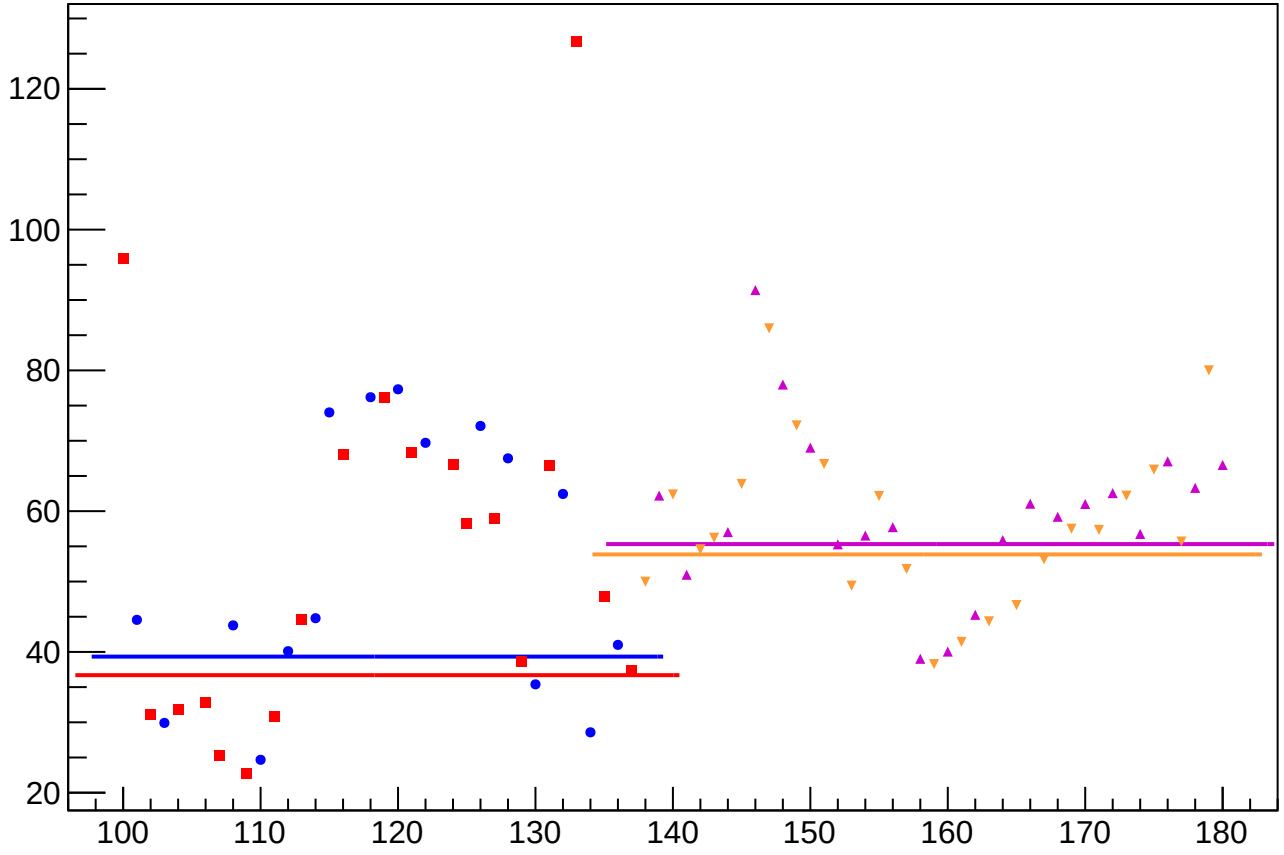
Left In: 0.008+/-0.014 χ^2/NDF:14.8/20

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/37

All: 0.014+/-0.007 χ^2/NDF: 89.2/77

- sign 0.007+/-0.010 χ^2/NDF: 34.9/39

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.854+/-0.009 χ^2/NDF:1305111.6/21

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

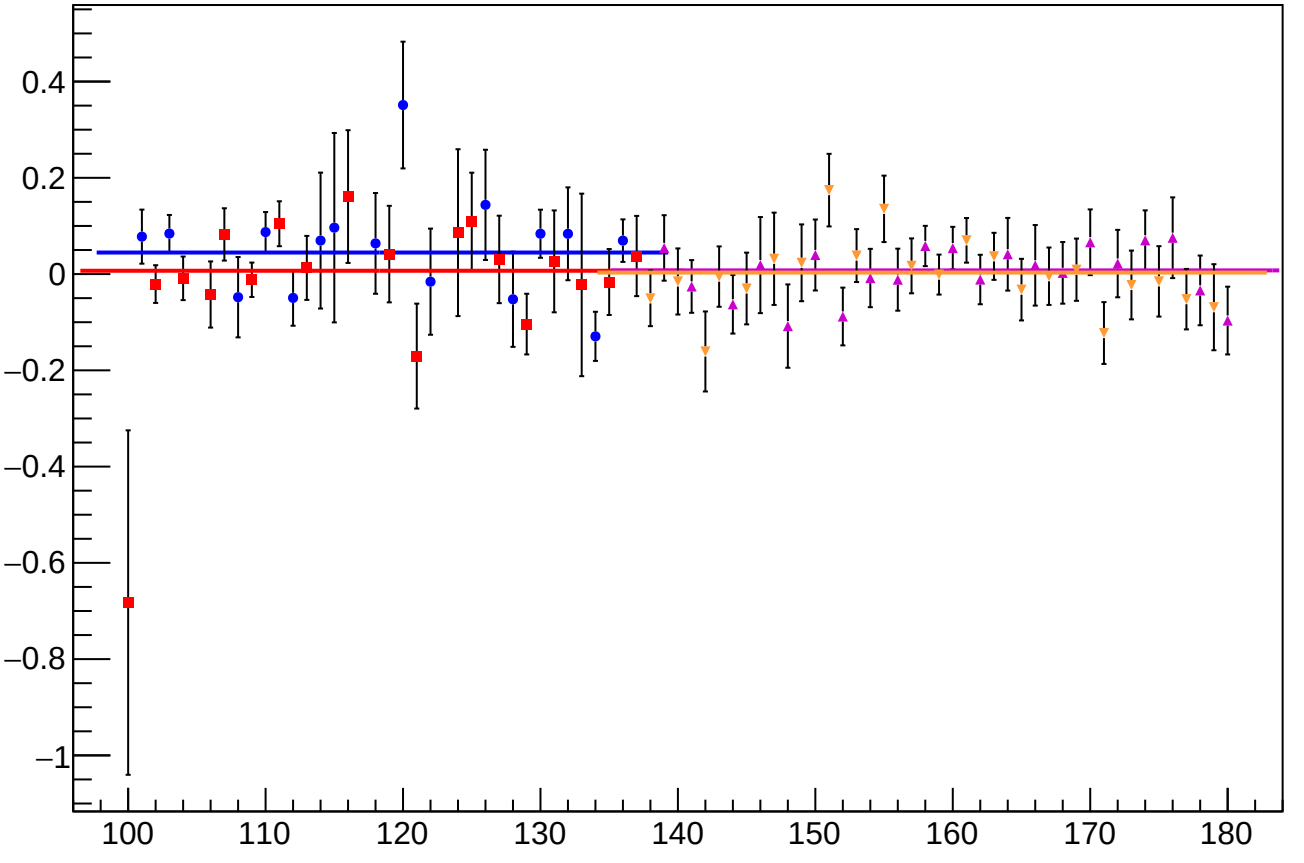
Left In: 55.322+/-0.010 χ^2/NDF:1293426.1/20

+ sign 47.905+/-0.007 χ^2/NDF: 3841166.5/37

All: 47.382+/-0.005 χ^2/NDF: 8900063.4/77

- sign 46.867+/-0.007 χ^2/NDF: 5048574.2/39

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

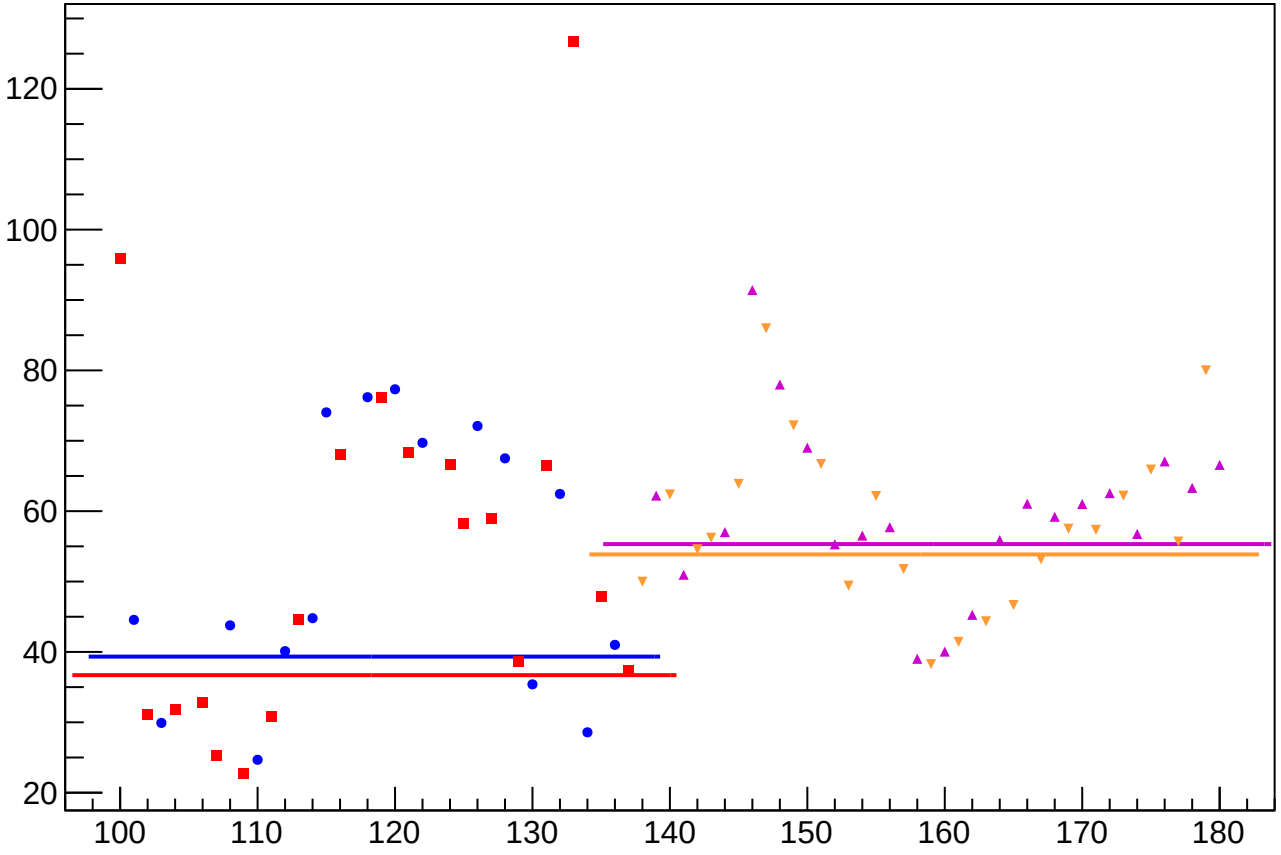
Left In: 0.008+/-0.014 χ^2/NDF:14.8/20

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/37

All: 0.014+/-0.007 χ^2/NDF: 89.2/77

- sign 0.007+/-0.010 χ^2/NDF: 34.9/39

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.854+/-0.009 χ^2/NDF:1305111.6/21

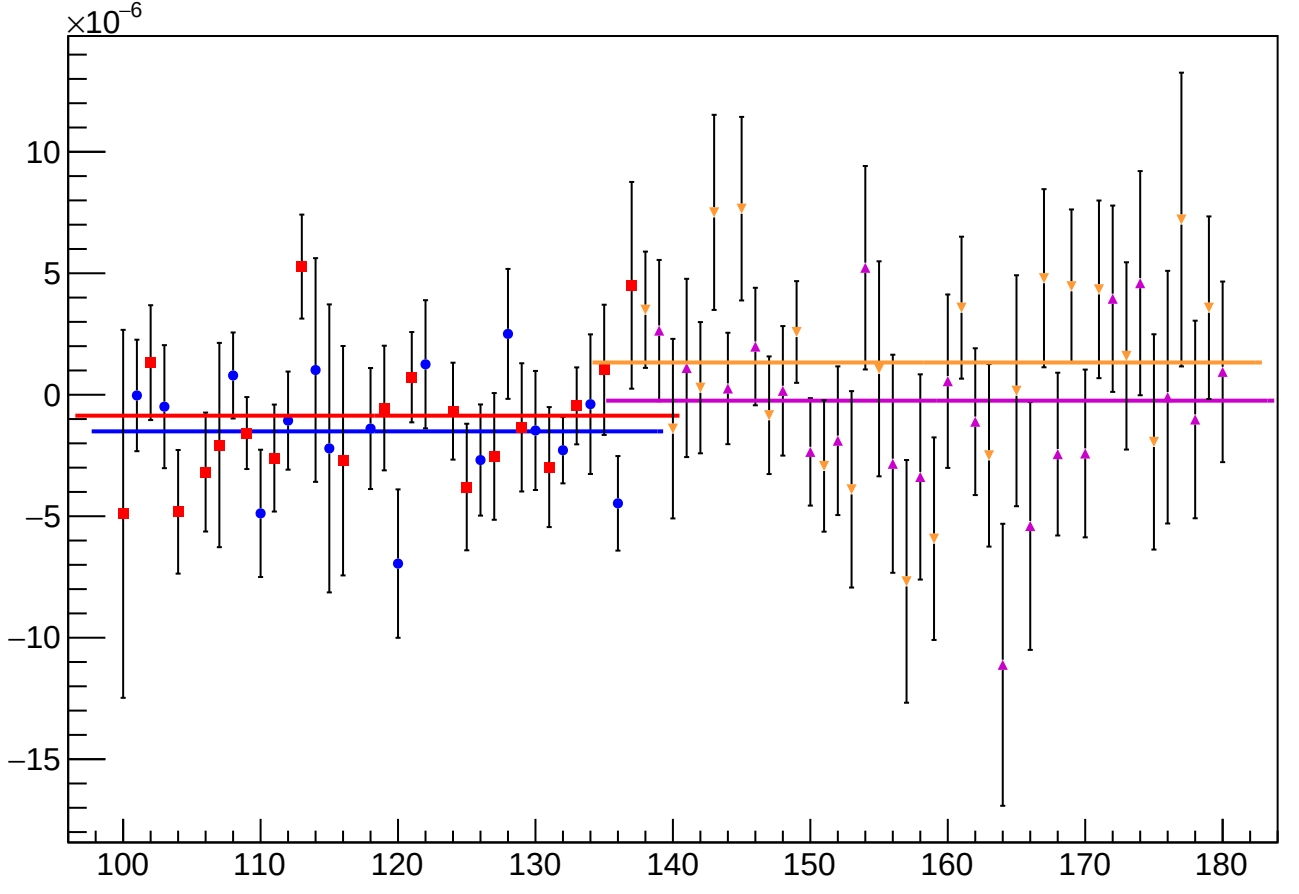
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.322+/-0.010 χ^2/NDF:1293426.1/20

+ sign 47.905+/-0.007 χ^2/NDF: 3841166.5/37

All: 47.382+/-0.005 χ^2/NDF: 8900063.4/77

- sign 46.867+/-0.007 χ^2/NDF: 5048574.2/39



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.4/21

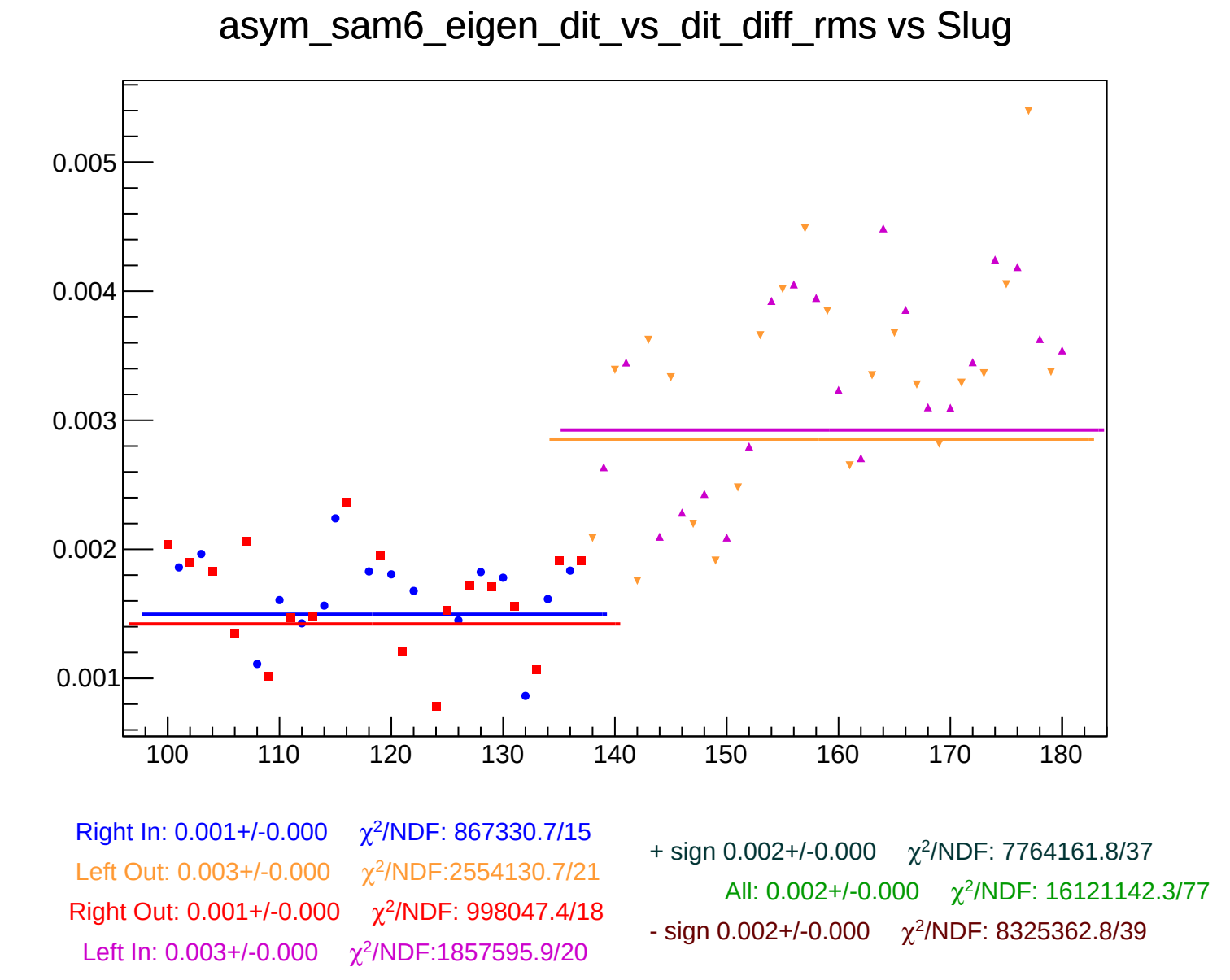
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

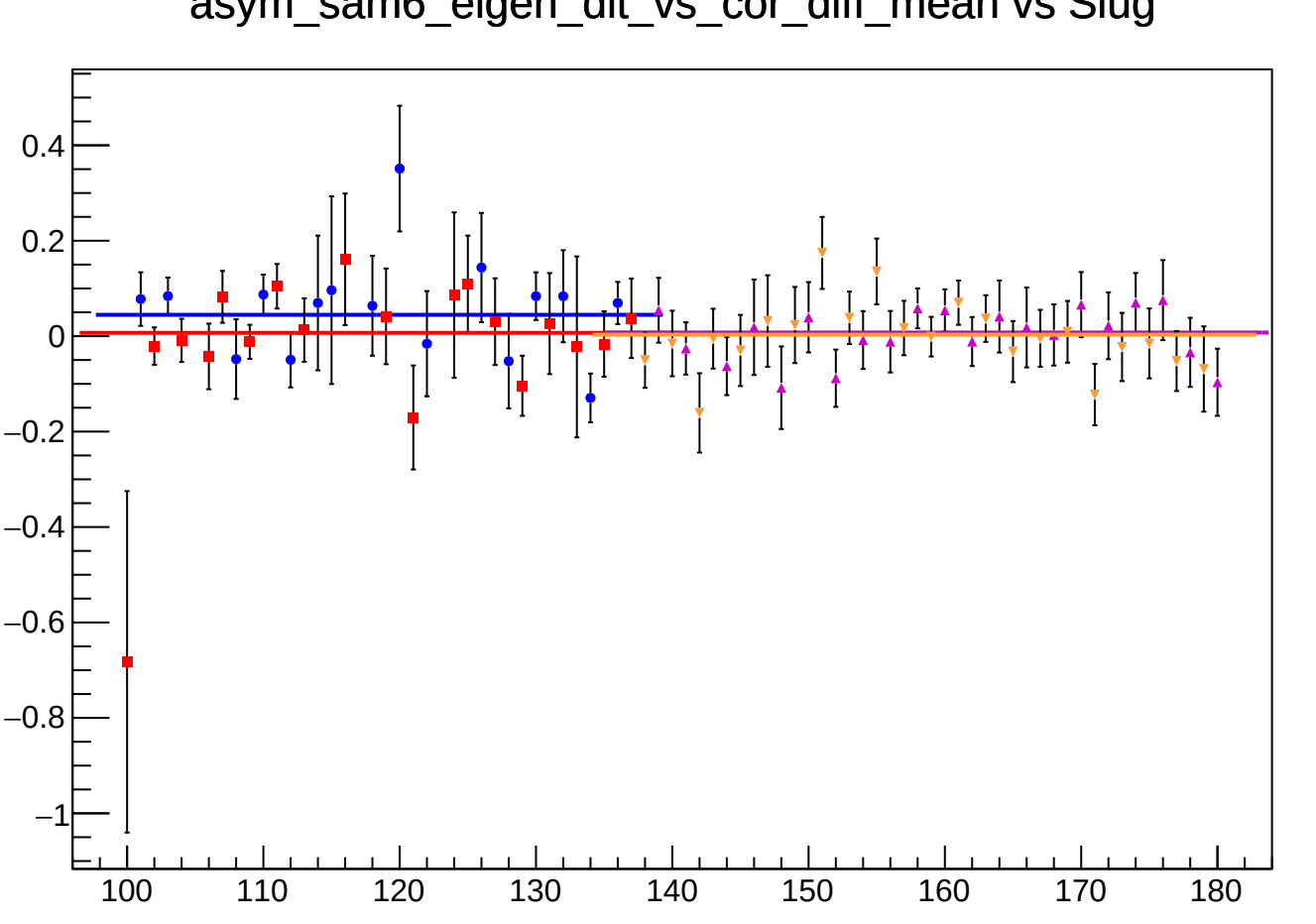
Left In: -0.000+/-0.000 χ^2/NDF:13.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 47.7/37

All: -0.000+/-0.000 χ^2/NDF: 81.3/77

- 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:2554130.7/21
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: 7764161.8/37
All: 0.002+/-0.000 χ²/NDF: 16121142.3/77
- sign 0.002+/-0.000 χ²/NDF: 8325362.8/39



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

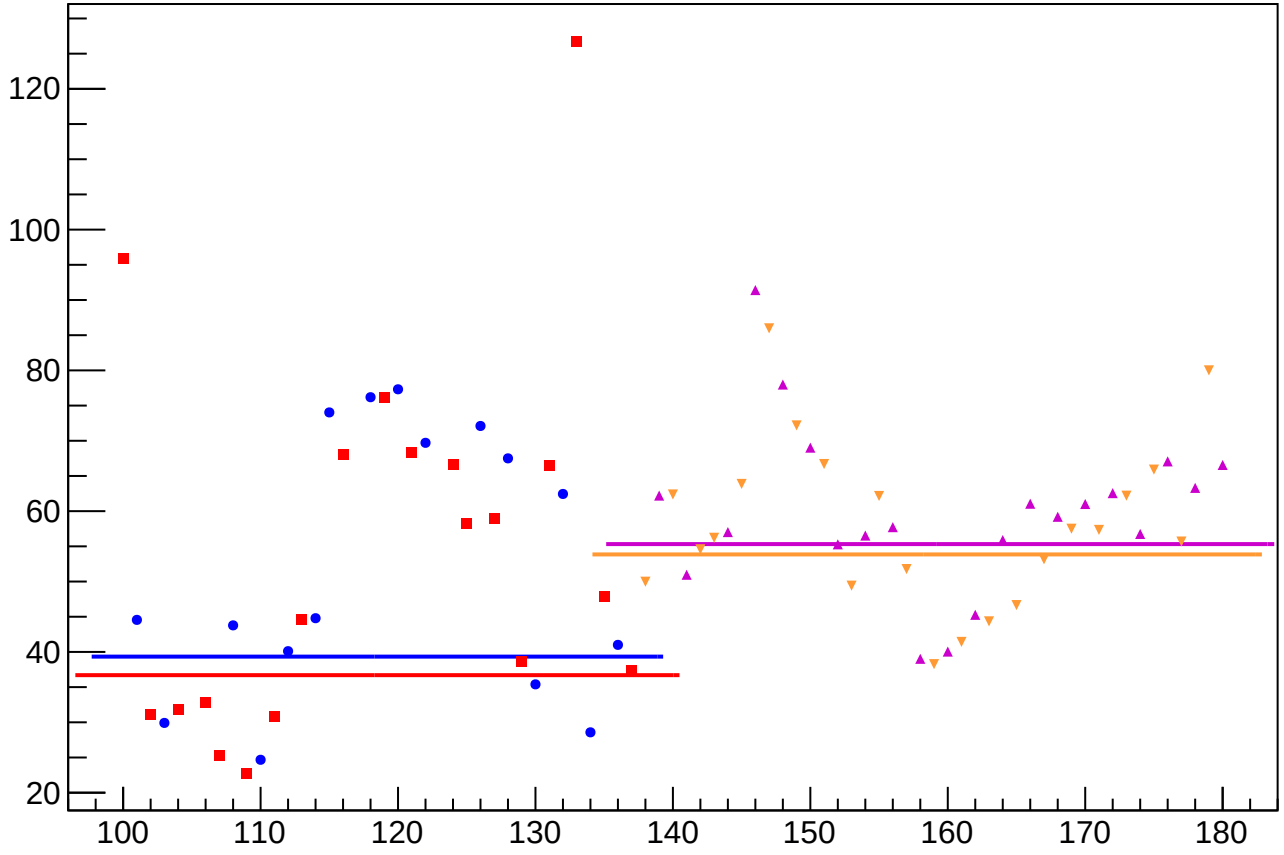
Left In: 0.008+/-0.014 χ^2/NDF:14.8/20

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/37

All: 0.014+/-0.007 χ^2/NDF: 89.2/77

- 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: 53.853+/-0.009 χ^2/NDF:1305211.0/21

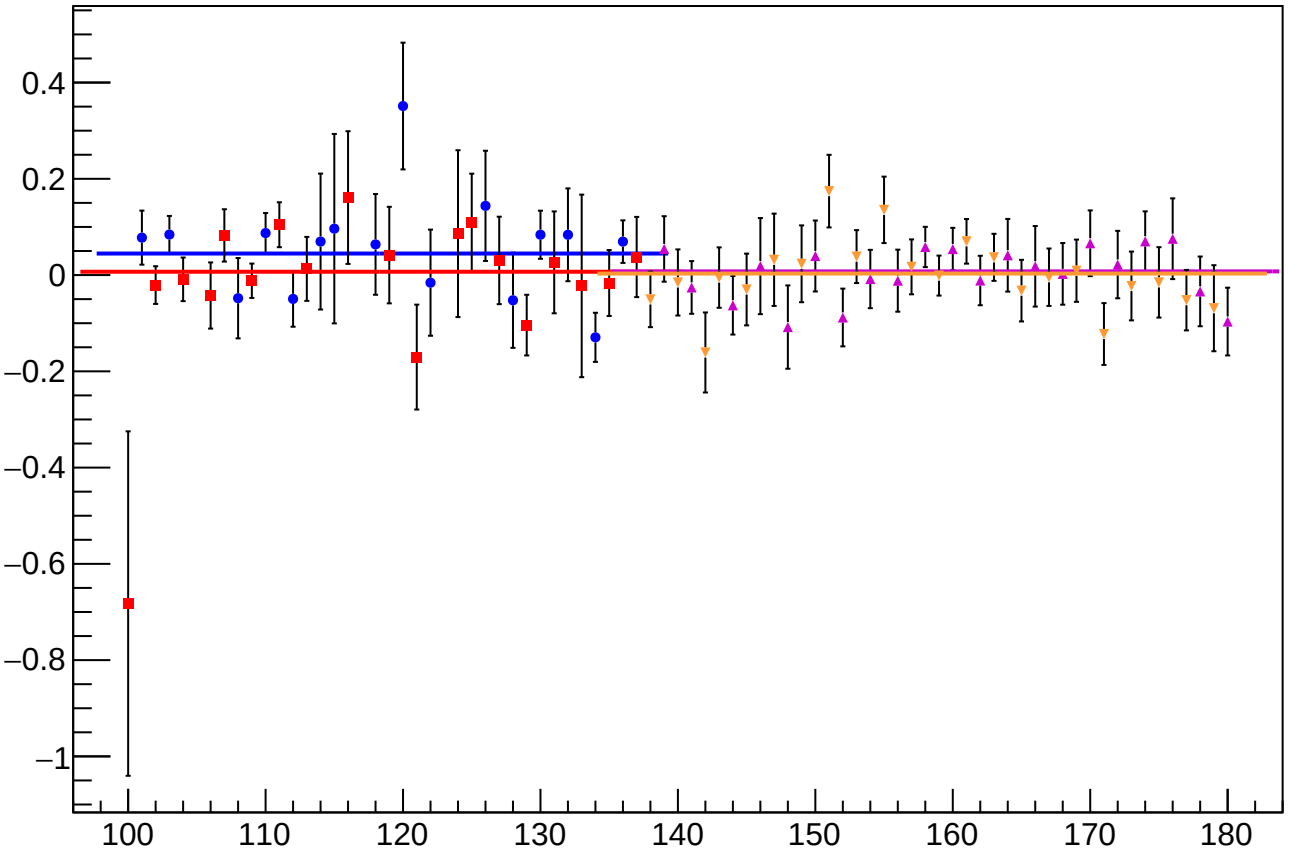
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.321+/-0.010 χ^2/NDF:1293572.0/20

+ sign 47.904+/-0.007 χ^2/NDF: 3841249.4/37

All: 47.382+/-0.005 χ^2/NDF: 8900156.2/77

- 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: 0.003+/-0.013 χ^2/NDF:22.9/21

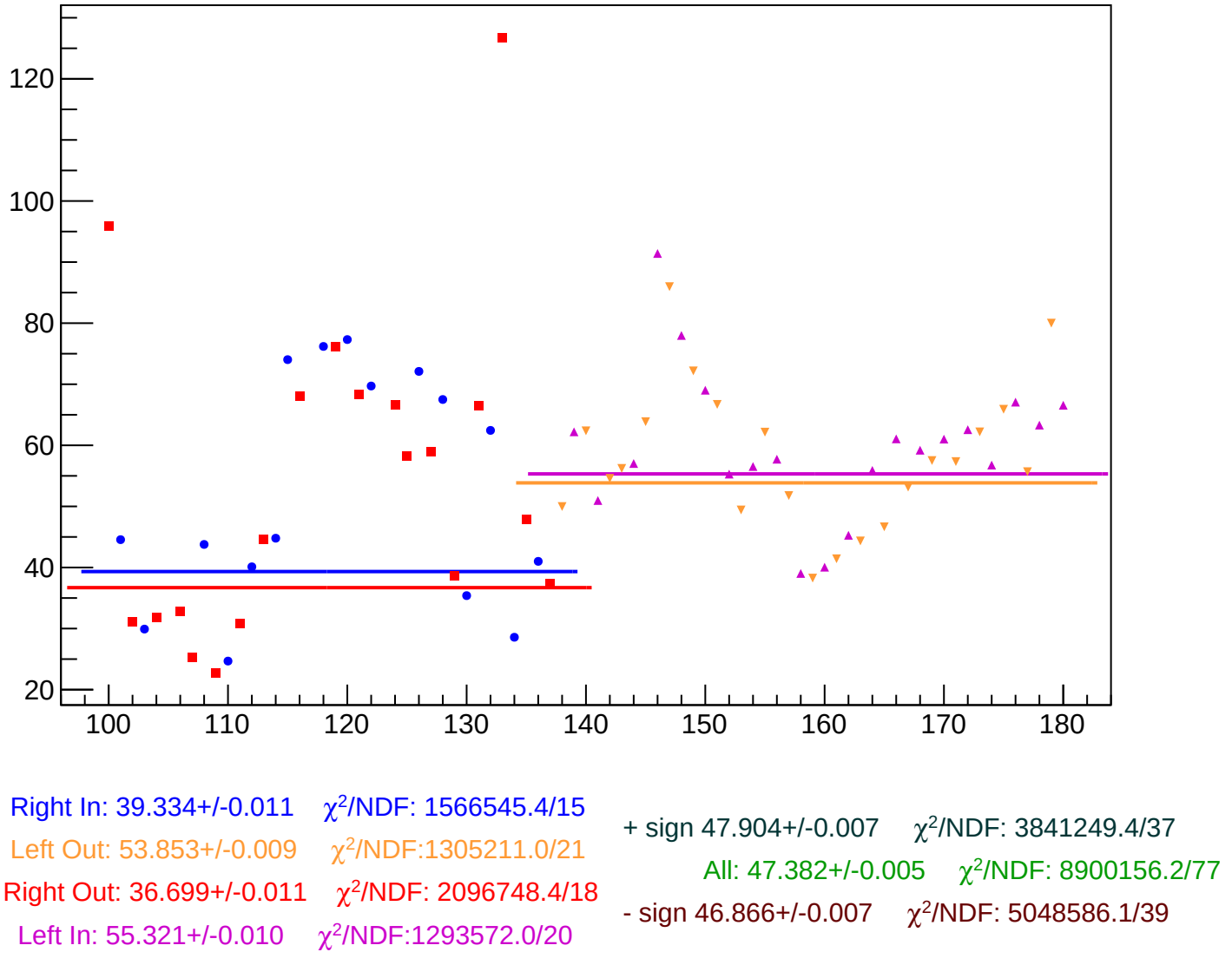
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

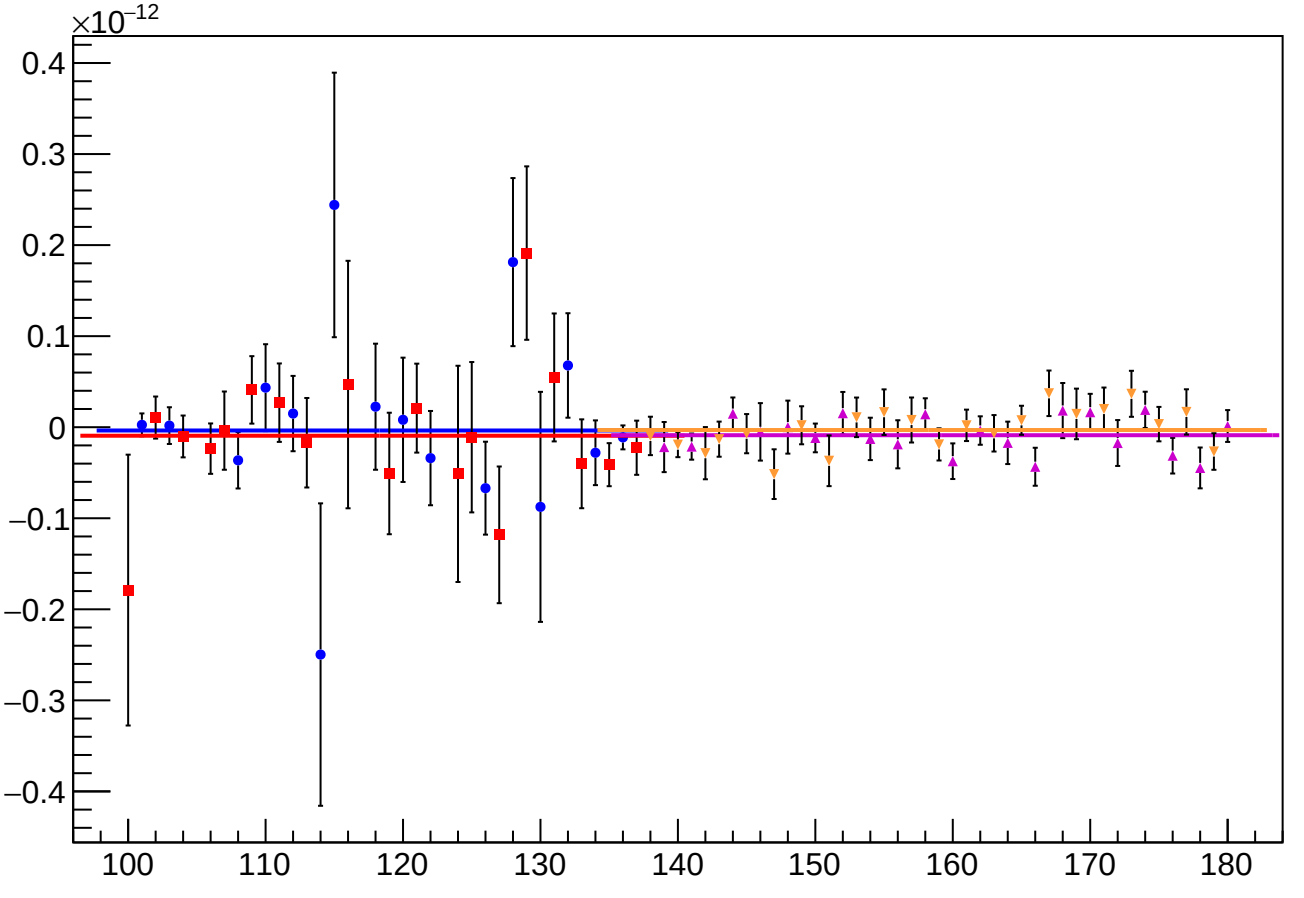
Left In: 0.008+/-0.014 χ^2/NDF:14.8/20

+ sign 0.020+/-0.010 χ^2/NDF: 53.5/37

All: 0.014+/-0.007 χ^2/NDF: 89.2/77

- sign 0.007+/-0.010 χ^2/NDF: 34.9/39


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 39.334+/-0.011 χ²/NDF: 1566545.4/15
Left Out: 53.853+/-0.009 χ²/NDF:1305211.0/21
Right Out: 36.699+/-0.011 χ²/NDF: 2096748.4/18
Left In: 55.321+/-0.010 χ²/NDF:1293572.0/20
+ sign 47.904+/-0.007 χ²/NDF: 3841249.4/37
All: 47.382+/-0.005 χ²/NDF: 8900156.2/77
- sign 46.866+/-0.007 χ²/NDF: 5048586.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/21

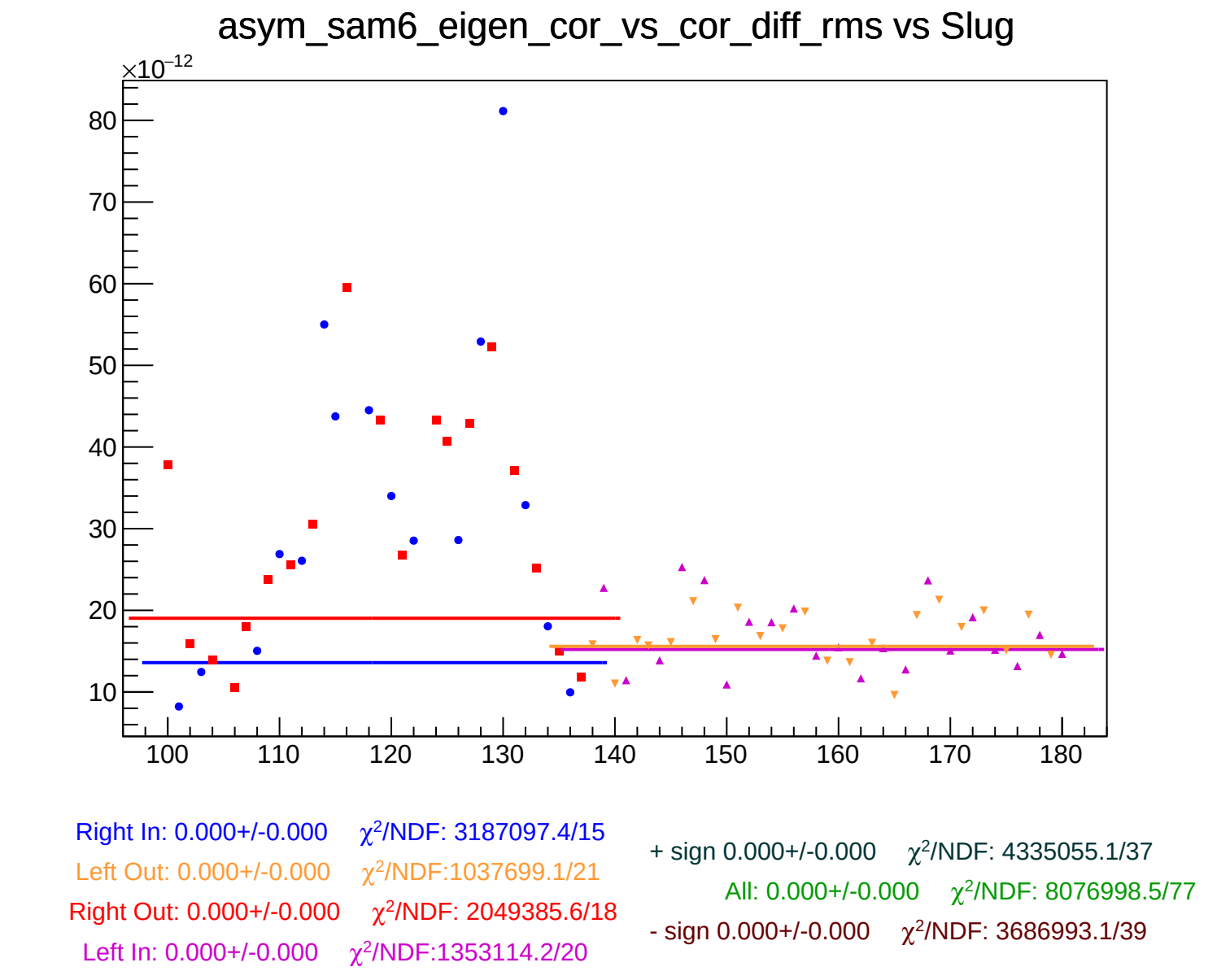
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

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

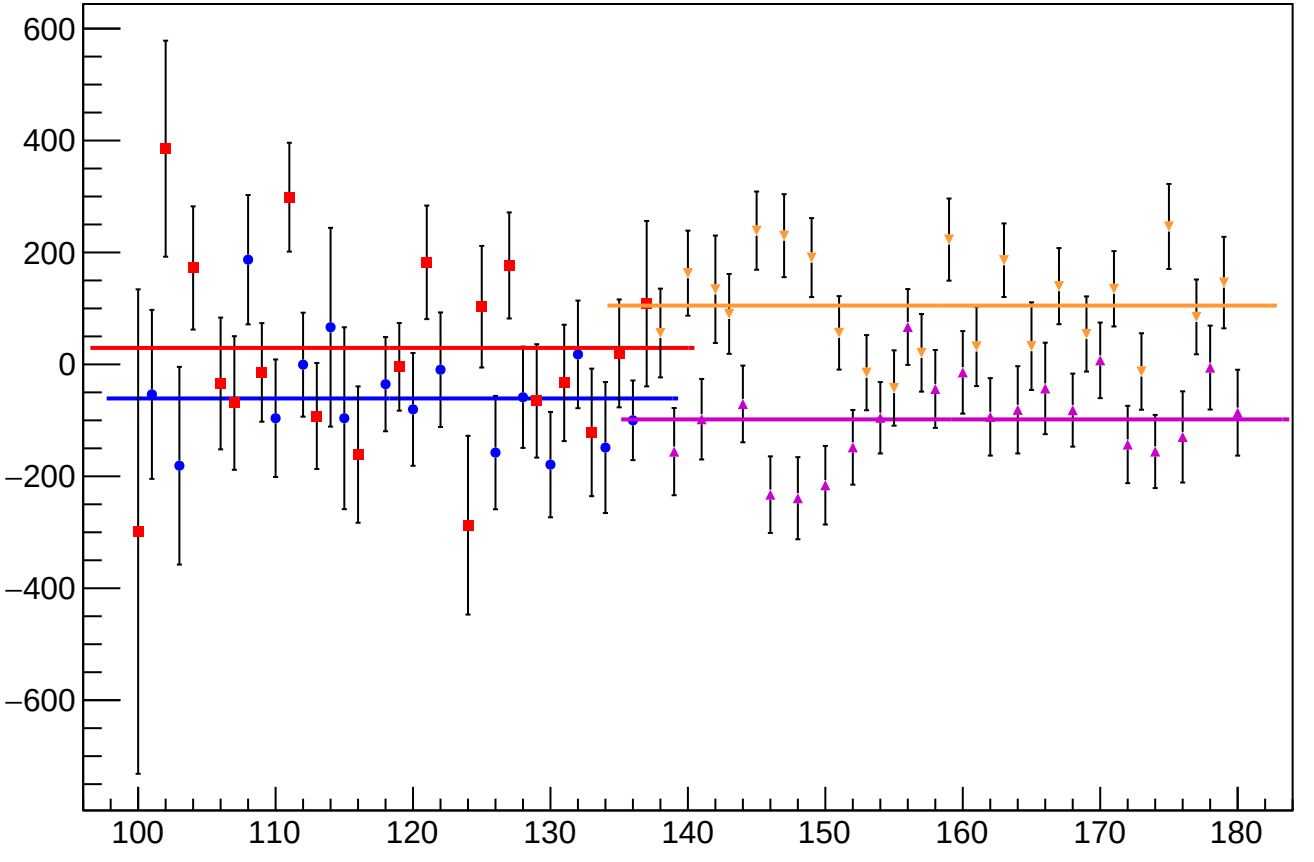
+ sign -0.000+/-0.000 χ^2/NDF: 35.0/37

All: -0.000+/-0.000 χ^2/NDF: 71.4/77

- 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:1037699.1/21
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: 4335055.1/37
All: 0.000+/-0.000 χ²/NDF: 8076998.5/77
- 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: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

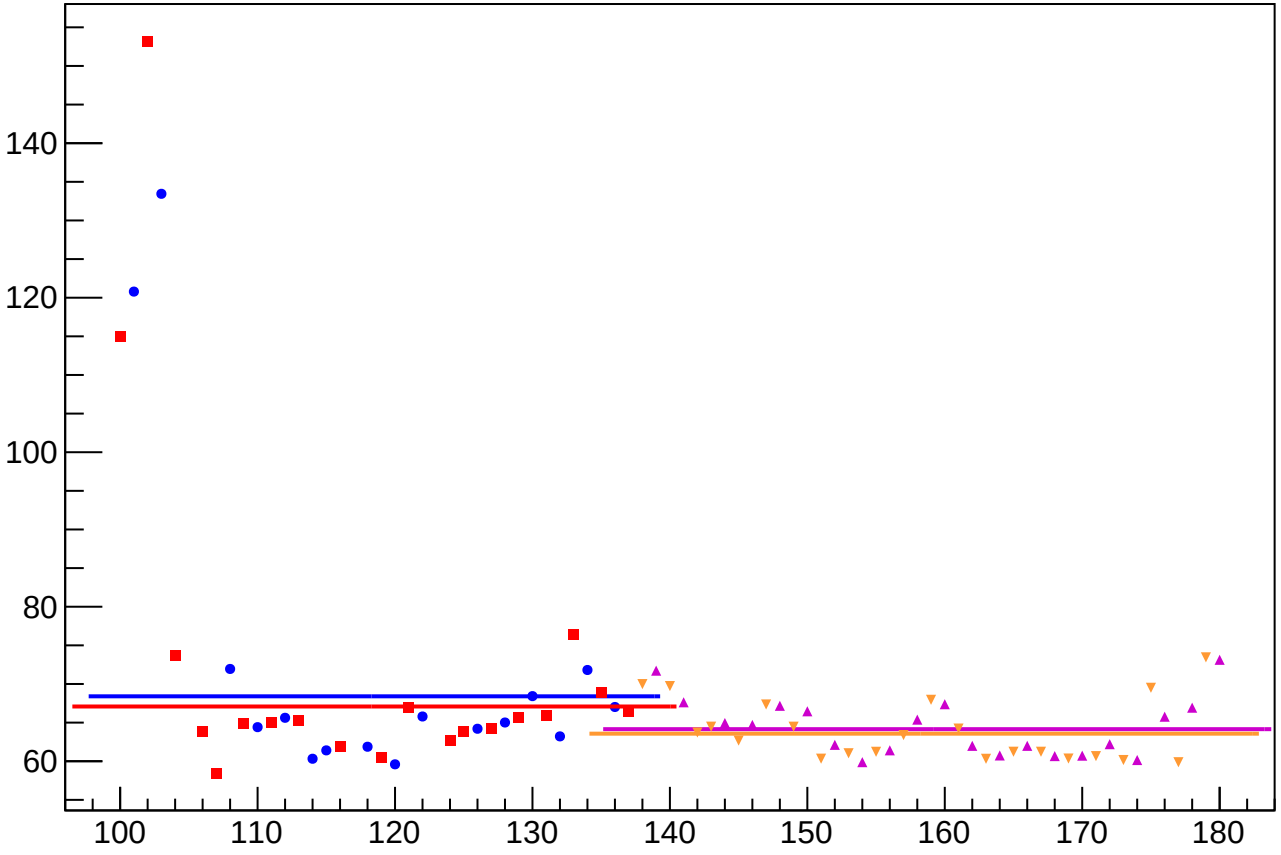
Left In: -98.288+/-15.487 χ^2/NDF:25.4/20

+ sign 62.789+/-13.154 χ^2/NDF: 73.7/37

All: -0.017+/-9.311 χ^2/NDF: 194.7/77

- 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: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

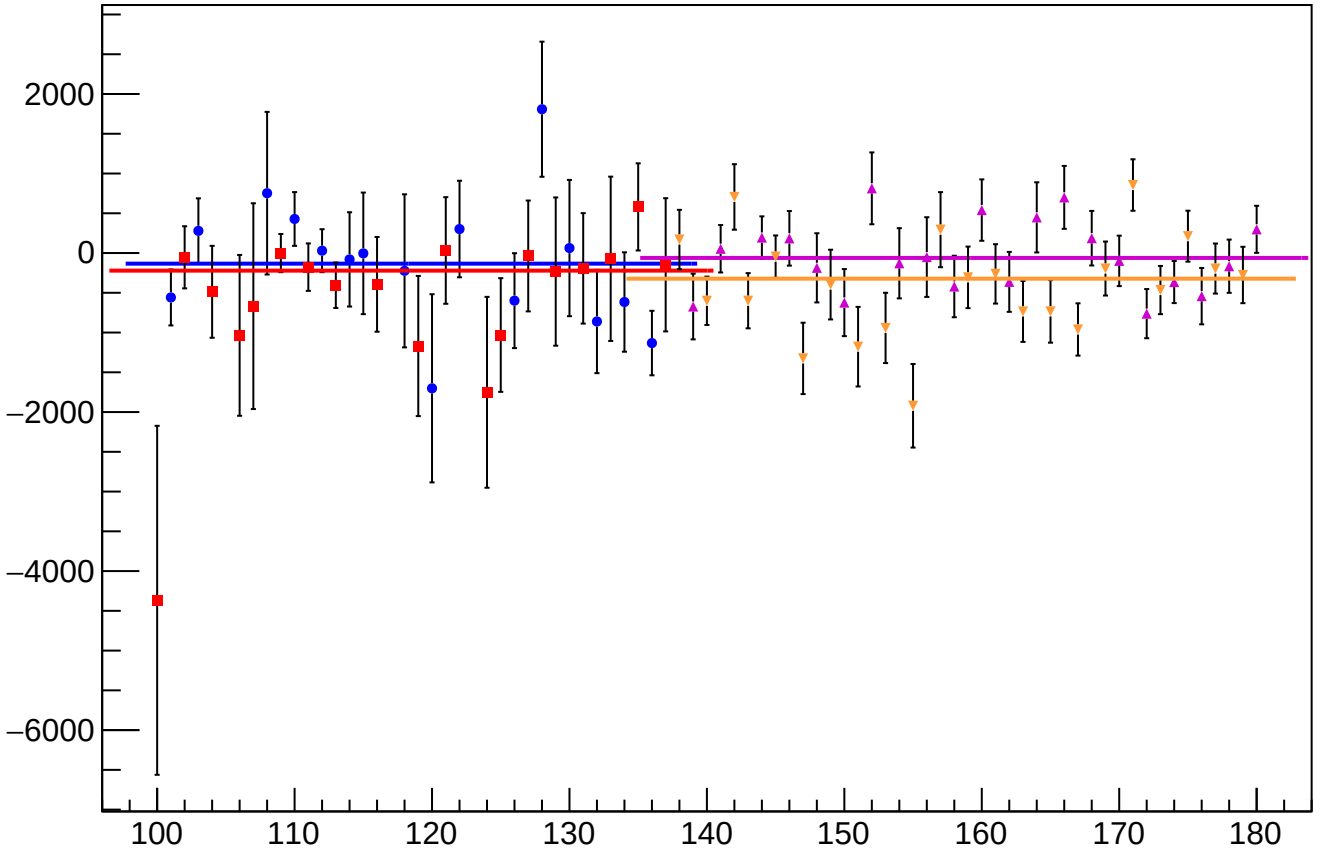
Left In: 64.152+/-0.011 χ^2/NDF:106030.1/20

\+ sign 64.801+/-0.009 χ^2/NDF: 740673.1/37

All: 64.880+/-0.007 χ^2/NDF: 1348448.1/77

\- 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: -322.252+/-77.393 χ^2/NDF:54.0/21

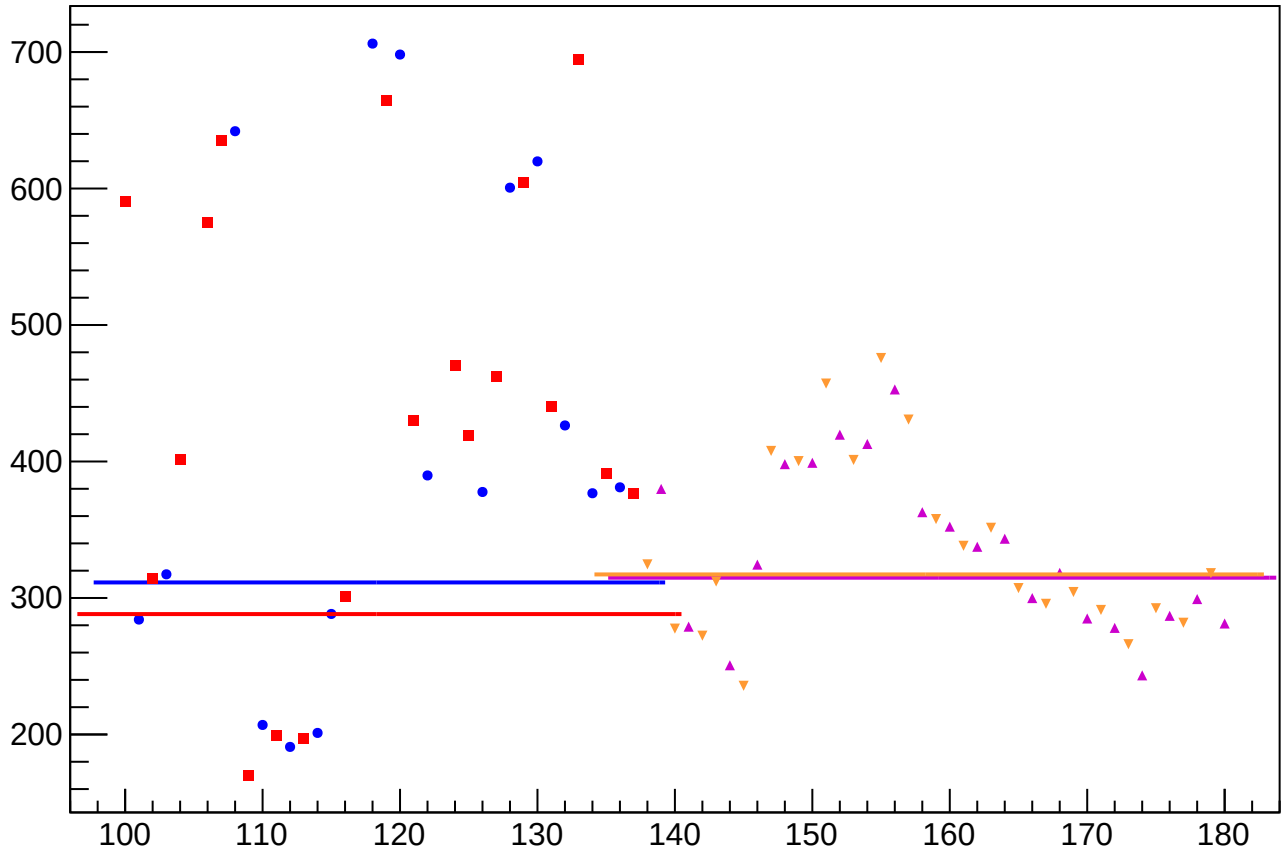
Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -61.533+/-77.152 χ^2/NDF:28.8/20

+ sign -270.515+/-65.932 χ^2/NDF: 78.1/37

All: -188.292+/-46.121 χ^2/NDF: 123.8/77

- sign -109.510+/-64.539 χ^2/NDF: 42.6/39



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 317.258+/-0.055 χ^2/NDF:1089857.5/21

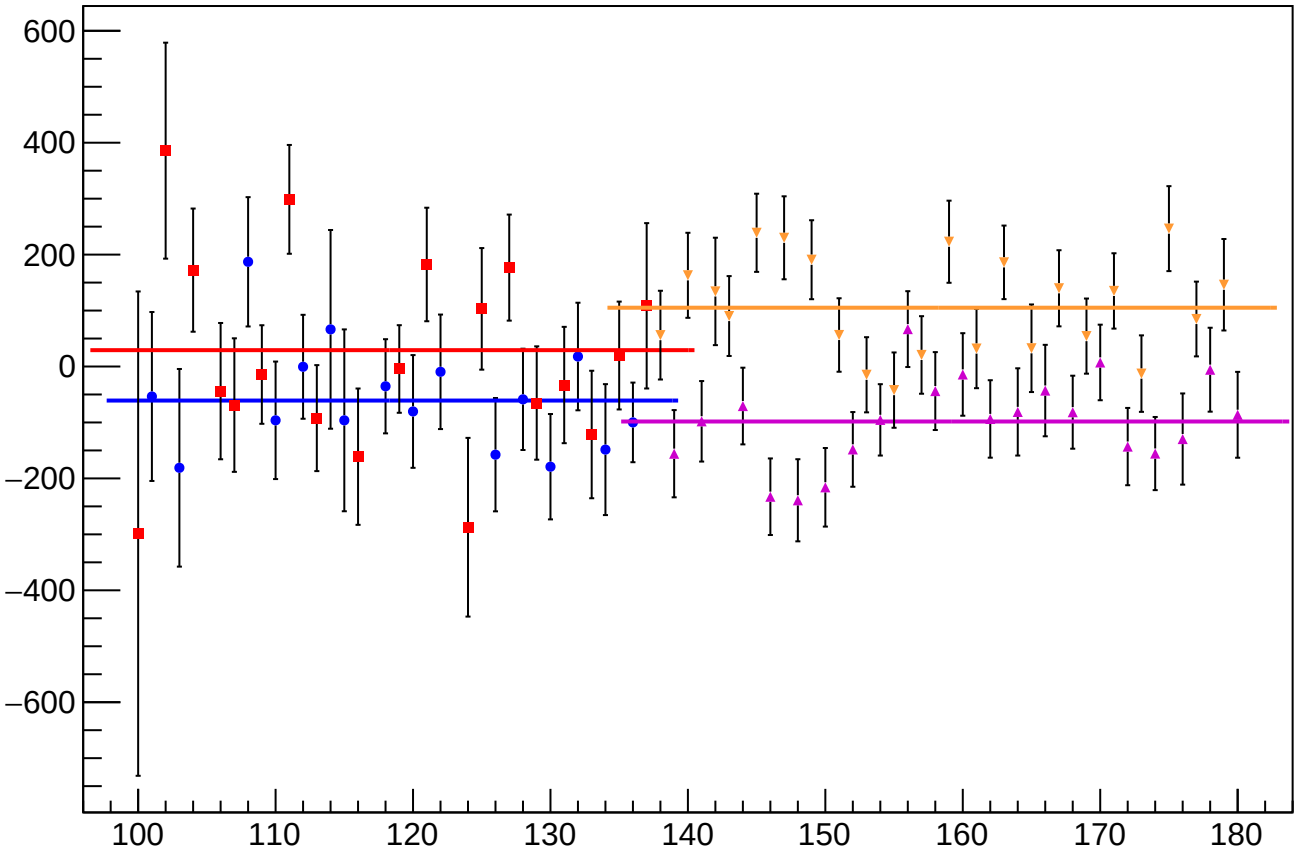
Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 314.868+/-0.055 χ^2/NDF:1009278.2/20

+ sign 315.647+/-0.047 χ^2/NDF: 3216811.8/37

All: 311.161+/-0.033 χ^2/NDF: 7031321.6/77

- sign 306.862+/-0.046 χ^2/NDF: 3796376.0/39



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

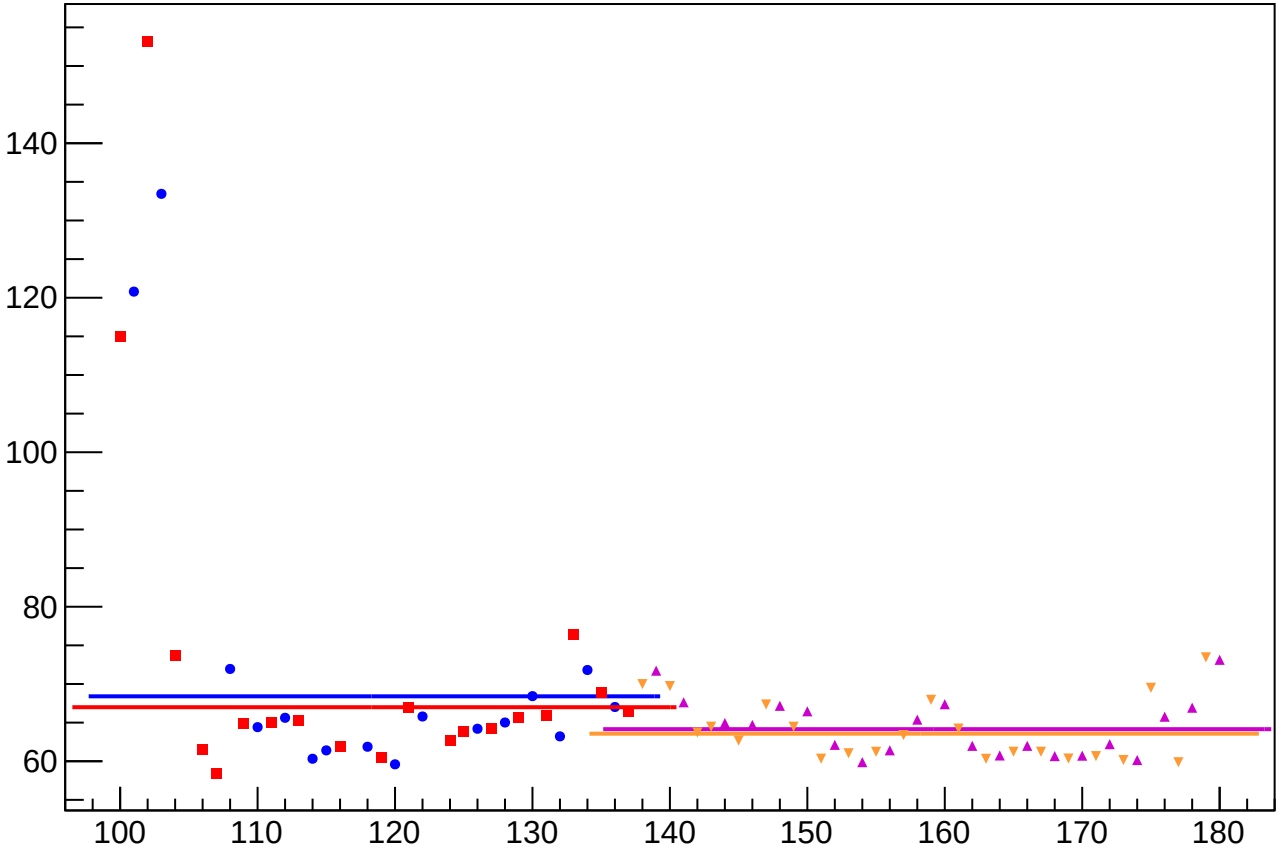
Left In: -98.286+/-15.487 χ^2/NDF:25.4/20

+ sign 62.788+/-13.154 χ^2/NDF: 73.7/37

All: -0.061+/-9.313 χ^2/NDF: 194.8/77

- 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: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

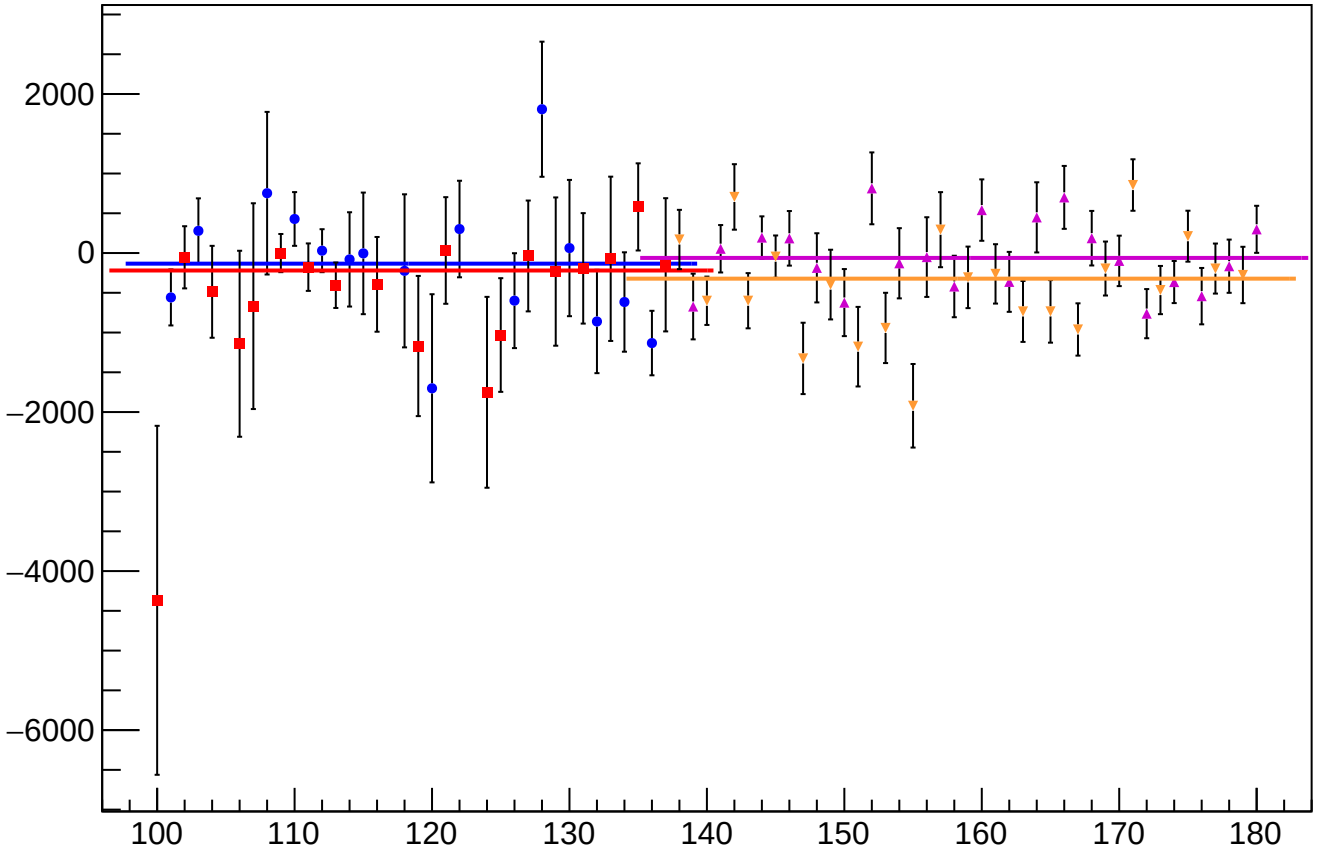
Left In: 64.152+/-0.011 χ^2/NDF:106030.1/20

+ sign 64.801+/-0.009 χ^2/NDF: 740673.5/37

All: 64.867+/-0.007 χ^2/NDF: 1349825.6/77

- 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: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

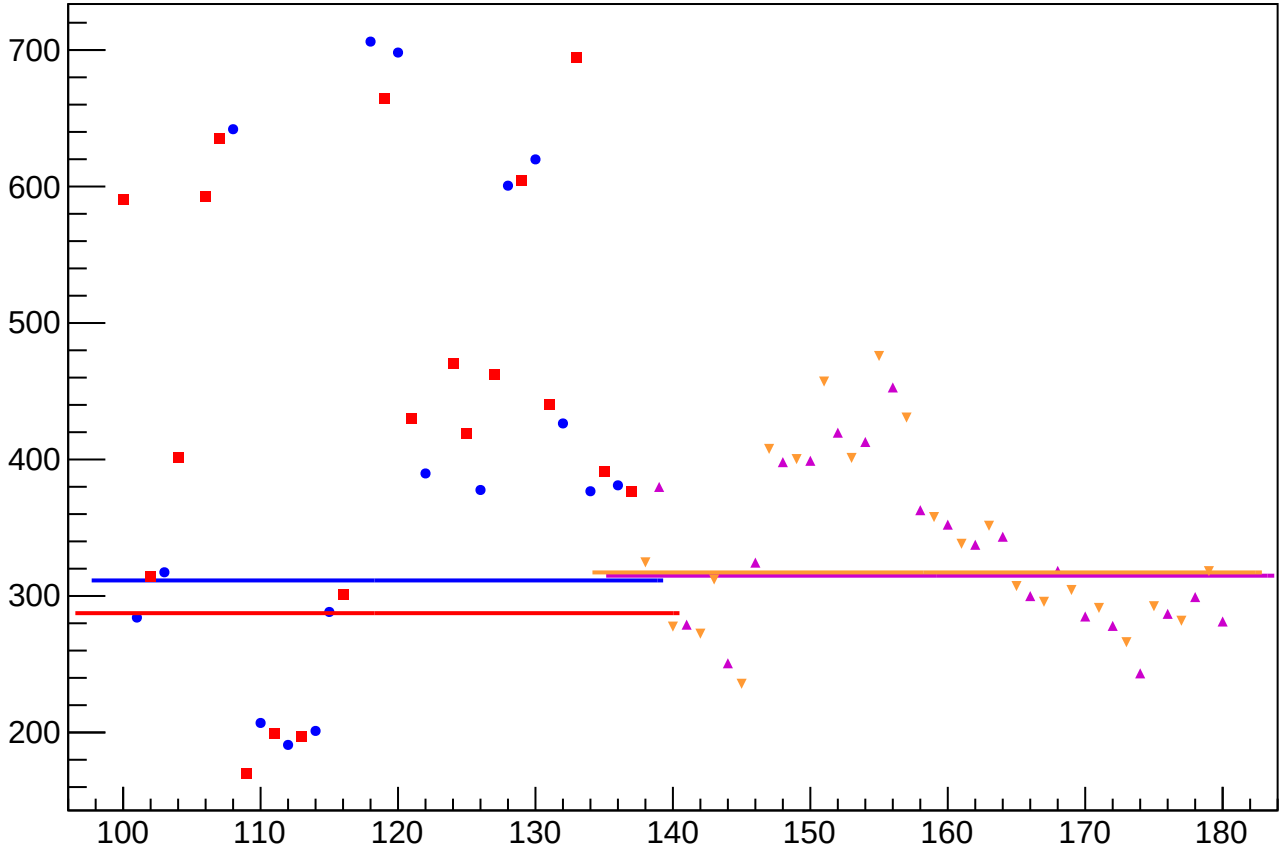
Left In: -61.528+/-77.152 χ^2/NDF:28.8/20

+ sign -270.514+/-65.932 χ^2/NDF: 78.1/37

All: -188.011+/-46.133 χ^2/NDF: 123.7/77

- 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: 317.257+/-0.055 χ^2/NDF:1089862.2/21

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

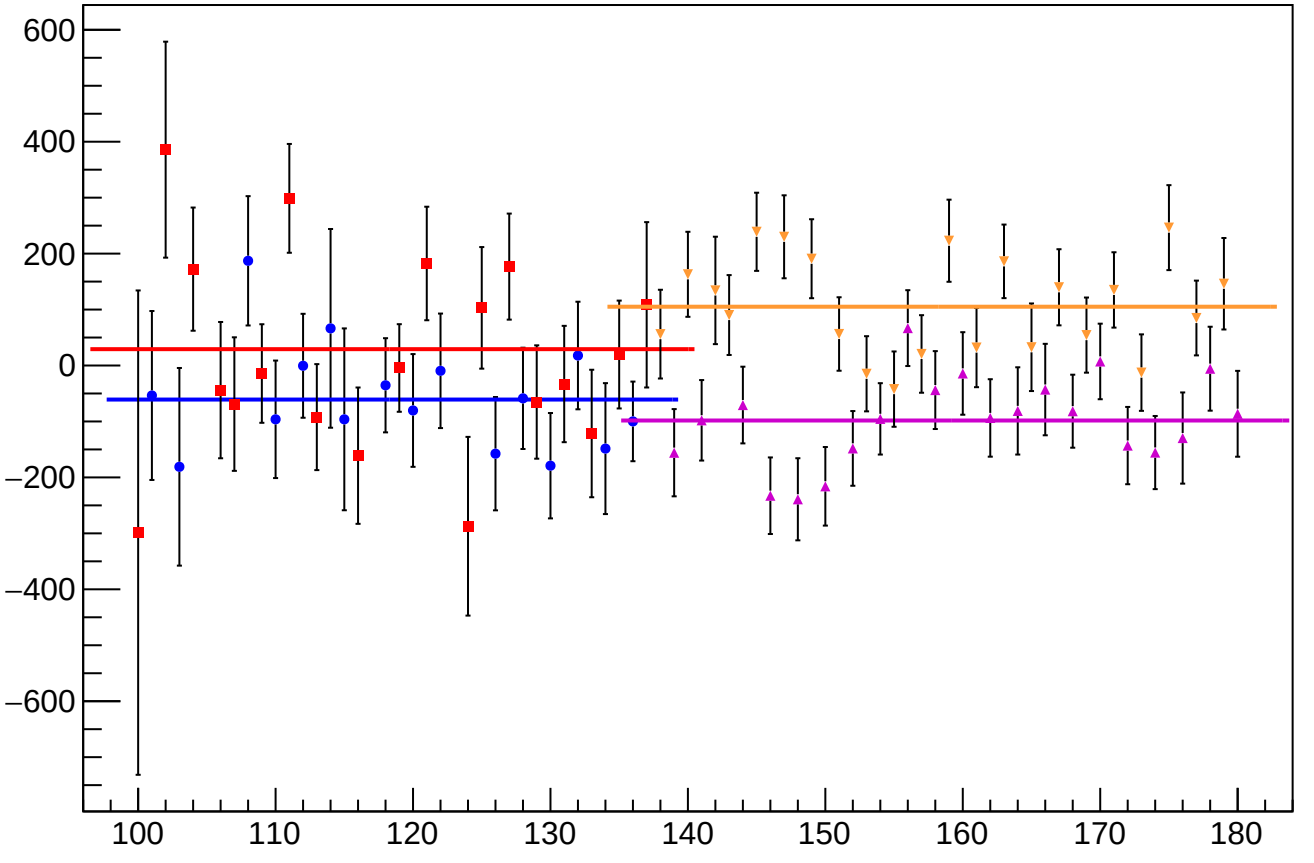
Left In: 314.868+/-0.055 χ^2/NDF:1009281.3/20

+ sign 315.648+/-0.047 χ^2/NDF: 3216815.5/37

All: 311.052+/-0.033 χ^2/NDF: 7011242.4/77

- 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: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

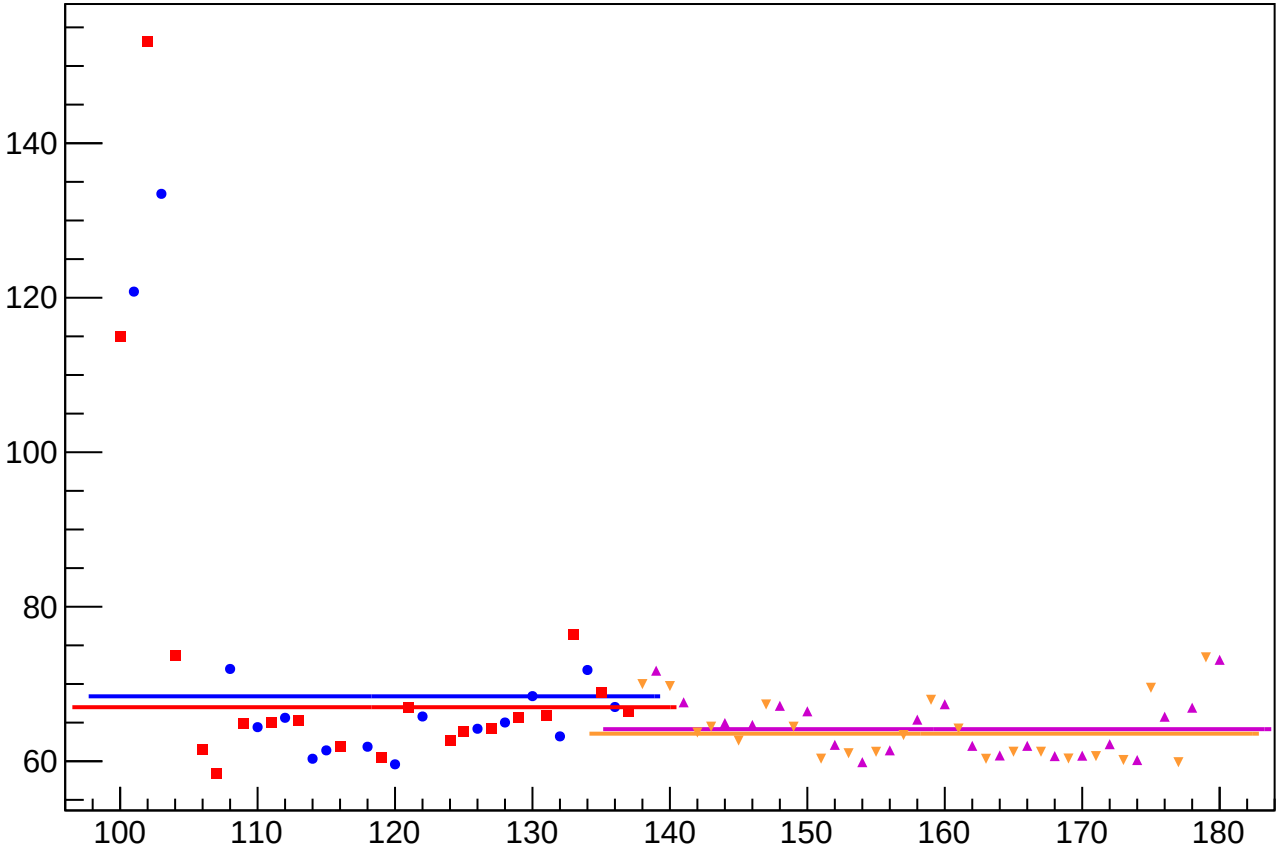
Left In: -98.286+/-15.487 χ^2/NDF:25.4/20

+ sign 62.788+/-13.154 χ^2/NDF: 73.7/37

All: -0.061+/-9.313 χ^2/NDF: 194.8/77

- 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: 63.568+/-0.011 χ^2/NDF:119787.7/21

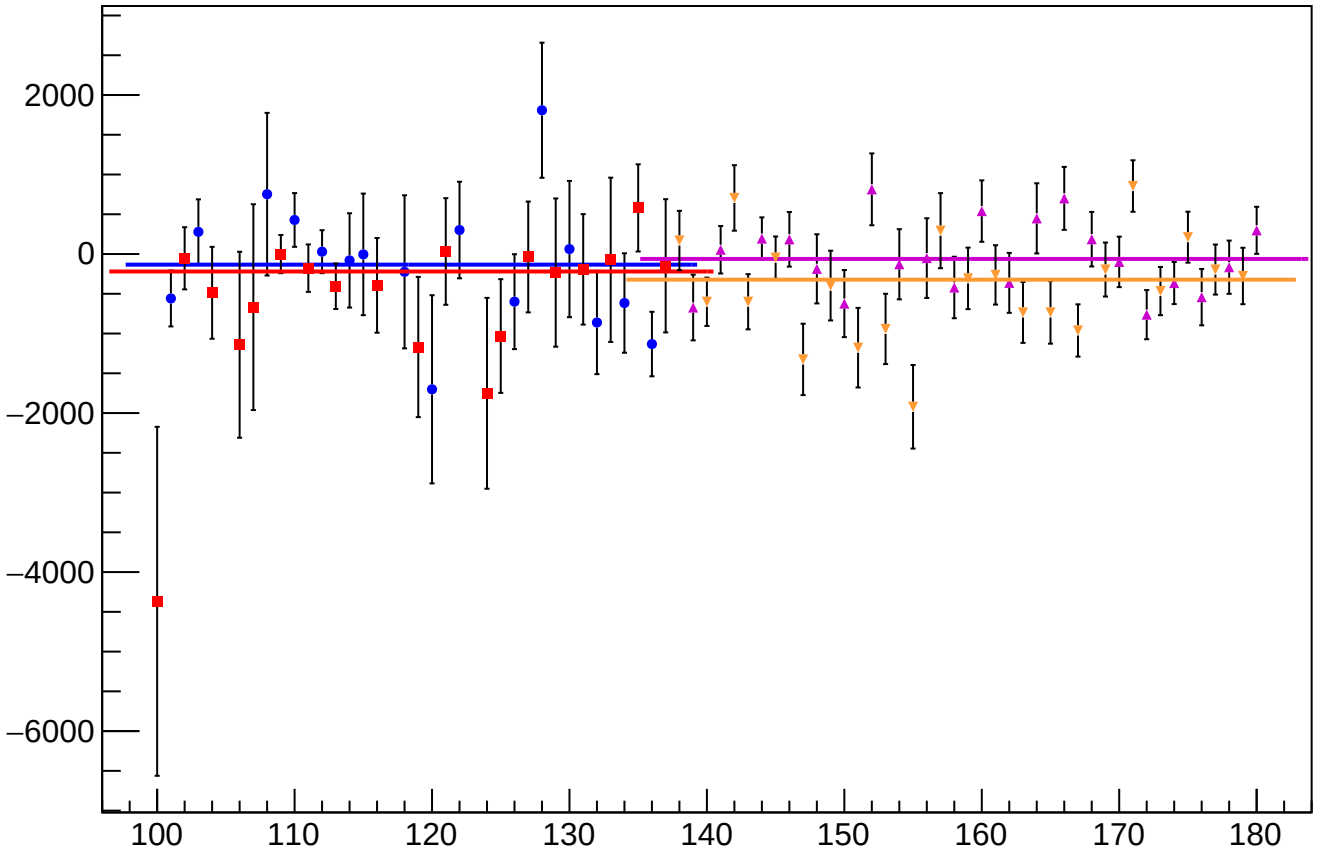
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.152+/-0.011 χ^2/NDF:106030.1/20

+ sign 64.801+/-0.009 χ^2/NDF: 740673.5/37

All: 64.867+/-0.007 χ^2/NDF: 1349825.6/77

- 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: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

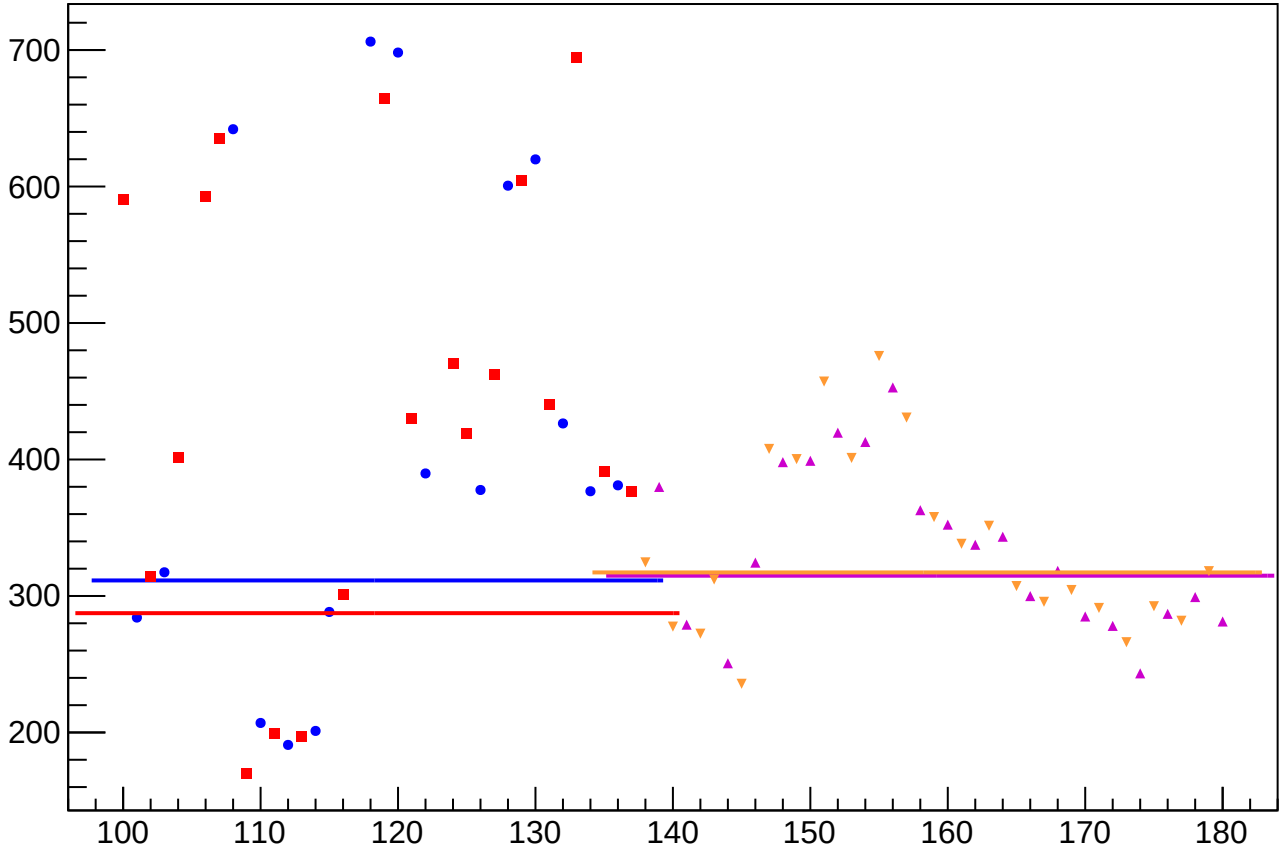
Left In: -61.528+/-77.152 χ^2/NDF:28.8/20

+ sign -270.514+/-65.932 χ^2/NDF: 78.1/37

All: -188.011+/-46.133 χ^2/NDF: 123.7/77

- 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: 317.257+/-0.055 χ^2/NDF:1089862.2/21

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

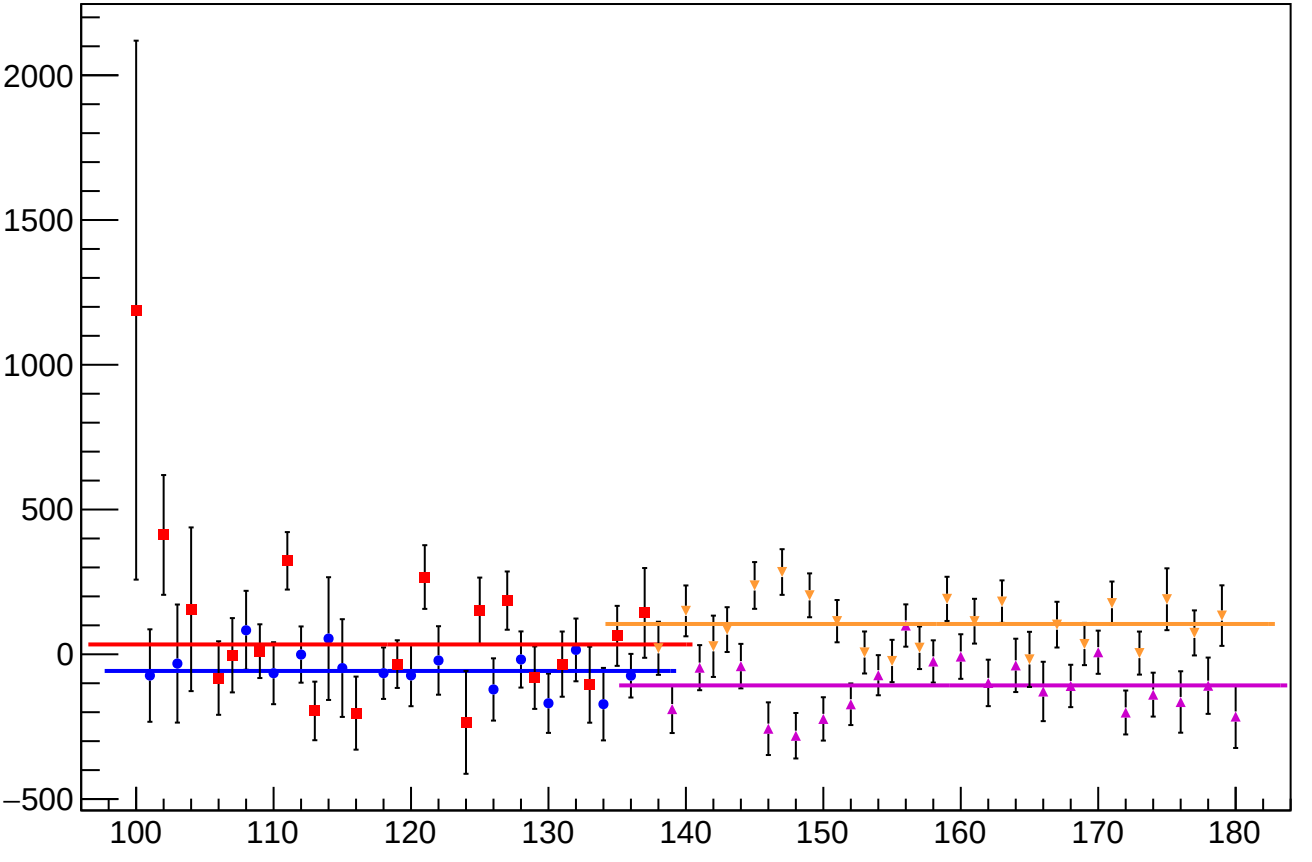
Left In: 314.868+/-0.055 χ^2/NDF:1009281.3/20

+ sign 315.648+/-0.047 χ^2/NDF: 3216815.5/37

All: 311.052+/-0.033 χ^2/NDF: 7011242.4/77

- 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: 104.726+/-17.073 χ^2/NDF:26.1/21

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

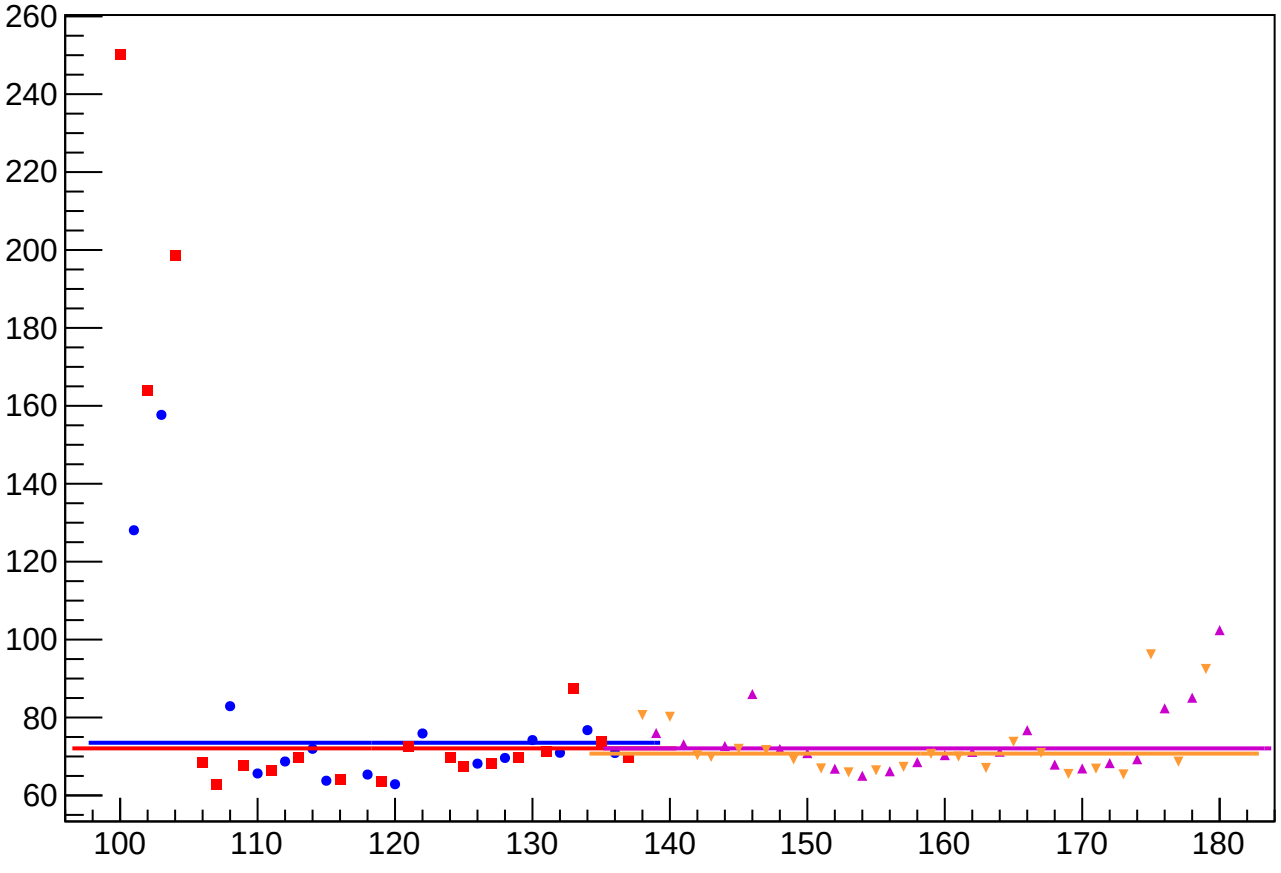
Left In: -107.427+/-17.543 χ^2/NDF:30.3/20

+ sign 60.947+/-14.589 χ^2/NDF: 55.3/37

All: -1.872+/-10.381 χ^2/NDF: 179.3/77

- 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: 70.737+/-0.012 χ^2/NDF:308383.6/21

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

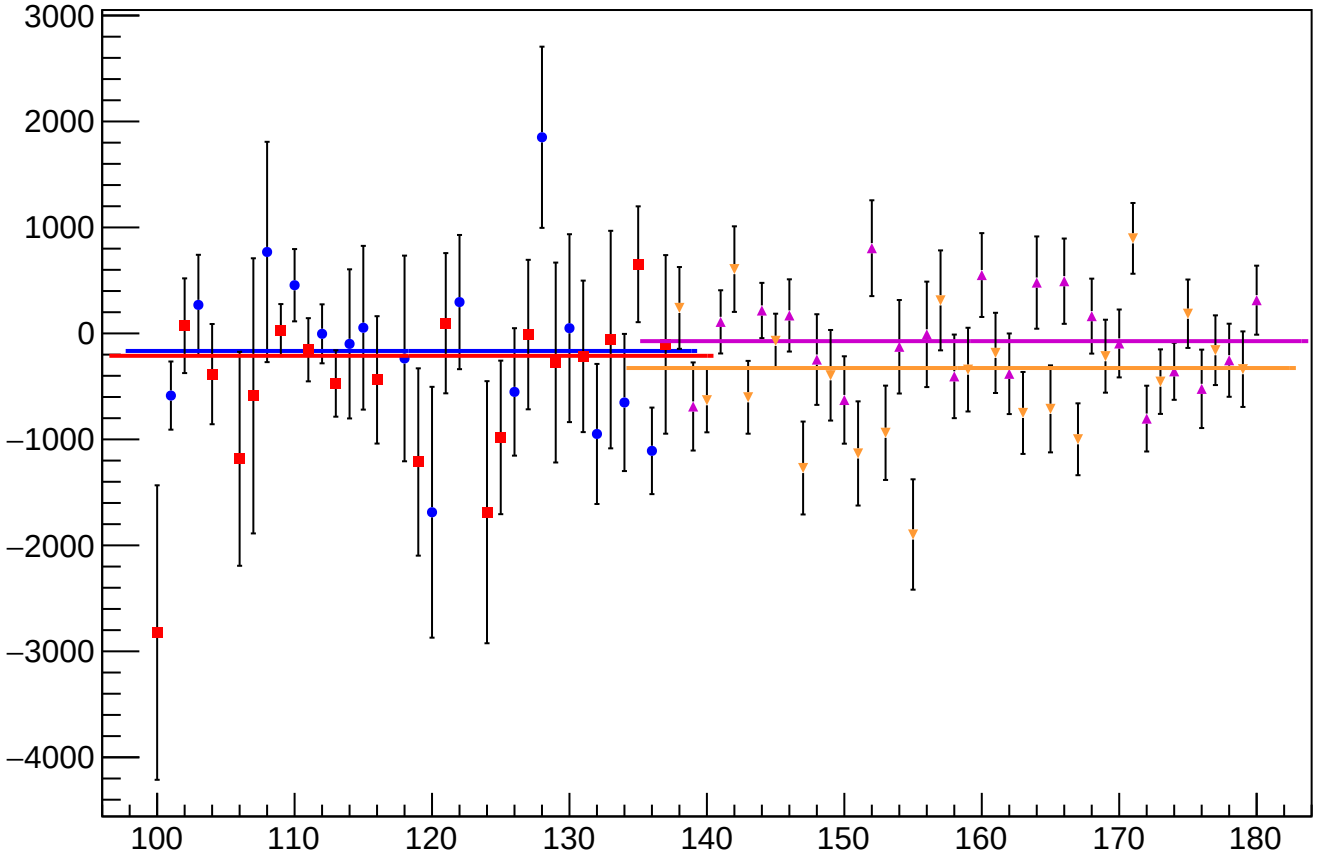
Left In: 72.074+/-0.012 χ^2/NDF:341128.6/20

+ sign 71.488+/-0.010 χ^2/NDF: 979559.3/37

All: 71.777+/-0.007 χ^2/NDF: 2280779.0/77

- sign 72.074+/-0.010 χ^2/NDF: 1299623.6/39

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -326.598+/-77.823 χ^2/NDF:53.0/21

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

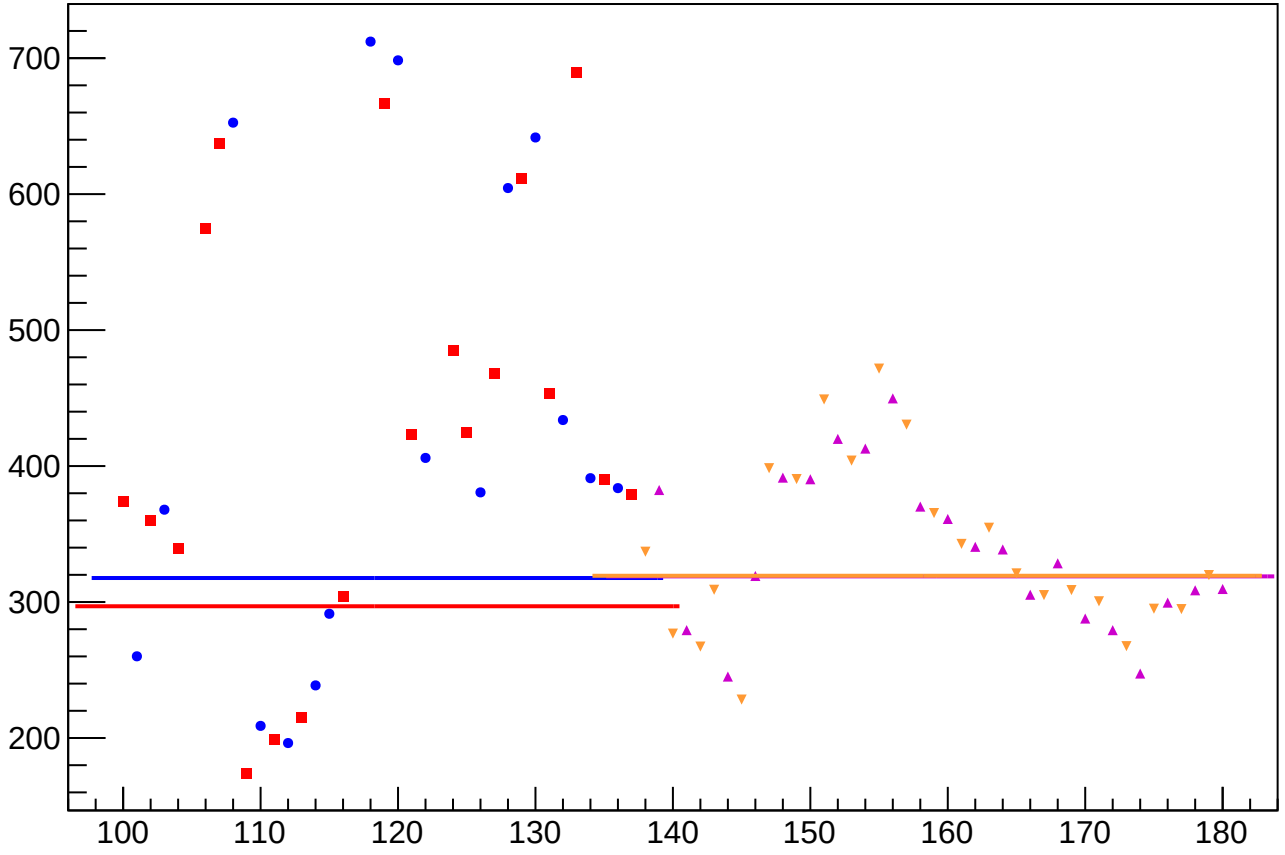
Left In: -72.887+/-78.083 χ^2/NDF:27.8/20

+ sign -283.336+/-66.558 χ^2/NDF: 76.7/37

All: -197.276+/-46.673 χ^2/NDF: 122.4/77

- 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: 319.317+/-0.055 χ^2/NDF:1089097.7/21

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

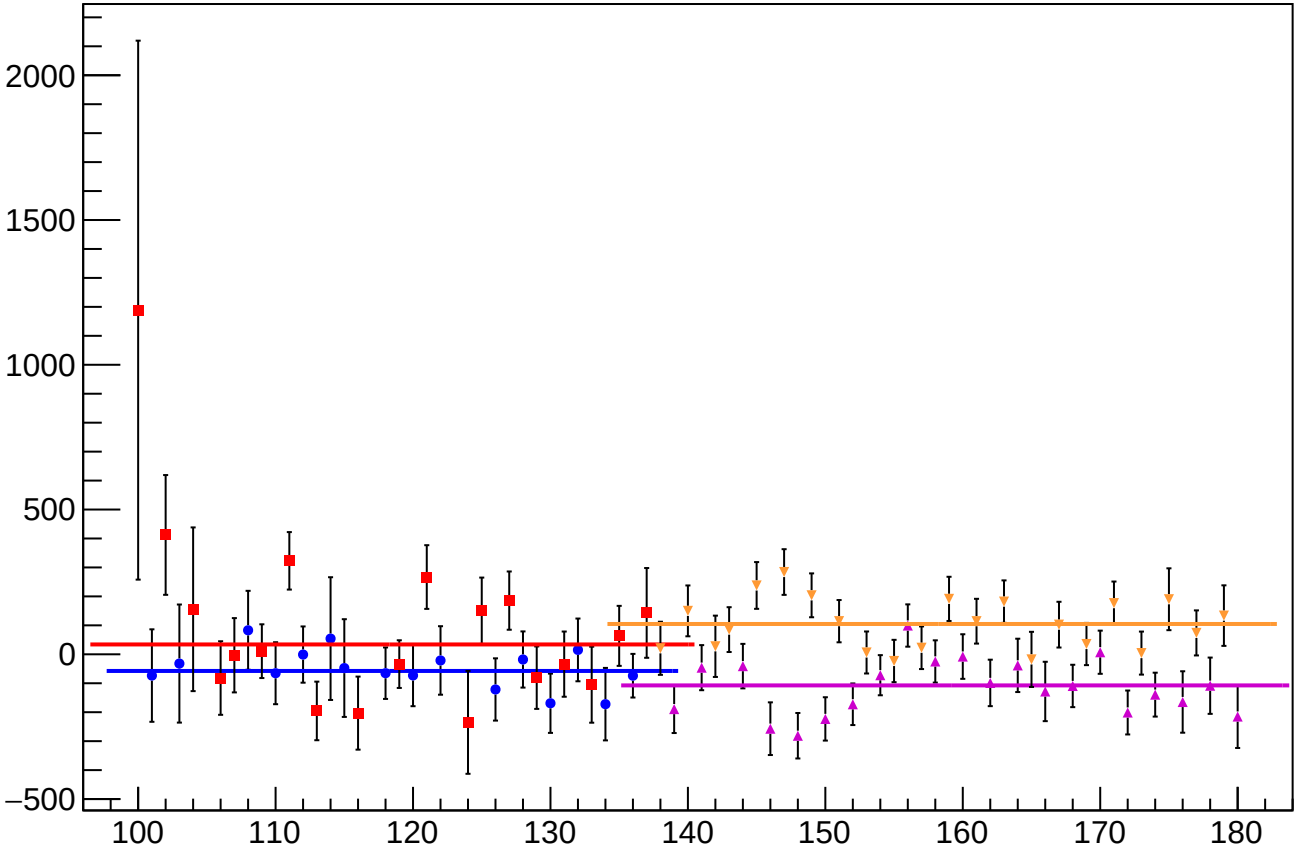
Left In: 318.865+/-0.055 χ^2/NDF:960681.8/20

+ sign 318.873+/-0.047 χ^2/NDF: 3225533.0/37

All: 315.551+/-0.033 χ^2/NDF: 6784119.5/77

- 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: 104.726+/-17.073 χ^2/NDF:26.1/21

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

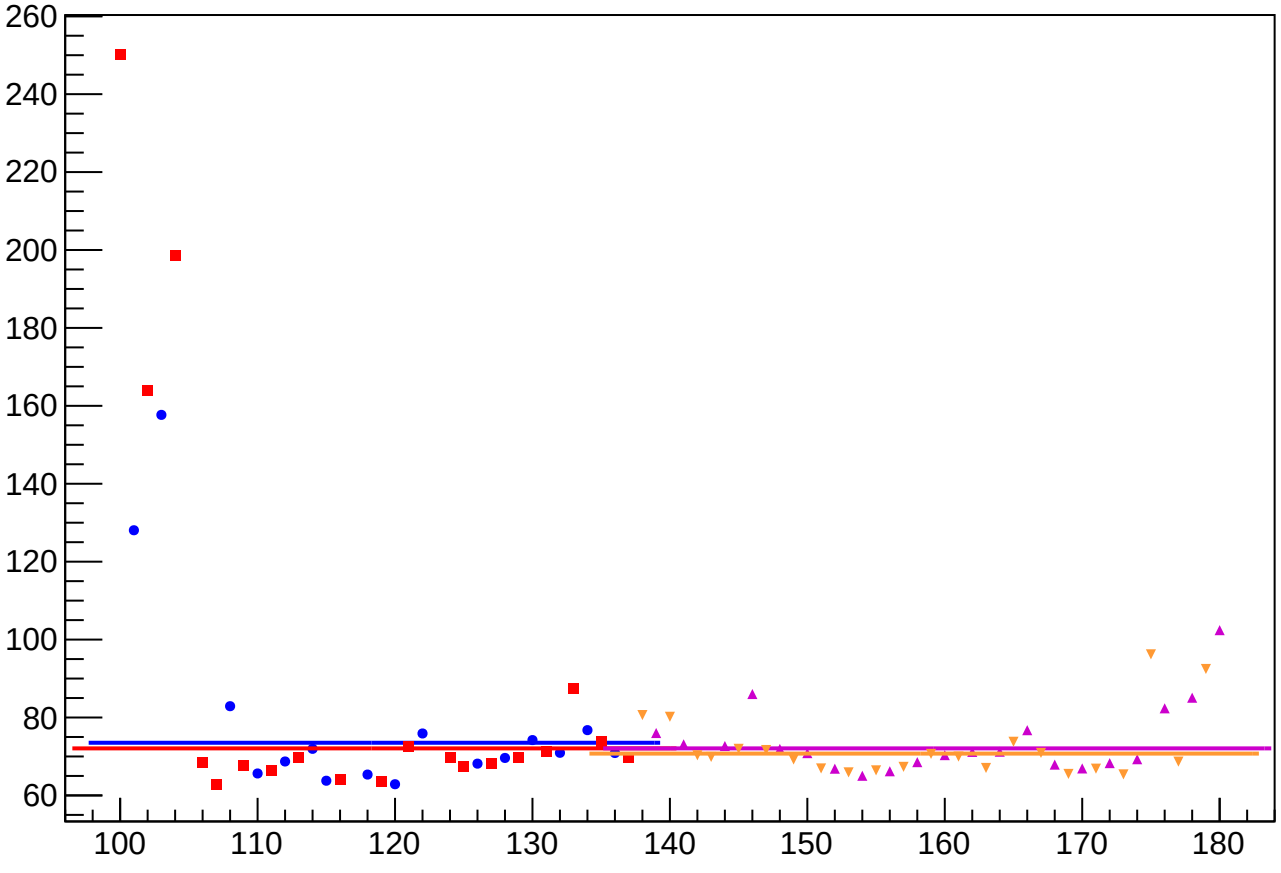
Left In: -107.427+/-17.543 χ^2/NDF:30.3/20

+ sign 60.947+/-14.589 χ^2/NDF: 55.3/37

All: -1.872+/-10.381 χ^2/NDF: 179.2/77

- 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: 70.737+/-0.012 χ^2/NDF:308381.9/21

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

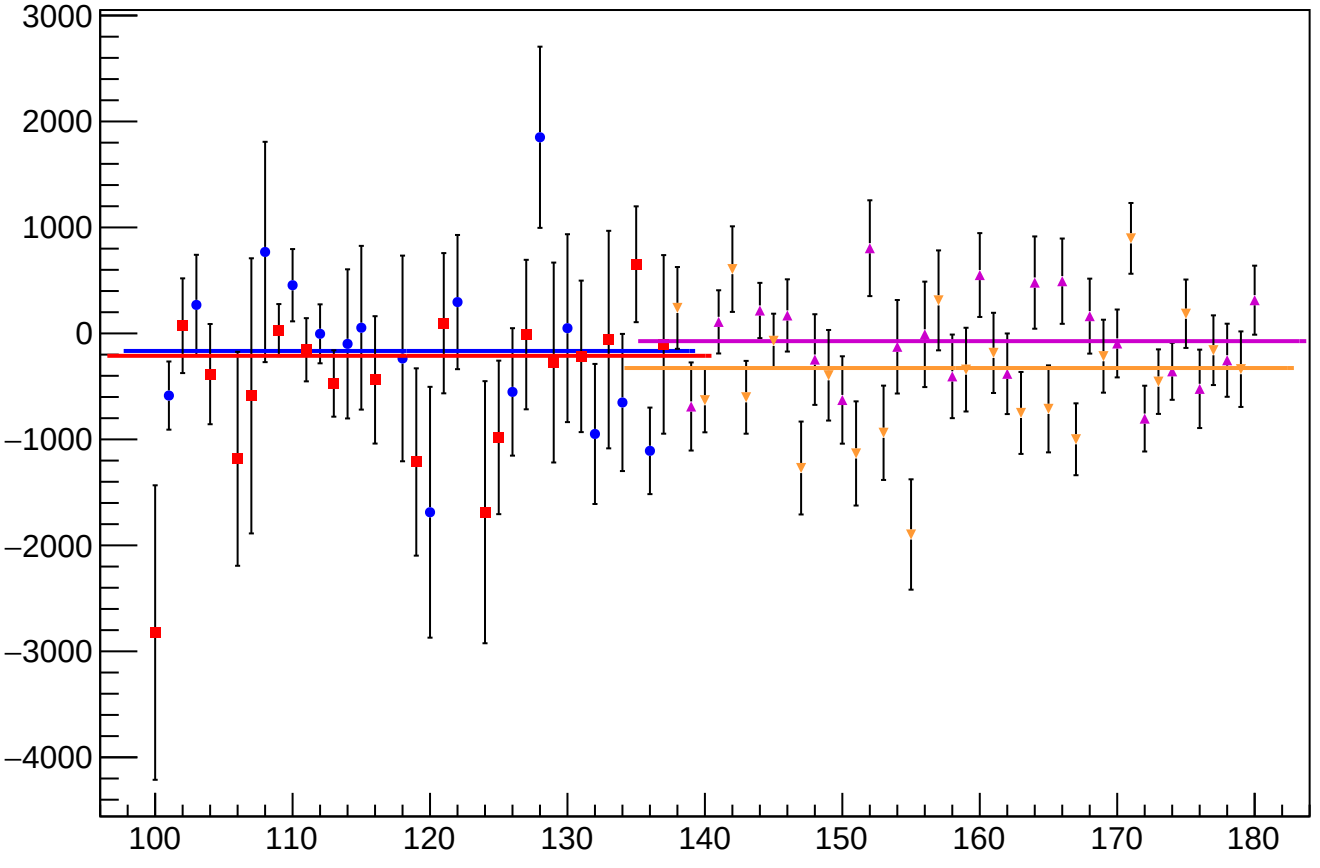
Left In: 72.074+/-0.012 χ^2/NDF:341129.1/20

+ sign 71.488+/-0.010 χ^2/NDF: 979557.8/37

All: 71.777+/-0.007 χ^2/NDF: 2280779.4/77

- sign 72.074+/-0.010 χ^2/NDF: 1299625.4/39

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -326.599+/-77.823 χ^2/NDF:53.0/21

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

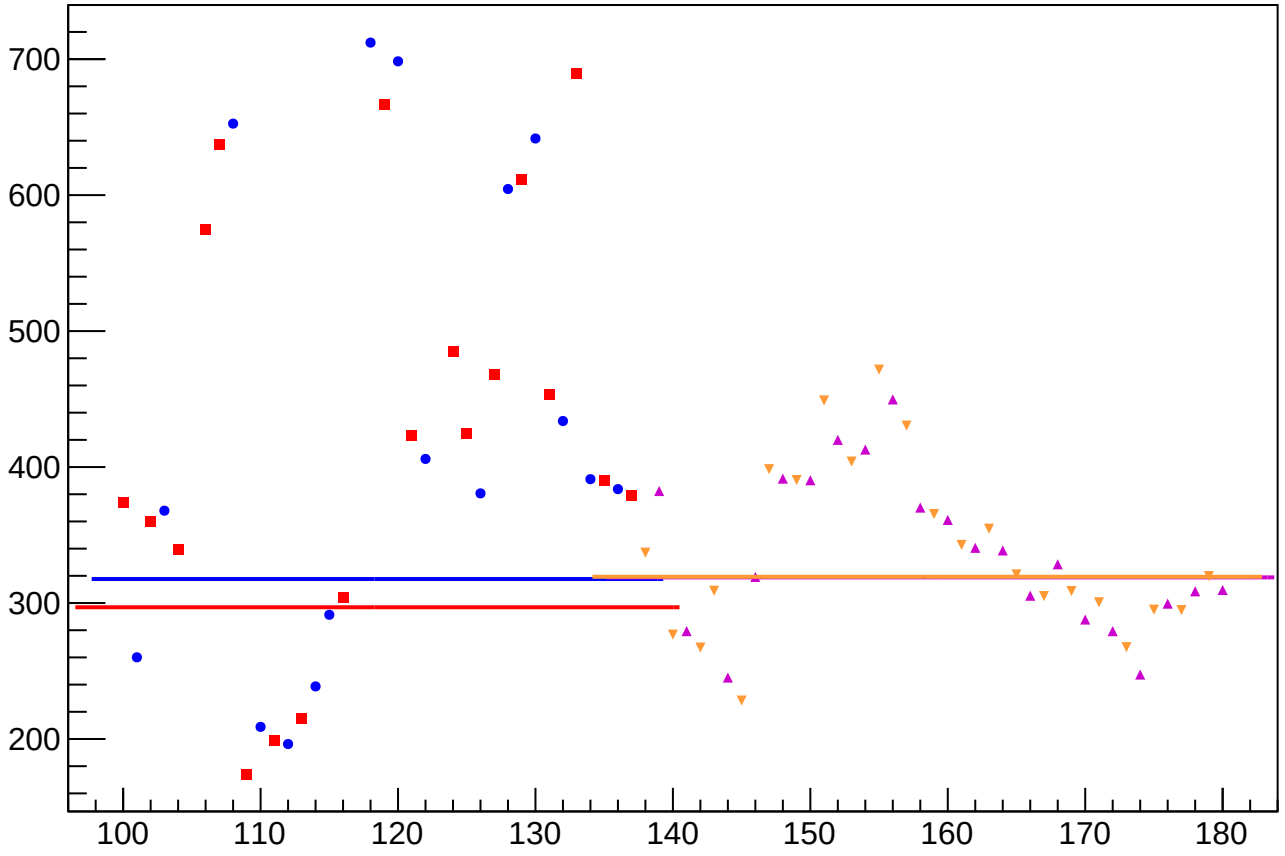
Left In: -72.887+/-78.083 χ^2/NDF:27.8/20

+ sign -283.336+/-66.558 χ^2/NDF: 76.7/37

All: -197.276+/-46.673 χ^2/NDF: 122.4/77

- 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: 319.318+/-0.055 χ^2/NDF:1089102.4/21

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

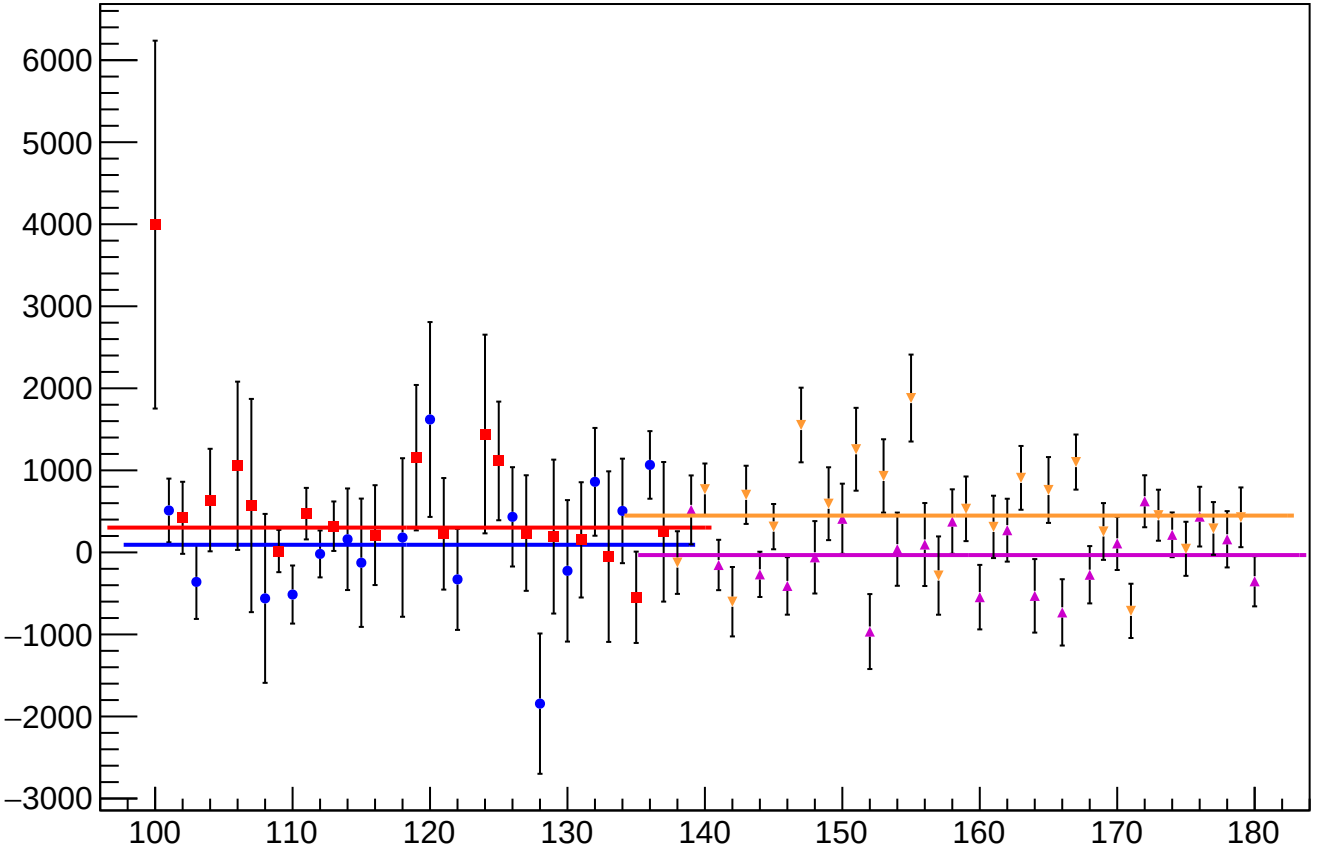
Left In: 318.866+/-0.055 χ^2/NDF:960679.3/20

+ sign 318.873+/-0.047 χ^2/NDF: 3225570.1/37

All: 315.551+/-0.033 χ^2/NDF: 6784172.0/77

- 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: 448.750+/-79.113 χ^2/NDF:49.9/21

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

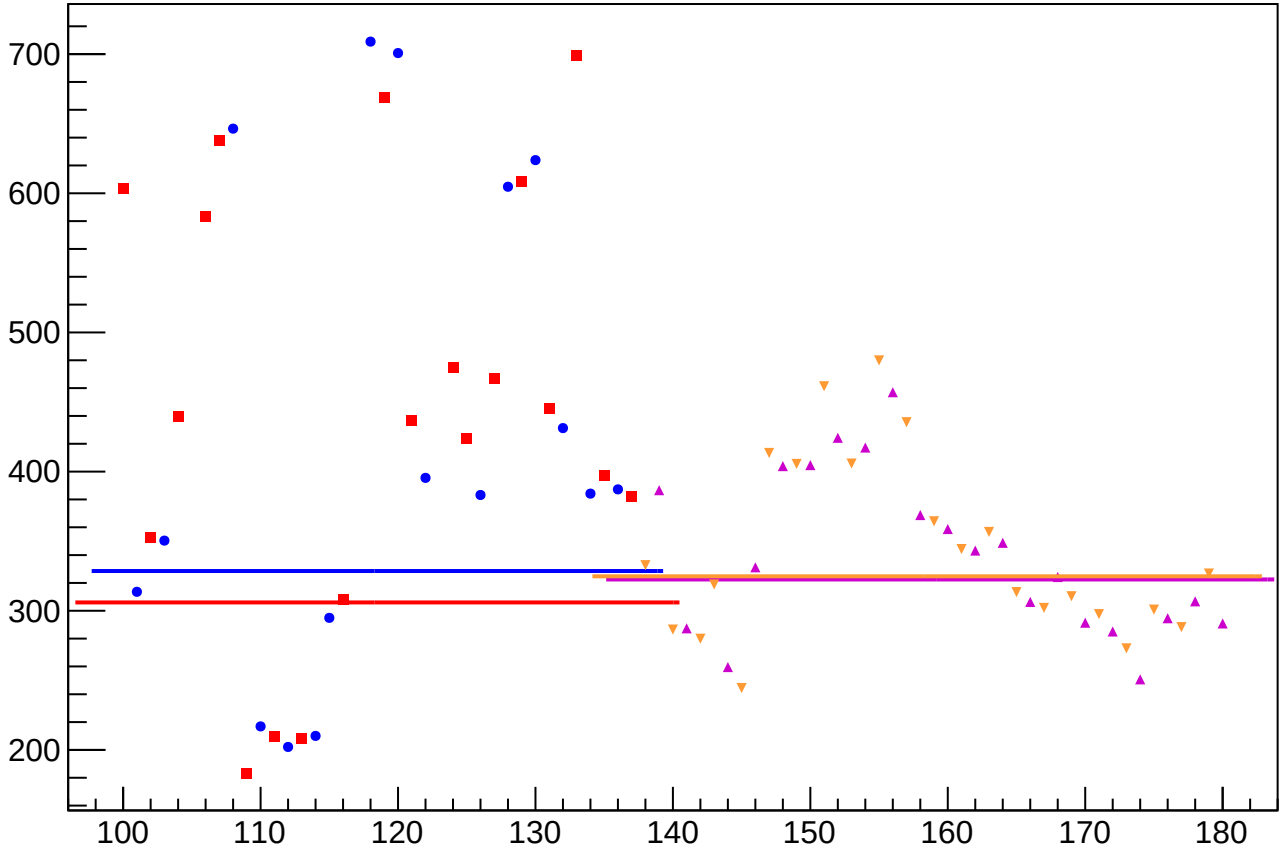
Left In: -32.676+/-78.919 χ^2/NDF:25.5/20

+ sign 354.604+/-67.849 χ^2/NDF: 76.1/37

All: 206.515+/-47.516 χ^2/NDF: 127.0/77

- 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: 324.758+/-0.056 χ^2/NDF:1014519.5/21

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

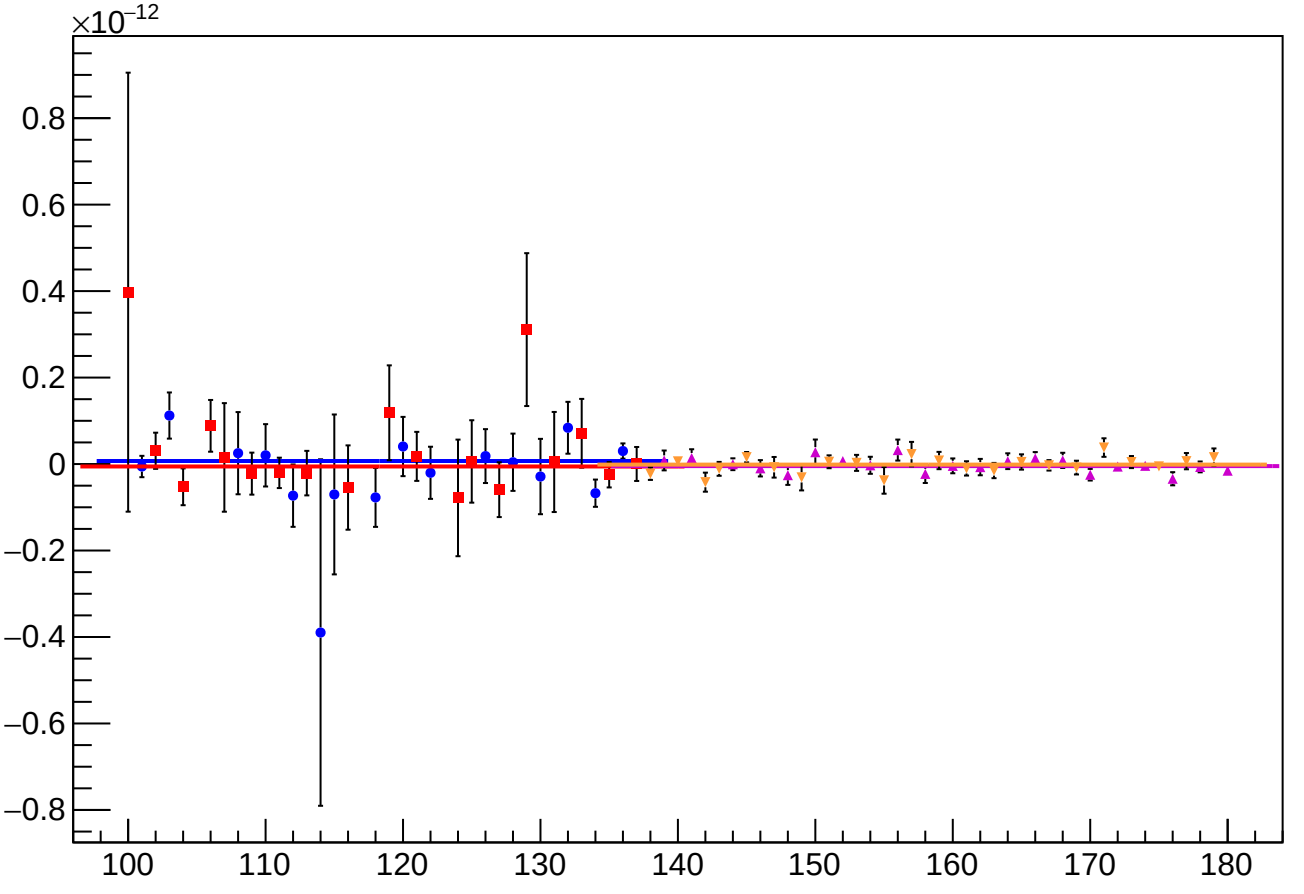
Left In: 322.496+/-0.056 χ^2/NDF:933986.2/20

+ sign 325.766+/-0.048 χ^2/NDF: 2974618.5/37

All: 321.672+/-0.034 χ^2/NDF: 6475605.4/77

- sign 317.733+/-0.047 χ^2/NDF: 3486701.6/39

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/21

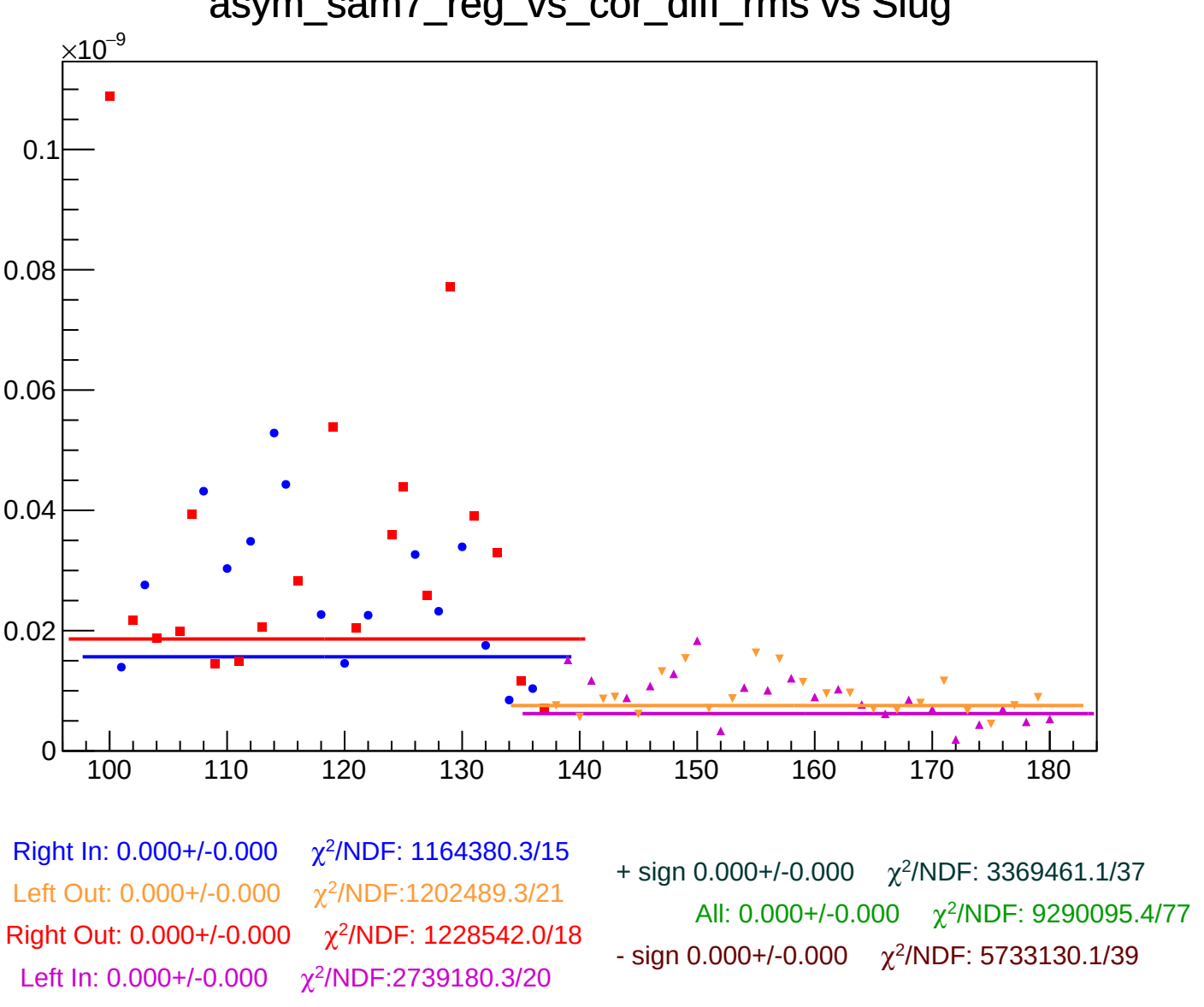
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/20

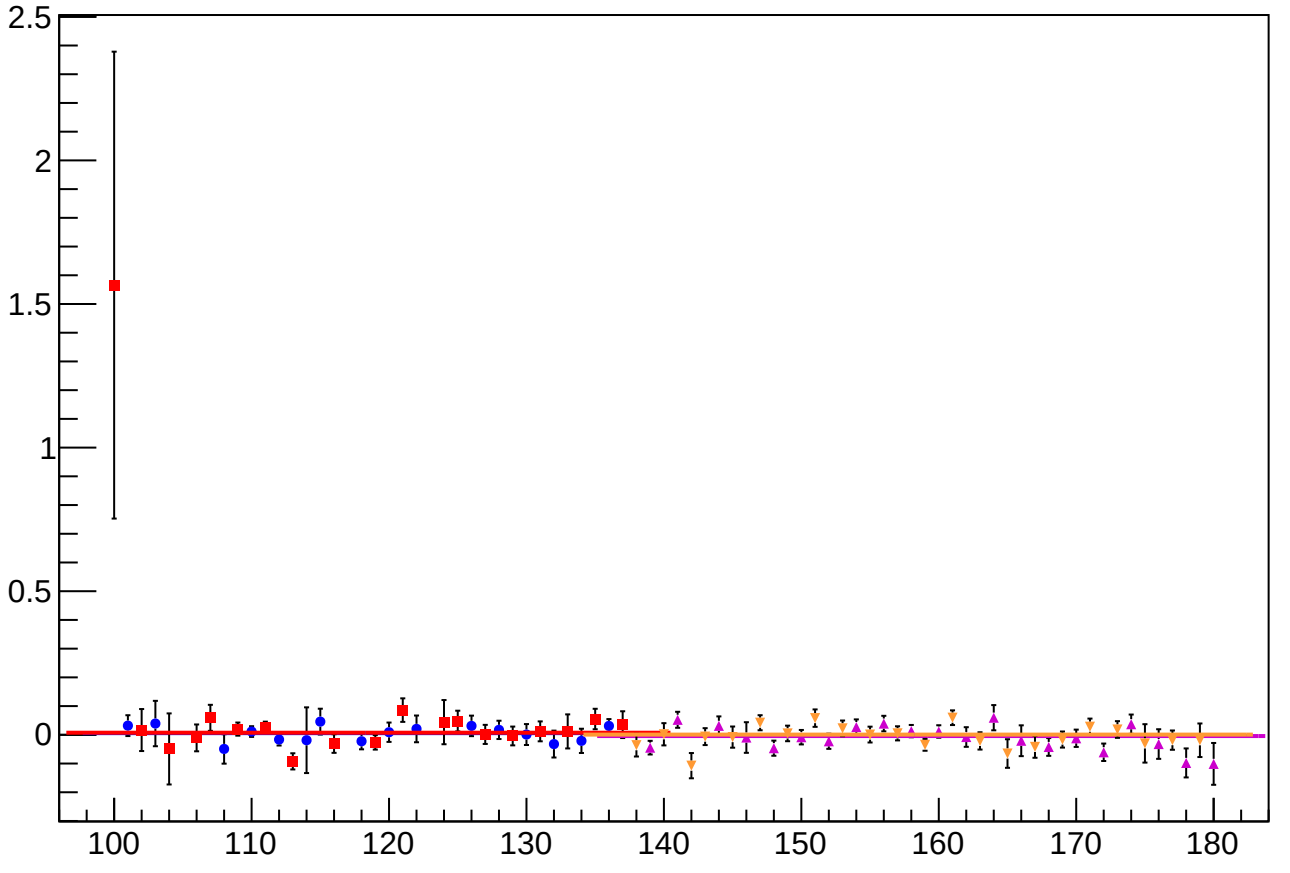
+ sign -0.000+/-0.000 χ^2/NDF: 36.2/37

All: -0.000+/-0.000 χ^2/NDF: 66.6/77

- 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:1202489.3/21
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: 3369461.1/37
All: 0.000+/-0.000 χ²/NDF: 9290095.4/77
- 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:28.0/21

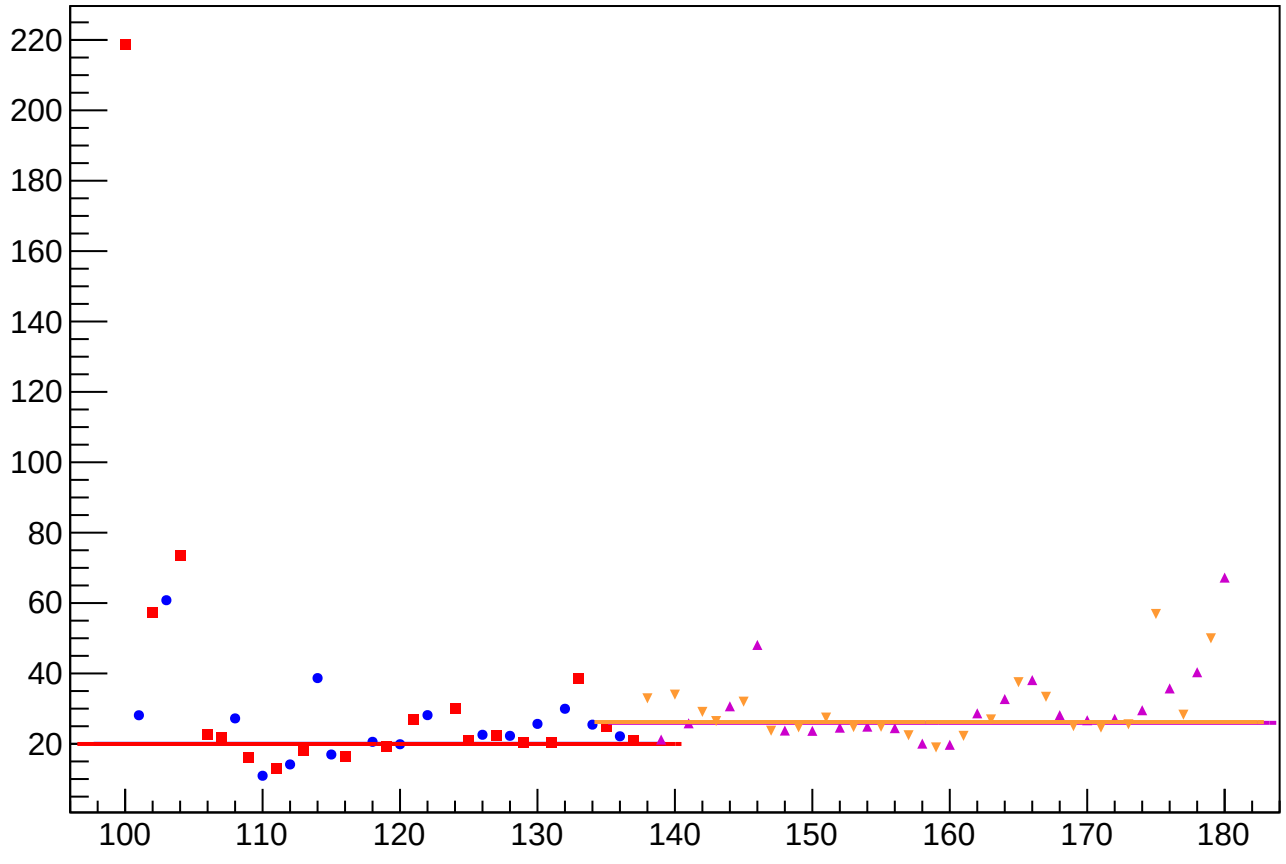
Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.007 χ^2/NDF:30.7/20

+ sign 0.003+/-0.005 χ^2/NDF: 36.1/37

All: 0.002+/-0.004 χ^2/NDF: 97.9/77

- sign 0.000+/-0.005 χ^2/NDF: 61.7/39



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523246.8/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

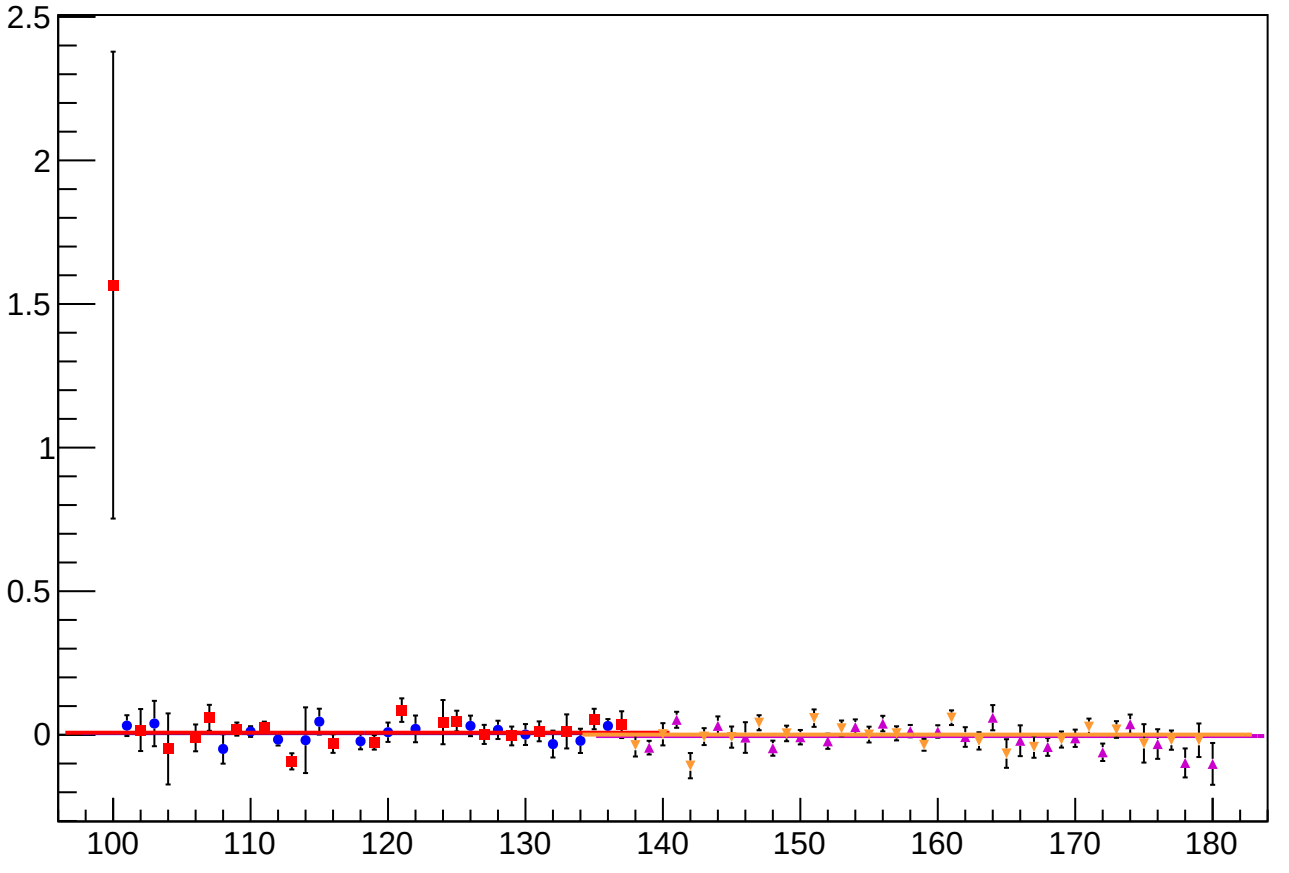
Left In: 25.966+/-0.005 χ^2/NDF:1902720.1/20

+ sign 23.763+/-0.004 χ^2/NDF: 3863790.2/37

All: 23.657+/-0.003 χ^2/NDF: 8142412.9/77

- 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:28.0/21

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

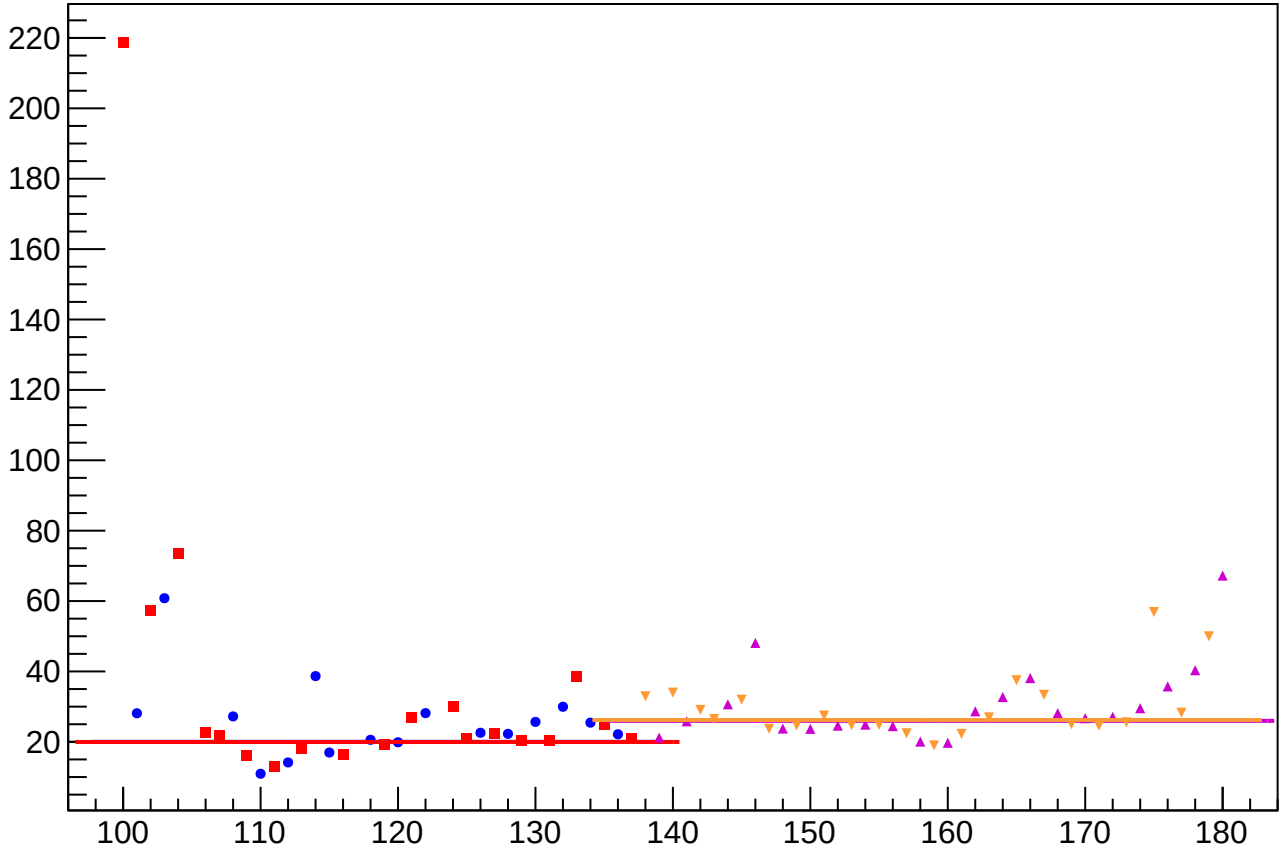
Left In: -0.004+/-0.007 χ^2/NDF:30.7/20

+ sign 0.003+/-0.005 χ^2/NDF: 36.1/37

All: 0.002+/-0.004 χ^2/NDF: 97.9/77

- 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: 26.199+/-0.005 χ^2/NDF:1523246.8/21

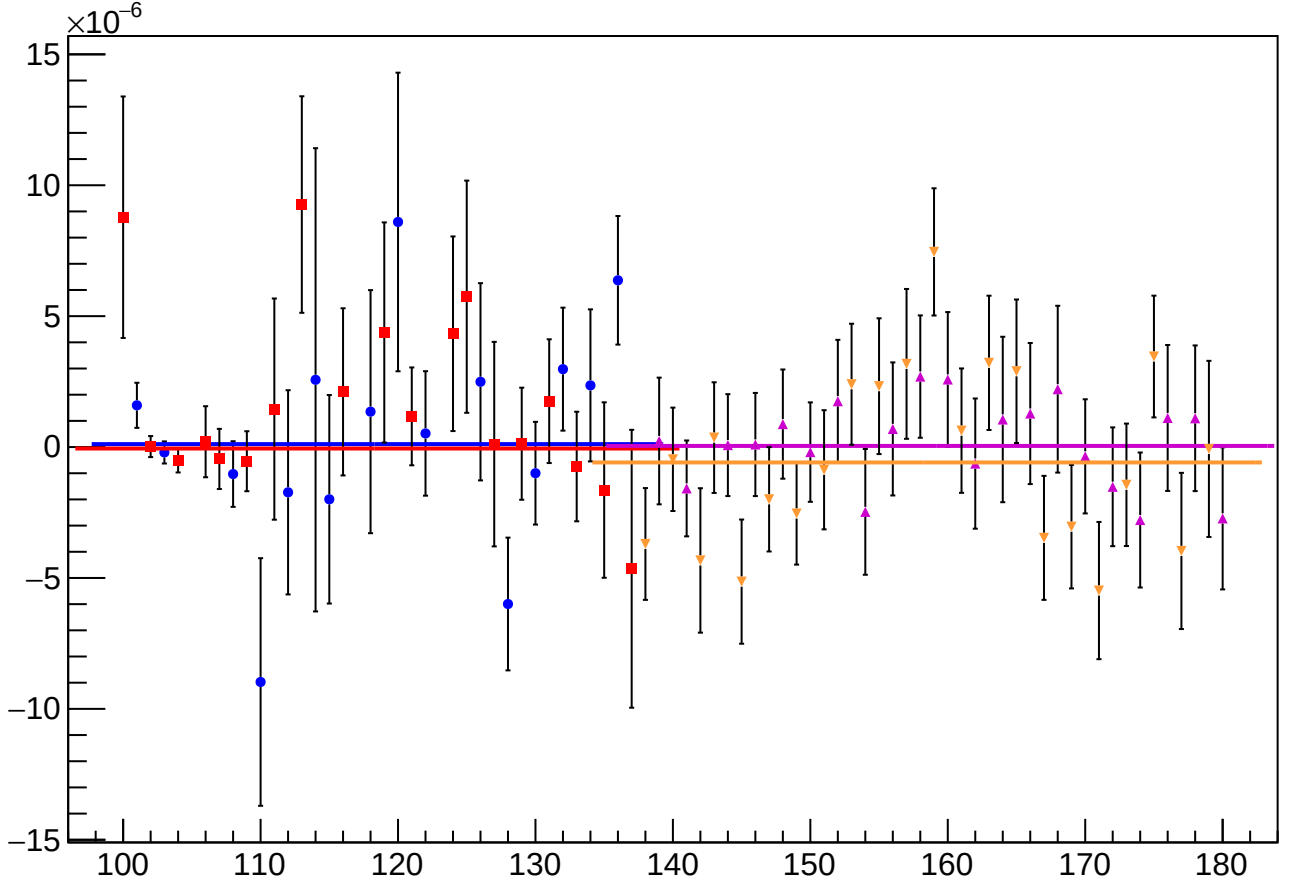
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.966+/-0.005 χ^2/NDF:1902720.1/20

+ sign 23.763+/-0.004 χ^2/NDF: 3863790.2/37

All: 23.657+/-0.003 χ^2/NDF: 8142412.9/77

- 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:39.6/21

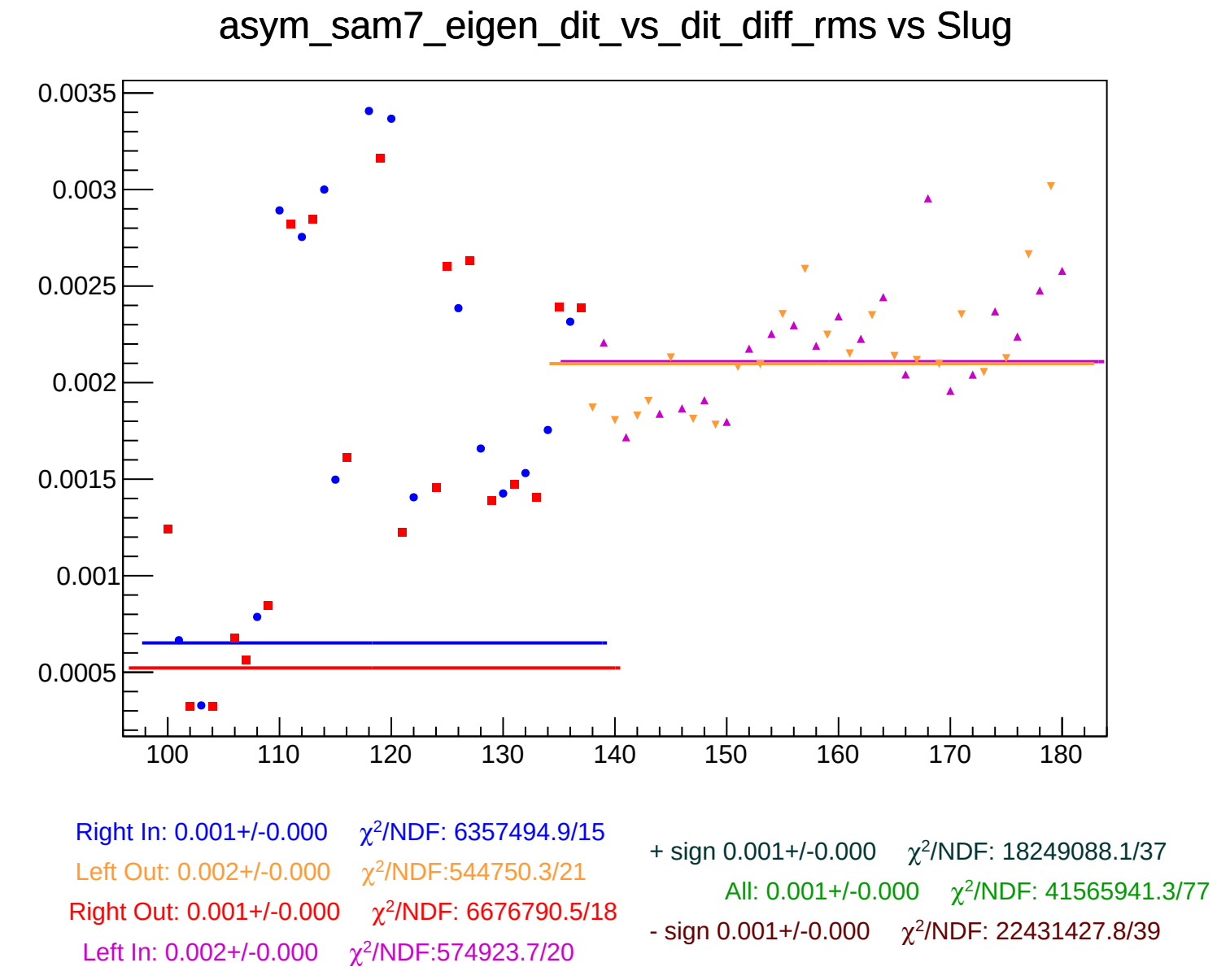
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/20

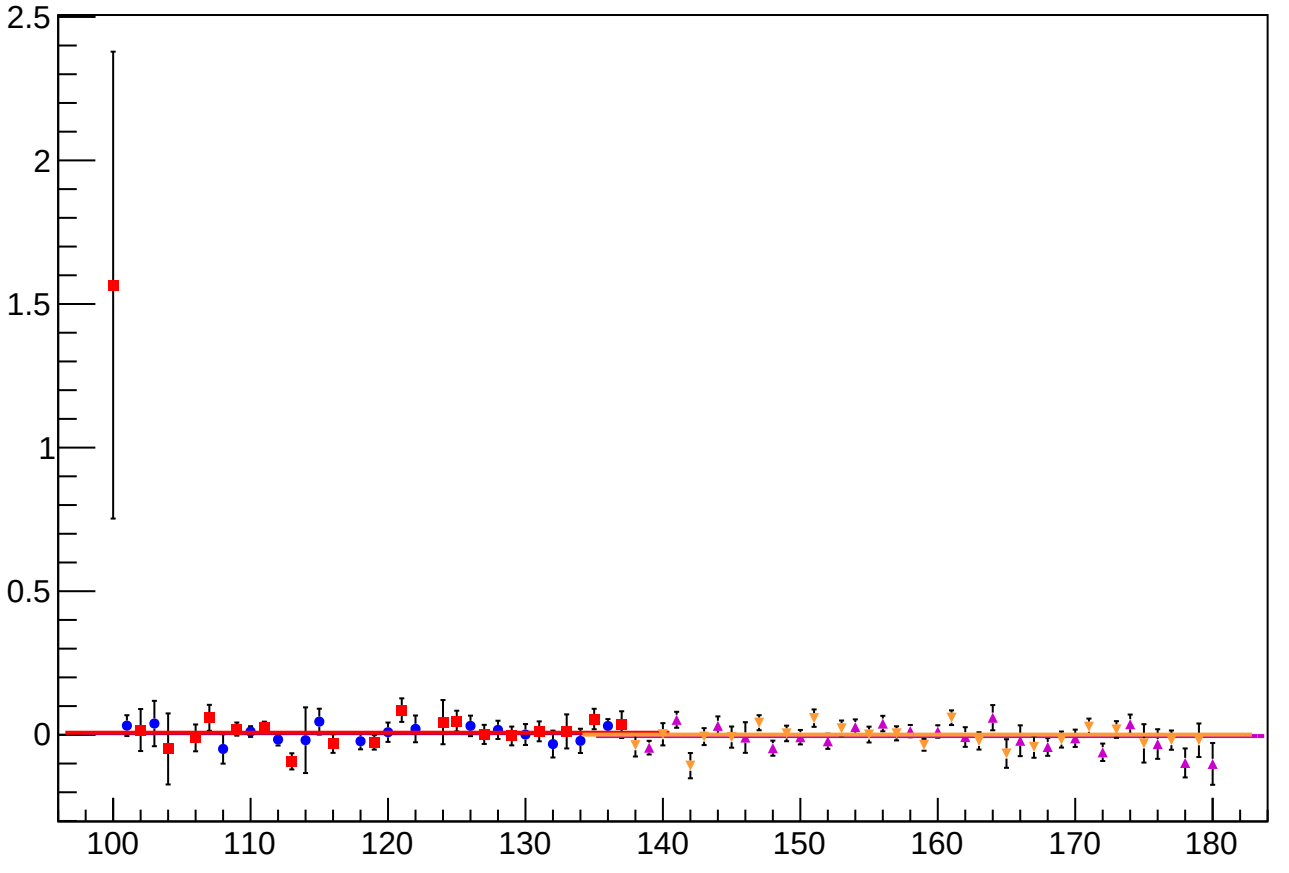
+ sign -0.000+/-0.000 χ^2/NDF: 67.0/37

All: -0.000+/-0.000 χ^2/NDF: 92.9/77

- 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:544750.3/21
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: 18249088.1/37
All: 0.001+/-0.000 χ²/NDF: 41565941.3/77
- 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:28.0/21

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

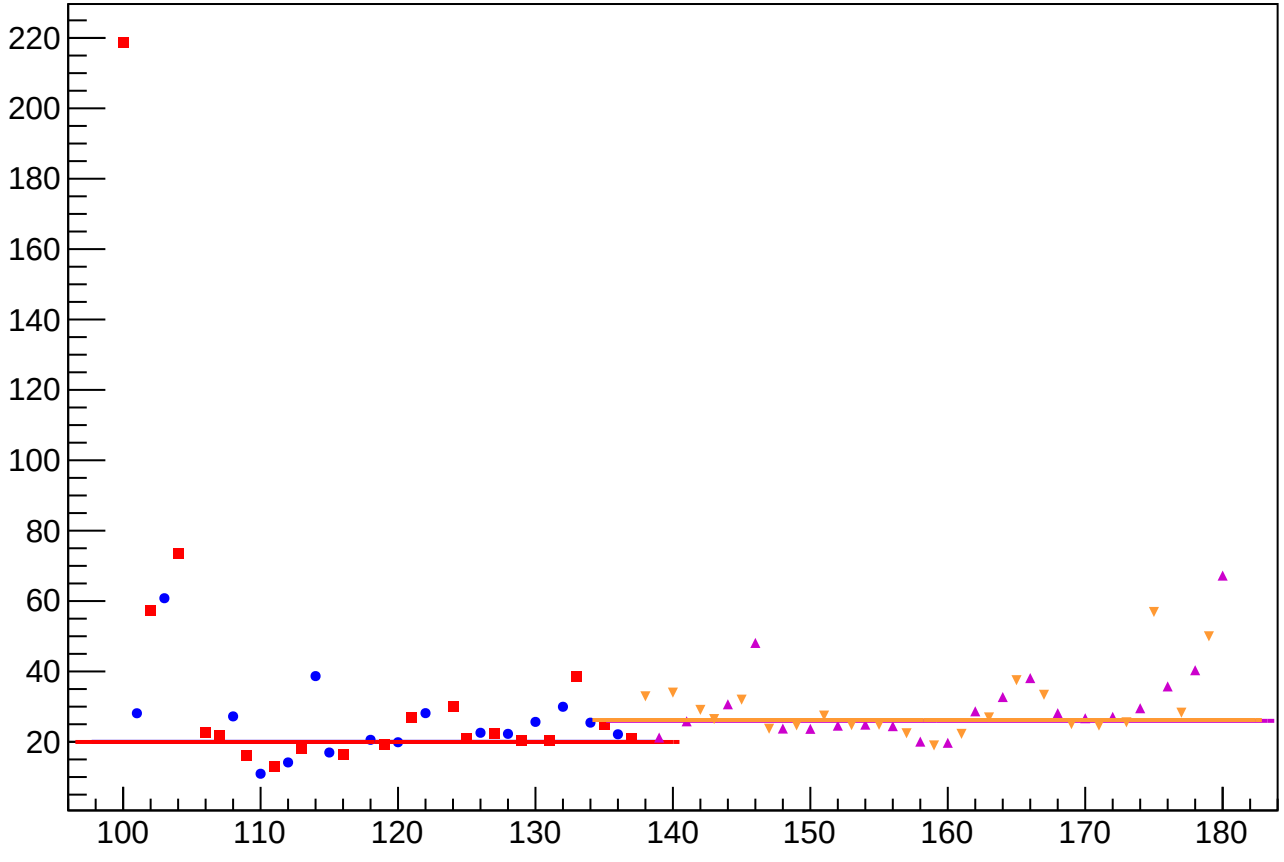
Left In: -0.004+/-0.007 χ^2/NDF:30.7/20

+ sign 0.003+/-0.005 χ^2/NDF: 36.1/37

All: 0.002+/-0.004 χ^2/NDF: 97.9/77

- 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: 26.199+/-0.005 χ^2/NDF:1523294.3/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

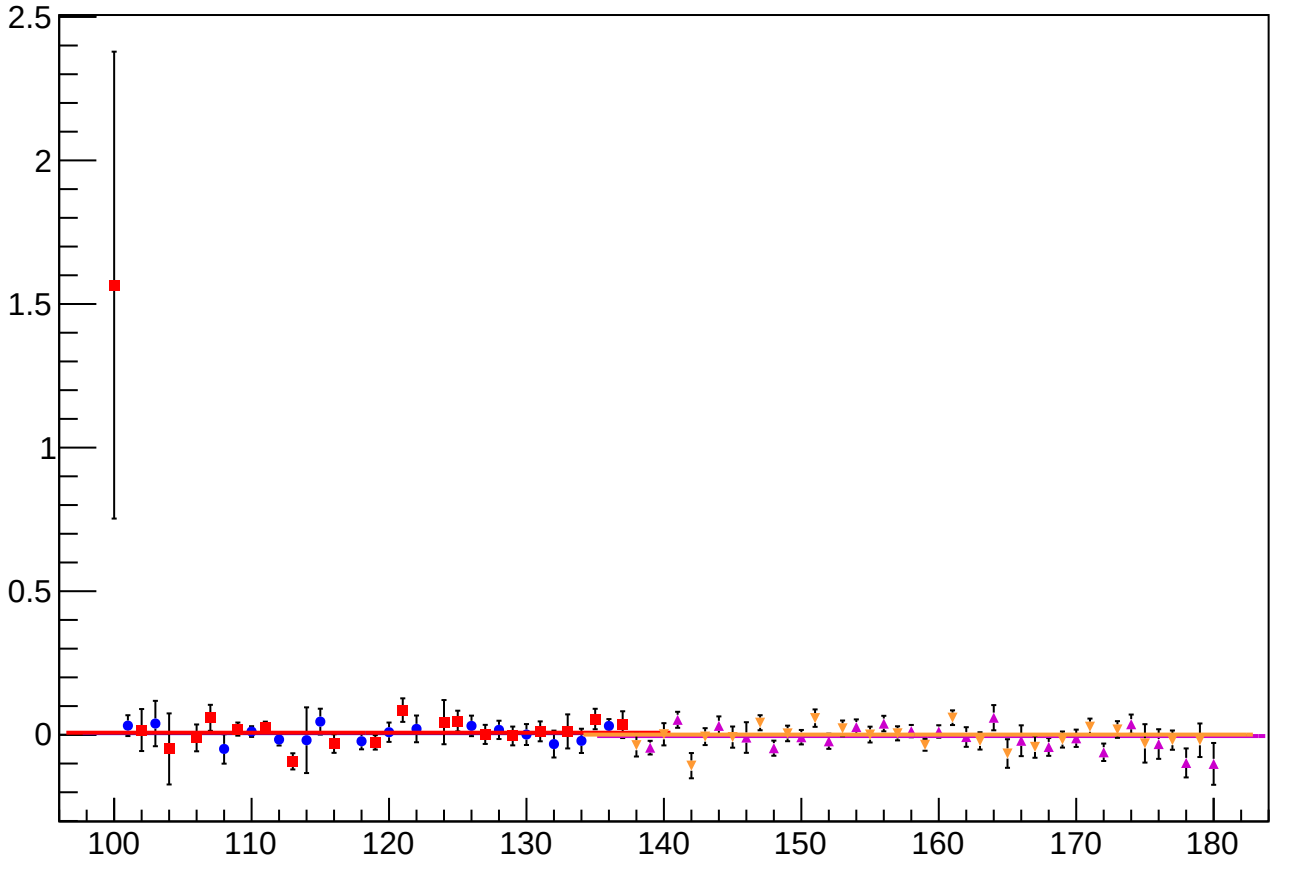
Left In: 25.966+/-0.005 χ^2/NDF:1902791.6/20

+ sign 23.763+/-0.004 χ^2/NDF: 3863546.5/37

All: 23.657+/-0.003 χ^2/NDF: 8142143.3/77

- 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:28.0/21

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

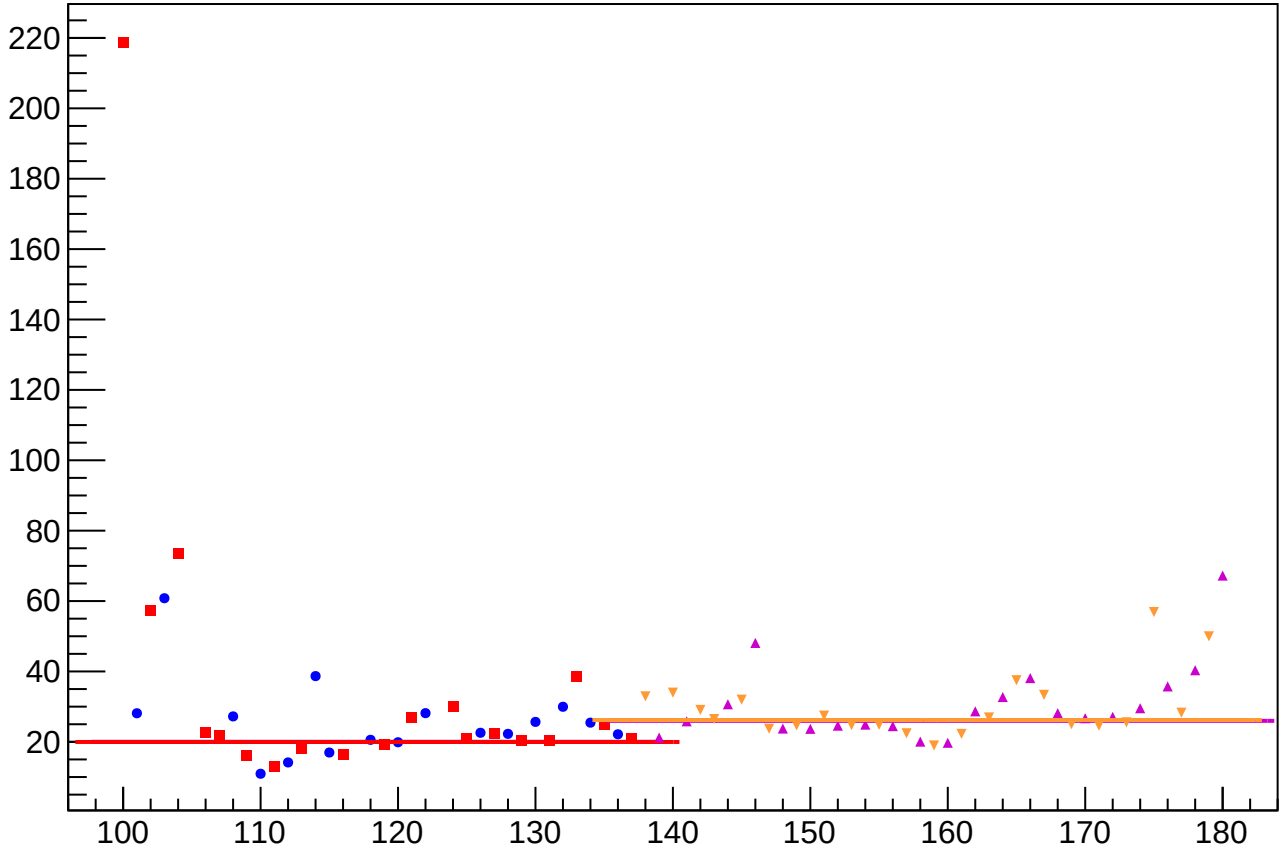
Left In: -0.004+/-0.007 χ^2/NDF:30.7/20

+ sign 0.003+/-0.005 χ^2/NDF: 36.1/37

All: 0.002+/-0.004 χ^2/NDF: 97.9/77

- sign 0.000+/-0.005 χ^2/NDF: 61.7/39

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523294.3/21

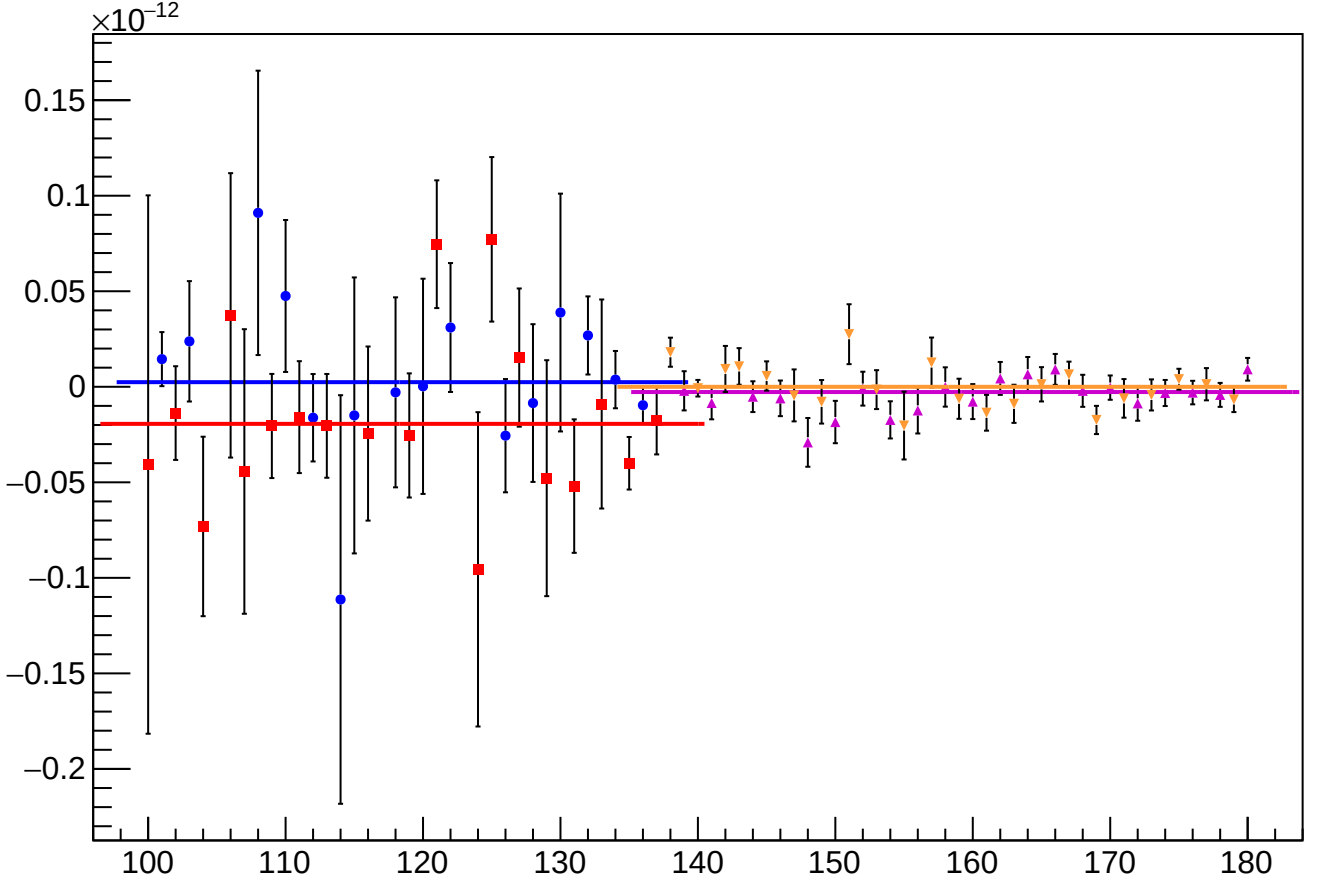
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.966+/-0.005 χ^2/NDF:1902791.6/20

+ sign 23.763+/-0.004 χ^2/NDF: 3863546.5/37

All: 23.657+/-0.003 χ^2/NDF: 8142143.3/77

- 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:26.0/21

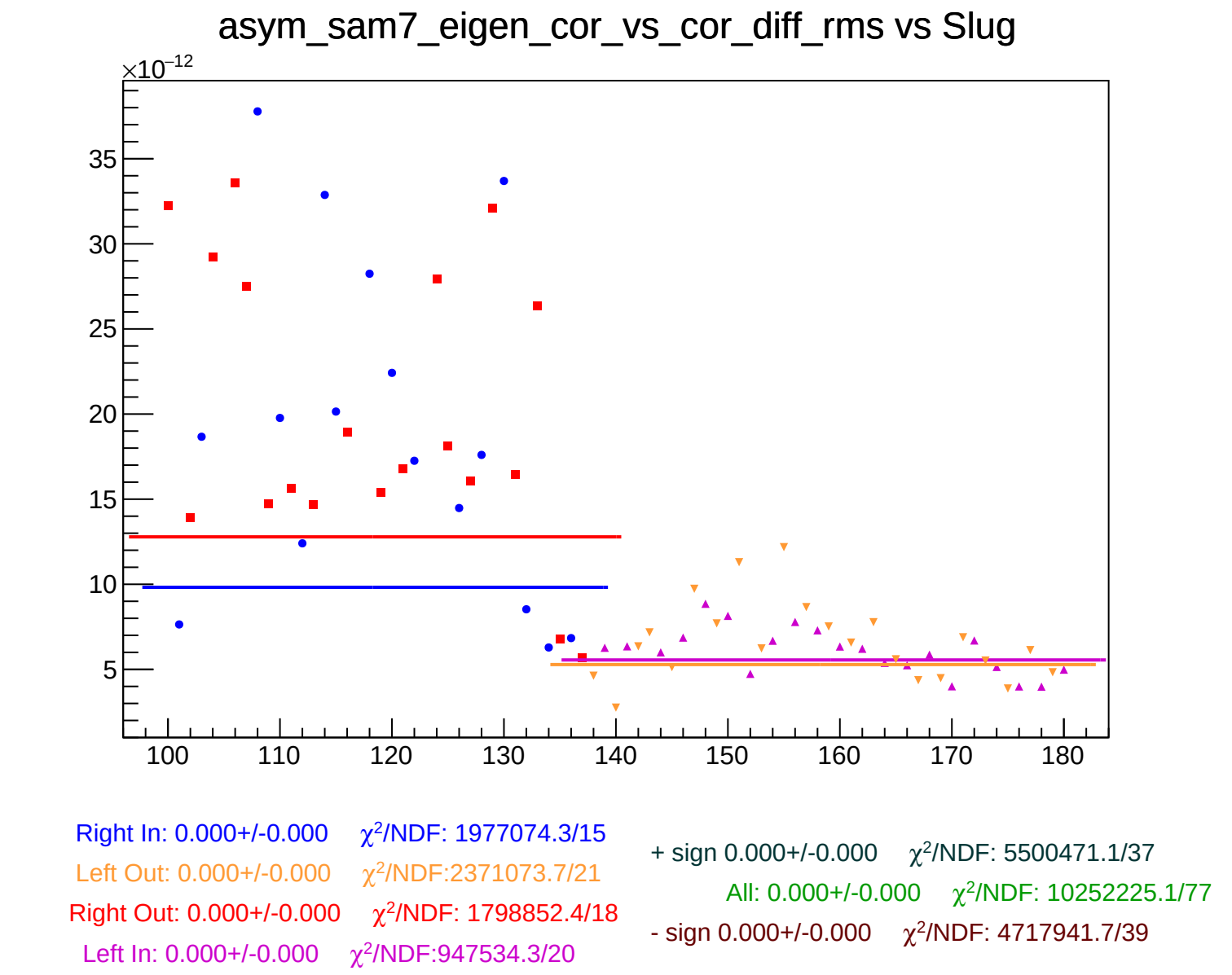
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/20

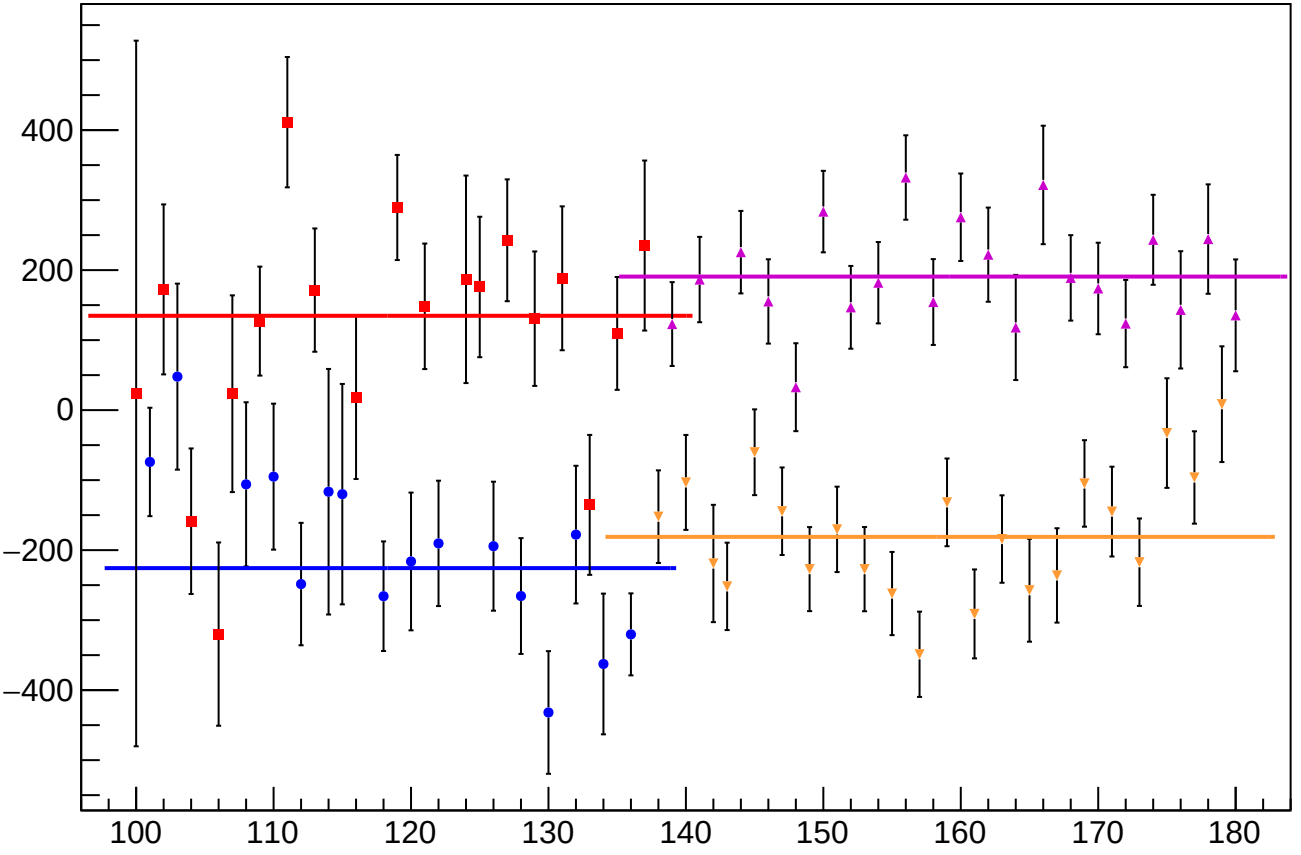
+ sign 0.000+/-0.000 χ^2/NDF: 37.0/37

All: -0.000+/-0.000 χ^2/NDF: 83.9/77

- 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
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2371073.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:947534.3/20
+ sign 0.000+/-0.000 χ²/NDF: 5500471.1/37
All: 0.000+/-0.000 χ²/NDF: 10252225.1/77
- sign 0.000+/-0.000 χ²/NDF: 4717941.7/39

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.071+/-13.858 χ^2/NDF:35.9/21

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

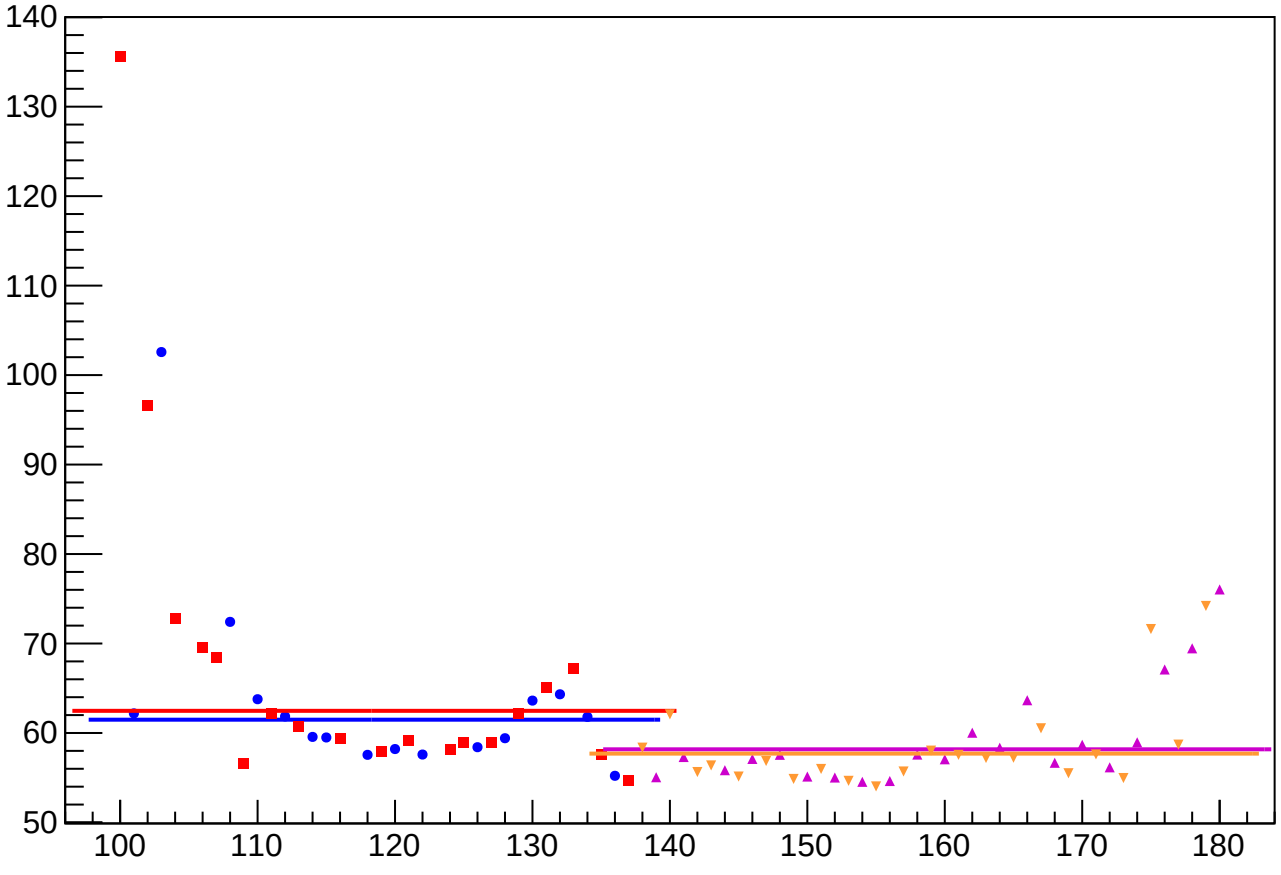
Left In: 190.765+/-14.083 χ^2/NDF:25.9/20

+ sign -192.866+/-11.886 χ^2/NDF: 61.3/37

All: -10.925+/-8.458 χ^2/NDF: 611.3/77

- 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: 57.694+/-0.010 χ^2/NDF:189042.0/21

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

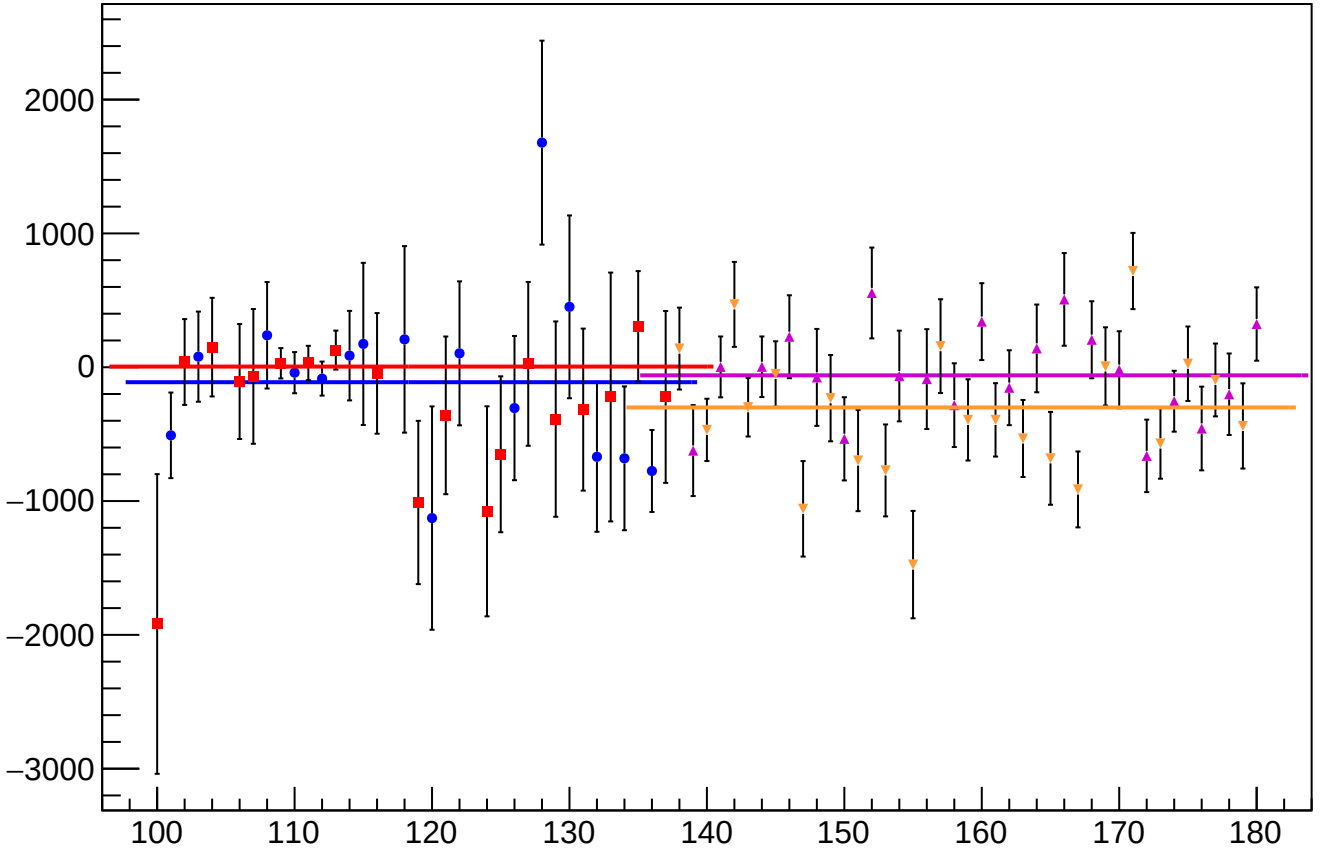
Left In: 58.175+/-0.010 χ^2/NDF:214595.3/20

+ sign 58.697+/-0.008 χ^2/NDF: 479286.6/37

All: 59.011+/-0.006 χ^2/NDF: 1028112.3/77

- 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: -300.686+/-62.545 χ^2/NDF:51.1/21

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

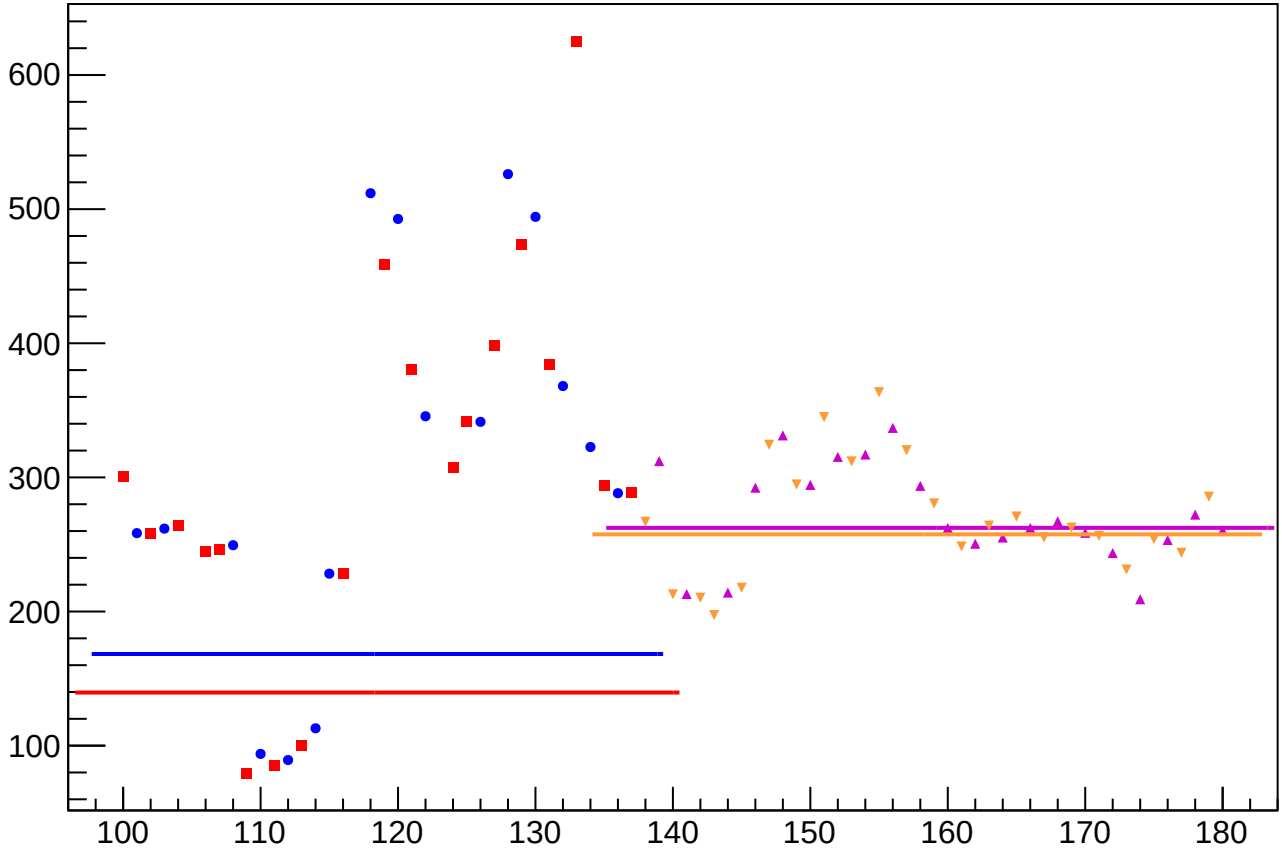
Left In: -60.595+/-63.936 χ^2/NDF:25.3/20

+ sign -224.703+/-48.348 χ^2/NDF: 73.3/37

All: -119.677+/-33.021 χ^2/NDF: 119.6/77

- 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: 257.548+/-0.044 χ^2/NDF:840755.5/21

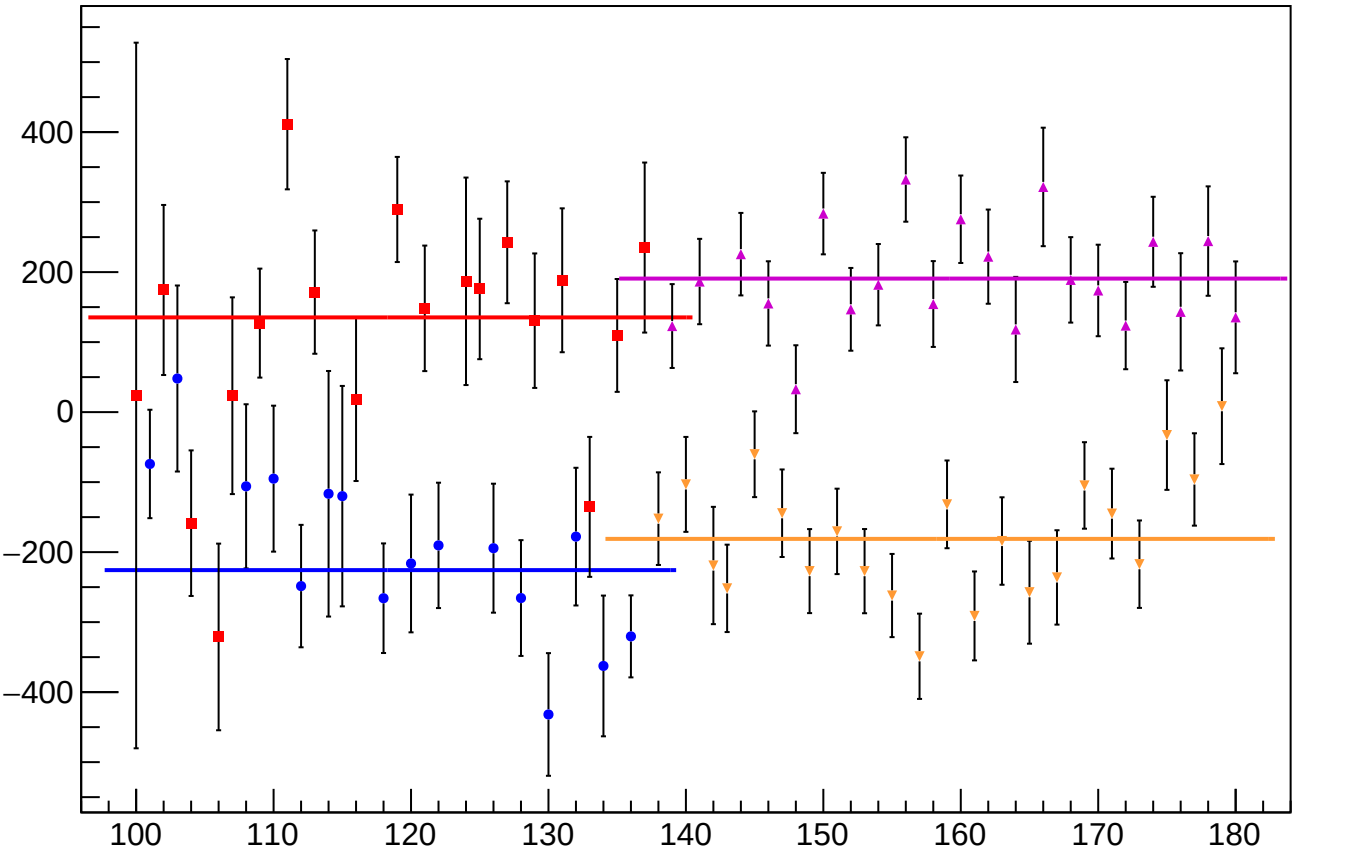
Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 262.386+/-0.045 χ^2/NDF:669226.8/20

+ sign 221.642+/-0.034 χ^2/NDF: 7022620.1/37

All: 210.622+/-0.023 χ^2/NDF: 16729452.4/77

- sign 200.986+/-0.032 χ^2/NDF: 9512059.5/39



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.068+/-13.858 χ^2/NDF:35.9/21

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

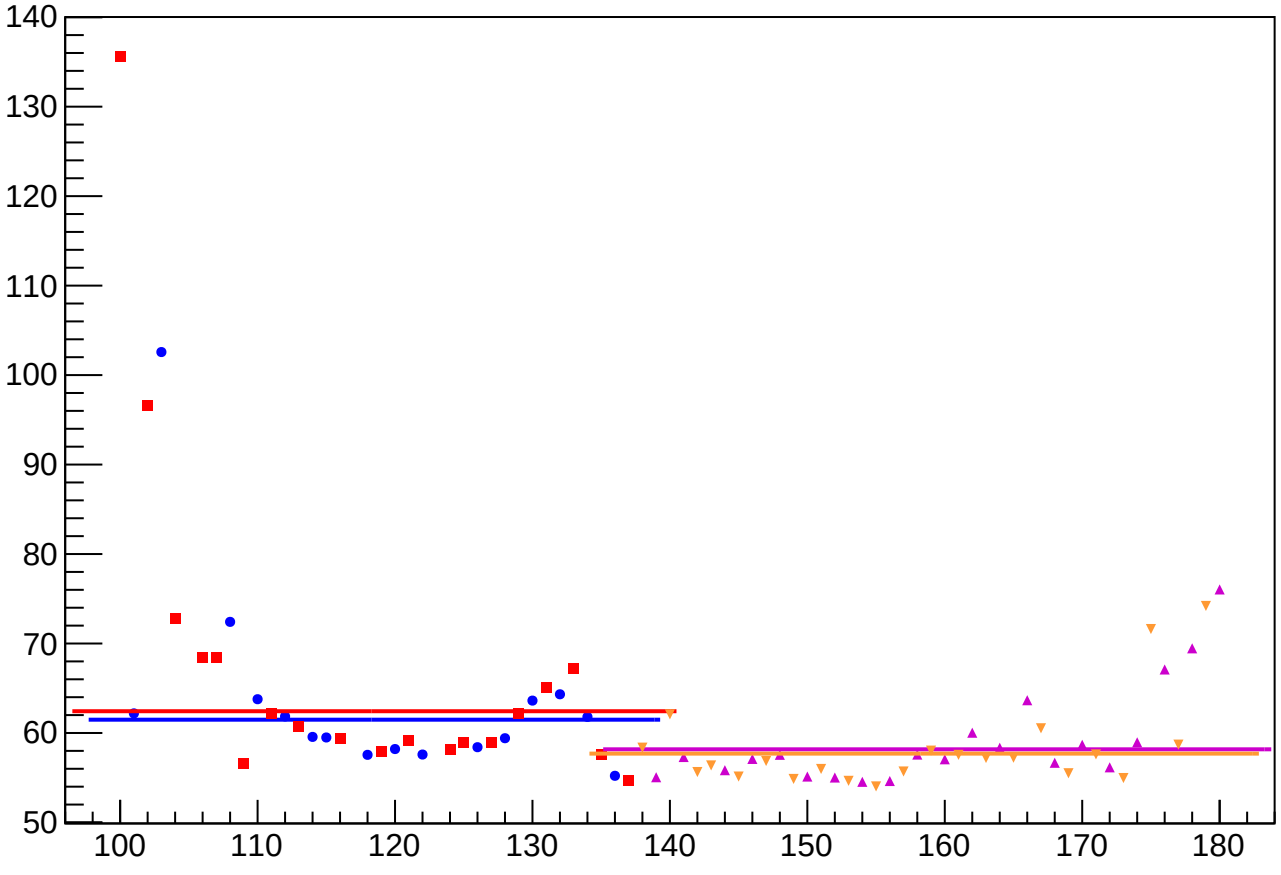
Left In: 190.766+/-14.083 χ^2/NDF:25.9/20

+ sign -192.864+/-11.886 χ^2/NDF: 61.3/37

All: -10.873+/-8.458 χ^2/NDF: 611.2/77

- 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: 57.694+/-0.010 χ^2/NDF:189042.0/21

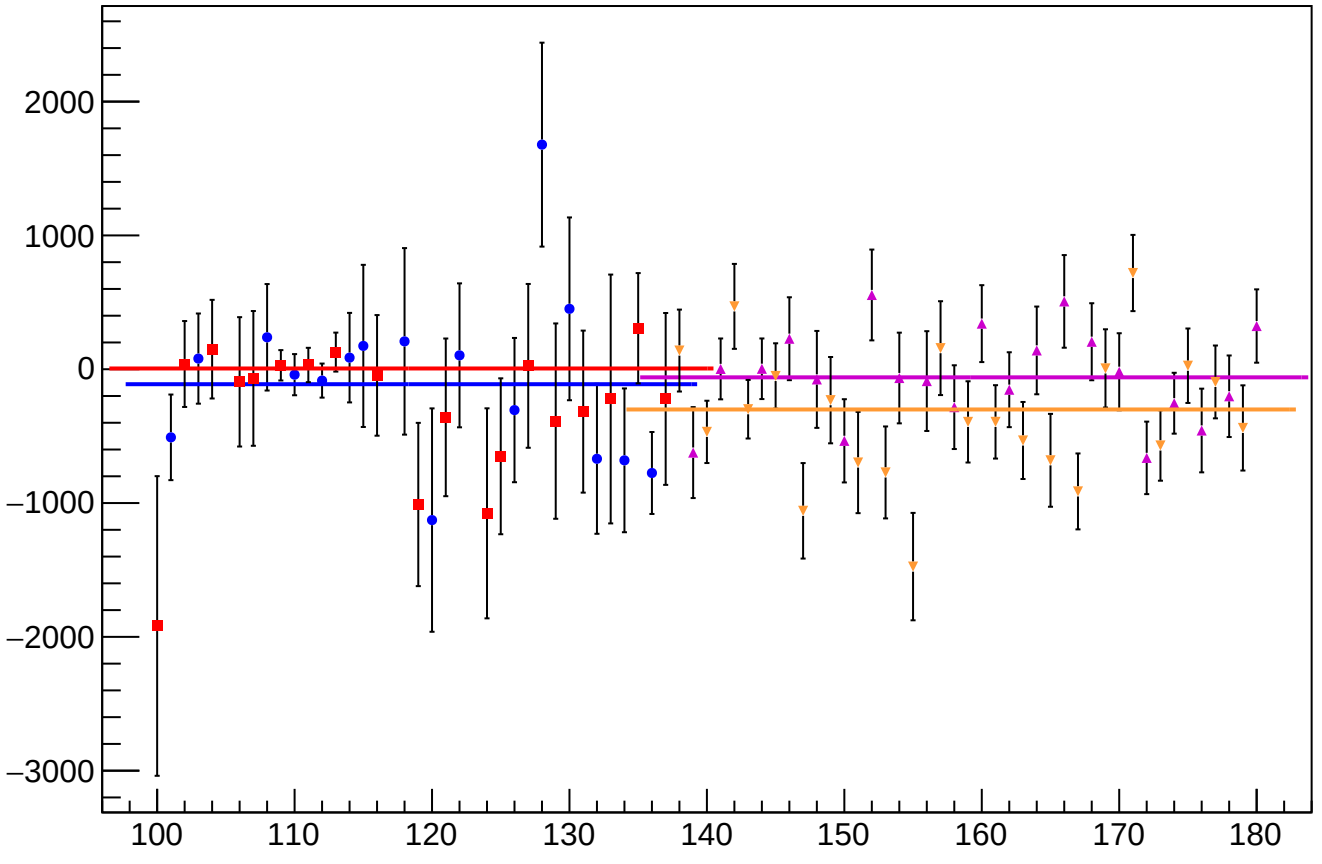
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 58.175+/-0.010 χ^2/NDF:214595.3/20

+ sign 58.697+/-0.008 χ^2/NDF: 479289.2/37

All: 59.005+/-0.006 χ^2/NDF: 1025220.9/77

- sign 59.321+/-0.009 χ^2/NDF: 543205.4/39



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -300.684+/-62.545 χ^2/NDF:51.1/21

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

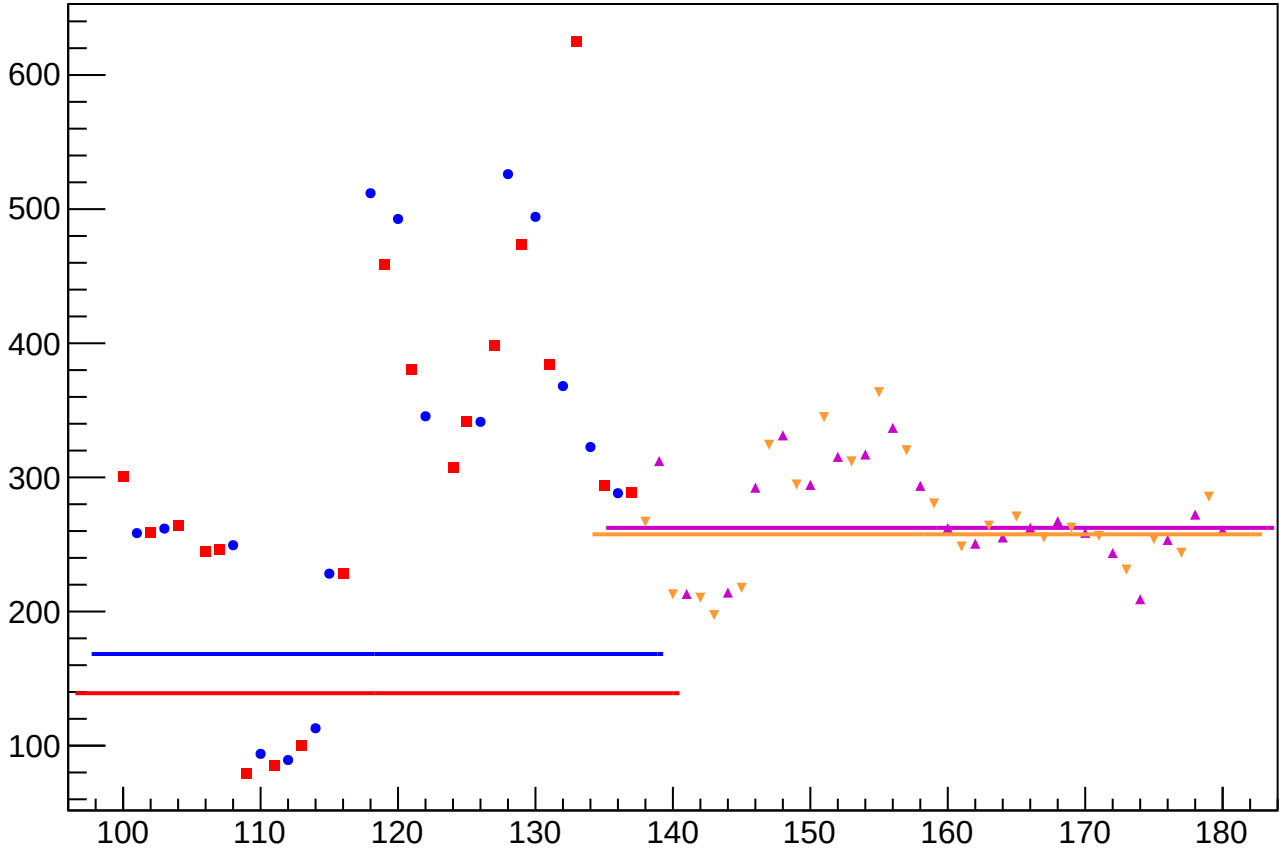
Left In: -60.592+/-63.936 χ^2/NDF:25.3/20

+ sign -224.695+/-48.348 χ^2/NDF: 73.3/37

All: -119.638+/-33.042 χ^2/NDF: 119.6/77

- 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: 257.548+/-0.044 χ^2/NDF:840757.1/21

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

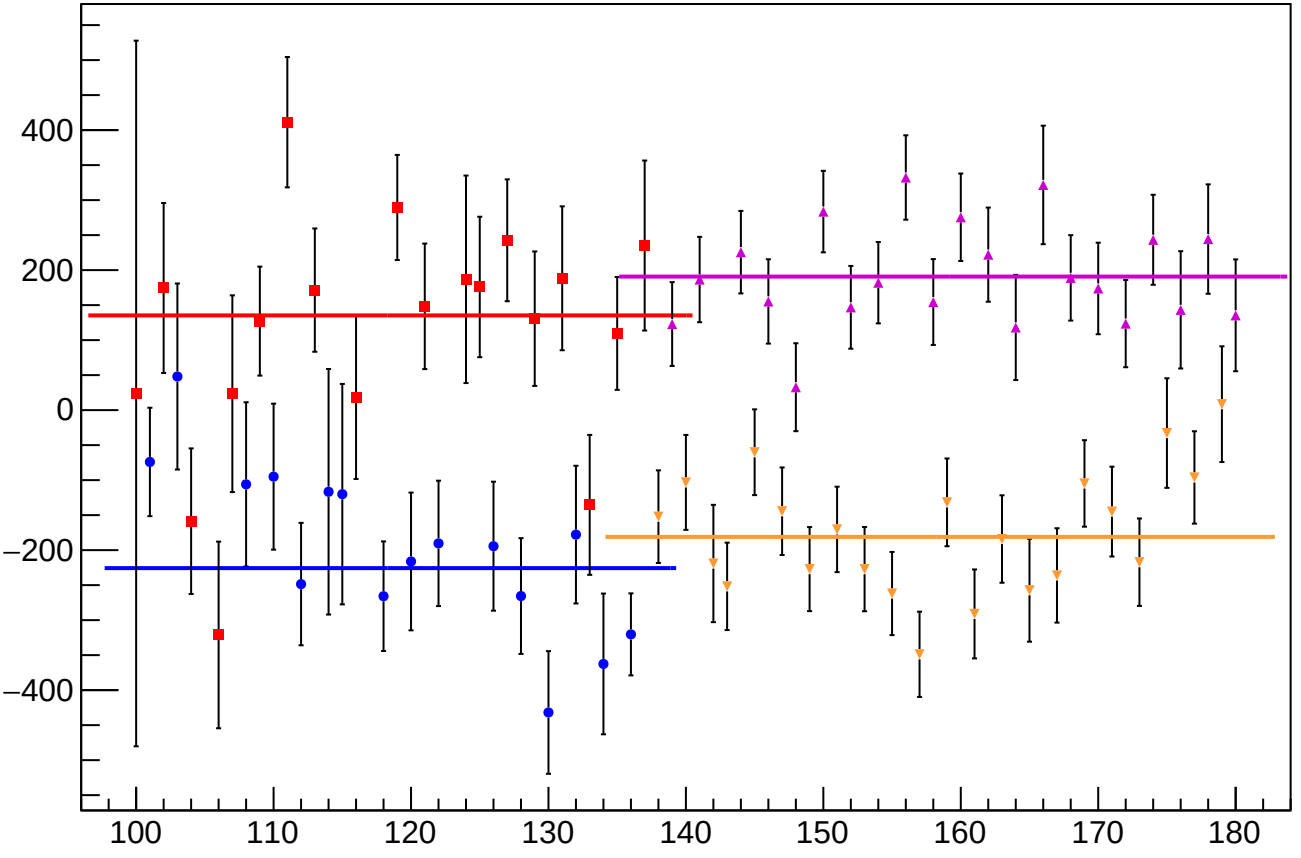
Left In: 262.386+/-0.045 χ^2/NDF:669225.2/20

+ sign 221.642+/-0.034 χ^2/NDF: 7022648.4/37

All: 210.582+/-0.023 χ^2/NDF: 16727563.5/77

- 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: -181.068+/-13.858 χ^2/NDF:35.9/21

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

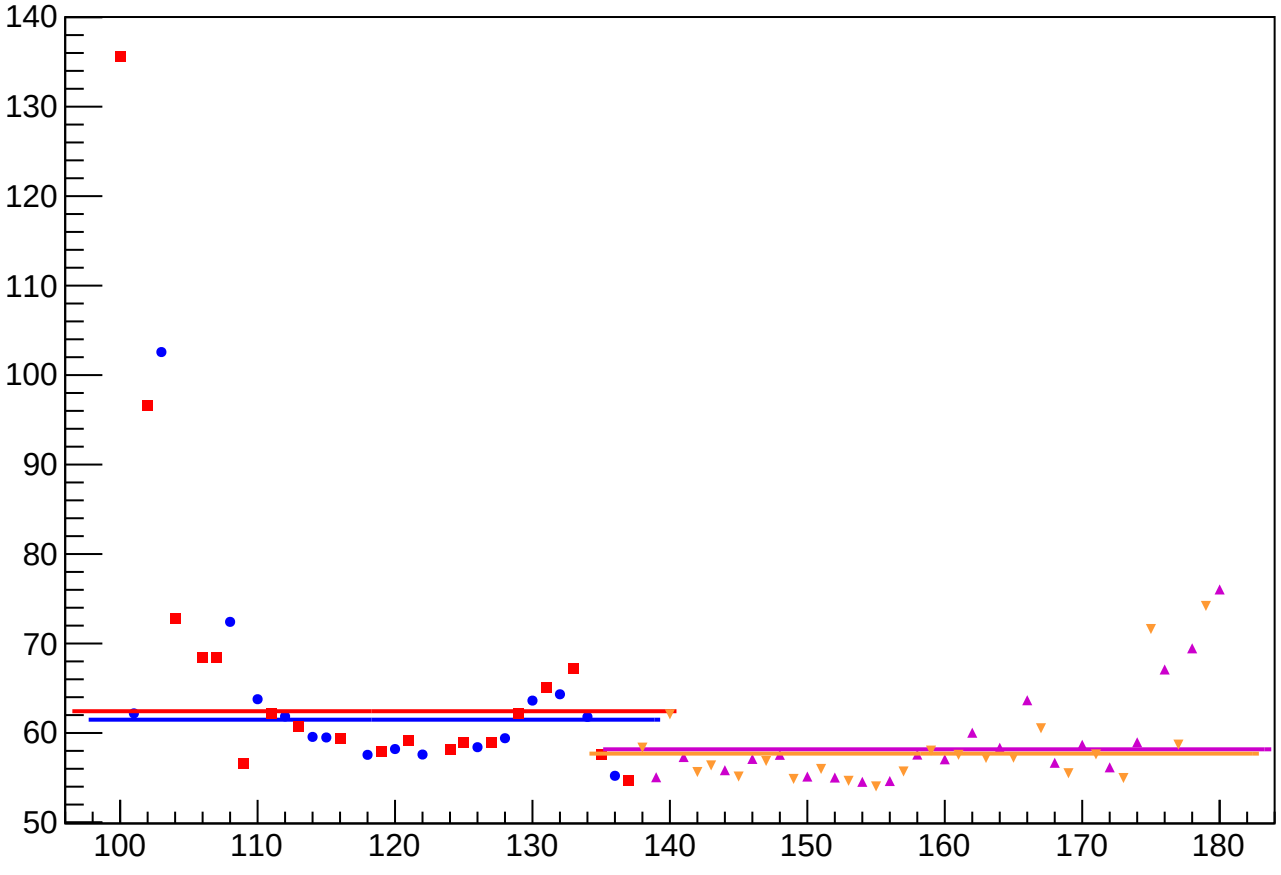
Left In: 190.766+/-14.083 χ^2/NDF:25.9/20

+ sign -192.864+/-11.886 χ^2/NDF: 61.3/37

All: -10.873+/-8.458 χ^2/NDF: 611.2/77

- 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: 57.694+/-0.010 χ^2/NDF:189042.0/21

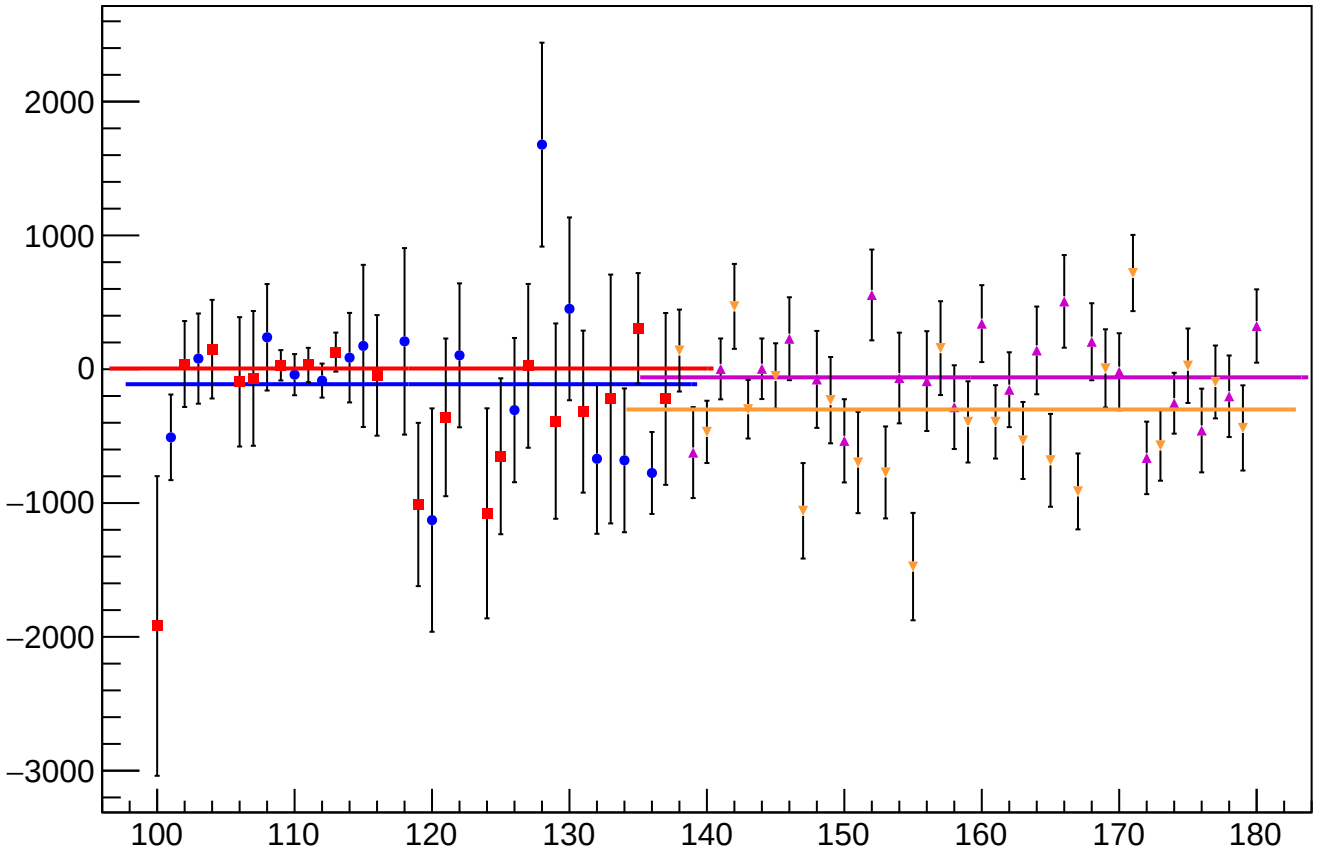
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 58.175+/-0.010 χ^2/NDF:214595.3/20

+ sign 58.697+/-0.008 χ^2/NDF: 479289.2/37

All: 59.005+/-0.006 χ^2/NDF: 1025220.9/77

- sign 59.321+/-0.009 χ^2/NDF: 543205.4/39



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -300.684+/-62.545 χ^2/NDF:51.1/21

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

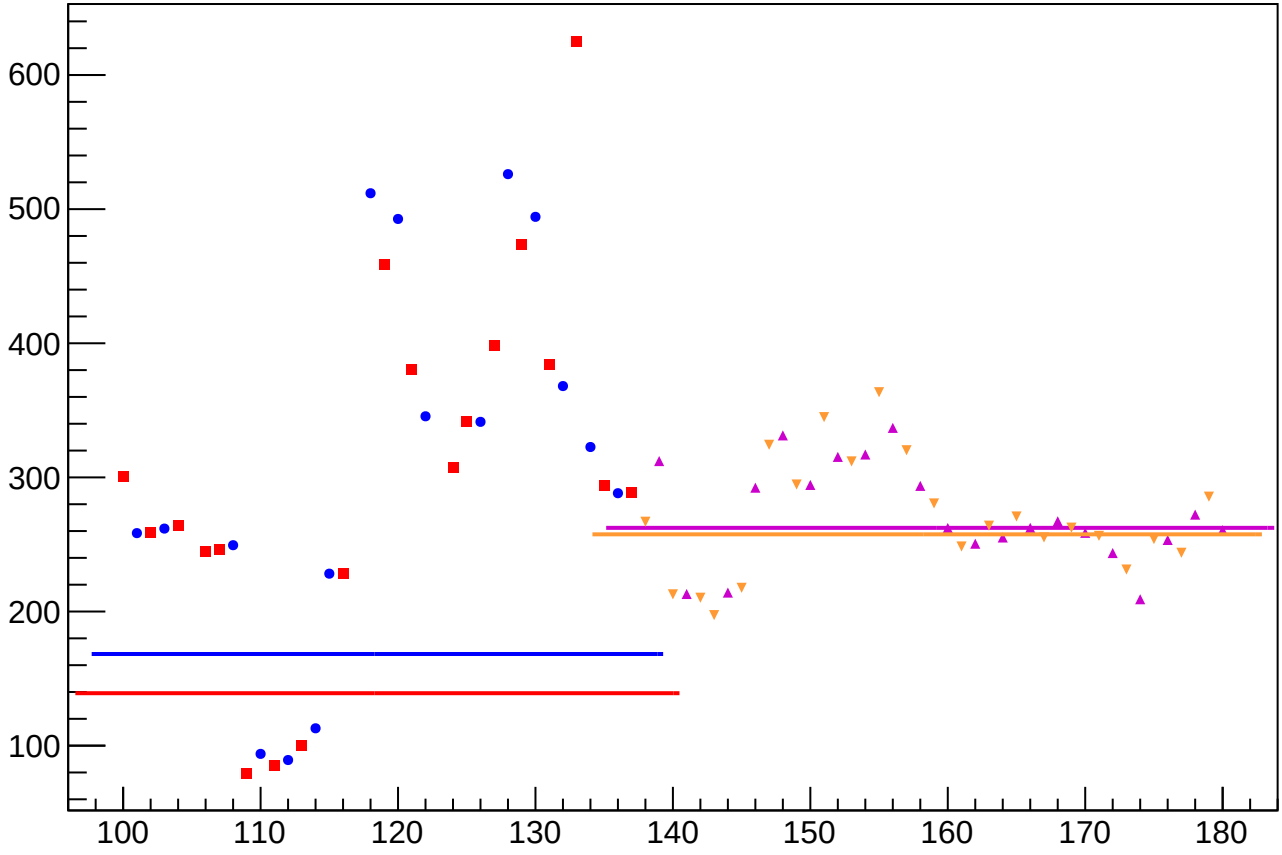
Left In: -60.592+/-63.936 χ^2/NDF:25.3/20

+ sign -224.695+/-48.348 χ^2/NDF: 73.3/37

All: -119.638+/-33.042 χ^2/NDF: 119.6/77

- 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: 257.548+/-0.044 χ^2/NDF:840757.1/21

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

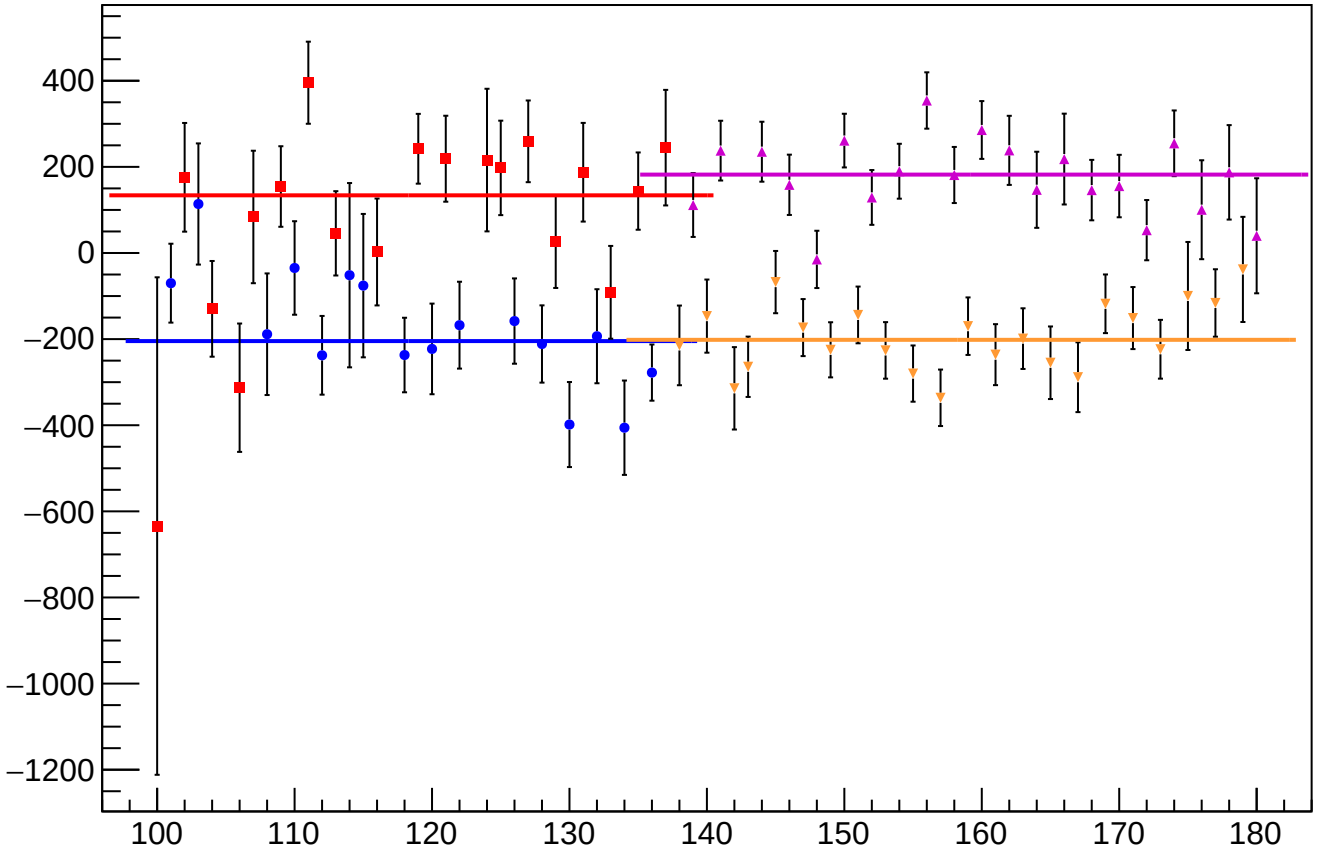
Left In: 262.386+/-0.045 χ^2/NDF:669225.2/20

+ sign 221.642+/-0.034 χ^2/NDF: 7022648.4/37

All: 210.582+/-0.023 χ^2/NDF: 16727563.5/77

- 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: -201.661+/-15.820 χ^2/NDF:20.7/21

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

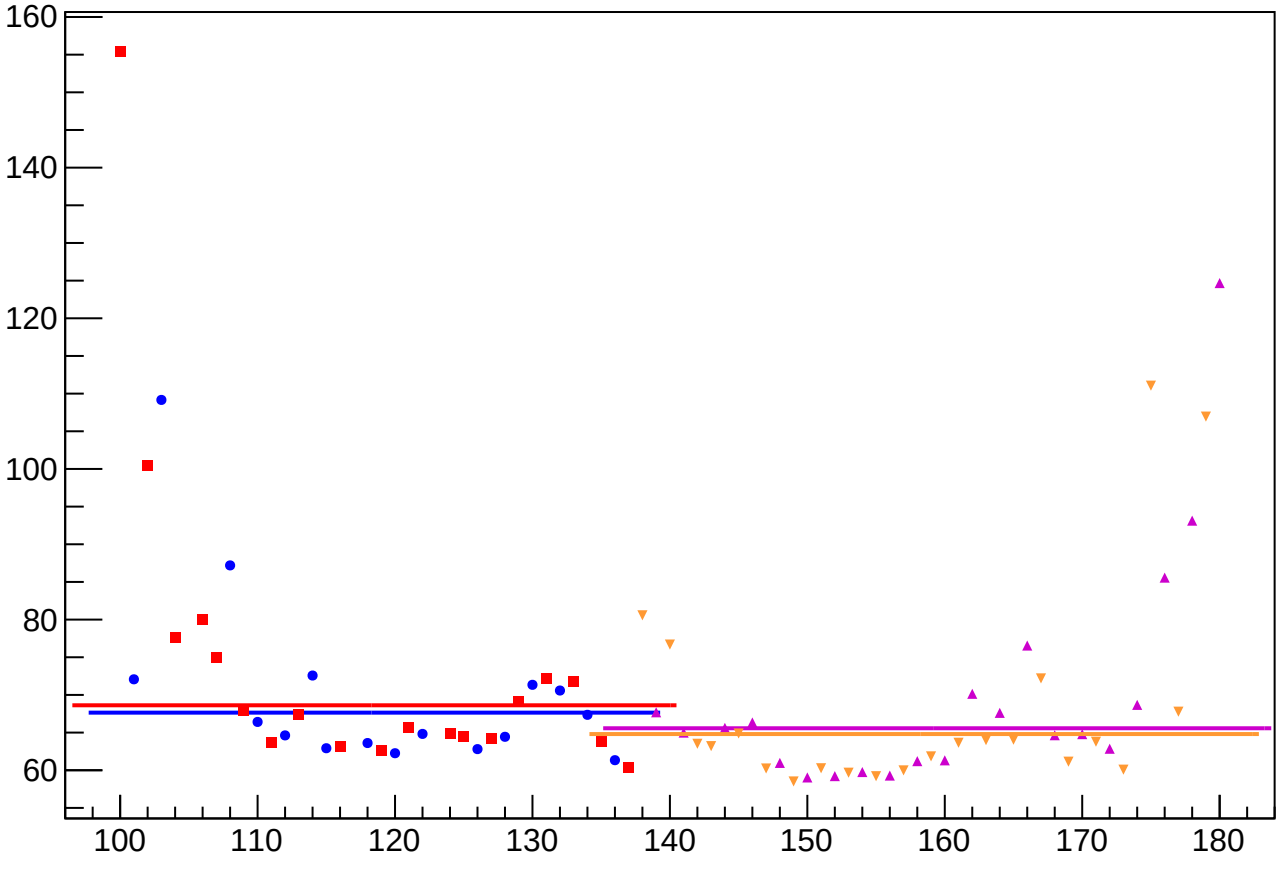
Left In: 182.051+/-16.169 χ^2/NDF:29.7/20

+ sign -202.470+/-13.447 χ^2/NDF: 40.7/37

All: -19.937+/-9.580 χ^2/NDF: 484.5/77

- 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: 64.804+/-0.011 χ^2/NDF:725003.1/21

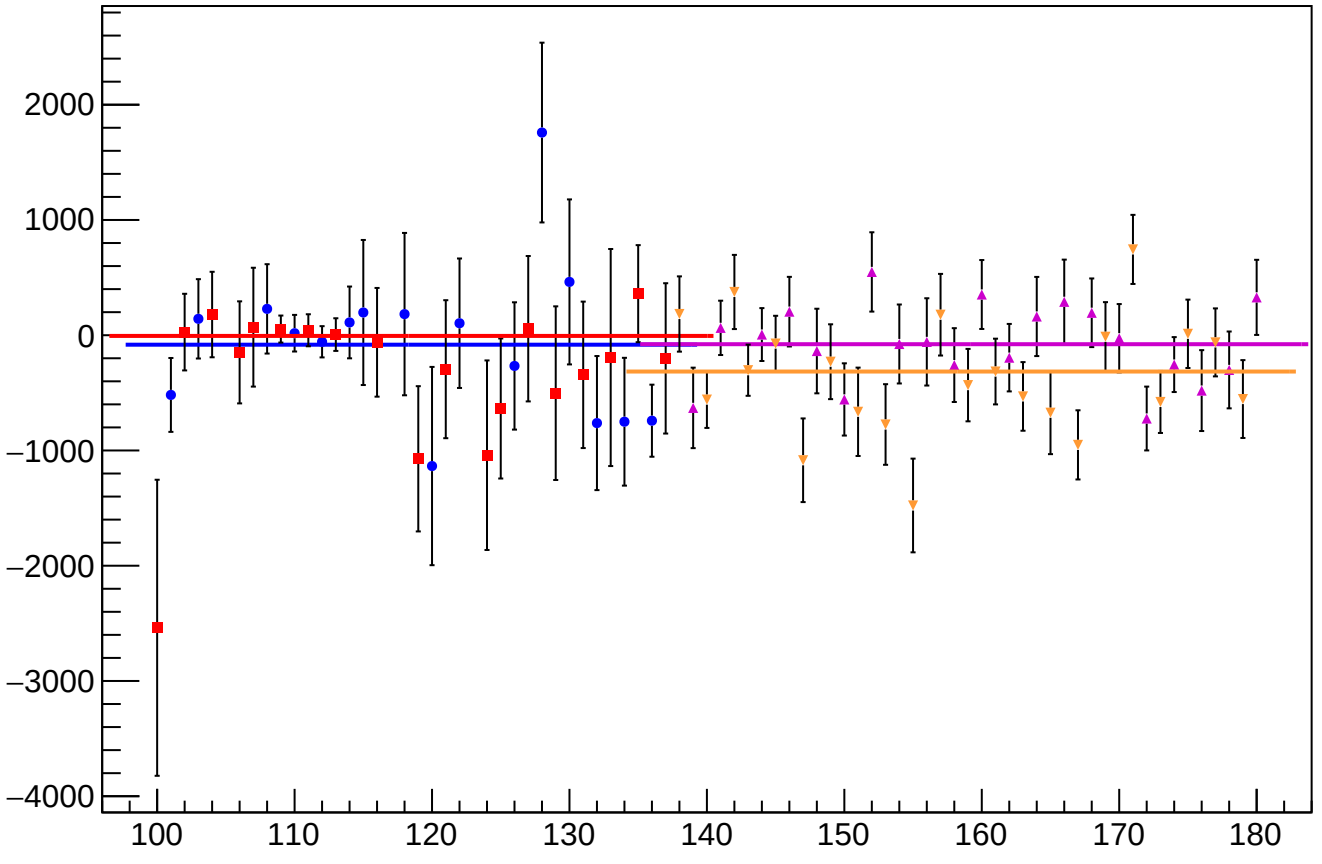
Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 65.574+/-0.011 χ^2/NDF:720172.6/20

+ sign 65.593+/-0.010 χ^2/NDF: 1006602.1/37

All: 66.015+/-0.007 χ^2/NDF: 1999356.2/77

- sign 66.449+/-0.010 χ^2/NDF: 988764.3/39



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -315.084+/-64.639 χ^2/NDF:49.2/21

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

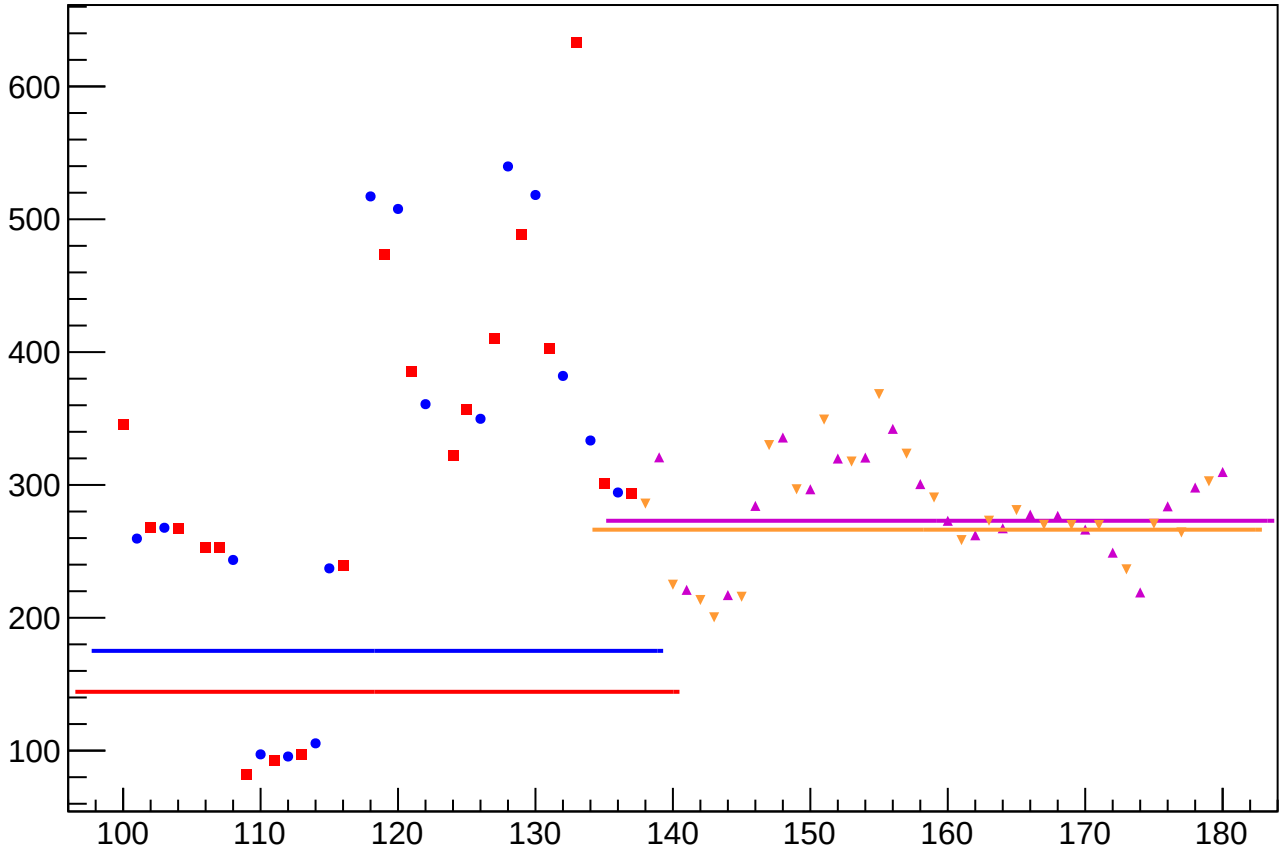
Left In: -77.910+/-66.505 χ^2/NDF:23.8/20

+ sign -221.246+/-49.944 χ^2/NDF: 73.7/37

All: -125.652+/-34.156 χ^2/NDF: 117.0/77

- 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: 266.324+/-0.046 χ^2/NDF:843243.0/21

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

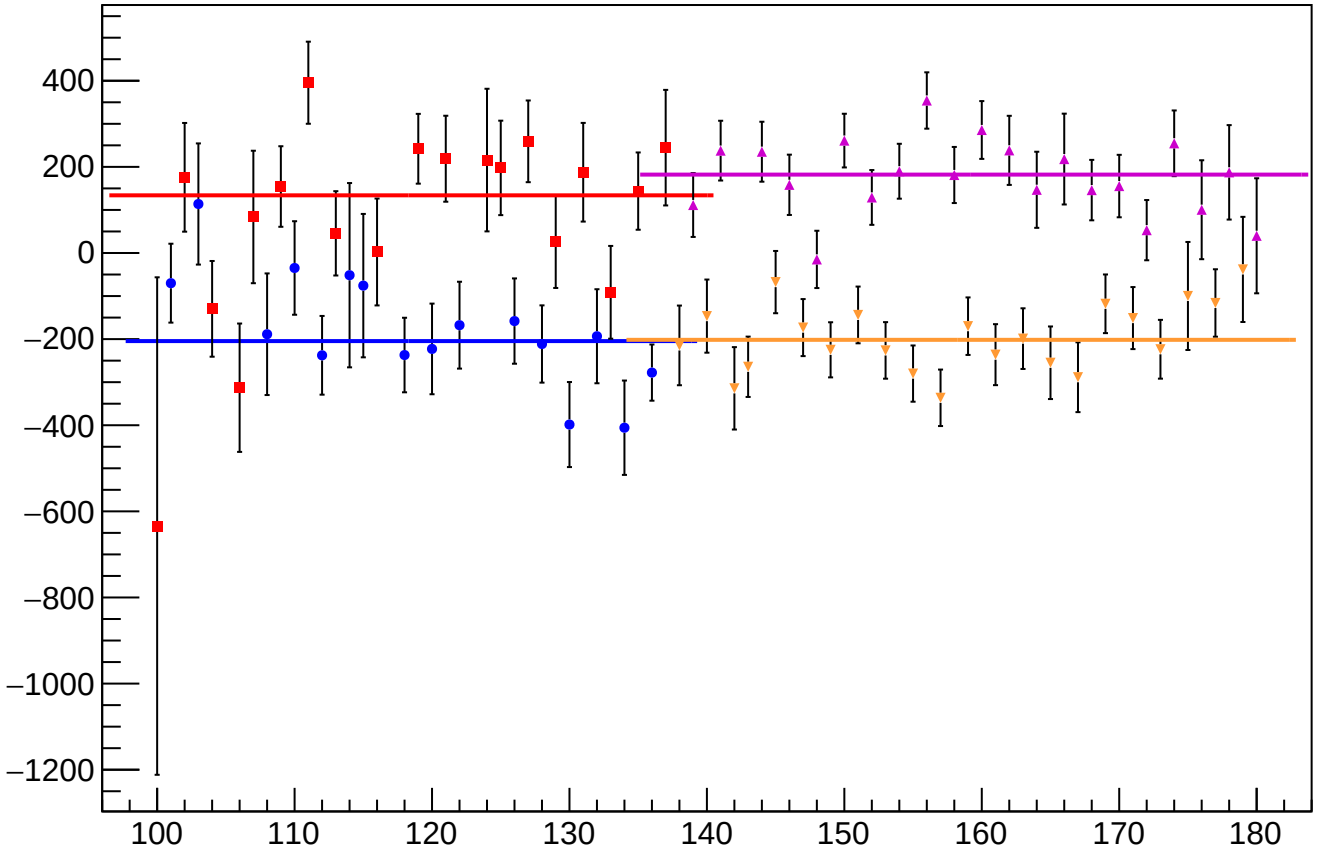
Left In: 273.034+/-0.047 χ^2/NDF:644591.2/20

+ sign 229.562+/-0.035 χ^2/NDF: 6877606.0/37

All: 218.125+/-0.024 χ^2/NDF: 16633641.0/77

- 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: -201.660+/-15.820 χ^2/NDF:20.7/21

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

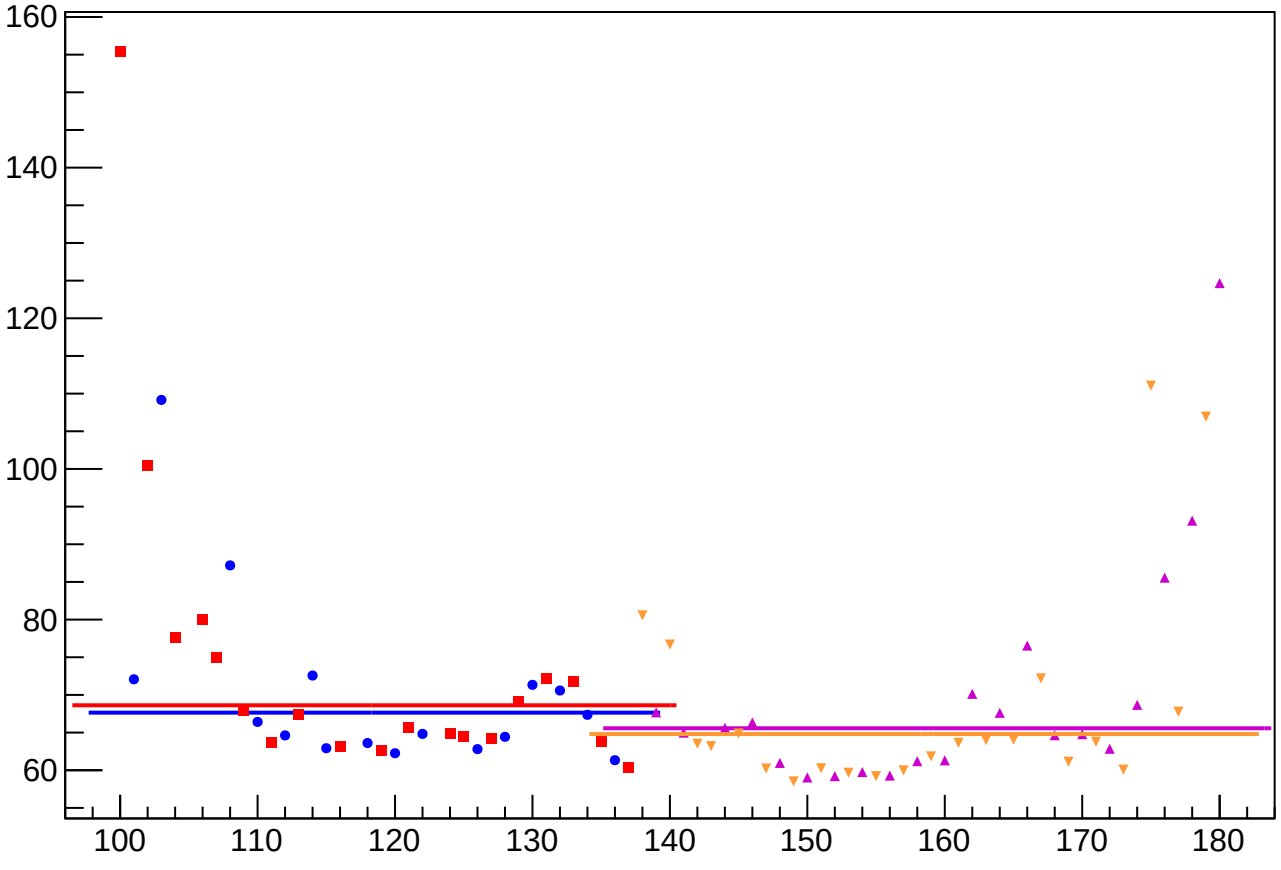
Left In: 182.052+/-16.169 χ^2/NDF:29.7/20

+ sign -202.470+/-13.447 χ^2/NDF: 40.7/37

All: -19.937+/-9.580 χ^2/NDF: 484.5/77

- 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: 64.804+/-0.011 χ^2/NDF:725005.1/21

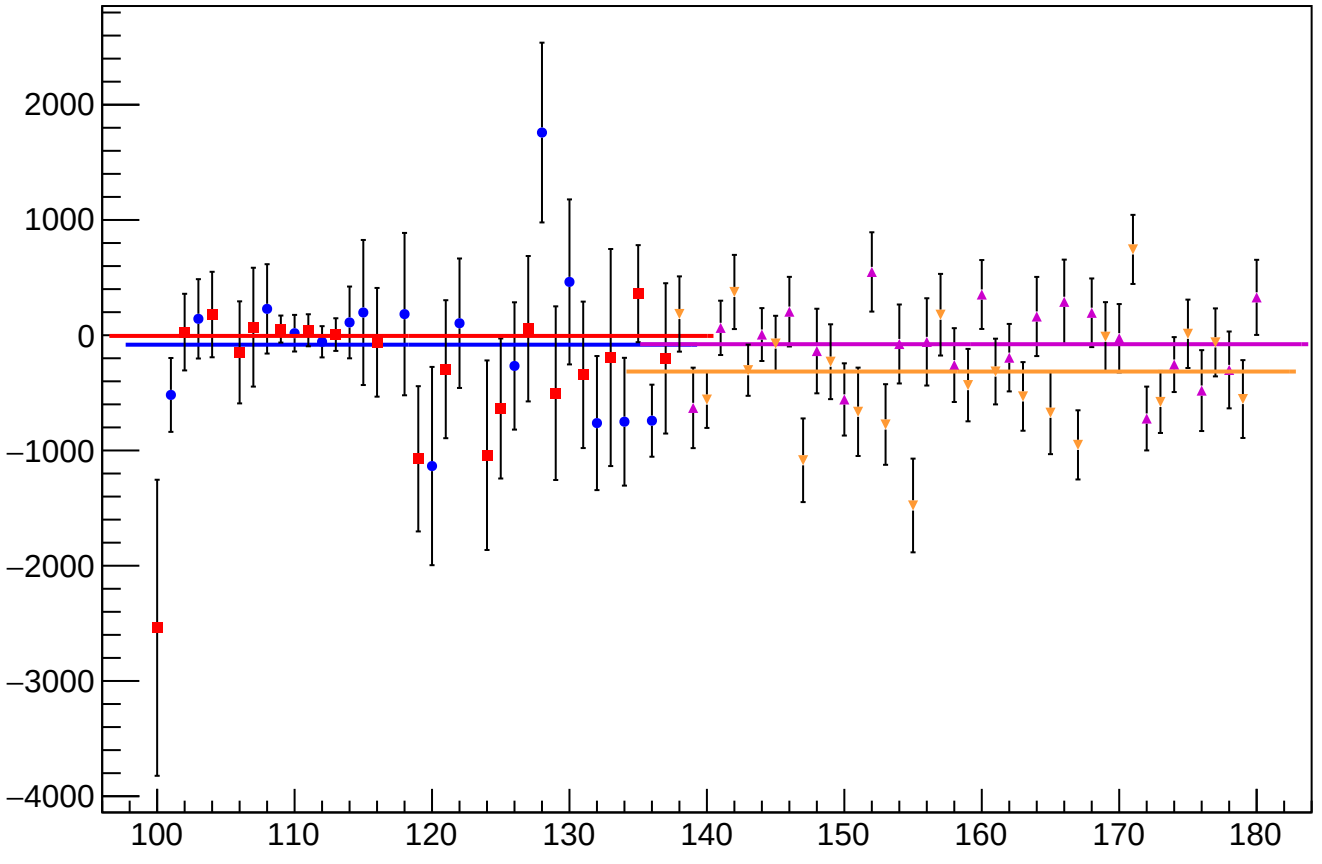
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 65.574+/-0.011 χ^2/NDF:720166.8/20

+ sign 65.593+/-0.010 χ^2/NDF: 1006600.6/37

All: 66.015+/-0.007 χ^2/NDF: 1999347.2/77

- 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: -315.083+/-64.638 χ^2/NDF:49.2/21

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

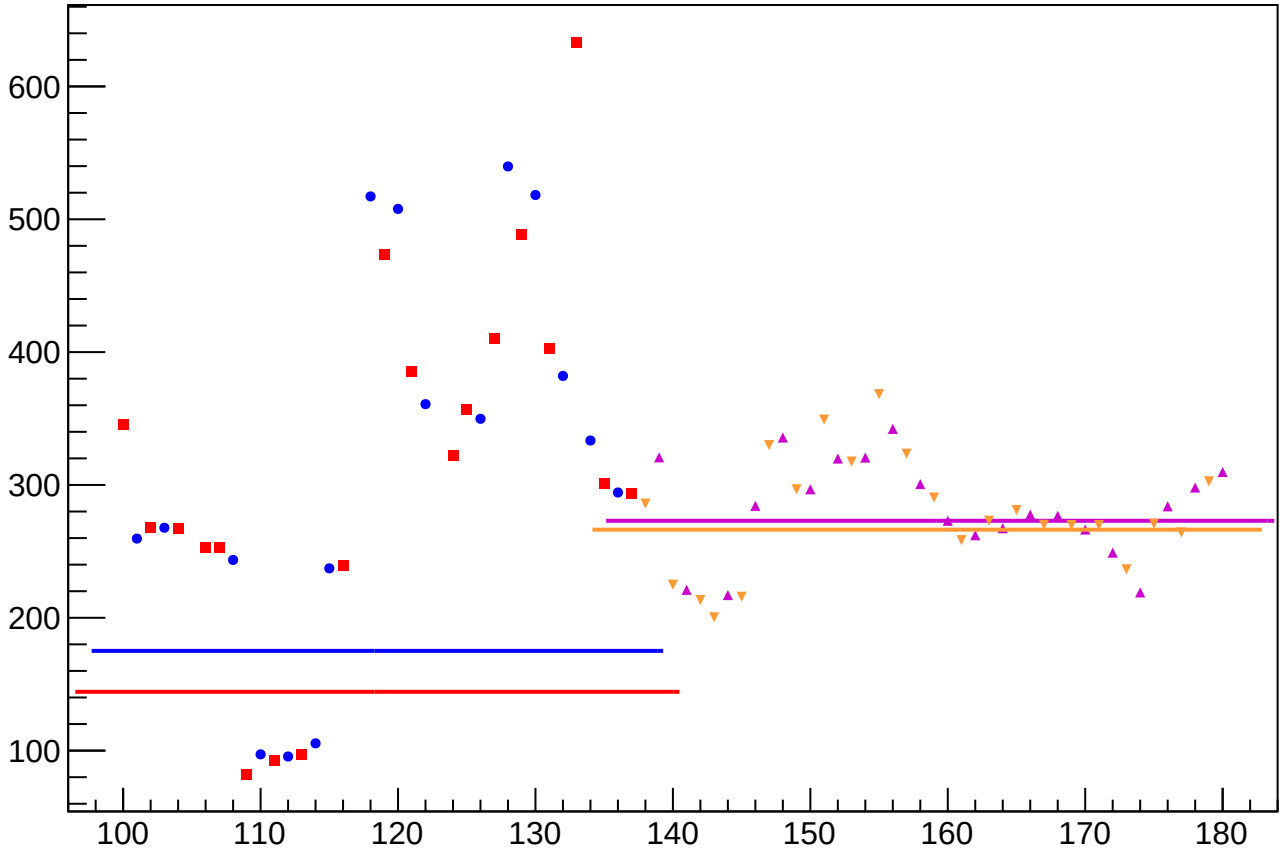
Left In: -77.910+/-66.505 χ^2/NDF:23.8/20

+ sign -221.245+/-49.944 χ^2/NDF: 73.7/37

All: -125.652+/-34.156 χ^2/NDF: 117.0/77

- 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: 266.323+/-0.046 χ^2/NDF:843252.2/21

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

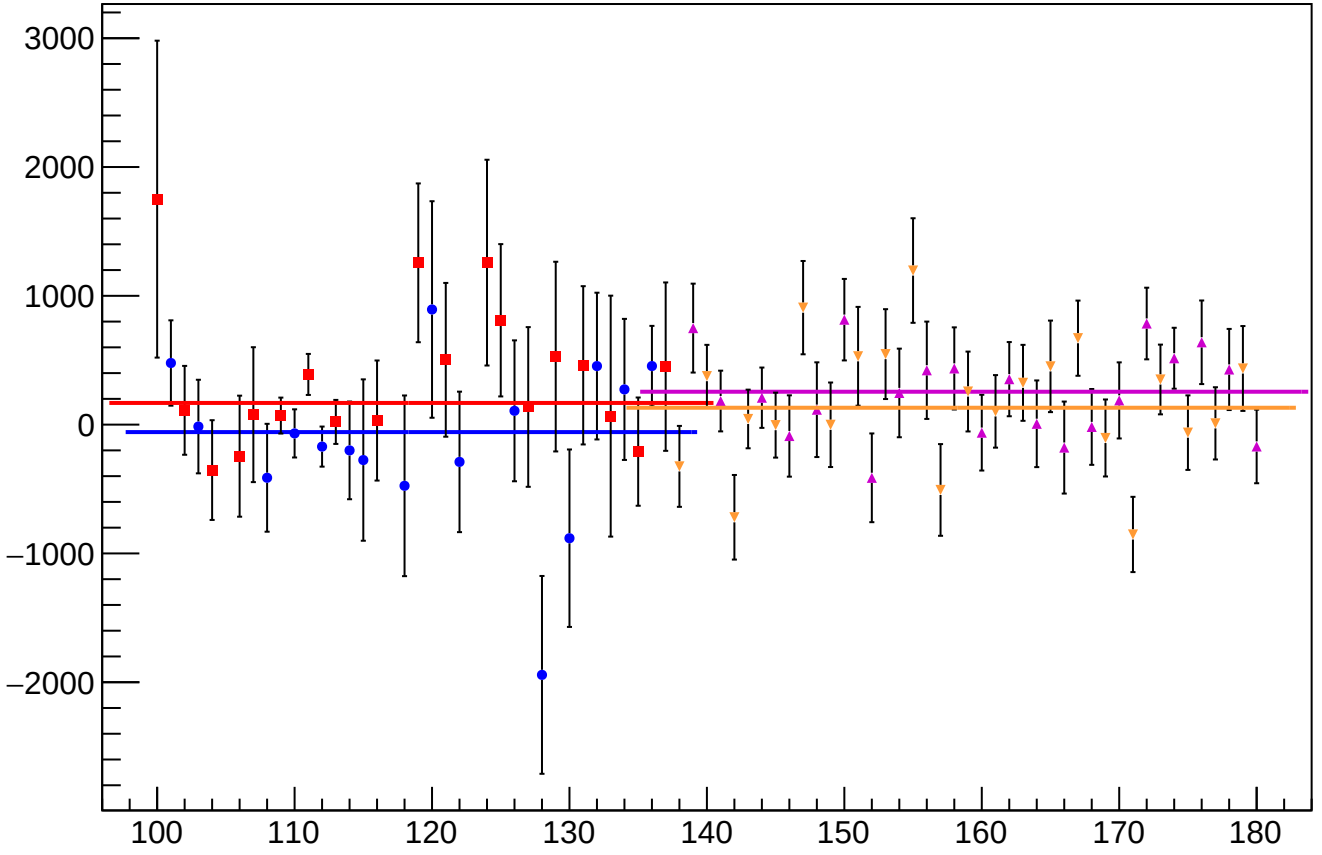
Left In: 273.033+/-0.047 χ^2/NDF:644596.3/20

+ sign 229.560+/-0.035 χ^2/NDF: 6877666.9/37

All: 218.124+/-0.024 χ^2/NDF: 16633659.6/77

- 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: 131.046+/-64.299 χ^2/NDF:46.6/21

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

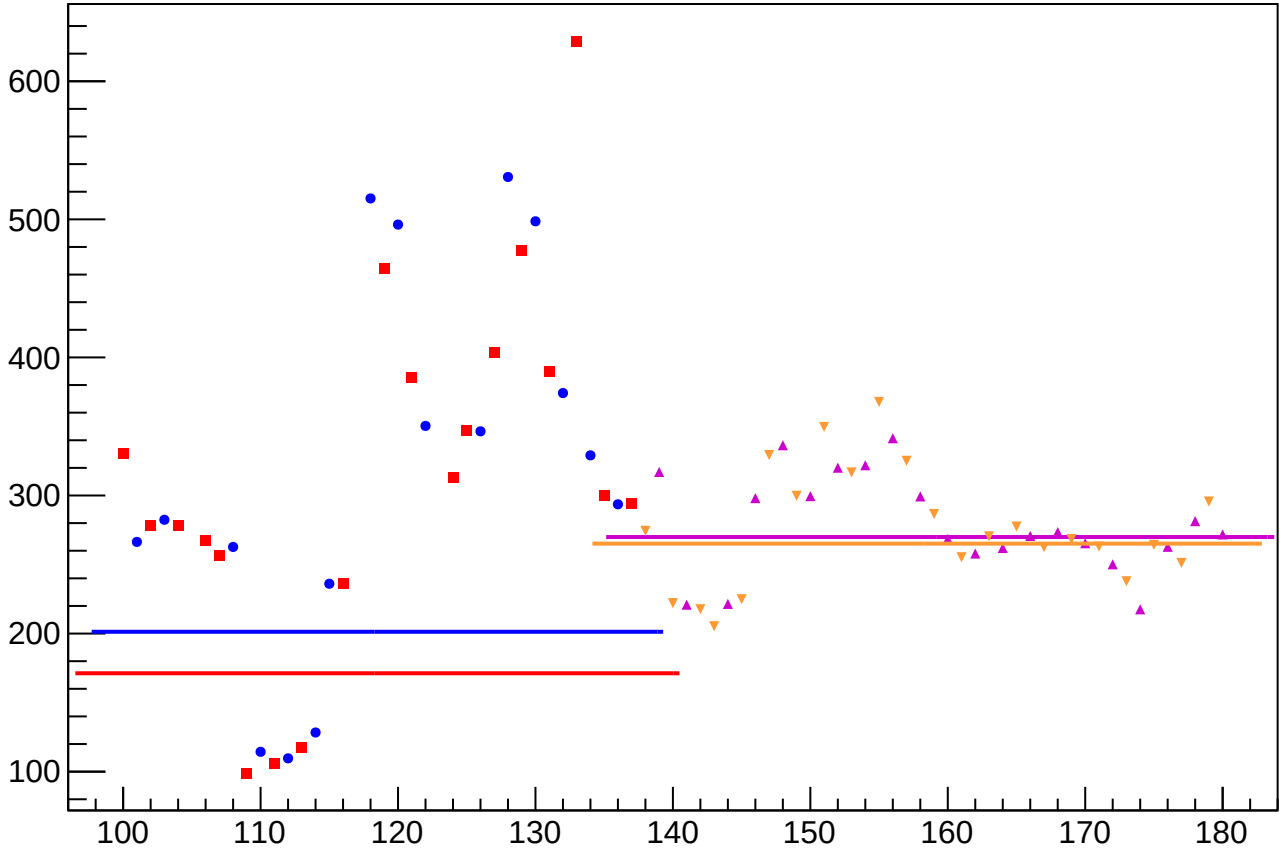
Left In: 255.376+/-65.699 χ^2/NDF:23.9/20

\+ sign 64.165+/-51.686 χ^2/NDF: 67.0/37

All: 144.369+/-35.675 χ^2/NDF: 111.8/77

\- 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: 265.138+/-0.045 χ^2/NDF:764180.2/21

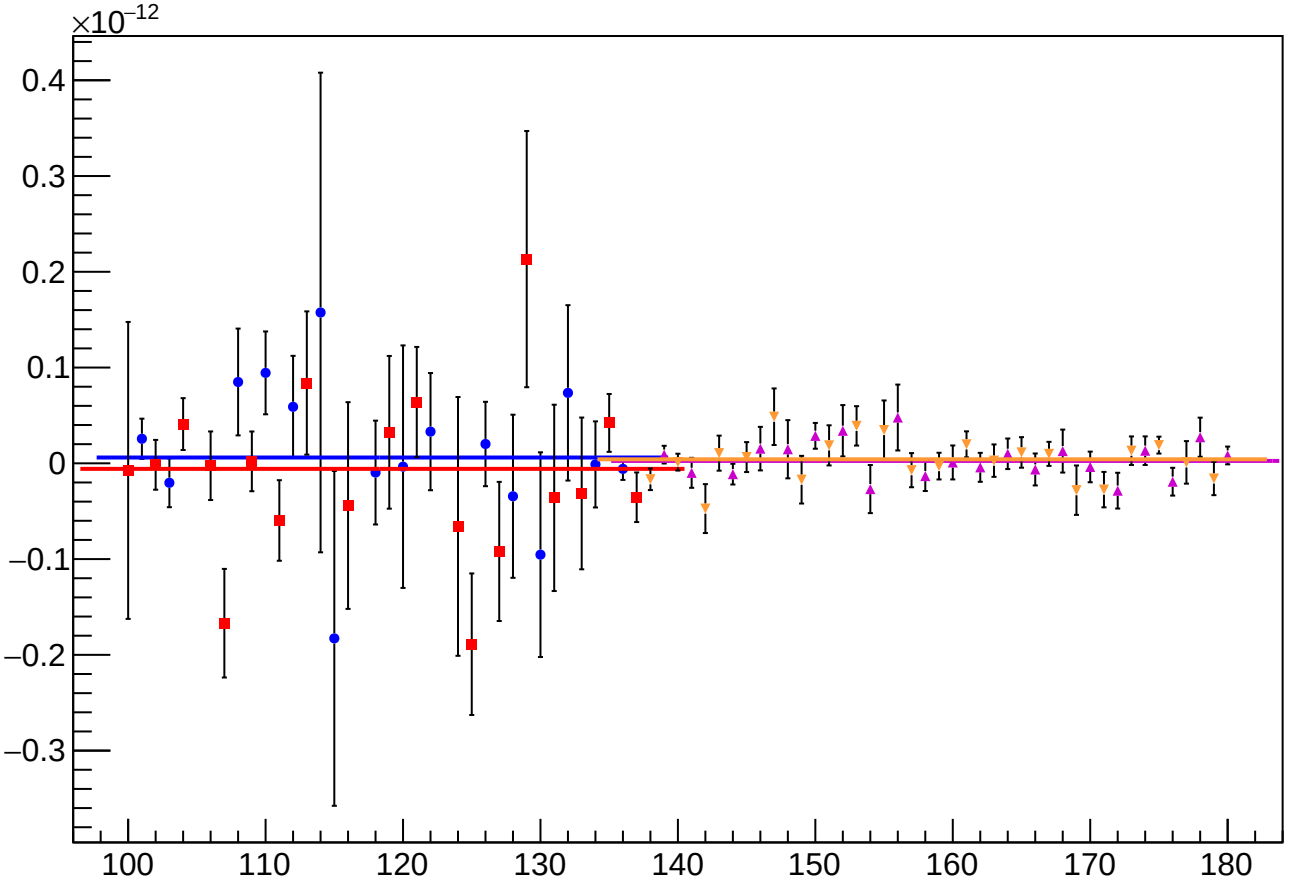
Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.921+/-0.046 χ^2/NDF:602114.6/20

+ sign 242.550+/-0.037 χ^2/NDF: 5033923.5/37

All: 234.314+/-0.025 χ^2/NDF: 11896134.9/77

- sign 226.820+/-0.035 χ^2/NDF: 6765217.5/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

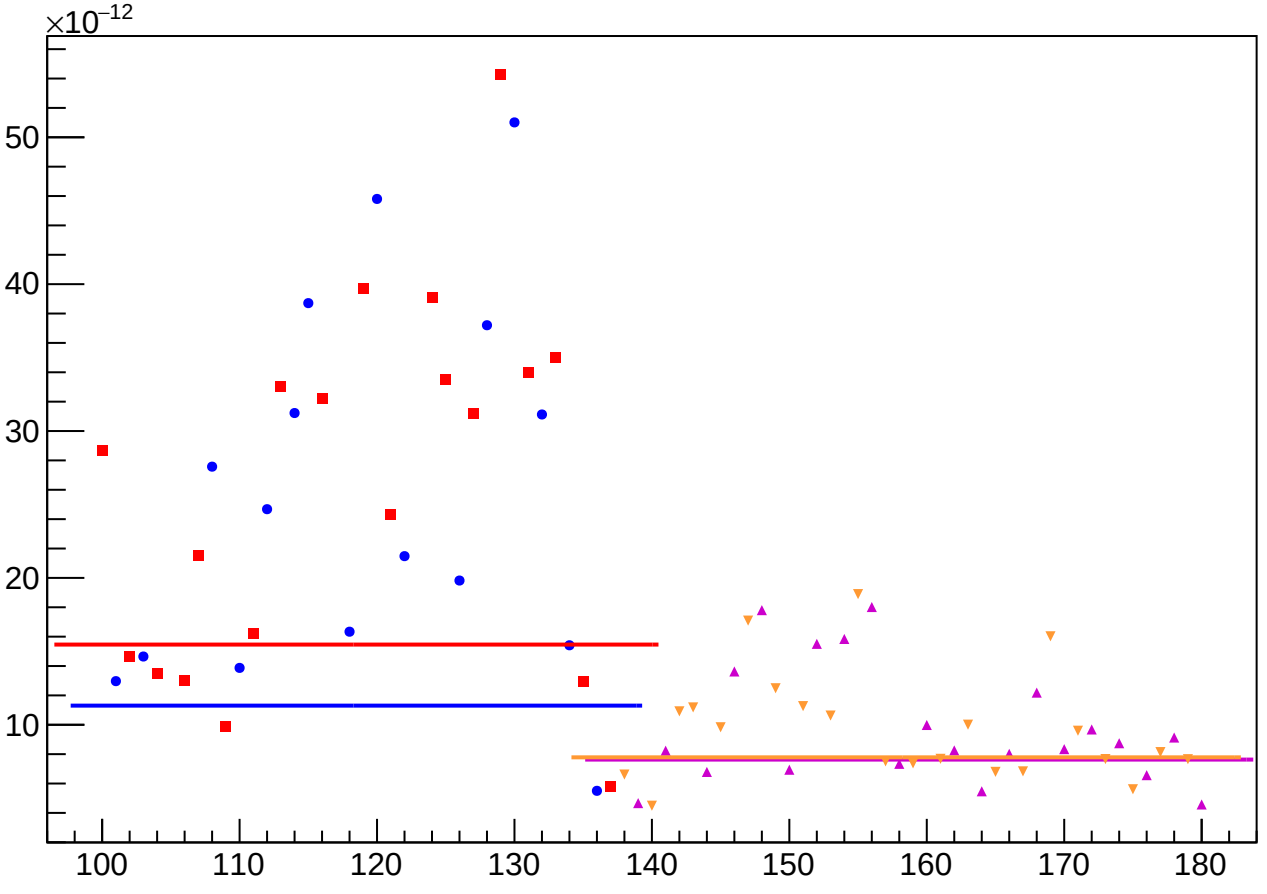
Left In: 0.000+/-0.000 χ^2/NDF:21.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 40.3/37

All: 0.000+/-0.000 χ^2/NDF: 92.8/77

- sign 0.000+/-0.000 χ^2/NDF: 52.1/39

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1458961.5/21

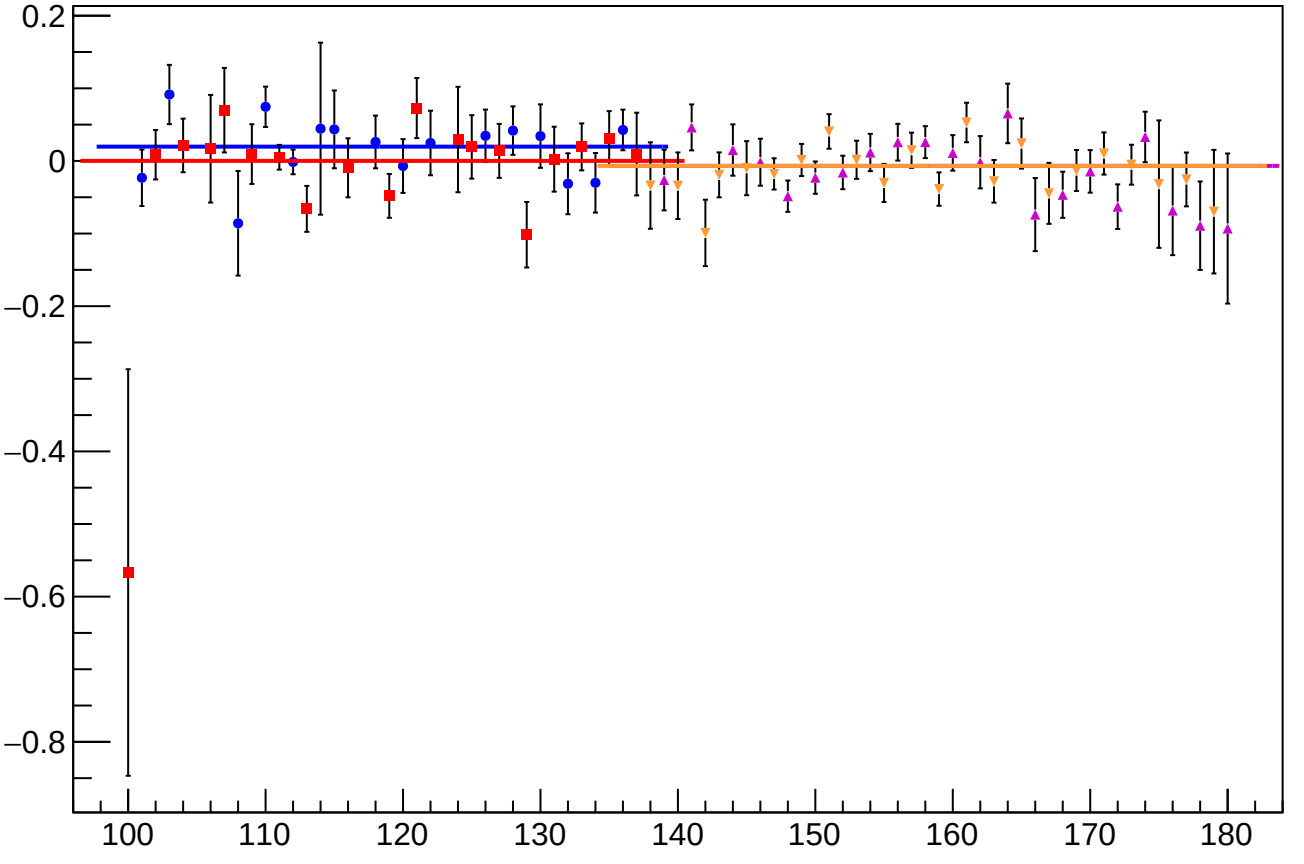
Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1595967.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 3561434.1/37

All: 0.000+/-0.000 χ^2/NDF: 7665487.5/77

- sign 0.000+/-0.000 χ^2/NDF: 4102102.9/39



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

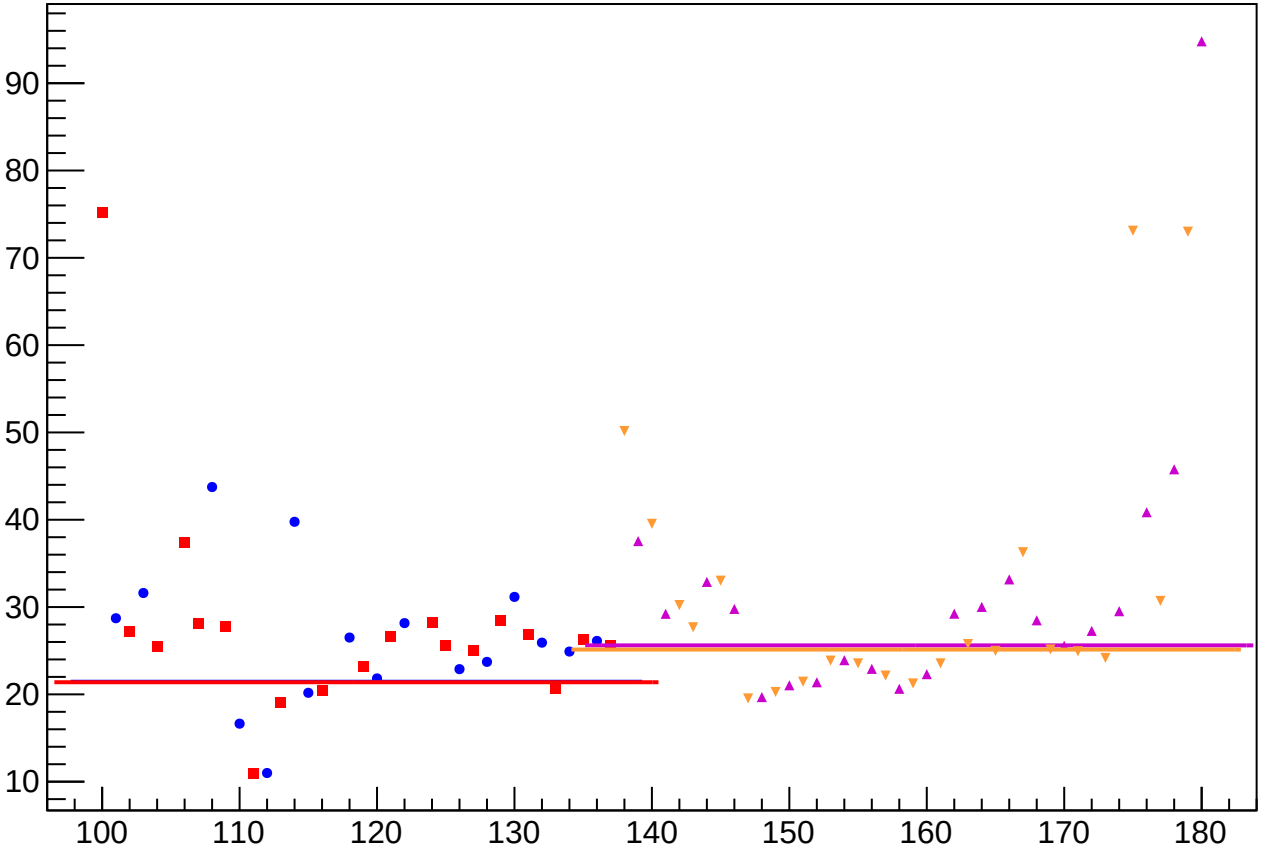
Left In: -0.007+/-0.007 χ^2/NDF:27.5/20

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/37

All: -0.001+/-0.004 χ^2/NDF: 95.7/77

- 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: 25.130+/-0.005 χ^2/NDF:2484624.5/21

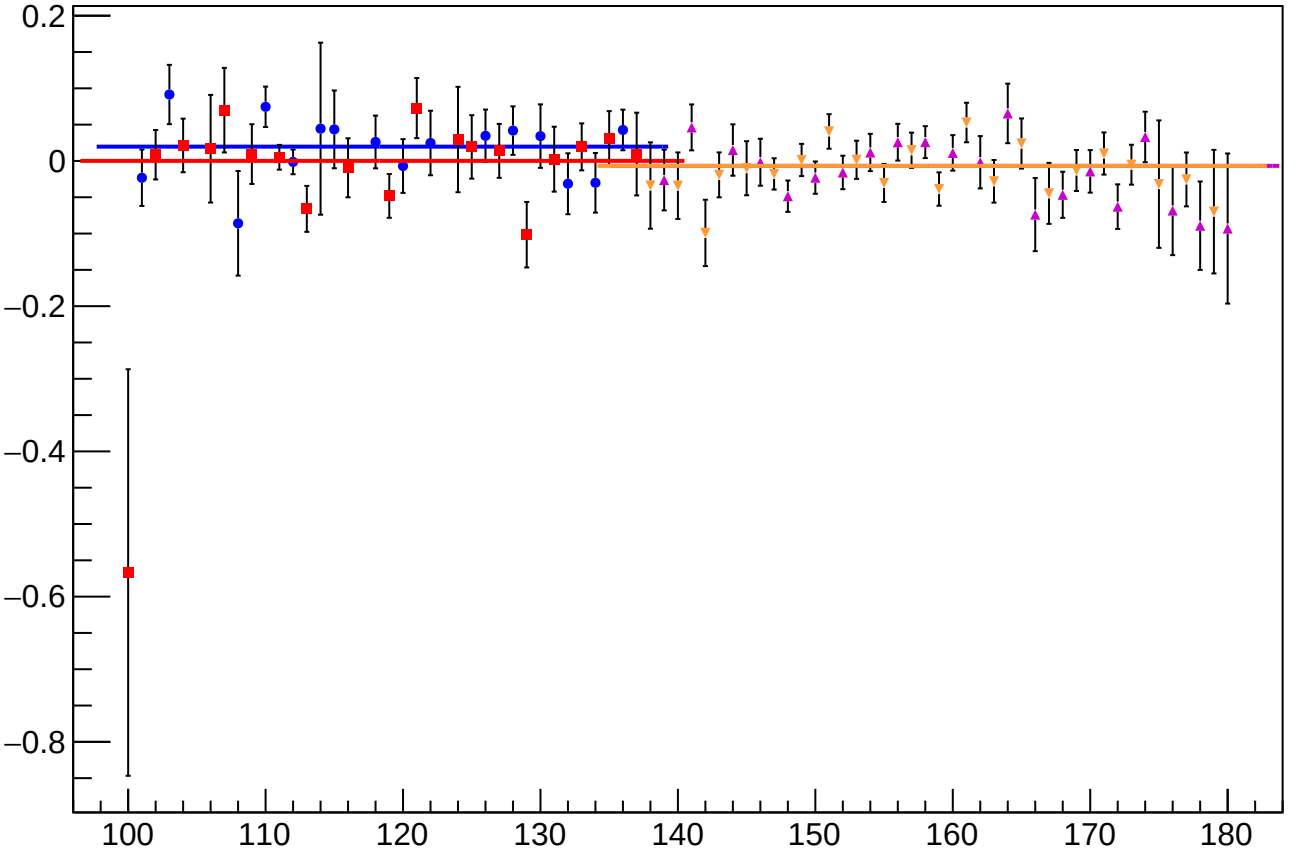
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.609+/-0.005 χ^2/NDF:2154916.6/20

+ sign 23.823+/-0.004 χ^2/NDF: 4257909.5/37

All: 23.915+/-0.003 χ^2/NDF: 8031609.7/77

- sign 24.009+/-0.004 χ^2/NDF: 3772420.2/39



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

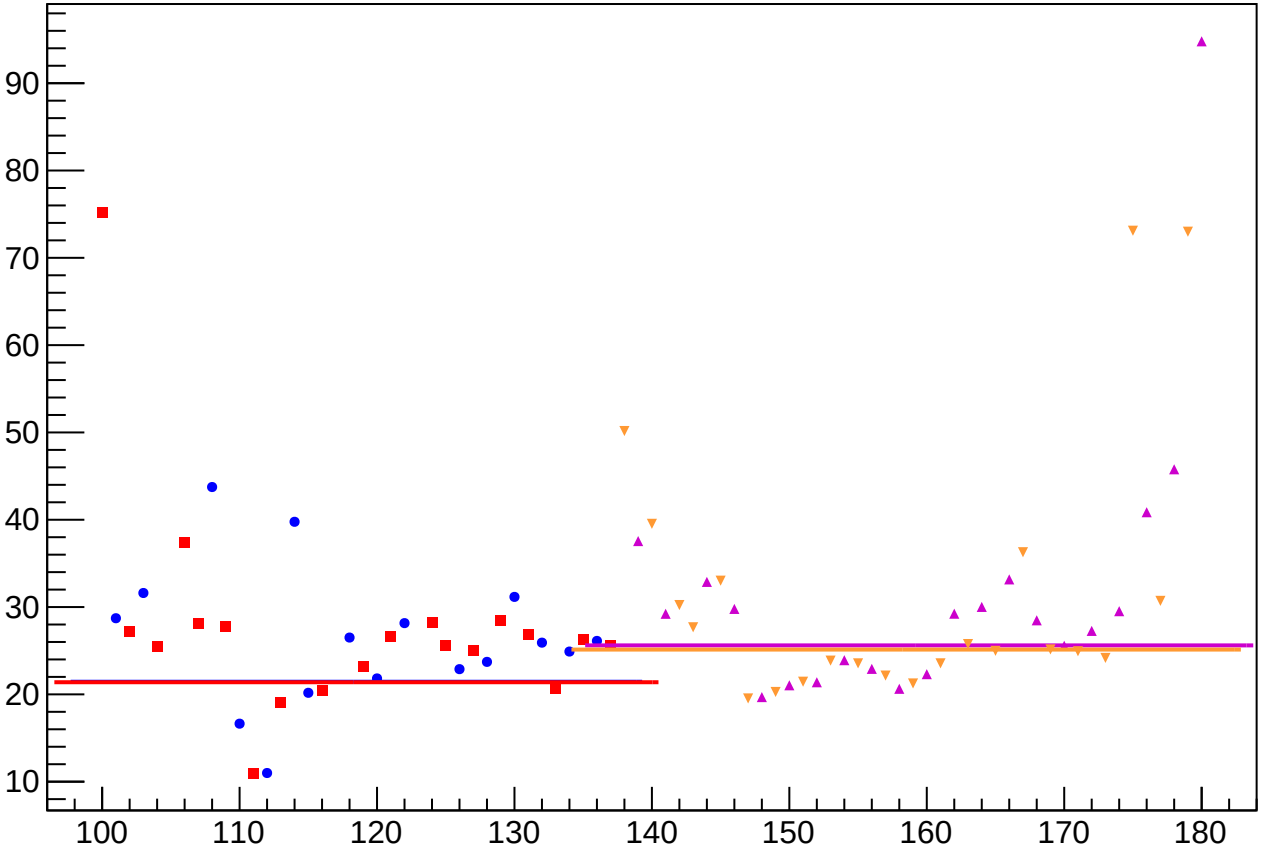
Left In: -0.007+/-0.007 χ^2/NDF:27.5/20

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/37

All: -0.001+/-0.004 χ^2/NDF: 95.7/77

- 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: 25.130+/-0.005 χ^2/NDF:2484624.5/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

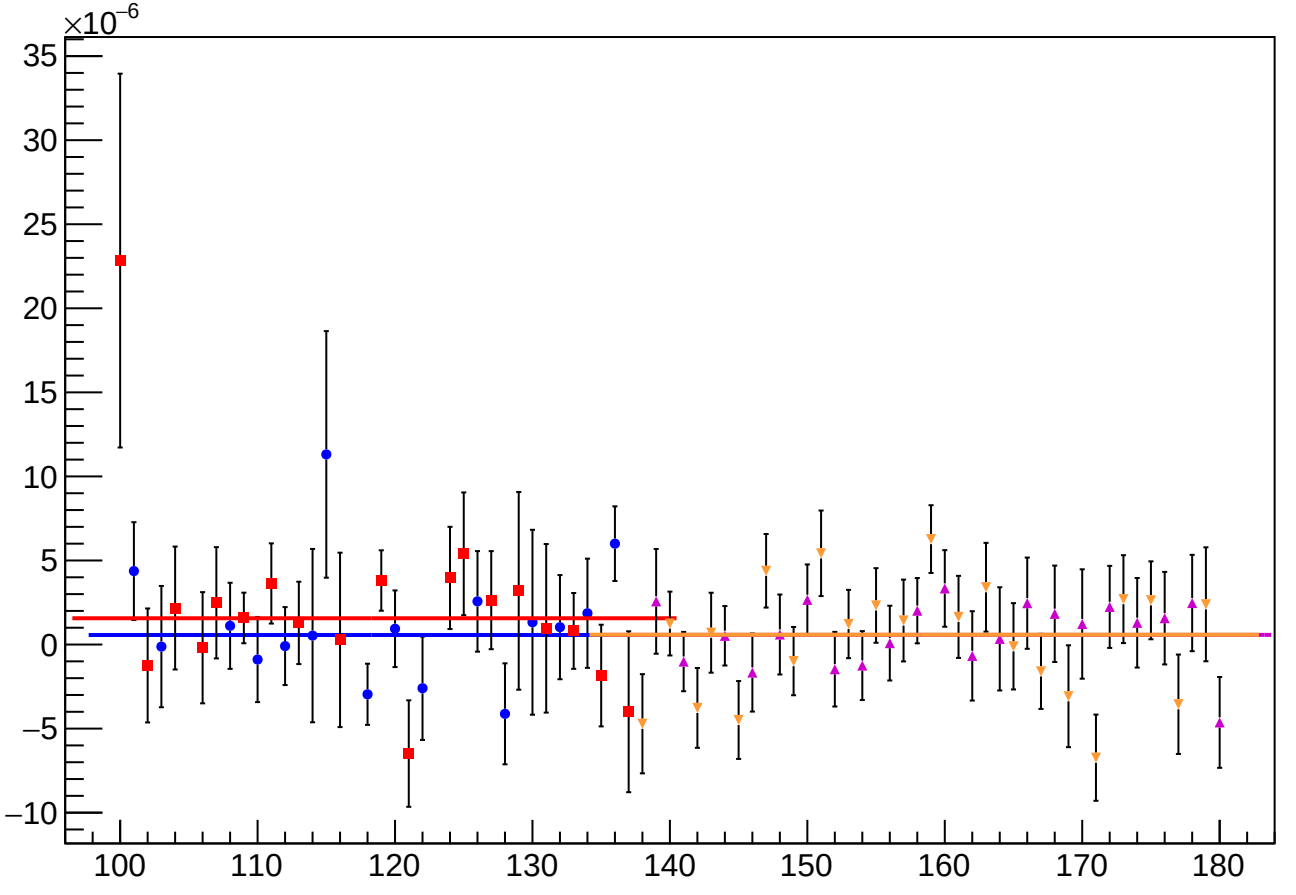
Left In: 25.609+/-0.005 χ^2/NDF:2154916.6/20

\+ sign 23.823+/-0.004 χ^2/NDF: 4257909.5/37

All: 23.915+/-0.003 χ^2/NDF: 8031609.7/77

\- 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:43.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

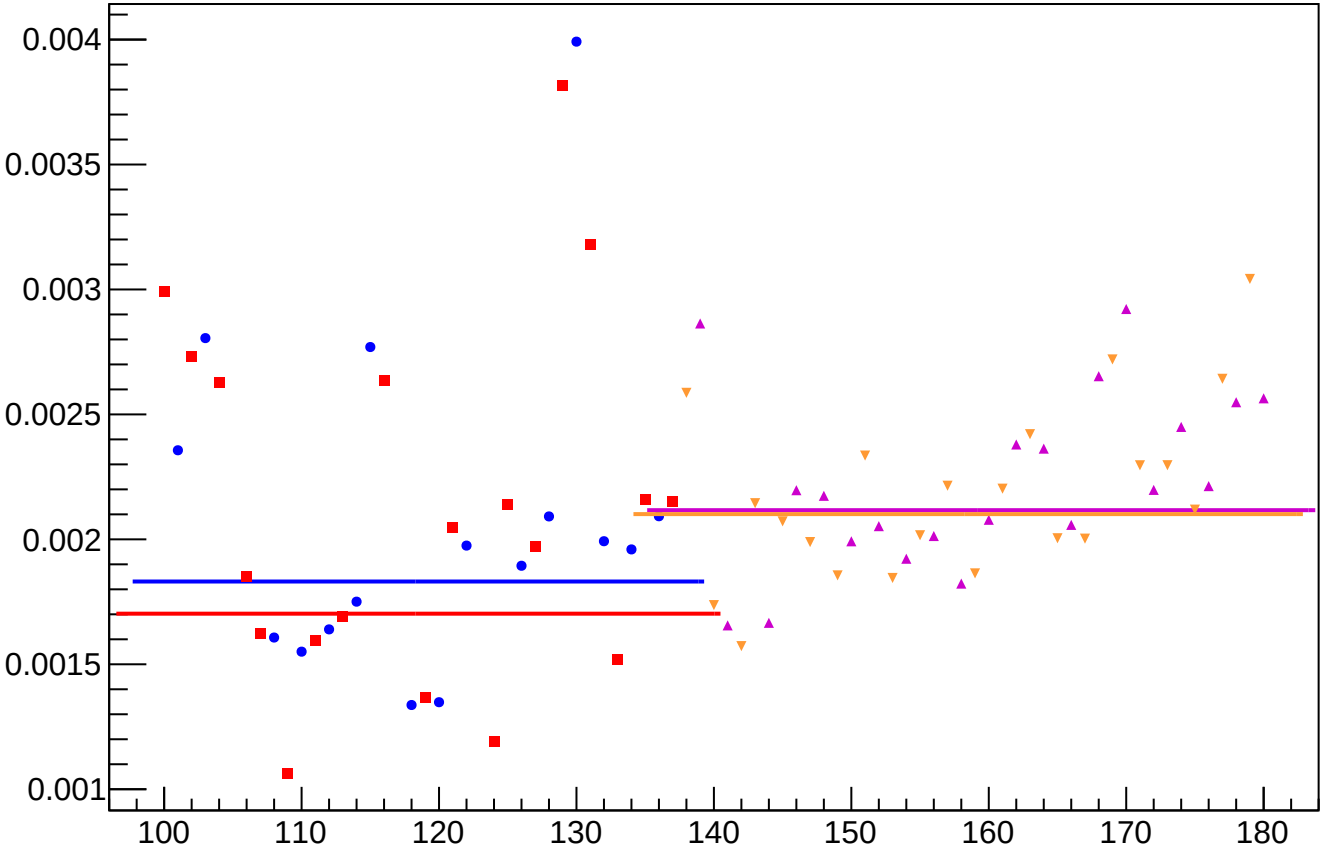
Left In: 0.000+/-0.000 χ^2/NDF:12.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 61.4/37

All: 0.000+/-0.000 χ^2/NDF: 94.1/77

- sign 0.000+/-0.000 χ^2/NDF: 32.3/39

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:713036.2/21

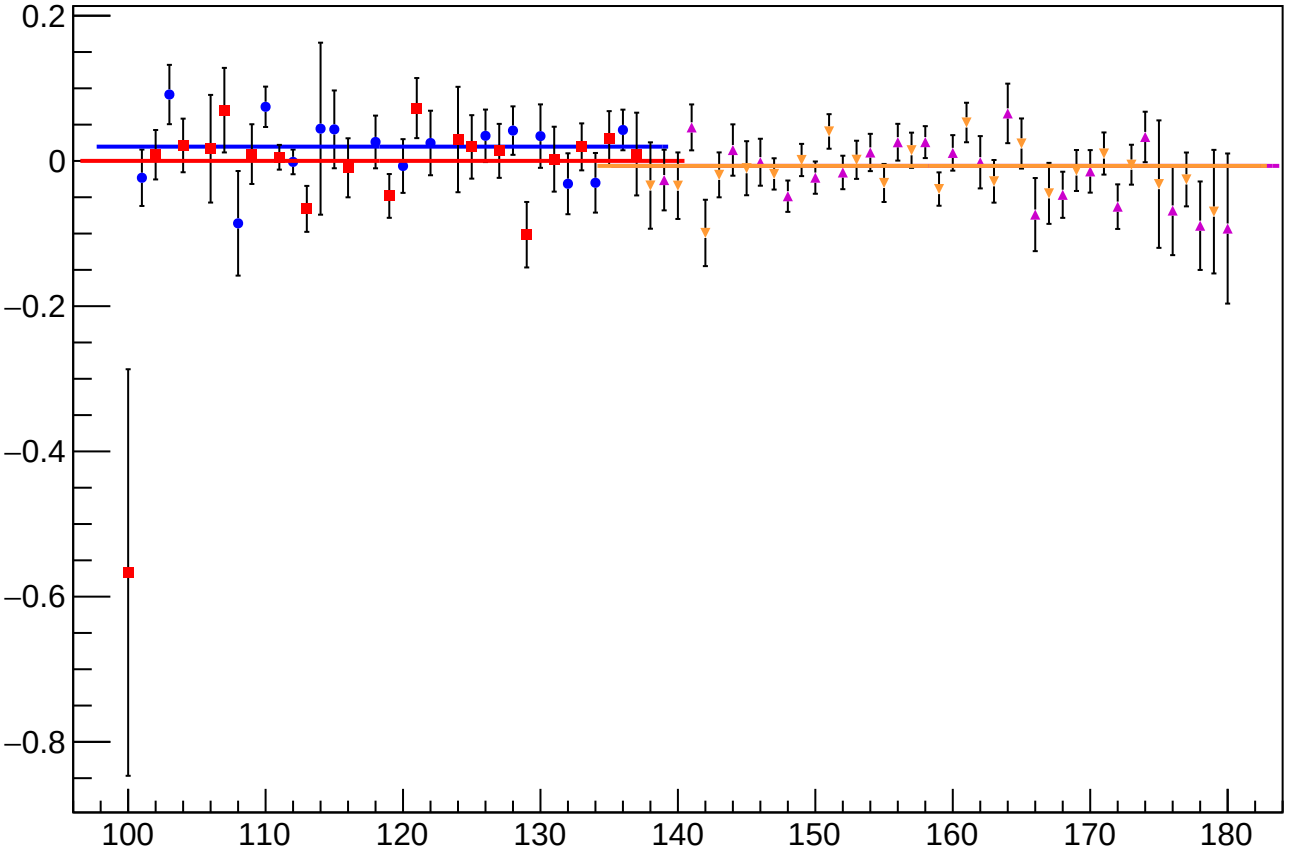
Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:824804.3/20

+ sign 0.002+/-0.000 χ^2/NDF: 1805321.2/37

All: 0.002+/-0.000 χ^2/NDF: 4611719.9/77

- sign 0.002+/-0.000 χ^2/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:21.1/21

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

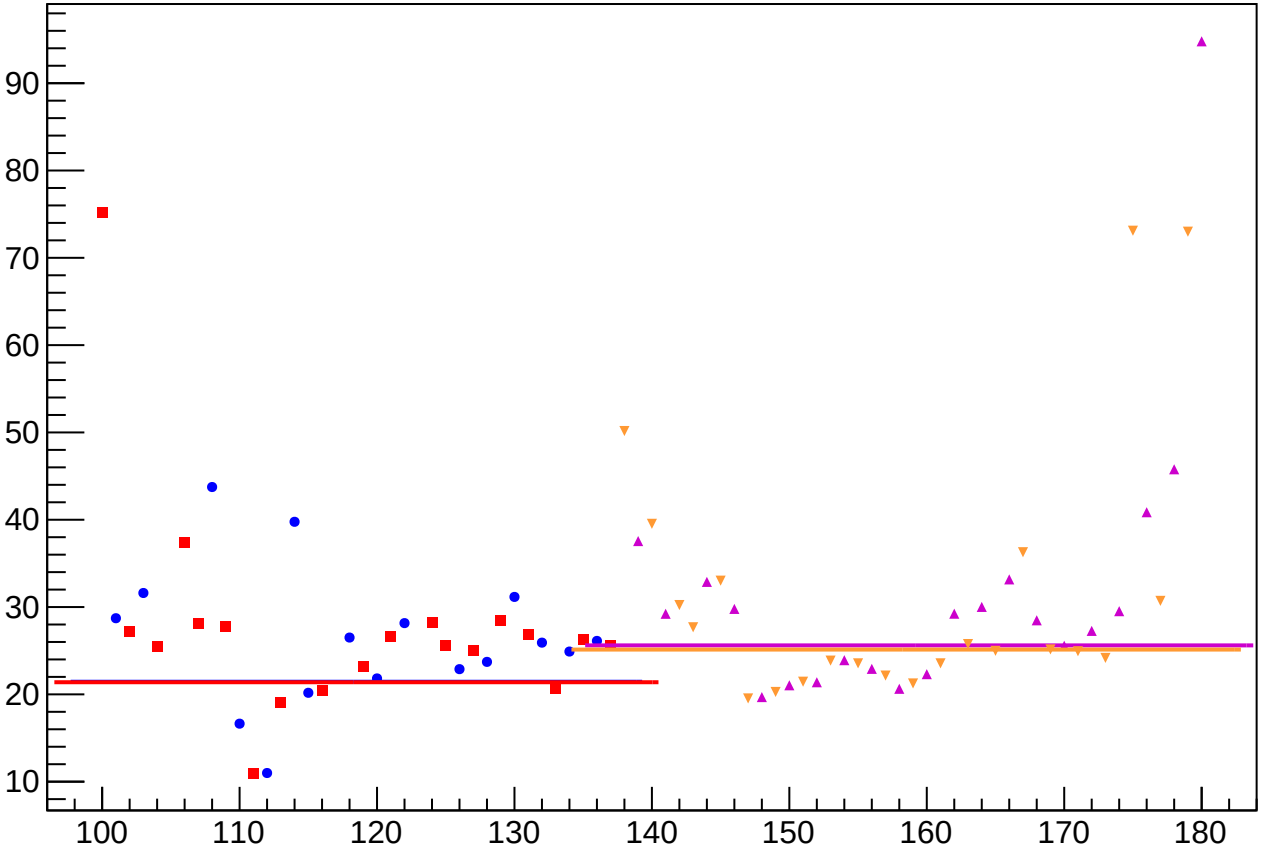
Left In: -0.007+/-0.007 χ^2/NDF:27.5/20

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/37

All: -0.001+/-0.004 χ^2/NDF: 95.7/77

- 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: 25.130+/-0.005 χ^2/NDF:2484624.1/21

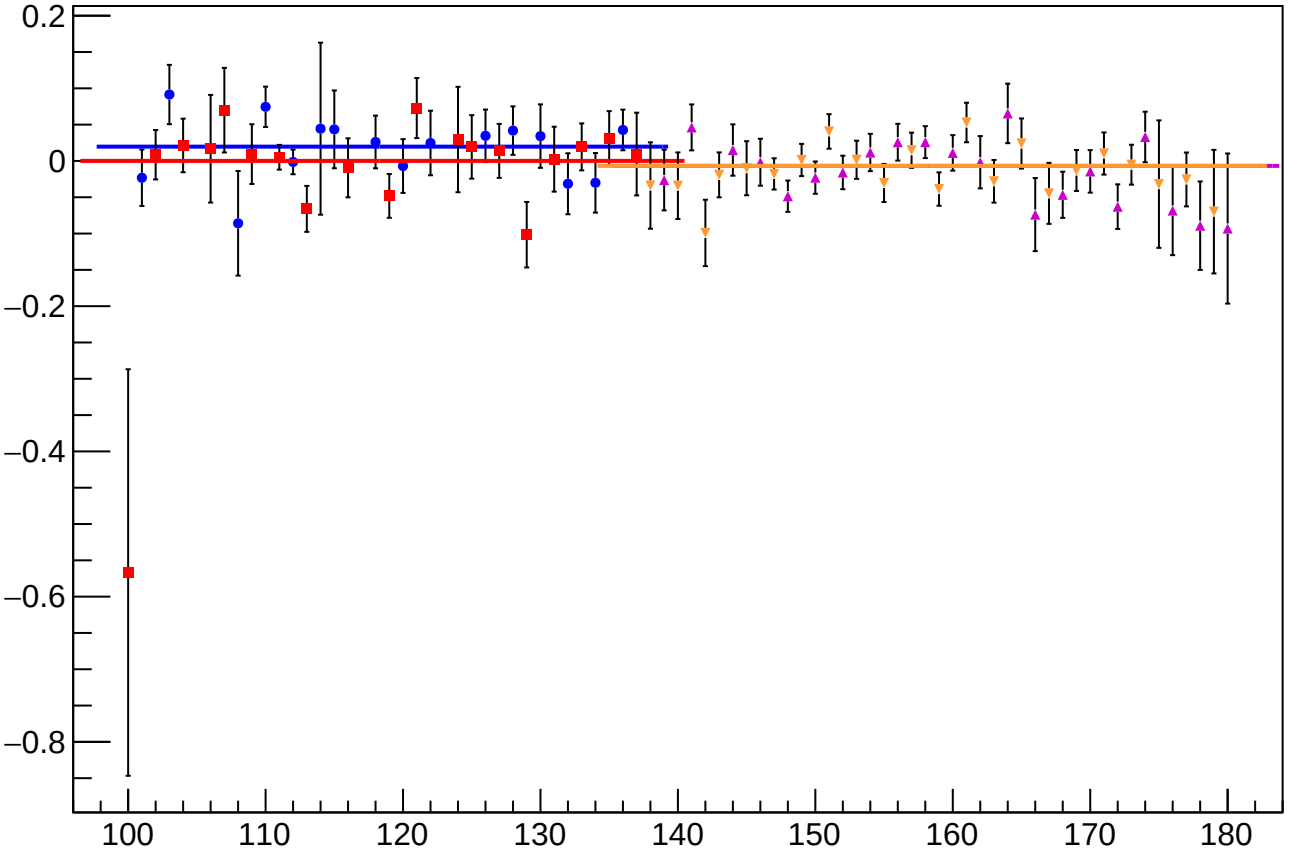
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.609+/-0.005 χ^2/NDF:2154898.4/20

\+ sign 23.823+/-0.004 χ^2/NDF: 4258159.2/37

All: 23.915+/-0.003 χ^2/NDF: 8032085.4/77

\- 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:21.1/21

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

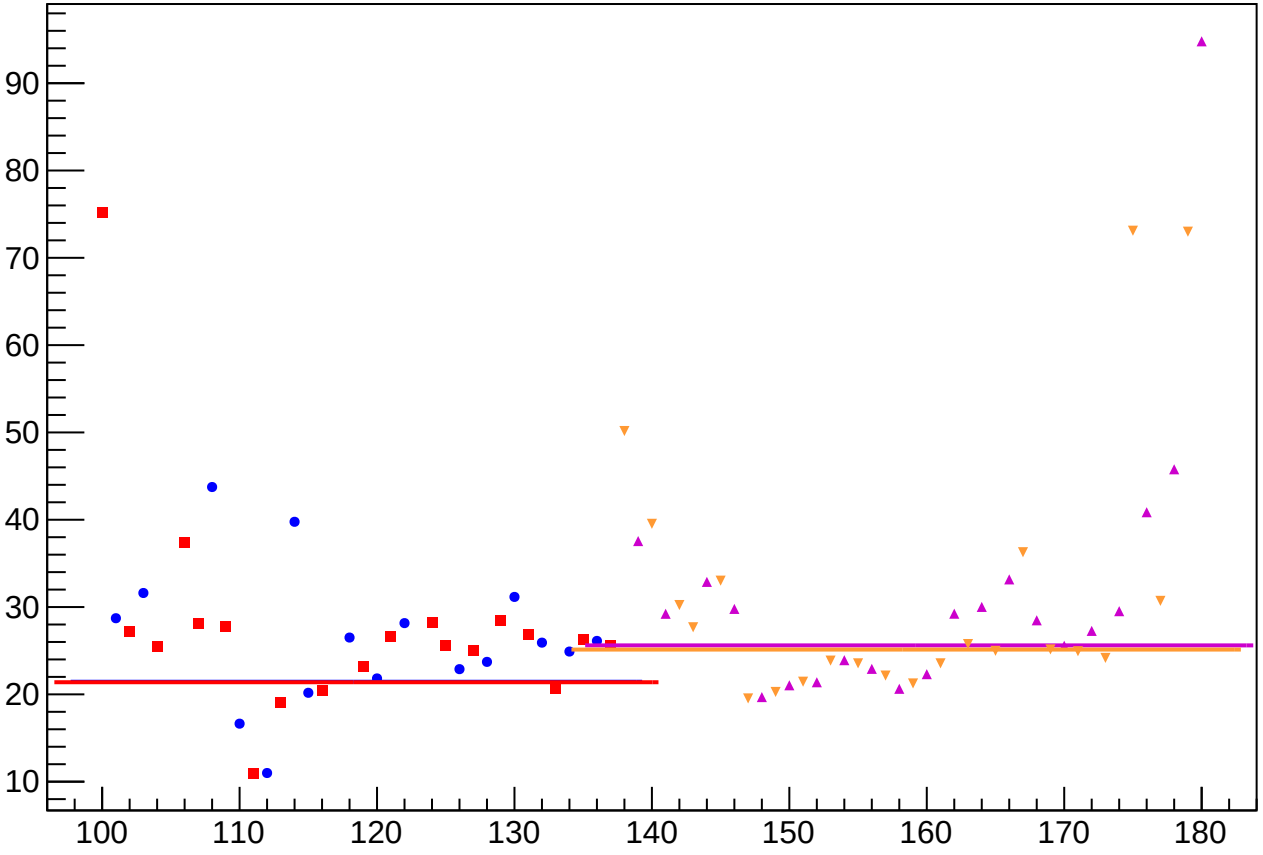
Left In: -0.007+/-0.007 χ^2/NDF:27.5/20

+ sign 0.003+/-0.005 χ^2/NDF: 44.1/37

All: -0.001+/-0.004 χ^2/NDF: 95.7/77

- sign -0.004+/-0.005 χ^2/NDF: 50.8/39

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.1/21

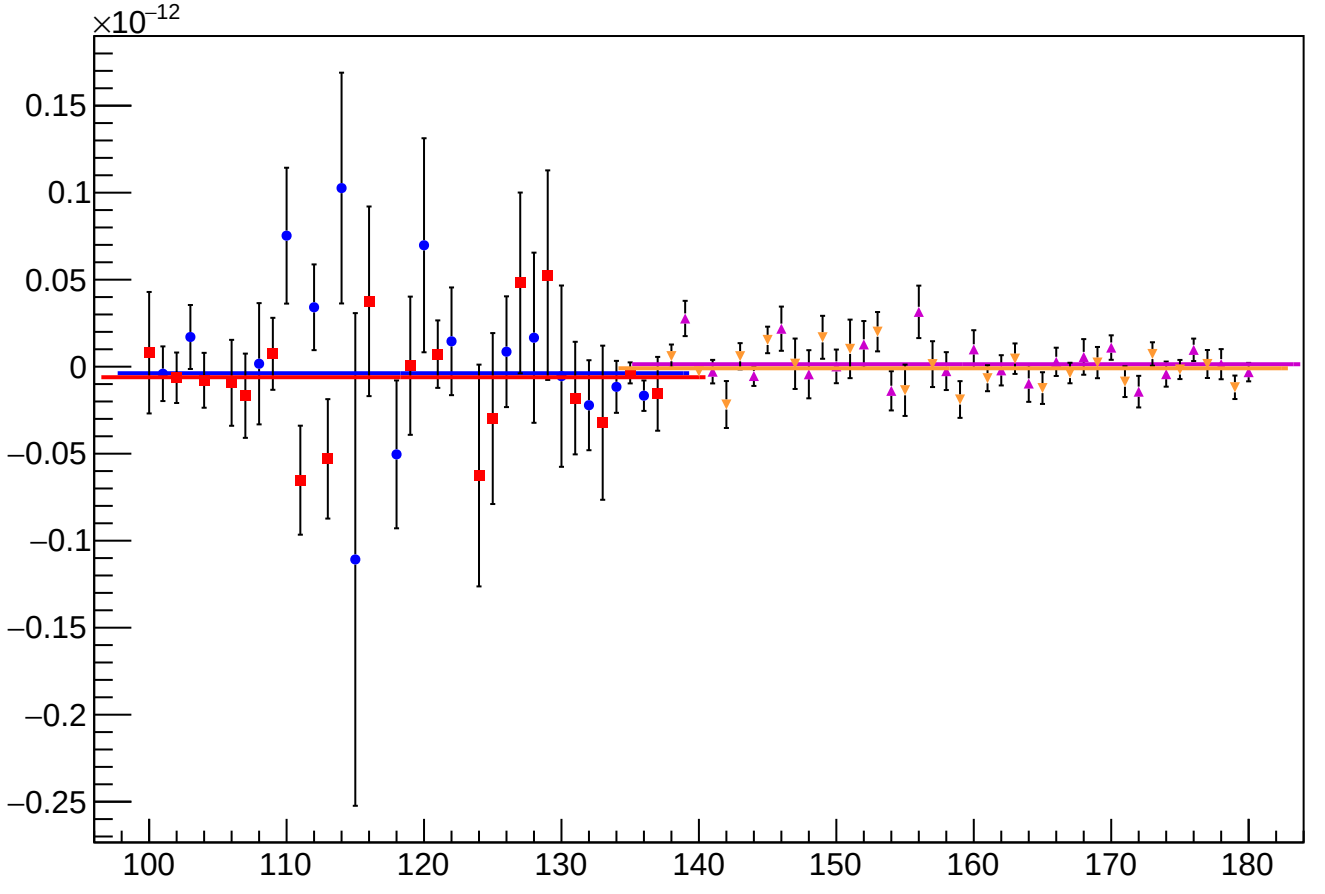
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.609+/-0.005 χ^2/NDF:2154898.4/20

\+ sign 23.823+/-0.004 χ^2/NDF: 4258159.2/37

All: 23.915+/-0.003 χ^2/NDF: 8032085.4/77

\- 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:26.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

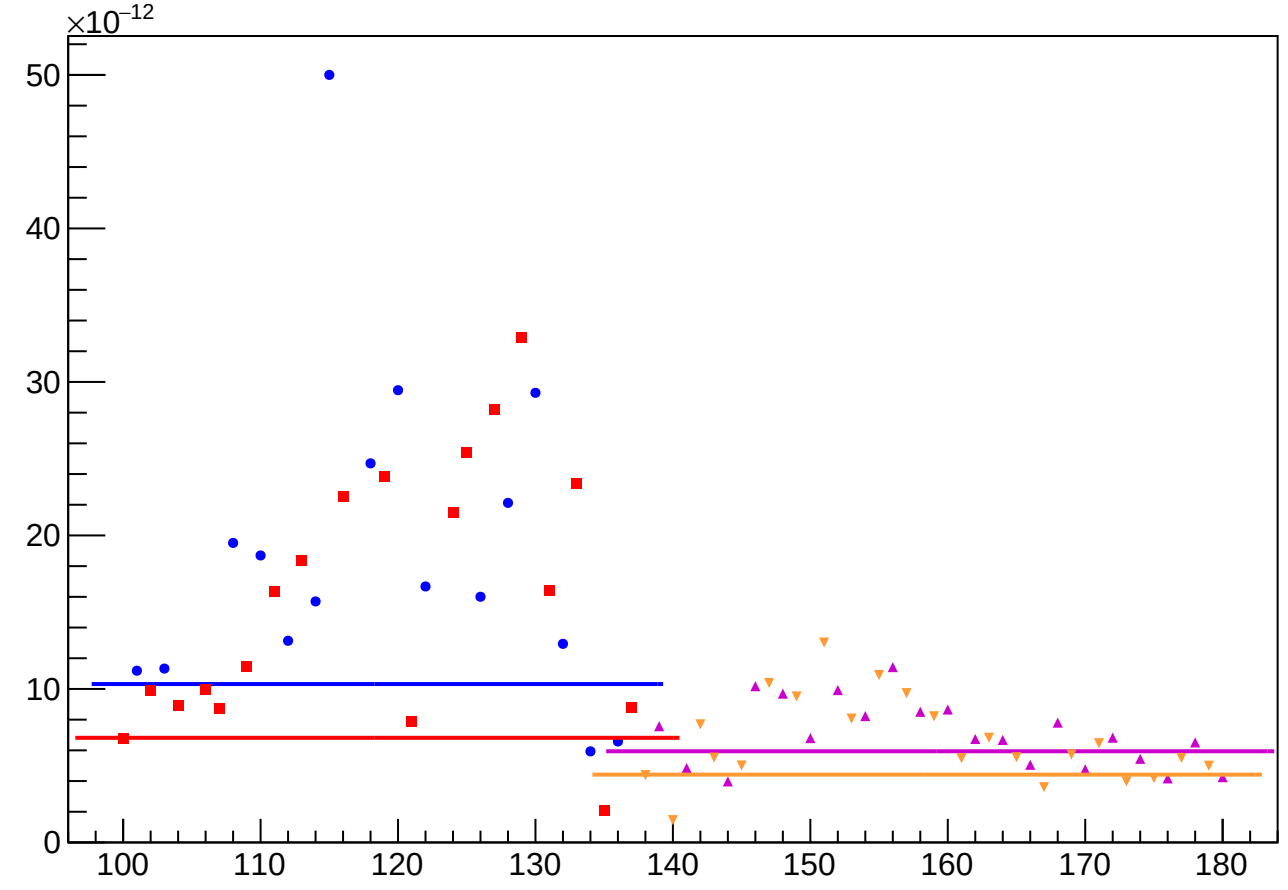
Left In: 0.000+/-0.000 χ^2/NDF:27.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/37

All: -0.000+/-0.000 χ^2/NDF: 86.3/77

- 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:5152779.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

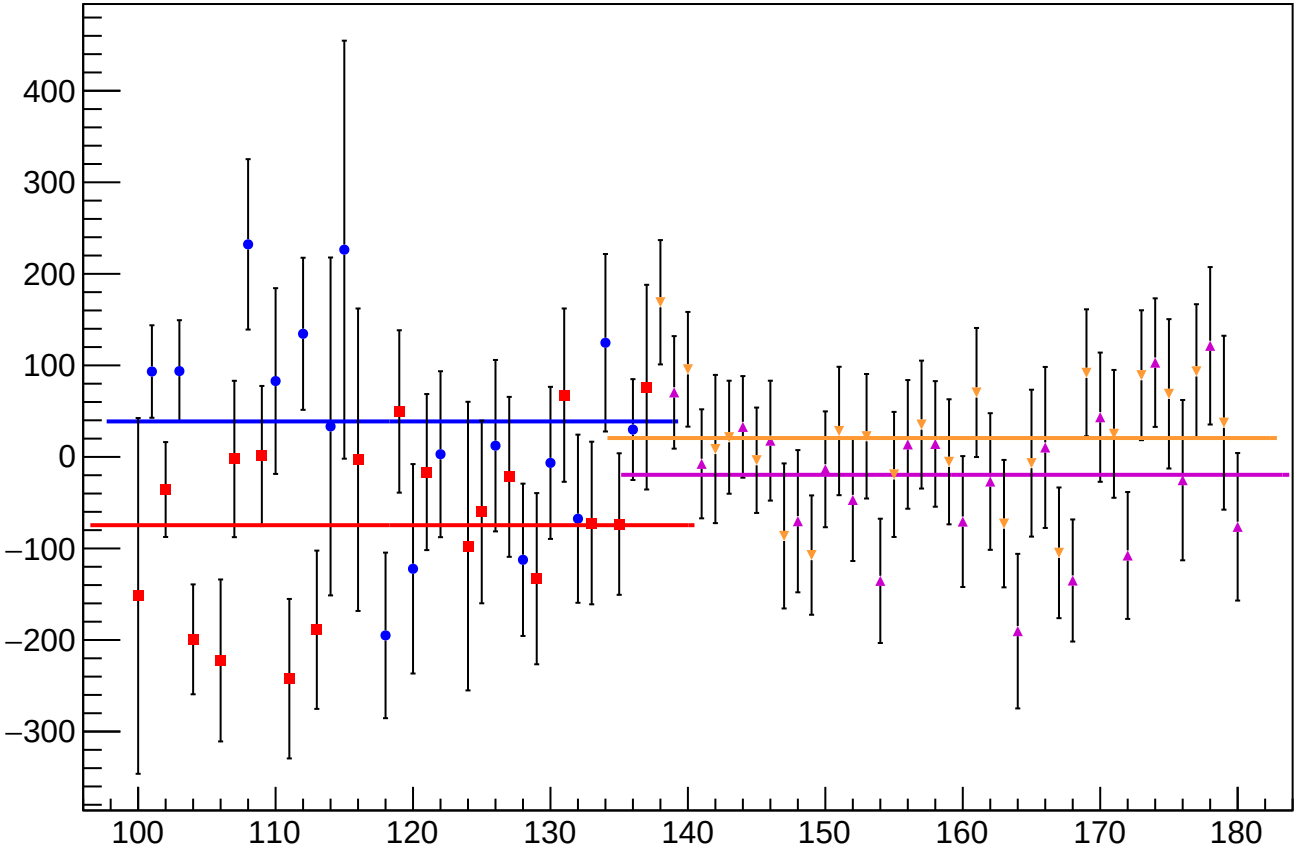
Left In: 0.000+/-0.000 χ^2/NDF:2044935.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 9238436.4/37

All: 0.000+/-0.000 χ^2/NDF: 15955295.0/77

- 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: 20.629+/-14.985 χ^2/NDF:21.5/21

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

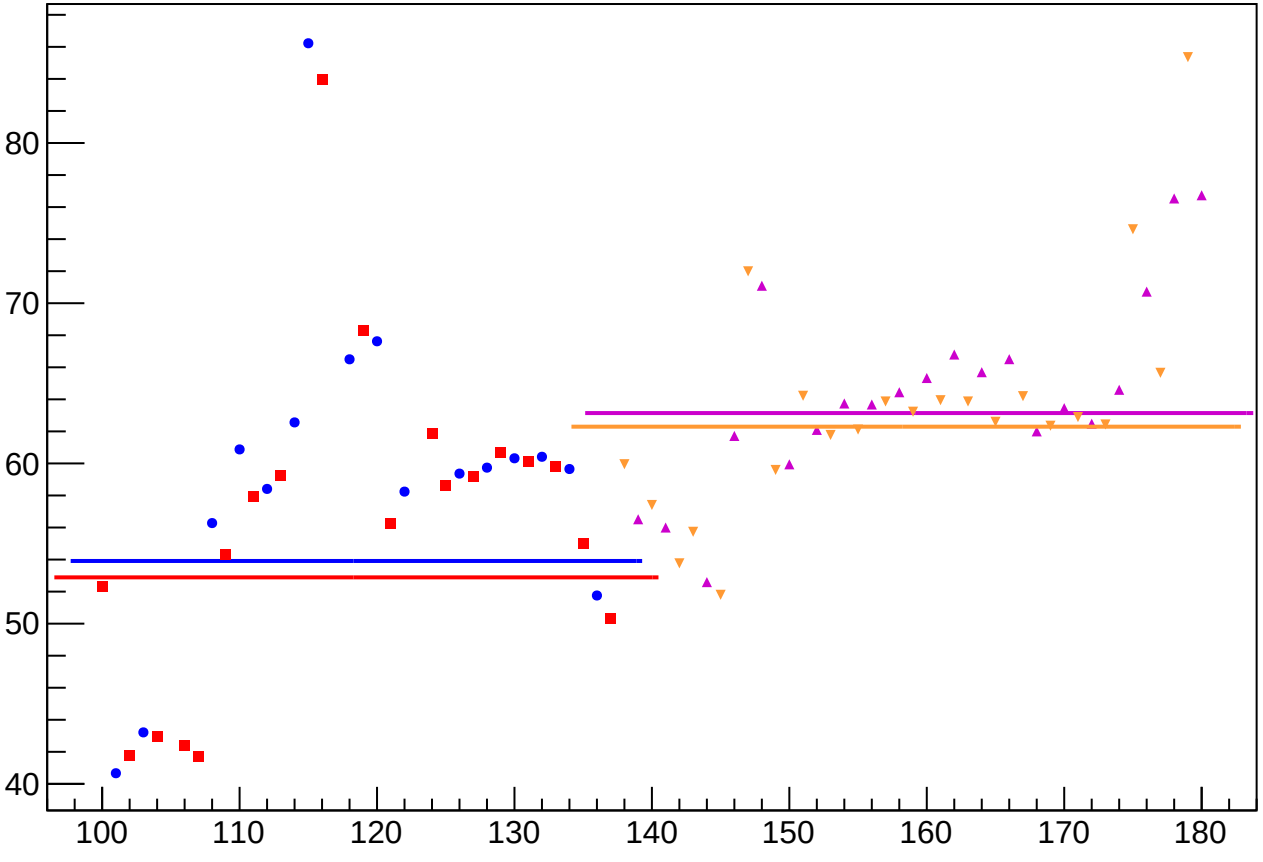
Left In: -19.547+/-15.290 χ^2/NDF:23.8/20

+ sign 26.986+/-12.080 χ^2/NDF: 45.3/37

All: -6.496+/-8.550 χ^2/NDF: 111.7/77

- sign -40.103+/-12.102 χ^2/NDF: 51.0/39

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 62.295+/-0.011 χ^2/NDF:333669.8/21

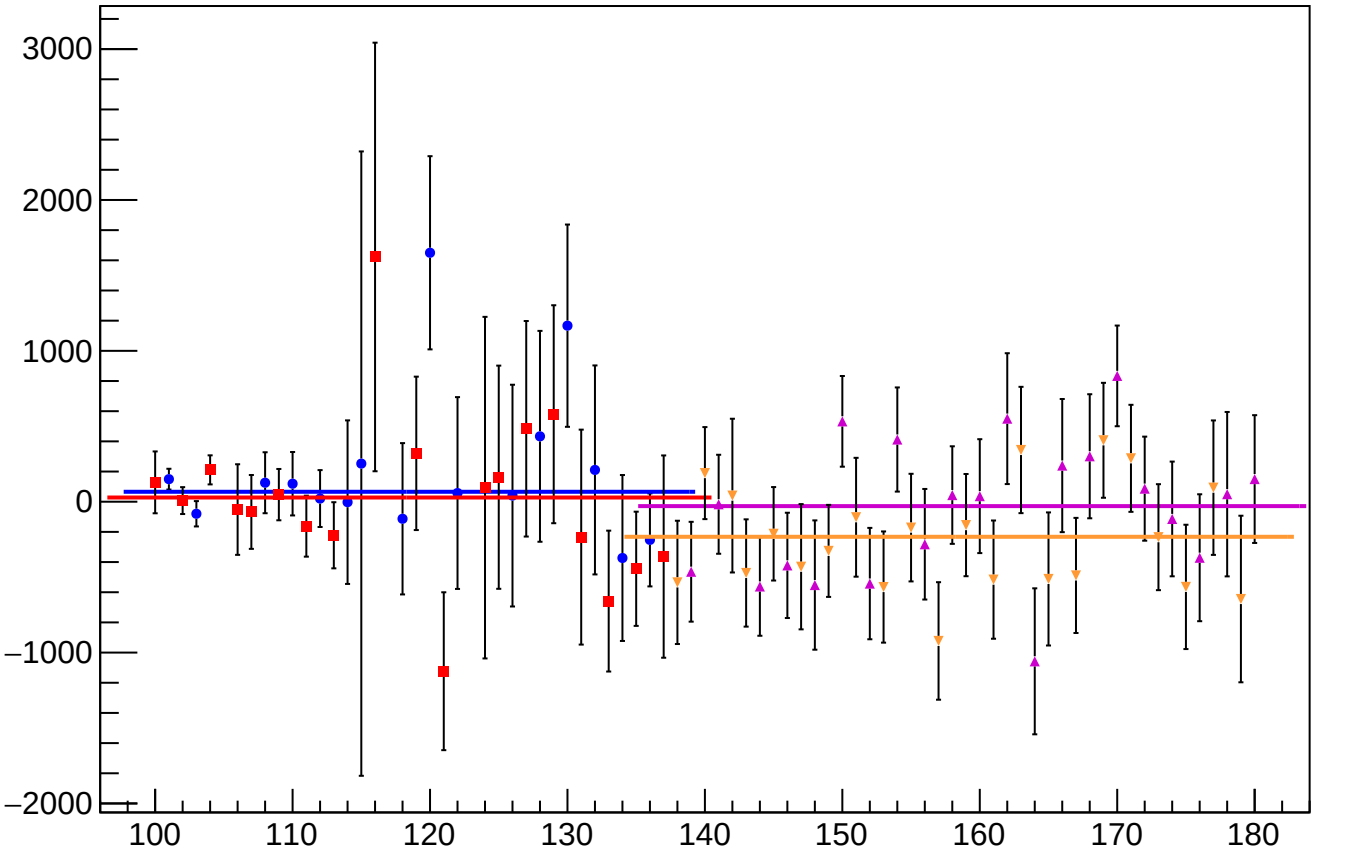
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 63.144+/-0.011 χ^2/NDF:286356.5/20

+ sign 59.359+/-0.009 χ^2/NDF: 946078.9/37

All: 59.336+/-0.006 χ^2/NDF: 1993726.5/77

- sign 59.313+/-0.009 χ^2/NDF: 1047633.2/39



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -232.464+/-80.624 χ^2/NDF:17.7/21

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

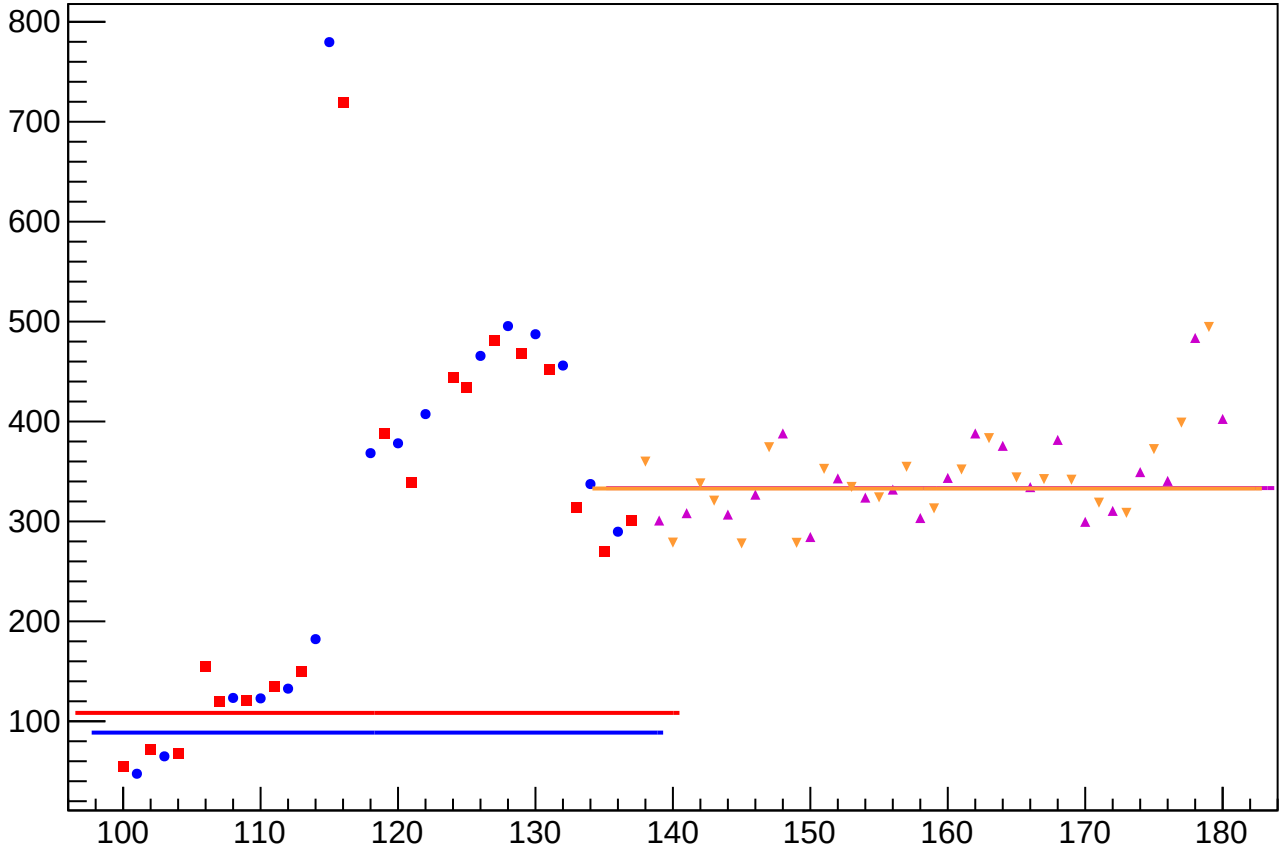
Left In: -29.170+/-81.158 χ^2/NDF:29.8/20

+ sign -8.559+/-40.267 χ^2/NDF: 43.6/37

All: 1.120+/-29.311 χ^2/NDF: 91.9/77

- 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: 332.952+/-0.057 χ^2/NDF:523587.7/21

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

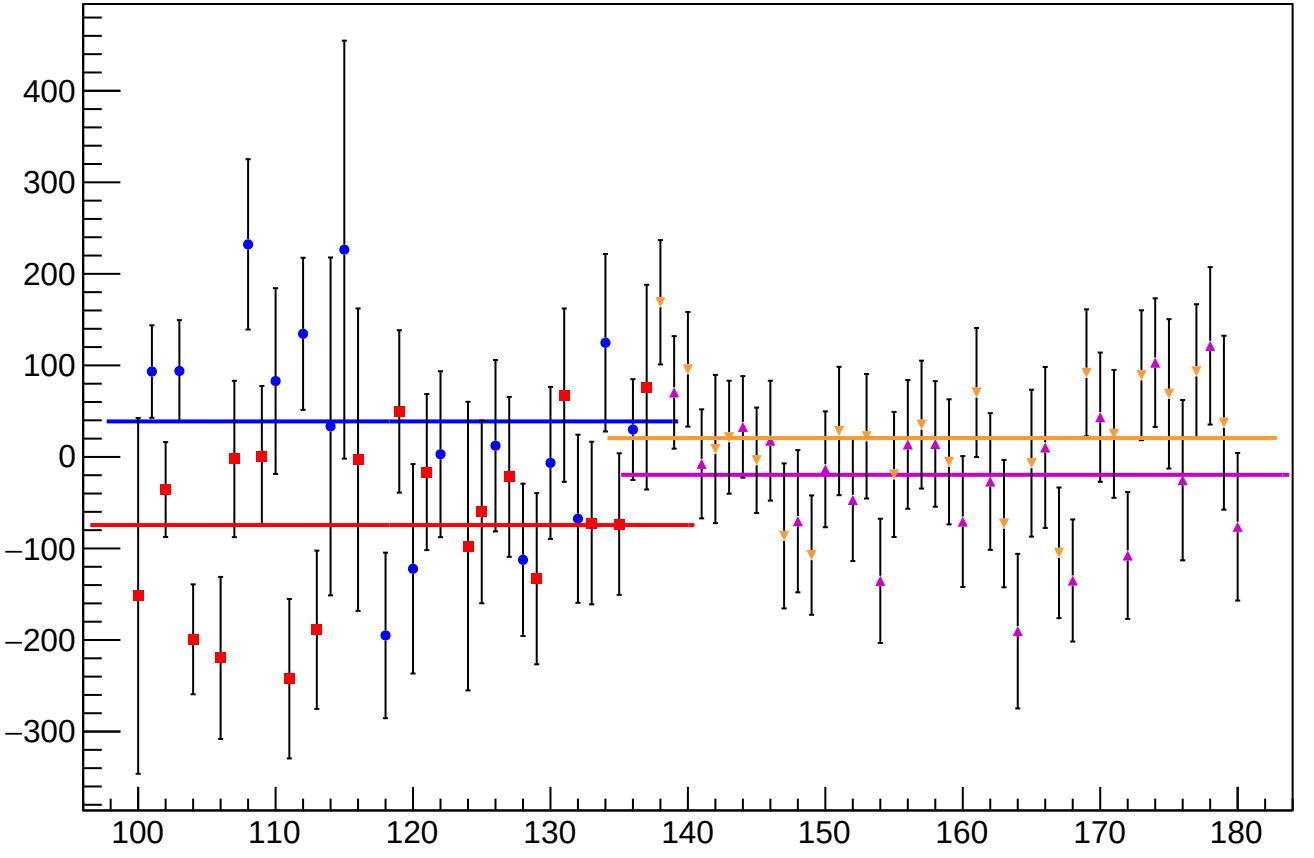
Left In: 333.380+/-0.057 χ^2/NDF:465494.6/20

+ sign 149.594+/-0.028 χ^2/NDF: 20953788.9/37

All: 159.568+/-0.021 χ^2/NDF: 38149584.3/77

- 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: 20.631+/-14.985 χ^2/NDF:21.5/21

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

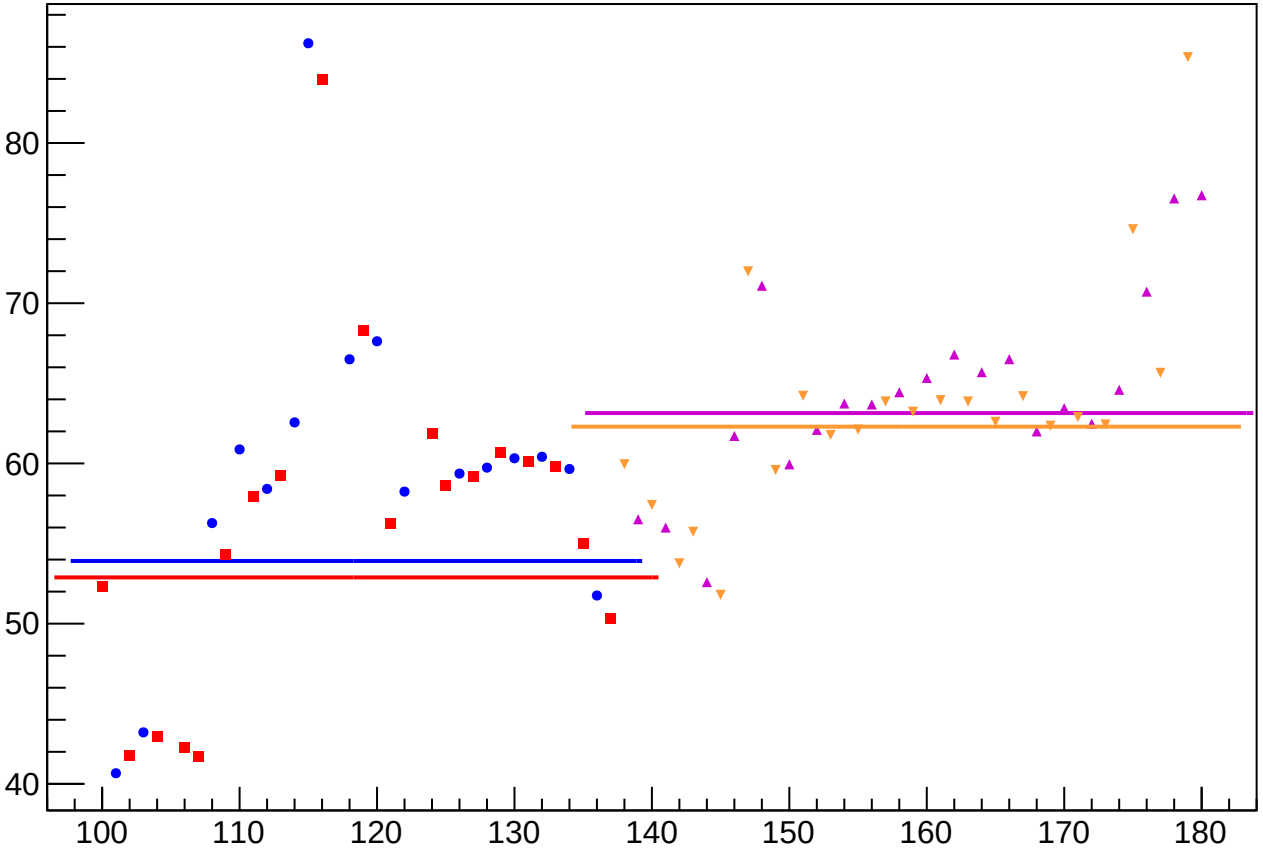
Left In: -19.547+/-15.290 χ^2/NDF:23.8/20

+ sign 26.991+/-12.080 χ^2/NDF: 45.3/37

All: -6.466+/-8.550 χ^2/NDF: 111.6/77

- 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: 62.295+/-0.011 χ^2/NDF:333669.8/21

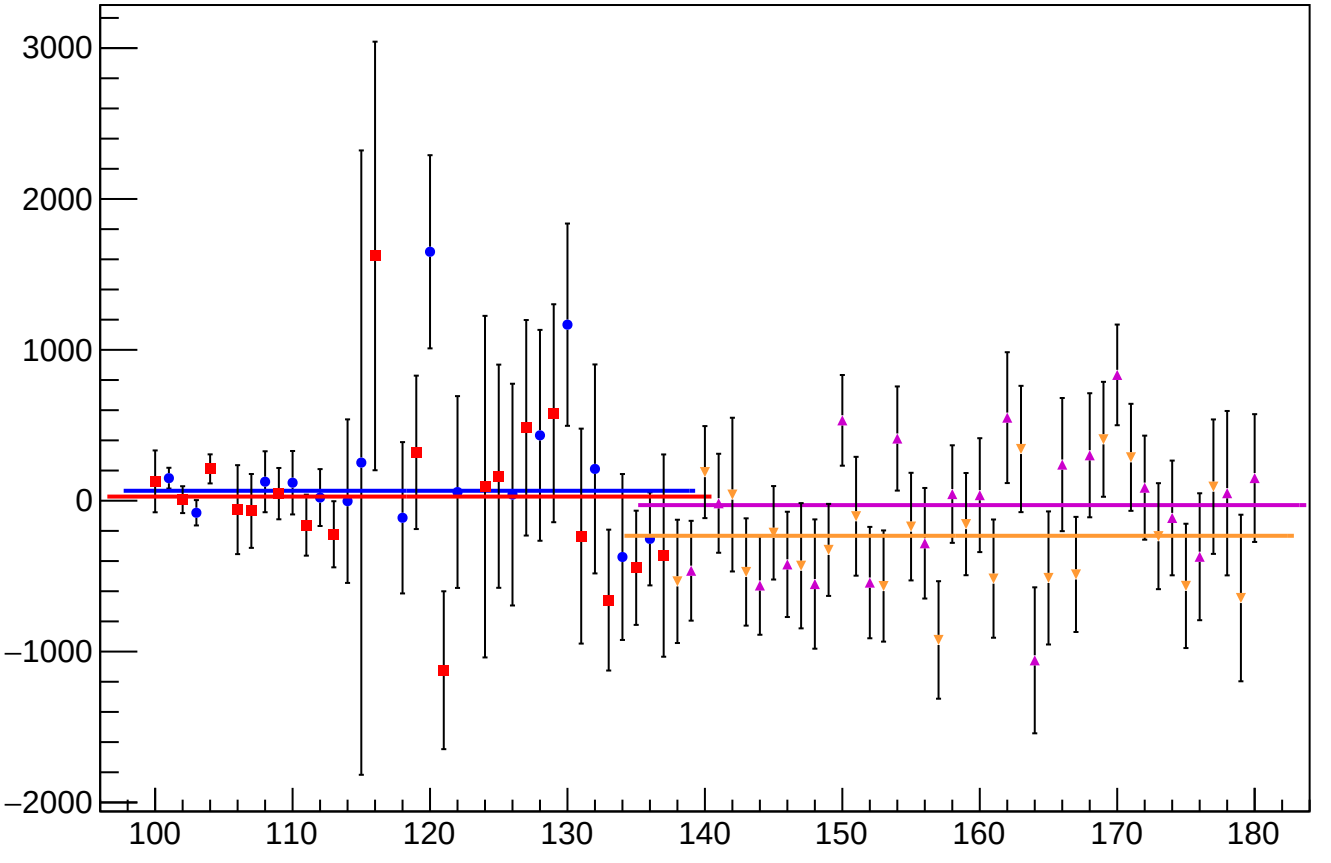
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.144+/-0.011 χ^2/NDF:286356.5/20

+ sign 59.359+/-0.009 χ^2/NDF: 946077.9/37

All: 59.336+/-0.006 χ^2/NDF: 1994150.8/77

- 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: -232.463+/-80.624 χ^2/NDF:17.7/21

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

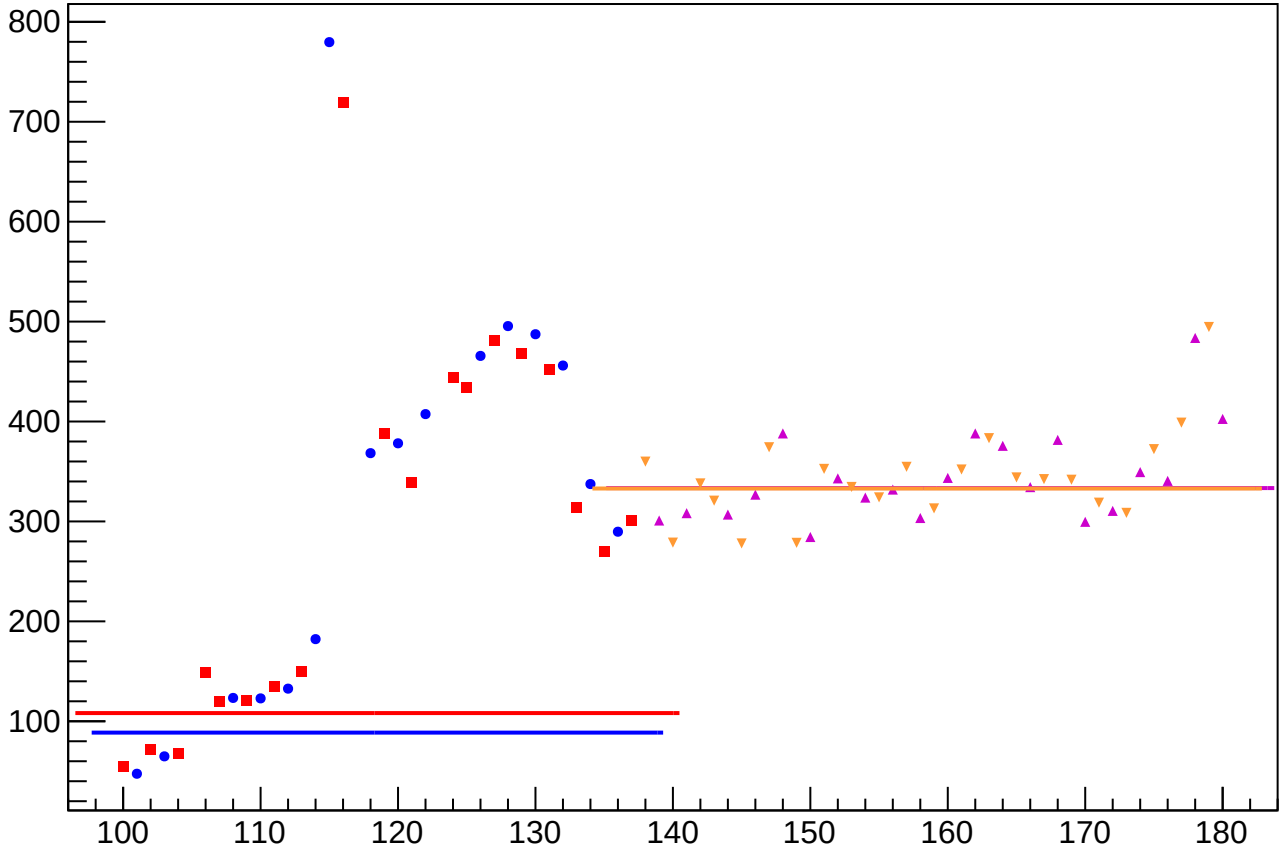
Left In: -29.167+/-81.158 χ^2/NDF:29.8/20

+ sign -8.553+/-40.266 χ^2/NDF: 43.6/37

All: 0.988+/-29.302 χ^2/NDF: 91.9/77

- 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: 332.952+/-0.057 χ^2/NDF:523584.9/21

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

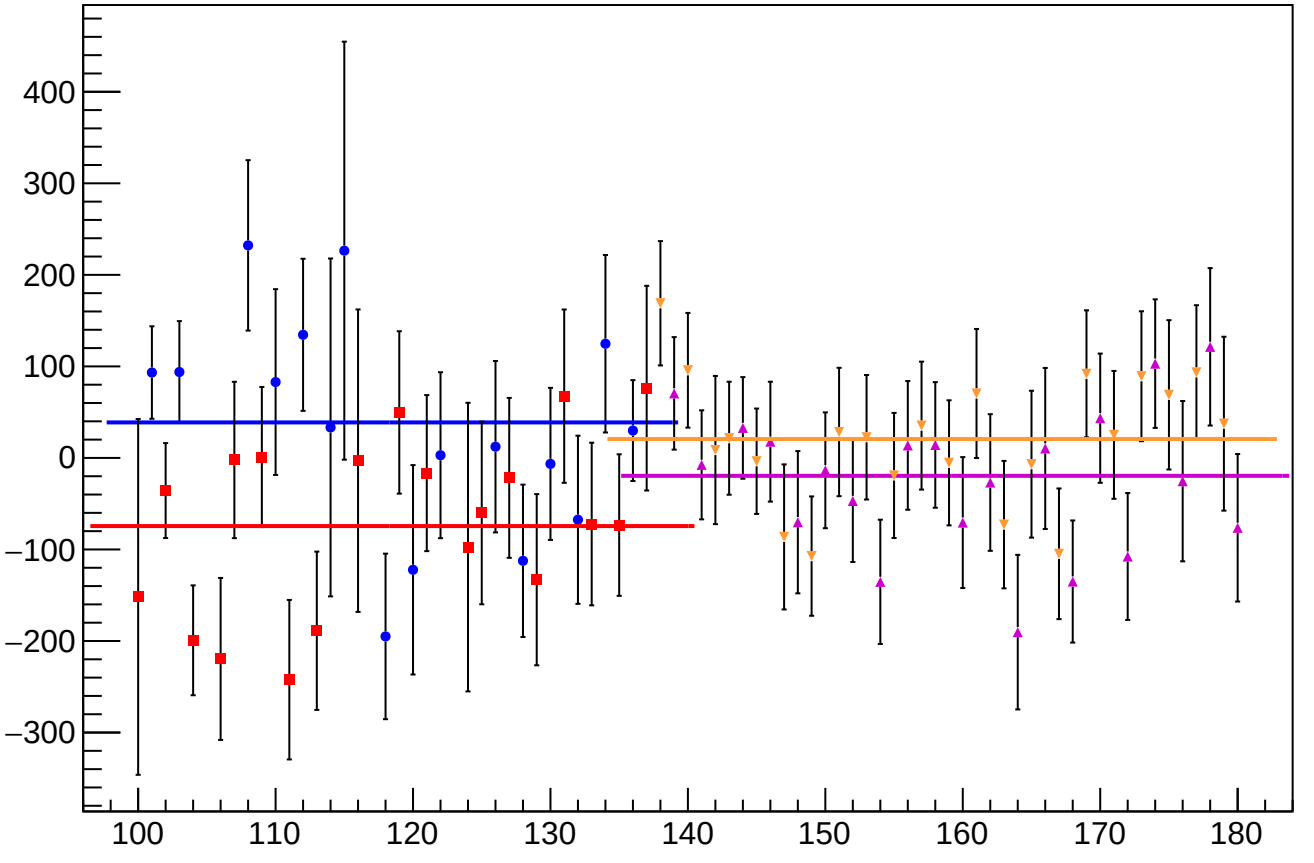
Left In: 333.379+/-0.057 χ^2/NDF:465500.0/20

+ sign 149.590+/-0.028 χ^2/NDF: 20954310.0/37

All: 159.476+/-0.021 χ^2/NDF: 38160235.1/77

- 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: 20.631+/-14.985 χ^2/NDF:21.5/21

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

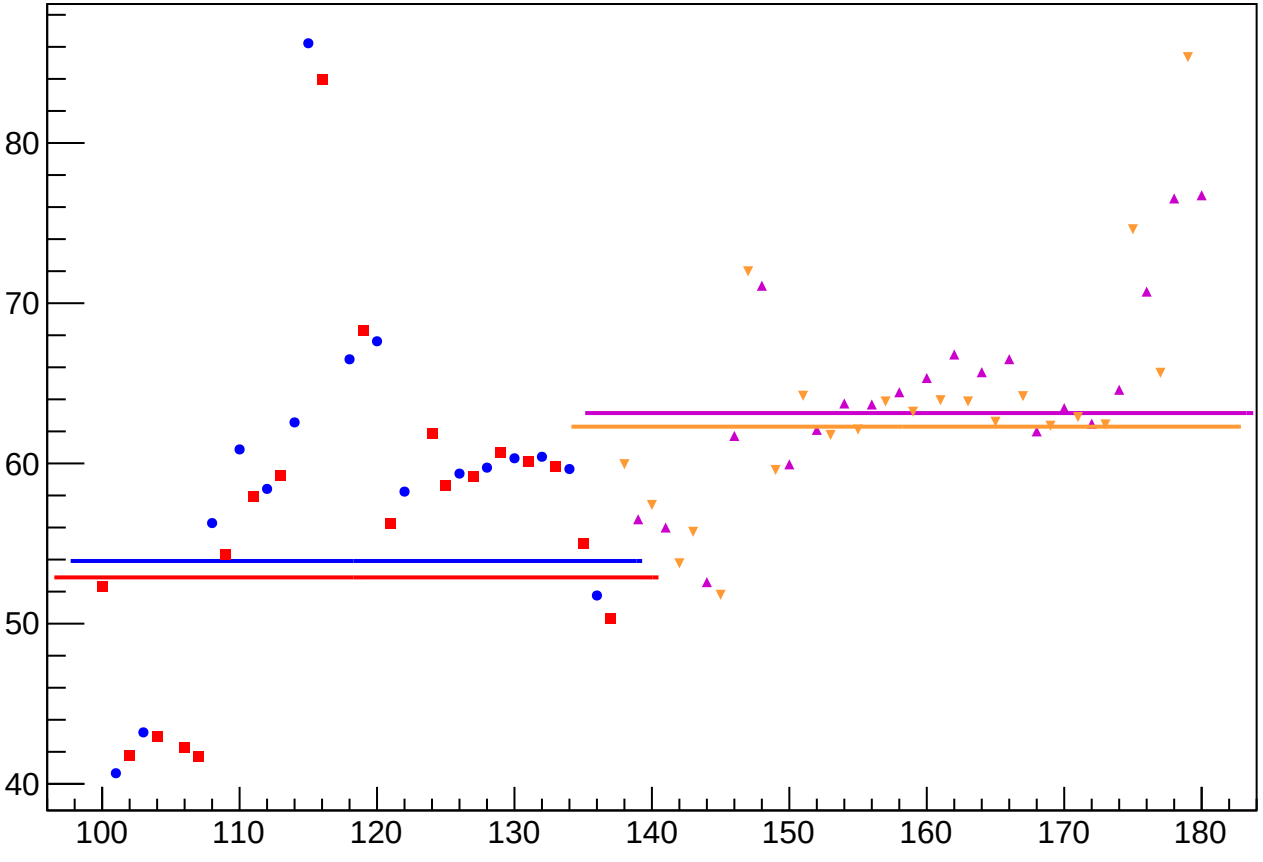
Left In: -19.547+/-15.290 χ^2/NDF:23.8/20

+ sign 26.991+/-12.080 χ^2/NDF: 45.3/37

All: -6.466+/-8.550 χ^2/NDF: 111.6/77

- 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: 62.295+/-0.011 χ^2/NDF:333669.8/21

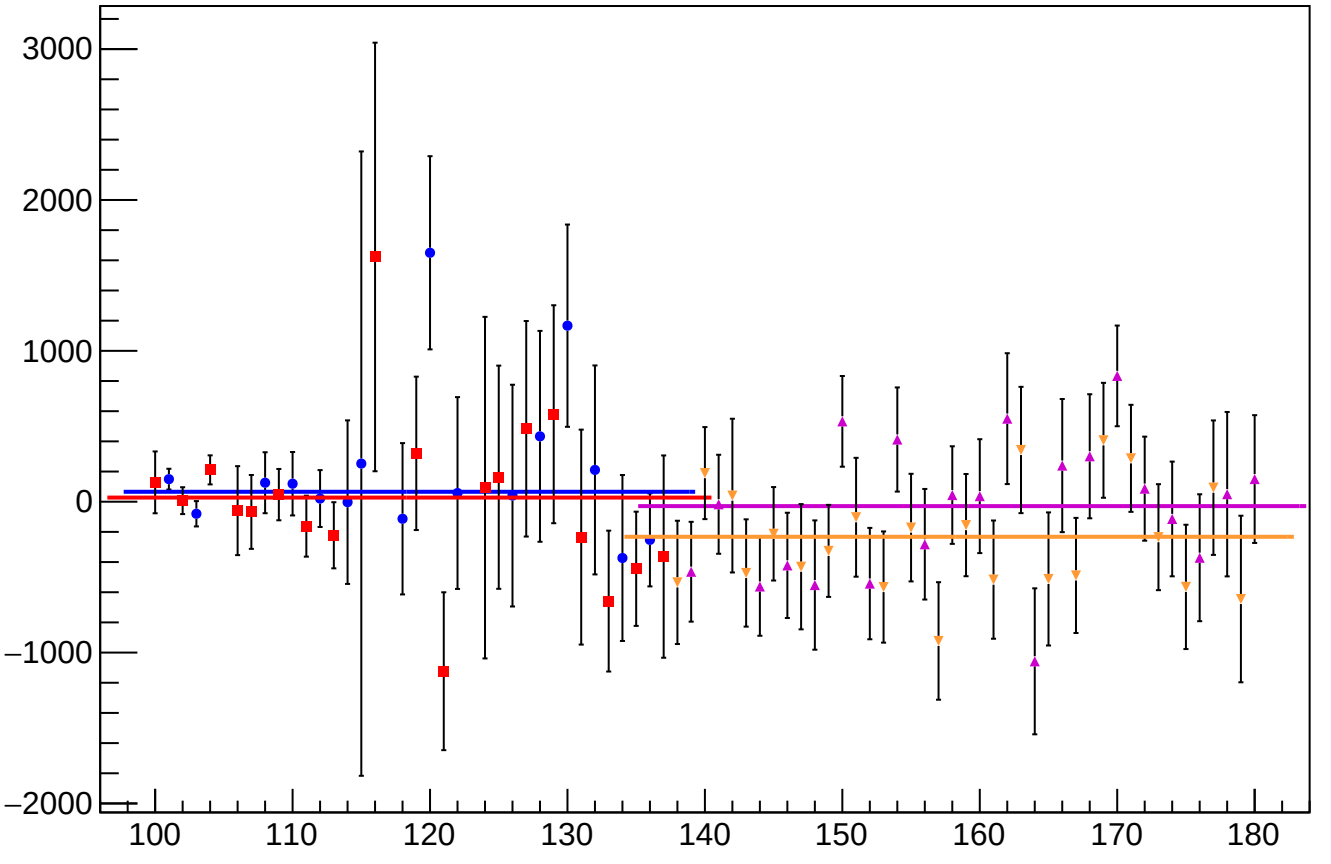
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.144+/-0.011 χ^2/NDF:286356.5/20

+ sign 59.359+/-0.009 χ^2/NDF: 946077.9/37

All: 59.336+/-0.006 χ^2/NDF: 1994150.8/77

- 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: -232.463+/-80.624 χ^2/NDF:17.7/21

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

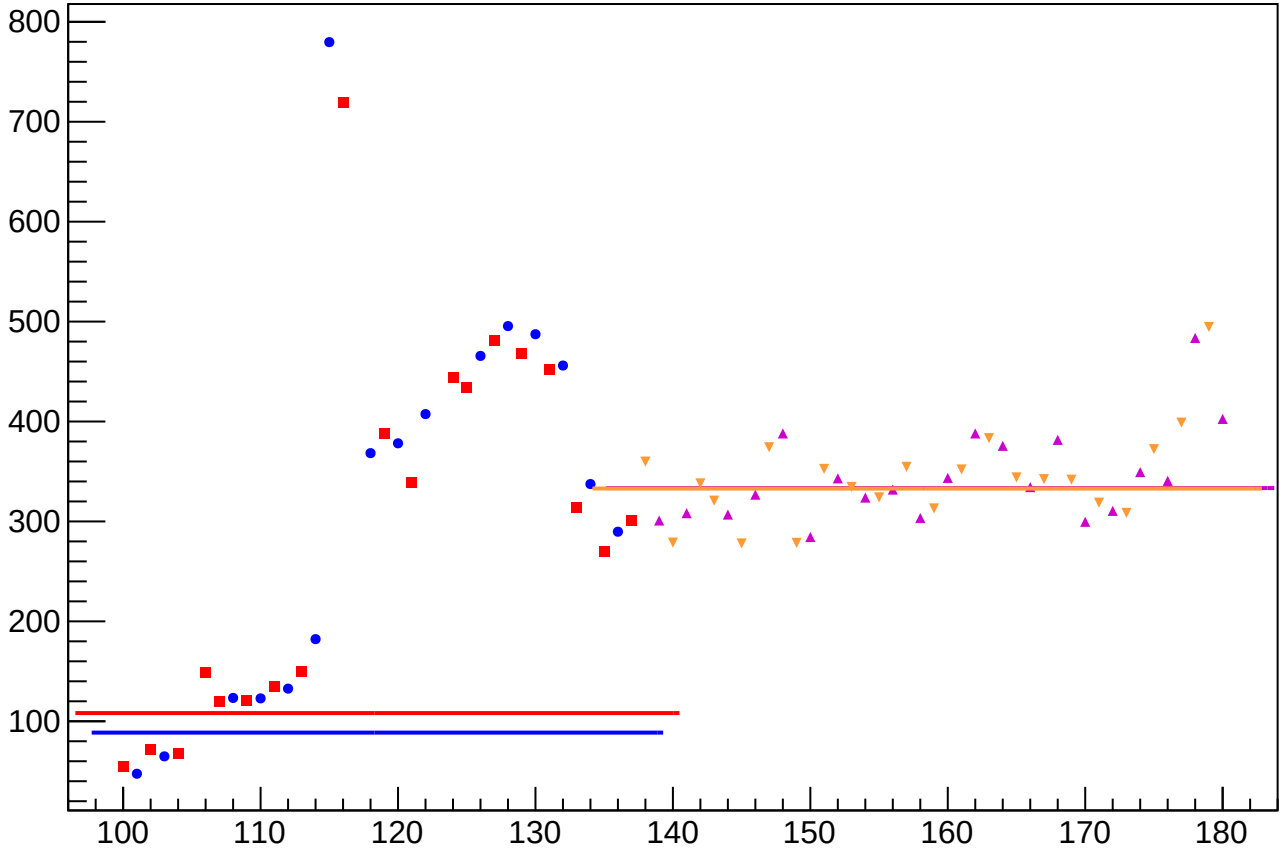
Left In: -29.167+/-81.158 χ^2/NDF:29.8/20

+ sign -8.553+/-40.266 χ^2/NDF: 43.6/37

All: 0.988+/-29.302 χ^2/NDF: 91.9/77

- 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: 332.952+/-0.057 χ^2/NDF:523584.9/21

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

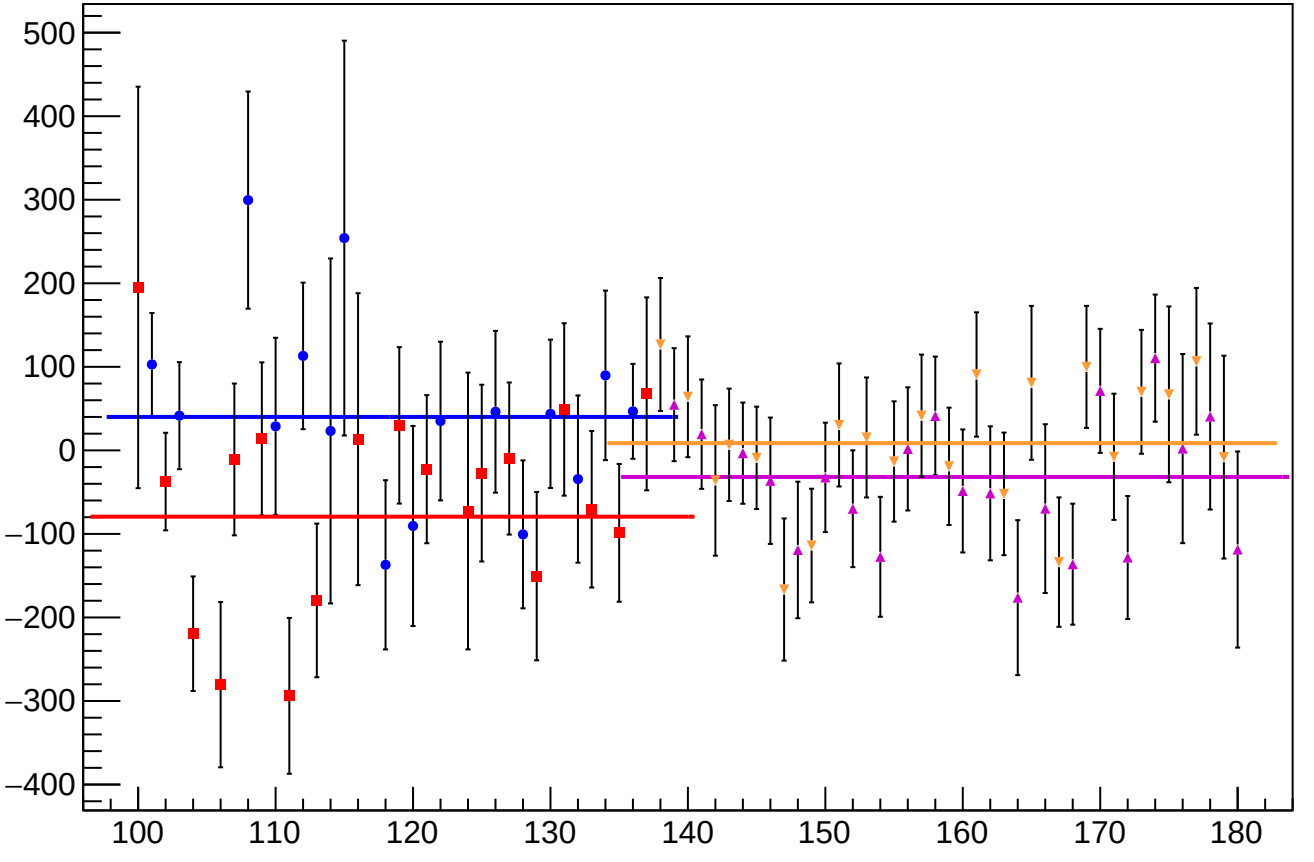
Left In: 333.379+/-0.057 χ^2/NDF:465500.0/20

+ sign 149.590+/-0.028 χ^2/NDF: 20954310.0/37

All: 159.476+/-0.021 χ^2/NDF: 38160235.1/77

- sign 170.604+/-0.030 χ^2/NDF: 16949674.0/39

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.687+/-16.312 χ^2/NDF:20.9/21

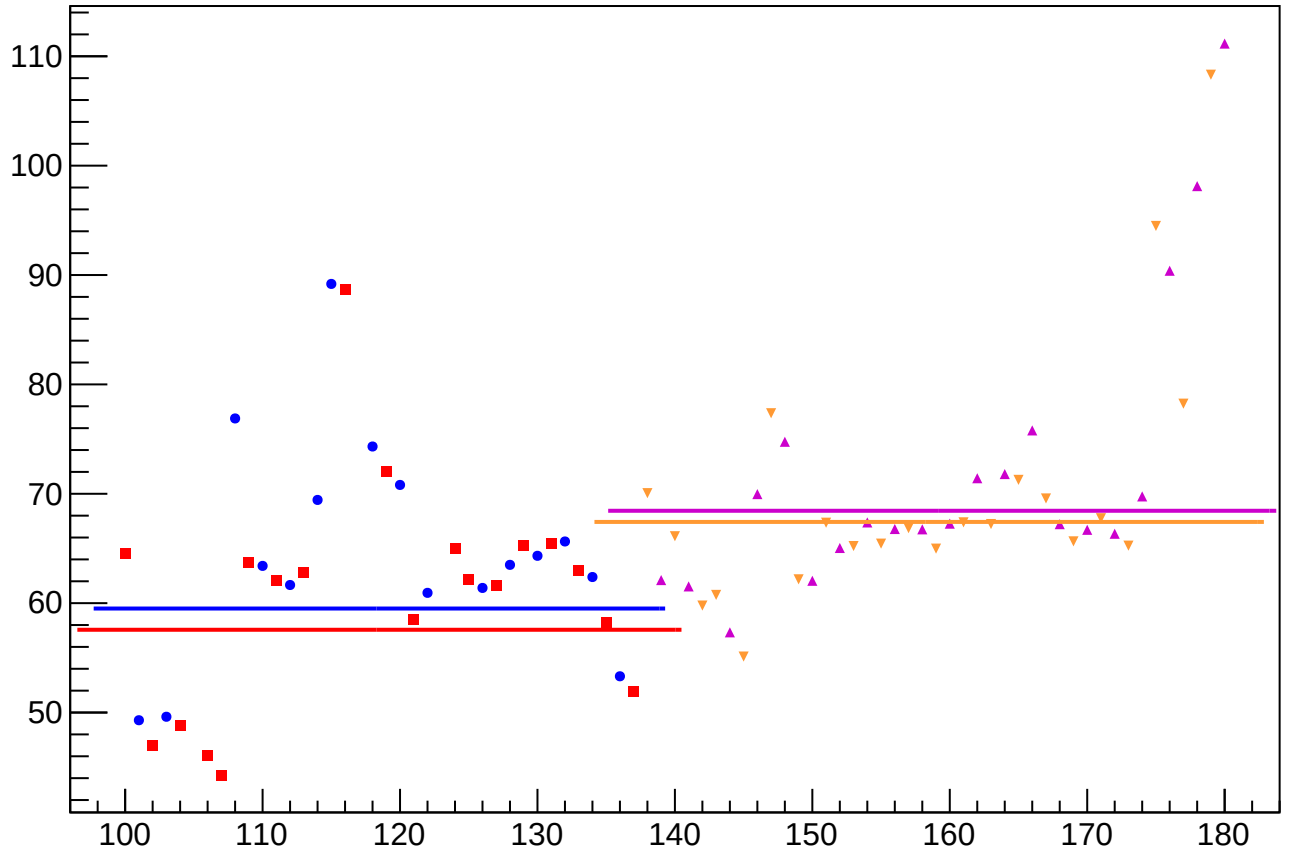
Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -31.809+/-16.719 χ^2/NDF:19.9/20

+ sign 19.477+/-13.210 χ^2/NDF: 36.3/37

All: -15.073+/-9.343 χ^2/NDF: 97.8/77

- sign -49.655+/-13.216 χ^2/NDF: 47.8/39



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 67.427+/-0.012 χ^2/NDF:560151.4/21

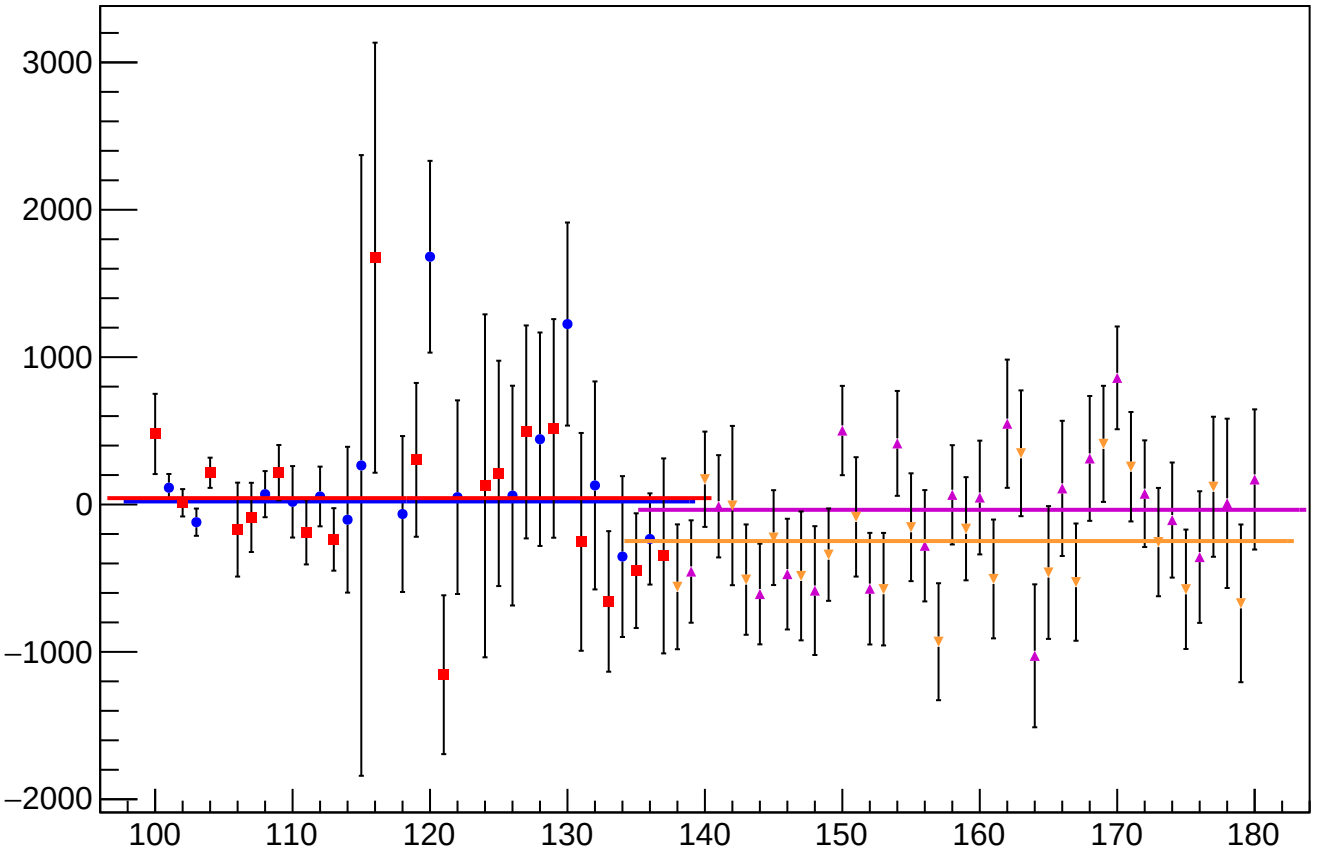
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 68.446+/-0.012 χ^2/NDF:648781.7/20

\+ sign 64.701+/-0.009 χ^2/NDF: 1005566.4/37

All: 64.533+/-0.007 χ^2/NDF: 2320093.7/77

\- 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: -248.005+/-83.416 χ^2/NDF:16.9/21

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

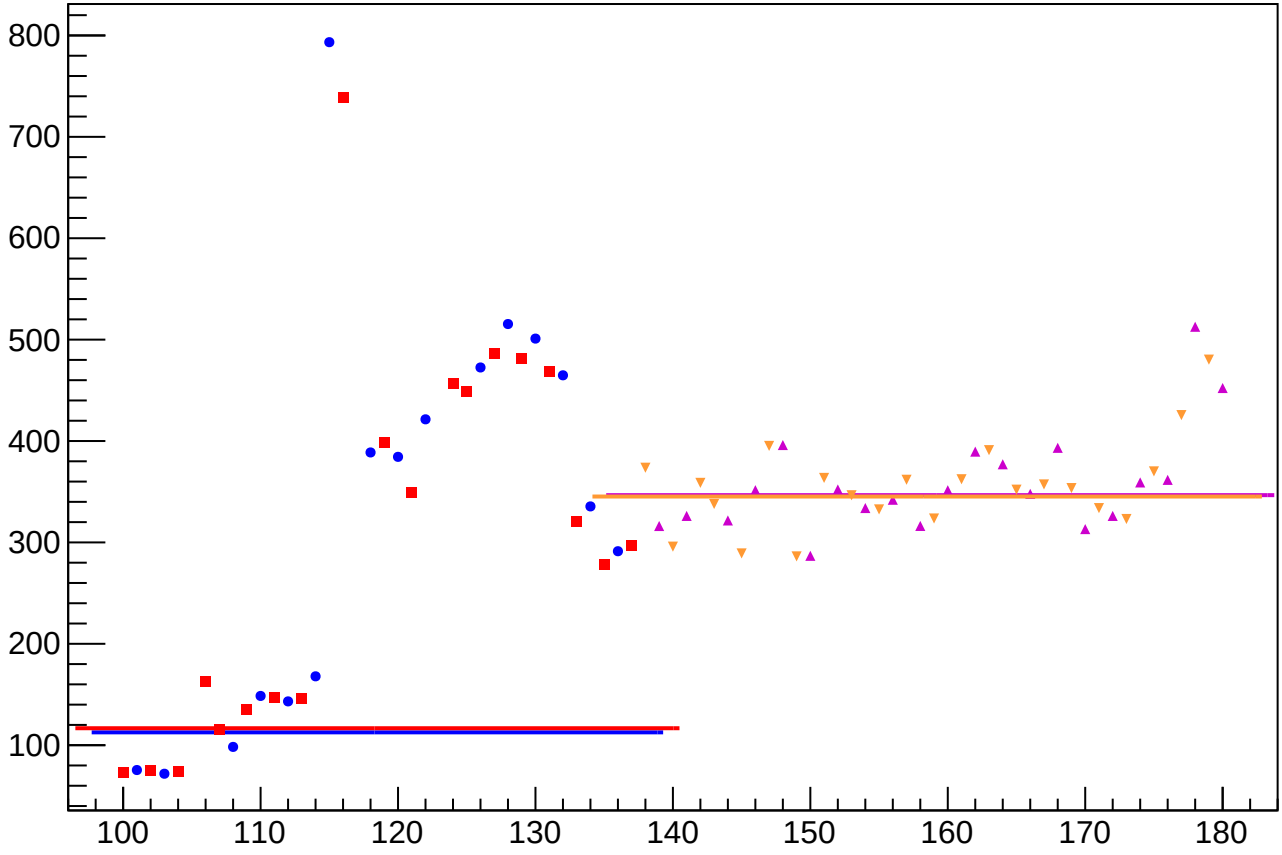
Left In: -35.972+/-84.362 χ^2/NDF:28.7/20

+ sign -57.693+/-45.084 χ^2/NDF: 38.8/37

All: -18.422+/-31.852 χ^2/NDF: 91.2/77

- 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: 345.258+/-0.059 χ^2/NDF:464147.0/21

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

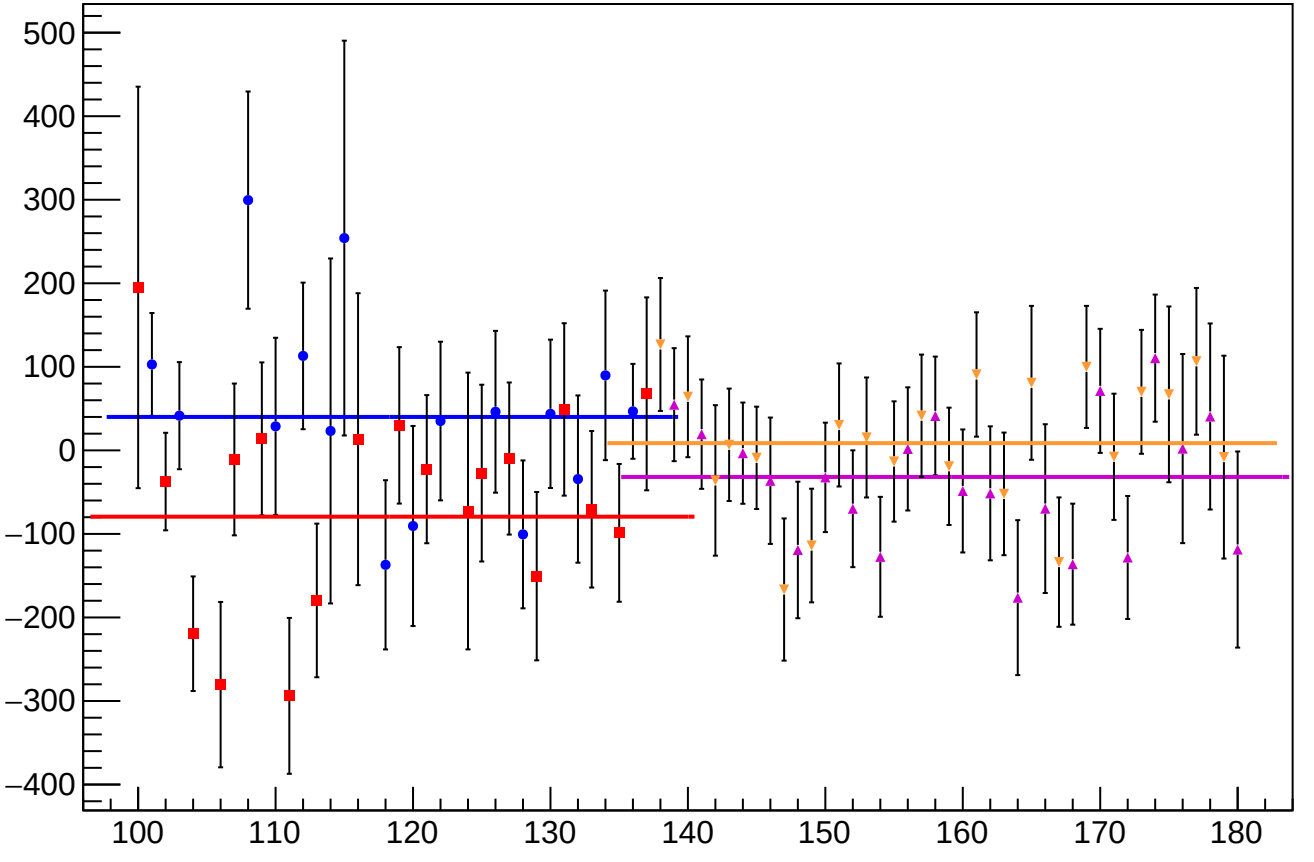
Left In: 346.608+/-0.060 χ^2/NDF:503397.9/20

+ sign 180.611+/-0.032 χ^2/NDF: 17070891.2/37

All: 181.385+/-0.023 χ^2/NDF: 33340319.6/77

- 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: 8.688+/-16.312 χ^2/NDF:20.9/21

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

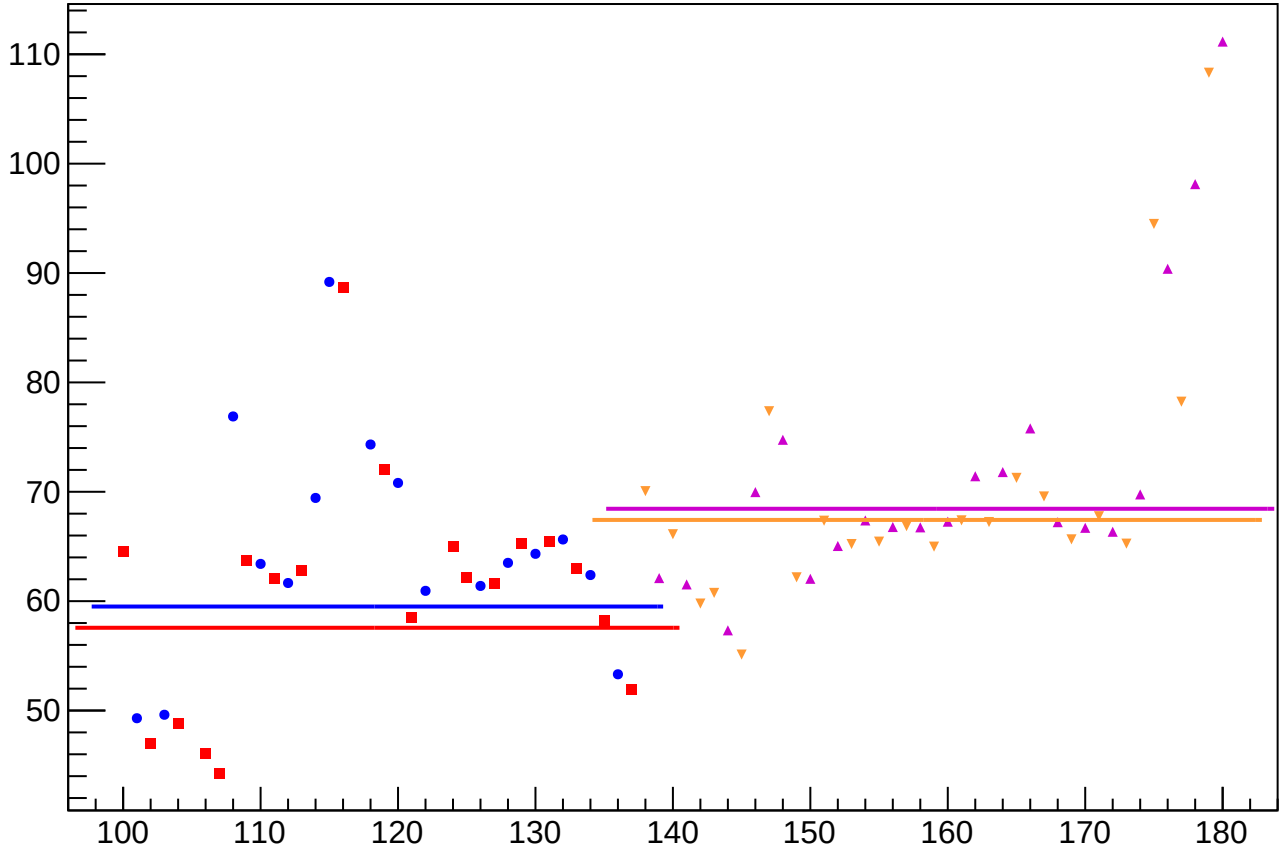
Left In: -31.809+/-16.719 χ^2/NDF:19.9/20

+ sign 19.477+/-13.210 χ^2/NDF: 36.3/37

All: -15.073+/-9.343 χ^2/NDF: 97.8/77

- 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: 67.427+/-0.012 χ^2/NDF:560140.0/21

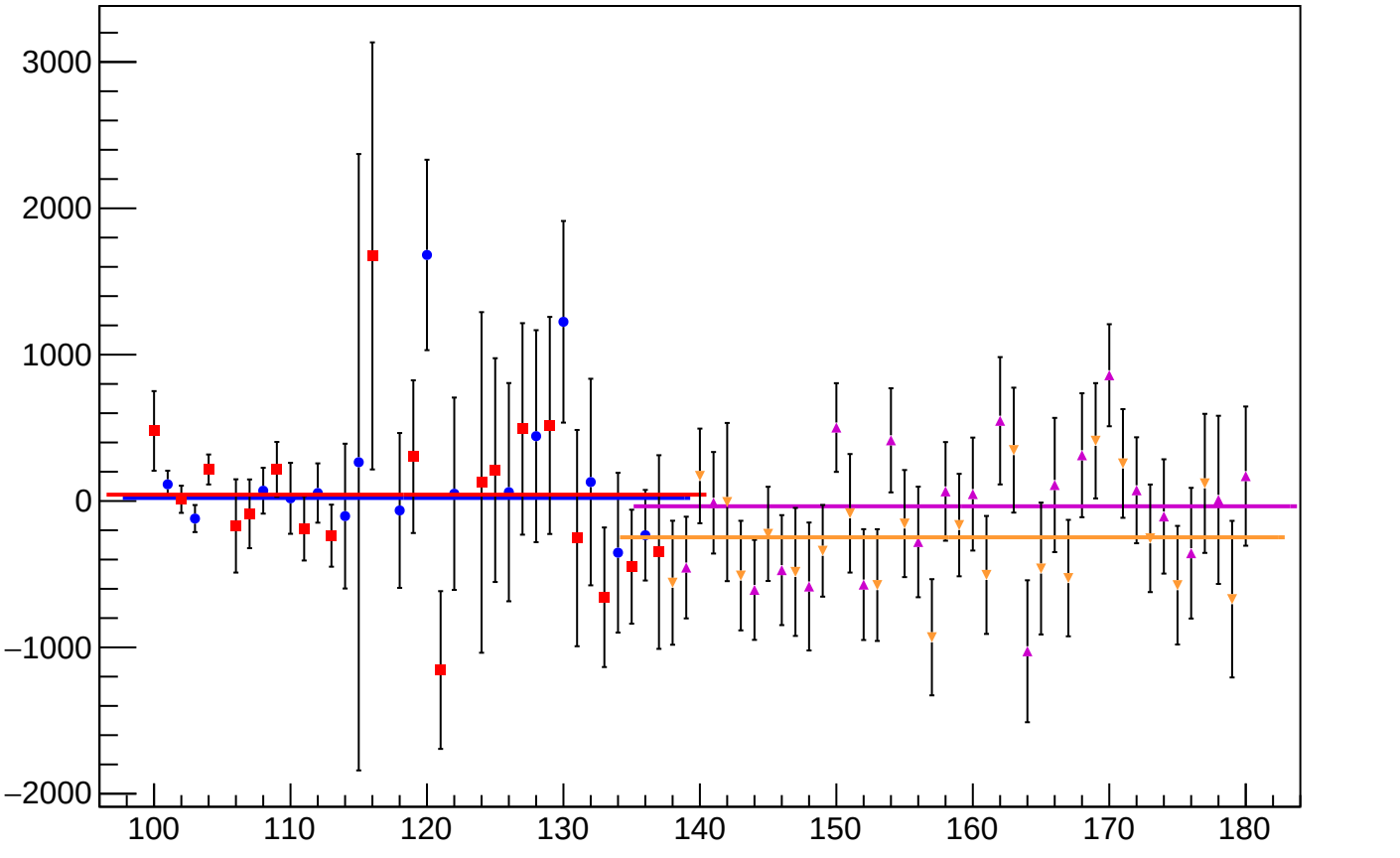
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 68.447+/-0.012 χ^2/NDF:648767.4/20

+ sign 64.701+/-0.009 χ^2/NDF: 1005560.1/37

All: 64.533+/-0.007 χ^2/NDF: 2320082.3/77

- 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: -248.004+/-83.417 χ^2/NDF:16.9/21

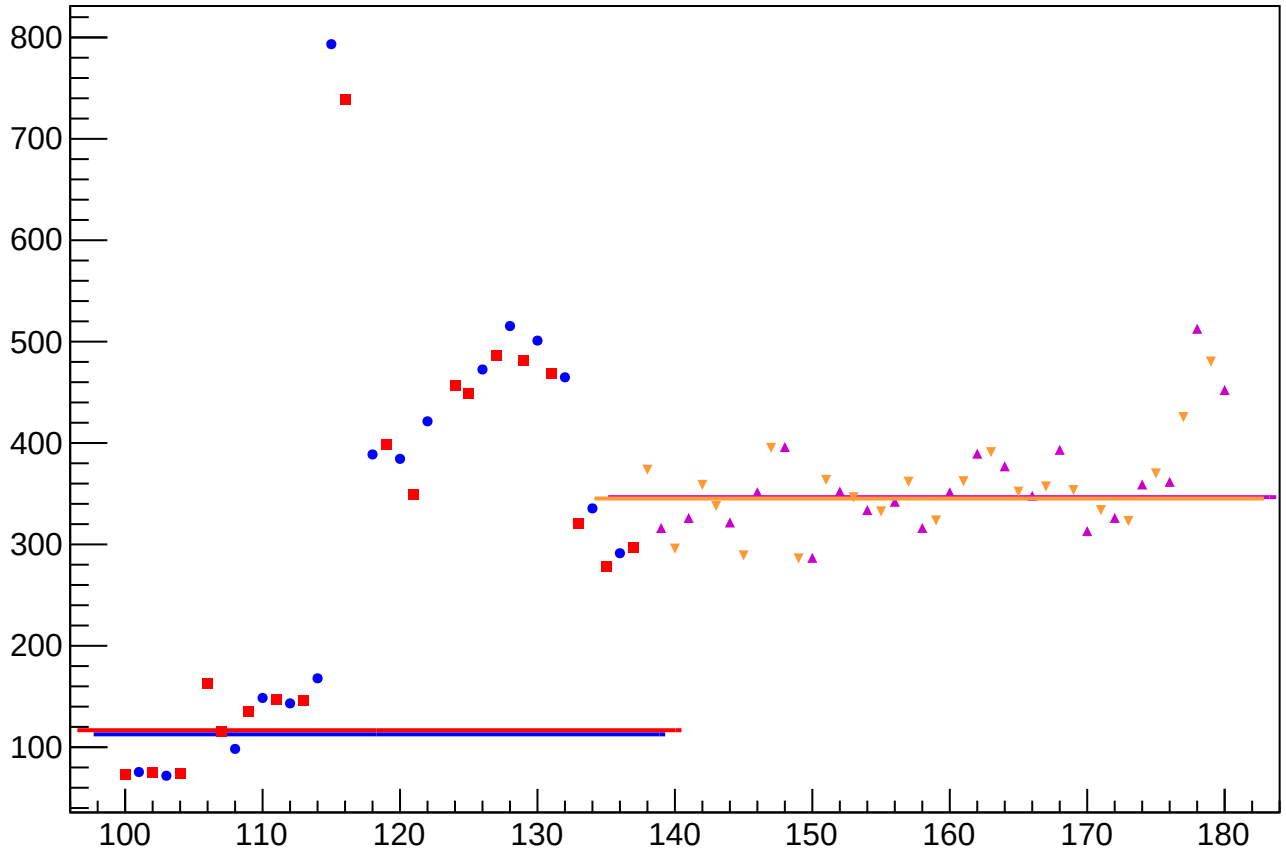
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -35.972+/-84.362 χ^2/NDF:28.7/20

+ sign -57.693+/-45.084 χ^2/NDF: 38.8/37

All: -18.422+/-31.852 χ^2/NDF: 91.2/77

- sign 20.712+/-45.006 χ^2/NDF: 50.8/39



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 345.259+/-0.059 χ^2/NDF:464142.1/21

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

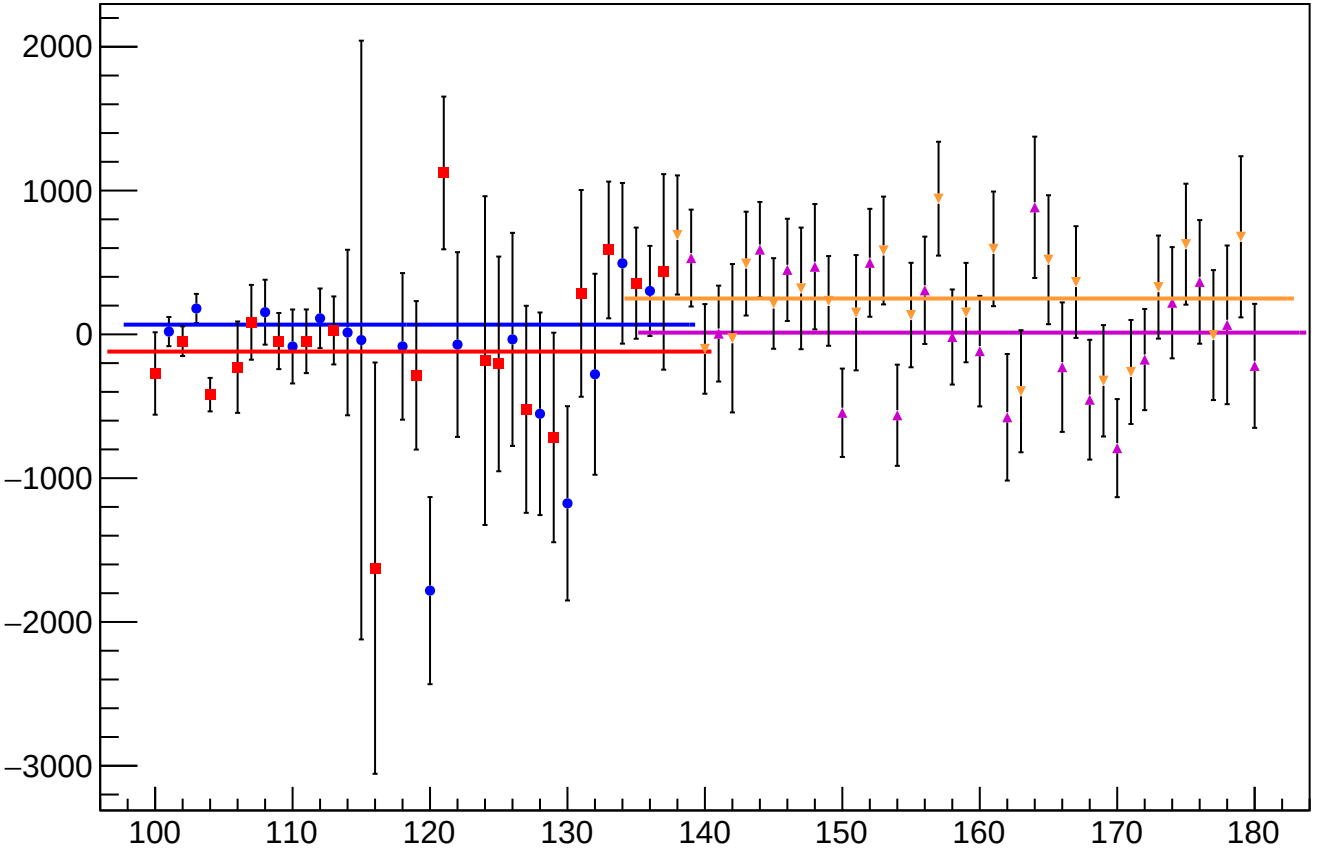
Left In: 346.609+/-0.060 χ^2/NDF:503391.7/20

+ sign 180.610+/-0.032 χ^2/NDF: 17070951.2/37

All: 181.384+/-0.023 χ^2/NDF: 33340456.5/77

- 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: 249.425+/-82.074 χ^2/NDF:16.7/21

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

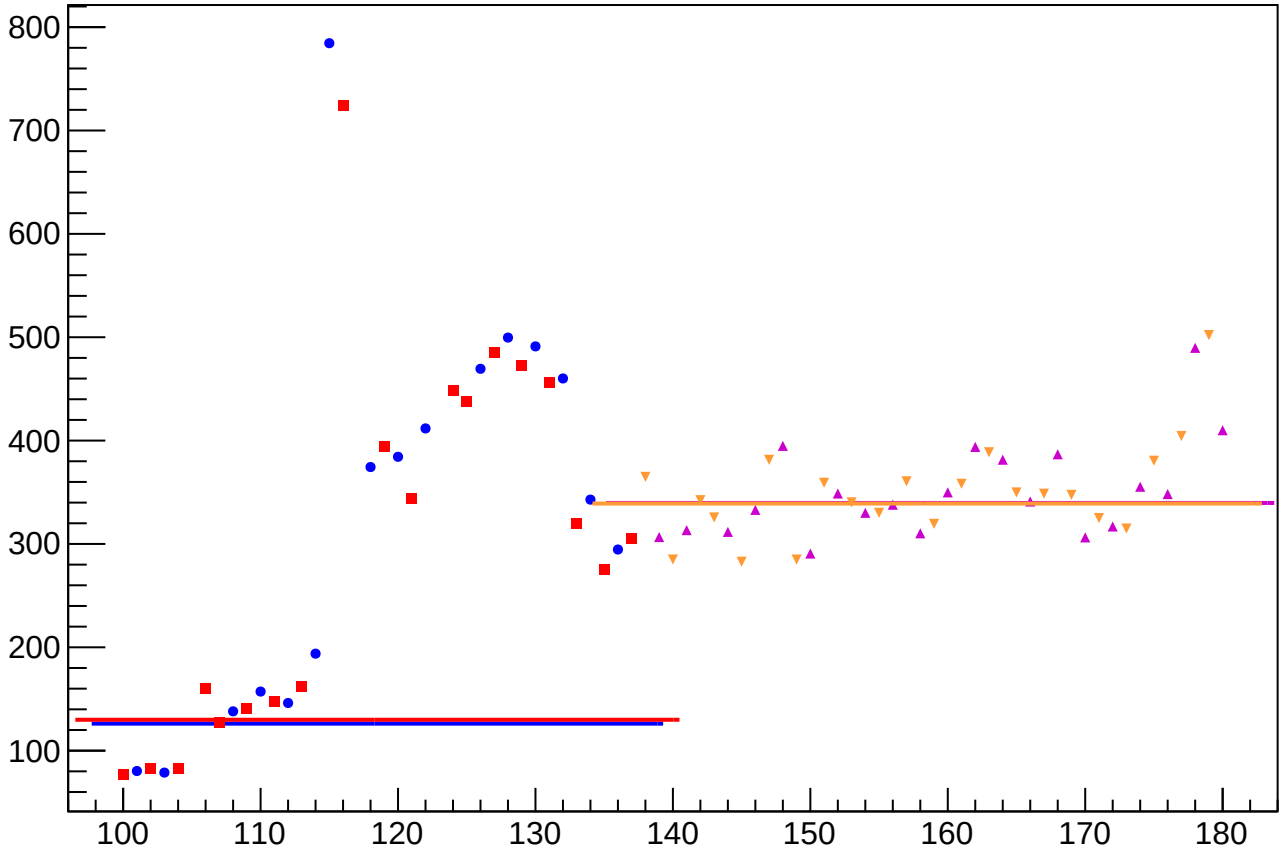
Left In: 12.132+/-82.654 χ^2/NDF:29.9/20

+ sign 129.796+/-47.997 χ^2/NDF: 35.7/37

All: 25.597+/-33.742 χ^2/NDF: 97.8/77

- 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: 339.089+/-0.058 χ^2/NDF:511601.0/21

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

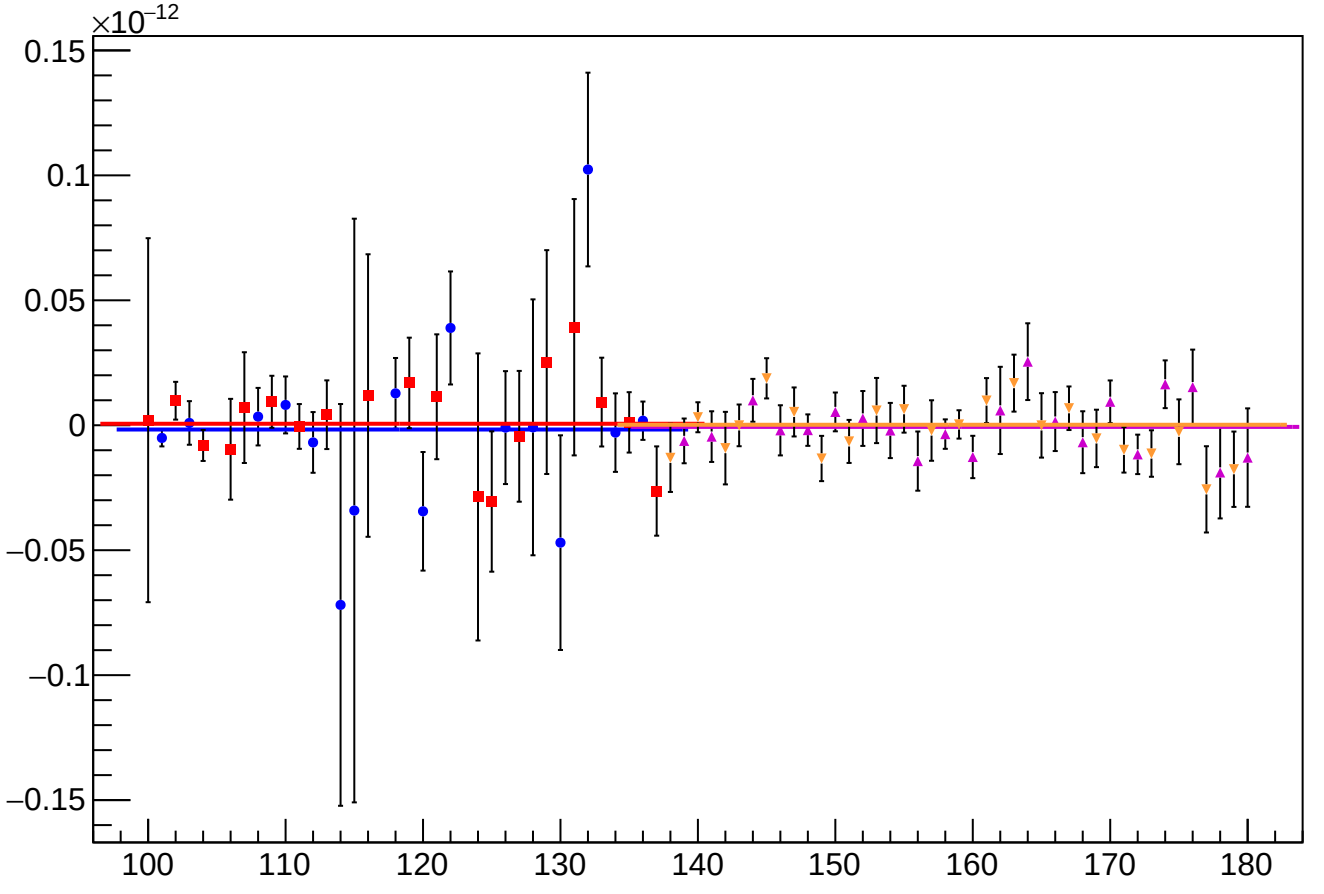
Left In: 339.654+/-0.058 χ^2/NDF:452504.0/20

+ sign 198.975+/-0.034 χ^2/NDF: 14589948.7/37

All: 198.999+/-0.024 χ^2/NDF: 28325108.1/77

- sign 199.022+/-0.034 χ^2/NDF: 13735158.4/39

asym_sam_15_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:21.2/21

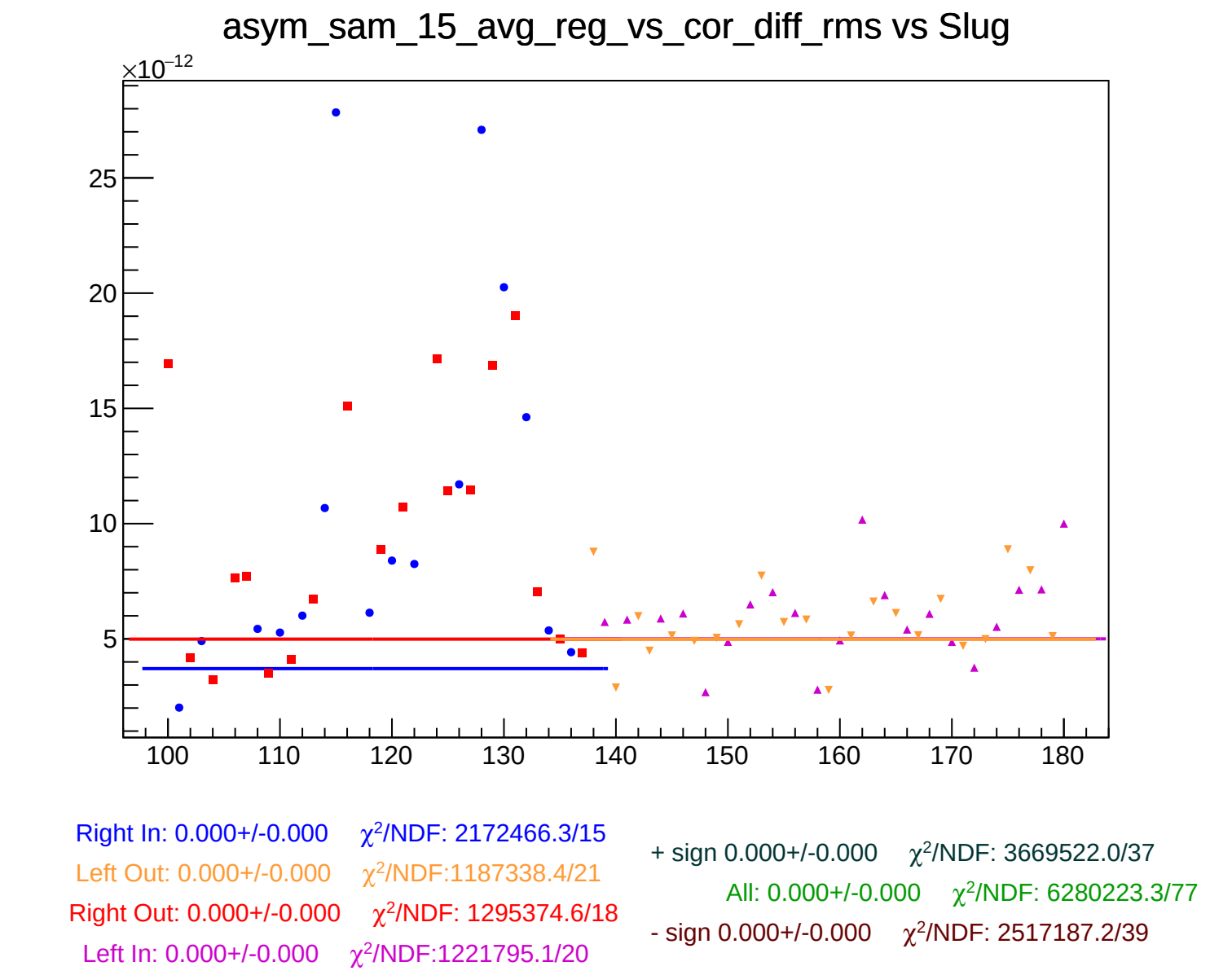
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/20

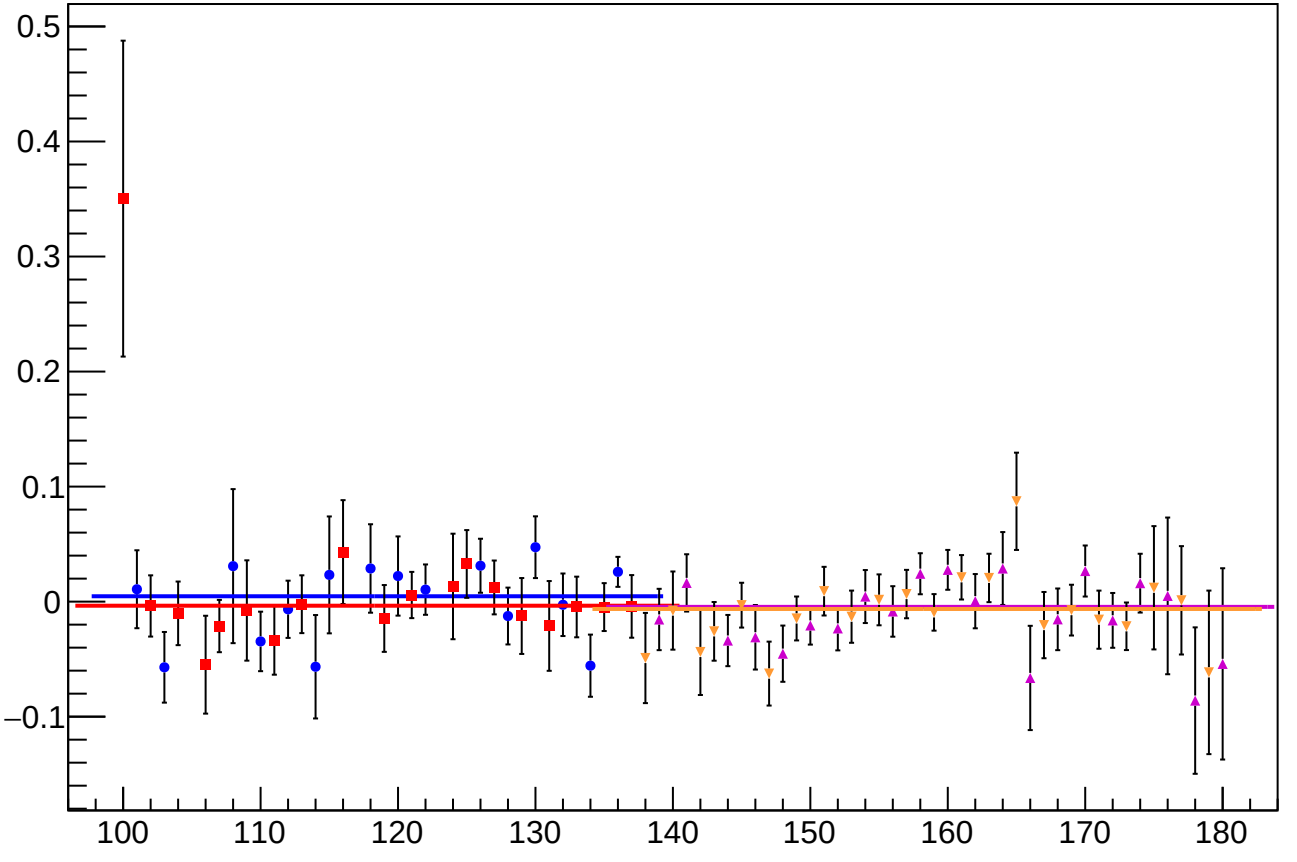
+ sign -0.000+/-0.000 χ^2/NDF: 39.3/37

All: -0.000+/-0.000 χ^2/NDF: 68.8/77

- 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:1187338.4/21
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: 3669522.0/37
All: 0.000+/-0.000 χ²/NDF: 6280223.3/77
- 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:18.5/21

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

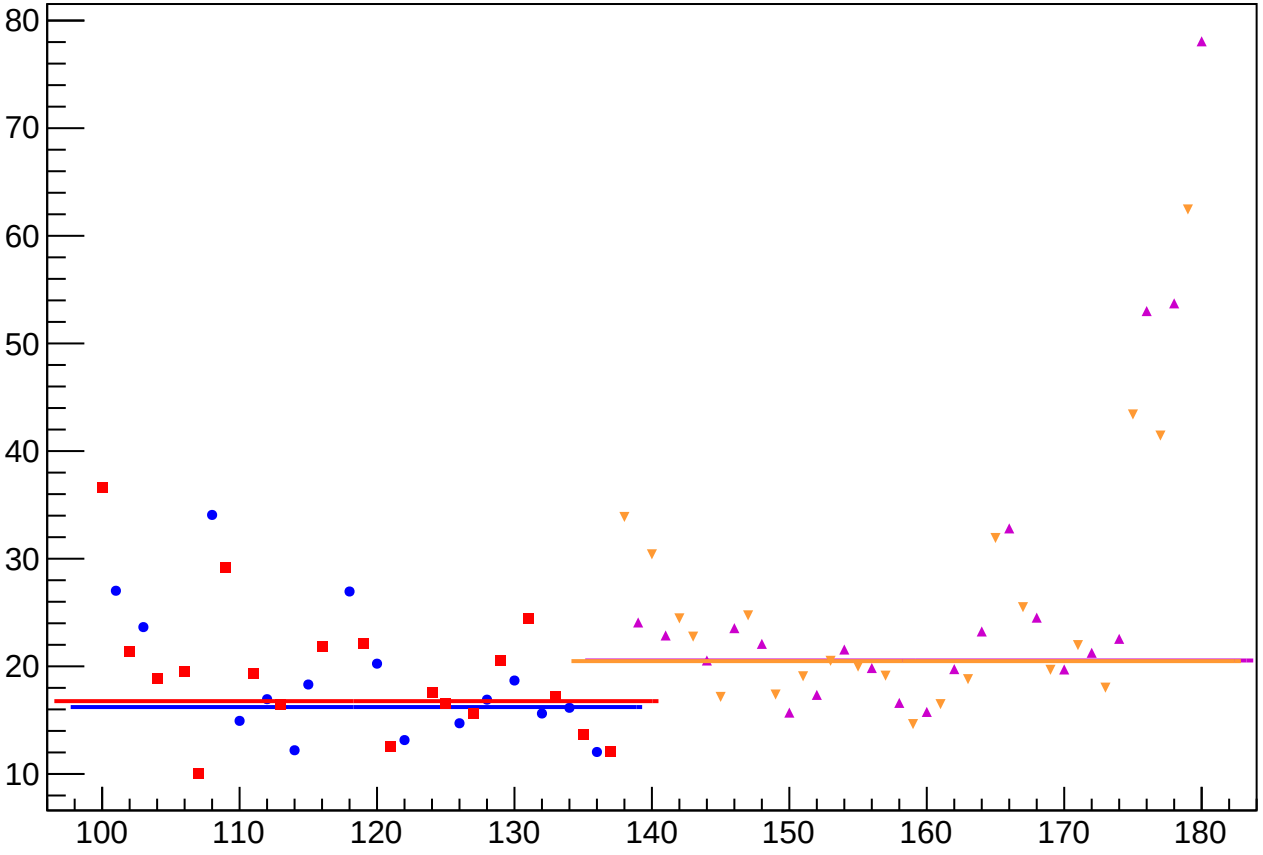
Left In: -0.005+/-0.005 χ^2/NDF:22.5/20

+ sign -0.002+/-0.004 χ^2/NDF: 41.6/37

All: -0.003+/-0.003 χ^2/NDF: 77.9/77

- 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: 20.485+/-0.004 χ^2/NDF:2692113.4/21

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

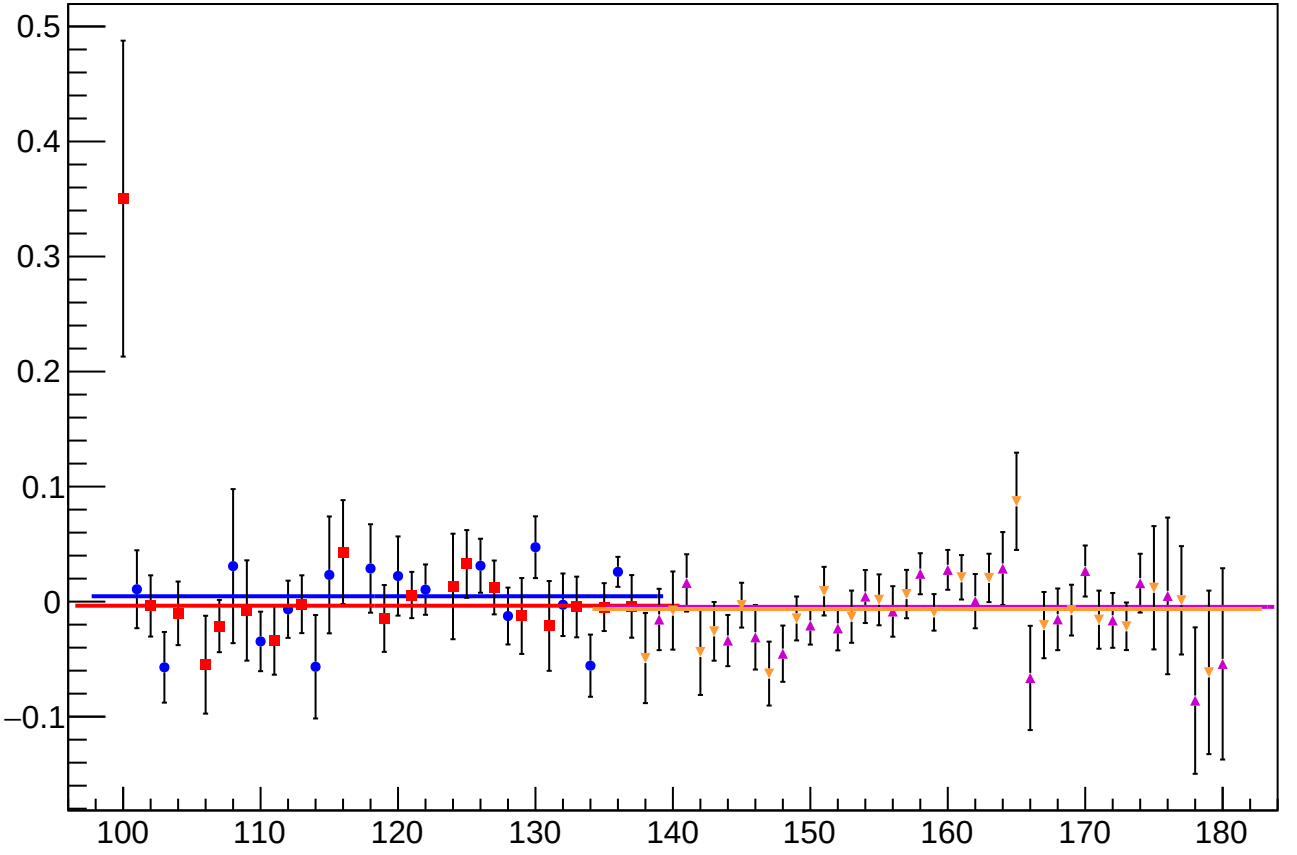
Left In: 20.543+/-0.004 χ^2/NDF:2744504.2/20

\+ sign 18.828+/-0.003 χ^2/NDF: 4153144.8/37

All: 18.944+/-0.002 χ^2/NDF: 8162925.7/77

\- sign 19.064+/-0.003 χ^2/NDF: 4006492.1/39

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

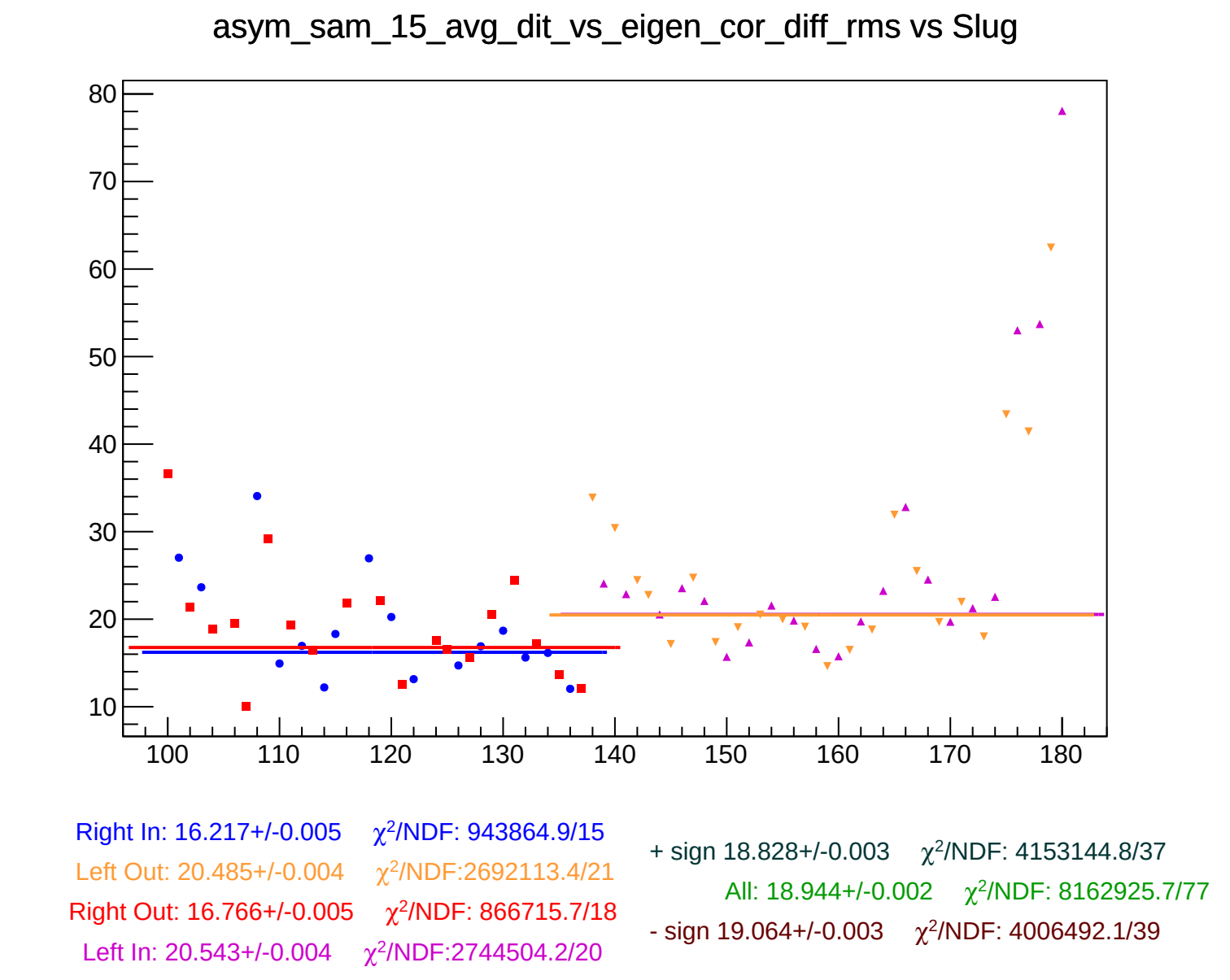
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

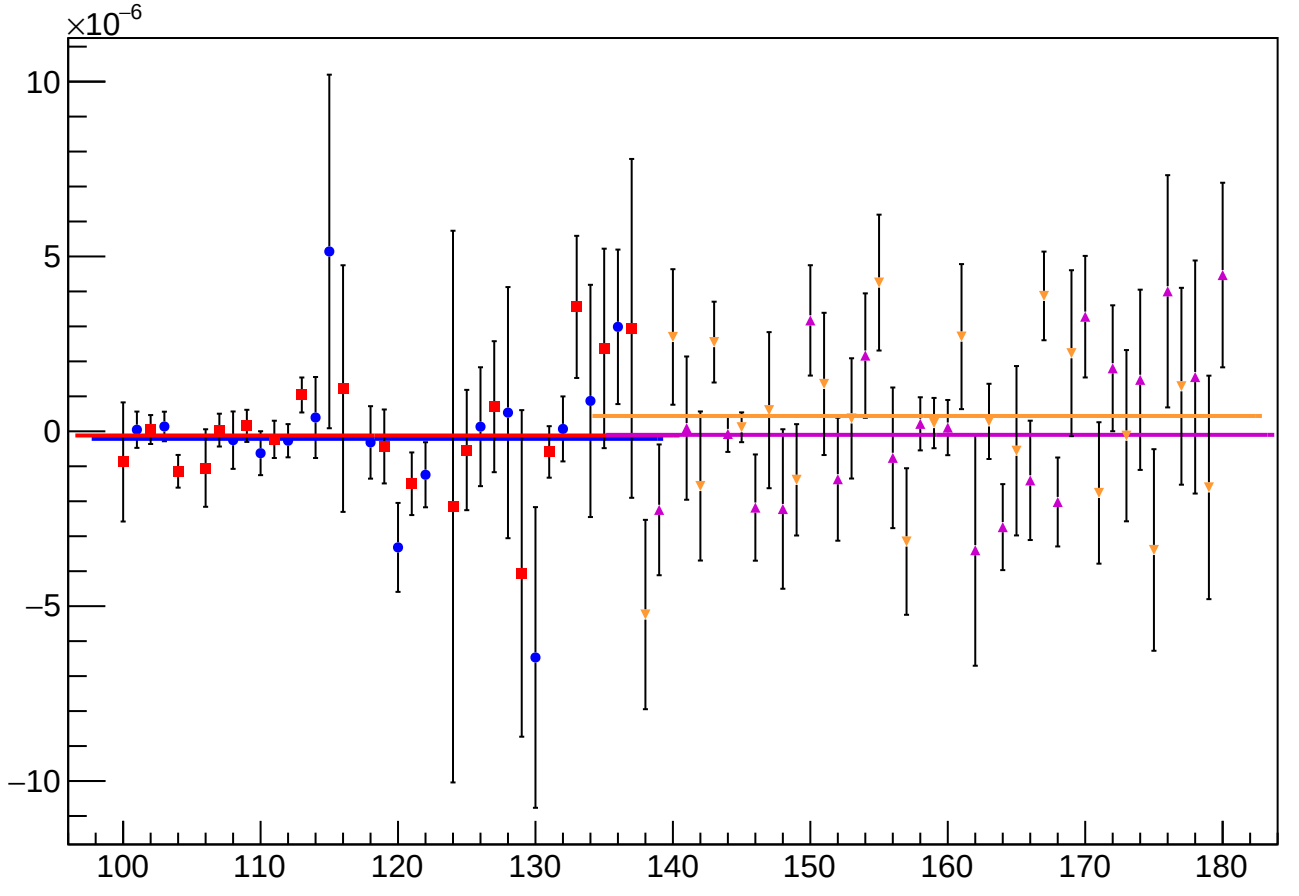
Left In: -0.005+/-0.005 χ^2/NDF:22.5/20

+ sign -0.002+/-0.004 χ^2/NDF: 41.6/37

All: -0.003+/-0.003 χ^2/NDF: 77.9/77

- sign -0.004+/-0.004 χ^2/NDF: 36.1/39


asym_sam_15_avg_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: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 20.485+/-0.004 χ²/NDF:2692113.4/21
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 20.543+/-0.004 χ²/NDF:2744504.2/20
+ sign 18.828+/-0.003 χ²/NDF: 4153144.8/37
All: 18.944+/-0.002 χ²/NDF: 8162925.7/77
- sign 19.064+/-0.003 χ²/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:31.8/21

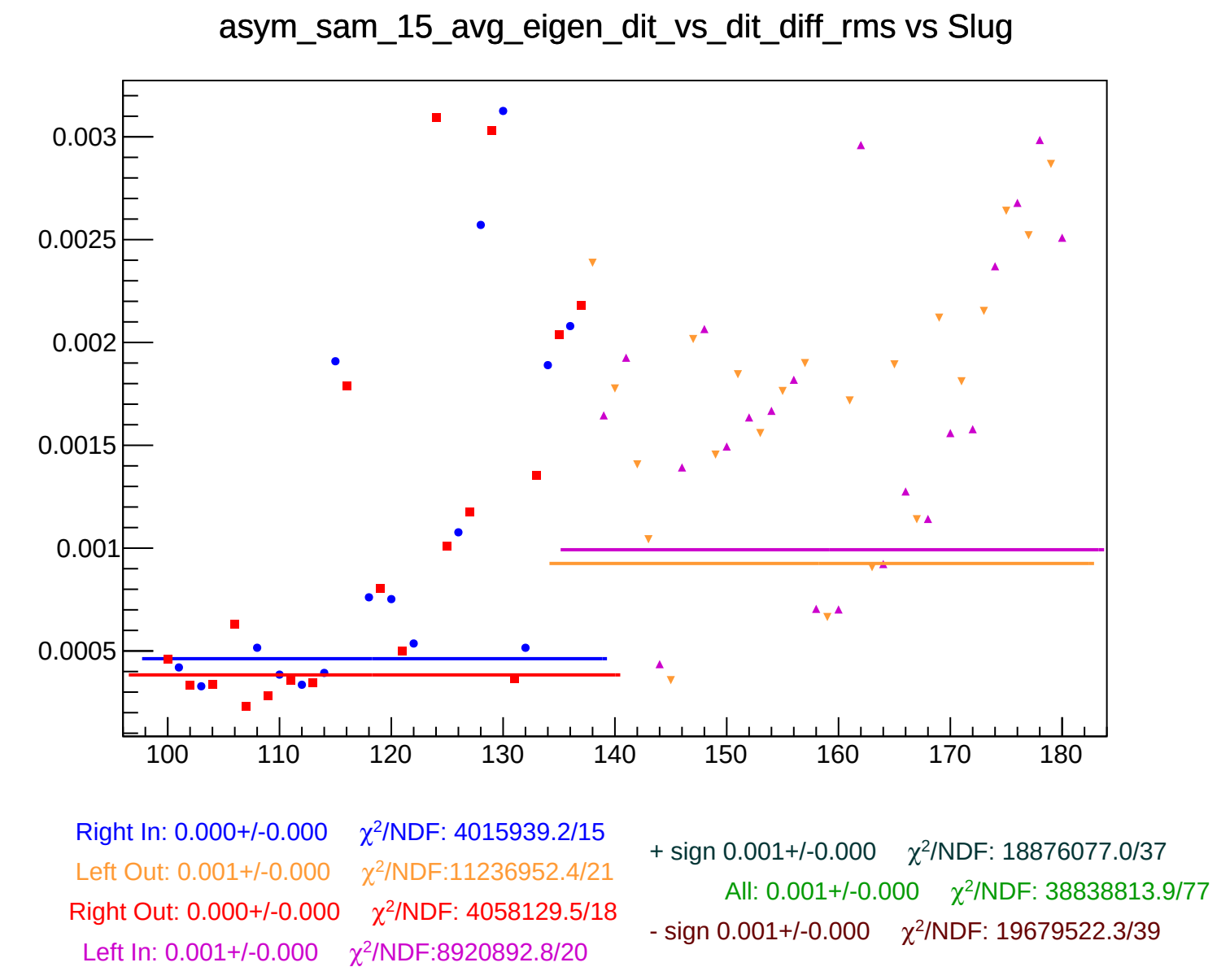
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

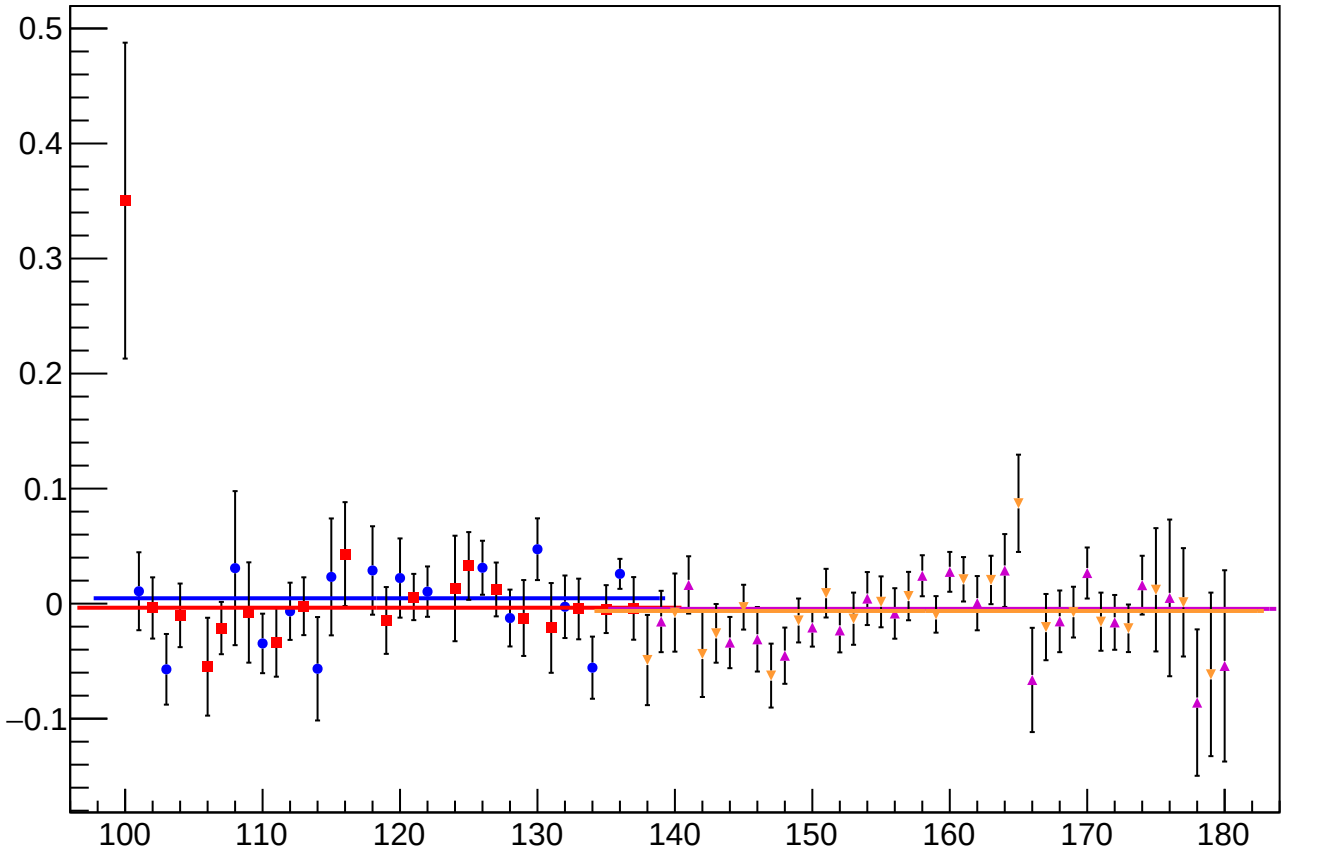
Left In: -0.000+/-0.000 χ^2/NDF:29.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 49.8/37

All: -0.000+/-0.000 χ^2/NDF: 99.8/77

- sign -0.000+/-0.000 χ^2/NDF: 49.6/39


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:11236952.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:8920892.8/20
+ sign 0.001+/-0.000 χ²/NDF: 18876077.0/37
All: 0.001+/-0.000 χ²/NDF: 38838813.9/77
- sign 0.001+/-0.000 χ²/NDF: 19679522.3/39



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

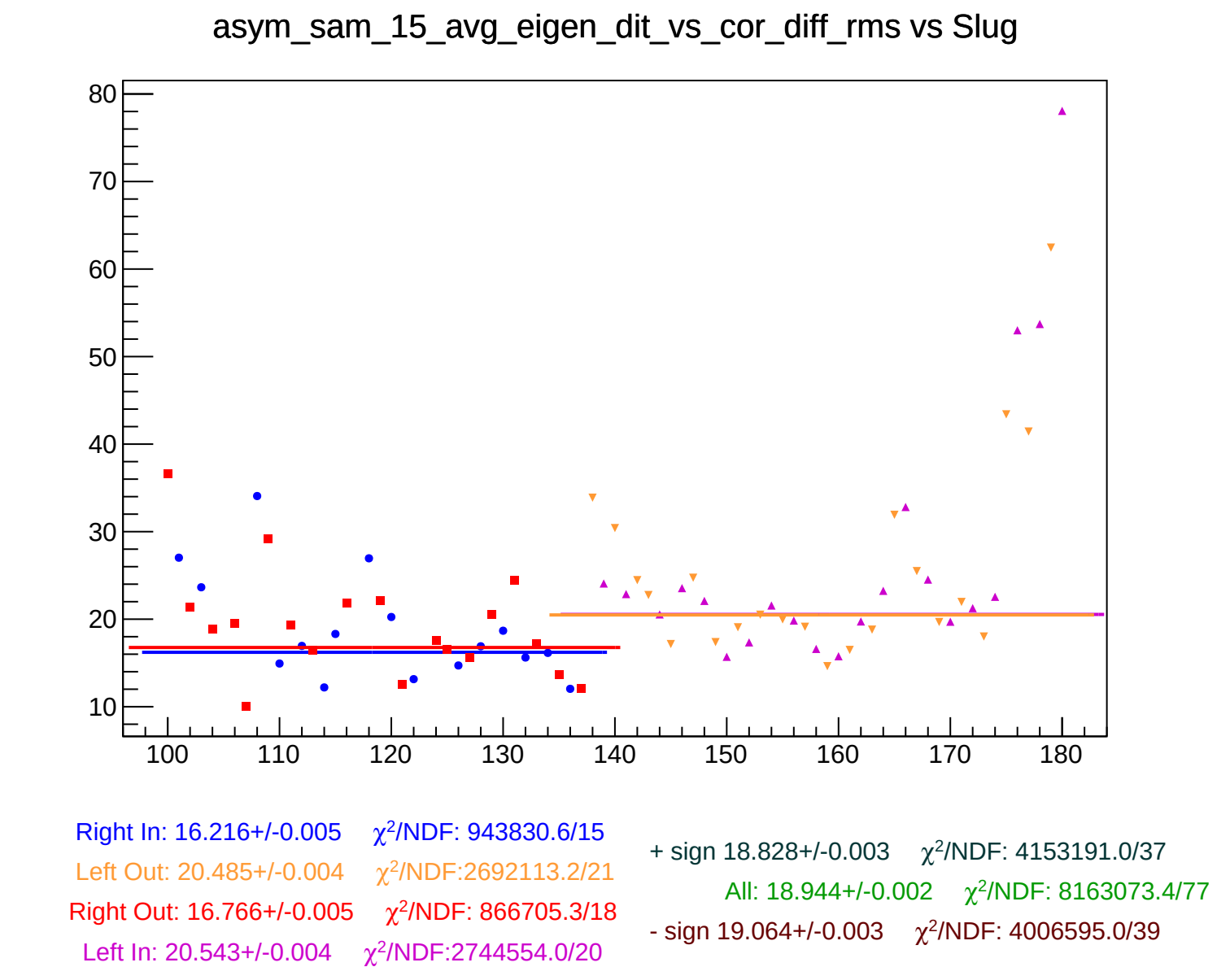
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

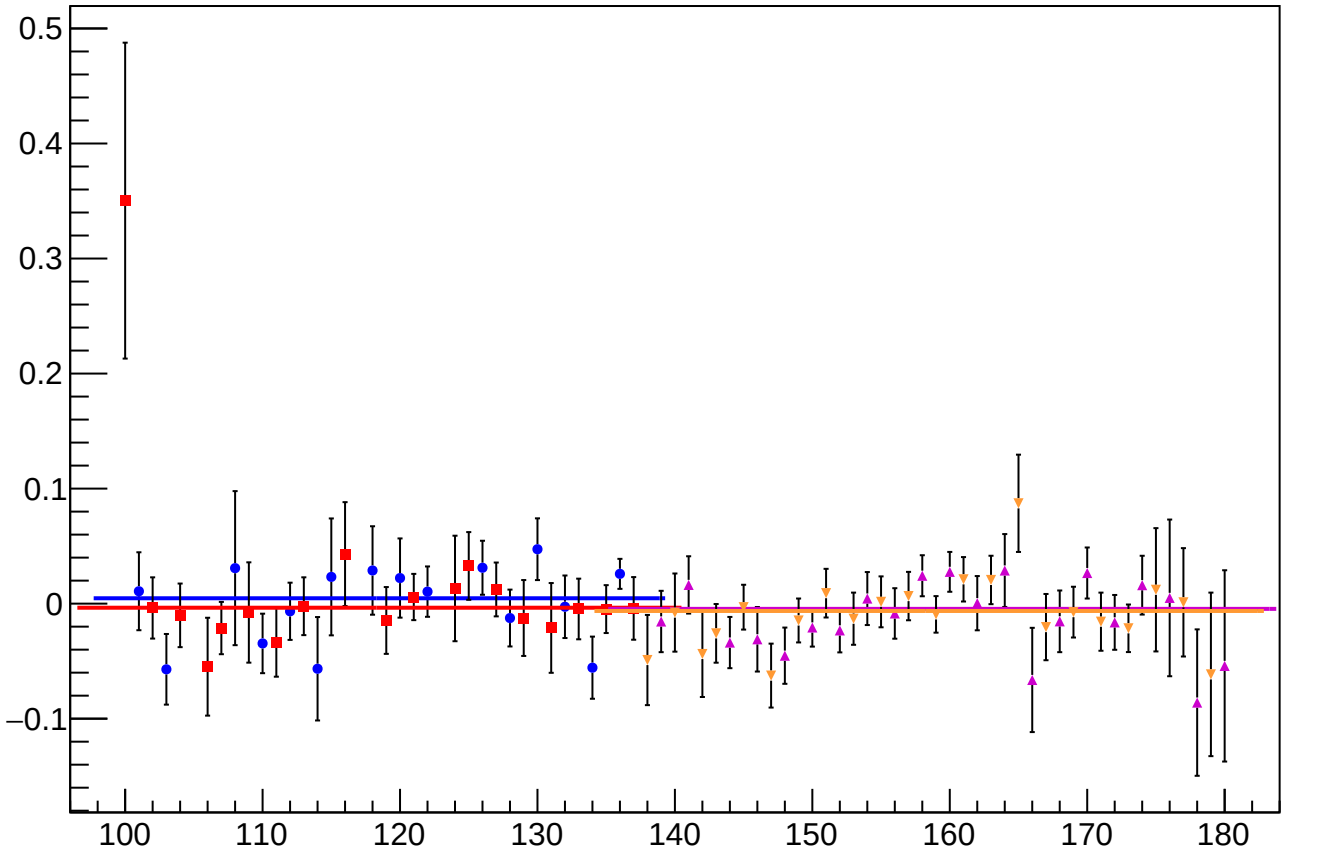
Left In: -0.005+/-0.005 χ^2/NDF:22.5/20

+ sign -0.002+/-0.004 χ^2/NDF: 41.6/37

All: -0.003+/-0.003 χ^2/NDF: 77.9/77

- sign -0.004+/-0.004 χ^2/NDF: 36.1/39


asym_sam_15_avg_eigen_dit_vs_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: 20.485+/-0.004 χ²/NDF:2692113.2/21
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 20.543+/-0.004 χ²/NDF:2744554.0/20
+ sign 18.828+/-0.003 χ²/NDF: 4153191.0/37
All: 18.944+/-0.002 χ²/NDF: 8163073.4/77
- sign 19.064+/-0.003 χ²/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:18.5/21

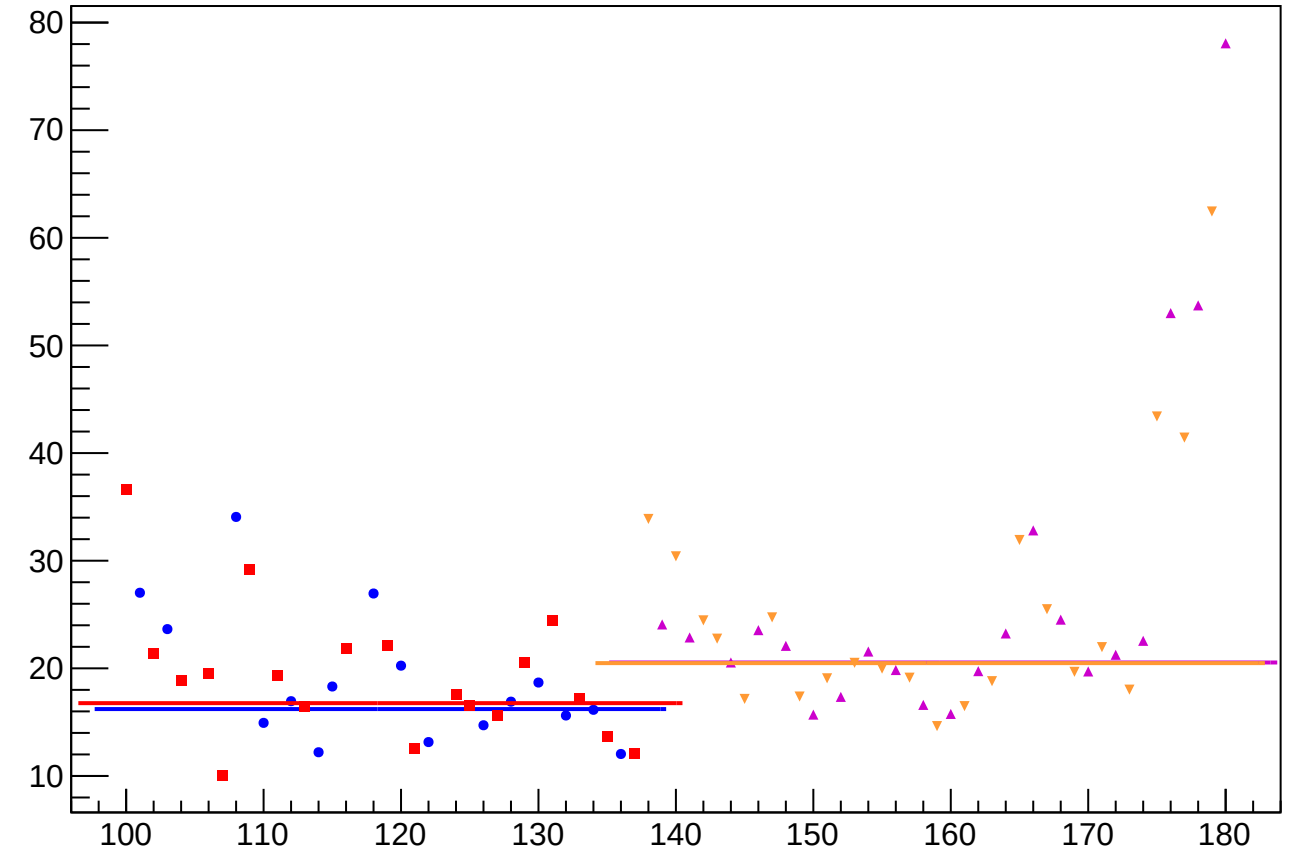
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.005+/-0.005 χ^2/NDF:22.5/20

+ sign -0.002+/-0.004 χ^2/NDF: 41.6/37

All: -0.003+/-0.003 χ^2/NDF: 77.9/77

- sign -0.004+/-0.004 χ^2/NDF: 36.1/39



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.485+/-0.004 χ^2/NDF:2692113.2/21

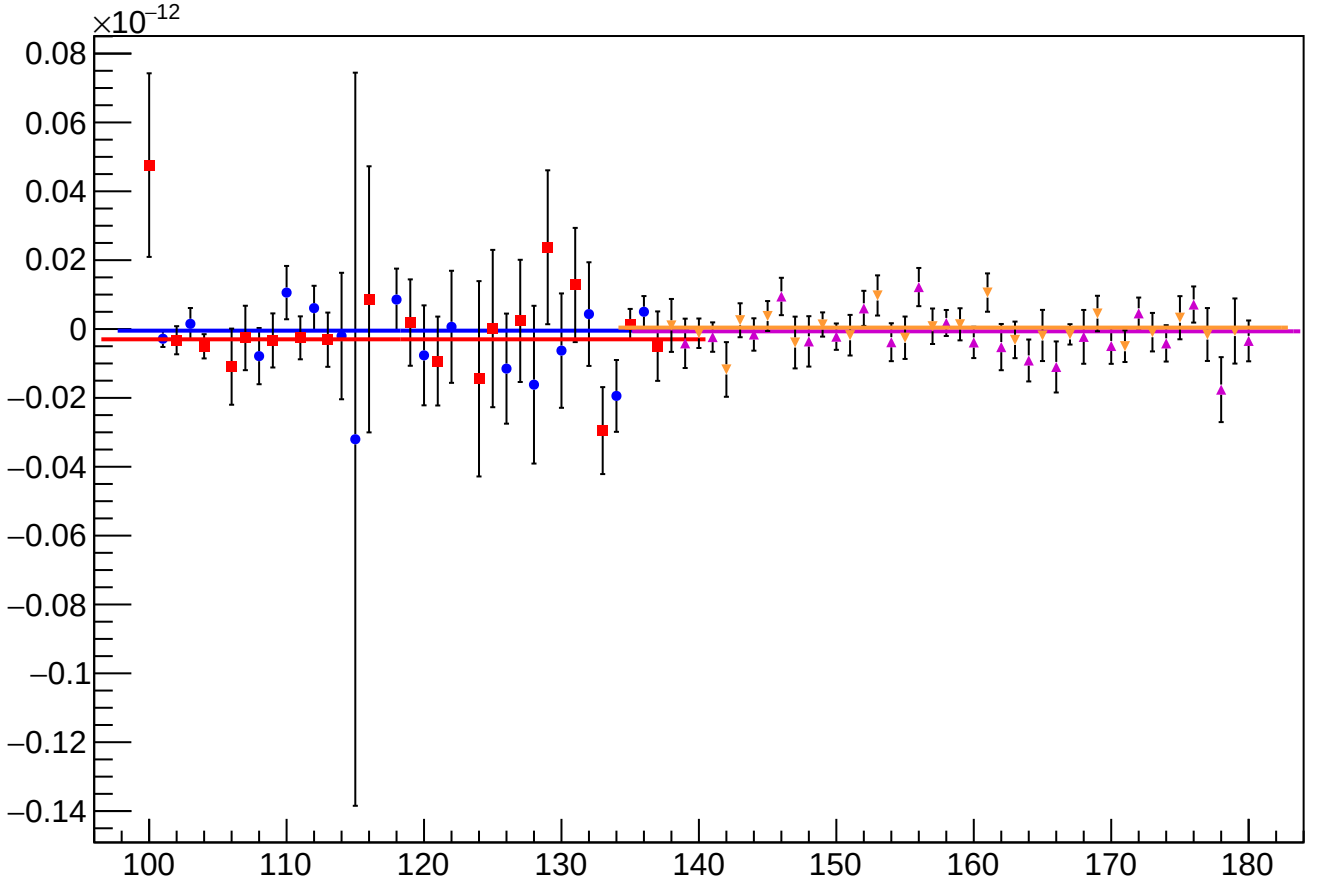
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.543+/-0.004 χ^2/NDF:2744554.0/20

+ sign 18.828+/-0.003 χ^2/NDF: 4153191.0/37

All: 18.944+/-0.002 χ^2/NDF: 8163073.4/77

- sign 19.064+/-0.003 χ^2/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:13.3/21

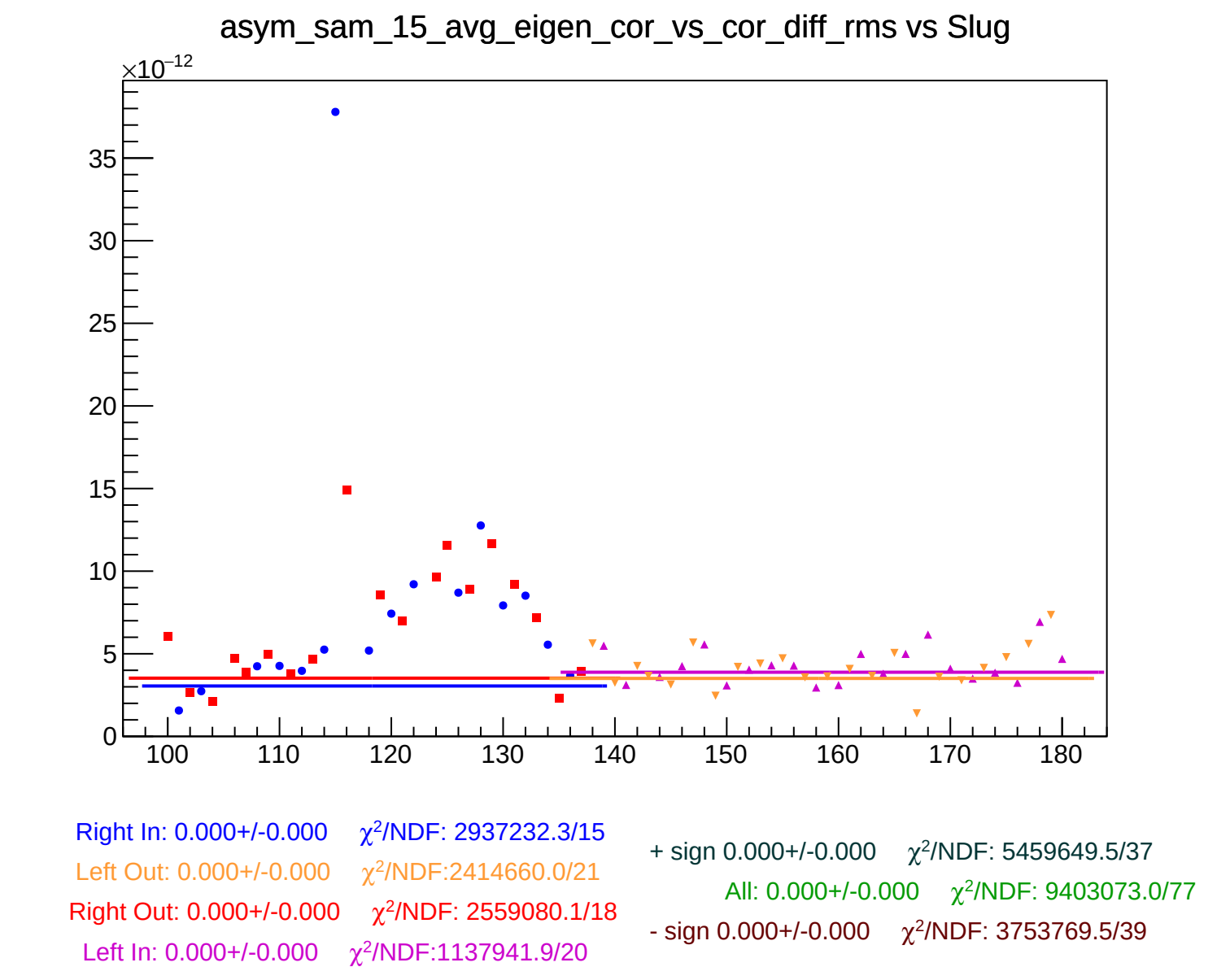
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:25.0/20

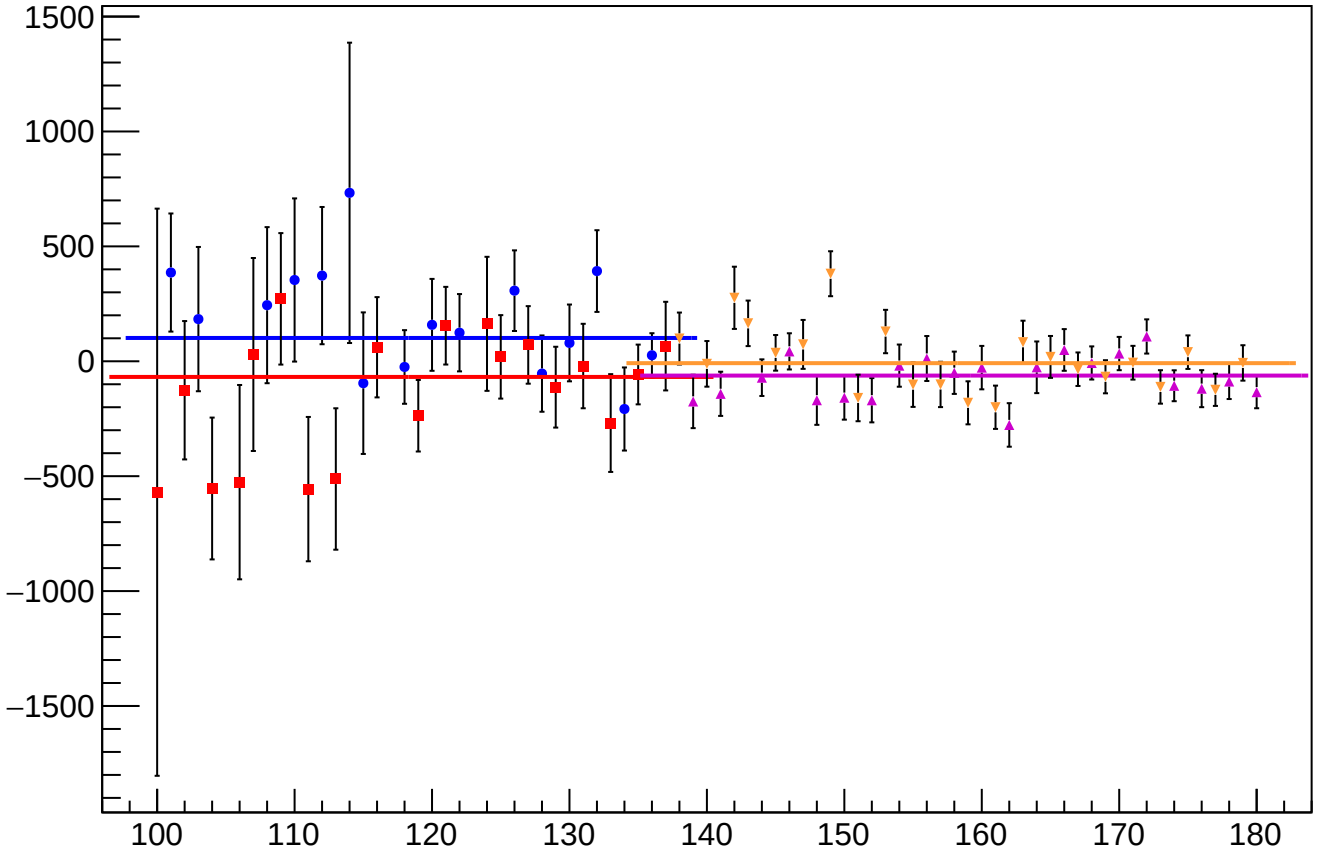
+ sign 0.000+/-0.000 χ^2/NDF: 25.8/37

All: -0.000+/-0.000 χ^2/NDF: 66.3/77

- sign -0.000+/-0.000 χ^2/NDF: 39.2/39


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2414660.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:1137941.9/20
+ sign 0.000+/-0.000 χ²/NDF: 5459649.5/37
All: 0.000+/-0.000 χ²/NDF: 9403073.0/77
- sign 0.000+/-0.000 χ²/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: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

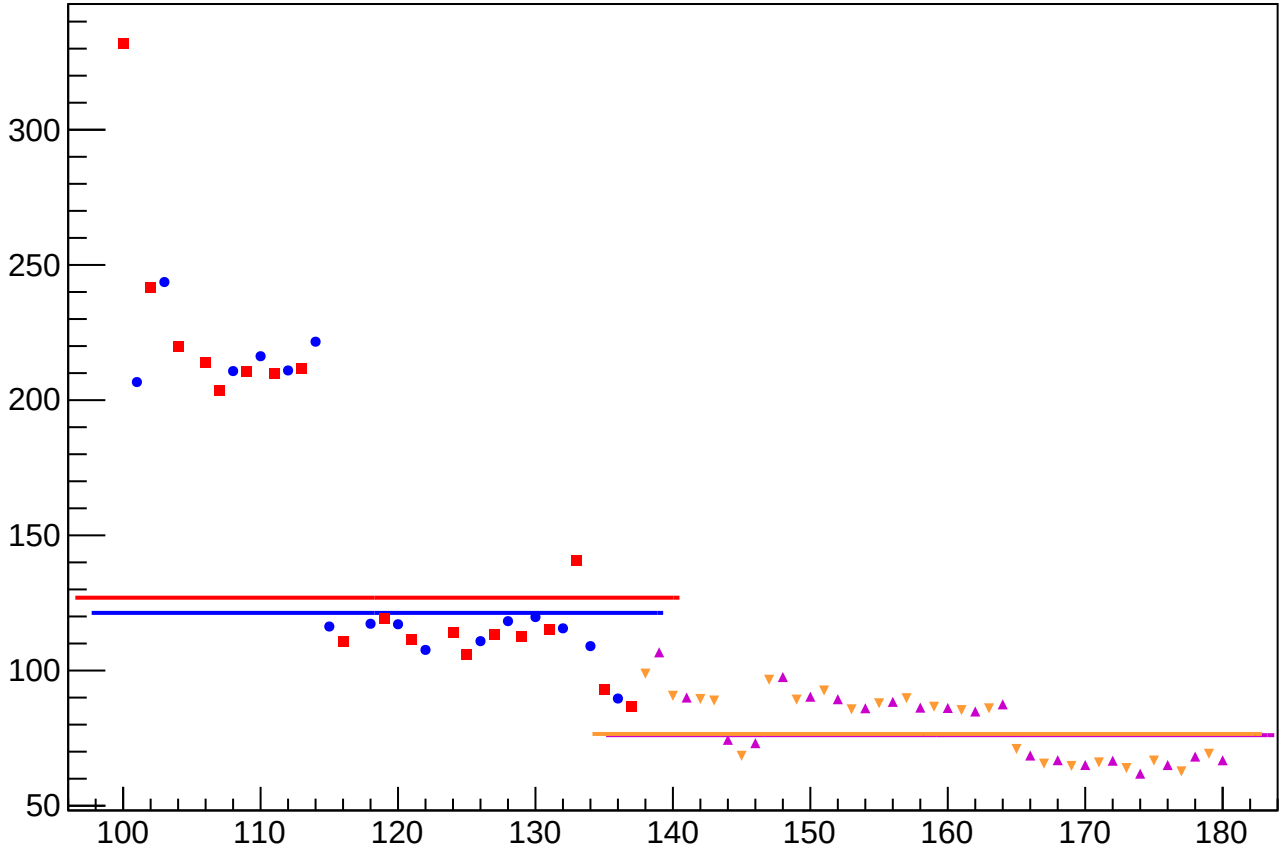
Left In: -62.276+/-18.622 χ^2/NDF:24.0/20

+ sign 6.333+/-17.327 χ^2/NDF: 63.8/37

All: -28.145+/-12.285 χ^2/NDF: 112.0/77

- 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: 76.550+/-0.013 χ^2/NDF:827705.5/21

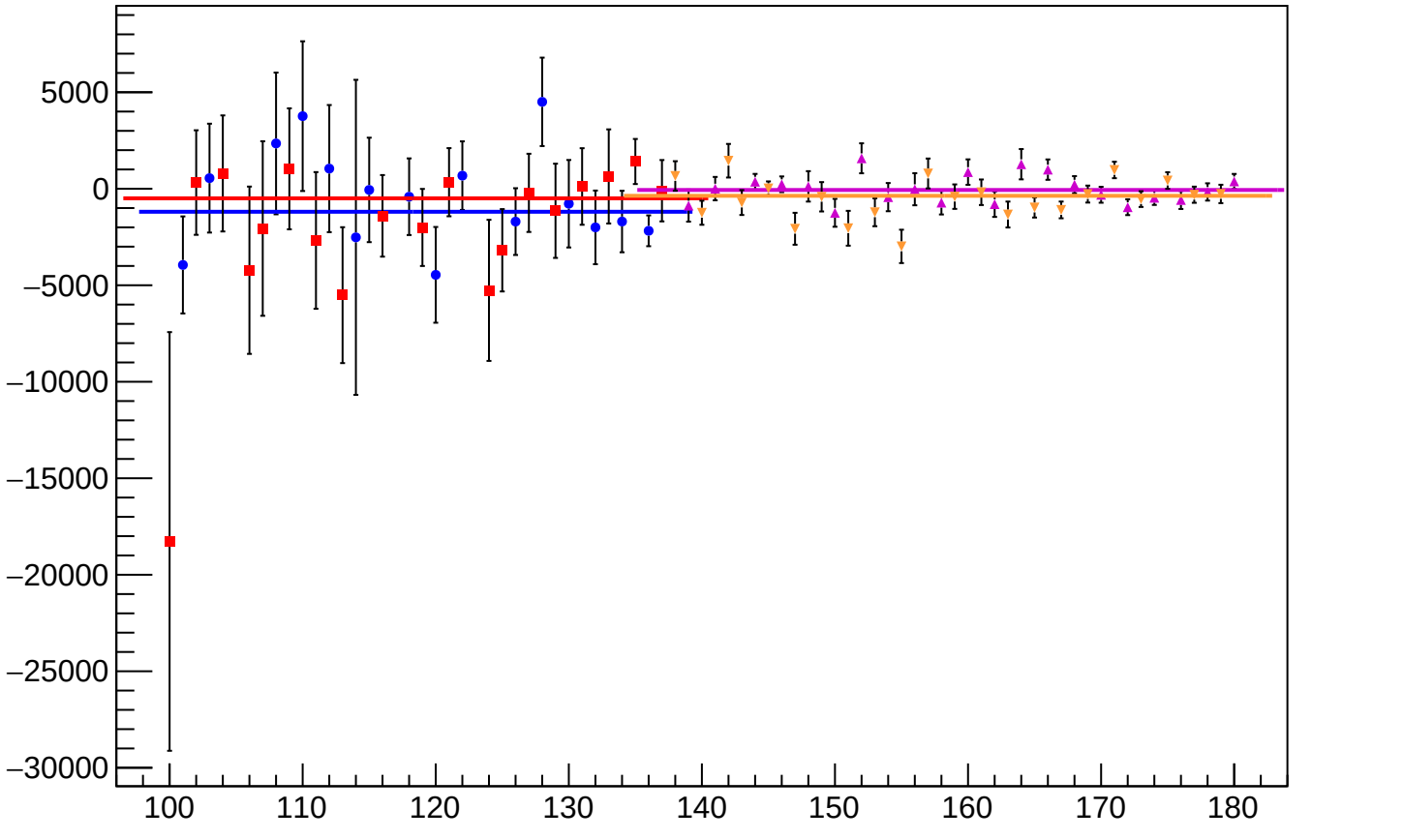
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 76.096+/-0.013 χ^2/NDF:796652.8/20

+ sign 82.475+/-0.012 χ^2/NDF: 3647871.7/37

All: 82.457+/-0.009 χ^2/NDF: 7776278.0/77

- 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: -365.643+/-116.852 χ^2/NDF:50.1/21

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

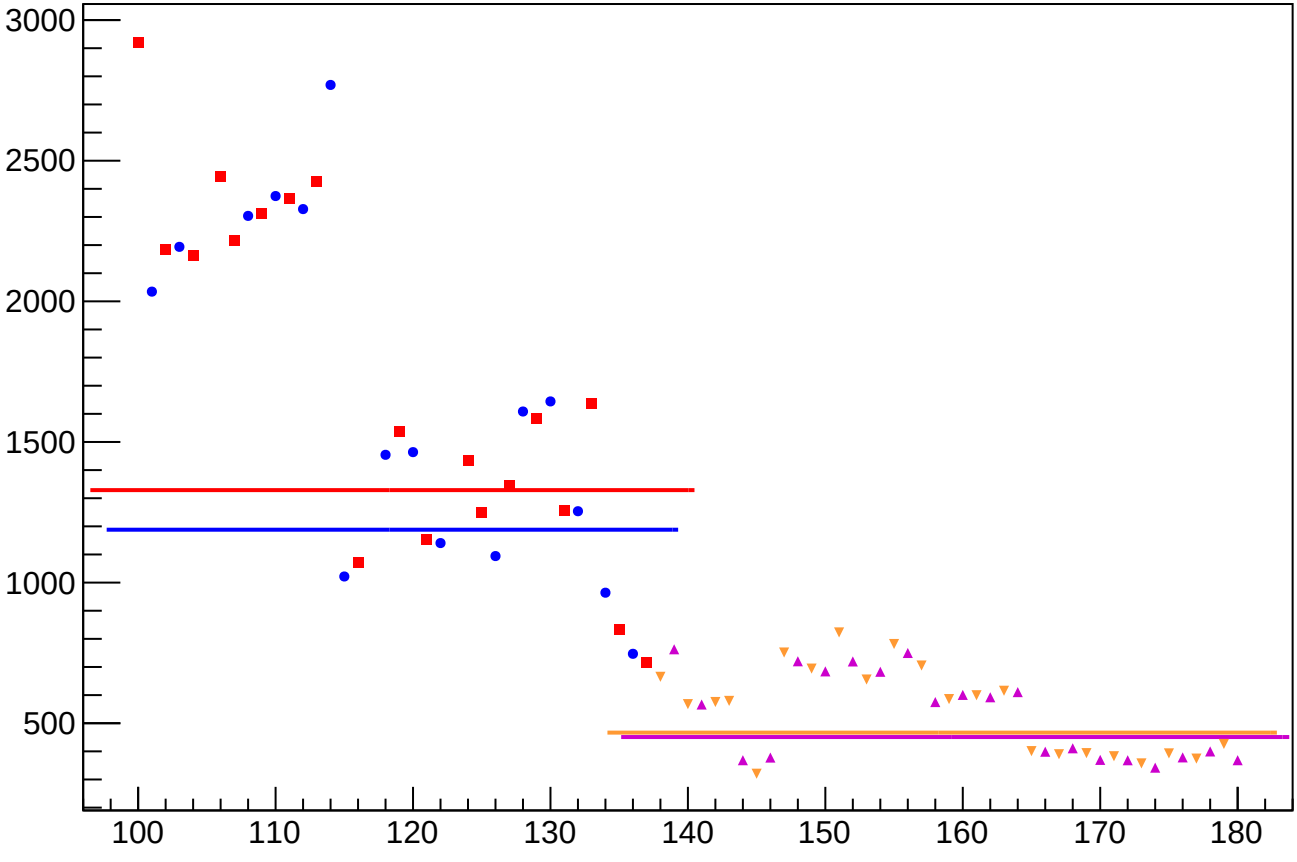
Left In: -63.240+/-113.505 χ^2/NDF:30.5/20

+ sign -412.085+/-113.522 χ^2/NDF: 68.8/37

All: -243.578+/-79.333 χ^2/NDF: 118.2/77

- 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: 466.678+/-0.083 χ^2/NDF:2718774.9/21

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

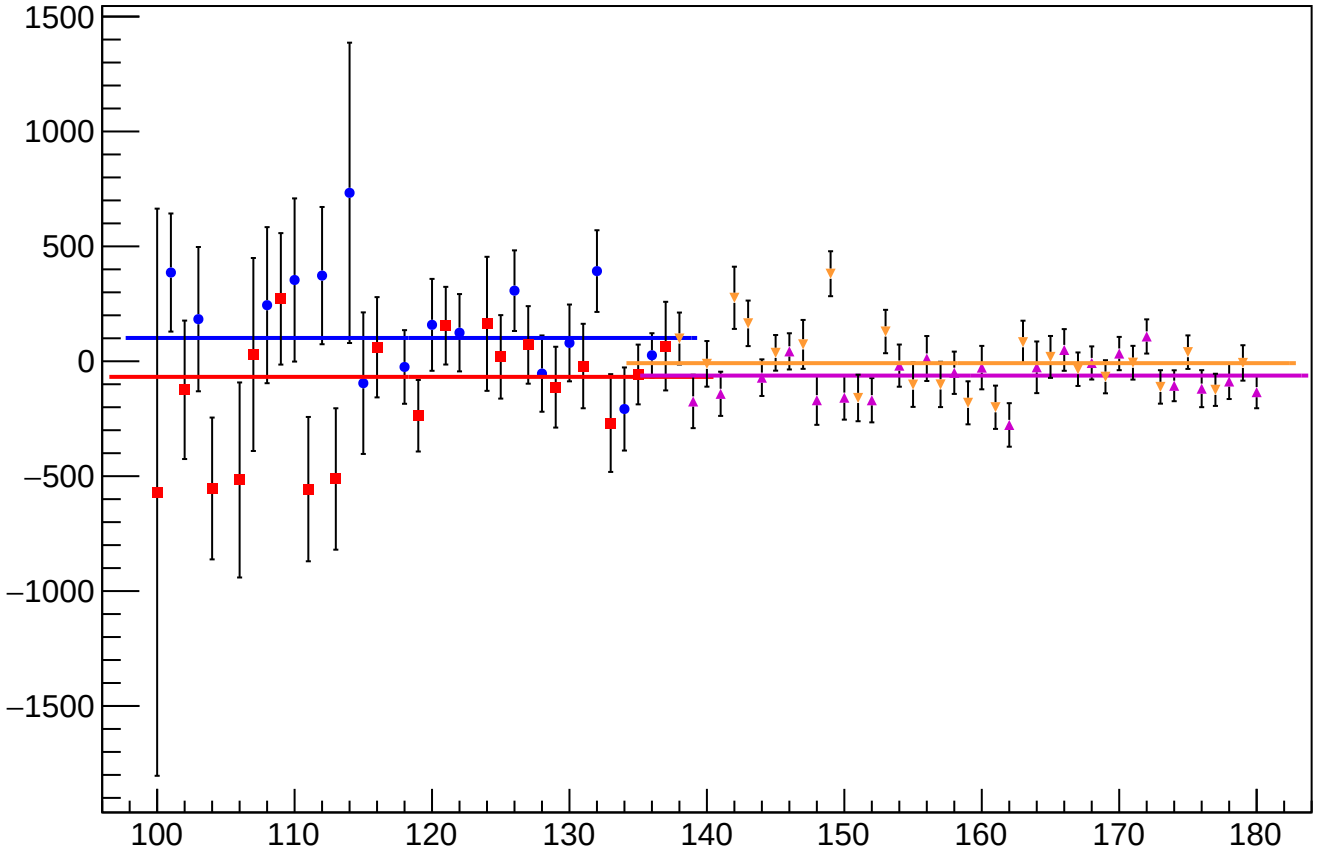
Left In: 450.908+/-0.080 χ^2/NDF:2534406.1/20

+ sign 507.212+/-0.080 χ^2/NDF: 9046461.9/37

All: 498.702+/-0.056 χ^2/NDF: 18967042.7/77

- 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: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

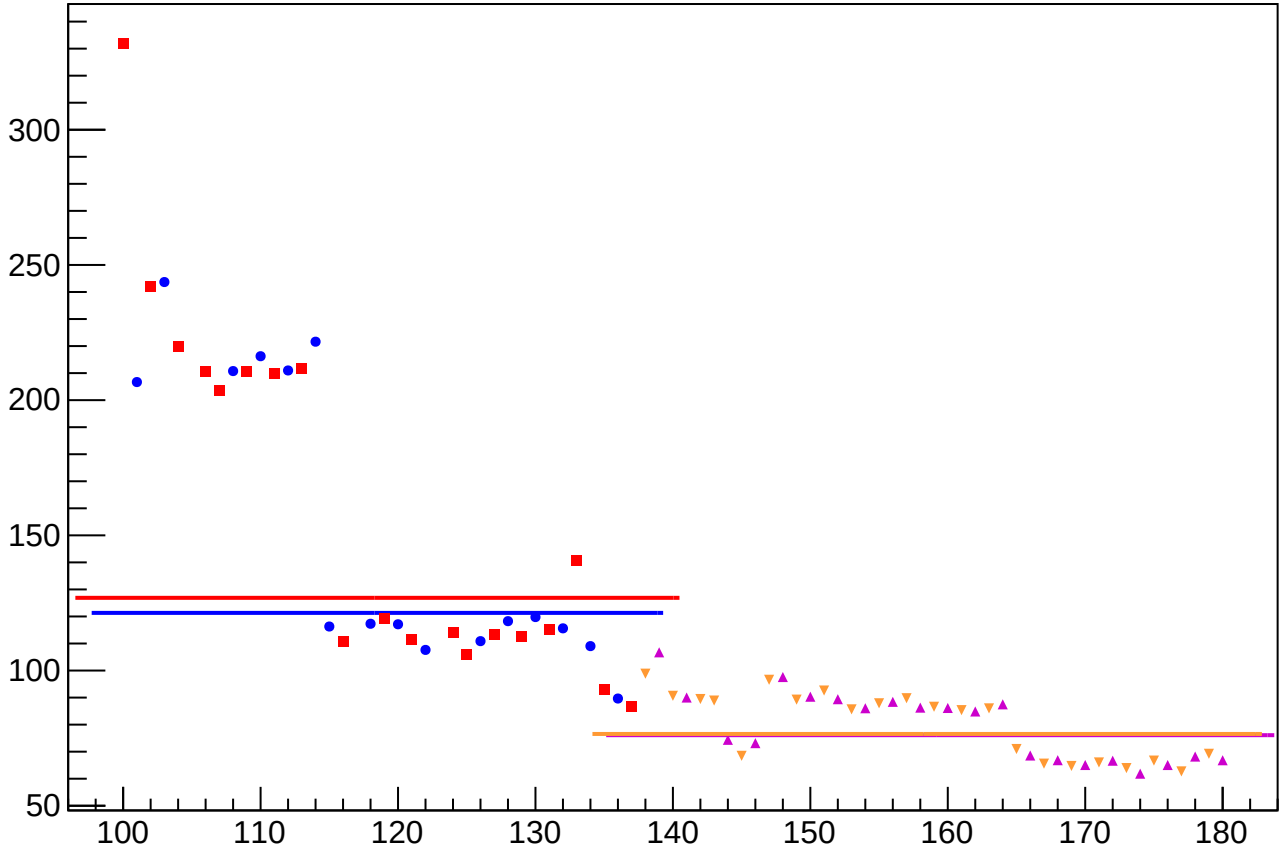
Left In: -62.273+/-18.622 χ^2/NDF:24.0/20

+ sign 6.331+/-17.327 χ^2/NDF: 63.8/37

All: -28.131+/-12.285 χ^2/NDF: 111.9/77

- 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: 76.550+/-0.013 χ^2/NDF:827705.5/21

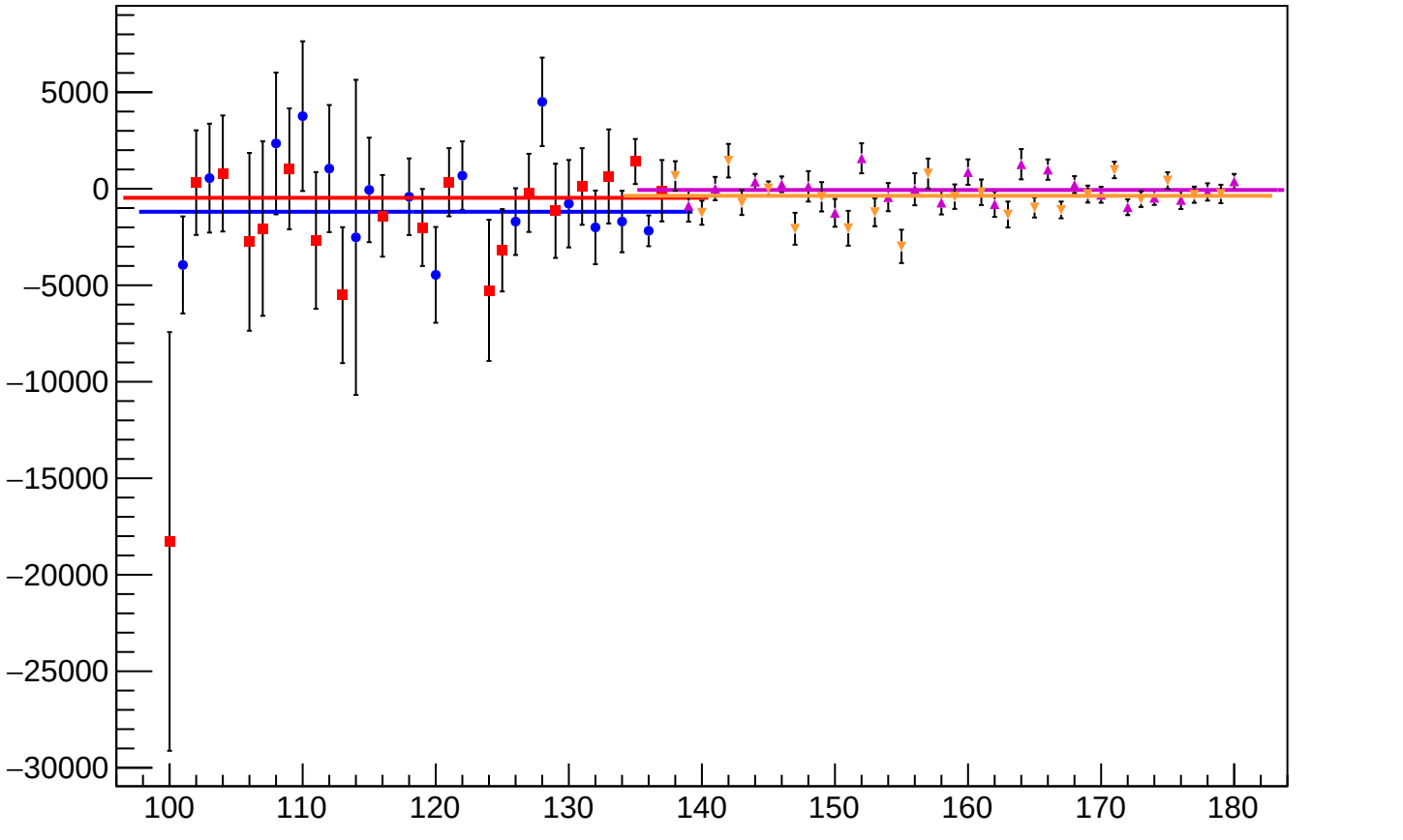
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.096+/-0.013 χ^2/NDF:796652.7/20

+ sign 82.475+/-0.012 χ^2/NDF: 3647873.7/37

All: 82.454+/-0.009 χ^2/NDF: 7766307.7/77

- 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: -365.641+/-116.852 χ^2/NDF:50.1/21

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

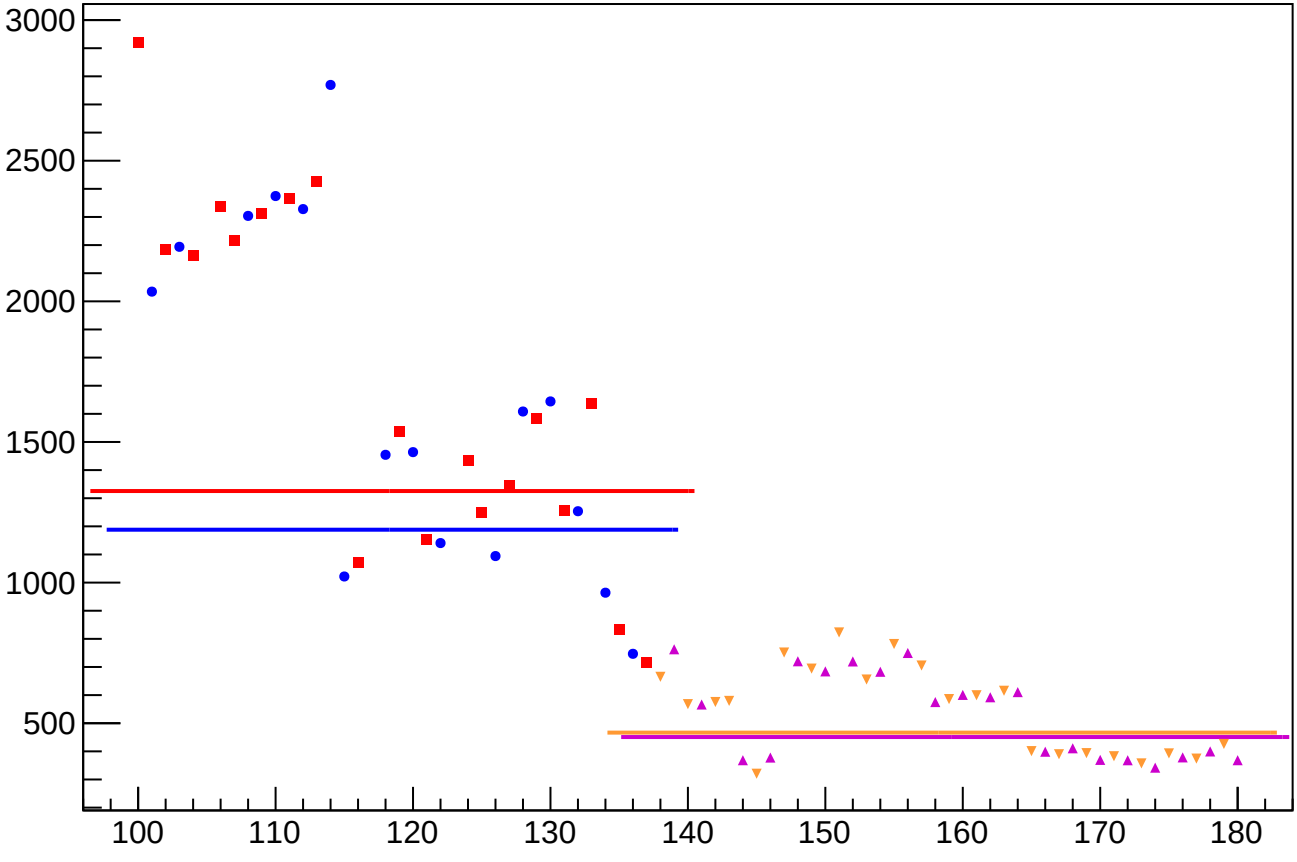
Left In: -63.239+/-113.505 χ^2/NDF:30.5/20

+ sign -412.081+/-113.522 χ^2/NDF: 68.8/37

All: -242.991+/-79.334 χ^2/NDF: 117.6/77

- 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: 466.677+/-0.083 χ^2/NDF:2718784.1/21

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

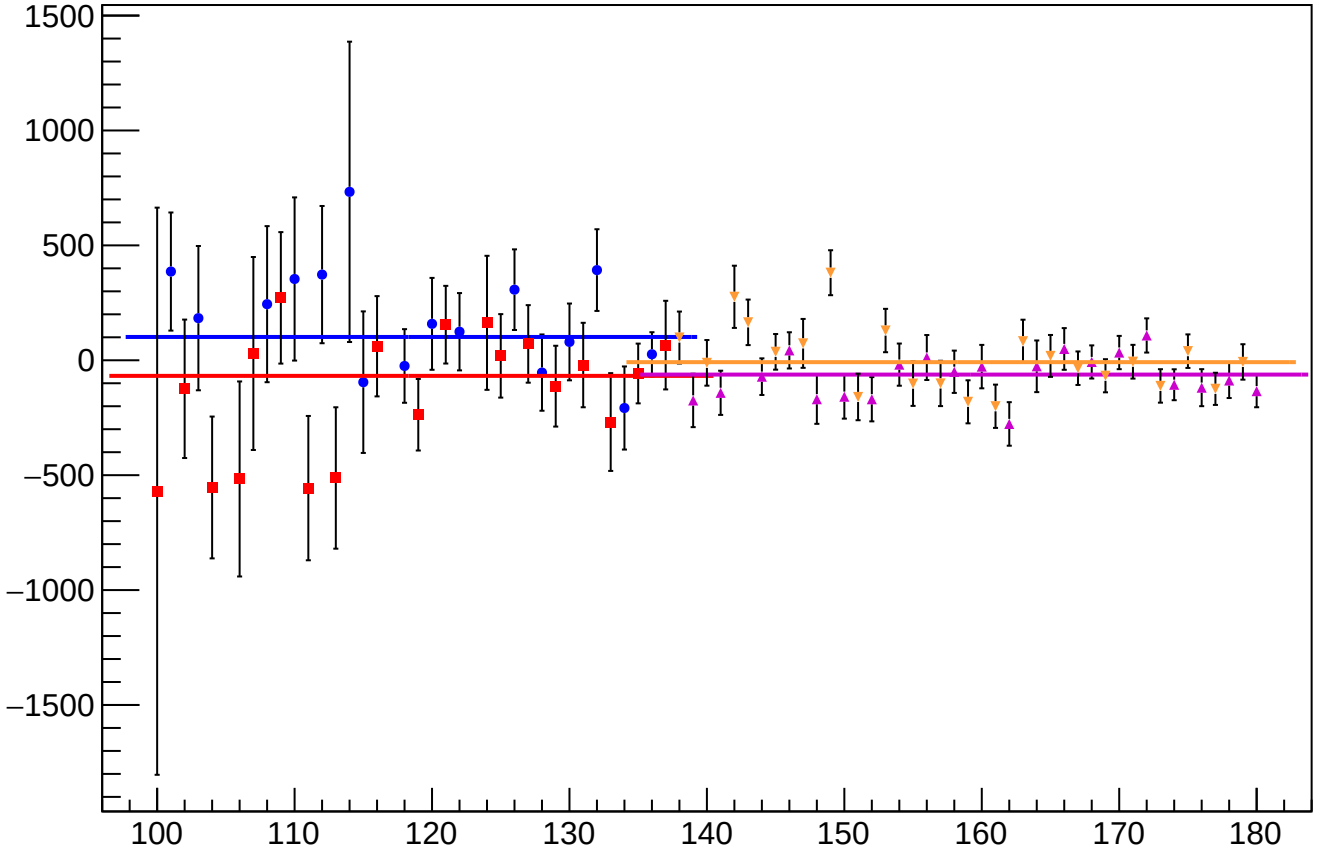
Left In: 450.909+/-0.080 χ^2/NDF:2534407.8/20

+ sign 507.212+/-0.080 χ^2/NDF: 9046493.1/37

All: 498.594+/-0.056 χ^2/NDF: 18882099.4/77

- 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: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

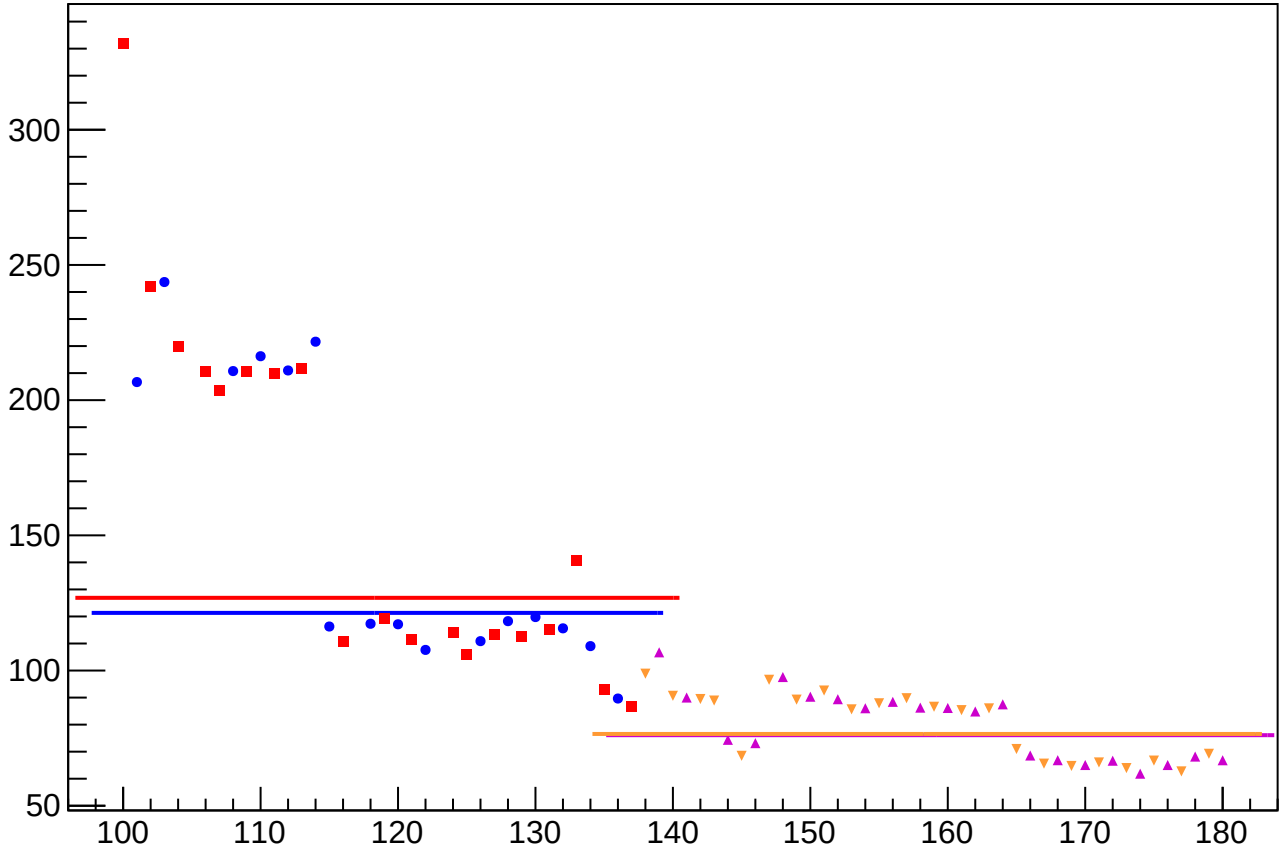
Left In: -62.273+/-18.622 χ^2/NDF:24.0/20

+ sign 6.331+/-17.327 χ^2/NDF: 63.8/37

All: -28.131+/-12.285 χ^2/NDF: 111.9/77

- 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: 76.550+/-0.013 χ^2/NDF:827705.5/21

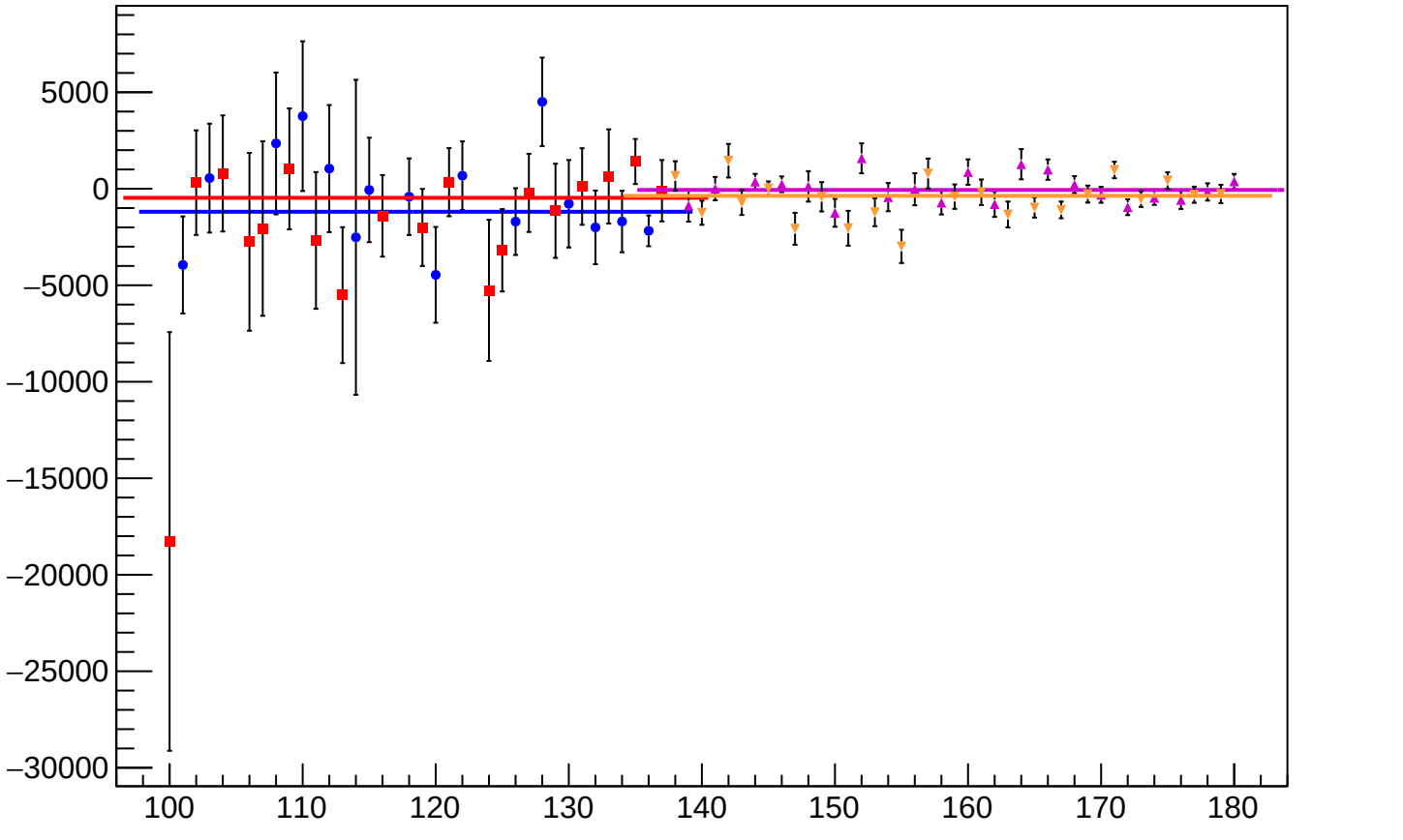
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.096+/-0.013 χ^2/NDF:796652.7/20

\+ sign 82.475+/-0.012 χ^2/NDF: 3647873.7/37

All: 82.454+/-0.009 χ^2/NDF: 7766307.7/77

\- 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: -365.641+/-116.852 χ^2/NDF:50.1/21

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

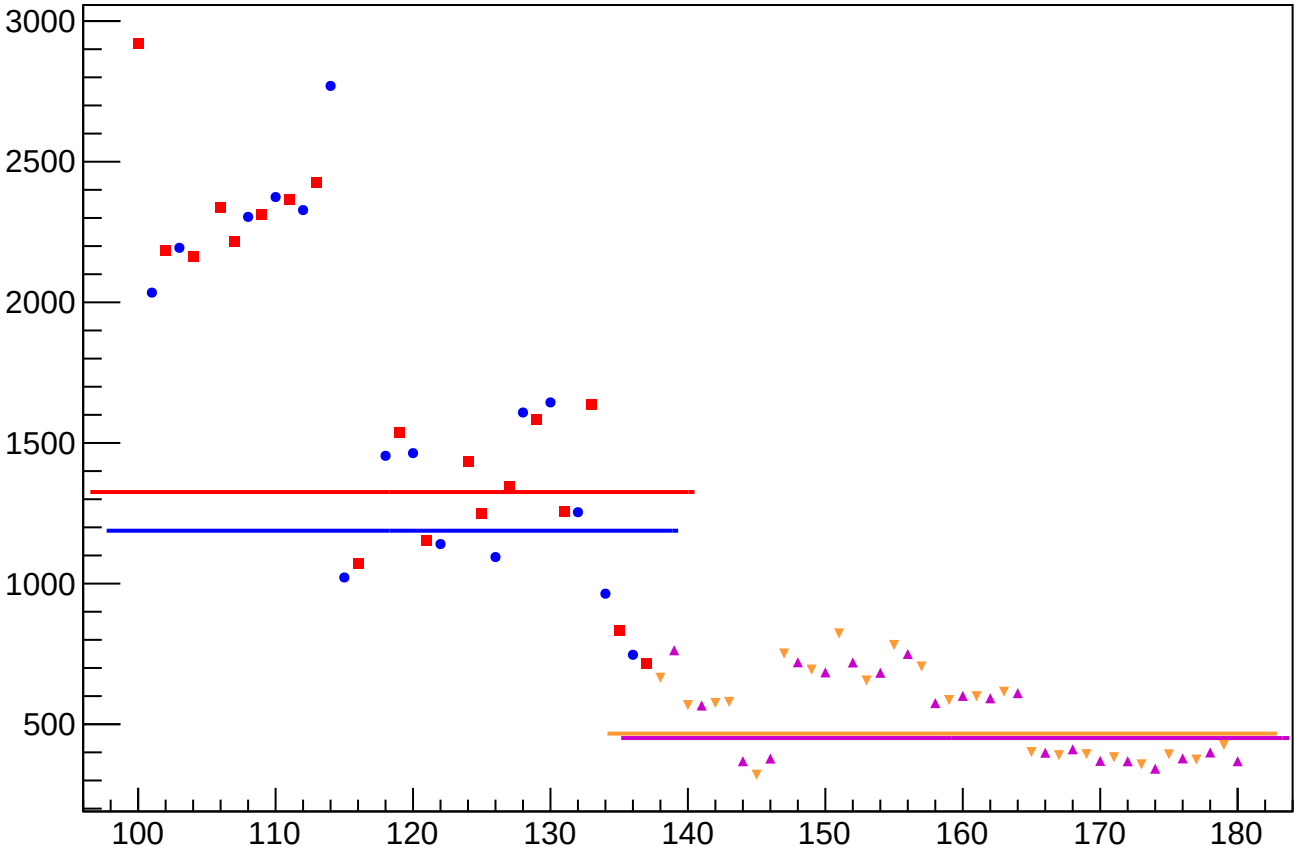
Left In: -63.239+/-113.505 χ^2/NDF:30.5/20

+ sign -412.081+/-113.522 χ^2/NDF: 68.8/37

All: -242.991+/-79.334 χ^2/NDF: 117.6/77

- 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: 466.677+/-0.083 χ^2/NDF:2718784.1/21

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

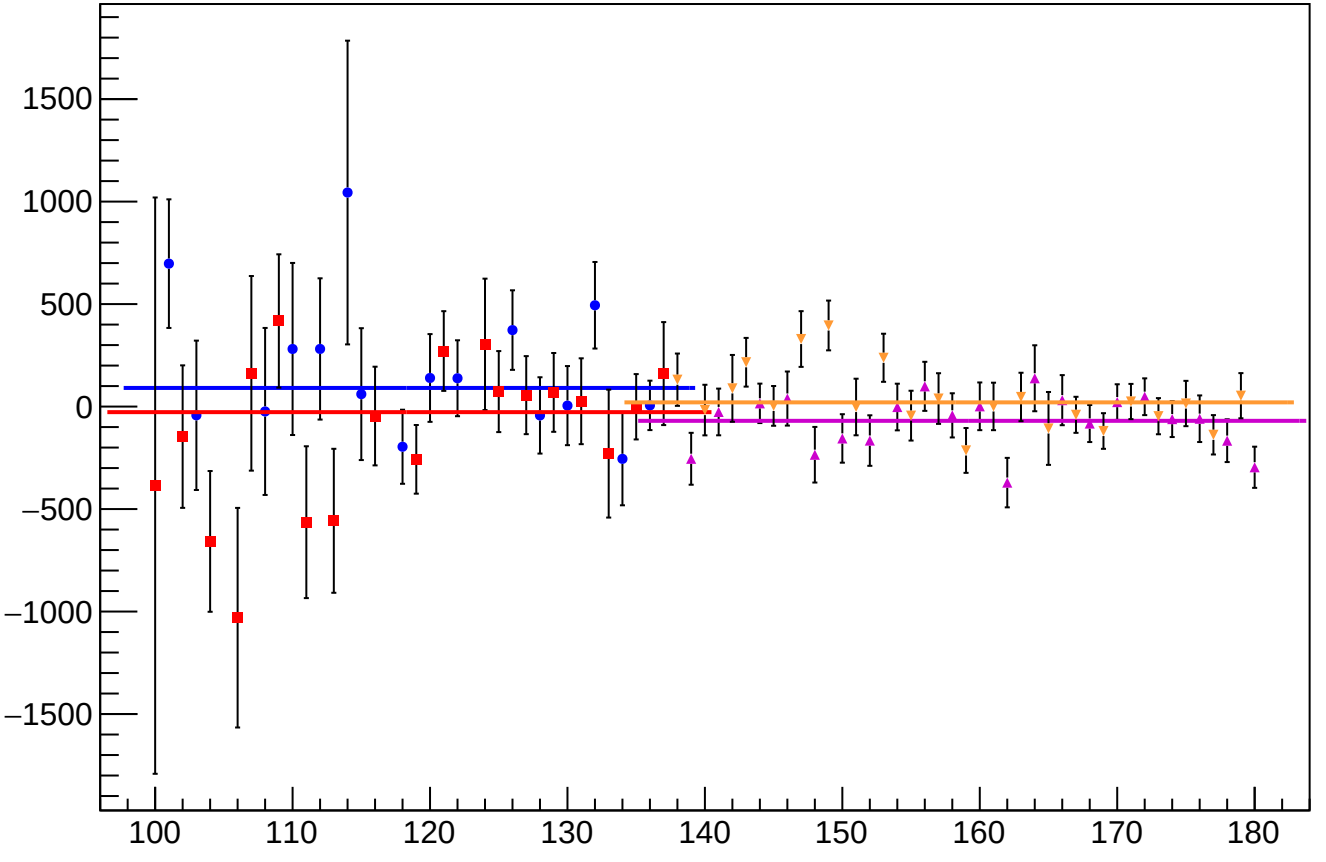
Left In: 450.909+/-0.080 χ^2/NDF:2534407.8/20

+ sign 507.212+/-0.080 χ^2/NDF: 9046493.1/37

All: 498.594+/-0.056 χ^2/NDF: 18882099.4/77

- 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: 20.507+/-23.689 χ^2/NDF:33.9/21

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

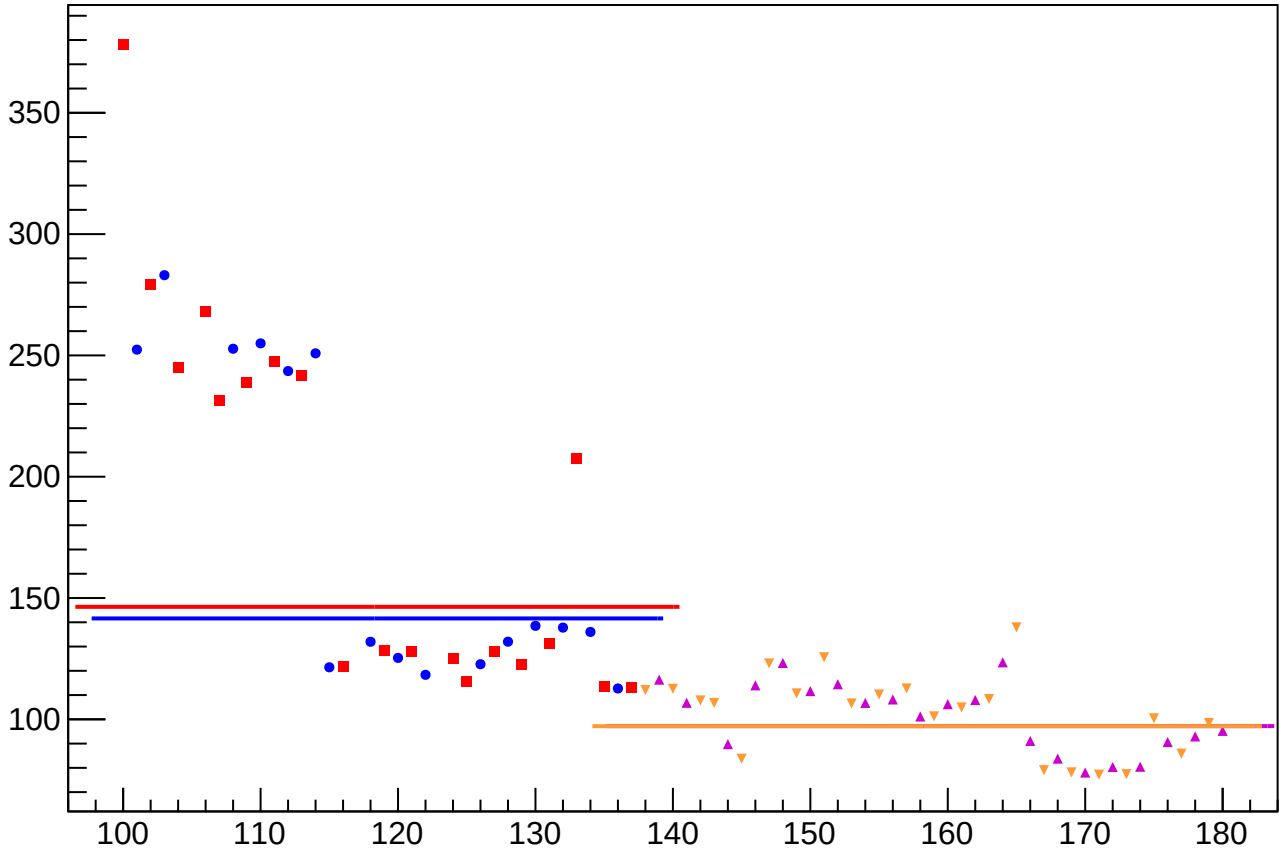
Left In: -69.562+/-23.867 χ^2/NDF:26.5/20

+ sign 31.335+/-21.791 χ^2/NDF: 53.3/37

All: -15.469+/-15.488 χ^2/NDF: 110.2/77

- 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: 97.178+/-0.017 χ^2/NDF:921422.8/21

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

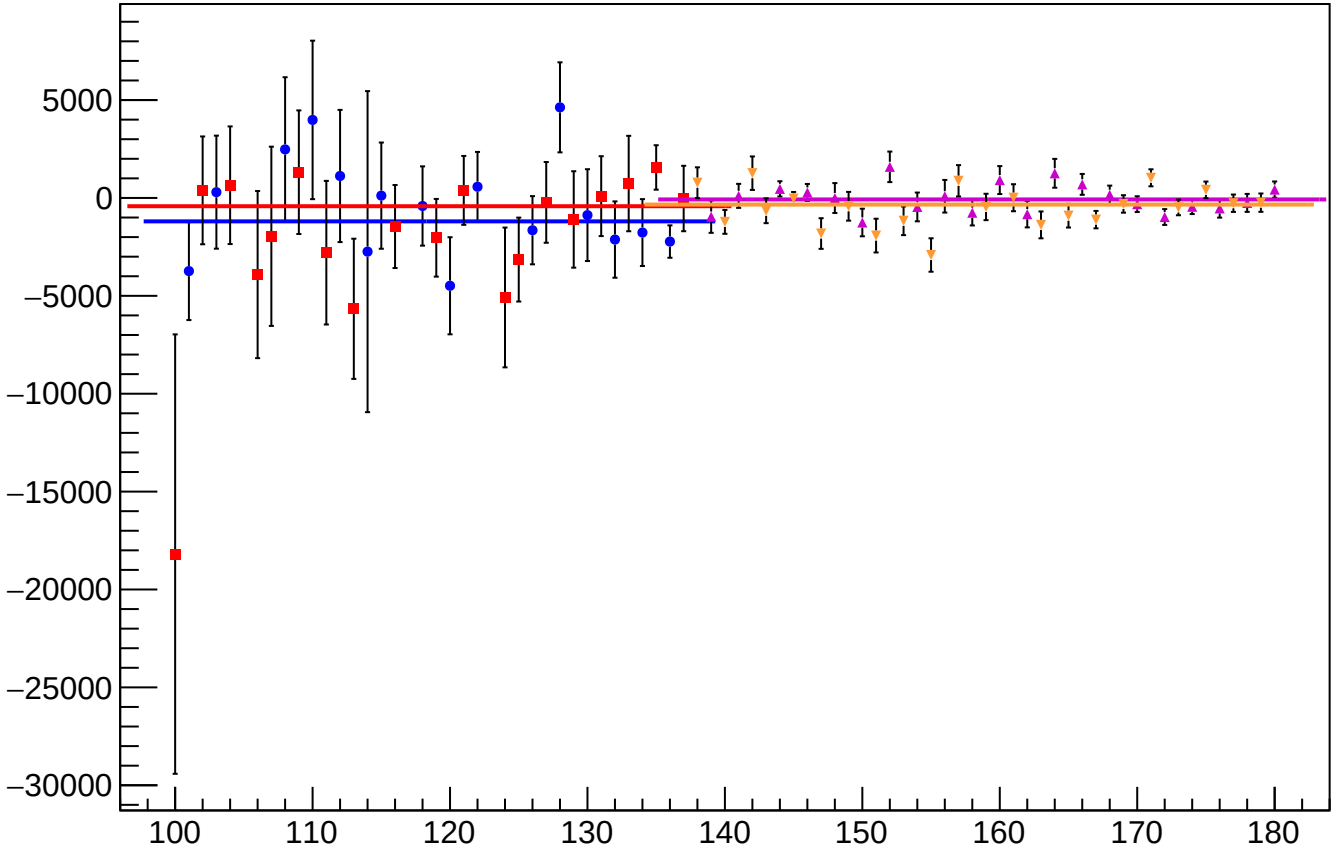
Left In: 97.208+/-0.017 χ^2/NDF:662394.8/20

+ sign 104.009+/-0.015 χ^2/NDF: 3264785.8/37

All: 104.270+/-0.011 χ^2/NDF: 6706629.4/77

- sign 104.538+/-0.016 χ^2/NDF: 3441260.0/39

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -338.429+/-117.246 χ^2/NDF:48.1/21

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

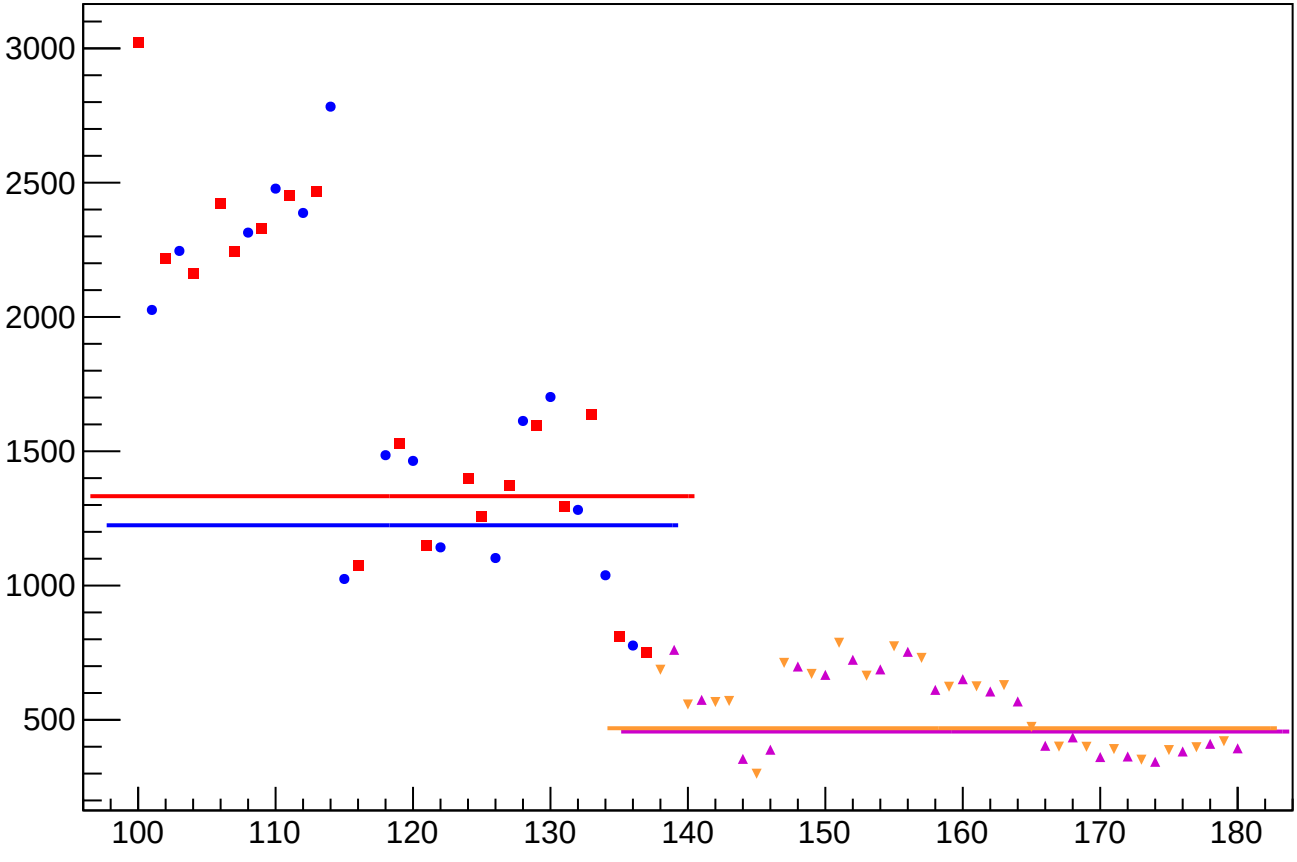
Left In: -76.536+/-115.062 χ^2/NDF:30.2/20

+ sign -384.658+/-114.045 χ^2/NDF: 66.9/37

All: -236.406+/-80.048 χ^2/NDF: 115.1/77

- 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: 468.821+/-0.083 χ^2/NDF:2809633.2/21

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

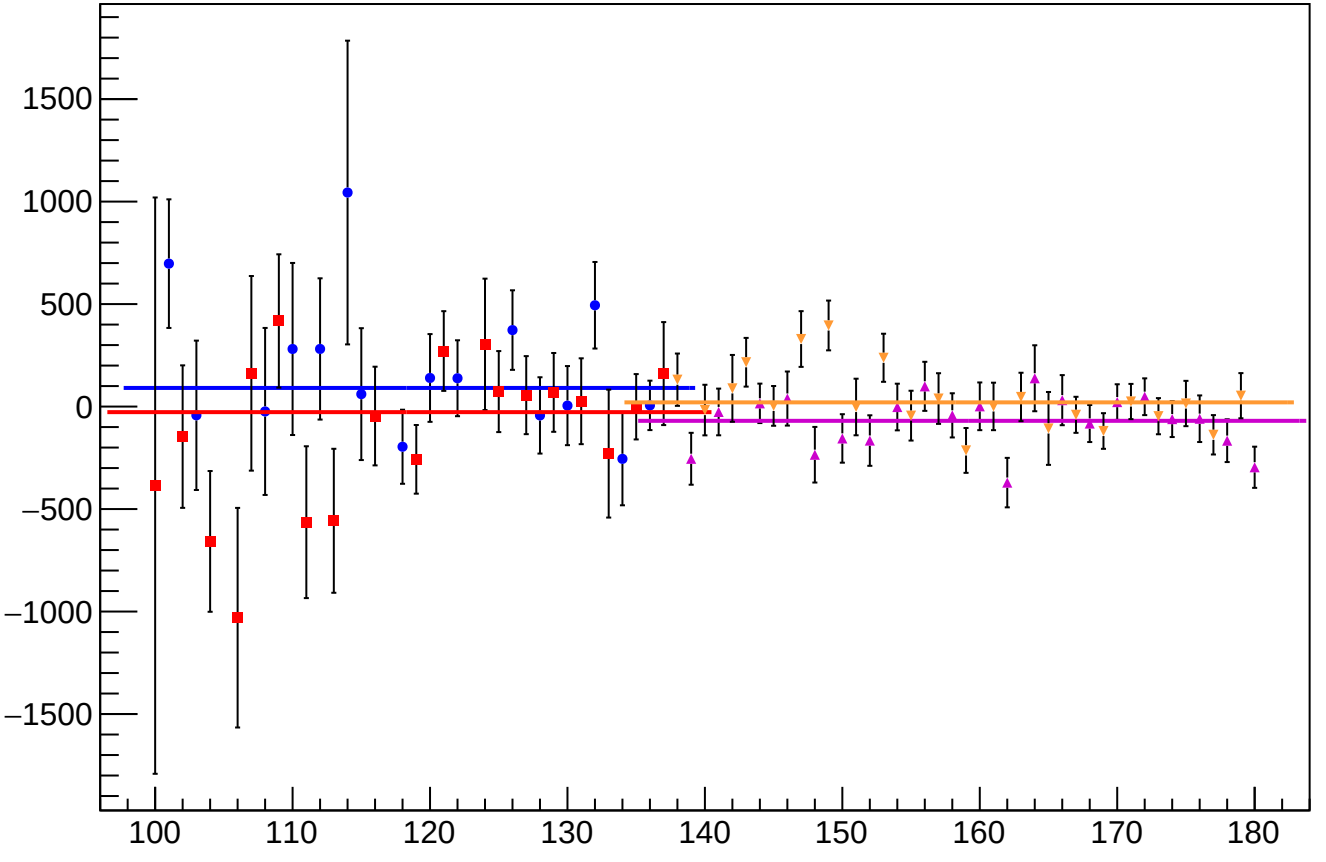
Left In: 456.494+/-0.081 χ^2/NDF:2538049.5/20

+ sign 509.524+/-0.081 χ^2/NDF: 9243874.6/37

All: 503.082+/-0.057 χ^2/NDF: 19128500.7/77

- 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: 20.505+/-23.689 χ^2/NDF:33.9/21

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

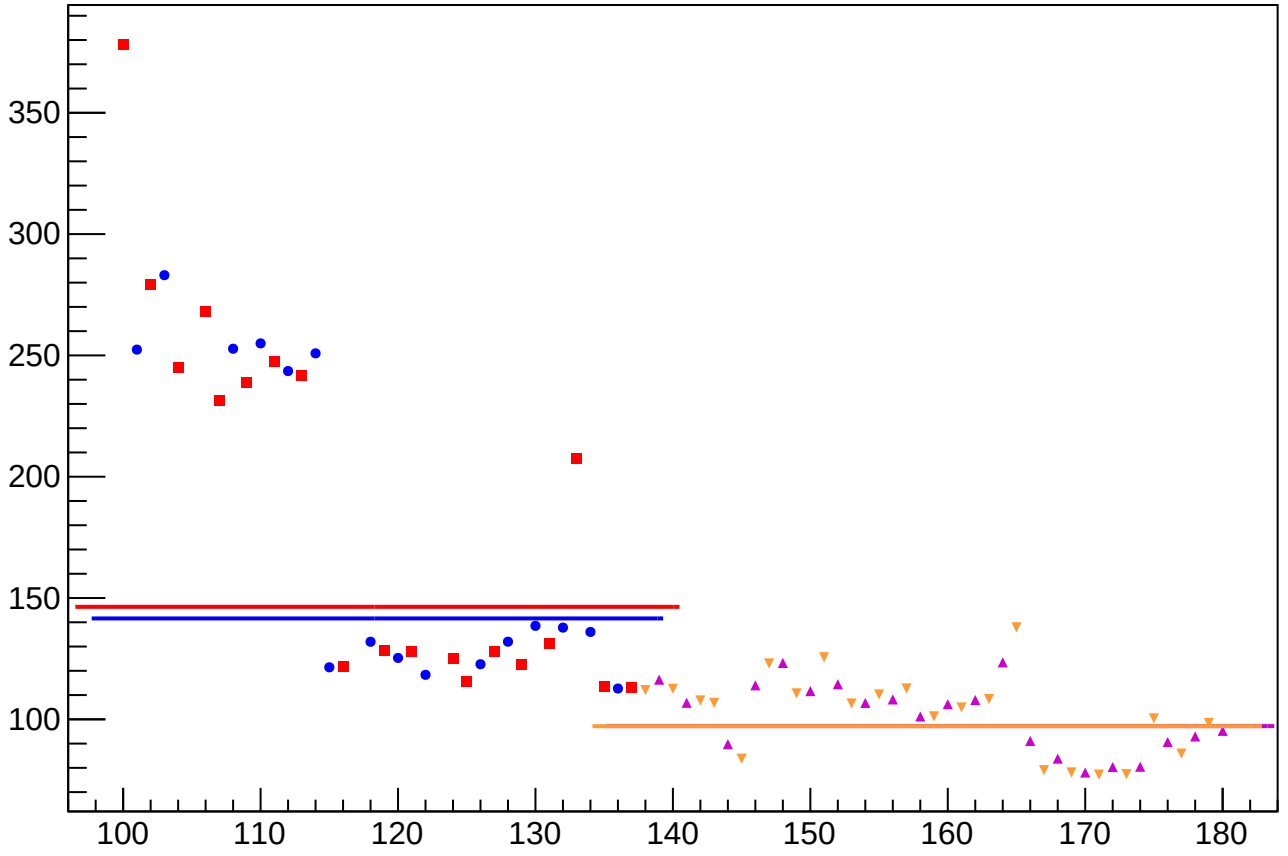
Left In: -69.562+/-23.867 χ^2/NDF:26.5/20

+ sign 31.334+/-21.791 χ^2/NDF: 53.3/37

All: -15.469+/-15.488 χ^2/NDF: 110.2/77

- 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: 97.179+/-0.017 χ^2/NDF:921423.0/21

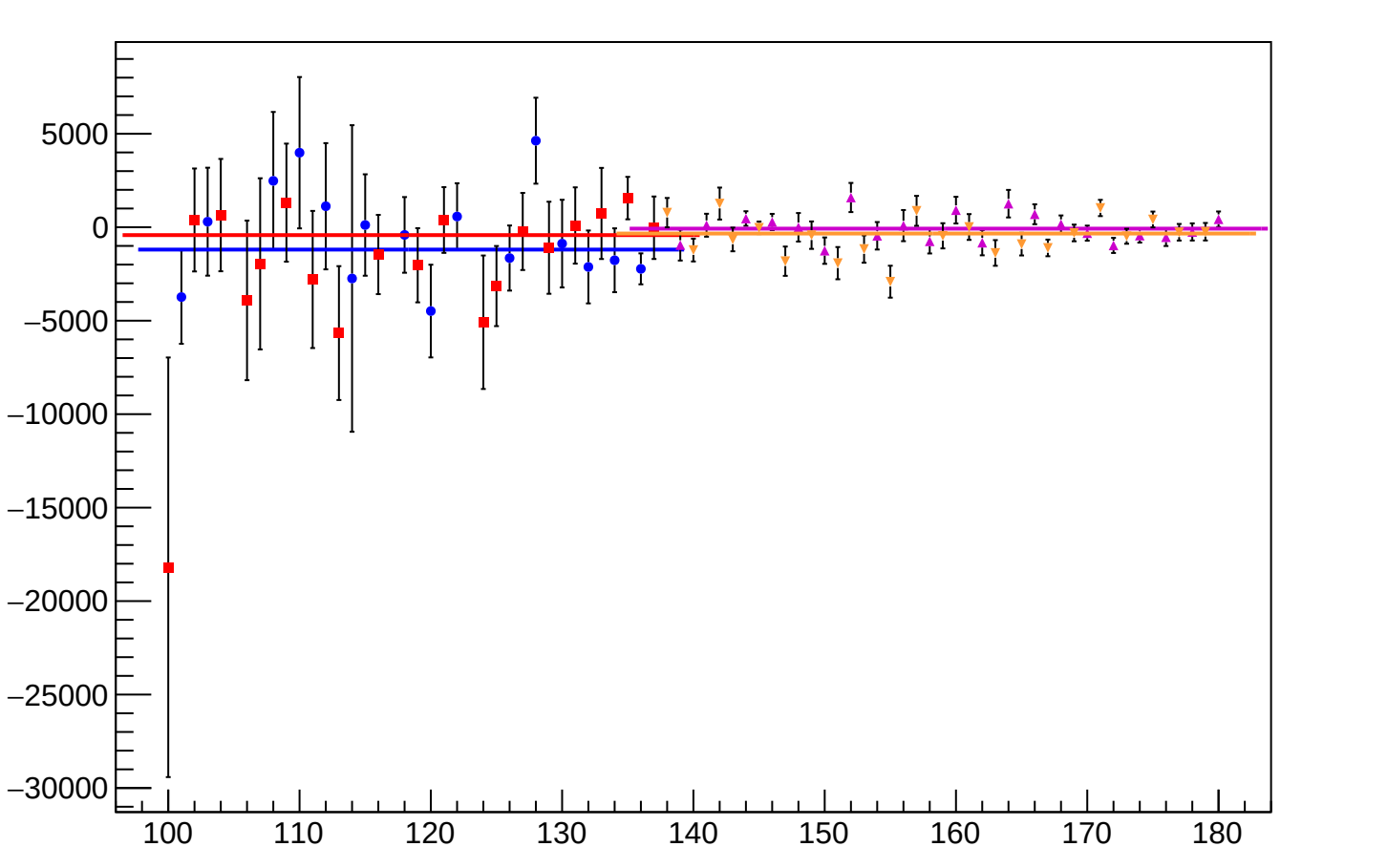
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.208+/-0.017 χ^2/NDF:662384.1/20

+ sign 104.009+/-0.015 χ^2/NDF: 3264731.0/37

All: 104.271+/-0.011 χ^2/NDF: 6706515.0/77

- 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: -338.429+/-117.246 χ^2/NDF:48.1/21

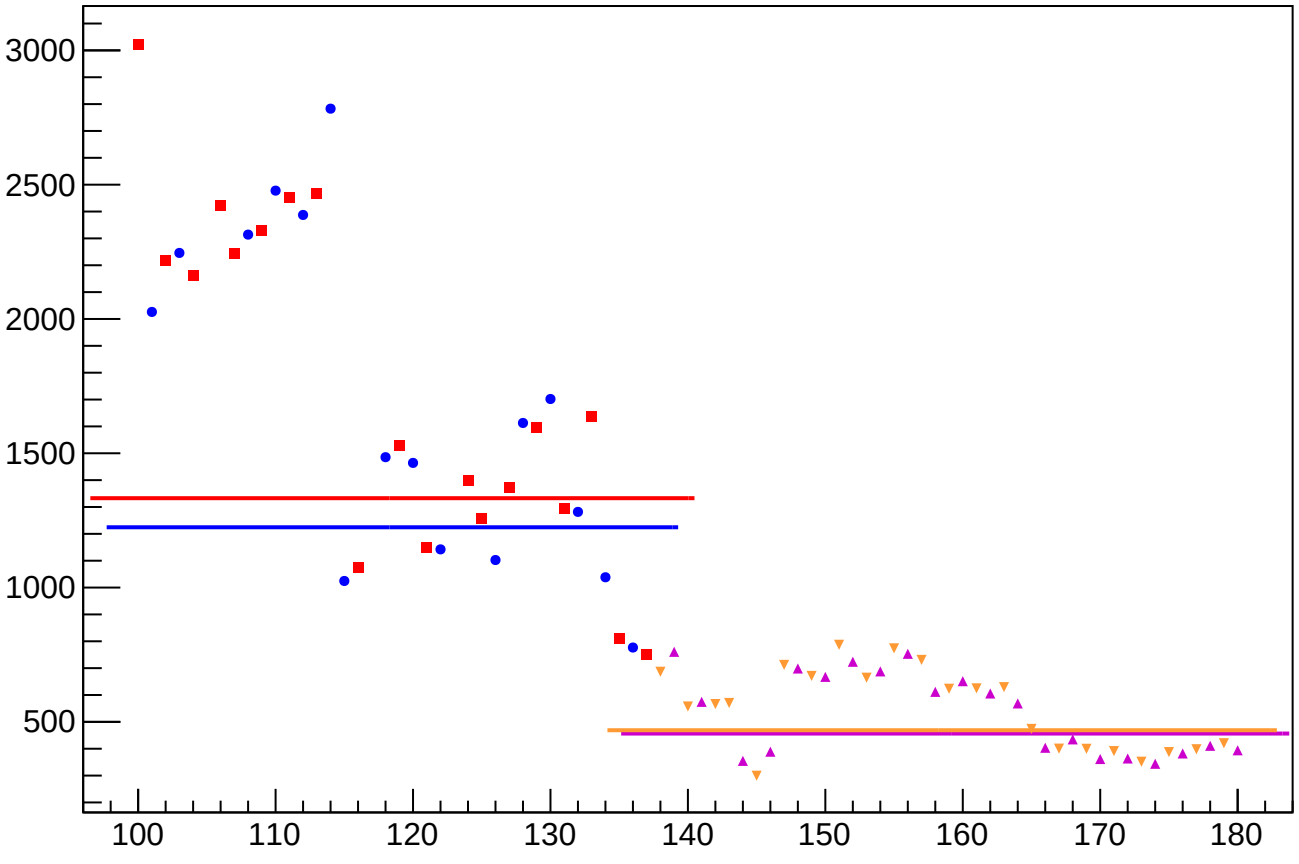
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -76.536+/-115.062 χ^2/NDF:30.2/20

+ sign -384.657+/-114.045 χ^2/NDF: 66.9/37

All: -236.406+/-80.048 χ^2/NDF: 115.1/77

- 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: 468.821+/-0.083 χ^2/NDF:2809655.1/21

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

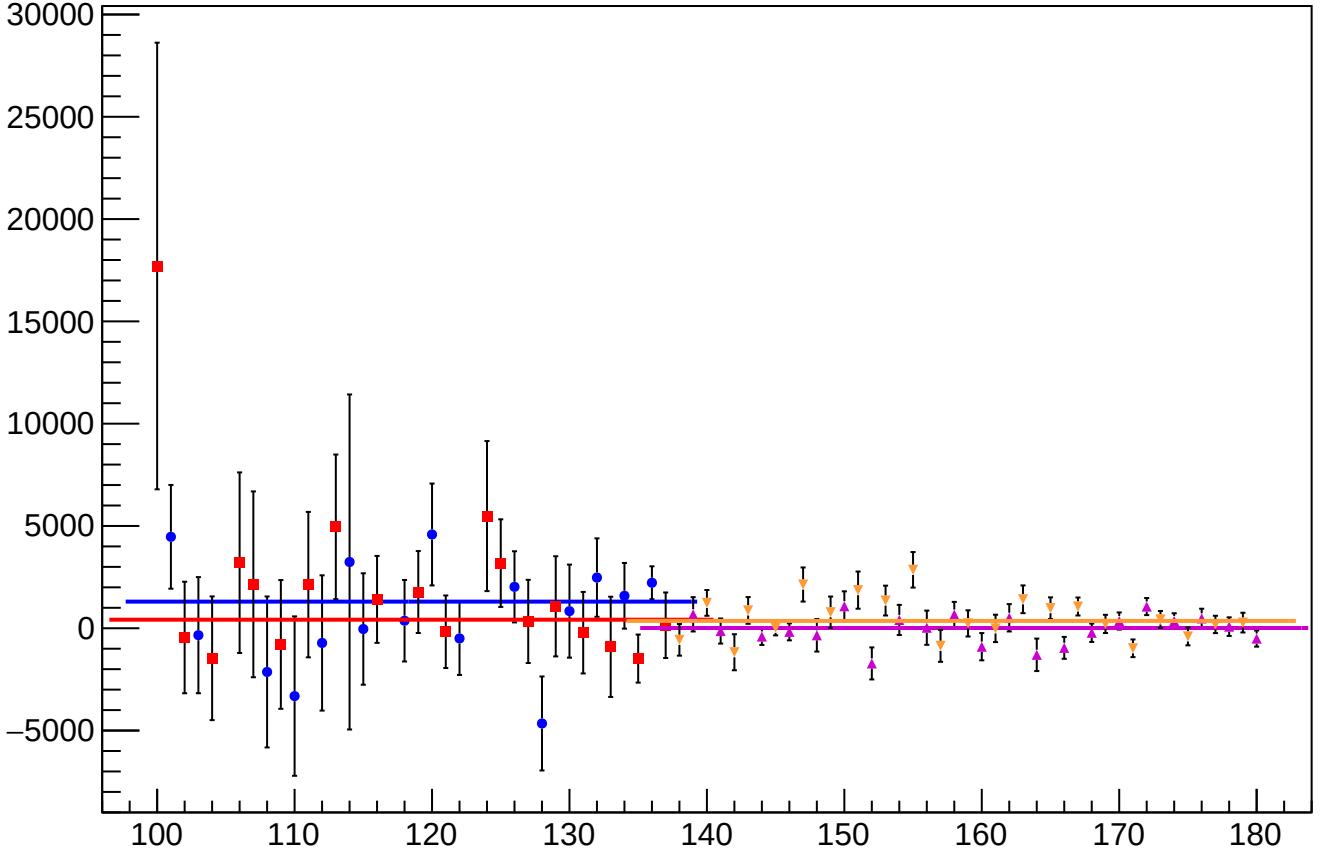
Left In: 456.494+/-0.081 χ^2/NDF:2538049.2/20

+ sign 509.524+/-0.081 χ^2/NDF: 9243885.7/37

All: 503.082+/-0.057 χ^2/NDF: 19128496.7/77

- 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: 359.236+/-118.489 χ^2/NDF:47.6/21

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

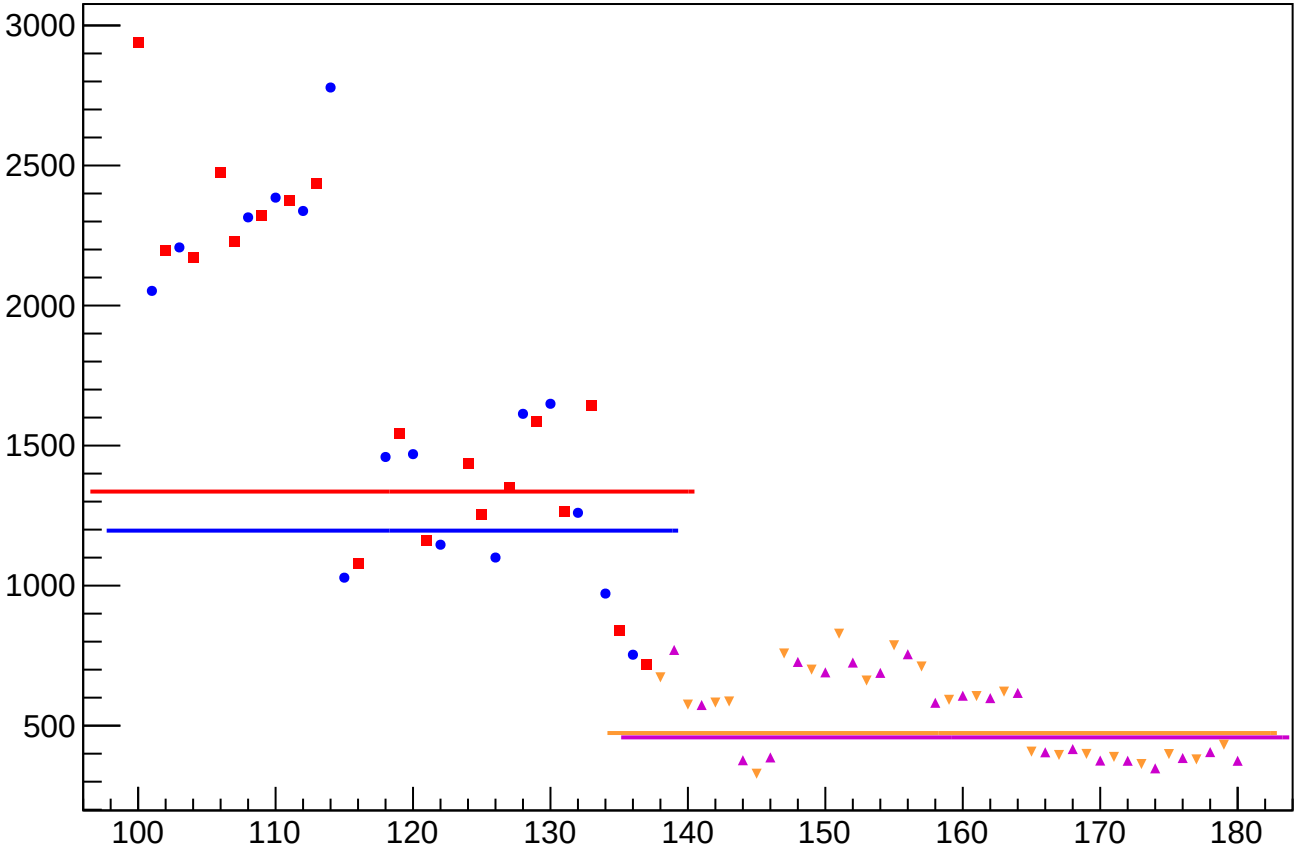
Left In: 11.768+/-115.207 χ^2/NDF:29.8/20

+ sign 412.949+/-115.062 χ^2/NDF: 67.7/37

All: 217.449+/-80.449 χ^2/NDF: 116.7/77

- 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: 473.722+/-0.084 χ^2/NDF:2655287.8/21

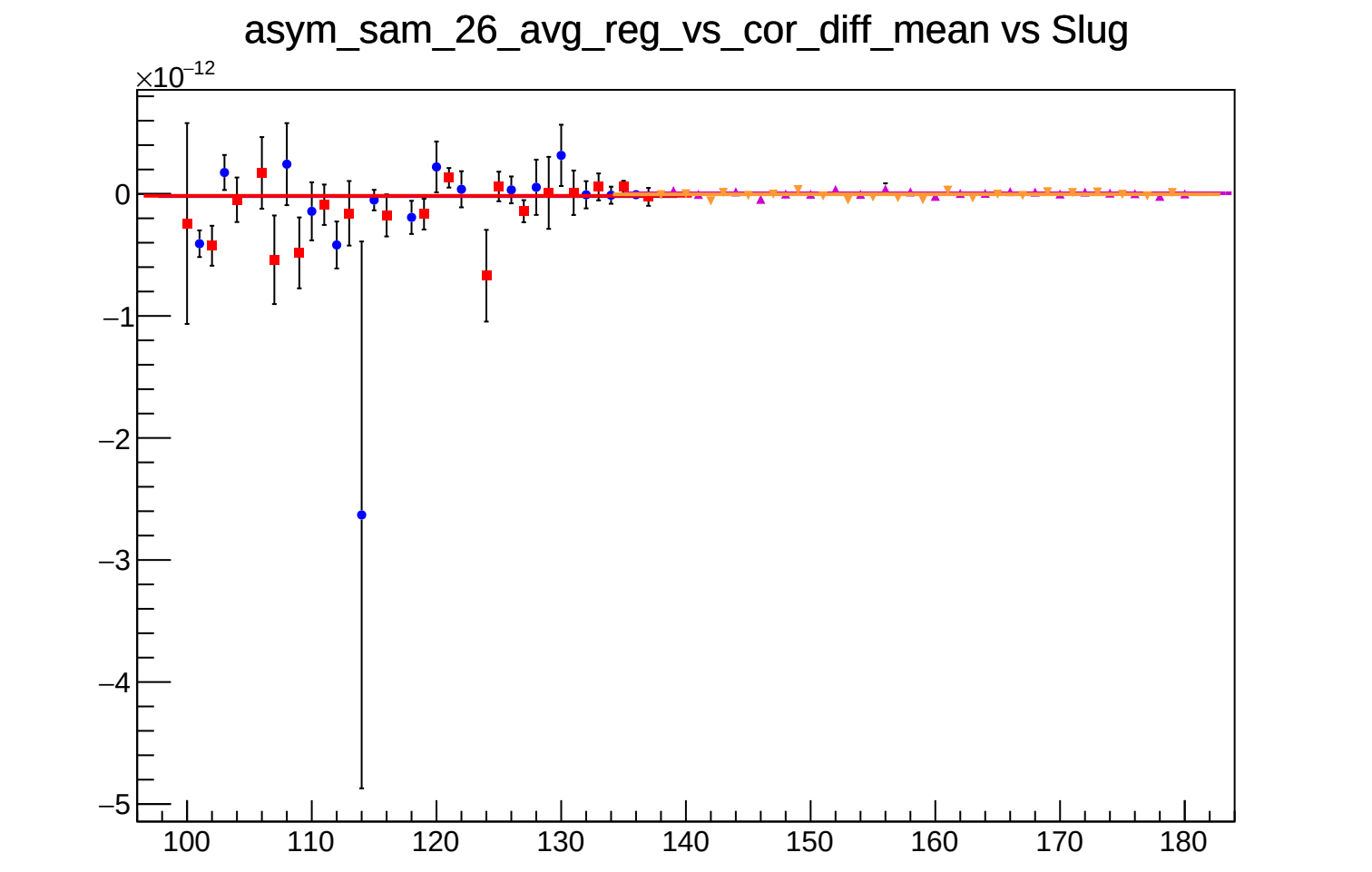
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 458.148+/-0.081 χ^2/NDF:2475573.3/20

+ sign 514.910+/-0.081 χ^2/NDF: 8926905.4/37

All: 506.543+/-0.057 χ^2/NDF: 18716655.1/77

- 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:19.8/21

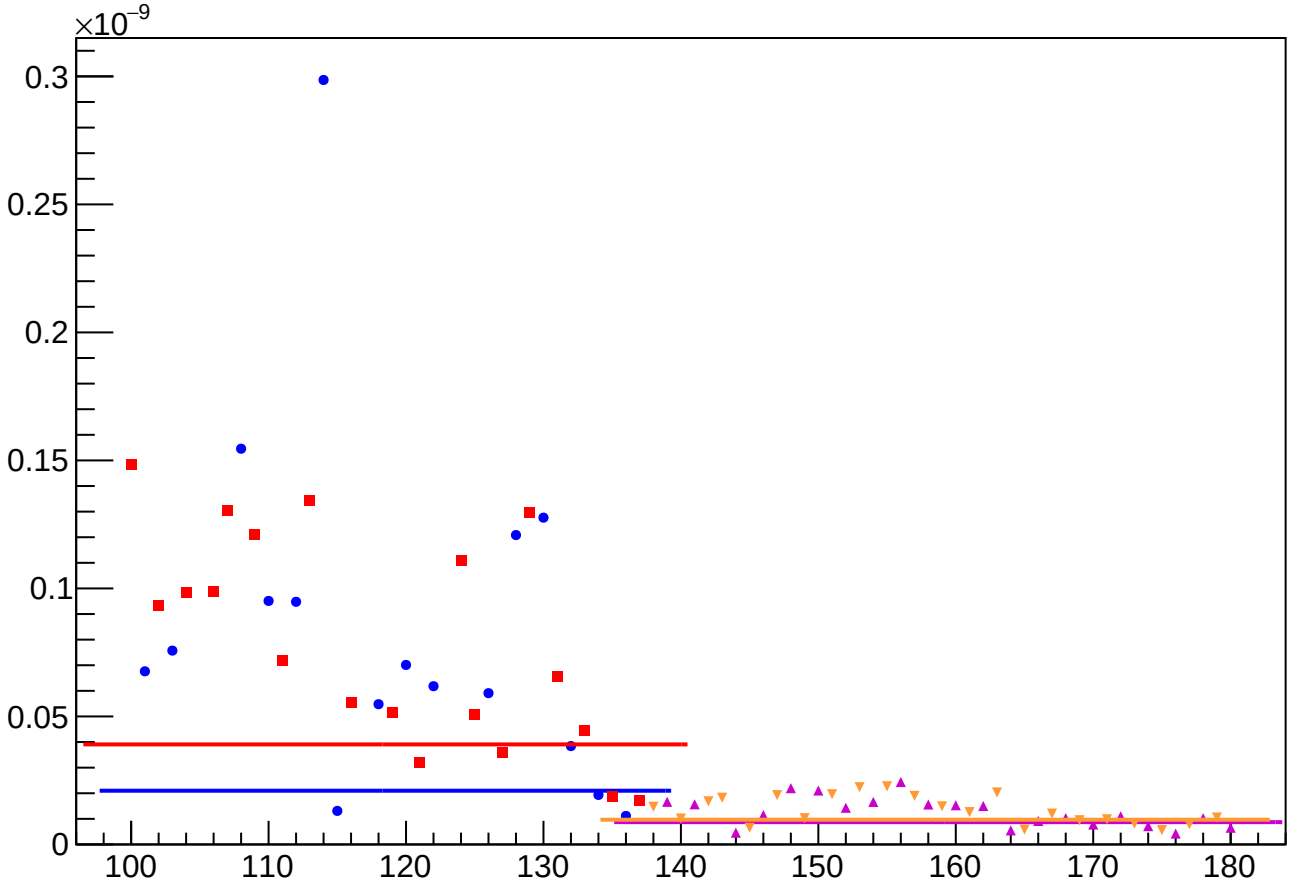
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/20

+ sign -0.000+/-0.000 χ^2/NDF: 47.2/37

All: 0.000+/-0.000 χ^2/NDF: 91.1/77

- 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:2379259.6/21

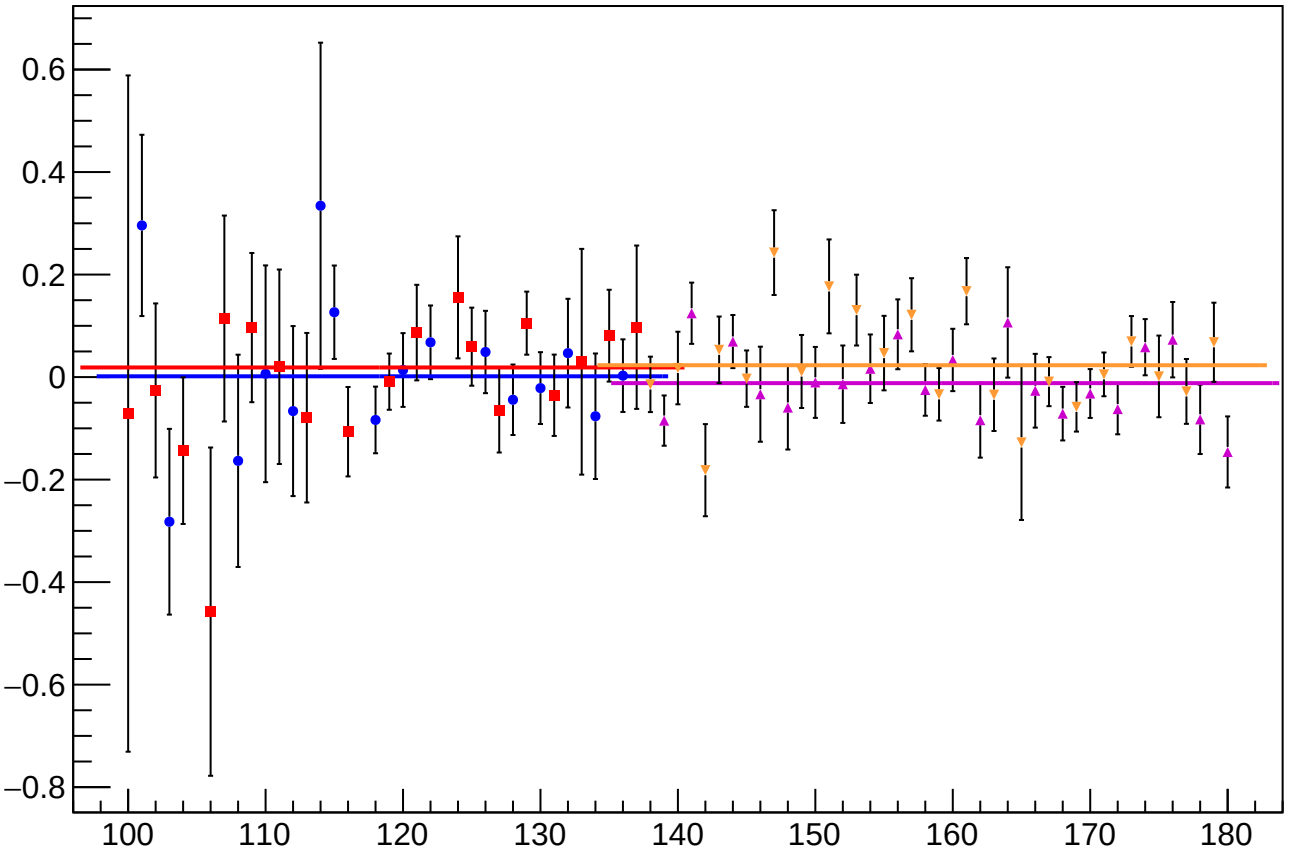
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2649866.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 6528853.3/37

All: 0.000+/-0.000 χ^2/NDF: 13680391.0/77

- 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: 0.023+/-0.013 χ^2/NDF:33.7/21

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

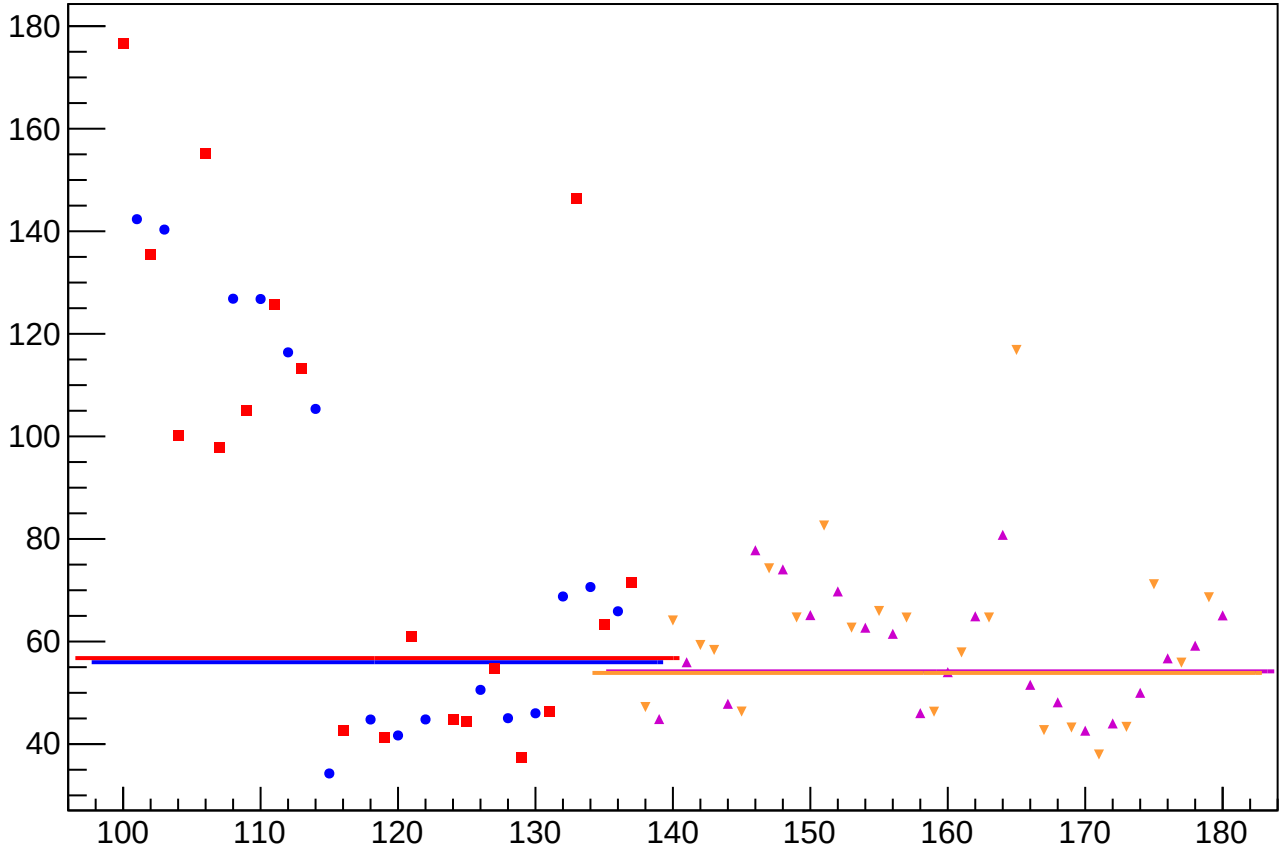
Left In: -0.012+/-0.014 χ^2/NDF:25.6/20

+ sign 0.018+/-0.012 χ^2/NDF: 47.5/37

All: 0.007+/-0.008 χ^2/NDF: 89.2/77

- 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: 53.881+/-0.009 χ^2/NDF:1813109.3/21

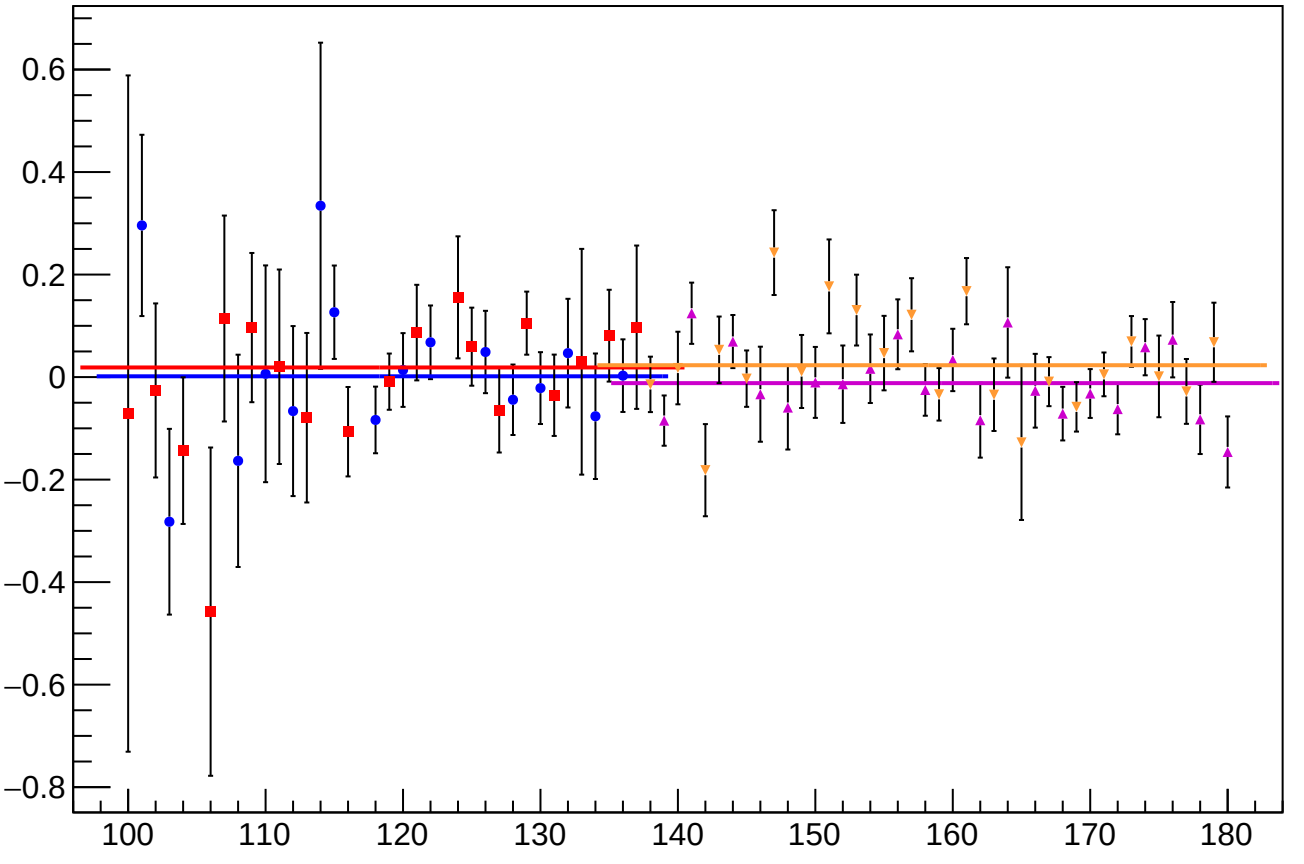
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.184+/-0.010 χ^2/NDF:1066635.0/20

+ sign 54.397+/-0.008 χ^2/NDF: 4004904.3/37

All: 54.611+/-0.006 χ^2/NDF: 7644294.1/77

- 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: 0.023+/-0.013 χ^2/NDF:33.7/21

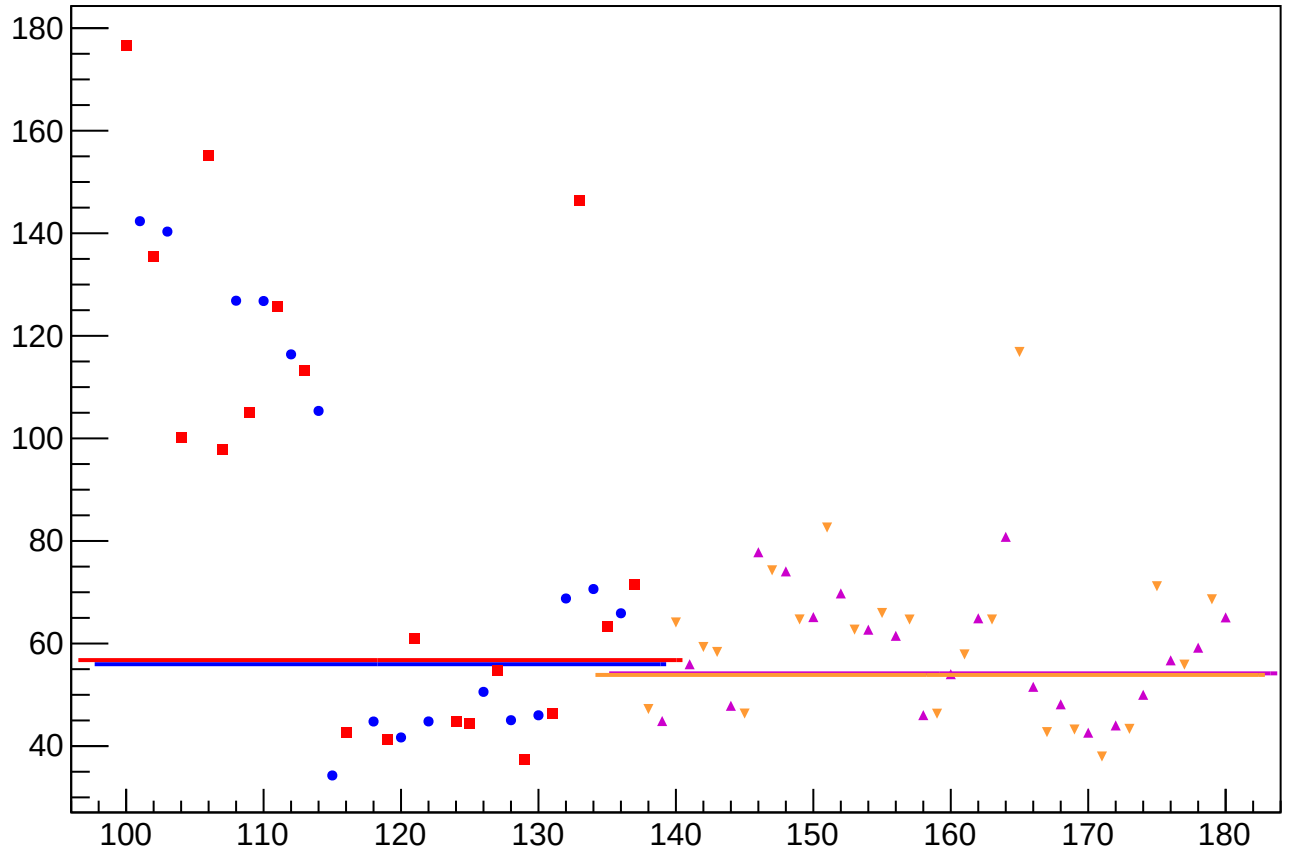
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.014 χ^2/NDF:25.6/20

+ sign 0.018+/-0.012 χ^2/NDF: 47.5/37

All: 0.007+/-0.008 χ^2/NDF: 89.2/77

- 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: 53.881+/-0.009 χ^2/NDF:1813109.3/21

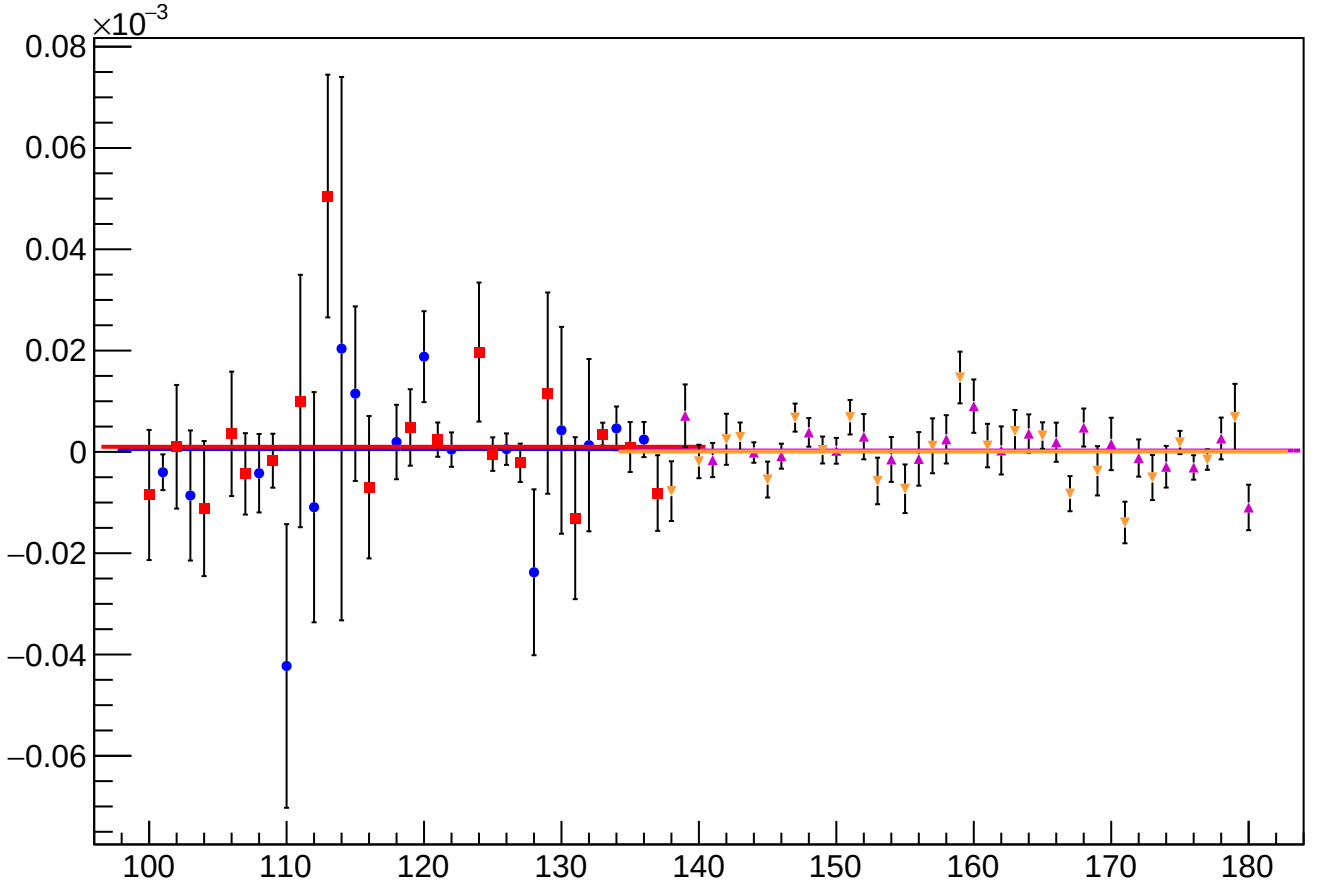
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.184+/-0.010 χ^2/NDF:1066635.0/20

+ sign 54.397+/-0.008 χ^2/NDF: 4004904.3/37

All: 54.611+/-0.006 χ^2/NDF: 7644294.1/77

- 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:51.9/21

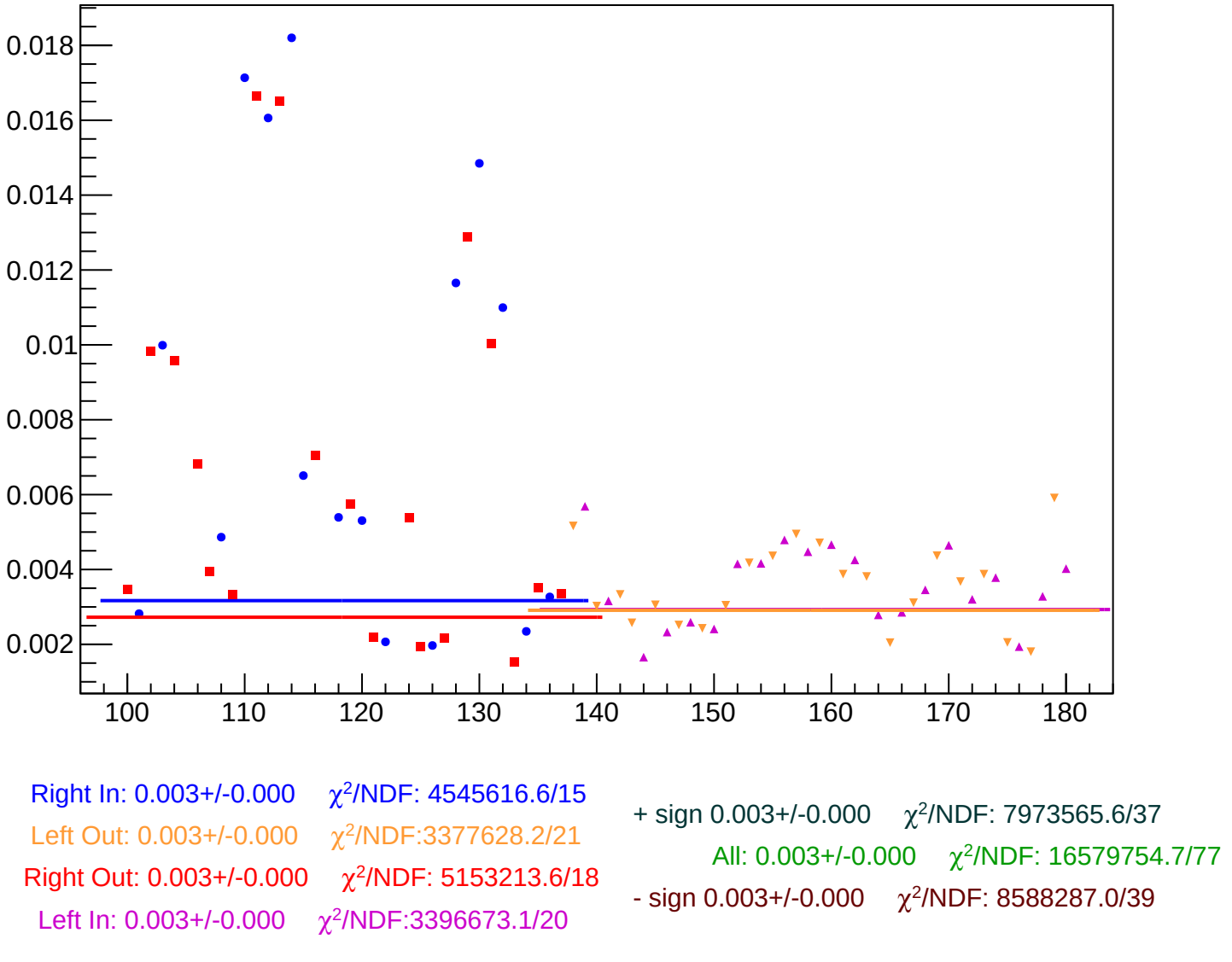
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

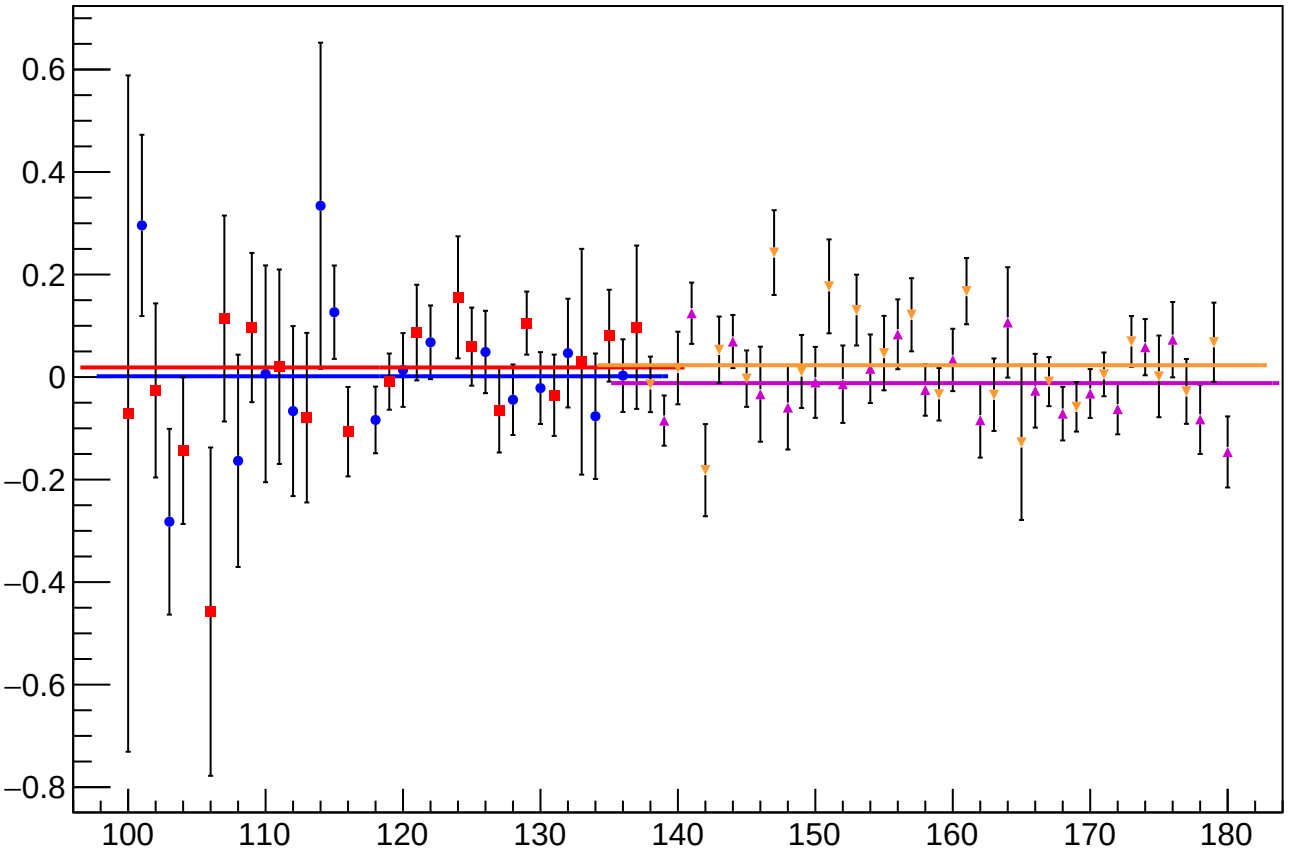
Left In: 0.000+/-0.000 χ^2/NDF:18.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 65.3/37

All: 0.000+/-0.000 χ^2/NDF: 98.2/77

- 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:3377628.2/21
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: 7973565.6/37
All: 0.003+/-0.000 χ²/NDF: 16579754.7/77
- sign 0.003+/-0.000 χ²/NDF: 8588287.0/39



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

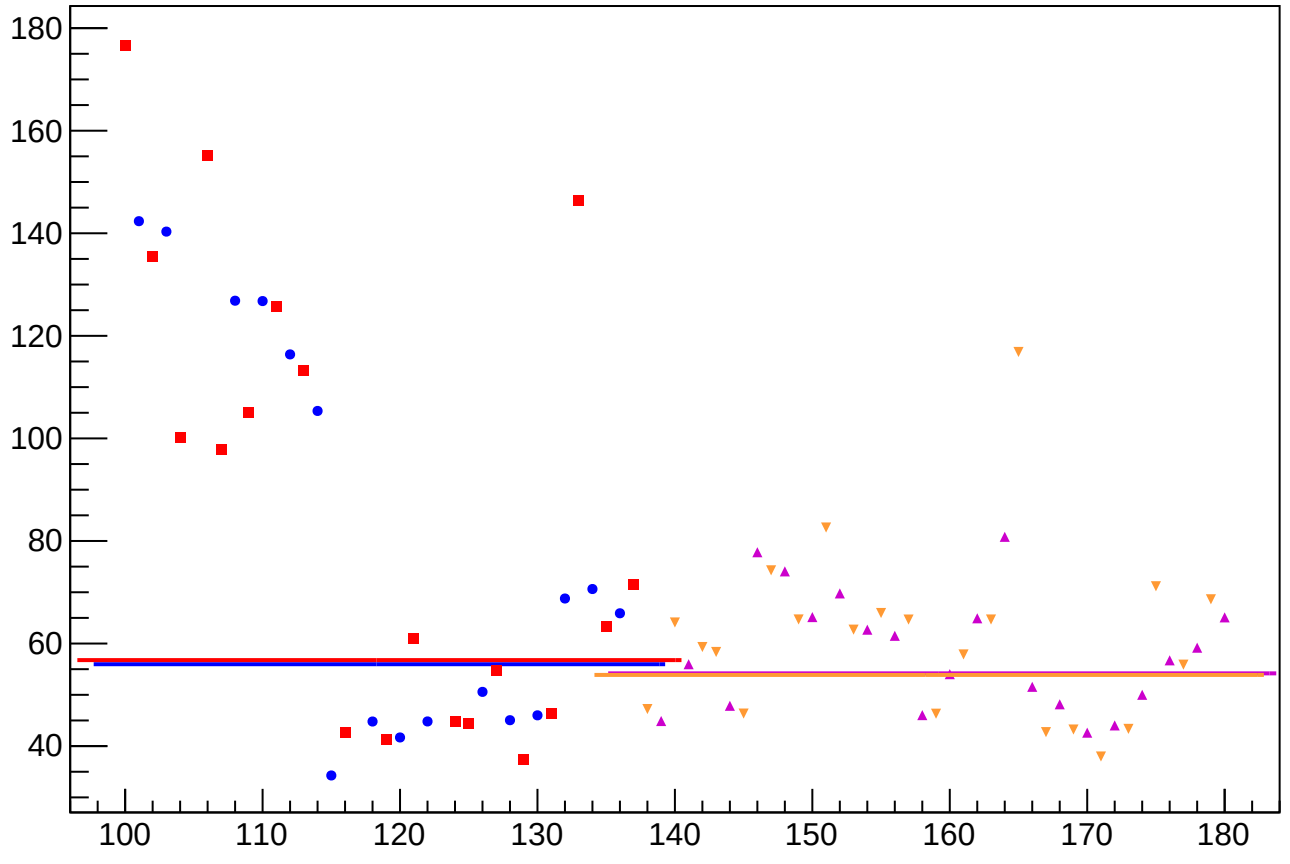
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.014 χ^2/NDF:25.6/20

+ sign 0.018+/-0.012 χ^2/NDF: 47.5/37

All: 0.007+/-0.008 χ^2/NDF: 89.2/77

- 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: 53.881+/-0.009 χ^2/NDF:1813114.1/21

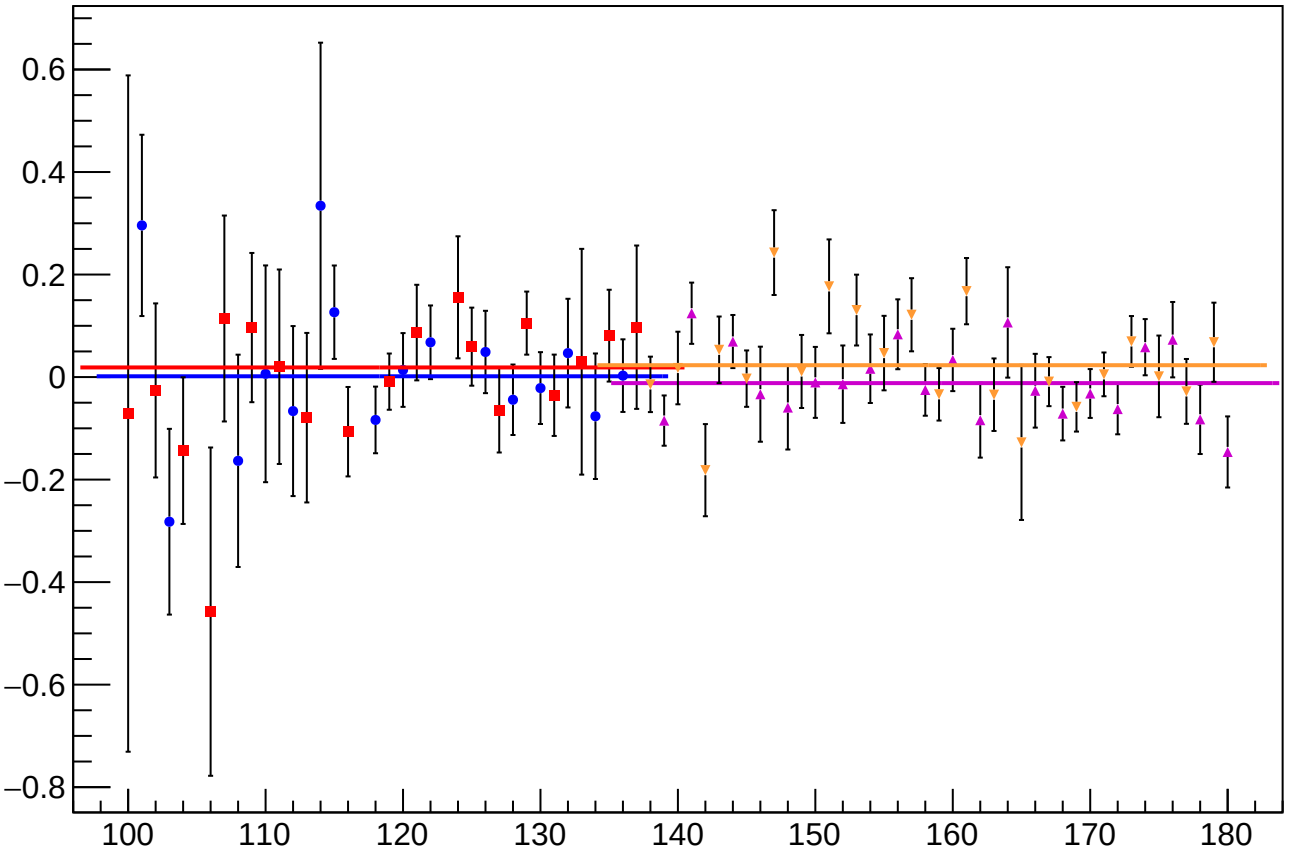
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.184+/-0.010 χ^2/NDF:1066607.6/20

+ sign 54.397+/-0.008 χ^2/NDF: 4004828.6/37

All: 54.611+/-0.006 χ^2/NDF: 7644120.3/77

- sign 54.828+/-0.008 χ^2/NDF: 3637929.8/39



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

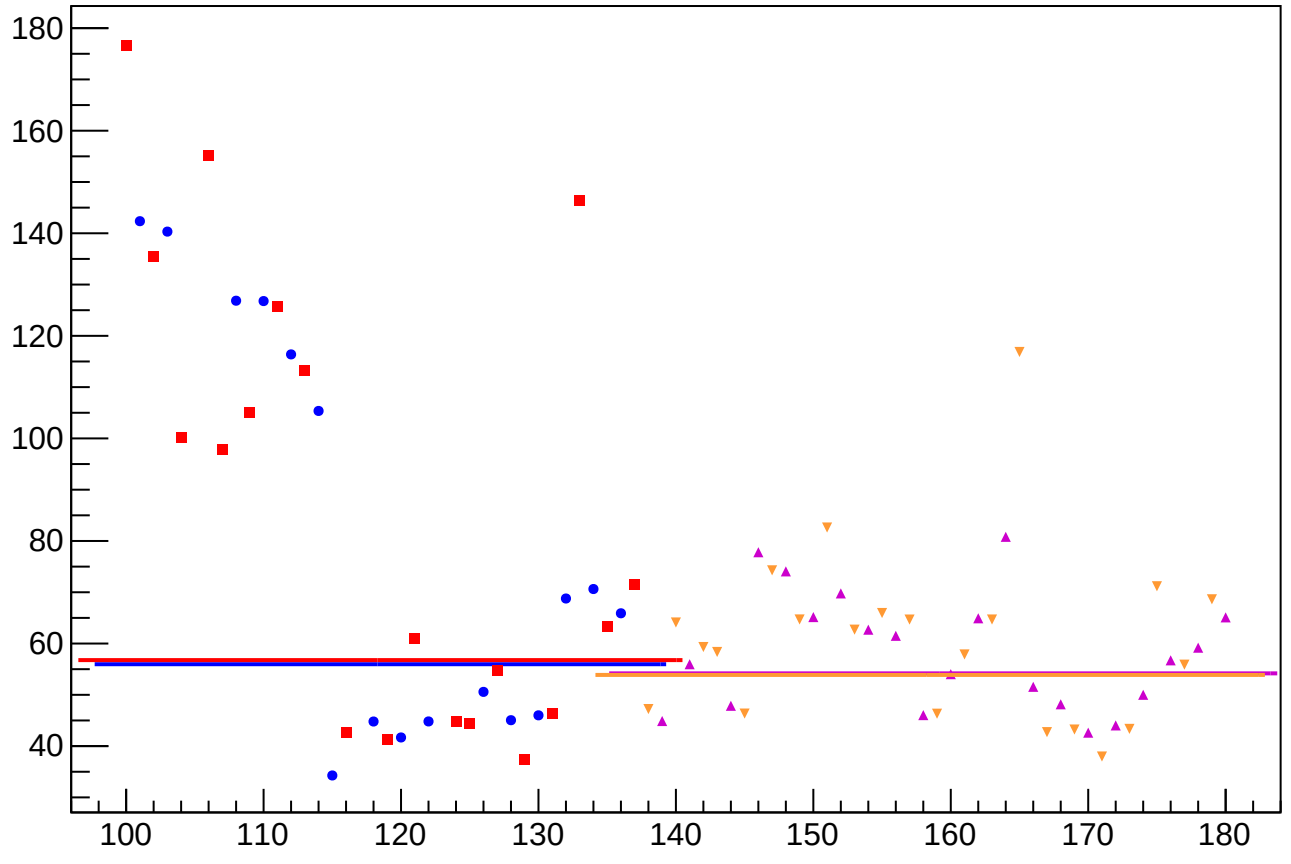
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.012+/-0.014 χ^2/NDF:25.6/20

+ sign 0.018+/-0.012 χ^2/NDF: 47.5/37

All: 0.007+/-0.008 χ^2/NDF: 89.2/77

- 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: 53.881+/-0.009 χ^2/NDF:1813114.1/21

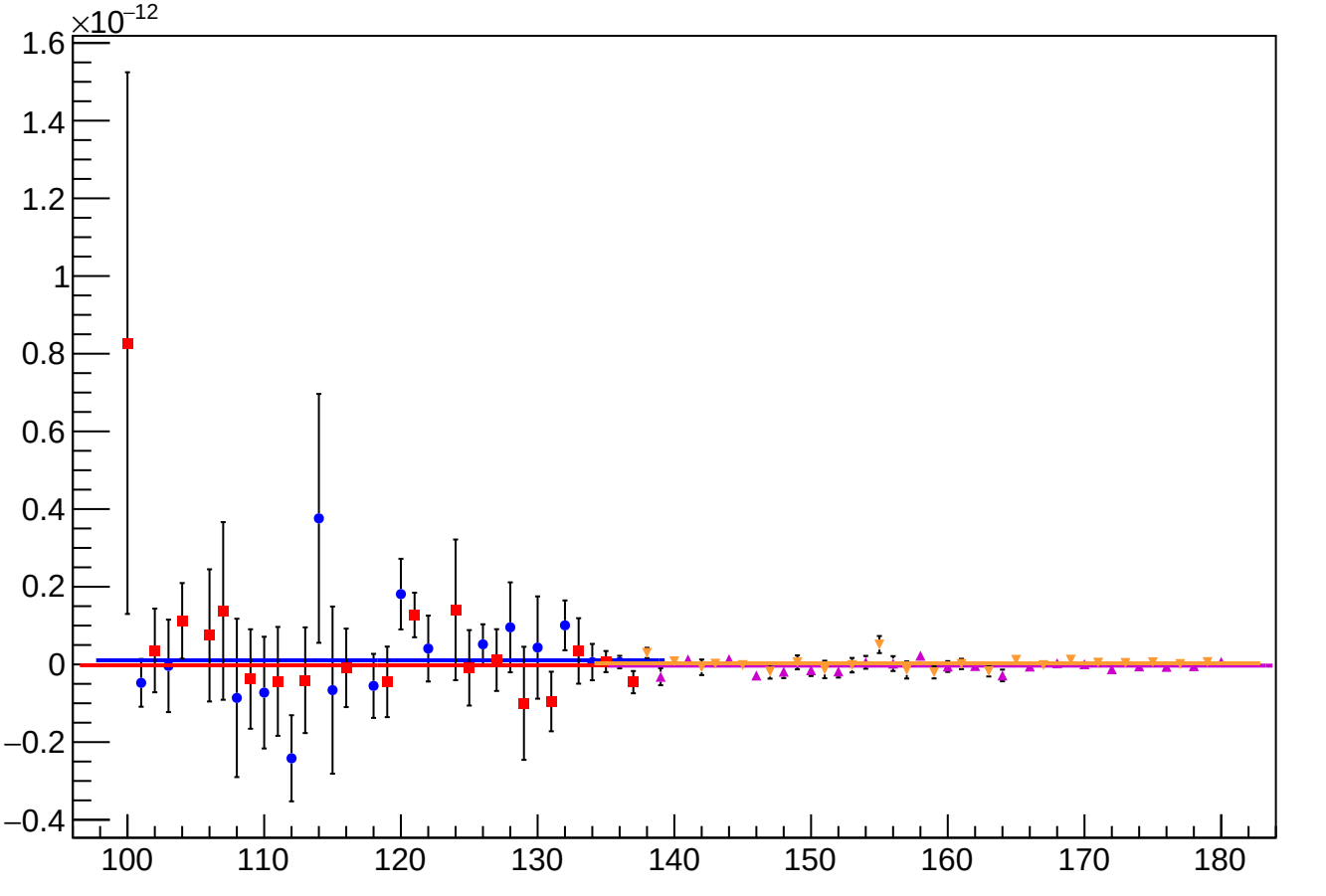
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.184+/-0.010 χ^2/NDF:1066607.6/20

+ sign 54.397+/-0.008 χ^2/NDF: 4004828.6/37

All: 54.611+/-0.006 χ^2/NDF: 7644120.3/77

- sign 54.828+/-0.008 χ^2/NDF: 3637929.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/21

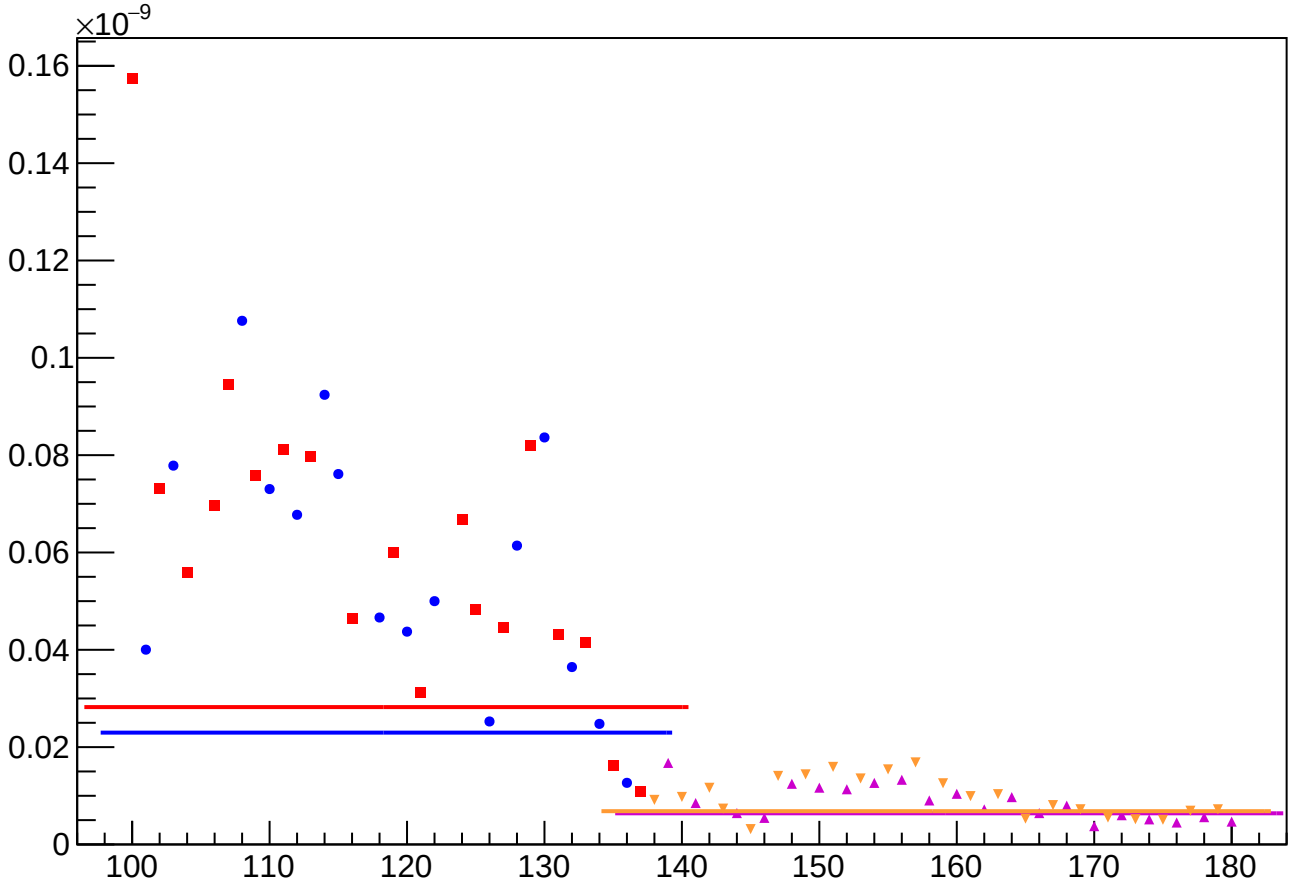
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:32.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 35.9/37

All: -0.000+/-0.000 χ^2/NDF: 86.9/77

- sign -0.000+/-0.000 χ^2/NDF: 46.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4230334.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

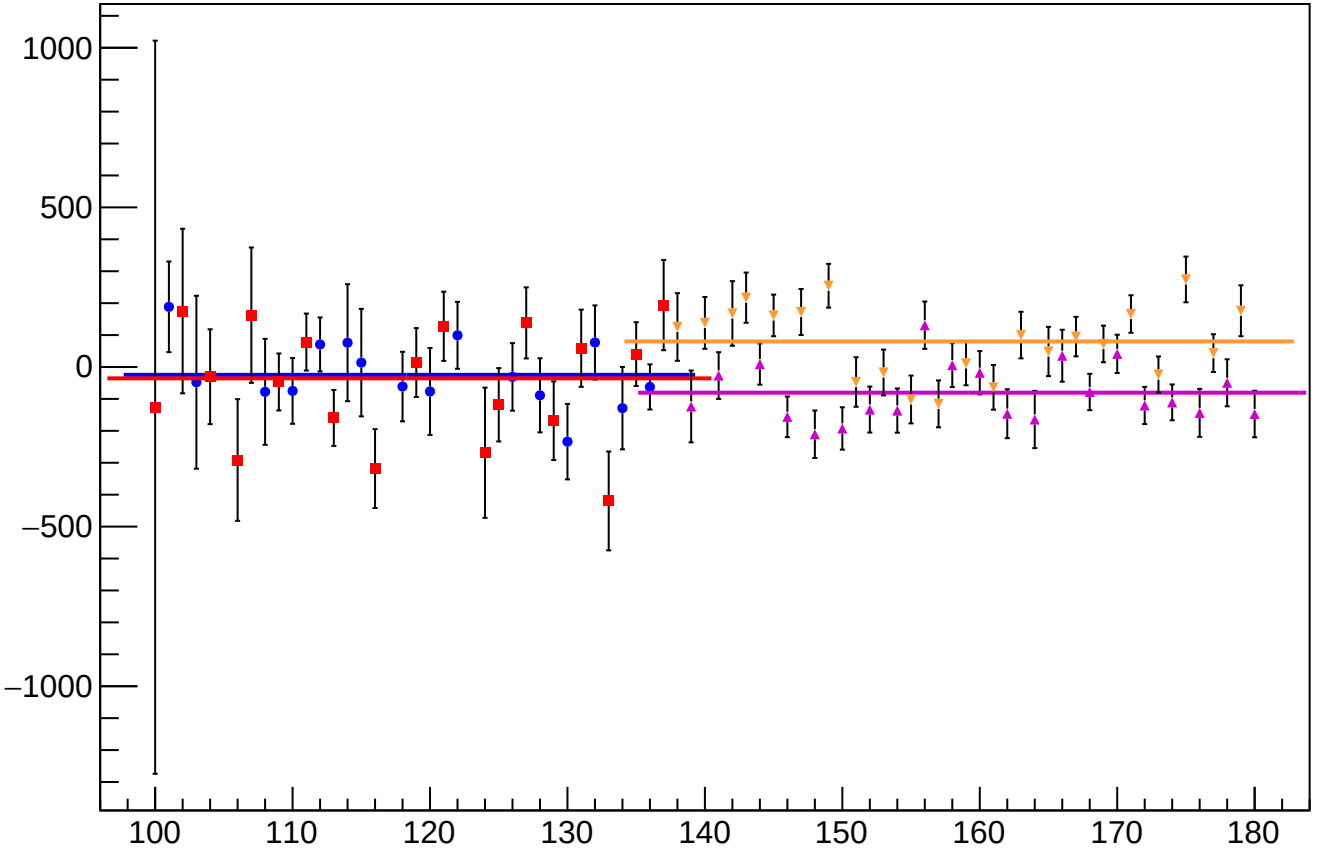
Left In: 0.000+/-0.000 χ^2/NDF:3037278.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 10978335.3/37

All: 0.000+/-0.000 χ^2/NDF: 21790620.9/77

- sign 0.000+/-0.000 χ^2/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: 80.065+/-15.000 χ^2/NDF:51.9/21

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

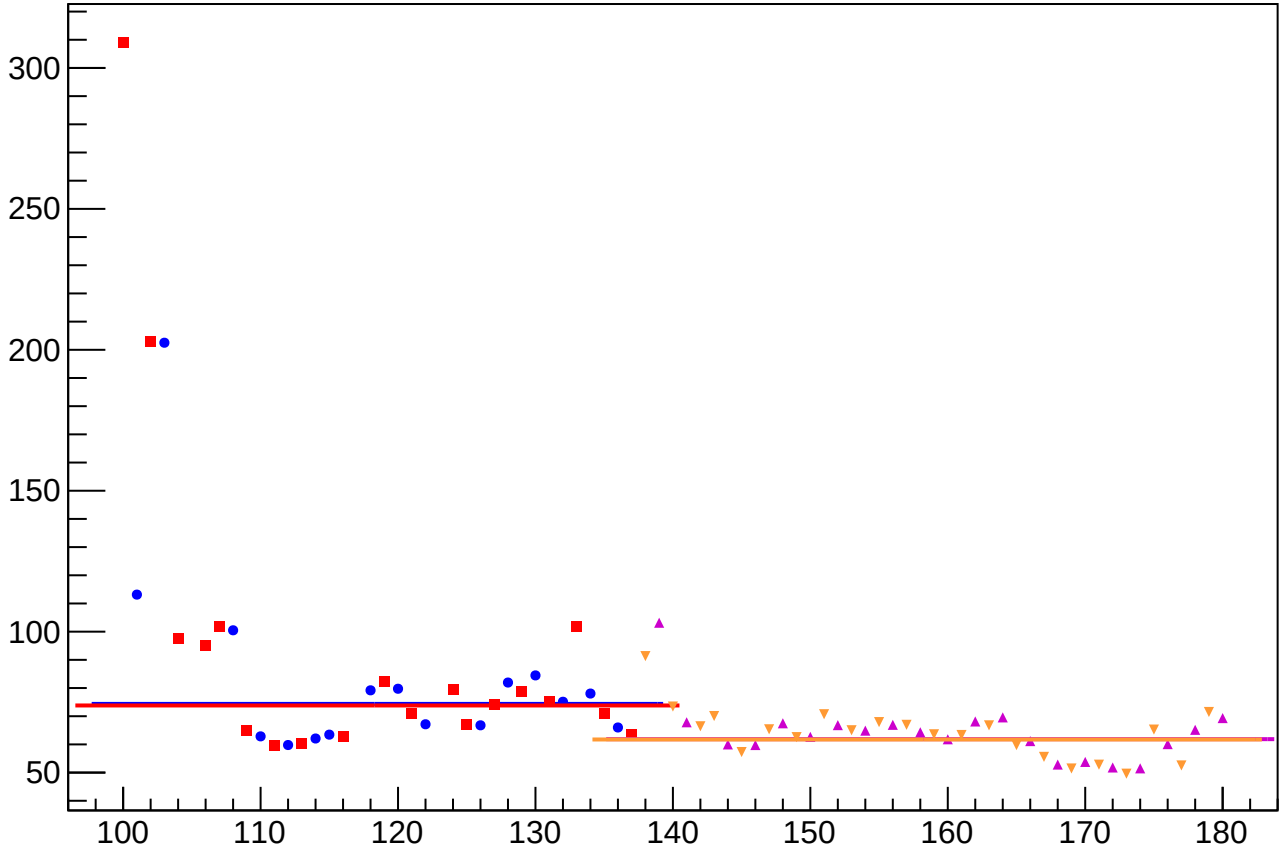
Left In: -80.459+/-15.126 χ^2/NDF:32.0/20

+ sign 57.861+/-13.315 χ^2/NDF: 73.2/37

All: -6.157+/-9.430 χ^2/NDF: 183.6/77

- 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: 61.745+/-0.011 χ^2/NDF:612677.9/21

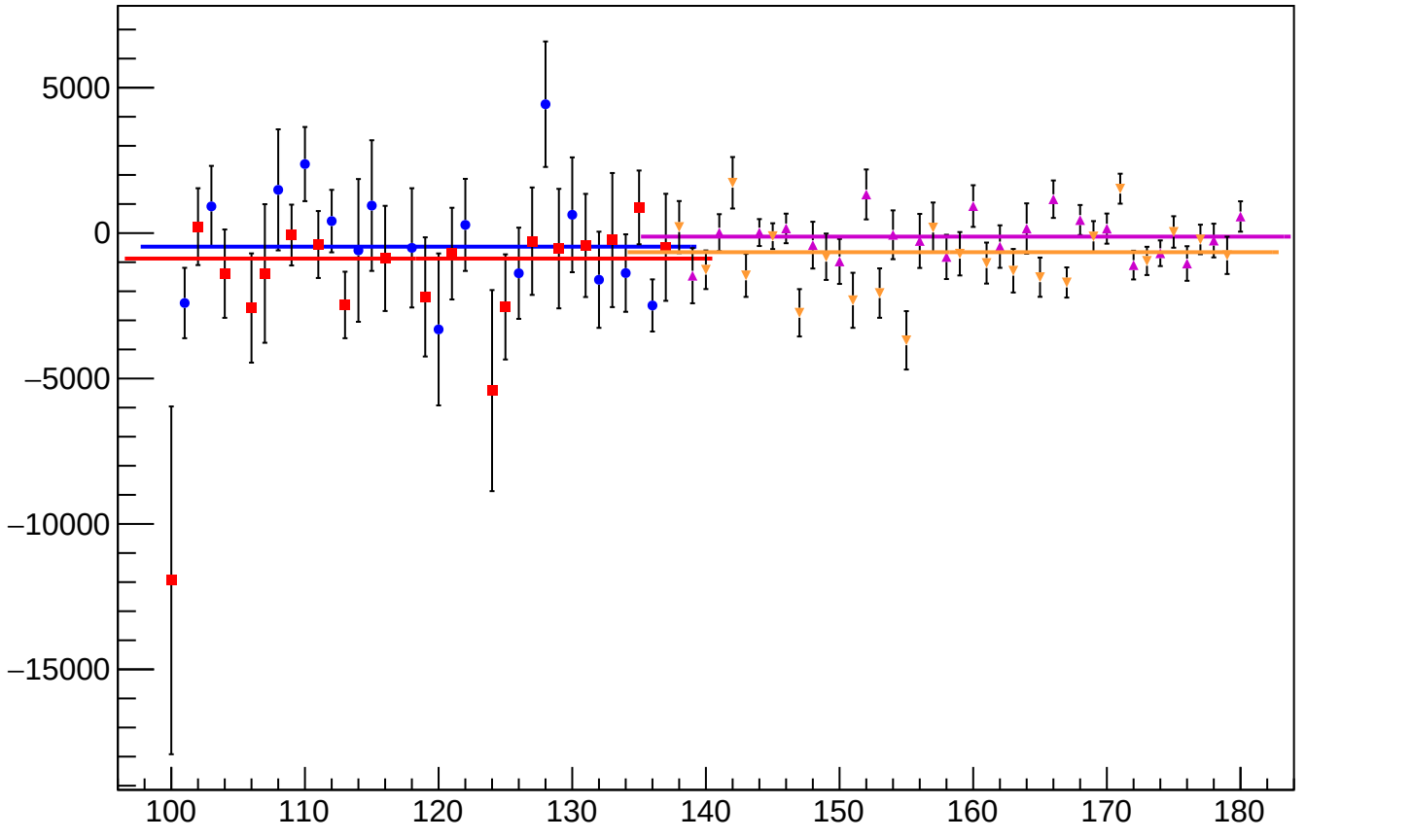
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.863+/-0.011 χ^2/NDF:592725.9/20

+ sign 64.423+/-0.009 χ^2/NDF: 1740661.4/37

All: 64.459+/-0.007 χ^2/NDF: 3540469.2/77

- 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: -656.386+/-138.098 χ^2/NDF:62.7/21

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

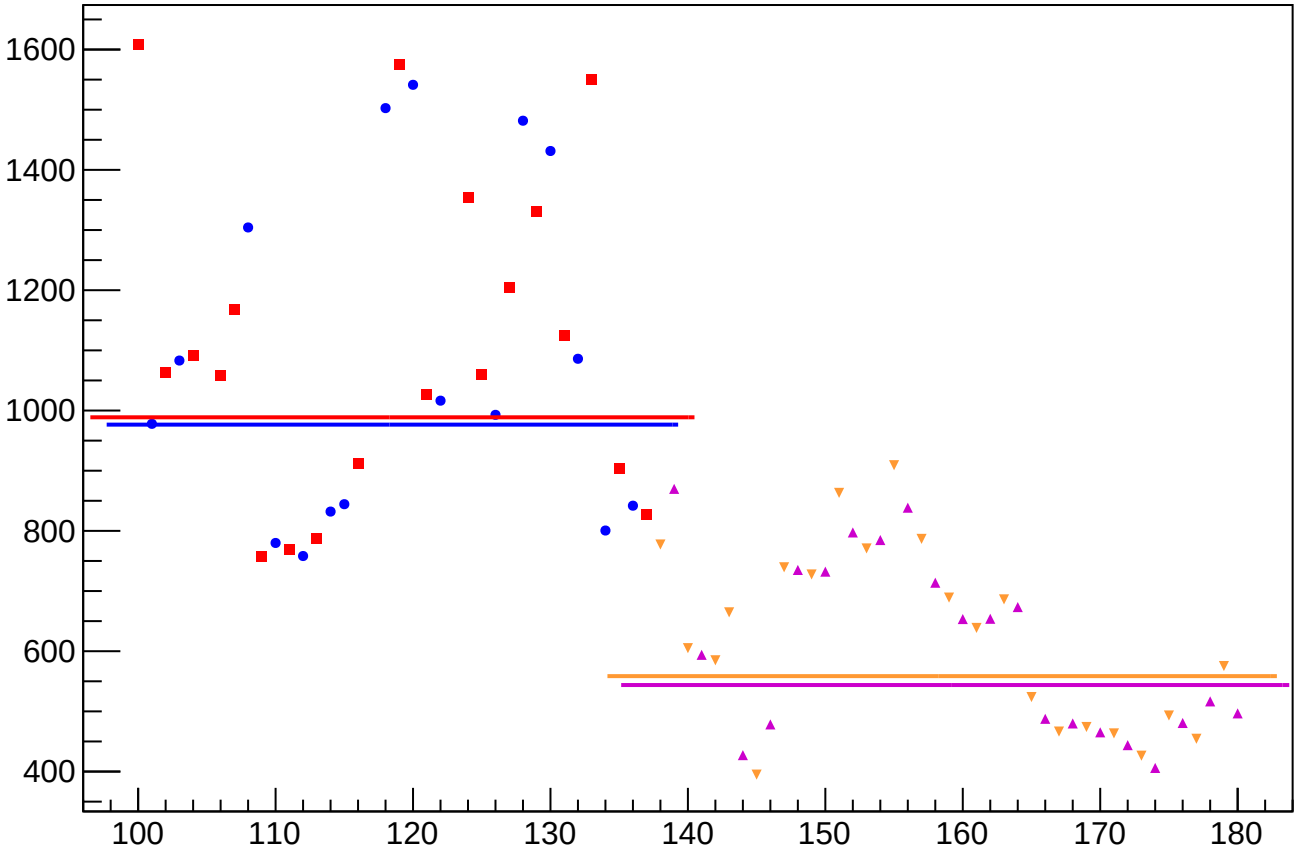
Left In: -120.954+/-135.167 χ^2/NDF:25.3/20

+ sign -633.715+/-129.591 χ^2/NDF: 86.6/37

All: -417.070+/-90.723 χ^2/NDF: 134.1/77

- 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: 558.586+/-0.098 χ^2/NDF:1944189.1/21

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

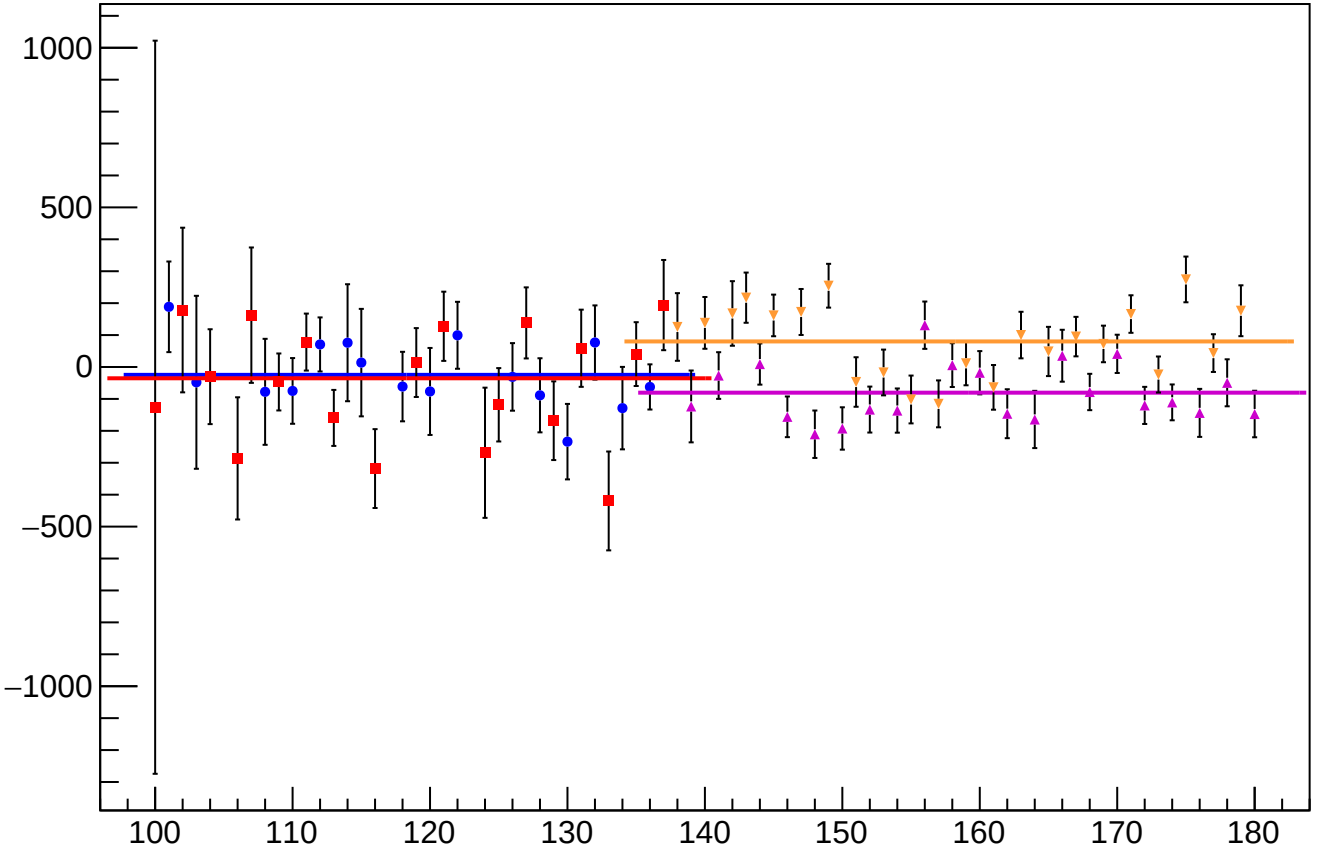
Left In: 543.795+/-0.096 χ^2/NDF:1829651.5/20

+ sign 608.496+/-0.092 χ^2/NDF: 4868658.3/37

All: 601.936+/-0.064 χ^2/NDF: 9949024.1/77

- 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: 80.068+/-15.000 χ^2/NDF:51.9/21

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

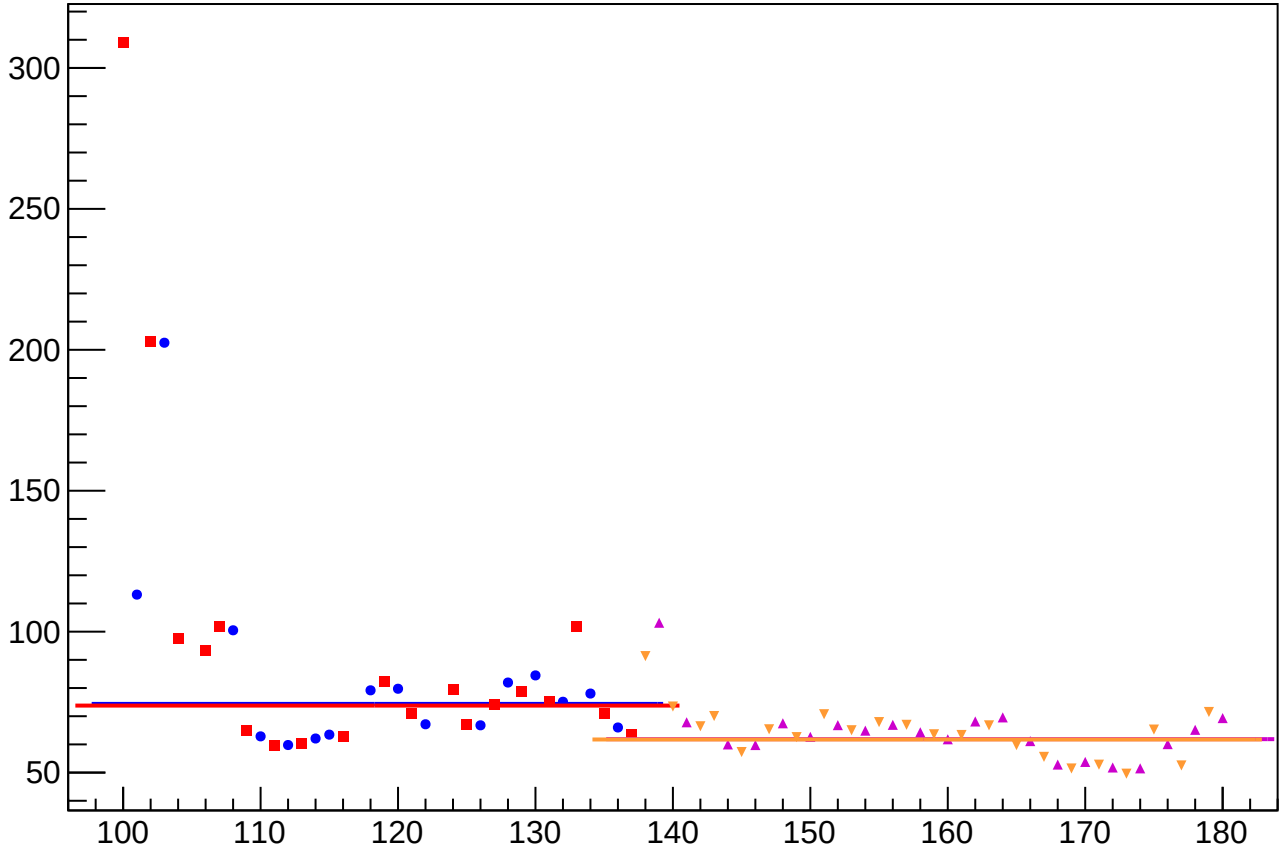
Left In: -80.458+/-15.126 χ^2/NDF:32.0/20

+ sign 57.862+/-13.315 χ^2/NDF: 73.2/37

All: -6.134+/-9.430 χ^2/NDF: 183.5/77

- 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: 61.745+/-0.011 χ^2/NDF:612677.9/21

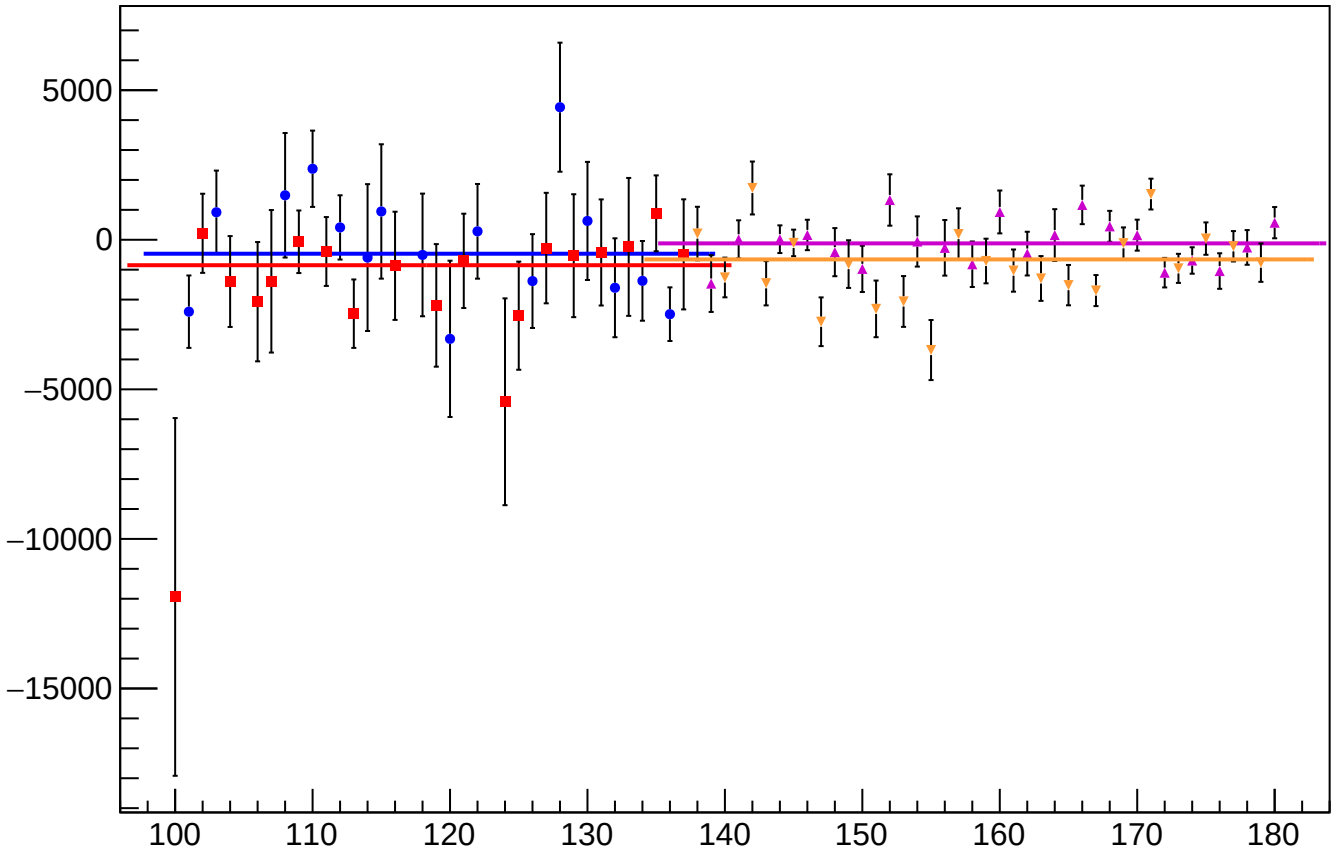
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.863+/-0.011 χ^2/NDF:592725.9/20

+ sign 64.423+/-0.009 χ^2/NDF: 1740663.2/37

All: 64.455+/-0.007 χ^2/NDF: 3534711.5/77

- 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: -656.382+/-138.098 χ^2/NDF:62.7/21

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

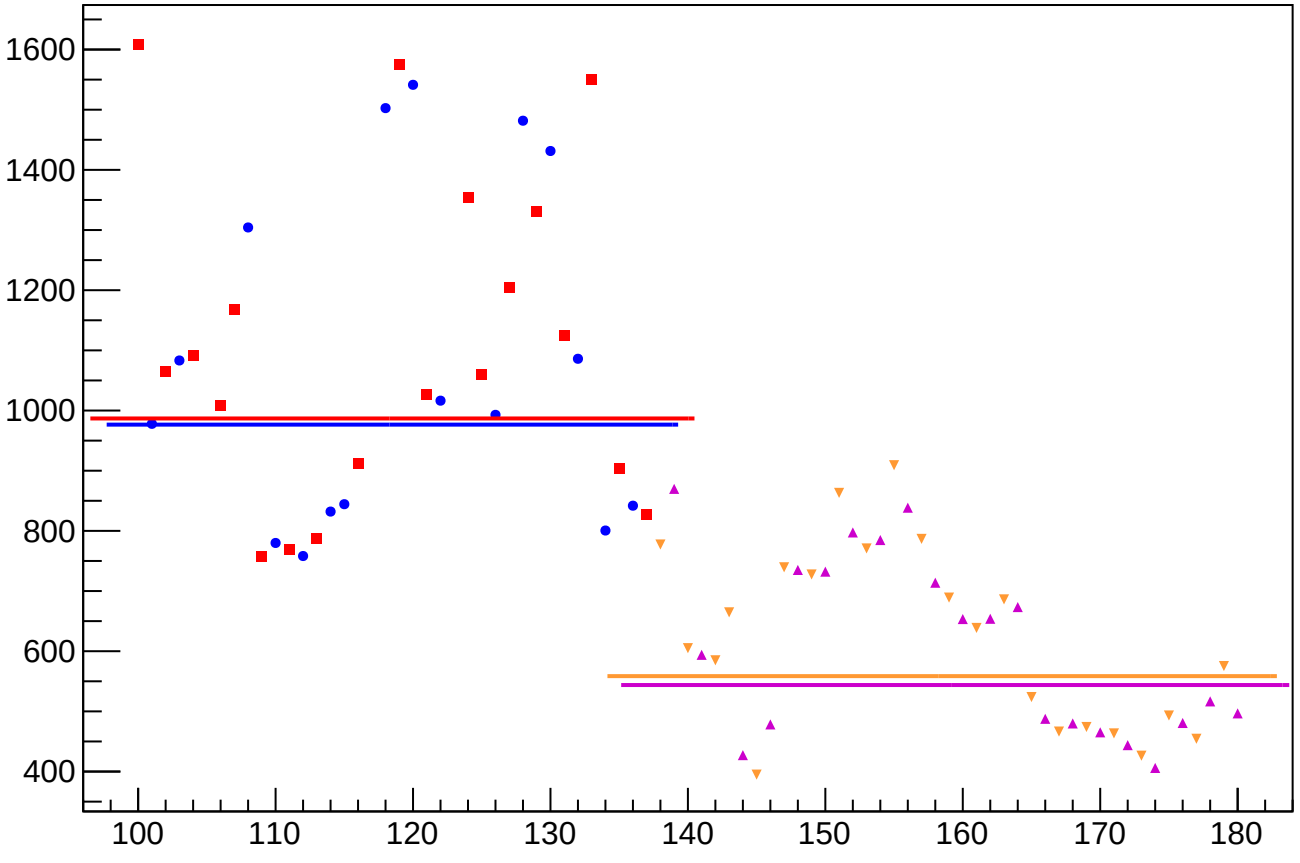
Left In: -120.952+/-135.167 χ^2/NDF:25.3/20

+ sign -633.711+/-129.591 χ^2/NDF: 86.6/37

All: -415.488+/-90.735 χ^2/NDF: 133.5/77

- 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: 558.585+/-0.098 χ^2/NDF:1944190.9/21

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

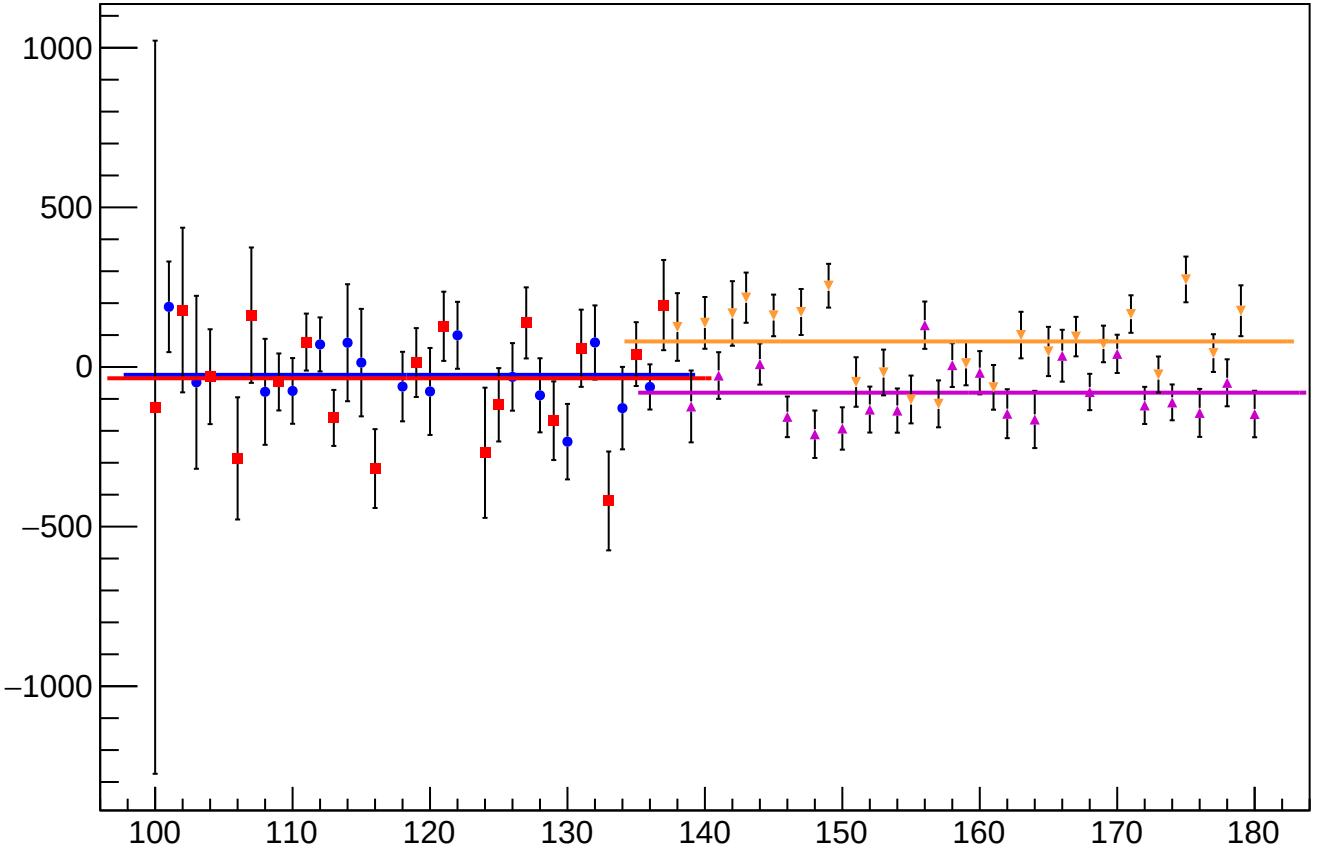
Left In: 543.795+/-0.096 χ^2/NDF:1829651.7/20

+ sign 608.496+/-0.092 χ^2/NDF: 4868722.3/37

All: 601.716+/-0.064 χ^2/NDF: 9915309.5/77

- 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: 80.068+/-15.000 χ^2/NDF:51.9/21

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

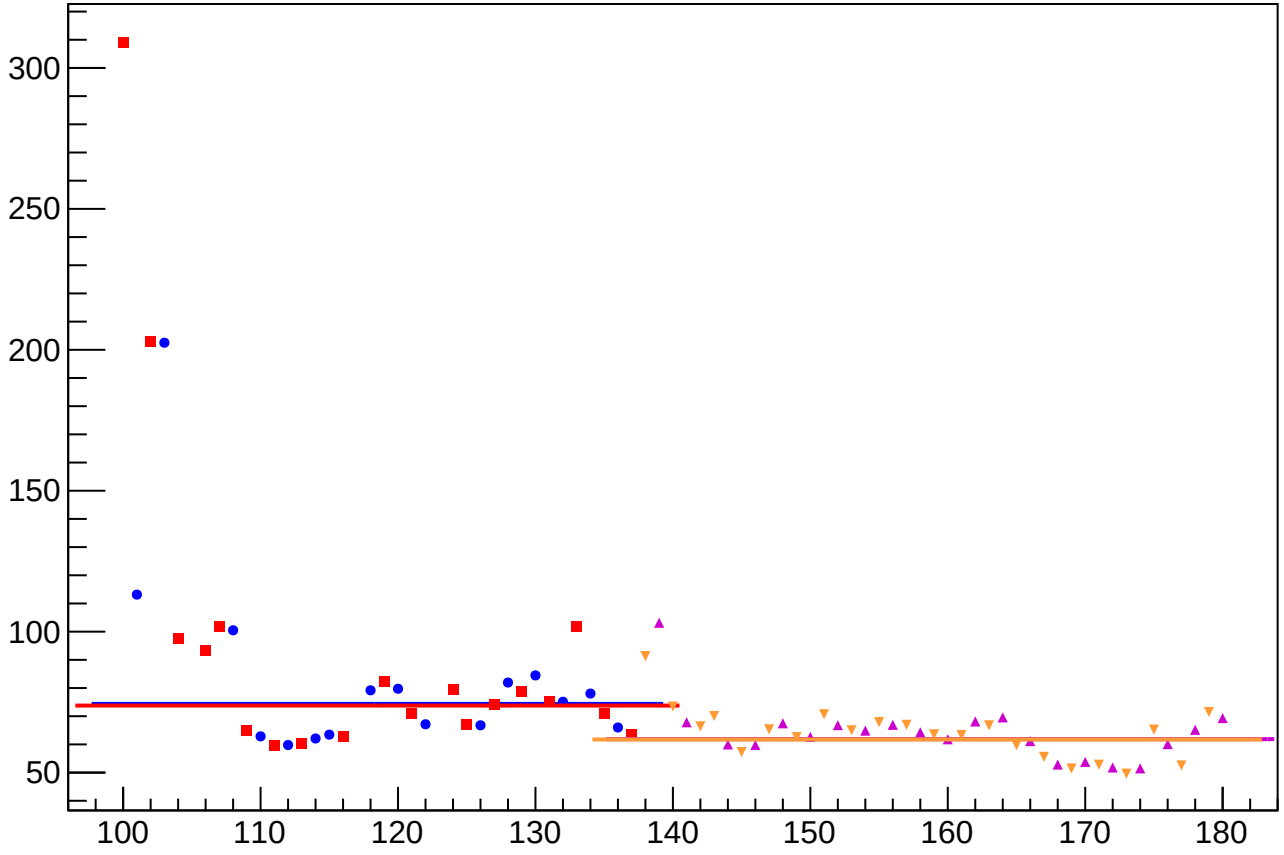
Left In: -80.458+/-15.126 χ^2/NDF:32.0/20

+ sign 57.862+/-13.315 χ^2/NDF: 73.2/37

All: -6.134+/-9.430 χ^2/NDF: 183.5/77

- 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: 61.745+/-0.011 χ^2/NDF:612677.9/21

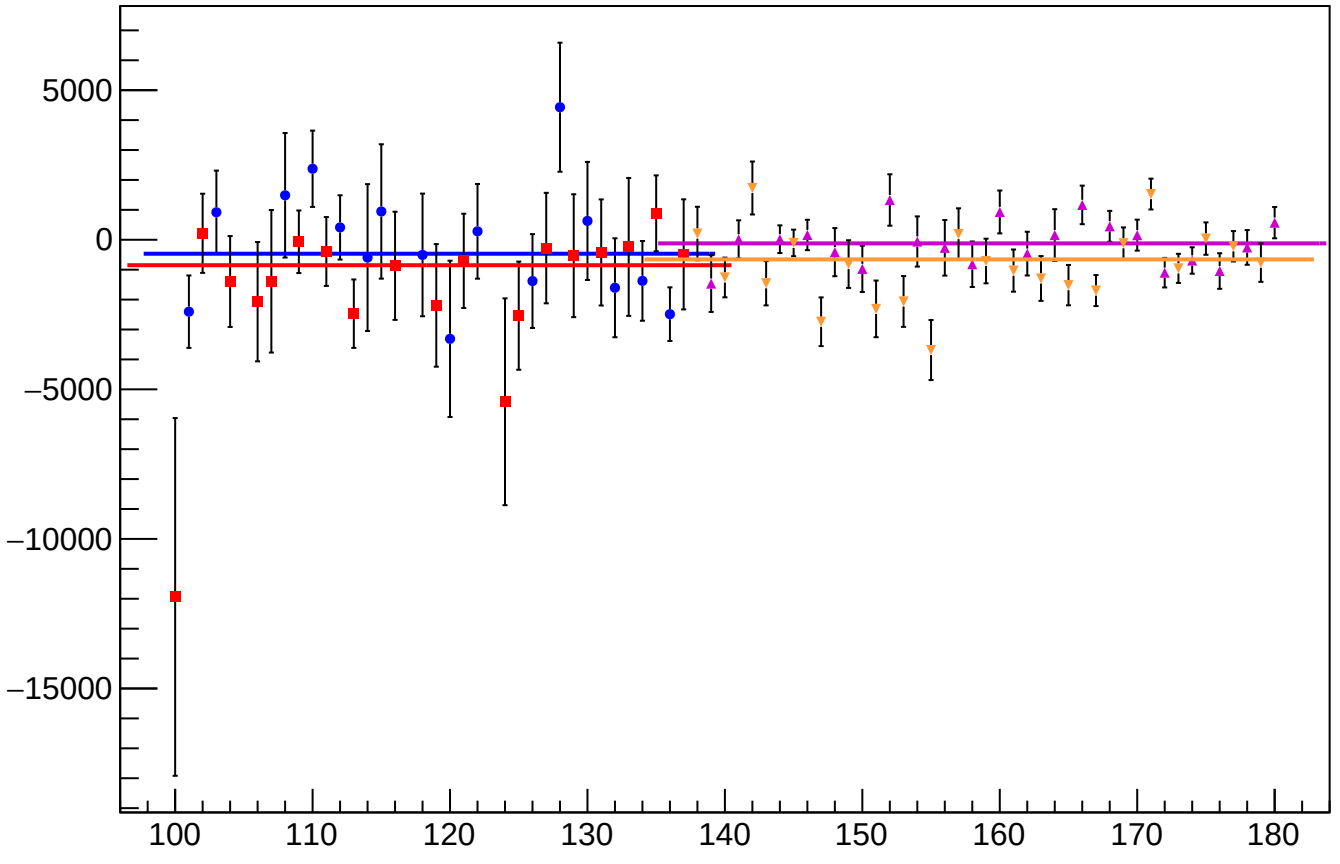
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.863+/-0.011 χ^2/NDF:592725.9/20

+ sign 64.423+/-0.009 χ^2/NDF: 1740663.2/37

All: 64.455+/-0.007 χ^2/NDF: 3534711.5/77

- 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: -656.382+/-138.098 χ^2/NDF:62.7/21

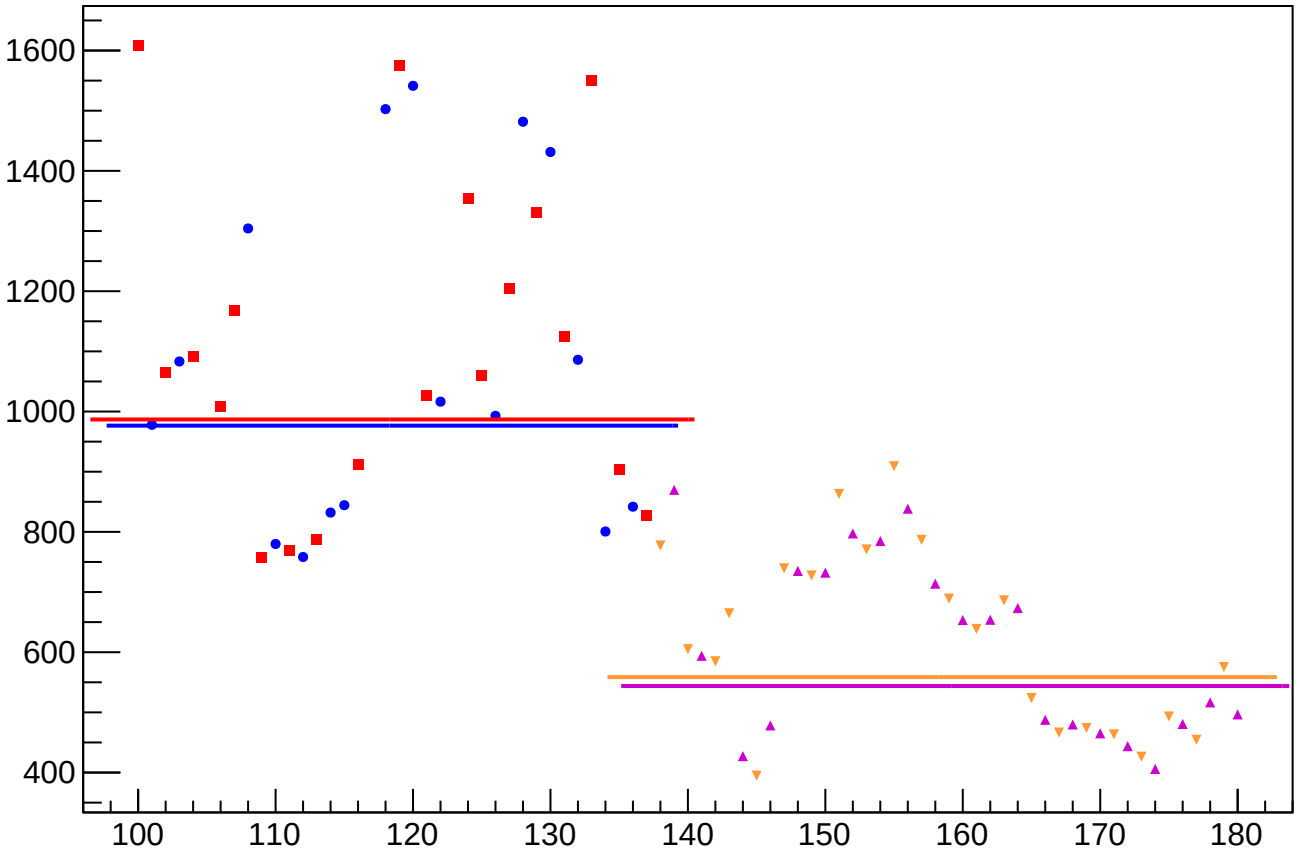
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -120.952+/-135.167 χ^2/NDF:25.3/20

+ sign -633.711+/-129.591 χ^2/NDF: 86.6/37

All: -415.488+/-90.735 χ^2/NDF: 133.5/77

- 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: 558.585+/-0.098 χ^2/NDF:1944190.9/21

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

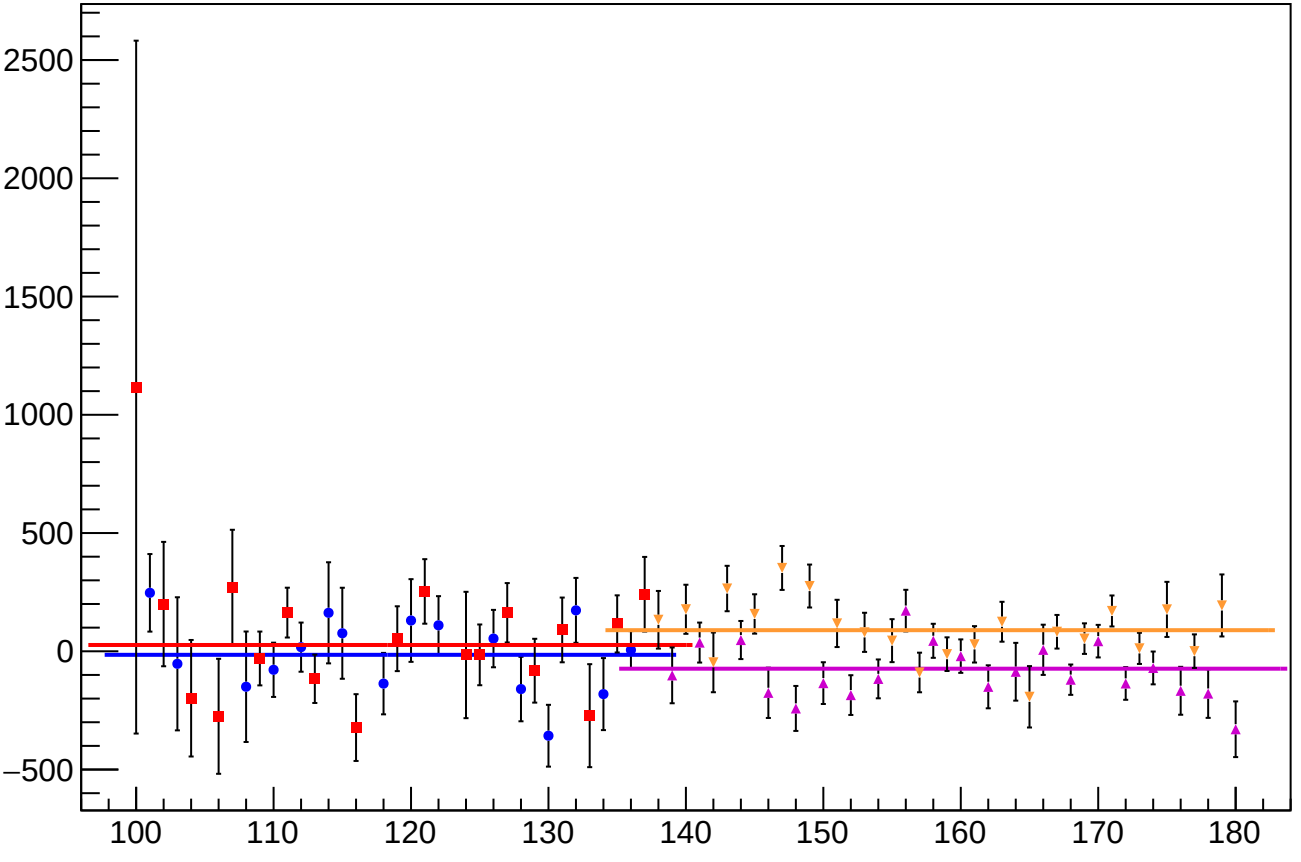
Left In: 543.795+/-0.096 χ^2/NDF:1829651.7/20

+ sign 608.496+/-0.092 χ^2/NDF: 4868722.3/37

All: 601.716+/-0.064 χ^2/NDF: 9915309.5/77

- 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: 89.222+/-18.195 χ^2/NDF:36.7/21

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

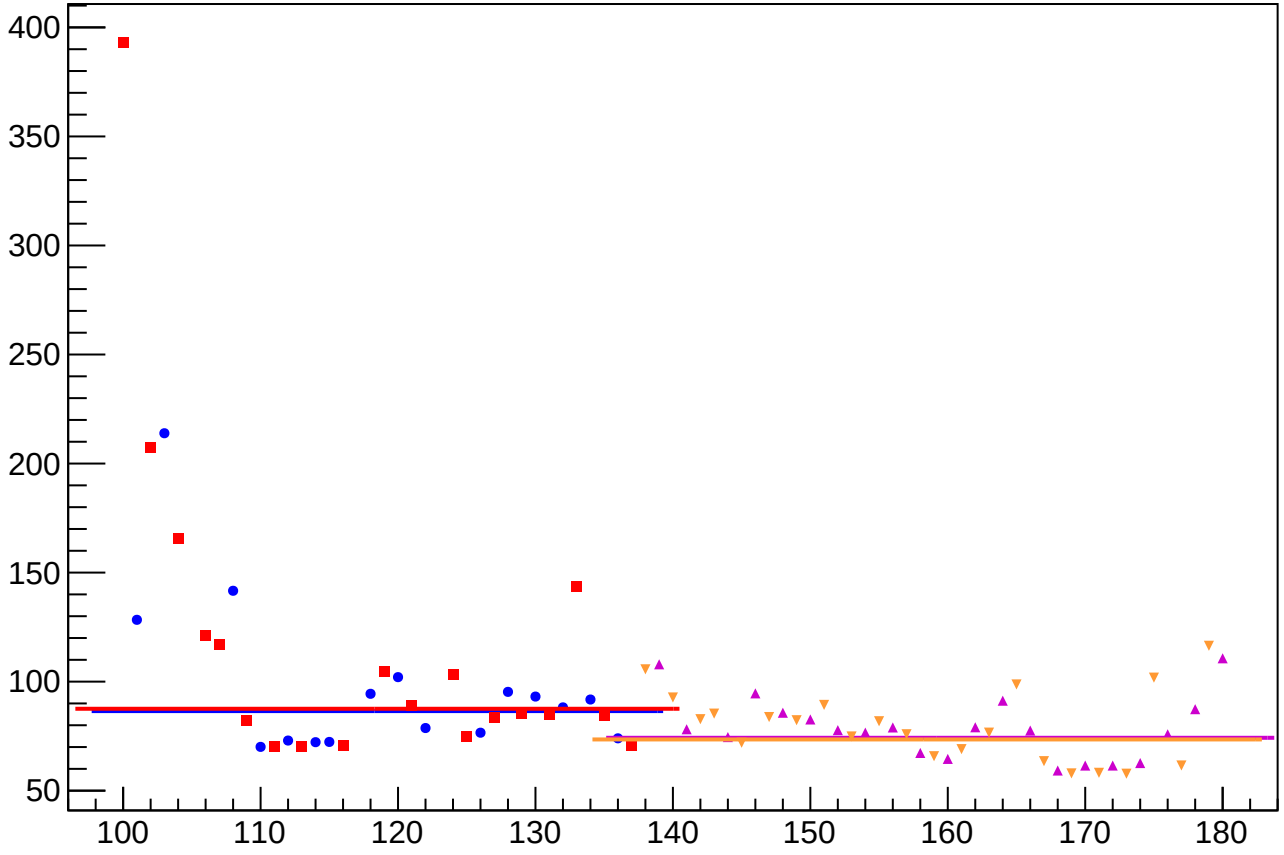
Left In: -73.622+/-18.515 χ^2/NDF:33.7/20

+ sign 65.774+/-16.017 χ^2/NDF: 62.3/37

All: 8.410+/-11.414 χ^2/NDF: 152.4/77

- 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: 73.489+/-0.013 χ^2/NDF:1238307.4/21

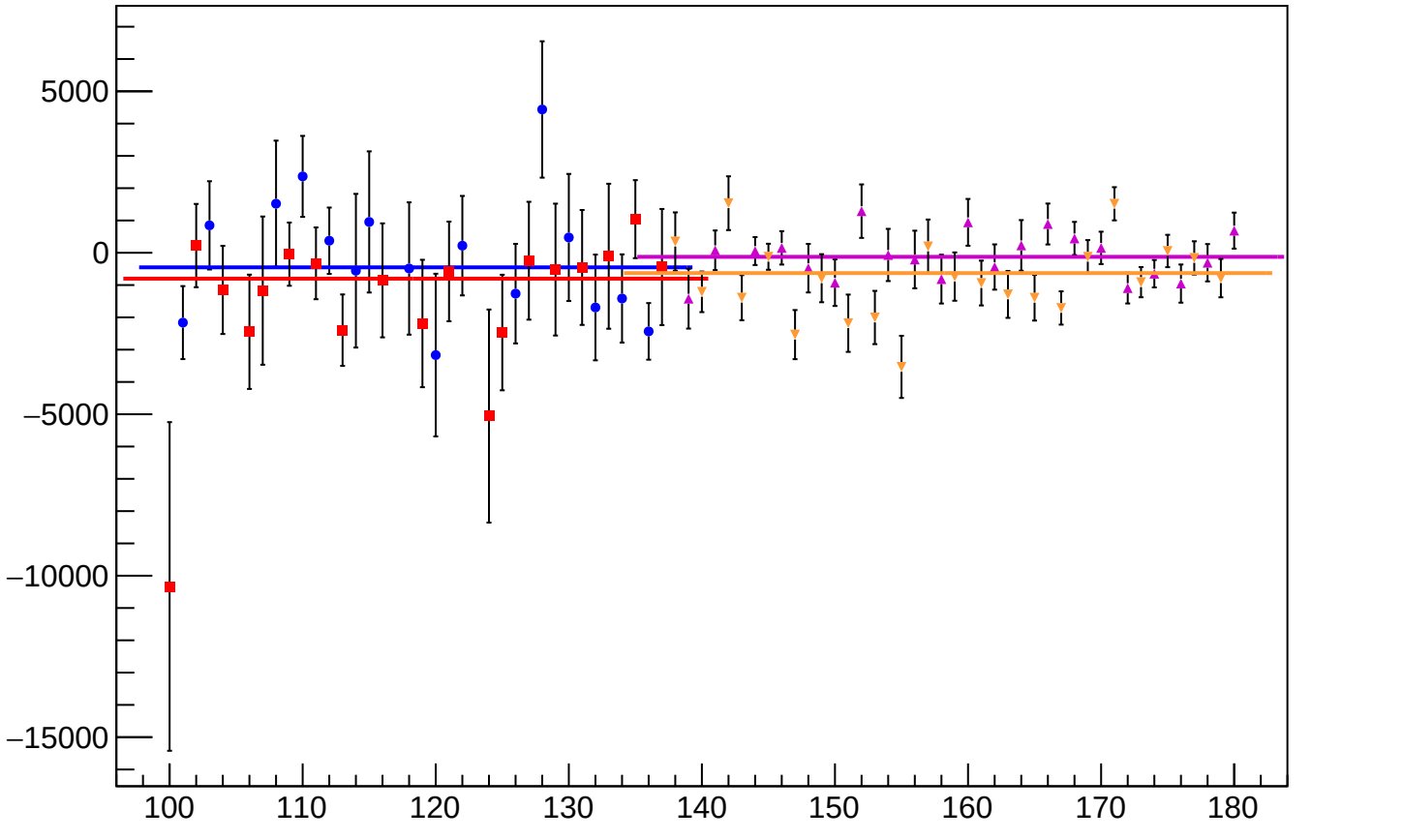
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 74.247+/-0.013 χ^2/NDF:927863.5/20

+ sign 76.415+/-0.011 χ^2/NDF: 2324364.1/37

All: 76.841+/-0.008 χ^2/NDF: 4620415.0/77

- 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: -629.397+/-133.119 χ^2/NDF:61.9/21

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

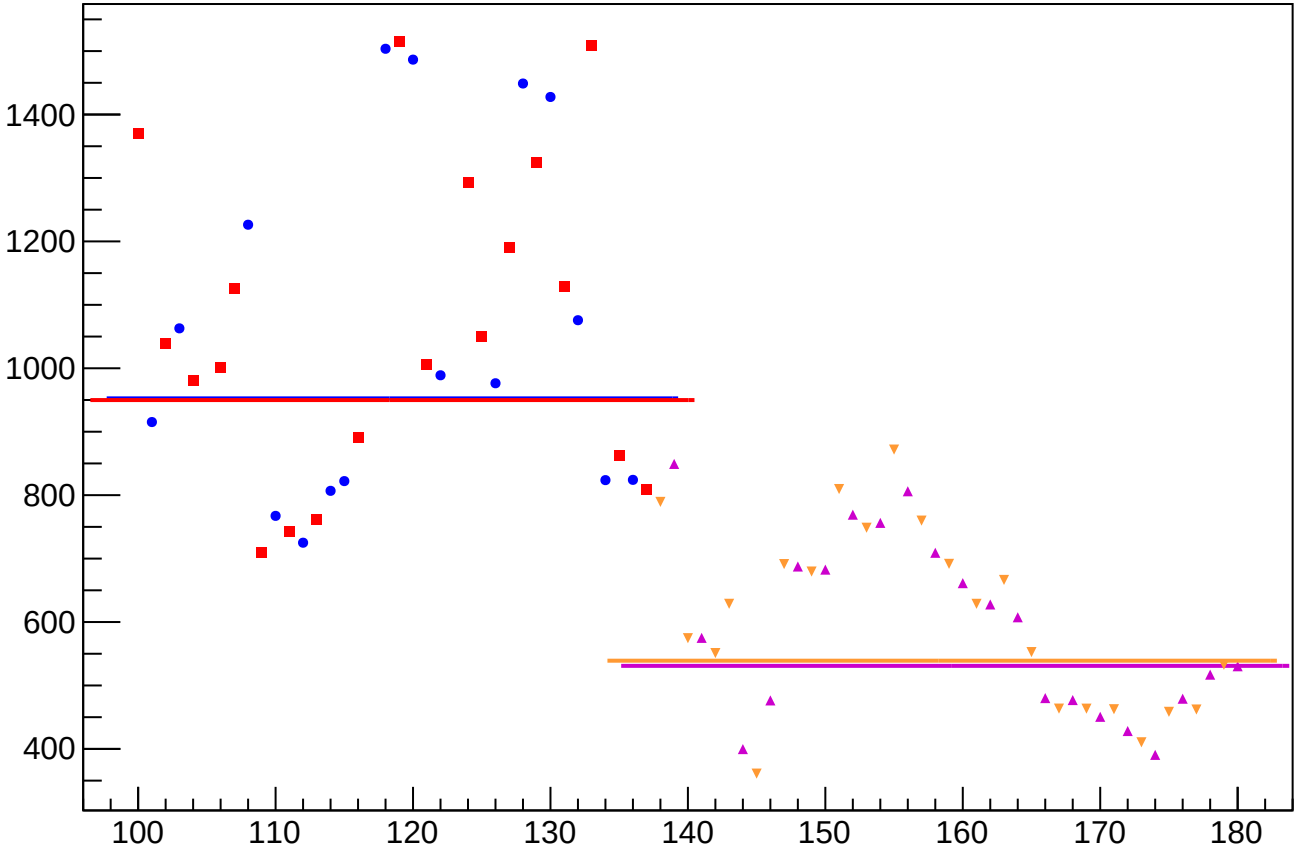
Left In: -126.067+/-131.939 χ^2/NDF:24.3/20

+ sign -608.559+/-125.086 χ^2/NDF: 85.8/37

All: -405.622+/-87.989 χ^2/NDF: 132.1/77

- 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: 539.053+/-0.094 χ^2/NDF:1986719.0/21

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

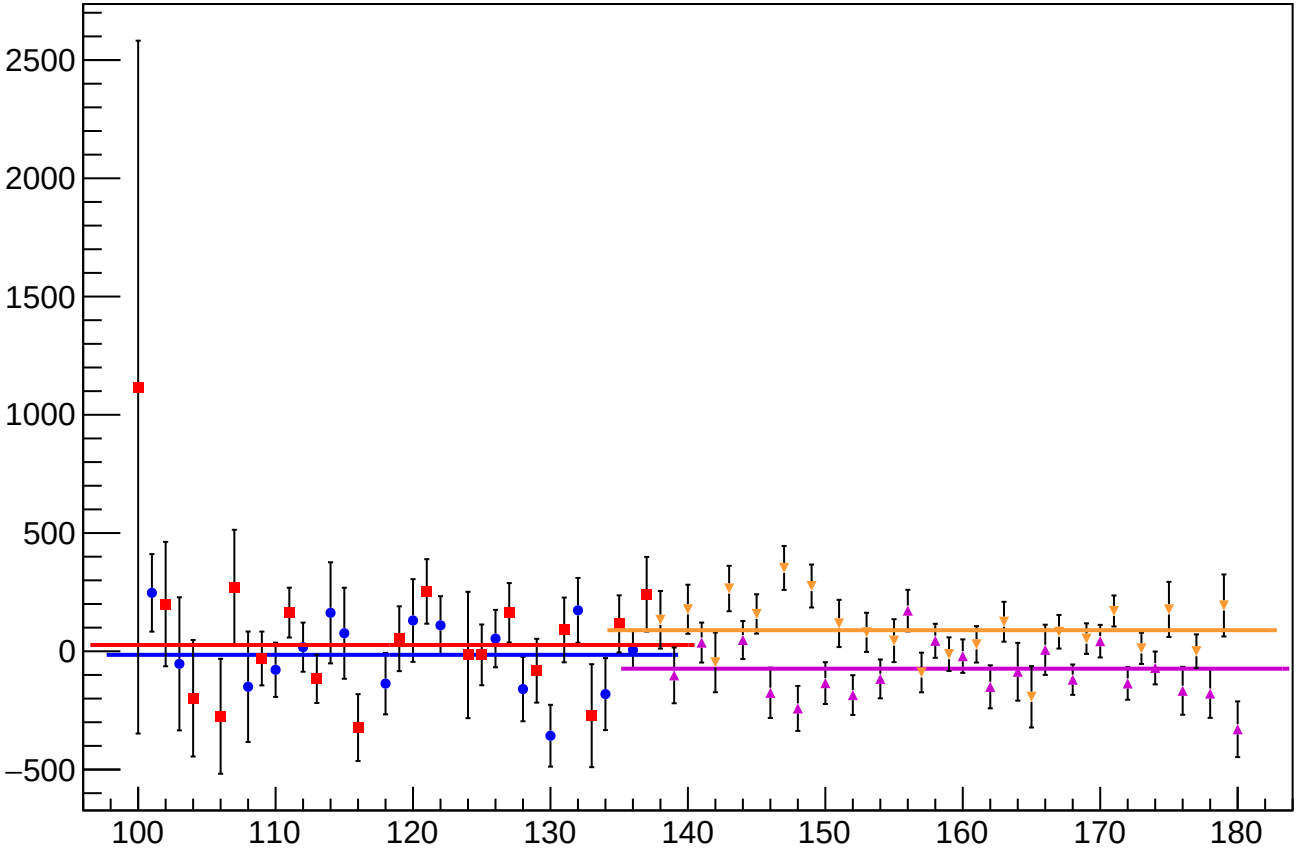
Left In: 530.919+/-0.093 χ^2/NDF:1786843.4/20

+ sign 587.455+/-0.088 χ^2/NDF: 4991900.6/37

All: 584.222+/-0.062 χ^2/NDF: 9946355.7/77

- 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: 89.222+/-18.195 χ^2/NDF:36.7/21

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

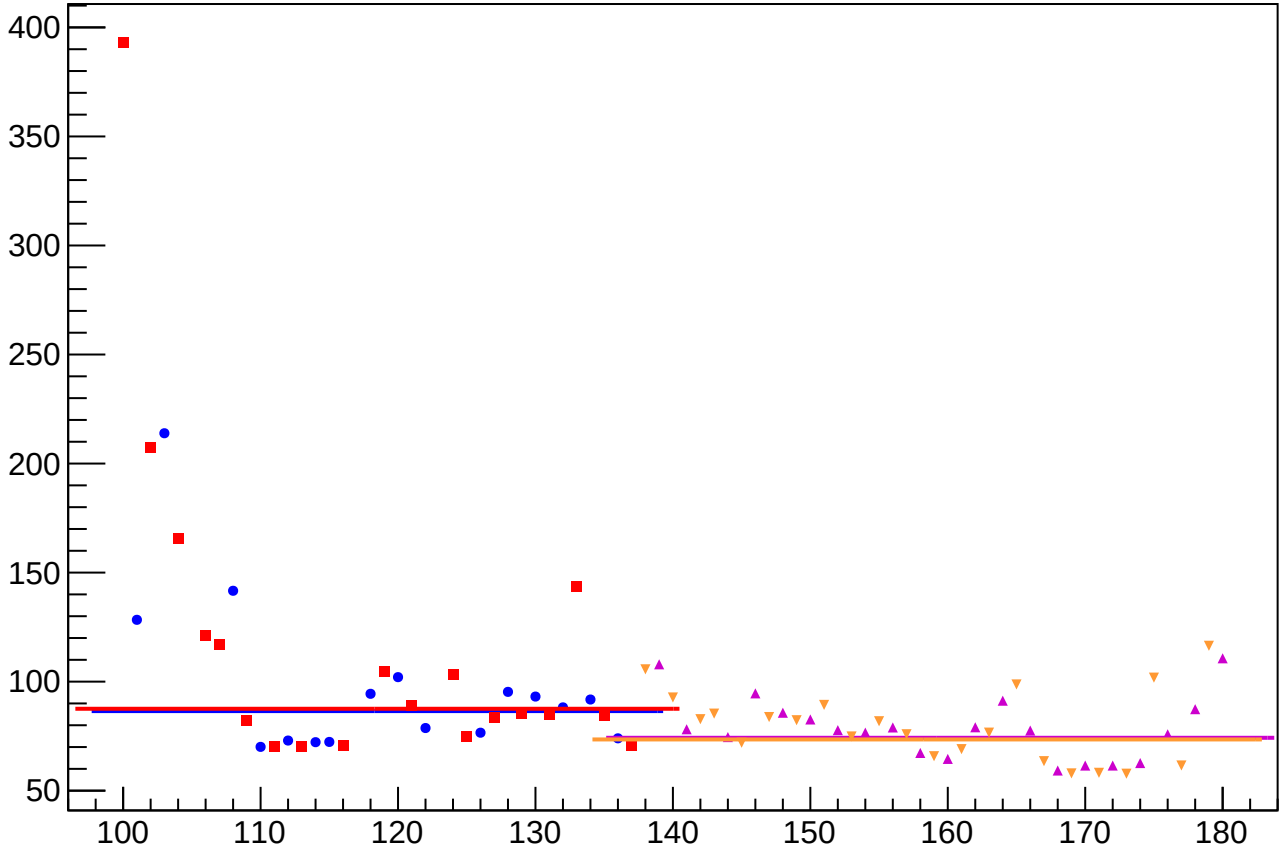
Left In: -73.622+/-18.515 χ^2/NDF:33.7/20

+ sign 65.774+/-16.017 χ^2/NDF: 62.3/37

All: 8.411+/-11.414 χ^2/NDF: 152.4/77

- 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: 73.489+/-0.013 χ^2/NDF:1238312.8/21

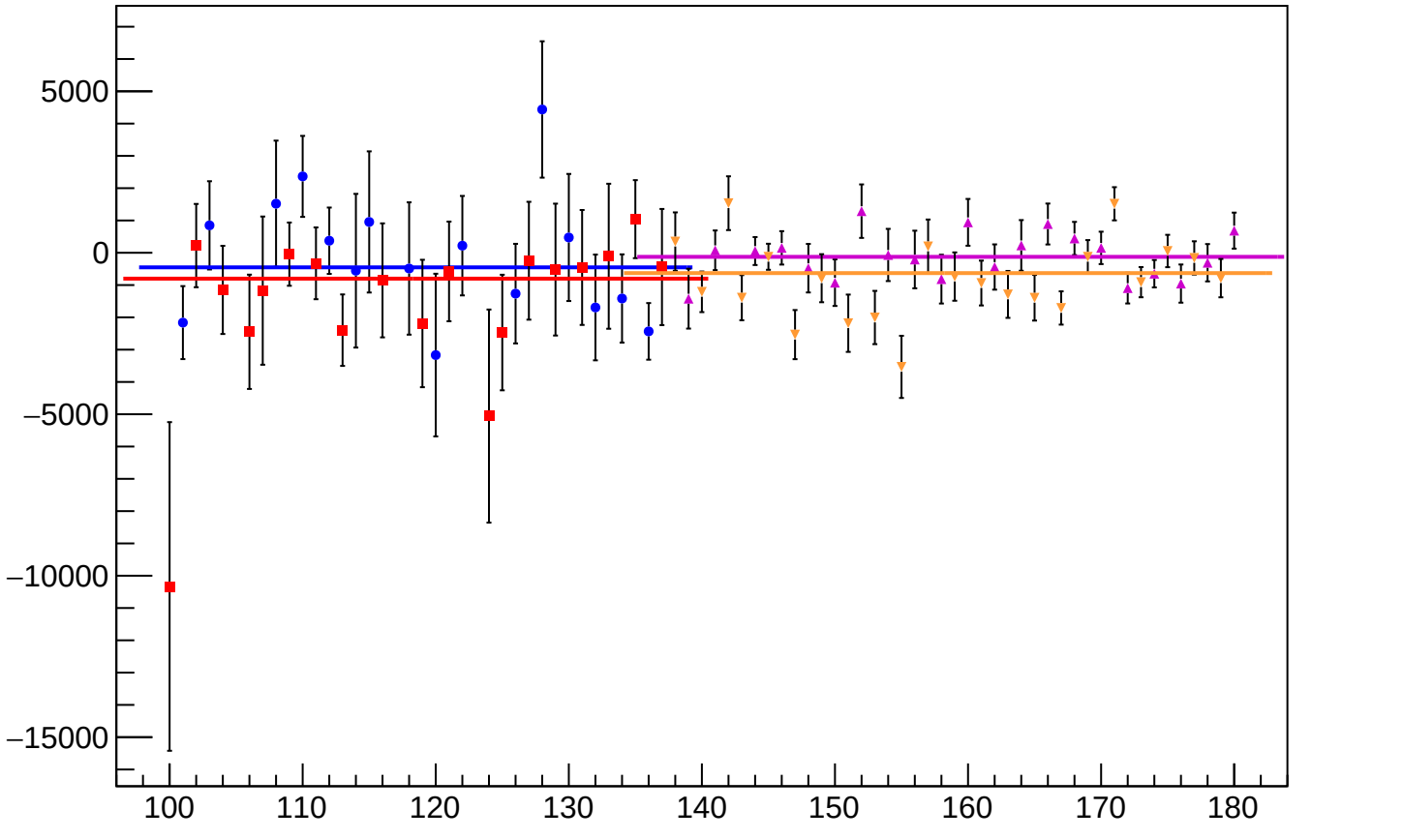
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 74.248+/-0.013 χ^2/NDF:927867.1/20

\+ sign 76.415+/-0.011 χ^2/NDF: 2324363.5/37

All: 76.842+/-0.008 χ^2/NDF: 4620421.6/77

\- 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: -629.398+/-133.119 χ^2/NDF:61.9/21

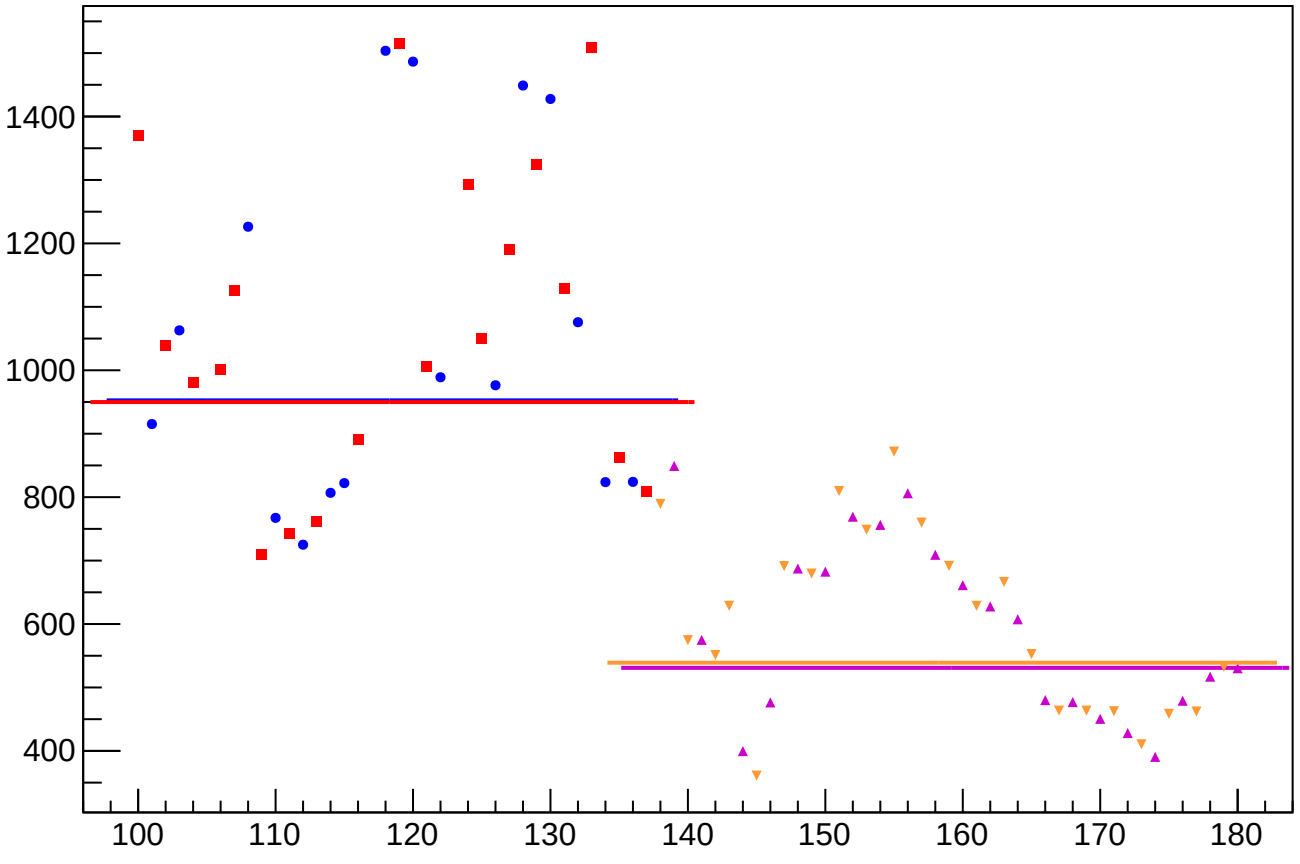
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -126.066+/-131.939 χ^2/NDF:24.3/20

+ sign -608.560+/-125.086 χ^2/NDF: 85.8/37

All: -405.622+/-87.989 χ^2/NDF: 132.1/77

- sign -206.855+/-123.794 χ^2/NDF: 41.0/39



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 539.053+/-0.094 χ^2/NDF:1986714.4/21

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

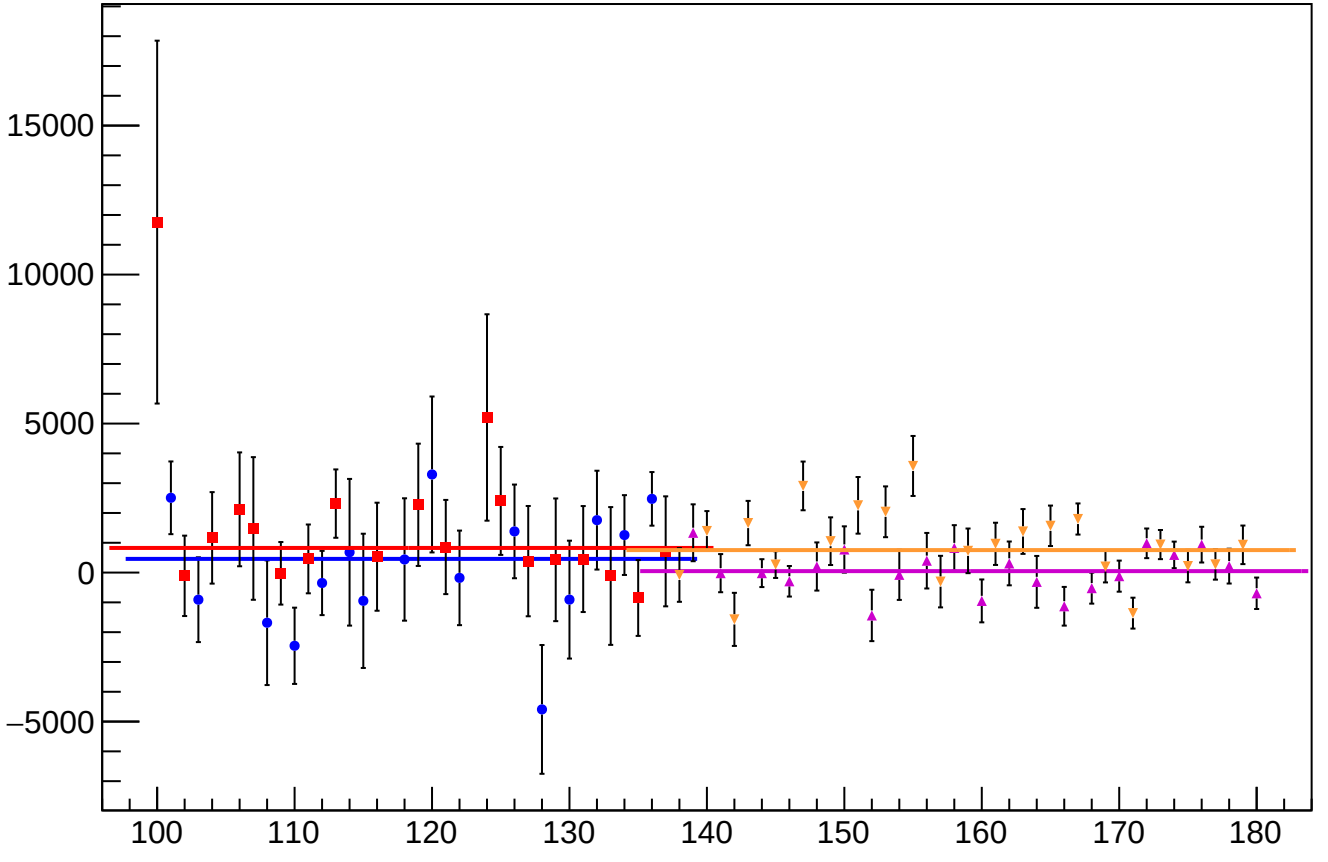
Left In: 530.919+/-0.093 χ^2/NDF:1786837.6/20

+ sign 587.455+/-0.088 χ^2/NDF: 4991890.2/37

All: 584.221+/-0.062 χ^2/NDF: 9946328.8/77

- 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: 754.350+/-139.021 χ^2/NDF:58.5/21

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

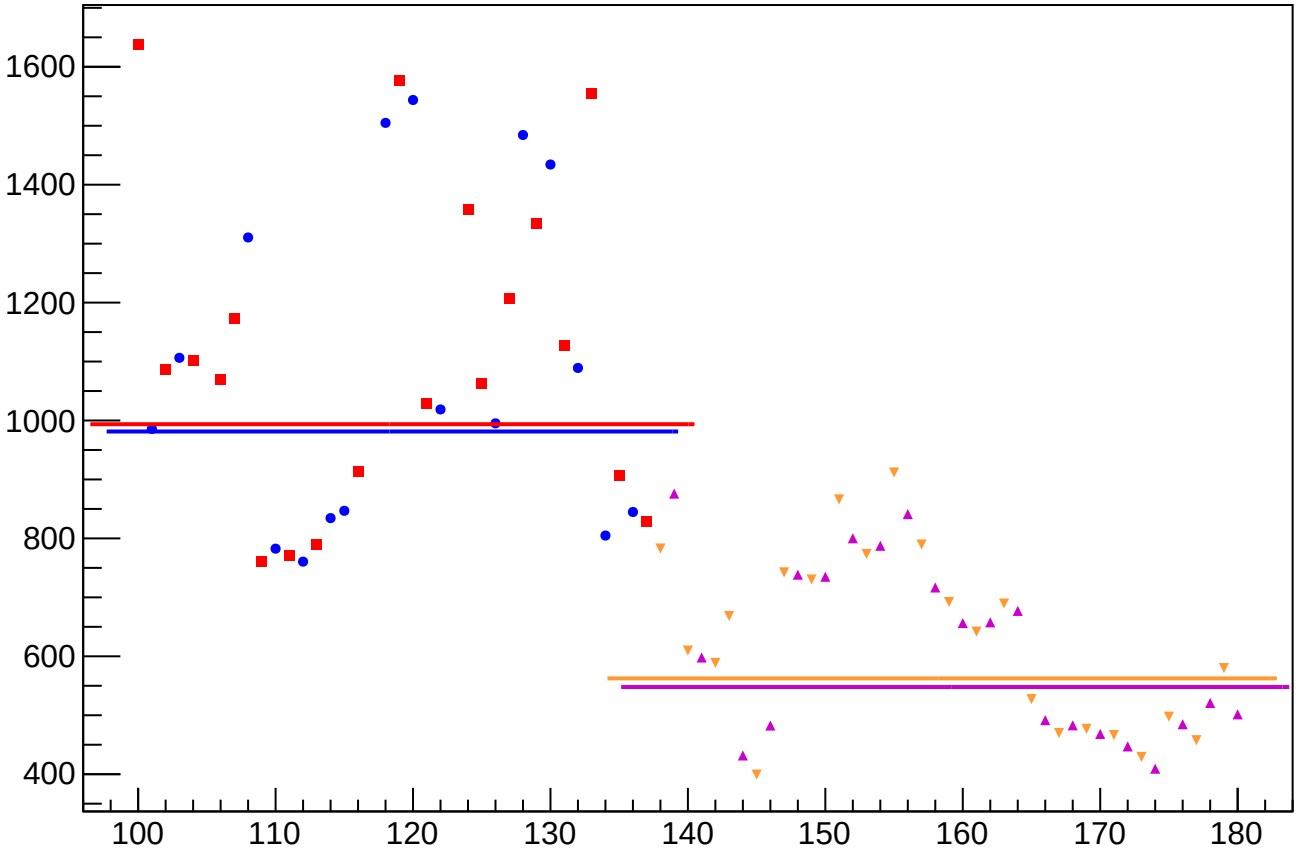
Left In: 48.549+/-136.136 χ^2/NDF:23.5/20

+ sign 718.991+/-130.430 χ^2/NDF: 83.6/37

All: 423.630+/-91.333 χ^2/NDF: 132.6/77

- 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: 562.530+/-0.098 χ^2/NDF:1919224.1/21

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

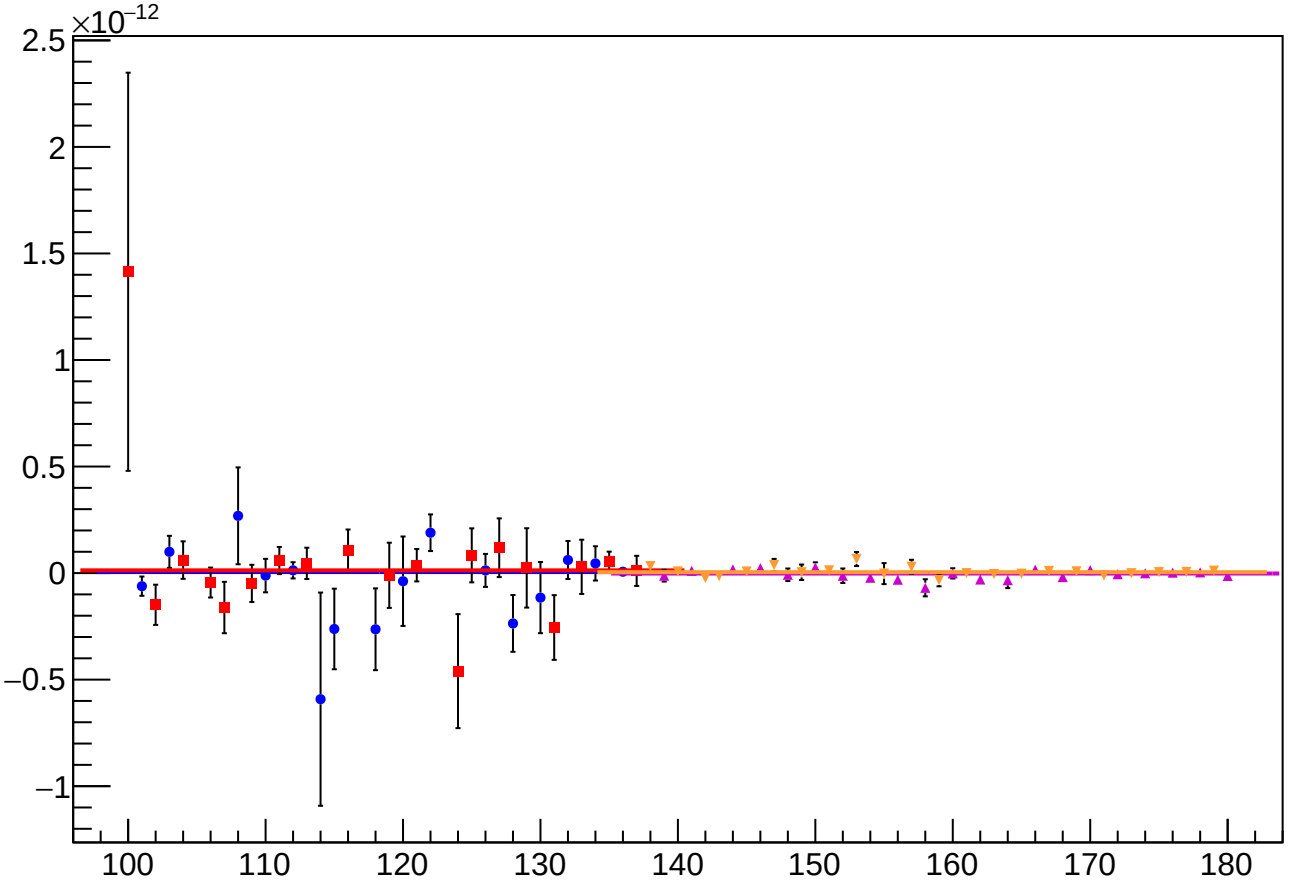
Left In: 547.906+/-0.096 χ^2/NDF:1804943.8/20

+ sign 612.693+/-0.092 χ^2/NDF: 4830989.4/37

All: 606.224+/-0.065 χ^2/NDF: 9871430.0/77

- 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:14.4/21

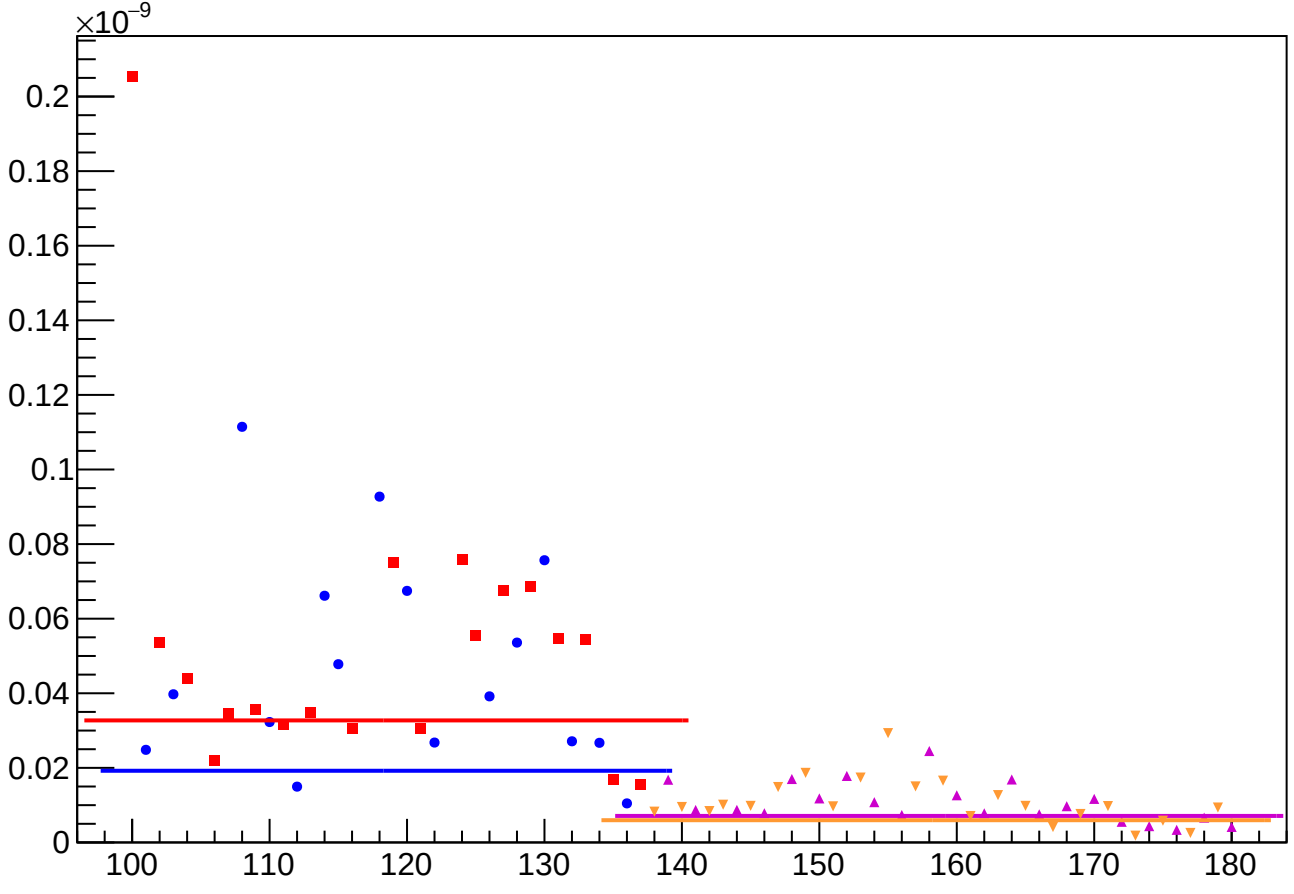
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 34.1/37

All: 0.000+/-0.000 χ^2/NDF: 74.5/77

- 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:3559207.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

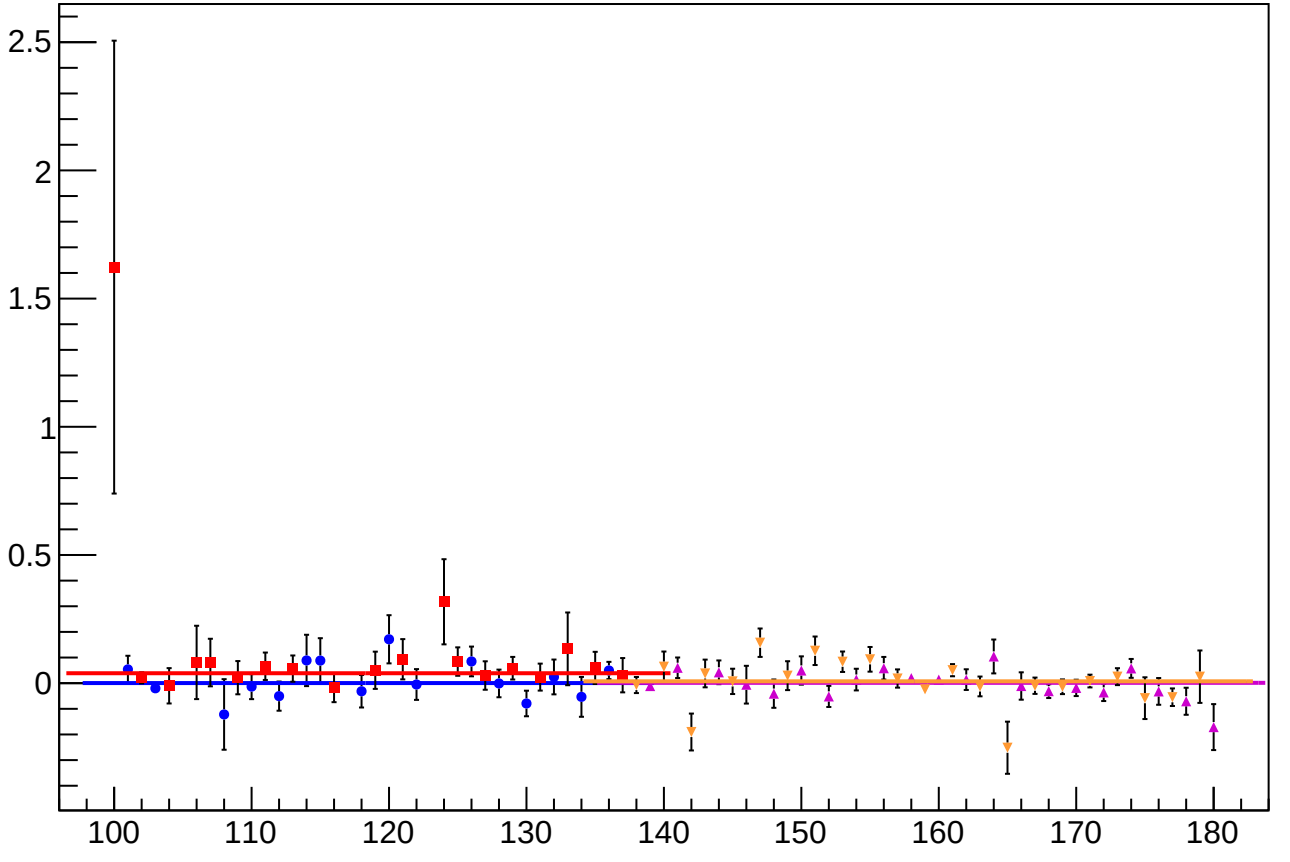
Left In: 0.000+/-0.000 χ^2/NDF:2292728.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 7146726.9/37

All: 0.000+/-0.000 χ^2/NDF: 13733655.0/77

- 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: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

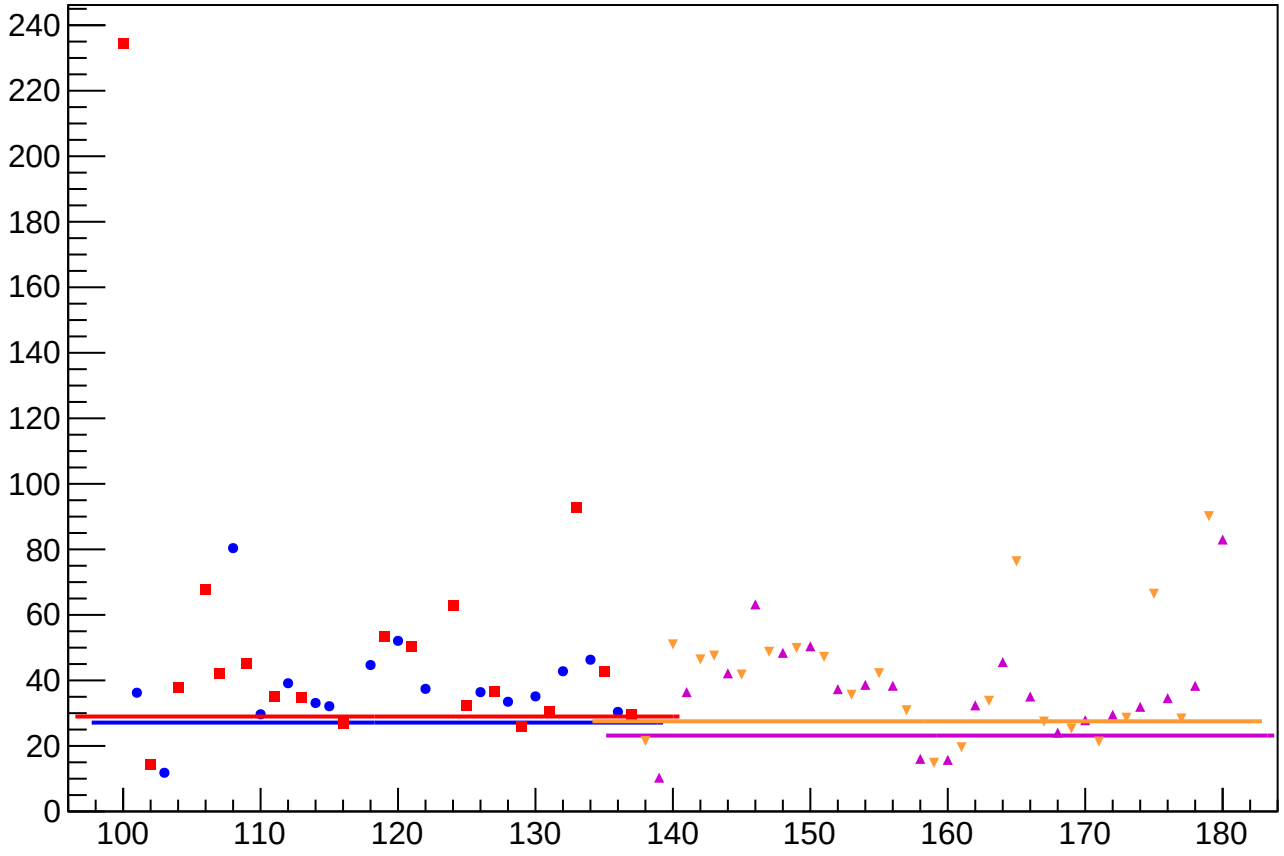
Left In: 0.001+/-0.007 χ^2/NDF:24.1/20

+ sign 0.005+/-0.006 χ^2/NDF: 63.6/37

All: 0.008+/-0.004 χ^2/NDF: 105.8/77

- 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: 27.525+/-0.005 χ^2/NDF:5385288.9/21

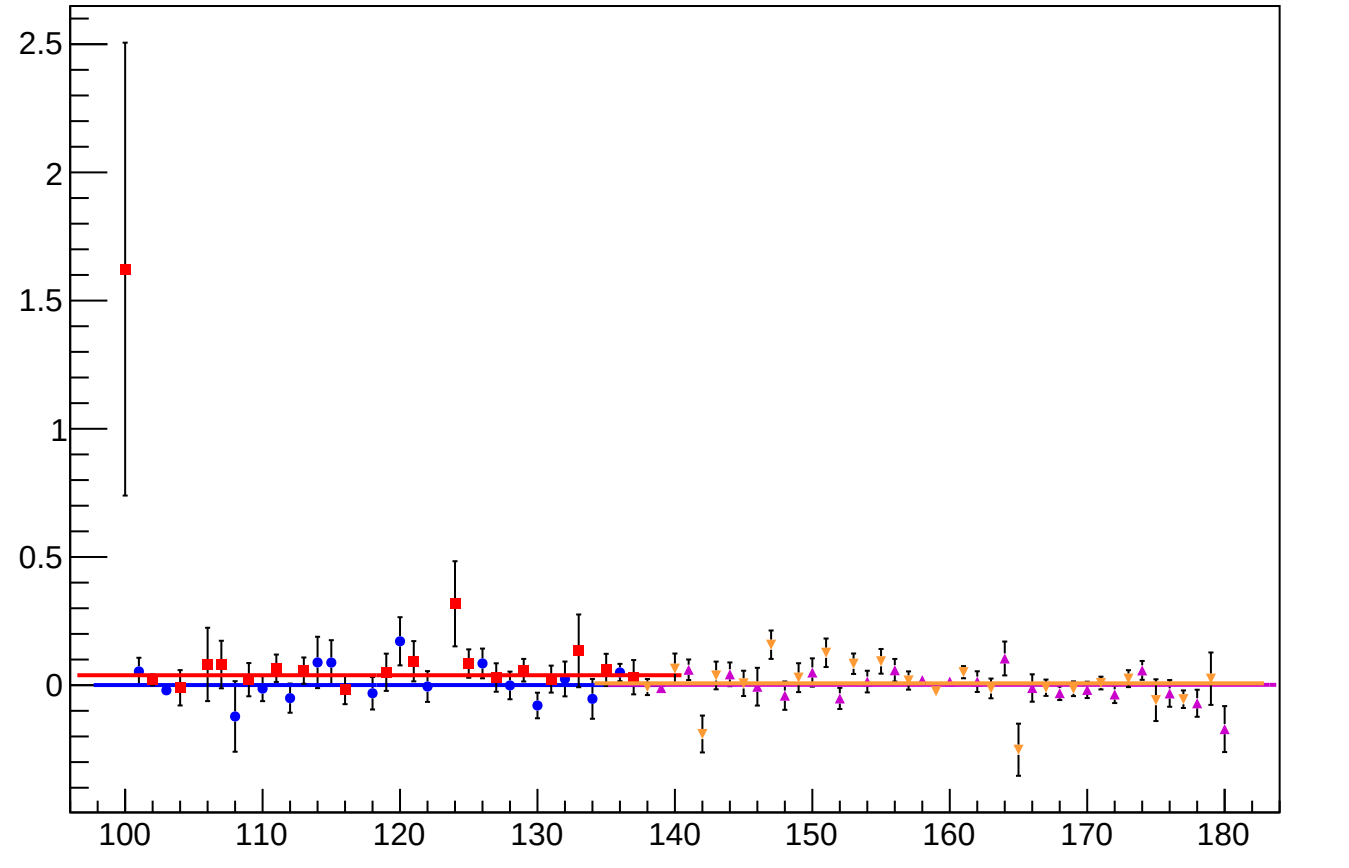
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.165+/-0.005 χ^2/NDF:7109914.0/20

+ sign 27.411+/-0.005 χ^2/NDF: 7802154.5/37

All: 25.842+/-0.003 χ^2/NDF: 17917208.4/77

- 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: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

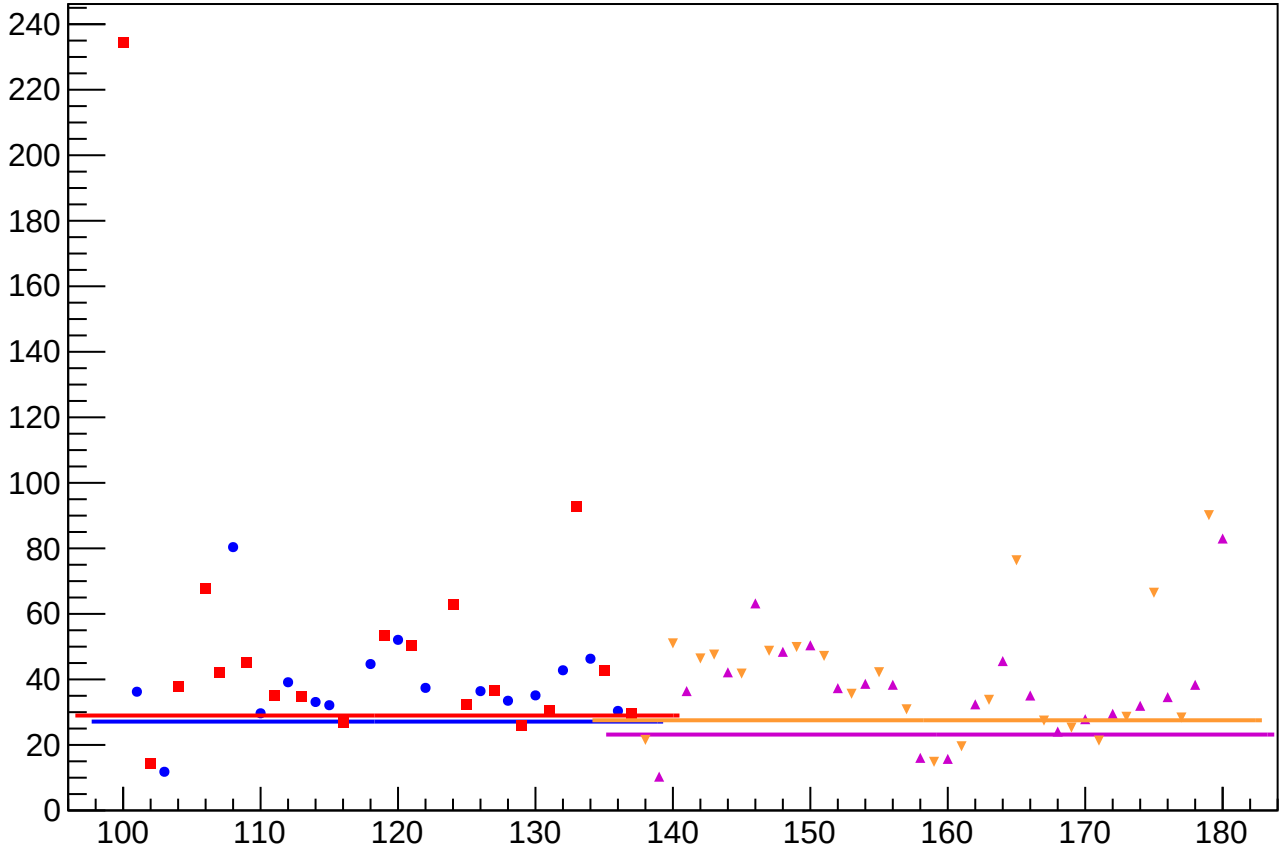
Left In: 0.001+/-0.007 χ^2/NDF:24.1/20

+ sign 0.005+/-0.006 χ^2/NDF: 63.6/37

All: 0.008+/-0.004 χ^2/NDF: 105.8/77

- 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: 27.525+/-0.005 χ^2/NDF:5385288.9/21

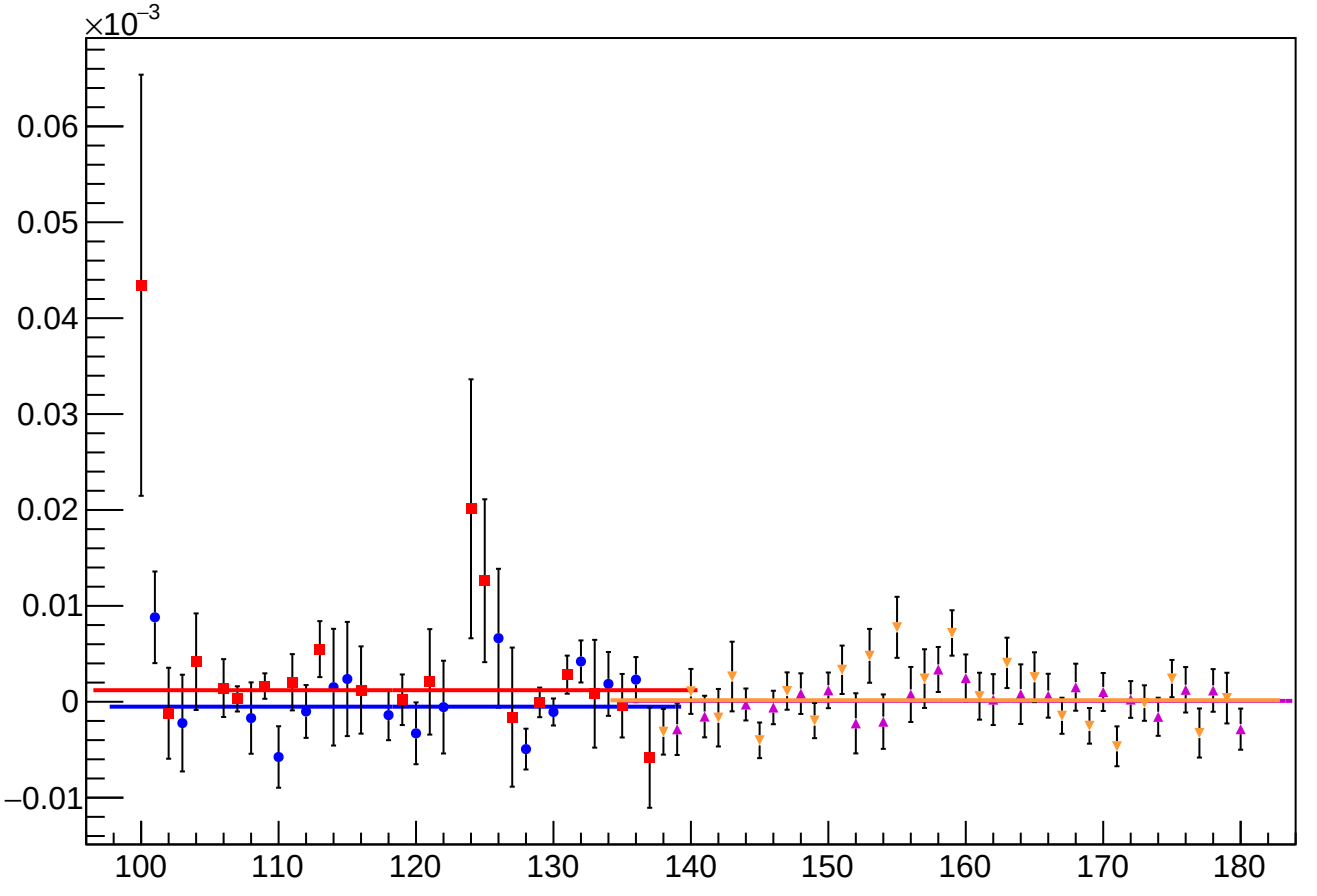
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.165+/-0.005 χ^2/NDF:7109914.0/20

+ sign 27.411+/-0.005 χ^2/NDF: 7802154.5/37

All: 25.842+/-0.003 χ^2/NDF: 17917208.4/77

- 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:43.3/21

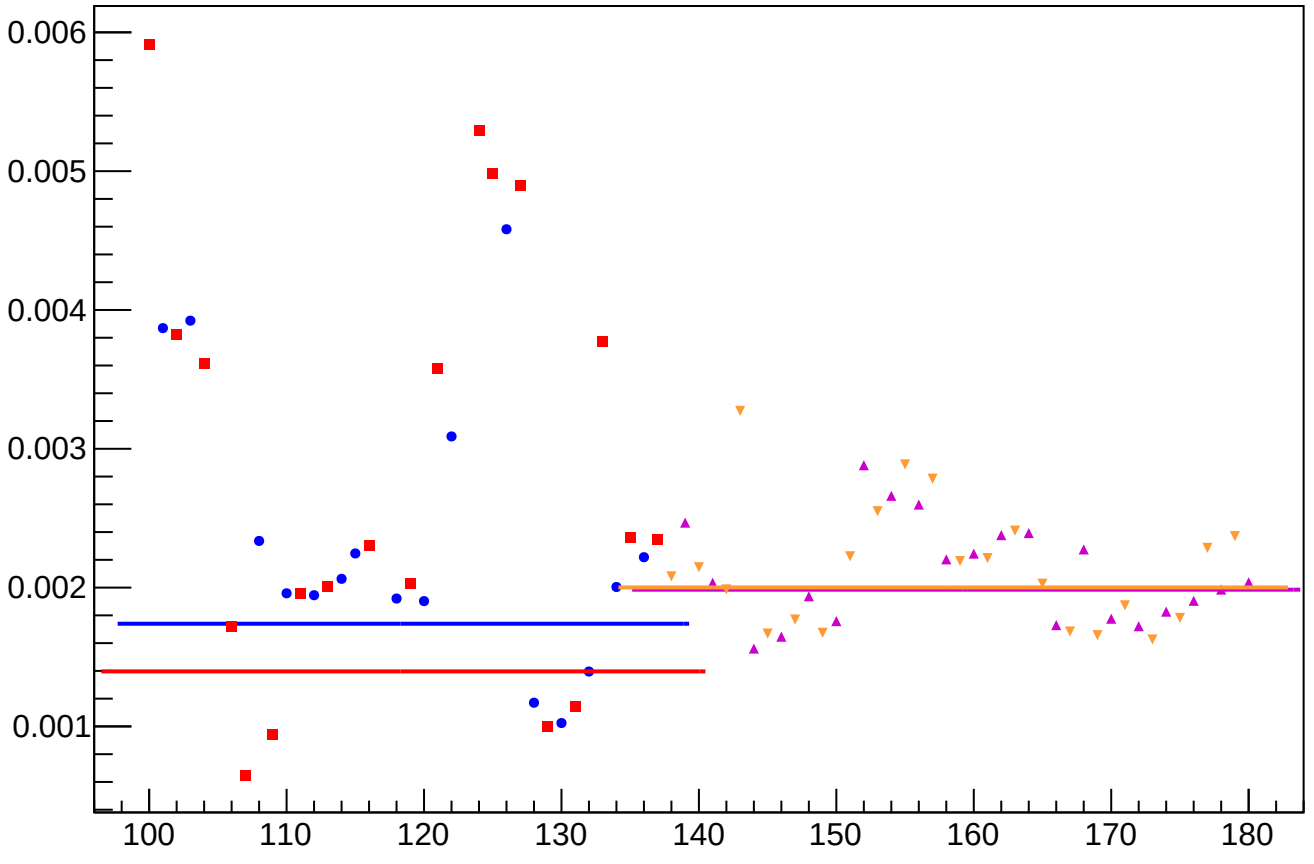
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/37

All: 0.000+/-0.000 χ^2/NDF: 91.8/77

- 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:1170347.4/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

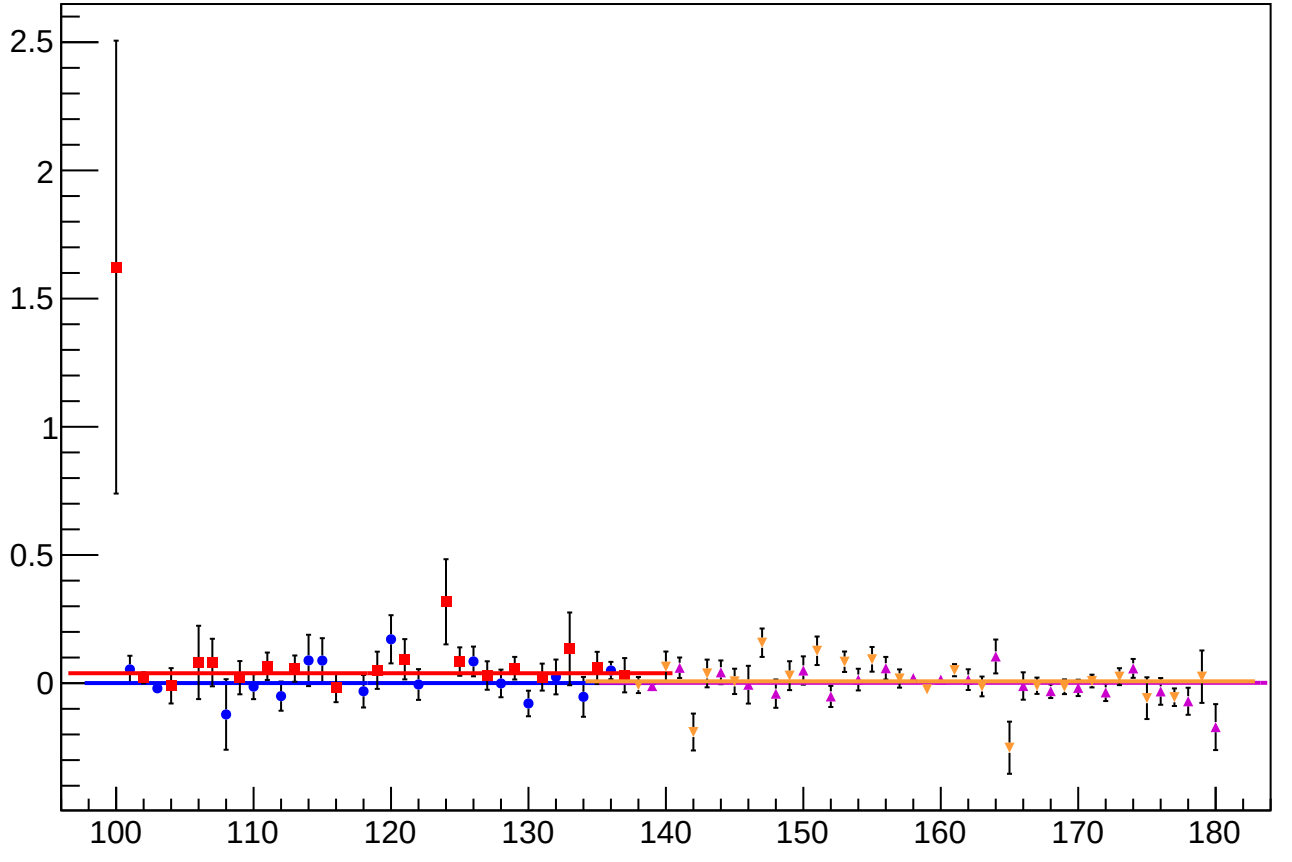
Left In: 0.002+/-0.000 χ^2/NDF:916575.9/20

+ sign 0.002+/-0.000 χ^2/NDF: 3498479.3/37

All: 0.002+/-0.000 χ^2/NDF: 10040957.0/77

- sign 0.002+/-0.000 χ^2/NDF: 6374418.7/39

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

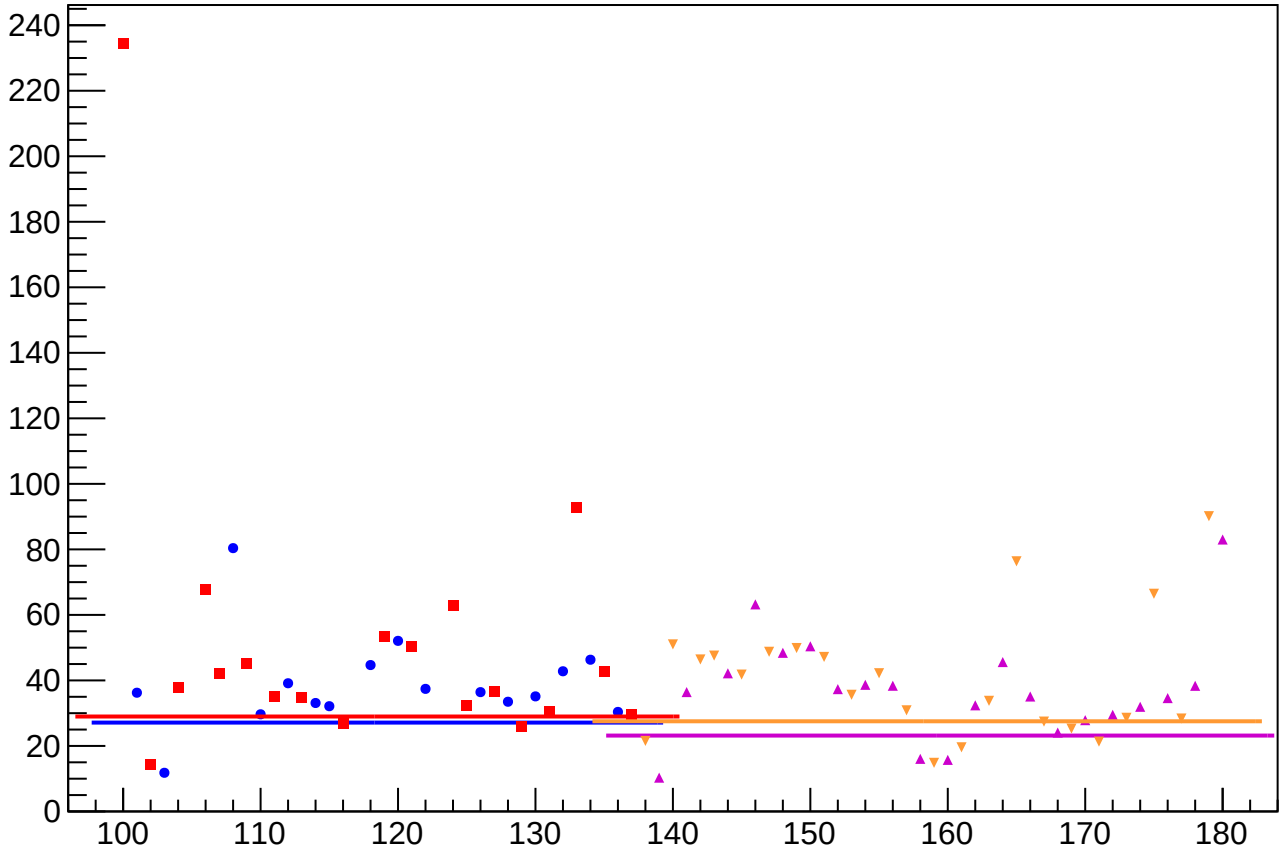
Left In: 0.001+/-0.007 χ^2/NDF:24.1/20

+ sign 0.005+/-0.006 χ^2/NDF: 63.6/37

All: 0.008+/-0.004 χ^2/NDF: 105.8/77

- 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: 27.524+/-0.005 χ^2/NDF:5385725.0/21

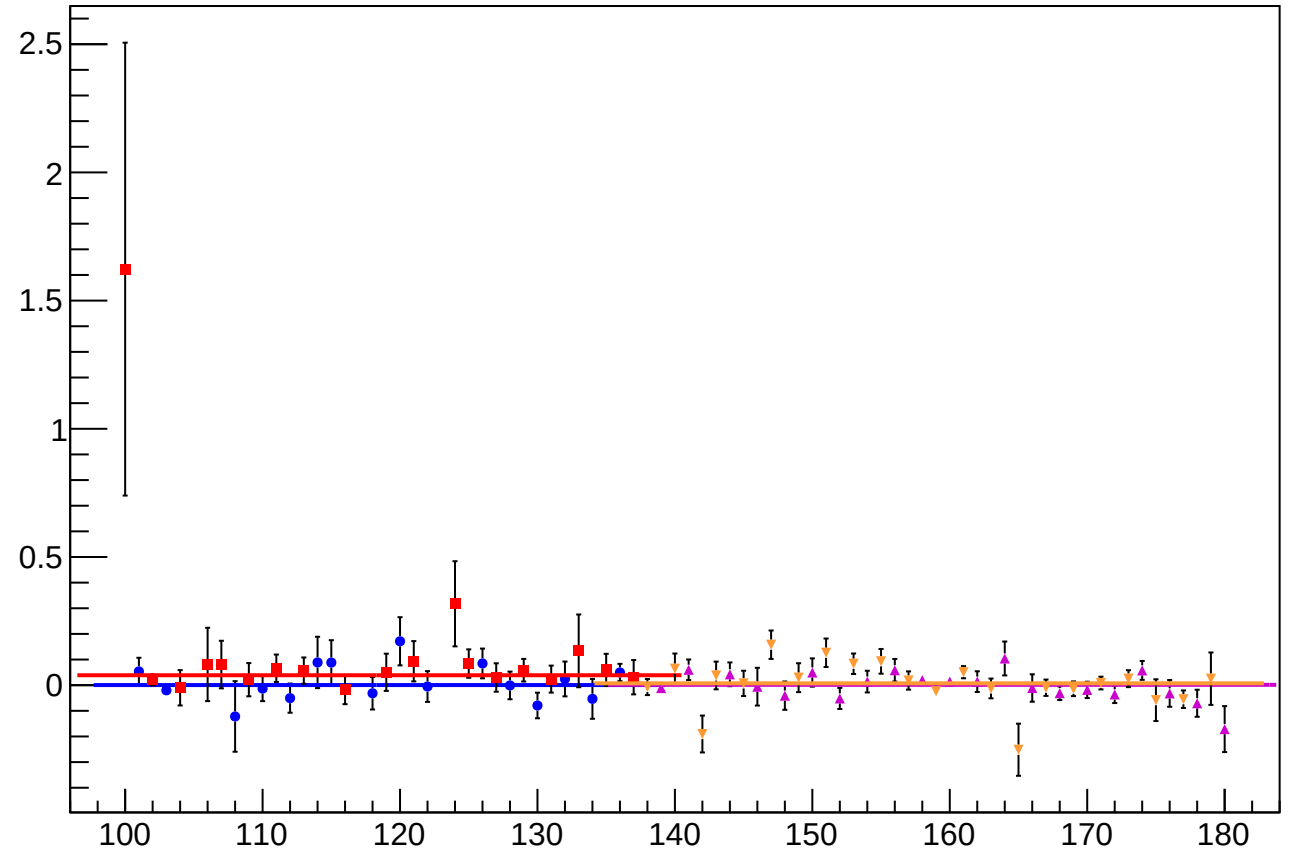
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.164+/-0.005 χ^2/NDF:7110934.0/20

+ sign 27.410+/-0.005 χ^2/NDF: 7802928.6/37

All: 25.841+/-0.003 χ^2/NDF: 17918808.8/77

- 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: 0.007+/-0.008 χ^2/NDF:46.9/21

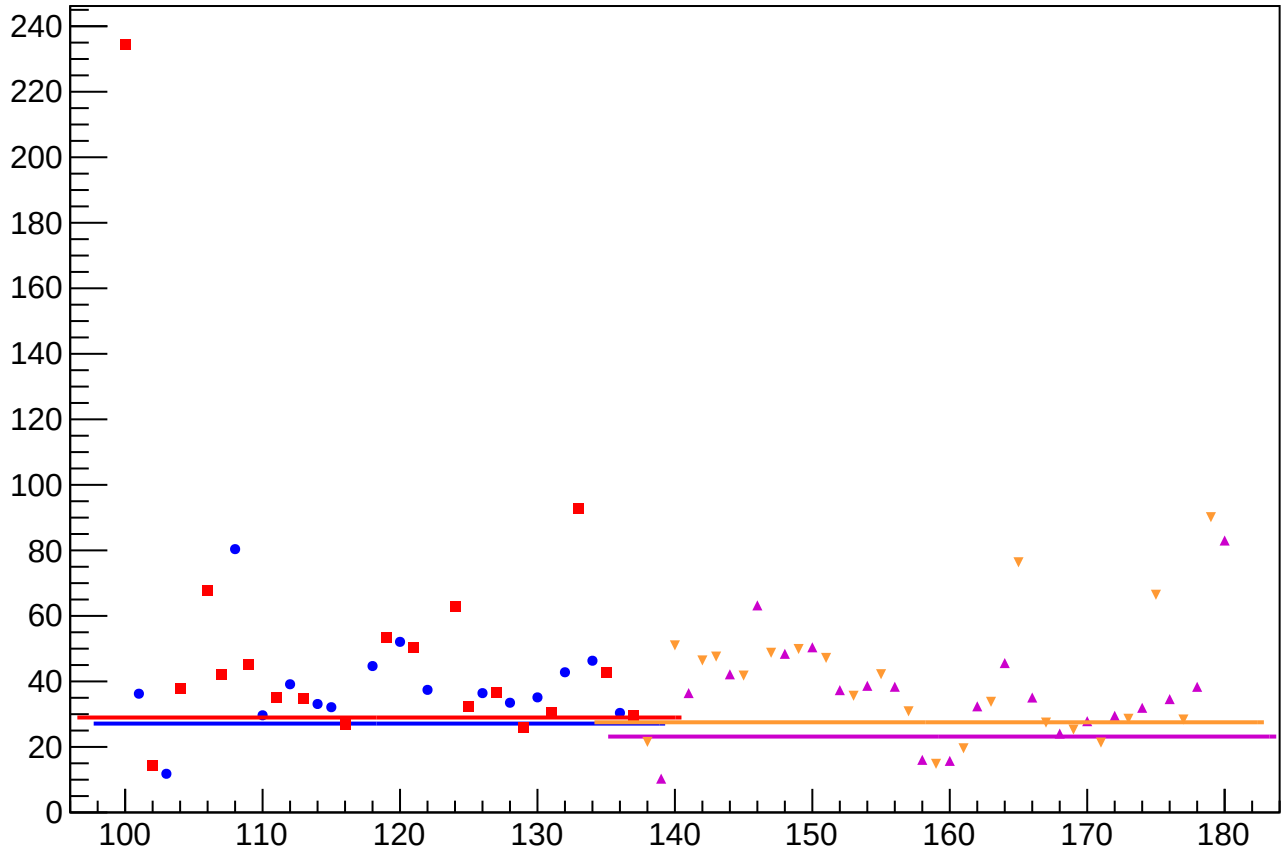
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.007 χ^2/NDF:24.1/20

+ sign 0.005+/-0.006 χ^2/NDF: 63.6/37

All: 0.008+/-0.004 χ^2/NDF: 105.8/77

- 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: 27.524+/-0.005 χ^2/NDF:5385725.0/21

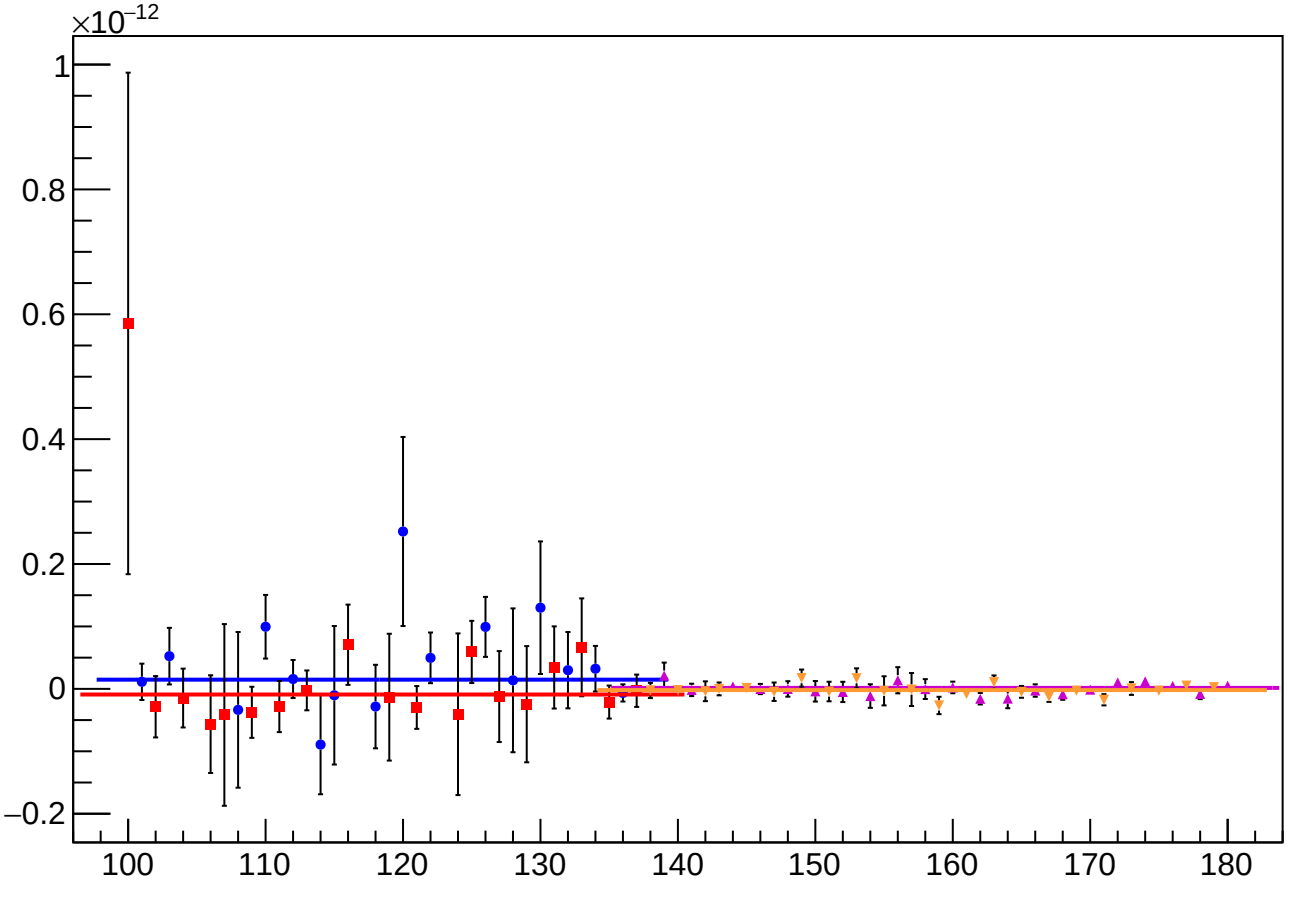
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.164+/-0.005 χ^2/NDF:7110934.0/20

+ sign 27.410+/-0.005 χ^2/NDF: 7802928.6/37

All: 25.841+/-0.003 χ^2/NDF: 17918808.8/77

- 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:15.4/21

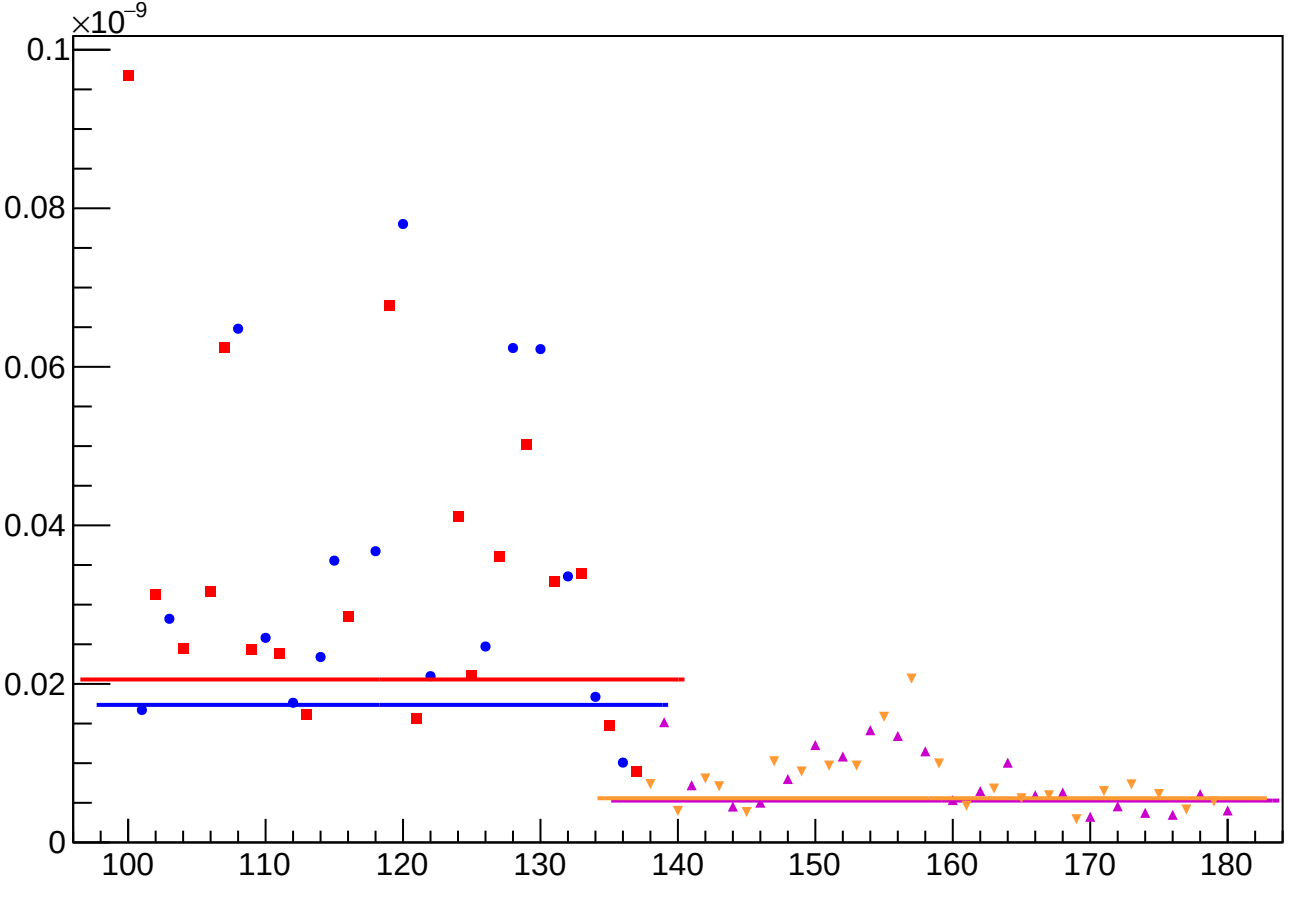
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 34.4/37

All: 0.000+/-0.000 χ^2/NDF: 60.8/77

- 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:2937026.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

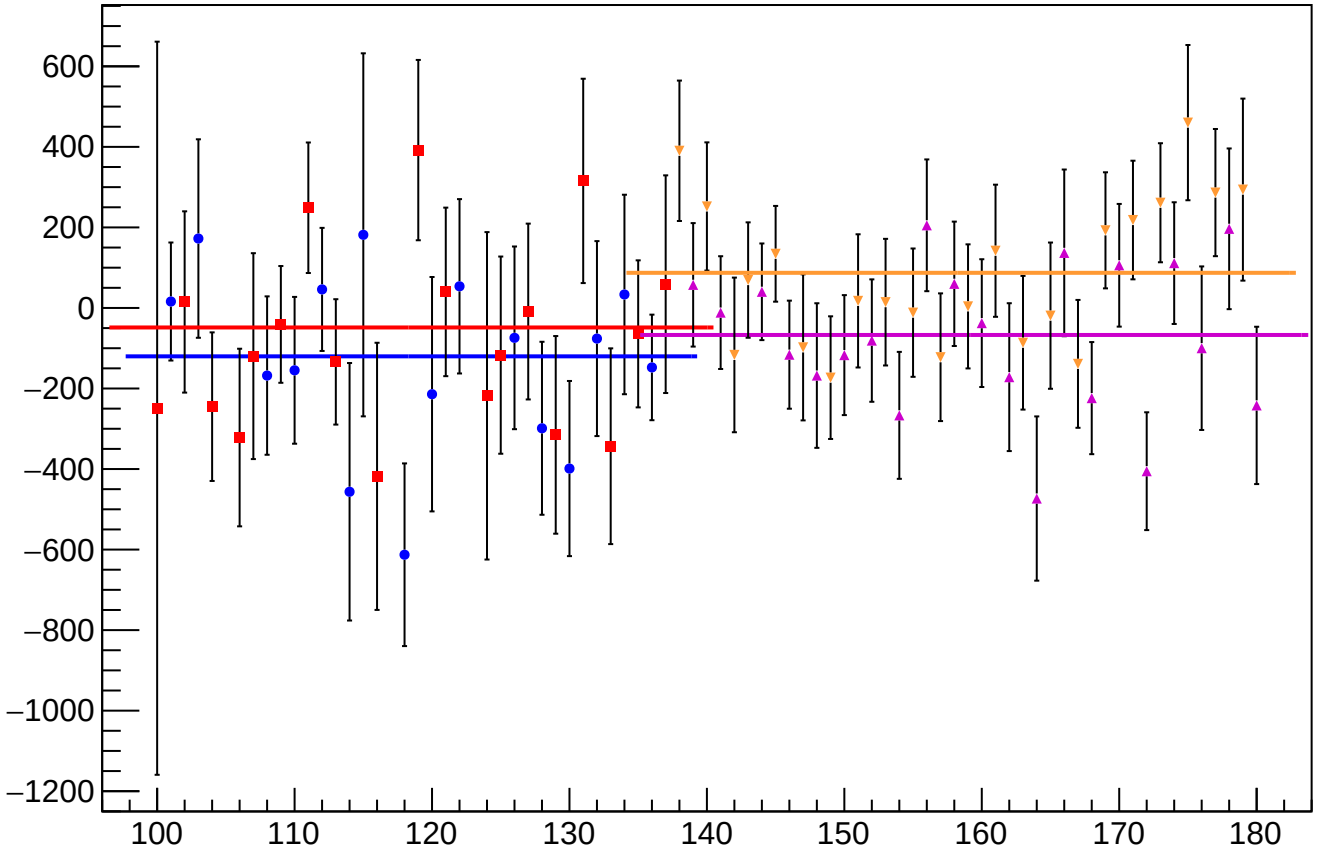
Left In: 0.000+/-0.000 χ^2/NDF:3305120.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 8356069.8/37

All: 0.000+/-0.000 χ^2/NDF: 17483629.6/77

- 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: 87.272+/-34.083 χ^2/NDF:24.6/21

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

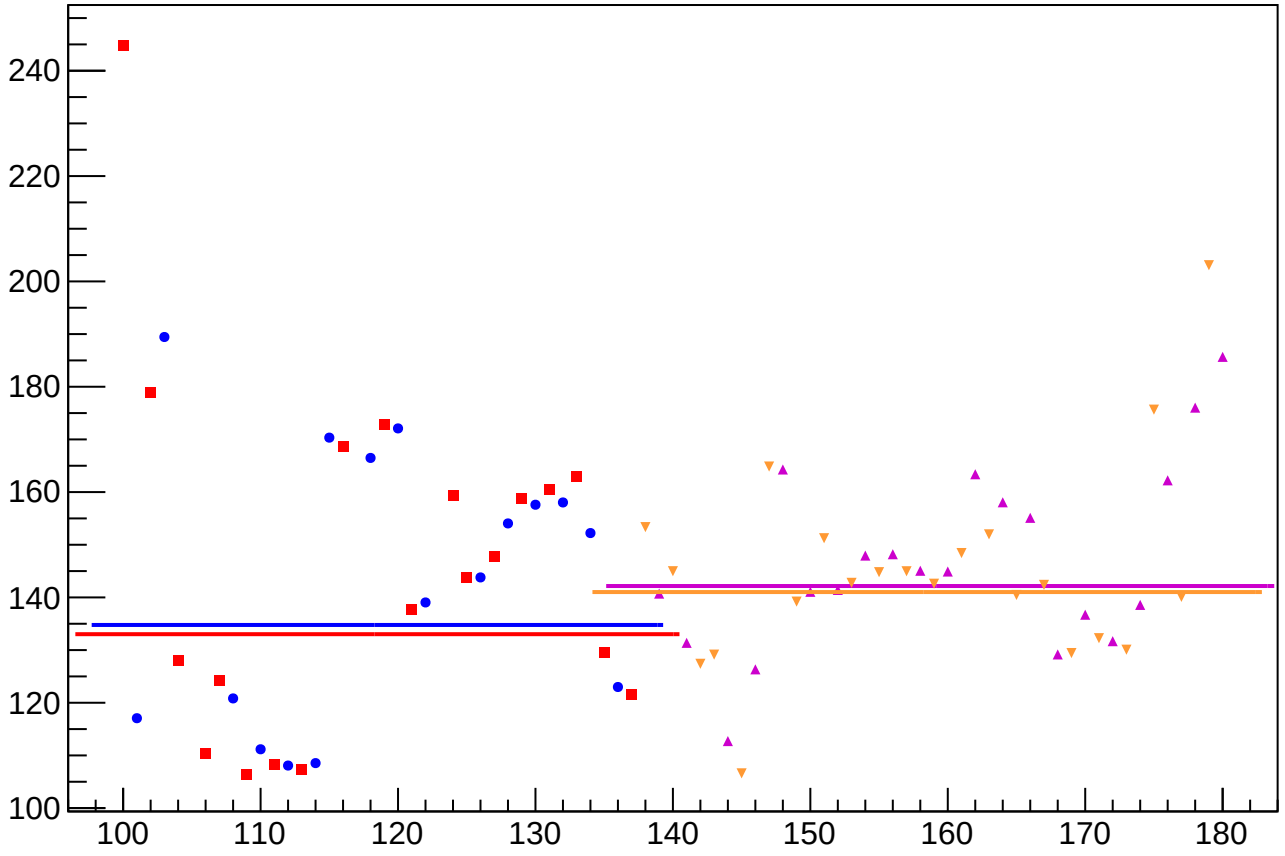
Left In: -67.082+/-34.605 χ^2/NDF:24.4/20

+ sign 23.409+/-28.355 χ^2/NDF: 49.4/37

All: -18.688+/-20.079 χ^2/NDF: 95.4/77

- 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: 141.019+/-0.024 χ^2/NDF:507313.8/21

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

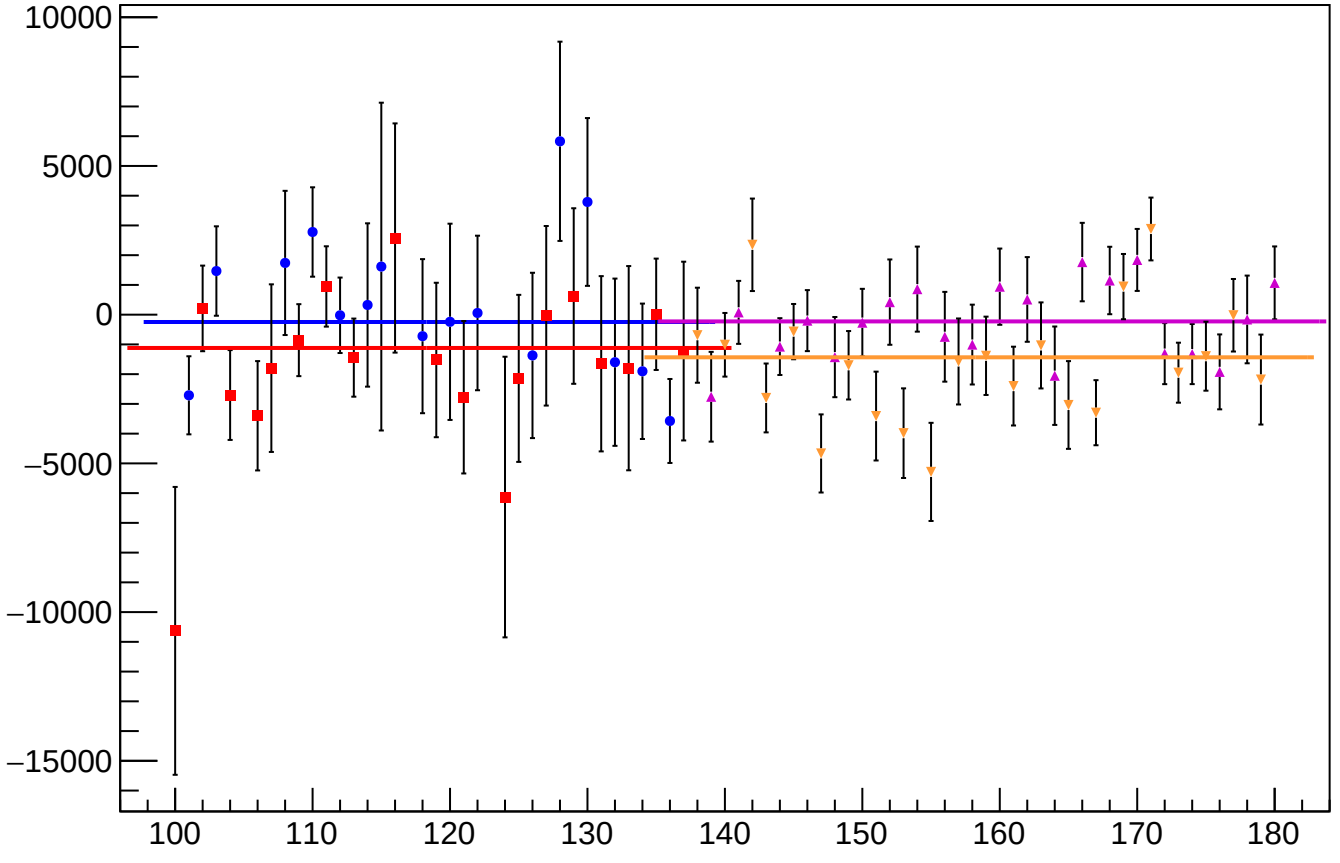
Left In: 142.164+/-0.024 χ^2/NDF:451966.1/20

+ sign 139.095+/-0.020 χ^2/NDF: 944780.4/37

All: 139.145+/-0.014 χ^2/NDF: 1937821.5/77

- 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: -1433.494+/-265.963 χ^2/NDF:52.7/21

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

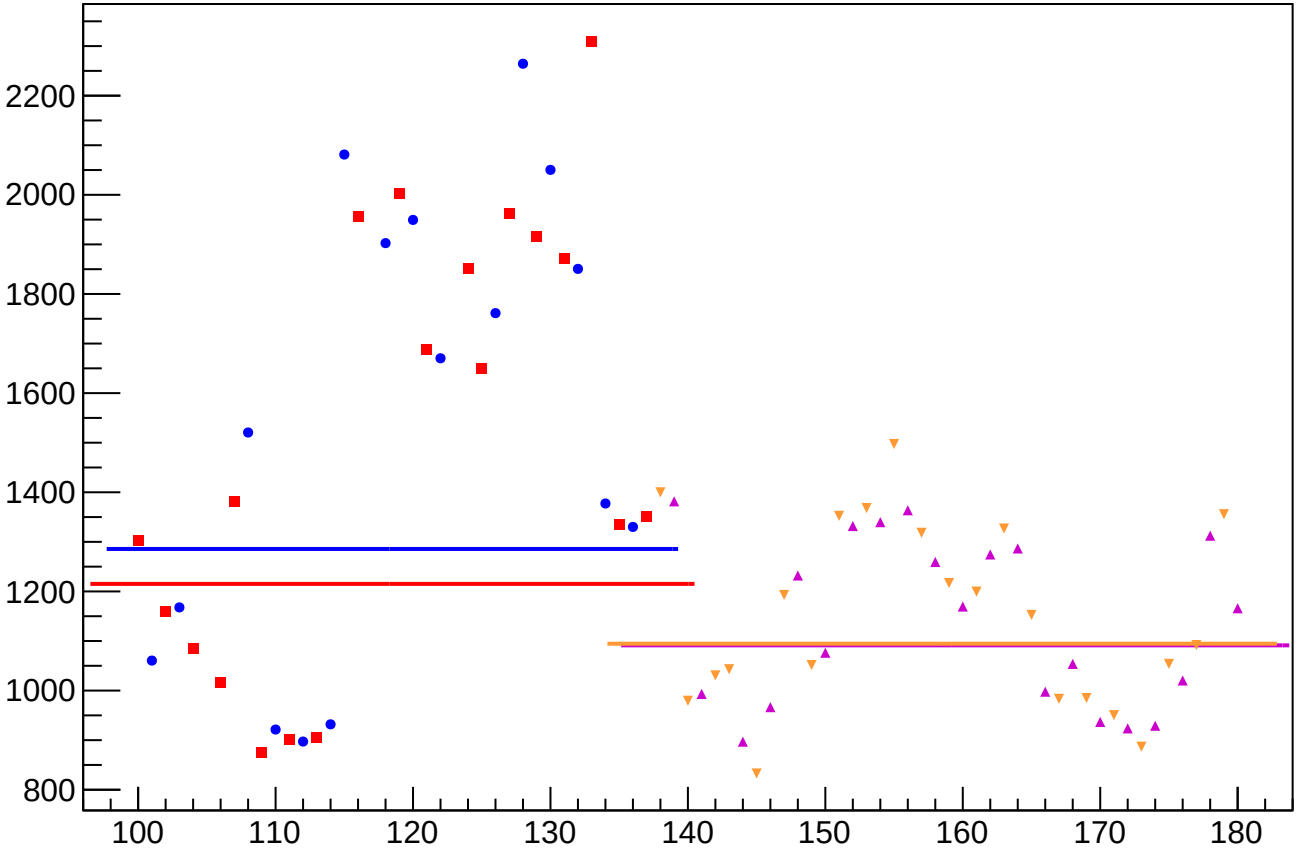
Left In: -226.829+/-266.343 χ^2/NDF:21.0/20

+ sign -1172.830+/-234.956 χ^2/NDF: 78.7/37

All: -803.529+/-164.914 χ^2/NDF: 120.6/77

- 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: 1094.550+/-0.188 χ^2/NDF:878327.9/21

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

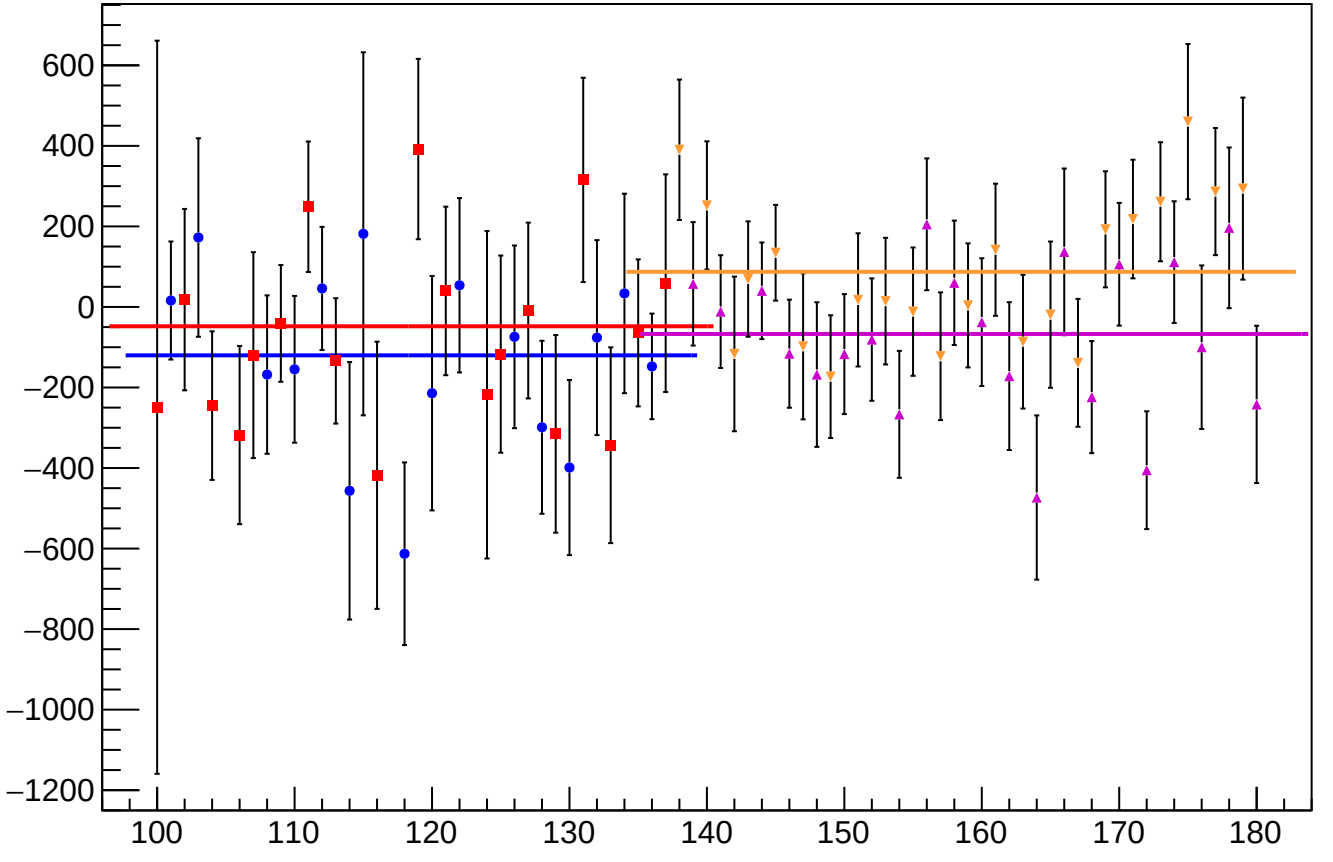
Left In: 1091.234+/-0.188 χ^2/NDF:727242.0/20

+ sign 1136.514+/-0.166 χ^2/NDF: 2275530.0/37

All: 1128.913+/-0.117 χ^2/NDF: 4499112.3/77

- 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: 87.280+/-34.083 χ^2/NDF:24.6/21

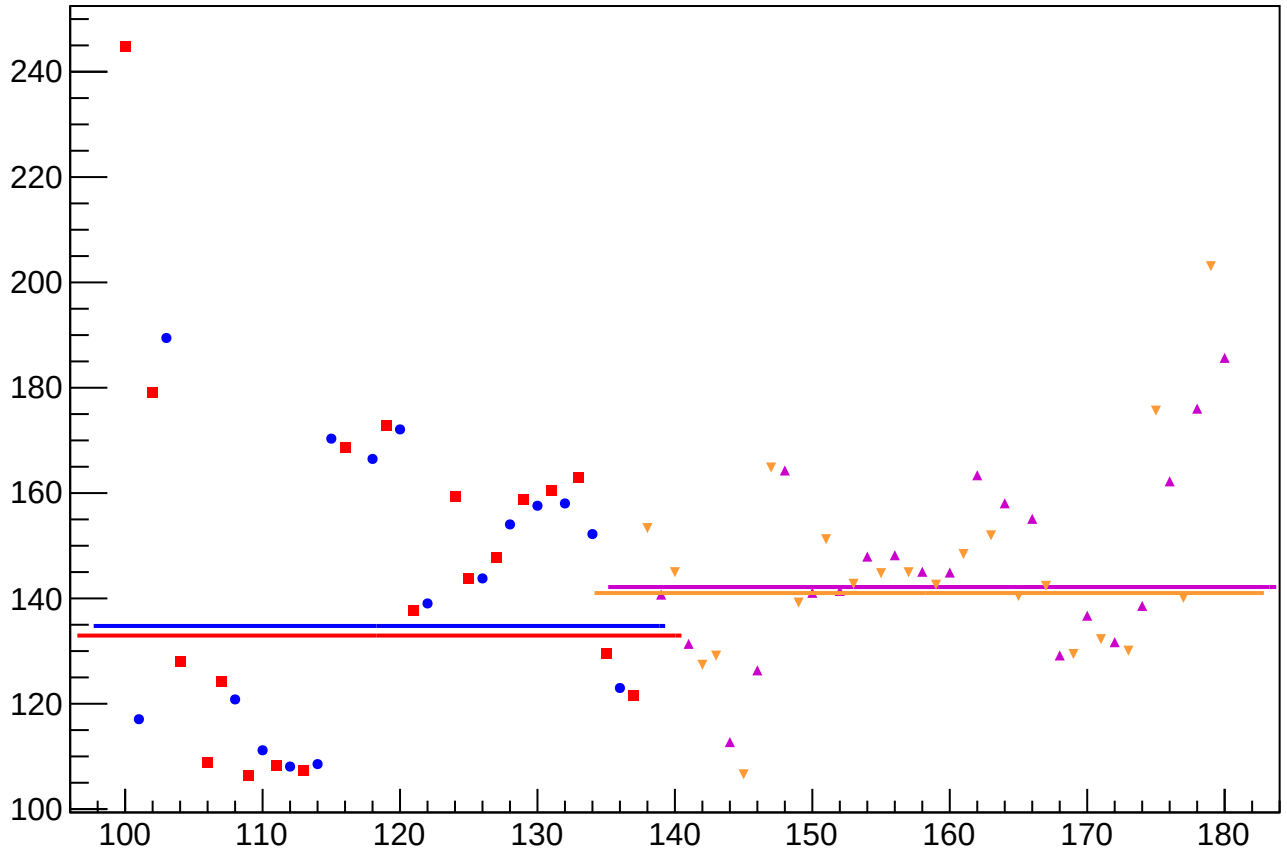
Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: -67.083+/-34.605 χ^2/NDF:24.4/20

+ sign 23.411+/-28.355 χ^2/NDF: 49.5/37

All: -18.615+/-20.080 χ^2/NDF: 95.3/77

- sign -60.893+/-28.440 χ^2/NDF: 41.5/39



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 141.019+/-0.024 χ^2/NDF:507313.8/21

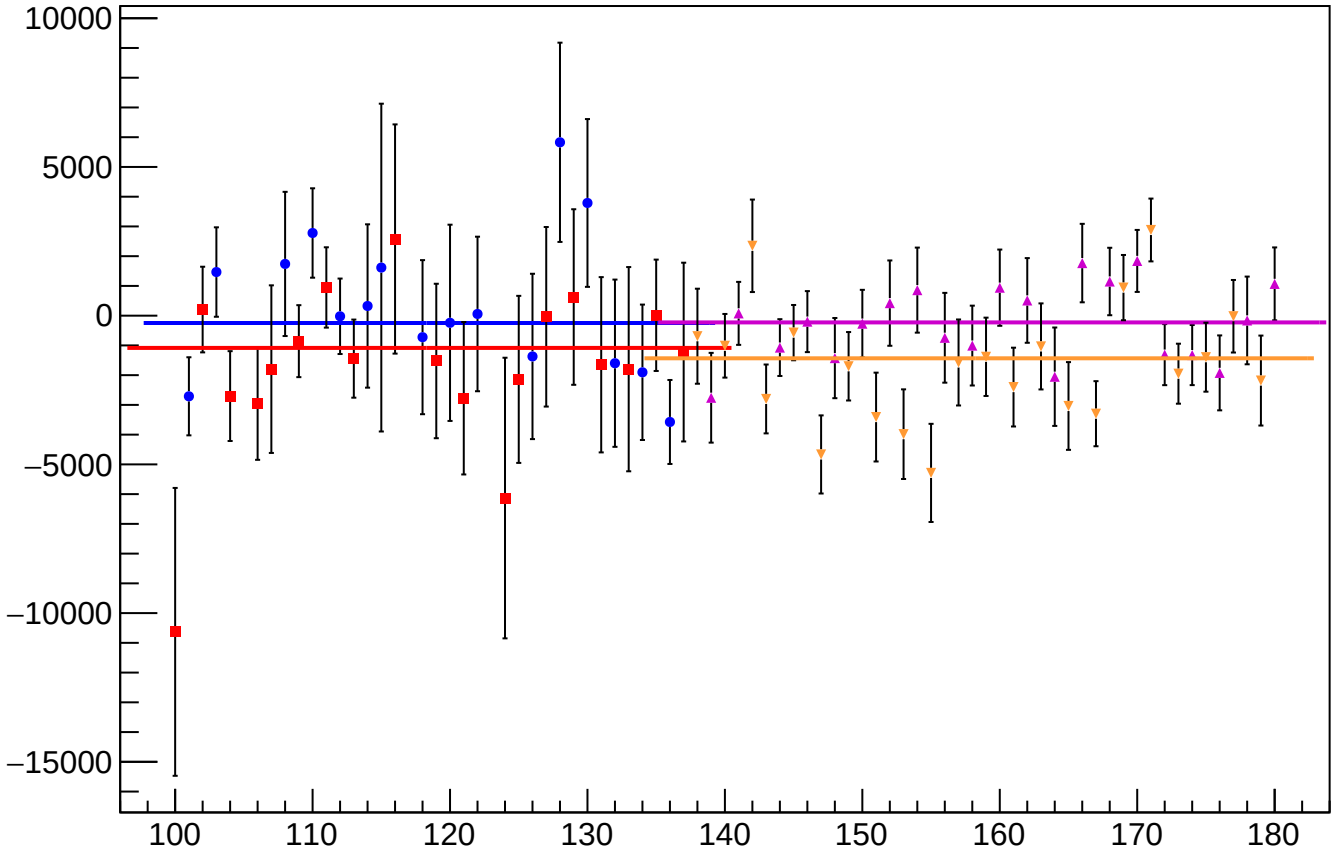
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 142.164+/-0.024 χ^2/NDF:451966.2/20

+ sign 139.095+/-0.020 χ^2/NDF: 944783.3/37

All: 139.134+/-0.014 χ^2/NDF: 1941662.3/77

- 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: -1433.486+/-265.962 χ^2/NDF:52.7/21

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

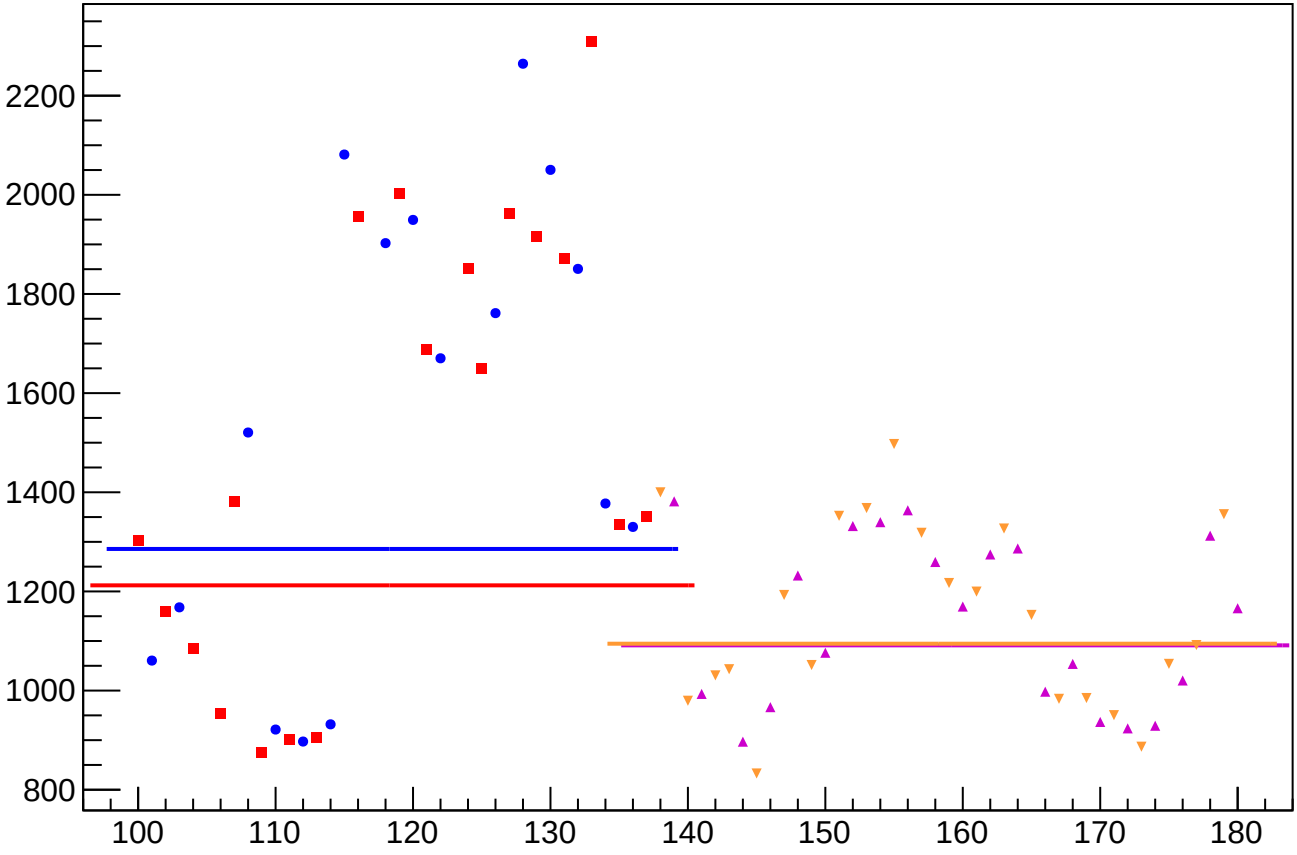
Left In: -226.832+/-266.343 χ^2/NDF:21.0/20

\+ sign -1172.843+/-234.956 χ^2/NDF: 78.7/37

All: -799.017+/-164.955 χ^2/NDF: 119.9/77

\- 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: 1094.549+/-0.188 χ^2/NDF:878328.5/21

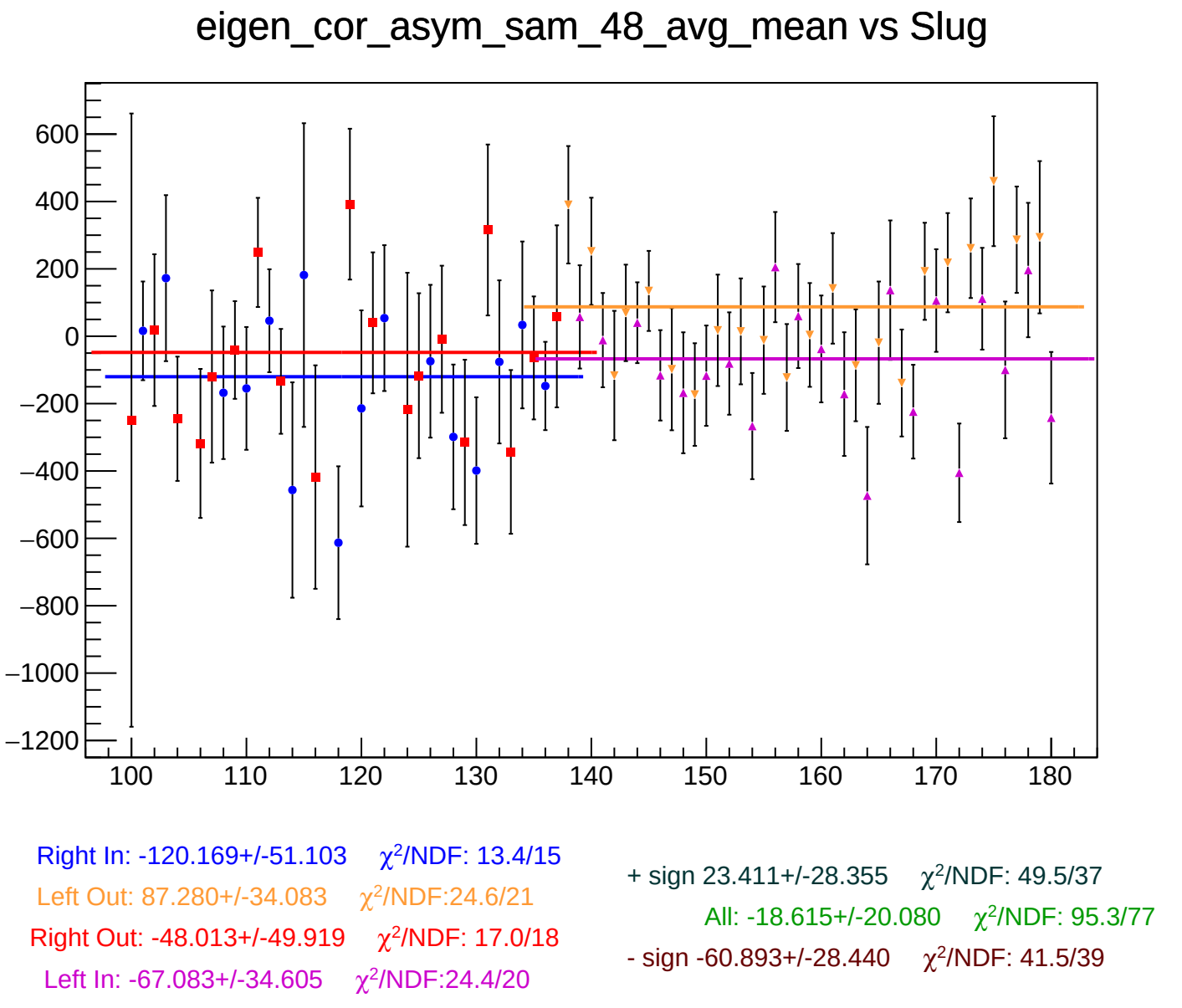
Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1091.234+/-0.188 χ^2/NDF:727242.5/20

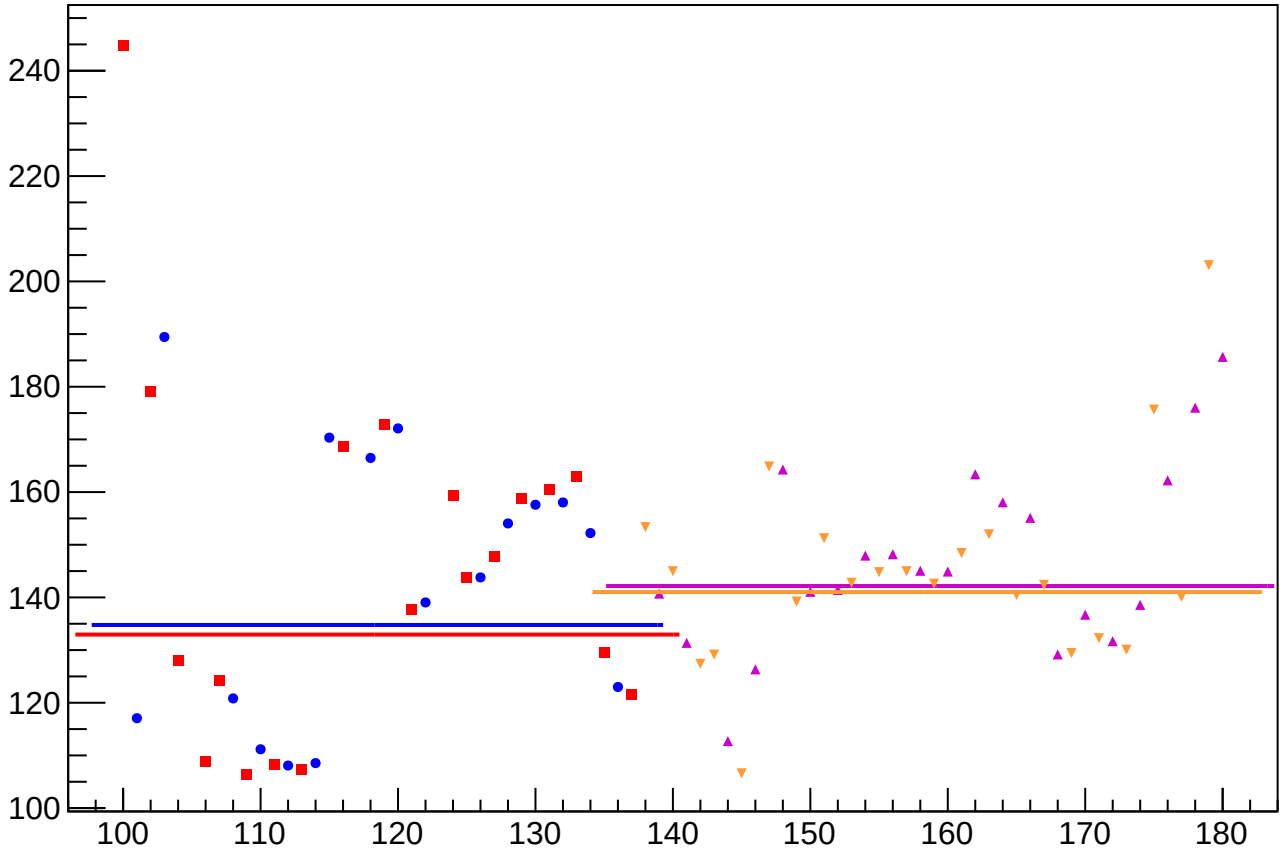
+ sign 1136.516+/-0.166 χ^2/NDF: 2275535.2/37

All: 1128.506+/-0.117 χ^2/NDF: 4508621.5/77

- sign 1120.720+/-0.164 χ^2/NDF: 2228502.4/39


eigen_cor_asym_sam_48_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
180
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 87.280+/-34.083 χ²/NDF:24.6/21
Right Out: -48.013+/-49.919 χ²/NDF: 17.0/18
Left In: -67.083+/-34.605 χ²/NDF:24.4/20
+ sign 23.411+/-28.355 χ²/NDF: 49.5/37
All: -18.615+/-20.080 χ²/NDF: 95.3/77
- sign -60.893+/-28.440 χ²/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: 141.019+/-0.024 χ^2/NDF:507313.8/21

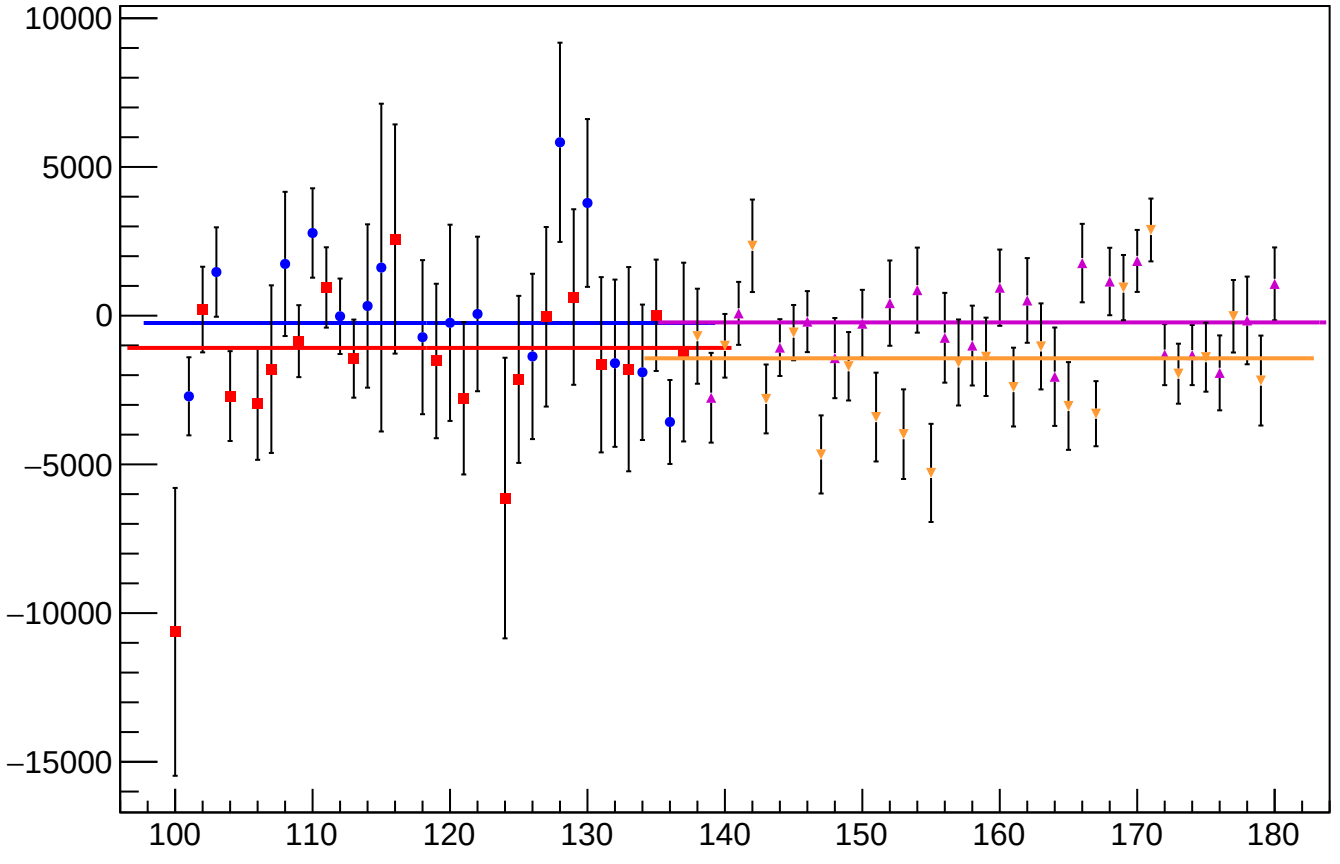
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 142.164+/-0.024 χ^2/NDF:451966.2/20

+ sign 139.095+/-0.020 χ^2/NDF: 944783.3/37

All: 139.134+/-0.014 χ^2/NDF: 1941662.3/77

- 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: -1433.486+/-265.962 χ^2/NDF:52.7/21

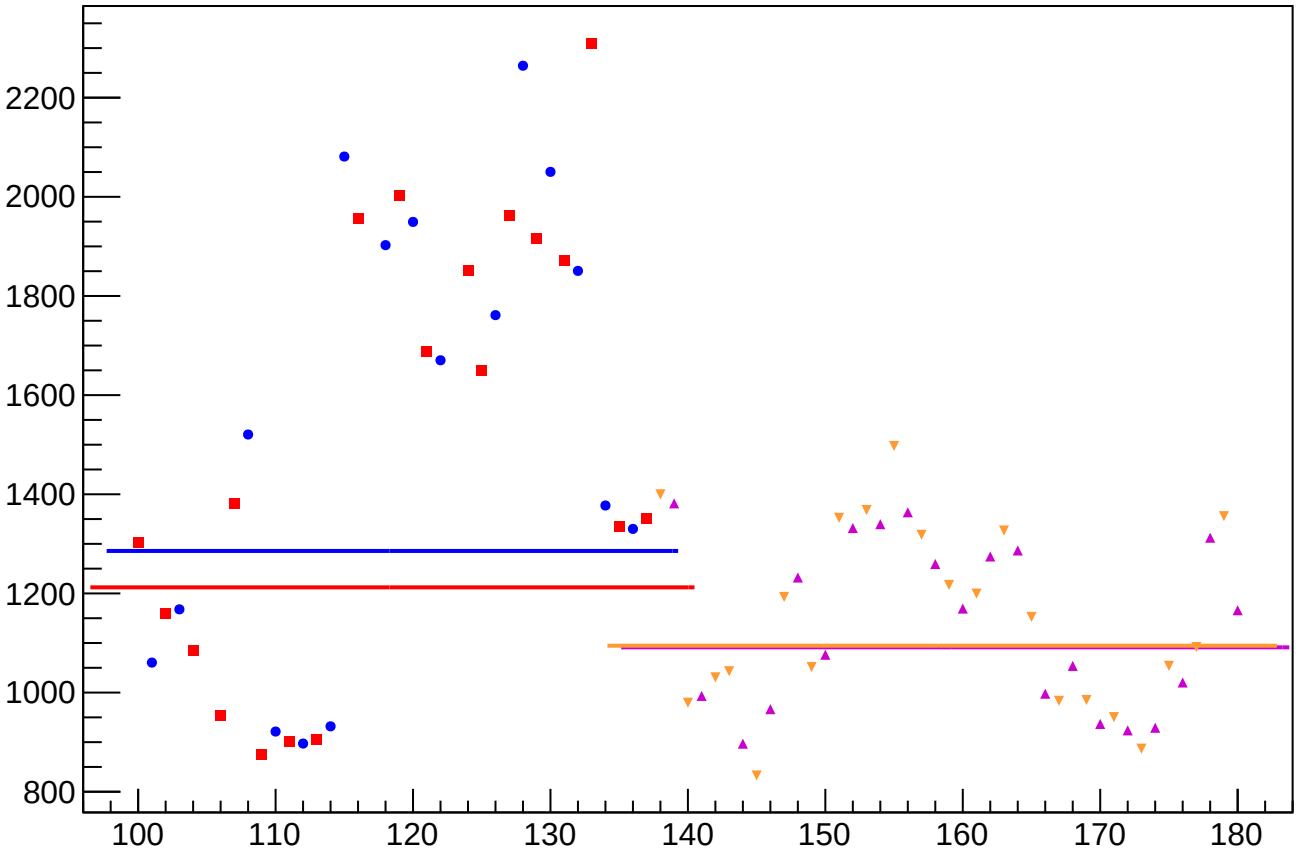
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -226.832+/-266.343 χ^2/NDF:21.0/20

+ sign -1172.843+/-234.956 χ^2/NDF: 78.7/37

All: -799.017+/-164.955 χ^2/NDF: 119.9/77

- 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: 1094.549+/-0.188 χ^2/NDF:878328.5/21

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

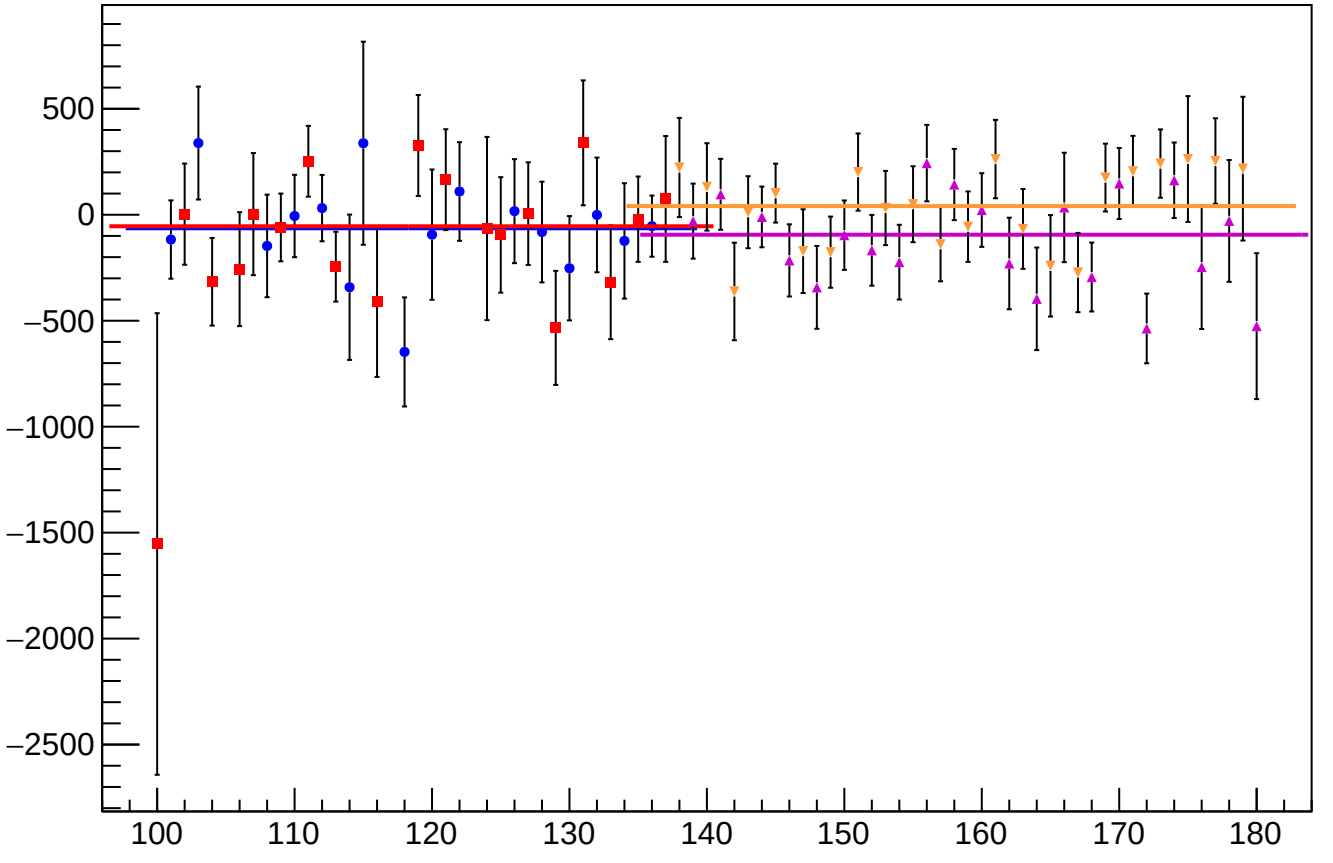
Left In: 1091.234+/-0.188 χ^2/NDF:727242.5/20

+ sign 1136.516+/-0.166 χ^2/NDF: 2275535.2/37

All: 1128.506+/-0.117 χ^2/NDF: 4508621.5/77

- 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: 40.827+/-39.774 χ^2/NDF:20.2/21

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

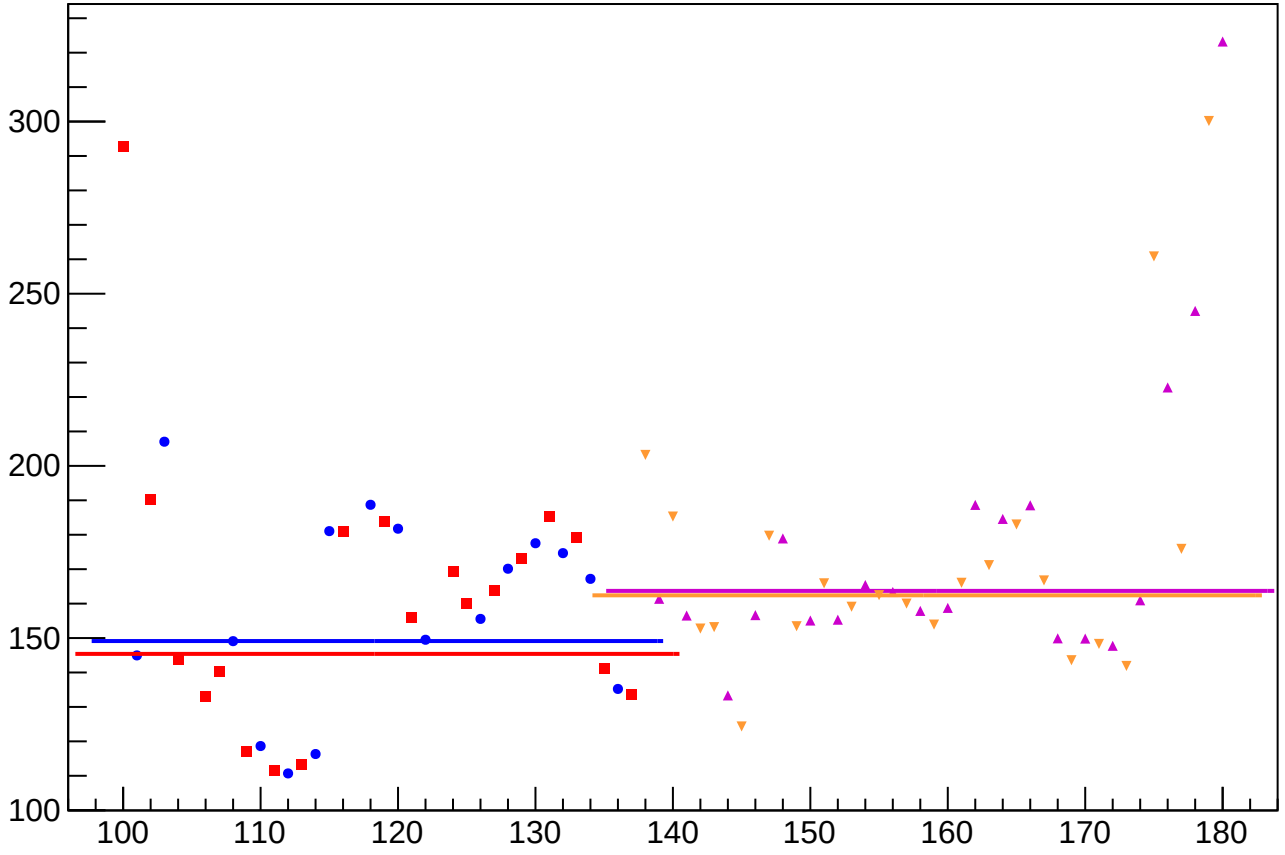
Left In: -94.200+/-40.518 χ^2/NDF:27.6/20

+ sign 6.355+/-32.568 χ^2/NDF: 33.3/37

All: -36.863+/-23.029 χ^2/NDF: 84.3/77

- 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: 162.406+/-0.028 χ^2/NDF:926589.1/21

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

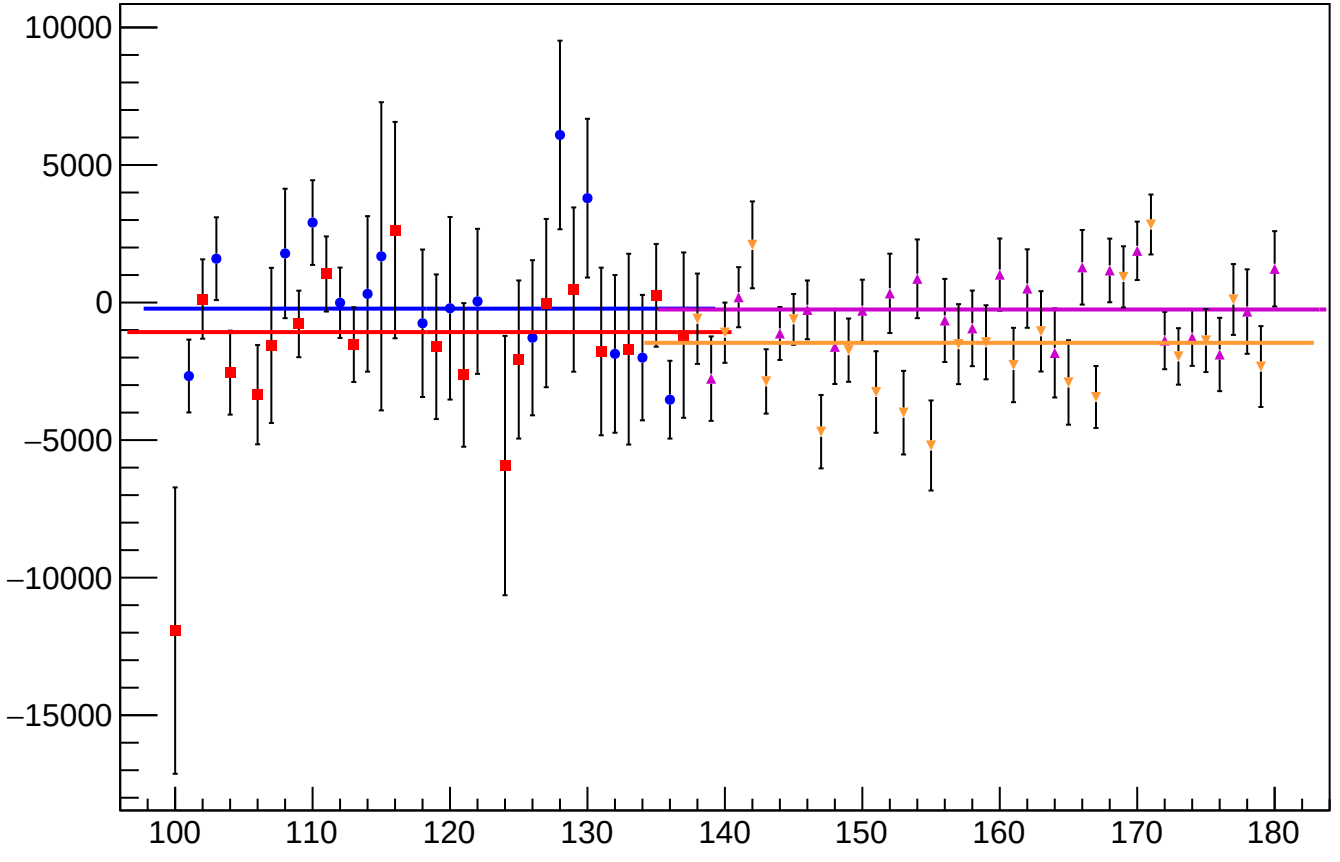
Left In: 163.697+/-0.029 χ^2/NDF:902848.1/20

\+ sign 158.031+/-0.023 χ^2/NDF: 1451019.8/37

All: 157.626+/-0.016 χ^2/NDF: 3024674.1/77

\- sign 157.221+/-0.023 χ^2/NDF: 1573035.1/39

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1464.177+/-269.473 χ^2/NDF:49.8/21

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

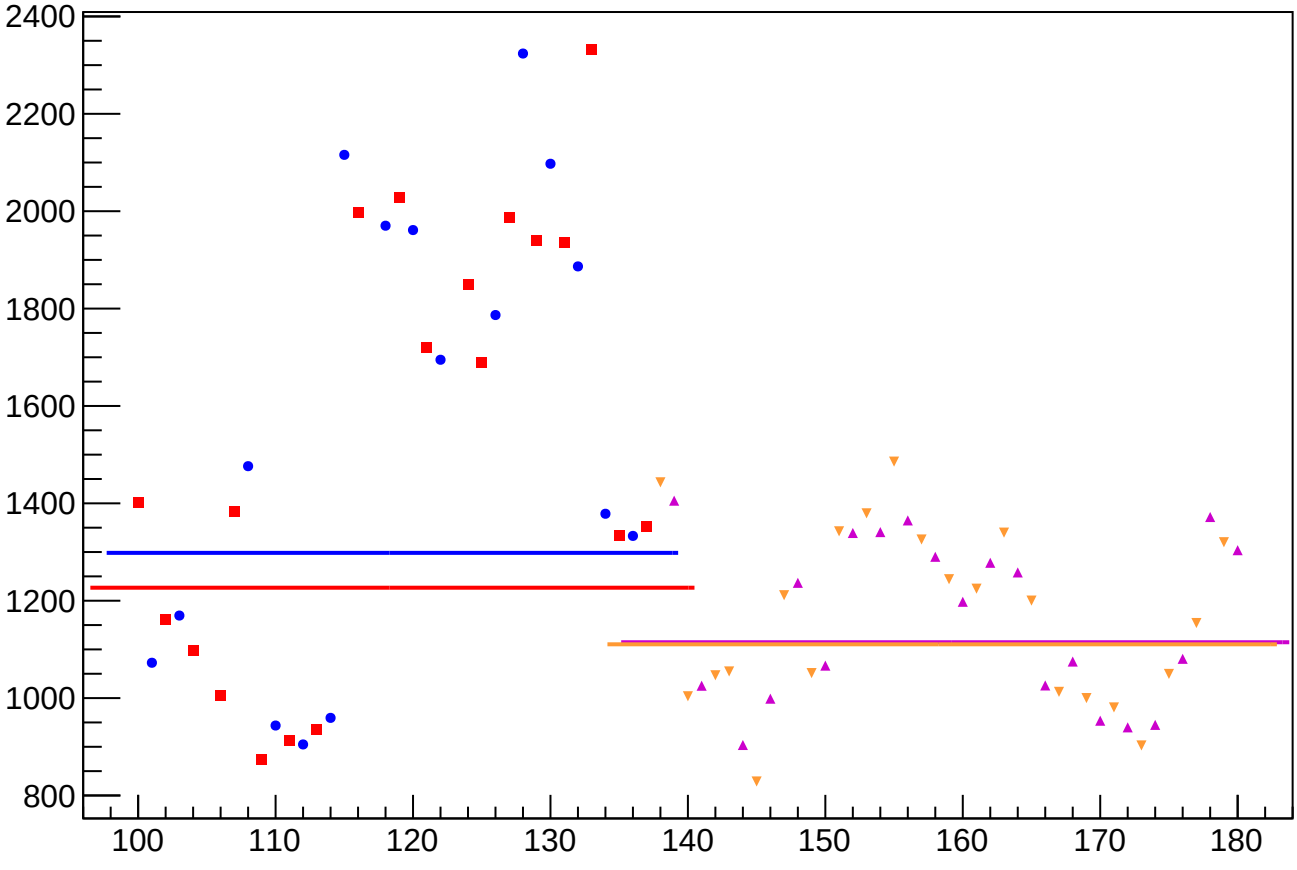
Left In: -252.503+/-272.040 χ^2/NDF:19.6/20

+ sign -1189.720+/-237.868 χ^2/NDF: 76.4/37

All: -820.116+/-167.461 χ^2/NDF: 116.6/77

- 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: 1110.486+/-0.191 χ^2/NDF:856508.7/21

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

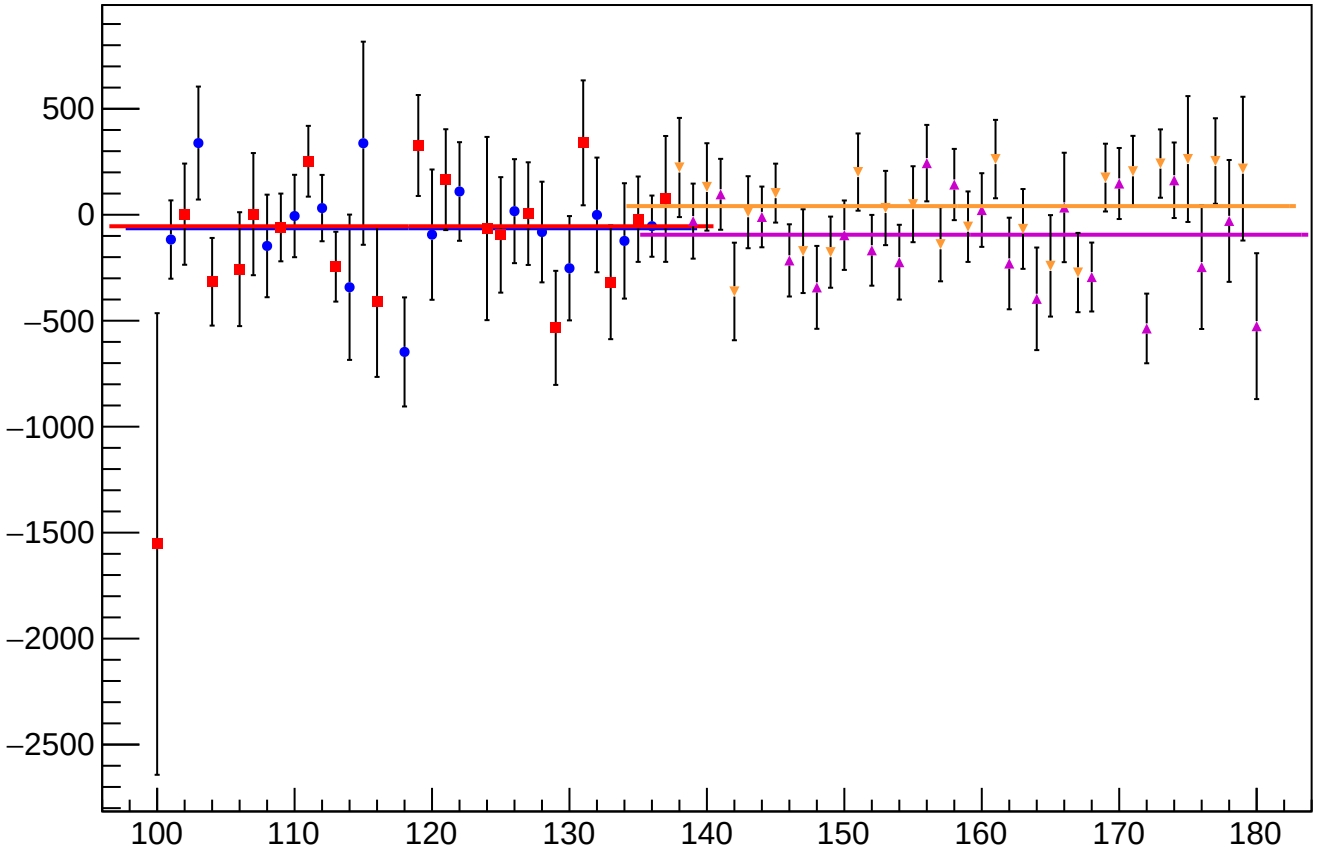
Left In: 1114.729+/-0.192 χ^2/NDF:724056.4/20

+ sign 1151.956+/-0.168 χ^2/NDF: 2253142.4/37

All: 1147.229+/-0.118 χ^2/NDF: 4467597.3/77

- 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: 40.829+/-39.774 χ^2/NDF:20.2/21

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

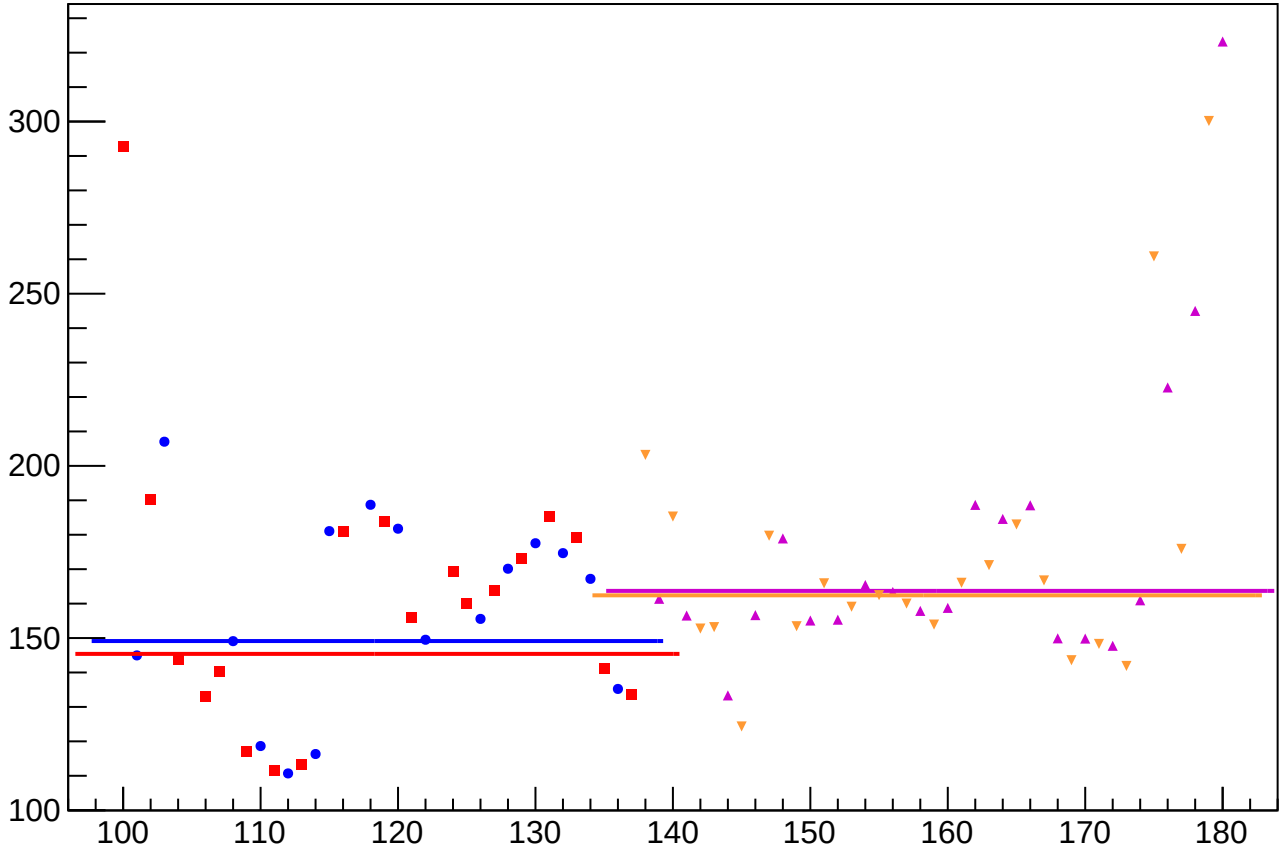
Left In: -94.200+/-40.518 χ^2/NDF:27.6/20

+ sign 6.357+/-32.568 χ^2/NDF: 33.3/37

All: -36.861+/-23.029 χ^2/NDF: 84.3/77

- 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: 162.407+/-0.028 χ^2/NDF:926586.9/21

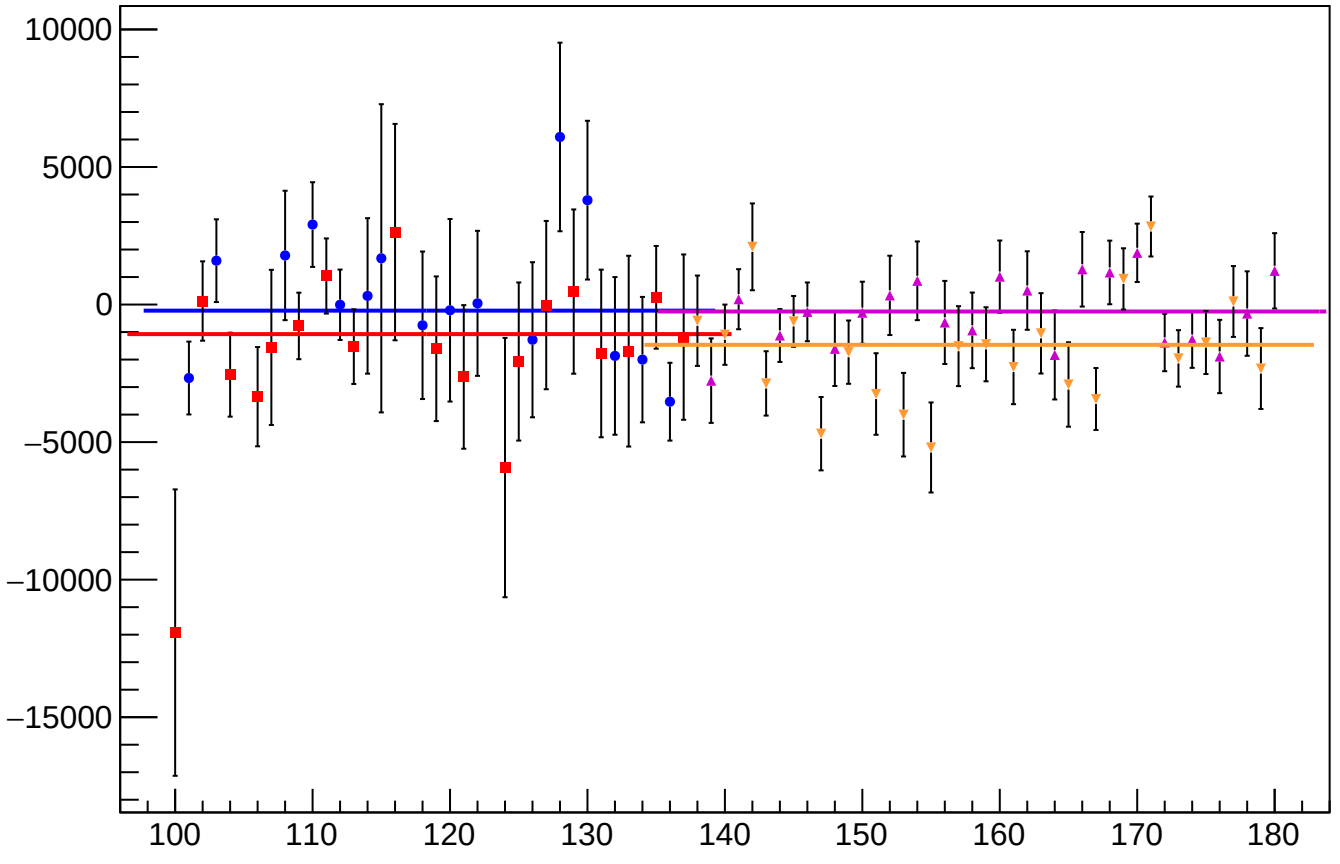
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 163.698+/-0.029 χ^2/NDF:902827.6/20

+ sign 158.032+/-0.023 χ^2/NDF: 1451022.0/37

All: 157.626+/-0.016 χ^2/NDF: 3024662.7/77

- 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: -1464.174+/-269.473 χ^2/NDF:49.8/21

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

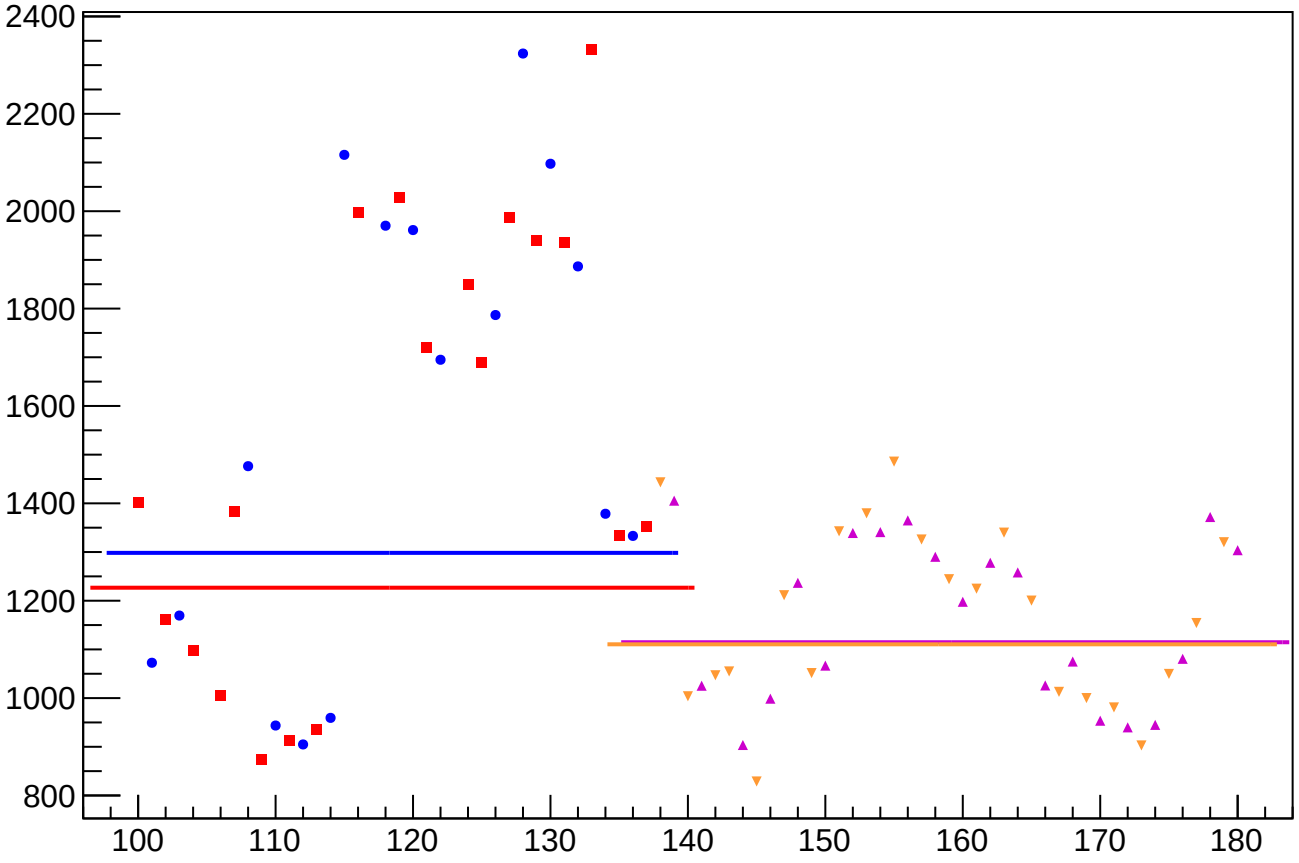
Left In: -252.502+/-272.039 χ^2/NDF:19.6/20

+ sign -1189.718+/-237.868 χ^2/NDF: 76.4/37

All: -820.114+/-167.461 χ^2/NDF: 116.6/77

- 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: 1110.484+/-0.191 χ^2/NDF:856510.6/21

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

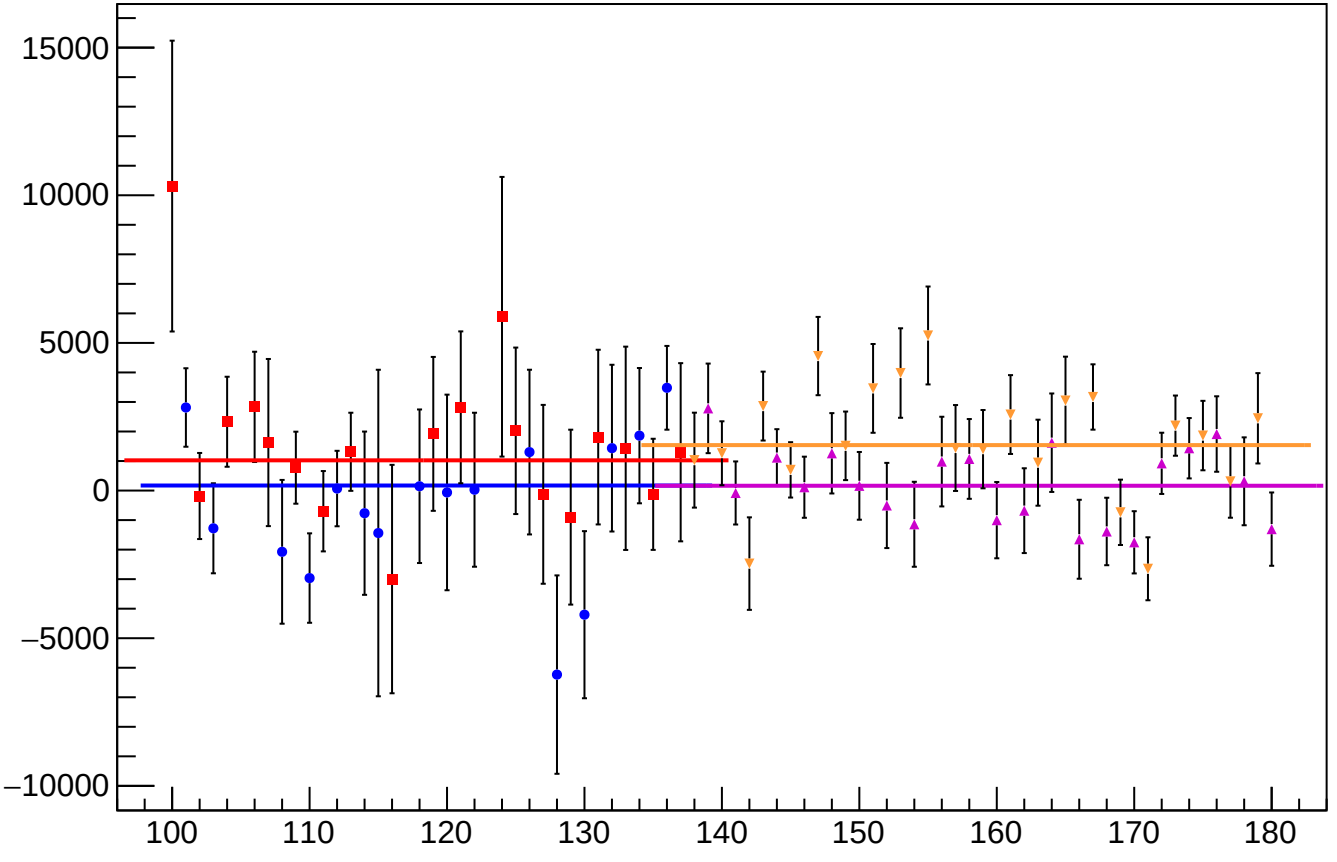
Left In: 1114.727+/-0.192 χ^2/NDF:724054.7/20

+ sign 1151.954+/-0.168 χ^2/NDF: 2253150.2/37

All: 1147.227+/-0.118 χ^2/NDF: 4467607.7/77

- sign 1142.582+/-0.167 χ^2/NDF: 2212891.5/39

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1539.411+/-268.336 χ^2/NDF:48.7/21

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

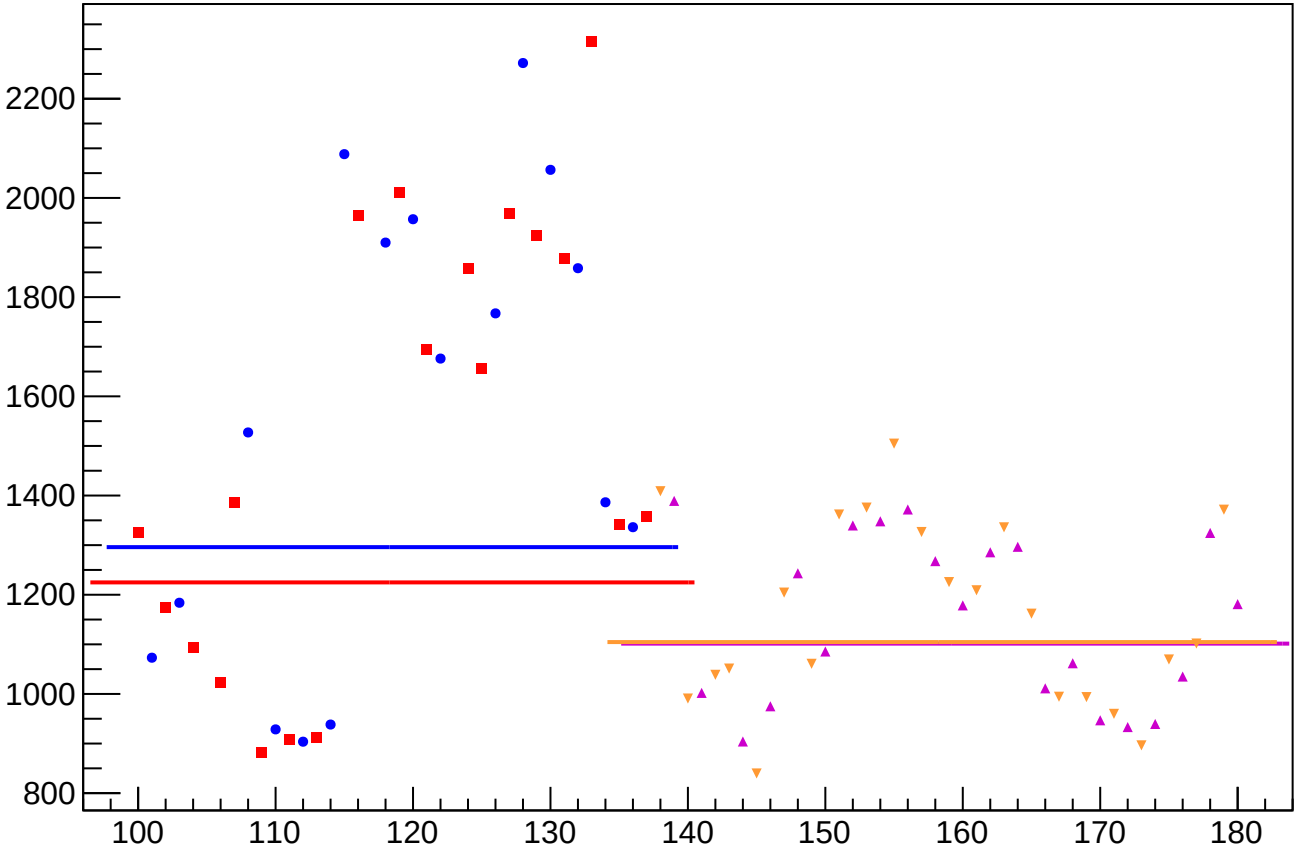
Left In: 163.050+/-268.782 χ^2/NDF:20.7/20

\+ sign 1238.257+/-236.975 χ^2/NDF: 77.0/37

All: 799.765+/-166.349 χ^2/NDF: 118.6/77

\- 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: 1104.578+/-0.190 χ^2/NDF:866245.2/21

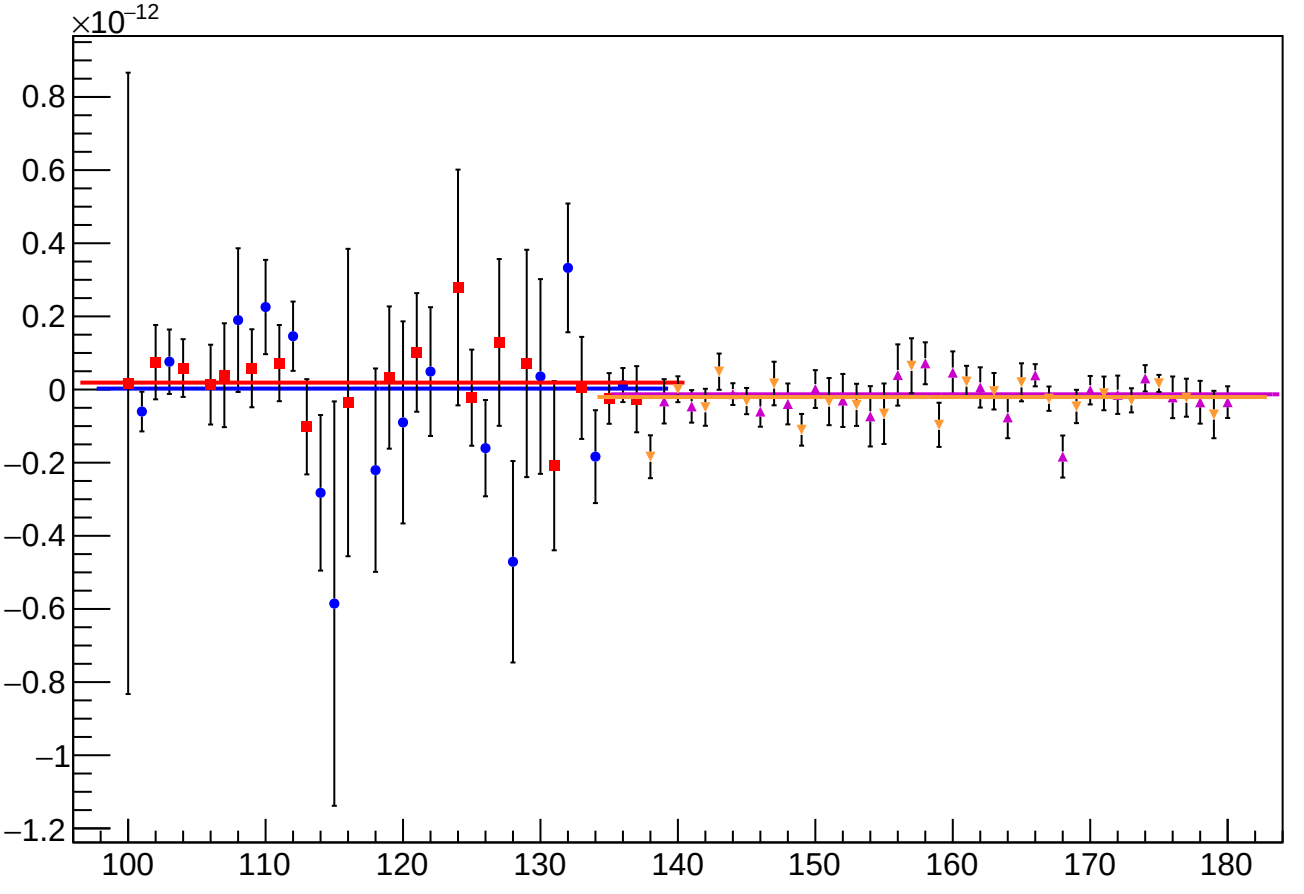
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1101.444+/-0.190 χ^2/NDF:715743.2/20

+ sign 1146.705+/-0.168 χ^2/NDF: 2244397.7/37

All: 1139.077+/-0.118 χ^2/NDF: 4438783.3/77

- 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:23.7/21

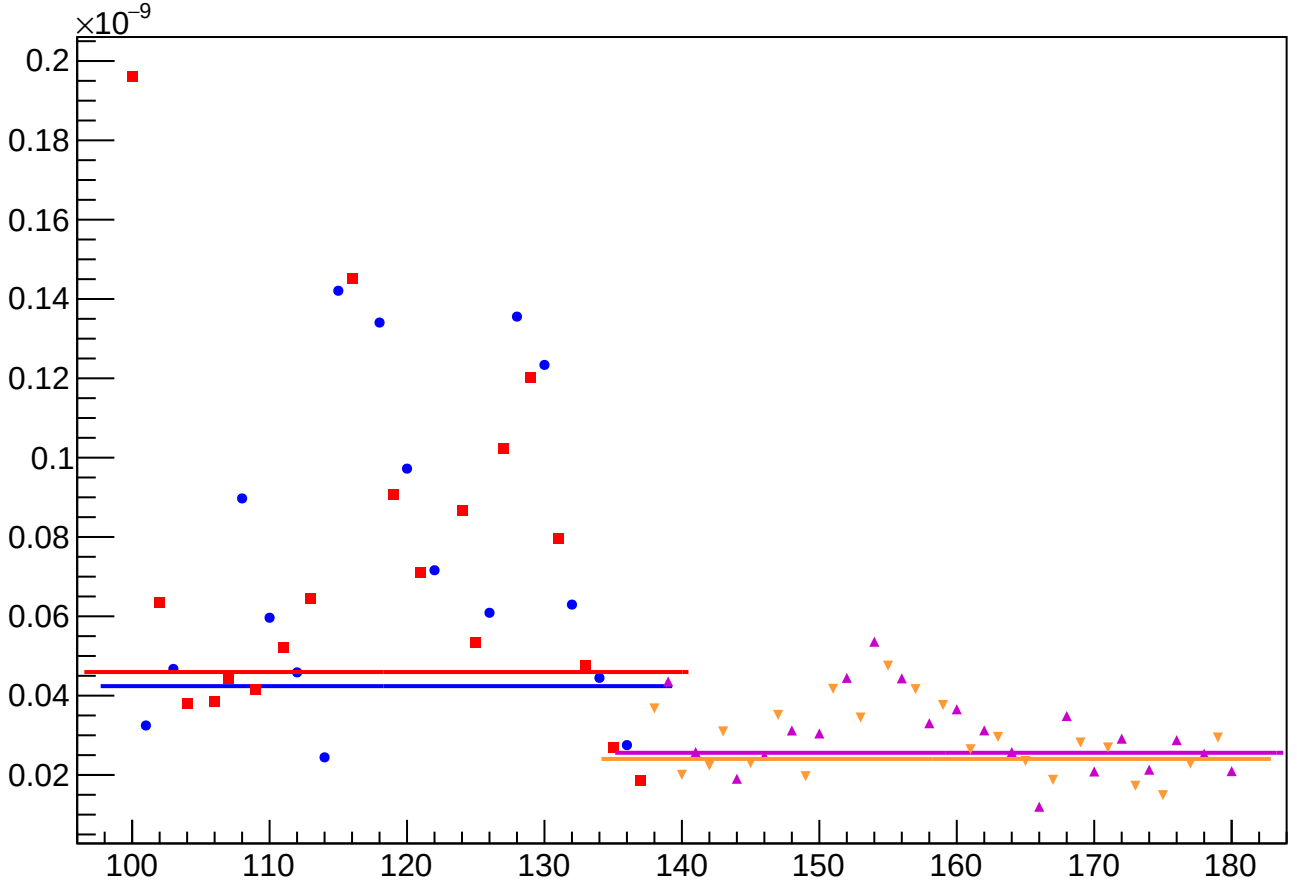
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 46.5/37

All: -0.000+/-0.000 χ^2/NDF: 74.2/77

- 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:1355208.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

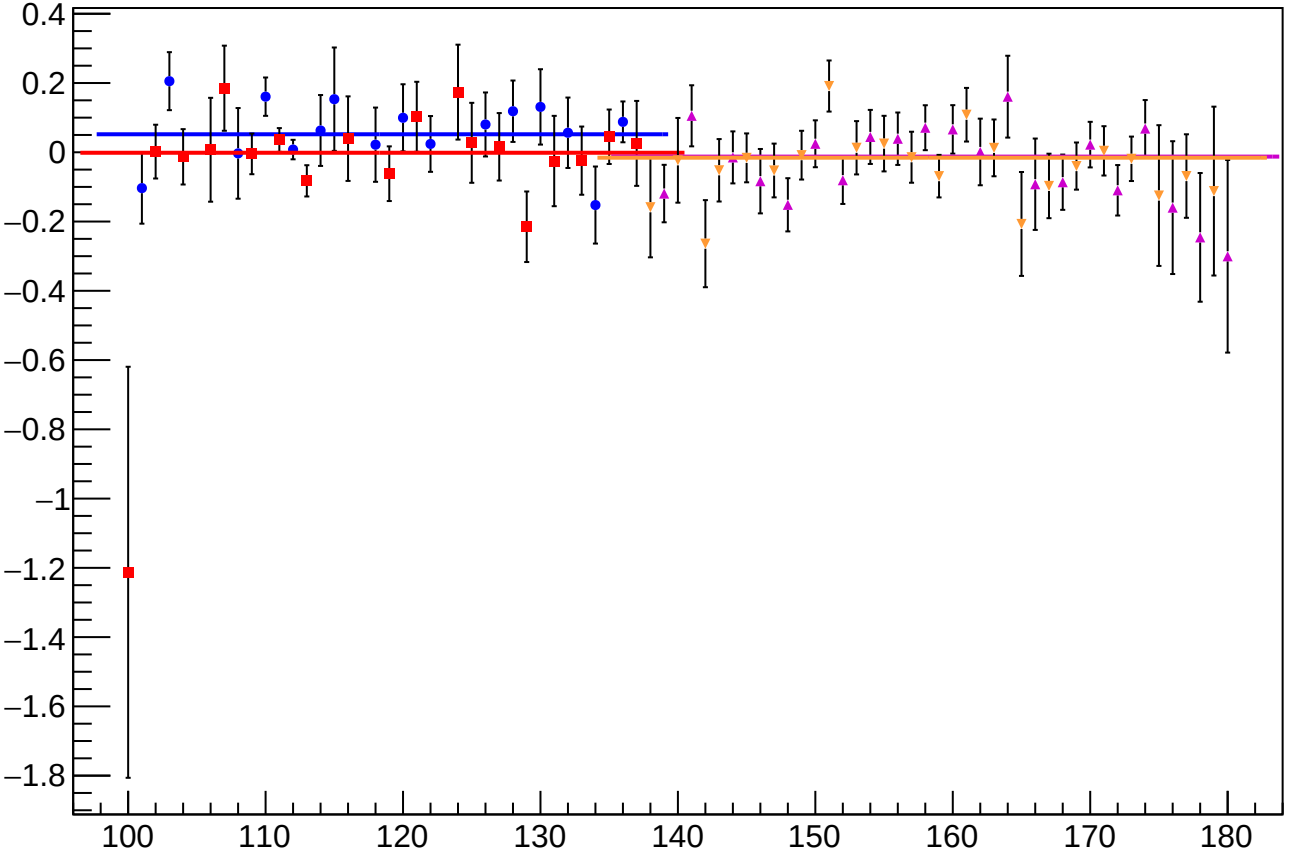
Left In: 0.000+/-0.000 χ^2/NDF:1454185.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 3529190.7/37

All: 0.000+/-0.000 χ^2/NDF: 7020940.2/77

- sign 0.000+/-0.000 χ^2/NDF: 3452013.8/39

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

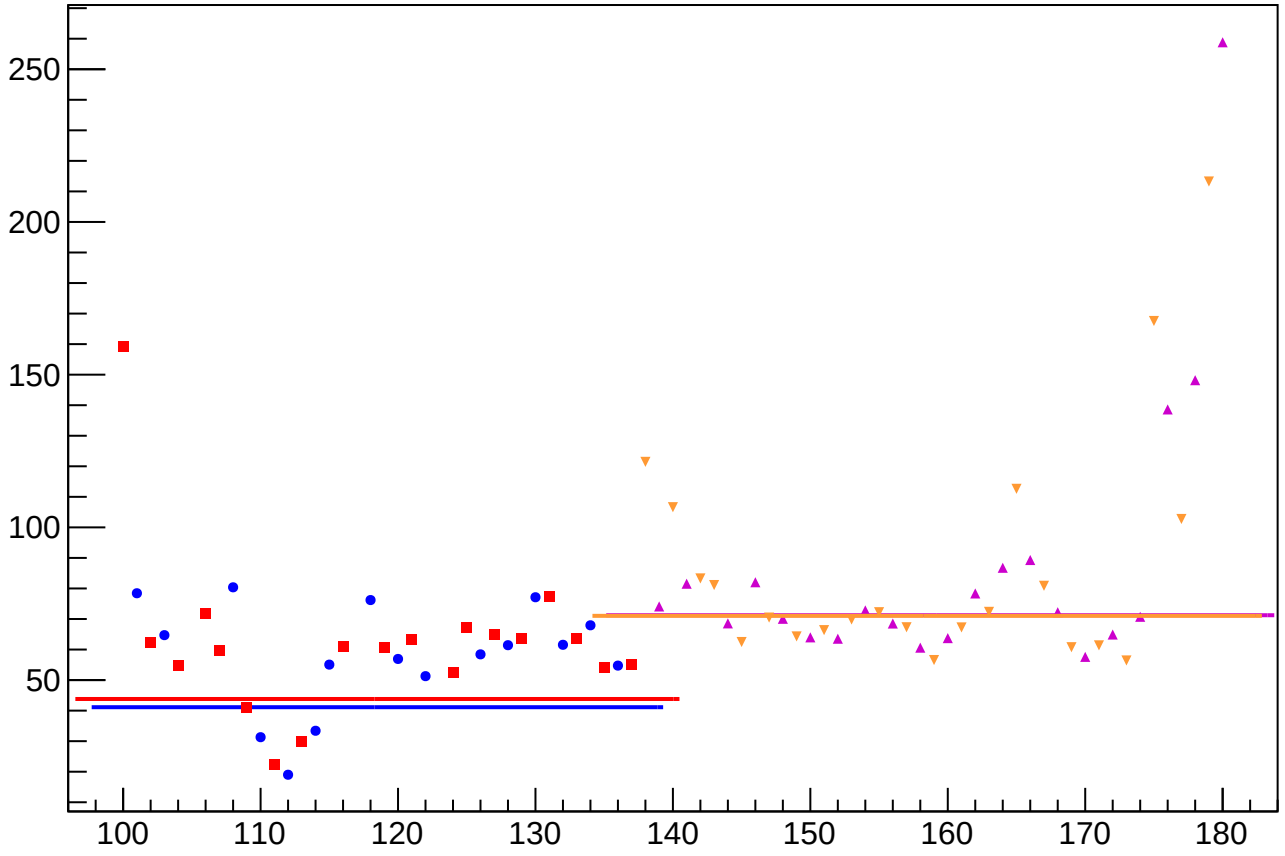
Left In: -0.012+/-0.018 χ^2/NDF:22.2/20

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/37

All: 0.006+/-0.009 χ^2/NDF: 88.9/77

- 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: 71.037+/-0.013 χ^2/NDF:2266621.3/21

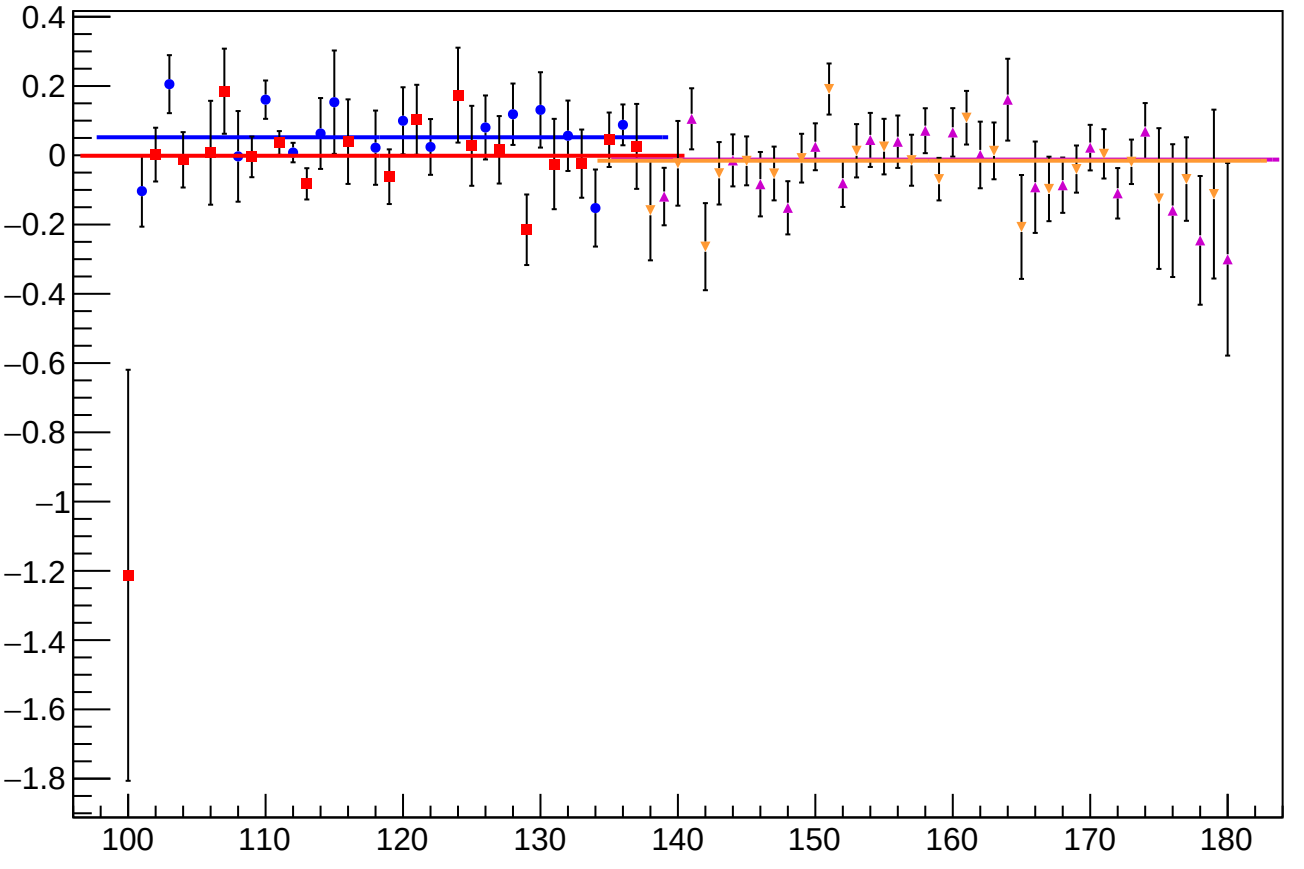
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.235+/-0.013 χ^2/NDF:1872123.6/20

+ sign 55.842+/-0.009 χ^2/NDF: 7980865.1/37

All: 56.524+/-0.006 χ^2/NDF: 14201306.5/77

- 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: -0.016+/-0.018 χ^2/NDF:20.2/21

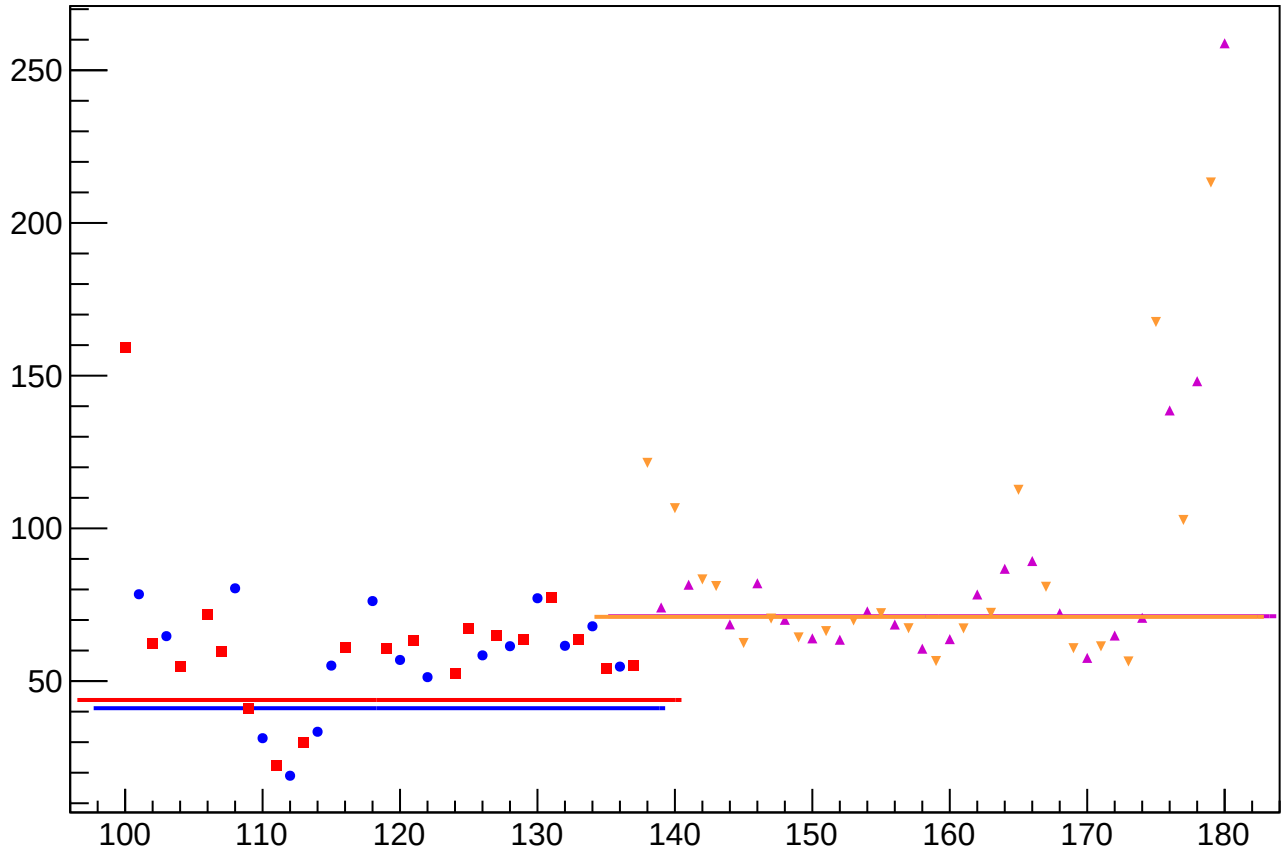
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.012+/-0.018 χ^2/NDF:22.2/20

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/37

All: 0.006+/-0.009 χ^2/NDF: 88.9/77

- 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: 71.037+/-0.013 χ^2/NDF:2266621.3/21

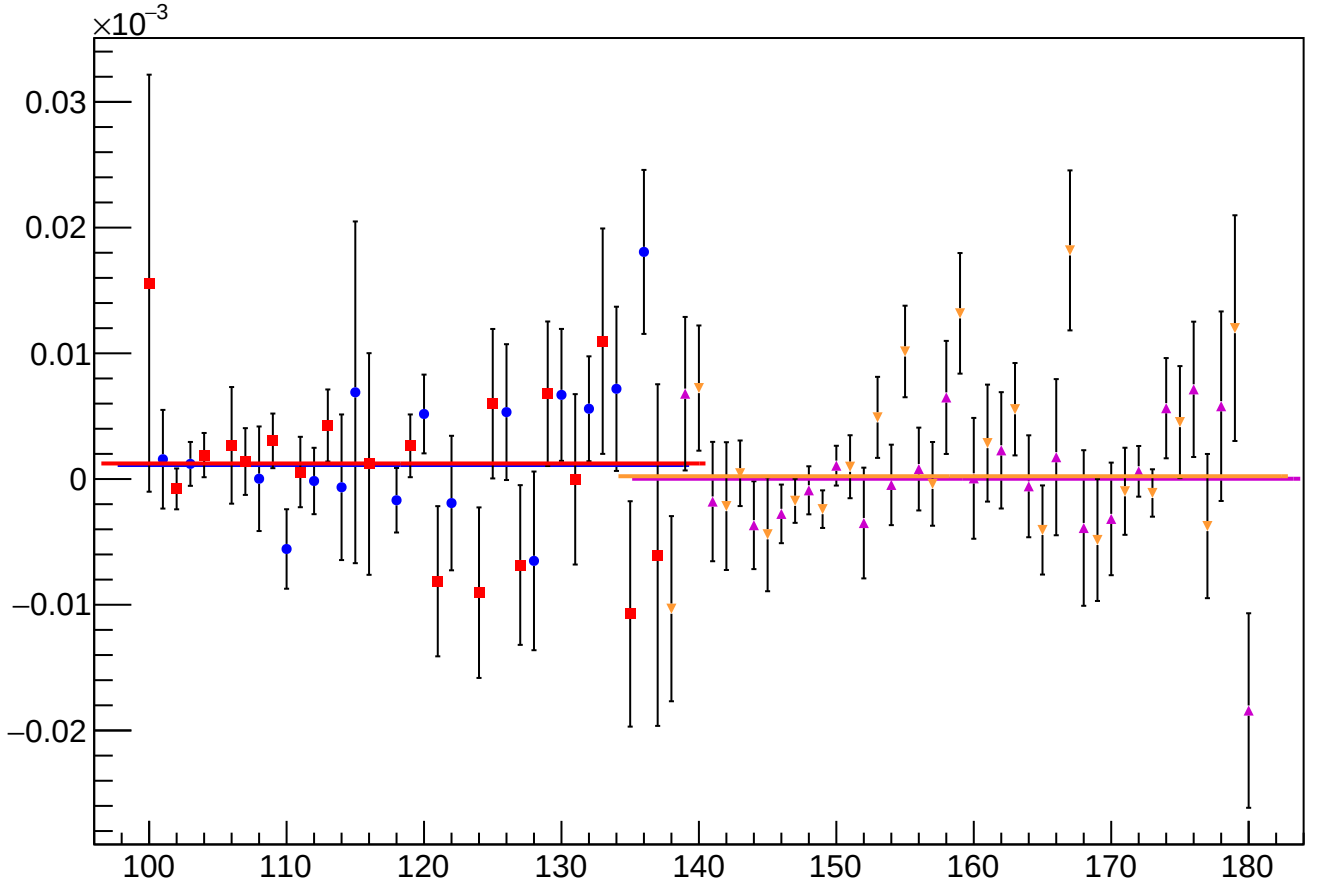
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.235+/-0.013 χ^2/NDF:1872123.6/20

+ sign 55.842+/-0.009 χ^2/NDF: 7980865.1/37

All: 56.524+/-0.006 χ^2/NDF: 14201306.5/77

- 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:43.3/21

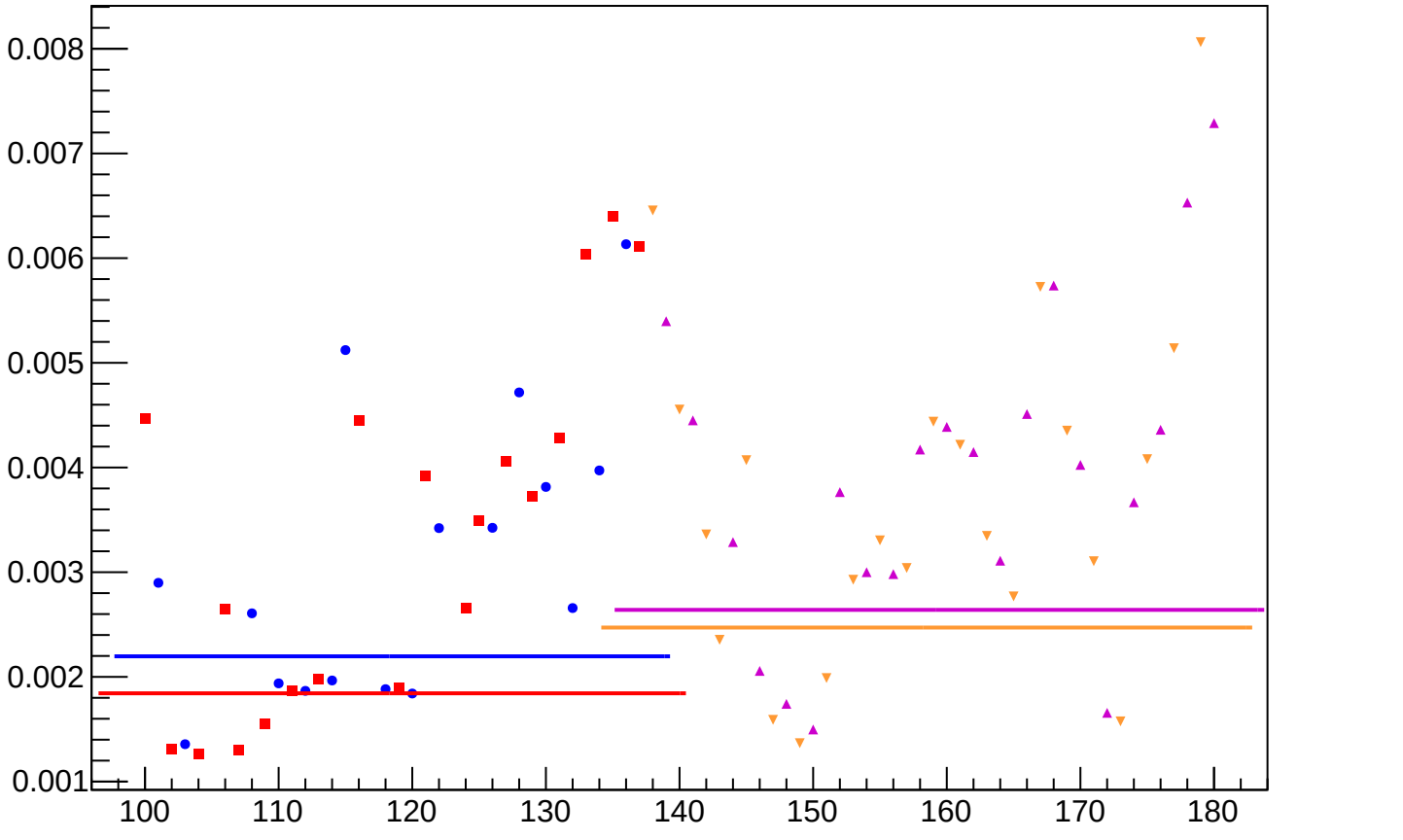
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

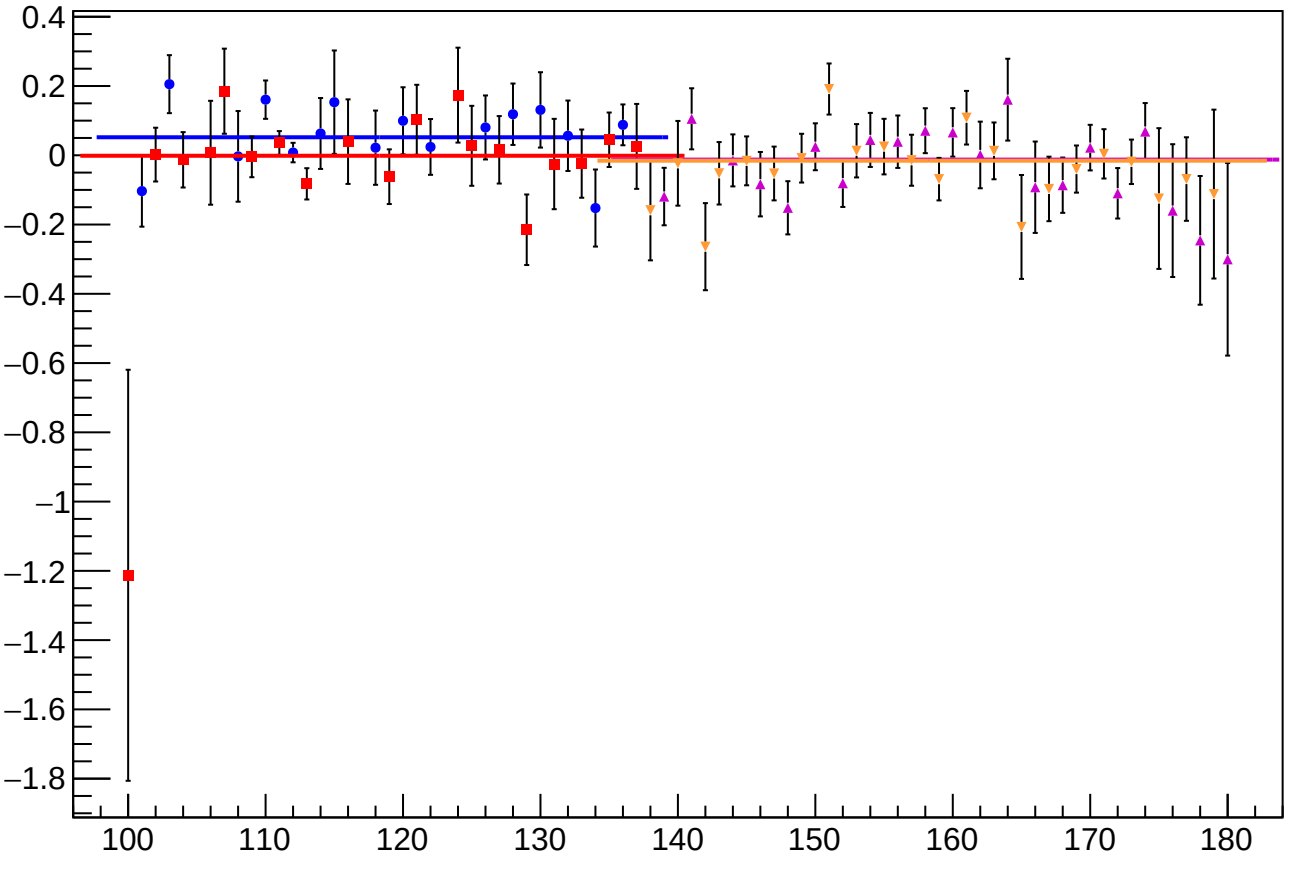
Left In: 0.000+/-0.000 χ^2/NDF:18.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 63.8/37

All: 0.000+/-0.000 χ^2/NDF: 99.8/77

- sign 0.000+/-0.000 χ^2/NDF: 36.0/39


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2292909.6/15
Left Out: 0.002+/-0.000 χ²/NDF:6681255.3/21
Right Out: 0.002+/-0.000 χ²/NDF: 3137598.0/18
Left In: 0.003+/-0.000 χ²/NDF:6231379.4/20
+ sign 0.002+/-0.000 χ²/NDF: 9093340.9/37
All: 0.002+/-0.000 χ²/NDF: 19658231.7/77
- sign 0.002+/-0.000 χ²/NDF: 10522117.0/39



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

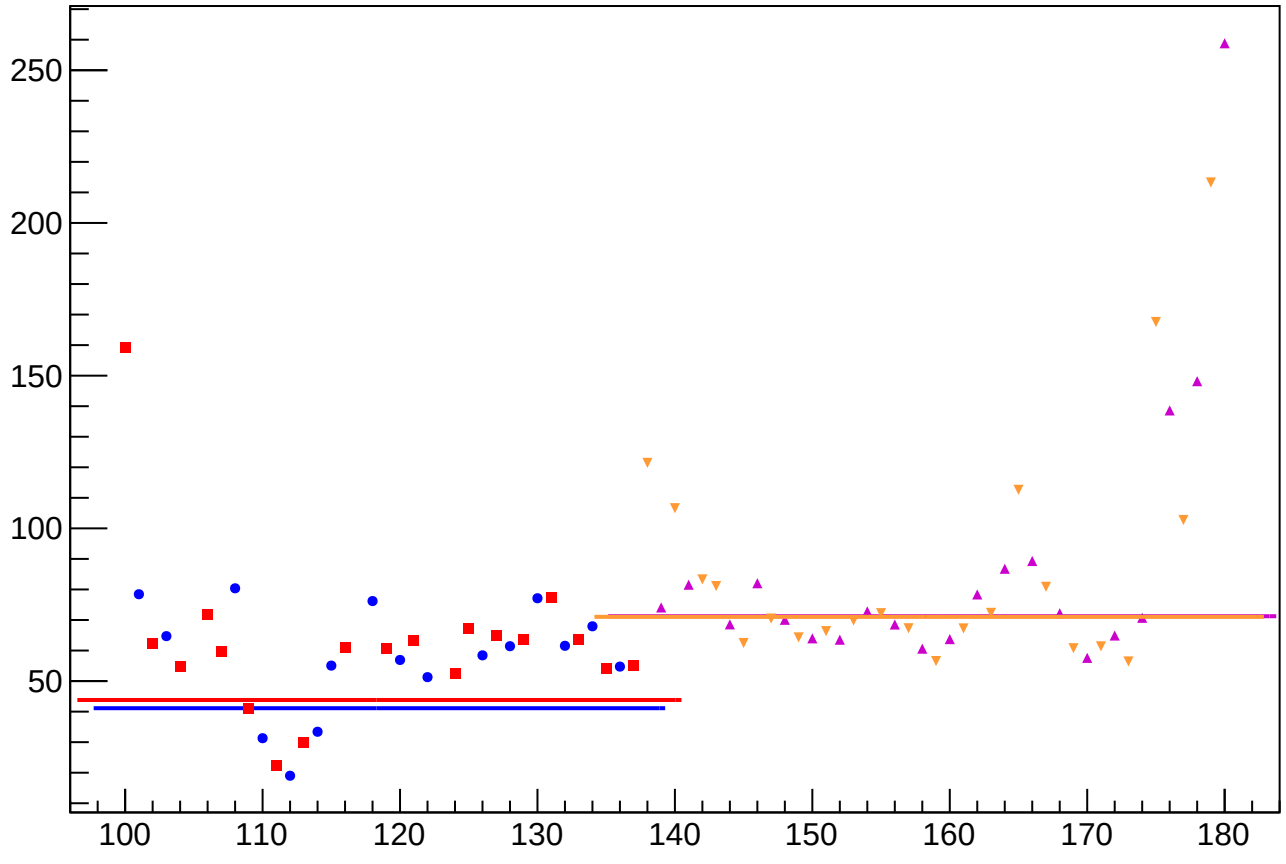
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.012+/-0.018 χ^2/NDF:22.2/20

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/37

All: 0.006+/-0.009 χ^2/NDF: 88.9/77

- 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: 71.038+/-0.013 χ^2/NDF:2266578.8/21

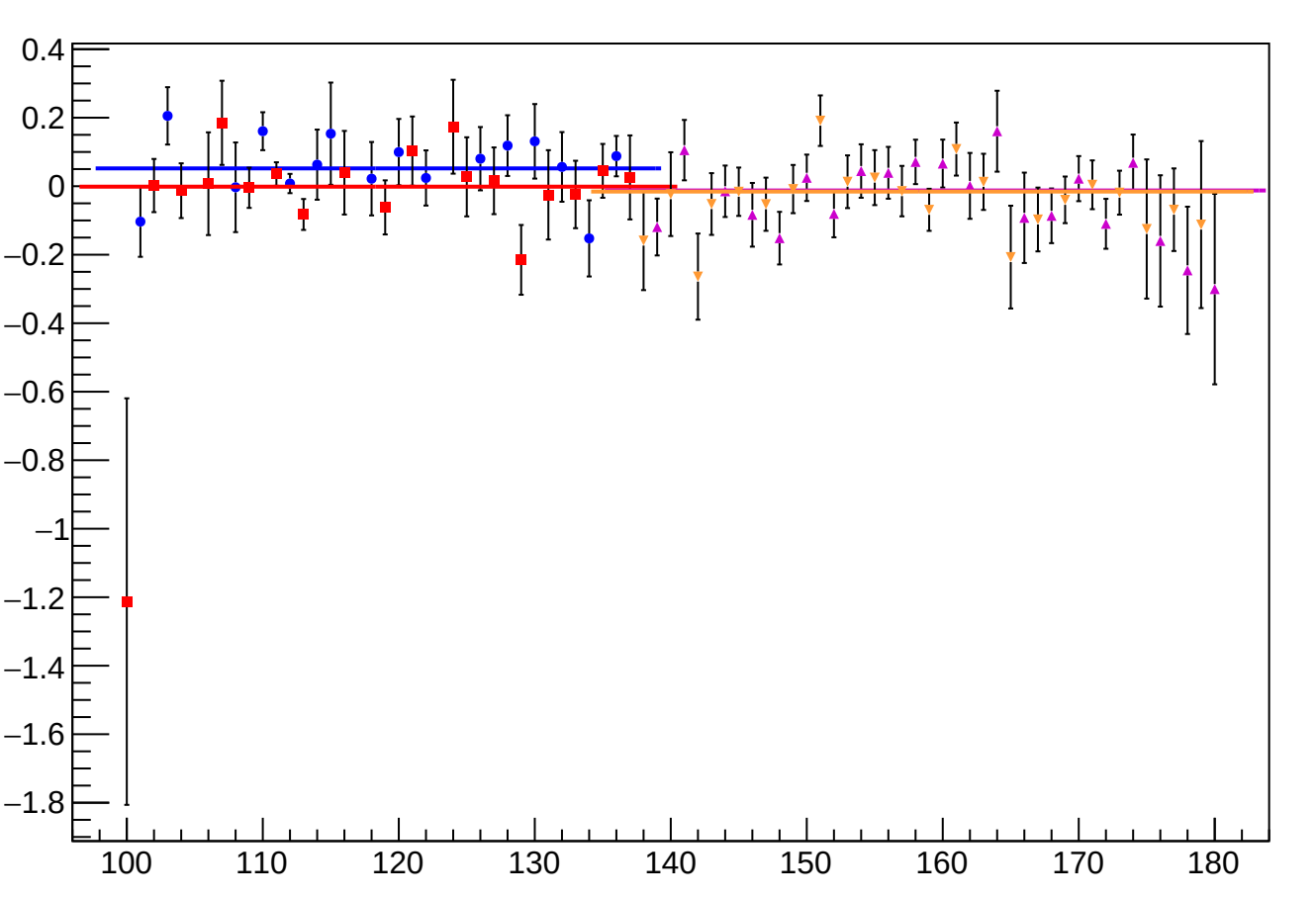
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 71.235+/-0.013 χ^2/NDF:1872061.2/20

+ sign 55.842+/-0.009 χ^2/NDF: 7981286.9/37

All: 56.524+/-0.006 χ^2/NDF: 14202103.8/77

- 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: -0.016+/-0.018 χ^2/NDF:20.2/21

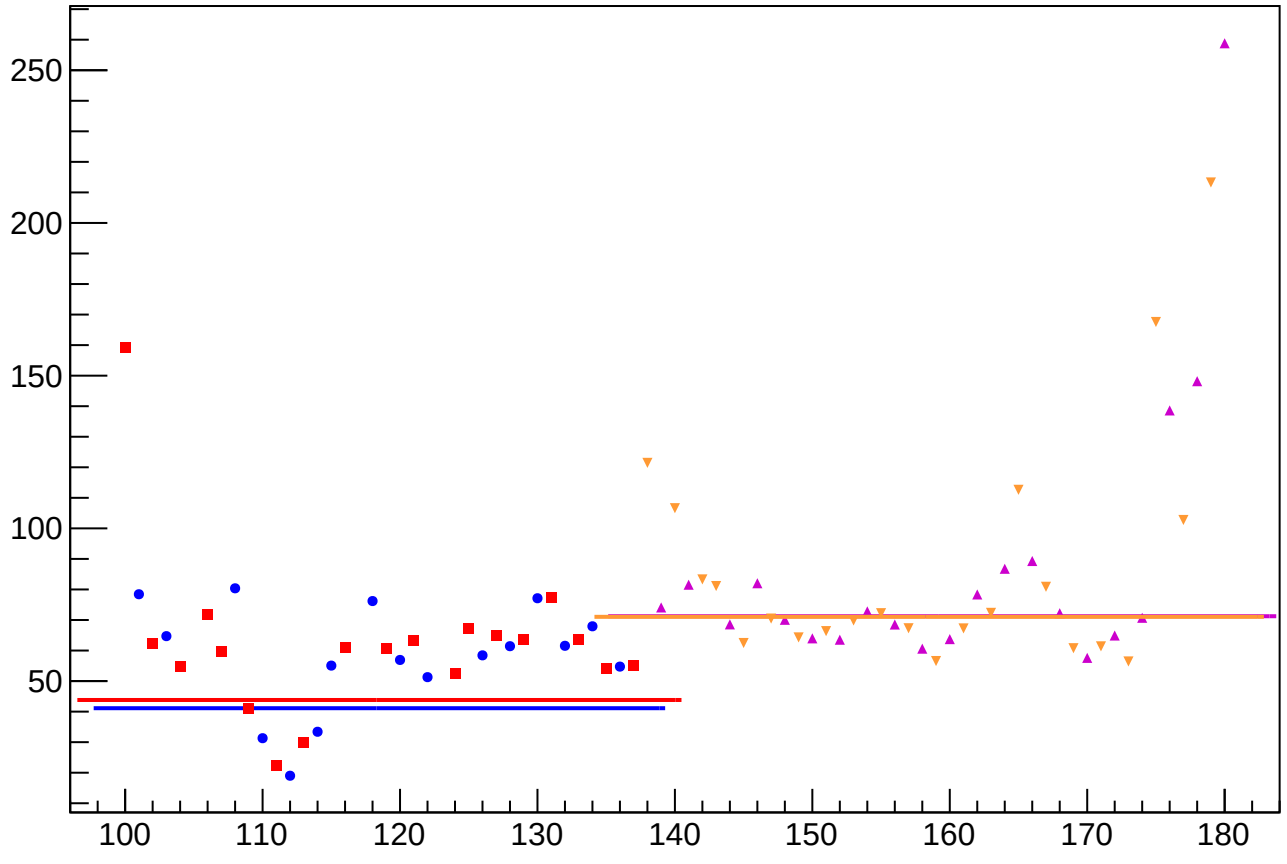
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.012+/-0.018 χ^2/NDF:22.2/20

+ sign 0.019+/-0.013 χ^2/NDF: 45.3/37

All: 0.006+/-0.009 χ^2/NDF: 88.9/77

- 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: 71.038+/-0.013 χ^2/NDF:2266578.8/21

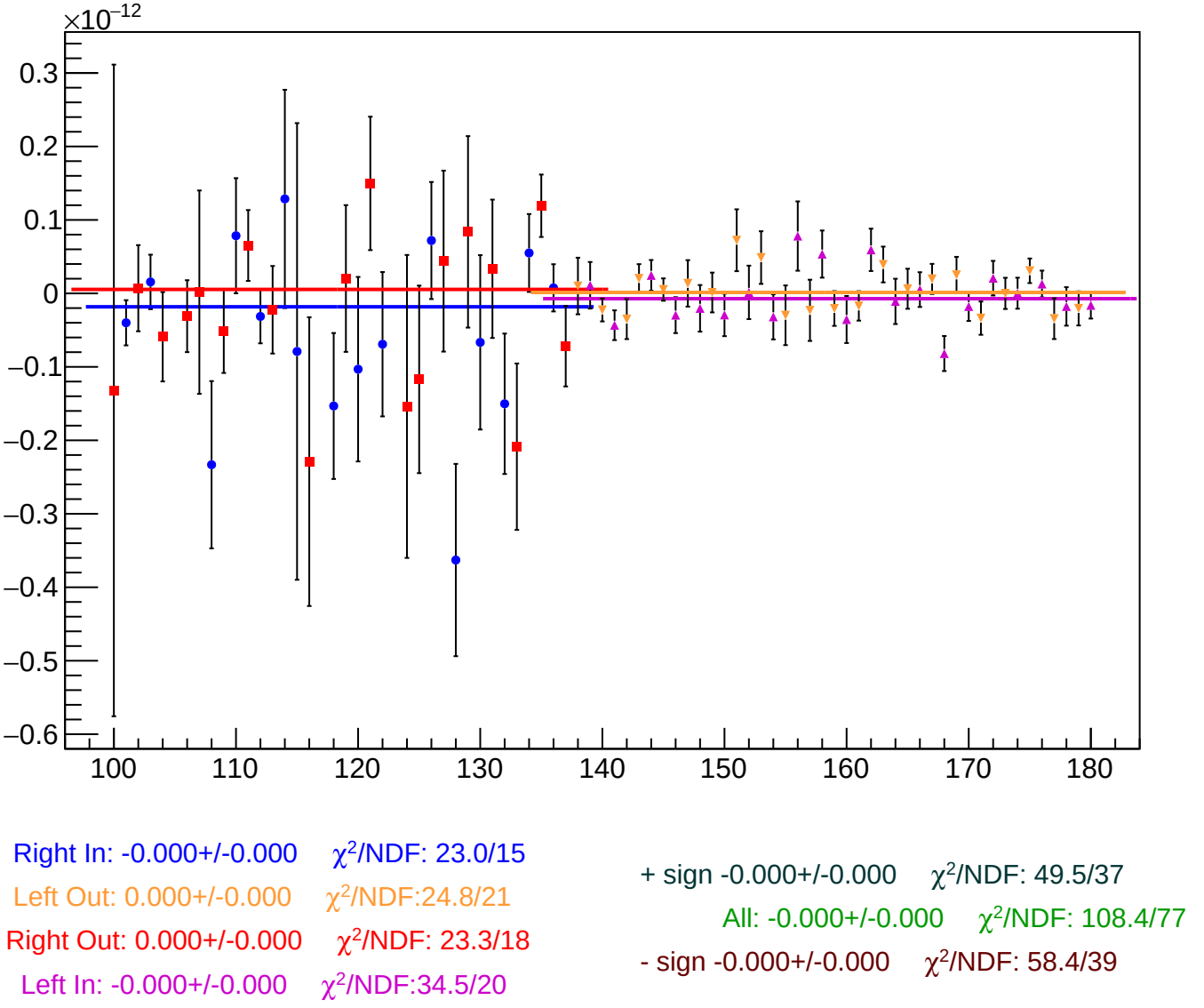
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

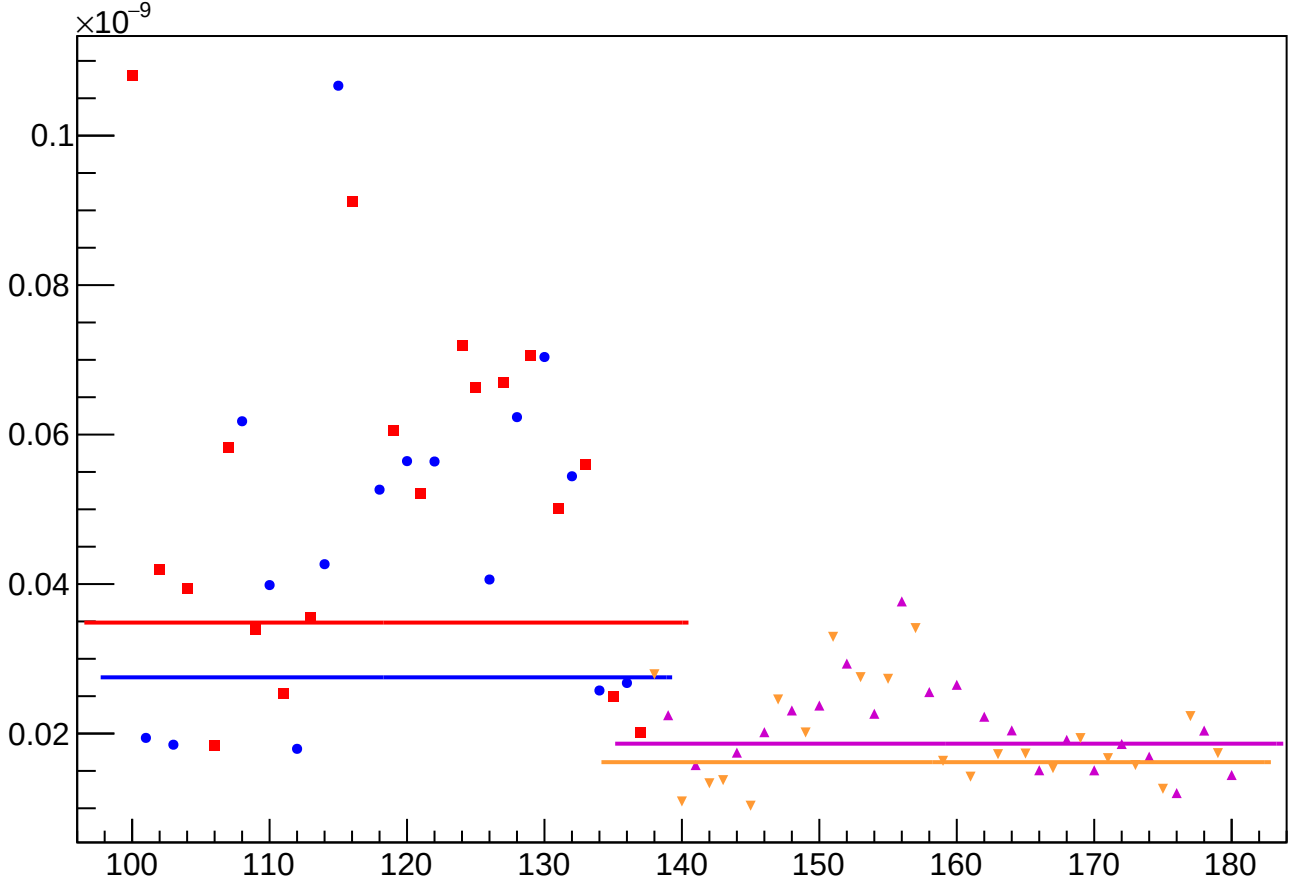
Left In: 71.235+/-0.013 χ^2/NDF:1872061.2/20

+ sign 55.842+/-0.009 χ^2/NDF: 7981286.9/37

All: 56.524+/-0.006 χ^2/NDF: 14202103.8/77

- sign 57.222+/-0.009 χ^2/NDF: 6209073.0/39


asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 23.0/15
Left Out: 0.000+/-0.000 χ²/NDF:24.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 23.3/18
Left In: -0.000+/-0.000 χ²/NDF:34.5/20
+ sign -0.000+/-0.000 χ²/NDF: 49.5/37
All: -0.000+/-0.000 χ²/NDF: 108.4/77
- sign -0.000+/-0.000 χ²/NDF: 58.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2243689.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

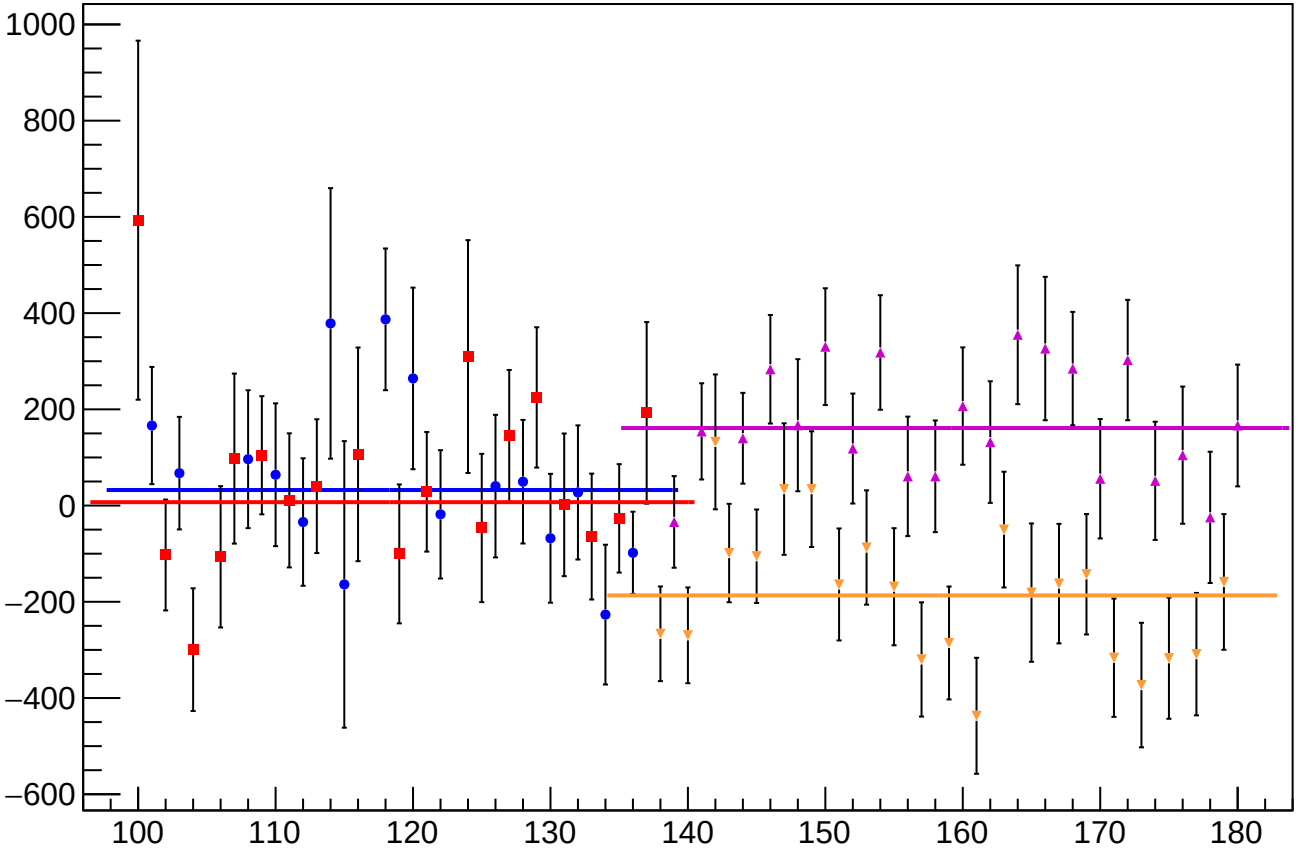
Left In: 0.000+/-0.000 χ^2/NDF:1473148.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 5151496.3/37

All: 0.000+/-0.000 χ^2/NDF: 10328906.1/77

- sign 0.000+/-0.000 χ^2/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: -186.753+/-25.389 χ^2/NDF:27.7/21

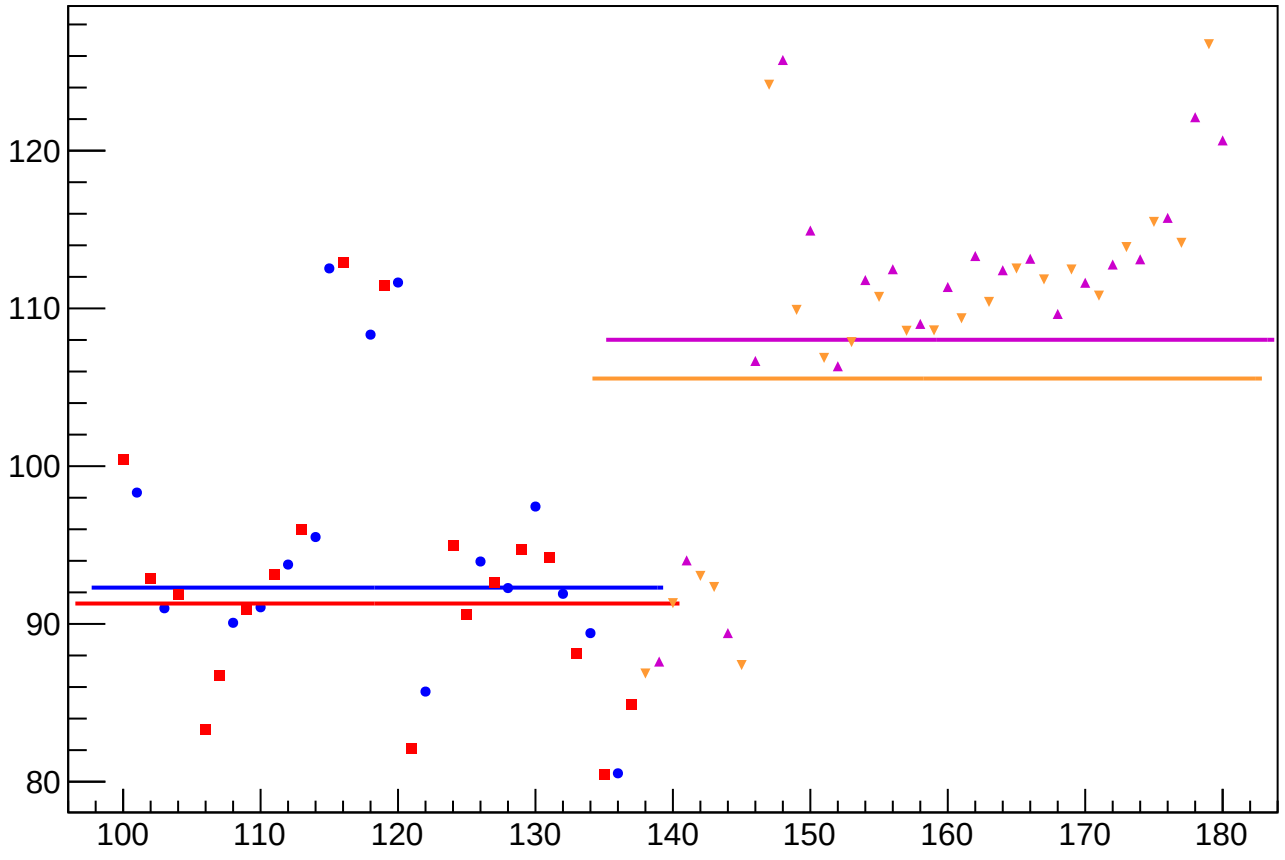
Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 161.179+/-26.139 χ^2/NDF:19.8/20

+ sign -109.591+/-20.434 χ^2/NDF: 71.2/37

All: -4.255+/-14.504 χ^2/NDF: 175.5/77

- sign 102.688+/-20.589 χ^2/NDF: 50.7/39



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 105.556+/-0.018 χ^2/NDF:379388.4/21

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

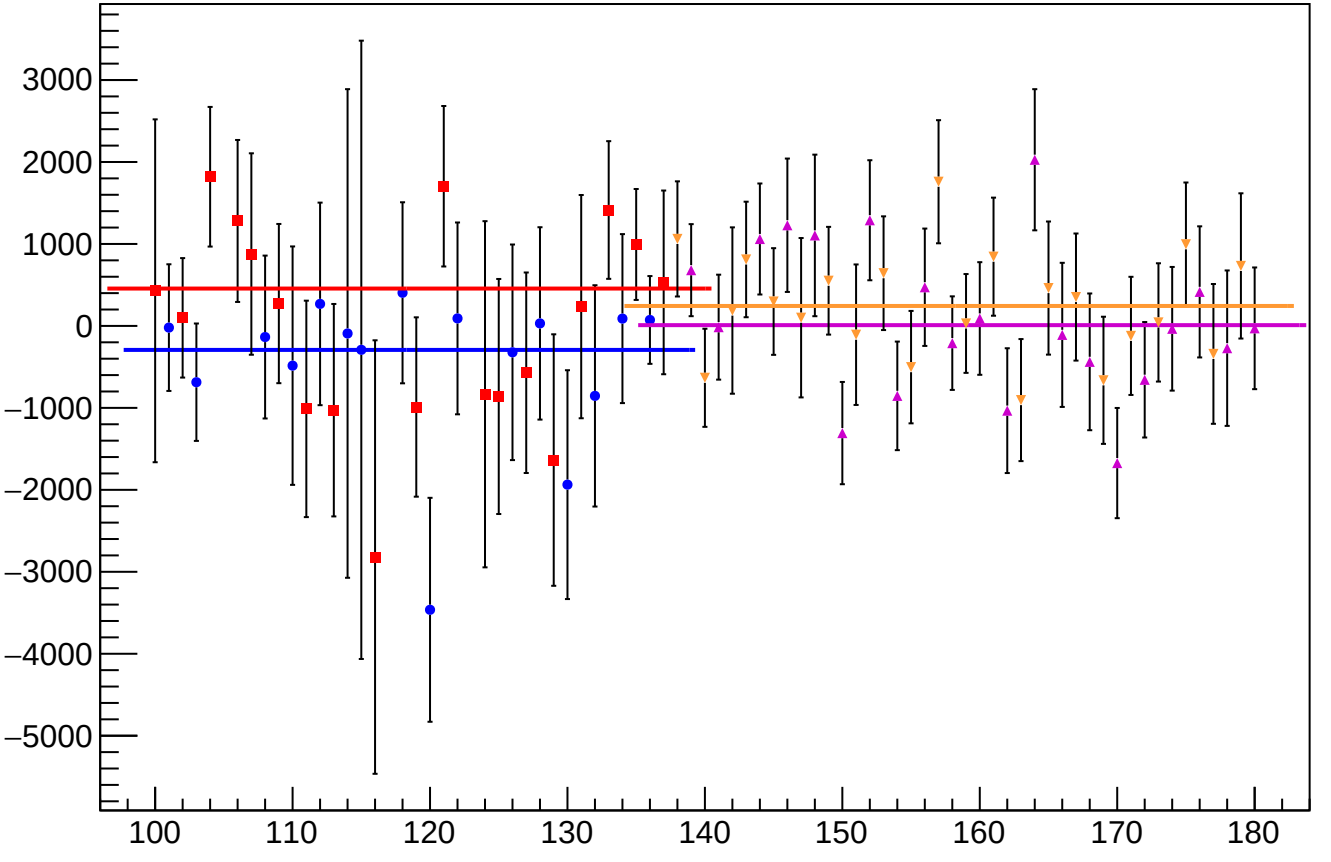
Left In: 108.012+/-0.018 χ^2/NDF:318784.7/20

+ sign 100.887+/-0.014 χ^2/NDF: 678426.7/37

All: 101.274+/-0.010 χ^2/NDF: 1414296.4/77

- sign 101.667+/-0.015 χ^2/NDF: 734425.4/39

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 243.427+/-157.229 χ^2/NDF:16.9/21

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

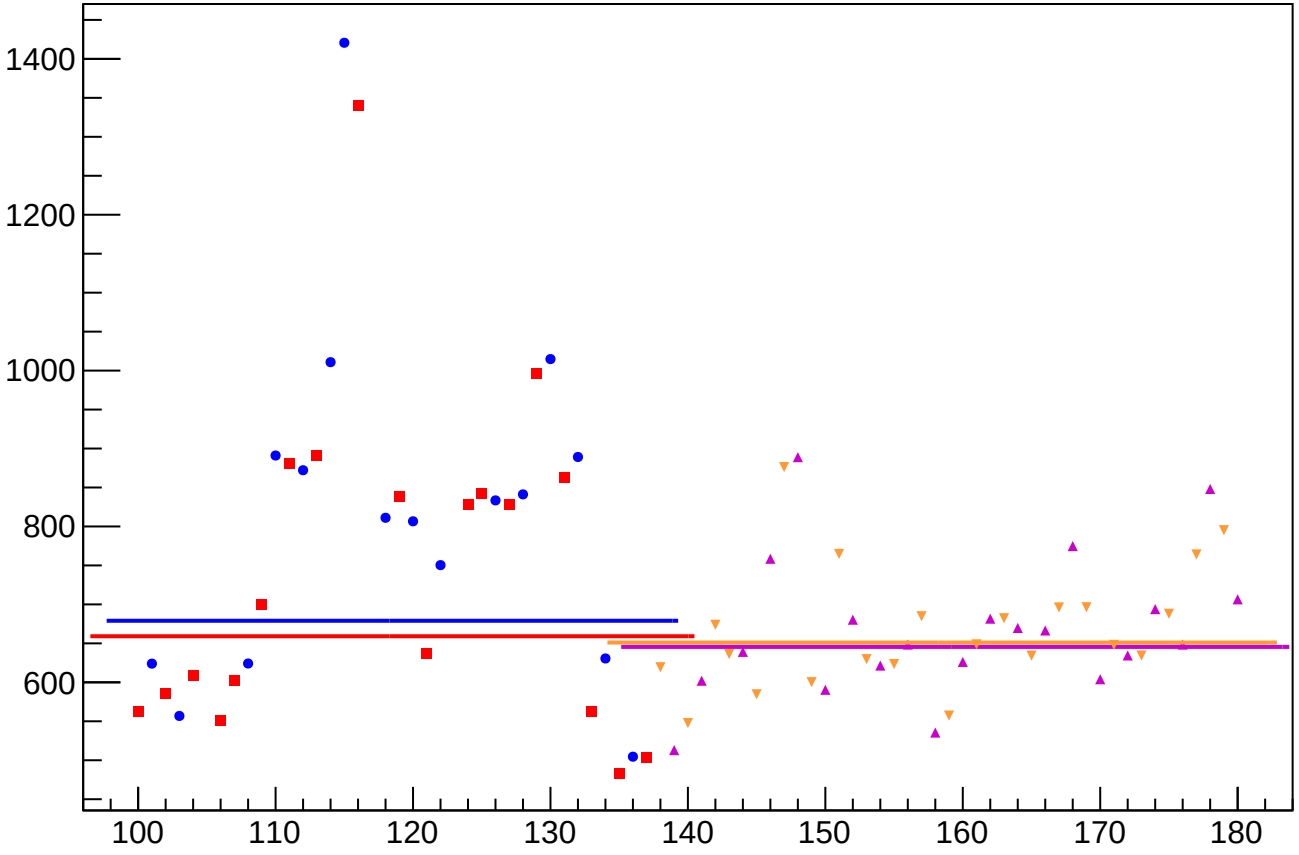
Left In: 9.354+/-157.210 χ^2/NDF:32.3/20

+ sign 99.604+/-134.498 χ^2/NDF: 28.9/37

All: 118.432+/-94.531 χ^2/NDF: 80.3/77

- 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: 651.054+/-0.111 χ^2/NDF:410129.7/21

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

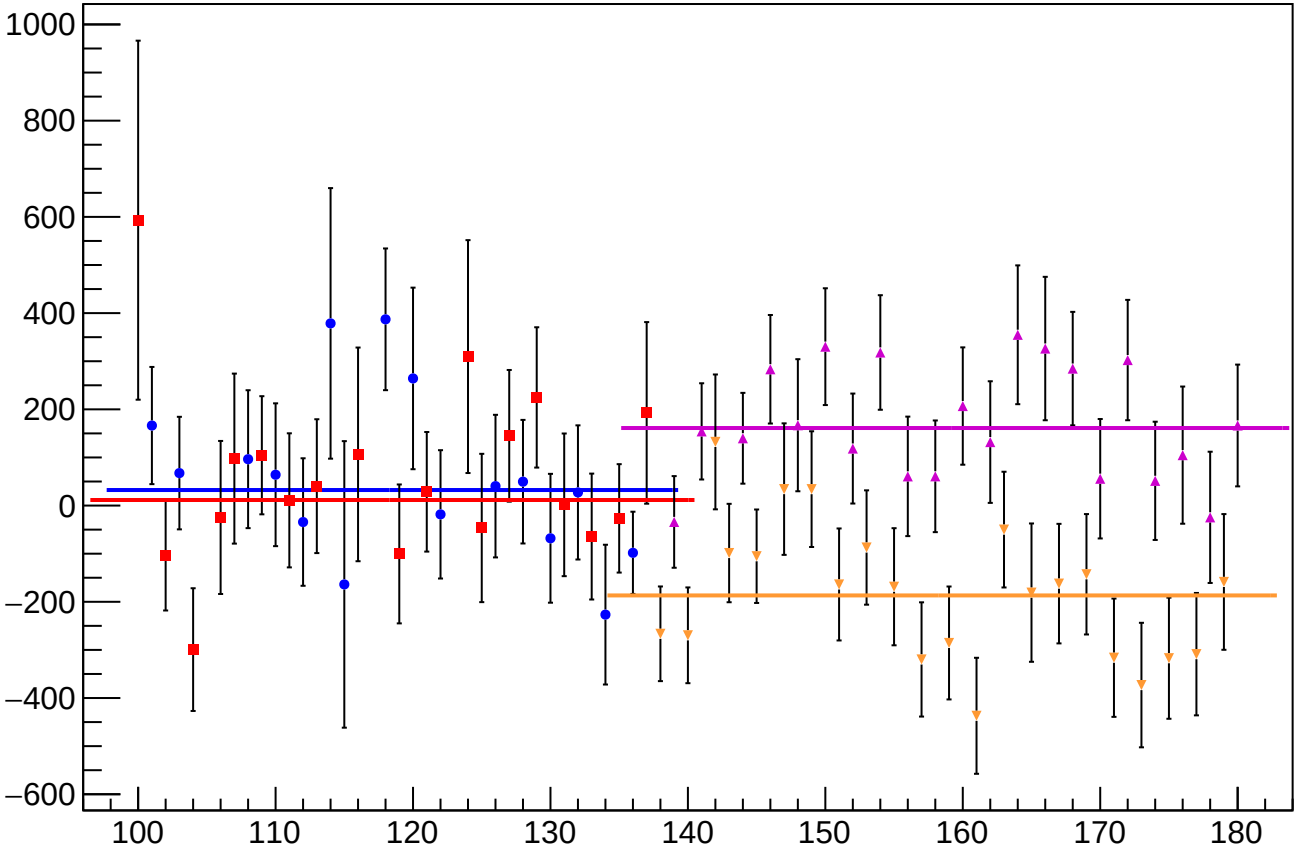
Left In: 645.433+/-0.111 χ^2/NDF:556482.4/20

+ sign 658.551+/-0.095 χ^2/NDF: 1195064.4/37

All: 653.892+/-0.067 χ^2/NDF: 2556503.5/77

- sign 649.344+/-0.094 χ^2/NDF: 1356696.4/39

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -186.753+/-25.389 χ^2/NDF:27.7/21

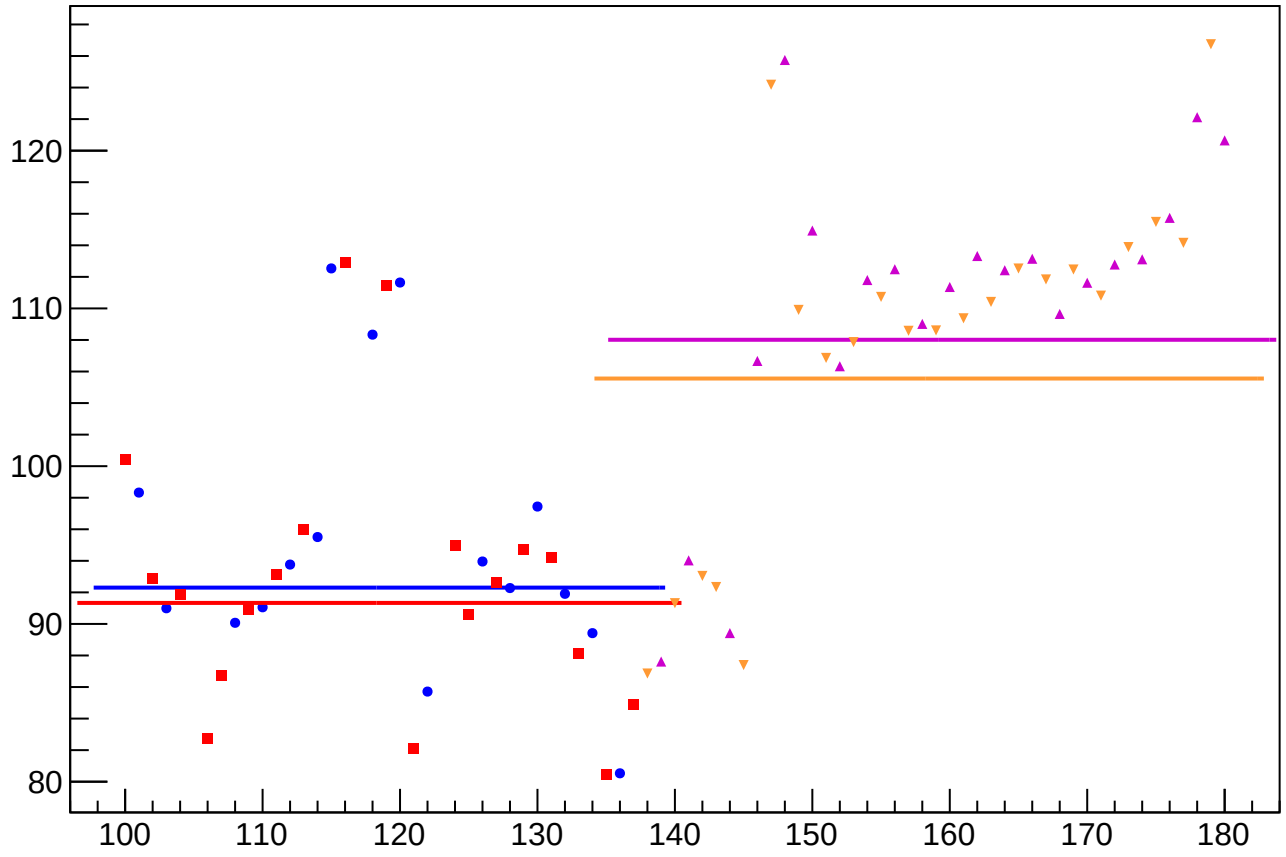
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 161.183+/-26.139 χ^2/NDF:19.8/20

+ sign -109.586+/-20.434 χ^2/NDF: 71.2/37

All: -3.424+/-14.514 χ^2/NDF: 175.0/77

- 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: 105.556+/-0.018 χ^2/NDF:379388.4/21

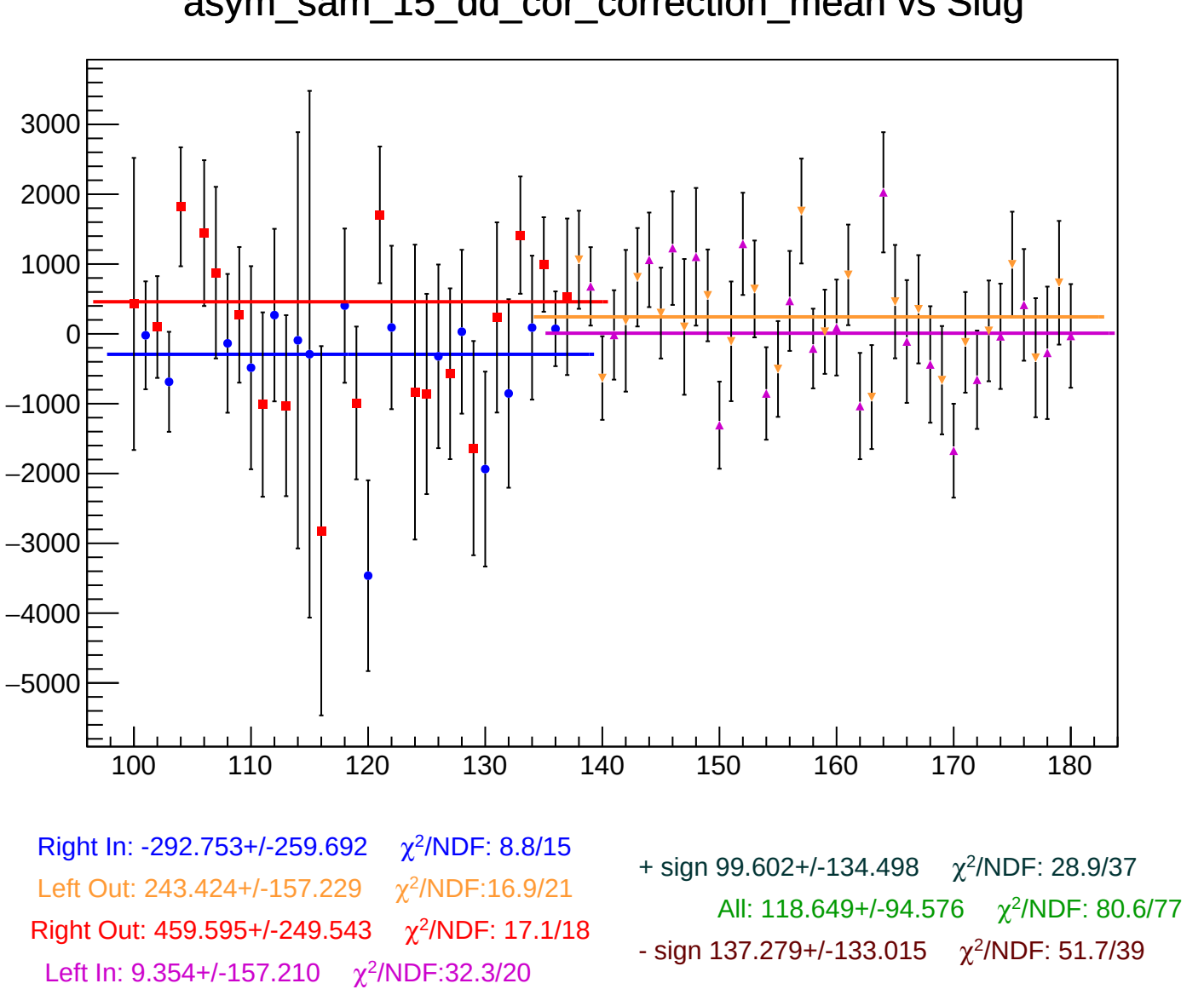
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.012+/-0.018 χ^2/NDF:318784.7/20

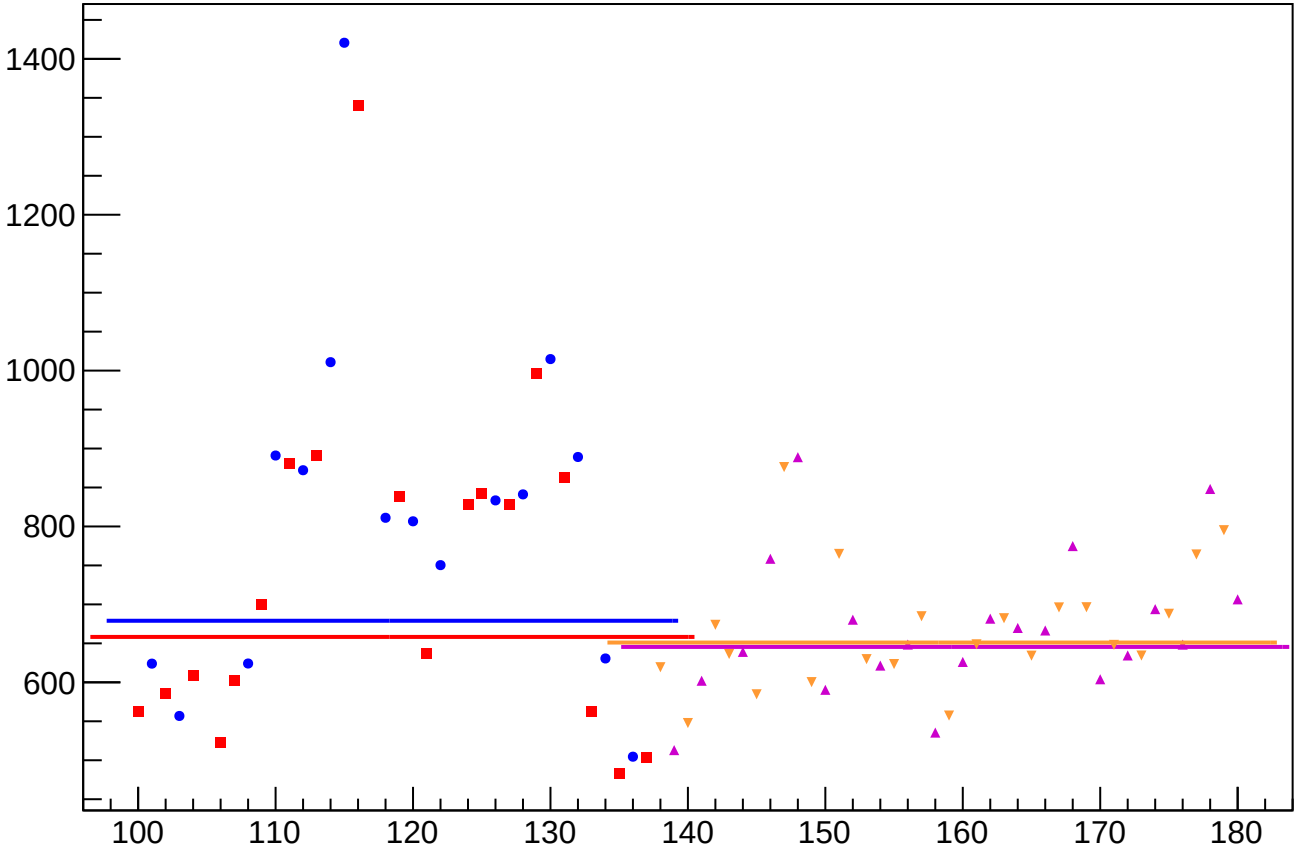
+ sign 100.887+/-0.014 χ^2/NDF: 678426.6/37

All: 101.296+/-0.010 χ^2/NDF: 1411391.5/77

- 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: 243.424+/-157.229 χ²/NDF:16.9/21
Right Out: 459.595+/-249.543 χ²/NDF: 17.1/18
Left In: 9.354+/-157.210 χ²/NDF:32.3/20
+ sign 99.602+/-134.498 χ²/NDF: 28.9/37
All: 118.649+/-94.576 χ²/NDF: 80.6/77
- 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: 651.055+/-0.111 χ^2/NDF:410130.4/21

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

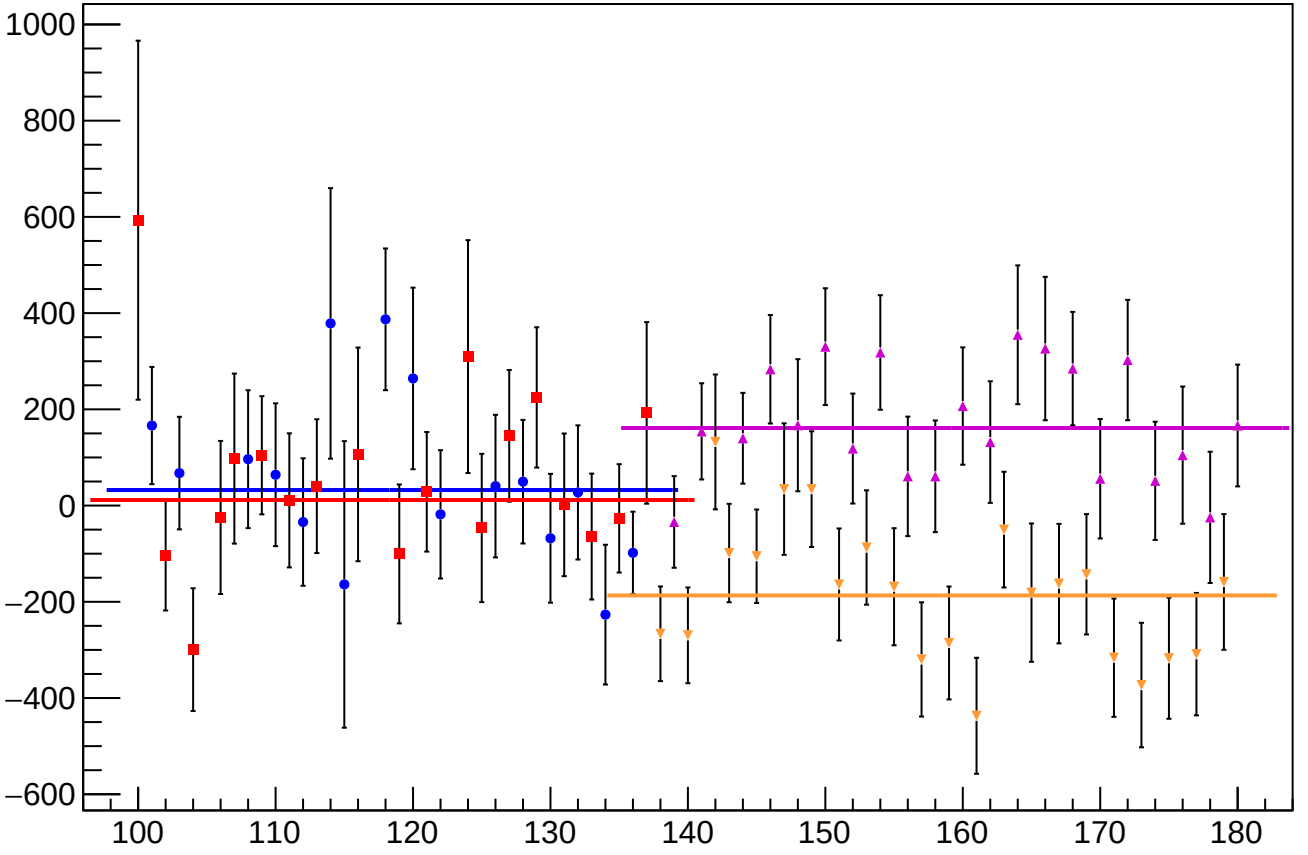
Left In: 645.433+/-0.111 χ^2/NDF:556483.5/20

+ sign 658.551+/-0.095 χ^2/NDF: 1195066.6/37

All: 653.762+/-0.067 χ^2/NDF: 2566248.5/77

- 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: -186.753+/-25.389 χ^2/NDF:27.7/21

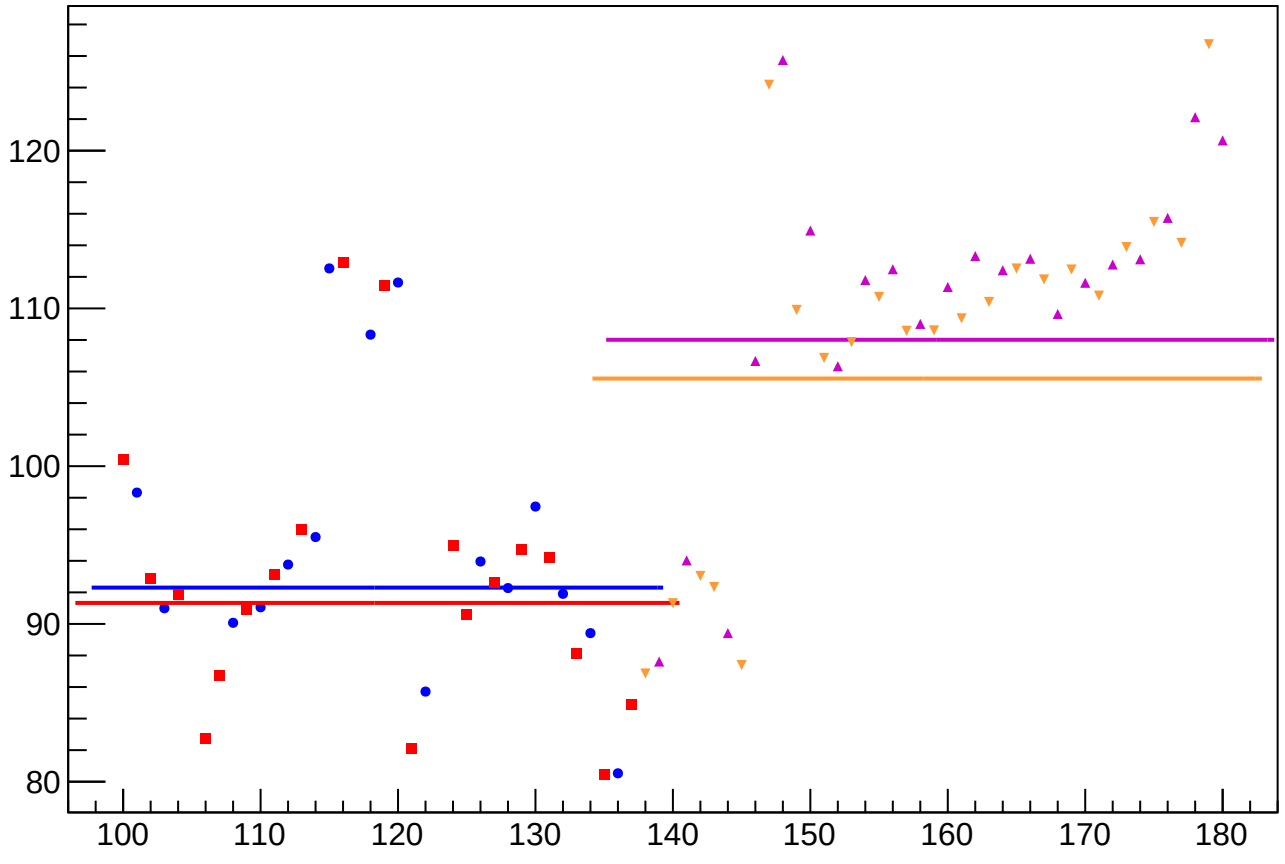
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 161.183+/-26.139 χ^2/NDF:19.8/20

+ sign -109.586+/-20.434 χ^2/NDF: 71.2/37

All: -3.424+/-14.514 χ^2/NDF: 175.0/77

- 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: 105.556+/-0.018 χ^2/NDF:379388.4/21

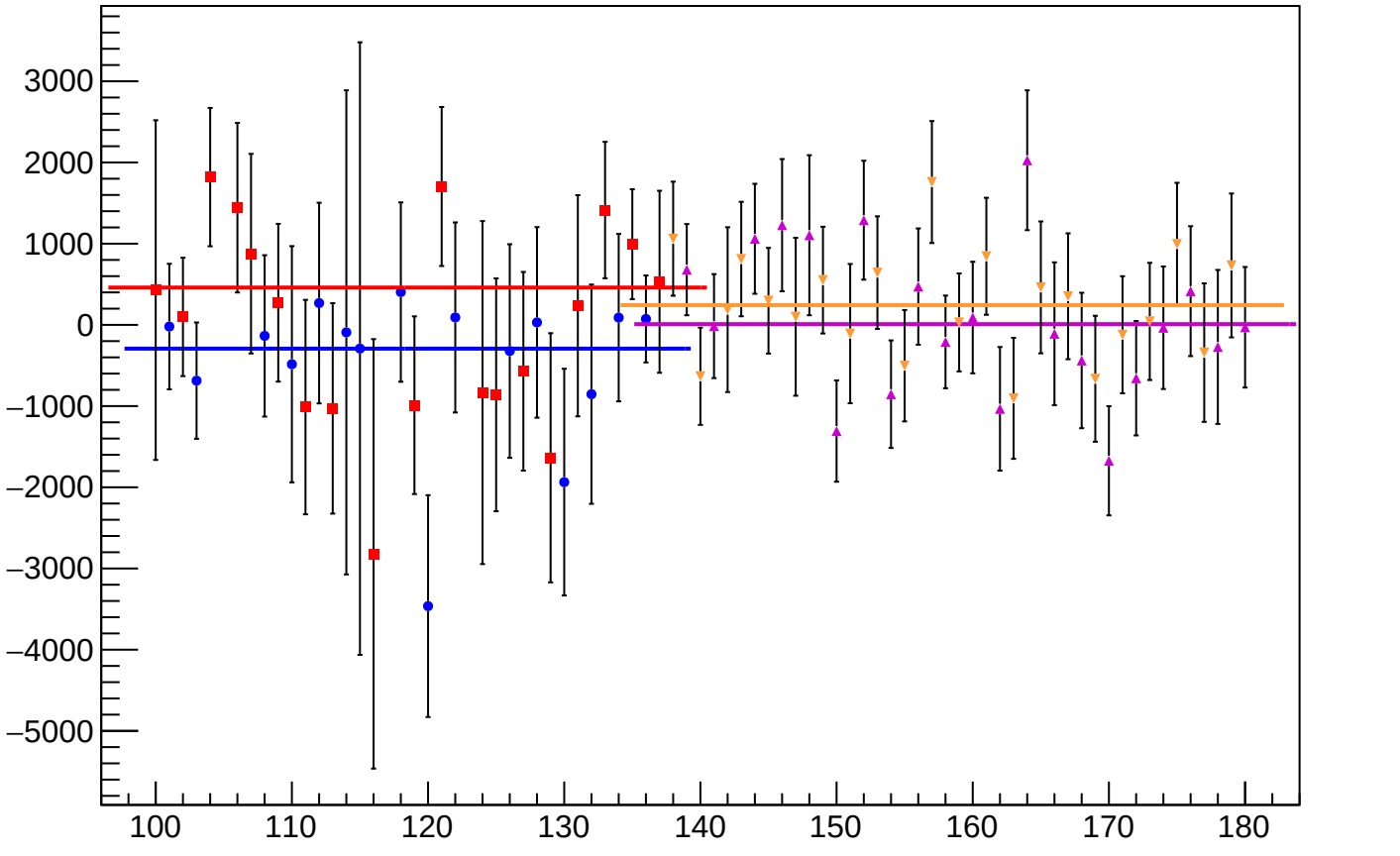
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.012+/-0.018 χ^2/NDF:318784.7/20

+ sign 100.887+/-0.014 χ^2/NDF: 678426.6/37

All: 101.296+/-0.010 χ^2/NDF: 1411391.5/77

- 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: 243.424+/-157.229 χ^2/NDF:16.9/21

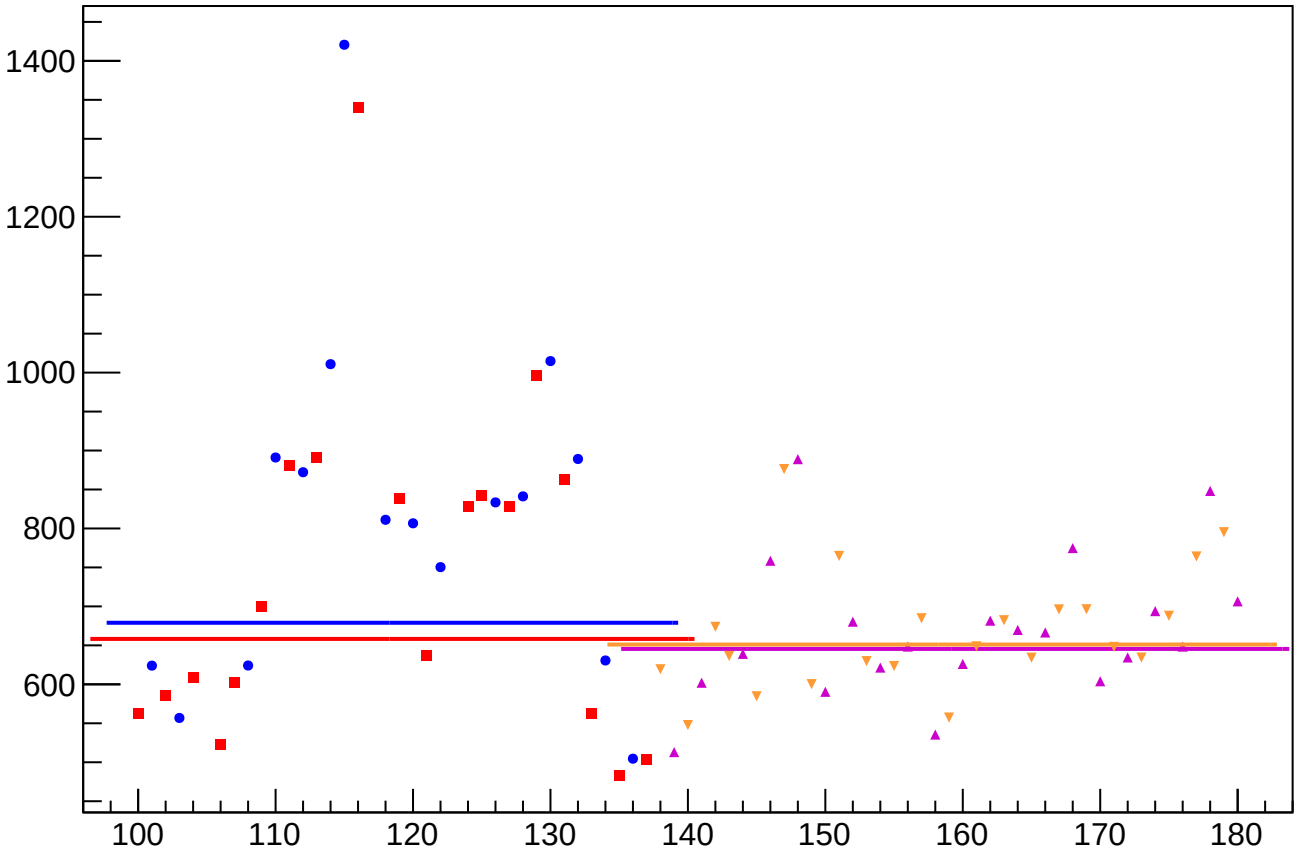
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 9.354+/-157.210 χ^2/NDF:32.3/20

\+ sign 99.602+/-134.498 χ^2/NDF: 28.9/37

All: 118.649+/-94.576 χ^2/NDF: 80.6/77

\- 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: 651.055+/-0.111 χ^2/NDF:410130.4/21

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

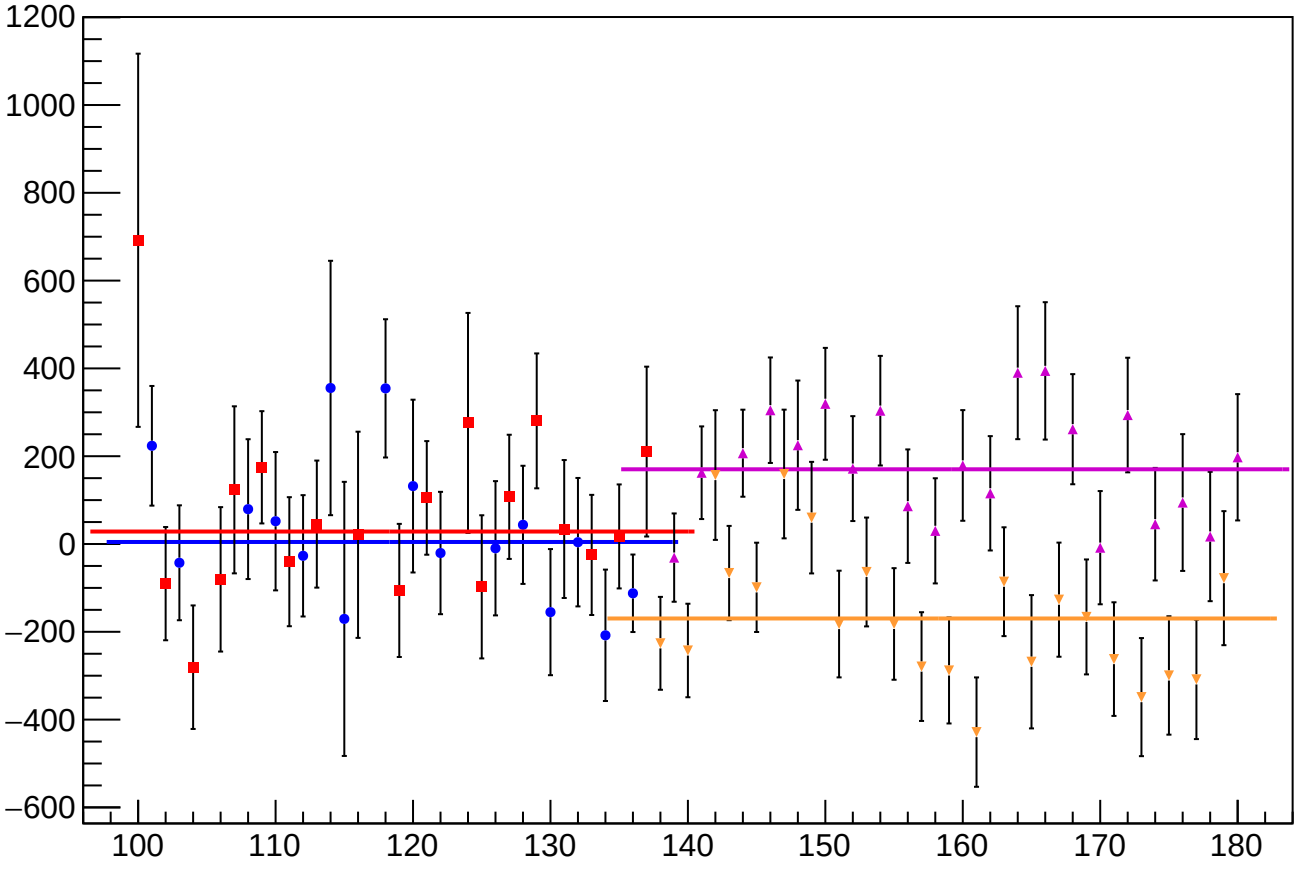
Left In: 645.433+/-0.111 χ^2/NDF:556483.5/20

+ sign 658.551+/-0.095 χ^2/NDF: 1195066.6/37

All: 653.762+/-0.067 χ^2/NDF: 2566248.5/77

- 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: -169.663+/-26.717 χ^2/NDF:27.8/21

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

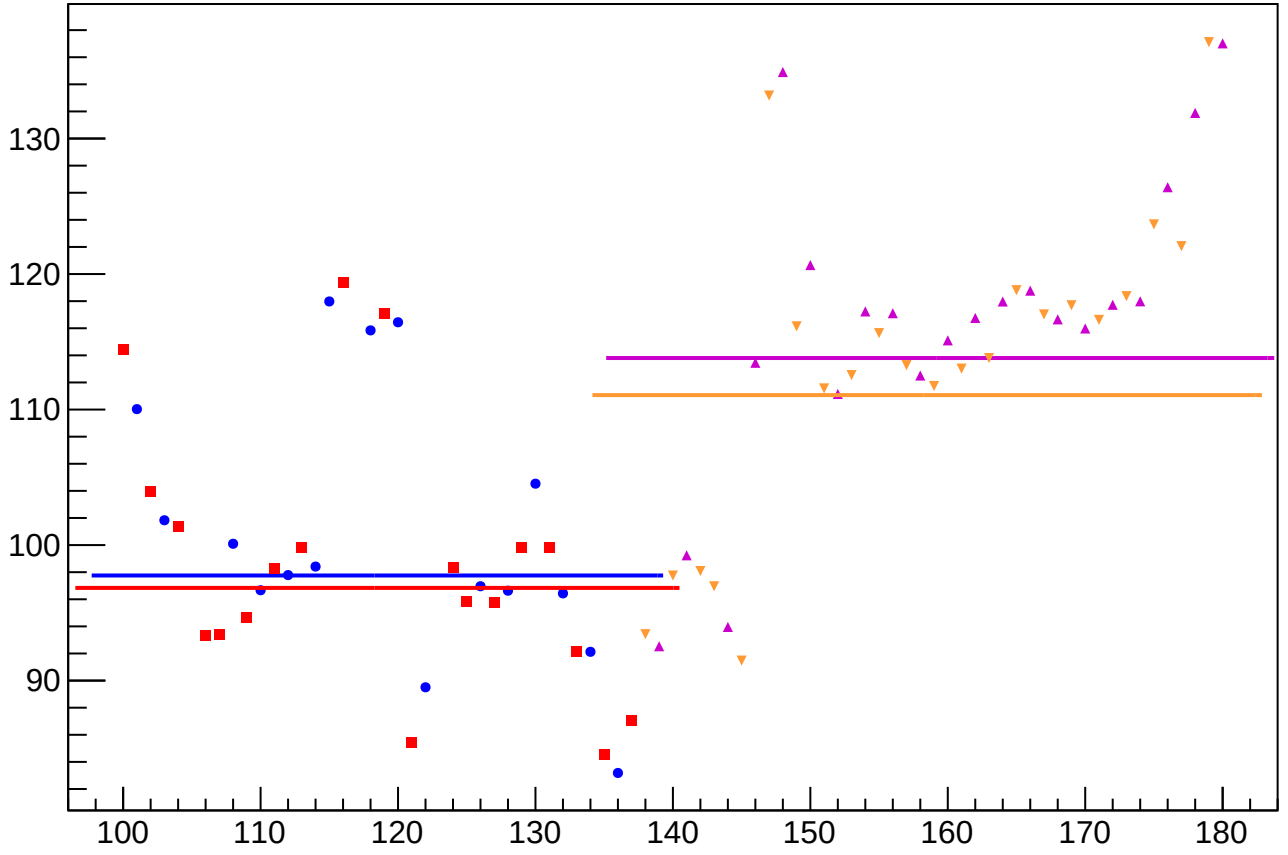
Left In: 170.192+/-27.564 χ^2/NDF:19.8/20

+ sign -108.882+/-21.561 χ^2/NDF: 58.0/37

All: 2.900+/-15.317 χ^2/NDF: 159.1/77

- 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: 111.068+/-0.019 χ^2/NDF:377627.2/21

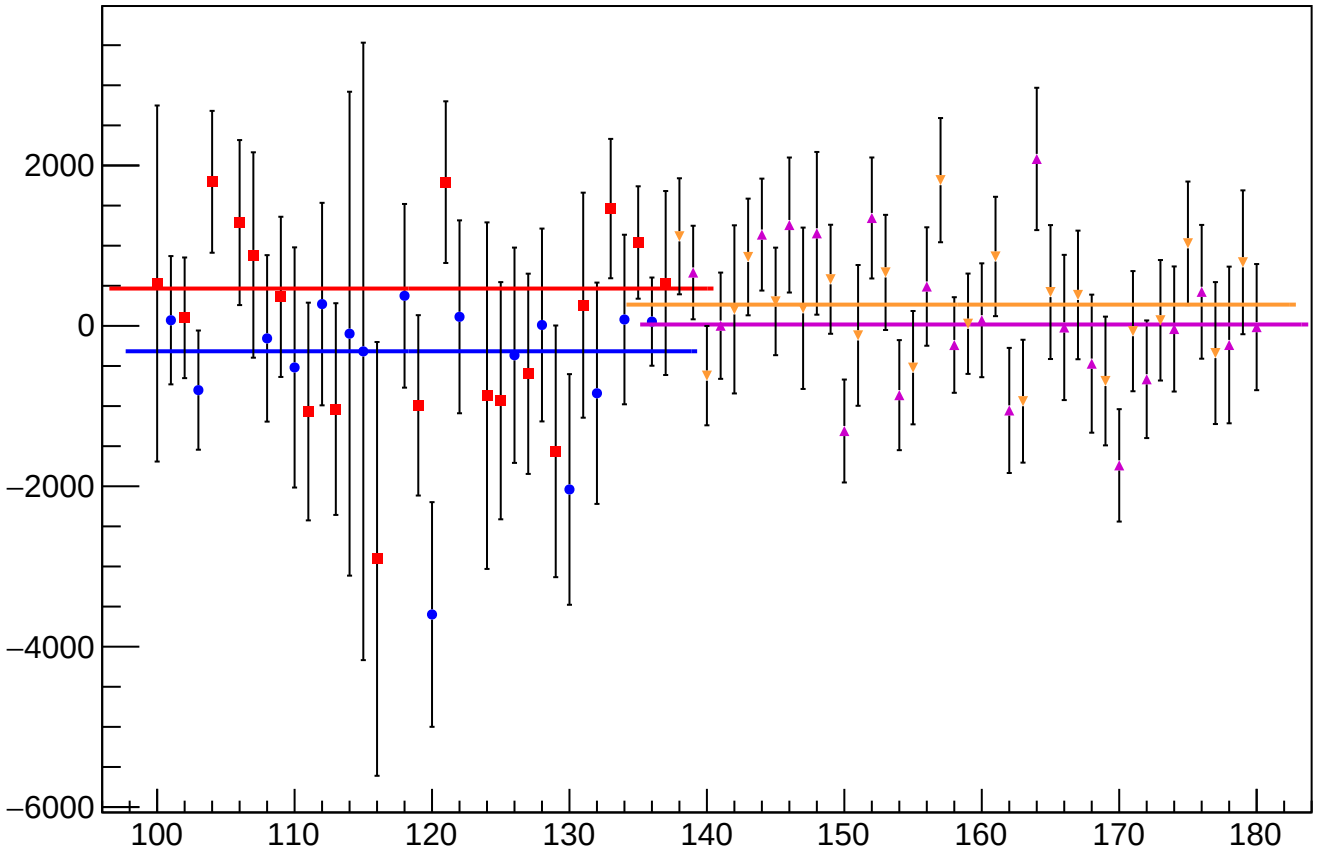
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 113.803+/-0.019 χ^2/NDF:364173.1/20

+ sign 106.425+/-0.015 χ^2/NDF: 691446.5/37

All: 106.915+/-0.011 χ^2/NDF: 1458136.3/77

- sign 107.415+/-0.015 χ^2/NDF: 764602.8/39



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 265.284+/-162.289 χ^2/NDF:16.9/21

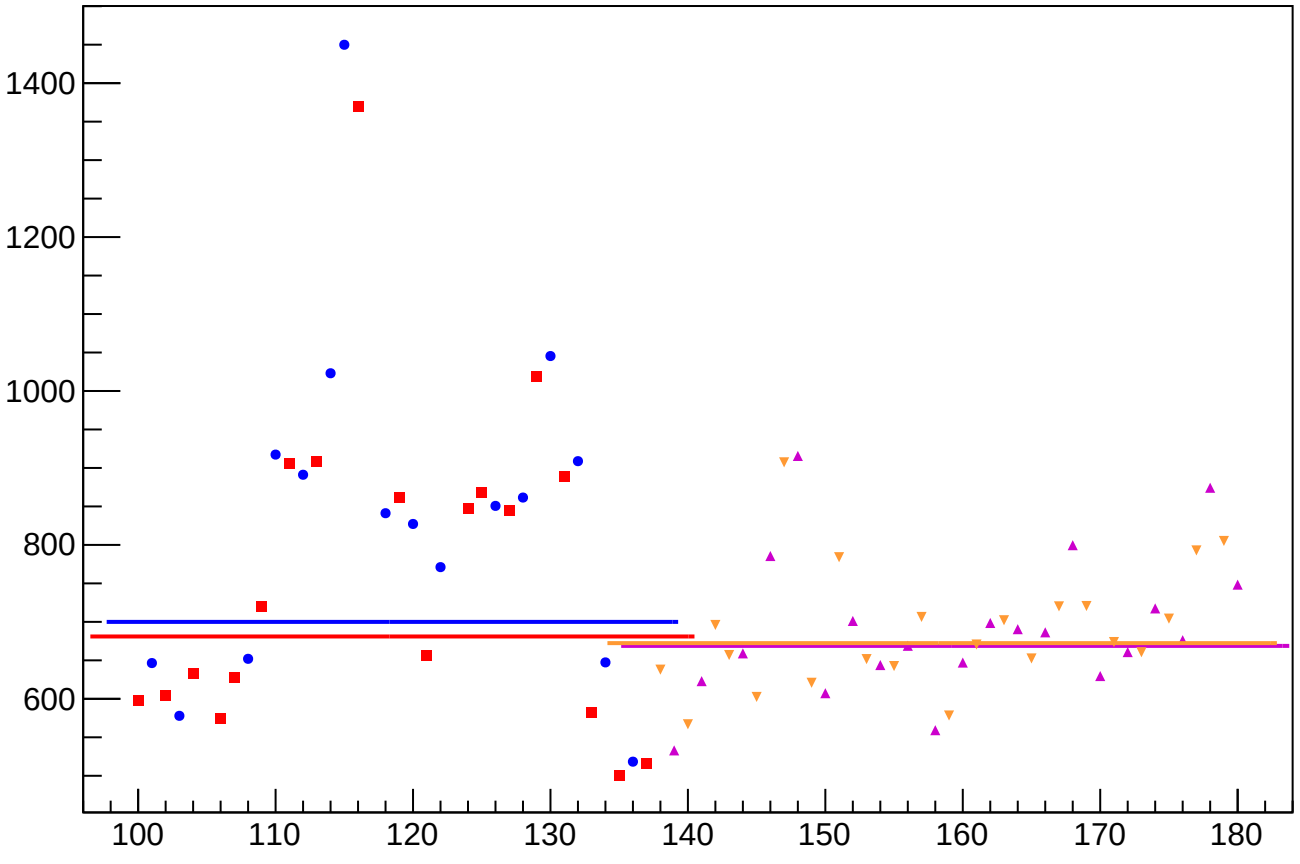
Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: 17.370+/-162.824 χ^2/NDF:32.0/20

\+ sign 108.752+/-138.753 χ^2/NDF: 29.5/37

All: 127.547+/-97.663 χ^2/NDF: 80.1/77

\- sign 146.000+/-137.489 χ^2/NDF: 50.6/39



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 672.377+/-0.115 χ^2/NDF:396612.8/21

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

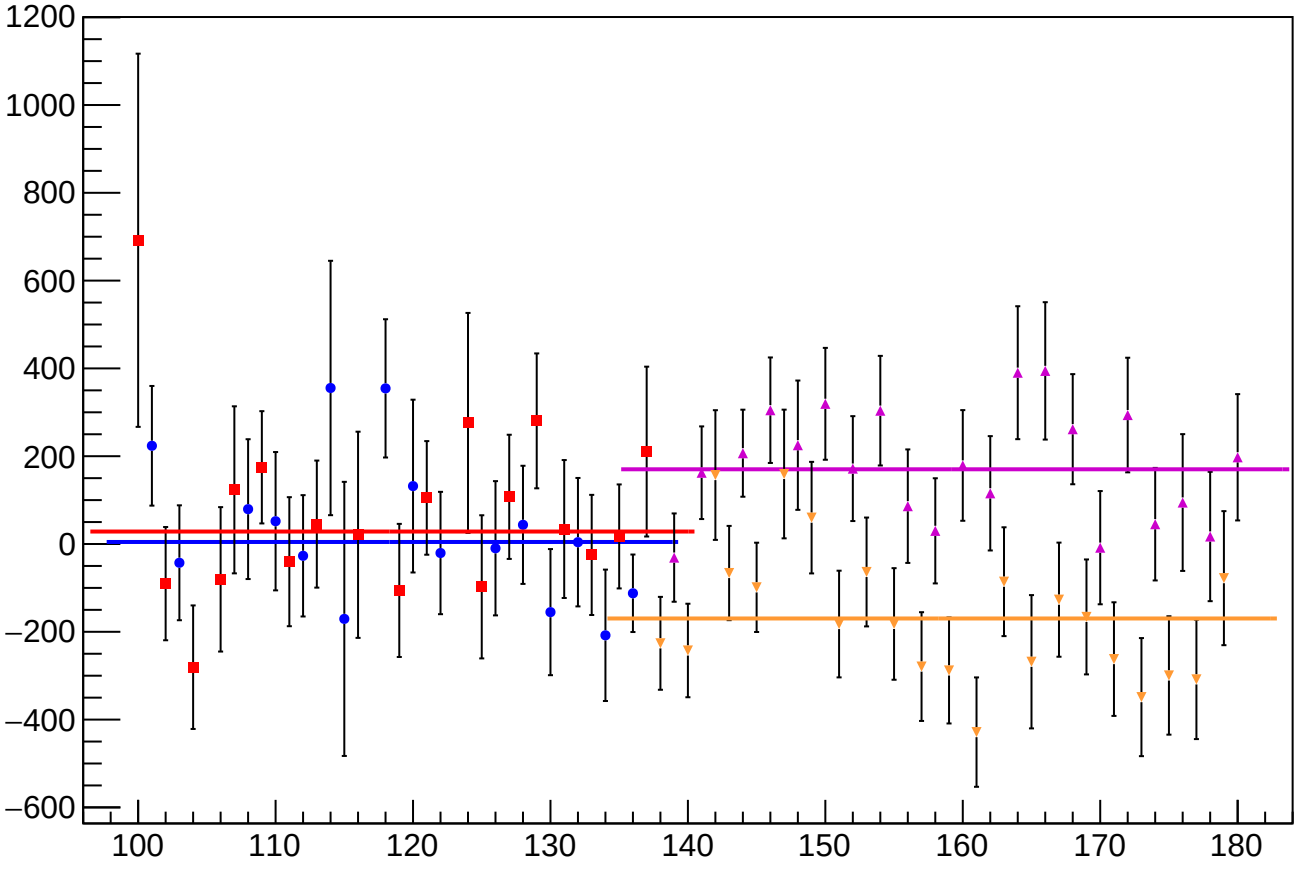
Left In: 668.782+/-0.115 χ^2/NDF:543827.0/20

\+ sign 679.801+/-0.098 χ^2/NDF: 1165835.6/37

All: 676.013+/-0.069 χ^2/NDF: 2485254.6/77

\- 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: -169.664+/-26.717 χ^2/NDF:27.8/21

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

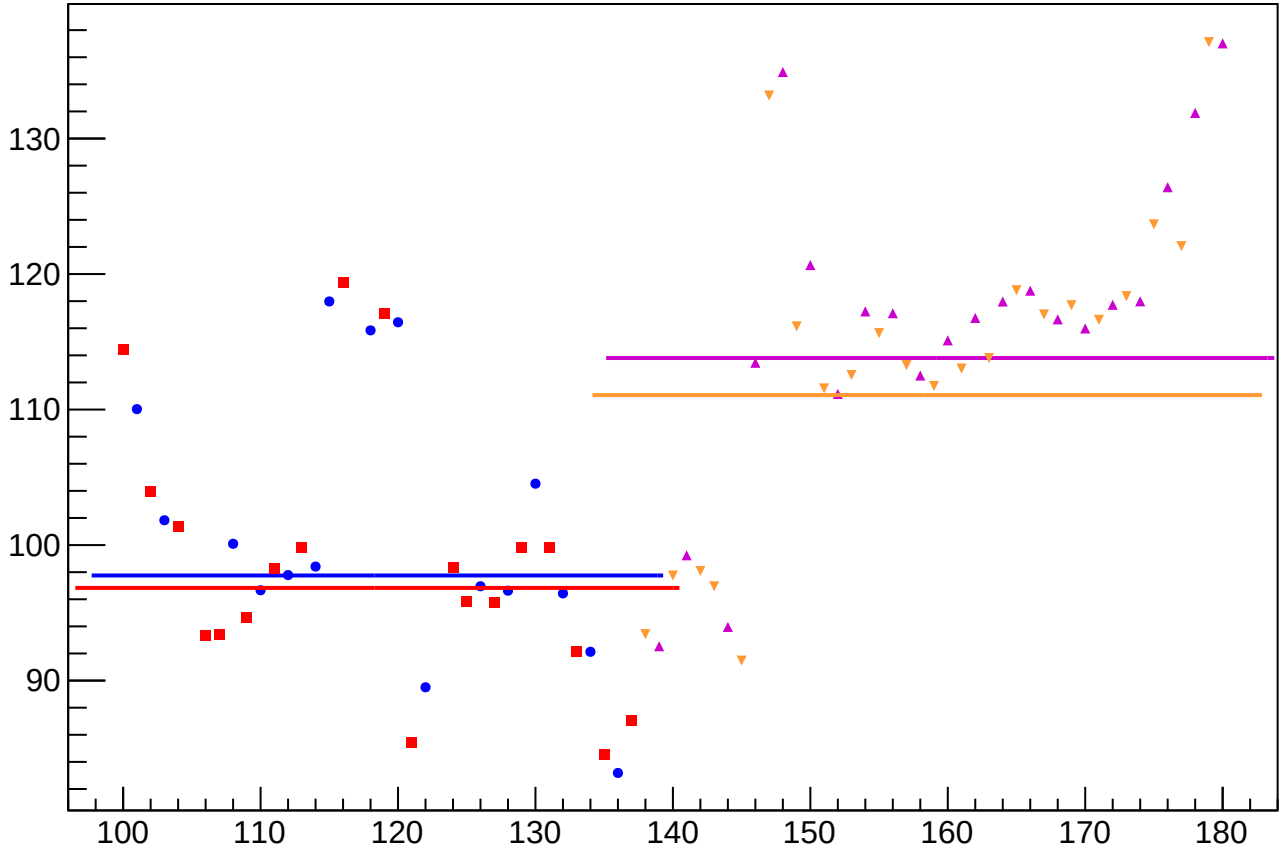
Left In: 170.192+/-27.564 χ^2/NDF:19.8/20

+ sign -108.881+/-21.560 χ^2/NDF: 58.0/37

All: 2.901+/-15.317 χ^2/NDF: 159.1/77

- 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: 111.068+/-0.019 χ^2/NDF:377623.6/21

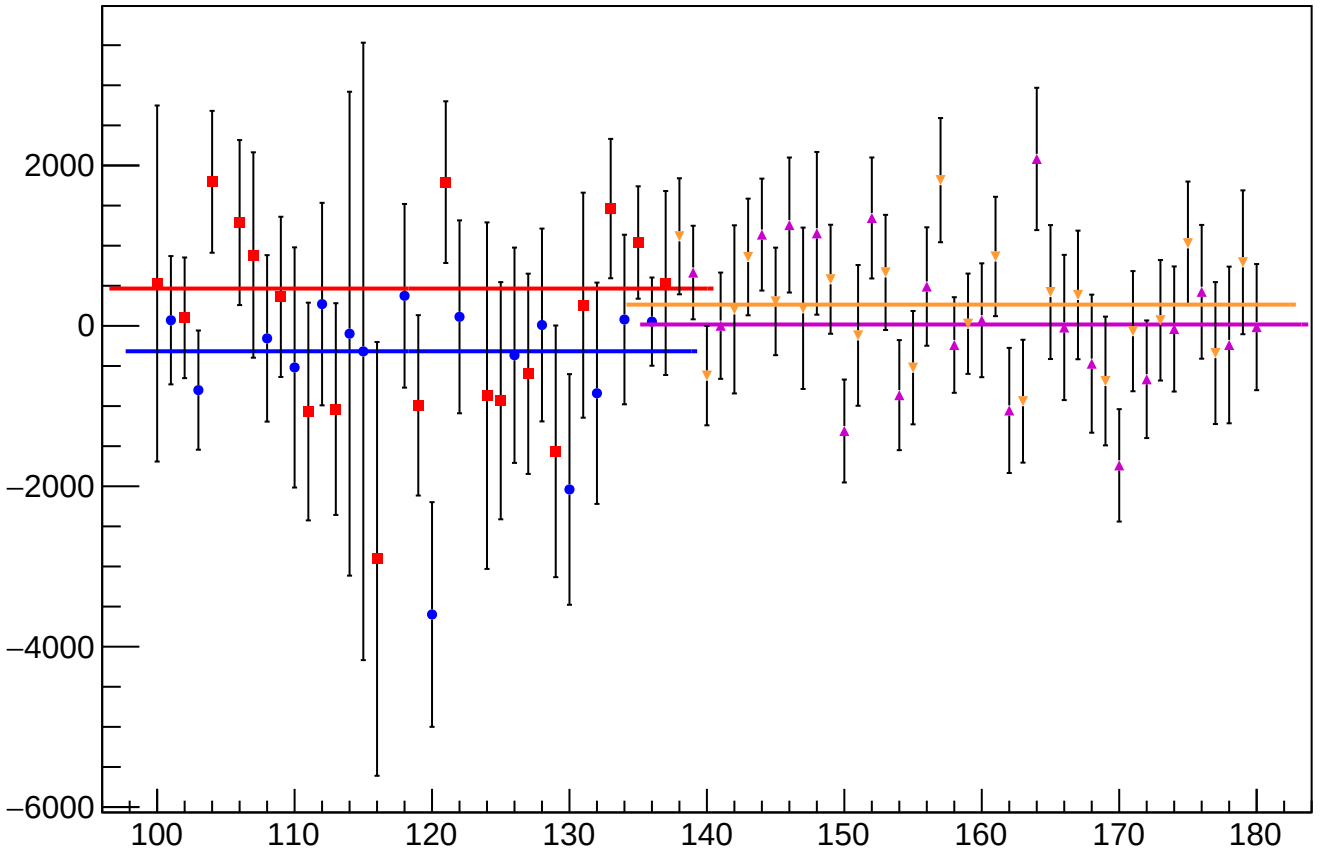
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 113.803+/-0.019 χ^2/NDF:364170.4/20

\+ sign 106.425+/-0.015 χ^2/NDF: 691452.3/37

All: 106.915+/-0.011 χ^2/NDF: 1458156.7/77

\- 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: 265.284+/-162.289 χ^2/NDF:16.9/21

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

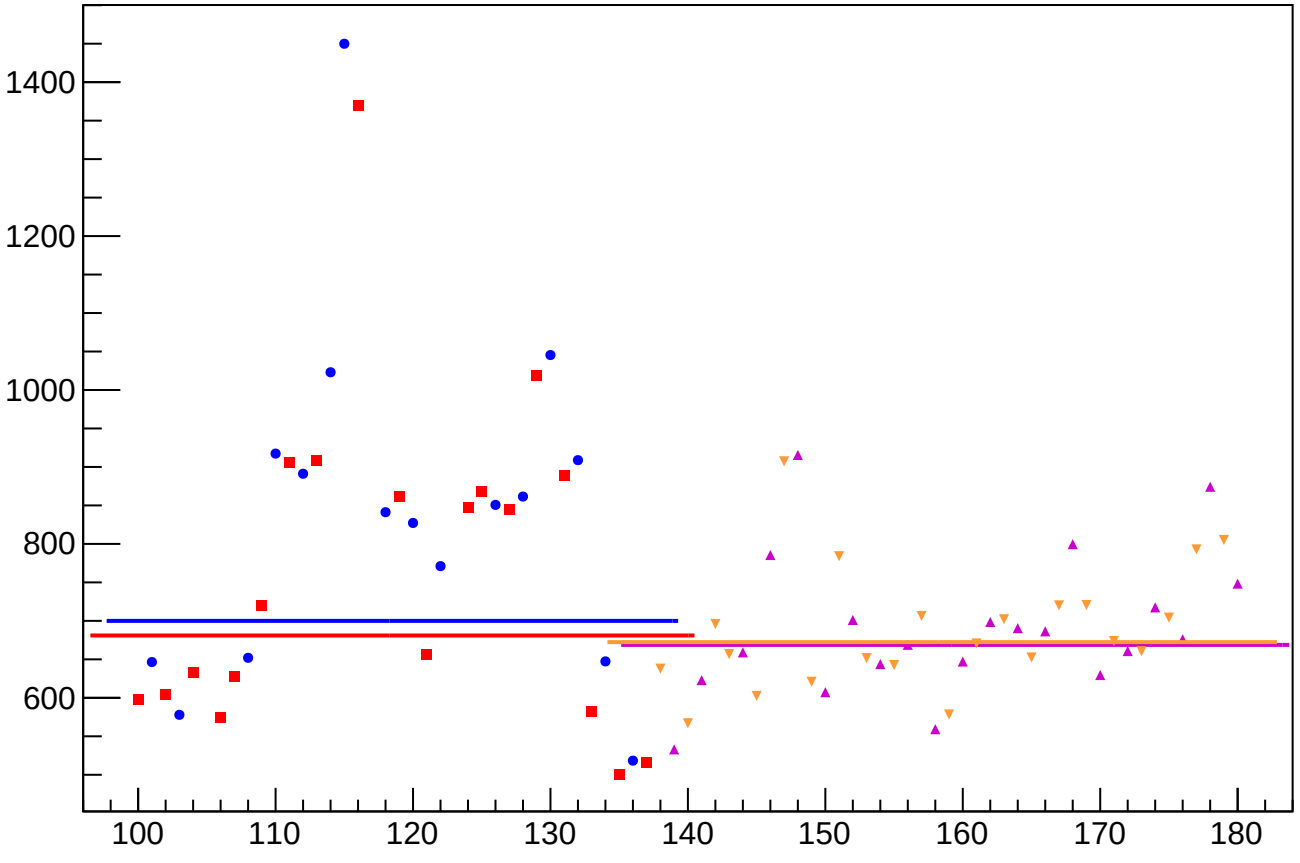
Left In: 17.371+/-162.824 χ^2/NDF:32.0/20

\+ sign 108.752+/-138.753 χ^2/NDF: 29.5/37

All: 127.547+/-97.663 χ^2/NDF: 80.1/77

\- 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: 672.377+/-0.115 χ^2/NDF:396612.8/21

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

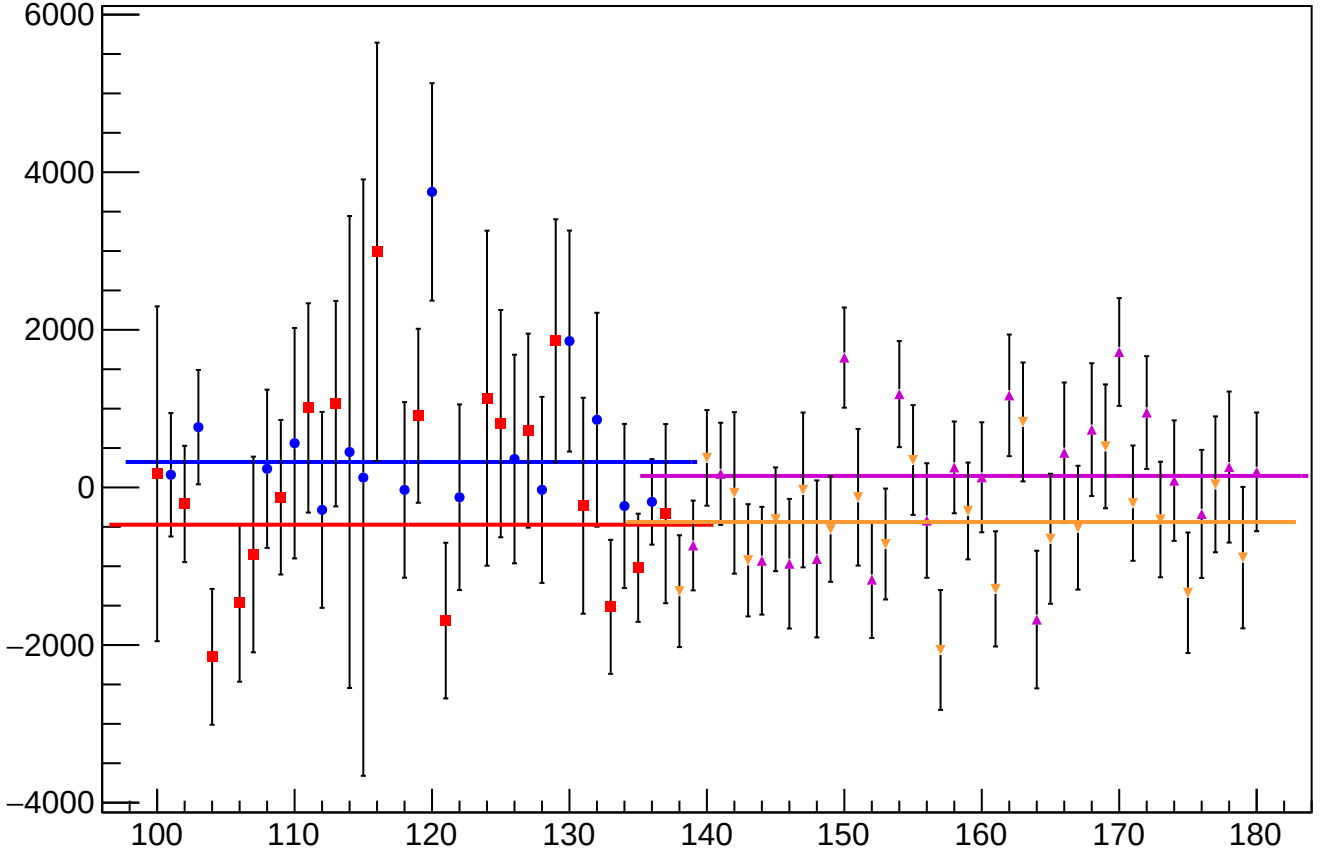
Left In: 668.783+/-0.115 χ^2/NDF:543829.0/20

+ sign 679.801+/-0.098 χ^2/NDF: 1165836.0/37

All: 676.013+/-0.069 χ^2/NDF: 2485259.0/77

- 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: -438.167+/-159.389 χ^2/NDF:18.1/21

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

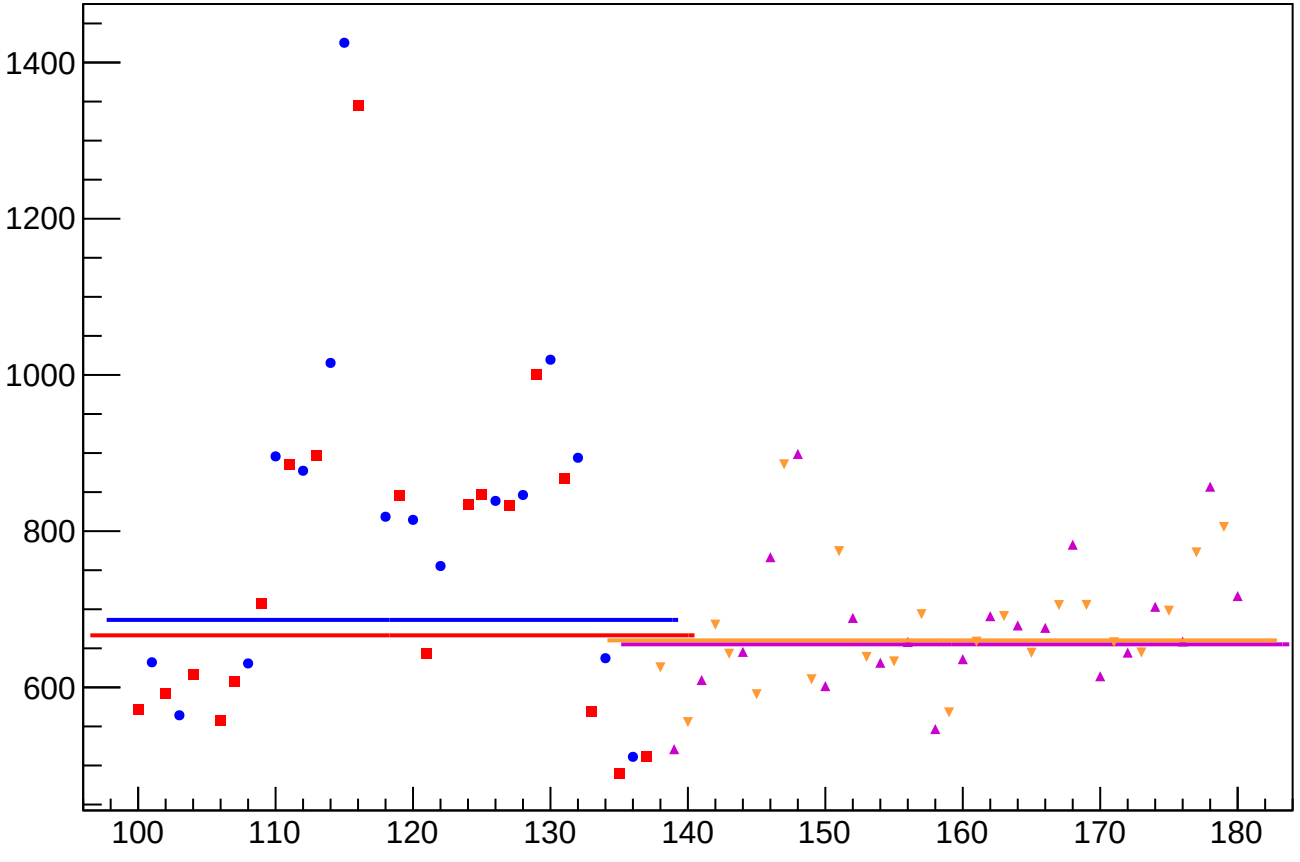
Left In: 146.161+/-159.508 χ^2/NDF:33.2/20

+ sign -232.885+/-136.217 χ^2/NDF: 34.0/37

All: -131.142+/-95.770 χ^2/NDF: 92.0/77

- 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: 660.184+/-0.113 χ^2/NDF:402707.1/21

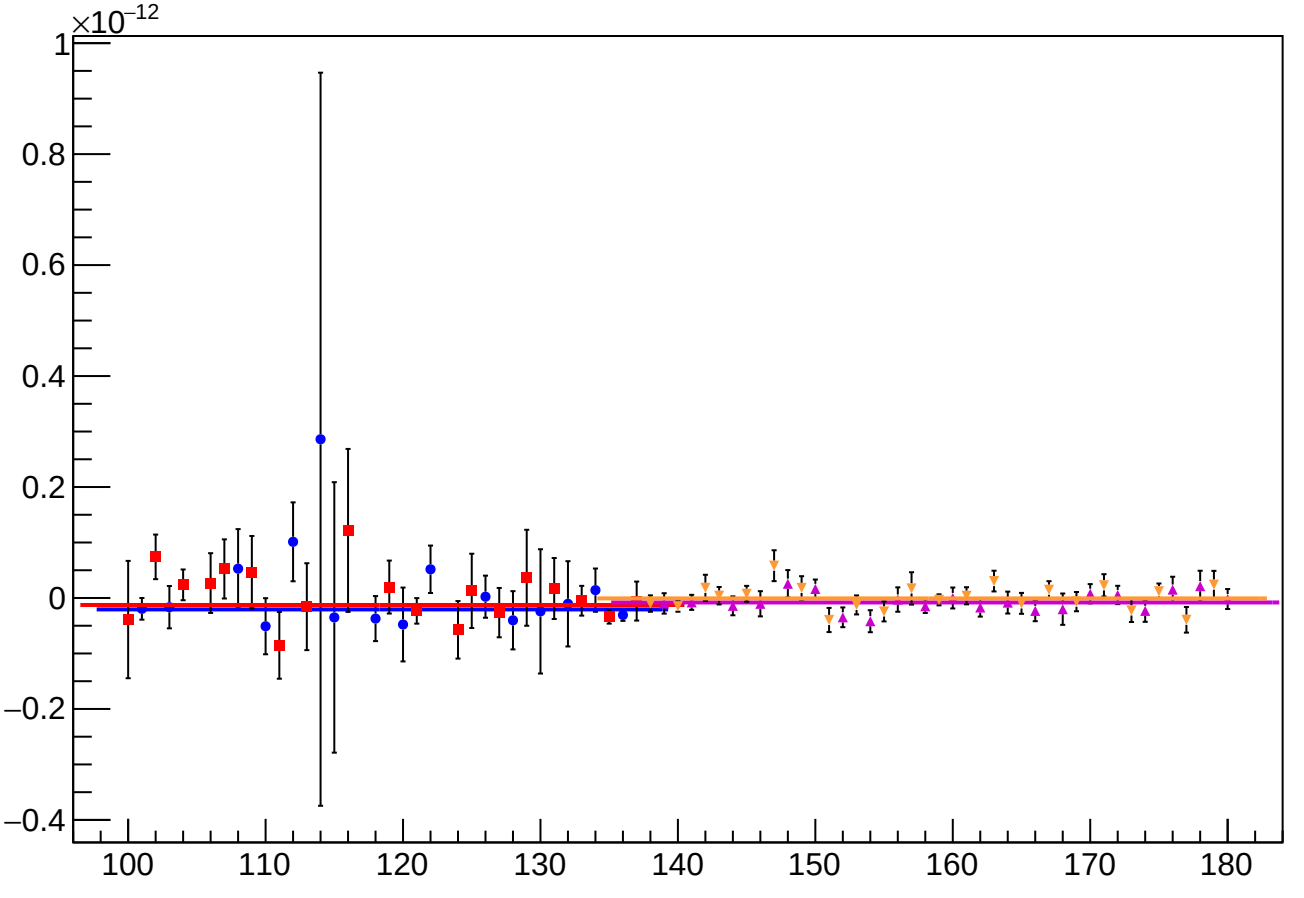
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 655.112+/-0.113 χ^2/NDF:540179.0/20

+ sign 667.251+/-0.096 χ^2/NDF: 1166743.4/37

All: 662.786+/-0.068 χ^2/NDF: 2491202.7/77

- 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:25.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

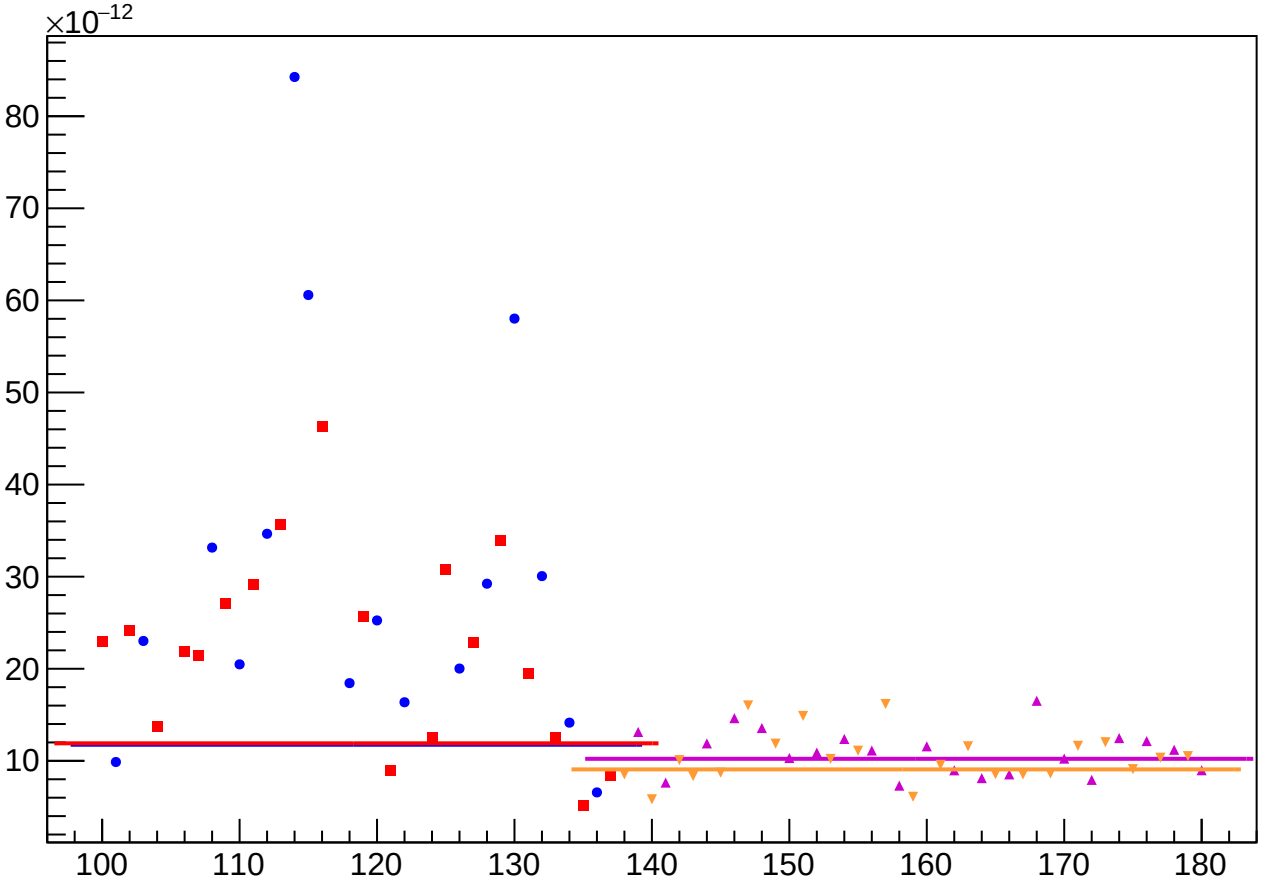
Left In: -0.000+/-0.000 χ^2/NDF:15.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/37

All: -0.000+/-0.000 χ^2/NDF: 74.9/77

- sign -0.000+/-0.000 χ^2/NDF: 32.6/39

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:985915.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

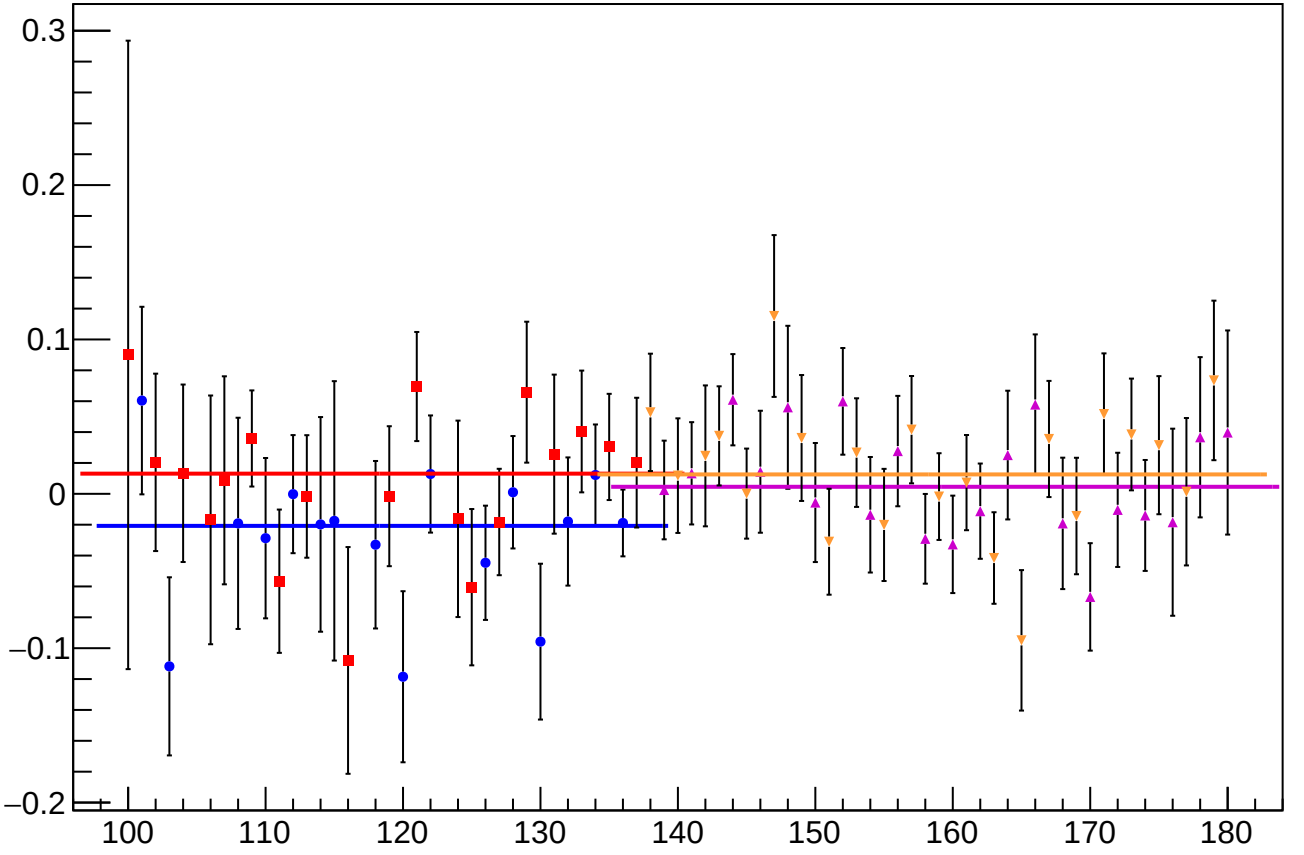
Left In: 0.000+/-0.000 χ^2/NDF:649385.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 3341552.5/37

All: 0.000+/-0.000 χ^2/NDF: 6359506.0/77

- sign 0.000+/-0.000 χ^2/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:22.6/21

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

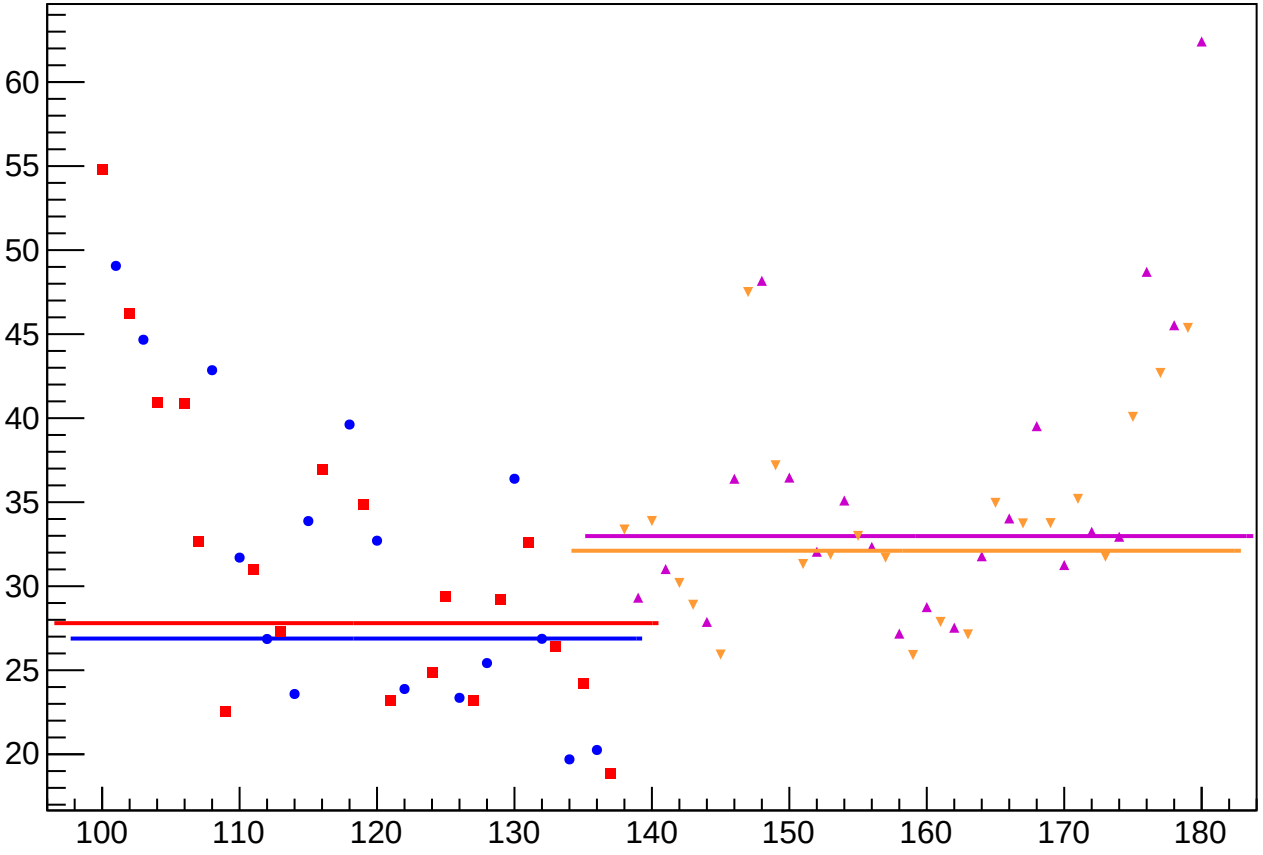
Left In: 0.005+/-0.008 χ^2/NDF:18.4/20

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/37

All: 0.004+/-0.004 χ^2/NDF: 75.0/77

- sign 0.008+/-0.006 χ^2/NDF: 32.7/39

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.111+/-0.006 χ^2/NDF:839048.2/21

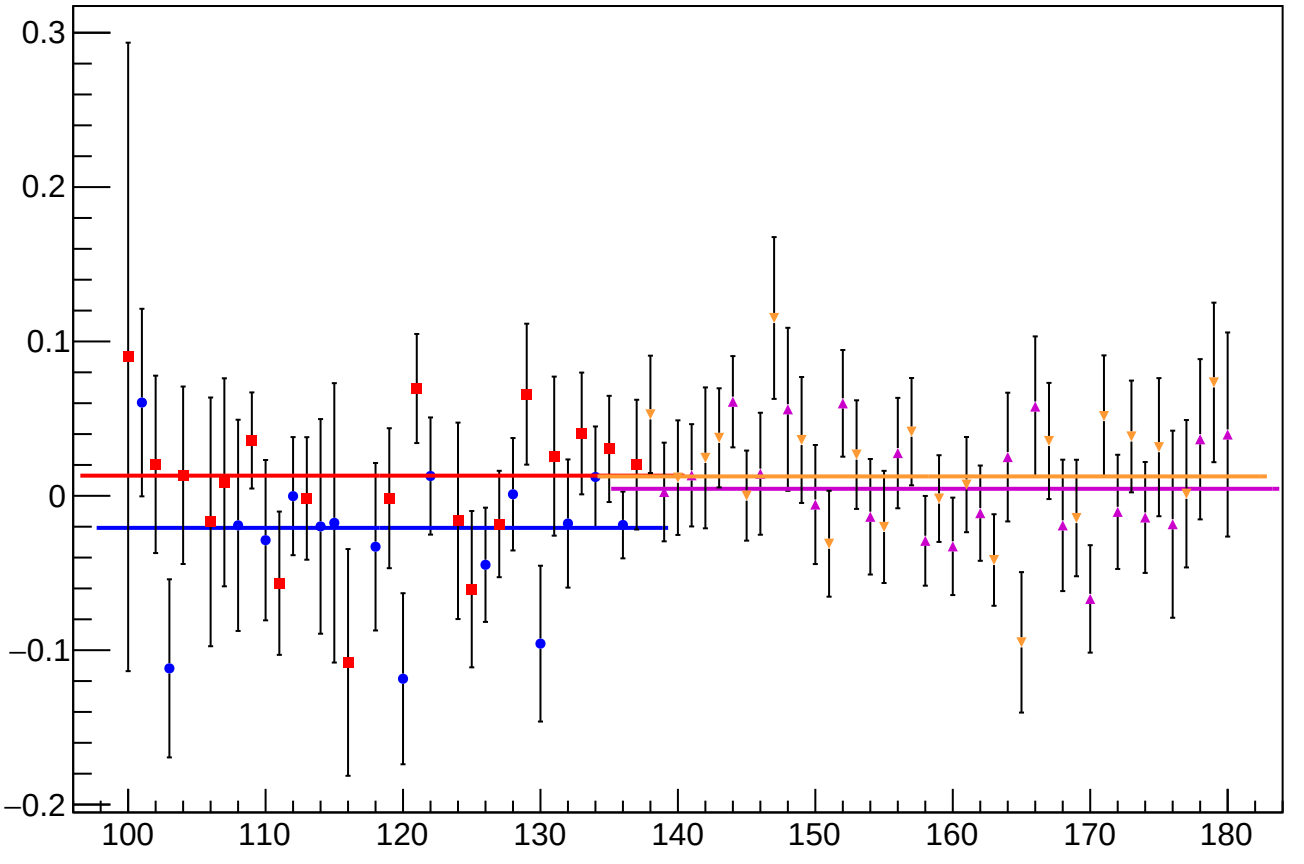
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.983+/-0.006 χ^2/NDF:1179067.6/20

+ sign 30.246+/-0.004 χ^2/NDF: 2277566.2/37

All: 30.637+/-0.003 χ^2/NDF: 4538269.3/77

- sign 31.048+/-0.005 χ^2/NDF: 2244830.2/39



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

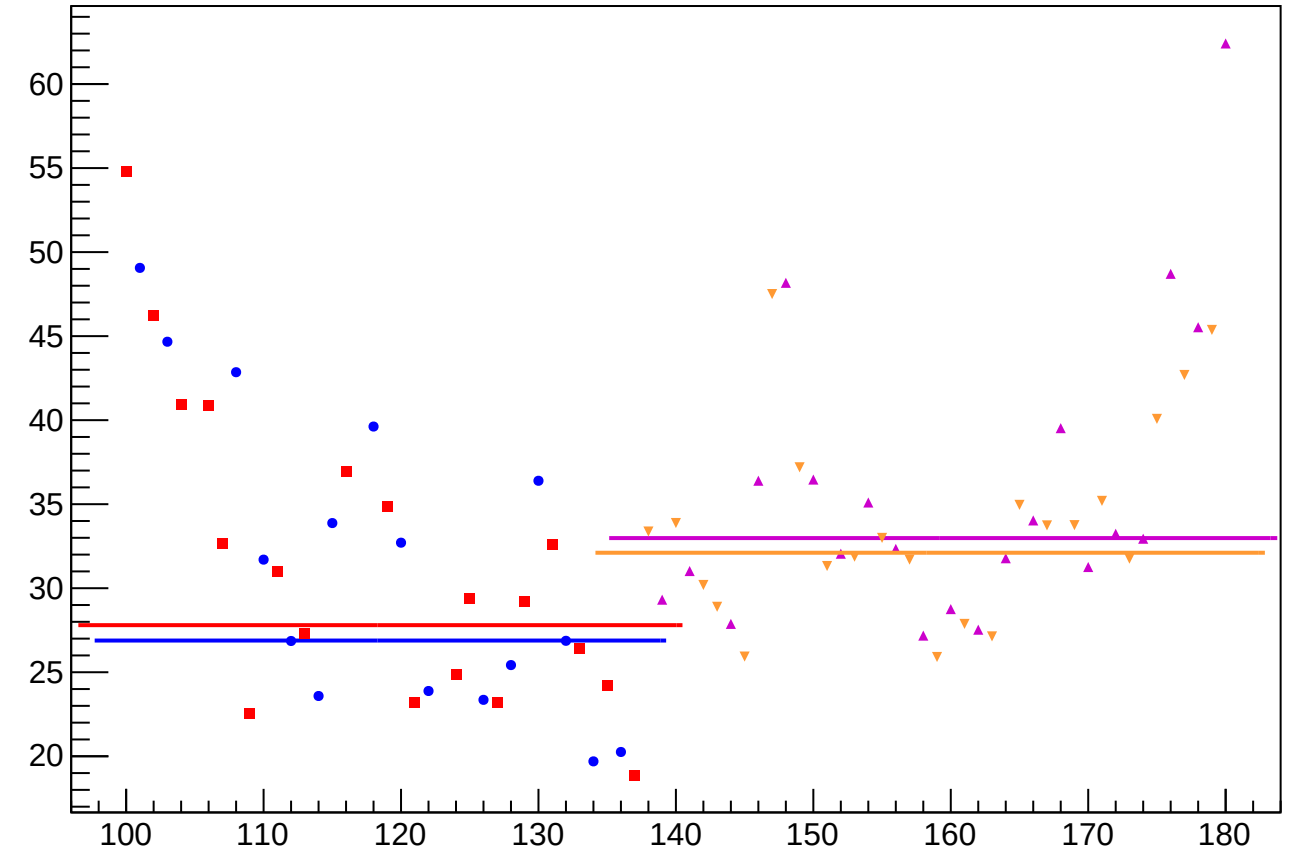
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.008 χ^2/NDF:18.4/20

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/37

All: 0.004+/-0.004 χ^2/NDF: 75.0/77

- 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: 32.111+/-0.006 χ^2/NDF:839048.2/21

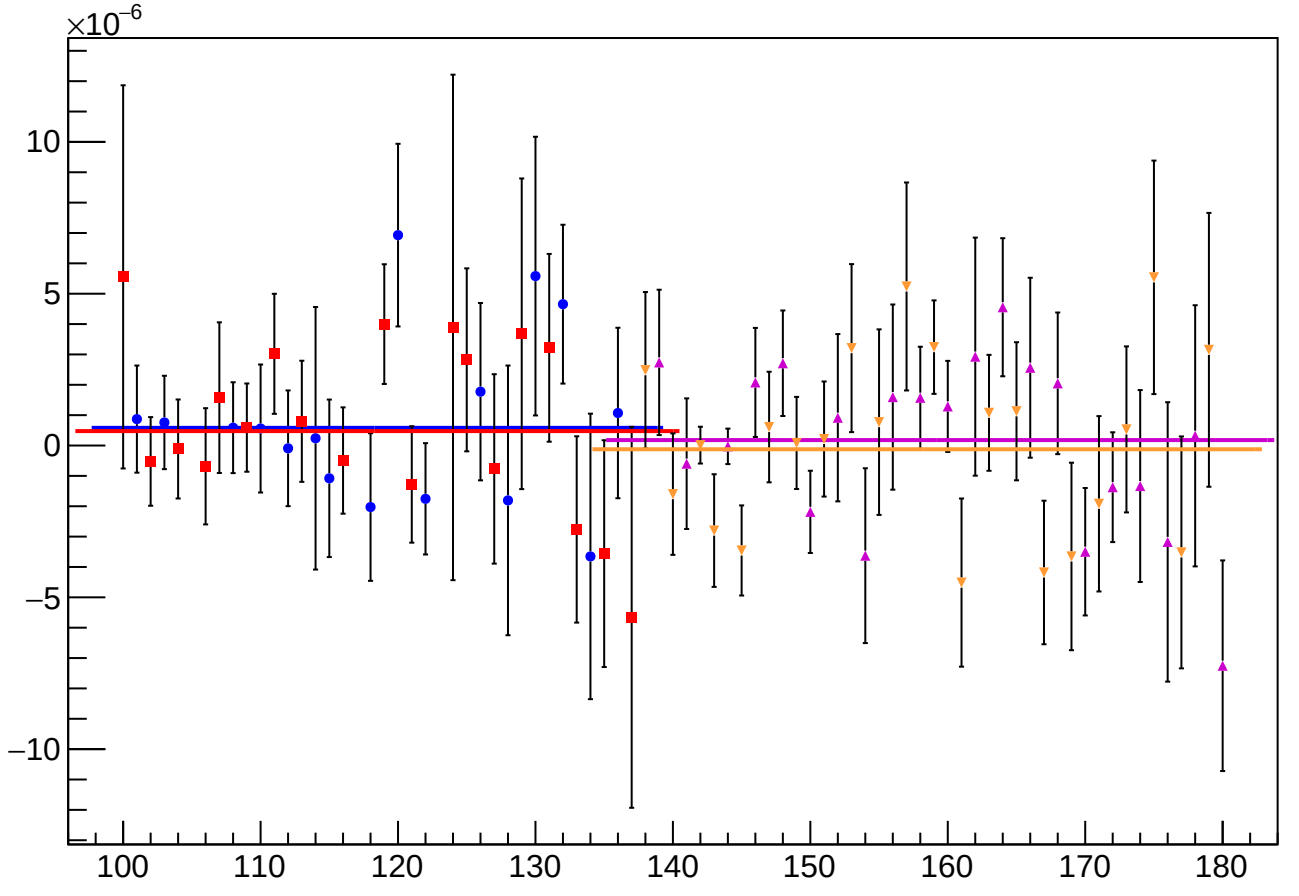
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.983+/-0.006 χ^2/NDF:1179067.6/20

+ sign 30.246+/-0.004 χ^2/NDF: 2277566.2/37

All: 30.637+/-0.003 χ^2/NDF: 4538269.3/77

- 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:29.1/21

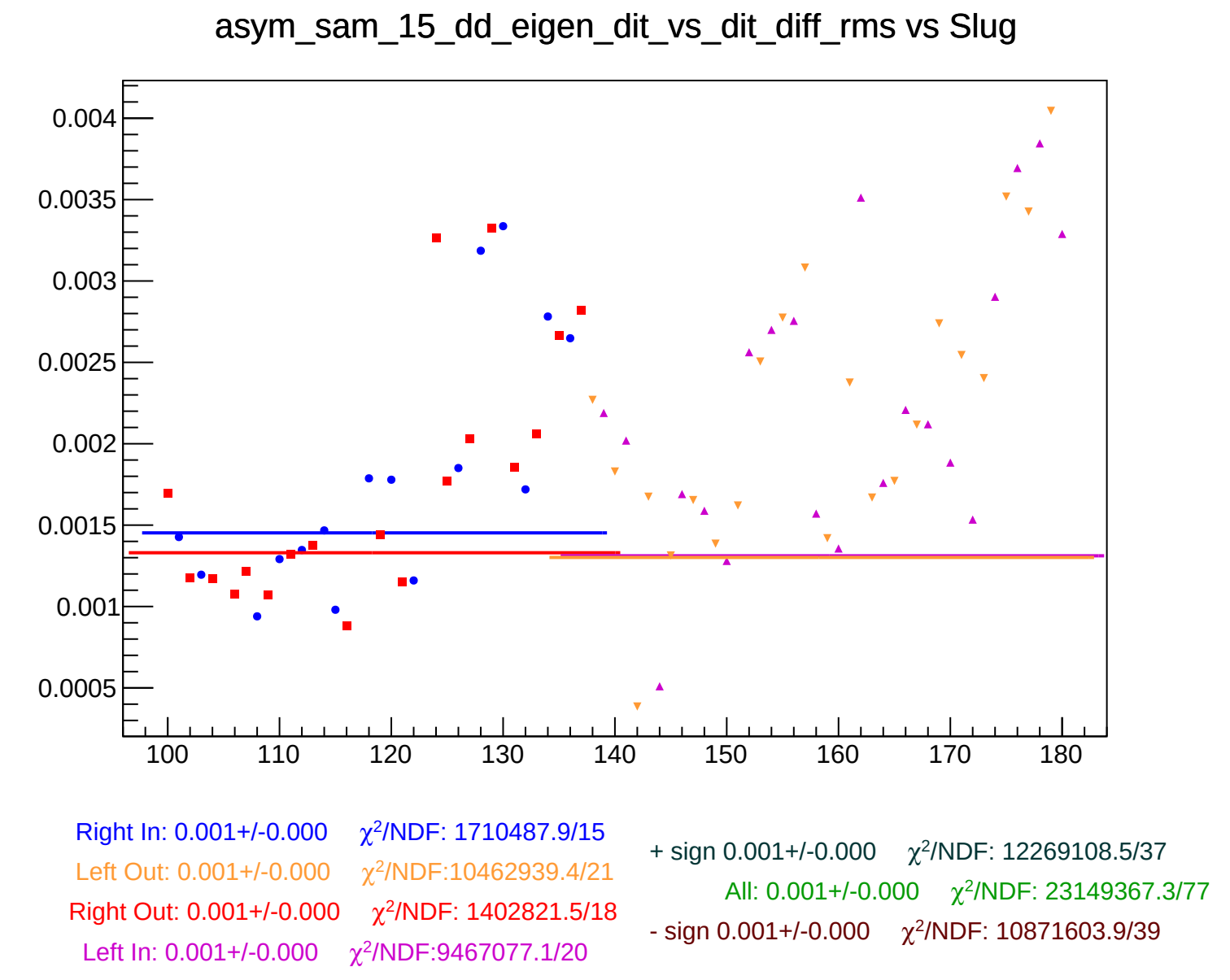
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

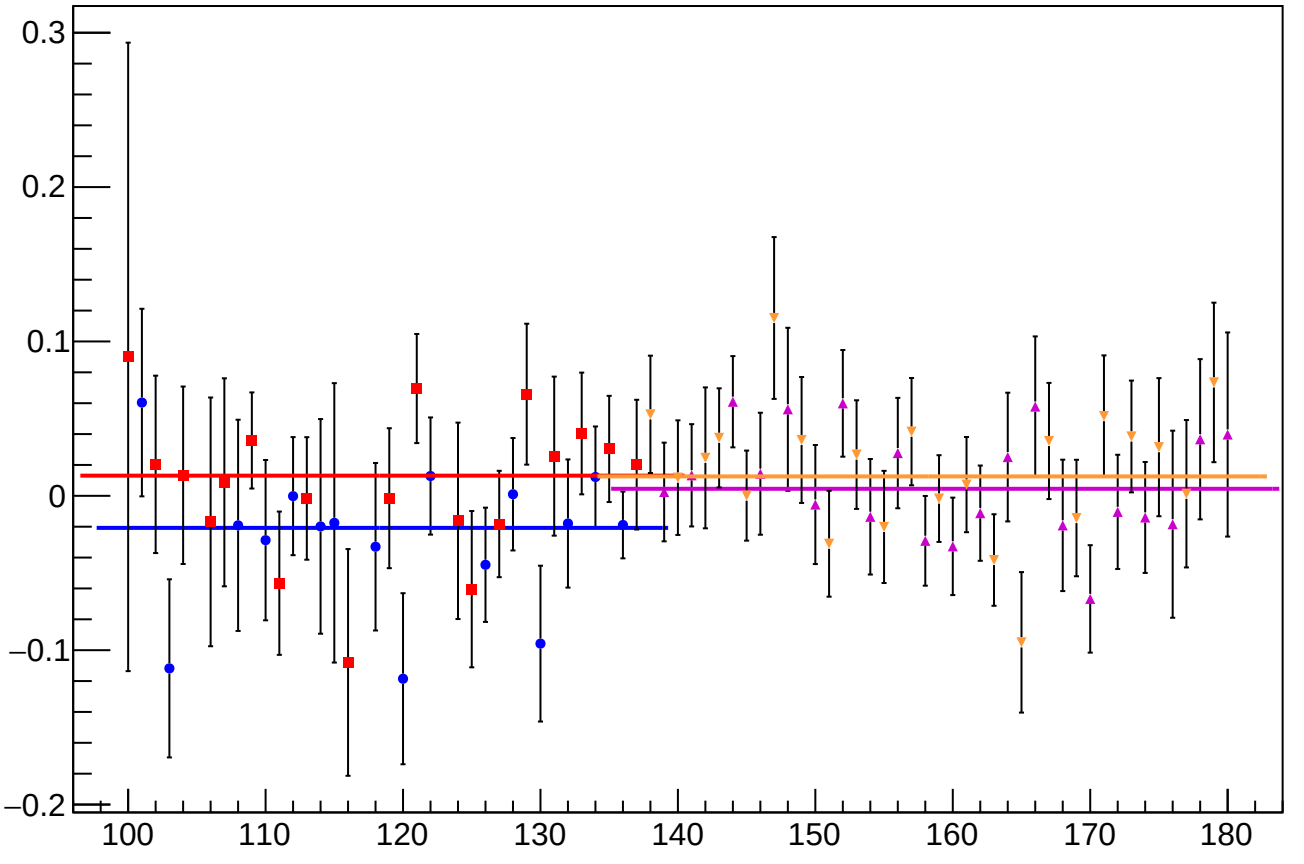
Left In: 0.000+/-0.000 χ^2/NDF:25.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 42.9/37

All: 0.000+/-0.000 χ^2/NDF: 82.1/77

- 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:10462939.4/21
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: 12269108.5/37
All: 0.001+/-0.000 χ²/NDF: 23149367.3/77
- sign 0.001+/-0.000 χ²/NDF: 10871603.9/39



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

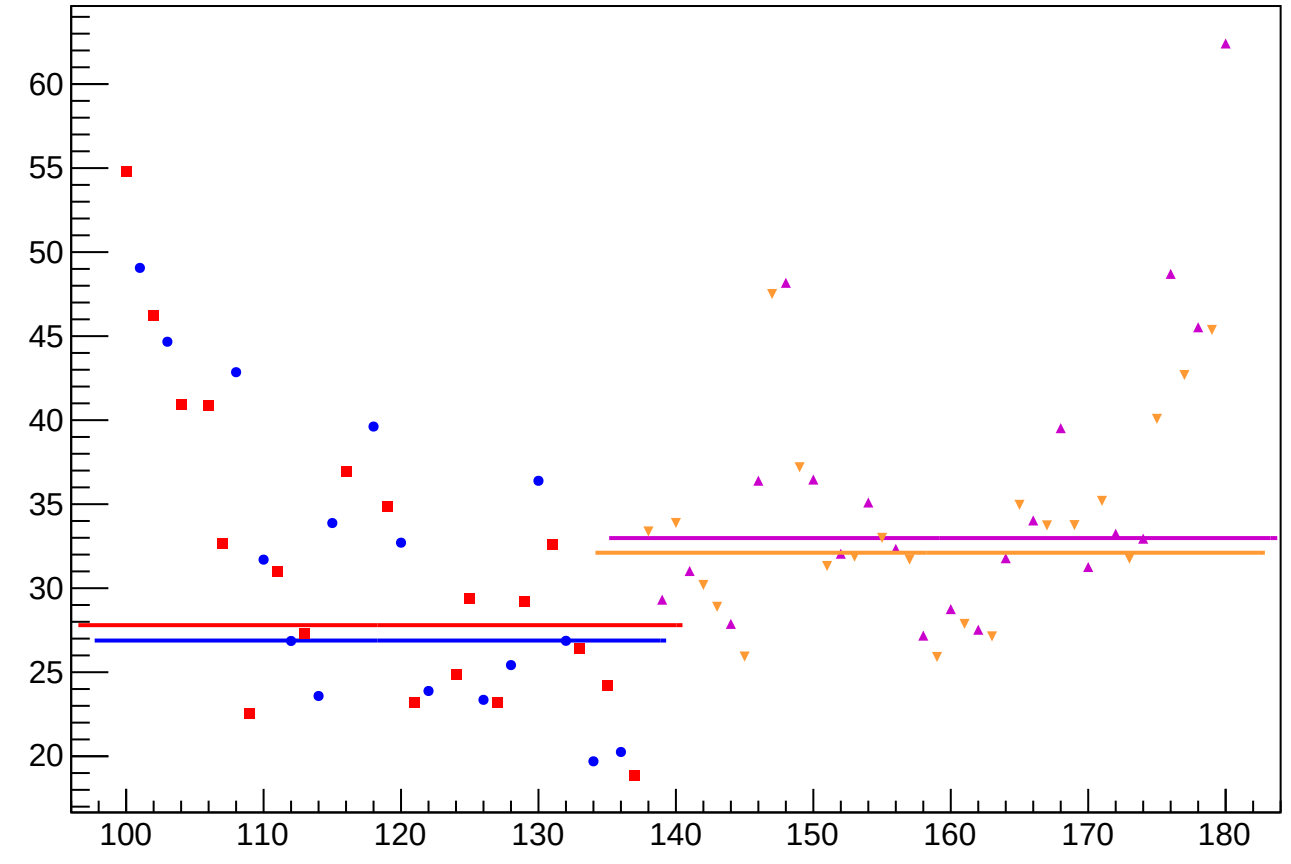
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.008 χ^2/NDF:18.4/20

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/37

All: 0.004+/-0.004 χ^2/NDF: 75.0/77

- 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: 32.111+/-0.006 χ^2/NDF:839139.3/21

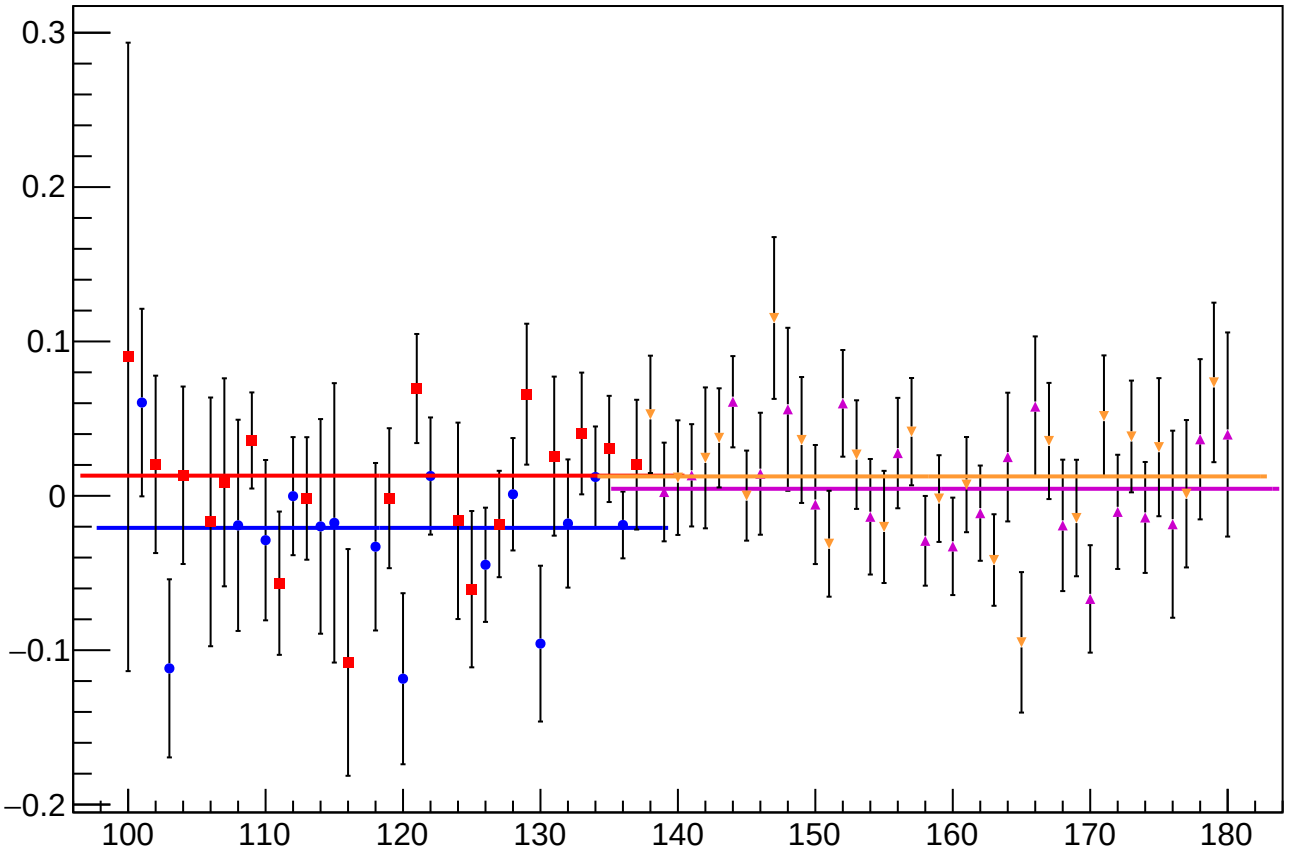
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.983+/-0.006 χ^2/NDF:1179136.6/20

+ sign 30.246+/-0.004 χ^2/NDF: 2277778.3/37

All: 30.636+/-0.003 χ^2/NDF: 4538827.9/77

- 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:22.6/21

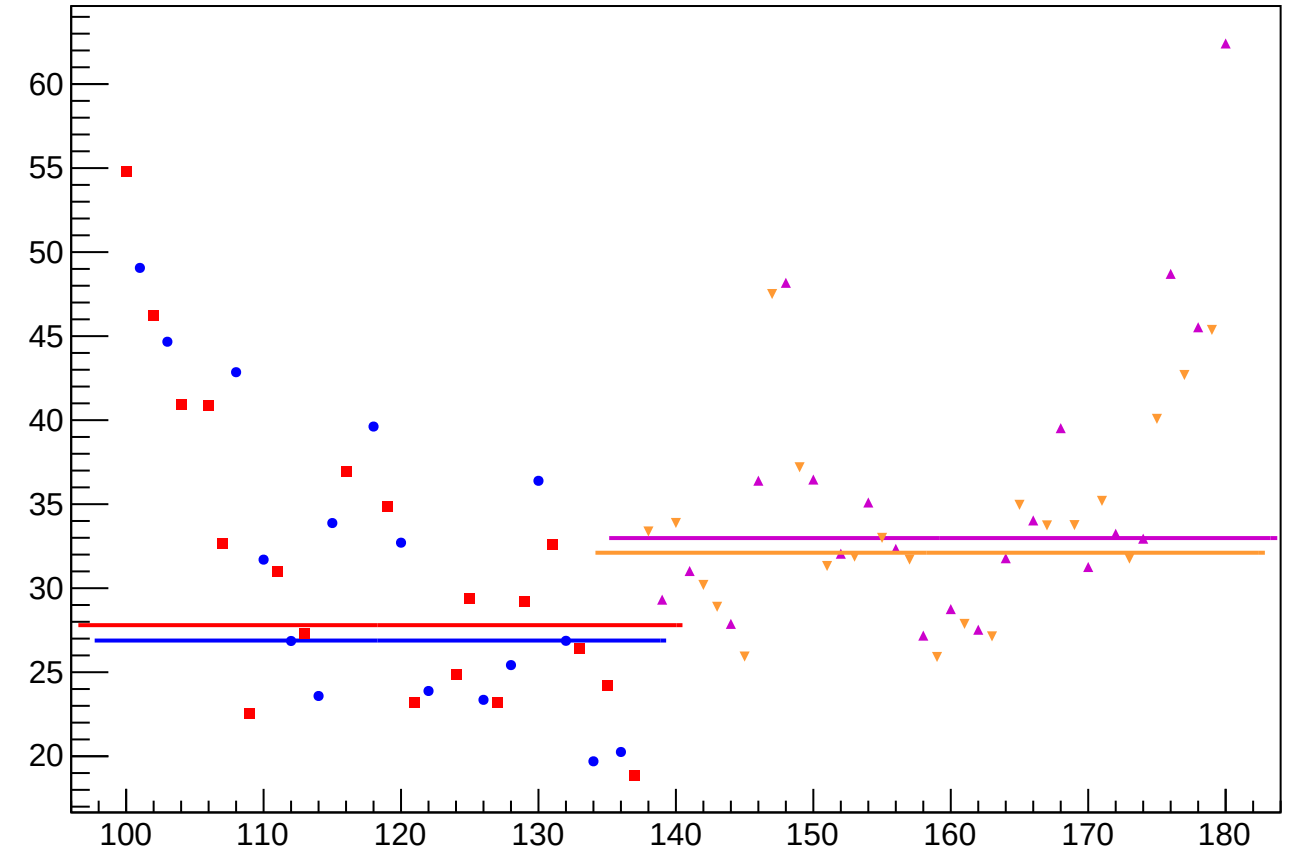
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.008 χ^2/NDF:18.4/20

+ sign 0.001+/-0.006 χ^2/NDF: 41.7/37

All: 0.004+/-0.004 χ^2/NDF: 75.0/77

- 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: 32.111+/-0.006 χ^2/NDF:839139.3/21

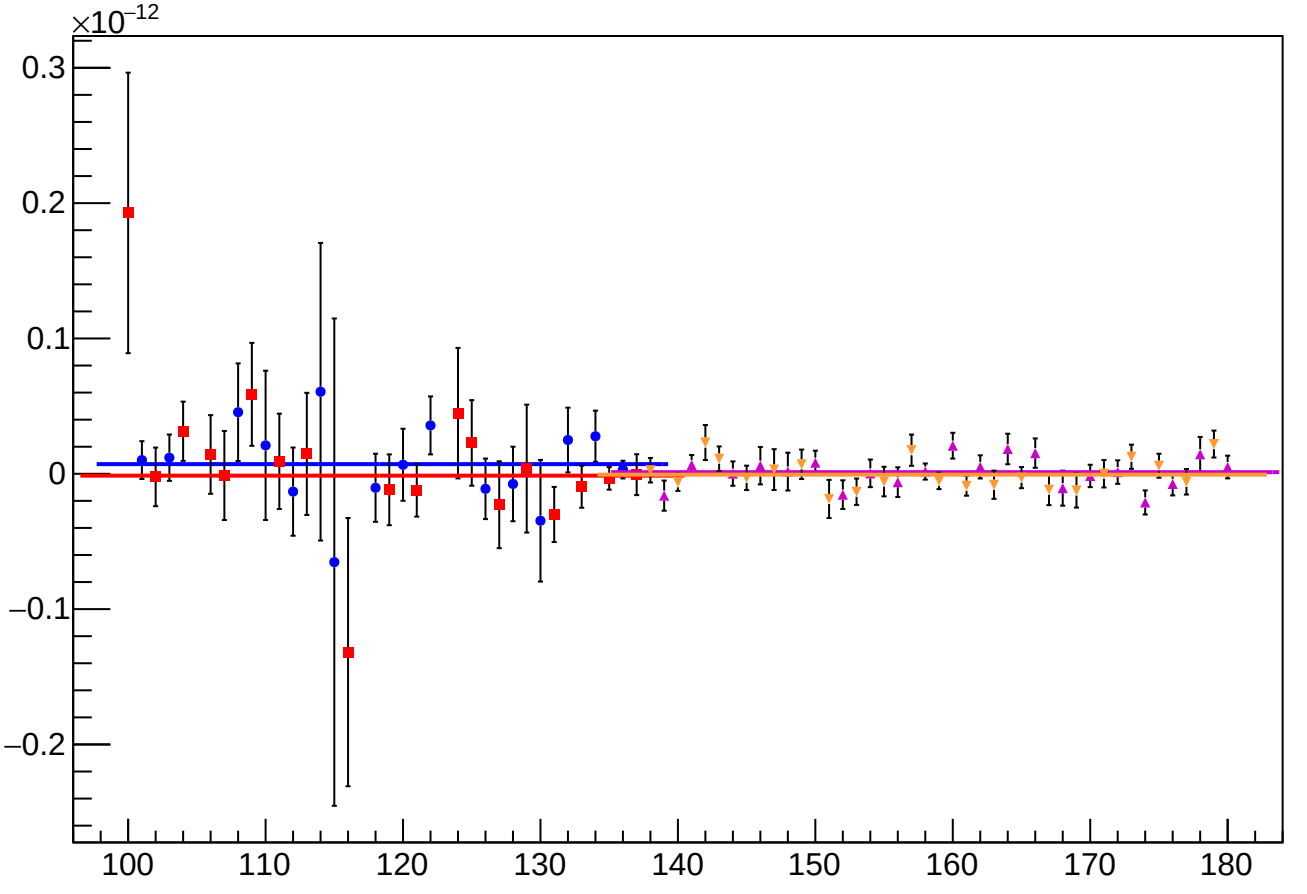
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.983+/-0.006 χ^2/NDF:1179136.6/20

+ sign 30.246+/-0.004 χ^2/NDF: 2277778.3/37

All: 30.636+/-0.003 χ^2/NDF: 4538827.9/77

- 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:25.0/21

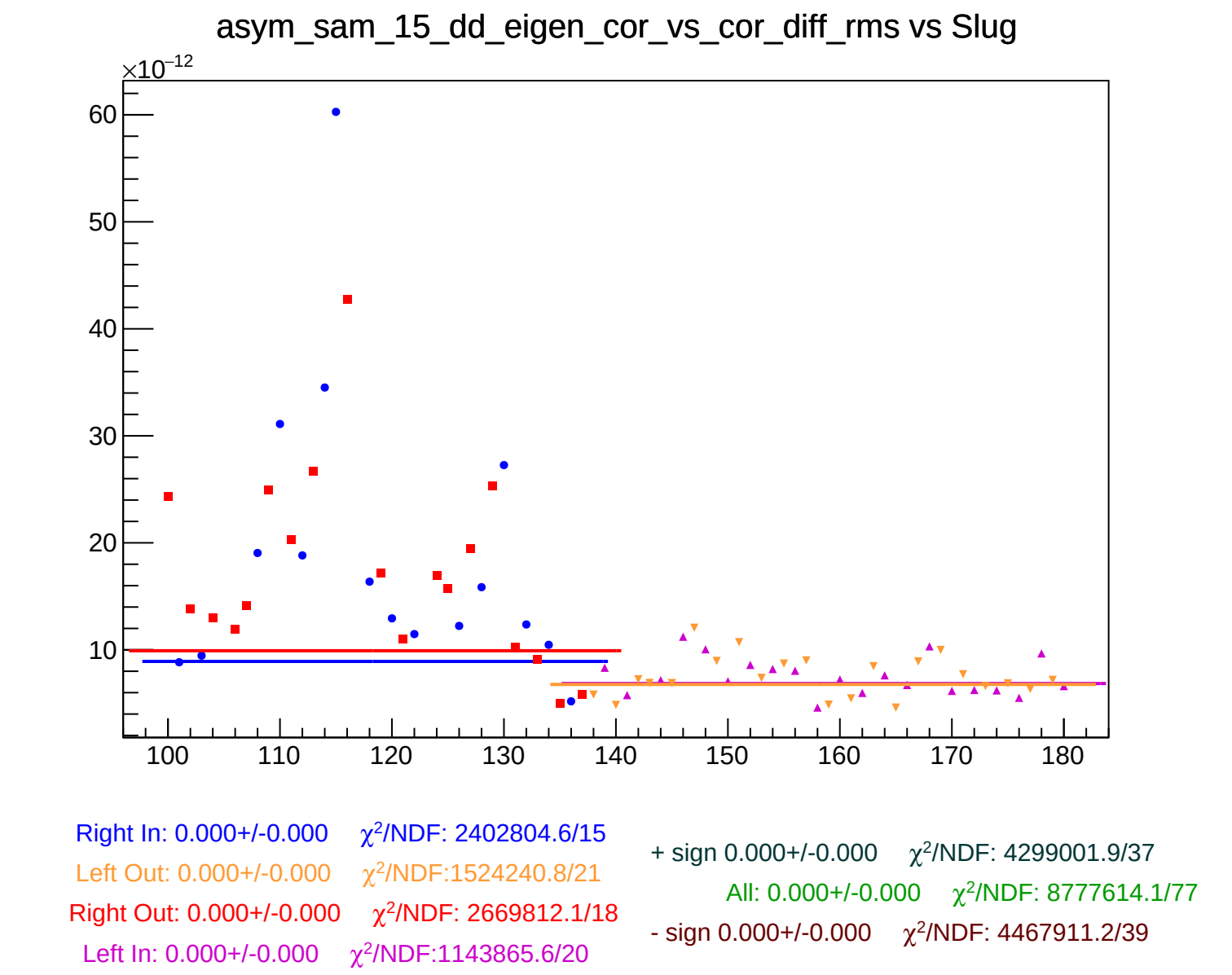
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/20

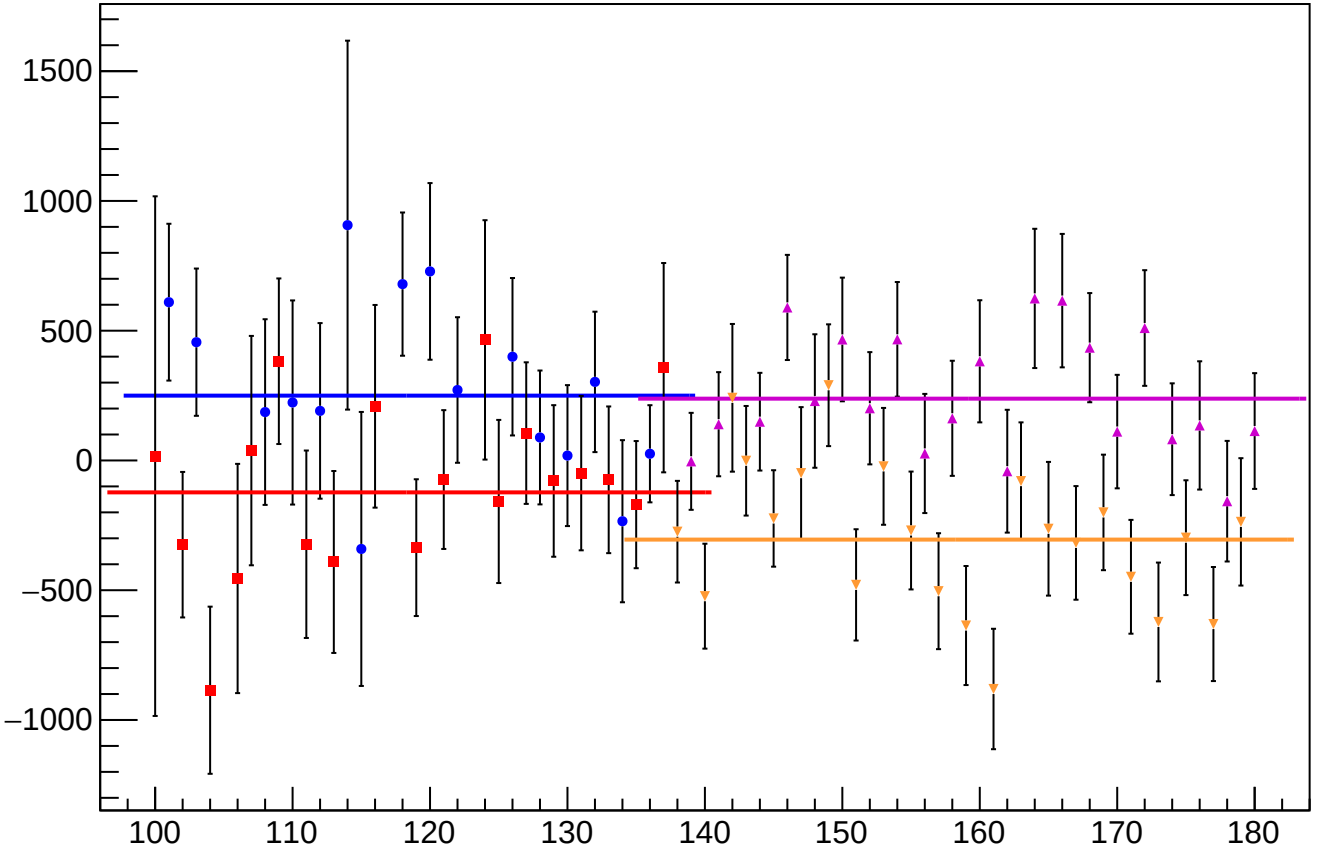
+ sign 0.000+/-0.000 χ^2/NDF: 35.7/37

All: 0.000+/-0.000 χ^2/NDF: 75.8/77

- 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
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1524240.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:1143865.6/20
+ sign 0.000+/-0.000 χ²/NDF: 4299001.9/37
All: 0.000+/-0.000 χ²/NDF: 8777614.1/77
- 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: -304.934+/-47.690 χ^2/NDF:31.7/21

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

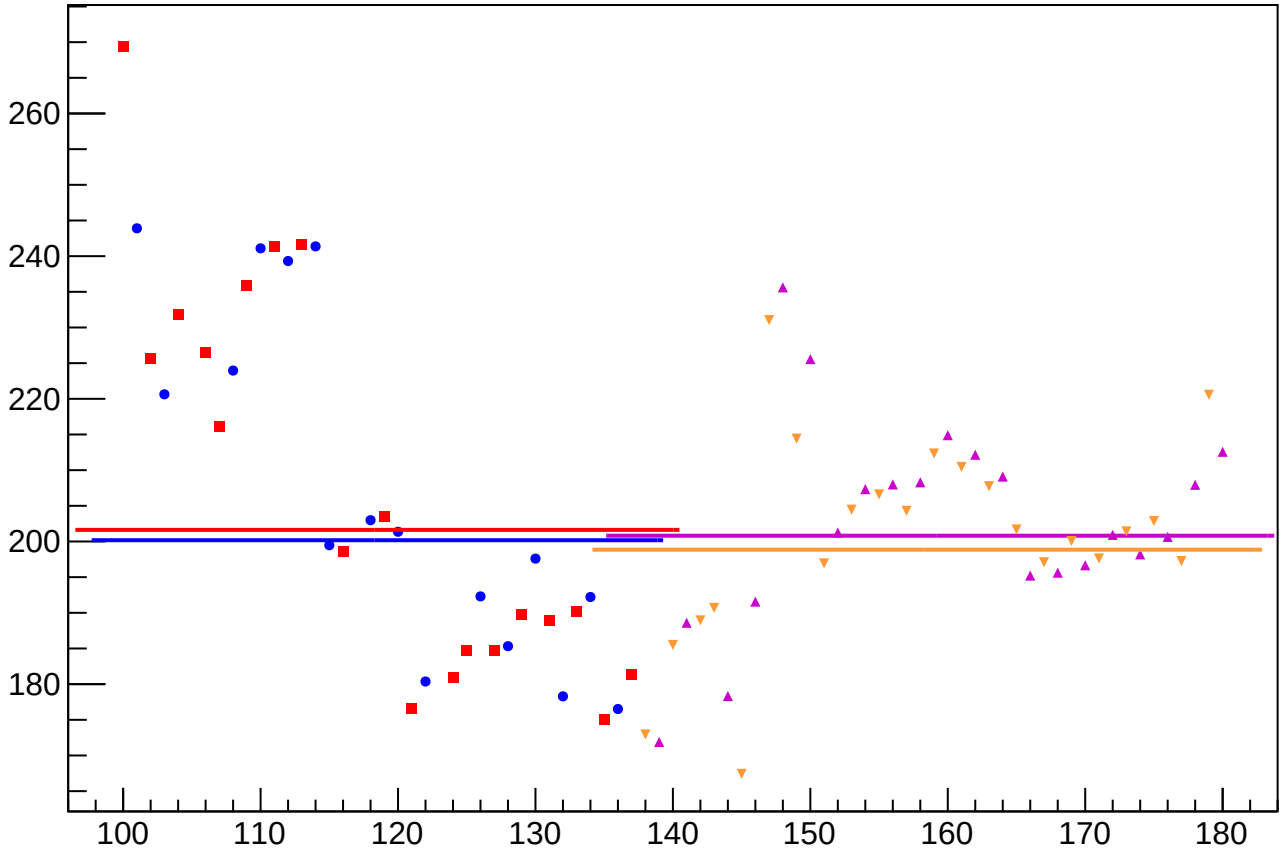
Left In: 238.115+/-48.497 χ^2/NDF:20.7/20

+ sign -144.857+/-40.224 χ^2/NDF: 84.5/37

All: -8.601+/-28.583 χ^2/NDF: 160.5/77

- sign 130.372+/-40.623 χ^2/NDF: 52.8/39

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

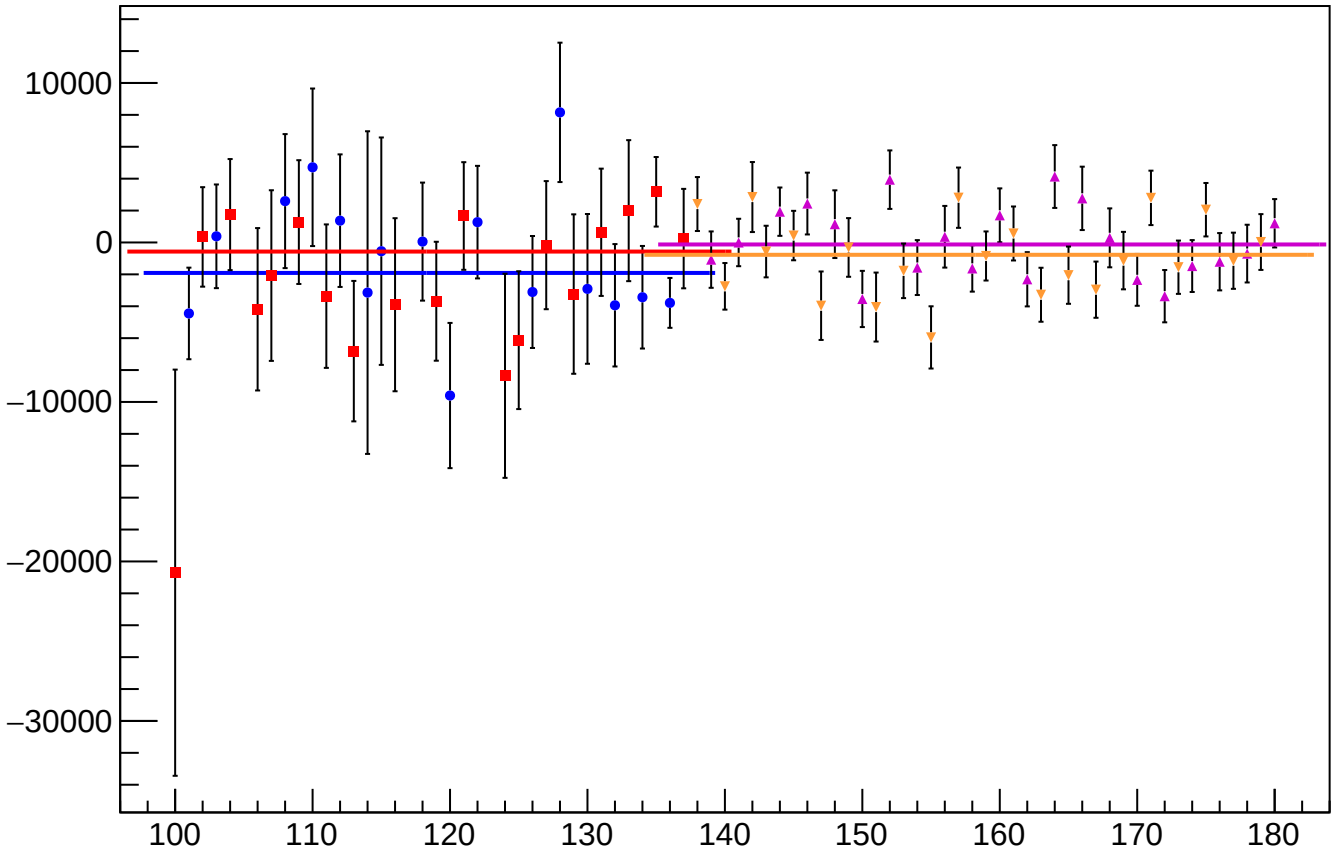
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.811+/-0.034 χ^2/NDF:176508.3/20

+ sign 199.232+/-0.028 χ^2/NDF: 365710.5/37

All: 200.134+/-0.020 χ^2/NDF: 741665.7/77

- 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: -773.484+/-372.584 χ^2/NDF:36.9/21

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

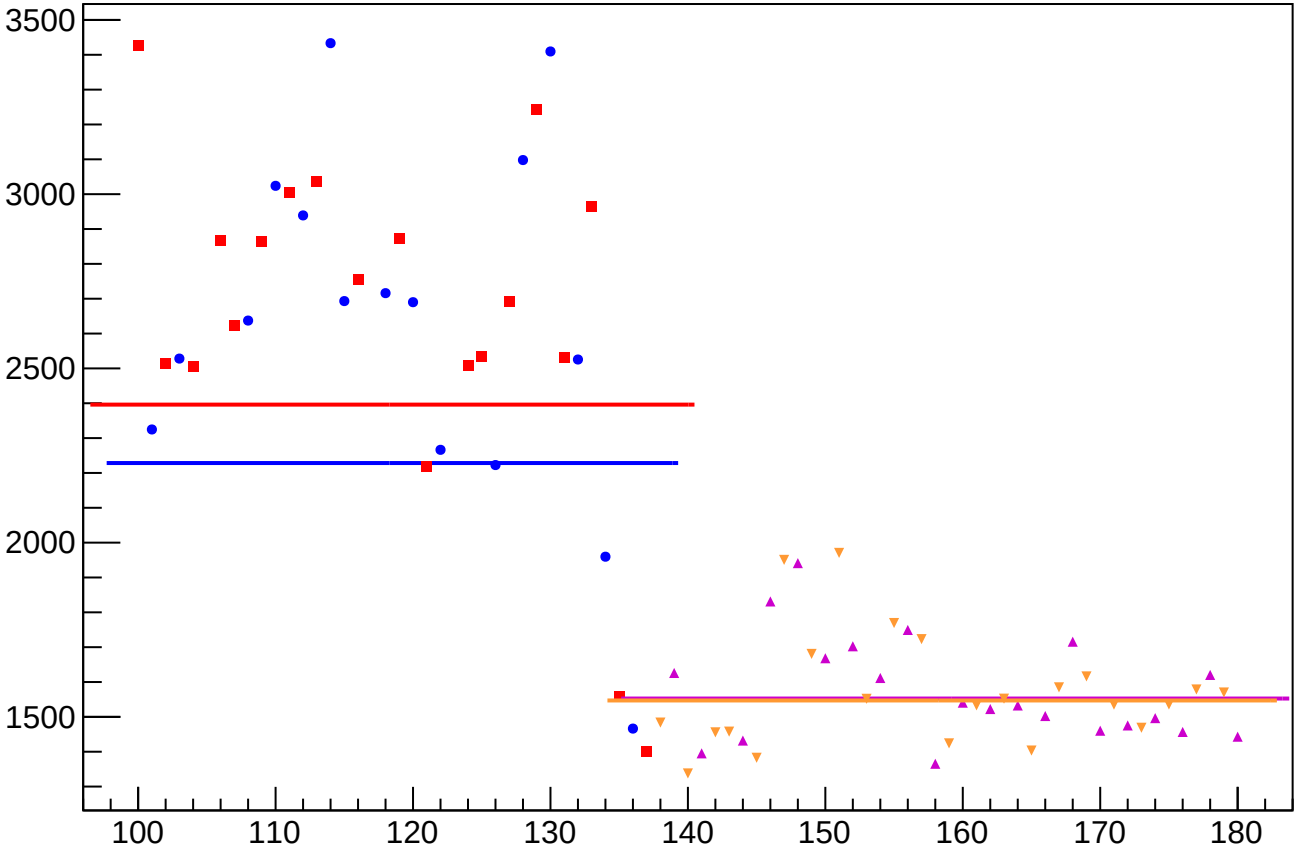
Left In: -125.995+/-376.017 χ^2/NDF:32.1/20

+ sign -953.466+/-341.821 χ^2/NDF: 54.6/37

All: -578.467+/-243.507 χ^2/NDF: 104.0/77

- 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: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

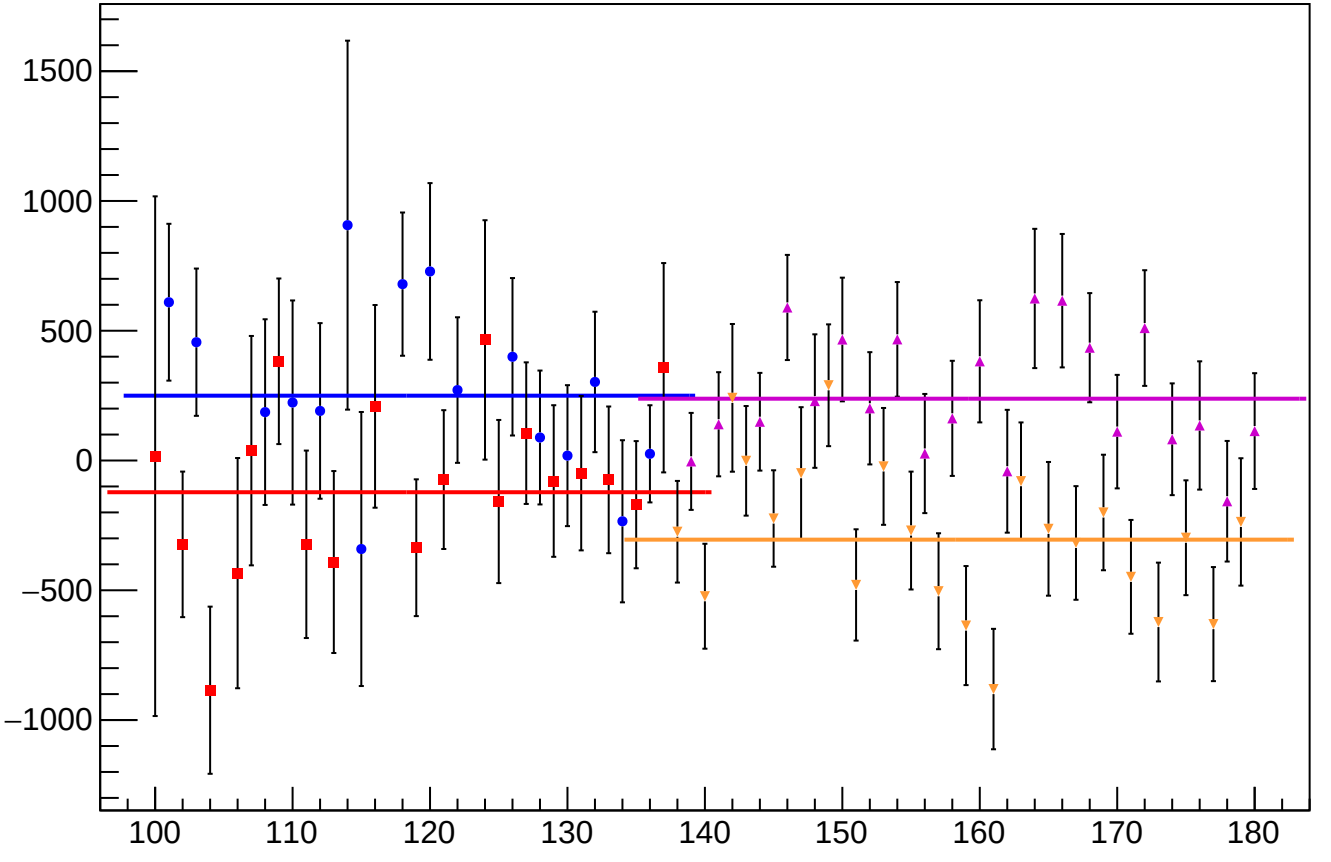
Left In: 1552.633+/-0.266 χ^2/NDF:275025.1/20

+ sign 1654.941+/-0.242 χ^2/NDF: 2318991.1/37

All: 1666.236+/-0.172 χ^2/NDF: 4892118.0/77

- 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: -304.933+/-47.690 χ^2/NDF:31.7/21

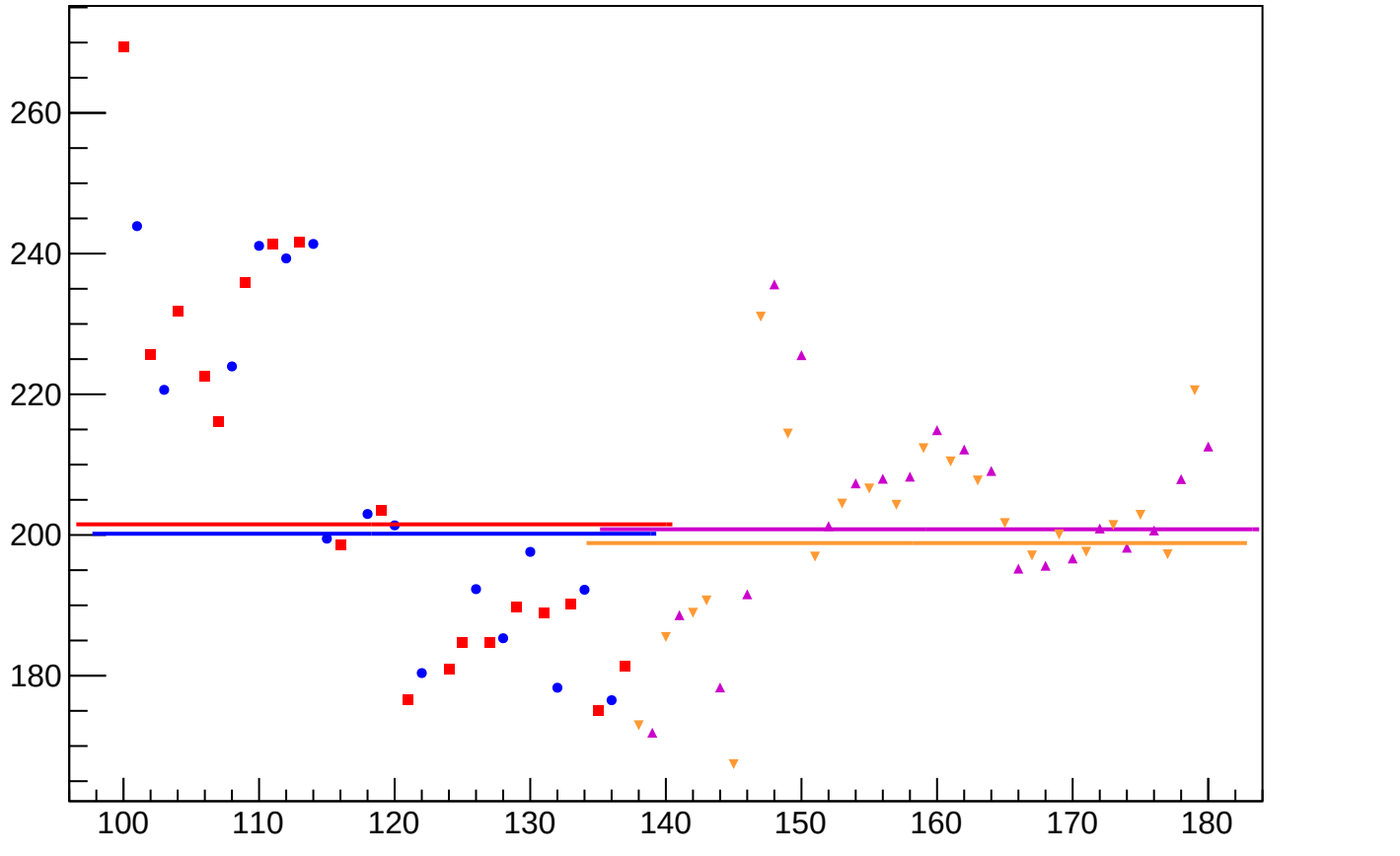
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 238.121+/-48.497 χ^2/NDF:20.7/20

+ sign -144.856+/-40.224 χ^2/NDF: 84.5/37

All: -8.477+/-28.583 χ^2/NDF: 160.4/77

- sign 130.631+/-40.625 χ^2/NDF: 52.7/39



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

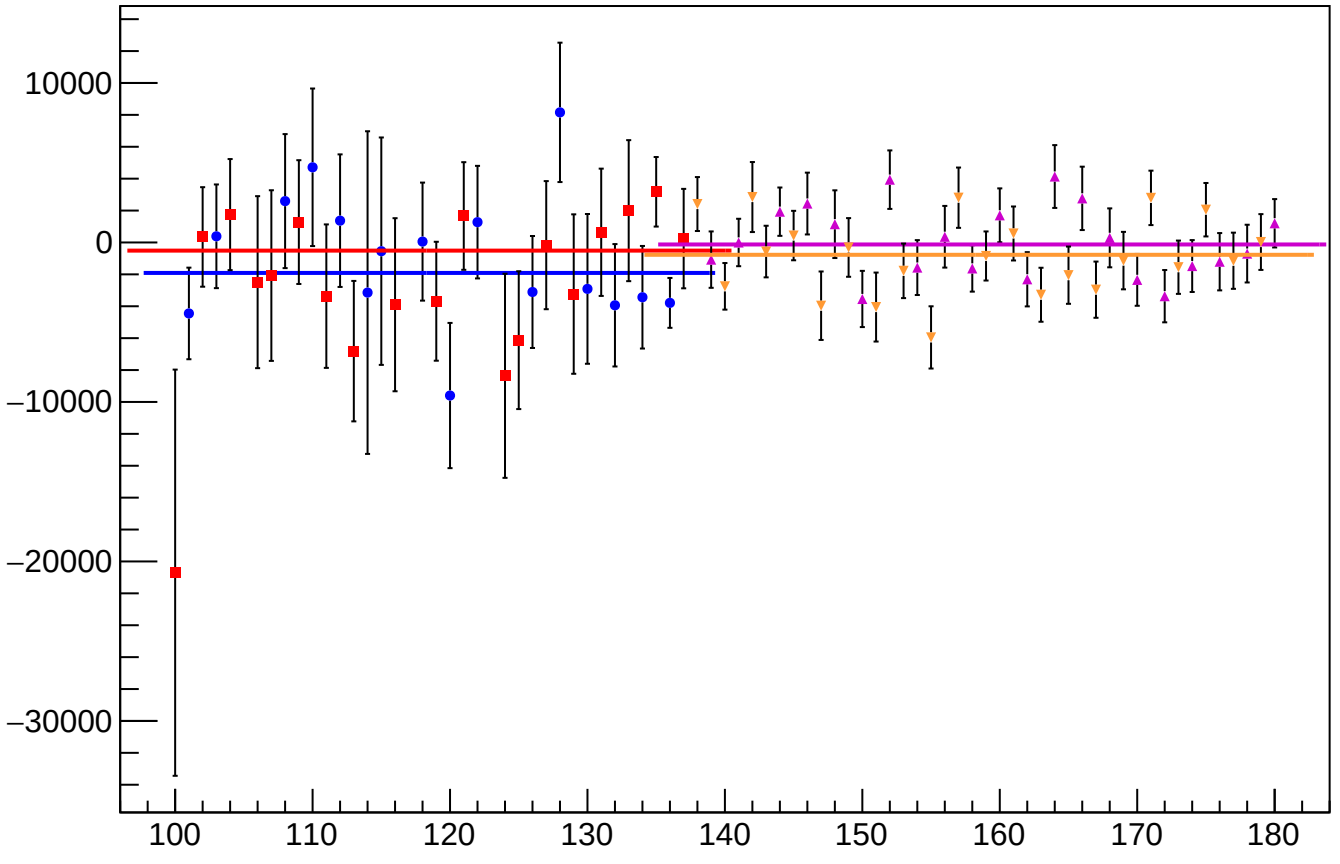
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.811+/-0.034 χ^2/NDF:176508.3/20

+ sign 199.232+/-0.028 χ^2/NDF: 365710.8/37

All: 200.117+/-0.020 χ^2/NDF: 739733.5/77

- 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: -773.488+/-372.584 χ^2/NDF:36.9/21

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

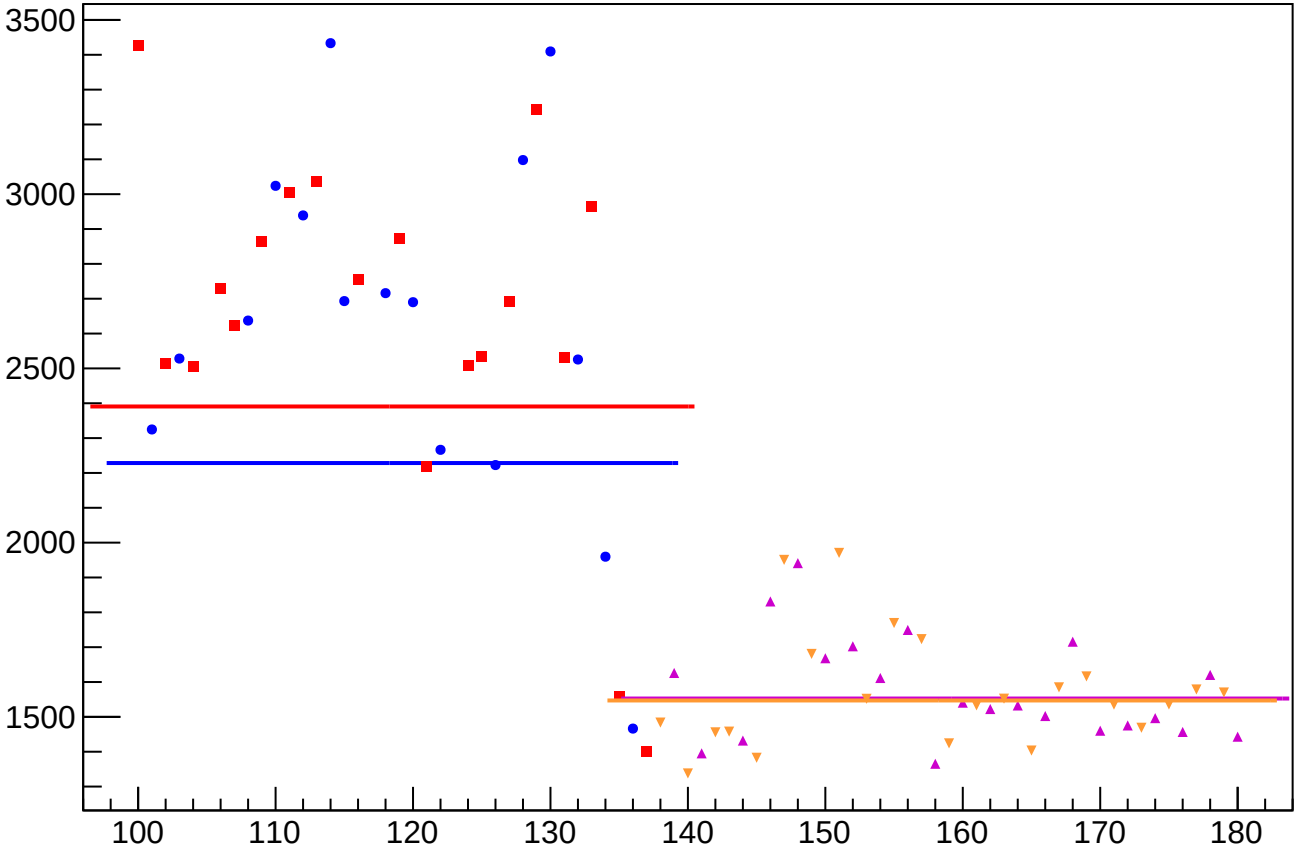
Left In: -125.996+/-376.017 χ^2/NDF:32.1/20

+ sign -953.464+/-341.821 χ^2/NDF: 54.6/37

All: -574.118+/-243.538 χ^2/NDF: 103.6/77

- 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: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

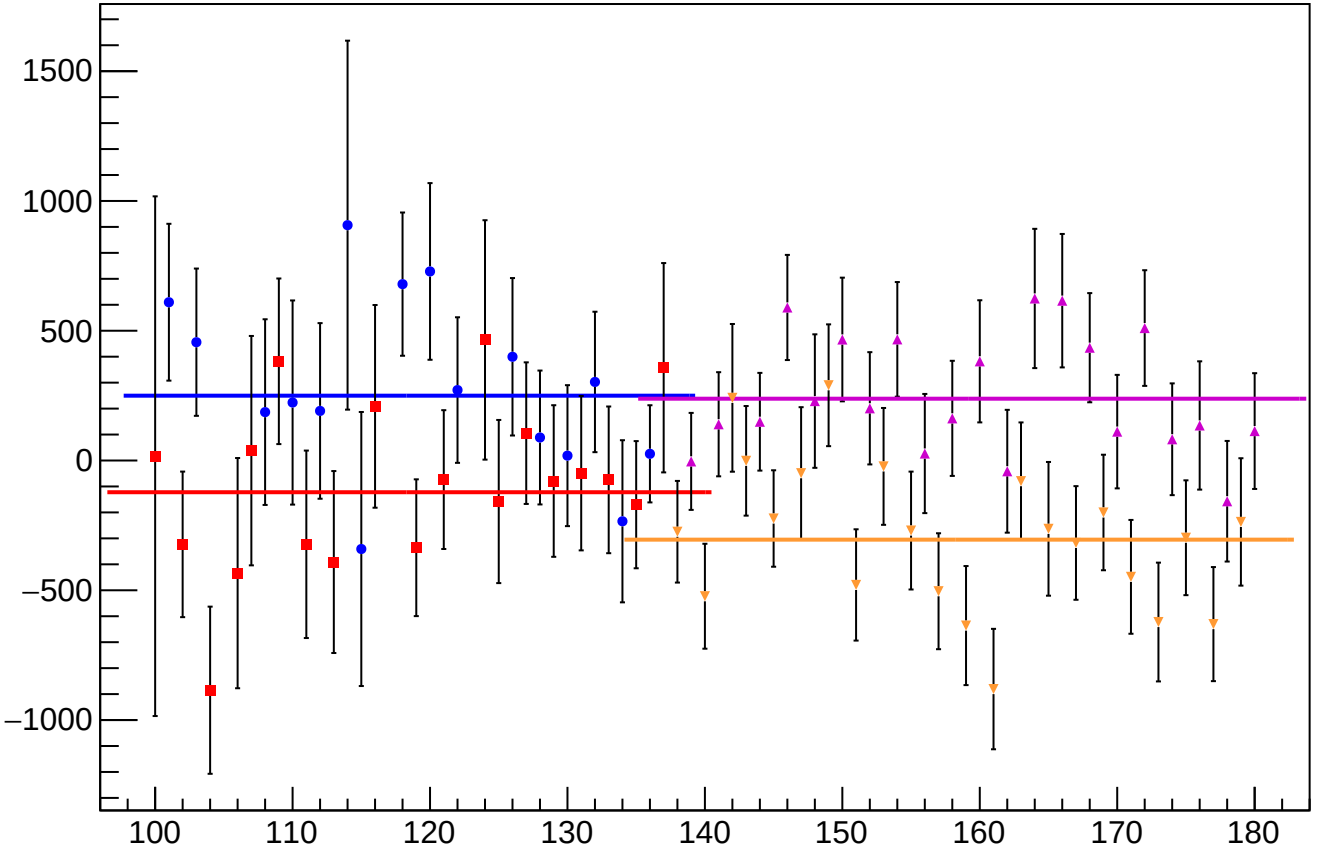
Left In: 1552.633+/-0.266 χ^2/NDF:275027.2/20

+ sign 1654.942+/-0.242 χ^2/NDF: 2319002.9/37

All: 1665.661+/-0.172 χ^2/NDF: 4859011.5/77

- 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: -304.933+/-47.690 χ^2/NDF:31.7/21

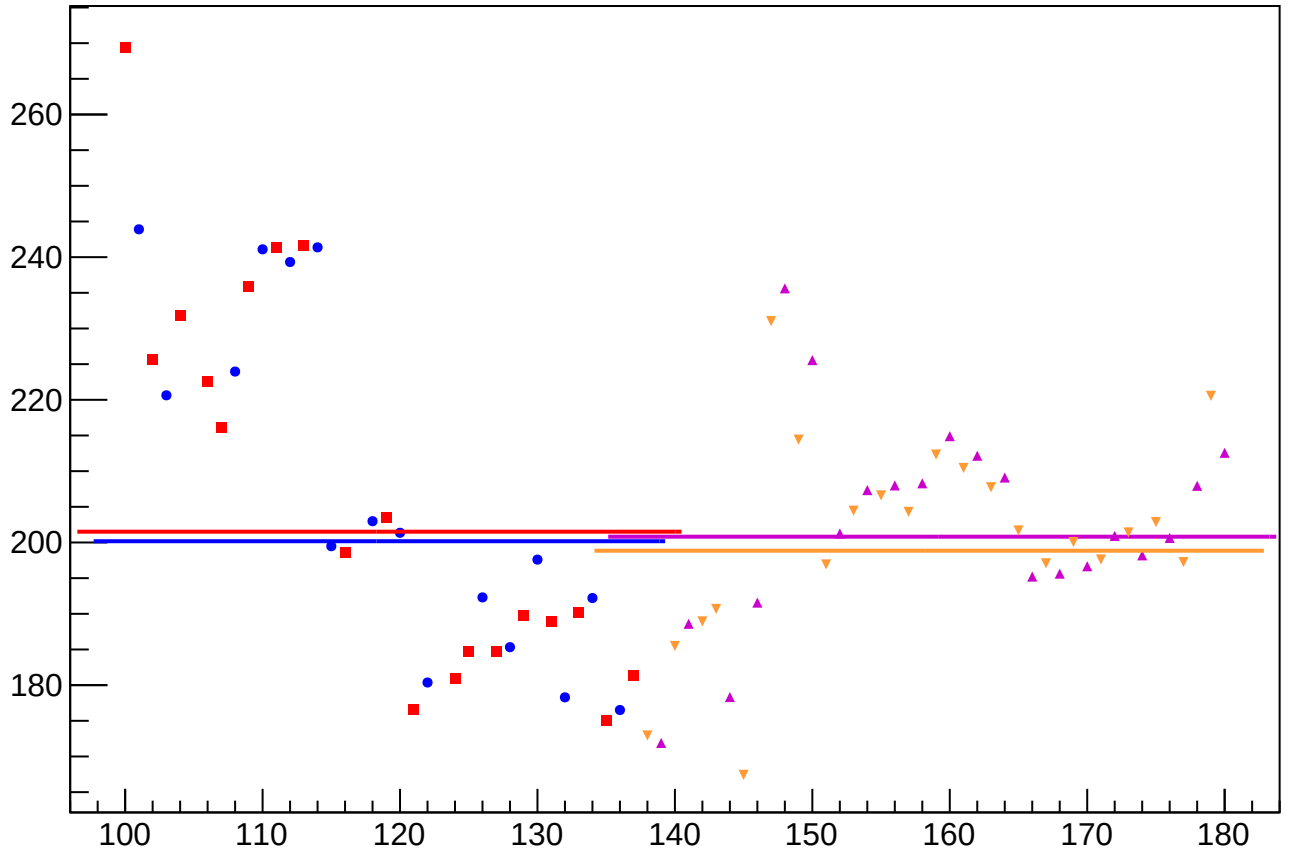
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 238.121+/-48.497 χ^2/NDF:20.7/20

+ sign -144.856+/-40.224 χ^2/NDF: 84.5/37

All: -8.477+/-28.583 χ^2/NDF: 160.4/77

- sign 130.631+/-40.625 χ^2/NDF: 52.7/39



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

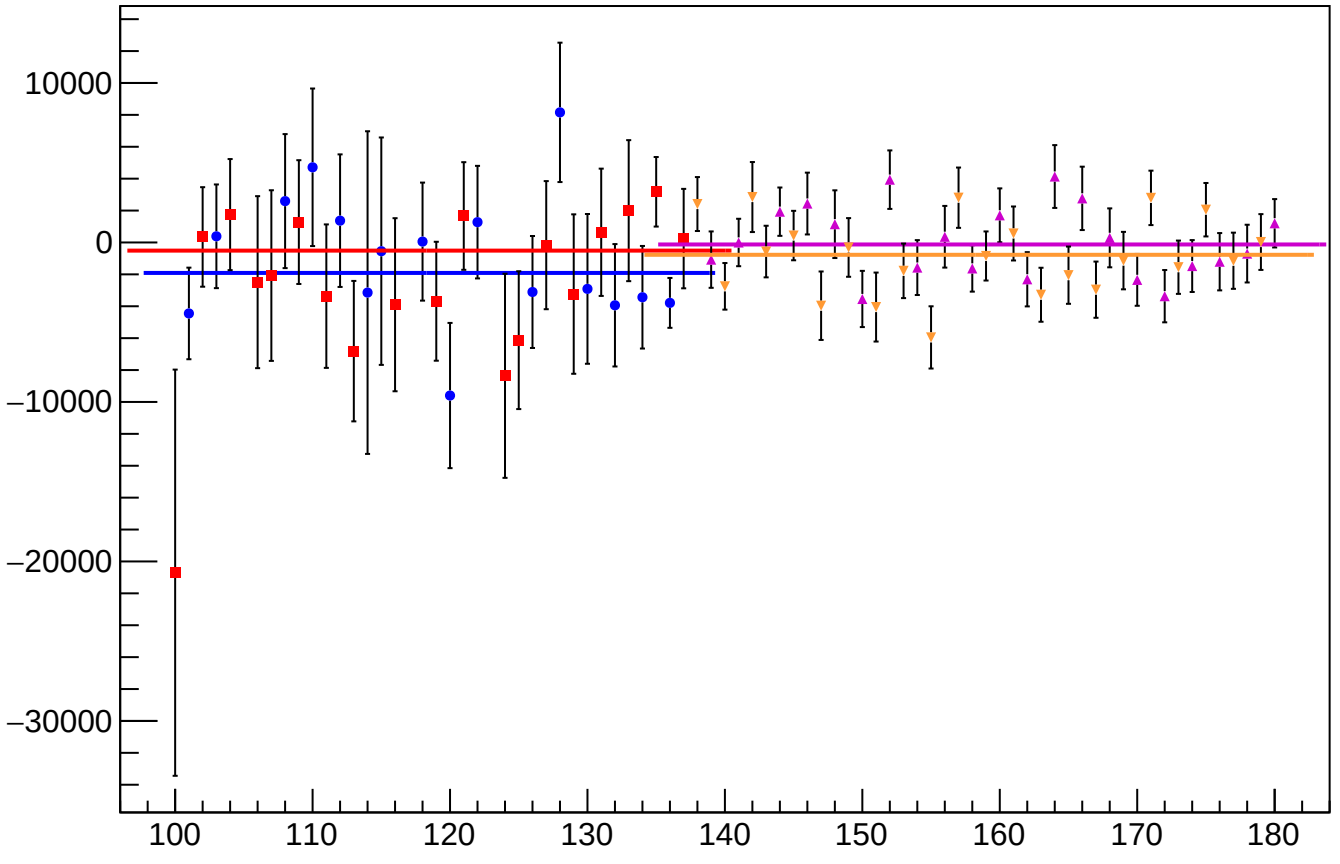
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.811+/-0.034 χ^2/NDF:176508.3/20

+ sign 199.232+/-0.028 χ^2/NDF: 365710.8/37

All: 200.117+/-0.020 χ^2/NDF: 739733.5/77

- 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: -773.488+/-372.584 χ^2/NDF:36.9/21

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

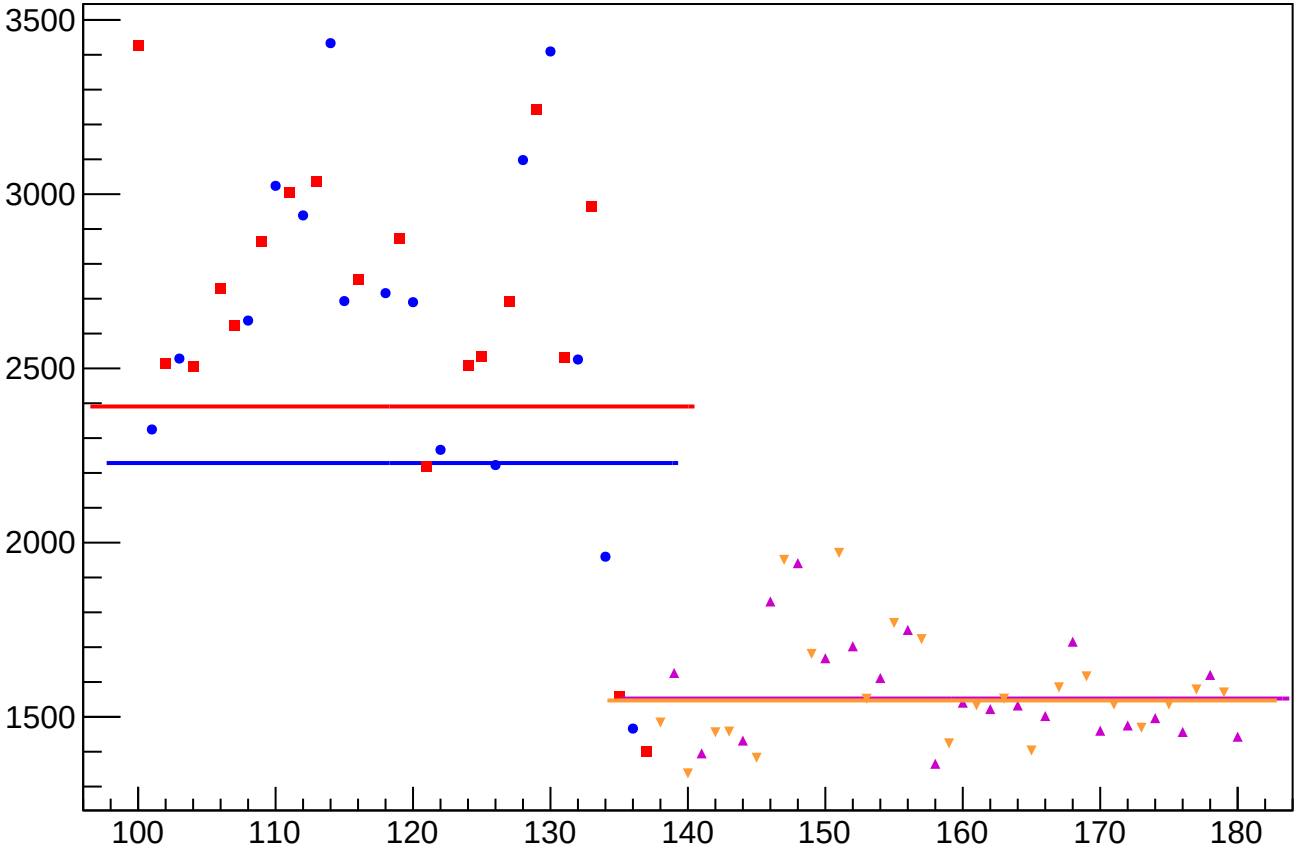
Left In: -125.996+/-376.017 χ^2/NDF:32.1/20

+ sign -953.464+/-341.821 χ^2/NDF: 54.6/37

All: -574.118+/-243.538 χ^2/NDF: 103.6/77

- 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: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

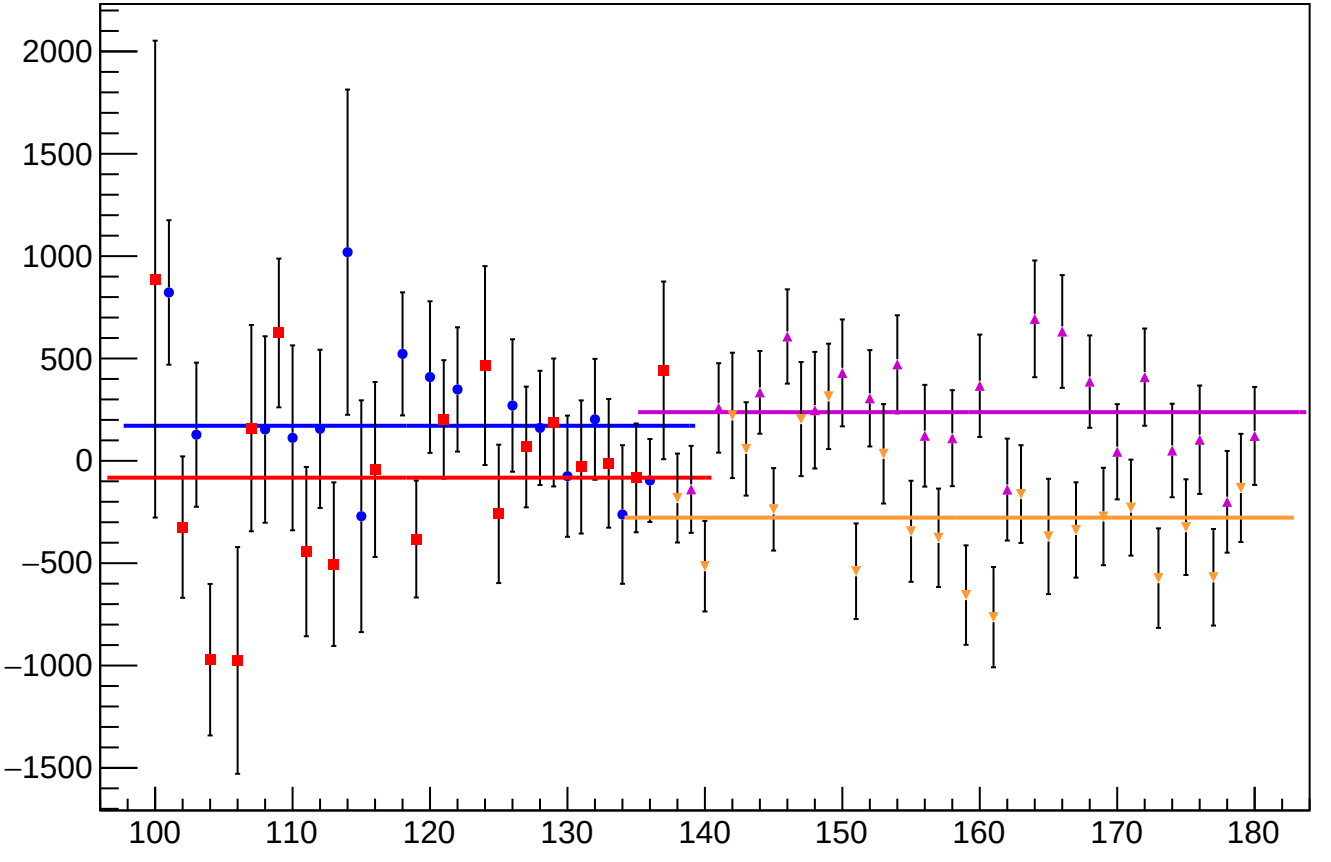
Left In: 1552.633+/-0.266 χ^2/NDF:275027.2/20

+ sign 1654.942+/-0.242 χ^2/NDF: 2319002.9/37

All: 1665.661+/-0.172 χ^2/NDF: 4859011.5/77

- 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: -277.477+/-51.386 χ^2/NDF:27.8/21

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

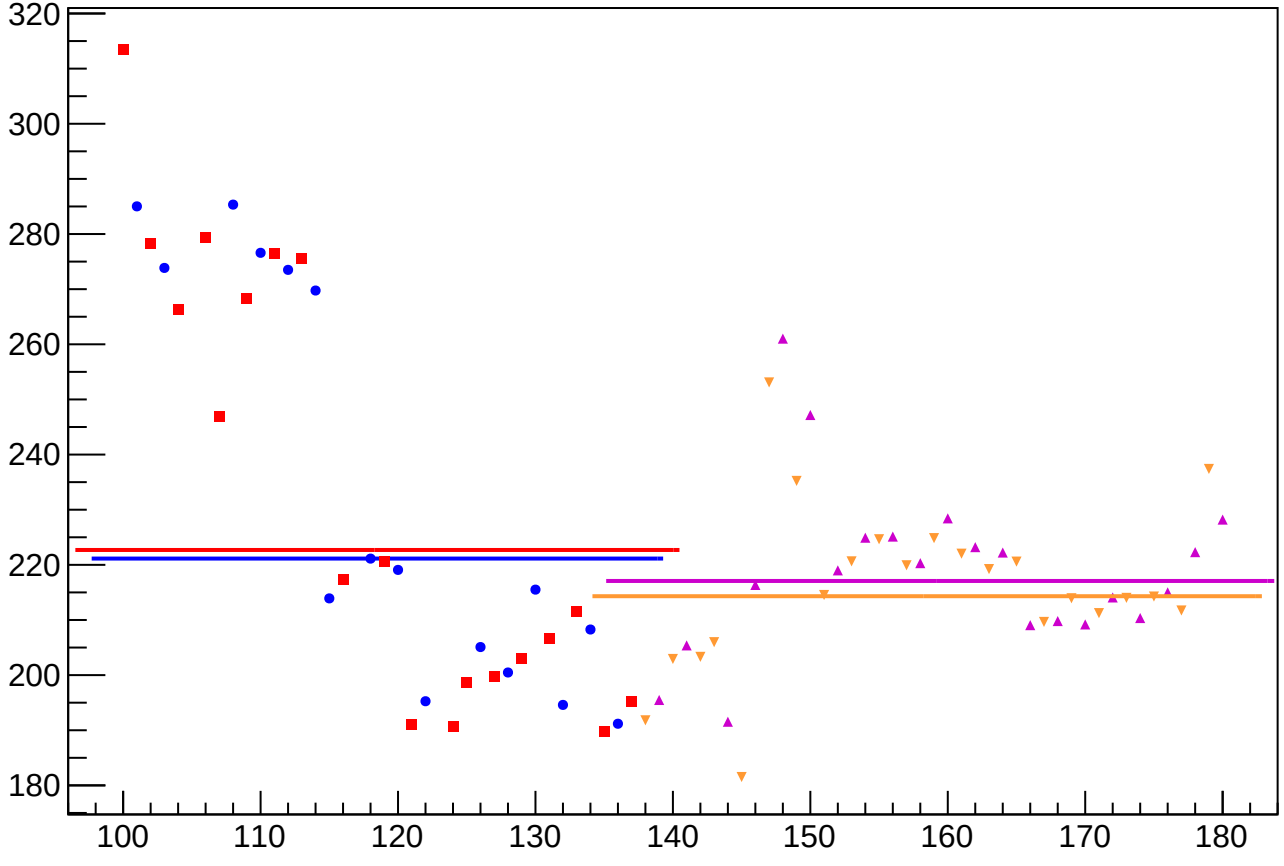
Left In: 237.813+/-52.429 χ^2/NDF:21.1/20

+ sign -153.389+/-43.707 χ^2/NDF: 60.4/37

All: -5.643+/-31.098 χ^2/NDF: 137.0/77

- 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: 214.311+/-0.036 χ^2/NDF:167136.8/21

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

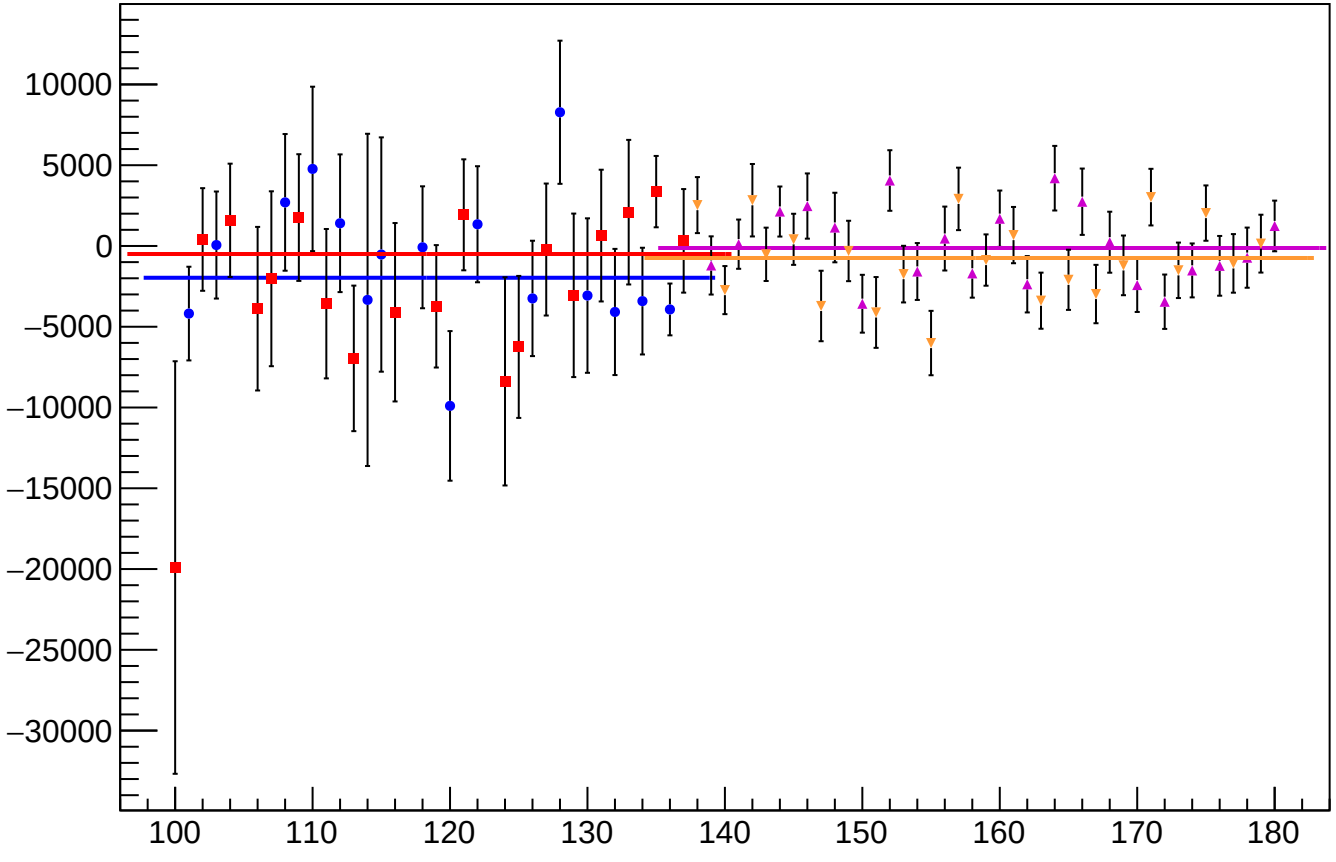
Left In: 217.077+/-0.037 χ^2/NDF:156651.2/20

+ sign 216.199+/-0.031 χ^2/NDF: 495603.6/37

All: 217.430+/-0.022 χ^2/NDF: 989107.3/77

- 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: -743.891+/-381.675 χ^2/NDF:36.4/21

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

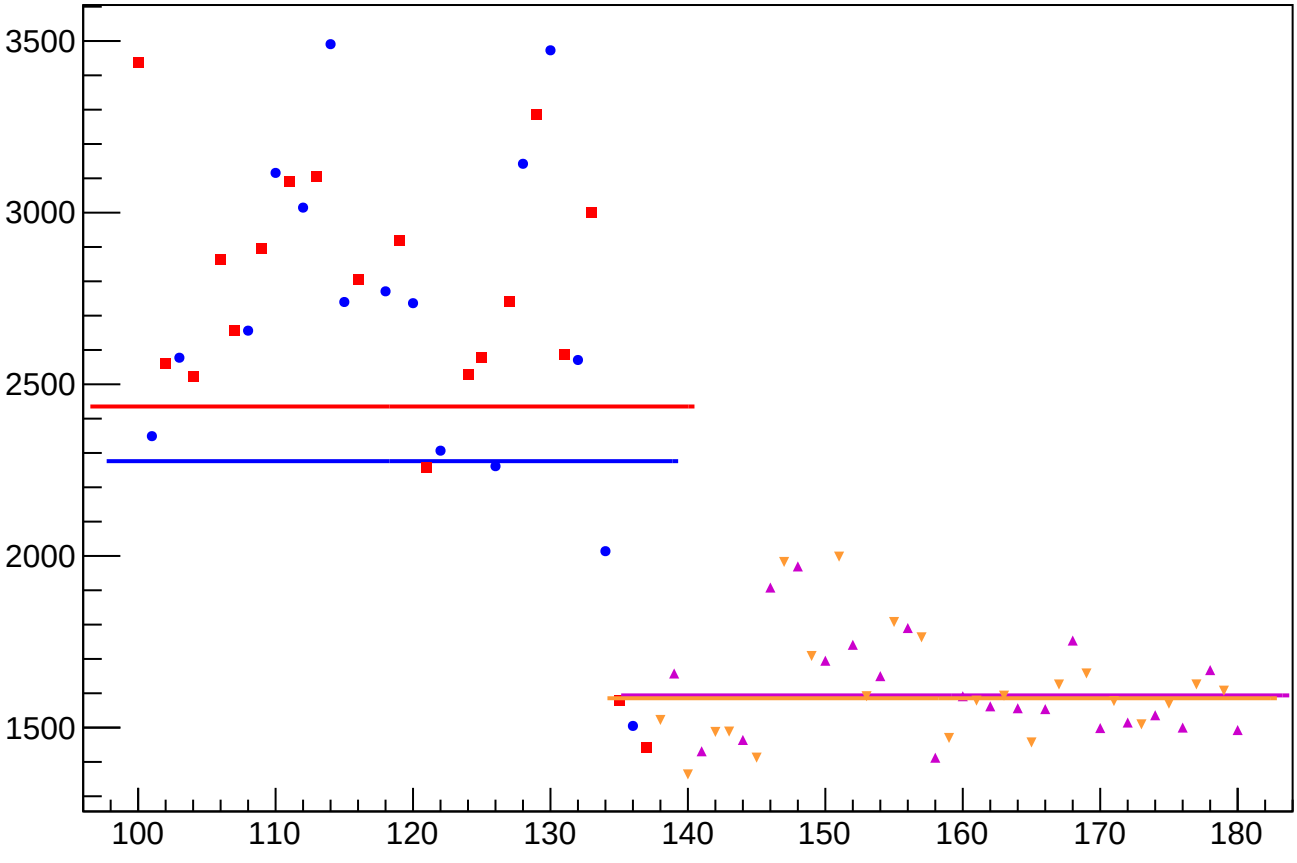
Left In: -125.257+/-385.879 χ^2/NDF:32.1/20

+ sign -938.874+/-349.944 χ^2/NDF: 54.2/37

All: -566.173+/-249.403 χ^2/NDF: 103.6/77

- 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: 1585.485+/-0.270 χ^2/NDF:298919.5/21

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

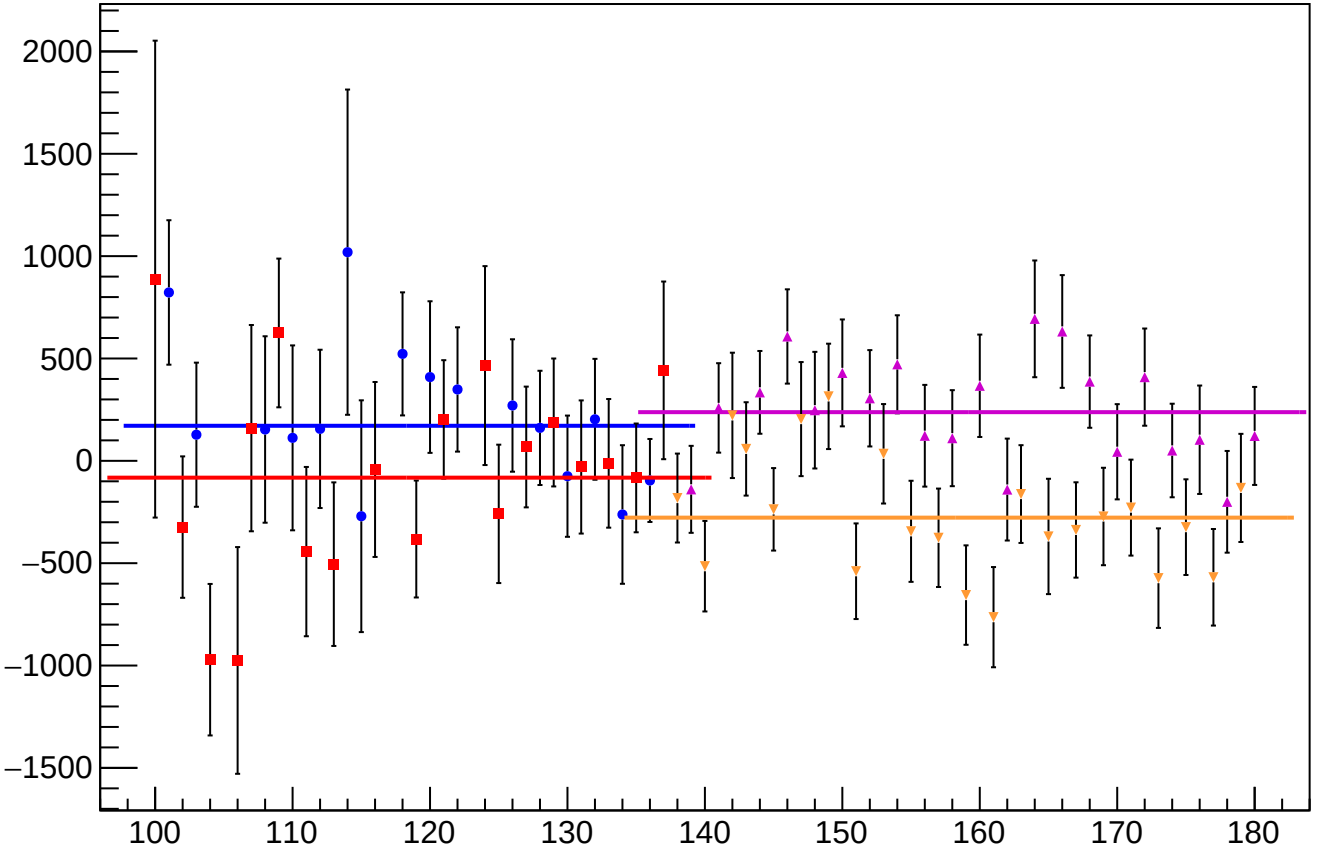
Left In: 1593.810+/-0.273 χ^2/NDF:264485.3/20

+ sign 1695.548+/-0.247 χ^2/NDF: 2269520.4/37

All: 1708.042+/-0.176 χ^2/NDF: 4767662.6/77

- 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: -277.480+/-51.386 χ^2/NDF:27.8/21

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

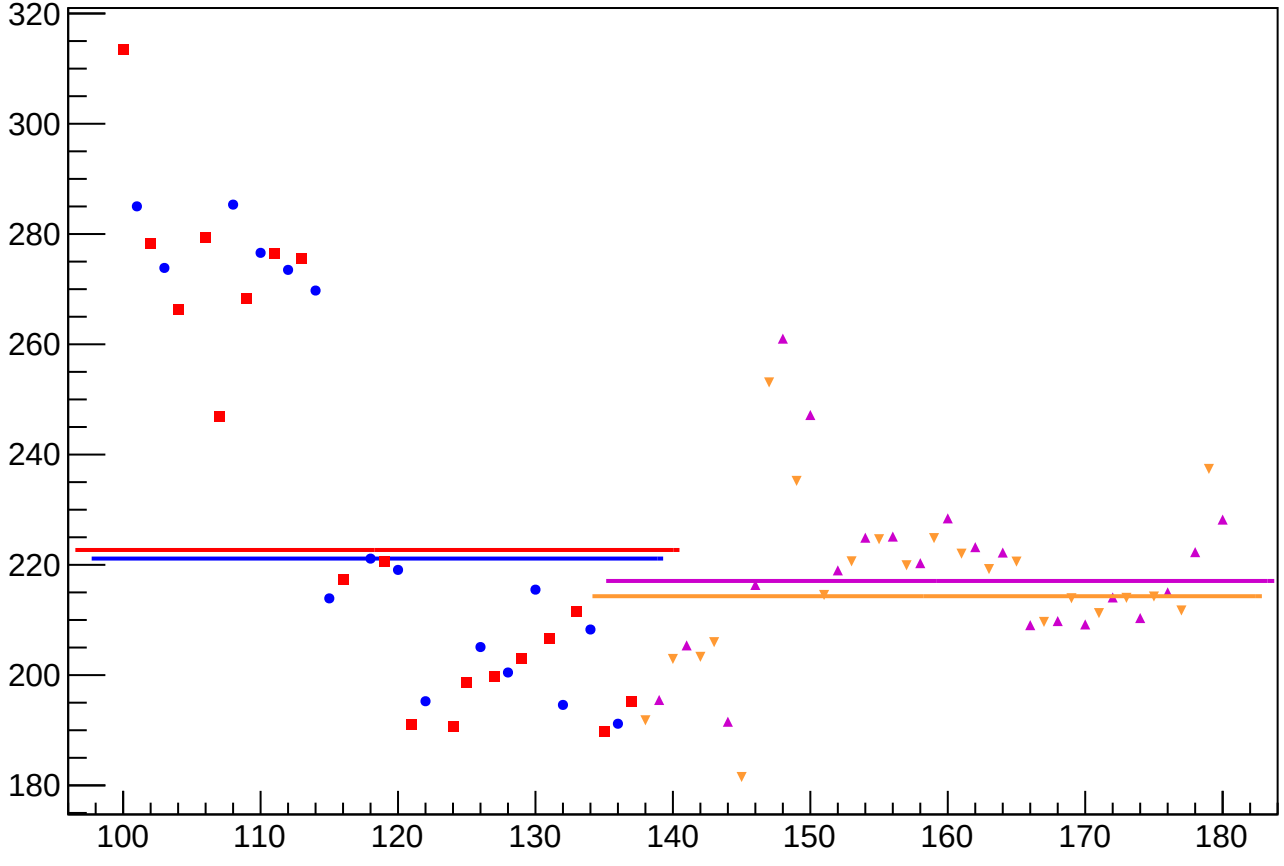
Left In: 237.814+/-52.428 χ^2/NDF:21.1/20

+ sign -153.389+/-43.707 χ^2/NDF: 60.4/37

All: -5.642+/-31.098 χ^2/NDF: 137.0/77

- 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: 214.311+/-0.036 χ^2/NDF:167141.0/21

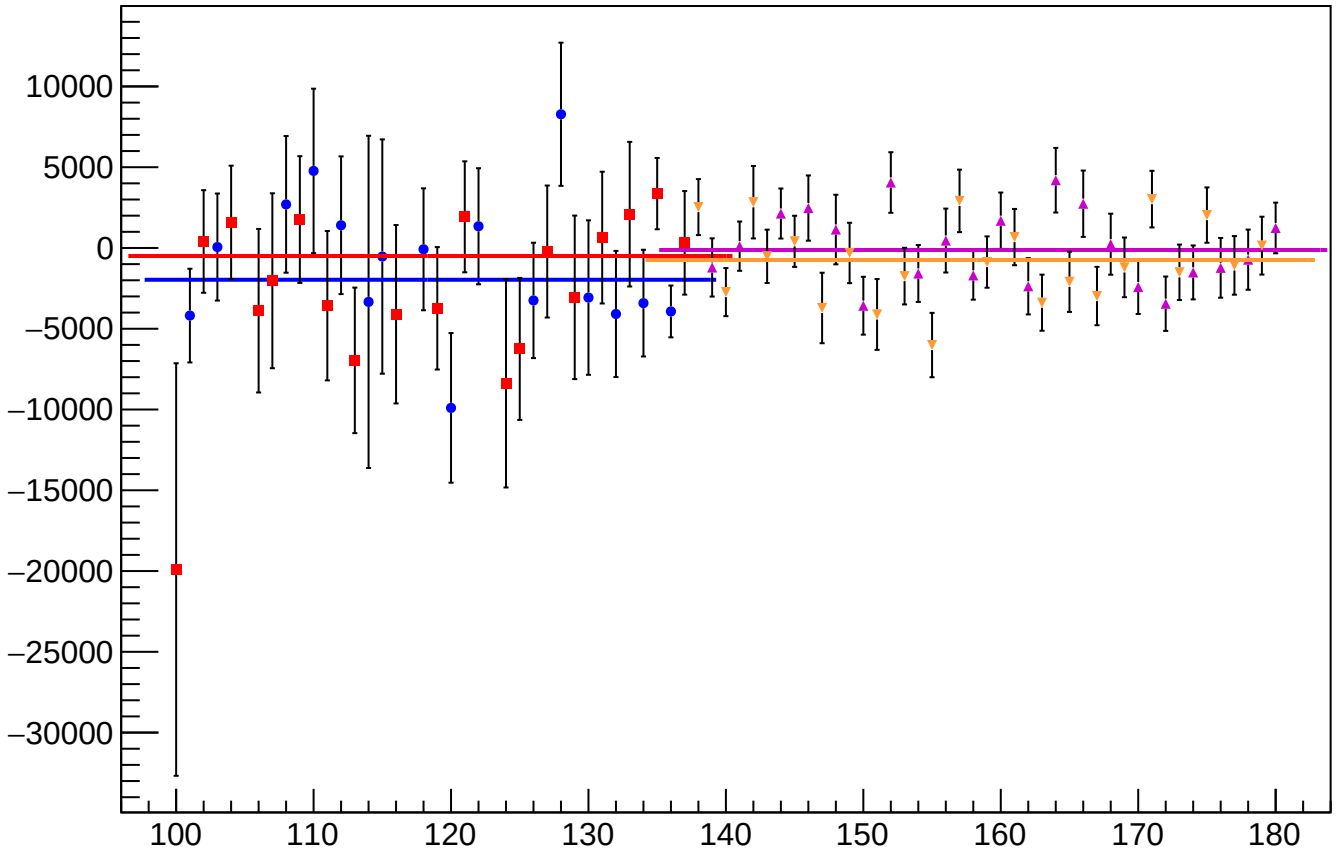
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.077+/-0.037 χ^2/NDF:156653.8/20

+ sign 216.199+/-0.031 χ^2/NDF: 495599.6/37

All: 217.430+/-0.022 χ^2/NDF: 989097.3/77

- 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: -743.892+/-381.675 χ^2/NDF:36.4/21

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

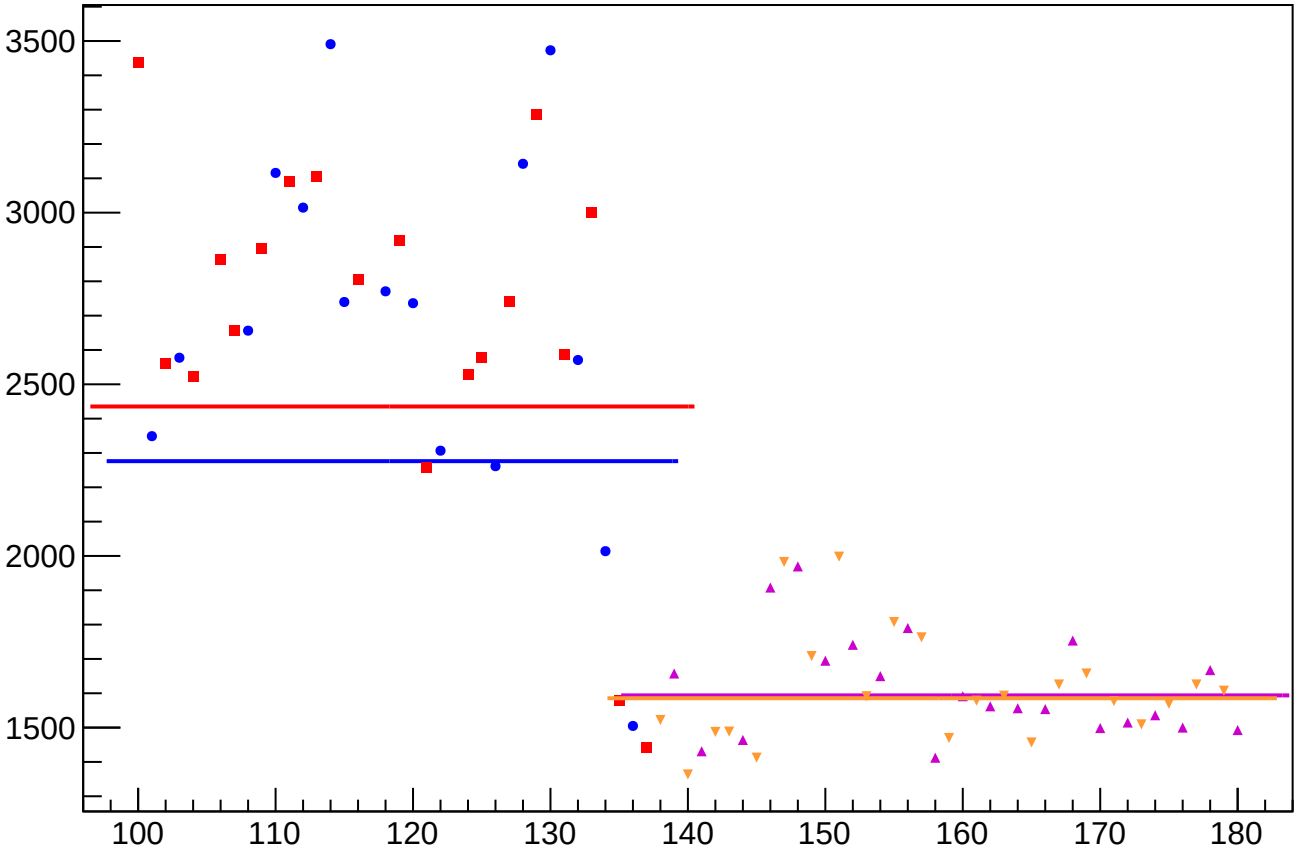
Left In: -125.258+/-385.879 χ^2/NDF:32.1/20

+ sign -938.875+/-349.944 χ^2/NDF: 54.2/37

All: -566.173+/-249.403 χ^2/NDF: 103.6/77

- 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: 1585.485+/-0.270 χ^2/NDF:298922.3/21

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

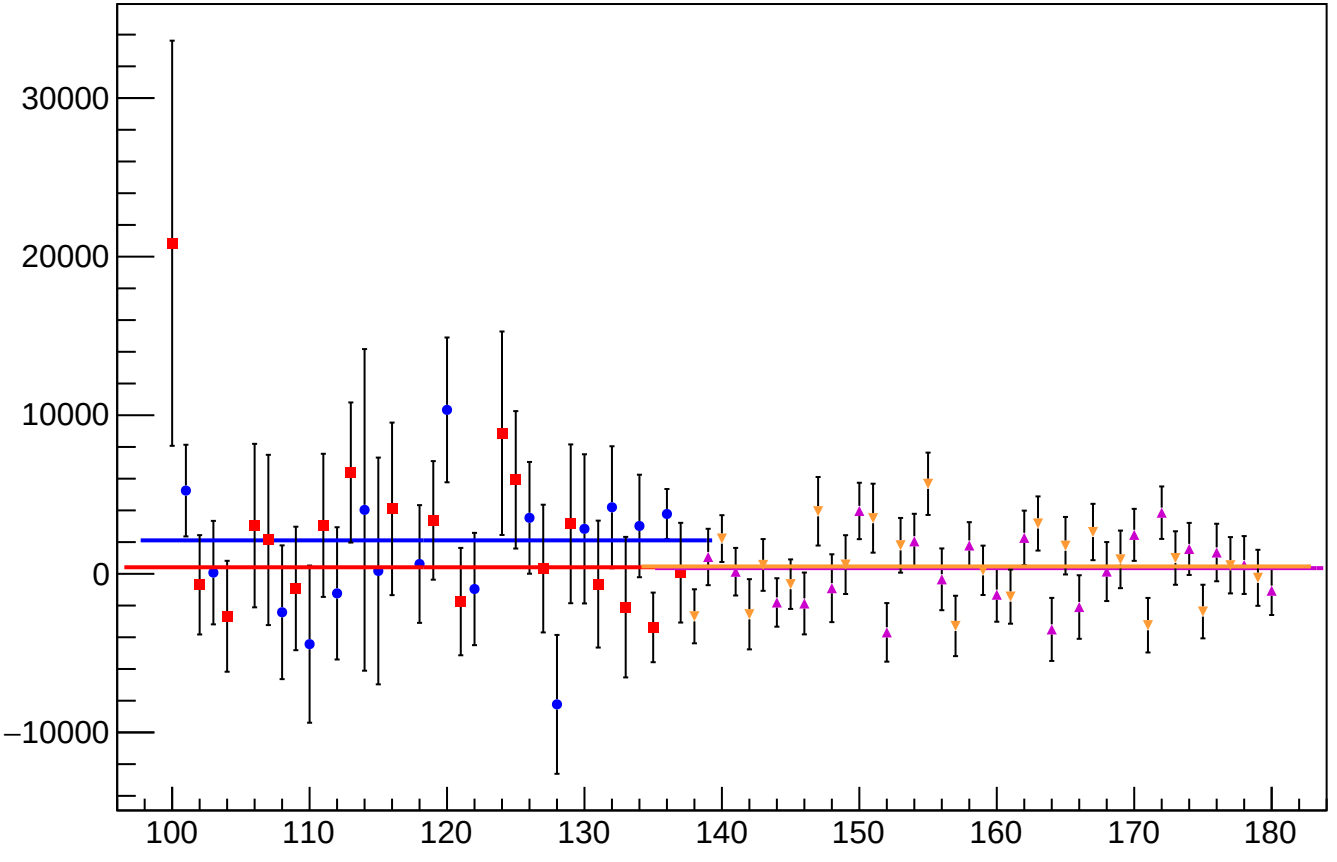
Left In: 1593.811+/-0.273 χ^2/NDF:264486.4/20

+ sign 1695.549+/-0.247 χ^2/NDF: 2269506.8/37

All: 1708.042+/-0.176 χ^2/NDF: 4767634.8/77

- 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: 466.094+/-375.763 χ^2/NDF:36.9/21

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

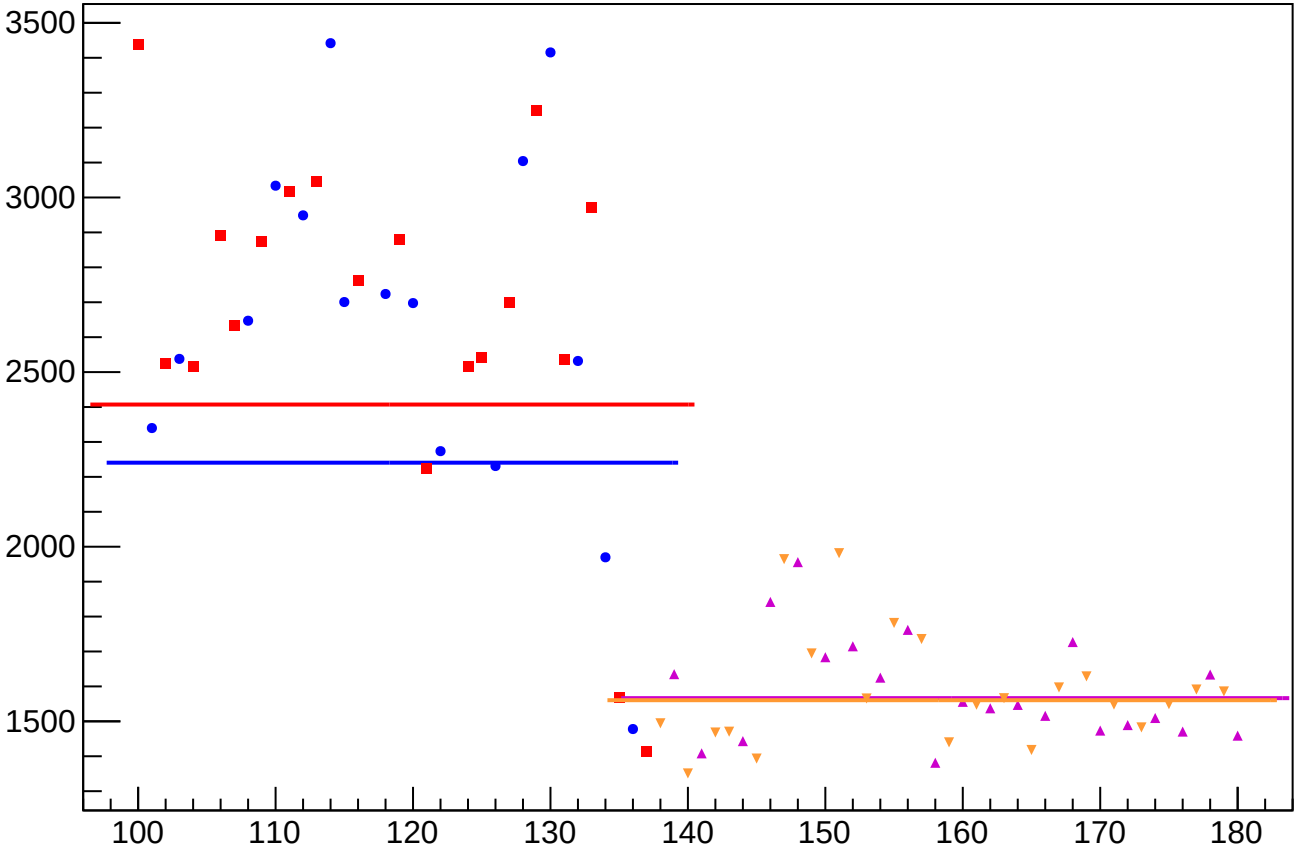
Left In: 358.947+/-379.295 χ^2/NDF:30.1/20

\+ sign 727.864+/-344.540 χ^2/NDF: 56.5/37

All: 550.251+/-245.458 χ^2/NDF: 101.8/77

\- 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: 1560.507+/-0.266 χ^2/NDF:307119.4/21

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

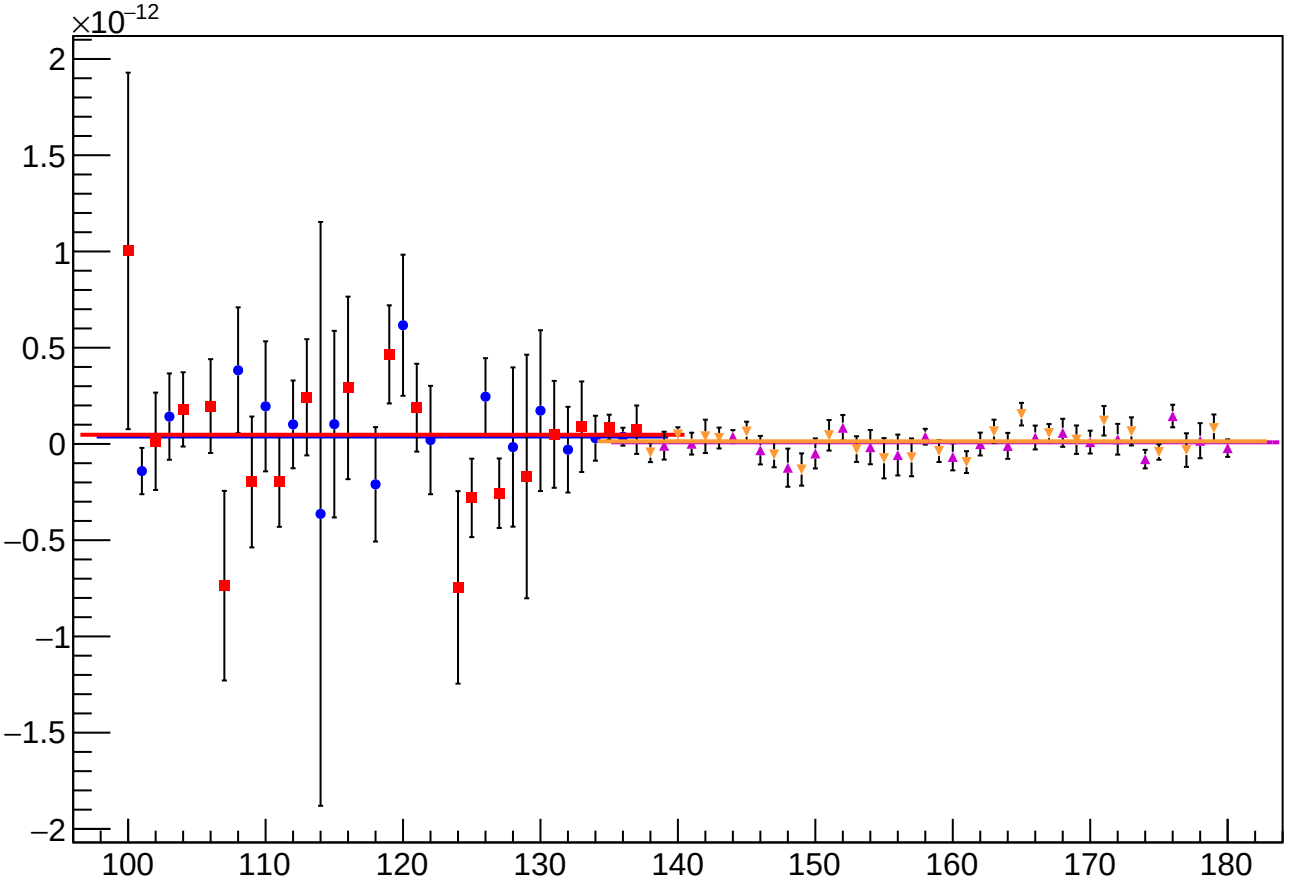
Left In: 1566.402+/-0.268 χ^2/NDF:268466.9/20

+ sign 1668.837+/-0.244 χ^2/NDF: 2284315.7/37

All: 1680.319+/-0.174 χ^2/NDF: 4815997.4/77

- sign 1692.152+/-0.247 χ^2/NDF: 2527171.6/39

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

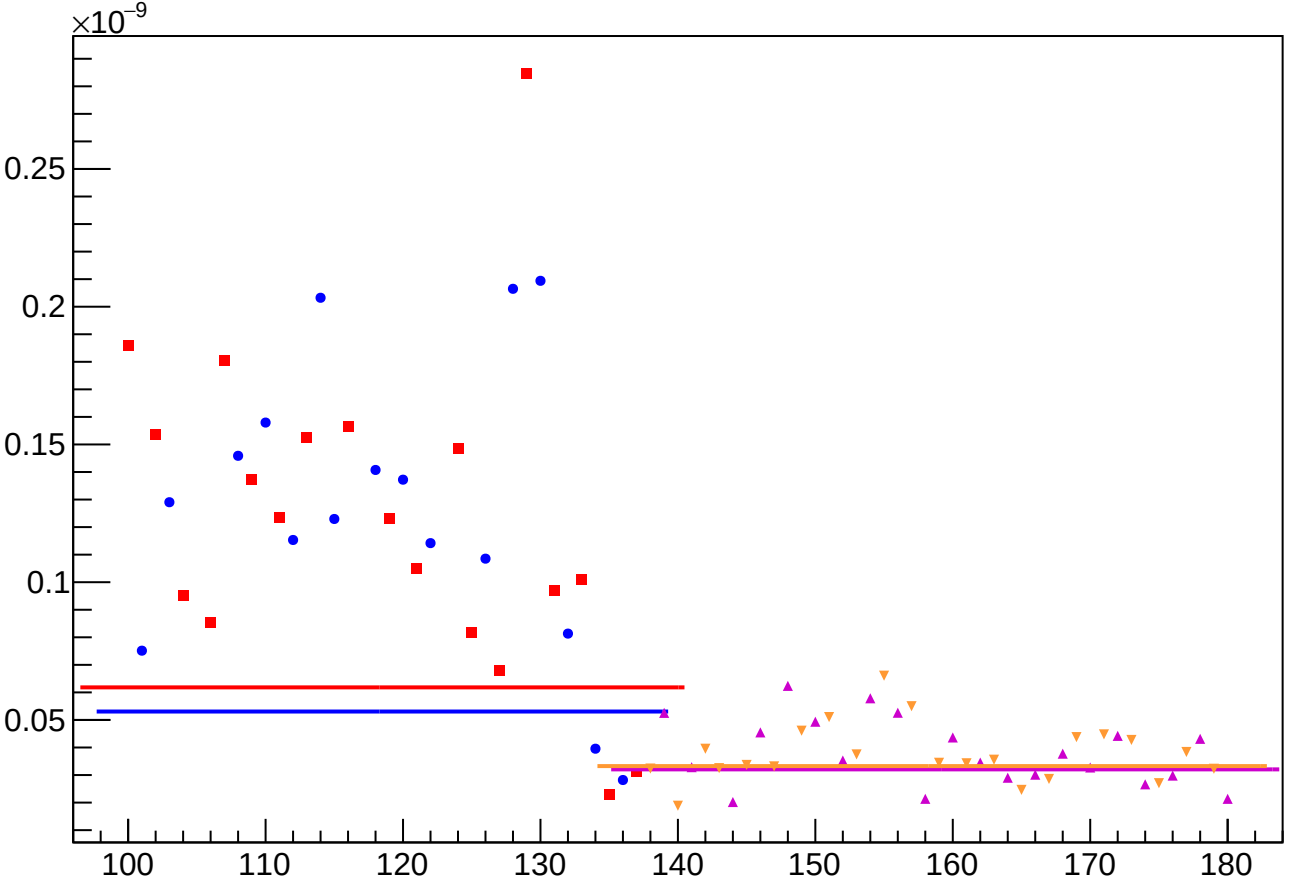
Left In: 0.000+/-0.000 χ^2/NDF:16.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/37

All: 0.000+/-0.000 χ^2/NDF: 71.5/77

- sign 0.000+/-0.000 χ^2/NDF: 35.8/39

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:998817.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

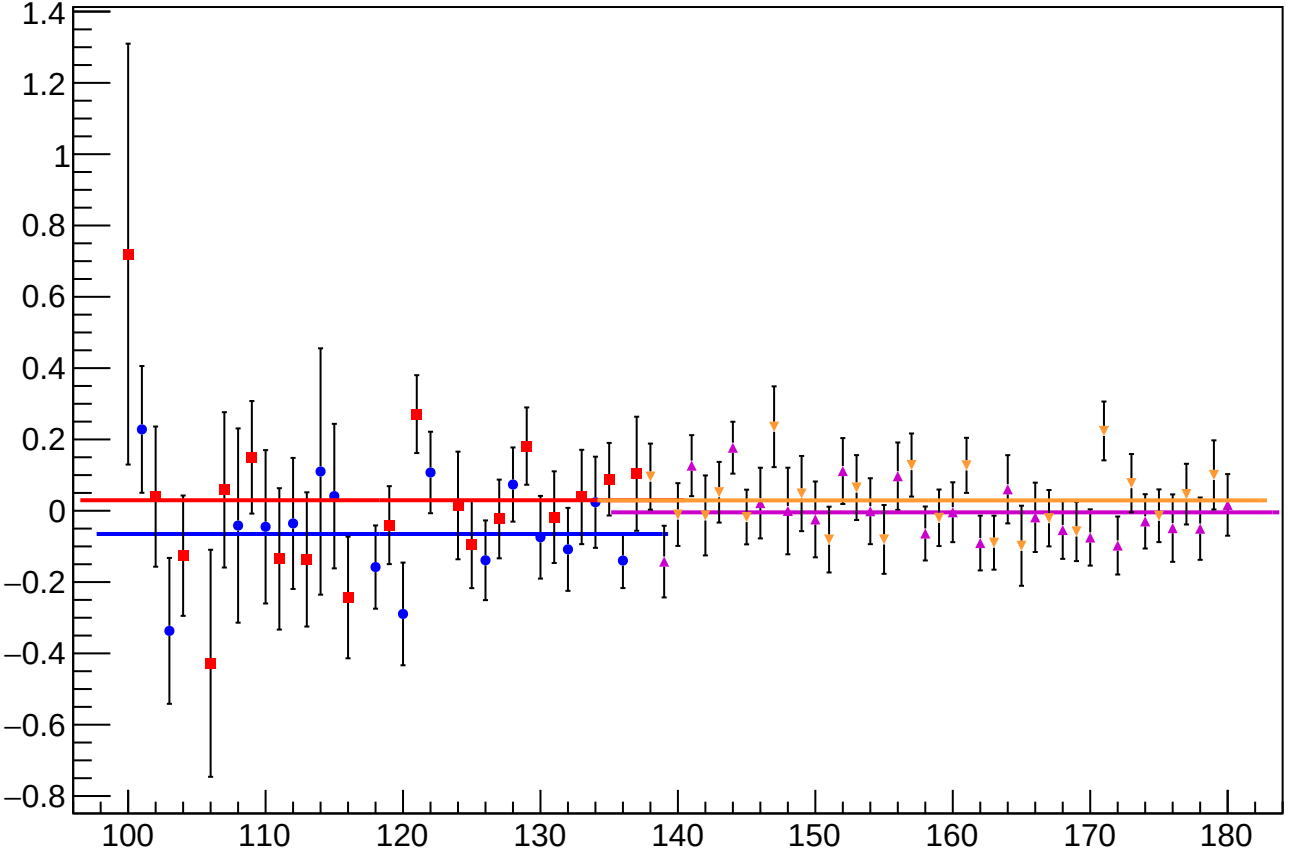
Left In: 0.000+/-0.000 χ^2/NDF:1430352.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 4102833.7/37

All: 0.000+/-0.000 χ^2/NDF: 8817912.9/77

- 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: 0.029+/-0.019 χ^2/NDF:22.9/21

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

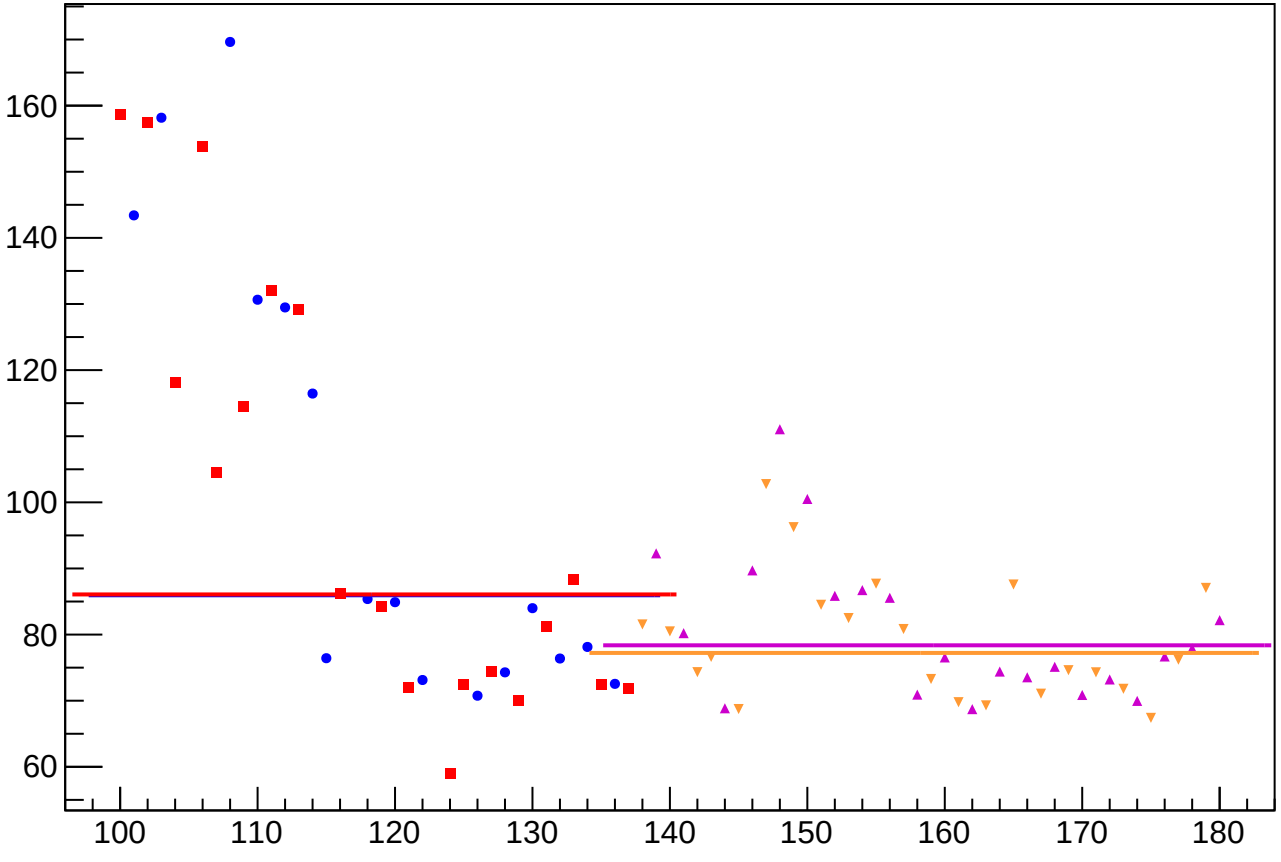
Left In: -0.004+/-0.019 χ^2/NDF:18.8/20

+ sign 0.007+/-0.016 χ^2/NDF: 43.1/37

All: 0.005+/-0.012 χ^2/NDF: 80.8/77

- 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: 77.227+/-0.013 χ^2/NDF:390005.0/21

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

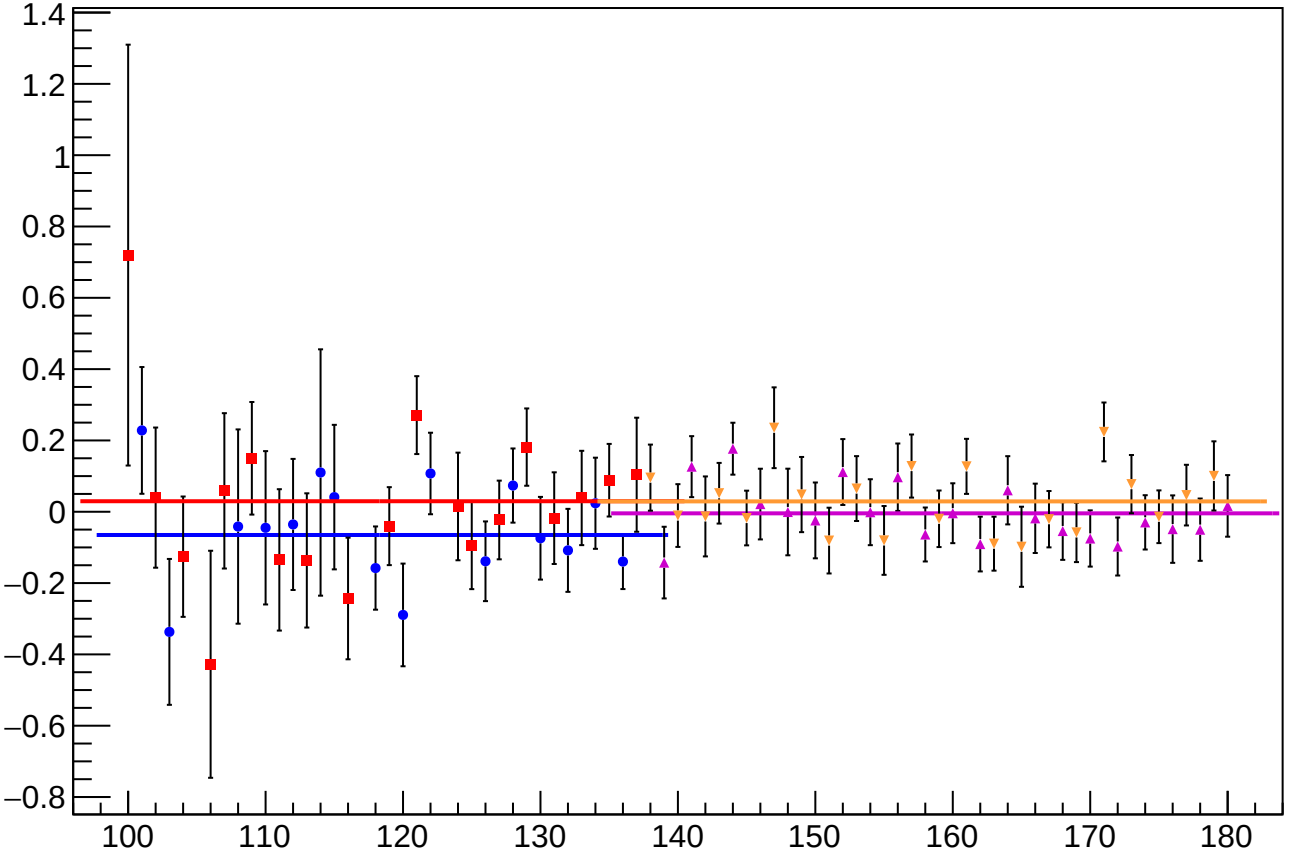
Left In: 78.378+/-0.014 χ^2/NDF:490783.8/20

+ sign 79.303+/-0.011 χ^2/NDF: 1529422.0/37

All: 79.799+/-0.008 χ^2/NDF: 3096965.3/77

- 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: 0.029+/-0.019 χ^2/NDF:22.9/21

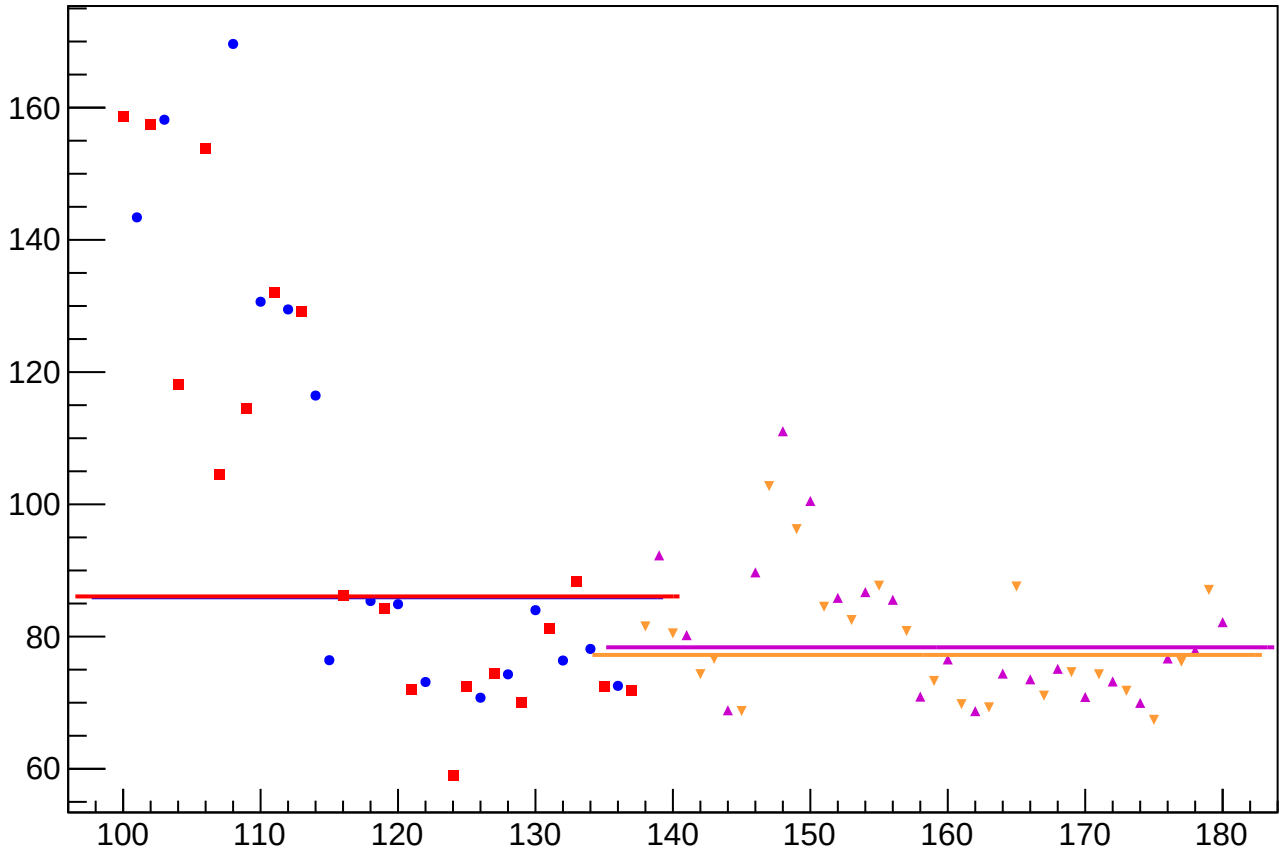
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.8/20

+ sign 0.007+/-0.016 χ^2/NDF: 43.1/37

All: 0.005+/-0.012 χ^2/NDF: 80.8/77

- 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: 77.227+/-0.013 χ^2/NDF:390005.0/21

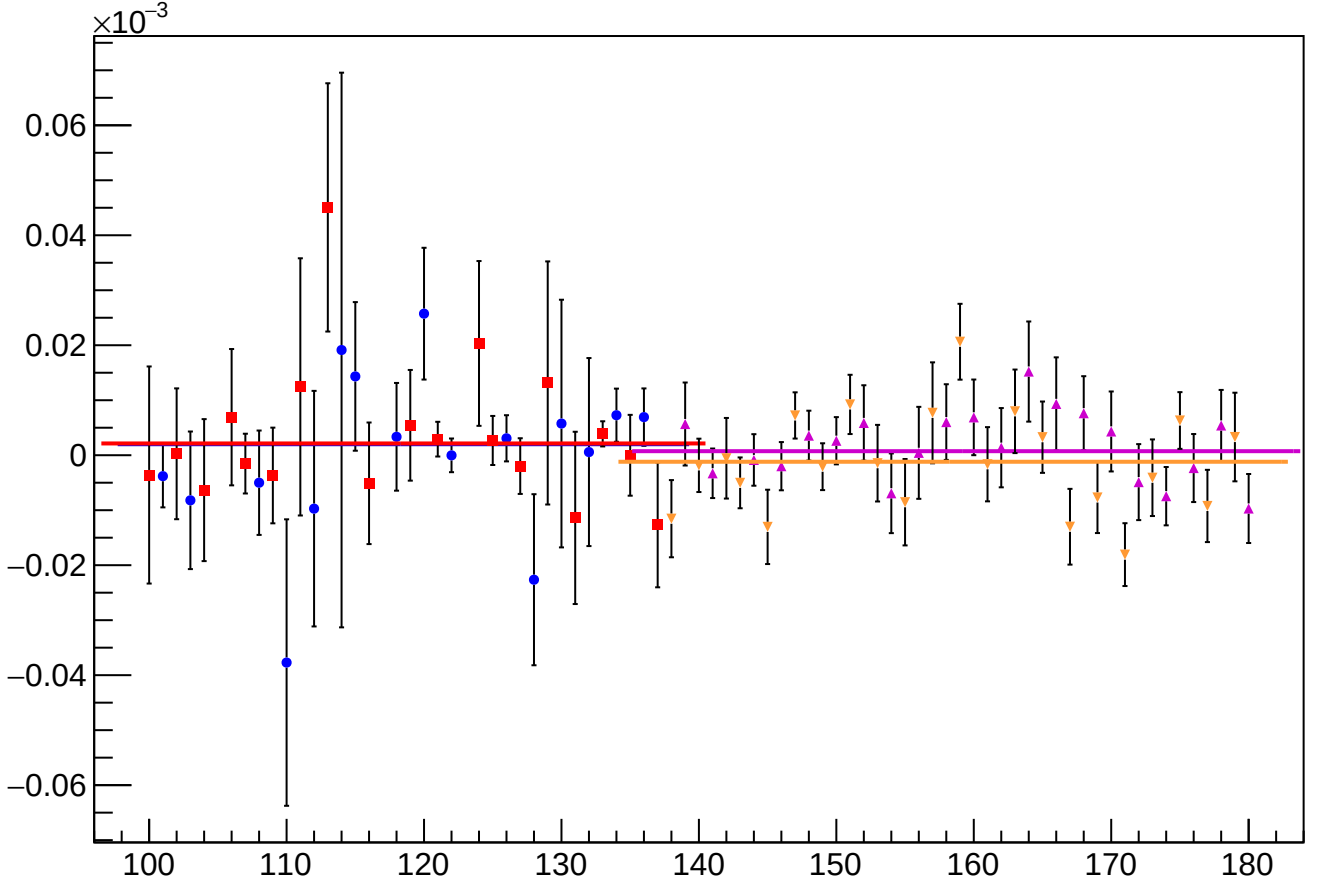
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.378+/-0.014 χ^2/NDF:490783.8/20

+ sign 79.303+/-0.011 χ^2/NDF: 1529422.0/37

All: 79.799+/-0.008 χ^2/NDF: 3096965.3/77

- 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:44.3/21

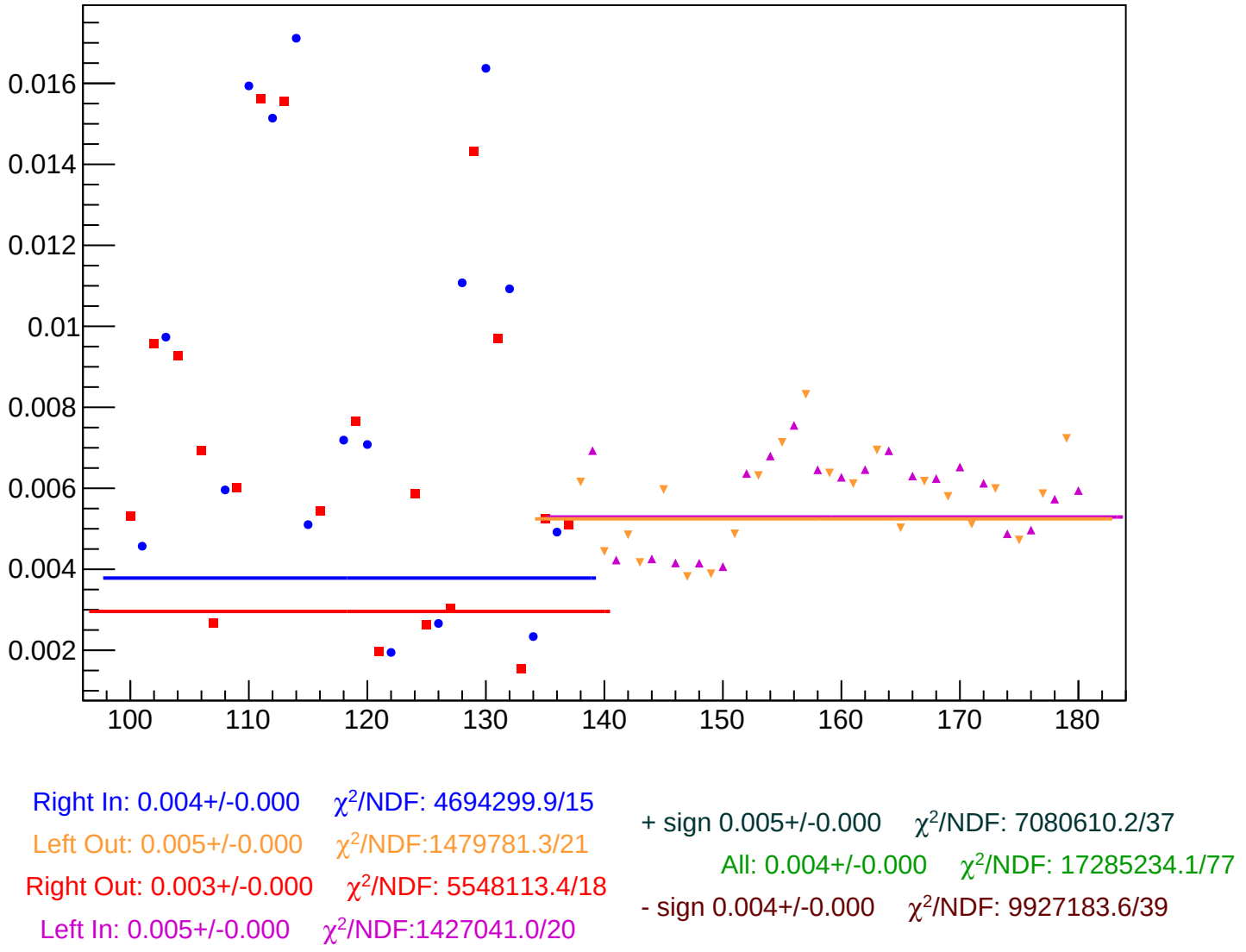
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

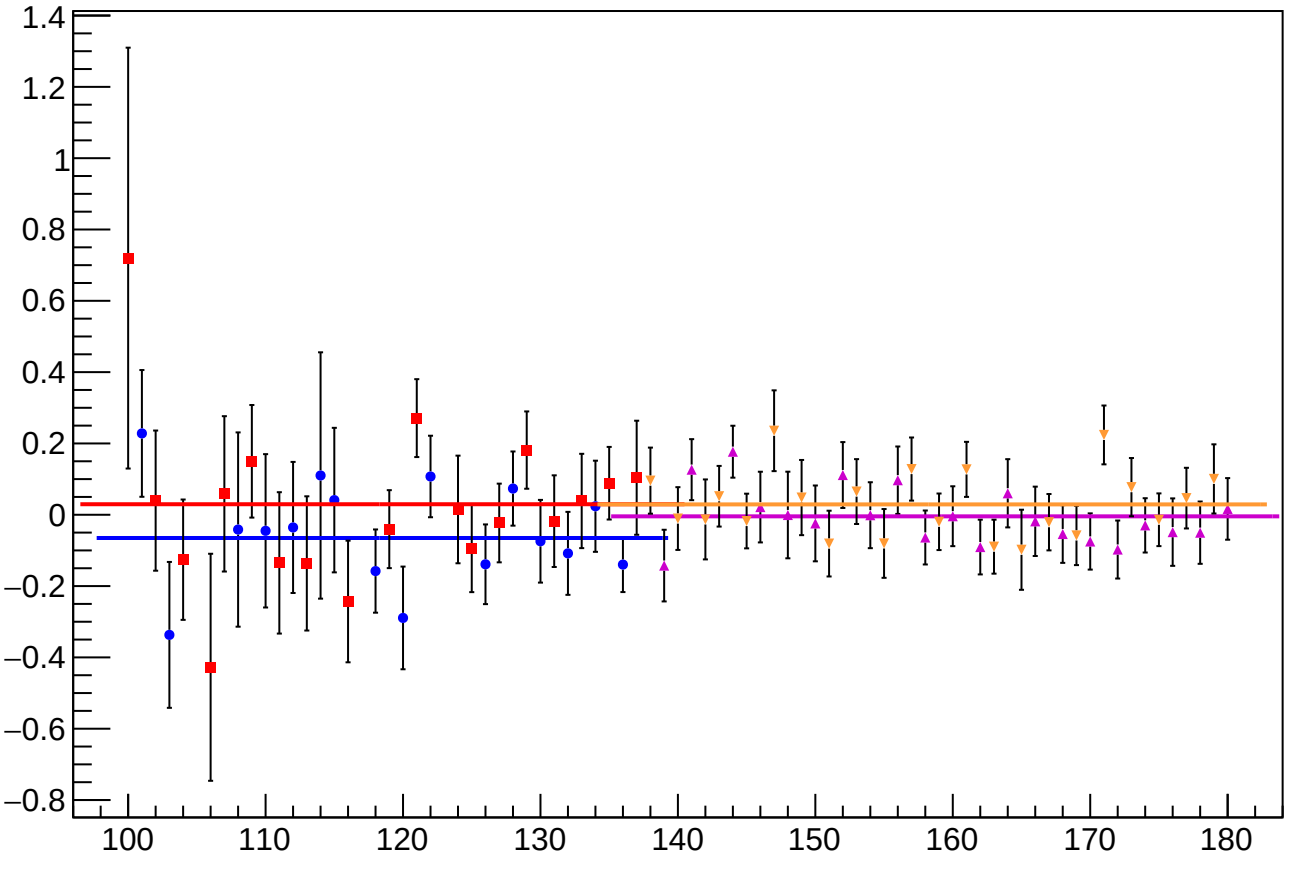
Left In: 0.000+/-0.000 χ^2/NDF:16.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 61.4/37

All: 0.000+/-0.000 χ^2/NDF: 91.3/77

- sign 0.000+/-0.000 χ^2/NDF: 28.9/39


asym_sam_26_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
100
110
120
130
140
150
160
170
180
Right In: 0.004+/-0.000 χ²/NDF: 4694299.9/15
Left Out: 0.005+/-0.000 χ²/NDF:1479781.3/21
Right Out: 0.003+/-0.000 χ²/NDF: 5548113.4/18
Left In: 0.005+/-0.000 χ²/NDF:1427041.0/20
+ sign 0.005+/-0.000 χ²/NDF: 7080610.2/37
All: 0.004+/-0.000 χ²/NDF: 17285234.1/77
- sign 0.004+/-0.000 χ²/NDF: 9927183.6/39



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

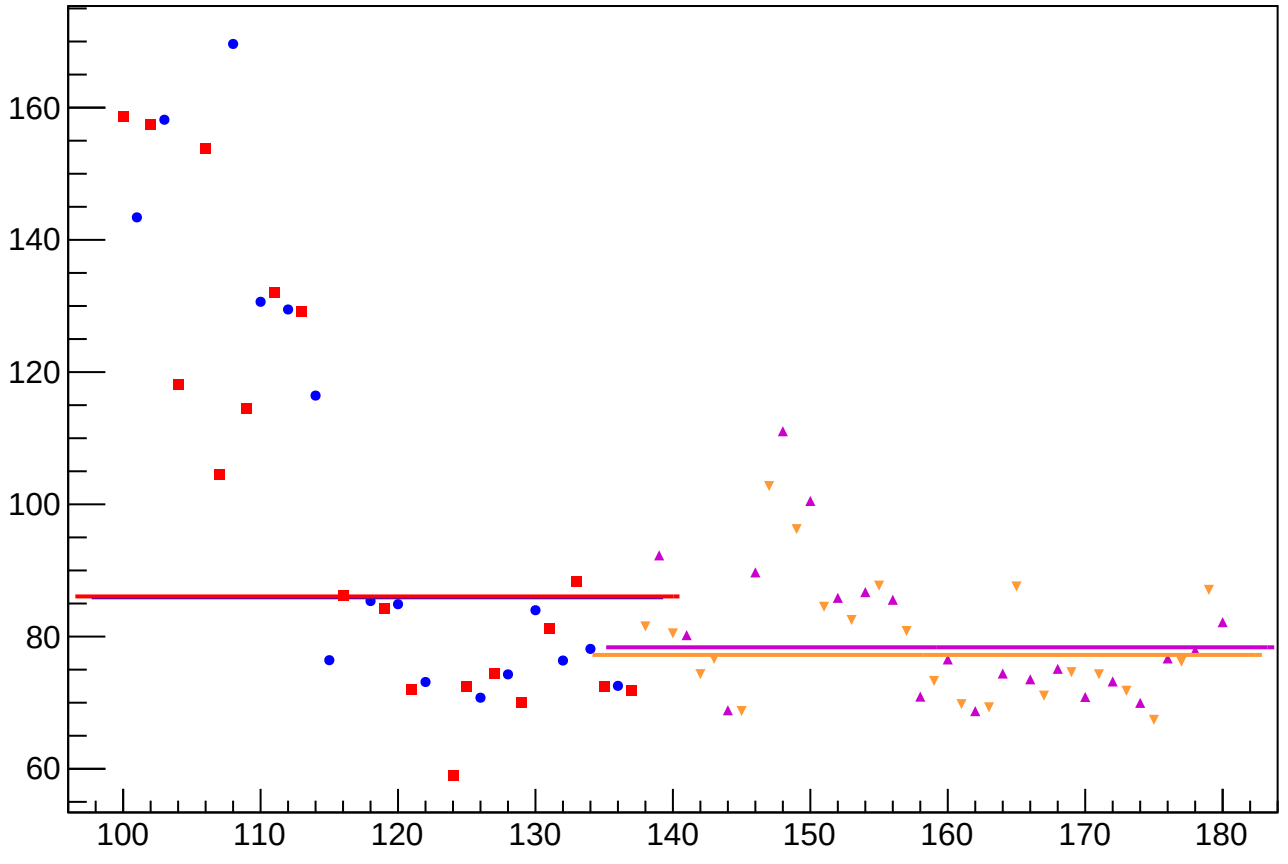
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.8/20

+ sign 0.007+/-0.016 χ^2/NDF: 43.1/37

All: 0.005+/-0.012 χ^2/NDF: 80.8/77

- 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: 77.226+/-0.013 χ^2/NDF:390044.6/21

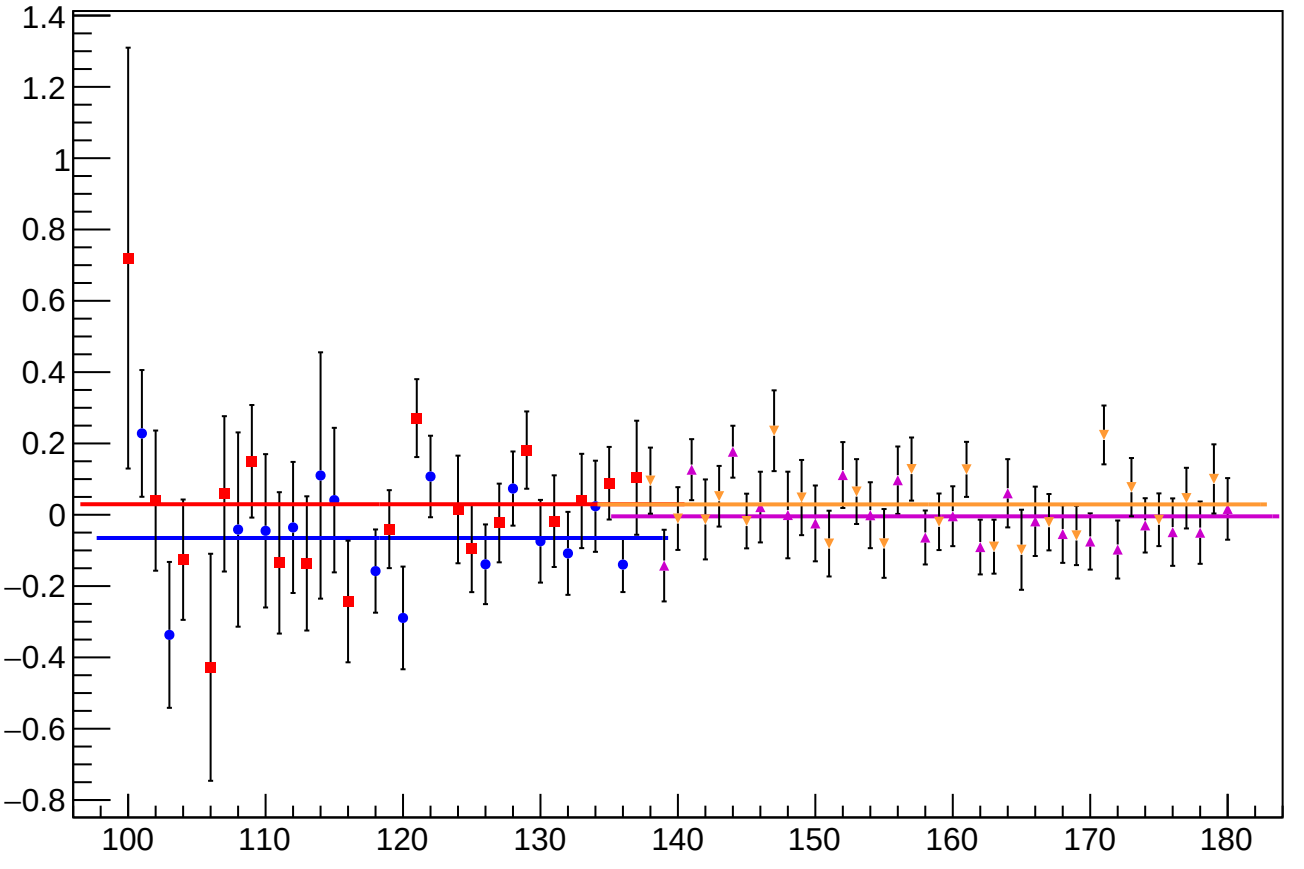
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.378+/-0.013 χ^2/NDF:490822.5/20

+ sign 79.302+/-0.011 χ^2/NDF: 1529398.6/37

All: 79.798+/-0.008 χ^2/NDF: 3096945.1/77

- 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: 0.029+/-0.019 χ^2/NDF:22.9/21

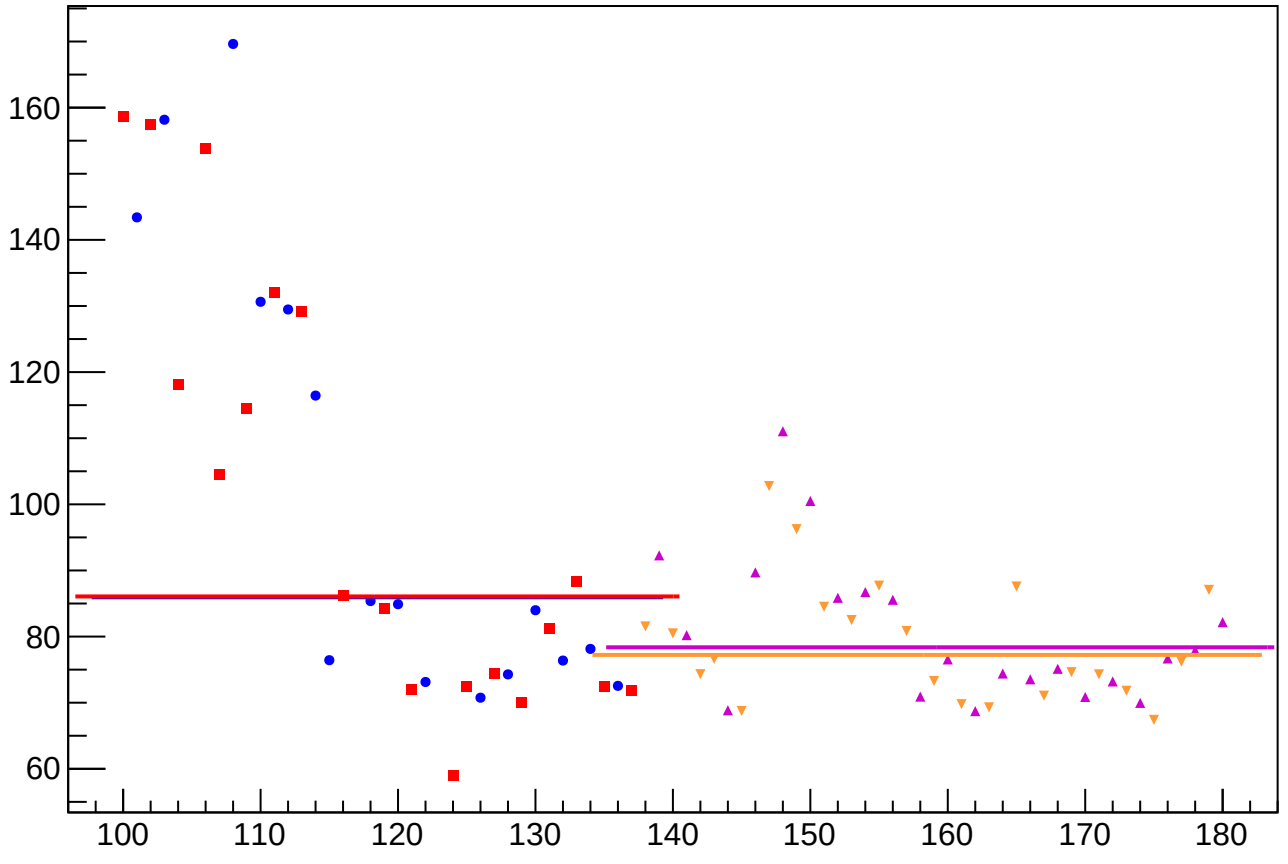
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.004+/-0.019 χ^2/NDF:18.8/20

+ sign 0.007+/-0.016 χ^2/NDF: 43.1/37

All: 0.005+/-0.012 χ^2/NDF: 80.8/77

- 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: 77.226+/-0.013 χ^2/NDF:390044.6/21

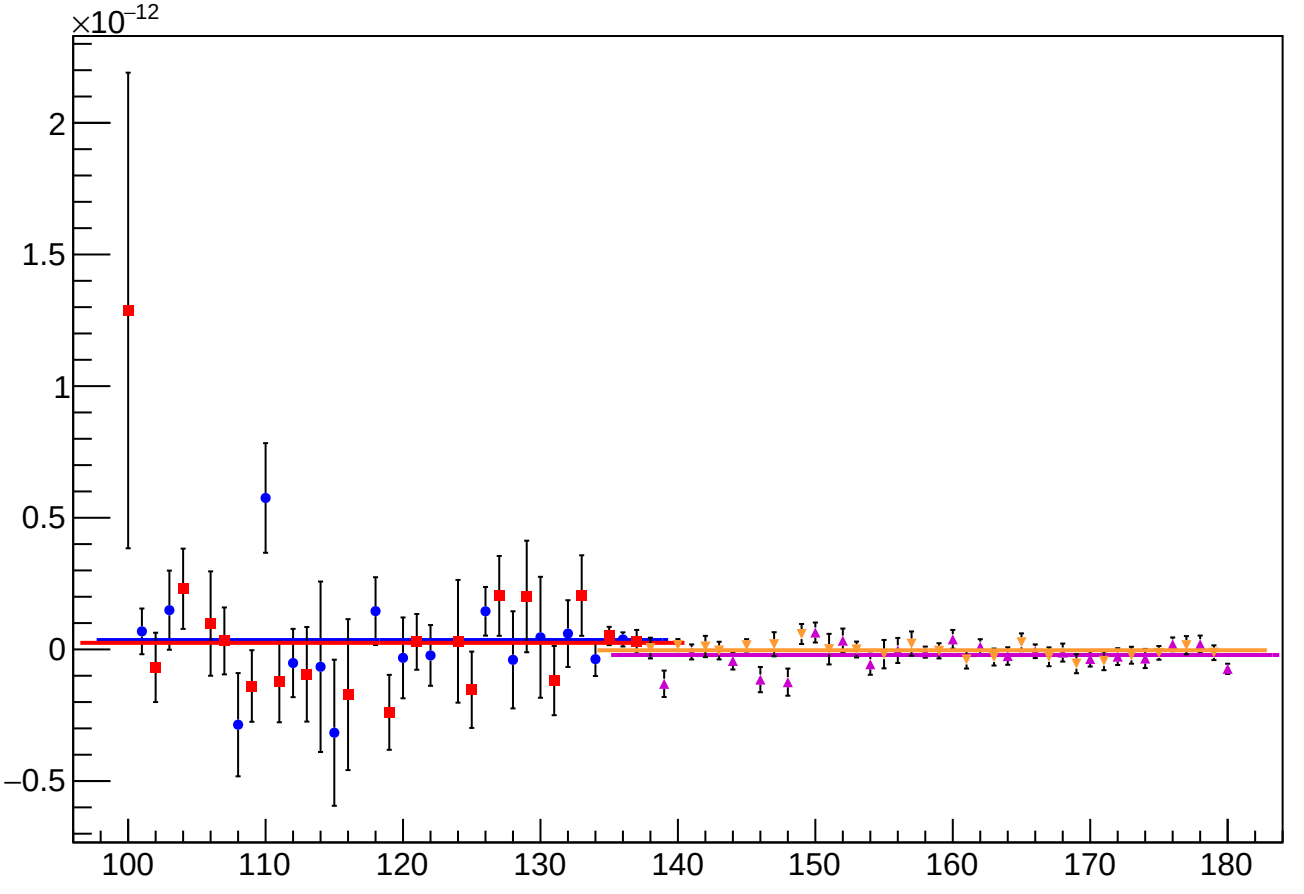
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.378+/-0.013 χ^2/NDF:490822.5/20

+ sign 79.302+/-0.011 χ^2/NDF: 1529398.6/37

All: 79.798+/-0.008 χ^2/NDF: 3096945.1/77

- 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:11.9/21

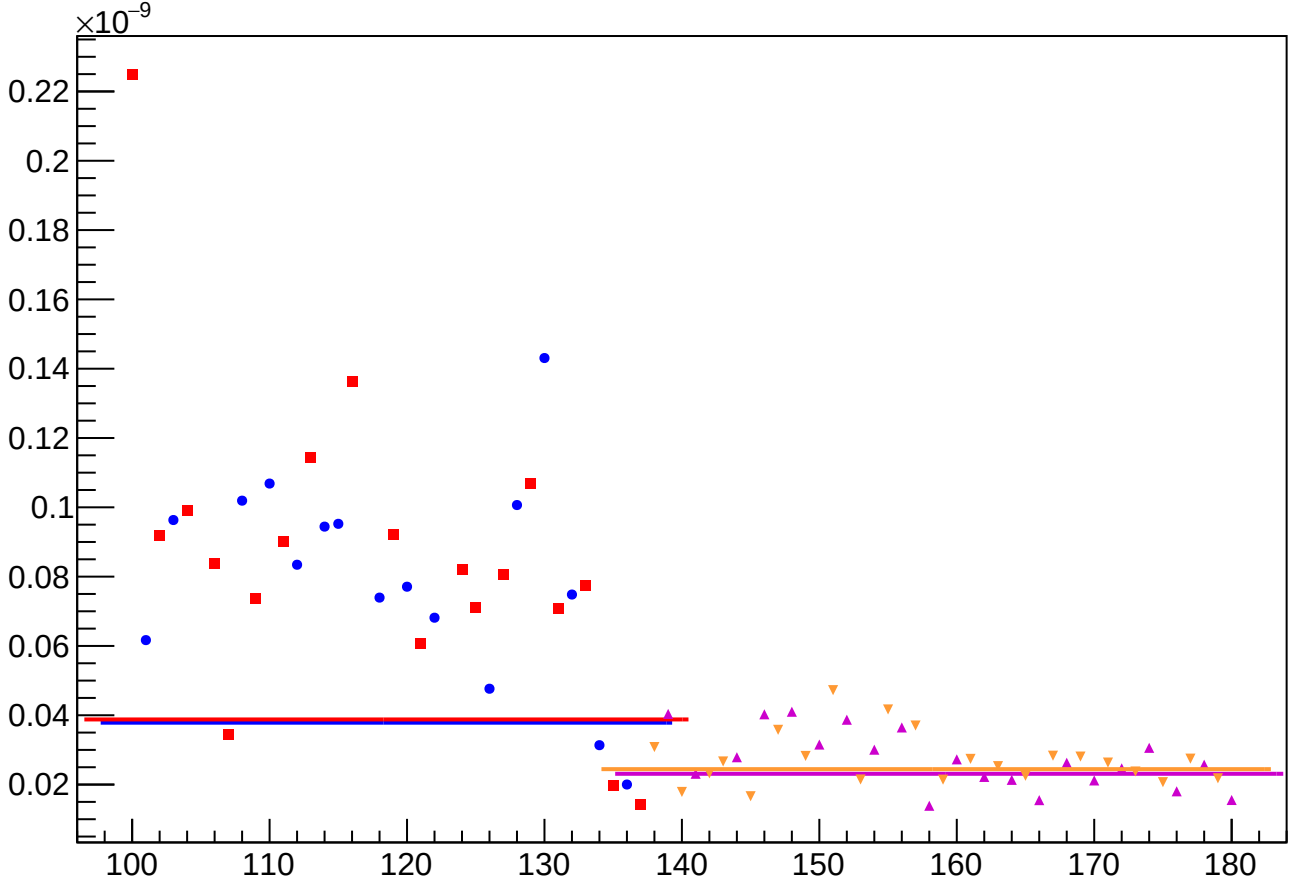
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:36.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 31.4/37

All: -0.000+/-0.000 χ^2/NDF: 93.9/77

- sign -0.000+/-0.000 χ^2/NDF: 58.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1441200.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

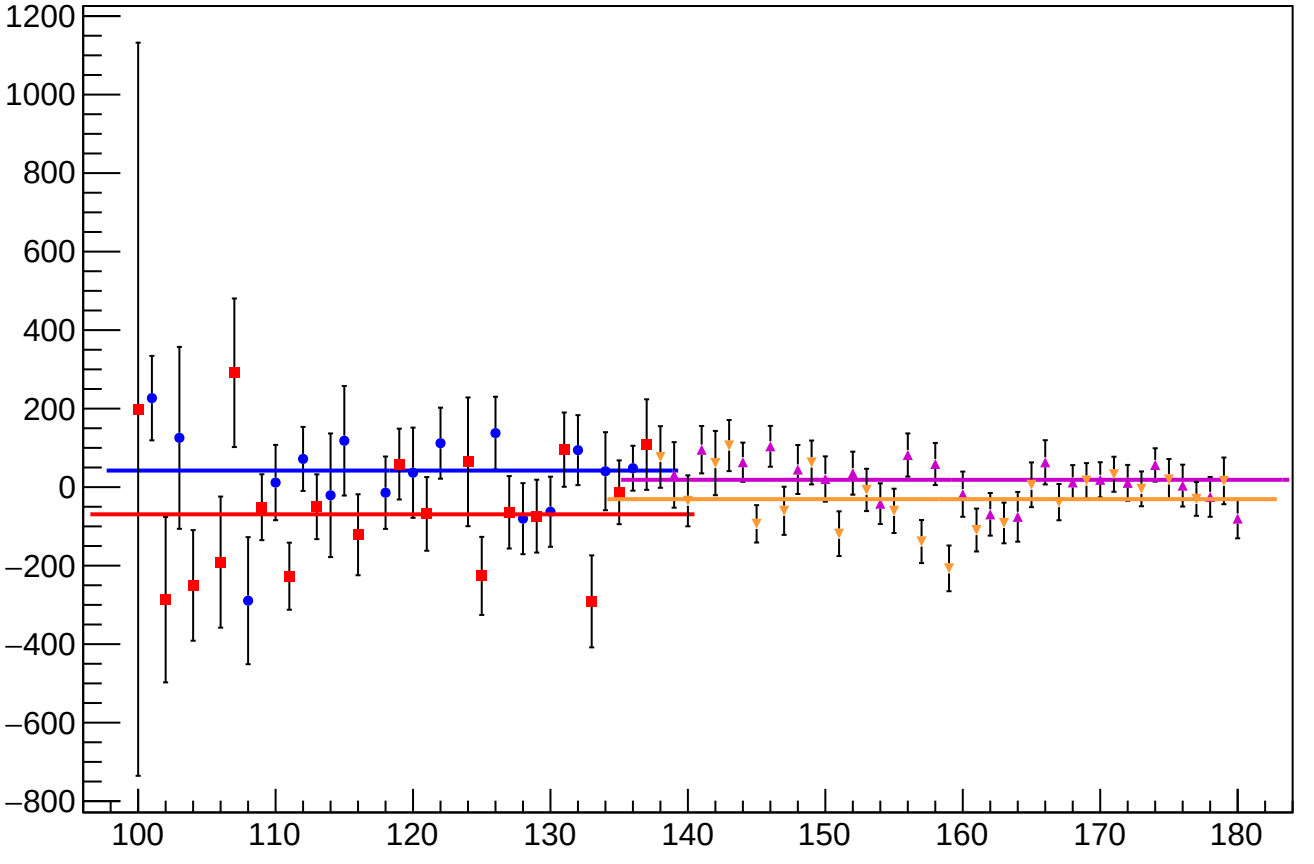
Left In: 0.000+/-0.000 χ^2/NDF:2422385.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 5654116.8/37

All: 0.000+/-0.000 χ^2/NDF: 13152333.9/77

- sign 0.000+/-0.000 χ^2/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: -30.627+/-11.478 χ^2/NDF:37.1/21

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

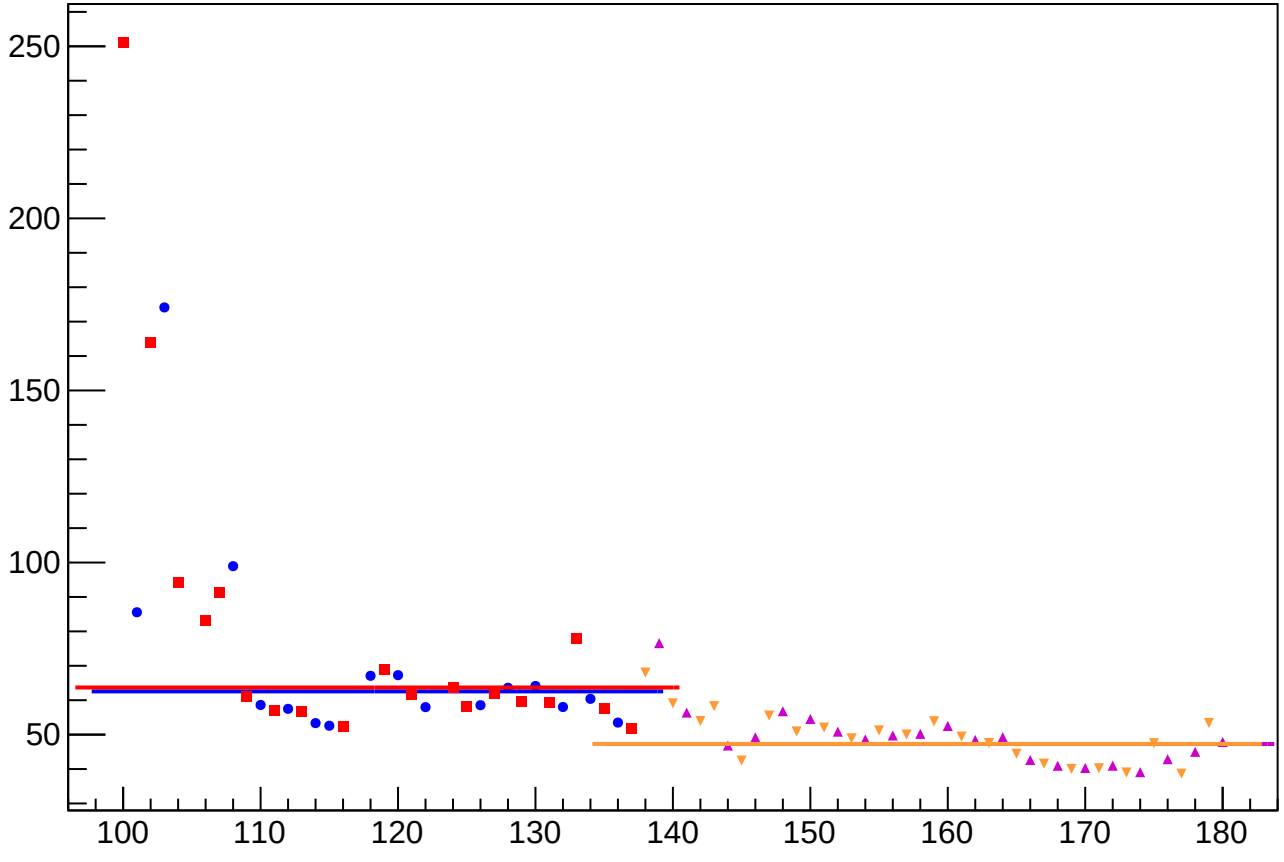
Left In: 18.653+/-11.536 χ^2/NDF:20.0/20

+ sign -17.255+/-10.371 χ^2/NDF: 58.1/37

All: -7.377+/-7.355 χ^2/NDF: 115.9/77

- 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: 47.300+/-0.008 χ^2/NDF:709899.1/21

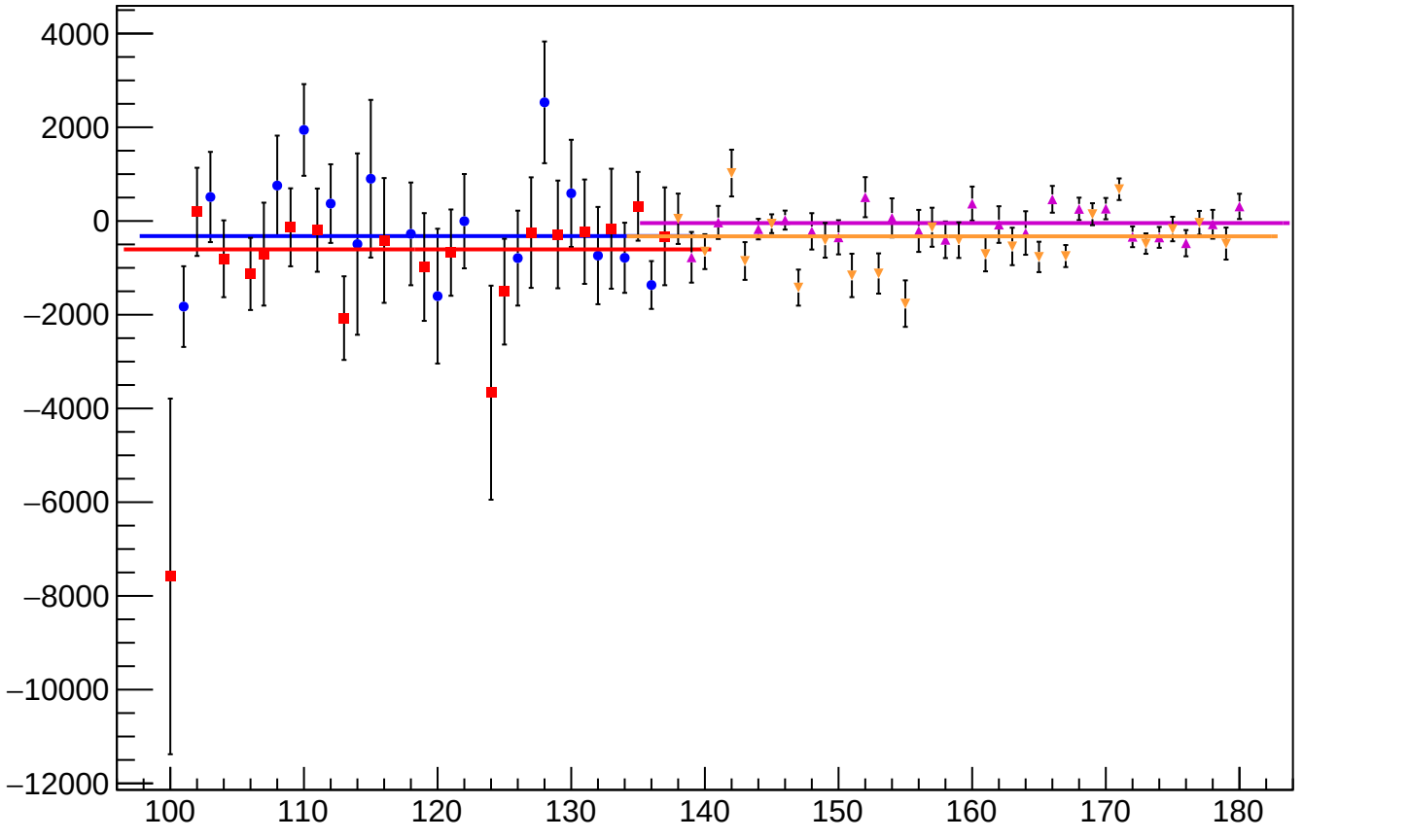
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.275+/-0.008 χ^2/NDF:646680.3/20

+ sign 50.102+/-0.007 χ^2/NDF: 2117896.6/37

All: 50.187+/-0.005 χ^2/NDF: 4338740.9/77

- sign 50.272+/-0.007 χ^2/NDF: 2220576.9/39



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -327.319+/-66.736 χ^2/NDF:67.3/21

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

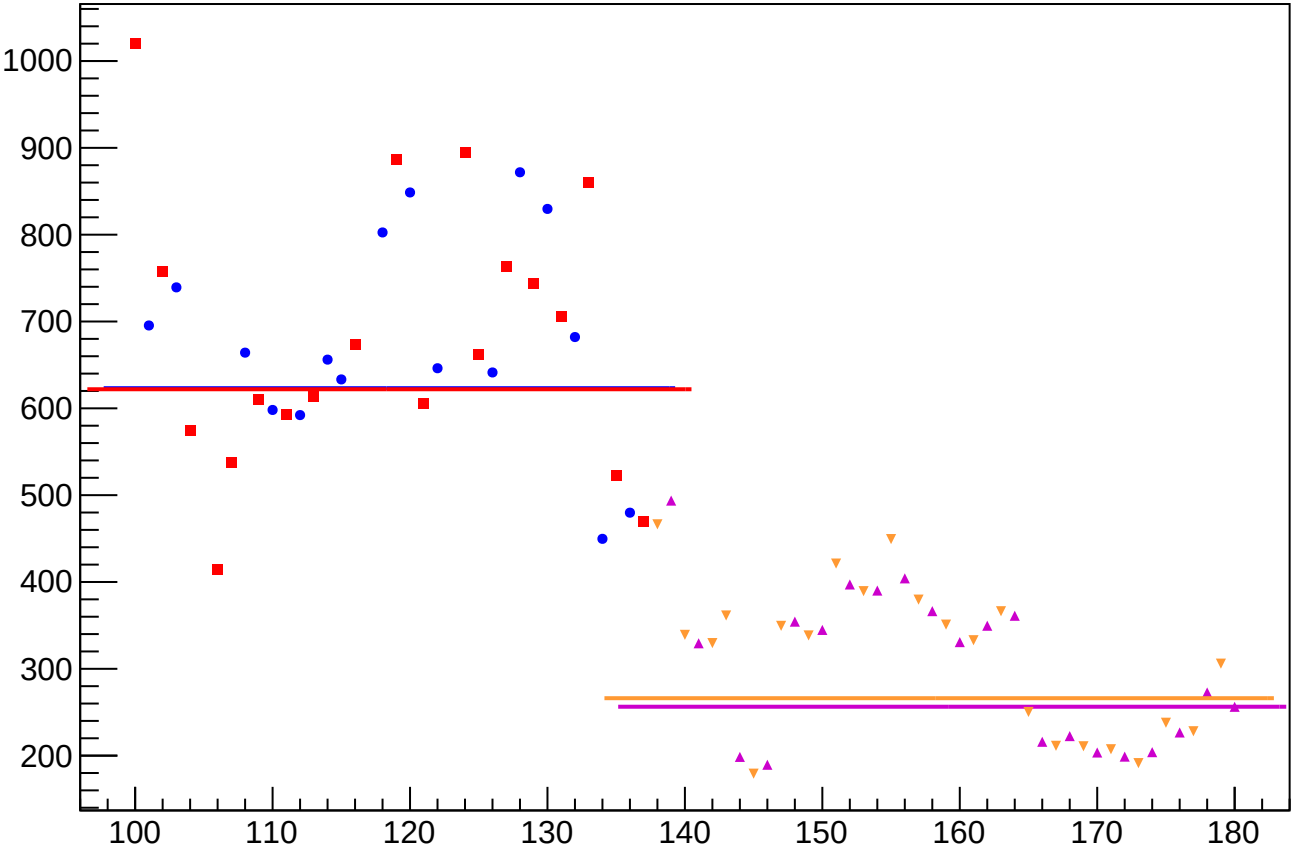
Left In: -44.357+/-64.656 χ^2/NDF:21.8/20

+ sign -326.908+/-64.267 χ^2/NDF: 90.1/37

All: -201.860+/-44.737 χ^2/NDF: 137.0/77

- 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: 266.157+/-0.047 χ^2/NDF:2832995.8/21

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

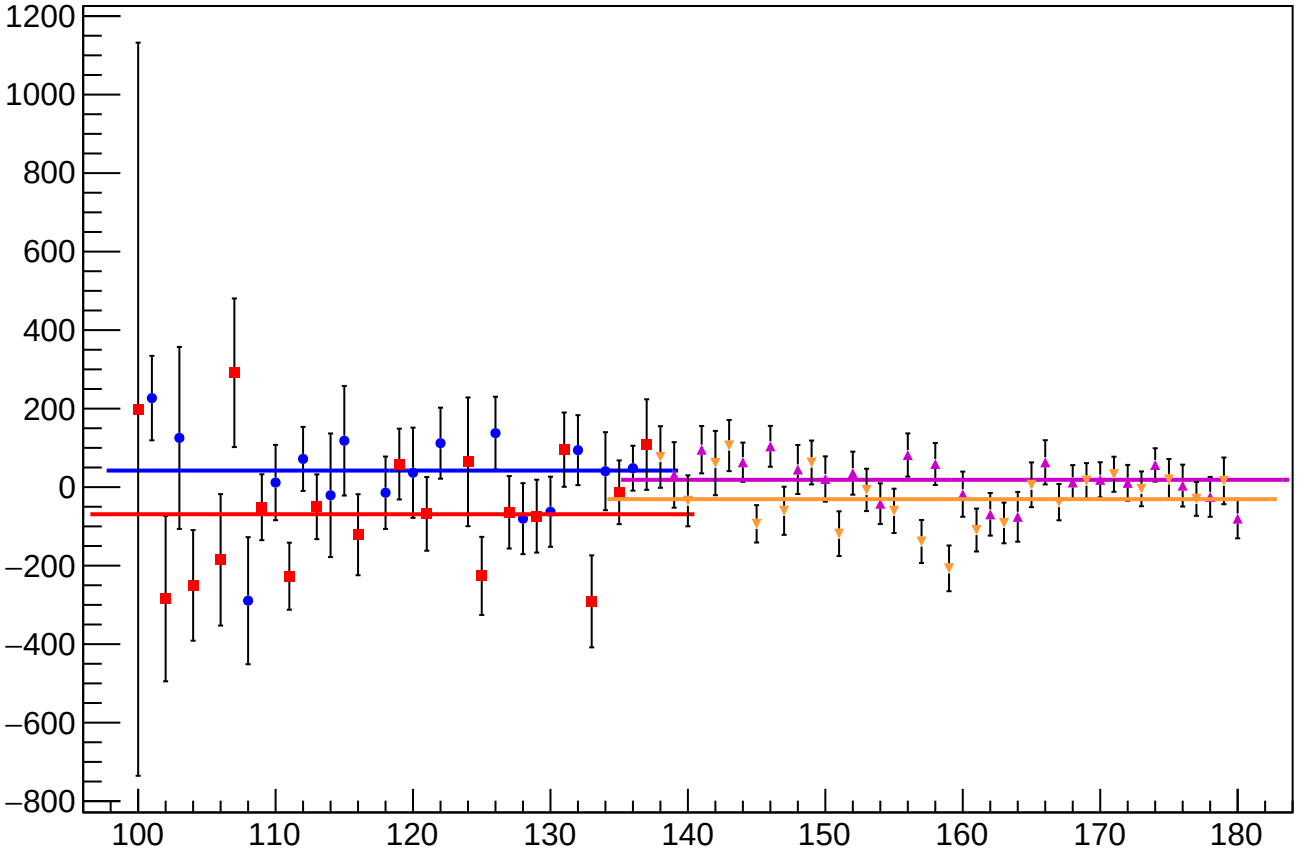
Left In: 256.332+/-0.046 χ^2/NDF:2633715.3/20

+ sign 292.085+/-0.045 χ^2/NDF: 7555412.4/37

All: 287.063+/-0.032 χ^2/NDF: 15345218.1/77

- 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: -30.624+/-11.478 χ^2/NDF:37.1/21

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

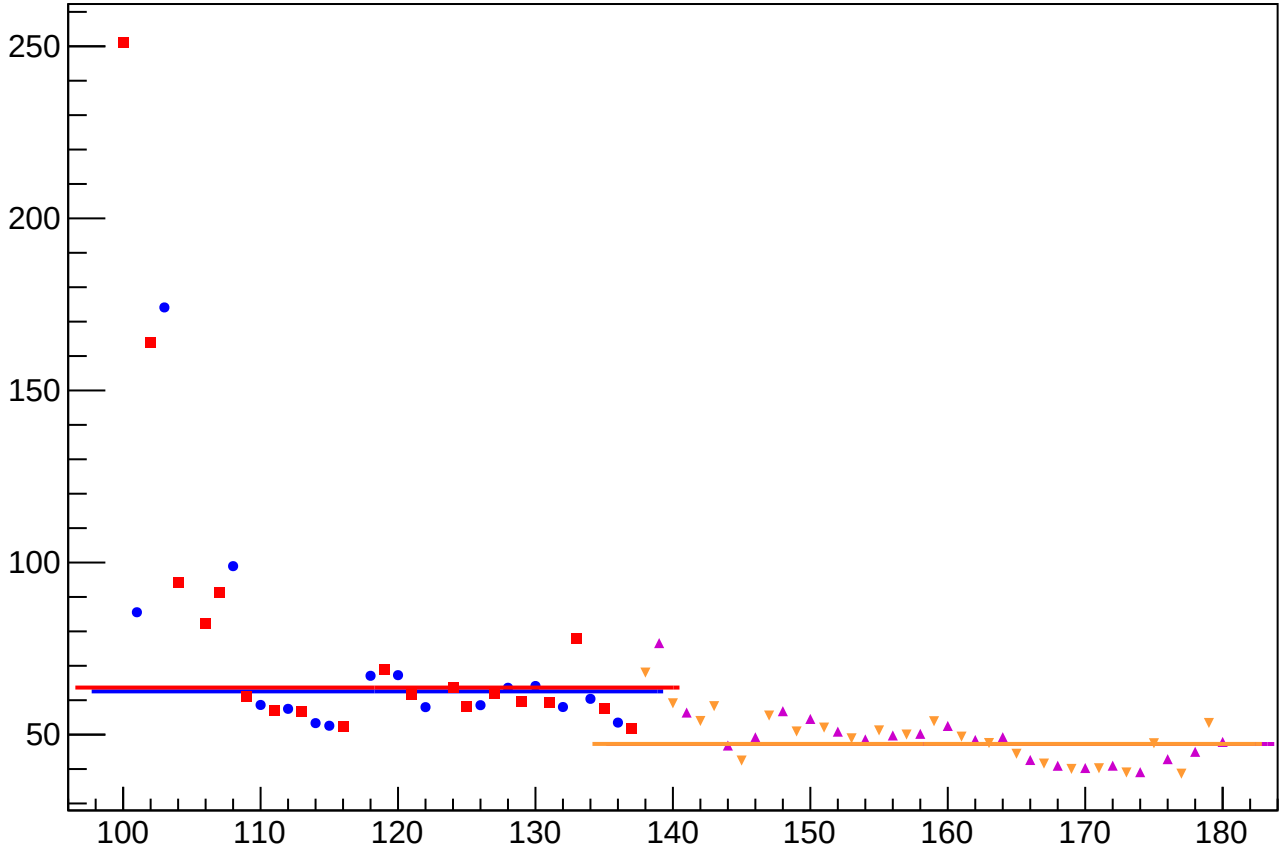
Left In: 18.652+/-11.536 χ^2/NDF:20.0/20

+ sign -17.254+/-10.371 χ^2/NDF: 58.1/37

All: -7.360+/-7.355 χ^2/NDF: 115.8/77

- 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: 47.300+/-0.008 χ^2/NDF:709899.1/21

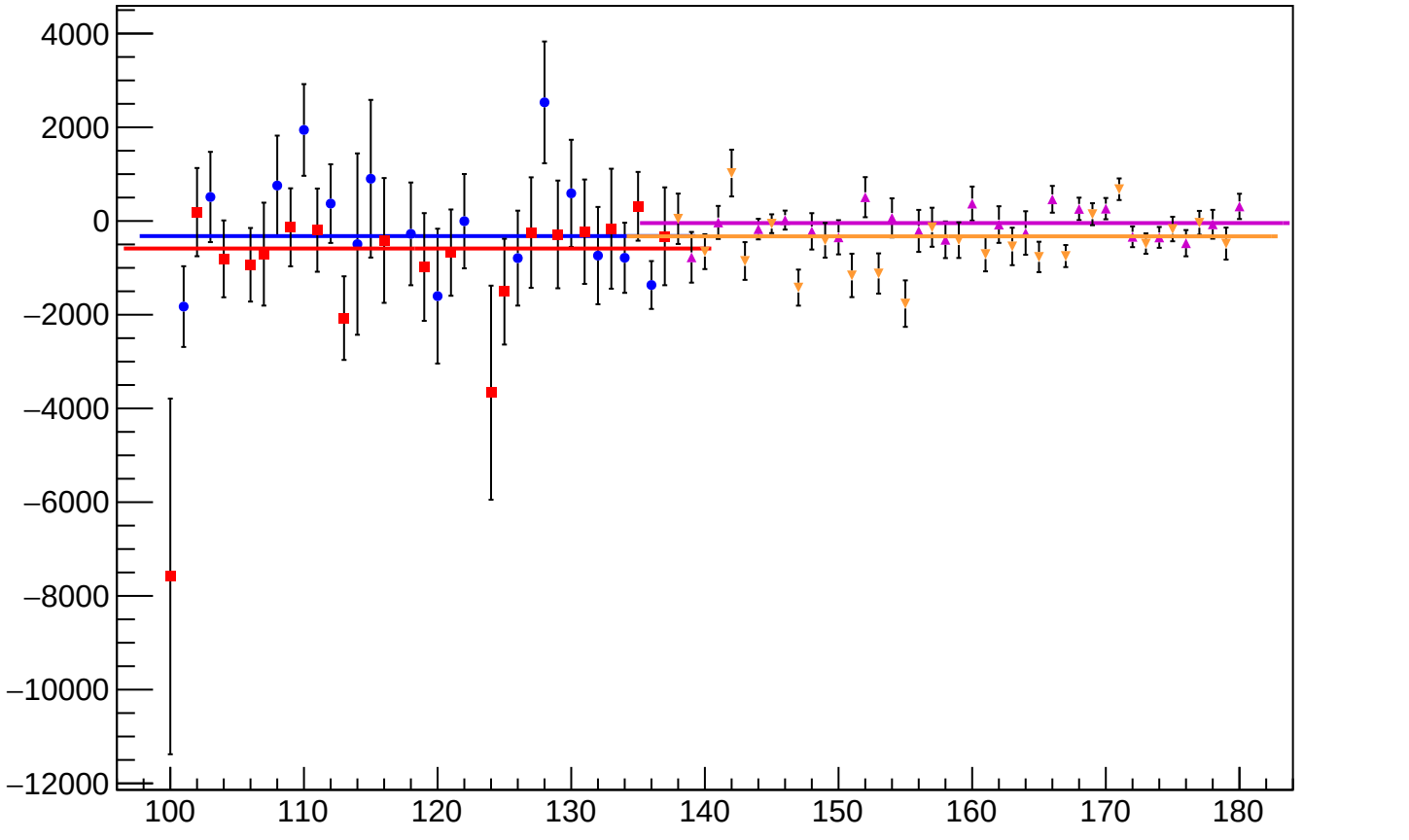
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.275+/-0.008 χ^2/NDF:646680.3/20

+ sign 50.102+/-0.007 χ^2/NDF: 2117898.2/37

All: 50.184+/-0.005 χ^2/NDF: 4333734.2/77

- 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: -327.314+/-66.736 χ^2/NDF:67.3/21

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

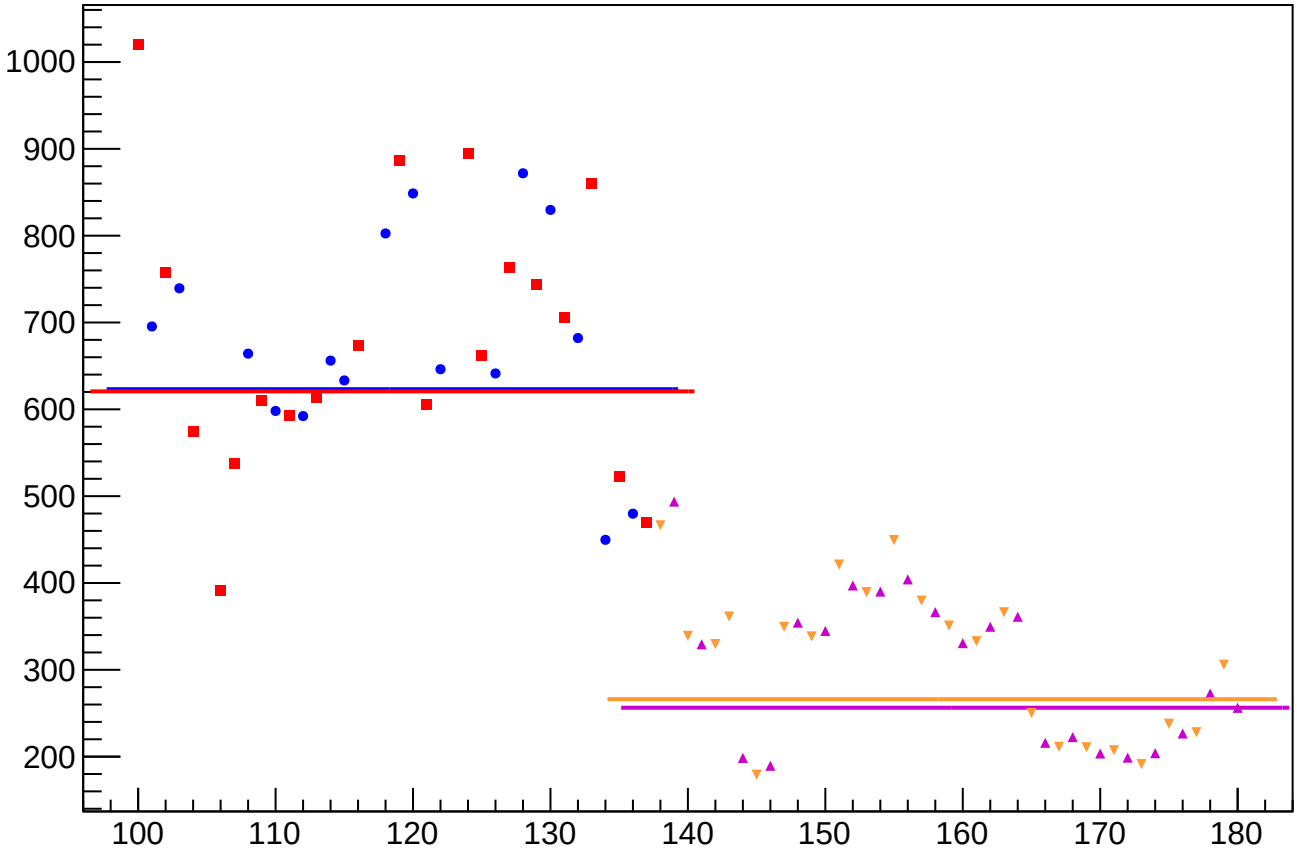
Left In: -44.359+/-64.656 χ^2/NDF:21.8/20

+ sign -326.903+/-64.267 χ^2/NDF: 90.1/37

All: -201.123+/-44.740 χ^2/NDF: 136.4/77

- 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: 266.157+/-0.047 χ^2/NDF:2833001.8/21

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

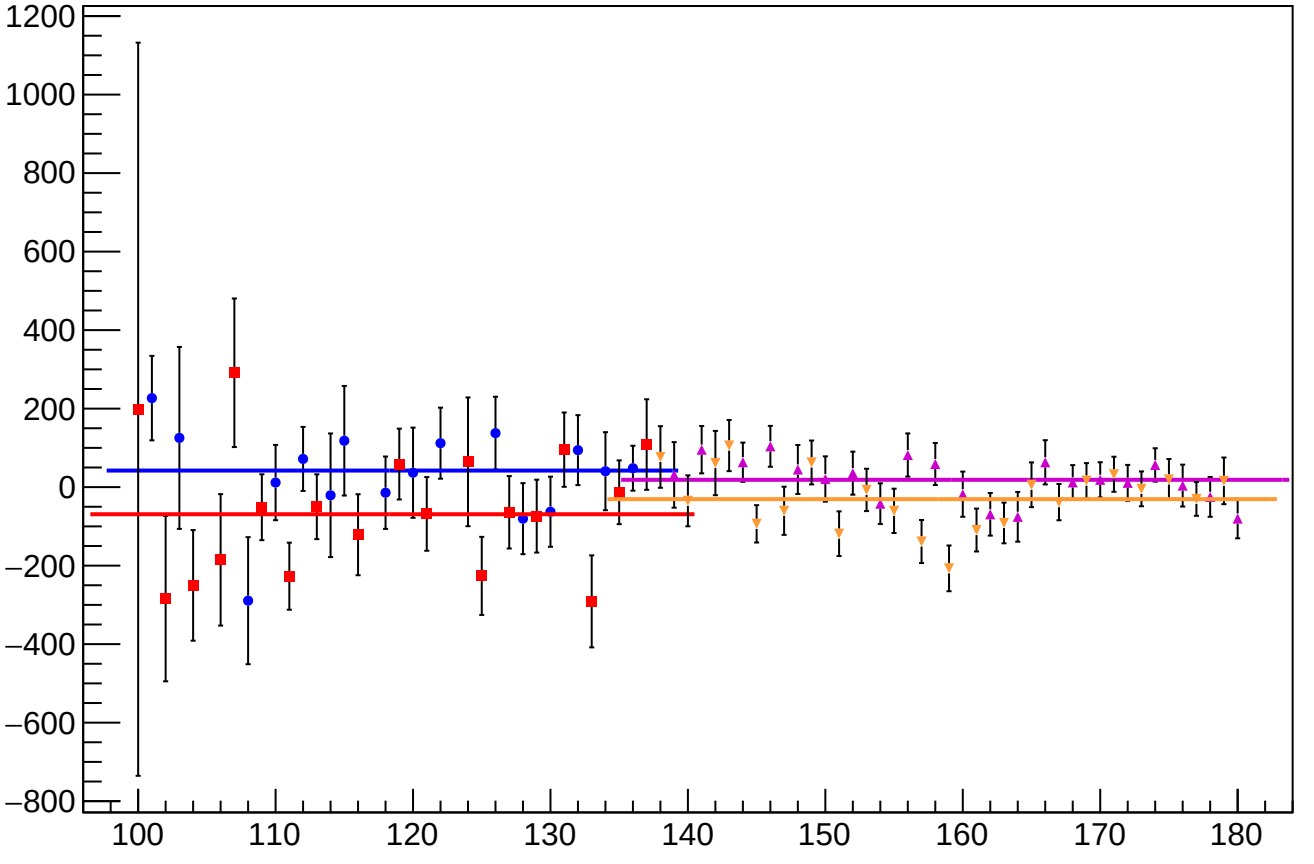
Left In: 256.332+/-0.046 χ^2/NDF:2633710.3/20

+ sign 292.085+/-0.045 χ^2/NDF: 7555473.9/37

All: 286.969+/-0.032 χ^2/NDF: 15326104.7/77

- 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: -30.624+/-11.478 χ^2/NDF:37.1/21

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

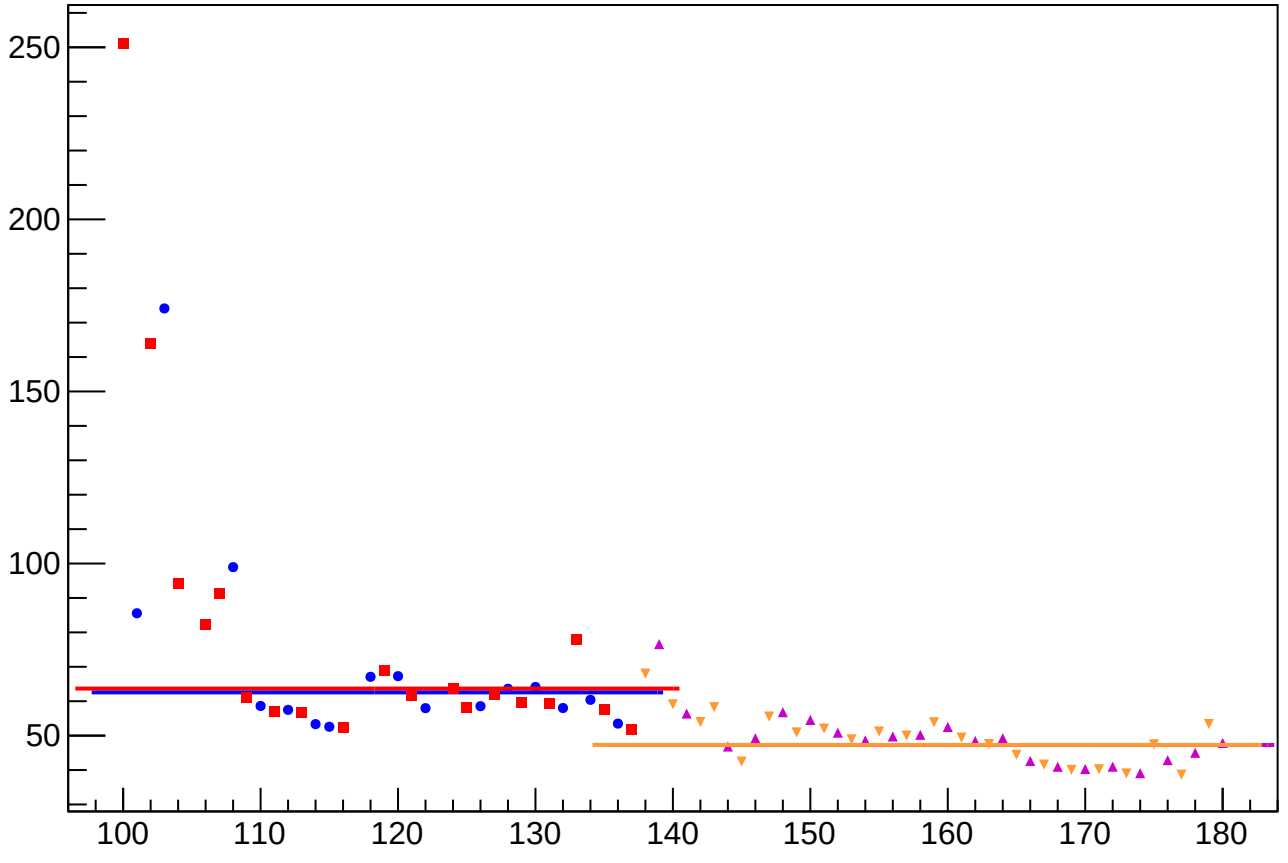
Left In: 18.652+/-11.536 χ^2/NDF:20.0/20

+ sign -17.254+/-10.371 χ^2/NDF: 58.1/37

All: -7.360+/-7.355 χ^2/NDF: 115.8/77

- 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: 47.300+/-0.008 χ^2/NDF:709899.1/21

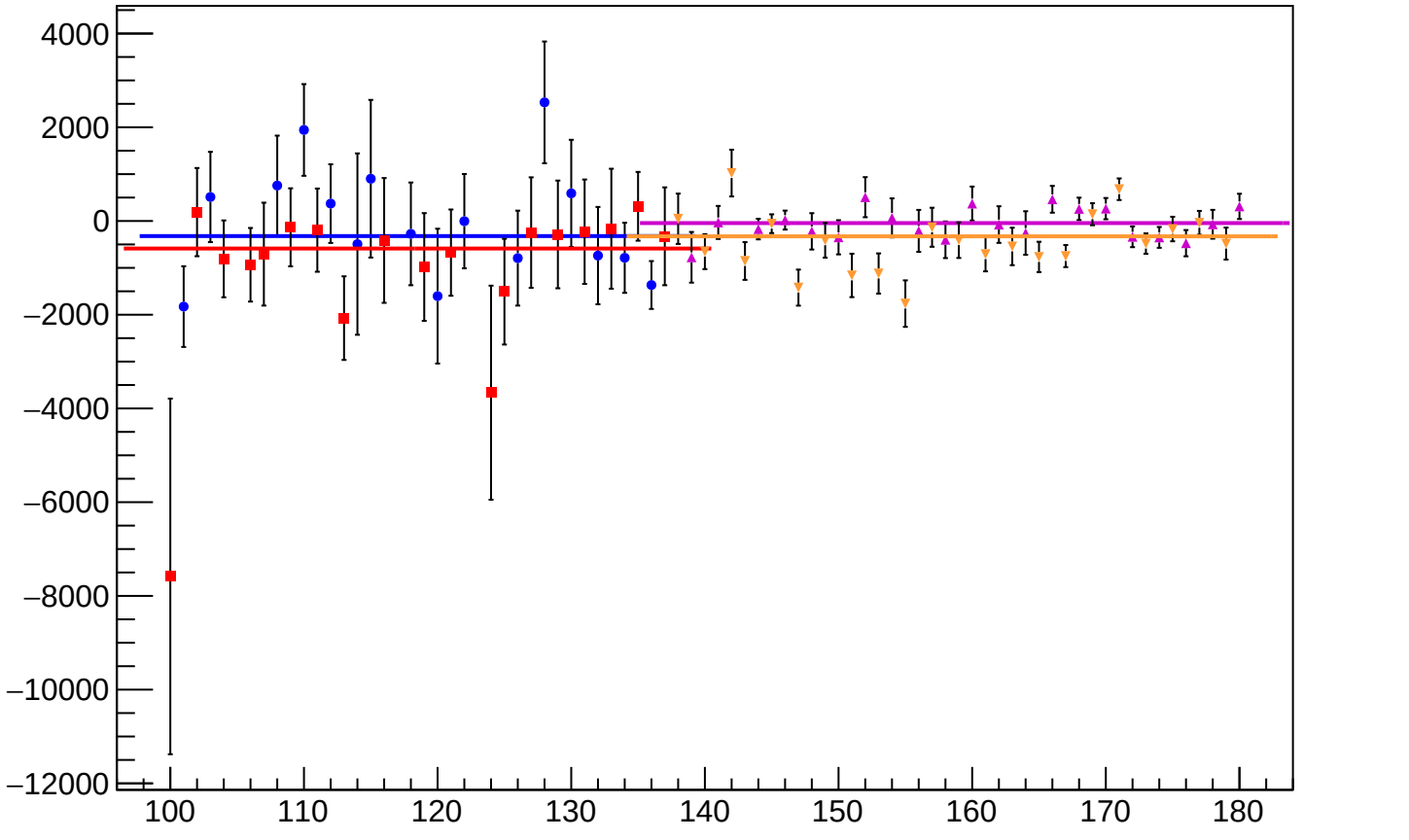
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.275+/-0.008 χ^2/NDF:646680.3/20

+ sign 50.102+/-0.007 χ^2/NDF: 2117898.2/37

All: 50.184+/-0.005 χ^2/NDF: 4333734.2/77

- 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: -327.314+/-66.736 χ^2/NDF:67.3/21

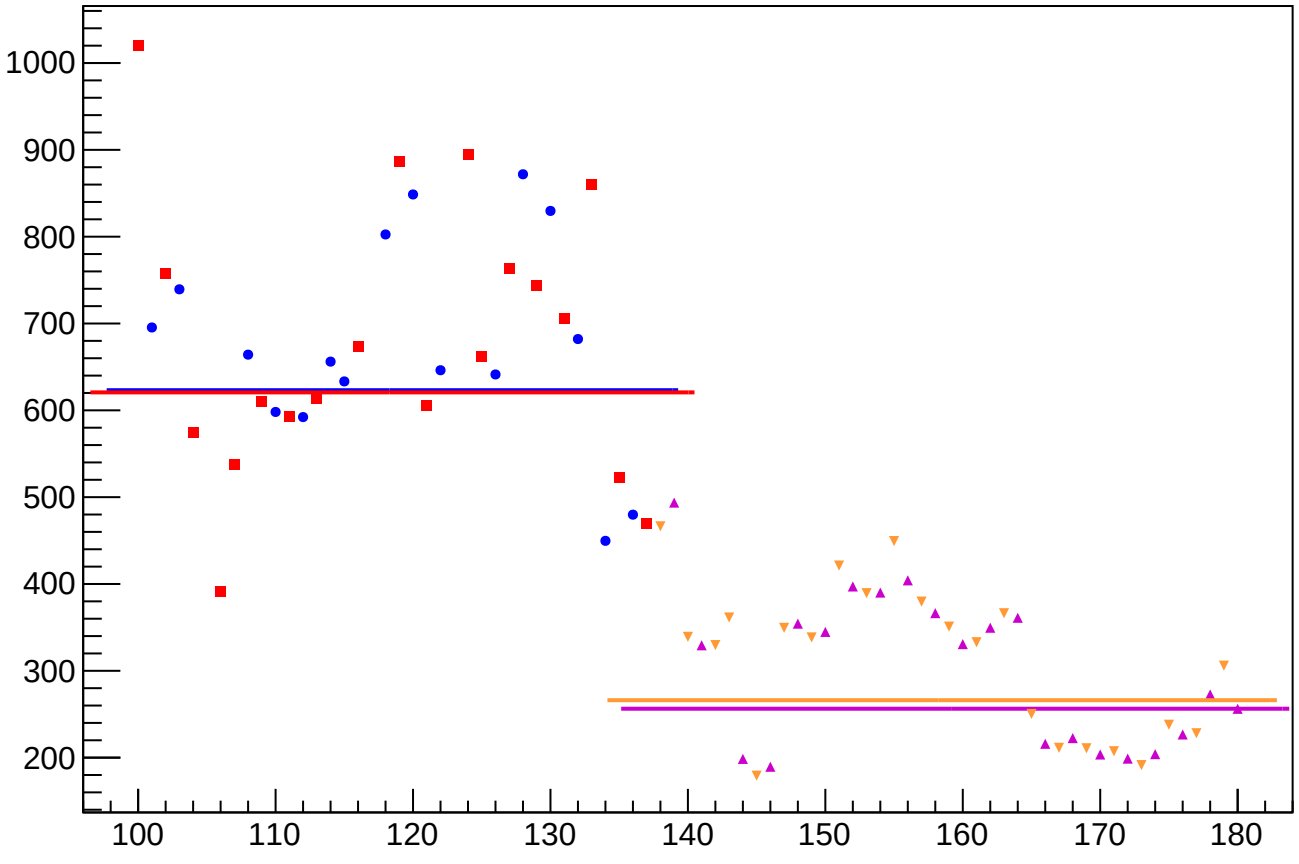
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -44.359+/-64.656 χ^2/NDF:21.8/20

+ sign -326.903+/-64.267 χ^2/NDF: 90.1/37

All: -201.123+/-44.740 χ^2/NDF: 136.4/77

- 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: 266.157+/-0.047 χ^2/NDF:2833001.8/21

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

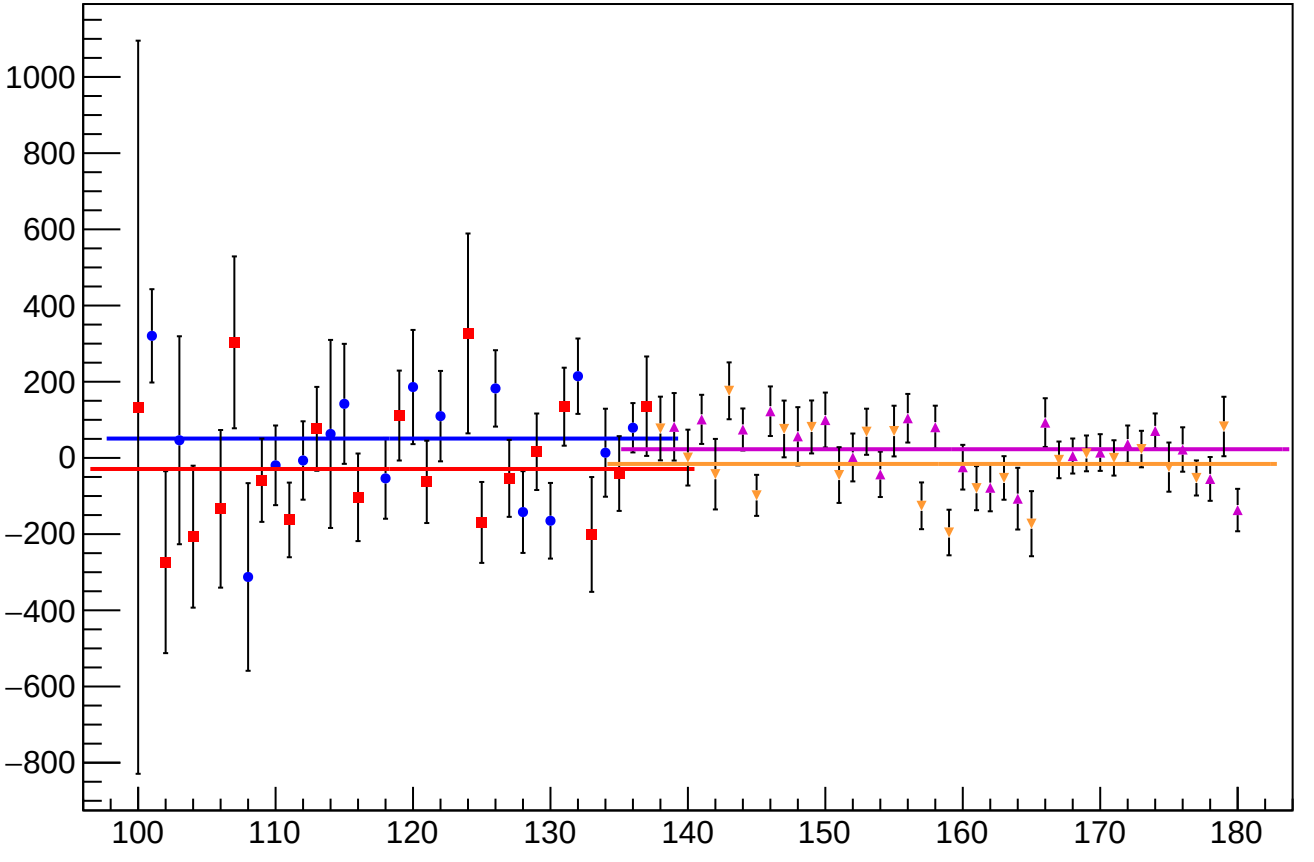
Left In: 256.332+/-0.046 χ^2/NDF:2633710.3/20

+ sign 292.085+/-0.045 χ^2/NDF: 7555473.9/37

All: 286.969+/-0.032 χ^2/NDF: 15326104.7/77

- 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: -15.771+/-12.919 χ^2/NDF:38.3/21

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

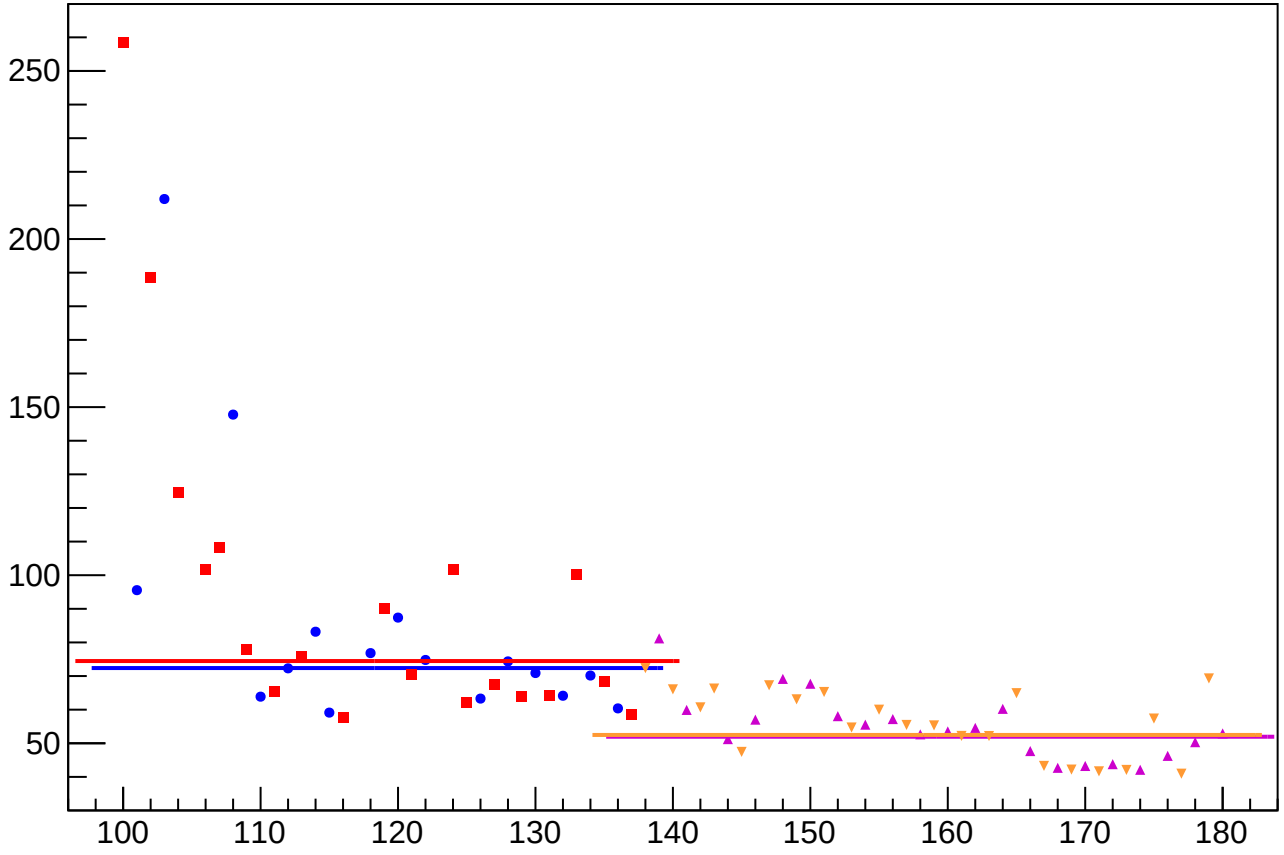
Left In: 22.832+/-12.849 χ^2/NDF:29.0/20

+ sign -4.294+/-11.754 χ^2/NDF: 65.7/37

All: 5.001+/-8.307 χ^2/NDF: 117.1/77

- 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: 52.478+/-0.009 χ^2/NDF:1151623.7/21

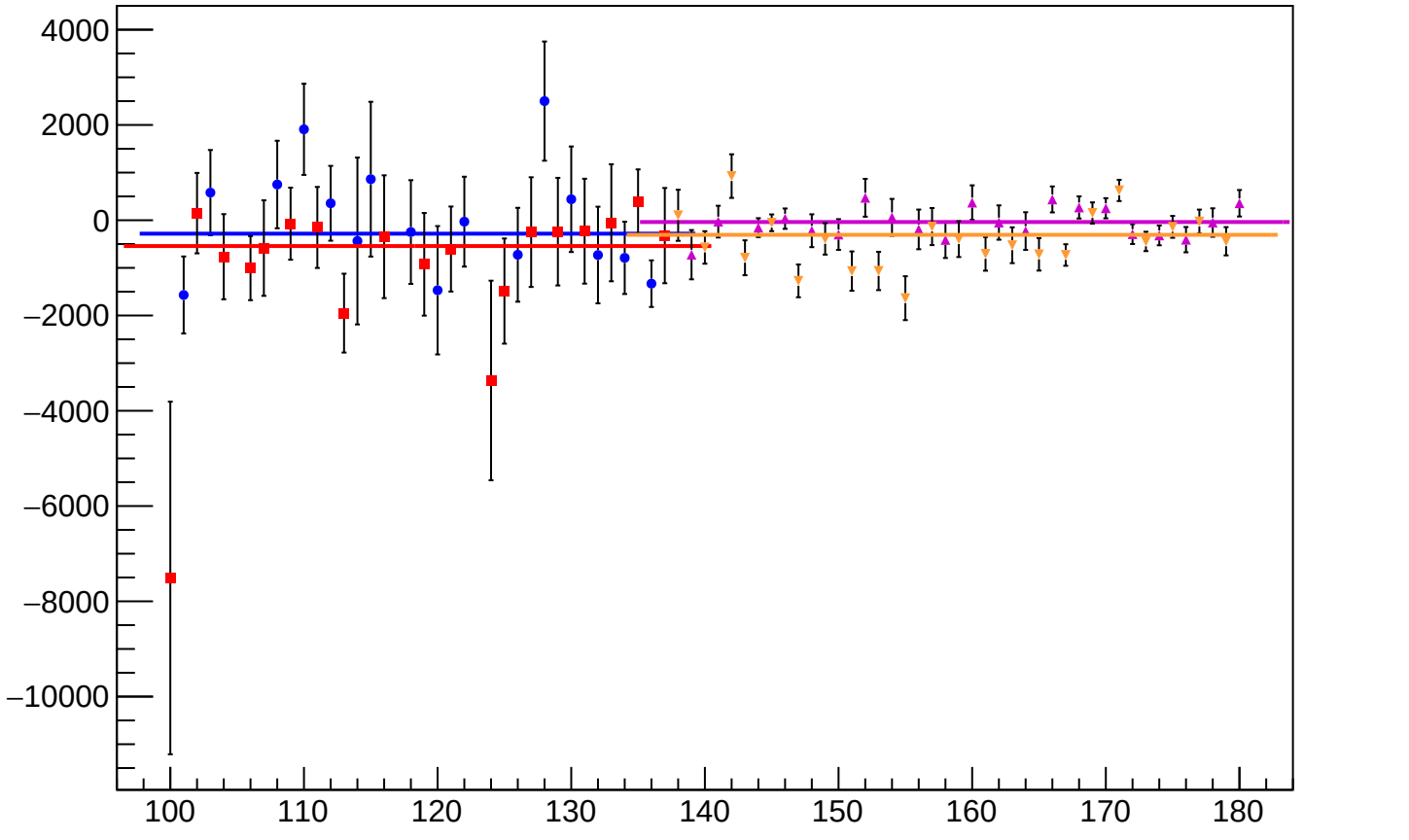
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 51.947+/-0.009 χ^2/NDF:848489.3/20

+ sign 55.907+/-0.008 χ^2/NDF: 2907370.4/37

All: 55.784+/-0.006 χ^2/NDF: 5821715.7/77

- 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: -306.633+/-62.144 χ^2/NDF:66.5/21

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

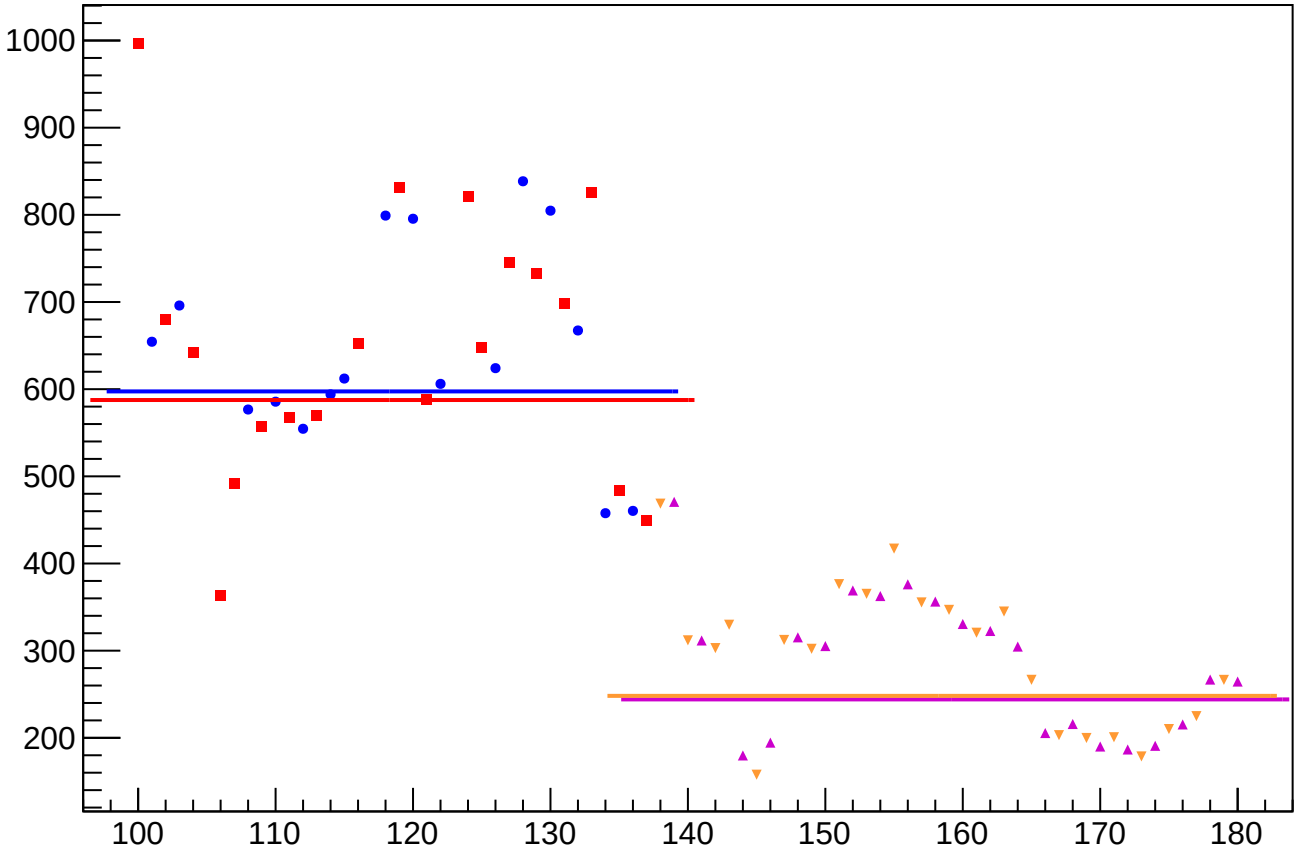
Left In: -37.520+/-61.476 χ^2/NDF:21.4/20

+ sign -304.930+/-59.953 χ^2/NDF: 89.3/37

All: -187.946+/-42.134 χ^2/NDF: 136.4/77

- 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: 248.156+/-0.044 χ^2/NDF:2912216.1/21

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

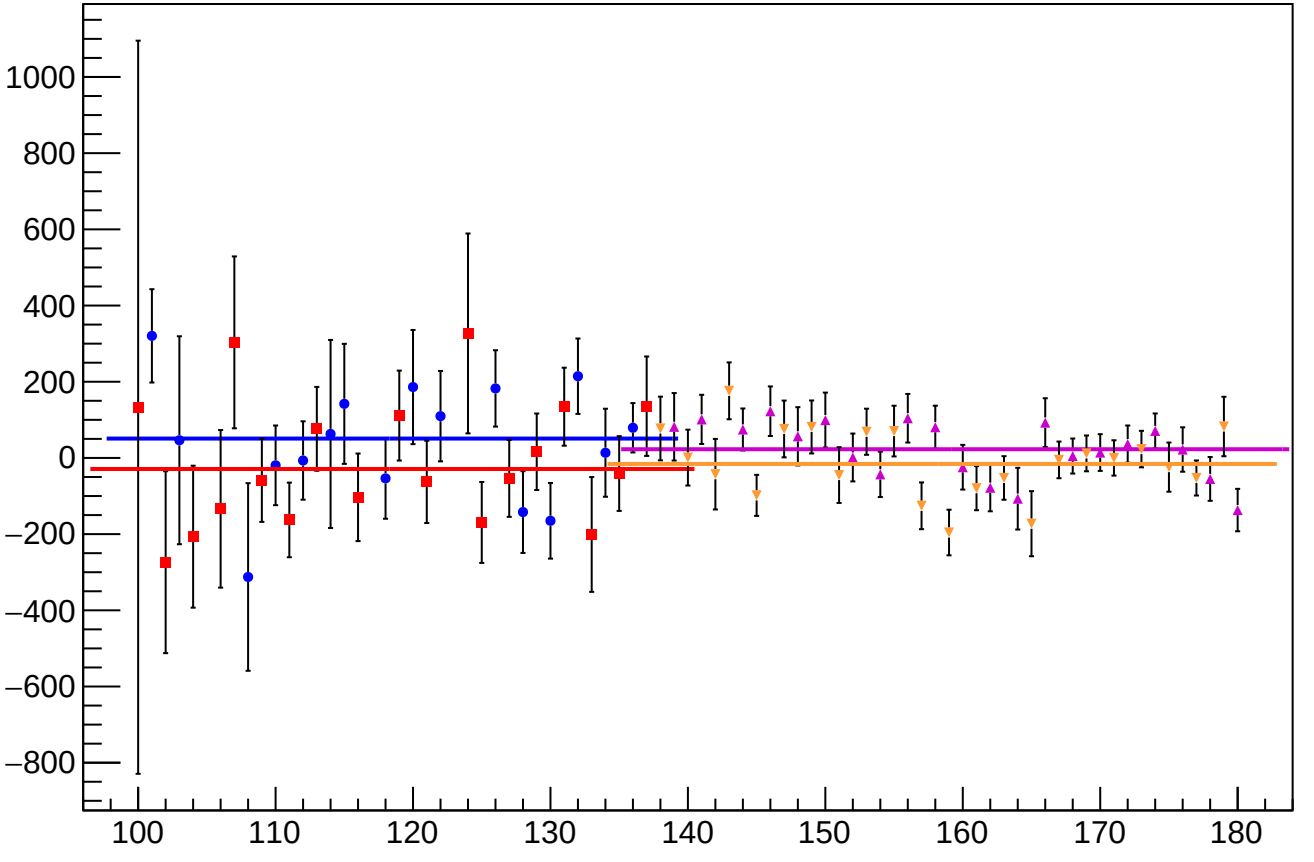
Left In: 244.084+/-0.043 χ^2/NDF:2489684.0/20

+ sign 272.351+/-0.042 χ^2/NDF: 7822637.6/37

All: 270.540+/-0.030 χ^2/NDF: 15492748.6/77

- 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: -15.770+/-12.919 χ^2/NDF:38.3/21

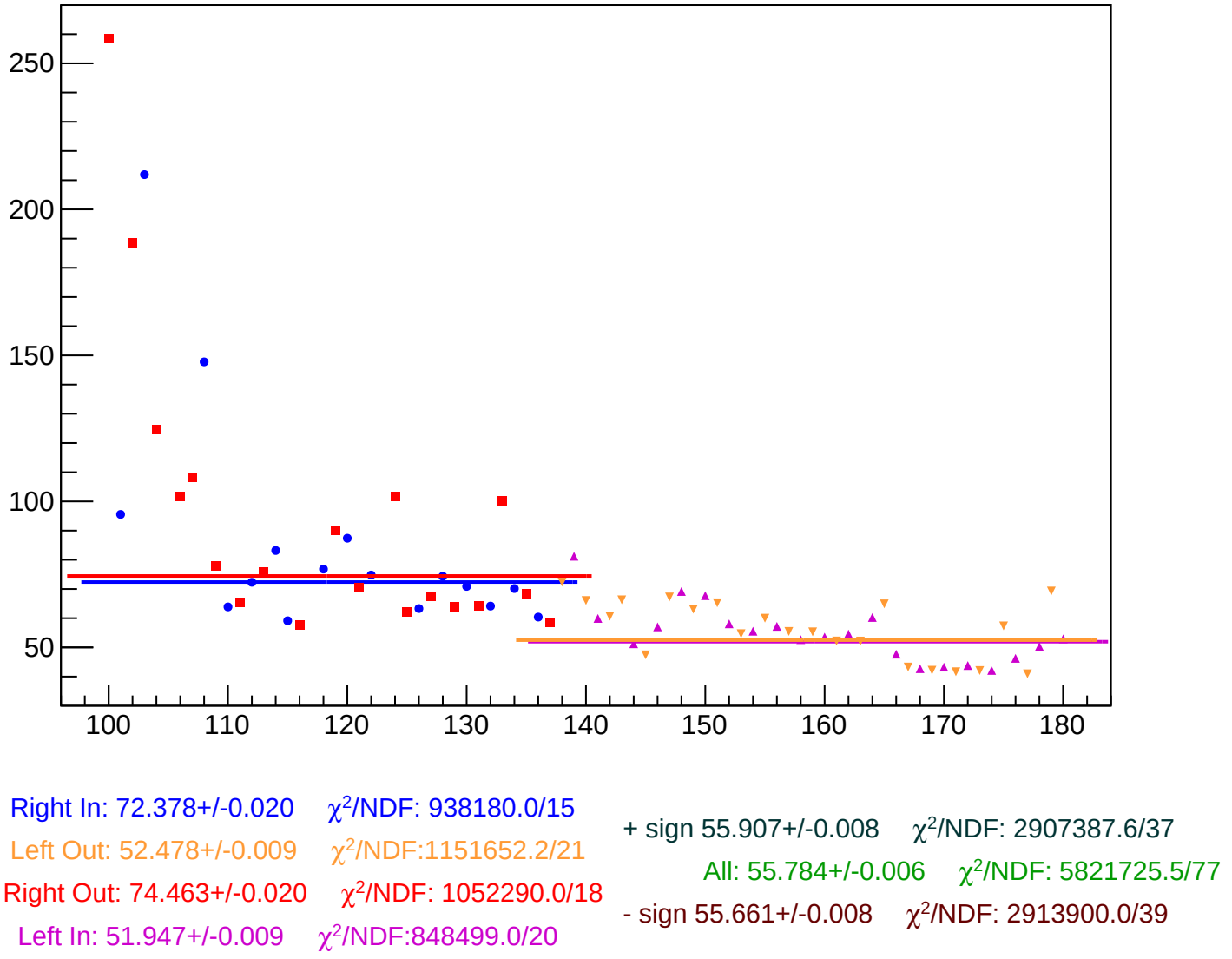
Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

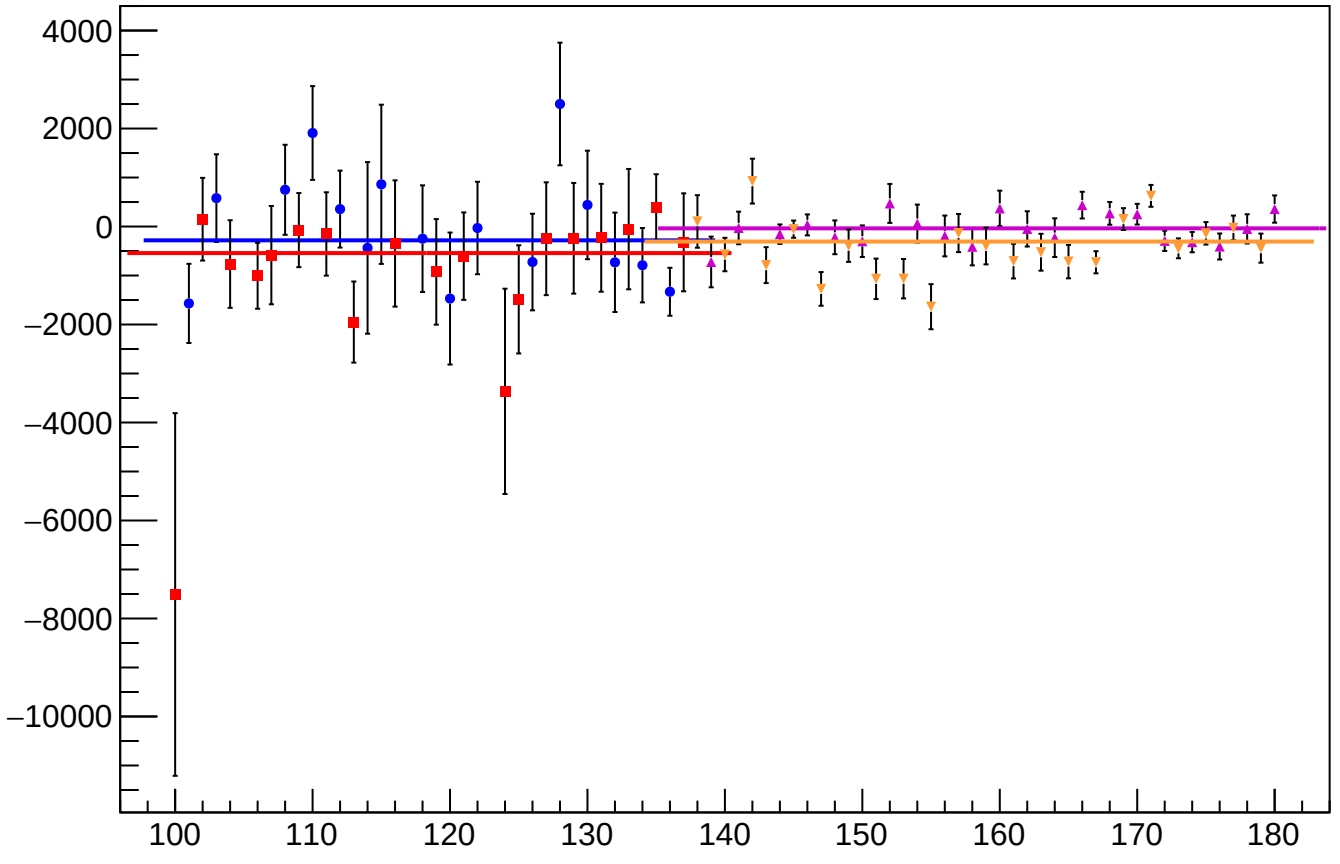
Left In: 22.832+/-12.849 χ^2/NDF:29.0/20

+ sign -4.293+/-11.754 χ^2/NDF: 65.7/37

All: 5.001+/-8.307 χ^2/NDF: 117.1/77

- 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: 52.478+/-0.009 χ²/NDF:1151652.2/21
Right Out: 74.463+/-0.020 χ²/NDF: 1052290.0/18
Left In: 51.947+/-0.009 χ²/NDF:848499.0/20
+ sign 55.907+/-0.008 χ²/NDF: 2907387.6/37
All: 55.784+/-0.006 χ²/NDF: 5821725.5/77
- sign 55.661+/-0.008 χ²/NDF: 2913900.0/39



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -306.634+/-62.144 χ^2/NDF:66.5/21

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

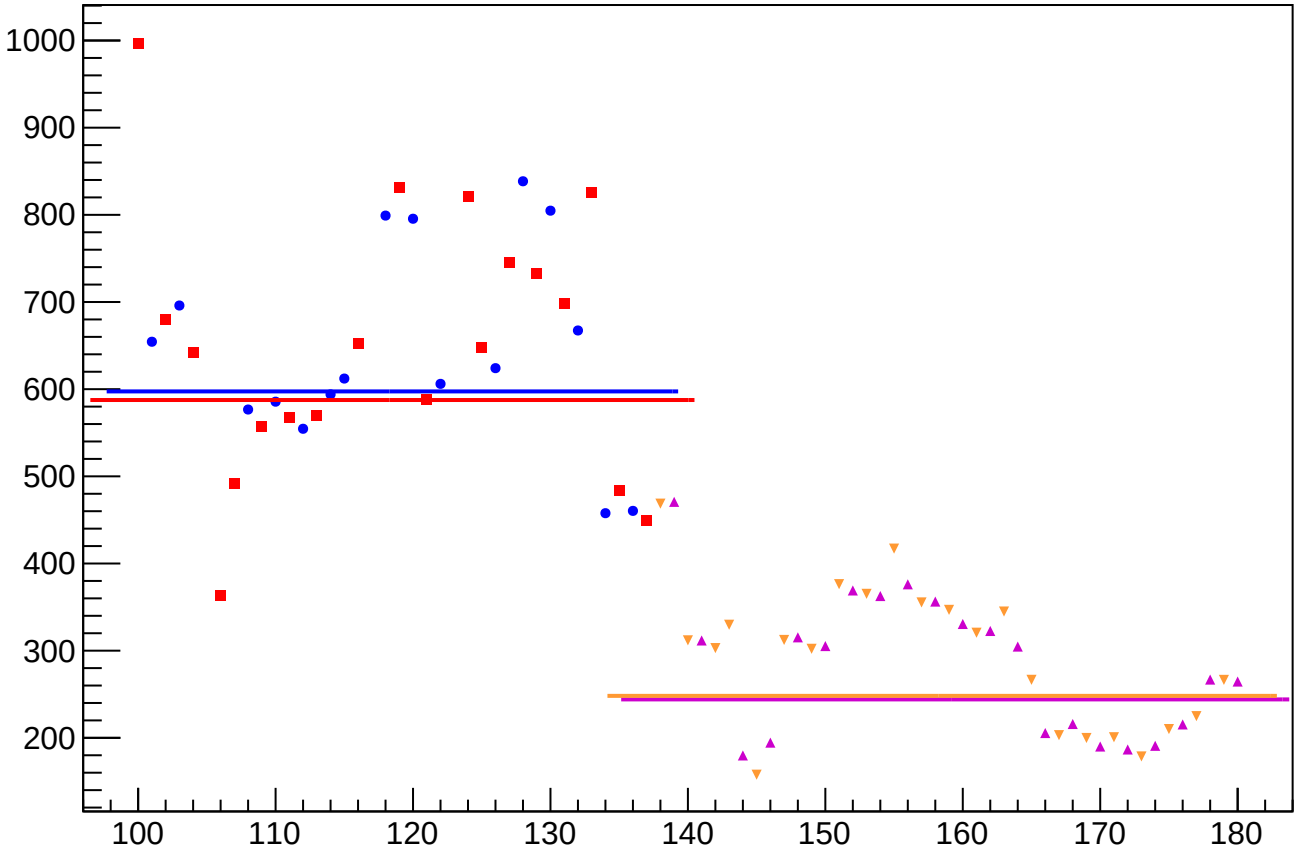
Left In: -37.520+/-61.476 χ^2/NDF:21.4/20

+ sign -304.930+/-59.953 χ^2/NDF: 89.3/37

All: -187.946+/-42.134 χ^2/NDF: 136.4/77

- 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: 248.156+/-0.044 χ^2/NDF:2912205.7/21

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

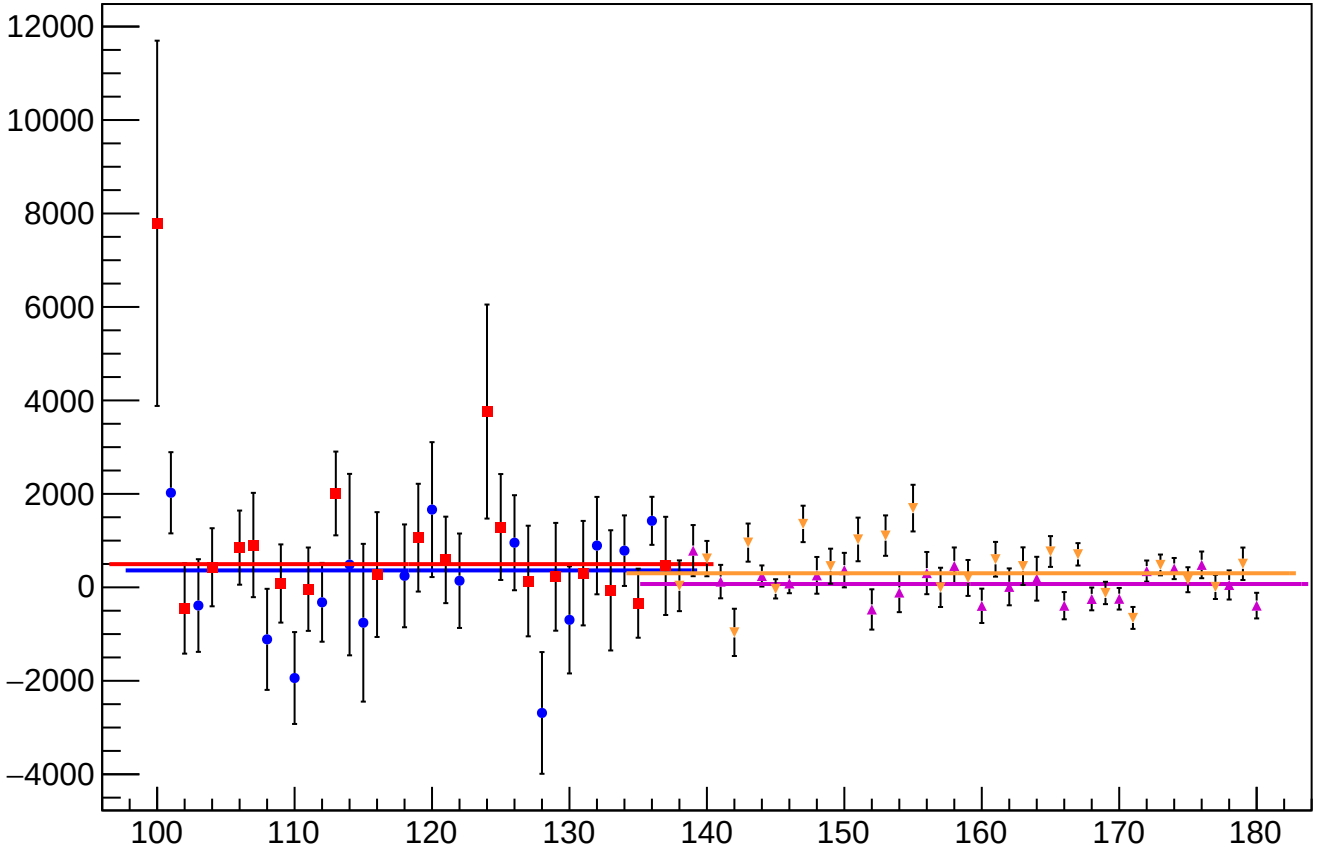
Left In: 244.084+/-0.043 χ^2/NDF:2489677.5/20

+ sign 272.351+/-0.042 χ^2/NDF: 7822633.5/37

All: 270.540+/-0.030 χ^2/NDF: 15492739.4/77

- 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: 301.434+/-67.867 χ^2/NDF:62.0/21

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

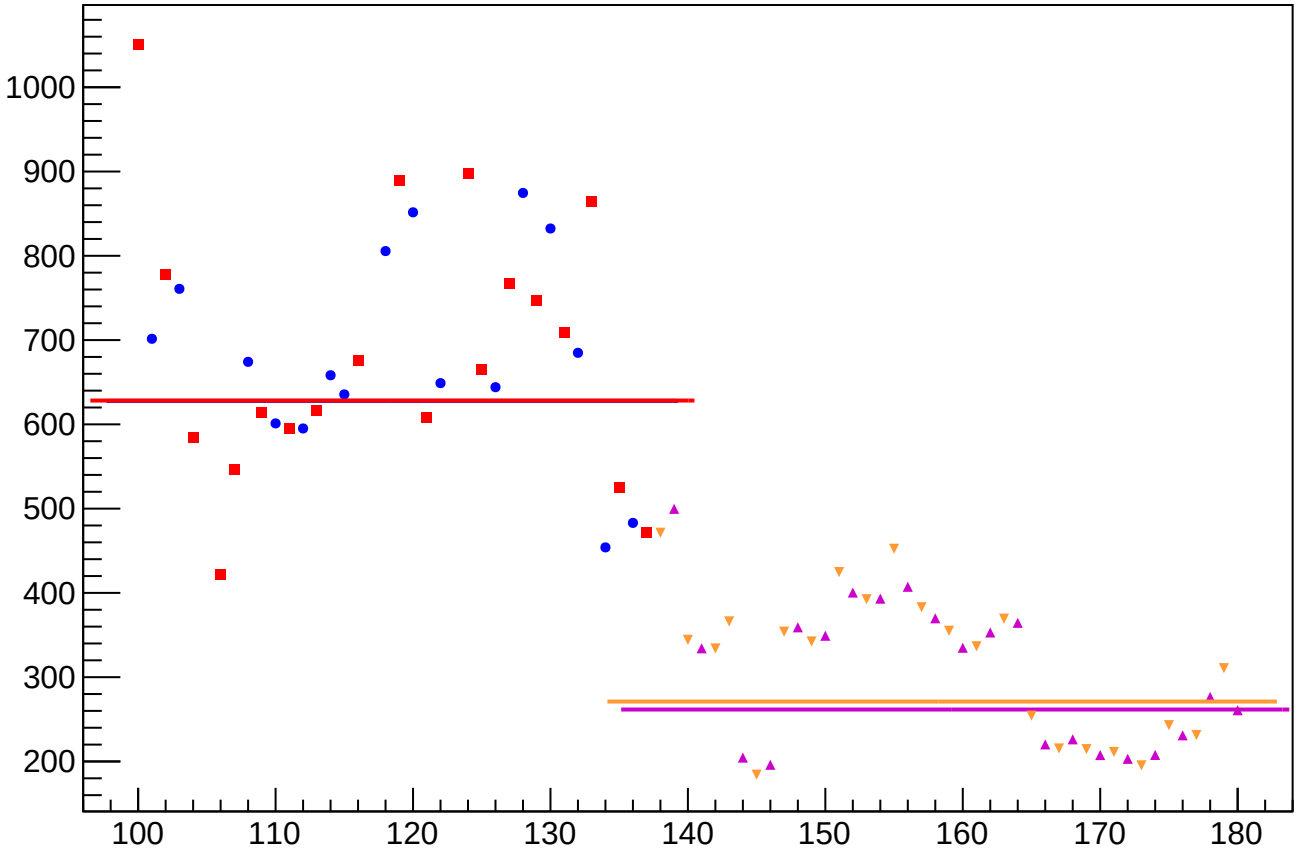
Left In: 71.322+/-65.868 χ^2/NDF:22.6/20

+ sign 305.937+/-65.313 χ^2/NDF: 87.1/37

All: 201.036+/-45.508 χ^2/NDF: 130.4/77

- 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: 271.073+/-0.048 χ^2/NDF:2742952.0/21

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

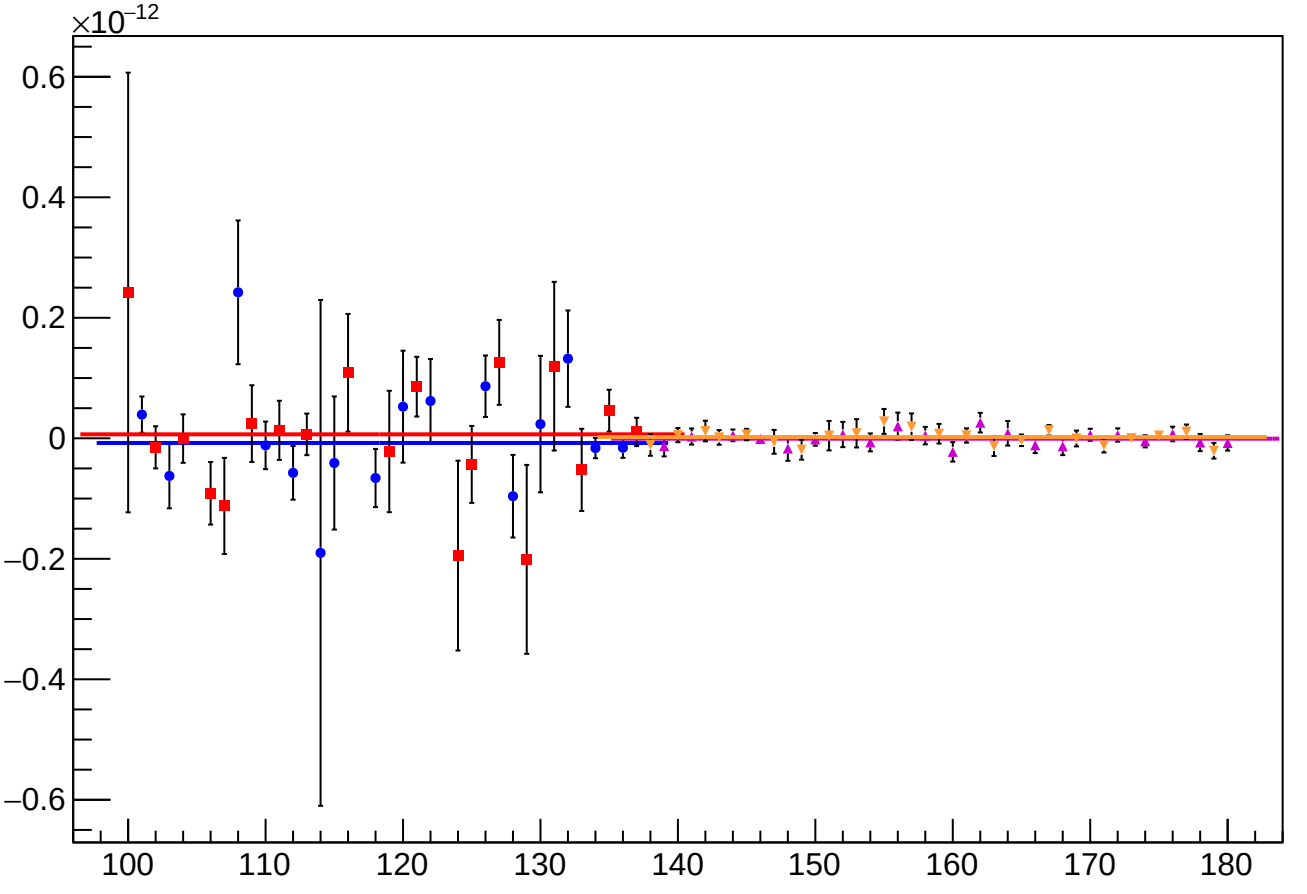
Left In: 261.608+/-0.047 χ^2/NDF:2532264.2/20

+ sign 297.432+/-0.046 χ^2/NDF: 7393769.5/37

All: 292.630+/-0.032 χ^2/NDF: 14995299.3/77

- 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:13.3/21

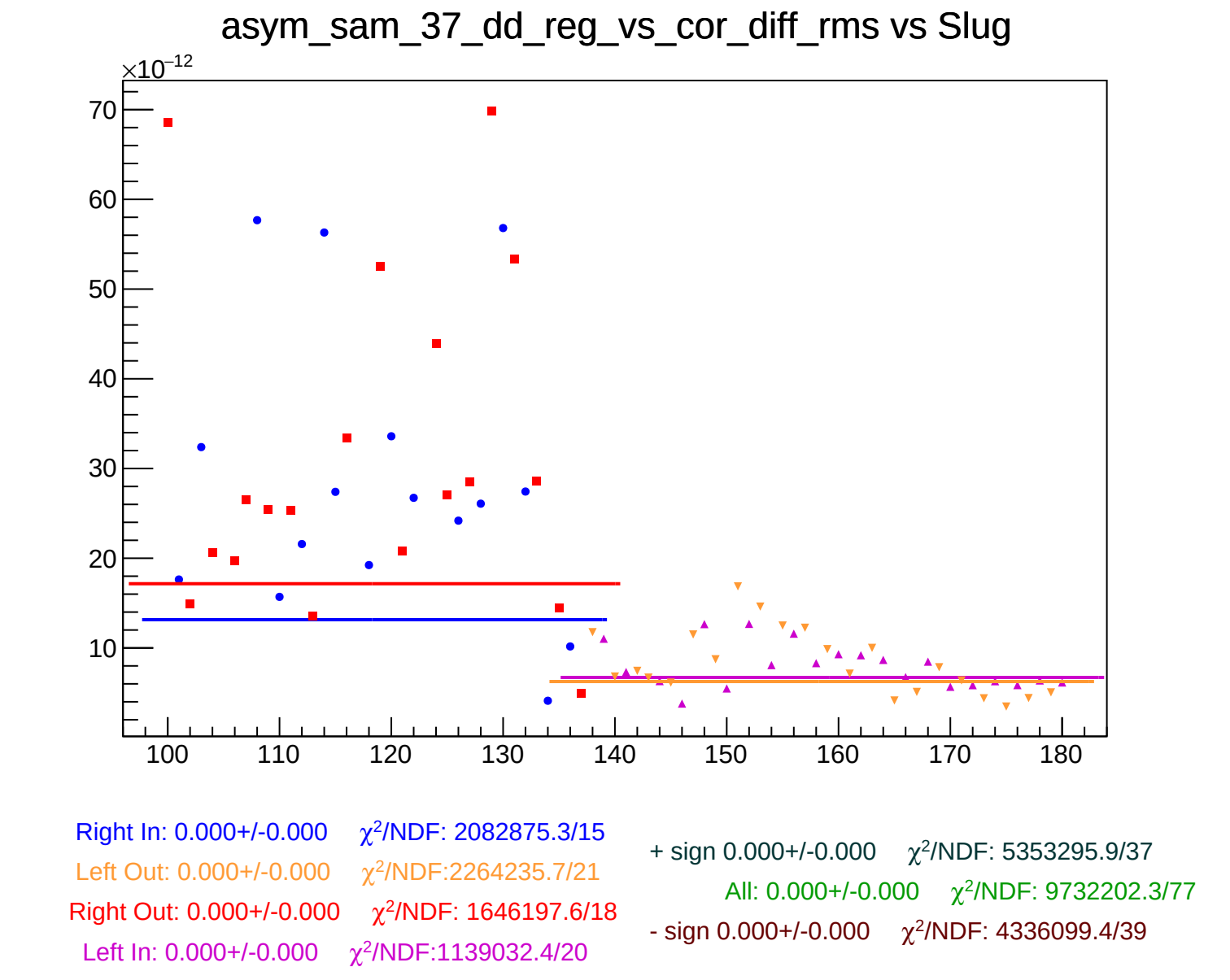
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/20

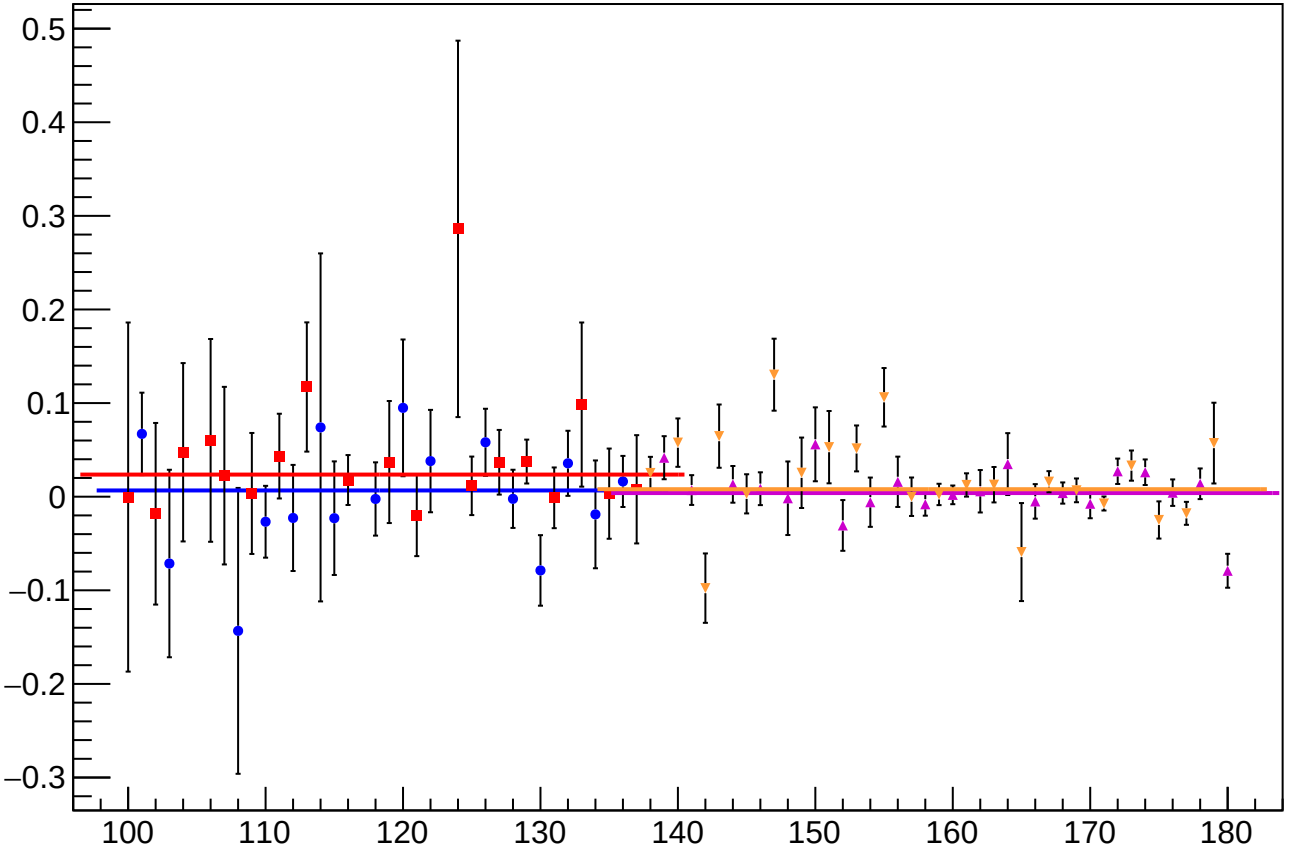
+ sign 0.000+/-0.000 χ^2/NDF: 35.3/37

All: 0.000+/-0.000 χ^2/NDF: 66.6/77

- 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
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2264235.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1139032.4/20
+ sign 0.000+/-0.000 χ²/NDF: 5353295.9/37
All: 0.000+/-0.000 χ²/NDF: 9732202.3/77
- 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:58.3/21

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

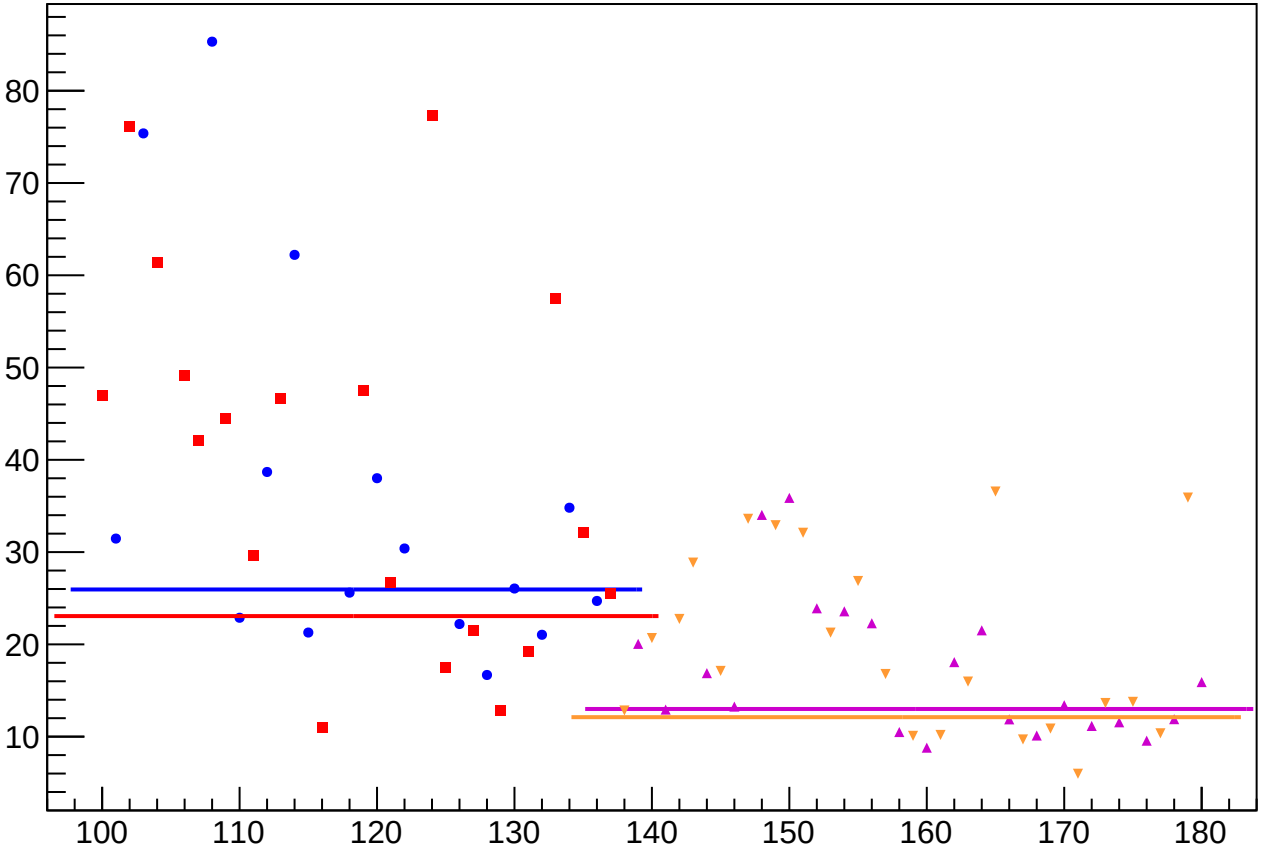
Left In: 0.004+/-0.004 χ^2/NDF:36.4/20

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/37

All: 0.007+/-0.002 χ^2/NDF: 120.5/77

- 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: 12.110+/-0.003 χ^2/NDF:6362404.6/21

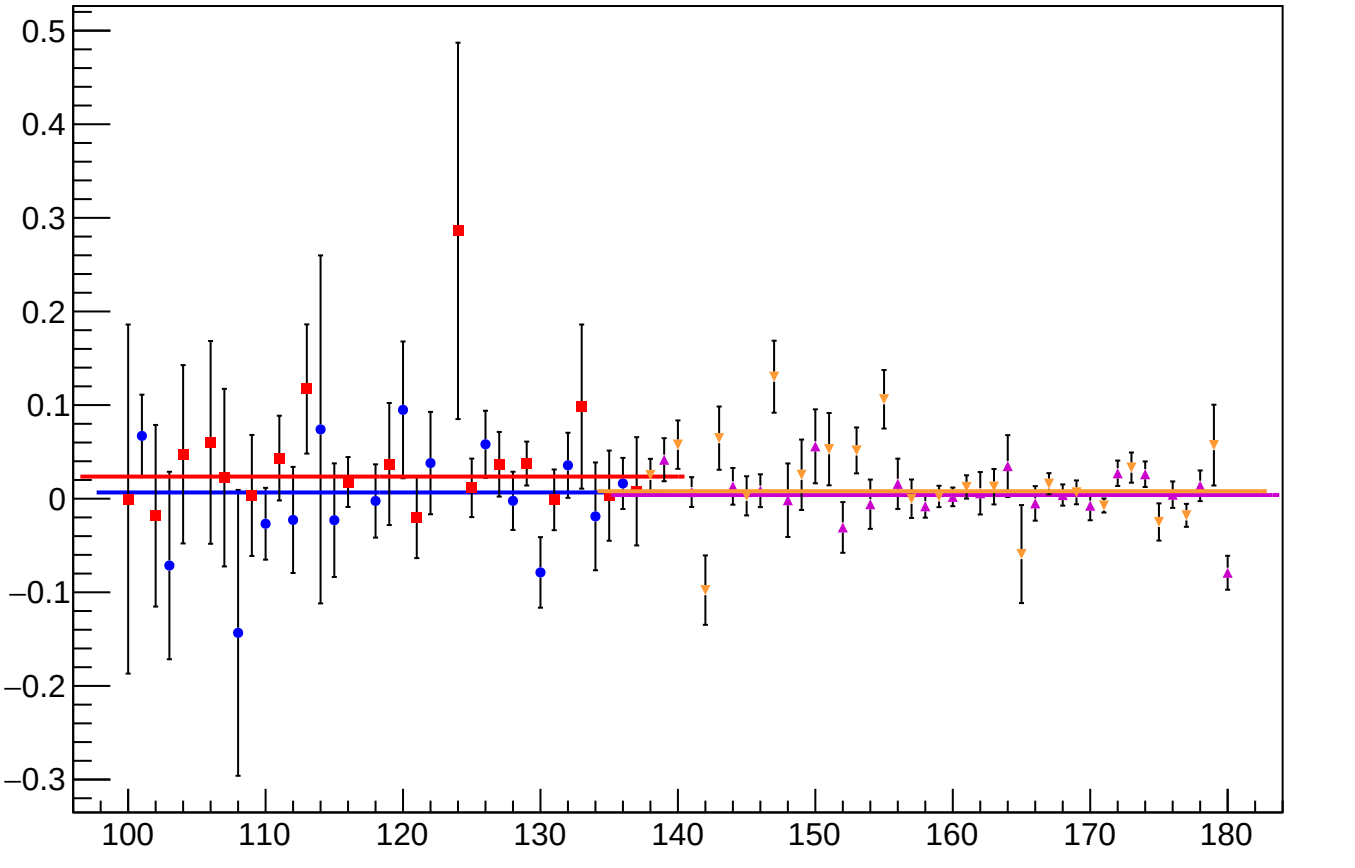
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.998+/-0.003 χ^2/NDF:3444391.2/20

+ sign 13.405+/-0.002 χ^2/NDF: 10562209.9/37

All: 13.742+/-0.002 χ^2/NDF: 19045627.5/77

- 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:58.3/21

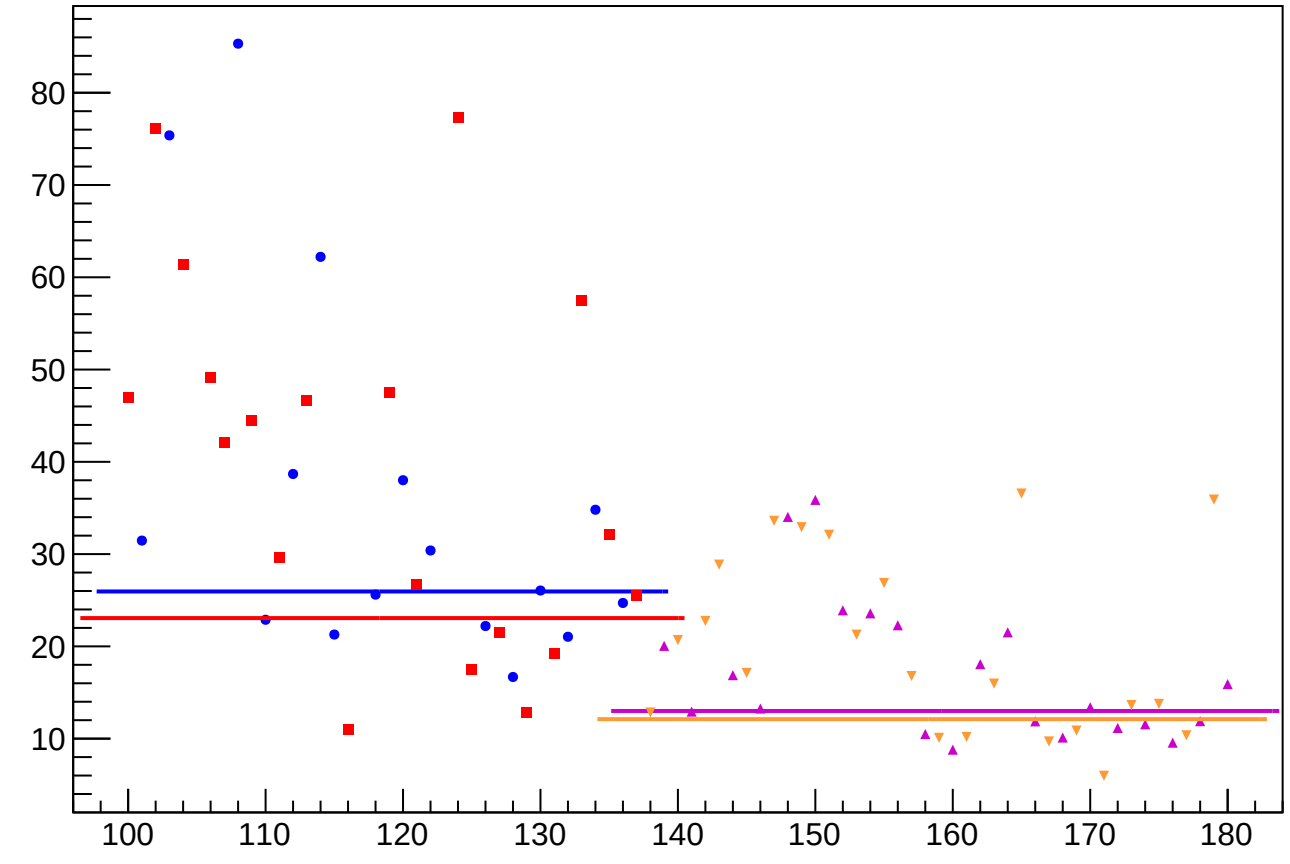
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:36.4/20

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/37

All: 0.007+/-0.002 χ^2/NDF: 120.5/77

- 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: 12.110+/-0.003 χ^2/NDF:6362404.6/21

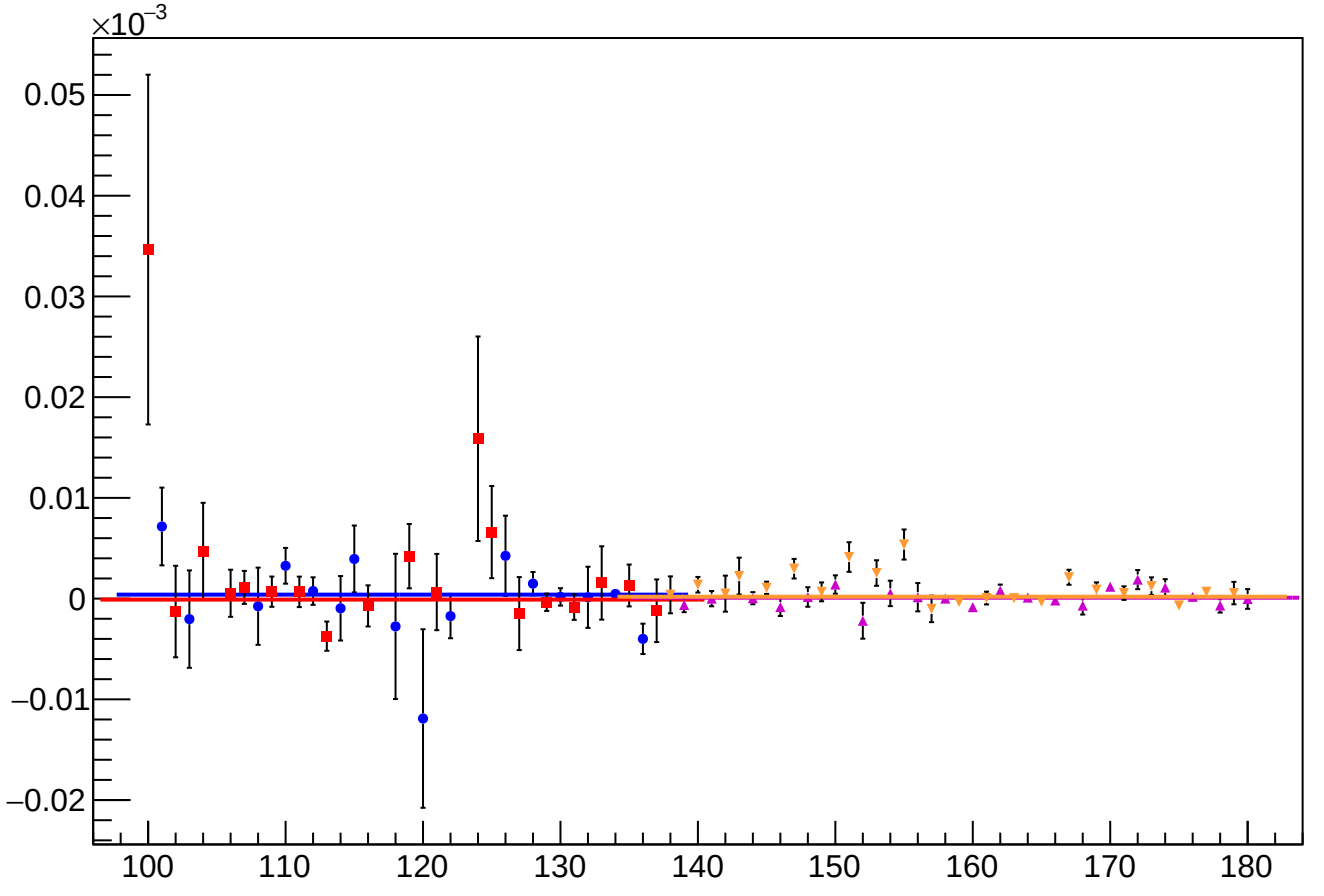
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.998+/-0.003 χ^2/NDF:3444391.2/20

+ sign 13.405+/-0.002 χ^2/NDF: 10562209.9/37

All: 13.742+/-0.002 χ^2/NDF: 19045627.5/77

- 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:60.0/21

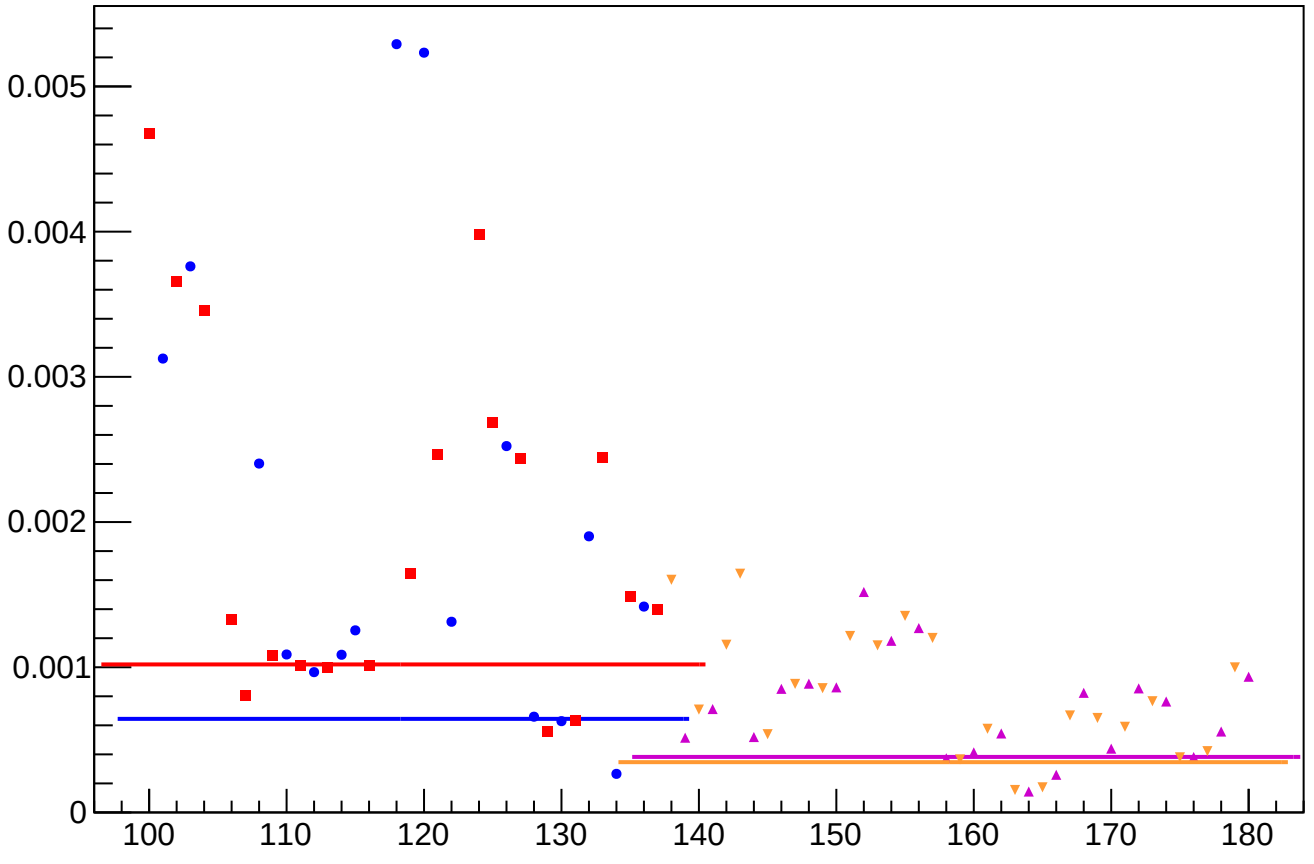
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:23.9/20

\+ sign 0.000+/-0.000 χ^2/NDF: 81.2/37

All: 0.000+/-0.000 χ^2/NDF: 126.4/77

\- 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:13277358.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

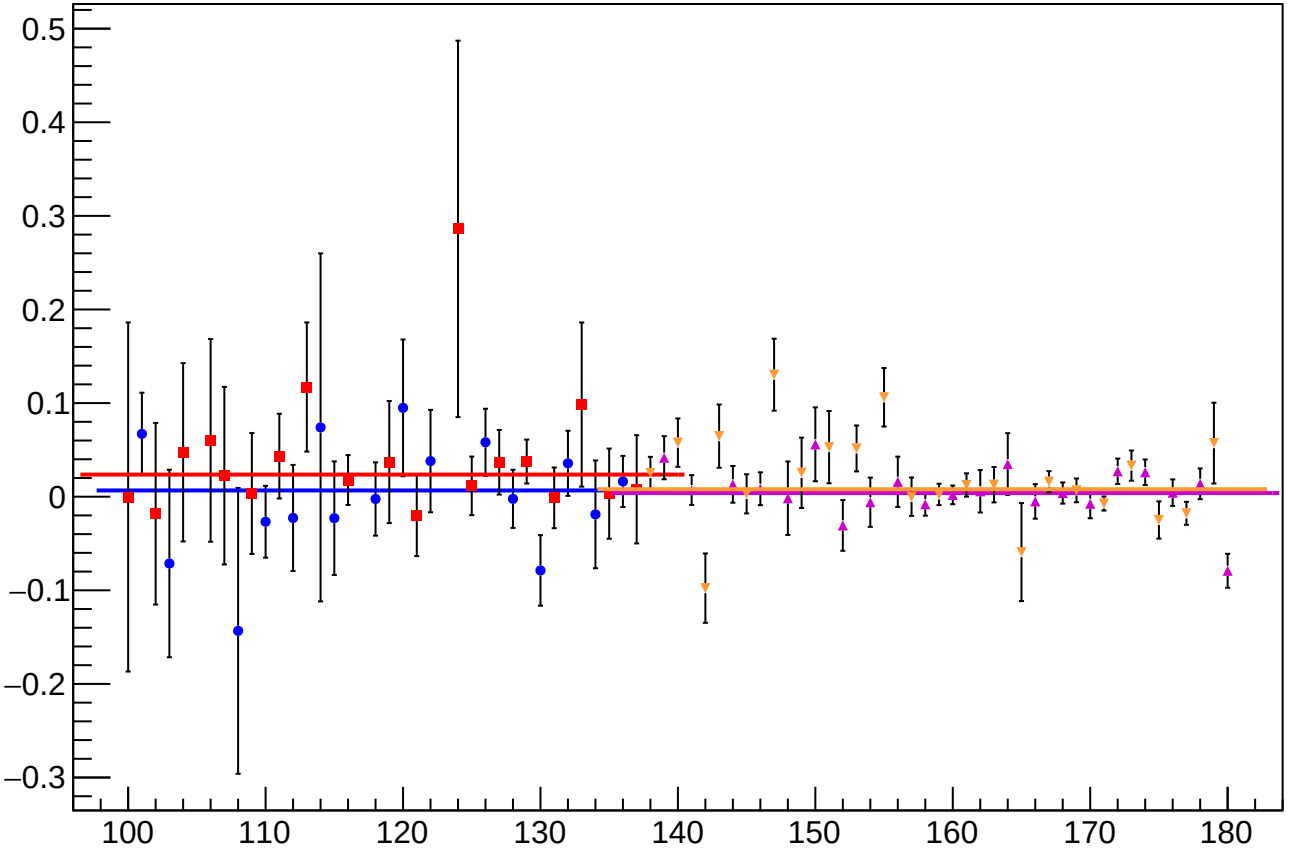
Left In: 0.000+/-0.000 χ^2/NDF:10381501.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 21249546.4/37

All: 0.000+/-0.000 χ^2/NDF: 39252397.1/77

- sign 0.000+/-0.000 χ^2/NDF: 17801233.9/39

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

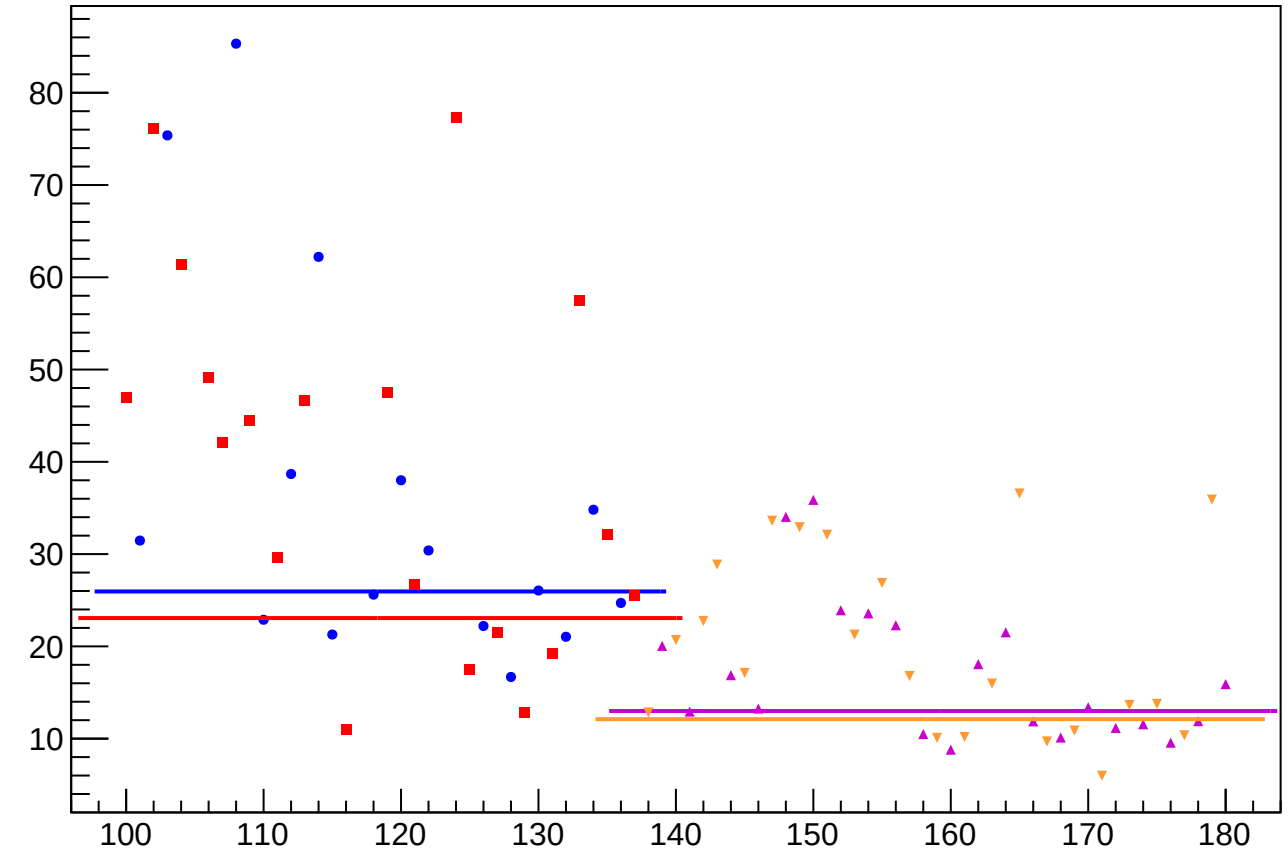
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:36.4/20

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/37

All: 0.007+/-0.002 χ^2/NDF: 120.5/77

- 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: 12.110+/-0.003 χ^2/NDF:6362638.2/21

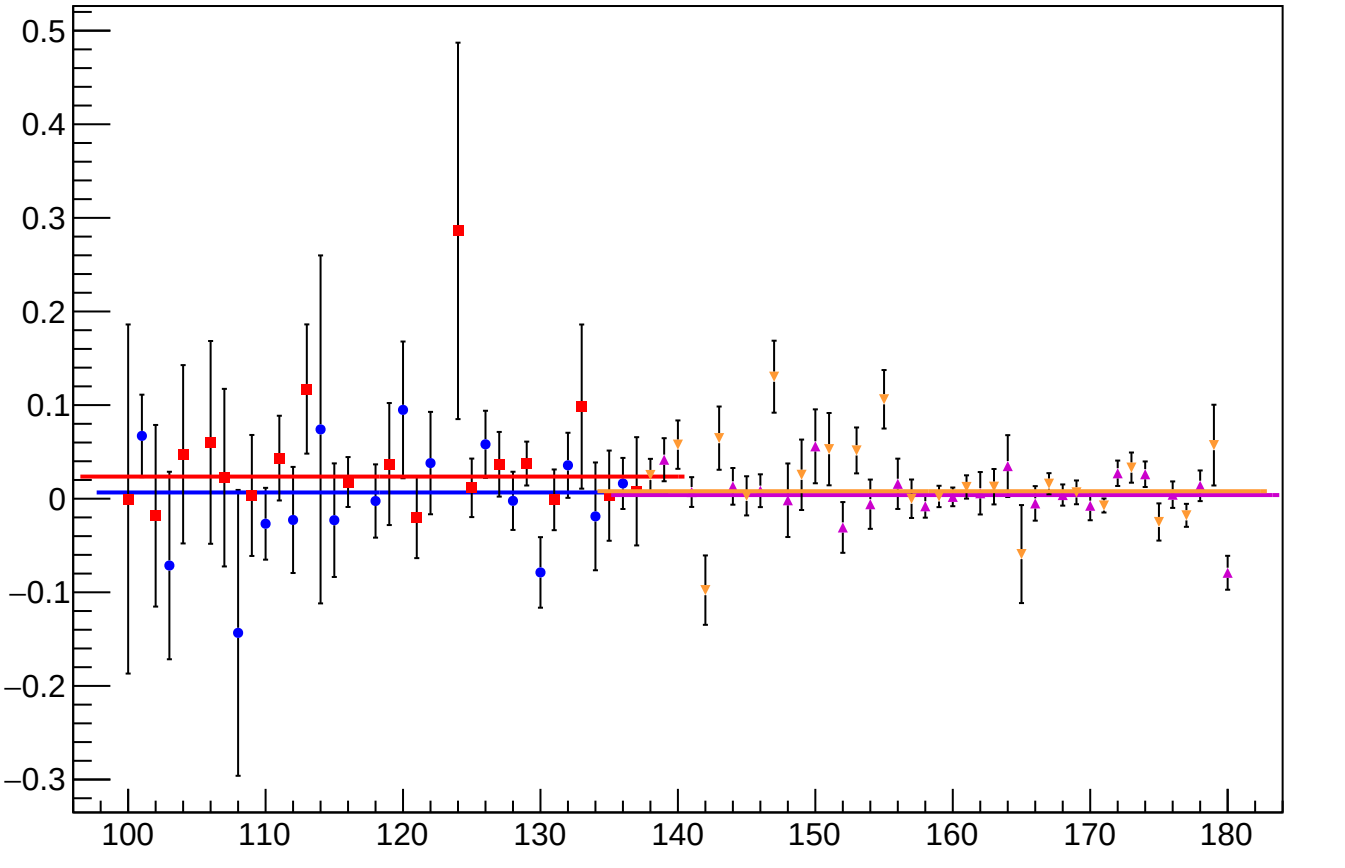
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.998+/-0.003 χ^2/NDF:3444552.7/20

+ sign 13.405+/-0.002 χ^2/NDF: 10562467.0/37

All: 13.742+/-0.002 χ^2/NDF: 19045987.1/77

- 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:58.3/21

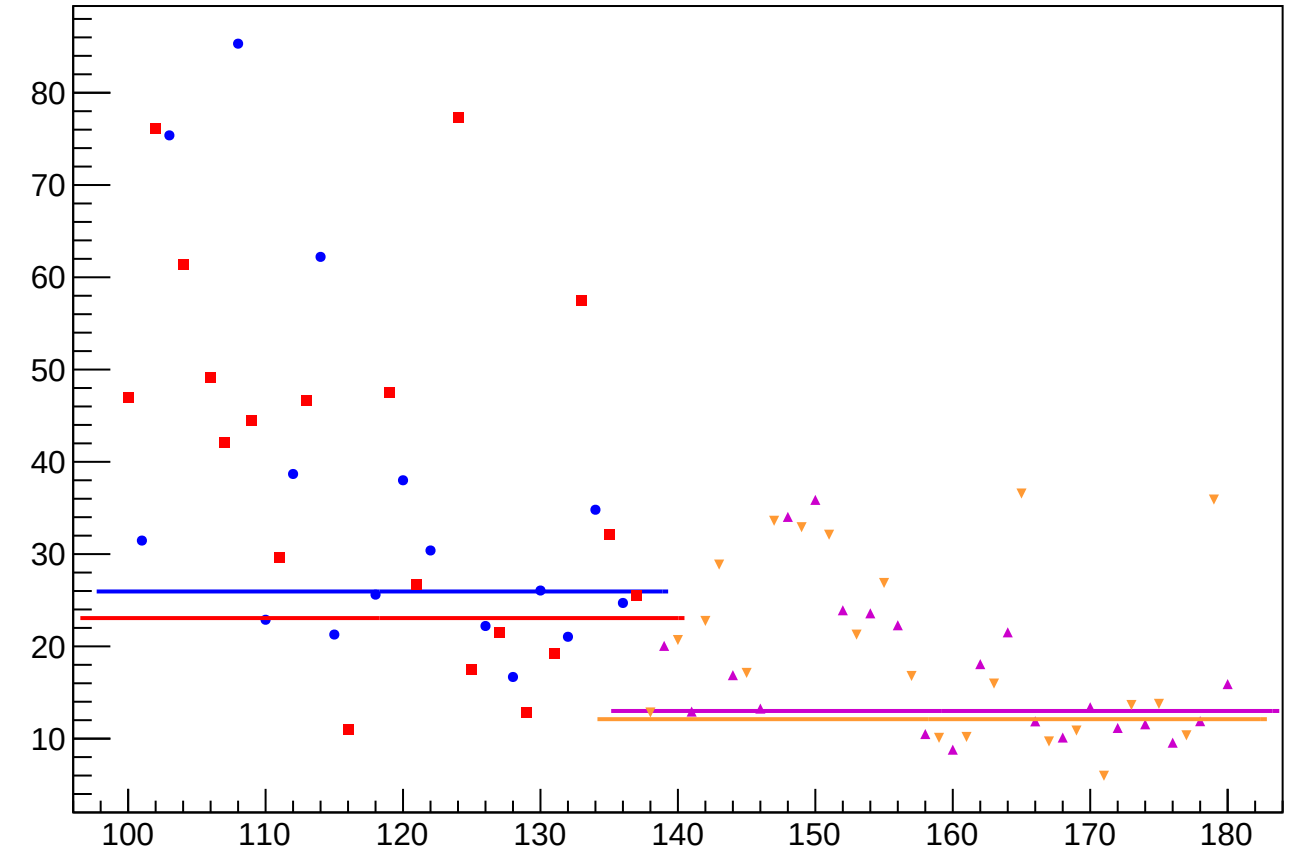
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.004 χ^2/NDF:36.4/20

+ sign 0.008+/-0.003 χ^2/NDF: 73.3/37

All: 0.007+/-0.002 χ^2/NDF: 120.5/77

- 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: 12.110+/-0.003 χ^2/NDF:6362638.2/21

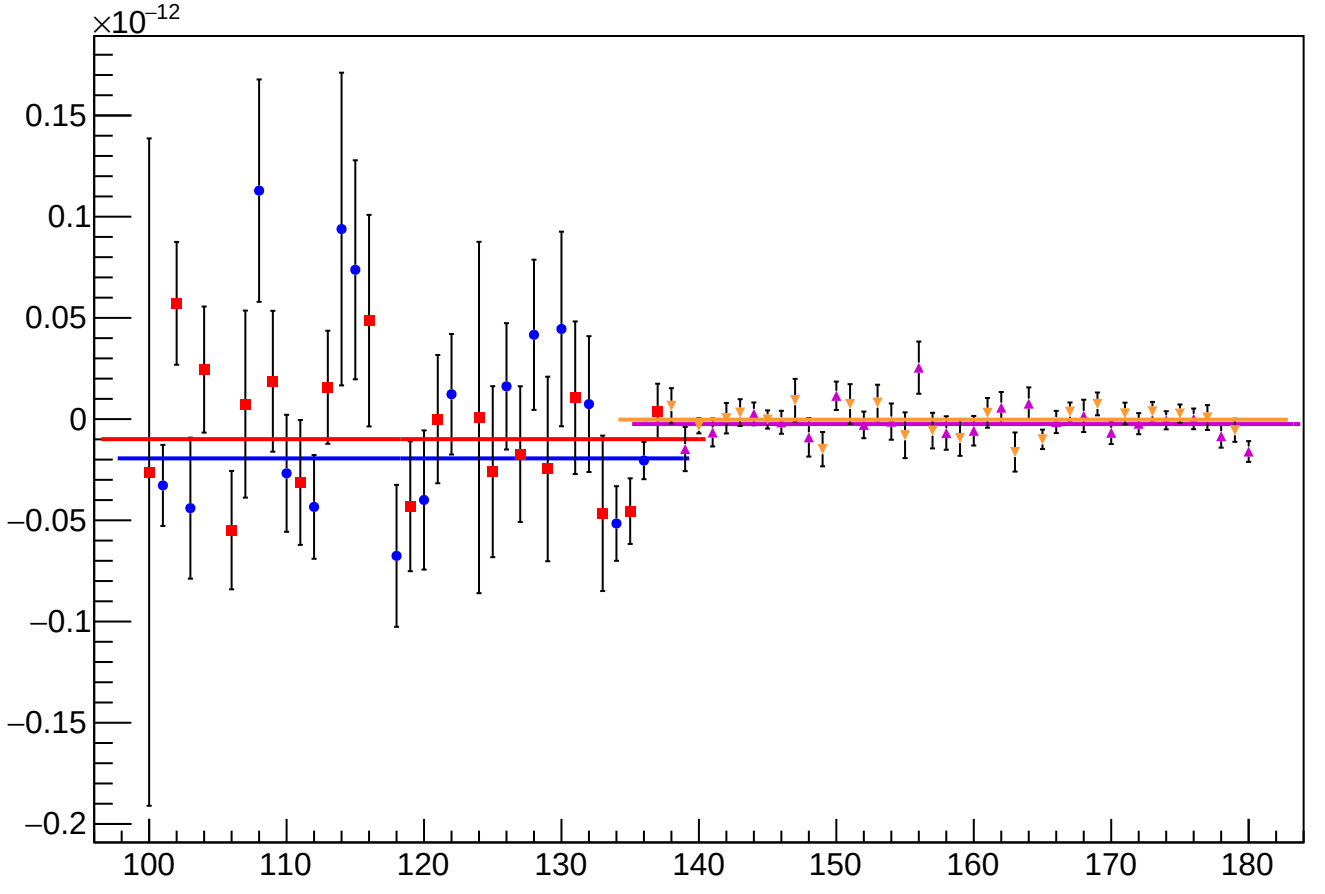
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.998+/-0.003 χ^2/NDF:3444552.7/20

+ sign 13.405+/-0.002 χ^2/NDF: 10562467.0/37

All: 13.742+/-0.002 χ^2/NDF: 19045987.1/77

- 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:20.9/21

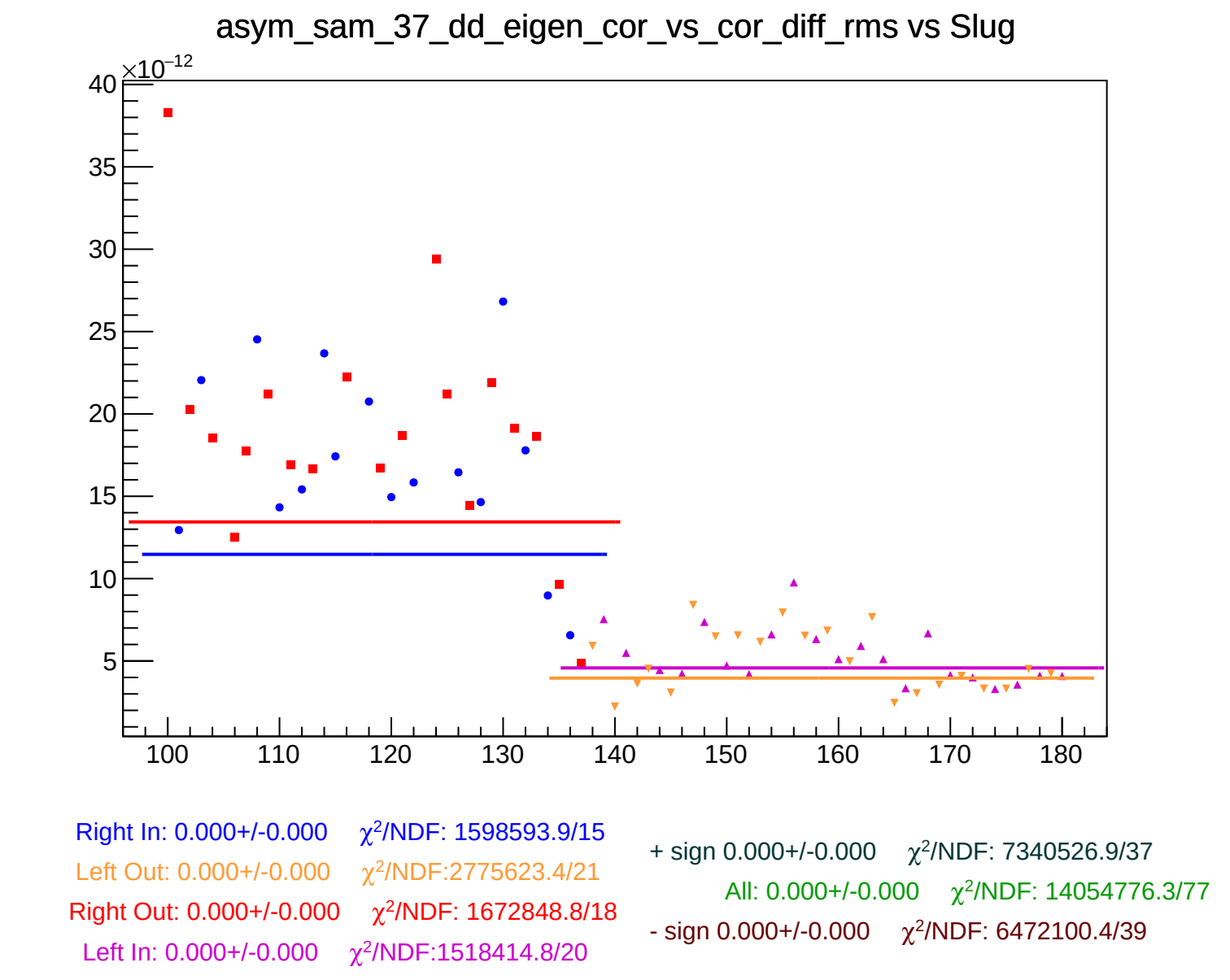
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.2/20

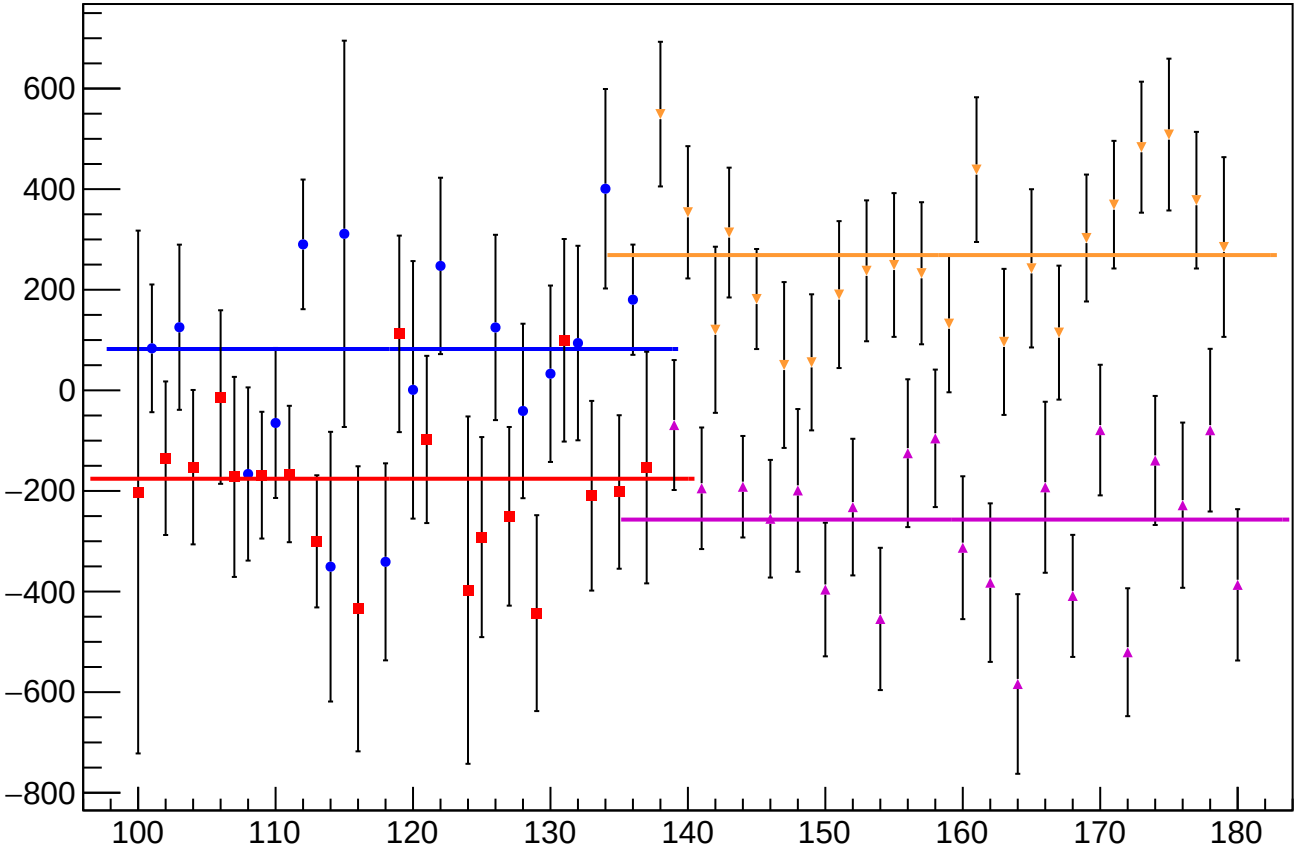
+ sign -0.000+/-0.000 χ^2/NDF: 56.2/37

All: -0.000+/-0.000 χ^2/NDF: 102.7/77

- 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
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2775623.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1518414.8/20
+ sign 0.000+/-0.000 χ²/NDF: 7340526.9/37
All: 0.000+/-0.000 χ²/NDF: 14054776.3/77
- 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: 268.922+/-29.461 χ^2/NDF:22.3/21

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

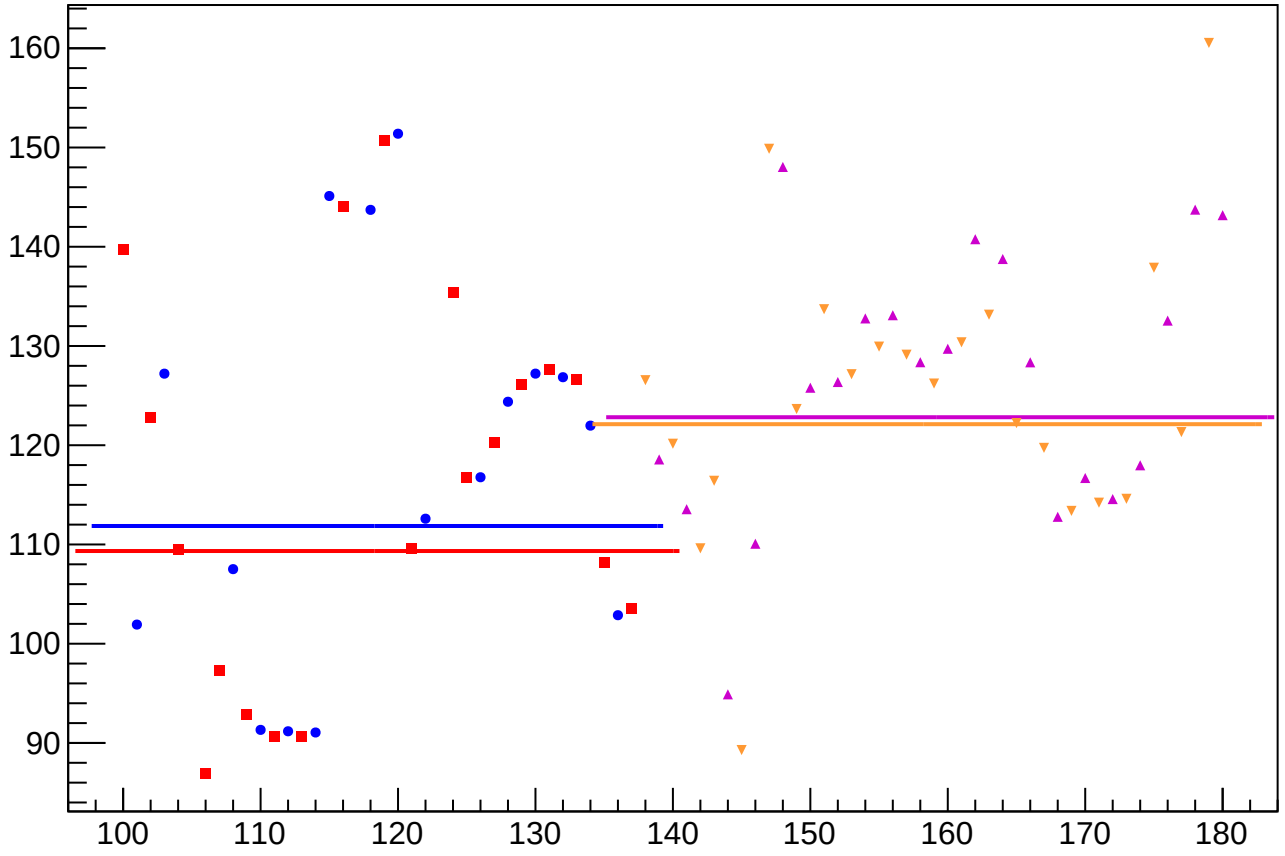
Left In: -256.924+/-29.830 χ^2/NDF:23.1/20

+ sign 207.605+/-24.144 χ^2/NDF: 53.9/37

All: -11.275+/-17.041 χ^2/NDF: 253.2/77

- 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: 122.121+/-0.021 χ^2/NDF:477685.8/21

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

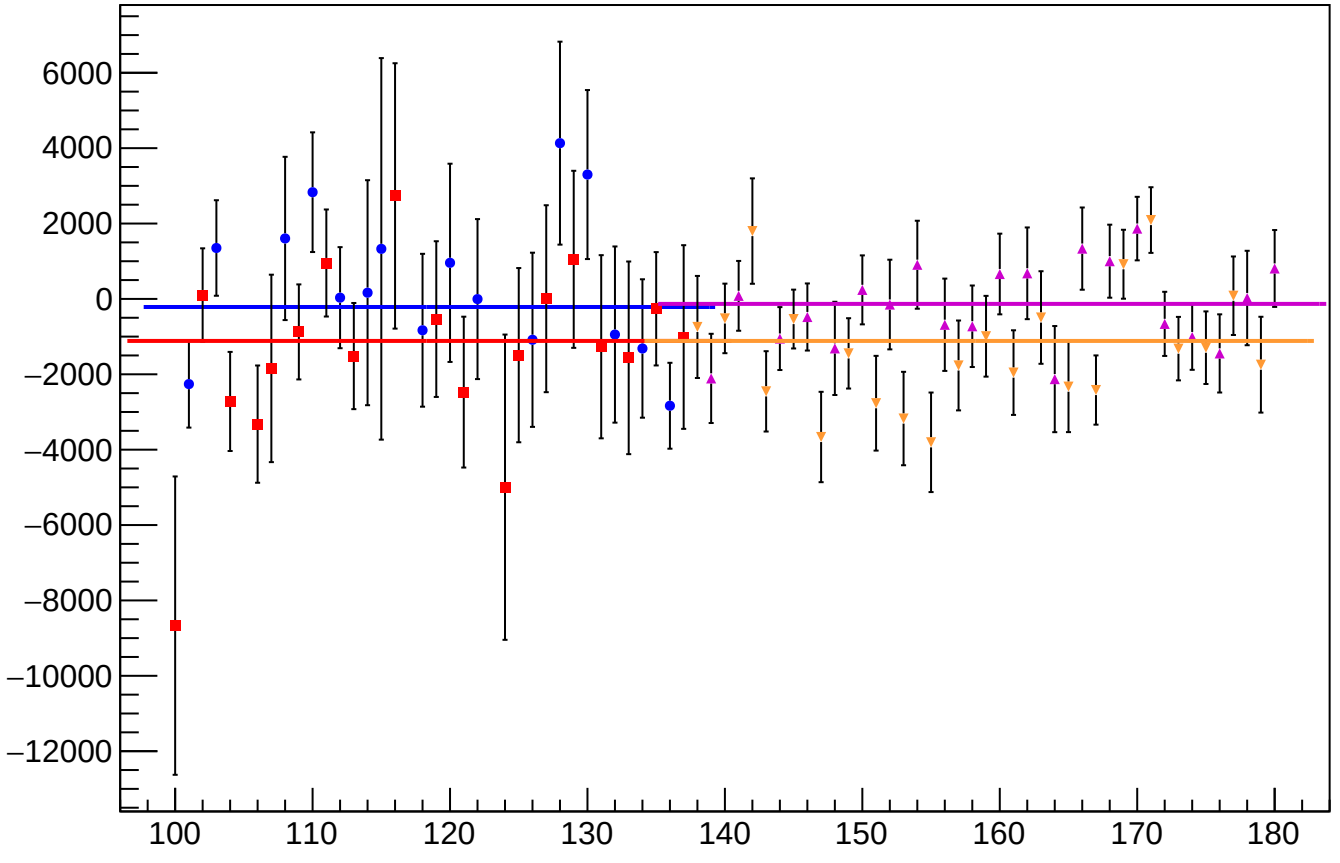
Left In: 122.822+/-0.021 χ^2/NDF:419963.4/20

\+ sign 118.752+/-0.017 χ^2/NDF: 863339.8/37

All: 118.428+/-0.012 χ^2/NDF: 1794121.6/77

\- 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: -1114.802+/-224.167 χ^2/NDF:44.6/21

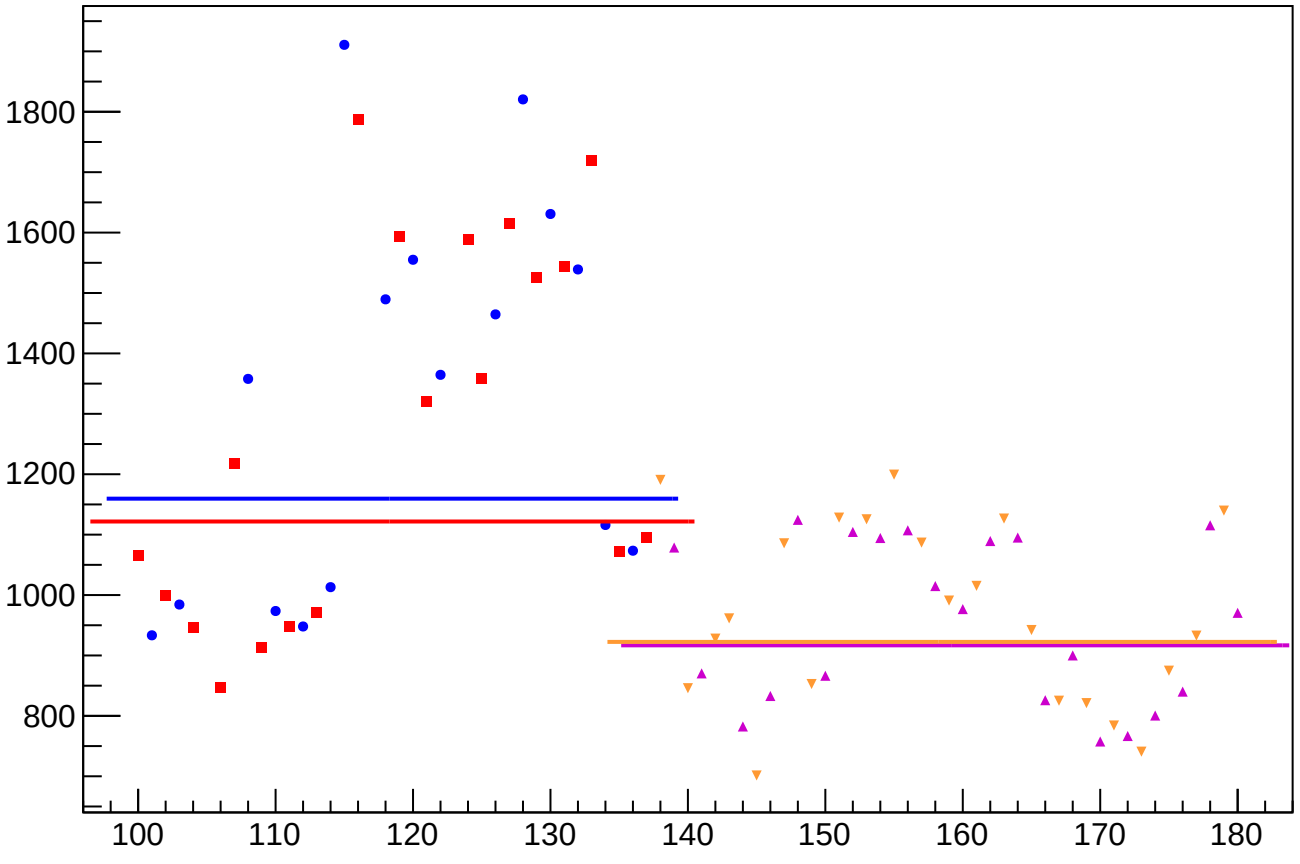
Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: -132.000+/-223.713 χ^2/NDF:22.3/20

+ sign -931.838+/-200.106 χ^2/NDF: 68.3/37

All: -635.853+/-140.660 χ^2/NDF: 113.6/77

- sign -346.758+/-197.763 χ^2/NDF: 41.0/39



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 922.459+/-0.159 χ^2/NDF:868578.0/21

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

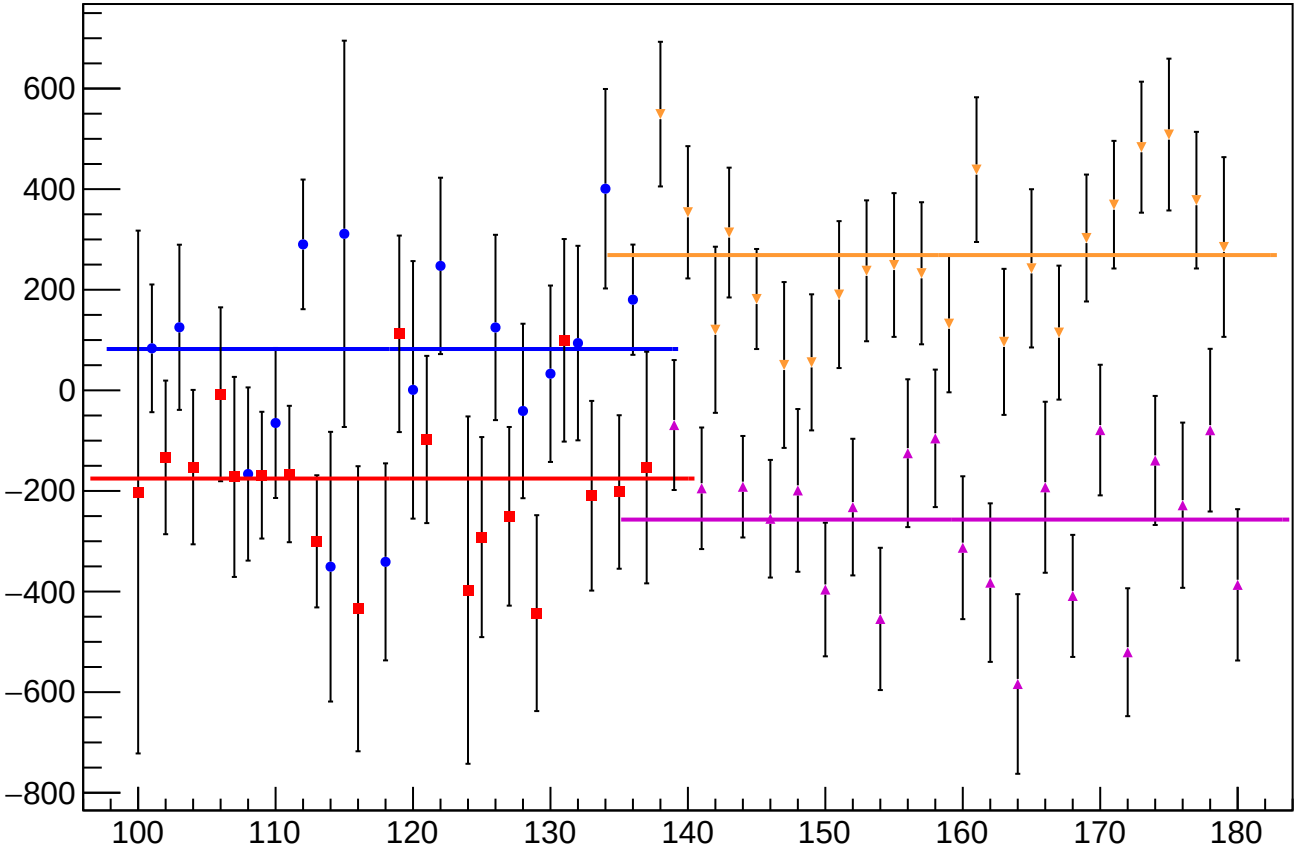
Left In: 916.763+/-0.158 χ^2/NDF:664532.9/20

+ sign 970.629+/-0.141 χ^2/NDF: 2006844.8/37

All: 966.041+/-0.099 χ^2/NDF: 3822703.4/77

- 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: 268.927+/-29.461 χ^2/NDF:22.3/21

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

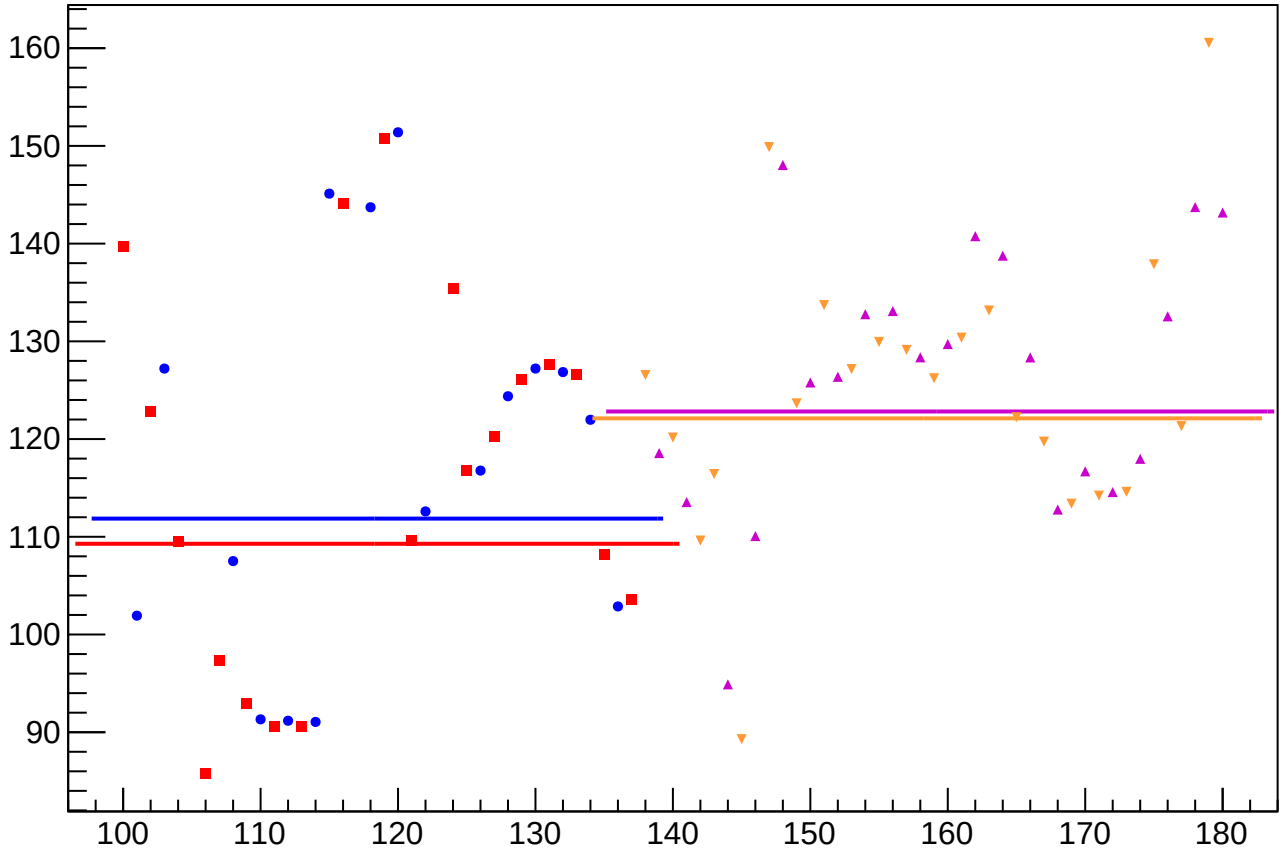
Left In: -256.927+/-29.830 χ^2/NDF:23.1/20

+ sign 207.604+/-24.144 χ^2/NDF: 53.9/37

All: -11.199+/-17.041 χ^2/NDF: 253.2/77

- 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: 122.121+/-0.021 χ^2/NDF:477685.8/21

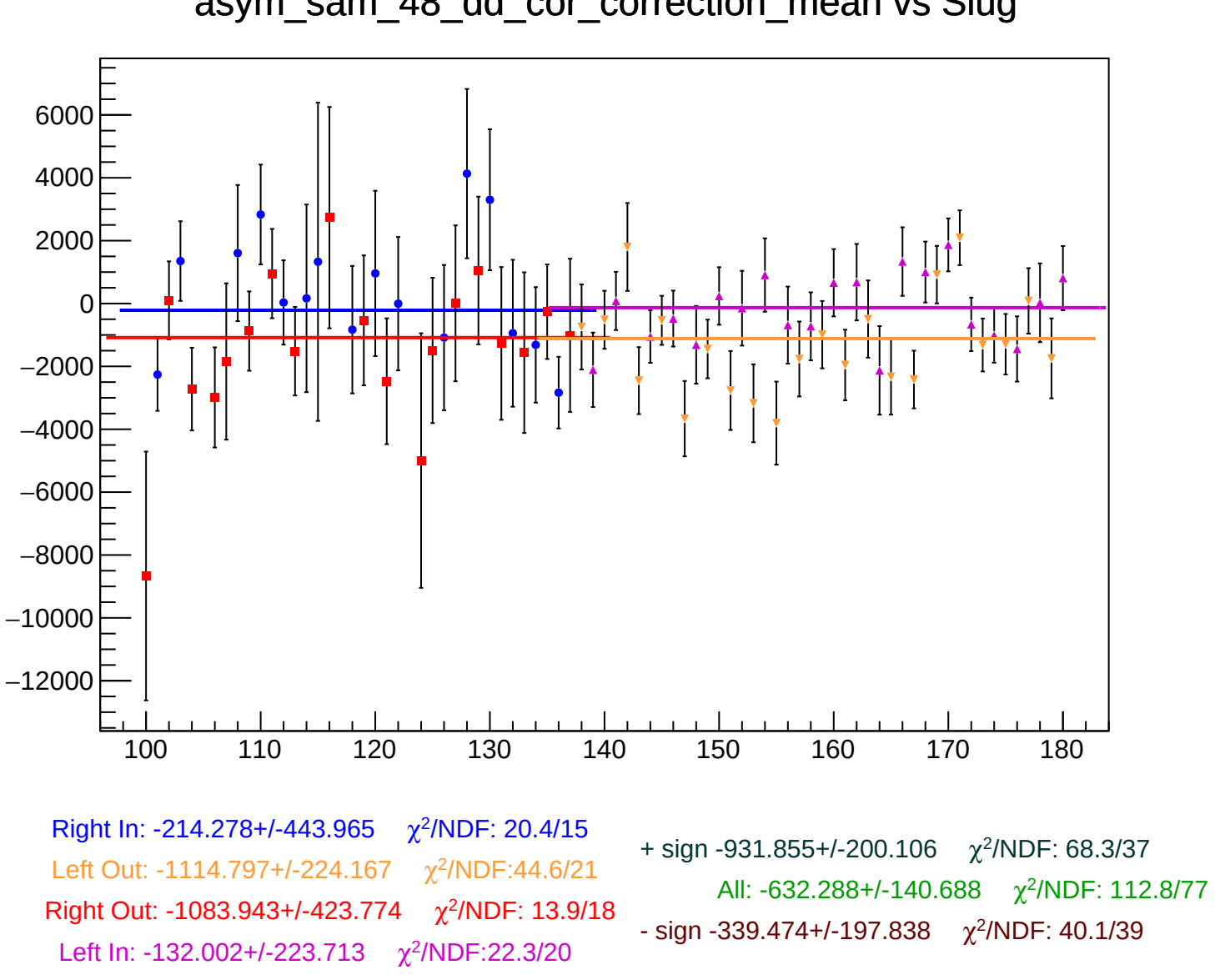
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

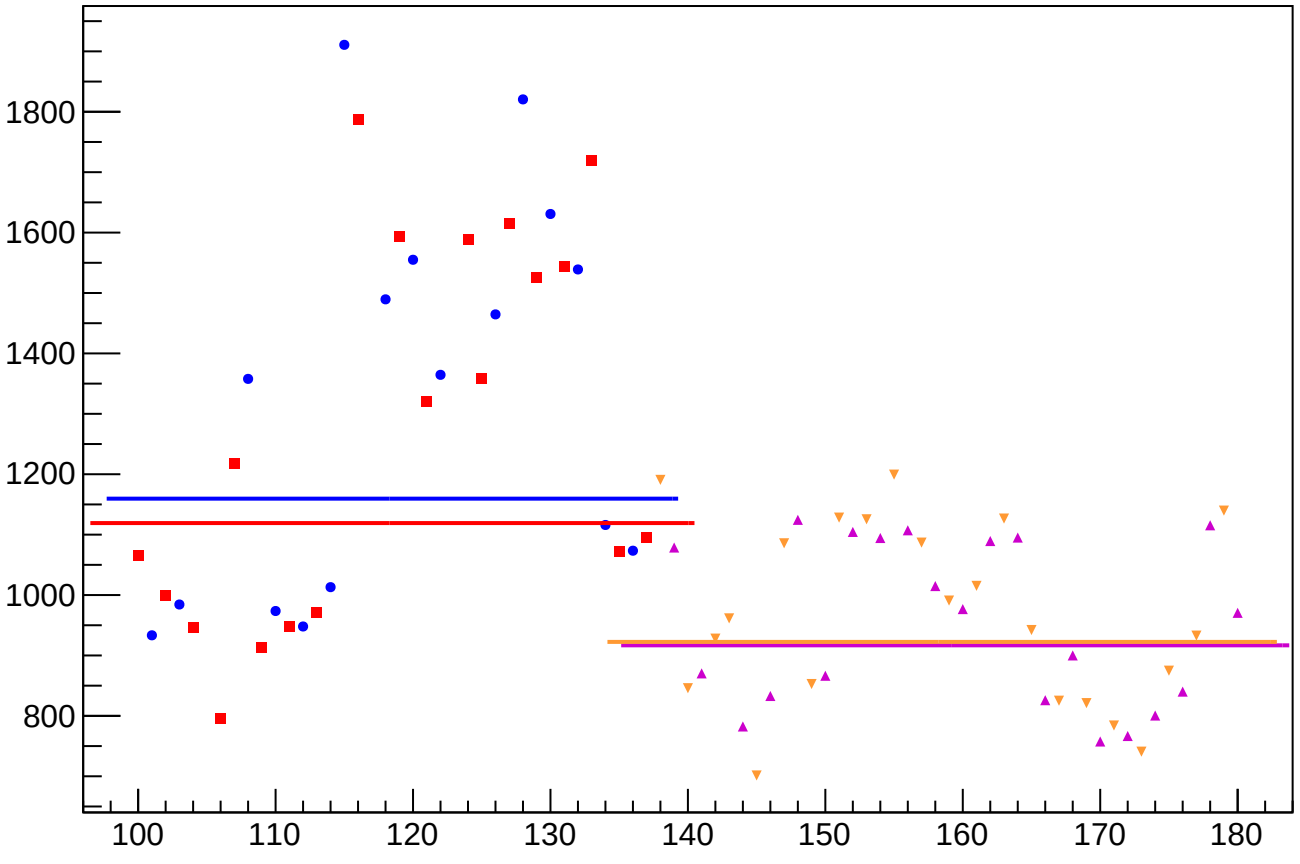
Left In: 122.822+/-0.021 χ^2/NDF:419963.4/20

+ sign 118.752+/-0.017 χ^2/NDF: 863340.5/37

All: 118.419+/-0.012 χ^2/NDF: 1798823.1/77

- sign 118.088+/-0.017 χ^2/NDF: 934723.0/39


asym_sam_48_dd_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: -214.278+/-443.965 χ²/NDF: 20.4/15
Left Out: -1114.797+/-224.167 χ²/NDF:44.6/21
Right Out: -1083.943+/-423.774 χ²/NDF: 13.9/18
Left In: -132.002+/-223.713 χ²/NDF:22.3/20
+ sign -931.855+/-200.106 χ²/NDF: 68.3/37
All: -632.288+/-140.688 χ²/NDF: 112.8/77
- sign -339.474+/-197.838 χ²/NDF: 40.1/39



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 922.459+/-0.159 χ^2/NDF:868578.3/21

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

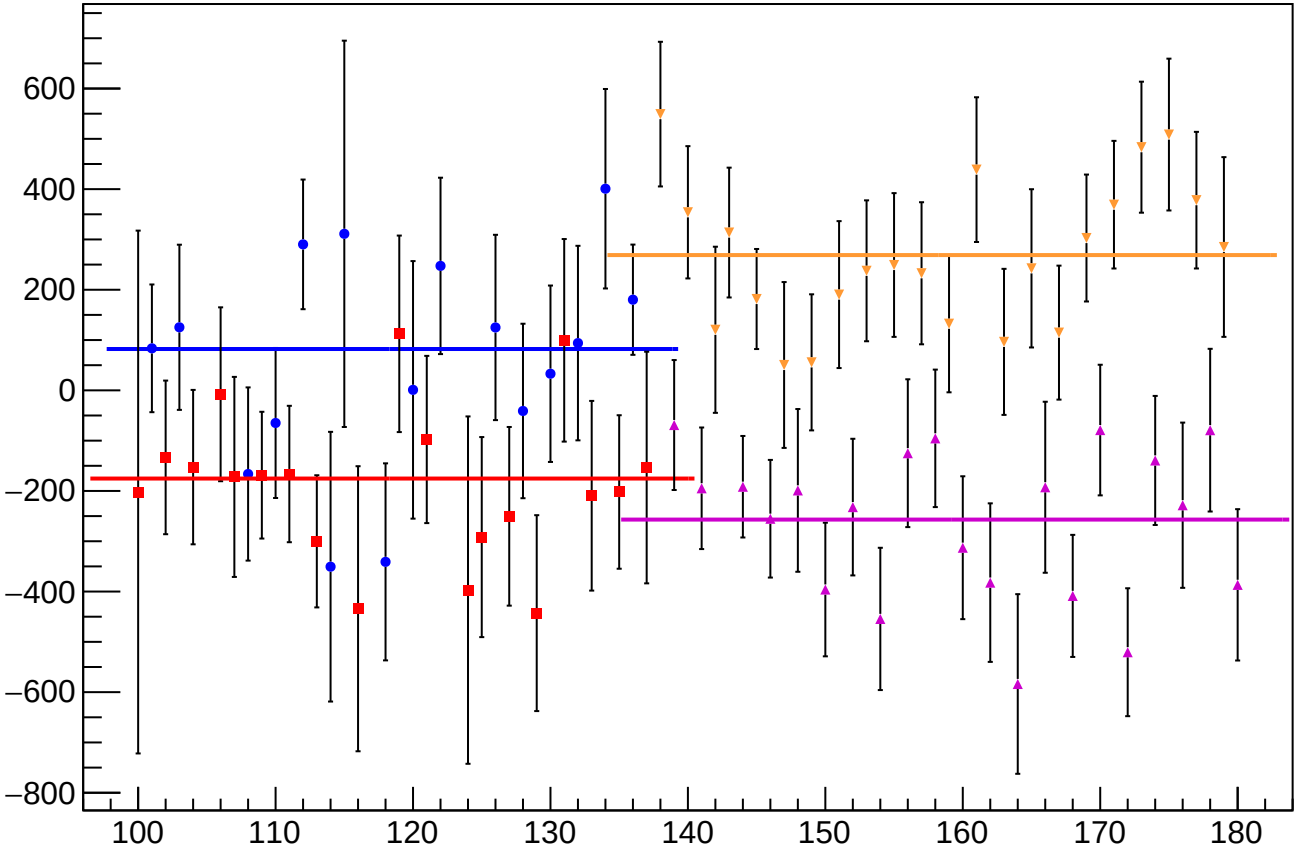
Left In: 916.763+/-0.158 χ^2/NDF:664534.1/20

+ sign 970.630+/-0.141 χ^2/NDF: 2006845.9/37

All: 965.696+/-0.099 χ^2/NDF: 3833706.2/77

- 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: 268.927+/-29.461 χ^2/NDF:22.3/21

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

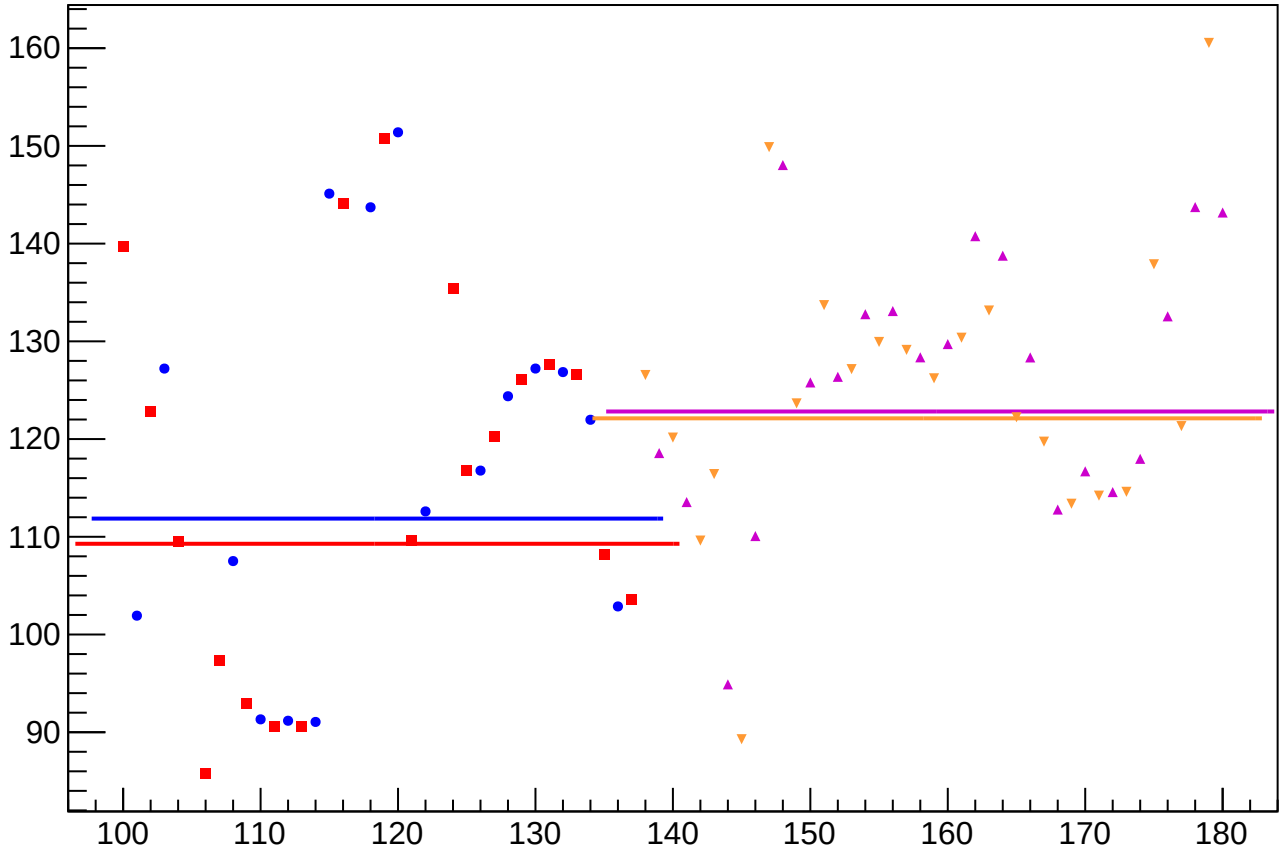
Left In: -256.927+/-29.830 χ^2/NDF:23.1/20

+ sign 207.604+/-24.144 χ^2/NDF: 53.9/37

All: -11.199+/-17.041 χ^2/NDF: 253.2/77

- 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: 122.121+/-0.021 χ^2/NDF:477685.8/21

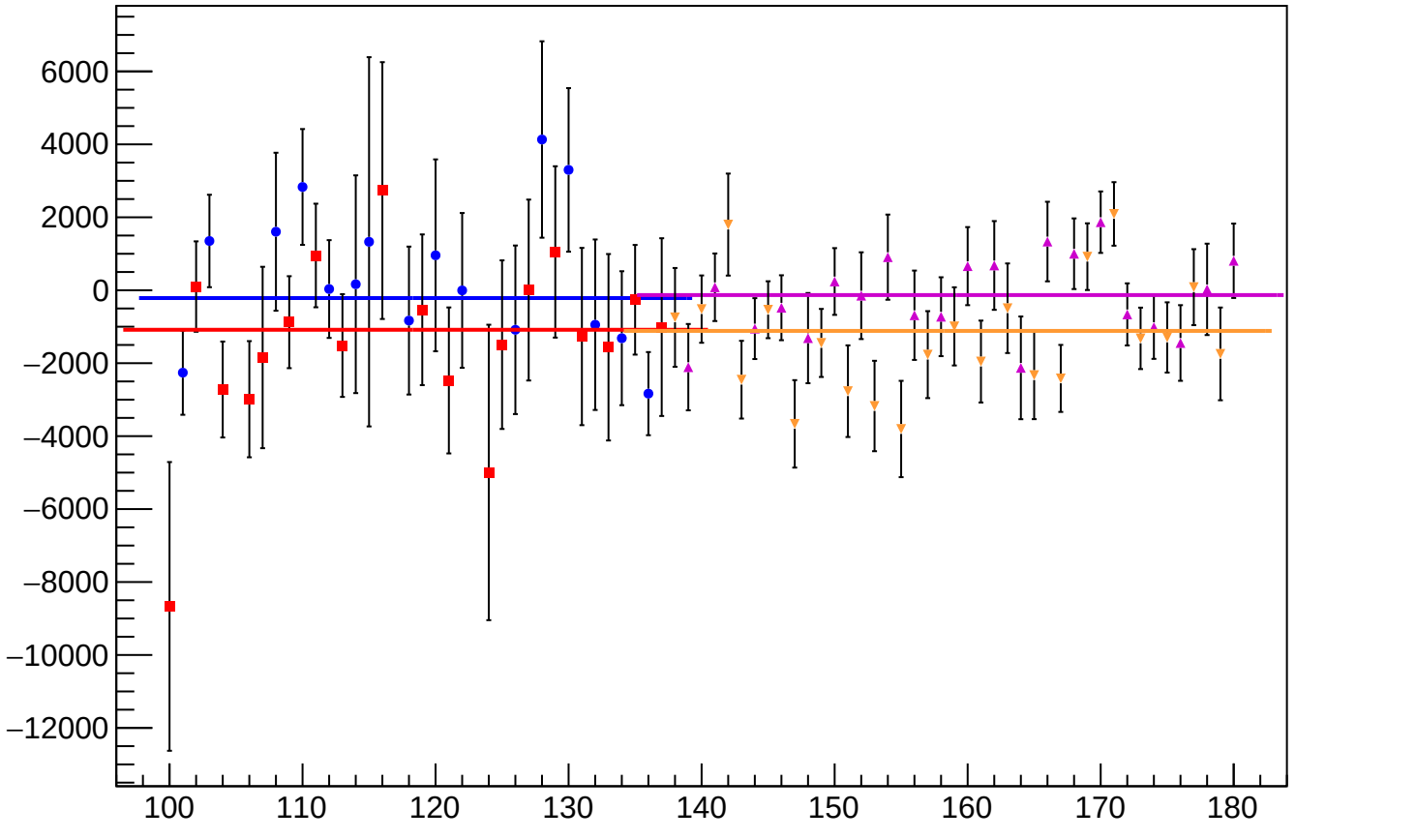
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.822+/-0.021 χ^2/NDF:419963.4/20

+ sign 118.752+/-0.017 χ^2/NDF: 863340.5/37

All: 118.419+/-0.012 χ^2/NDF: 1798823.1/77

- 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: -1114.797+/-224.167 χ^2/NDF:44.6/21

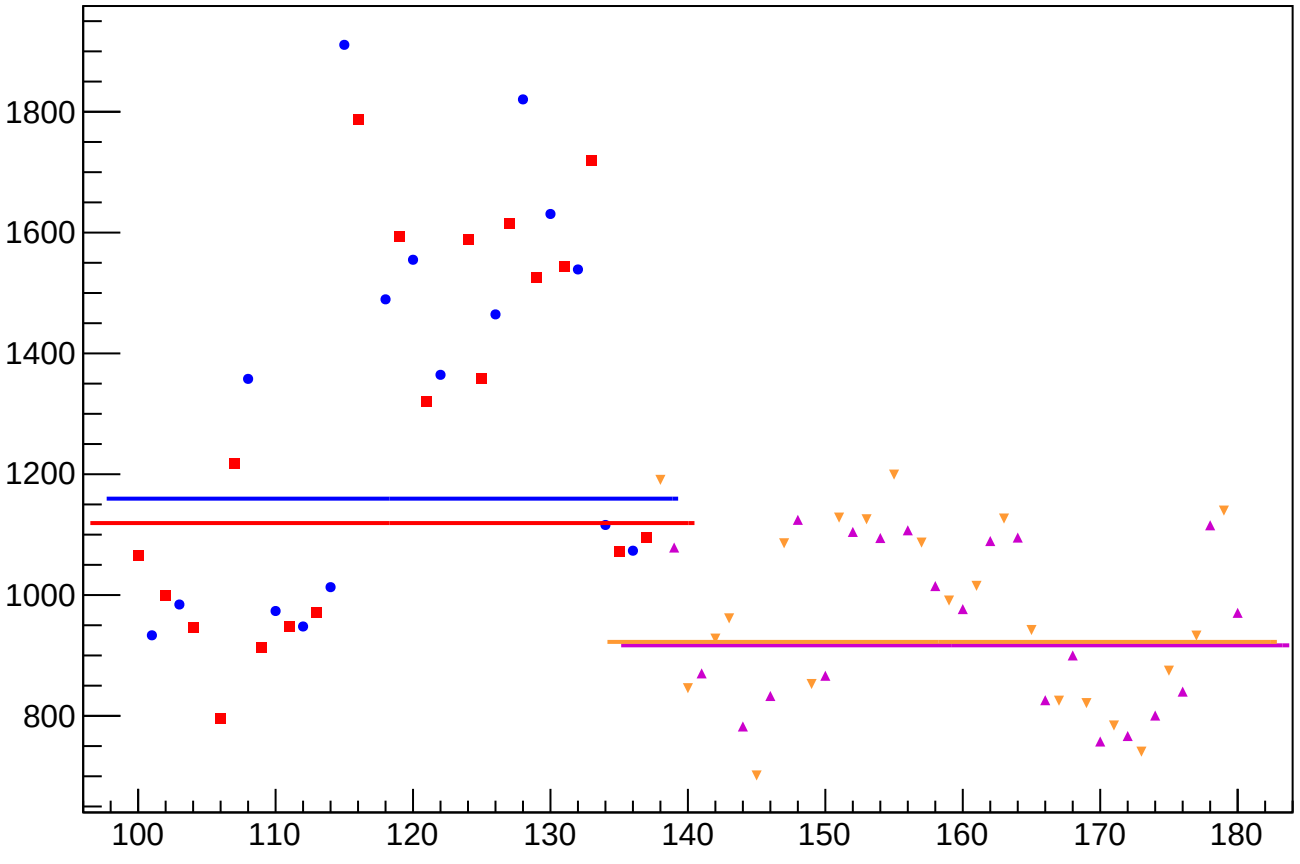
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -132.002+/-223.713 χ^2/NDF:22.3/20

+ sign -931.855+/-200.106 χ^2/NDF: 68.3/37

All: -632.288+/-140.688 χ^2/NDF: 112.8/77

- 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: 922.459+/-0.159 χ^2/NDF:868578.3/21

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

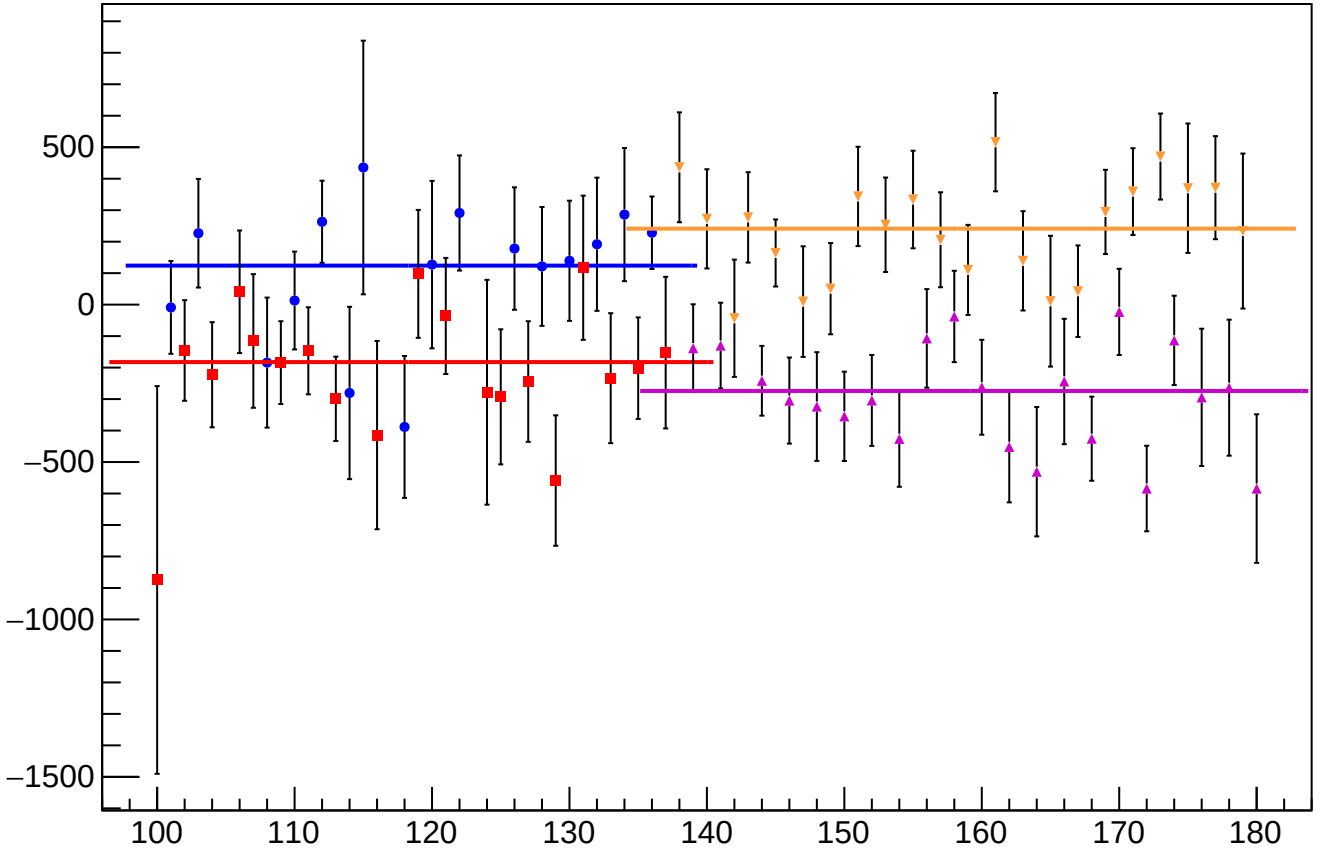
Left In: 916.763+/-0.158 χ^2/NDF:664534.1/20

+ sign 970.630+/-0.141 χ^2/NDF: 2006845.9/37

All: 965.696+/-0.099 χ^2/NDF: 3833706.2/77

- 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: 241.321+/-32.808 χ^2/NDF:20.7/21

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

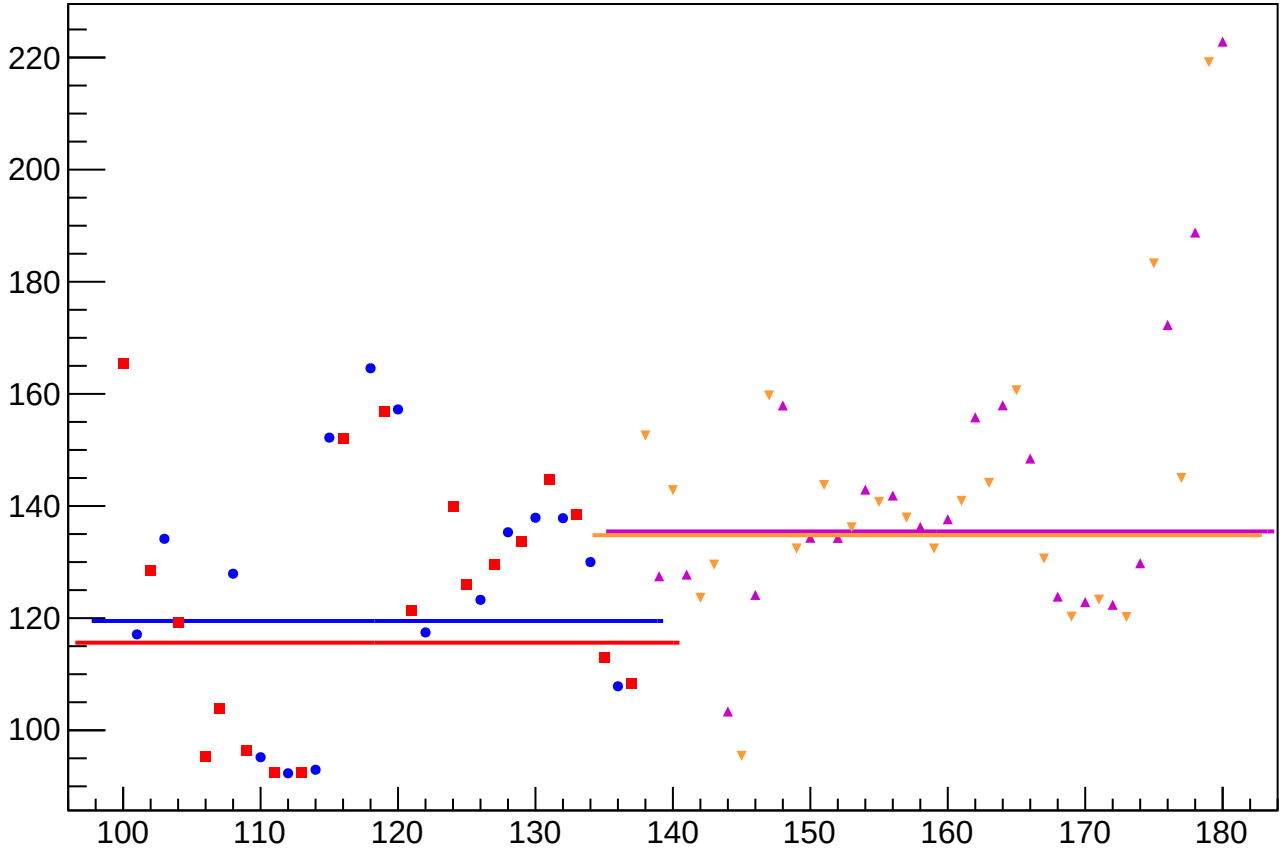
Left In: -274.270+/-33.303 χ^2/NDF:22.9/20

+ sign 200.846+/-26.559 χ^2/NDF: 40.5/37

All: -21.098+/-18.717 χ^2/NDF: 217.3/77

- 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: 134.788+/-0.023 χ^2/NDF:817836.9/21

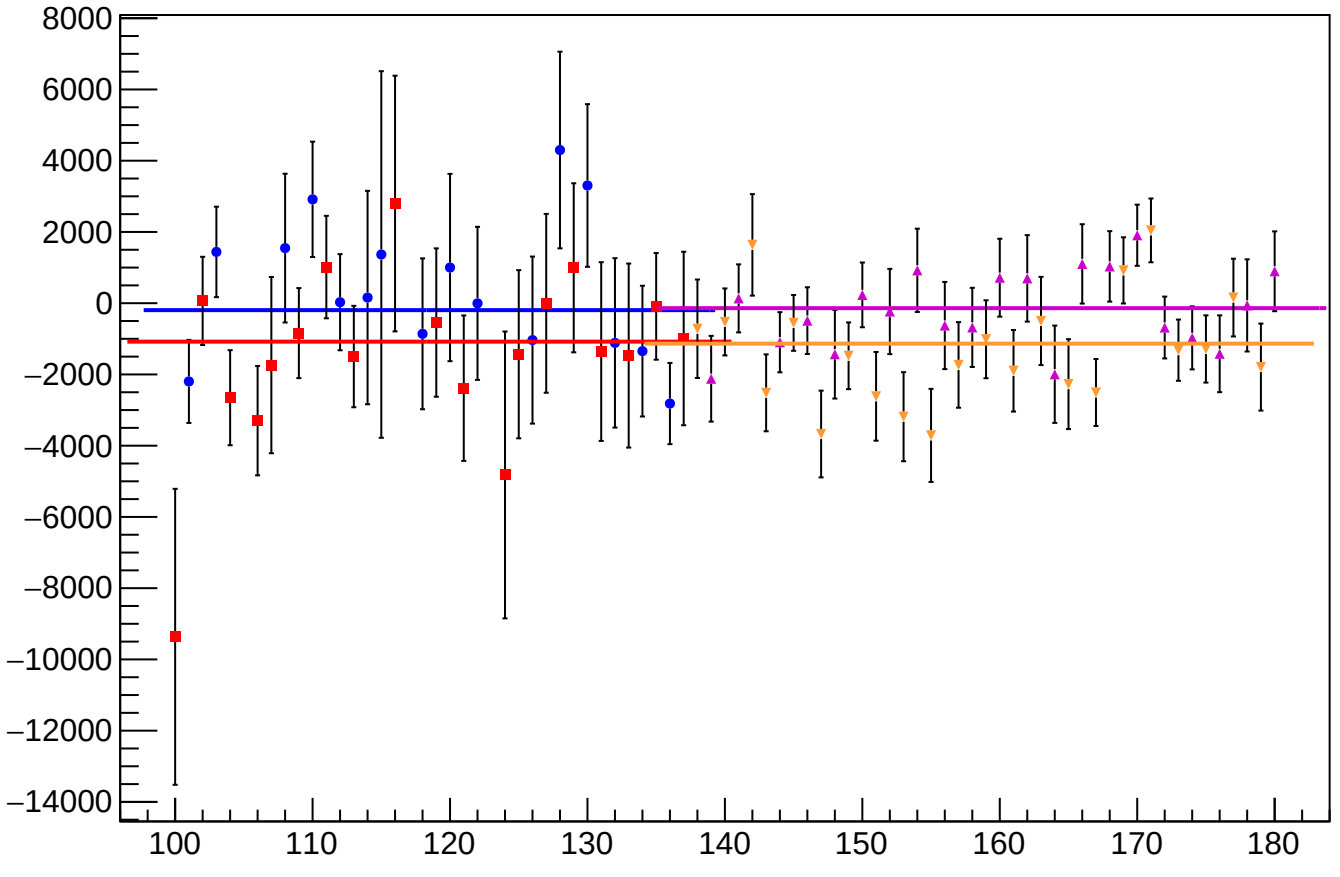
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 135.469+/-0.024 χ^2/NDF:803588.6/20

+ sign 129.517+/-0.019 χ^2/NDF: 1347884.0/37

All: 128.792+/-0.013 χ^2/NDF: 2846008.4/77

- sign 128.076+/-0.019 χ^2/NDF: 1495162.3/39



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1135.447+/-226.956 χ^2/NDF:42.1/21

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

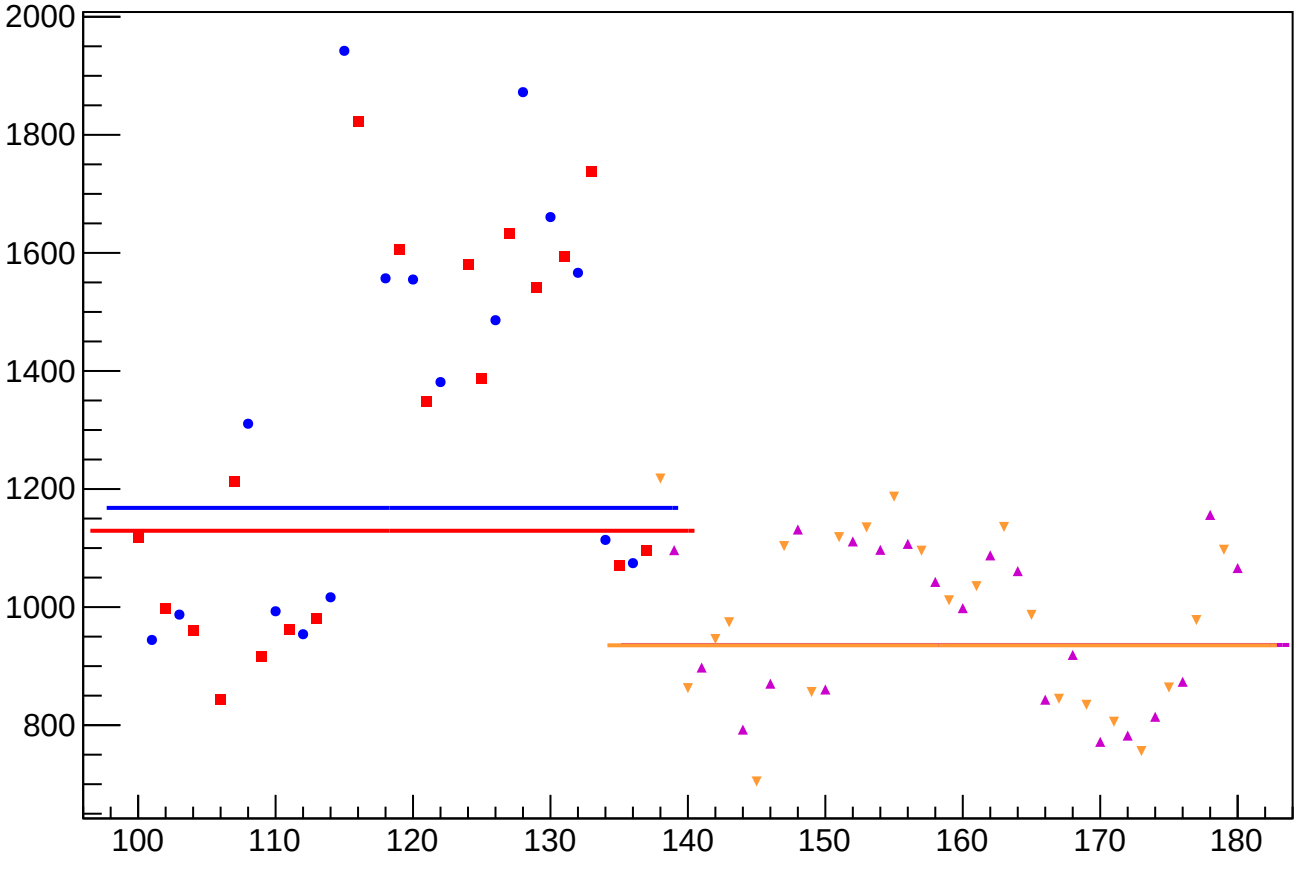
Left In: -139.154+/-228.288 χ^2/NDF:21.5/20

+ sign -942.943+/-202.397 χ^2/NDF: 66.0/37

All: -644.210+/-142.695 χ^2/NDF: 110.2/77

- 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: 935.278+/-0.160 χ^2/NDF:829405.5/21

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

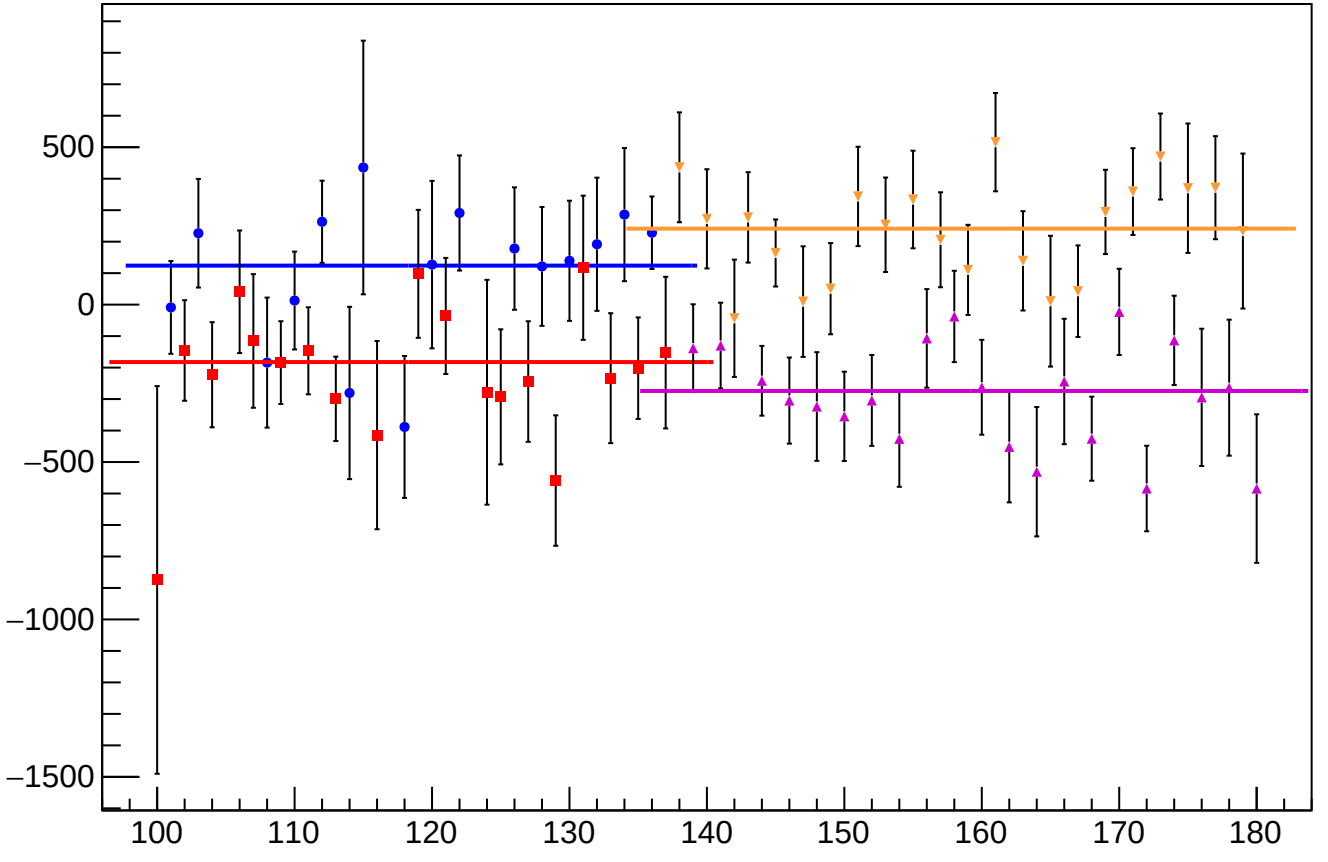
Left In: 935.849+/-0.161 χ^2/NDF:642100.7/20

+ sign 982.932+/-0.143 χ^2/NDF: 1969493.2/37

All: 980.965+/-0.101 χ^2/NDF: 3739719.9/77

- 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: 241.324+/-32.808 χ^2/NDF:20.7/21

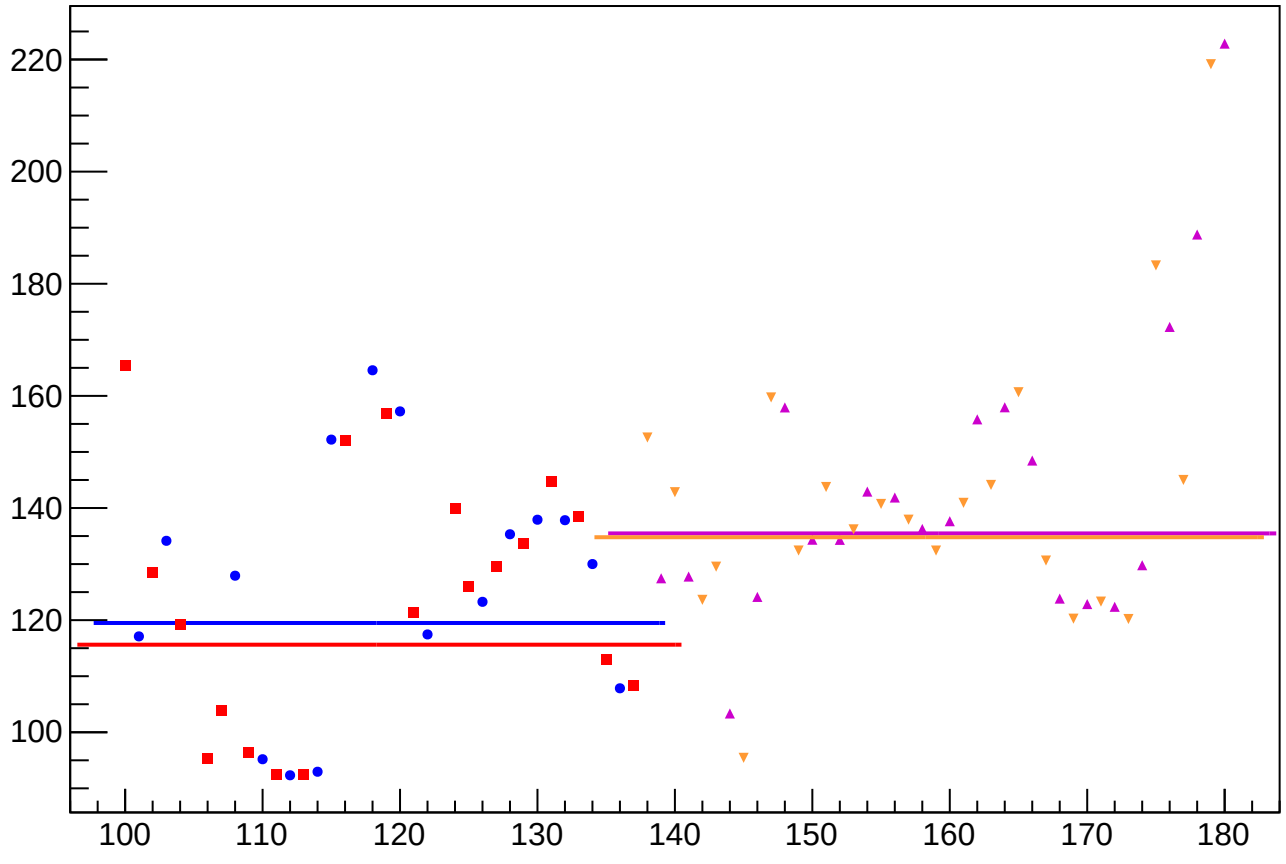
Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: -274.271+/-33.303 χ^2/NDF:22.9/20

+ sign 200.849+/-26.559 χ^2/NDF: 40.5/37

All: -21.097+/-18.717 χ^2/NDF: 217.3/77

- sign -240.075+/-26.381 χ^2/NDF: 38.1/39



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 134.788+/-0.023 χ^2/NDF:817842.0/21

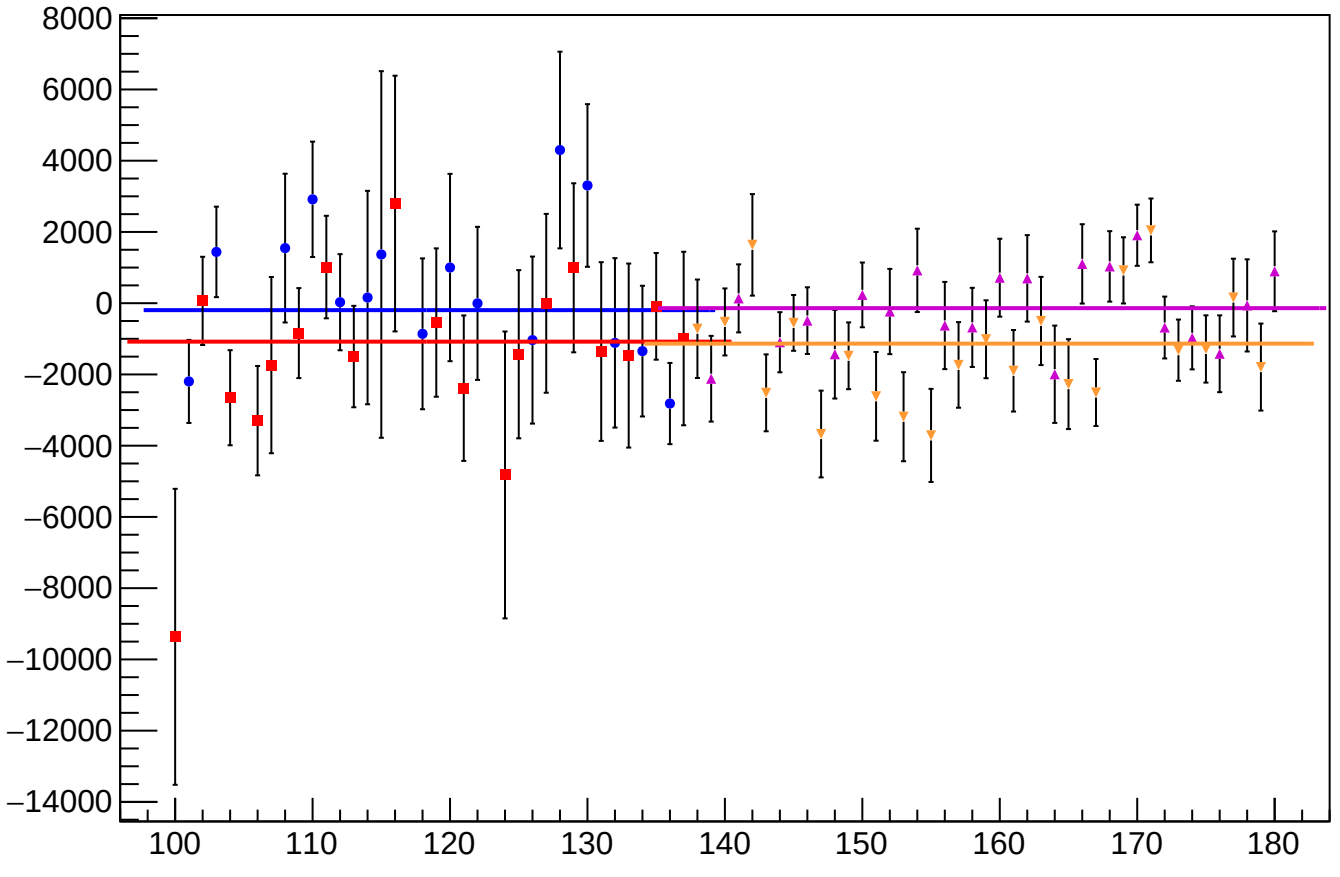
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 135.469+/-0.024 χ^2/NDF:803572.9/20

+ sign 129.517+/-0.019 χ^2/NDF: 1347892.1/37

All: 128.792+/-0.013 χ^2/NDF: 2846006.7/77

- 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: -1135.445+/-226.956 χ^2/NDF:42.1/21

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

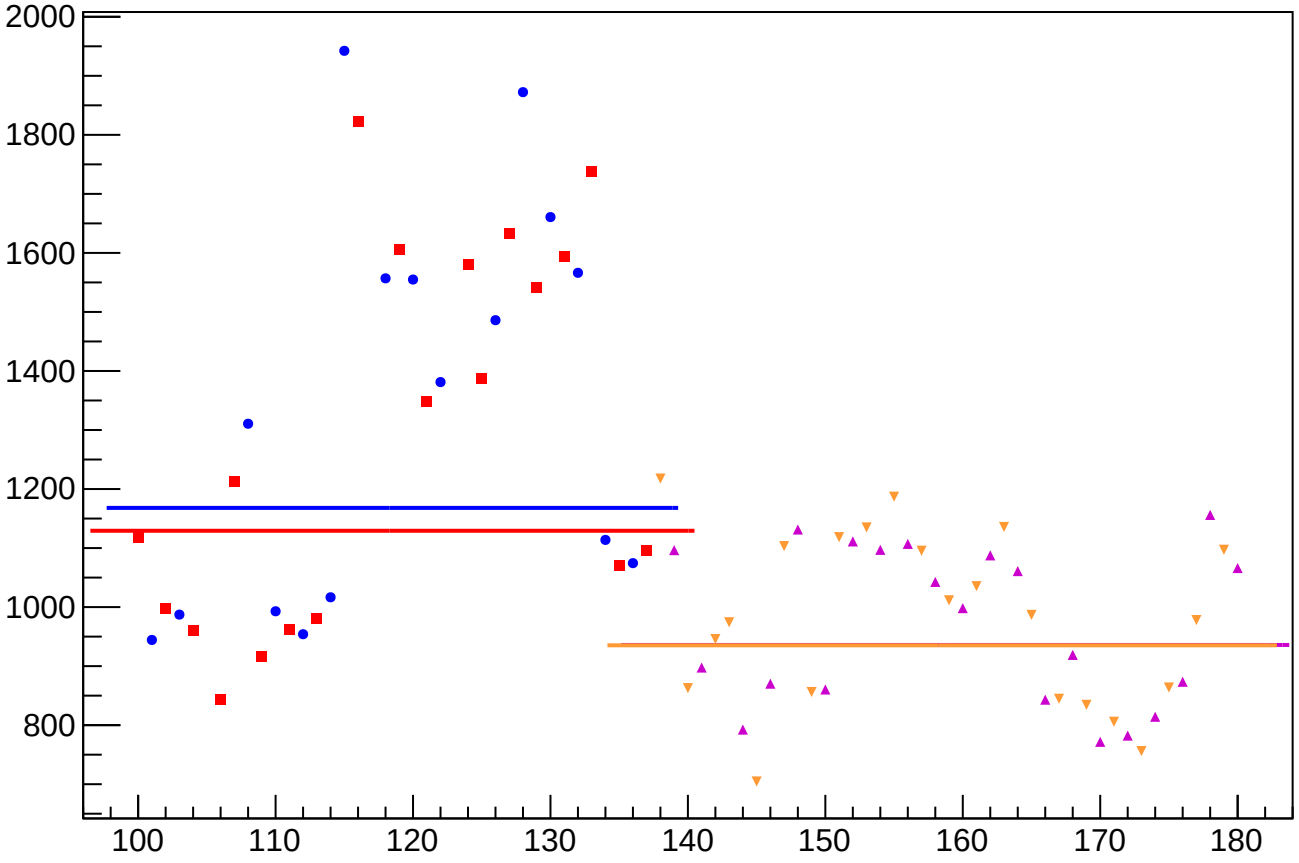
Left In: -139.153+/-228.288 χ^2/NDF:21.5/20

+ sign -942.941+/-202.397 χ^2/NDF: 66.0/37

All: -644.208+/-142.695 χ^2/NDF: 110.2/77

- 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: 935.277+/-0.160 χ^2/NDF:829408.1/21

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

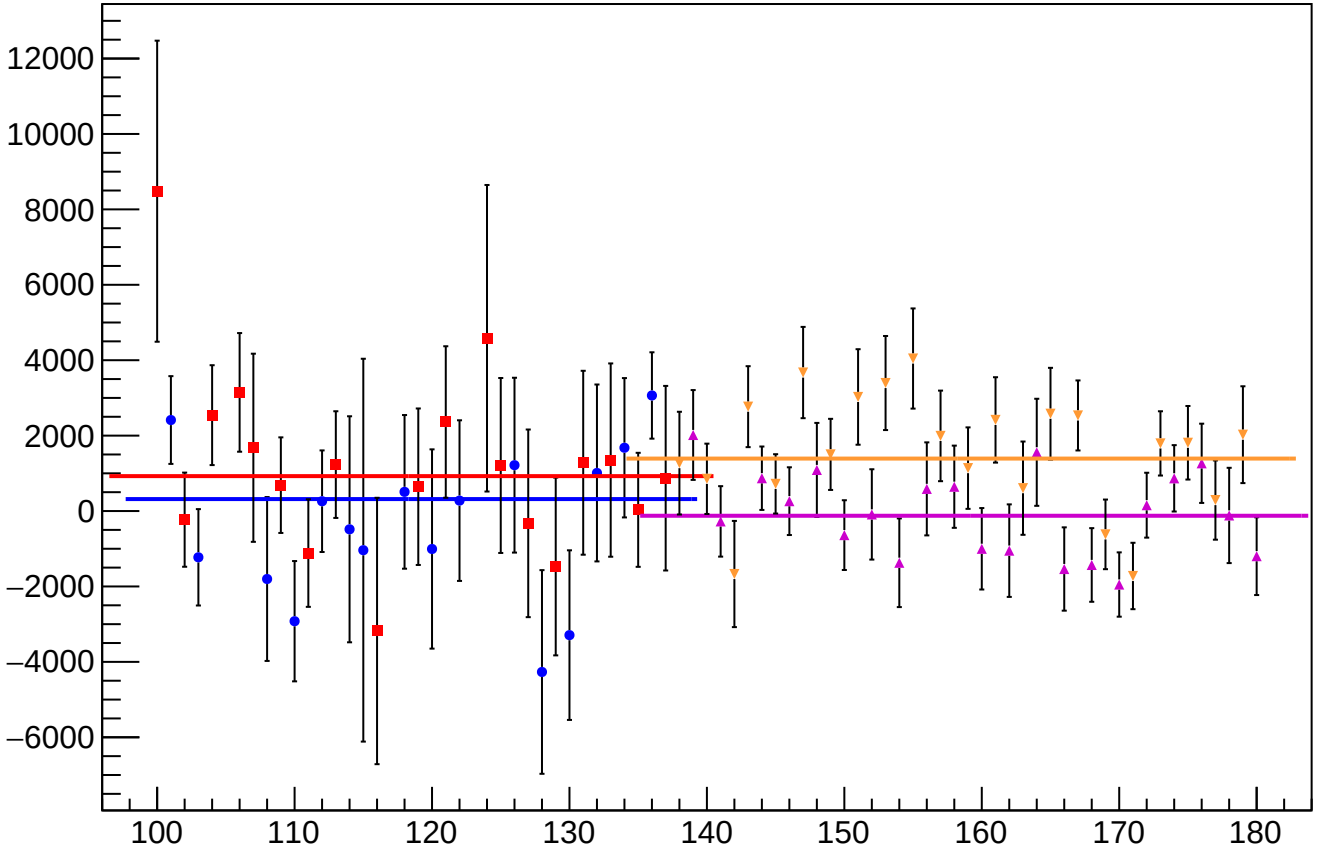
Left In: 935.848+/-0.161 χ^2/NDF:642099.1/20

+ sign 982.931+/-0.143 χ^2/NDF: 1969501.4/37

All: 980.964+/-0.101 χ^2/NDF: 3739730.6/77

- 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: 1391.468+/-226.224 χ^2/NDF:42.2/21

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

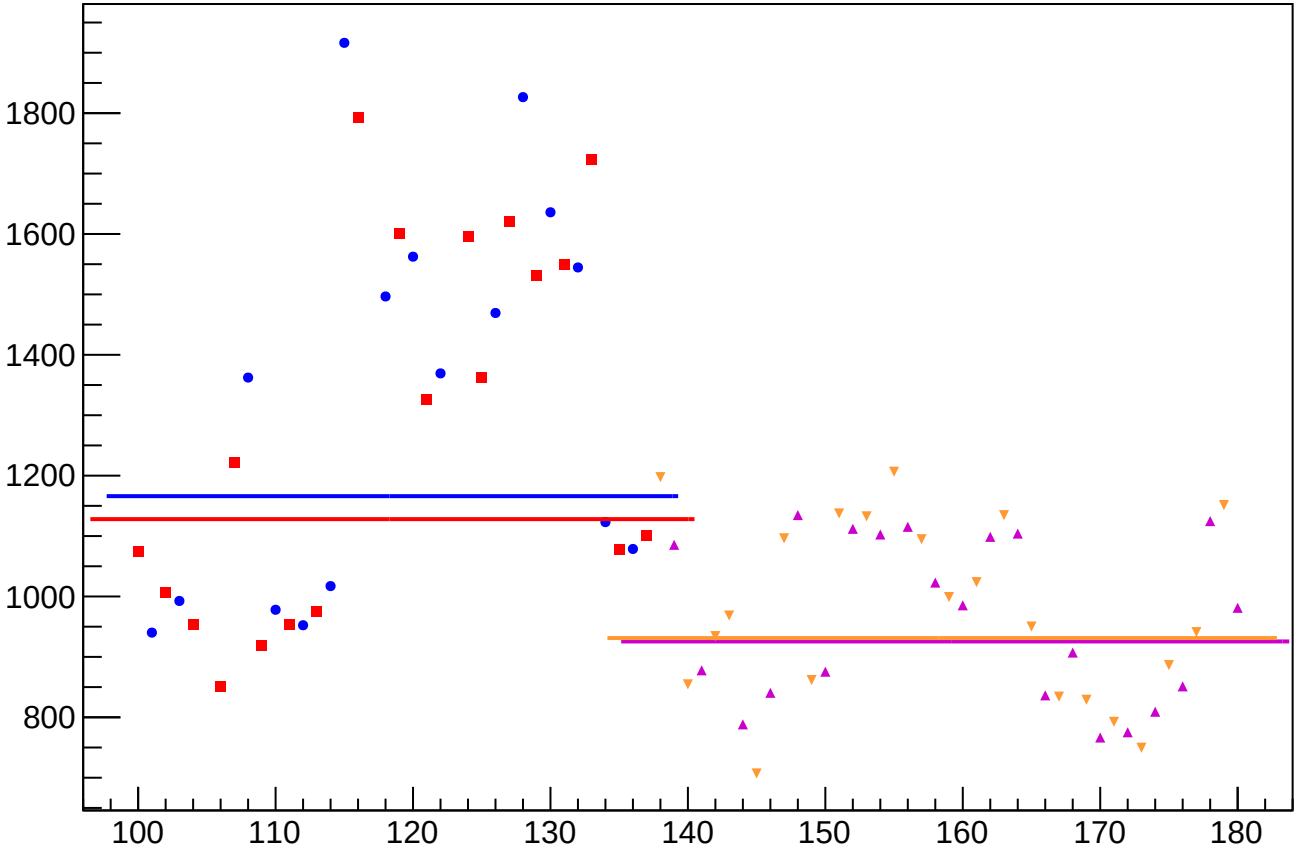
Left In: -125.025+/-225.814 χ^2/NDF:22.9/20

+ sign 1171.937+/-201.786 χ^2/NDF: 69.0/37

All: 632.791+/-141.853 χ^2/NDF: 125.3/77

- sign 106.029+/-199.455 χ^2/NDF: 42.2/39

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 931.160+/-0.160 χ^2/NDF:856733.0/21

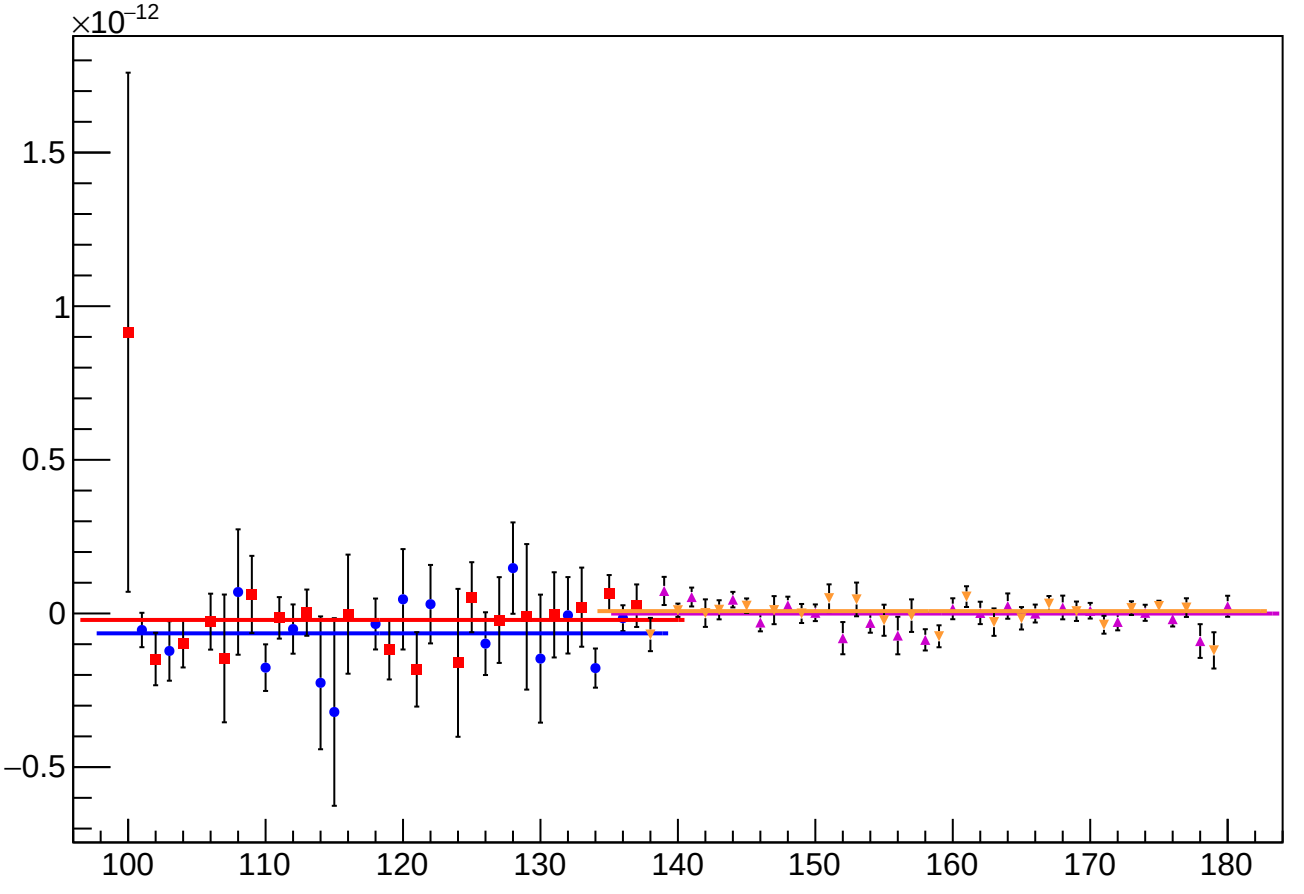
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 925.564+/-0.160 χ^2/NDF:654116.4/20

+ sign 979.169+/-0.143 χ^2/NDF: 1974508.3/37

All: 974.565+/-0.100 χ^2/NDF: 3759809.8/77

- 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:21.9/21

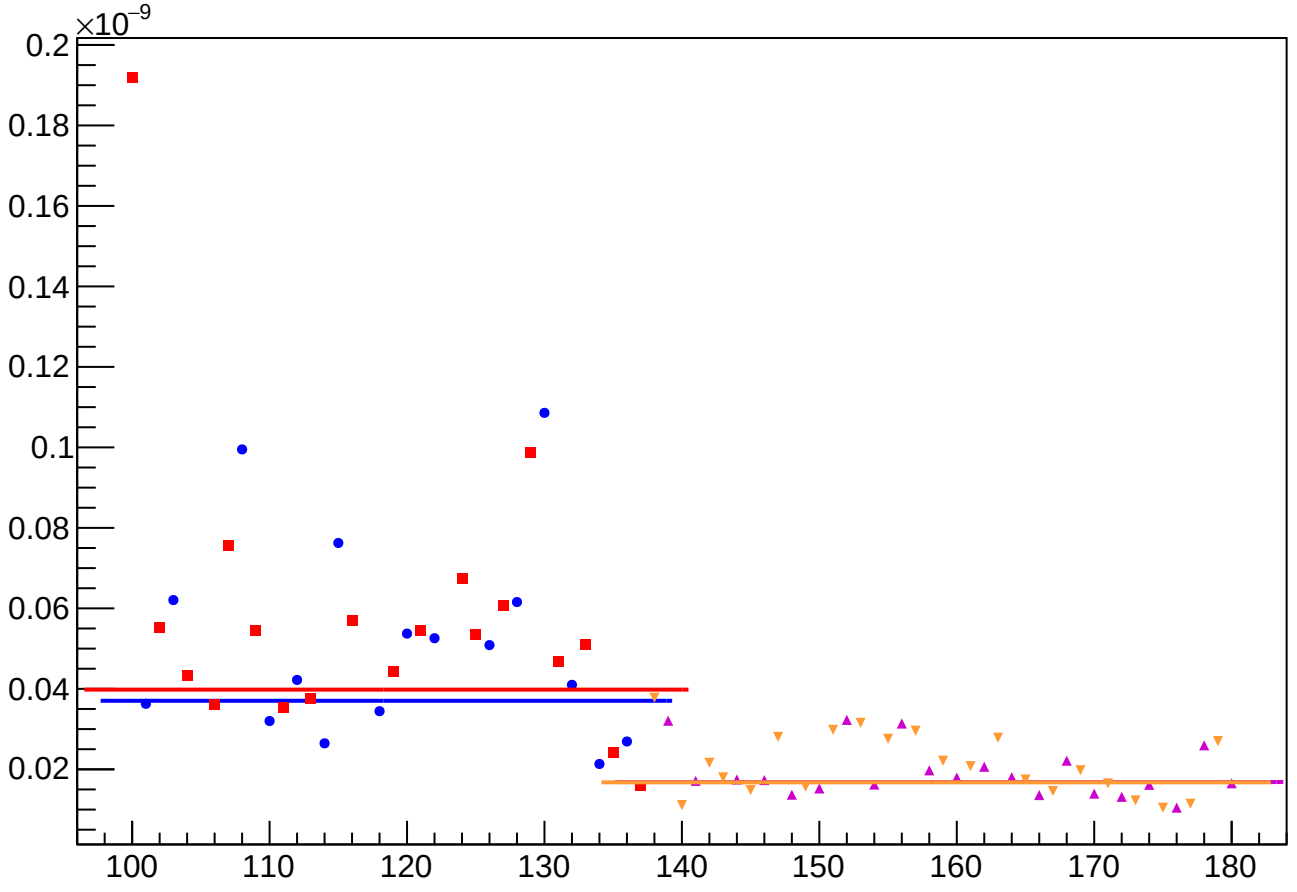
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:27.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/37

All: -0.000+/-0.000 χ^2/NDF: 83.9/77

- sign -0.000+/-0.000 χ^2/NDF: 39.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1822500.8/21

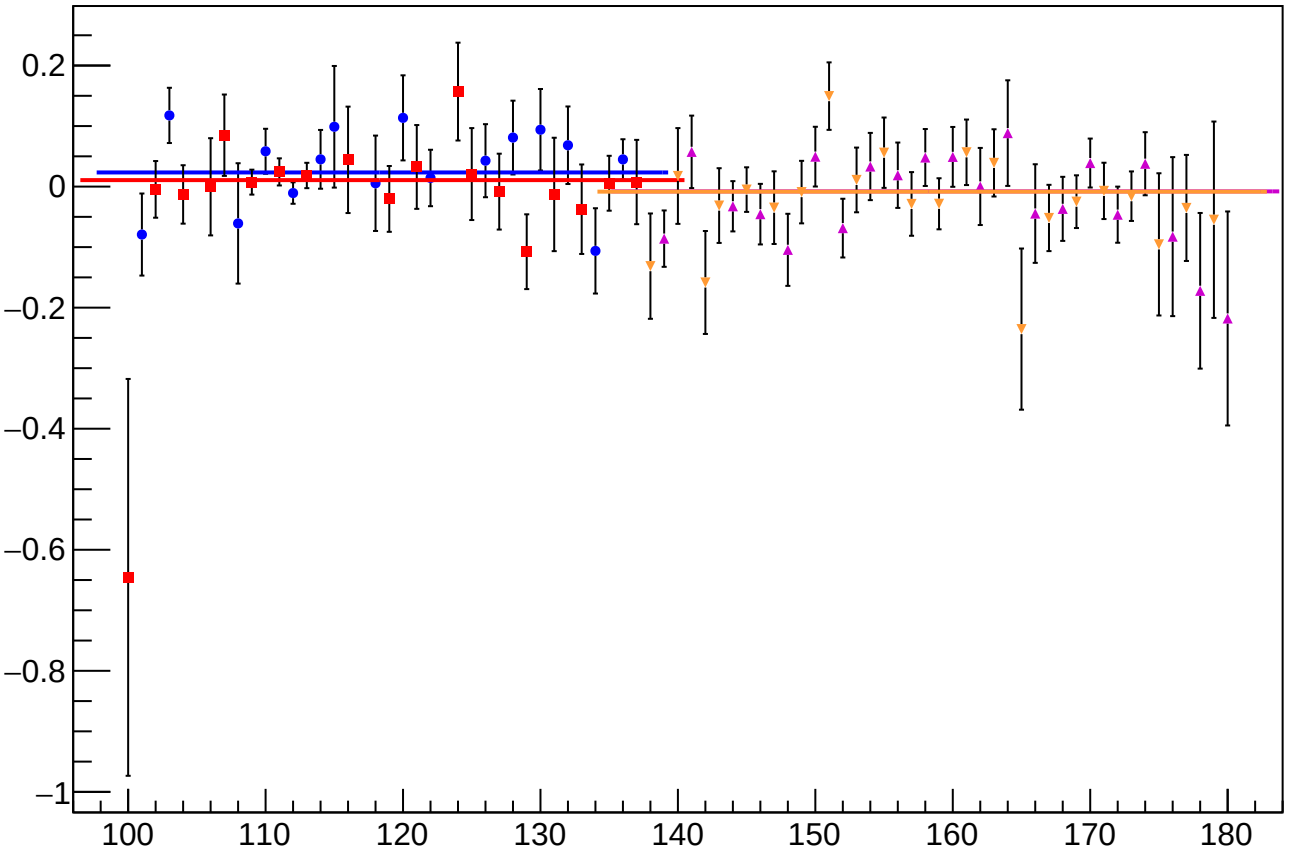
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:903897.6/20

\+ sign 0.000+/-0.000 χ^2/NDF: 4391976.9/37

All: 0.000+/-0.000 χ^2/NDF: 8011173.7/77

\- 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:21.9/21

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

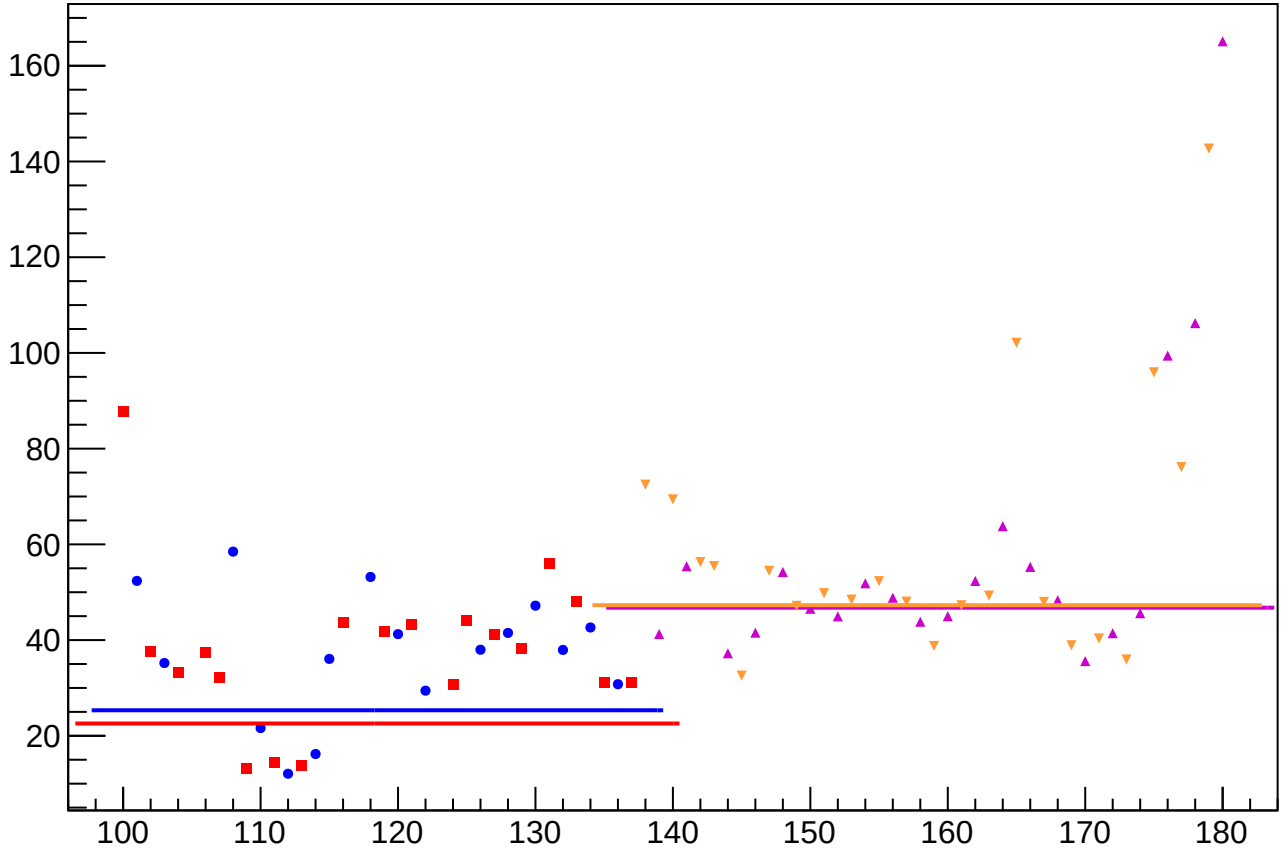
Left In: -0.008+/-0.012 χ^2/NDF:21.9/20

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/37

All: 0.006+/-0.006 χ^2/NDF: 84.2/77

- 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: 47.291+/-0.009 χ^2/NDF:2696994.0/21

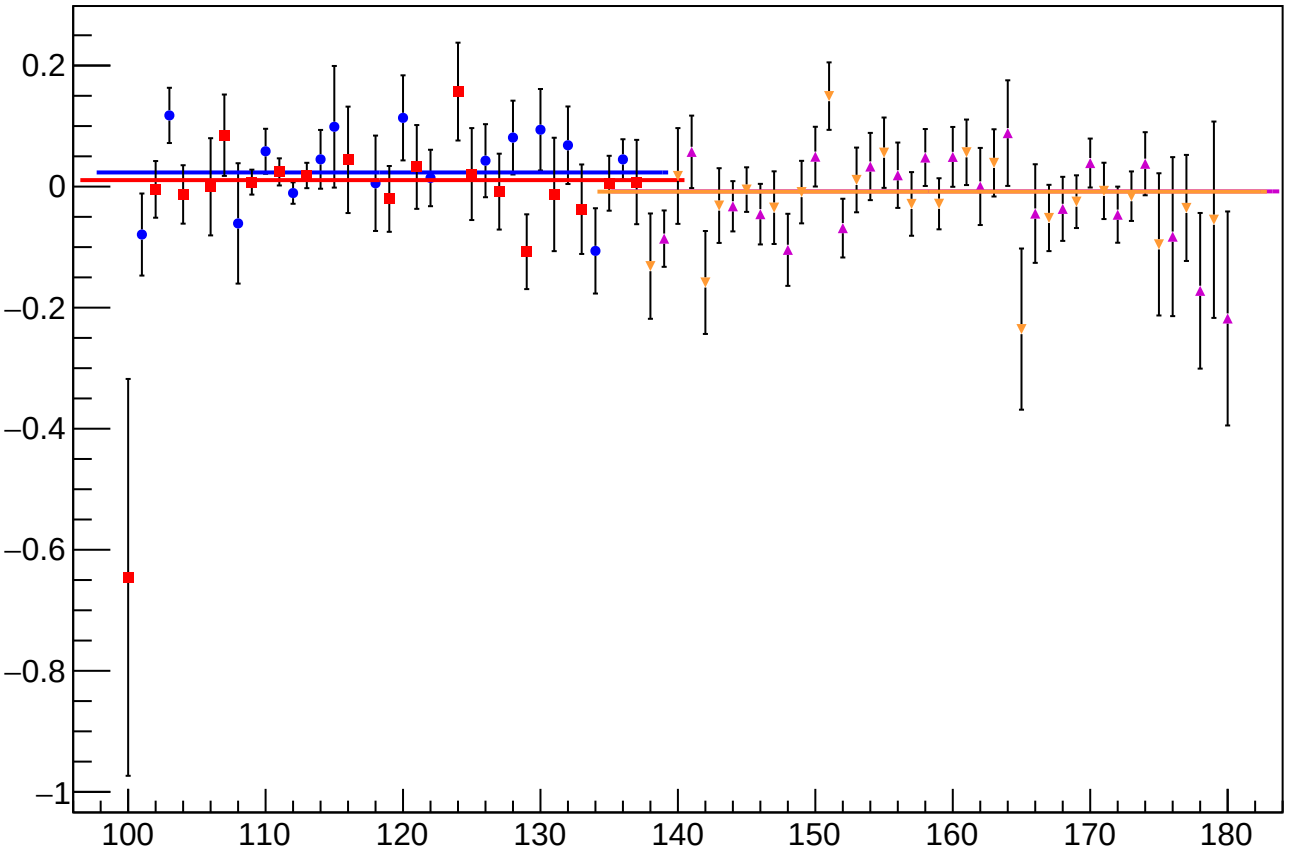
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.771+/-0.009 χ^2/NDF:2201629.2/20

+ sign 35.358+/-0.006 χ^2/NDF: 9215028.0/37

All: 33.655+/-0.004 χ^2/NDF: 19556408.6/77

- 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:21.9/21

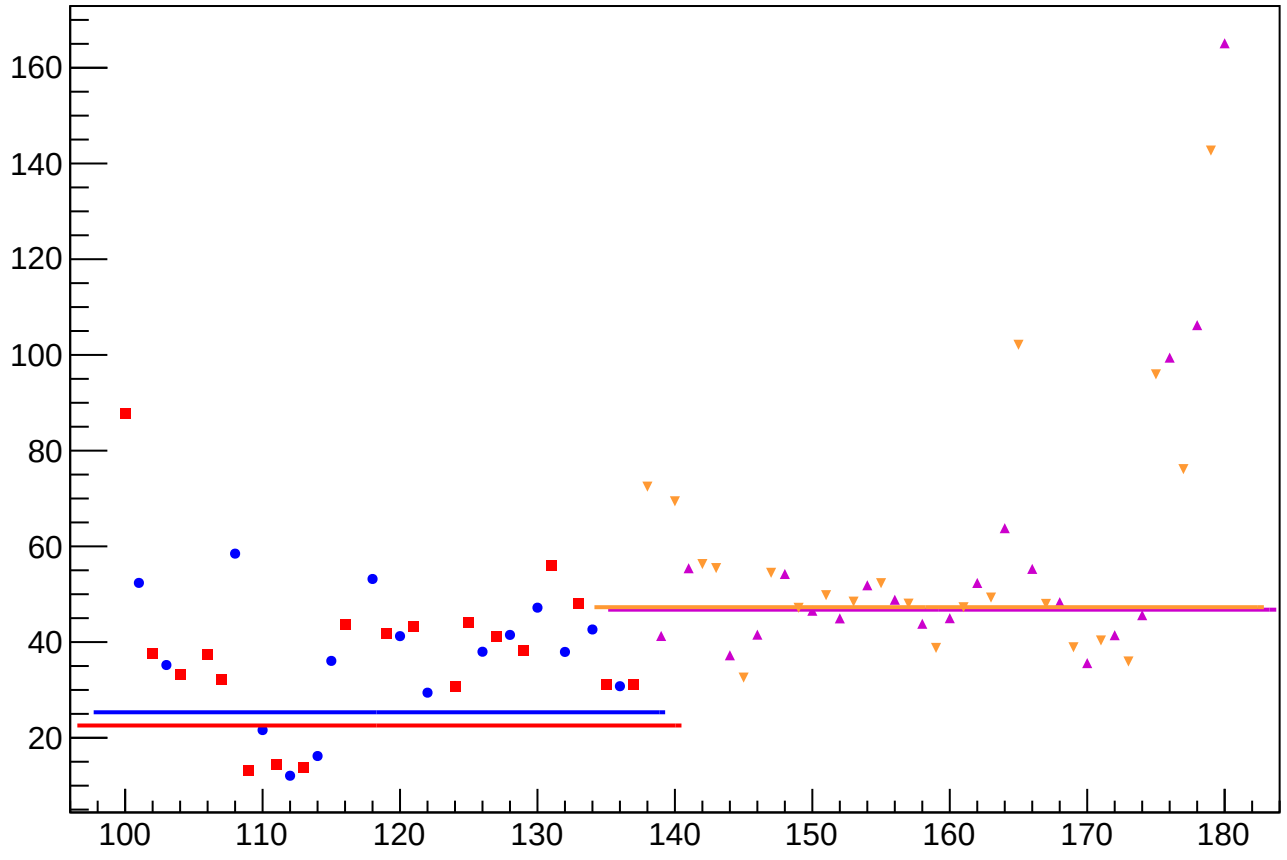
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.012 χ^2/NDF:21.9/20

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/37

All: 0.006+/-0.006 χ^2/NDF: 84.2/77

- 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: 47.291+/-0.009 χ^2/NDF:2696994.0/21

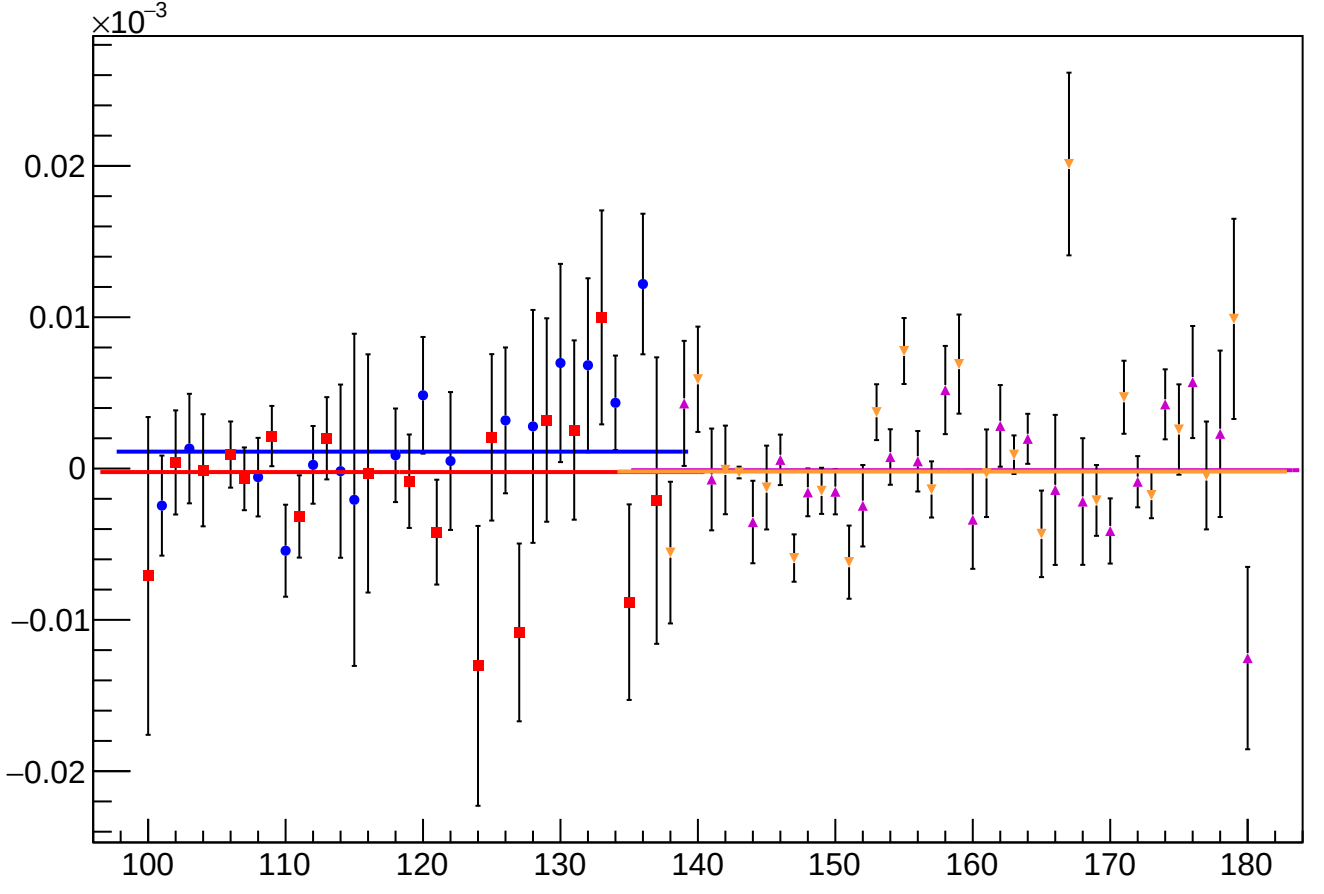
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.771+/-0.009 χ^2/NDF:2201629.2/20

+ sign 35.358+/-0.006 χ^2/NDF: 9215028.0/37

All: 33.655+/-0.004 χ^2/NDF: 19556408.6/77

- 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:70.9/21

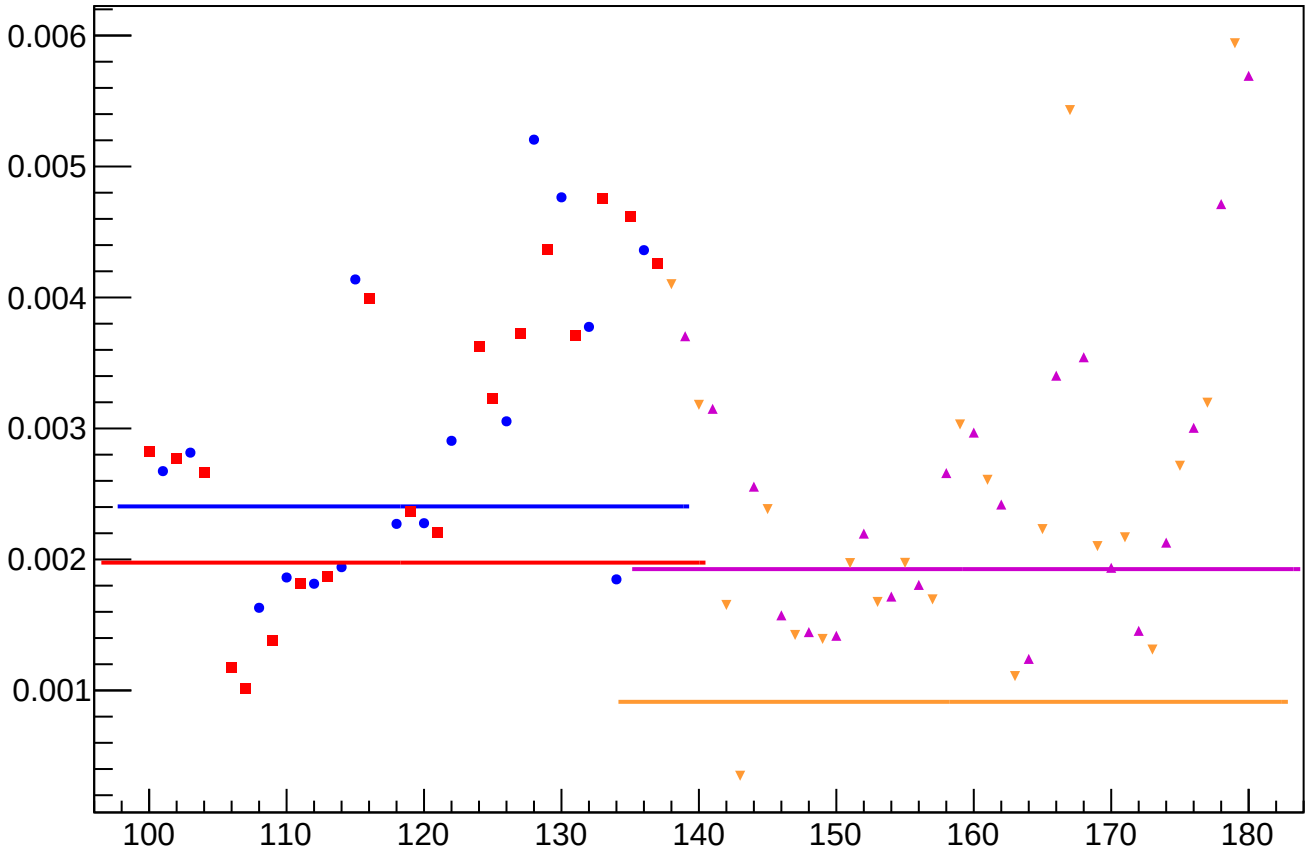
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:27.3/20

+ sign -0.000+/-0.000 χ^2/NDF: 88.8/37

All: -0.000+/-0.000 χ^2/NDF: 131.3/77

- sign -0.000+/-0.000 χ^2/NDF: 42.4/39



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:15721310.6/21

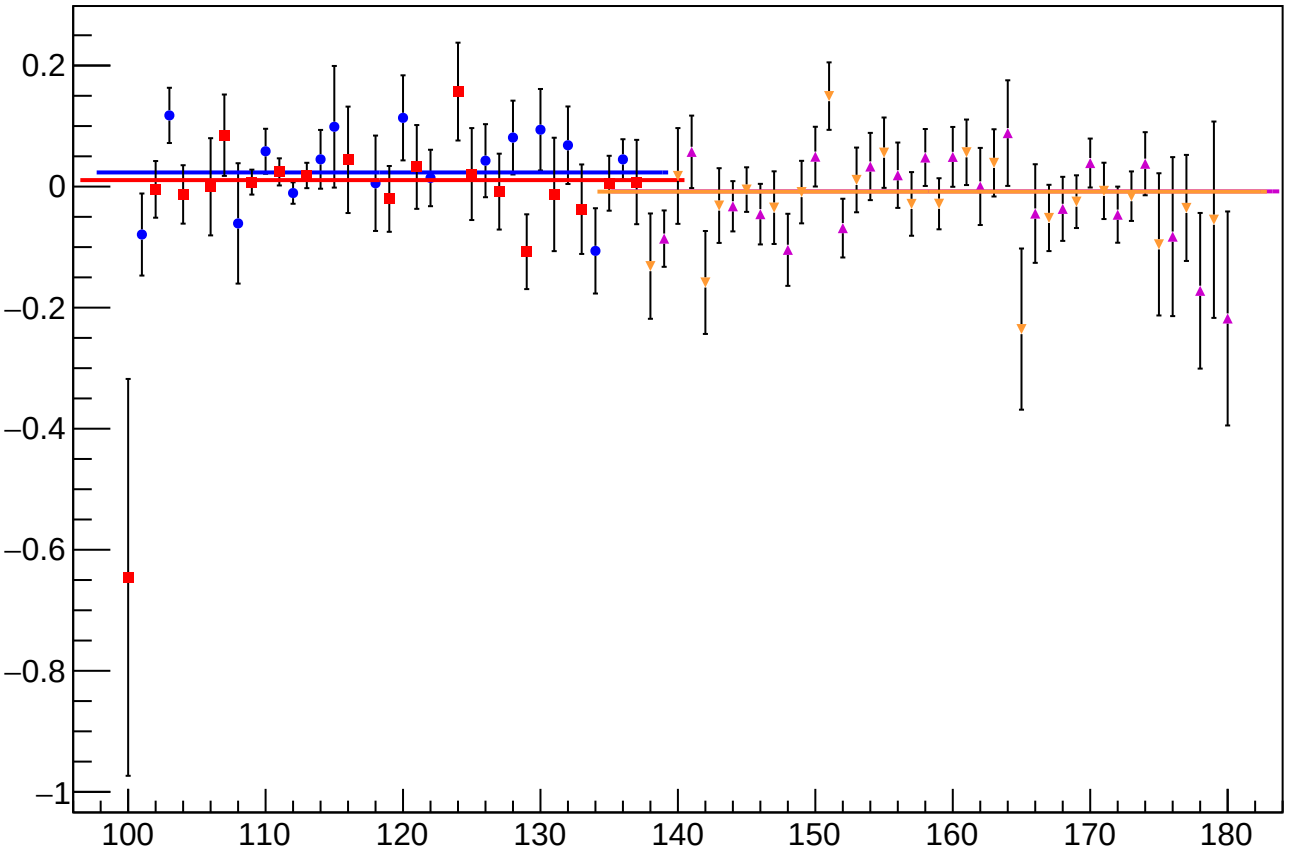
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:4155329.4/20

+ sign 0.001+/-0.000 χ^2/NDF: 21729680.8/37

All: 0.001+/-0.000 χ^2/NDF: 34552093.5/77

- sign 0.002+/-0.000 χ^2/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:21.9/21

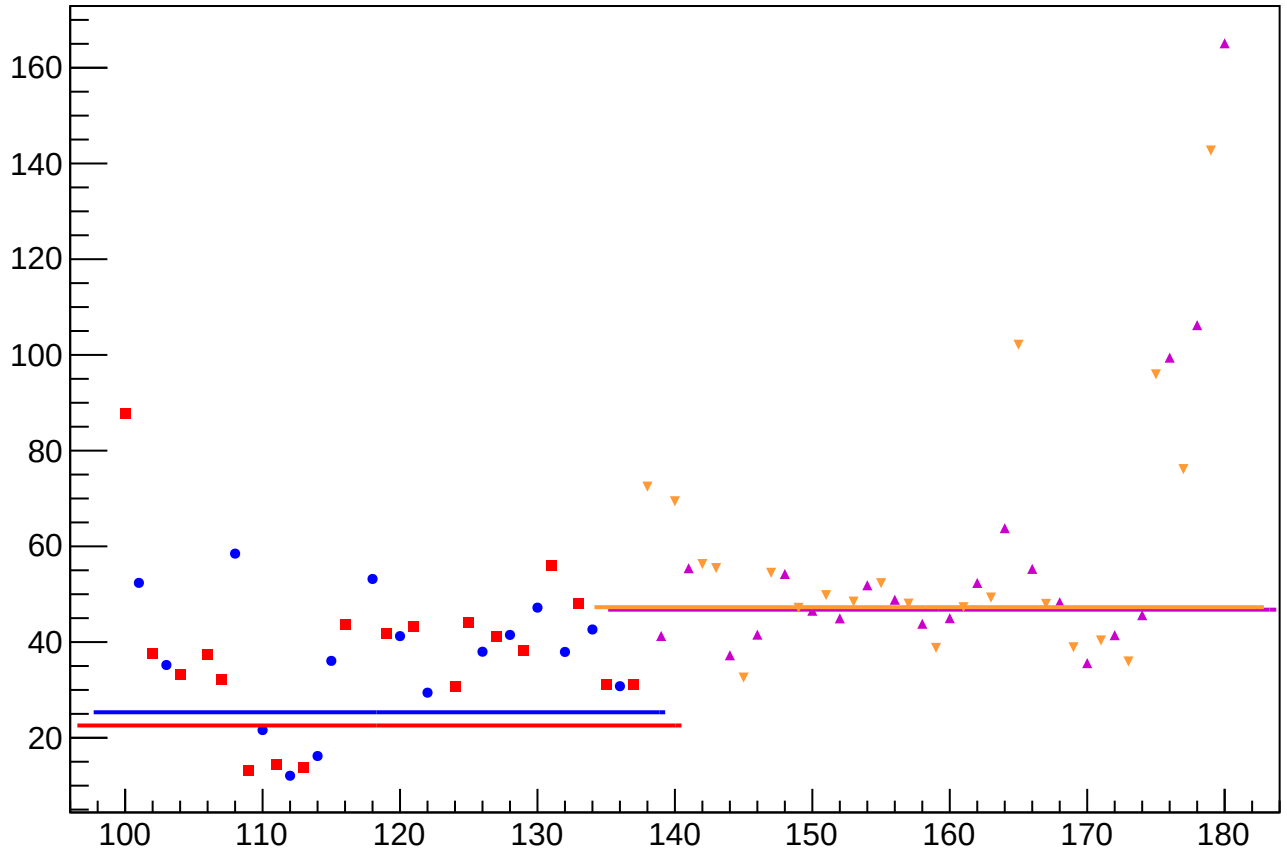
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.012 χ^2/NDF:21.9/20

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/37

All: 0.006+/-0.006 χ^2/NDF: 84.2/77

- 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: 47.291+/-0.009 χ^2/NDF:2696964.1/21

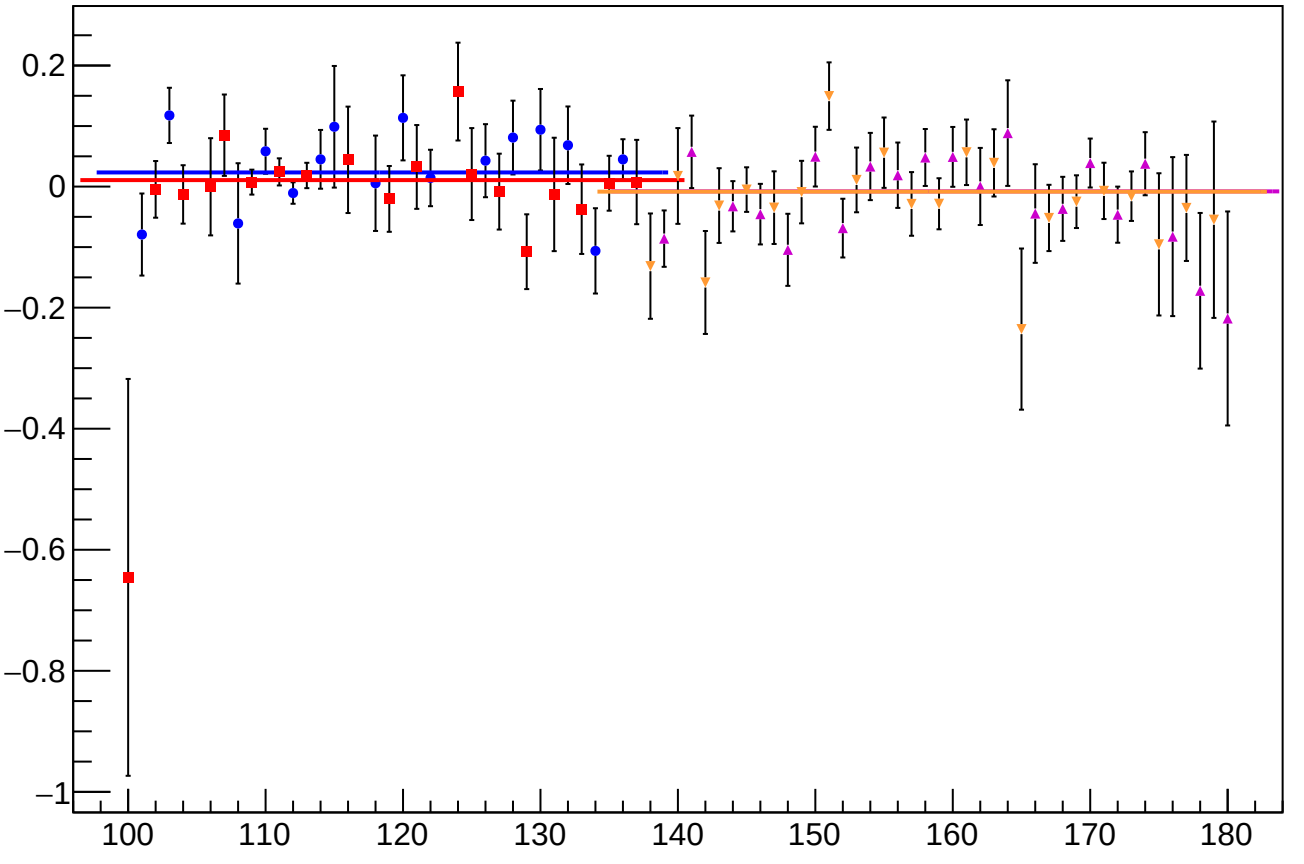
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.772+/-0.009 χ^2/NDF:2201582.8/20

+ sign 35.357+/-0.006 χ^2/NDF: 9216012.8/37

All: 33.655+/-0.004 χ^2/NDF: 19557649.8/77

- 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:21.9/21

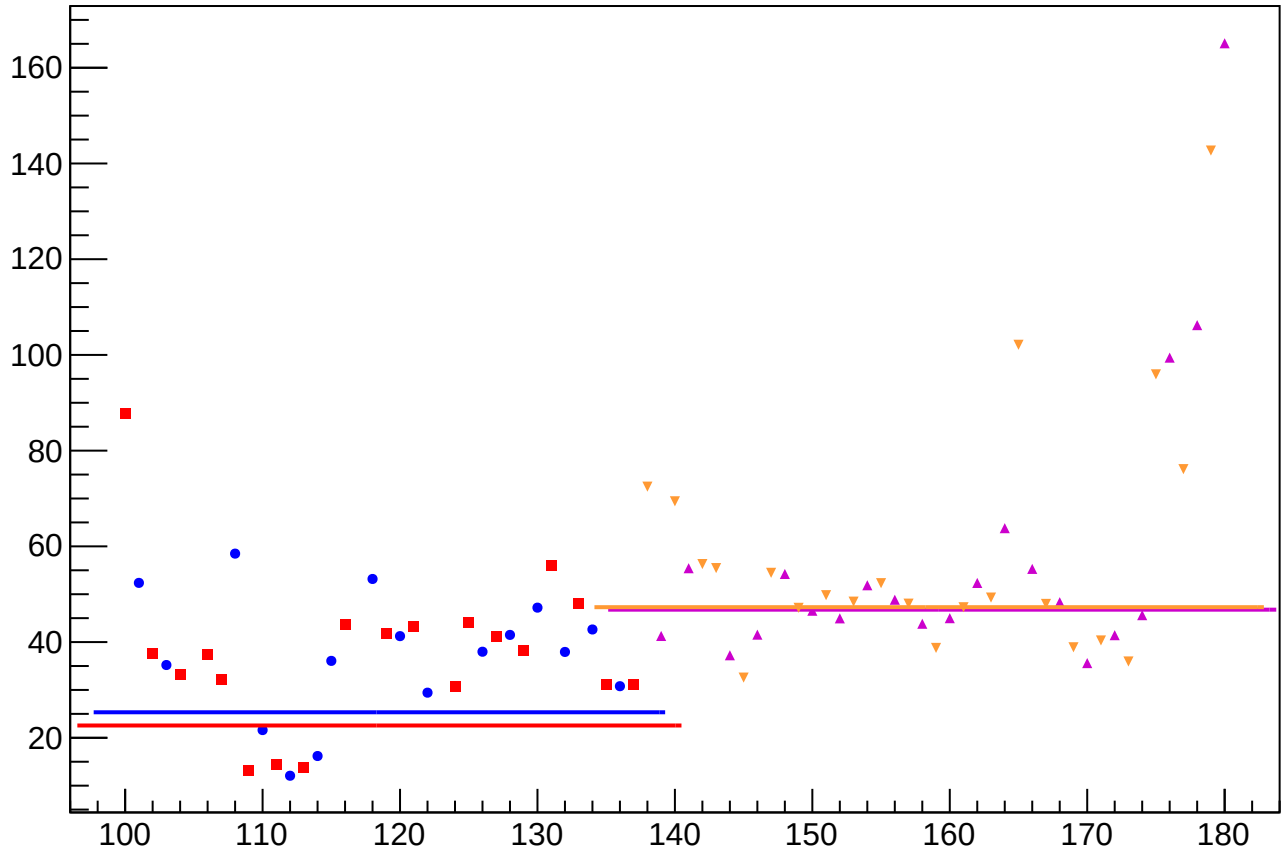
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.012 χ^2/NDF:21.9/20

+ sign 0.009+/-0.008 χ^2/NDF: 46.4/37

All: 0.006+/-0.006 χ^2/NDF: 84.2/77

- 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: 47.291+/-0.009 χ^2/NDF:2696964.1/21

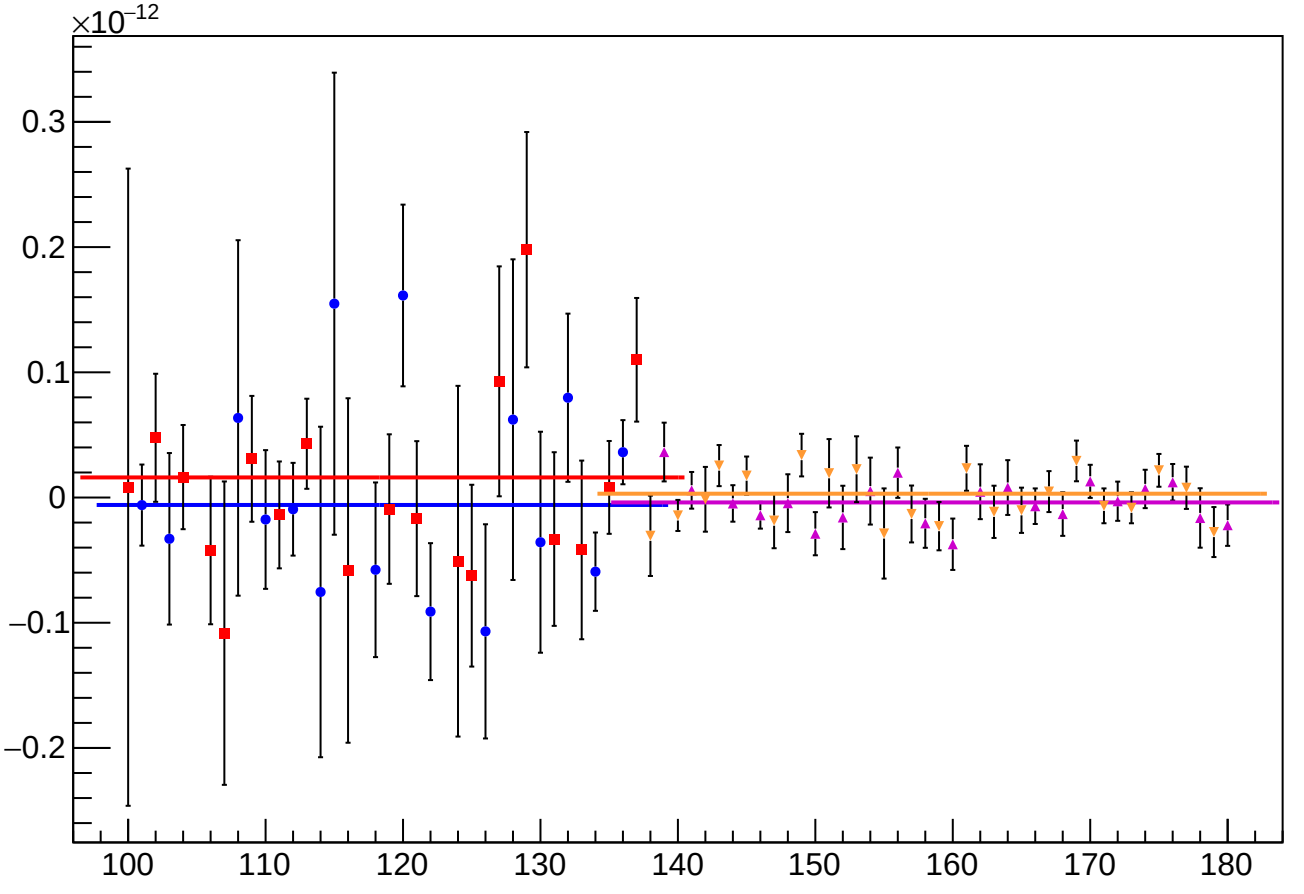
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.772+/-0.009 χ^2/NDF:2201582.8/20

+ sign 35.357+/-0.006 χ^2/NDF: 9216012.8/37

All: 33.655+/-0.004 χ^2/NDF: 19557649.8/77

- 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:24.8/21

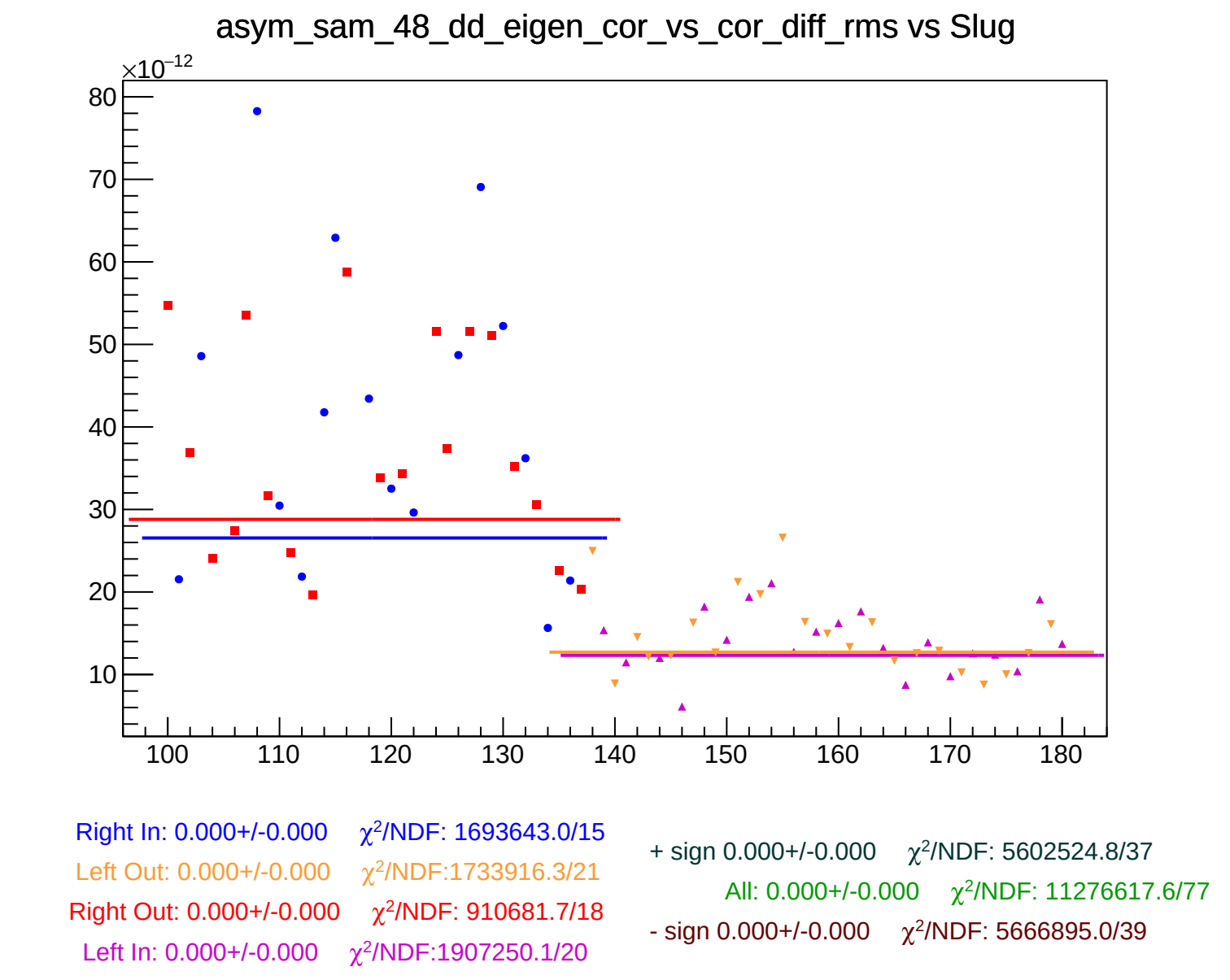
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/20

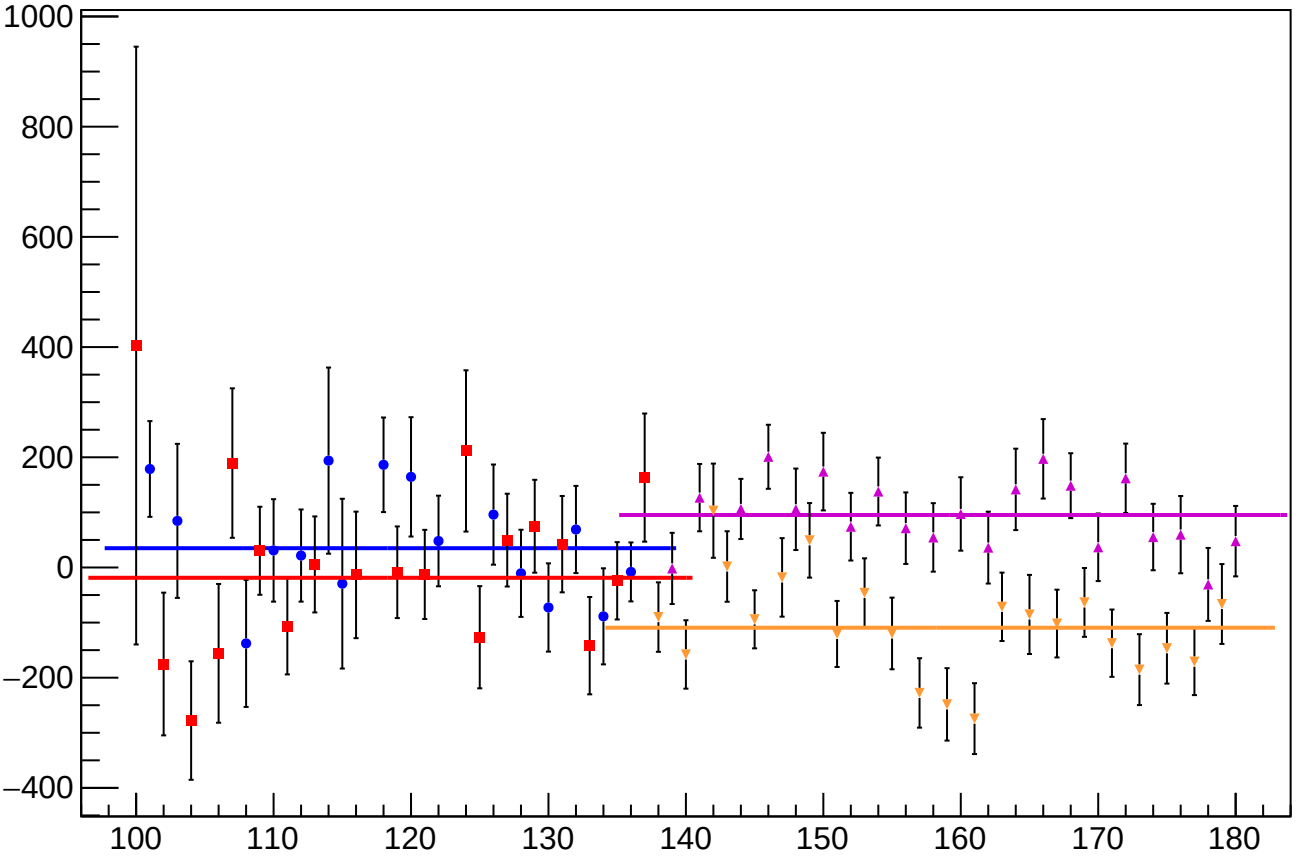
+ sign 0.000+/-0.000 χ^2/NDF: 44.0/37

All: -0.000+/-0.000 χ^2/NDF: 79.1/77

- 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
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1733916.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1907250.1/20
+ sign 0.000+/-0.000 χ²/NDF: 5602524.8/37
All: 0.000+/-0.000 χ²/NDF: 11276617.6/77
- 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: -109.325+/-13.671 χ^2/NDF:37.1/21

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

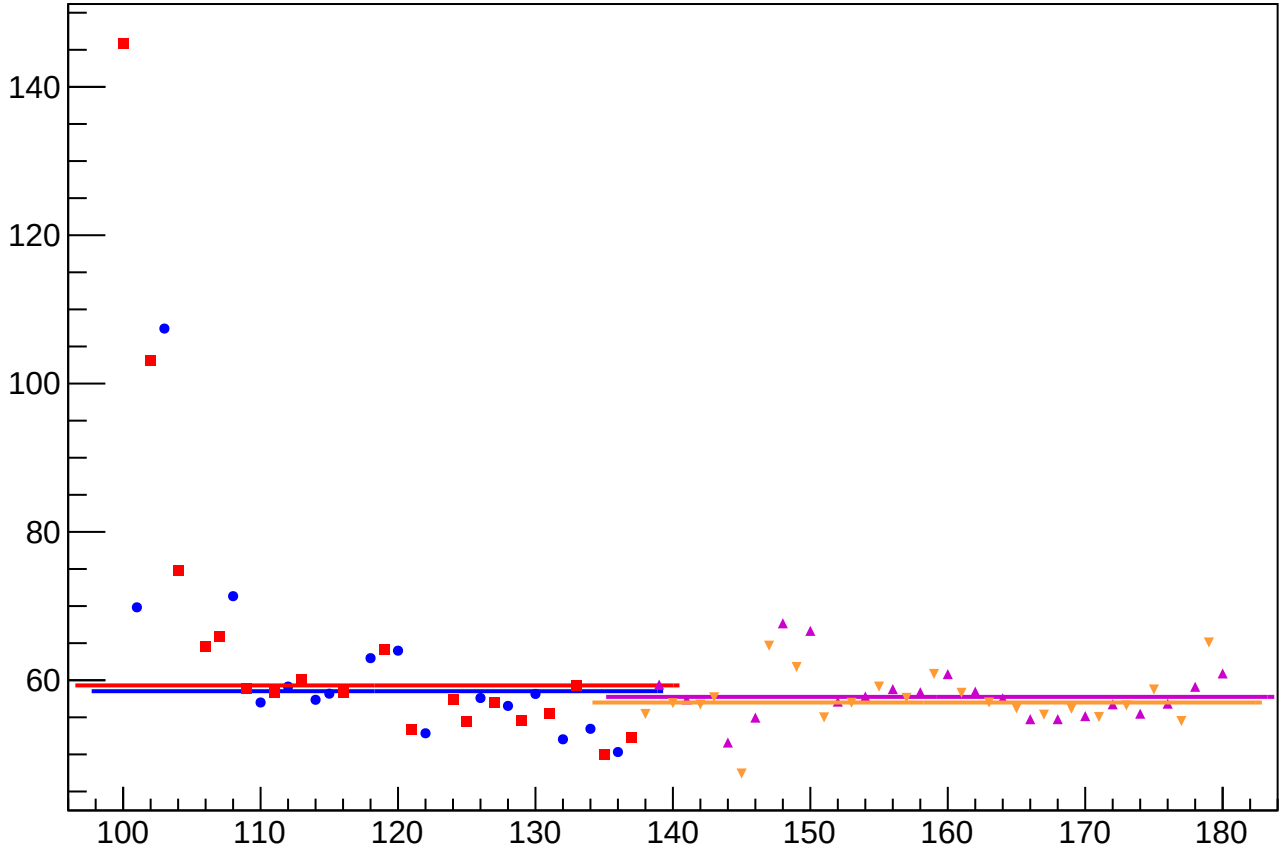
Left In: 95.267+/-13.945 χ^2/NDF:19.2/20

+ sign -69.468+/-11.631 χ^2/NDF: 84.1/37

All: -4.235+/-8.283 χ^2/NDF: 209.7/77

- 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: 56.997+/-0.010 χ^2/NDF:146867.3/21

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

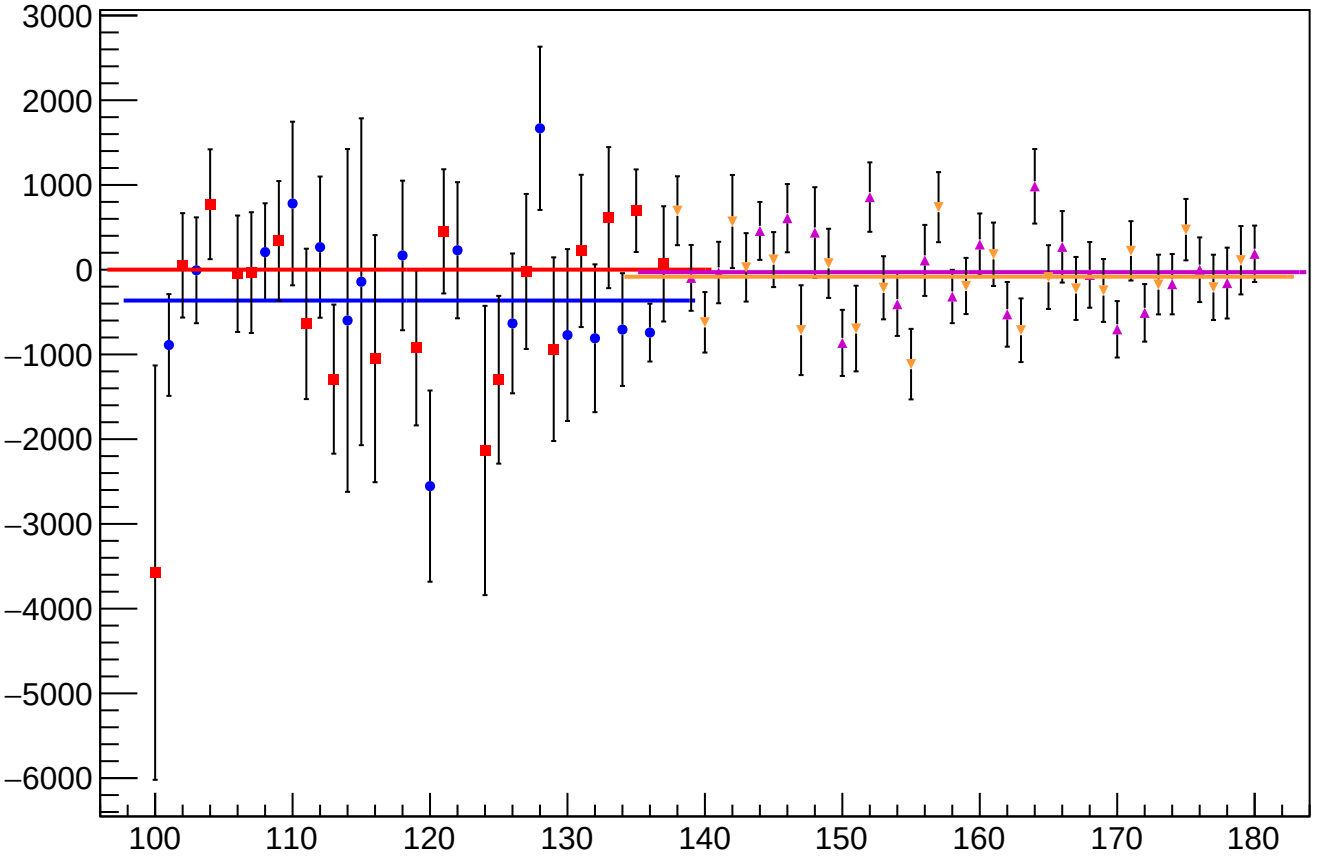
Left In: 57.756+/-0.010 χ^2/NDF:126494.5/20

+ sign 57.418+/-0.008 χ^2/NDF: 546475.7/37

All: 57.801+/-0.006 χ^2/NDF: 1090954.0/77

- 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: -83.041+/-82.549 χ^2/NDF:28.3/21

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

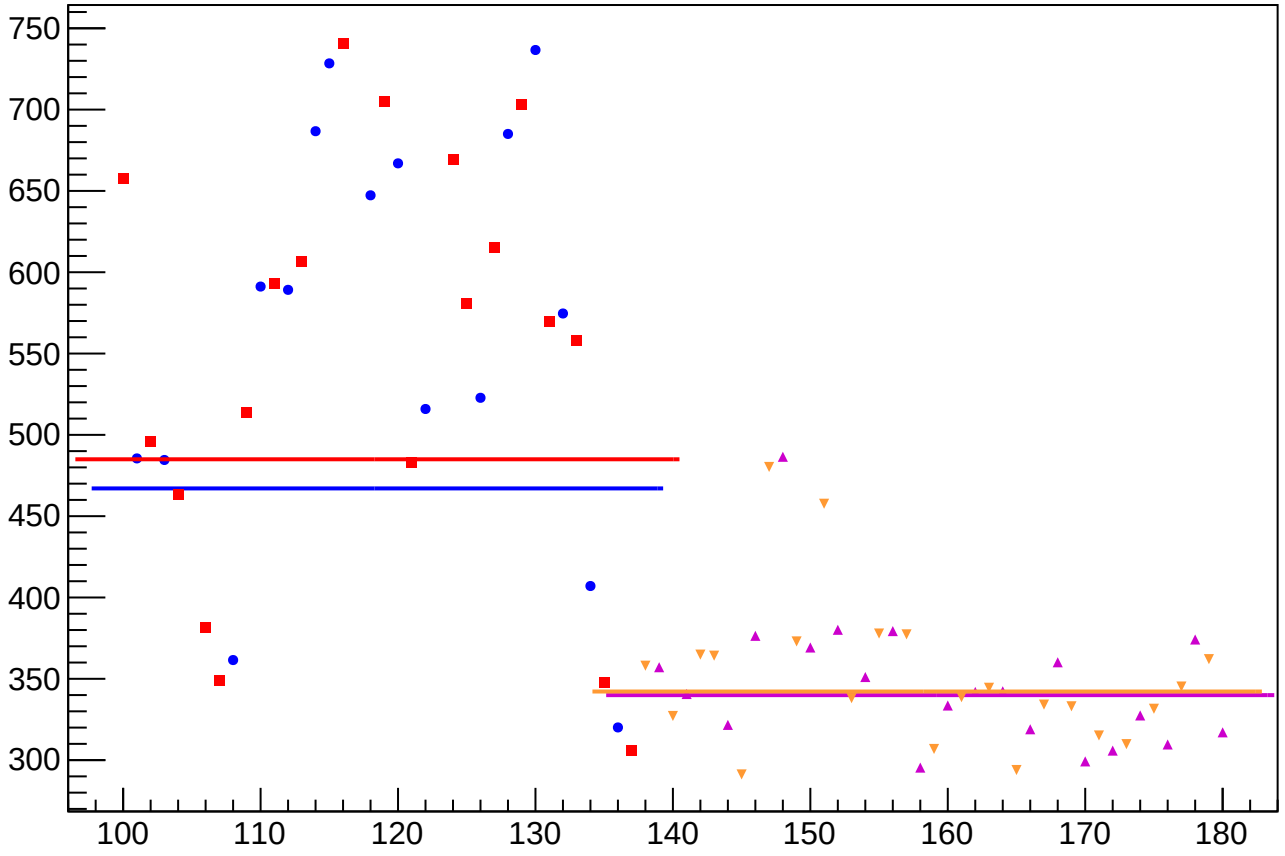
Left In: -28.999+/-82.512 χ^2/NDF:31.6/20

+ sign -131.608+/-75.078 χ^2/NDF: 45.6/37

All: -77.914+/-53.140 χ^2/NDF: 93.3/77

- 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: 342.187+/-0.058 χ^2/NDF:439582.2/21

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

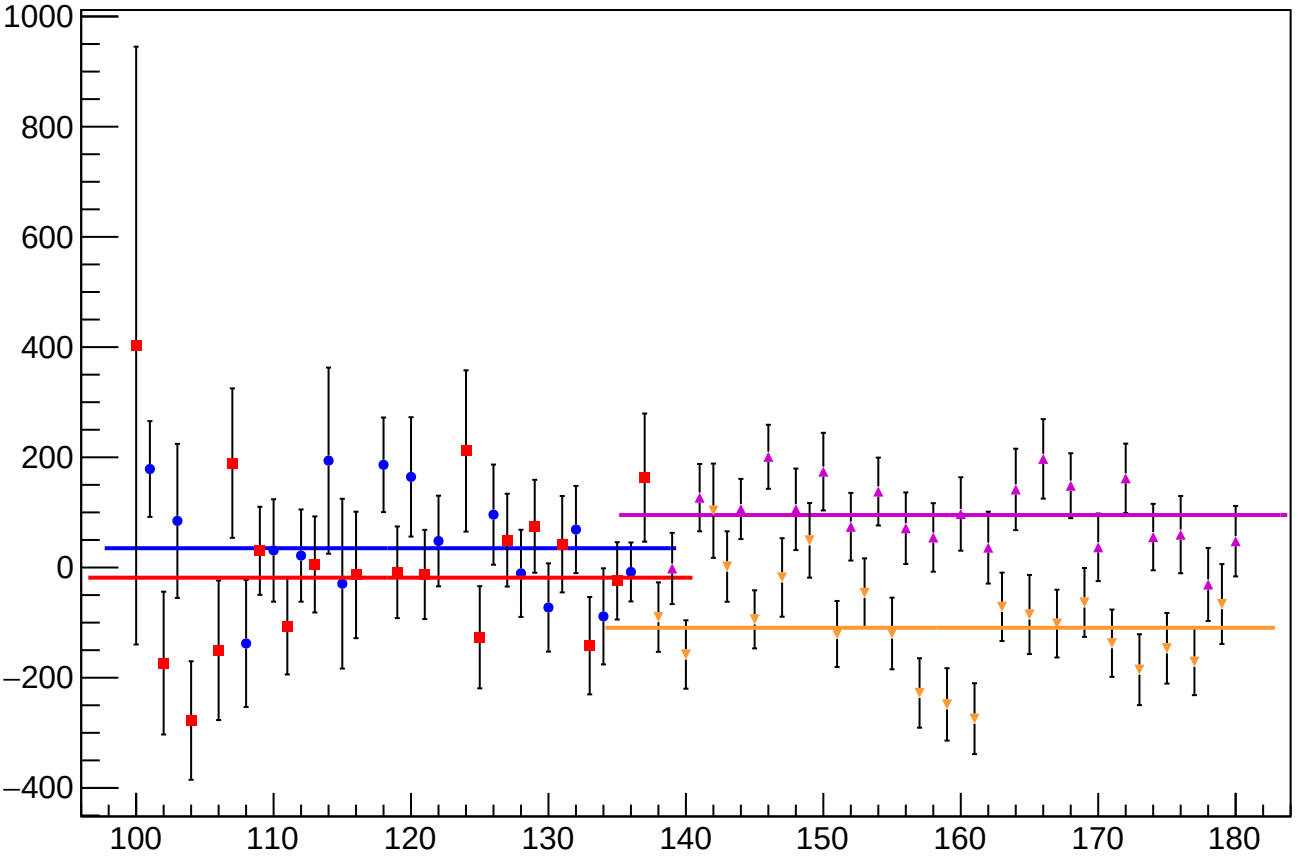
Left In: 339.959+/-0.058 χ^2/NDF:365299.9/20

\+ sign 363.768+/-0.053 χ^2/NDF: 2260880.7/37

All: 364.104+/-0.038 χ^2/NDF: 4543378.1/77

\- 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: -109.324+/-13.671 χ^2/NDF:37.1/21

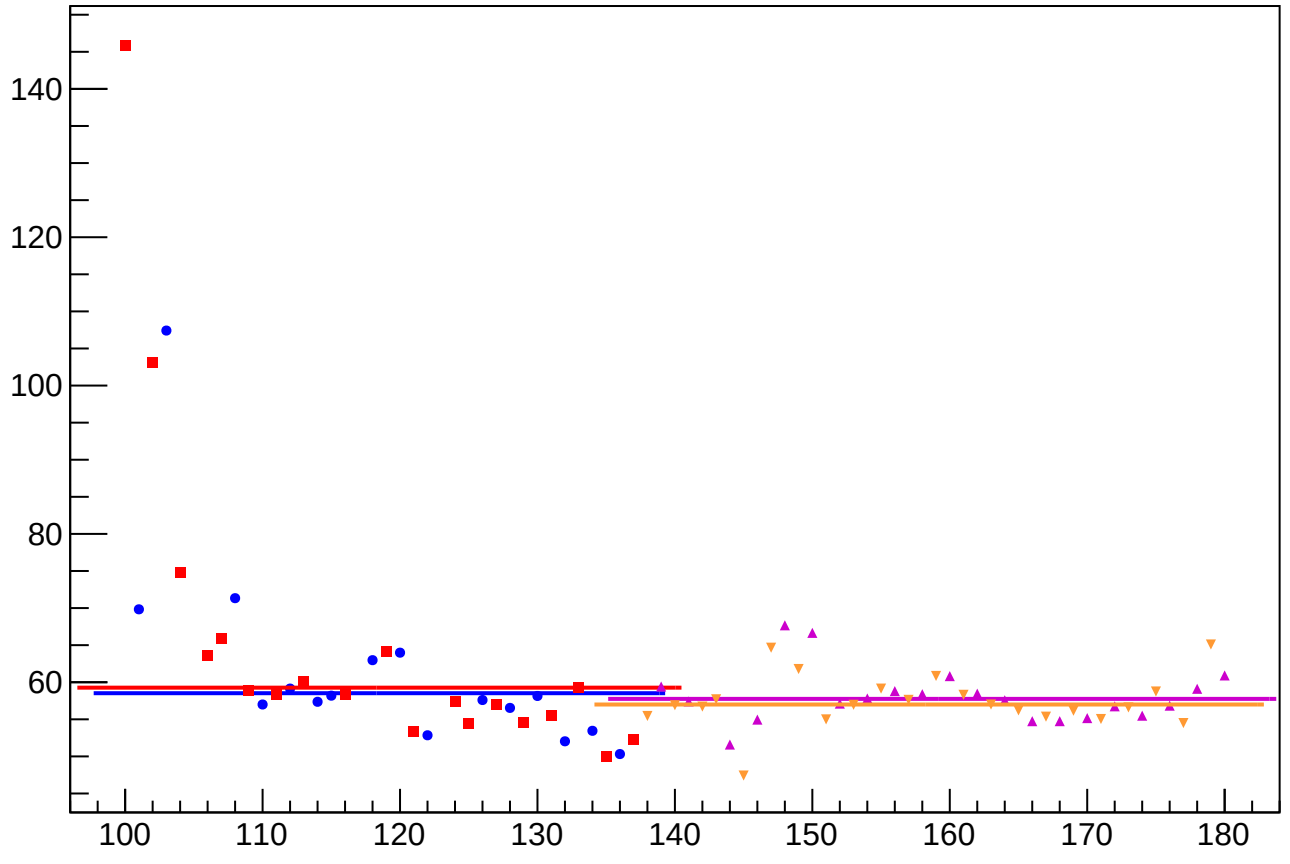
Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: 95.269+/-13.945 χ^2/NDF:19.2/20

\+ sign -69.467+/-11.631 χ^2/NDF: 84.1/37

All: -4.196+/-8.283 χ^2/NDF: 209.5/77

\- sign 62.981+/-11.800 χ^2/NDF: 61.5/39



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.997+/-0.010 χ^2/NDF:146867.3/21

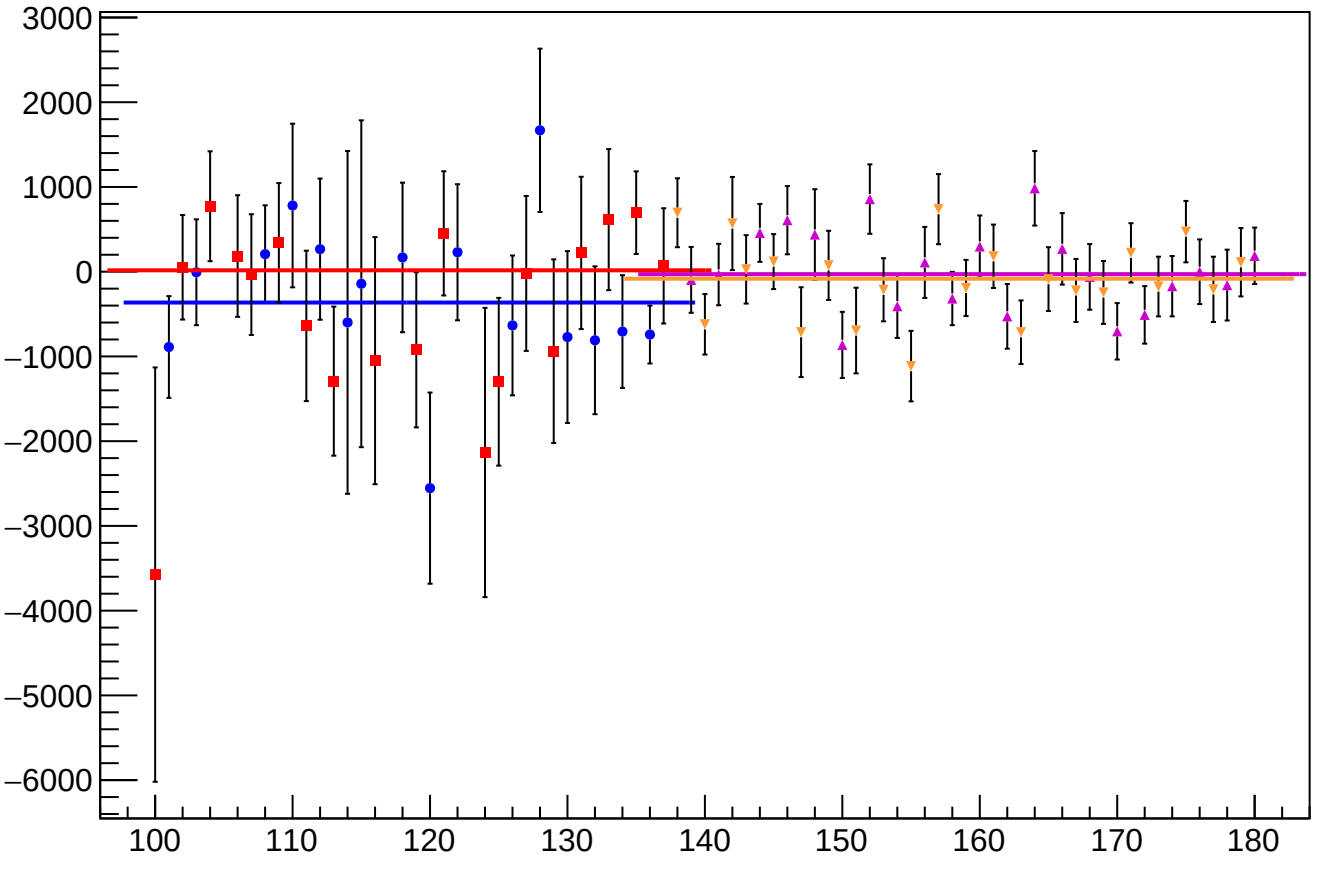
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.756+/-0.010 χ^2/NDF:126494.5/20

+ sign 57.418+/-0.008 χ^2/NDF: 546477.8/37

All: 57.797+/-0.006 χ^2/NDF: 1089571.5/77

- 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: -83.043+/-82.549 χ^2/NDF:28.3/21

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

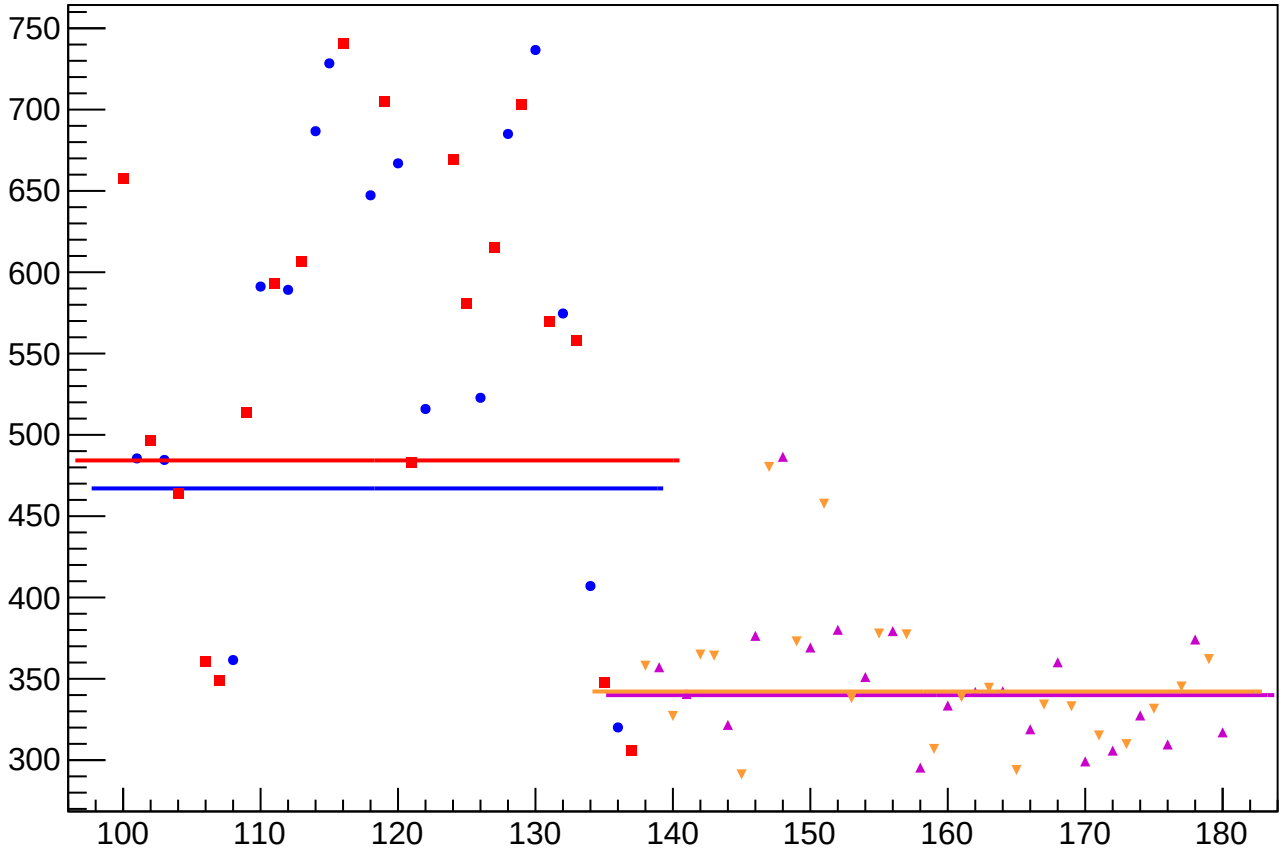
Left In: -28.998+/-82.512 χ^2/NDF:31.6/20

+ sign -131.603+/-75.078 χ^2/NDF: 45.6/37

All: -76.651+/-53.154 χ^2/NDF: 93.5/77

- 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: 342.187+/-0.058 χ^2/NDF:439581.9/21

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

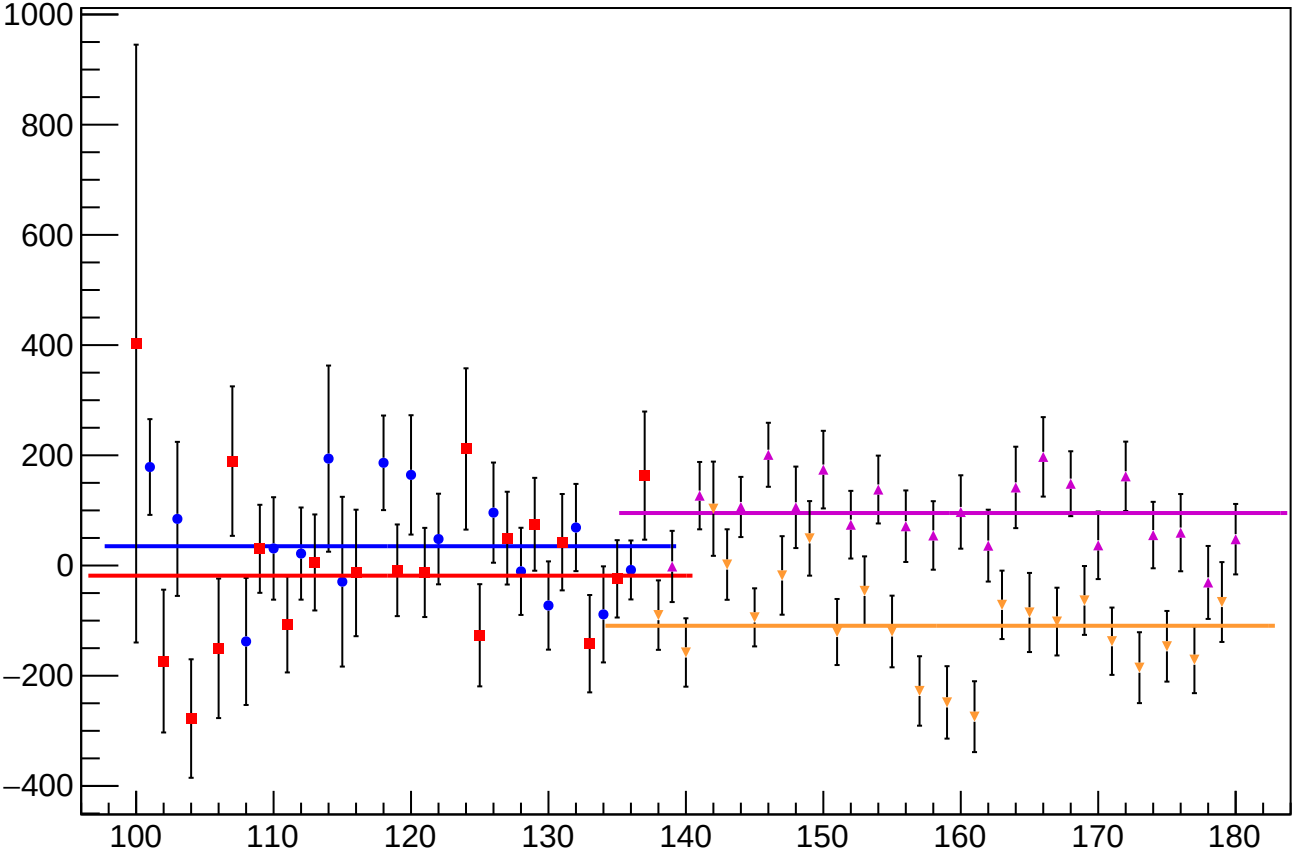
Left In: 339.959+/-0.058 χ^2/NDF:365304.3/20

+ sign 363.769+/-0.053 χ^2/NDF: 2260906.9/37

All: 363.983+/-0.038 χ^2/NDF: 4542616.9/77

- 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: -109.324+/-13.671 χ^2/NDF:37.1/21

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

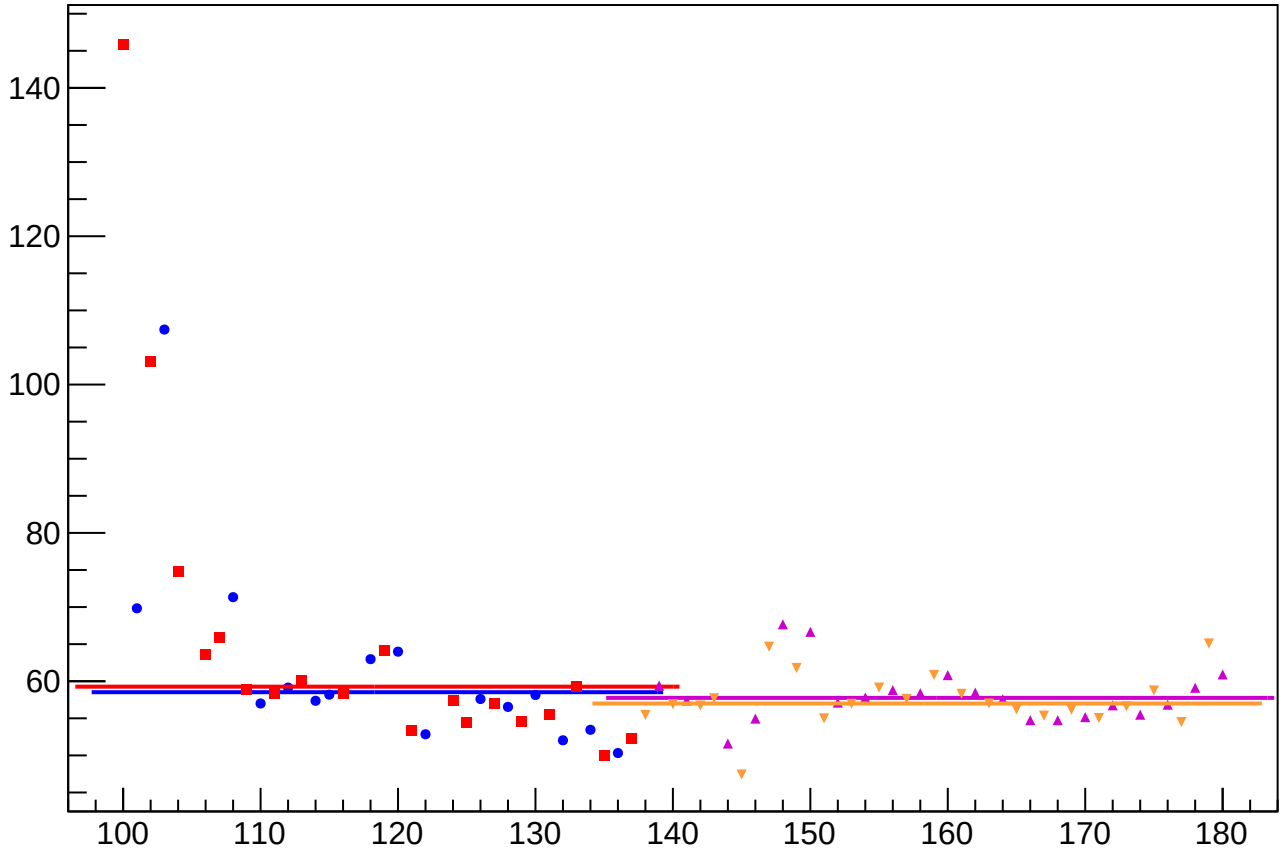
Left In: 95.269+/-13.945 χ^2/NDF:19.2/20

+ sign -69.467+/-11.631 χ^2/NDF: 84.1/37

All: -4.196+/-8.283 χ^2/NDF: 209.5/77

- 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: 56.997+/-0.010 χ^2/NDF:146867.3/21

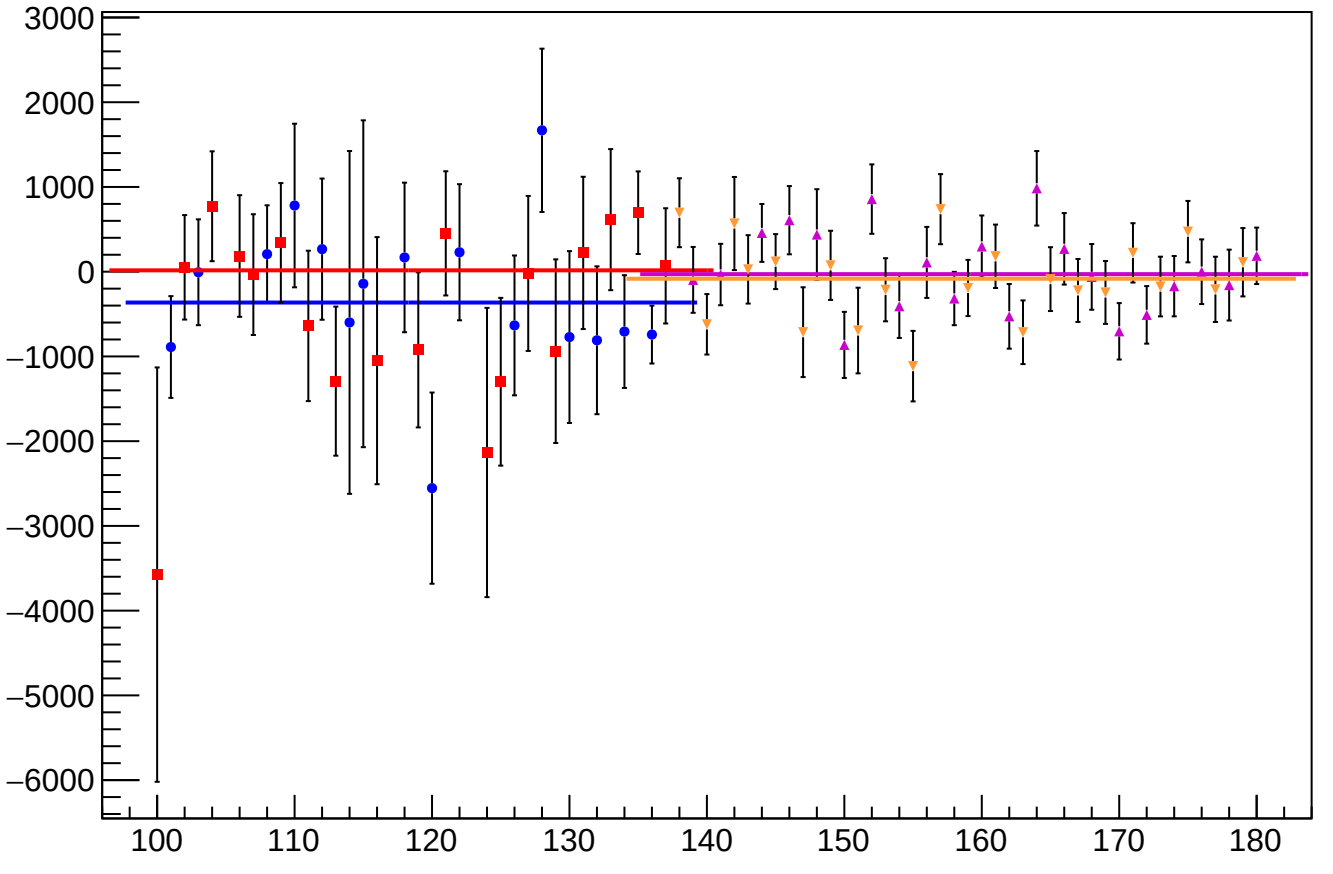
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.756+/-0.010 χ^2/NDF:126494.5/20

+ sign 57.418+/-0.008 χ^2/NDF: 546477.8/37

All: 57.797+/-0.006 χ^2/NDF: 1089571.5/77

- 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: -83.043+/-82.549 χ^2/NDF:28.3/21

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

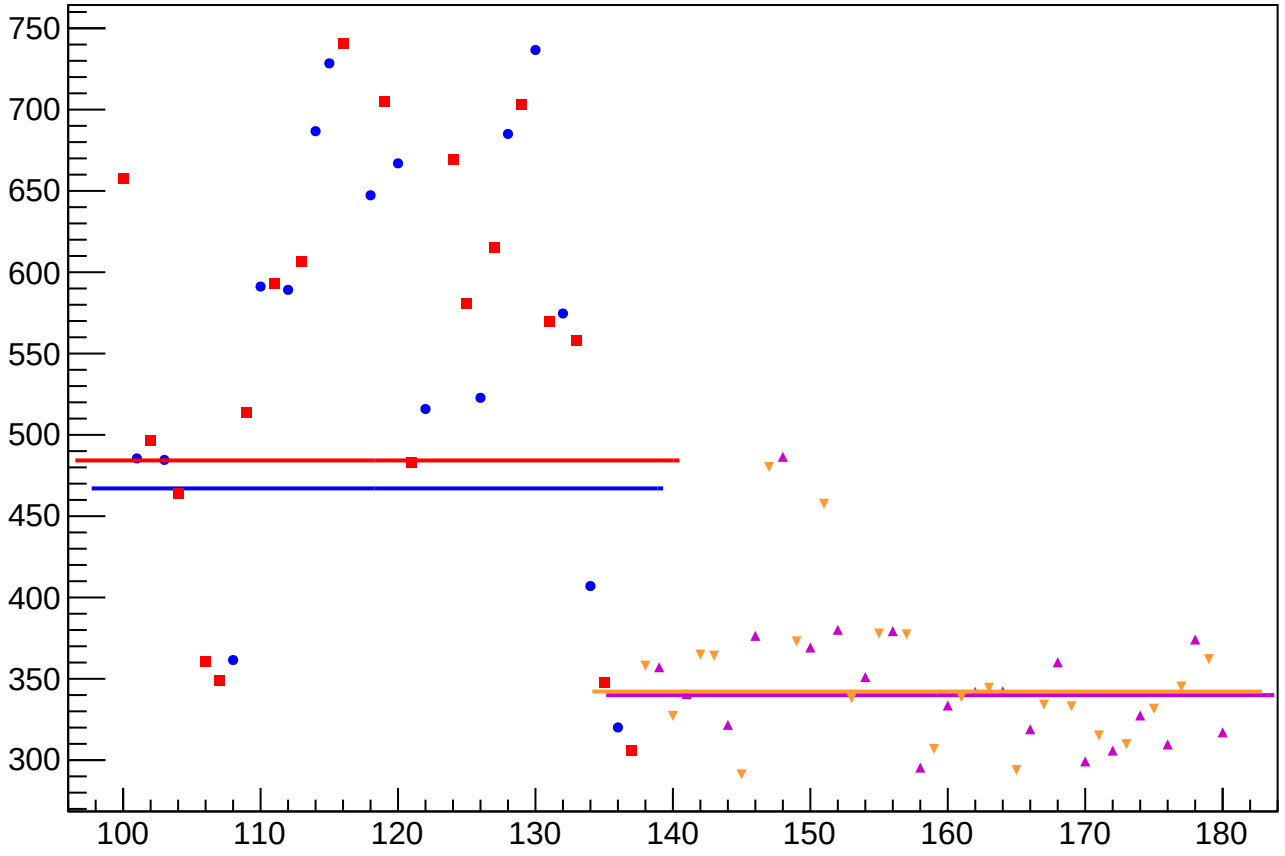
Left In: -28.998+/-82.512 χ^2/NDF:31.6/20

+ sign -131.603+/-75.078 χ^2/NDF: 45.6/37

All: -76.651+/-53.154 χ^2/NDF: 93.5/77

- 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: 342.187+/-0.058 χ^2/NDF:439581.9/21

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

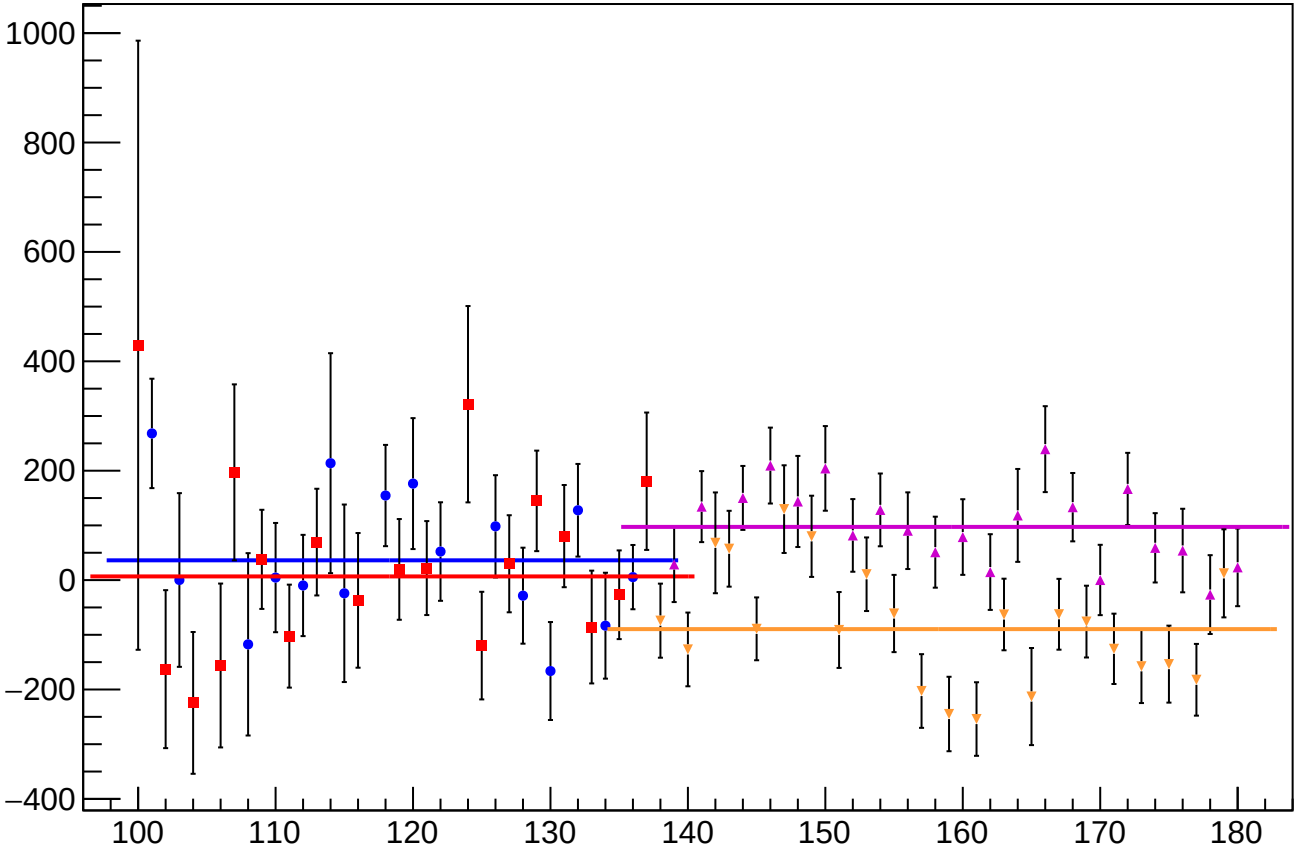
Left In: 339.959+/-0.058 χ^2/NDF:365304.3/20

+ sign 363.769+/-0.053 χ^2/NDF: 2260906.9/37

All: 363.983+/-0.038 χ^2/NDF: 4542616.9/77

- 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: -89.609+/-14.786 χ^2/NDF:45.0/21

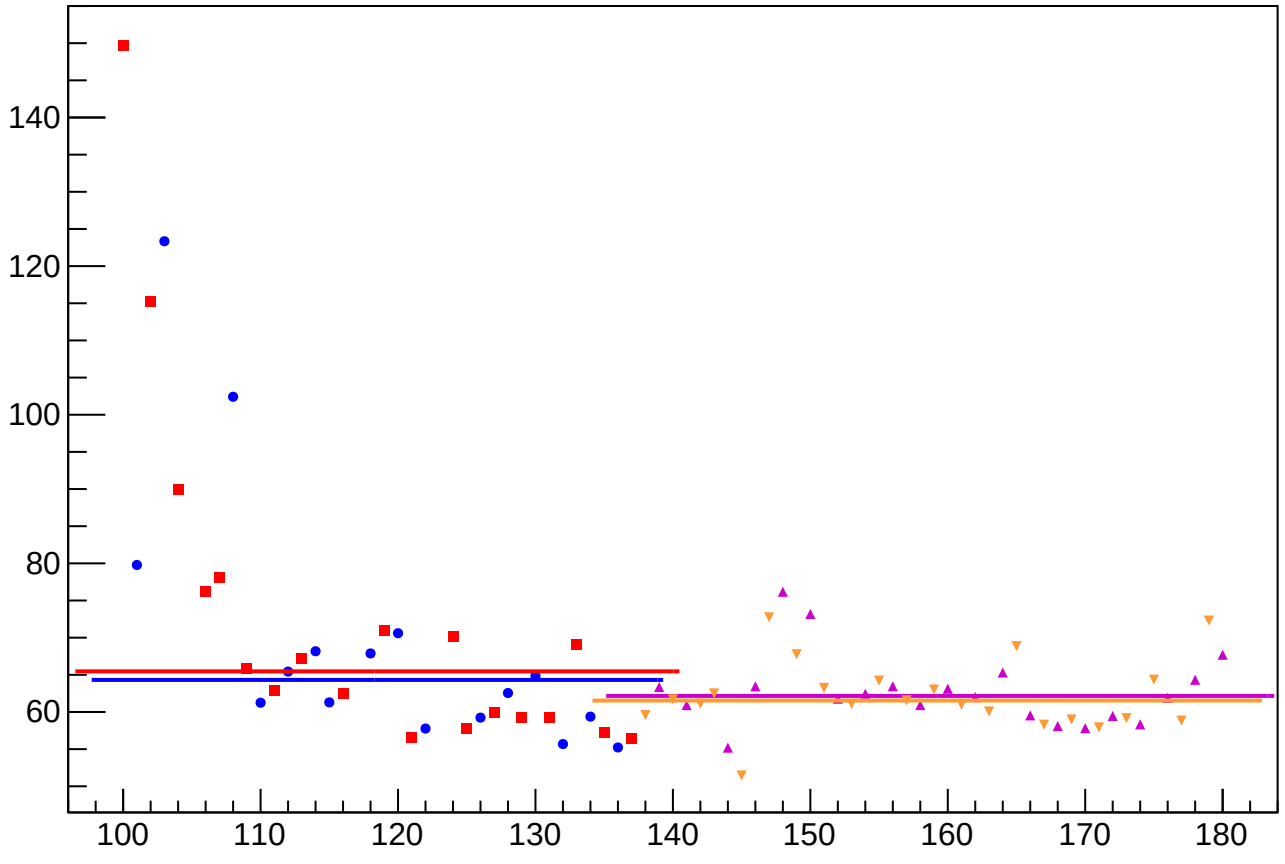
Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: 97.269+/-15.057 χ^2/NDF:21.0/20

+ sign -55.974+/-12.655 χ^2/NDF: 84.0/37

All: 7.365+/-9.012 χ^2/NDF: 186.0/77

- sign 72.543+/-12.838 χ^2/NDF: 51.2/39



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.535+/-0.010 χ^2/NDF:195994.7/21

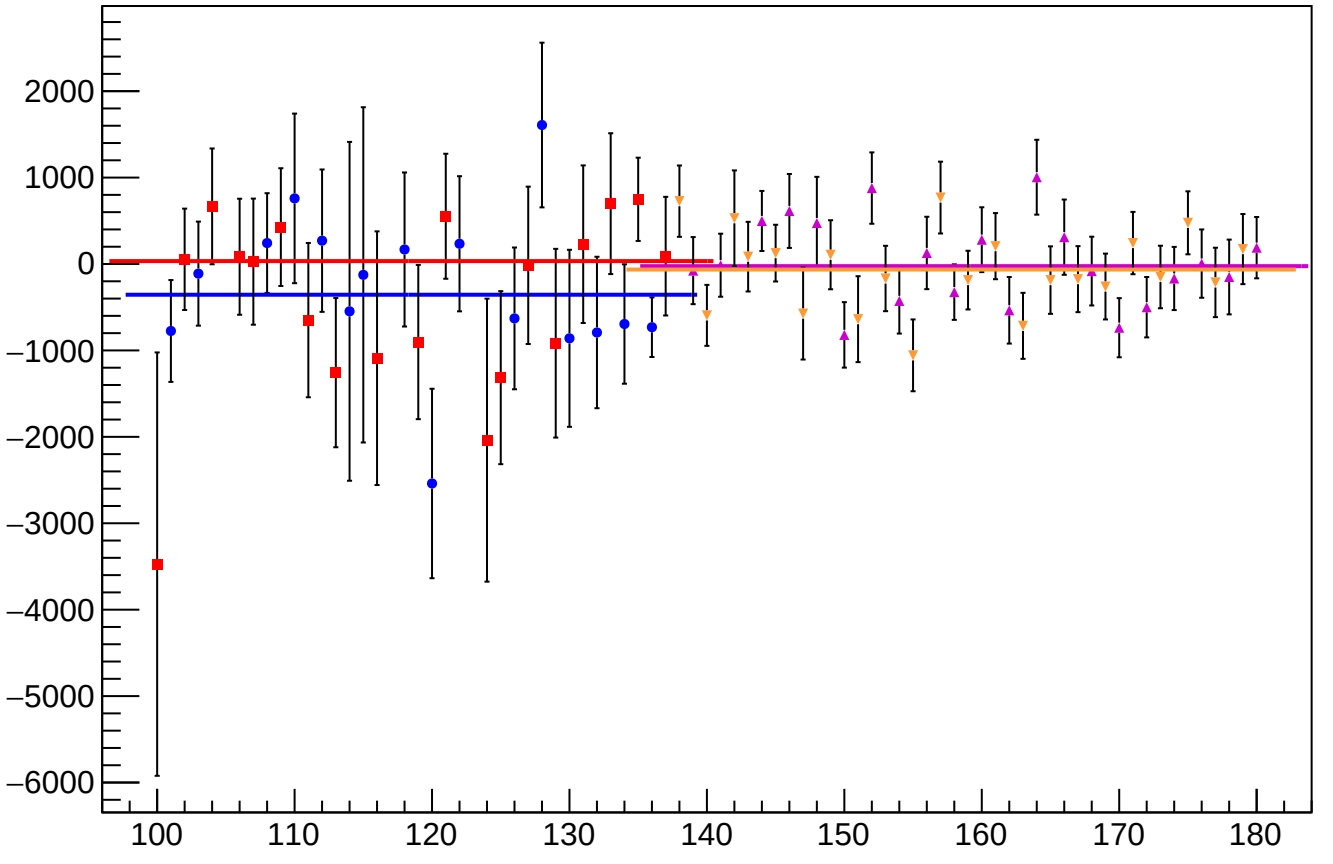
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.162+/-0.011 χ^2/NDF:176679.9/20

+ sign 62.279+/-0.009 χ^2/NDF: 746989.5/37

All: 62.666+/-0.006 χ^2/NDF: 1436127.1/77

- 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: -64.206+/-83.670 χ^2/NDF:27.2/21

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

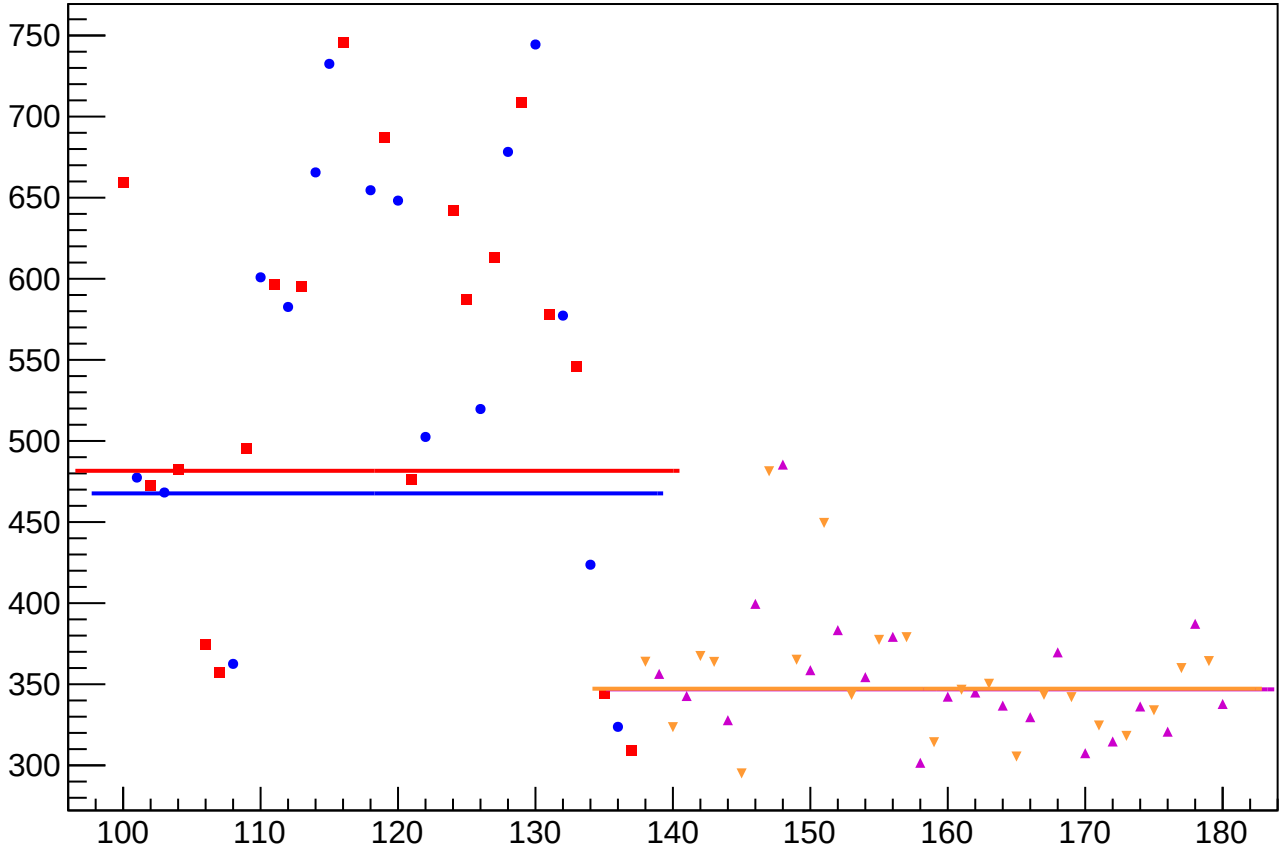
Left In: -24.856+/-84.124 χ^2/NDF:32.2/20

+ sign -115.810+/-75.899 χ^2/NDF: 44.2/37

All: -65.437+/-53.820 χ^2/NDF: 92.8/77

- 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: 347.253+/-0.059 χ^2/NDF:378742.1/21

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

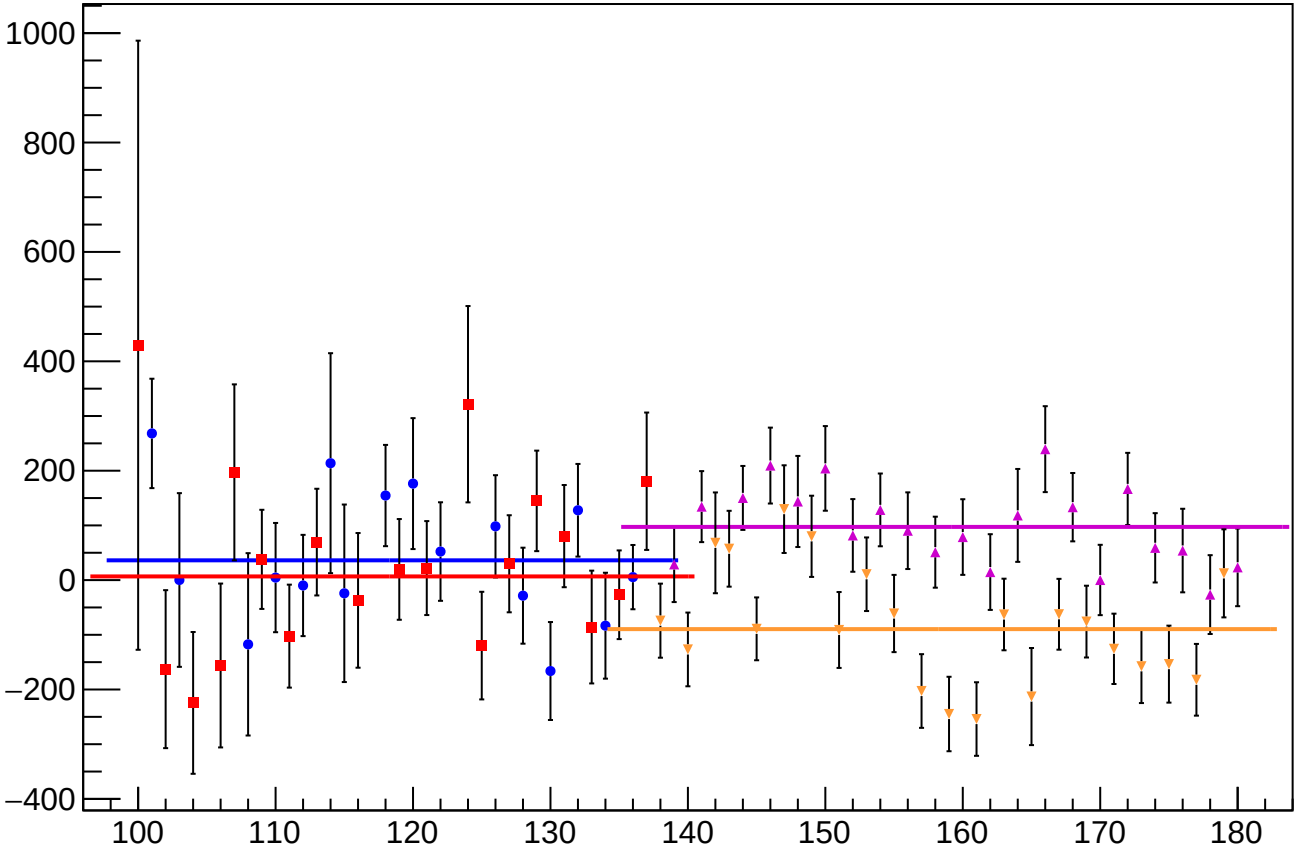
Left In: 346.852+/-0.059 χ^2/NDF:326075.1/20

+ sign 368.584+/-0.054 χ^2/NDF: 2098531.9/37

All: 369.620+/-0.038 χ^2/NDF: 4186549.2/77

- 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: -89.609+/-14.786 χ^2/NDF:45.0/21

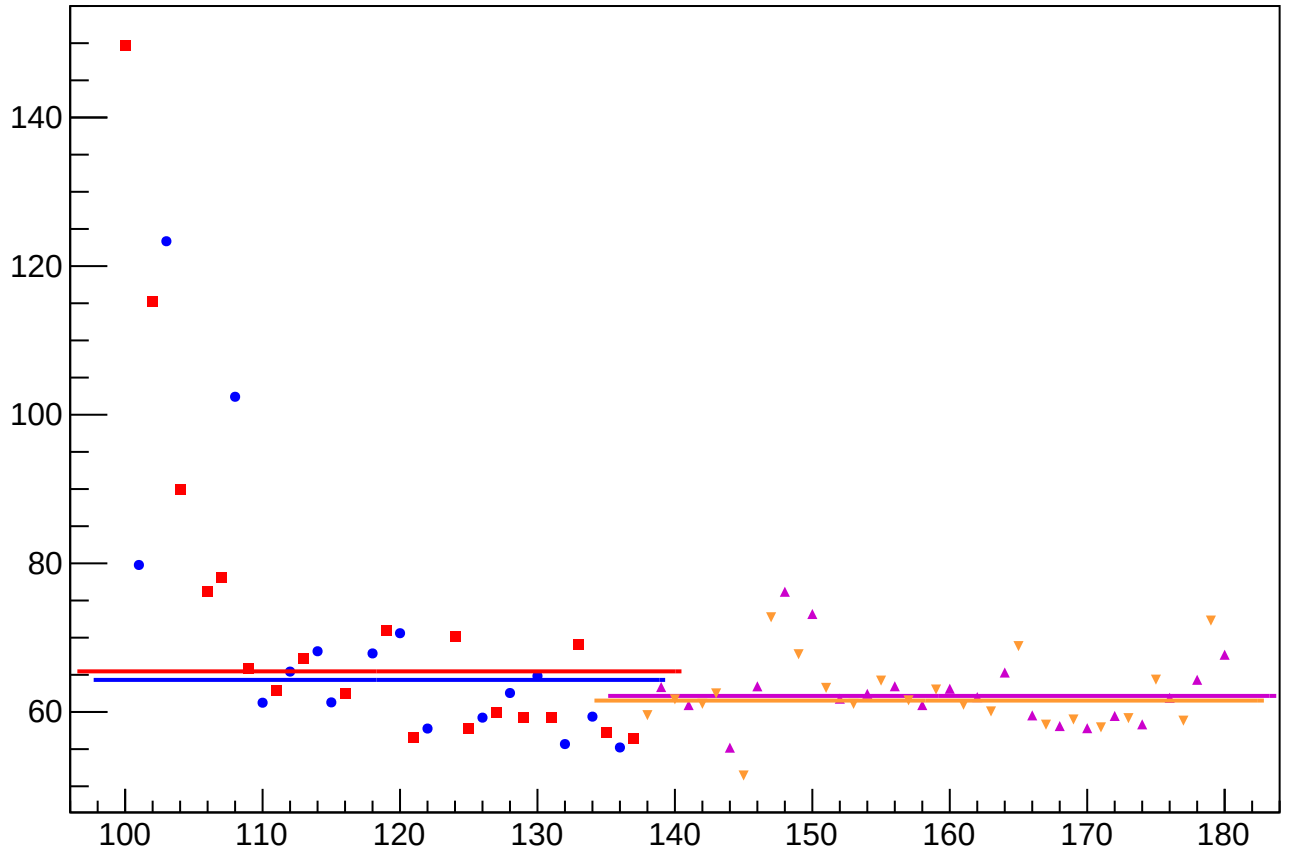
Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: 97.269+/-15.057 χ^2/NDF:21.0/20

+ sign -55.974+/-12.655 χ^2/NDF: 84.0/37

All: 7.365+/-9.012 χ^2/NDF: 186.0/77

- sign 72.543+/-12.838 χ^2/NDF: 51.2/39



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.535+/-0.010 χ^2/NDF:196001.1/21

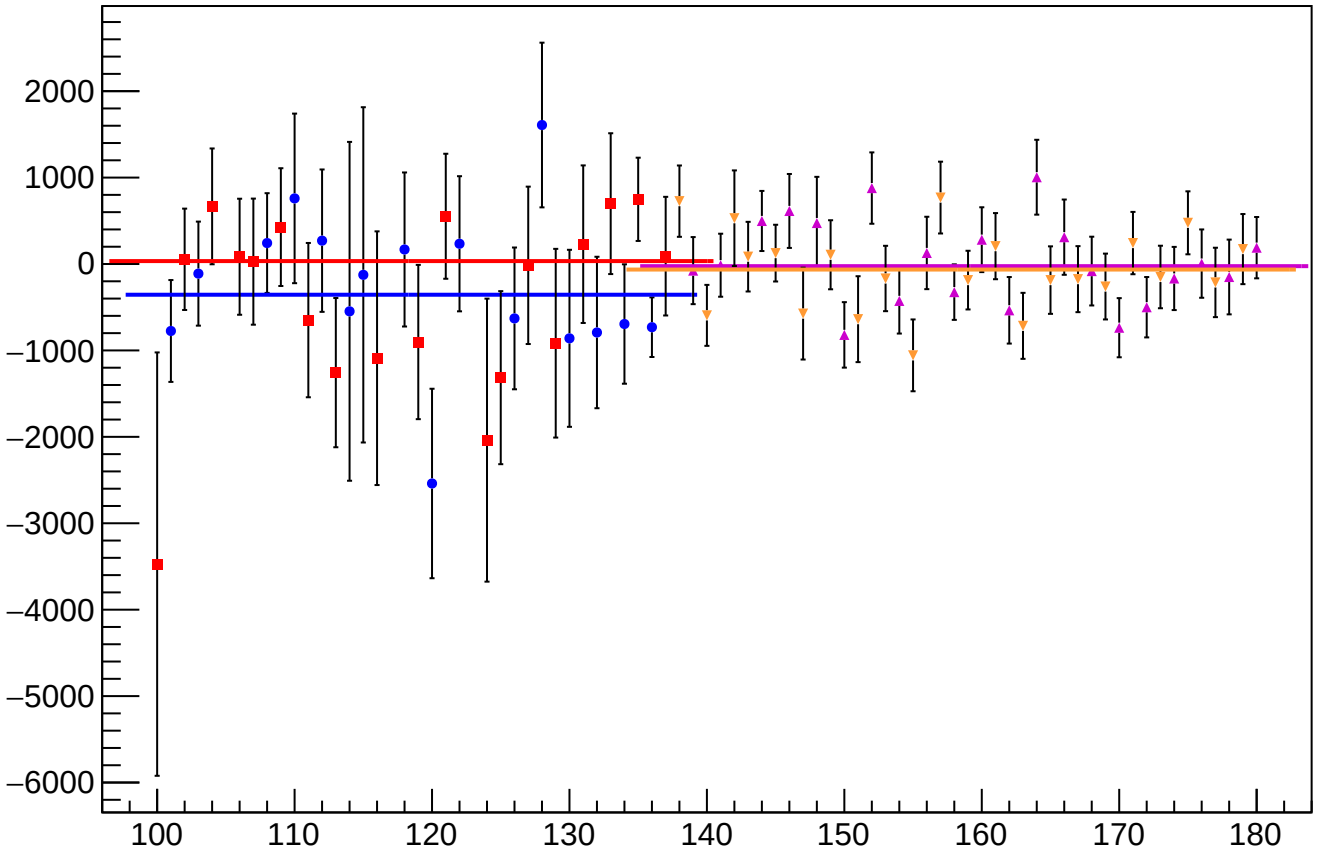
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.162+/-0.011 χ^2/NDF:176683.5/20

+ sign 62.279+/-0.009 χ^2/NDF: 747002.5/37

All: 62.666+/-0.006 χ^2/NDF: 1436147.7/77

- 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: -64.206+/-83.670 χ^2/NDF:27.2/21

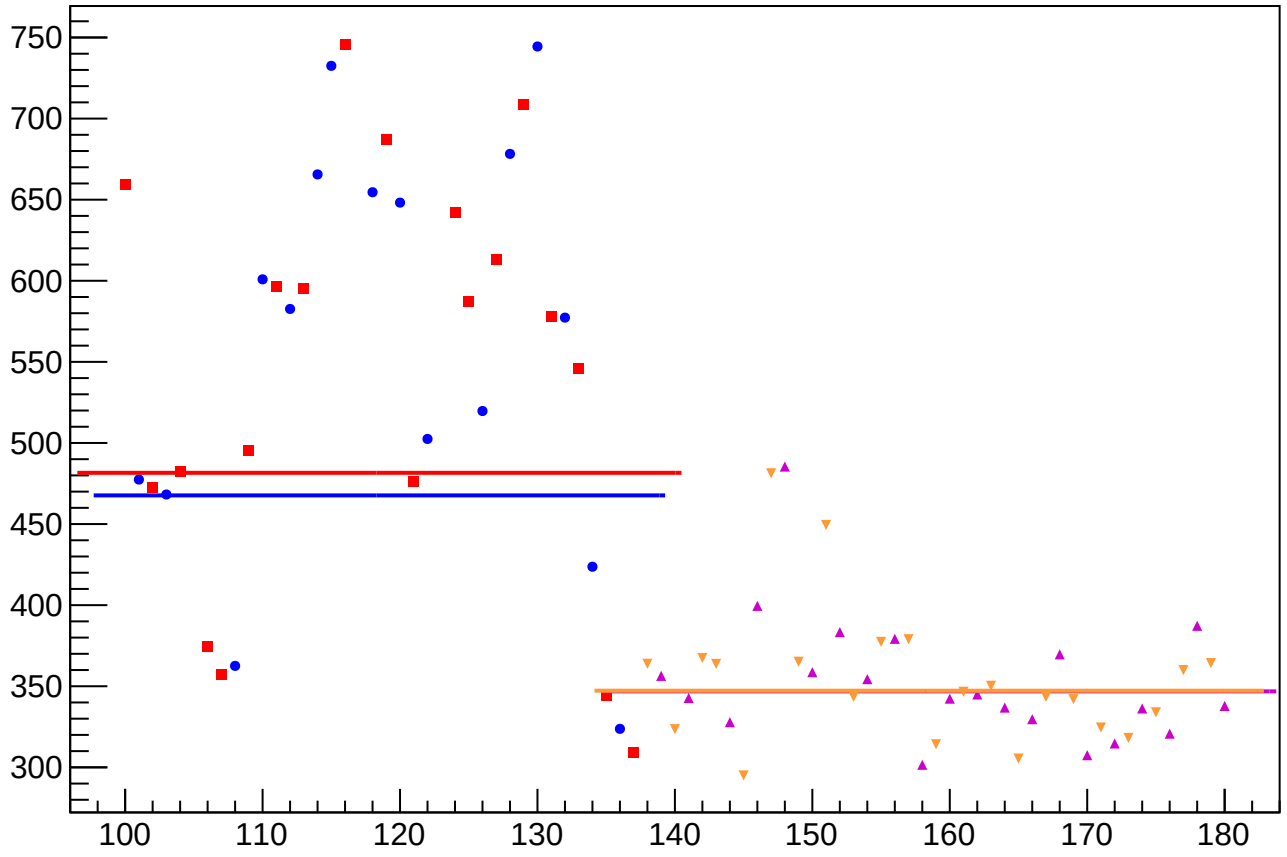
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -24.856+/-84.124 χ^2/NDF:32.2/20

+ sign -115.810+/-75.899 χ^2/NDF: 44.2/37

All: -65.437+/-53.820 χ^2/NDF: 92.8/77

- 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: 347.253+/-0.059 χ^2/NDF:378741.6/21

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

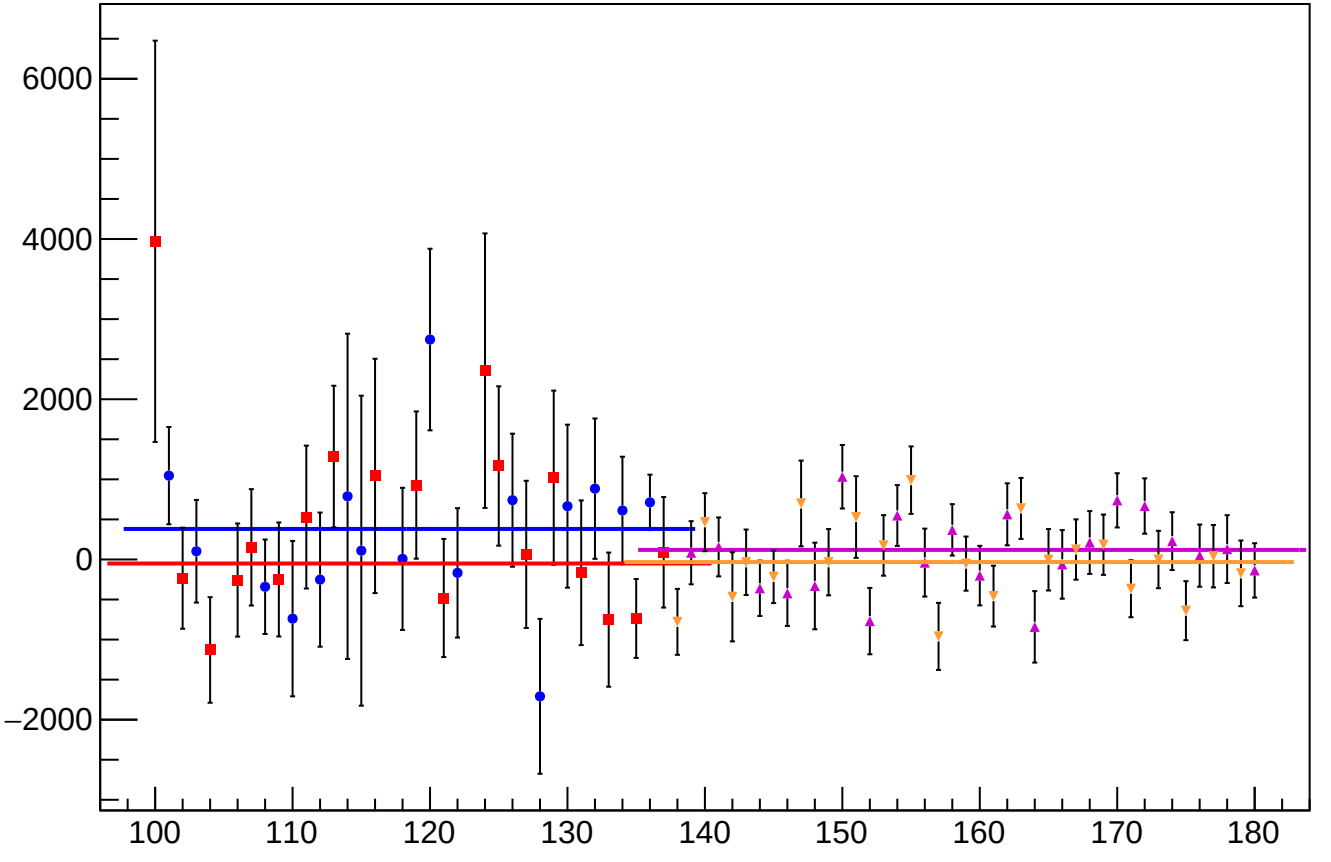
Left In: 346.852+/-0.059 χ^2/NDF:326076.5/20

+ sign 368.584+/-0.054 χ^2/NDF: 2098525.8/37

All: 369.620+/-0.038 χ^2/NDF: 4186534.0/77

- 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: -32.363+/-83.733 χ^2/NDF:28.9/21

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

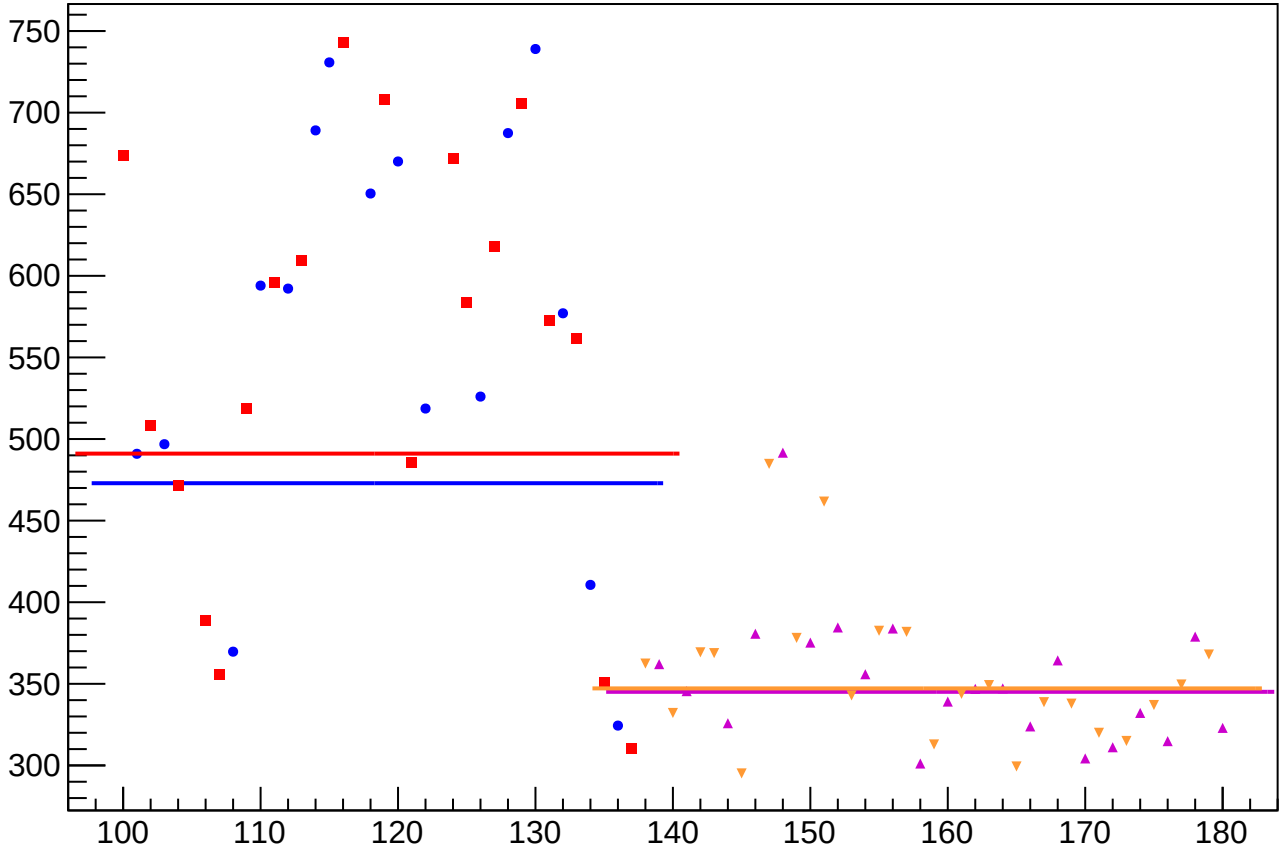
Left In: 119.376+/-83.736 χ^2/NDF:29.8/20

\+ sign 39.435+/-76.116 χ^2/NDF: 49.3/37

All: 64.943+/-53.888 χ^2/NDF: 97.5/77

\- 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: 347.196+/-0.059 χ^2/NDF:426269.9/21

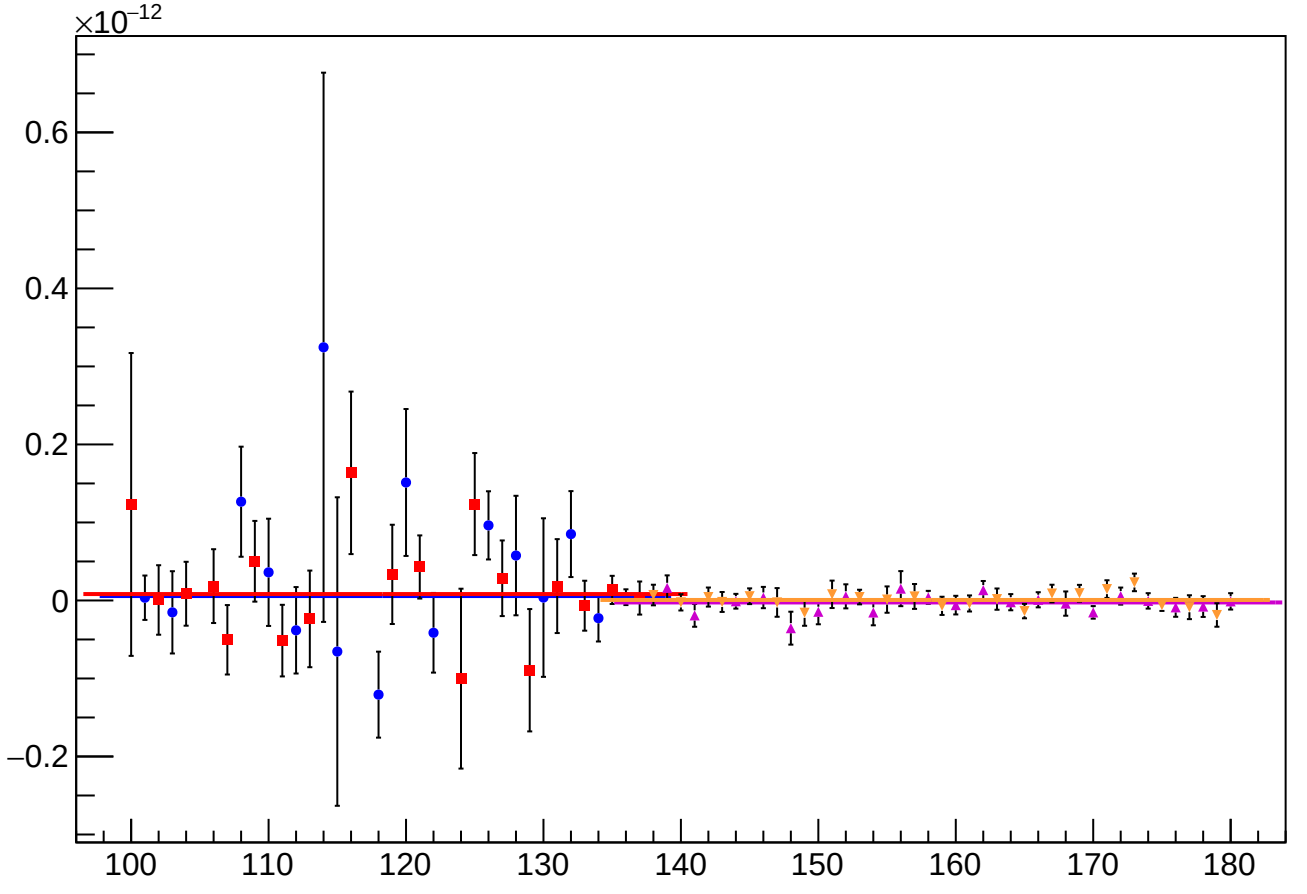
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 345.098+/-0.059 χ^2/NDF:352388.7/20

+ sign 369.030+/-0.054 χ^2/NDF: 2209596.1/37

All: 369.444+/-0.038 χ^2/NDF: 4440505.4/77

- 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:14.6/21

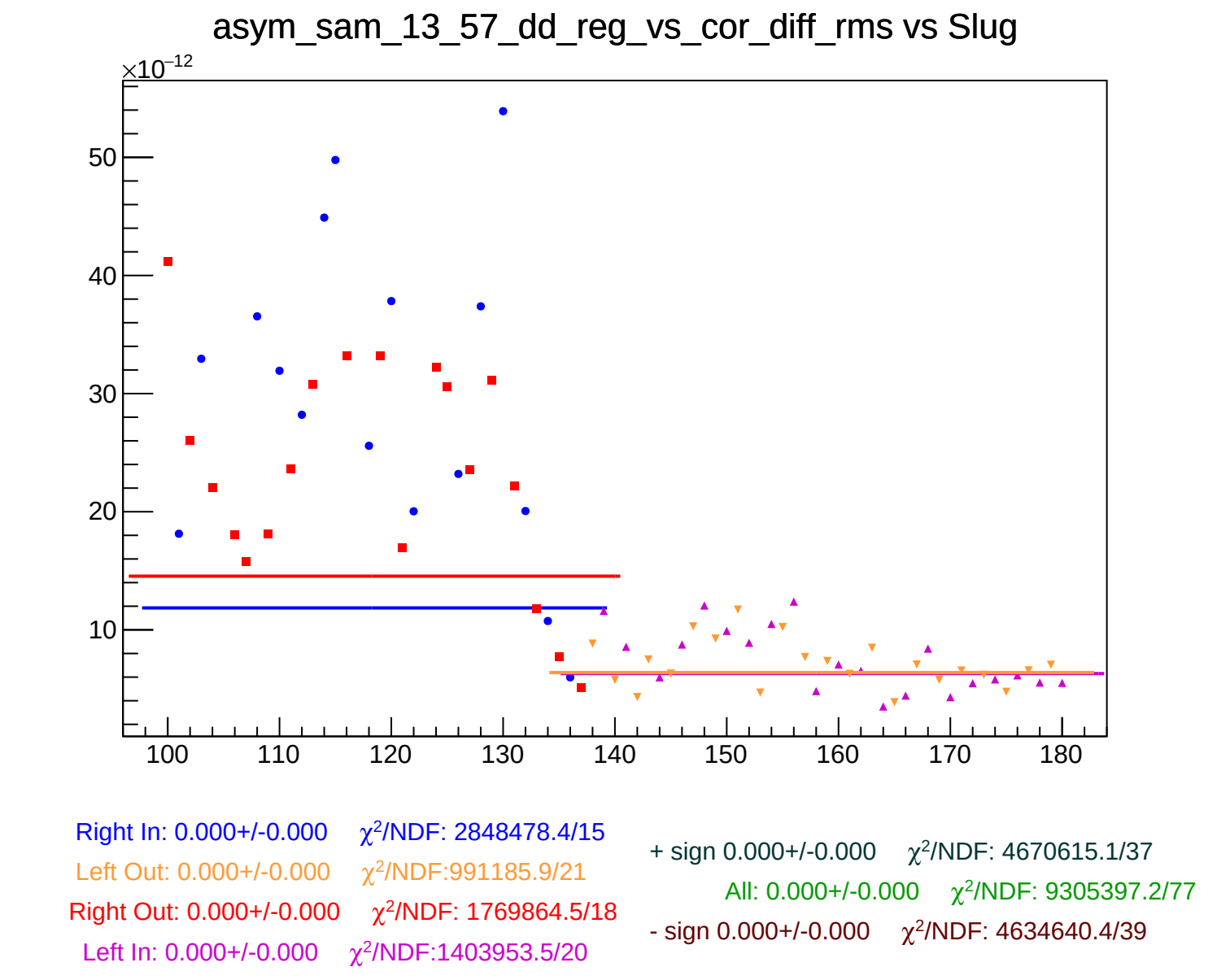
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/20

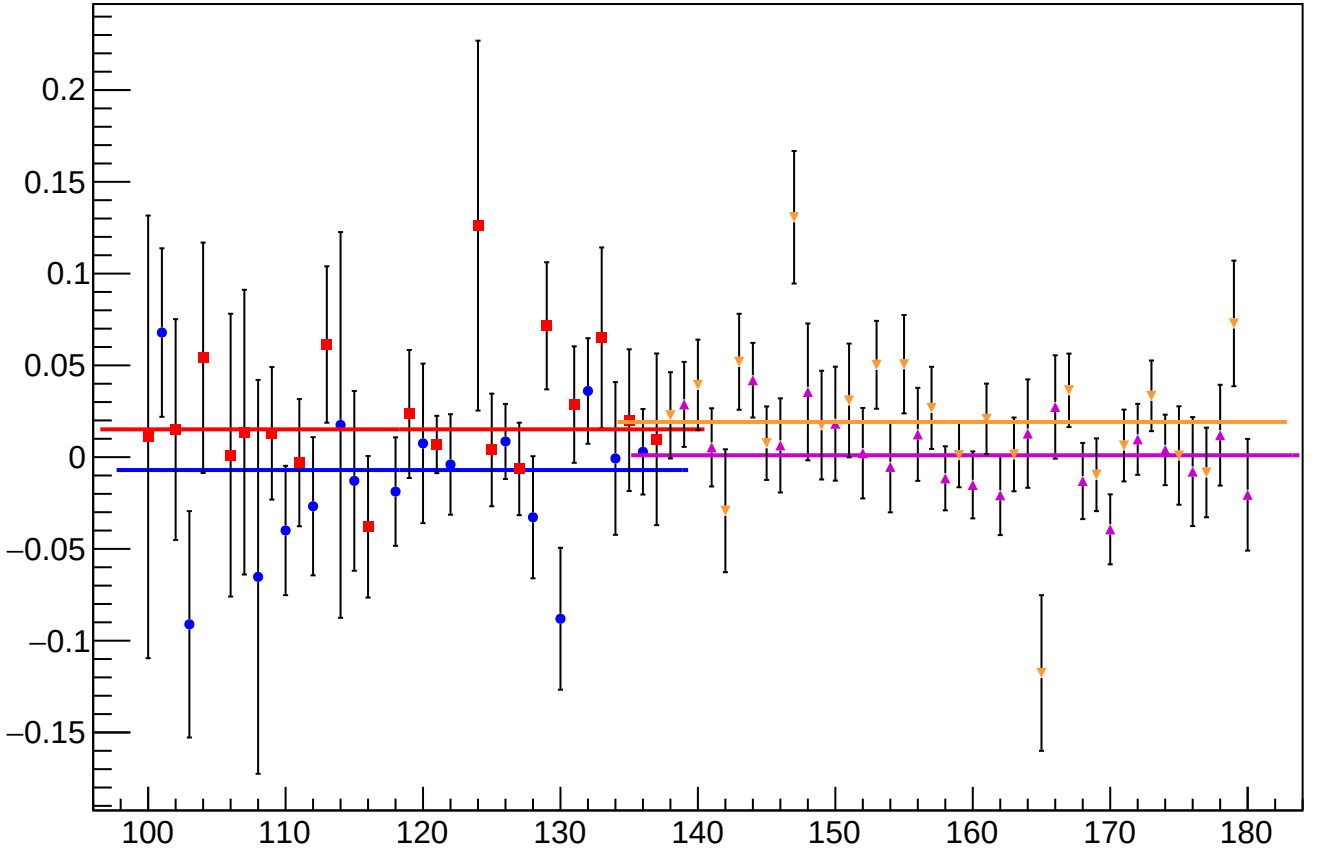
+ sign 0.000+/-0.000 χ^2/NDF: 36.1/37

All: -0.000+/-0.000 χ^2/NDF: 65.6/77

- sign -0.000+/-0.000 χ^2/NDF: 28.8/39


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:991185.9/21
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: 4670615.1/37
All: 0.000+/-0.000 χ²/NDF: 9305397.2/77
- 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: 0.019+/-0.005 χ^2/NDF:37.8/21

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

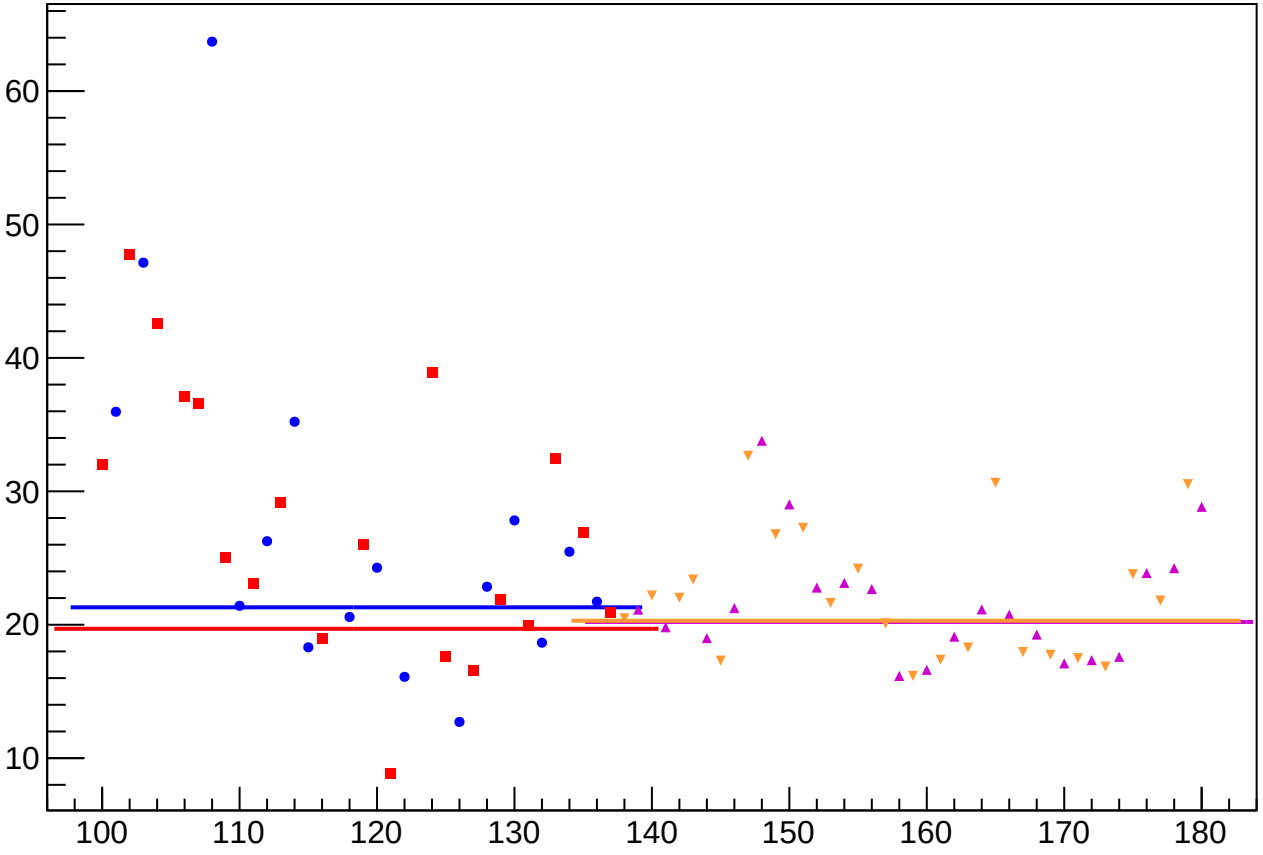
Left In: 0.001+/-0.005 χ^2/NDF:16.3/20

+ sign 0.013+/-0.004 χ^2/NDF: 59.1/37

All: 0.009+/-0.003 χ^2/NDF: 89.1/77

- 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: 20.301+/-0.004 χ^2/NDF:1252293.5/21

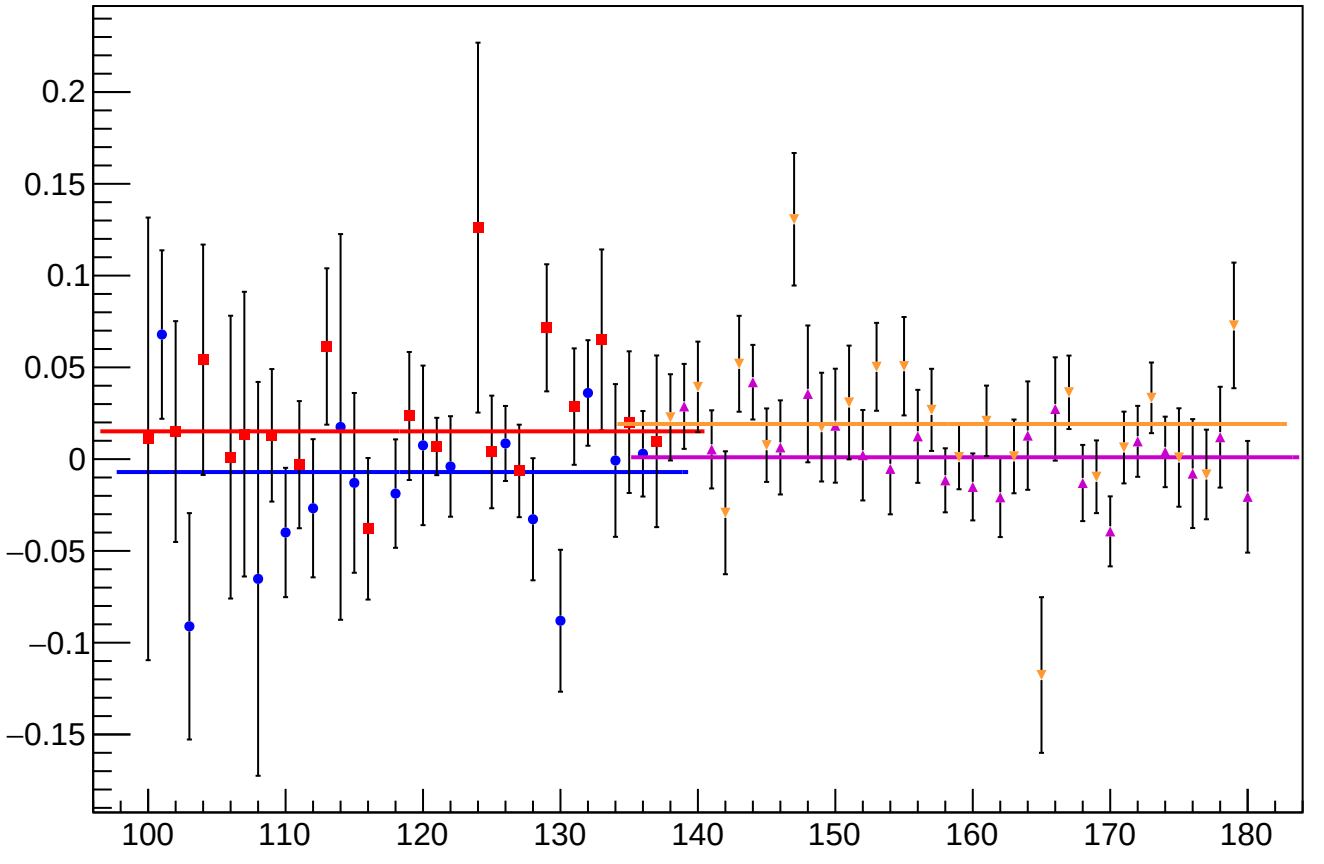
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.209+/-0.004 χ^2/NDF:1074964.1/20

+ sign 20.555+/-0.003 χ^2/NDF: 2751964.5/37

All: 20.310+/-0.002 χ^2/NDF: 6284202.2/77

- 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: 0.019+/-0.005 χ^2/NDF:37.8/21

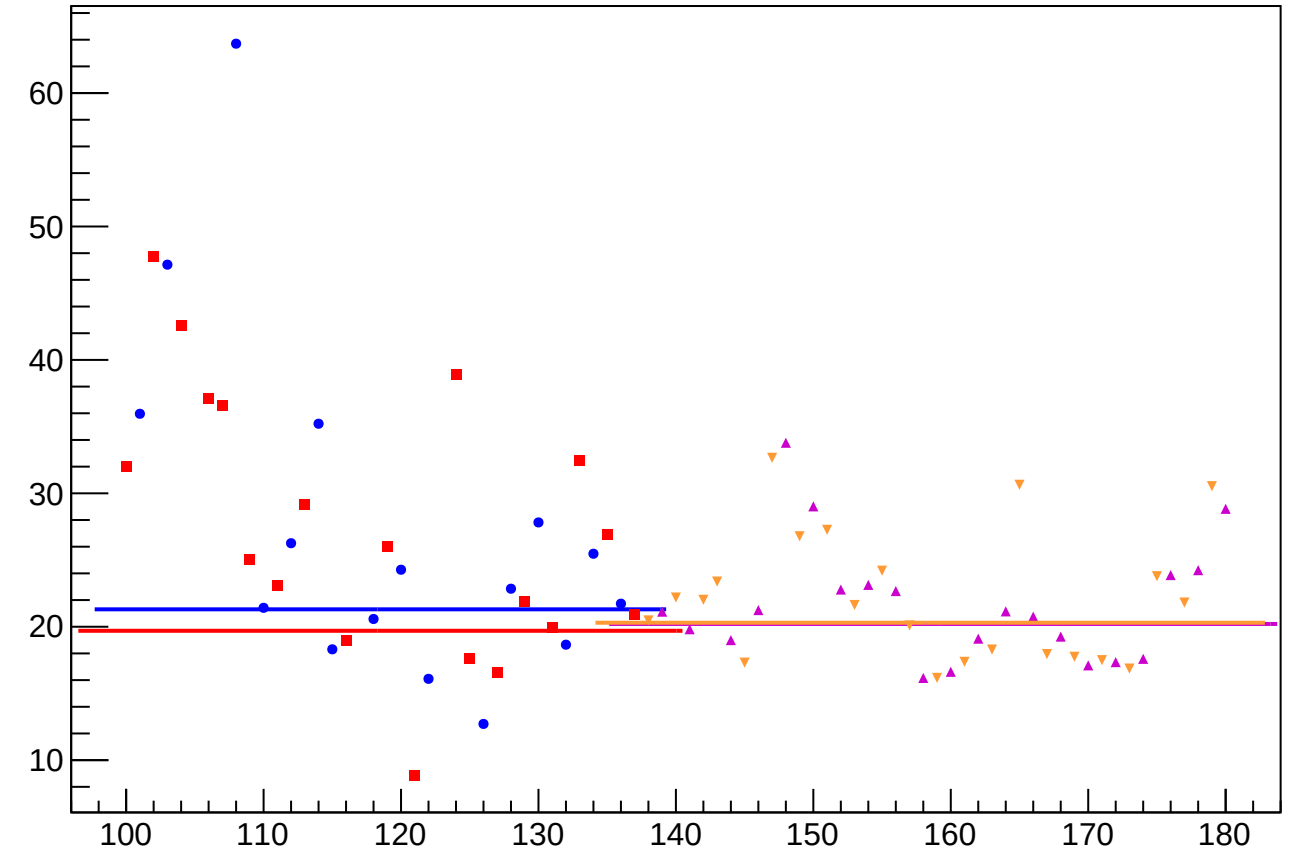
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:16.3/20

+ sign 0.013+/-0.004 χ^2/NDF: 59.1/37

All: 0.009+/-0.003 χ^2/NDF: 89.1/77

- 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: 20.301+/-0.004 χ^2/NDF:1252293.5/21

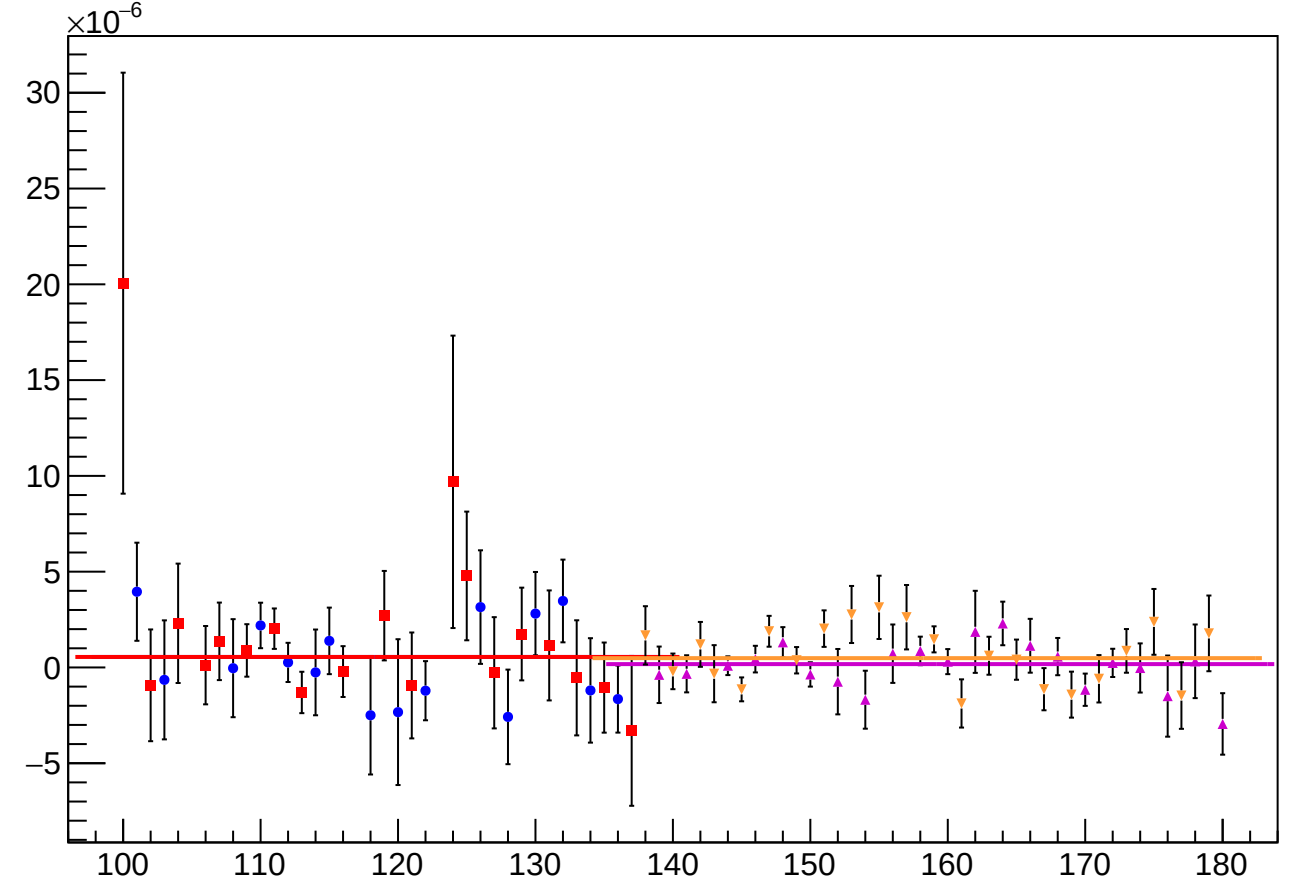
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.209+/-0.004 χ^2/NDF:1074964.1/20

+ sign 20.555+/-0.003 χ^2/NDF: 2751964.5/37

All: 20.310+/-0.002 χ^2/NDF: 6284202.2/77

- 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:35.0/21

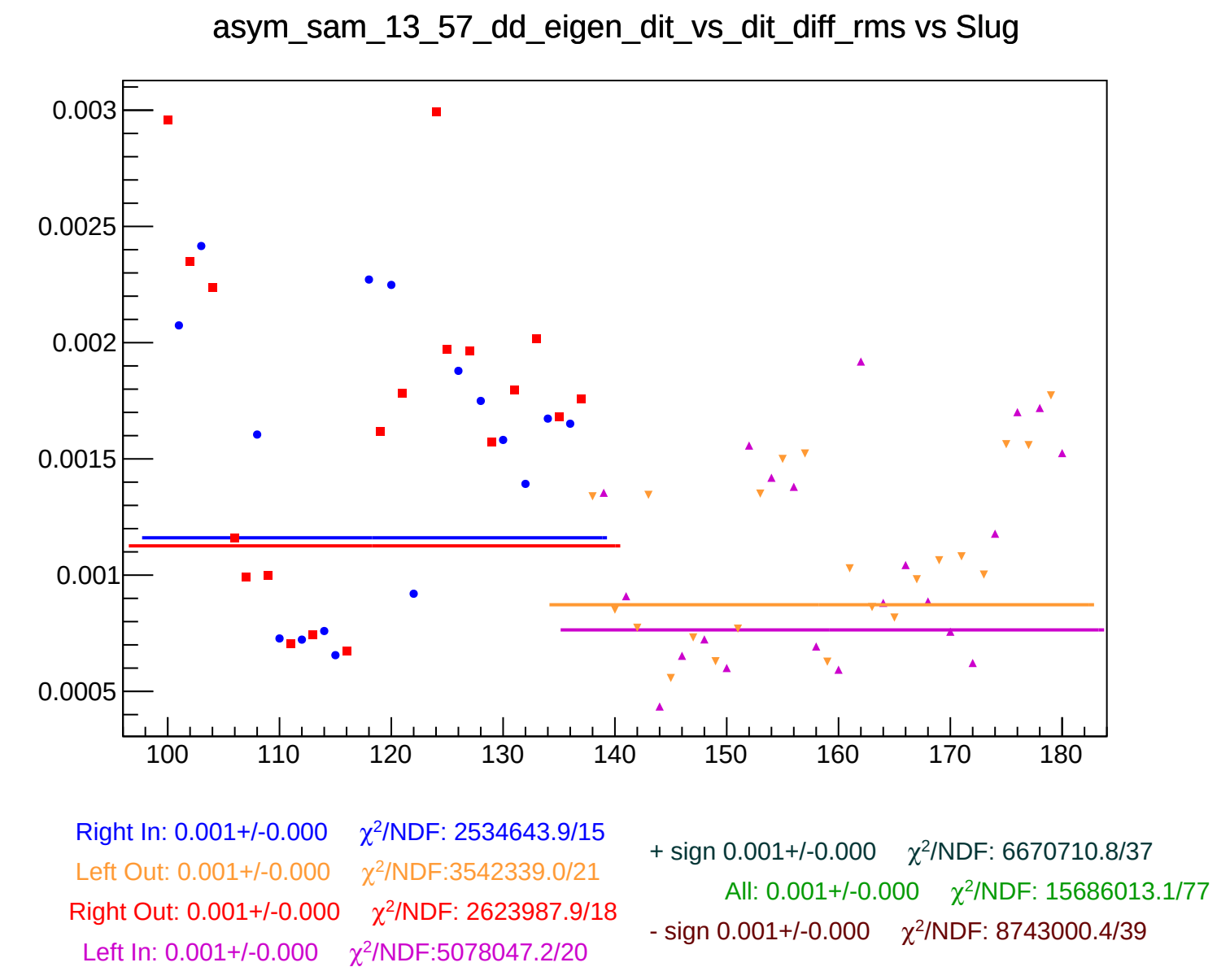
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

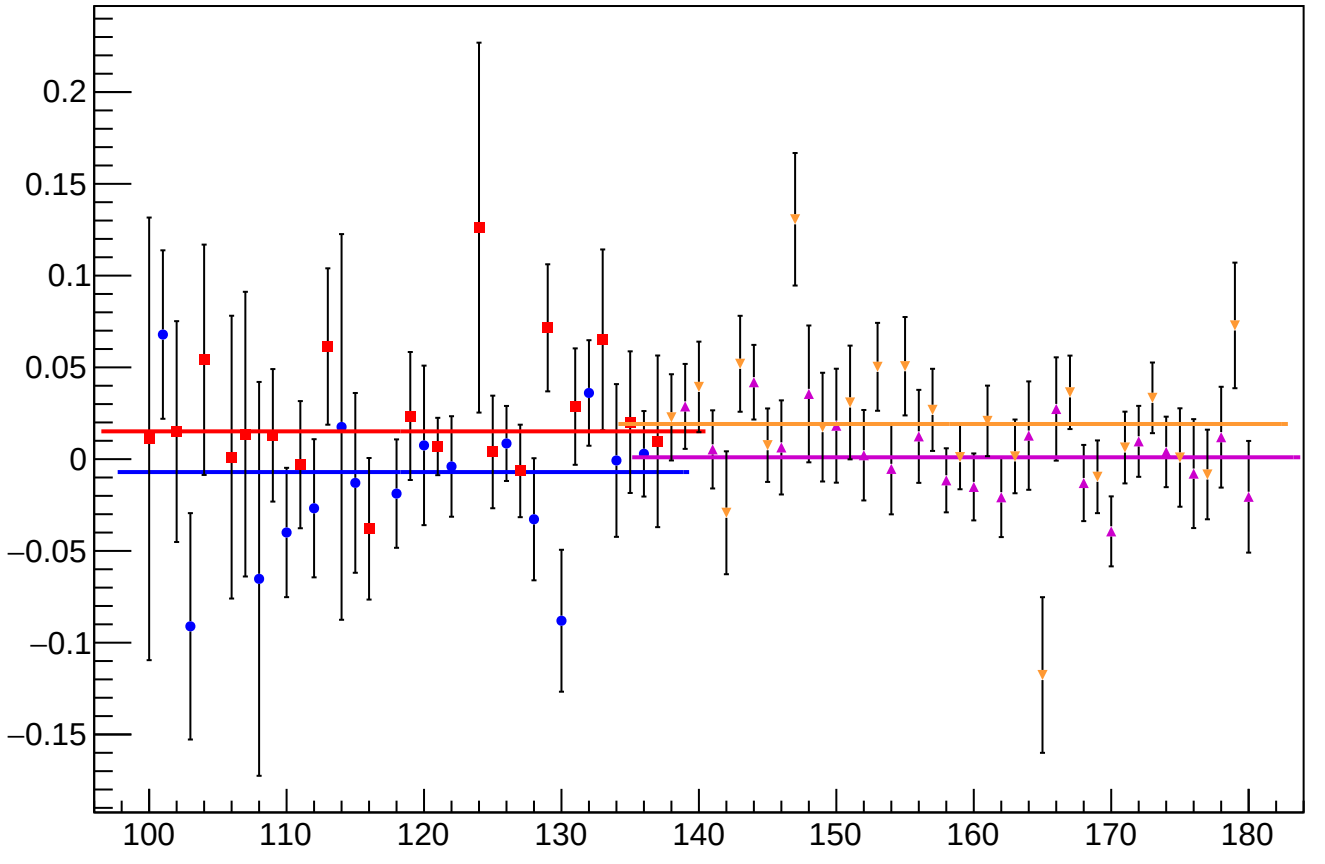
Left In: 0.000+/-0.000 χ^2/NDF:17.9/20

+ sign 0.000+/-0.000 χ^2/NDF: 49.4/37

All: 0.000+/-0.000 χ^2/NDF: 84.1/77

- 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
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:3542339.0/21
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:5078047.2/20
+ sign 0.001+/-0.000 χ²/NDF: 6670710.8/37
All: 0.001+/-0.000 χ²/NDF: 15686013.1/77
- sign 0.001+/-0.000 χ²/NDF: 8743000.4/39



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:37.8/21

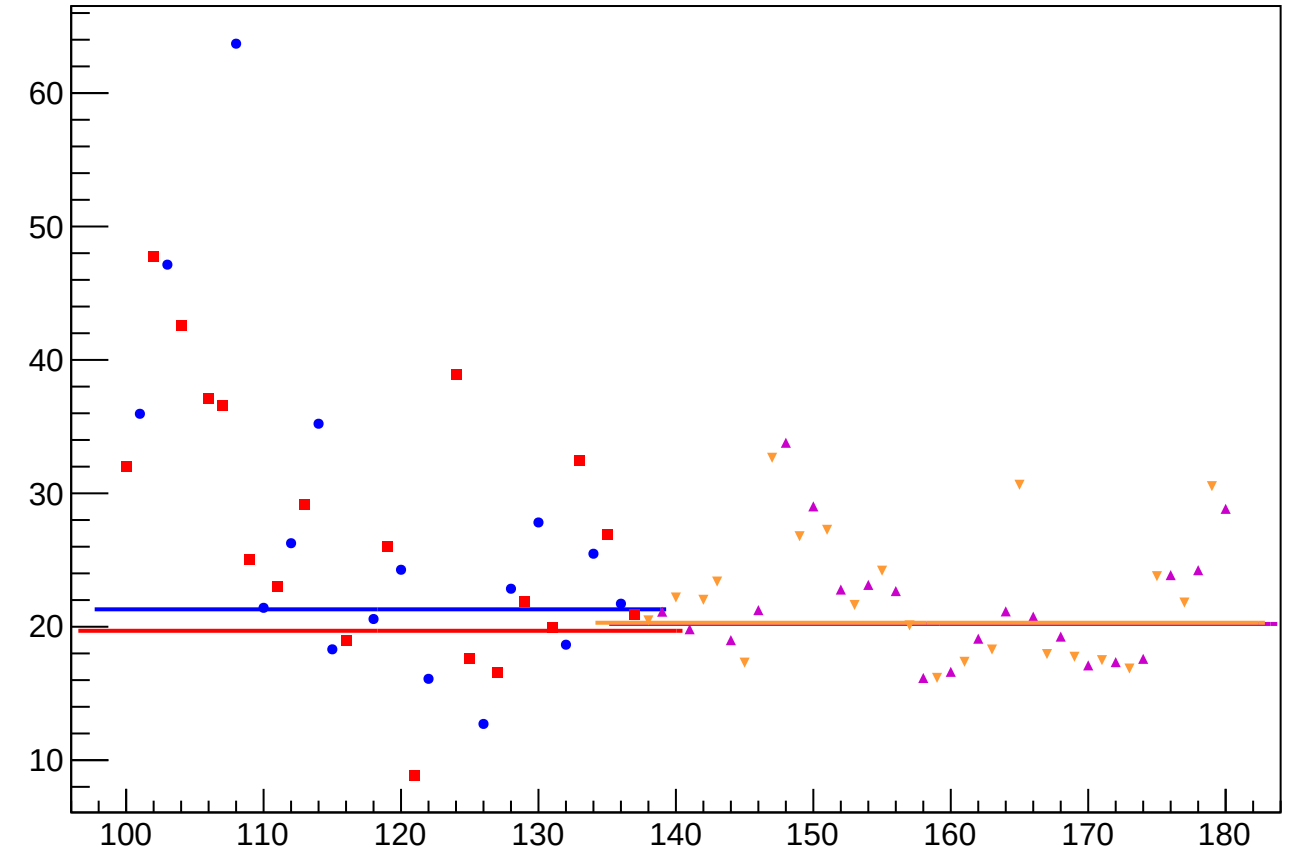
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:16.3/20

+ sign 0.013+/-0.004 χ^2/NDF: 59.1/37

All: 0.009+/-0.003 χ^2/NDF: 89.1/77

- 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: 20.301+/-0.004 χ^2/NDF:1252423.0/21

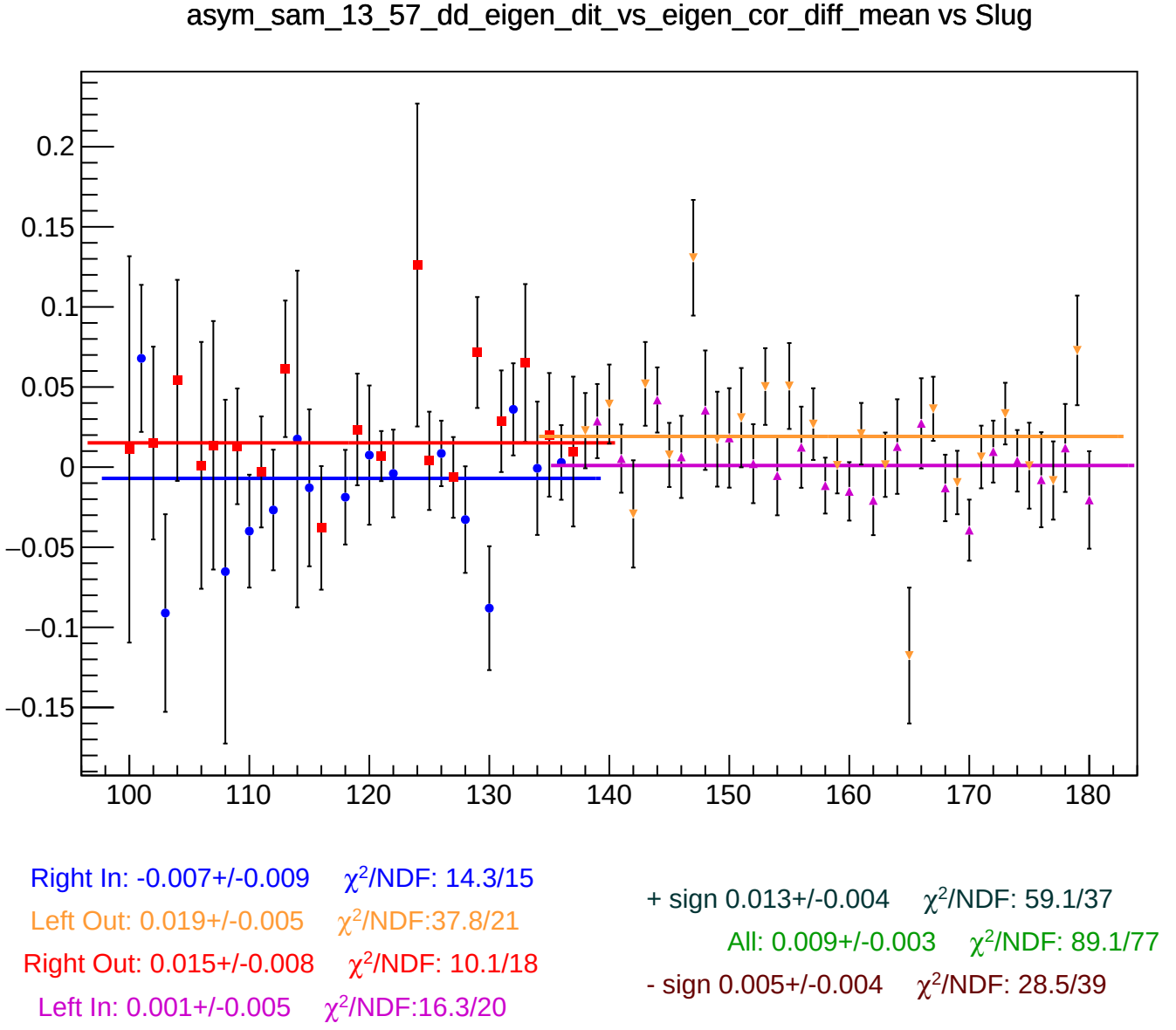
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

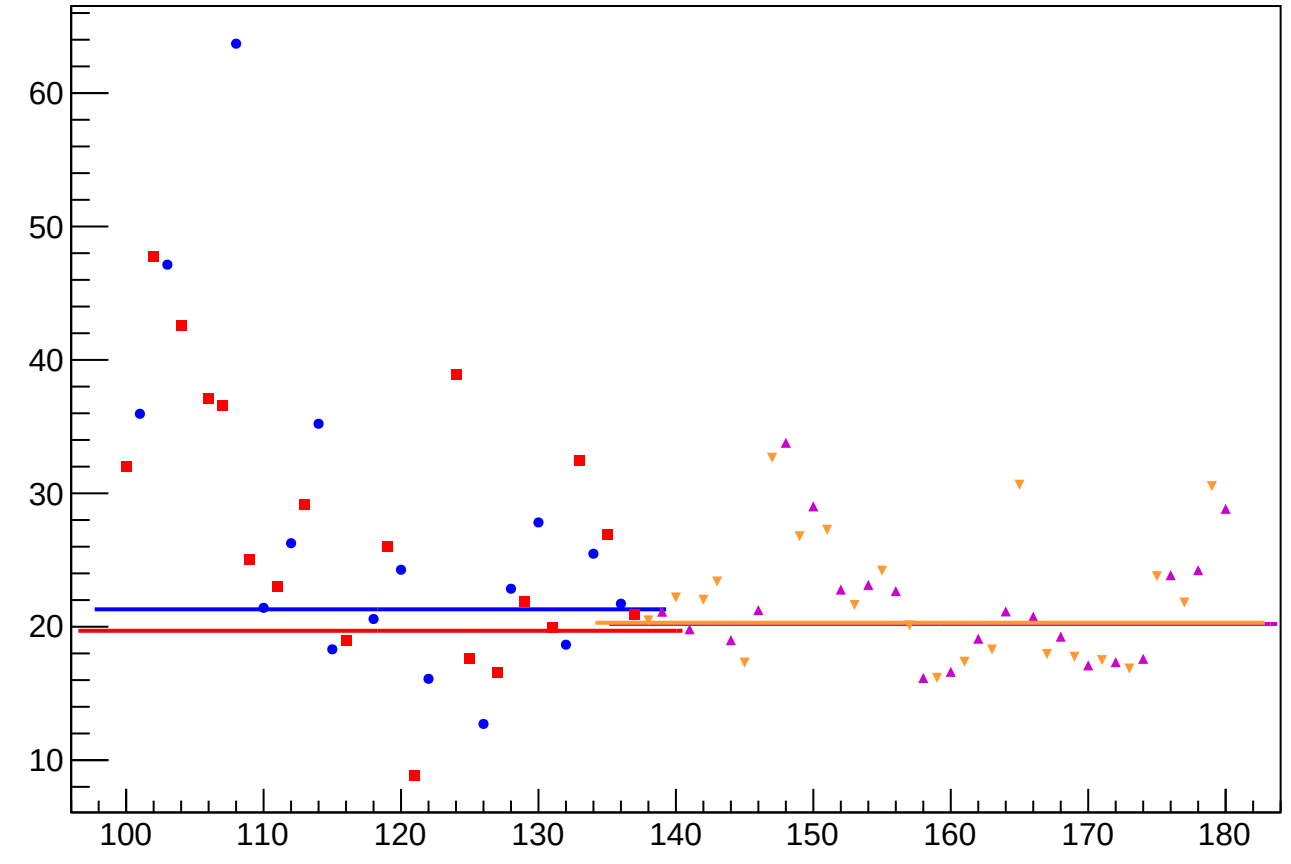
Left In: 20.209+/-0.004 χ^2/NDF:1075018.1/20

+ sign 20.555+/-0.003 χ^2/NDF: 2751940.4/37

All: 20.310+/-0.002 χ^2/NDF: 6283842.9/77

- sign 20.070+/-0.003 χ^2/NDF: 3519258.8/39


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.005 χ²/NDF:37.8/21
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.001+/-0.005 χ²/NDF:16.3/20
+ sign 0.013+/-0.004 χ²/NDF: 59.1/37
All: 0.009+/-0.003 χ²/NDF: 89.1/77
- sign 0.005+/-0.004 χ²/NDF: 28.5/39



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.301+/-0.004 χ^2/NDF:1252423.0/21

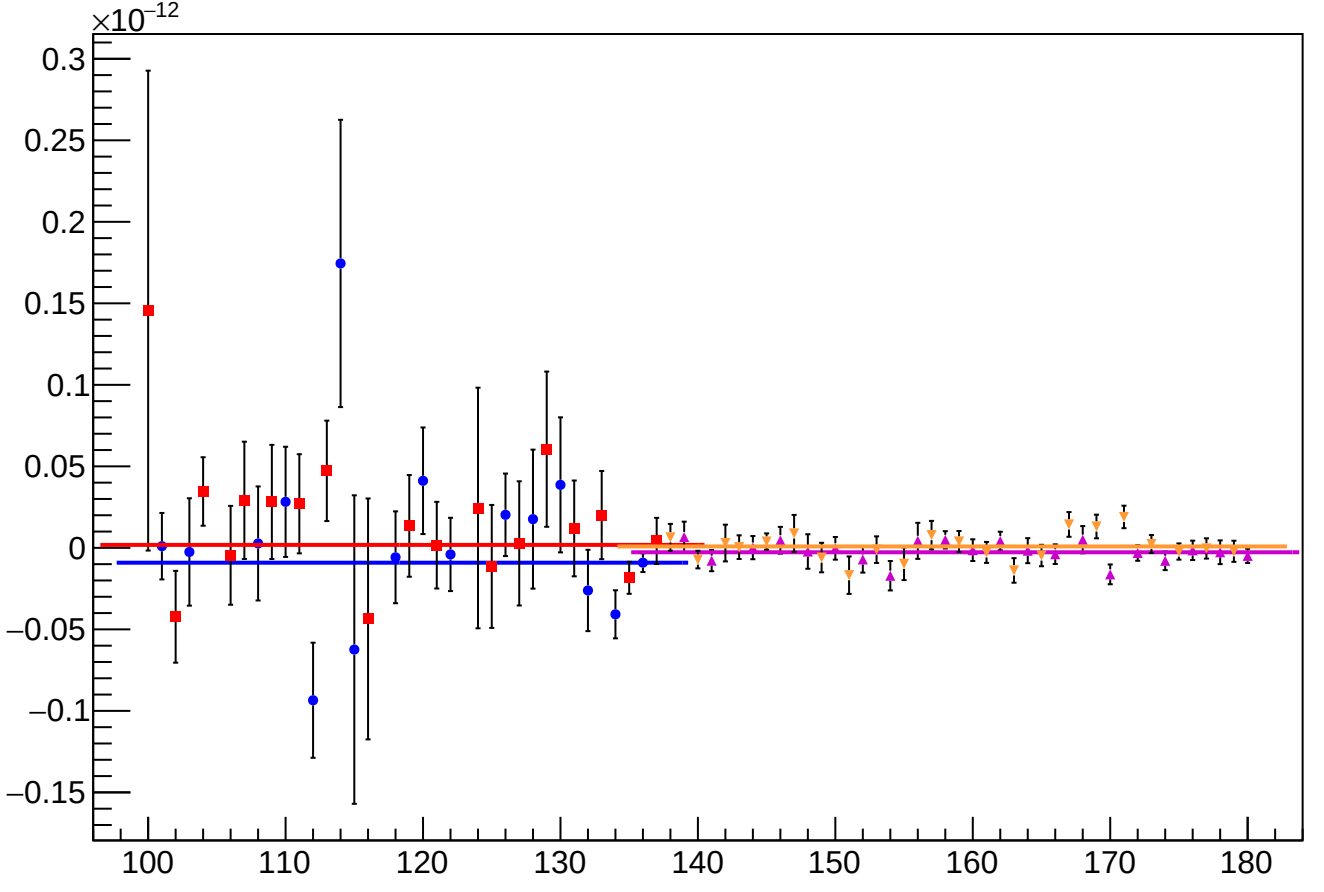
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.209+/-0.004 χ^2/NDF:1075018.1/20

+ sign 20.555+/-0.003 χ^2/NDF: 2751940.4/37

All: 20.310+/-0.002 χ^2/NDF: 6283842.9/77

- 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:27.0/21

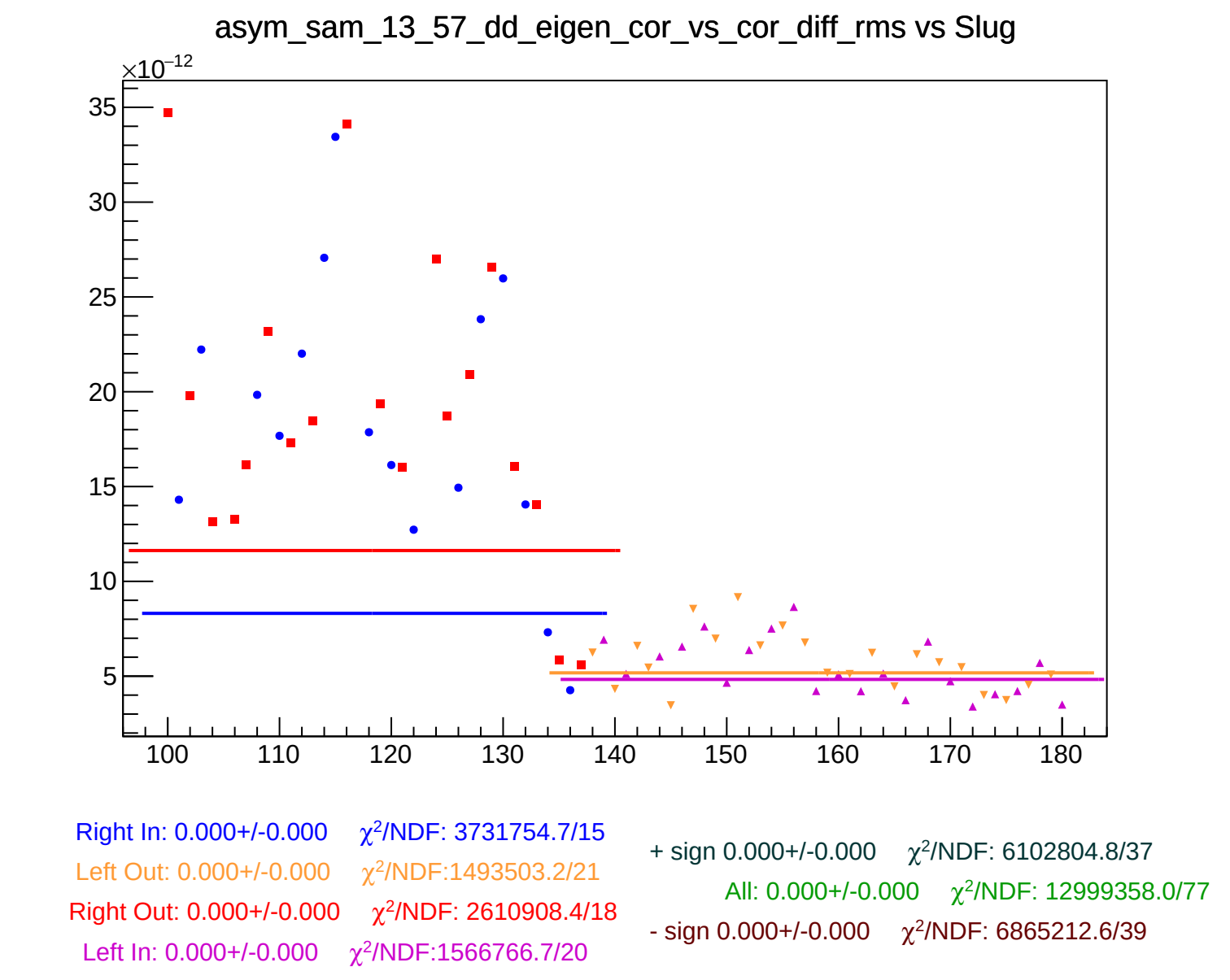
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

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

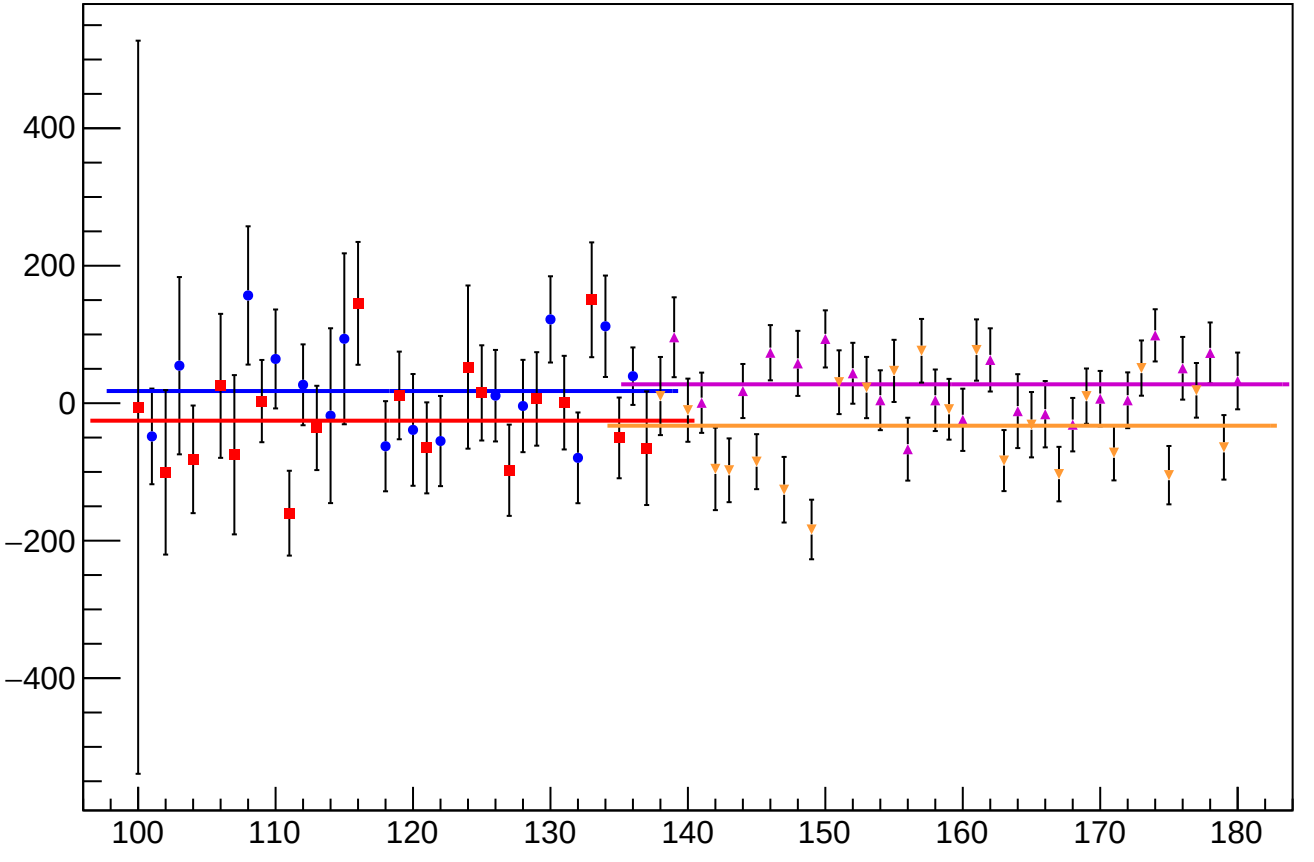
+ sign -0.000+/-0.000 χ^2/NDF: 54.0/37

All: -0.000+/-0.000 χ^2/NDF: 89.5/77

- sign -0.000+/-0.000 χ^2/NDF: 34.1/39


asym_sam_13_57_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: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1493503.2/21
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: 6102804.8/37
All: 0.000+/-0.000 χ²/NDF: 12999358.0/77
- 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: -32.735+/-9.474 χ^2/NDF:55.9/21

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

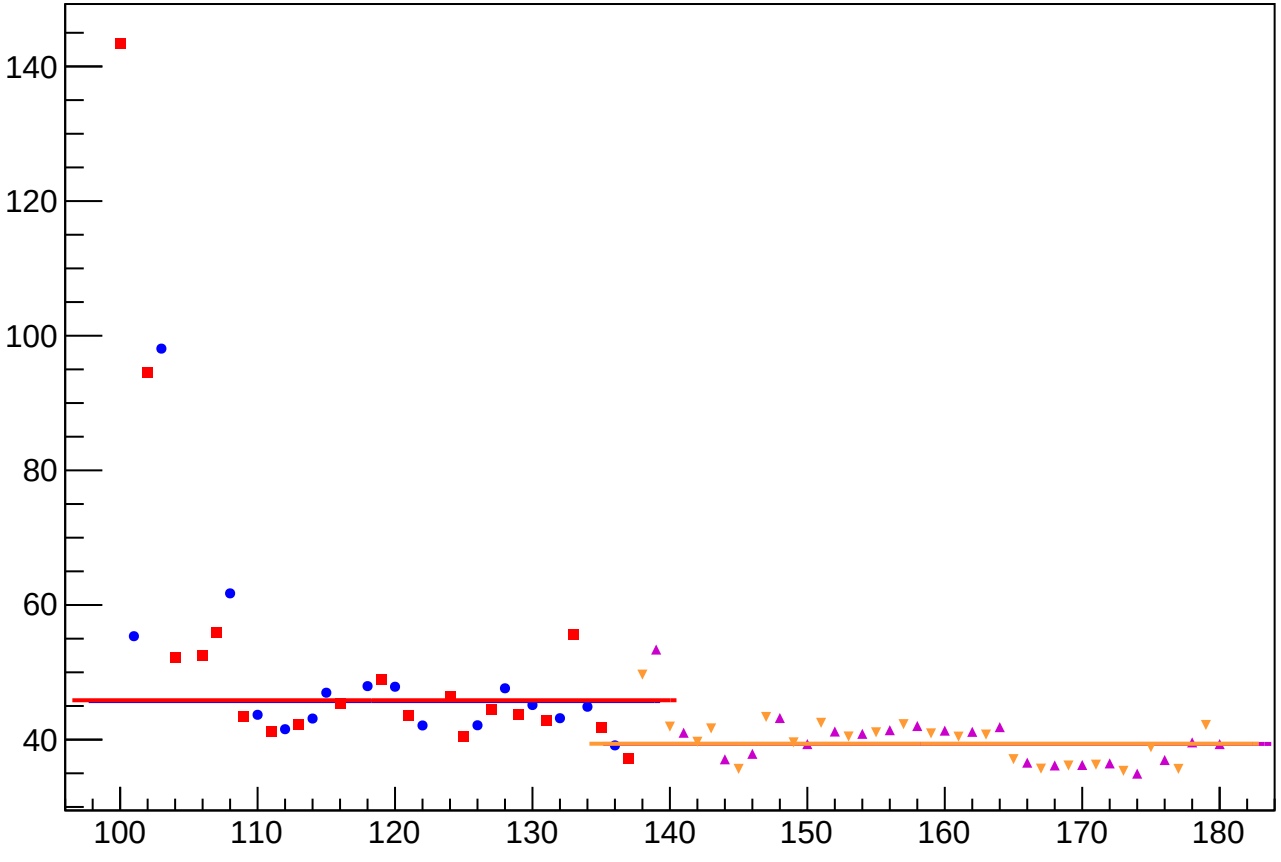
Left In: 27.477+/-9.530 χ^2/NDF:22.0/20

+ sign -21.273+/-8.328 χ^2/NDF: 76.3/37

All: -3.088+/-5.897 χ^2/NDF: 132.8/77

- 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: 39.394+/-0.007 χ^2/NDF:225829.0/21

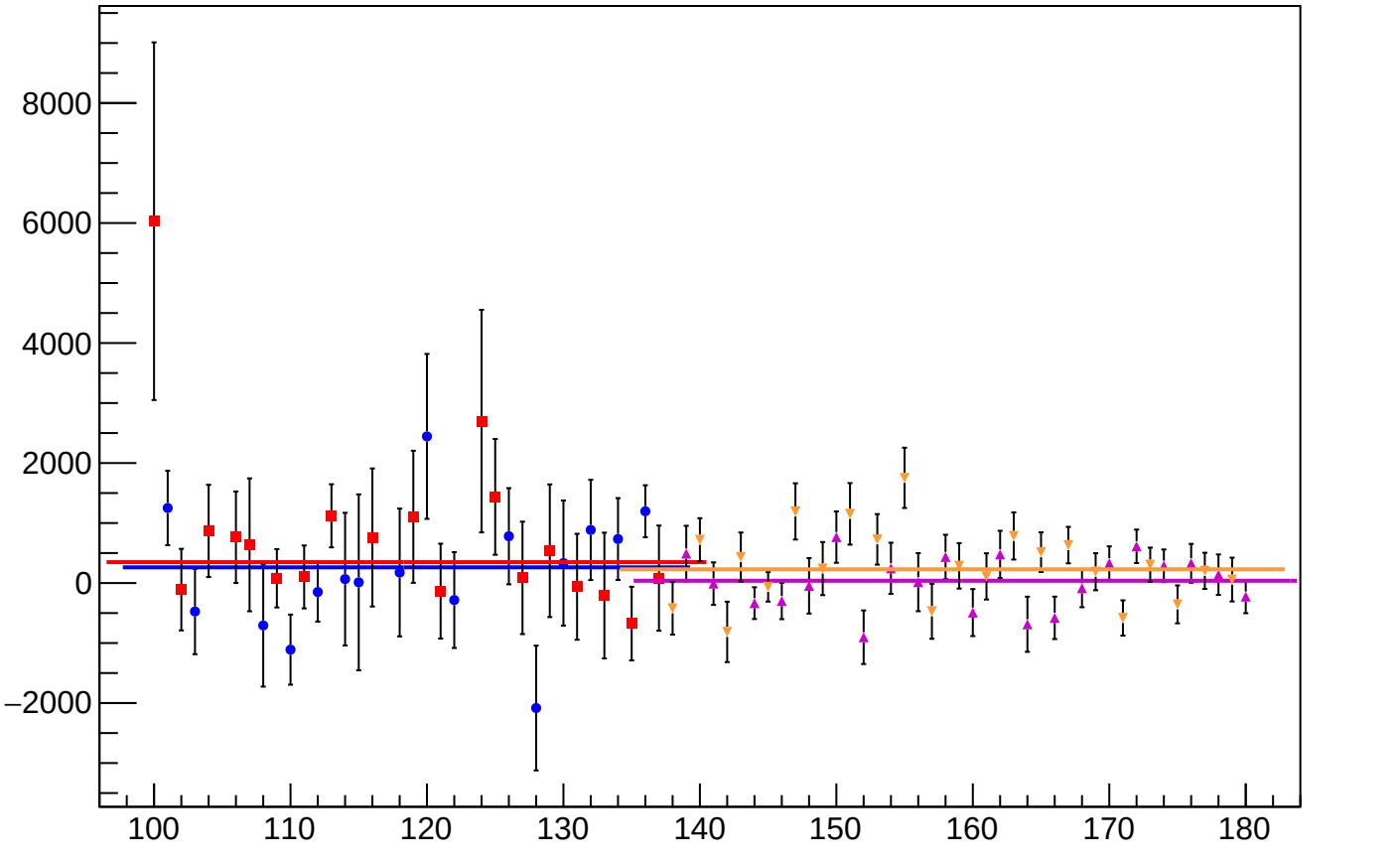
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.362+/-0.007 χ^2/NDF:244827.8/20

+ sign 40.833+/-0.006 χ^2/NDF: 930372.3/37

All: 40.850+/-0.004 χ^2/NDF: 1930450.7/77

- 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: 229.337+/-76.594 χ^2/NDF:46.5/21

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

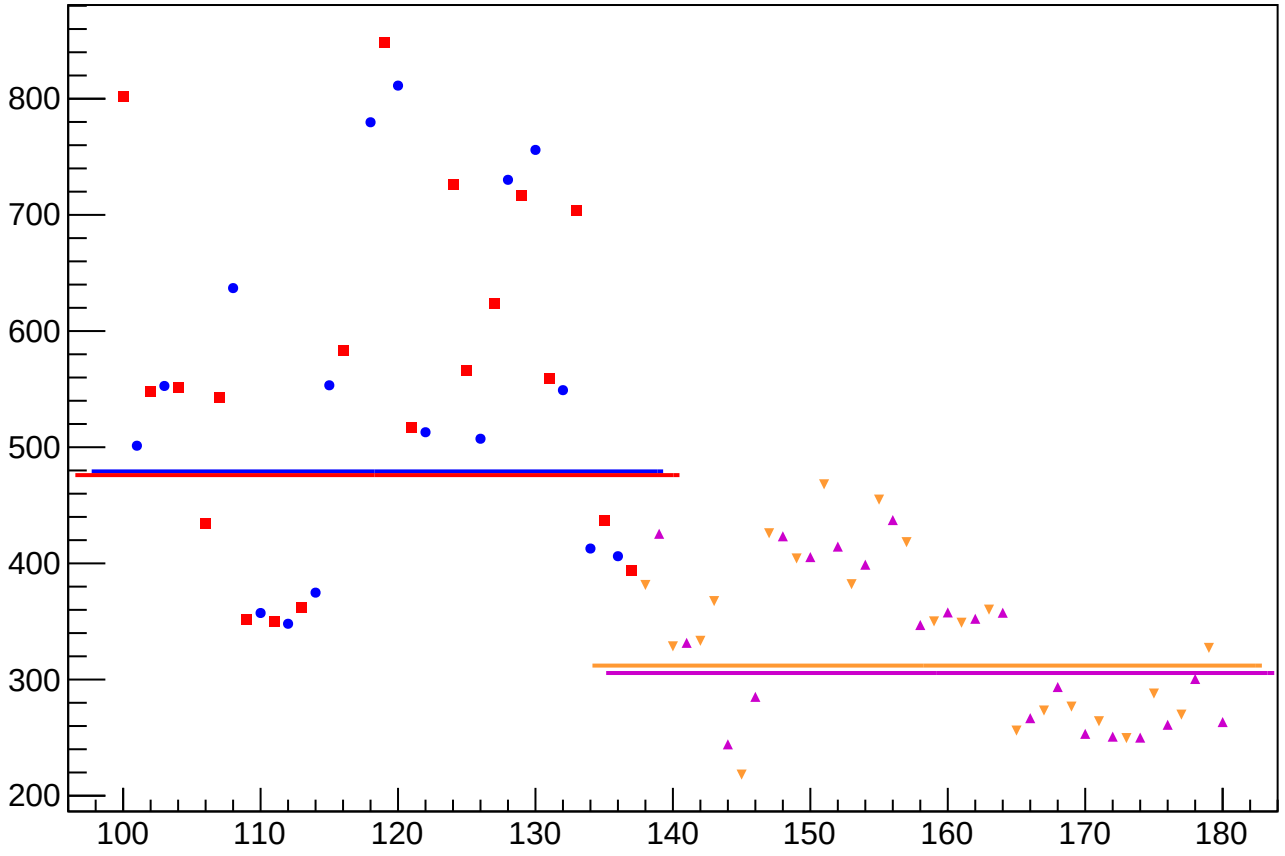
Left In: 37.853+/-75.361 χ^2/NDF:29.7/20

+ sign 234.099+/-70.780 χ^2/NDF: 71.4/37

All: 157.693+/-49.610 χ^2/NDF: 120.9/77

- sign 83.914+/-69.553 χ^2/NDF: 47.1/39

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490103.4/21

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

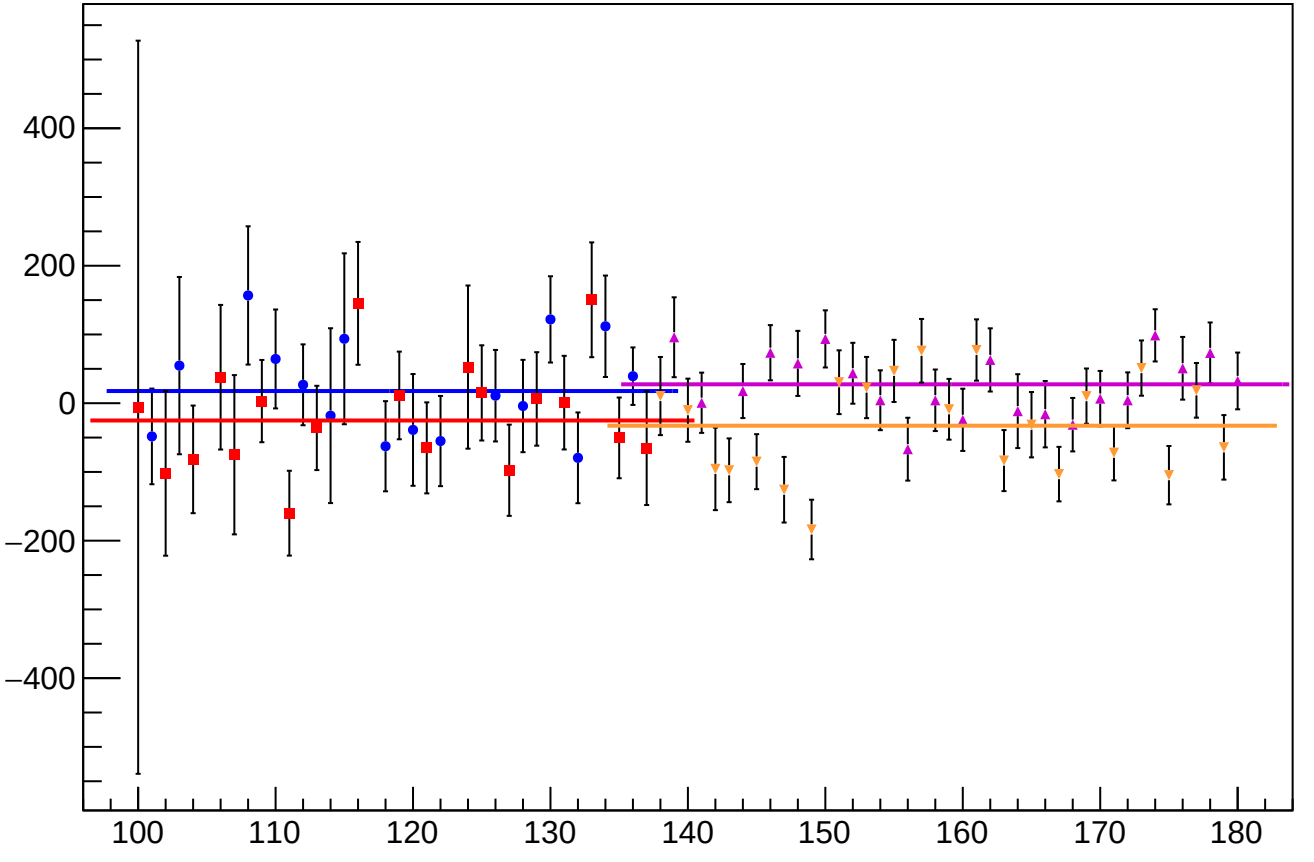
Left In: 305.629+/-0.053 χ^2/NDF:1317501.2/20

+ sign 336.434+/-0.050 χ^2/NDF: 3833958.0/37

All: 333.606+/-0.035 χ^2/NDF: 7678811.3/77

- 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: -32.736+/-9.474 χ^2/NDF:55.9/21

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

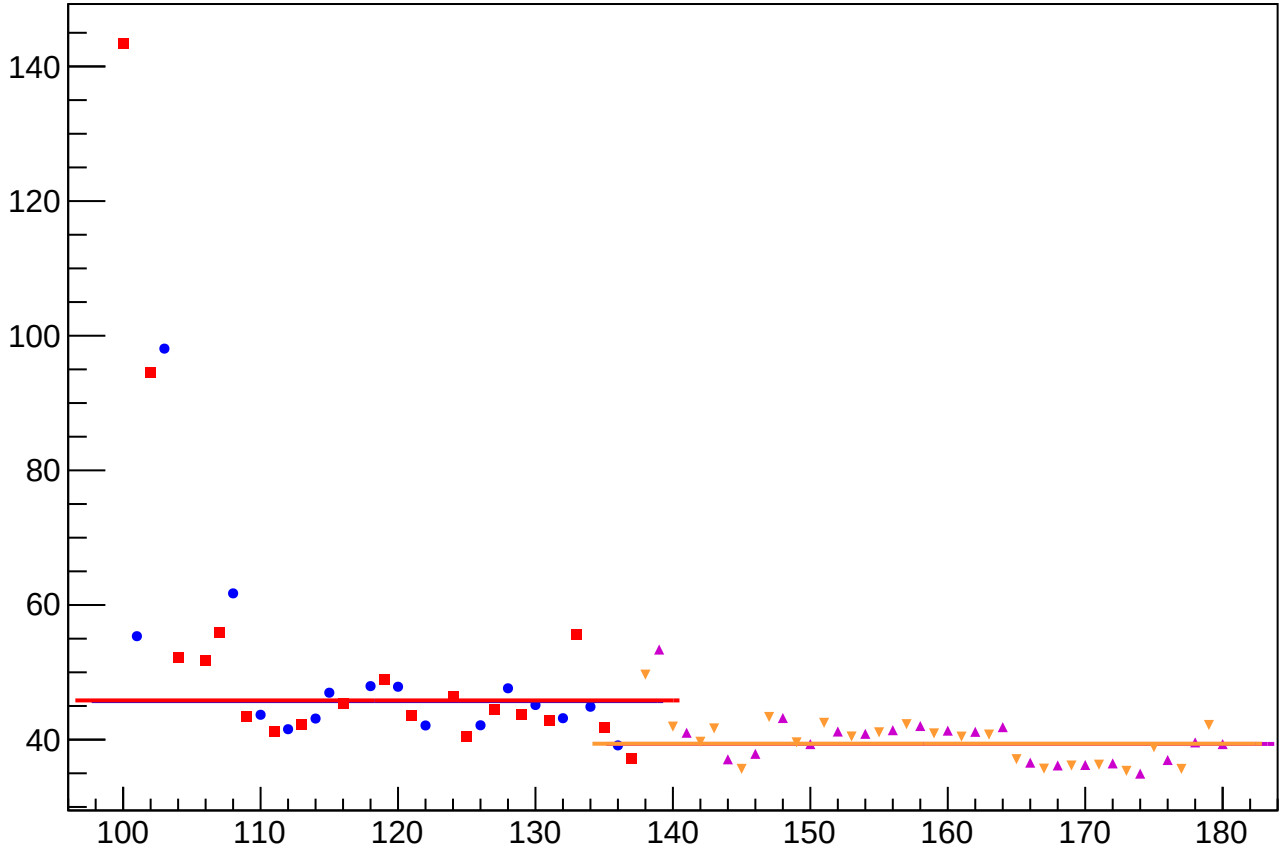
Left In: 27.477+/-9.530 χ^2/NDF:22.0/20

+ sign -21.272+/-8.328 χ^2/NDF: 76.3/37

All: -3.053+/-5.897 χ^2/NDF: 132.9/77

- 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: 39.394+/-0.007 χ^2/NDF:225829.0/21

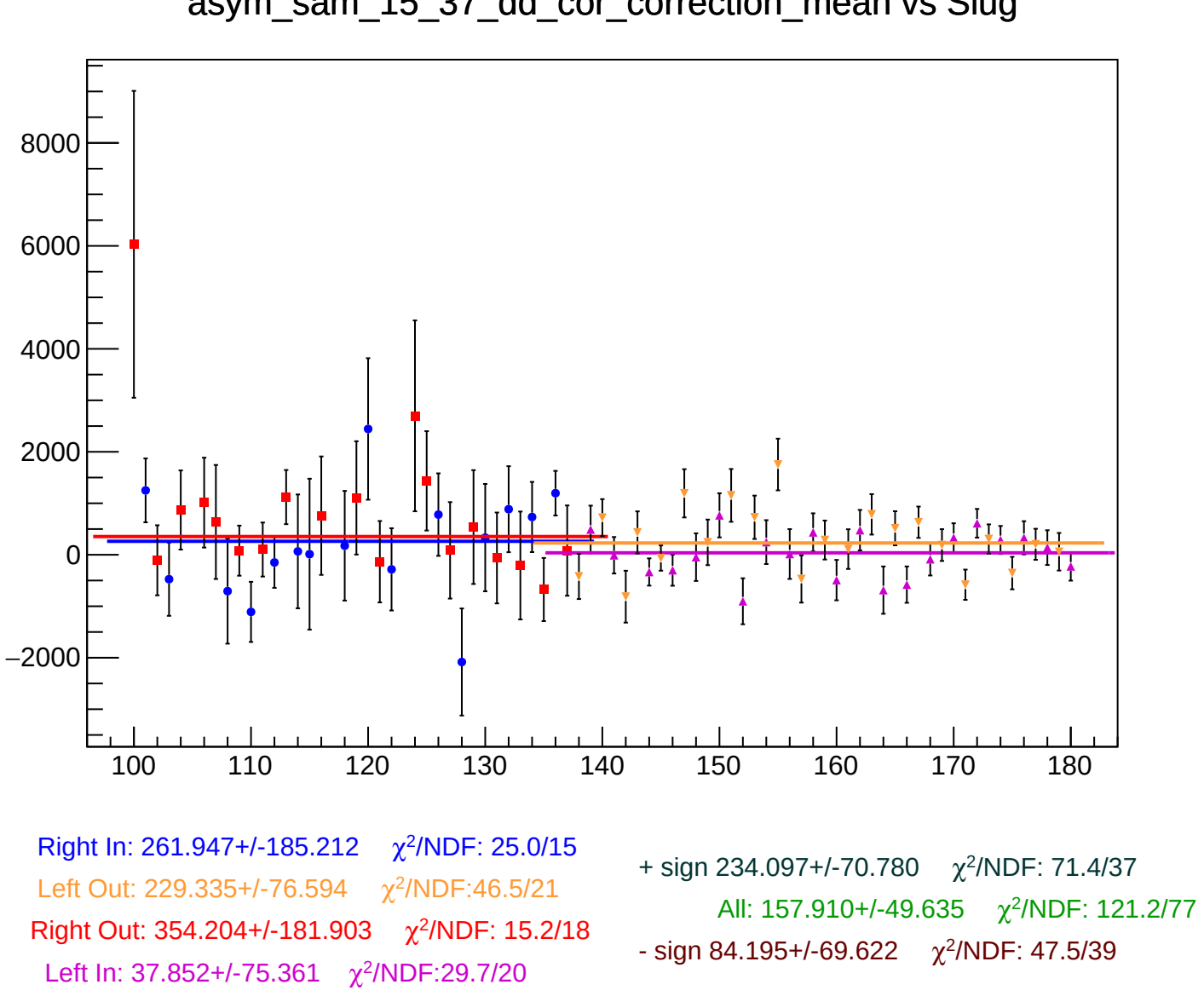
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.362+/-0.007 χ^2/NDF:244827.8/20

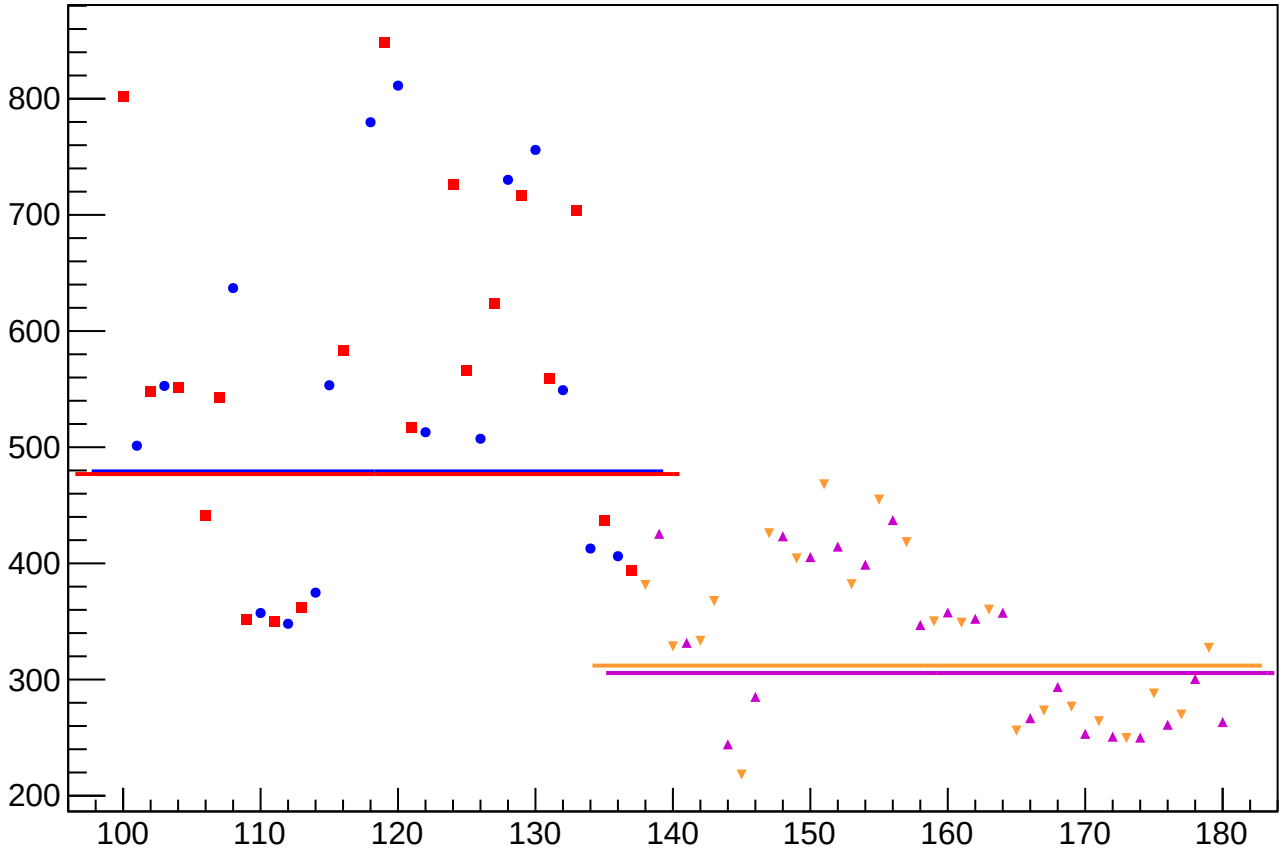
+ sign 40.833+/-0.006 χ^2/NDF: 930375.3/37

All: 40.847+/-0.004 χ^2/NDF: 1927140.2/77

- sign 40.861+/-0.006 χ^2/NDF: 996753.5/39


asym_sam_15_37_dd_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: 229.335+/-76.594 χ²/NDF:46.5/21
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 37.852+/-75.361 χ²/NDF:29.7/20
+ sign 234.097+/-70.780 χ²/NDF: 71.4/37
All: 157.910+/-49.635 χ²/NDF: 121.2/77
- sign 84.195+/-69.622 χ²/NDF: 47.5/39

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490100.9/21

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

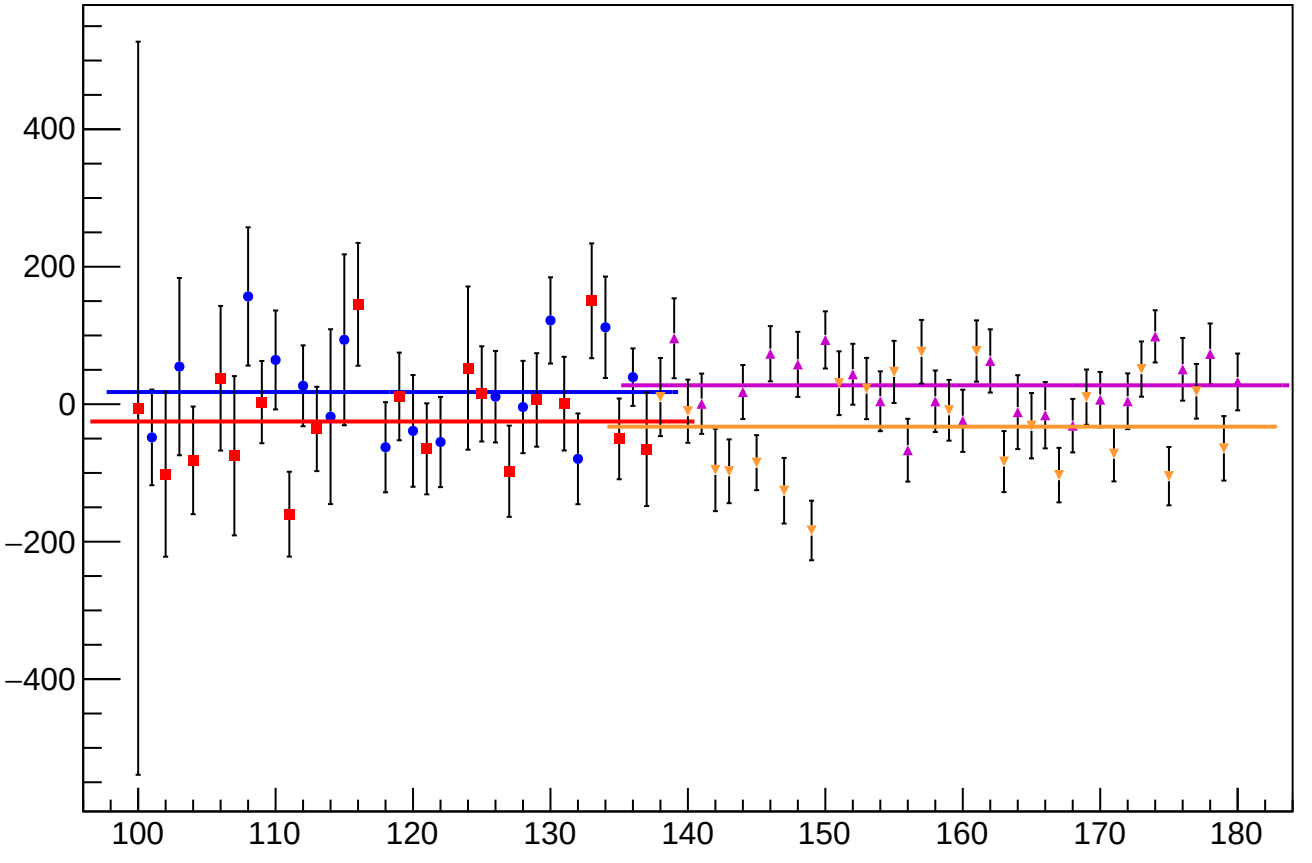
Left In: 305.629+/-0.053 χ^2/NDF:1317510.8/20

\+ sign 336.434+/-0.050 χ^2/NDF: 3834007.5/37

All: 333.529+/-0.035 χ^2/NDF: 7675092.0/77

\- 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: -32.736+/-9.474 χ^2/NDF:55.9/21

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

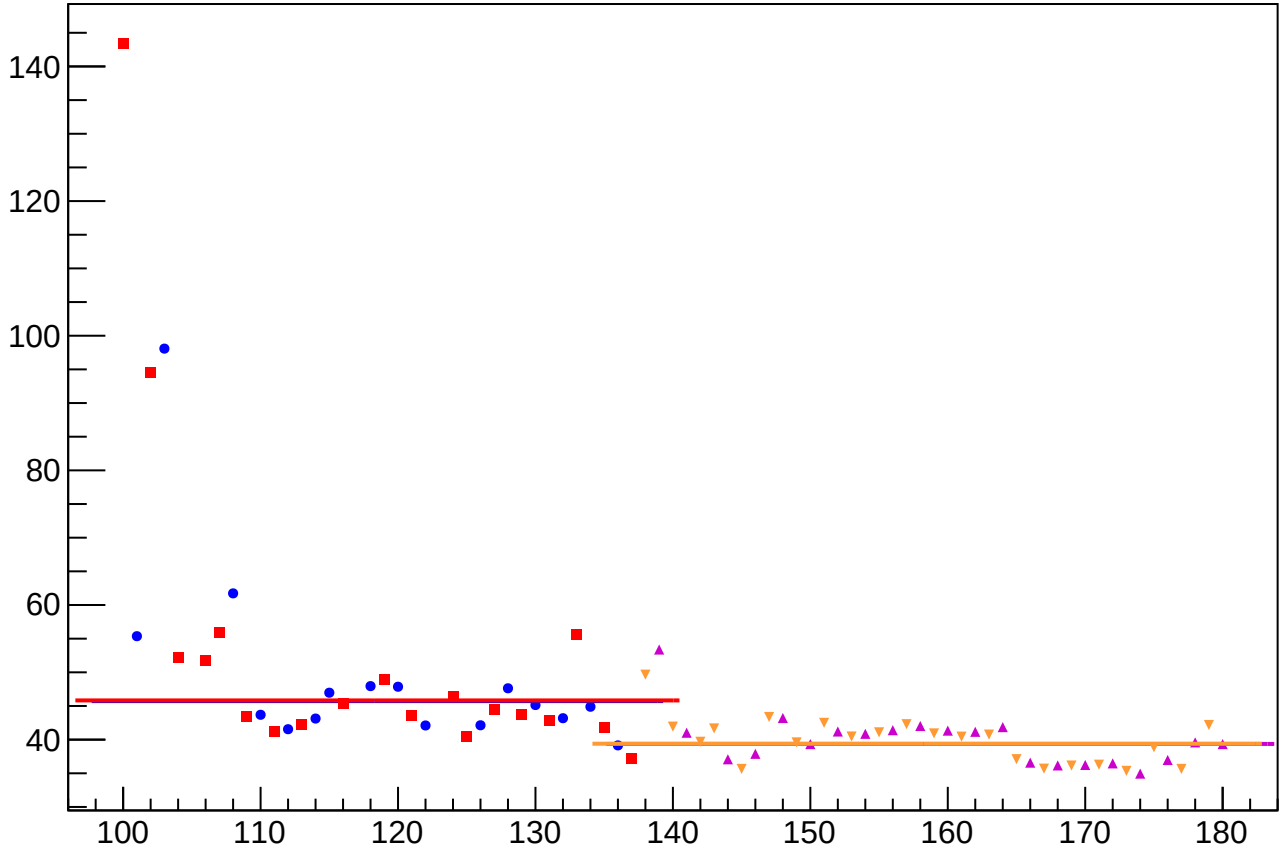
Left In: 27.477+/-9.530 χ^2/NDF:22.0/20

+ sign -21.272+/-8.328 χ^2/NDF: 76.3/37

All: -3.053+/-5.897 χ^2/NDF: 132.9/77

- 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: 39.394+/-0.007 χ^2/NDF:225829.0/21

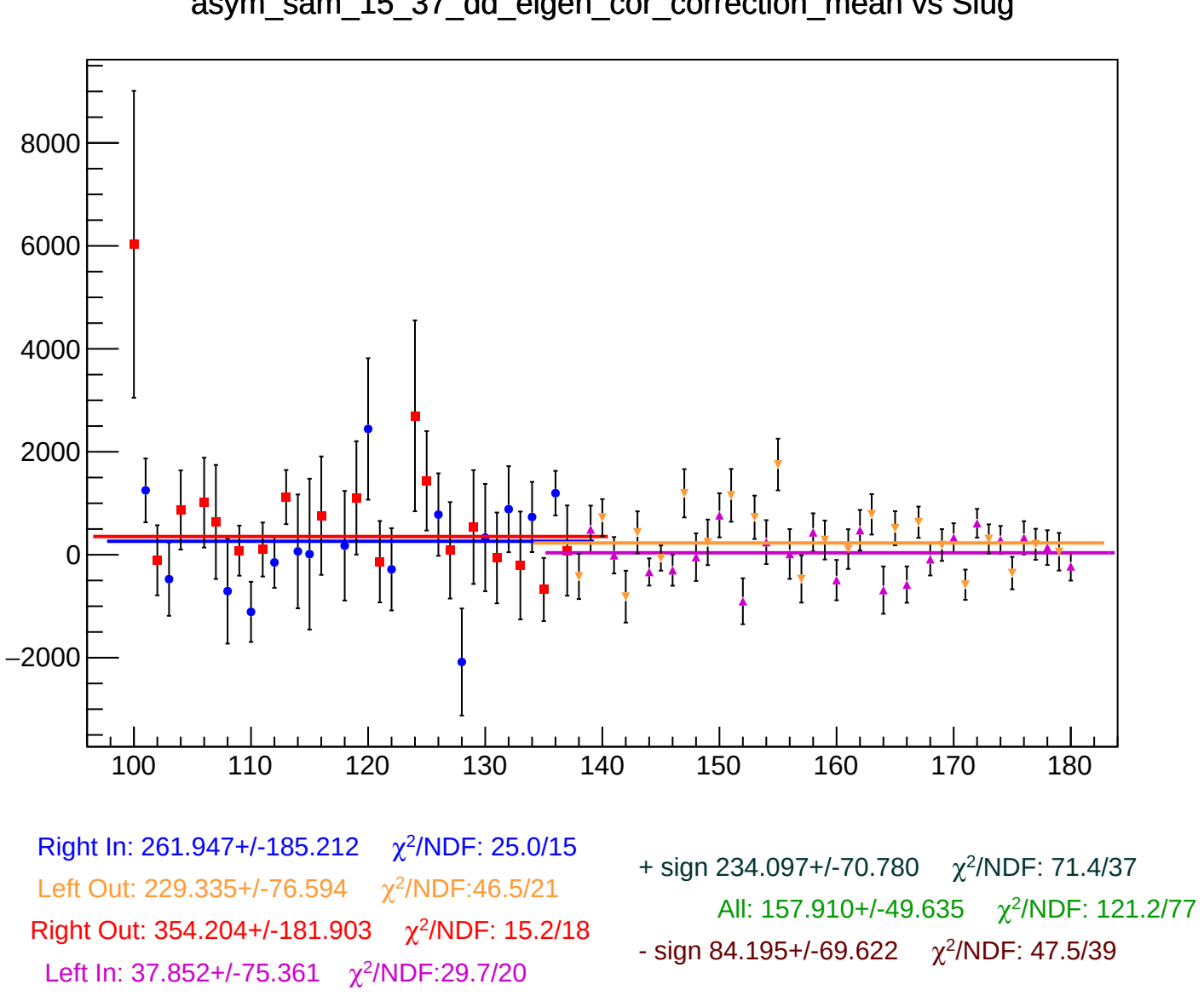
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

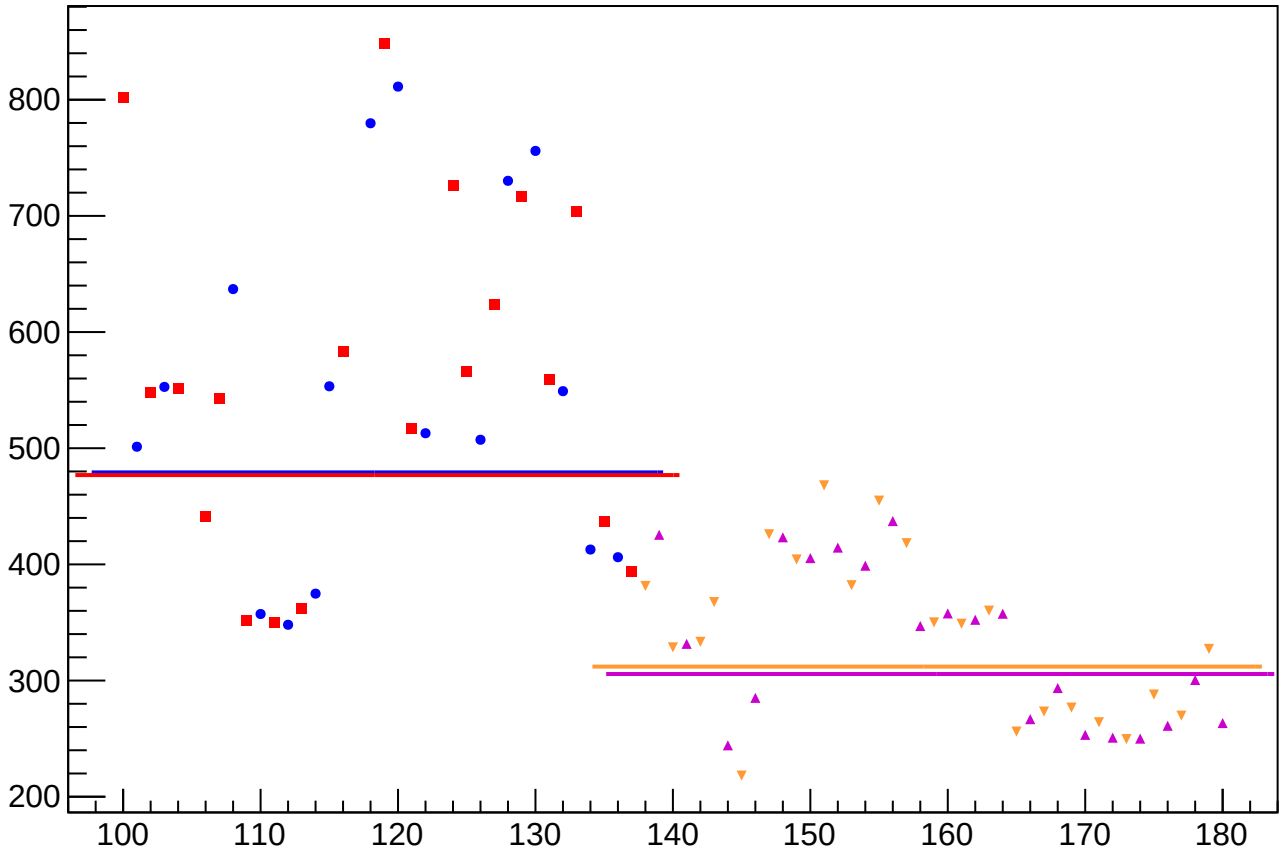
Left In: 39.362+/-0.007 χ^2/NDF:244827.8/20

+ sign 40.833+/-0.006 χ^2/NDF: 930375.3/37

All: 40.847+/-0.004 χ^2/NDF: 1927140.2/77

- 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: 229.335+/-76.594 χ²/NDF:46.5/21
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 37.852+/-75.361 χ²/NDF:29.7/20
+ sign 234.097+/-70.780 χ²/NDF: 71.4/37
All: 157.910+/-49.635 χ²/NDF: 121.2/77
- sign 84.195+/-69.622 χ²/NDF: 47.5/39



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490100.9/21

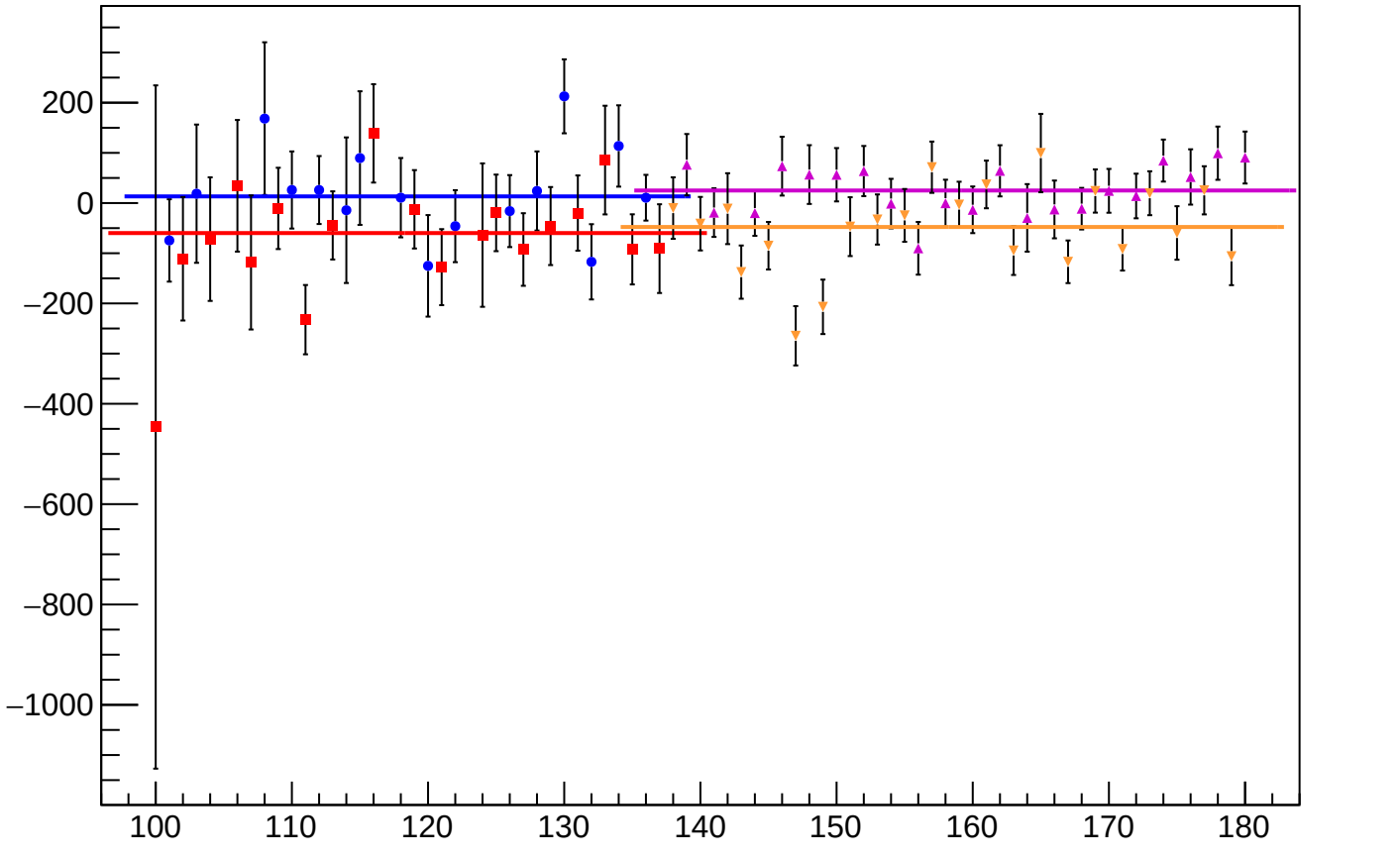
Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 305.629+/-0.053 χ^2/NDF:1317510.8/20

+ sign 336.434+/-0.050 χ^2/NDF: 3834007.5/37

All: 333.529+/-0.035 χ^2/NDF: 7675092.0/77

- sign 330.718+/-0.049 χ^2/NDF: 3834455.7/39



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.722+/-10.886 χ^2/NDF:52.8/21

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

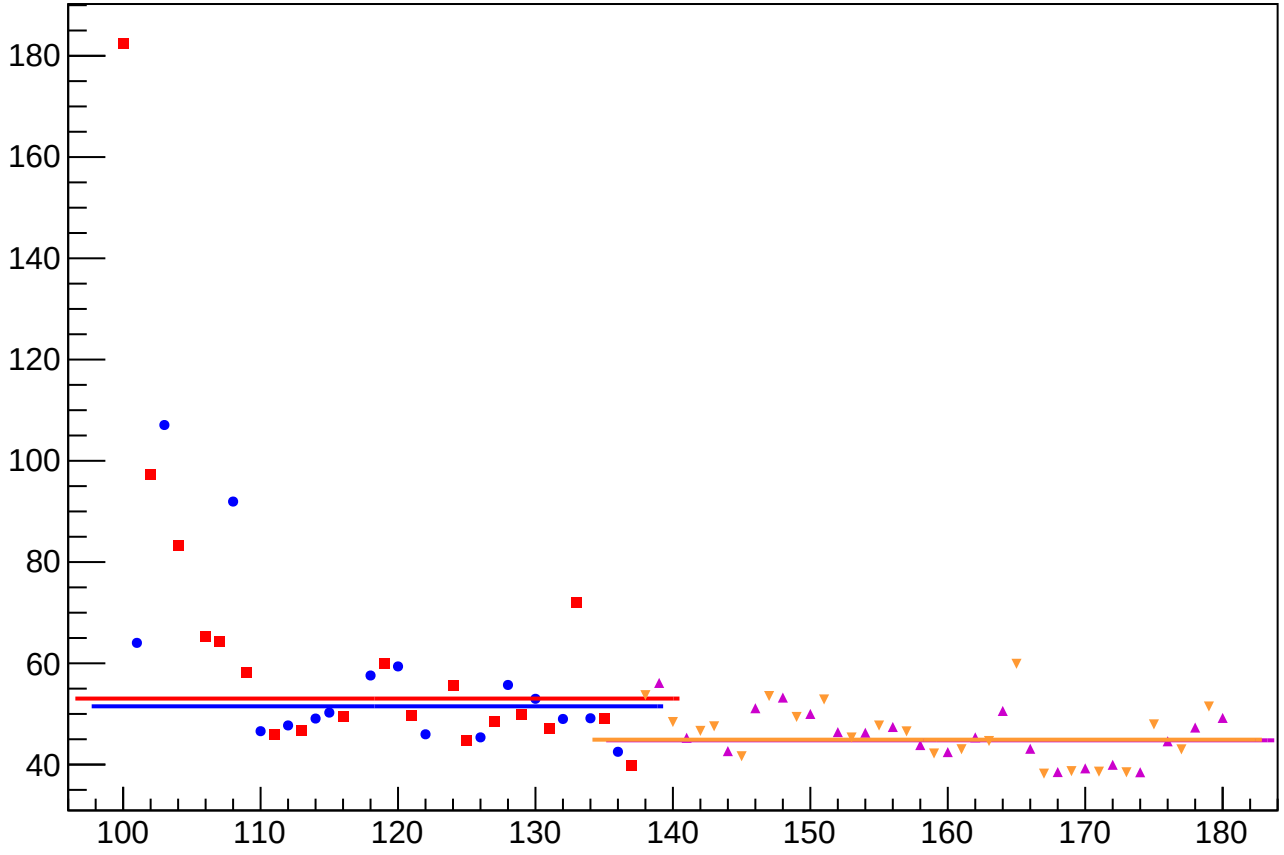
Left In: 25.012+/-10.940 χ^2/NDF:18.9/20

\+ sign -33.620+/-9.545 χ^2/NDF: 77.3/37

All: -14.059+/-6.777 χ^2/NDF: 134.3/77

\- 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: 44.918+/-0.008 χ^2/NDF:464155.1/21

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

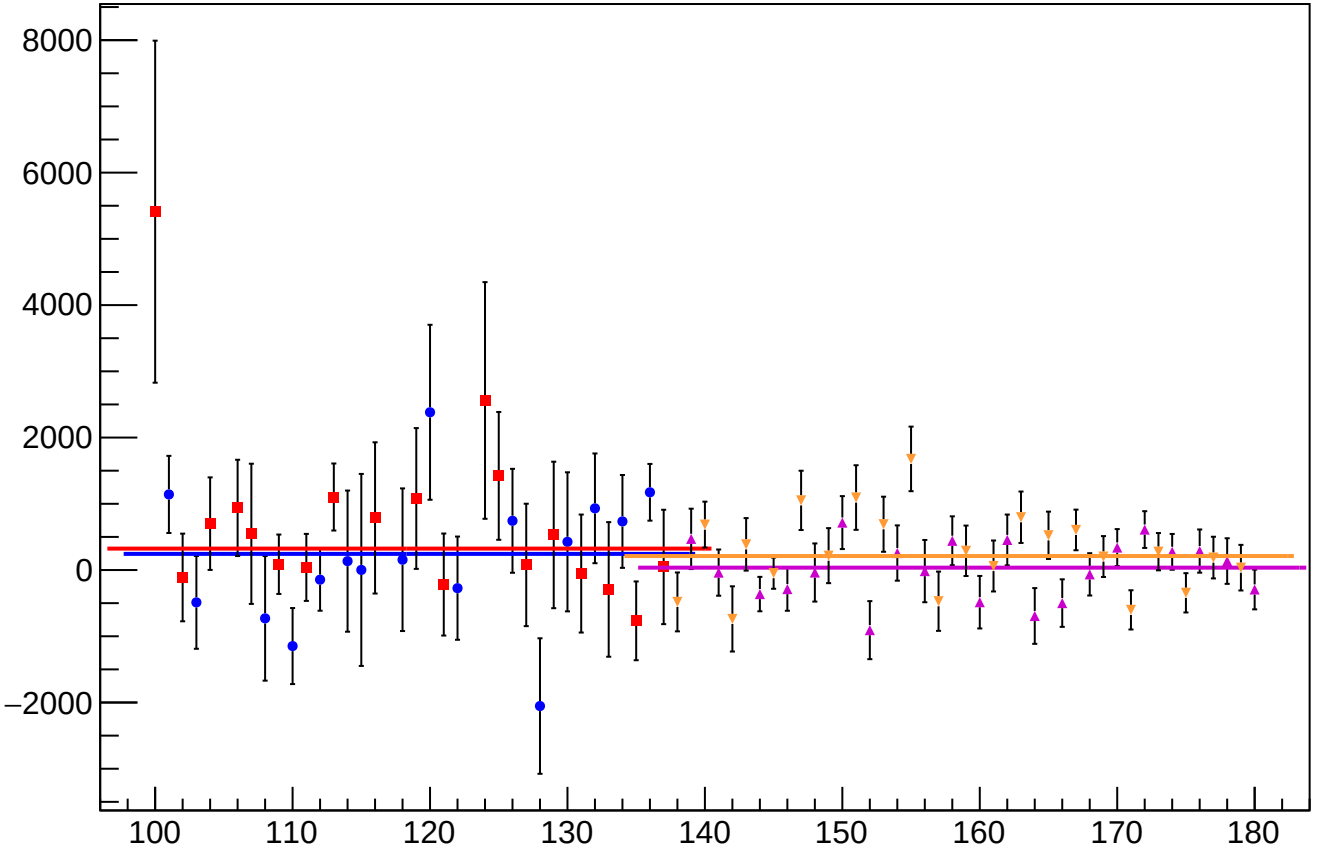
Left In: 44.788+/-0.008 χ^2/NDF:355309.9/20

+ sign 46.441+/-0.007 χ^2/NDF: 1300588.6/37

All: 46.547+/-0.005 χ^2/NDF: 2626531.6/77

- 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: 211.351+/-75.589 χ^2/NDF:45.2/21

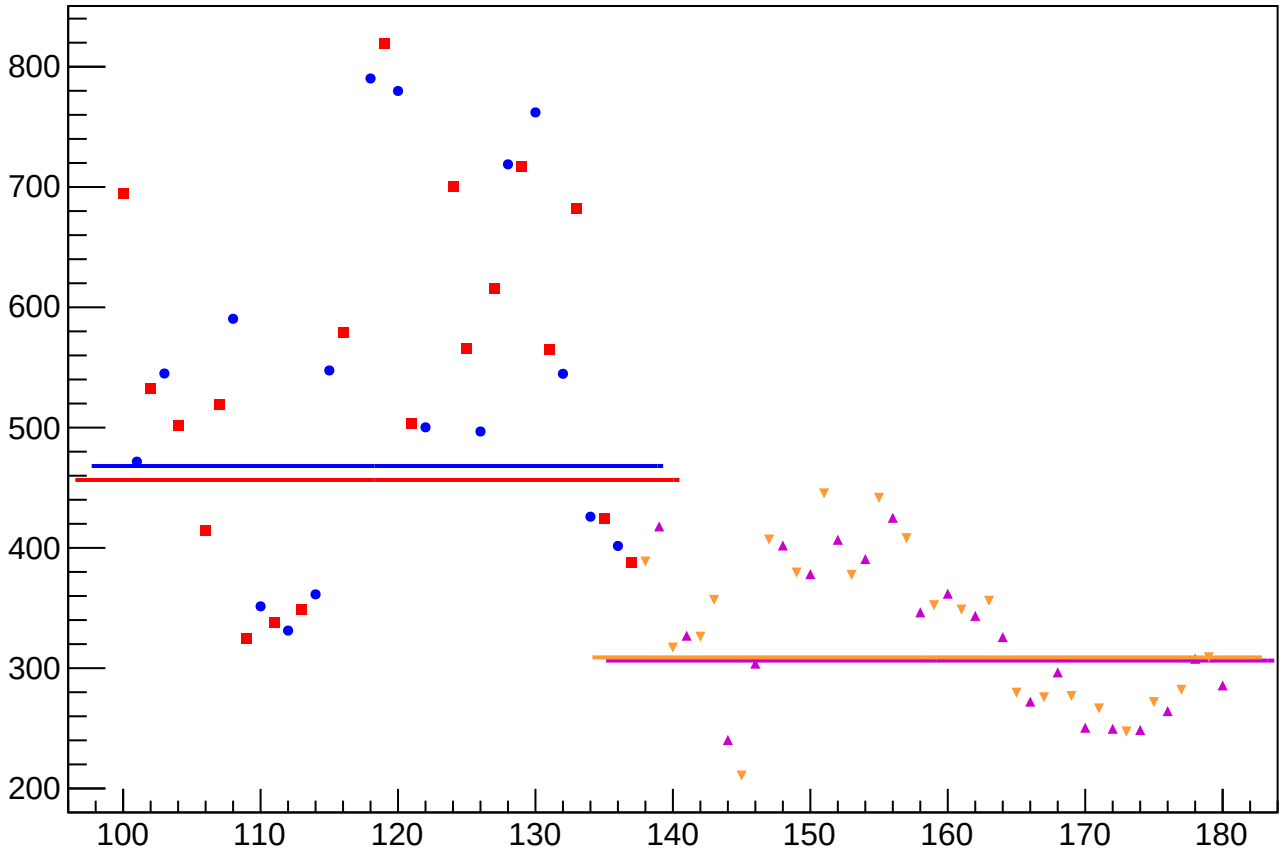
Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 35.811+/-75.316 χ^2/NDF:29.7/20

+ sign 216.180+/-69.744 χ^2/NDF: 70.8/37

All: 148.155+/-49.085 χ^2/NDF: 121.2/77

- sign 81.389+/-69.095 χ^2/NDF: 48.5/39



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 308.977+/-0.053 χ^2/NDF:1372525.3/21

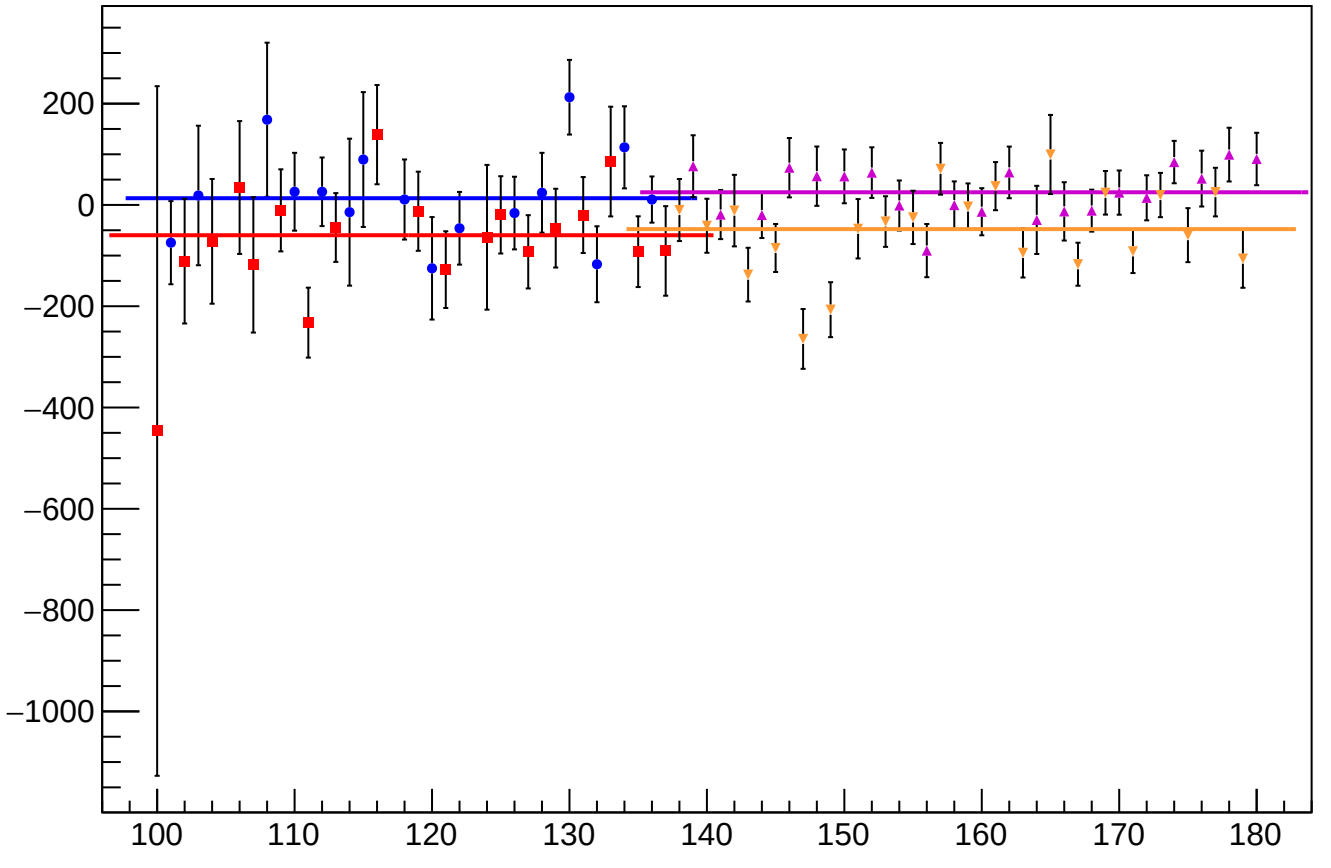
Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 306.298+/-0.053 χ^2/NDF:1133539.9/20

\+ sign 332.631+/-0.049 χ^2/NDF: 3672647.7/37

All: 331.343+/-0.035 χ^2/NDF: 7149222.5/77

\- sign 330.079+/-0.049 χ^2/NDF: 3475222.7/39



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.723+/-10.886 χ^2/NDF:52.8/21

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

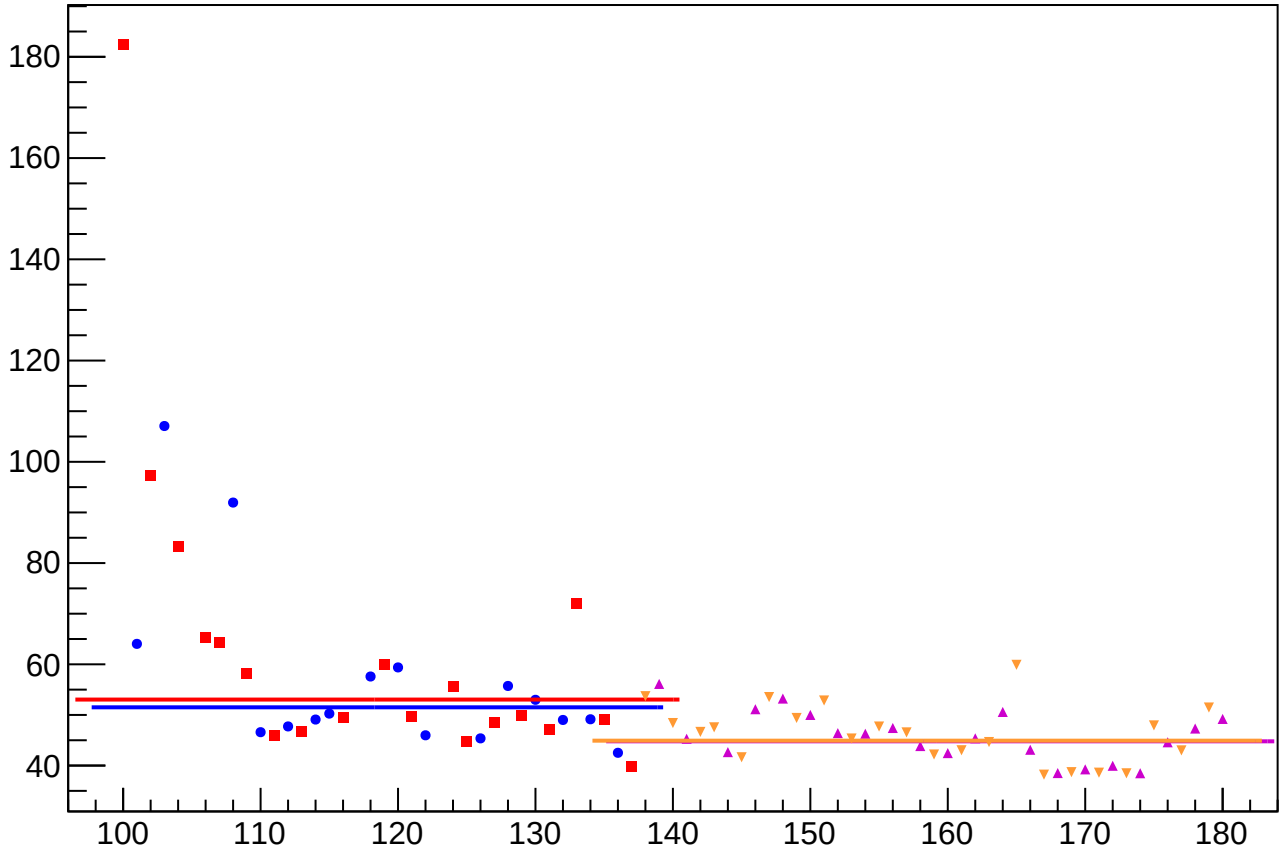
Left In: 25.012+/-10.940 χ^2/NDF:18.9/20

\+ sign -33.620+/-9.545 χ^2/NDF: 77.3/37

All: -14.059+/-6.777 χ^2/NDF: 134.3/77

\- sign 5.825+/-9.623 χ^2/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: 44.918+/-0.008 χ^2/NDF:464156.0/21

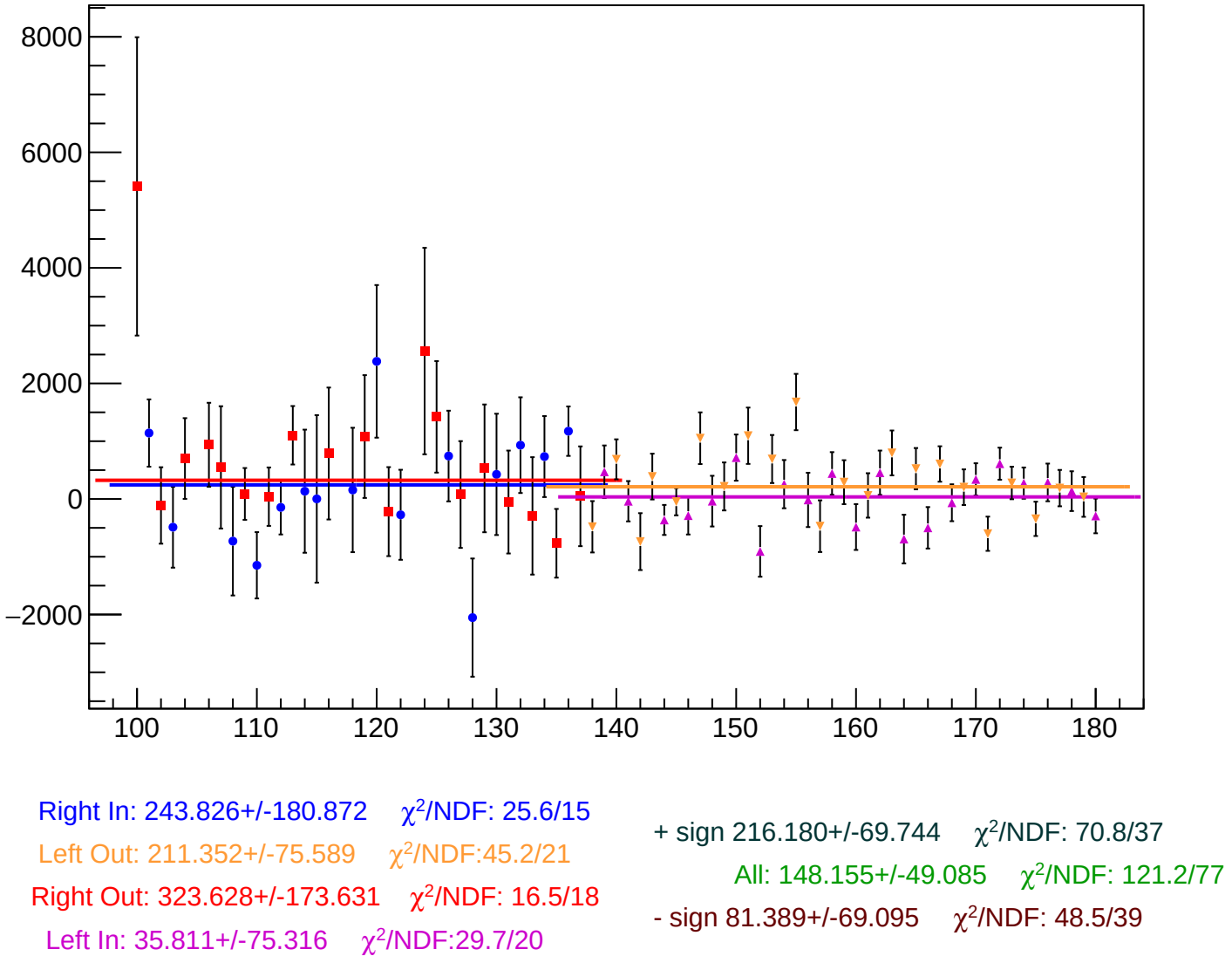
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

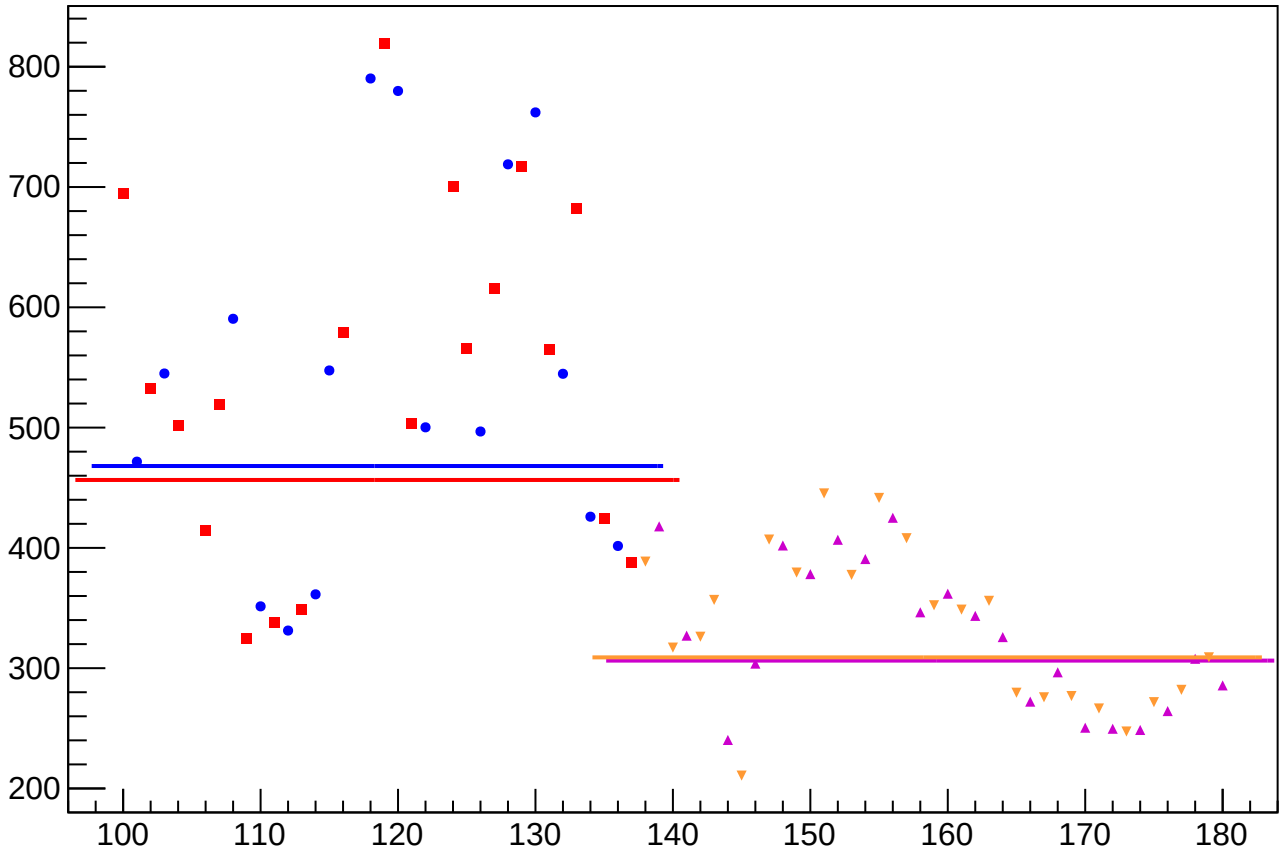
Left In: 44.788+/-0.008 χ^2/NDF:355311.8/20

+ sign 46.441+/-0.007 χ^2/NDF: 1300595.1/37

All: 46.547+/-0.005 χ^2/NDF: 2626549.7/77

- sign 46.654+/-0.007 χ^2/NDF: 1325459.3/39


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 243.826+/-180.872 χ²/NDF: 25.6/15
Left Out: 211.352+/-75.589 χ²/NDF:45.2/21
Right Out: 323.628+/-173.631 χ²/NDF: 16.5/18
Left In: 35.811+/-75.316 χ²/NDF:29.7/20
+ sign 216.180+/-69.744 χ²/NDF: 70.8/37
All: 148.155+/-49.085 χ²/NDF: 121.2/77
- sign 81.389+/-69.095 χ²/NDF: 48.5/39



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 308.978+/-0.053 χ^2/NDF:1372522.2/21

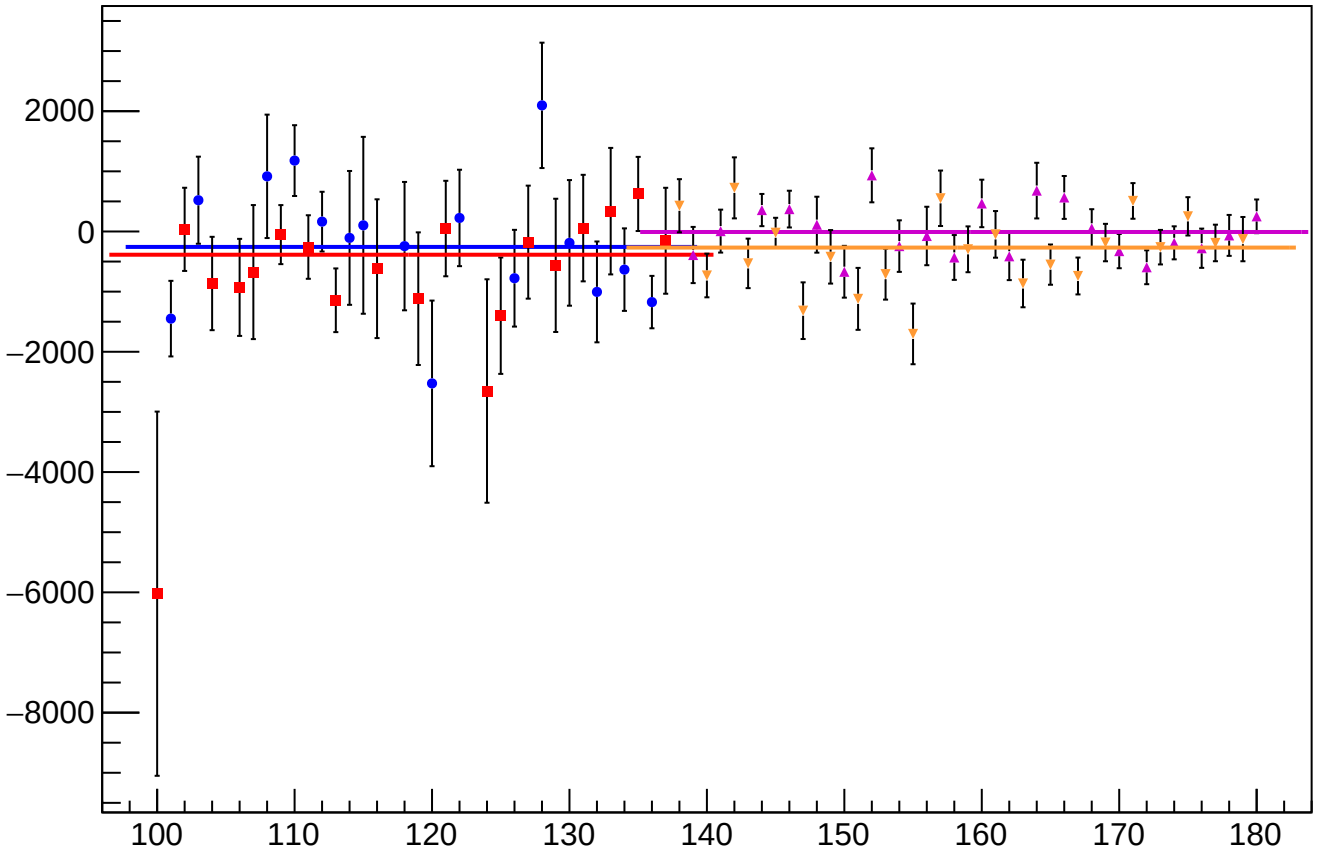
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 306.299+/-0.053 χ^2/NDF:1133532.5/20

+ sign 332.632+/-0.049 χ^2/NDF: 3672630.2/37

All: 331.343+/-0.035 χ^2/NDF: 7149176.9/77

- 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: -267.701+/-77.238 χ^2/NDF:45.0/21

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

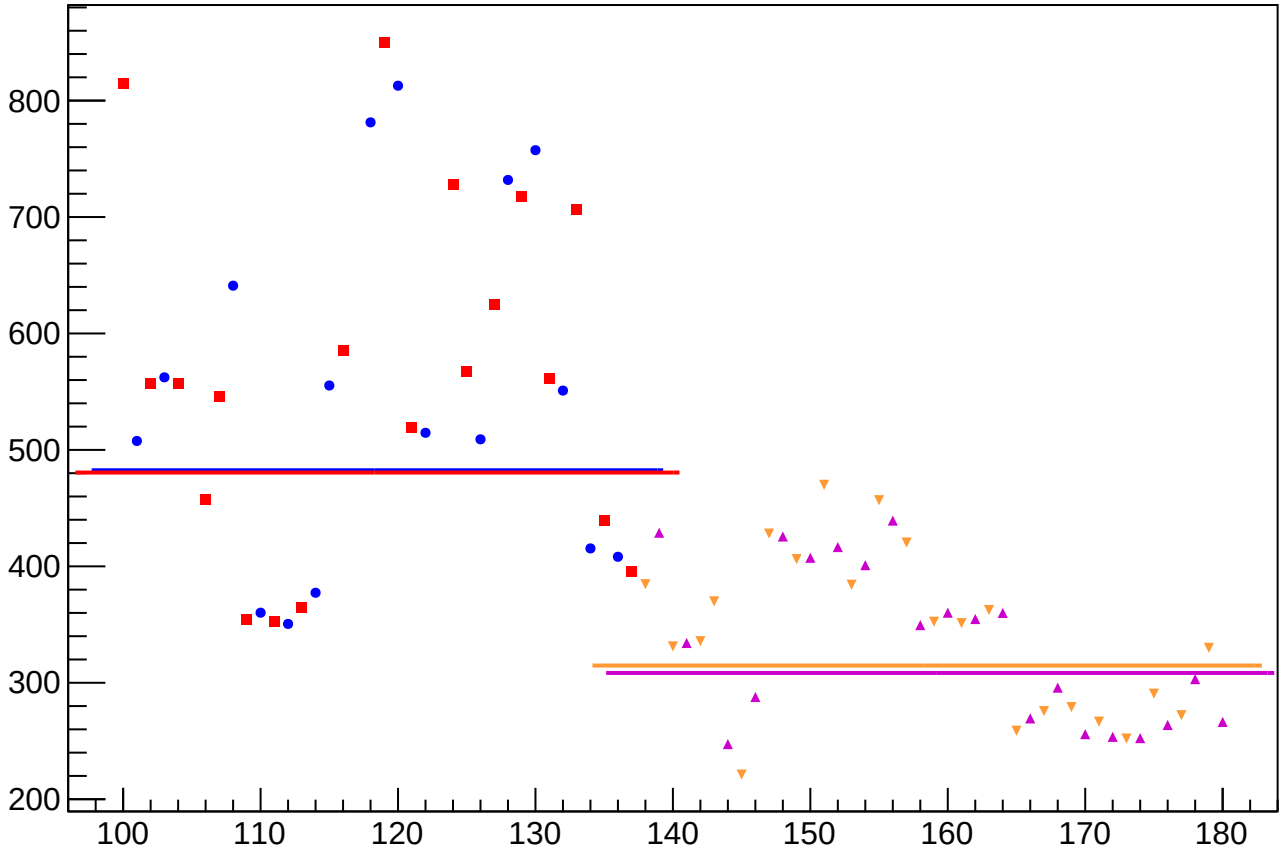
Left In: -8.497+/-76.020 χ^2/NDF:27.4/20

+ sign -266.097+/-71.358 χ^2/NDF: 71.9/37

All: -163.579+/-50.032 χ^2/NDF: 121.3/77

- 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: 314.803+/-0.055 χ^2/NDF:1459783.9/21

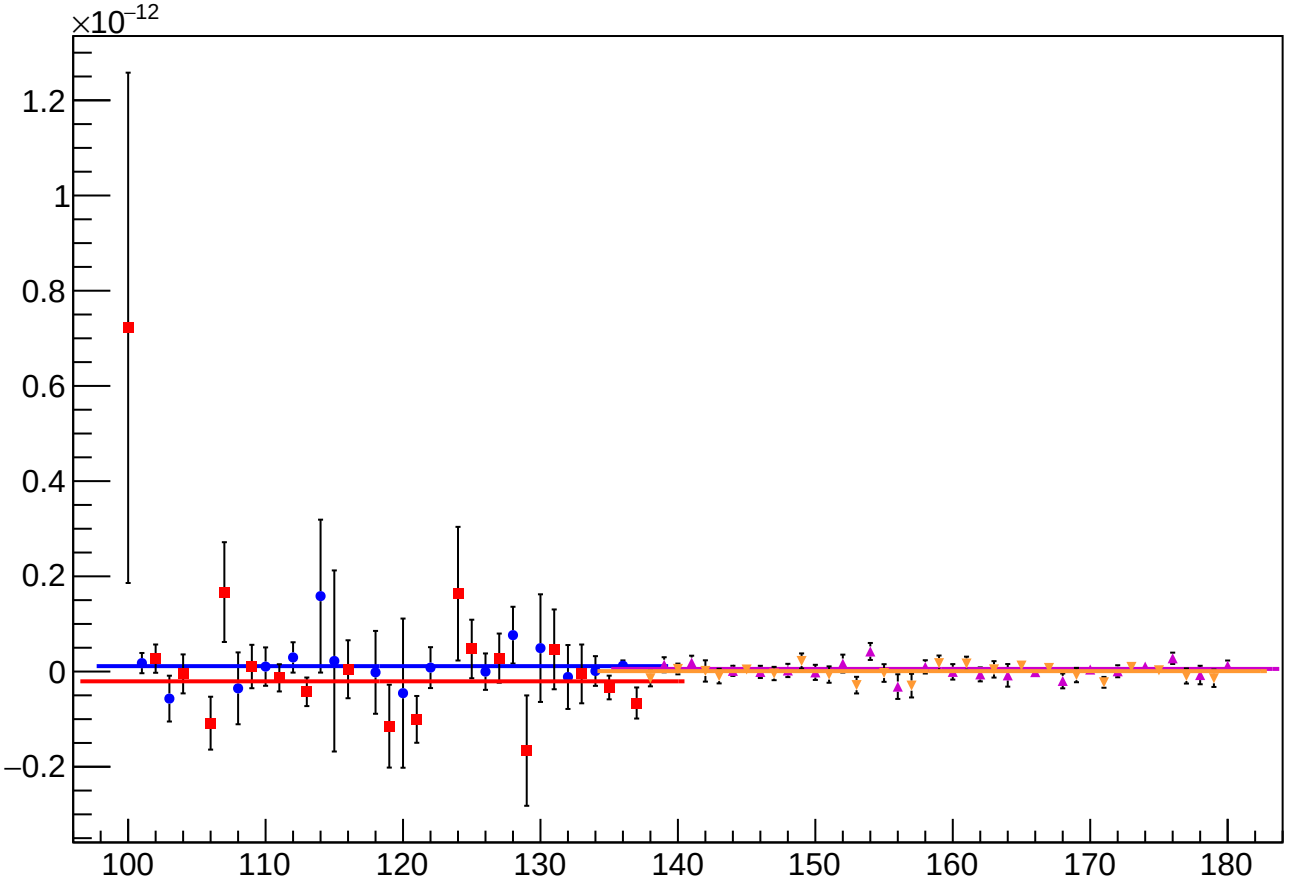
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 308.451+/-0.054 χ^2/NDF:1291161.4/20

\+ sign 339.365+/-0.050 χ^2/NDF: 3787296.3/37

All: 336.602+/-0.035 χ^2/NDF: 7595815.2/77

\- 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:18.5/21

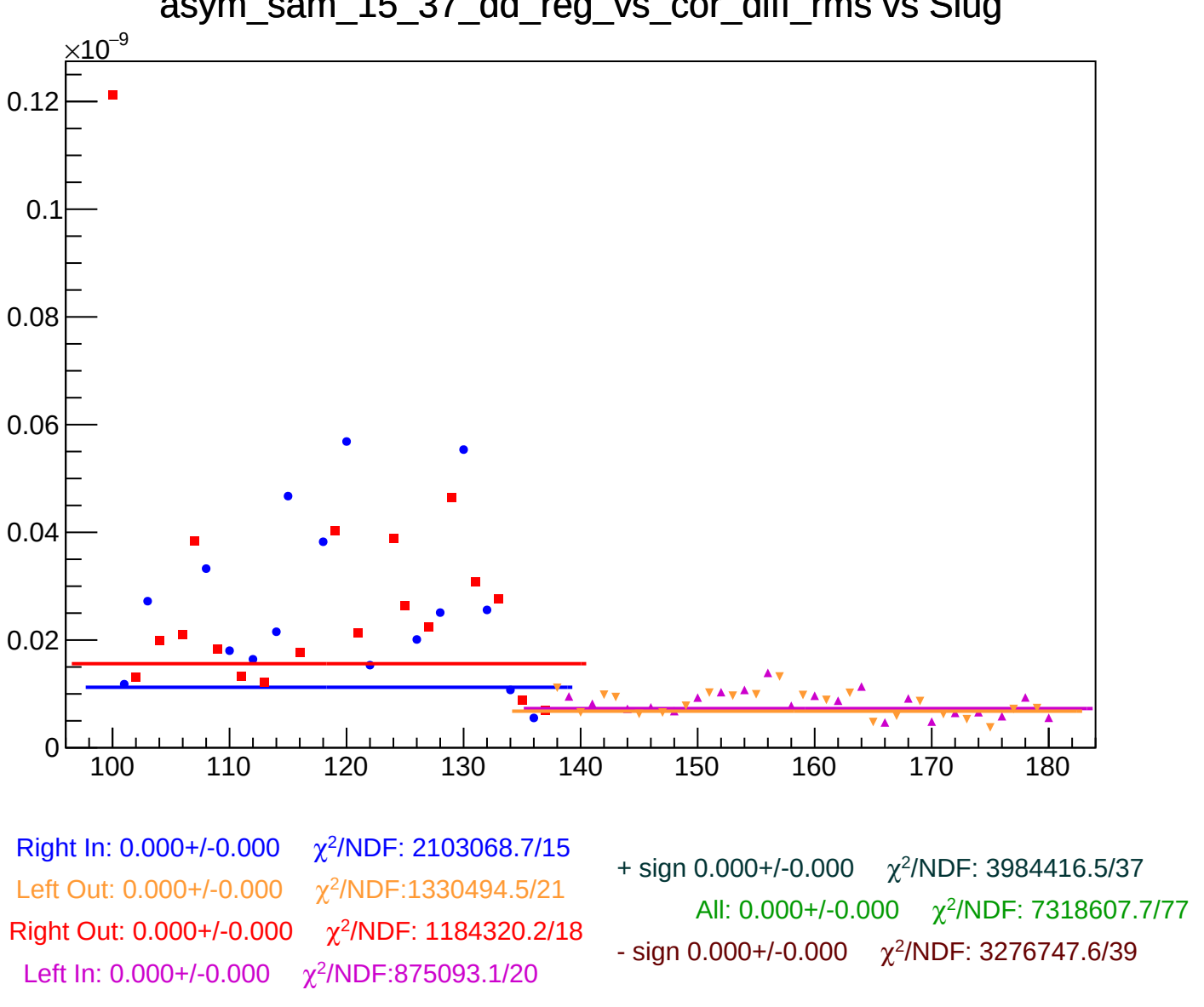
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

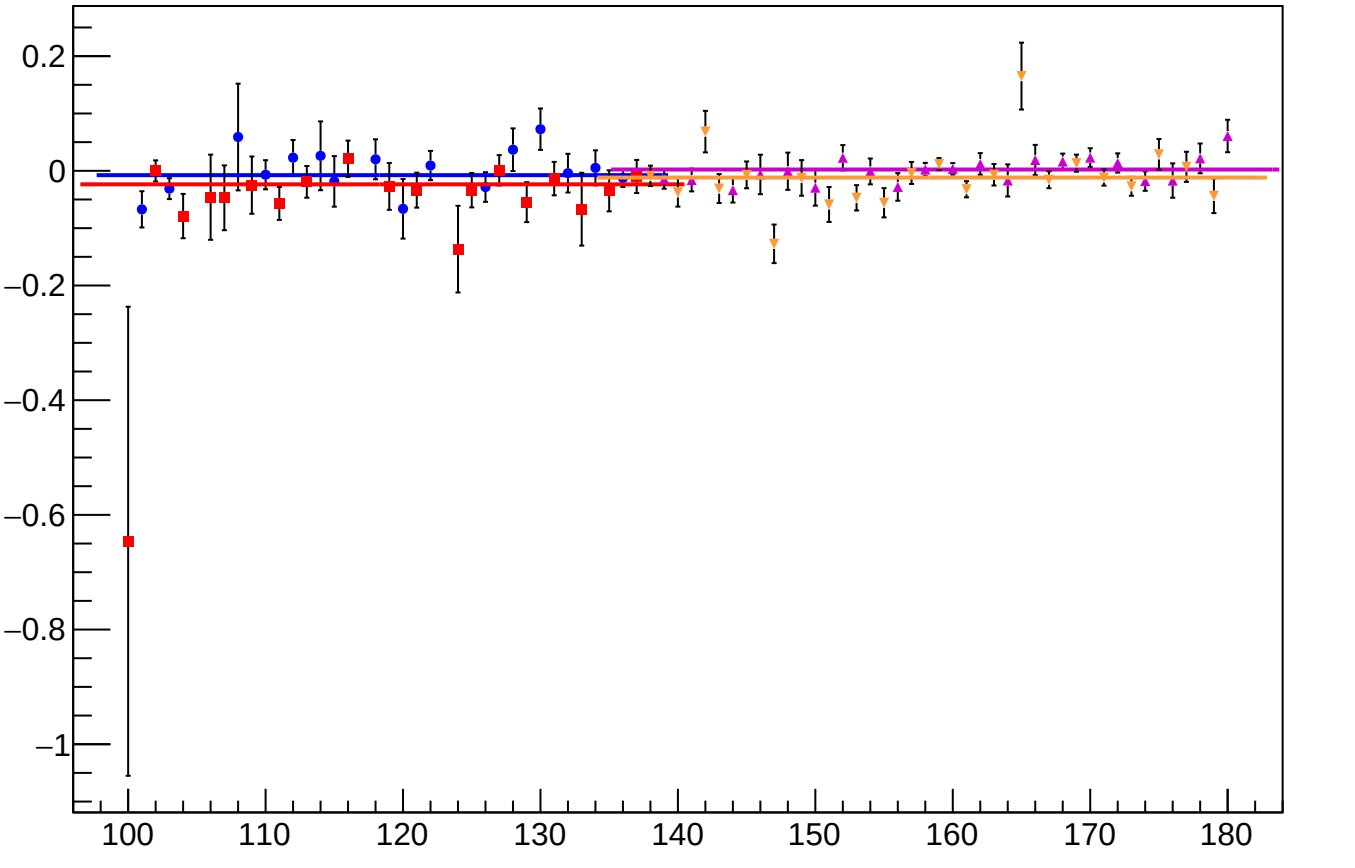
Left In: 0.000+/-0.000 χ^2/NDF:17.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/37

All: 0.000+/-0.000 χ^2/NDF: 72.6/77

- 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:1330494.5/21
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: 3984416.5/37
All: 0.000+/-0.000 χ²/NDF: 7318607.7/77
- sign 0.000+/-0.000 χ²/NDF: 3276747.6/39



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

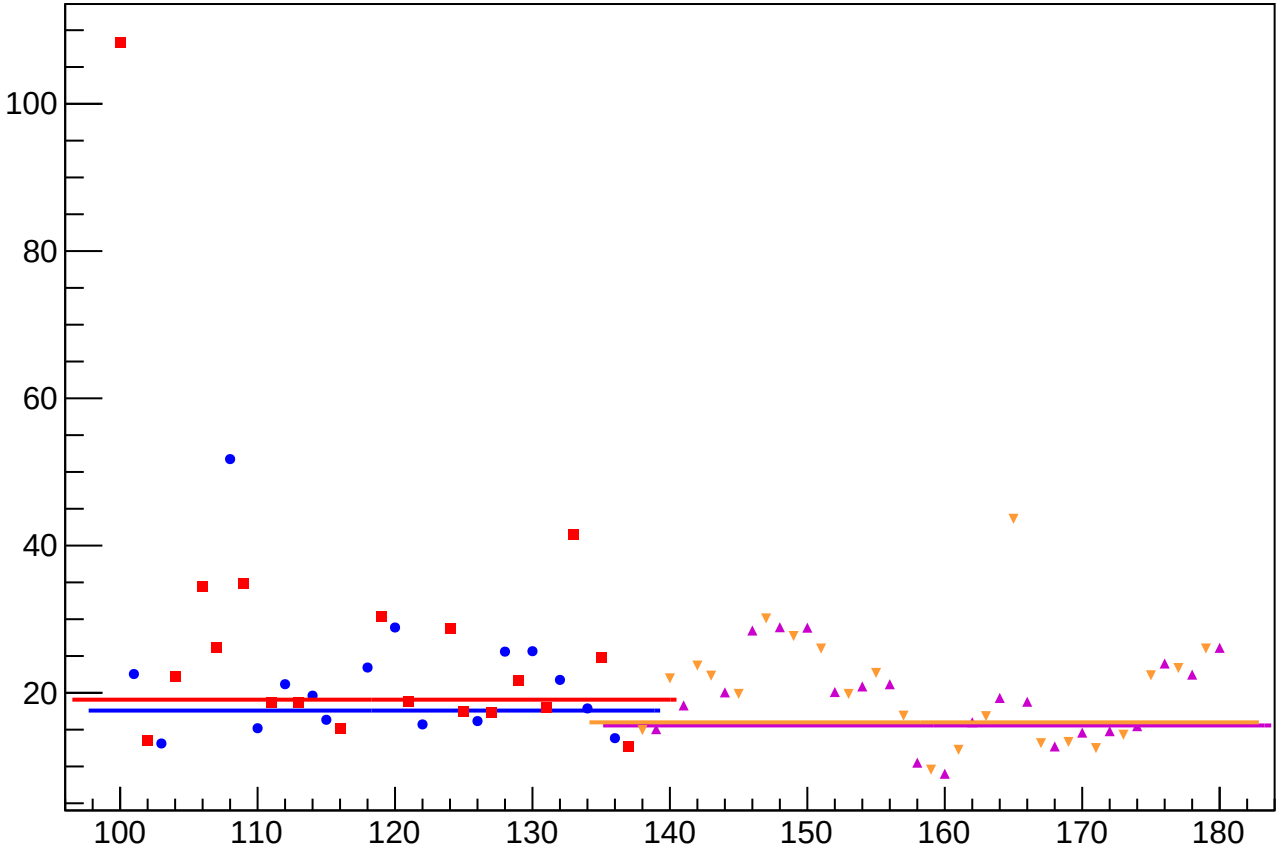
Left In: 0.002+/-0.004 χ^2/NDF:19.0/20

+ sign -0.011+/-0.004 χ^2/NDF: 67.5/37

All: -0.007+/-0.003 χ^2/NDF: 111.8/77

- 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: 15.993+/-0.003 χ^2/NDF:3573165.4/21

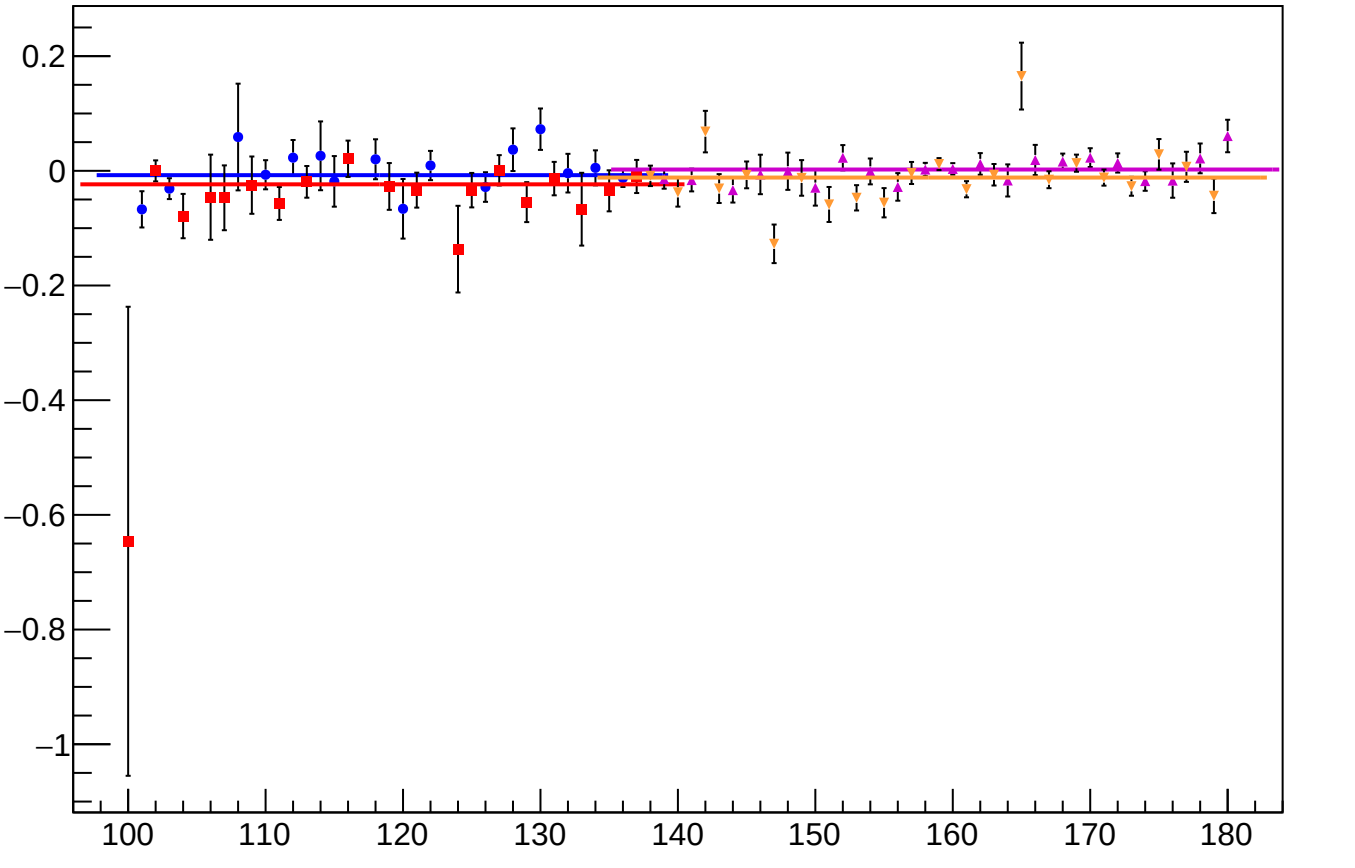
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.570+/-0.003 χ^2/NDF:3382878.7/20

+ sign 16.395+/-0.003 χ^2/NDF: 4640177.8/37

All: 16.366+/-0.002 χ^2/NDF: 9590826.8/77

- 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: -0.012+/-0.004 χ^2/NDF:50.5/21

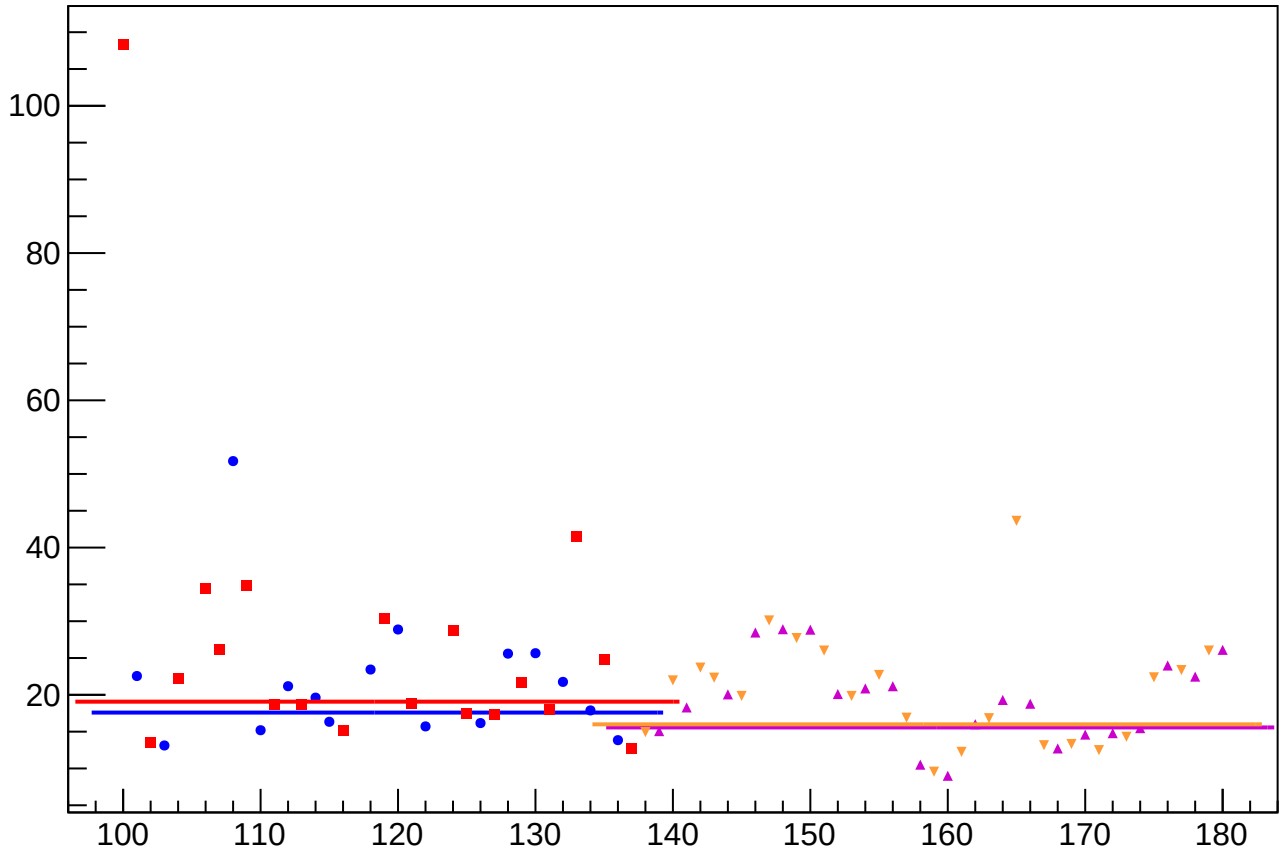
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.002+/-0.004 χ^2/NDF:19.0/20

+ sign -0.011+/-0.004 χ^2/NDF: 67.5/37

All: -0.007+/-0.003 χ^2/NDF: 111.8/77

- 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: 15.993+/-0.003 χ^2/NDF:3573165.4/21

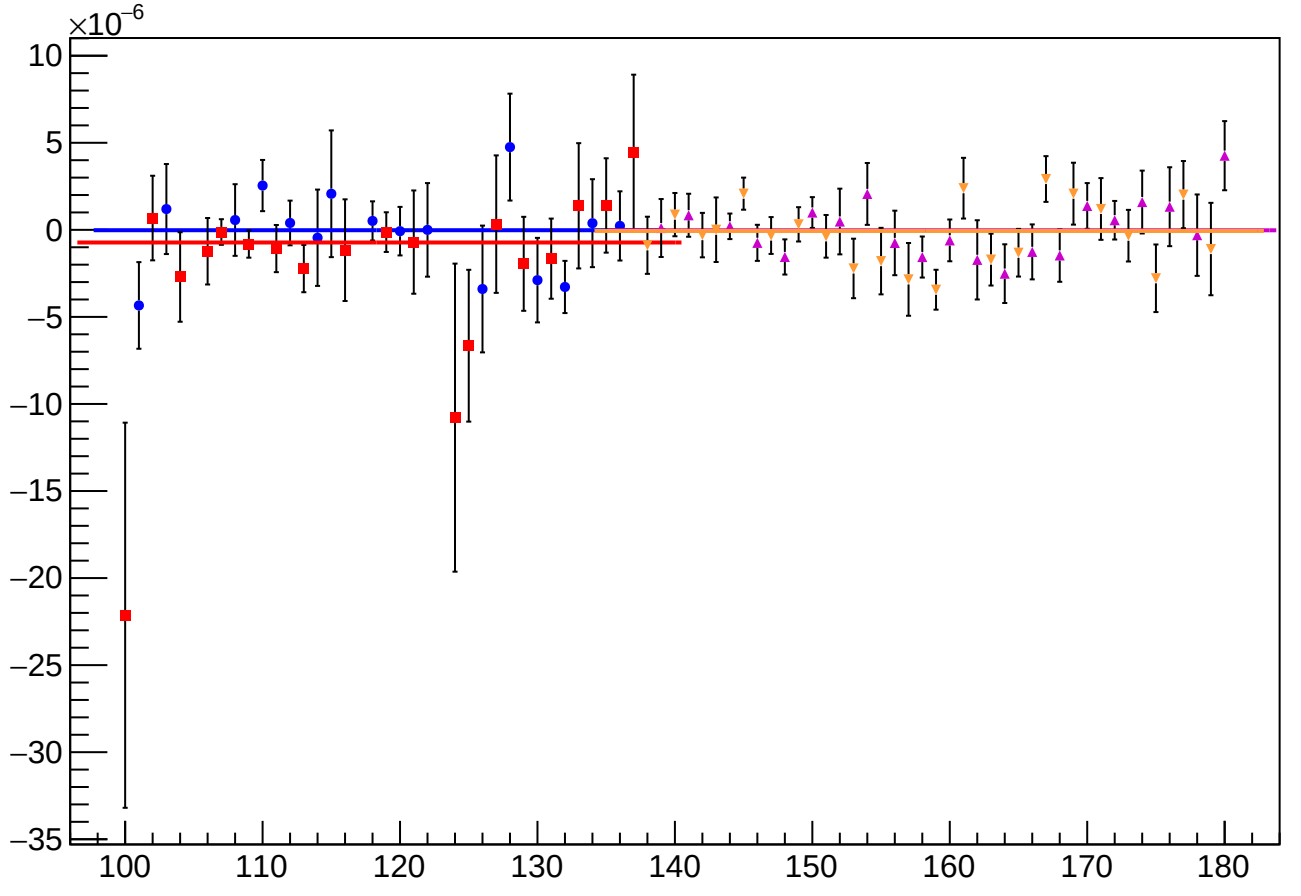
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.570+/-0.003 χ^2/NDF:3382878.7/20

+ sign 16.395+/-0.003 χ^2/NDF: 4640177.8/37

All: 16.366+/-0.002 χ^2/NDF: 9590826.8/77

- 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:33.9/21

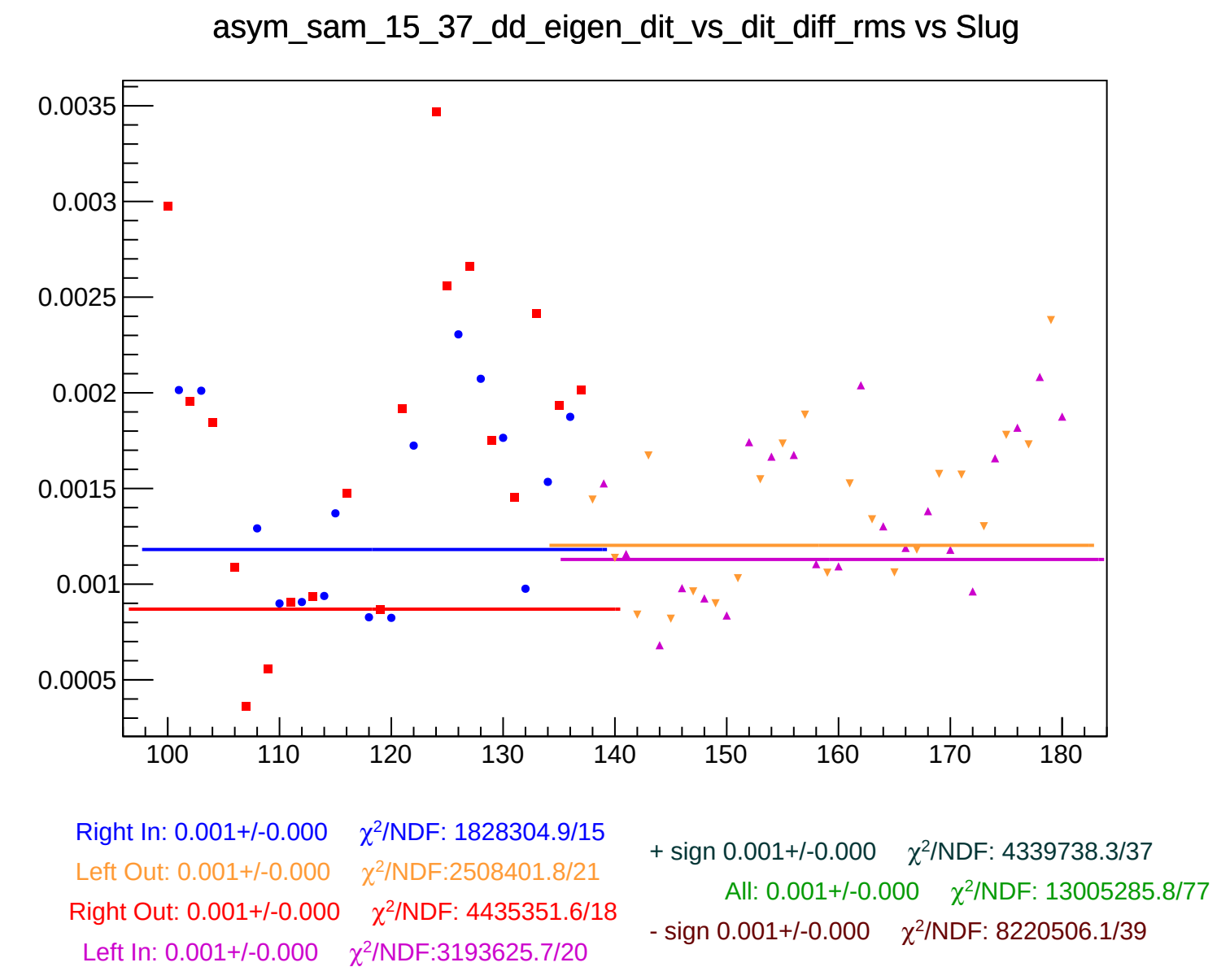
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

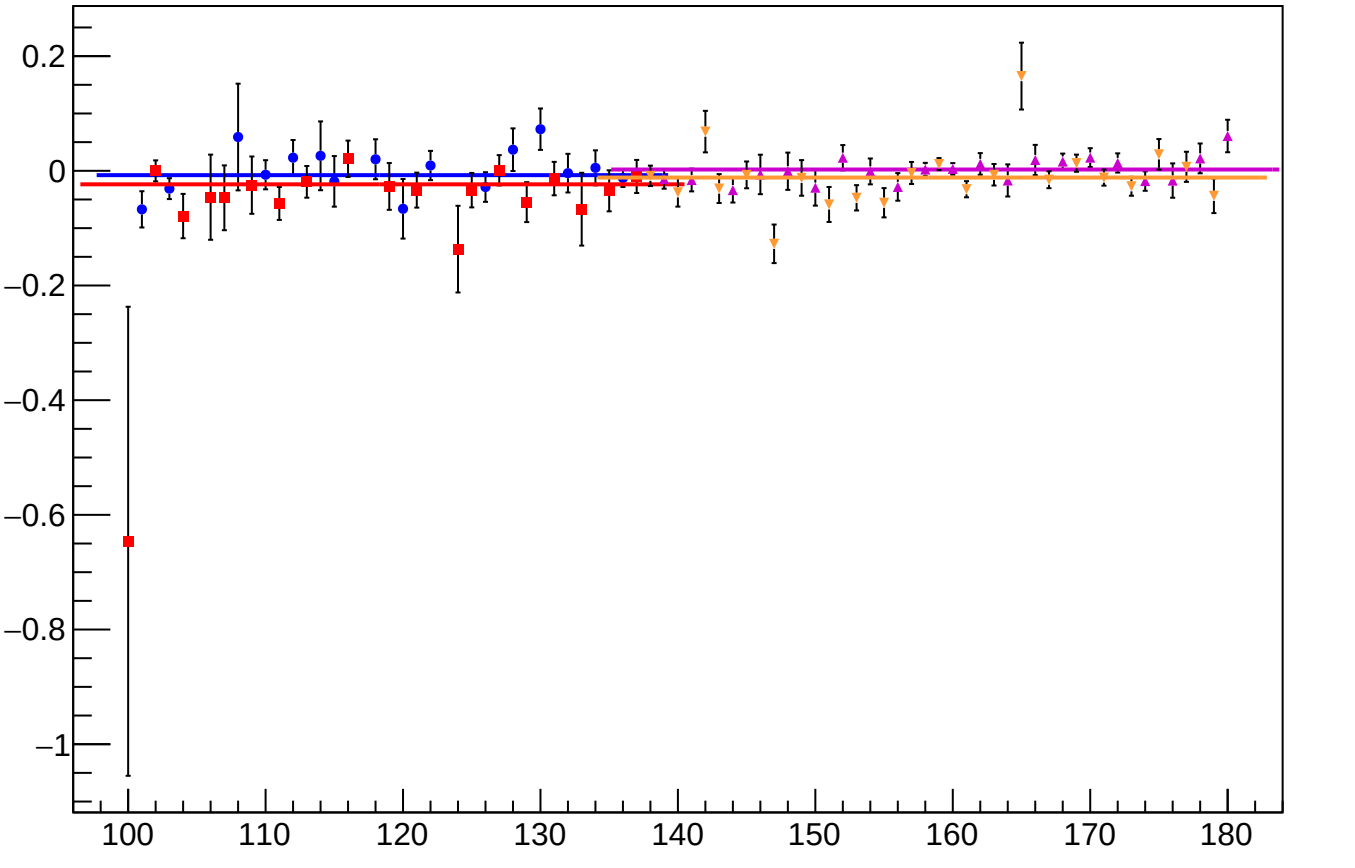
Left In: -0.000+/-0.000 χ^2/NDF:19.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 50.4/37

All: -0.000+/-0.000 χ^2/NDF: 85.6/77

- 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:2508401.8/21
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: 4339738.3/37
All: 0.001+/-0.000 χ²/NDF: 13005285.8/77
- sign 0.001+/-0.000 χ²/NDF: 8220506.1/39



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

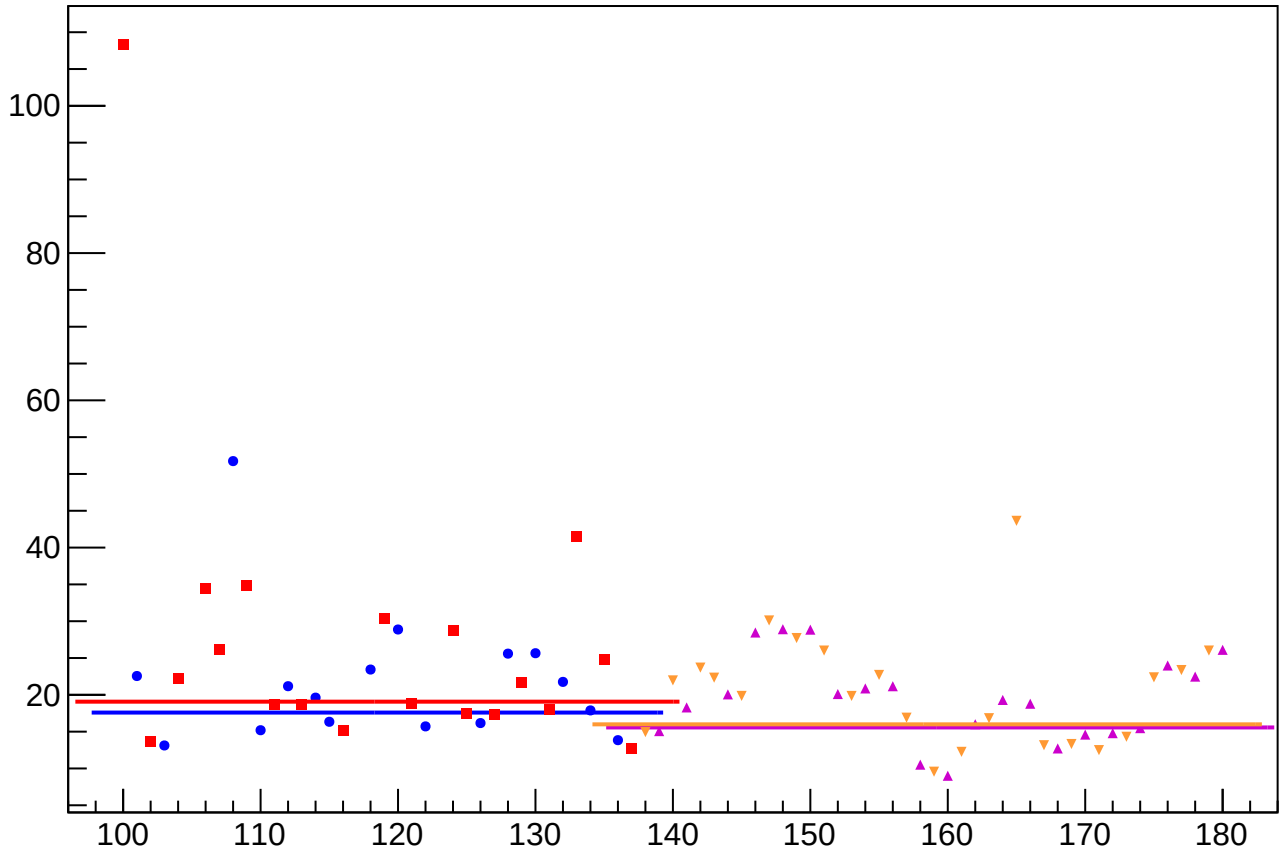
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.002+/-0.004 χ^2/NDF:19.0/20

+ sign -0.011+/-0.004 χ^2/NDF: 67.5/37

All: -0.007+/-0.003 χ^2/NDF: 111.8/77

- 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: 15.992+/-0.003 χ^2/NDF:3573420.3/21

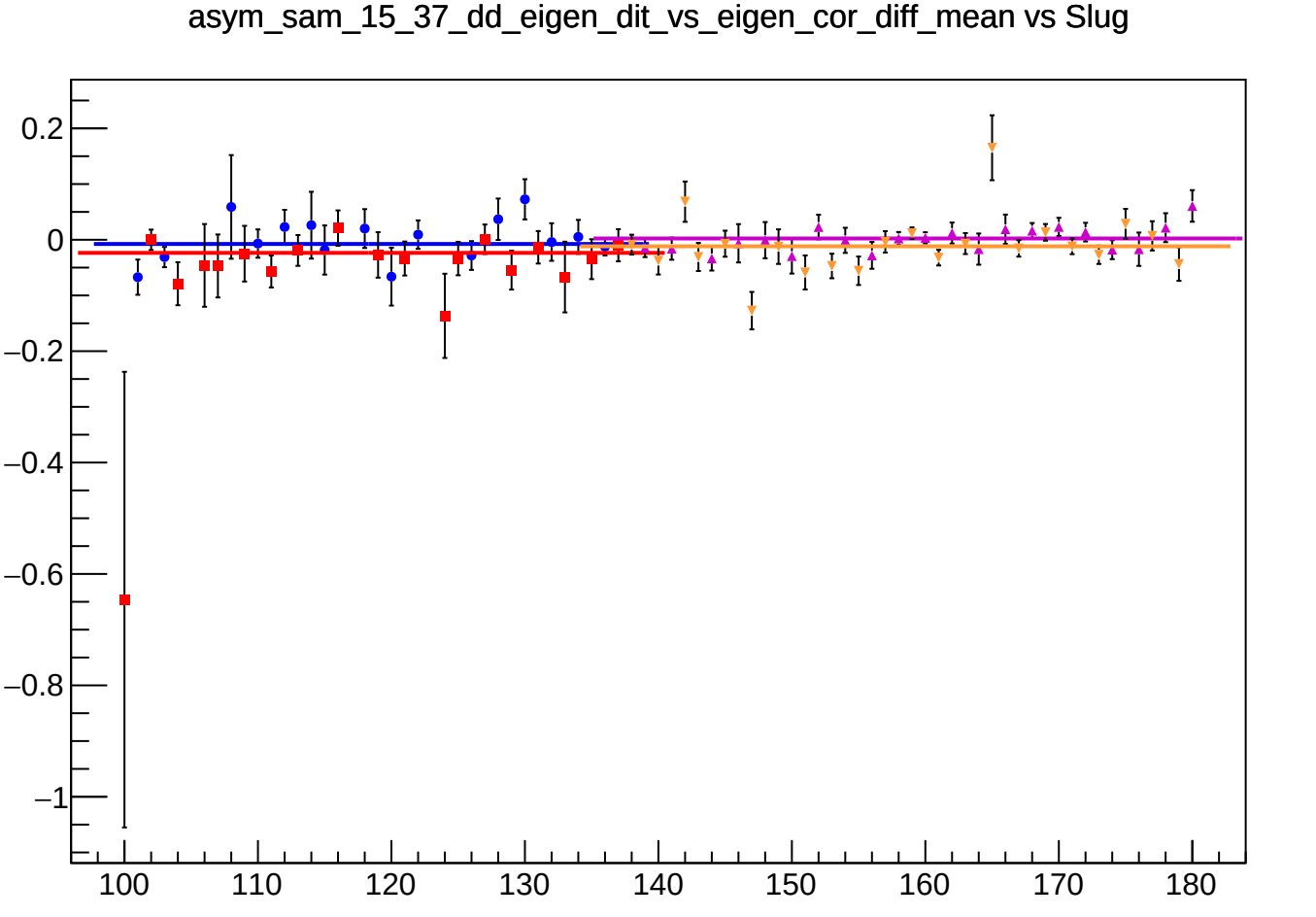
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.570+/-0.003 χ^2/NDF:3383235.2/20

+ sign 16.395+/-0.003 χ^2/NDF: 4640495.5/37

All: 16.366+/-0.002 χ^2/NDF: 9591529.3/77

- sign 16.336+/-0.003 χ^2/NDF: 4950770.2/39



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

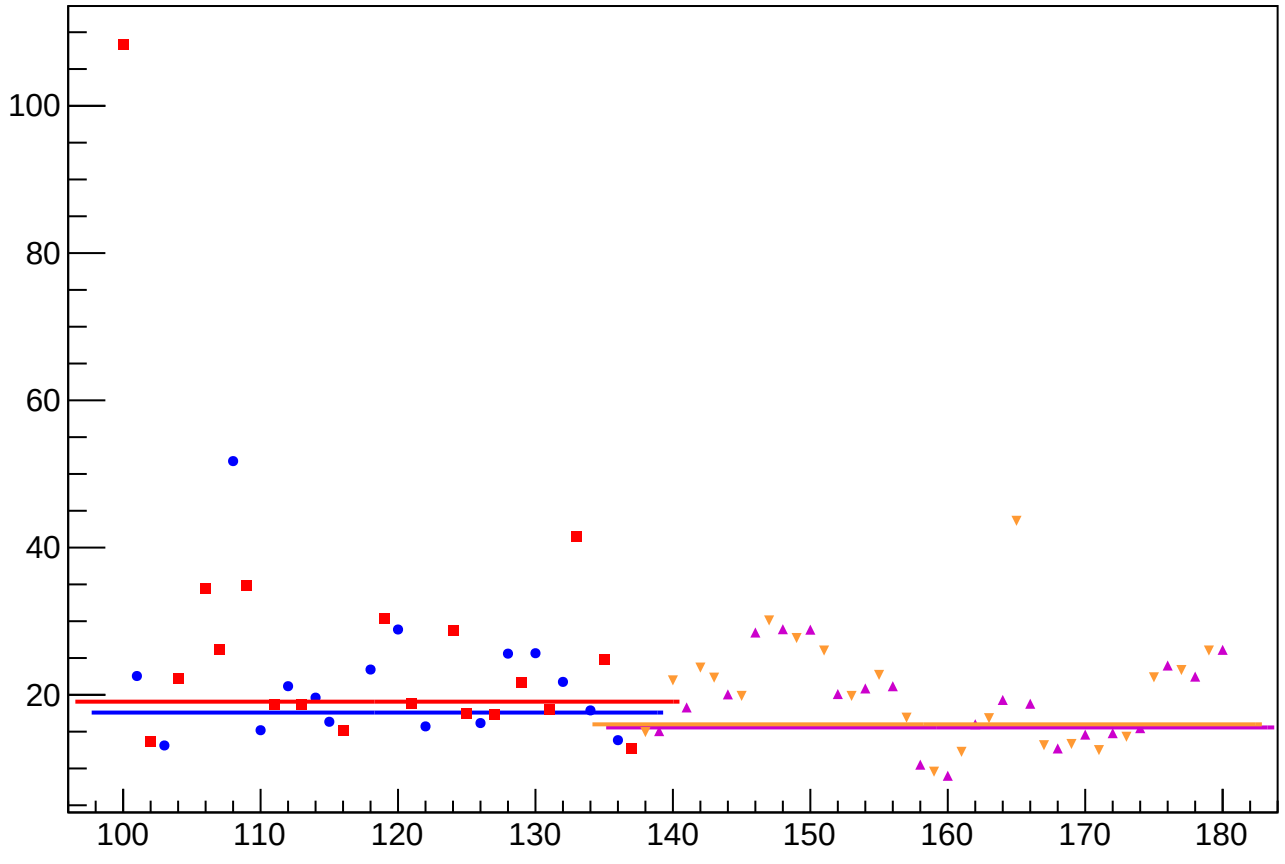
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.002+/-0.004 χ^2/NDF:19.0/20

+ sign -0.011+/-0.004 χ^2/NDF: 67.5/37

All: -0.007+/-0.003 χ^2/NDF: 111.8/77

- 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: 15.992+/-0.003 χ^2/NDF:3573420.3/21

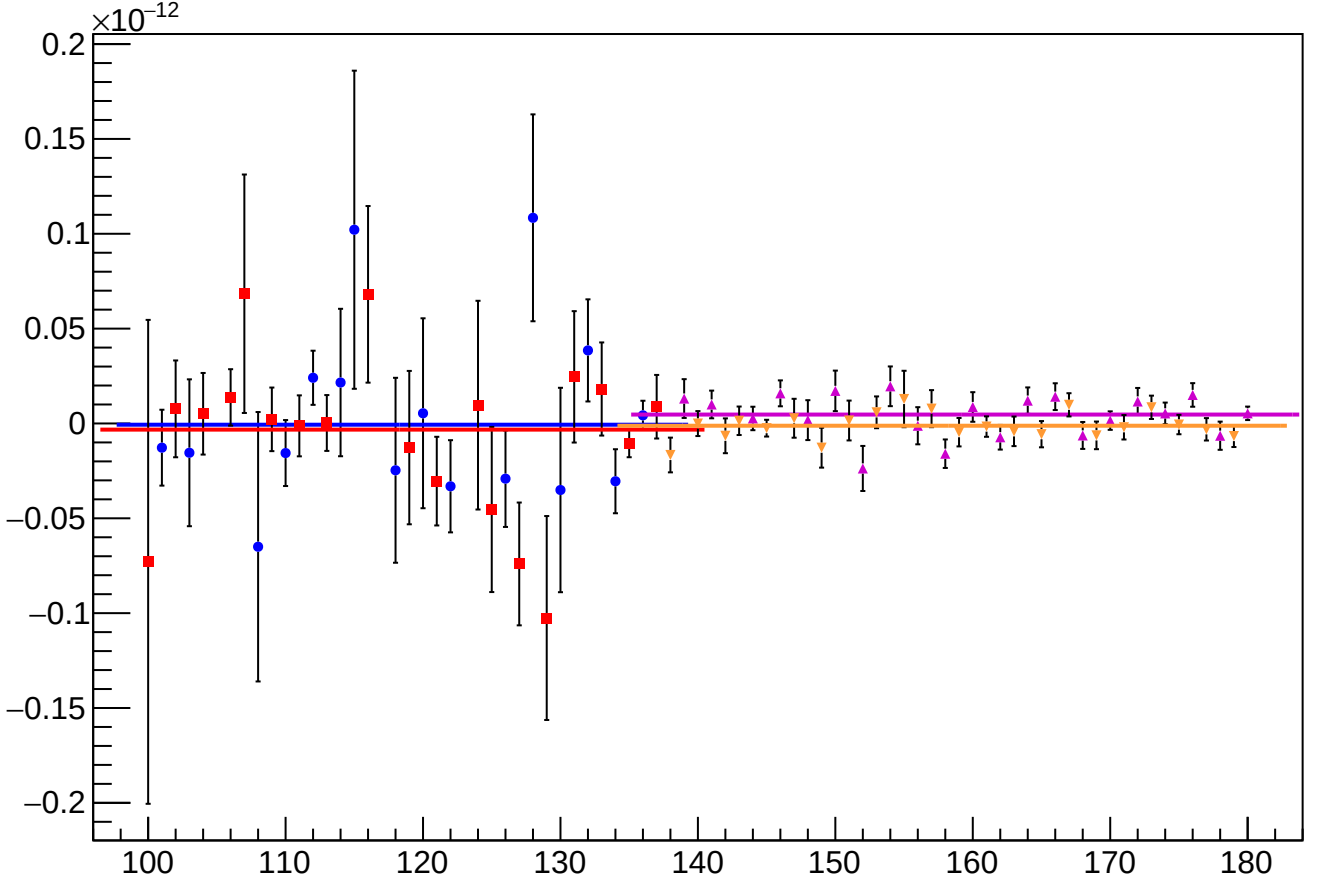
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.570+/-0.003 χ^2/NDF:3383235.2/20

+ sign 16.395+/-0.003 χ^2/NDF: 4640495.5/37

All: 16.366+/-0.002 χ^2/NDF: 9591529.3/77

- 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:15.3/21

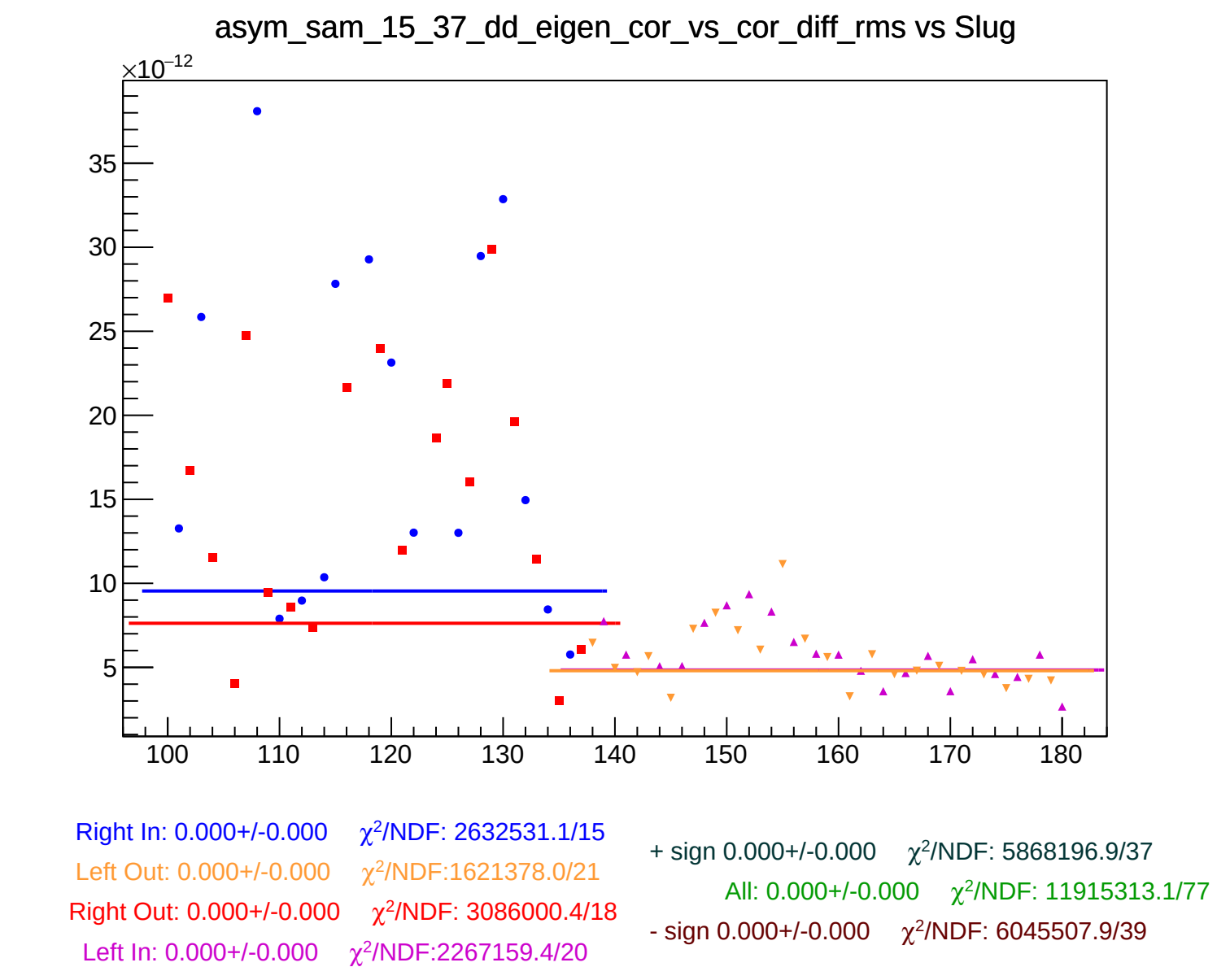
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:36.5/20

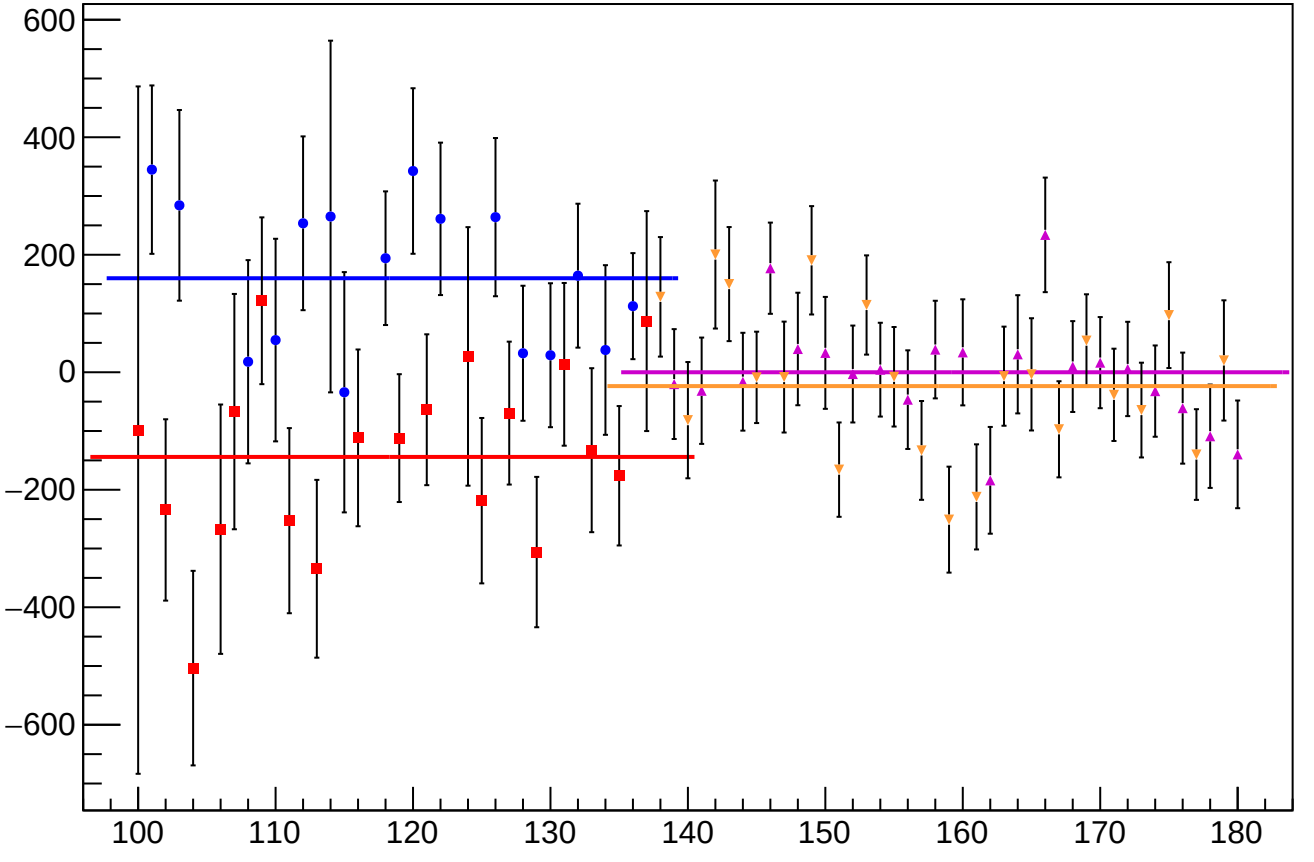
+ sign -0.000+/-0.000 χ^2/NDF: 35.6/37

All: 0.000+/-0.000 χ^2/NDF: 100.5/77

- 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:1621378.0/21
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: 5868196.9/37
All: 0.000+/-0.000 χ²/NDF: 11915313.1/77
- 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: -23.572+/-18.733 χ^2/NDF:39.1/21

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

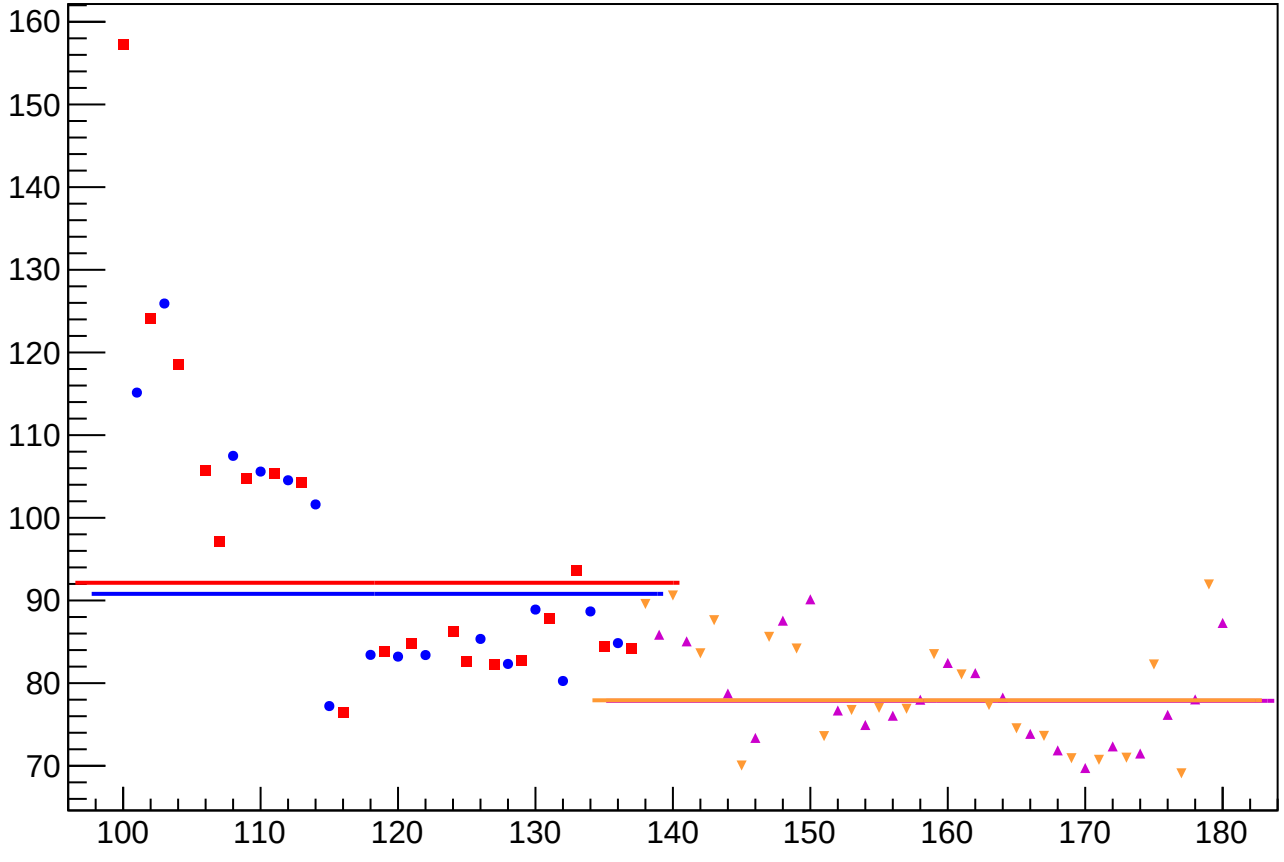
Left In: -0.013+/-18.835 χ^2/NDF:20.8/20

+ sign 18.857+/-16.426 χ^2/NDF: 72.4/37

All: -7.218+/-11.641 χ^2/NDF: 129.3/77

- 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: 77.925+/-0.013 χ^2/NDF:266824.7/21

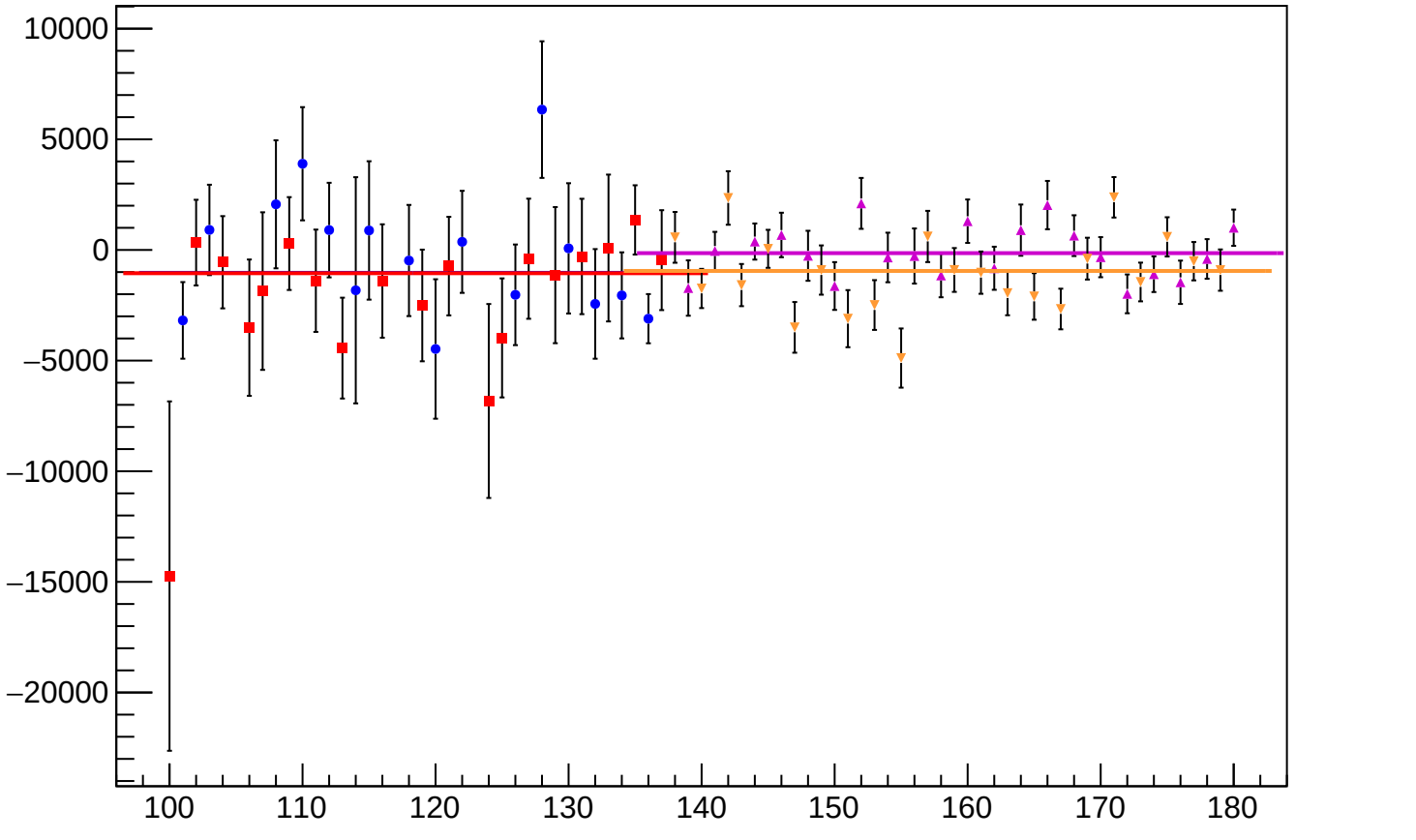
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.862+/-0.013 χ^2/NDF:181838.7/20

+ sign 80.901+/-0.012 χ^2/NDF: 757974.2/37

All: 81.041+/-0.008 χ^2/NDF: 1509485.8/77

- 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: -948.797+/-213.136 χ^2/NDF:54.8/21

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

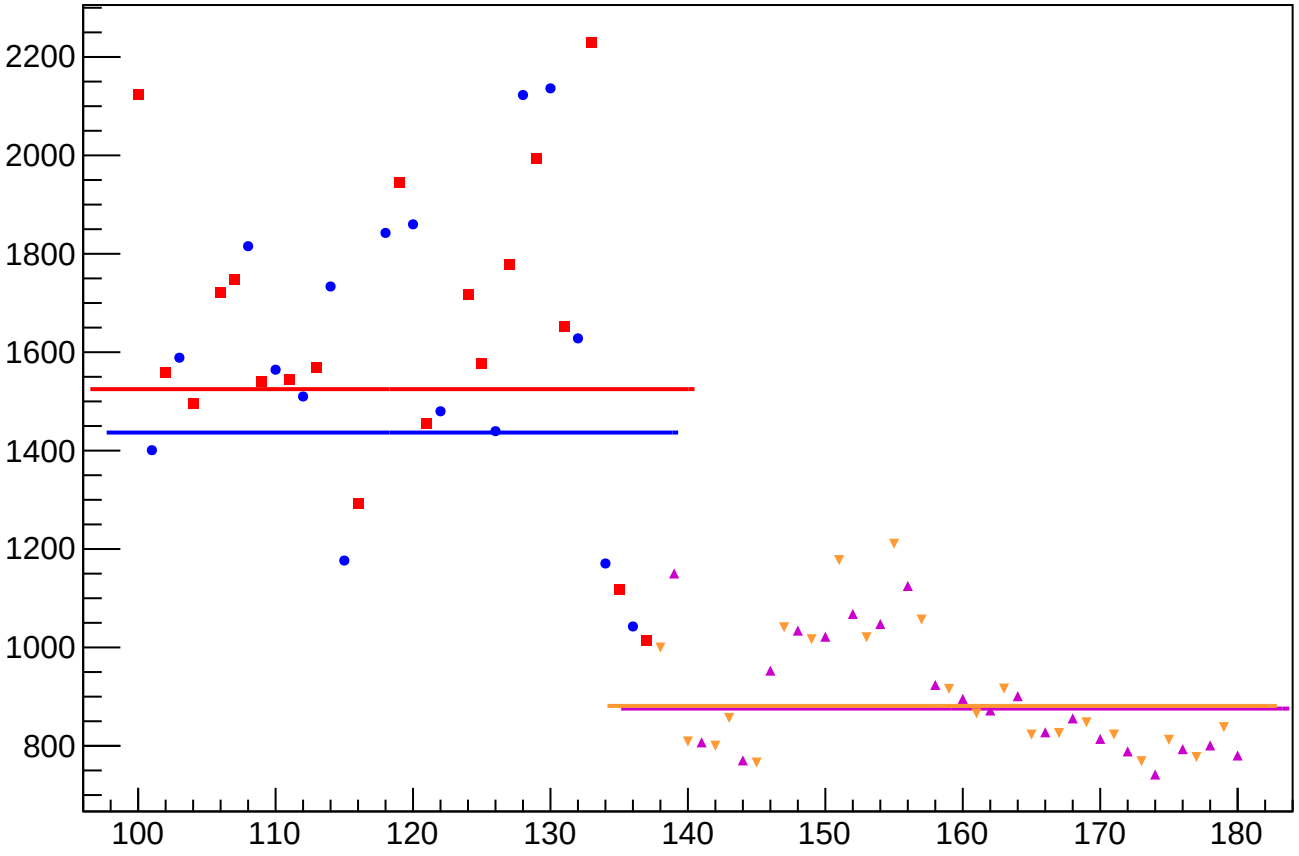
Left In: -143.884+/-213.046 χ^2/NDF:27.3/20

+ sign -960.049+/-198.745 χ^2/NDF: 75.1/37

All: -609.141+/-140.806 χ^2/NDF: 123.8/77

- 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: 881.163+/-0.151 χ^2/NDF:560489.2/21

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

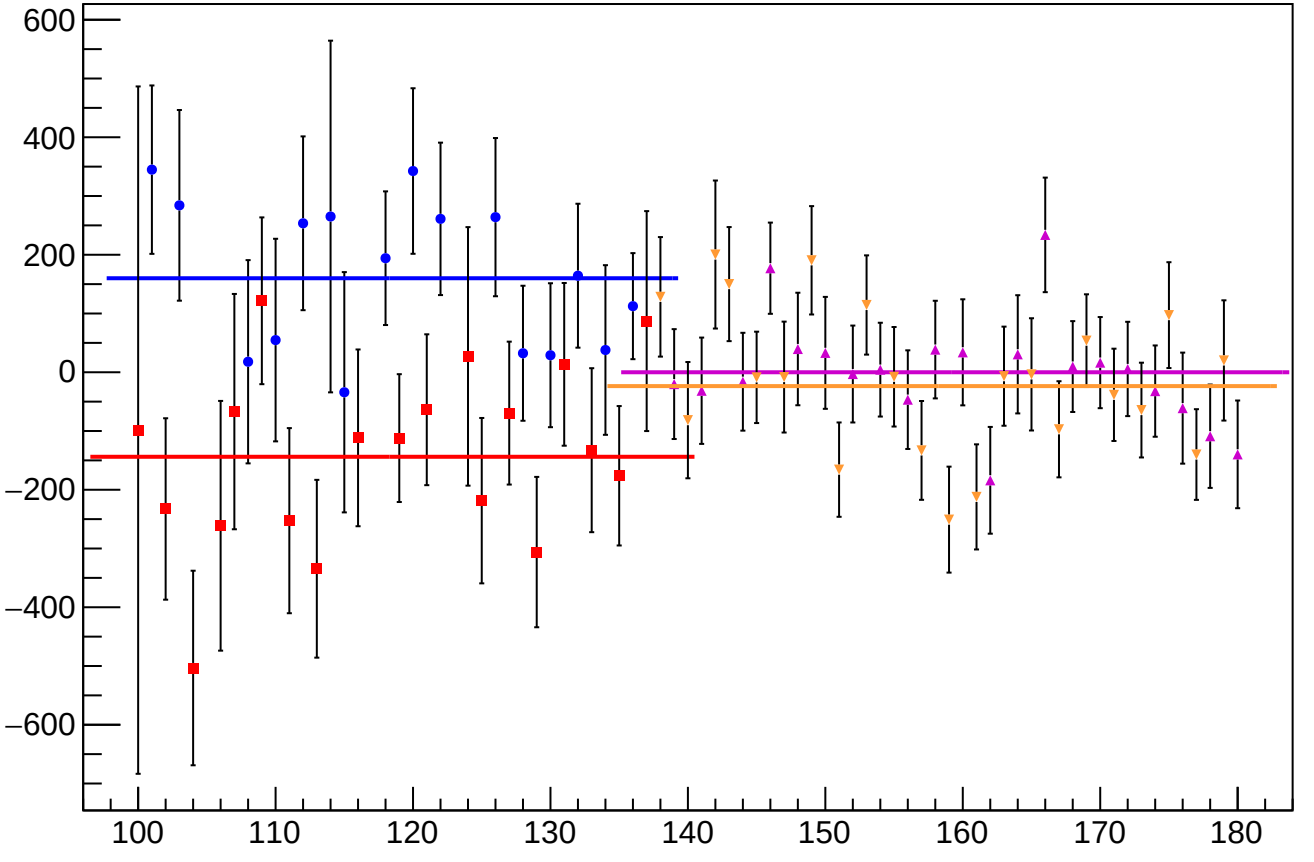
Left In: 875.735+/-0.151 χ^2/NDF:563863.3/20

+ sign 953.653+/-0.141 χ^2/NDF: 3009280.3/37

All: 954.611+/-0.100 χ^2/NDF: 6361819.9/77

- 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: -23.569+/-18.733 χ^2/NDF:39.1/21

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

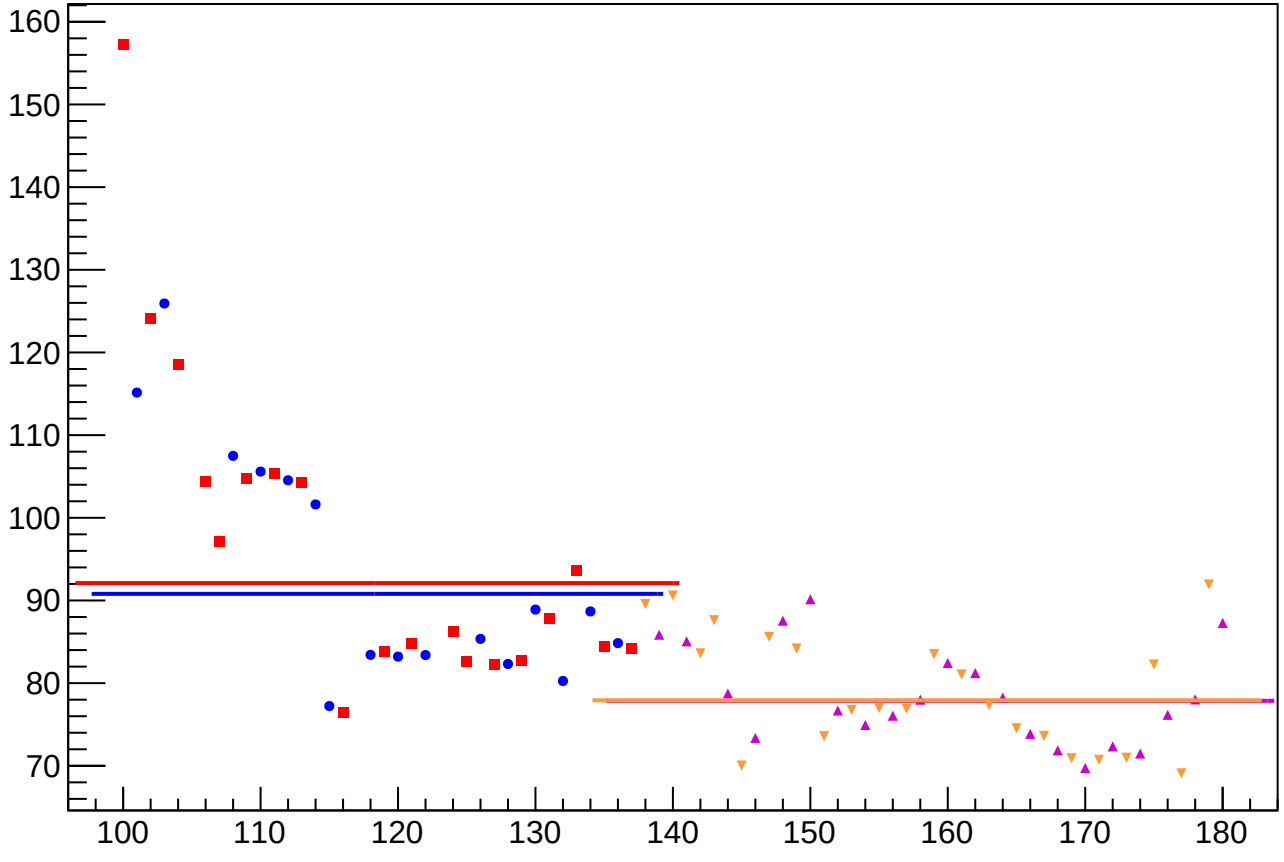
Left In: -0.010+/-18.835 χ^2/NDF:20.8/20

+ sign 18.858+/-16.426 χ^2/NDF: 72.4/37

All: -7.186+/-11.641 χ^2/NDF: 129.2/77

- 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: 77.925+/-0.013 χ^2/NDF:266824.7/21

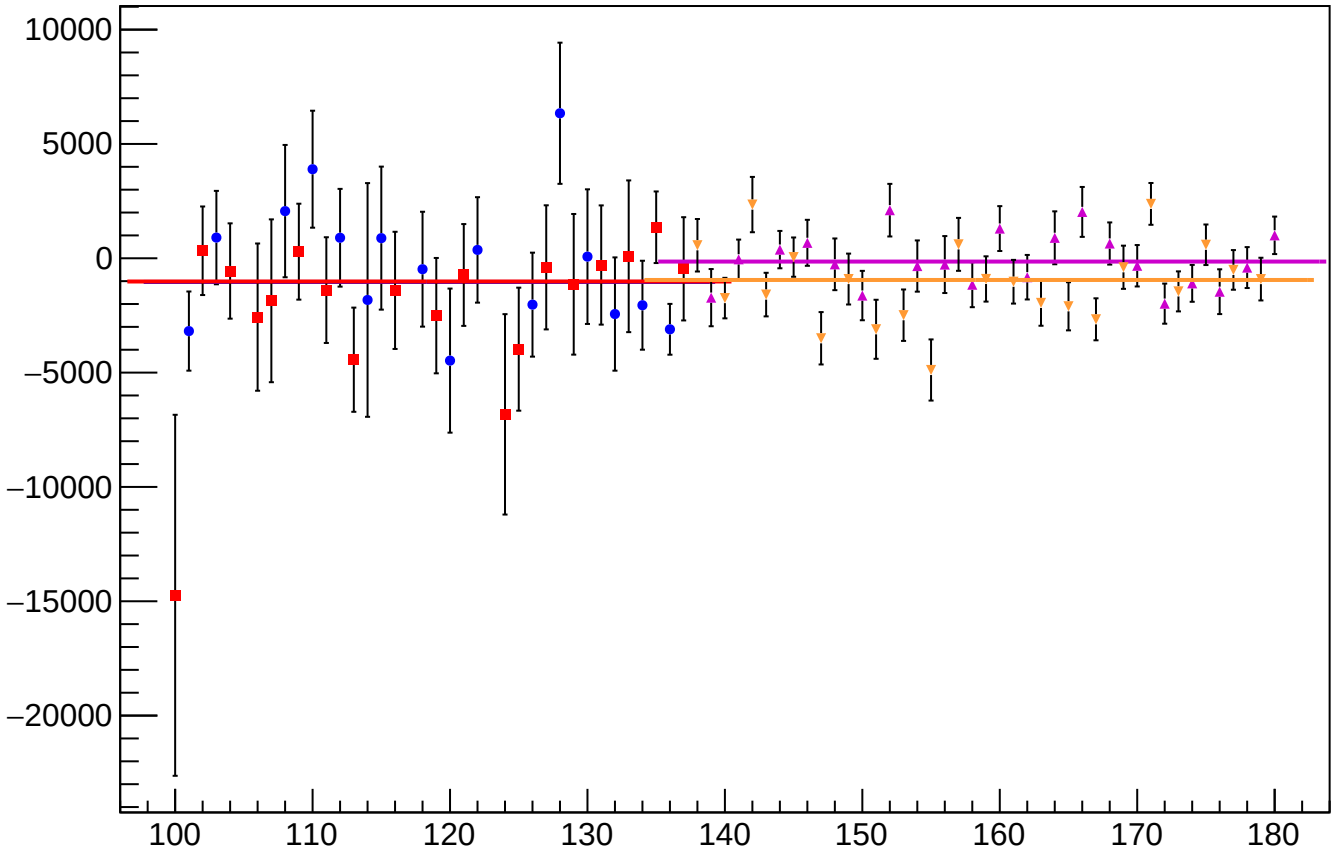
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.862+/-0.013 χ^2/NDF:181838.7/20

+ sign 80.901+/-0.012 χ^2/NDF: 757976.2/37

All: 81.037+/-0.008 χ^2/NDF: 1506944.0/77

- 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: -948.794+/-213.136 χ^2/NDF:54.8/21

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

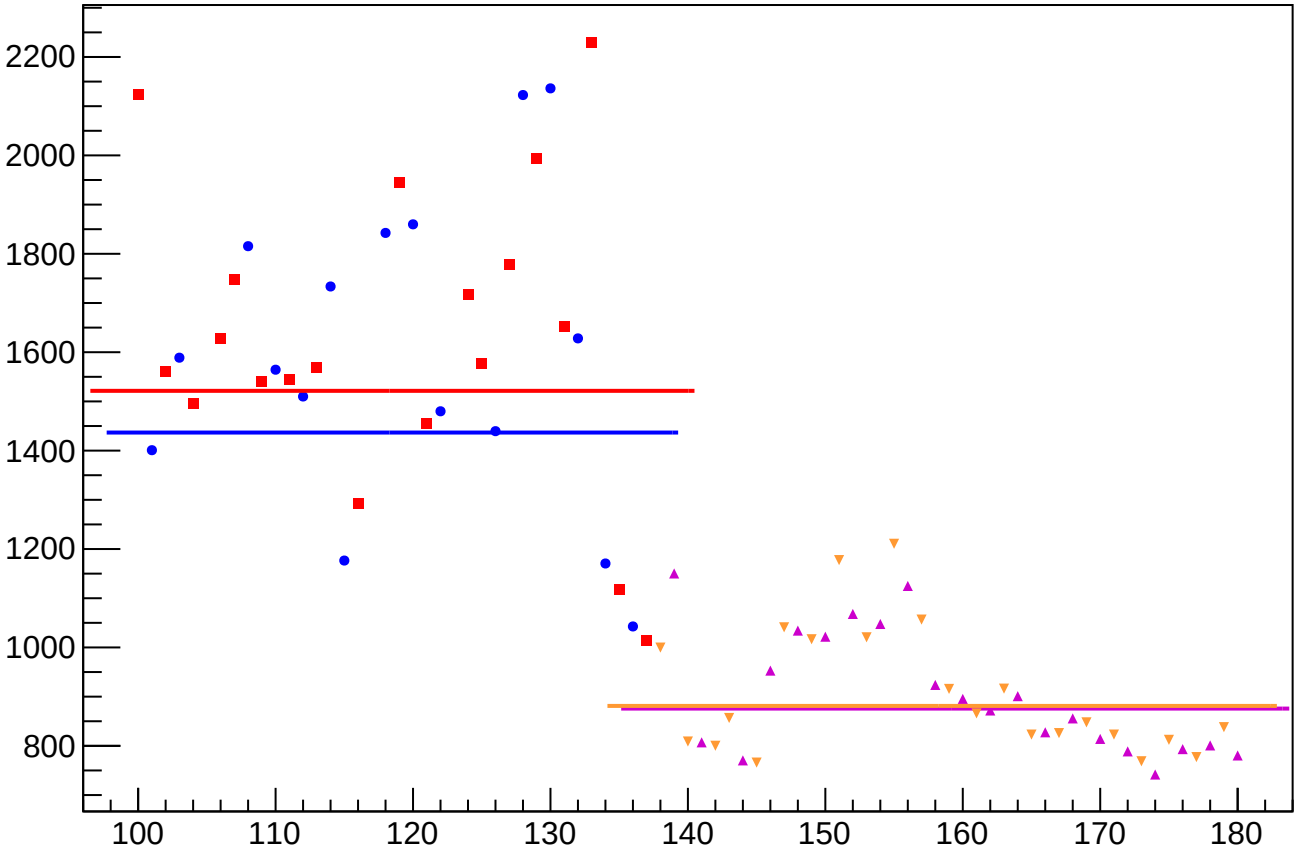
Left In: -143.884+/-213.046 χ^2/NDF:27.3/20

+ sign -960.043+/-198.745 χ^2/NDF: 75.1/37

All: -606.852+/-140.819 χ^2/NDF: 123.3/77

- 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: 881.162+/-0.151 χ^2/NDF:560490.4/21

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

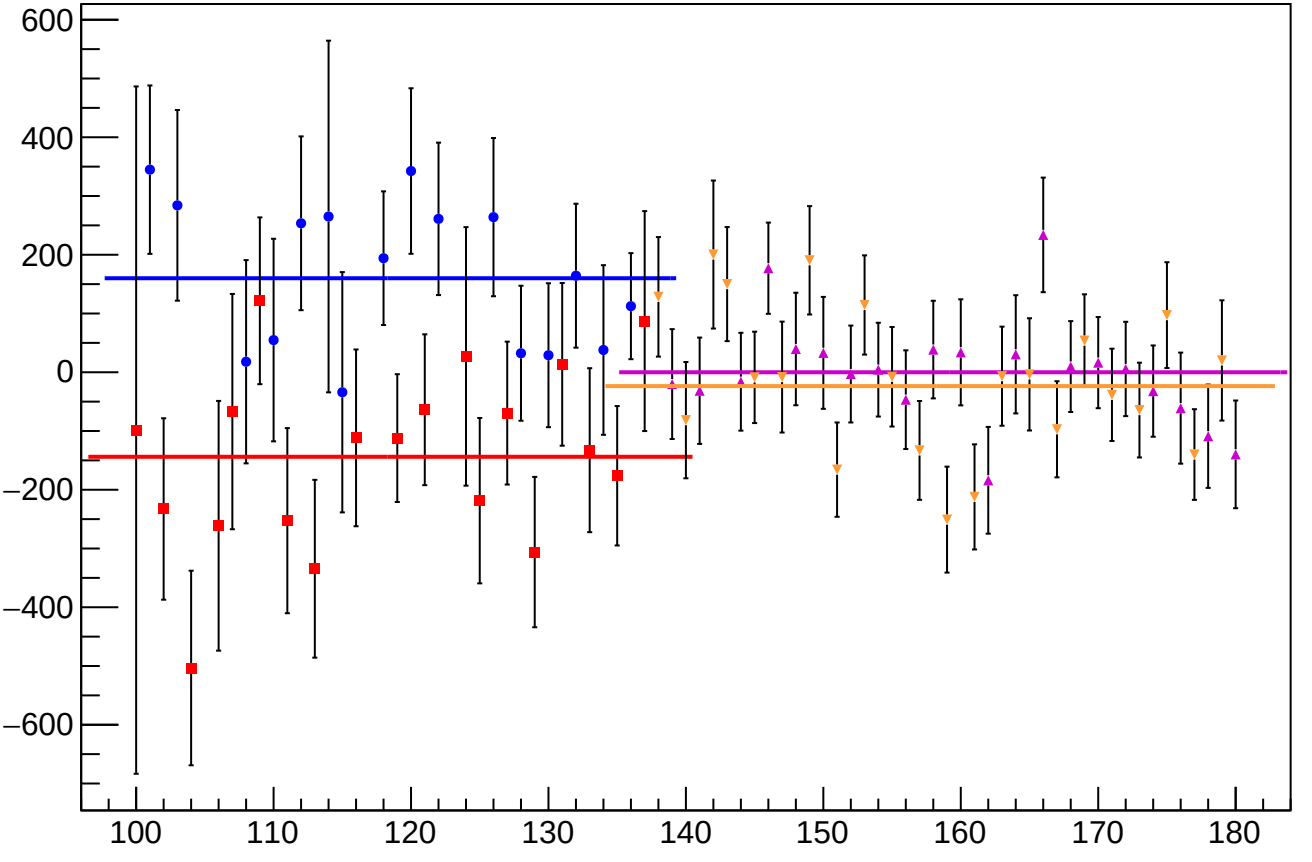
Left In: 875.735+/-0.151 χ^2/NDF:563861.9/20

\+ sign 953.653+/-0.141 χ^2/NDF: 3009305.0/37

All: 954.297+/-0.100 χ^2/NDF: 6325487.2/77

\- 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: -23.569+/-18.733 χ^2/NDF:39.1/21

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

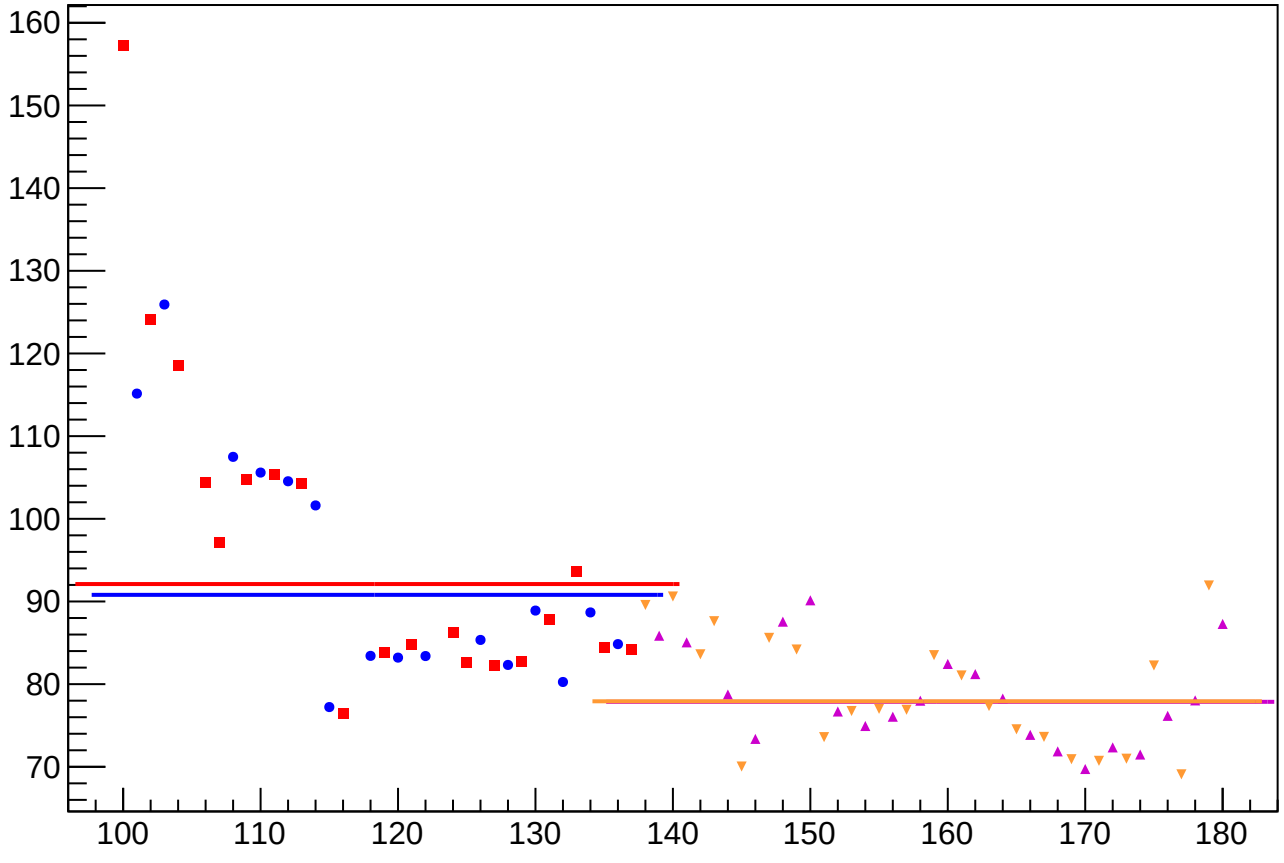
Left In: -0.010+/-18.835 χ^2/NDF:20.8/20

+ sign 18.858+/-16.426 χ^2/NDF: 72.4/37

All: -7.186+/-11.641 χ^2/NDF: 129.2/77

- 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: 77.925+/-0.013 χ^2/NDF:266824.7/21

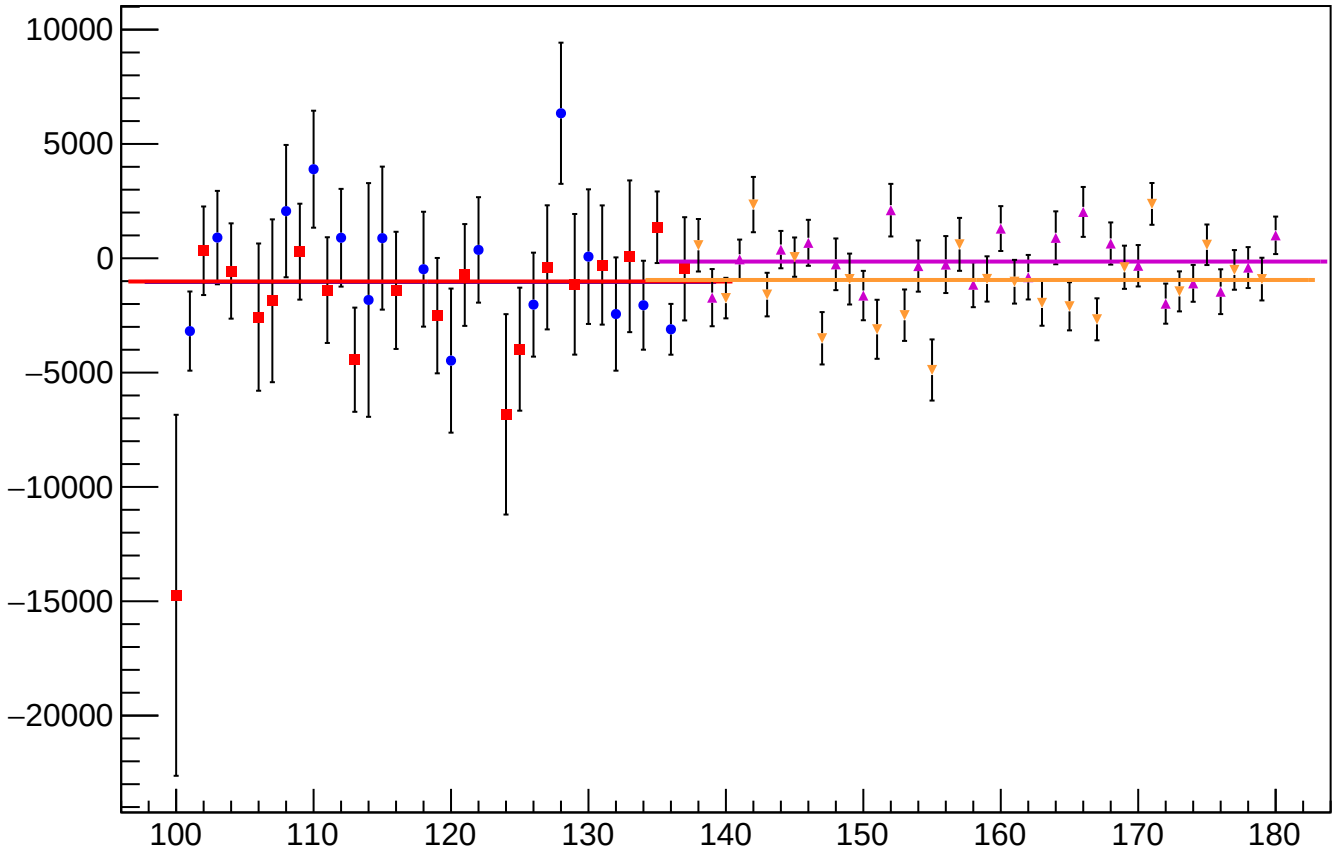
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.862+/-0.013 χ^2/NDF:181838.7/20

+ sign 80.901+/-0.012 χ^2/NDF: 757976.2/37

All: 81.037+/-0.008 χ^2/NDF: 1506944.0/77

- 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: -948.794+/-213.136 χ^2/NDF:54.8/21

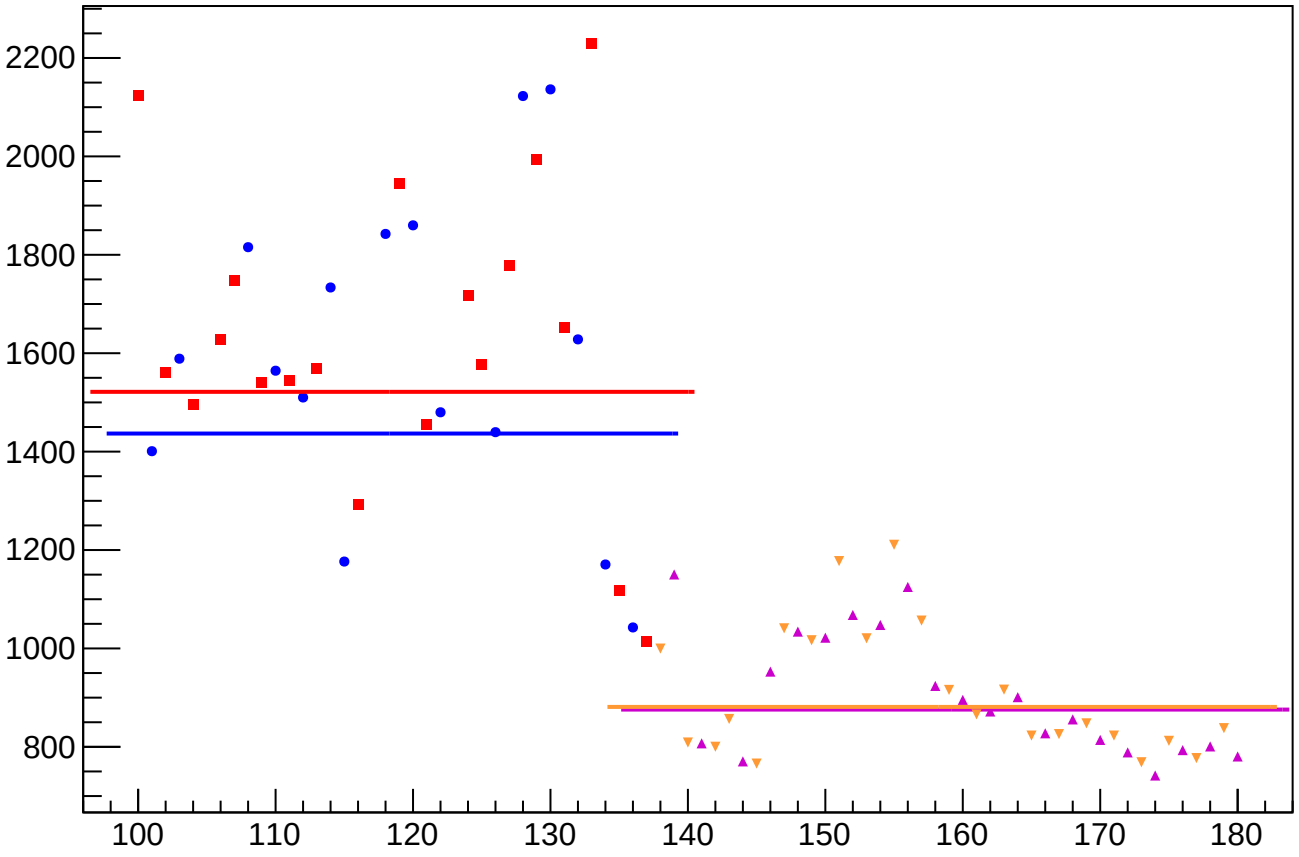
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -143.884+/-213.046 χ^2/NDF:27.3/20

+ sign -960.043+/-198.745 χ^2/NDF: 75.1/37

All: -606.852+/-140.819 χ^2/NDF: 123.3/77

- 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: 881.162+/-0.151 χ^2/NDF:560490.4/21

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

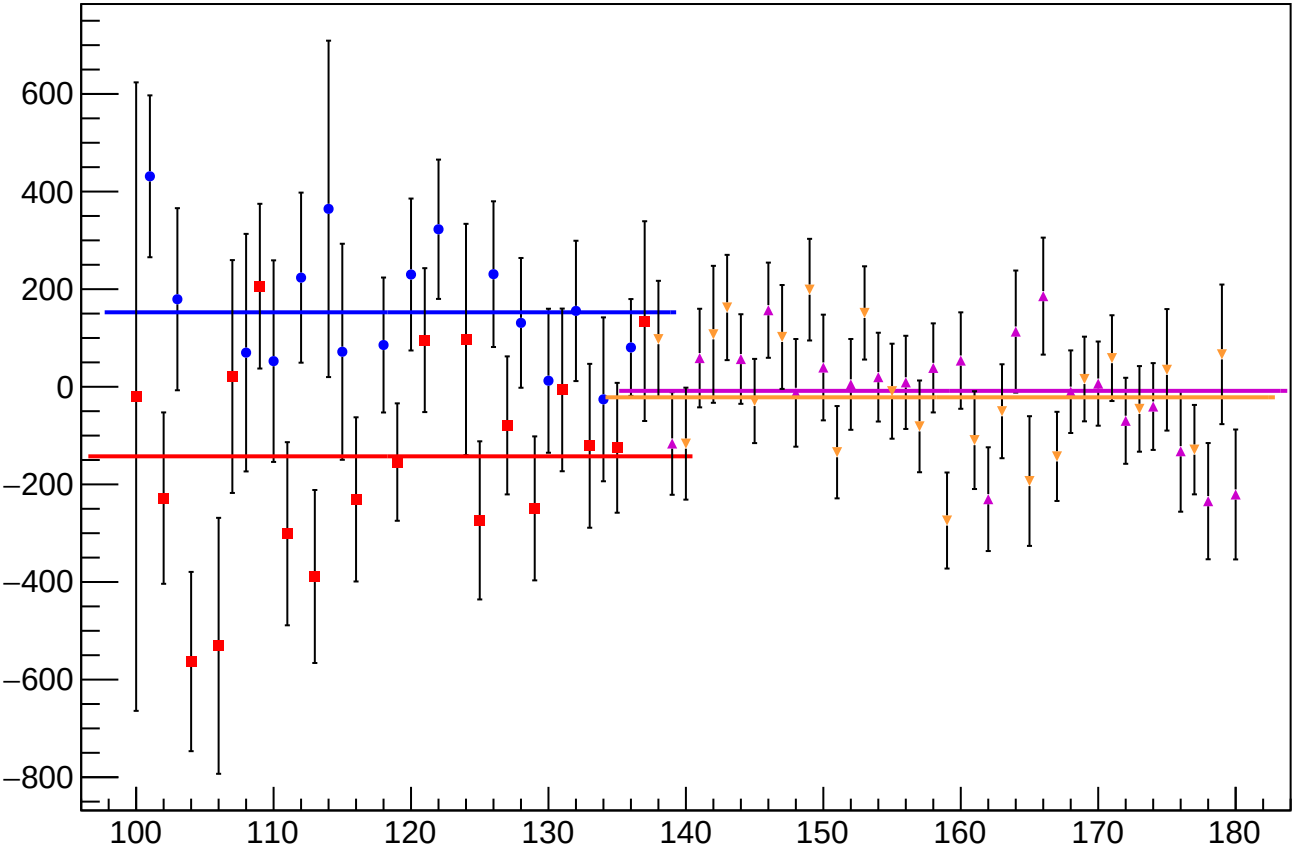
Left In: 875.735+/-0.151 χ^2/NDF:563861.9/20

+ sign 953.653+/-0.141 χ^2/NDF: 3009305.0/37

All: 954.297+/-0.100 χ^2/NDF: 6325487.2/77

- 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: -21.562+/-21.567 χ^2/NDF:30.3/21

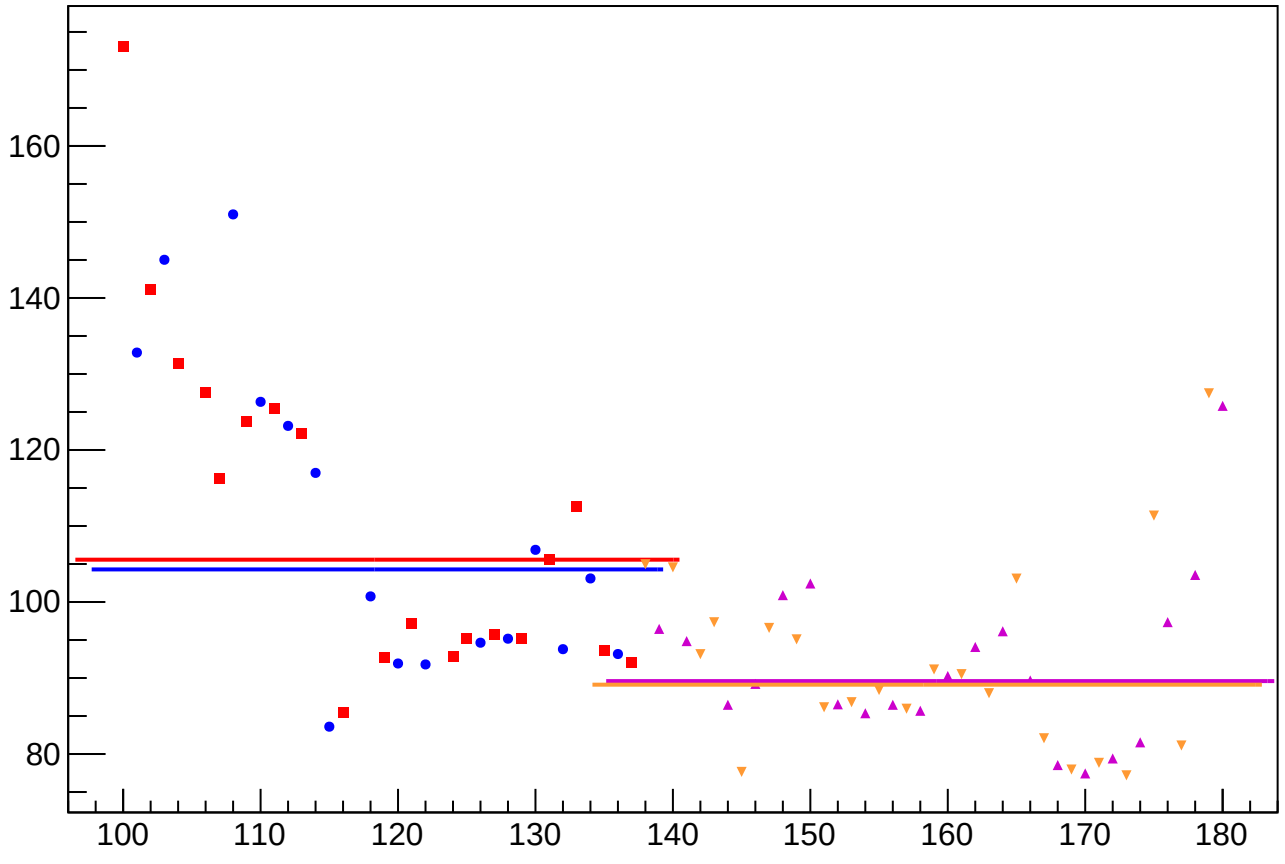
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -8.343+/-21.864 χ^2/NDF:21.6/20

+ sign 18.525+/-18.924 χ^2/NDF: 53.9/37

All: -10.449+/-13.447 χ^2/NDF: 112.1/77

- sign -40.001+/-19.111 χ^2/NDF: 53.4/39



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 89.122+/-0.015 χ^2/NDF:497676.6/21

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

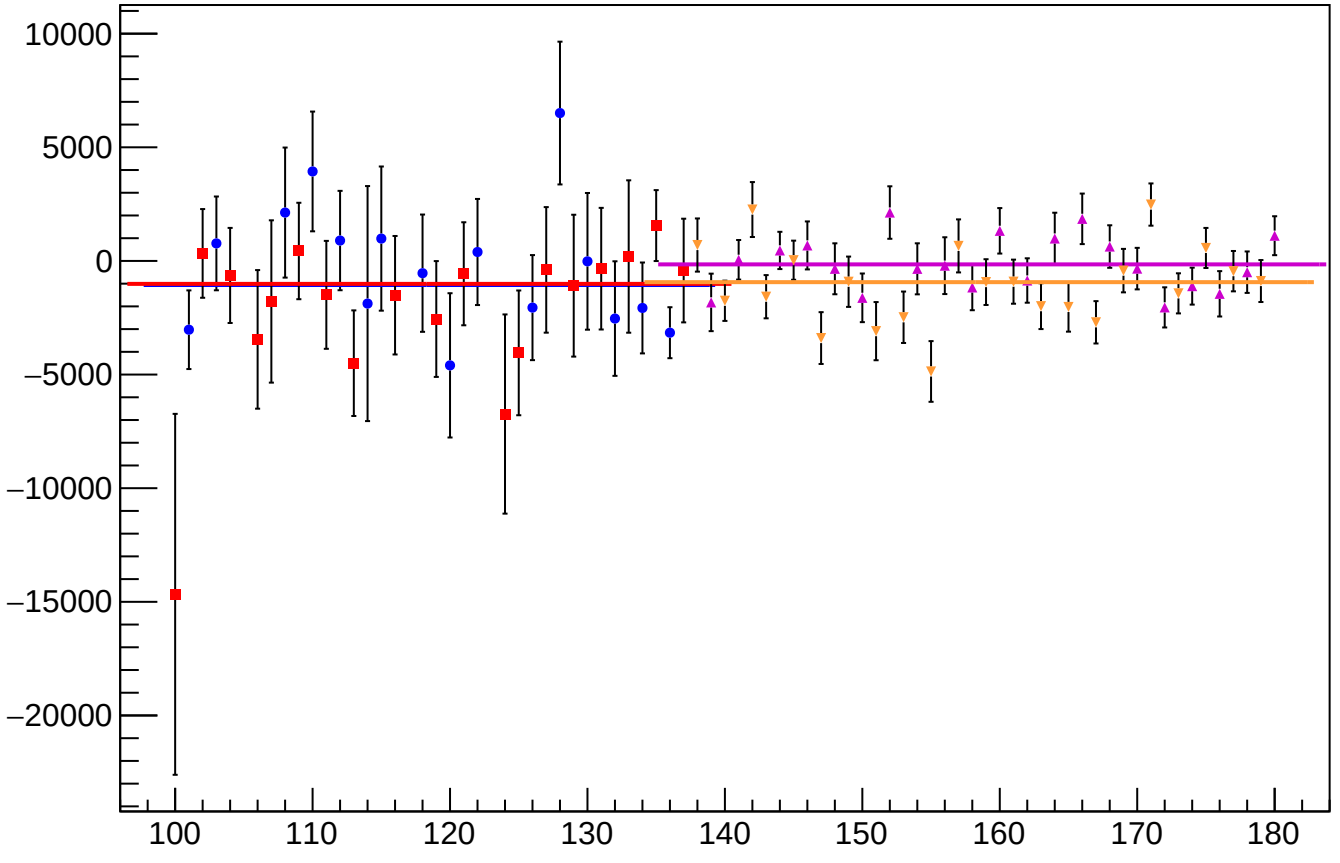
Left In: 89.594+/-0.015 χ^2/NDF:387153.8/20

+ sign 92.612+/-0.013 χ^2/NDF: 1103530.1/37

All: 92.984+/-0.010 χ^2/NDF: 2088782.8/77

- sign 93.364+/-0.014 χ^2/NDF: 983689.3/39

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -933.730+/-214.583 χ^2/NDF:54.4/21

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

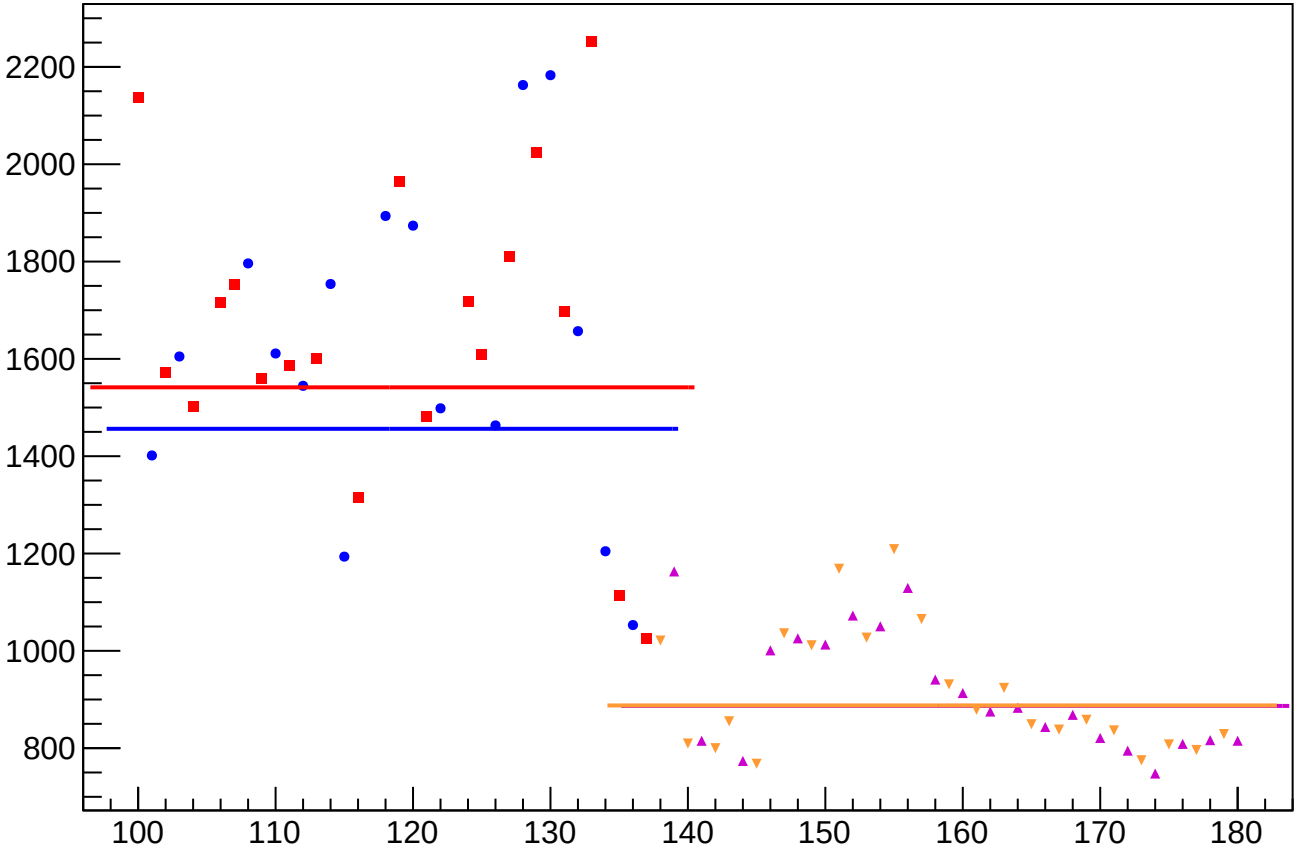
Left In: -151.848+/-215.604 χ^2/NDF:27.5/20

+ sign -949.933+/-200.268 χ^2/NDF: 74.5/37

All: -606.541+/-142.178 χ^2/NDF: 123.2/77

- 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: 887.775+/-0.152 χ^2/NDF:541761.2/21

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

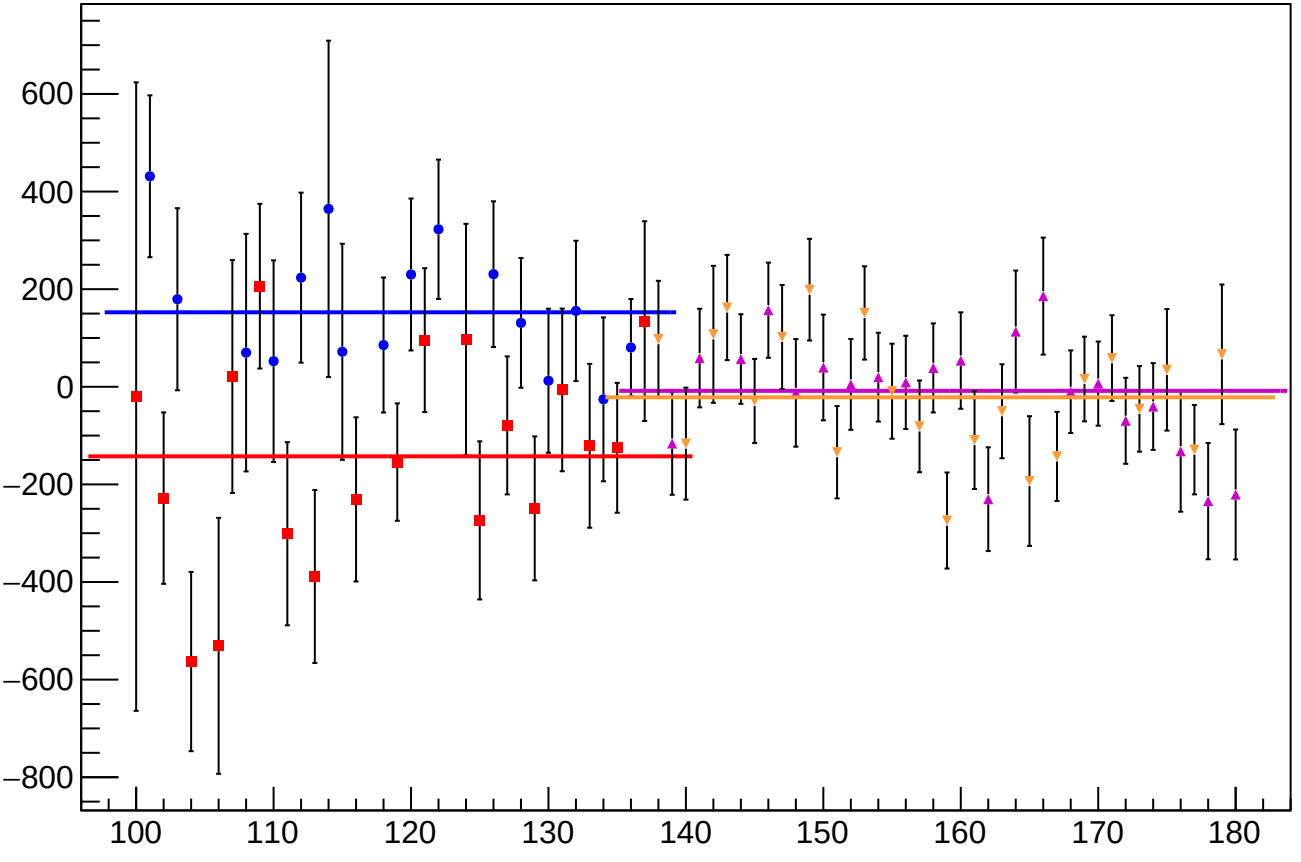
Left In: 886.807+/-0.152 χ^2/NDF:538303.4/20

\+ sign 961.101+/-0.142 χ^2/NDF: 3037279.3/37

All: 964.268+/-0.101 χ^2/NDF: 6368589.1/77

\- 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: -21.562+/-21.567 χ^2/NDF:30.3/21

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

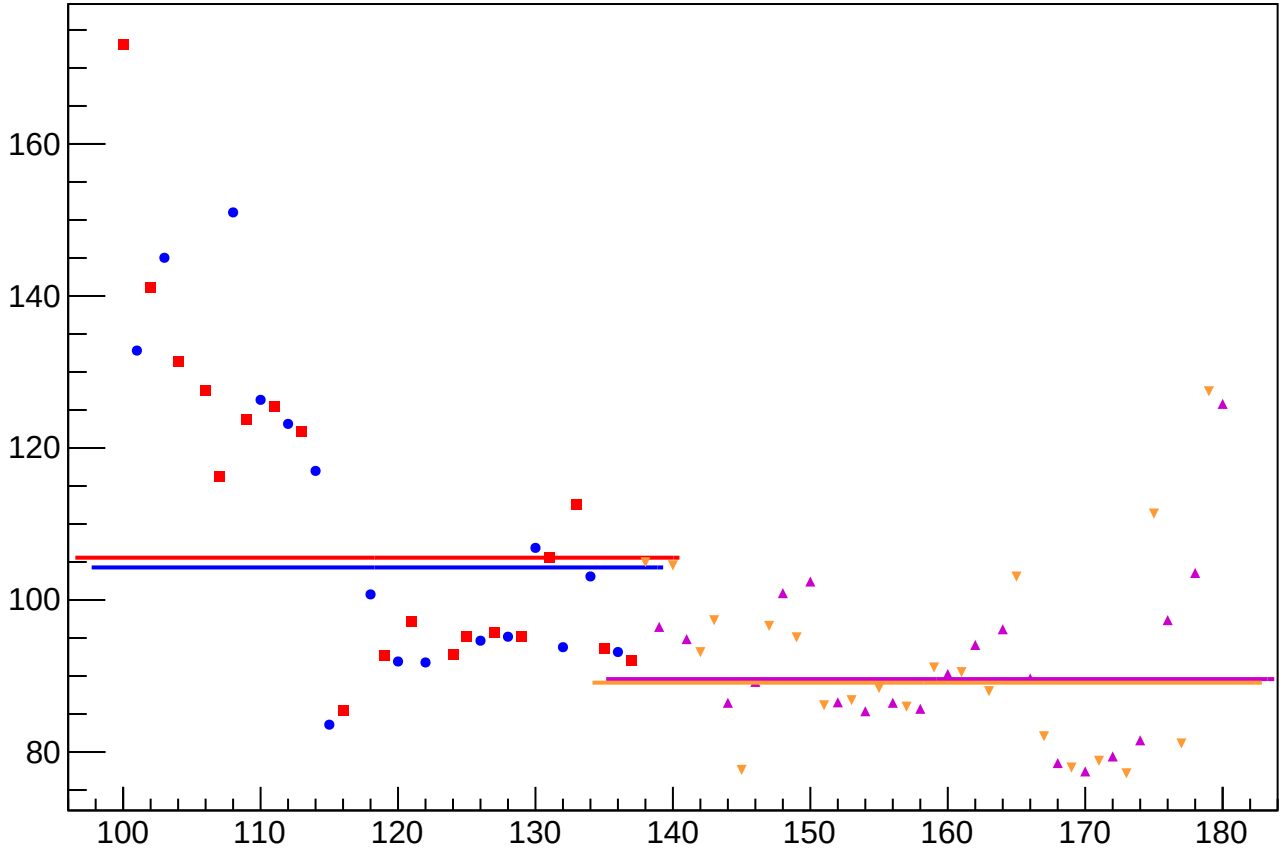
Left In: -8.342+/-21.864 χ^2/NDF:21.6/20

+ sign 18.526+/-18.924 χ^2/NDF: 53.9/37

All: -10.449+/-13.447 χ^2/NDF: 112.1/77

- 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: 89.122+/-0.015 χ^2/NDF:497684.9/21

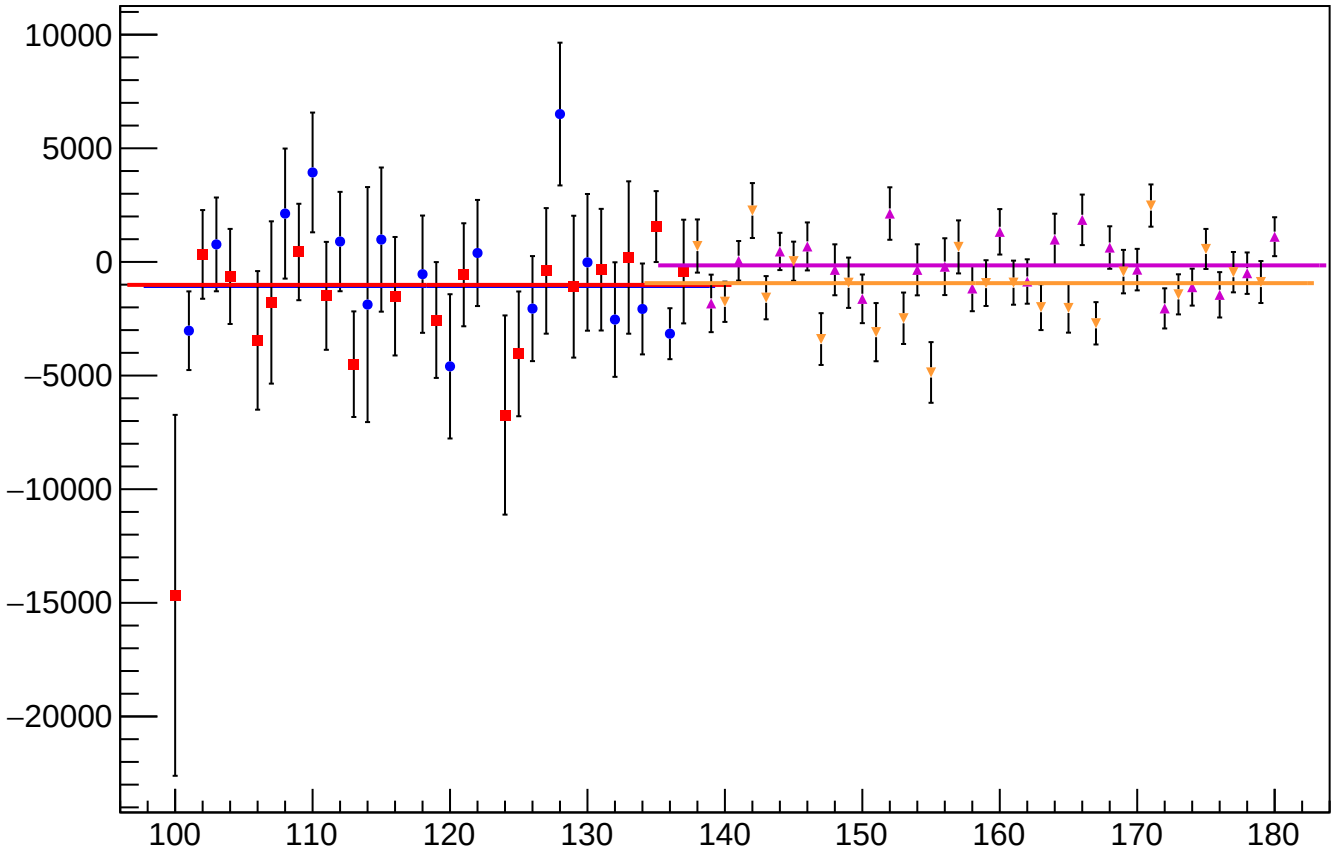
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 89.594+/-0.015 χ^2/NDF:387145.1/20

+ sign 92.612+/-0.013 χ^2/NDF: 1103511.1/37

All: 92.984+/-0.010 χ^2/NDF: 2088735.0/77

- 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: -933.730+/-214.583 χ^2/NDF:54.4/21

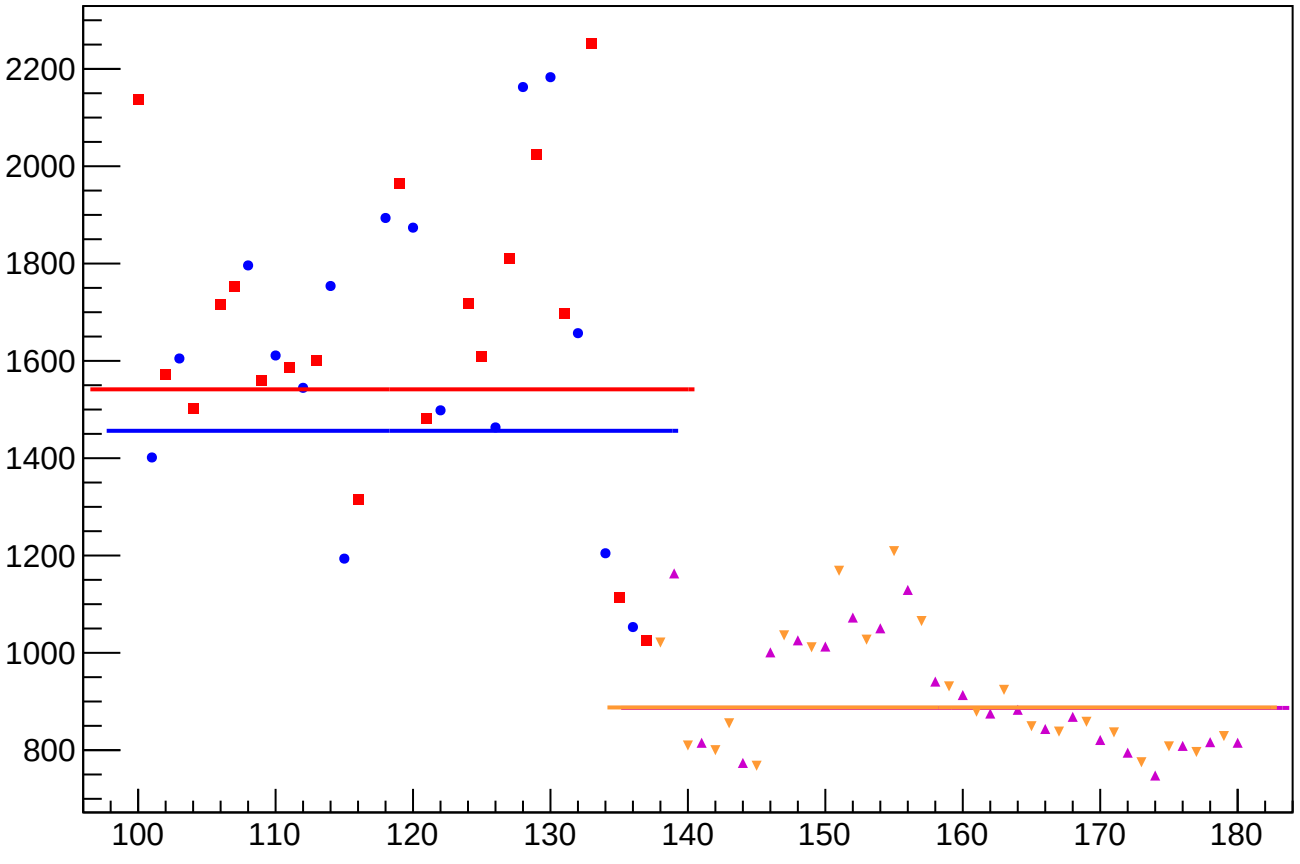
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -151.847+/-215.604 χ^2/NDF:27.5/20

+ sign -949.932+/-200.267 χ^2/NDF: 74.5/37

All: -606.540+/-142.178 χ^2/NDF: 123.2/77

- 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: 887.774+/-0.152 χ^2/NDF:541761.6/21

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

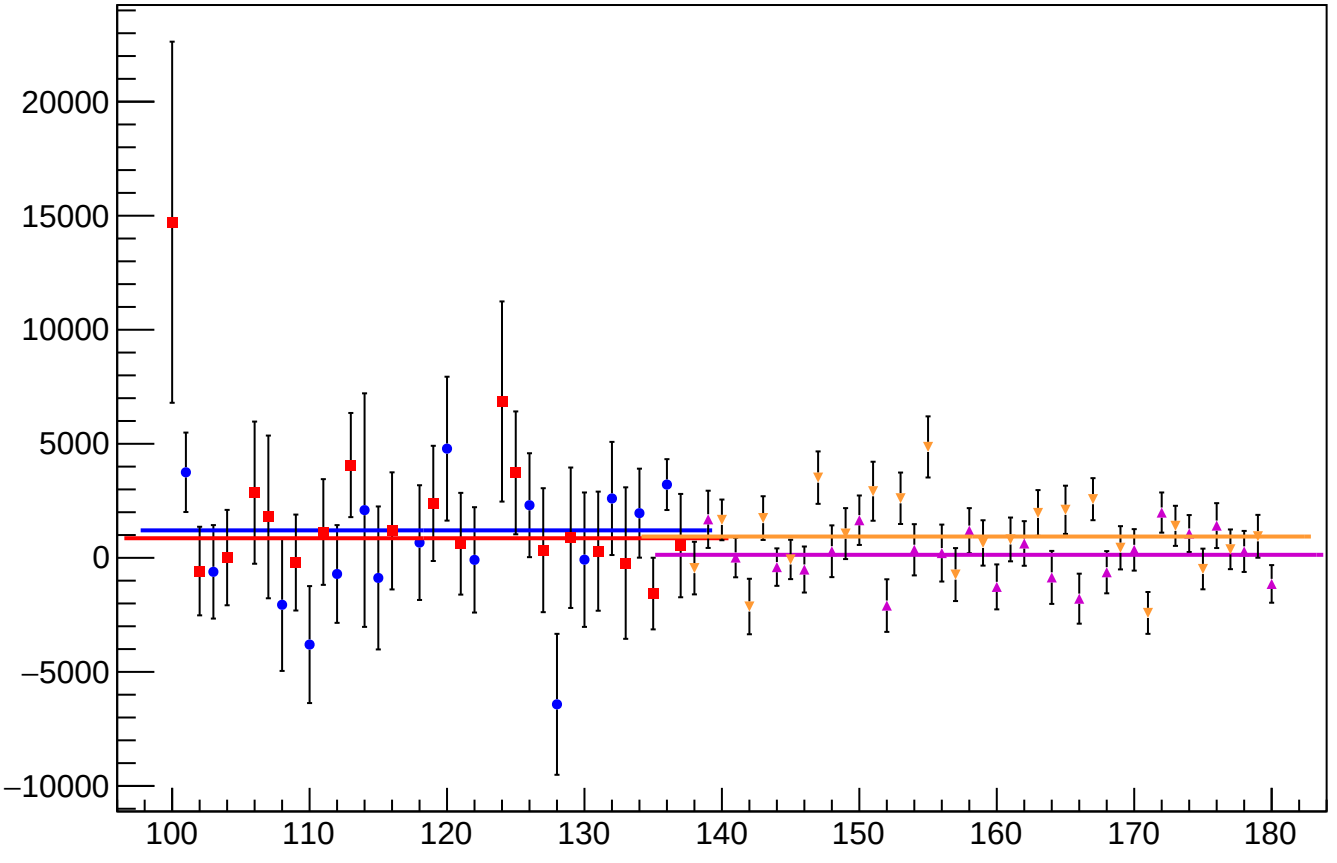
Left In: 886.806+/-0.152 χ^2/NDF:538303.9/20

\+ sign 961.100+/-0.142 χ^2/NDF: 3037270.5/37

All: 964.267+/-0.101 χ^2/NDF: 6368574.4/77

\- sign 967.486+/-0.143 χ^2/NDF: 3330295.4/39

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 934.079+/-214.042 χ^2/NDF:53.2/21

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

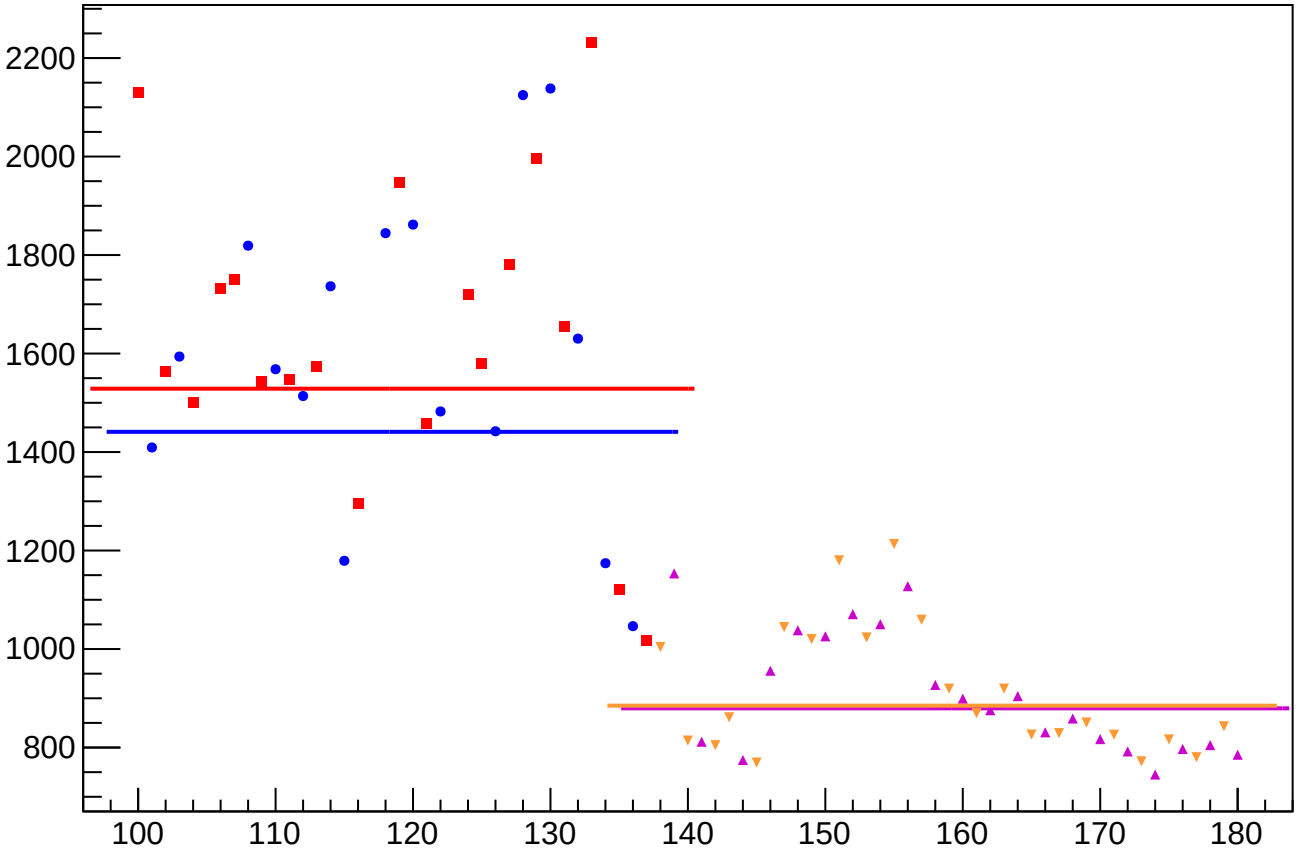
Left In: 132.589+/-213.954 χ^2/NDF:26.0/20

+ sign 969.479+/-199.551 χ^2/NDF: 74.6/37

All: 597.297+/-141.377 χ^2/NDF: 121.5/77

- 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: 885.022+/-0.151 χ^2/NDF:554373.4/21

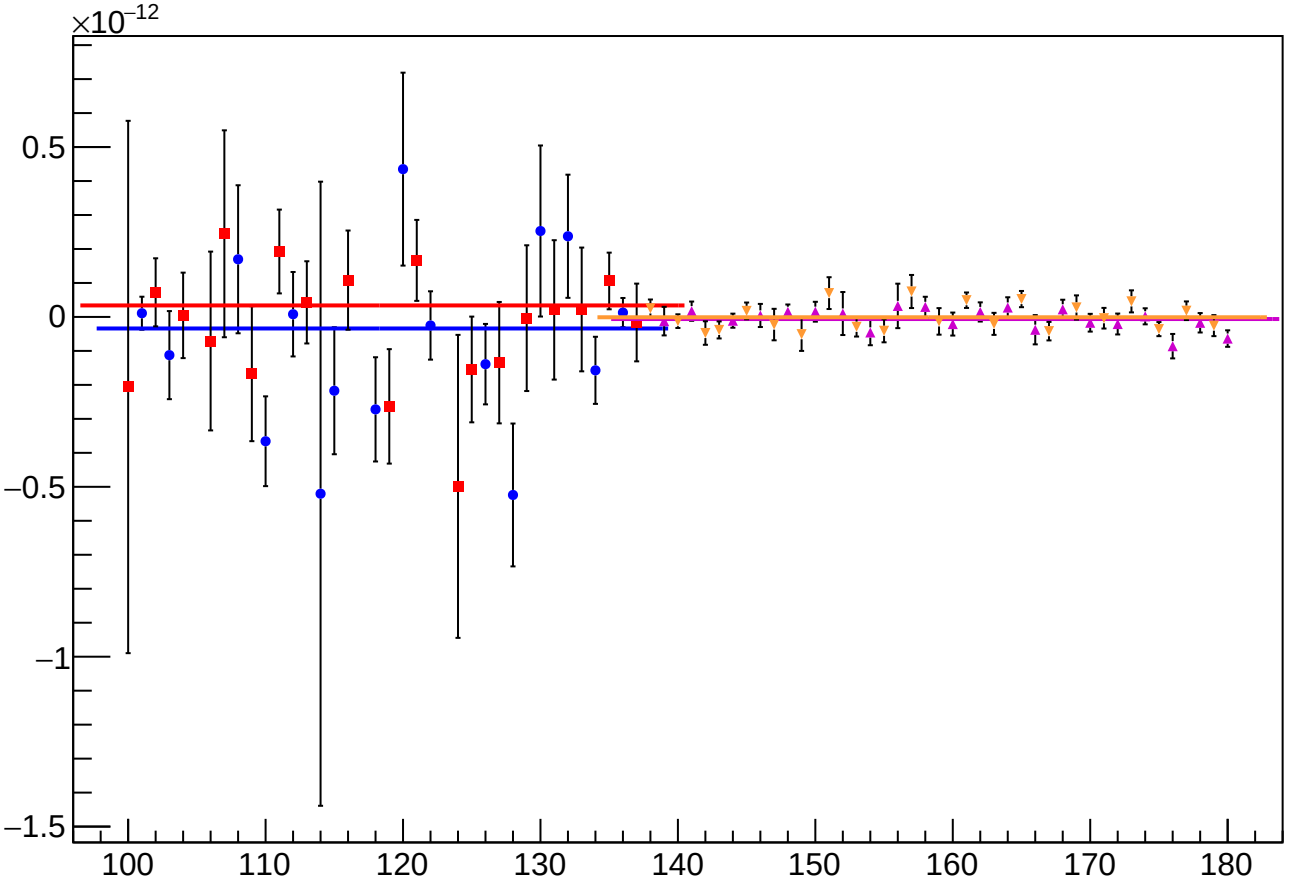
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 879.578+/-0.151 χ^2/NDF:556868.2/20

+ sign 957.756+/-0.141 χ^2/NDF: 2990455.2/37

All: 958.693+/-0.100 χ^2/NDF: 6319524.2/77

- 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:33.5/21

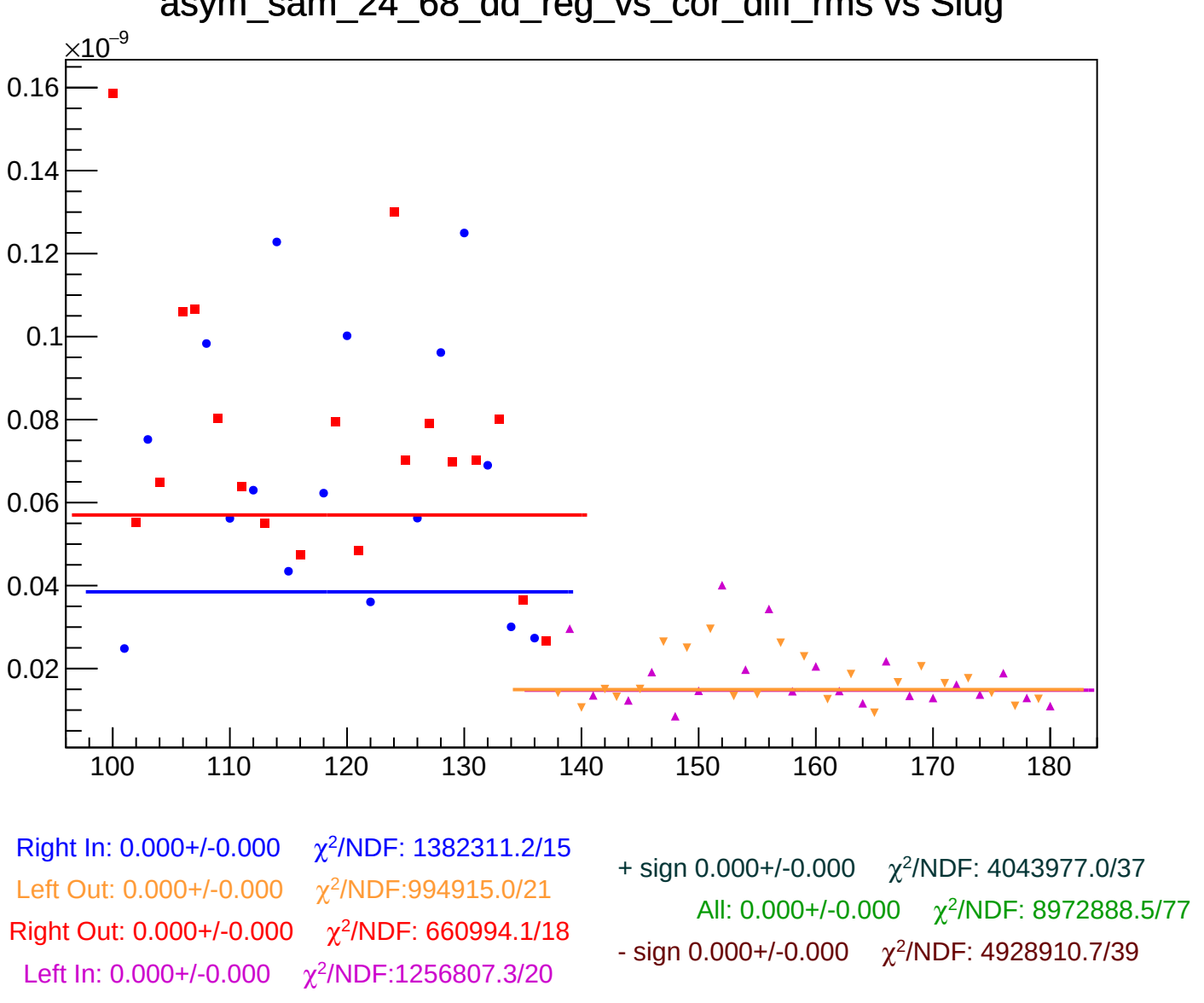
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:20.1/20

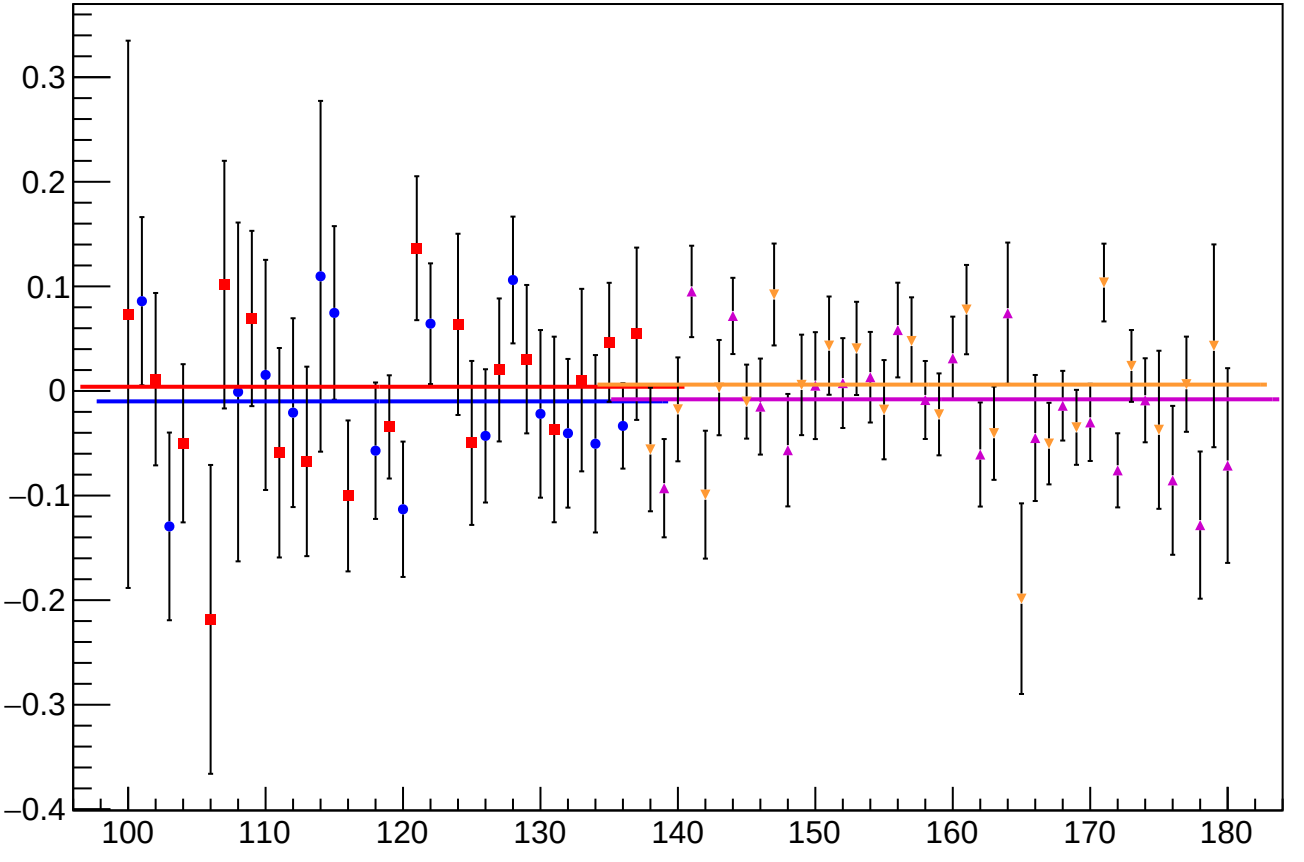
+ sign -0.000+/-0.000 χ^2/NDF: 62.6/37

All: -0.000+/-0.000 χ^2/NDF: 97.0/77

- sign -0.000+/-0.000 χ^2/NDF: 34.4/39


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:994915.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1256807.3/20
+ sign 0.000+/-0.000 χ²/NDF: 4043977.0/37
All: 0.000+/-0.000 χ²/NDF: 8972888.5/77
- sign 0.000+/-0.000 χ²/NDF: 4928910.7/39

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

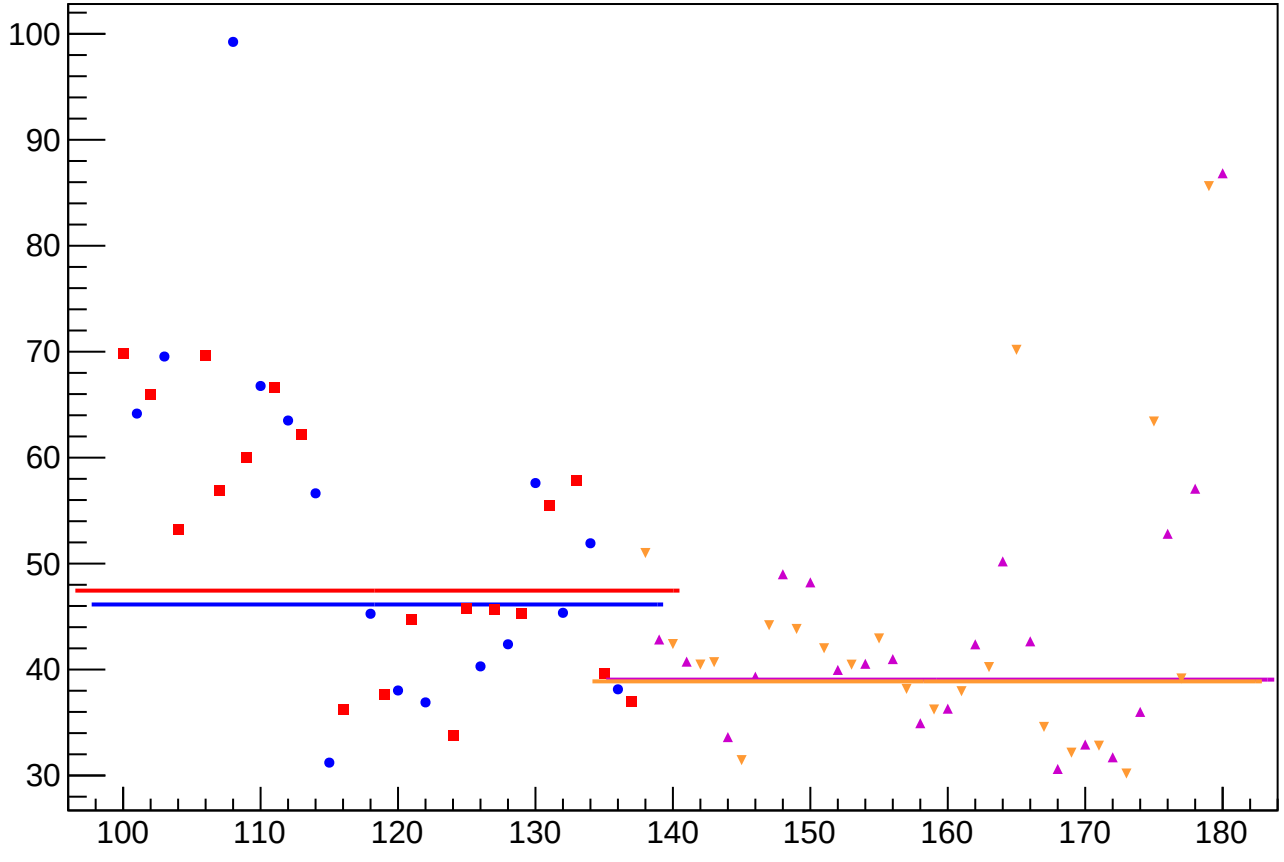
Left In: -0.008+/-0.010 χ^2/NDF:29.6/20

+ sign 0.002+/-0.009 χ^2/NDF: 45.5/37

All: -0.001+/-0.006 χ^2/NDF: 89.7/77

- 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: 38.884+/-0.007 χ^2/NDF:1457952.8/21

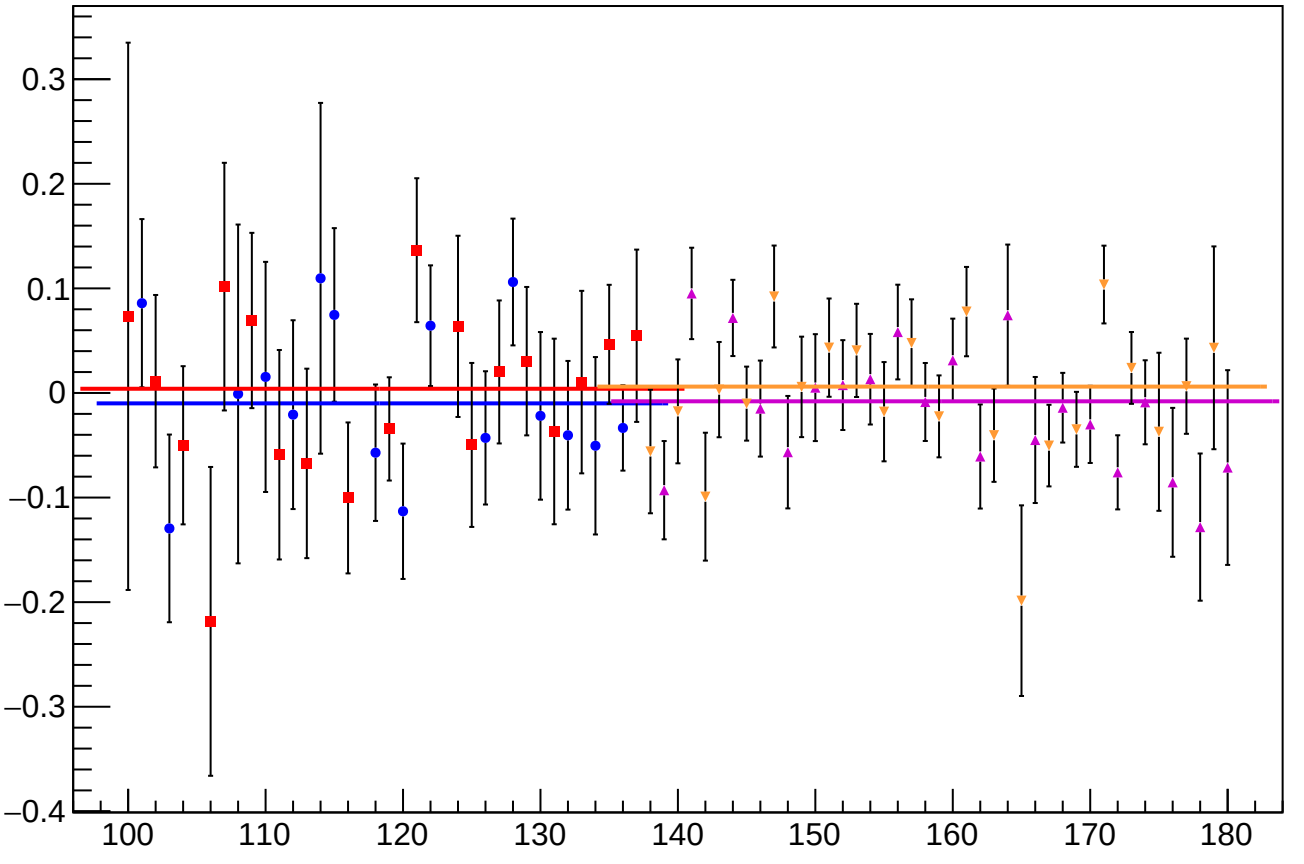
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.049+/-0.007 χ^2/NDF:1318240.8/20

+ sign 40.514+/-0.006 χ^2/NDF: 2613540.6/37

All: 40.738+/-0.004 χ^2/NDF: 4921874.4/77

- 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:30.6/21

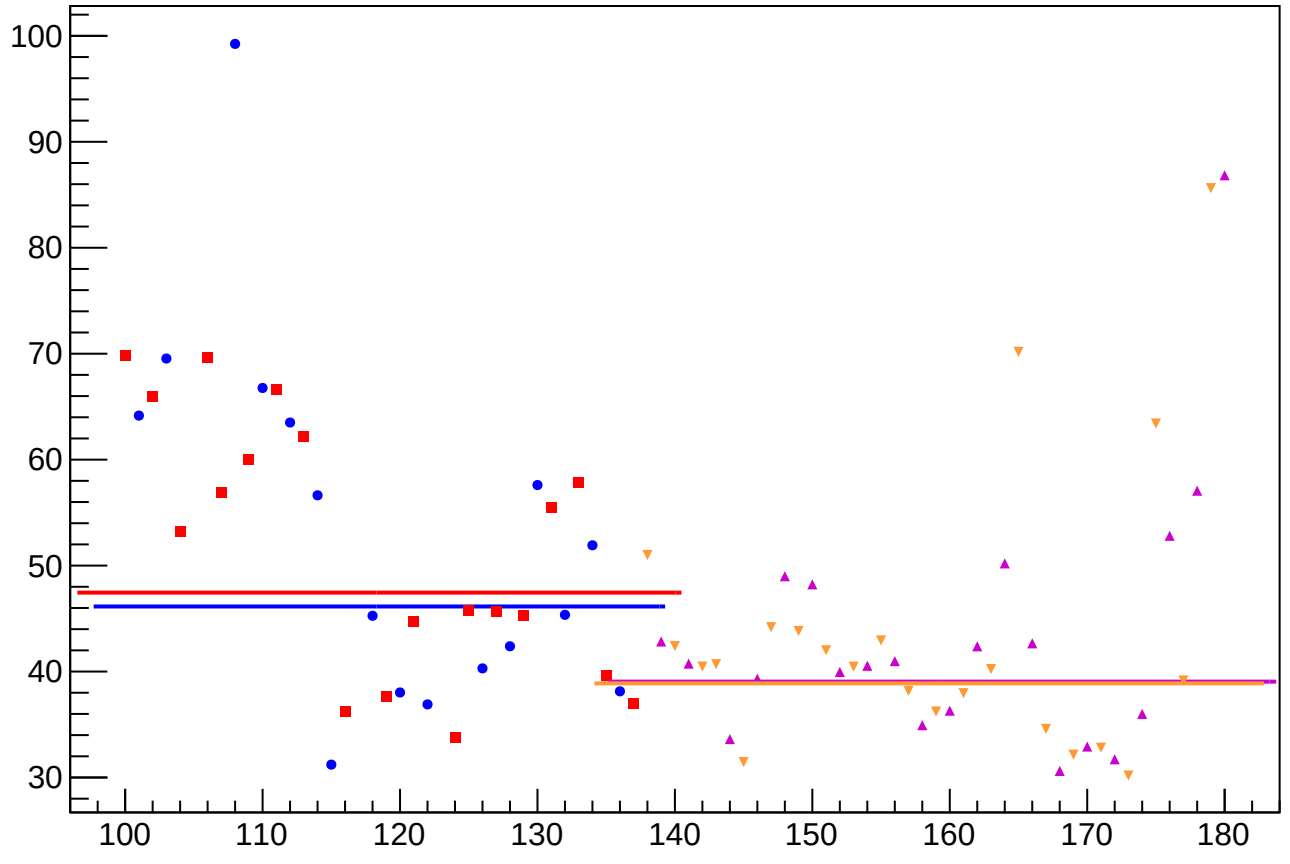
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.010 χ^2/NDF:29.6/20

+ sign 0.002+/-0.009 χ^2/NDF: 45.5/37

All: -0.001+/-0.006 χ^2/NDF: 89.7/77

- 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: 38.884+/-0.007 χ^2/NDF:1457952.8/21

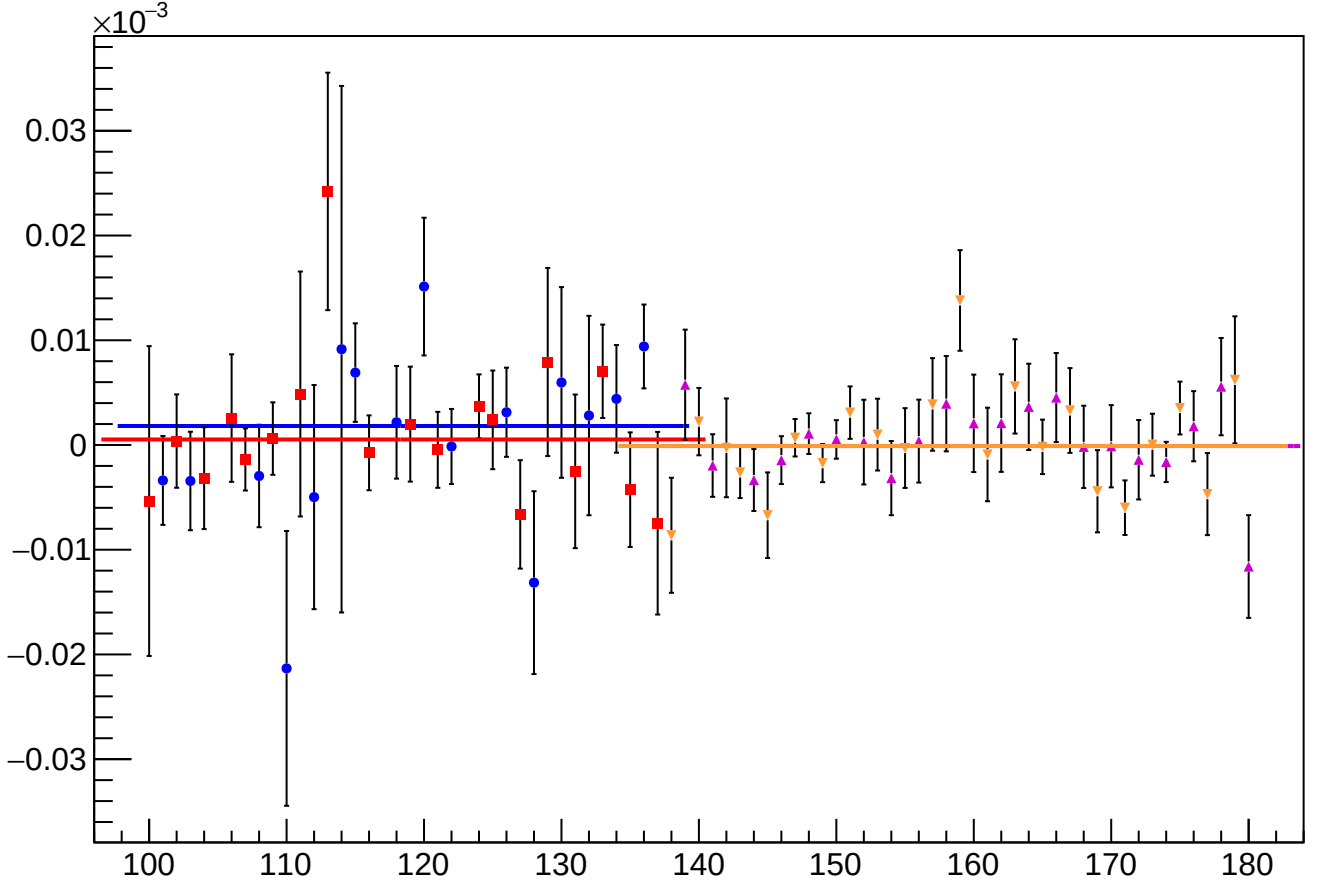
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.049+/-0.007 χ^2/NDF:1318240.8/20

+ sign 40.514+/-0.006 χ^2/NDF: 2613540.6/37

All: 40.738+/-0.004 χ^2/NDF: 4921874.4/77

- 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:31.7/21

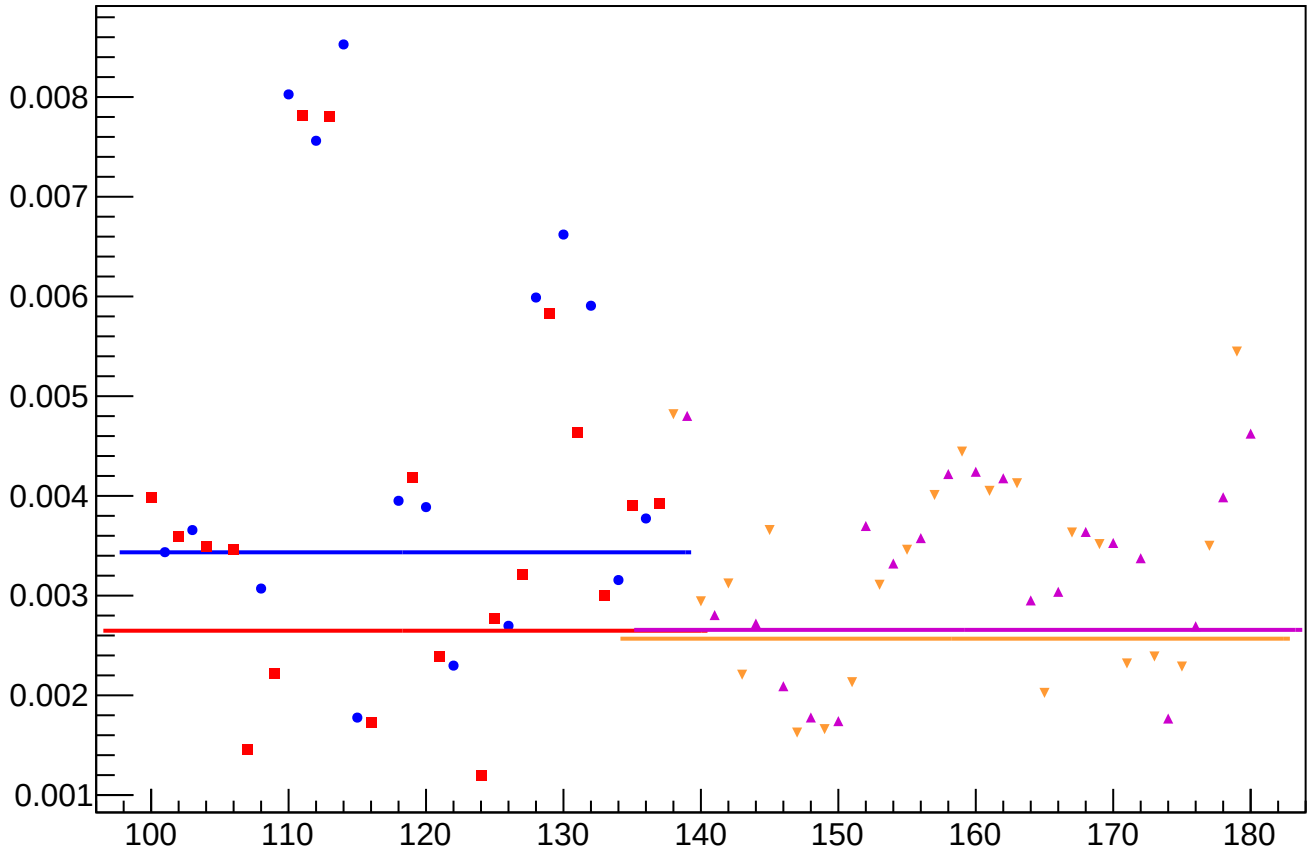
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 53.2/37

All: 0.000+/-0.000 χ^2/NDF: 83.0/77

- 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:3782069.3/21

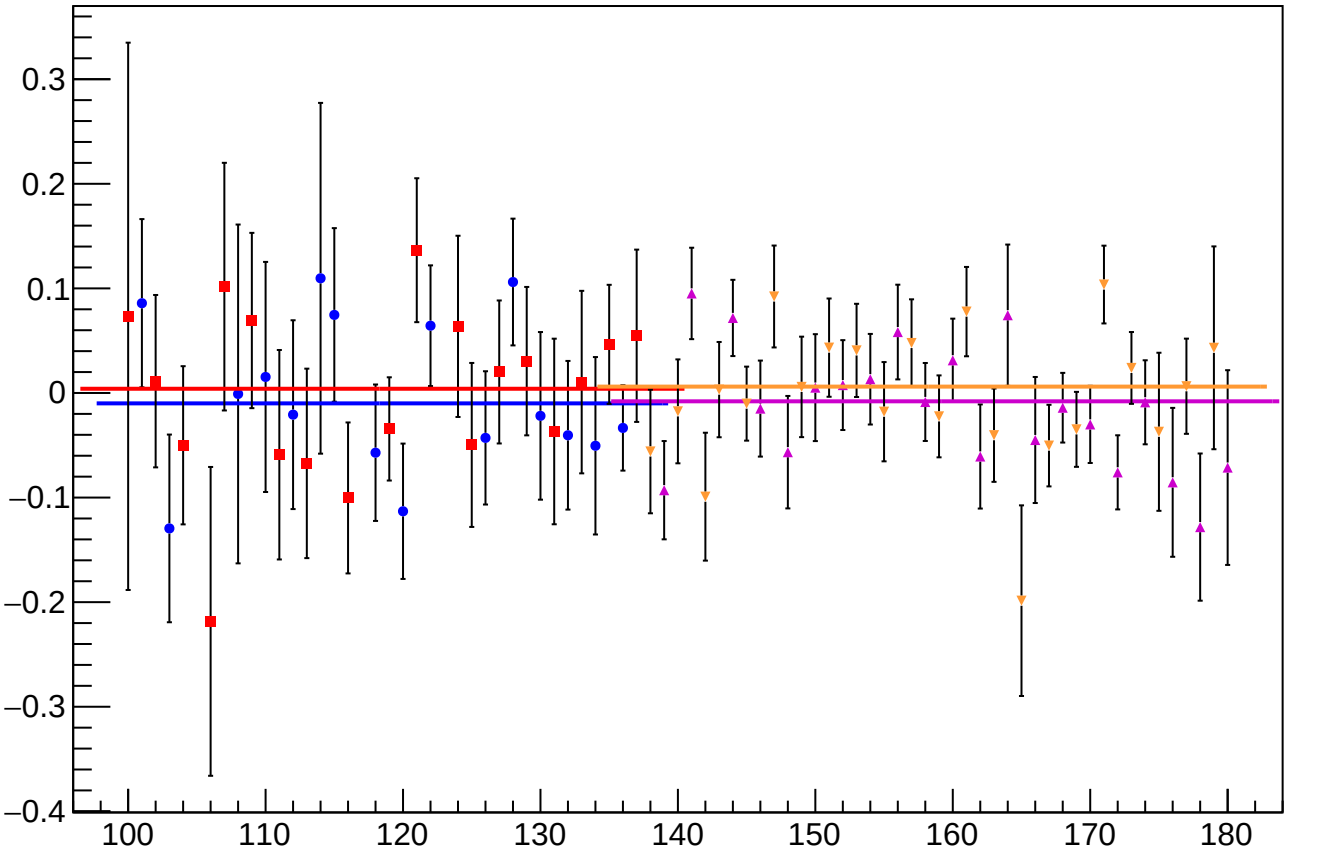
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3591641.1/20

+ sign 0.003+/-0.000 χ^2/NDF: 6178375.2/37

All: 0.003+/-0.000 χ^2/NDF: 12483735.4/77

- 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:30.6/21

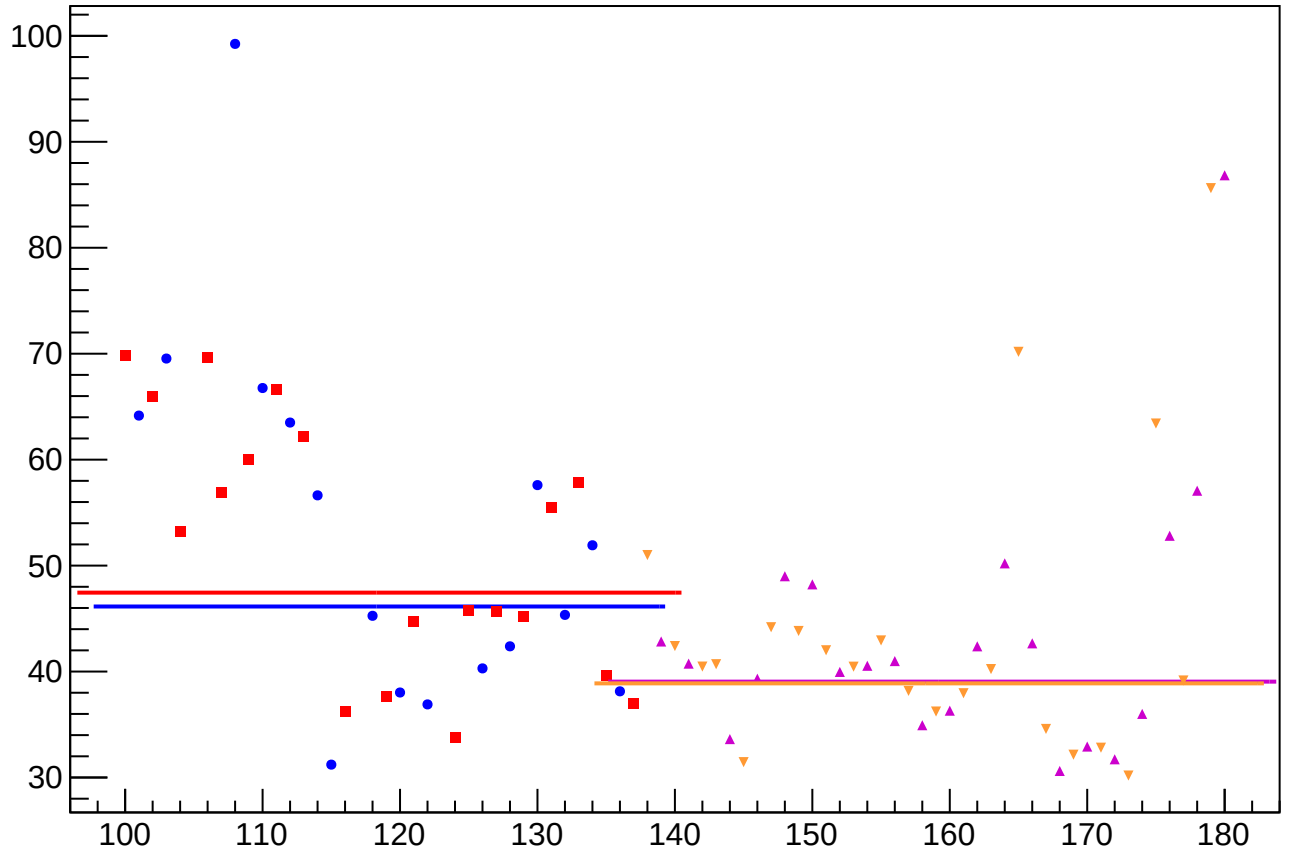
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.010 χ^2/NDF:29.6/20

+ sign 0.002+/-0.009 χ^2/NDF: 45.5/37

All: -0.001+/-0.006 χ^2/NDF: 89.7/77

- 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: 38.884+/-0.007 χ^2/NDF:1457999.7/21

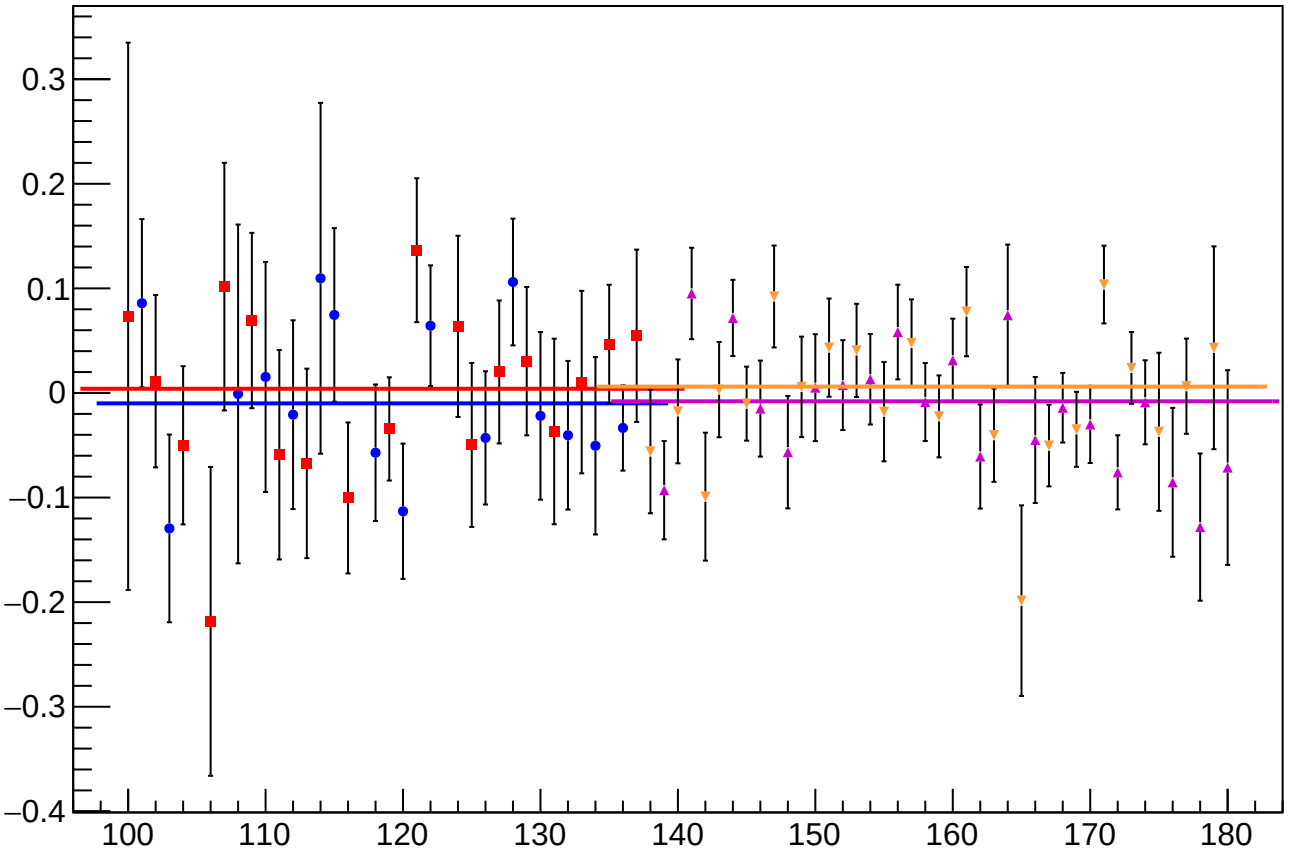
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.049+/-0.007 χ^2/NDF:1318267.3/20

+ sign 40.514+/-0.006 χ^2/NDF: 2613456.2/37

All: 40.738+/-0.004 χ^2/NDF: 4921741.4/77

- 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:30.6/21

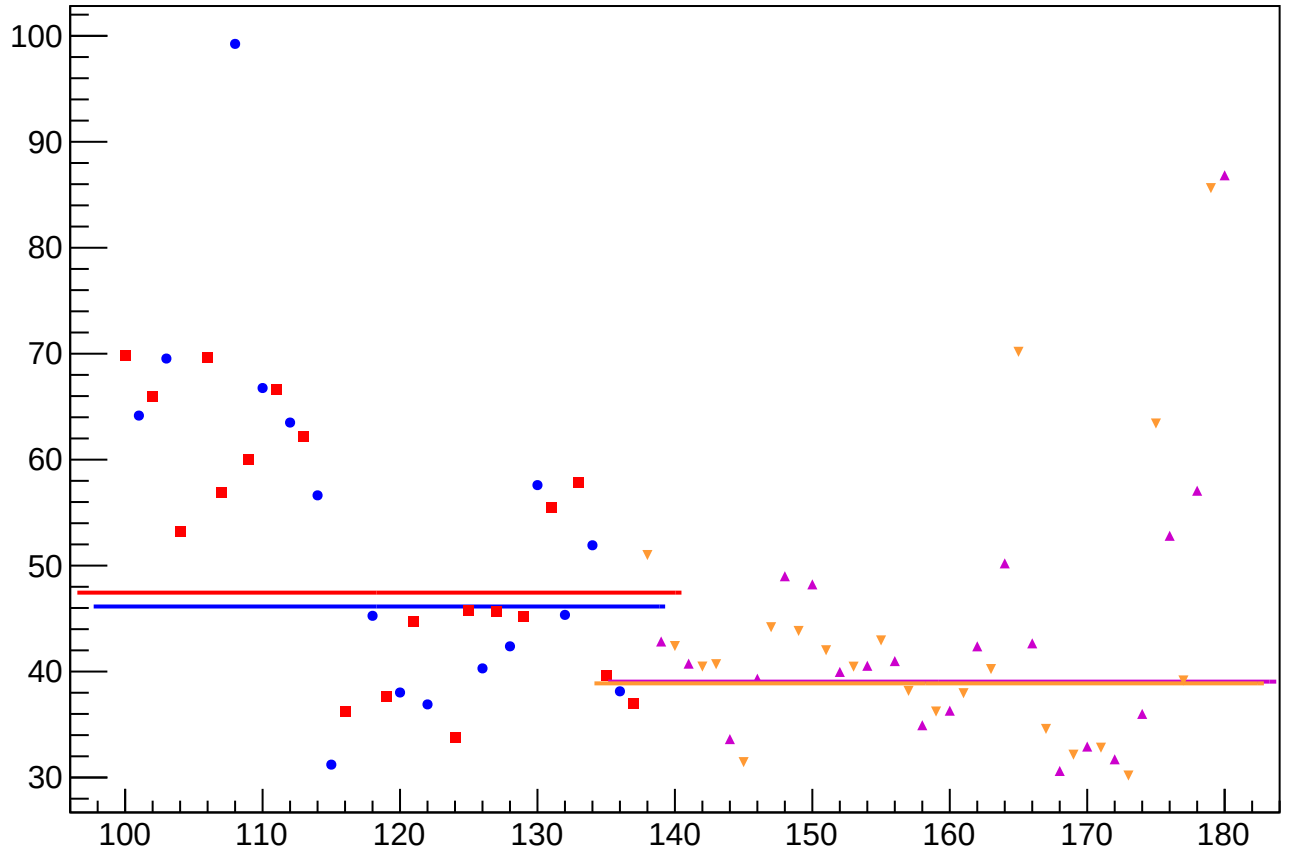
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.010 χ^2/NDF:29.6/20

+ sign 0.002+/-0.009 χ^2/NDF: 45.5/37

All: -0.001+/-0.006 χ^2/NDF: 89.7/77

- 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: 38.884+/-0.007 χ^2/NDF:1457999.7/21

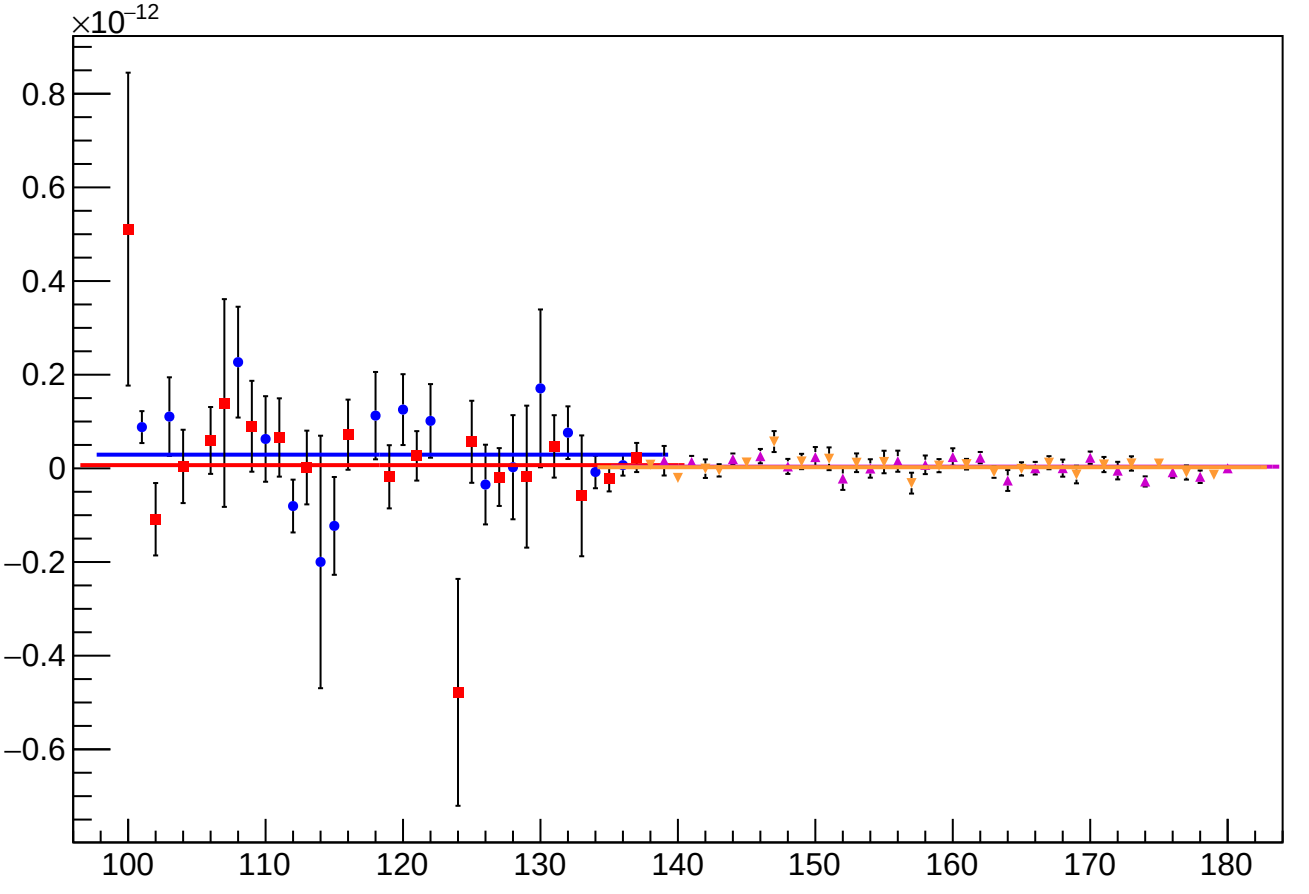
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.049+/-0.007 χ^2/NDF:1318267.3/20

+ sign 40.514+/-0.006 χ^2/NDF: 2613456.2/37

All: 40.738+/-0.004 χ^2/NDF: 4921741.4/77

- 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:22.5/21

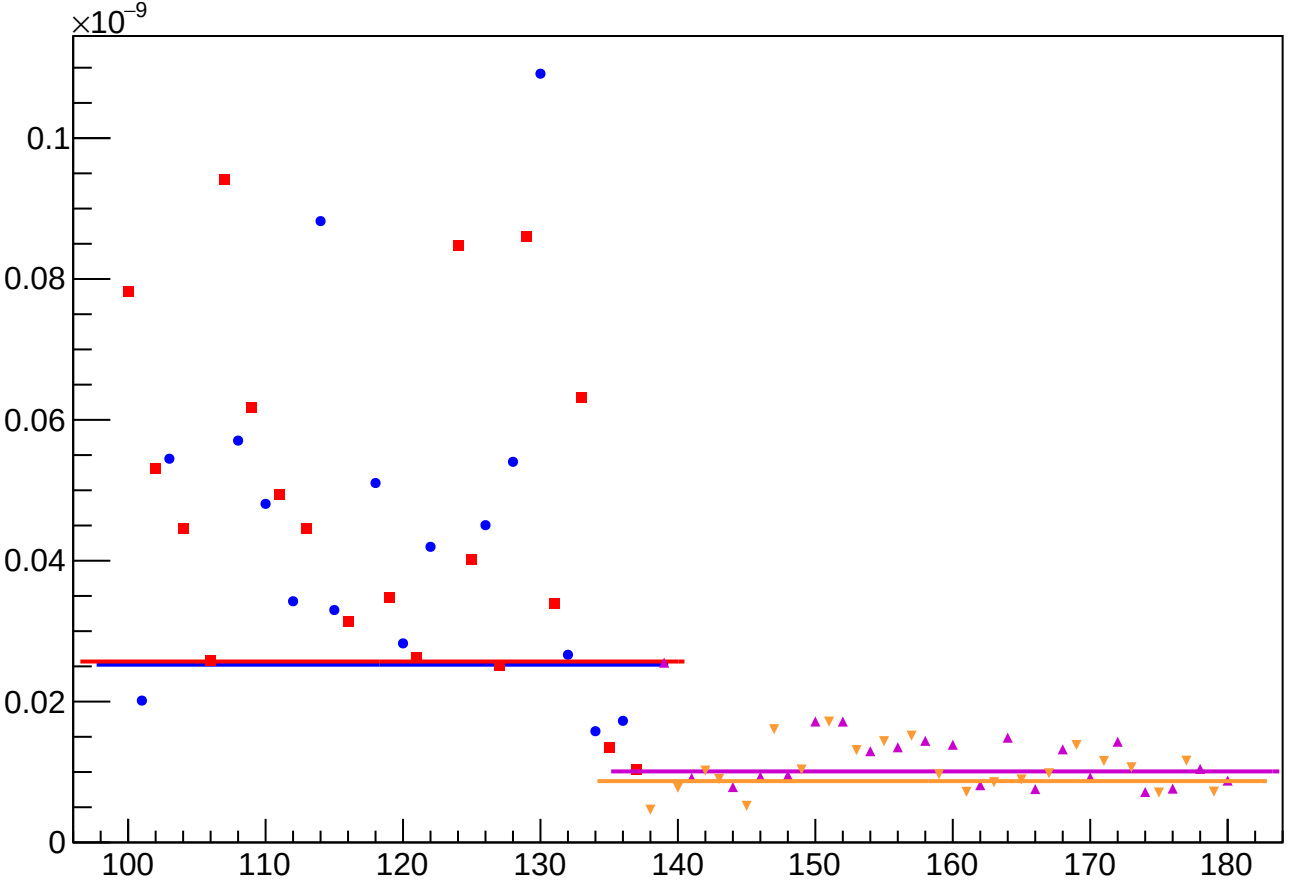
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/37

All: 0.000+/-0.000 χ^2/NDF: 88.5/77

- 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:1970064.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

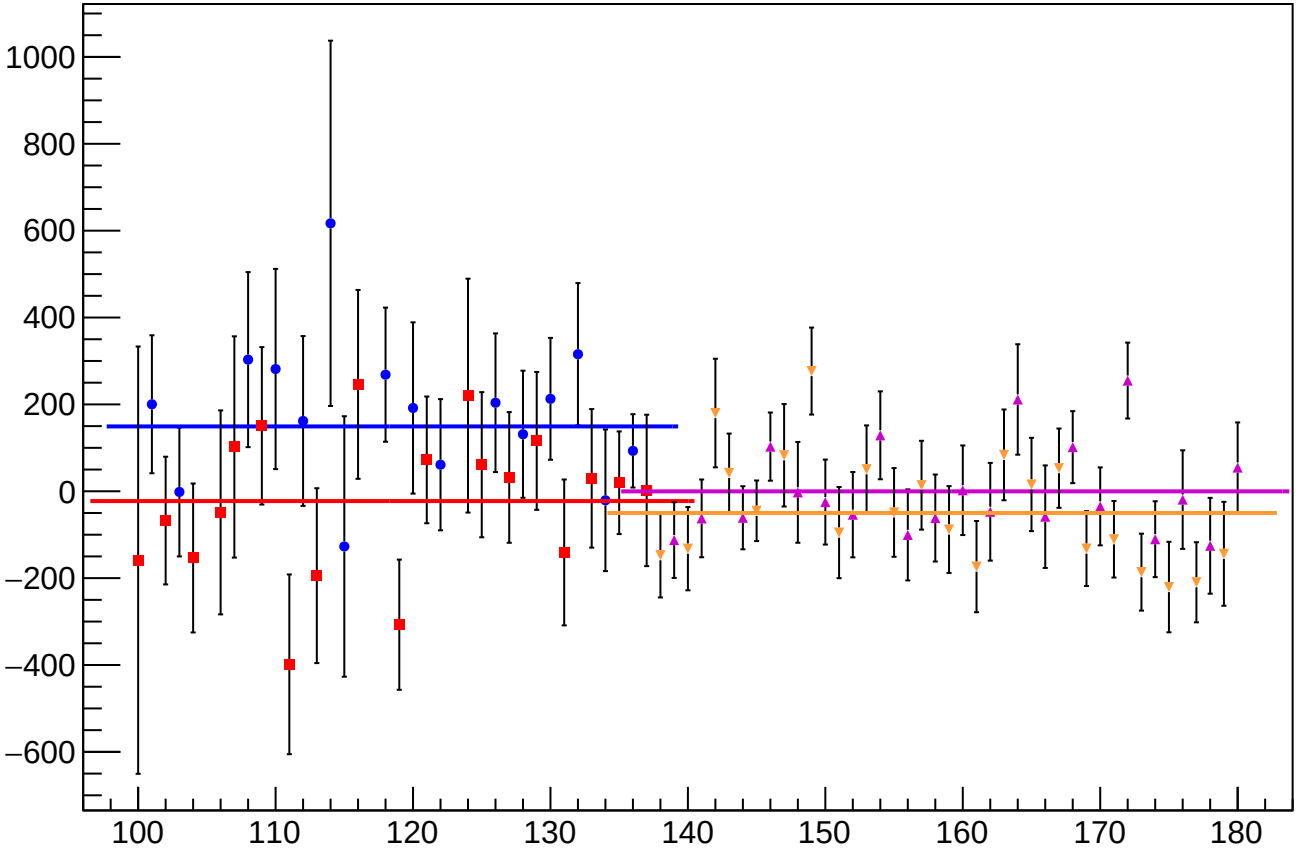
Left In: 0.000+/-0.000 χ^2/NDF:1862085.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 6945747.6/37

All: 0.000+/-0.000 χ^2/NDF: 14064943.7/77

- 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: -49.975+/-20.773 χ^2/NDF:34.5/21

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

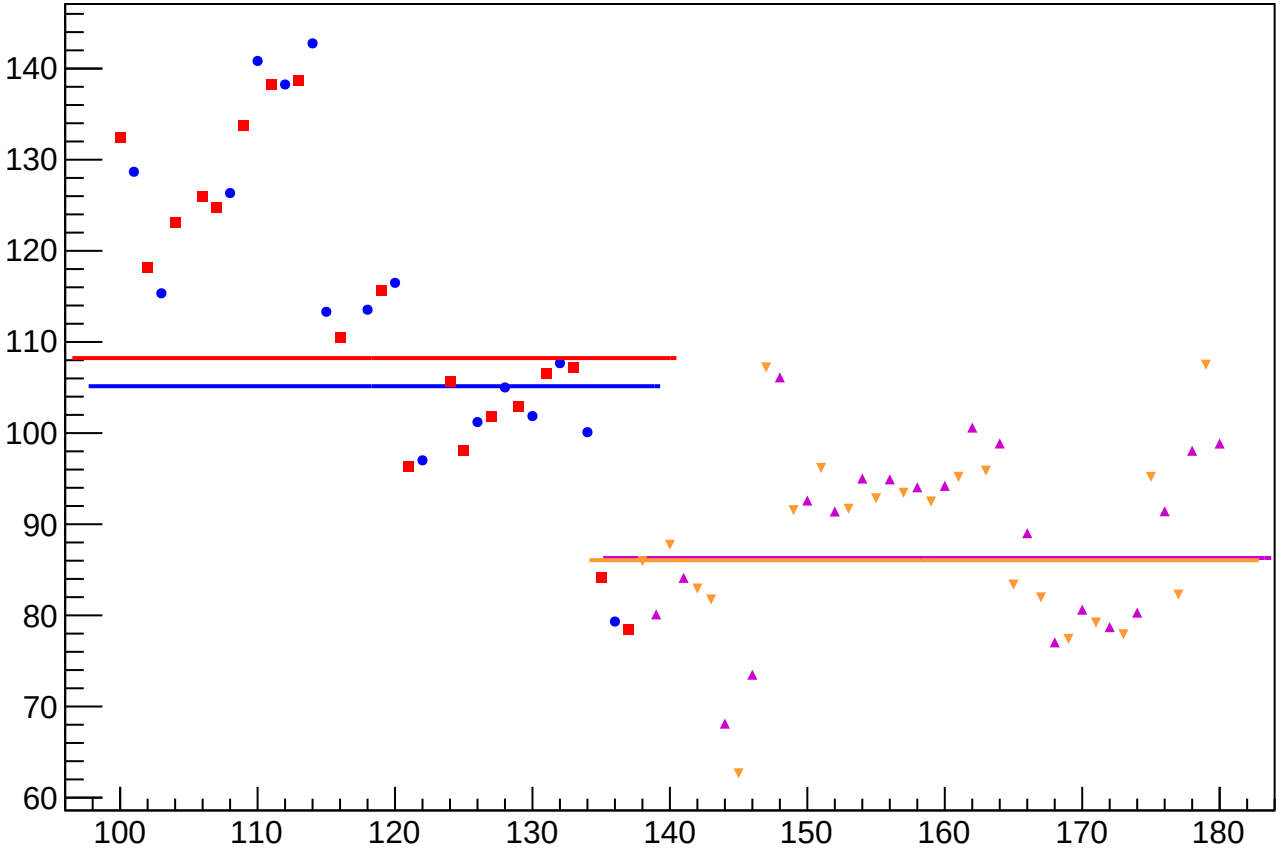
Left In: -0.229+/-20.989 χ^2/NDF:24.4/20

\+ sign -7.119+/-18.405 χ^2/NDF: 62.3/37

All: -6.085+/-13.081 χ^2/NDF: 101.2/77

\- 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: 86.058+/-0.015 χ^2/NDF:524031.9/21

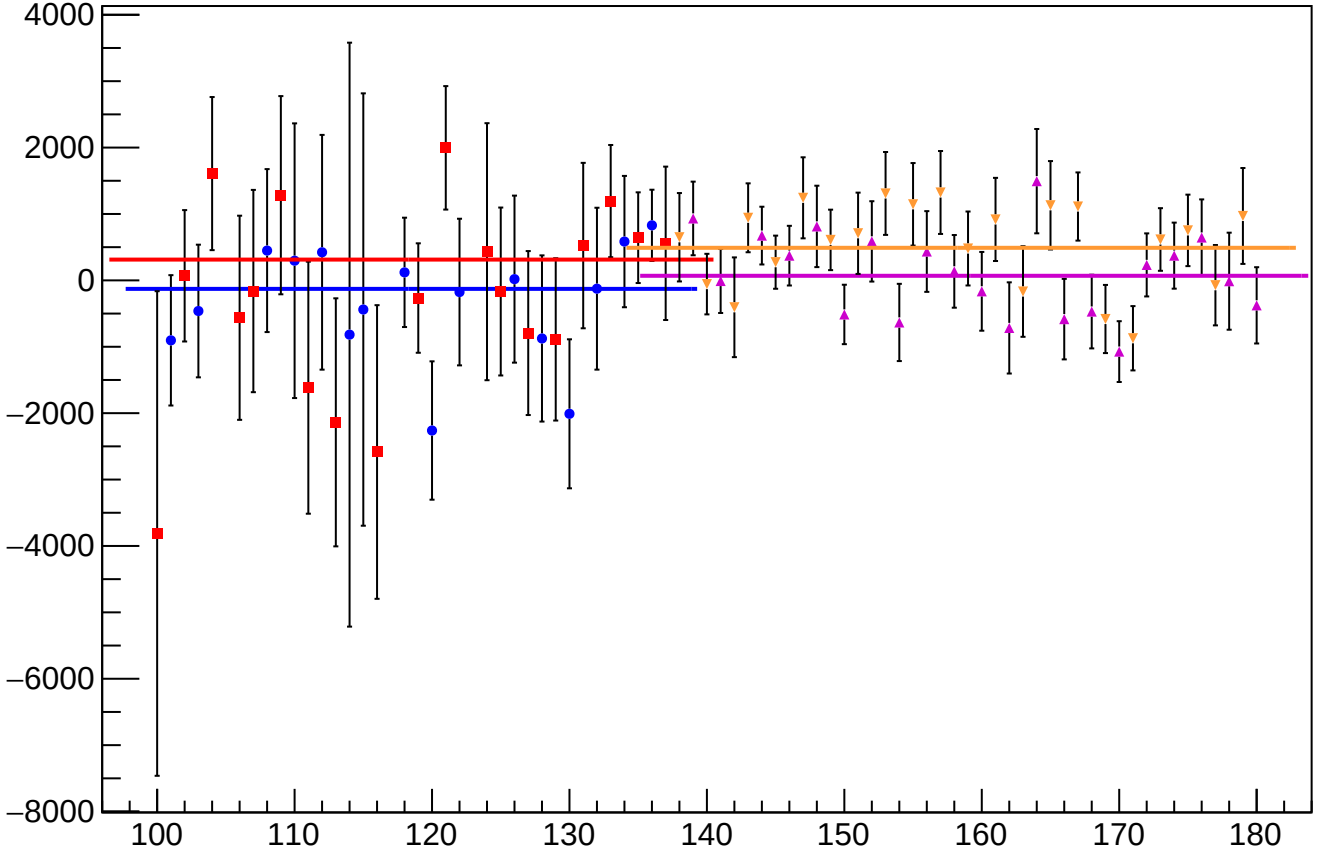
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 86.300+/-0.015 χ^2/NDF:480533.6/20

+ sign 90.163+/-0.013 χ^2/NDF: 1295598.7/37

All: 90.585+/-0.009 χ^2/NDF: 2597836.7/77

- 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: 490.442+/-118.409 χ^2/NDF:28.0/21

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

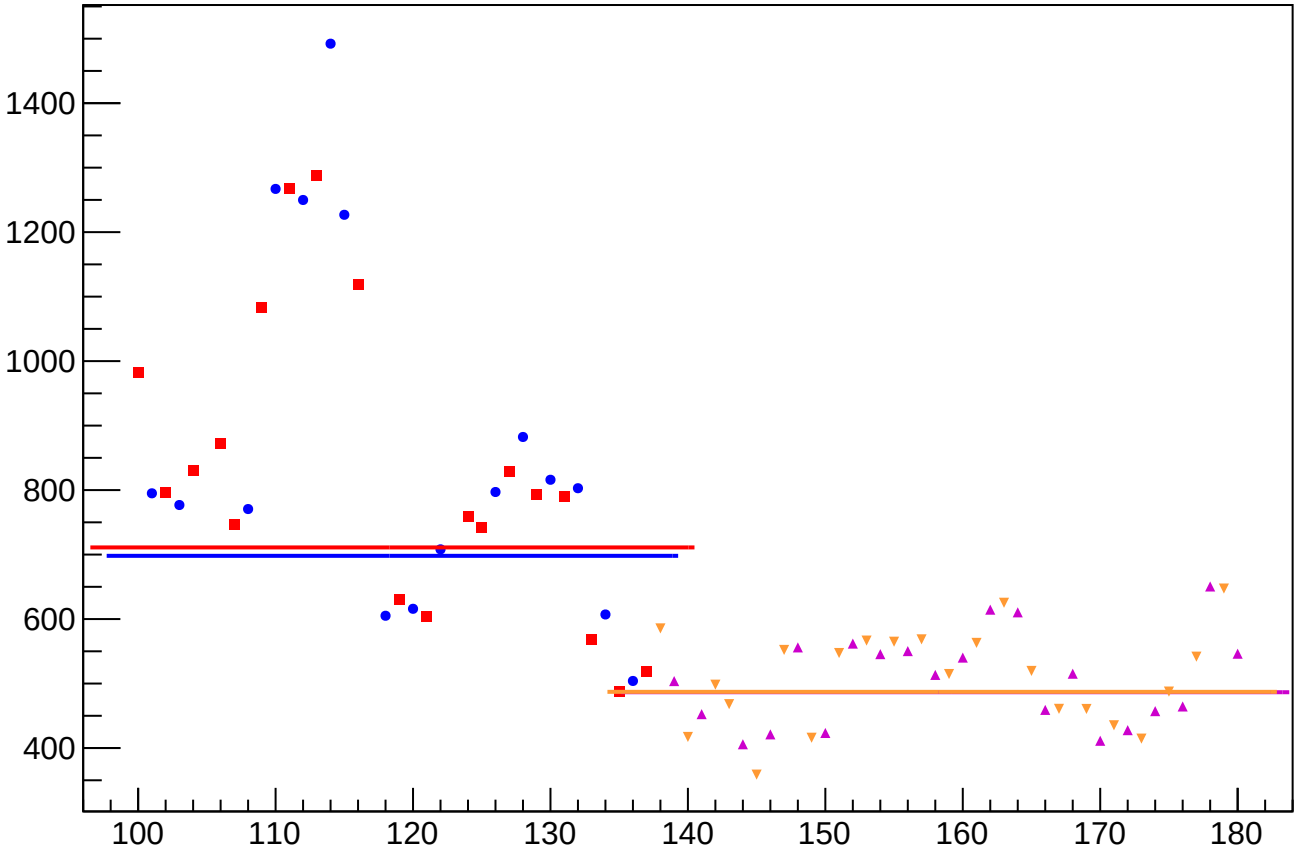
Left In: 69.044+/-118.742 χ^2/NDF:25.8/20

+ sign 389.810+/-108.348 χ^2/NDF: 44.7/37

All: 249.642+/-76.739 χ^2/NDF: 89.5/77

- 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: 487.140+/-0.084 χ^2/NDF:804793.2/21

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

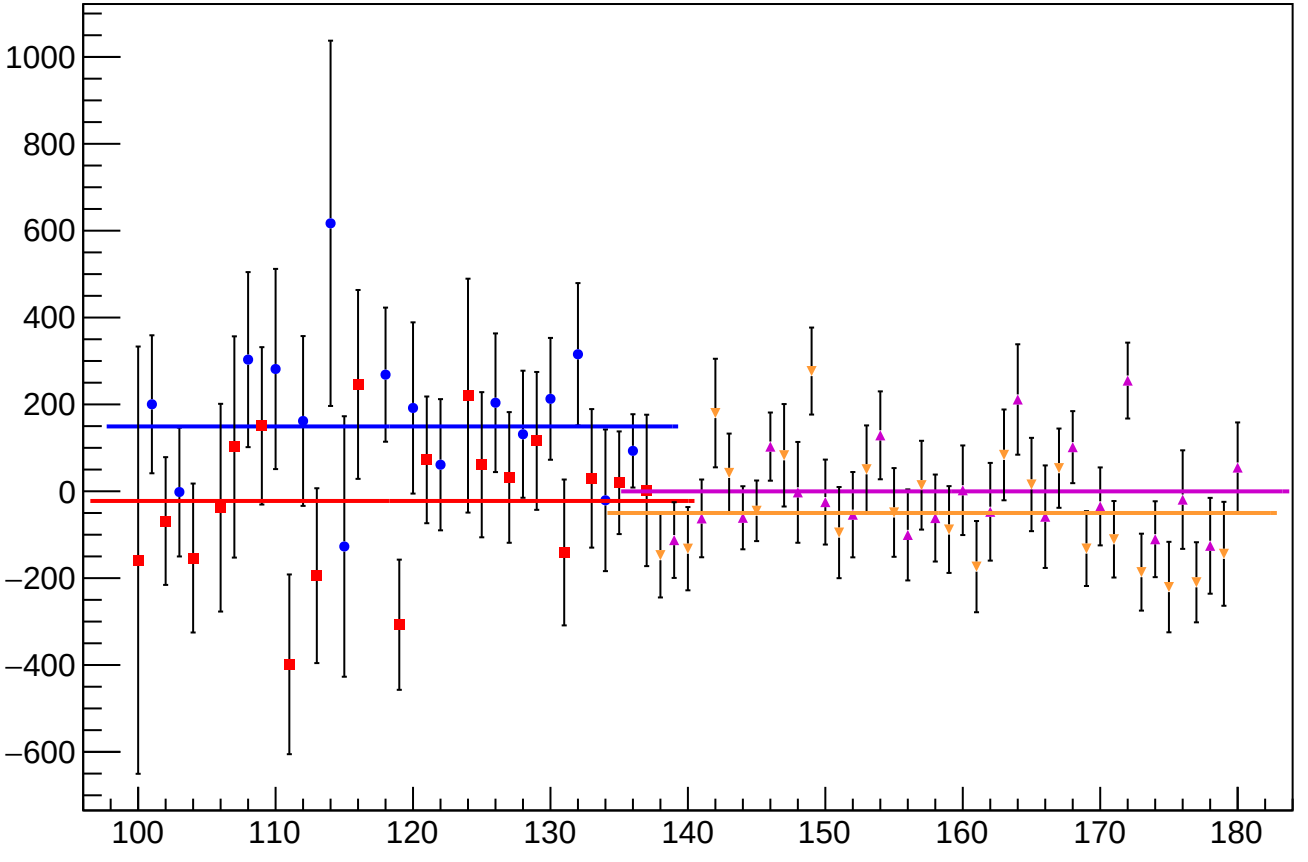
Left In: 486.537+/-0.084 χ^2/NDF:629246.3/20

+ sign 521.457+/-0.077 χ^2/NDF: 2750104.5/37

All: 522.176+/-0.054 χ^2/NDF: 5572861.4/77

- 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: -49.979+/-20.773 χ^2/NDF:34.5/21

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

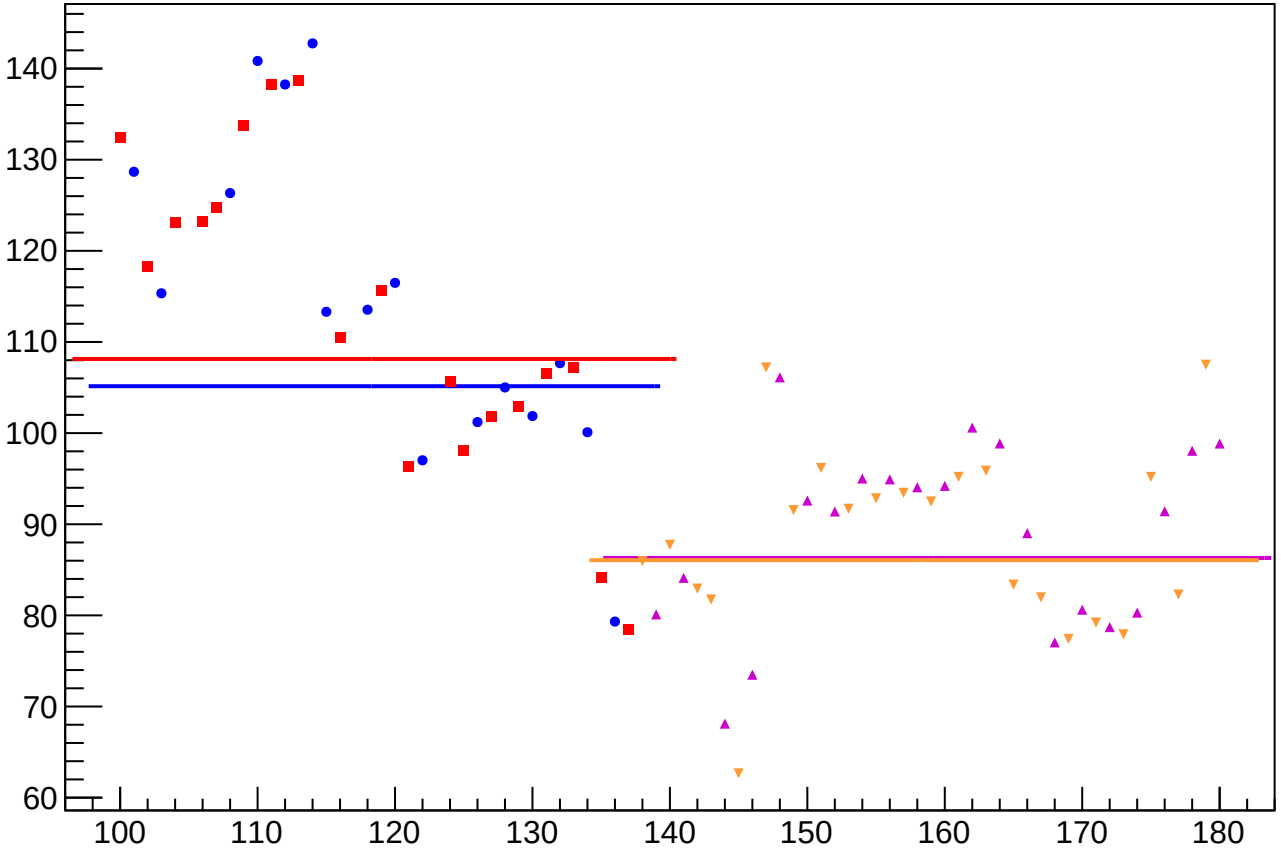
Left In: -0.228+/-20.989 χ^2/NDF:24.4/20

\+ sign -7.124+/-18.405 χ^2/NDF: 62.3/37

All: -6.058+/-13.082 χ^2/NDF: 101.2/77

\- 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: 86.058+/-0.015 χ^2/NDF:524031.9/21

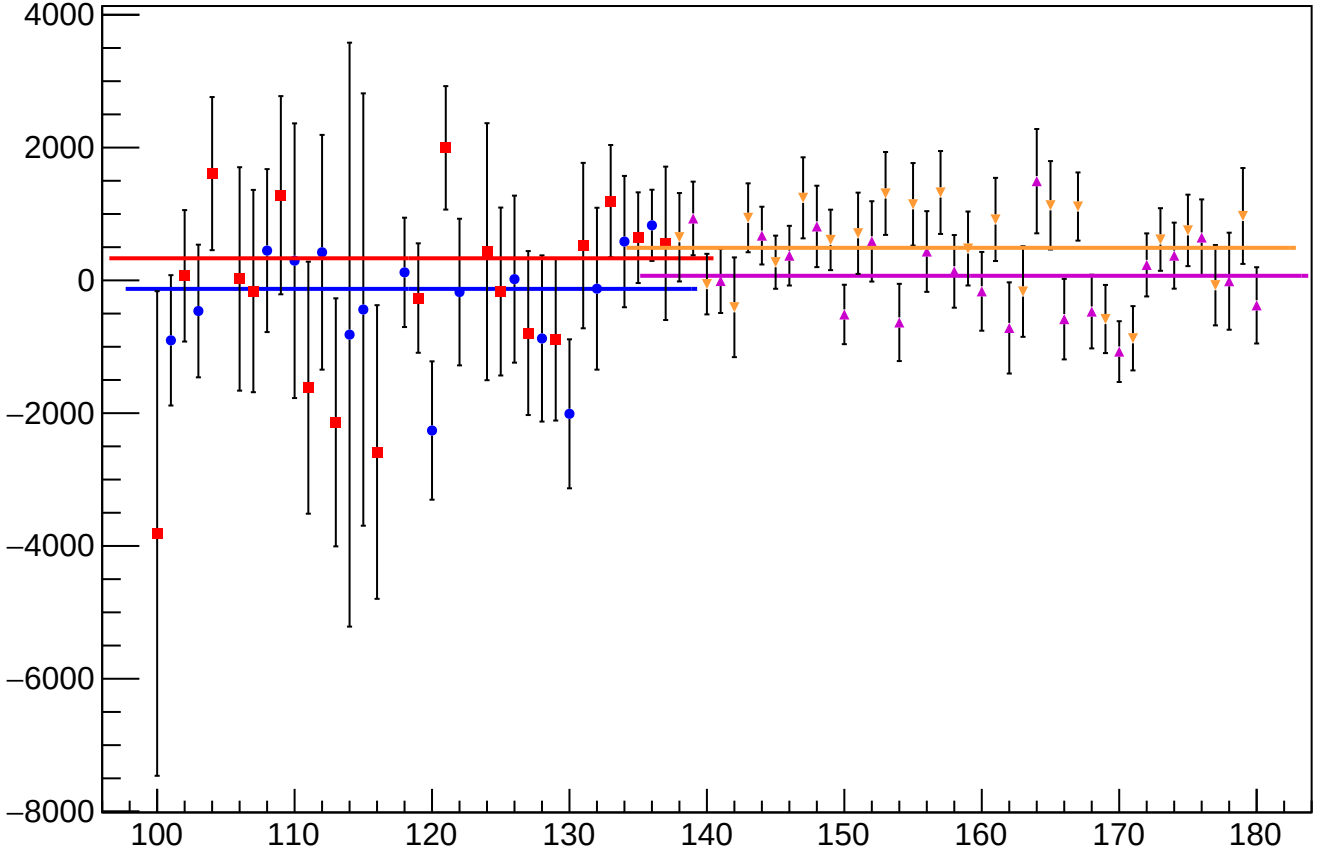
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.300+/-0.015 χ^2/NDF:480533.6/20

+ sign 90.163+/-0.013 χ^2/NDF: 1295599.1/37

All: 90.573+/-0.009 χ^2/NDF: 2589579.7/77

- 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: 490.440+/-118.409 χ^2/NDF:28.0/21

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

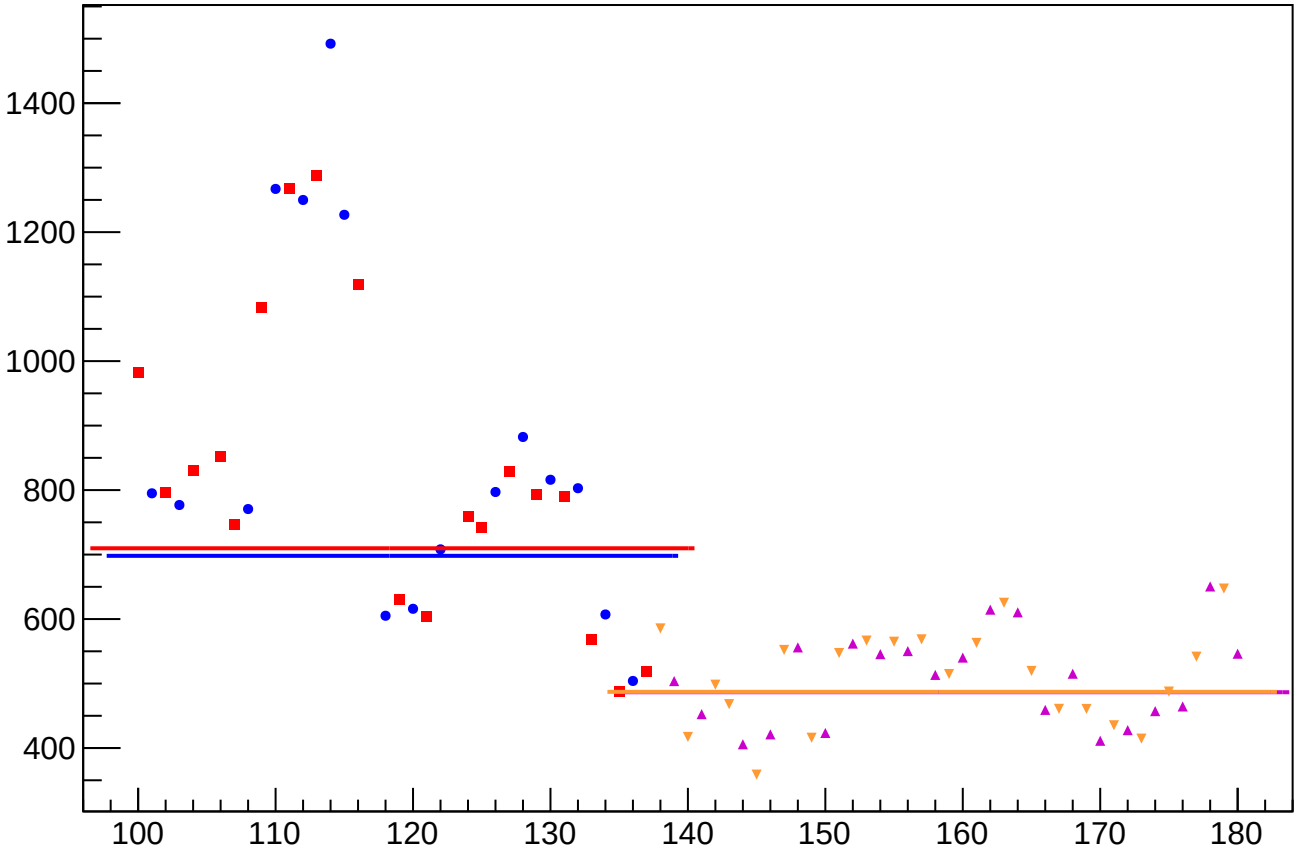
Left In: 69.042+/-118.742 χ^2/NDF:25.8/20

\+ sign 389.810+/-108.348 χ^2/NDF: 44.7/37

All: 251.191+/-76.755 χ^2/NDF: 89.3/77

\- 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: 487.140+/-0.084 χ^2/NDF:804790.2/21

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

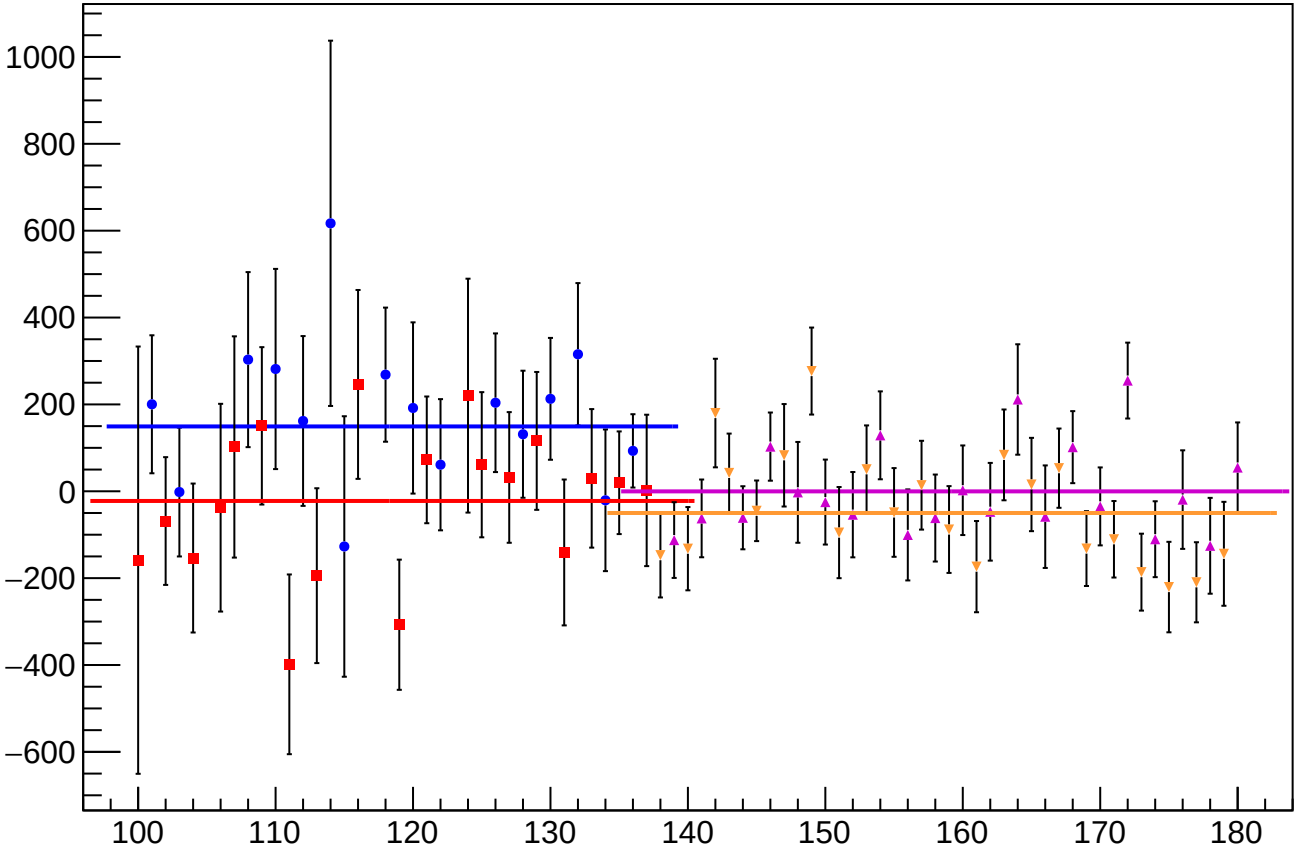
Left In: 486.537+/-0.084 χ^2/NDF:629250.0/20

+ sign 521.457+/-0.077 χ^2/NDF: 2750113.1/37

All: 521.989+/-0.054 χ^2/NDF: 5546027.7/77

- 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: -49.979+/-20.773 χ^2/NDF:34.5/21

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

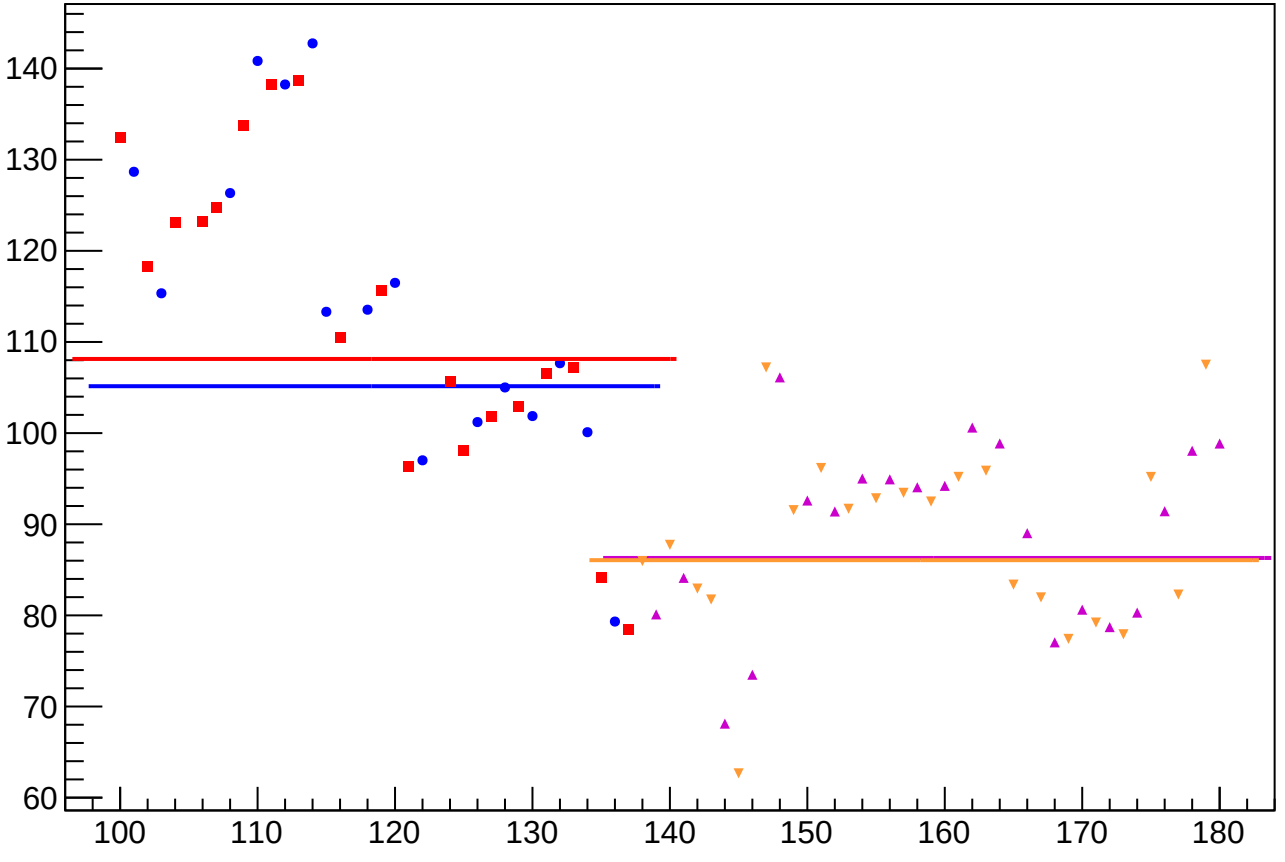
Left In: -0.228+/-20.989 χ^2/NDF:24.4/20

\+ sign -7.124+/-18.405 χ^2/NDF: 62.3/37

All: -6.058+/-13.082 χ^2/NDF: 101.2/77

\- sign -4.969+/-18.598 χ^2/NDF: 38.8/39

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.058+/-0.015 χ^2/NDF:524031.9/21

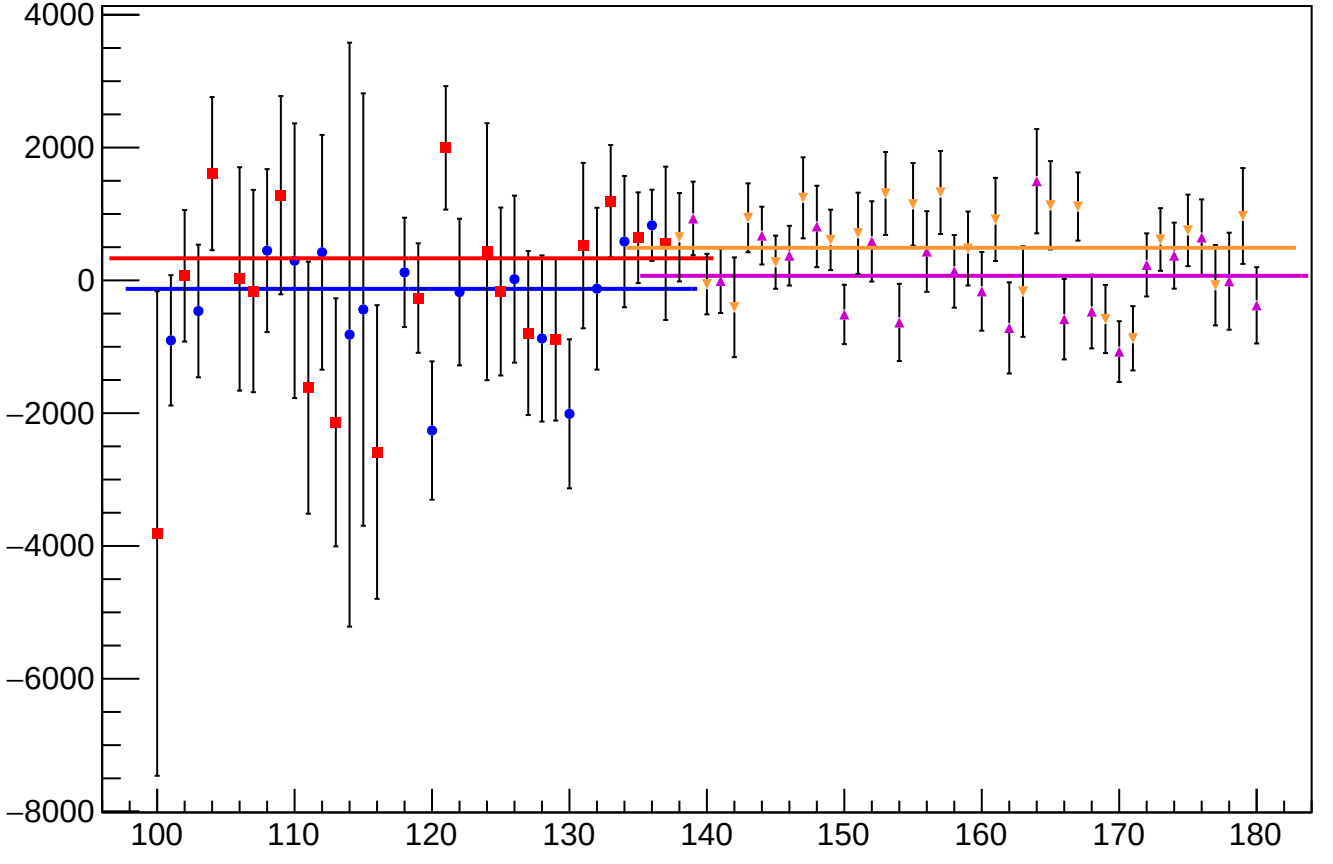
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.300+/-0.015 χ^2/NDF:480533.6/20

+ sign 90.163+/-0.013 χ^2/NDF: 1295599.1/37

All: 90.573+/-0.009 χ^2/NDF: 2589579.7/77

- 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: 490.440+/-118.409 χ^2/NDF:28.0/21

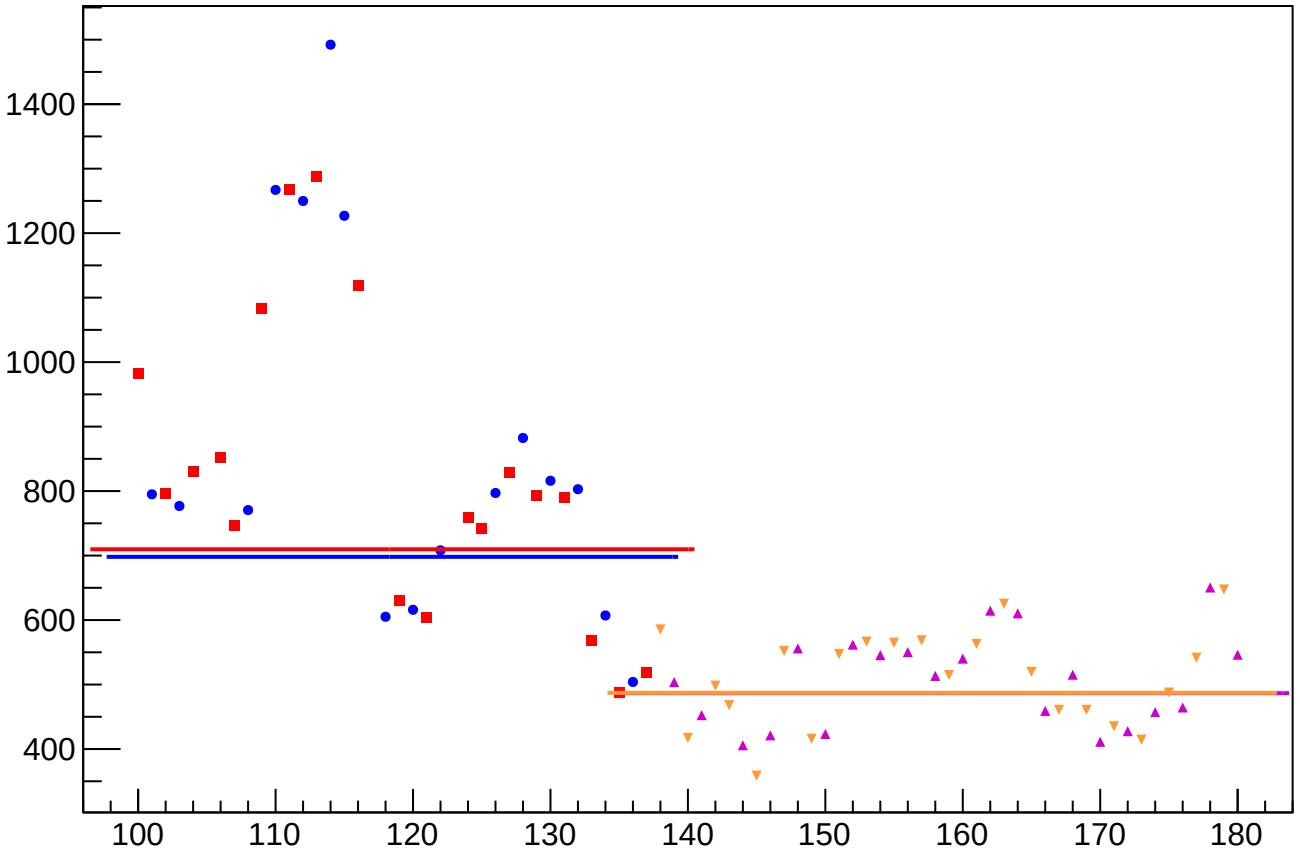
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 69.042+/-118.742 χ^2/NDF:25.8/20

+ sign 389.810+/-108.348 χ^2/NDF: 44.7/37

All: 251.191+/-76.755 χ^2/NDF: 89.3/77

- sign 111.546+/-108.749 χ^2/NDF: 41.3/39



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.140+/-0.084 χ^2/NDF:804790.2/21

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

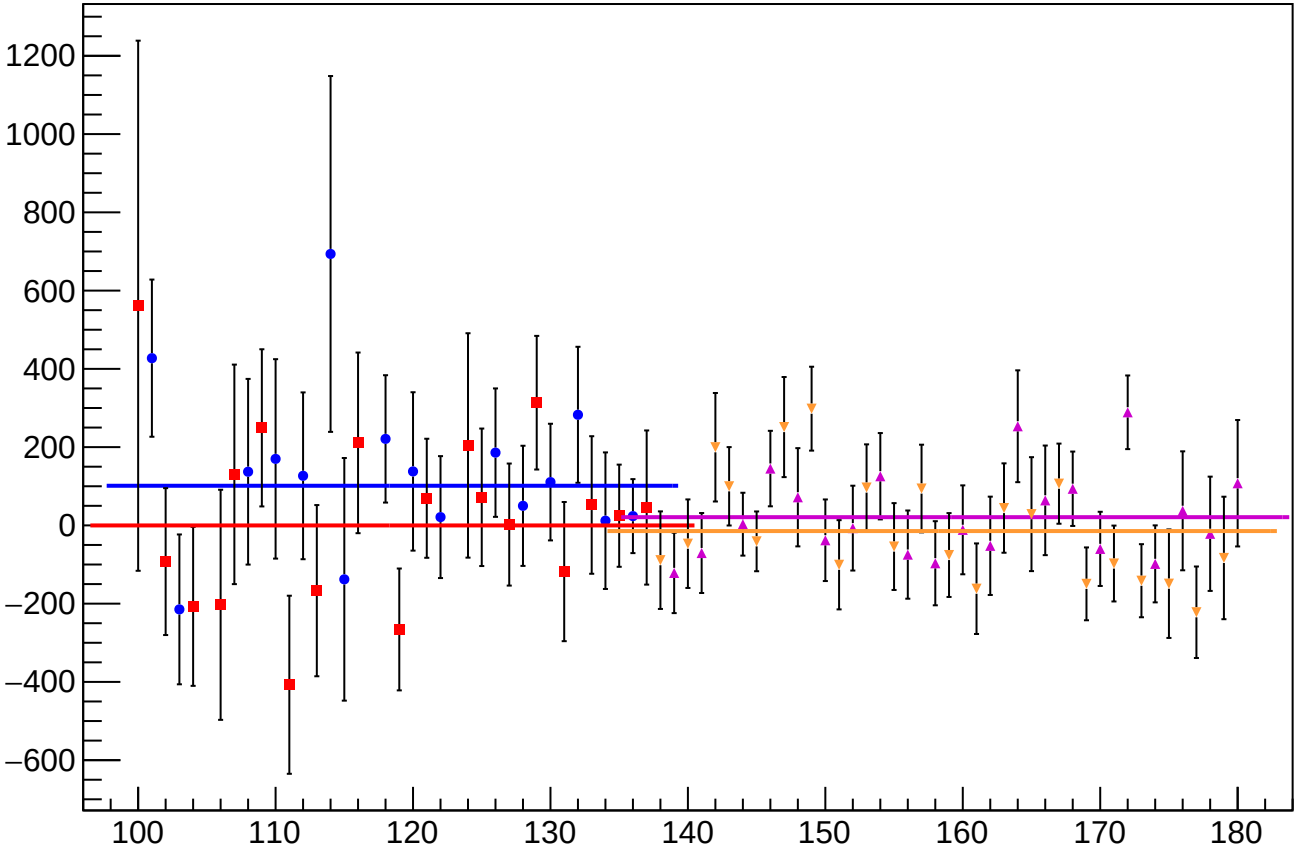
Left In: 486.537+/-0.084 χ^2/NDF:629250.0/20

+ sign 521.457+/-0.077 χ^2/NDF: 2750113.1/37

All: 521.989+/-0.054 χ^2/NDF: 5546027.7/77

- 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: -14.517+/-23.460 χ^2/NDF:32.4/21

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

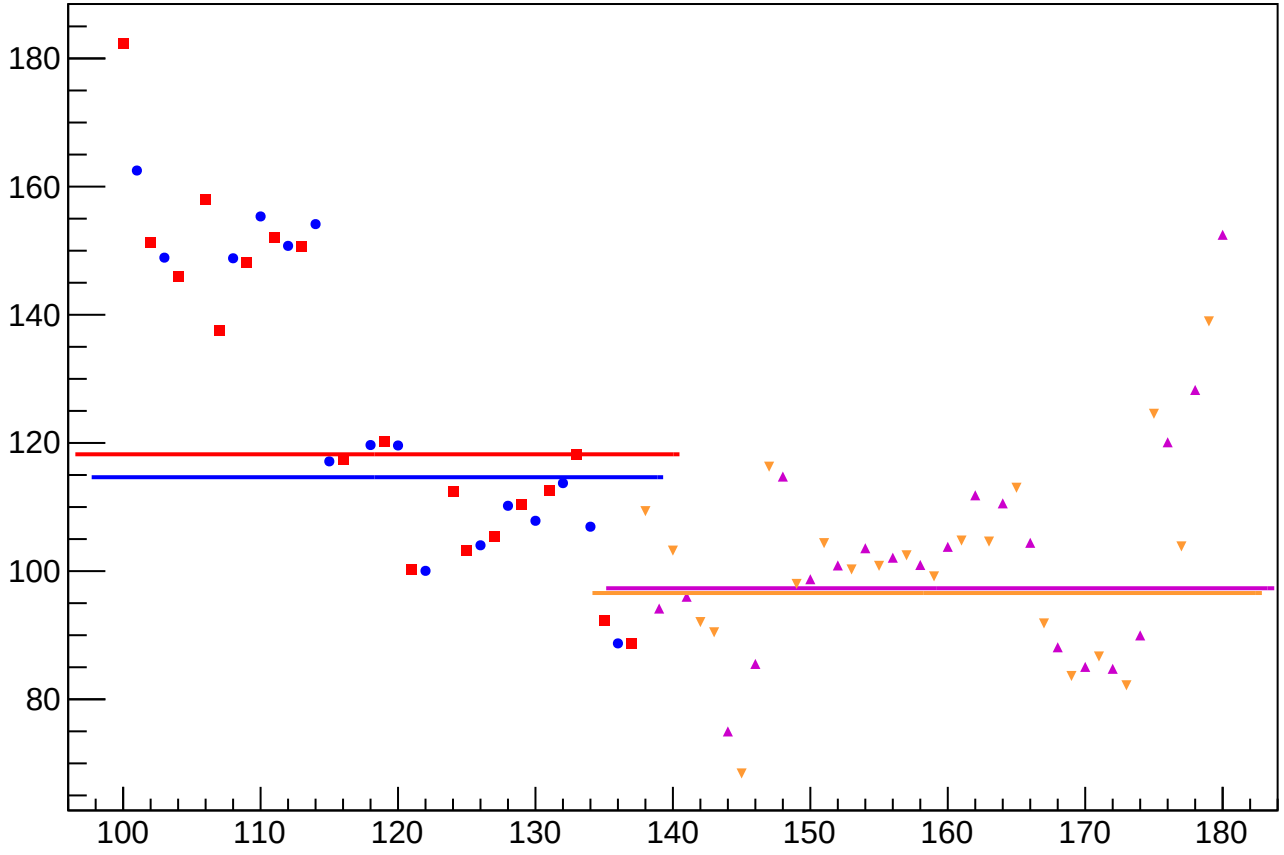
Left In: 21.005+/-23.915 χ^2/NDF:22.2/20

\+ sign 11.566+/-20.650 χ^2/NDF: 48.9/37

All: 13.838+/-14.729 χ^2/NDF: 87.9/77

\- 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: 96.583+/-0.017 χ^2/NDF:770711.2/21

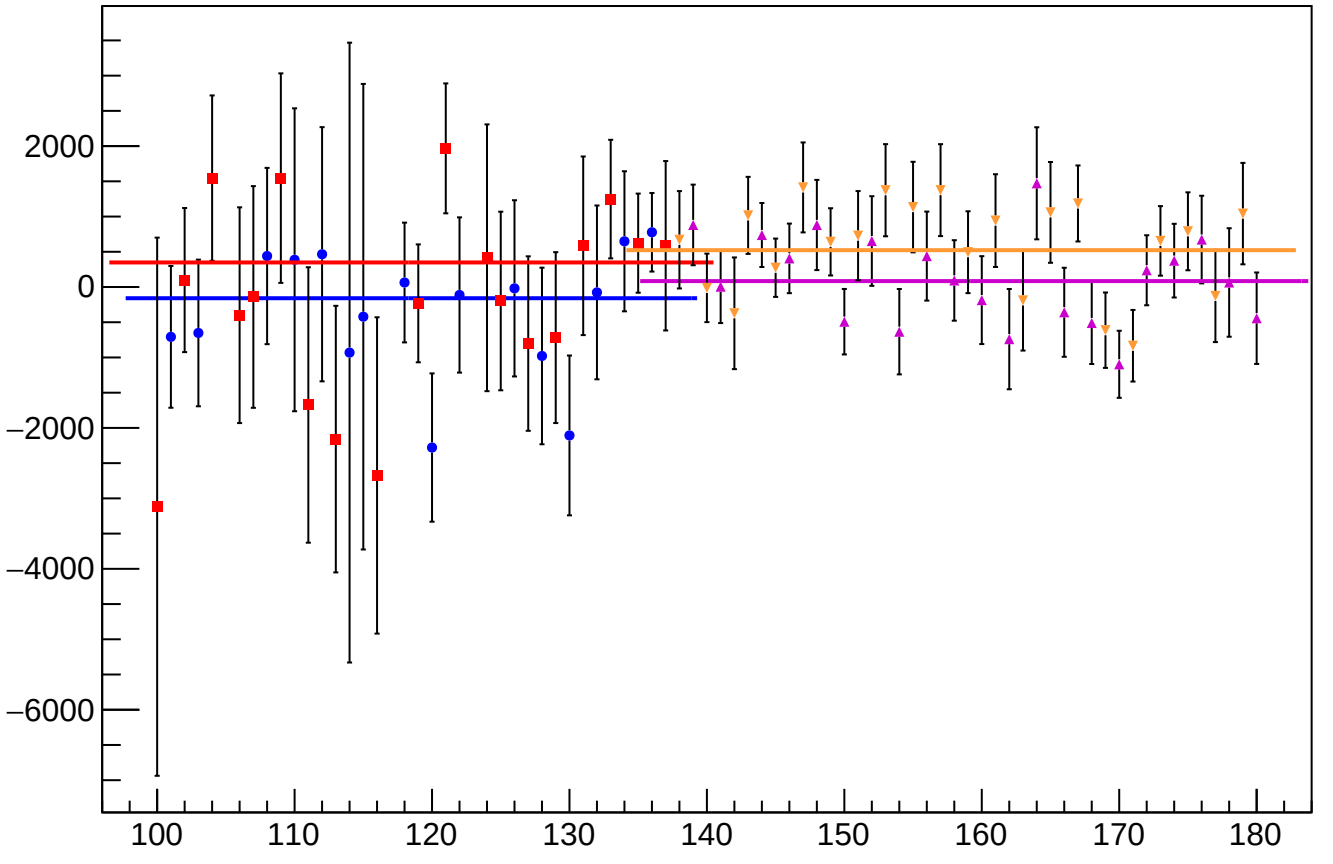
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 97.328+/-0.017 χ^2/NDF:762773.7/20

+ sign 100.653+/-0.015 χ^2/NDF: 1569999.9/37

All: 101.359+/-0.010 χ^2/NDF: 3168925.6/77

- 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: 522.779+/-123.860 χ^2/NDF:27.1/21

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

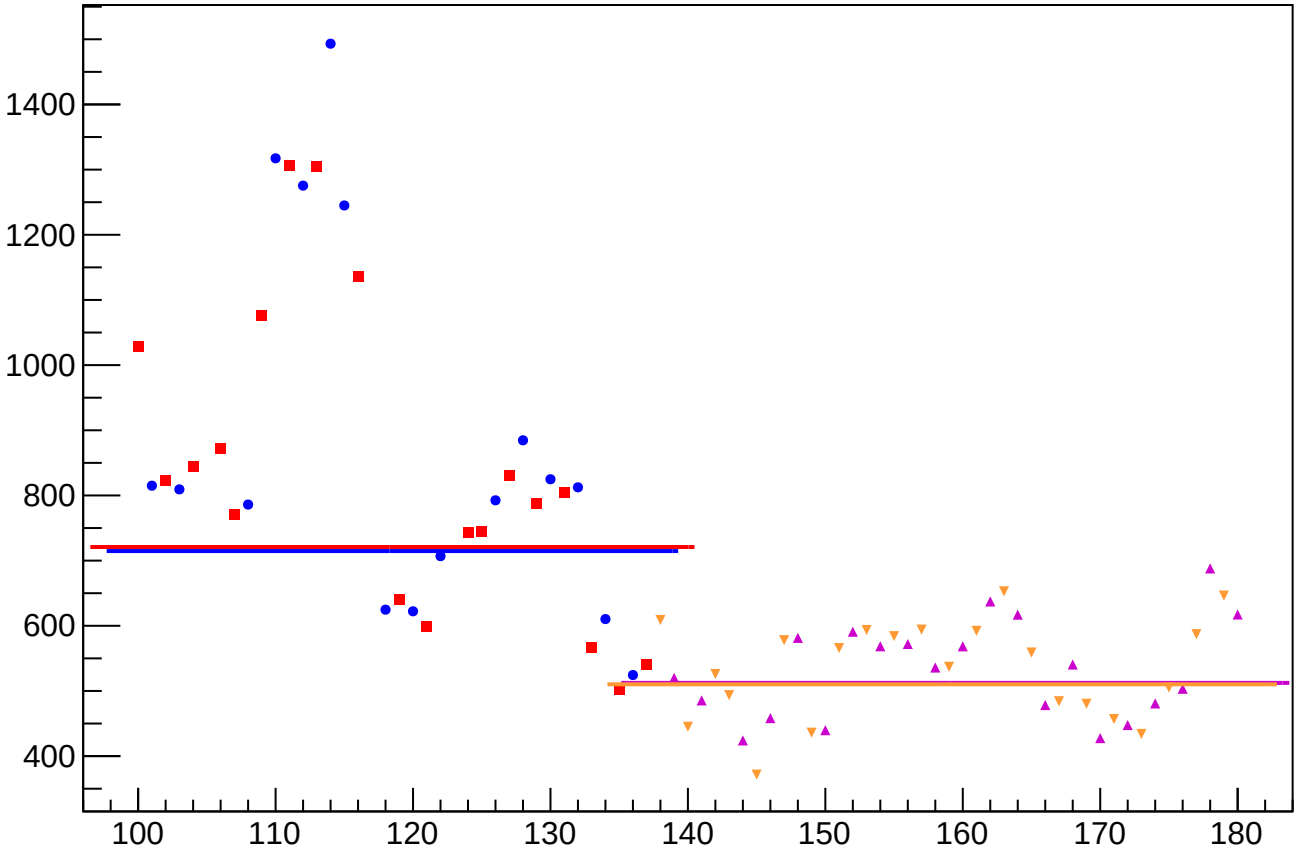
Left In: 83.871+/-125.062 χ^2/NDF:24.3/20

+ sign 407.471+/-112.903 χ^2/NDF: 44.1/37

All: 269.570+/-80.129 χ^2/NDF: 86.5/77

- 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: 510.200+/-0.088 χ^2/NDF:786709.1/21

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

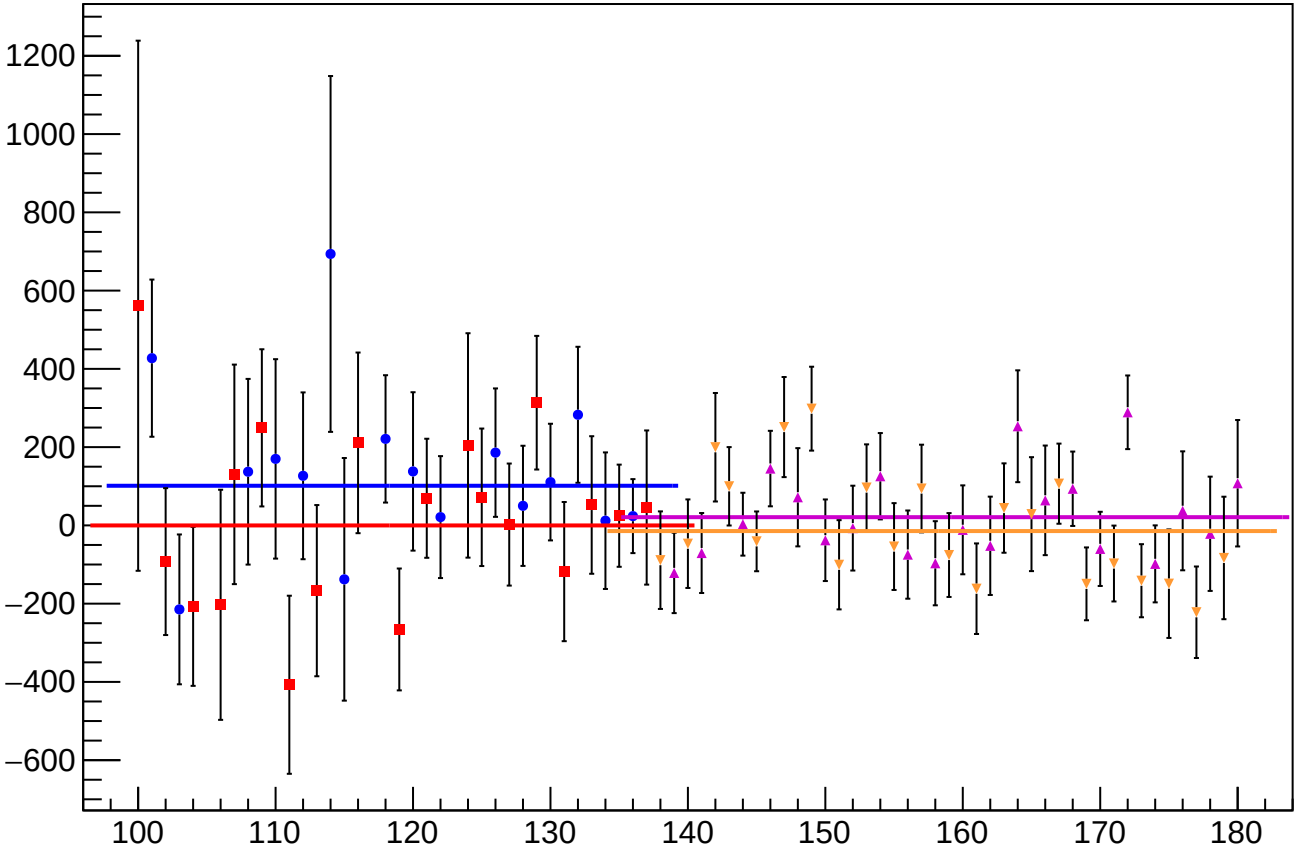
Left In: 512.388+/-0.088 χ^2/NDF:630675.3/20

+ sign 544.776+/-0.080 χ^2/NDF: 2584548.5/37

All: 546.586+/-0.057 χ^2/NDF: 5195431.9/77

- 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: -14.519+/-23.460 χ^2/NDF:32.4/21

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

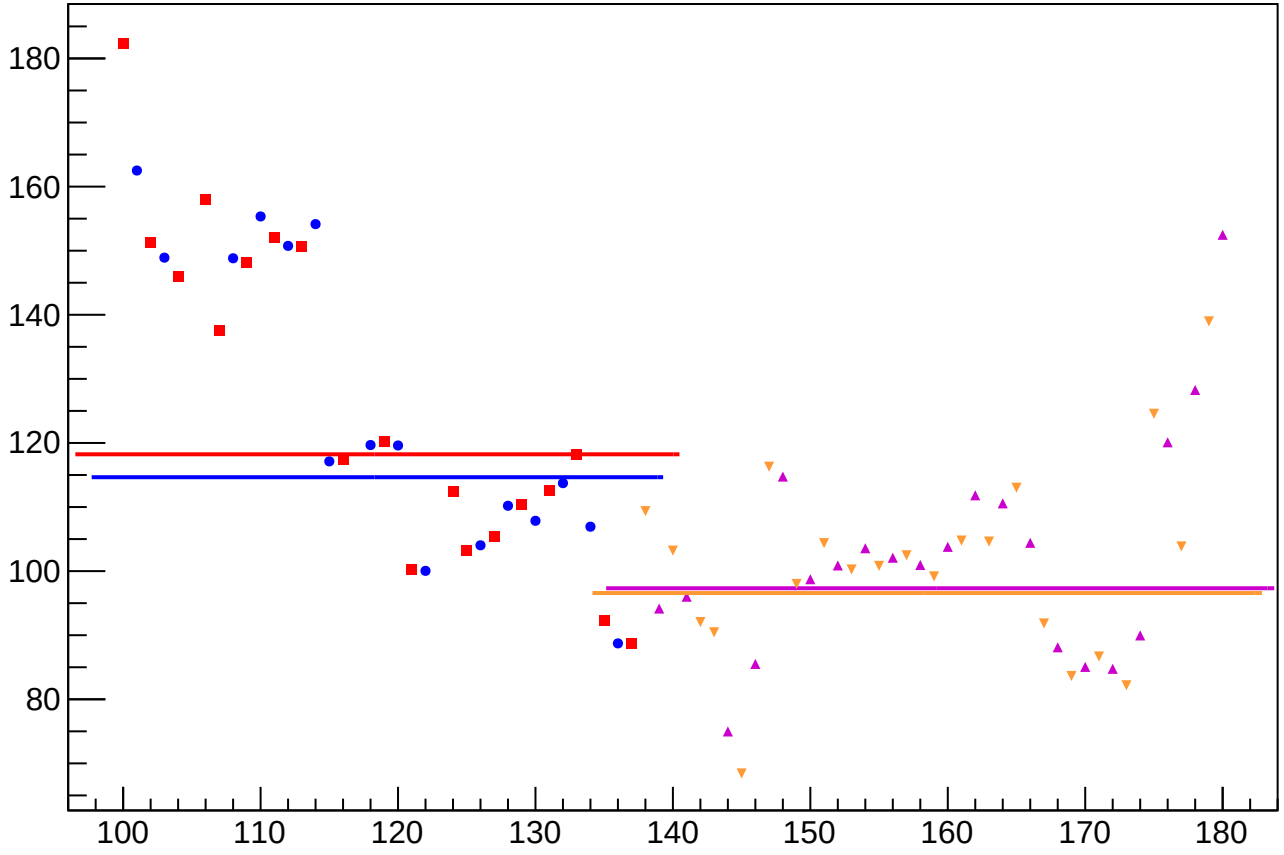
Left In: 21.006+/-23.915 χ^2/NDF:22.2/20

+ sign 11.564+/-20.650 χ^2/NDF: 48.9/37

All: 13.837+/-14.729 χ^2/NDF: 87.9/77

- 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: 96.583+/-0.017 χ^2/NDF:770716.9/21

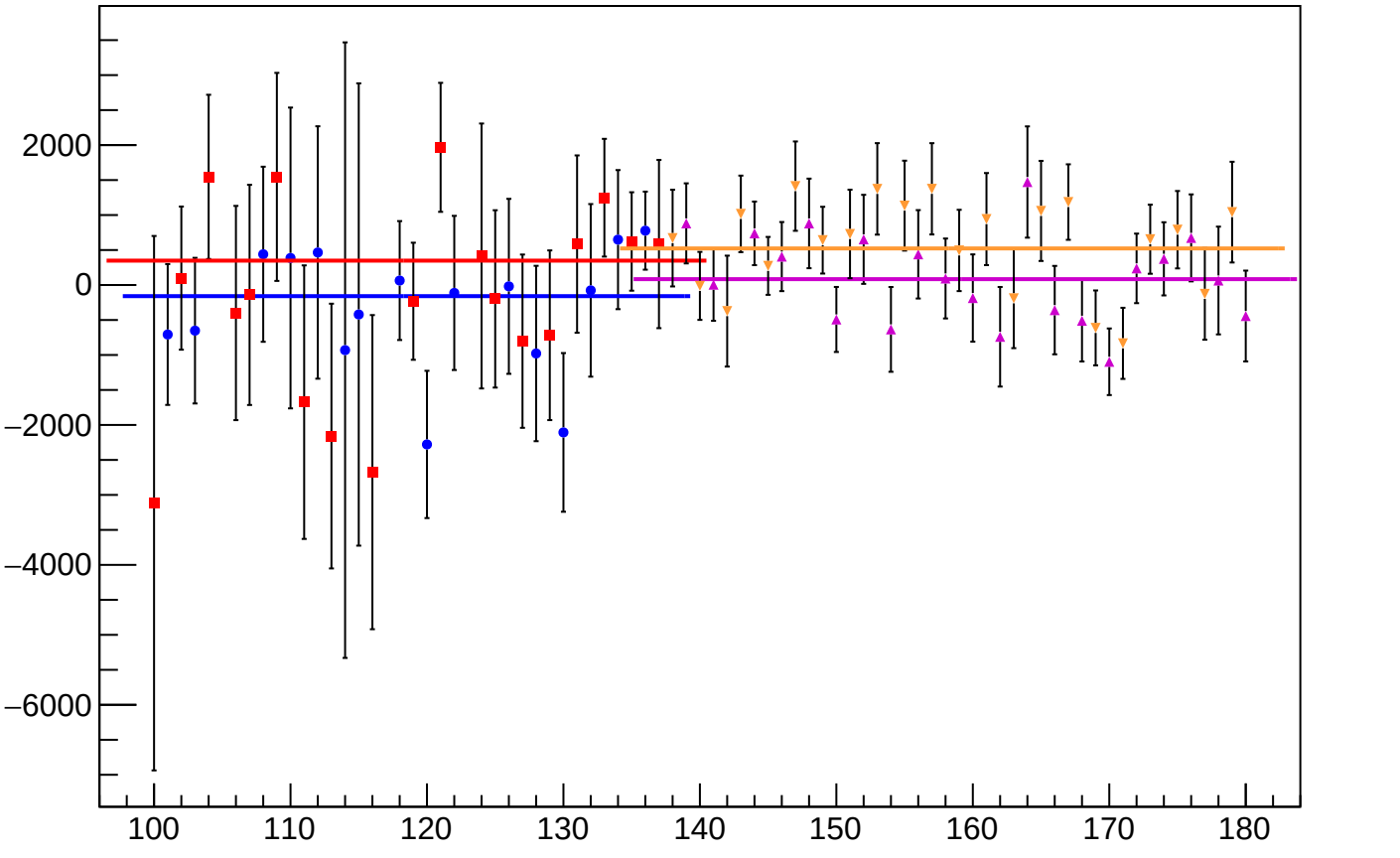
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 97.328+/-0.017 χ^2/NDF:762764.5/20

+ sign 100.653+/-0.015 χ^2/NDF: 1569998.0/37

All: 101.359+/-0.010 χ^2/NDF: 3168908.1/77

- 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: 522.777+/-123.860 χ^2/NDF:27.1/21

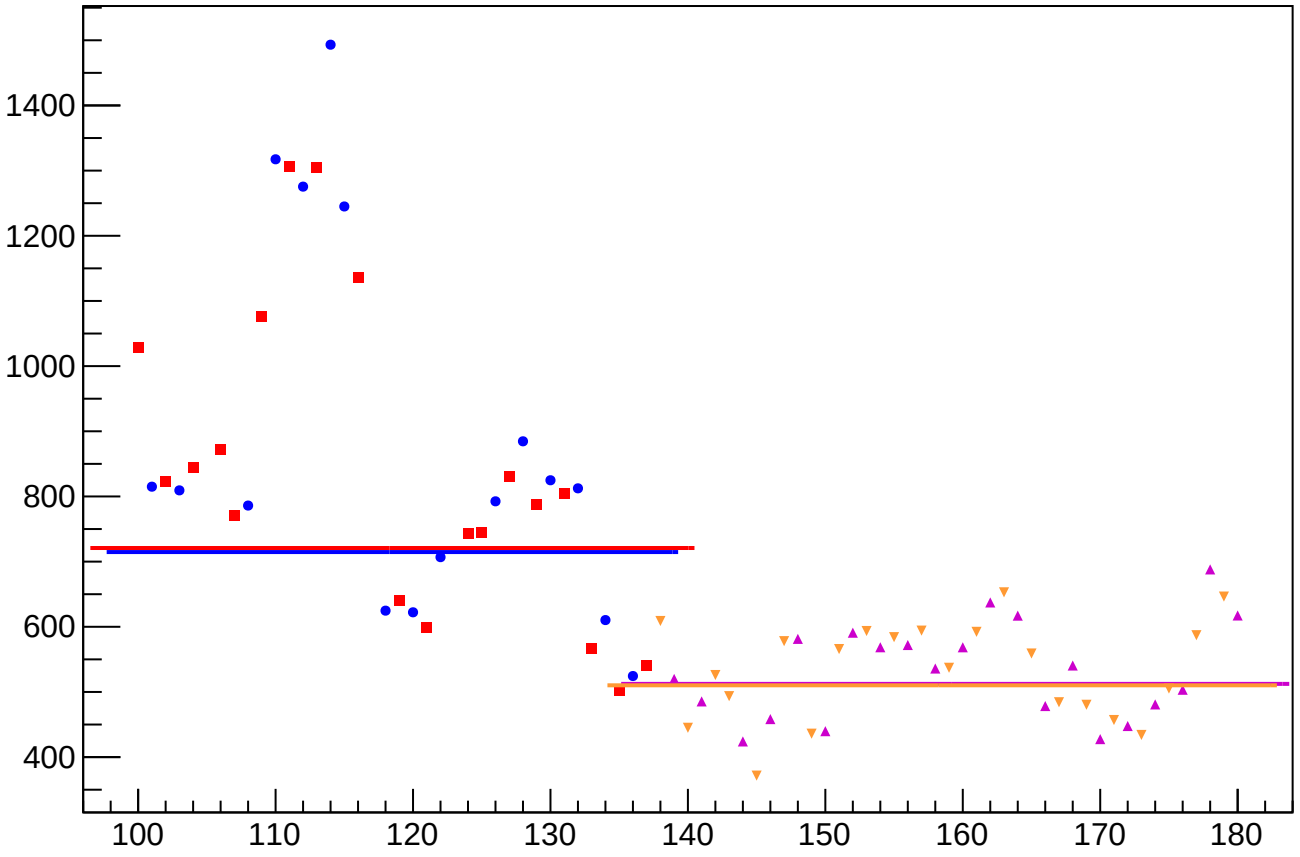
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 83.871+/-125.062 χ^2/NDF:24.3/20

+ sign 407.470+/-112.903 χ^2/NDF: 44.1/37

All: 269.569+/-80.129 χ^2/NDF: 86.5/77

- 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: 510.200+/-0.088 χ^2/NDF:786709.0/21

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

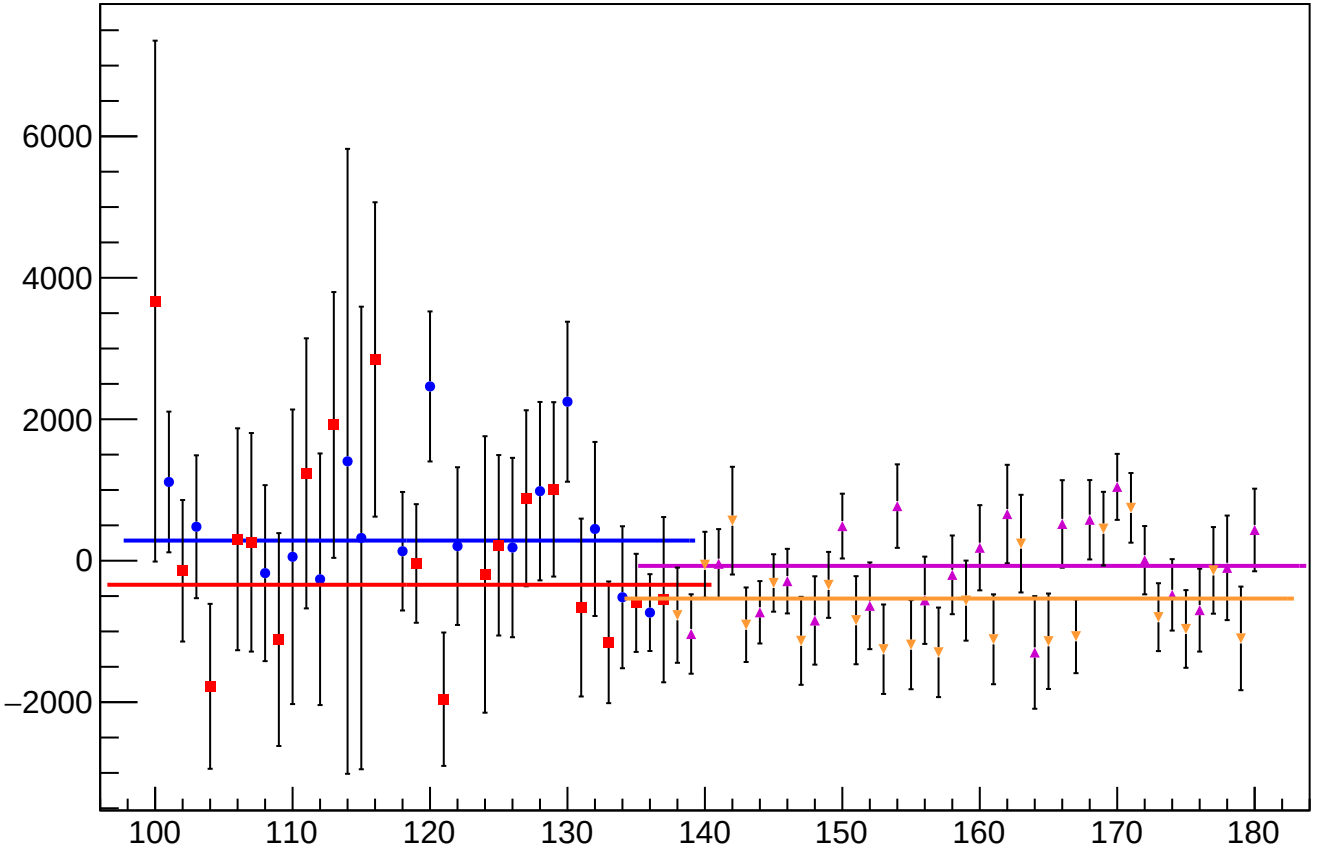
Left In: 512.388+/-0.088 χ^2/NDF:630673.0/20

+ sign 544.776+/-0.080 χ^2/NDF: 2584545.1/37

All: 546.586+/-0.057 χ^2/NDF: 5195419.7/77

- 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: -534.894+/-120.349 χ^2/NDF:25.4/21

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

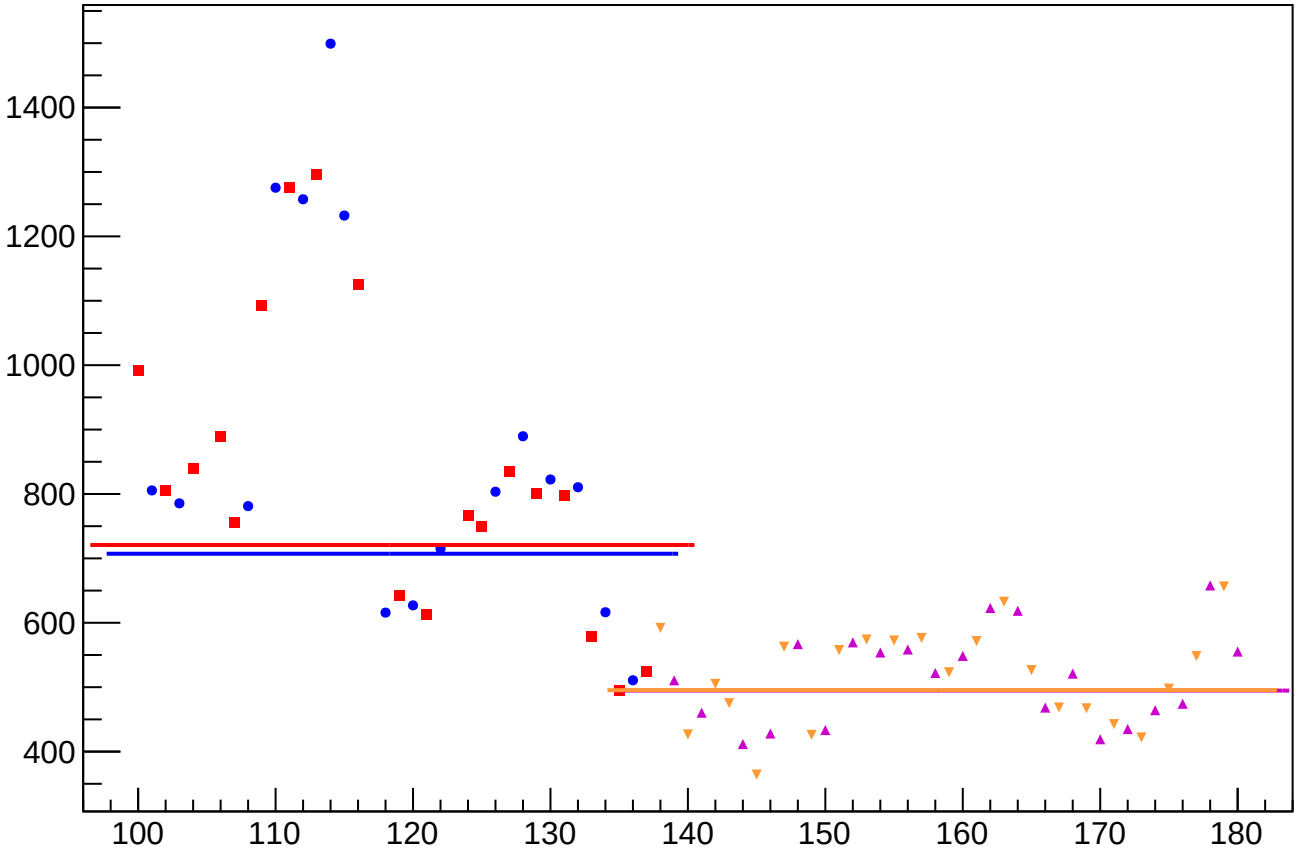
Left In: -73.050+/-120.695 χ^2/NDF:26.2/20

+ sign -400.651+/-110.054 χ^2/NDF: 45.8/37

All: -259.077+/-77.951 χ^2/NDF: 90.2/77

- 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: 495.362+/-0.085 χ^2/NDF:787555.5/21

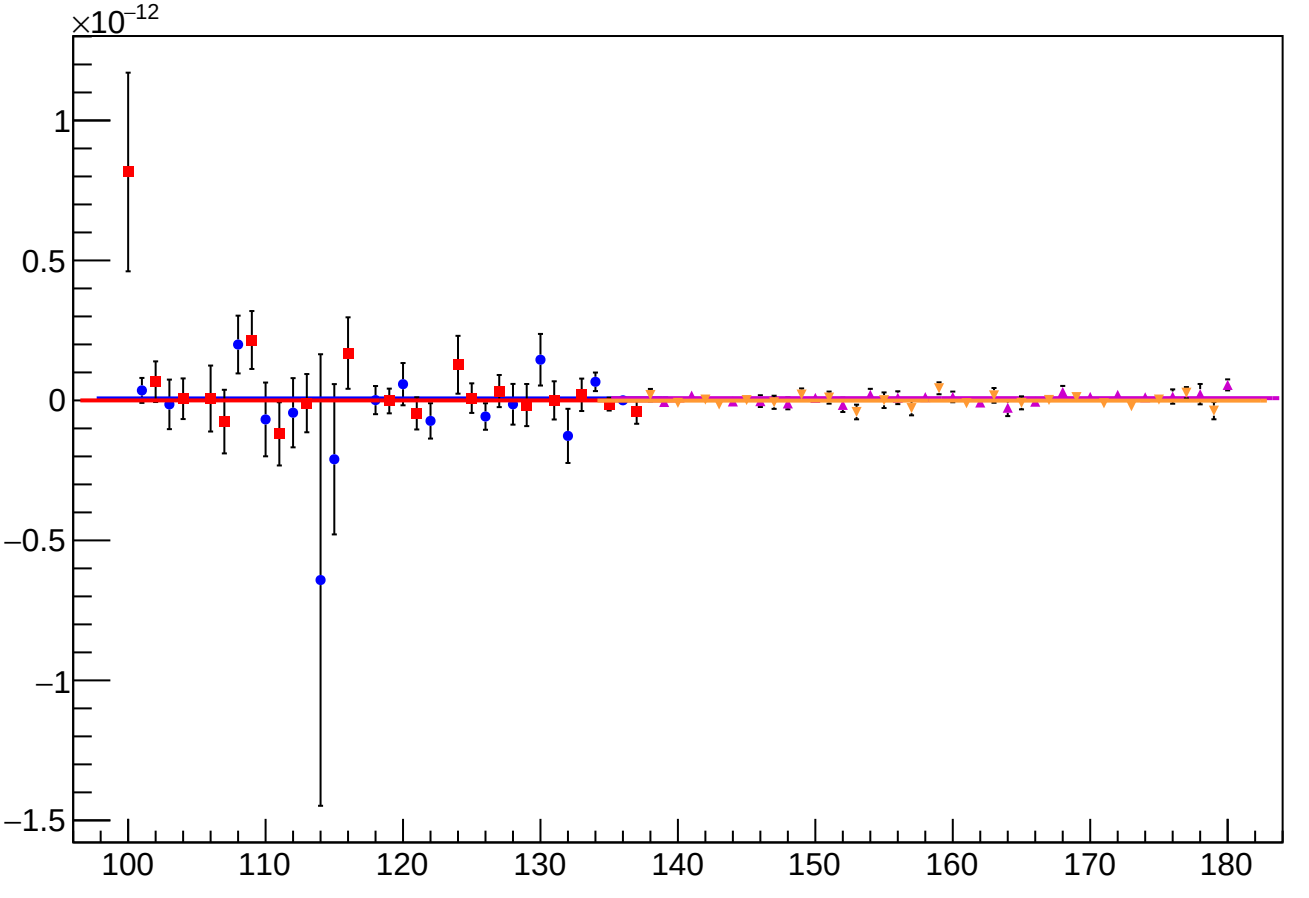
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 494.703+/-0.085 χ^2/NDF:615812.1/20

+ sign 530.057+/-0.078 χ^2/NDF: 2699184.4/37

All: 530.791+/-0.055 χ^2/NDF: 5473530.8/77

- 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:17.8/21

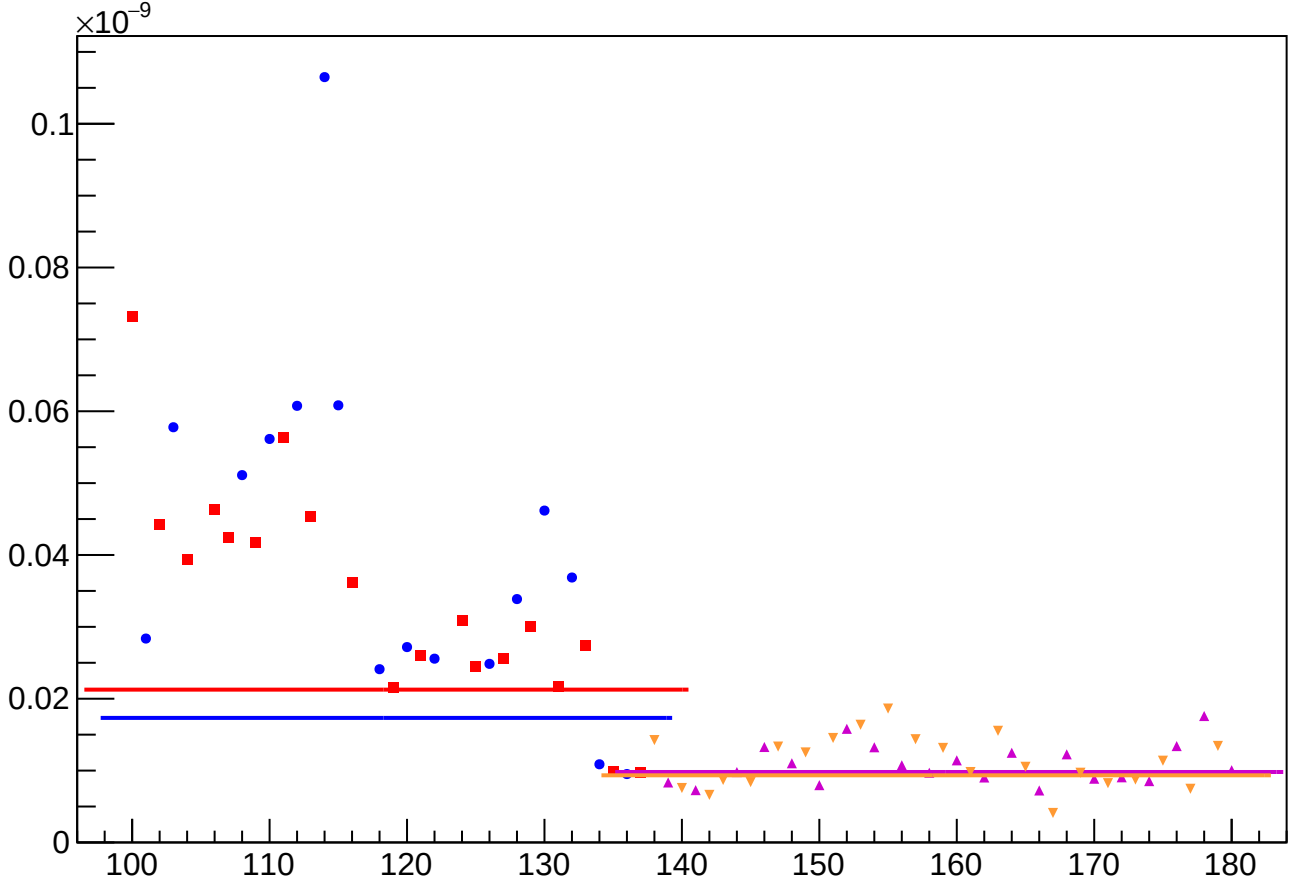
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/37

All: 0.000+/-0.000 χ^2/NDF: 70.2/77

- 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:1771656.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

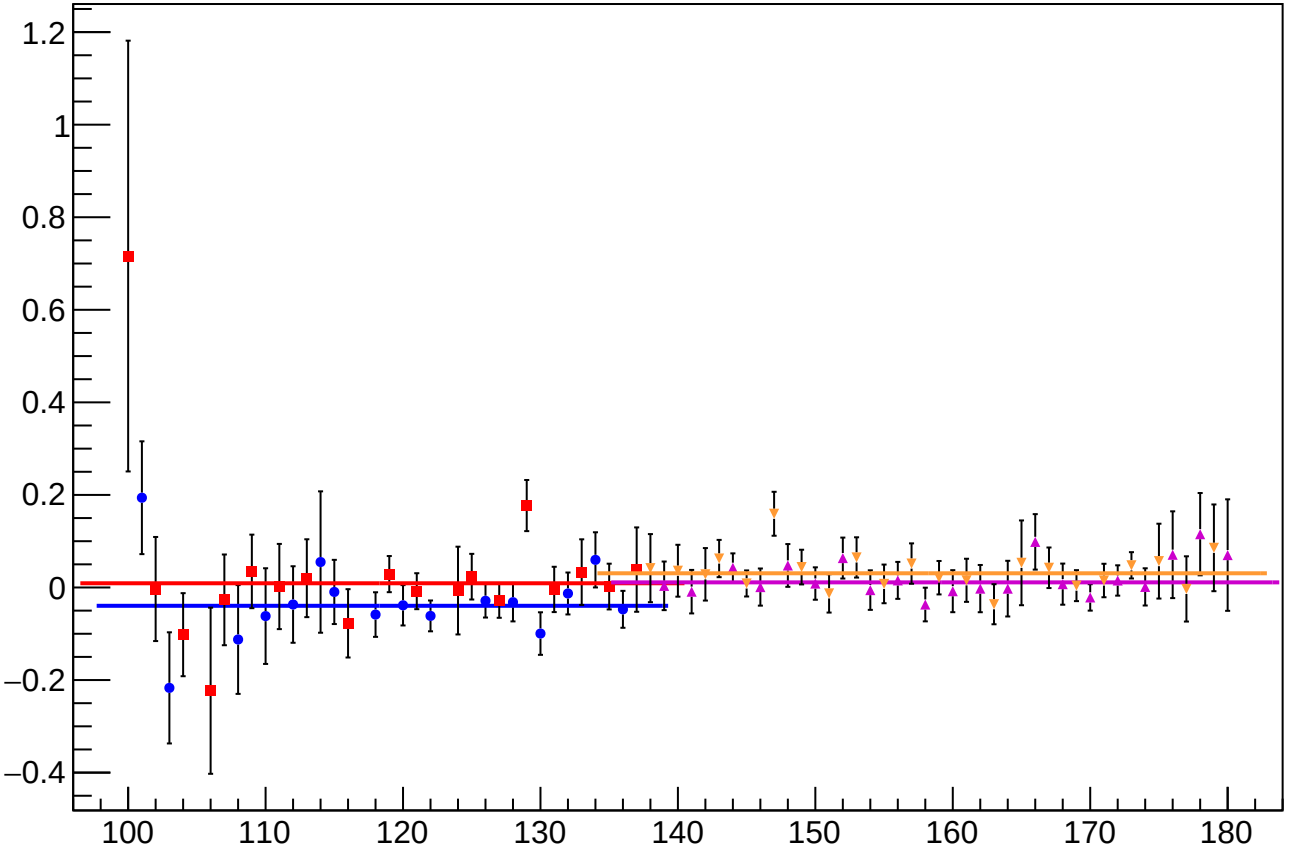
Left In: 0.000+/-0.000 χ^2/NDF:617475.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 5014482.7/37

All: 0.000+/-0.000 χ^2/NDF: 8674992.4/77

- 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:15.6/21

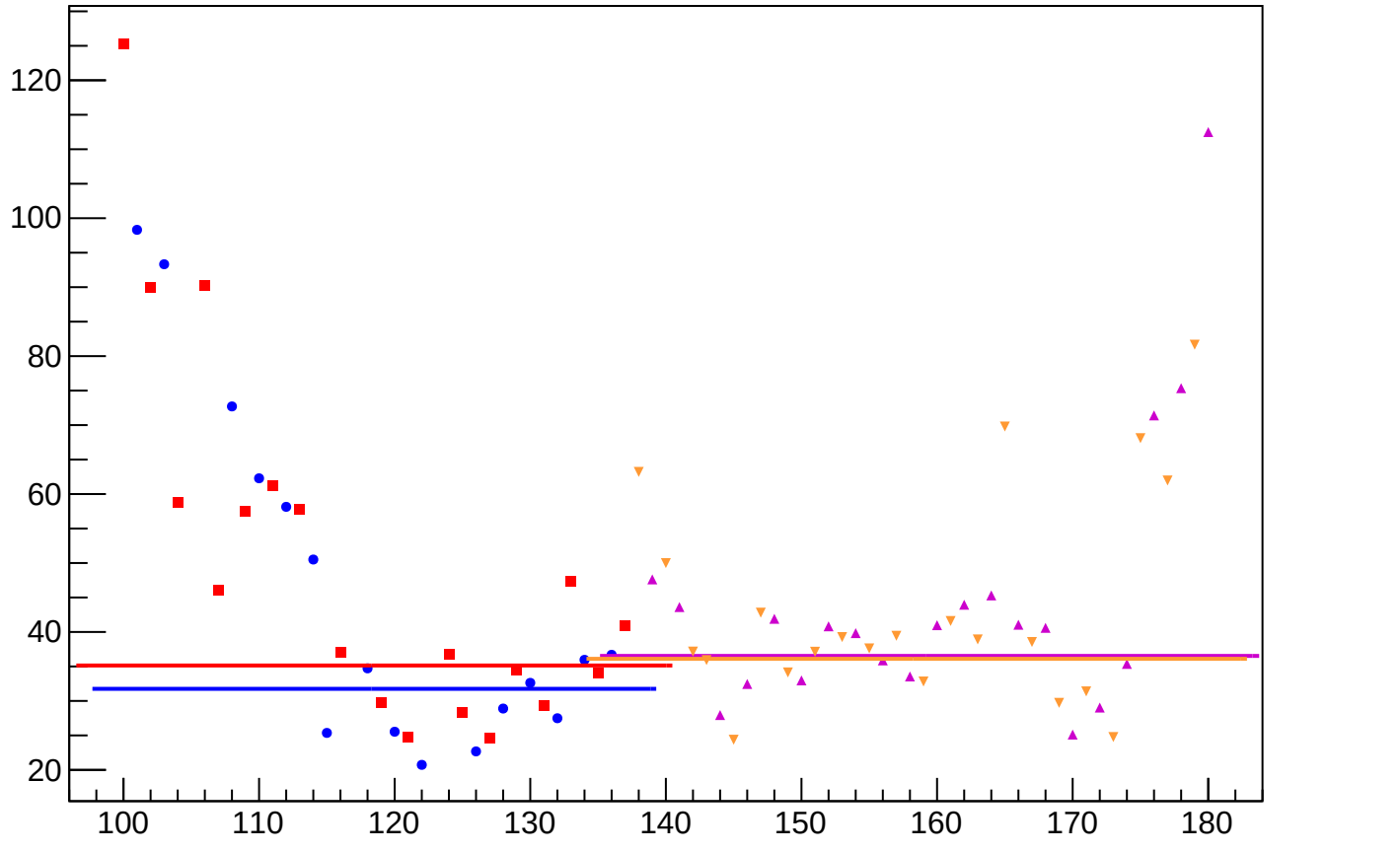
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:11.1/20

+ sign 0.008+/-0.008 χ^2/NDF: 47.1/37

All: 0.009+/-0.005 χ^2/NDF: 76.6/77

- 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: 36.107+/-0.007 χ^2/NDF:2623275.0/21

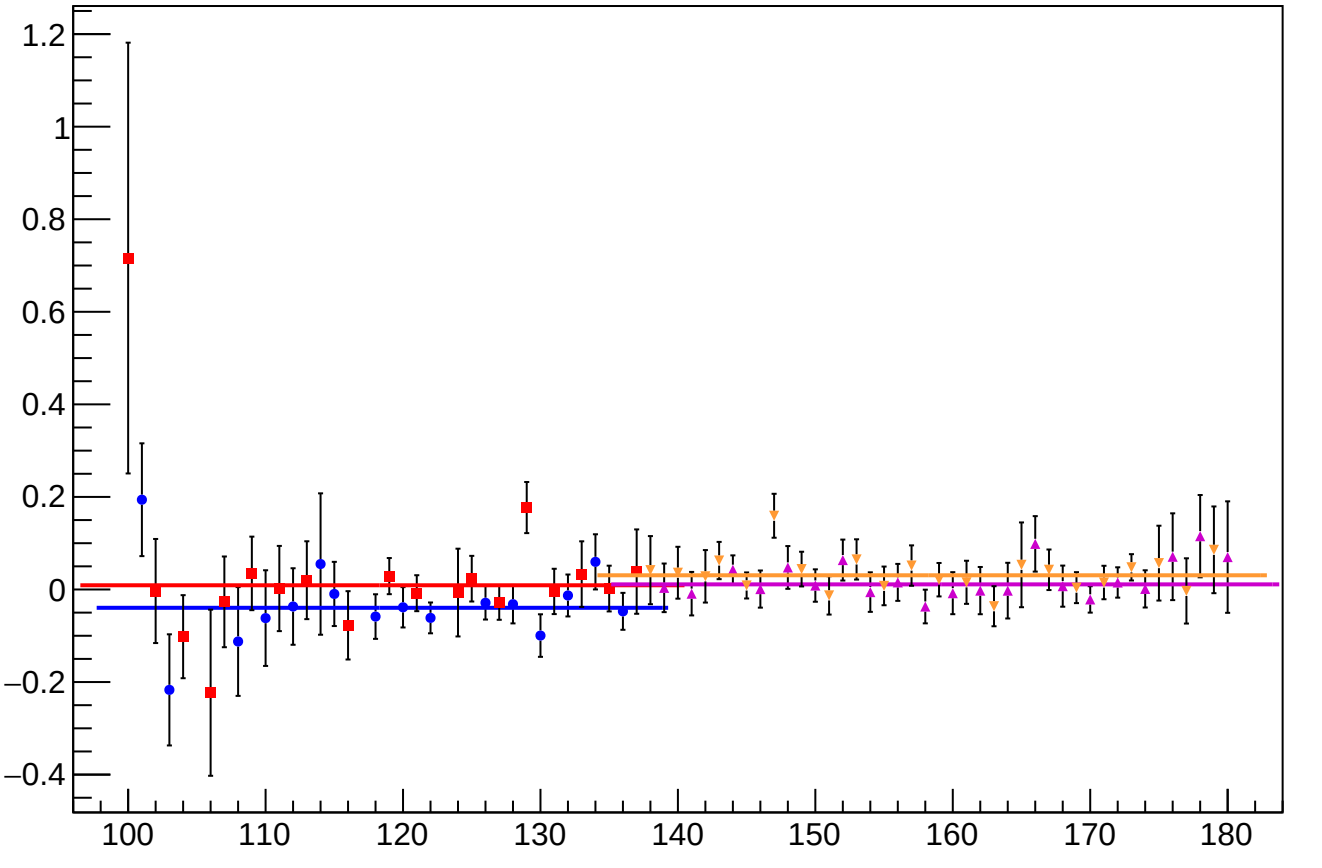
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.527+/-0.007 χ^2/NDF:2411127.3/20

+ sign 34.679+/-0.005 χ^2/NDF: 5022550.1/37

All: 35.360+/-0.004 χ^2/NDF: 9325681.3/77

- sign 36.100+/-0.006 χ^2/NDF: 4269081.9/39



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

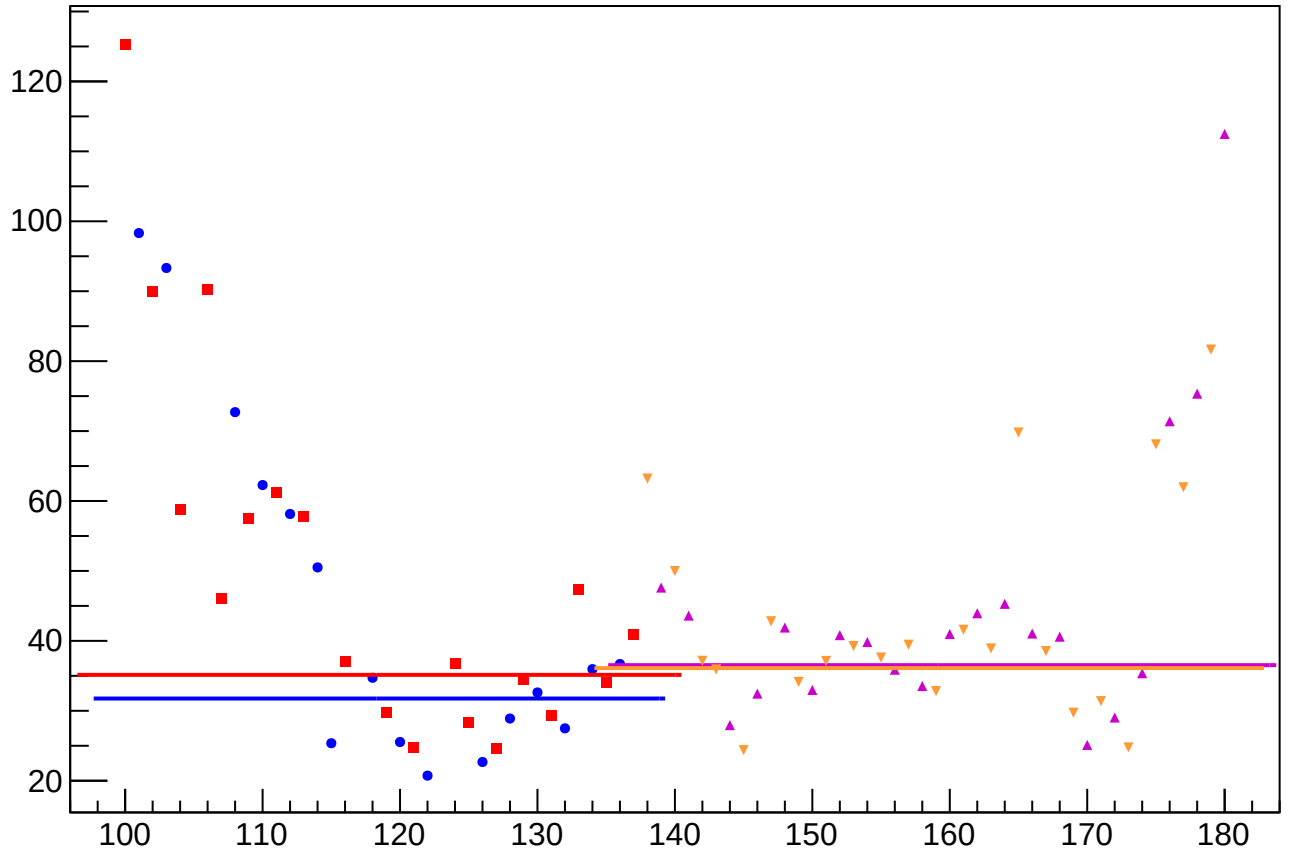
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:11.1/20

+ sign 0.008+/-0.008 χ^2/NDF: 47.1/37

All: 0.009+/-0.005 χ^2/NDF: 76.6/77

- 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: 36.107+/-0.007 χ^2/NDF:2623275.0/21

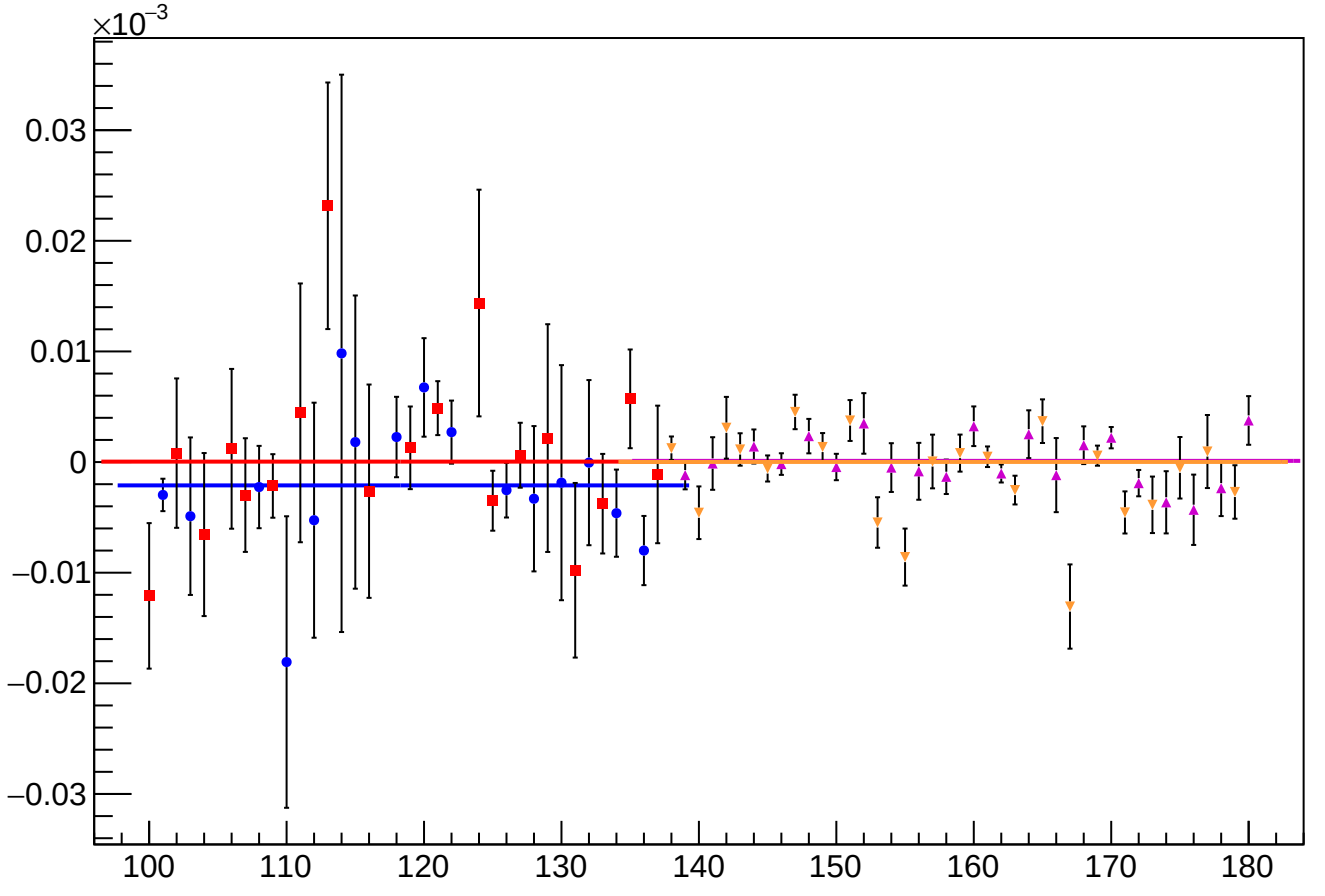
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.527+/-0.007 χ^2/NDF:2411127.3/20

+ sign 34.679+/-0.005 χ^2/NDF: 5022550.1/37

All: 35.360+/-0.004 χ^2/NDF: 9325681.3/77

- 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:67.1/21

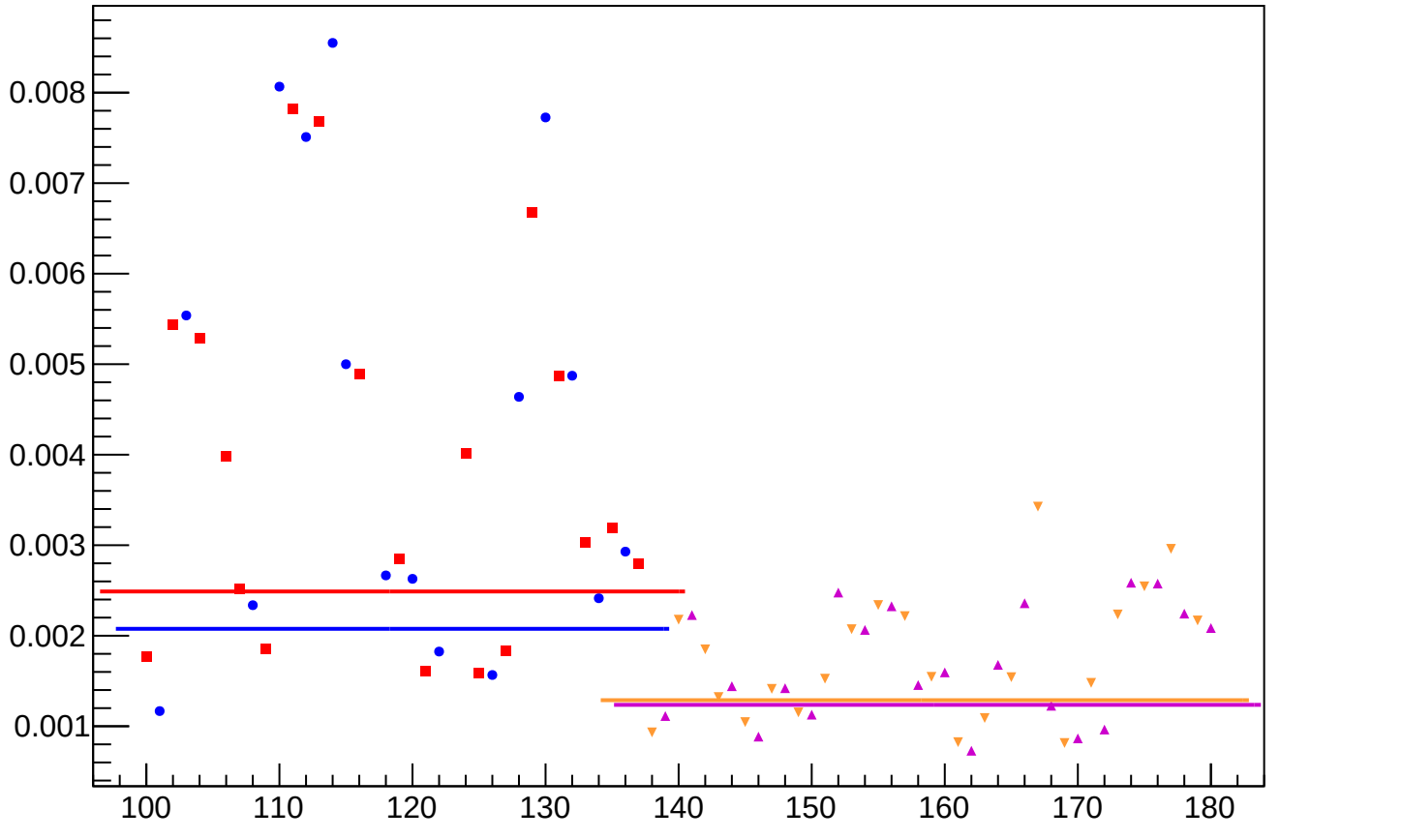
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:28.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 86.6/37

All: -0.000+/-0.000 χ^2/NDF: 137.4/77

- 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:4882165.1/21

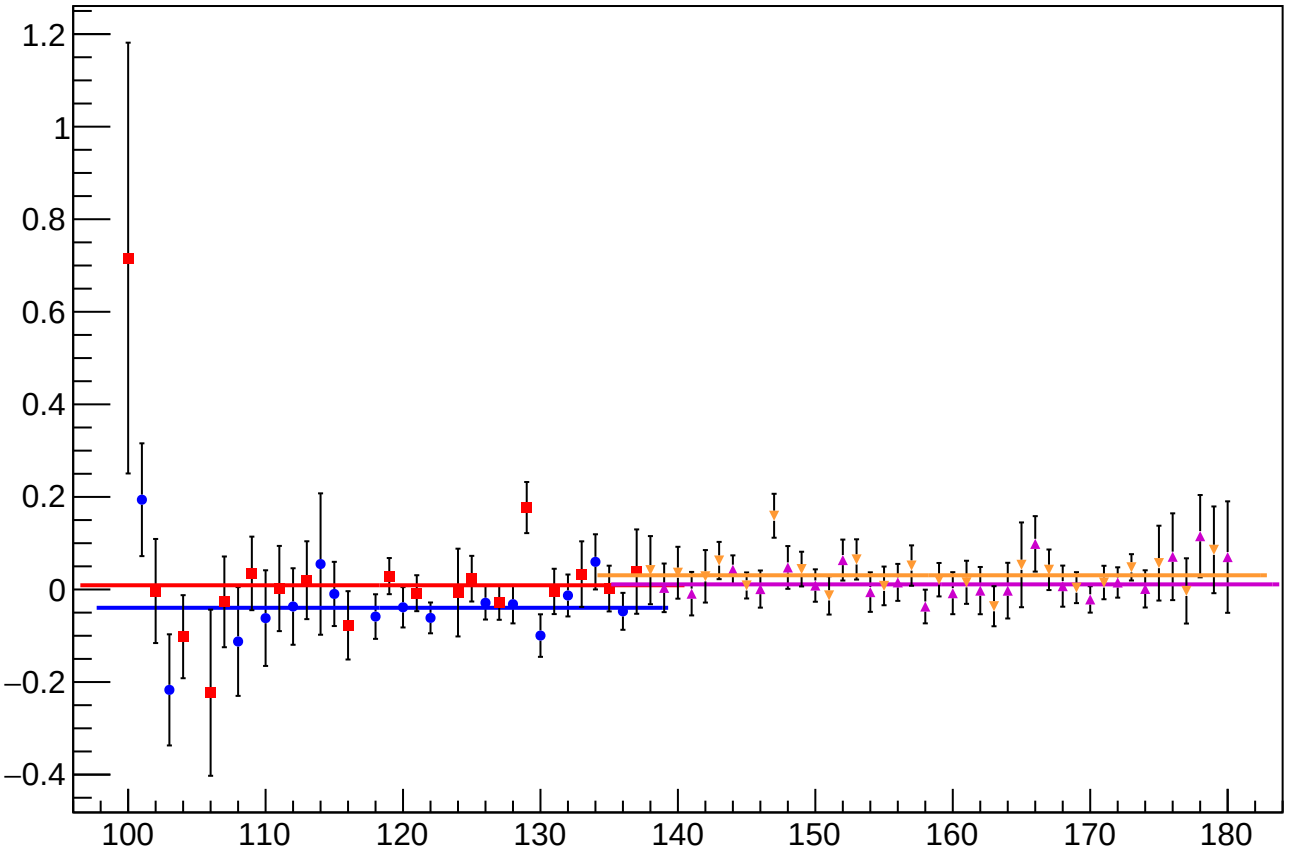
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4790510.5/20

+ sign 0.001+/-0.000 χ^2/NDF: 10118452.7/37

All: 0.001+/-0.000 χ^2/NDF: 20635186.7/77

- sign 0.001+/-0.000 χ^2/NDF: 10506019.3/39



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

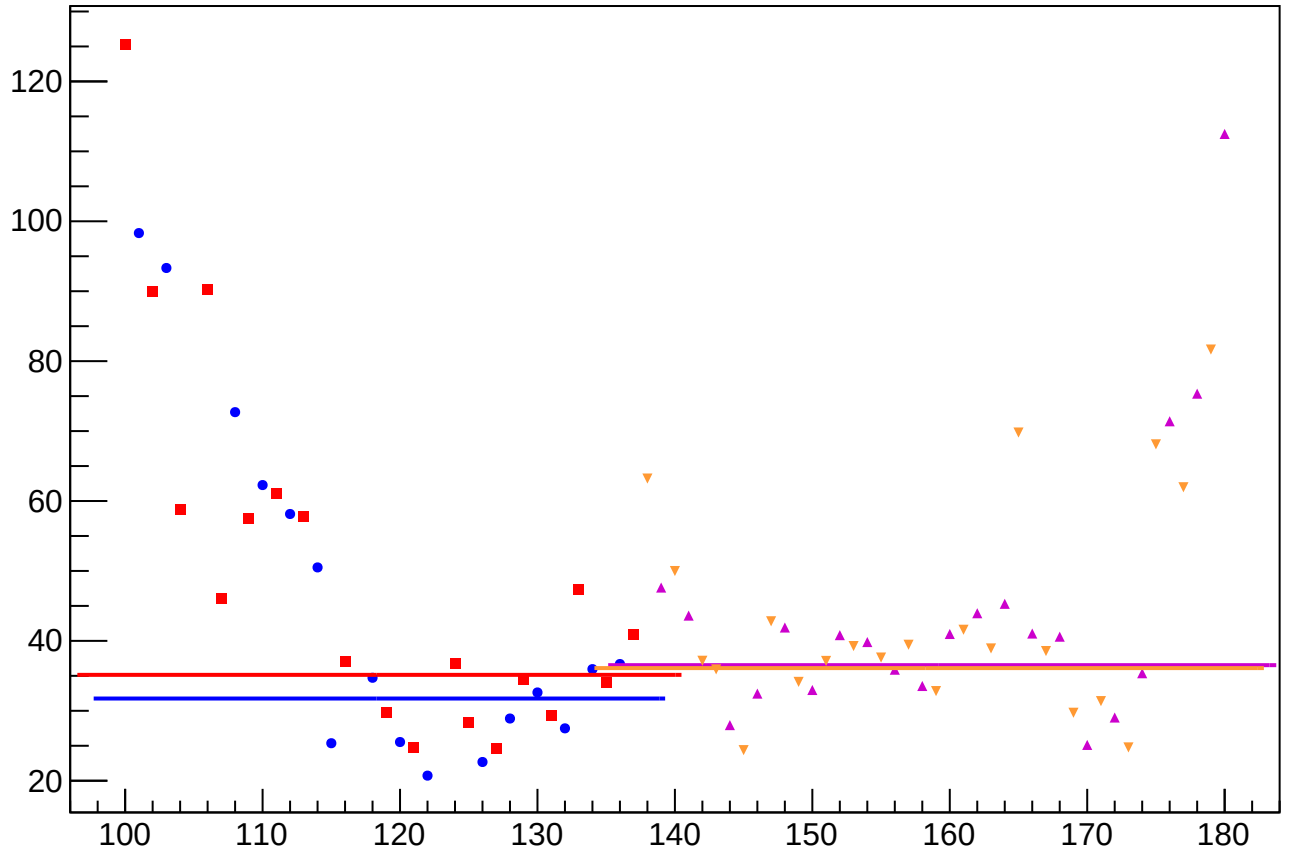
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:11.1/20

+ sign 0.008+/-0.008 χ^2/NDF: 47.1/37

All: 0.009+/-0.005 χ^2/NDF: 76.6/77

- 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: 36.107+/-0.007 χ^2/NDF:2623287.0/21

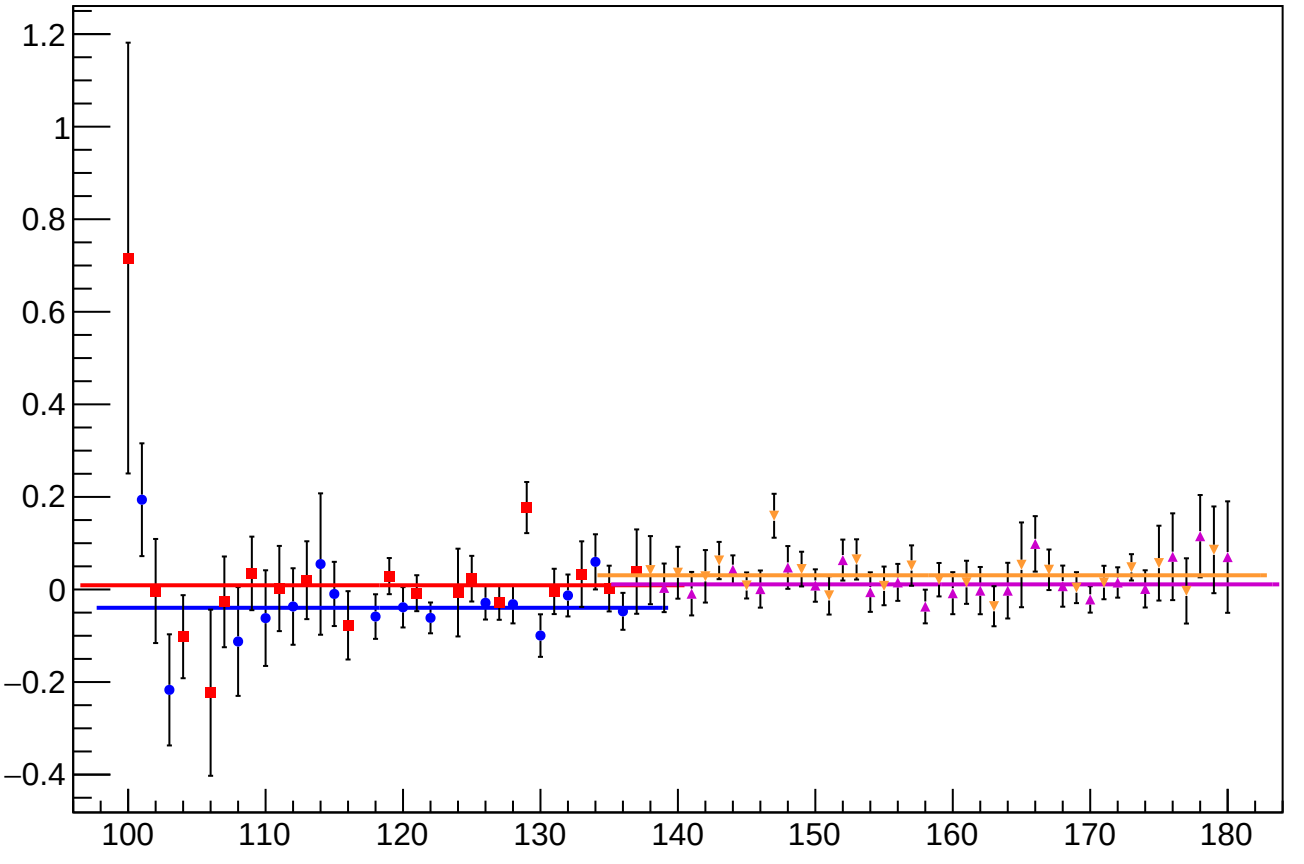
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.527+/-0.007 χ^2/NDF:2411092.7/20

+ sign 34.679+/-0.005 χ^2/NDF: 5022508.7/37

All: 35.360+/-0.004 χ^2/NDF: 9325491.1/77

- 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:15.6/21

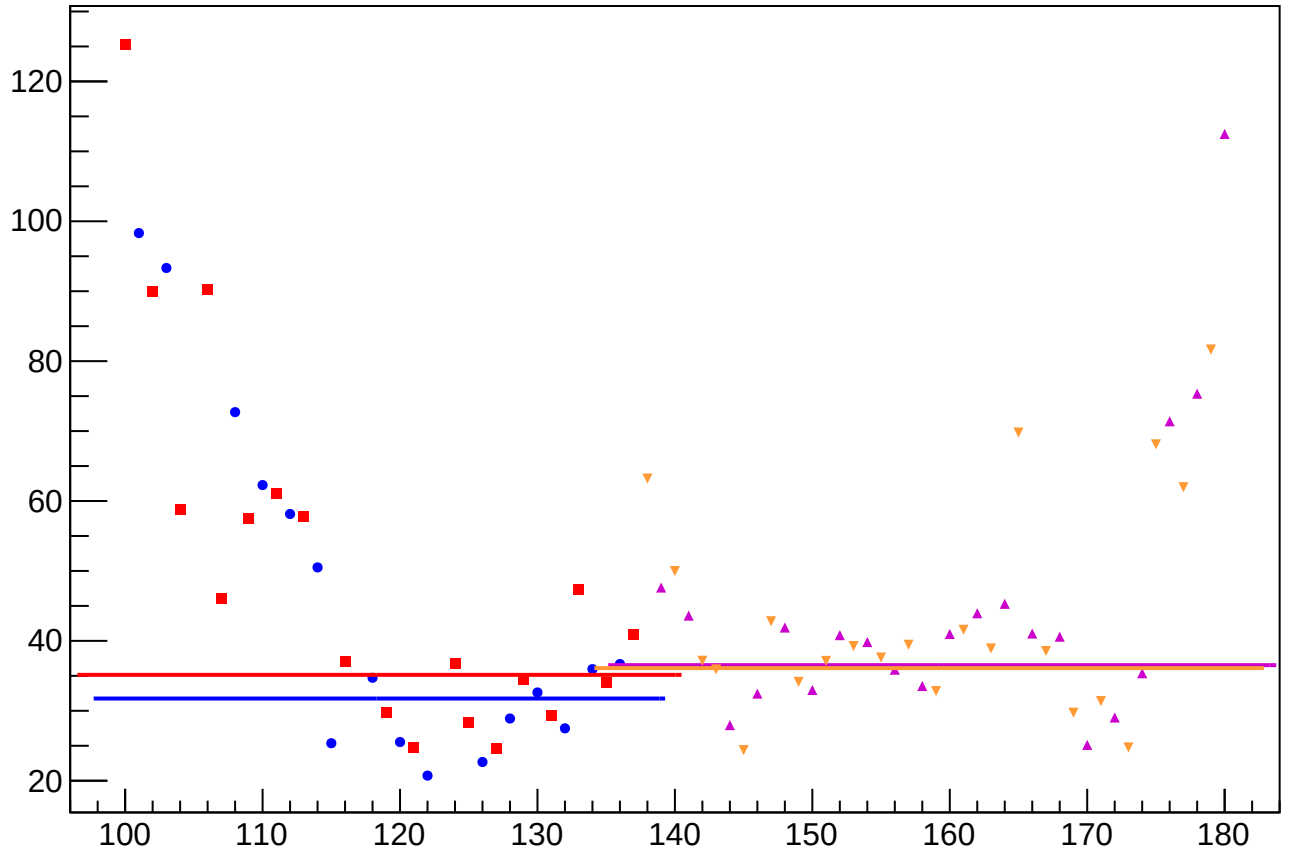
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.009 χ^2/NDF:11.1/20

+ sign 0.008+/-0.008 χ^2/NDF: 47.1/37

All: 0.009+/-0.005 χ^2/NDF: 76.6/77

- 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: 36.107+/-0.007 χ^2/NDF:2623287.0/21

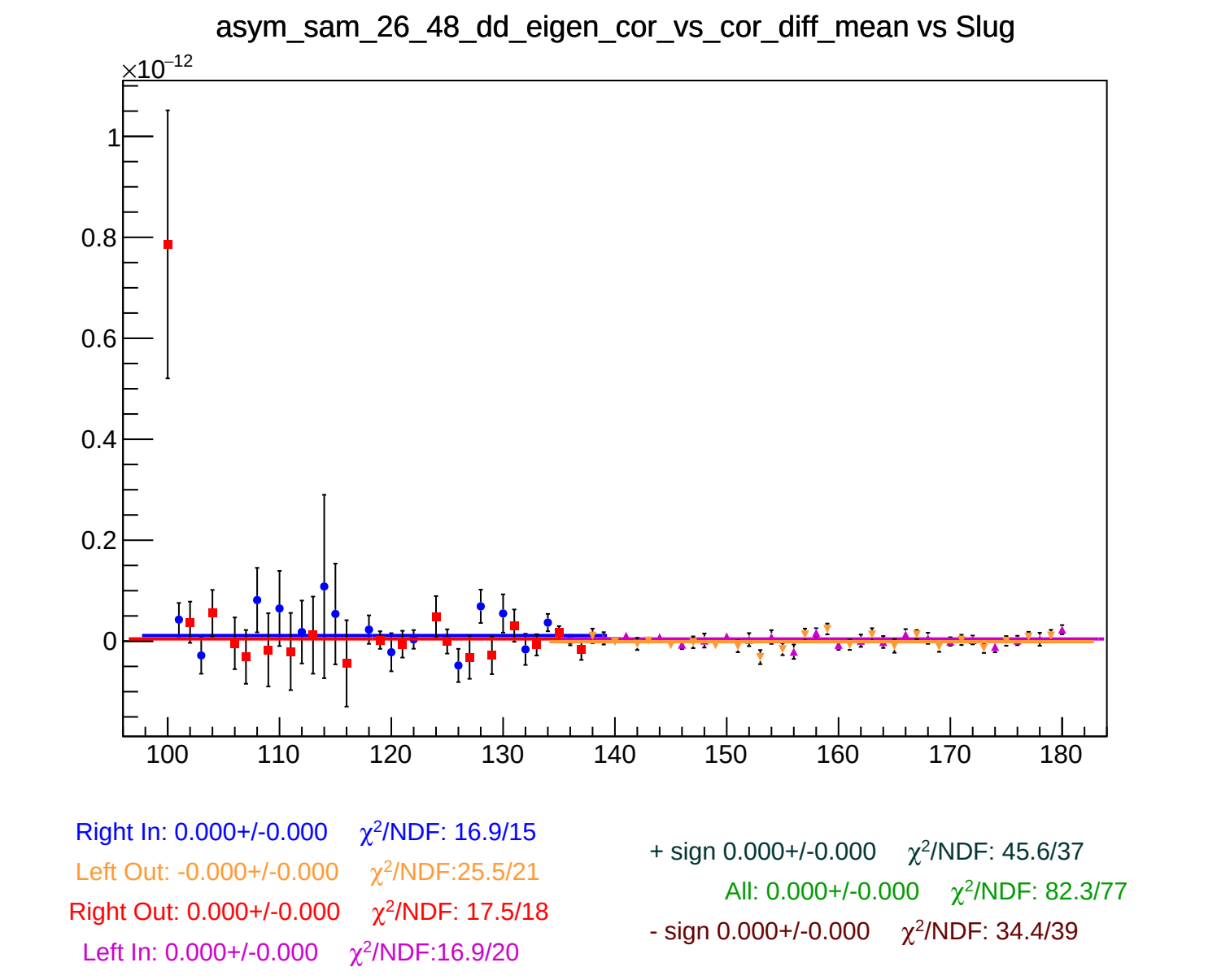
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

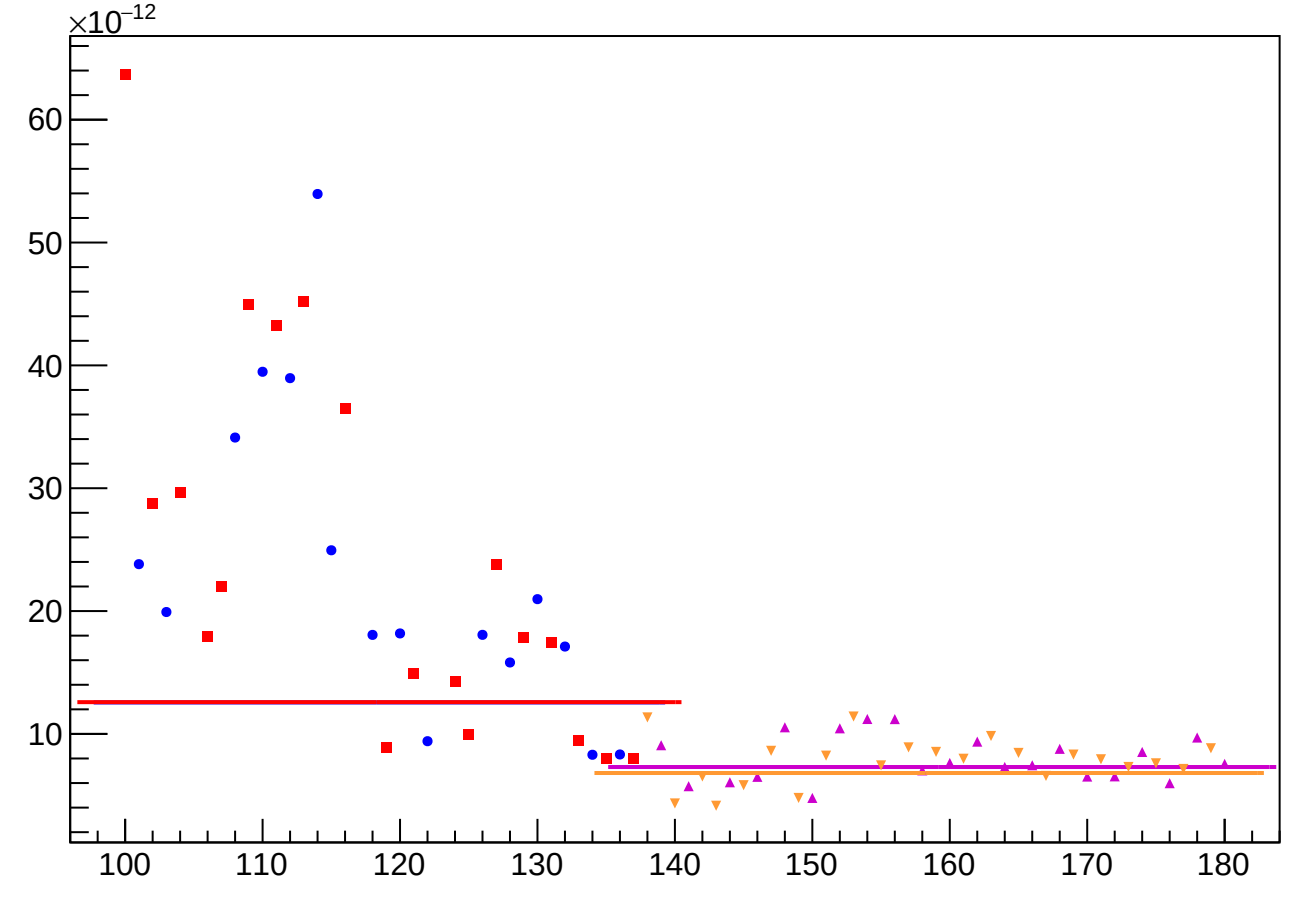
Left In: 36.527+/-0.007 χ^2/NDF:2411092.7/20

+ sign 34.679+/-0.005 χ^2/NDF: 5022508.7/37

All: 35.360+/-0.004 χ^2/NDF: 9325491.1/77

- 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:25.5/21
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: 45.6/37
All: 0.000+/-0.000 χ²/NDF: 82.3/77
- sign 0.000+/-0.000 χ²/NDF: 34.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1825352.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

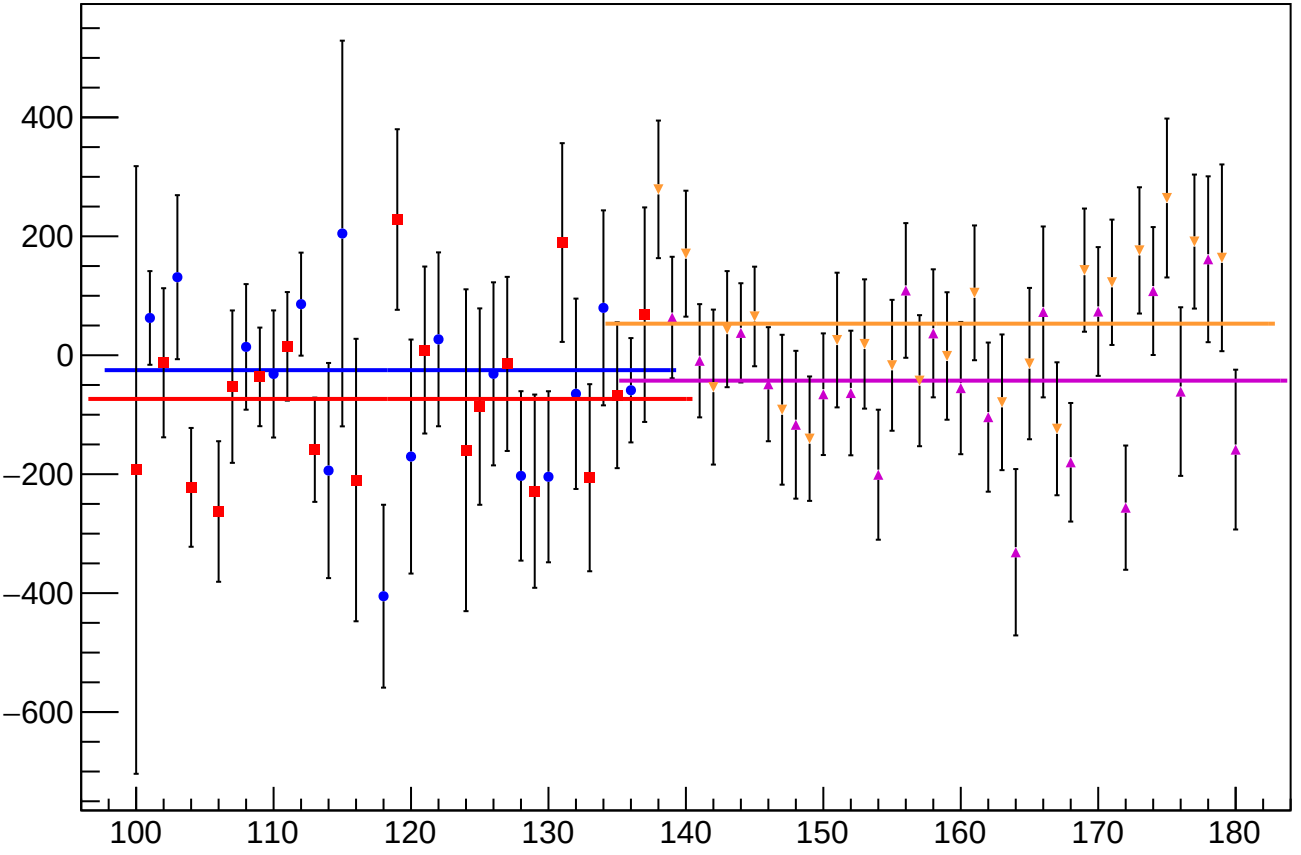
Left In: 0.000+/-0.000 χ^2/NDF:1244609.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 5432141.2/37

All: 0.000+/-0.000 χ^2/NDF: 10618518.3/77

- sign 0.000+/-0.000 χ^2/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: 53.102+/-23.682 χ^2/NDF:23.4/21

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

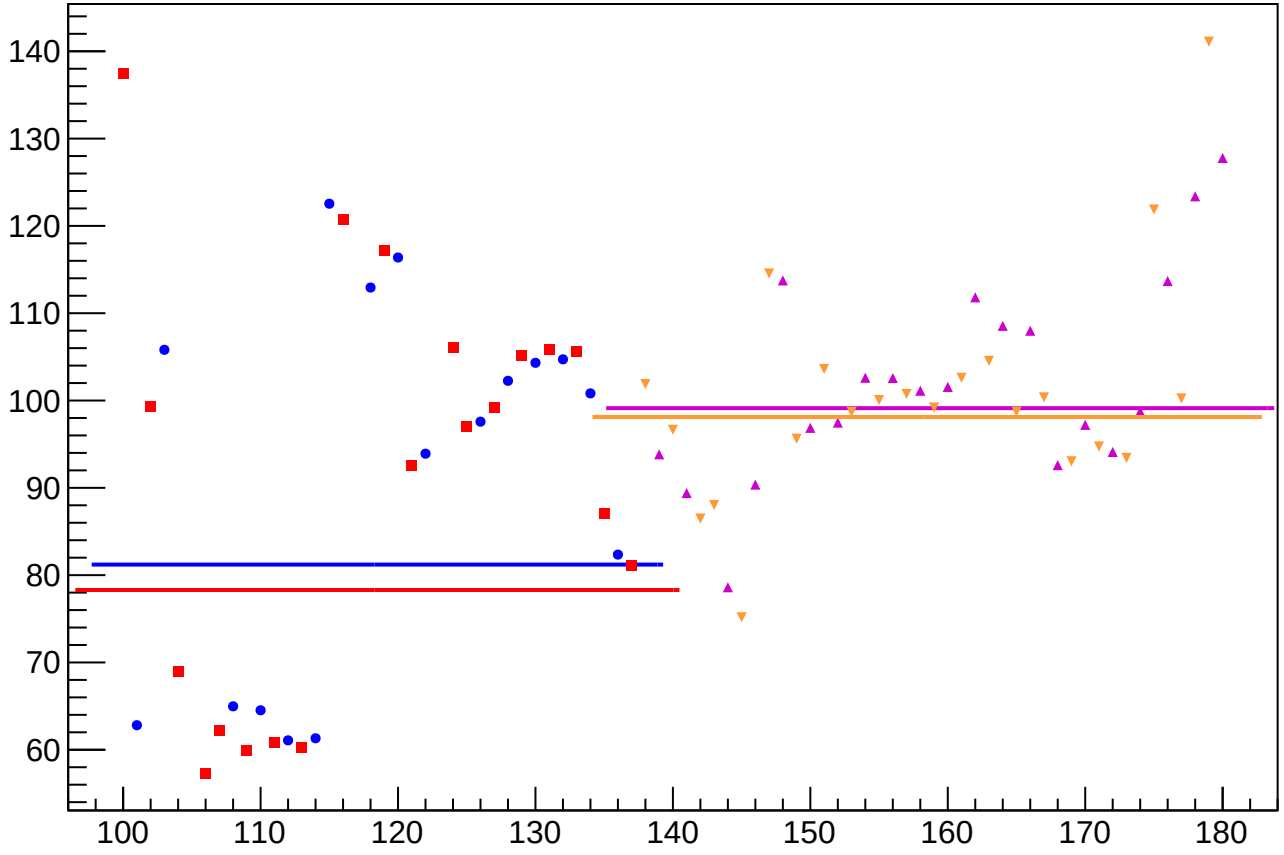
Left In: -42.708+/-24.095 χ^2/NDF:24.3/20

+ sign 24.561+/-18.870 χ^2/NDF: 43.6/37

All: -15.330+/-13.308 χ^2/NDF: 94.2/77

- 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: 98.118+/-0.017 χ^2/NDF:466771.6/21

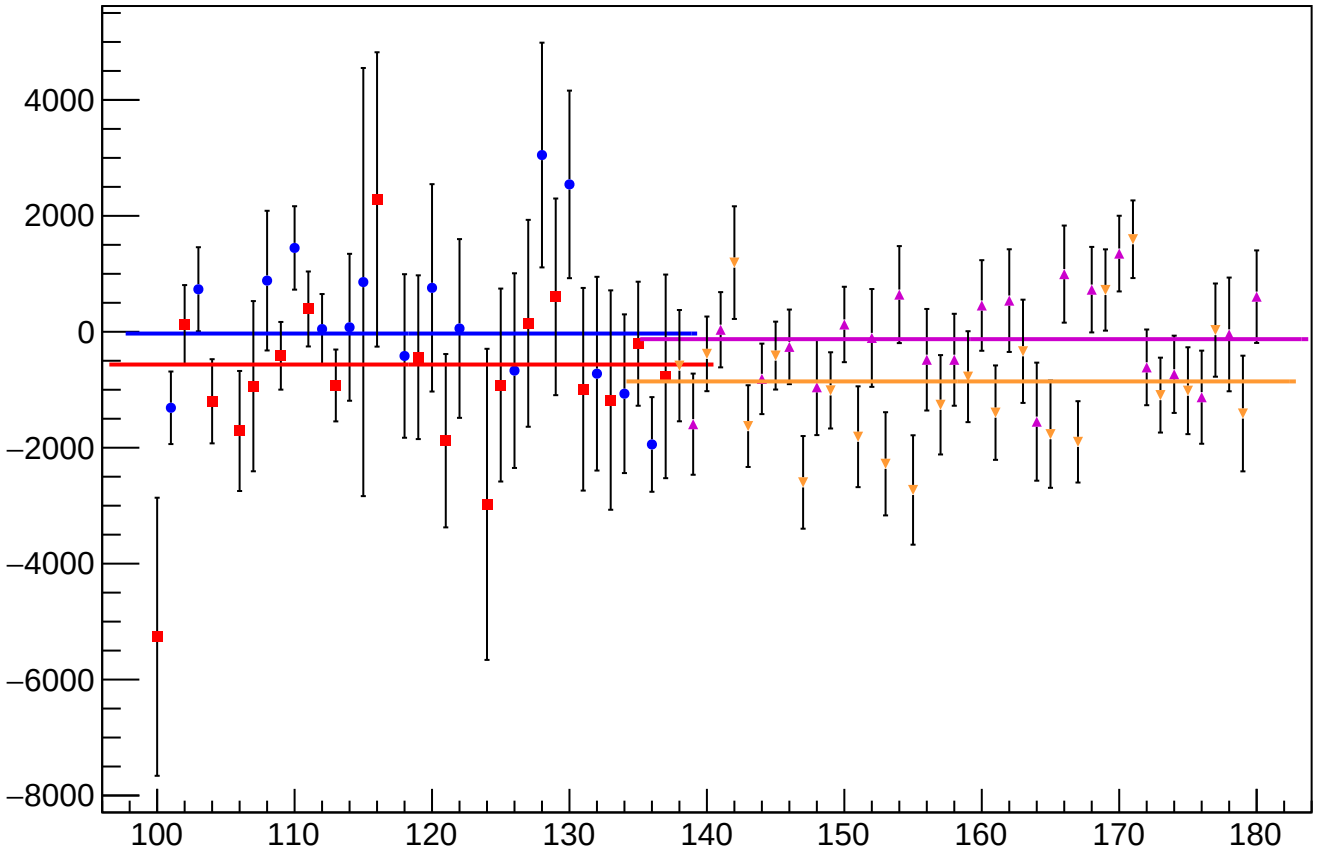
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 99.126+/-0.017 χ^2/NDF:422162.3/20

+ sign 91.945+/-0.013 χ^2/NDF: 1626663.5/37

All: 91.438+/-0.009 χ^2/NDF: 3573933.7/77

- 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: -856.224+/-164.379 χ^2/NDF:43.7/21

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

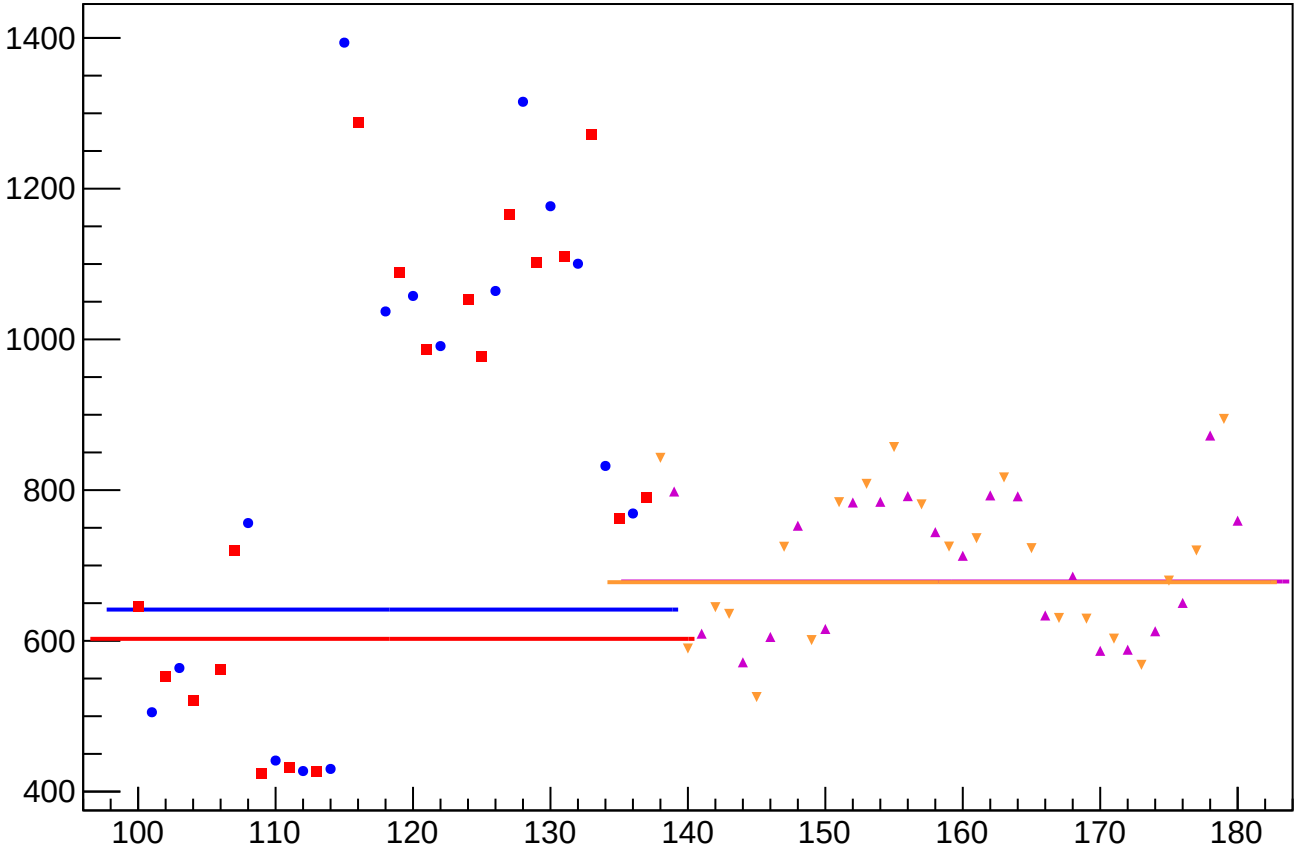
Left In: -127.149+/-165.291 χ^2/NDF:21.7/20

+ sign -616.466+/-138.477 χ^2/NDF: 72.9/37

All: -439.505+/-96.977 χ^2/NDF: 113.3/77

- 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: 677.823+/-0.116 χ^2/NDF:721584.8/21

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

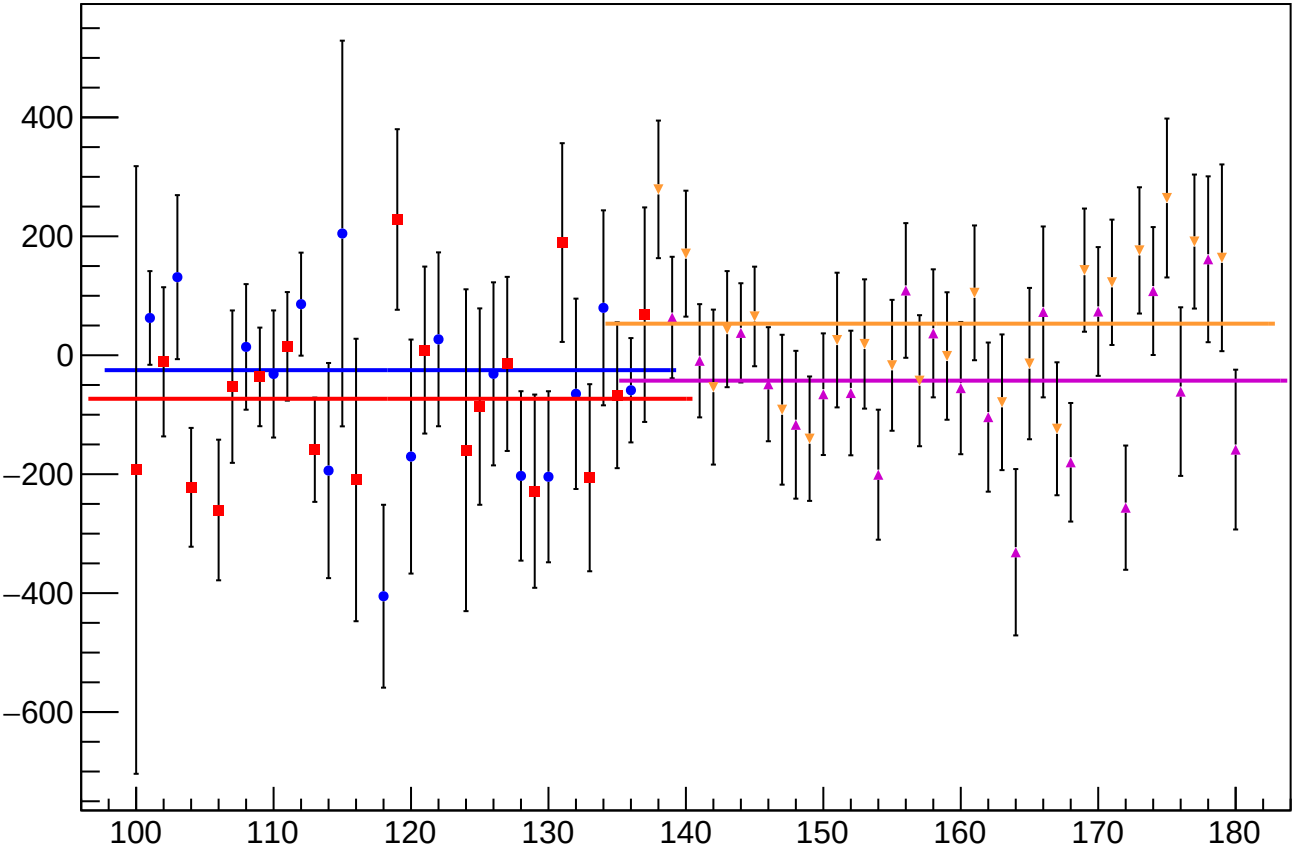
Left In: 678.757+/-0.117 χ^2/NDF:559599.2/20

+ sign 667.277+/-0.098 χ^2/NDF: 2624929.7/37

All: 660.543+/-0.069 χ^2/NDF: 5401686.9/77

- 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: 53.106+/-23.682 χ^2/NDF:23.4/21

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

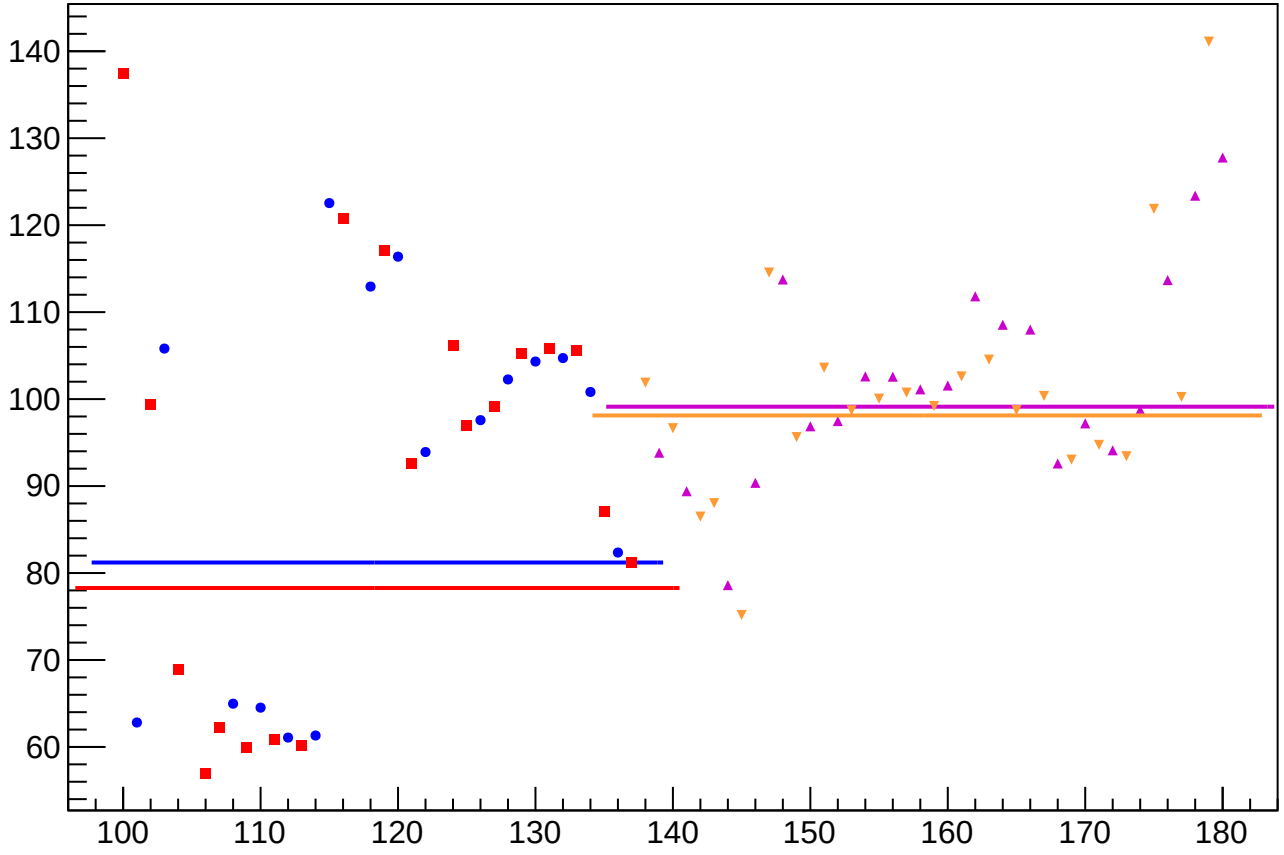
Left In: -42.709+/-24.095 χ^2/NDF:24.3/20

+ sign 24.562+/-18.870 χ^2/NDF: 43.6/37

All: -15.276+/-13.308 χ^2/NDF: 94.1/77

- 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: 98.118+/-0.017 χ^2/NDF:466771.6/21

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

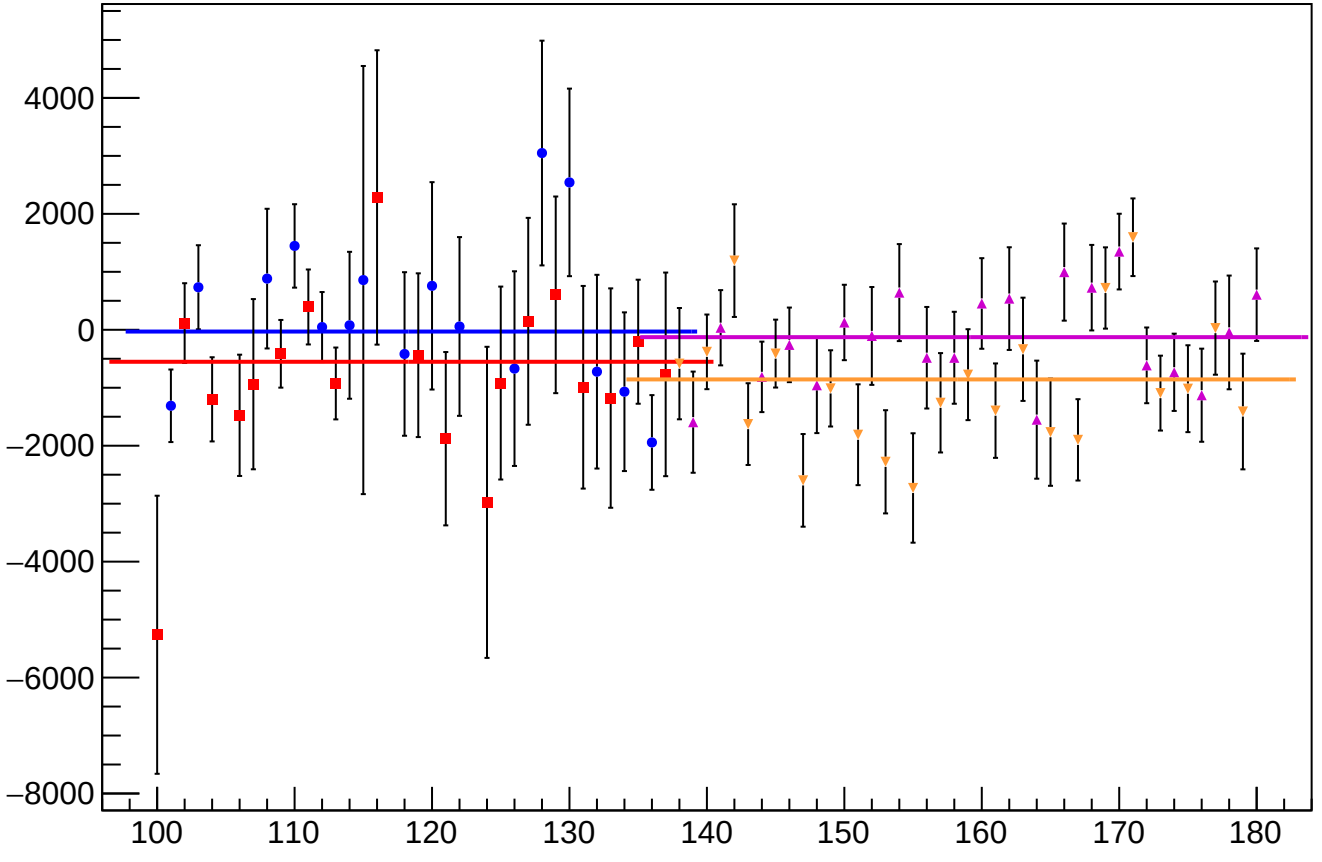
Left In: 99.126+/-0.017 χ^2/NDF:422162.4/20

+ sign 91.945+/-0.013 χ^2/NDF: 1626665.0/37

All: 91.435+/-0.009 χ^2/NDF: 3577120.5/77

- sign 90.931+/-0.013 χ^2/NDF: 1947552.9/39

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -856.218+/-164.379 χ^2/NDF:43.7/21

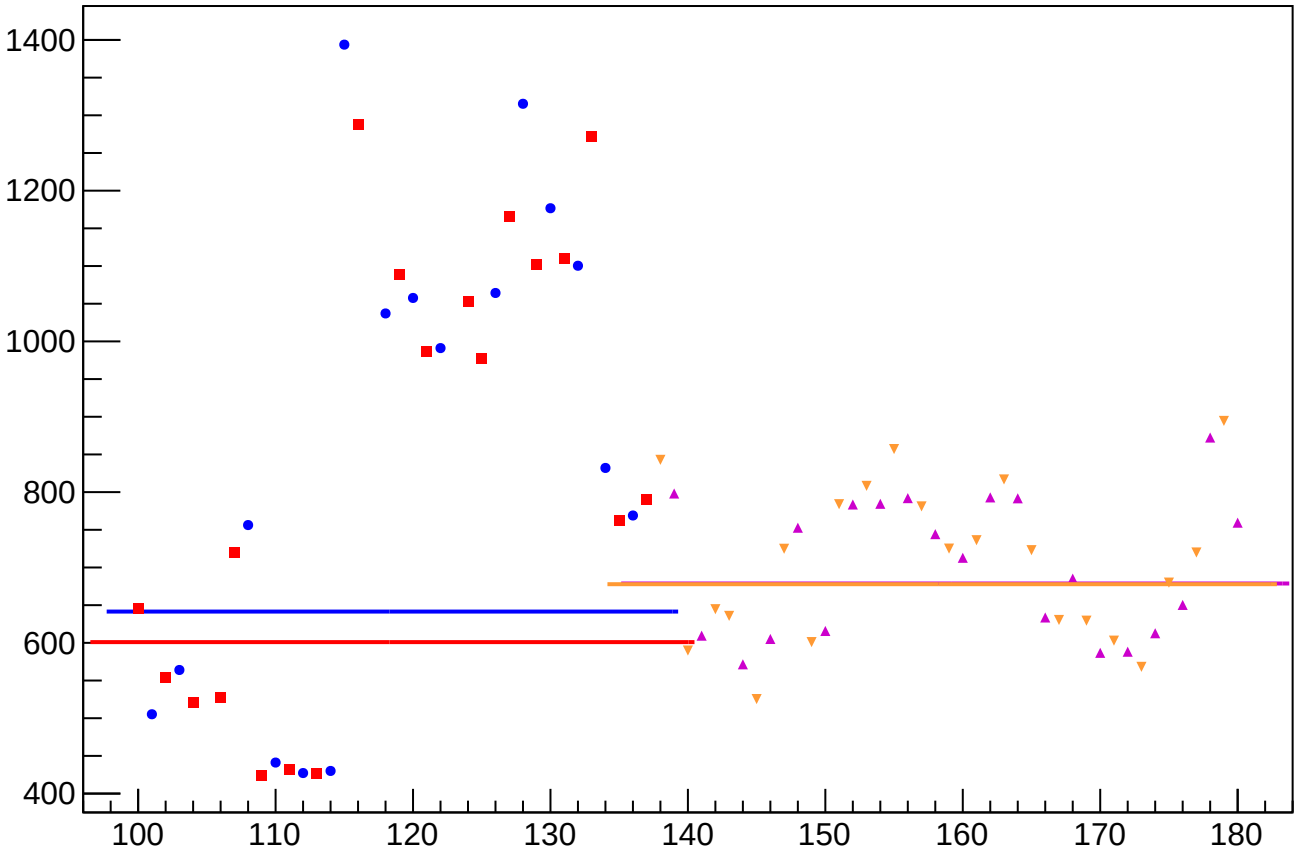
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -127.148+/-165.291 χ^2/NDF:21.7/20

+ sign -616.474+/-138.477 χ^2/NDF: 72.9/37

All: -437.345+/-96.987 χ^2/NDF: 112.8/77

- 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: 677.823+/-0.116 χ^2/NDF:721584.6/21

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

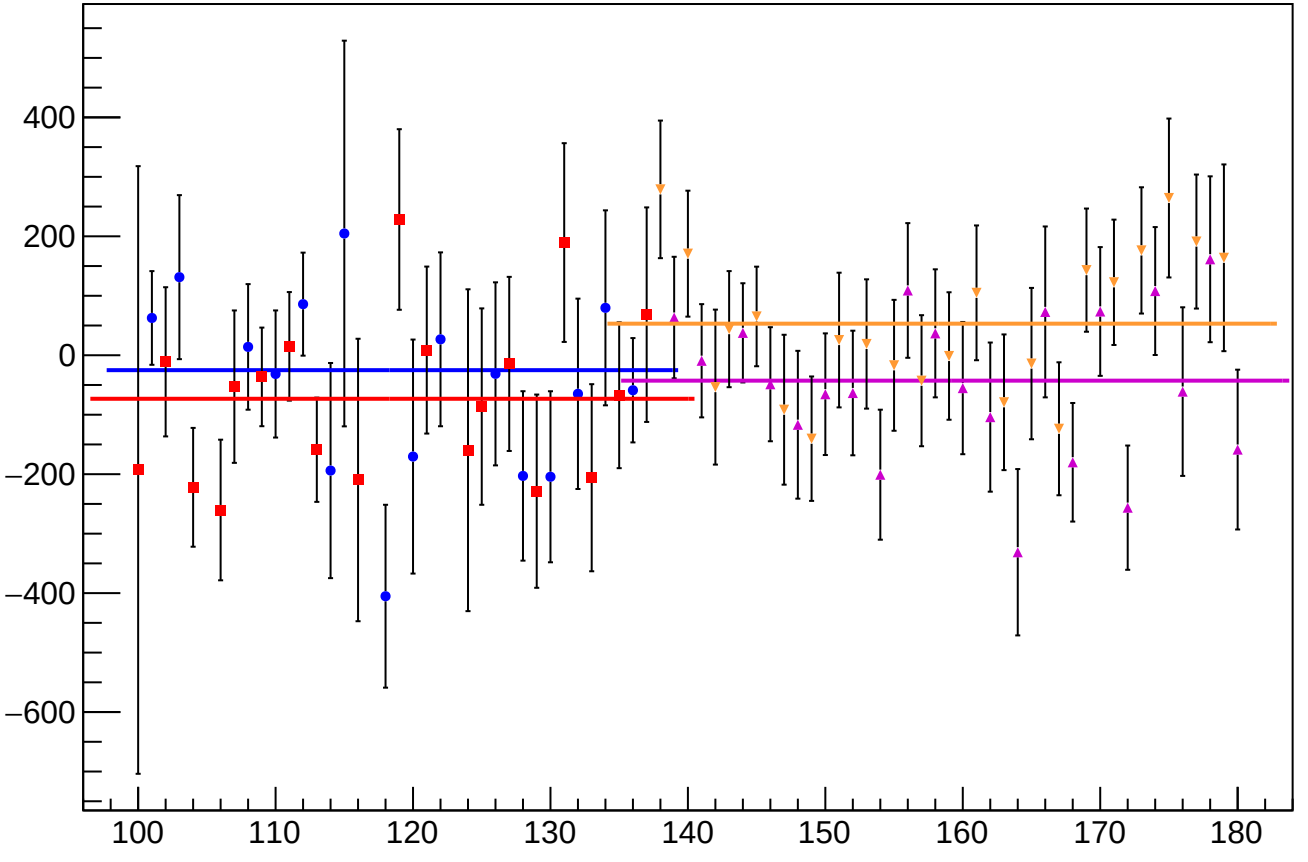
Left In: 678.757+/-0.117 χ^2/NDF:559600.3/20

+ sign 667.279+/-0.098 χ^2/NDF: 2624874.1/37

All: 660.279+/-0.069 χ^2/NDF: 5415323.0/77

- 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: 53.106+/-23.682 χ^2/NDF:23.4/21

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

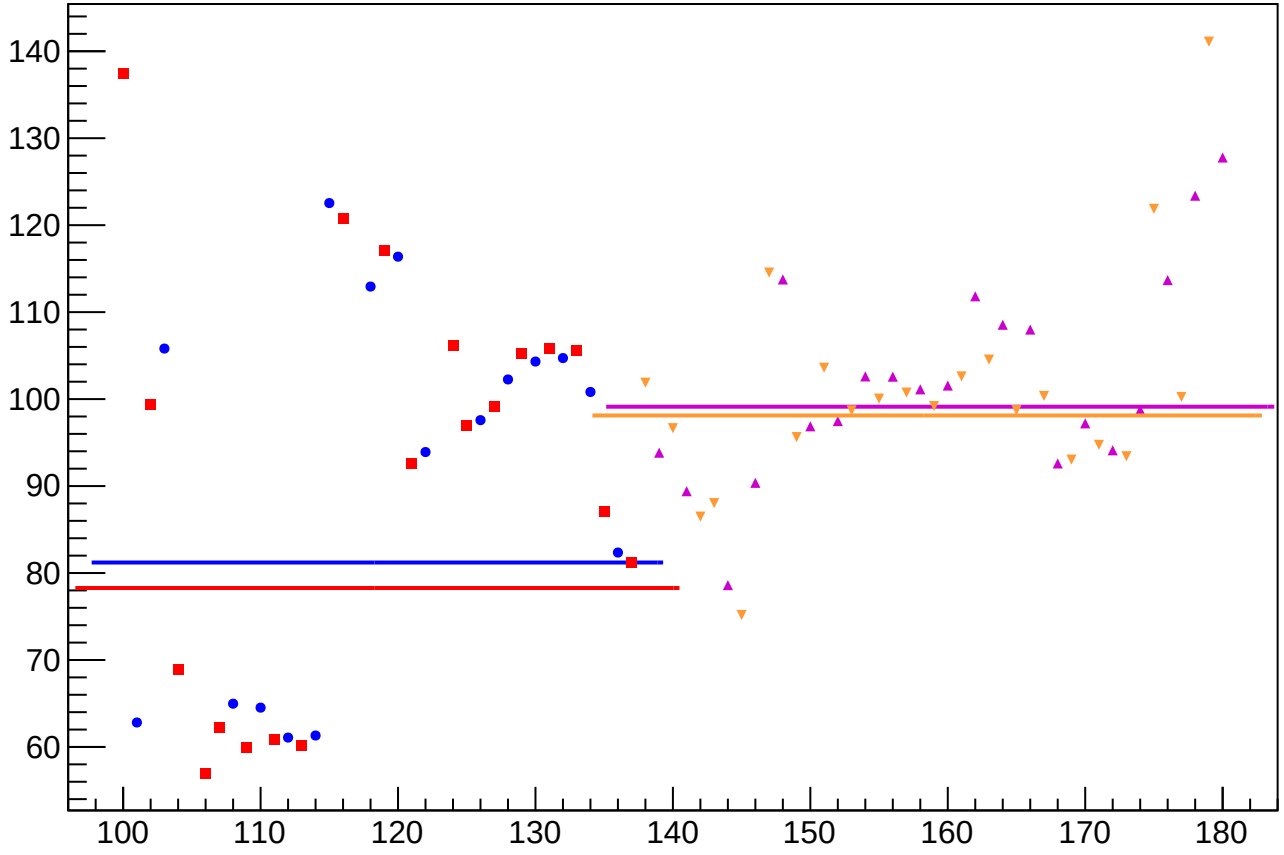
Left In: -42.709+/-24.095 χ^2/NDF:24.3/20

+ sign 24.562+/-18.870 χ^2/NDF: 43.6/37

All: -15.276+/-13.308 χ^2/NDF: 94.1/77

- 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: 98.118+/-0.017 χ^2/NDF:466771.6/21

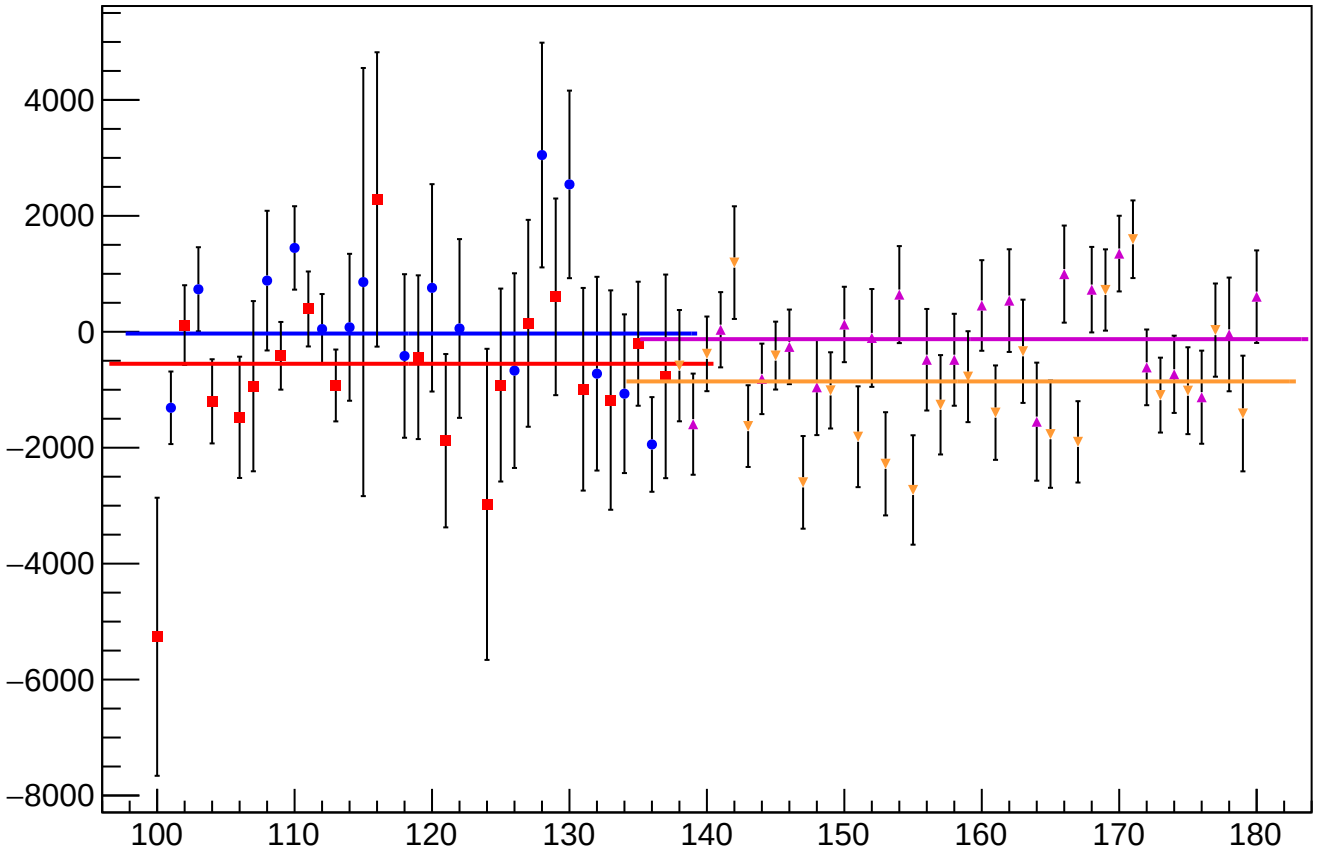
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 99.126+/-0.017 χ^2/NDF:422162.4/20

+ sign 91.945+/-0.013 χ^2/NDF: 1626665.0/37

All: 91.435+/-0.009 χ^2/NDF: 3577120.5/77

- 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: -856.218+/-164.379 χ^2/NDF:43.7/21

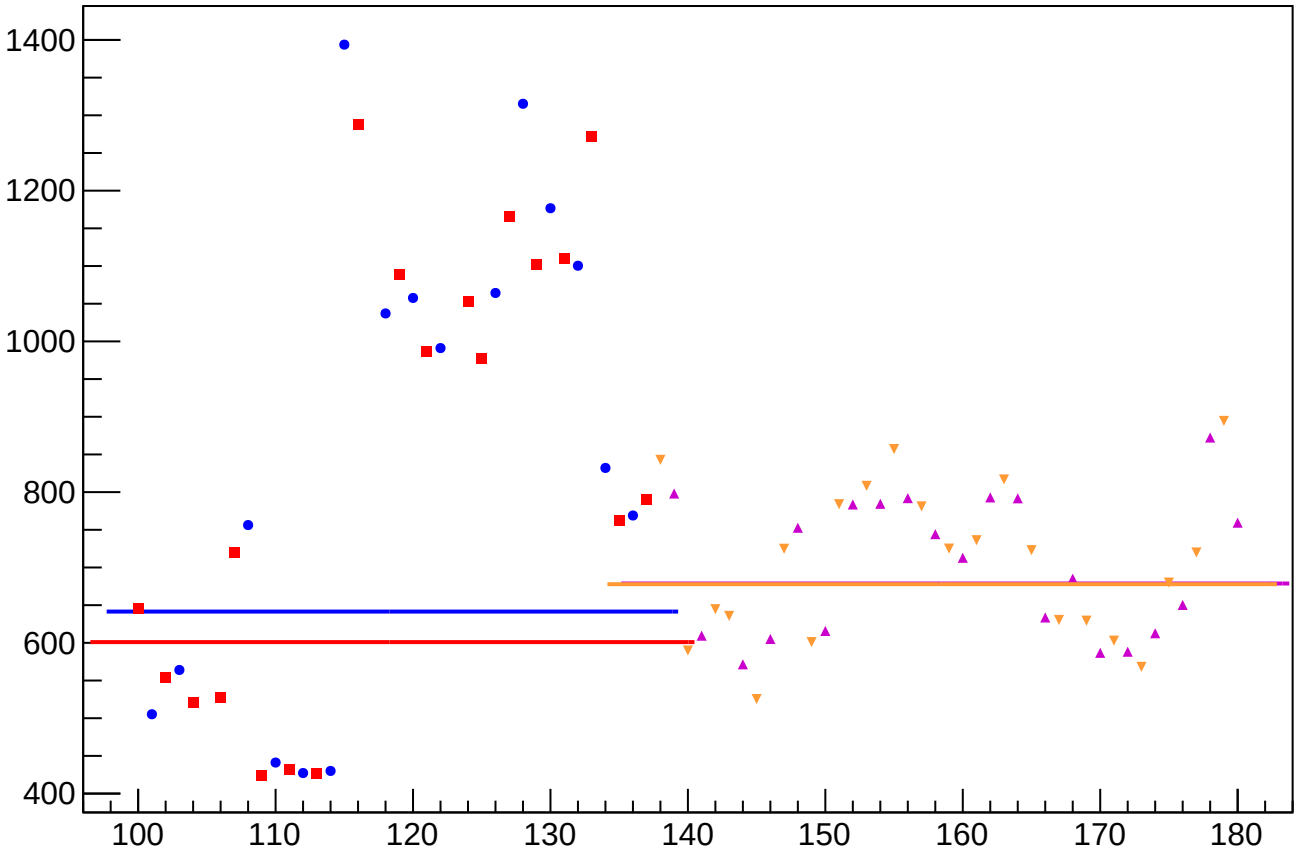
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -127.148+/-165.291 χ^2/NDF:21.7/20

+ sign -616.474+/-138.477 χ^2/NDF: 72.9/37

All: -437.345+/-96.987 χ^2/NDF: 112.8/77

- 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: 677.823+/-0.116 χ^2/NDF:721584.6/21

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

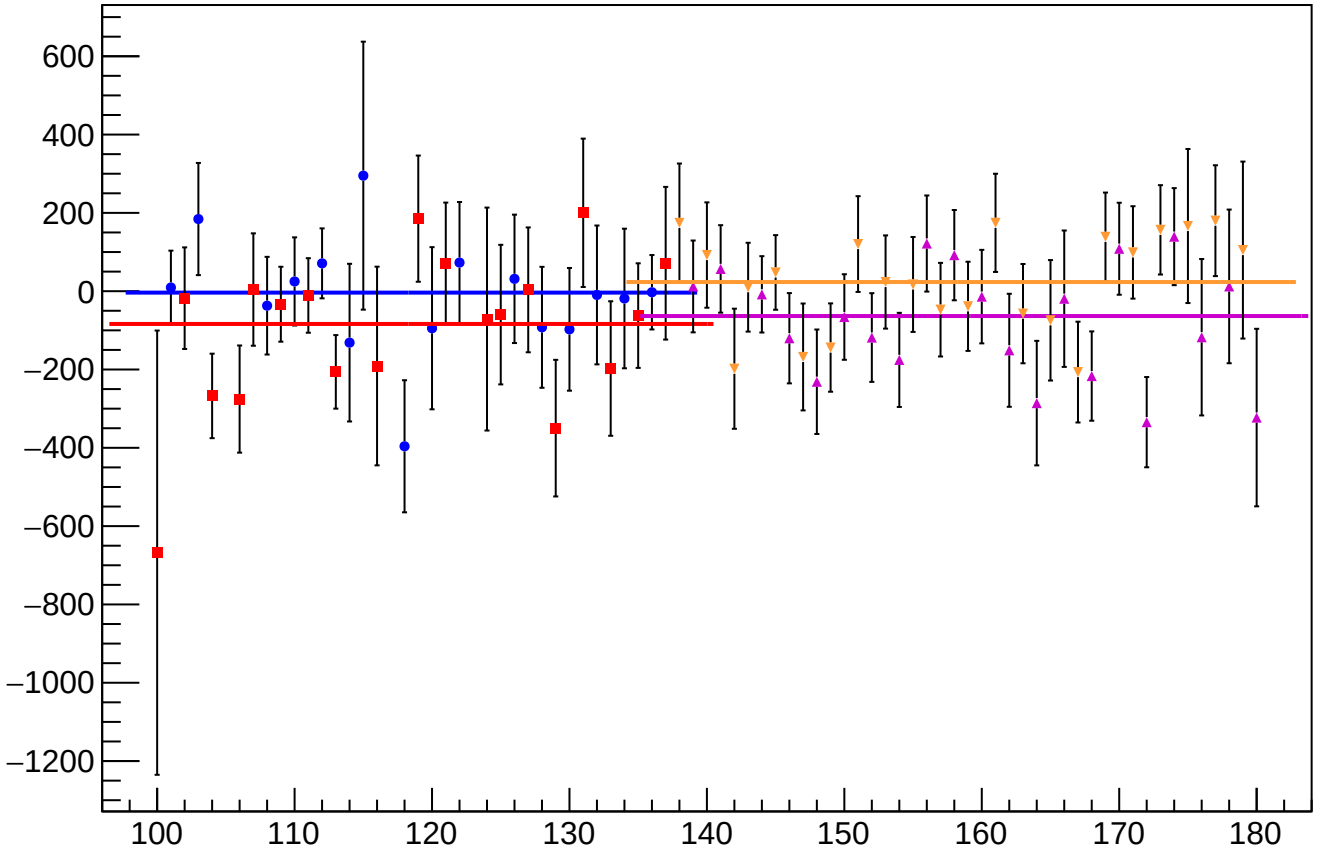
Left In: 678.757+/-0.117 χ^2/NDF:559600.3/20

+ sign 667.279+/-0.098 χ^2/NDF: 2624874.1/37

All: 660.279+/-0.069 χ^2/NDF: 5415323.0/77

- 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: 23.375+/-27.070 χ^2/NDF:19.0/21

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

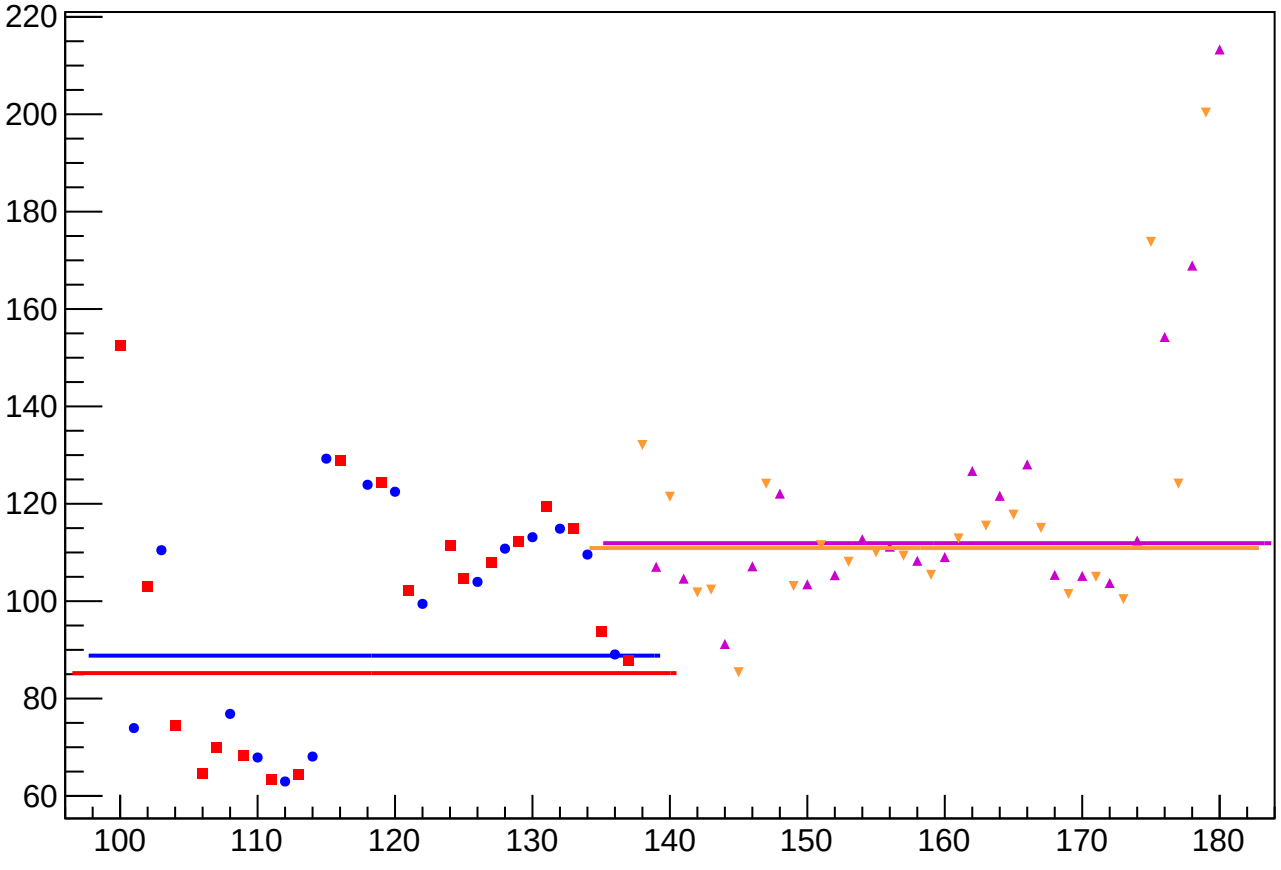
Left In: -63.447+/-27.597 χ^2/NDF:25.2/20

+ sign 12.954+/-21.214 χ^2/NDF: 29.7/37

All: -29.750+/-14.950 χ^2/NDF: 82.2/77

- 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: 110.907+/-0.019 χ^2/NDF:827725.5/21

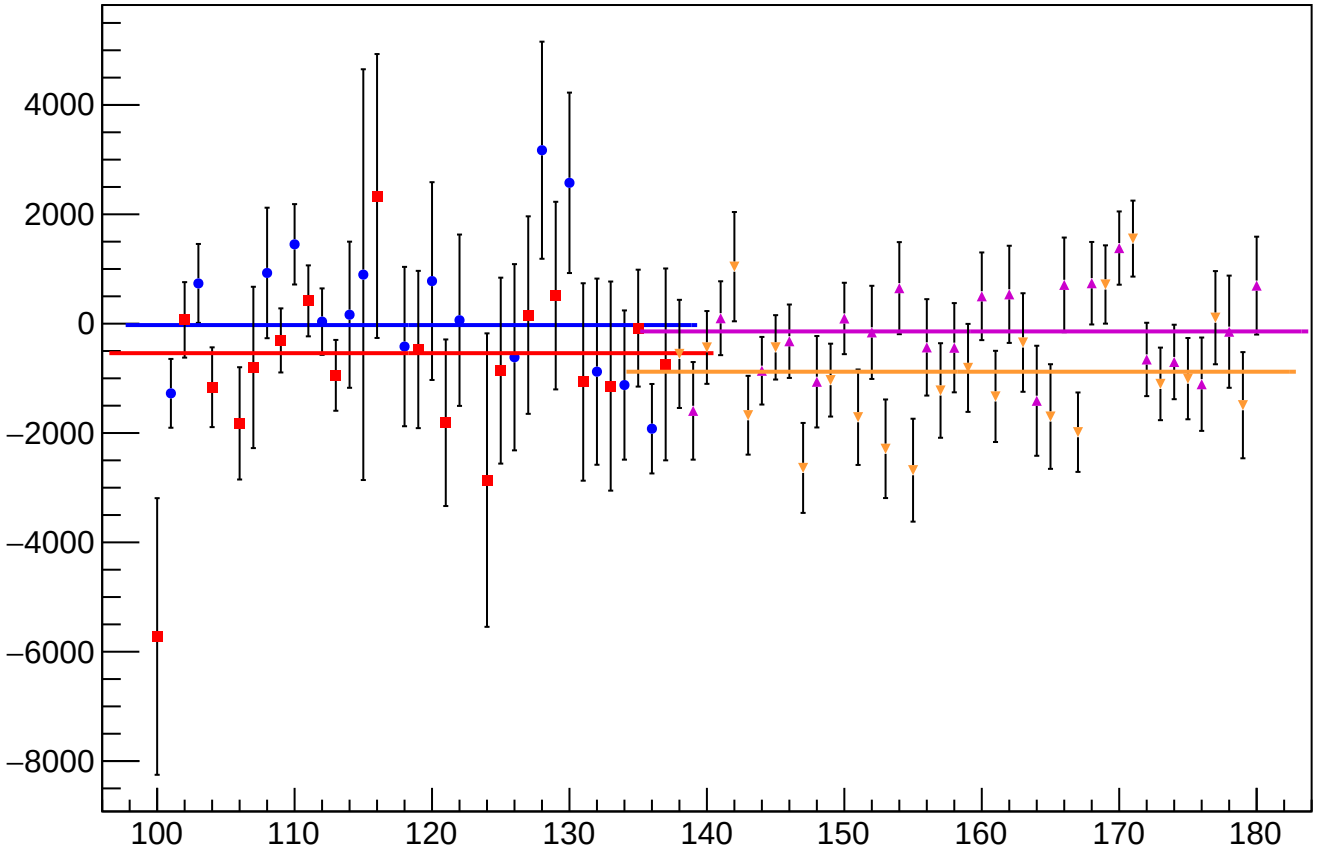
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 111.909+/-0.020 χ^2/NDF:866897.3/20

+ sign 102.382+/-0.015 χ^2/NDF: 2066378.1/37

All: 101.577+/-0.011 χ^2/NDF: 4602782.9/77

- 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: -878.785+/-167.677 χ^2/NDF:40.7/21

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

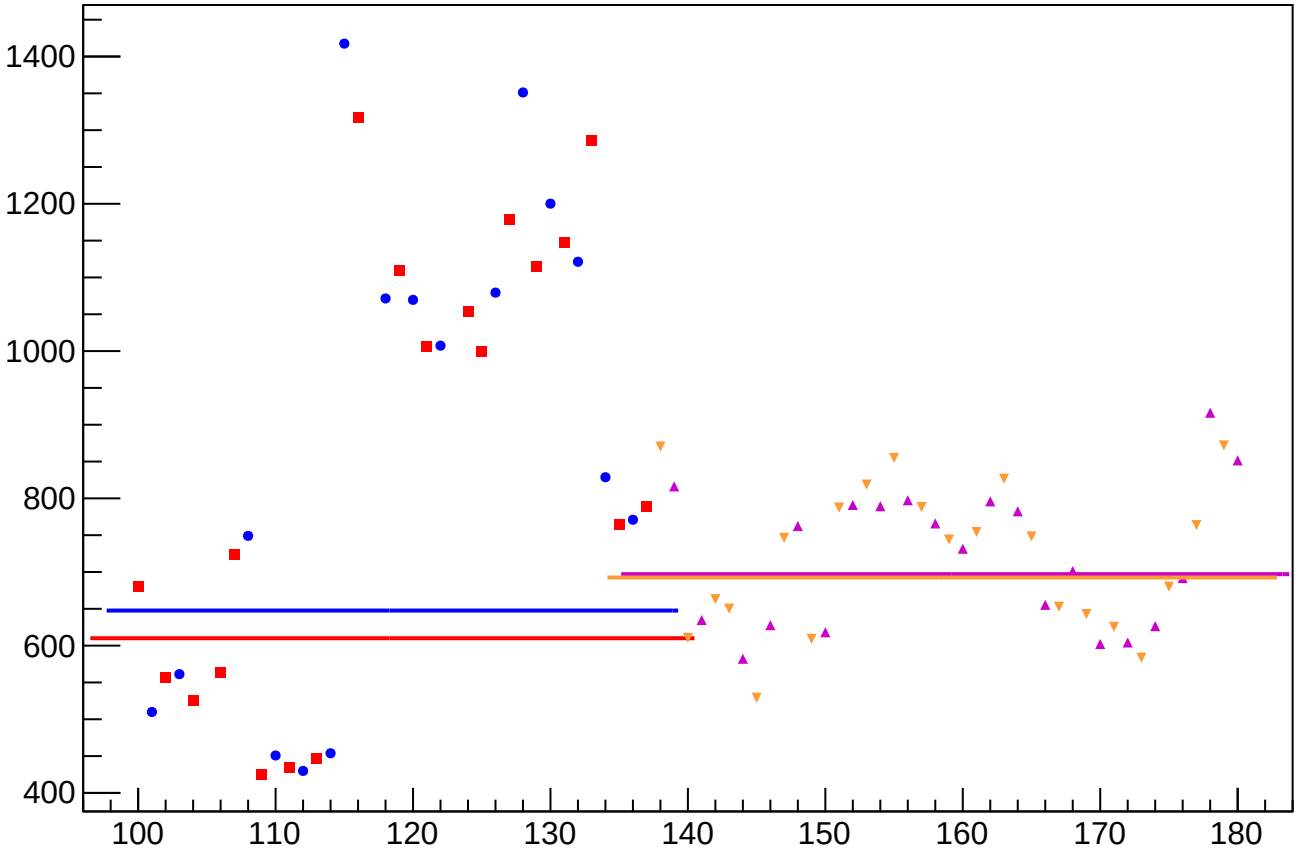
Left In: -141.974+/-169.732 χ^2/NDF:20.4/20

\+ sign -627.403+/-140.819 χ^2/NDF: 69.9/37

All: -447.991+/-98.858 χ^2/NDF: 108.9/77

\- 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: 692.535+/-0.119 χ^2/NDF:685292.5/21

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

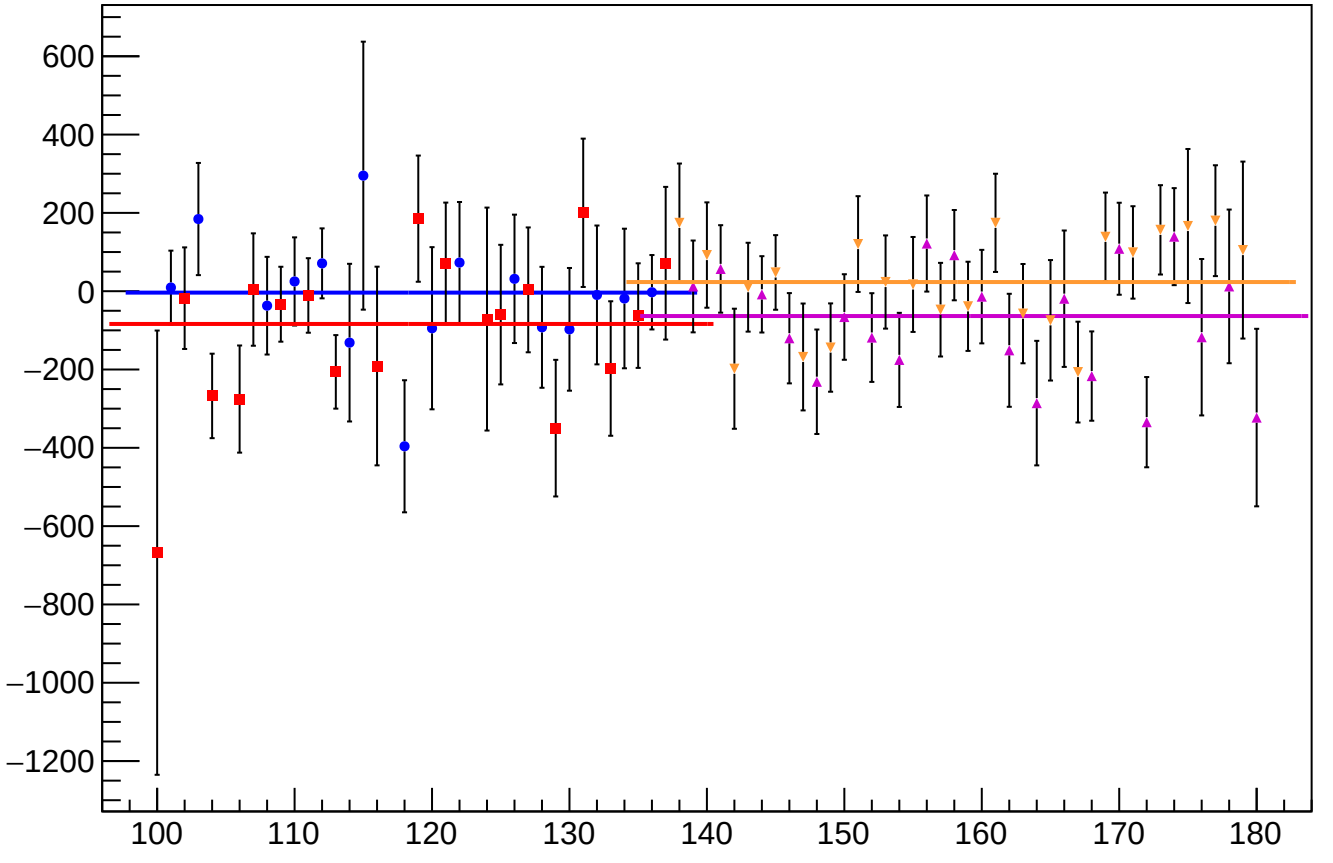
Left In: 697.051+/-0.120 χ^2/NDF:571265.8/20

+ sign 679.305+/-0.100 χ^2/NDF: 2615360.9/37

All: 673.697+/-0.070 χ^2/NDF: 5441081.8/77

- 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: 23.377+/-27.070 χ^2/NDF:19.0/21

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

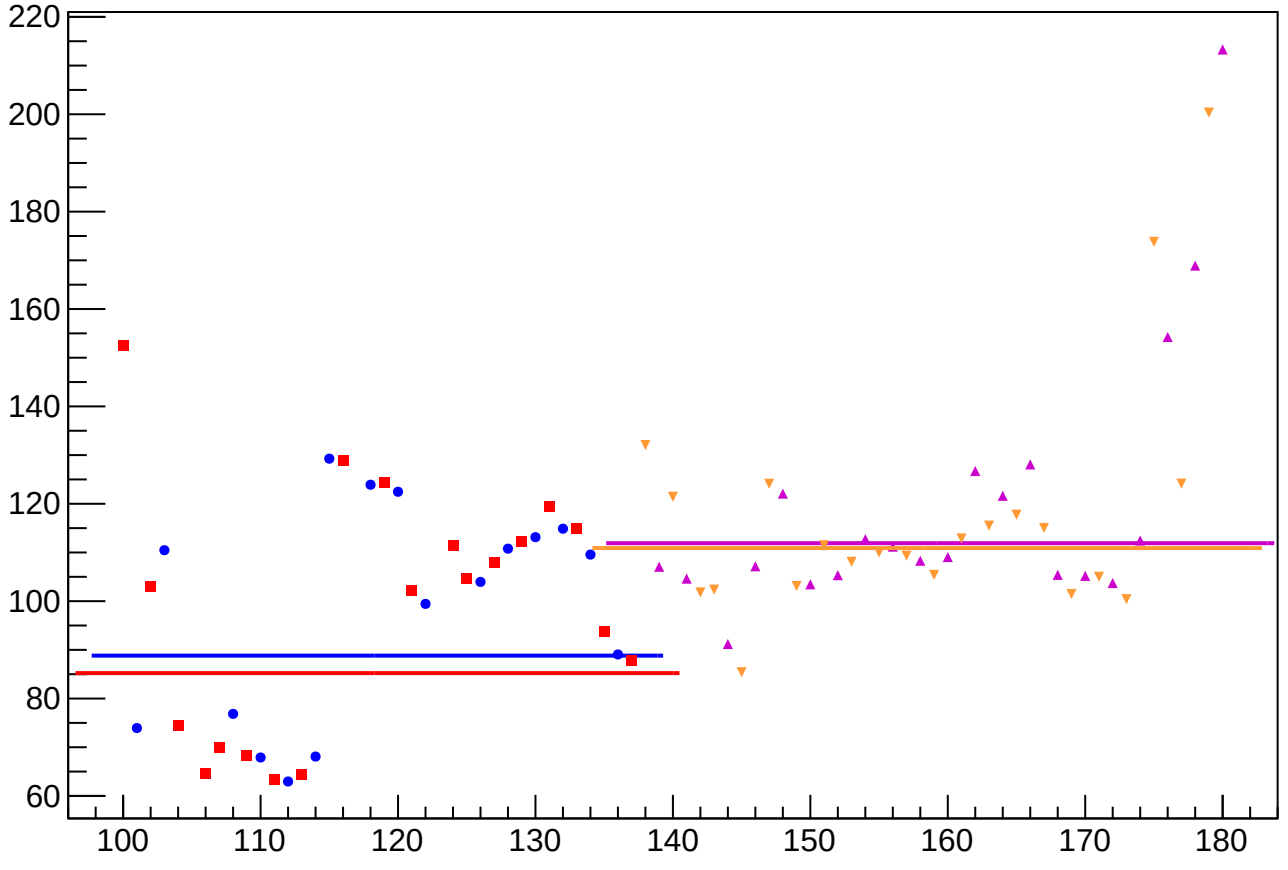
Left In: -63.447+/-27.597 χ^2/NDF:25.2/20

+ sign 12.955+/-21.214 χ^2/NDF: 29.7/37

All: -29.749+/-14.950 χ^2/NDF: 82.2/77

- 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: 110.907+/-0.019 χ^2/NDF:827721.0/21

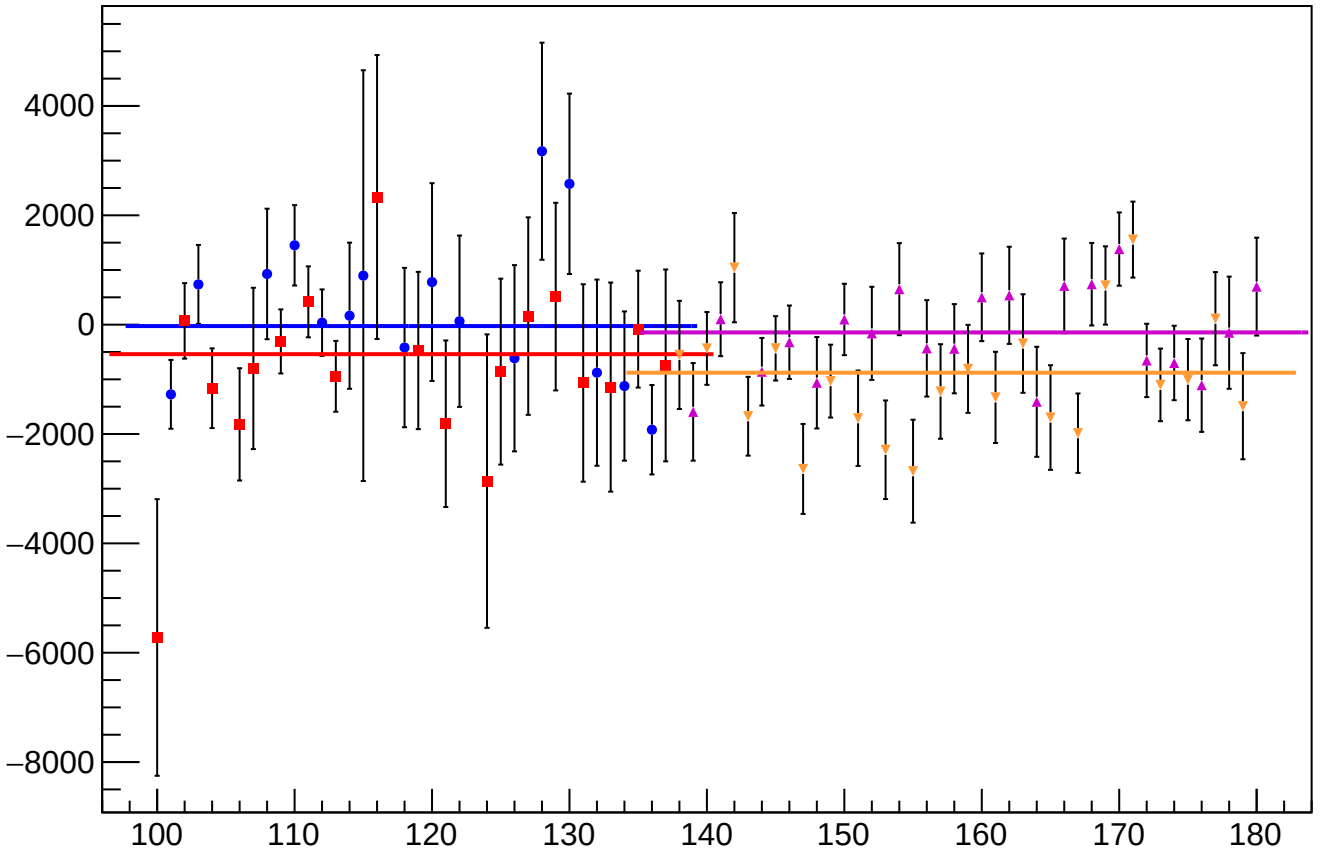
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 111.909+/-0.020 χ^2/NDF:866876.7/20

+ sign 102.382+/-0.015 χ^2/NDF: 2066379.7/37

All: 101.577+/-0.011 χ^2/NDF: 4602776.6/77

- 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: -878.783+/-167.677 χ^2/NDF:40.7/21

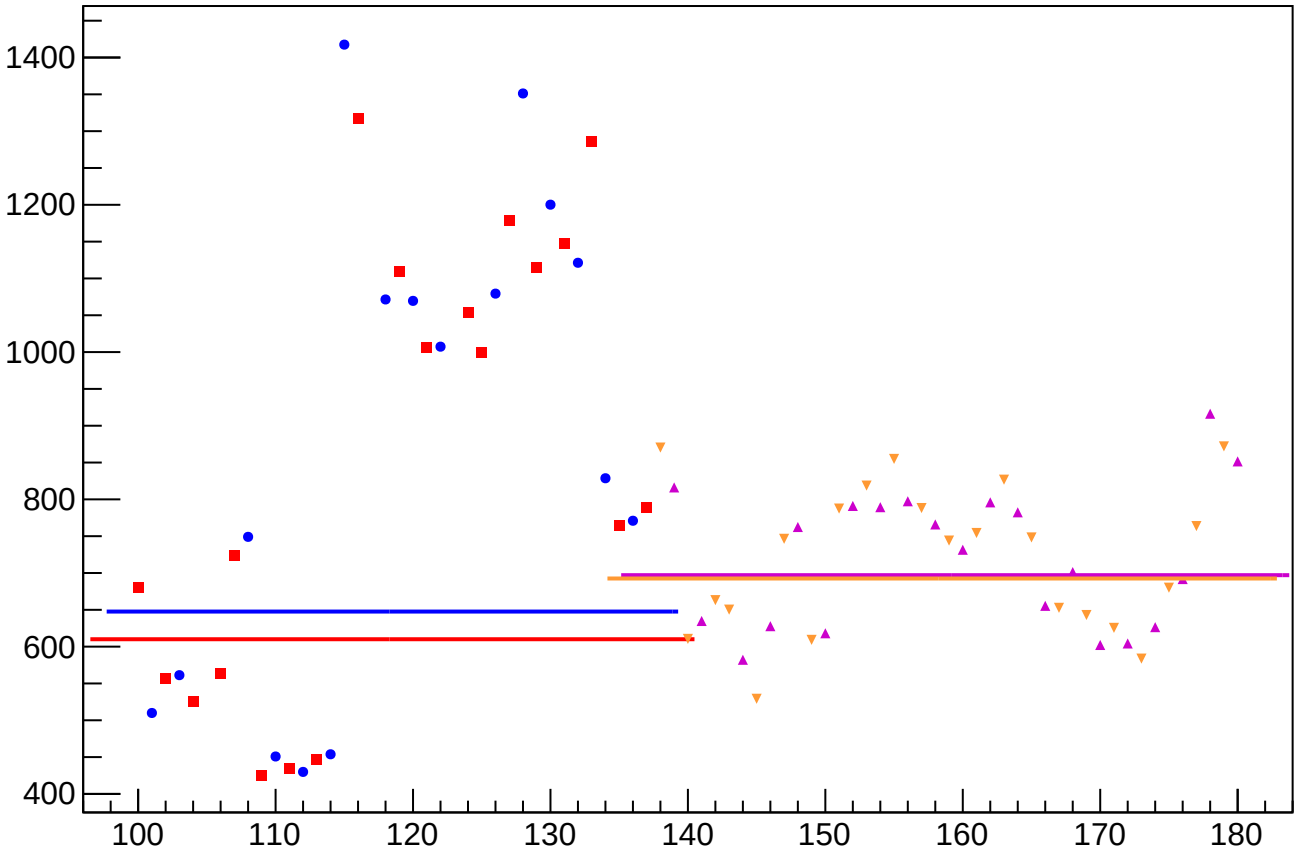
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -141.972+/-169.732 χ^2/NDF:20.4/20

+ sign -627.402+/-140.819 χ^2/NDF: 69.9/37

All: -447.990+/-98.858 χ^2/NDF: 108.9/77

- sign -273.646+/-138.815 χ^2/NDF: 35.9/39



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 692.535+/-0.119 χ^2/NDF:685291.1/21

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

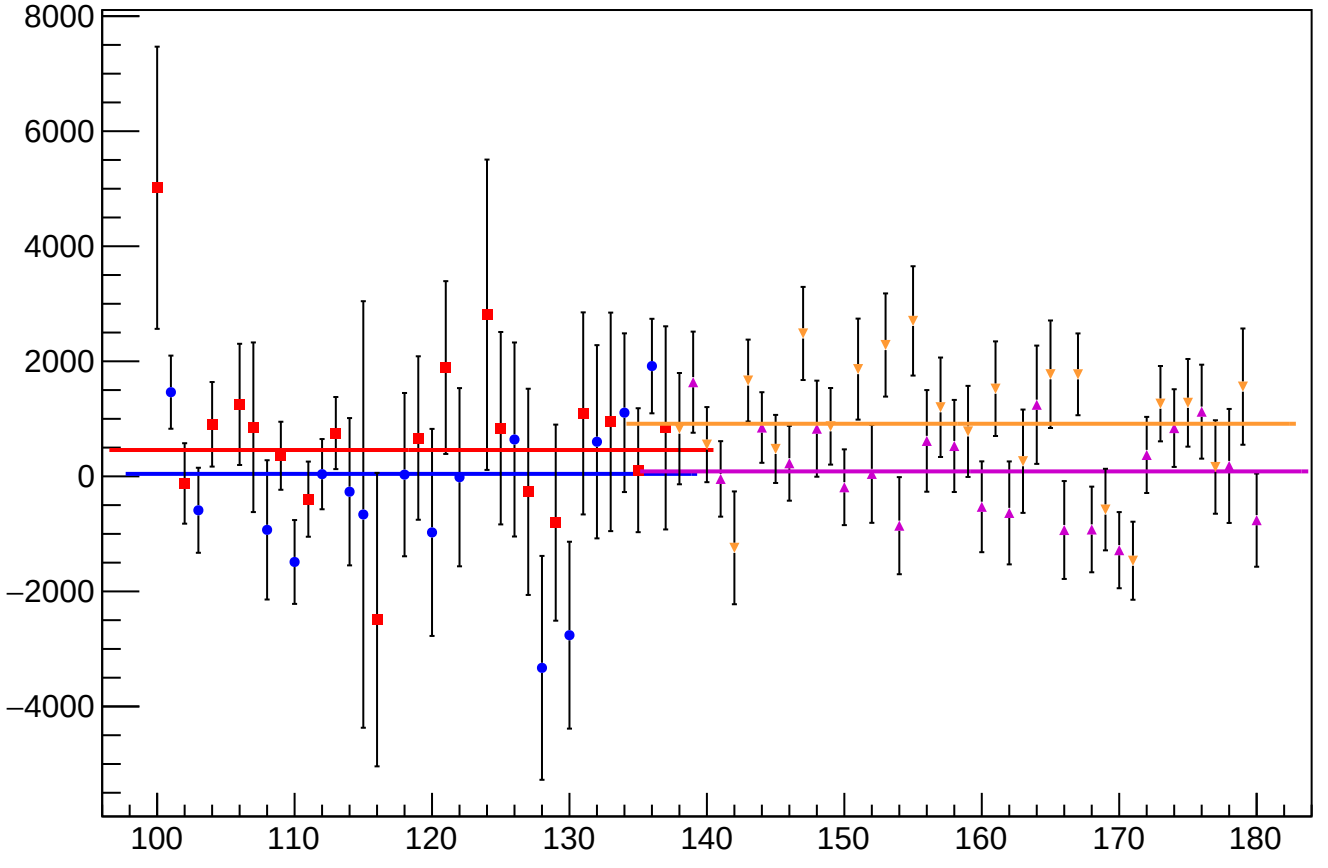
Left In: 697.050+/-0.120 χ^2/NDF:571260.7/20

+ sign 679.304+/-0.100 χ^2/NDF: 2615364.5/37

All: 673.696+/-0.070 χ^2/NDF: 5441083.7/77

- 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: 914.320+/-166.202 χ^2/NDF:39.7/21

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

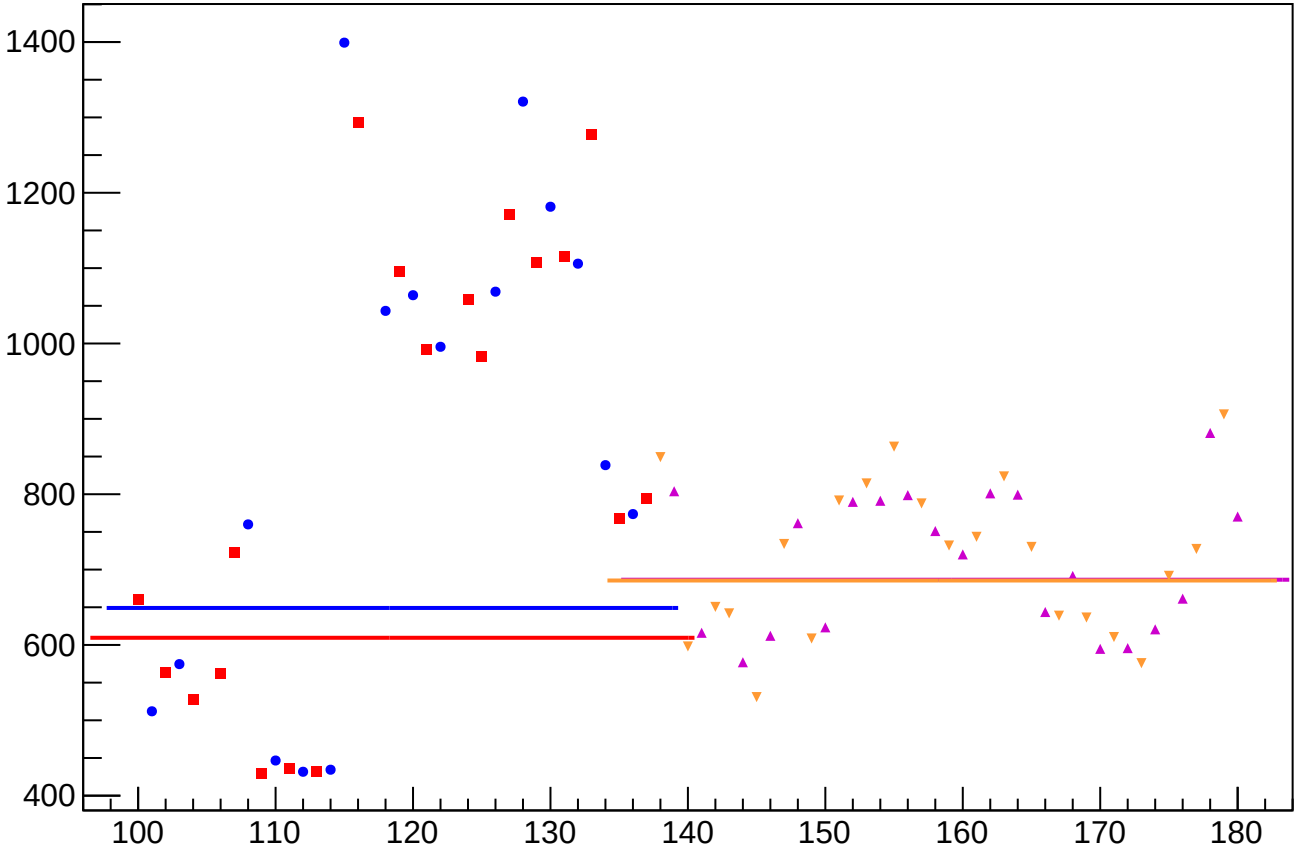
Left In: 86.223+/-167.156 χ^2/NDF:21.9/20

+ sign 661.322+/-140.004 χ^2/NDF: 70.9/37

All: 429.821+/-98.054 χ^2/NDF: 111.0/77

- 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: 685.517+/-0.118 χ^2/NDF:710327.4/21

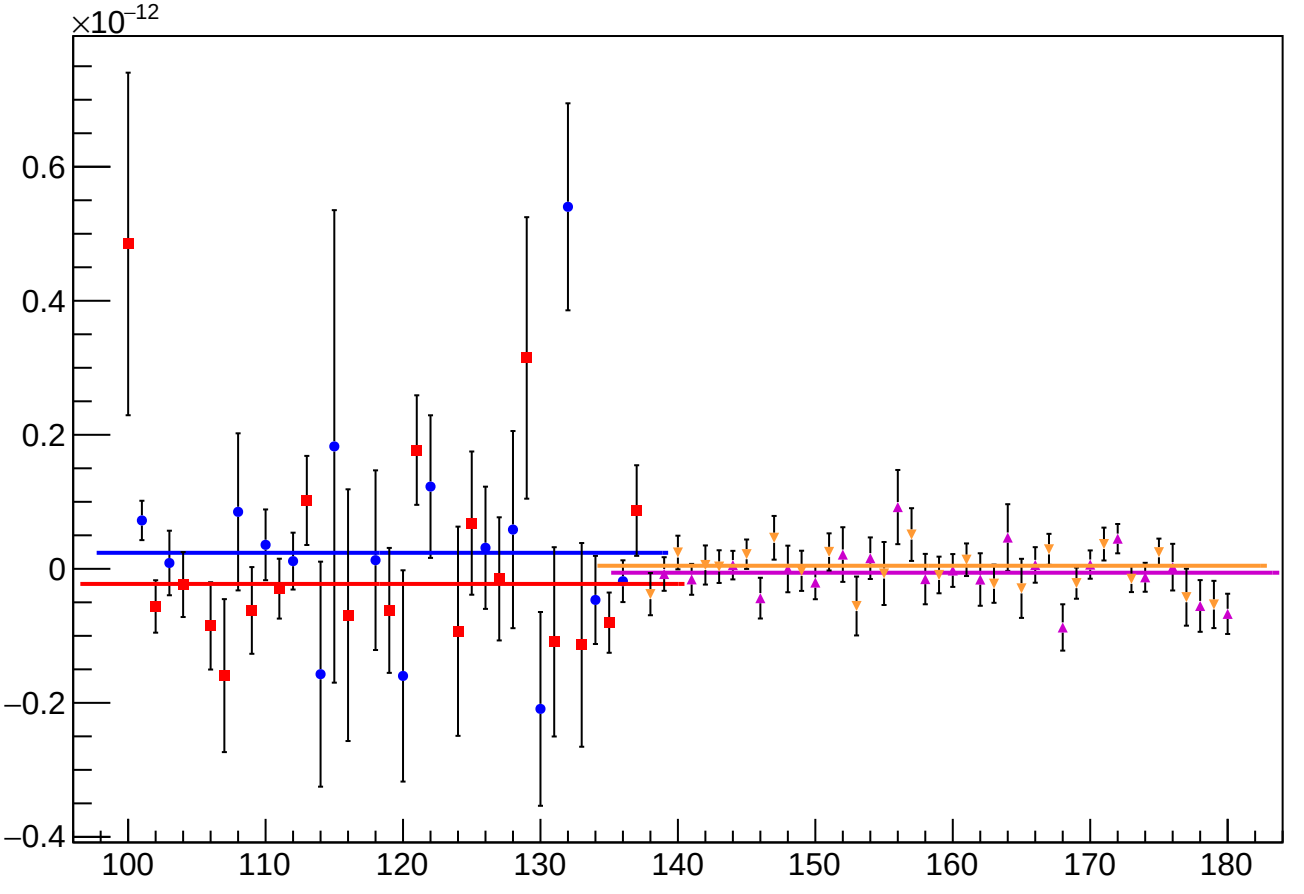
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 686.548+/-0.118 χ^2/NDF:550030.2/20

+ sign 674.938+/-0.099 χ^2/NDF: 2584043.1/37

All: 668.114+/-0.069 χ^2/NDF: 5324863.9/77

- sign 661.544+/-0.097 χ^2/NDF: 2731493.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/21

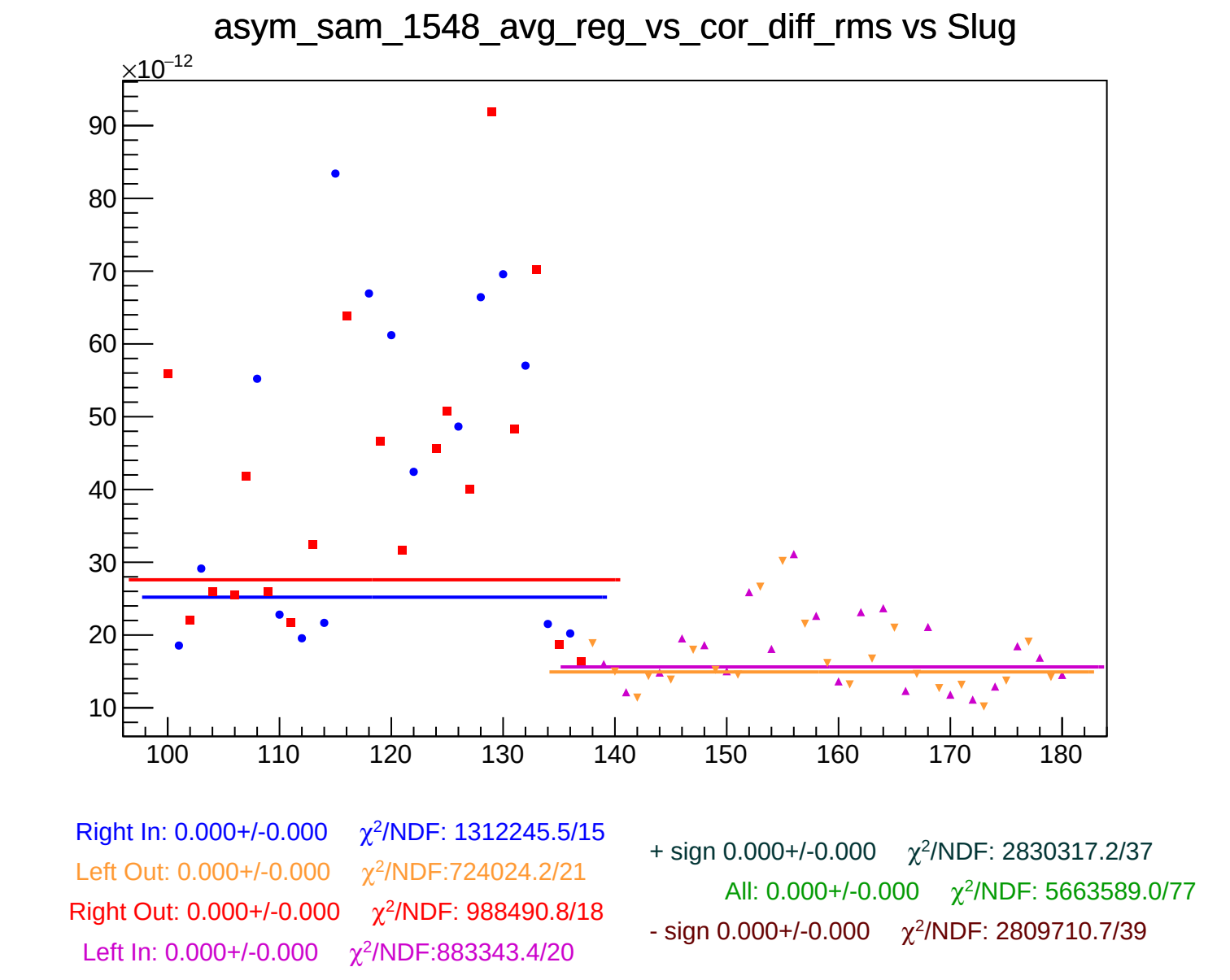
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

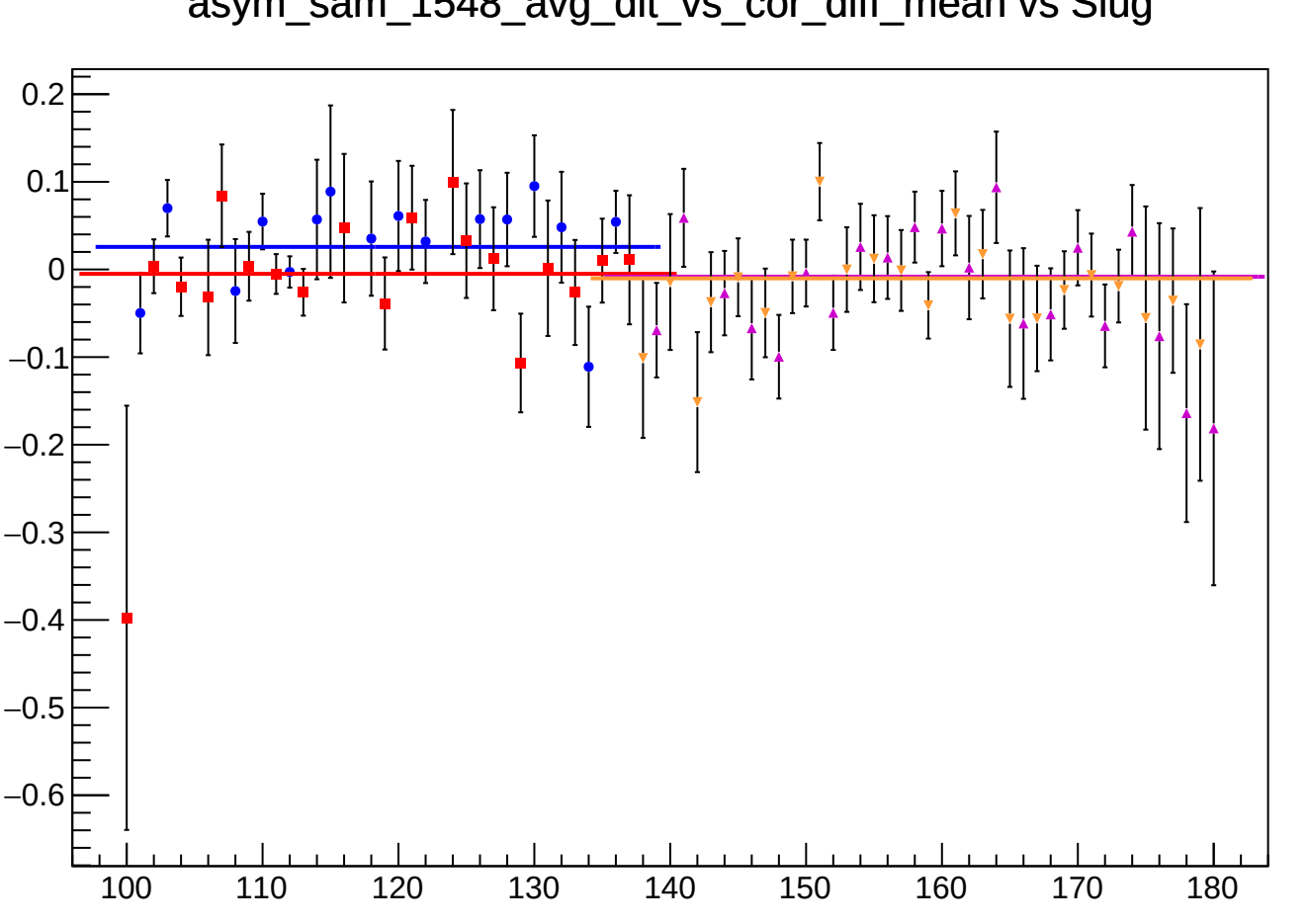
Left In: -0.000+/-0.000 χ^2/NDF:25.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/37

All: 0.000+/-0.000 χ^2/NDF: 100.8/77

- sign -0.000+/-0.000 χ^2/NDF: 51.8/39


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:724024.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:883343.4/20
+ sign 0.000+/-0.000 χ²/NDF: 2830317.2/37
All: 0.000+/-0.000 χ²/NDF: 5663589.0/77
- 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:16.4/21

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

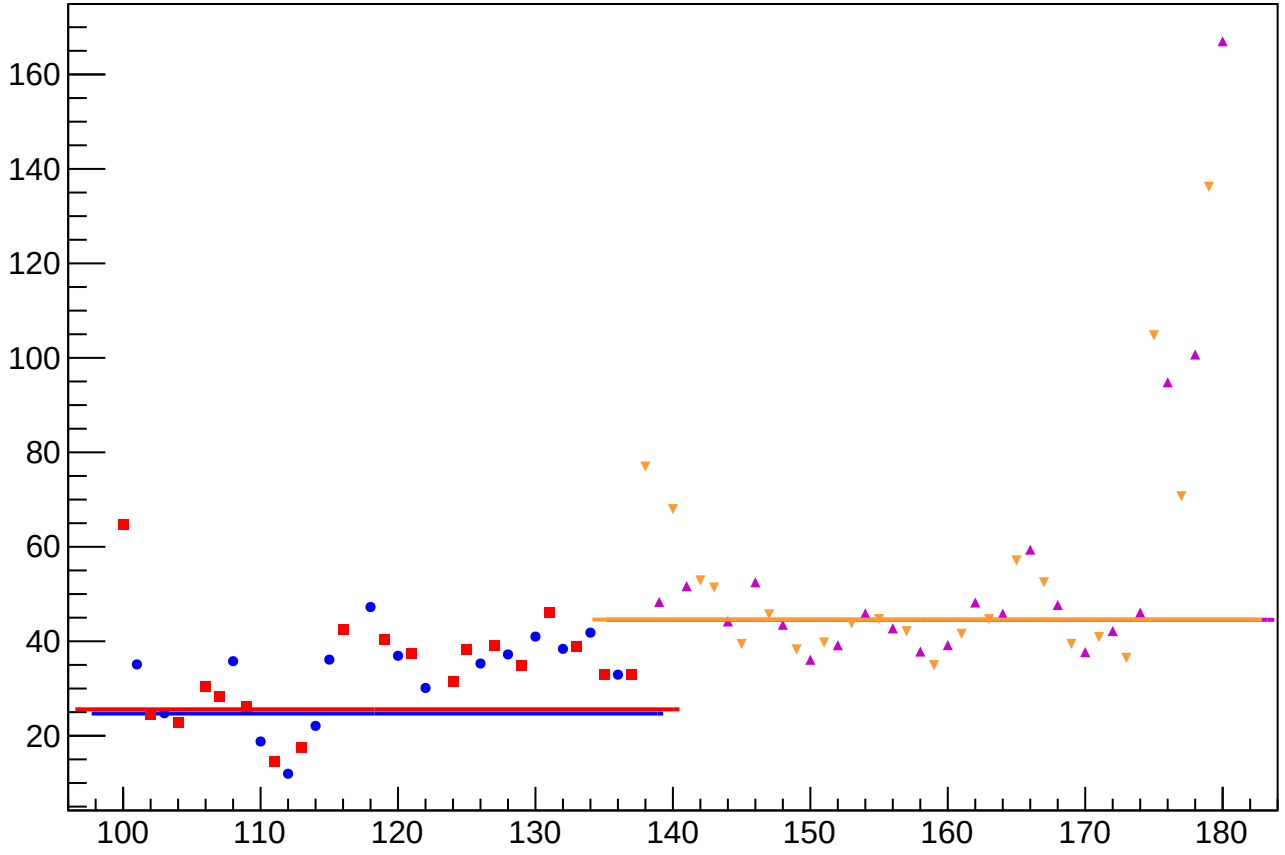
Left In: -0.008+/-0.011 χ^2/NDF:22.2/20

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/37

All: 0.002+/-0.005 χ^2/NDF: 76.3/77

- 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: 44.604+/-0.008 χ^2/NDF:2268201.4/21

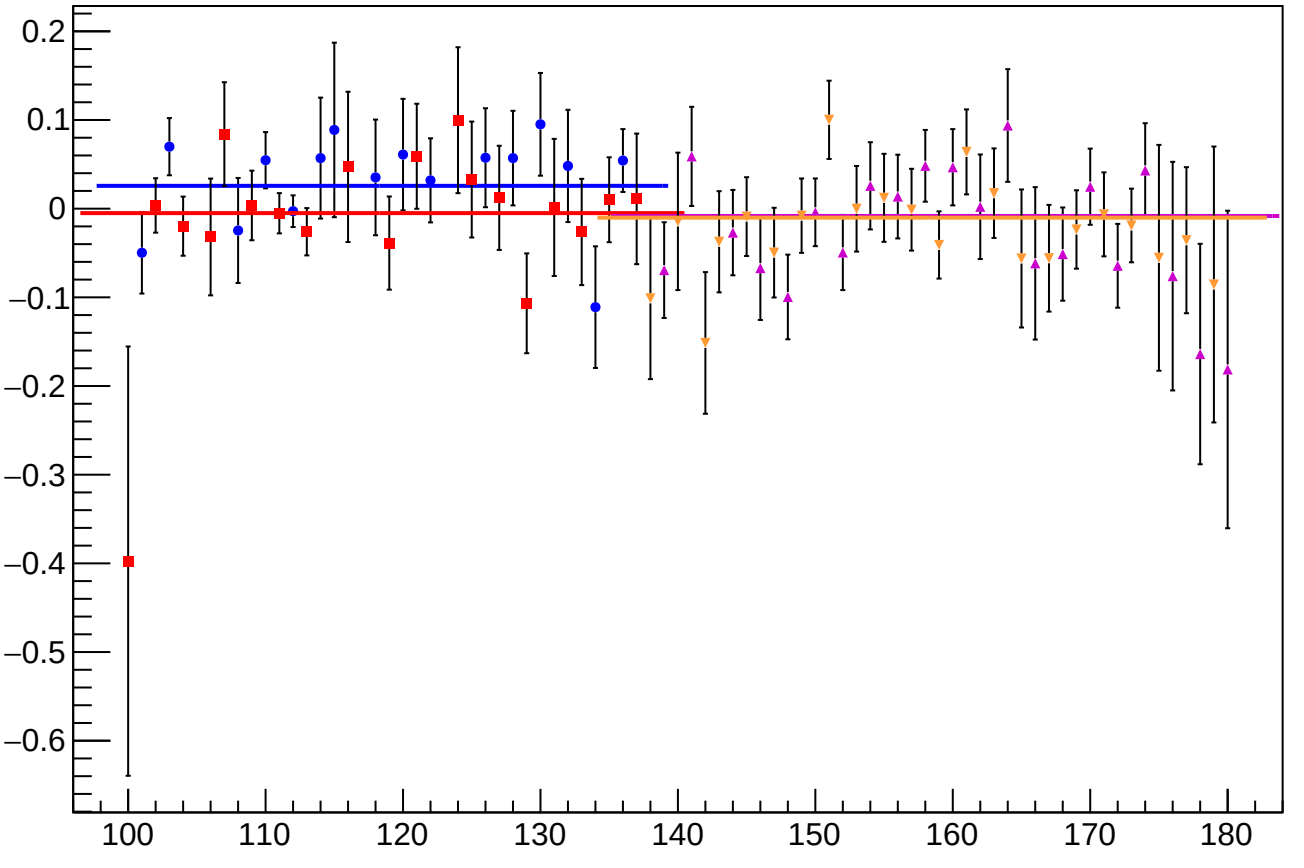
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.552+/-0.008 χ^2/NDF:2083357.0/20

+ sign 33.766+/-0.005 χ^2/NDF: 7921479.3/37

All: 33.937+/-0.004 χ^2/NDF: 14625775.2/77

- 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:16.4/21

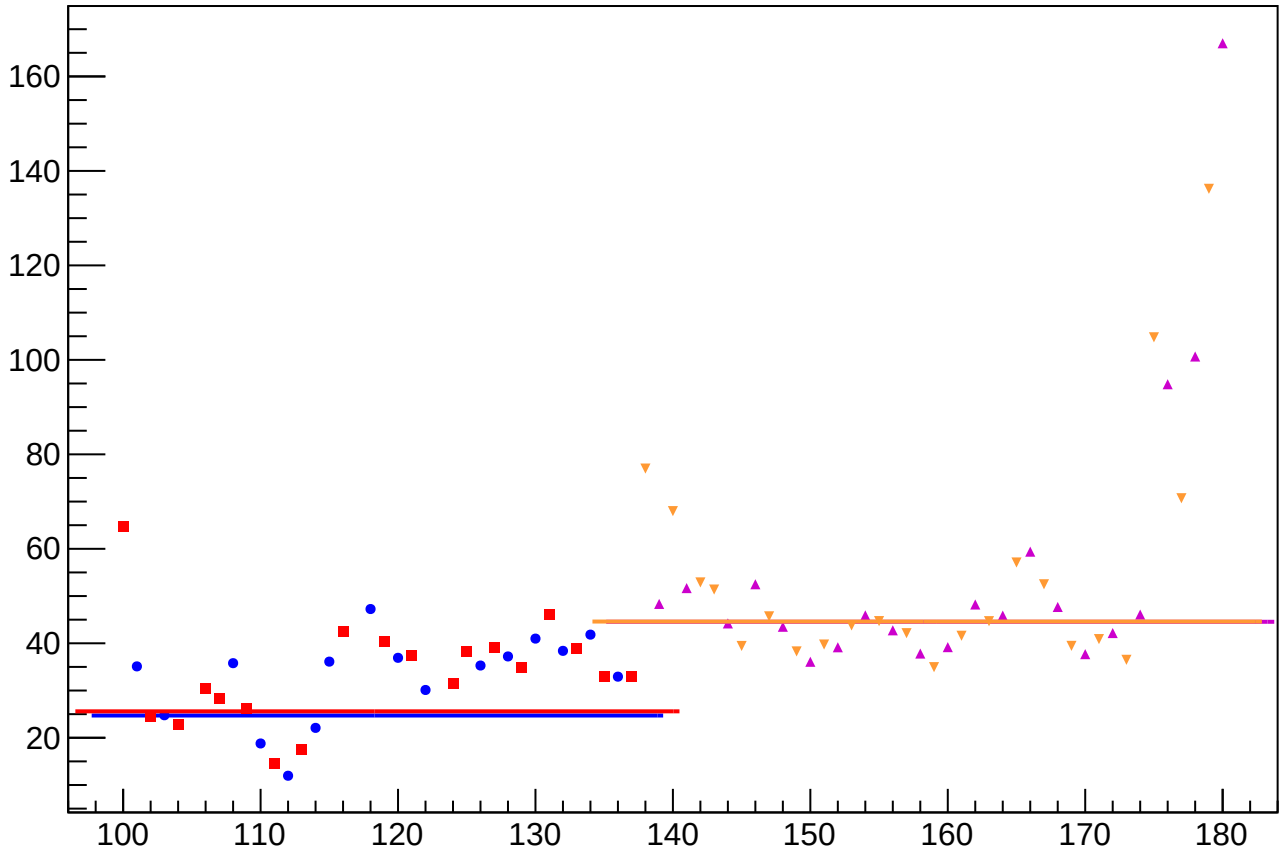
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:22.2/20

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/37

All: 0.002+/-0.005 χ^2/NDF: 76.3/77

- 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: 44.604+/-0.008 χ^2/NDF:2268201.4/21

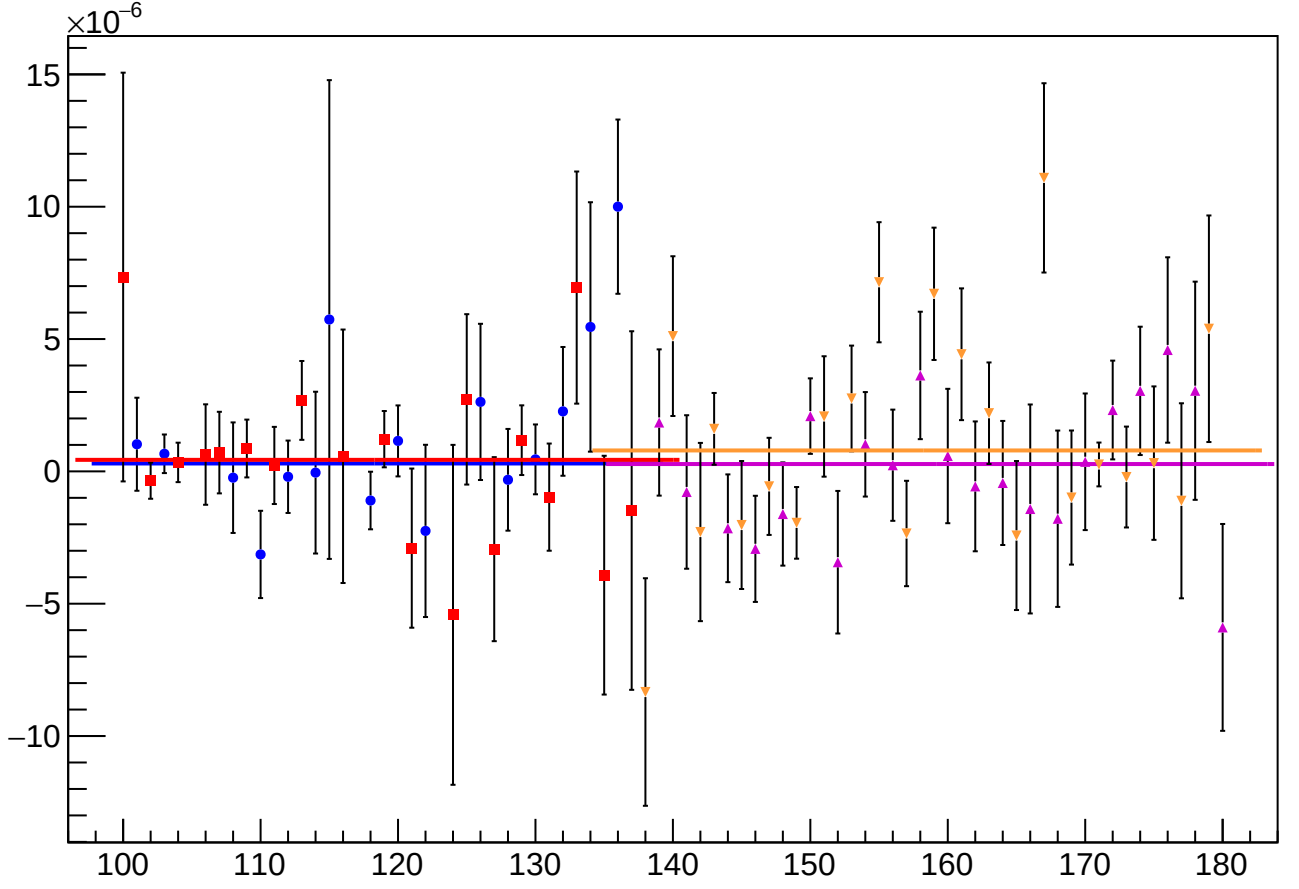
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.552+/-0.008 χ^2/NDF:2083357.0/20

+ sign 33.766+/-0.005 χ^2/NDF: 7921479.3/37

All: 33.937+/-0.004 χ^2/NDF: 14625775.2/77

- 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:45.9/21

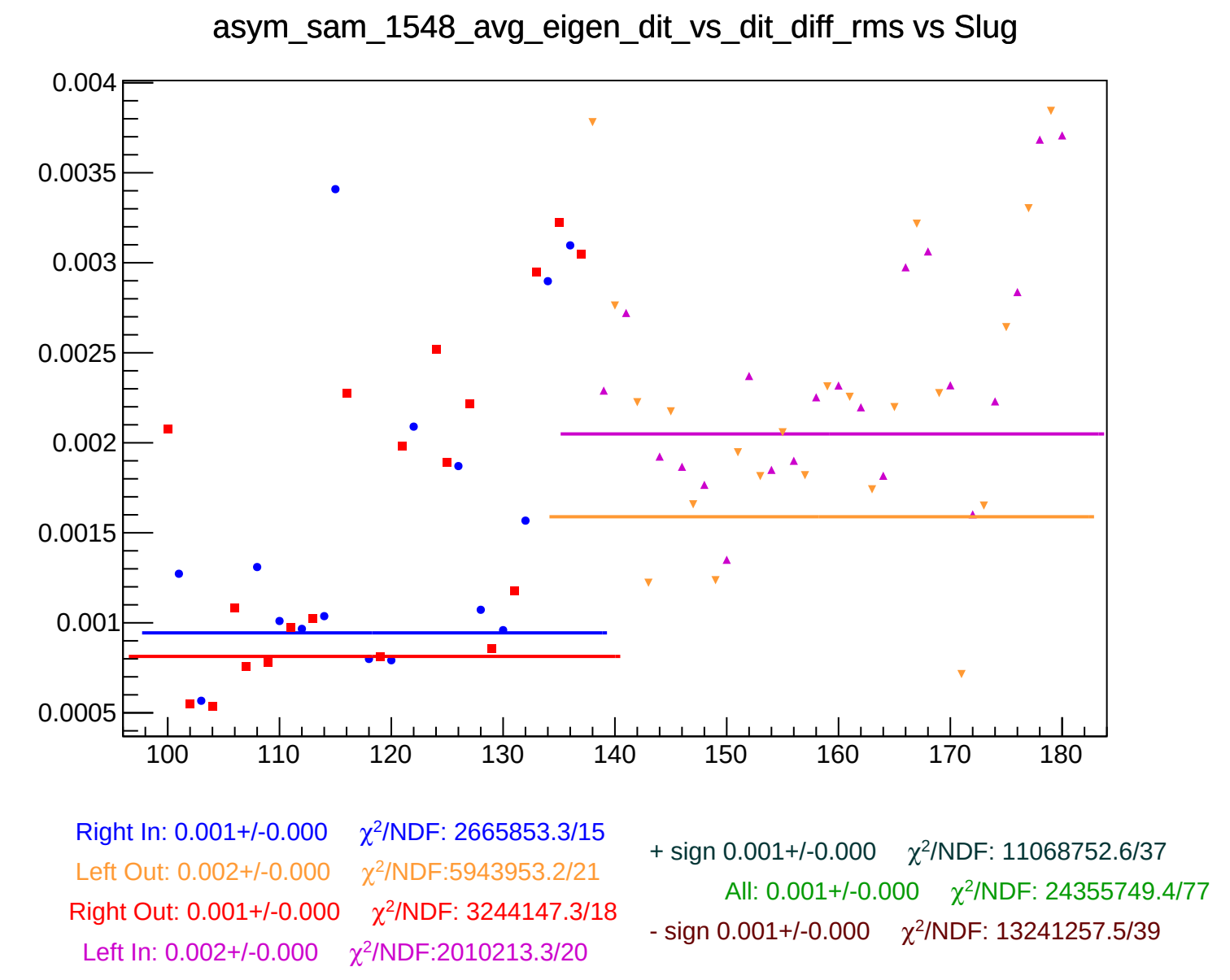
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

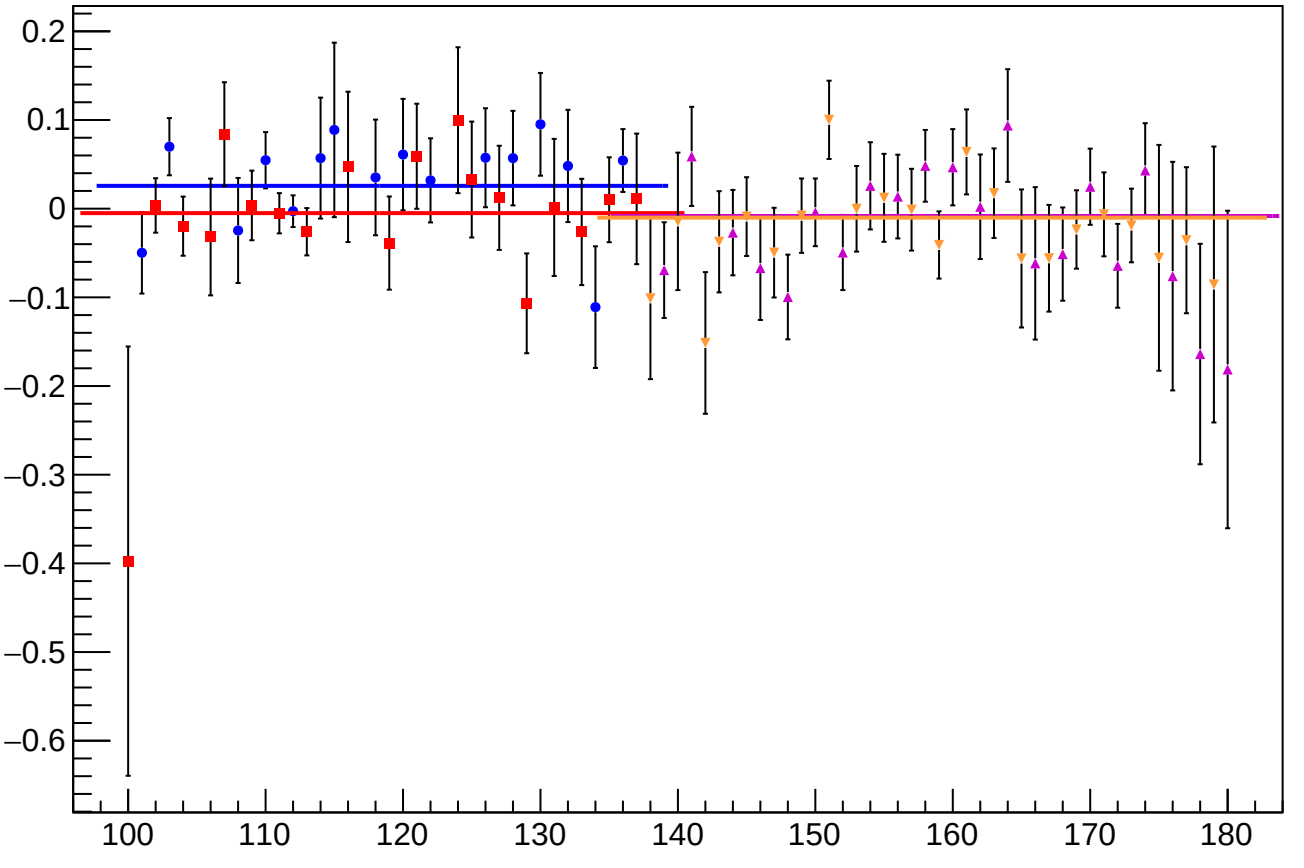
Left In: 0.000+/-0.000 χ^2/NDF:18.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/37

All: 0.000+/-0.000 χ^2/NDF: 97.5/77

- 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
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:5943953.2/21
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:2010213.3/20
+ sign 0.001+/-0.000 χ²/NDF: 11068752.6/37
All: 0.001+/-0.000 χ²/NDF: 24355749.4/77
- 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:16.4/21

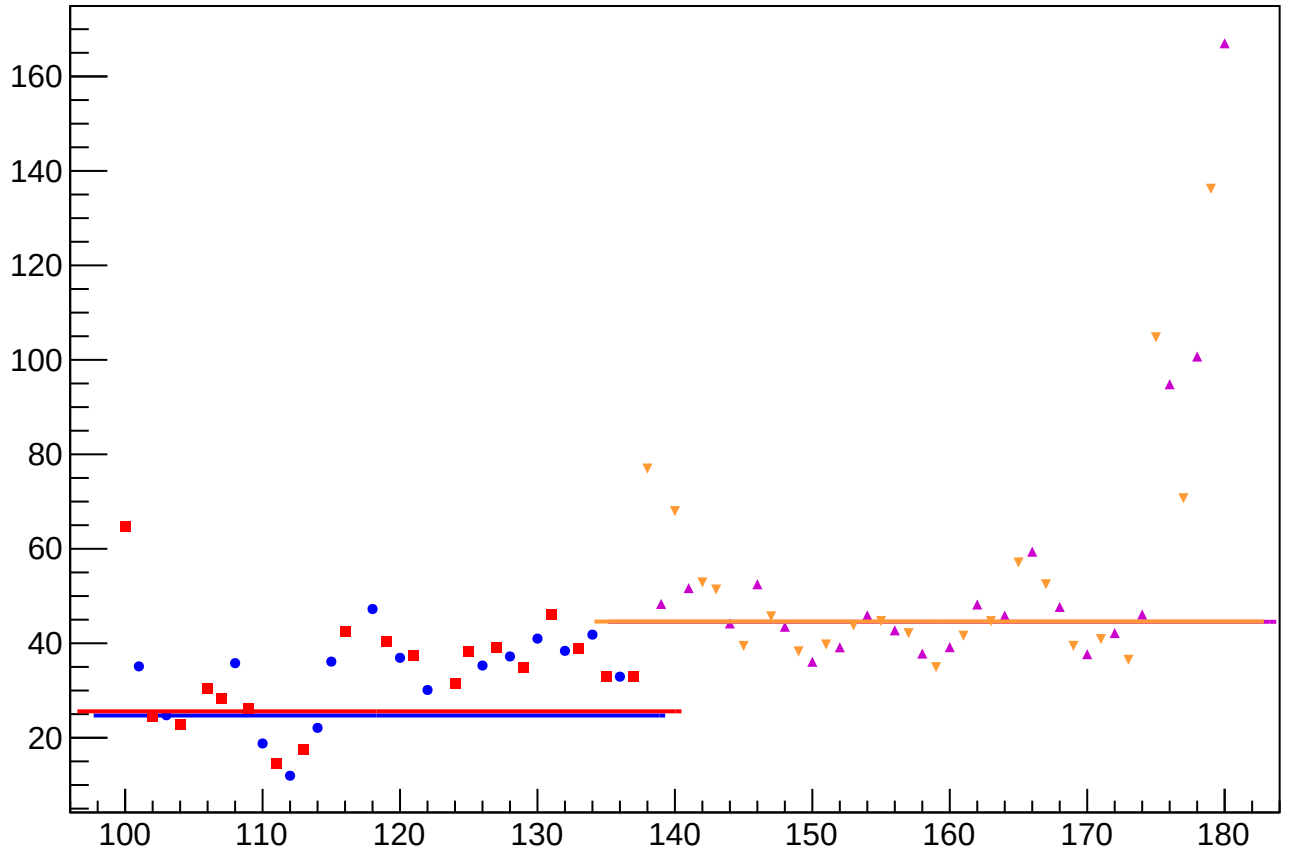
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:22.2/20

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/37

All: 0.002+/-0.005 χ^2/NDF: 76.3/77

- 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: 44.604+/-0.008 χ^2/NDF:2268146.0/21

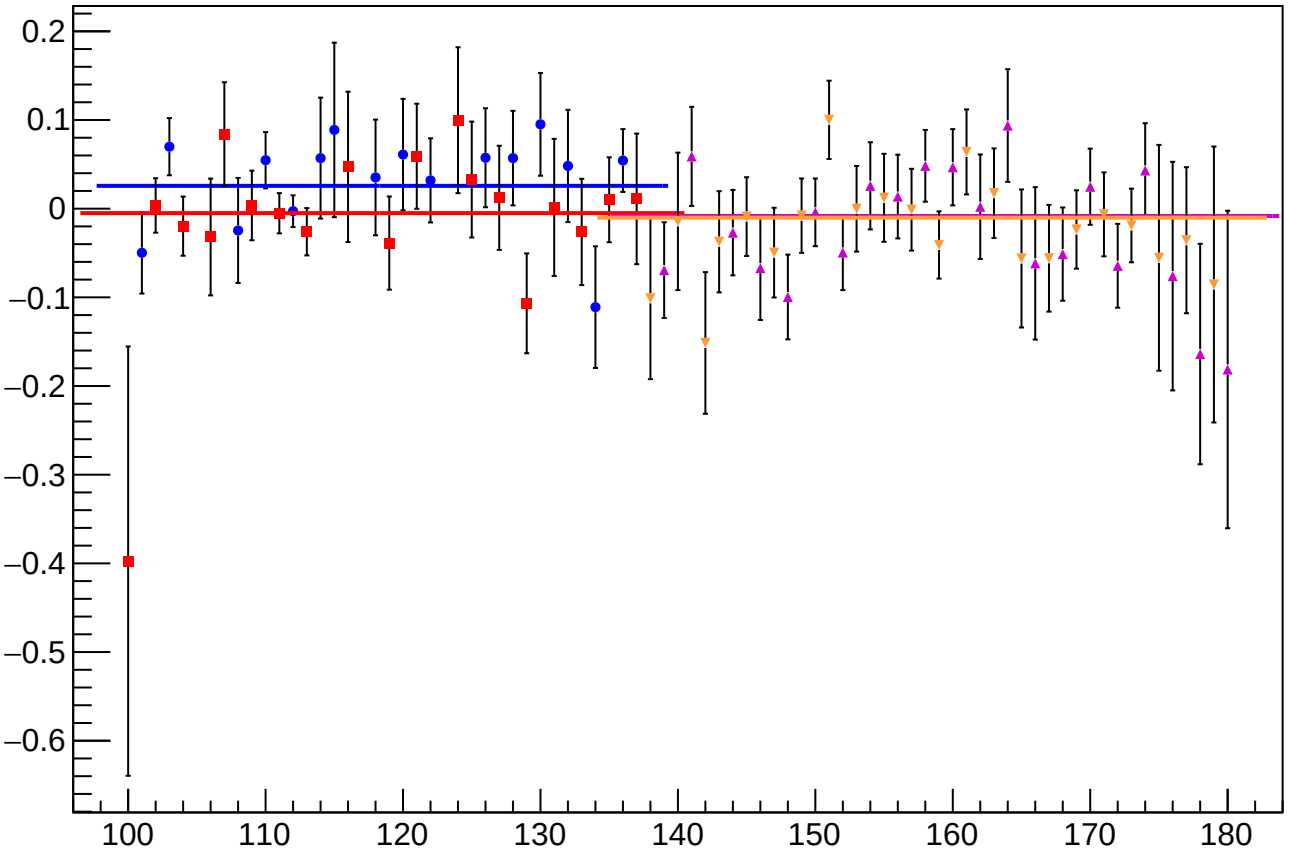
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.553+/-0.008 χ^2/NDF:2083280.1/20

+ sign 33.766+/-0.005 χ^2/NDF: 7921934.3/37

All: 33.937+/-0.004 χ^2/NDF: 14626573.1/77

- 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:16.4/21

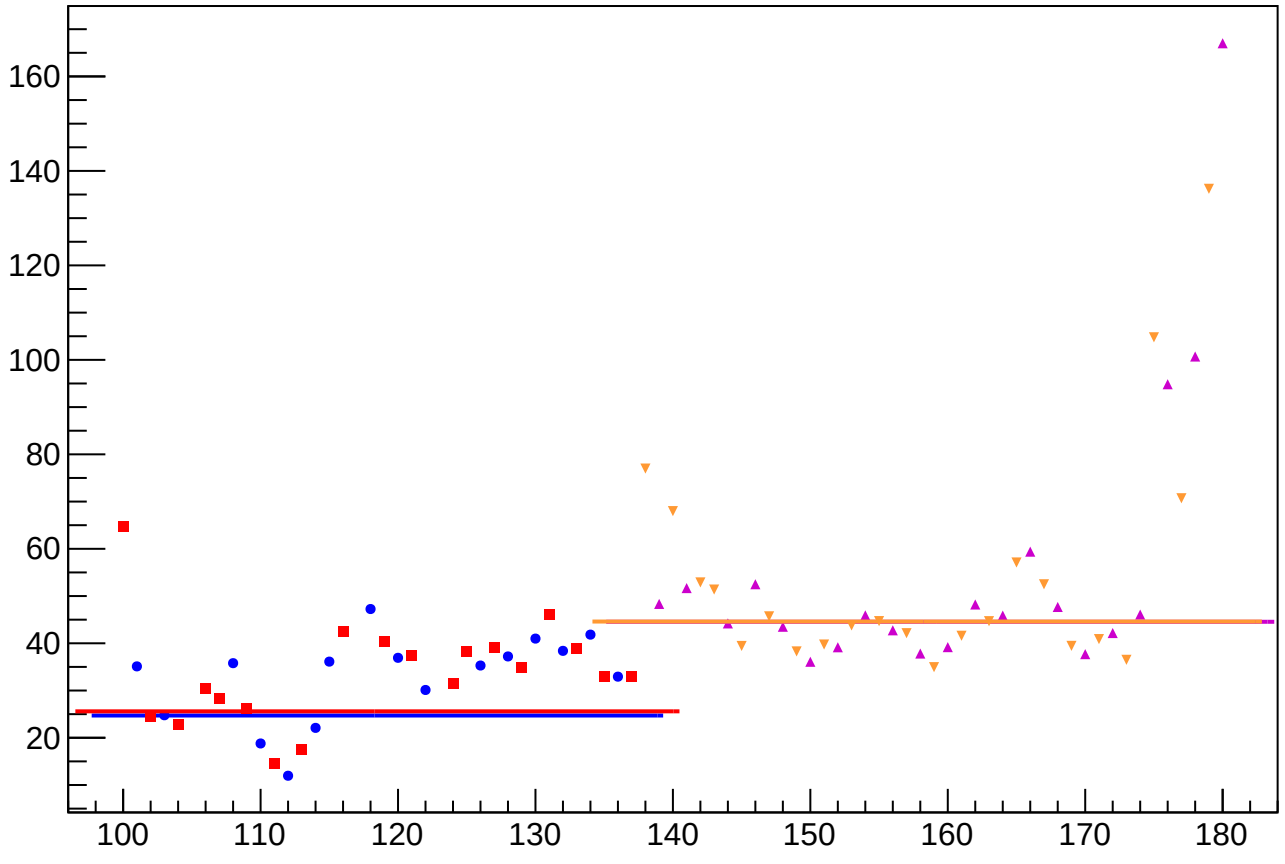
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.011 χ^2/NDF:22.2/20

+ sign 0.009+/-0.008 χ^2/NDF: 38.3/37

All: 0.002+/-0.005 χ^2/NDF: 76.3/77

- 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: 44.604+/-0.008 χ^2/NDF:2268146.0/21

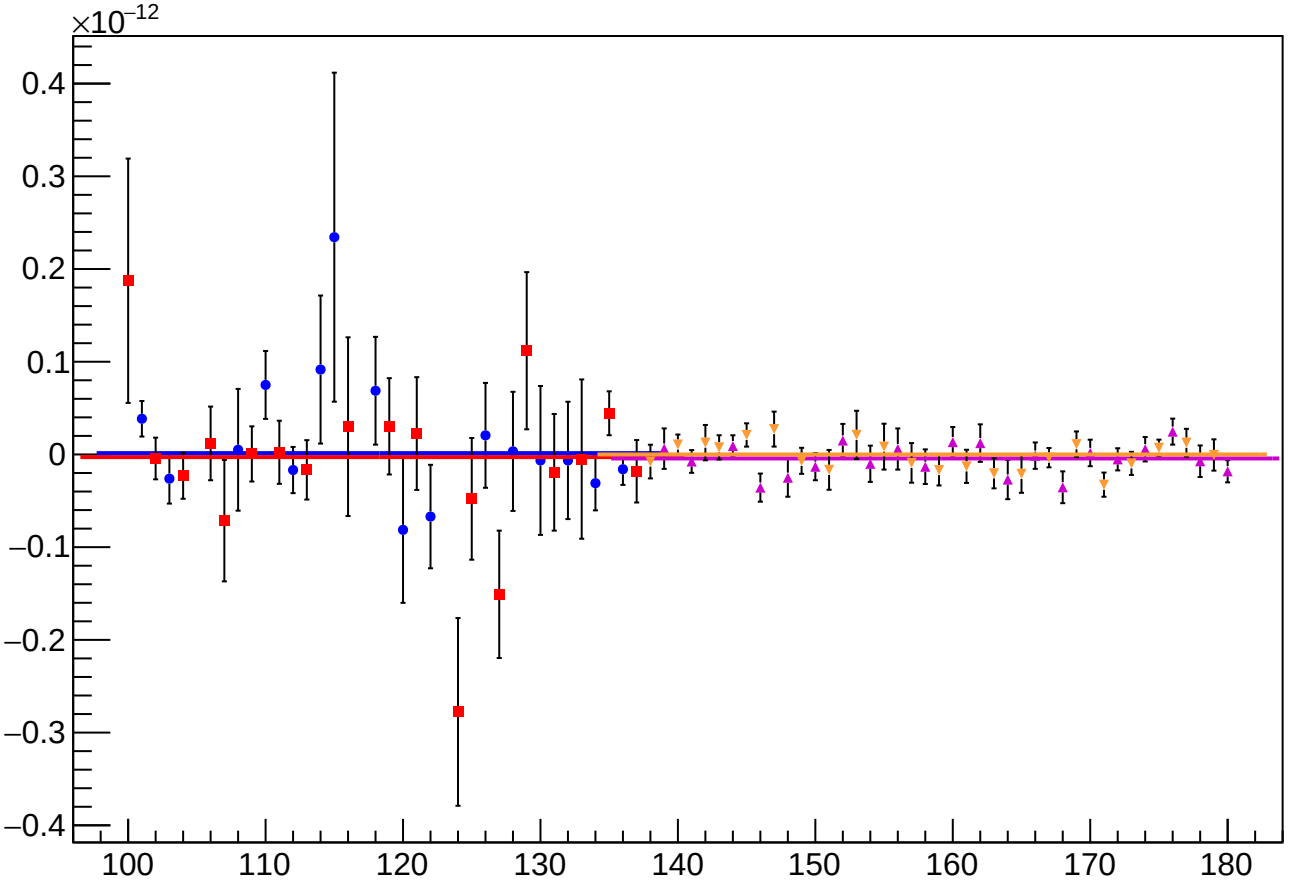
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.553+/-0.008 χ^2/NDF:2083280.1/20

+ sign 33.766+/-0.005 χ^2/NDF: 7921934.3/37

All: 33.937+/-0.004 χ^2/NDF: 14626573.1/77

- 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:21.8/21

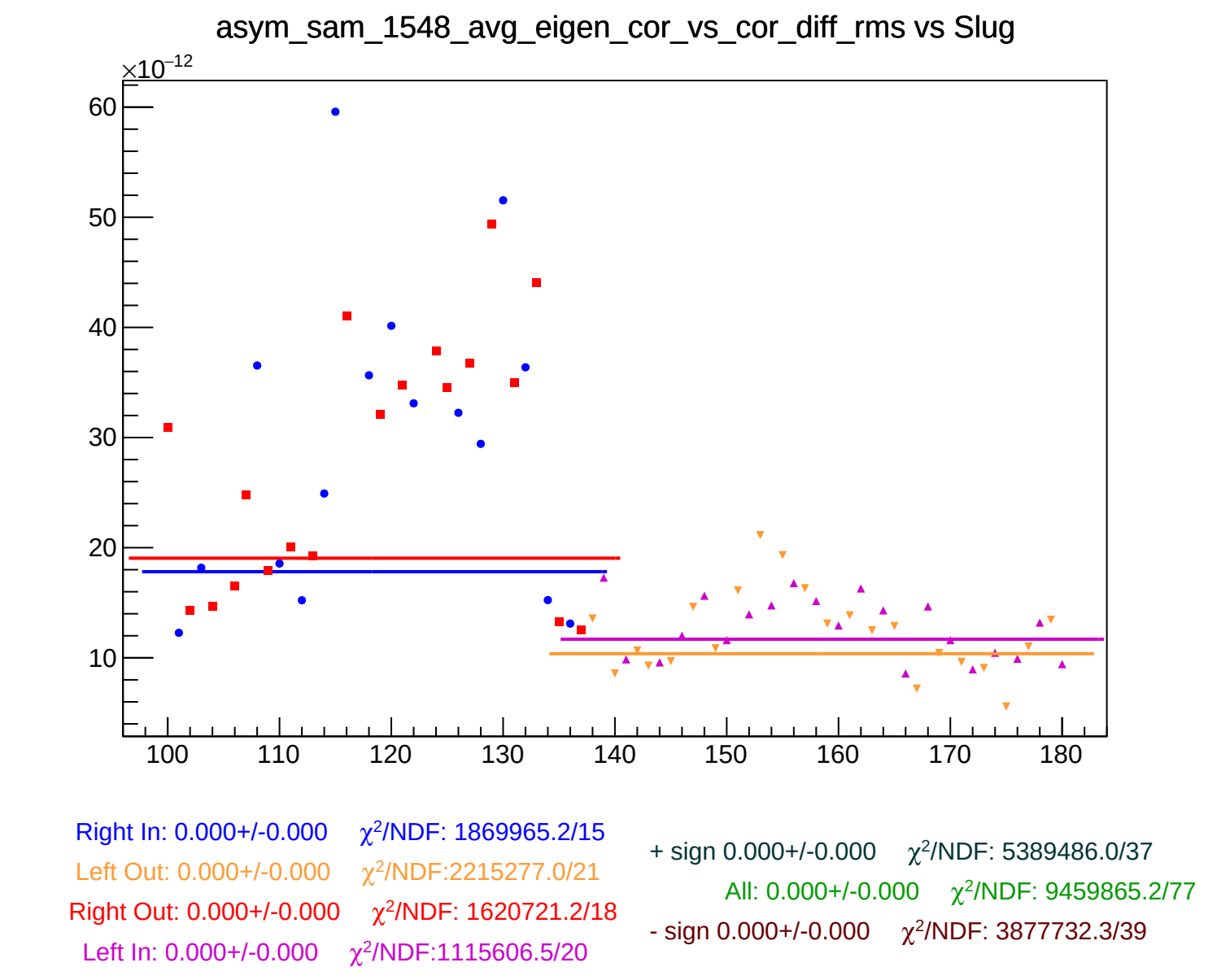
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/20

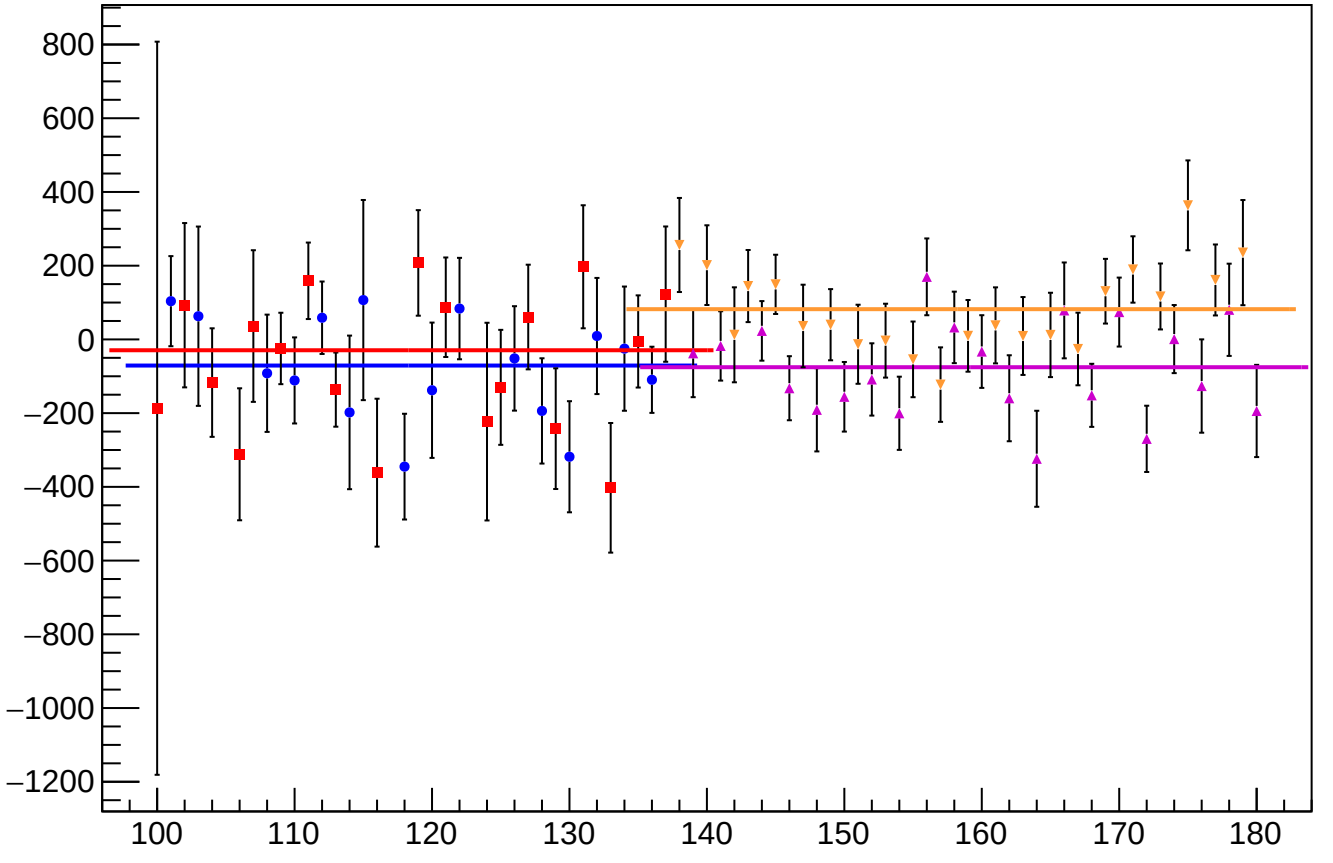
+ sign 0.000+/-0.000 χ^2/NDF: 40.5/37

All: -0.000+/-0.000 χ^2/NDF: 86.7/77

- 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
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2215277.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:1115606.5/20
+ sign 0.000+/-0.000 χ²/NDF: 5389486.0/37
All: 0.000+/-0.000 χ²/NDF: 9459865.2/77
- 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: 82.022+/-21.798 χ^2/NDF:24.1/21

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

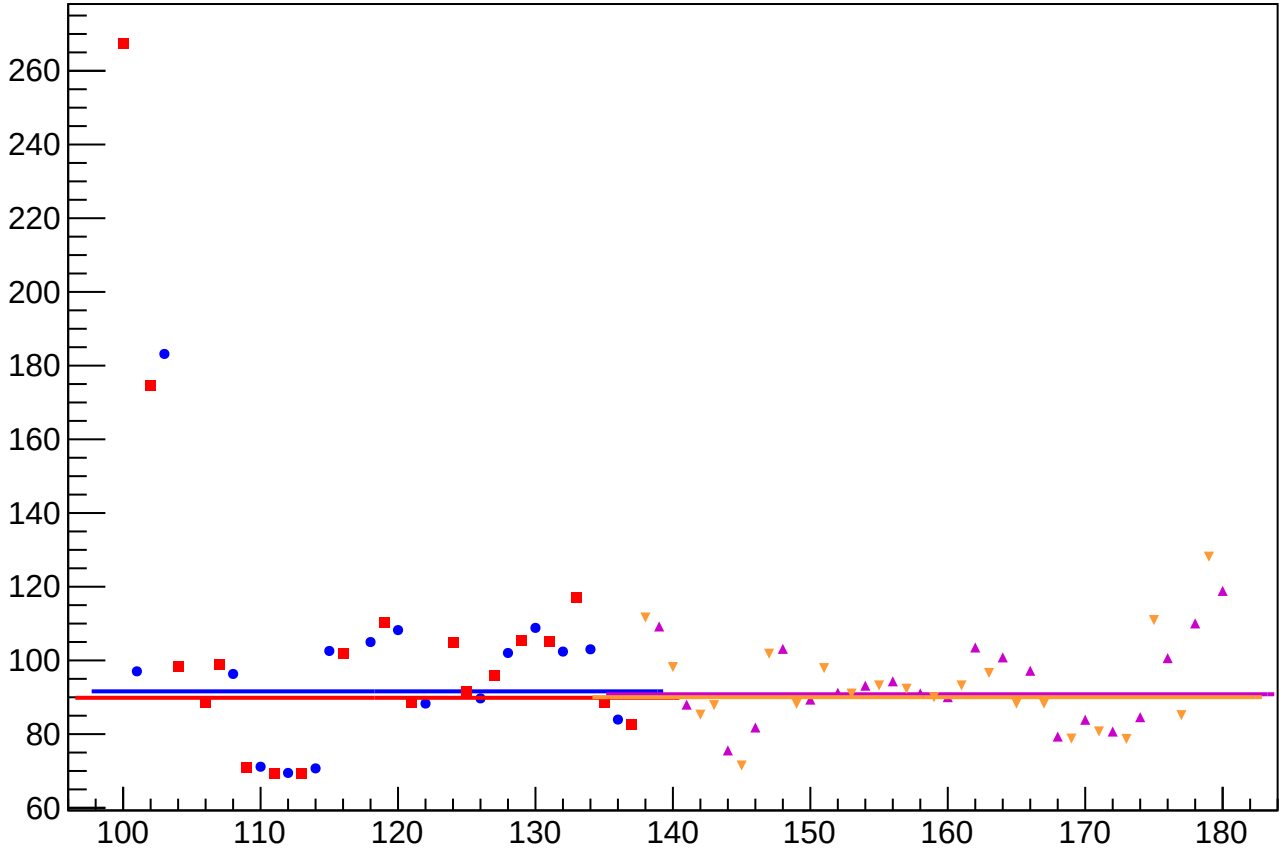
Left In: -75.407+/-22.139 χ^2/NDF:29.7/20

+ sign 39.499+/-18.521 χ^2/NDF: 51.8/37

All: -10.983+/-13.121 χ^2/NDF: 121.7/77

- 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: 90.023+/-0.015 χ^2/NDF:519634.2/21

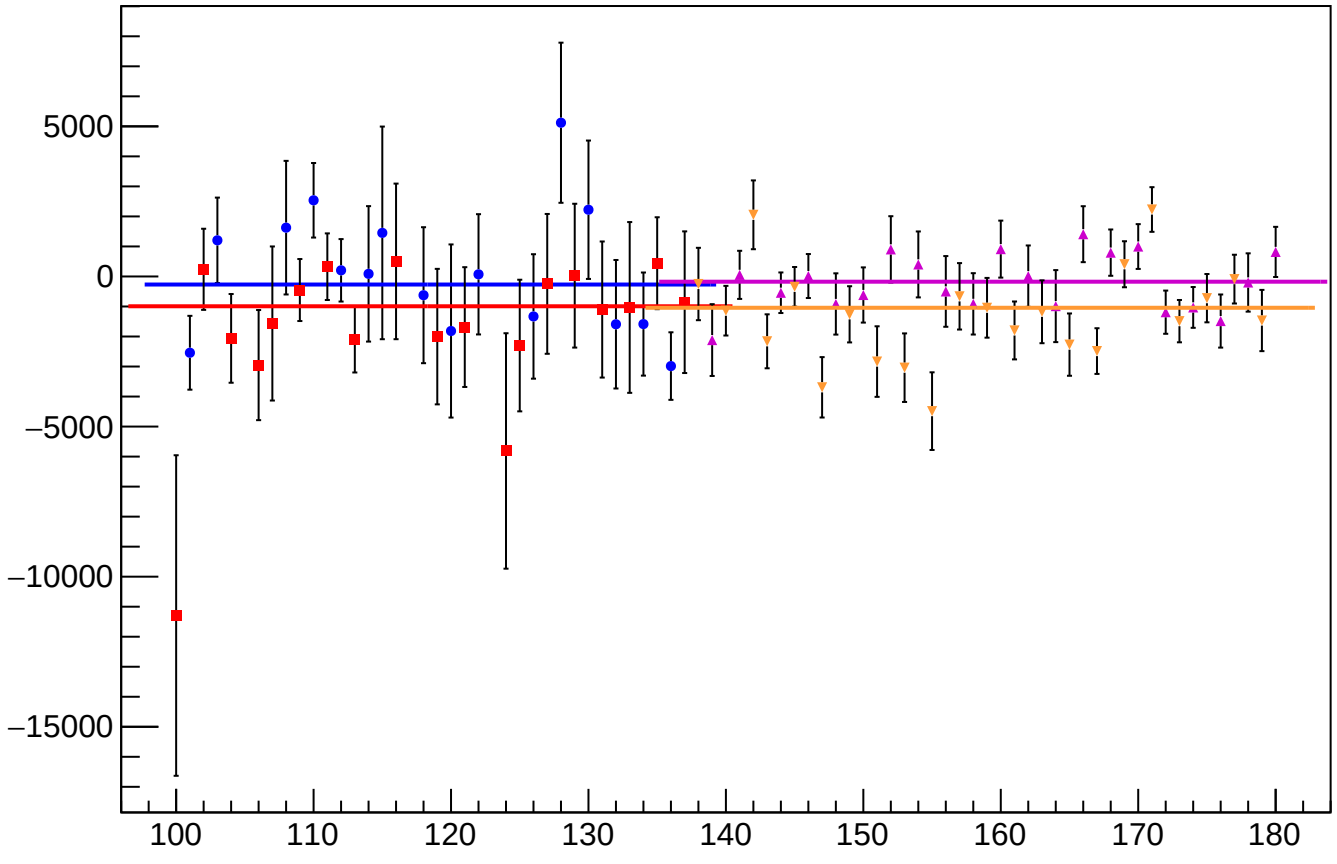
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 90.819+/-0.016 χ^2/NDF:451512.3/20

+ sign 90.463+/-0.013 χ^2/NDF: 1103248.9/37

All: 90.499+/-0.009 χ^2/NDF: 2302183.4/77

- 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: -1042.864+/-193.605 χ^2/NDF:60.7/21

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

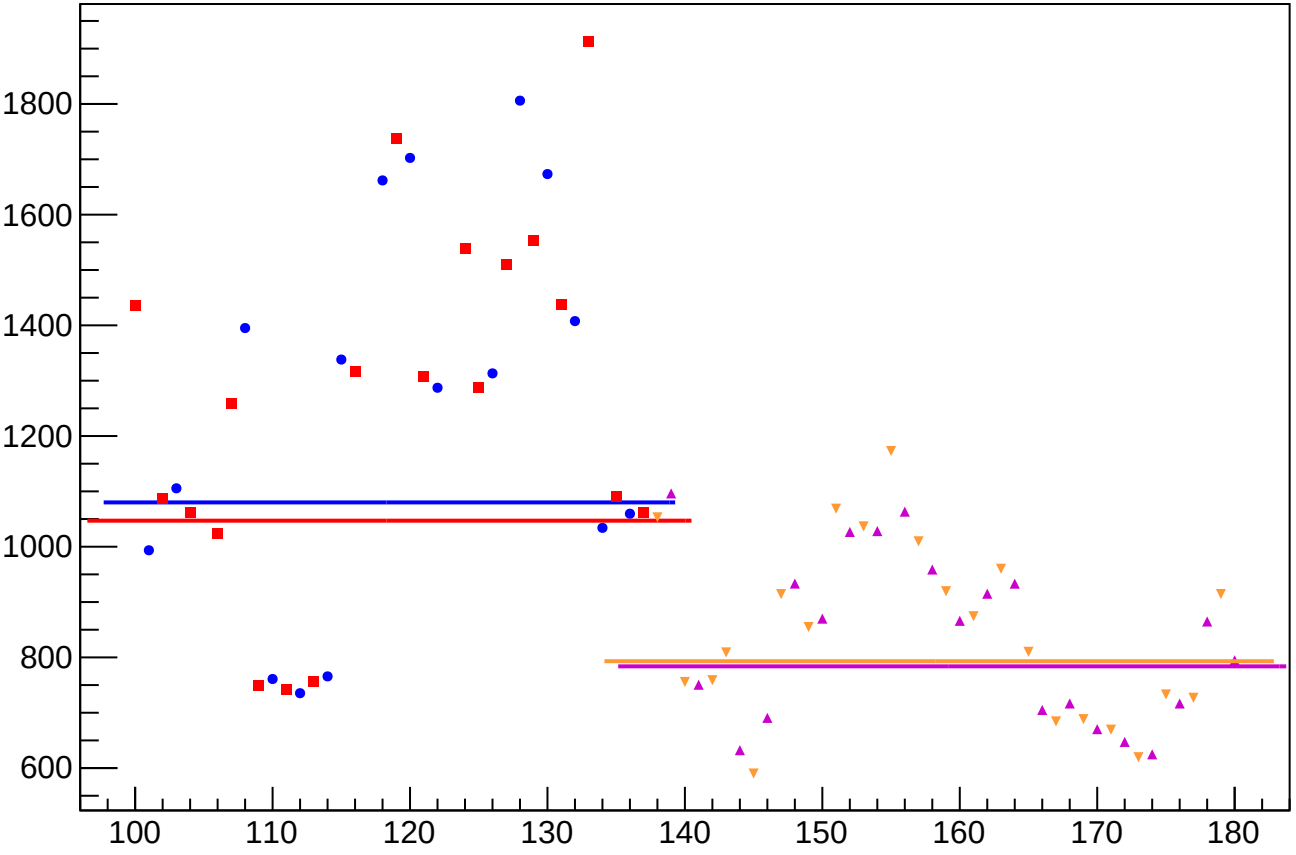
Left In: -174.367+/-192.314 χ^2/NDF:21.6/20

+ sign -906.930+/-175.792 χ^2/NDF: 86.9/37

All: -613.223+/-123.446 χ^2/NDF: 130.1/77

- sign -327.493+/-173.389 χ^2/NDF: 37.6/39

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 793.113+/-0.137 χ^2/NDF:1181758.3/21

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

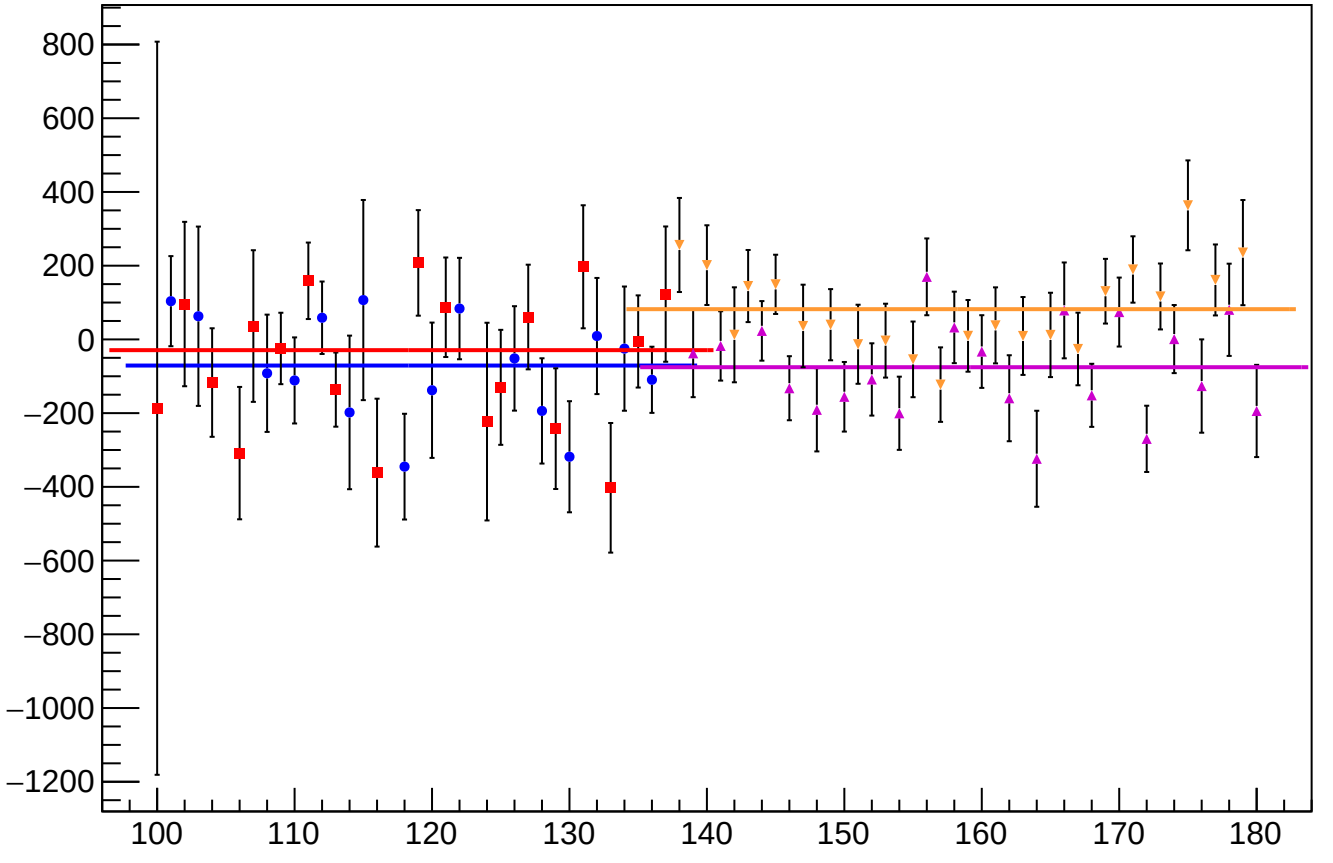
Left In: 783.821+/-0.136 χ^2/NDF:1062098.2/20

+ sign 843.481+/-0.124 χ^2/NDF: 3006364.0/37

All: 838.210+/-0.087 χ^2/NDF: 5971904.5/77

- 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: 82.028+/-21.798 χ^2/NDF:24.1/21

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

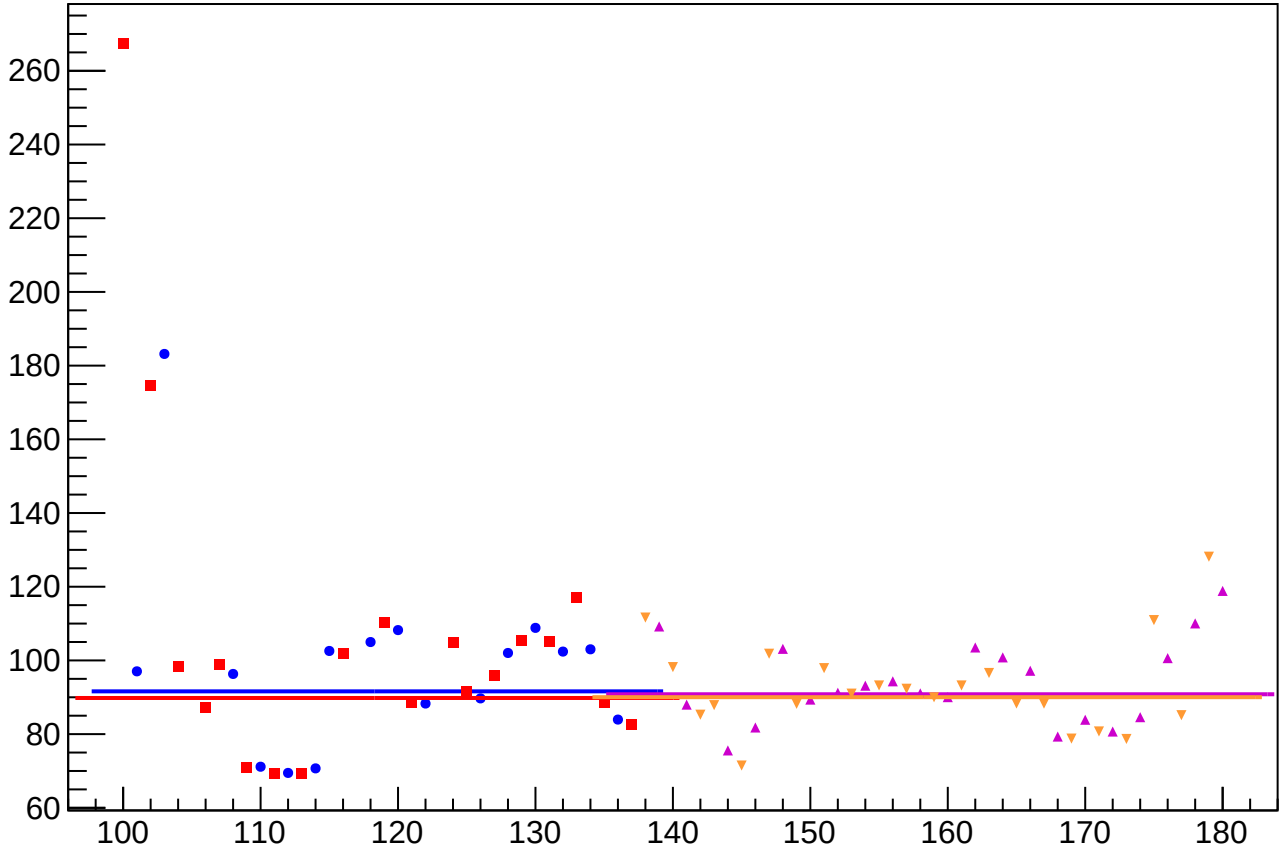
Left In: -75.408+/-22.139 χ^2/NDF:29.7/20

+ sign 39.500+/-18.521 χ^2/NDF: 51.8/37

All: -10.945+/-13.121 χ^2/NDF: 121.7/77

- 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: 90.023+/-0.015 χ^2/NDF:519634.2/21

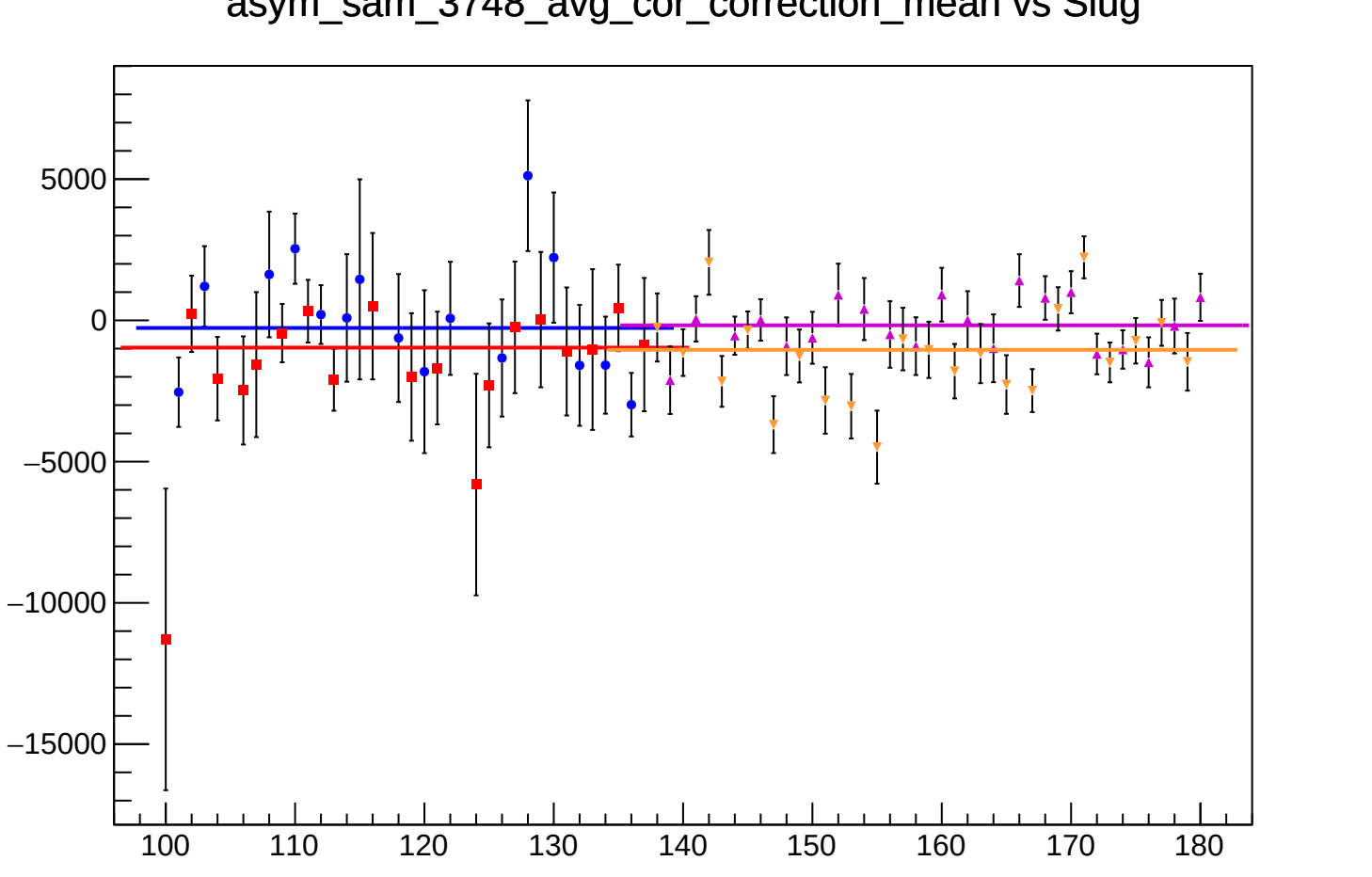
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.819+/-0.016 χ^2/NDF:451512.3/20

+ sign 90.463+/-0.013 χ^2/NDF: 1103252.0/37

All: 90.492+/-0.009 χ^2/NDF: 2302838.2/77

- 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: -1042.858+/-193.604 χ^2/NDF:60.7/21

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

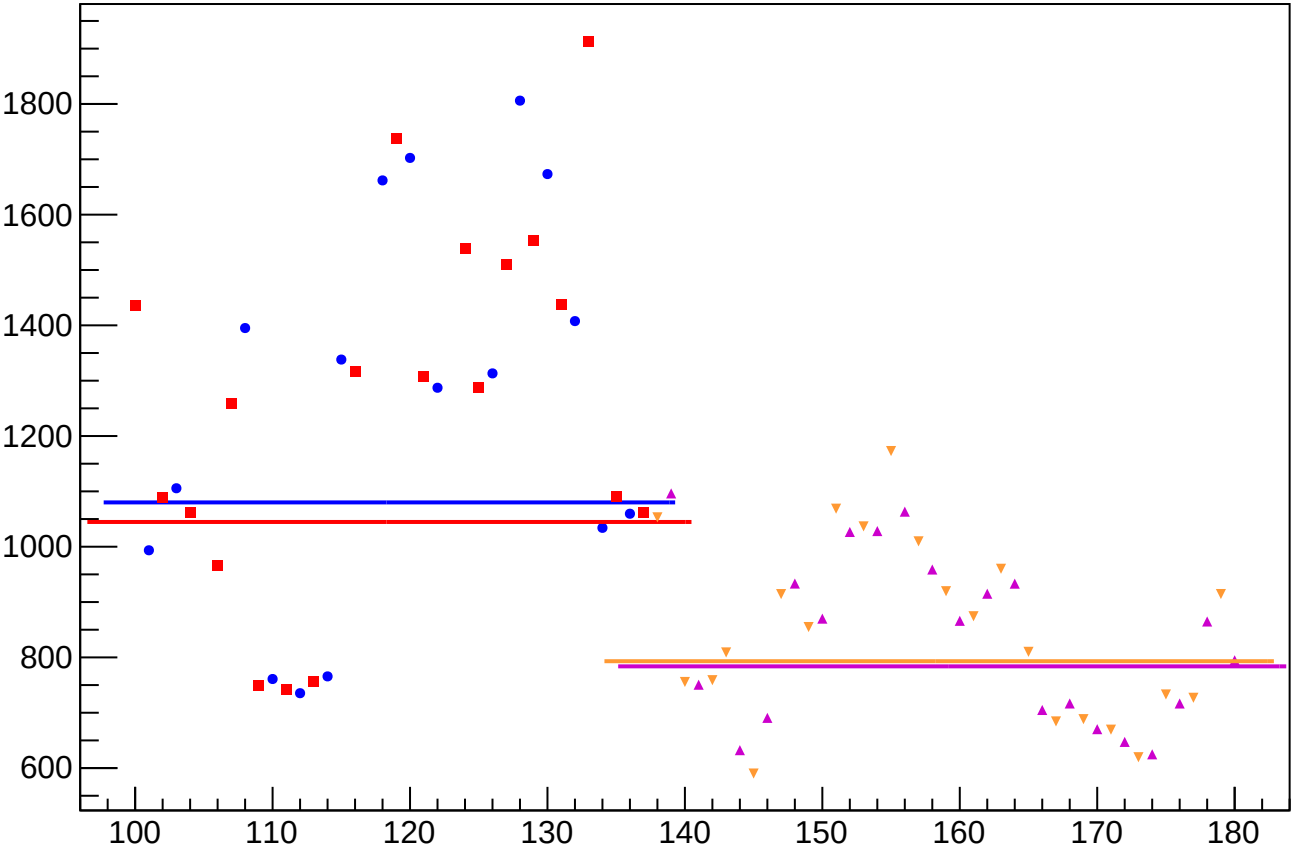
Left In: -174.369+/-192.314 χ^2/NDF:21.6/20

+ sign -906.930+/-175.793 χ^2/NDF: 86.9/37

All: -610.463+/-123.469 χ^2/NDF: 129.4/77

- 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: 793.113+/-0.137 χ^2/NDF:1181760.3/21

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

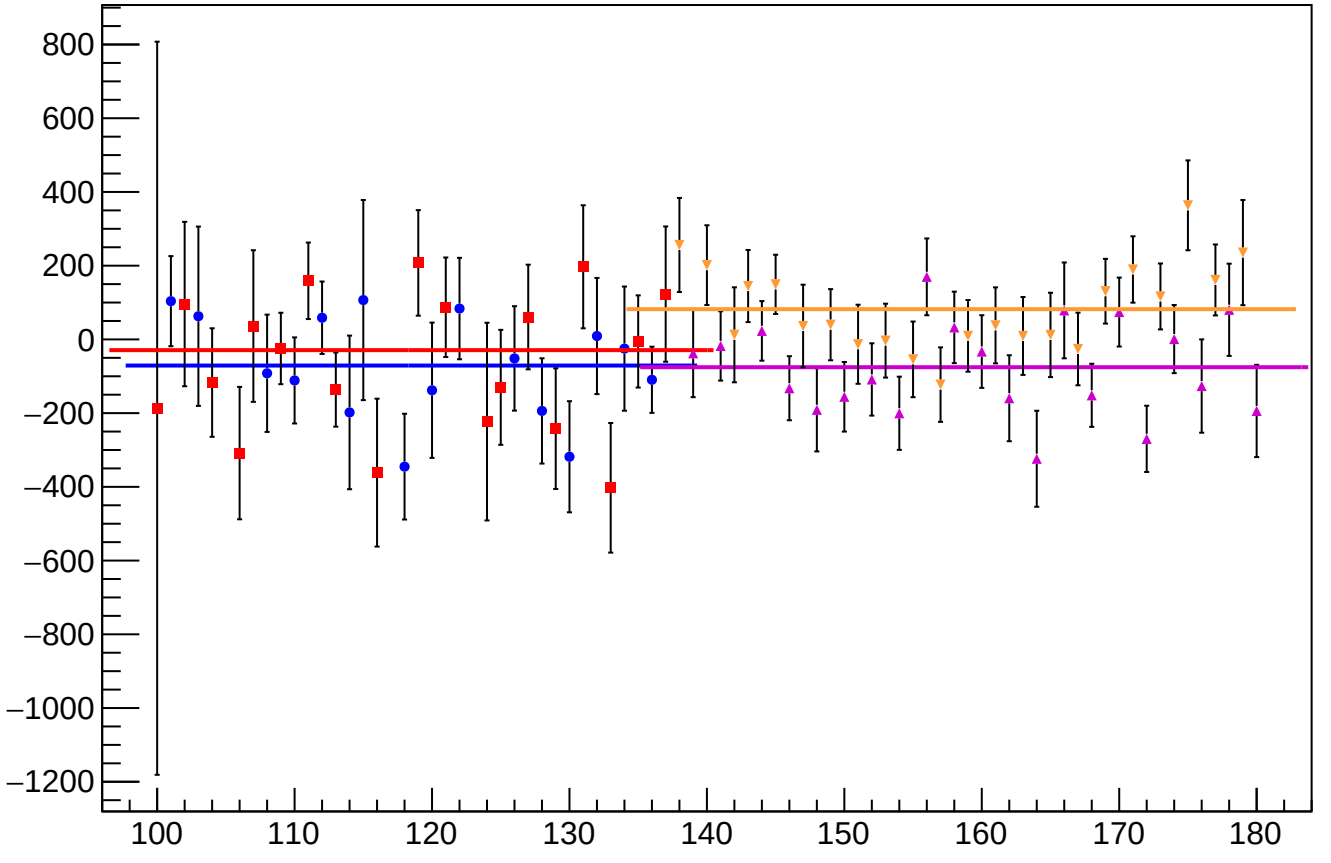
Left In: 783.821+/-0.136 χ^2/NDF:1062098.1/20

+ sign 843.482+/-0.124 χ^2/NDF: 3006410.3/37

All: 837.908+/-0.087 χ^2/NDF: 5960825.5/77

- 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: 82.028+/-21.798 χ^2/NDF:24.1/21

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

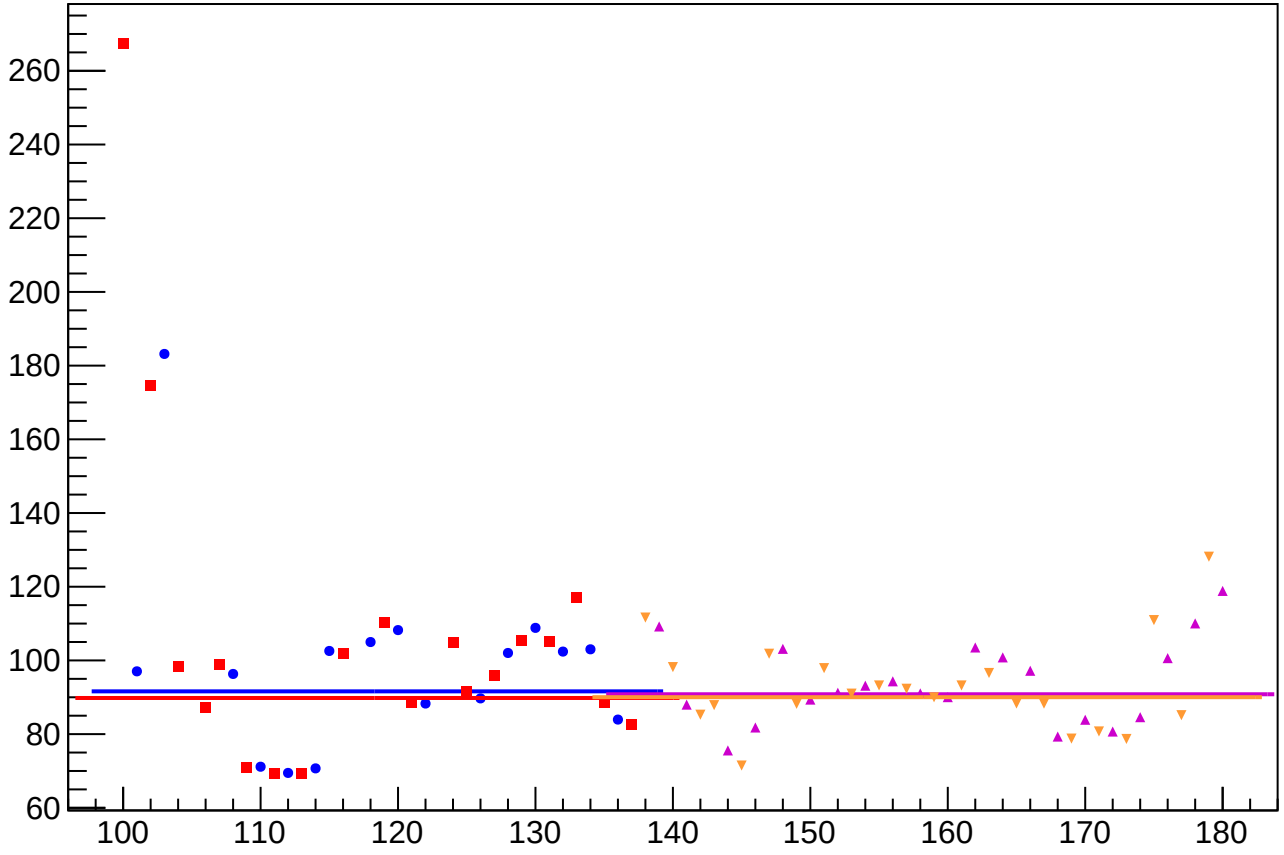
Left In: -75.408+/-22.139 χ^2/NDF:29.7/20

+ sign 39.500+/-18.521 χ^2/NDF: 51.8/37

All: -10.945+/-13.121 χ^2/NDF: 121.7/77

- 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: 90.023+/-0.015 χ^2/NDF:519634.2/21

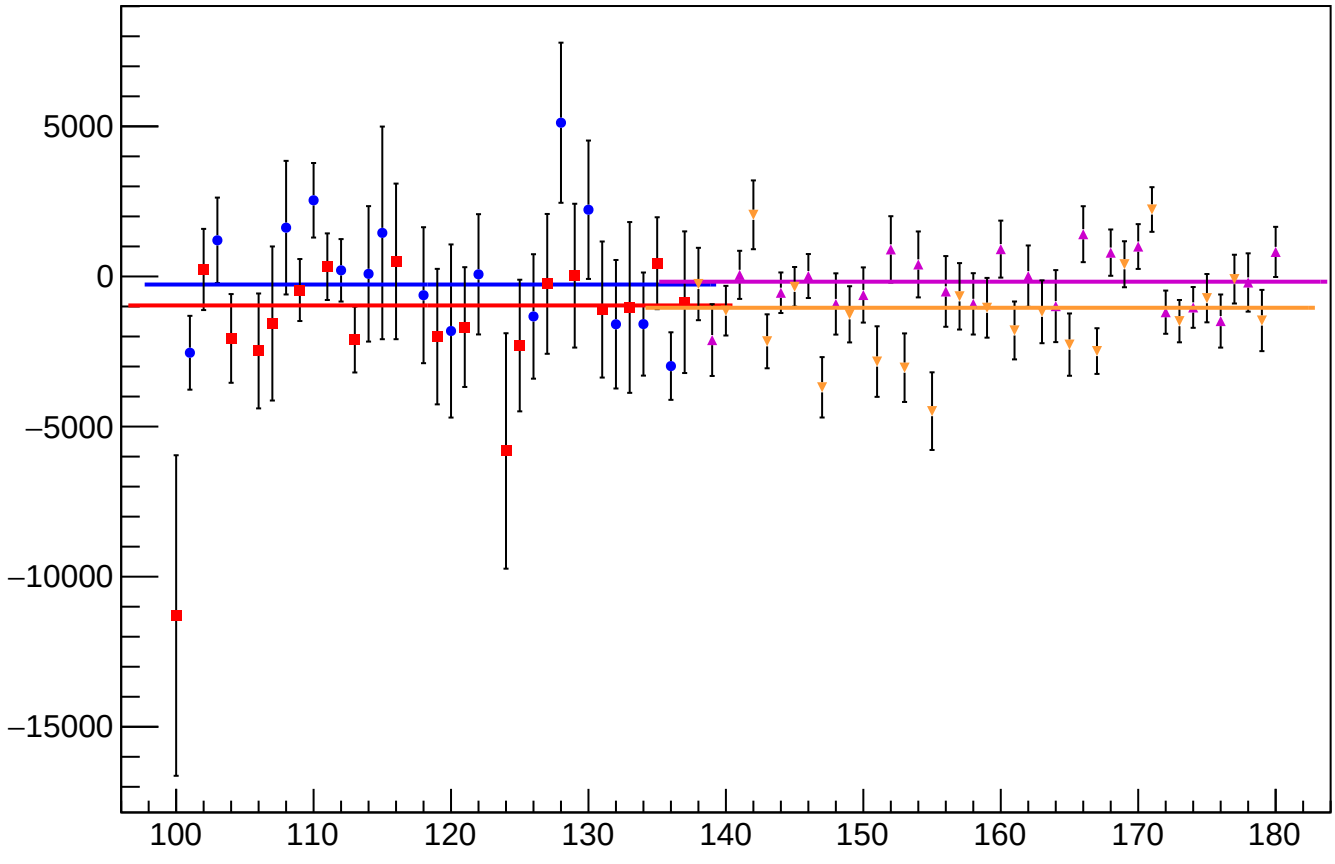
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.819+/-0.016 χ^2/NDF:451512.3/20

+ sign 90.463+/-0.013 χ^2/NDF: 1103252.0/37

All: 90.492+/-0.009 χ^2/NDF: 2302838.2/77

- 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: -1042.858+/-193.604 χ^2/NDF:60.7/21

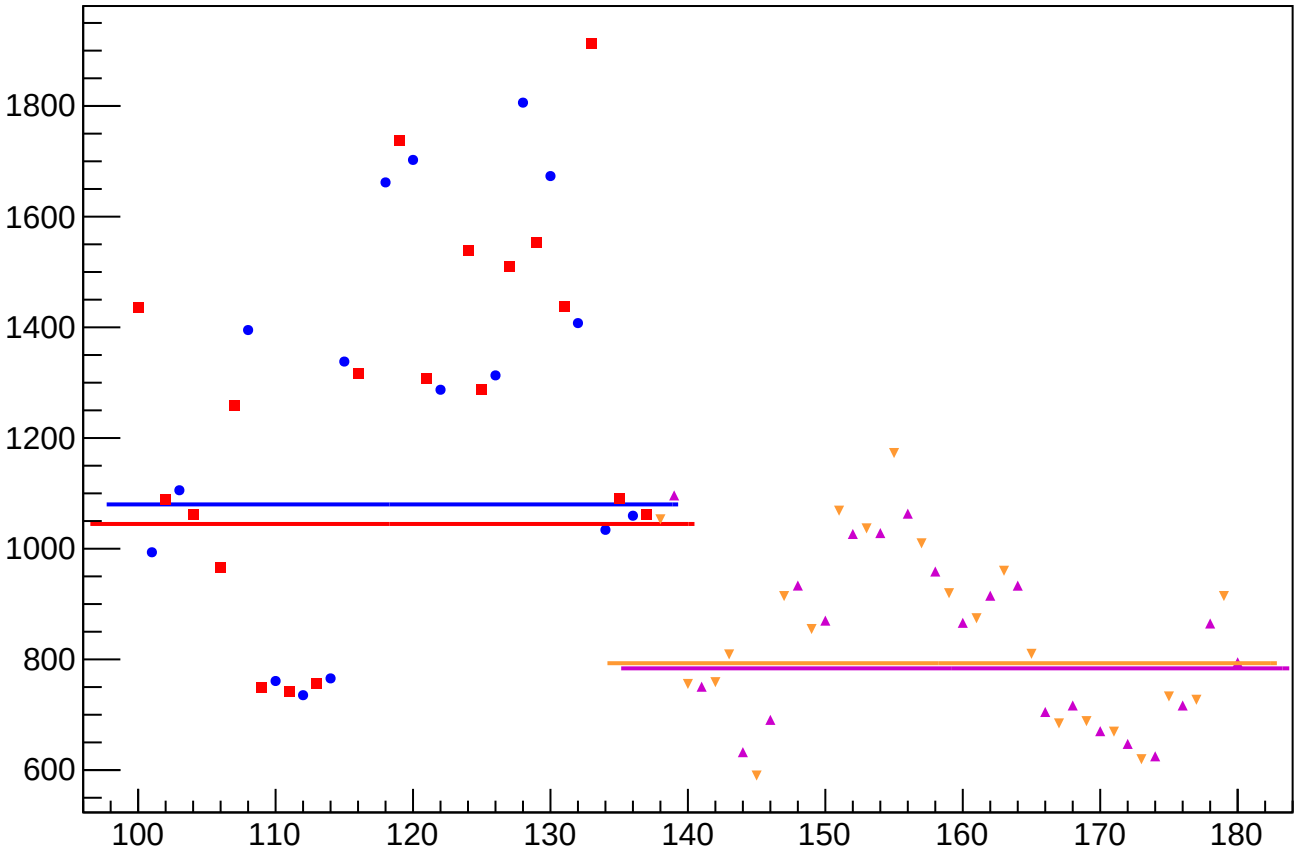
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -174.369+/-192.314 χ^2/NDF:21.6/20

+ sign -906.930+/-175.793 χ^2/NDF: 86.9/37

All: -610.463+/-123.469 χ^2/NDF: 129.4/77

- 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: 793.113+/-0.137 χ^2/NDF:1181760.3/21

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

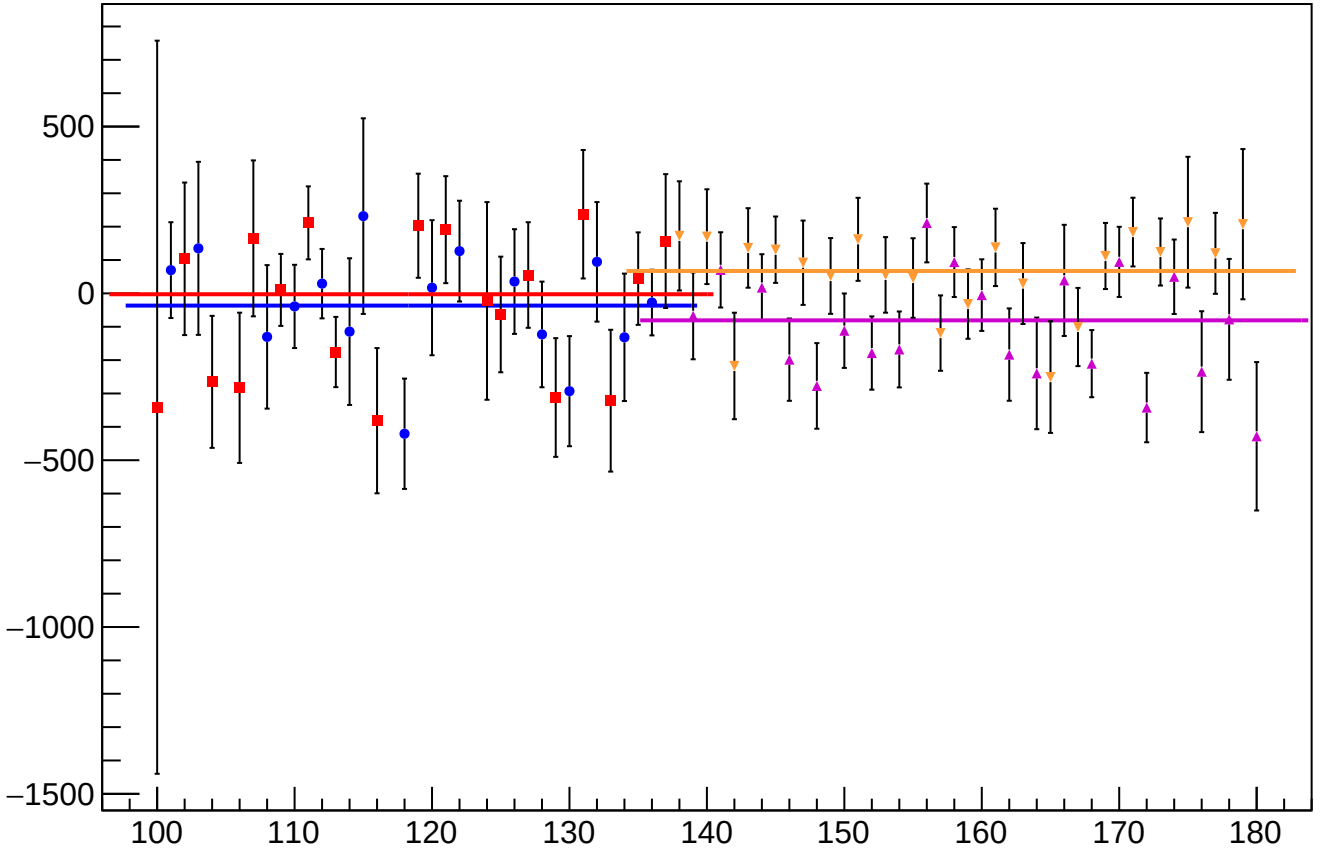
Left In: 783.821+/-0.136 χ^2/NDF:1062098.1/20

+ sign 843.482+/-0.124 χ^2/NDF: 3006410.3/37

All: 837.908+/-0.087 χ^2/NDF: 5960825.5/77

- 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: 67.166+/-25.982 χ^2/NDF:18.2/21

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

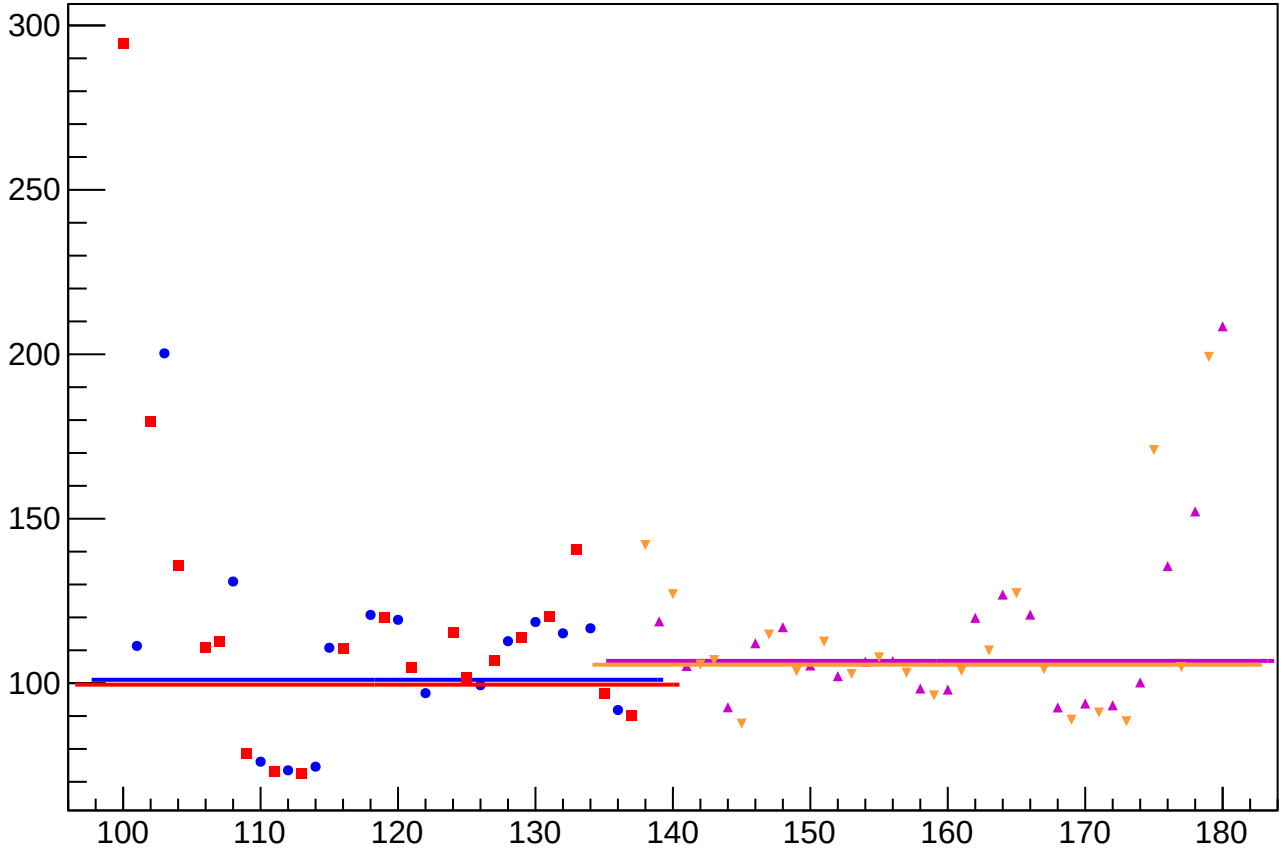
Left In: -80.819+/-26.524 χ^2/NDF:34.1/20

+ sign 35.261+/-21.621 χ^2/NDF: 36.0/37

All: -9.705+/-15.345 χ^2/NDF: 106.5/77

- 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: 105.619+/-0.018 χ^2/NDF:1006014.7/21

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

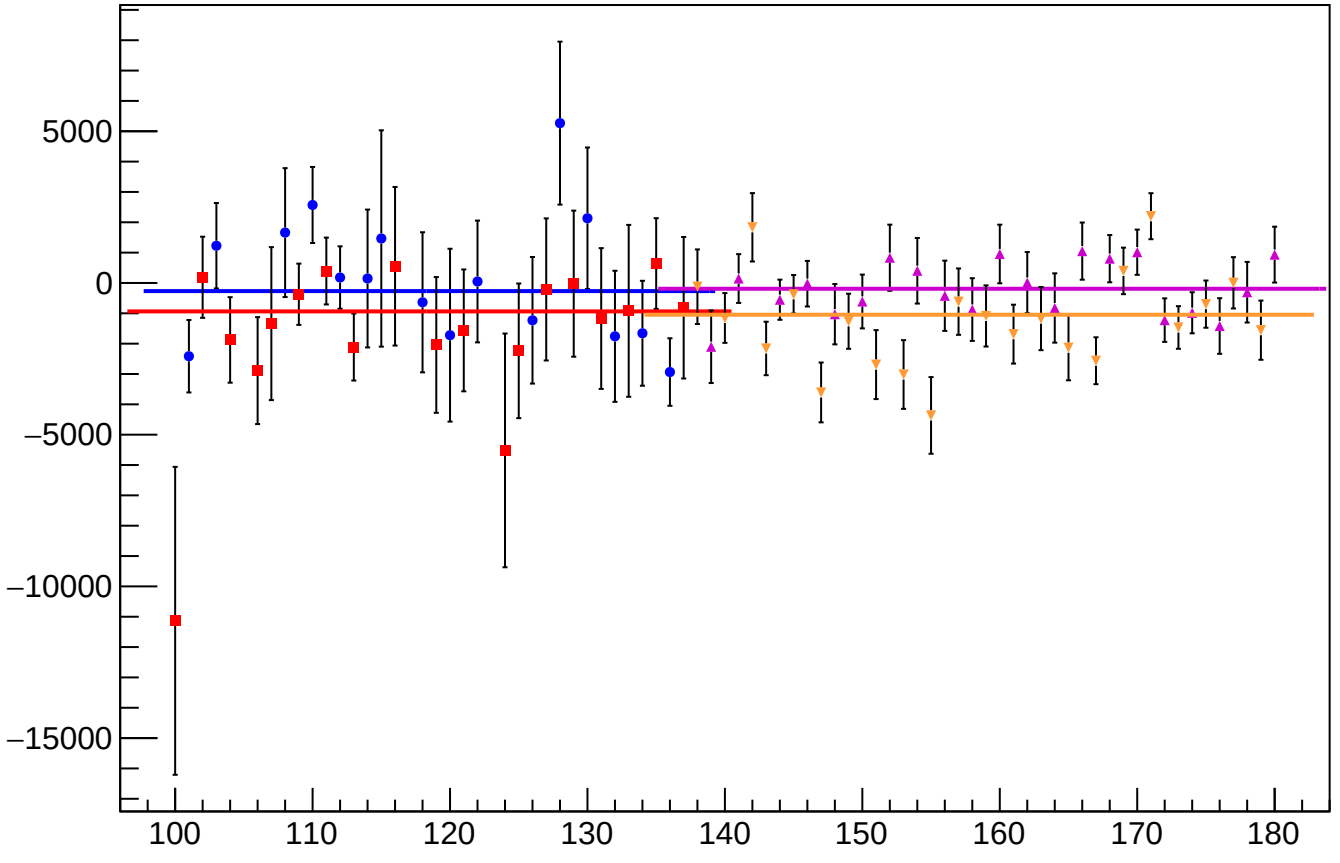
Left In: 106.777+/-0.019 χ^2/NDF:870555.9/20

+ sign 104.208+/-0.015 χ^2/NDF: 1741282.3/37

All: 104.314+/-0.011 χ^2/NDF: 3540831.4/77

- sign 104.422+/-0.015 χ^2/NDF: 1799451.6/39

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1046.693+/-192.268 χ^2/NDF:58.4/21

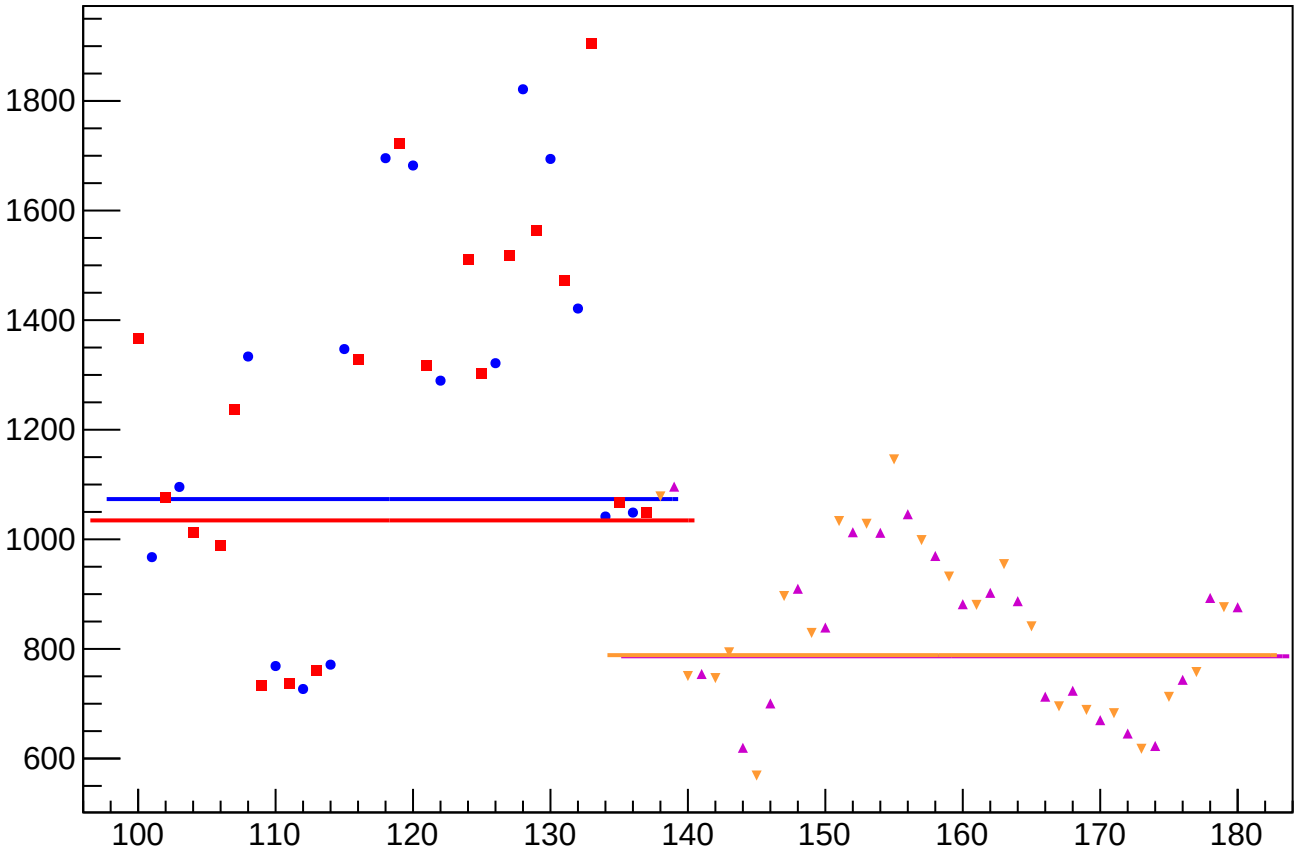
Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: -191.172+/-192.934 χ^2/NDF:20.1/20

+ sign -910.187+/-174.607 χ^2/NDF: 84.8/37

All: -620.232+/-123.059 χ^2/NDF: 126.4/77

- sign -334.060+/-173.464 χ^2/NDF: 36.1/39



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 788.646+/-0.136 χ^2/NDF:1174892.9/21

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

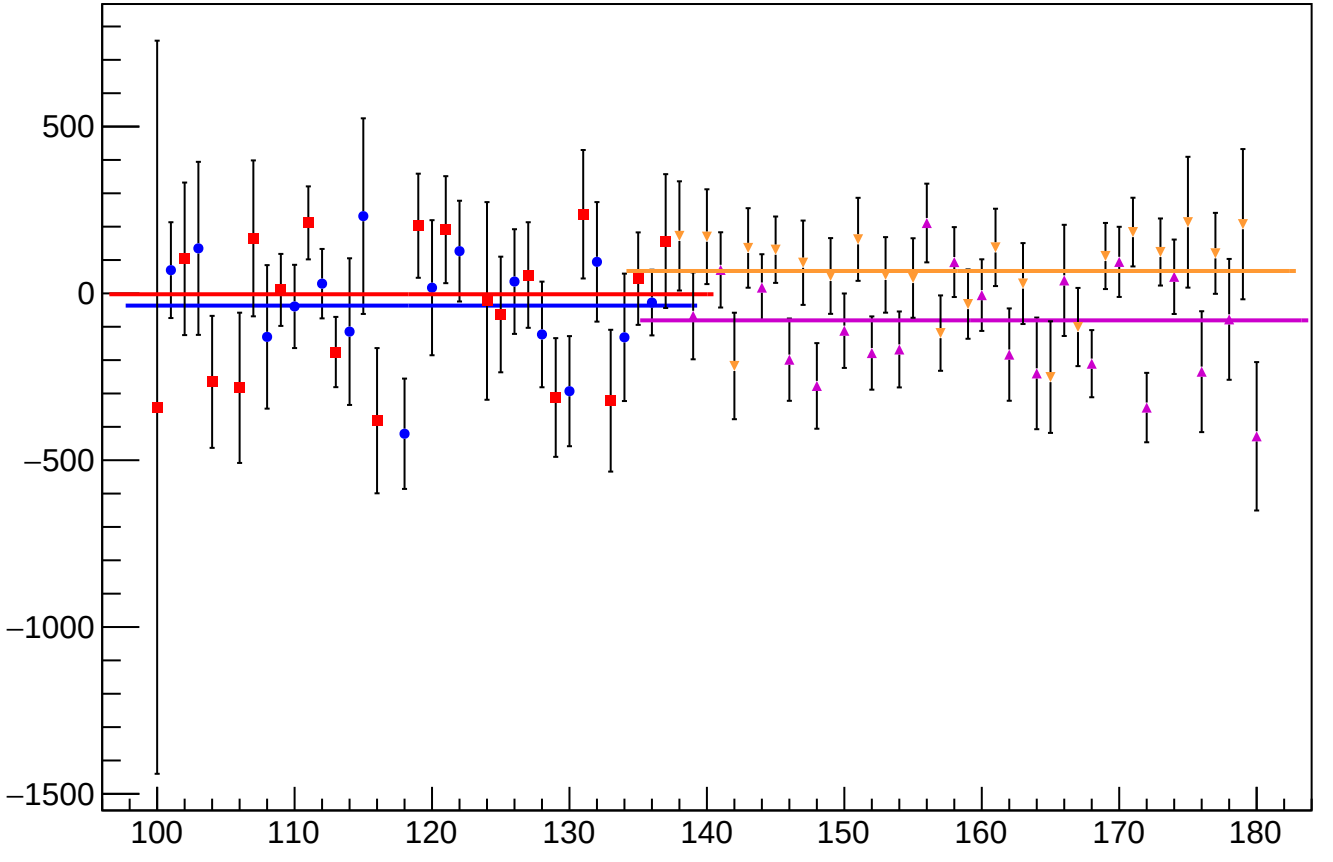
Left In: 786.555+/-0.136 χ^2/NDF:1040461.7/20

+ sign 838.566+/-0.123 χ^2/NDF: 3021163.0/37

All: 836.309+/-0.087 χ^2/NDF: 5924855.6/77

- 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: 67.167+/-25.982 χ^2/NDF:18.2/21

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

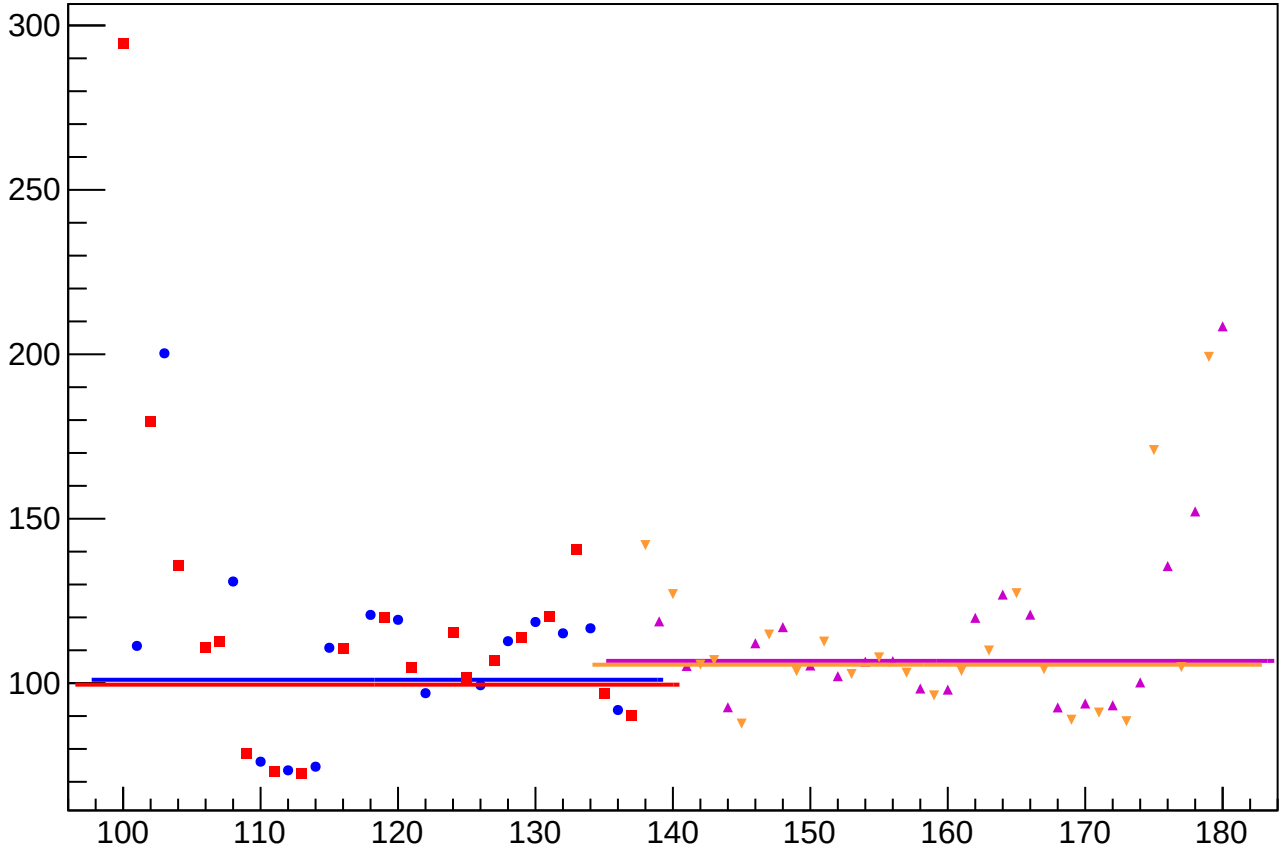
Left In: -80.818+/-26.524 χ^2/NDF:34.1/20

+ sign 35.262+/-21.622 χ^2/NDF: 36.0/37

All: -9.704+/-15.345 χ^2/NDF: 106.5/77

- 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: 105.619+/-0.018 χ^2/NDF:1006015.7/21

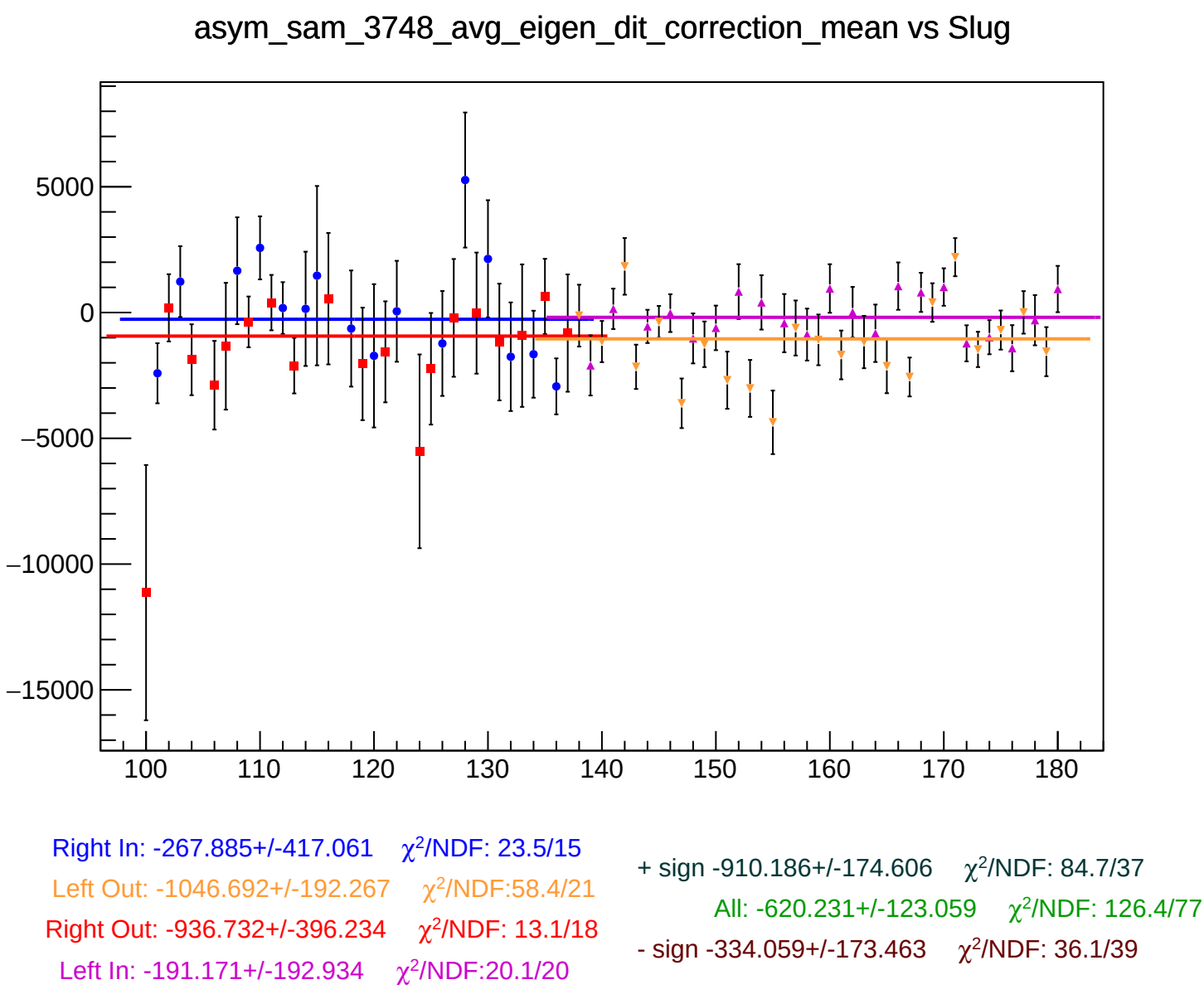
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

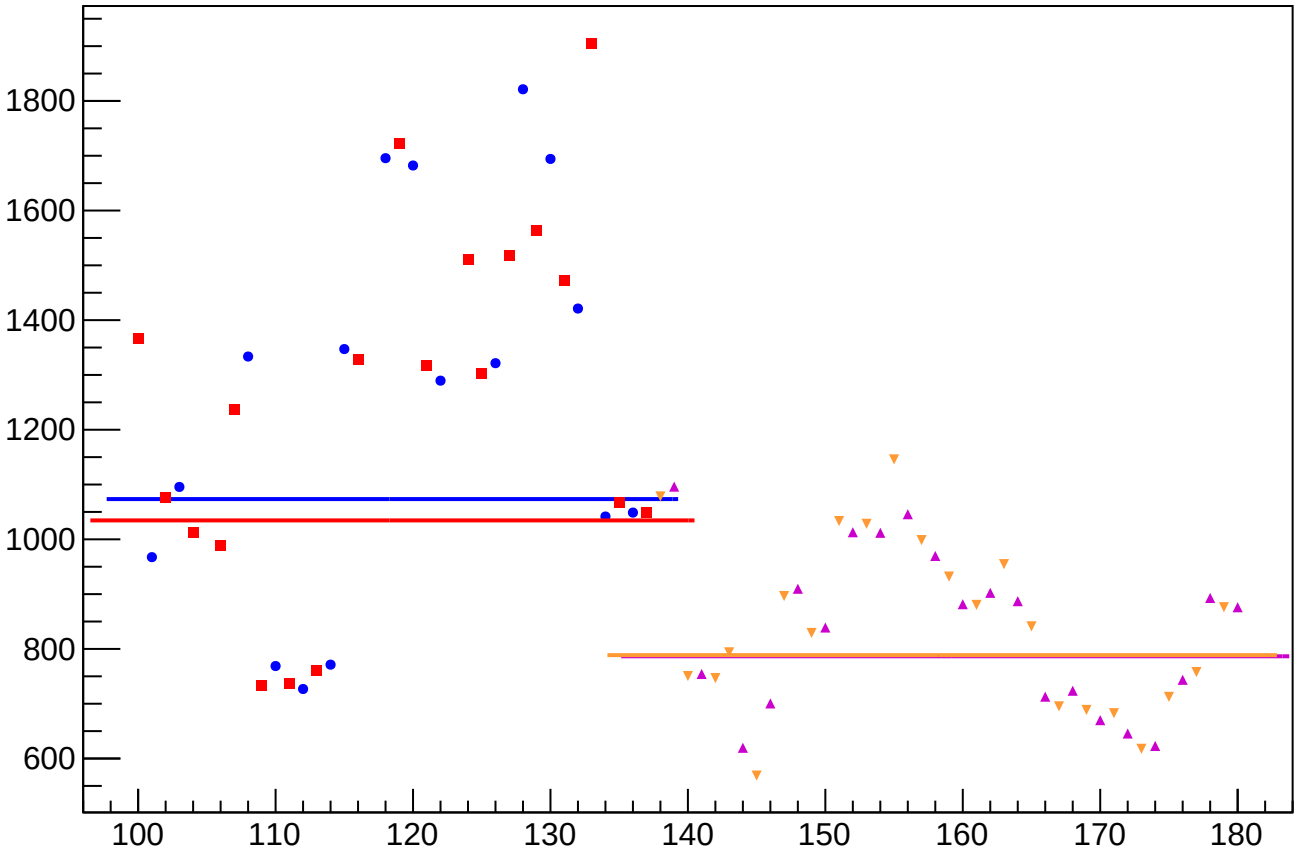
Left In: 106.777+/-0.019 χ^2/NDF:870538.2/20

+ sign 104.208+/-0.015 χ^2/NDF: 1741283.2/37

All: 104.315+/-0.011 χ^2/NDF: 3540818.9/77

- 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: -1046.692+/-192.267 χ²/NDF:58.4/21
Right Out: -936.732+/-396.234 χ²/NDF: 13.1/18
Left In: -191.171+/-192.934 χ²/NDF:20.1/20
+ sign -910.186+/-174.606 χ²/NDF: 84.7/37
All: -620.231+/-123.059 χ²/NDF: 126.4/77
- sign -334.059+/-173.463 χ²/NDF: 36.1/39



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 788.645+/-0.136 χ^2/NDF:1174895.6/21

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

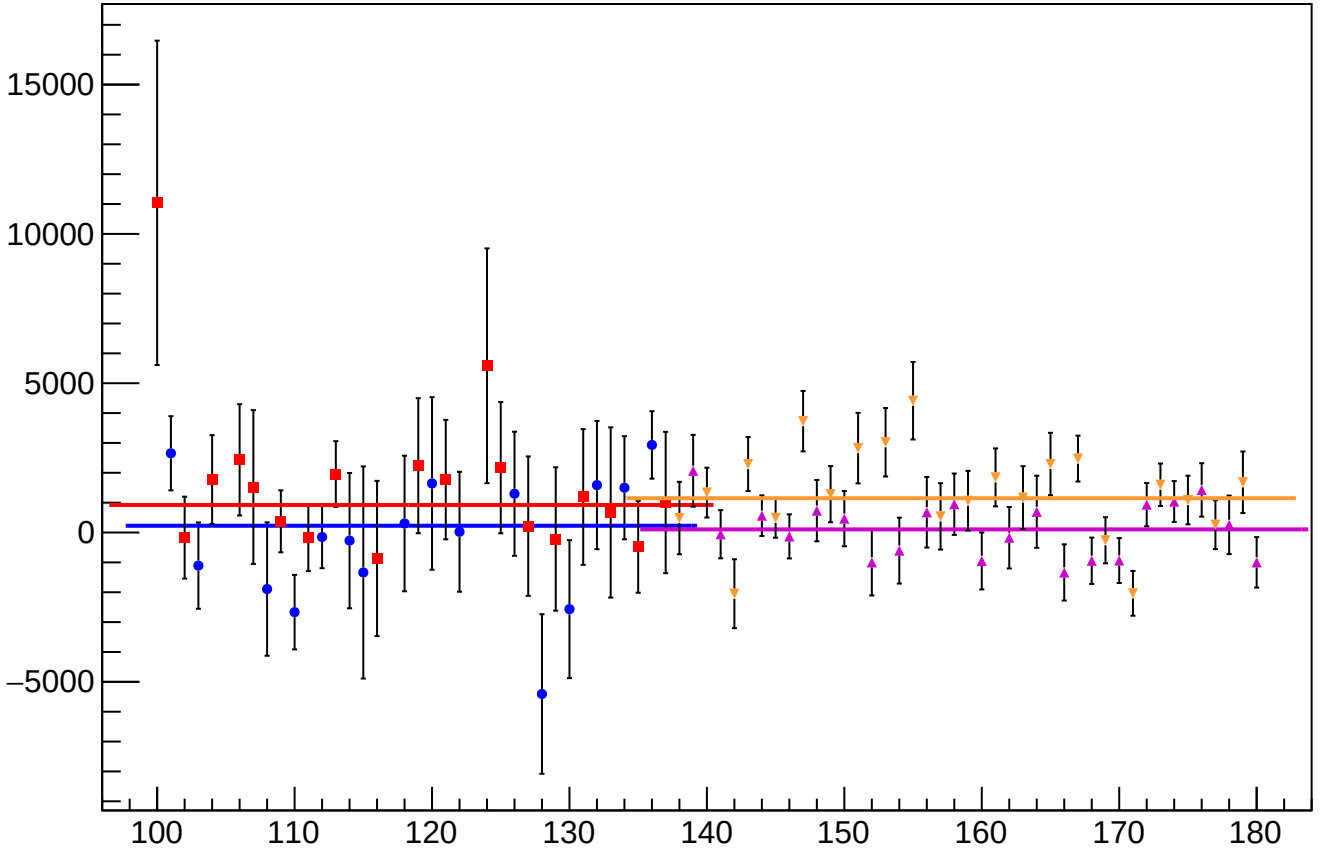
Left In: 786.554+/-0.136 χ^2/NDF:1040461.8/20

+ sign 838.565+/-0.123 χ^2/NDF: 3021171.1/37

All: 836.307+/-0.087 χ^2/NDF: 5924867.2/77

- 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: 1148.558+/-194.970 χ^2/NDF:56.4/21

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

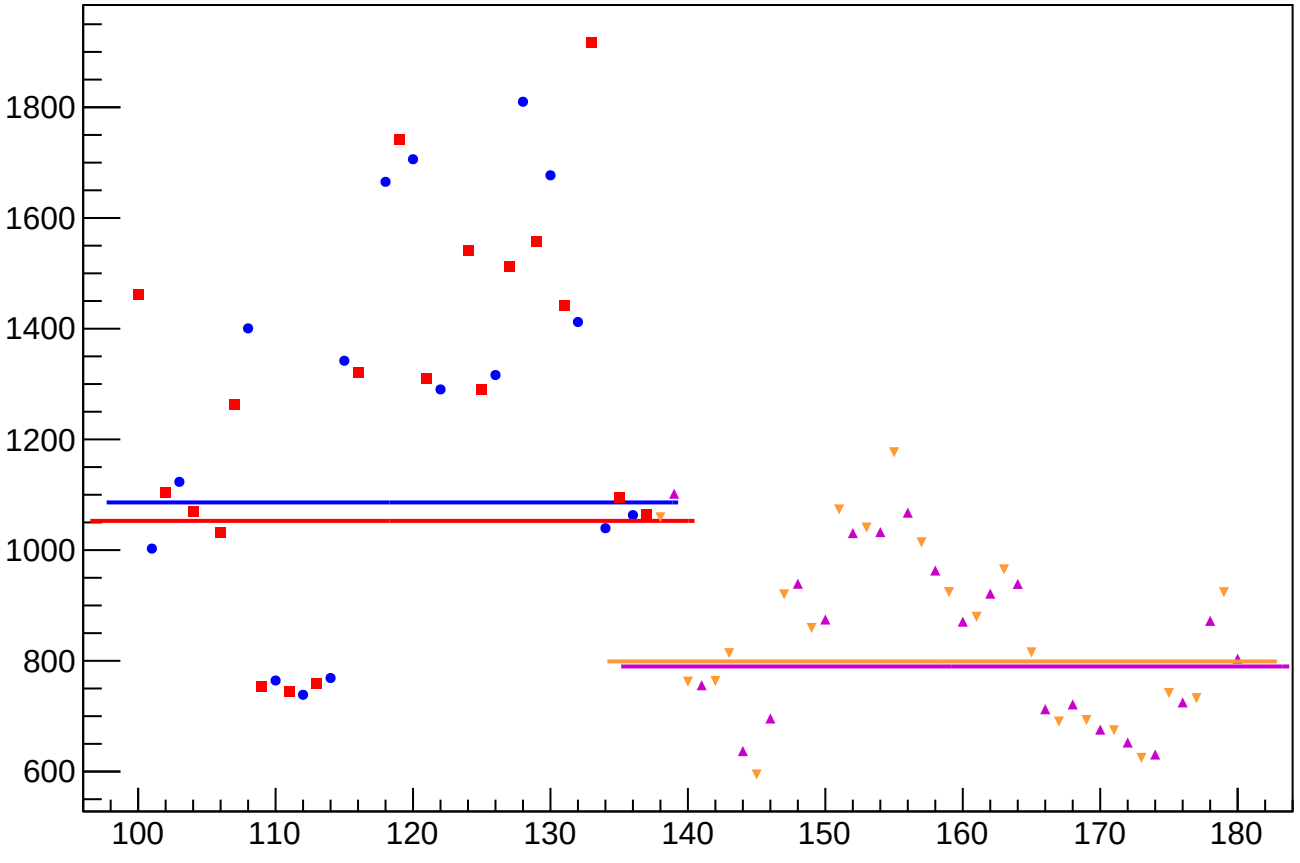
Left In: 105.075+/-193.735 χ^2/NDF:20.8/20

+ sign 986.434+/-176.981 χ^2/NDF: 84.8/37

All: 617.657+/-124.299 χ^2/NDF: 128.7/77

- sign 258.675+/-174.615 χ^2/NDF: 35.3/39

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 798.900+/-0.138 χ^2/NDF:1166904.0/21

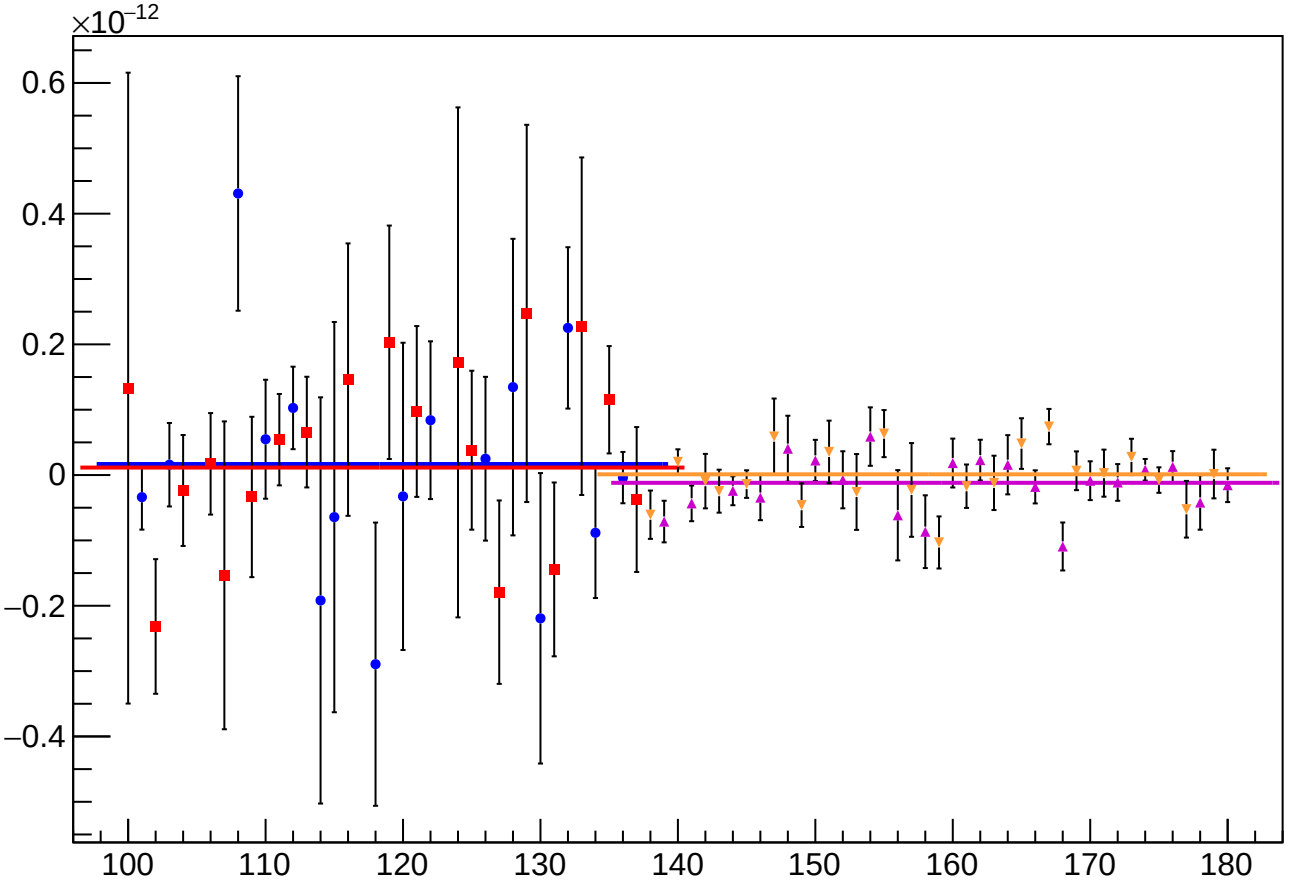
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 789.800+/-0.137 χ^2/NDF:1046731.4/20

+ sign 849.459+/-0.125 χ^2/NDF: 2978463.9/37

All: 844.238+/-0.088 χ^2/NDF: 5914816.5/77

- 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:30.5/21

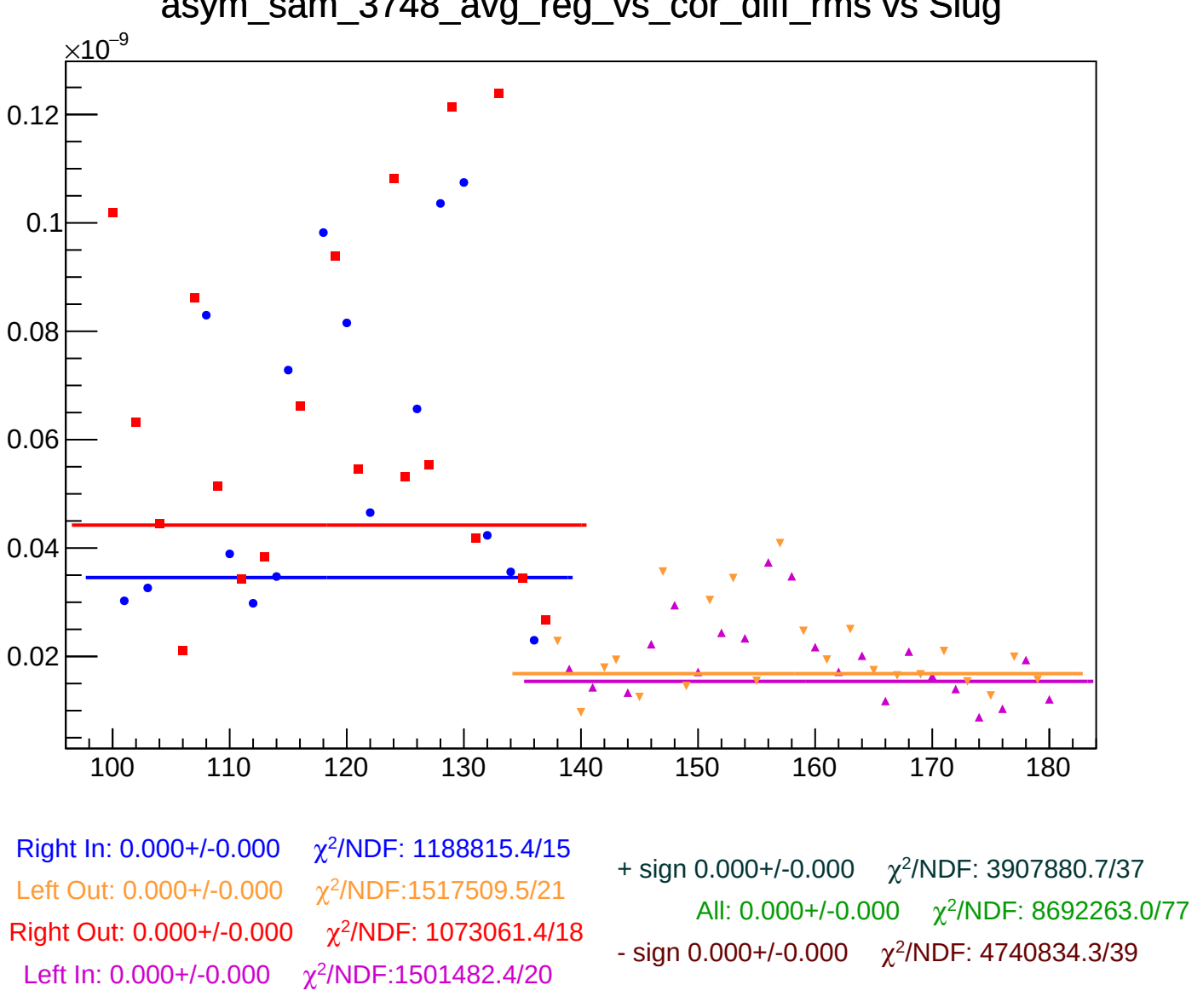
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

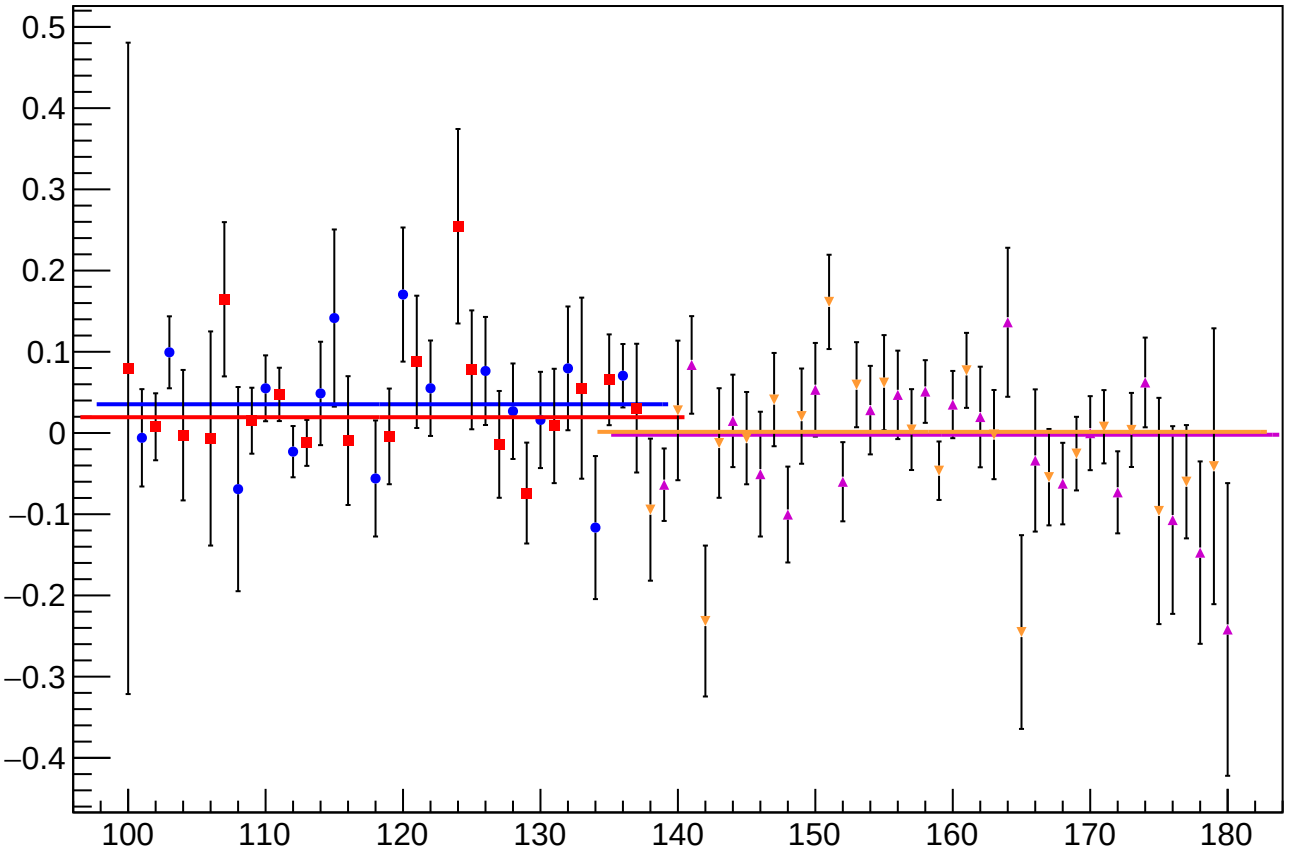
Left In: -0.000+/-0.000 χ^2/NDF:25.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/37

All: -0.000+/-0.000 χ^2/NDF: 91.4/77

- 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:1517509.5/21
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: 3907880.7/37
All: 0.000+/-0.000 χ²/NDF: 8692263.0/77
- sign 0.000+/-0.000 χ²/NDF: 4740834.3/39



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

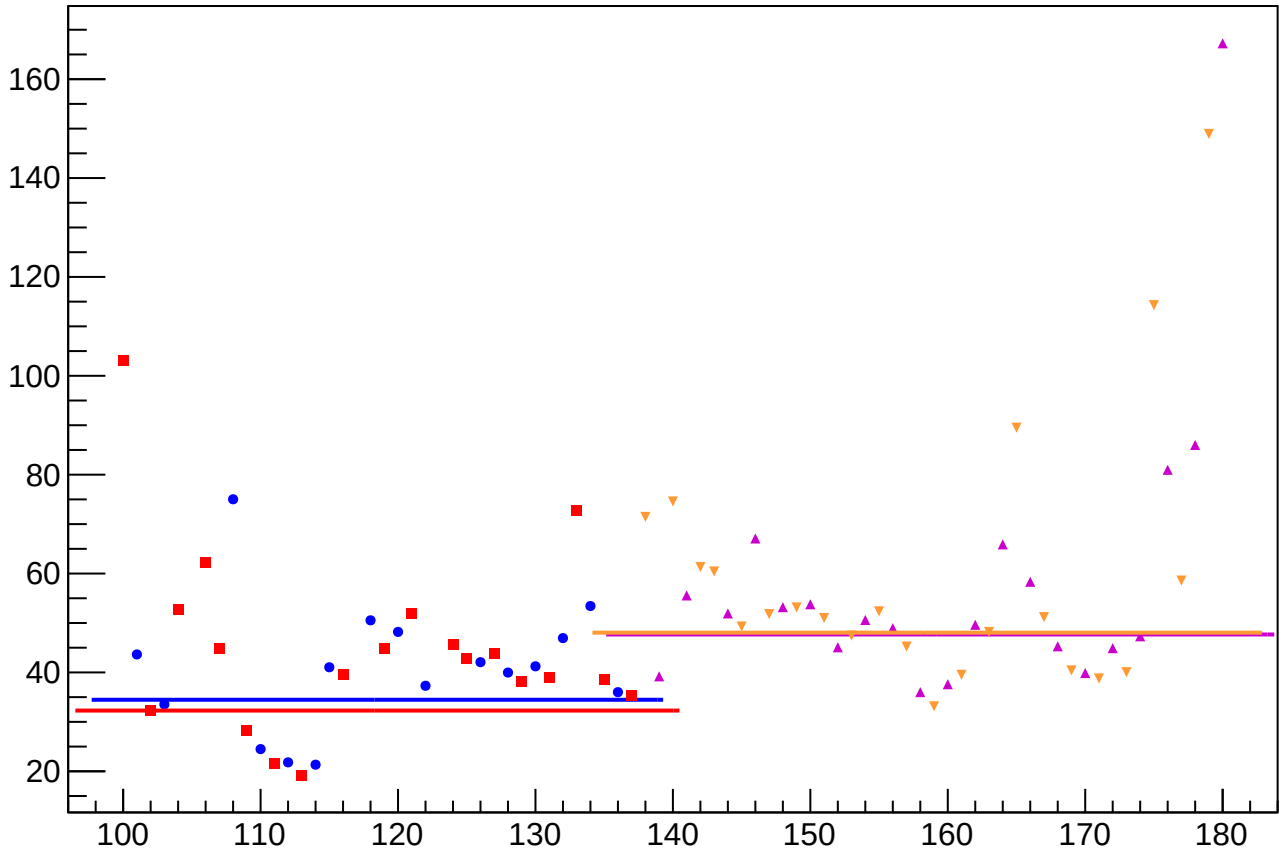
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:24.9/20

+ sign 0.016+/-0.009 χ^2/NDF: 49.7/37

All: 0.012+/-0.006 χ^2/NDF: 89.9/77

- 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: 48.045+/-0.009 χ^2/NDF:2553757.2/21

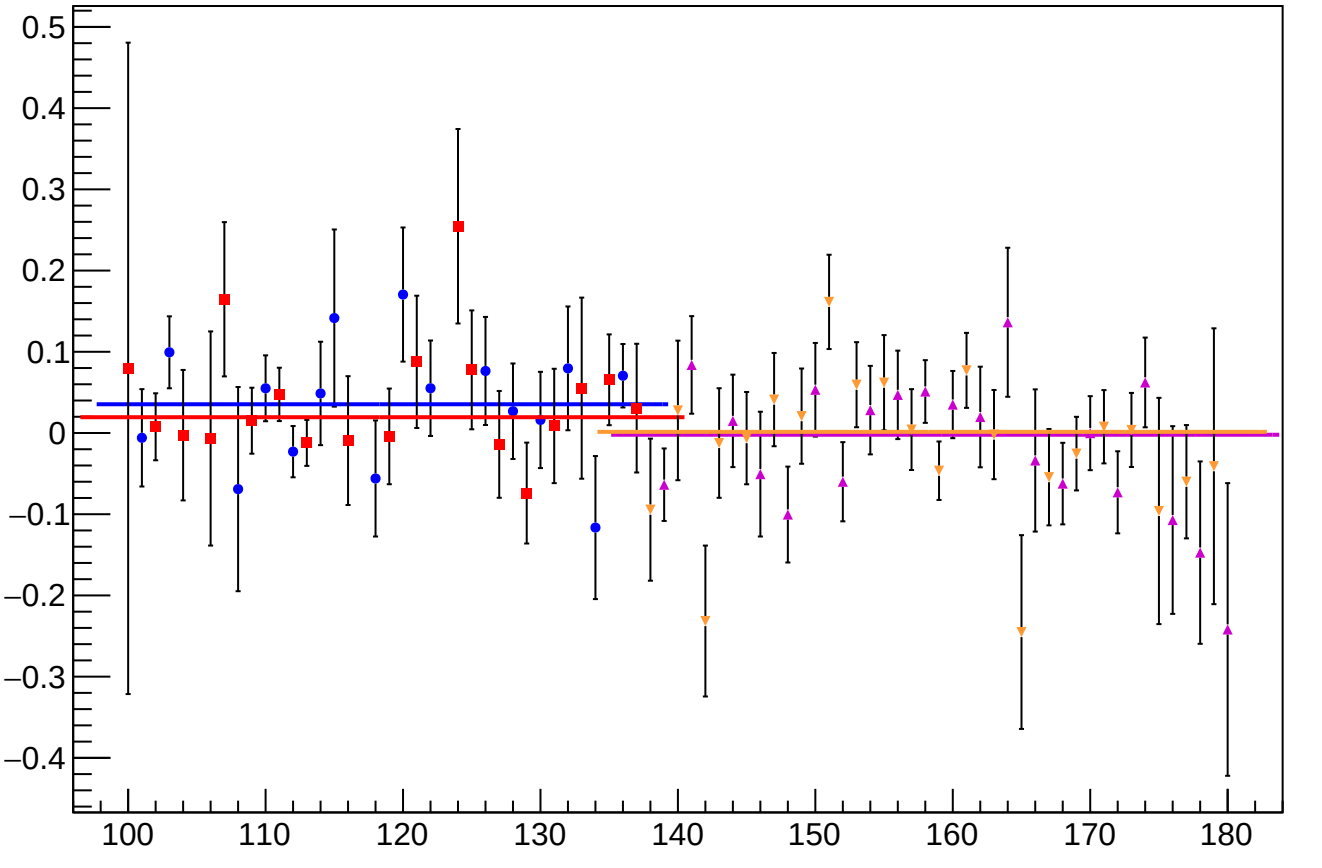
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.673+/-0.009 χ^2/NDF:2058661.3/20

+ sign 42.042+/-0.007 χ^2/NDF: 4790805.6/37

All: 41.204+/-0.005 χ^2/NDF: 10005413.9/77

- 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: 0.001+/-0.012 χ^2/NDF:29.4/21

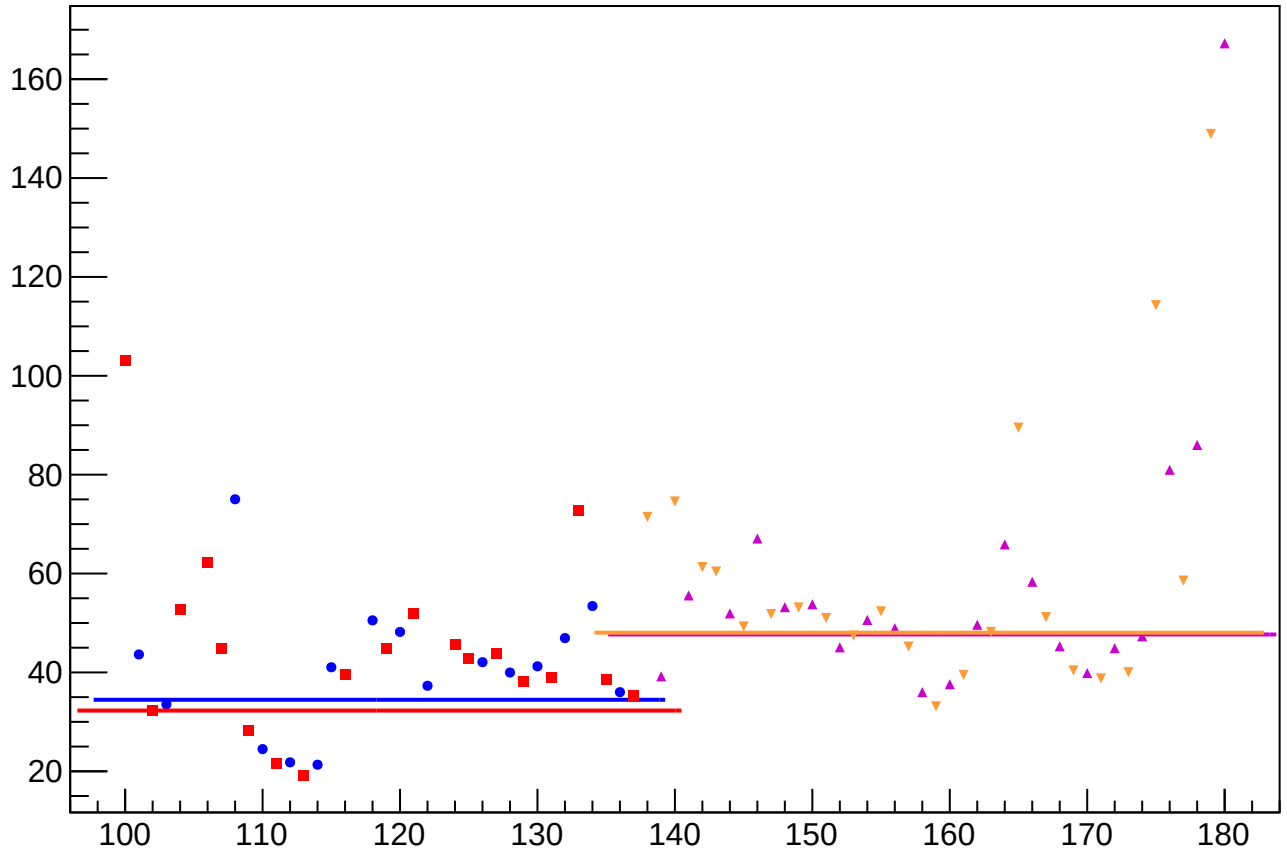
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:24.9/20

+ sign 0.016+/-0.009 χ^2/NDF: 49.7/37

All: 0.012+/-0.006 χ^2/NDF: 89.9/77

- 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: 48.045+/-0.009 χ^2/NDF:2553757.2/21

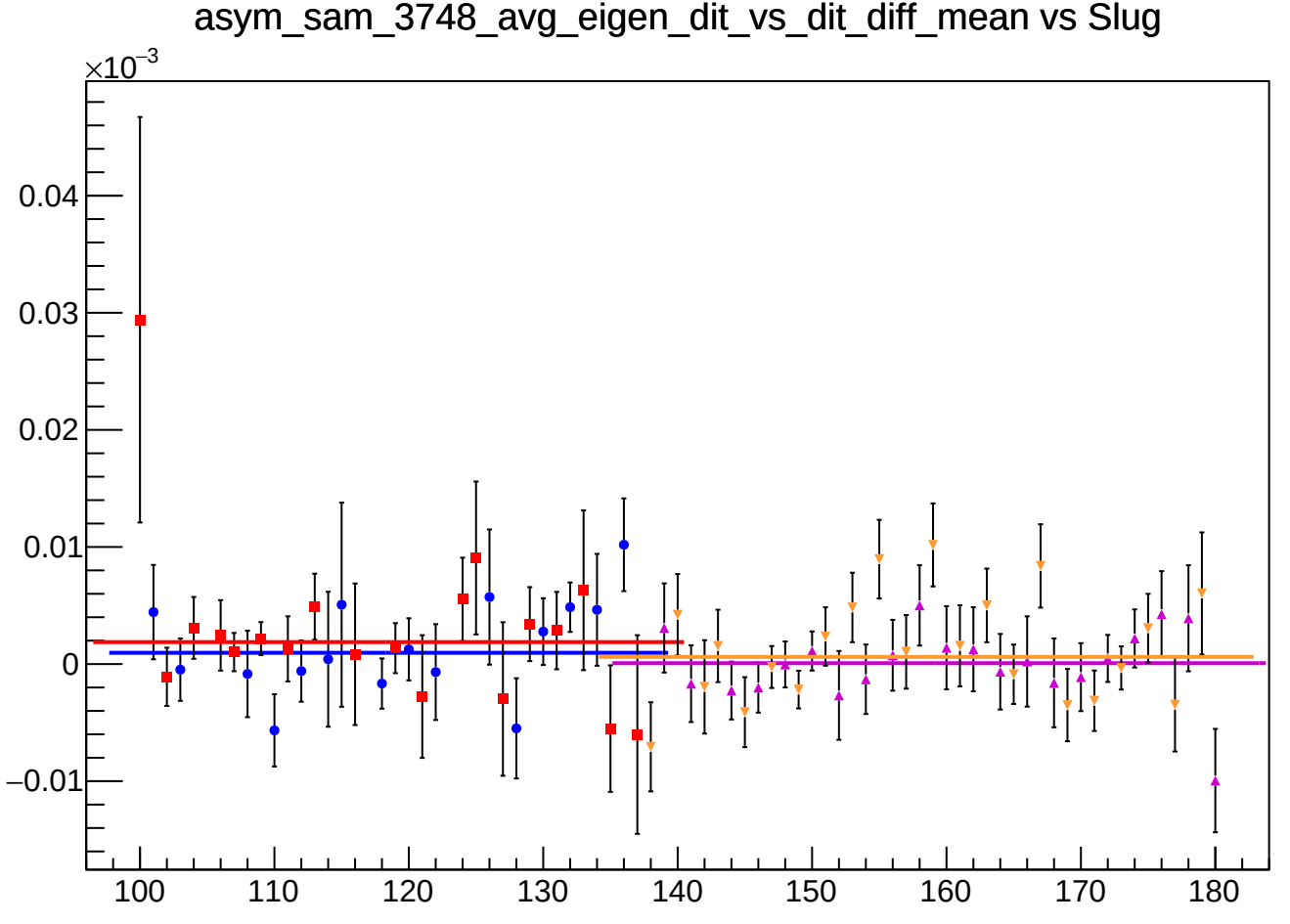
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.673+/-0.009 χ^2/NDF:2058661.3/20

+ sign 42.042+/-0.007 χ^2/NDF: 4790805.6/37

All: 41.204+/-0.005 χ^2/NDF: 10005413.9/77

- 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:41.5/21

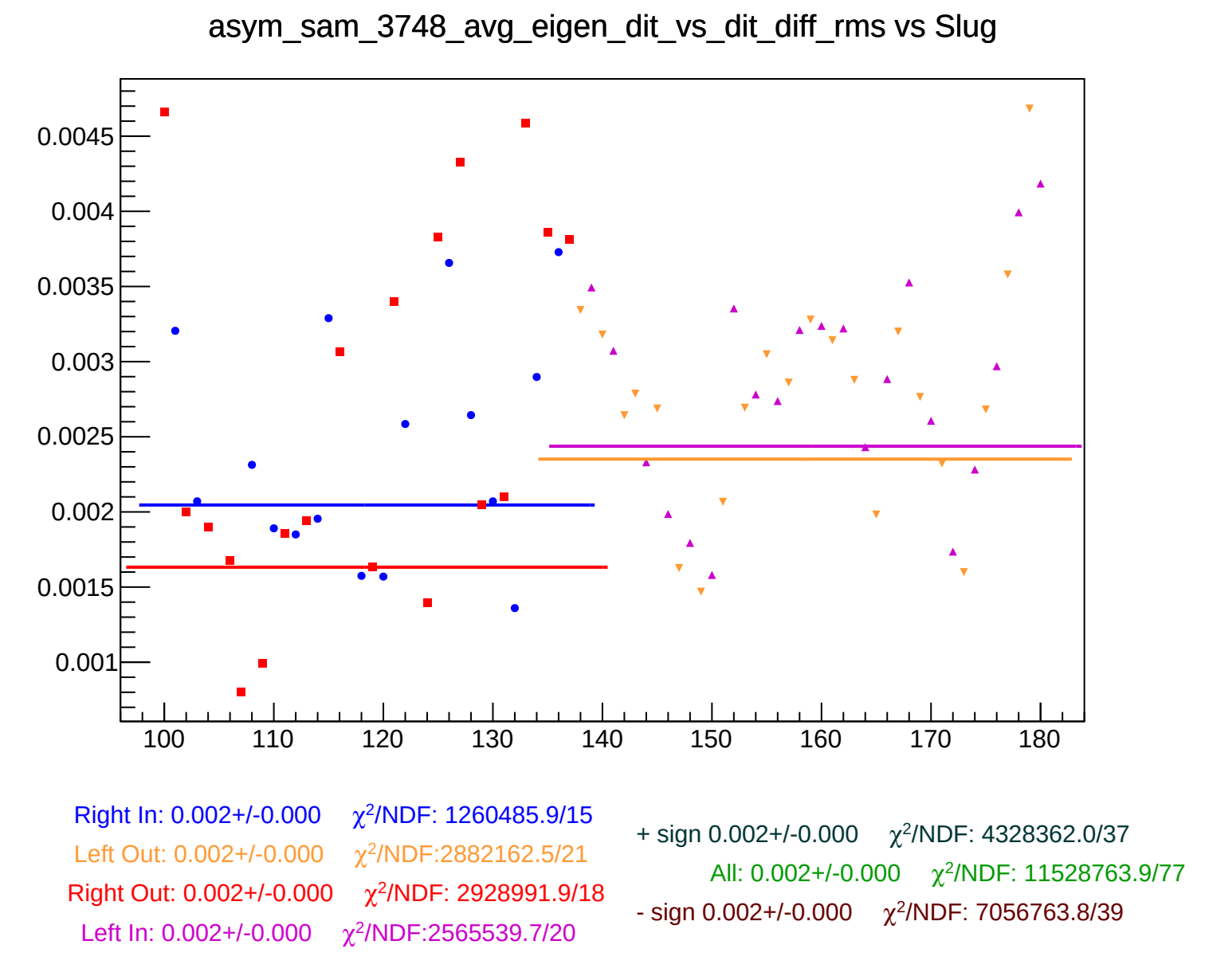
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

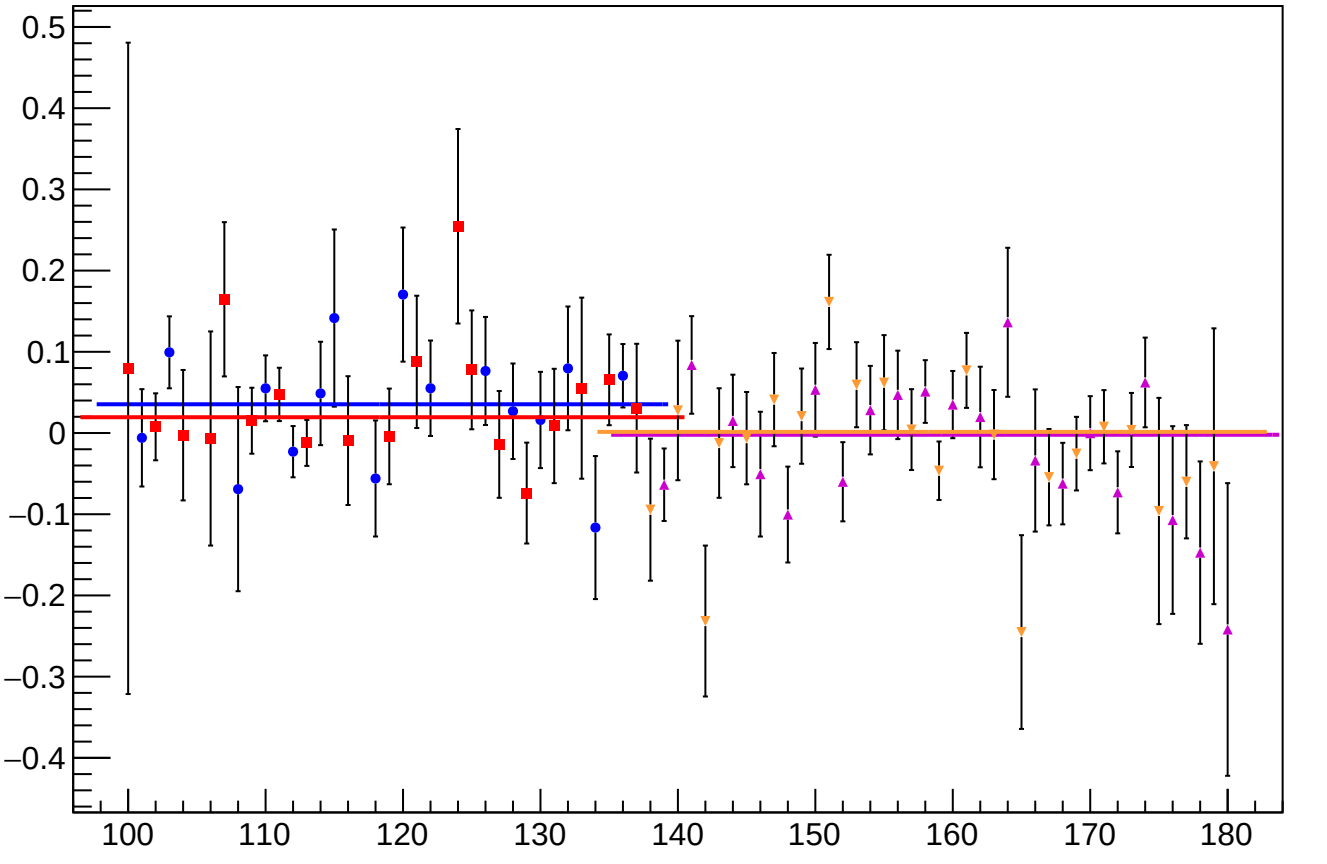
Left In: 0.000+/-0.000 χ^2/NDF:14.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/37

All: 0.000+/-0.000 χ^2/NDF: 94.0/77

- sign 0.000+/-0.000 χ^2/NDF: 31.4/39


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2882162.5/21
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:2565539.7/20
+ sign 0.002+/-0.000 χ²/NDF: 4328362.0/37
All: 0.002+/-0.000 χ²/NDF: 11528763.9/77
- sign 0.002+/-0.000 χ²/NDF: 7056763.8/39



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

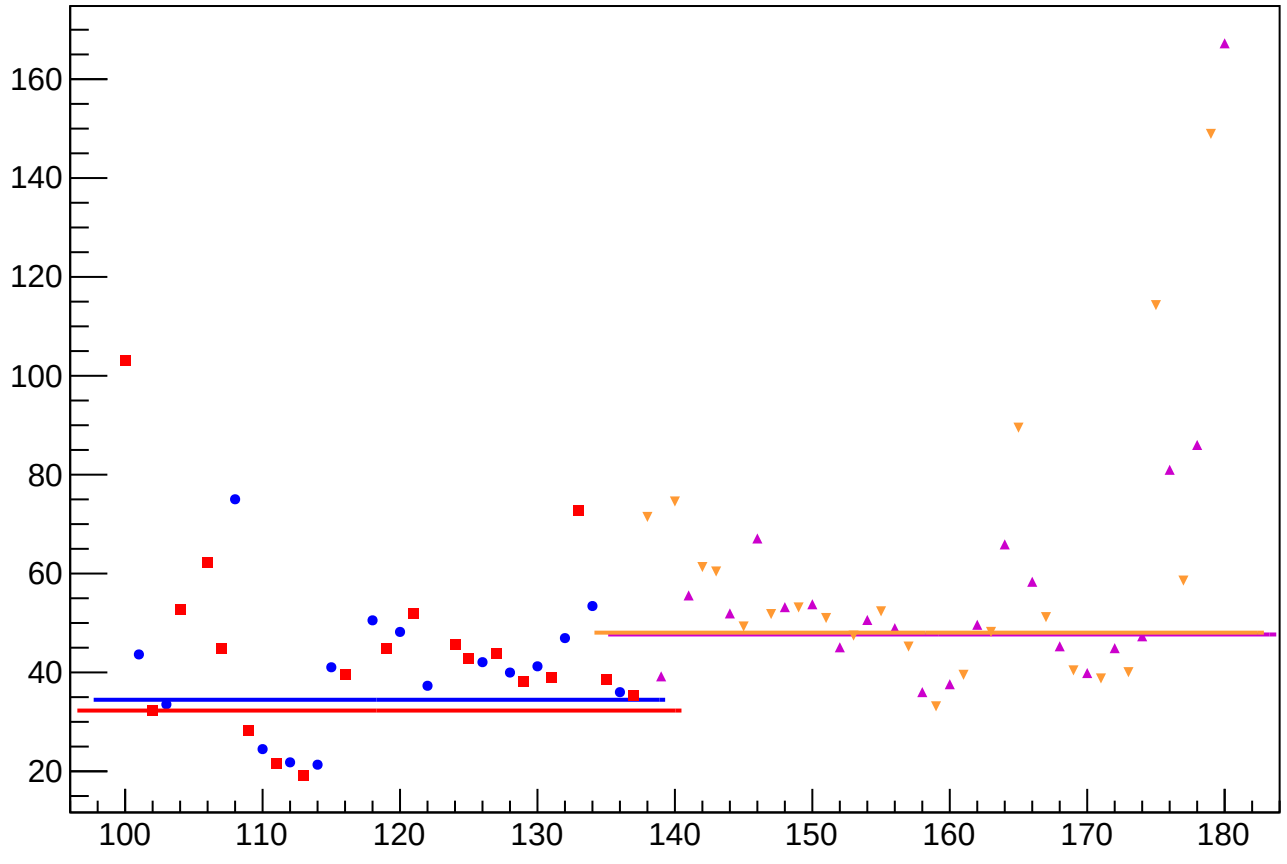
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:24.9/20

+ sign 0.016+/-0.009 χ^2/NDF: 49.7/37

All: 0.012+/-0.006 χ^2/NDF: 89.9/77

- 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: 48.046+/-0.009 χ^2/NDF:2553749.5/21

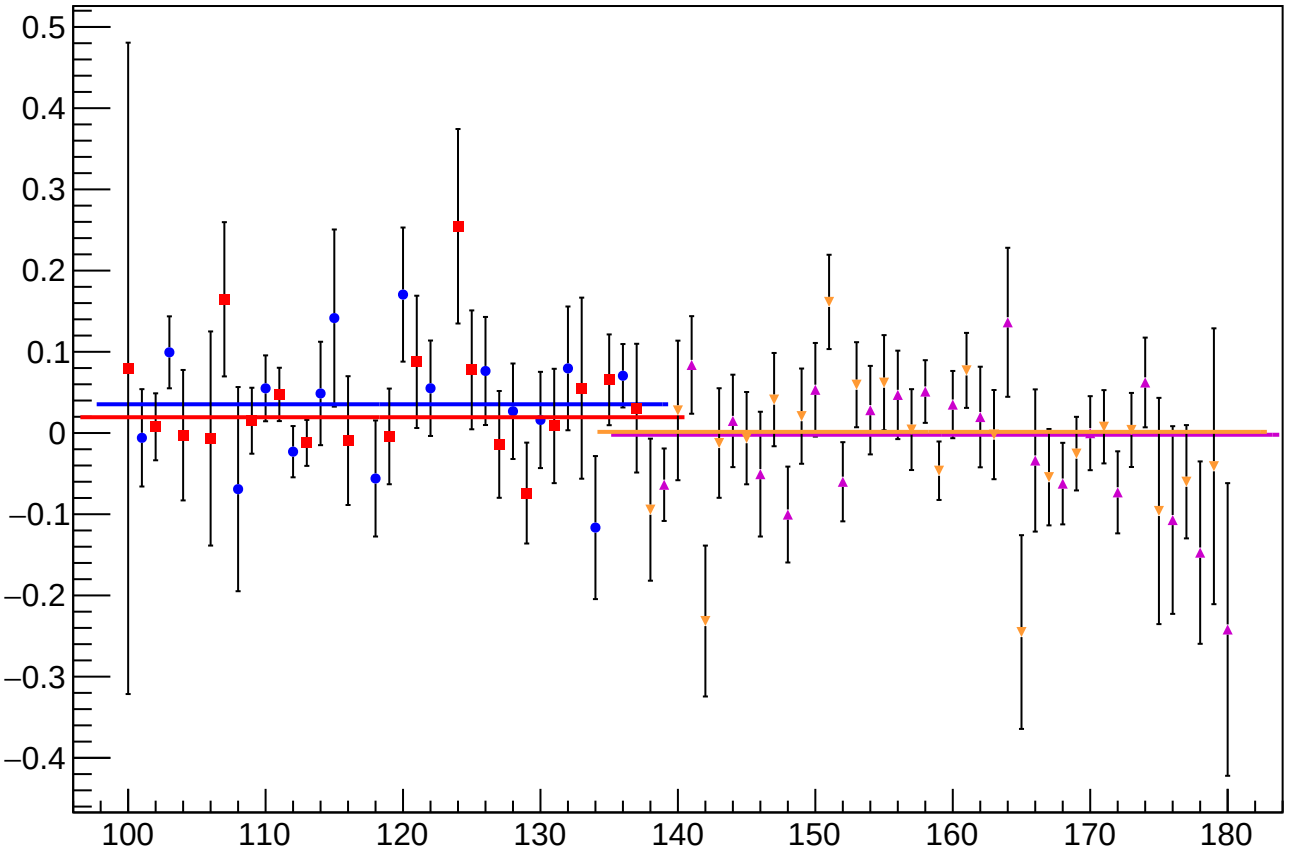
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.674+/-0.009 χ^2/NDF:2058637.7/20

+ sign 42.042+/-0.007 χ^2/NDF: 4790766.8/37

All: 41.204+/-0.005 χ^2/NDF: 10005323.0/77

- sign 40.405+/-0.006 χ^2/NDF: 5182390.4/39



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

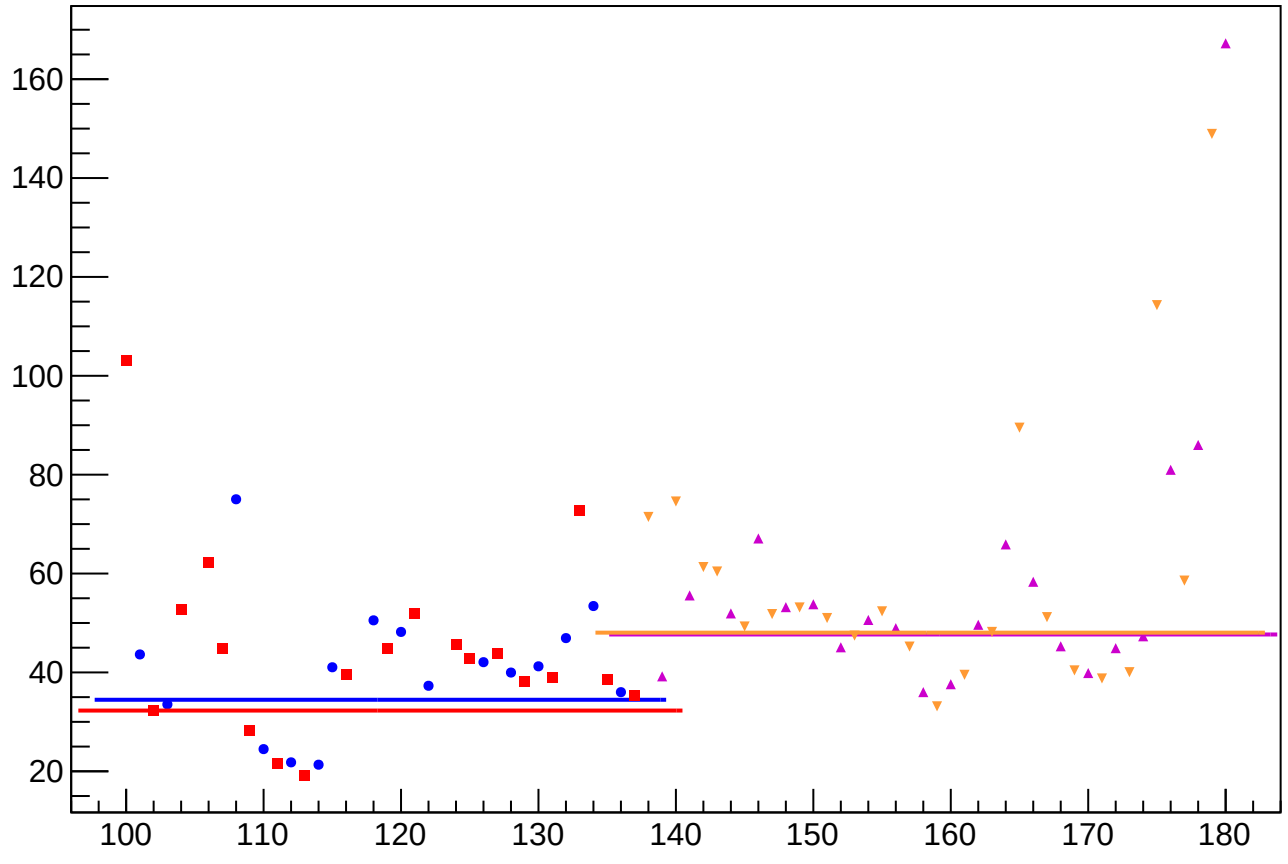
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.012 χ^2/NDF:24.9/20

+ sign 0.016+/-0.009 χ^2/NDF: 49.7/37

All: 0.012+/-0.006 χ^2/NDF: 89.9/77

- 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: 48.046+/-0.009 χ^2/NDF:2553749.5/21

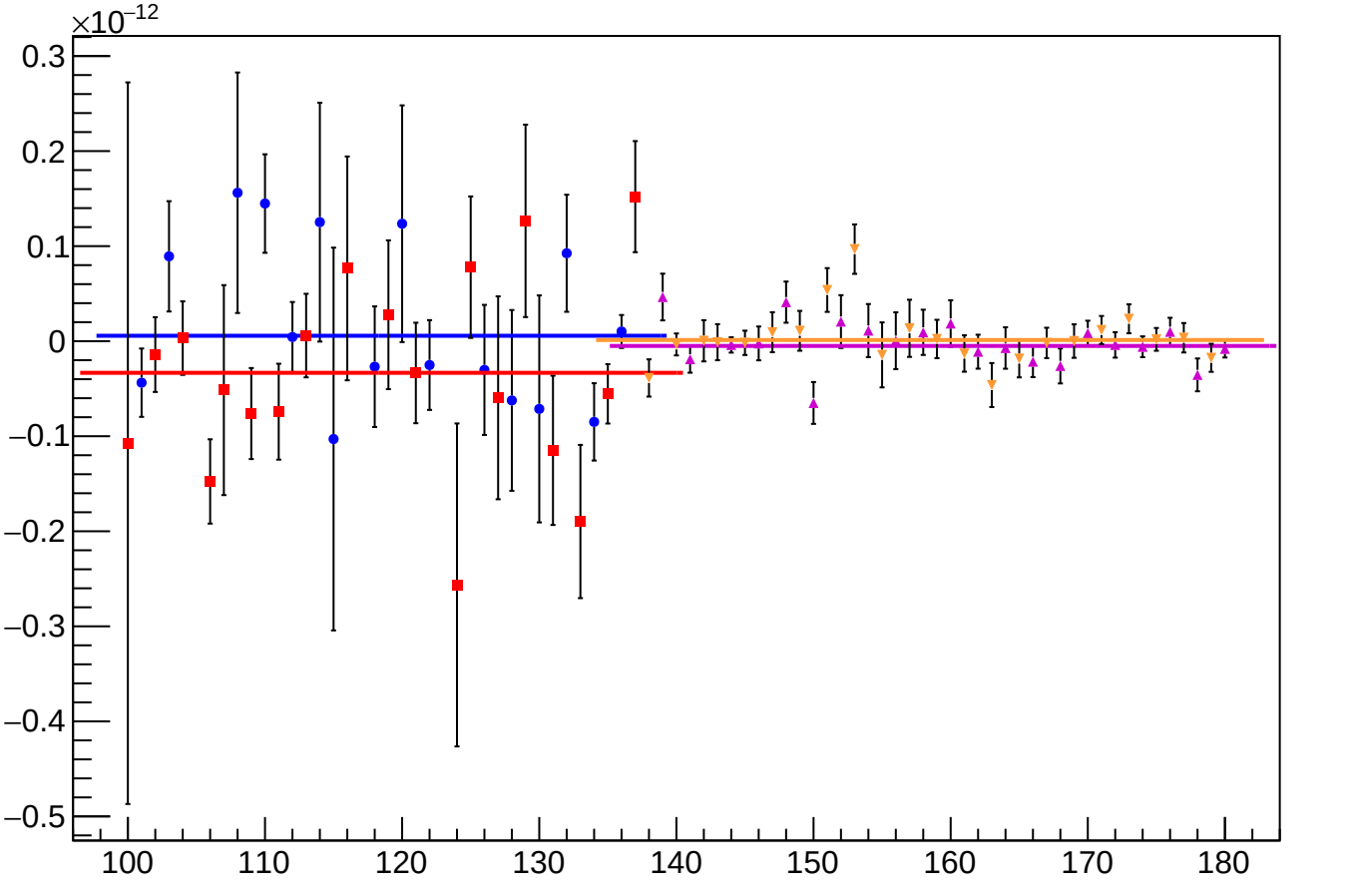
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.674+/-0.009 χ^2/NDF:2058637.7/20

+ sign 42.042+/-0.007 χ^2/NDF: 4790766.8/37

All: 41.204+/-0.005 χ^2/NDF: 10005323.0/77

- 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:33.9/21

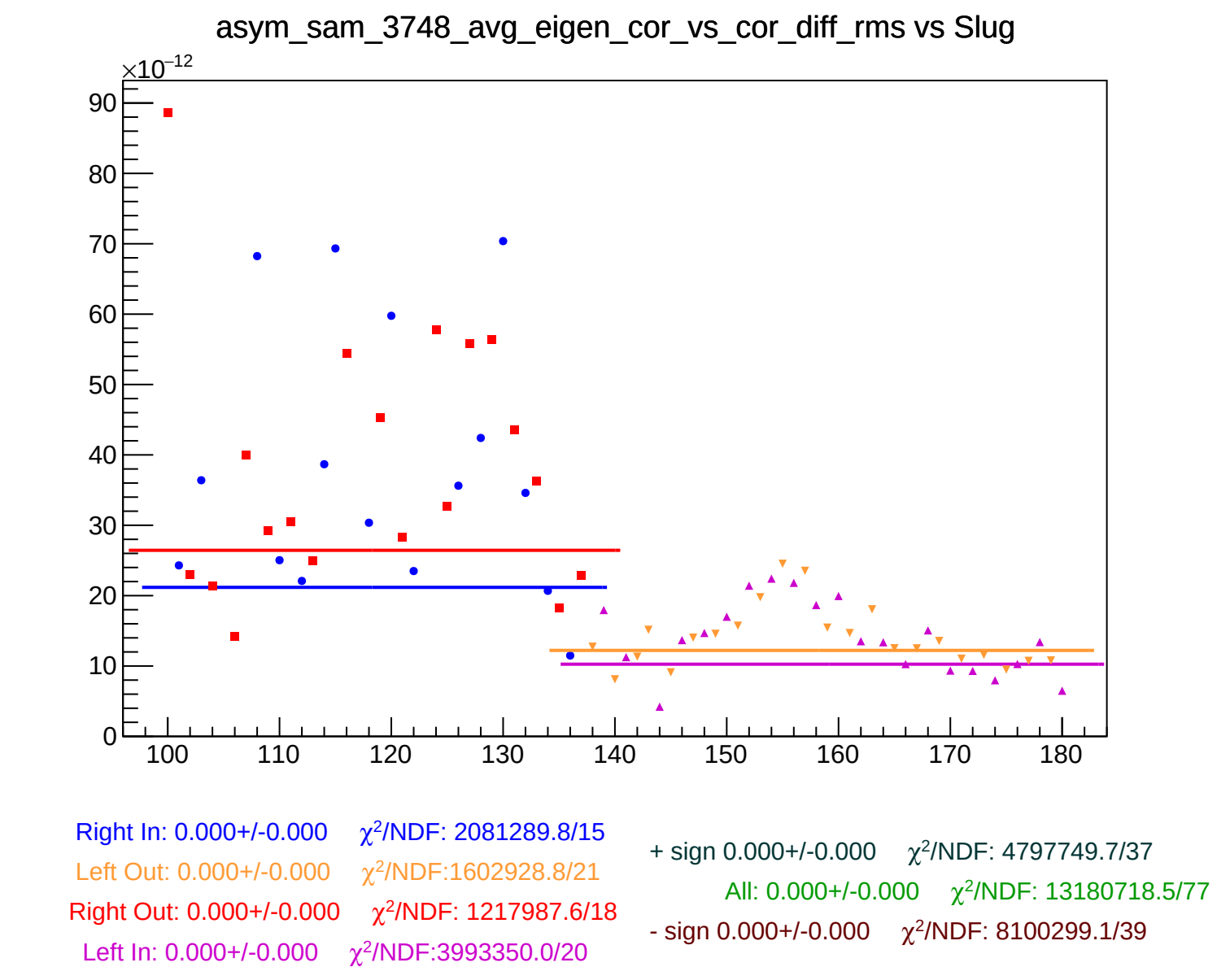
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:27.6/20

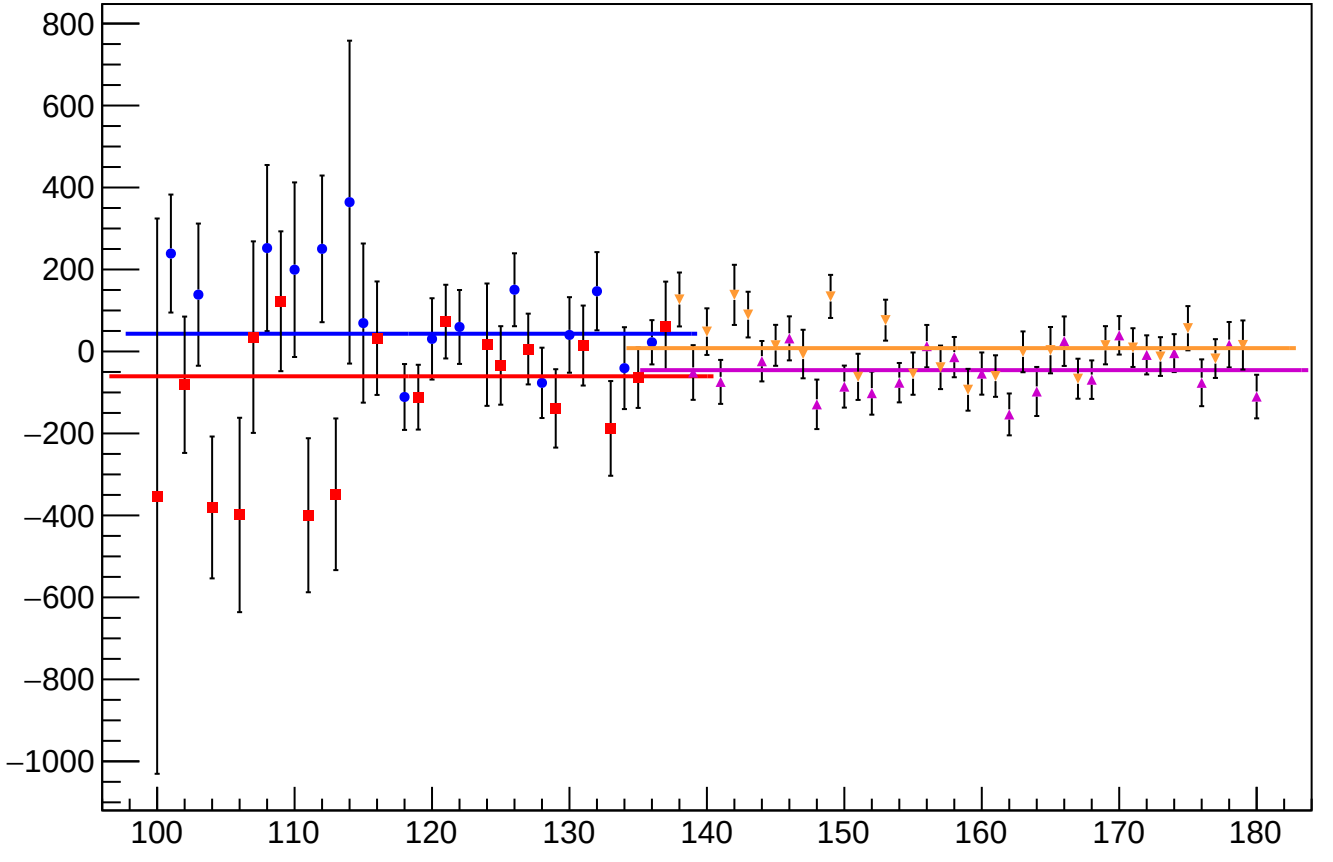
+ sign 0.000+/-0.000 χ^2/NDF: 57.6/37

All: -0.000+/-0.000 χ^2/NDF: 126.2/77

- 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:1602928.8/21
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: 4797749.7/37
All: 0.000+/-0.000 χ²/NDF: 13180718.5/77
- 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: 8.116+/-11.267 χ^2/NDF:30.0/21

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

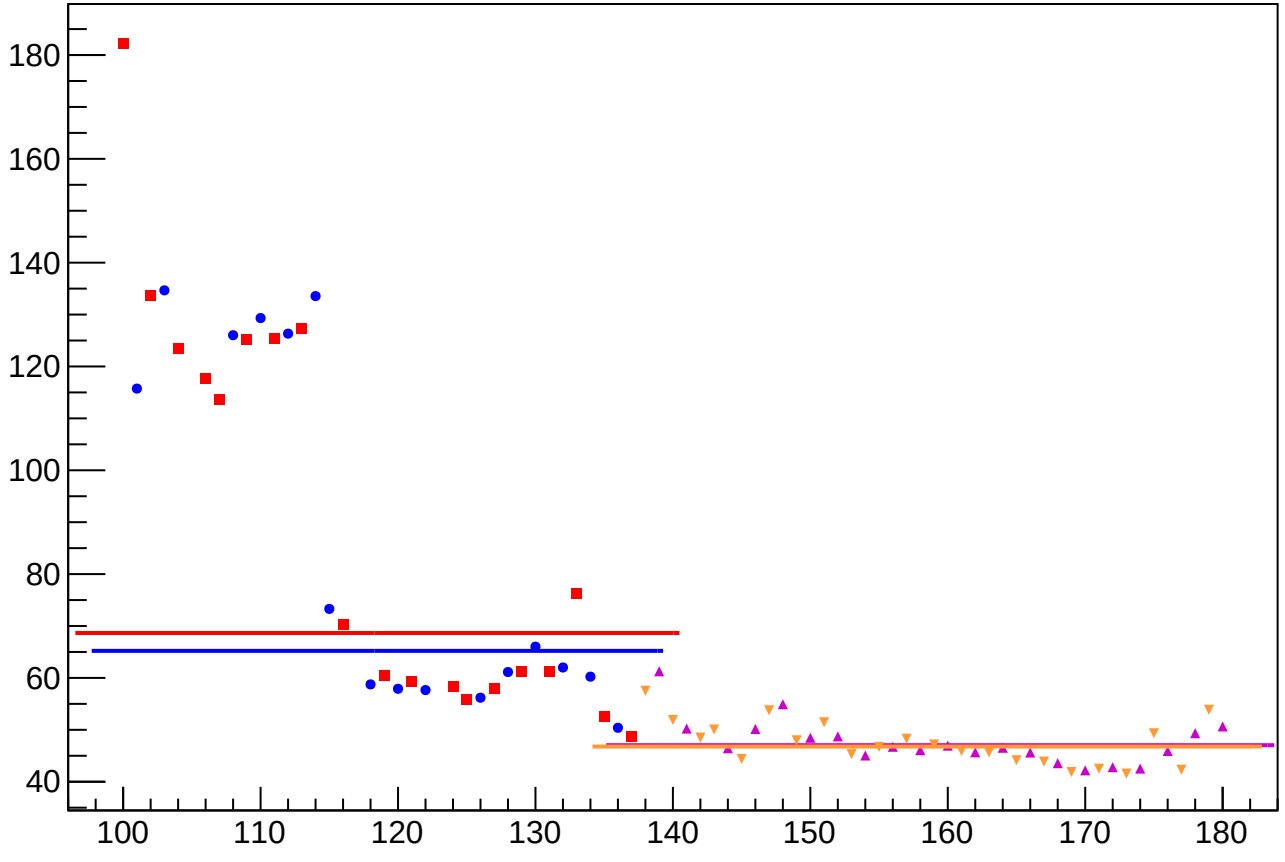
Left In: -45.577+/-11.409 χ^2/NDF:22.9/20

+ sign 13.750+/-10.324 χ^2/NDF: 46.5/37

All: -16.529+/-7.363 χ^2/NDF: 107.6/77

- 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: 46.774+/-0.008 χ^2/NDF:254376.5/21

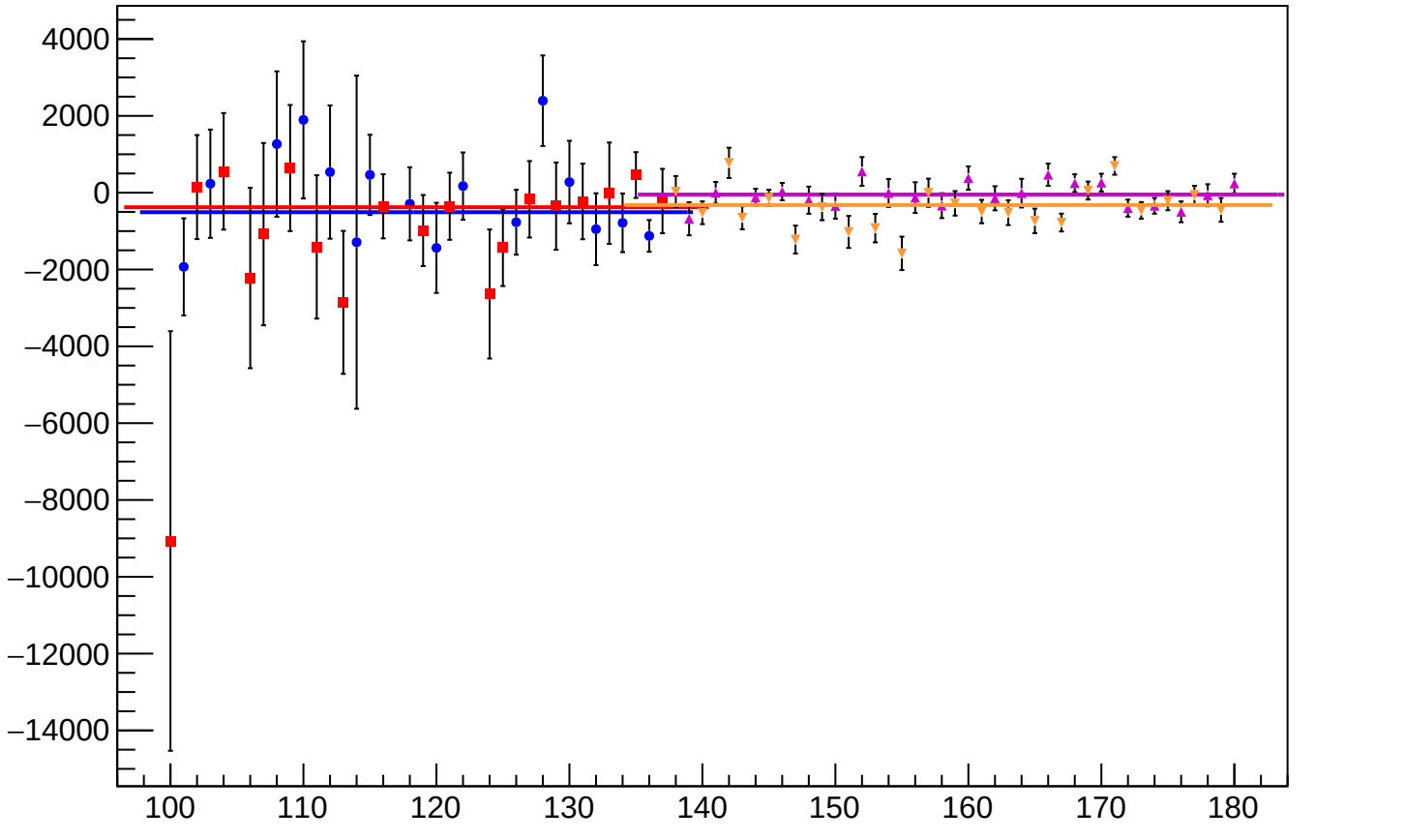
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 47.039+/-0.008 χ^2/NDF:230544.8/20

+ sign 49.731+/-0.007 χ^2/NDF: 2559854.0/37

All: 50.028+/-0.005 χ^2/NDF: 5529723.2/77

- 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: -321.788+/-61.958 χ^2/NDF:62.3/21

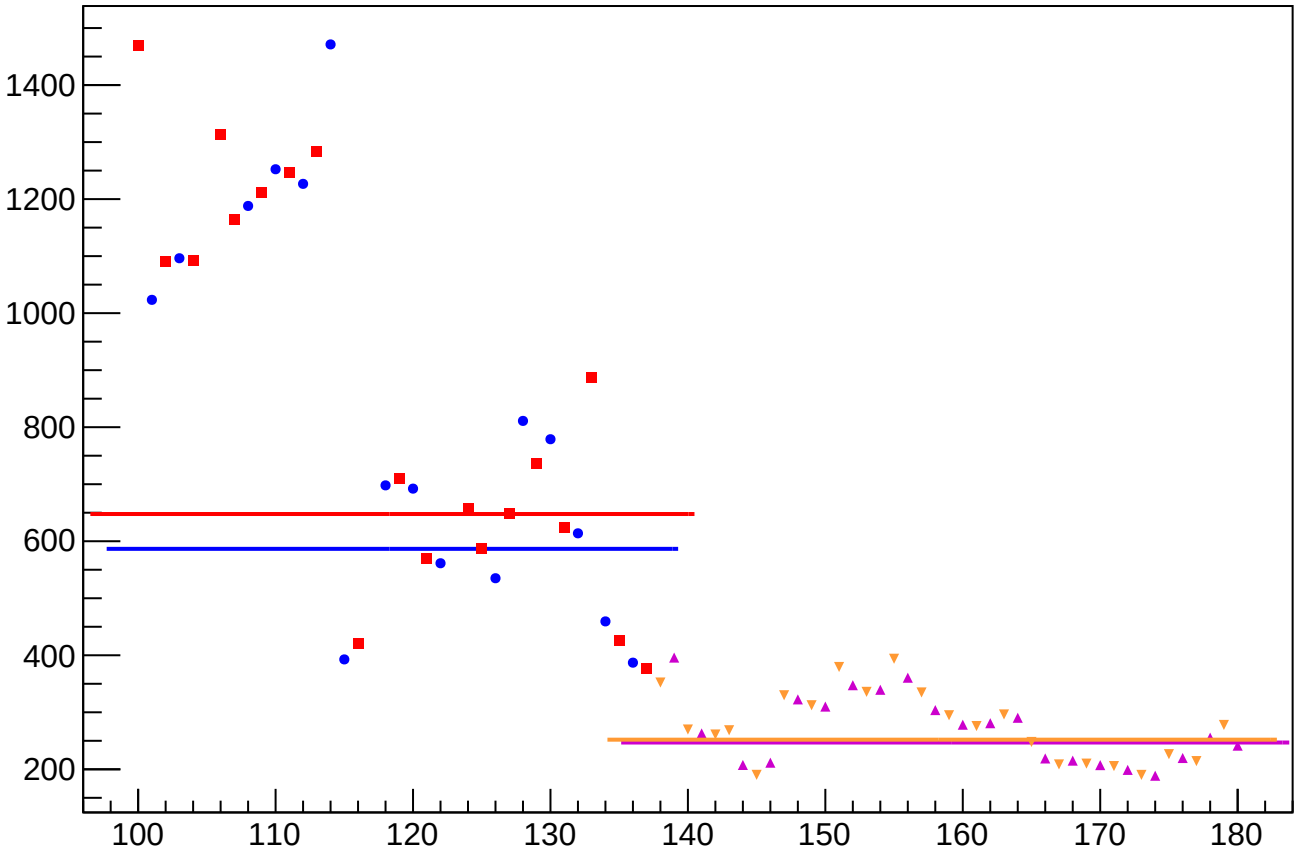
Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: -48.144+/-61.056 χ^2/NDF:24.1/20

+ sign -333.701+/-59.943 χ^2/NDF: 78.5/37

All: -198.569+/-42.191 χ^2/NDF: 126.0/77

- 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: 251.981+/-0.044 χ^2/NDF:1613444.3/21

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

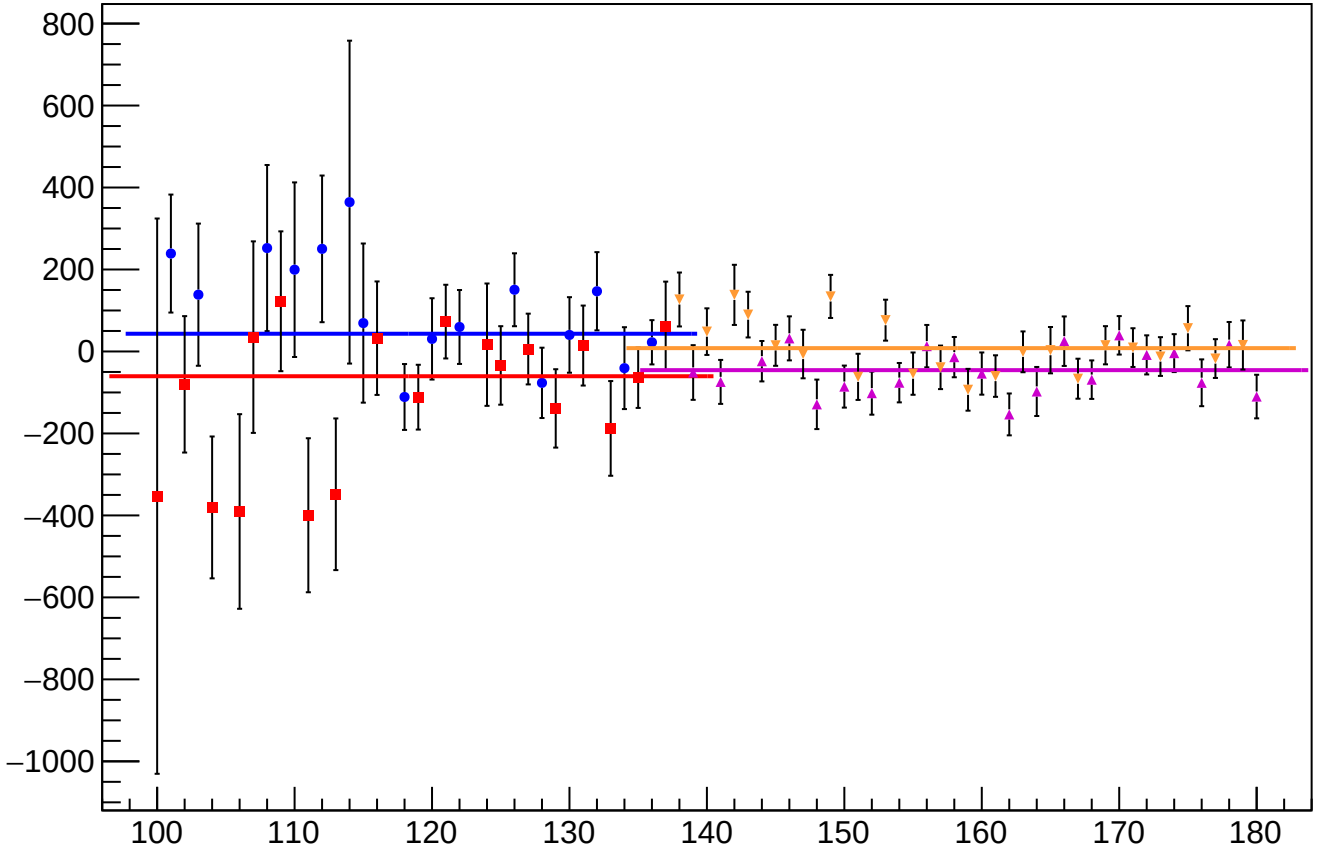
Left In: 246.986+/-0.043 χ^2/NDF:1483593.3/20

+ sign 273.399+/-0.042 χ^2/NDF: 7401068.0/37

All: 270.922+/-0.030 χ^2/NDF: 15620485.5/77

- 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: 8.117+/-11.267 χ^2/NDF:30.0/21

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

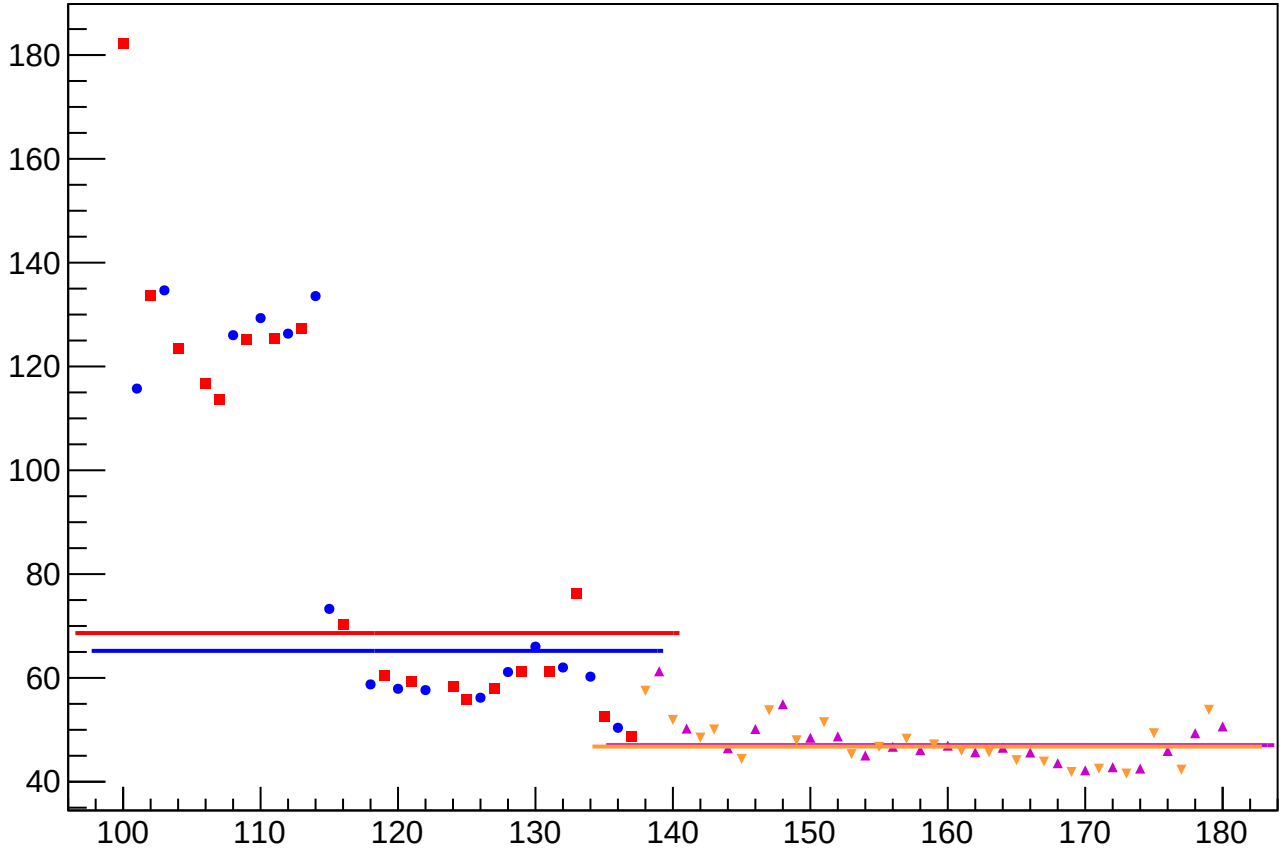
Left In: -45.576+/-11.409 χ^2/NDF:22.9/20

+ sign 13.750+/-10.324 χ^2/NDF: 46.5/37

All: -16.517+/-7.363 χ^2/NDF: 107.5/77

- 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: 46.774+/-0.008 χ^2/NDF:254376.5/21

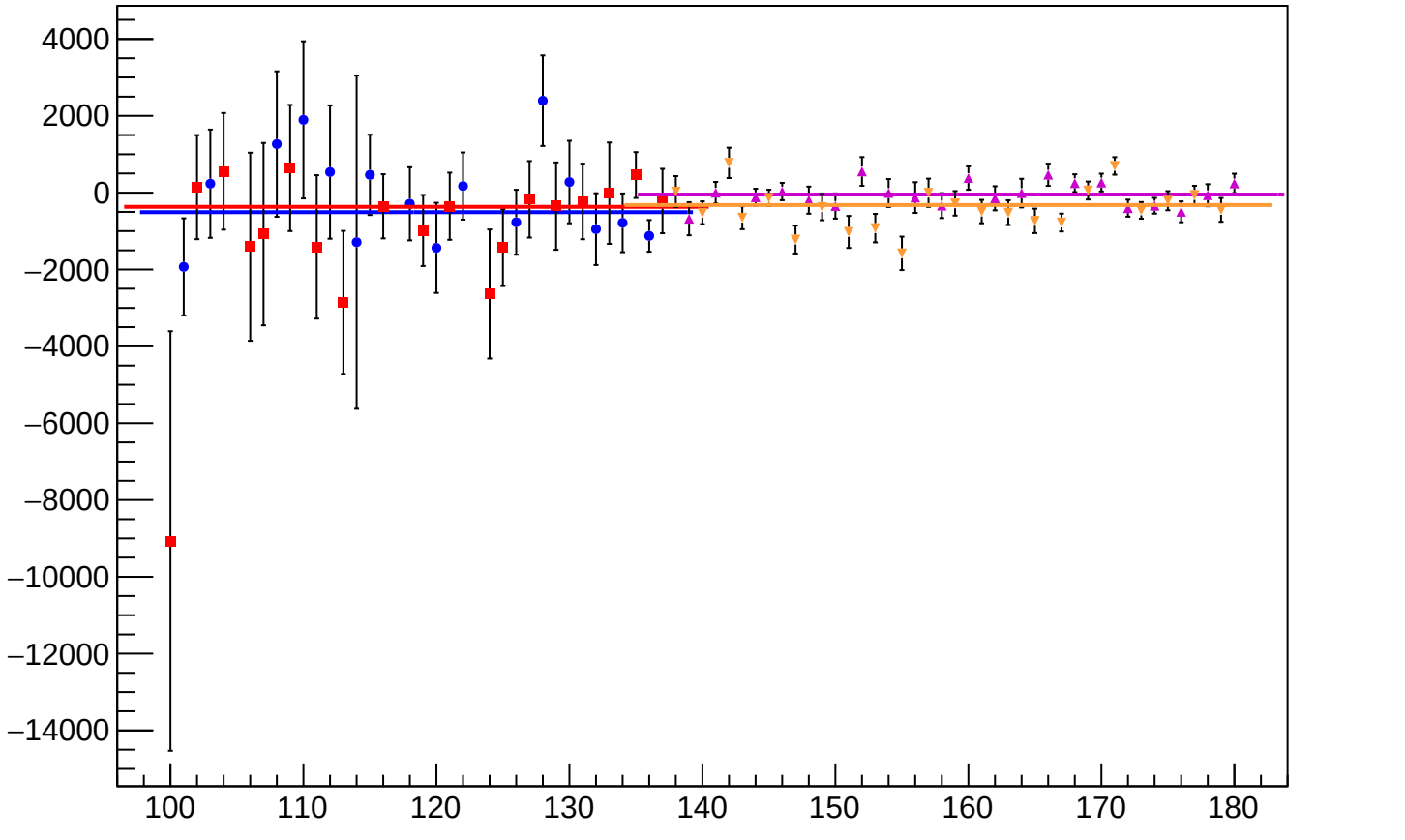
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.039+/-0.008 χ^2/NDF:230544.8/20

+ sign 49.731+/-0.007 χ^2/NDF: 2559856.0/37

All: 50.027+/-0.005 χ^2/NDF: 5524842.7/77

- 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: -321.784+/-61.958 χ^2/NDF:62.3/21

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

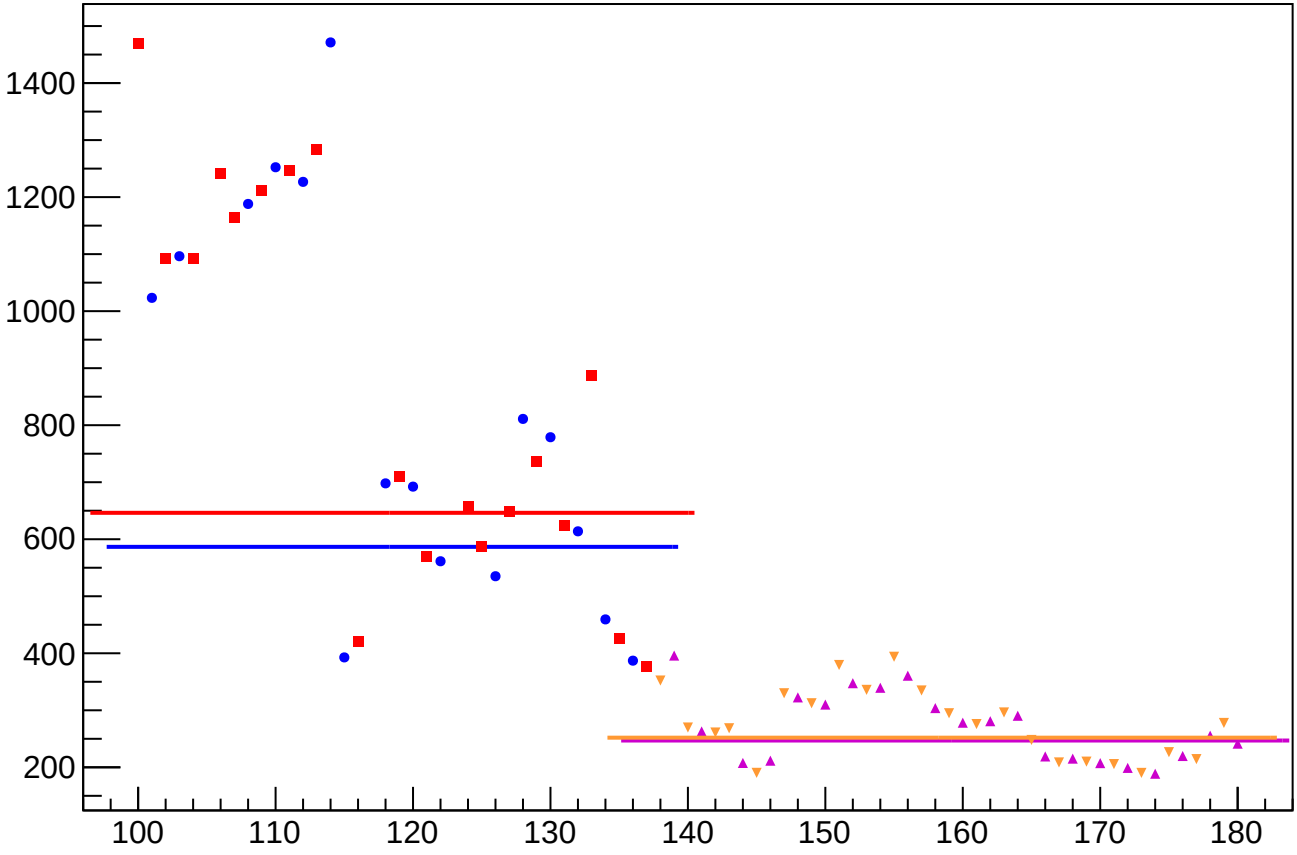
Left In: -48.141+/-61.056 χ^2/NDF:24.1/20

+ sign -333.696+/-59.942 χ^2/NDF: 78.5/37

All: -198.275+/-42.192 χ^2/NDF: 125.5/77

- 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: 251.980+/-0.044 χ^2/NDF:1613456.1/21

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

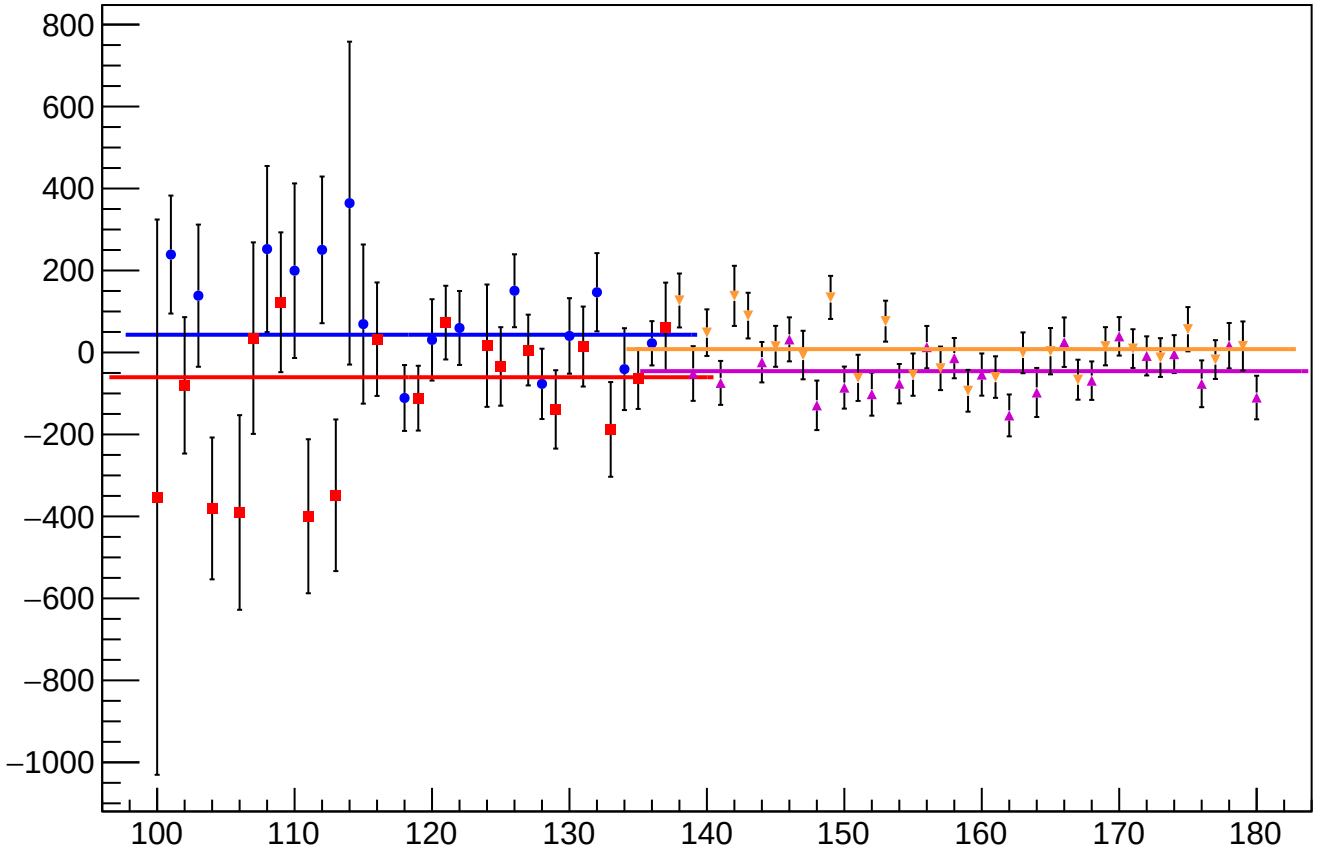
Left In: 246.987+/-0.043 χ^2/NDF:1483588.0/20

+ sign 273.399+/-0.042 χ^2/NDF: 7401106.7/37

All: 270.874+/-0.030 χ^2/NDF: 15541596.9/77

- 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: 8.117+/-11.267 χ^2/NDF:30.0/21

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

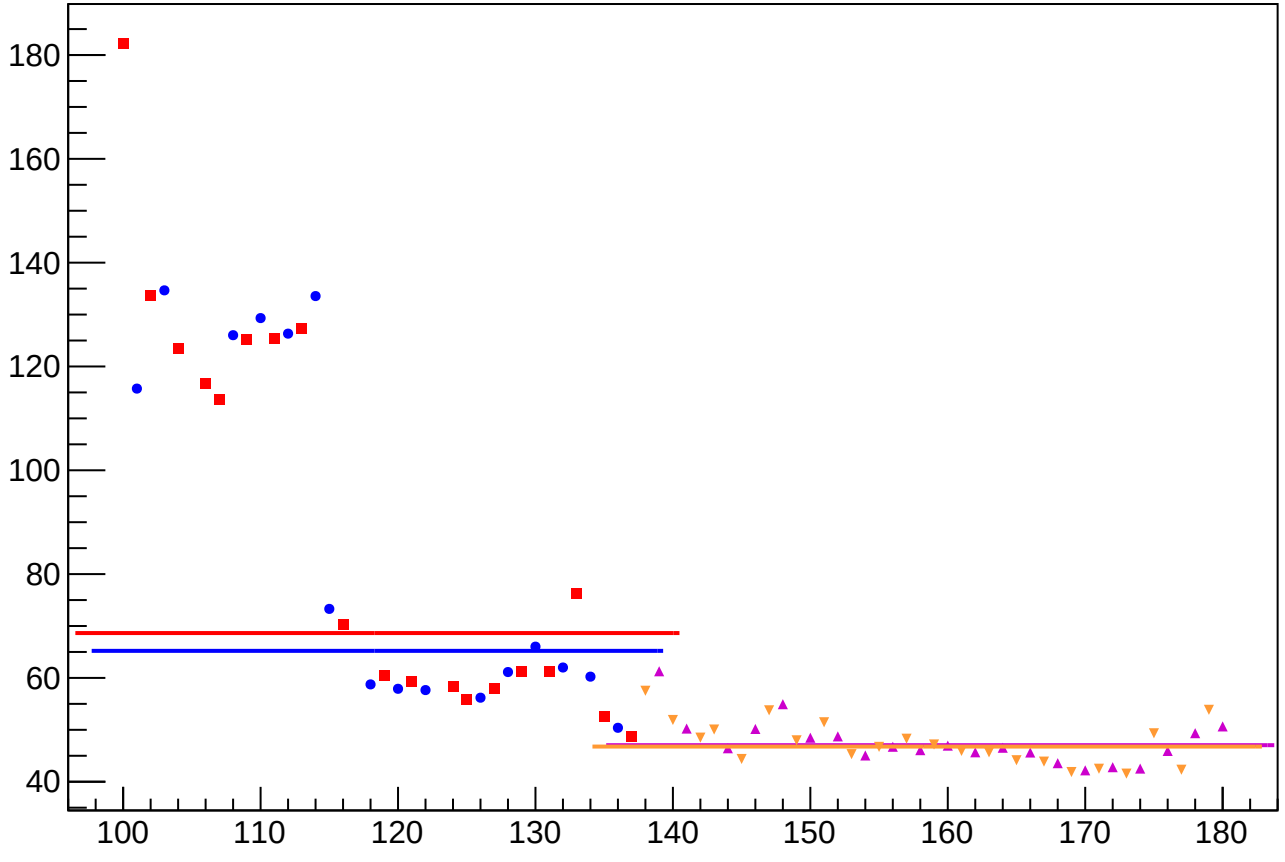
Left In: -45.576+/-11.409 χ^2/NDF:22.9/20

+ sign 13.750+/-10.324 χ^2/NDF: 46.5/37

All: -16.517+/-7.363 χ^2/NDF: 107.5/77

- 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: 46.774+/-0.008 χ^2/NDF:254376.5/21

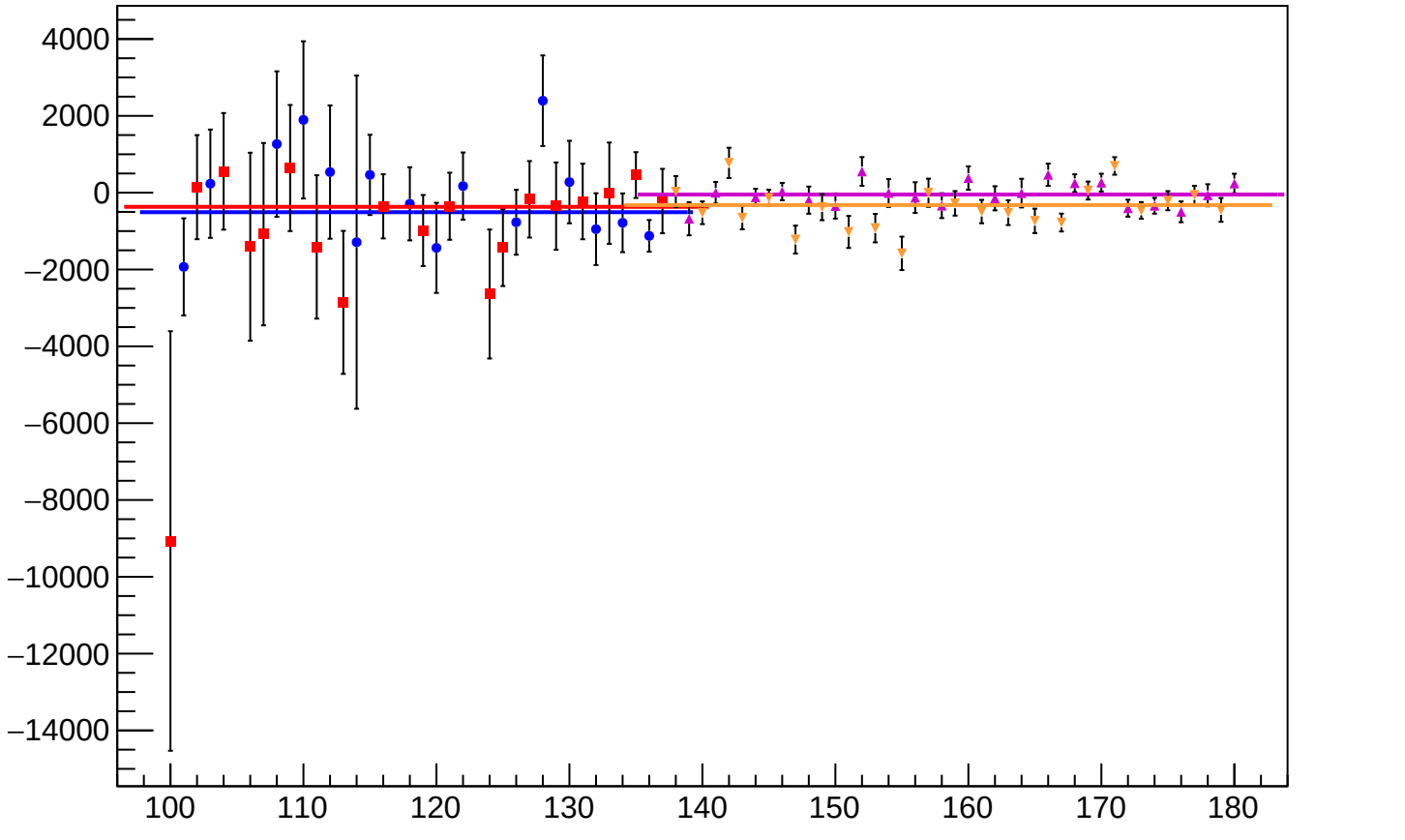
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.039+/-0.008 χ^2/NDF:230544.8/20

+ sign 49.731+/-0.007 χ^2/NDF: 2559856.0/37

All: 50.027+/-0.005 χ^2/NDF: 5524842.7/77

- 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: -321.784+/-61.958 χ^2/NDF:62.3/21

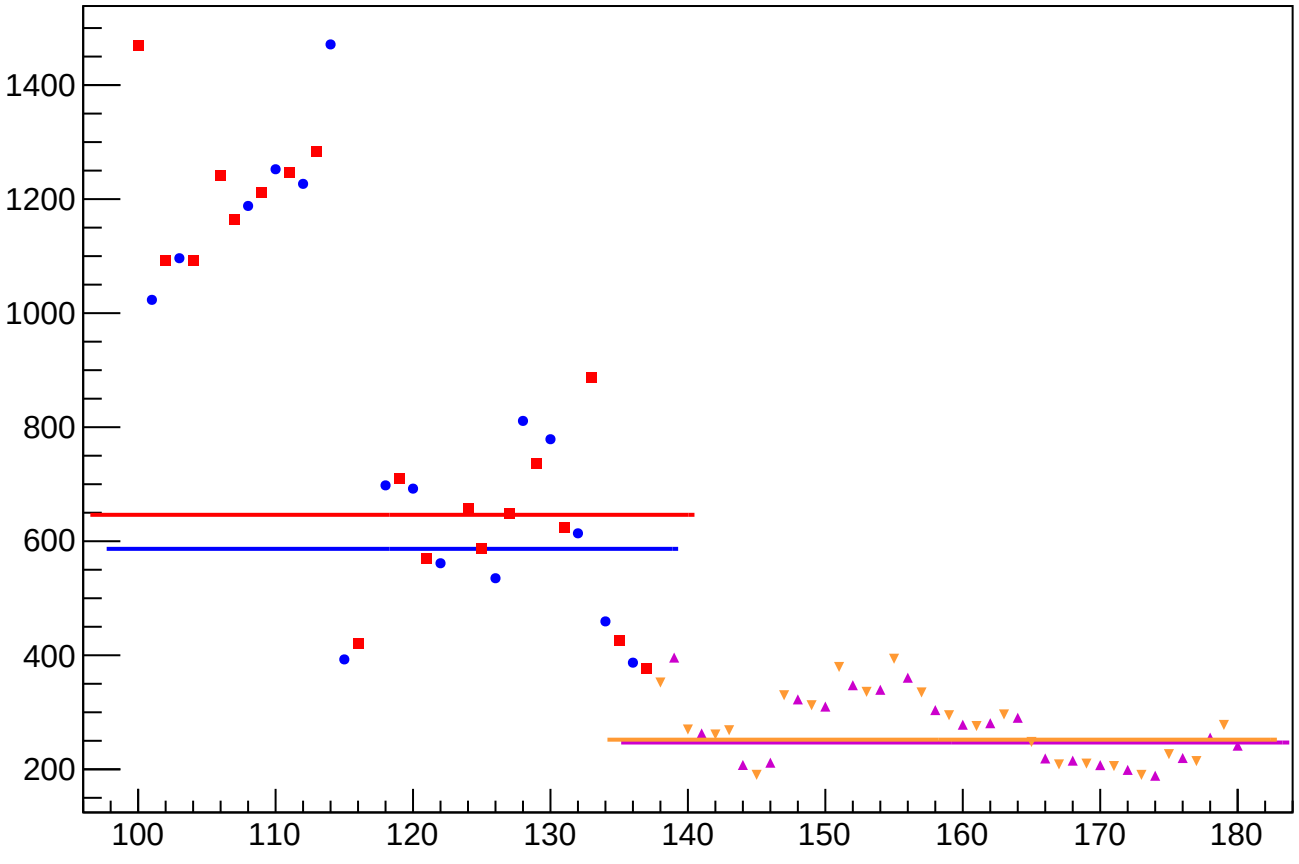
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -48.141+/-61.056 χ^2/NDF:24.1/20

+ sign -333.696+/-59.942 χ^2/NDF: 78.5/37

All: -198.275+/-42.192 χ^2/NDF: 125.5/77

- 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: 251.980+/-0.044 χ^2/NDF:1613456.1/21

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

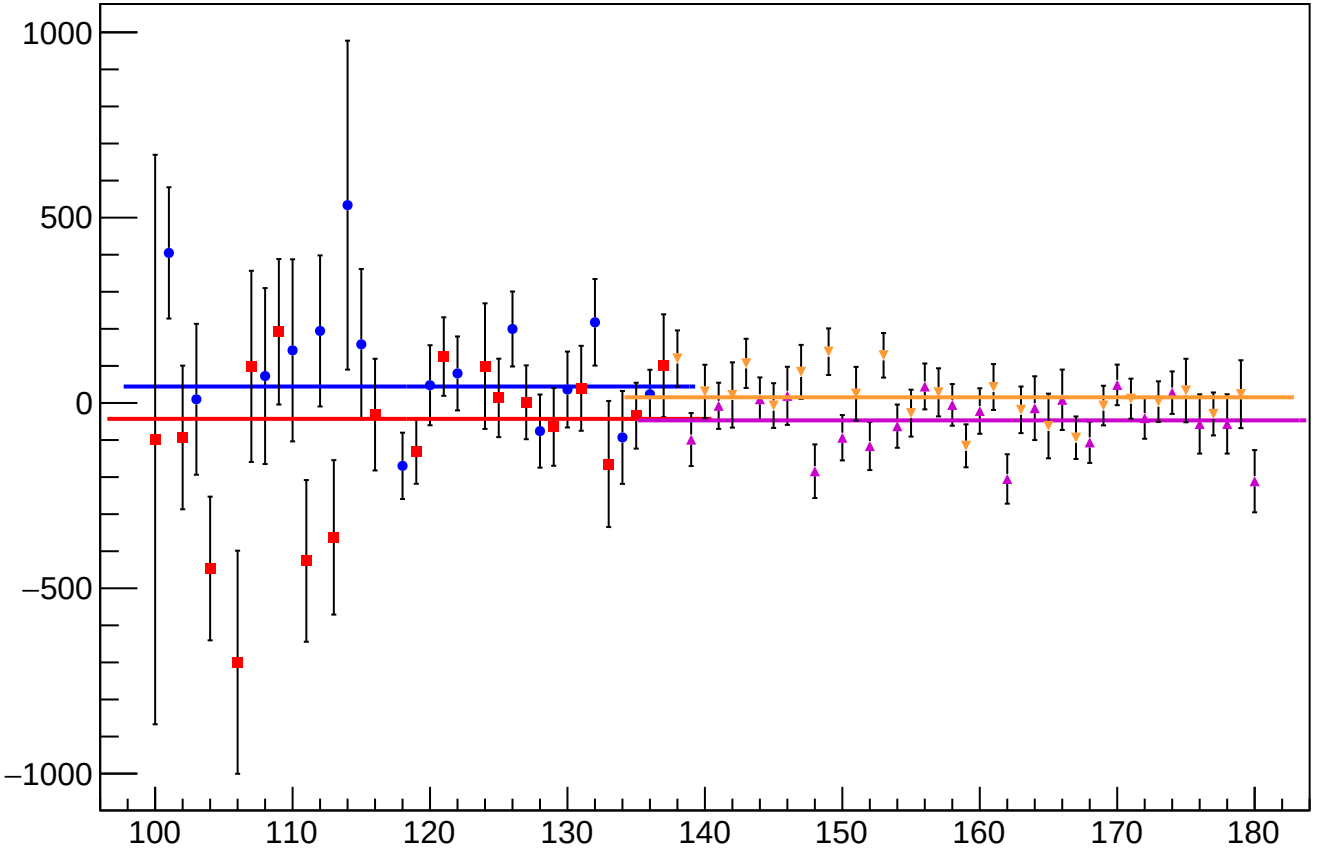
Left In: 246.987+/-0.043 χ^2/NDF:1483588.0/20

+ sign 273.399+/-0.042 χ^2/NDF: 7401106.7/37

All: 270.874+/-0.030 χ^2/NDF: 15541596.9/77

- 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: 15.335+/-13.841 χ^2/NDF:23.7/21

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

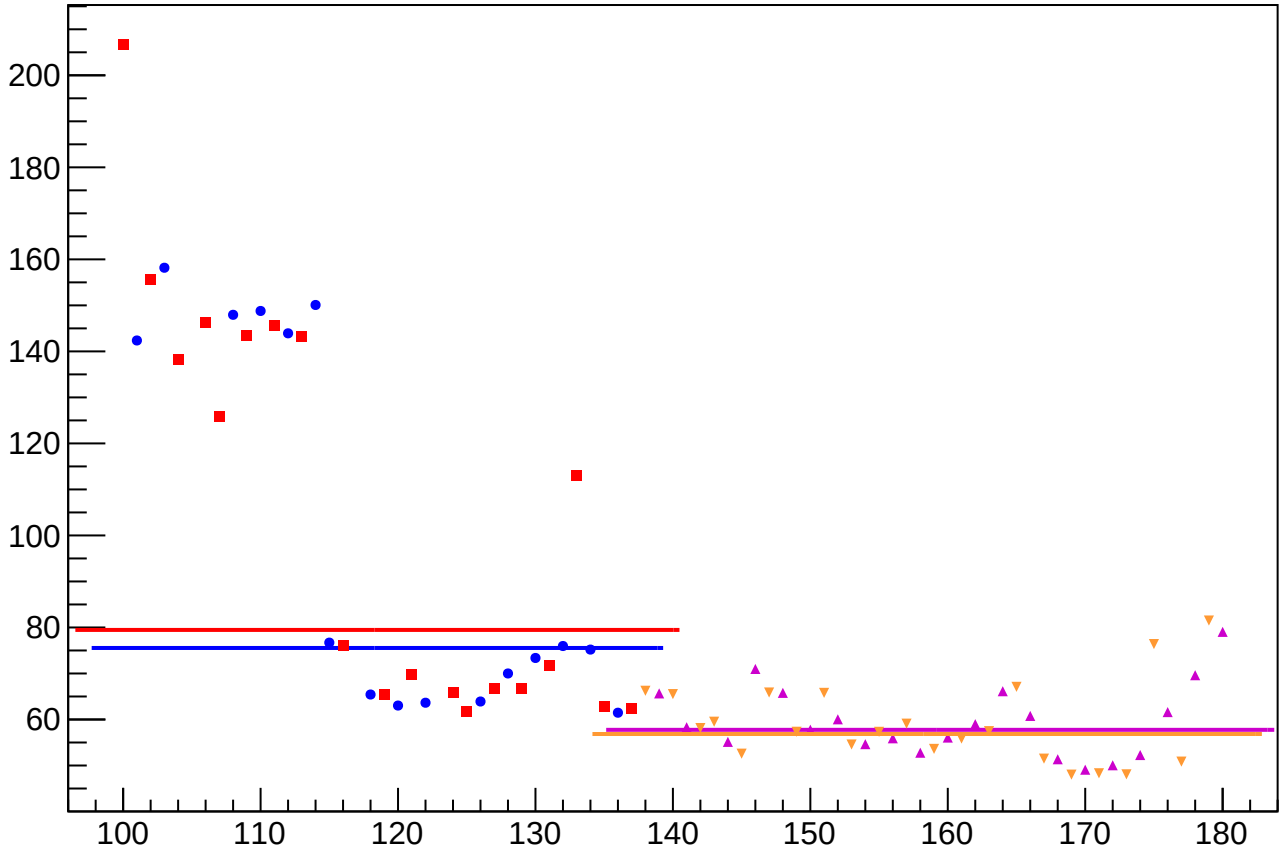
Left In: -46.985+/-14.159 χ^2/NDF:26.9/20

+ sign 20.459+/-12.561 χ^2/NDF: 44.1/37

All: -12.034+/-8.998 χ^2/NDF: 108.0/77

- 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: 56.846+/-0.010 χ^2/NDF:618311.6/21

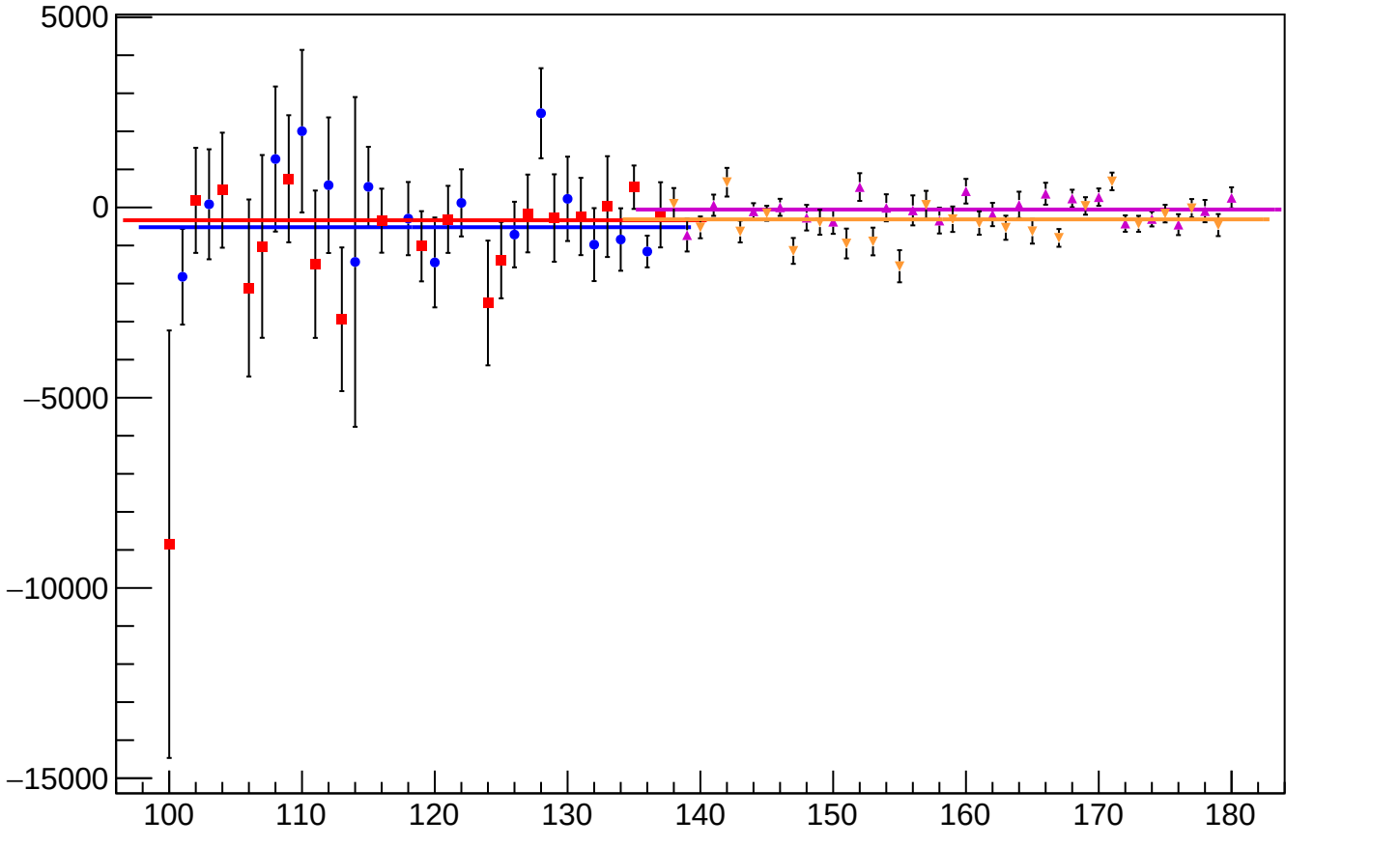
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 57.754+/-0.010 χ^2/NDF:470072.2/20

+ sign 60.144+/-0.009 χ^2/NDF: 2727688.8/37

All: 60.781+/-0.006 χ^2/NDF: 5692983.9/77

- 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: -313.203+/-60.490 χ^2/NDF:60.2/21

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

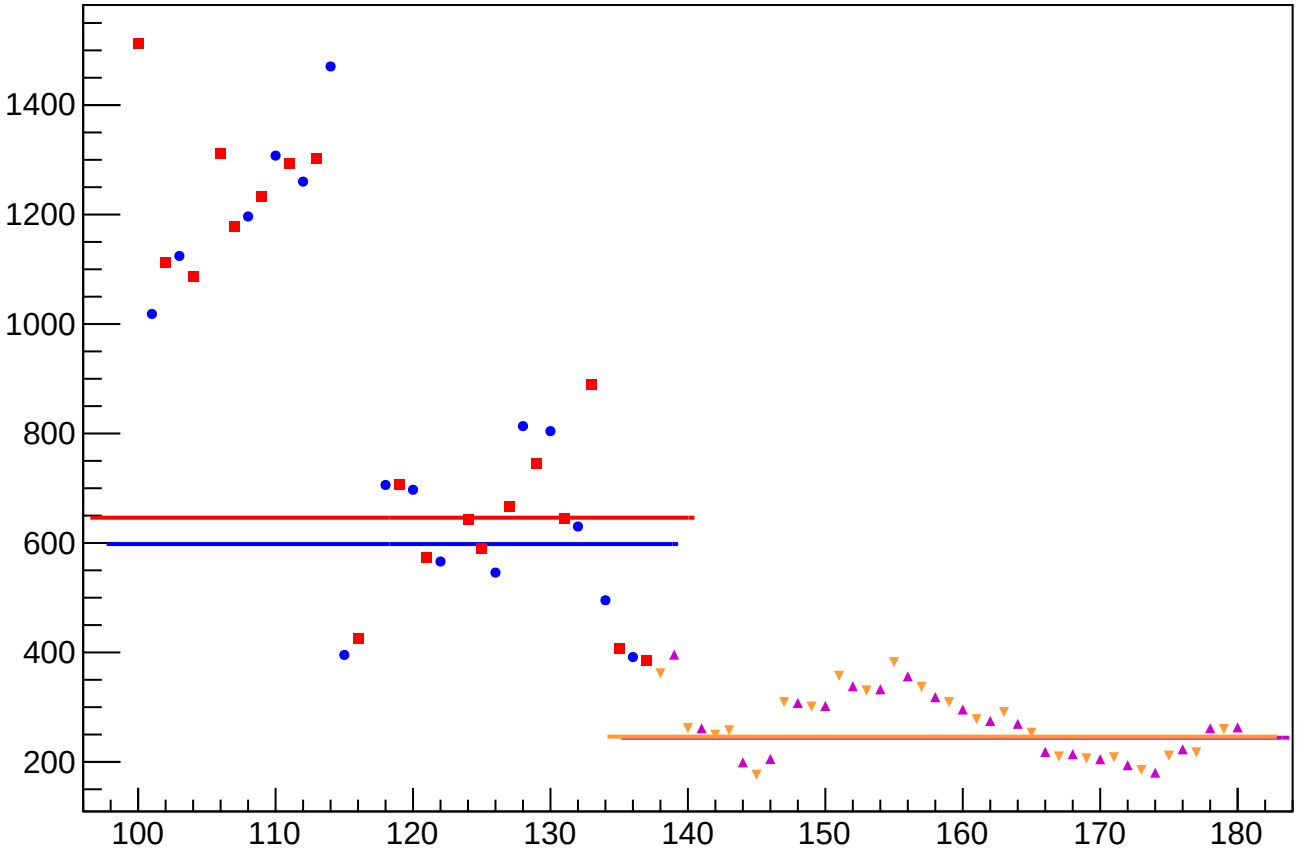
Left In: -54.849+/-60.477 χ^2/NDF:23.6/20

+ sign -325.384+/-58.674 χ^2/NDF: 76.6/37

All: -197.947+/-41.556 χ^2/NDF: 122.8/77

- 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: 246.198+/-0.043 χ^2/NDF:1678433.5/21

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

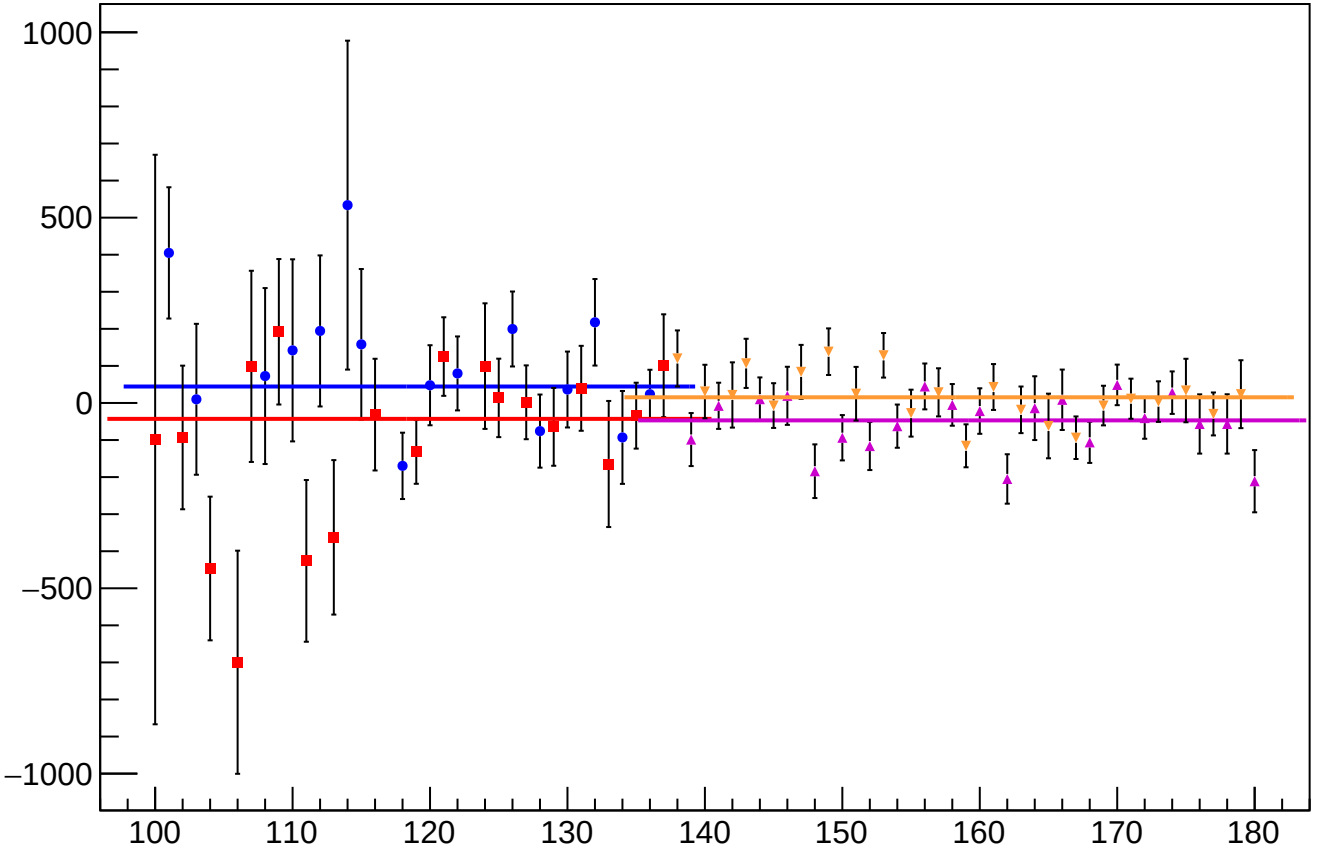
Left In: 244.209+/-0.043 χ^2/NDF:1596275.3/20

+ sign 266.999+/-0.041 χ^2/NDF: 7726586.4/37

All: 266.182+/-0.029 χ^2/NDF: 16178433.8/77

- 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: 15.334+/-13.841 χ^2/NDF:23.7/21

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

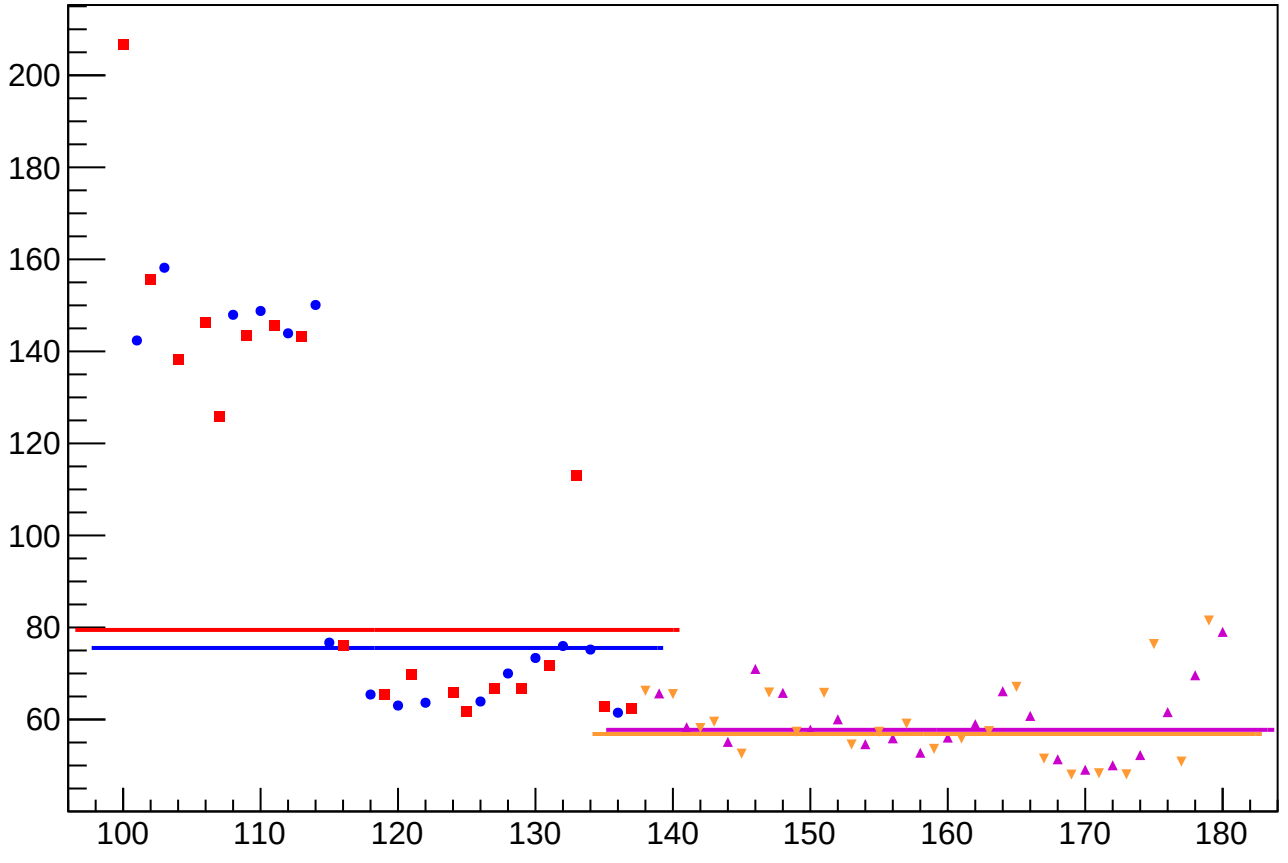
Left In: -46.984+/-14.159 χ^2/NDF:26.9/20

+ sign 20.459+/-12.561 χ^2/NDF: 44.1/37

All: -12.034+/-8.998 χ^2/NDF: 108.0/77

- 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: 56.846+/-0.010 χ^2/NDF:618320.1/21

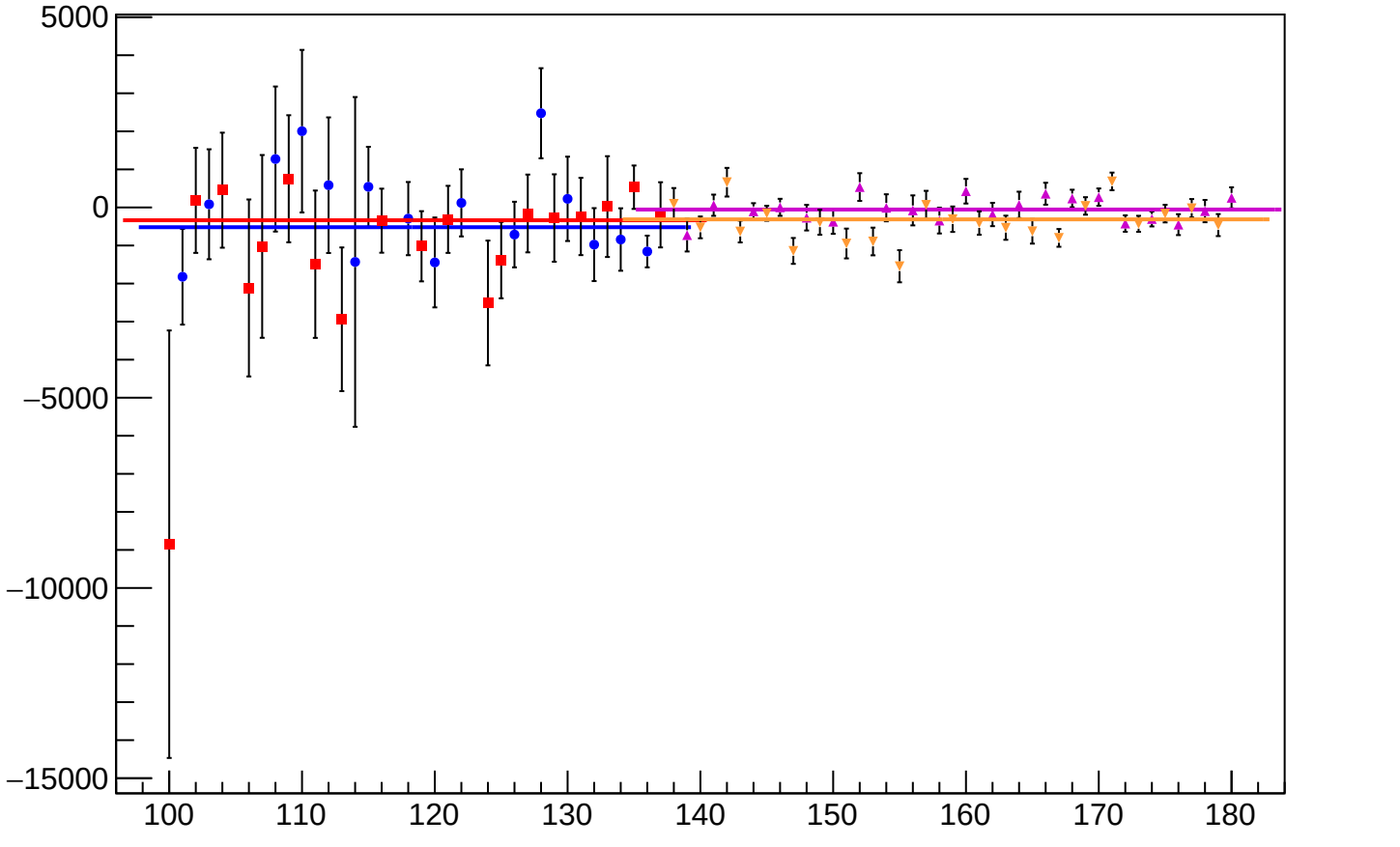
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 57.754+/-0.010 χ^2/NDF:470065.1/20

+ sign 60.144+/-0.009 χ^2/NDF: 2727659.1/37

All: 60.781+/-0.006 χ^2/NDF: 5692912.0/77

- 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: -313.202+/-60.489 χ^2/NDF:60.2/21

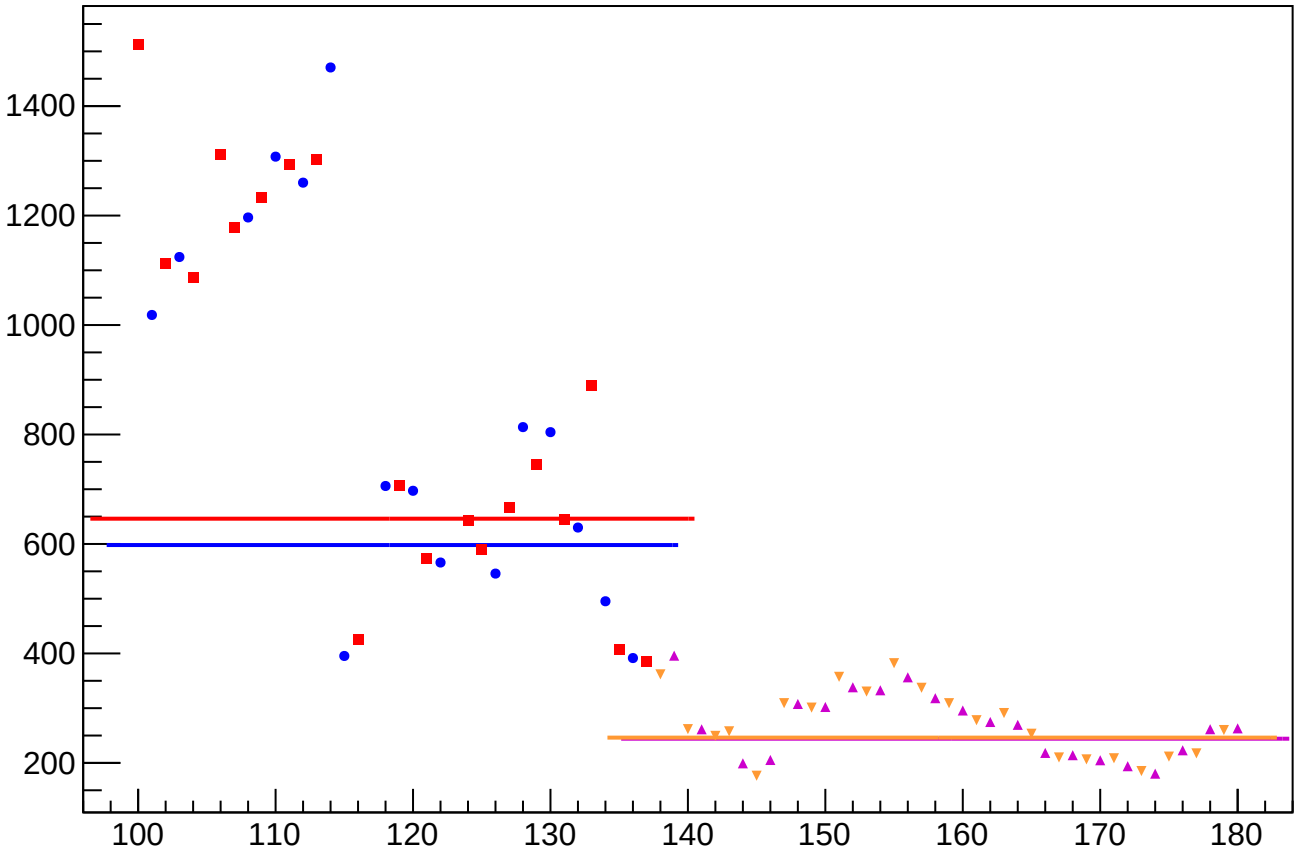
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -54.848+/-60.477 χ^2/NDF:23.6/20

+ sign -325.383+/-58.674 χ^2/NDF: 76.6/37

All: -197.946+/-41.556 χ^2/NDF: 122.8/77

- 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: 246.198+/-0.043 χ^2/NDF:1678433.9/21

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

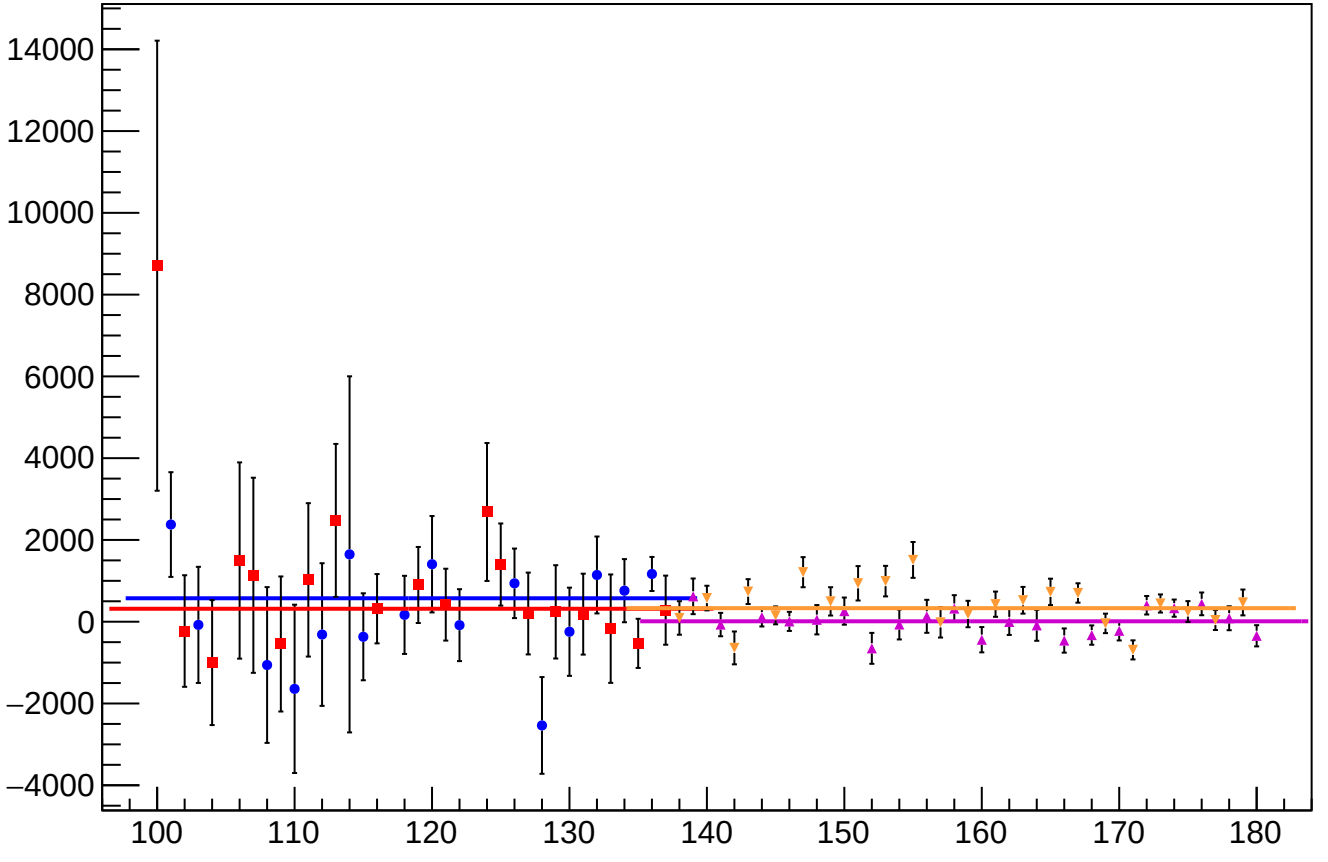
Left In: 244.209+/-0.043 χ^2/NDF:1596265.1/20

+ sign 266.998+/-0.041 χ^2/NDF: 7726579.2/37

All: 266.182+/-0.029 χ^2/NDF: 16178408.5/77

- 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: 330.770+/-63.106 χ^2/NDF:56.7/21

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

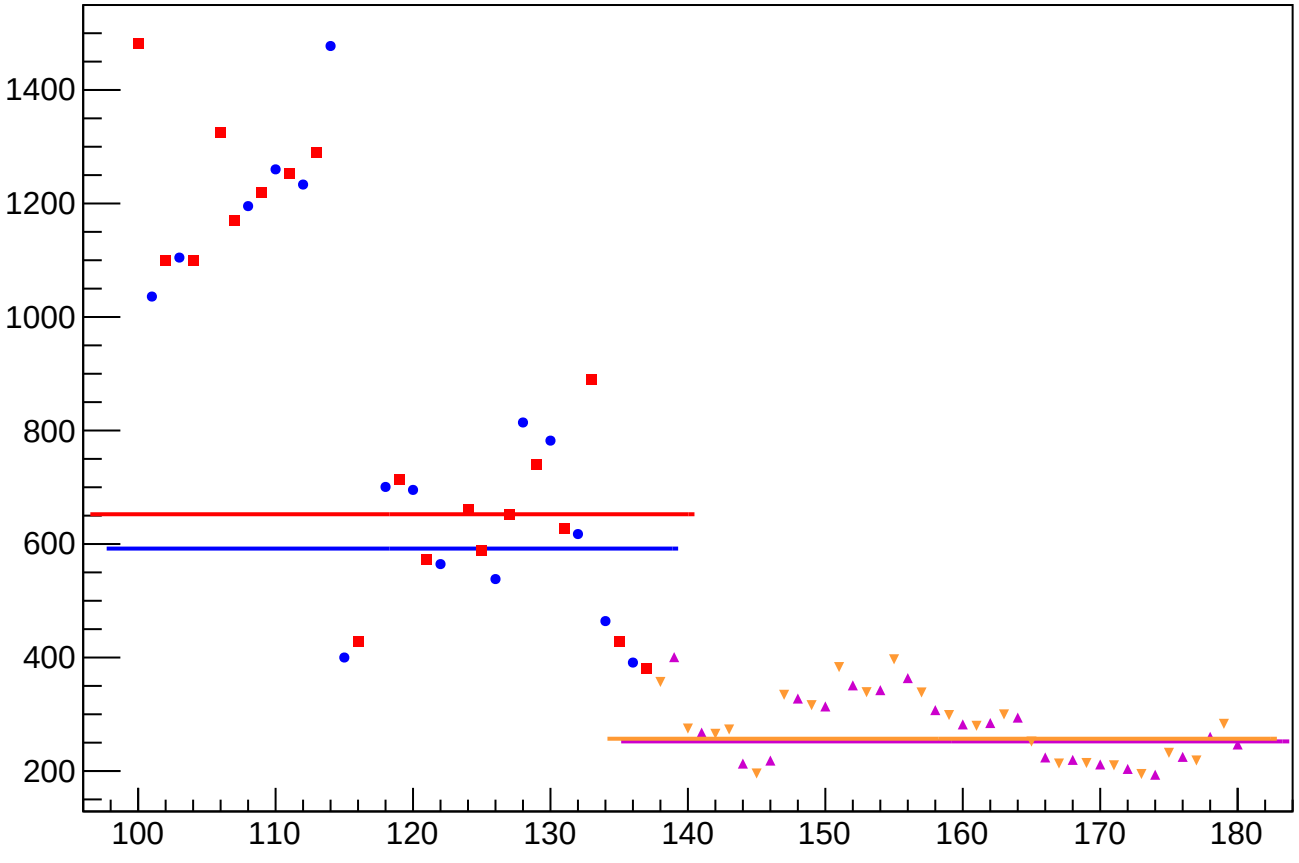
Left In: 10.397+/-62.276 χ^2/NDF:24.3/20

+ sign 346.591+/-61.013 χ^2/NDF: 74.2/37

All: 185.672+/-42.975 χ^2/NDF: 124.7/77

- 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: 256.937+/-0.045 χ^2/NDF:1543988.4/21

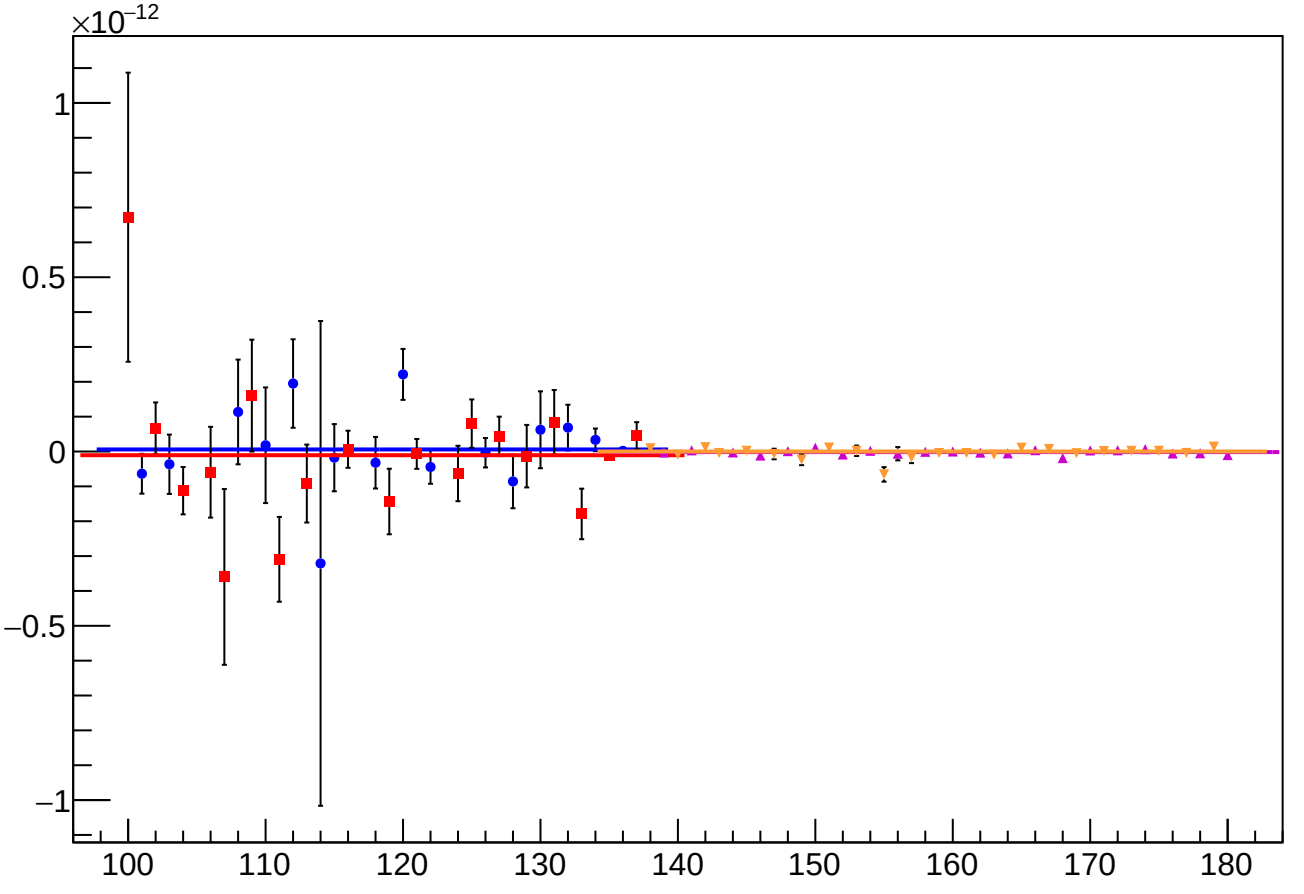
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.219+/-0.044 χ^2/NDF:1411229.5/20

+ sign 278.786+/-0.043 χ^2/NDF: 7256052.4/37

All: 276.483+/-0.030 χ^2/NDF: 15303166.3/77

- 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:24.3/21

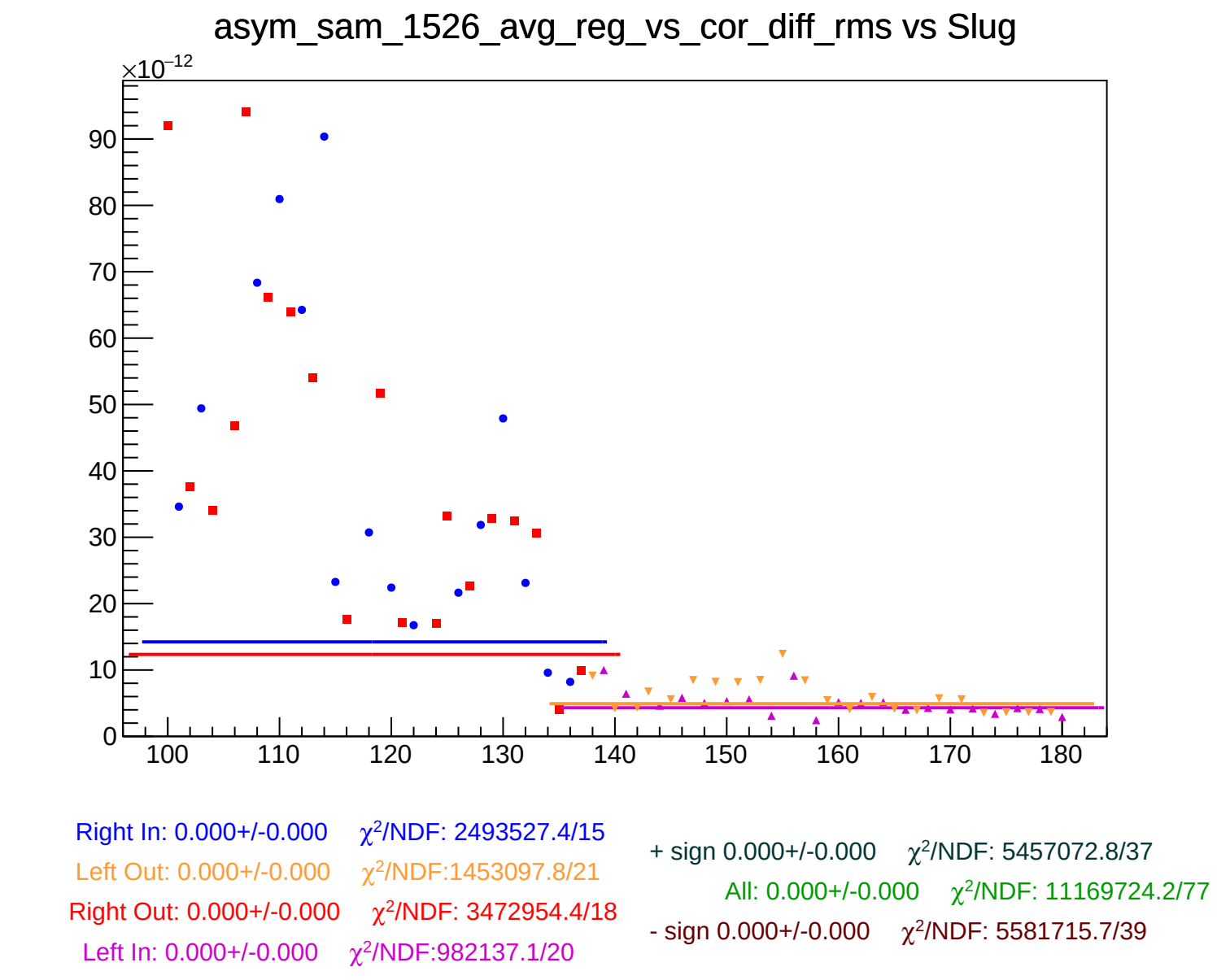
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

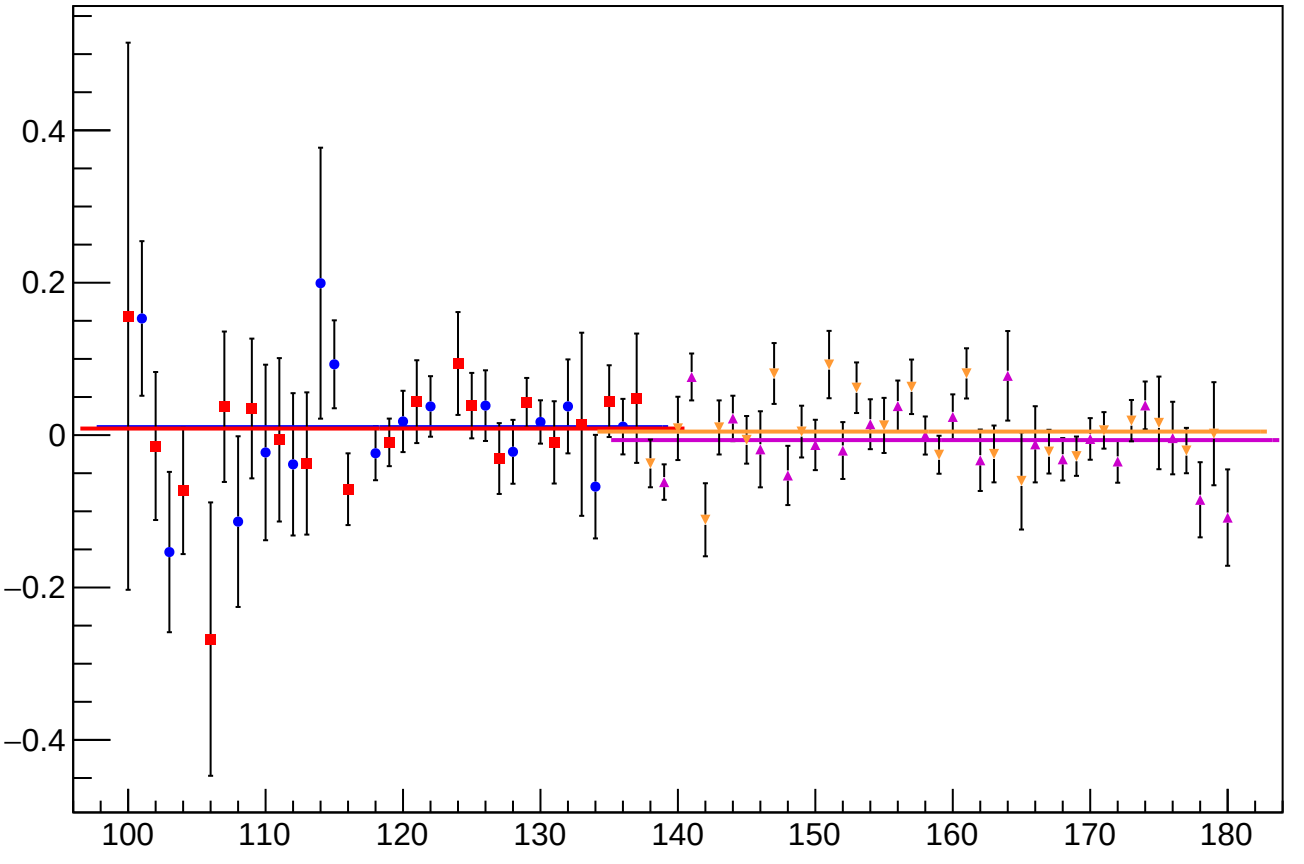
Left In: -0.000+/-0.000 χ^2/NDF:13.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 42.8/37

All: -0.000+/-0.000 χ^2/NDF: 87.3/77

- 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:1453097.8/21
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: 5457072.8/37
All: 0.000+/-0.000 χ²/NDF: 11169724.2/77
- 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:33.1/21

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

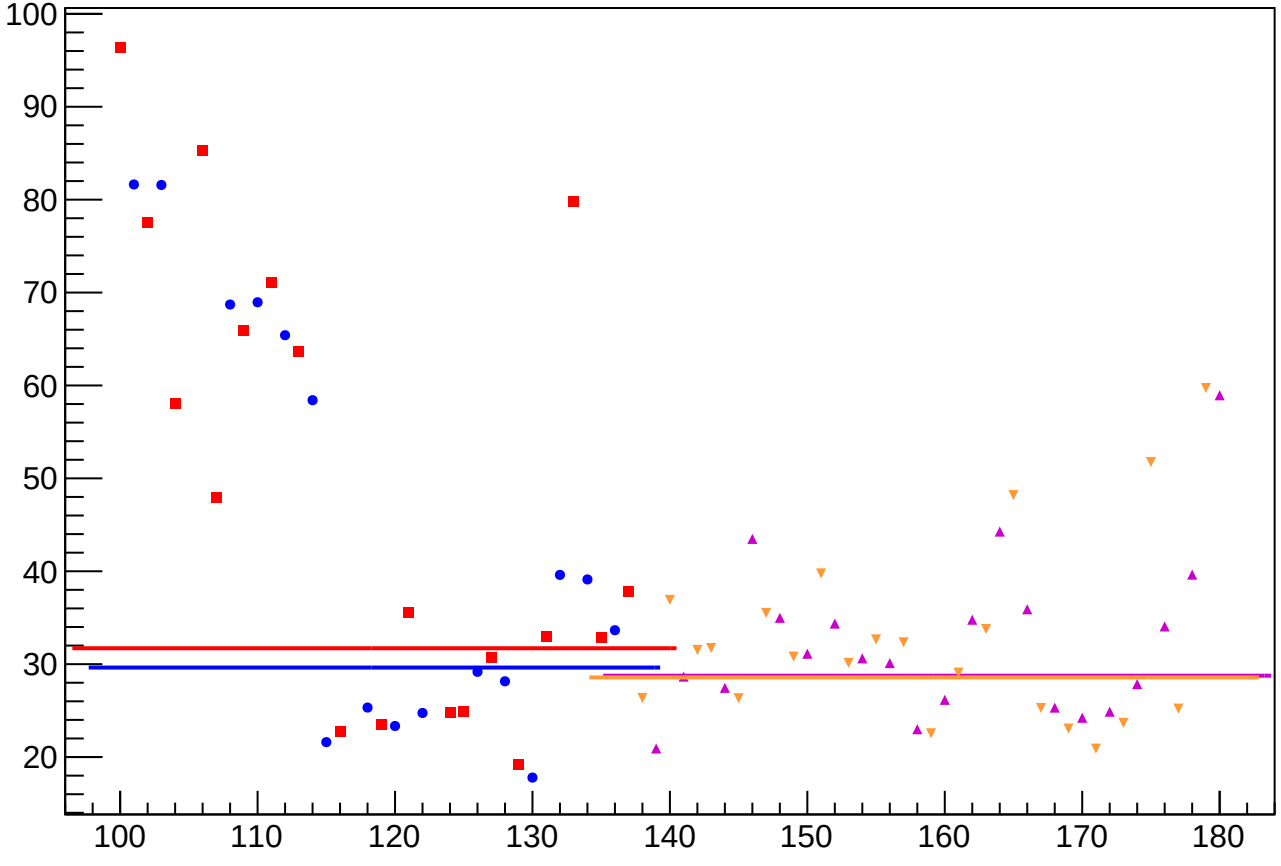
Left In: -0.007+/-0.007 χ^2/NDF:30.3/20

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/37

All: 0.002+/-0.004 χ^2/NDF: 91.1/77

- 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: 28.569+/-0.005 χ^2/NDF:1847316.1/21

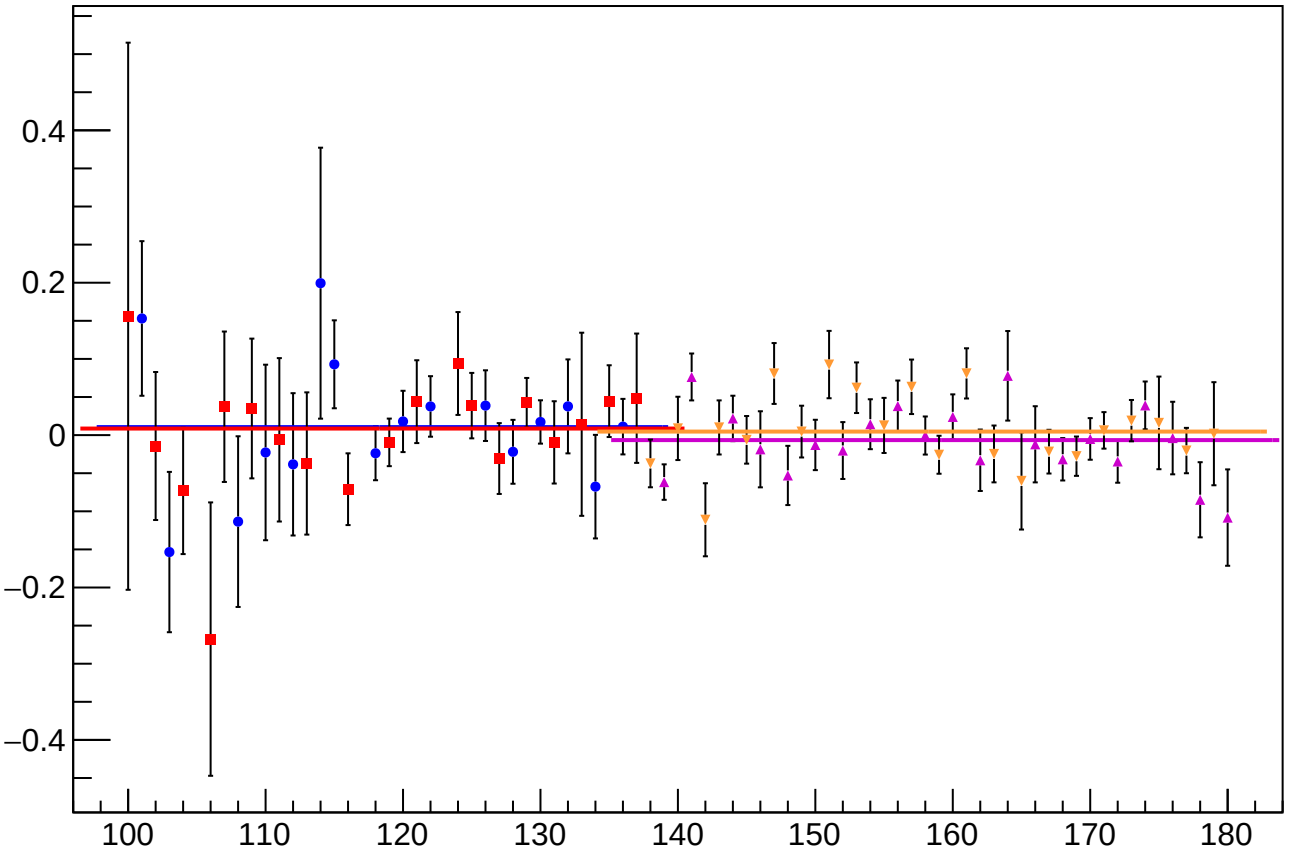
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.759+/-0.005 χ^2/NDF:1571072.2/20

+ sign 28.833+/-0.004 χ^2/NDF: 4306611.7/37

All: 29.134+/-0.003 χ^2/NDF: 8614856.2/77

- 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:33.1/21

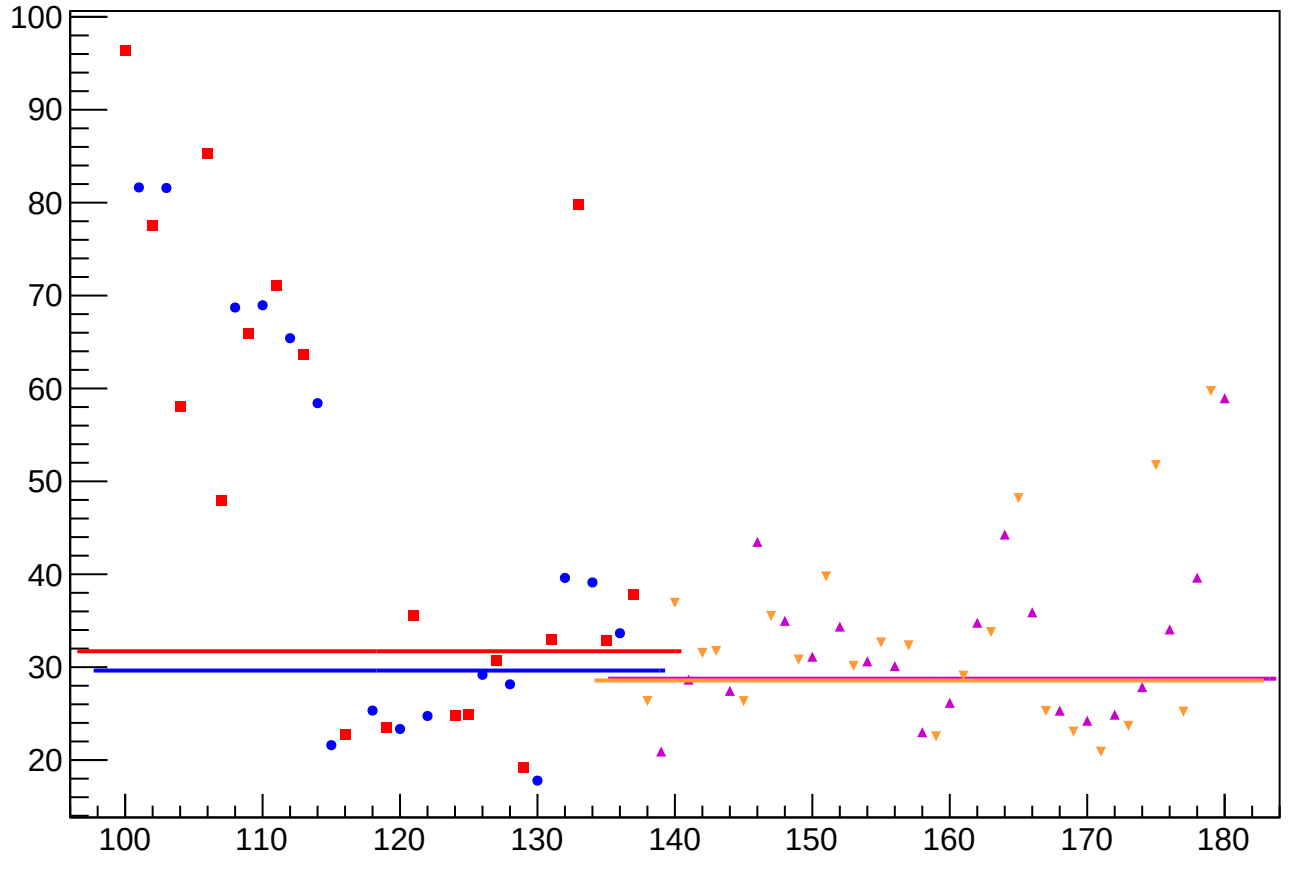
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.007+/-0.007 χ^2/NDF:30.3/20

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/37

All: 0.002+/-0.004 χ^2/NDF: 91.1/77

- 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: 28.569+/-0.005 χ^2/NDF:1847316.1/21

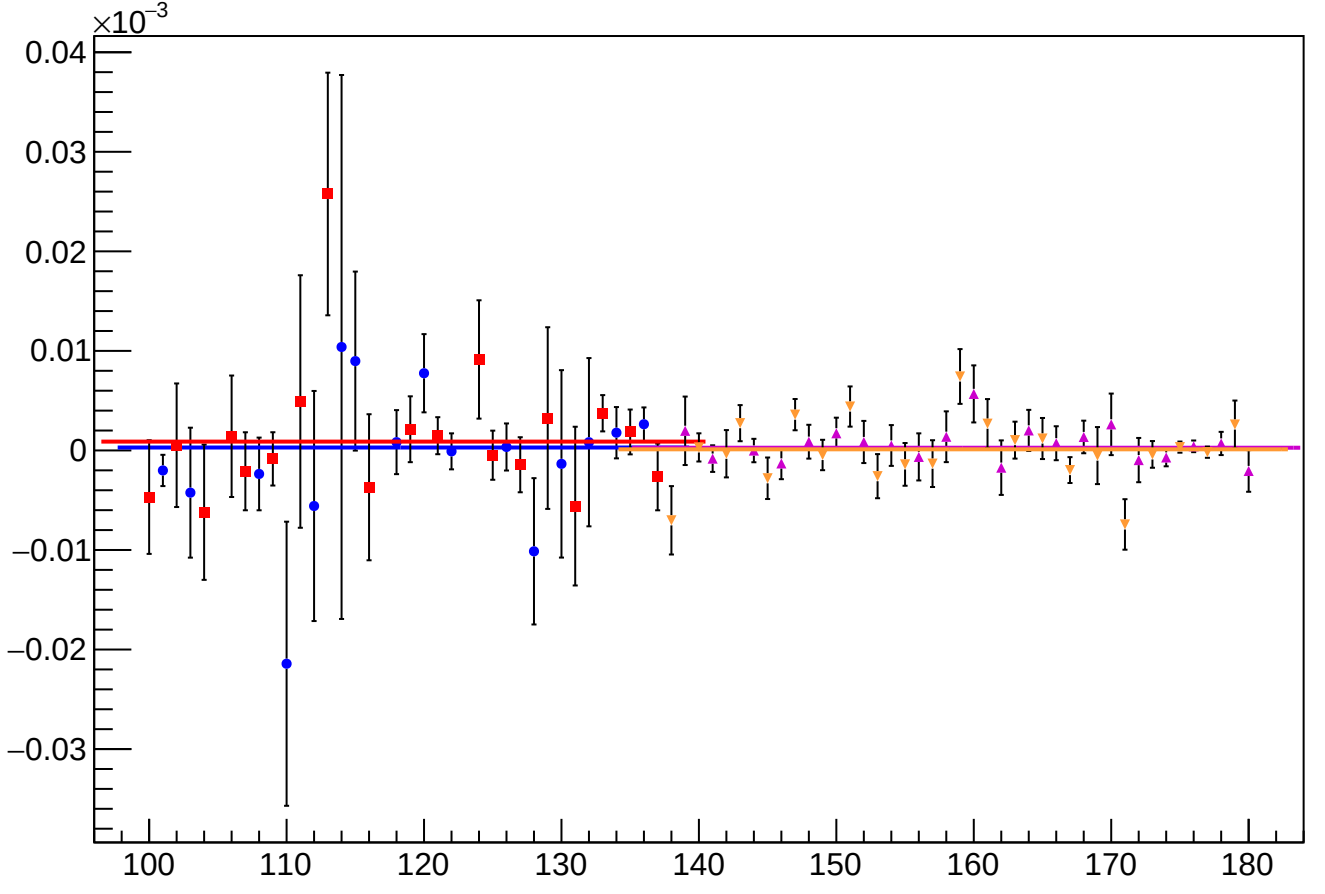
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.759+/-0.005 χ^2/NDF:1571072.2/20

\+ sign 28.833+/-0.004 χ^2/NDF: 4306611.7/37

All: 29.134+/-0.003 χ^2/NDF: 8614856.2/77

\- 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:42.1/21

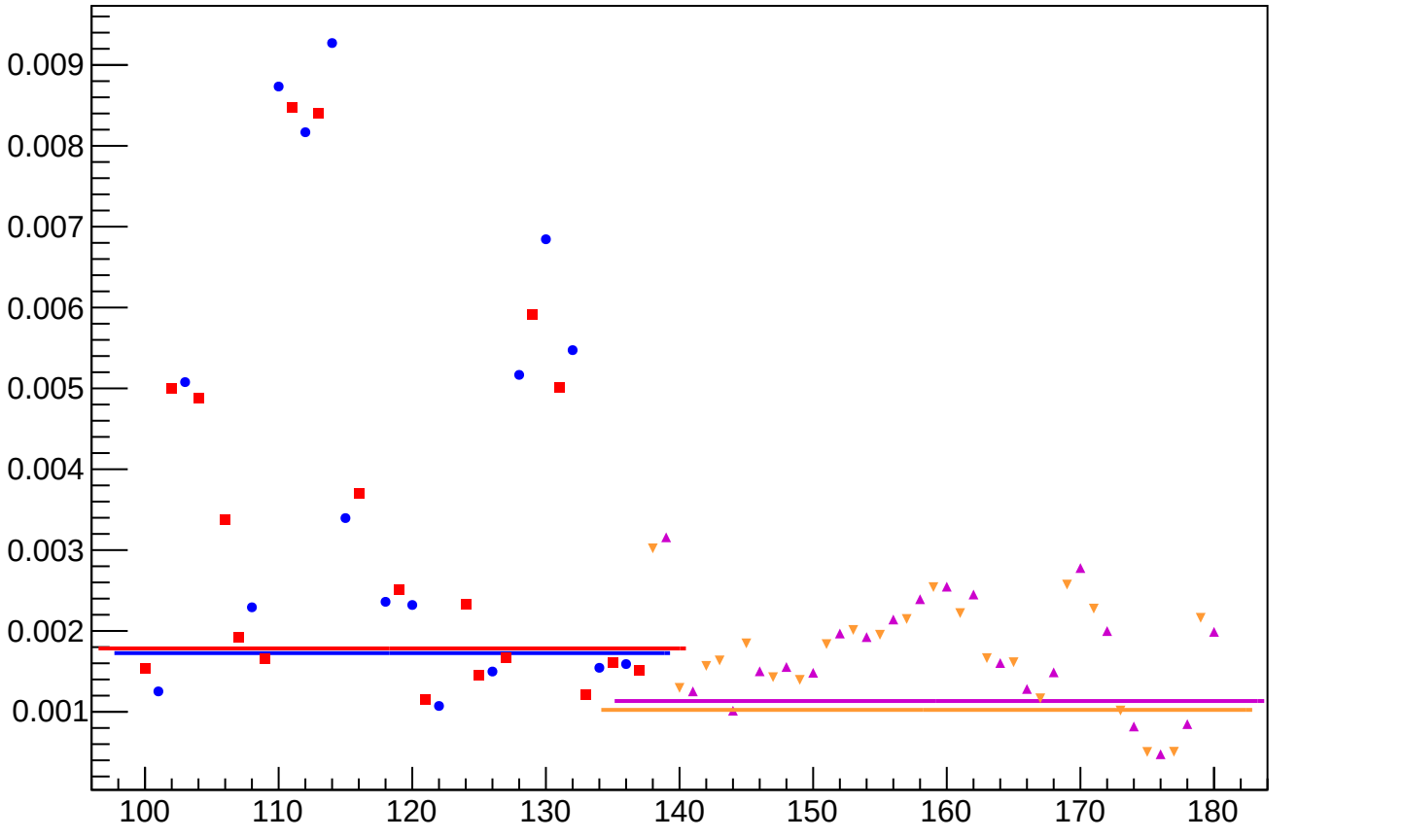
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.2/20

+ sign 0.000+/-0.000 χ^2/NDF: 57.0/37

All: 0.000+/-0.000 χ^2/NDF: 85.4/77

- sign 0.000+/-0.000 χ^2/NDF: 28.1/39



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9634967.1/21

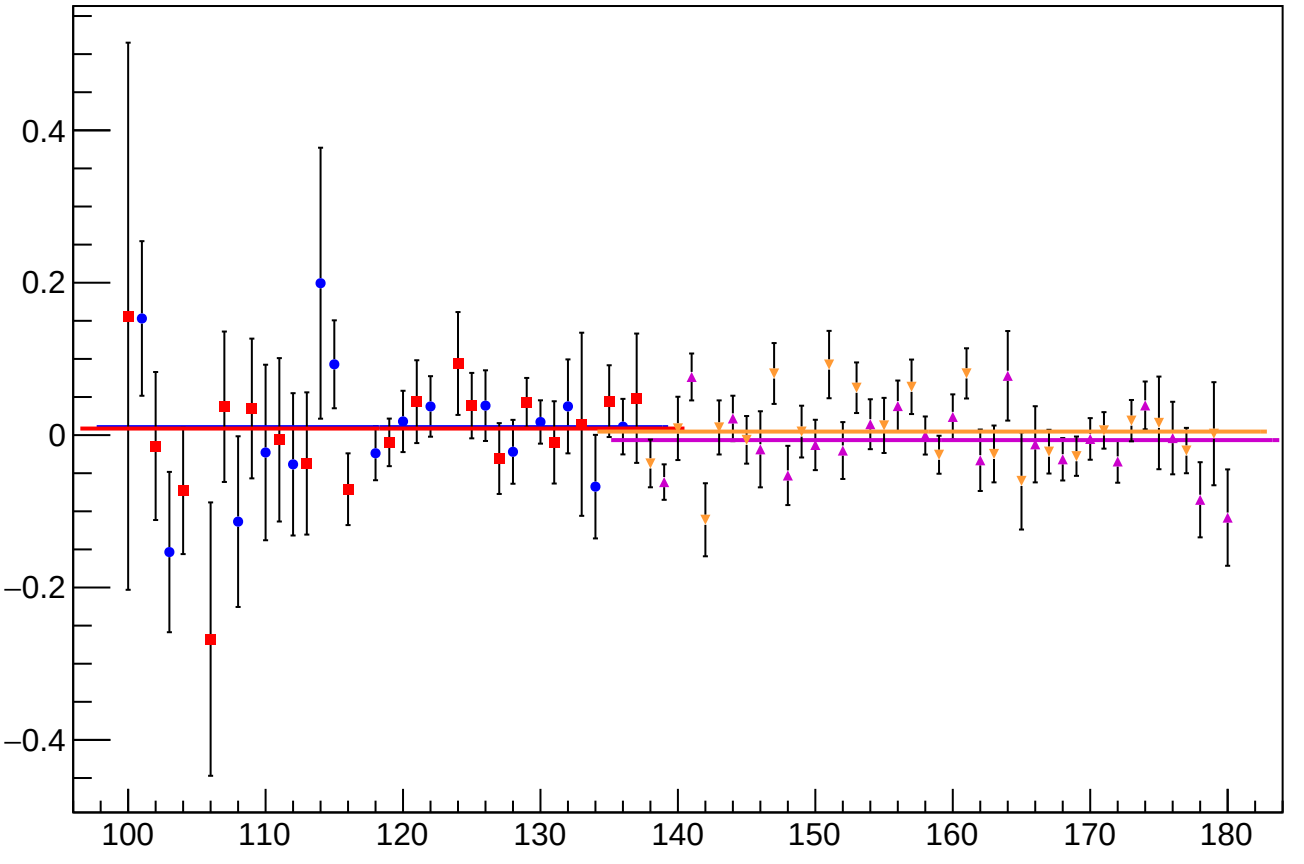
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:7773110.8/20

+ sign 0.001+/-0.000 χ^2/NDF: 15050478.0/37

All: 0.001+/-0.000 χ^2/NDF: 27905204.5/77

- sign 0.001+/-0.000 χ^2/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:33.1/21

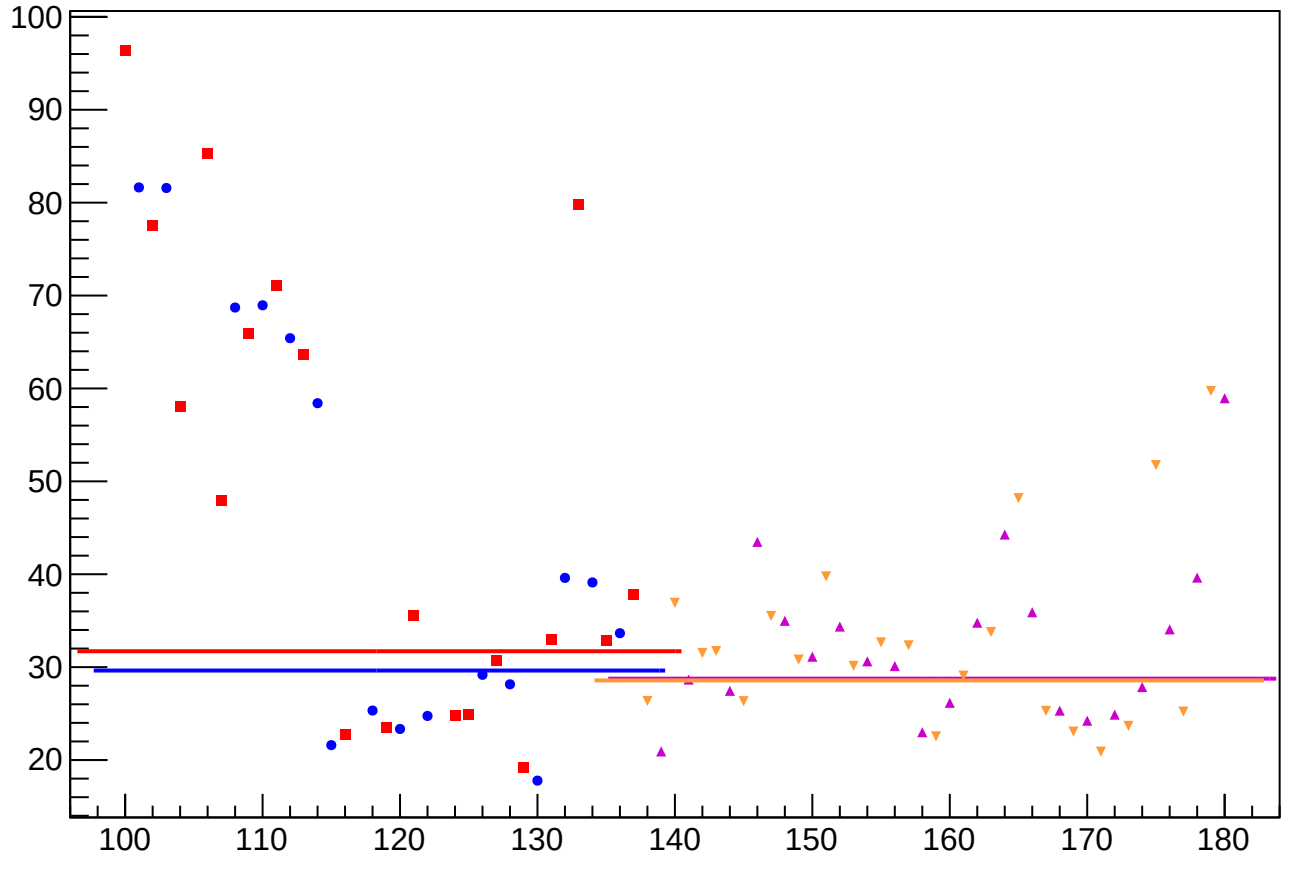
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.007+/-0.007 χ^2/NDF:30.3/20

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/37

All: 0.002+/-0.004 χ^2/NDF: 91.1/77

- 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: 28.569+/-0.005 χ^2/NDF:1847368.1/21

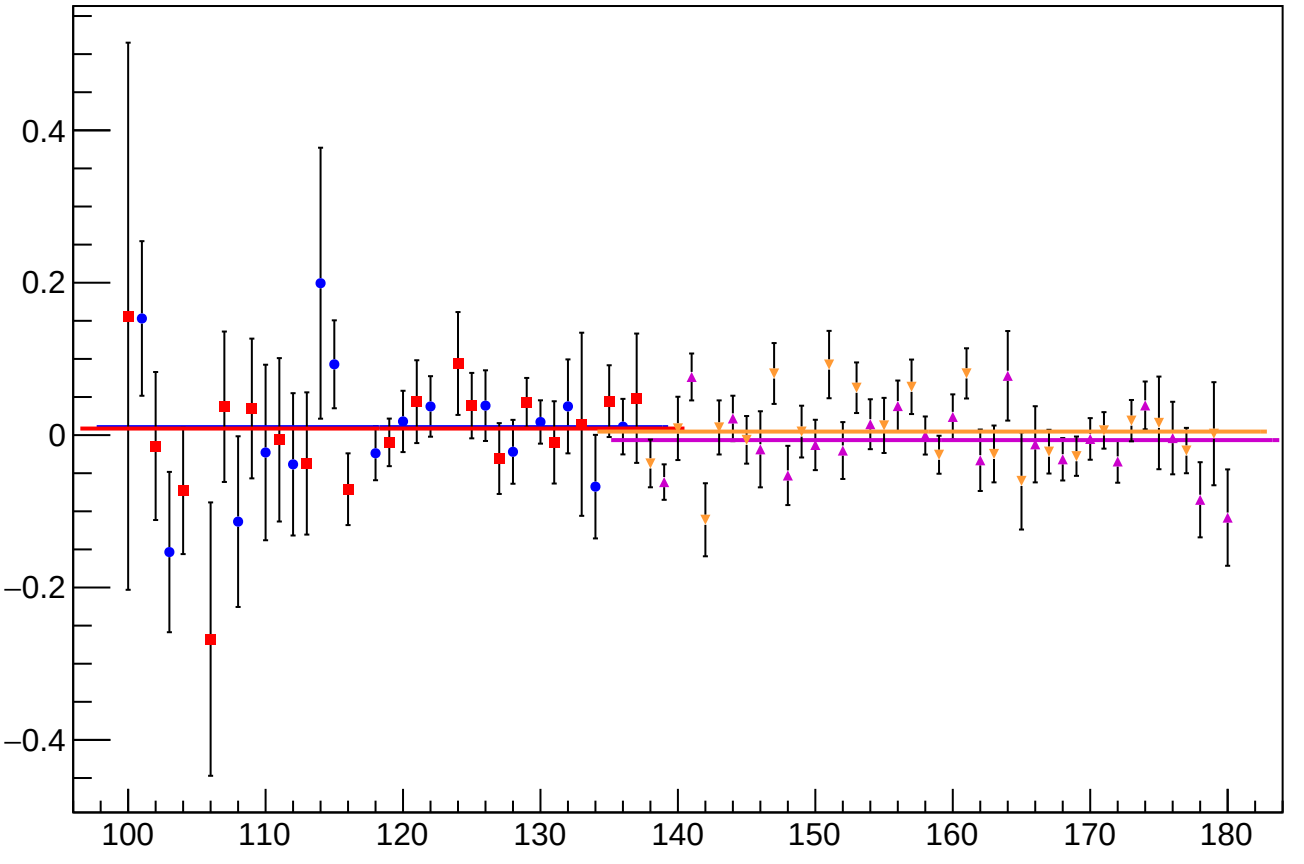
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.759+/-0.005 χ^2/NDF:1571046.2/20

\+ sign 28.833+/-0.004 χ^2/NDF: 4306838.0/37

All: 29.134+/-0.003 χ^2/NDF: 8615149.1/77

\- 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:33.1/21

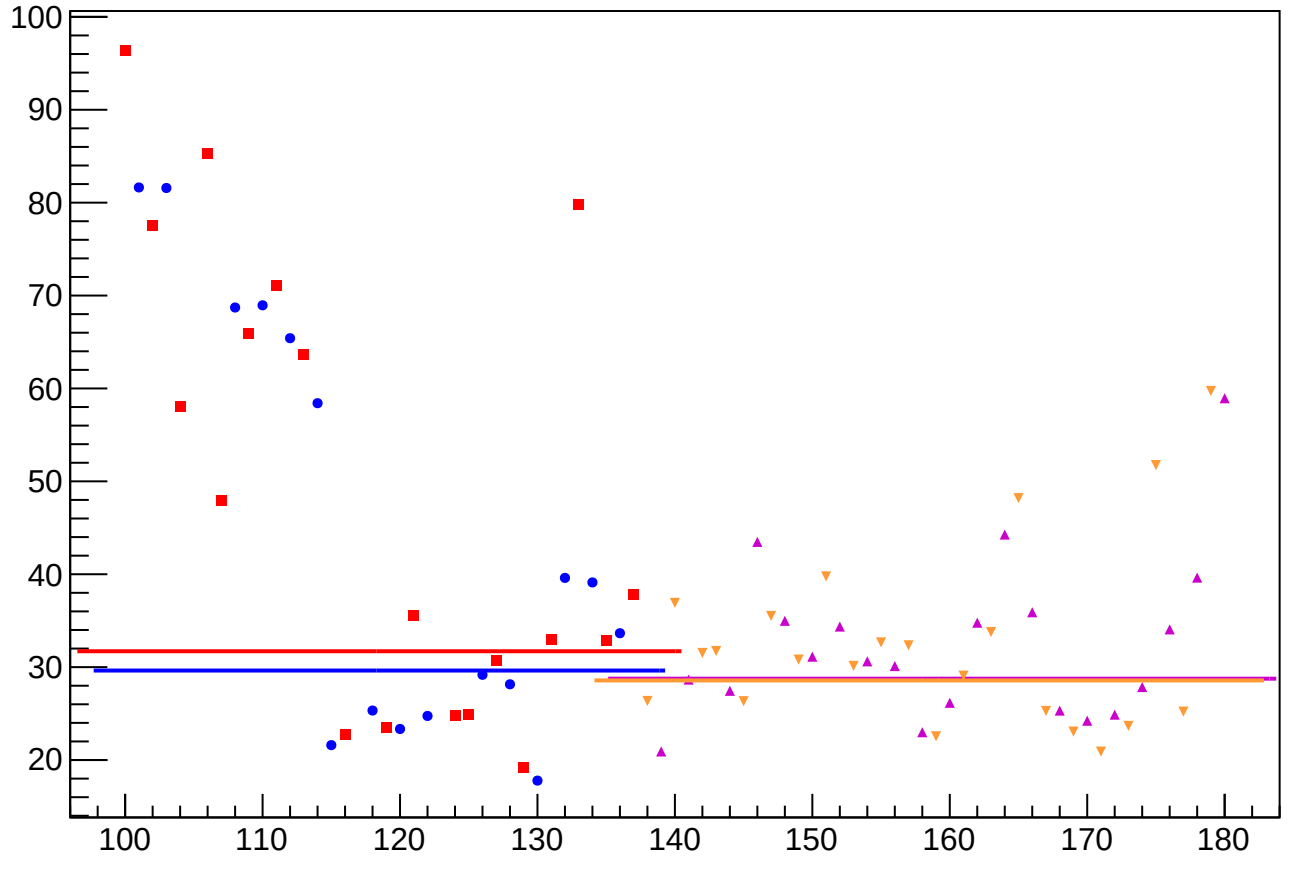
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.007+/-0.007 χ^2/NDF:30.3/20

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/37

All: 0.002+/-0.004 χ^2/NDF: 91.1/77

- 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: 28.569+/-0.005 χ^2/NDF:1847368.1/21

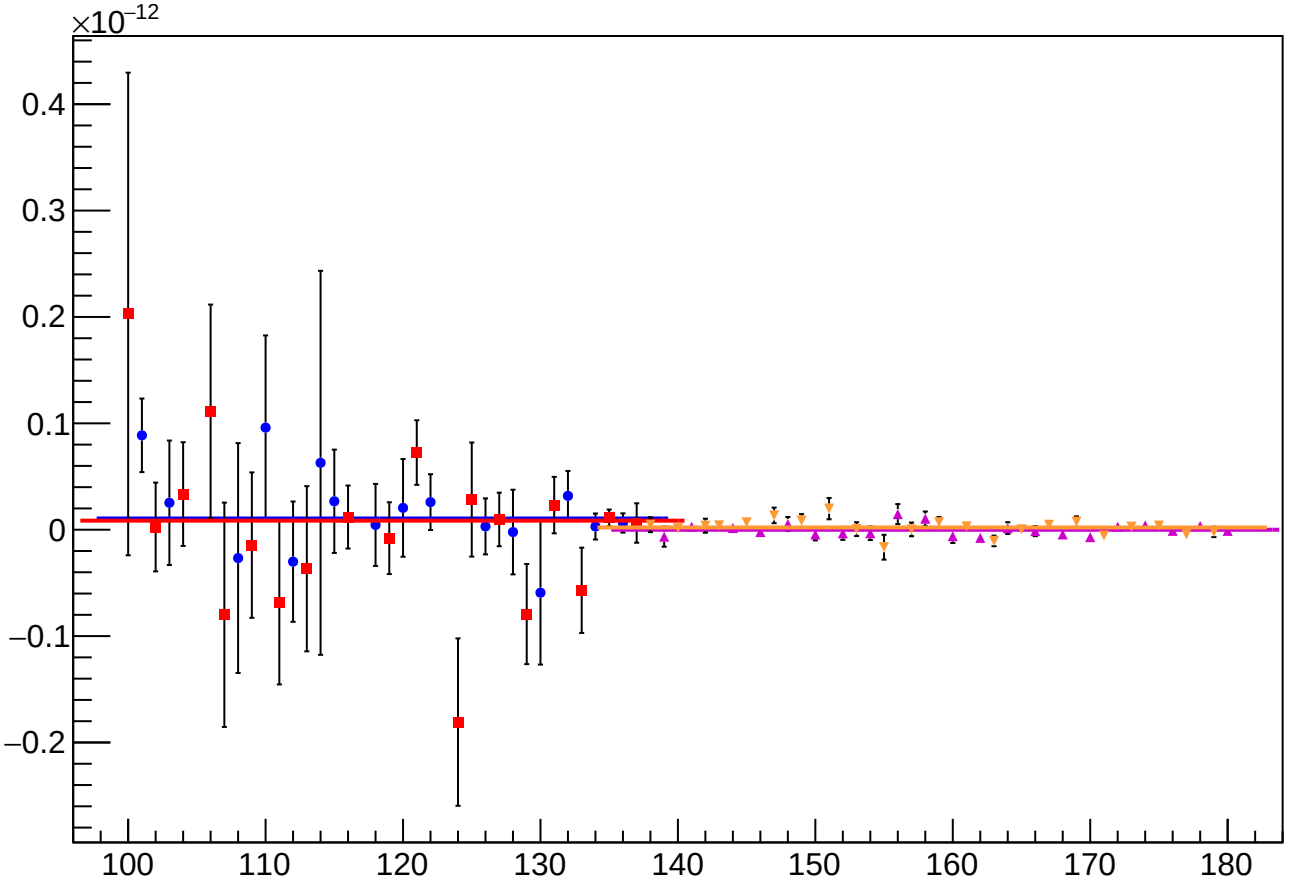
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.759+/-0.005 χ^2/NDF:1571046.2/20

+ sign 28.833+/-0.004 χ^2/NDF: 4306838.0/37

All: 29.134+/-0.003 χ^2/NDF: 8615149.1/77

- 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:27.1/21

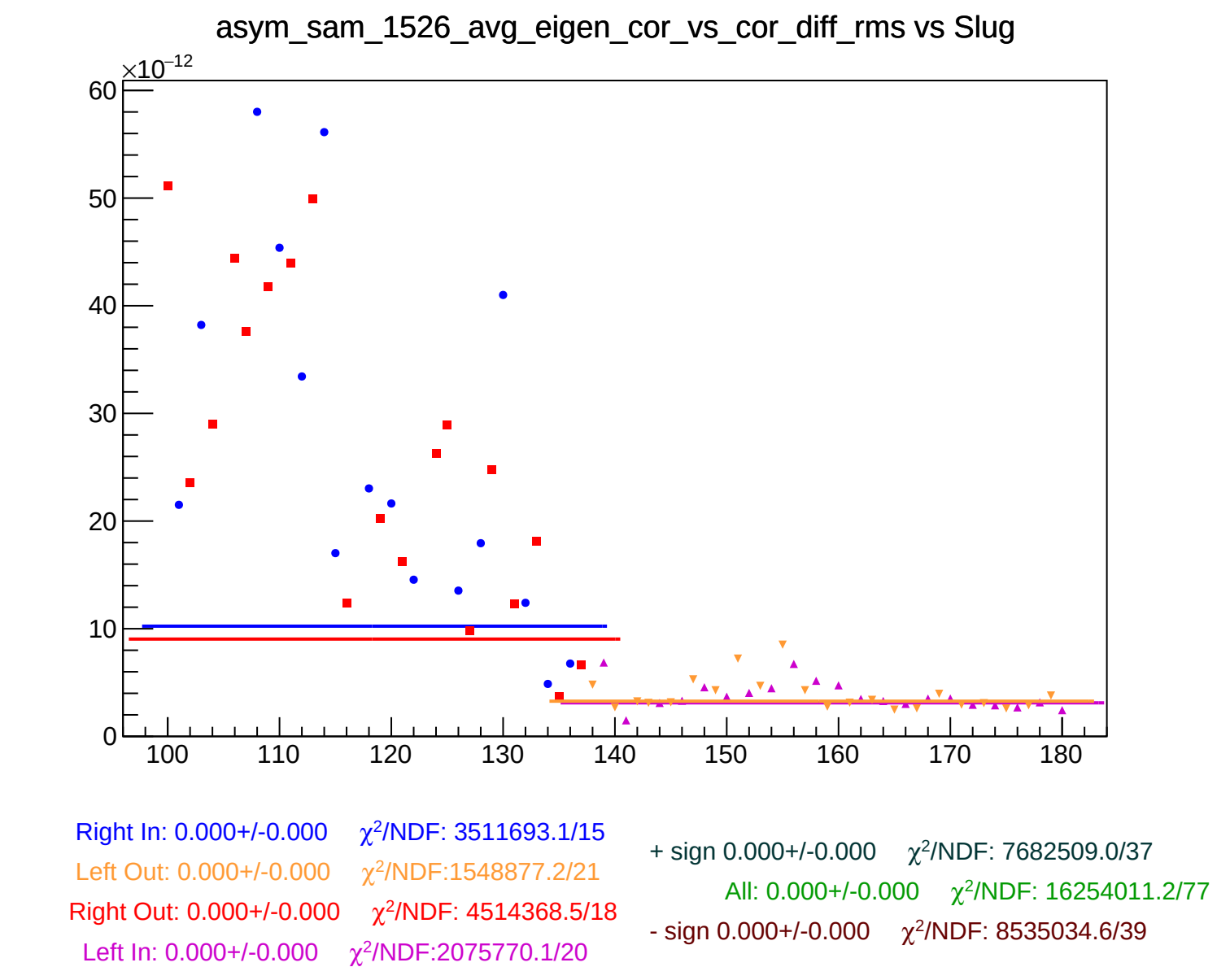
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.1/20

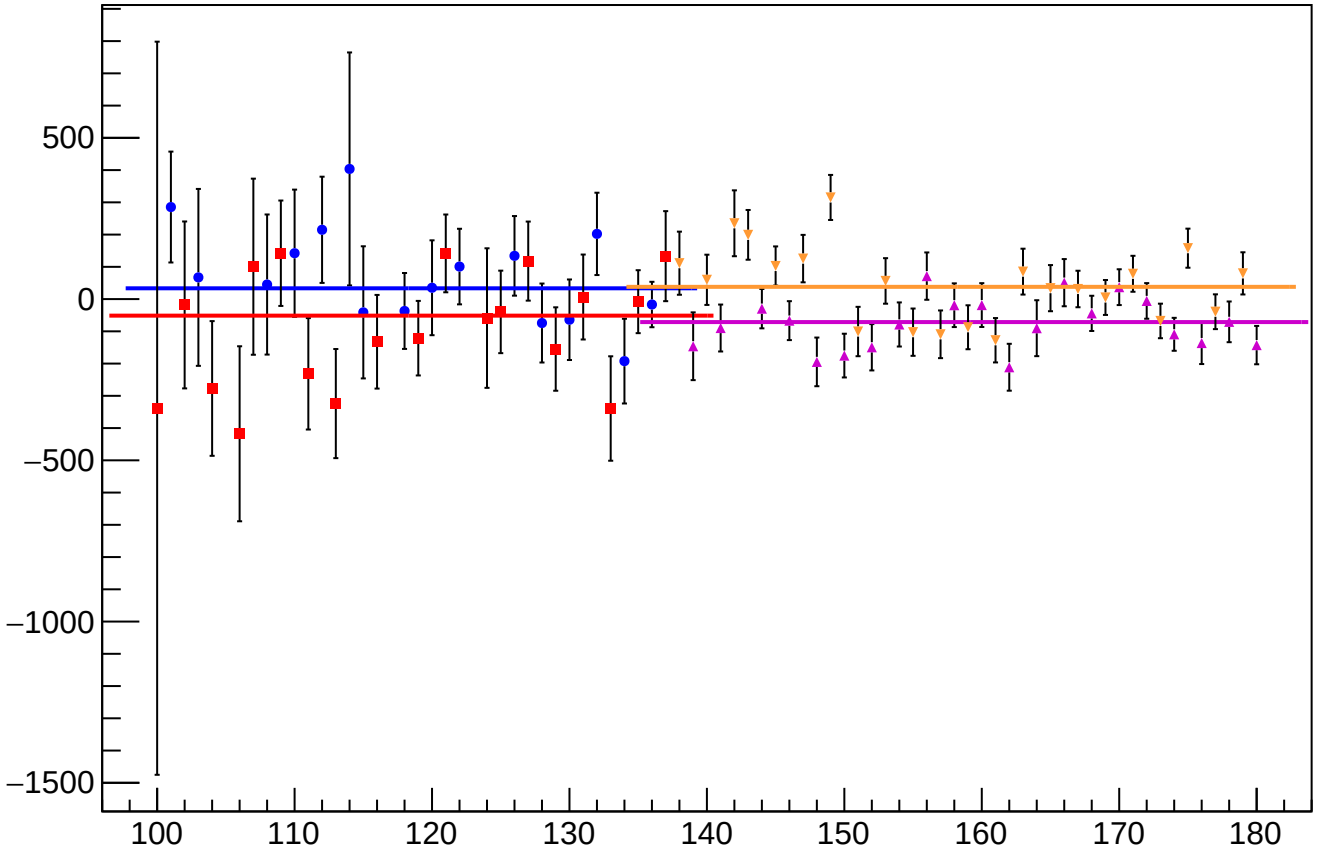
+ sign 0.000+/-0.000 χ^2/NDF: 39.1/37

All: 0.000+/-0.000 χ^2/NDF: 83.0/77

- sign 0.000+/-0.000 χ^2/NDF: 41.6/39


asym_sam_1526_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: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1548877.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:2075770.1/20
+ sign 0.000+/-0.000 χ²/NDF: 7682509.0/37
All: 0.000+/-0.000 χ²/NDF: 16254011.2/77
- sign 0.000+/-0.000 χ²/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: 37.983+/-14.246 χ^2/NDF:58.8/21

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

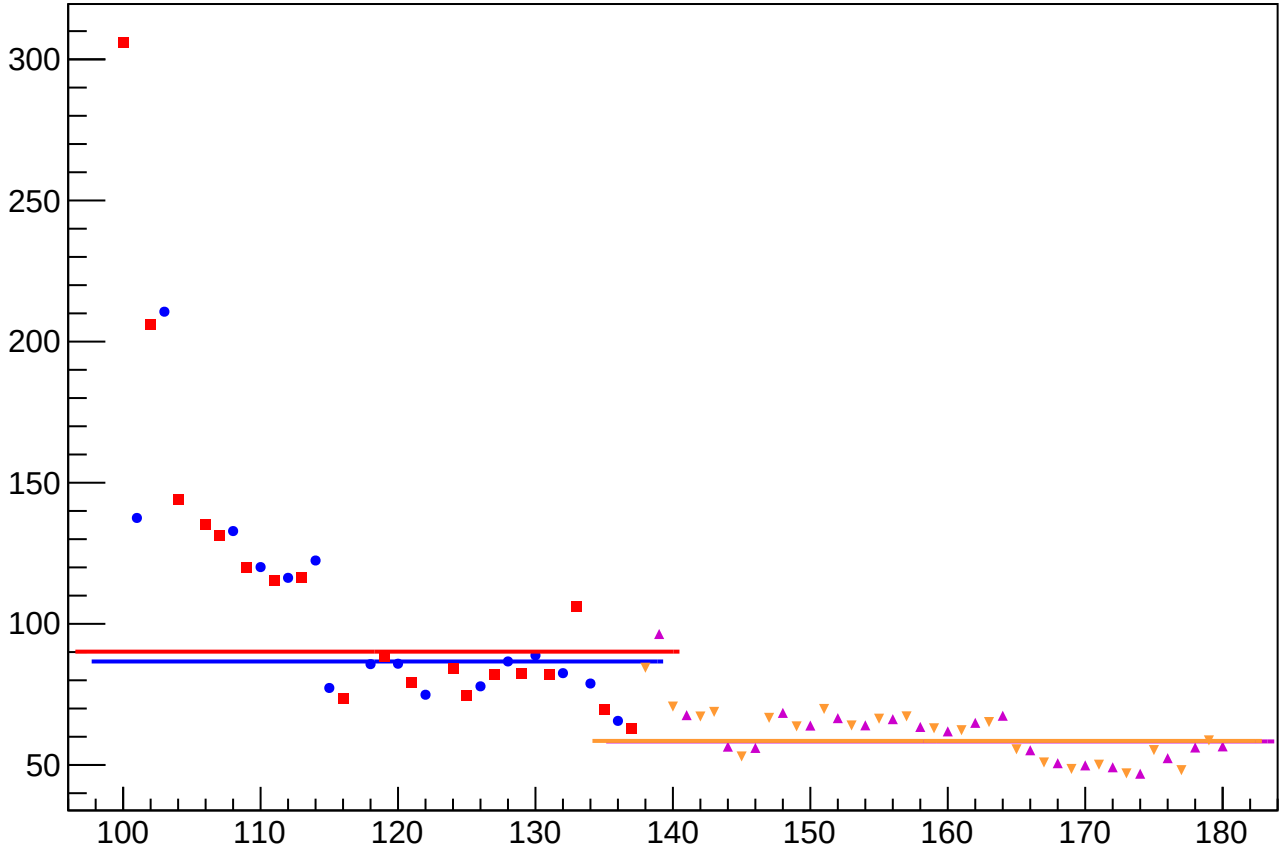
Left In: -71.287+/-14.296 χ^2/NDF:27.2/20

+ sign 37.299+/-13.132 χ^2/NDF: 71.6/37

All: -15.178+/-9.319 χ^2/NDF: 150.9/77

- 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: 58.525+/-0.010 χ^2/NDF:754553.4/21

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

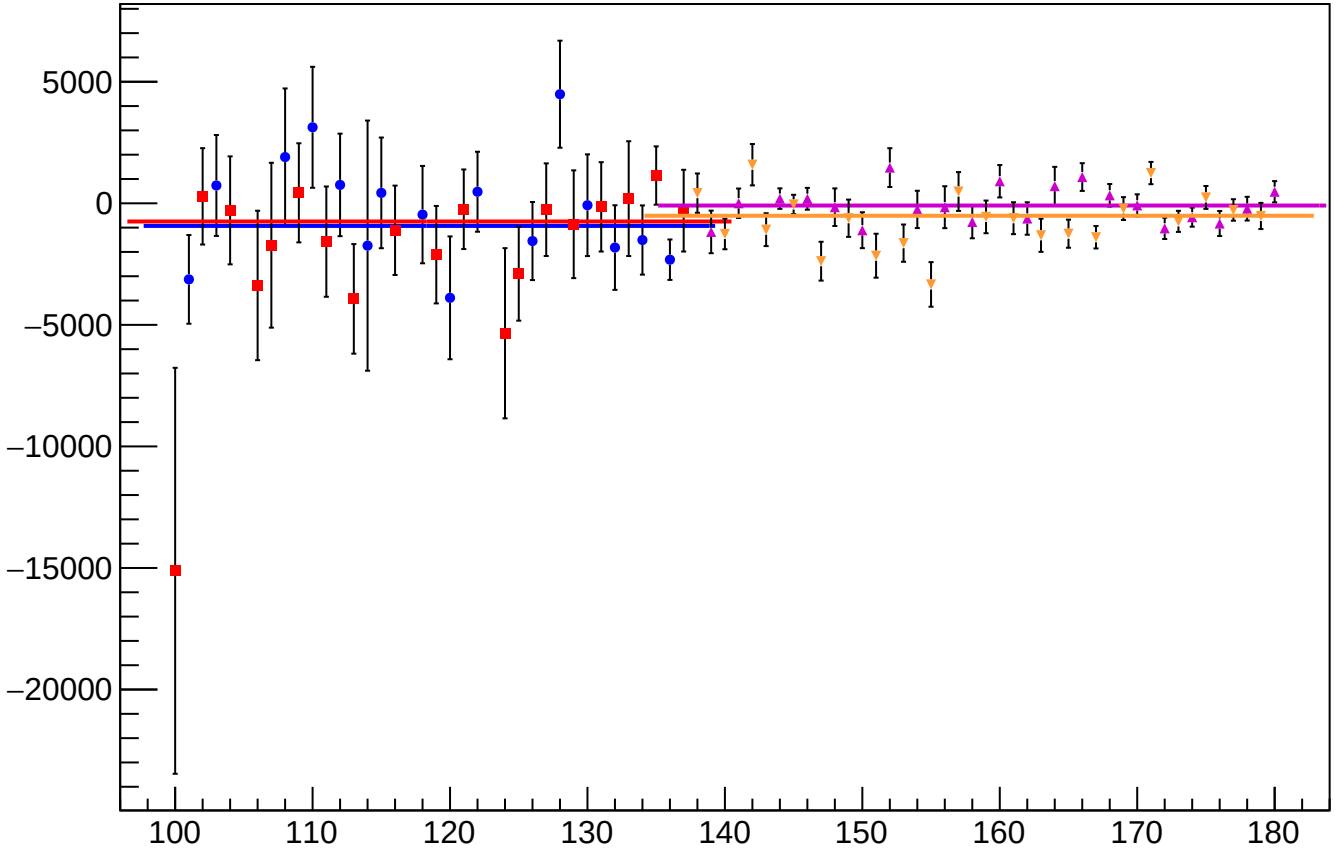
Left In: 58.340+/-0.010 χ^2/NDF:734684.8/20

+ sign 62.753+/-0.009 χ^2/NDF: 2965862.5/37

All: 62.837+/-0.007 χ^2/NDF: 6277125.0/77

- sign 62.923+/-0.009 χ^2/NDF: 3311096.4/39

asym_sam_3726_avg_reg_correction_mean vs Slug



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -512.165+/-123.976 χ^2/NDF:57.9/21

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

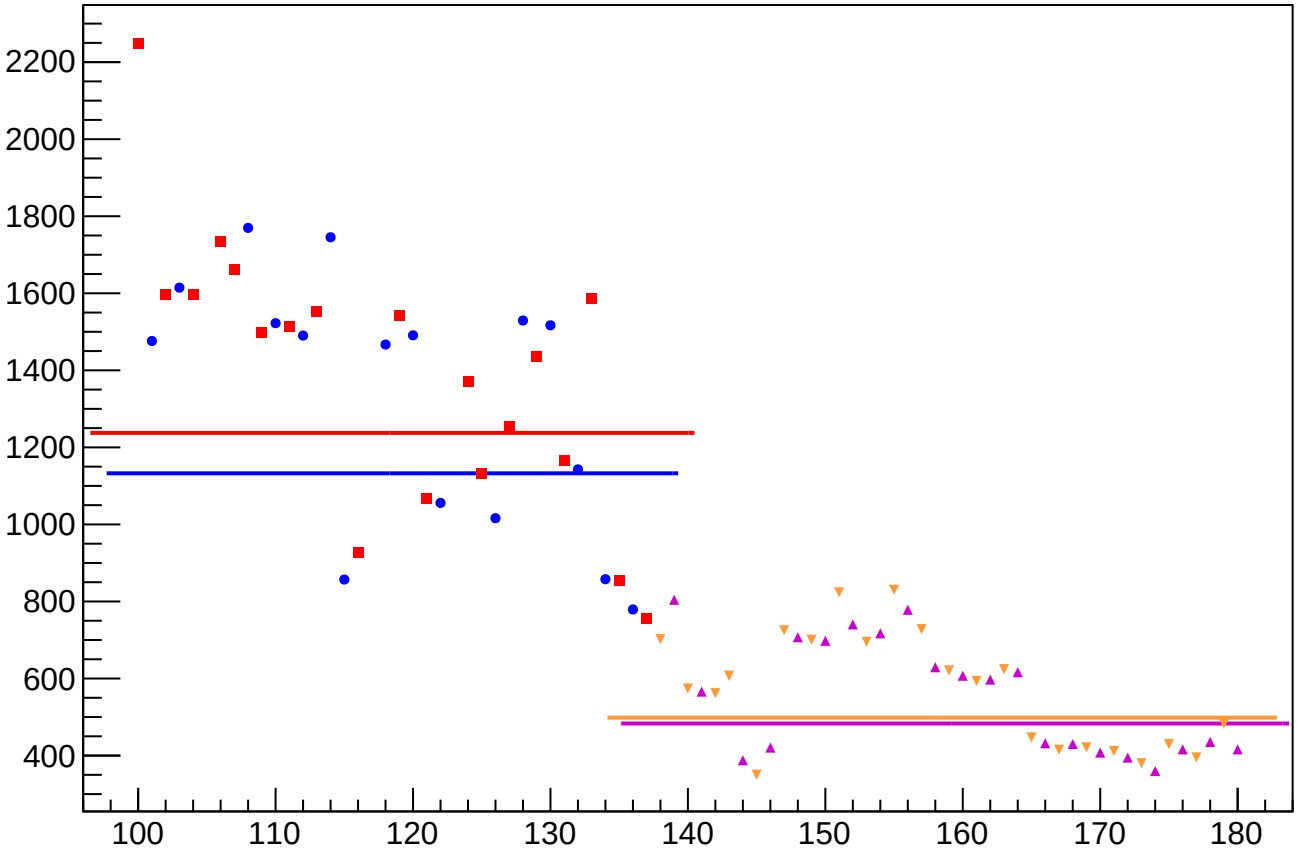
Left In: -91.536+/-120.827 χ^2/NDF:28.0/20

+ sign -542.769+/-119.347 χ^2/NDF: 77.3/37

All: -333.554+/-83.545 χ^2/NDF: 126.1/77

- 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: 498.485+/-0.088 χ^2/NDF:2304056.1/21

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

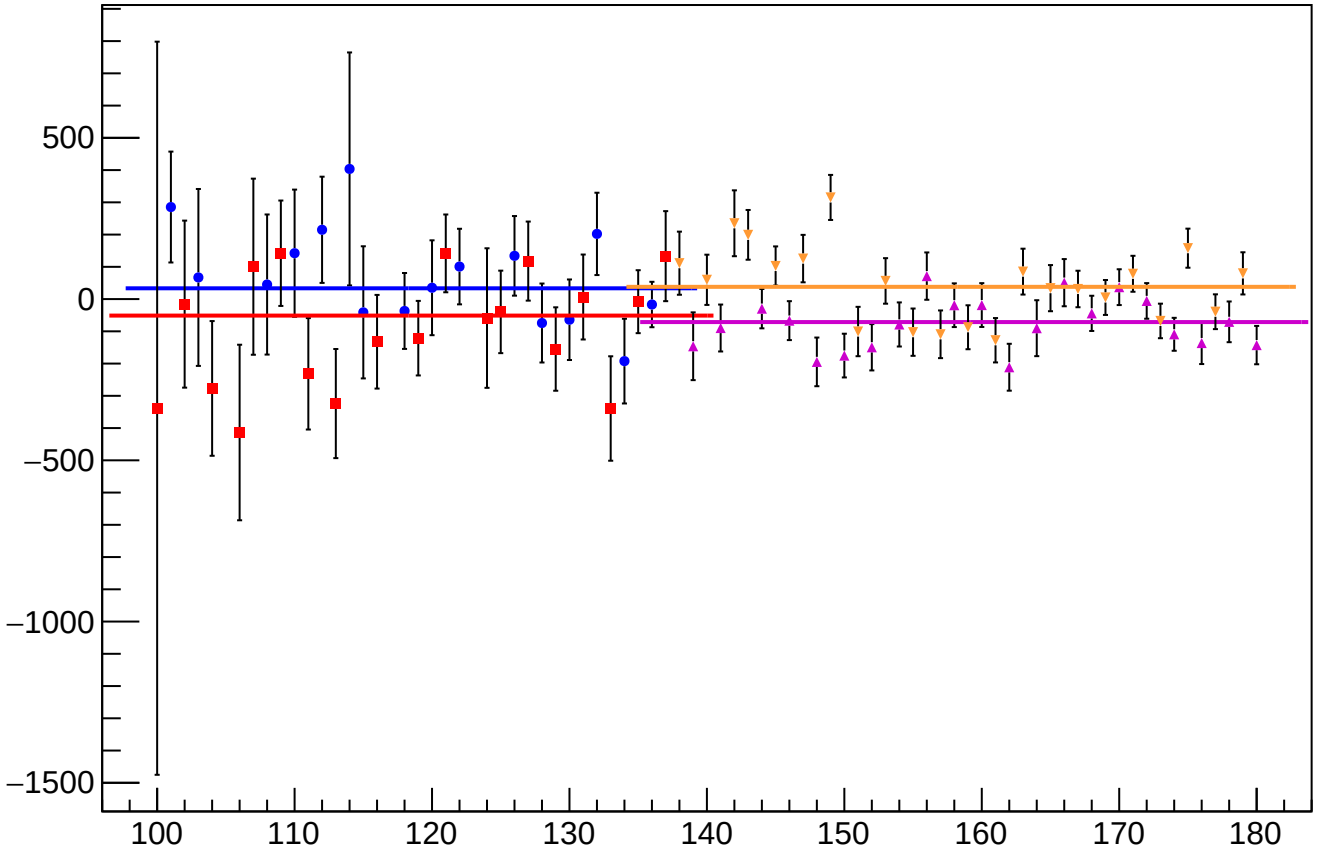
Left In: 483.236+/-0.085 χ^2/NDF:2168965.5/20

+ sign 544.956+/-0.084 χ^2/NDF: 7263257.5/37

All: 537.530+/-0.059 χ^2/NDF: 15216158.0/77

- 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: 37.985+/-14.246 χ^2/NDF:58.8/21

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

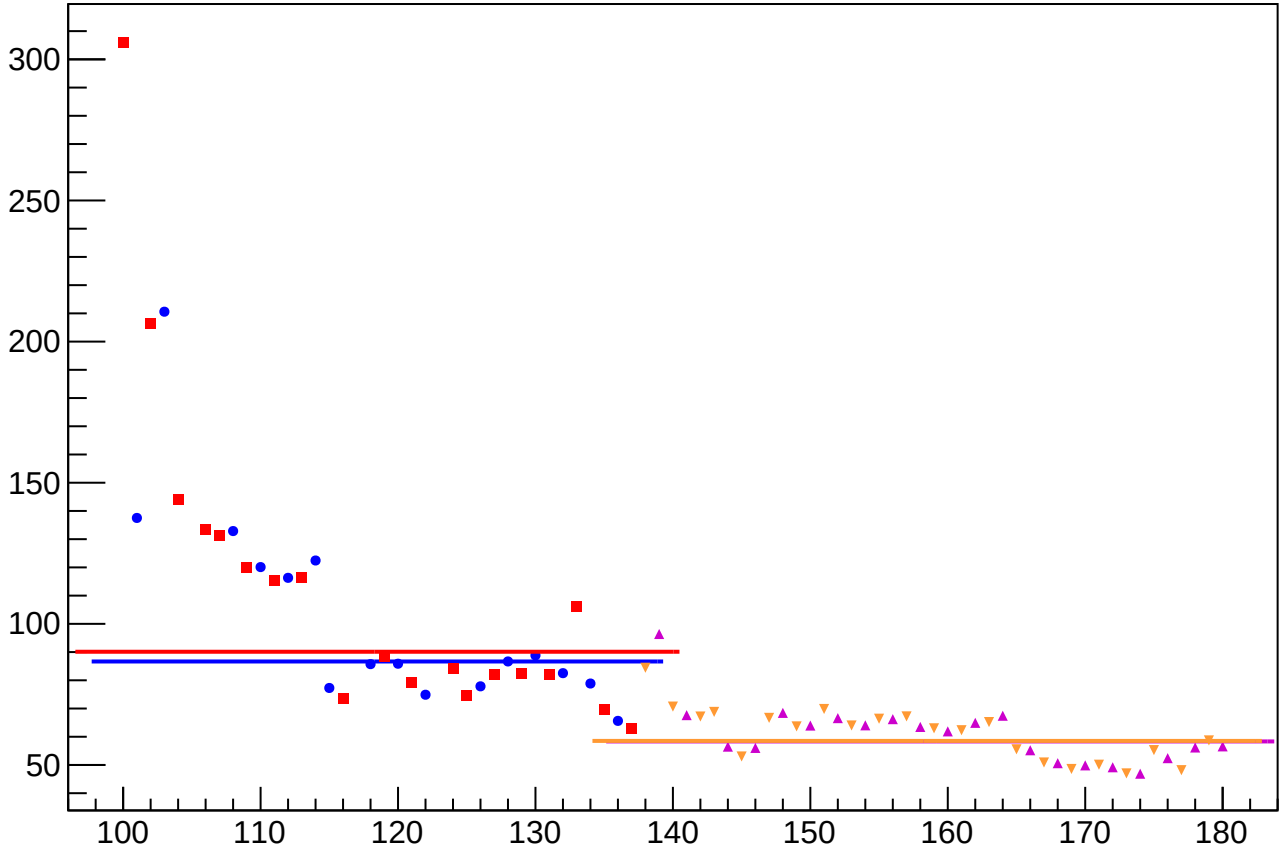
Left In: -71.285+/-14.296 χ^2/NDF:27.2/20

+ sign 37.299+/-13.132 χ^2/NDF: 71.6/37

All: -15.166+/-9.319 χ^2/NDF: 150.8/77

- 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: 58.525+/-0.010 χ^2/NDF:754553.4/21

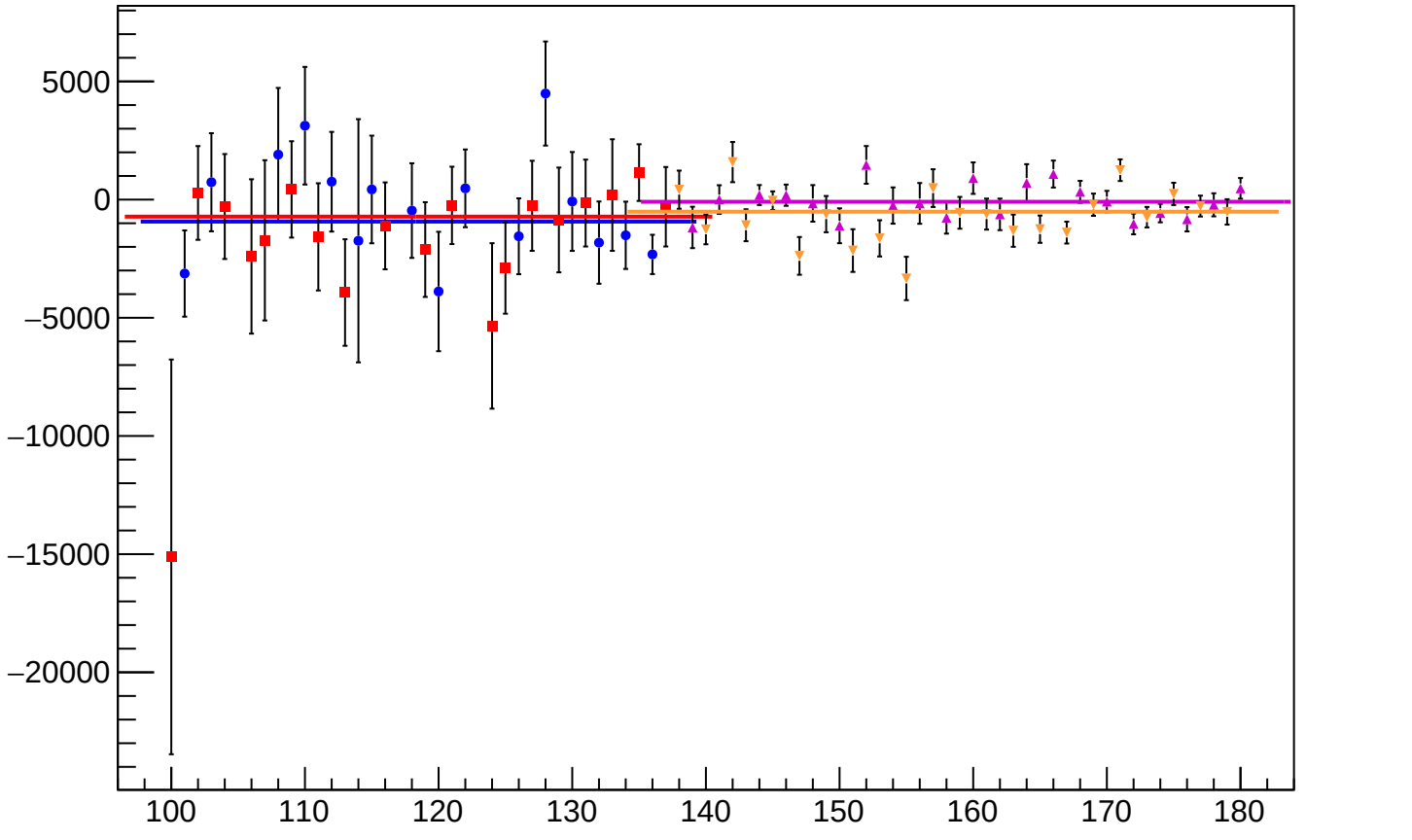
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.340+/-0.010 χ^2/NDF:734684.8/20

+ sign 62.753+/-0.009 χ^2/NDF: 2965864.8/37

All: 62.834+/-0.007 χ^2/NDF: 6268949.7/77

- 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: -512.161+/-123.976 χ^2/NDF:57.9/21

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

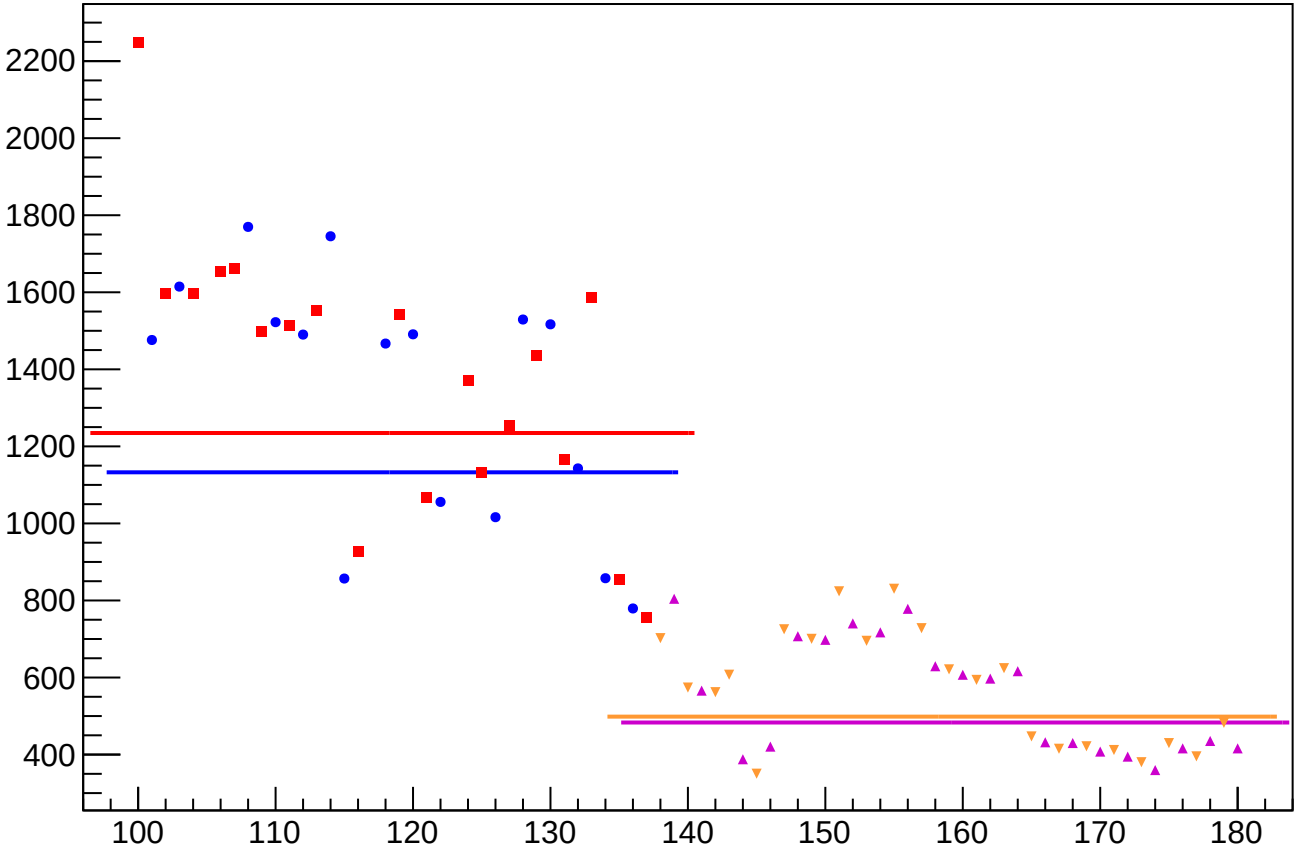
Left In: -91.534+/-120.827 χ^2/NDF:28.0/20

\+ sign -542.763+/-119.347 χ^2/NDF: 77.3/37

All: -332.669+/-83.549 χ^2/NDF: 125.6/77

\- 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: 498.484+/-0.088 χ^2/NDF:2304061.4/21

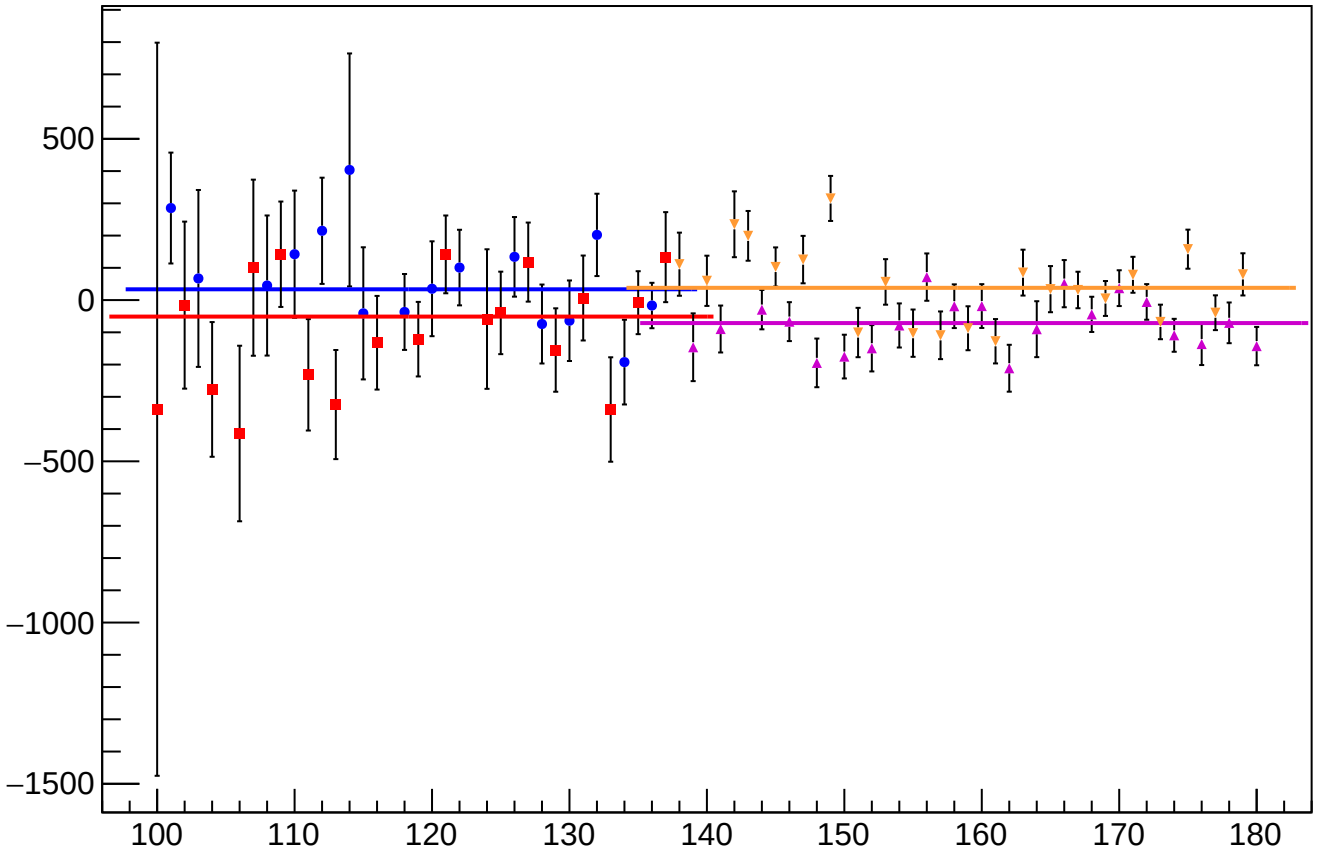
Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 483.236+/-0.085 χ^2/NDF:2168964.7/20

+ sign 544.956+/-0.084 χ^2/NDF: 7263300.0/37

All: 537.378+/-0.059 χ^2/NDF: 15148281.3/77

- sign 530.095+/-0.083 χ^2/NDF: 7869168.1/39



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 37.985+/-14.246 χ^2/NDF:58.8/21

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

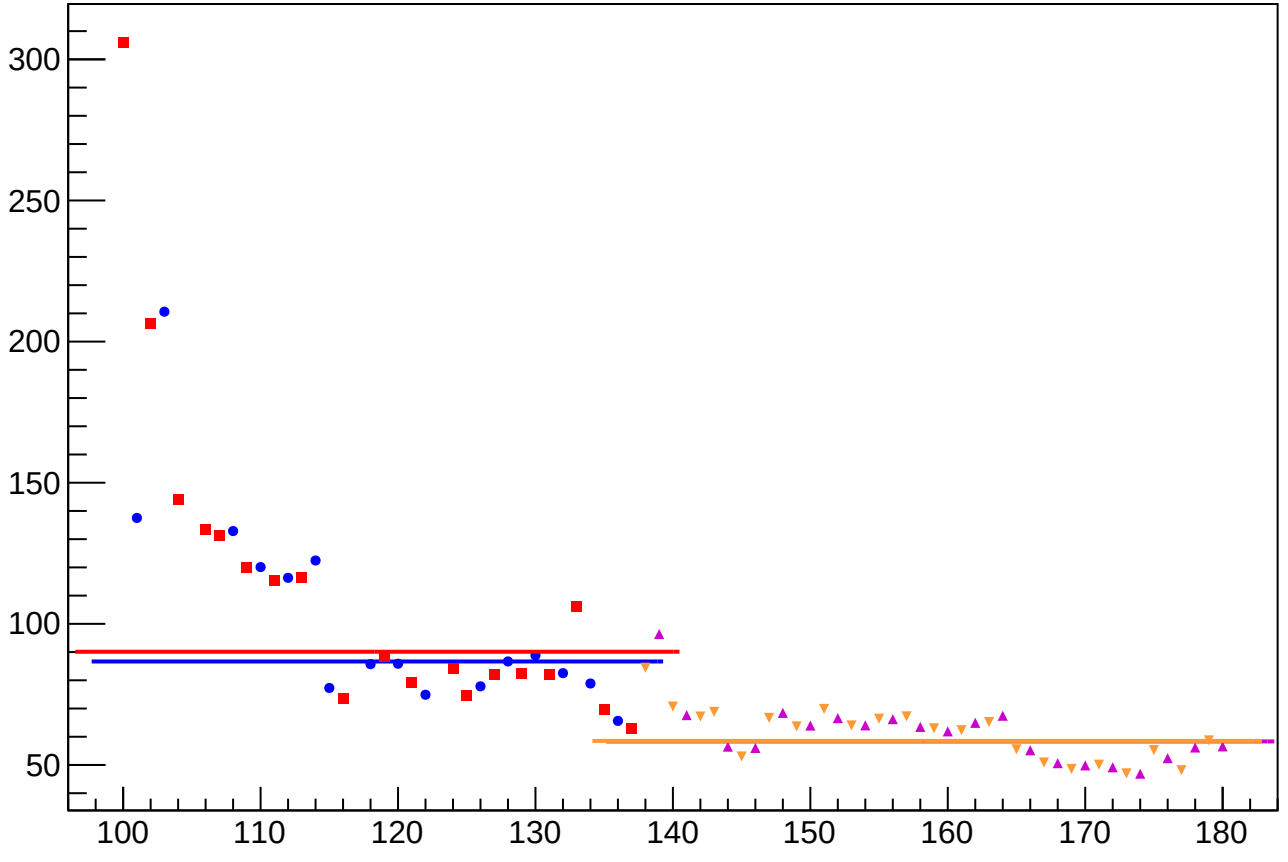
Left In: -71.285+/-14.296 χ^2/NDF:27.2/20

+ sign 37.299+/-13.132 χ^2/NDF: 71.6/37

All: -15.166+/-9.319 χ^2/NDF: 150.8/77

- 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: 58.525+/-0.010 χ^2/NDF:754553.4/21

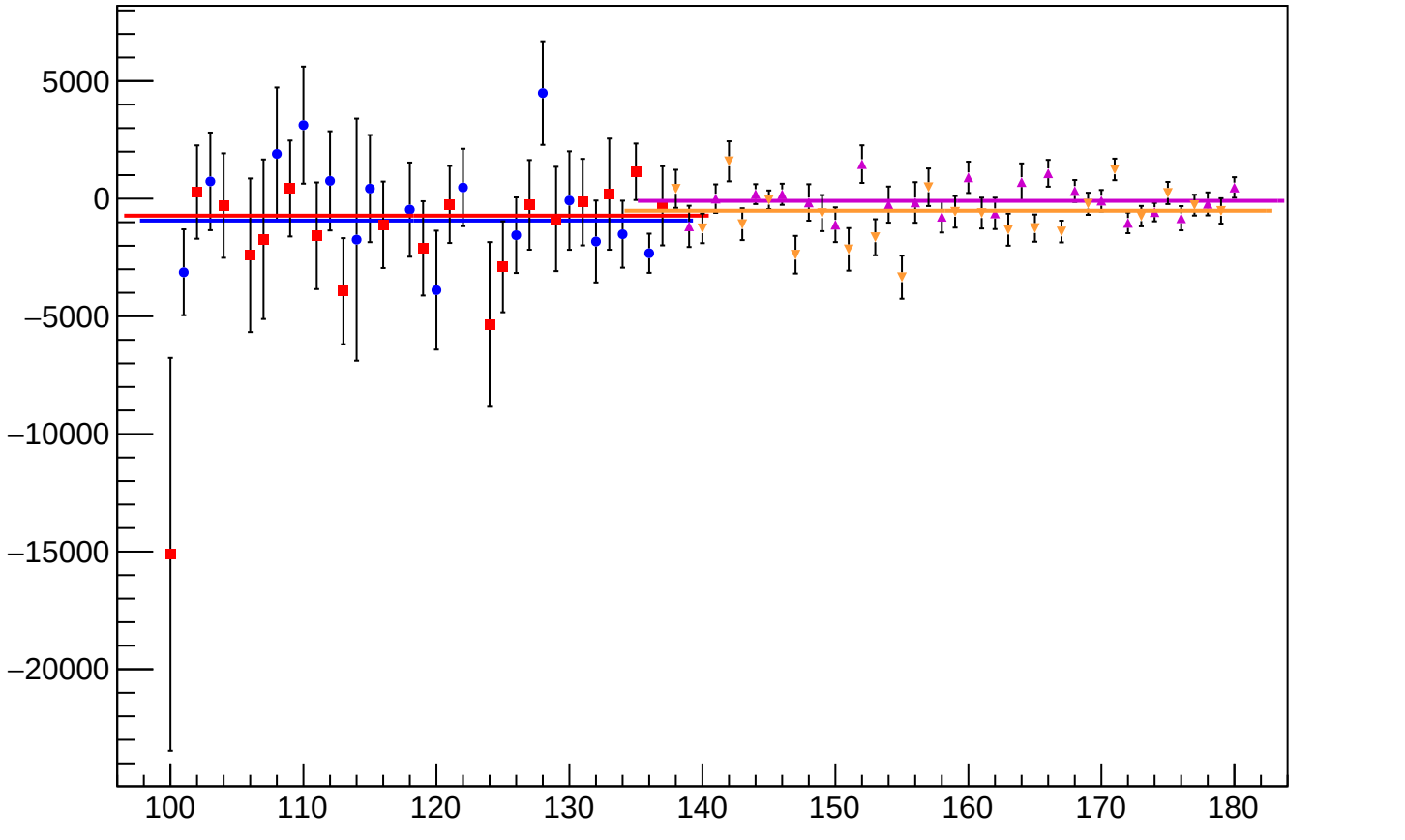
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.340+/-0.010 χ^2/NDF:734684.8/20

+ sign 62.753+/-0.009 χ^2/NDF: 2965864.8/37

All: 62.834+/-0.007 χ^2/NDF: 6268949.7/77

- 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: -512.161+/-123.976 χ^2/NDF:57.9/21

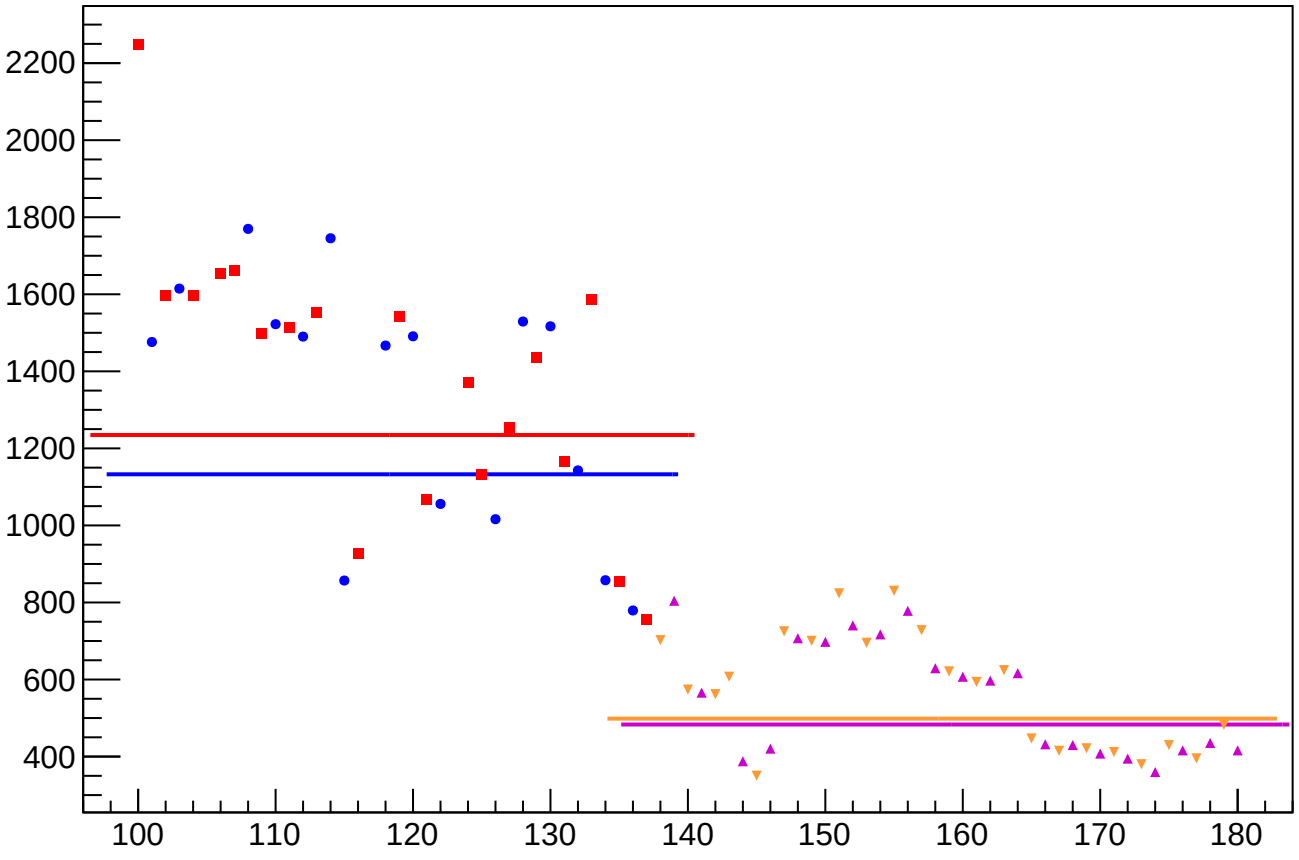
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -91.534+/-120.827 χ^2/NDF:28.0/20

\+ sign -542.763+/-119.347 χ^2/NDF: 77.3/37

All: -332.669+/-83.549 χ^2/NDF: 125.6/77

\- 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: 498.484+/-0.088 χ^2/NDF:2304061.4/21

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

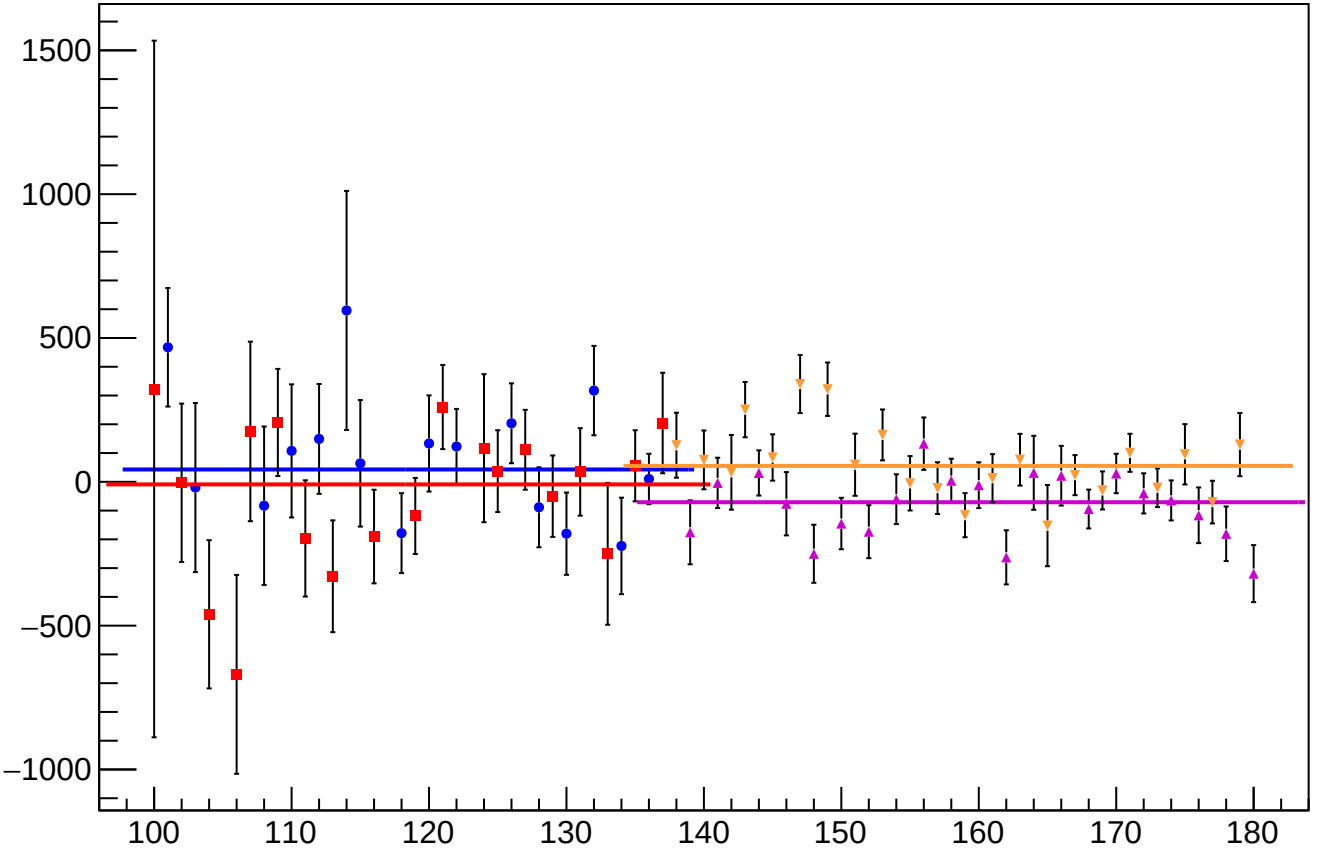
Left In: 483.236+/-0.085 χ^2/NDF:2168964.7/20

+ sign 544.956+/-0.084 χ^2/NDF: 7263300.0/37

All: 537.378+/-0.059 χ^2/NDF: 15148281.3/77

- 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: 55.361+/-18.611 χ^2/NDF:38.2/21

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

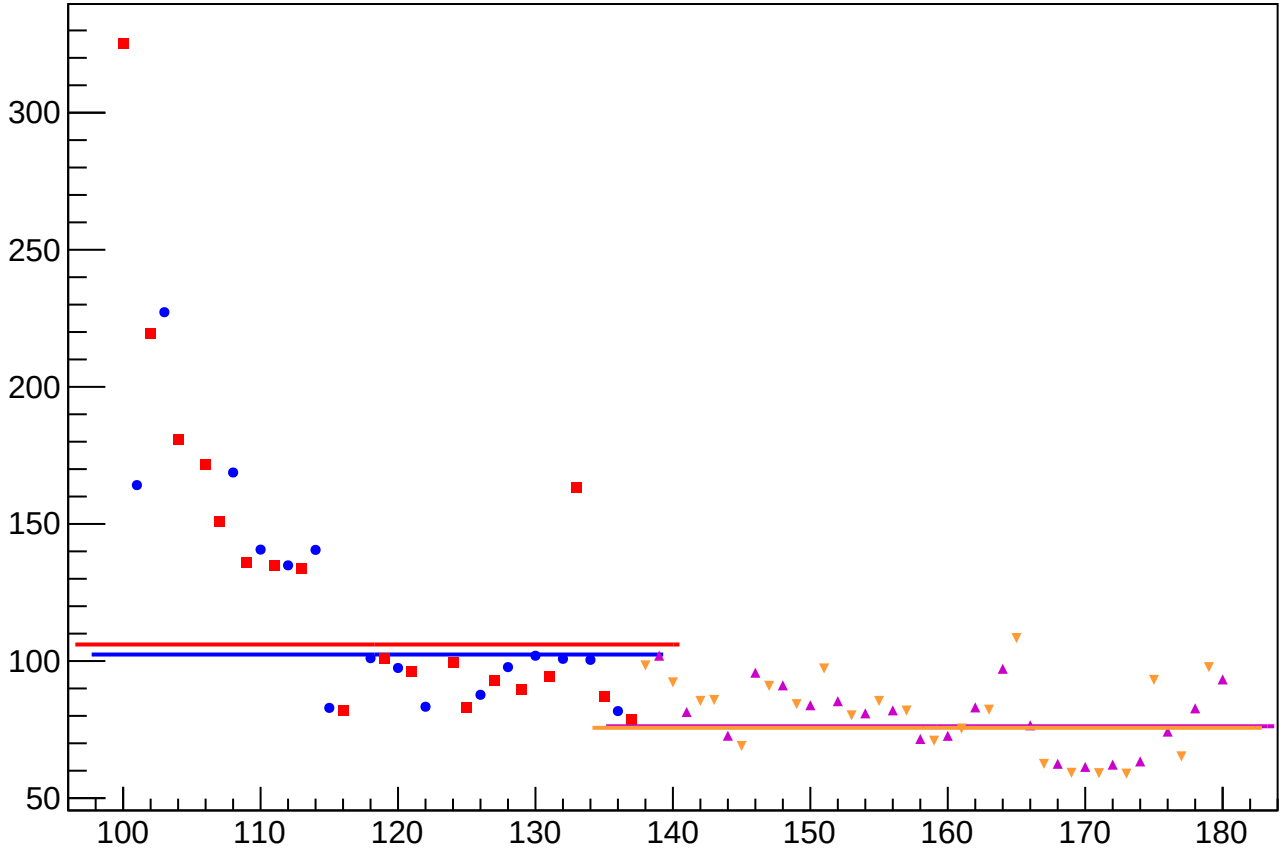
Left In: -70.938+/-18.862 χ^2/NDF:30.6/20

+ sign 53.142+/-16.870 χ^2/NDF: 58.6/37

All: -2.601+/-12.023 χ^2/NDF: 134.6/77

- 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: 75.652+/-0.013 χ^2/NDF:1106971.0/21

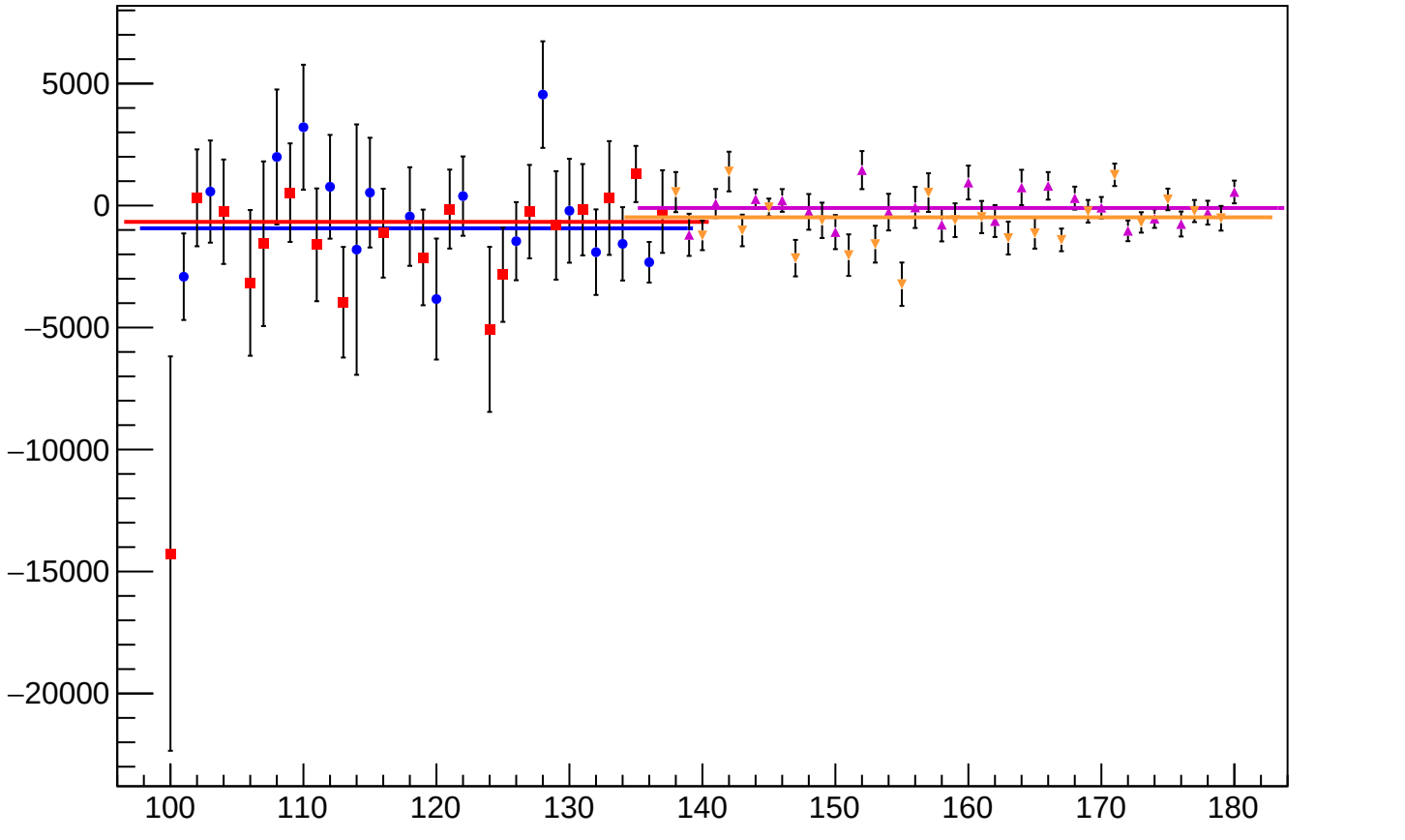
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 76.209+/-0.013 χ^2/NDF:742050.2/20

+ sign 80.418+/-0.012 χ^2/NDF: 2824868.0/37

All: 80.904+/-0.009 χ^2/NDF: 5632879.2/77

- sign 81.406+/-0.012 χ^2/NDF: 2804637.0/39



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -481.742+/-121.015 χ^2/NDF:56.7/21

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

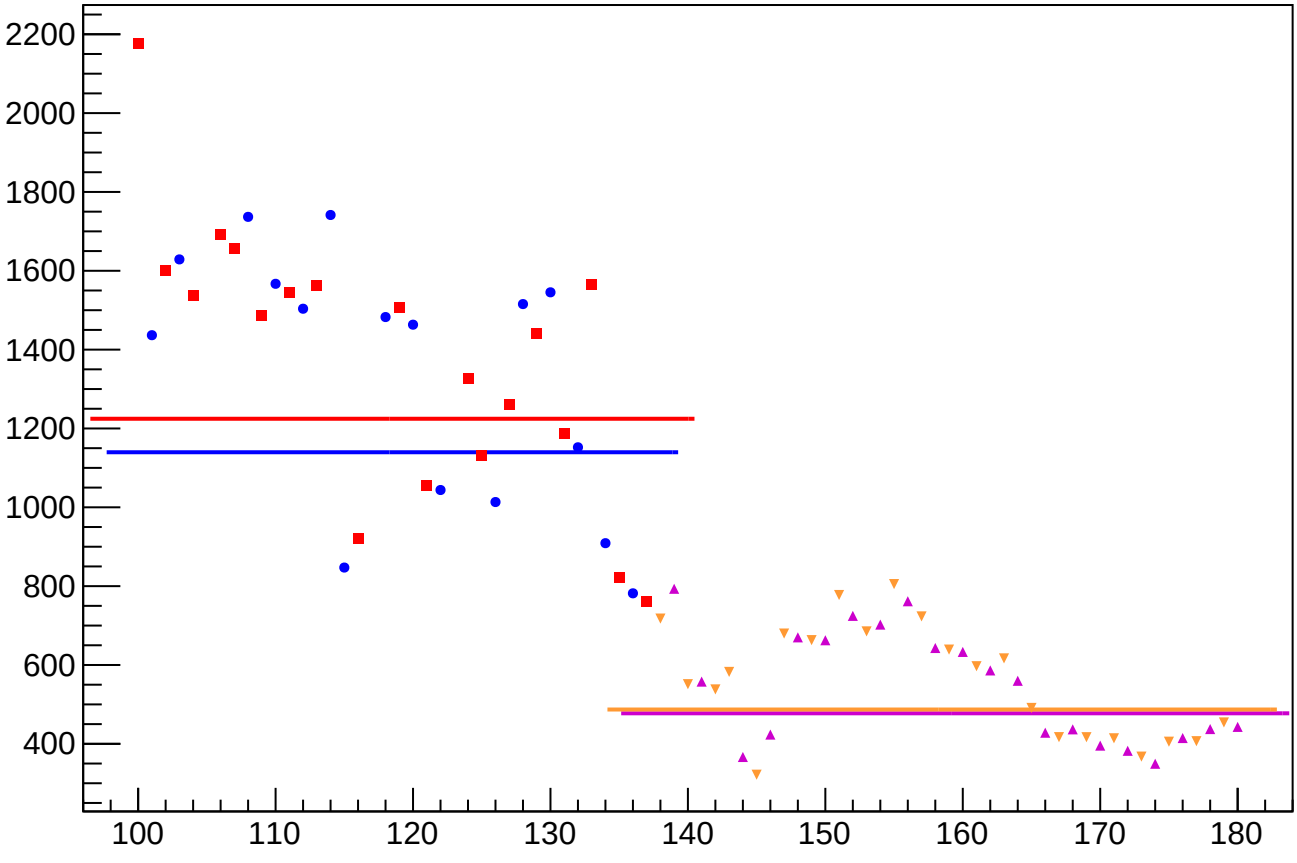
Left In: -99.146+/-119.441 χ^2/NDF:27.6/20

+ sign -513.071+/-116.733 χ^2/NDF: 76.1/37

All: -322.106+/-82.160 χ^2/NDF: 123.9/77

- 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: 487.049+/-0.086 χ^2/NDF:2380953.5/21

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

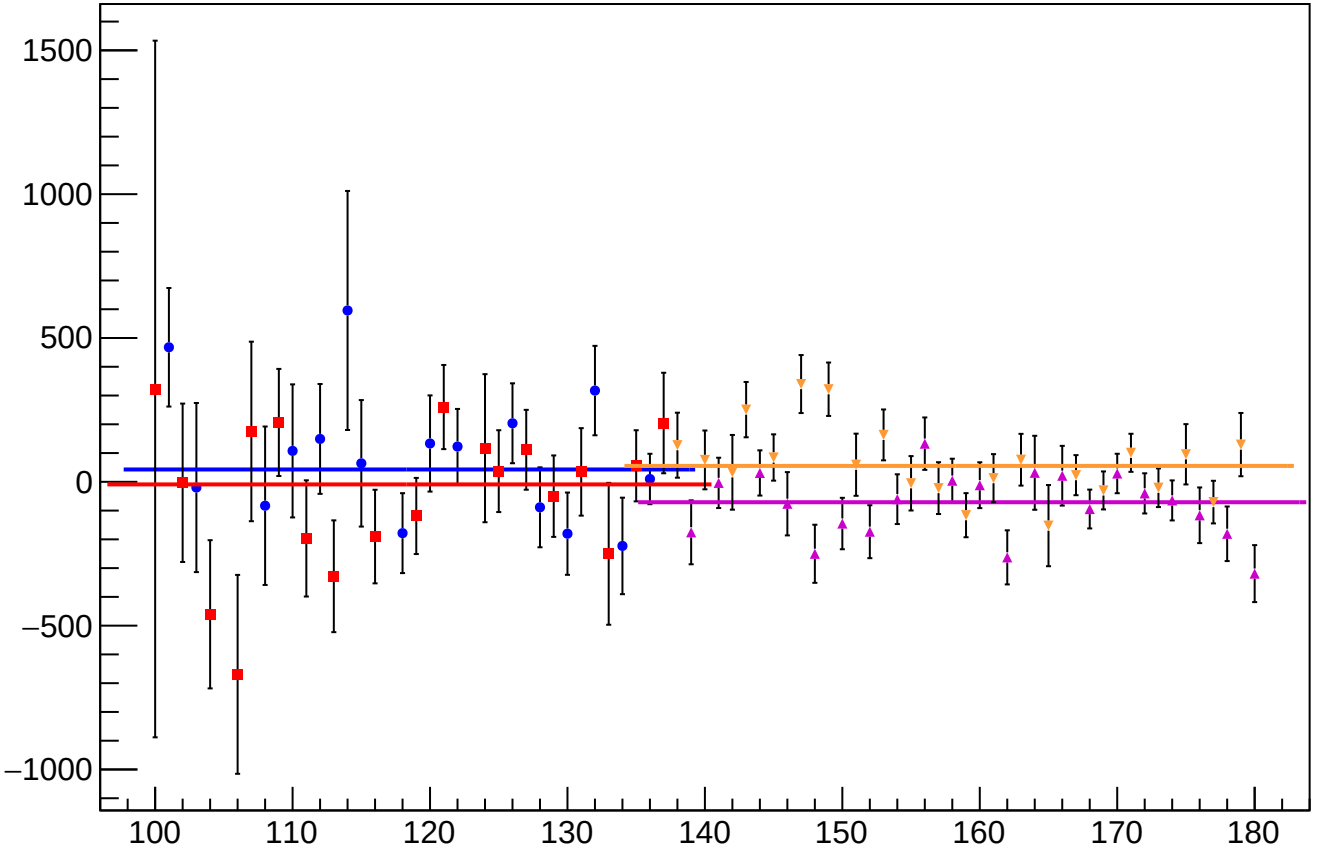
Left In: 477.437+/-0.084 χ^2/NDF:2150463.0/20

+ sign 532.420+/-0.083 χ^2/NDF: 7518021.2/37

All: 528.181+/-0.058 χ^2/NDF: 15475725.1/77

- 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: 55.360+/-18.611 χ^2/NDF:38.2/21

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

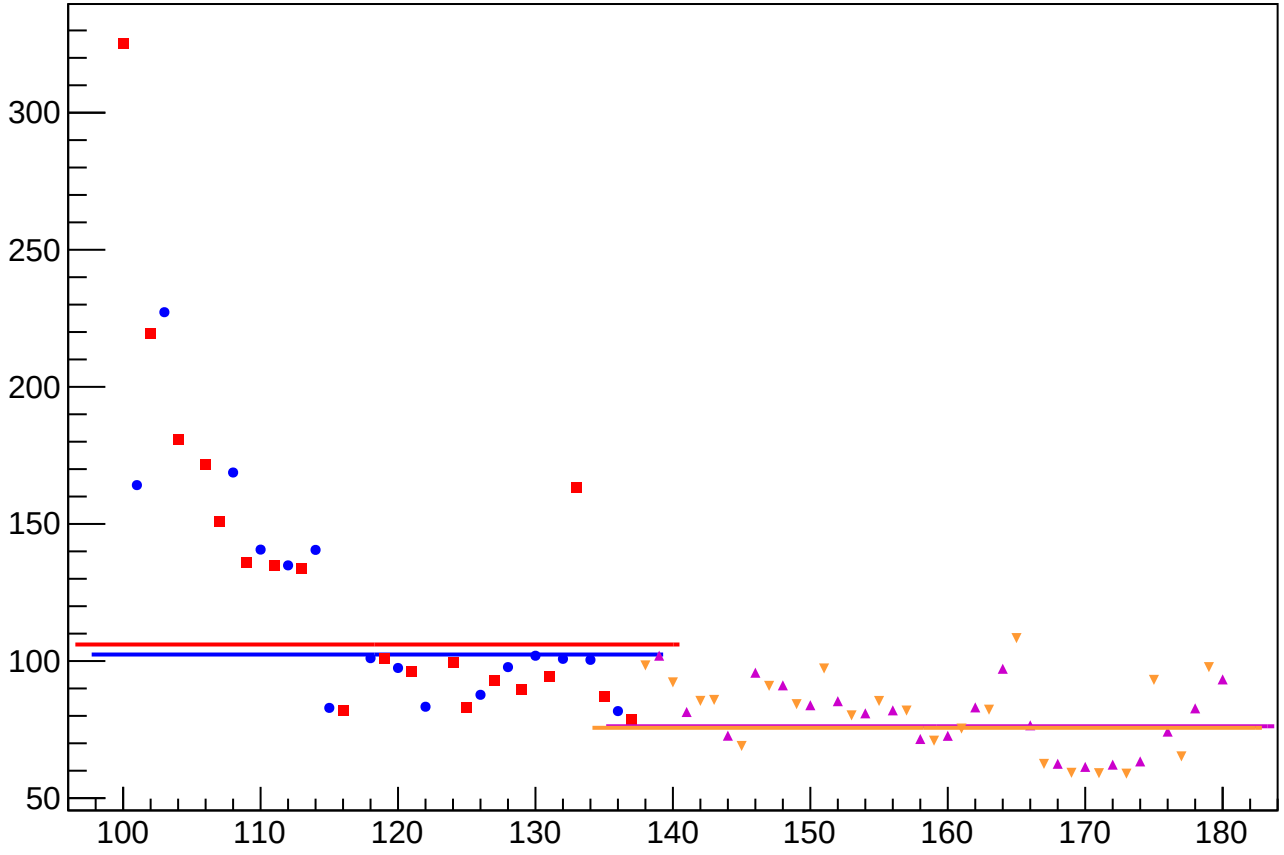
Left In: -70.937+/-18.862 χ^2/NDF:30.6/20

+ sign 53.141+/-16.870 χ^2/NDF: 58.6/37

All: -2.601+/-12.023 χ^2/NDF: 134.6/77

- 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: 75.652+/-0.013 χ^2/NDF:1106974.3/21

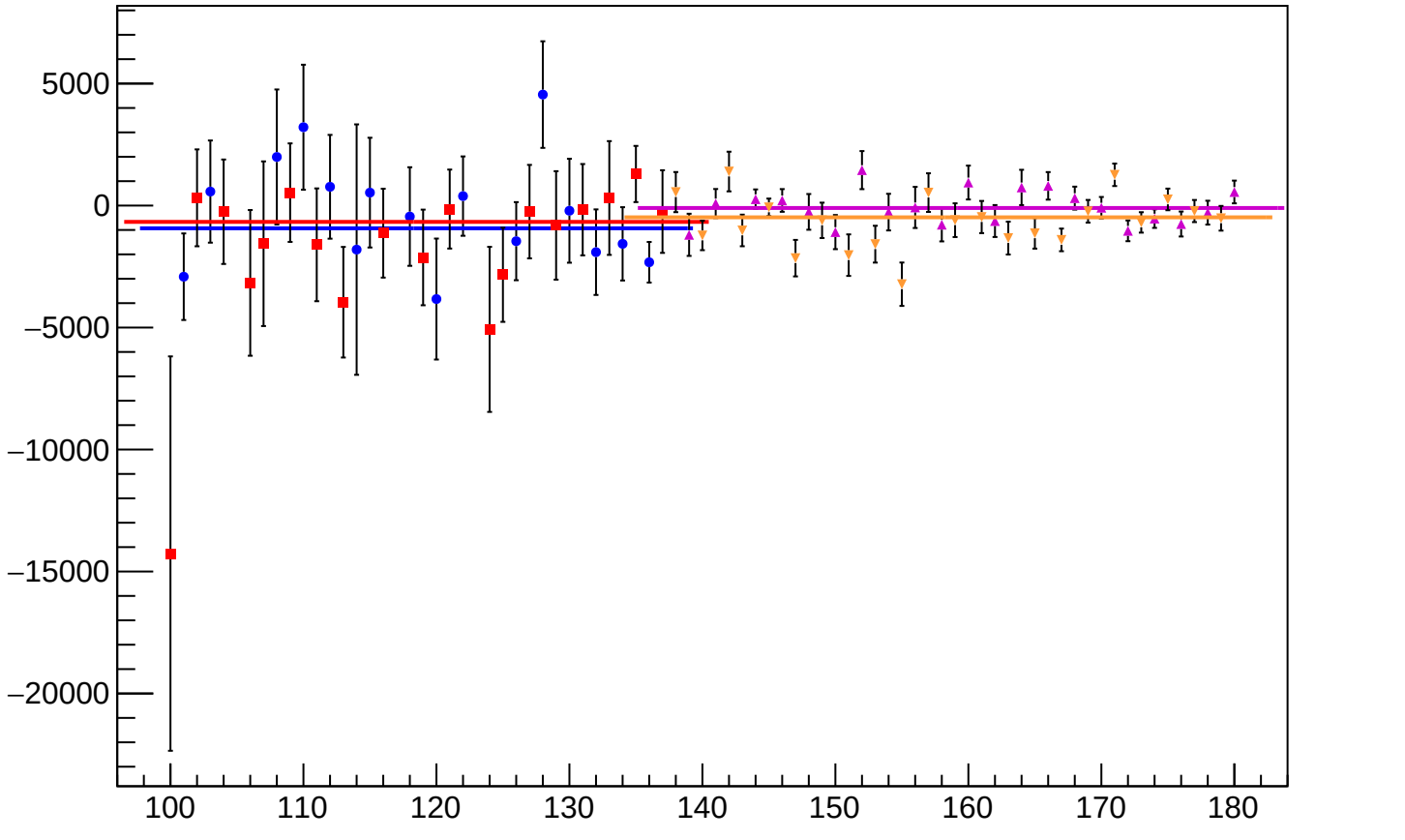
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 76.209+/-0.013 χ^2/NDF:742043.7/20

+ sign 80.418+/-0.012 χ^2/NDF: 2824841.7/37

All: 80.904+/-0.009 χ^2/NDF: 5632826.7/77

- 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: -481.742+/-121.015 χ^2/NDF:56.7/21

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

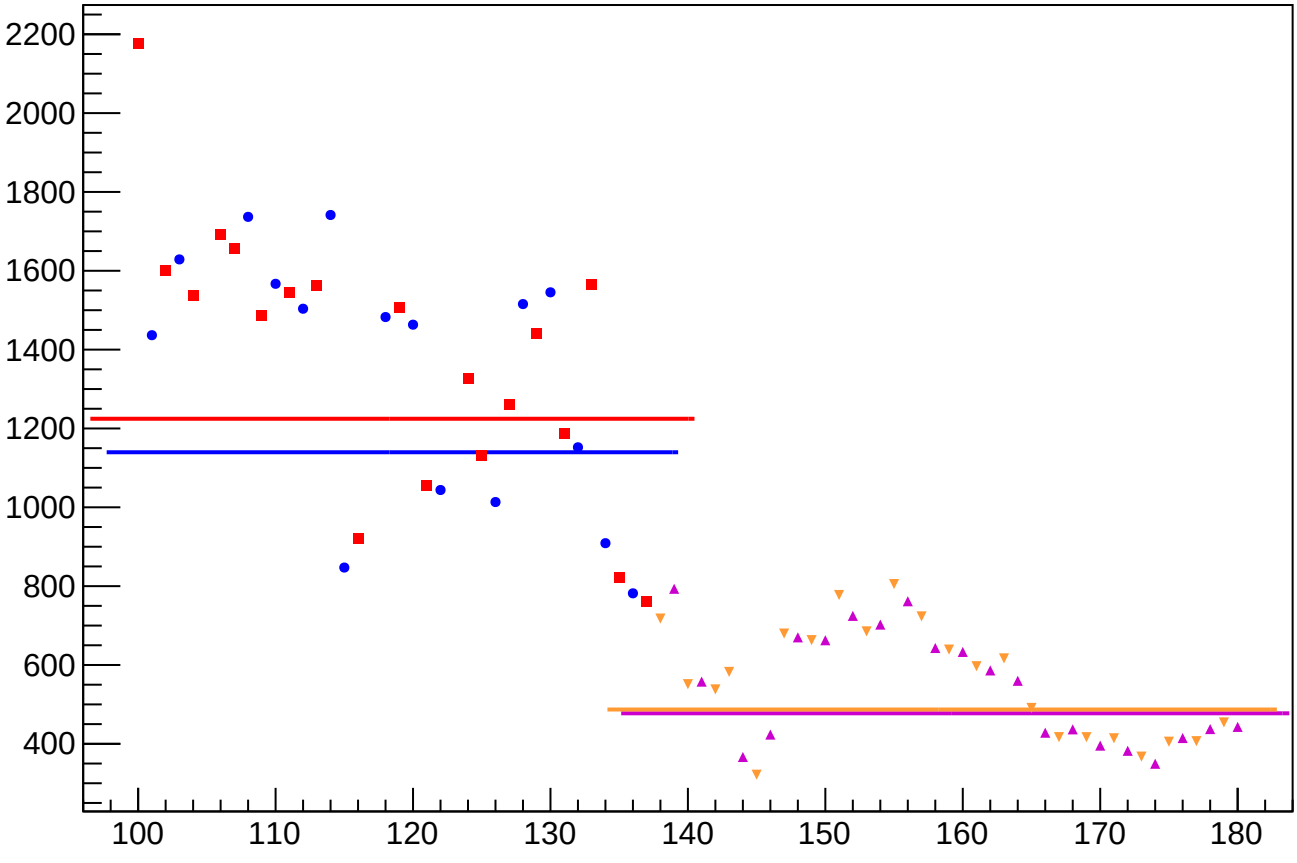
Left In: -99.145+/-119.441 χ^2/NDF:27.6/20

+ sign -513.071+/-116.733 χ^2/NDF: 76.1/37

All: -322.105+/-82.160 χ^2/NDF: 123.9/77

- sign -134.642+/-115.658 χ^2/NDF: 42.4/39

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 487.049+/-0.086 χ^2/NDF:2380957.7/21

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

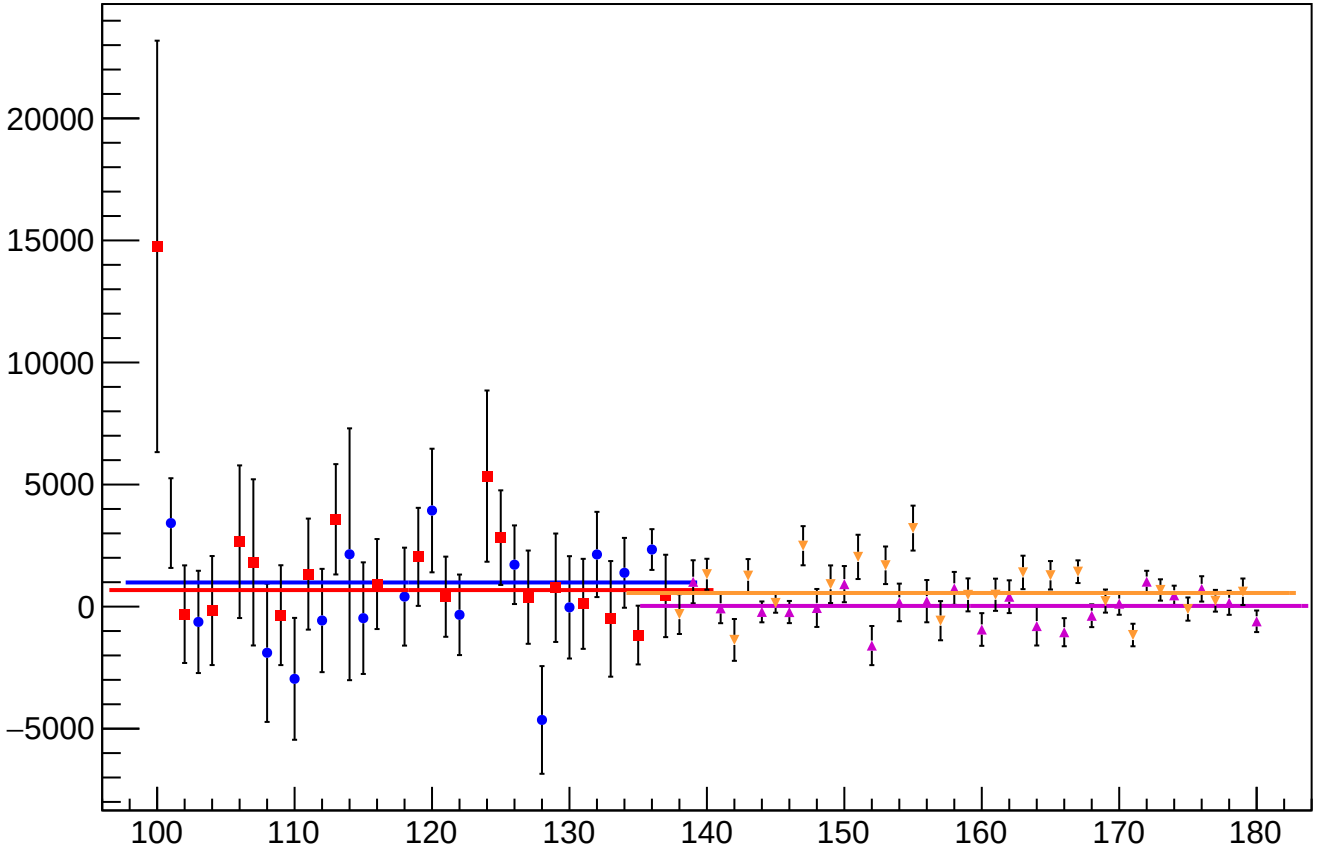
Left In: 477.437+/-0.084 χ^2/NDF:2150456.7/20

+ sign 532.419+/-0.083 χ^2/NDF: 7518014.0/37

All: 528.181+/-0.058 χ^2/NDF: 15475695.9/77

- 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: 558.669+/-124.888 χ^2/NDF:54.5/21

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

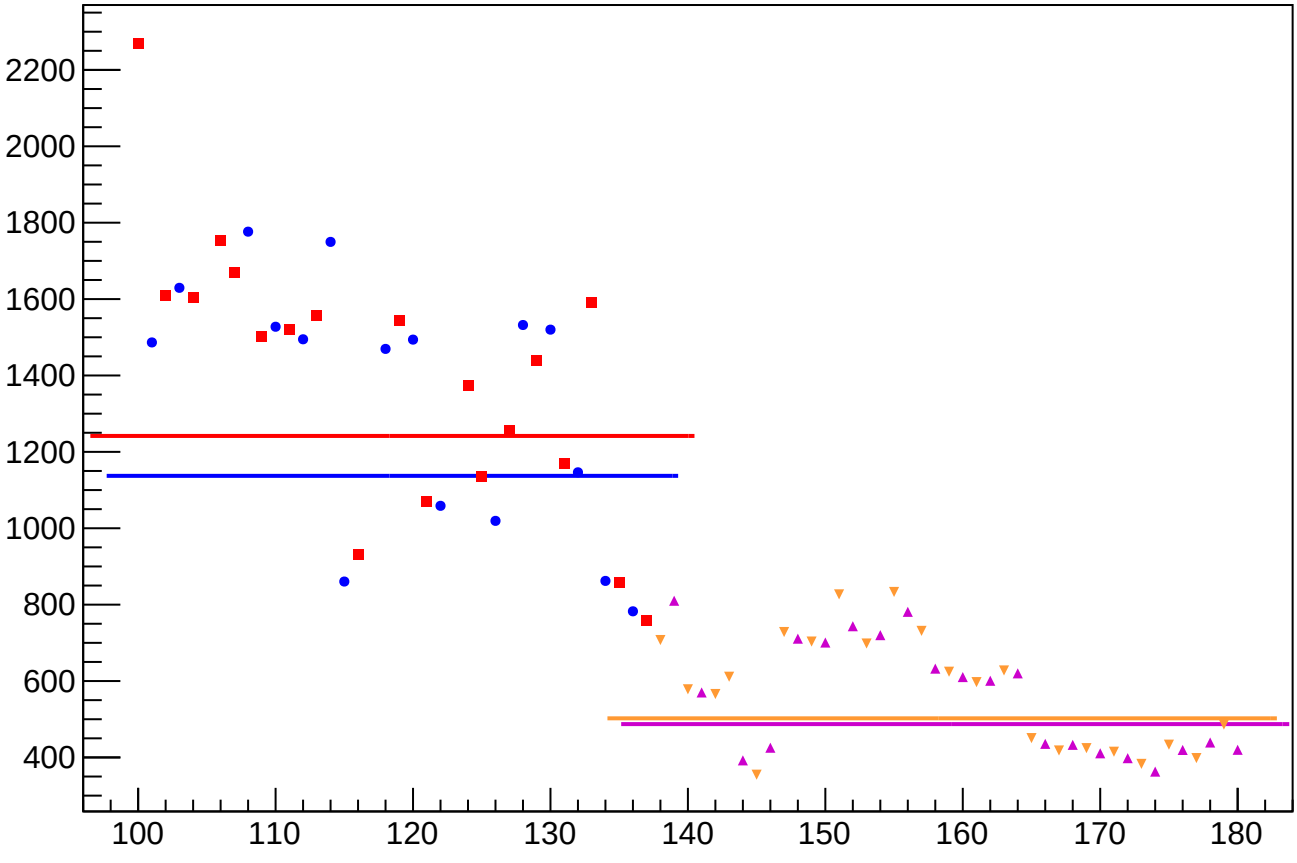
Left In: 28.410+/-121.781 χ^2/NDF:26.6/20

+ sign 590.424+/-120.195 χ^2/NDF: 74.4/37

All: 324.807+/-84.161 χ^2/NDF: 124.3/77

- 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: 502.373+/-0.088 χ^2/NDF:2275187.8/21

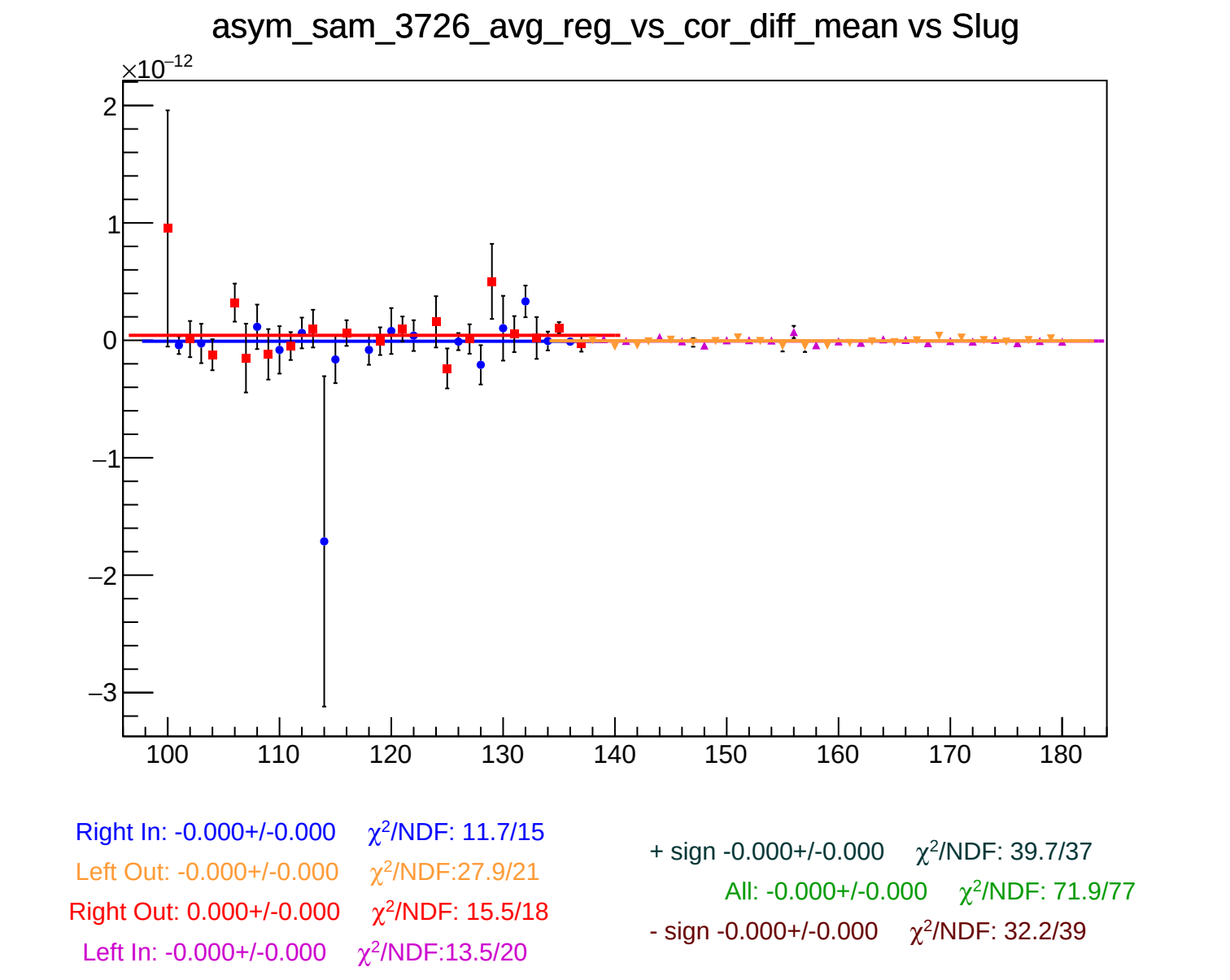
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 487.269+/-0.086 χ^2/NDF:2141450.8/20

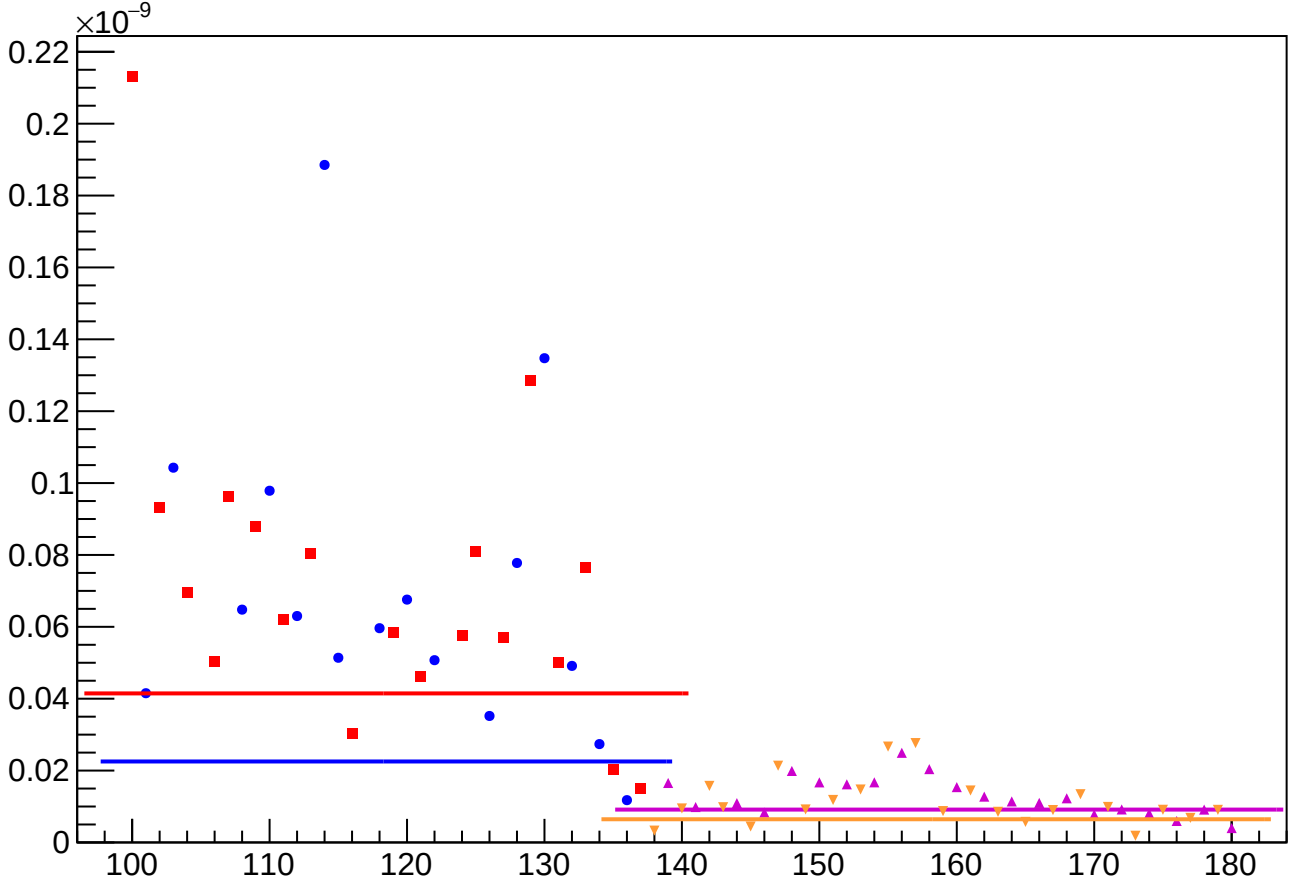
+ sign 549.184+/-0.085 χ^2/NDF: 7209643.7/37

All: 541.852+/-0.060 χ^2/NDF: 15100894.3/77

- sign 534.800+/-0.083 χ^2/NDF: 7876650.0/39


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.7/15
Left Out: -0.000+/-0.000 χ²/NDF:27.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 15.5/18
Left In: -0.000+/-0.000 χ²/NDF:13.5/20
+ sign -0.000+/-0.000 χ²/NDF: 39.7/37
All: -0.000+/-0.000 χ²/NDF: 71.9/77
- sign -0.000+/-0.000 χ²/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:3713727.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

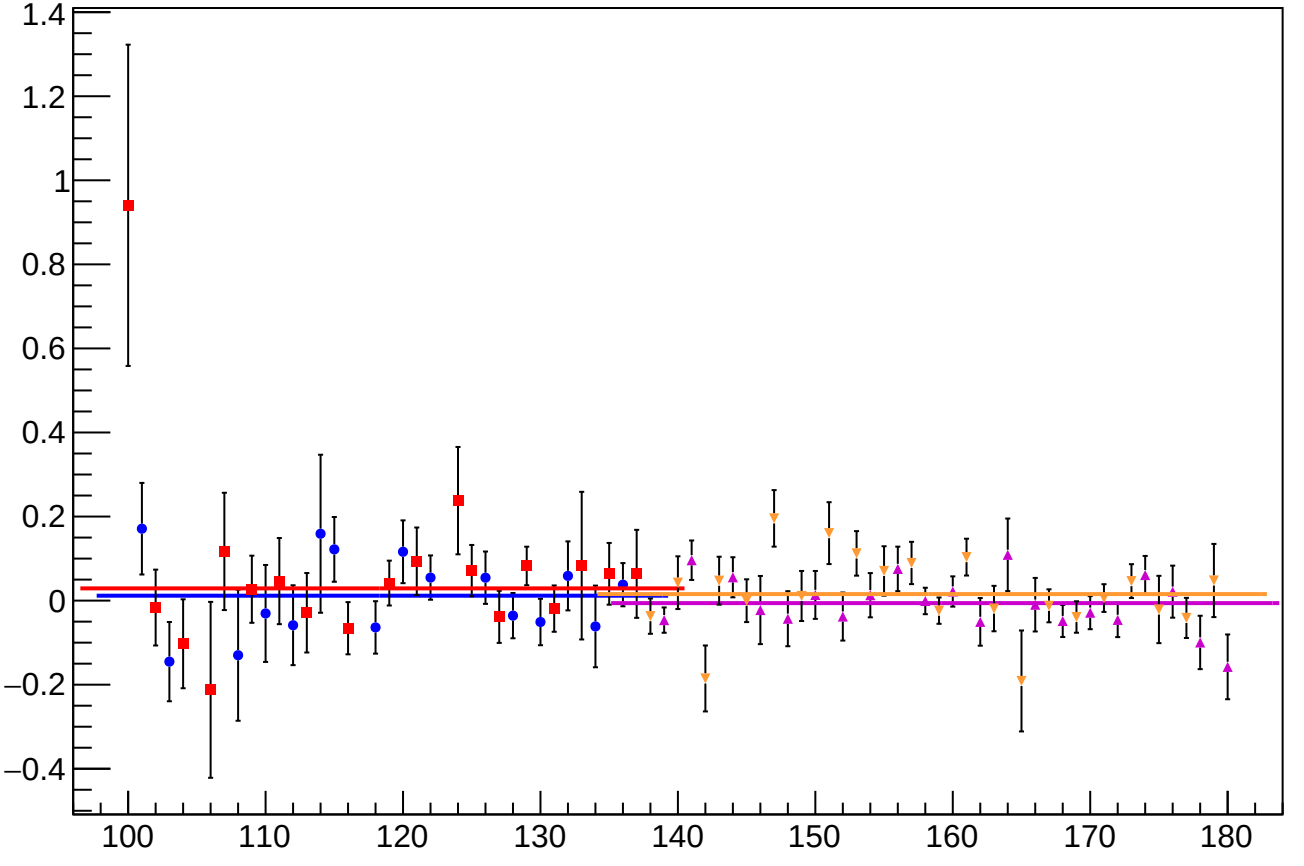
Left In: 0.000+/-0.000 χ^2/NDF:2215303.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 8226048.6/37

All: 0.000+/-0.000 χ^2/NDF: 15699905.1/77

- 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: 0.016+/-0.011 χ^2/NDF:40.2/21

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

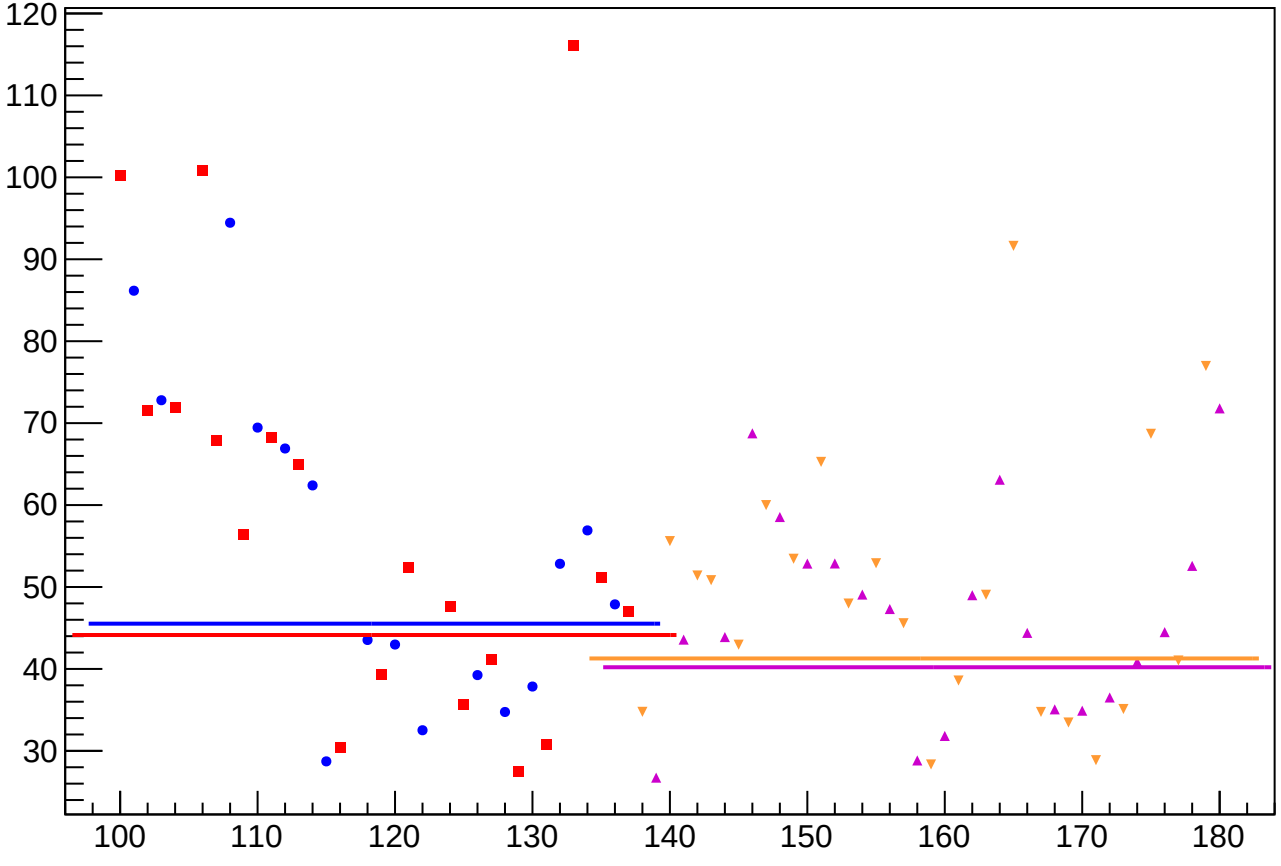
Left In: -0.006+/-0.010 χ^2/NDF:25.4/20

+ sign 0.015+/-0.009 χ^2/NDF: 57.1/37

All: 0.009+/-0.006 χ^2/NDF: 105.7/77

- 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: 41.279+/-0.007 χ^2/NDF:2605693.2/21

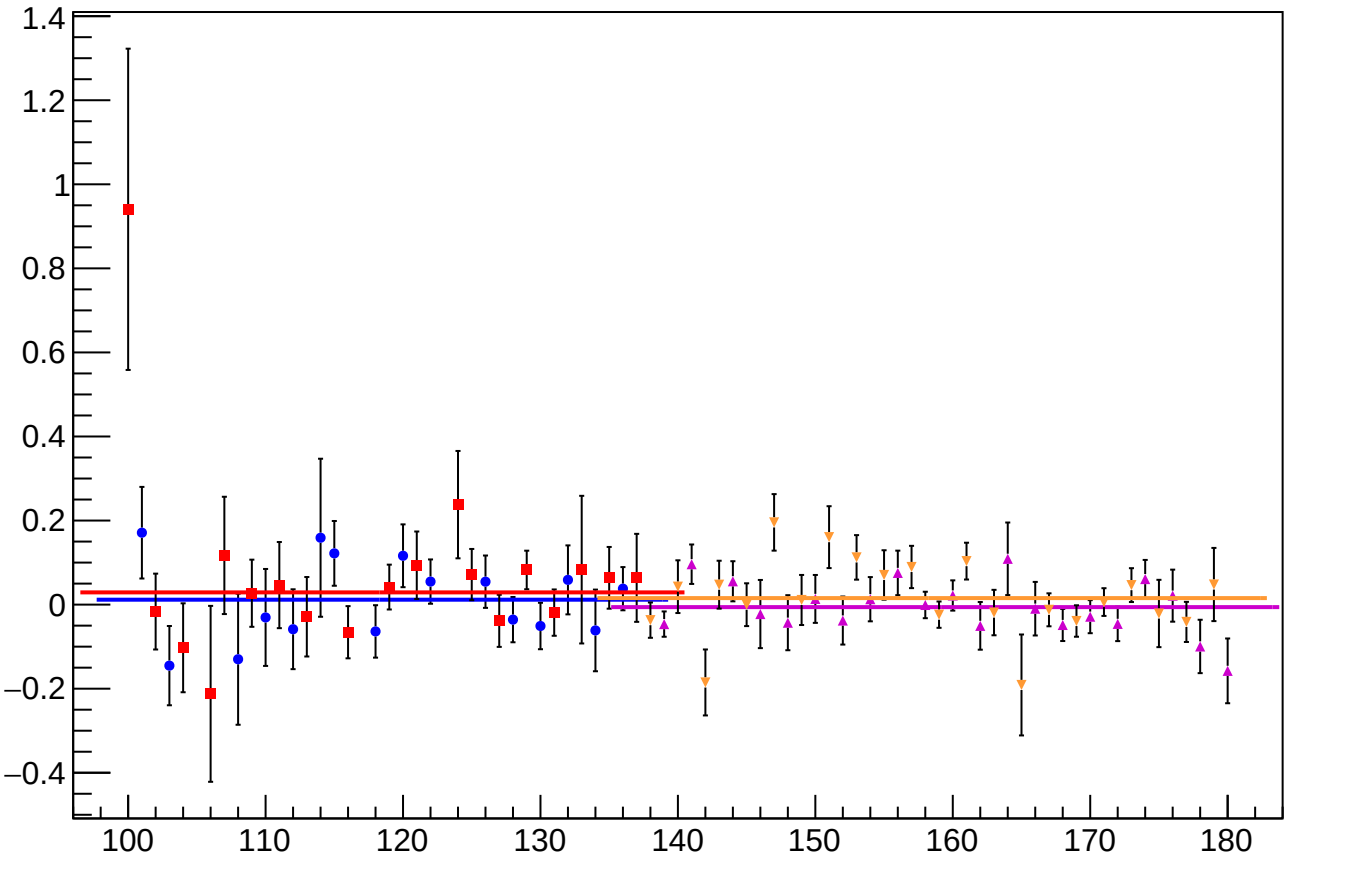
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

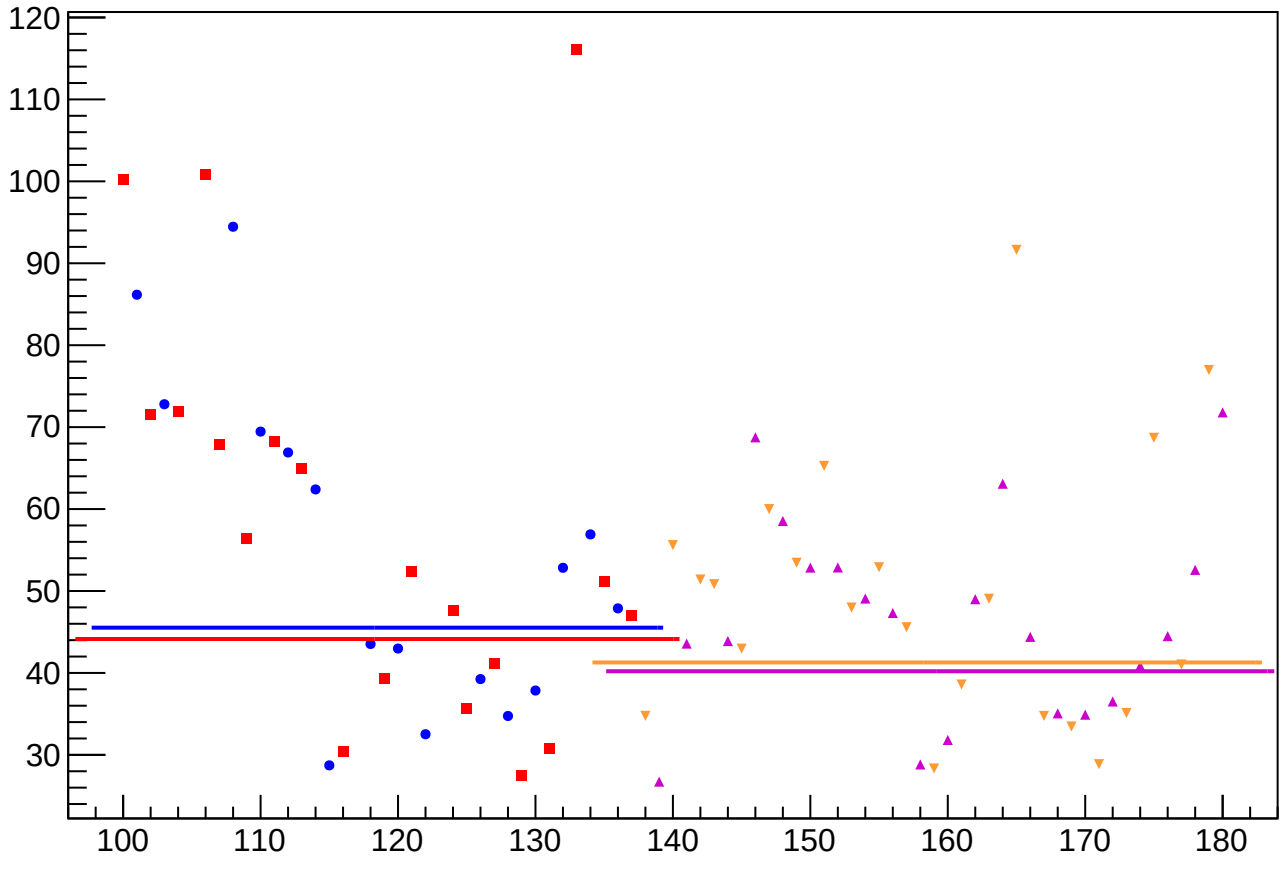
Left In: 40.206+/-0.007 χ^2/NDF:2195239.2/20

+ sign 42.337+/-0.006 χ^2/NDF: 3940333.0/37

All: 41.757+/-0.005 χ^2/NDF: 7967209.5/77

- 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: 0.016+/-0.011 χ²/NDF:40.2/21
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: 57.1/37
All: 0.009+/-0.006 χ²/NDF: 105.7/77
- sign 0.003+/-0.009 χ²/NDF: 47.8/39



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 41.279+/-0.007 χ^2/NDF:2605693.2/21

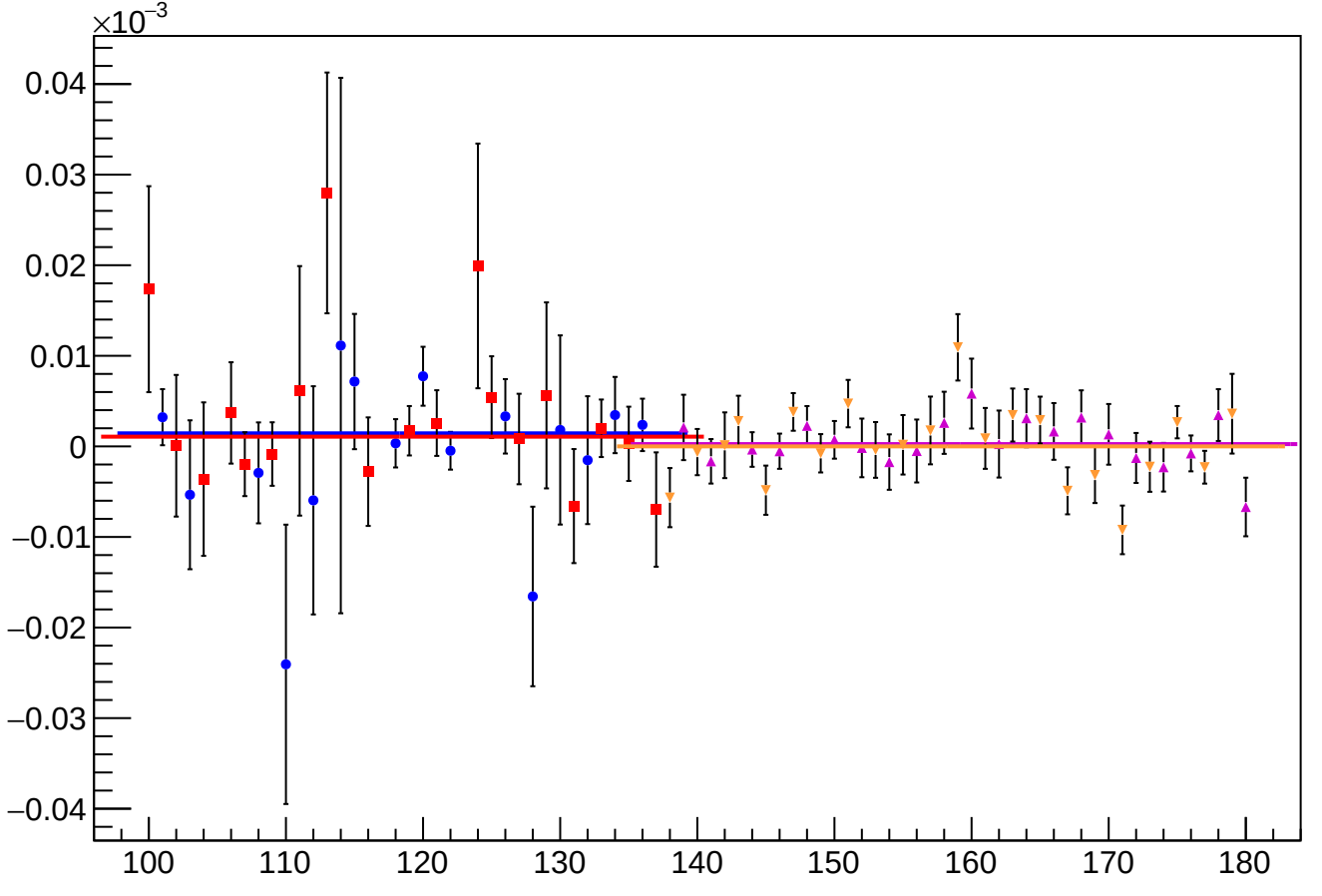
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.206+/-0.007 χ^2/NDF:2195239.2/20

+ sign 42.337+/-0.006 χ^2/NDF: 3940333.0/37

All: 41.757+/-0.005 χ^2/NDF: 7967209.5/77

- sign 41.198+/-0.006 χ^2/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:47.4/21

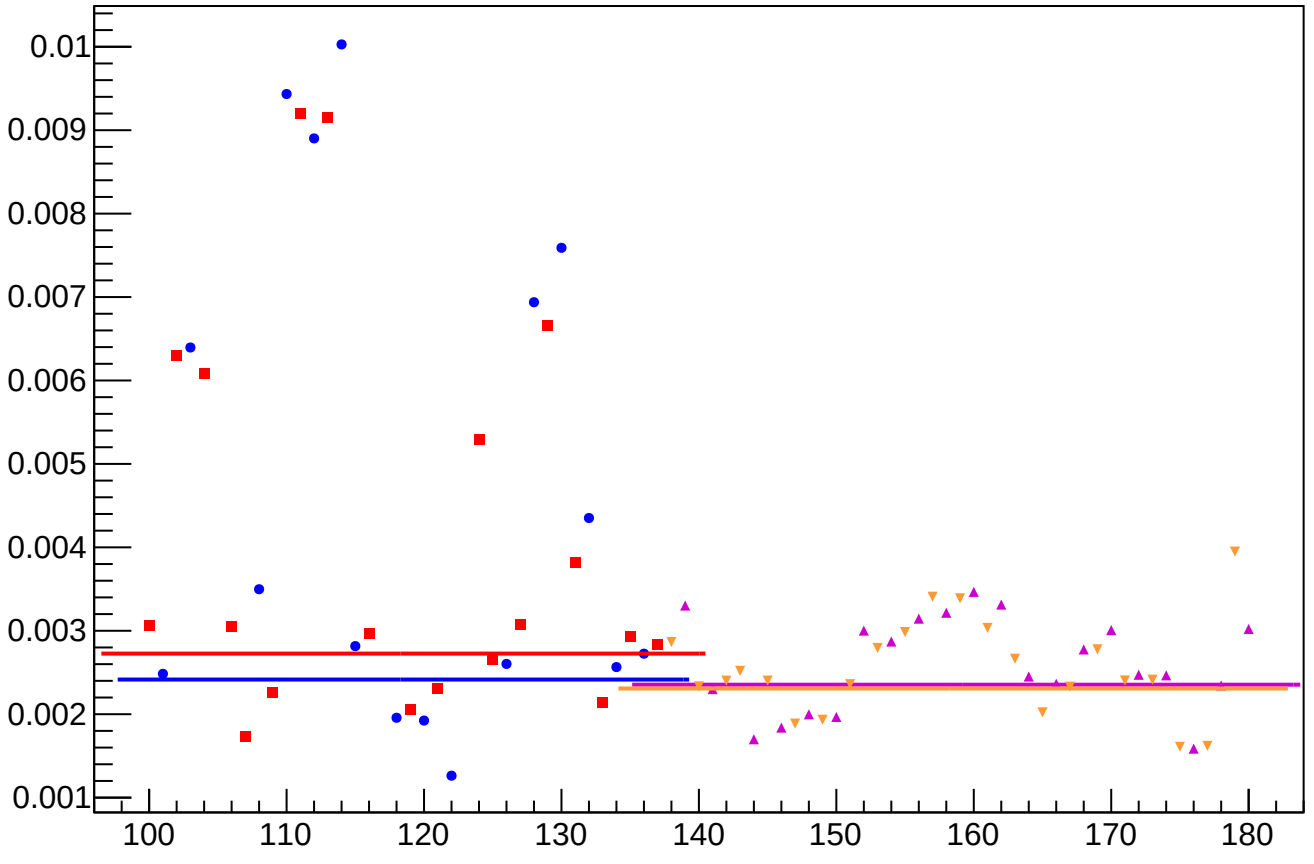
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 63.1/37

All: 0.000+/-0.000 χ^2/NDF: 92.8/77

- 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:1774253.4/21

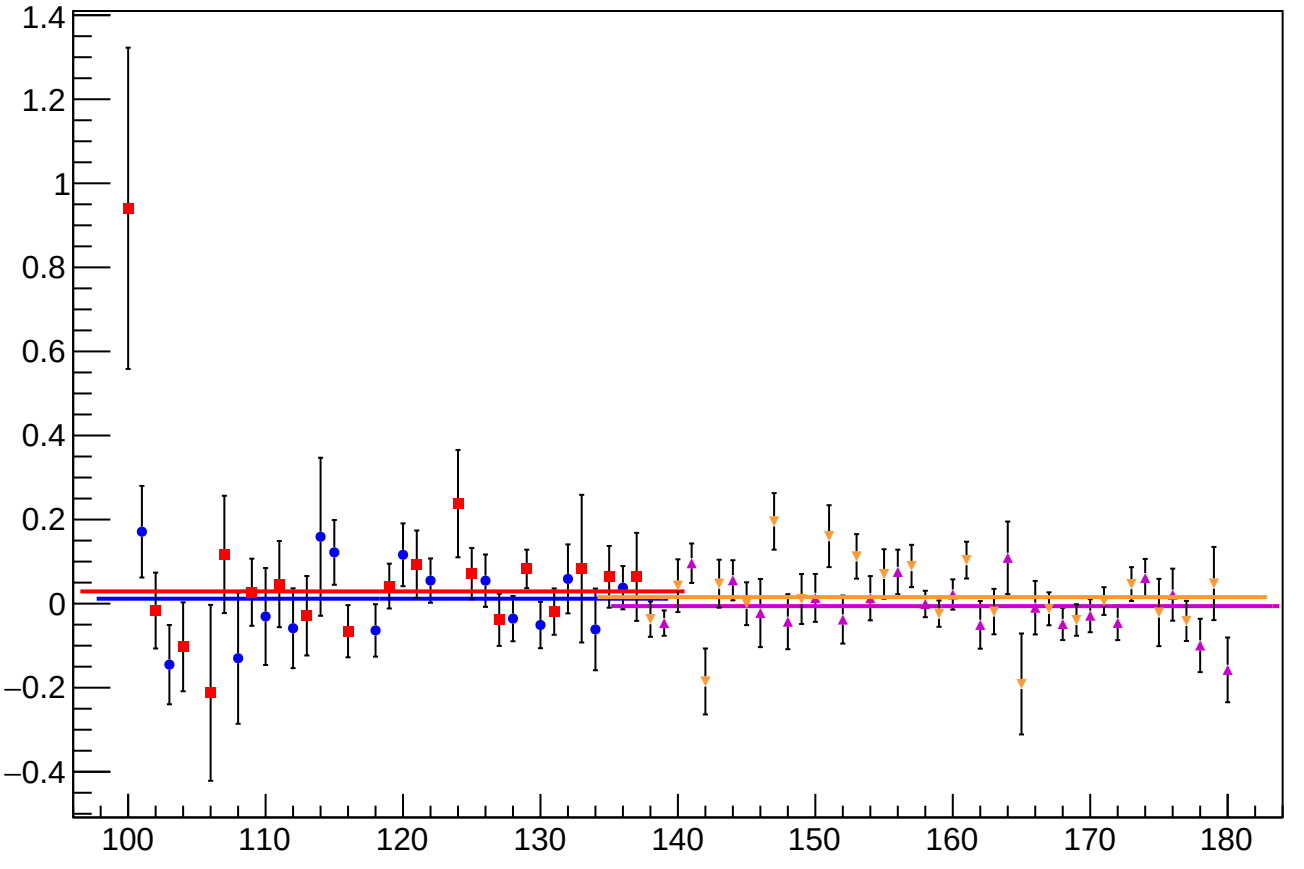
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1814837.3/20

+ sign 0.002+/-0.000 χ^2/NDF: 5222743.7/37

All: 0.002+/-0.000 χ^2/NDF: 9755304.3/77

- sign 0.002+/-0.000 χ^2/NDF: 4493029.5/39



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

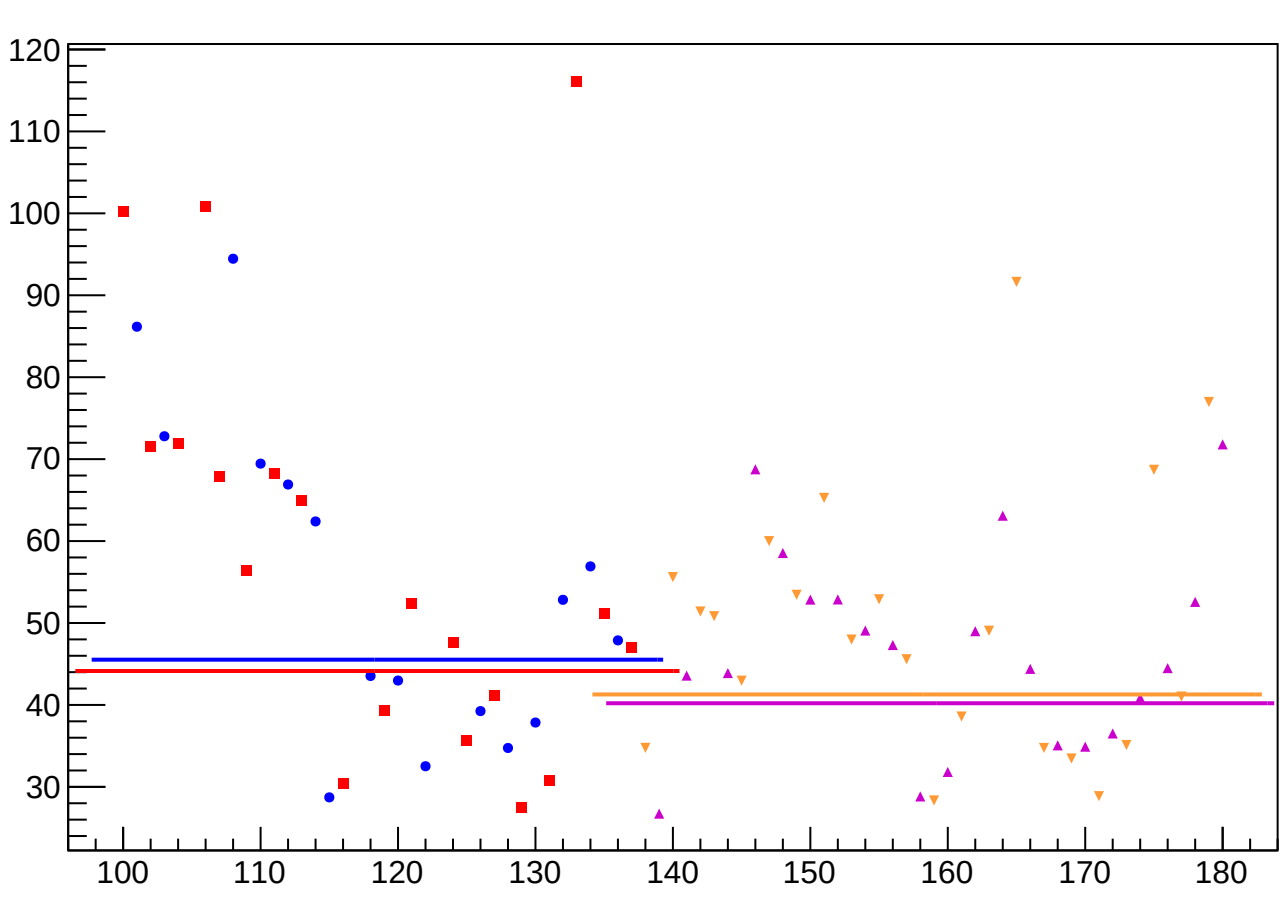
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.010 χ^2/NDF:25.4/20

+ sign 0.015+/-0.009 χ^2/NDF: 57.1/37

All: 0.009+/-0.006 χ^2/NDF: 105.7/77

- 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: 41.280+/-0.007 χ^2/NDF:2605732.5/21

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

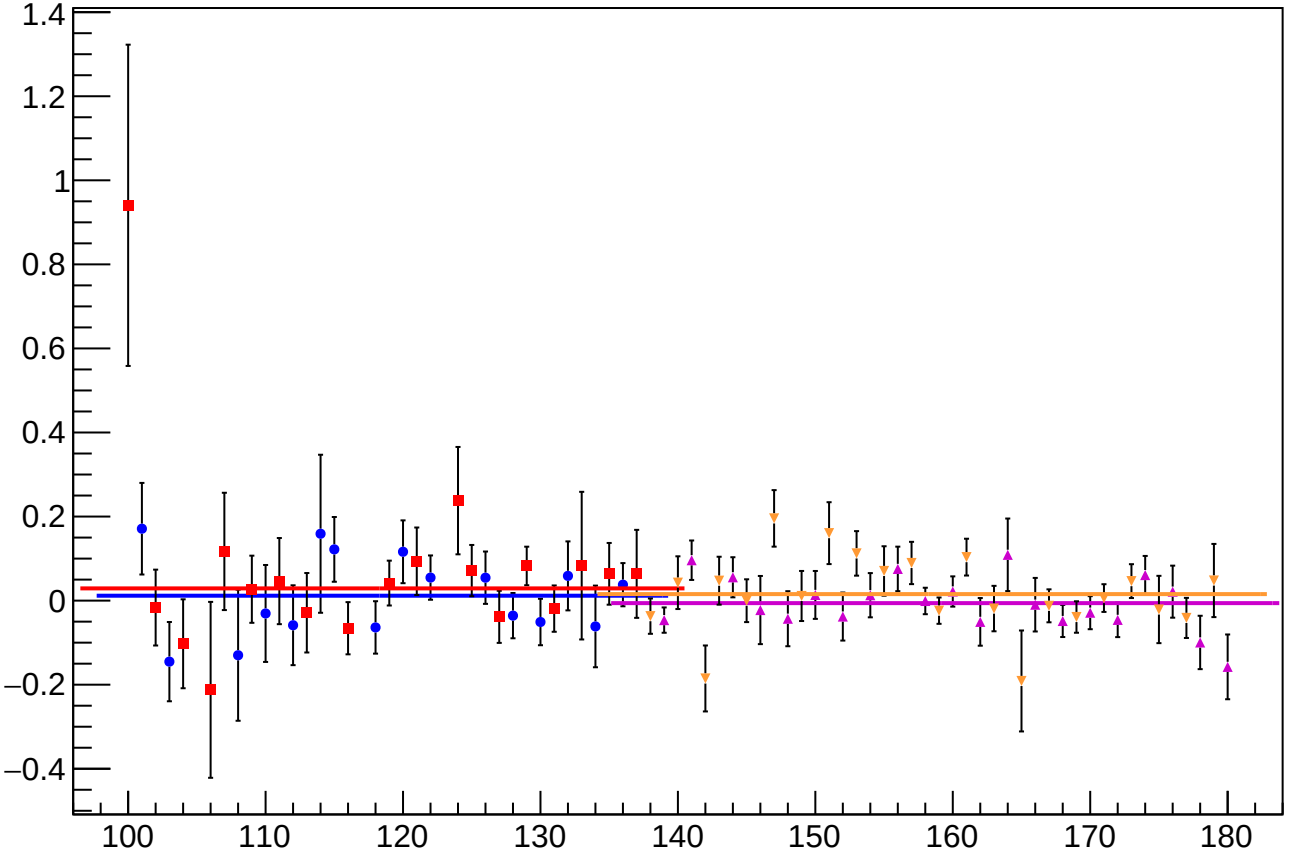
Left In: 40.206+/-0.007 χ^2/NDF:2195267.7/20

+ sign 42.337+/-0.006 χ^2/NDF: 3940316.3/37

All: 41.758+/-0.005 χ^2/NDF: 7967138.1/77

- 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: 0.016+/-0.011 χ^2/NDF:40.2/21

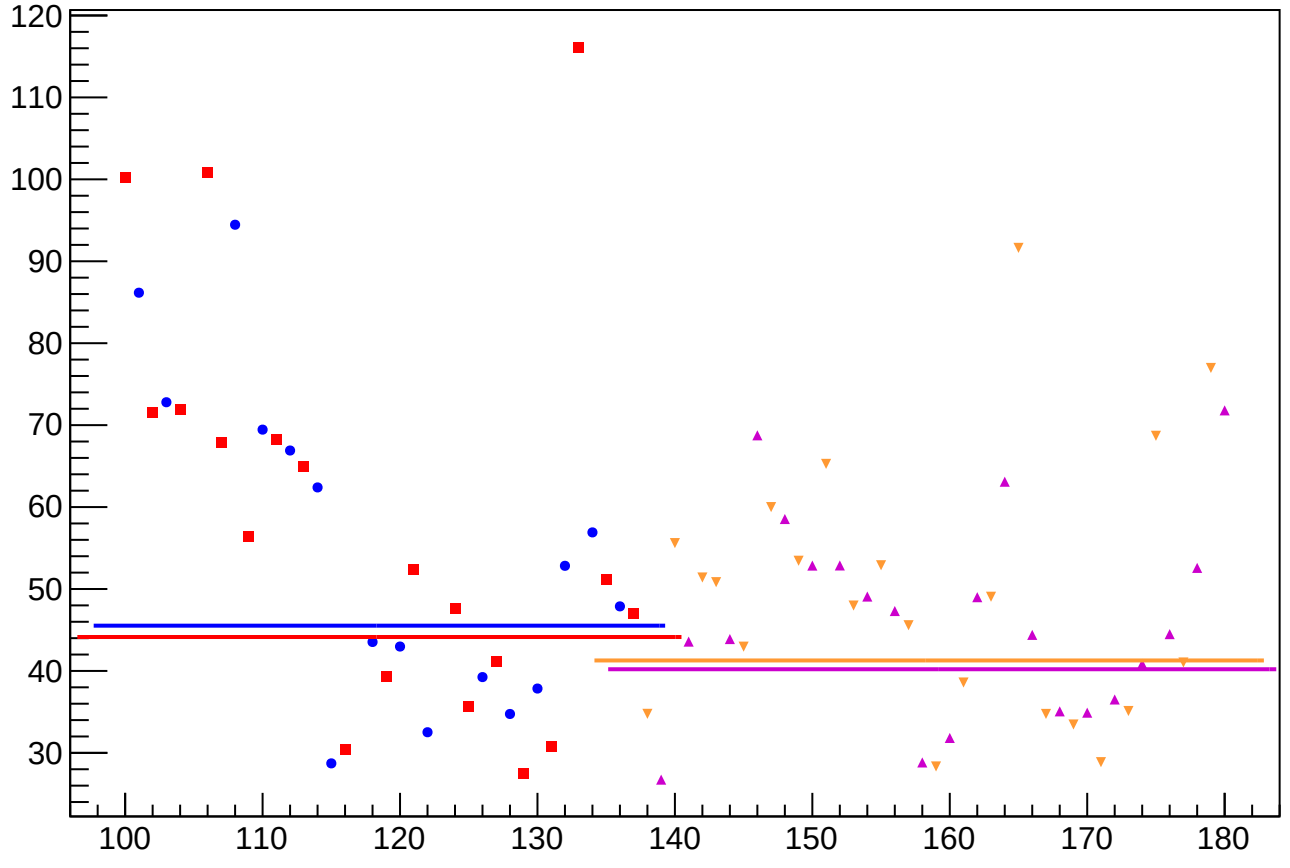
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.010 χ^2/NDF:25.4/20

+ sign 0.015+/-0.009 χ^2/NDF: 57.1/37

All: 0.009+/-0.006 χ^2/NDF: 105.7/77

- 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: 41.280+/-0.007 χ^2/NDF:2605732.5/21

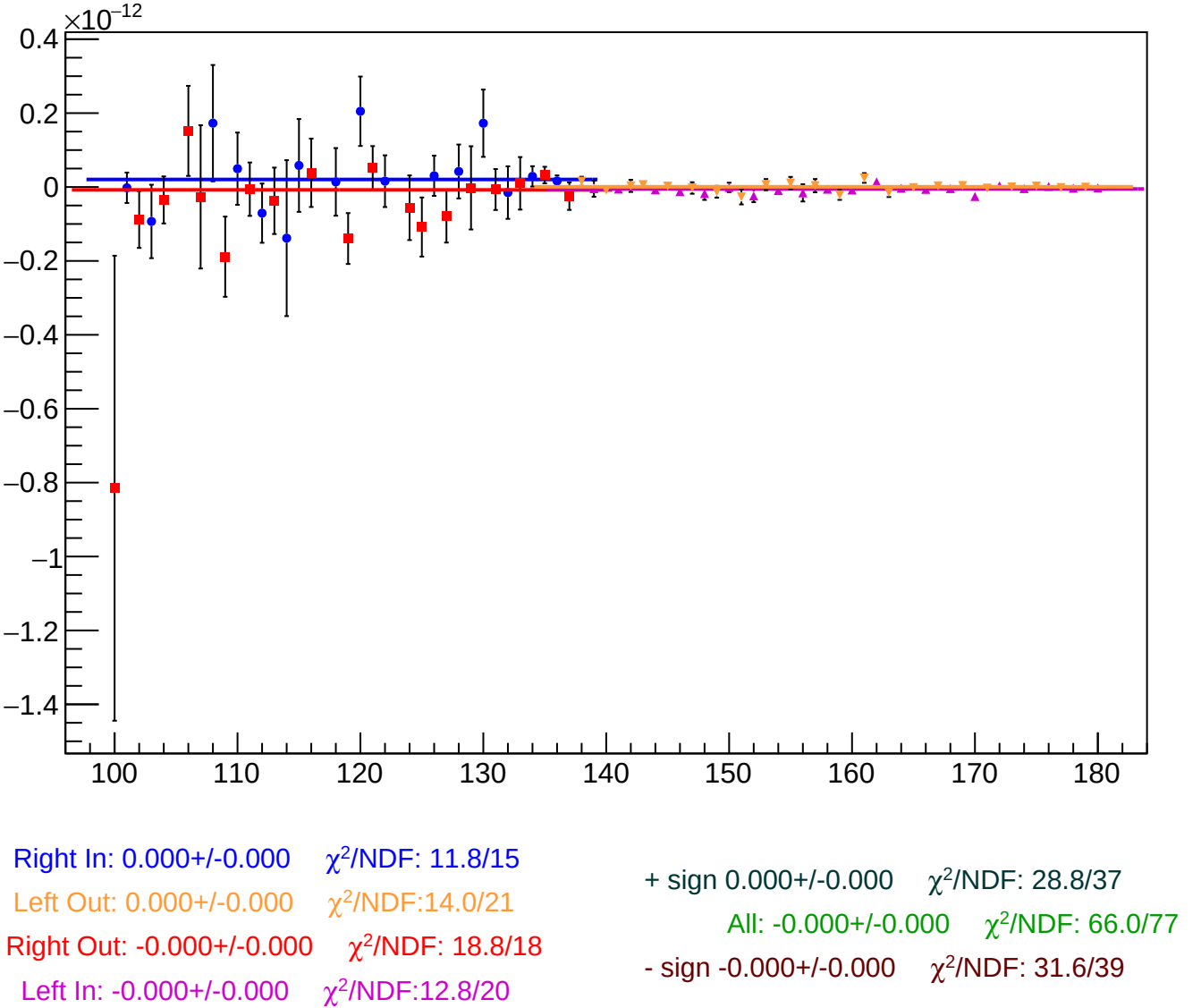
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

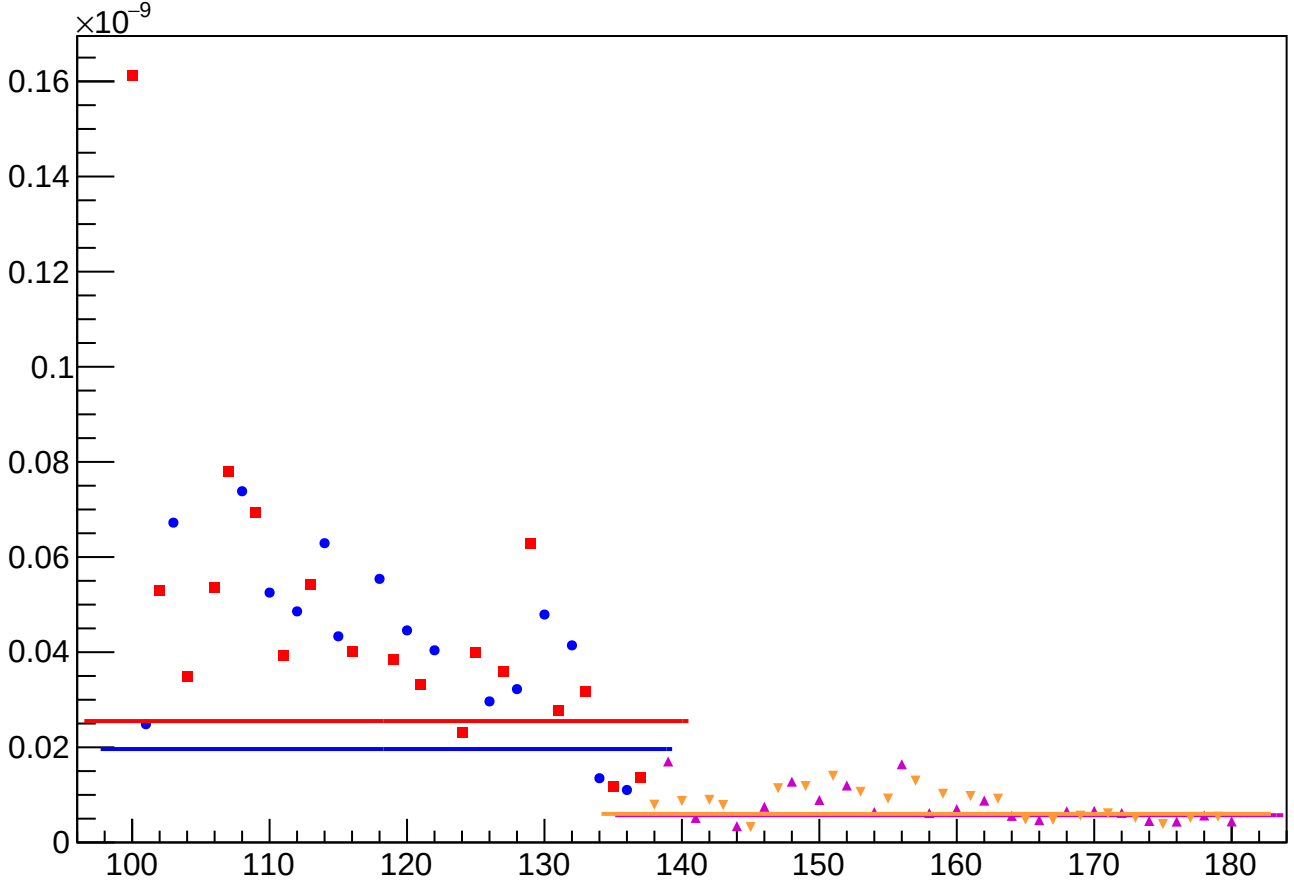
Left In: 40.206+/-0.007 χ^2/NDF:2195267.7/20

+ sign 42.337+/-0.006 χ^2/NDF: 3940316.3/37

All: 41.758+/-0.005 χ^2/NDF: 7967138.1/77

- sign 41.199+/-0.006 χ^2/NDF: 4011041.7/39


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:14.0/21
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/18
Left In: -0.000+/-0.000 χ²/NDF:12.8/20
+ sign 0.000+/-0.000 χ²/NDF: 28.8/37
All: -0.000+/-0.000 χ²/NDF: 66.0/77
- sign -0.000+/-0.000 χ²/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:3133109.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

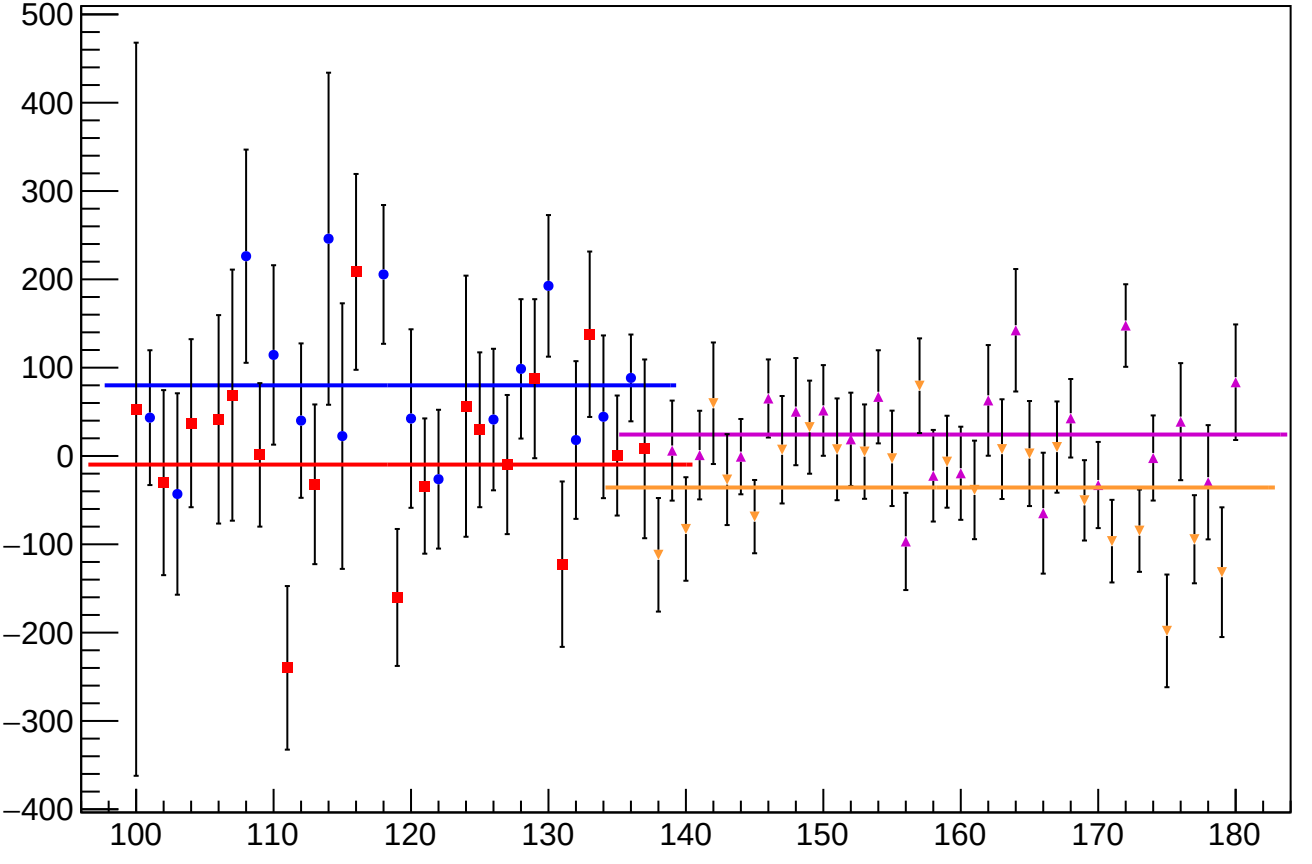
Left In: 0.000+/-0.000 χ^2/NDF:2567823.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 9255841.4/37

All: 0.000+/-0.000 χ^2/NDF: 18648153.9/77

- 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: -35.674+/-11.494 χ^2/NDF:27.5/21

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

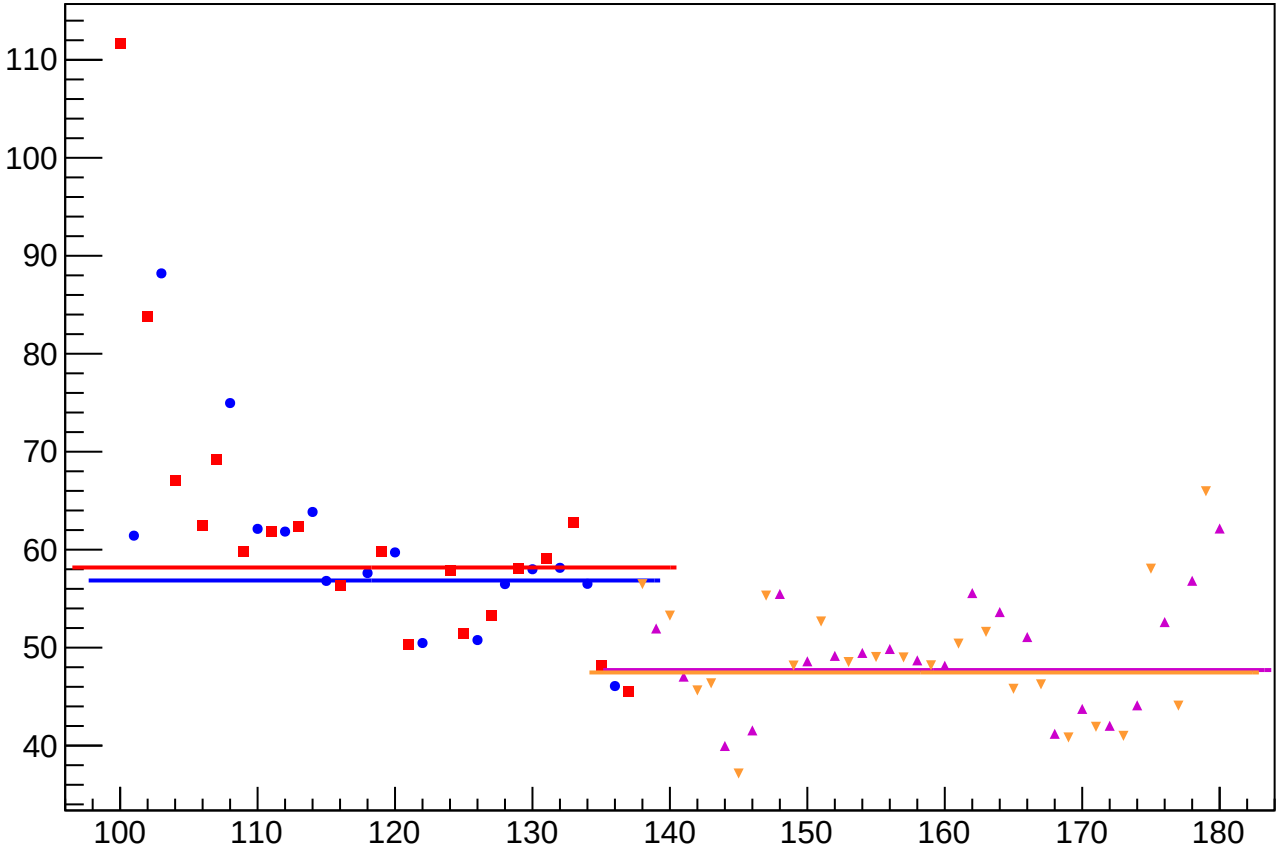
Left In: 24.280+/-11.631 χ^2/NDF:24.3/20

+ sign -9.918+/-10.133 χ^2/NDF: 61.6/37

All: 3.221+/-7.204 χ^2/NDF: 111.6/77

- 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: 47.465+/-0.008 χ^2/NDF:558729.4/21

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

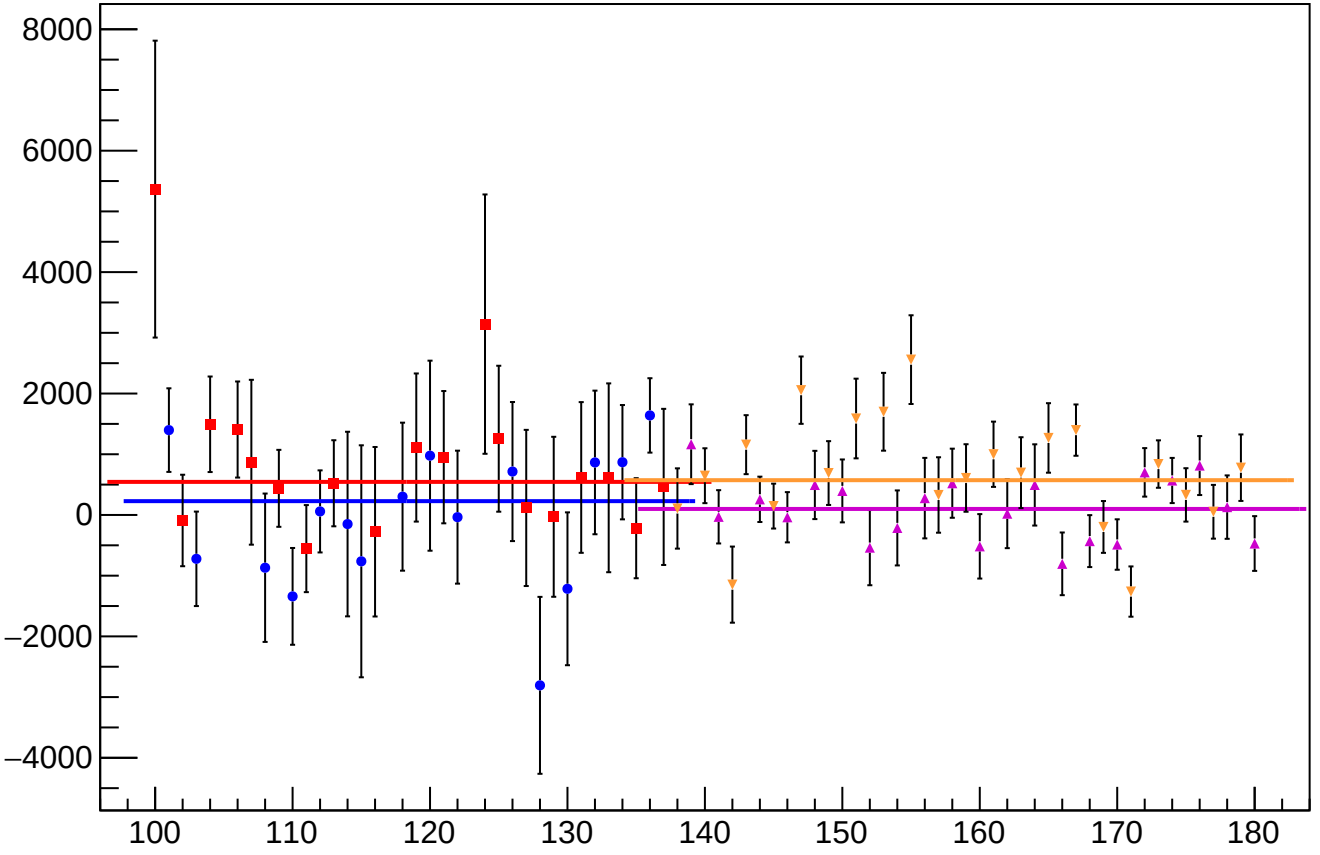
Left In: 47.711+/-0.008 χ^2/NDF:453329.7/20

+ sign 49.556+/-0.007 χ^2/NDF: 1197543.0/37

All: 49.806+/-0.005 χ^2/NDF: 2331848.0/77

- 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: 572.807+/-107.135 χ^2/NDF:62.2/21

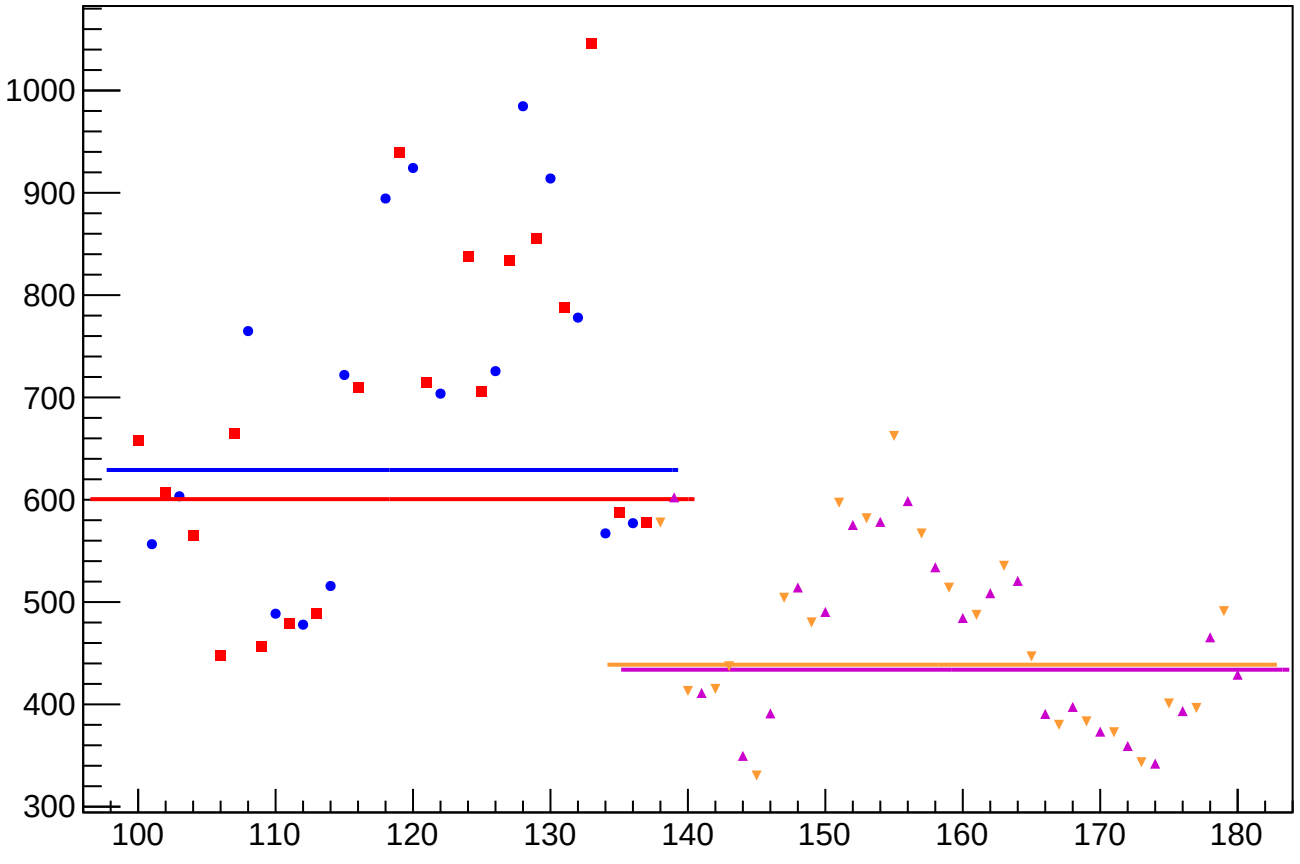
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 99.066+/-106.483 χ^2/NDF:21.7/20

\+ sign 515.918+/-97.913 χ^2/NDF: 85.6/37

All: 345.033+/-68.702 χ^2/NDF: 129.8/77

\- sign 179.311+/-96.422 χ^2/NDF: 38.2/39



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 438.790+/-0.076 χ^2/NDF:1200000.7/21

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

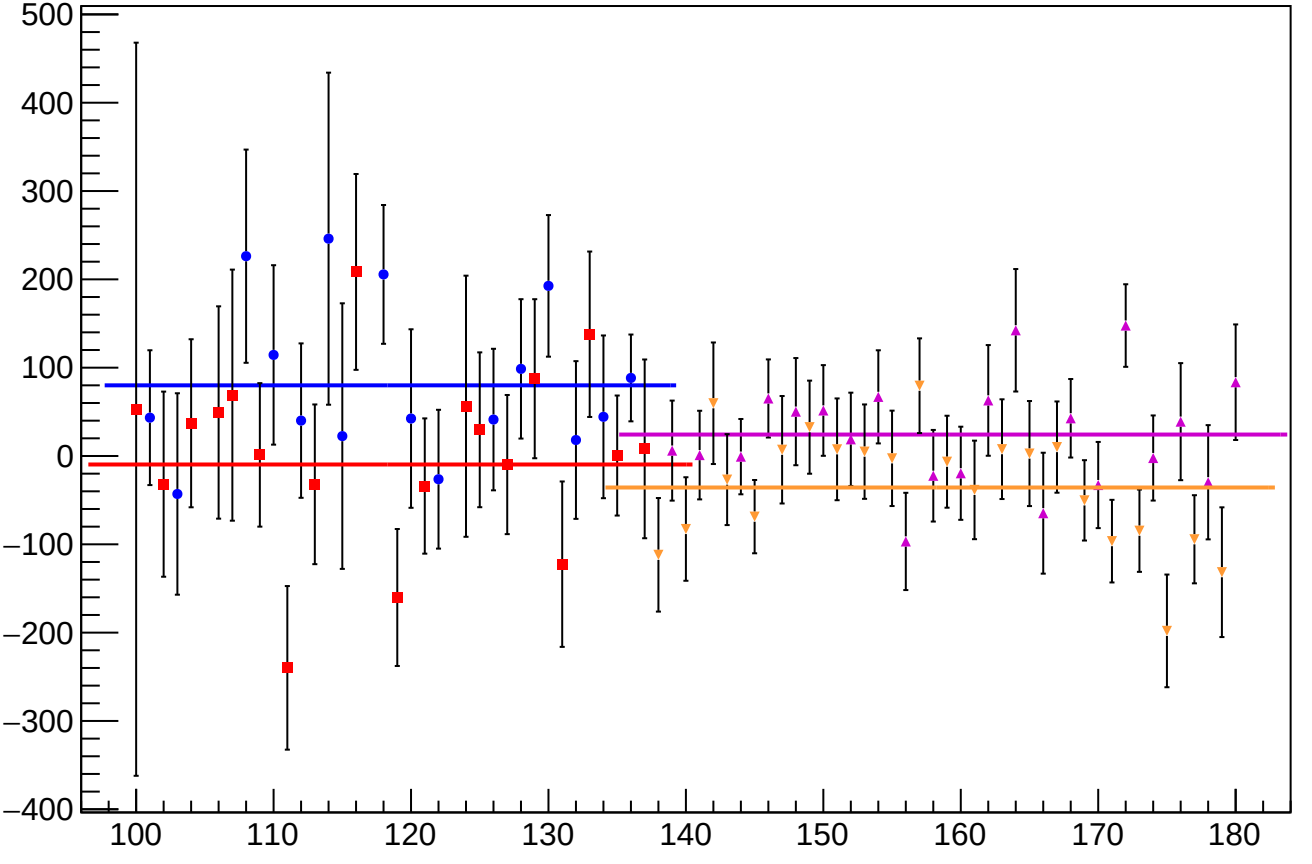
Left In: 433.891+/-0.075 χ^2/NDF:1093886.0/20

+ sign 470.143+/-0.069 χ^2/NDF: 2932419.5/37

All: 466.976+/-0.049 χ^2/NDF: 5787565.9/77

- 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: -35.677+/-11.494 χ^2/NDF:27.5/21

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

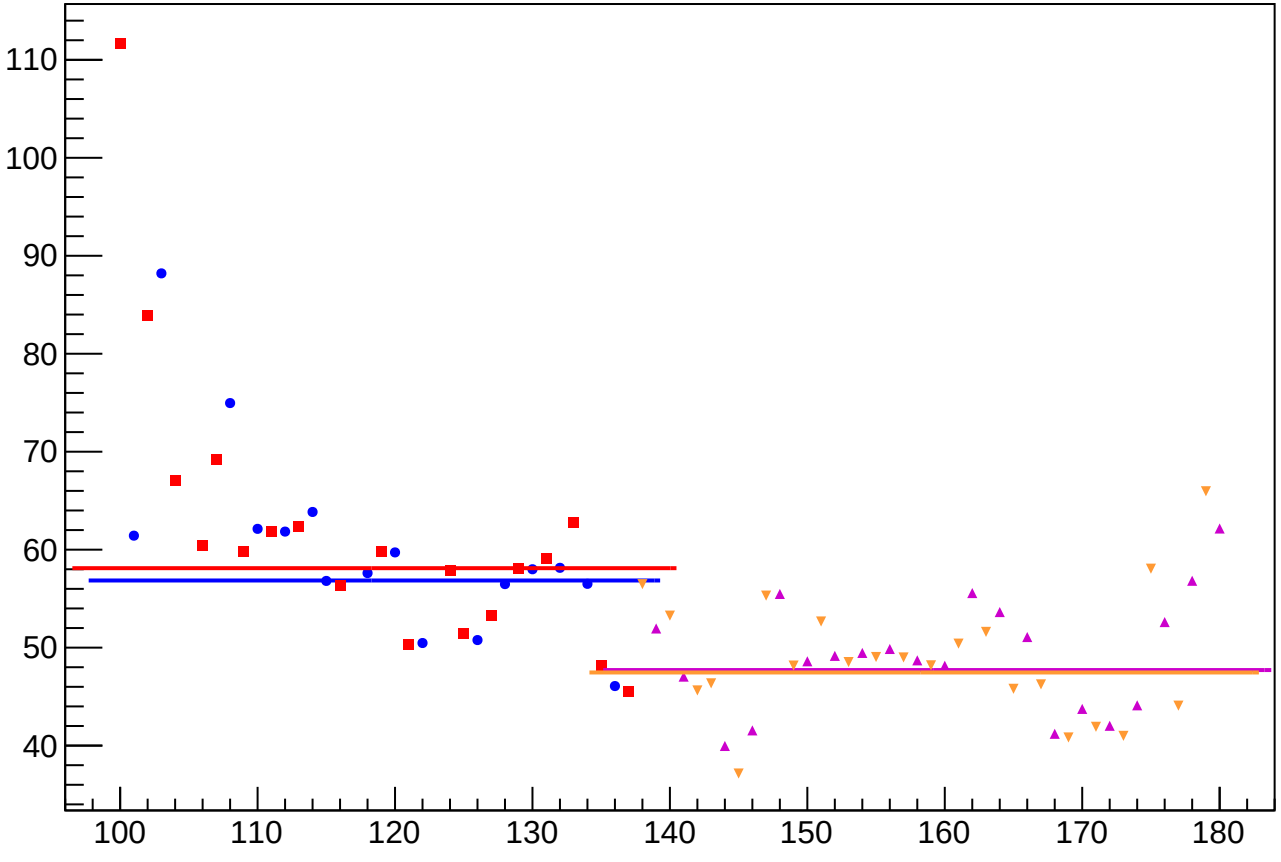
Left In: 24.281+/-11.631 χ^2/NDF:24.3/20

+ sign -9.920+/-10.133 χ^2/NDF: 61.6/37

All: 3.234+/-7.204 χ^2/NDF: 111.7/77

- 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: 47.465+/-0.008 χ^2/NDF:558729.4/21

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

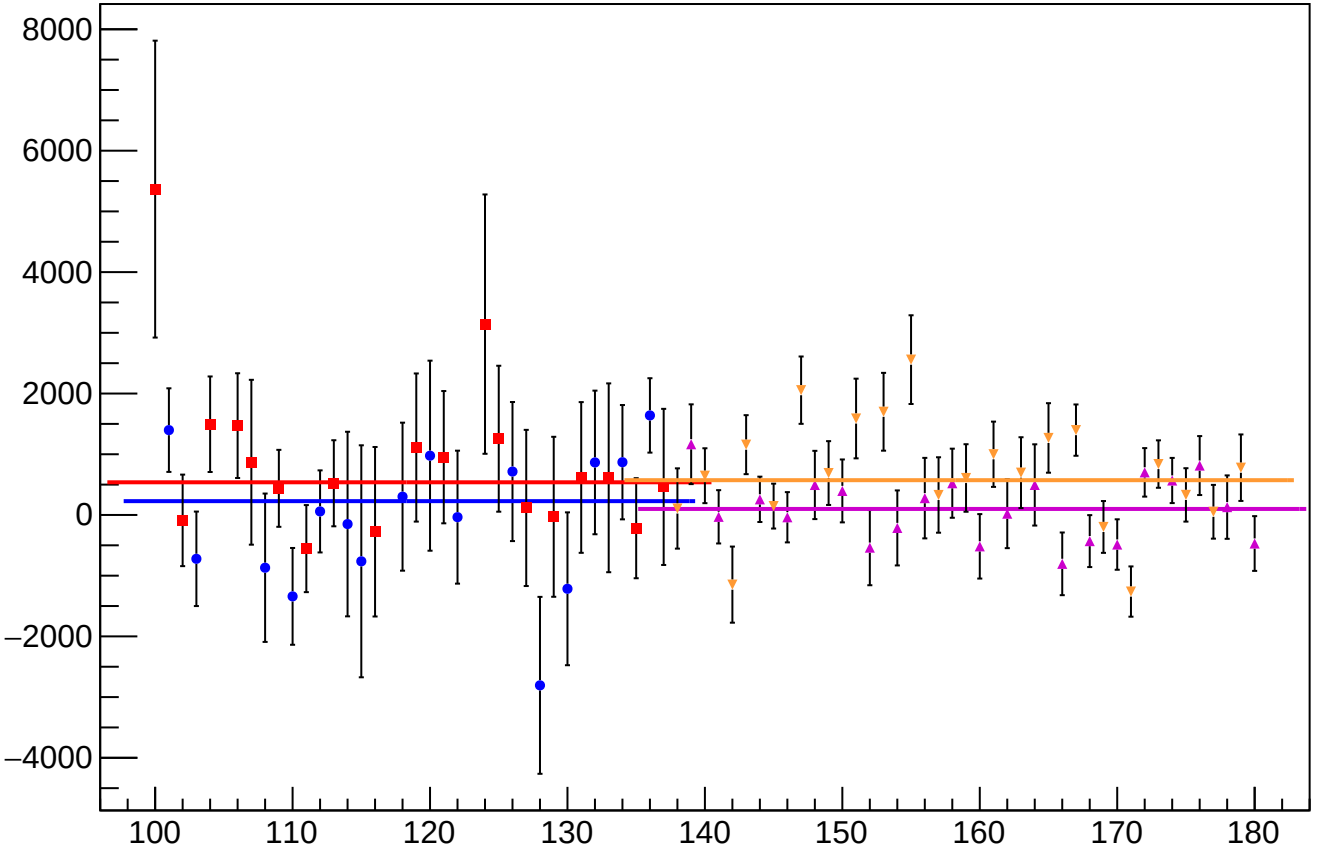
Left In: 47.711+/-0.008 χ^2/NDF:453329.7/20

+ sign 49.556+/-0.007 χ^2/NDF: 1197547.0/37

All: 49.797+/-0.005 χ^2/NDF: 2324707.2/77

- 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: 572.804+/-107.135 χ^2/NDF:62.2/21

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

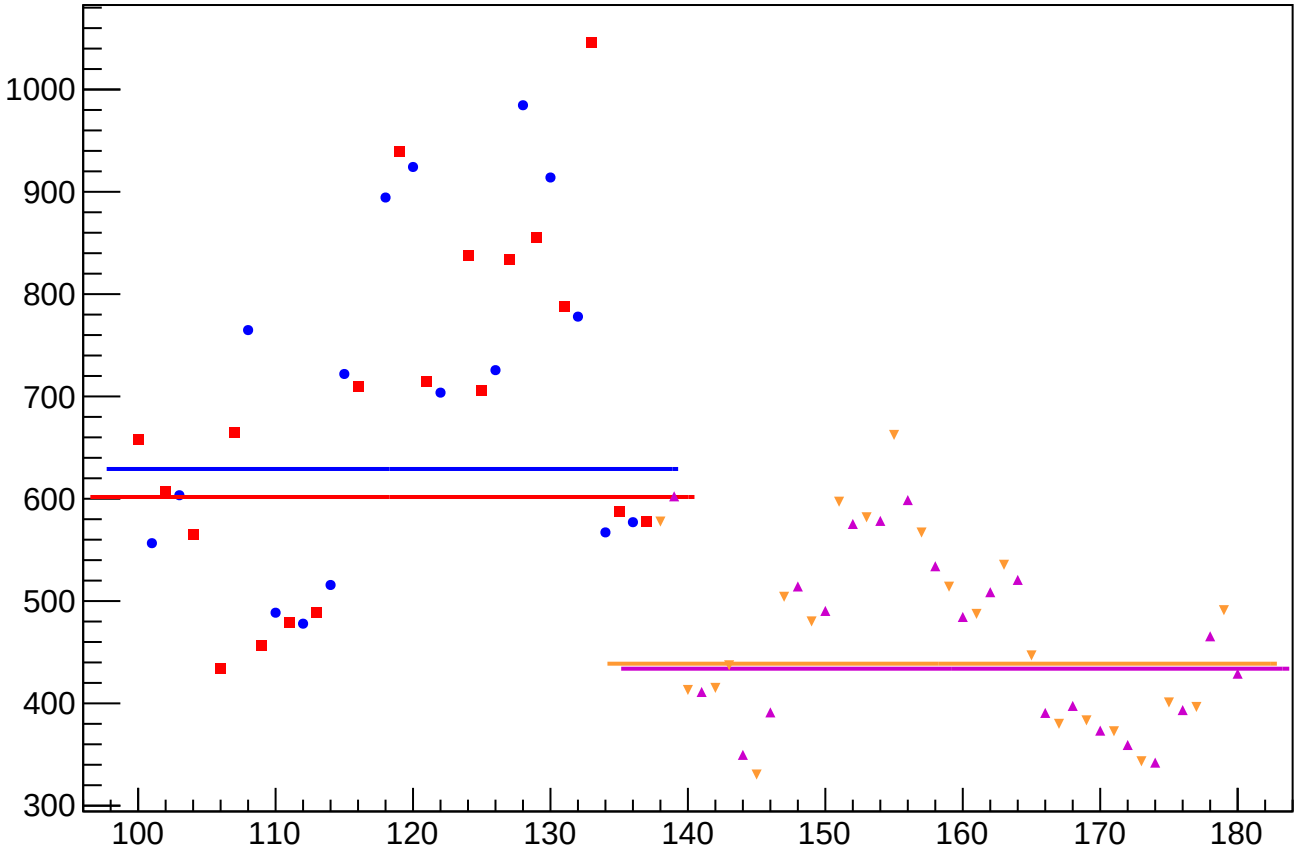
Left In: 99.069+/-106.483 χ^2/NDF:21.7/20

+ sign 515.922+/-97.913 χ^2/NDF: 85.6/37

All: 344.194+/-68.743 χ^2/NDF: 129.7/77

- 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: 438.790+/-0.076 χ^2/NDF:1200000.4/21

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

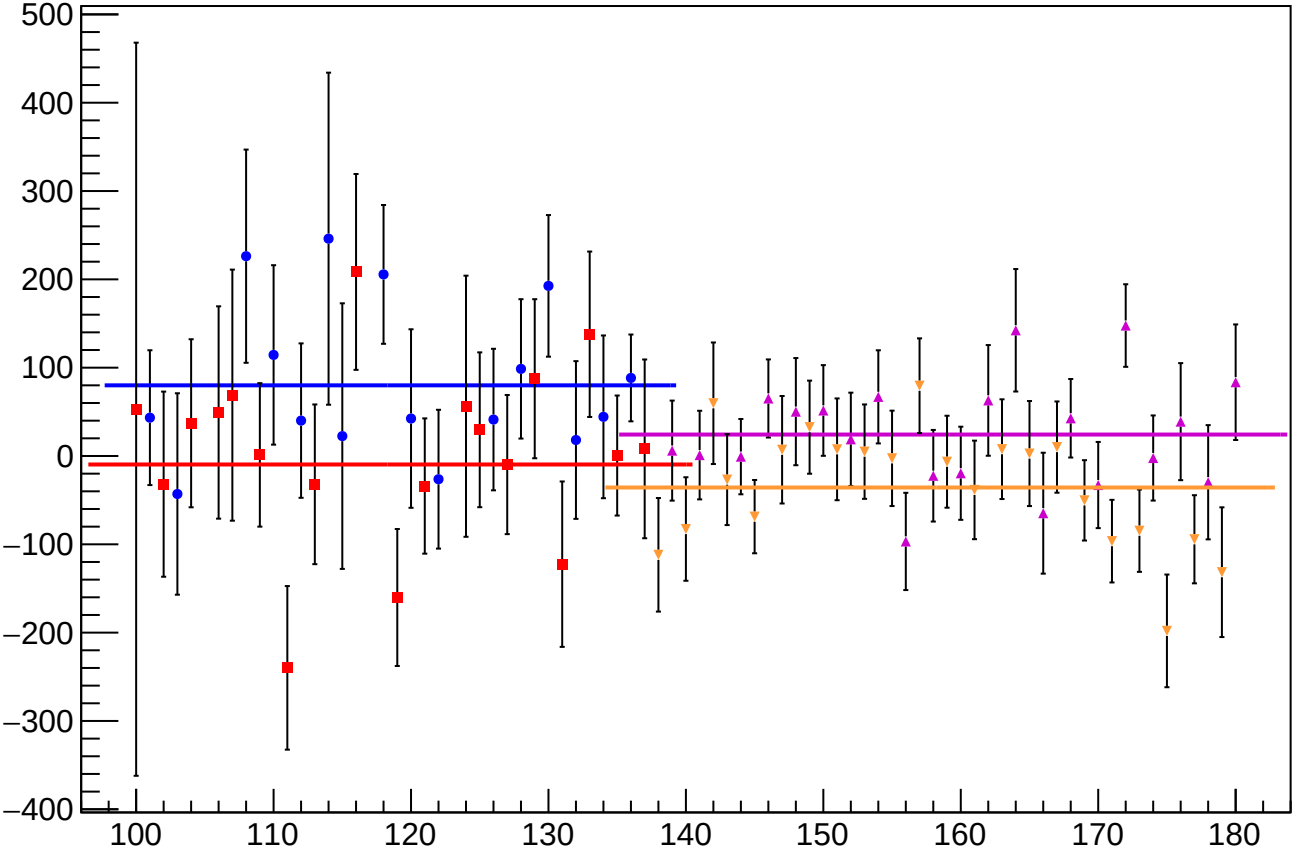
Left In: 433.891+/-0.075 χ^2/NDF:1093885.7/20

\+ sign 470.143+/-0.069 χ^2/NDF: 2932451.8/37

All: 466.917+/-0.049 χ^2/NDF: 5789478.7/77

\- 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: -35.677+/-11.494 χ^2/NDF:27.5/21

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

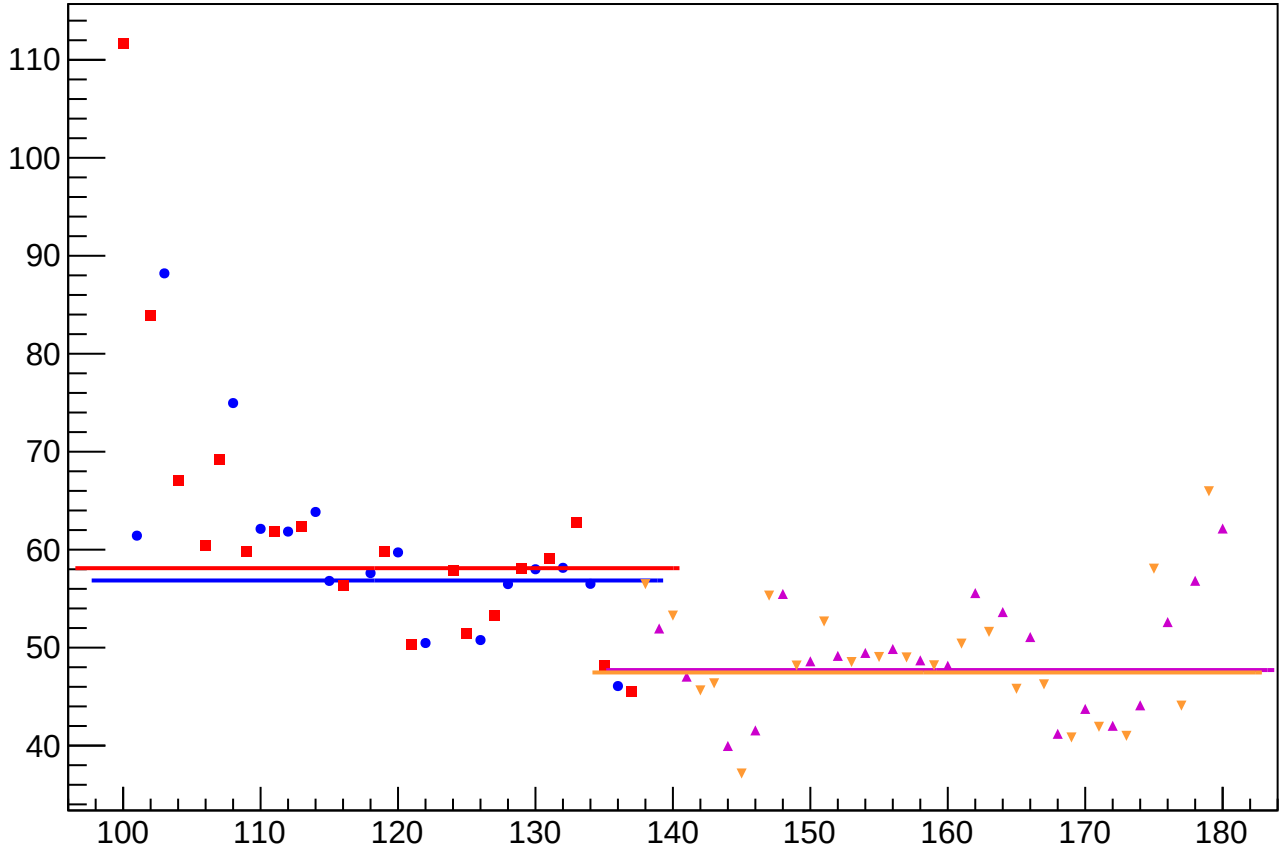
Left In: 24.281+/-11.631 χ^2/NDF:24.3/20

+ sign -9.920+/-10.133 χ^2/NDF: 61.6/37

All: 3.234+/-7.204 χ^2/NDF: 111.7/77

- 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: 47.465+/-0.008 χ^2/NDF:558729.4/21

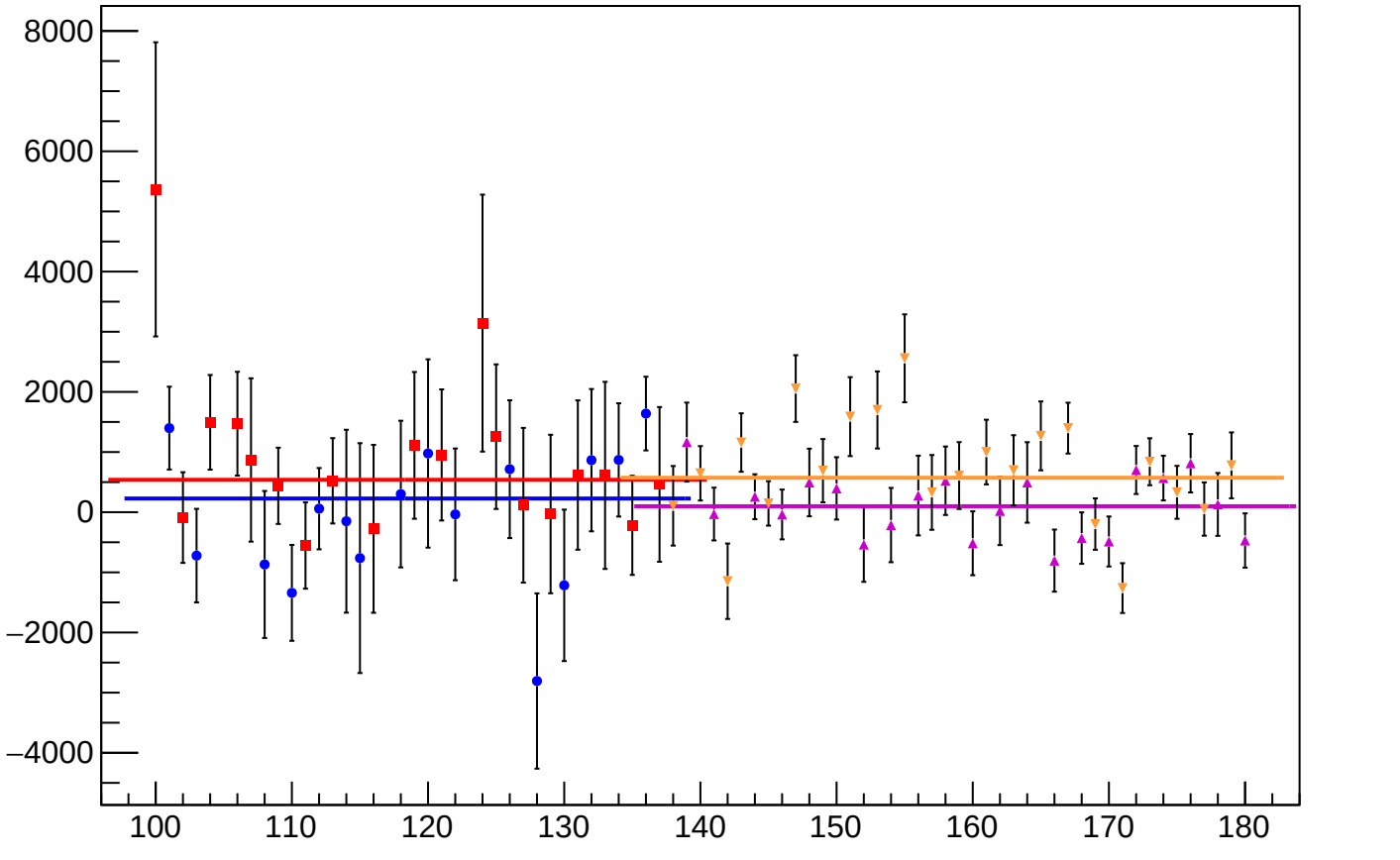
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.711+/-0.008 χ^2/NDF:453329.7/20

+ sign 49.556+/-0.007 χ^2/NDF: 1197547.0/37

All: 49.797+/-0.005 χ^2/NDF: 2324707.2/77

- sign 50.044+/-0.007 χ^2/NDF: 1124865.6/39



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 572.804+/-107.135 χ^2/NDF:62.2/21

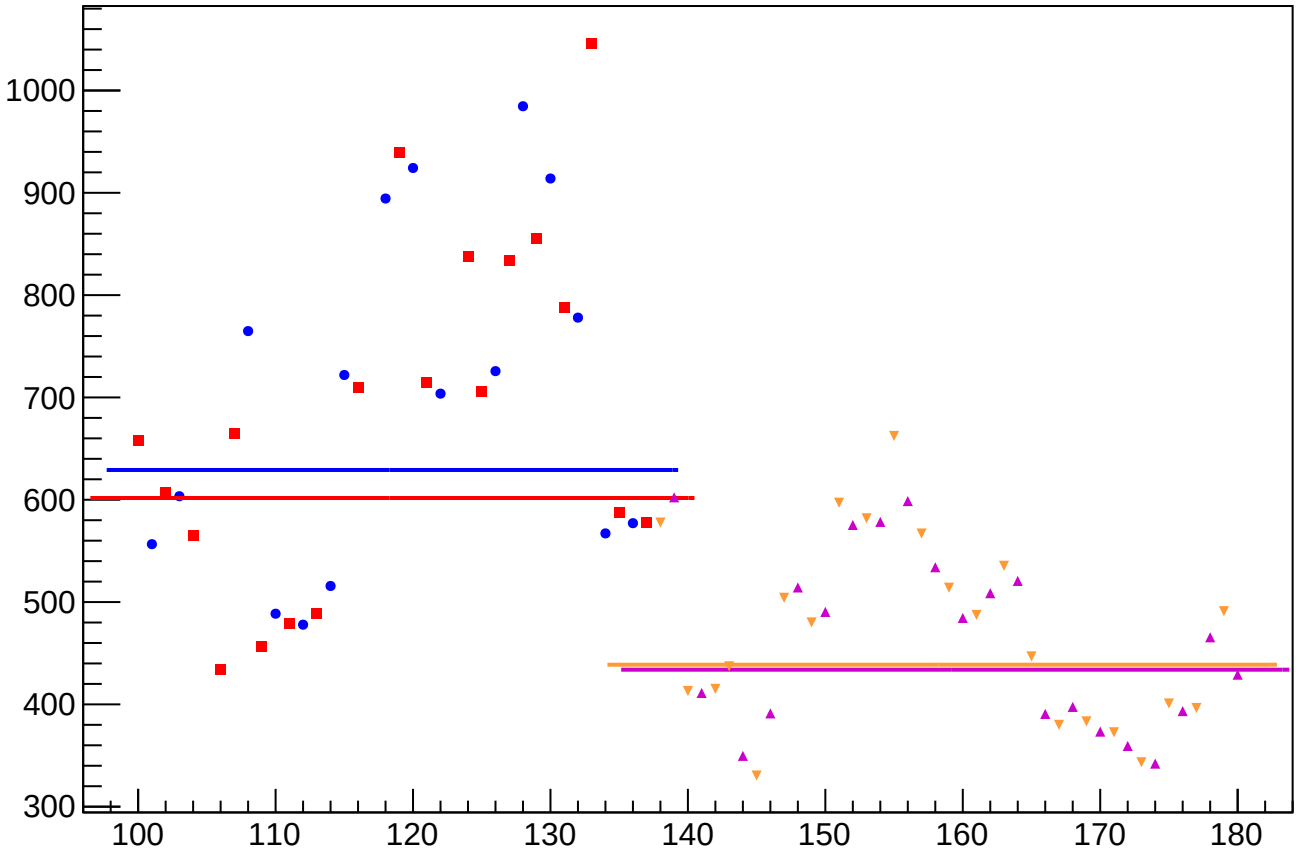
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 99.069+/-106.483 χ^2/NDF:21.7/20

+ sign 515.922+/-97.913 χ^2/NDF: 85.6/37

All: 344.194+/-68.743 χ^2/NDF: 129.7/77

- sign 177.260+/-96.537 χ^2/NDF: 38.1/39



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 438.790+/-0.076 χ^2/NDF:1200000.4/21

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

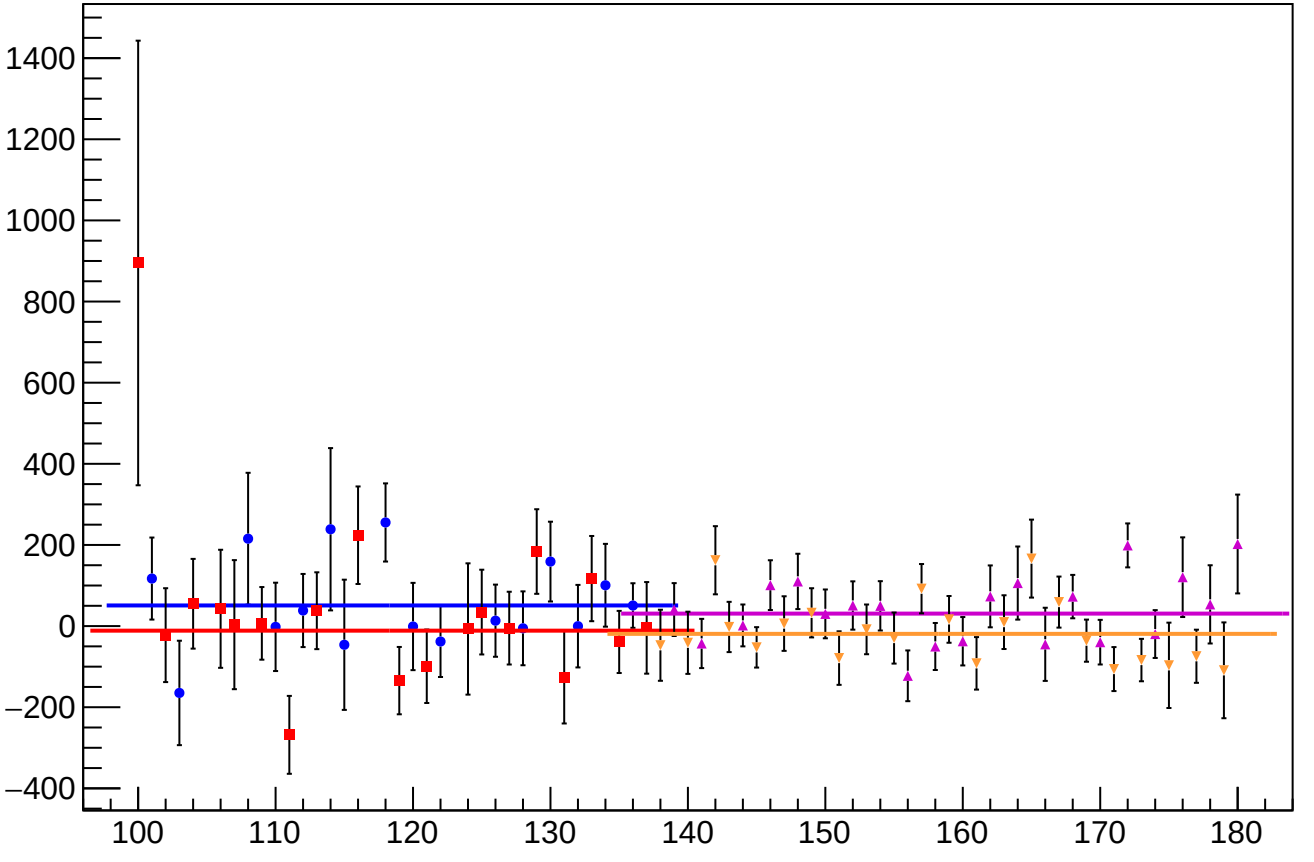
Left In: 433.891+/-0.075 χ^2/NDF:1093885.7/20

+ sign 470.143+/-0.069 χ^2/NDF: 2932451.8/37

All: 466.917+/-0.049 χ^2/NDF: 5789478.7/77

- 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: -19.180+/-13.842 χ^2/NDF:23.6/21

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

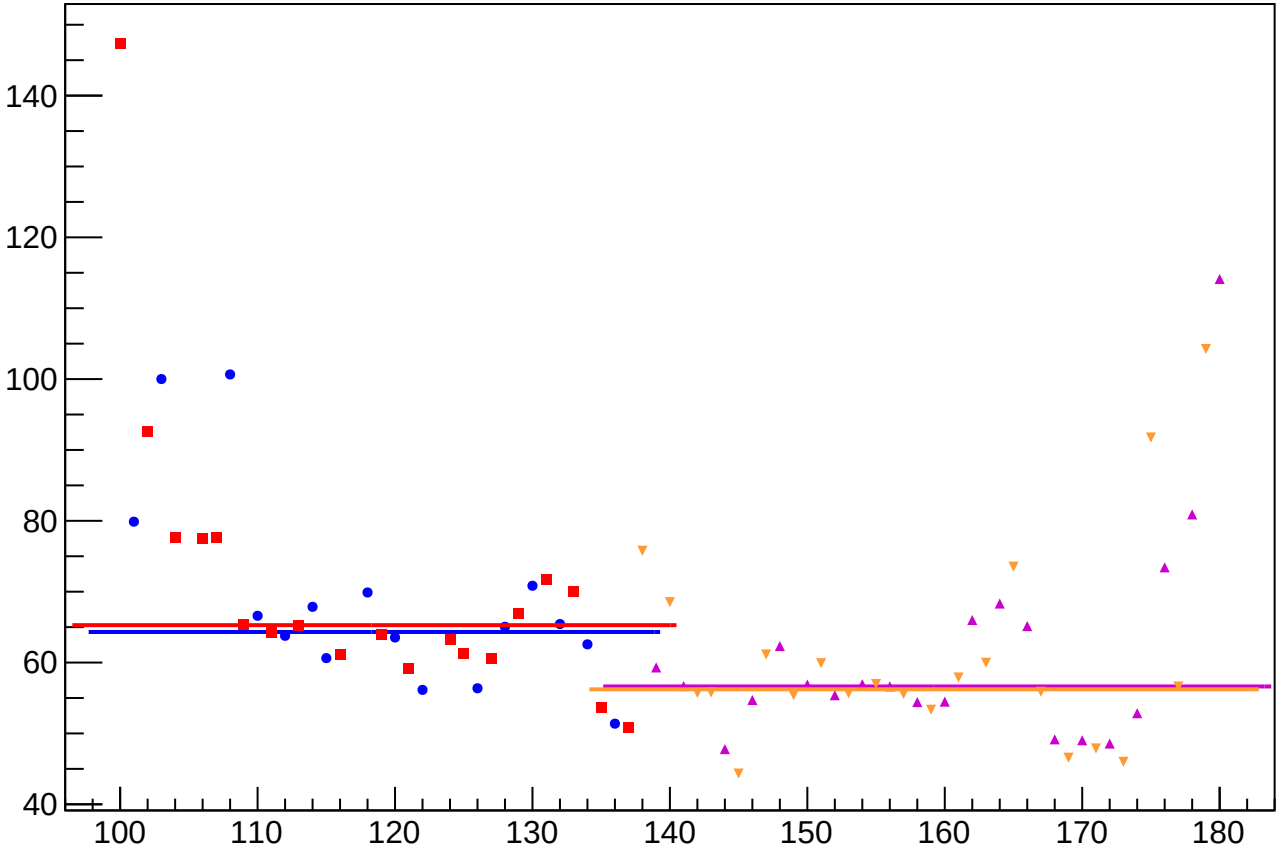
Left In: 30.769+/-14.097 χ^2/NDF:31.2/20

+ sign -2.225+/-12.050 χ^2/NDF: 43.6/37

All: 8.853+/-8.572 χ^2/NDF: 102.8/77

- sign 20.202+/-12.197 χ^2/NDF: 57.4/39

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.220+/-0.010 χ^2/NDF:1112669.5/21

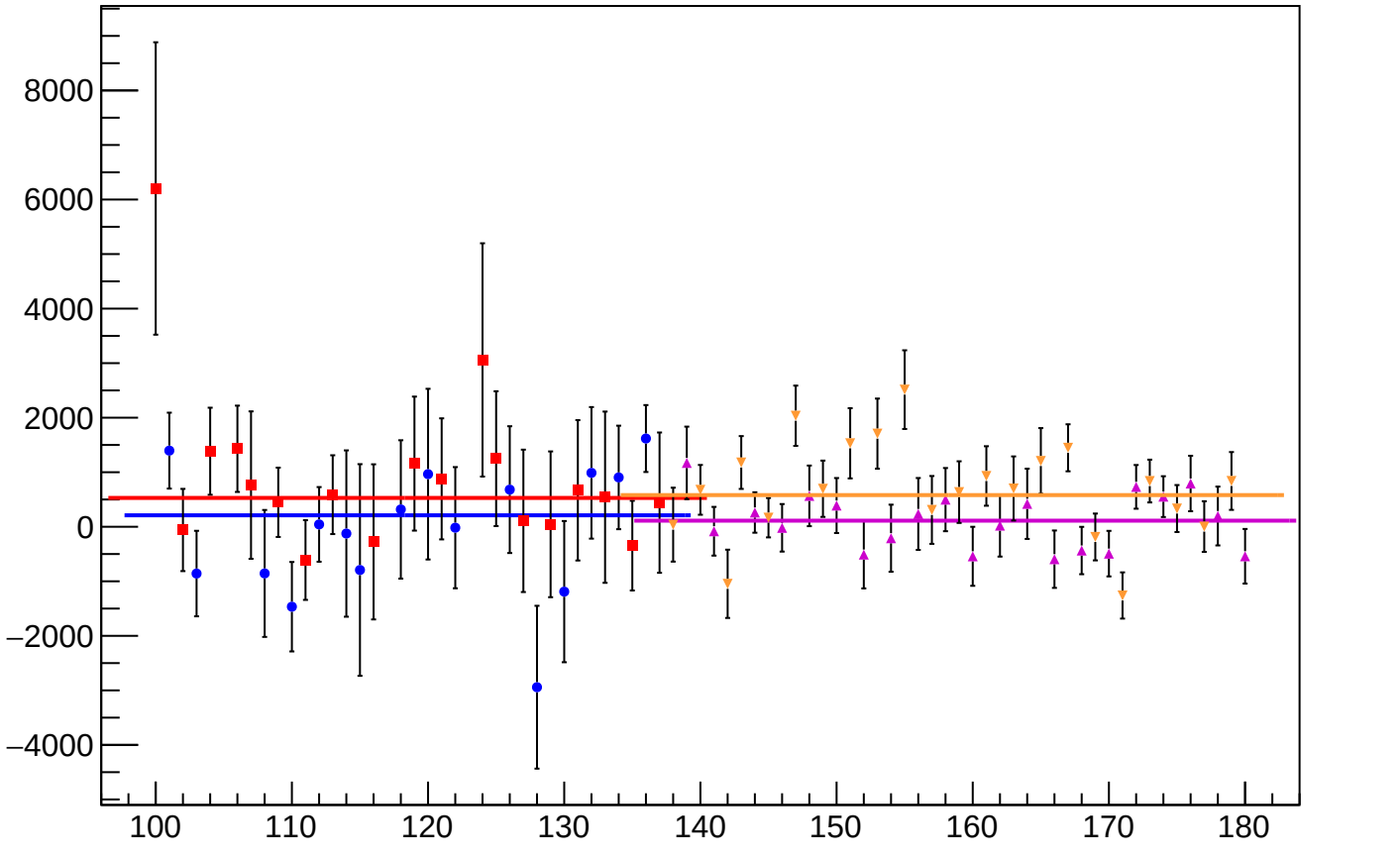
Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 56.629+/-0.010 χ^2/NDF:926760.2/20

+ sign 58.180+/-0.009 χ^2/NDF: 1743274.5/37

All: 58.488+/-0.006 χ^2/NDF: 3181084.4/77

- sign 58.803+/-0.009 χ^2/NDF: 1435171.2/39



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 580.616+/-107.567 χ^2/NDF:60.1/21

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

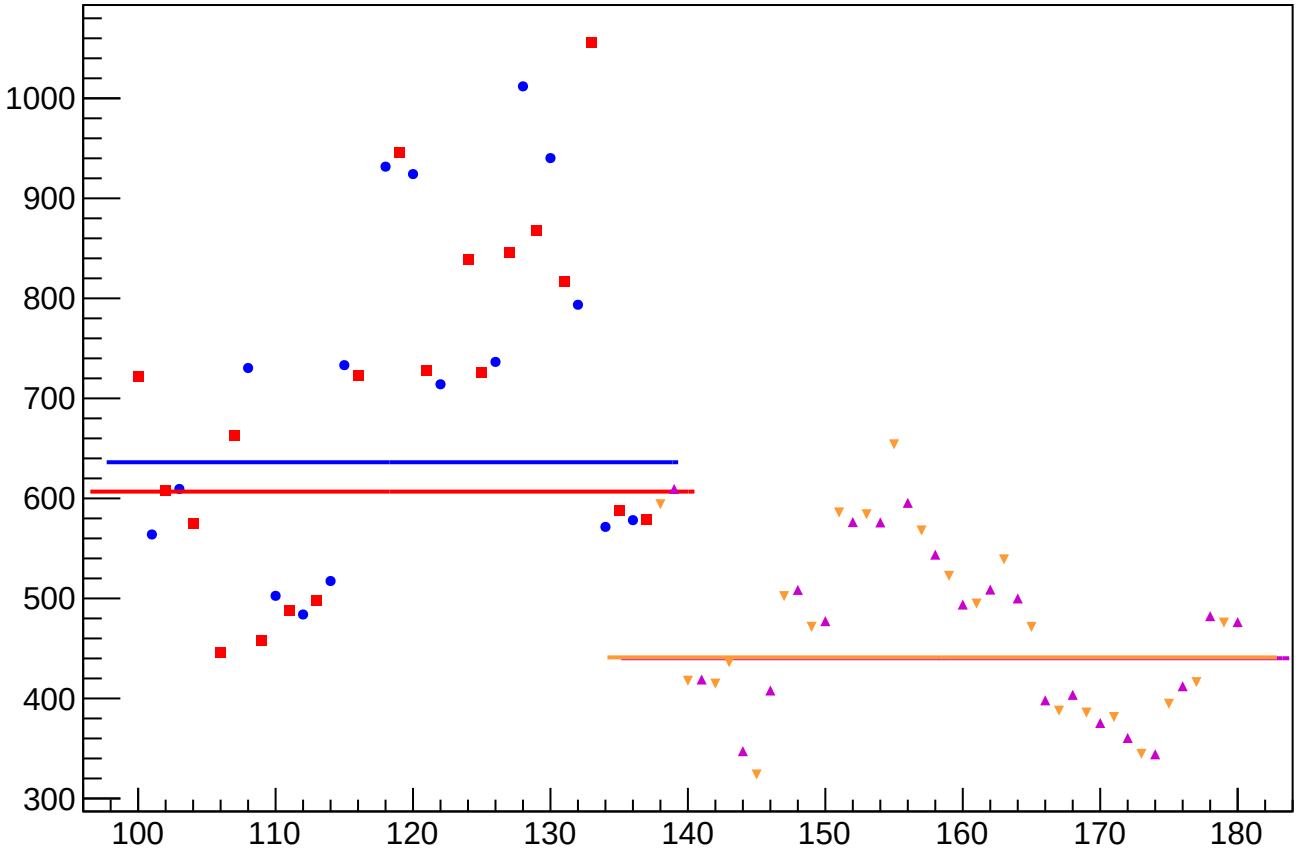
Left In: 111.740+/-107.985 χ^2/NDF:20.2/20

+ sign 520.228+/-98.414 χ^2/NDF: 84.5/37

All: 352.551+/-69.344 χ^2/NDF: 127.0/77

- 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: 441.044+/-0.076 χ^2/NDF:1193751.8/21

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

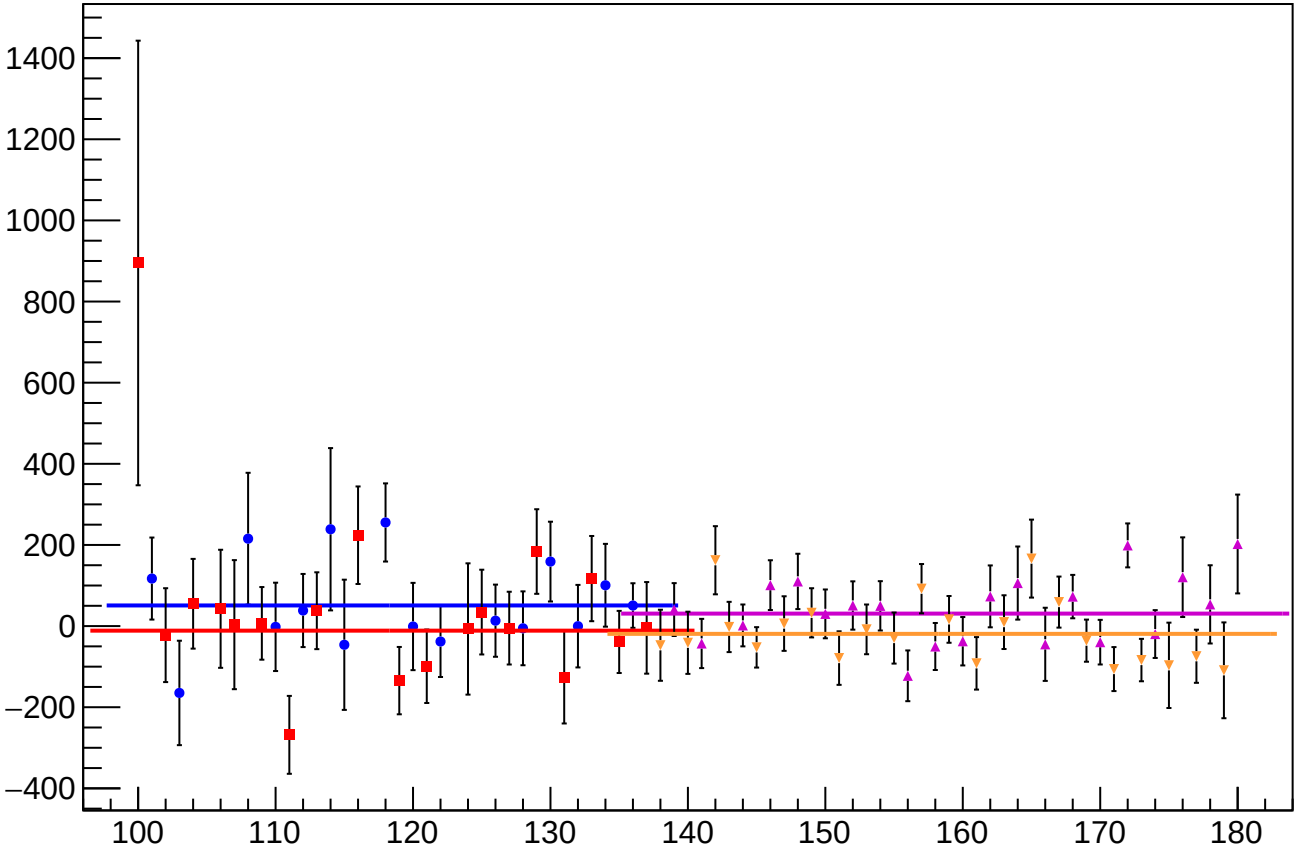
Left In: 440.193+/-0.076 χ^2/NDF:1061396.6/20

+ sign 472.836+/-0.070 χ^2/NDF: 2971094.6/37

All: 471.586+/-0.049 χ^2/NDF: 5788912.5/77

- 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: -19.181+/-13.842 χ^2/NDF:23.6/21

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

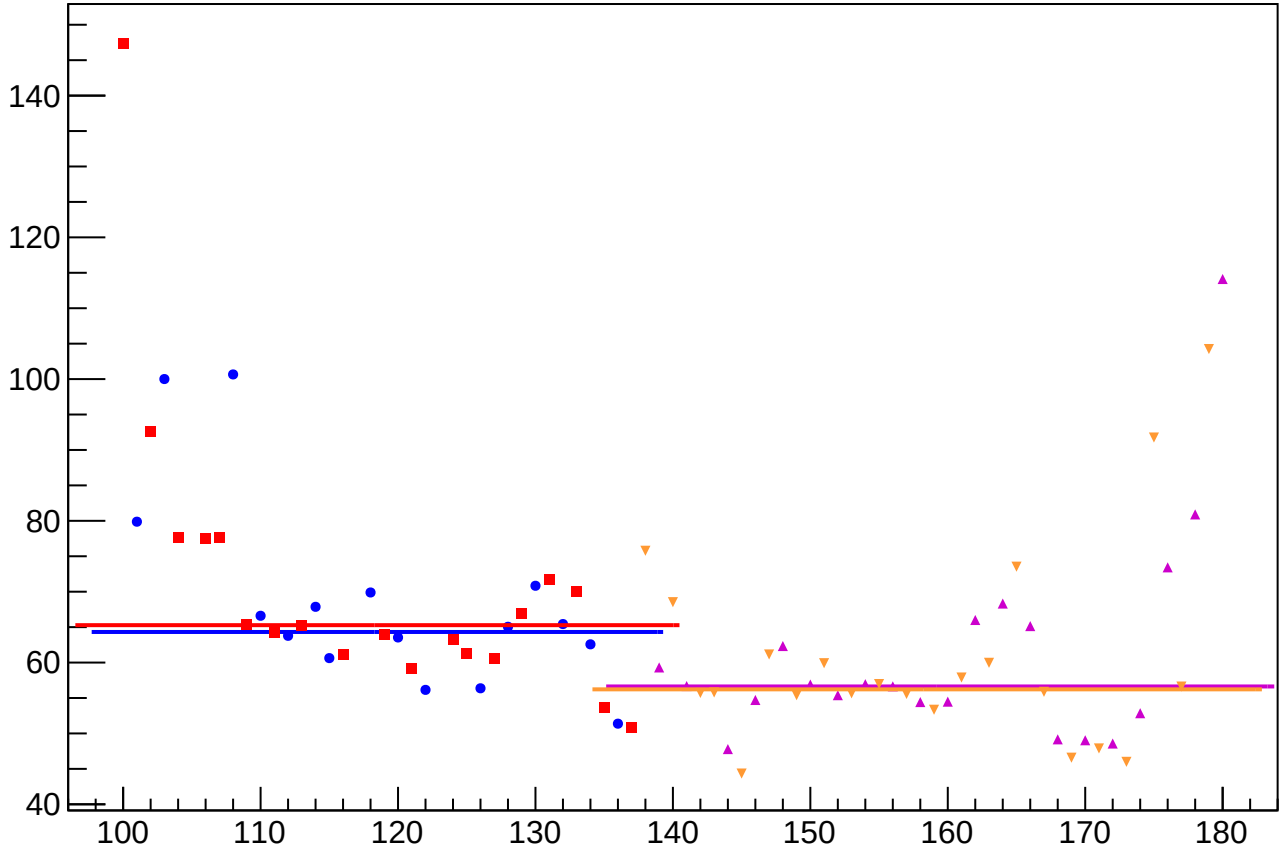
Left In: 30.768+/-14.097 χ^2/NDF:31.2/20

+ sign -2.226+/-12.051 χ^2/NDF: 43.6/37

All: 8.853+/-8.572 χ^2/NDF: 102.8/77

- 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: 56.220+/-0.010 χ^2/NDF:1112668.8/21

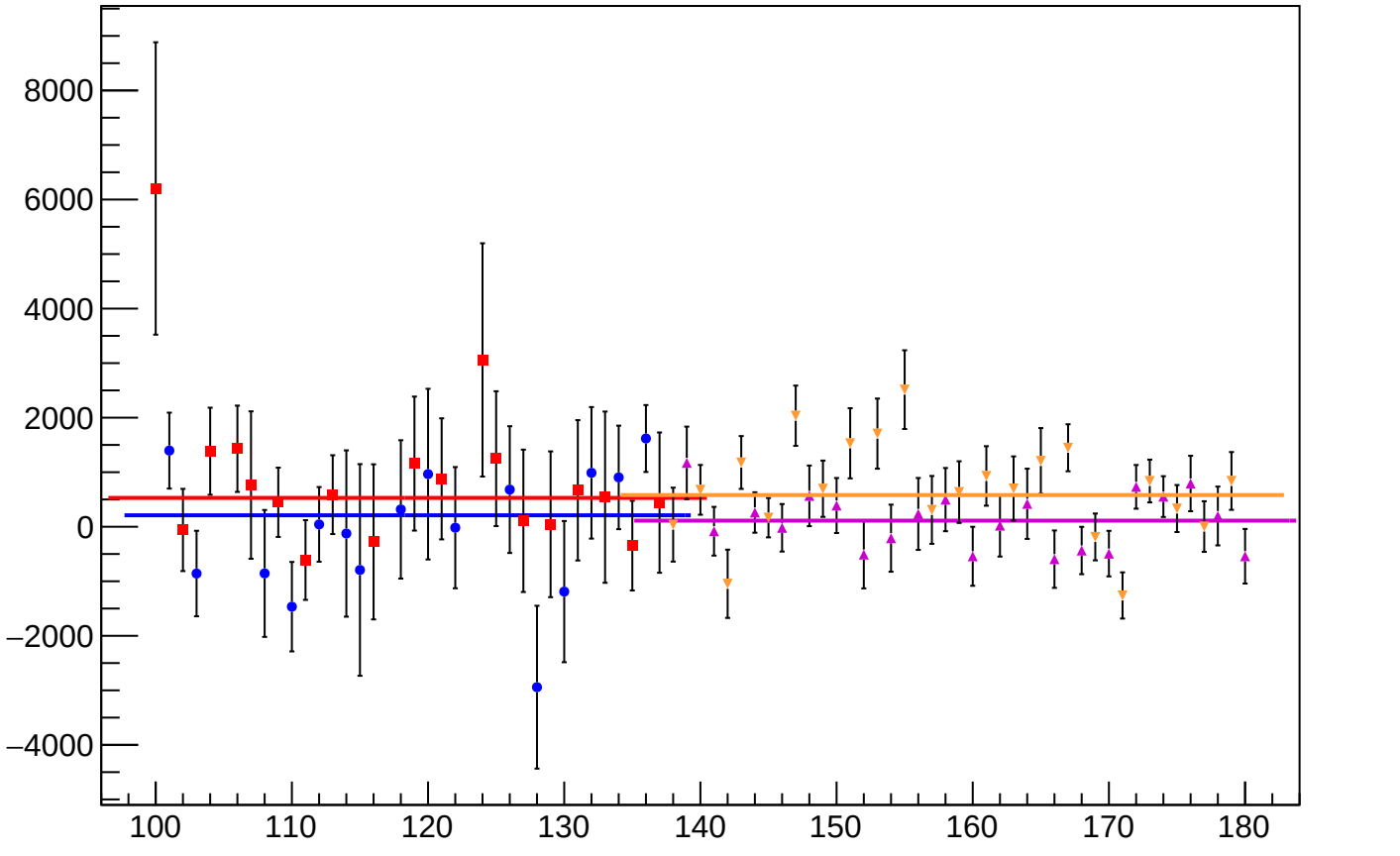
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.629+/-0.010 χ^2/NDF:926741.4/20

+ sign 58.180+/-0.009 χ^2/NDF: 1743263.9/37

All: 58.488+/-0.006 χ^2/NDF: 3181049.7/77

- sign 58.803+/-0.009 χ^2/NDF: 1435147.7/39



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 580.616+/-107.567 χ^2/NDF:60.1/21

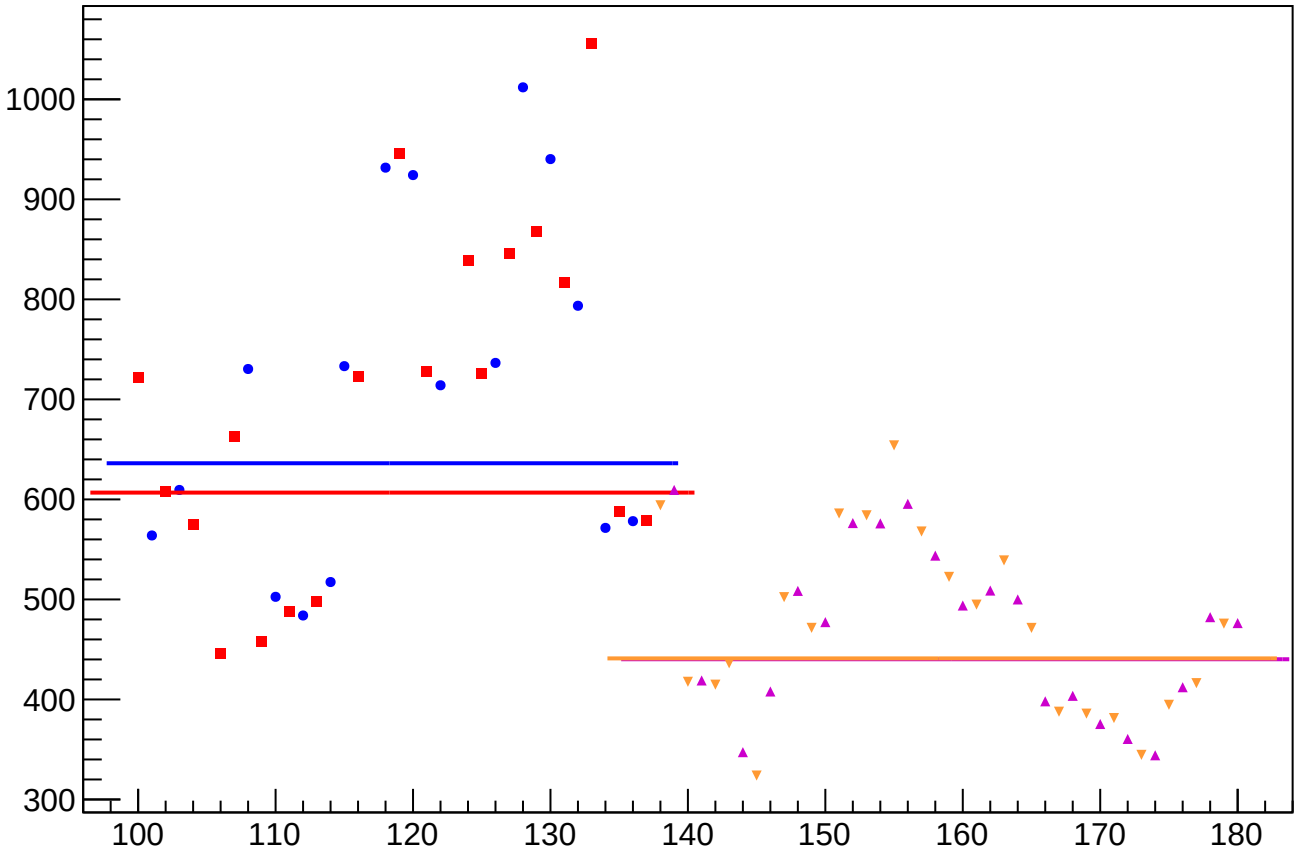
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 111.740+/-107.985 χ^2/NDF:20.2/20

\+ sign 520.227+/-98.413 χ^2/NDF: 84.5/37

All: 352.550+/-69.343 χ^2/NDF: 127.0/77

\- sign 187.218+/-97.723 χ^2/NDF: 36.7/39



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 441.043+/-0.076 χ^2/NDF:1193759.8/21

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

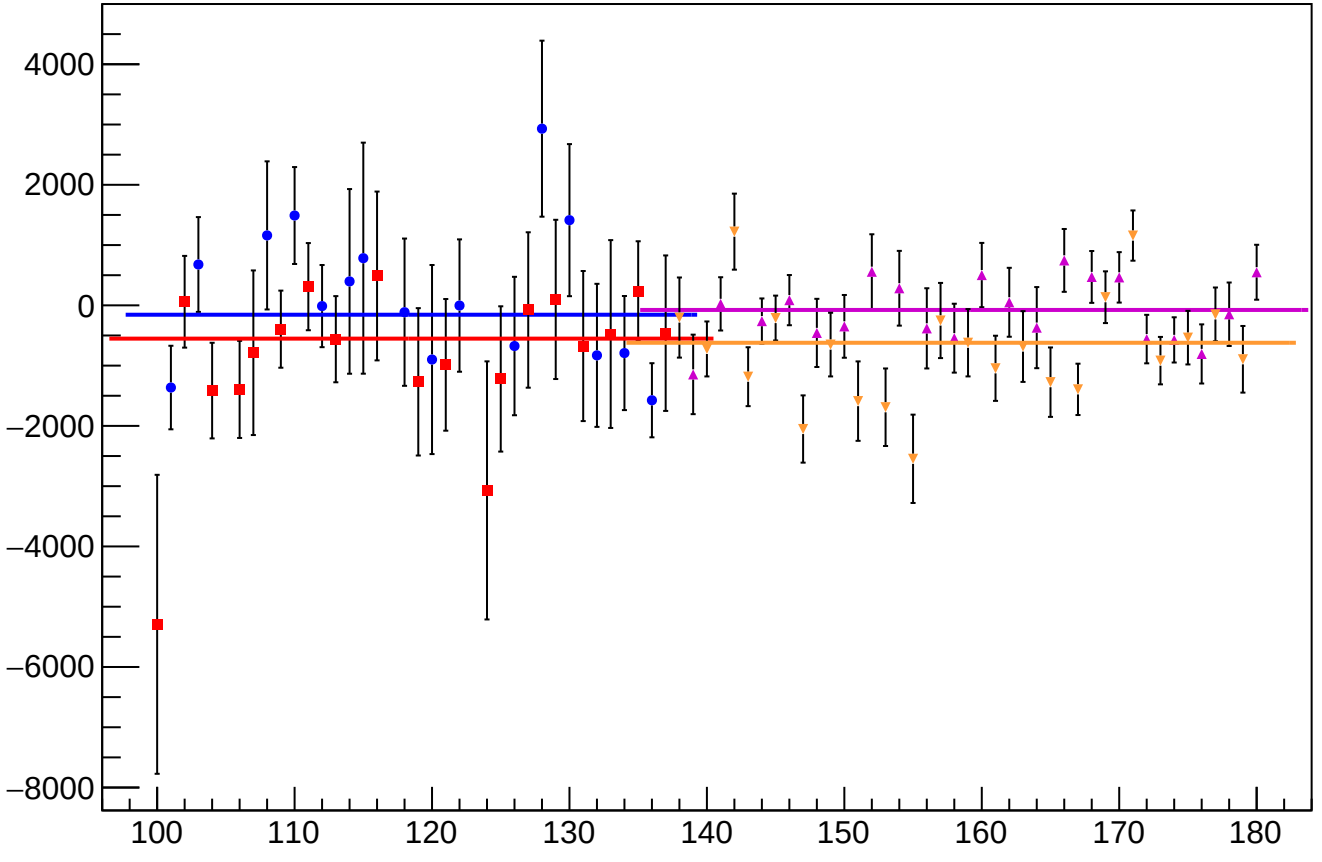
Left In: 440.192+/-0.076 χ^2/NDF:1061403.0/20

+ sign 472.834+/-0.070 χ^2/NDF: 2971112.5/37

All: 471.585+/-0.049 χ^2/NDF: 5788947.2/77

- 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: -620.864+/-107.825 χ^2/NDF:58.8/21

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

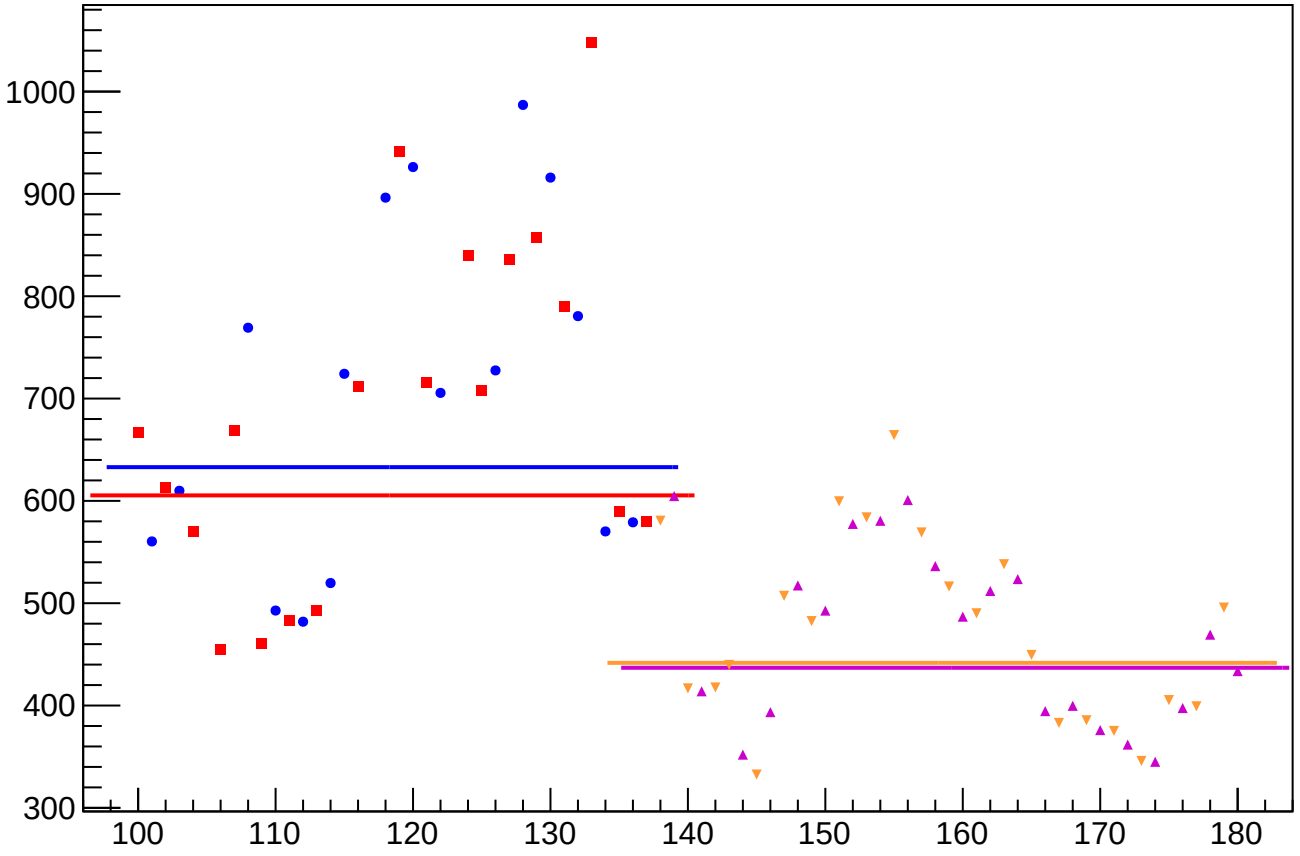
Left In: -76.381+/-107.200 χ^2/NDF:20.6/20

+ sign -544.121+/-98.531 χ^2/NDF: 84.3/37

All: -350.212+/-69.153 χ^2/NDF: 128.2/77

- 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: 441.716+/-0.076 χ^2/NDF:1186936.6/21

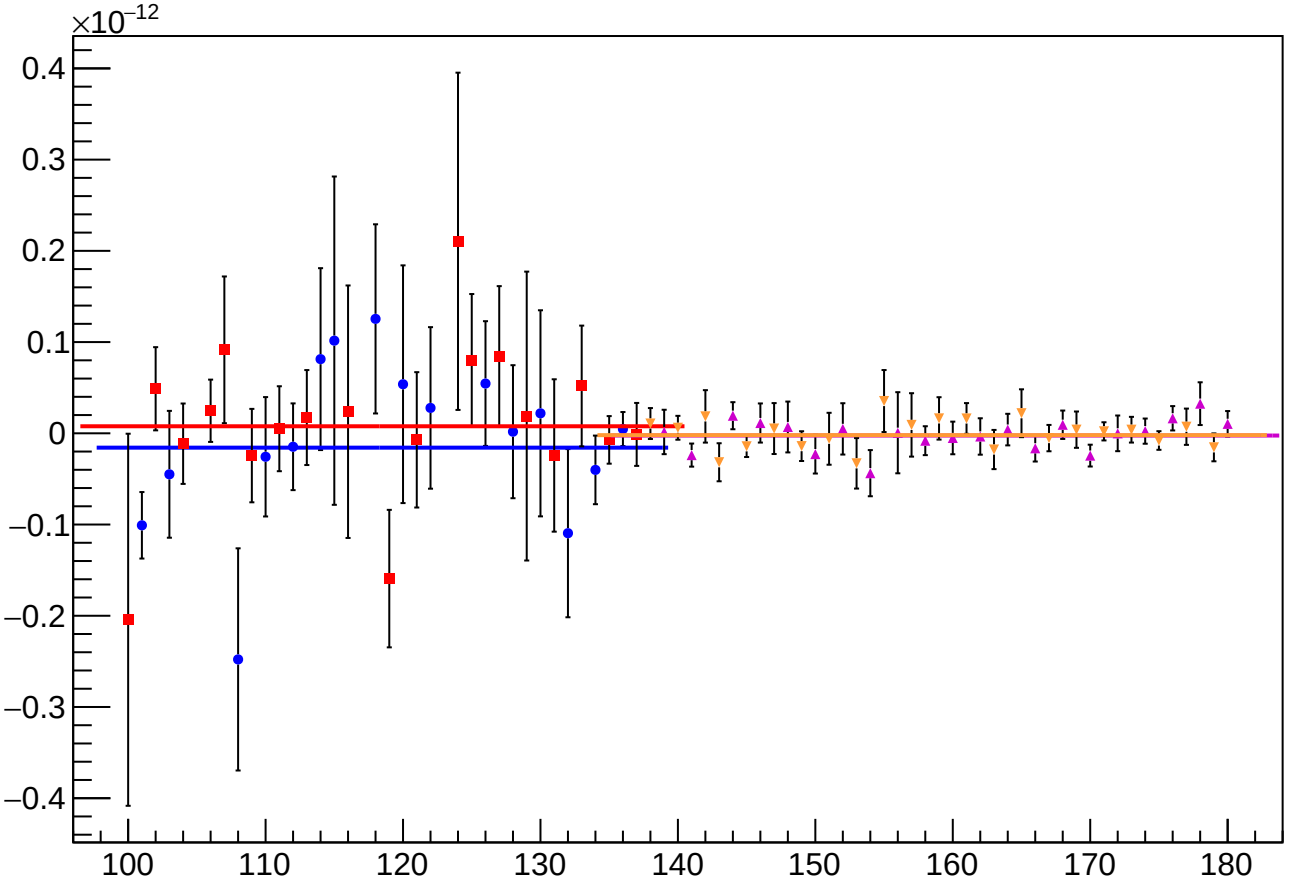
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 436.911+/-0.076 χ^2/NDF:1079244.7/20

+ sign 473.265+/-0.070 χ^2/NDF: 2906029.7/37

All: 470.195+/-0.049 χ^2/NDF: 5731583.8/77

- 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:12.8/21

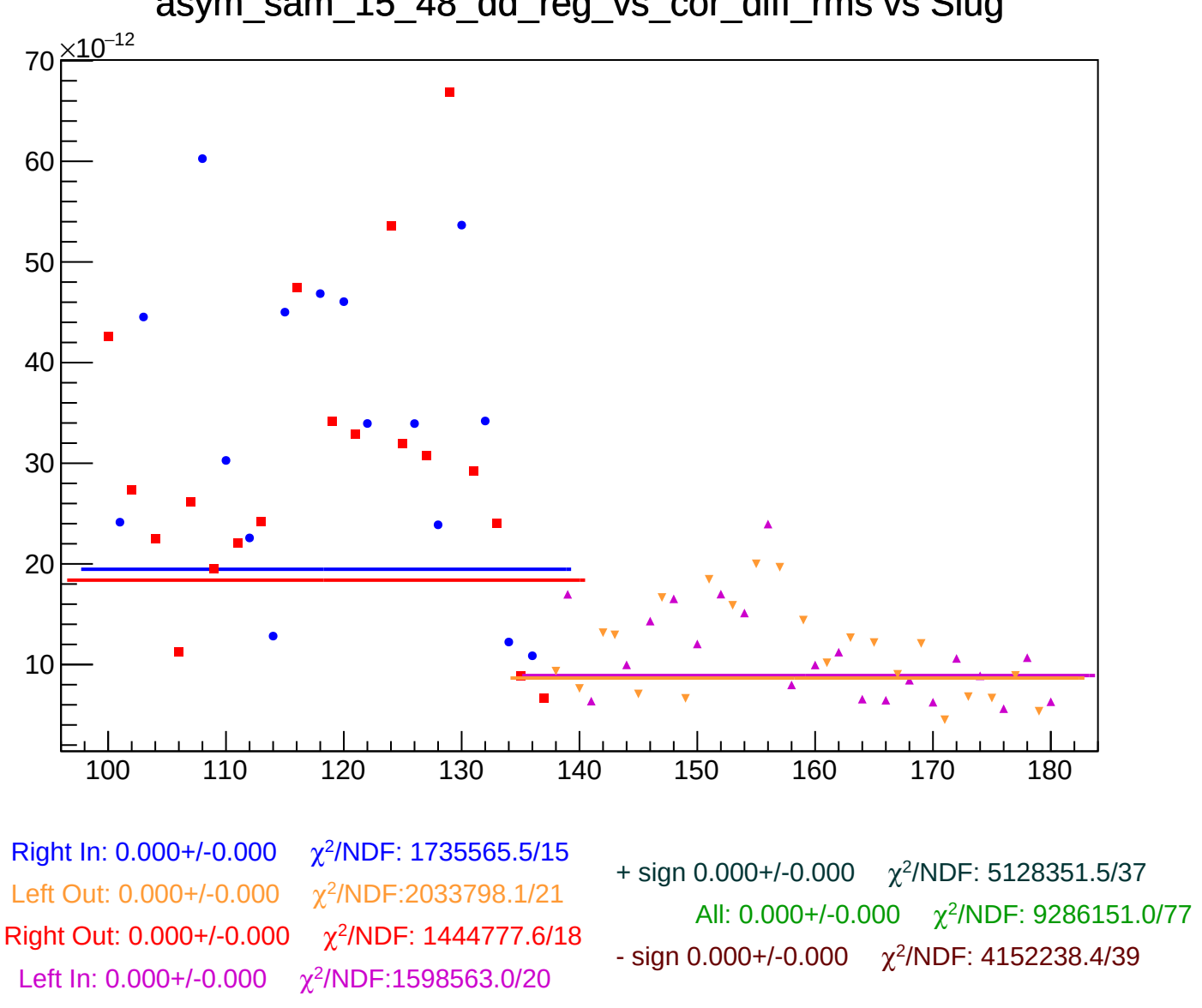
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

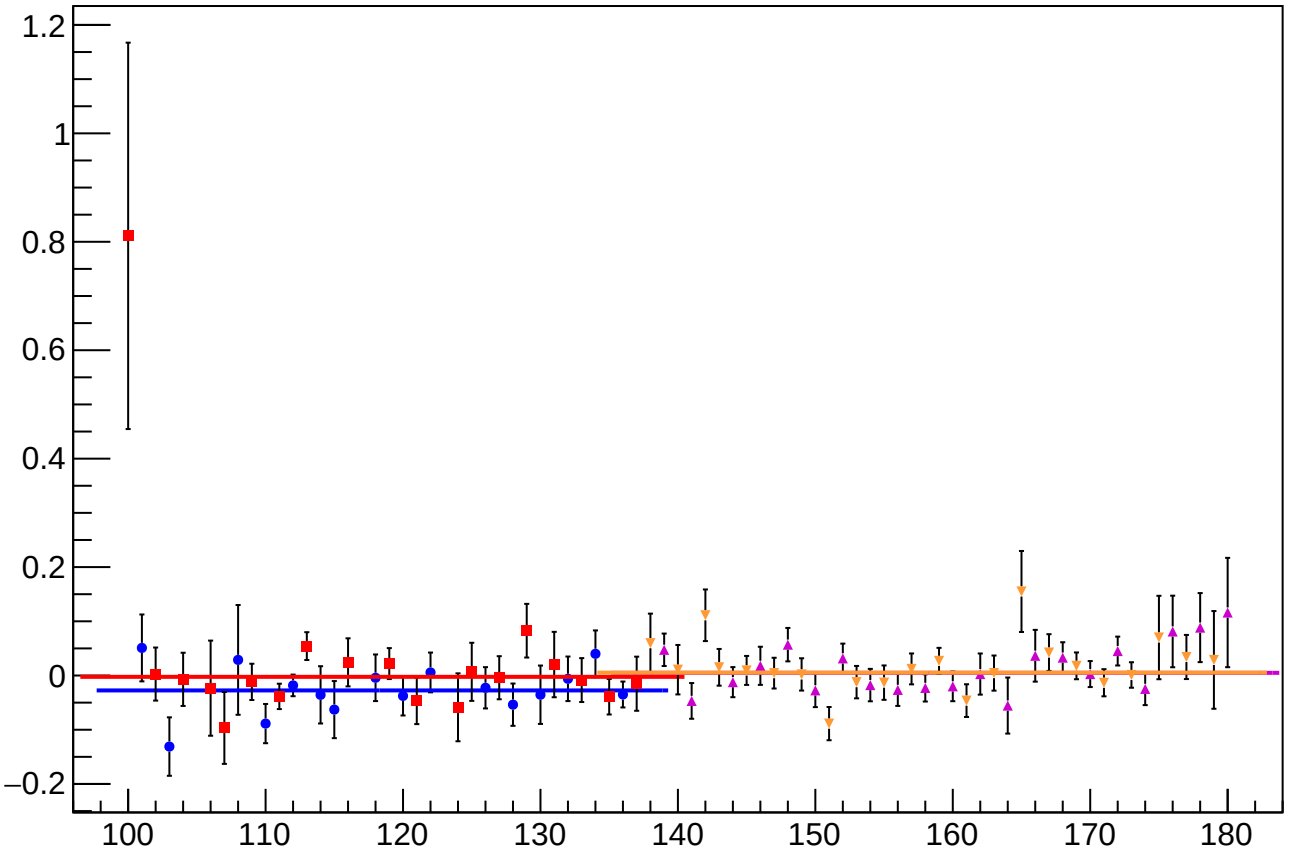
Left In: -0.000+/-0.000 χ^2/NDF:19.6/20

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/37

All: -0.000+/-0.000 χ^2/NDF: 64.1/77

- 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:2033798.1/21
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: 5128351.5/37
All: 0.000+/-0.000 χ²/NDF: 9286151.0/77
- sign 0.000+/-0.000 χ²/NDF: 4152238.4/39



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

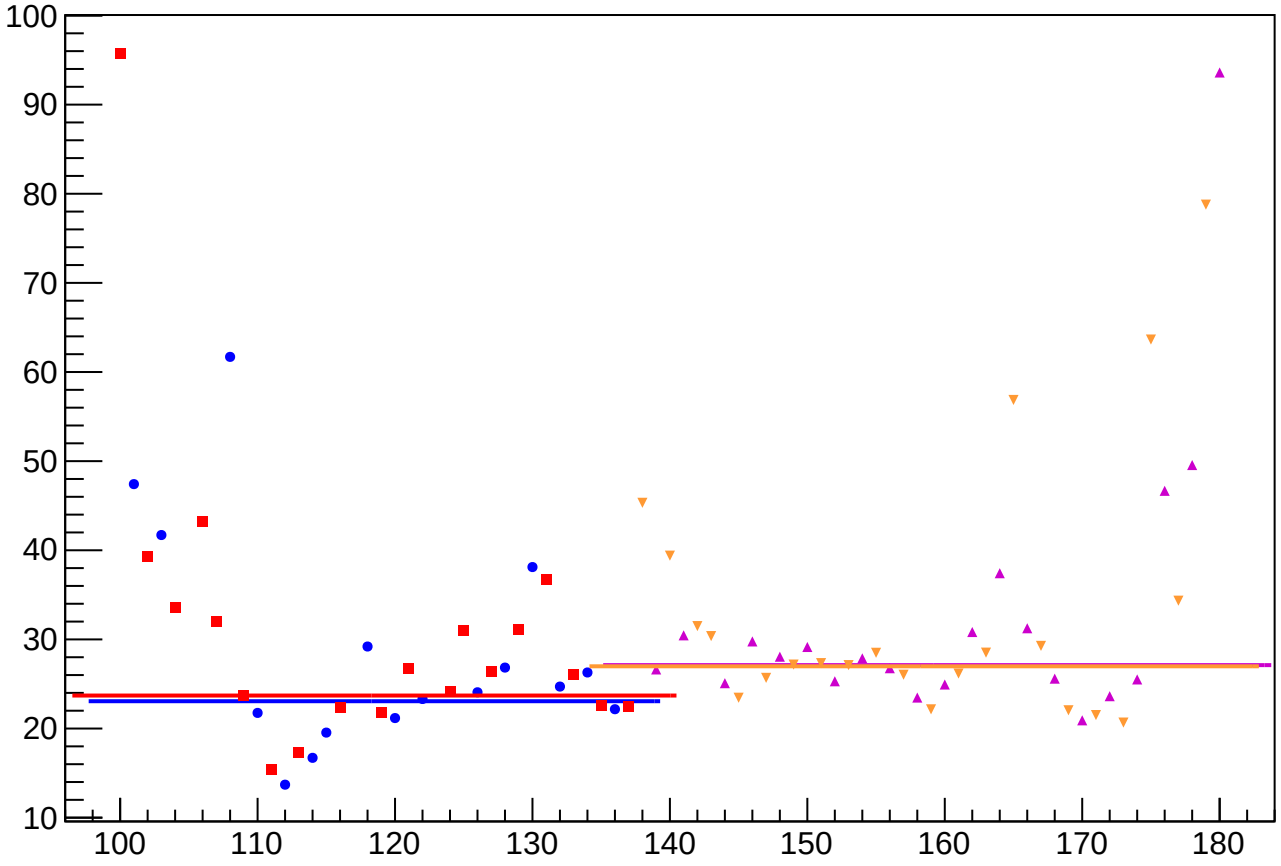
Left In: 0.005+/-0.007 χ^2/NDF:24.0/20

+ sign -0.006+/-0.006 χ^2/NDF: 48.9/37

All: -0.002+/-0.004 χ^2/NDF: 96.5/77

- sign 0.002+/-0.006 χ^2/NDF: 46.5/39

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374098.2/21

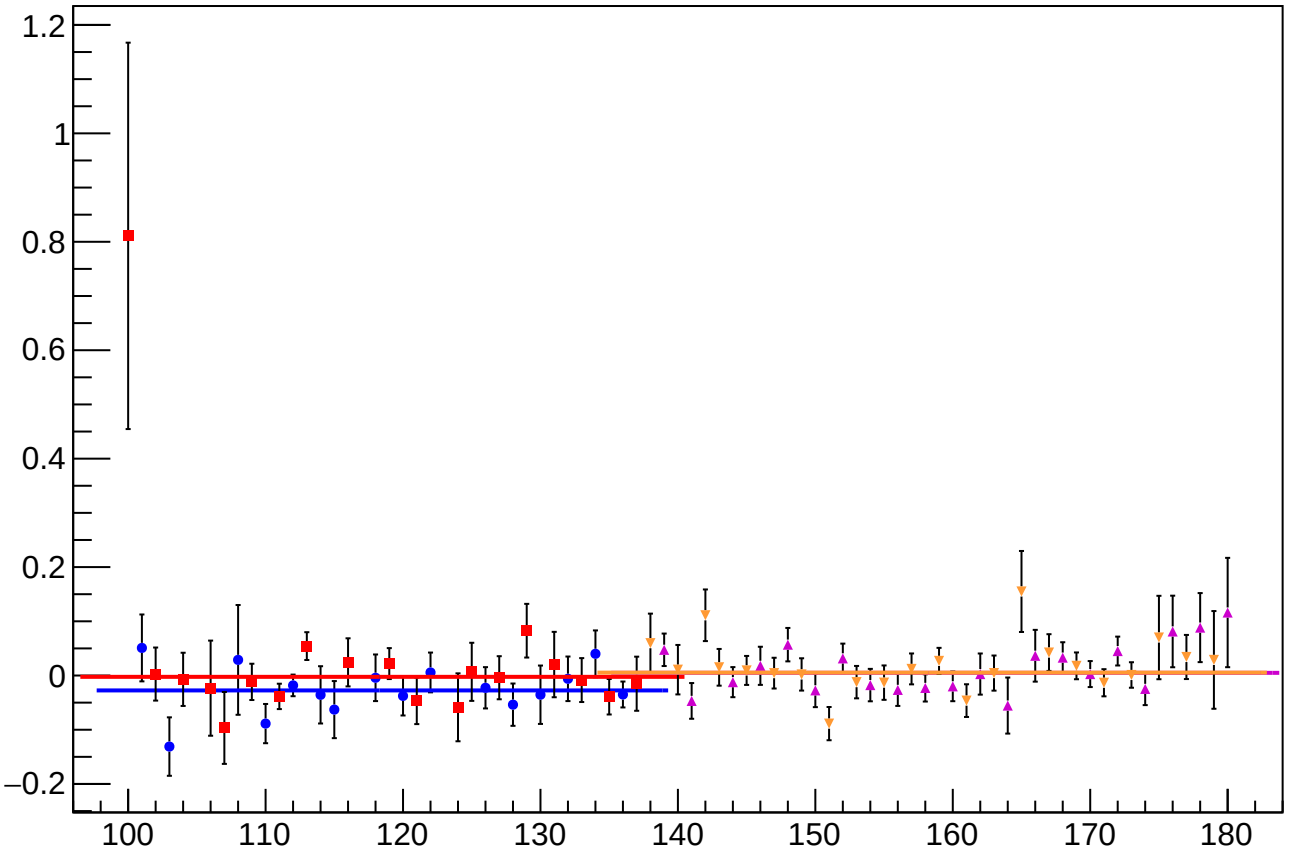
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.114+/-0.005 χ^2/NDF:1705307.6/20

\+ sign 25.613+/-0.004 χ^2/NDF: 4164765.1/37

All: 25.744+/-0.003 χ^2/NDF: 7132698.0/77

\- 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:27.3/21

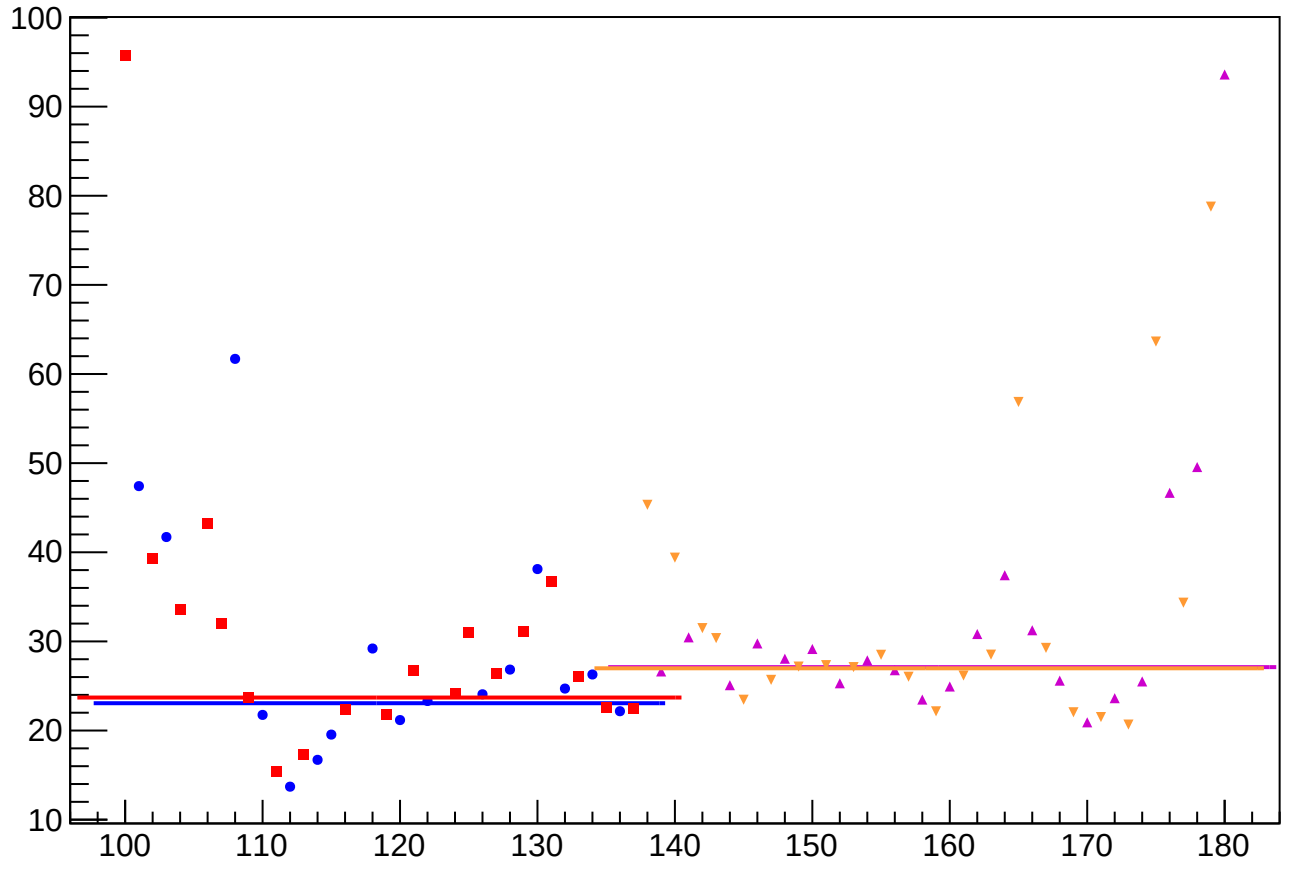
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:24.0/20

+ sign -0.006+/-0.006 χ^2/NDF: 48.9/37

All: -0.002+/-0.004 χ^2/NDF: 96.5/77

- 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: 26.983+/-0.005 χ^2/NDF:2374098.2/21

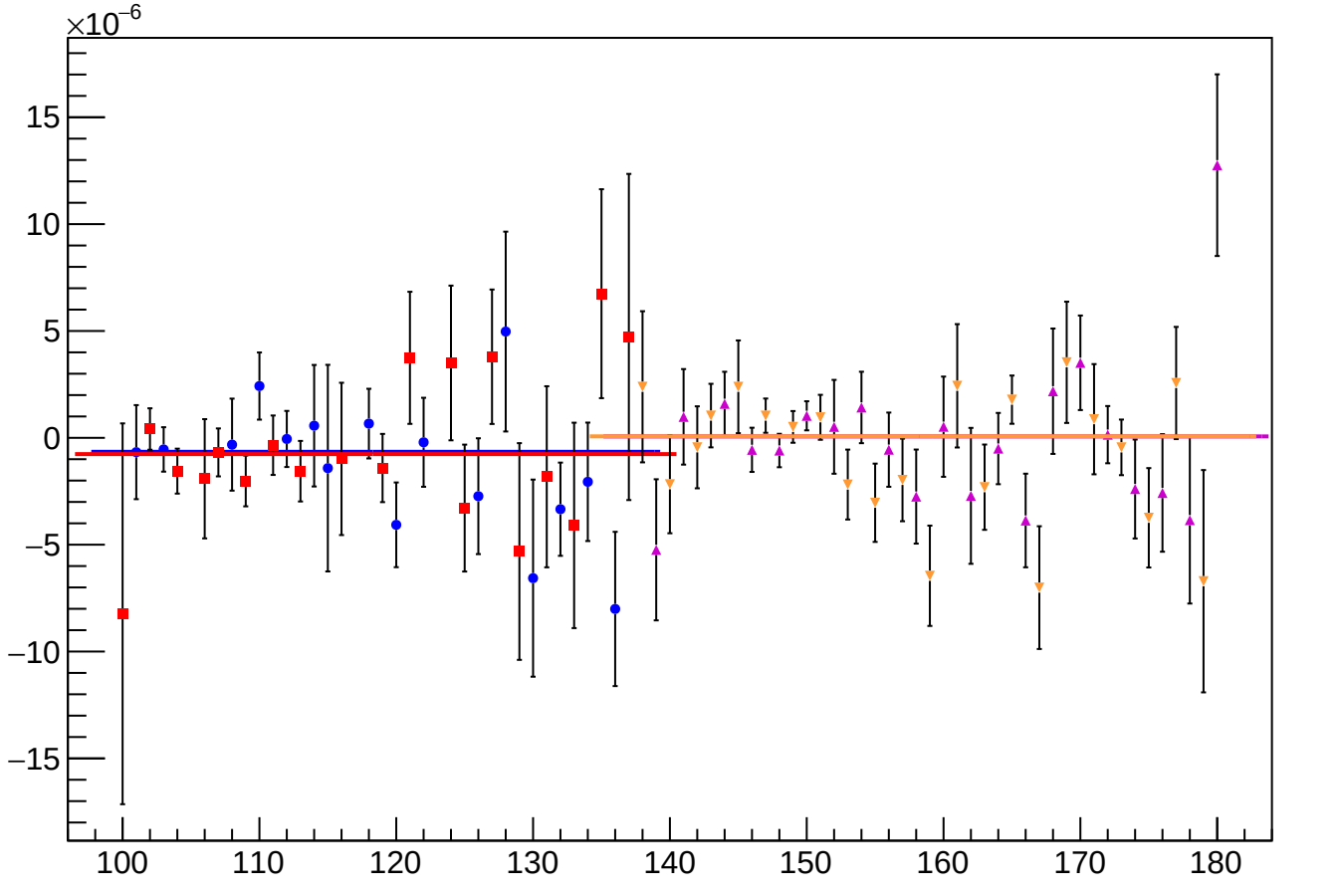
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.114+/-0.005 χ^2/NDF:1705307.6/20

\+ sign 25.613+/-0.004 χ^2/NDF: 4164765.1/37

All: 25.744+/-0.003 χ^2/NDF: 7132698.0/77

\- 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:36.7/21

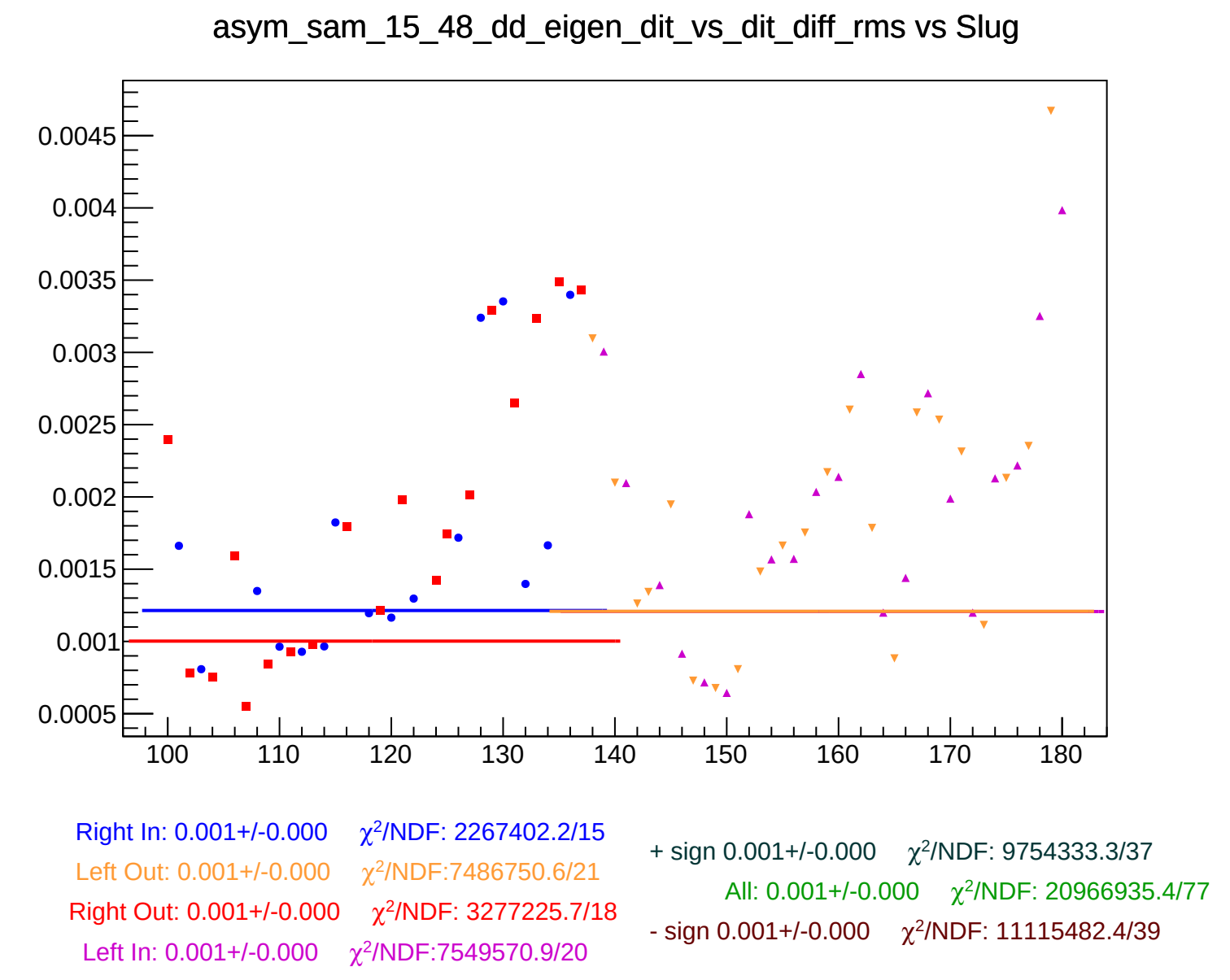
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:28.4/20

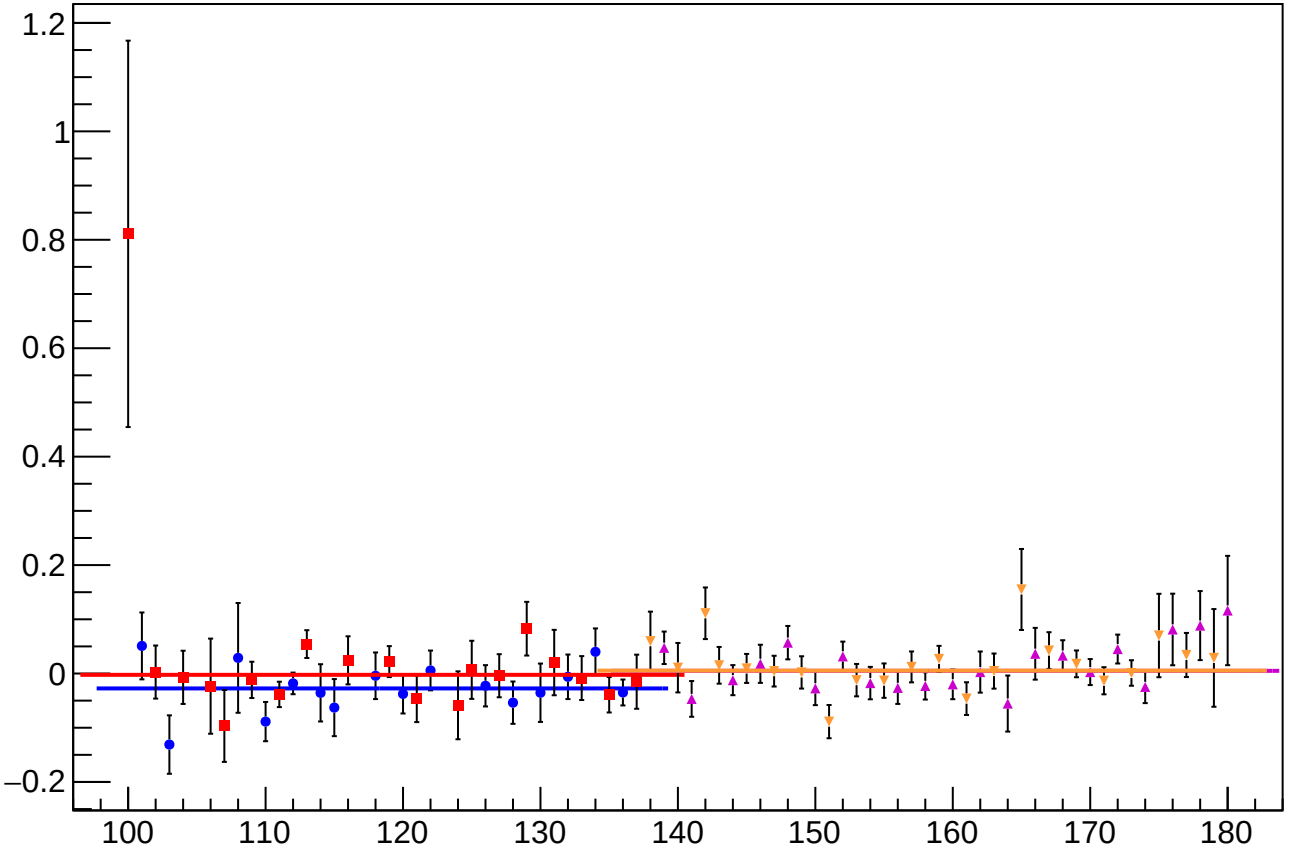
+ sign -0.000+/-0.000 χ^2/NDF: 55.7/37

All: -0.000+/-0.000 χ^2/NDF: 101.8/77

- 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:7486750.6/21
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: 9754333.3/37
All: 0.001+/-0.000 χ²/NDF: 20966935.4/77
- sign 0.001+/-0.000 χ²/NDF: 11115482.4/39

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

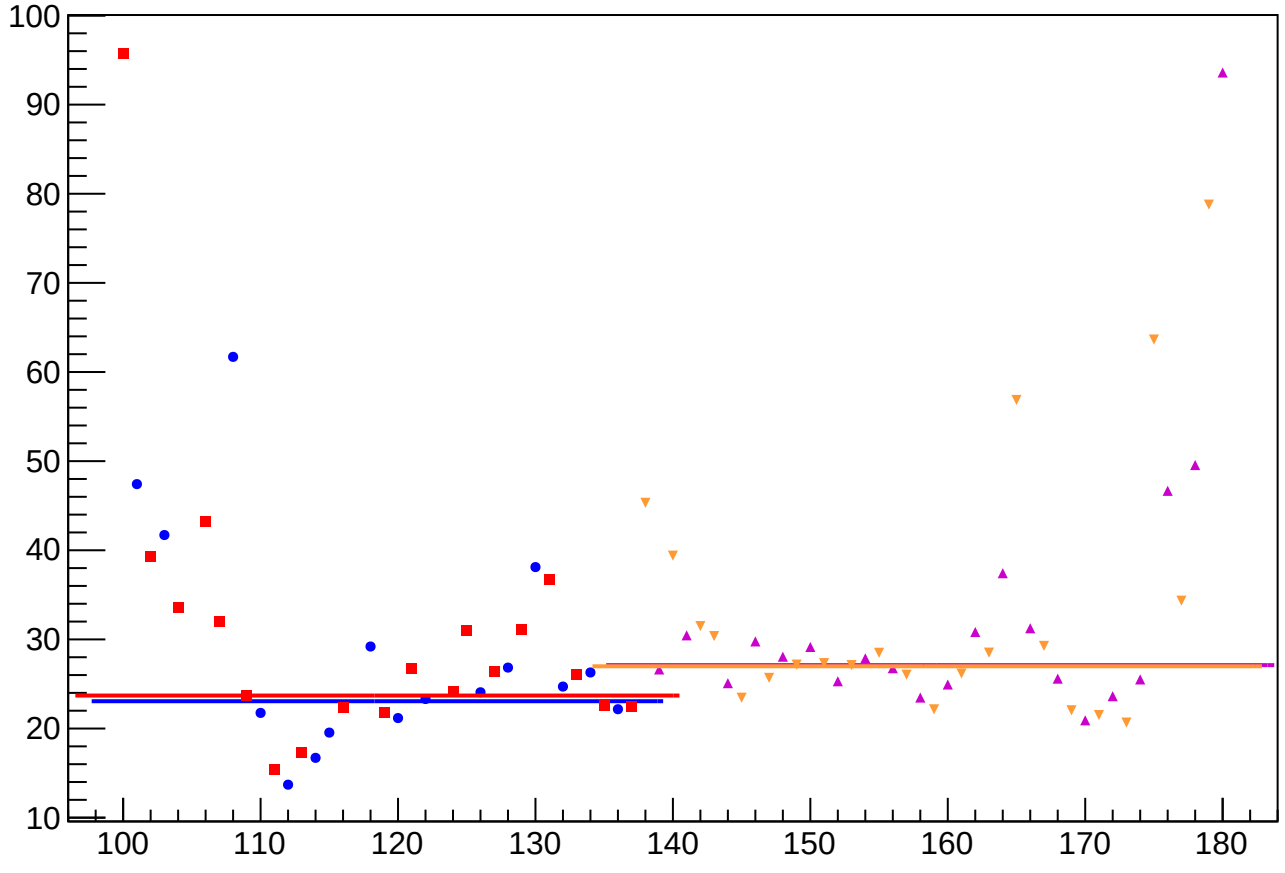
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:24.0/20

+ sign -0.006+/-0.006 χ^2/NDF: 48.9/37

All: -0.002+/-0.004 χ^2/NDF: 96.5/77

- 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: 26.983+/-0.005 χ^2/NDF:2374051.3/21

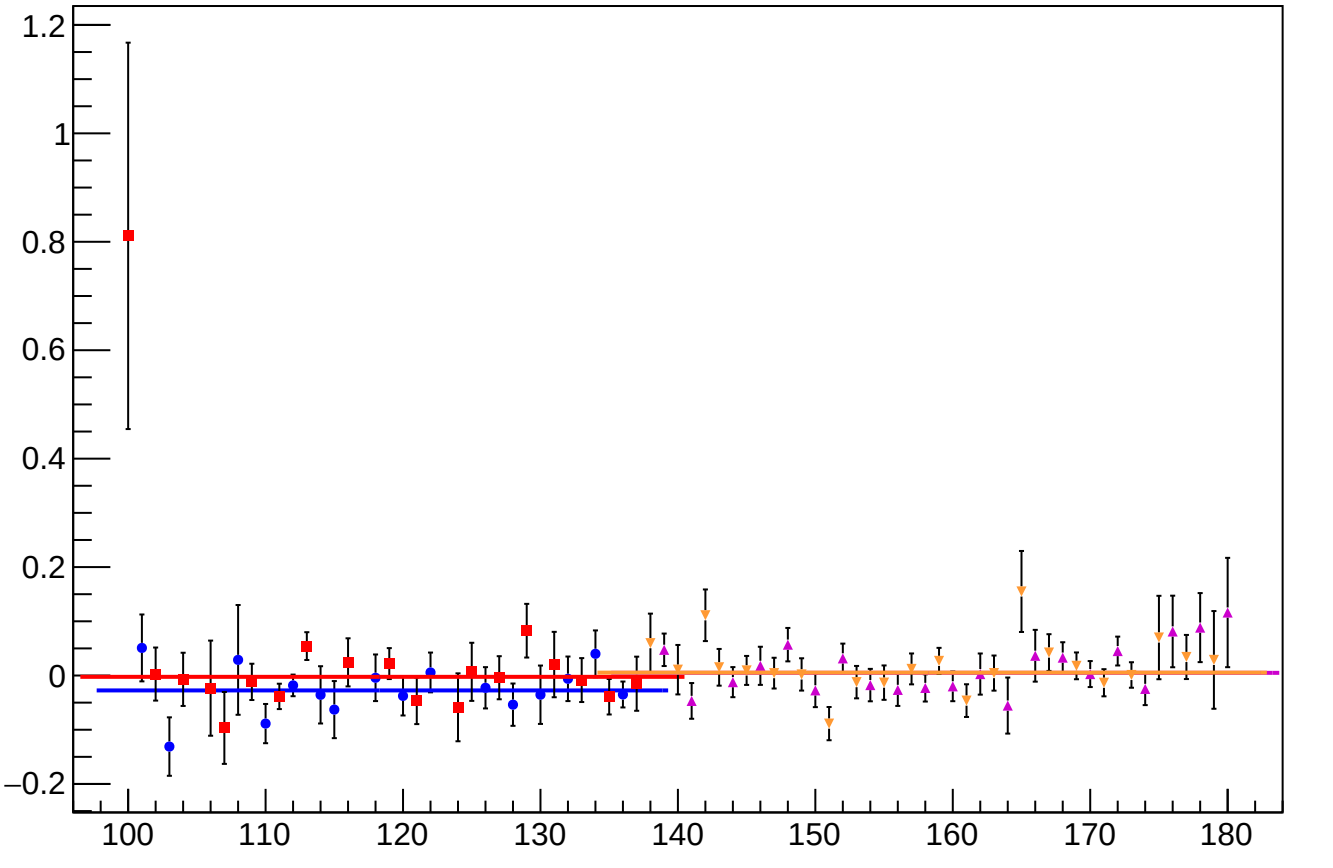
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.115+/-0.005 χ^2/NDF:1705276.1/20

+ sign 25.613+/-0.004 χ^2/NDF: 4164793.0/37

All: 25.744+/-0.003 χ^2/NDF: 7132774.7/77

- 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:27.3/21

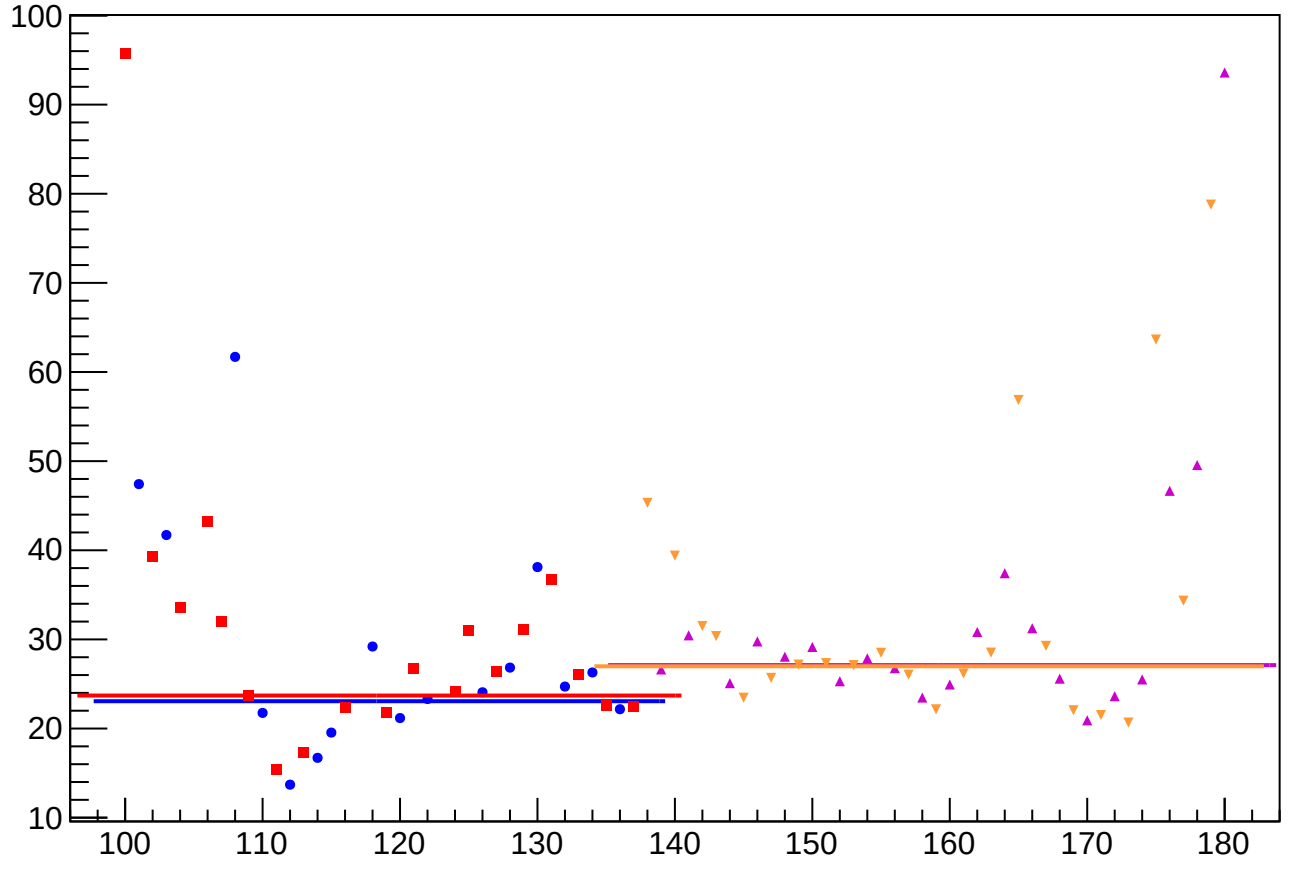
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.005+/-0.007 χ^2/NDF:24.0/20

+ sign -0.006+/-0.006 χ^2/NDF: 48.9/37

All: -0.002+/-0.004 χ^2/NDF: 96.5/77

- 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: 26.983+/-0.005 χ^2/NDF:2374051.3/21

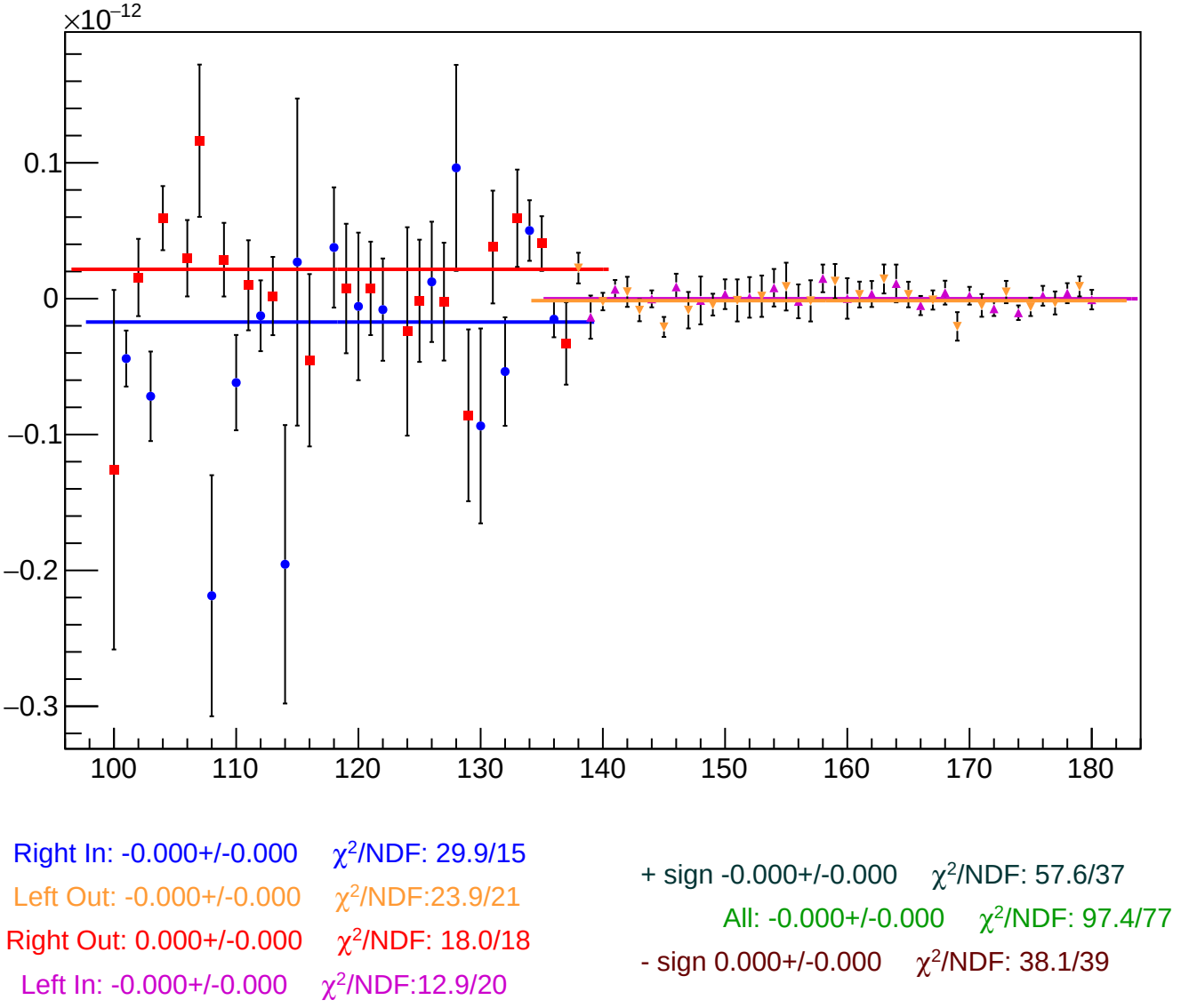
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

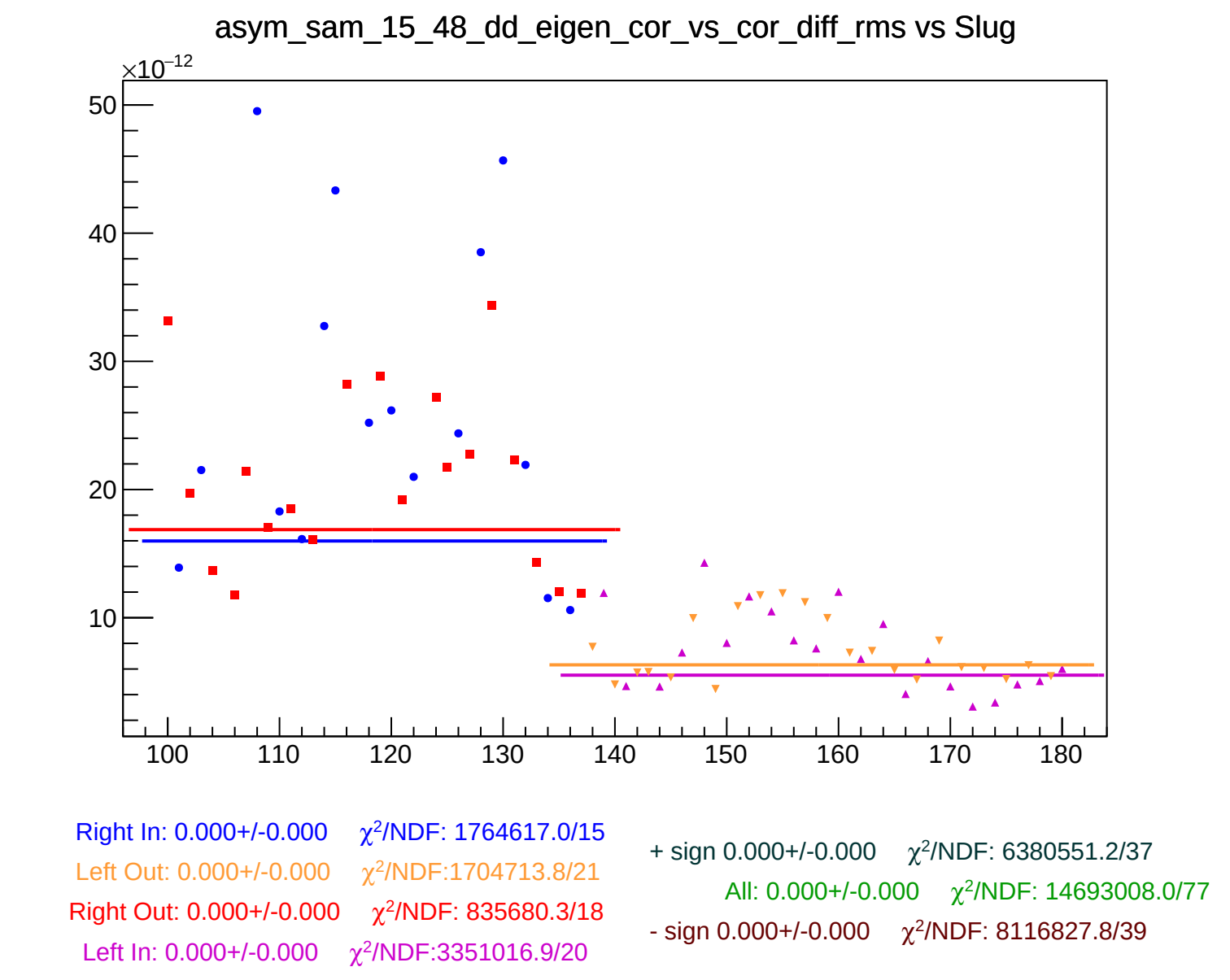
Left In: 27.115+/-0.005 χ^2/NDF:1705276.1/20

\+ sign 25.613+/-0.004 χ^2/NDF: 4164793.0/37

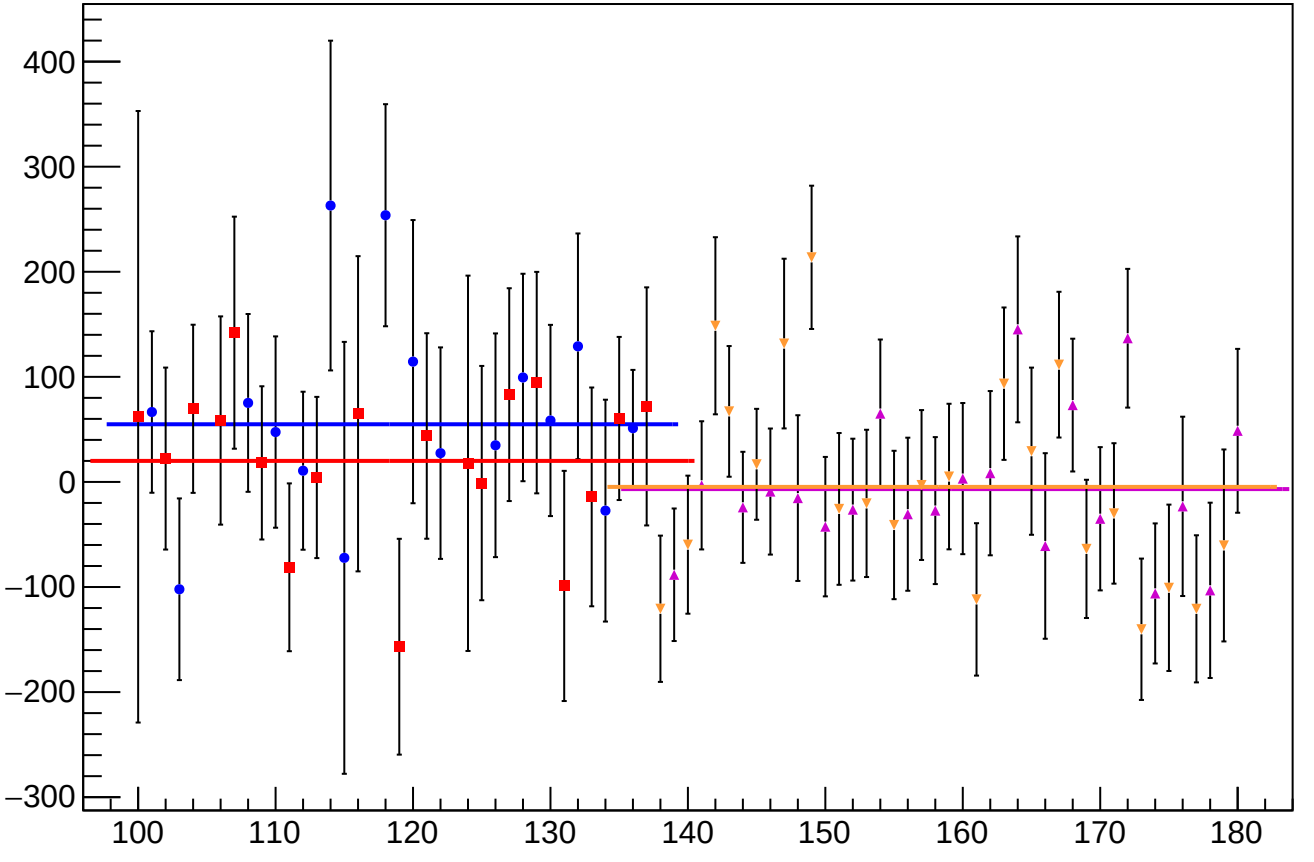
All: 25.744+/-0.003 χ^2/NDF: 7132774.7/77

\- sign 25.877+/-0.004 χ^2/NDF: 2965746.3/39


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 29.9/15
Left Out: -0.000+/-0.000 χ²/NDF:23.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 18.0/18
Left In: -0.000+/-0.000 χ²/NDF:12.9/20
+ sign -0.000+/-0.000 χ²/NDF: 57.6/37
All: -0.000+/-0.000 χ²/NDF: 97.4/77
- sign 0.000+/-0.000 χ²/NDF: 38.1/39


asym_sam_15_48_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: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1704713.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3351016.9/20
+ sign 0.000+/-0.000 χ²/NDF: 6380551.2/37
All: 0.000+/-0.000 χ²/NDF: 14693008.0/77
- 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: -4.717+/-14.954 χ^2/NDF:38.4/21

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

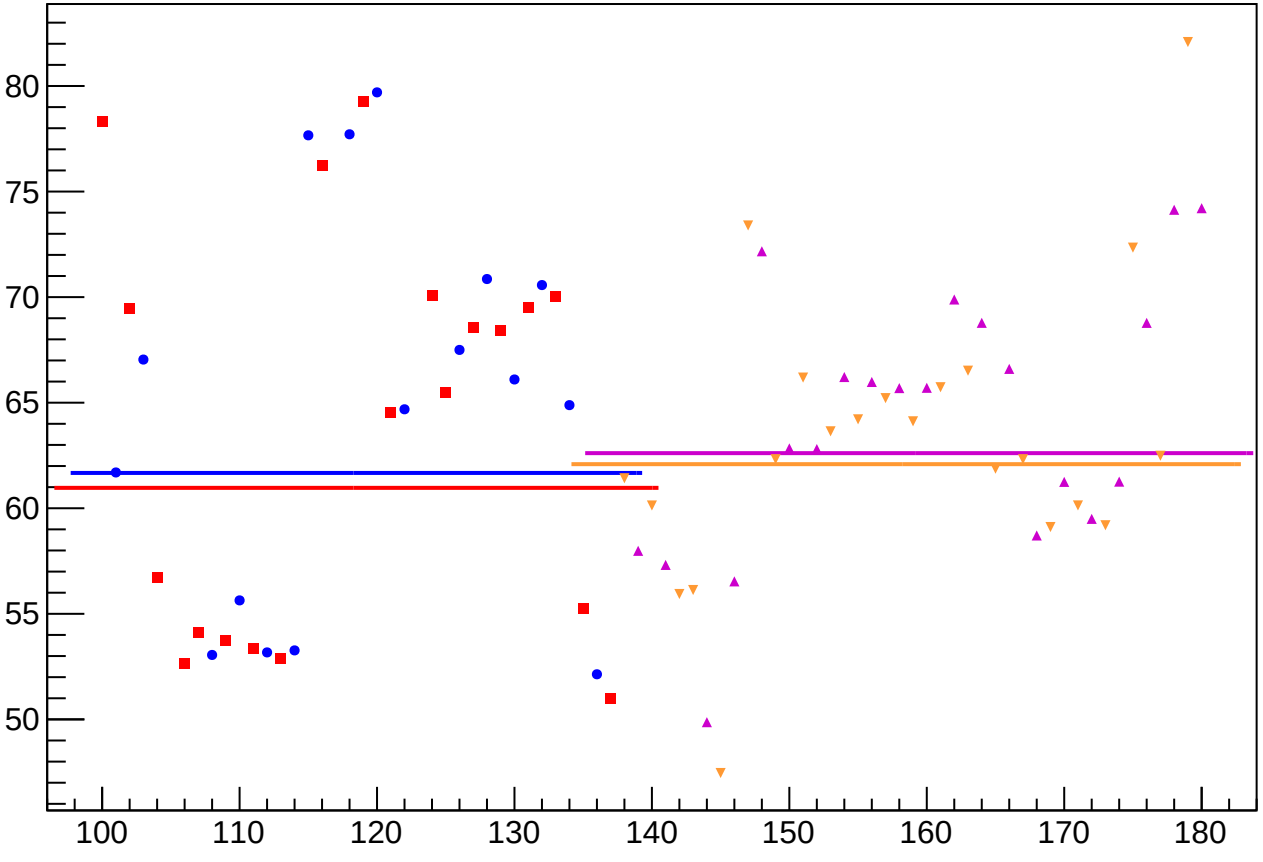
Left In: -6.809+/-15.185 χ^2/NDF:17.4/20

+ sign 12.799+/-12.566 χ^2/NDF: 54.1/37

All: 7.190+/-8.897 χ^2/NDF: 82.1/77

- 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: 62.088+/-0.011 χ^2/NDF:390195.2/21

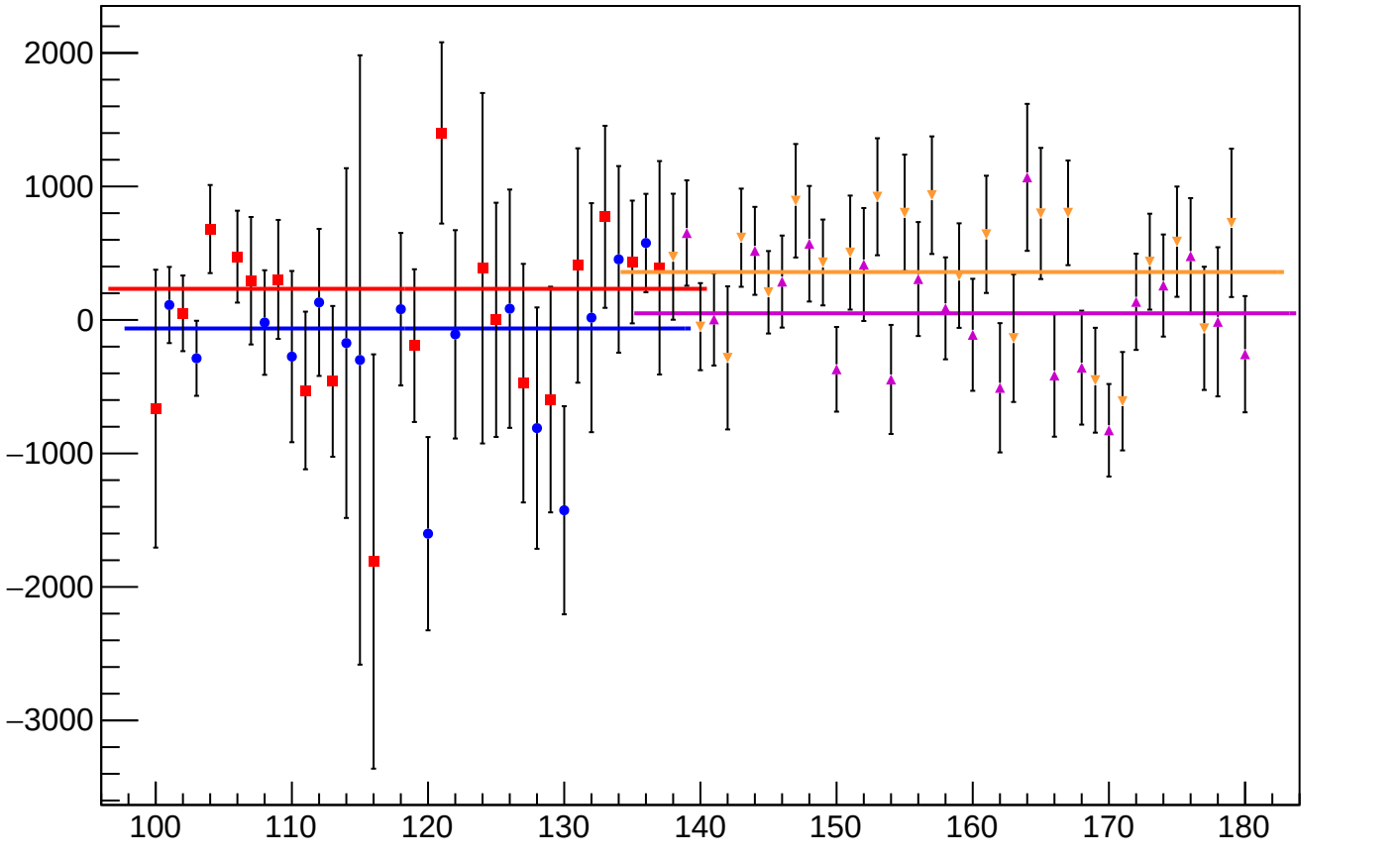
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 62.610+/-0.011 χ^2/NDF:346949.0/20

\+ sign 61.966+/-0.009 χ^2/NDF: 657756.9/37

All: 62.032+/-0.006 χ^2/NDF: 1296302.8/77

\- sign 62.098+/-0.009 χ^2/NDF: 638435.9/39



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 359.021+/-86.502 χ^2/NDF:26.3/21

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

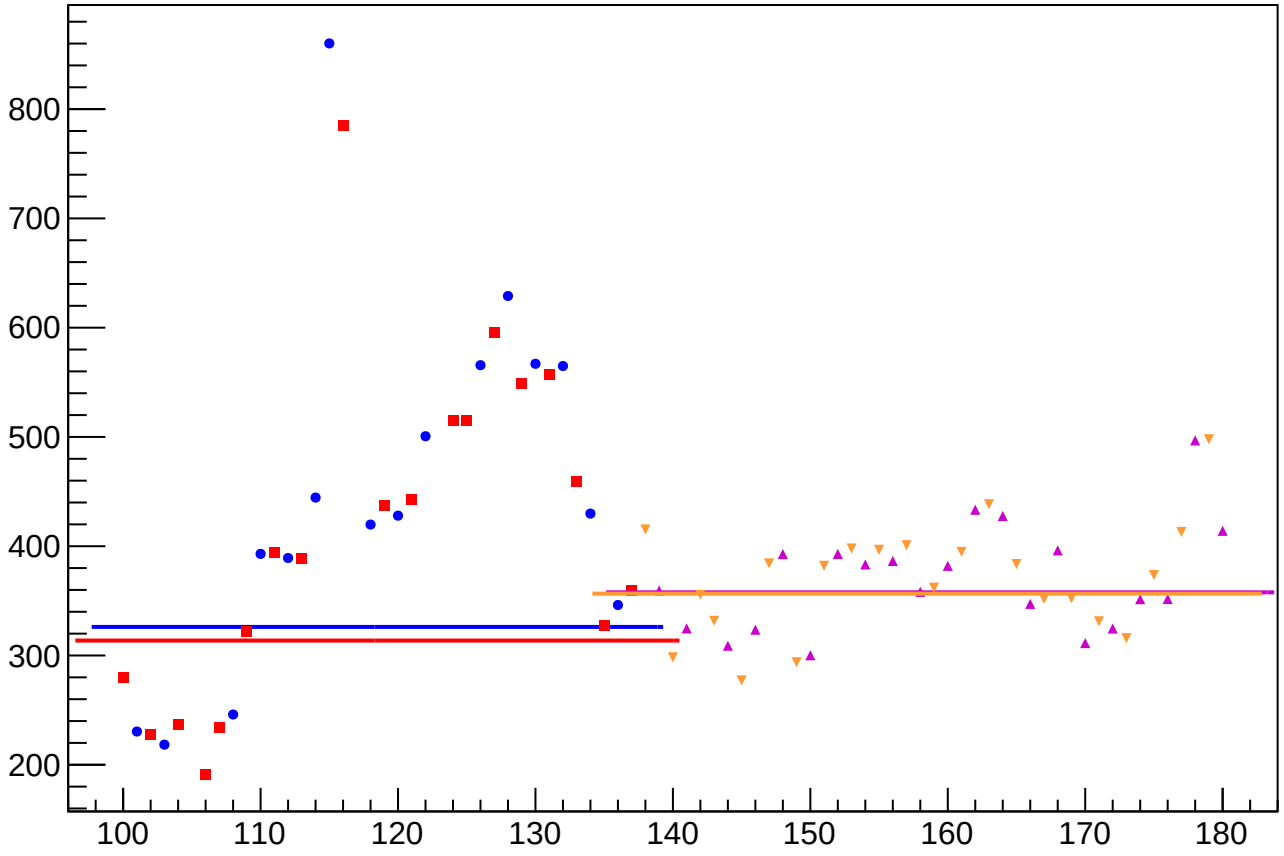
Left In: 49.710+/-87.133 χ^2/NDF:25.7/20

+ sign 228.803+/-71.960 χ^2/NDF: 46.8/37

All: 169.243+/-50.562 χ^2/NDF: 89.9/77

- sign 111.163+/-71.060 χ^2/NDF: 41.7/39

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 356.594+/-0.061 χ^2/NDF:661280.4/21

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

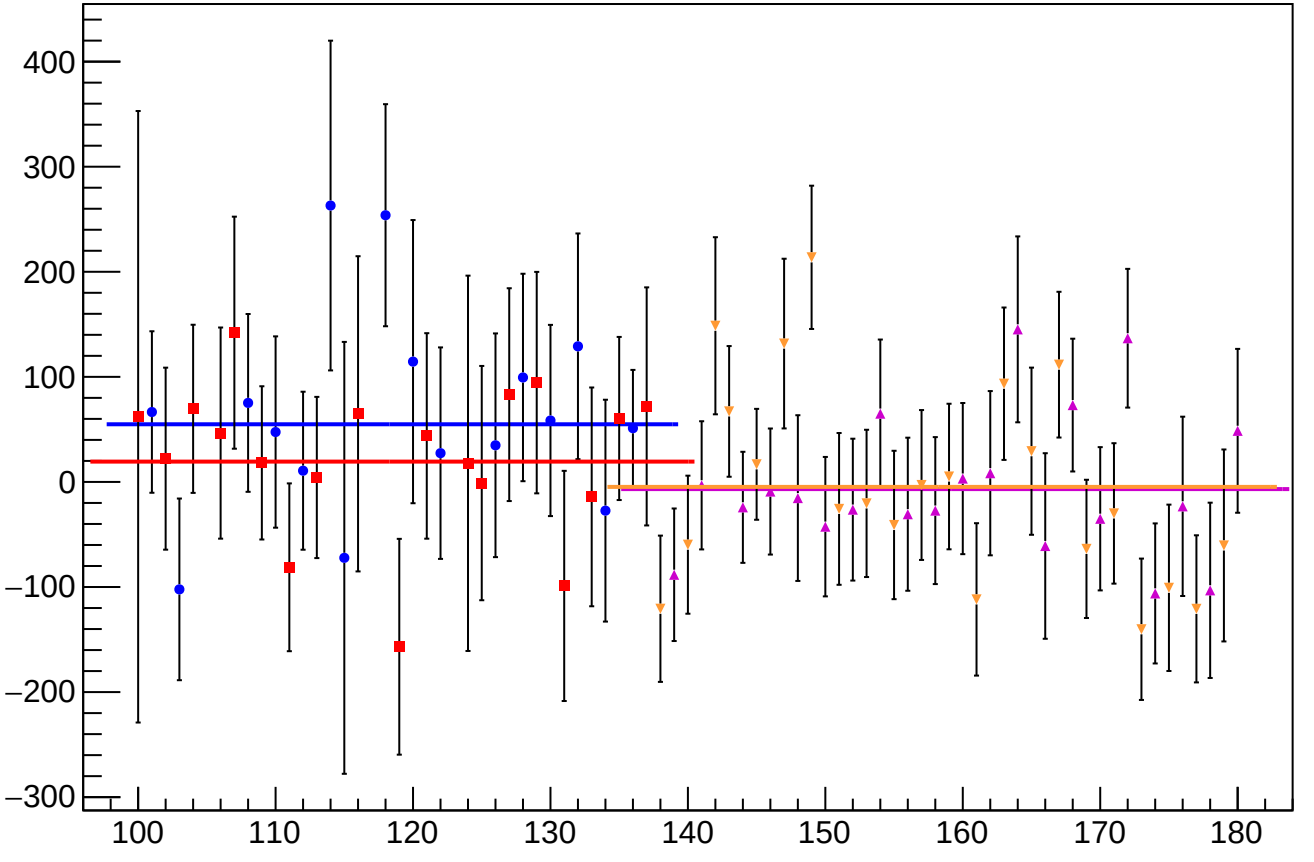
Left In: 357.804+/-0.062 χ^2/NDF:507588.8/20

+ sign 347.218+/-0.051 χ^2/NDF: 2471579.5/37

All: 345.095+/-0.036 χ^2/NDF: 4941783.0/77

- sign 343.024+/-0.050 χ^2/NDF: 2466764.2/39

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.720+/-14.954 χ^2/NDF:38.4/21

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

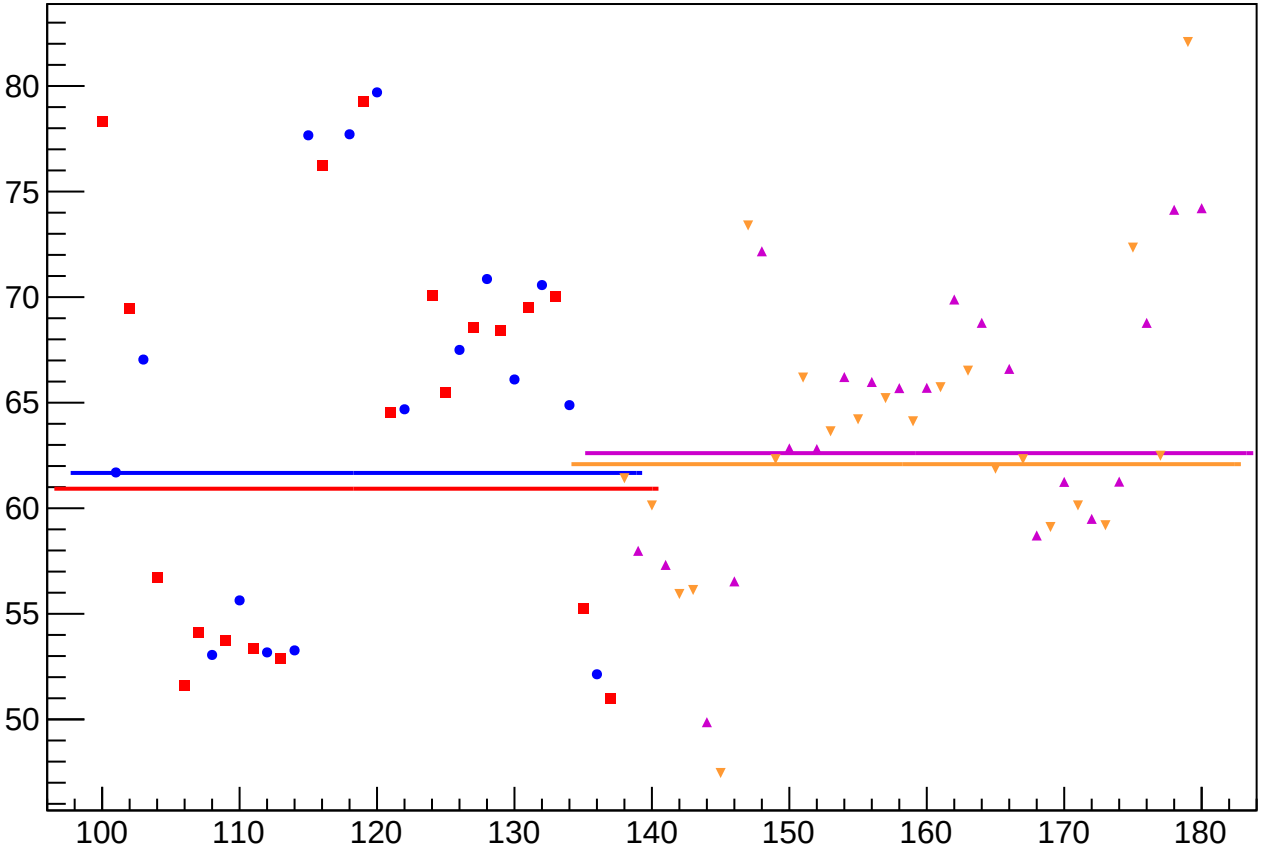
Left In: -6.808+/-15.185 χ^2/NDF:17.4/20

+ sign 12.796+/-12.566 χ^2/NDF: 54.1/37

All: 7.082+/-8.898 χ^2/NDF: 82.0/77

- 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: 62.088+/-0.011 χ^2/NDF:390195.2/21

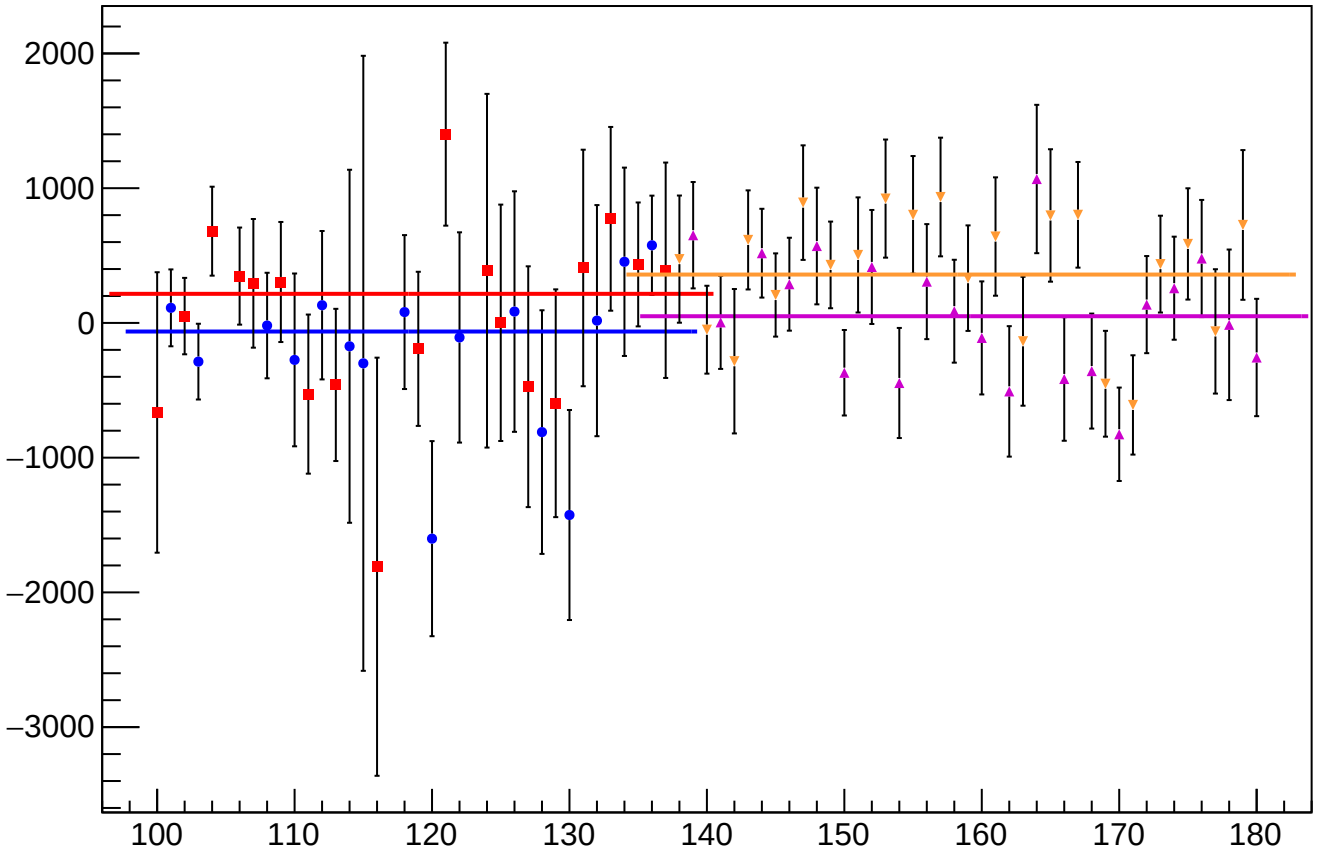
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.610+/-0.011 χ^2/NDF:346949.0/20

+ sign 61.966+/-0.009 χ^2/NDF: 657757.1/37

All: 62.026+/-0.006 χ^2/NDF: 1300039.4/77

- 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: 359.020+/-86.502 χ^2/NDF:26.3/21

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

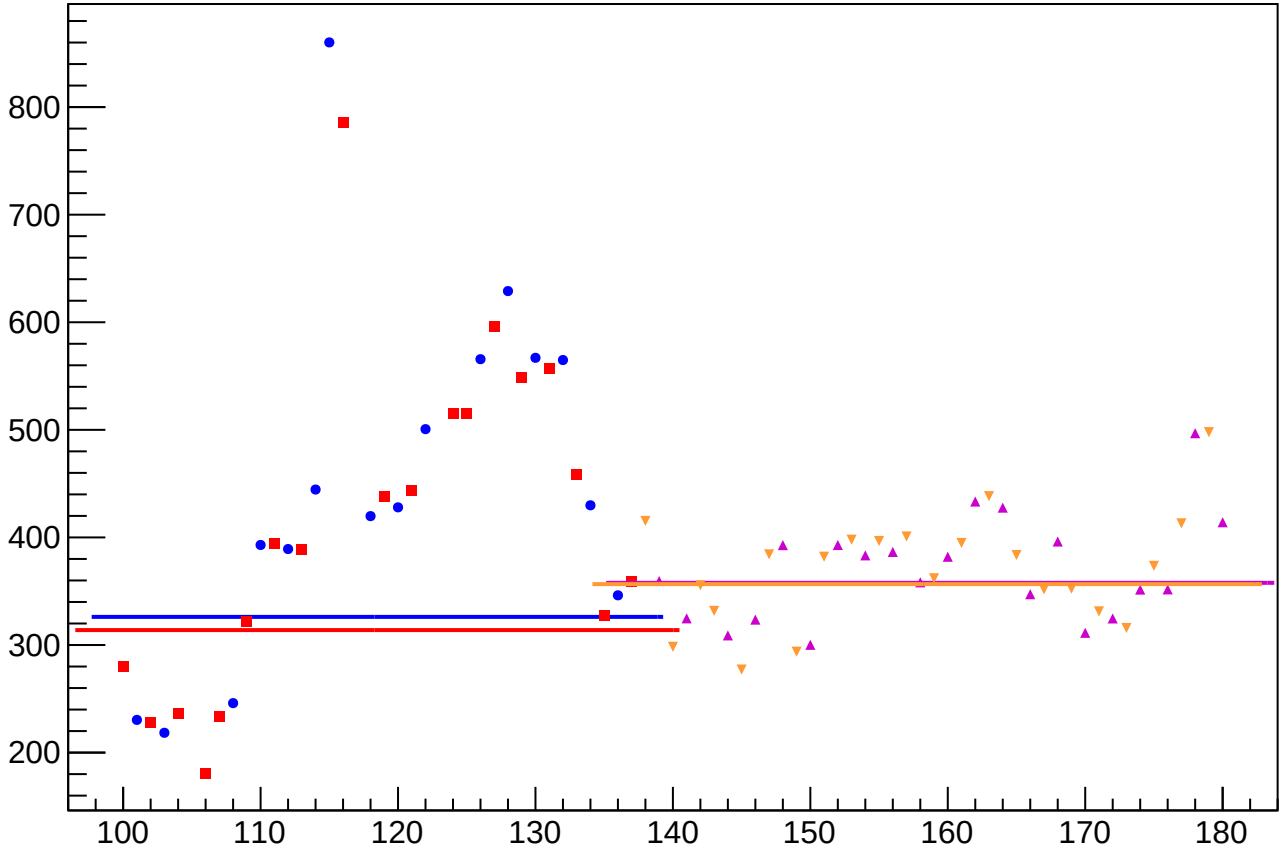
Left In: 49.708+/-87.133 χ^2/NDF:25.7/20

+ sign 228.807+/-71.961 χ^2/NDF: 46.8/37

All: 166.216+/-50.611 χ^2/NDF: 89.3/77

- 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: 356.594+/-0.061 χ^2/NDF:661277.6/21

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

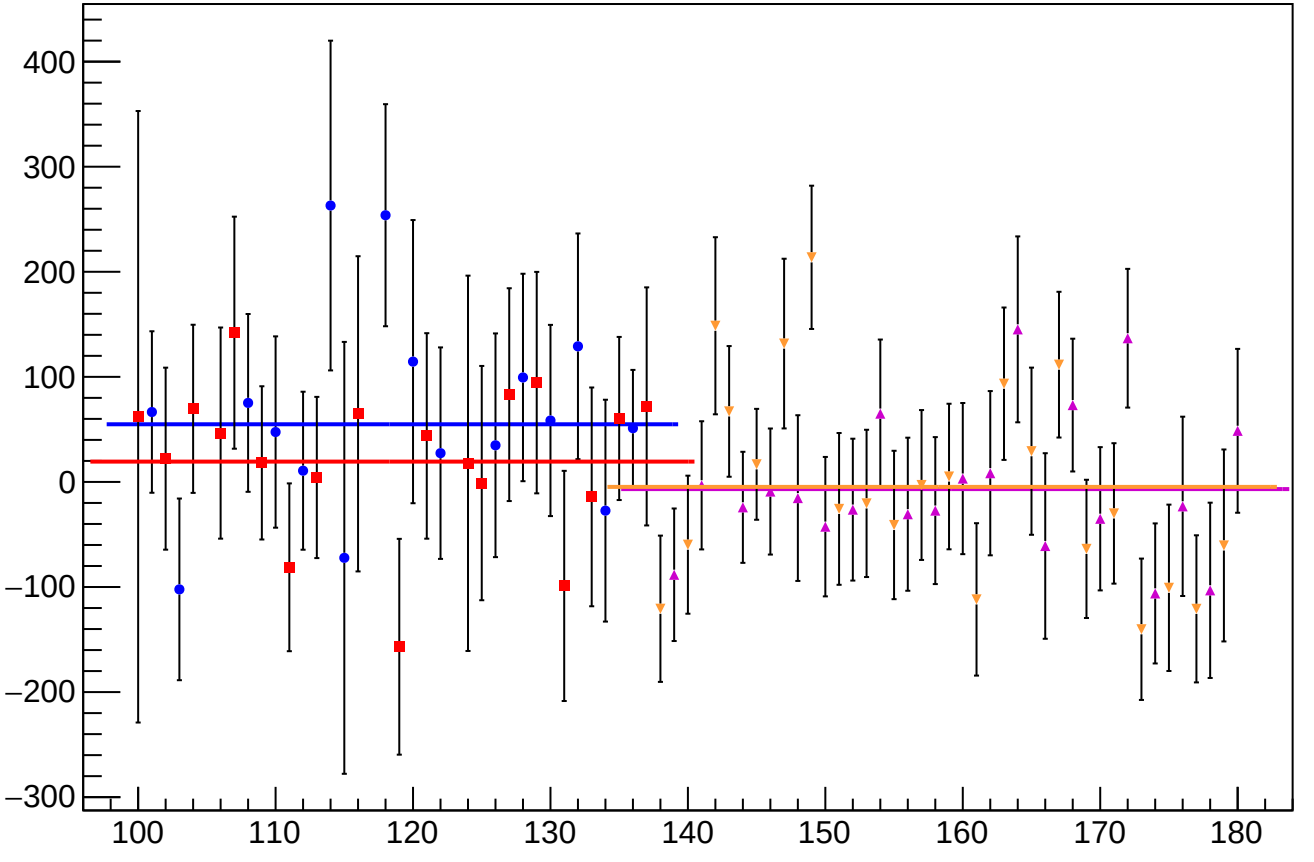
Left In: 357.804+/-0.062 χ^2/NDF:507591.4/20

+ sign 347.219+/-0.051 χ^2/NDF: 2471501.3/37

All: 345.187+/-0.036 χ^2/NDF: 4957102.1/77

- sign 343.199+/-0.050 χ^2/NDF: 2482445.8/39

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.720+/-14.954 χ^2/NDF:38.4/21

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

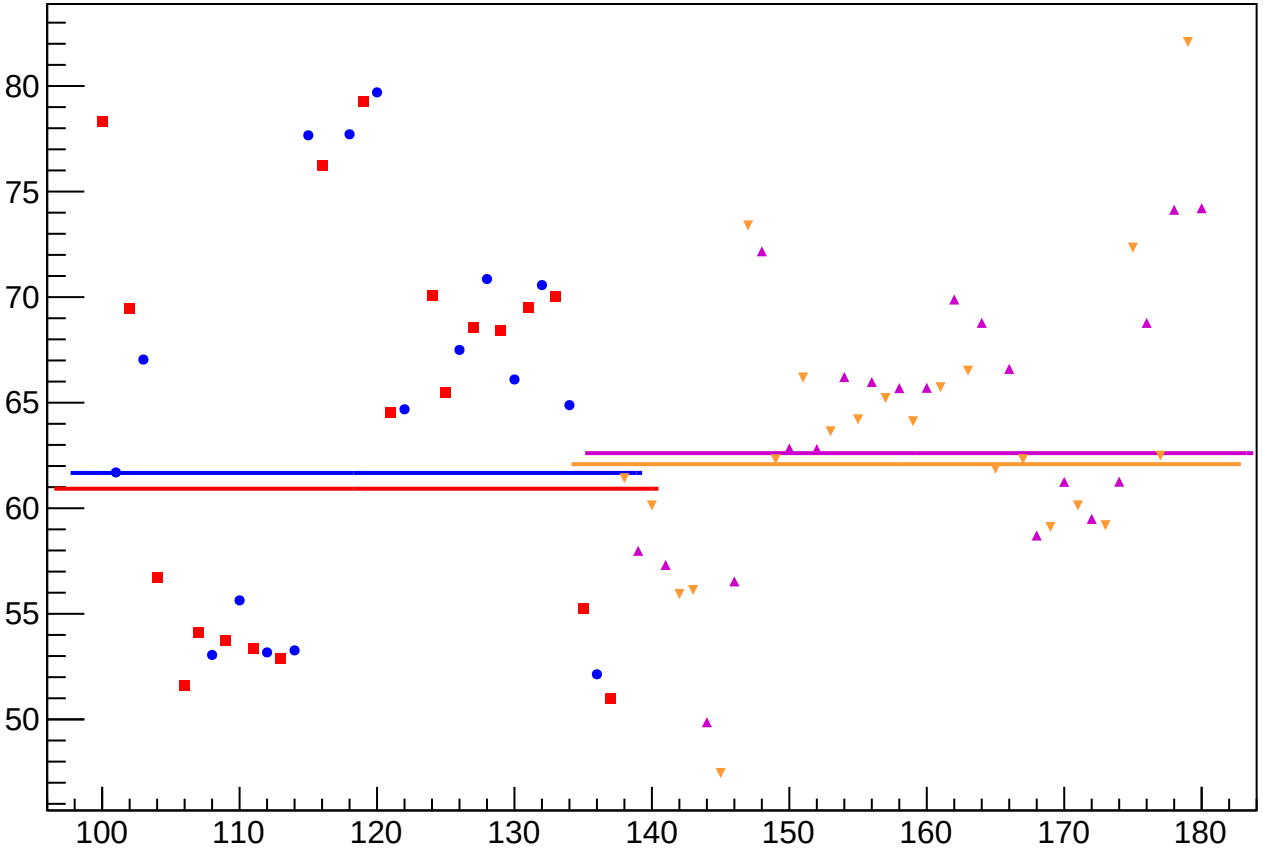
Left In: -6.808+/-15.185 χ^2/NDF:17.4/20

+ sign 12.796+/-12.566 χ^2/NDF: 54.1/37

All: 7.082+/-8.898 χ^2/NDF: 82.0/77

- 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: 62.088+/-0.011 χ^2/NDF:390195.2/21

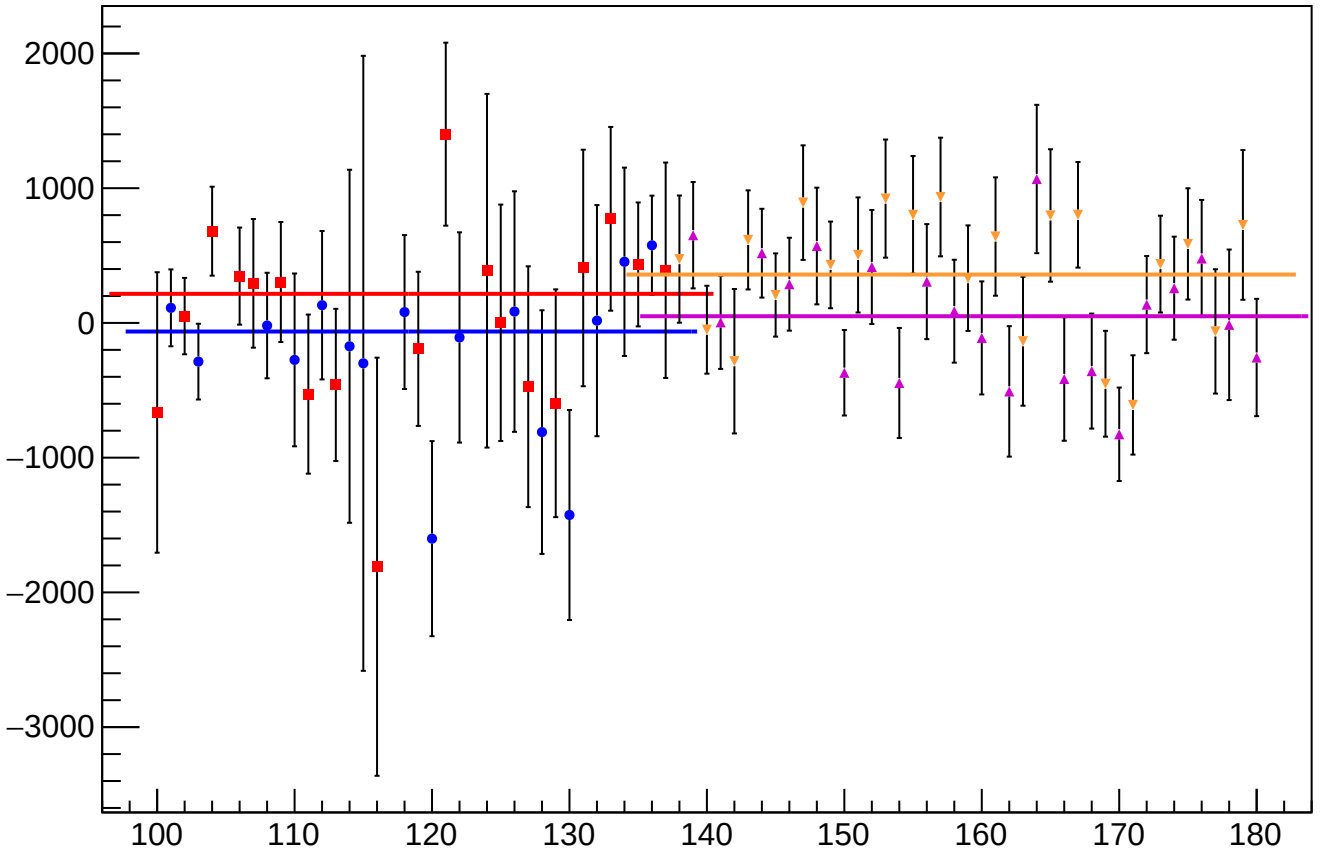
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.610+/-0.011 χ^2/NDF:346949.0/20

+ sign 61.966+/-0.009 χ^2/NDF: 657757.1/37

All: 62.026+/-0.006 χ^2/NDF: 1300039.4/77

- 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: 359.020+/-86.502 χ^2/NDF:26.3/21

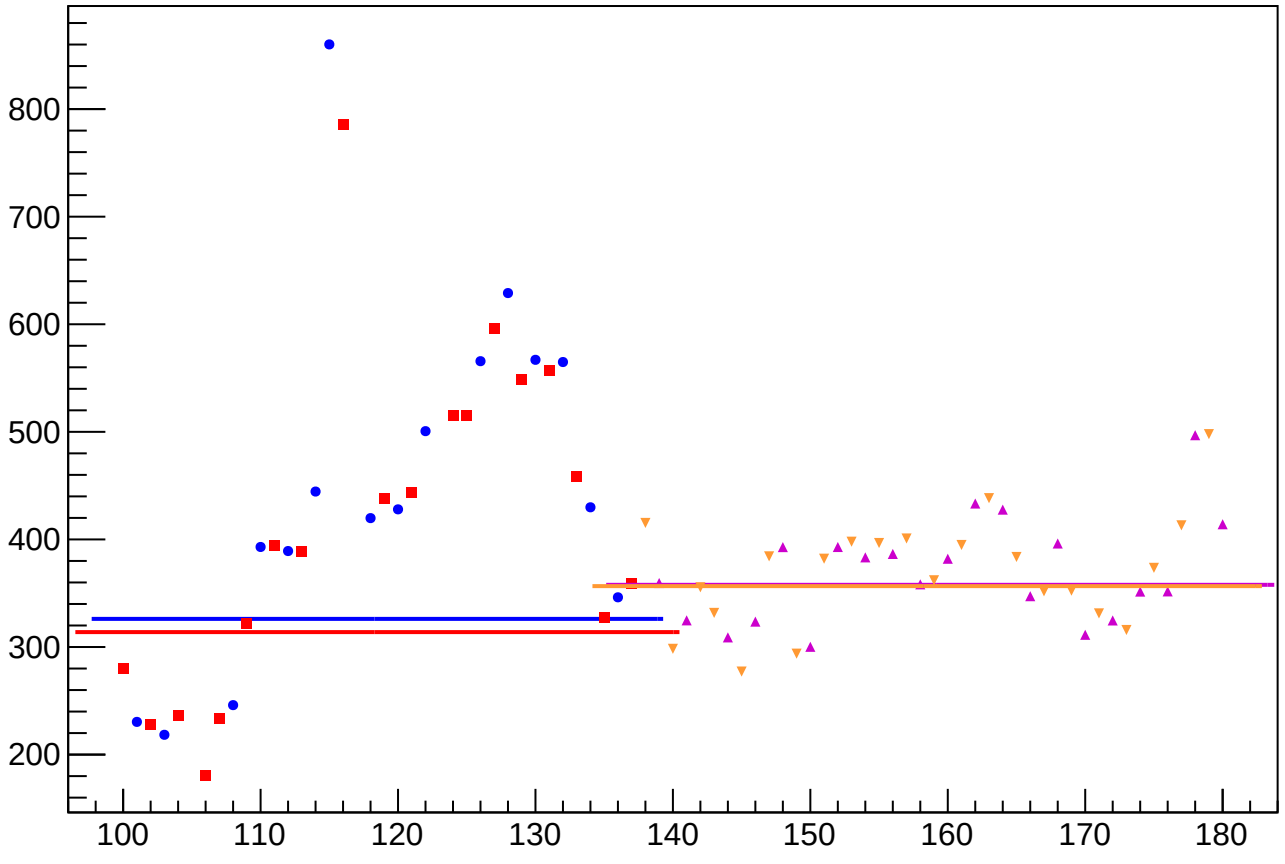
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 49.708+/-87.133 χ^2/NDF:25.7/20

+ sign 228.807+/-71.961 χ^2/NDF: 46.8/37

All: 166.216+/-50.611 χ^2/NDF: 89.3/77

- 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: 356.594+/-0.061 χ^2/NDF:661277.6/21

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

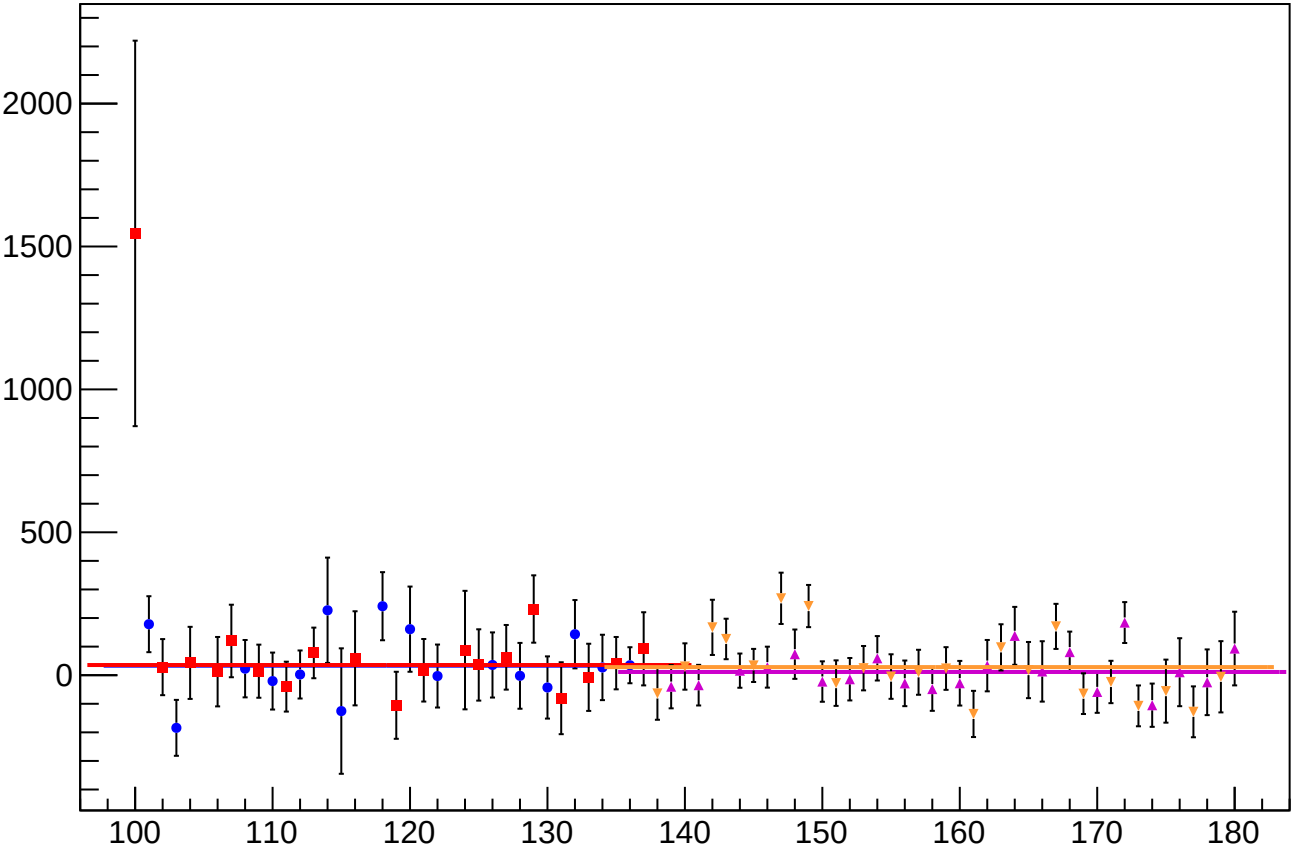
Left In: 357.804+/-0.062 χ^2/NDF:507591.4/20

+ sign 347.219+/-0.051 χ^2/NDF: 2471501.3/37

All: 345.187+/-0.036 χ^2/NDF: 4957102.1/77

- 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: 28.362+/-17.075 χ^2/NDF:39.0/21

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

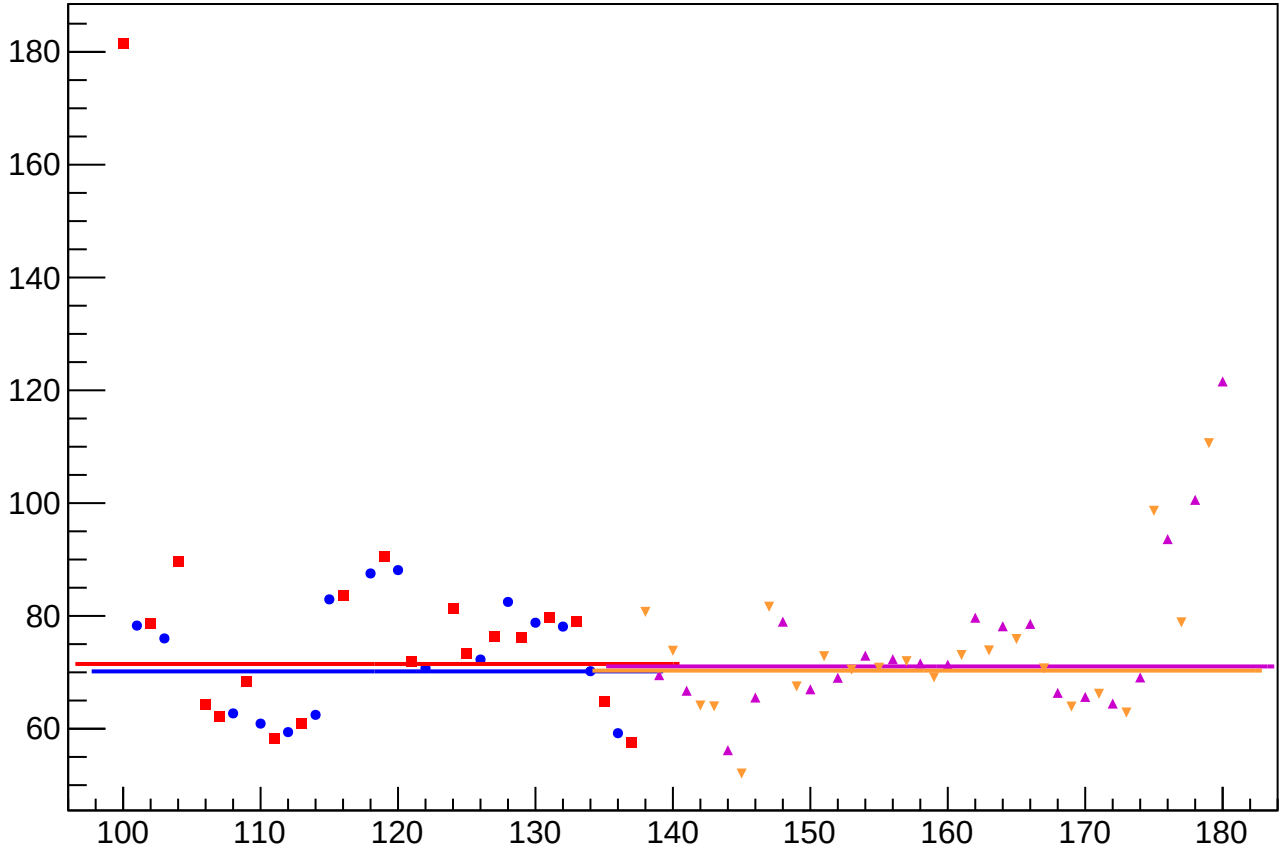
Left In: 11.247+/-17.439 χ^2/NDF:15.5/20

+ sign 29.846+/-14.340 χ^2/NDF: 53.5/37

All: 24.307+/-10.221 χ^2/NDF: 82.0/77

- 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: 70.303+/-0.012 χ^2/NDF:706786.5/21

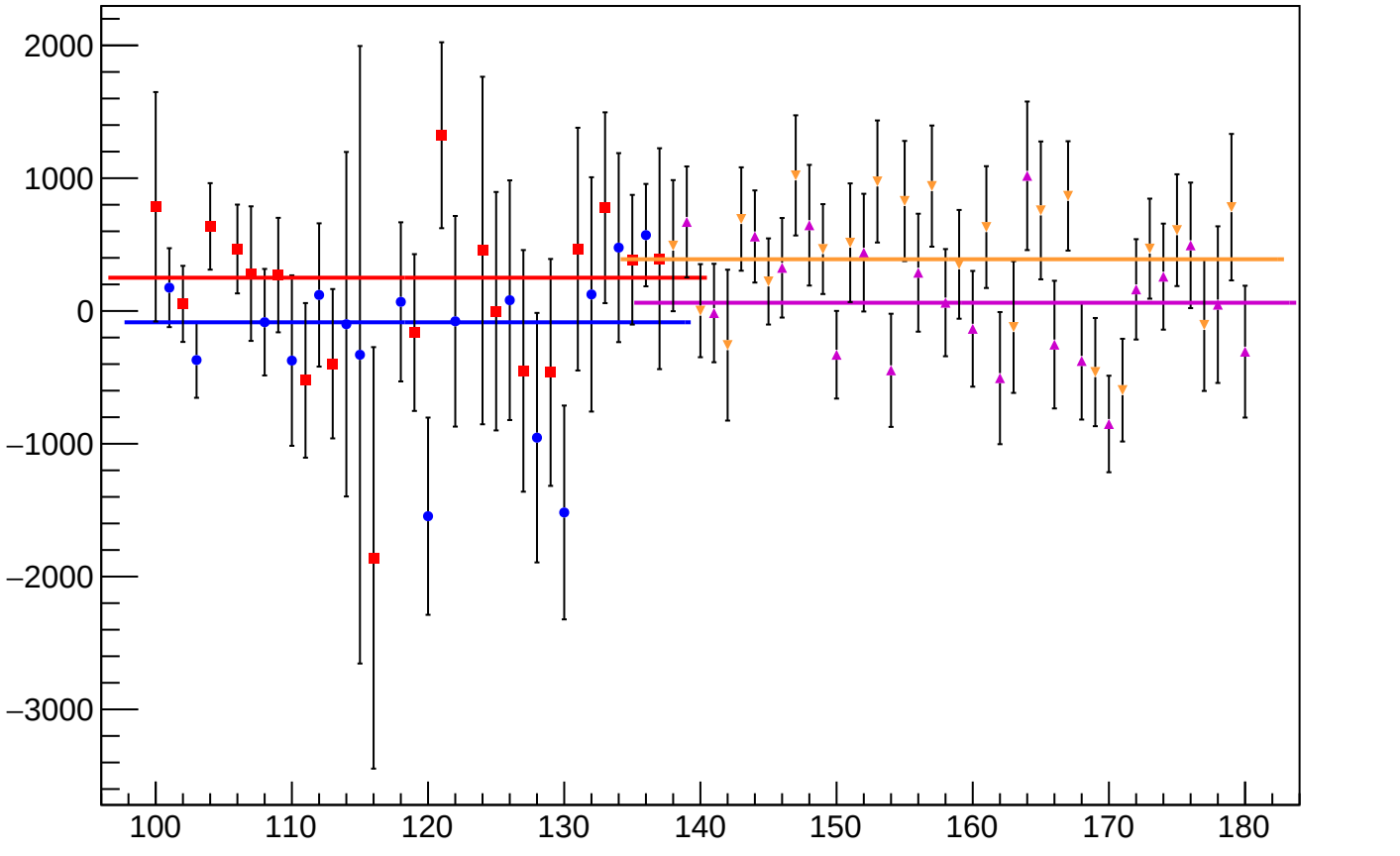
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 71.044+/-0.012 χ^2/NDF:757526.1/20

\+ sign 70.263+/-0.010 χ^2/NDF: 976073.5/37

All: 70.712+/-0.007 χ^2/NDF: 2063688.3/77

\- sign 71.176+/-0.010 χ^2/NDF: 1083624.1/39



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 389.629+/-90.673 χ^2/NDF:25.4/21

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

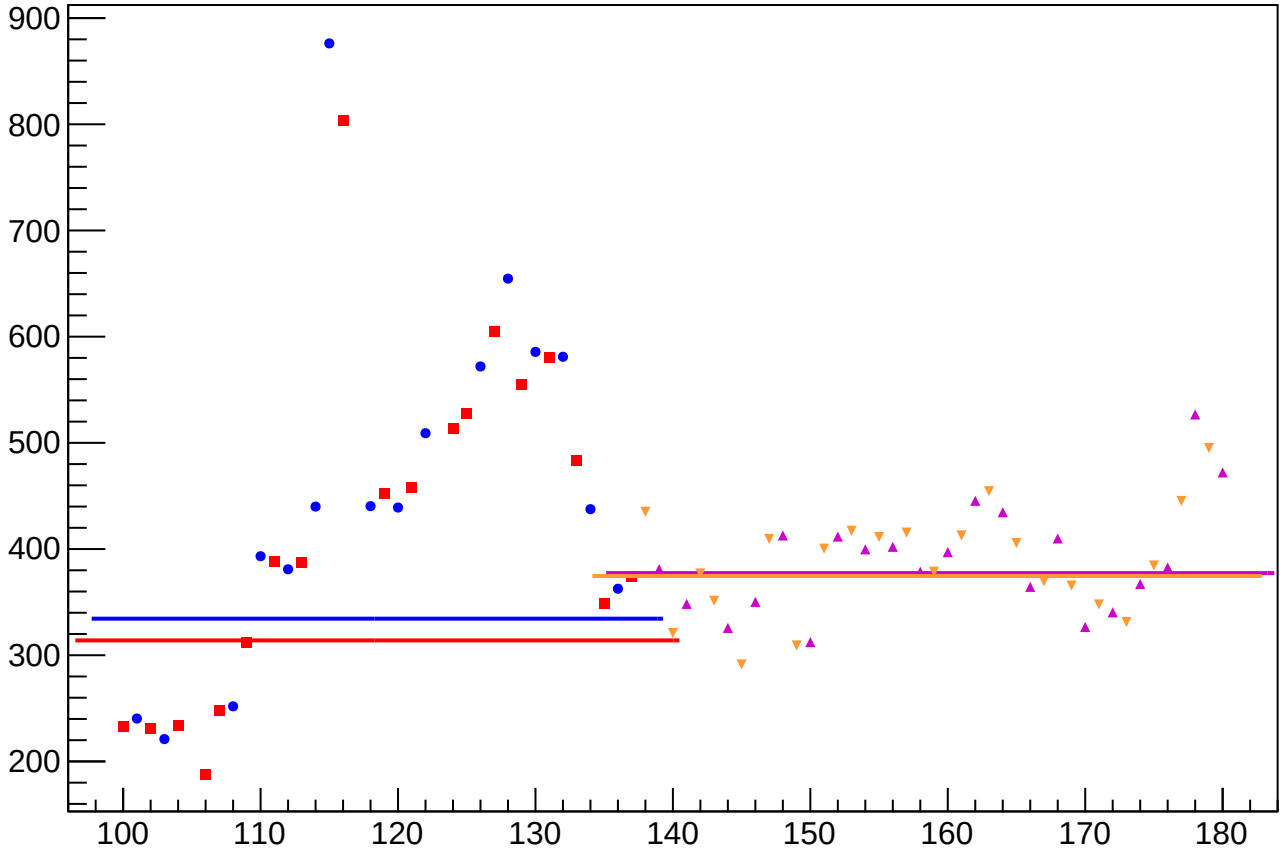
Left In: 61.949+/-91.868 χ^2/NDF:24.0/20

+ sign 238.777+/-74.897 χ^2/NDF: 47.8/37

All: 183.099+/-52.520 χ^2/NDF: 86.9/77

- 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: 374.568+/-0.064 χ^2/NDF:603208.4/21

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

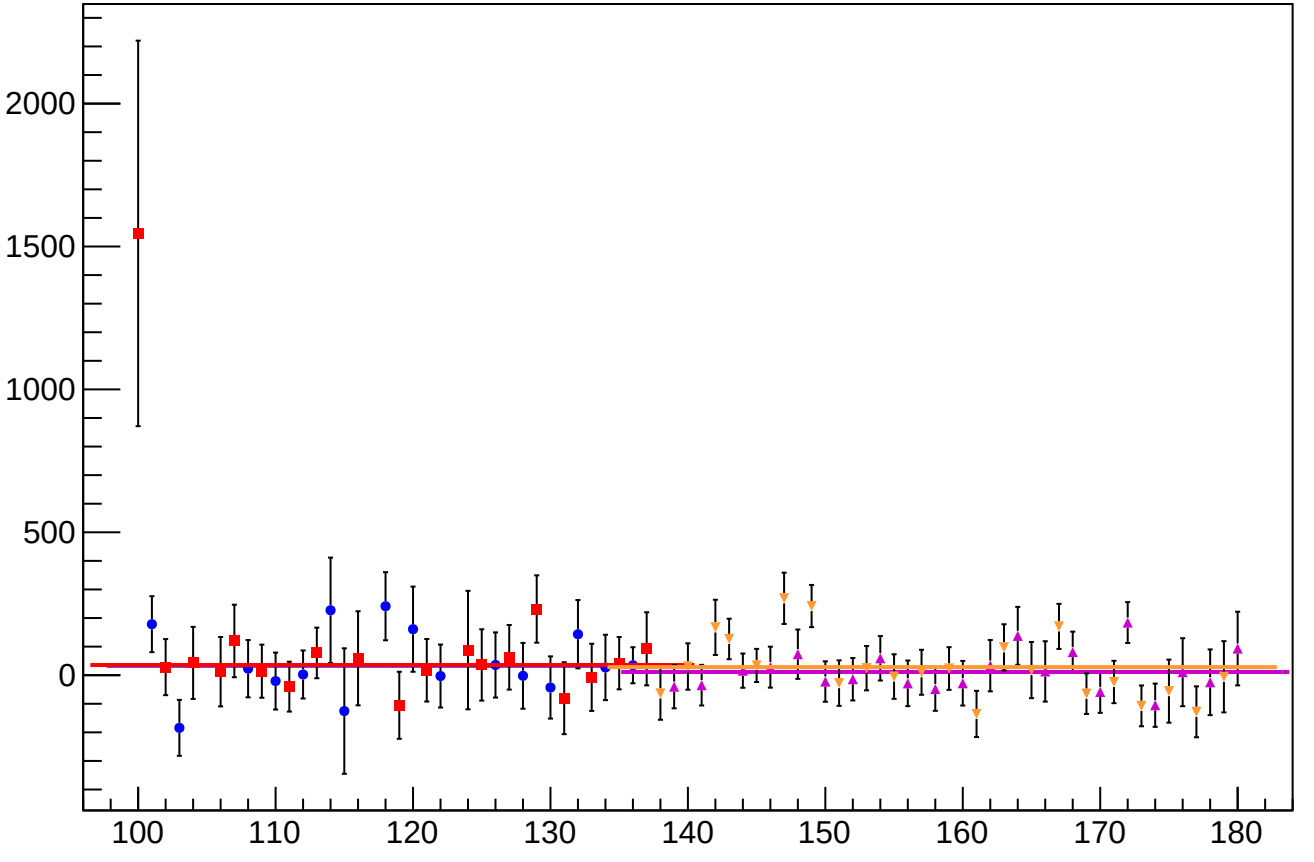
Left In: 377.369+/-0.065 χ^2/NDF:516537.7/20

+ sign 361.816+/-0.053 χ^2/NDF: 2458325.7/37

All: 358.219+/-0.037 χ^2/NDF: 5228549.7/77

- 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: 28.361+/-17.075 χ^2/NDF:39.0/21

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

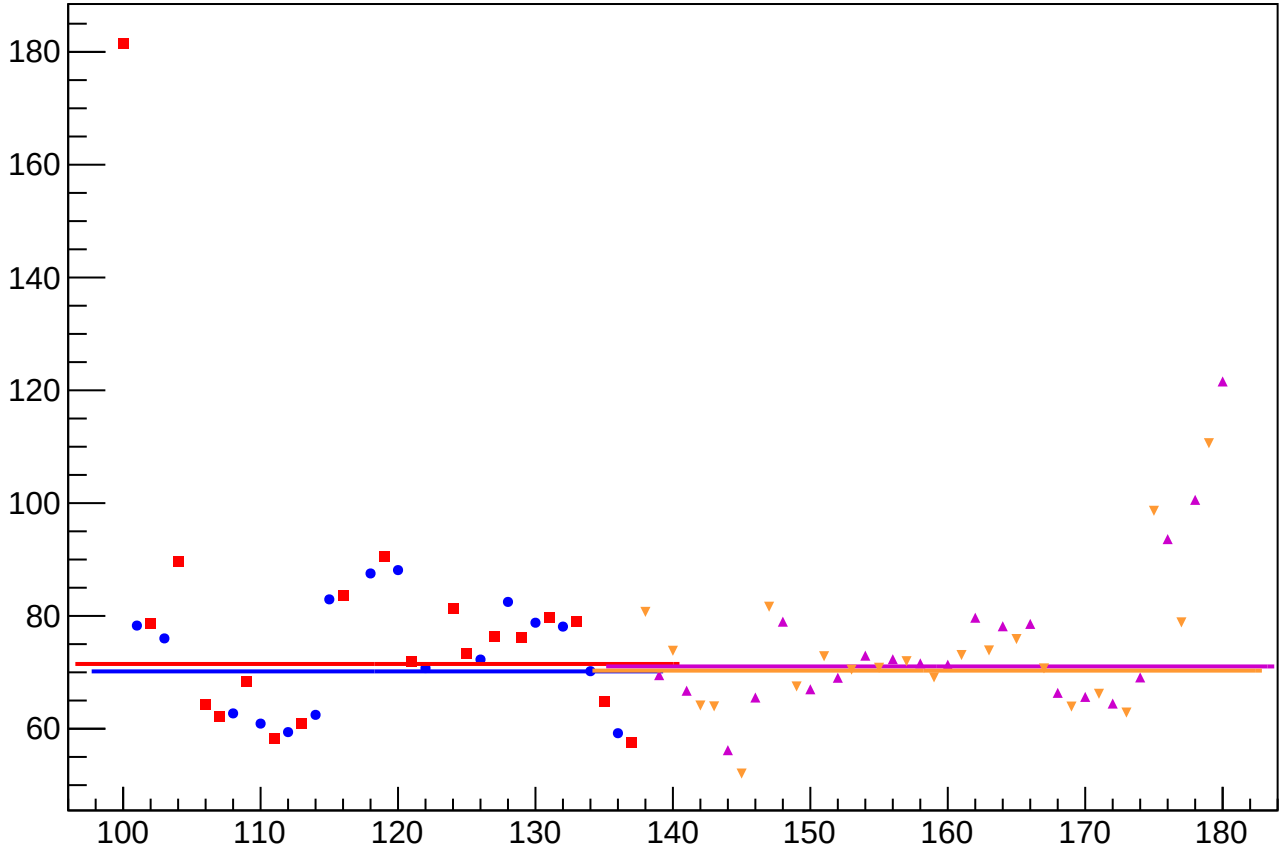
Left In: 11.247+/-17.439 χ^2/NDF:15.5/20

+ sign 29.845+/-14.340 χ^2/NDF: 53.5/37

All: 24.306+/-10.221 χ^2/NDF: 82.0/77

- 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: 70.303+/-0.012 χ^2/NDF:706793.5/21

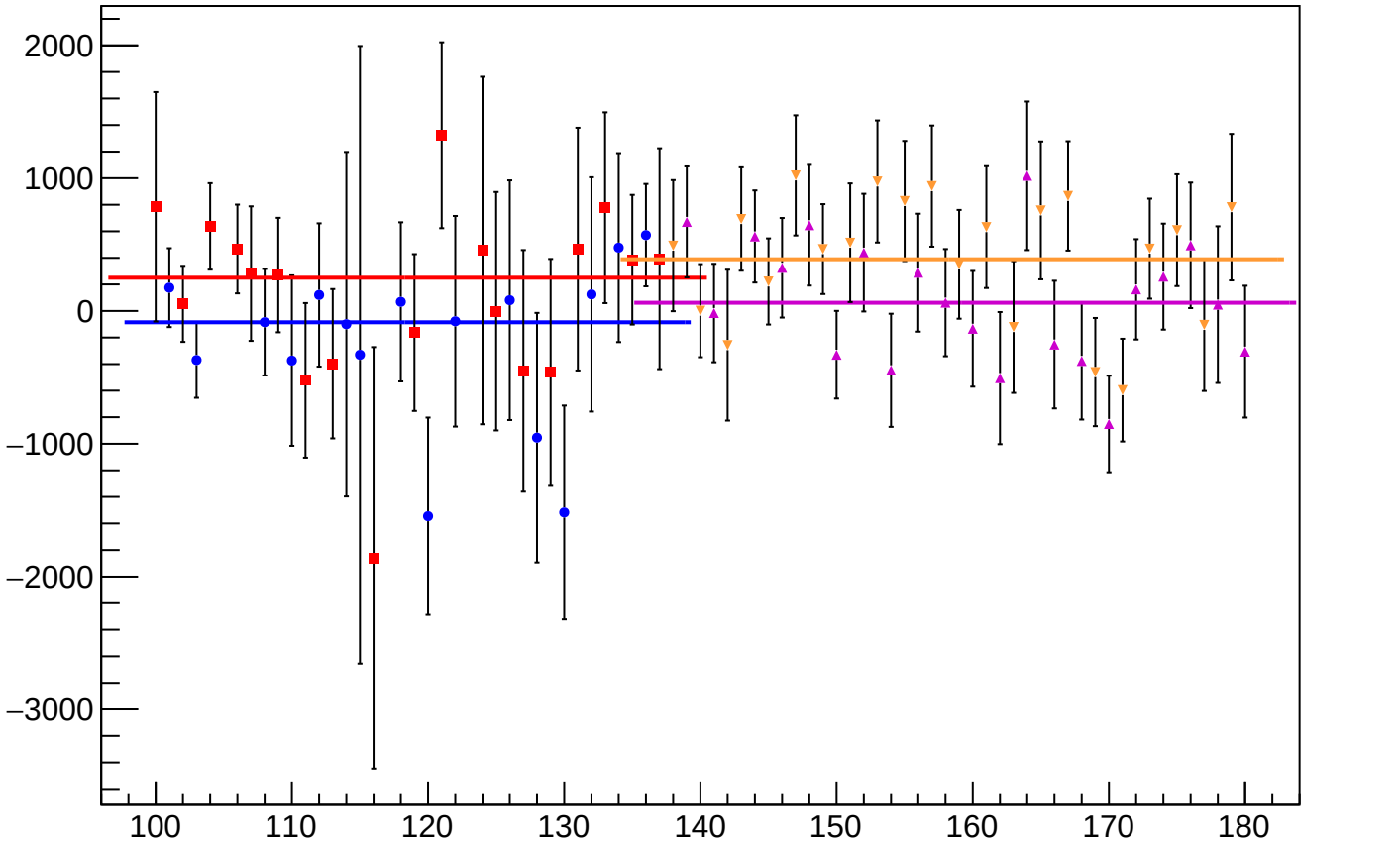
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 71.044+/-0.012 χ^2/NDF:757513.9/20

+ sign 70.263+/-0.010 χ^2/NDF: 976083.5/37

All: 70.712+/-0.007 χ^2/NDF: 2063692.8/77

- 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: 389.628+/-90.673 χ^2/NDF:25.4/21

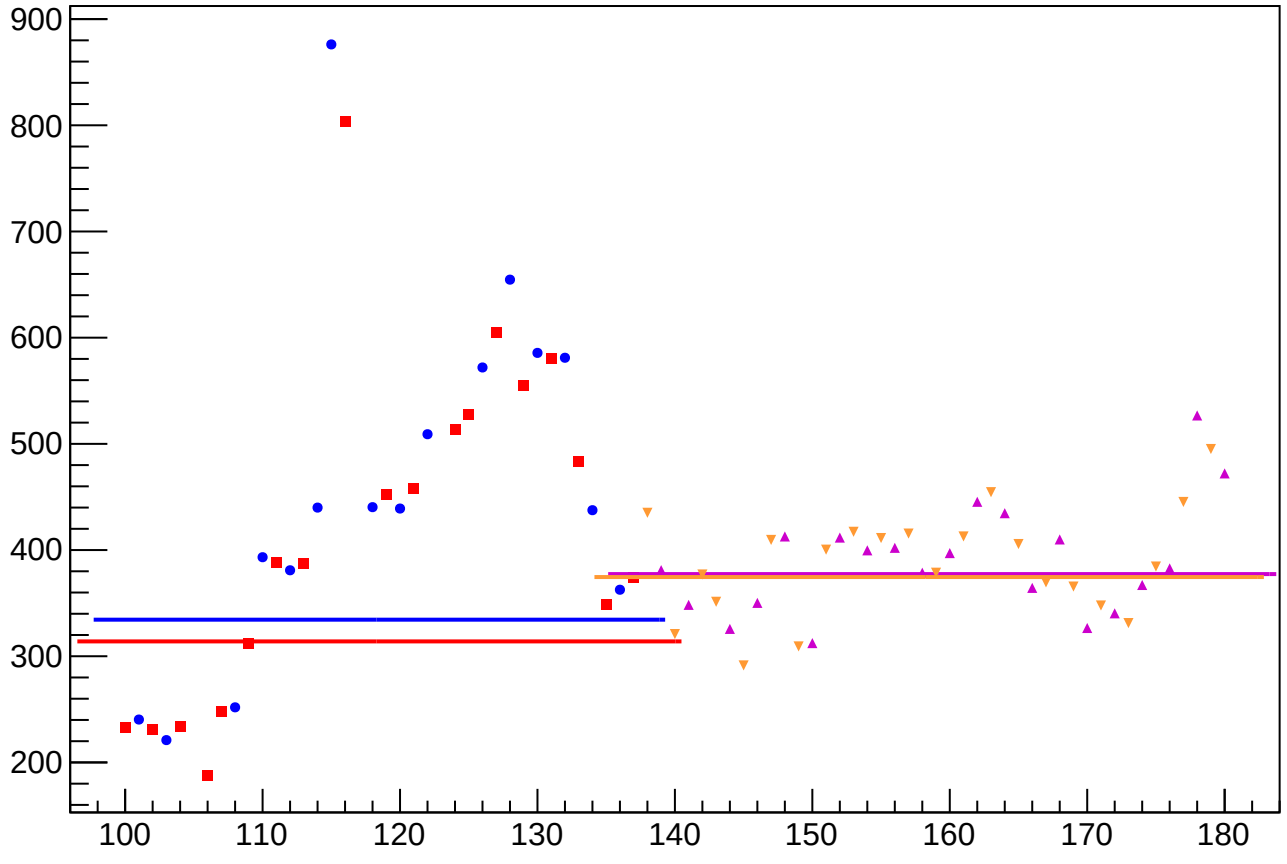
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 61.948+/-91.868 χ^2/NDF:24.0/20

+ sign 238.776+/-74.897 χ^2/NDF: 47.8/37

All: 183.099+/-52.520 χ^2/NDF: 86.9/77

- 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: 374.568+/-0.064 χ^2/NDF:603208.5/21

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

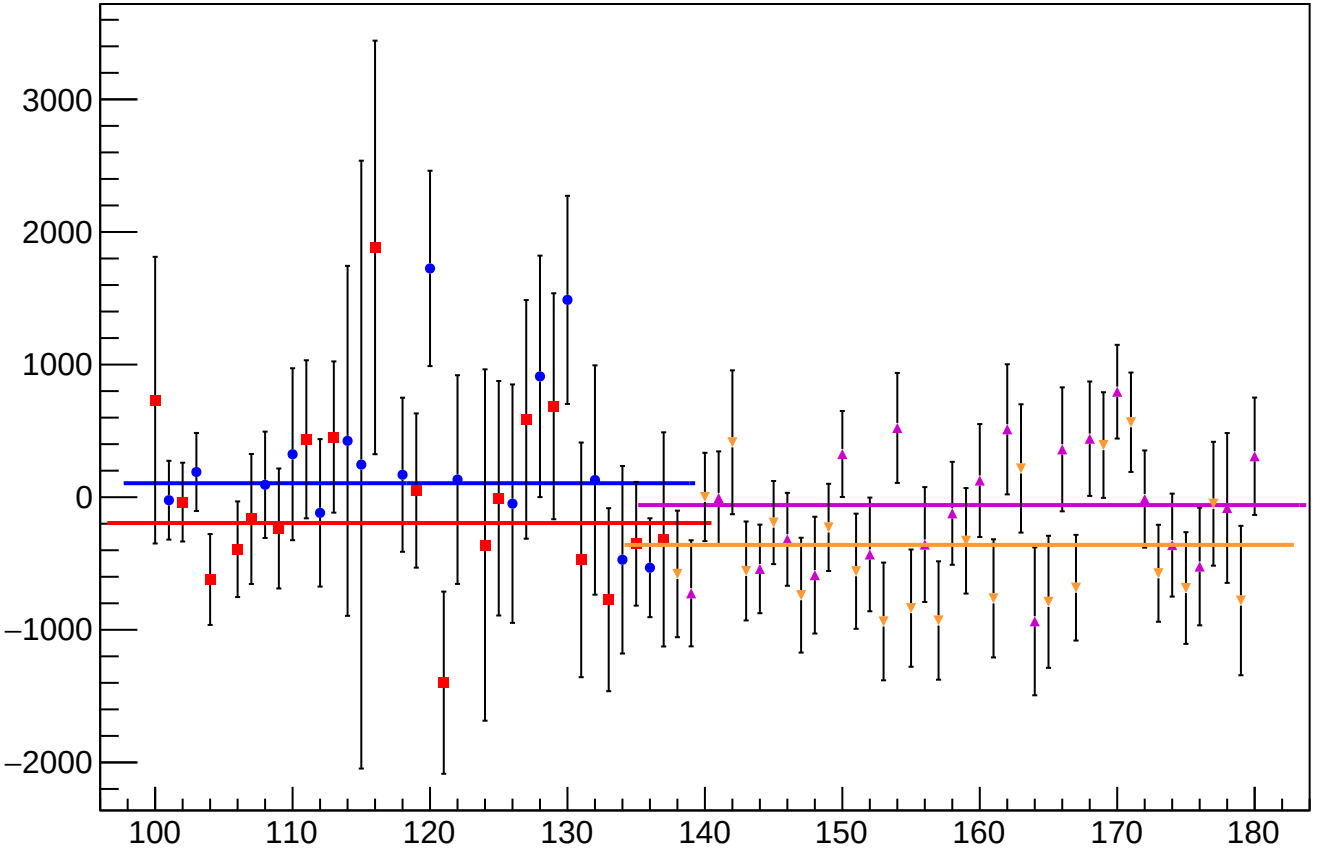
Left In: 377.369+/-0.065 χ^2/NDF:516532.9/20

+ sign 361.816+/-0.053 χ^2/NDF: 2458321.5/37

All: 358.219+/-0.037 χ^2/NDF: 5228536.3/77

- 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: -359.610+/-87.872 χ^2/NDF:24.9/21

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

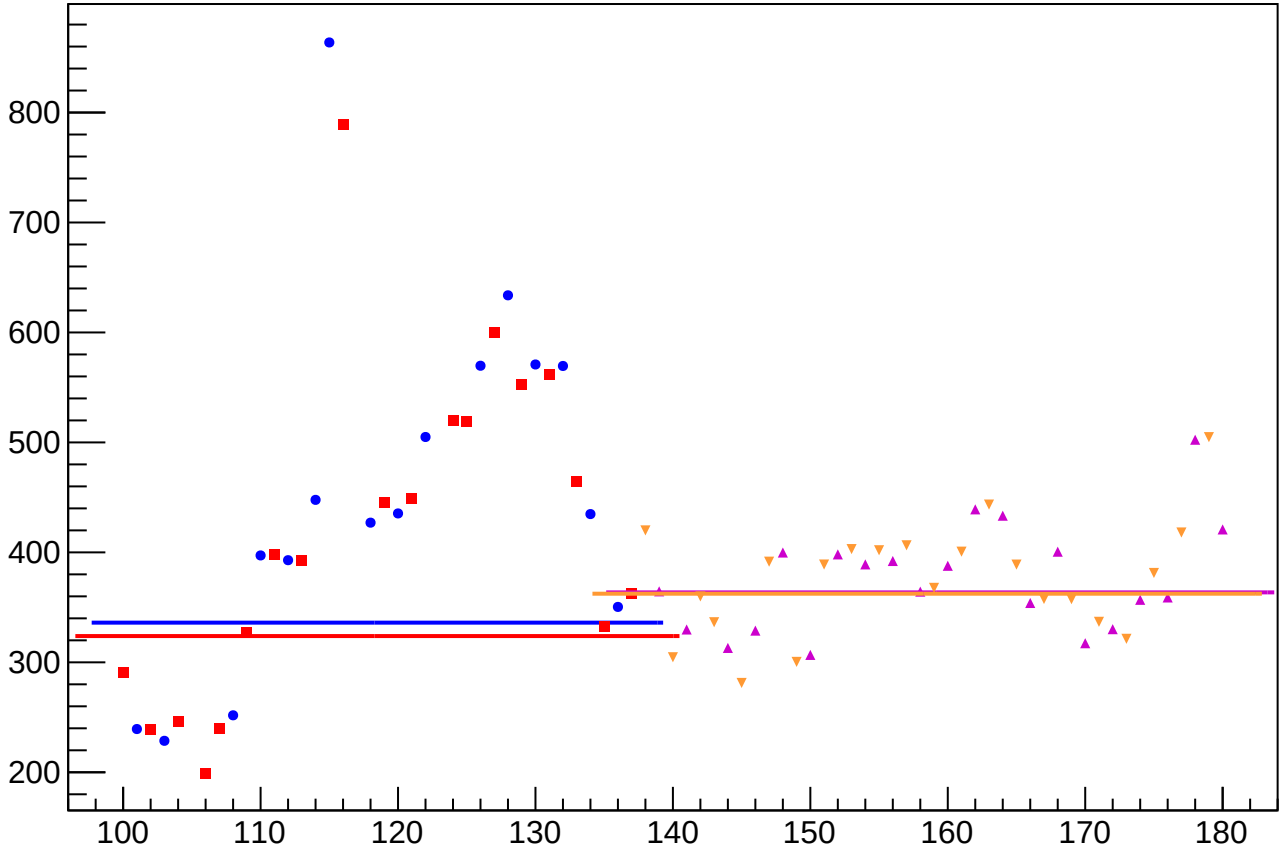
Left In: -59.508+/-88.520 χ^2/NDF:25.9/20

+ sign -218.378+/-73.323 χ^2/NDF: 46.3/37

All: -160.567+/-51.543 χ^2/NDF: 87.4/77

- 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: 362.410+/-0.062 χ^2/NDF:645162.3/21

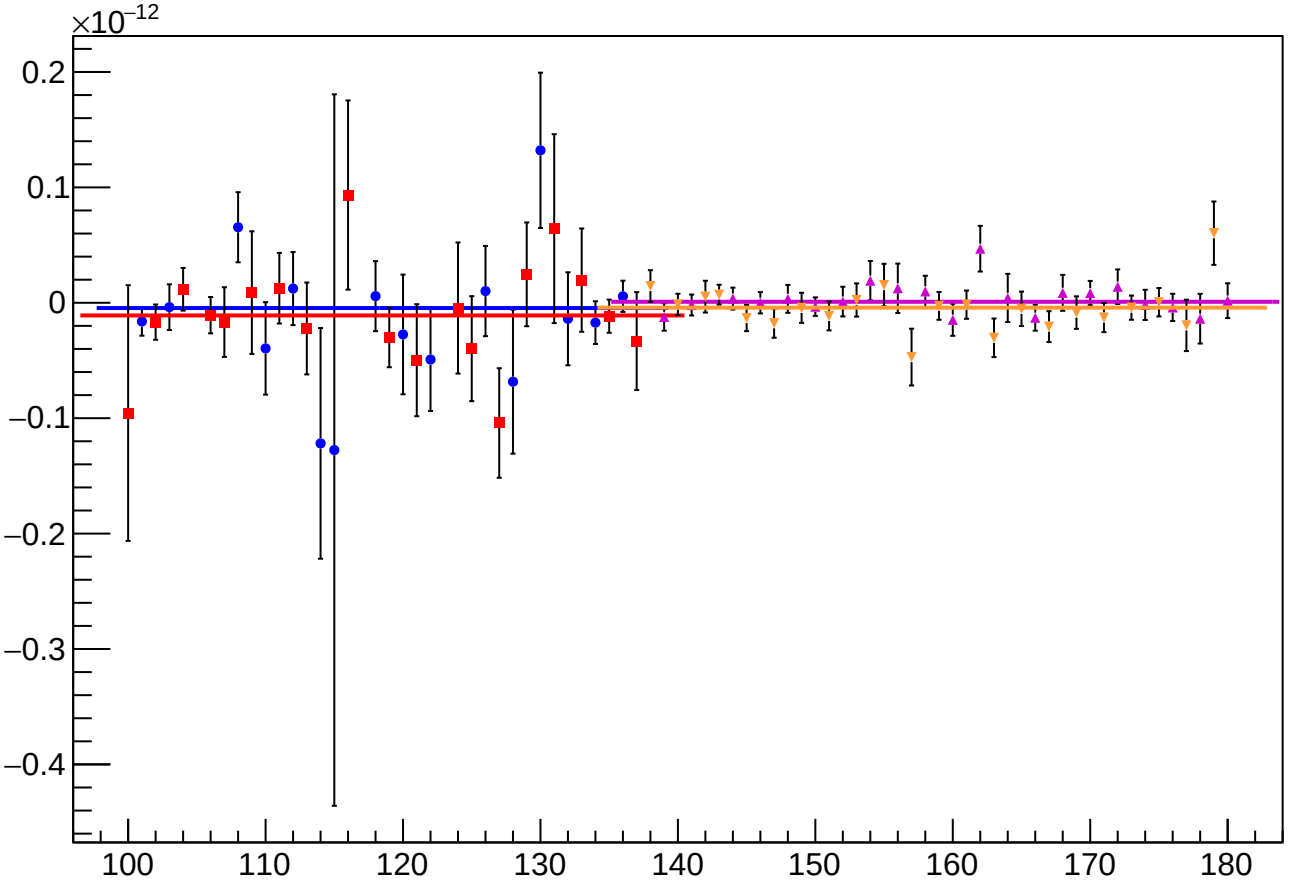
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 363.619+/-0.063 χ^2/NDF:494909.9/20

+ sign 354.417+/-0.052 χ^2/NDF: 2318649.3/37

All: 352.443+/-0.036 χ^2/NDF: 4614722.3/77

- 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:21.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

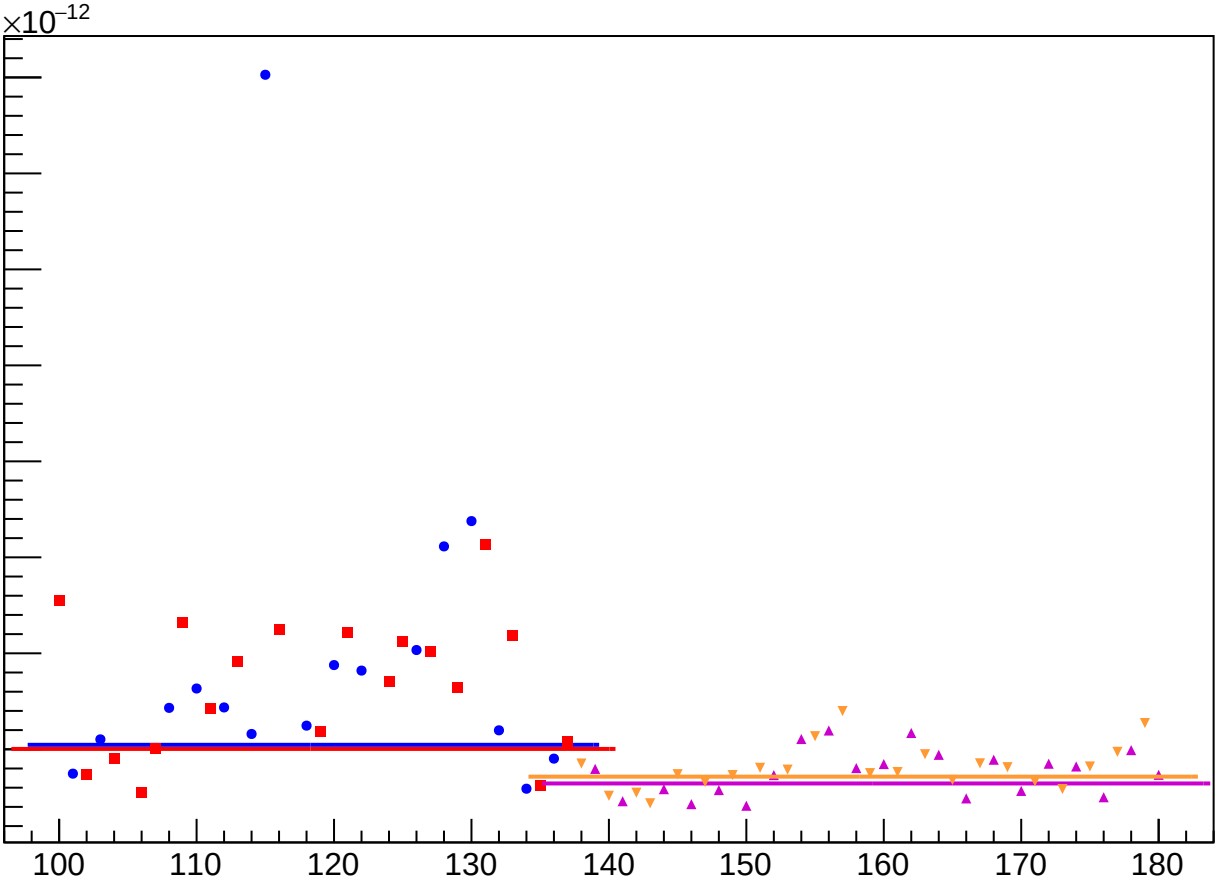
Left In: 0.000+/-0.000 χ^2/NDF:14.0/20

+ sign -0.000+/-0.000 χ^2/NDF: 37.8/37

All: -0.000+/-0.000 χ^2/NDF: 68.0/77

- 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:866111.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

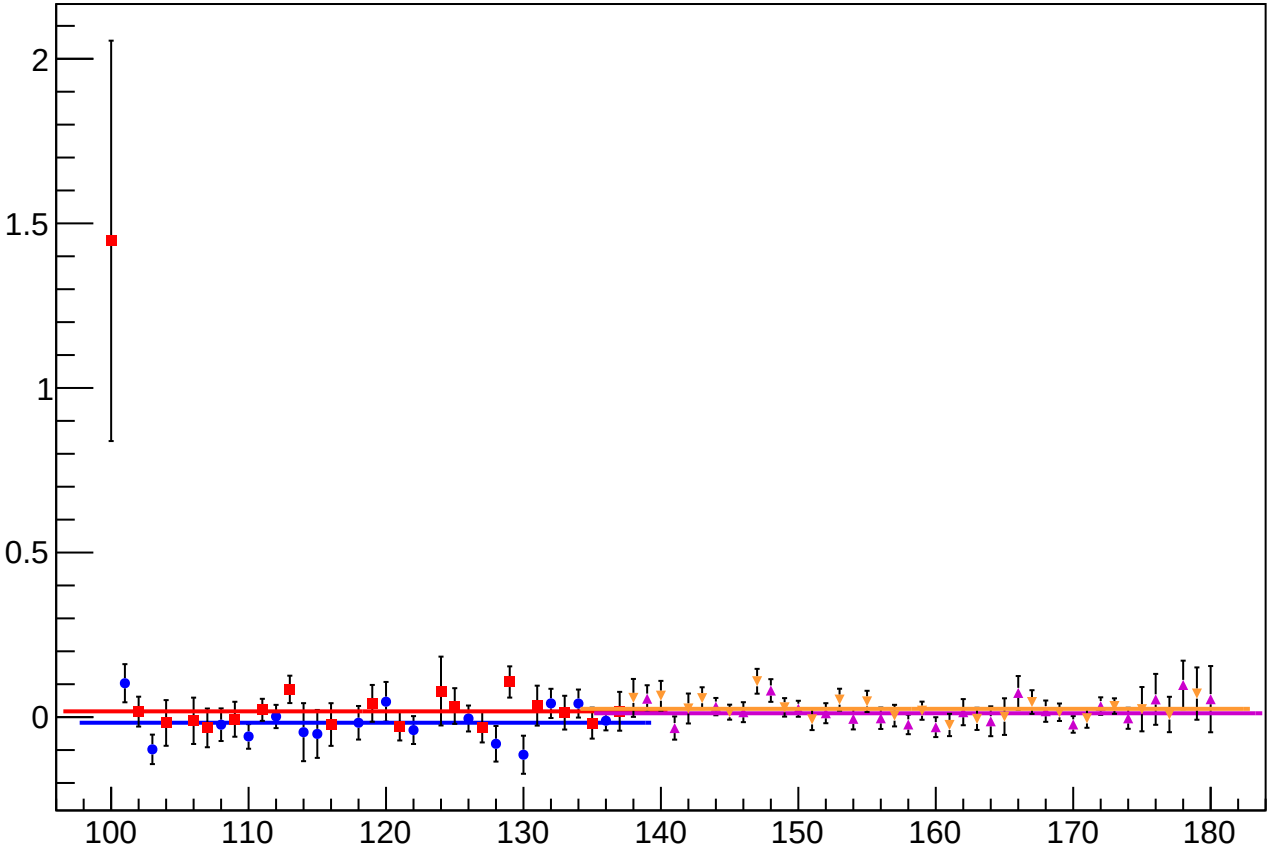
Left In: 0.000+/-0.000 χ^2/NDF:1211375.0/20

+ sign 0.000+/-0.000 χ^2/NDF: 2496037.2/37

All: 0.000+/-0.000 χ^2/NDF: 5732039.1/77

- 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:15.0/21

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

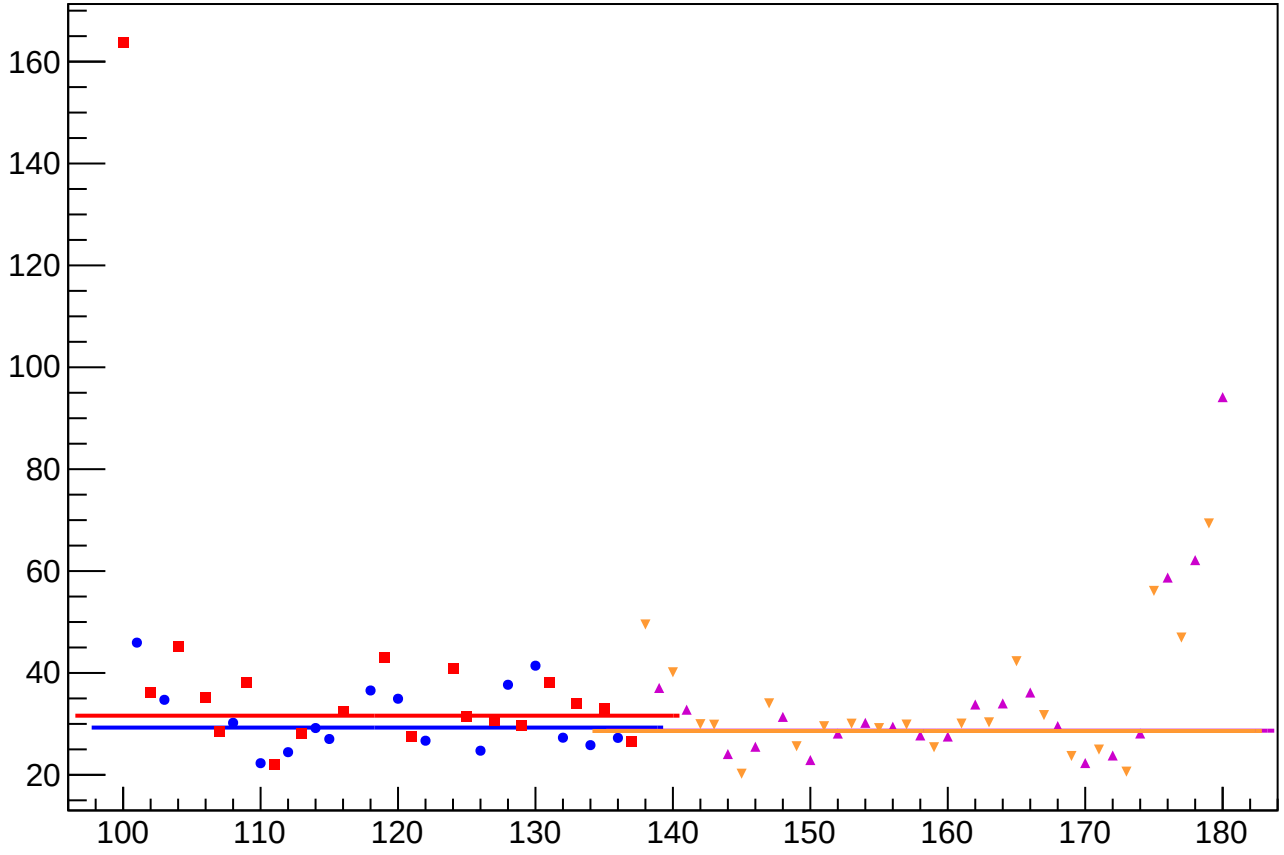
Left In: 0.012+/-0.007 χ^2/NDF:17.8/20

+ sign 0.013+/-0.006 χ^2/NDF: 43.7/37

All: 0.013+/-0.004 χ^2/NDF: 78.5/77

- 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: 28.610+/-0.005 χ^2/NDF:2337328.8/21

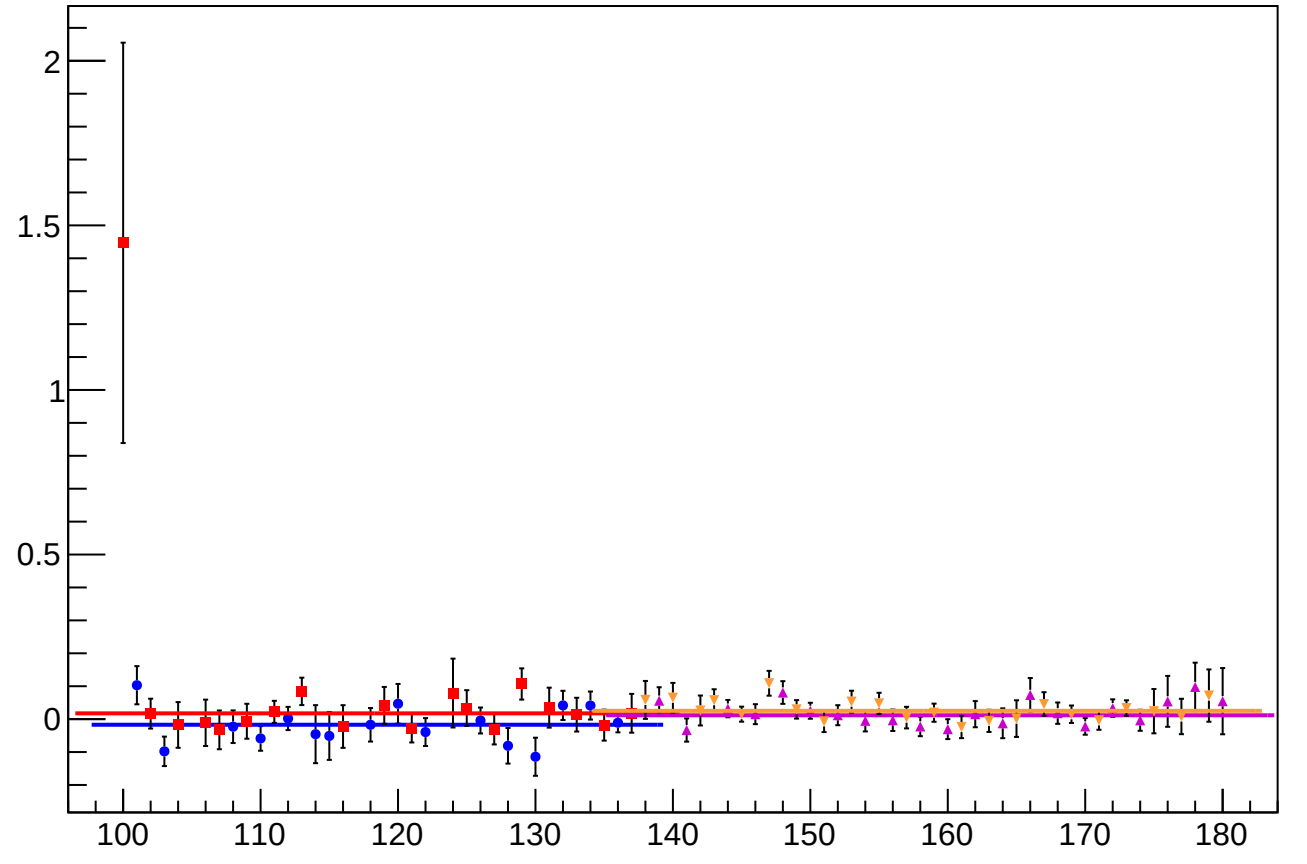
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.670+/-0.005 χ^2/NDF:2191478.7/20

+ sign 28.803+/-0.004 χ^2/NDF: 2902925.0/37

All: 29.123+/-0.003 χ^2/NDF: 5764436.4/77

- 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:15.0/21

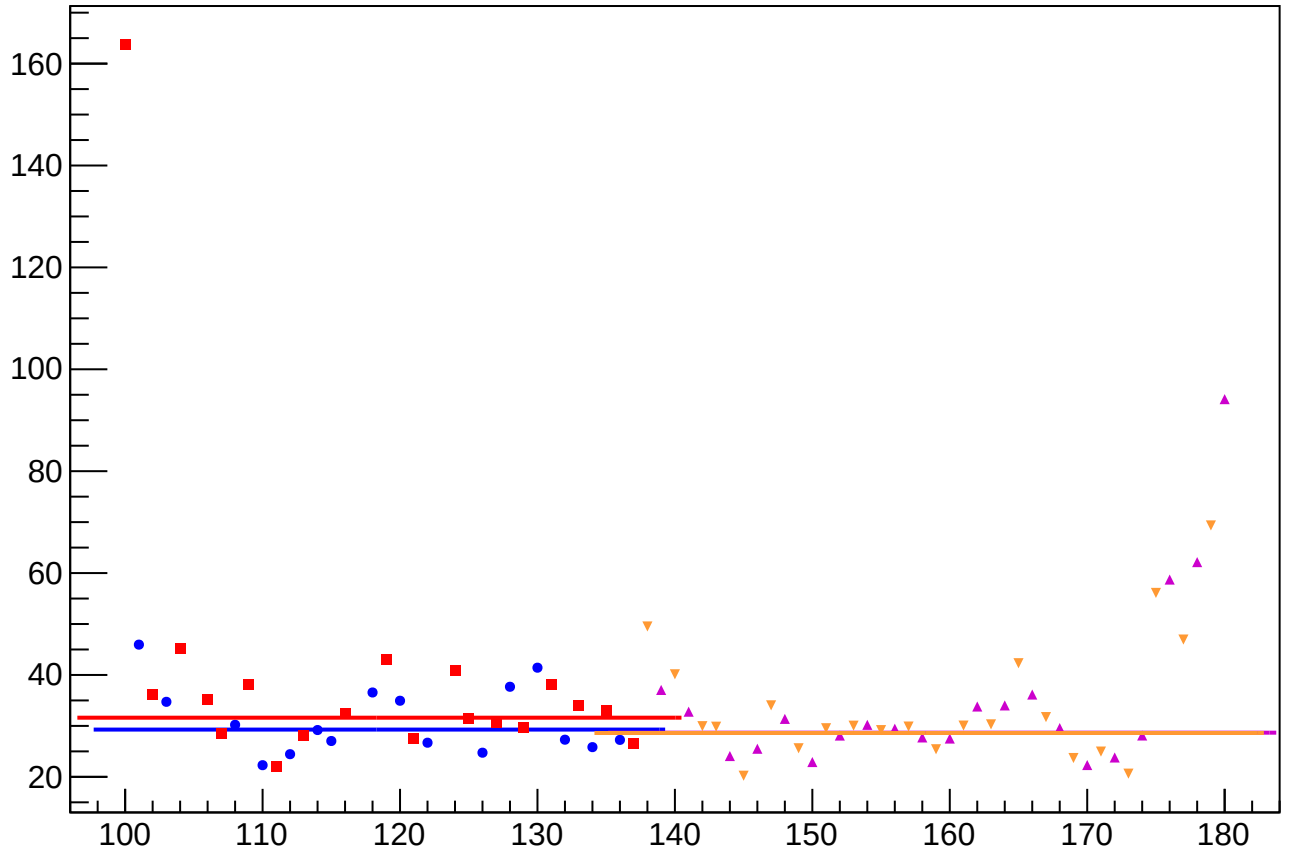
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.012+/-0.007 χ^2/NDF:17.8/20

+ sign 0.013+/-0.006 χ^2/NDF: 43.7/37

All: 0.013+/-0.004 χ^2/NDF: 78.5/77

- sign 0.013+/-0.006 χ^2/NDF: 34.8/39



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.610+/-0.005 χ^2/NDF:2337328.8/21

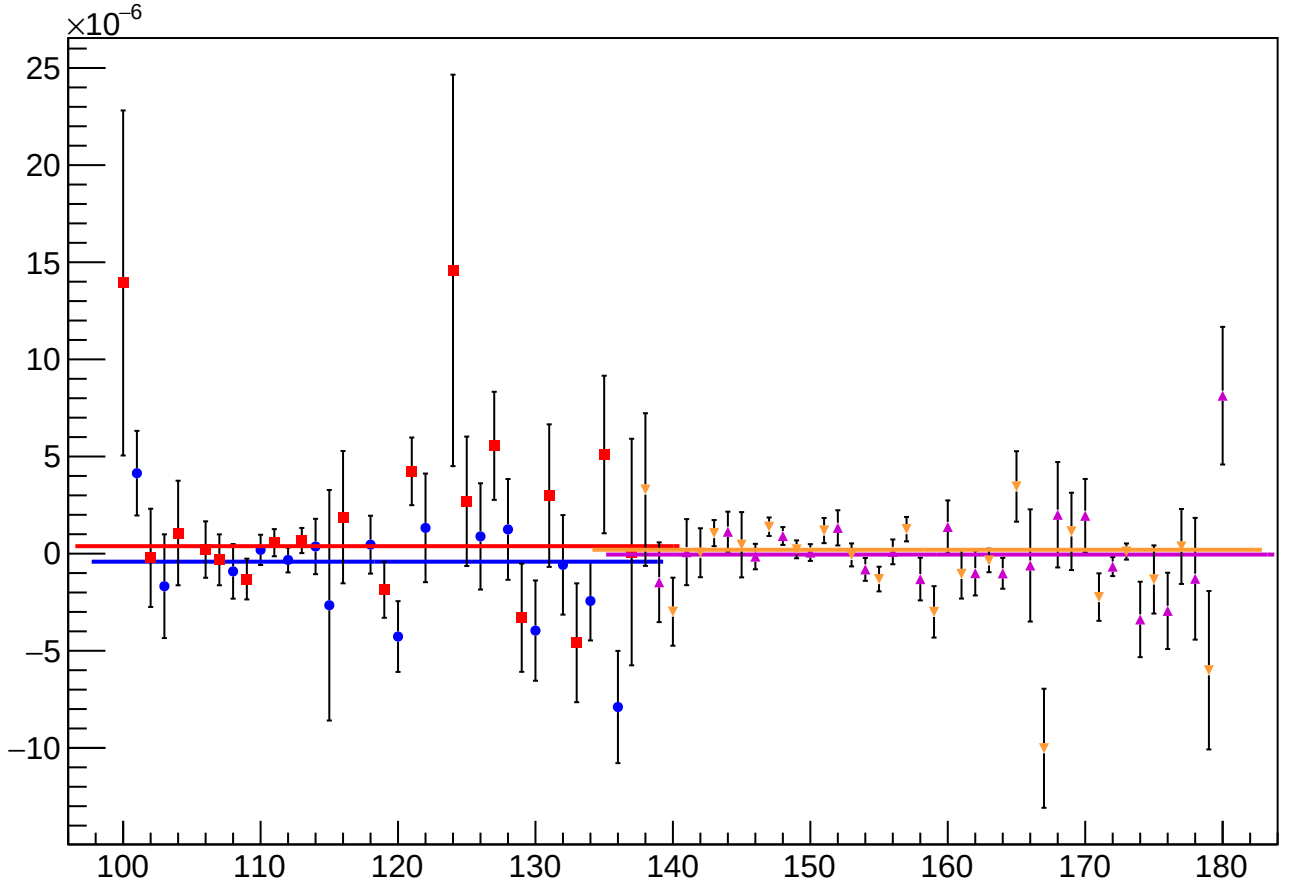
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.670+/-0.005 χ^2/NDF:2191478.7/20

+ sign 28.803+/-0.004 χ^2/NDF: 2902925.0/37

All: 29.123+/-0.003 χ^2/NDF: 5764436.4/77

- sign 29.462+/-0.004 χ^2/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:52.1/21

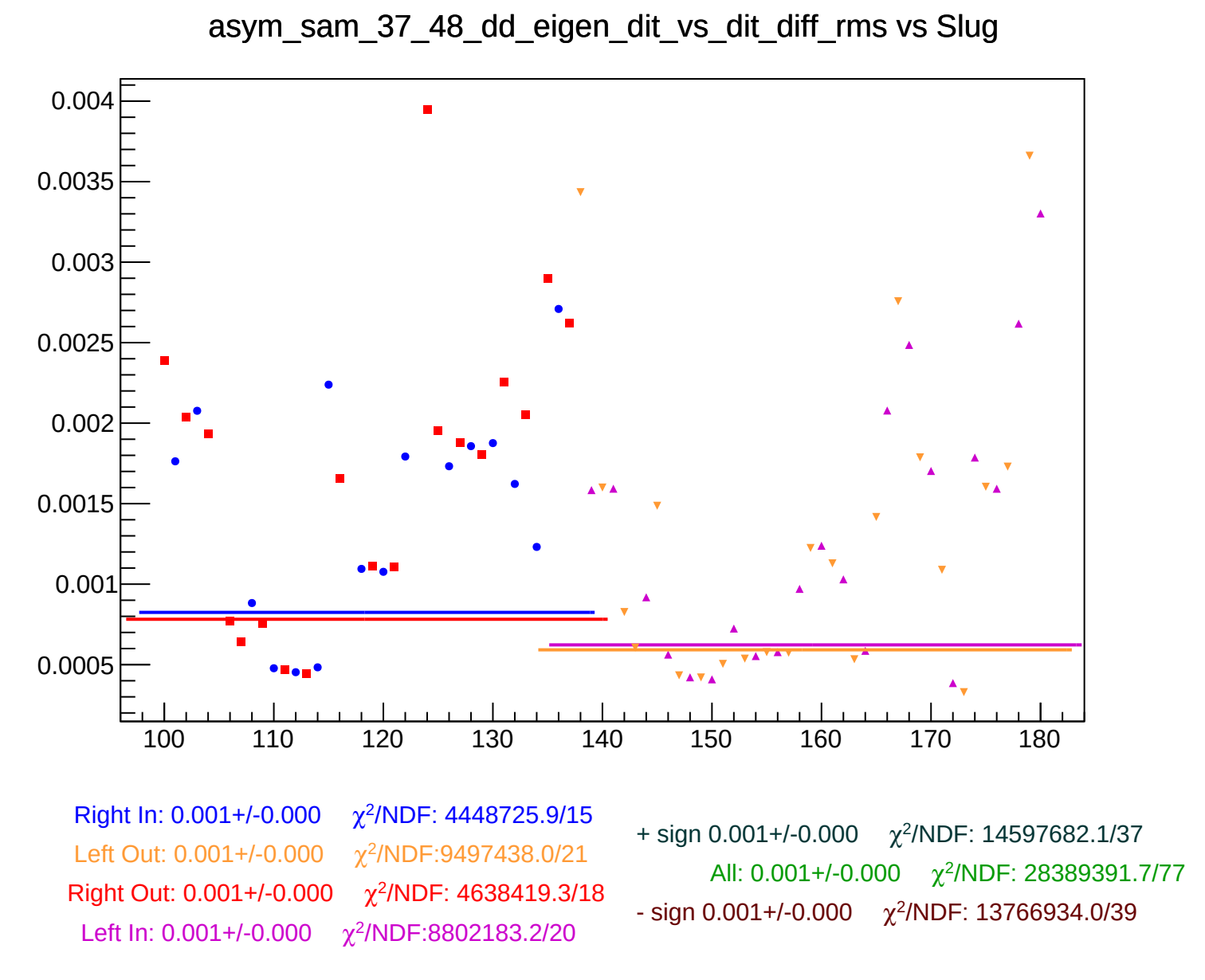
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

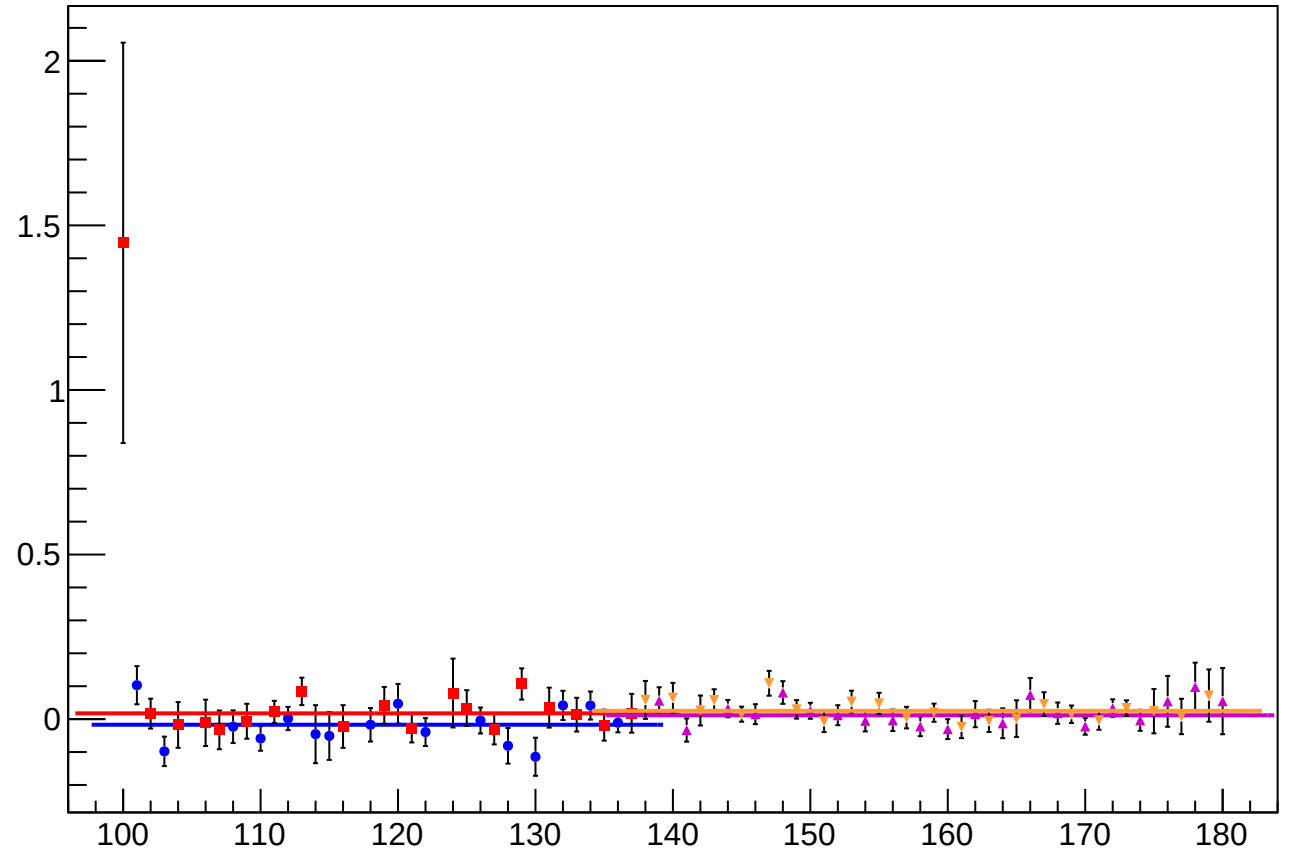
Left In: -0.000+/-0.000 χ^2/NDF:28.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 75.6/37

All: 0.000+/-0.000 χ^2/NDF: 130.9/77

- 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:9497438.0/21
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: 14597682.1/37
All: 0.001+/-0.000 χ²/NDF: 28389391.7/77
- 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:15.0/21

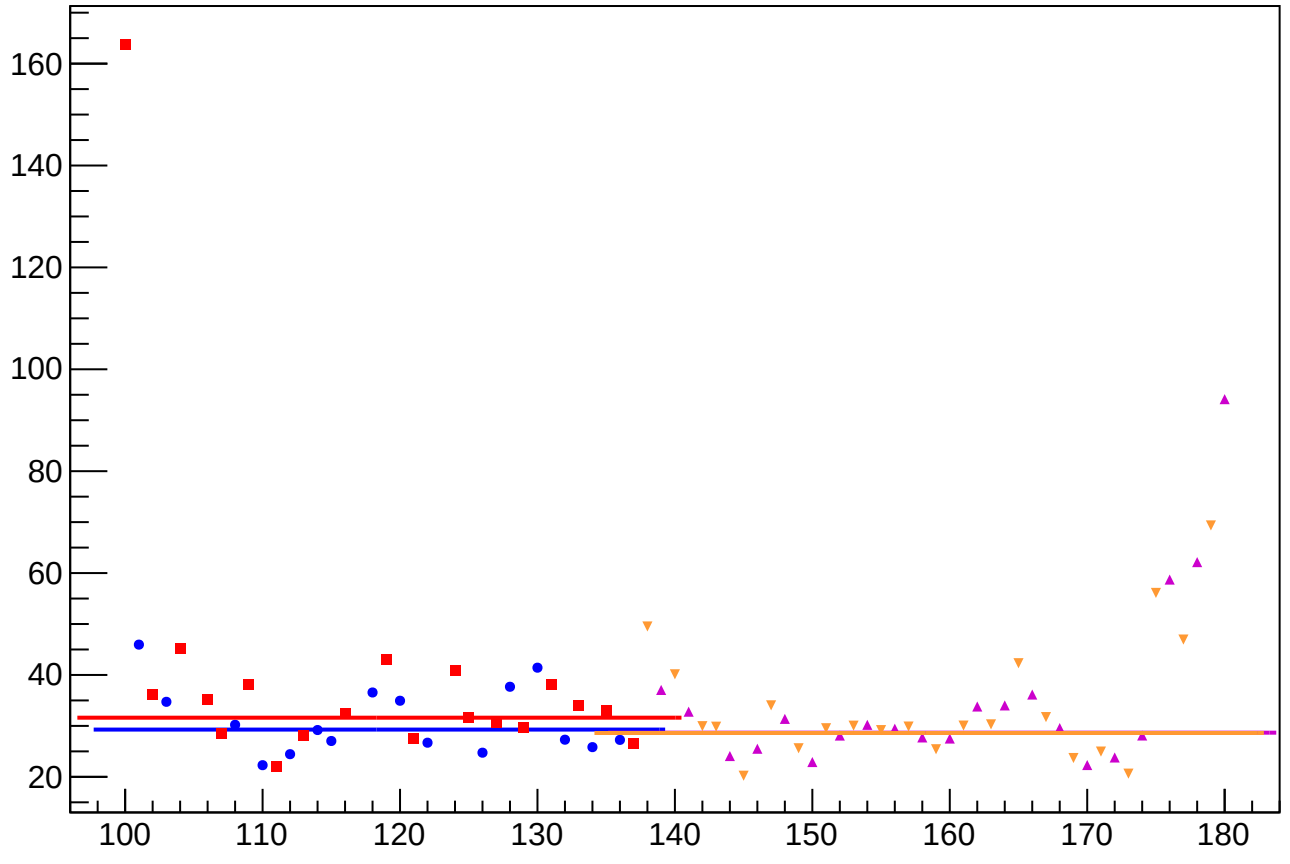
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.012+/-0.007 χ^2/NDF:17.8/20

+ sign 0.013+/-0.006 χ^2/NDF: 43.7/37

All: 0.013+/-0.004 χ^2/NDF: 78.5/77

- 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: 28.610+/-0.005 χ^2/NDF:2337385.2/21

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

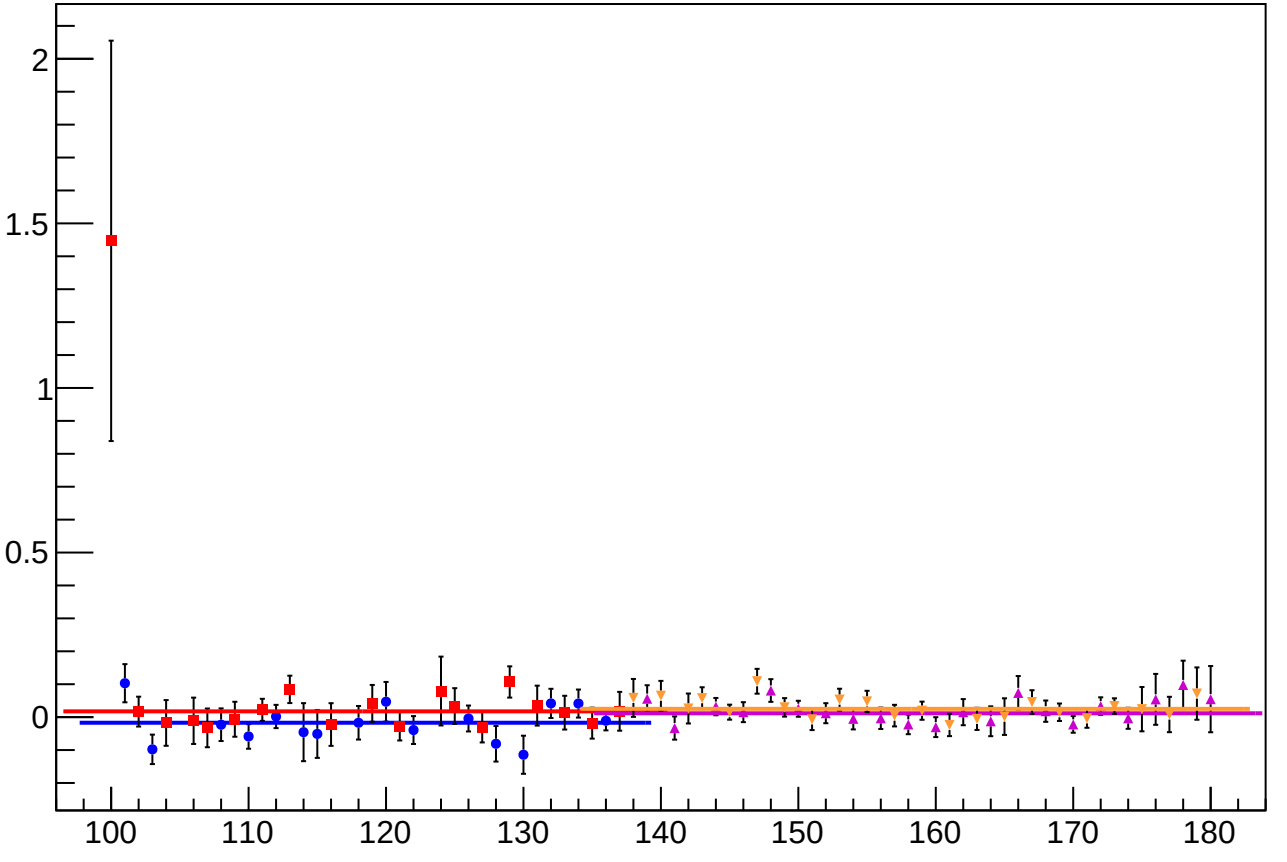
Left In: 28.670+/-0.005 χ^2/NDF:2191435.8/20

+ sign 28.803+/-0.004 χ^2/NDF: 2902985.8/37

All: 29.123+/-0.003 χ^2/NDF: 5764477.9/77

- sign 29.462+/-0.004 χ^2/NDF: 2850125.6/39

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

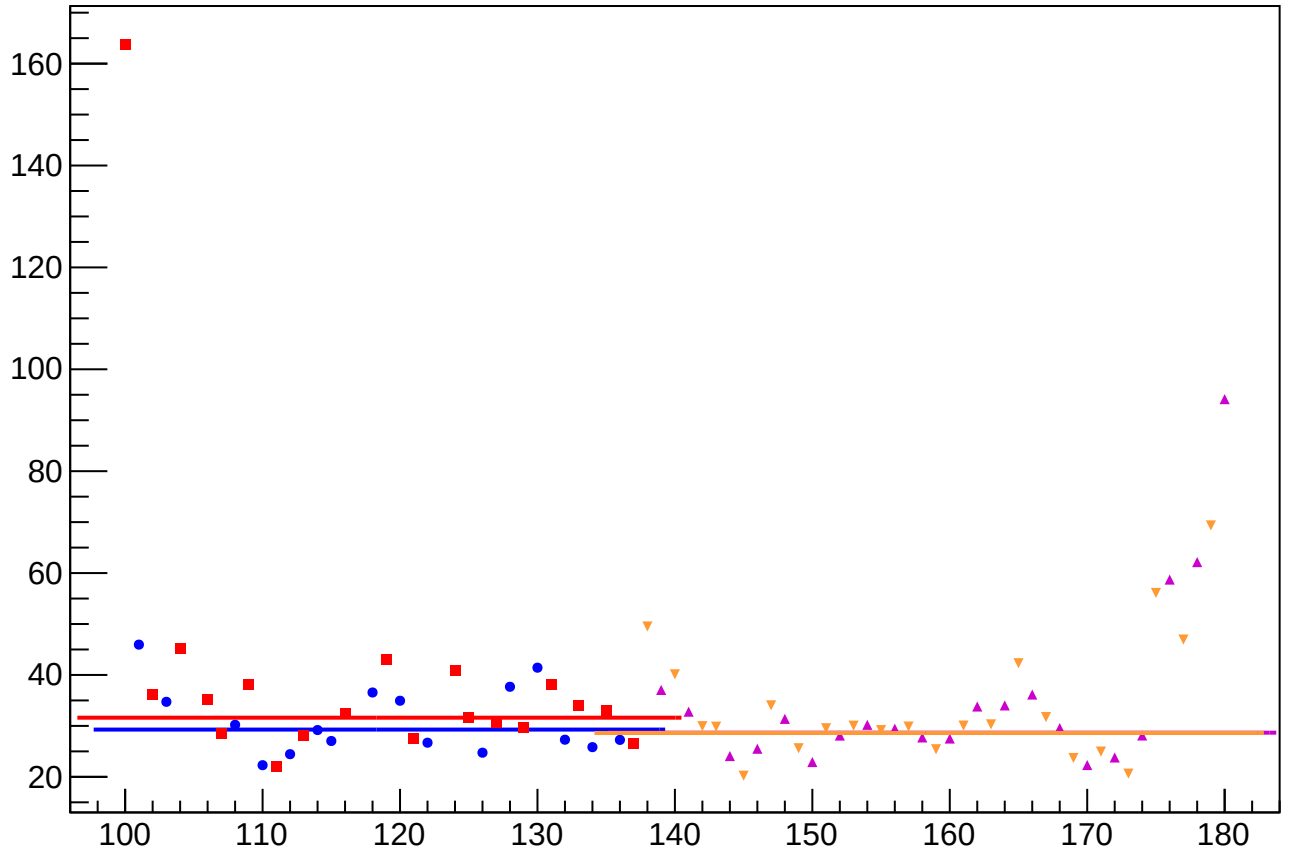
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.012+/-0.007 χ^2/NDF:17.8/20

+ sign 0.013+/-0.006 χ^2/NDF: 43.7/37

All: 0.013+/-0.004 χ^2/NDF: 78.5/77

- 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: 28.610+/-0.005 χ^2/NDF:2337385.2/21

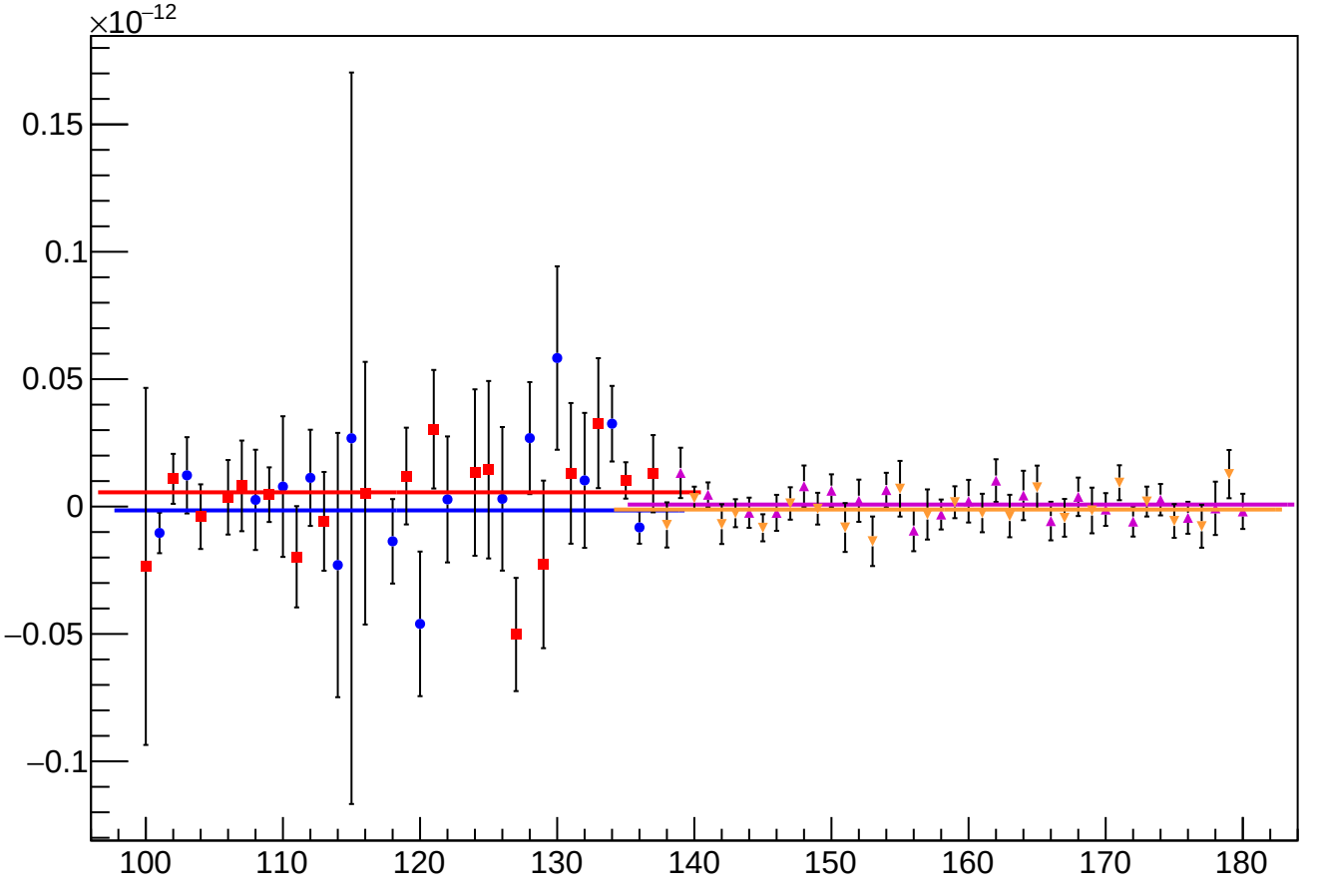
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.670+/-0.005 χ^2/NDF:2191435.8/20

+ sign 28.803+/-0.004 χ^2/NDF: 2902985.8/37

All: 29.123+/-0.003 χ^2/NDF: 5764477.9/77

- 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:14.2/21

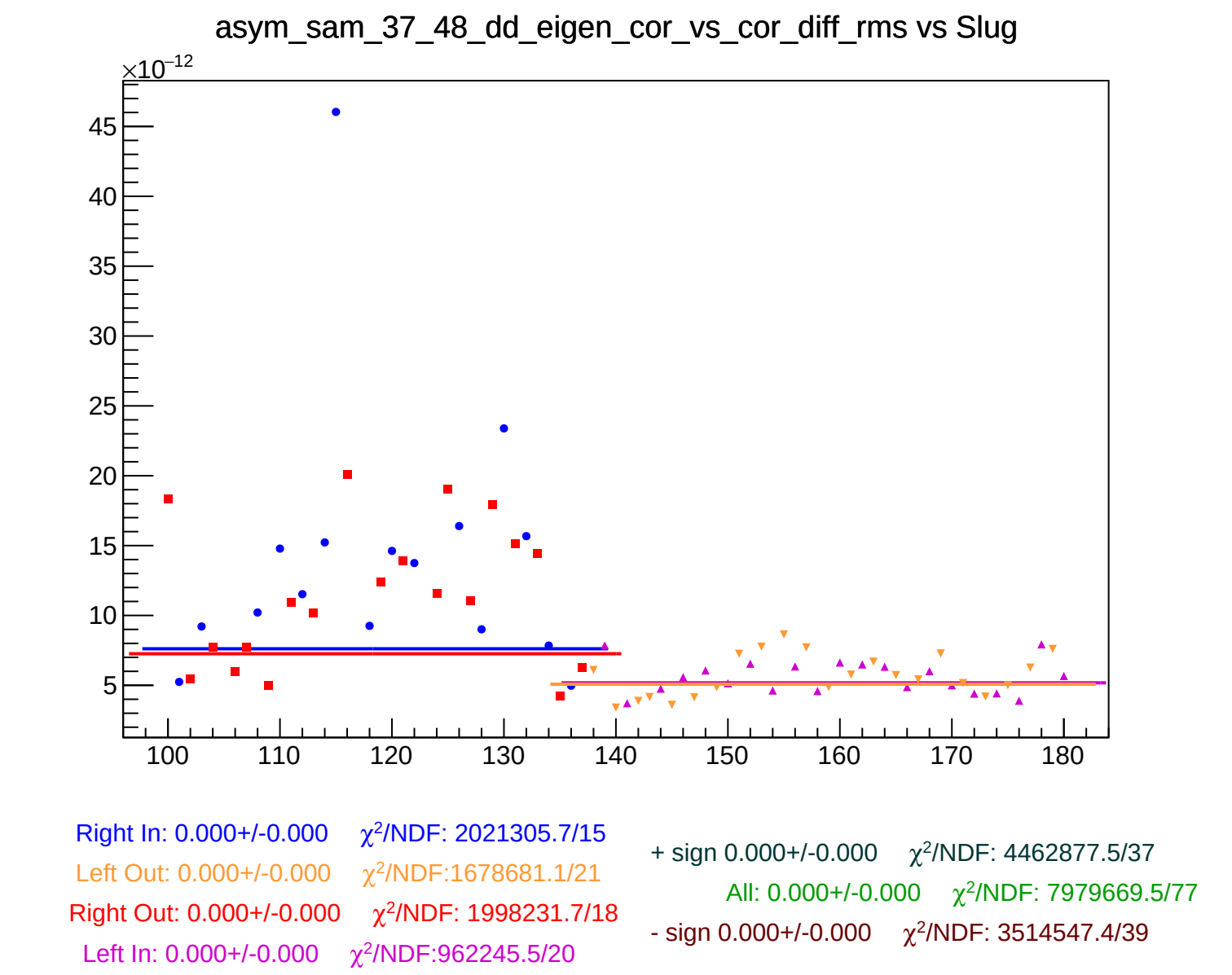
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.7/20

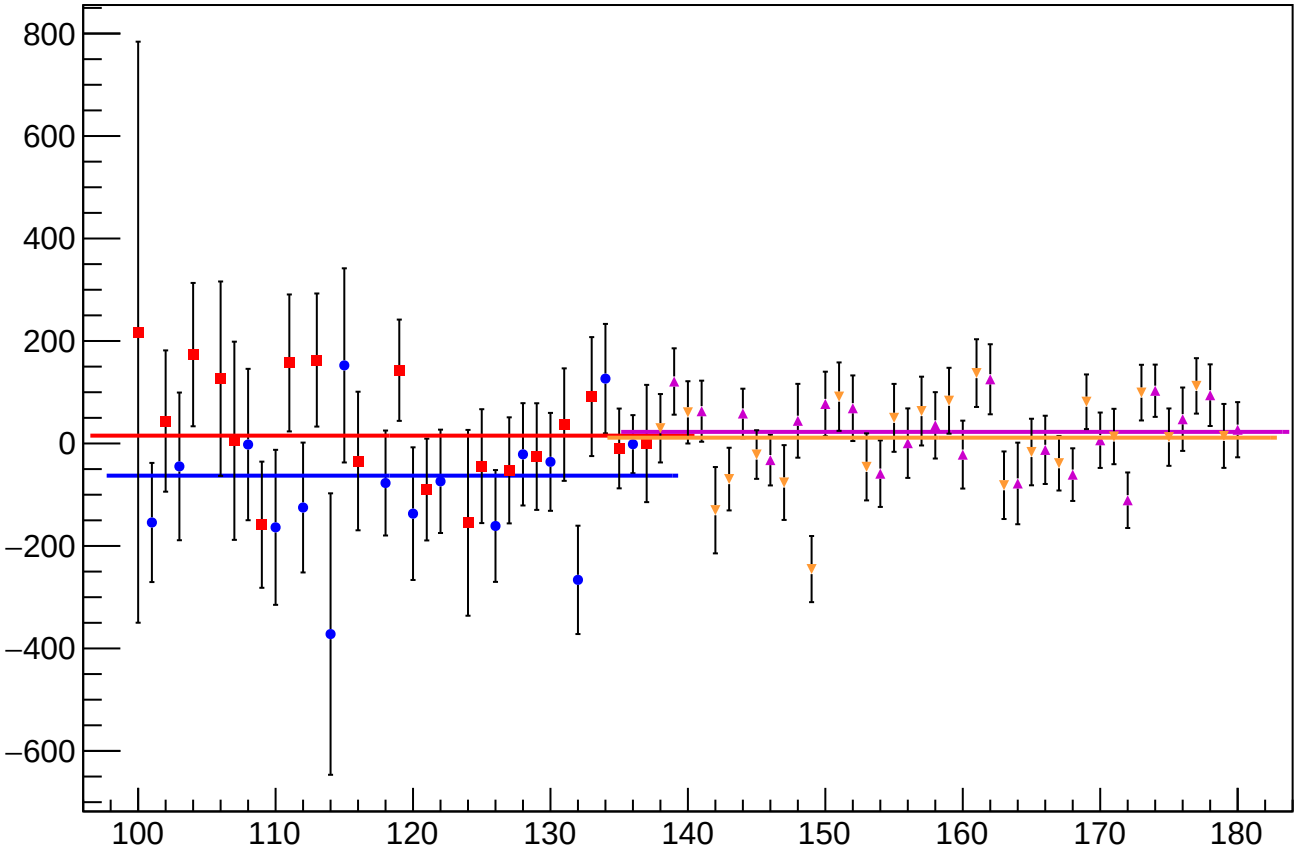
+ sign -0.000+/-0.000 χ^2/NDF: 31.2/37

All: 0.000+/-0.000 χ^2/NDF: 59.5/77

- 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
45
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: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1678681.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:962245.5/20
+ sign 0.000+/-0.000 χ²/NDF: 4462877.5/37
All: 0.000+/-0.000 χ²/NDF: 7979669.5/77
- 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: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

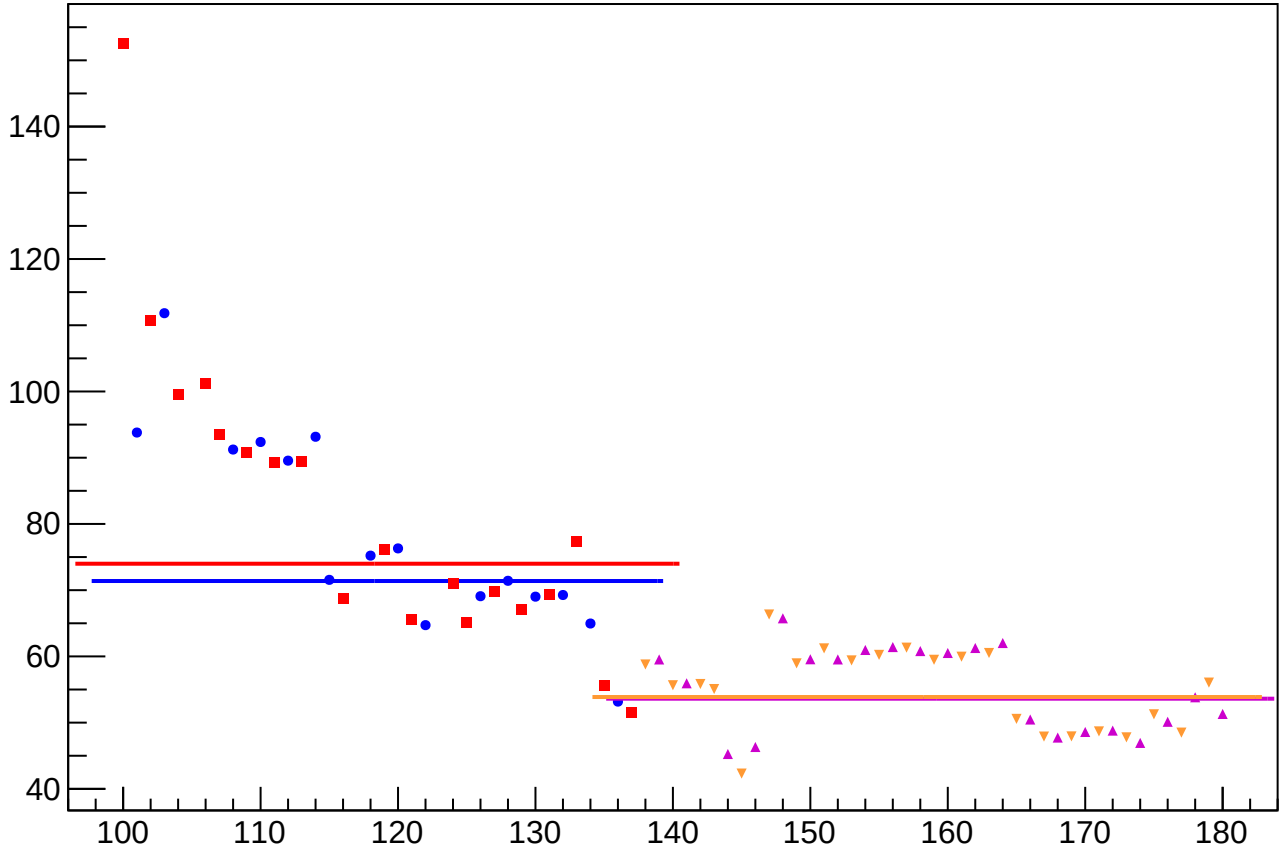
Left In: 22.617+/-13.029 χ^2/NDF:25.1/20

+ sign -2.446+/-11.723 χ^2/NDF: 61.5/37

All: 9.352+/-8.315 χ^2/NDF: 100.1/77

- 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: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

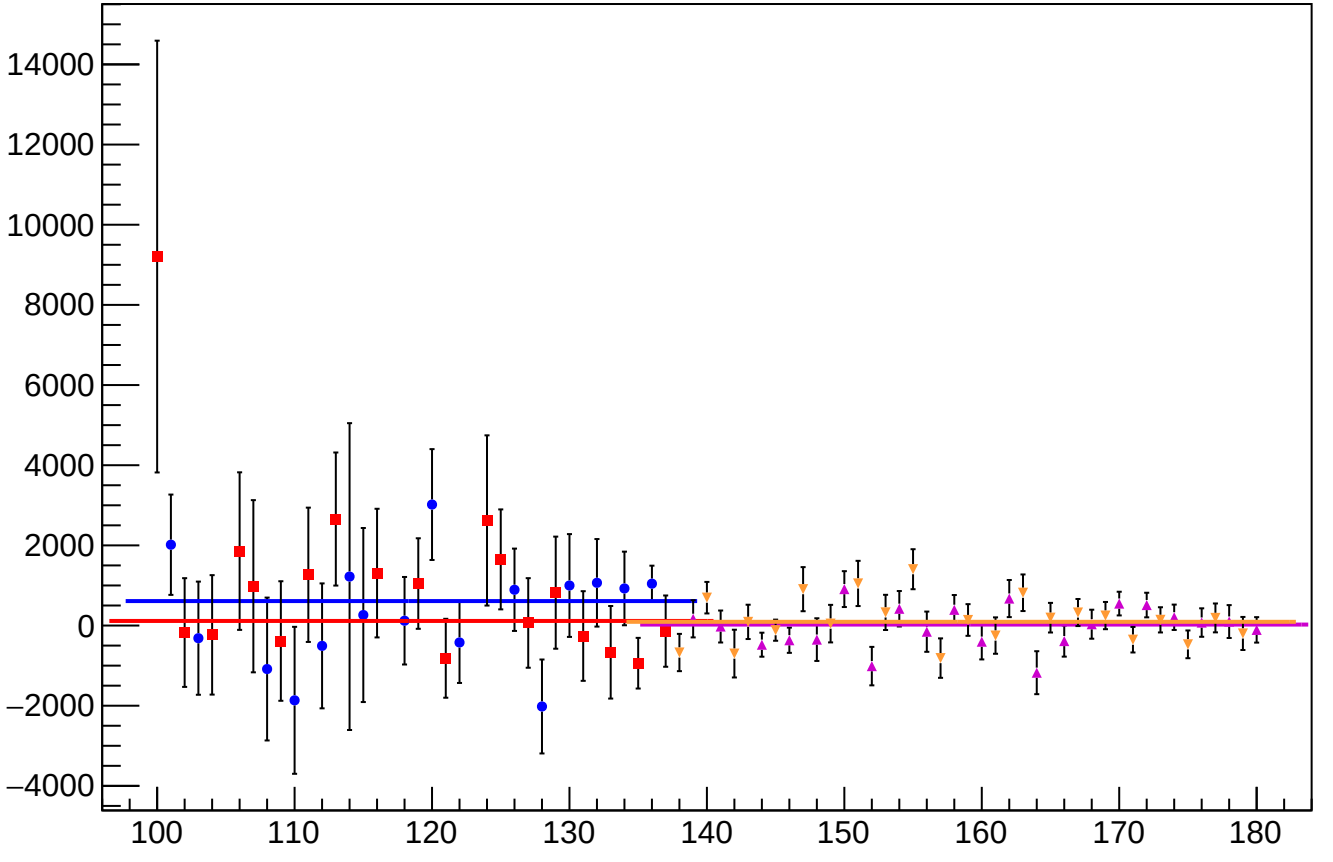
Left In: 53.614+/-0.009 χ^2/NDF:468377.3/20

+ sign 57.118+/-0.008 χ^2/NDF: 1729098.2/37

All: 57.204+/-0.006 χ^2/NDF: 3718921.8/77

- 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: 93.236+/-84.271 χ^2/NDF:32.2/21

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

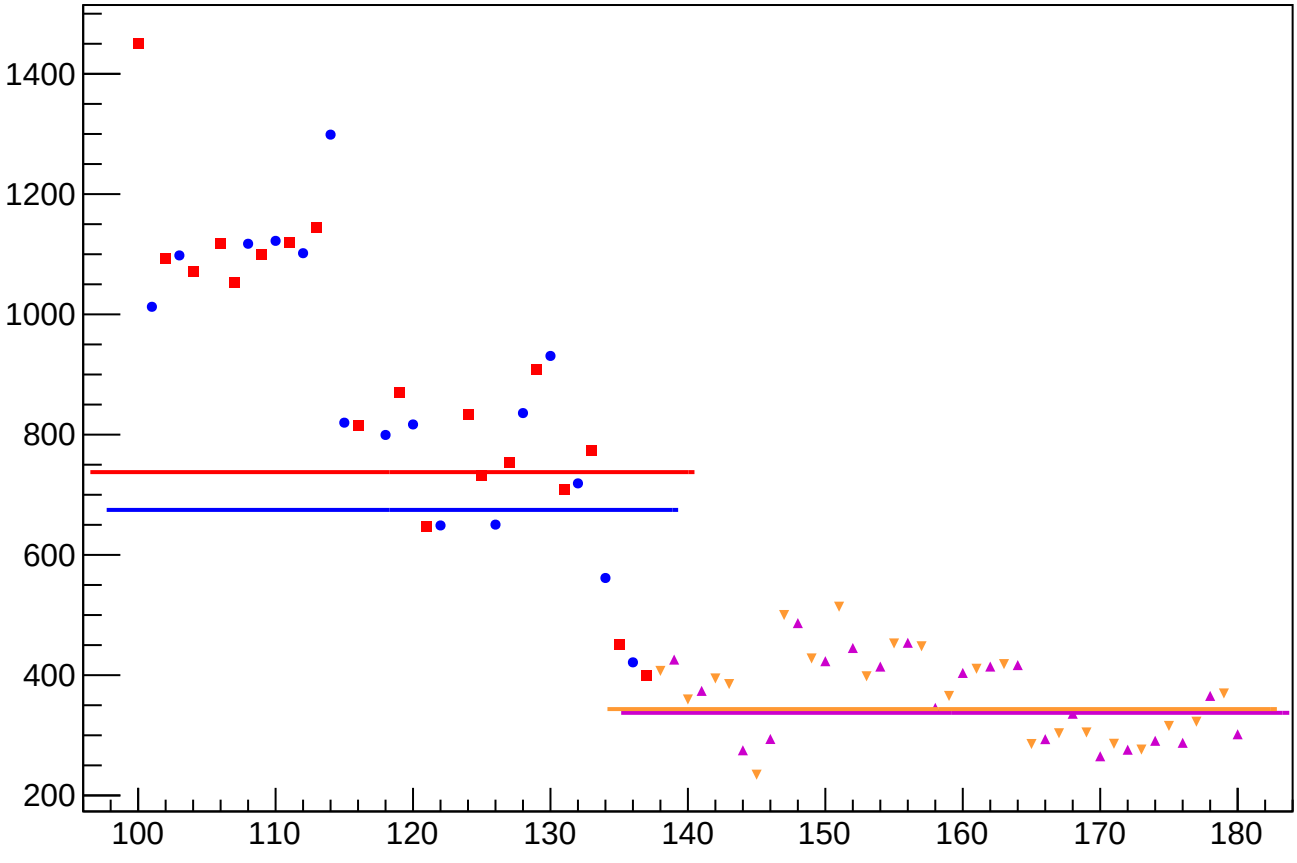
Left In: 24.232+/-83.098 χ^2/NDF:30.7/20

+ sign 140.165+/-80.357 χ^2/NDF: 51.3/37

All: 85.351+/-56.609 χ^2/NDF: 98.6/77

- sign 31.347+/-79.761 χ^2/NDF: 46.4/39

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 343.606+/-0.060 χ^2/NDF:1434076.4/21

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

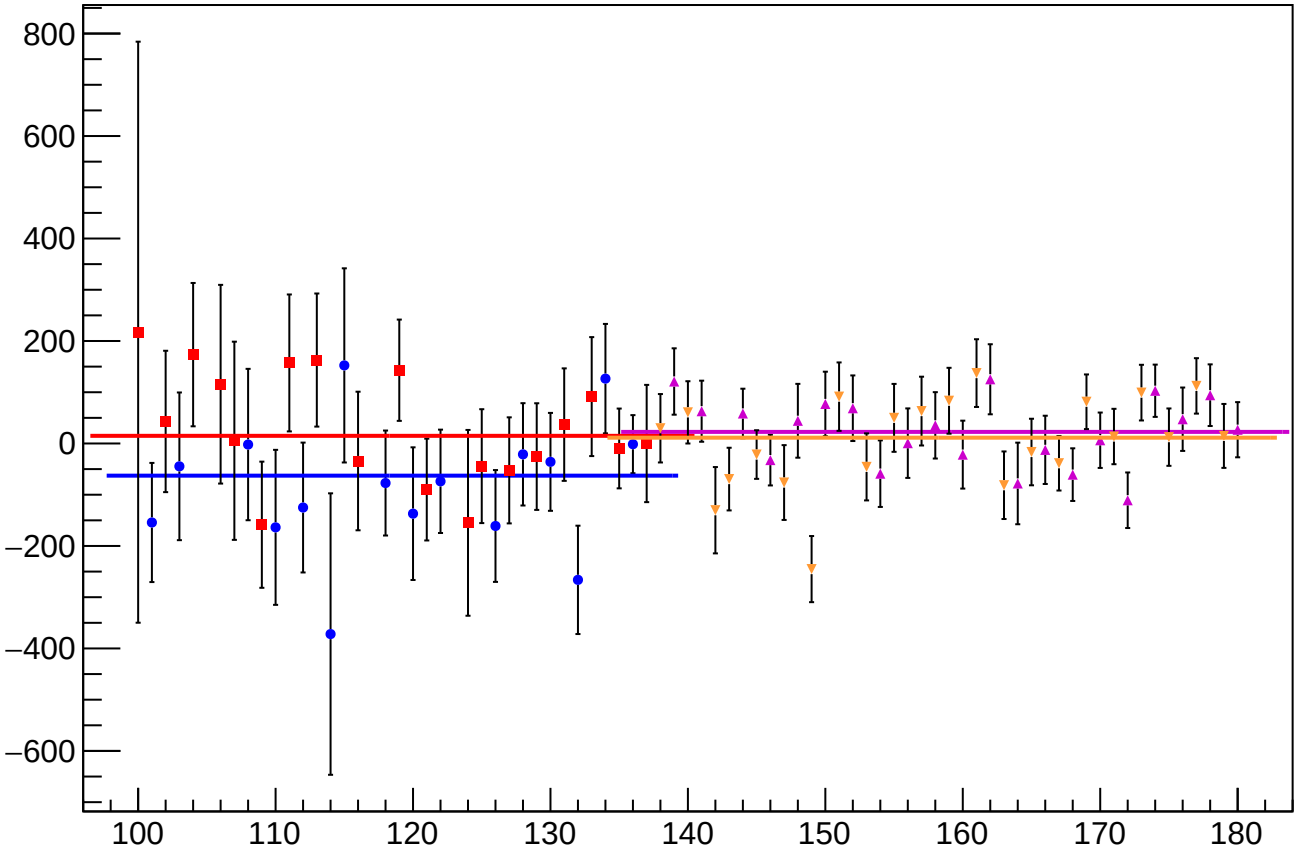
Left In: 337.376+/-0.059 χ^2/NDF:1201088.4/20

+ sign 373.652+/-0.057 χ^2/NDF: 5854507.4/37

All: 371.249+/-0.040 χ^2/NDF: 12228546.4/77

- 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: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

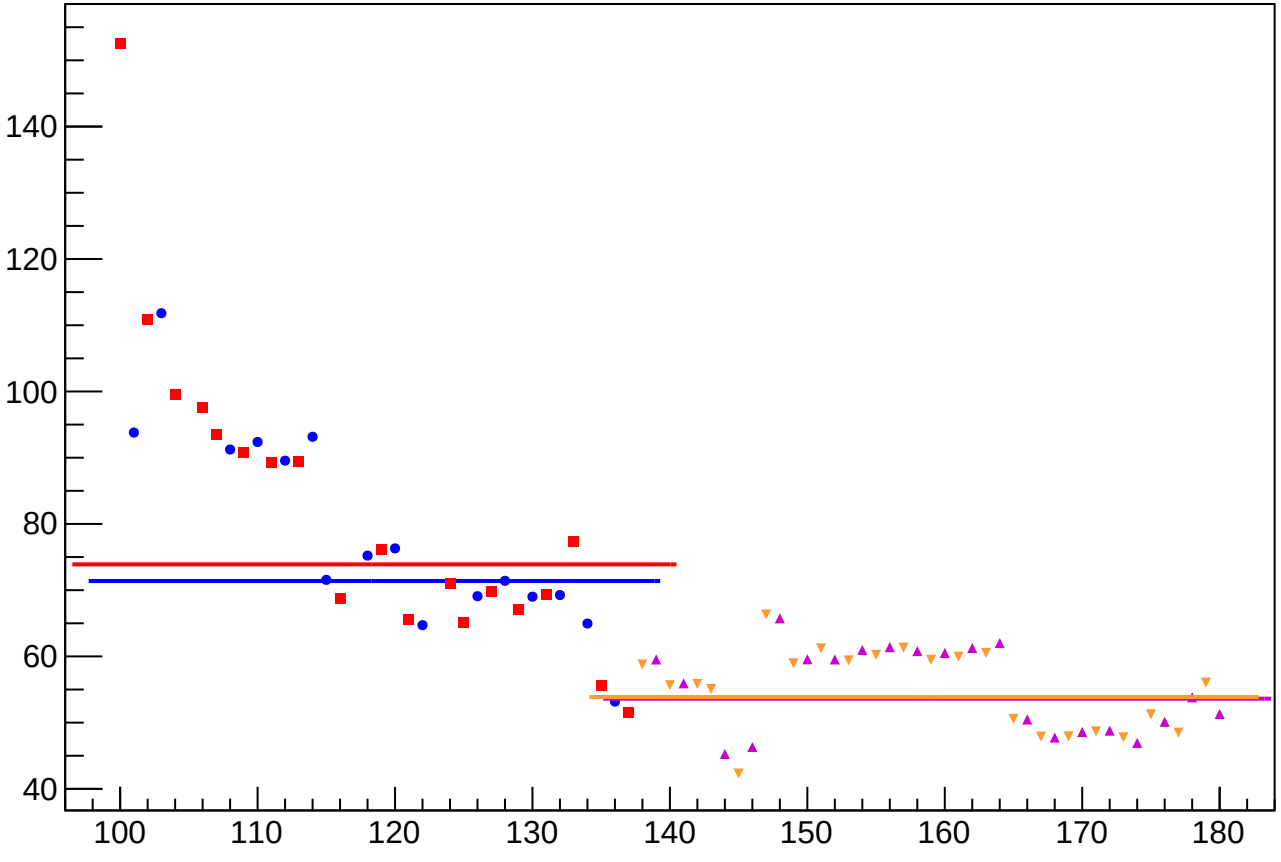
Left In: 22.616+/-13.029 χ^2/NDF:25.1/20

+ sign -2.444+/-11.723 χ^2/NDF: 61.5/37

All: 9.321+/-8.315 χ^2/NDF: 100.0/77

- 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: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

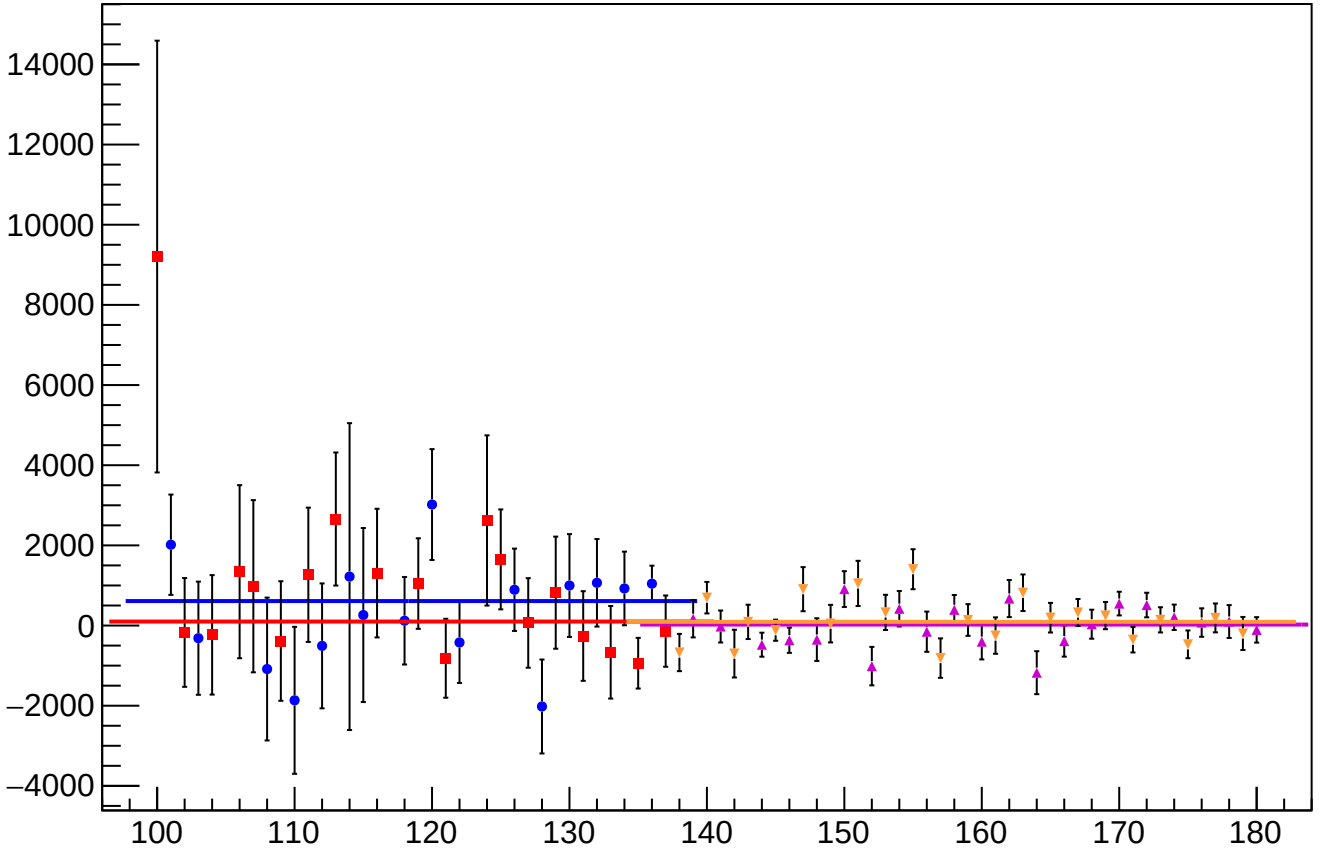
Left In: 53.614+/-0.009 χ^2/NDF:468377.3/20

+ sign 57.118+/-0.008 χ^2/NDF: 1729100.8/37

All: 57.194+/-0.006 χ^2/NDF: 3698140.7/77

- 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: 93.236+/-84.271 χ^2/NDF:32.2/21

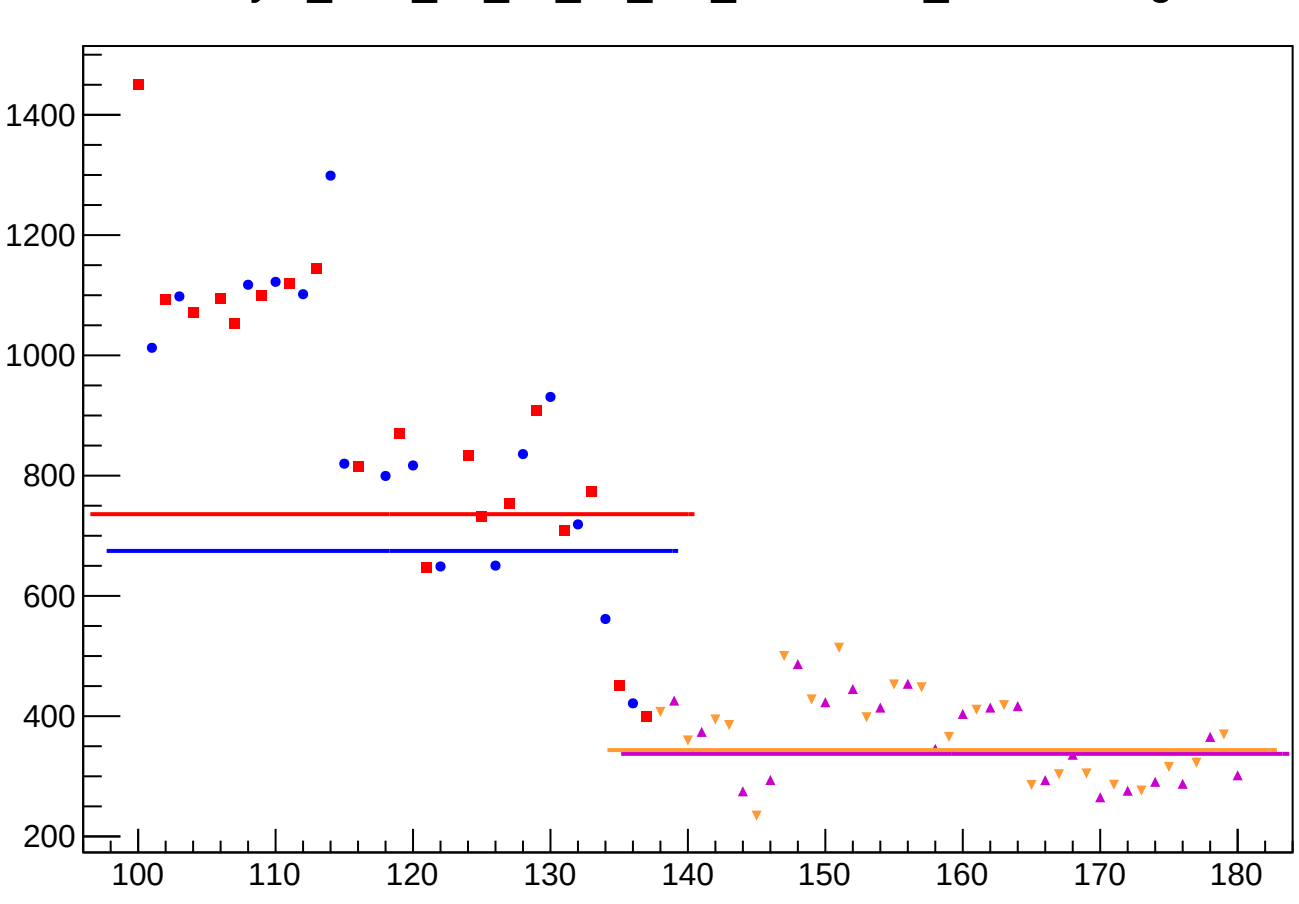
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 24.235+/-83.098 χ^2/NDF:30.7/20

+ sign 140.163+/-80.357 χ^2/NDF: 51.3/37

All: 84.751+/-56.613 χ^2/NDF: 98.1/77

- 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: 343.606+/-0.060 χ^2/NDF:1434077.4/21

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

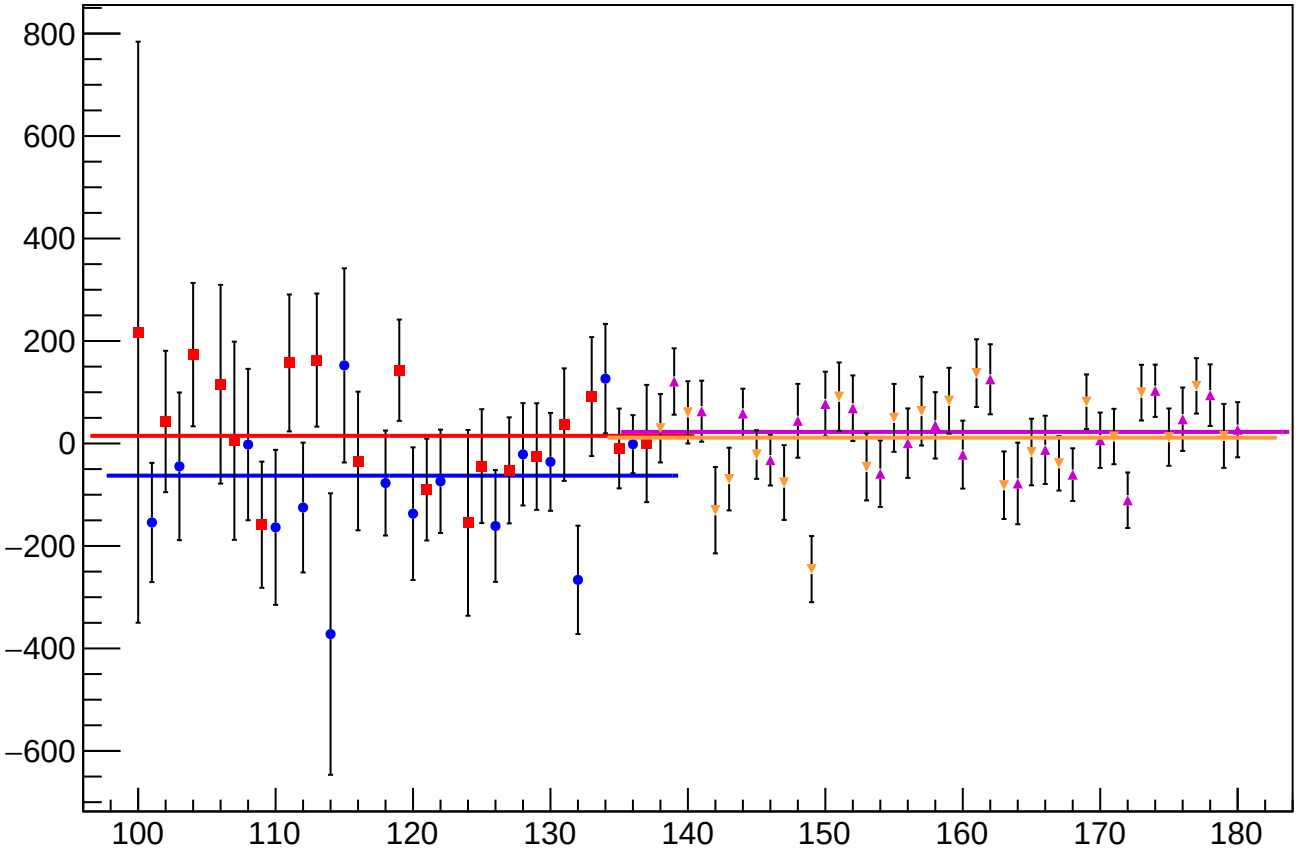
Left In: 337.375+/-0.059 χ^2/NDF:1201099.7/20

+ sign 373.652+/-0.057 χ^2/NDF: 5854531.0/37

All: 371.126+/-0.040 χ^2/NDF: 12165078.1/77

- 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: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

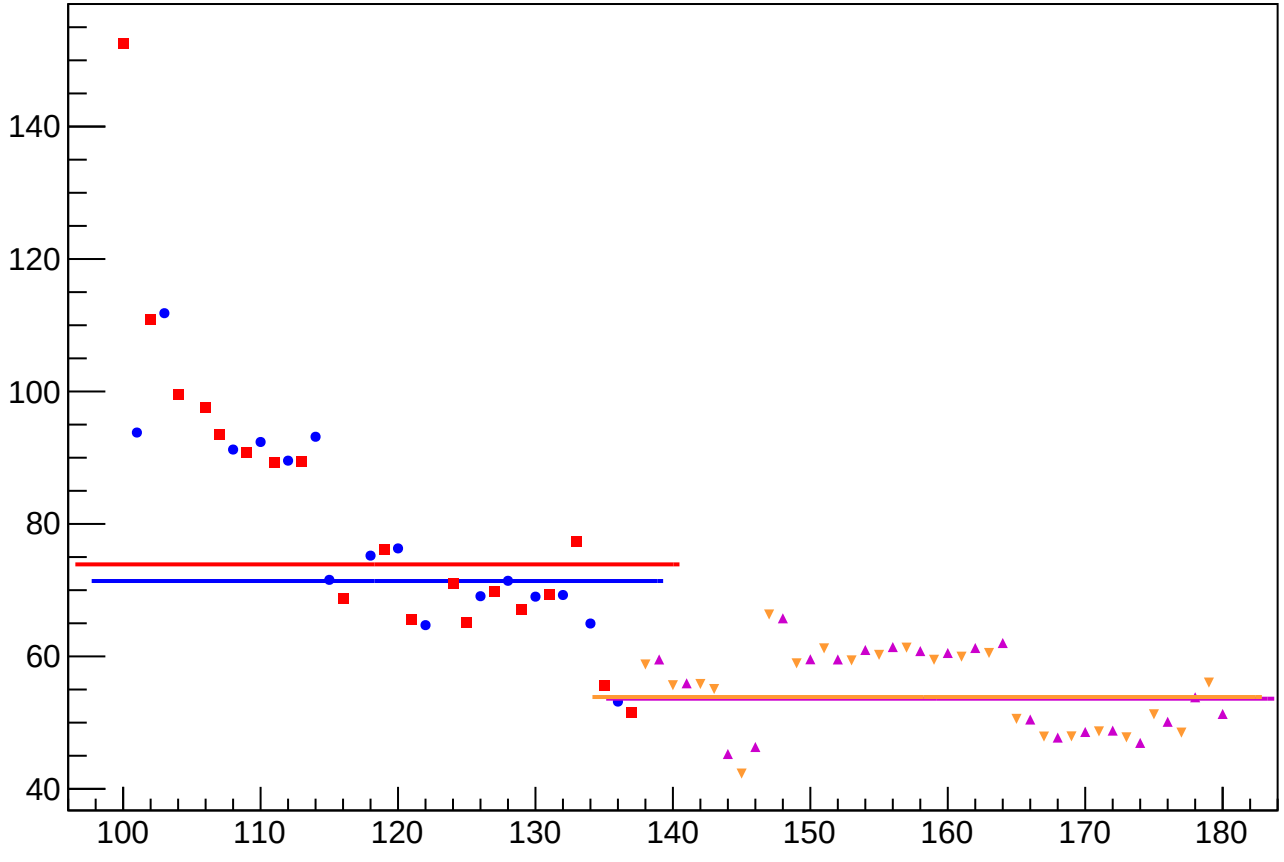
Left In: 22.616+/-13.029 χ^2/NDF:25.1/20

+ sign -2.444+/-11.723 χ^2/NDF: 61.5/37

All: 9.321+/-8.315 χ^2/NDF: 100.0/77

- 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: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

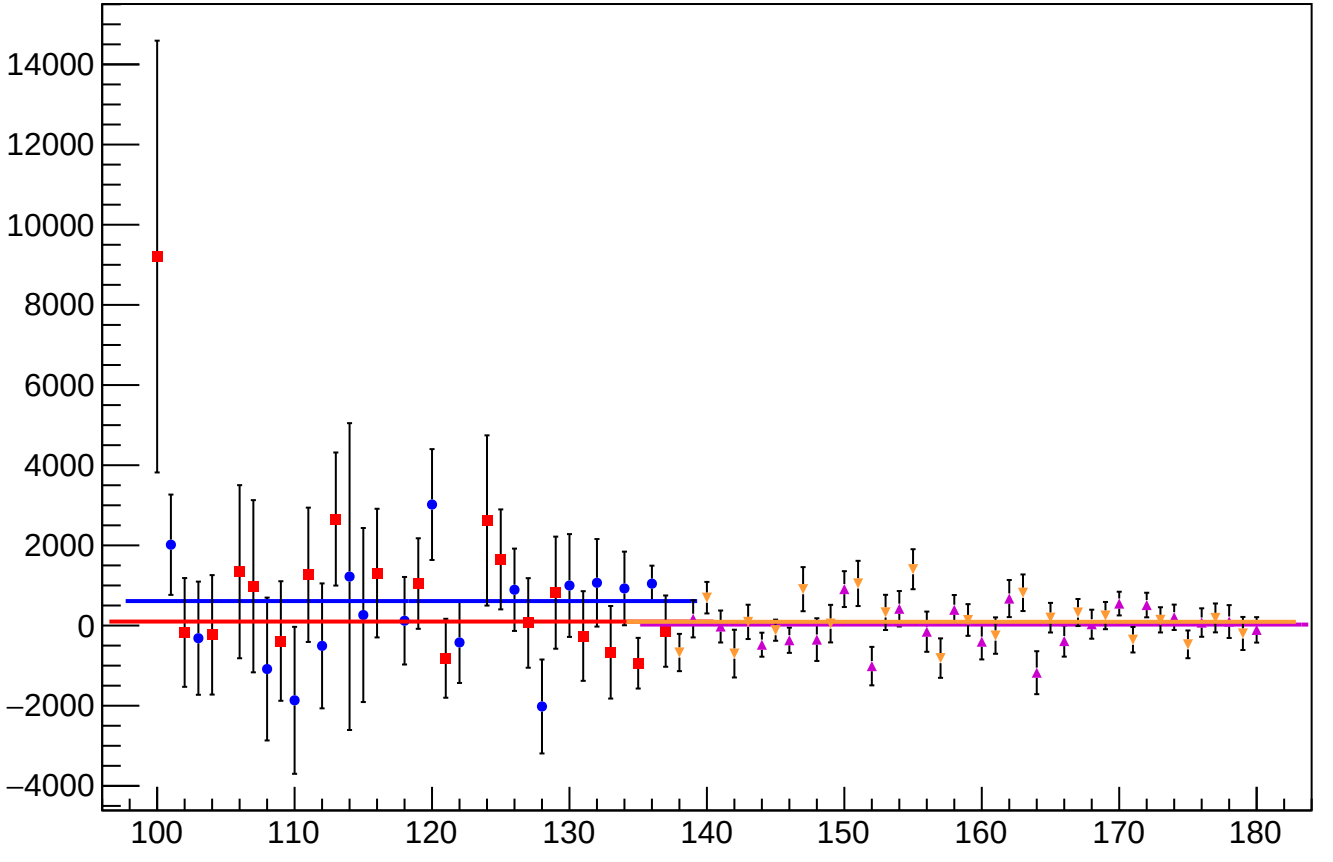
Left In: 53.614+/-0.009 χ^2/NDF:468377.3/20

+ sign 57.118+/-0.008 χ^2/NDF: 1729100.8/37

All: 57.194+/-0.006 χ^2/NDF: 3698140.7/77

- 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: 93.236+/-84.271 χ^2/NDF:32.2/21

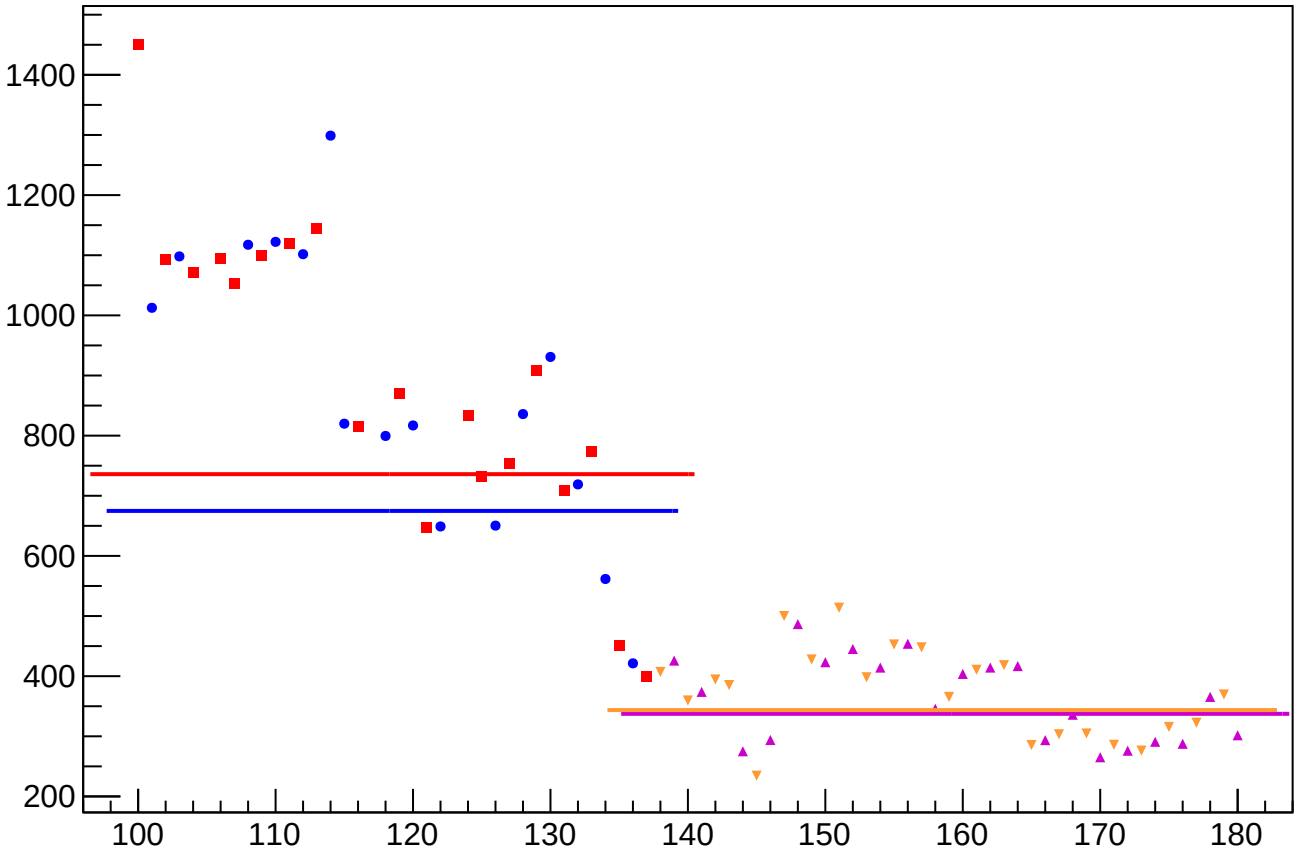
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 24.235+/-83.098 χ^2/NDF:30.7/20

+ sign 140.163+/-80.357 χ^2/NDF: 51.3/37

All: 84.751+/-56.613 χ^2/NDF: 98.1/77

- 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: 343.606+/-0.060 χ^2/NDF:1434077.4/21

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

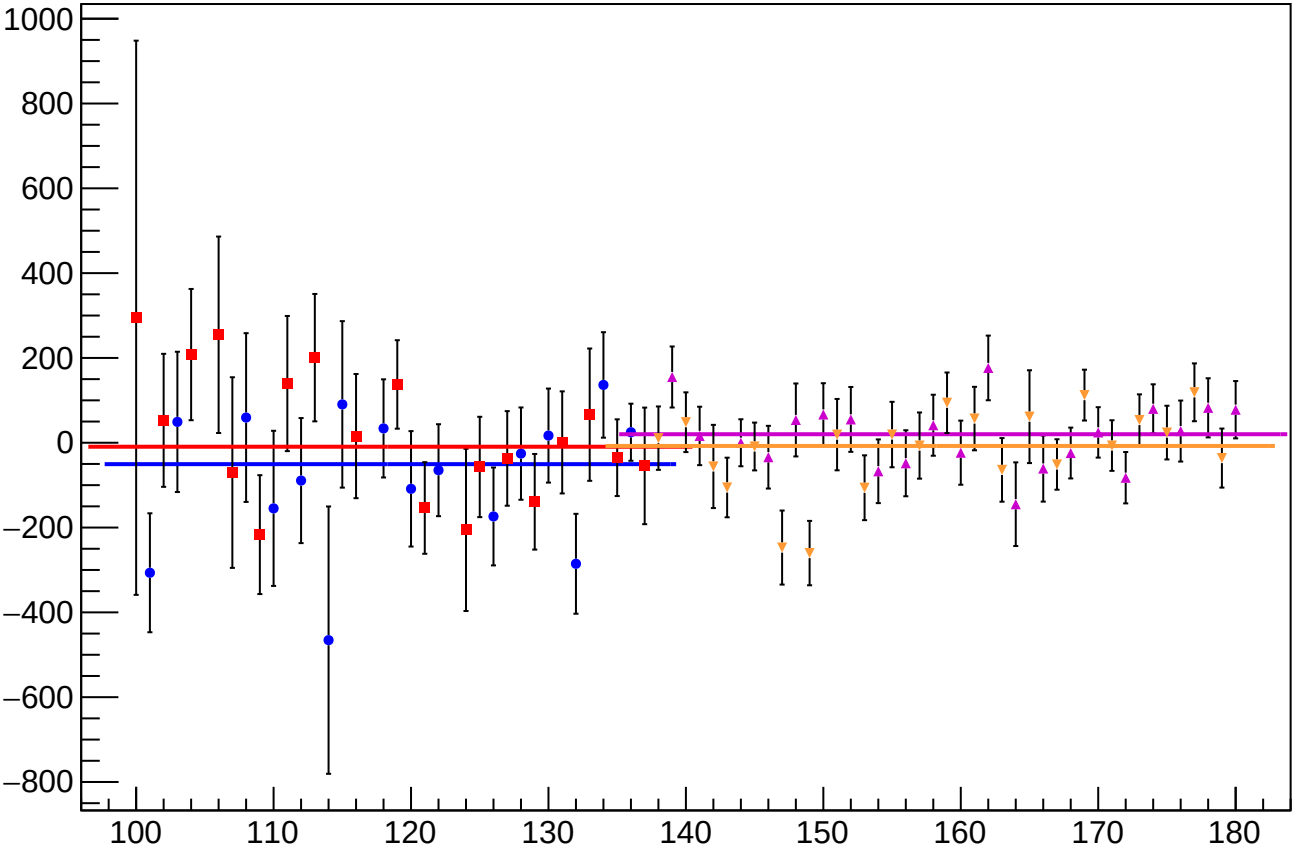
Left In: 337.375+/-0.059 χ^2/NDF:1201099.7/20

+ sign 373.652+/-0.057 χ^2/NDF: 5854531.0/37

All: 371.126+/-0.040 χ^2/NDF: 12165078.1/77

- 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: -7.545+/-15.123 χ^2/NDF:36.5/21

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

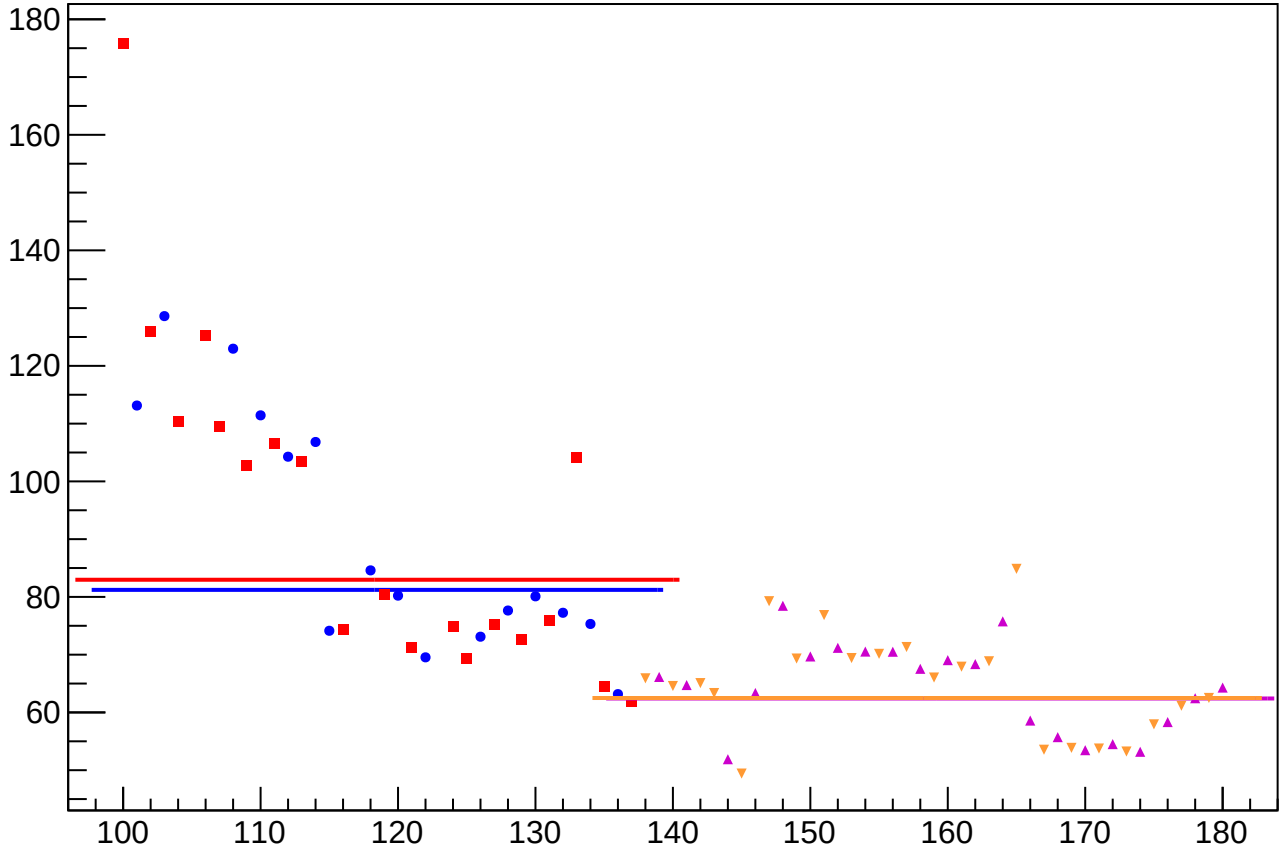
Left In: 20.104+/-15.245 χ^2/NDF:21.6/20

+ sign -15.769+/-13.597 χ^2/NDF: 54.5/37

All: -0.784+/-9.651 χ^2/NDF: 94.8/77

- 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: 62.497+/-0.011 χ^2/NDF:626168.8/21

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

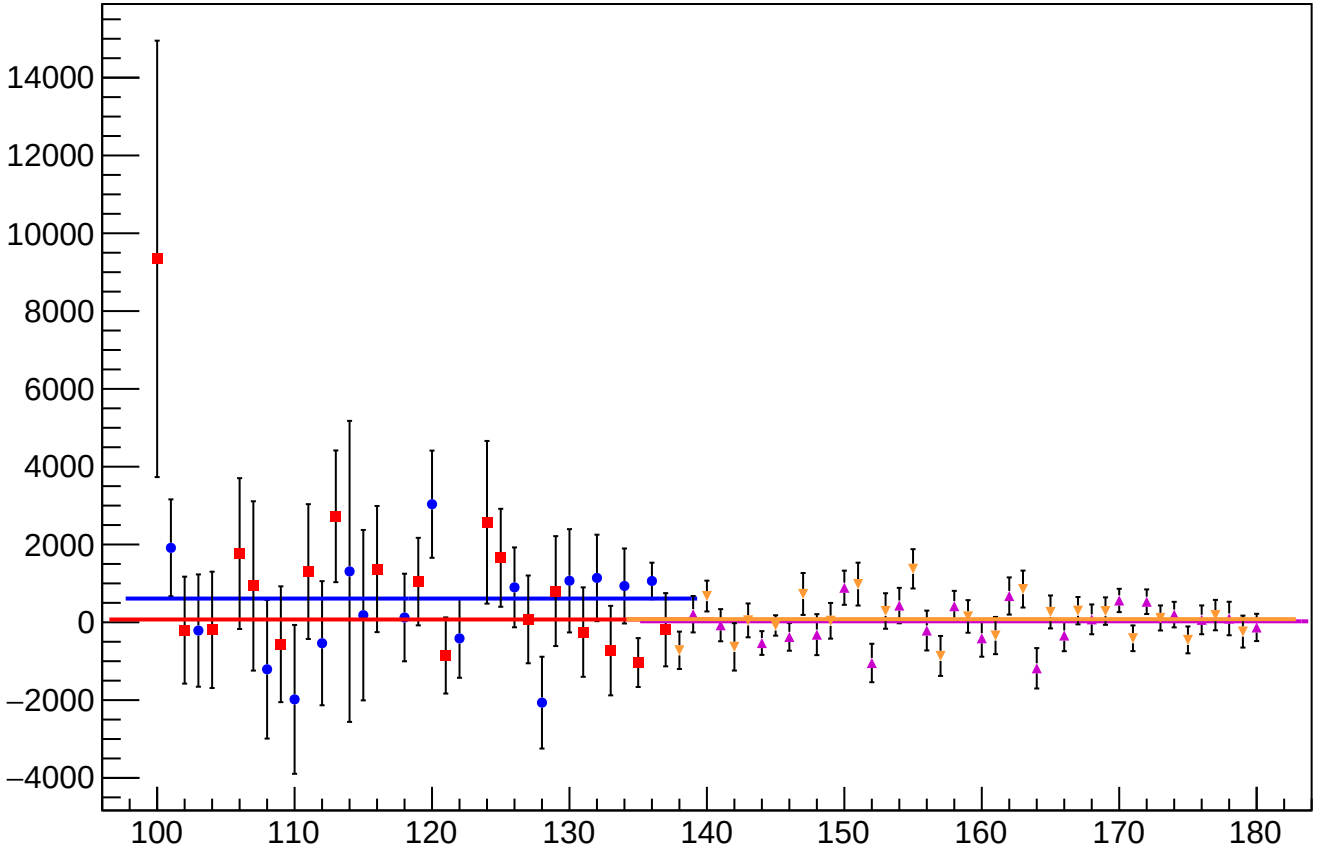
Left In: 62.414+/-0.011 χ^2/NDF:482826.5/20

+ sign 66.084+/-0.010 χ^2/NDF: 1876350.9/37

All: 66.226+/-0.007 χ^2/NDF: 3789629.3/77

- 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: 80.638+/-86.684 χ^2/NDF:30.7/21

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

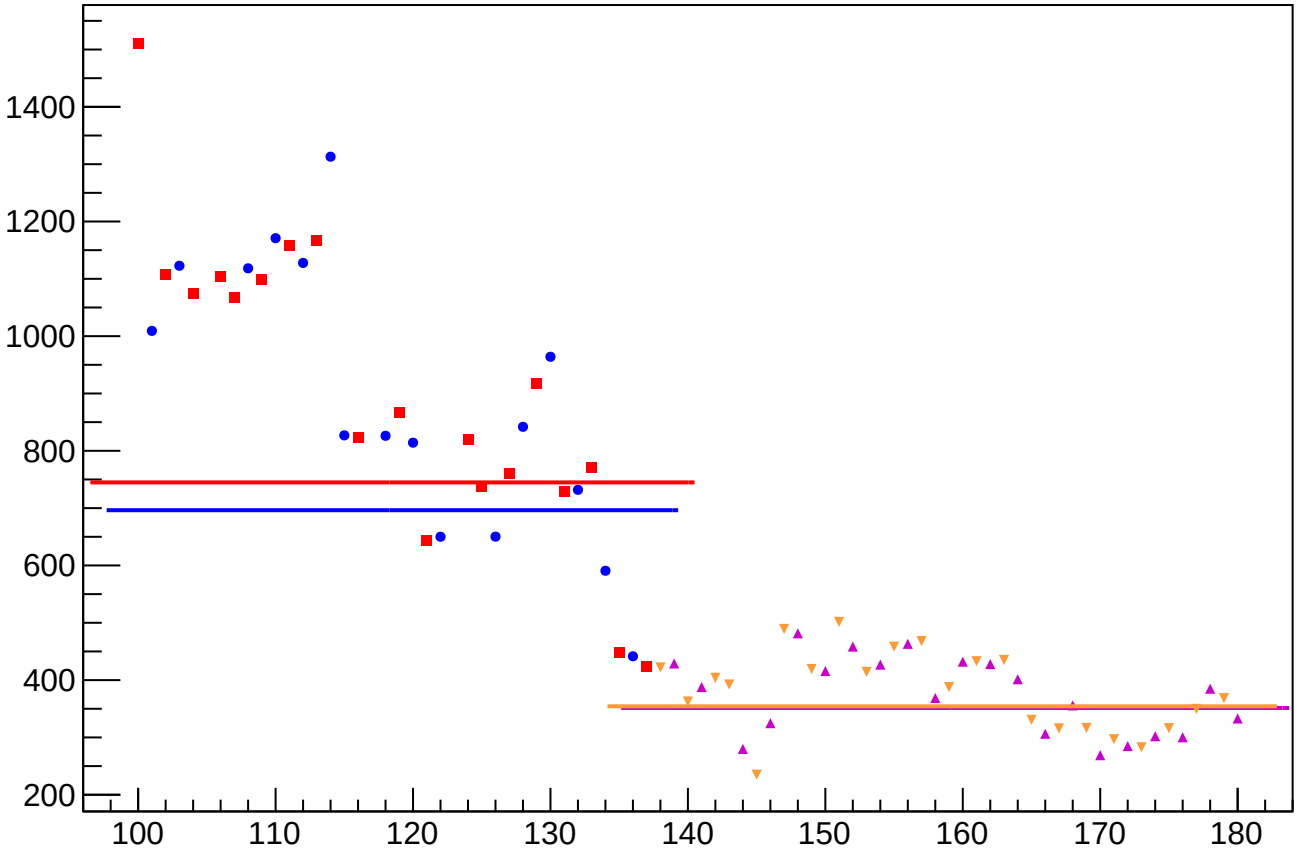
Left In: 25.679+/-86.459 χ^2/NDF:31.0/20

+ sign 128.841+/-82.646 χ^2/NDF: 49.9/37

All: 79.282+/-58.487 χ^2/NDF: 97.8/77

- 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: 354.313+/-0.061 χ^2/NDF:1373269.1/21

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

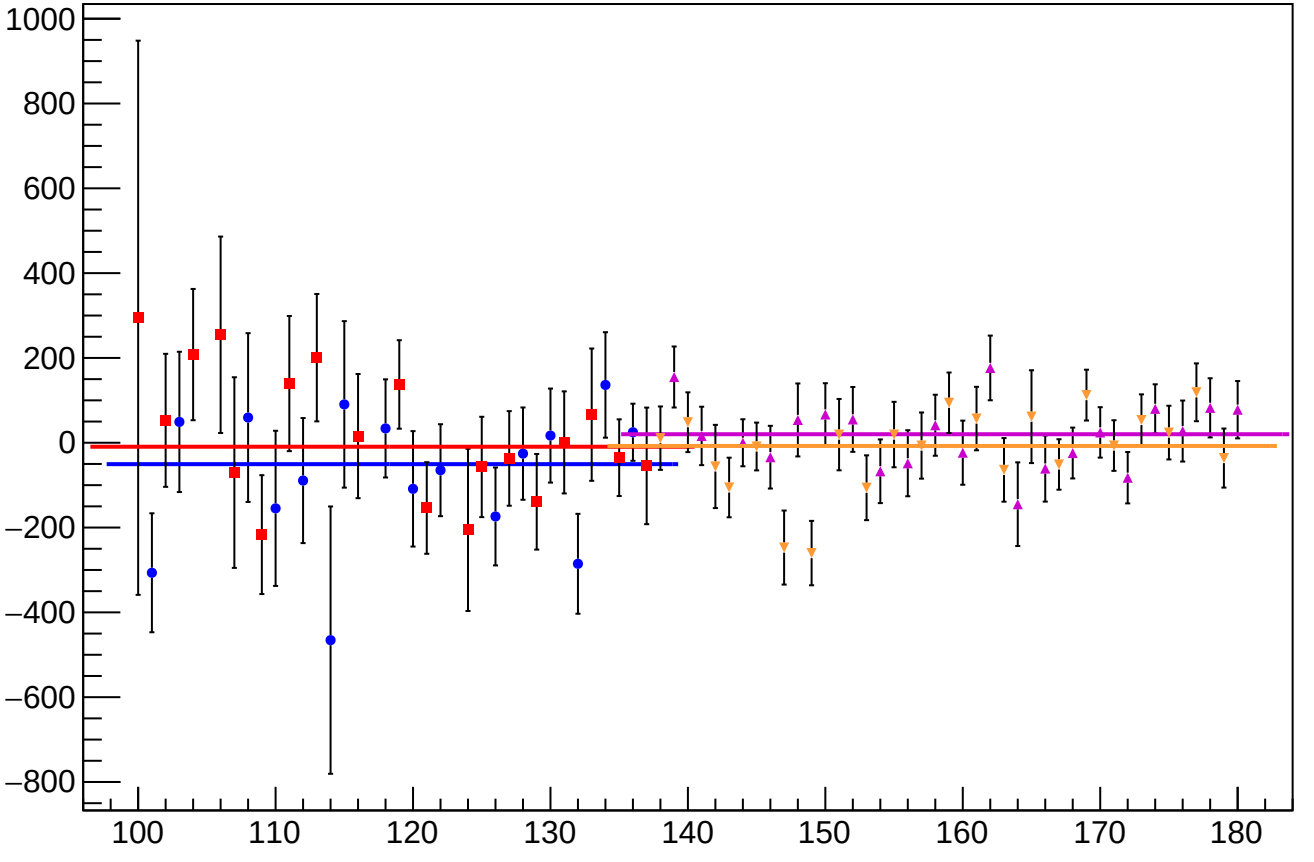
Left In: 351.365+/-0.061 χ^2/NDF:1098772.0/20

+ sign 385.438+/-0.058 χ^2/NDF: 5722438.7/37

All: 384.790+/-0.041 χ^2/NDF: 11770644.0/77

- 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: -7.544+/-15.123 χ^2/NDF:36.5/21

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

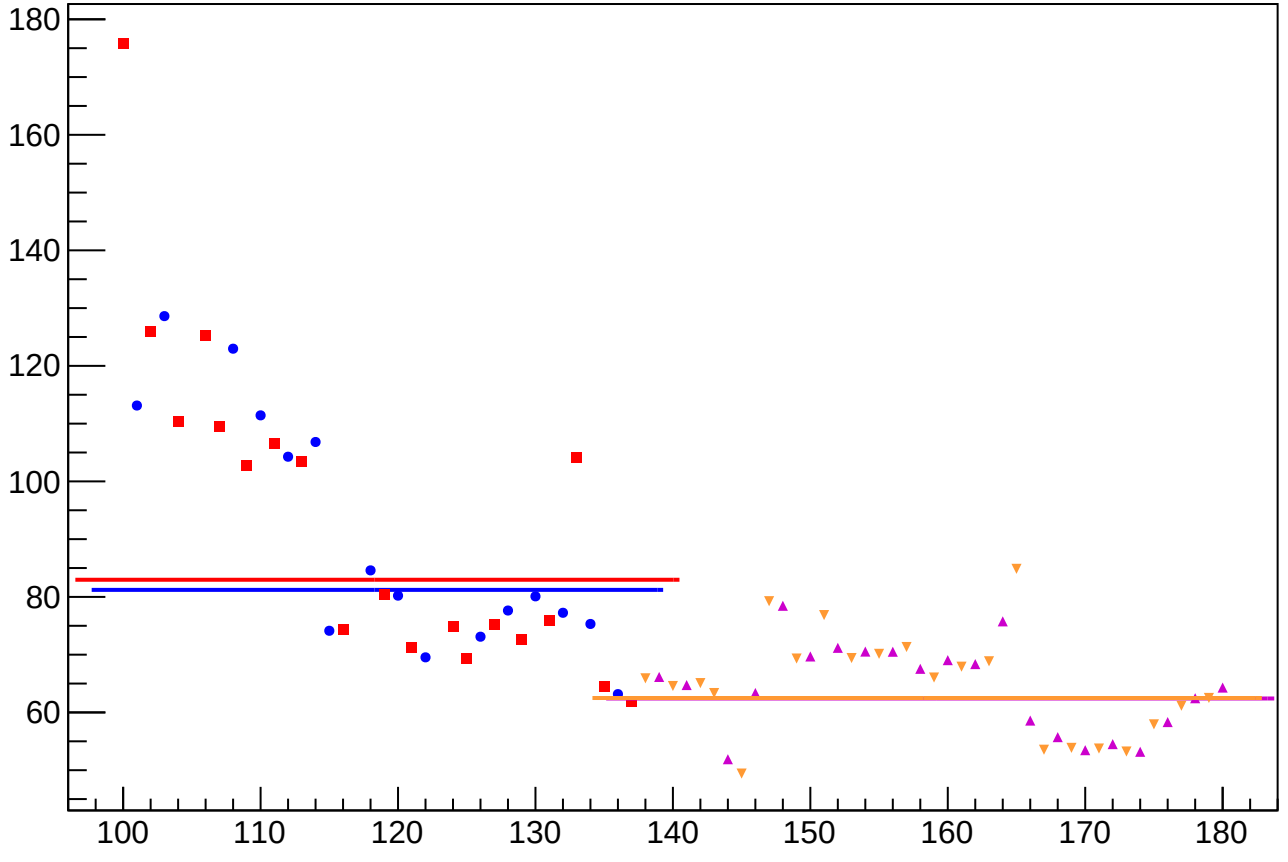
Left In: 20.104+/-15.246 χ^2/NDF:21.6/20

+ sign -15.769+/-13.597 χ^2/NDF: 54.5/37

All: -0.784+/-9.651 χ^2/NDF: 94.8/77

- 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: 62.497+/-0.011 χ^2/NDF:626166.6/21

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

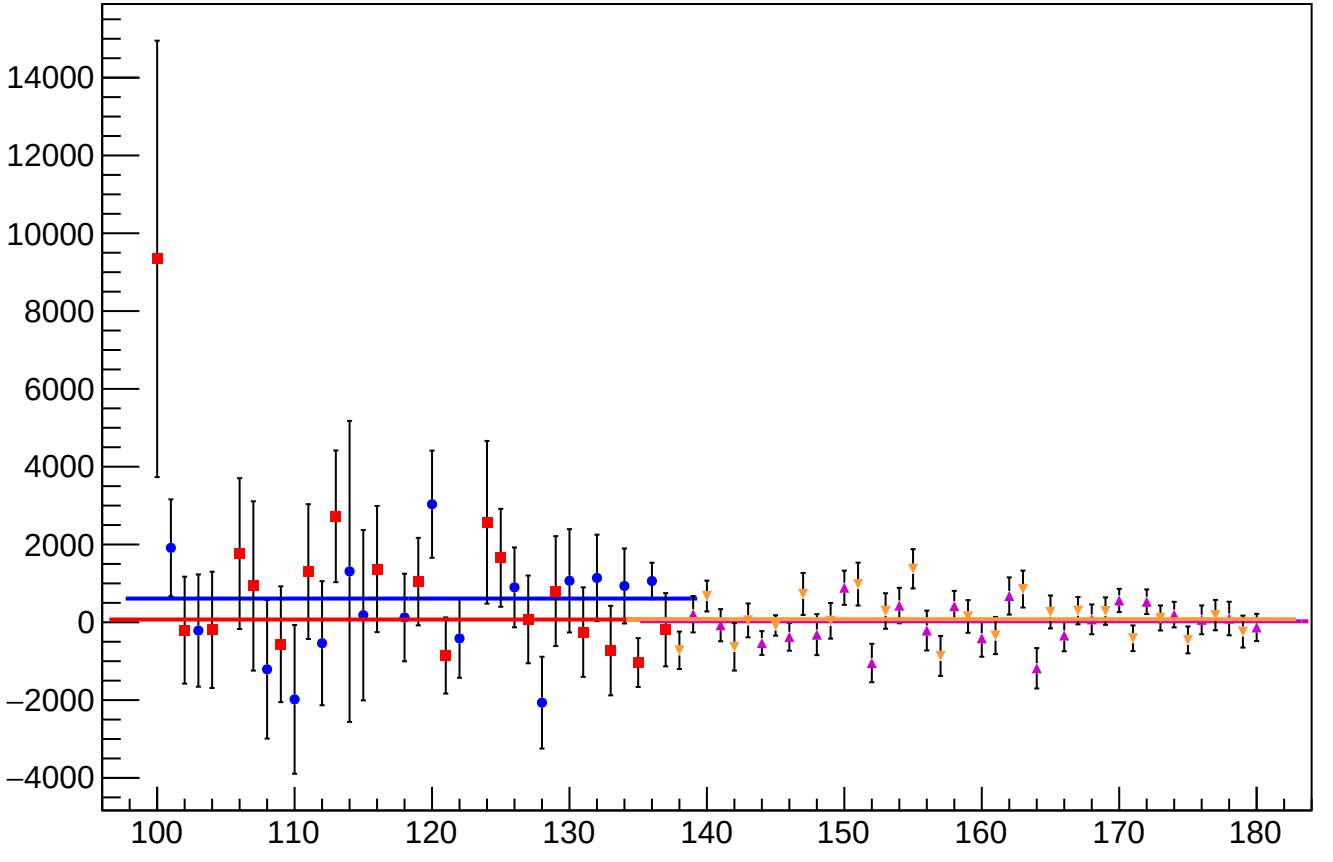
Left In: 62.414+/-0.011 χ^2/NDF:482820.8/20

+ sign 66.084+/-0.010 χ^2/NDF: 1876307.2/37

All: 66.226+/-0.007 χ^2/NDF: 3789539.5/77

- sign 66.369+/-0.010 χ^2/NDF: 1912796.6/39

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 80.639+/-86.684 χ^2/NDF:30.7/21

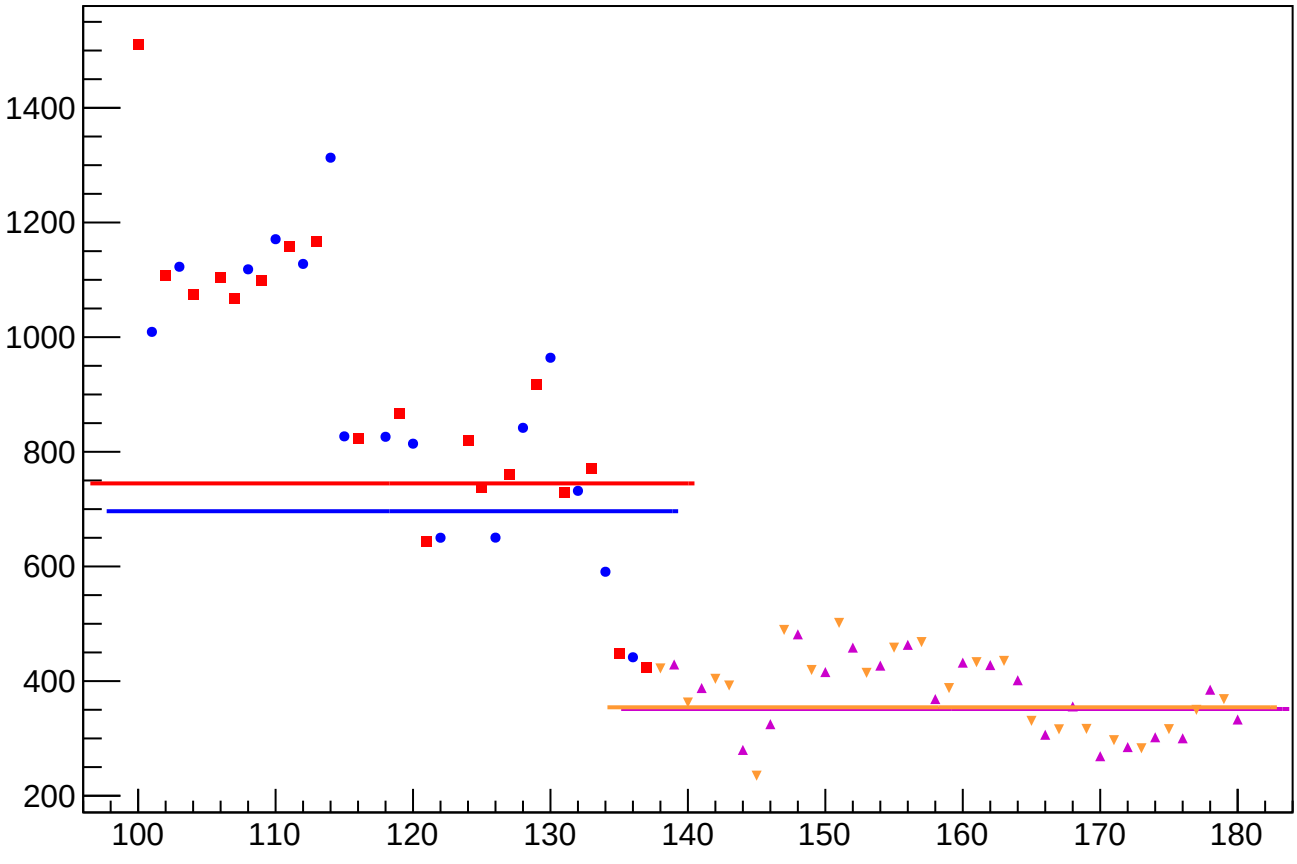
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 25.679+/-86.459 χ^2/NDF:31.0/20

+ sign 128.842+/-82.646 χ^2/NDF: 49.9/37

All: 79.283+/-58.487 χ^2/NDF: 97.8/77

- 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: 354.314+/-0.061 χ^2/NDF:1373284.0/21

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

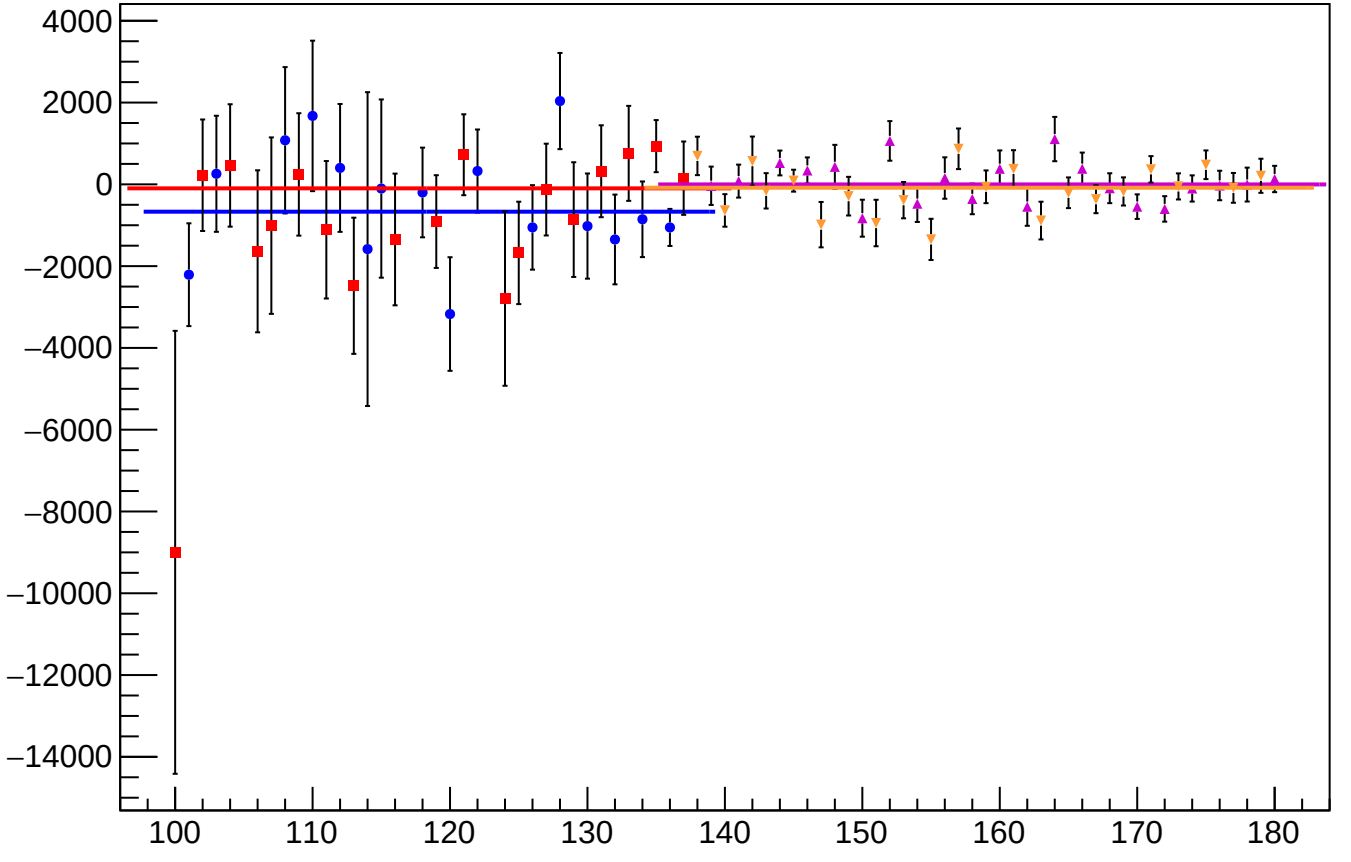
Left In: 351.365+/-0.061 χ^2/NDF:1098777.1/20

+ sign 385.438+/-0.058 χ^2/NDF: 5722427.7/37

All: 384.791+/-0.041 χ^2/NDF: 11770609.3/77

- 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: -82.906+/-85.321 χ^2/NDF:31.8/21

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

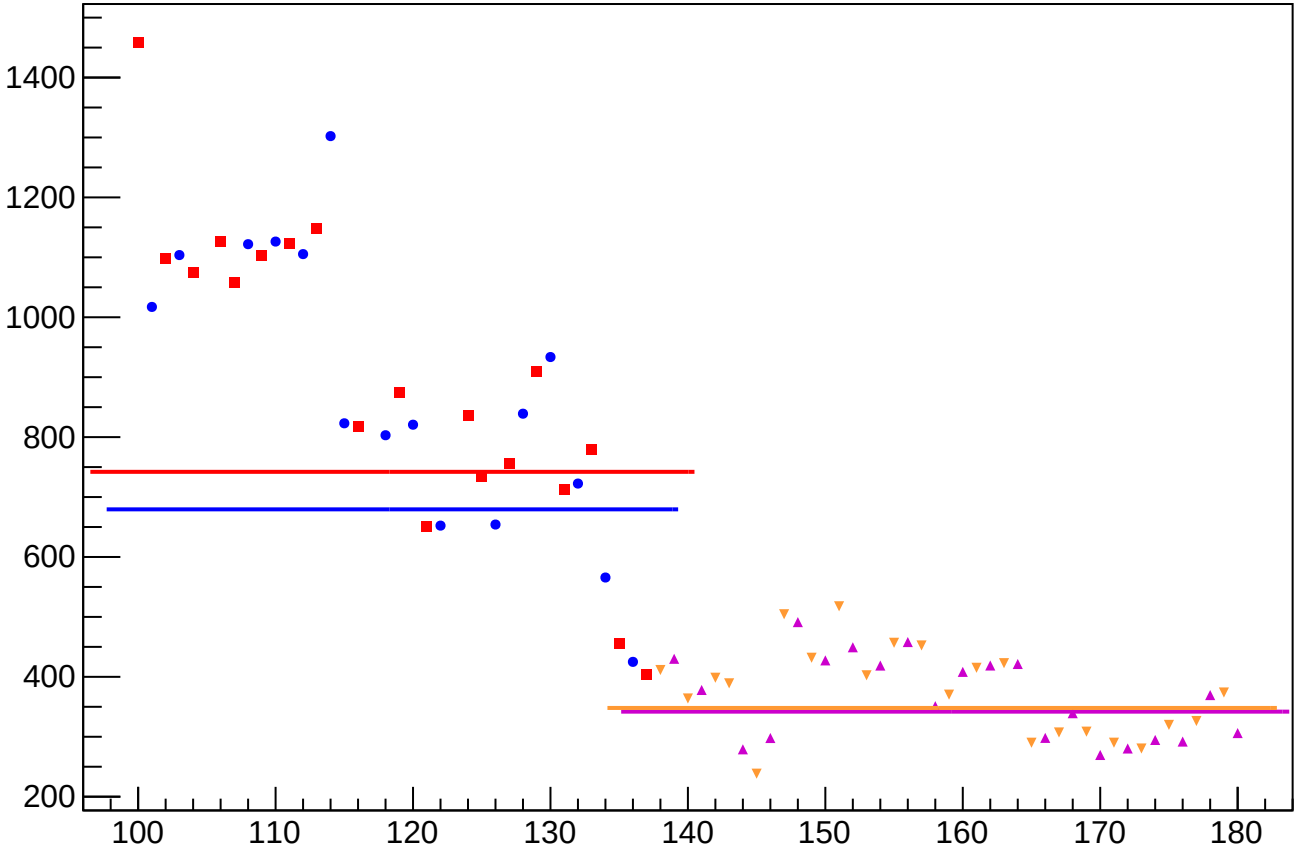
Left In: -1.832+/-84.175 χ^2/NDF:29.6/20

+ sign -136.632+/-81.313 χ^2/NDF: 52.2/37

All: -72.624+/-57.296 χ^2/NDF: 98.0/77

- 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: 348.083+/-0.060 χ^2/NDF:1404098.1/21

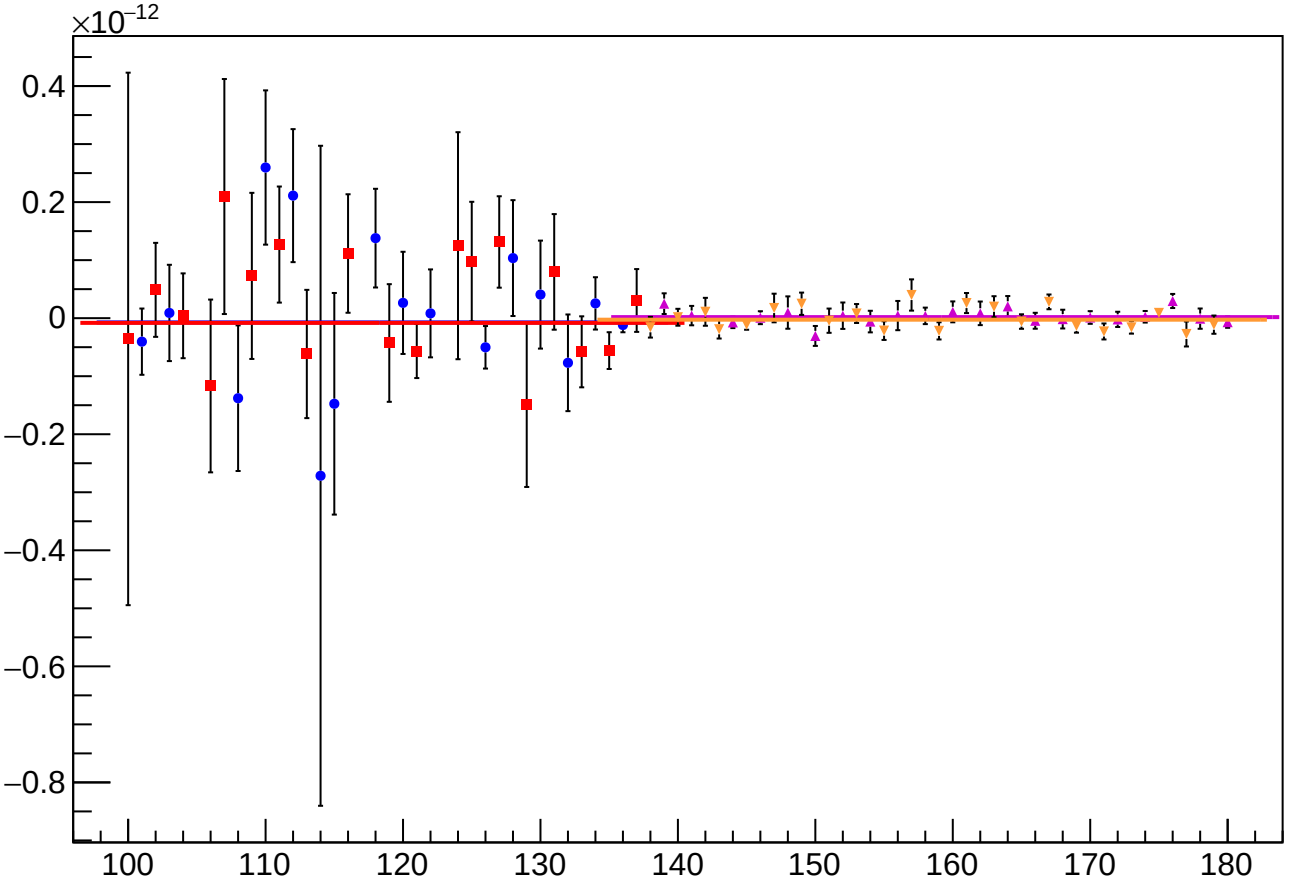
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 341.917+/-0.060 χ^2/NDF:1175411.9/20

+ sign 378.486+/-0.057 χ^2/NDF: 5773055.7/37

All: 376.147+/-0.041 χ^2/NDF: 12062136.5/77

- 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:30.1/21

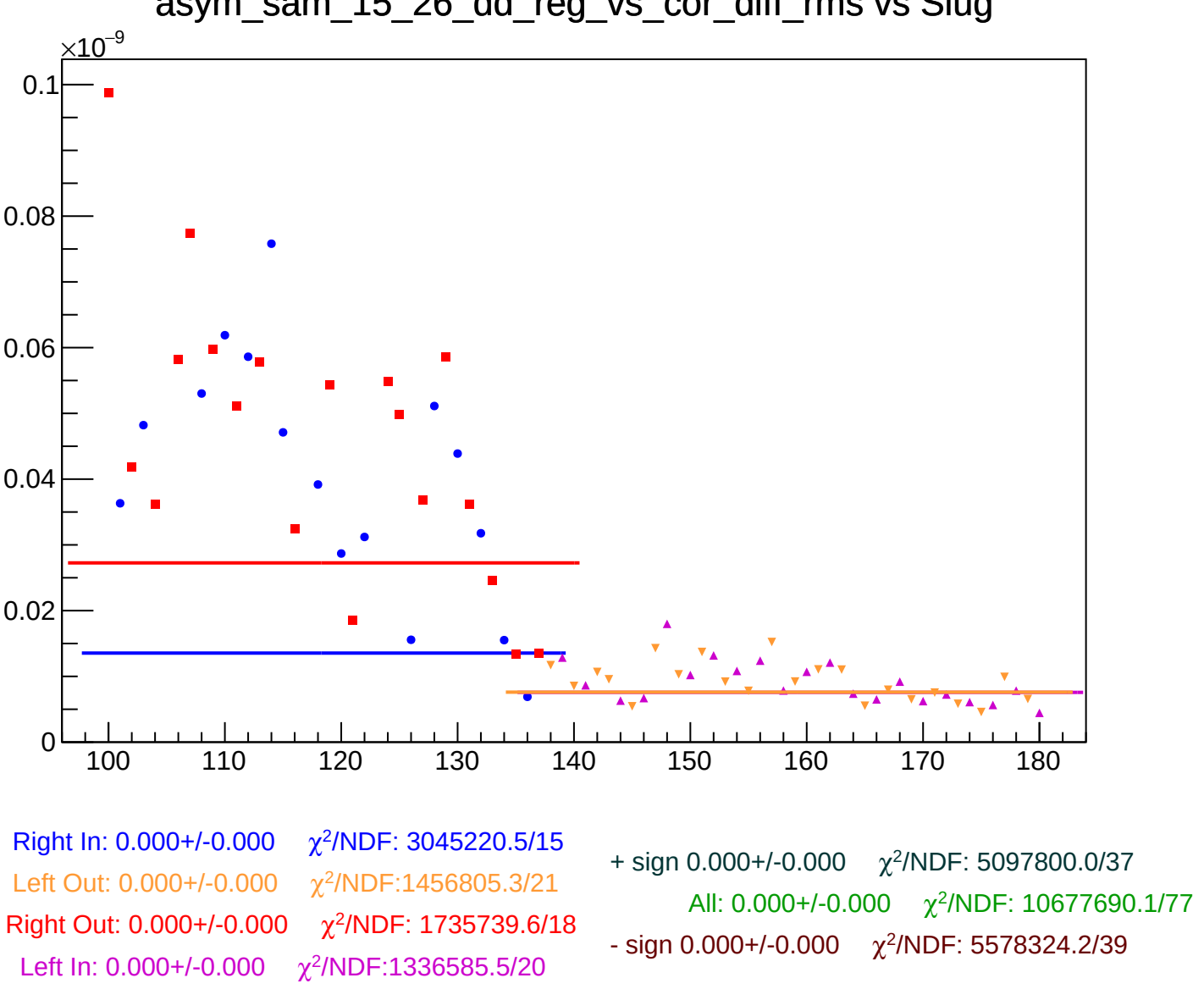
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/20

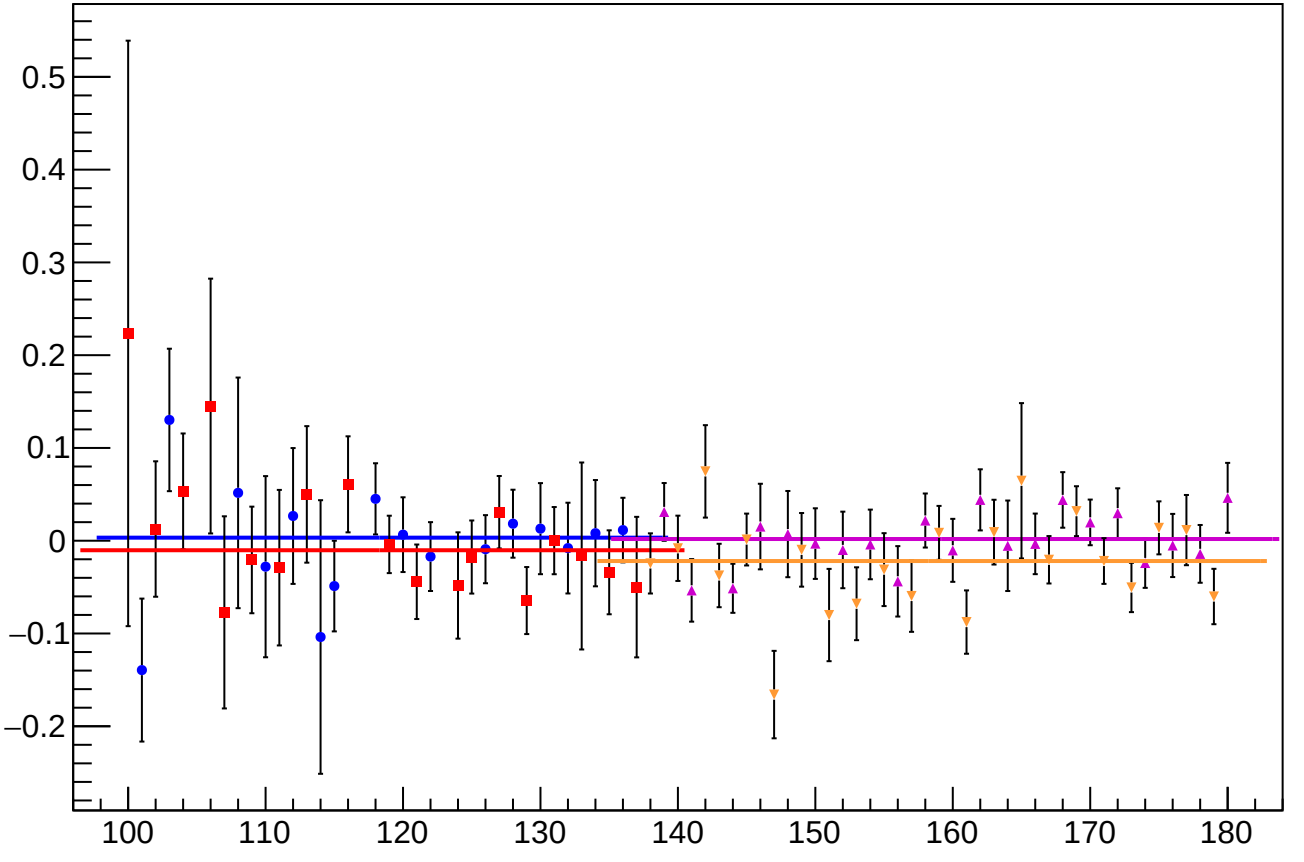
+ sign -0.000+/-0.000 χ^2/NDF: 47.5/37

All: -0.000+/-0.000 χ^2/NDF: 80.3/77

- sign 0.000+/-0.000 χ^2/NDF: 31.6/39


asym_sam_15_26_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: 3045220.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1456805.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 1735739.6/18
Left In: 0.000+/-0.000 χ²/NDF:1336585.5/20
+ sign 0.000+/-0.000 χ²/NDF: 5097800.0/37
All: 0.000+/-0.000 χ²/NDF: 10677690.1/77
- sign 0.000+/-0.000 χ²/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: -0.022+/-0.007 χ^2/NDF:33.8/21

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

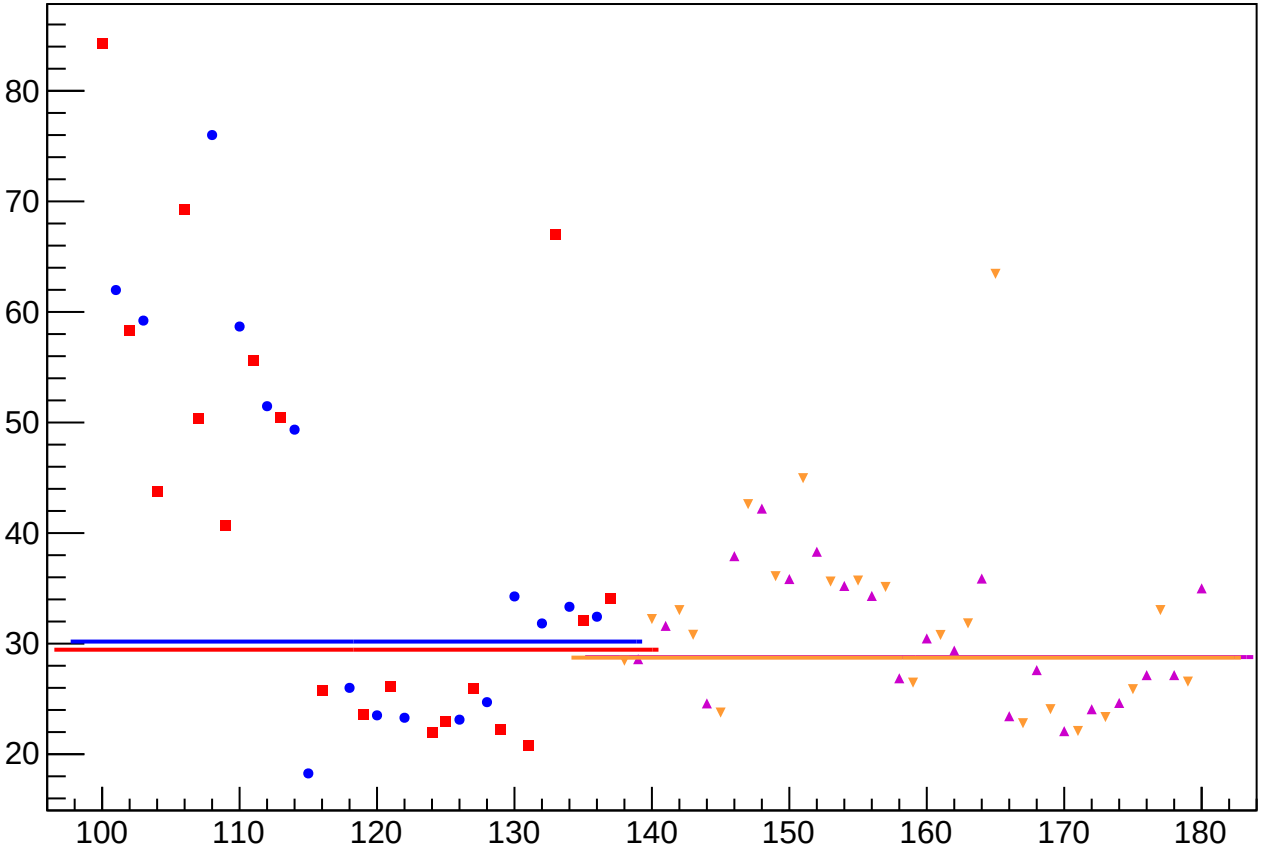
Left In: 0.002+/-0.007 χ^2/NDF:17.8/20

+ sign -0.016+/-0.006 χ^2/NDF: 47.1/37

All: -0.008+/-0.004 χ^2/NDF: 79.5/77

- 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: 28.734+/-0.005 χ^2/NDF:1569456.7/21

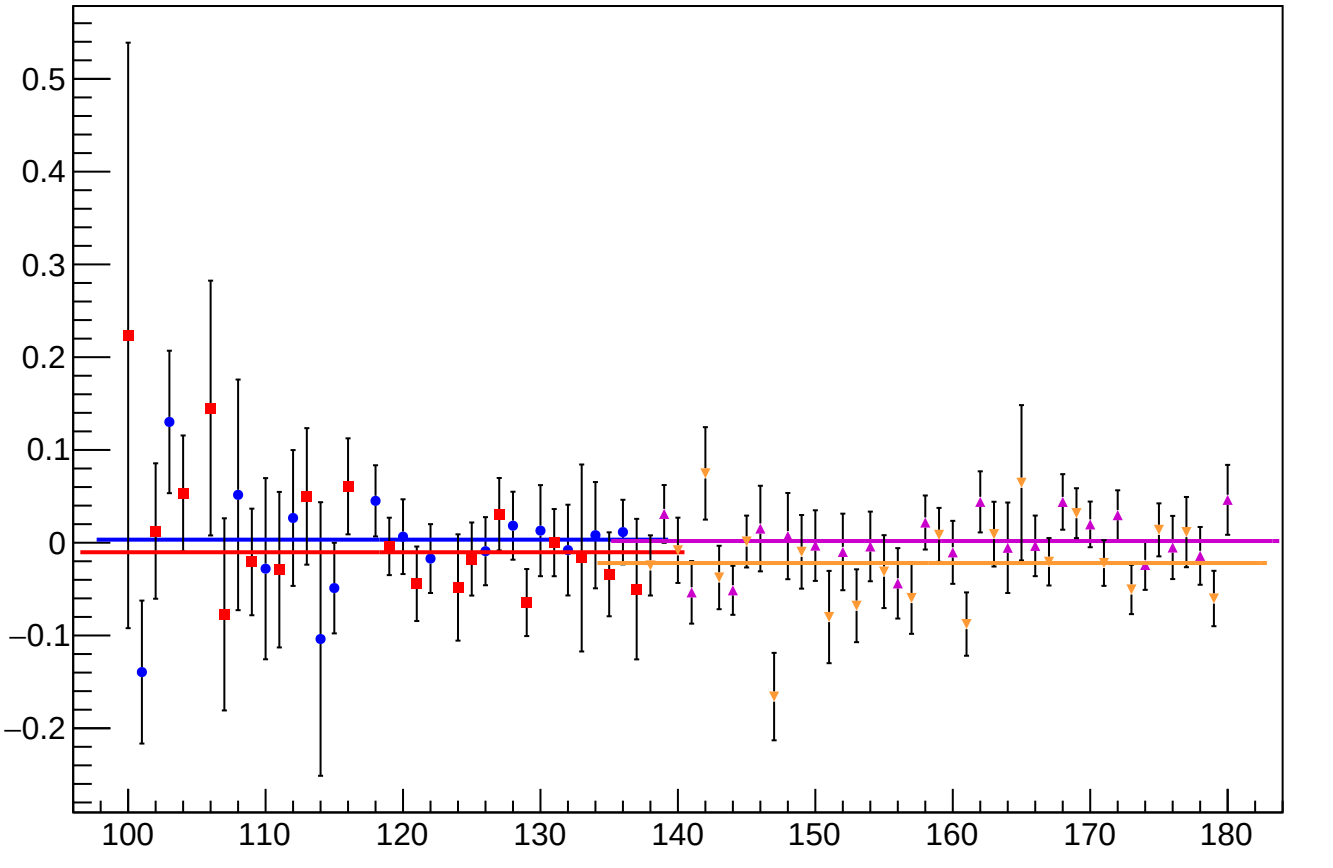
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.784+/-0.005 χ^2/NDF:1022121.2/20

+ sign 29.099+/-0.004 χ^2/NDF: 3277774.0/37

All: 29.031+/-0.003 χ^2/NDF: 6153679.5/77

- 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: -0.022+/-0.007 χ^2/NDF:33.8/21

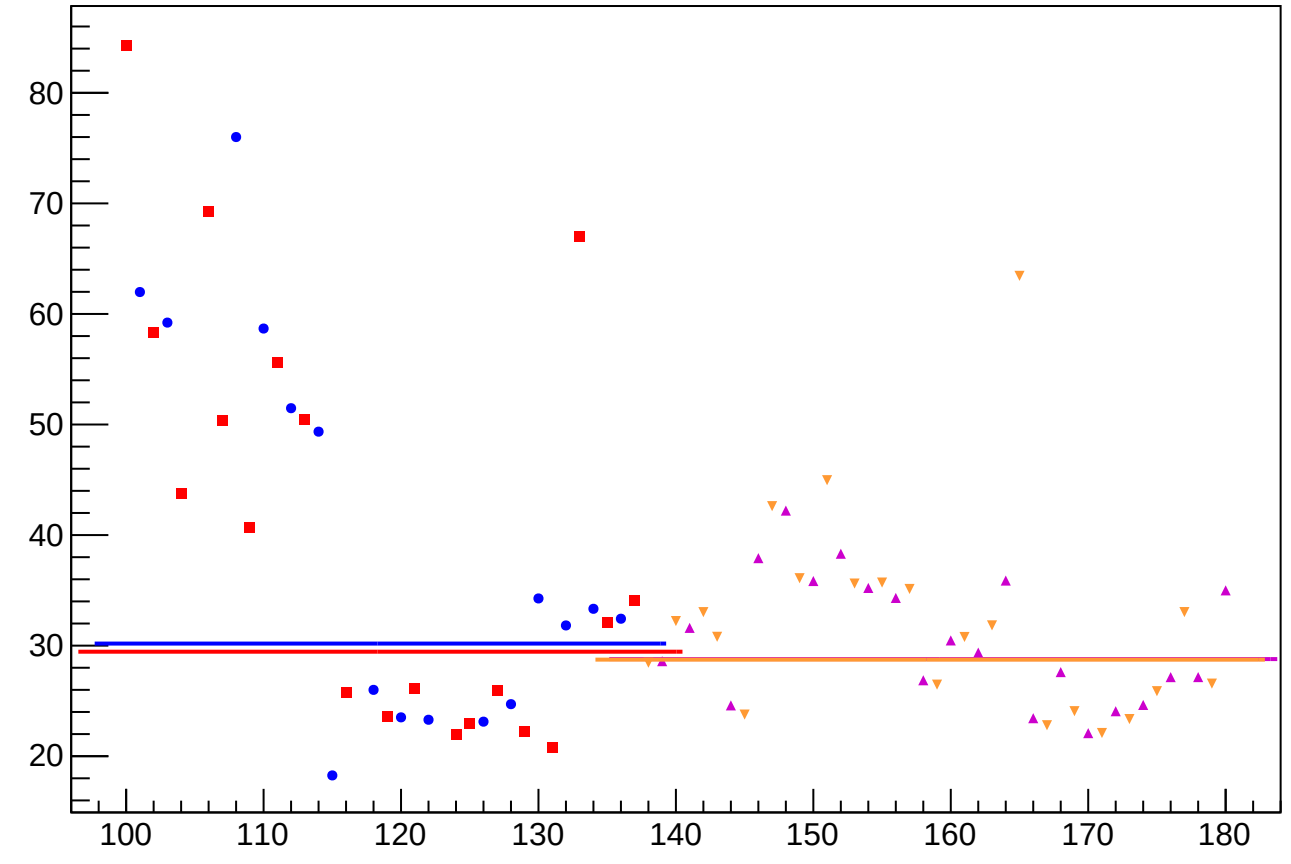
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.002+/-0.007 χ^2/NDF:17.8/20

+ sign -0.016+/-0.006 χ^2/NDF: 47.1/37

All: -0.008+/-0.004 χ^2/NDF: 79.5/77

- 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: 28.734+/-0.005 χ^2/NDF:1569456.7/21

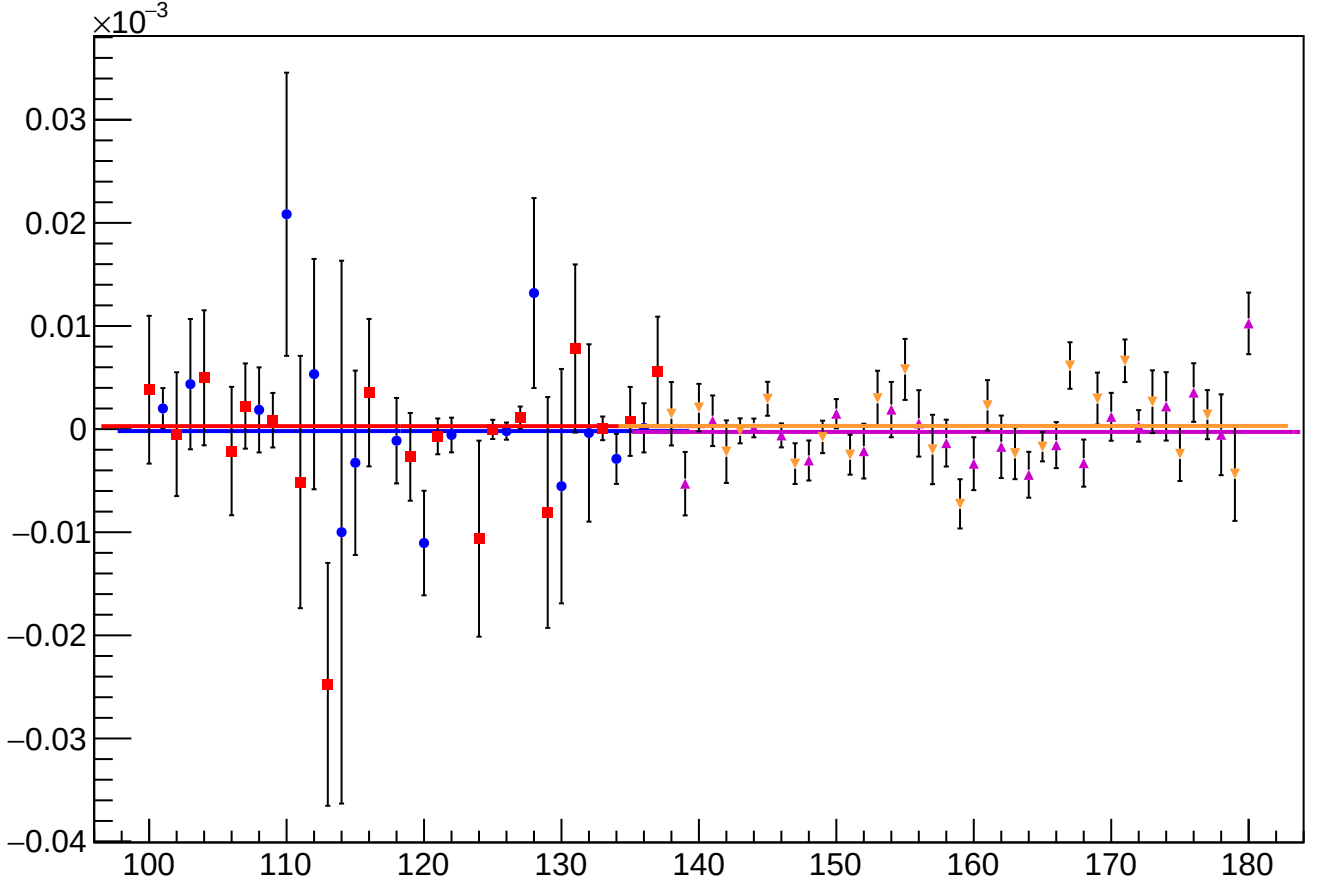
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.784+/-0.005 χ^2/NDF:1022121.2/20

+ sign 29.099+/-0.004 χ^2/NDF: 3277774.0/37

All: 29.031+/-0.003 χ^2/NDF: 6153679.5/77

- 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:48.9/21

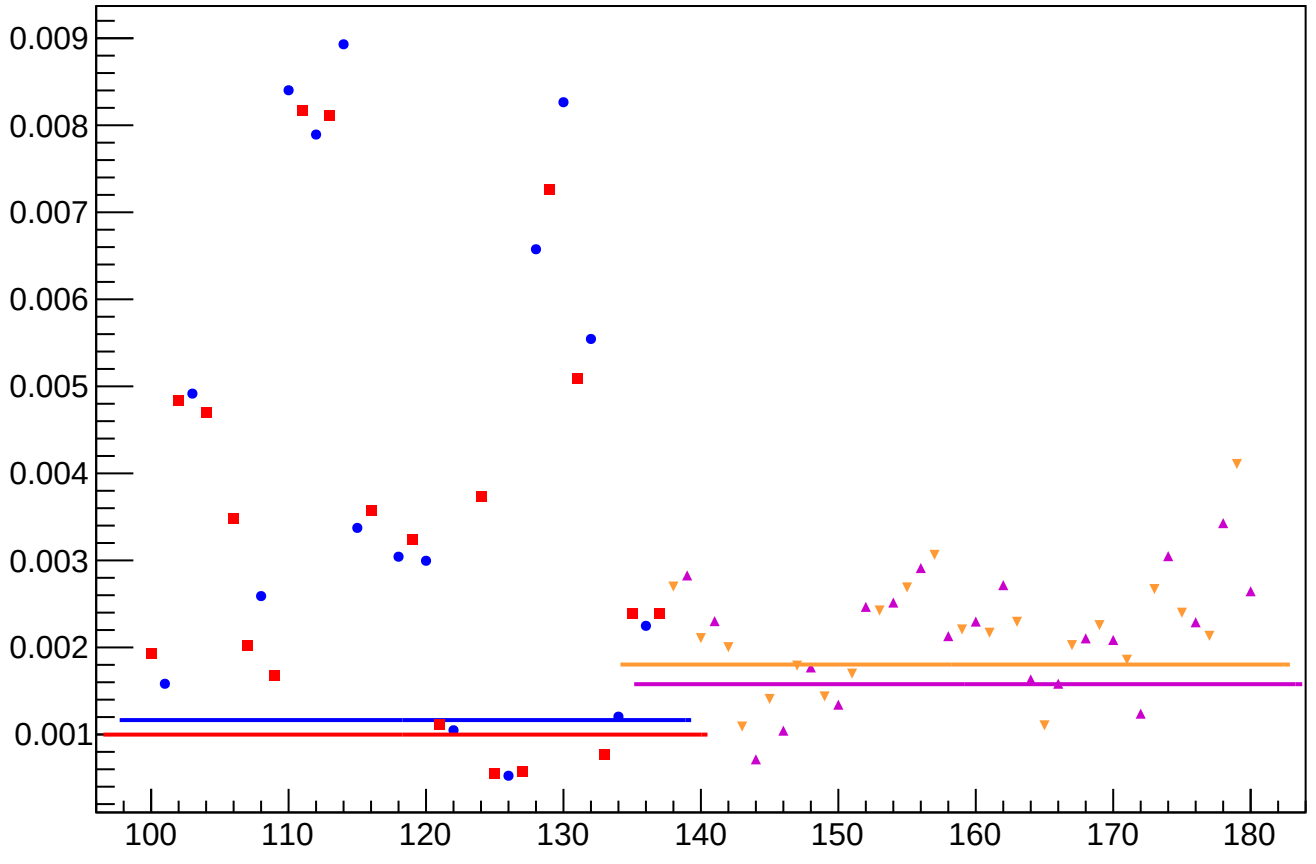
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:30.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/37

All: 0.000+/-0.000 χ^2/NDF: 105.4/77

- sign -0.000+/-0.000 χ^2/NDF: 42.8/39



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3260827.9/21

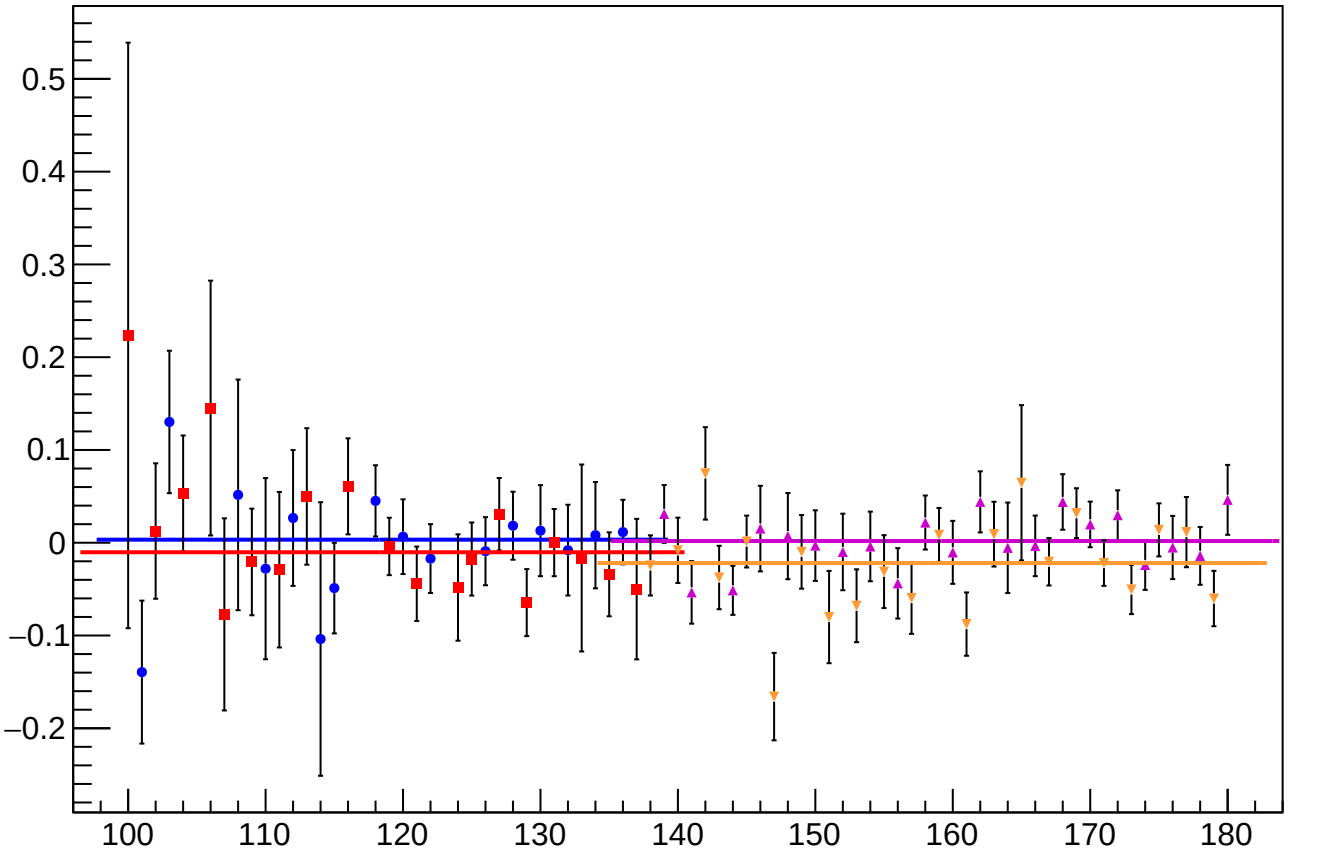
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:5691782.0/20

+ sign 0.002+/-0.000 χ^2/NDF: 11531861.2/37

All: 0.001+/-0.000 χ^2/NDF: 26069668.7/77

- sign 0.001+/-0.000 χ^2/NDF: 14096528.3/39



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

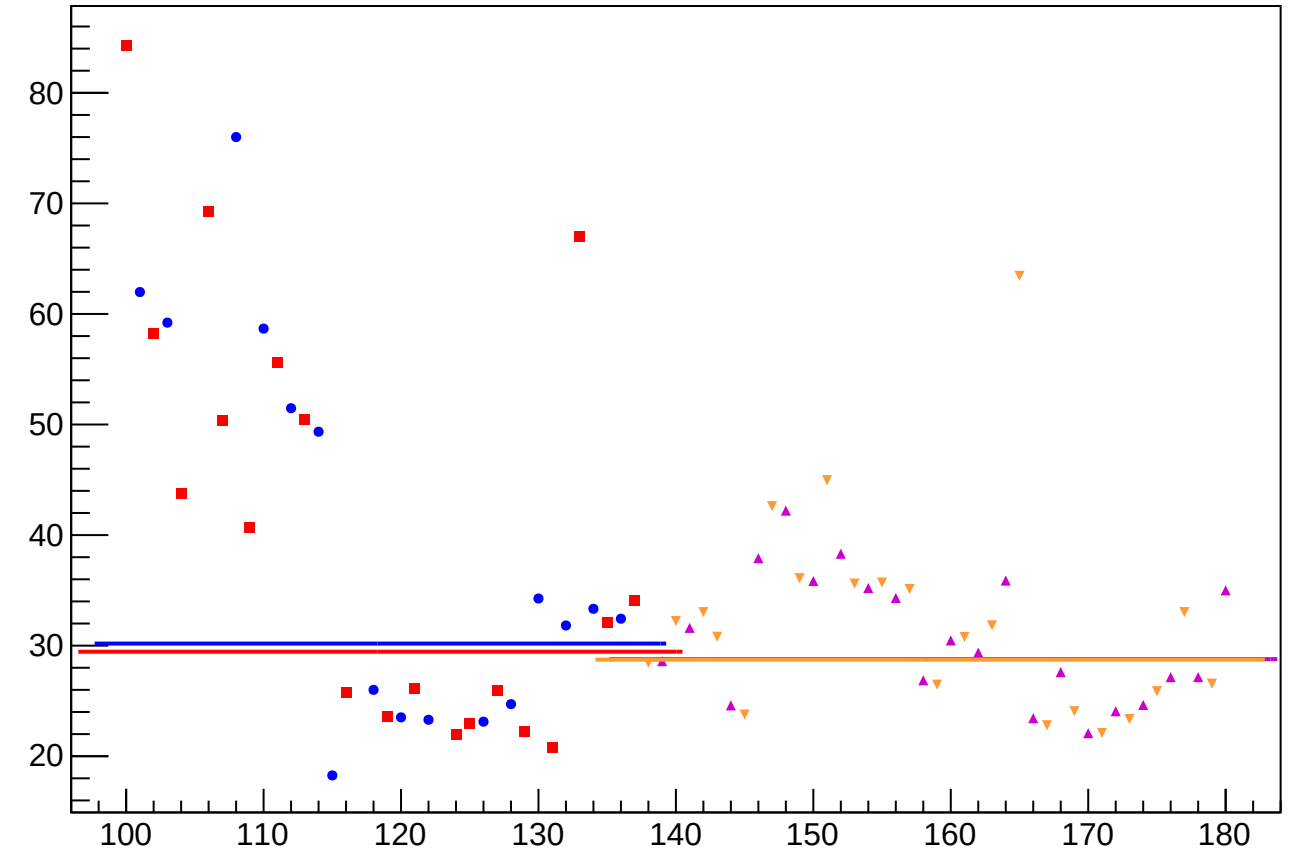
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.002+/-0.007 χ^2/NDF:17.8/20

+ sign -0.016+/-0.006 χ^2/NDF: 47.1/37

All: -0.008+/-0.004 χ^2/NDF: 79.5/77

- 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: 28.735+/-0.005 χ^2/NDF:1569426.5/21

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

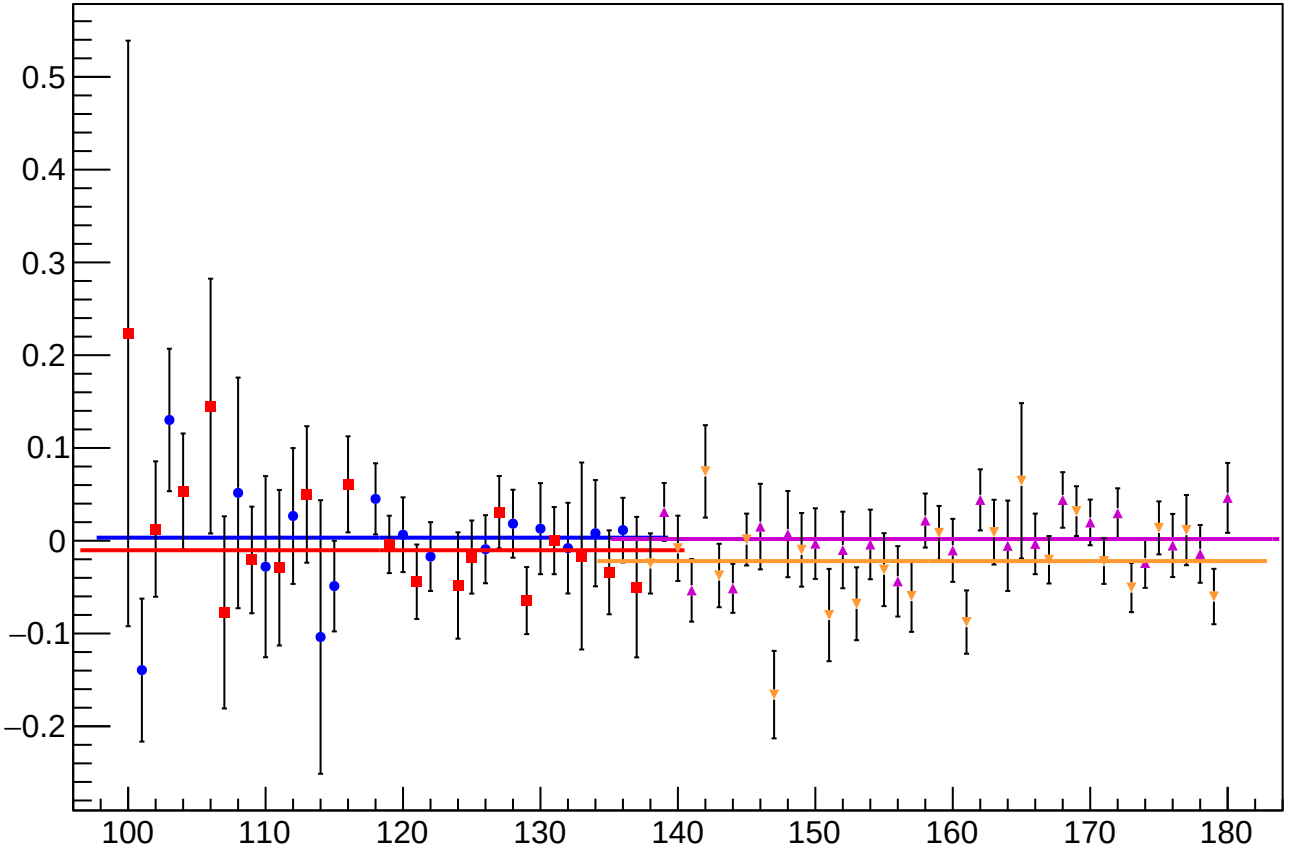
Left In: 28.784+/-0.005 χ^2/NDF:1022105.5/20

+ sign 29.099+/-0.004 χ^2/NDF: 3277556.4/37

All: 29.031+/-0.003 χ^2/NDF: 6153430.4/77

- 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



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

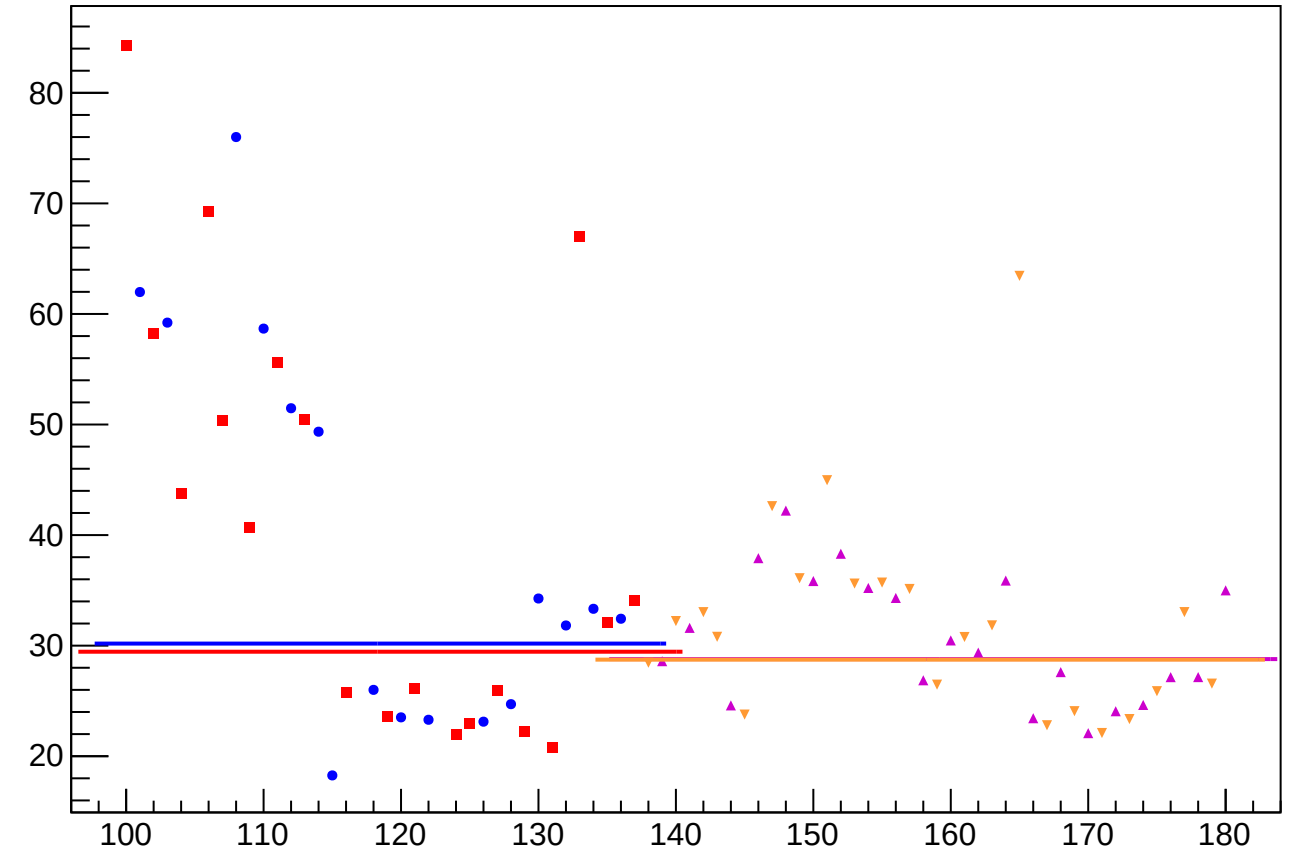
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.002+/-0.007 χ^2/NDF:17.8/20

+ sign -0.016+/-0.006 χ^2/NDF: 47.1/37

All: -0.008+/-0.004 χ^2/NDF: 79.5/77

- 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: 28.735+/-0.005 χ^2/NDF:1569426.5/21

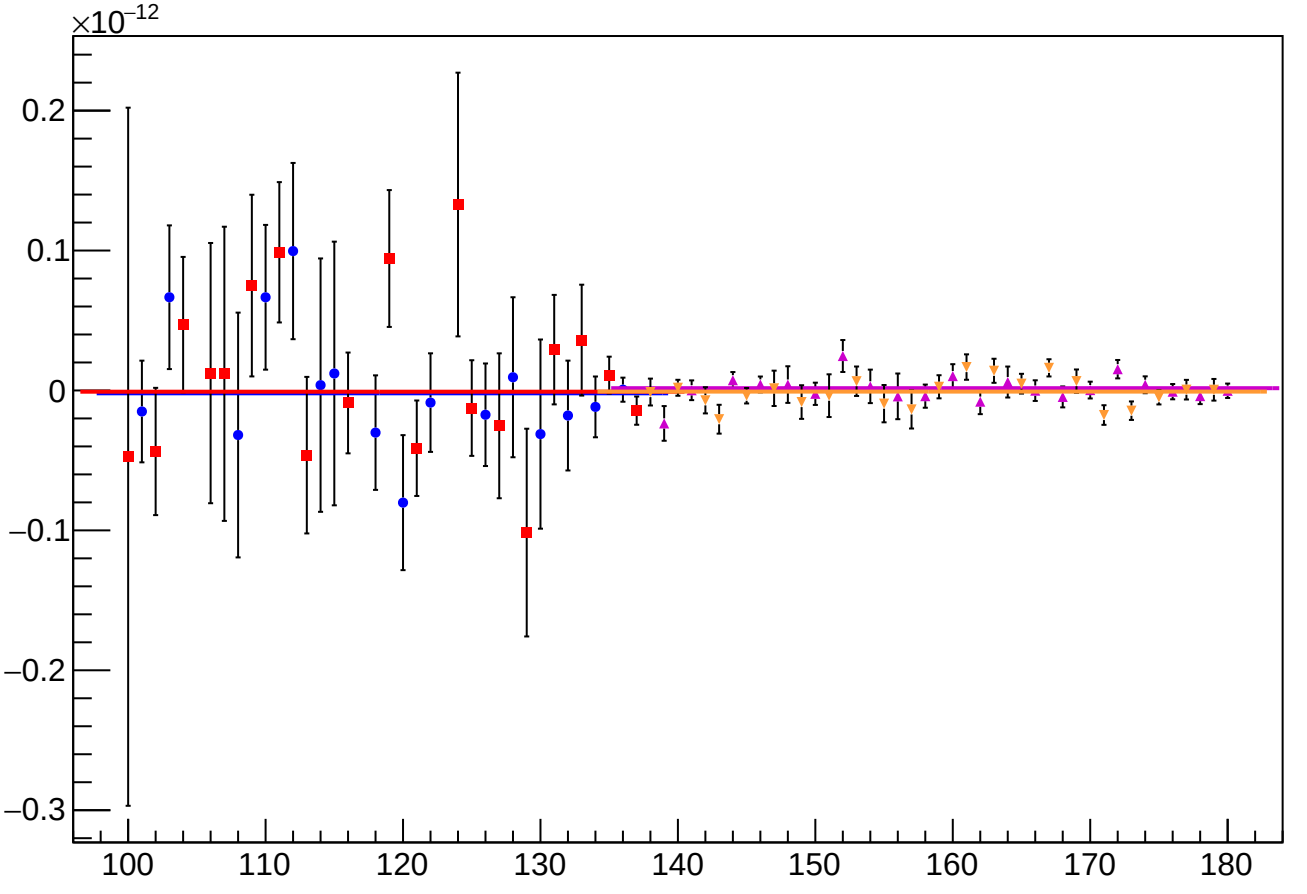
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.784+/-0.005 χ^2/NDF:1022105.5/20

+ sign 29.099+/-0.004 χ^2/NDF: 3277556.4/37

All: 29.031+/-0.003 χ^2/NDF: 6153430.4/77

- sign 28.964+/-0.004 χ^2/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:33.5/21

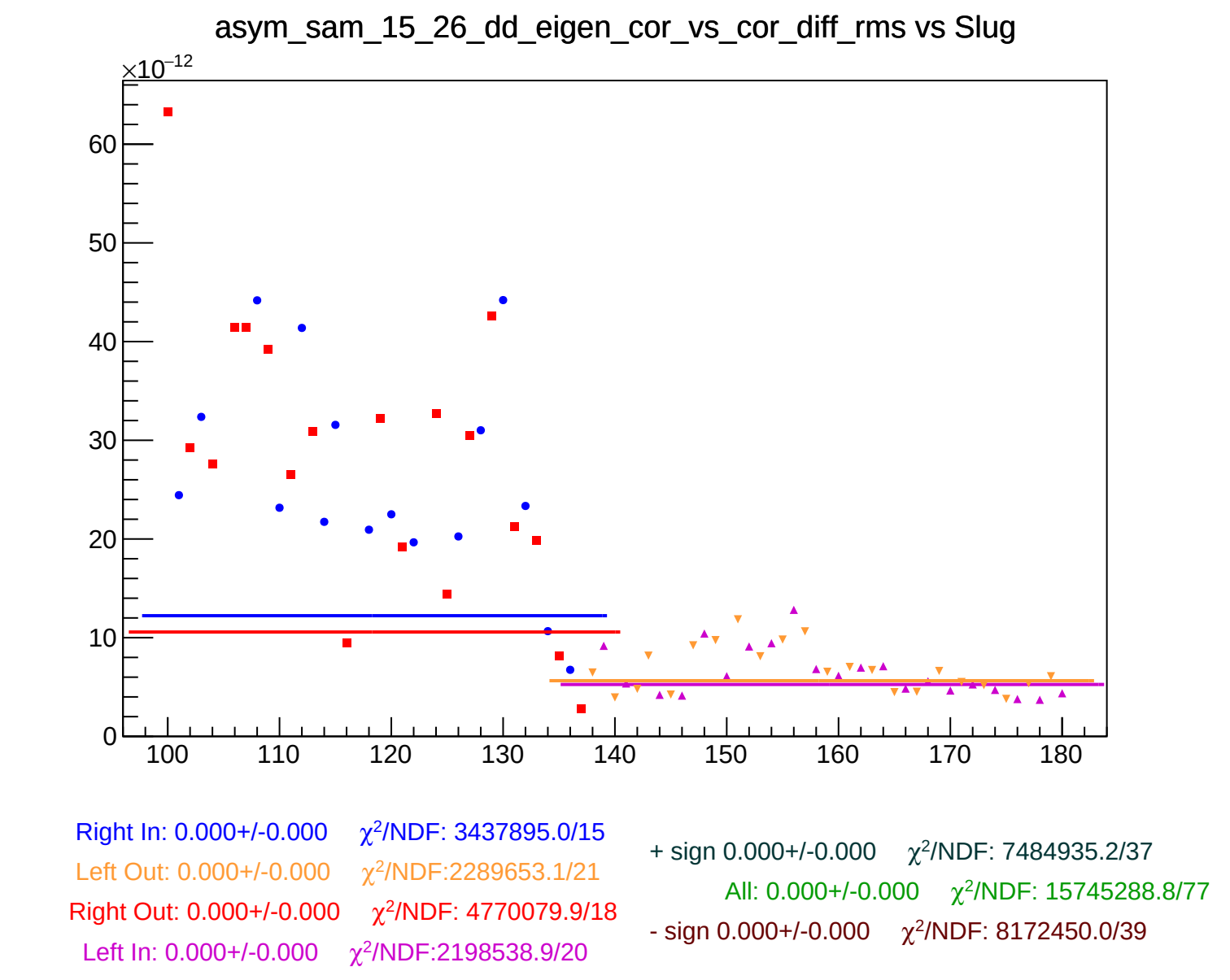
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.2/20

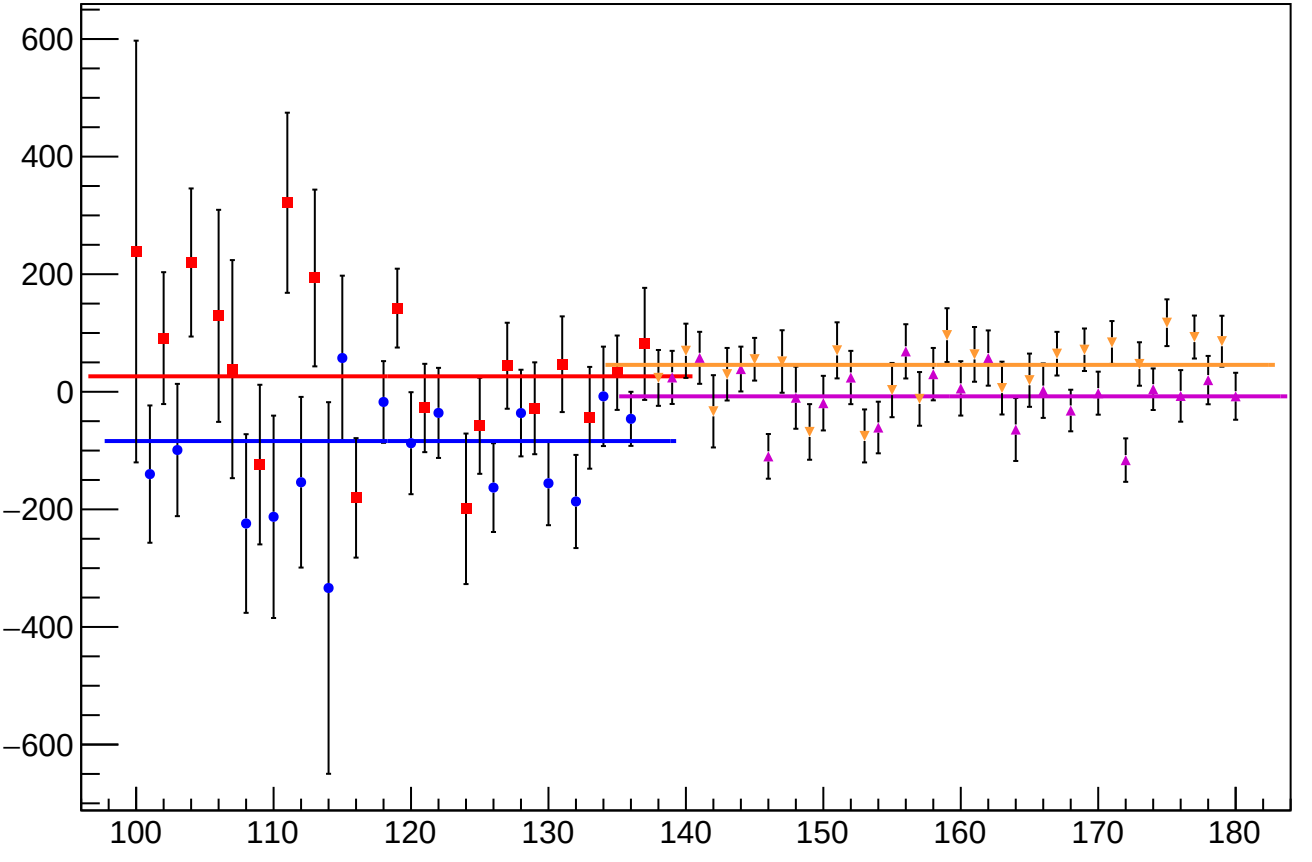
+ sign -0.000+/-0.000 χ^2/NDF: 43.9/37

All: 0.000+/-0.000 χ^2/NDF: 85.7/77

- 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:2289653.1/21
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: 7484935.2/37
All: 0.000+/-0.000 χ²/NDF: 15745288.8/77
- 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: 45.773+/-9.156 χ^2/NDF:28.2/21

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

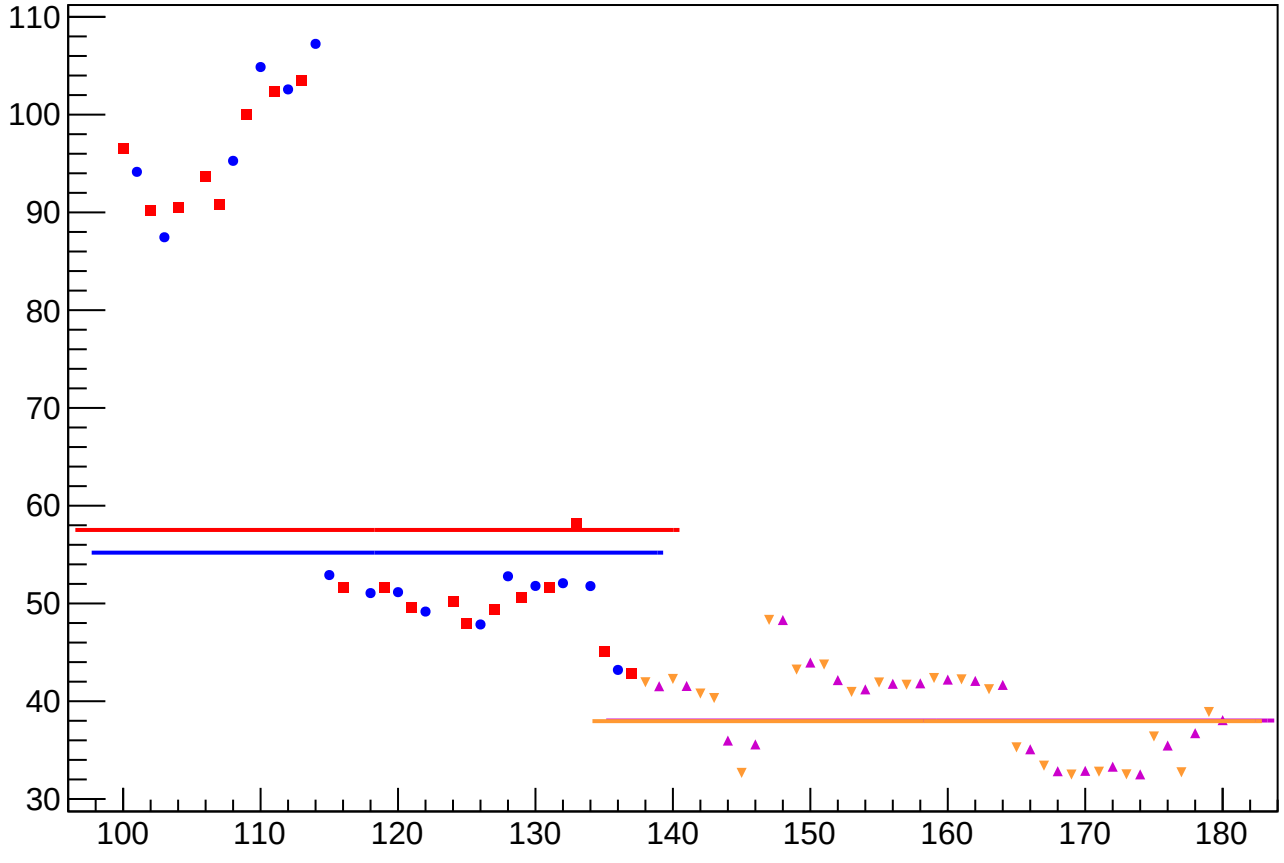
Left In: -7.755+/-9.231 χ^2/NDF:29.7/20

+ sign 25.778+/-8.420 χ^2/NDF: 69.7/37

All: 11.709+/-5.987 χ^2/NDF: 130.0/77

- 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: 37.963+/-0.006 χ^2/NDF:508150.5/21

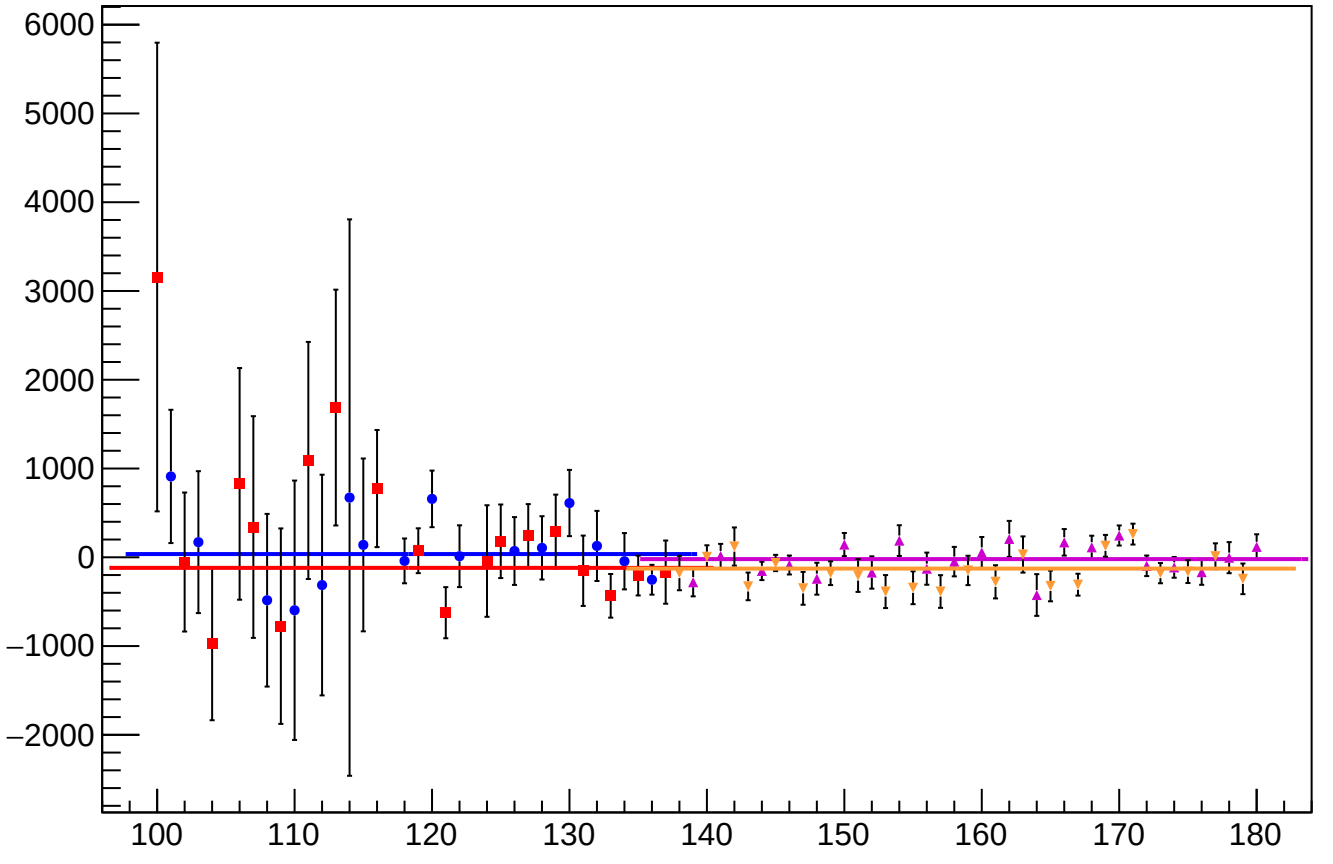
Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.026+/-0.007 χ^2/NDF:423395.6/20

+ sign 40.622+/-0.006 χ^2/NDF: 2754287.2/37

All: 40.774+/-0.004 χ^2/NDF: 5789065.7/77

- sign 40.929+/-0.006 χ^2/NDF: 3033466.8/39



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.188+/-31.397 χ^2/NDF:33.2/21

Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

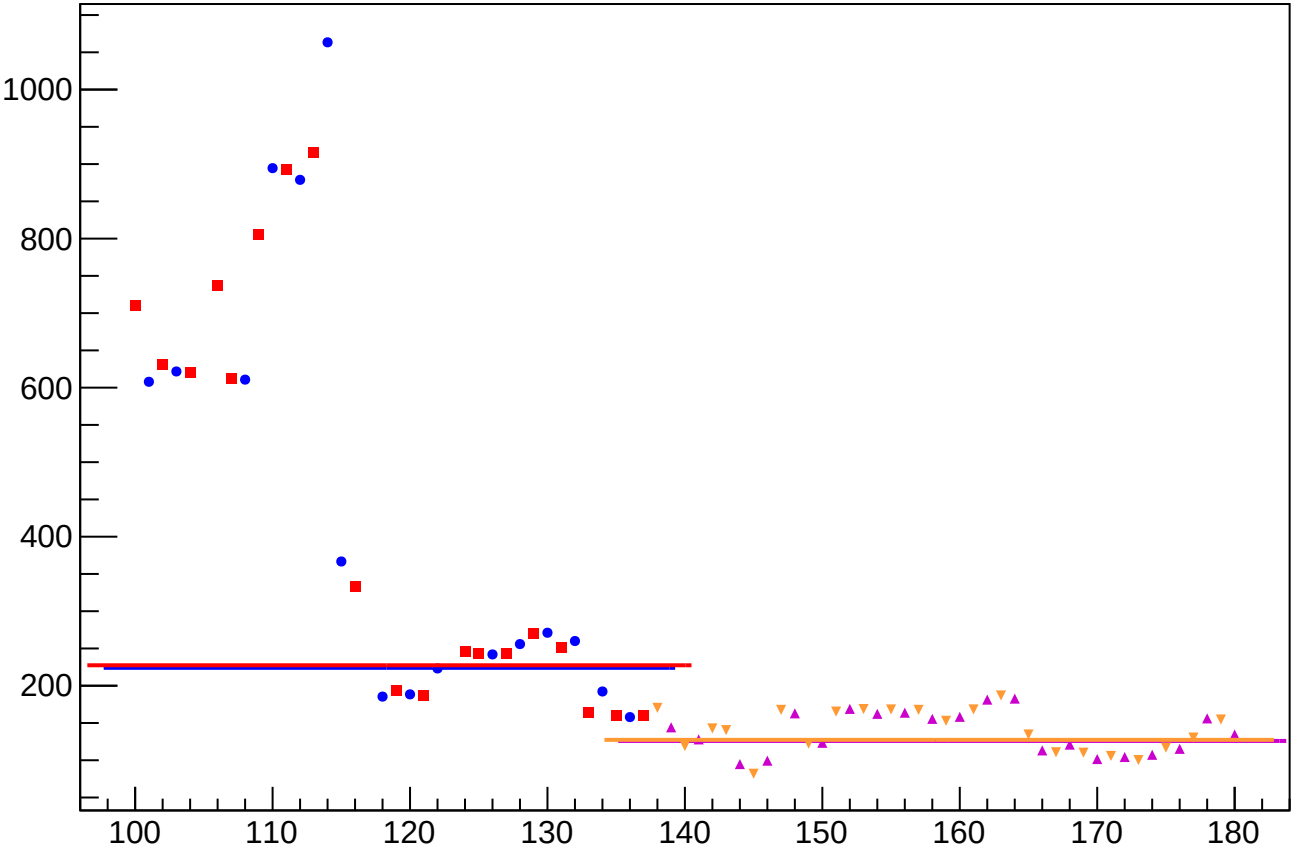
Left In: -20.541+/-31.145 χ^2/NDF:26.0/20

+ sign -110.639+/-29.766 χ^2/NDF: 47.3/37

All: -70.103+/-20.996 χ^2/NDF: 94.0/77

- sign -29.962+/-29.620 χ^2/NDF: 43.0/39

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734386.5/21

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

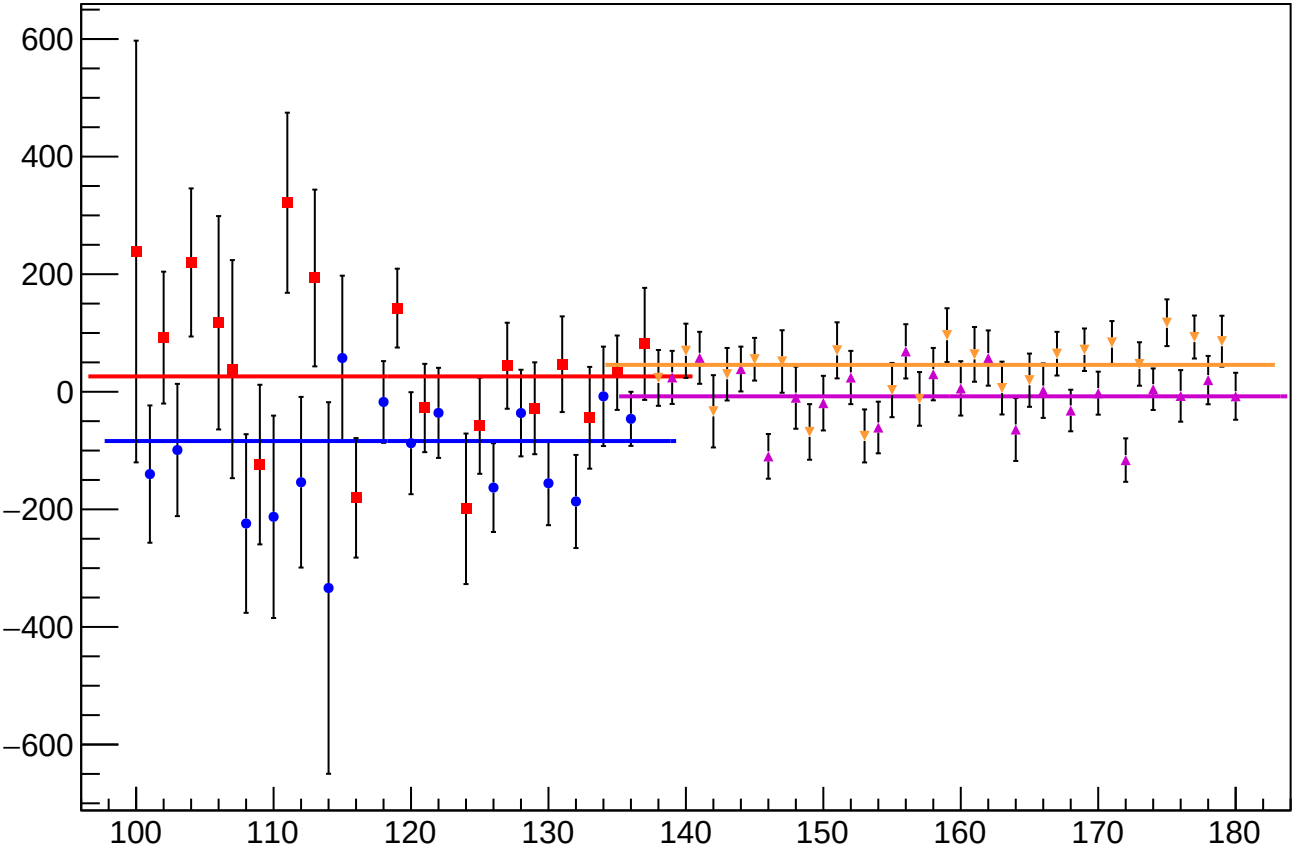
Left In: 125.908+/-0.022 χ^2/NDF:1410188.9/20

+ sign 137.149+/-0.021 χ^2/NDF: 6621667.6/37

All: 136.375+/-0.015 χ^2/NDF: 13706097.1/77

- 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: 45.774+/-9.156 χ^2/NDF:28.2/21

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

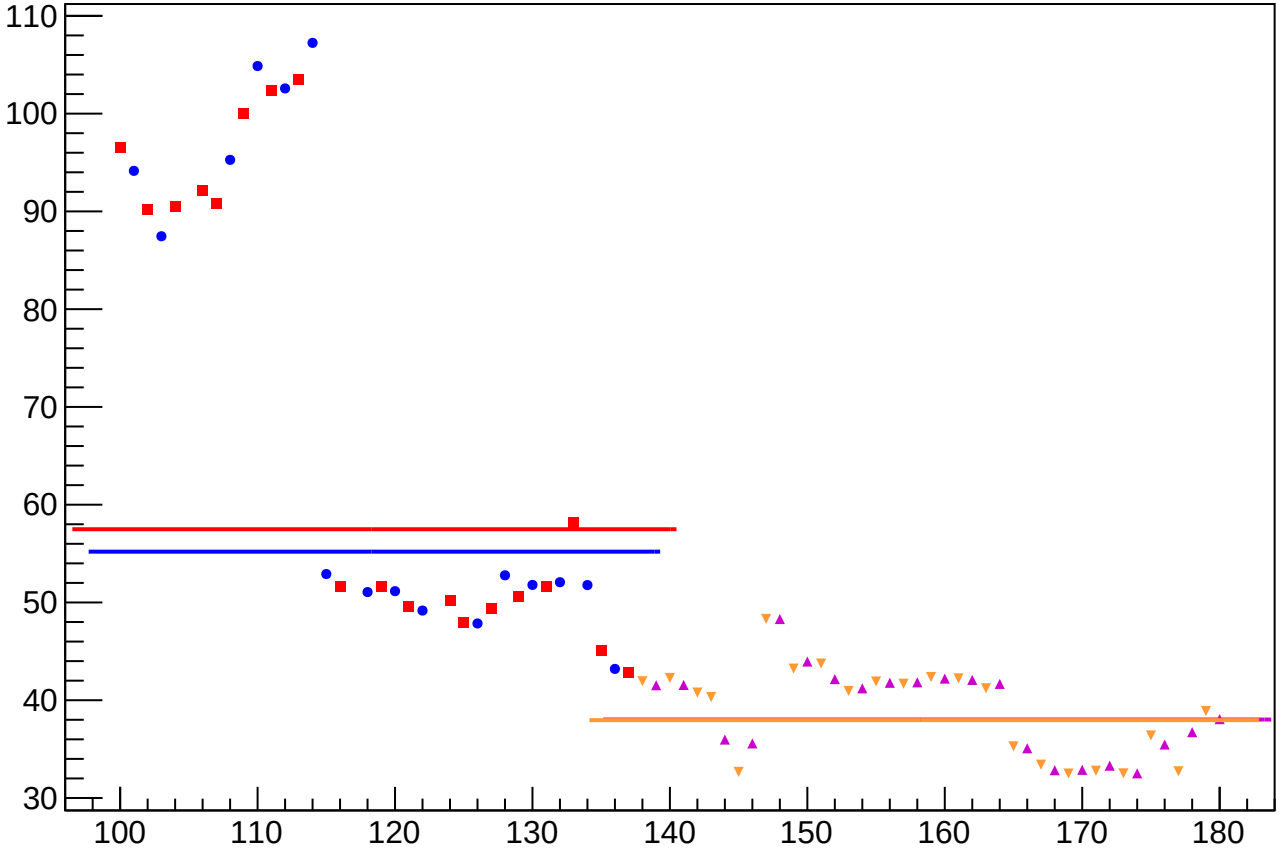
Left In: -7.756+/-9.231 χ^2/NDF:29.7/20

+ sign 25.780+/-8.420 χ^2/NDF: 69.7/37

All: 11.697+/-5.987 χ^2/NDF: 130.0/77

- 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: 37.963+/-0.006 χ^2/NDF:508150.5/21

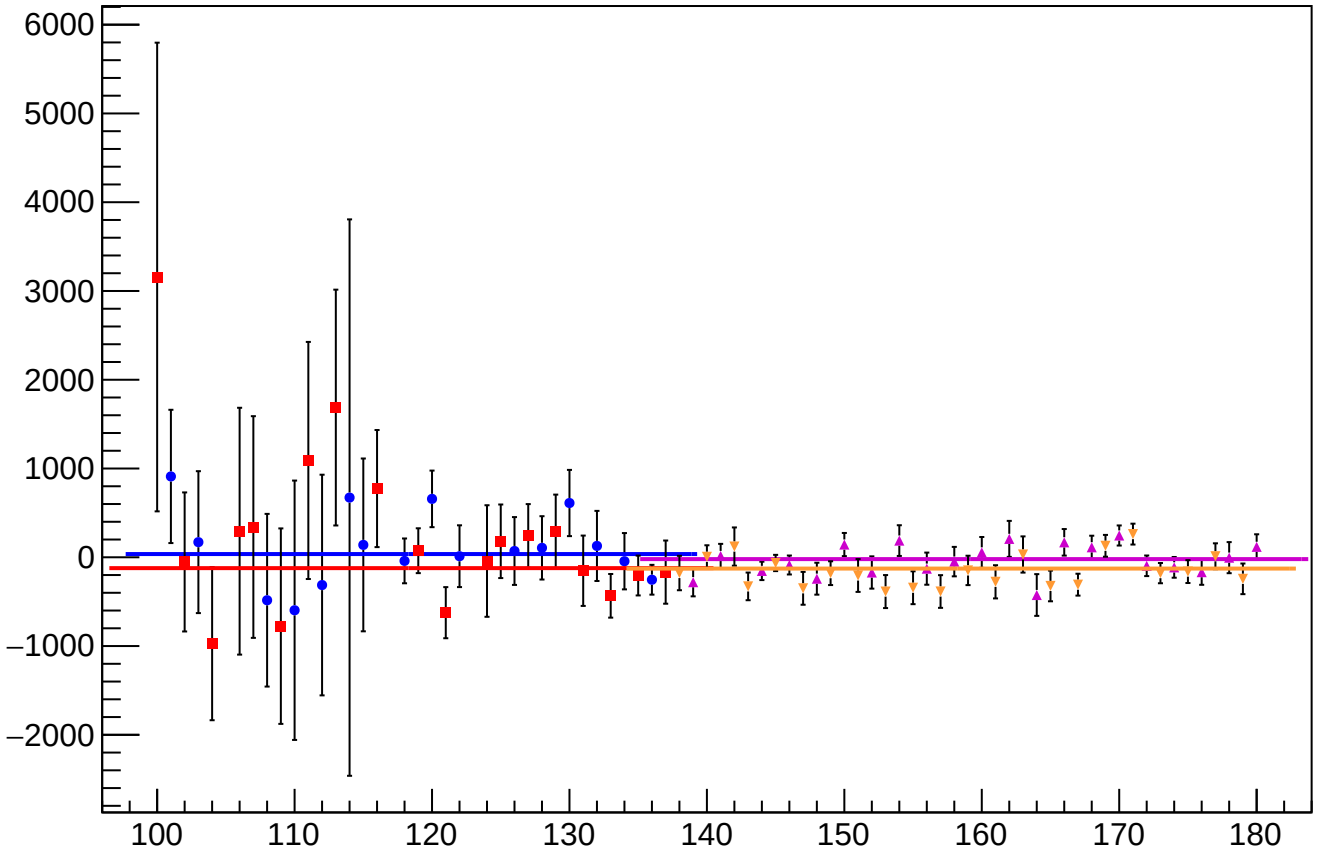
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.026+/-0.007 χ^2/NDF:423395.5/20

+ sign 40.622+/-0.006 χ^2/NDF: 2754287.4/37

All: 40.771+/-0.004 χ^2/NDF: 5777470.9/77

- 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: -127.188+/-31.397 χ^2/NDF:33.2/21

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

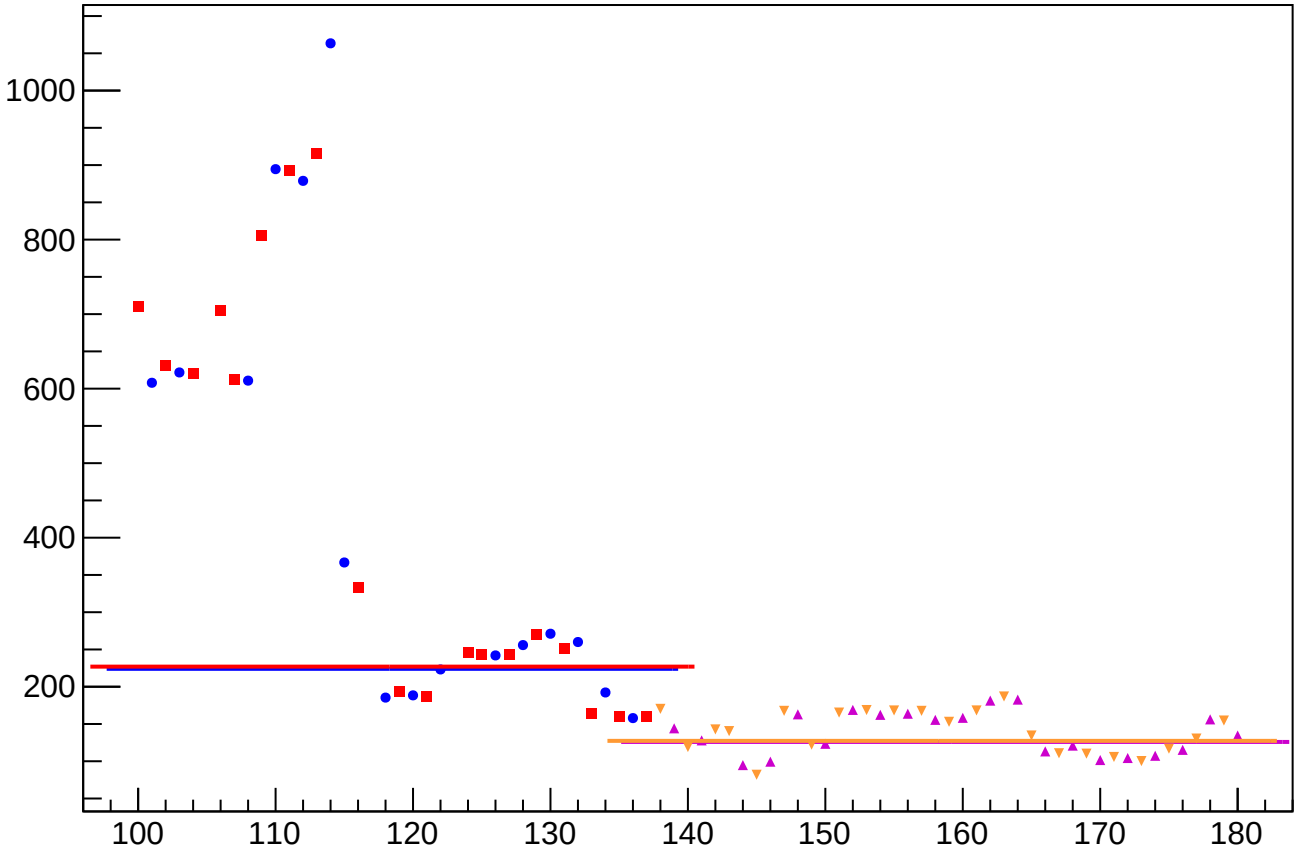
Left In: -20.541+/-31.145 χ^2/NDF:26.0/20

+ sign -110.639+/-29.766 χ^2/NDF: 47.3/37

All: -70.251+/-20.996 χ^2/NDF: 93.6/77

- sign -30.255+/-29.621 χ^2/NDF: 42.6/39

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734382.3/21

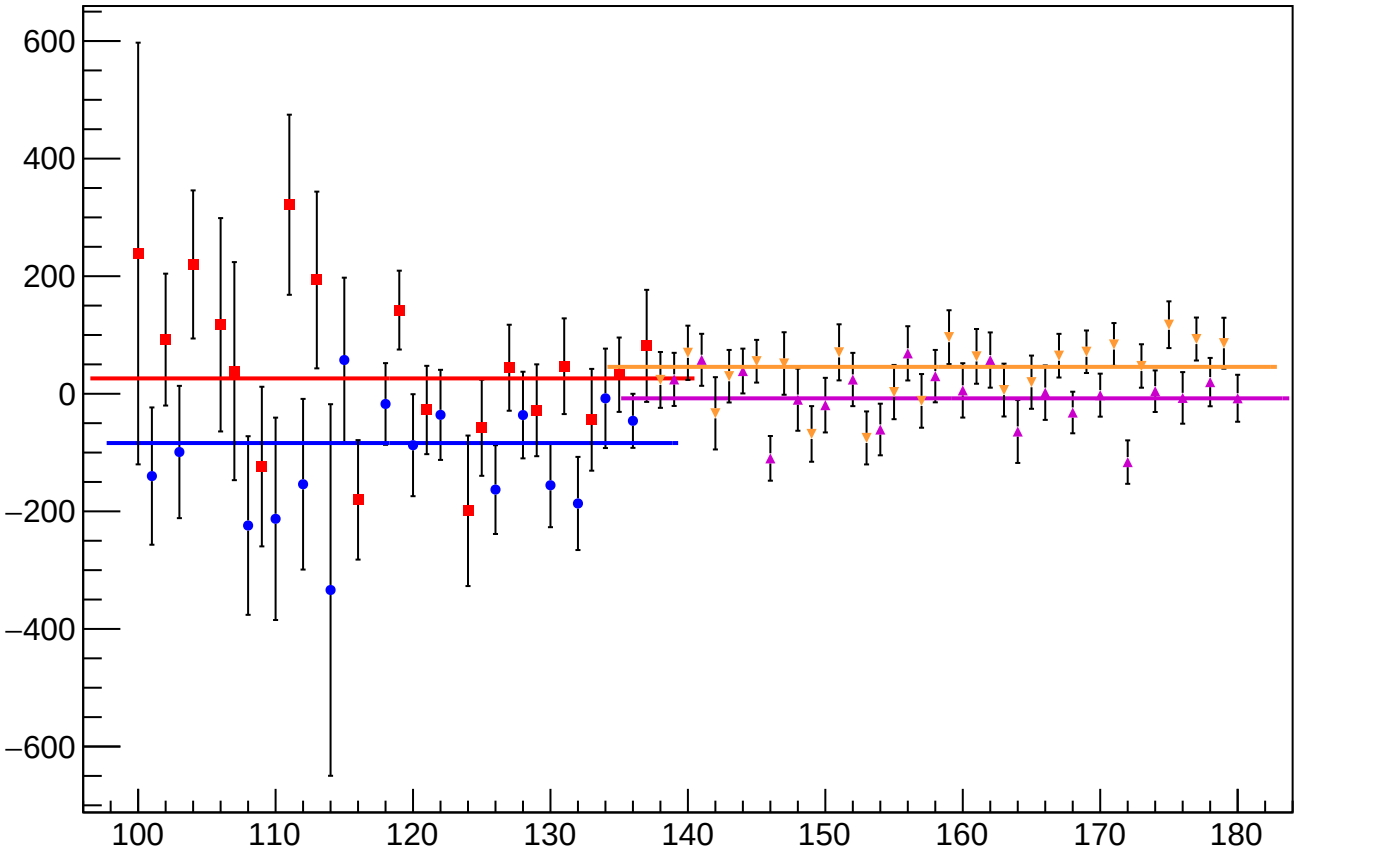
Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 125.908+/-0.022 χ^2/NDF:1410197.3/20

+ sign 137.149+/-0.021 χ^2/NDF: 6621670.2/37

All: 136.349+/-0.015 χ^2/NDF: 13617269.8/77

- 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: 45.774+/-9.156 χ^2/NDF:28.2/21

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

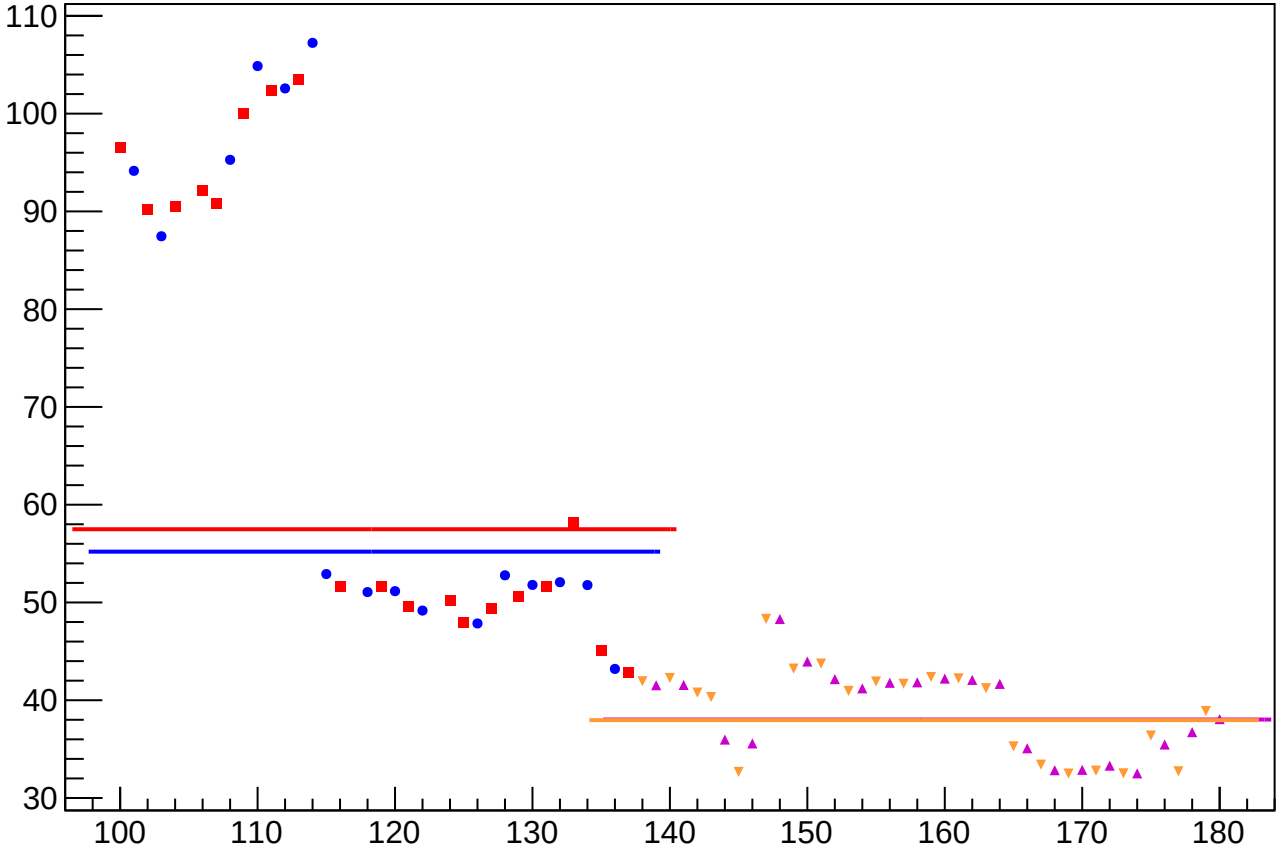
Left In: -7.756+/-9.231 χ^2/NDF:29.7/20

+ sign 25.780+/-8.420 χ^2/NDF: 69.7/37

All: 11.697+/-5.987 χ^2/NDF: 130.0/77

- 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: 37.963+/-0.006 χ^2/NDF:508150.5/21

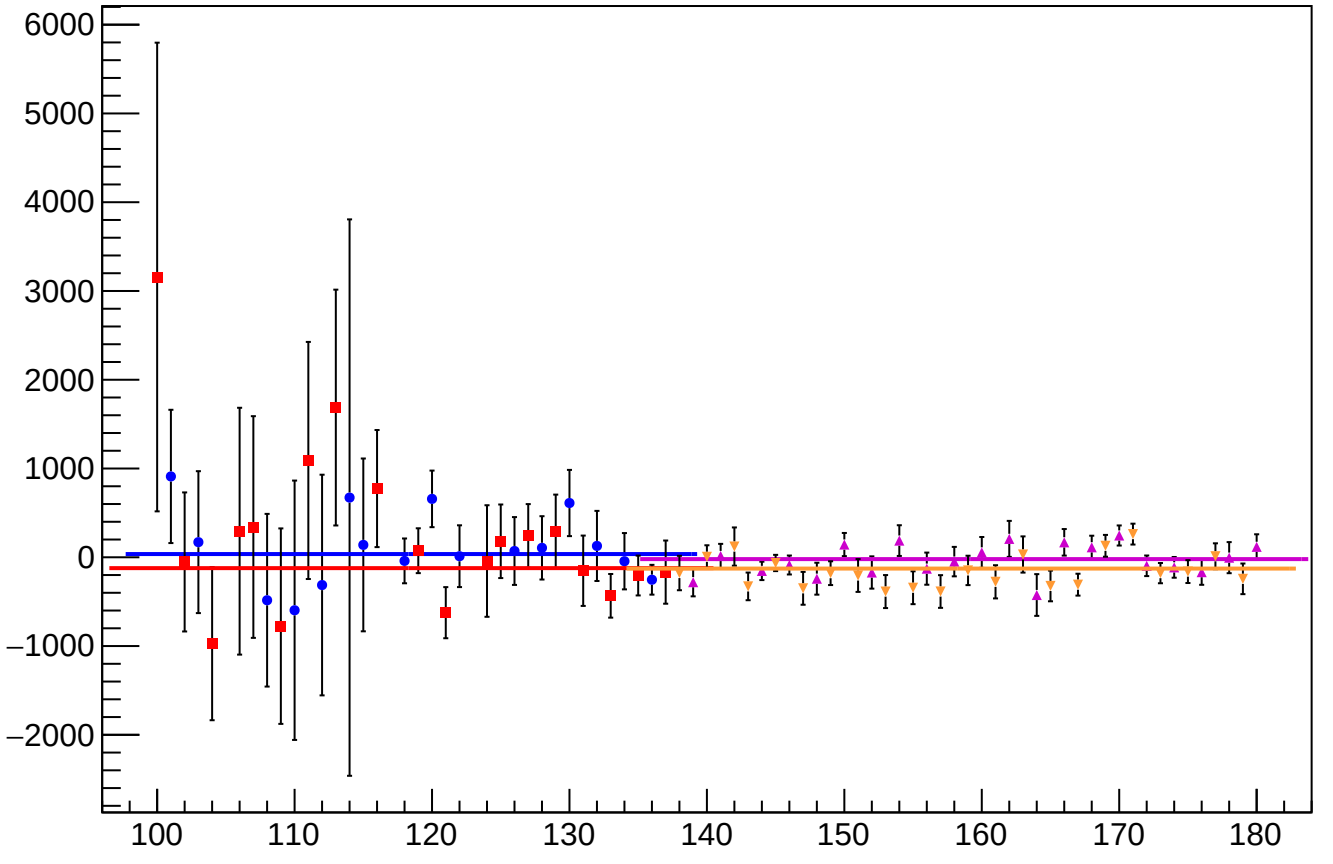
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.026+/-0.007 χ^2/NDF:423395.5/20

+ sign 40.622+/-0.006 χ^2/NDF: 2754287.4/37

All: 40.771+/-0.004 χ^2/NDF: 5777470.9/77

- 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: -127.188+/-31.397 χ^2/NDF:33.2/21

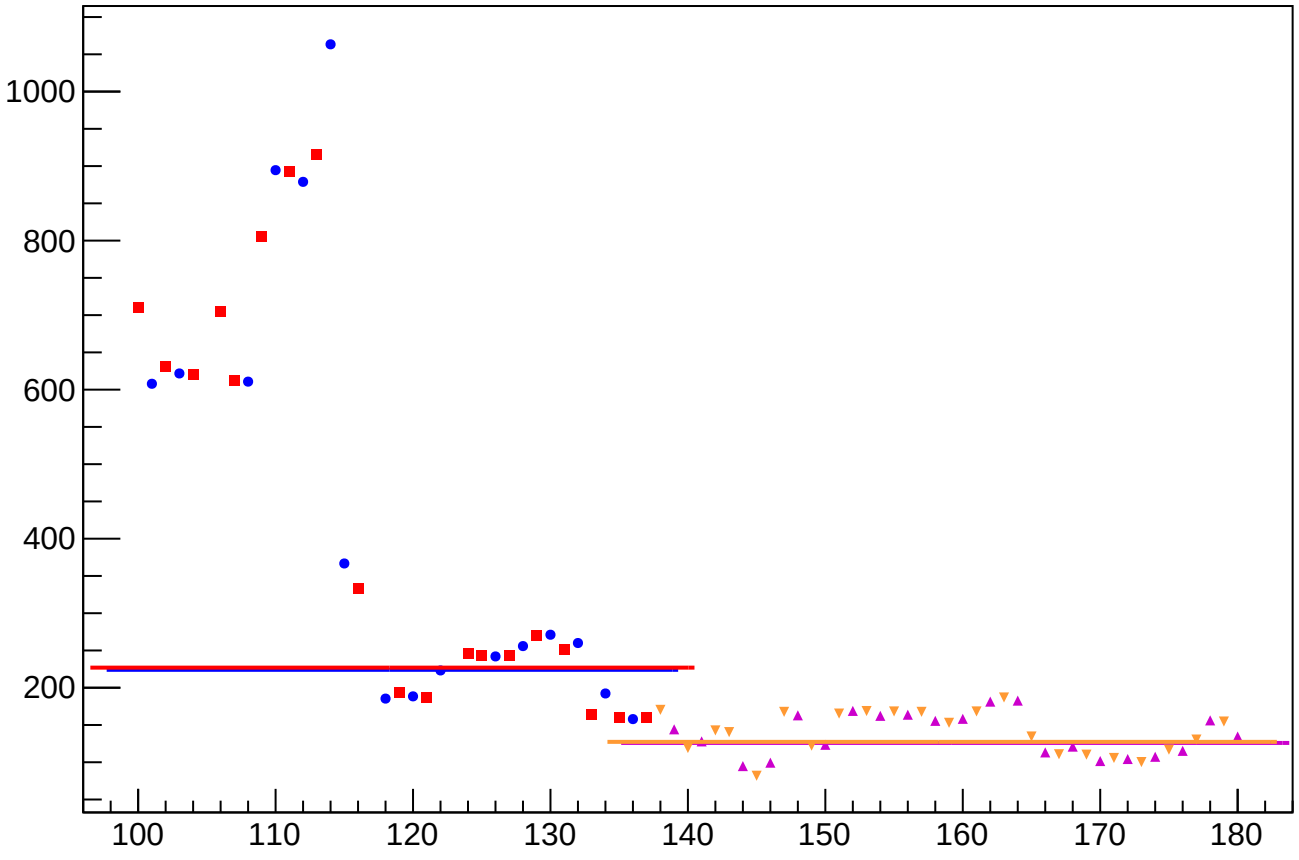
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -20.541+/-31.145 χ^2/NDF:26.0/20

+ sign -110.639+/-29.766 χ^2/NDF: 47.3/37

All: -70.251+/-20.996 χ^2/NDF: 93.6/77

- 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: 127.365+/-0.022 χ^2/NDF:1734382.3/21

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

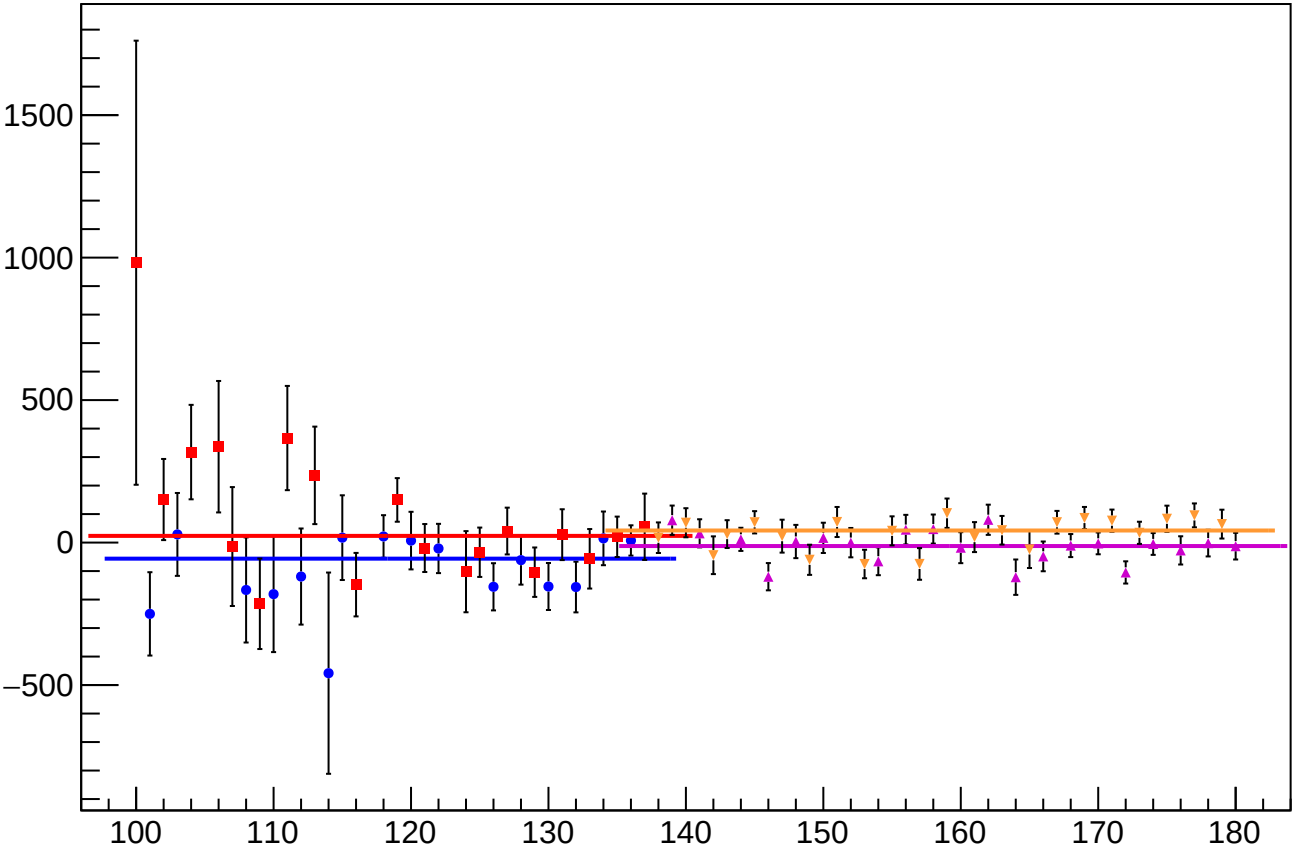
Left In: 125.908+/-0.022 χ^2/NDF:1410197.3/20

+ sign 137.149+/-0.021 χ^2/NDF: 6621670.2/37

All: 136.349+/-0.015 χ^2/NDF: 13617269.8/77

- 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: 42.385+/-10.221 χ^2/NDF:24.9/21

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

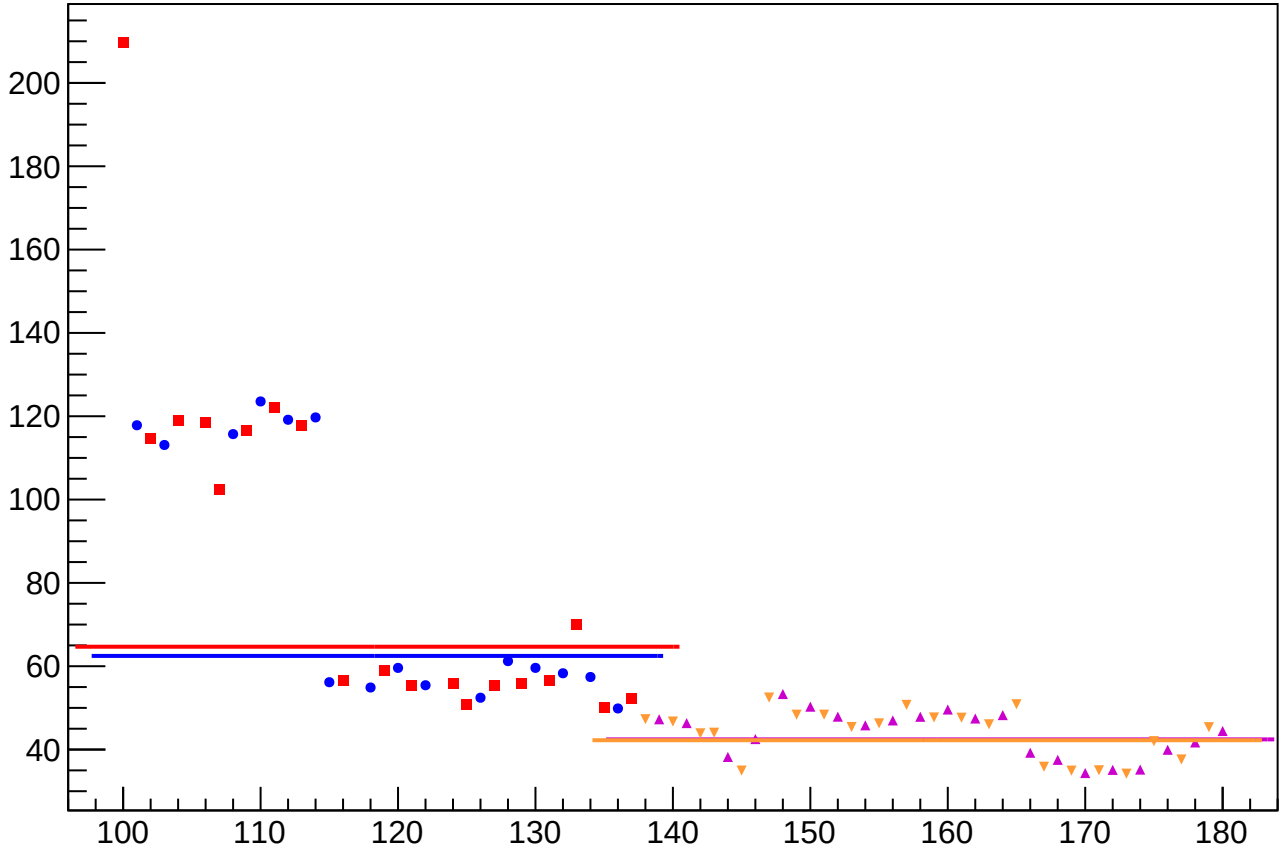
Left In: -12.150+/-10.363 χ^2/NDF:26.0/20

+ sign 27.726+/-9.433 χ^2/NDF: 51.0/37

All: 10.646+/-6.722 χ^2/NDF: 109.5/77

- 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: 42.240+/-0.007 χ^2/NDF:688374.2/21

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

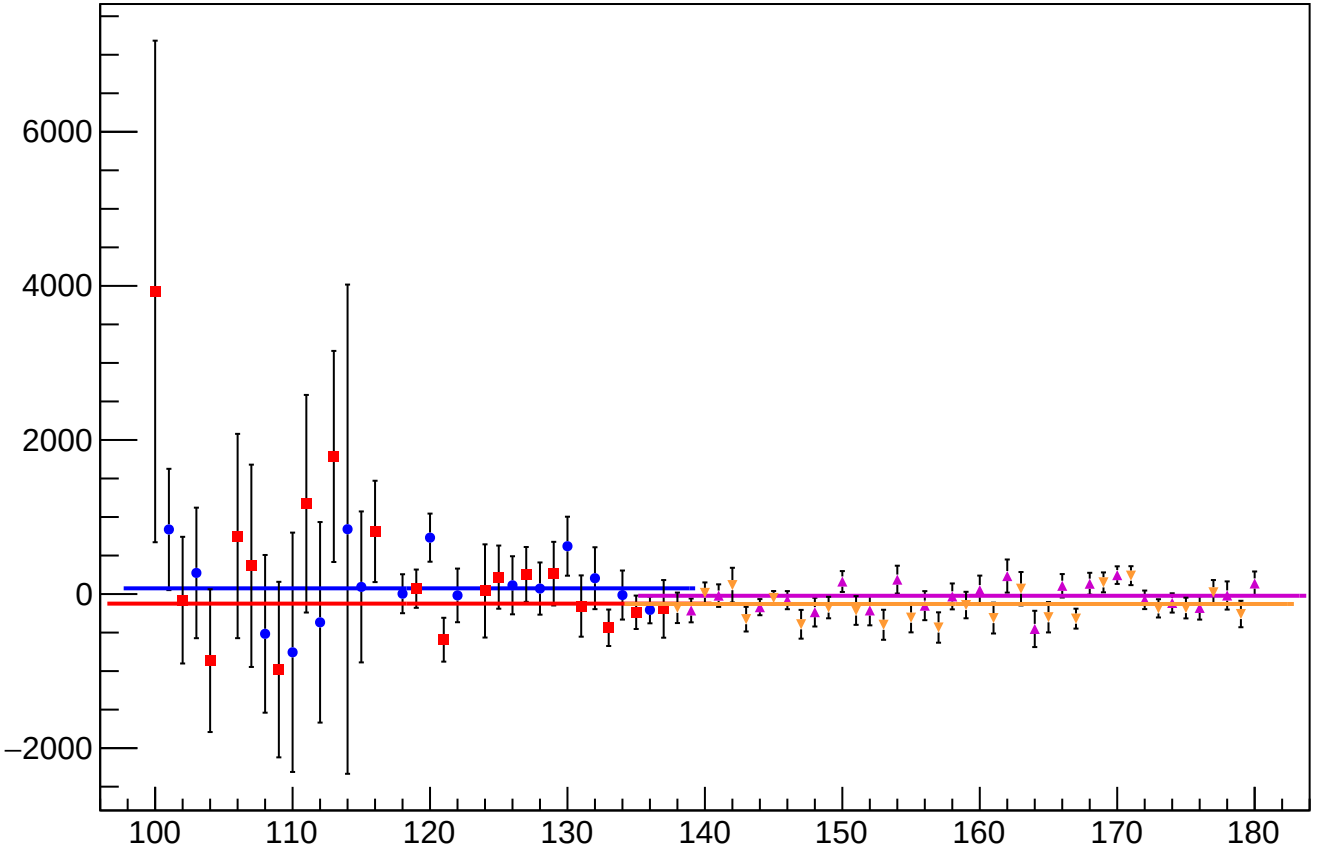
Left In: 42.439+/-0.007 χ^2/NDF:583212.4/20

+ sign 45.242+/-0.007 χ^2/NDF: 3199394.1/37

All: 45.450+/-0.005 χ^2/NDF: 6711164.8/77

- 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: -128.807+/-32.593 χ^2/NDF:32.2/21

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

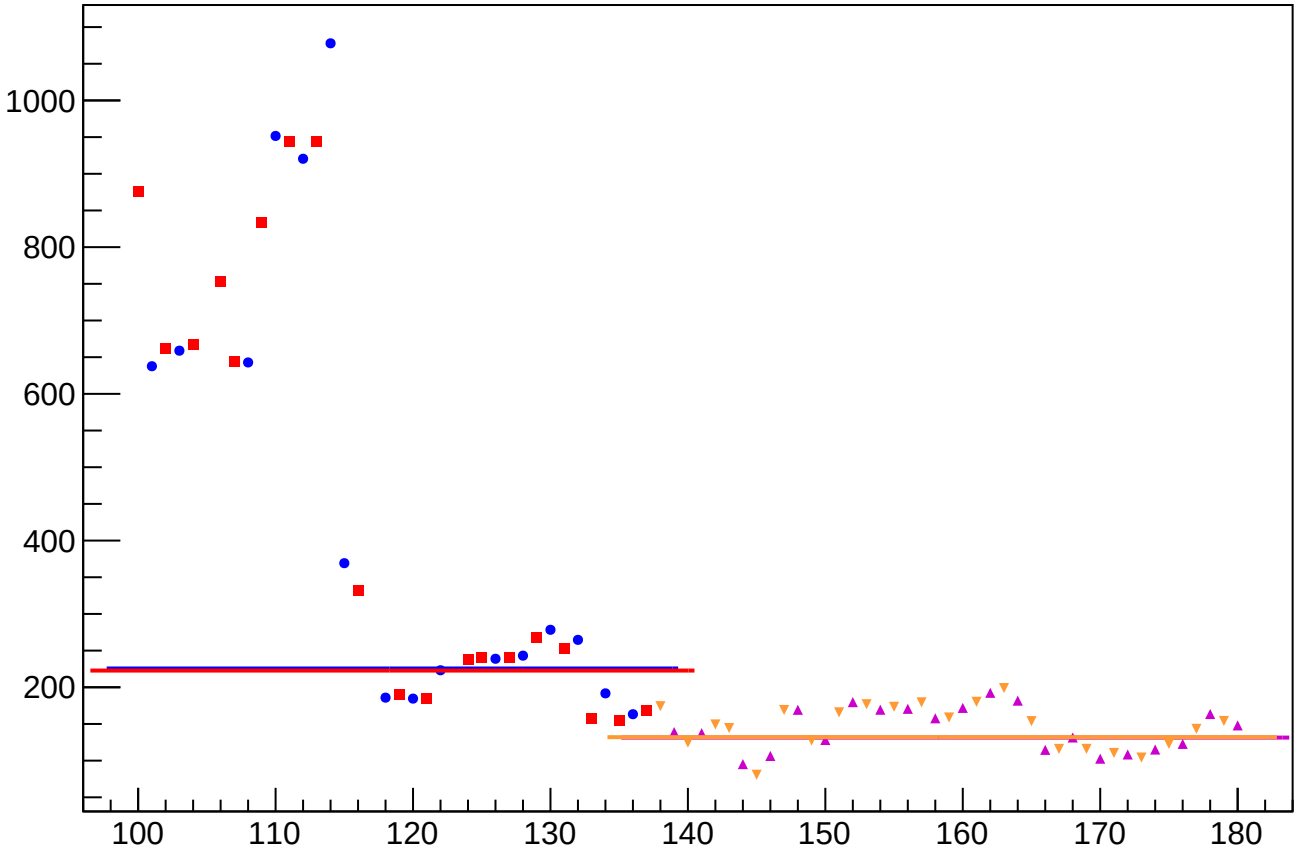
Left In: -22.224+/-32.594 χ^2/NDF:24.9/20

+ sign -107.211+/-30.812 χ^2/NDF: 47.6/37

All: -70.130+/-21.790 χ^2/NDF: 92.7/77

- 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: 131.985+/-0.023 χ^2/NDF:1896155.0/21

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

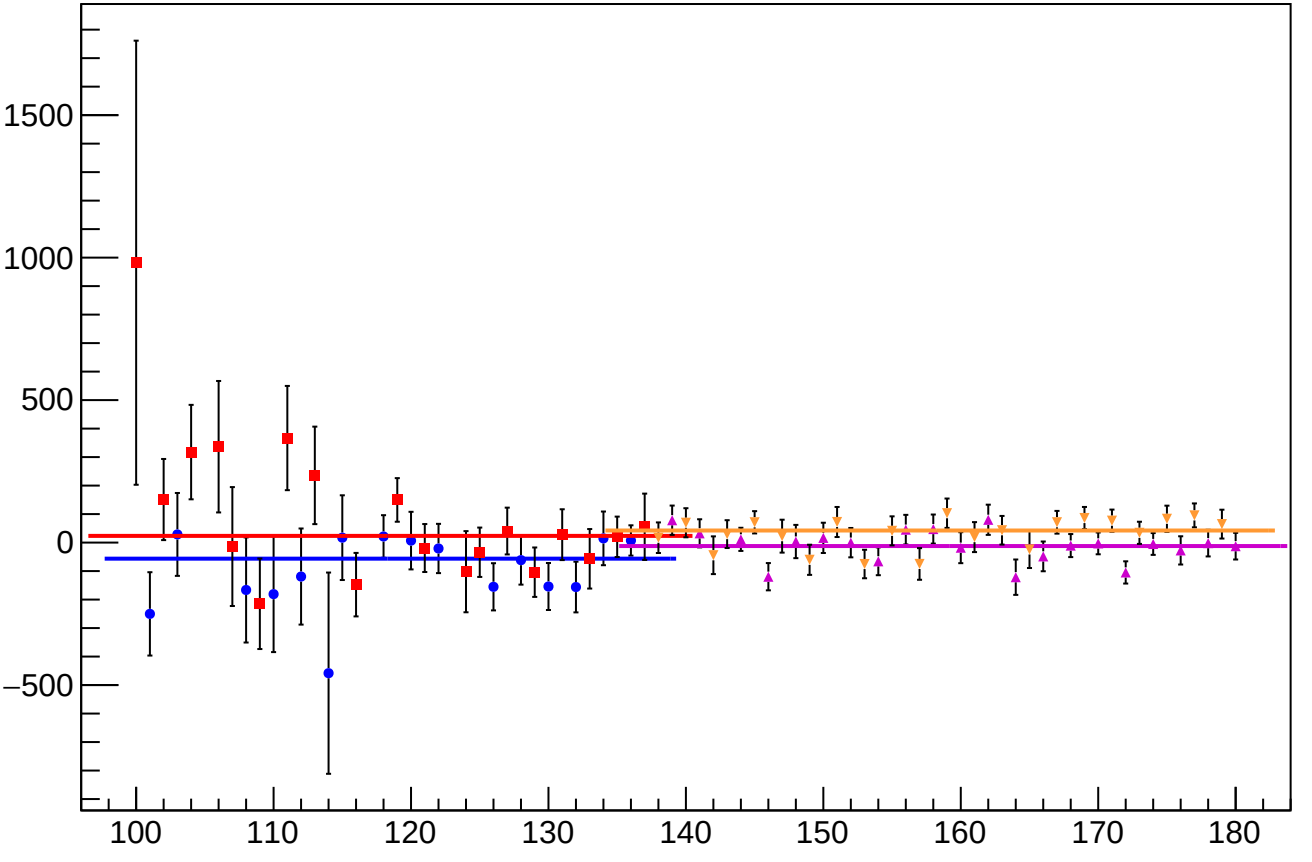
Left In: 131.412+/-0.023 χ^2/NDF:1463419.2/20

+ sign 141.941+/-0.022 χ^2/NDF: 6677000.7/37

All: 141.518+/-0.015 χ^2/NDF: 13655193.0/77

- 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: 42.386+/-10.221 χ^2/NDF:24.9/21

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

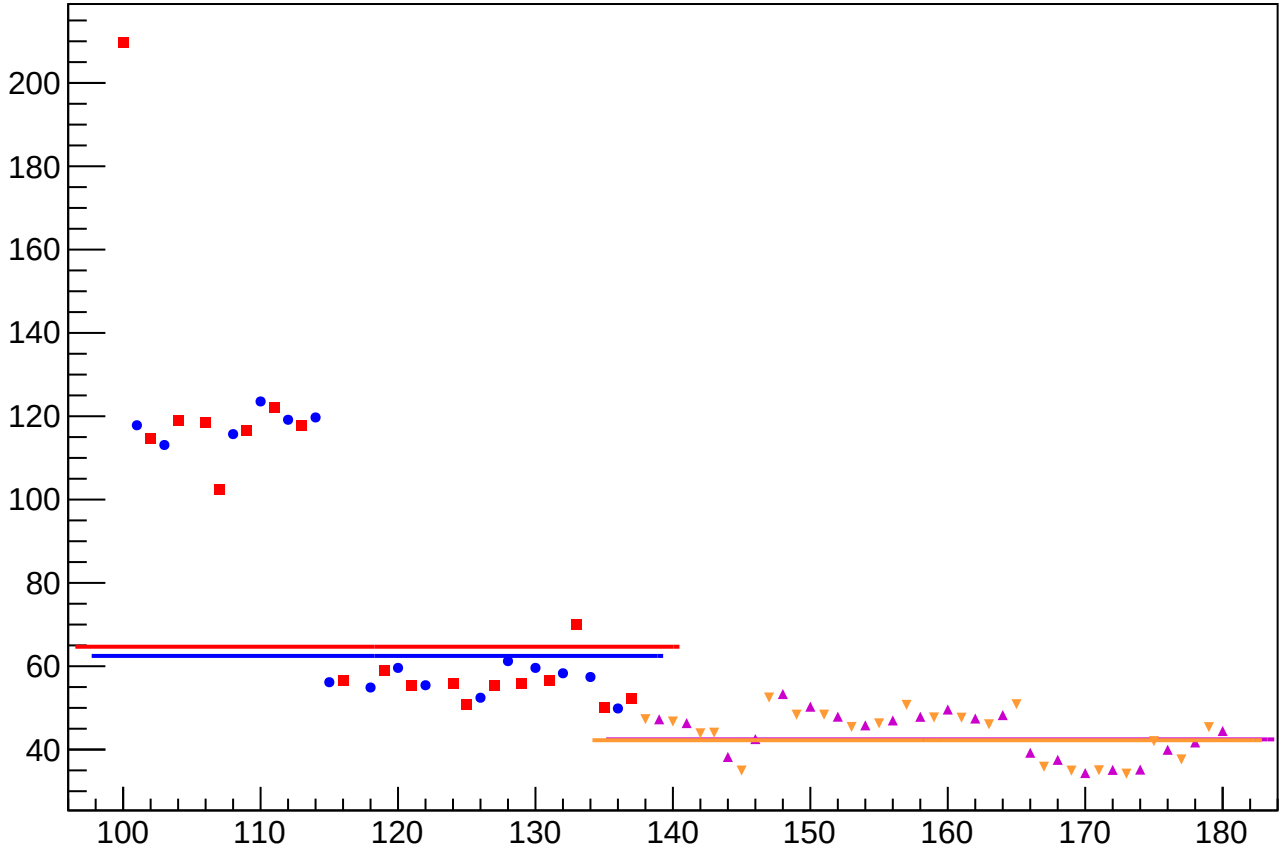
Left In: -12.150+/-10.363 χ^2/NDF:26.0/20

+ sign 27.727+/-9.433 χ^2/NDF: 51.0/37

All: 10.646+/-6.722 χ^2/NDF: 109.5/77

- 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: 42.240+/-0.007 χ^2/NDF:688392.4/21

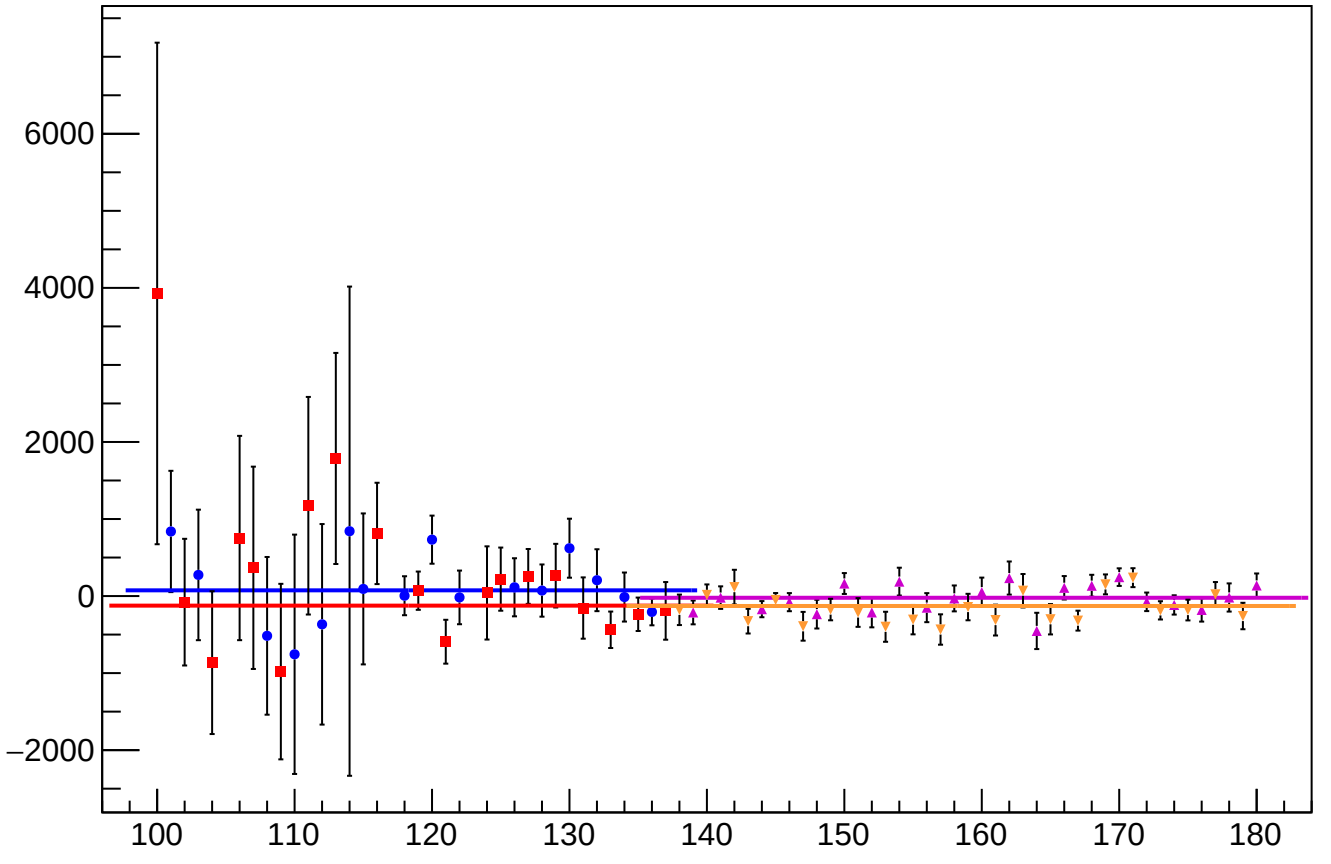
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.439+/-0.007 χ^2/NDF:583218.1/20

+ sign 45.242+/-0.007 χ^2/NDF: 3199350.2/37

All: 45.450+/-0.005 χ^2/NDF: 6711073.7/77

- 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: -128.806+/-32.593 χ^2/NDF:32.2/21

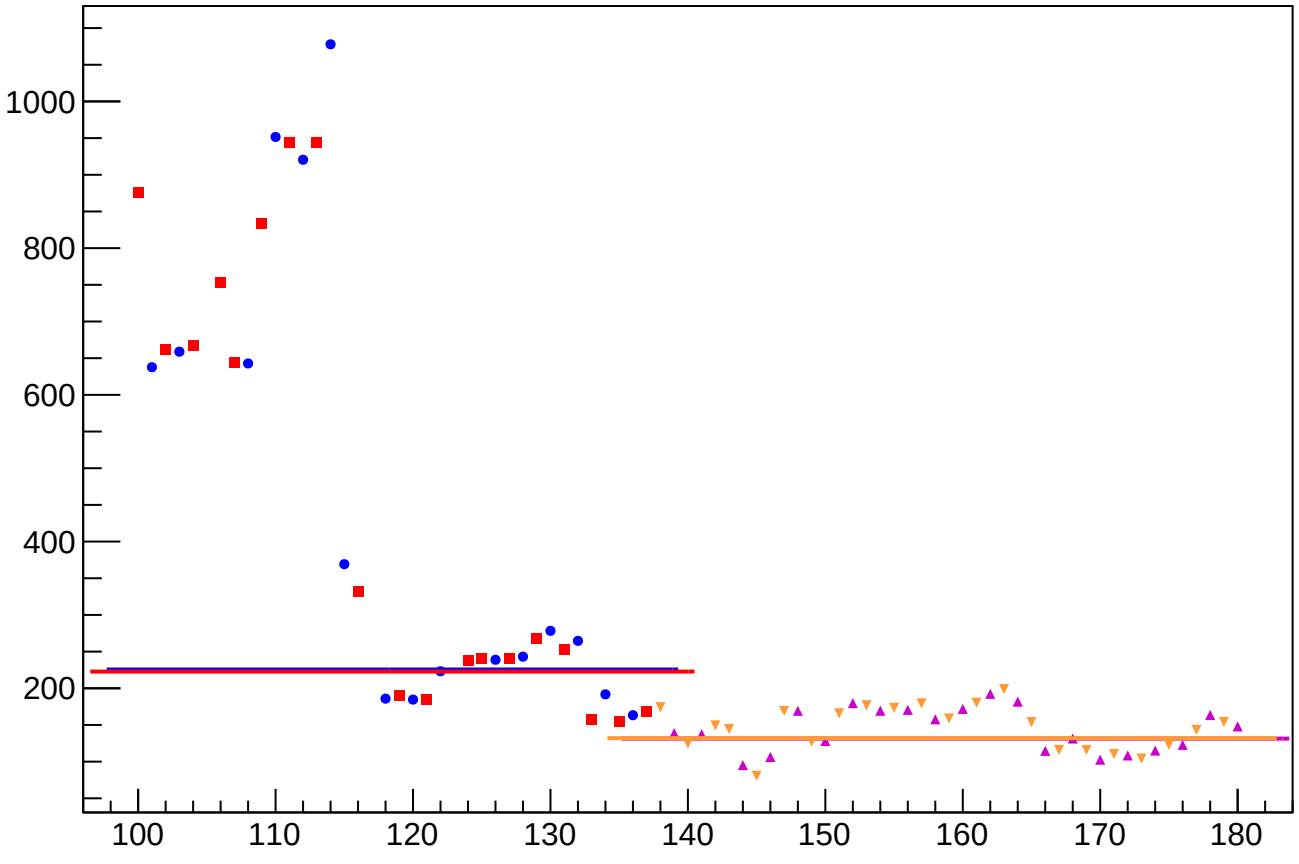
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -22.224+/-32.595 χ^2/NDF:24.9/20

+ sign -107.211+/-30.812 χ^2/NDF: 47.6/37

All: -70.130+/-21.790 χ^2/NDF: 92.7/77

- 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: 131.985+/-0.023 χ^2/NDF:1896147.7/21

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

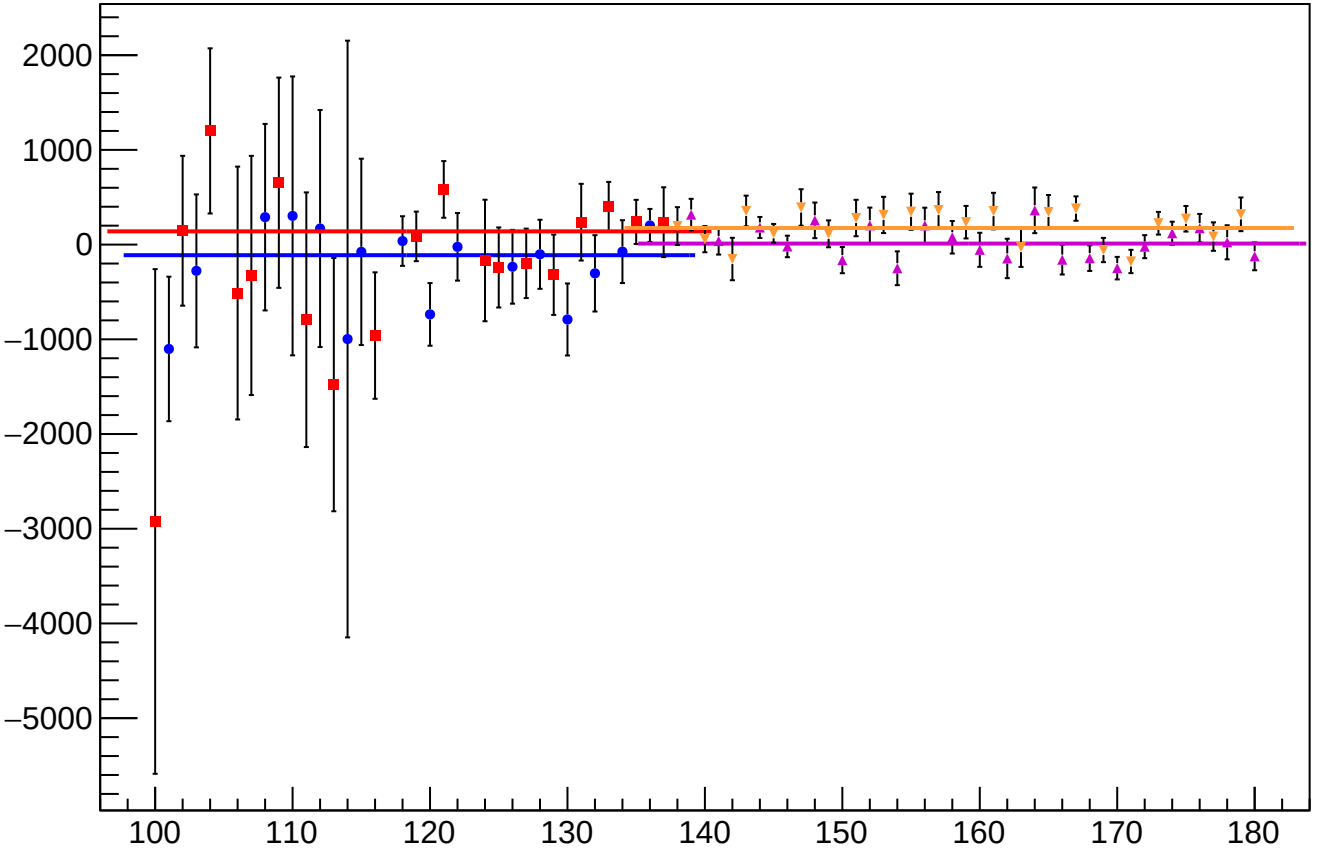
Left In: 131.412+/-0.023 χ^2/NDF:1463421.9/20

+ sign 141.941+/-0.022 χ^2/NDF: 6676971.2/37

All: 141.519+/-0.015 χ^2/NDF: 13655150.9/77

- 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: 175.391+/-32.861 χ^2/NDF:27.1/21

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

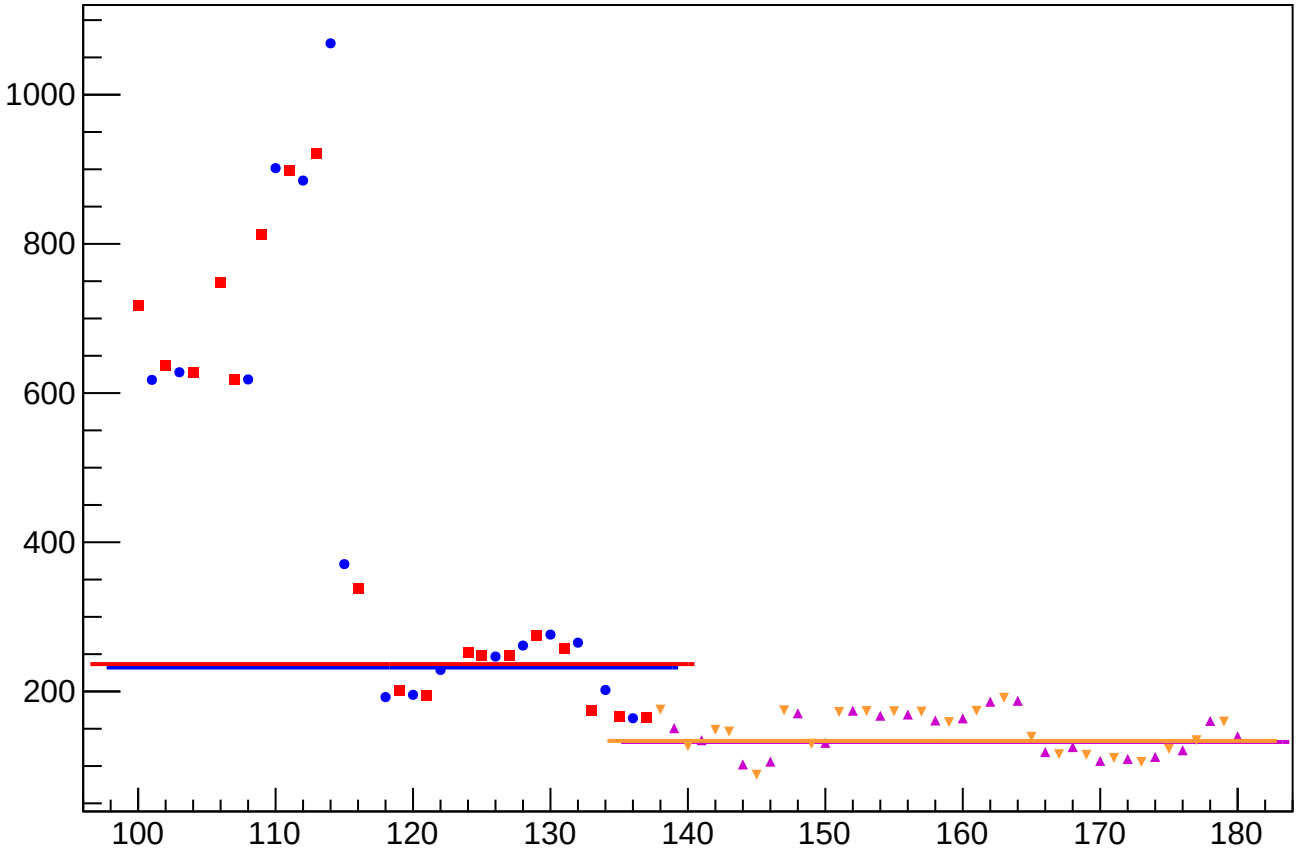
Left In: 10.783+/-32.625 χ^2/NDF:26.4/20

+ sign 145.565+/-31.109 χ^2/NDF: 47.9/37

All: 84.250+/-21.955 χ^2/NDF: 98.2/77

- 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: 133.717+/-0.023 χ^2/NDF:1569274.6/21

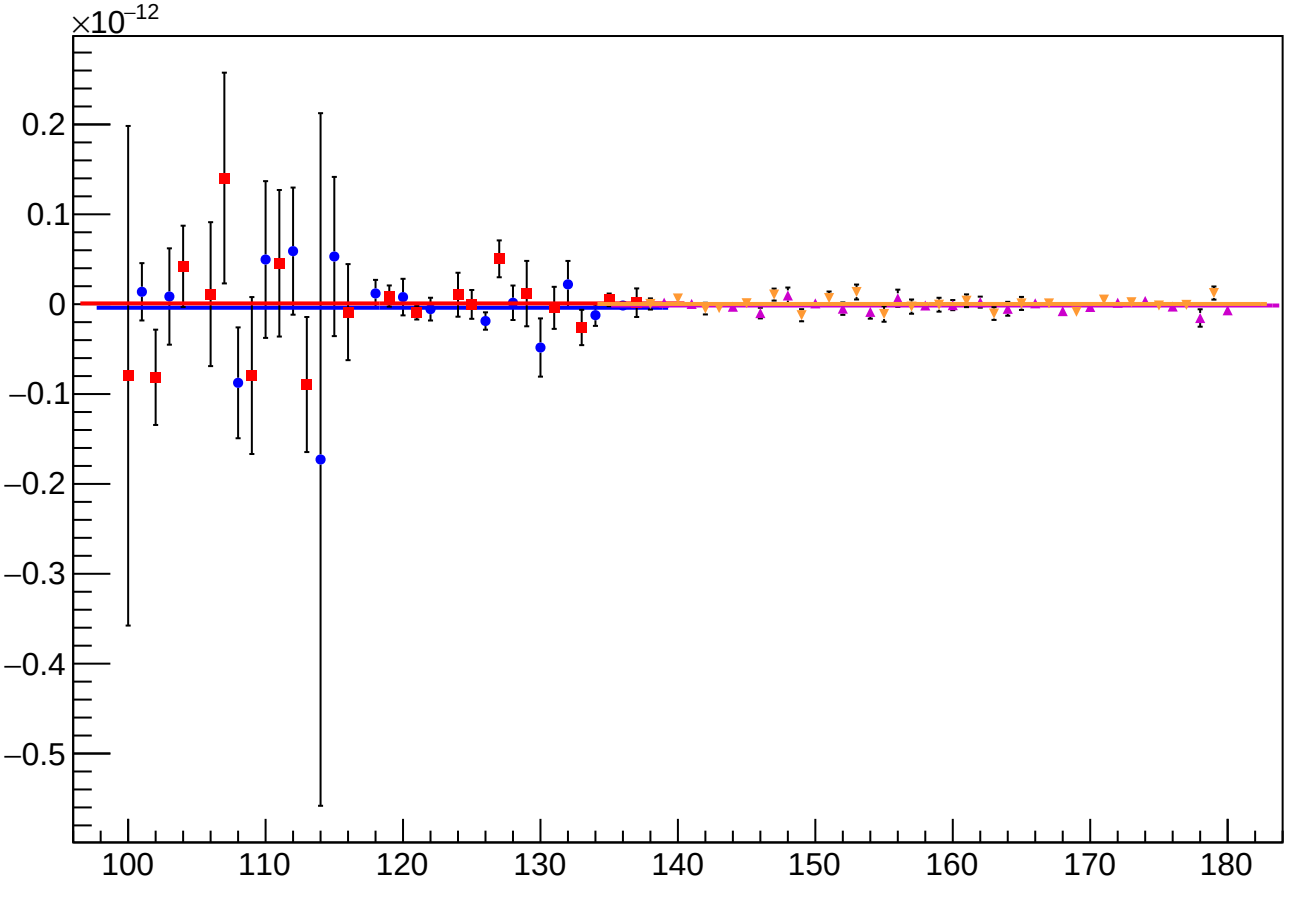
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 132.244+/-0.023 χ^2/NDF:1277388.1/20

+ sign 143.931+/-0.022 χ^2/NDF: 6316096.1/37

All: 143.182+/-0.016 χ^2/NDF: 13116845.3/77

- 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:25.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

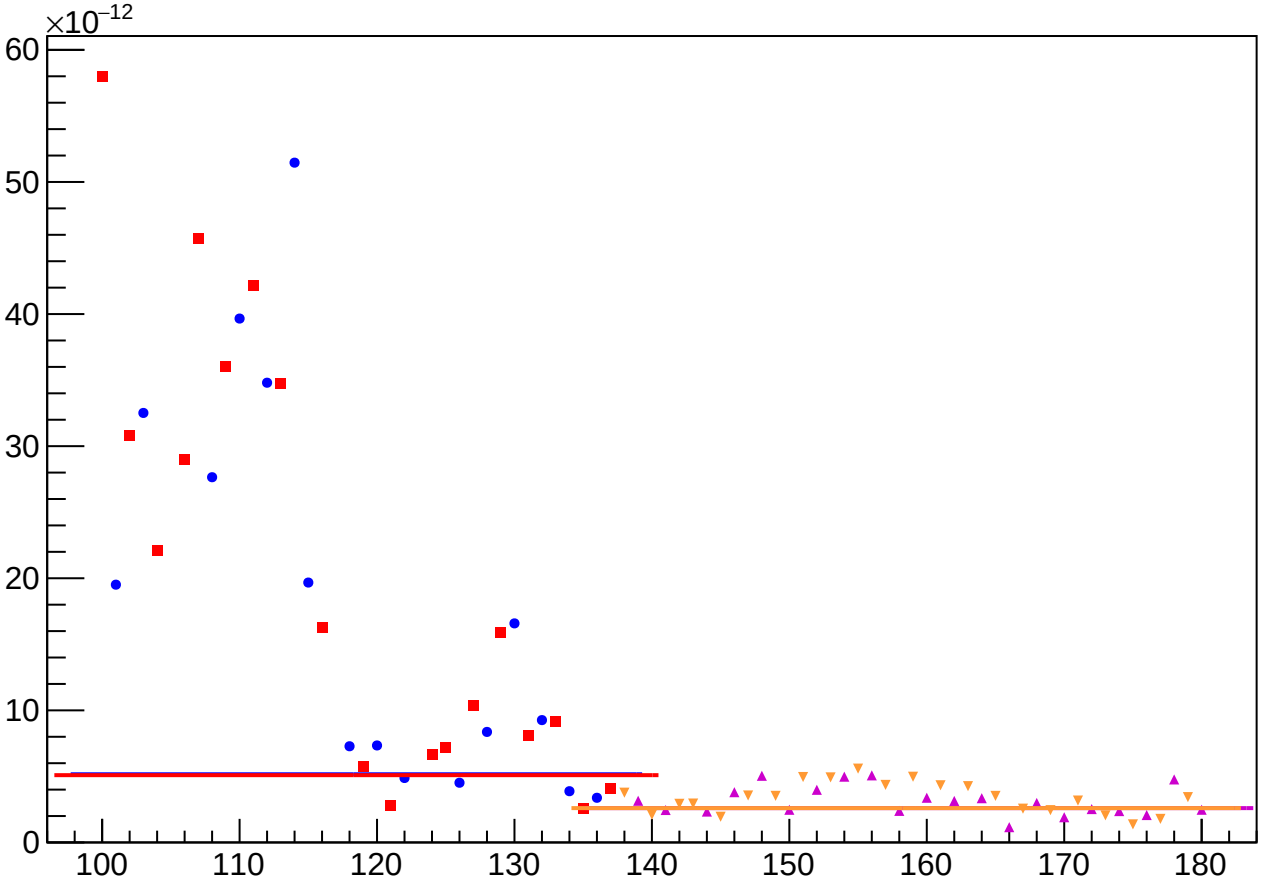
Left In: -0.000+/-0.000 χ^2/NDF:14.5/20

+ sign -0.000+/-0.000 χ^2/NDF: 38.5/37

All: -0.000+/-0.000 χ^2/NDF: 72.1/77

- sign -0.000+/-0.000 χ^2/NDF: 32.9/39

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2107435.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

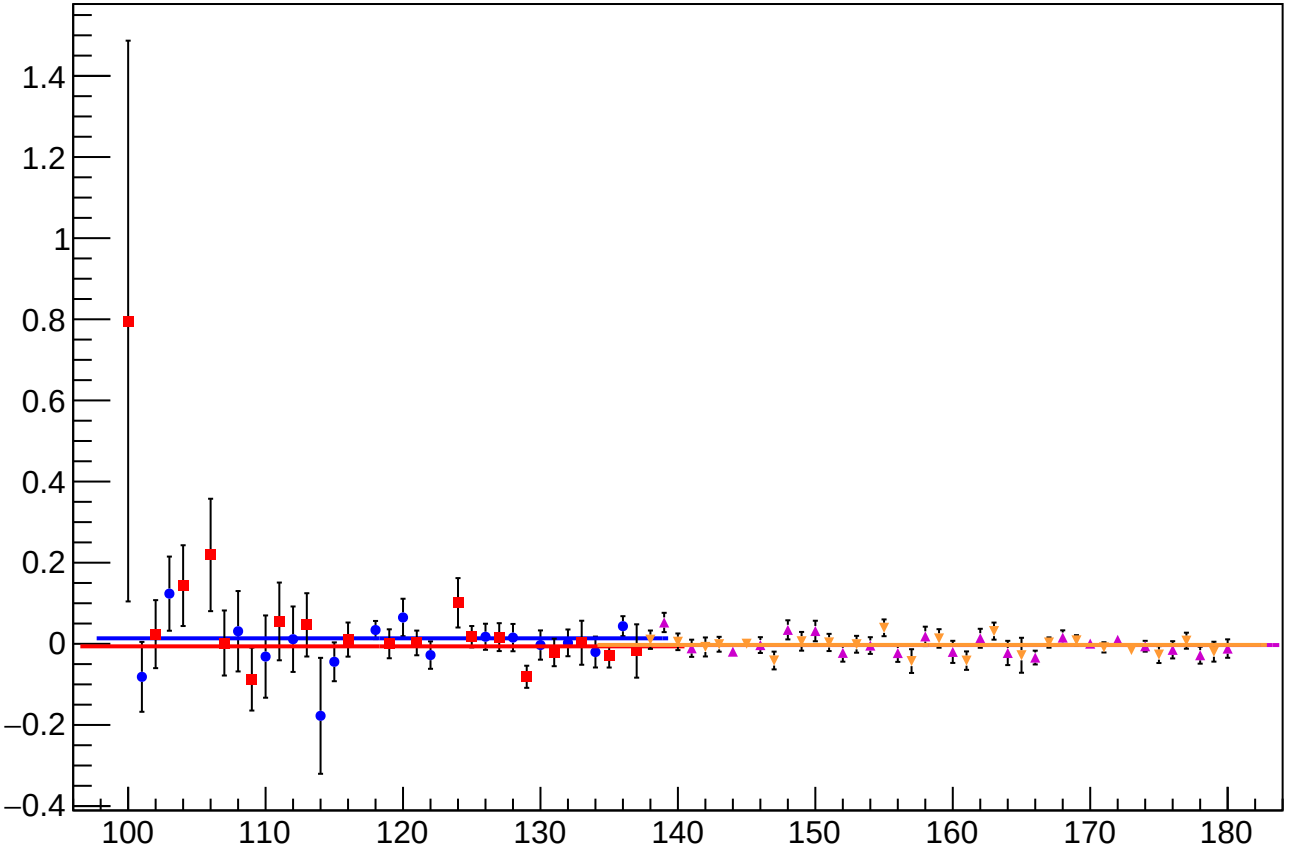
Left In: 0.000+/-0.000 χ^2/NDF:1375900.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 5626536.5/37

All: 0.000+/-0.000 χ^2/NDF: 10979309.1/77

- 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:20.8/21

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

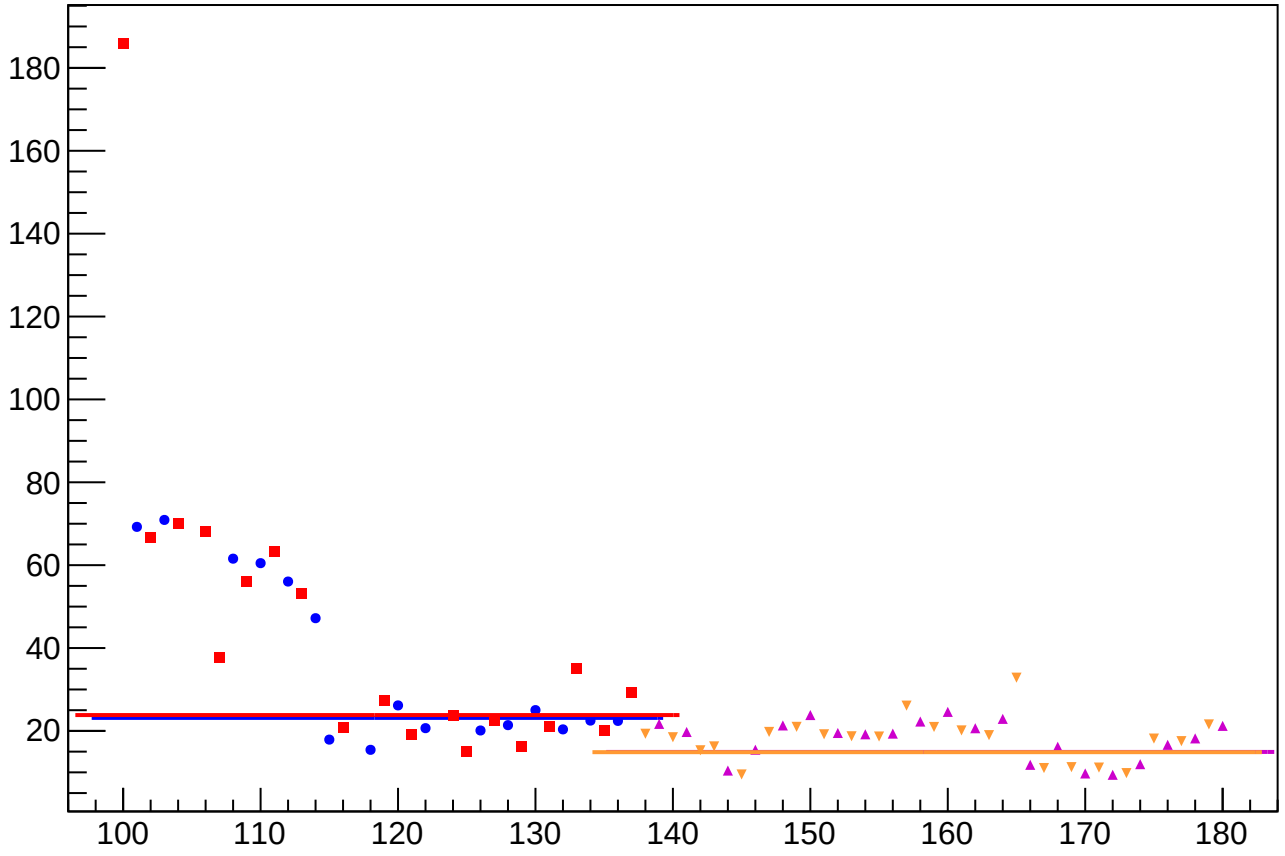
Left In: -0.003+/-0.004 χ^2/NDF:23.5/20

+ sign -0.001+/-0.004 χ^2/NDF: 35.5/37

All: -0.002+/-0.003 χ^2/NDF: 80.8/77

- 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: 14.869+/-0.003 χ^2/NDF:3177762.3/21

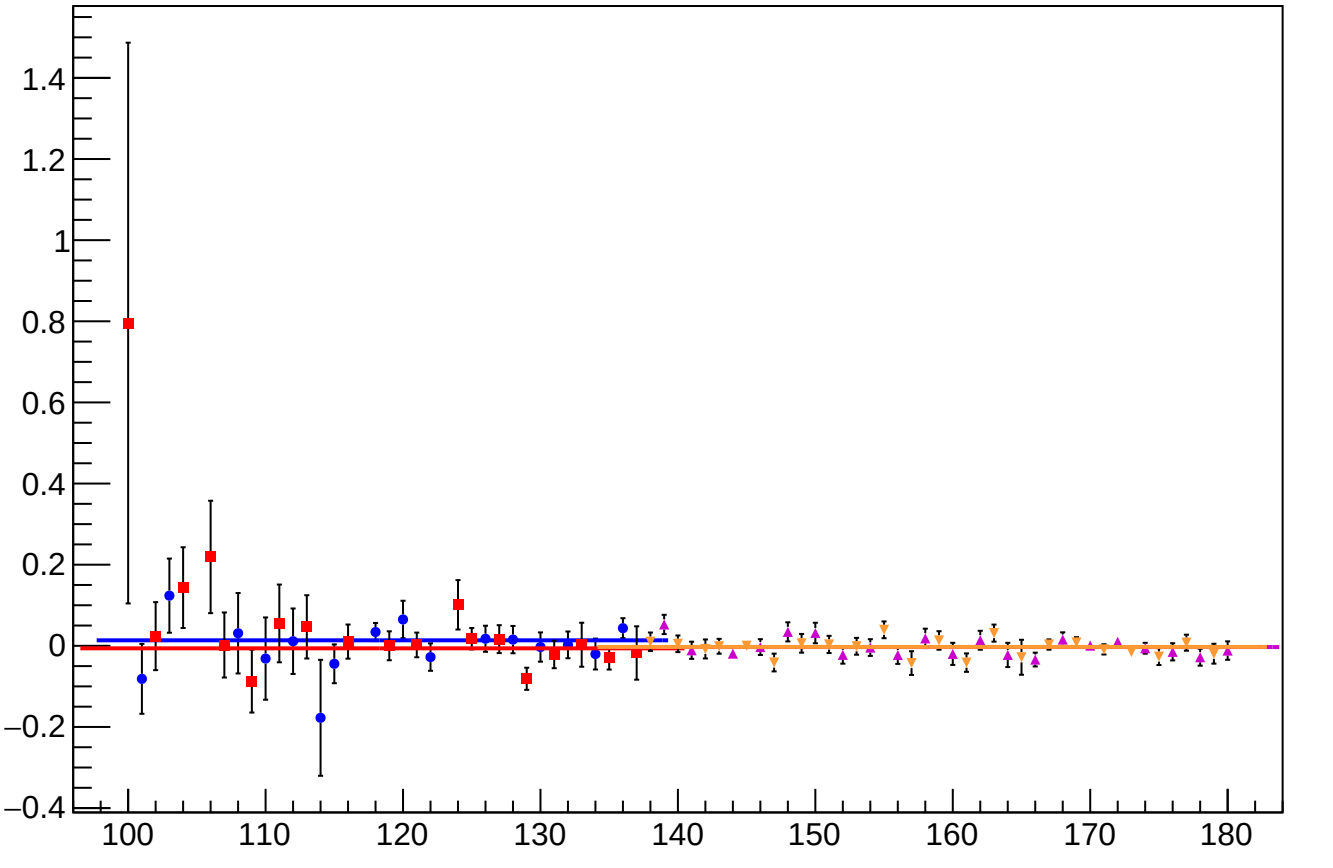
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.927+/-0.003 χ^2/NDF:3285031.9/20

\+ sign 15.952+/-0.003 χ^2/NDF: 6812164.0/37

All: 16.020+/-0.002 χ^2/NDF: 14355624.0/77

\- 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:20.8/21

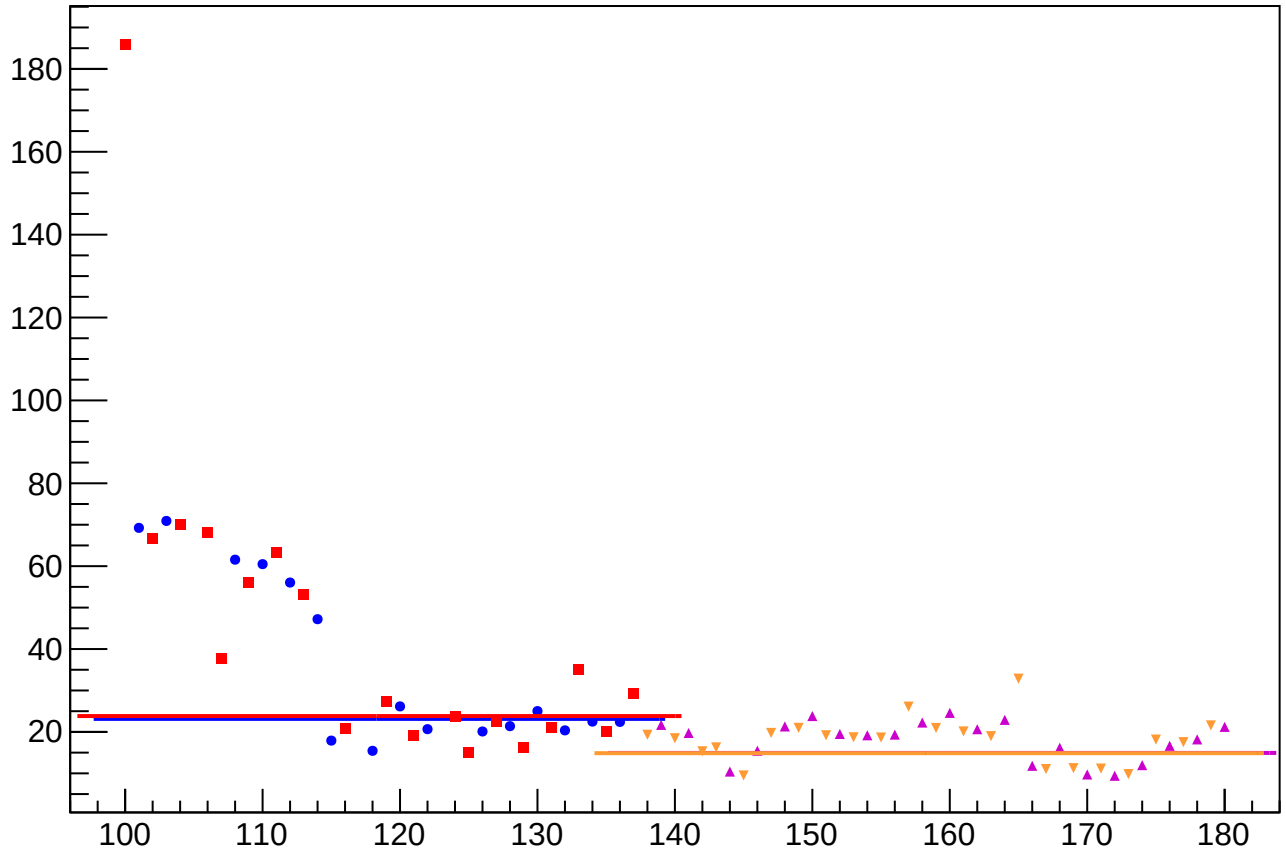
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.5/20

+ sign -0.001+/-0.004 χ^2/NDF: 35.5/37

All: -0.002+/-0.003 χ^2/NDF: 80.8/77

- 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: 14.869+/-0.003 χ^2/NDF:3177762.3/21

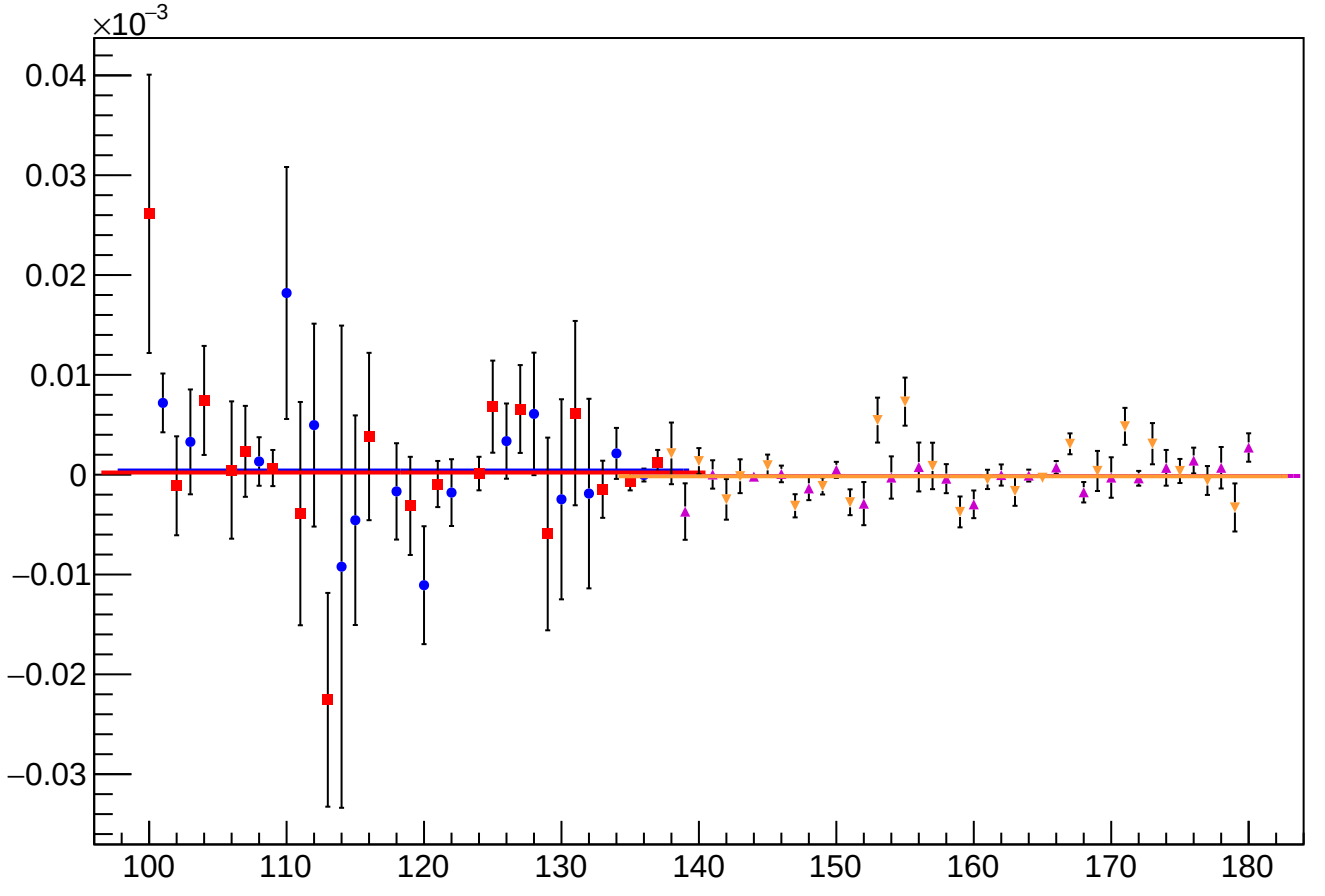
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.927+/-0.003 χ^2/NDF:3285031.9/20

+ sign 15.952+/-0.003 χ^2/NDF: 6812164.0/37

All: 16.020+/-0.002 χ^2/NDF: 14355624.0/77

- 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:60.3/21

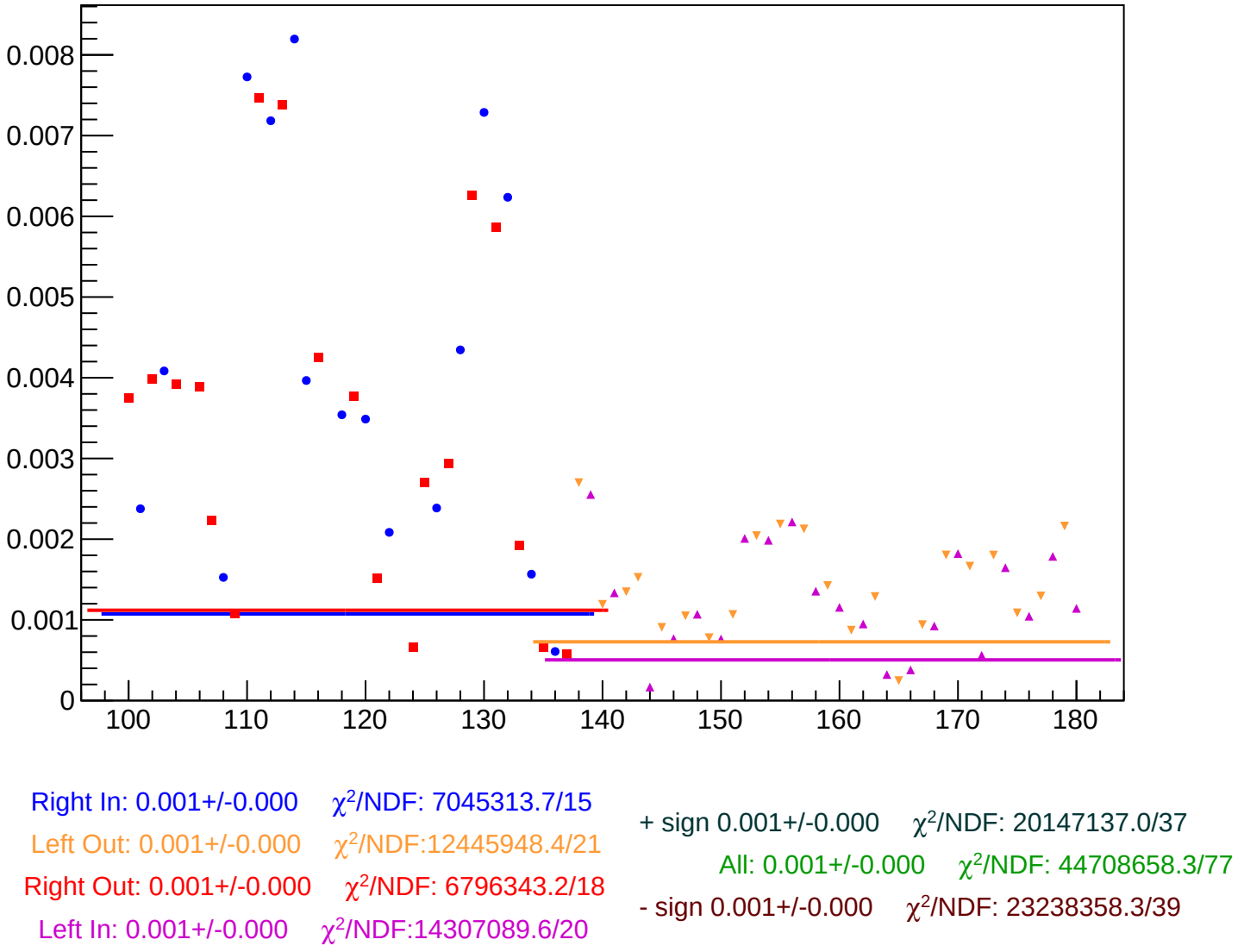
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

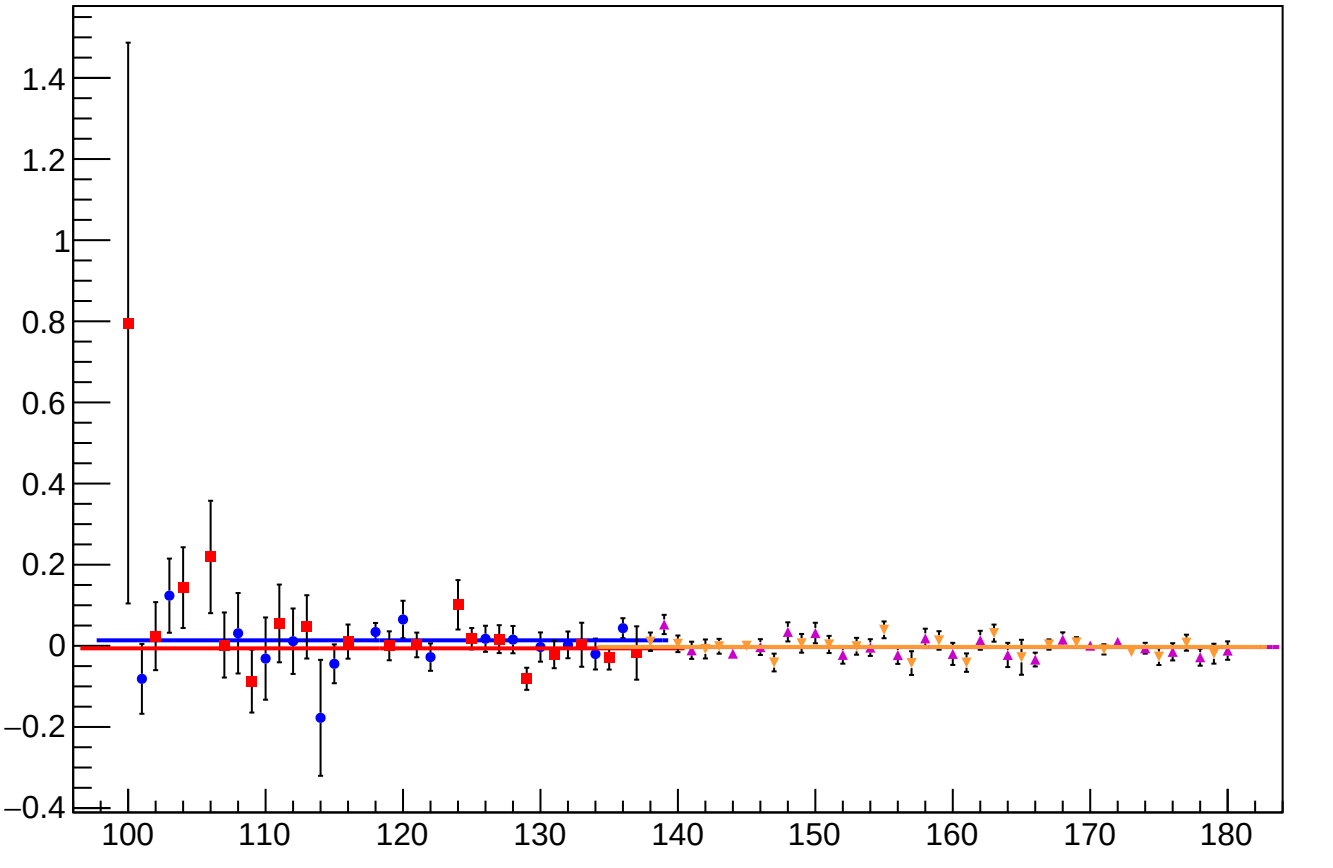
Left In: -0.000+/-0.000 χ^2/NDF:19.7/20

+ sign -0.000+/-0.000 χ^2/NDF: 76.5/37

All: -0.000+/-0.000 χ^2/NDF: 114.4/77

- 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:12445948.4/21
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: 20147137.0/37
All: 0.001+/-0.000 χ²/NDF: 44708658.3/77
- 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:20.8/21

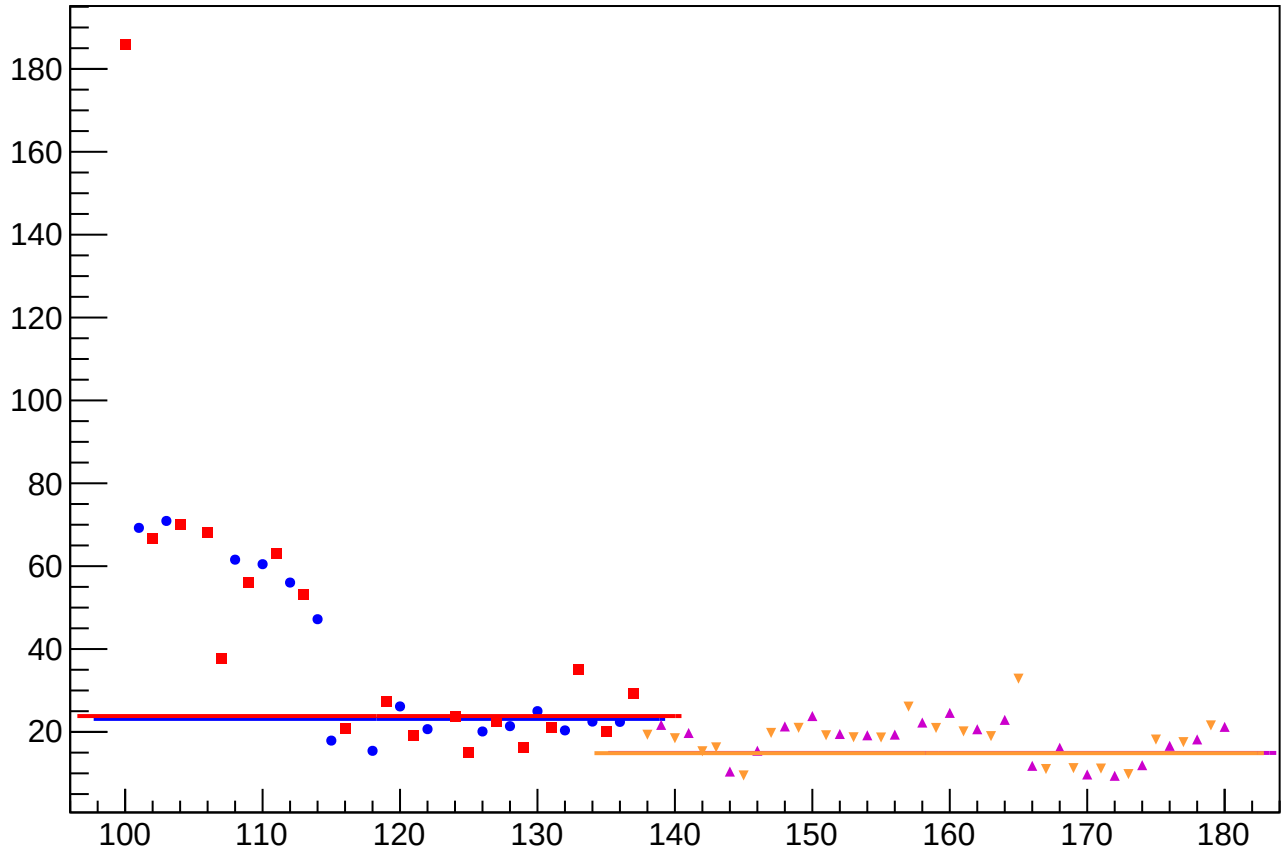
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.5/20

+ sign -0.001+/-0.004 χ^2/NDF: 35.5/37

All: -0.002+/-0.003 χ^2/NDF: 80.8/77

- 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: 14.869+/-0.003 χ^2/NDF:3177866.3/21

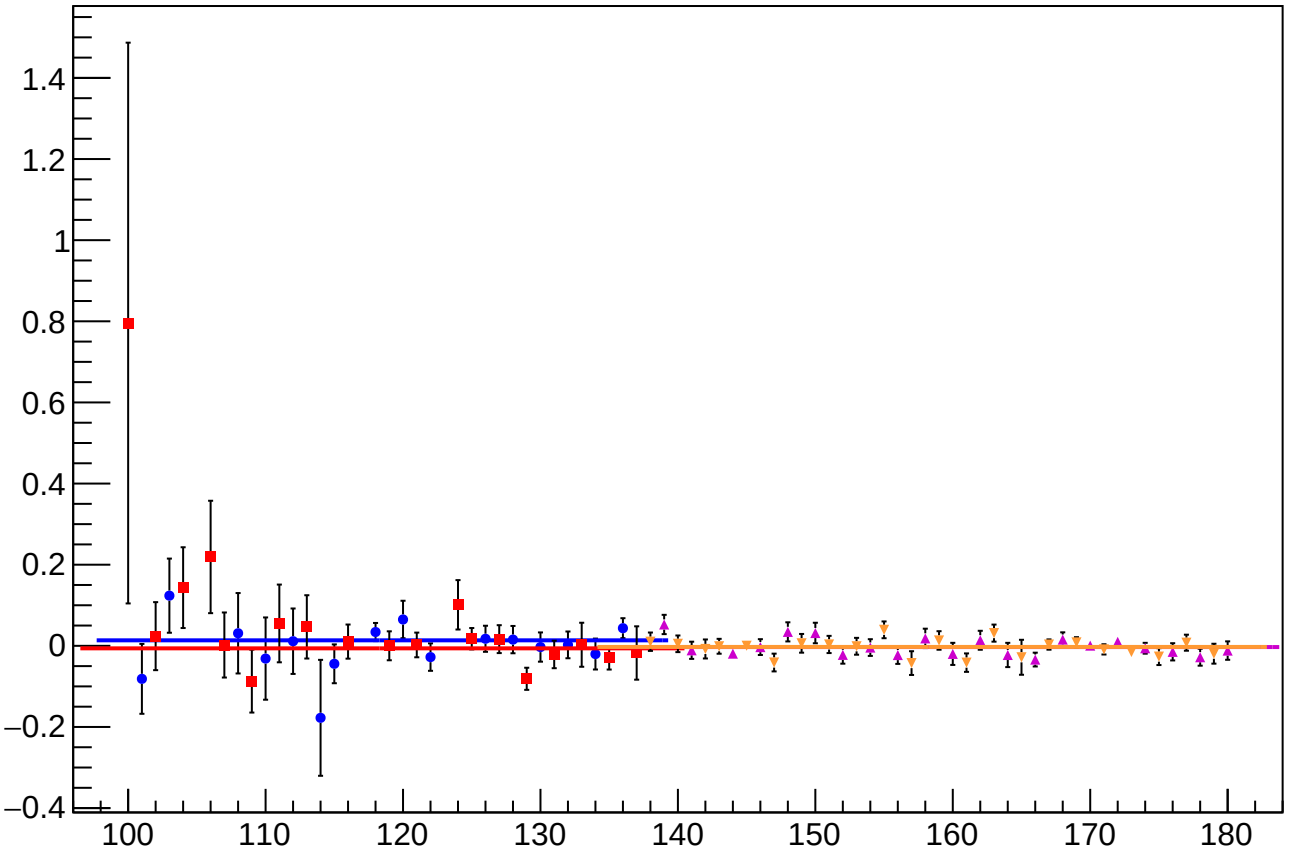
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.927+/-0.003 χ^2/NDF:3285072.5/20

+ sign 15.952+/-0.003 χ^2/NDF: 6812006.6/37

All: 16.020+/-0.002 χ^2/NDF: 14355307.5/77

- 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:20.8/21

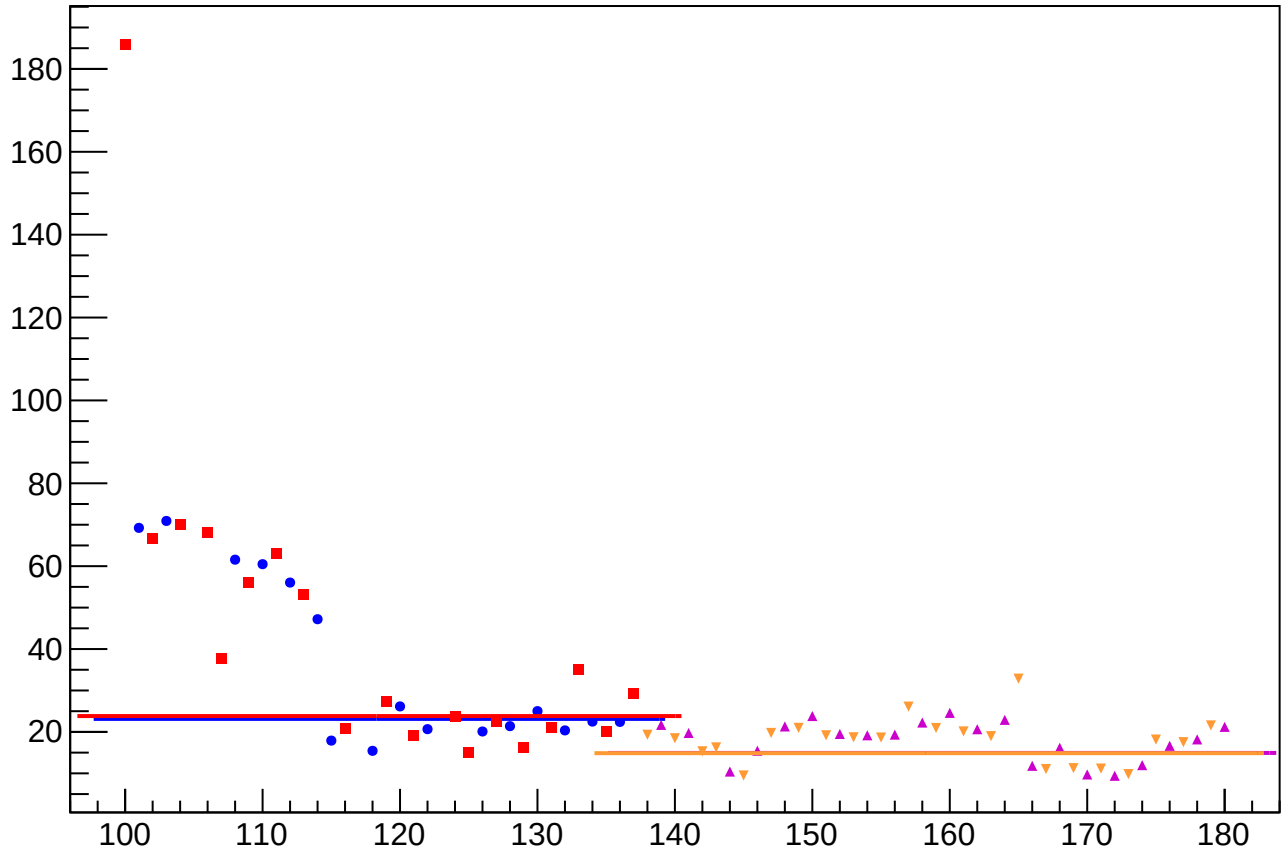
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.004 χ^2/NDF:23.5/20

+ sign -0.001+/-0.004 χ^2/NDF: 35.5/37

All: -0.002+/-0.003 χ^2/NDF: 80.8/77

- 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: 14.869+/-0.003 χ^2/NDF:3177866.3/21

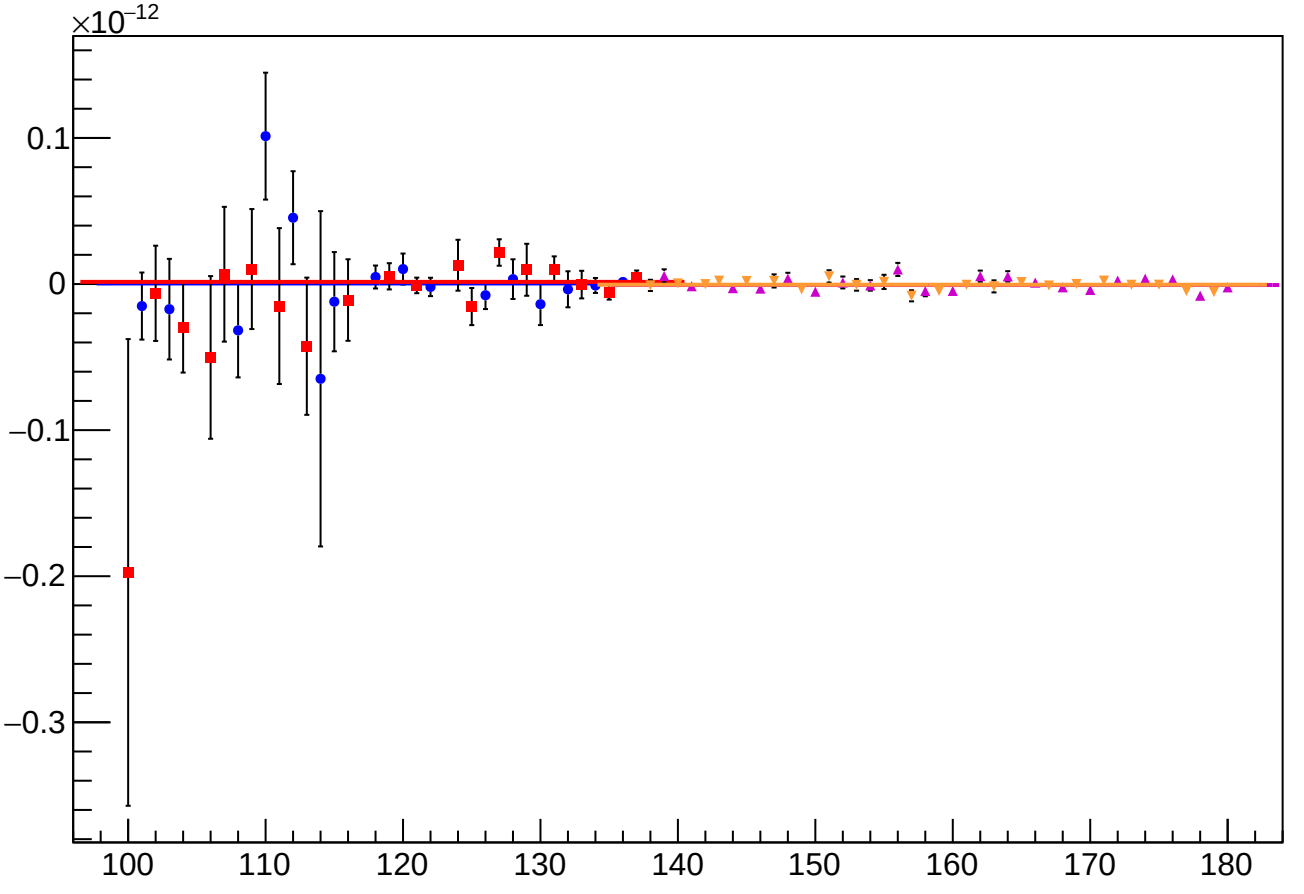
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.927+/-0.003 χ^2/NDF:3285072.5/20

+ sign 15.952+/-0.003 χ^2/NDF: 6812006.6/37

All: 16.020+/-0.002 χ^2/NDF: 14355307.5/77

- 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:19.6/21

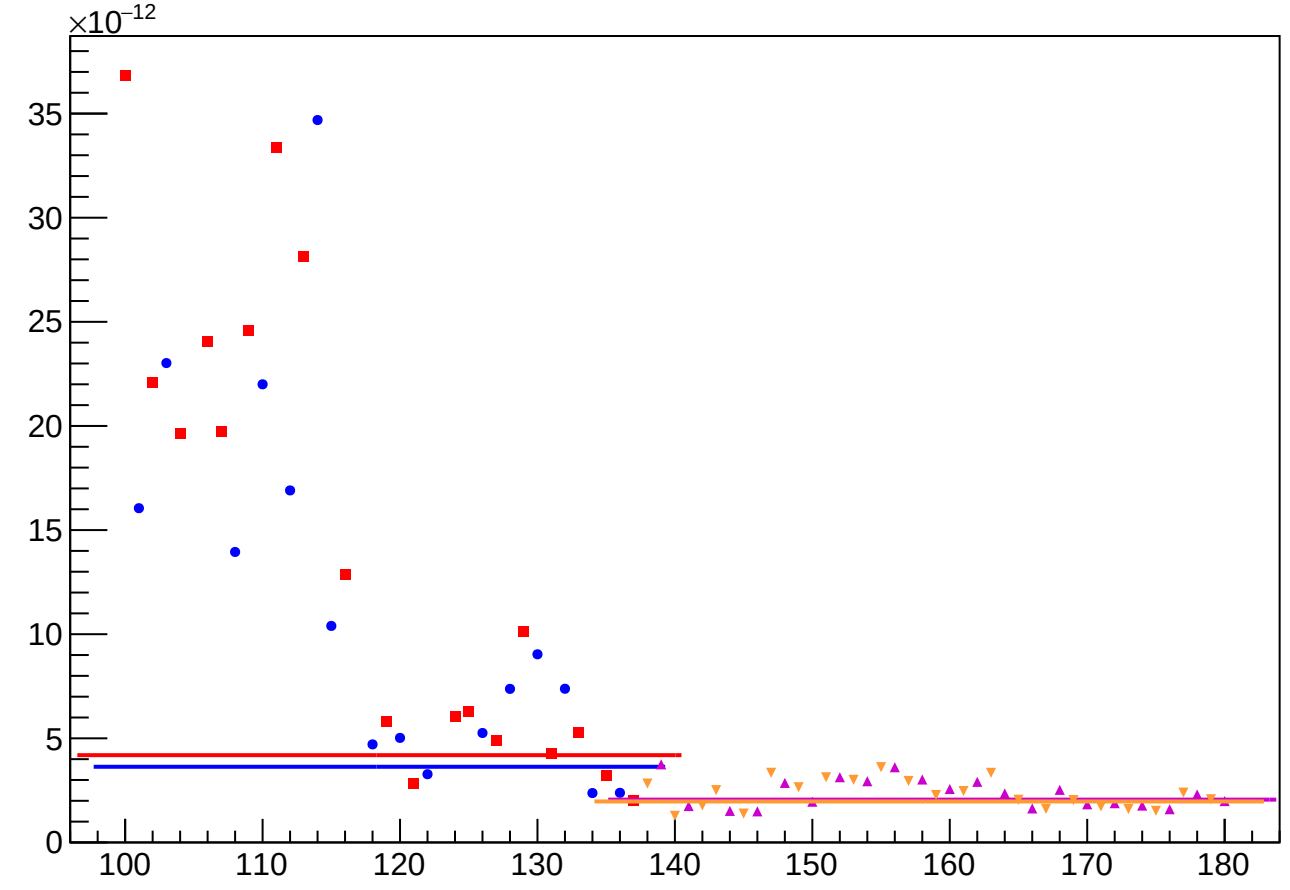
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:38.9/20

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/37

All: -0.000+/-0.000 χ^2/NDF: 88.1/77

- sign -0.000+/-0.000 χ^2/NDF: 55.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2186240.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

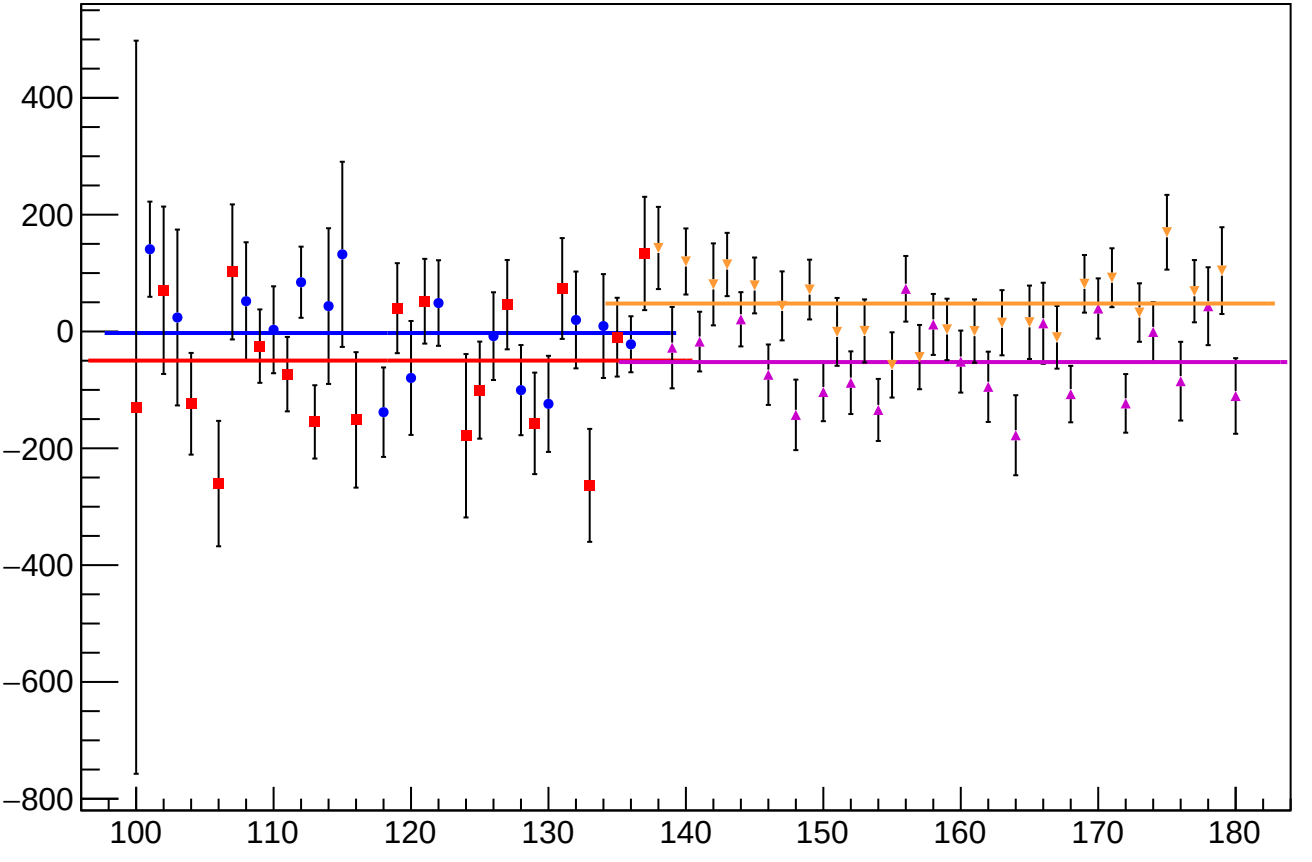
Left In: 0.000+/-0.000 χ^2/NDF:1751431.3/20

+ sign 0.000+/-0.000 χ^2/NDF: 6990920.9/37

All: 0.000+/-0.000 χ^2/NDF: 14762661.9/77

- sign 0.000+/-0.000 χ^2/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: 47.855+/-11.904 χ^2/NDF:22.5/21

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

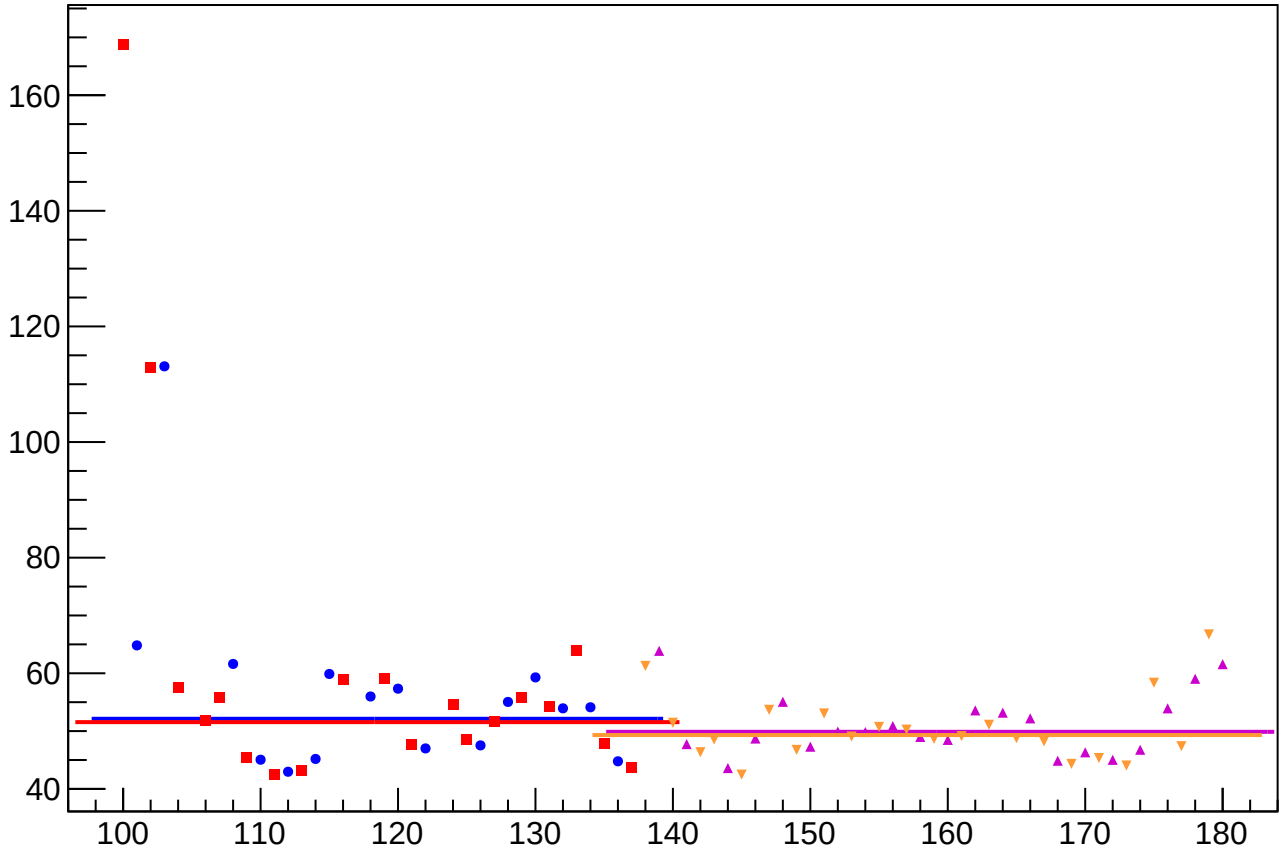
Left In: -52.346+/-12.120 χ^2/NDF:31.2/20

+ sign 34.647+/-10.229 χ^2/NDF: 41.8/37

All: -8.153+/-7.262 χ^2/NDF: 137.7/77

- 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: 49.314+/-0.008 χ^2/NDF:342473.6/21

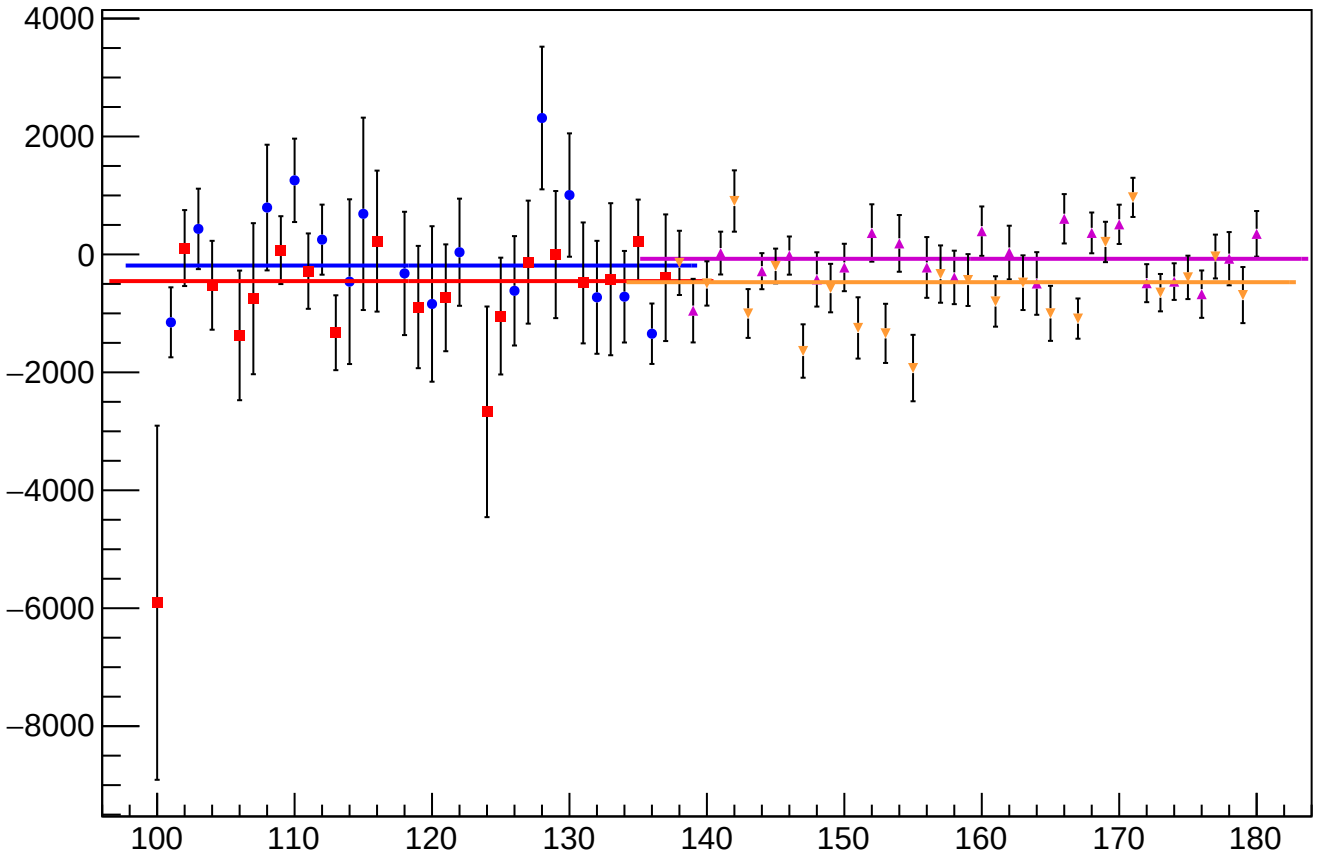
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.875+/-0.009 χ^2/NDF:326323.0/20

+ sign 50.050+/-0.007 χ^2/NDF: 934652.3/37

All: 50.193+/-0.005 χ^2/NDF: 1911869.1/77

- 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: -470.900+/-86.893 χ^2/NDF:58.4/21

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

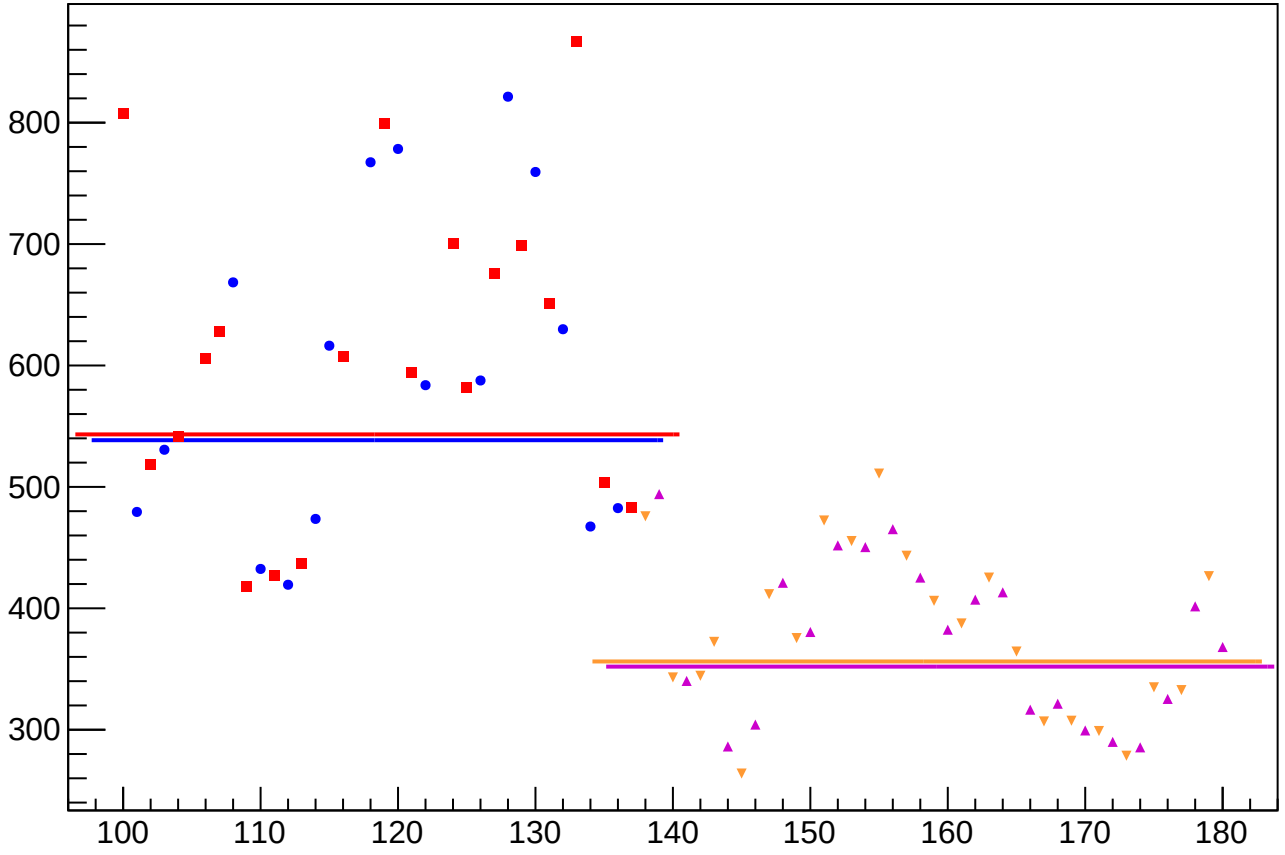
Left In: -74.571+/-86.299 χ^2/NDF:21.5/20

\+ sign -428.186+/-80.051 χ^2/NDF: 81.3/37

All: -279.015+/-56.400 χ^2/NDF: 123.9/77

\- 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: 356.229+/-0.061 χ^2/NDF:1128270.0/21

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

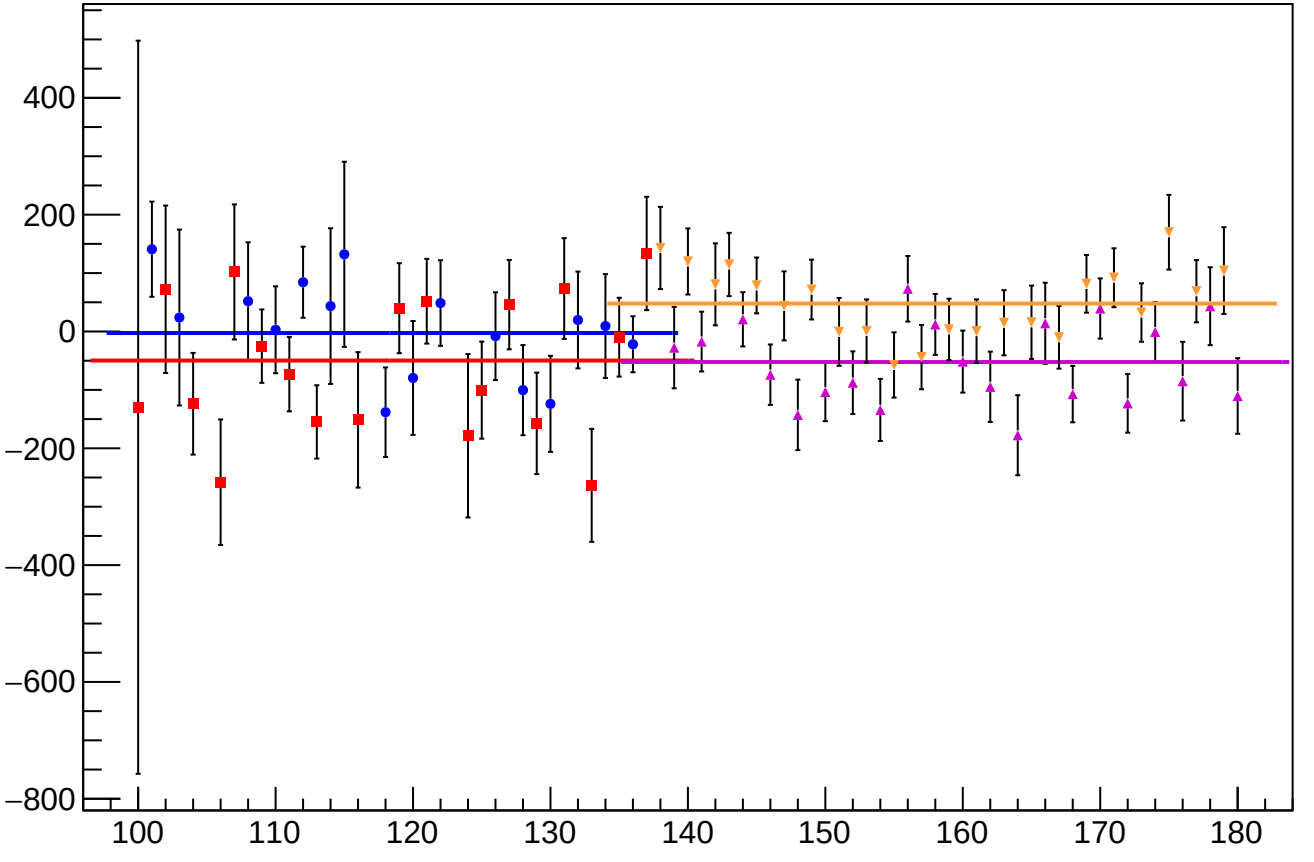
Left In: 351.985+/-0.061 χ^2/NDF:997345.6/20

\+ sign 383.799+/-0.057 χ^2/NDF: 3073135.3/37

All: 382.408+/-0.040 χ^2/NDF: 6200912.8/77

\- 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: 47.857+/-11.904 χ^2/NDF:22.5/21

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

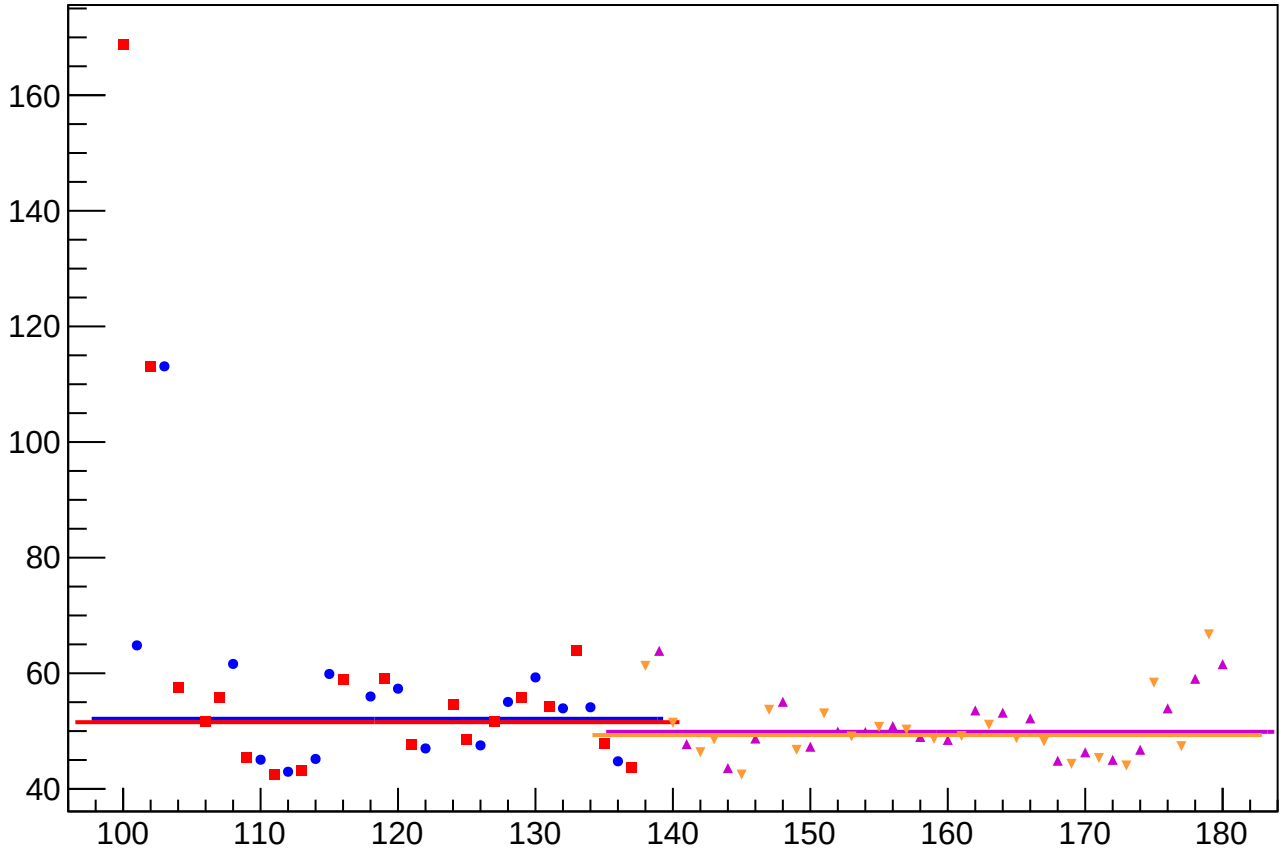
Left In: -52.345+/-12.120 χ^2/NDF:31.2/20

+ sign 34.647+/-10.229 χ^2/NDF: 41.8/37

All: -8.136+/-7.262 χ^2/NDF: 137.6/77

- 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: 49.314+/-0.008 χ^2/NDF:342473.6/21

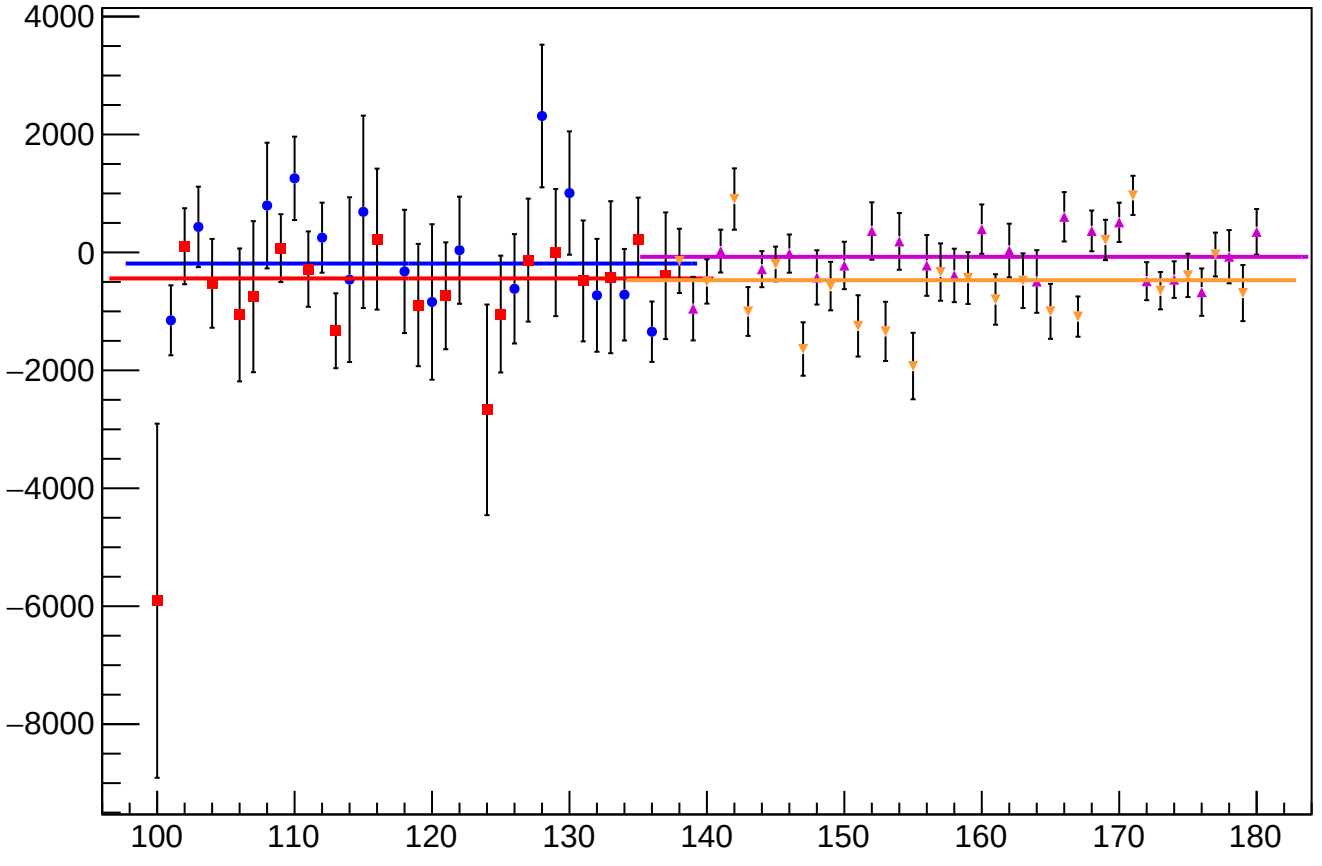
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.875+/-0.009 χ^2/NDF:326323.0/20

+ sign 50.050+/-0.007 χ^2/NDF: 934654.6/37

All: 50.191+/-0.005 χ^2/NDF: 1911945.8/77

- 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: -470.897+/-86.893 χ^2/NDF:58.4/21

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

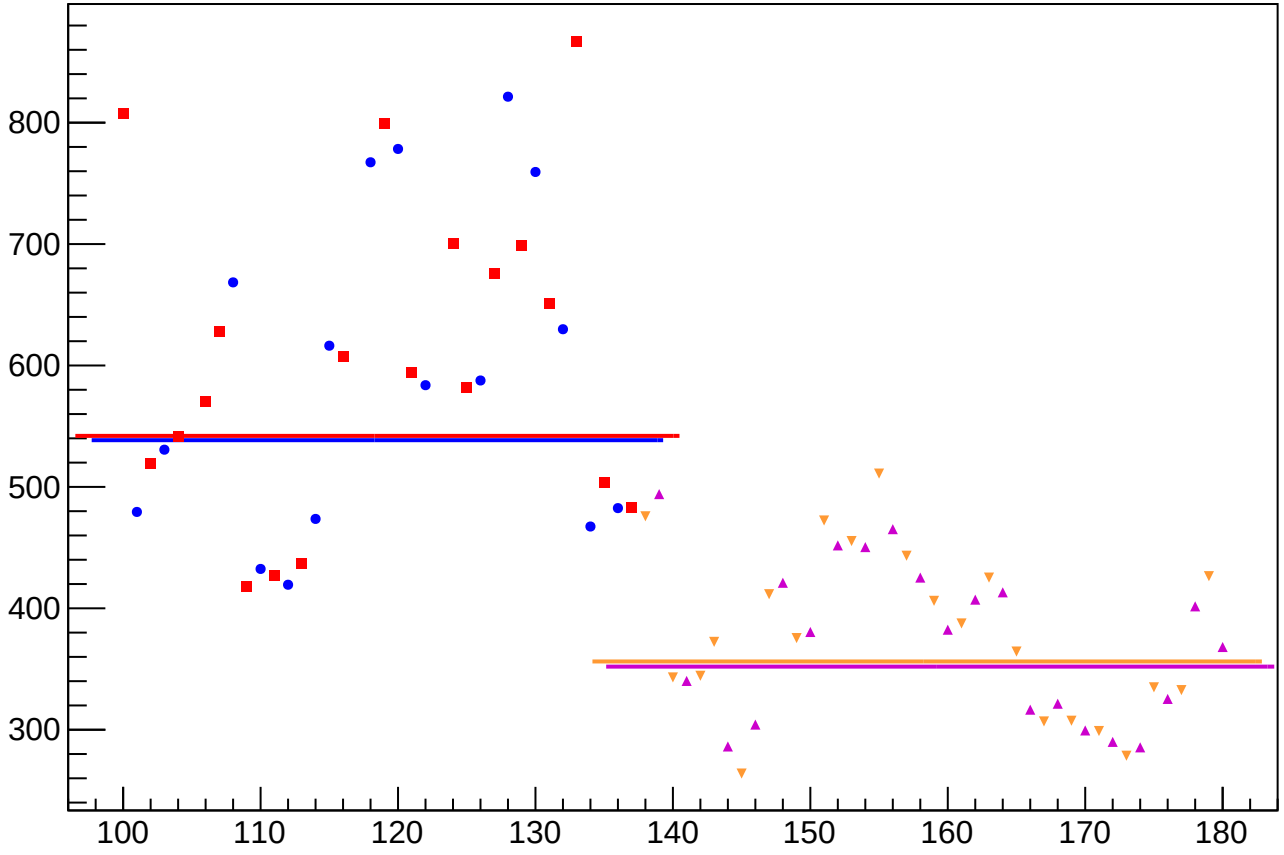
Left In: -74.571+/-86.299 χ^2/NDF:21.5/20

+ sign -428.181+/-80.051 χ^2/NDF: 81.3/37

All: -278.119+/-56.404 χ^2/NDF: 123.4/77

- 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: 356.229+/-0.061 χ^2/NDF:1128274.3/21

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

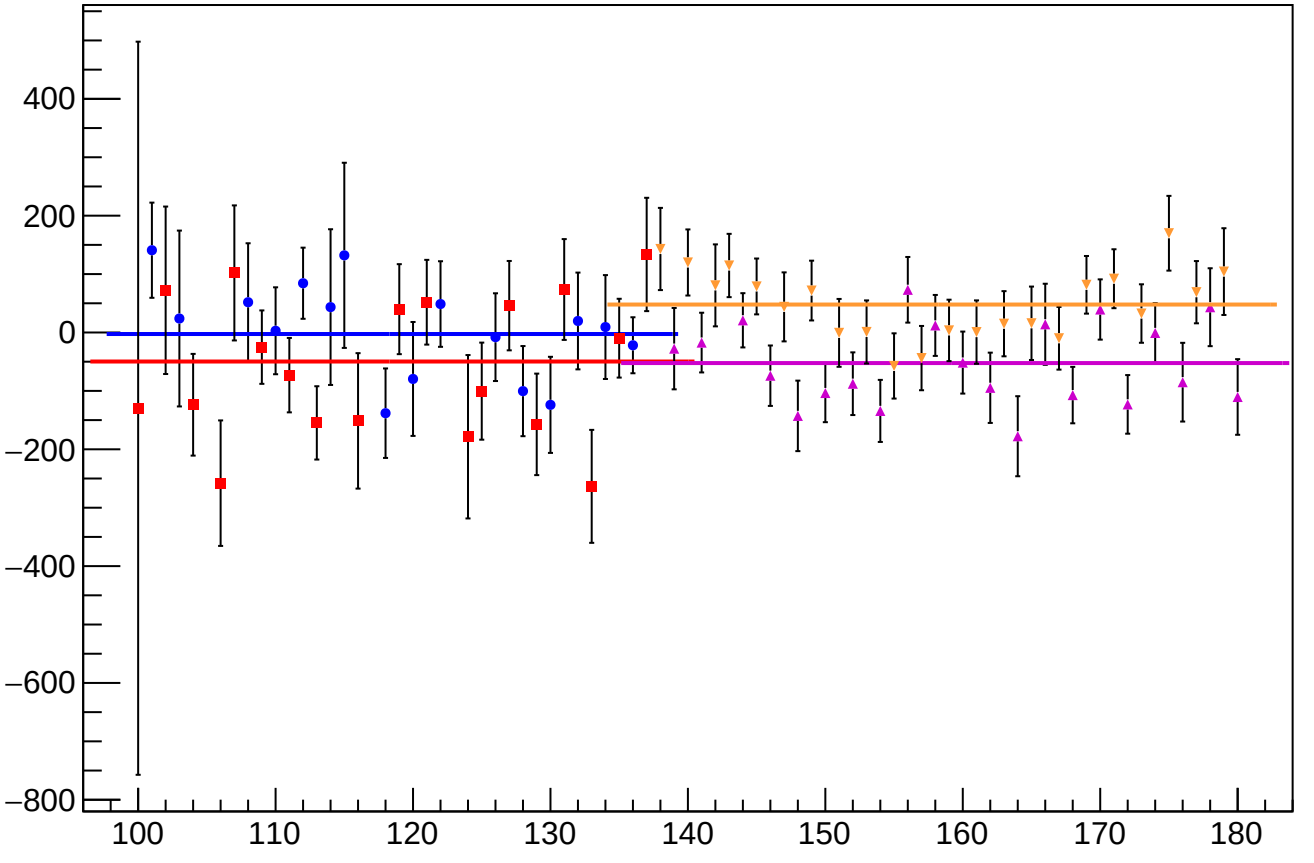
Left In: 351.985+/-0.061 χ^2/NDF:997345.6/20

\+ sign 383.799+/-0.057 χ^2/NDF: 3073194.6/37

All: 382.292+/-0.040 χ^2/NDF: 6174343.2/77

\- 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: 47.857+/-11.904 χ^2/NDF:22.5/21

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

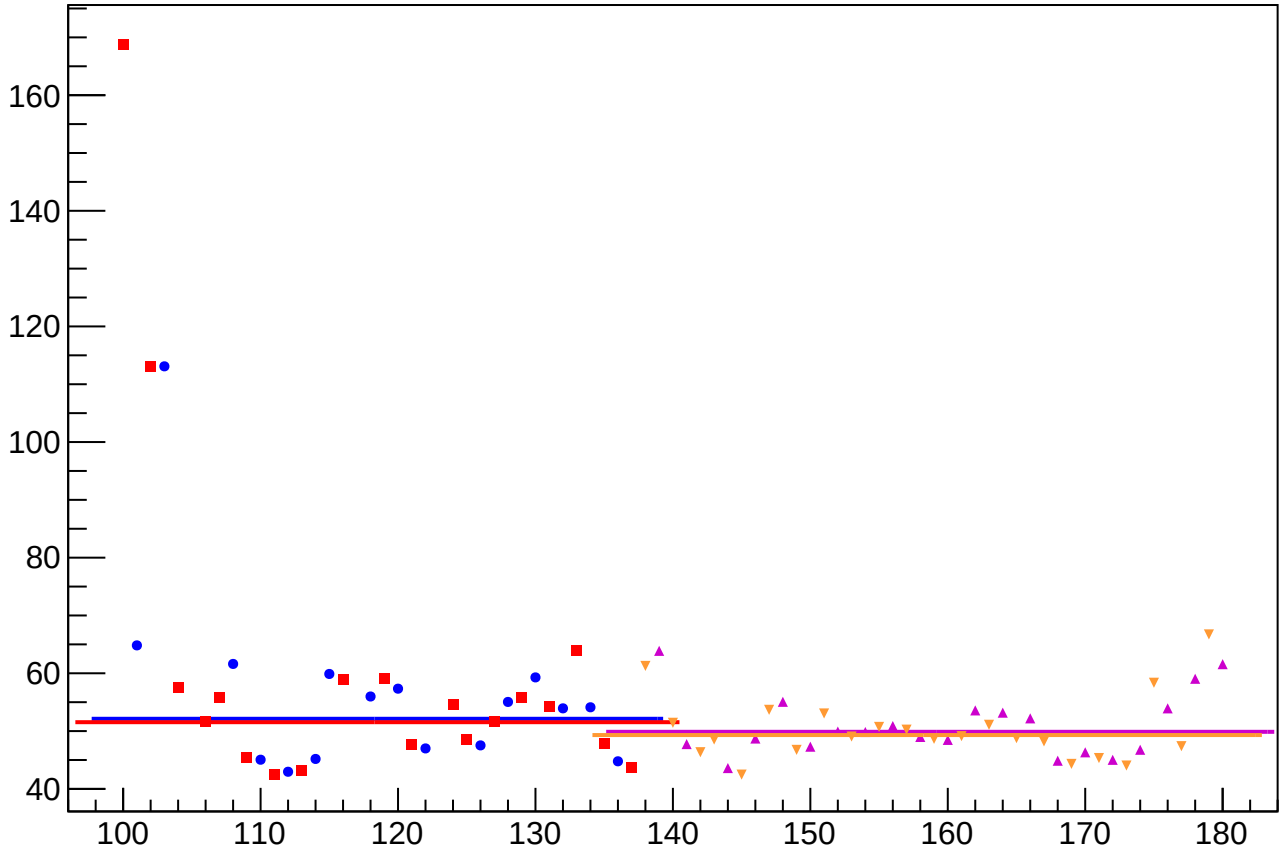
Left In: -52.345+/-12.120 χ^2/NDF:31.2/20

+ sign 34.647+/-10.229 χ^2/NDF: 41.8/37

All: -8.136+/-7.262 χ^2/NDF: 137.6/77

- 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: 49.314+/-0.008 χ^2/NDF:342473.6/21

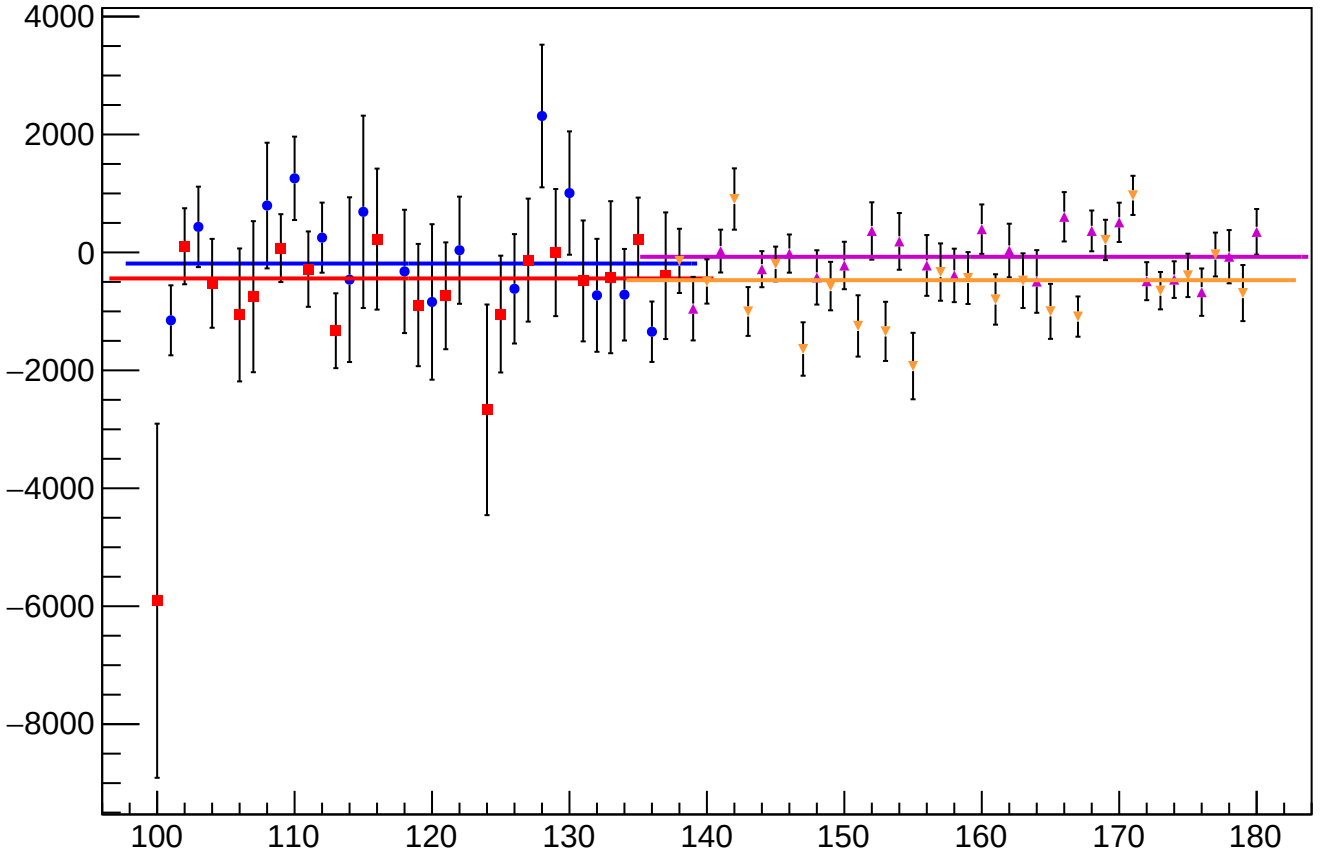
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.875+/-0.009 χ^2/NDF:326323.0/20

+ sign 50.050+/-0.007 χ^2/NDF: 934654.6/37

All: 50.191+/-0.005 χ^2/NDF: 1911945.8/77

- 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: -470.897+/-86.893 χ^2/NDF:58.4/21

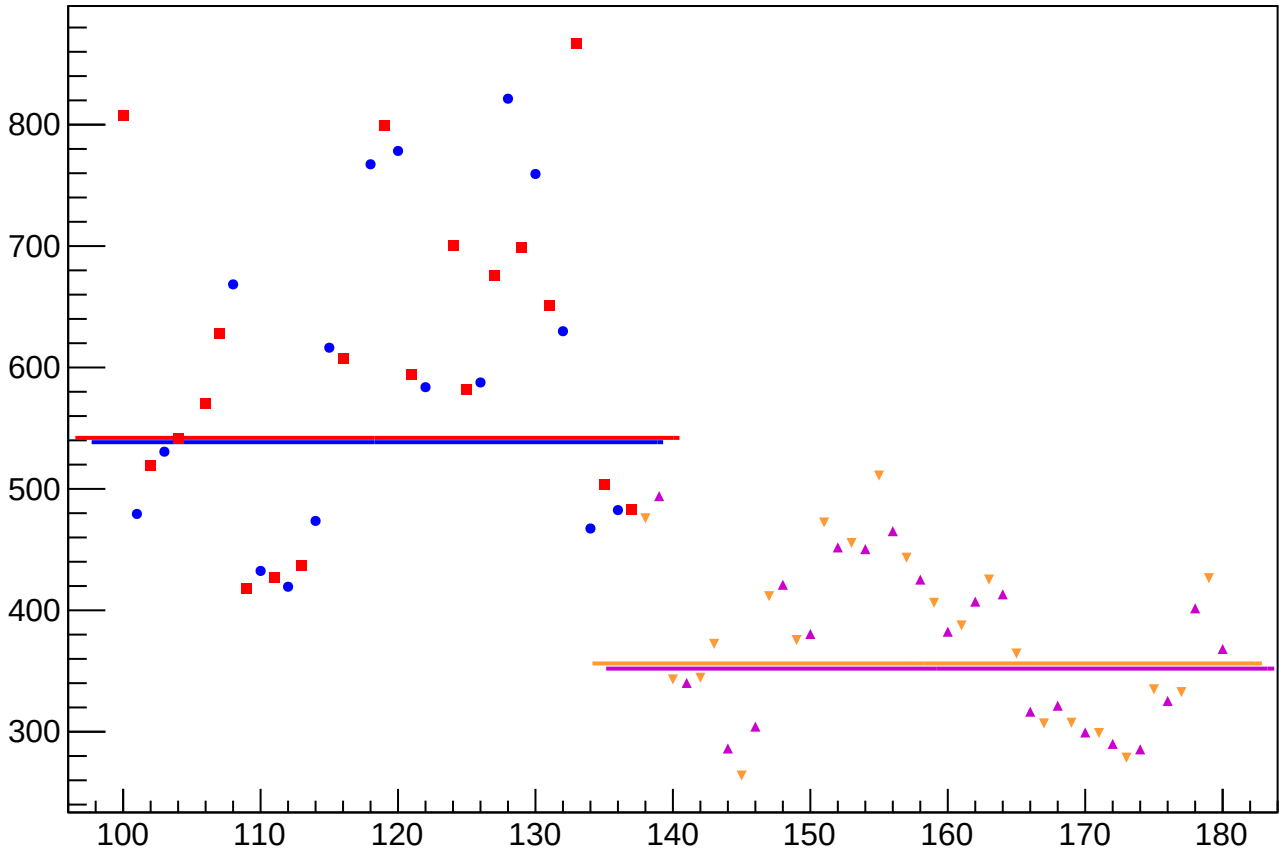
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -74.571+/-86.299 χ^2/NDF:21.5/20

+ sign -428.181+/-80.051 χ^2/NDF: 81.3/37

All: -278.119+/-56.404 χ^2/NDF: 123.4/77

- 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: 356.229+/-0.061 χ^2/NDF:1128274.3/21

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

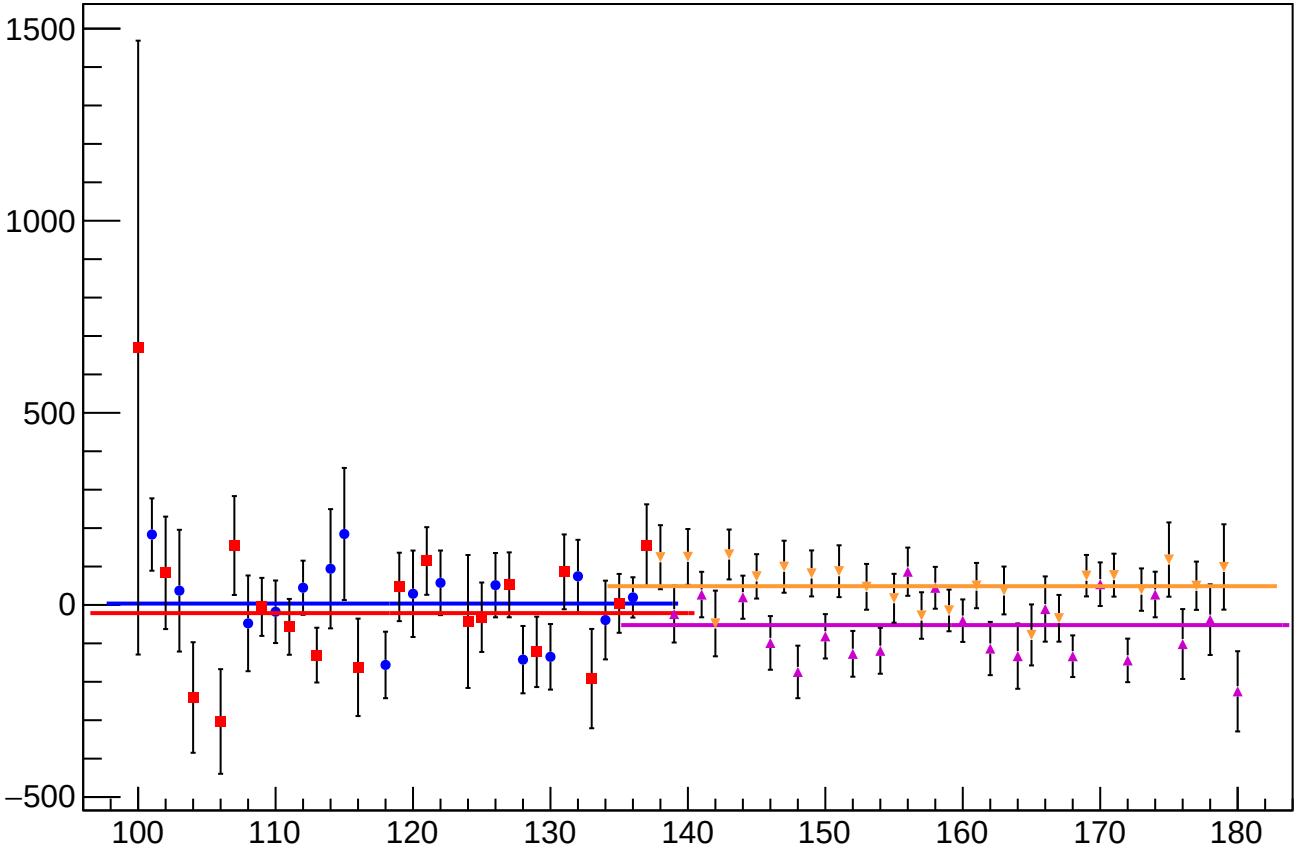
Left In: 351.985+/-0.061 χ^2/NDF:997345.6/20

+ sign 383.799+/-0.057 χ^2/NDF: 3073194.6/37

All: 382.292+/-0.040 χ^2/NDF: 6174343.2/77

- 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: 48.823+/-13.769 χ^2/NDF:15.1/21

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

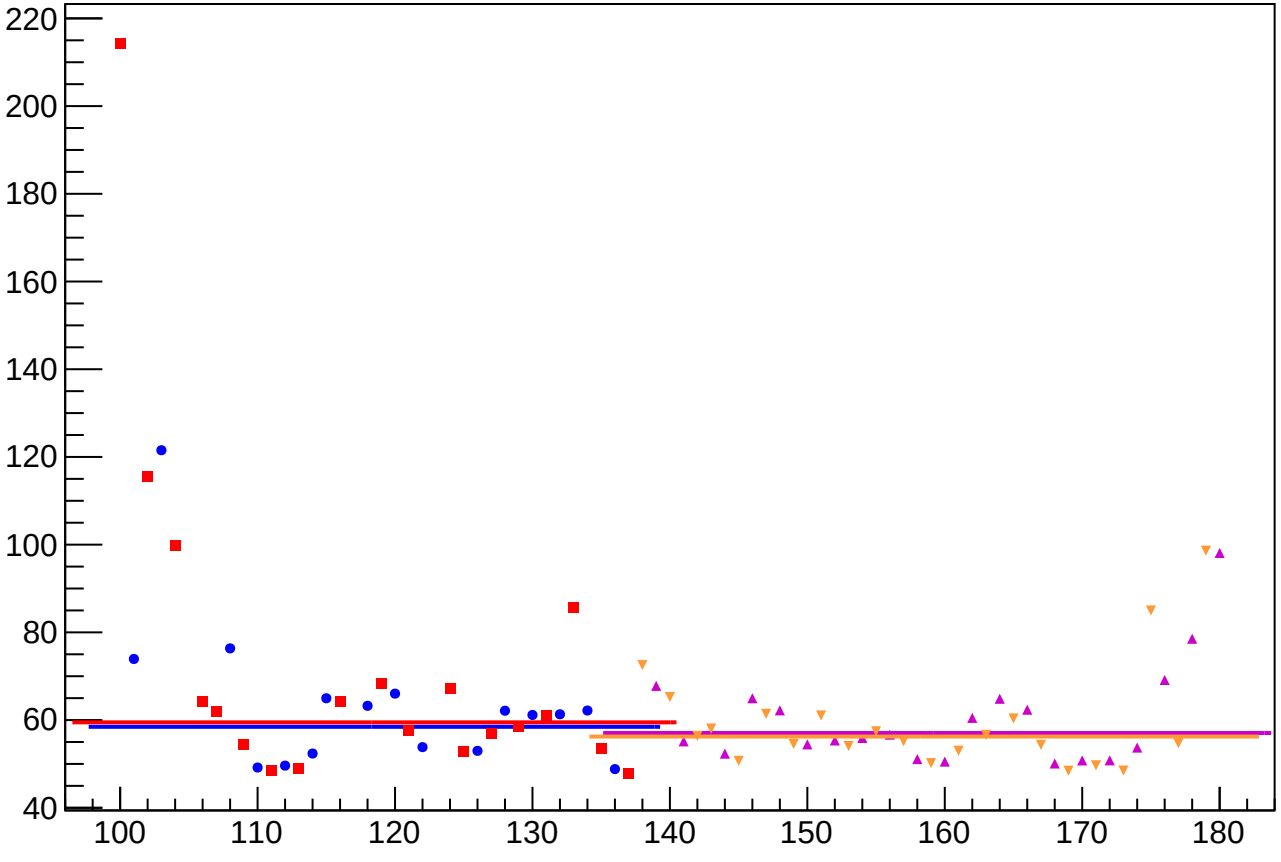
Left In: -52.449+/-14.079 χ^2/NDF:33.6/20

+ sign 36.484+/-11.742 χ^2/NDF: 34.2/37

All: -2.880+/-8.384 χ^2/NDF: 116.5/77

- 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: 56.243+/-0.010 χ^2/NDF:770695.6/21

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

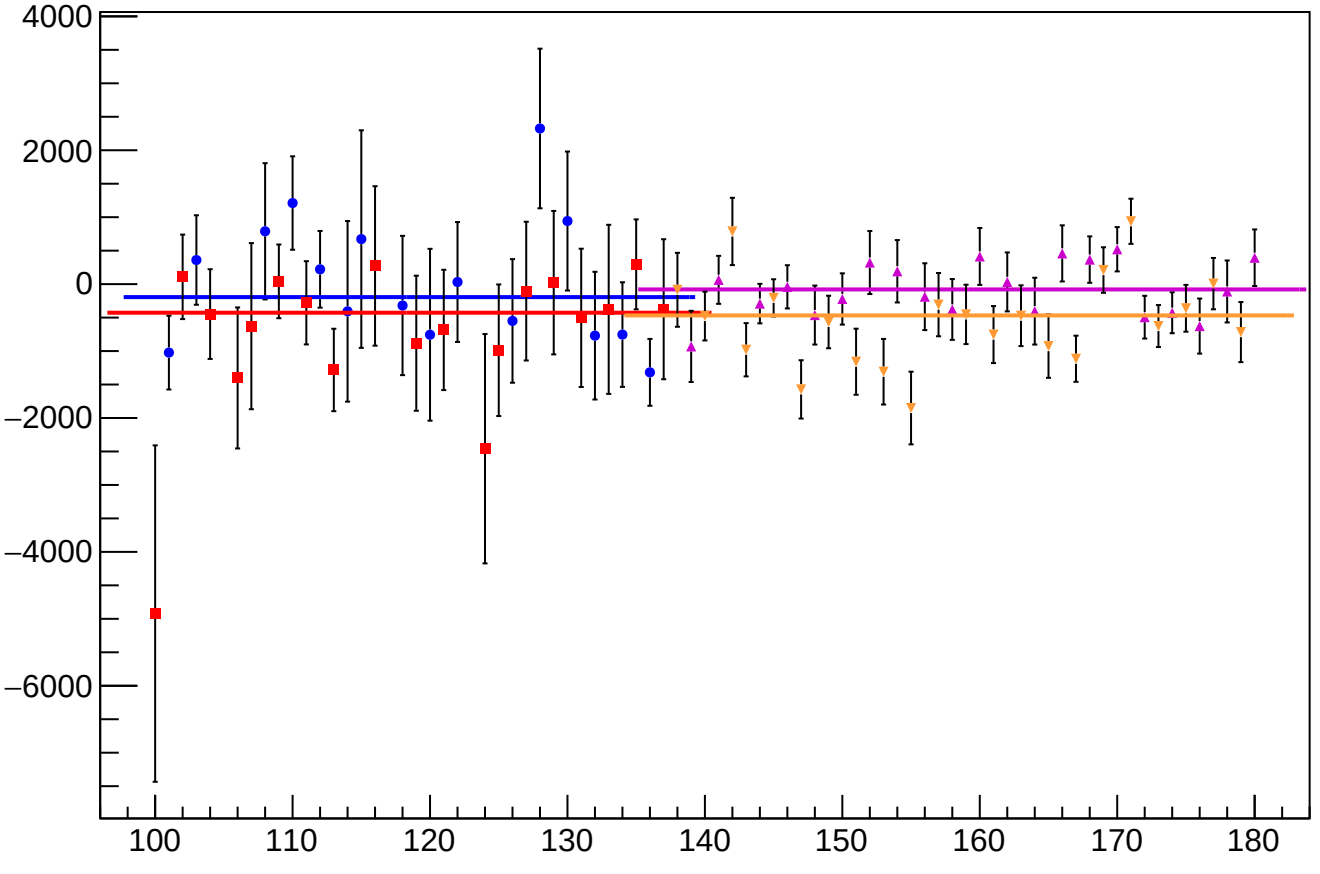
Left In: 57.050+/-0.010 χ^2/NDF:724680.8/20

+ sign 56.849+/-0.008 χ^2/NDF: 1367899.8/37

All: 57.277+/-0.006 χ^2/NDF: 2899431.0/77

- 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: -467.622+/-85.190 χ^2/NDF:55.7/21

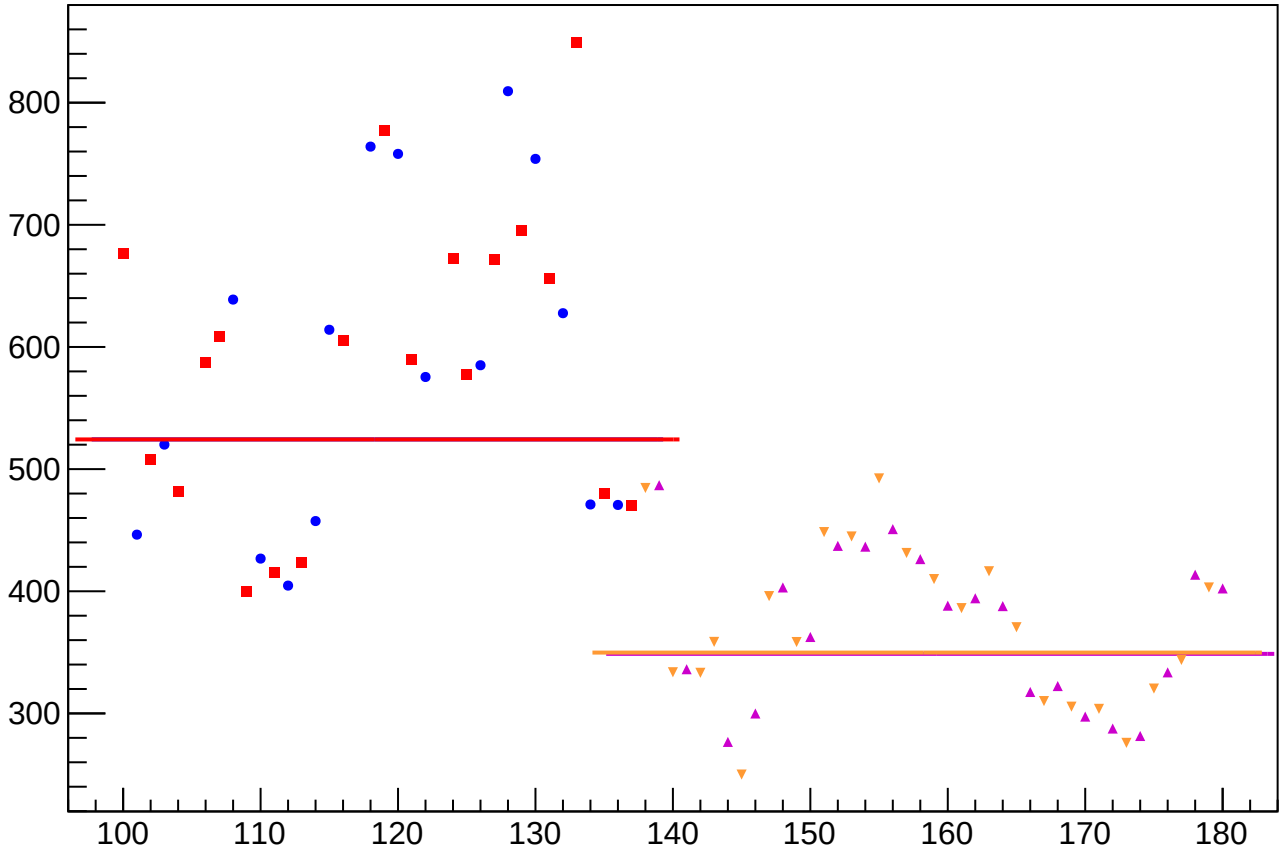
Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: -79.022+/-85.488 χ^2/NDF:20.1/20

+ sign -425.801+/-78.412 χ^2/NDF: 78.1/37

All: -279.999+/-55.449 χ^2/NDF: 119.1/77

- 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: 349.810+/-0.060 χ^2/NDF:1110288.6/21

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

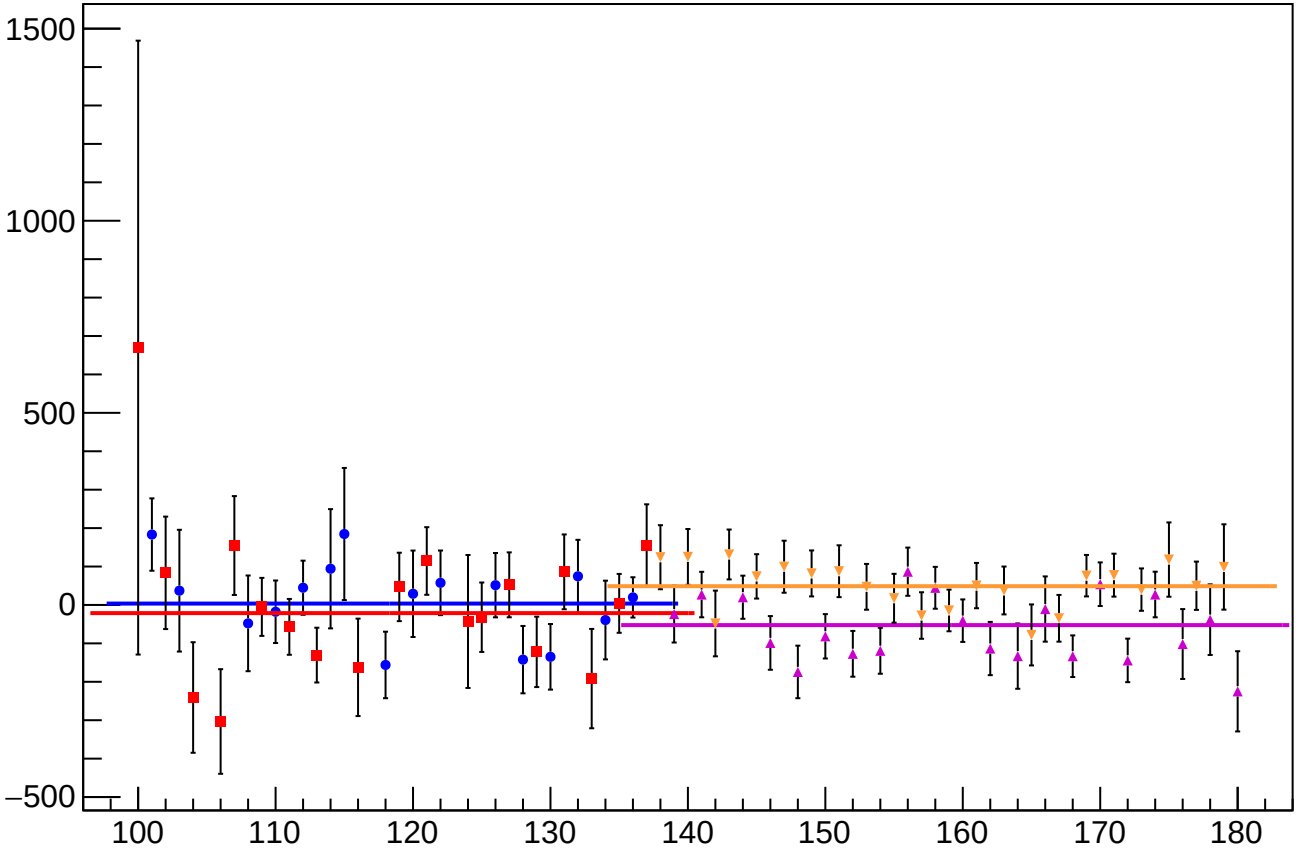
Left In: 348.755+/-0.060 χ^2/NDF:984489.7/20

+ sign 376.474+/-0.055 χ^2/NDF: 3051154.6/37

All: 376.524+/-0.039 χ^2/NDF: 6058167.2/77

- 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: 48.824+/-13.770 χ^2/NDF:15.1/21

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

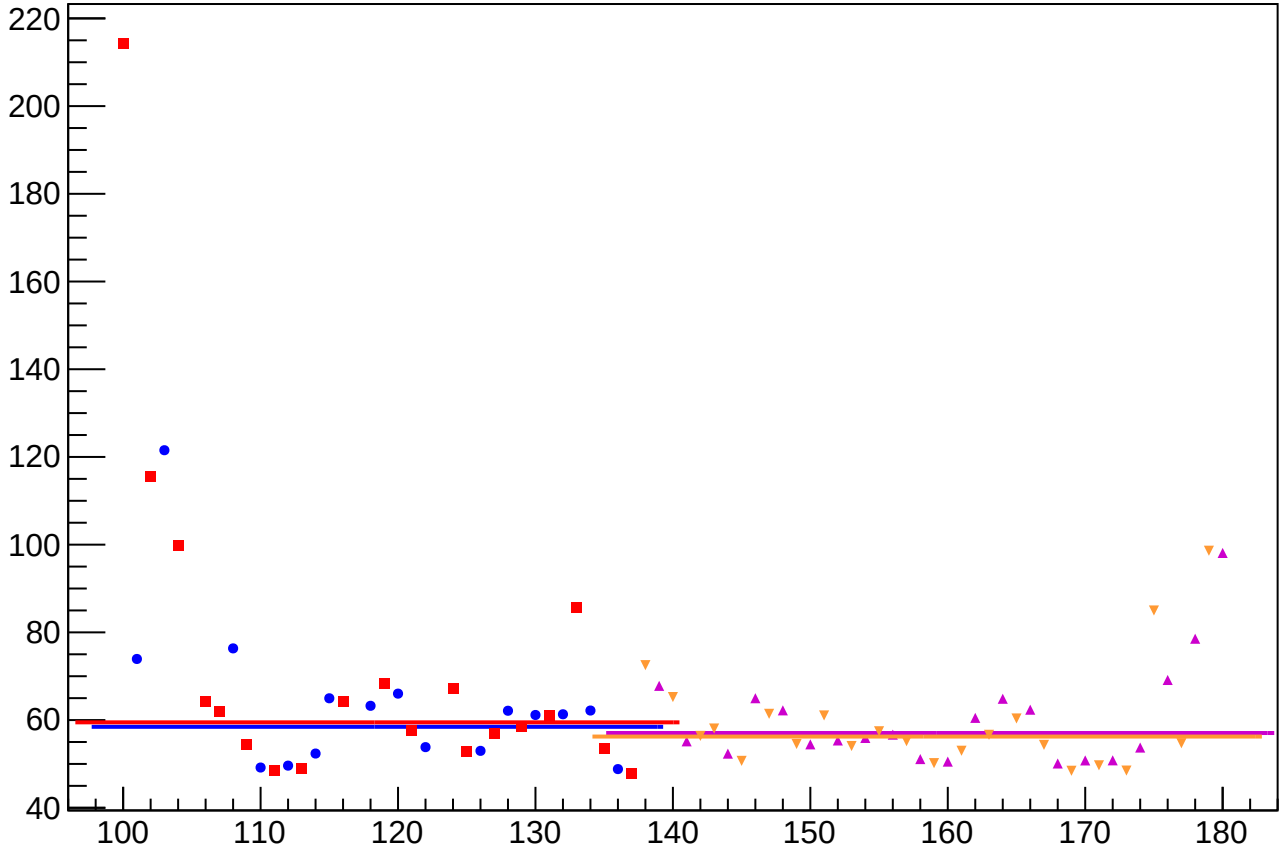
Left In: -52.449+/-14.079 χ^2/NDF:33.6/20

+ sign 36.485+/-11.742 χ^2/NDF: 34.2/37

All: -2.880+/-8.384 χ^2/NDF: 116.5/77

- 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: 56.243+/-0.010 χ^2/NDF:770698.1/21

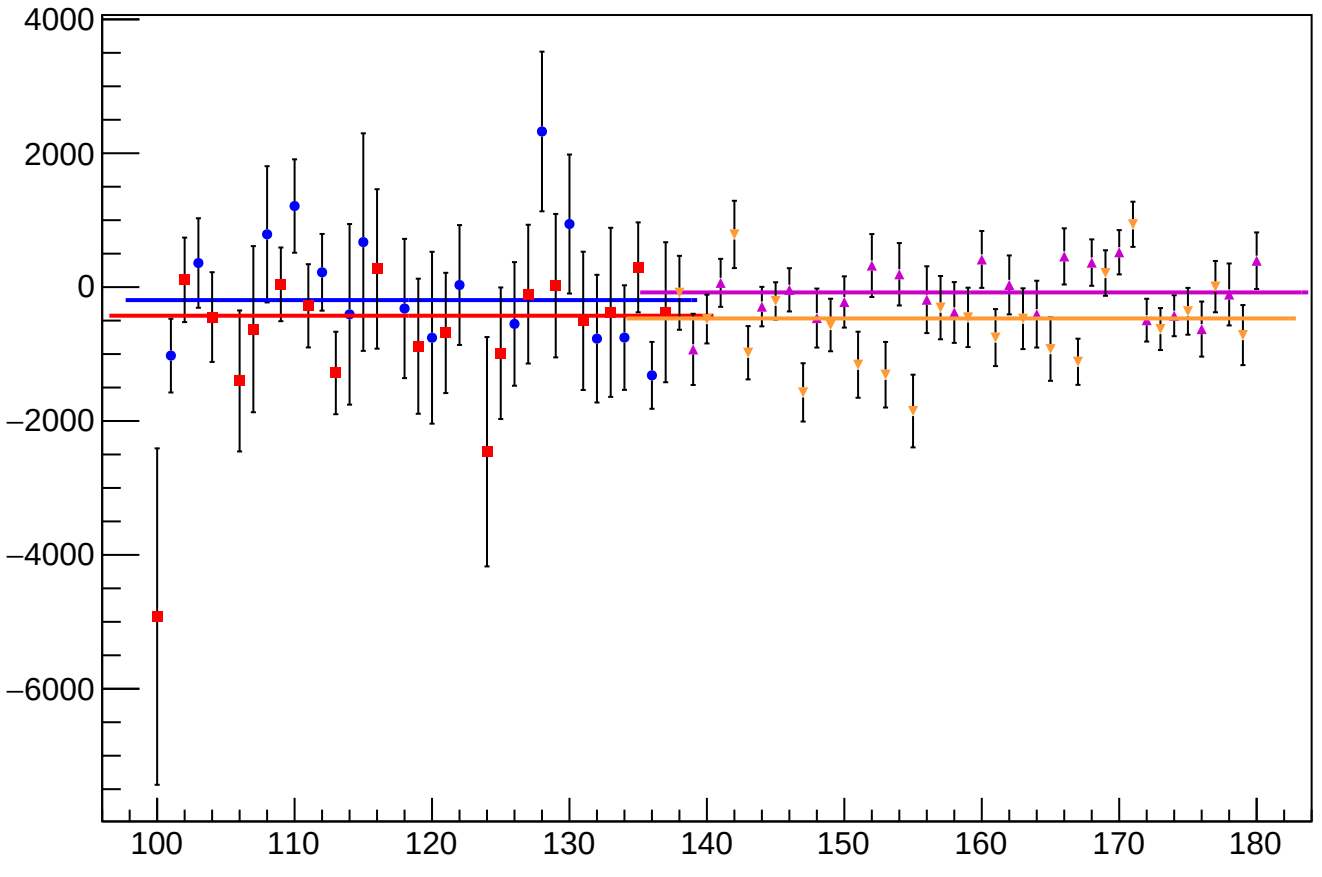
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.050+/-0.010 χ^2/NDF:724670.0/20

+ sign 56.849+/-0.008 χ^2/NDF: 1367898.7/37

All: 57.278+/-0.006 χ^2/NDF: 2899419.6/77

- 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: -467.622+/-85.190 χ^2/NDF:55.7/21

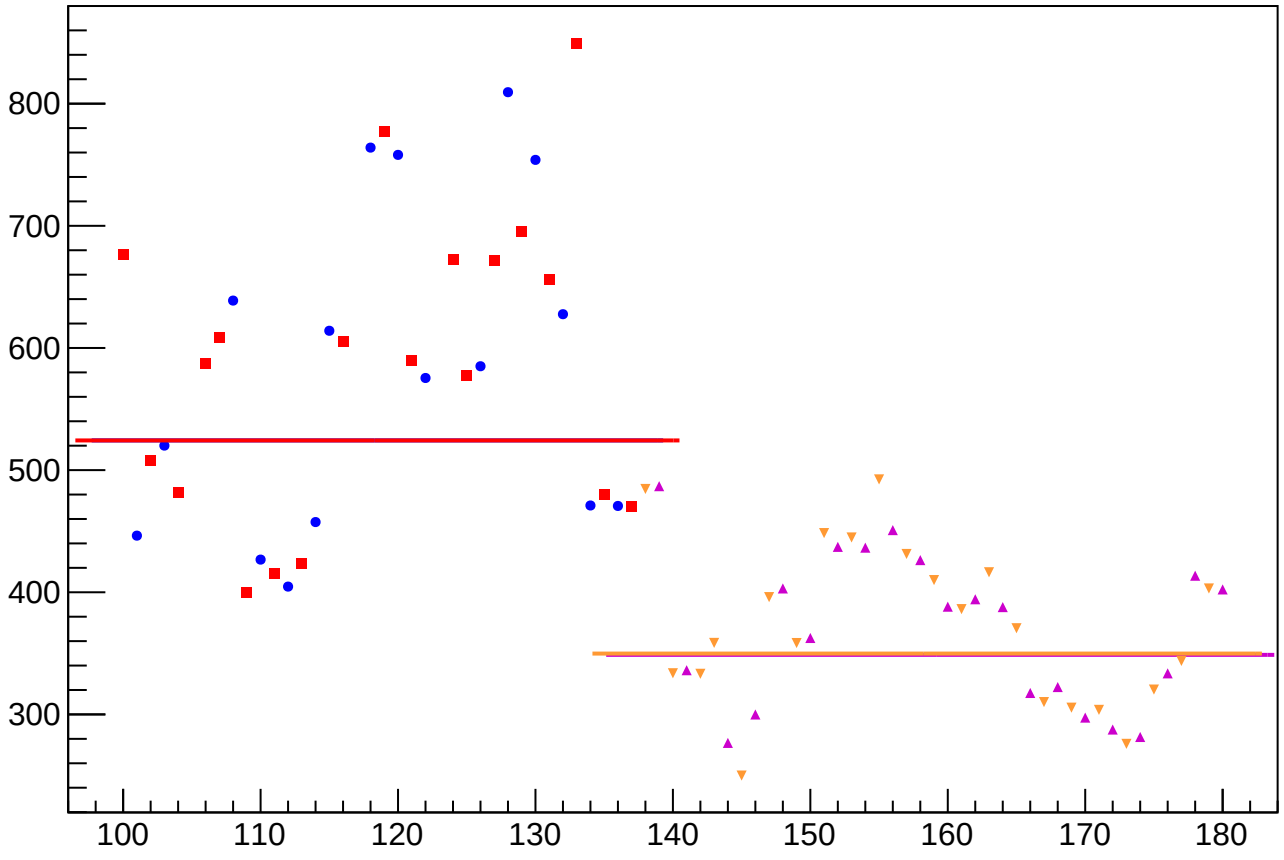
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -79.022+/-85.487 χ^2/NDF:20.1/20

+ sign -425.800+/-78.412 χ^2/NDF: 78.1/37

All: -279.999+/-55.449 χ^2/NDF: 119.1/77

- 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: 349.810+/-0.060 χ^2/NDF:1110284.0/21

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

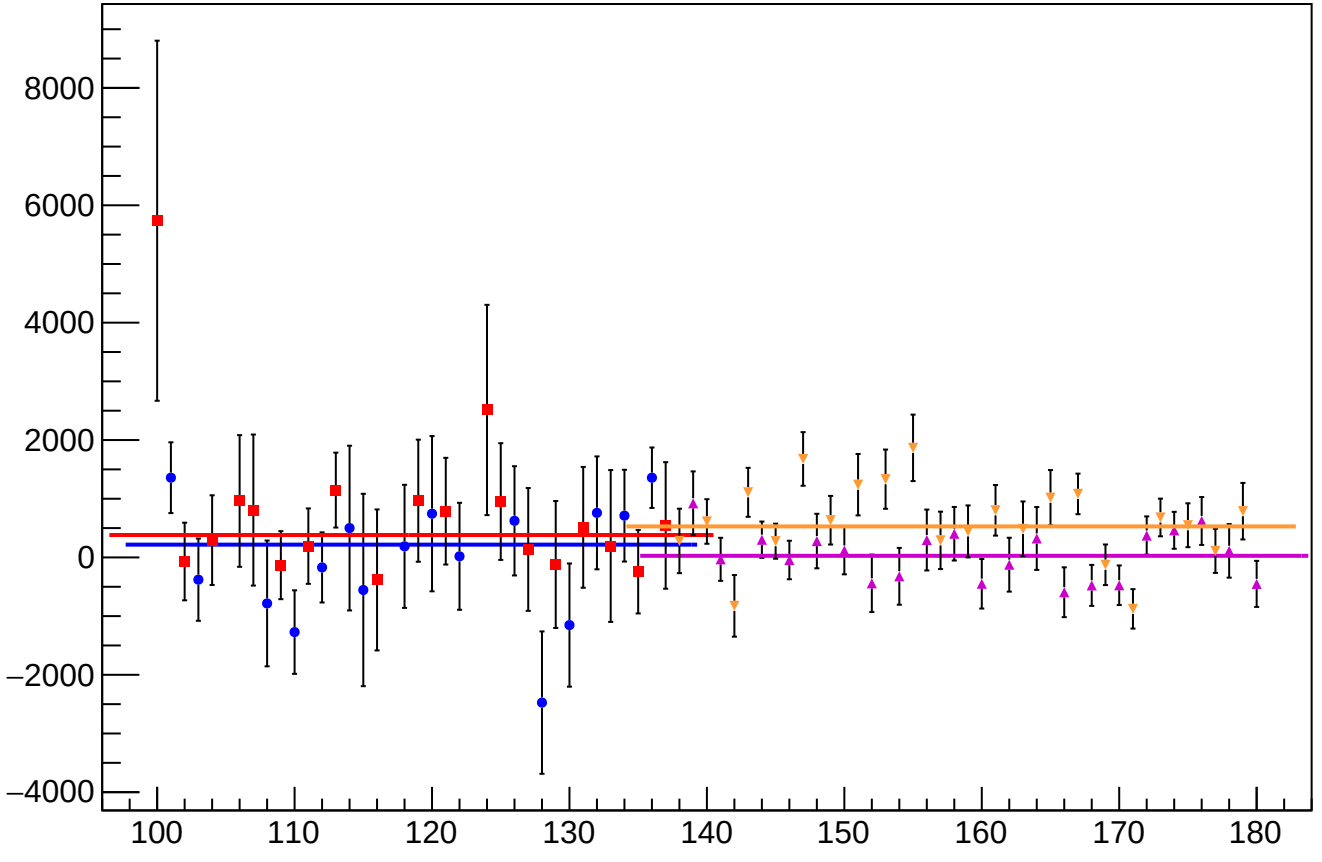
Left In: 348.755+/-0.060 χ^2/NDF:984483.0/20

+ sign 376.474+/-0.055 χ^2/NDF: 3051148.4/37

All: 376.524+/-0.039 χ^2/NDF: 6058148.1/77

- 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: 528.432+/-87.787 χ^2/NDF:53.1/21

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

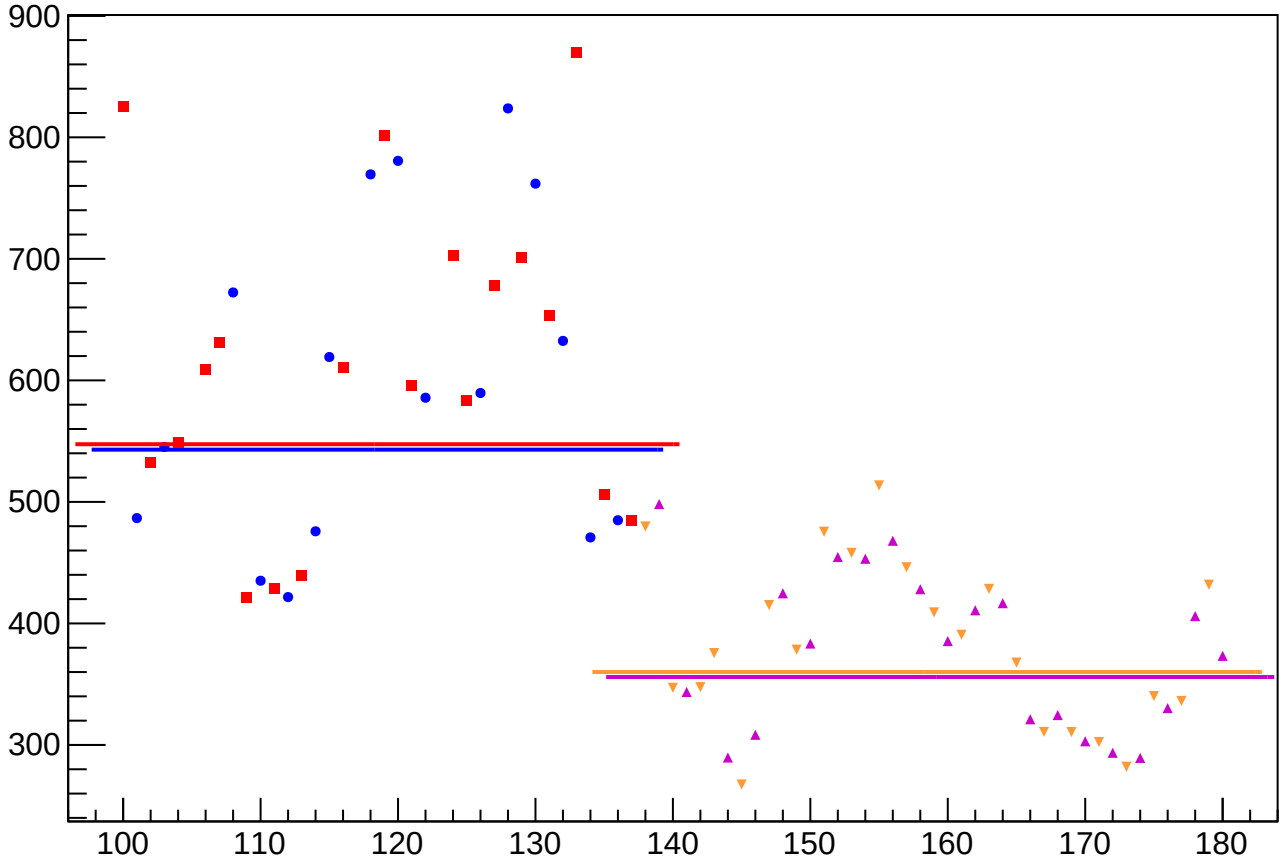
Left In: 27.627+/-87.231 χ^2/NDF:21.1/20

+ sign 481.264+/-80.849 χ^2/NDF: 77.9/37

All: 280.108+/-56.974 χ^2/NDF: 123.7/77

- 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: 360.035+/-0.062 χ^2/NDF:1102995.0/21

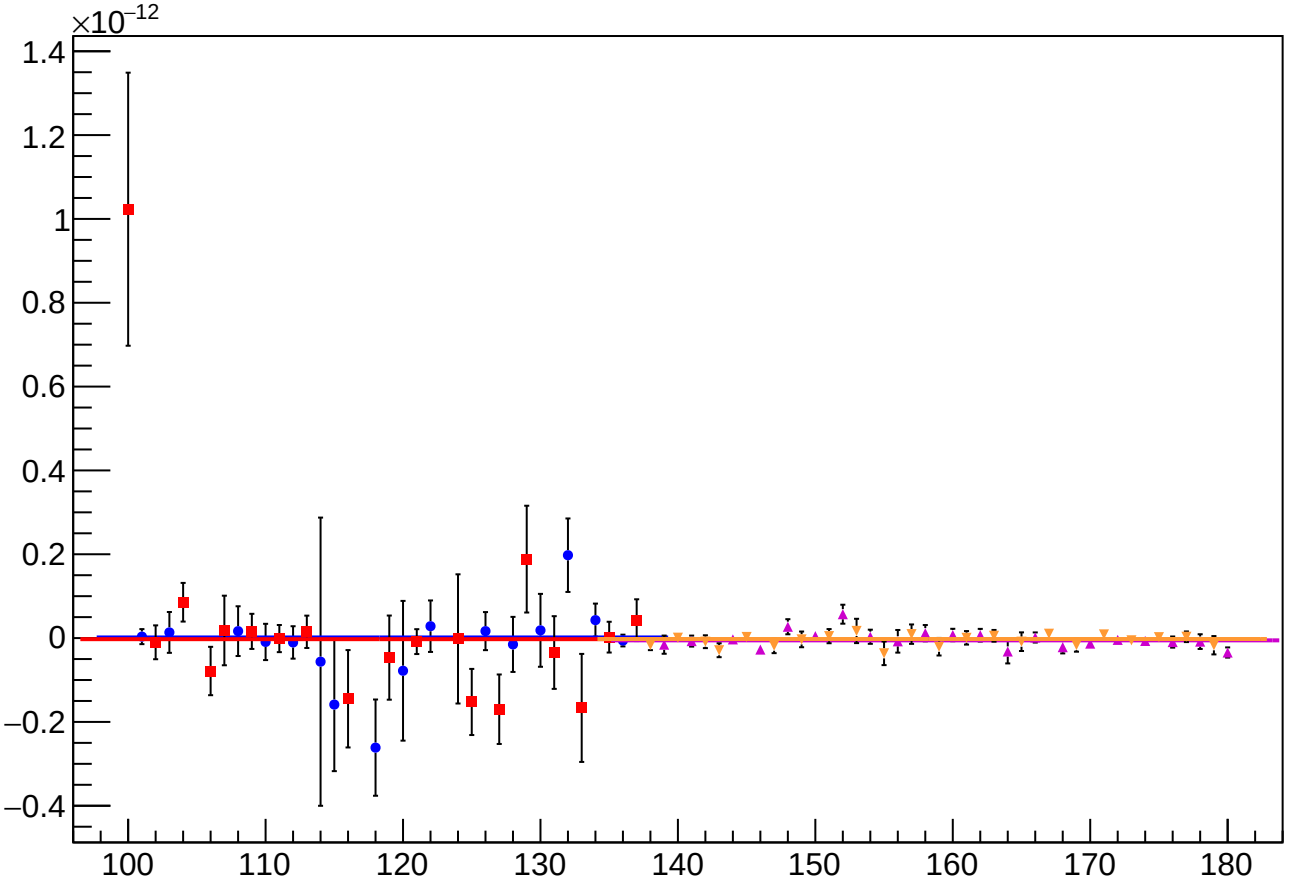
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 355.922+/-0.062 χ^2/NDF:973362.5/20

+ sign 387.813+/-0.057 χ^2/NDF: 3027223.9/37

All: 386.470+/-0.040 χ^2/NDF: 6103202.6/77

- 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:12.8/21

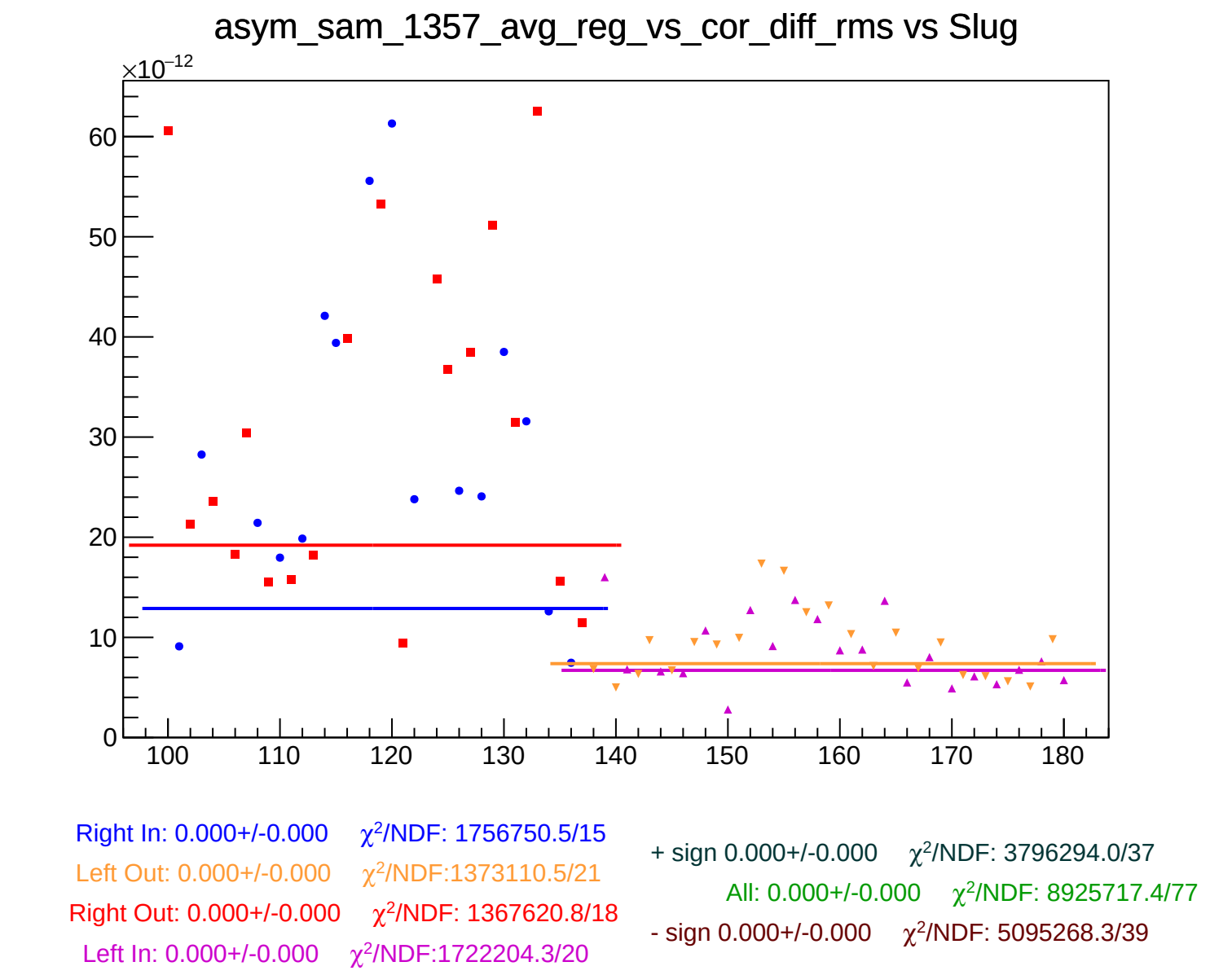
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:27.7/20

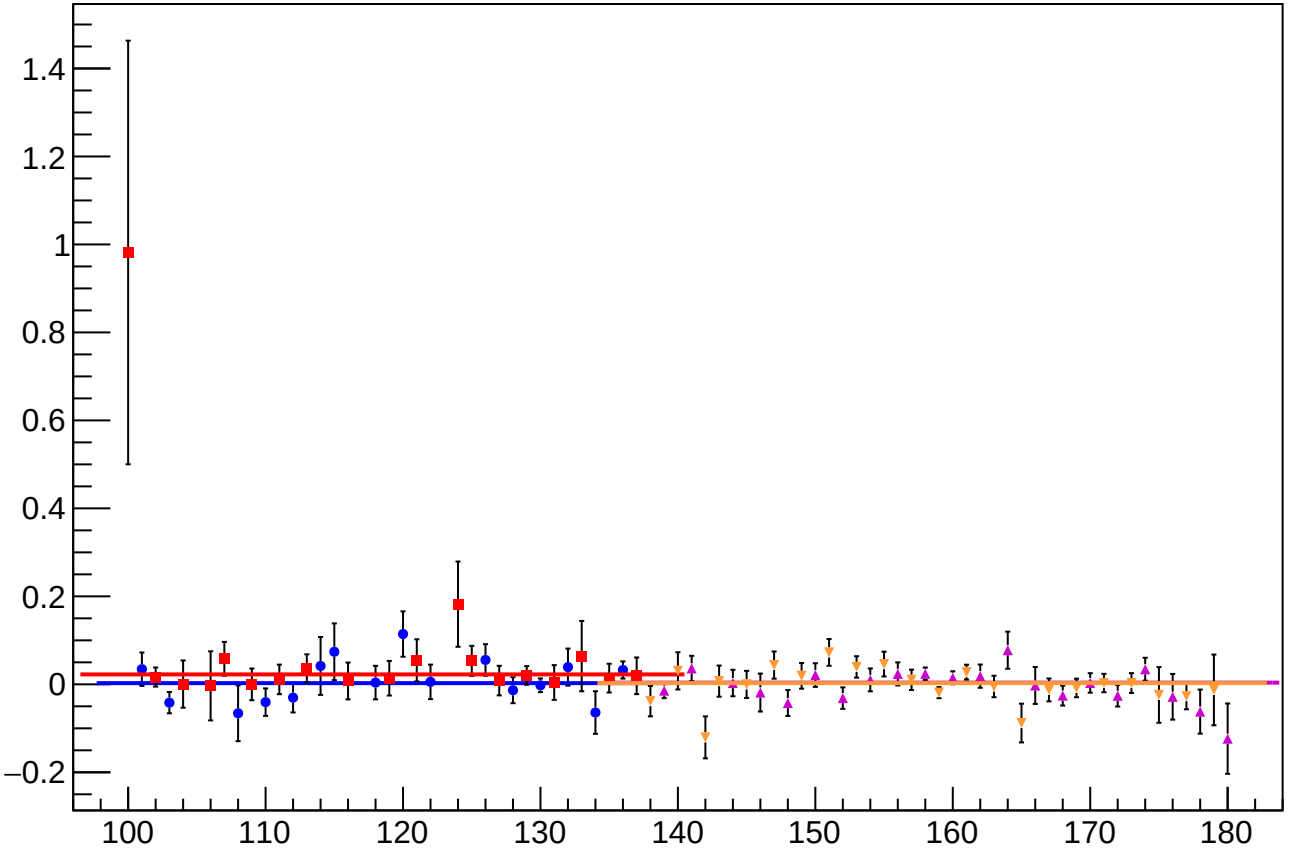
+ sign -0.000+/-0.000 χ^2/NDF: 26.5/37

All: -0.000+/-0.000 χ^2/NDF: 85.0/77

- 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:1373110.5/21
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: 3796294.0/37
All: 0.000+/-0.000 χ²/NDF: 8925717.4/77
- sign 0.000+/-0.000 χ²/NDF: 5095268.3/39

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

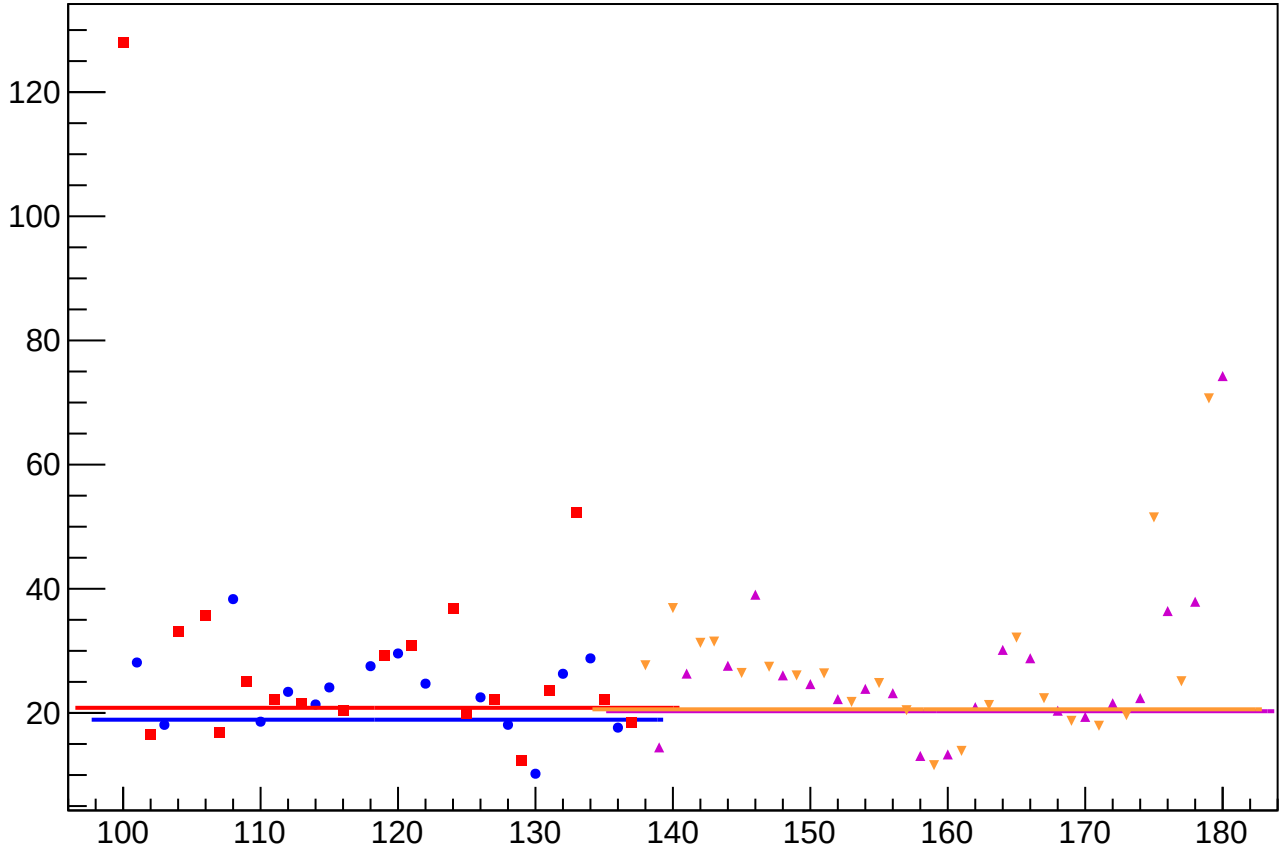
Left In: 0.004+/-0.005 χ^2/NDF:23.4/20

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/37

All: 0.006+/-0.003 χ^2/NDF: 92.6/77

- 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: 20.585+/-0.004 χ^2/NDF:3860020.7/21

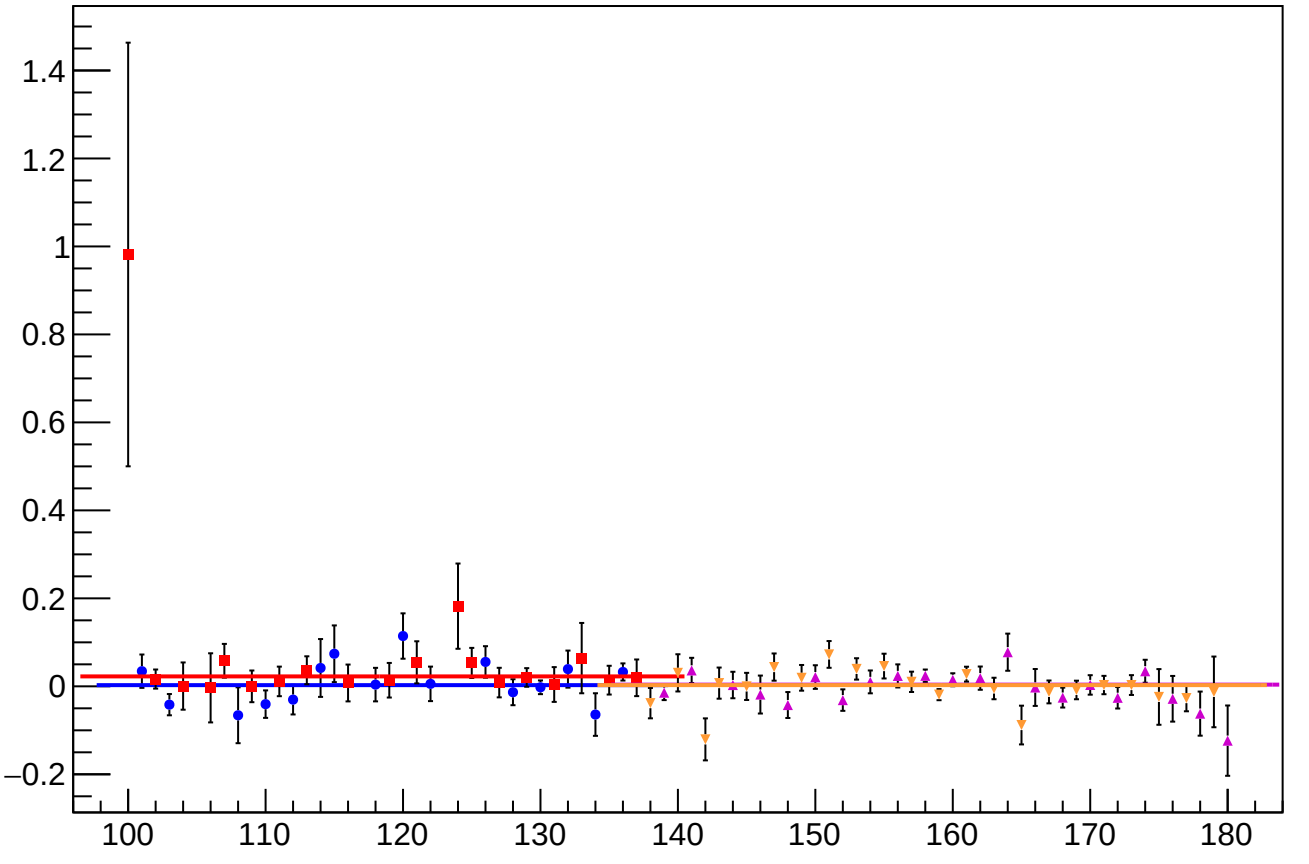
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.276+/-0.004 χ^2/NDF:3552029.1/20

\+ sign 20.032+/-0.003 χ^2/NDF: 5311933.7/37

All: 20.231+/-0.002 χ^2/NDF: 10169522.0/77

\- 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:31.9/21

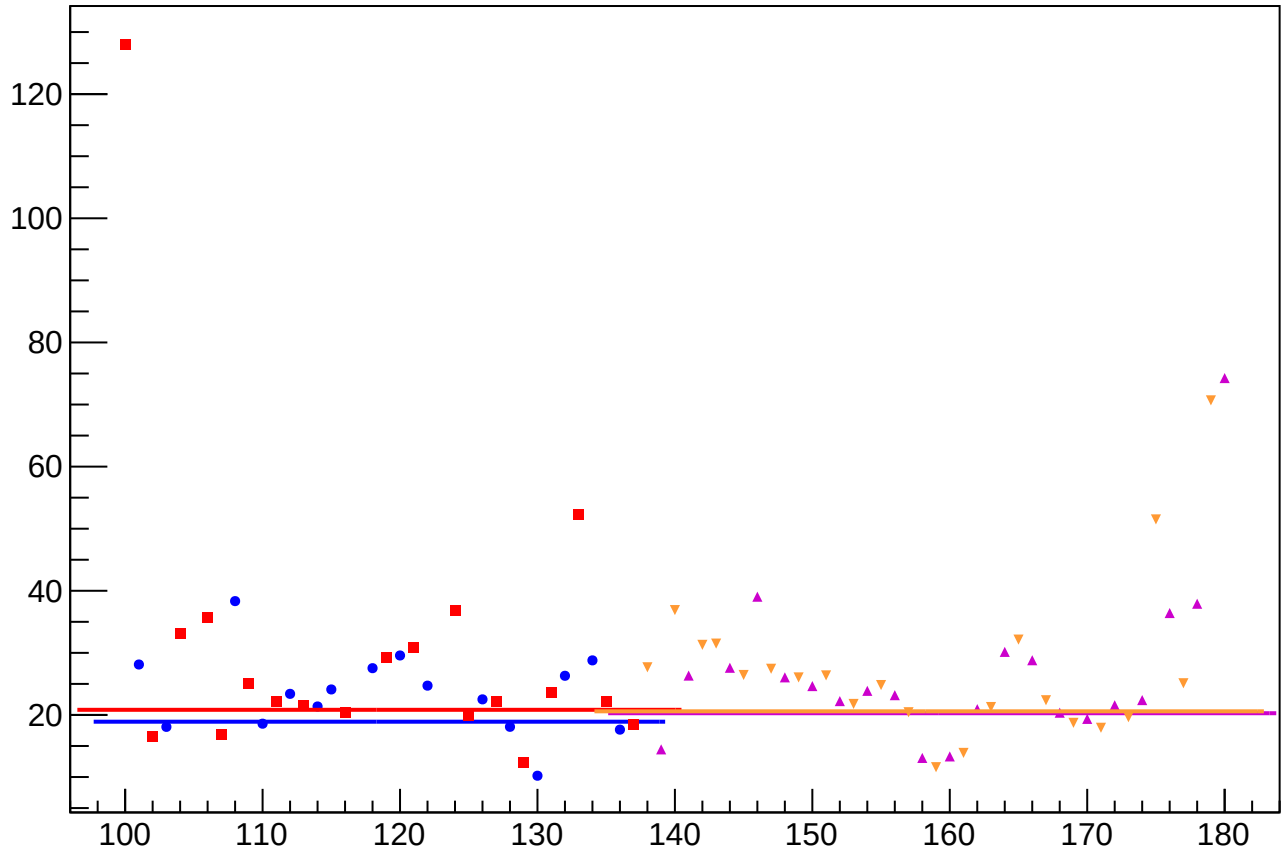
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:23.4/20

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/37

All: 0.006+/-0.003 χ^2/NDF: 92.6/77

- 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: 20.585+/-0.004 χ^2/NDF:3860020.7/21

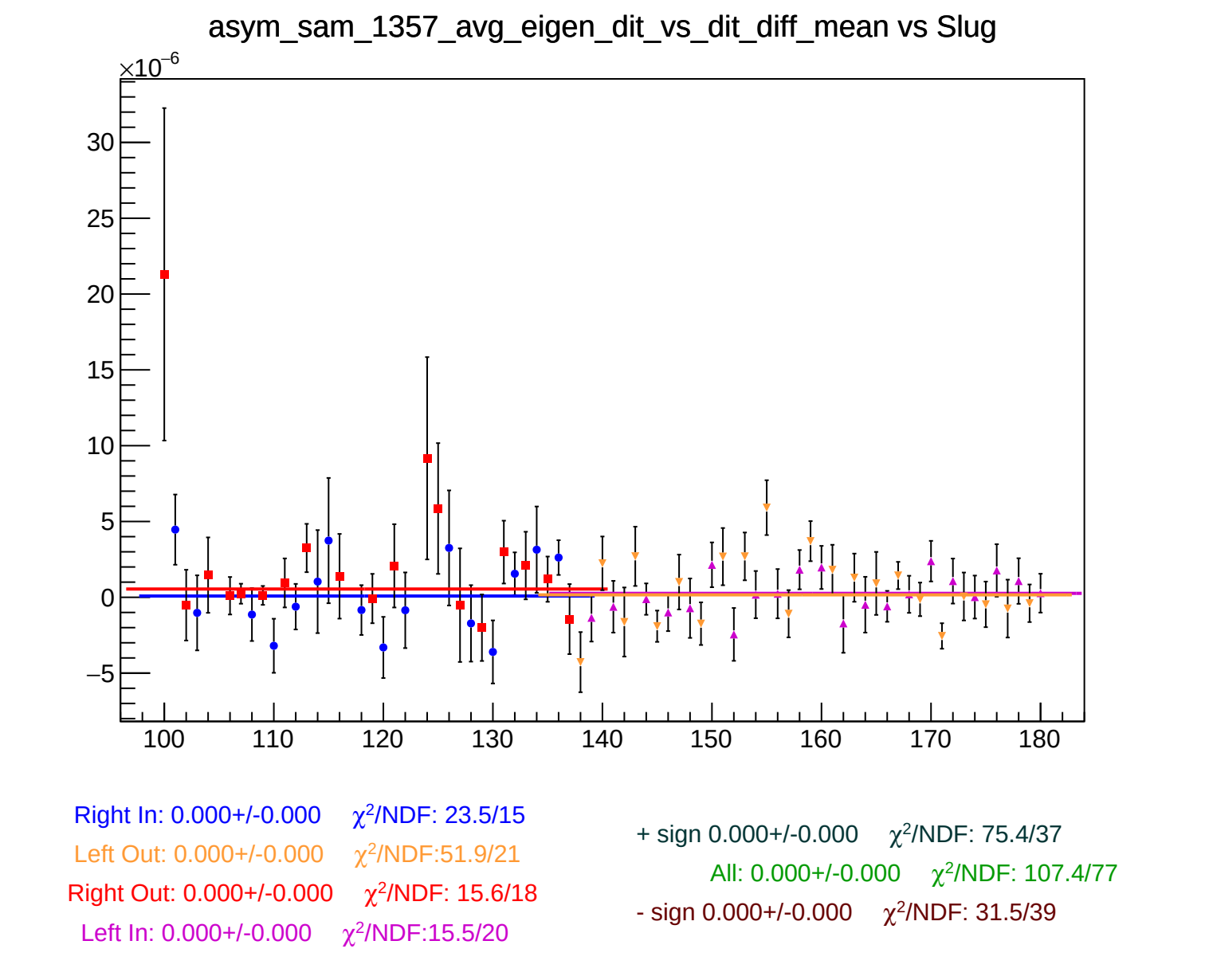
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

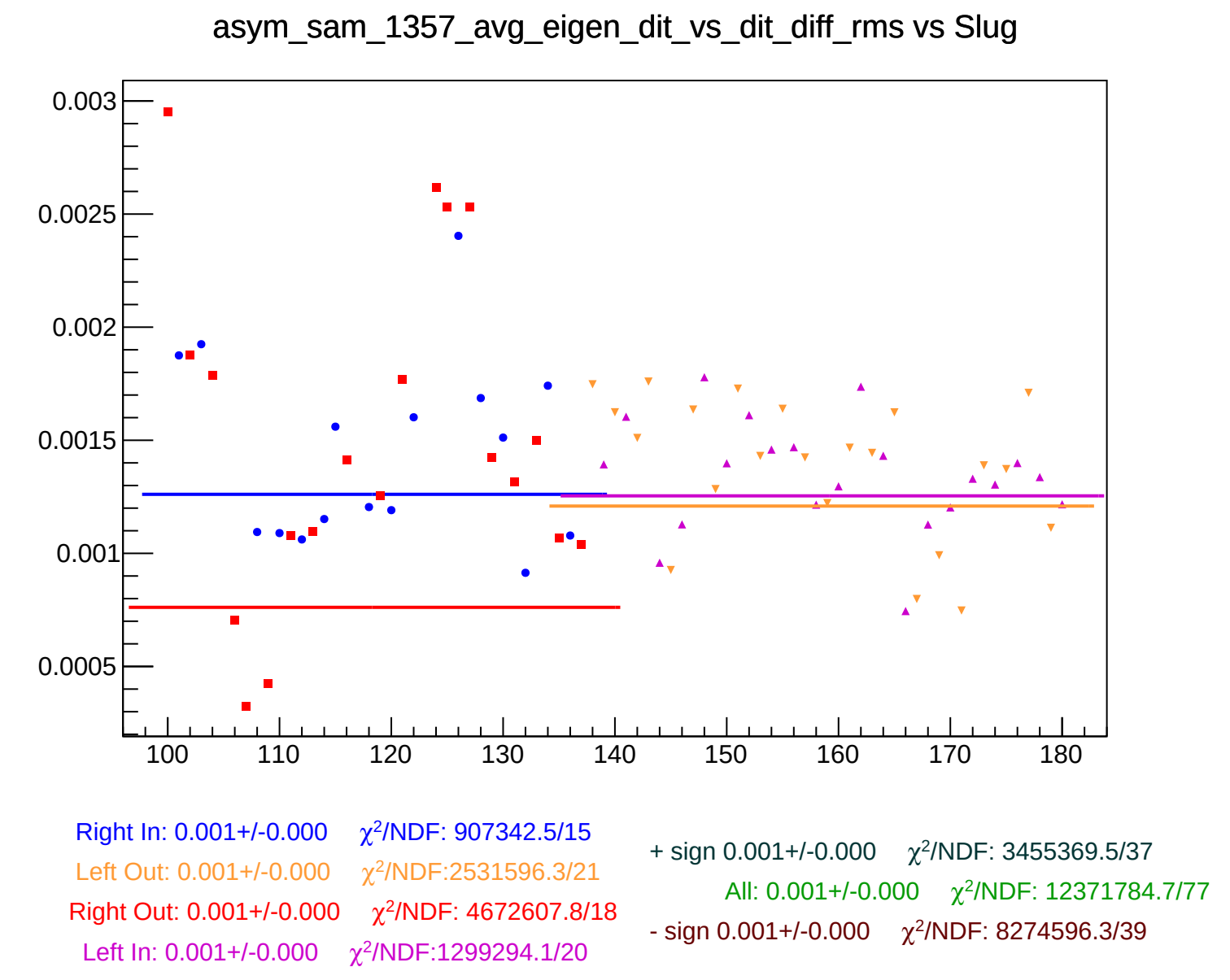
Left In: 20.276+/-0.004 χ^2/NDF:3552029.1/20

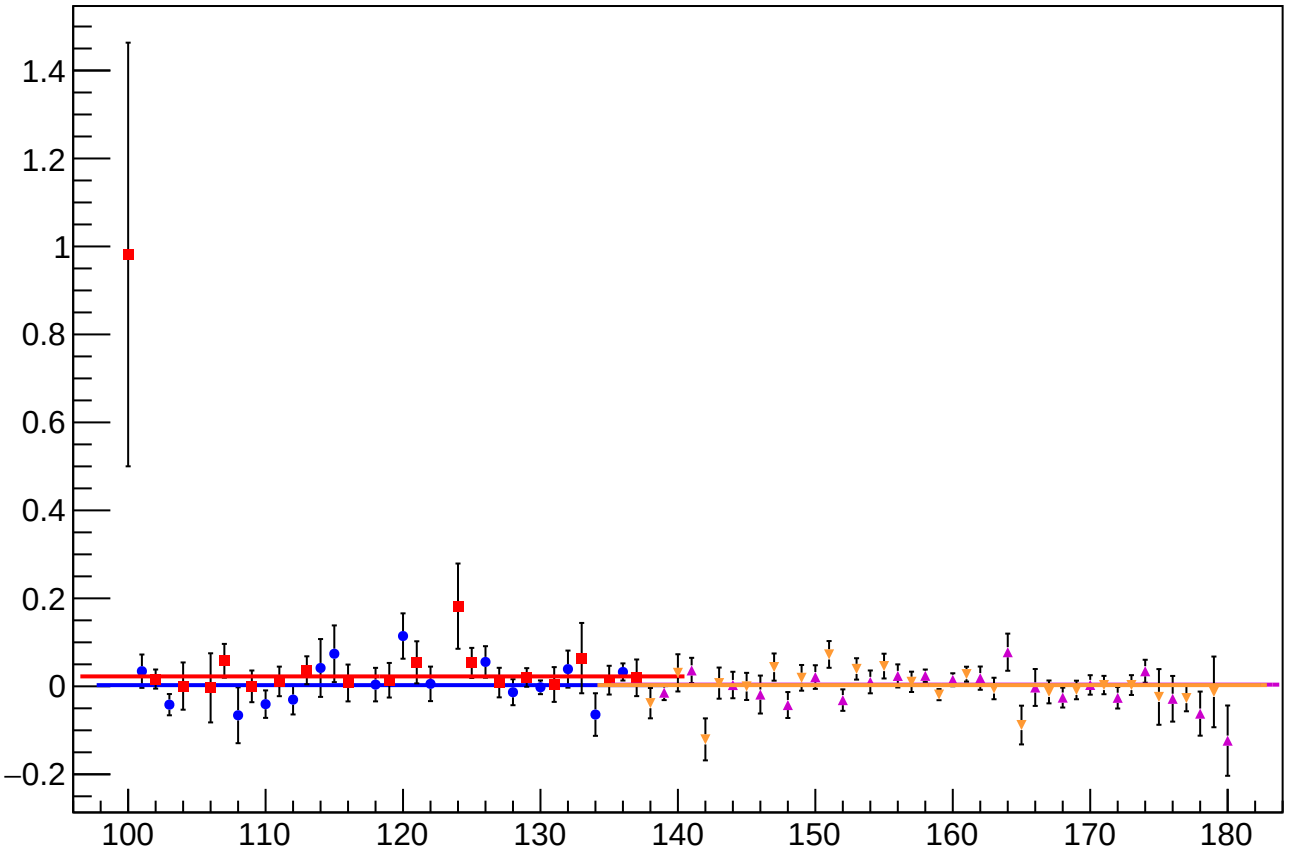
+ sign 20.032+/-0.003 χ^2/NDF: 5311933.7/37

All: 20.231+/-0.002 χ^2/NDF: 10169522.0/77

- sign 20.438+/-0.003 χ^2/NDF: 4849556.0/39


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: 0.000+/-0.000 χ²/NDF:51.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:15.5/20
+ sign 0.000+/-0.000 χ²/NDF: 75.4/37
All: 0.000+/-0.000 χ²/NDF: 107.4/77
- sign 0.000+/-0.000 χ²/NDF: 31.5/39


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:2531596.3/21
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:1299294.1/20
+ sign 0.001+/-0.000 χ²/NDF: 3455369.5/37
All: 0.001+/-0.000 χ²/NDF: 12371784.7/77
- sign 0.001+/-0.000 χ²/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:31.9/21

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

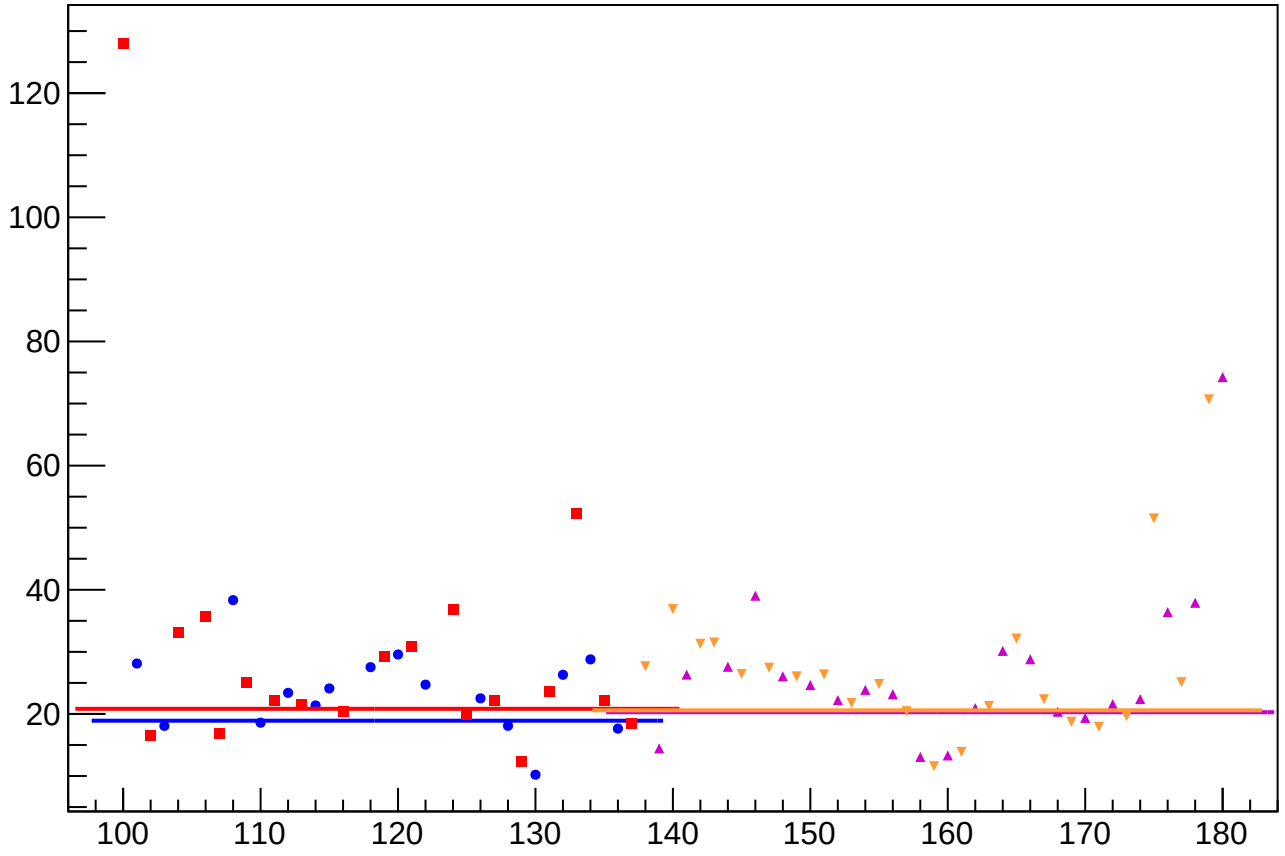
Left In: 0.004+/-0.005 χ^2/NDF:23.4/20

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/37

All: 0.006+/-0.003 χ^2/NDF: 92.6/77

- sign 0.009+/-0.005 χ^2/NDF: 37.7/39

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.585+/-0.004 χ^2/NDF:3860178.1/21

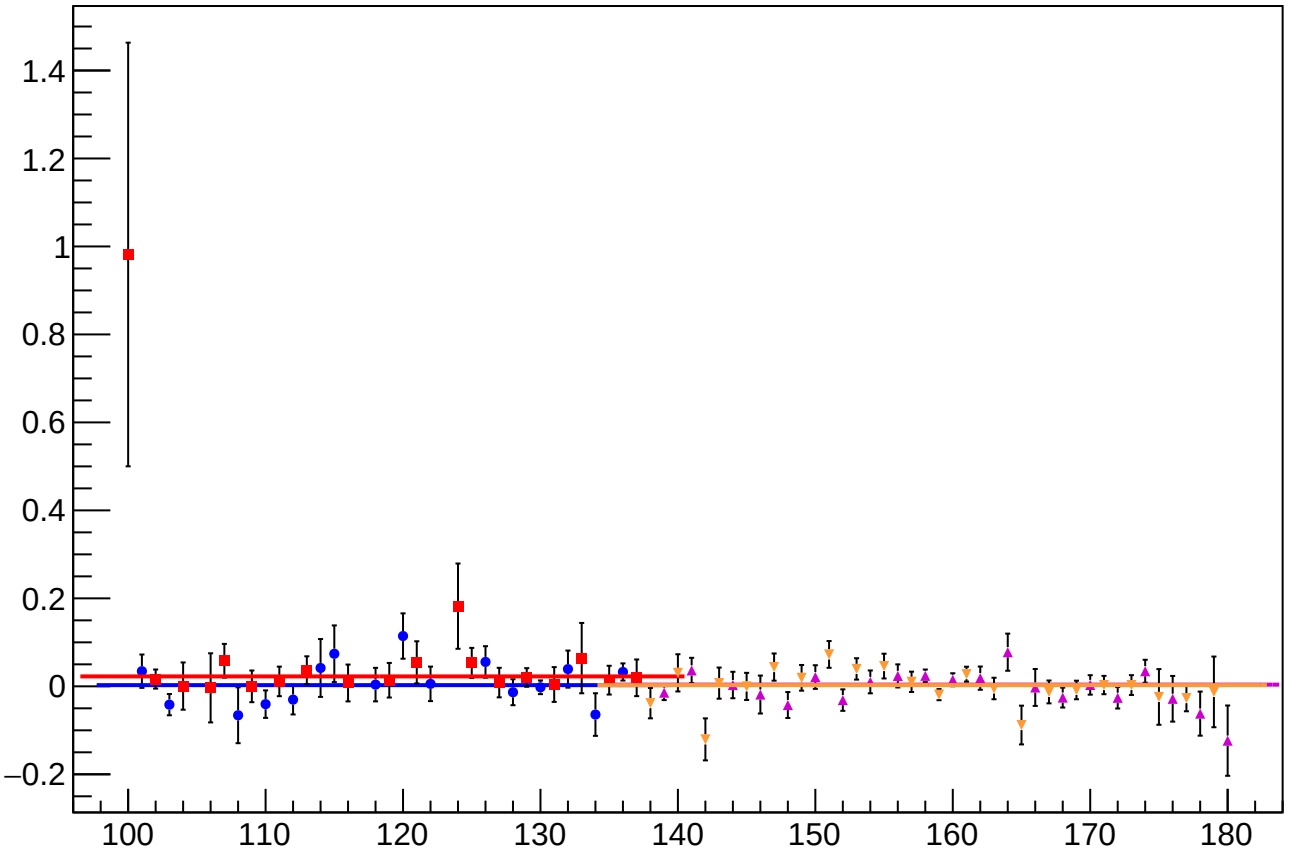
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.277+/-0.004 χ^2/NDF:3552044.8/20

+ sign 20.032+/-0.003 χ^2/NDF: 5311947.0/37

All: 20.231+/-0.002 χ^2/NDF: 10169548.5/77

- 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:31.9/21

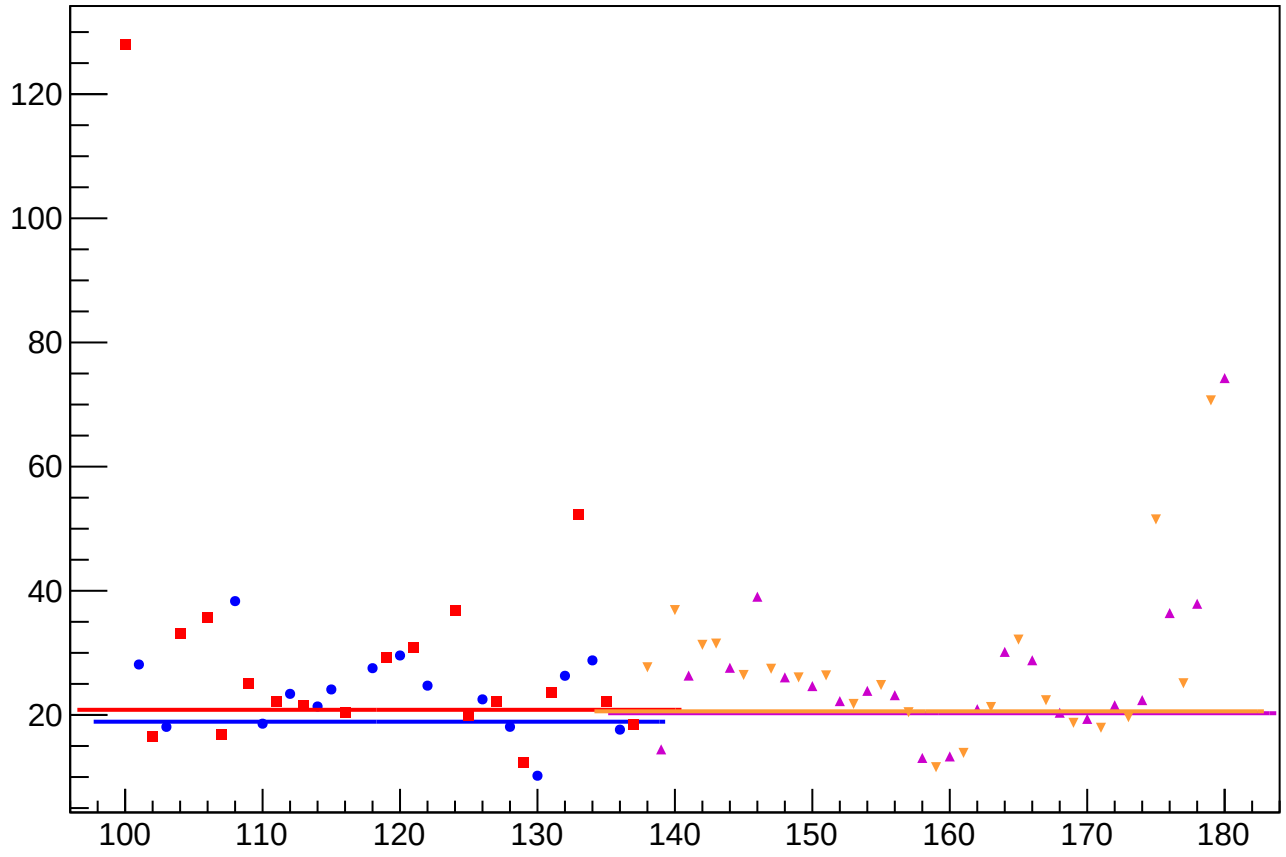
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.005 χ^2/NDF:23.4/20

+ sign 0.003+/-0.004 χ^2/NDF: 53.9/37

All: 0.006+/-0.003 χ^2/NDF: 92.6/77

- 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: 20.585+/-0.004 χ^2/NDF:3860178.1/21

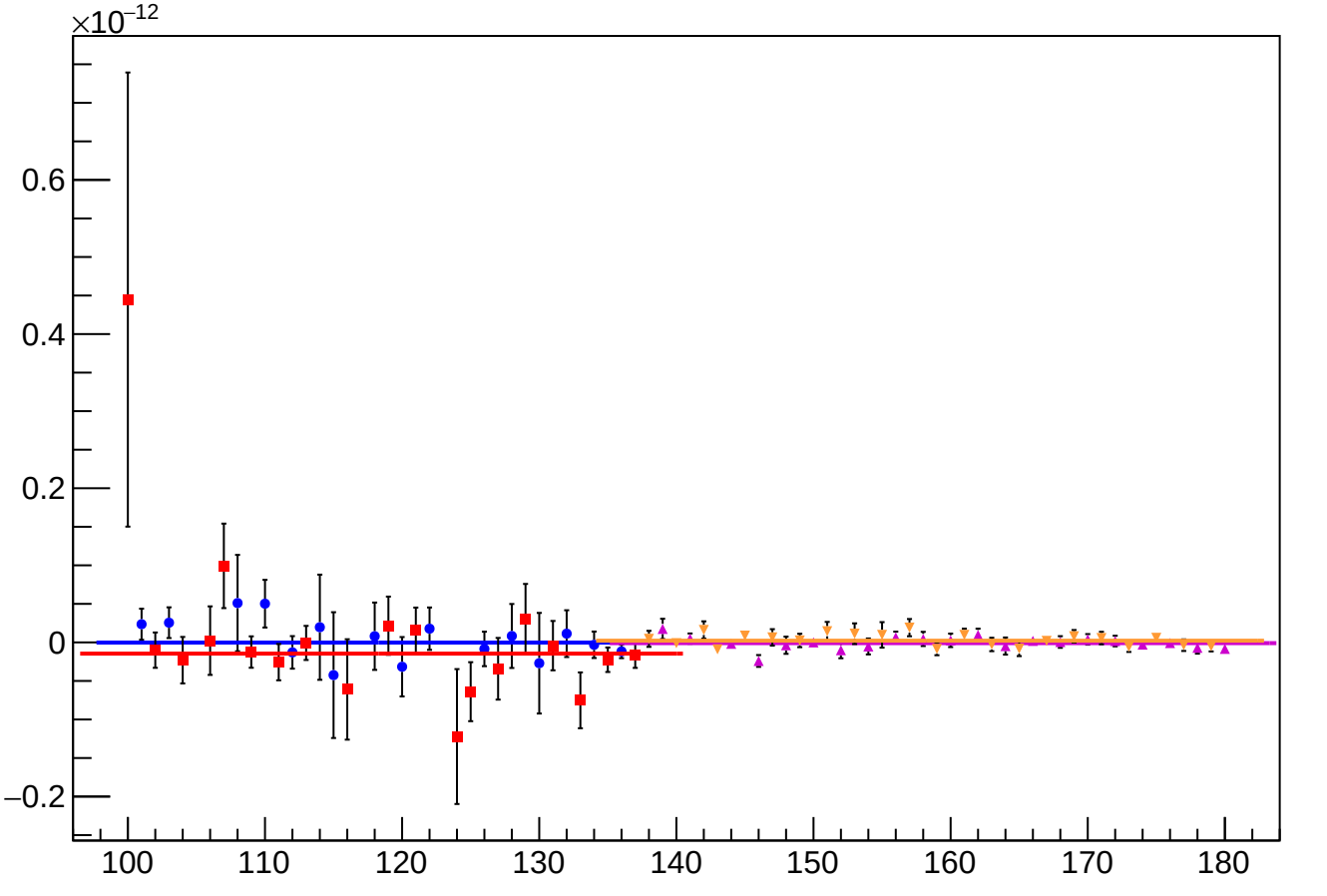
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.277+/-0.004 χ^2/NDF:3552044.8/20

+ sign 20.032+/-0.003 χ^2/NDF: 5311947.0/37

All: 20.231+/-0.002 χ^2/NDF: 10169548.5/77

- 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:19.1/21

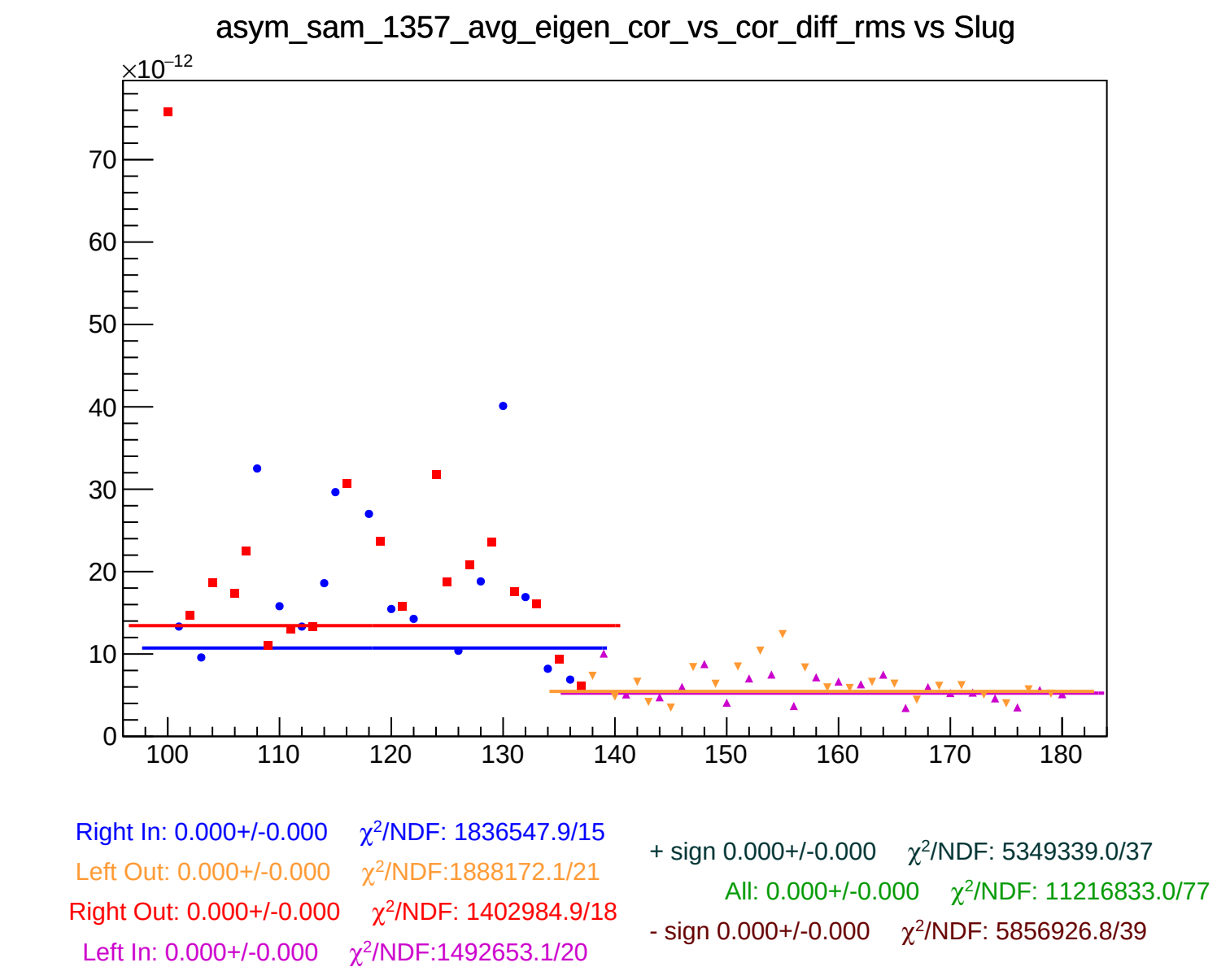
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/20

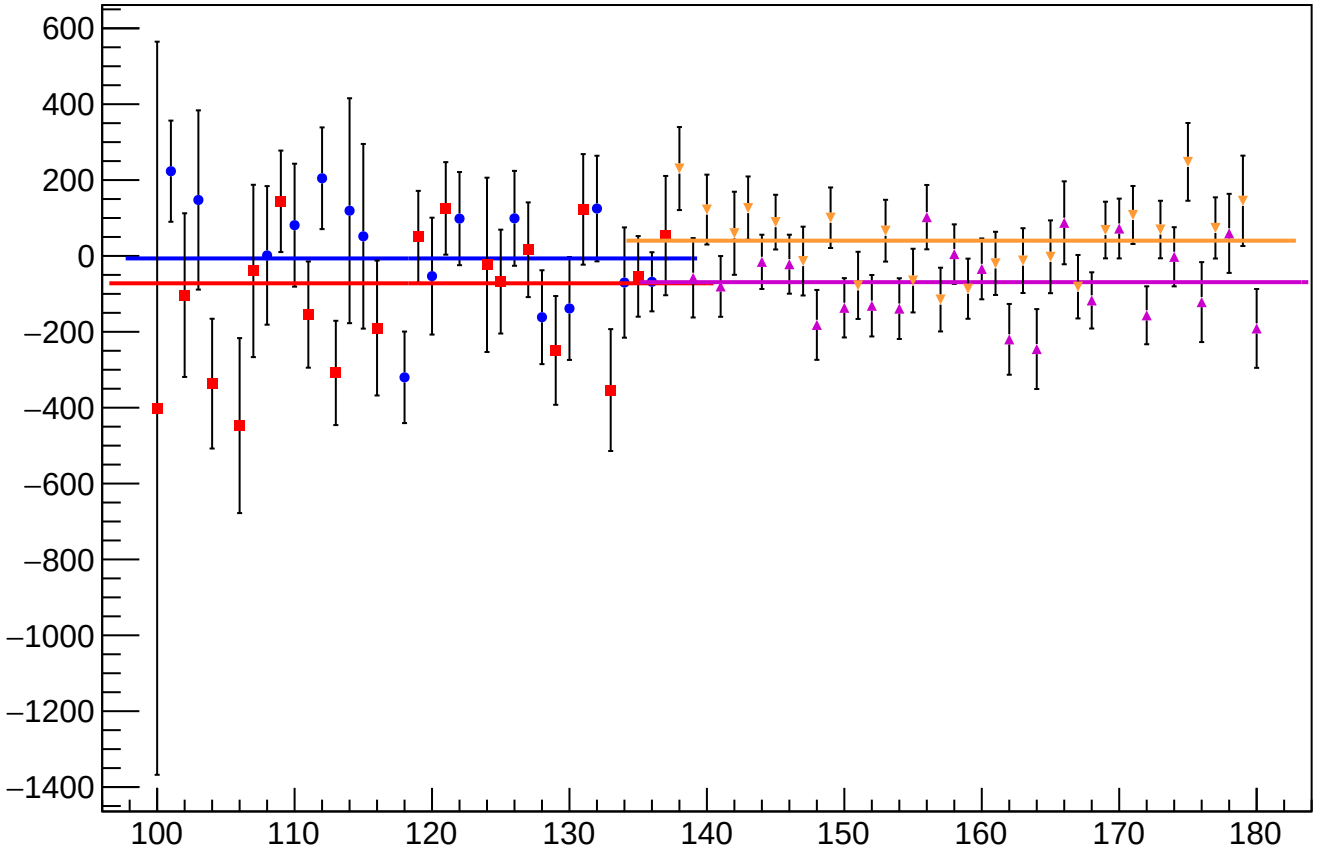
+ sign 0.000+/-0.000 χ^2/NDF: 29.8/37

All: 0.000+/-0.000 χ^2/NDF: 73.8/77

- 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:1888172.1/21
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: 5349339.0/37
All: 0.000+/-0.000 χ²/NDF: 11216833.0/77
- 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: 40.242+/-18.264 χ^2/NDF:25.0/21

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

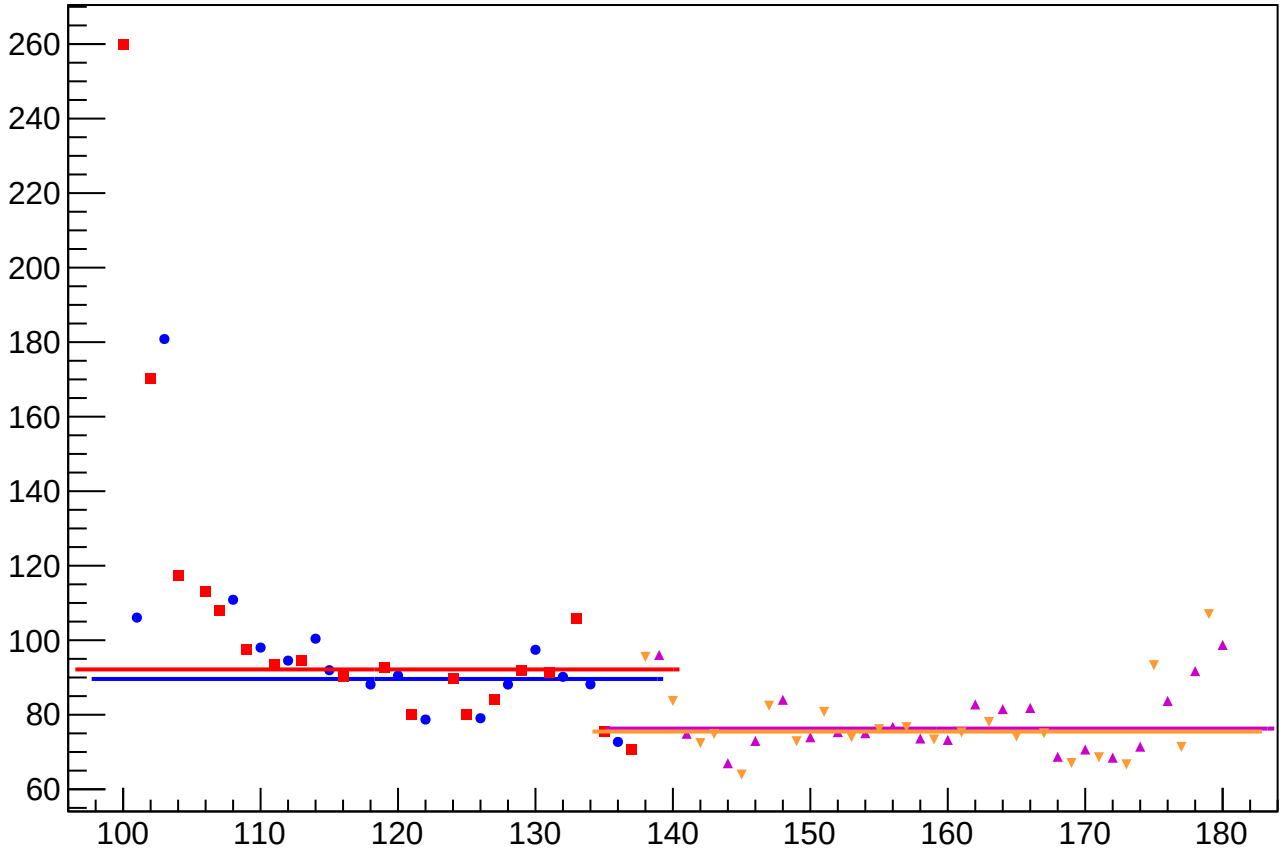
Left In: -69.130+/-18.577 χ^2/NDF:26.0/20

+ sign 29.897+/-16.120 χ^2/NDF: 45.4/37

All: -19.097+/-11.495 χ^2/NDF: 113.0/77

- 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: 75.493+/-0.013 χ^2/NDF:436356.2/21

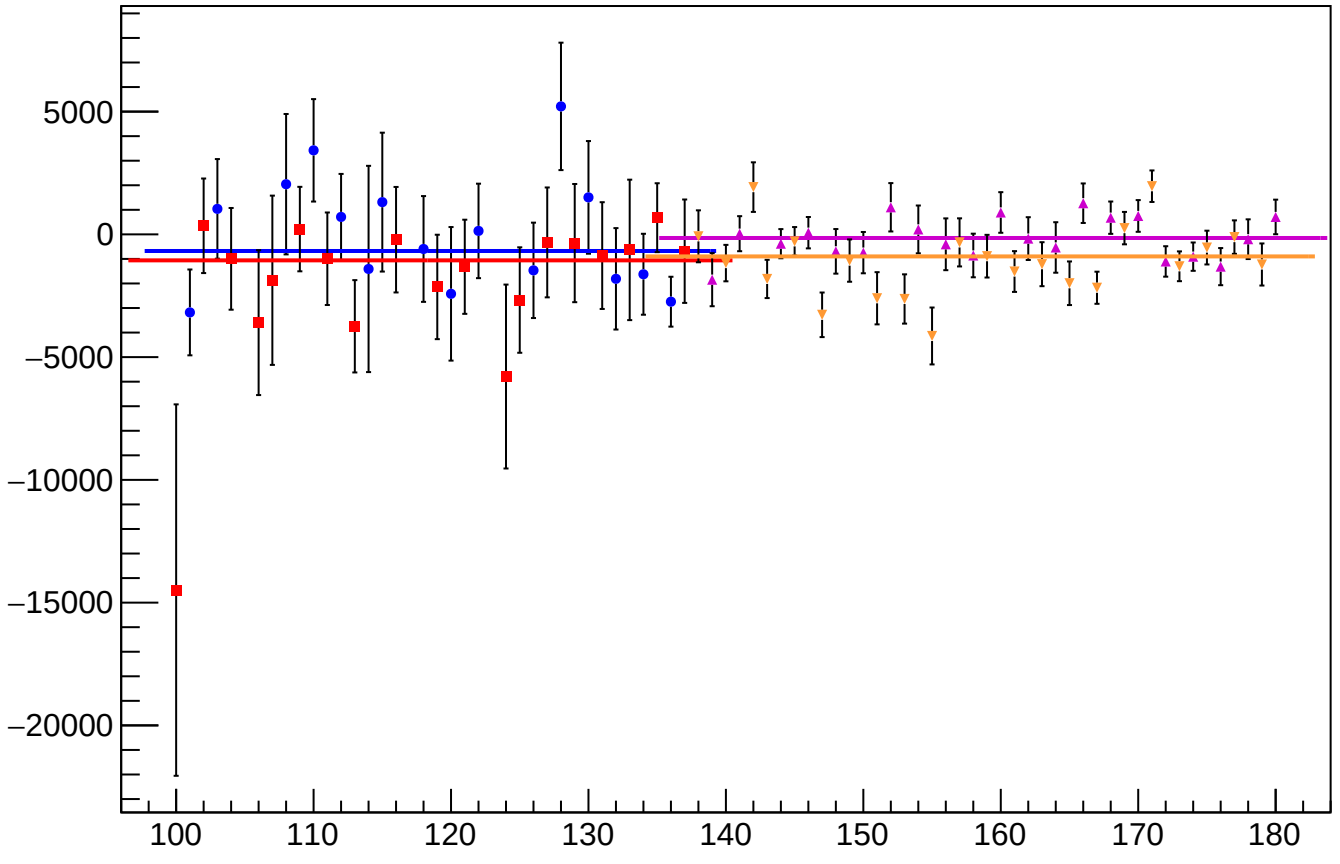
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.291+/-0.013 χ^2/NDF:357418.1/20

+ sign 78.612+/-0.011 χ^2/NDF: 1198603.0/37

All: 79.195+/-0.008 χ^2/NDF: 2425895.2/77

- 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: -898.122+/-168.533 χ^2/NDF:62.7/21

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

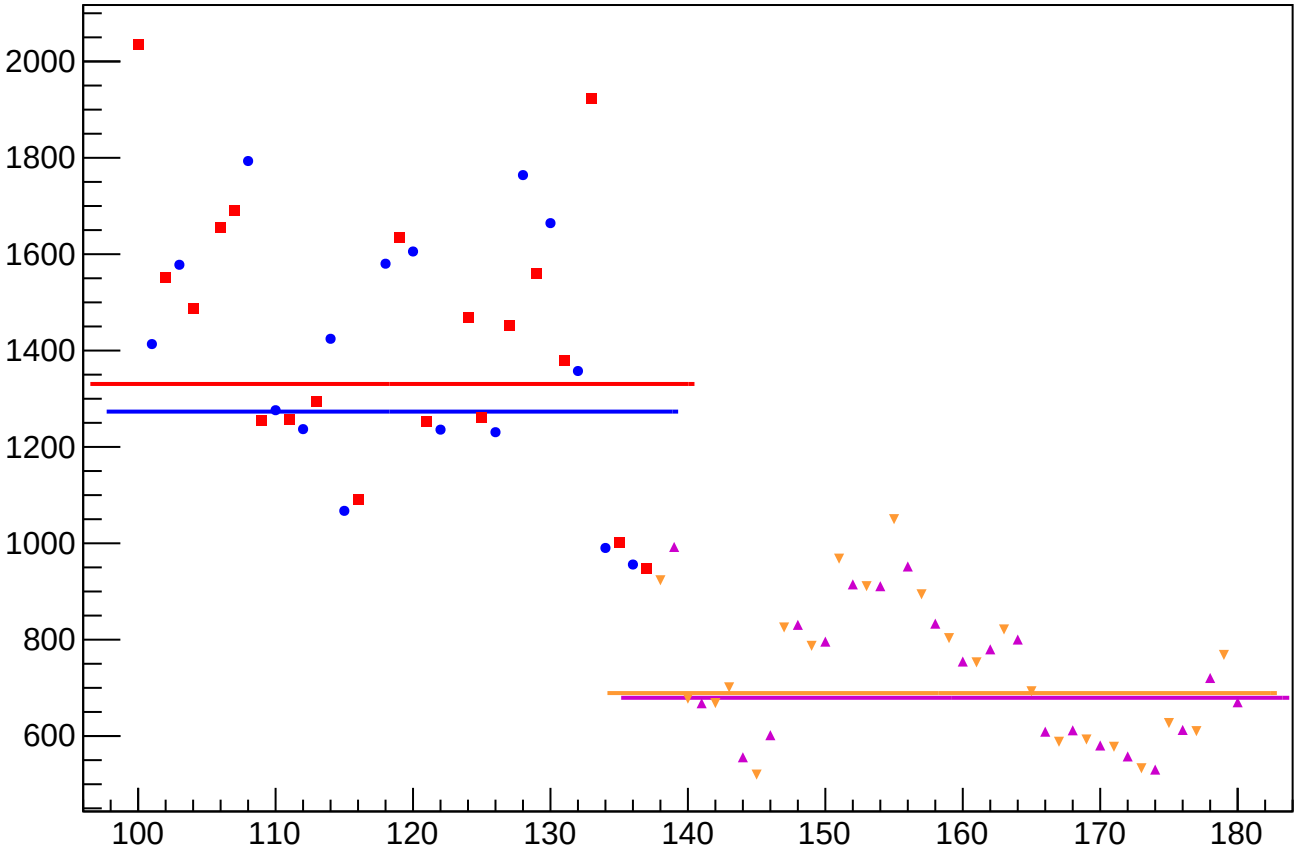
Left In: -147.722+/-167.022 χ^2/NDF:22.4/20

+ sign -874.468+/-159.248 χ^2/NDF: 83.2/37

All: -555.536+/-112.268 χ^2/NDF: 128.0/77

- 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: 689.190+/-0.119 χ^2/NDF:1289323.7/21

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

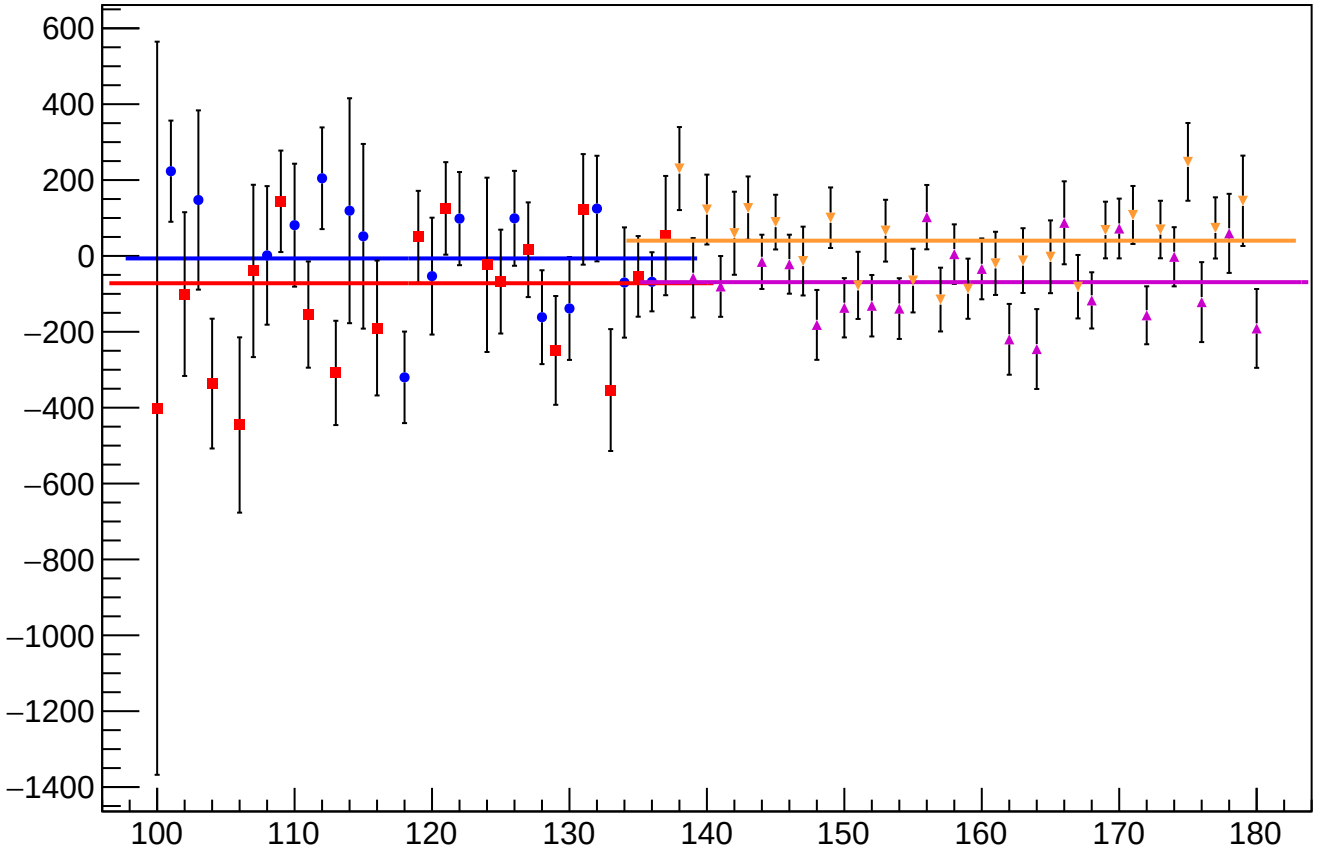
Left In: 679.402+/-0.118 χ^2/NDF:1184492.9/20

\+ sign 751.783+/-0.113 χ^2/NDF: 4461393.3/37

All: 748.697+/-0.079 χ^2/NDF: 9211264.2/77

\- 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: 40.246+/-18.264 χ^2/NDF:25.0/21

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

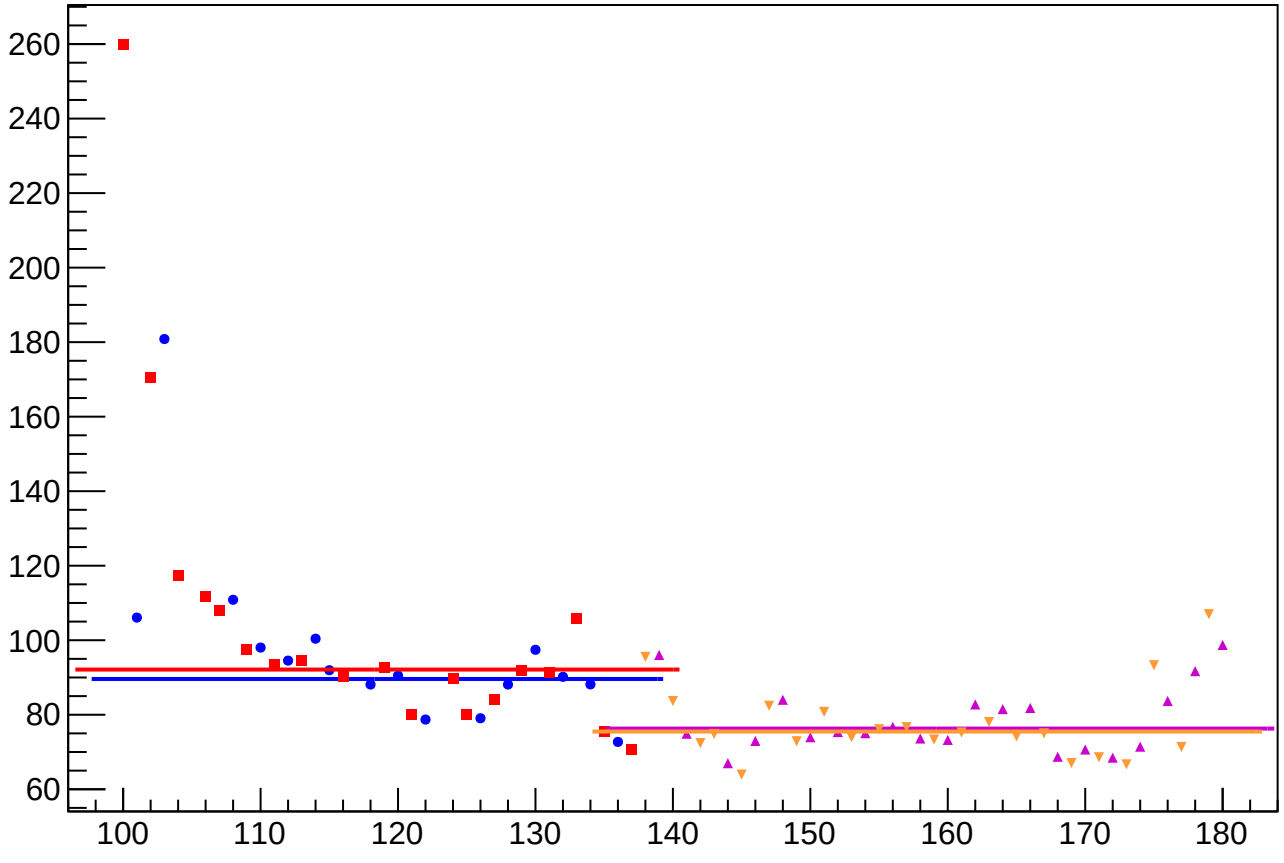
Left In: -69.130+/-18.577 χ^2/NDF:26.0/20

+ sign 29.898+/-16.120 χ^2/NDF: 45.4/37

All: -19.080+/-11.495 χ^2/NDF: 113.0/77

- 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: 75.493+/-0.013 χ^2/NDF:436356.2/21

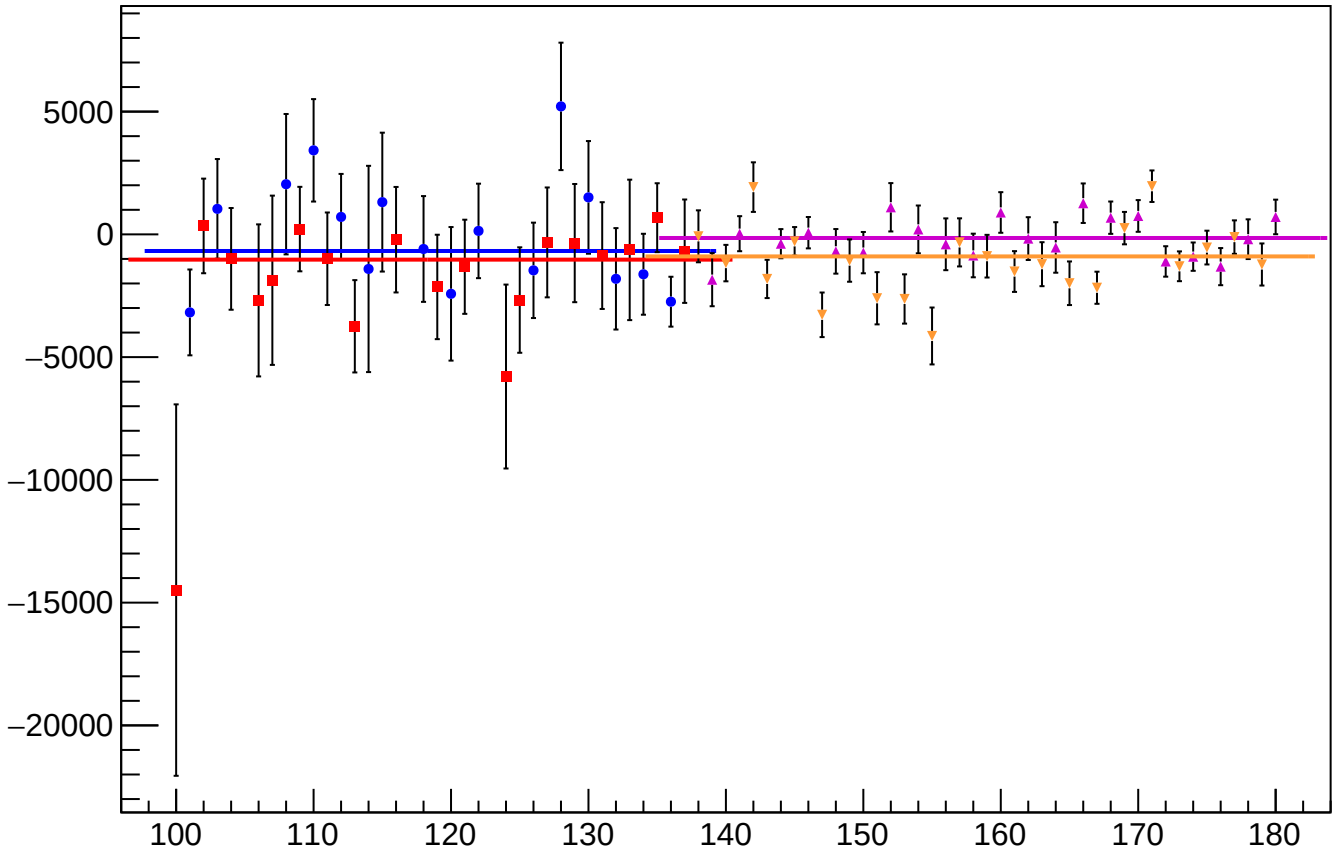
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.291+/-0.013 χ^2/NDF:357418.1/20

+ sign 78.612+/-0.011 χ^2/NDF: 1198606.5/37

All: 79.191+/-0.008 χ^2/NDF: 2422748.9/77

- 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: -898.115+/-168.533 χ^2/NDF:62.7/21

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

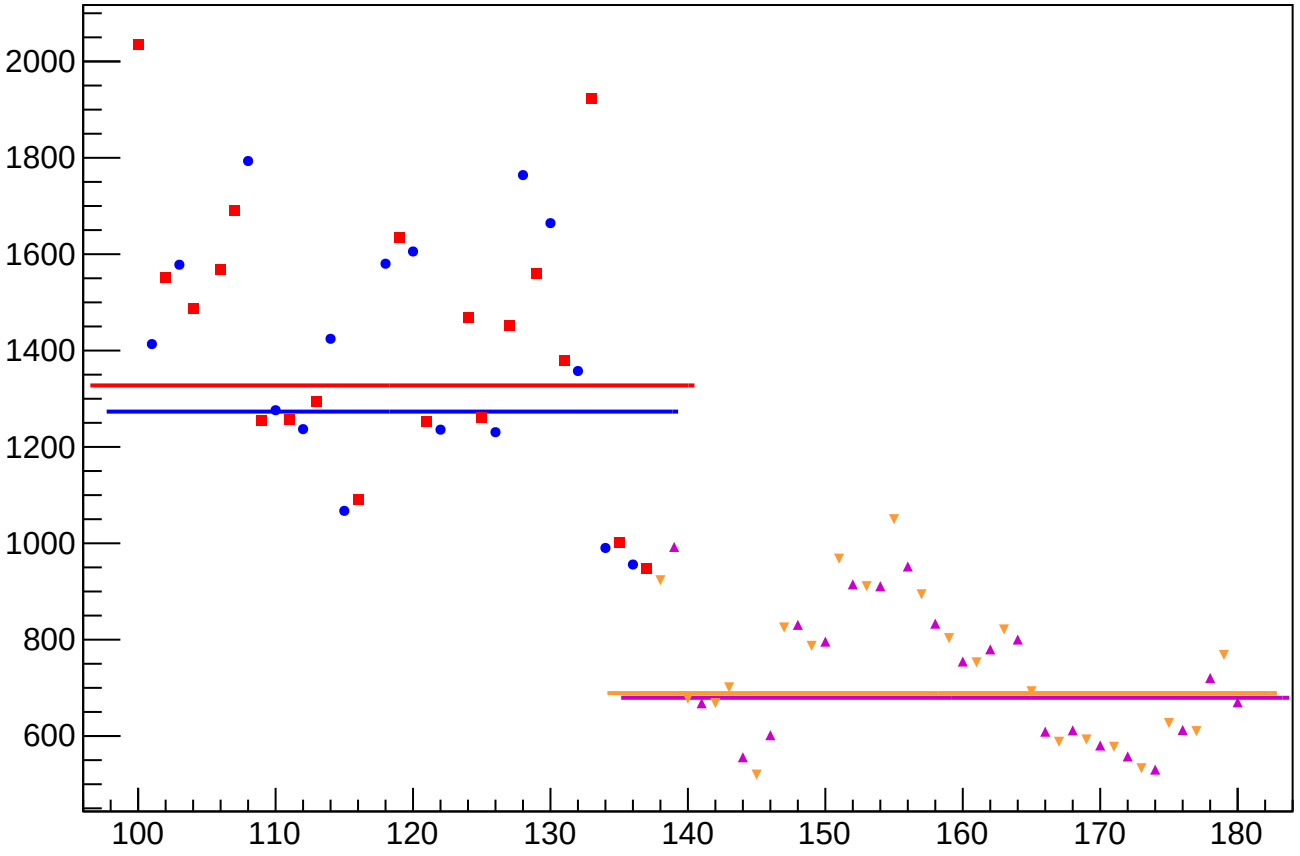
Left In: -147.721+/-167.022 χ^2/NDF:22.4/20

+ sign -874.459+/-159.248 χ^2/NDF: 83.2/37

All: -553.963+/-112.276 χ^2/NDF: 127.5/77

- 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: 689.190+/-0.119 χ^2/NDF:1289327.7/21

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

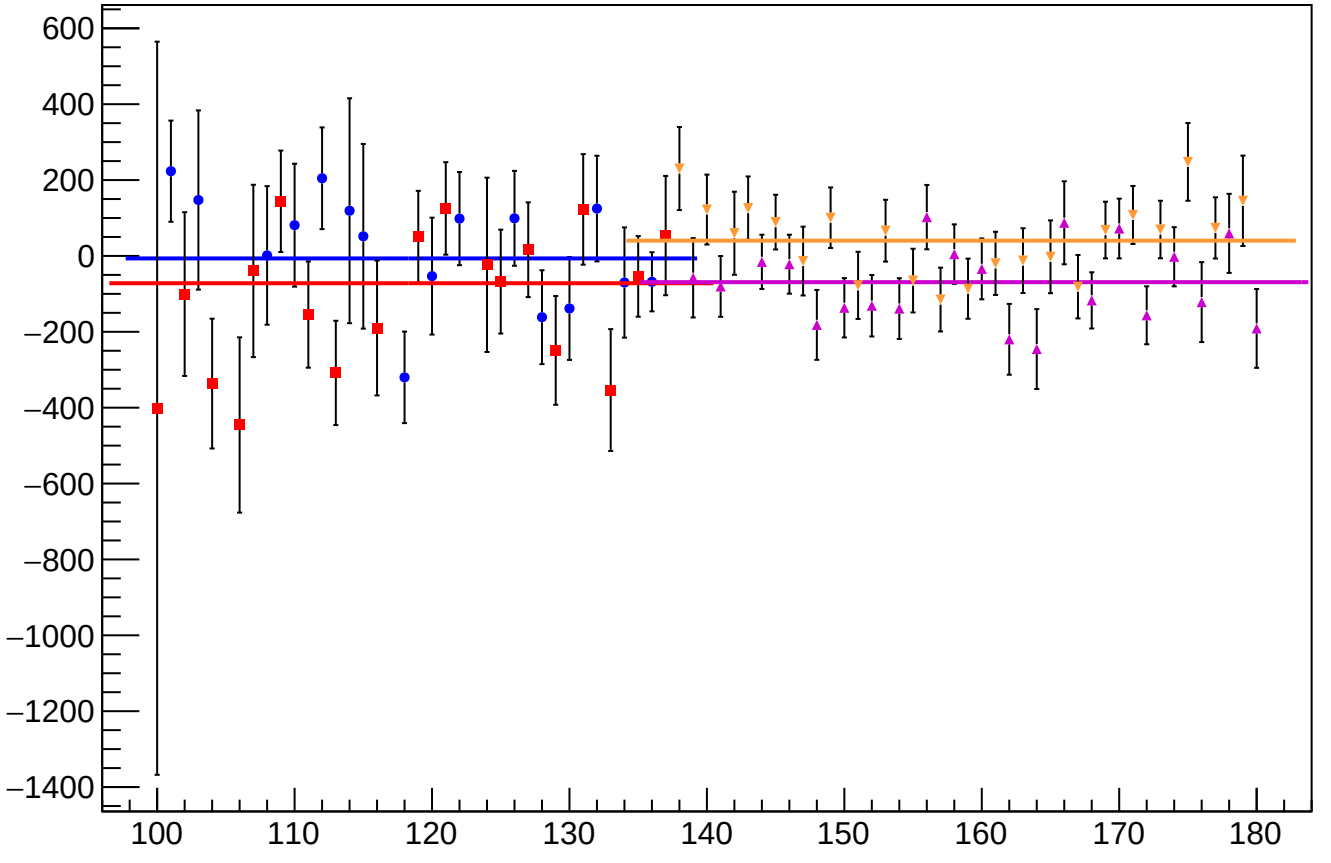
Left In: 679.402+/-0.118 χ^2/NDF:1184491.0/20

\+ sign 751.783+/-0.113 χ^2/NDF: 4461440.5/37

All: 748.463+/-0.079 χ^2/NDF: 9163284.2/77

\- sign 745.181+/-0.112 χ^2/NDF: 4700114.9/39

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 40.246+/-18.264 χ^2/NDF:25.0/21

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

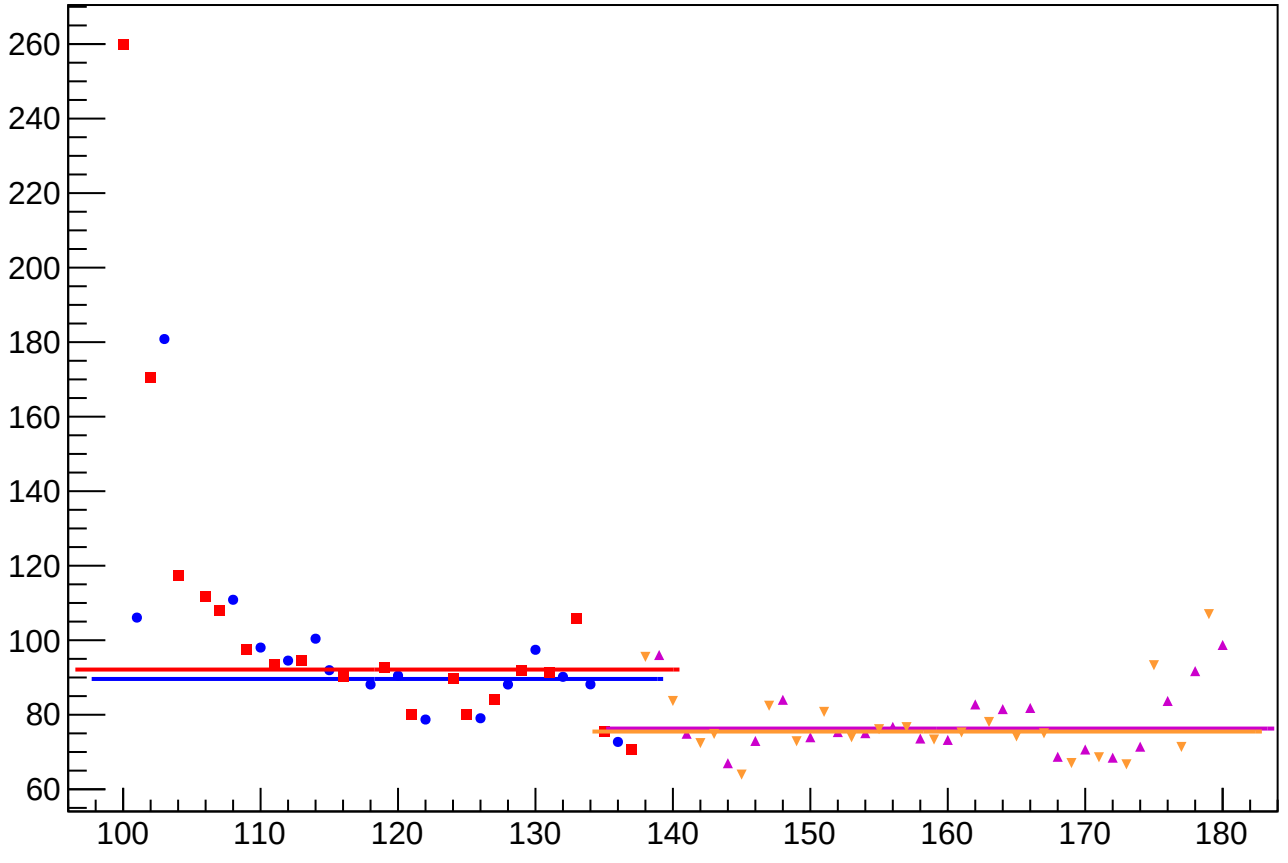
Left In: -69.130+/-18.577 χ^2/NDF:26.0/20

+ sign 29.898+/-16.120 χ^2/NDF: 45.4/37

All: -19.080+/-11.495 χ^2/NDF: 113.0/77

- 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: 75.493+/-0.013 χ^2/NDF:436356.2/21

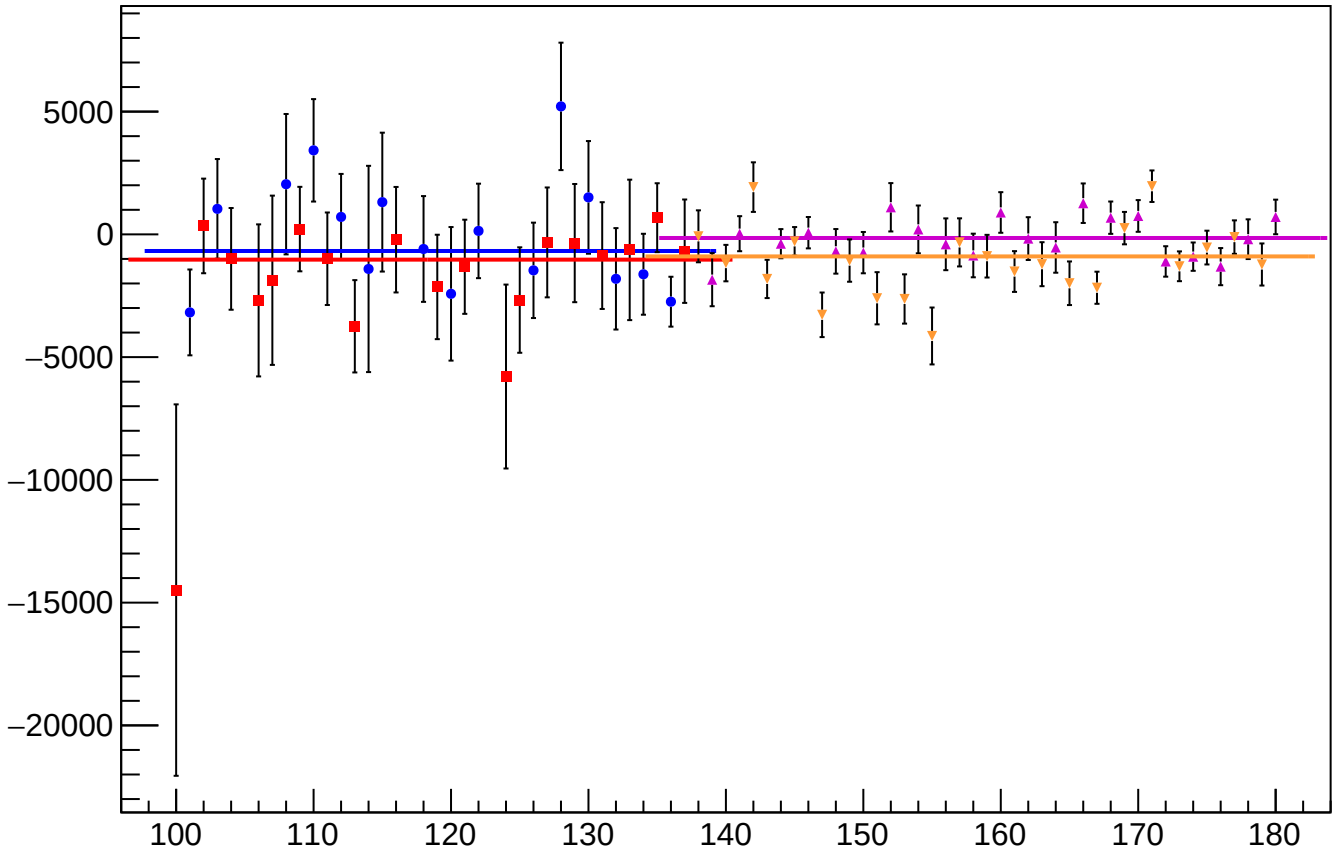
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.291+/-0.013 χ^2/NDF:357418.1/20

+ sign 78.612+/-0.011 χ^2/NDF: 1198606.5/37

All: 79.191+/-0.008 χ^2/NDF: 2422748.9/77

- 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: -898.115+/-168.533 χ^2/NDF:62.7/21

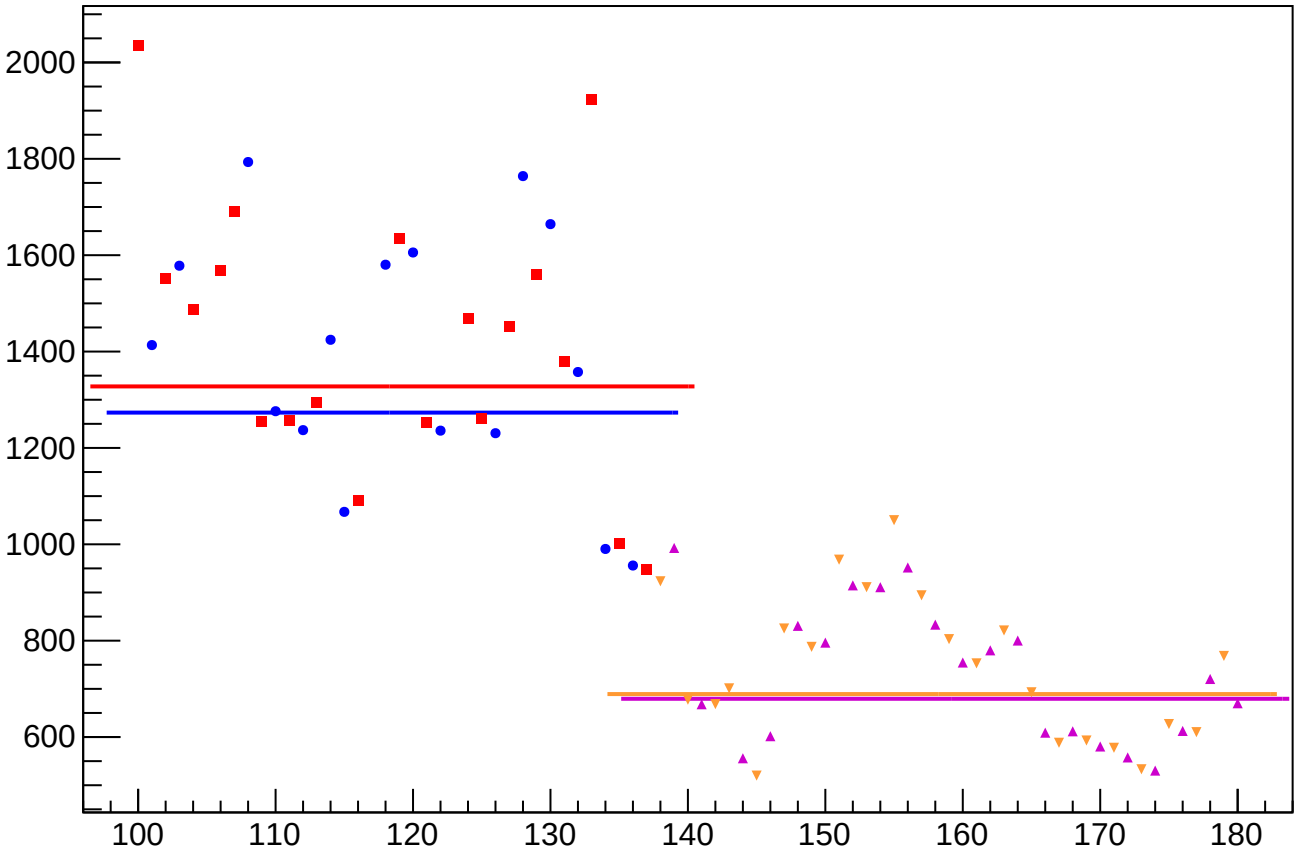
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -147.721+/-167.022 χ^2/NDF:22.4/20

+ sign -874.459+/-159.248 χ^2/NDF: 83.2/37

All: -553.963+/-112.276 χ^2/NDF: 127.5/77

- 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: 689.190+/-0.119 χ^2/NDF:1289327.7/21

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

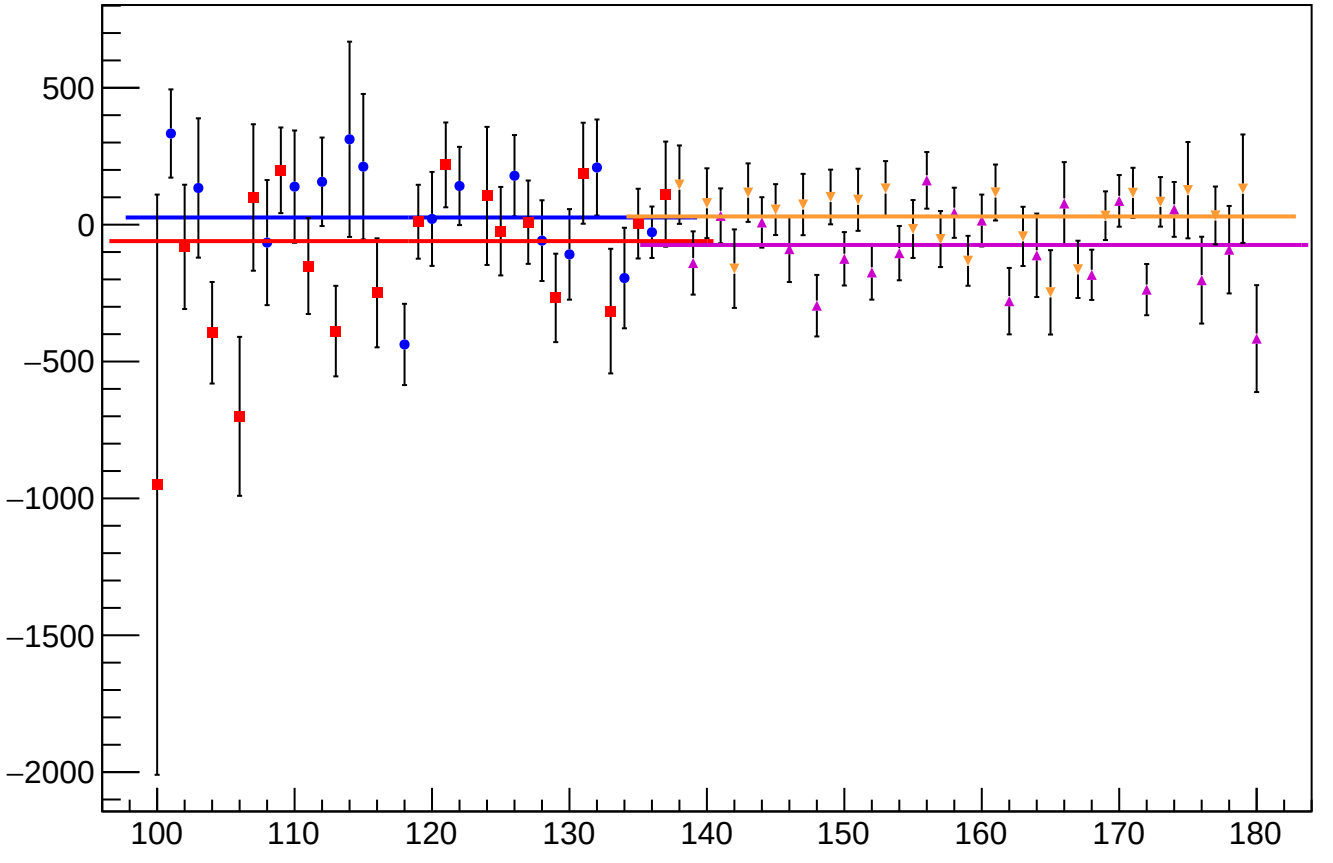
Left In: 679.402+/-0.118 χ^2/NDF:1184491.0/20

+ sign 751.783+/-0.113 χ^2/NDF: 4461440.5/37

All: 748.463+/-0.079 χ^2/NDF: 9163284.2/77

- 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: 29.965+/-23.225 χ^2/NDF:18.9/21

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

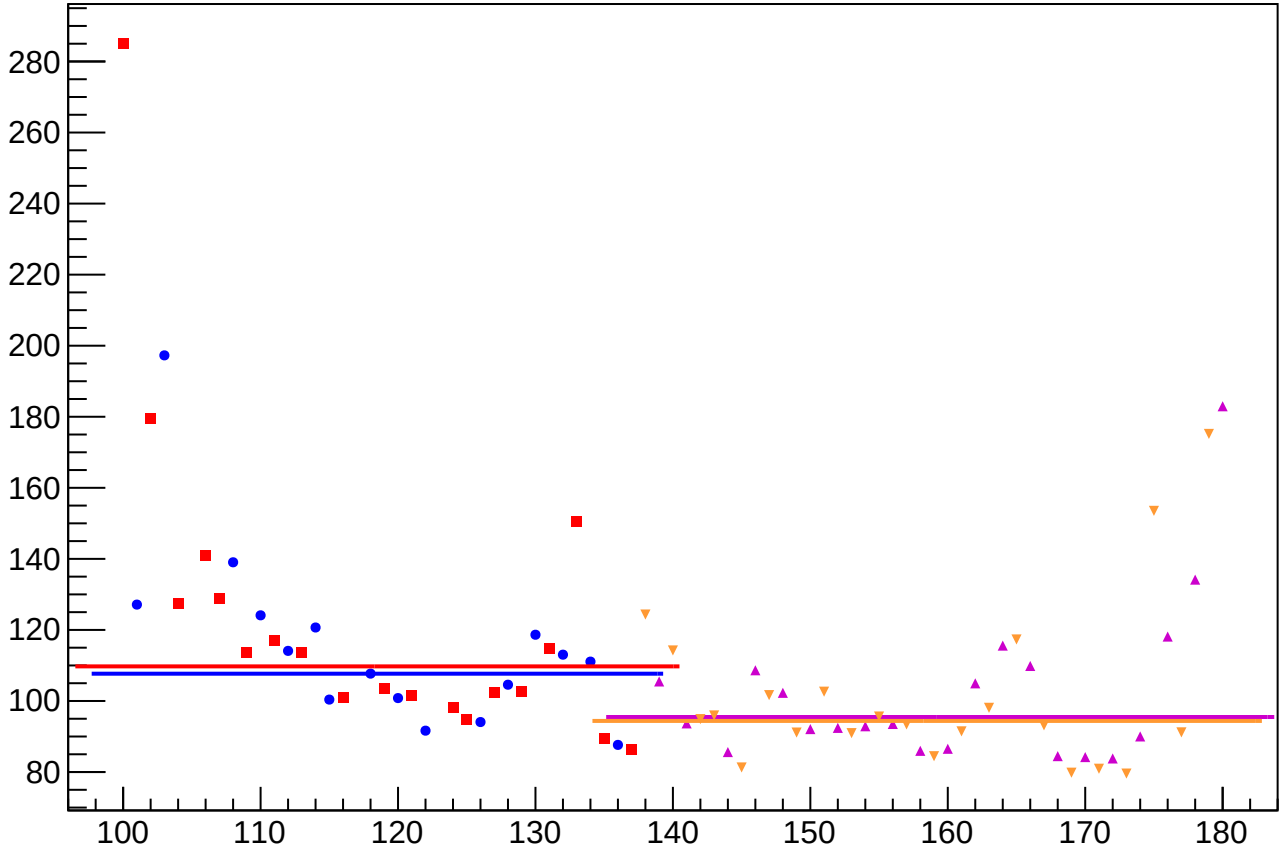
Left In: -74.142+/-23.720 χ^2/NDF:32.0/20

+ sign 29.070+/-20.234 χ^2/NDF: 40.3/37

All: -19.924+/-14.434 χ^2/NDF: 111.3/77

- 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: 94.388+/-0.016 χ^2/NDF:982787.9/21

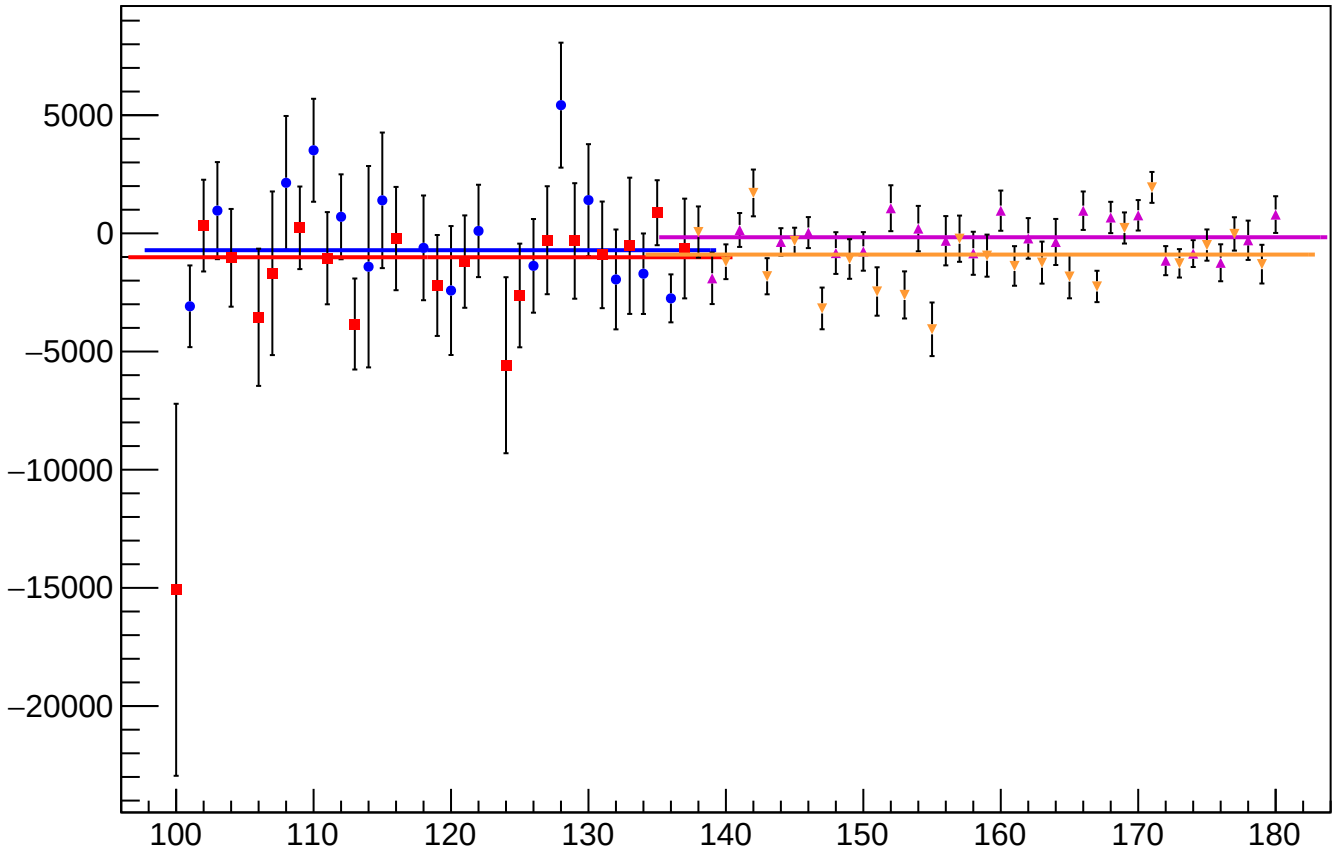
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 95.492+/-0.017 χ^2/NDF:834309.0/20

+ sign 97.591+/-0.014 χ^2/NDF: 1623763.2/37

All: 98.281+/-0.010 χ^2/NDF: 3132093.8/77

- 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: -897.492+/-167.225 χ^2/NDF:60.6/21

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

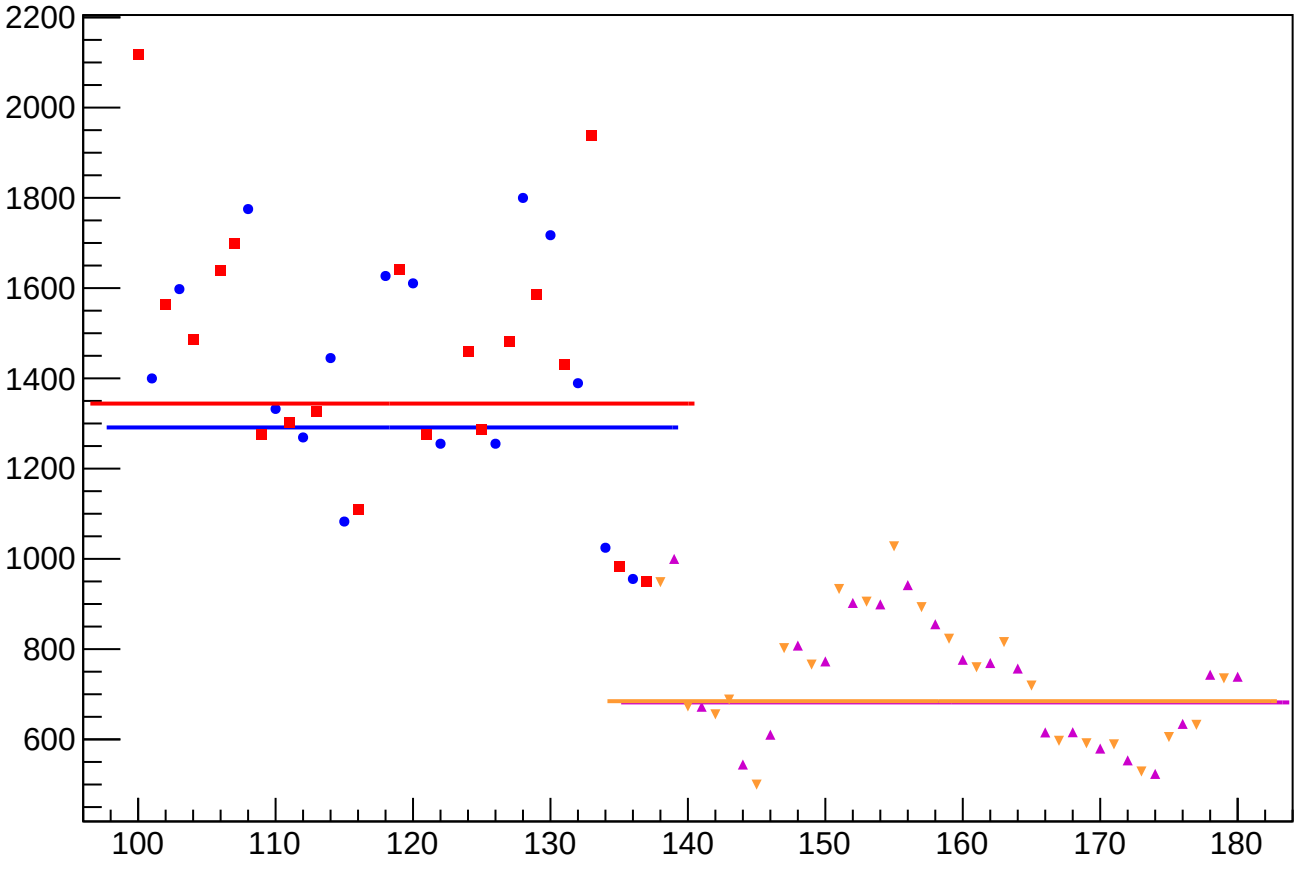
Left In: -164.515+/-167.650 χ^2/NDF:21.3/20

+ sign -878.461+/-158.371 χ^2/NDF: 80.8/37

All: -565.271+/-112.206 χ^2/NDF: 124.3/77

- 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: 684.637+/-0.118 χ^2/NDF:1295586.2/21

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

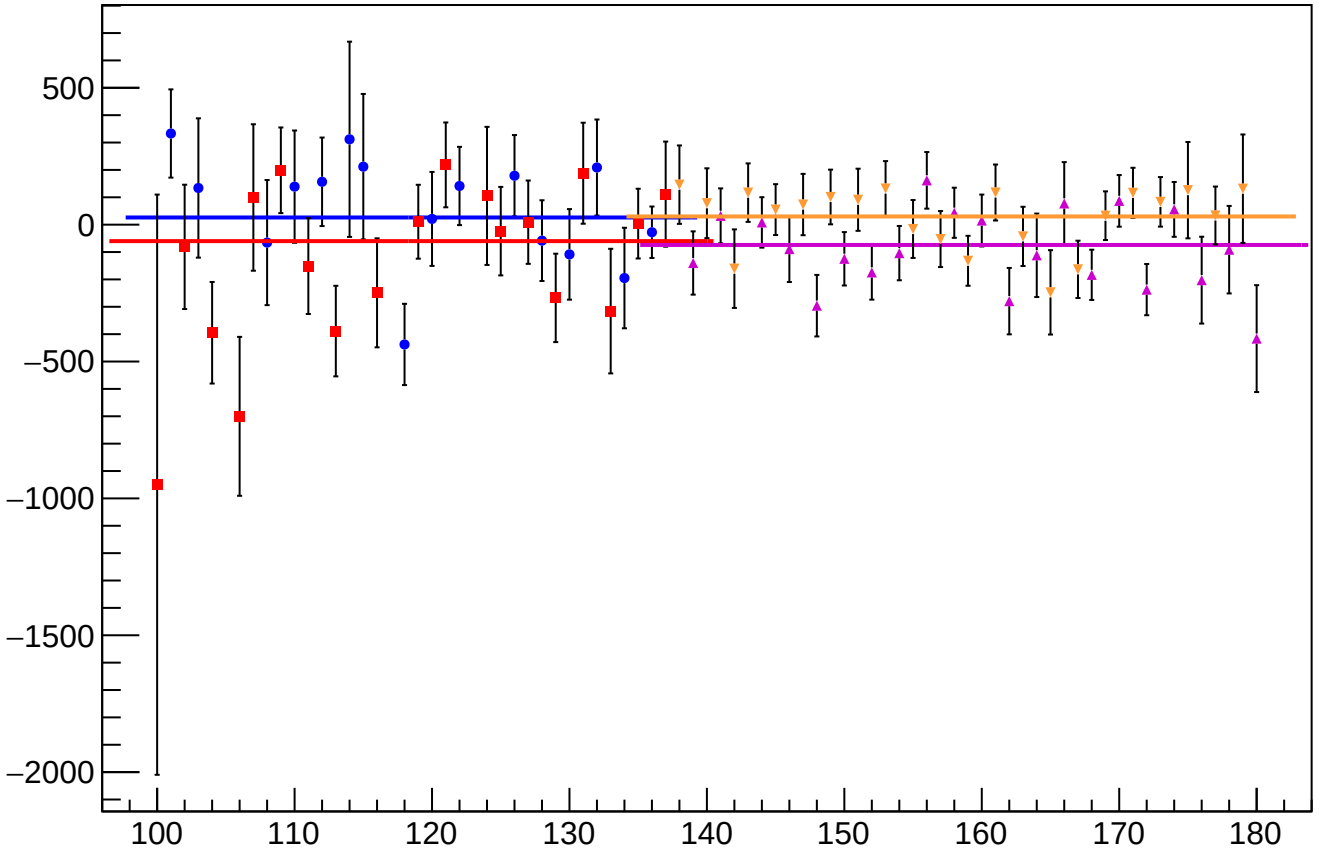
Left In: 681.913+/-0.119 χ^2/NDF:1185912.0/20

\+ sign 747.169+/-0.112 χ^2/NDF: 4619332.4/37

All: 747.836+/-0.079 χ^2/NDF: 9434329.2/77

\- 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: 29.965+/-23.225 χ^2/NDF:18.9/21

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

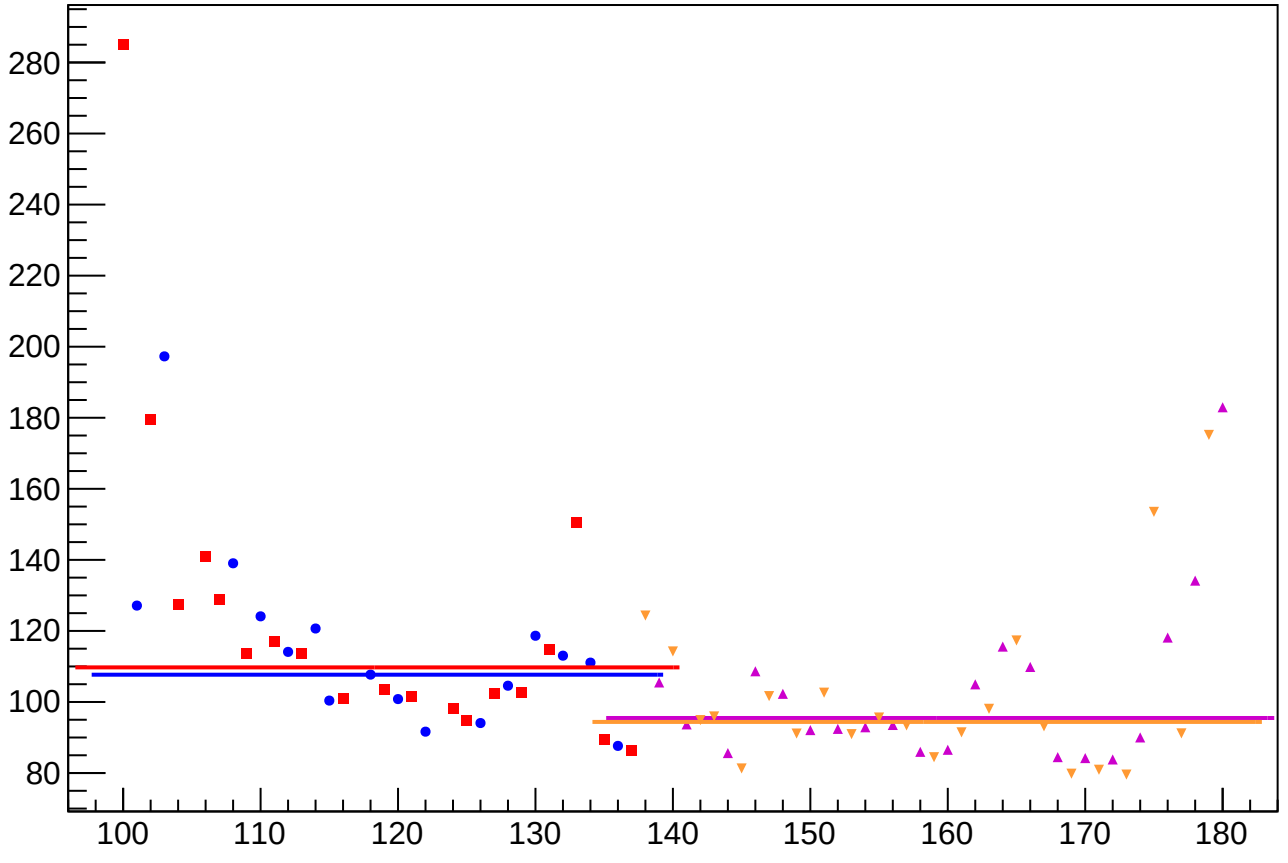
Left In: -74.141+/-23.721 χ^2/NDF:32.0/20

+ sign 29.070+/-20.234 χ^2/NDF: 40.3/37

All: -19.923+/-14.434 χ^2/NDF: 111.3/77

- 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: 94.388+/-0.016 χ^2/NDF:982793.1/21

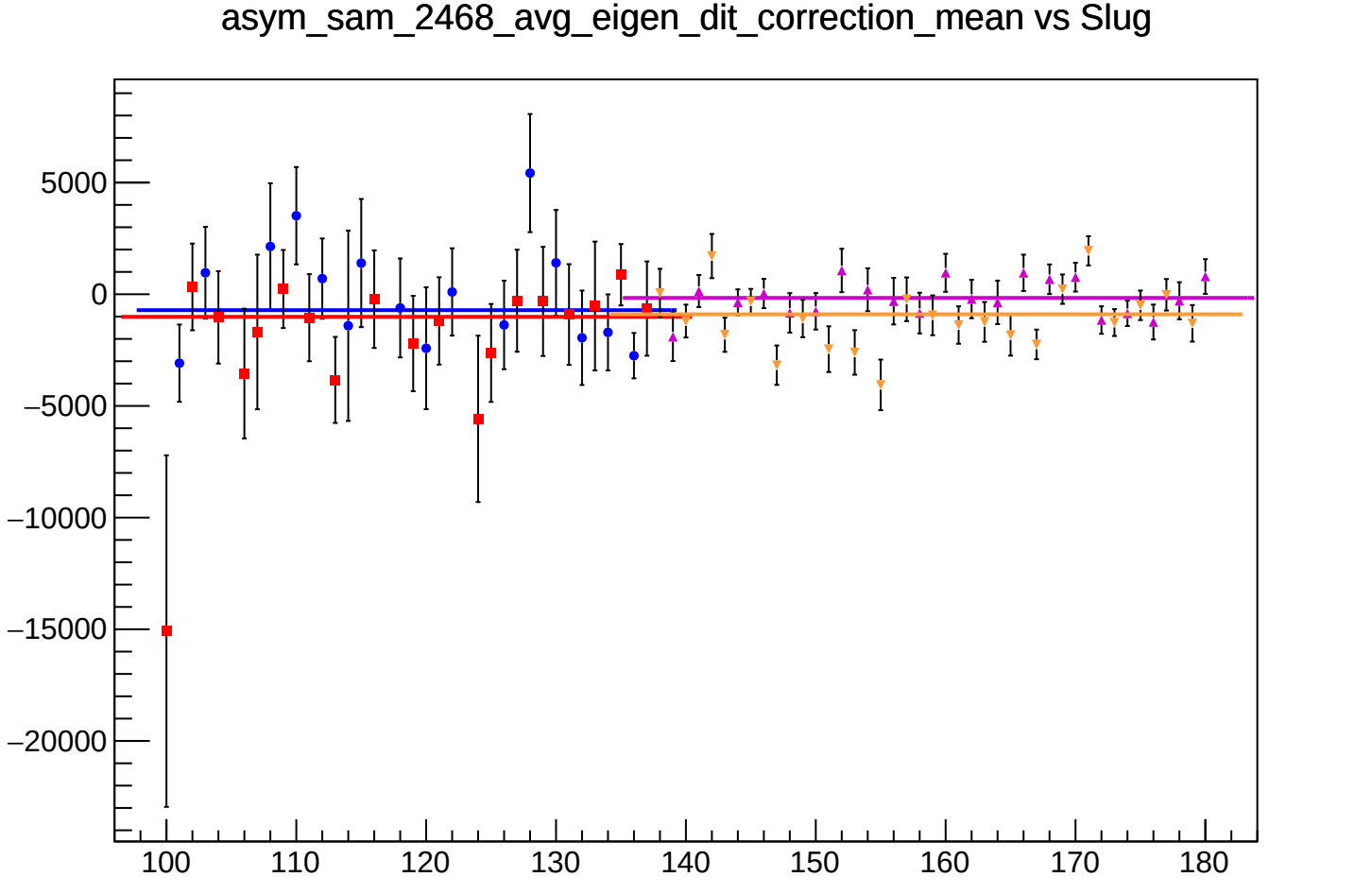
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 95.492+/-0.017 χ^2/NDF:834293.8/20

+ sign 97.591+/-0.014 χ^2/NDF: 1623732.0/37

All: 98.282+/-0.010 χ^2/NDF: 3132022.9/77

- 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: -897.490+/-167.224 χ^2/NDF:60.6/21

Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

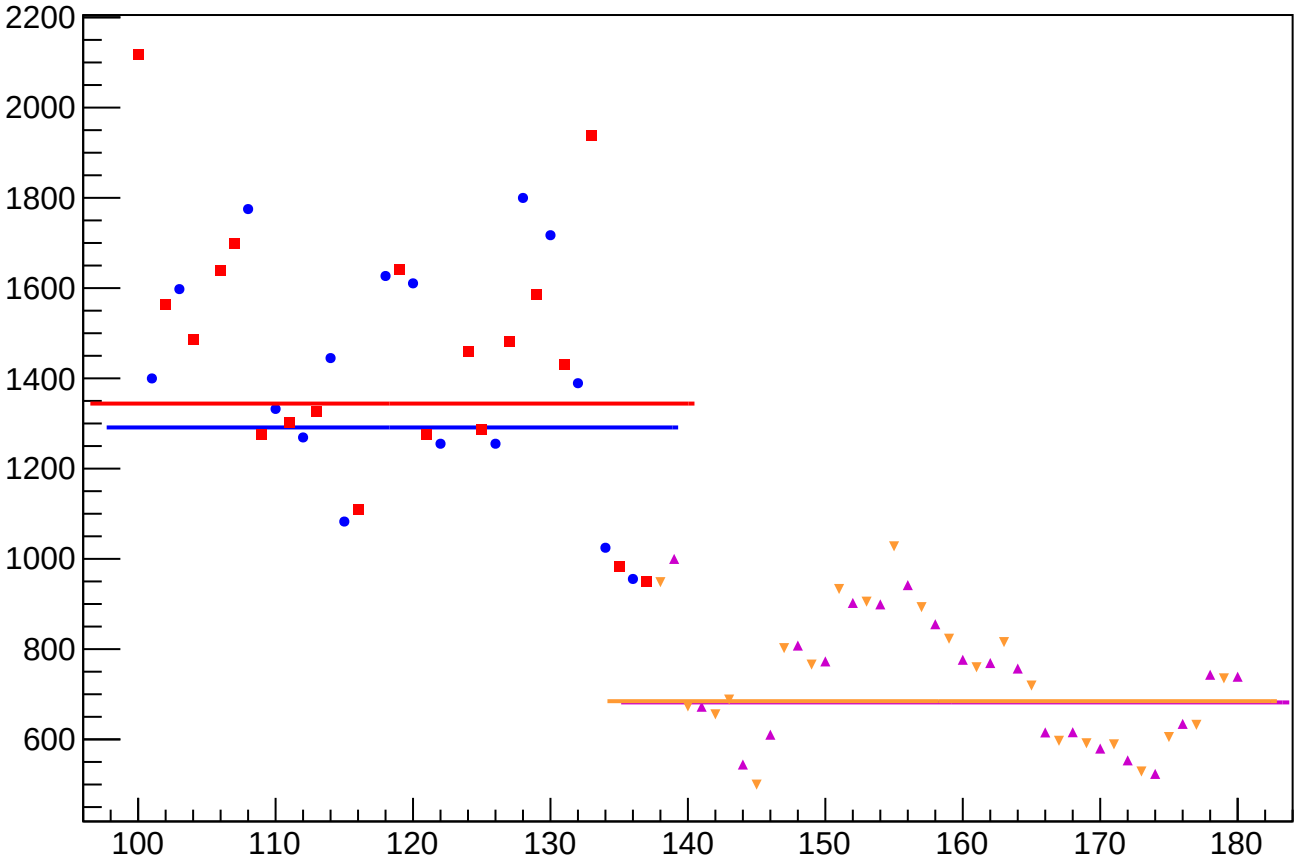
Left In: -164.514+/-167.650 χ^2/NDF:21.3/20

+ sign -878.459+/-158.371 χ^2/NDF: 80.8/37

All: -565.269+/-112.206 χ^2/NDF: 124.3/77

- 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: 684.635+/-0.118 χ^2/NDF:1295592.2/21

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

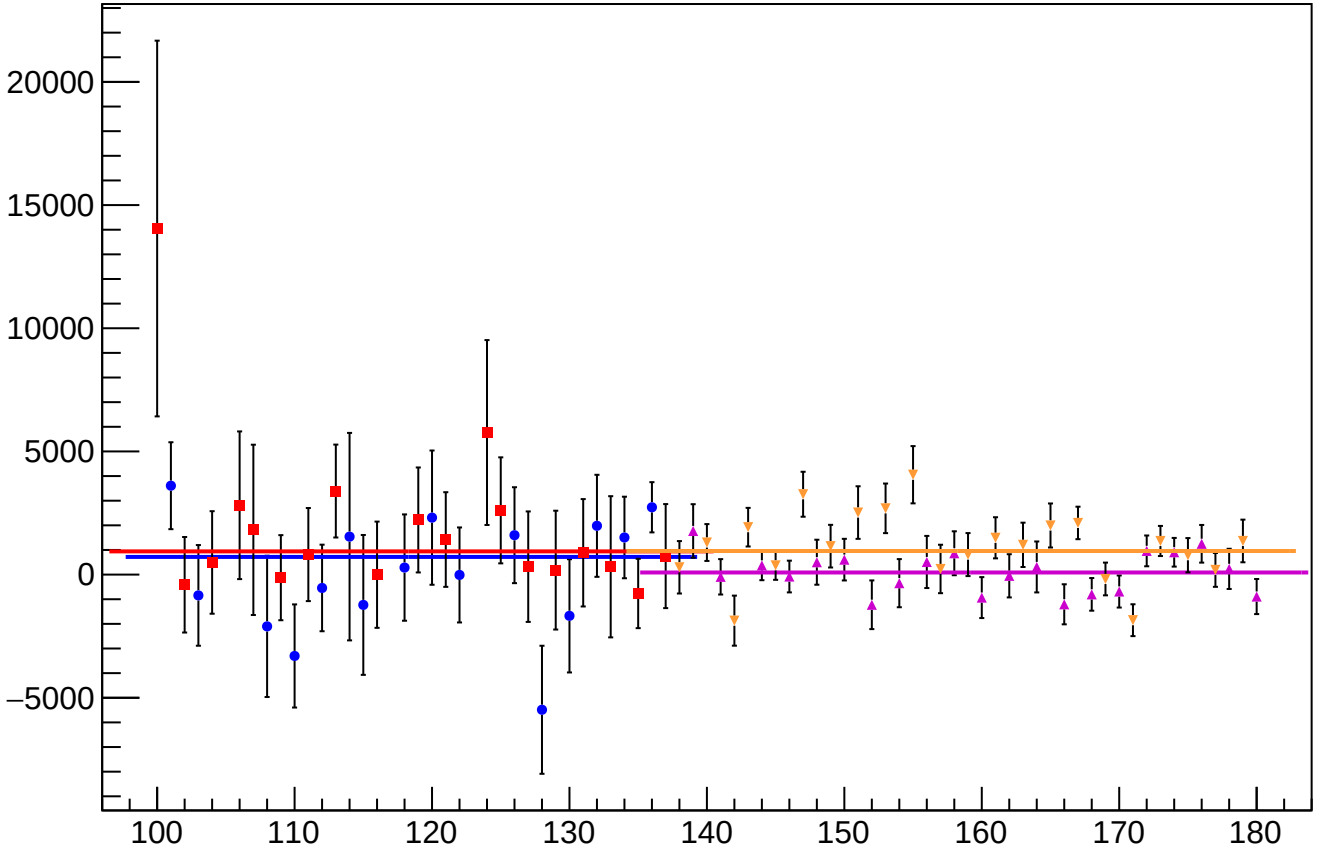
Left In: 681.912+/-0.119 χ^2/NDF:1185913.5/20

\+ sign 747.167+/-0.112 χ^2/NDF: 4619336.6/37

All: 747.835+/-0.079 χ^2/NDF: 9434335.0/77

\- 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: 957.219+/-169.666 χ^2/NDF:58.6/21

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

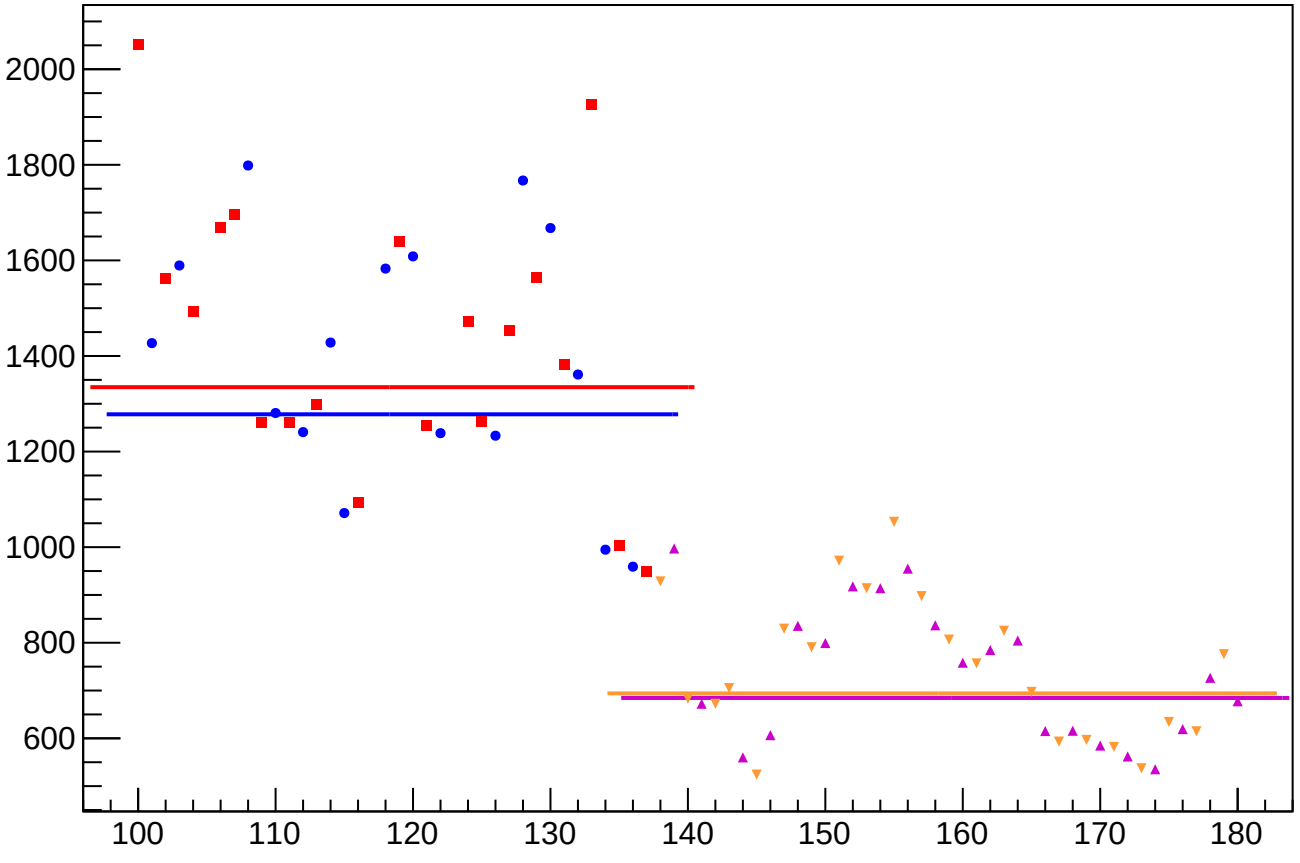
Left In: 85.708+/-168.215 χ^2/NDF:21.7/20

\+ sign 931.402+/-160.265 χ^2/NDF: 79.8/37

All: 550.288+/-113.007 χ^2/NDF: 126.0/77

\- 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: 694.028+/-0.120 χ^2/NDF:1270496.6/21

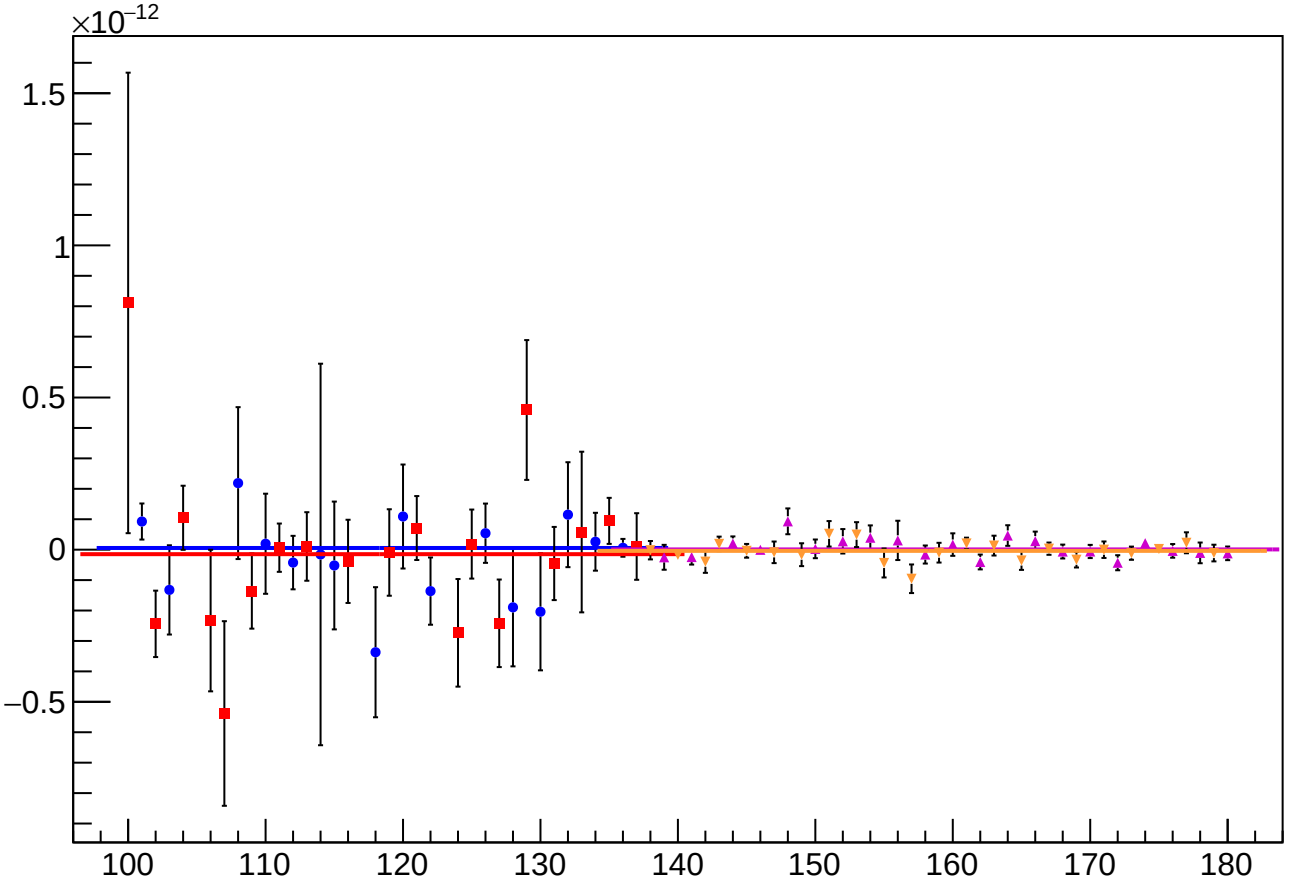
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.465+/-0.119 χ^2/NDF:1164344.3/20

+ sign 756.948+/-0.113 χ^2/NDF: 4420893.0/37

All: 753.984+/-0.080 χ^2/NDF: 9119107.2/77

- 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:16.2/21

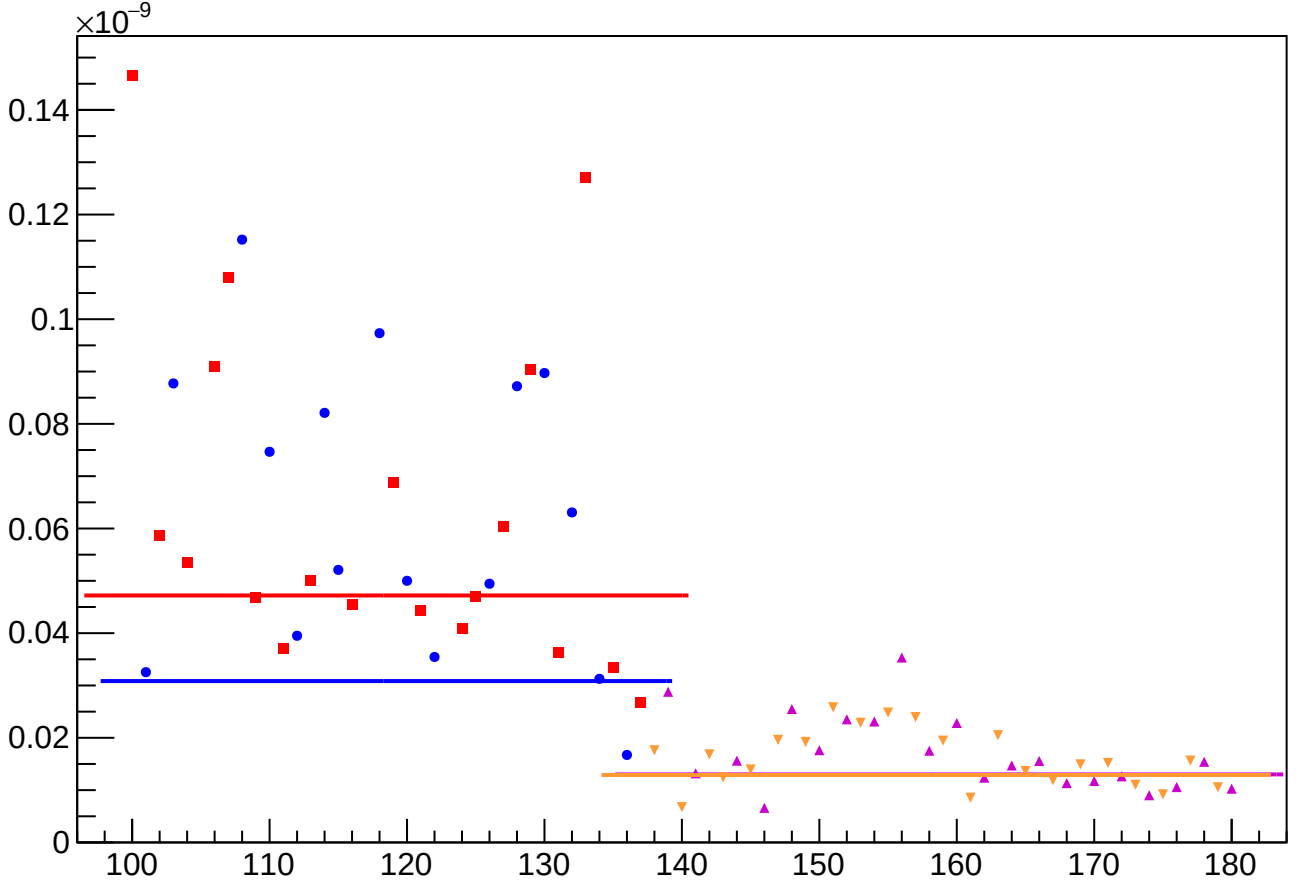
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.8/20

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/37

All: -0.000+/-0.000 χ^2/NDF: 72.0/77

- 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:1577149.8/21

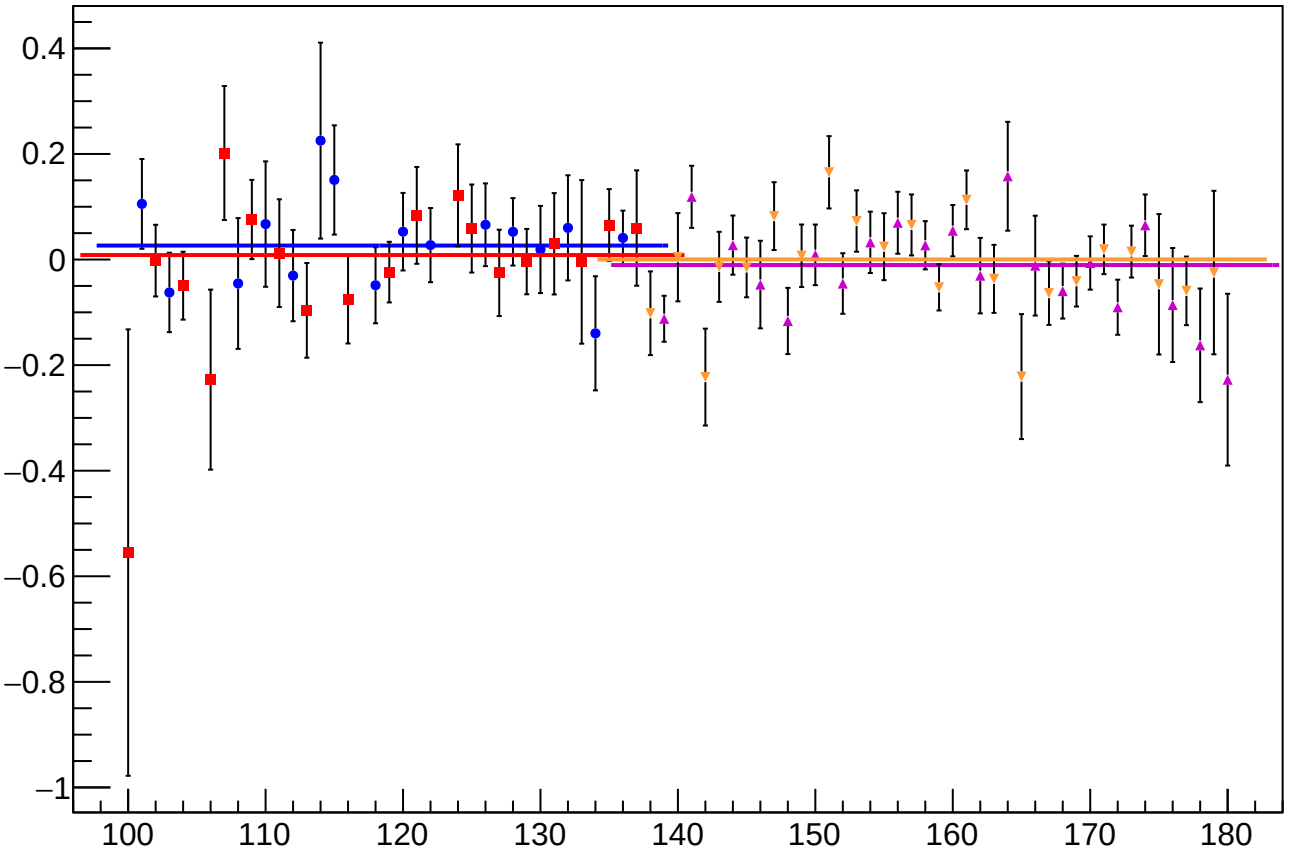
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1841477.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 4791083.7/37

All: 0.000+/-0.000 χ^2/NDF: 10107240.1/77

- 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: 0.000+/-0.013 χ^2/NDF:30.7/21

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

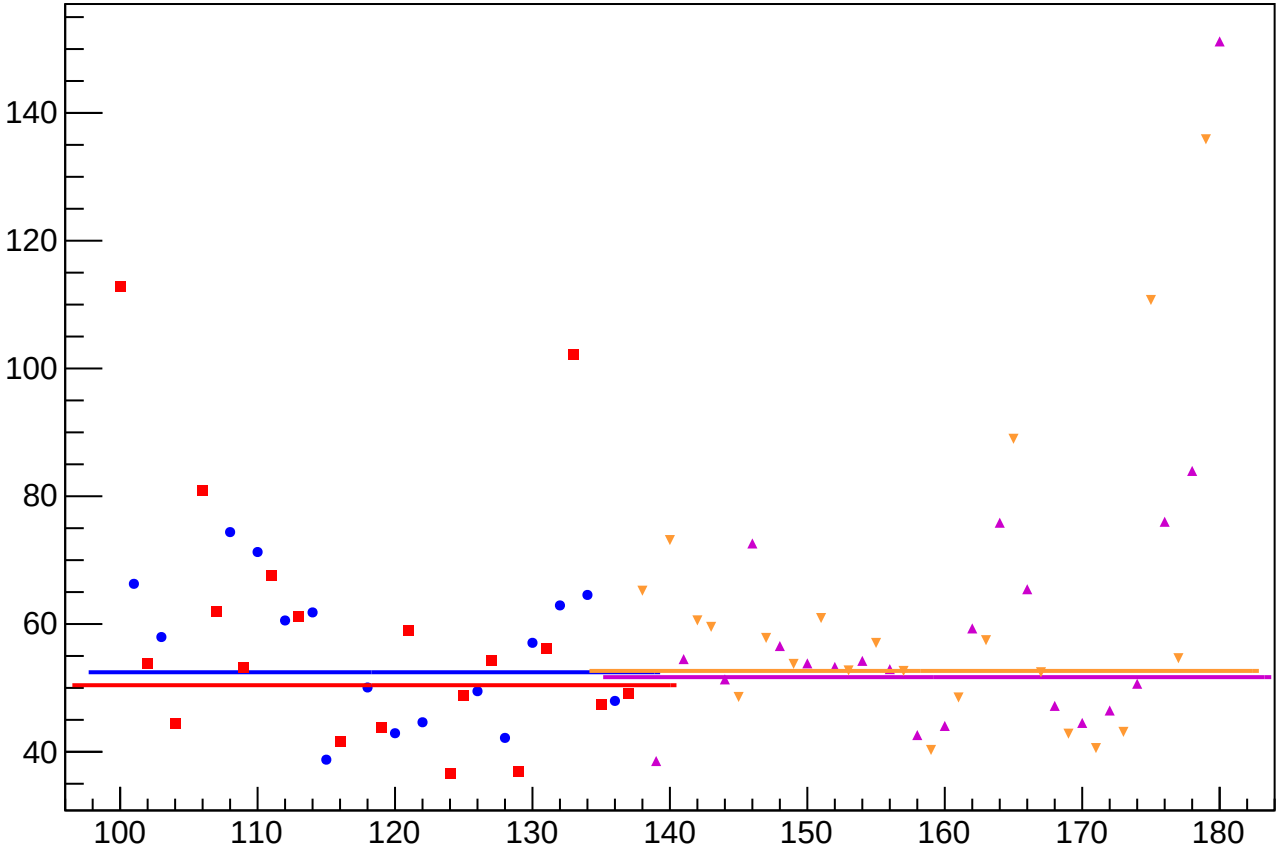
Left In: -0.010+/-0.013 χ^2/NDF:31.1/20

+ sign 0.008+/-0.011 χ^2/NDF: 41.8/37

All: 0.002+/-0.008 χ^2/NDF: 88.1/77

- 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: 52.661+/-0.009 χ^2/NDF:1892196.7/21

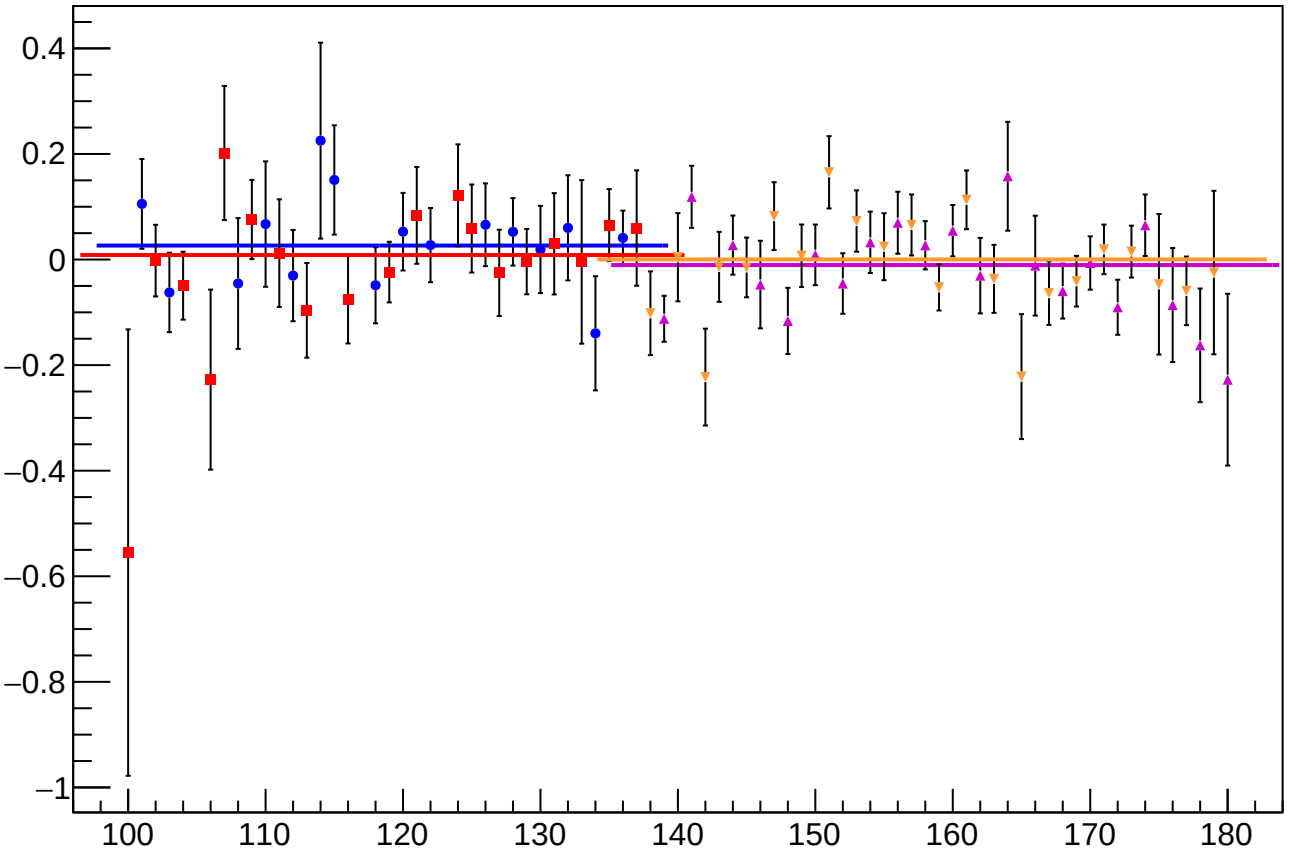
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.686+/-0.009 χ^2/NDF:1743564.0/20

+ sign 52.598+/-0.008 χ^2/NDF: 2310360.2/37

All: 51.930+/-0.006 χ^2/NDF: 4750481.1/77

- 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: 0.000+/-0.013 χ^2/NDF:30.7/21

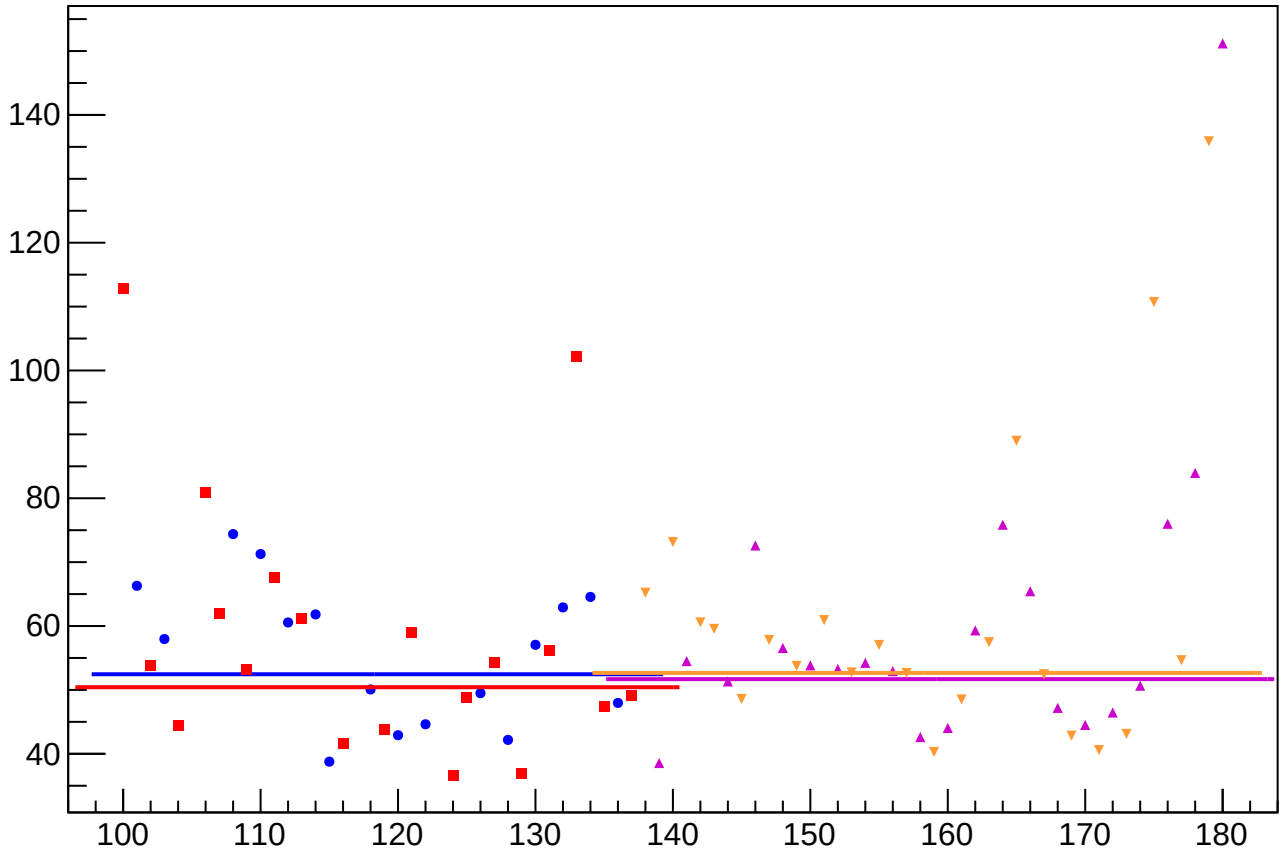
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.1/20

+ sign 0.008+/-0.011 χ^2/NDF: 41.8/37

All: 0.002+/-0.008 χ^2/NDF: 88.1/77

- 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: 52.661+/-0.009 χ^2/NDF:1892196.7/21

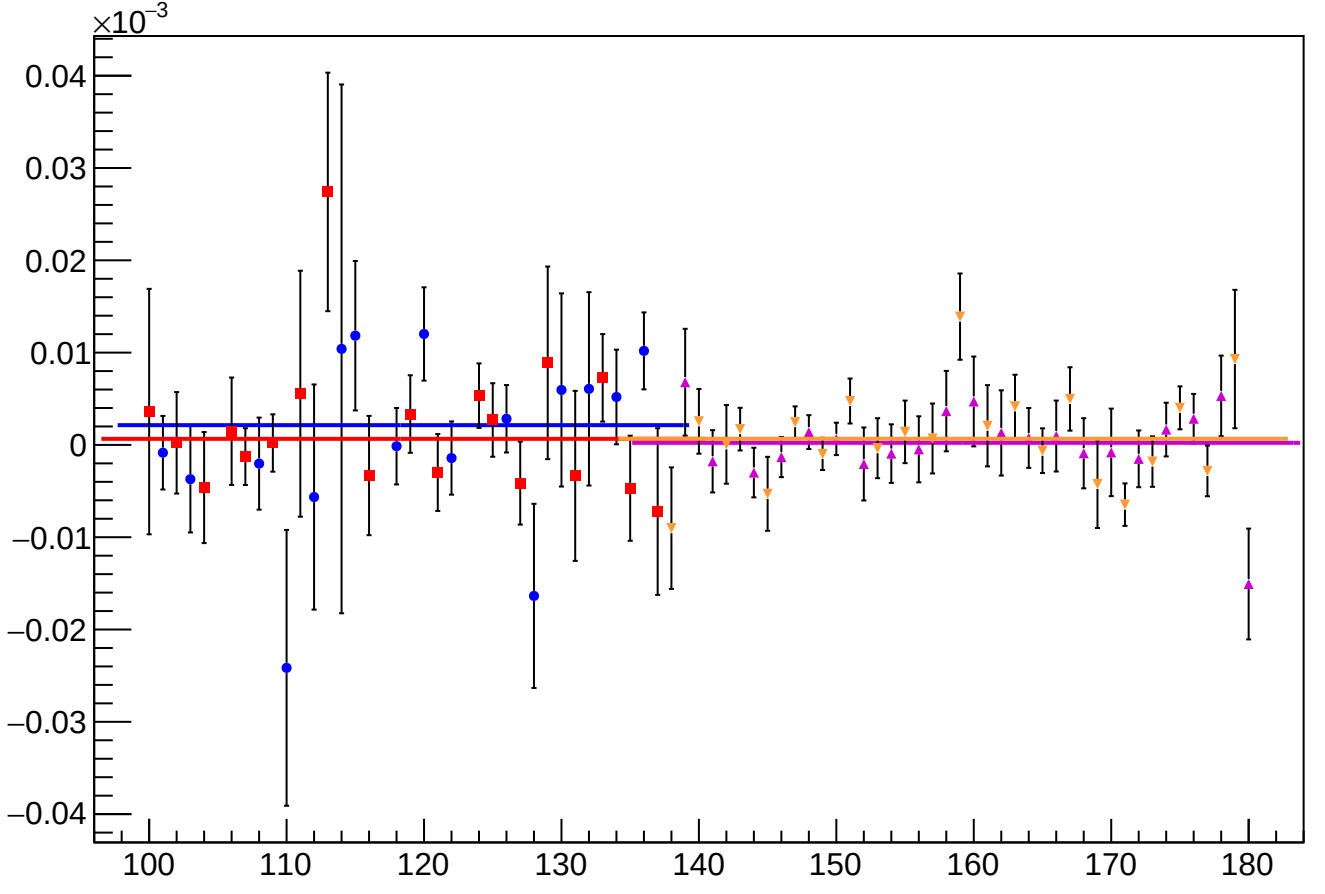
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.686+/-0.009 χ^2/NDF:1743564.0/20

\+ sign 52.598+/-0.008 χ^2/NDF: 2310360.2/37

All: 51.930+/-0.006 χ^2/NDF: 4750481.1/77

\- 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:37.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

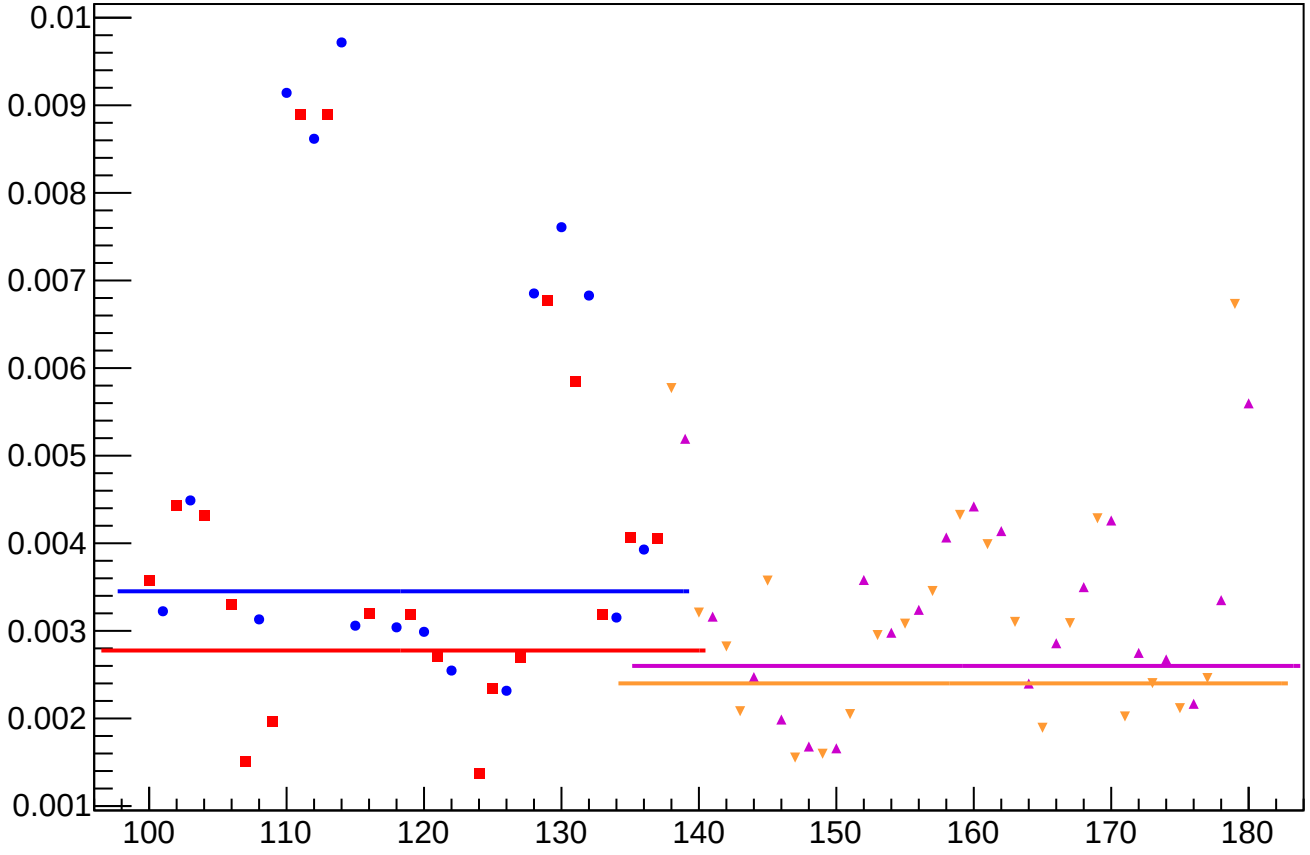
Left In: 0.000+/-0.000 χ^2/NDF:15.6/20

+ sign 0.000+/-0.000 χ^2/NDF: 58.4/37

All: 0.000+/-0.000 χ^2/NDF: 89.4/77

- sign 0.000+/-0.000 χ^2/NDF: 30.6/39

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4023615.1/21

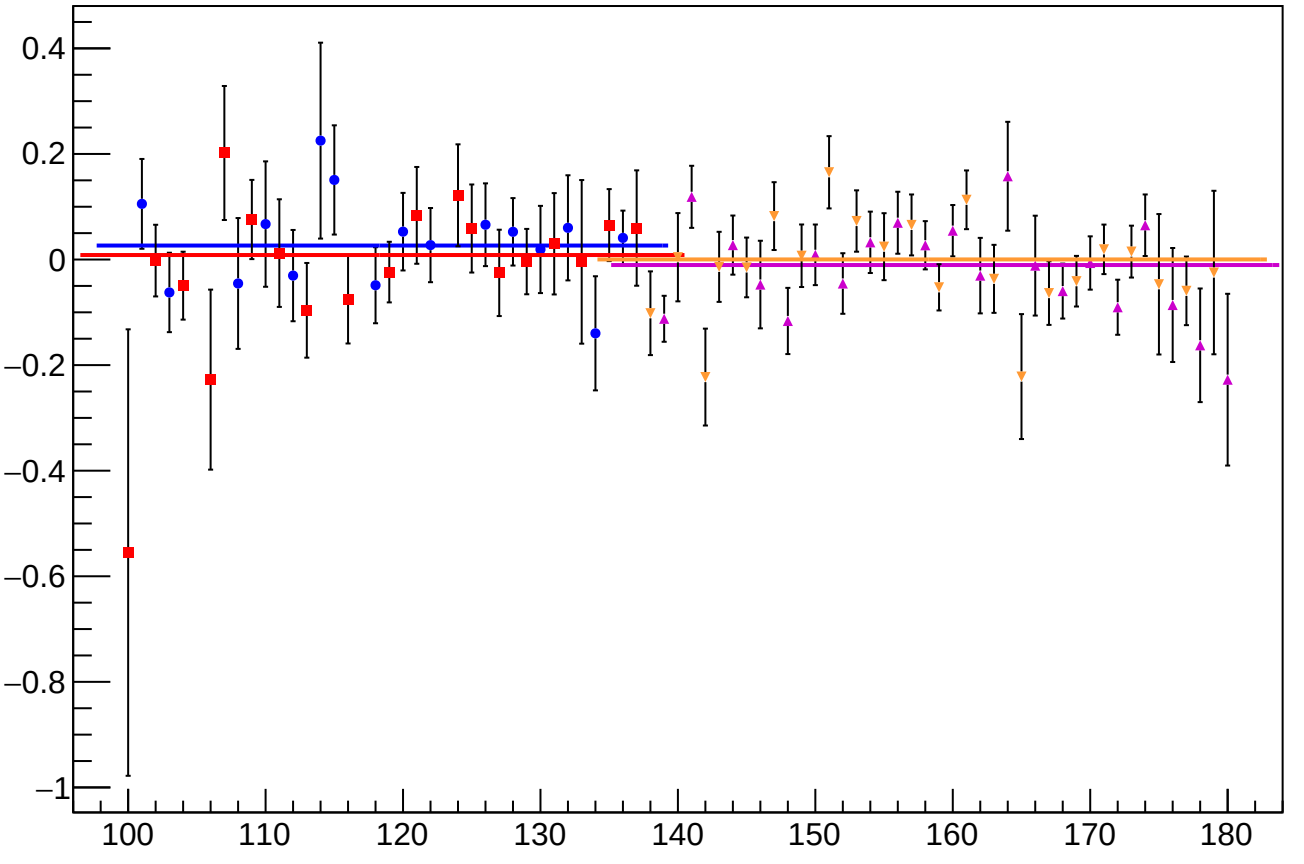
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3631992.2/20

+ sign 0.003+/-0.000 χ^2/NDF: 6935838.8/37

All: 0.003+/-0.000 χ^2/NDF: 13353164.9/77

- 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: 0.000+/-0.013 χ^2/NDF:30.7/21

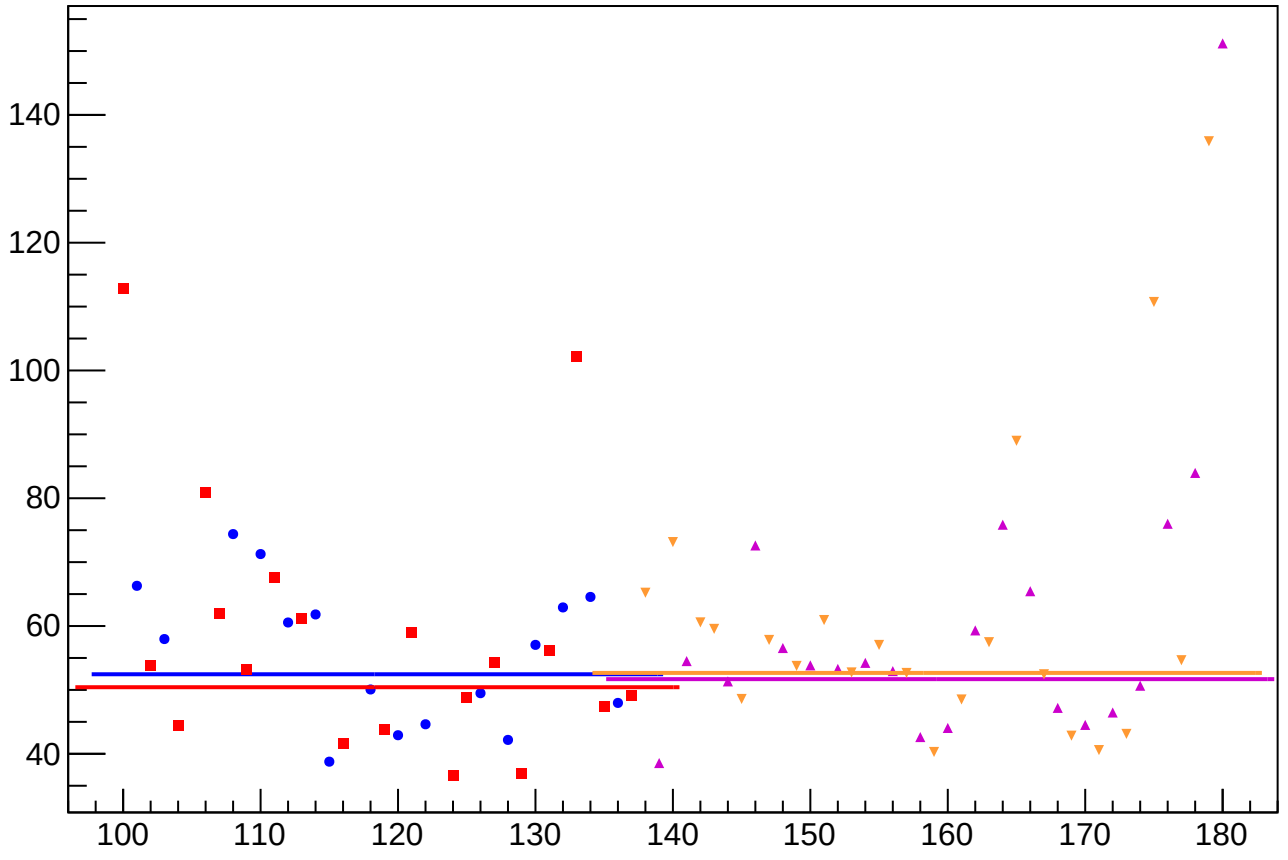
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:31.1/20

+ sign 0.008+/-0.011 χ^2/NDF: 41.8/37

All: 0.002+/-0.008 χ^2/NDF: 88.1/77

- 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: 52.662+/-0.009 χ^2/NDF:1892228.4/21

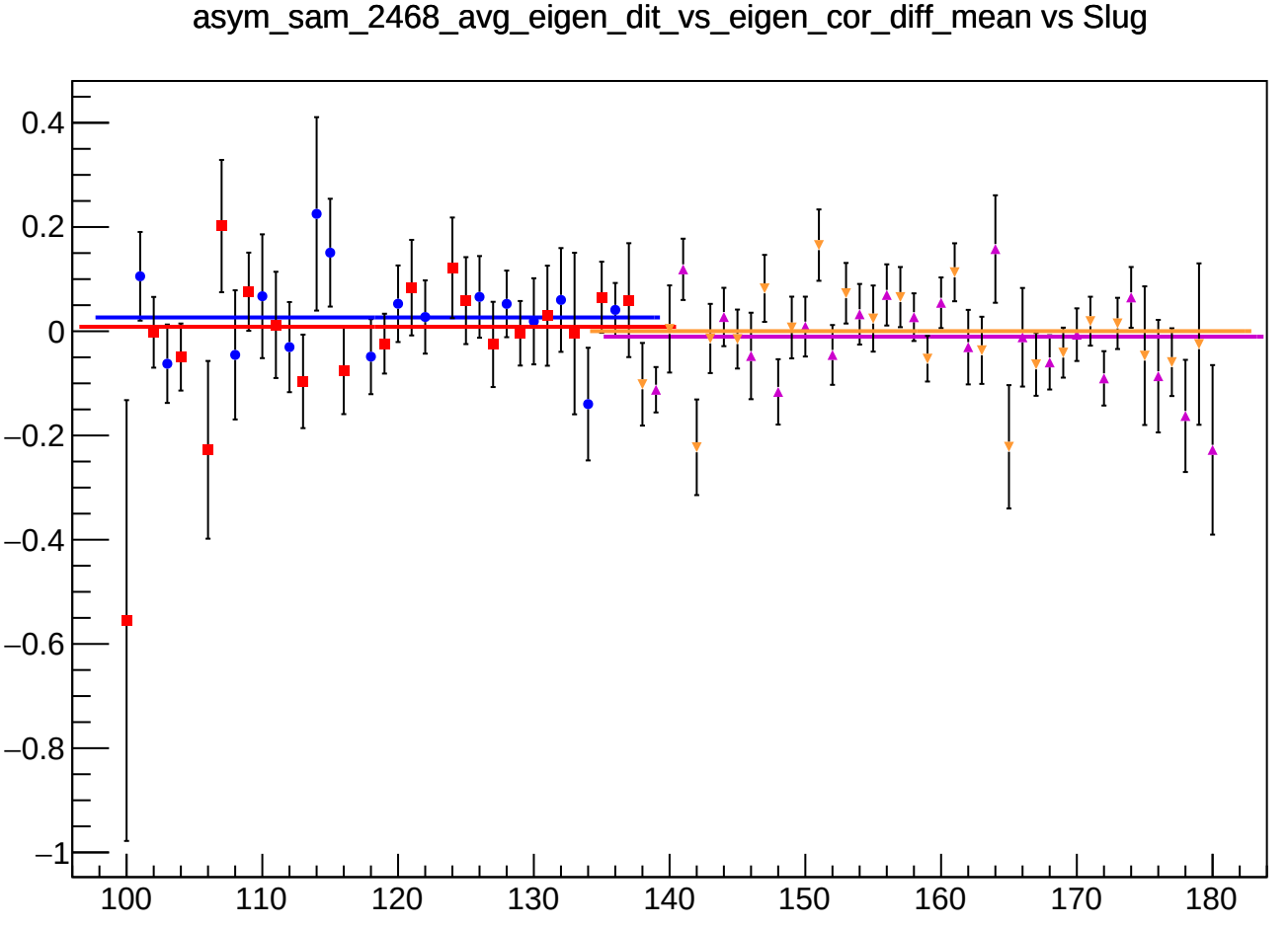
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.686+/-0.009 χ^2/NDF:1743609.6/20

+ sign 52.598+/-0.008 χ^2/NDF: 2310347.0/37

All: 51.930+/-0.006 χ^2/NDF: 4750534.0/77

- sign 51.285+/-0.008 χ^2/NDF: 2426114.2/39



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

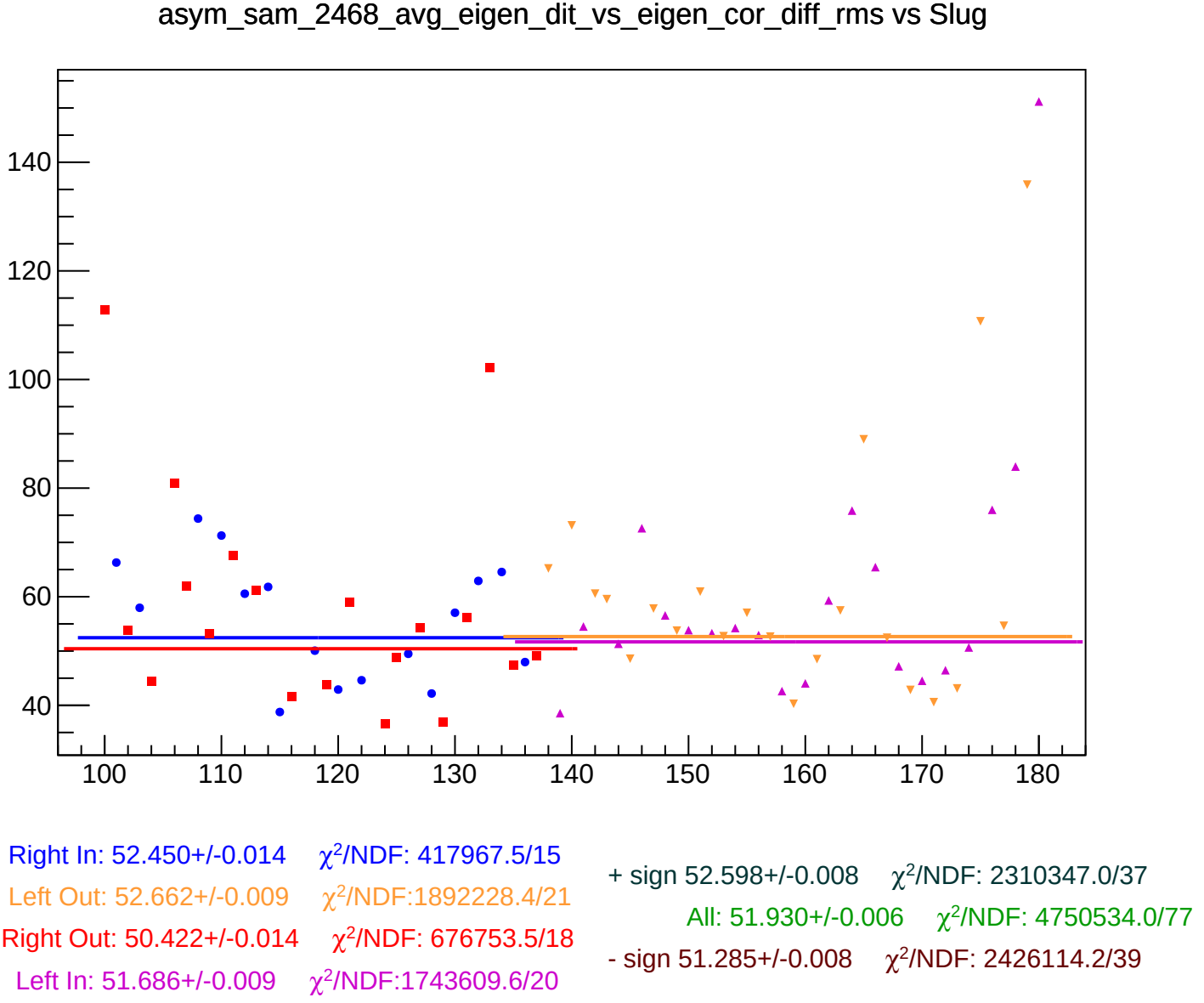
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

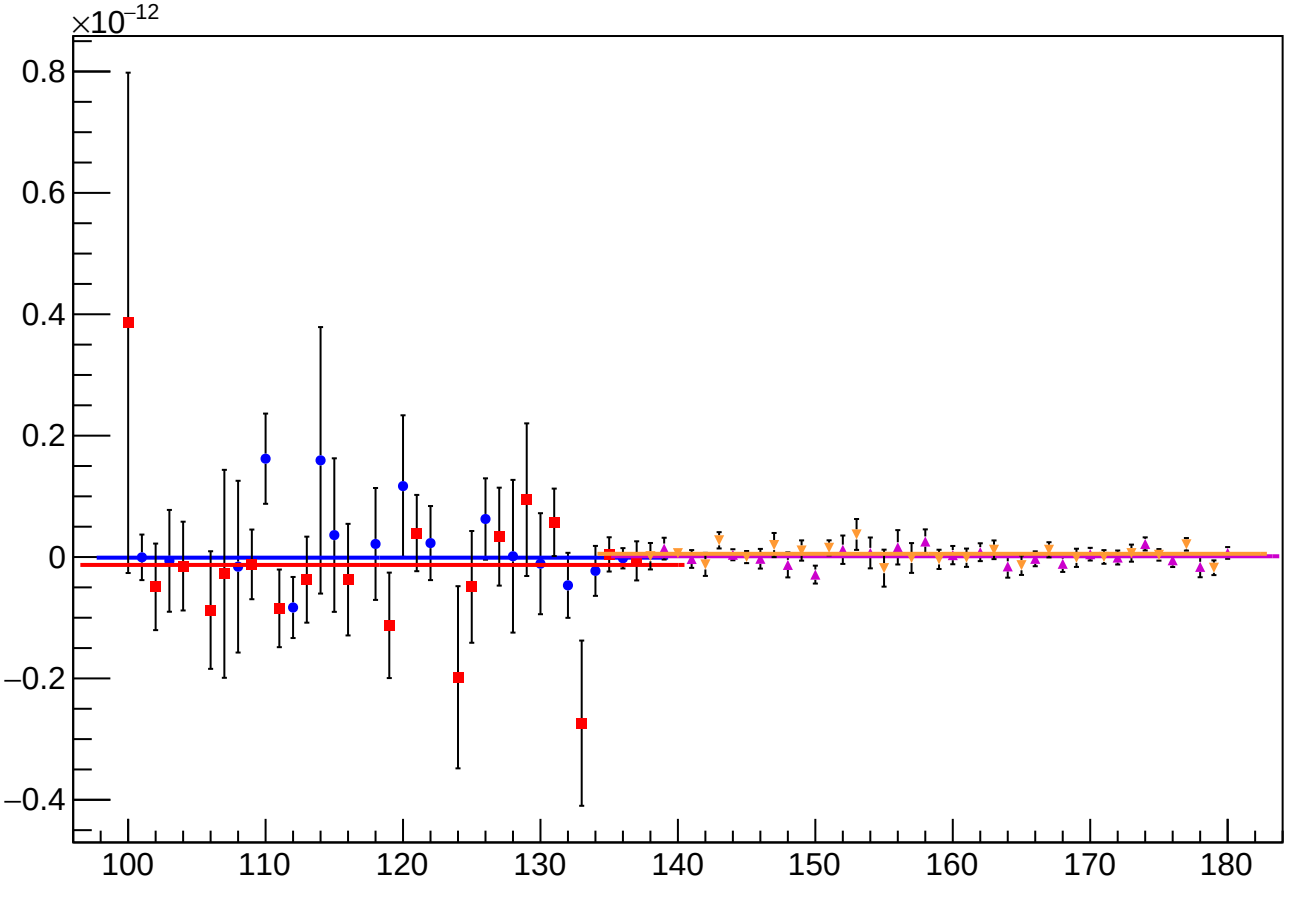
Left In: -0.010+/-0.013 χ^2/NDF:31.1/20

+ sign 0.008+/-0.011 χ^2/NDF: 41.8/37

All: 0.002+/-0.008 χ^2/NDF: 88.1/77

- sign -0.004+/-0.011 χ^2/NDF: 45.7/39


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
140
120
100
80
60
40
100
110
120
130
140
150
160
170
180
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 52.662+/-0.009 χ²/NDF:1892228.4/21
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 51.686+/-0.009 χ²/NDF:1743609.6/20
+ sign 52.598+/-0.008 χ²/NDF: 2310347.0/37
All: 51.930+/-0.006 χ²/NDF: 4750534.0/77
- sign 51.285+/-0.008 χ²/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:16.1/21

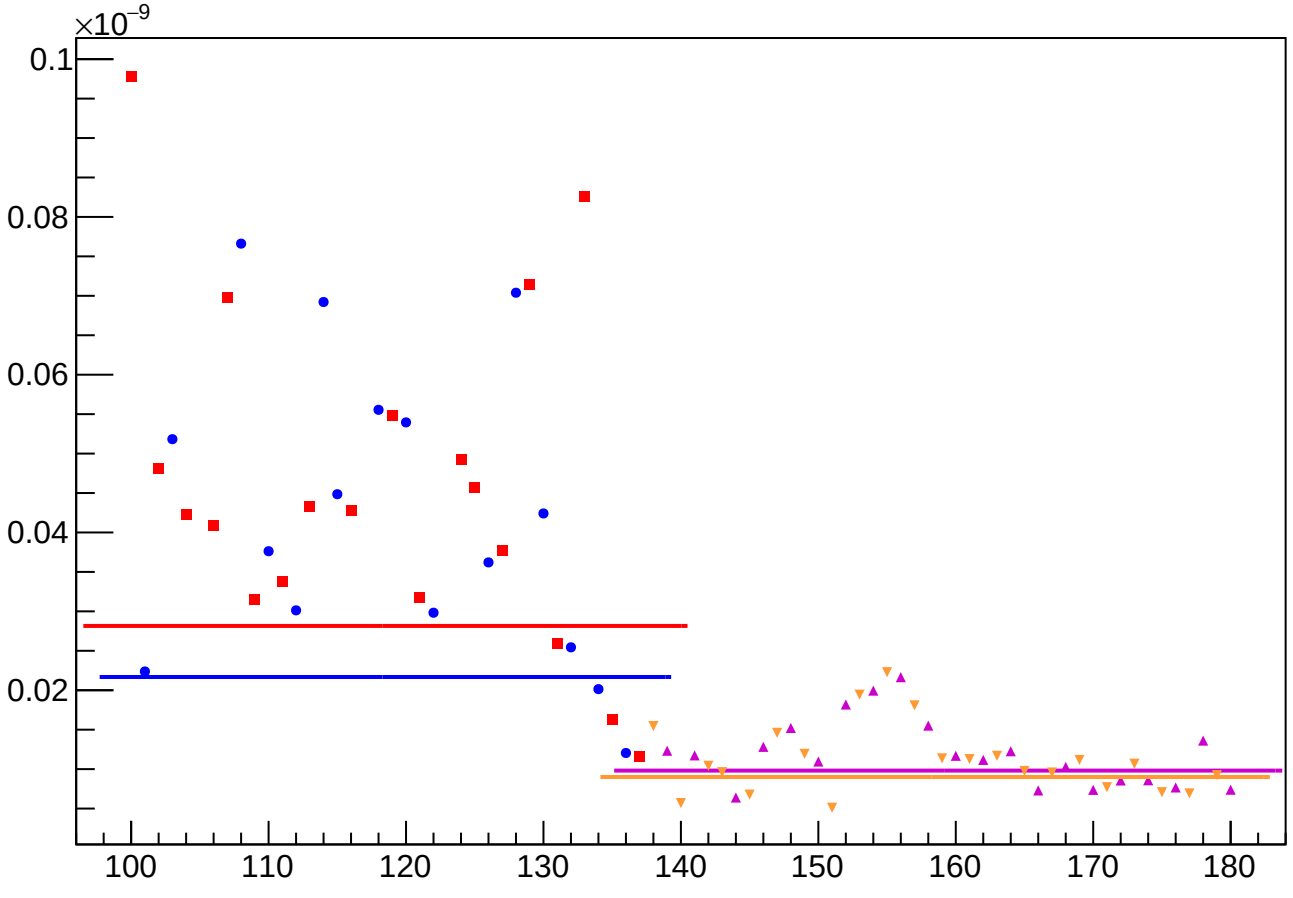
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/20

+ sign 0.000+/-0.000 χ^2/NDF: 27.6/37

All: 0.000+/-0.000 χ^2/NDF: 58.1/77

- sign 0.000+/-0.000 χ^2/NDF: 29.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2446047.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

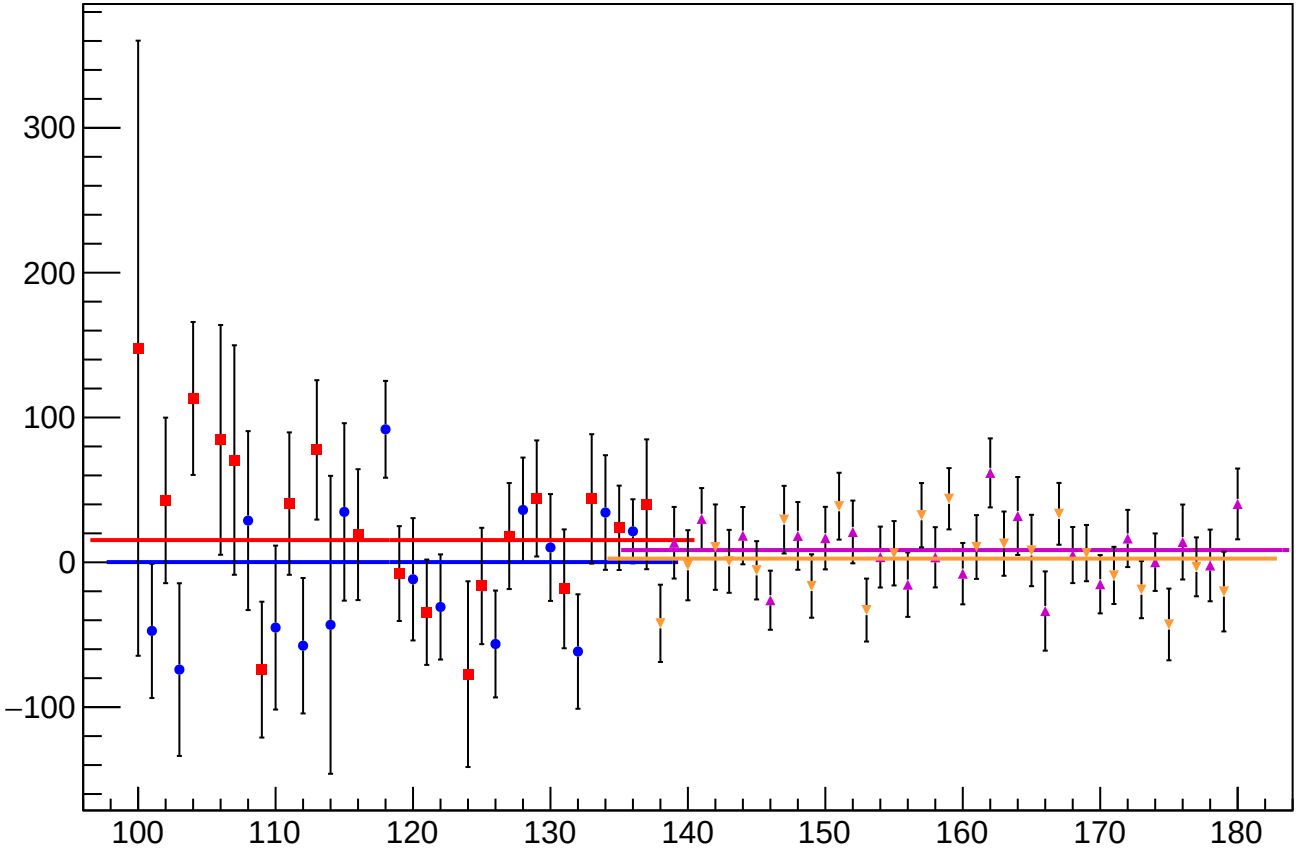
Left In: 0.000+/-0.000 χ^2/NDF:2288886.1/20

+ sign 0.000+/-0.000 χ^2/NDF: 7084460.0/37

All: 0.000+/-0.000 χ^2/NDF: 14913149.2/77

- sign 0.000+/-0.000 χ^2/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: 2.548+/-4.760 χ^2/NDF:24.1/21

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

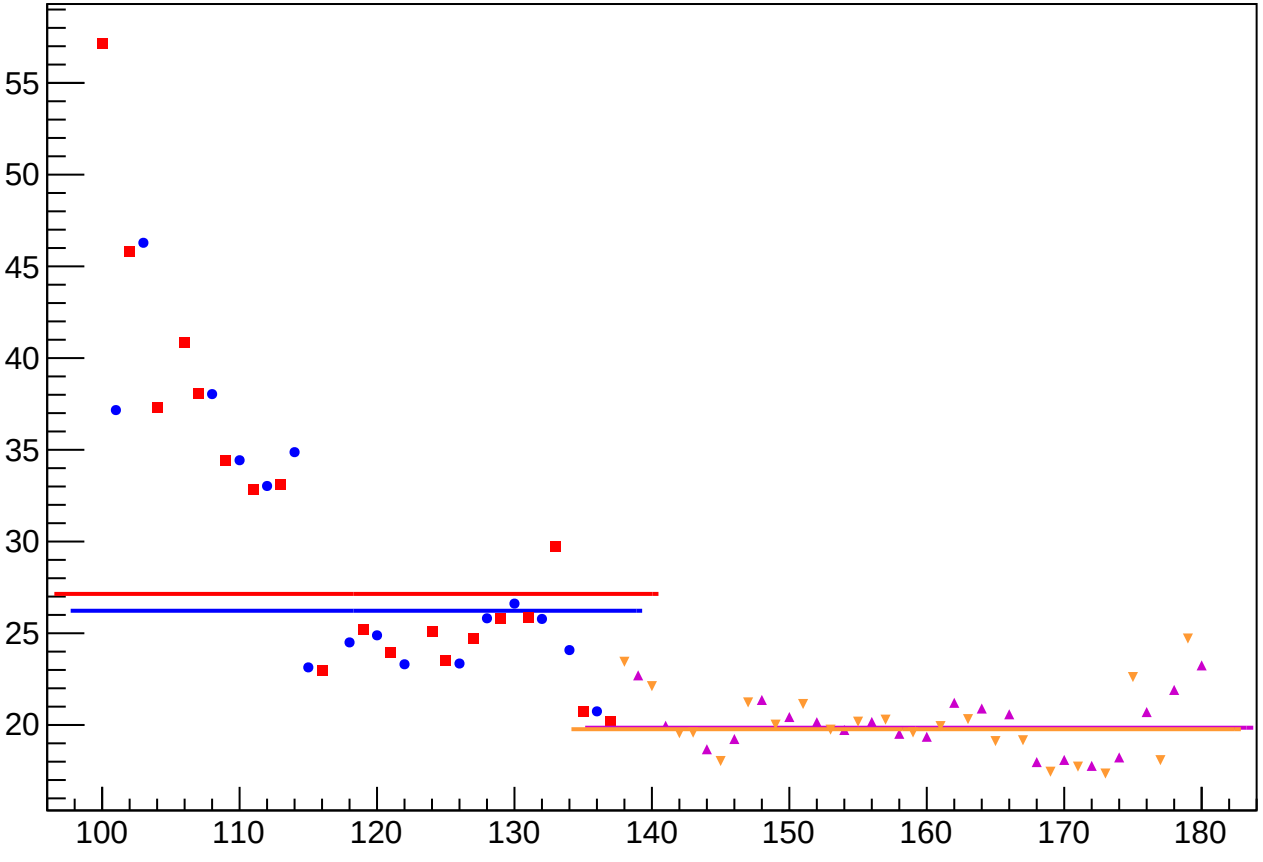
Left In: 8.461+/-4.810 χ^2/NDF:18.5/20

+ sign 2.110+/-4.302 χ^2/NDF: 45.5/37

All: 5.857+/-3.061 χ^2/NDF: 83.9/77

- 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: 19.770+/-0.003 χ^2/NDF:277798.0/21

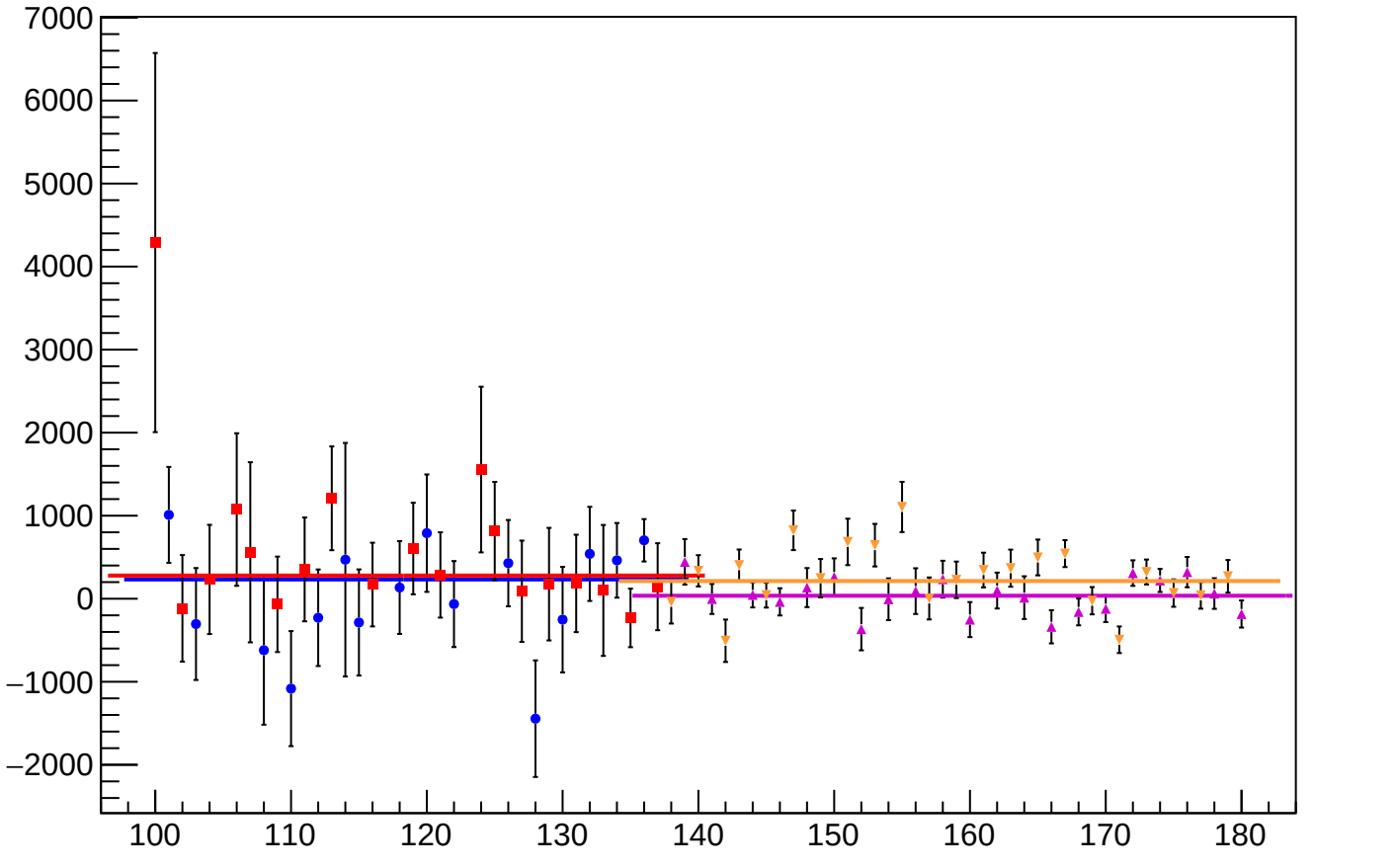
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.851+/-0.003 χ^2/NDF:182752.1/20

+ sign 20.953+/-0.003 χ^2/NDF: 1628455.3/37

All: 21.057+/-0.002 χ^2/NDF: 3396774.8/77

- 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: 213.238+/-41.997 χ^2/NDF:64.2/21

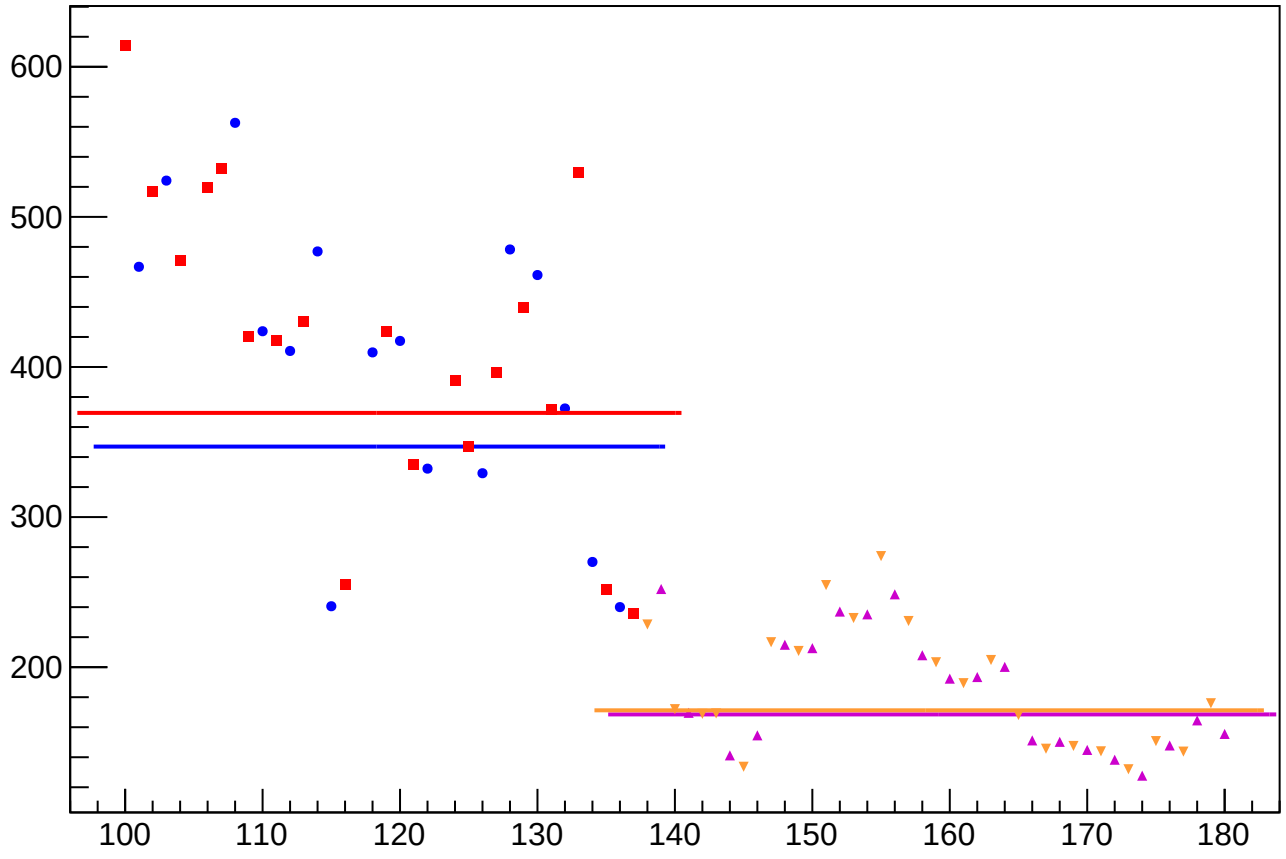
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 35.994+/-41.556 χ^2/NDF:24.0/20

\+ sign 214.905+/-40.098 χ^2/NDF: 83.8/37

All: 134.775+/-28.261 χ^2/NDF: 130.7/77

\- 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: 171.258+/-0.030 χ^2/NDF:1467813.2/21

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

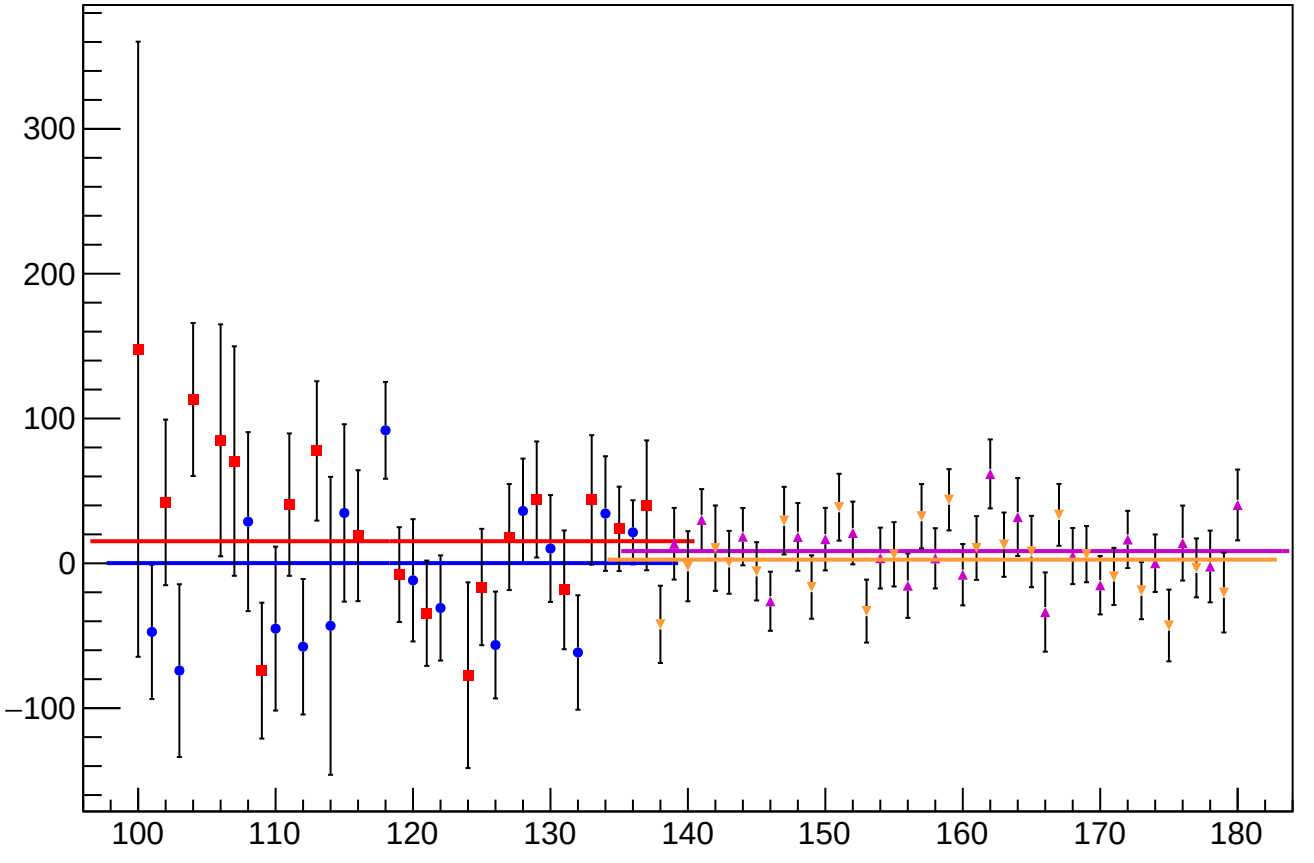
Left In: 168.528+/-0.029 χ^2/NDF:1392173.5/20

+ sign 186.790+/-0.028 χ^2/NDF: 5620402.6/37

All: 185.789+/-0.020 χ^2/NDF: 11719932.5/77

- 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: 2.547+/-4.760 χ^2/NDF:24.1/21

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

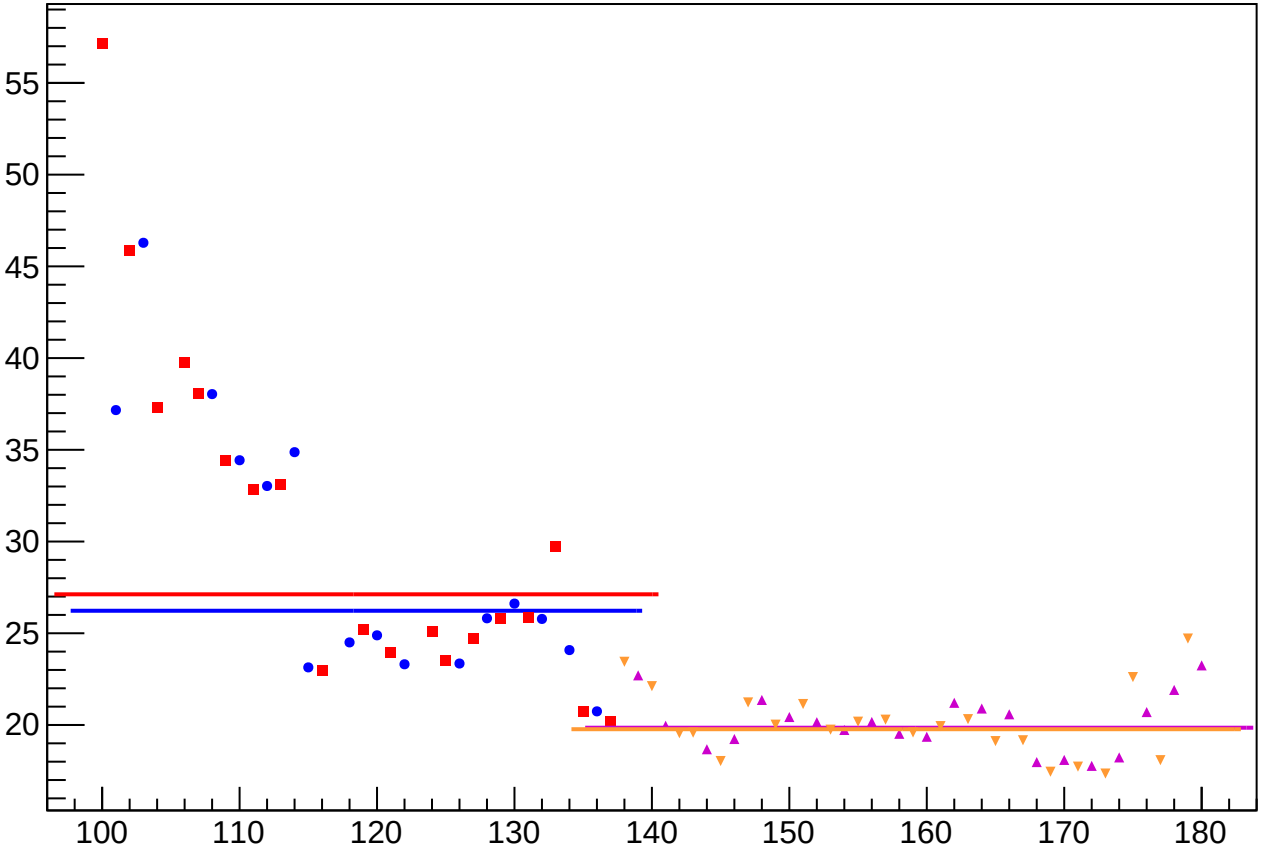
Left In: 8.461+/-4.810 χ^2/NDF:18.5/20

+ sign 2.109+/-4.302 χ^2/NDF: 45.5/37

All: 5.852+/-3.061 χ^2/NDF: 83.9/77

- 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: 19.770+/-0.003 χ^2/NDF:277798.0/21

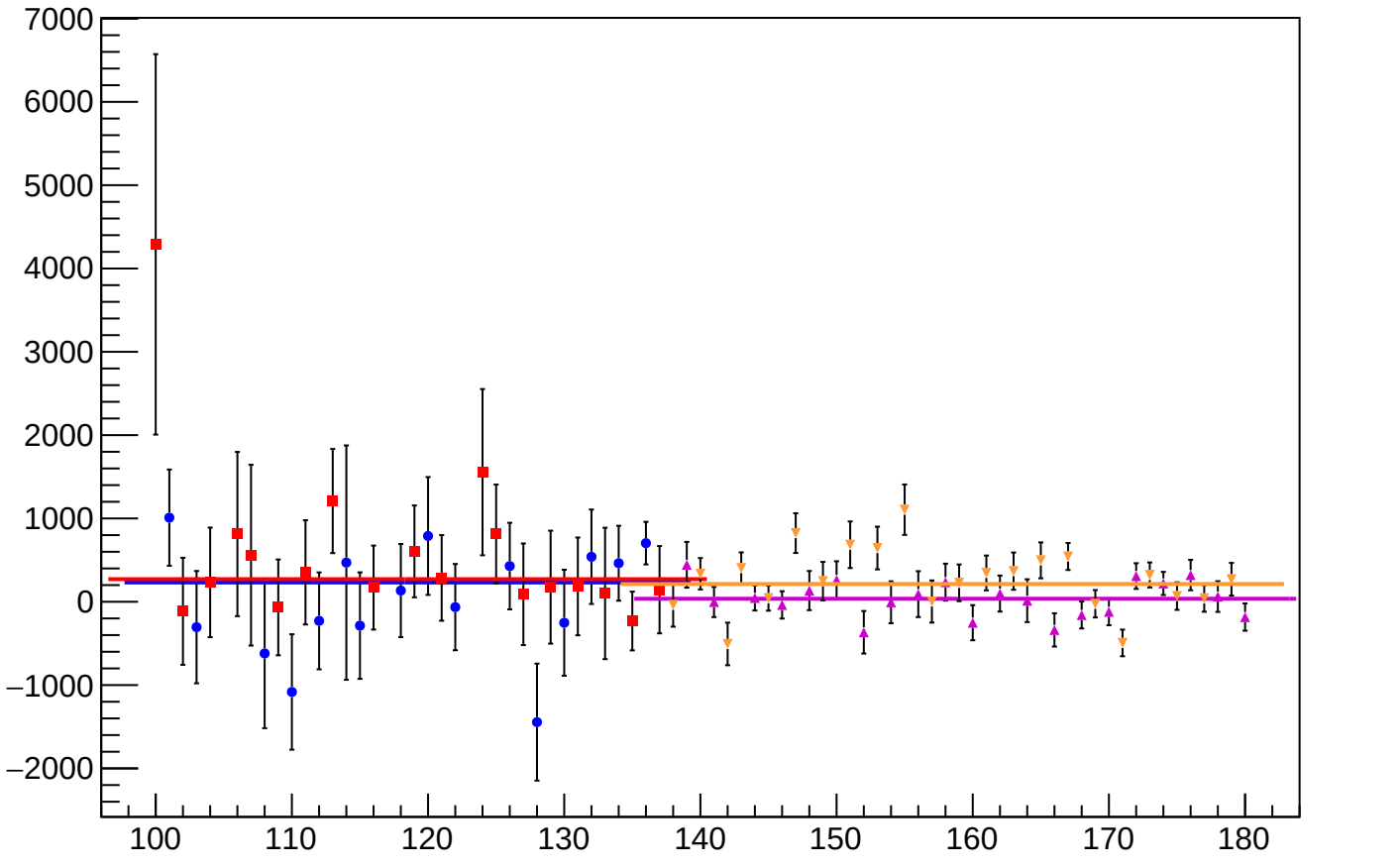
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.851+/-0.003 χ^2/NDF:182752.1/20

+ sign 20.953+/-0.003 χ^2/NDF: 1628458.7/37

All: 21.055+/-0.002 χ^2/NDF: 3381747.3/77

- 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: 213.237+/-41.997 χ^2/NDF:64.2/21

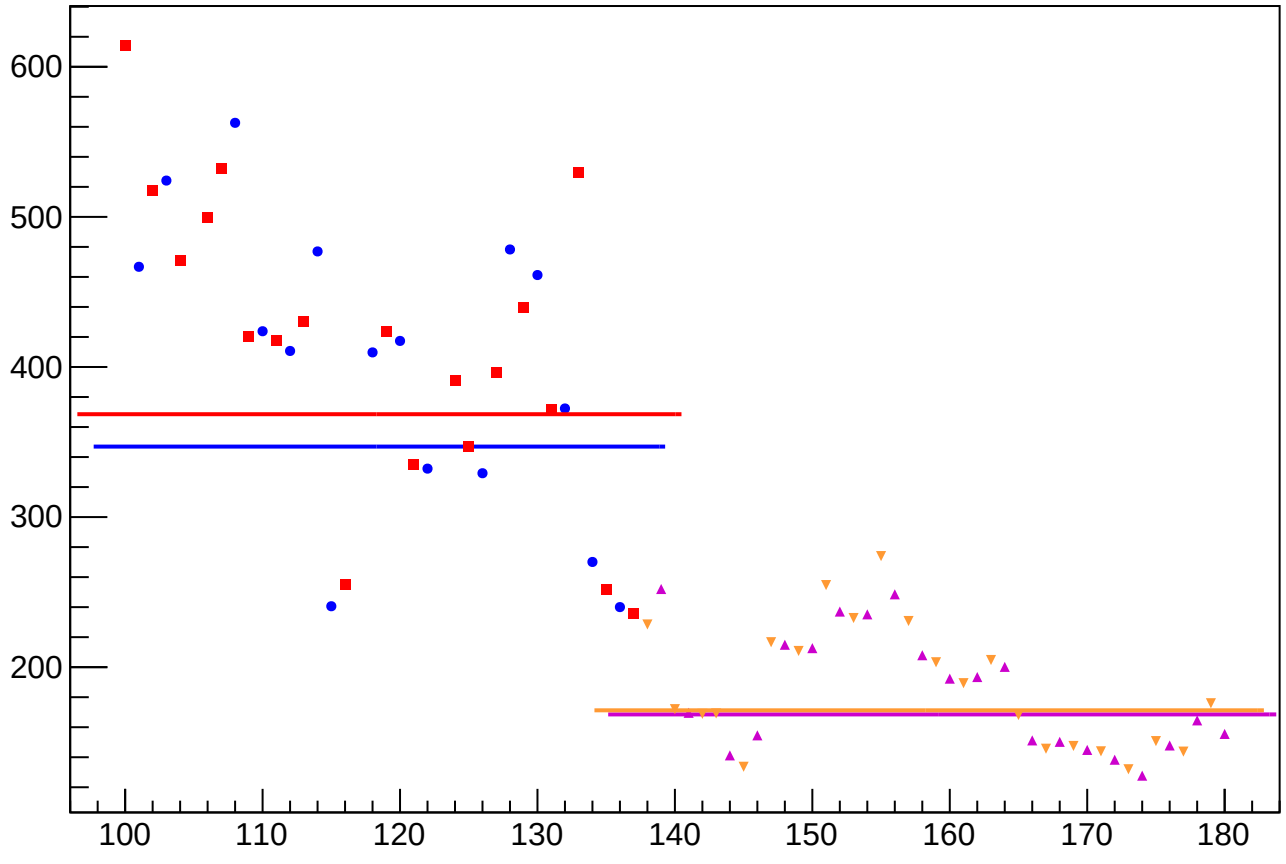
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 35.995+/-41.556 χ^2/NDF:24.0/20

+ sign 214.903+/-40.098 χ^2/NDF: 83.9/37

All: 134.445+/-28.263 χ^2/NDF: 130.1/77

- 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: 171.258+/-0.030 χ^2/NDF:1467816.0/21

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

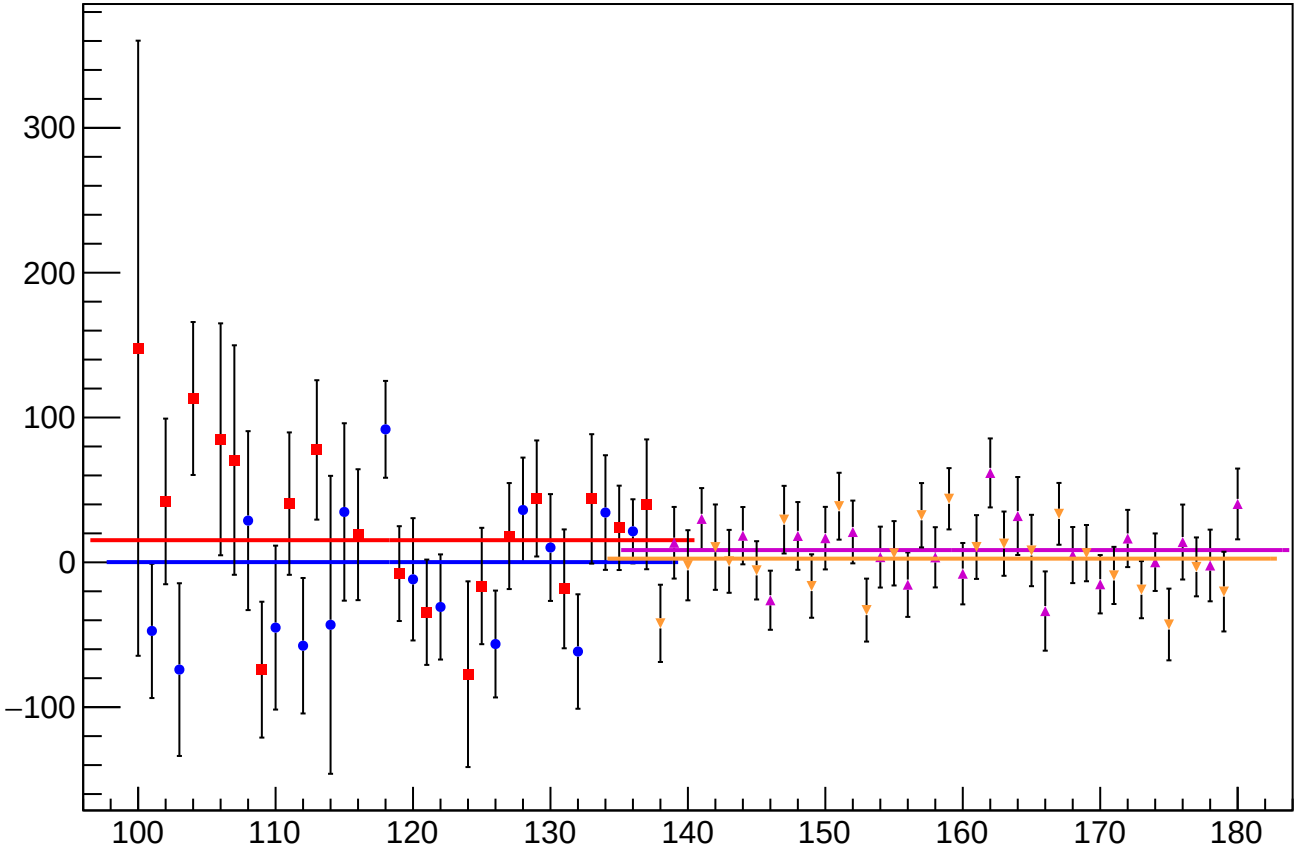
Left In: 168.528+/-0.029 χ^2/NDF:1392169.4/20

+ sign 186.790+/-0.028 χ^2/NDF: 5620432.5/37

All: 185.731+/-0.020 χ^2/NDF: 11658306.8/77

- sign 184.685+/-0.028 χ^2/NDF: 6035102.8/39

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.547+/-4.760 χ^2/NDF:24.1/21

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

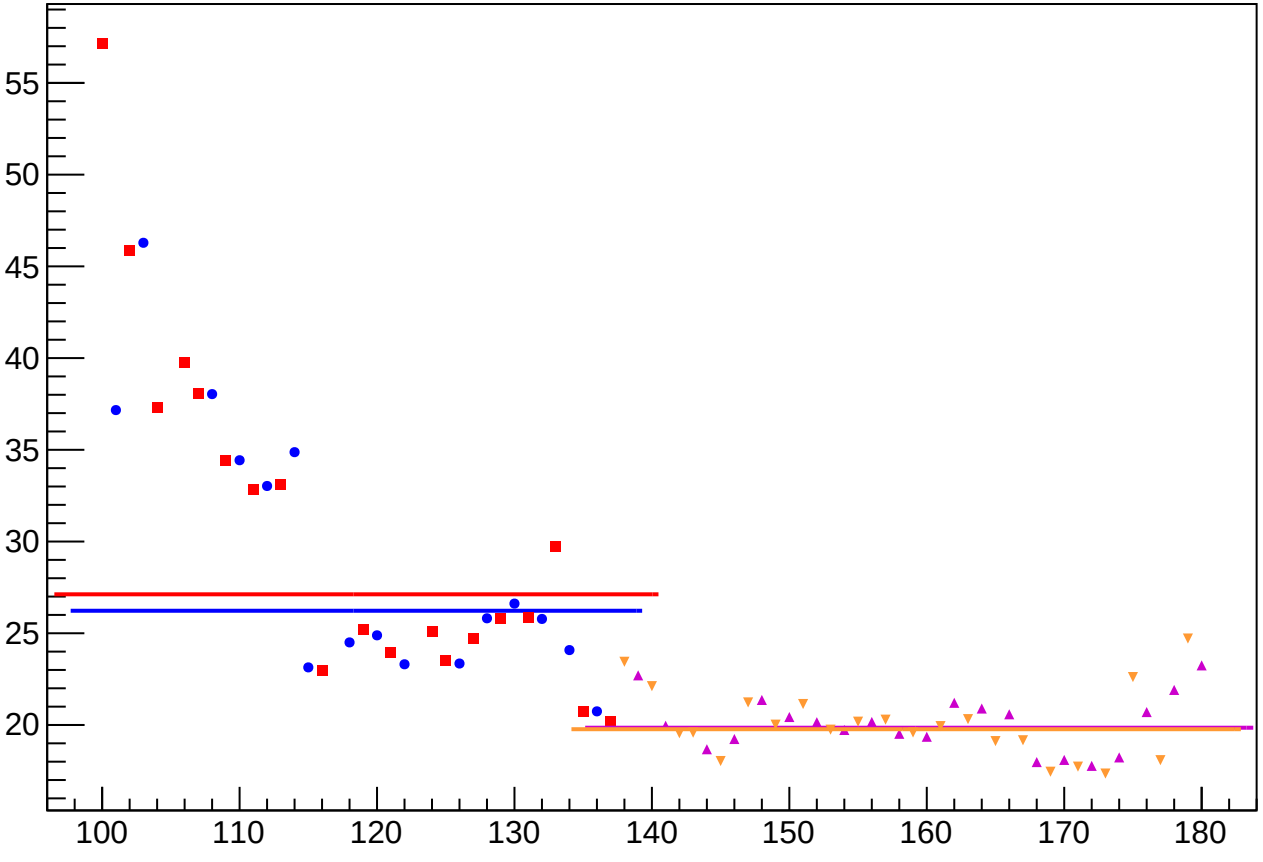
Left In: 8.461+/-4.810 χ^2/NDF:18.5/20

+ sign 2.109+/-4.302 χ^2/NDF: 45.5/37

All: 5.852+/-3.061 χ^2/NDF: 83.9/77

- 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: 19.770+/-0.003 χ^2/NDF:277798.0/21

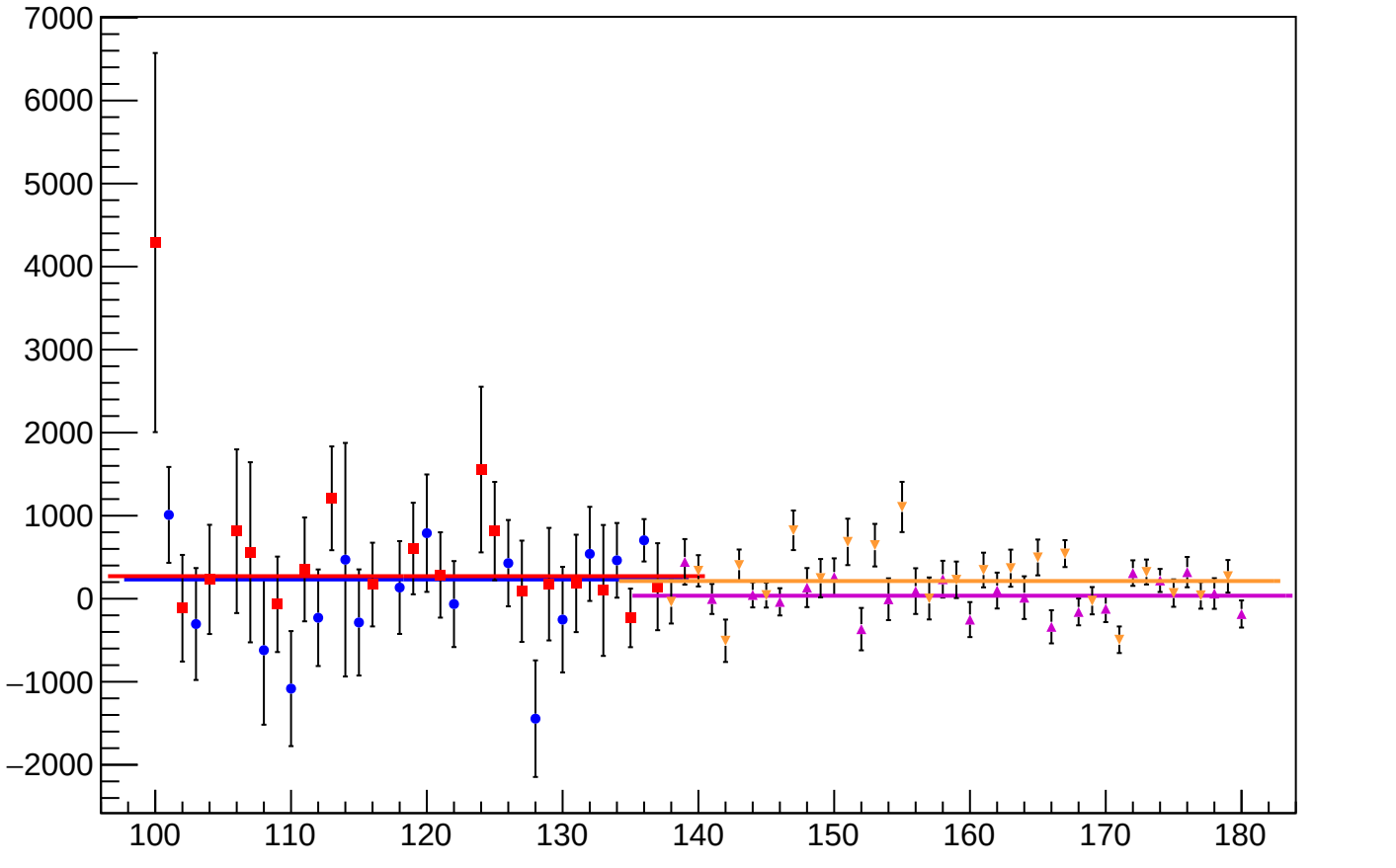
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.851+/-0.003 χ^2/NDF:182752.1/20

+ sign 20.953+/-0.003 χ^2/NDF: 1628458.7/37

All: 21.055+/-0.002 χ^2/NDF: 3381747.3/77

- 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: 213.237+/-41.997 χ^2/NDF:64.2/21

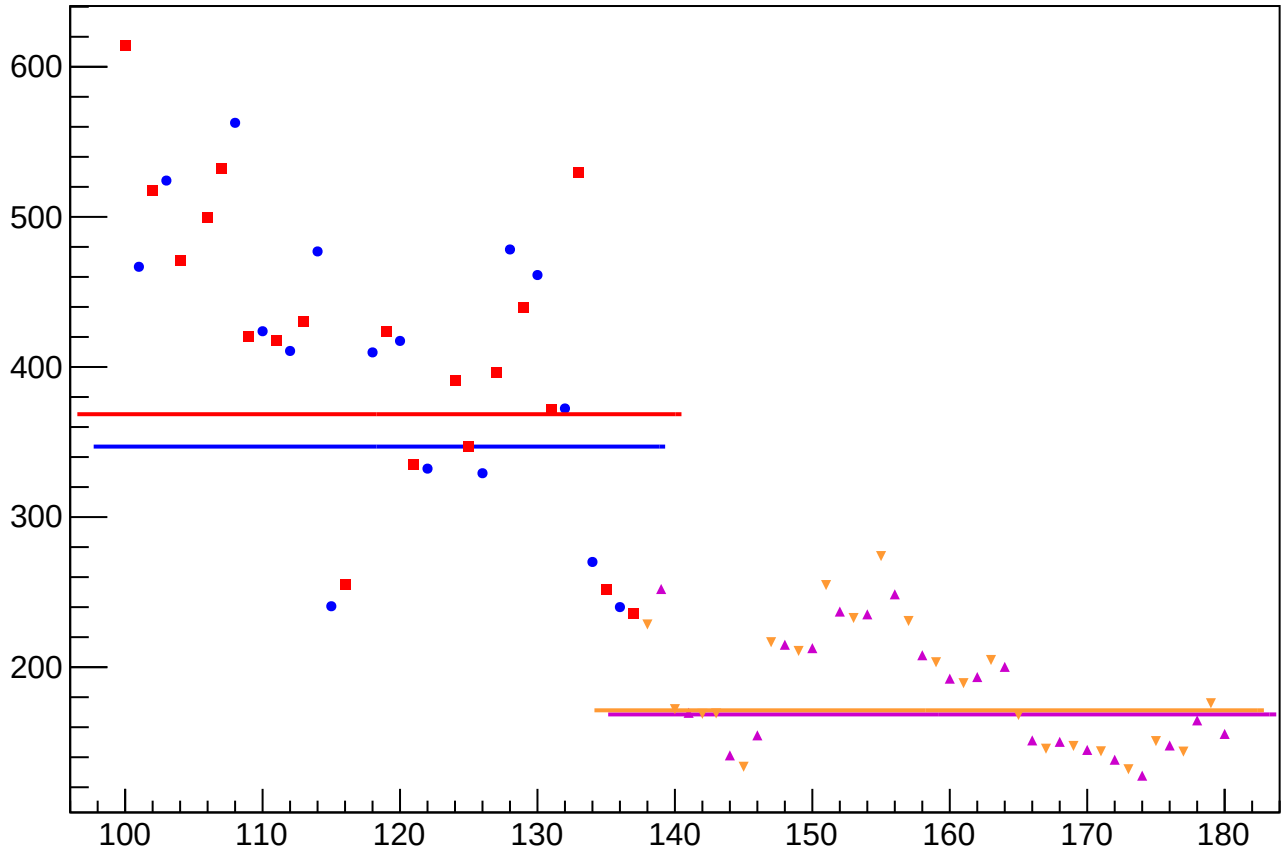
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 35.995+/-41.556 χ^2/NDF:24.0/20

+ sign 214.903+/-40.098 χ^2/NDF: 83.9/37

All: 134.445+/-28.263 χ^2/NDF: 130.1/77

- 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: 171.258+/-0.030 χ^2/NDF:1467816.0/21

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

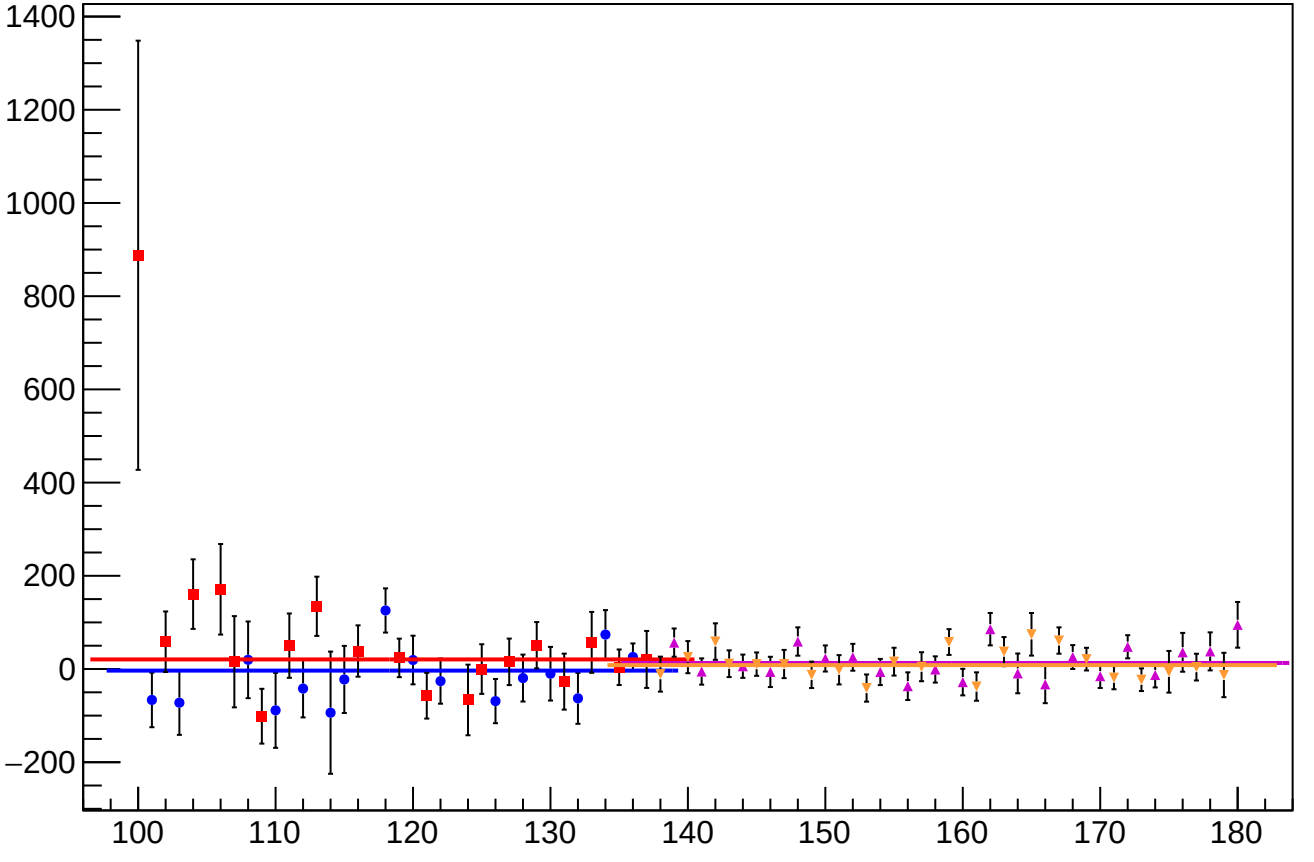
Left In: 168.528+/-0.029 χ^2/NDF:1392169.4/20

+ sign 186.790+/-0.028 χ^2/NDF: 5620432.5/37

All: 185.731+/-0.020 χ^2/NDF: 11658306.8/77

- 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: 8.353+/-6.458 χ^2/NDF:21.1/21

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

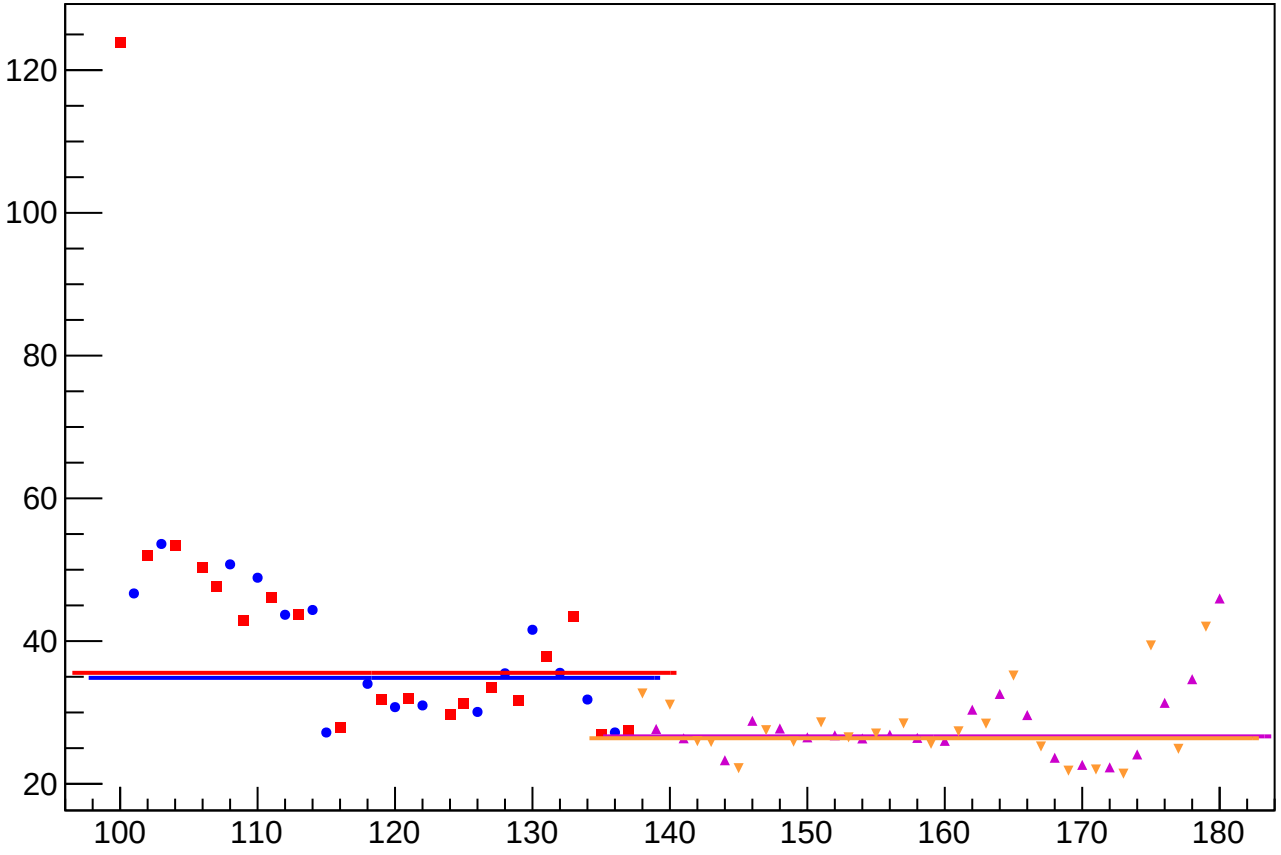
Left In: 12.974+/-6.588 χ^2/NDF:24.9/20

+ sign 6.131+/-5.817 χ^2/NDF: 40.2/37

All: 10.213+/-4.149 χ^2/NDF: 89.5/77

- 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: 26.389+/-0.005 χ^2/NDF:867297.7/21

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

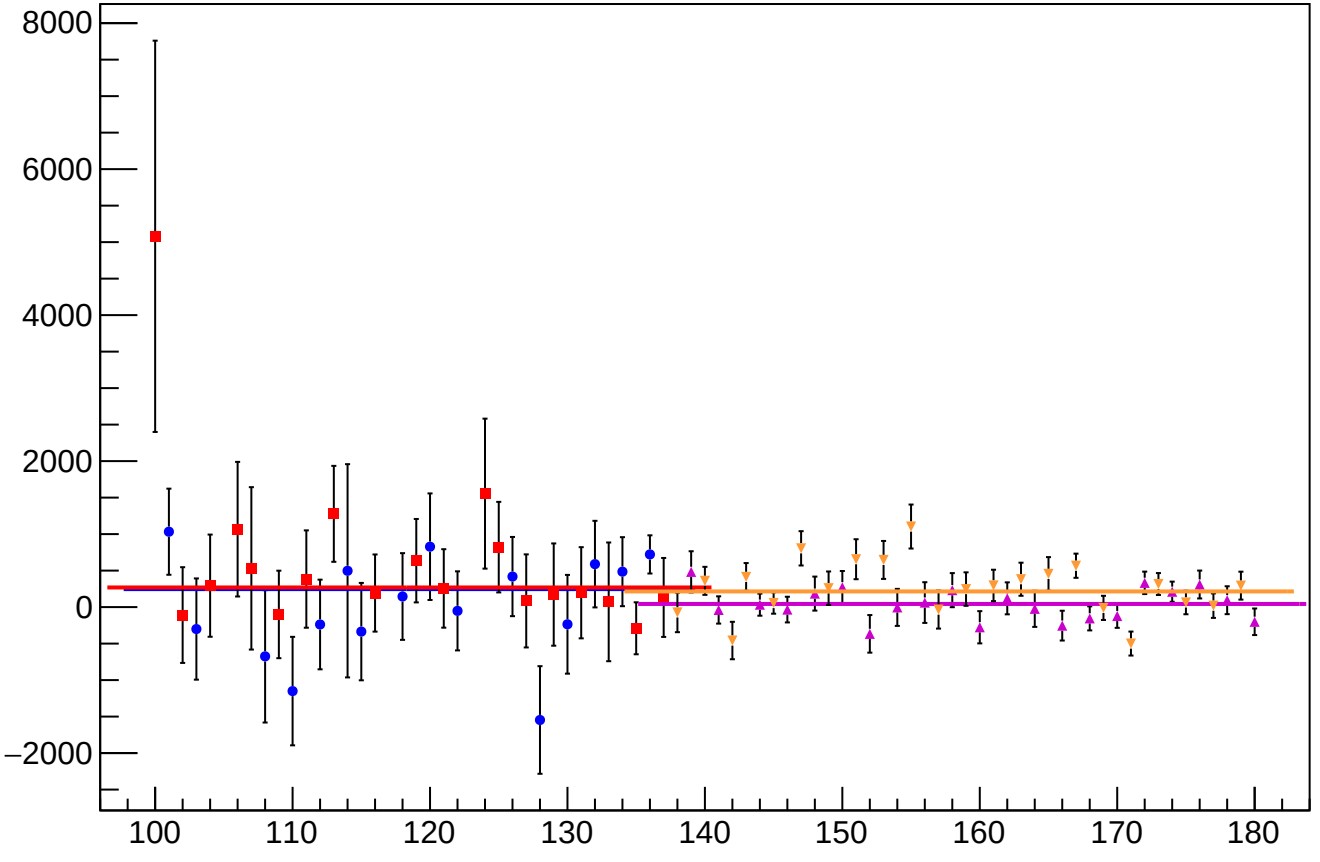
Left In: 26.651+/-0.005 χ^2/NDF:693369.7/20

+ sign 27.986+/-0.004 χ^2/NDF: 2173105.3/37

All: 28.174+/-0.003 χ^2/NDF: 4355131.0/77

- sign 28.368+/-0.004 χ^2/NDF: 2177778.5/39

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 214.729+/-42.412 χ^2/NDF:62.1/21

Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

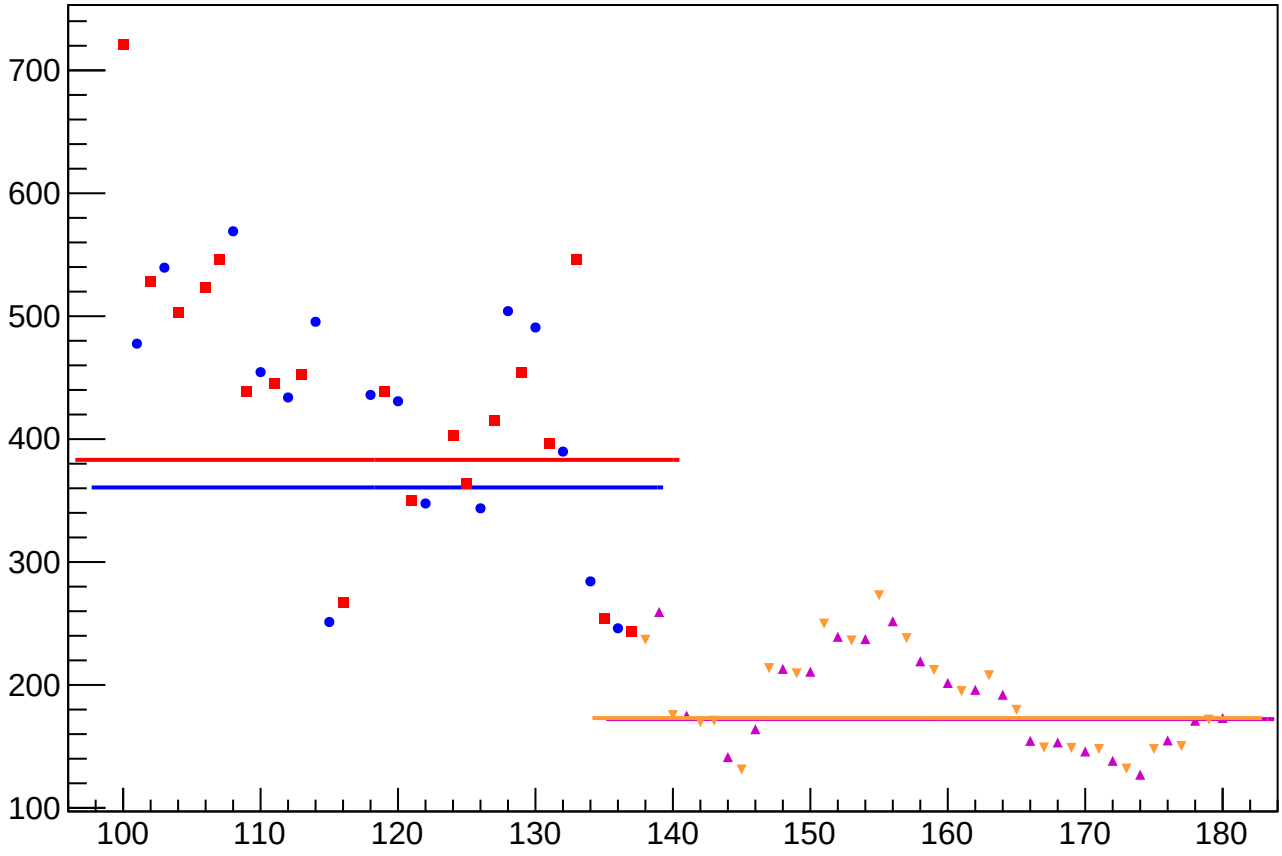
Left In: 42.993+/-42.491 χ^2/NDF:23.2/20

+ sign 217.391+/-40.597 χ^2/NDF: 81.9/37

All: 139.449+/-28.772 χ^2/NDF: 127.3/77

- 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: 173.058+/-0.030 χ^2/NDF:1499843.3/21

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

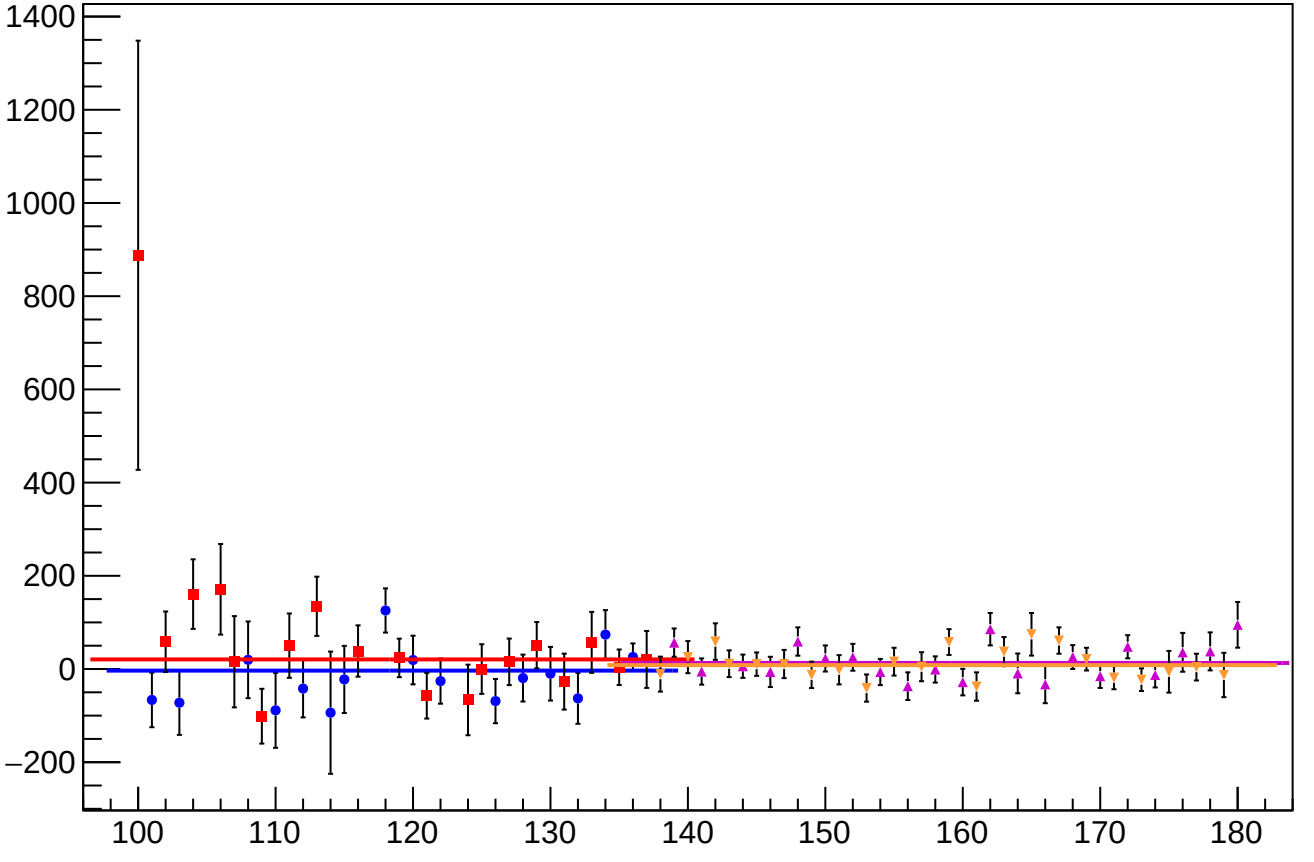
Left In: 172.253+/-0.030 χ^2/NDF:1406477.4/20

+ sign 188.774+/-0.029 χ^2/NDF: 5871320.0/37

All: 188.821+/-0.020 χ^2/NDF: 12122013.7/77

- 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: 8.353+/-6.458 χ^2/NDF:21.1/21

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

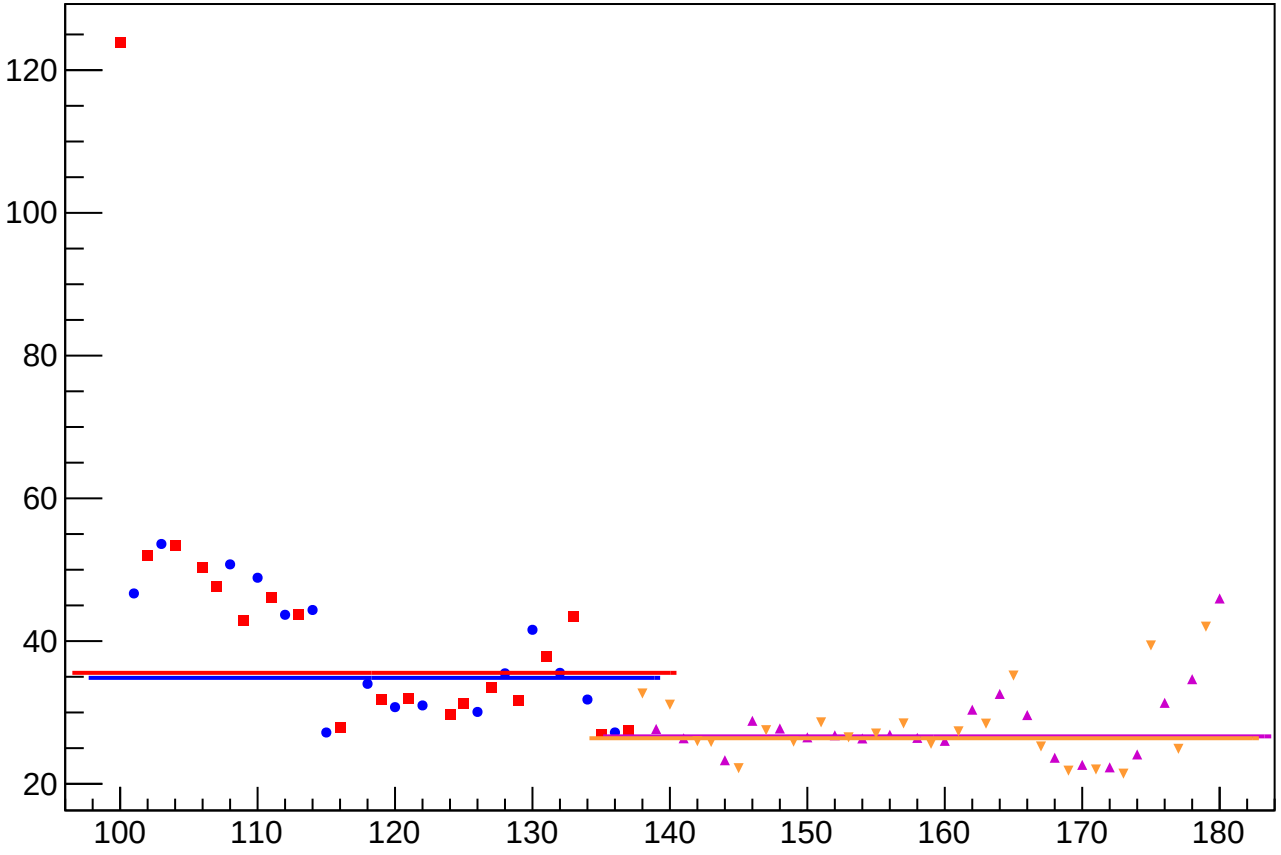
Left In: 12.974+/-6.588 χ^2/NDF:24.9/20

+ sign 6.131+/-5.817 χ^2/NDF: 40.2/37

All: 10.213+/-4.149 χ^2/NDF: 89.5/77

- 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: 26.389+/-0.005 χ^2/NDF:867311.9/21

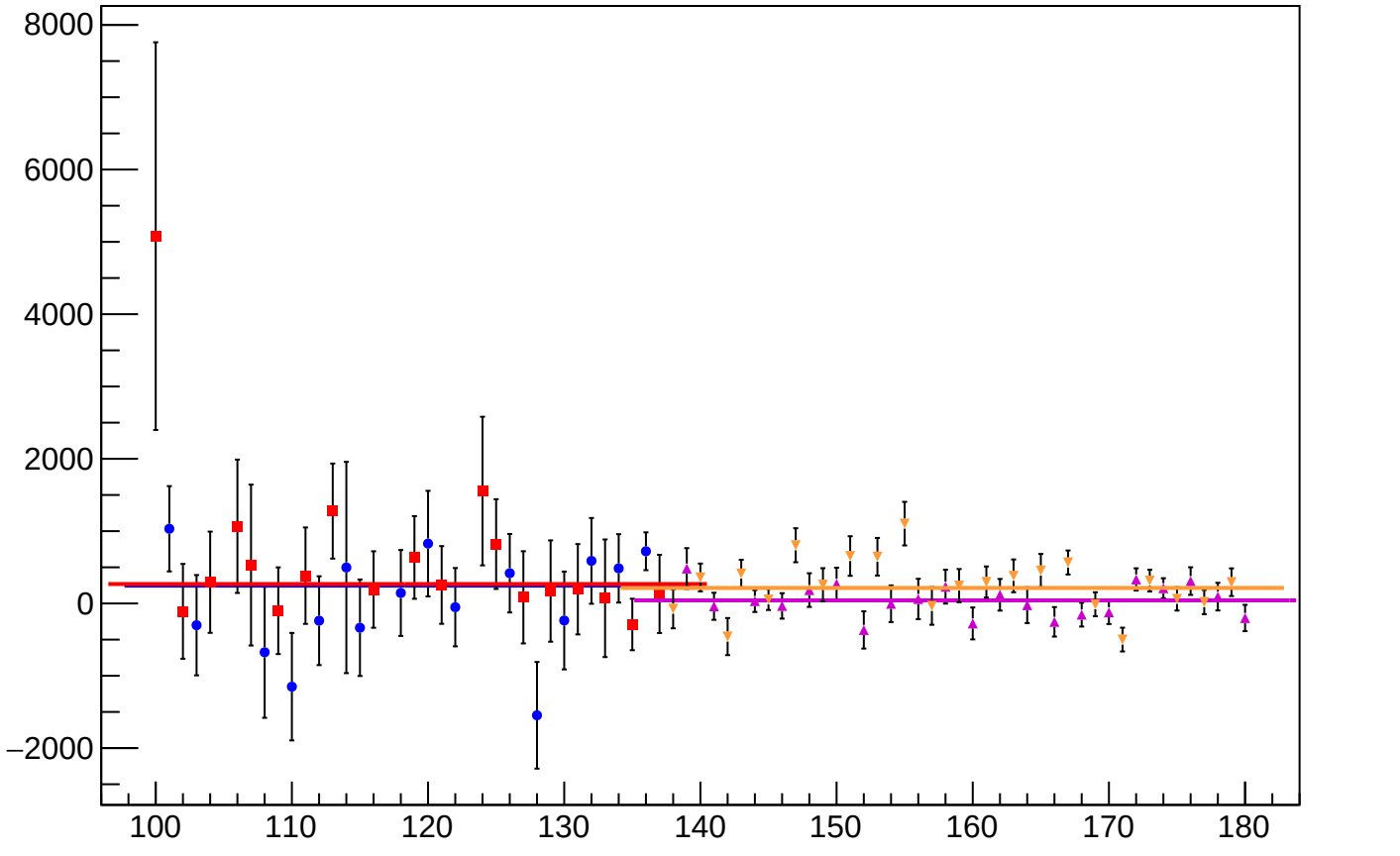
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.651+/-0.005 χ^2/NDF:693346.9/20

+ sign 27.986+/-0.004 χ^2/NDF: 2172993.3/37

All: 28.174+/-0.003 χ^2/NDF: 4354905.2/77

- sign 28.368+/-0.004 χ^2/NDF: 2177665.0/39



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 214.728+/-42.412 χ^2/NDF:62.1/21

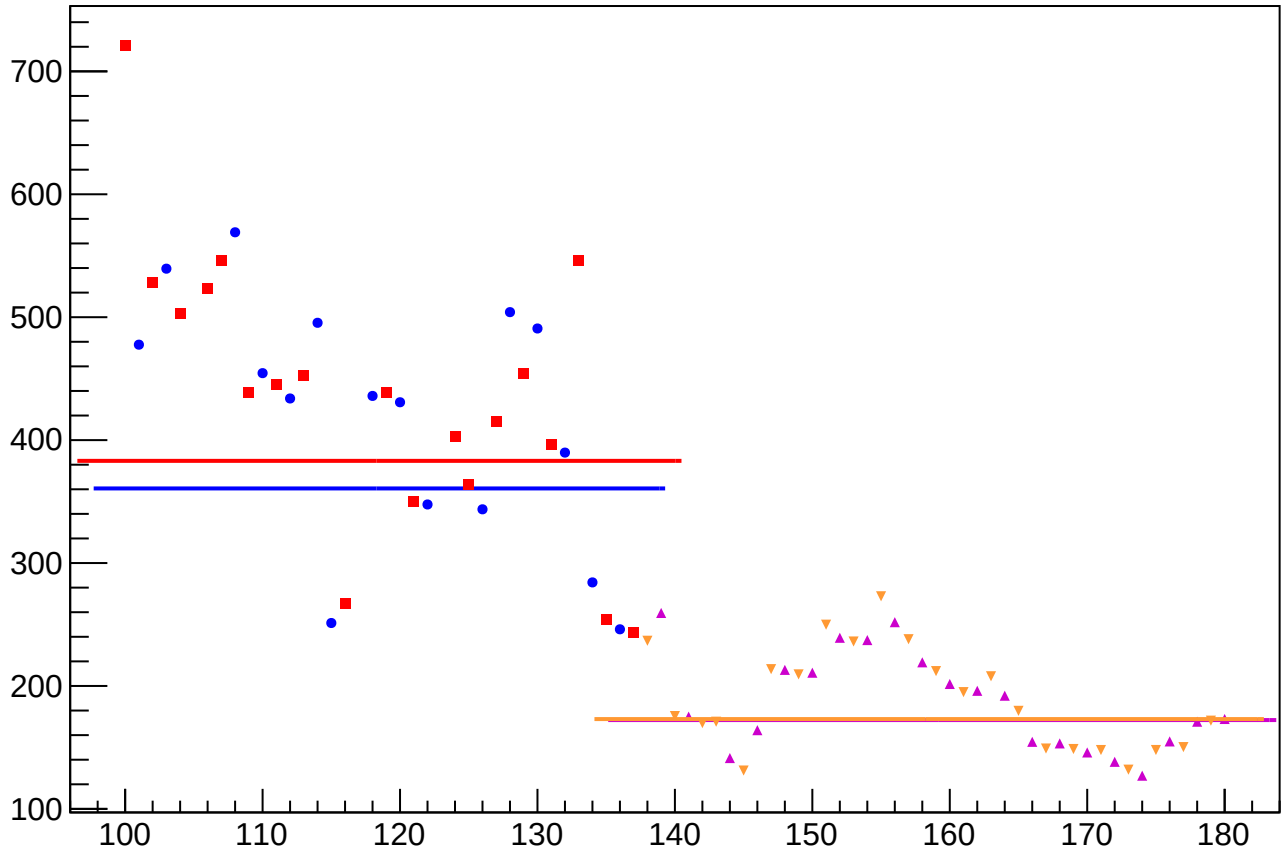
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 42.992+/-42.491 χ^2/NDF:23.2/20

+ sign 217.390+/-40.597 χ^2/NDF: 81.9/37

All: 139.448+/-28.772 χ^2/NDF: 127.3/77

- 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: 173.058+/-0.030 χ^2/NDF:1499859.8/21

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

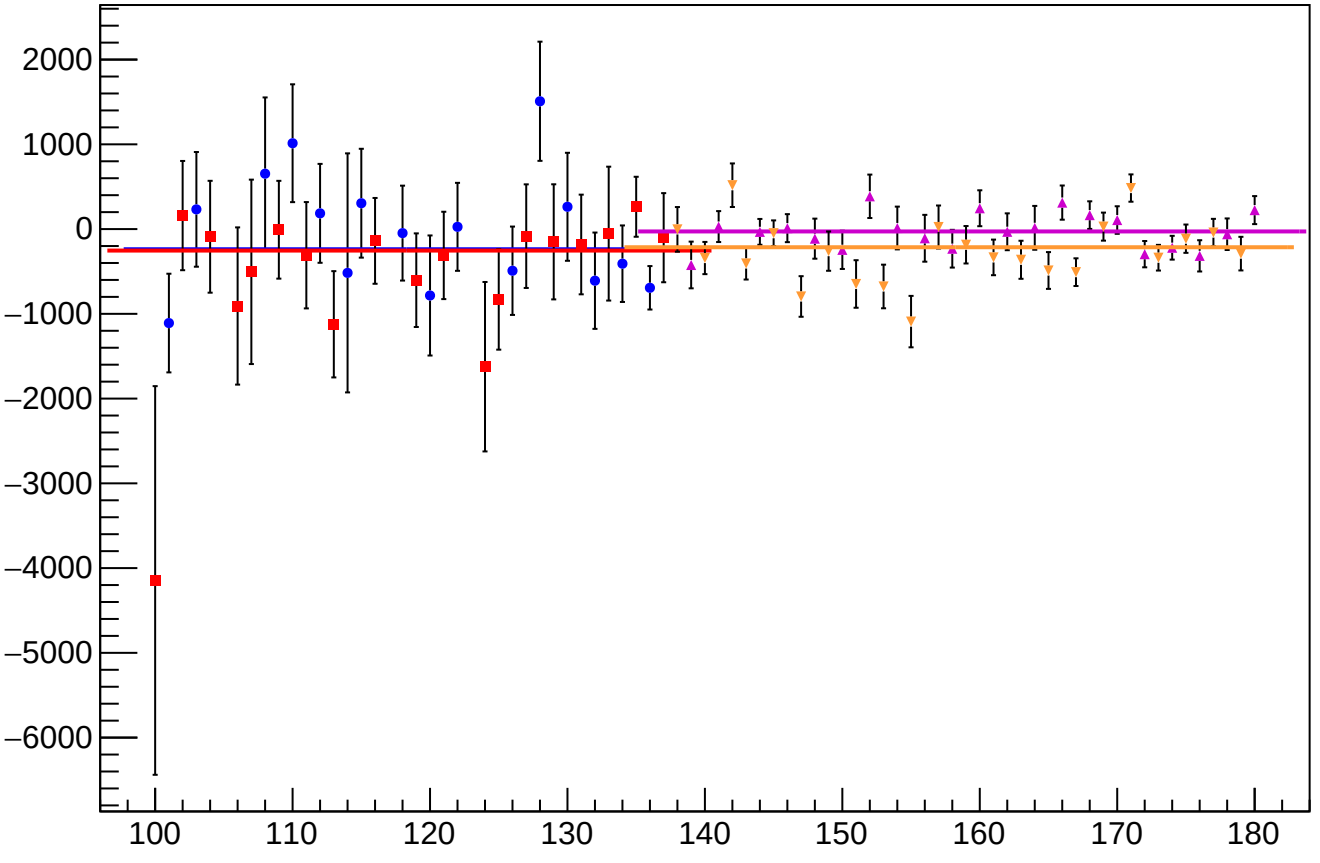
Left In: 172.252+/-0.030 χ^2/NDF:1406491.4/20

+ sign 188.774+/-0.029 χ^2/NDF: 5871335.3/37

All: 188.820+/-0.020 χ^2/NDF: 12122051.7/77

- 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: -214.226+/-42.305 χ^2/NDF:61.1/21

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

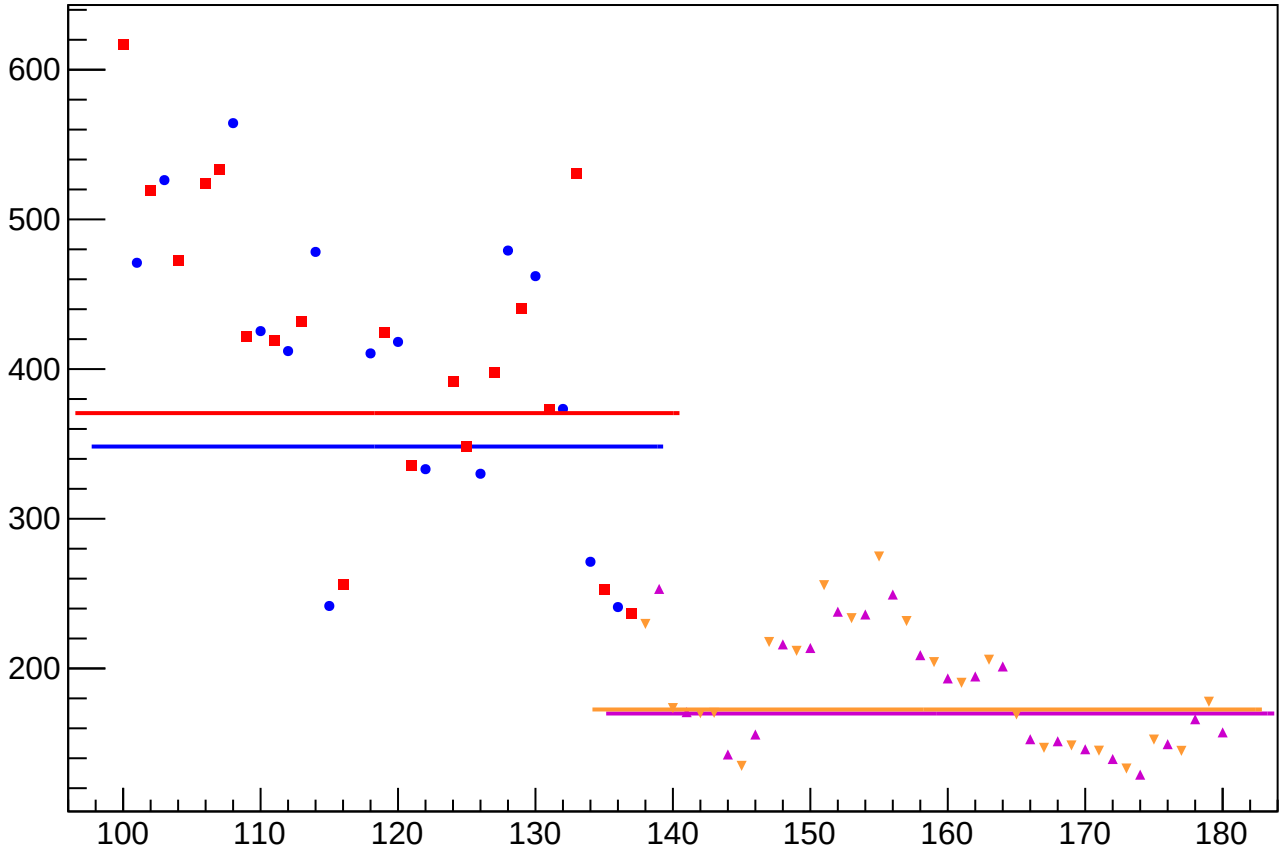
Left In: -27.809+/-41.876 χ^2/NDF:23.1/20

+ sign -216.346+/-40.378 χ^2/NDF: 81.0/37

All: -130.767+/-28.463 χ^2/NDF: 127.1/77

- 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: 172.583+/-0.030 χ^2/NDF:1443257.8/21

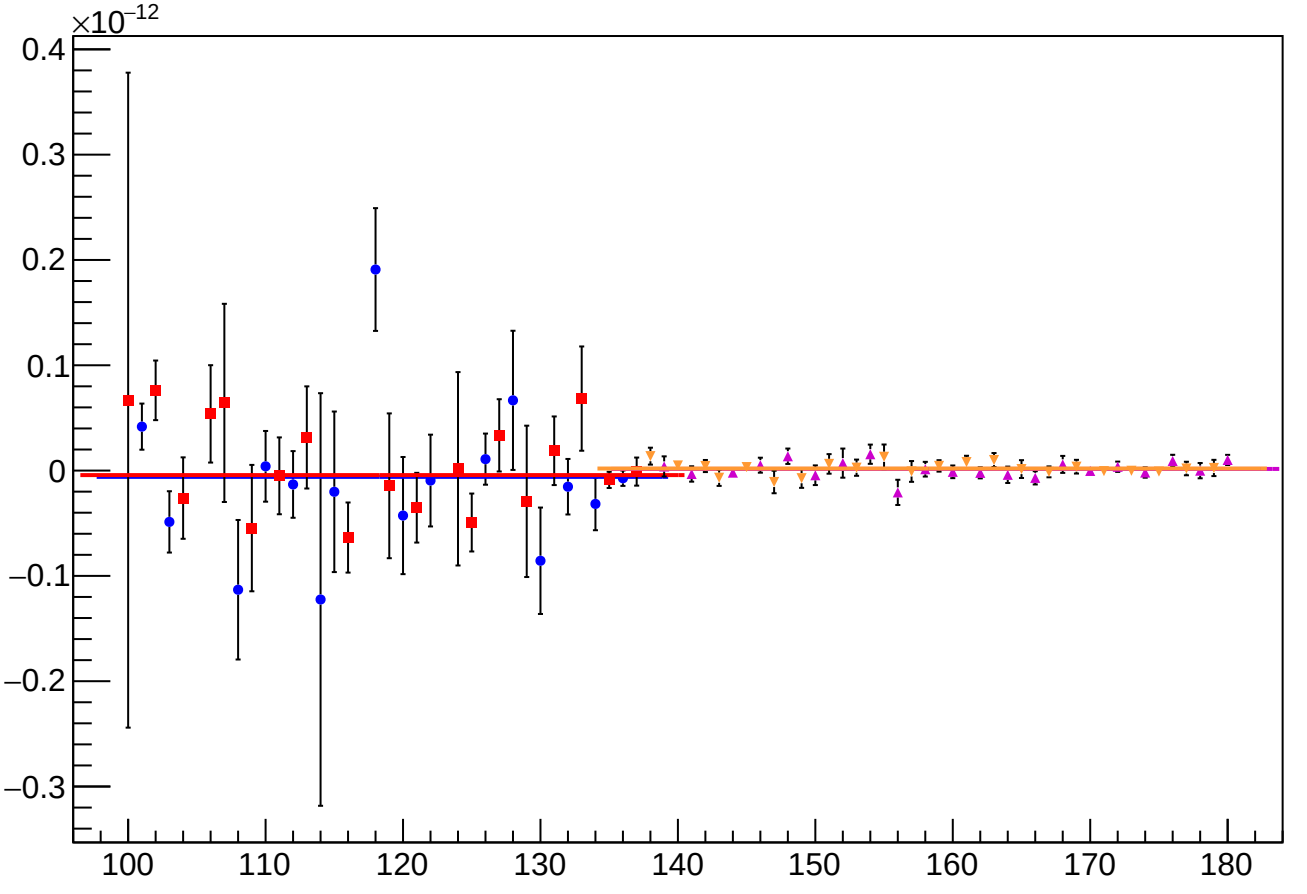
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 169.901+/-0.030 χ^2/NDF:1365171.9/20

+ sign 188.217+/-0.029 χ^2/NDF: 5569344.0/37

All: 187.249+/-0.020 χ^2/NDF: 11606445.3/77

- 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:12.6/21

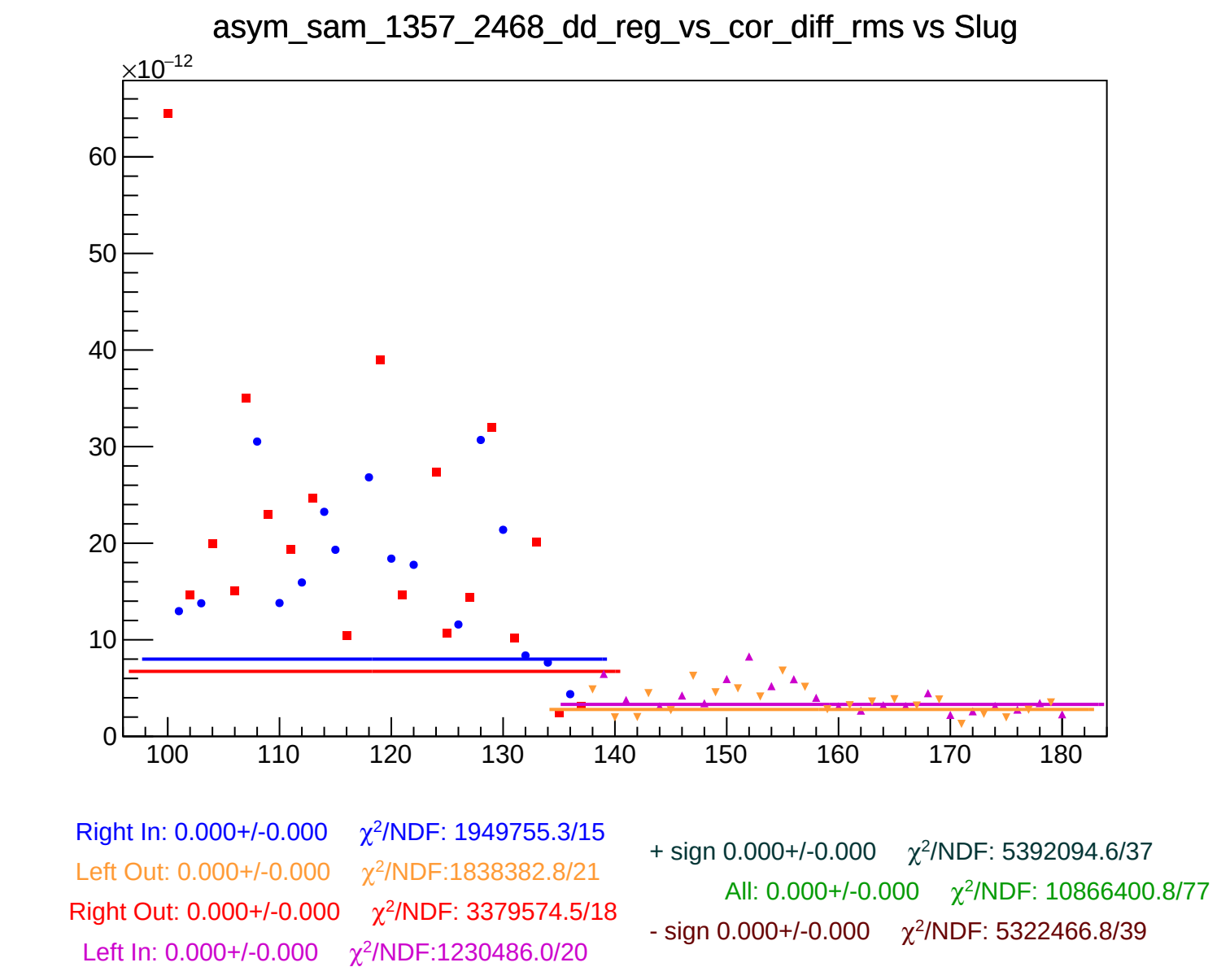
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

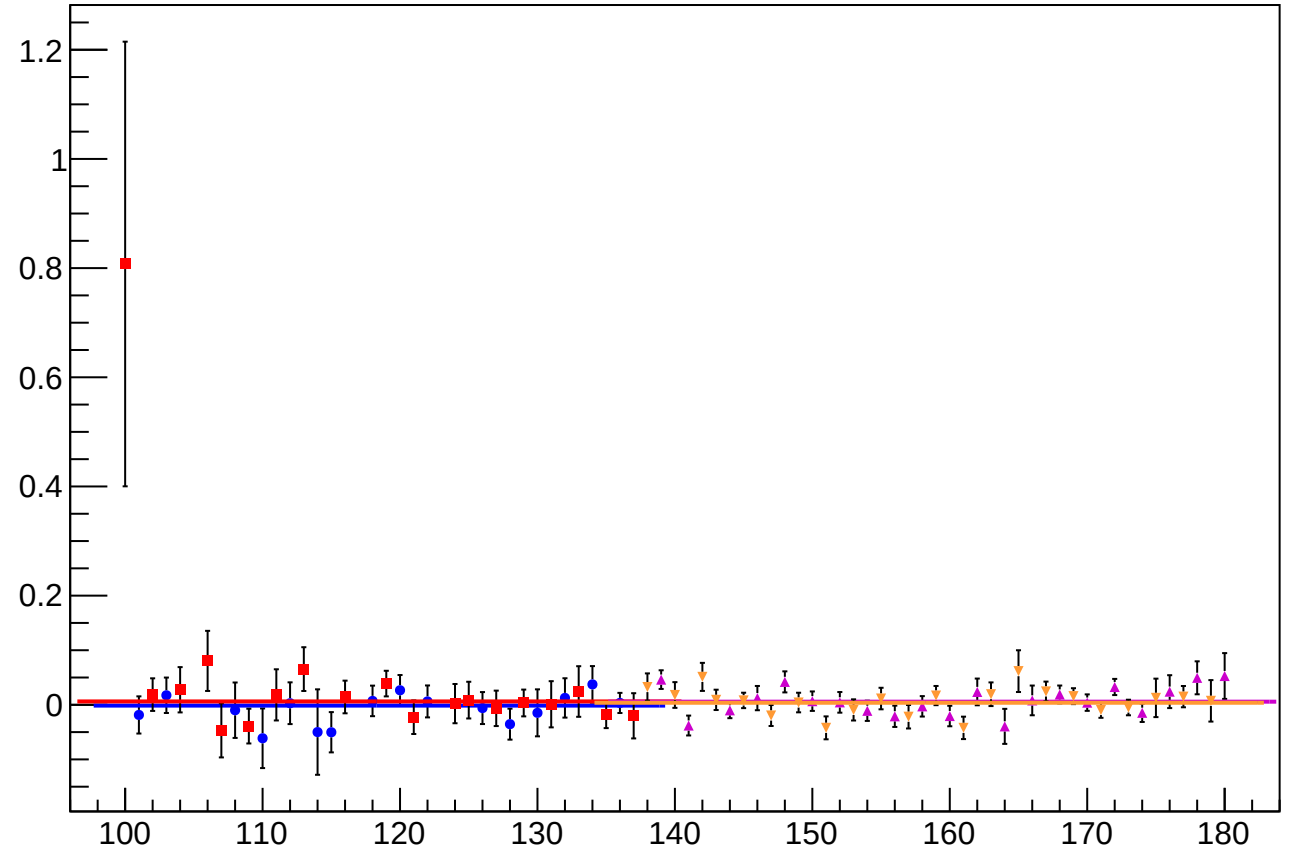
Left In: 0.000+/-0.000 χ^2/NDF:19.4/20

+ sign 0.000+/-0.000 χ^2/NDF: 41.8/37

All: 0.000+/-0.000 χ^2/NDF: 85.2/77

- 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:1838382.8/21
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: 5392094.6/37
All: 0.000+/-0.000 χ²/NDF: 10866400.8/77
- sign 0.000+/-0.000 χ²/NDF: 5322466.8/39



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

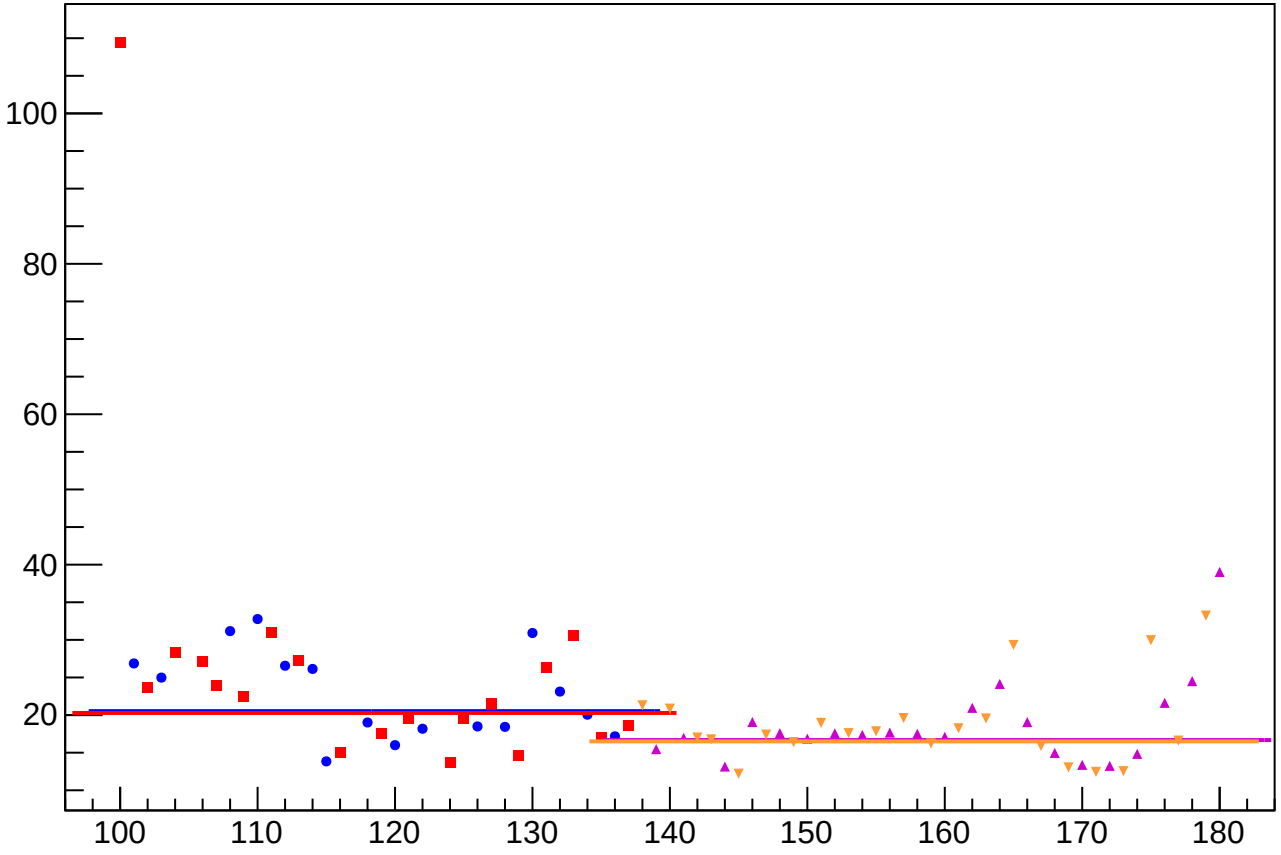
Left In: 0.006+/-0.004 χ^2/NDF:32.7/20

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/37

All: 0.004+/-0.003 χ^2/NDF: 83.5/77

- sign 0.006+/-0.004 χ^2/NDF: 48.9/39

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.502+/-0.003 χ^2/NDF:1806154.8/21

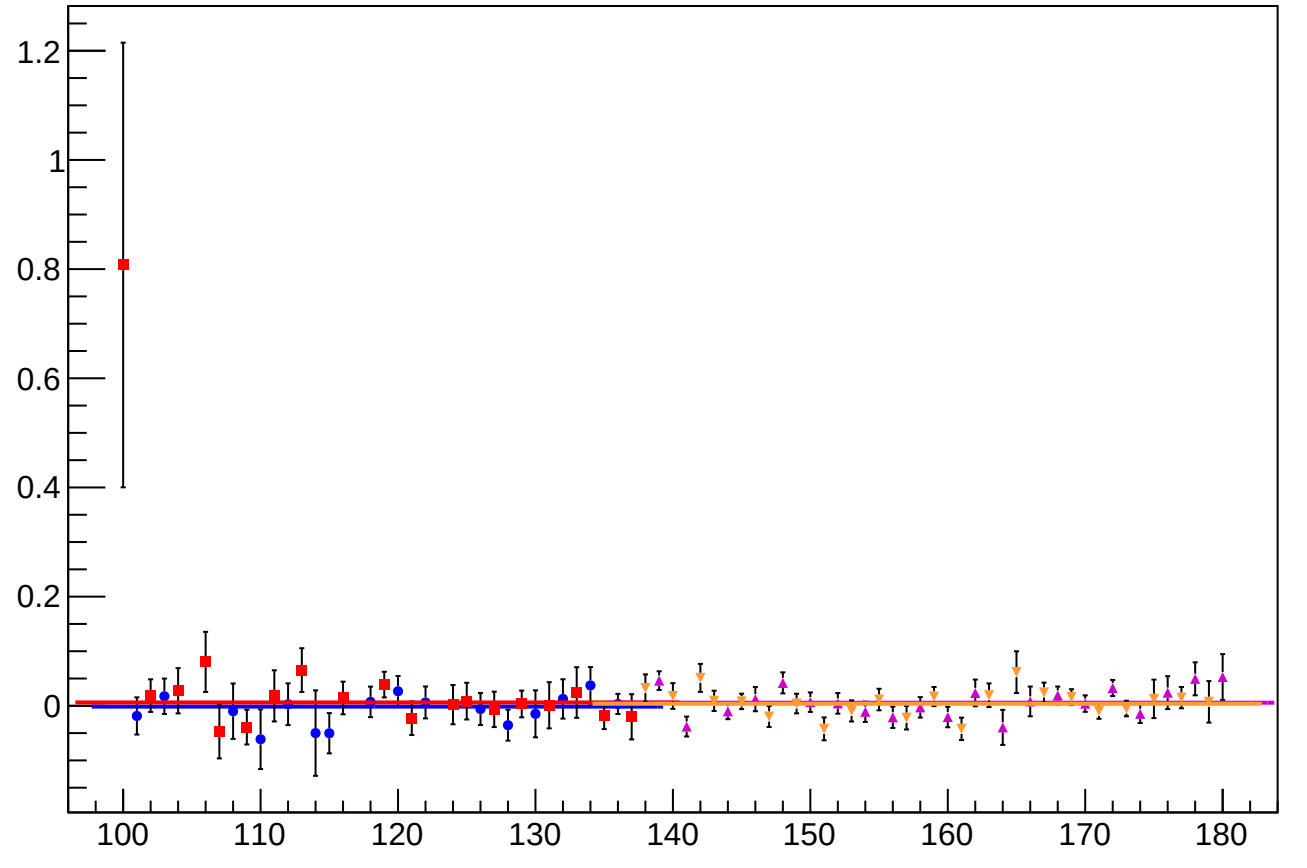
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.677+/-0.003 χ^2/NDF:1364623.5/20

\+ sign 17.340+/-0.003 χ^2/NDF: 2905788.3/37

All: 17.409+/-0.002 χ^2/NDF: 5461161.9/77

\- 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: 0.004+/-0.004 χ^2/NDF:25.6/21

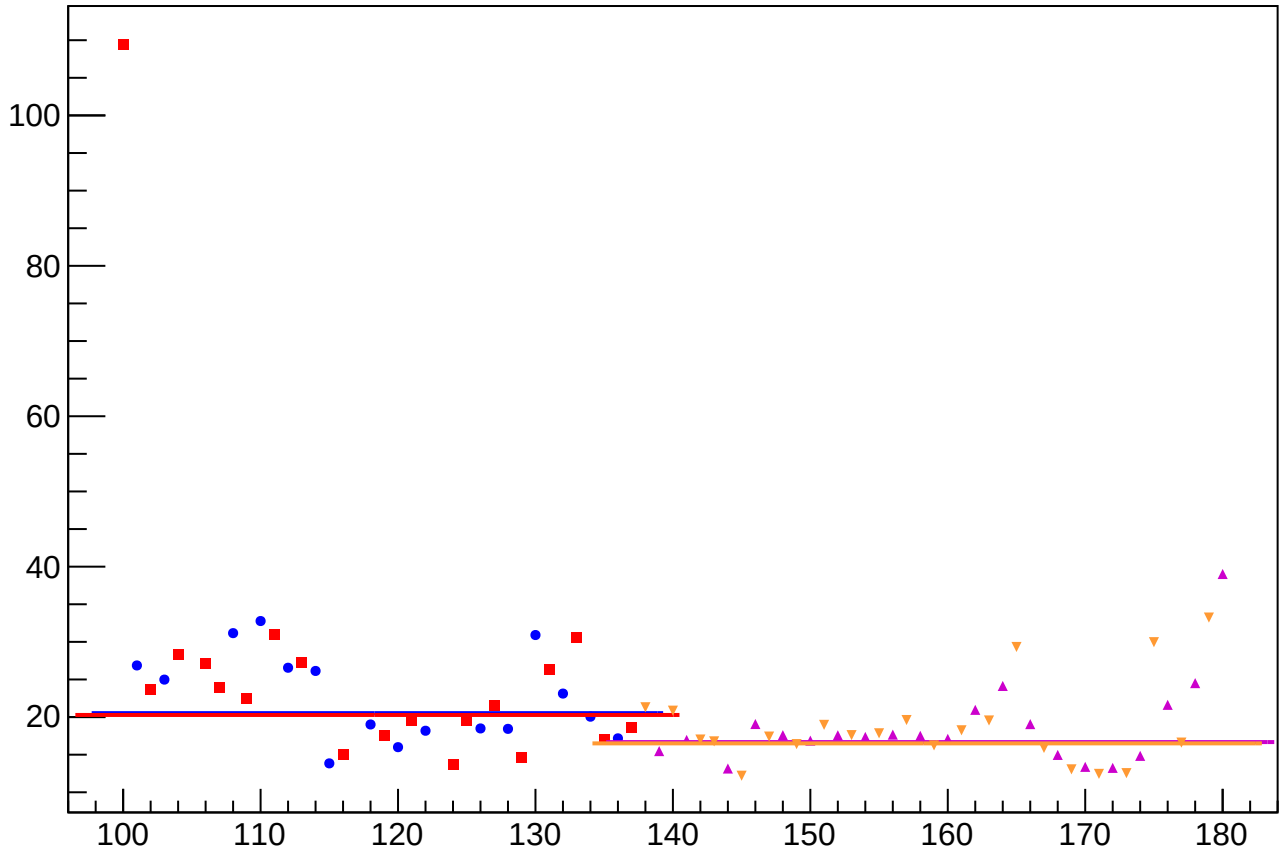
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.006+/-0.004 χ^2/NDF:32.7/20

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/37

All: 0.004+/-0.003 χ^2/NDF: 83.5/77

- 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: 16.502+/-0.003 χ^2/NDF:1806154.8/21

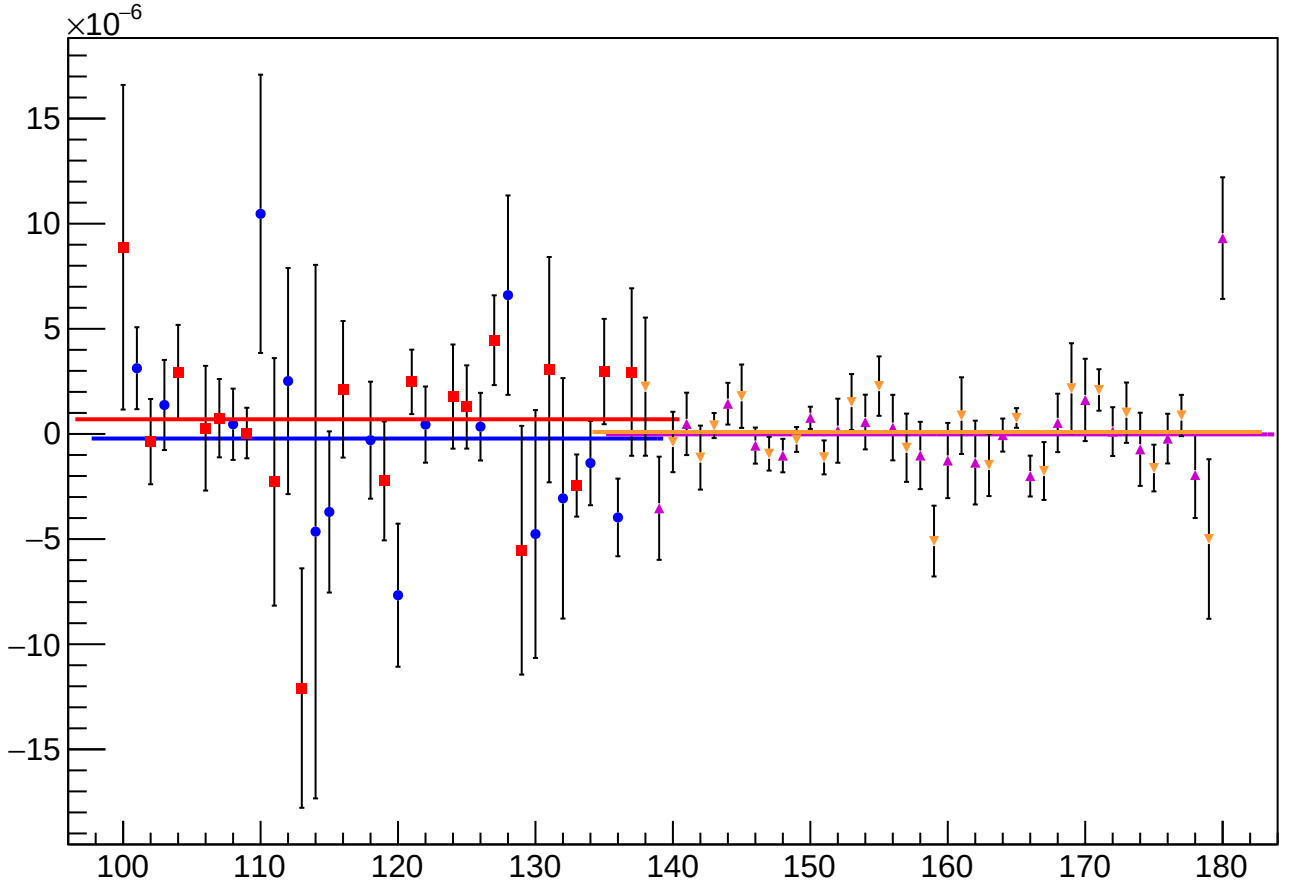
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.677+/-0.003 χ^2/NDF:1364623.5/20

\+ sign 17.340+/-0.003 χ^2/NDF: 2905788.3/37

All: 17.409+/-0.002 χ^2/NDF: 5461161.9/77

\- 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:35.7/21

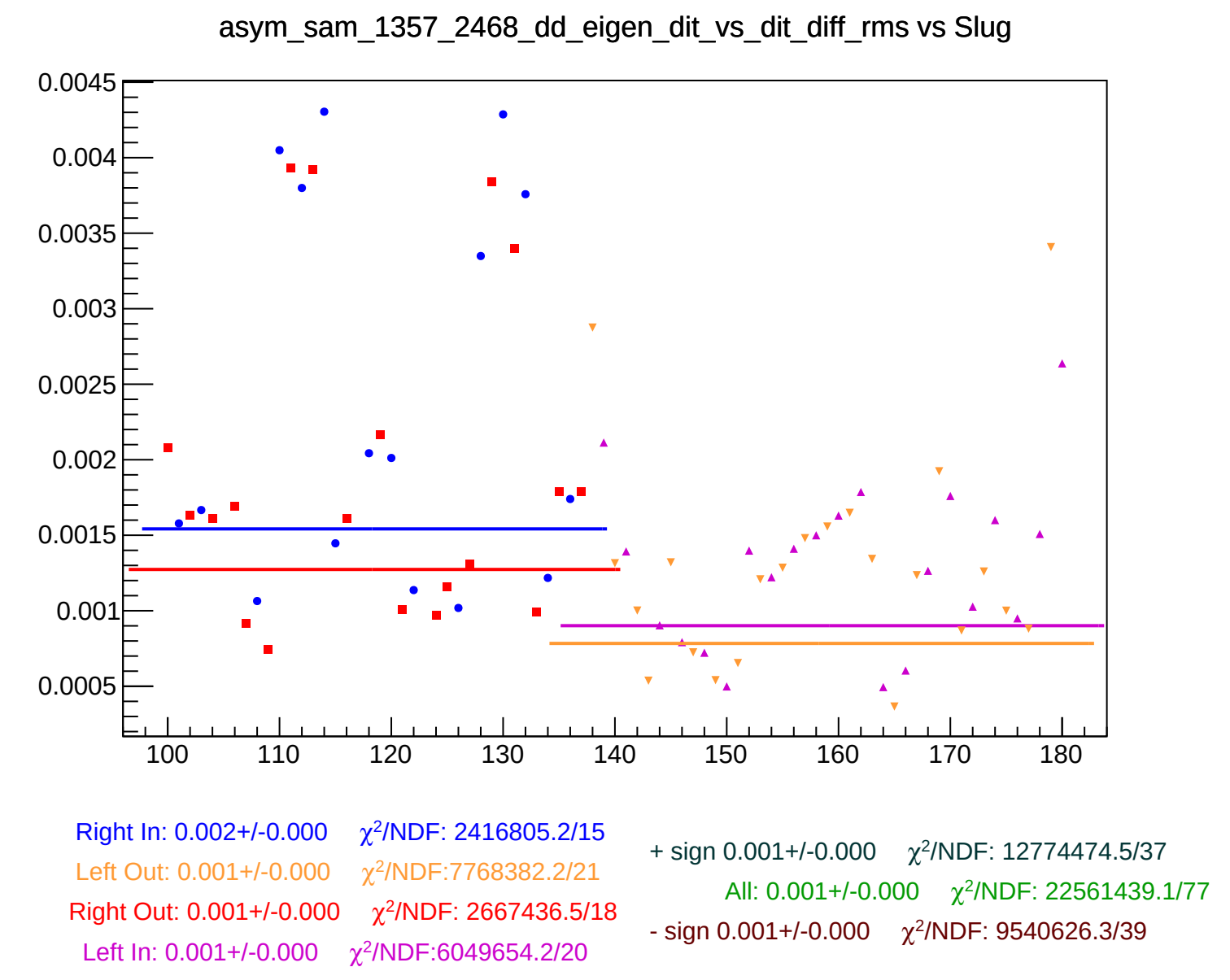
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

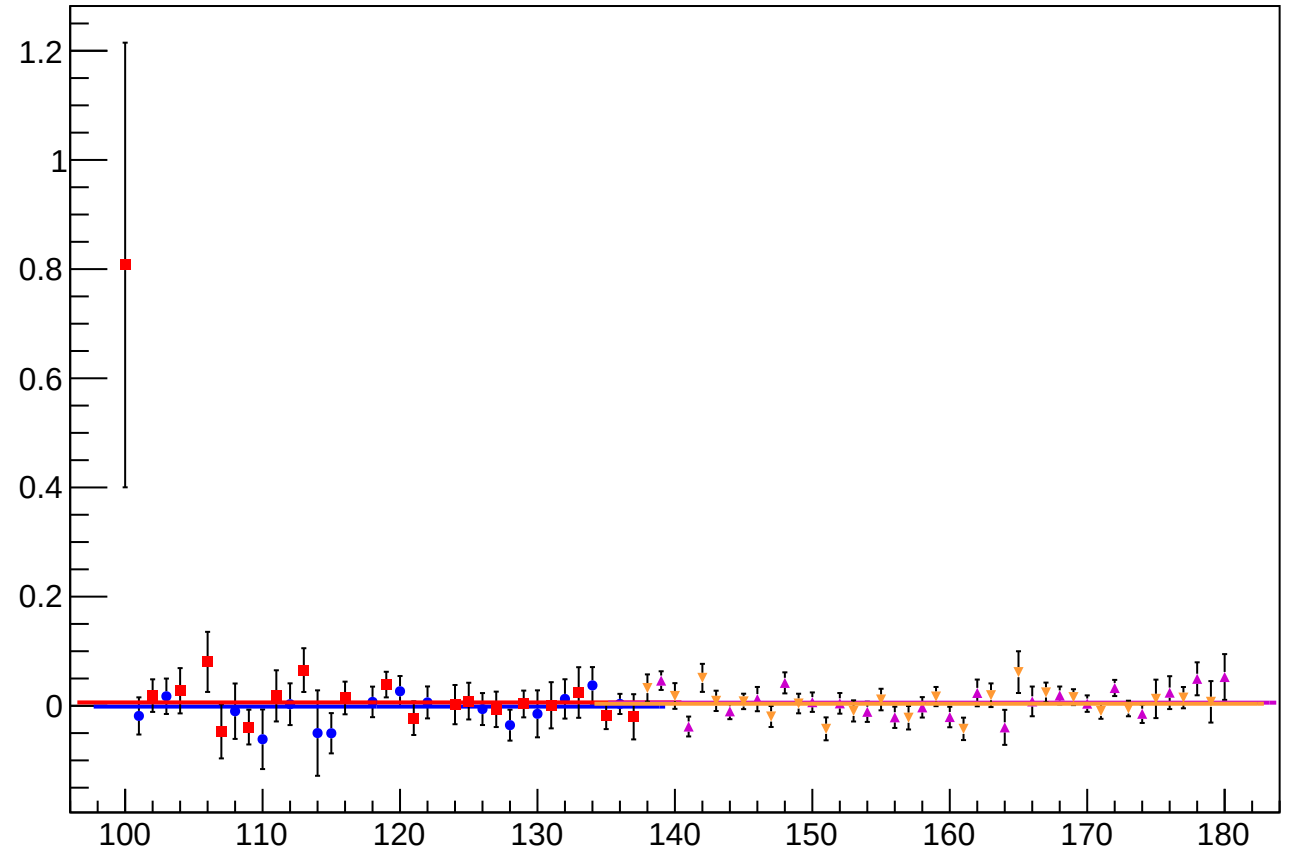
Left In: -0.000+/-0.000 χ^2/NDF:26.7/20

+ sign 0.000+/-0.000 χ^2/NDF: 55.8/37

All: 0.000+/-0.000 χ^2/NDF: 105.0/77

- sign 0.000+/-0.000 χ^2/NDF: 49.2/39


asym_sam_1357_2468_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: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:7768382.2/21
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:6049654.2/20
+ sign 0.001+/-0.000 χ²/NDF: 12774474.5/37
All: 0.001+/-0.000 χ²/NDF: 22561439.1/77
- sign 0.001+/-0.000 χ²/NDF: 9540626.3/39



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

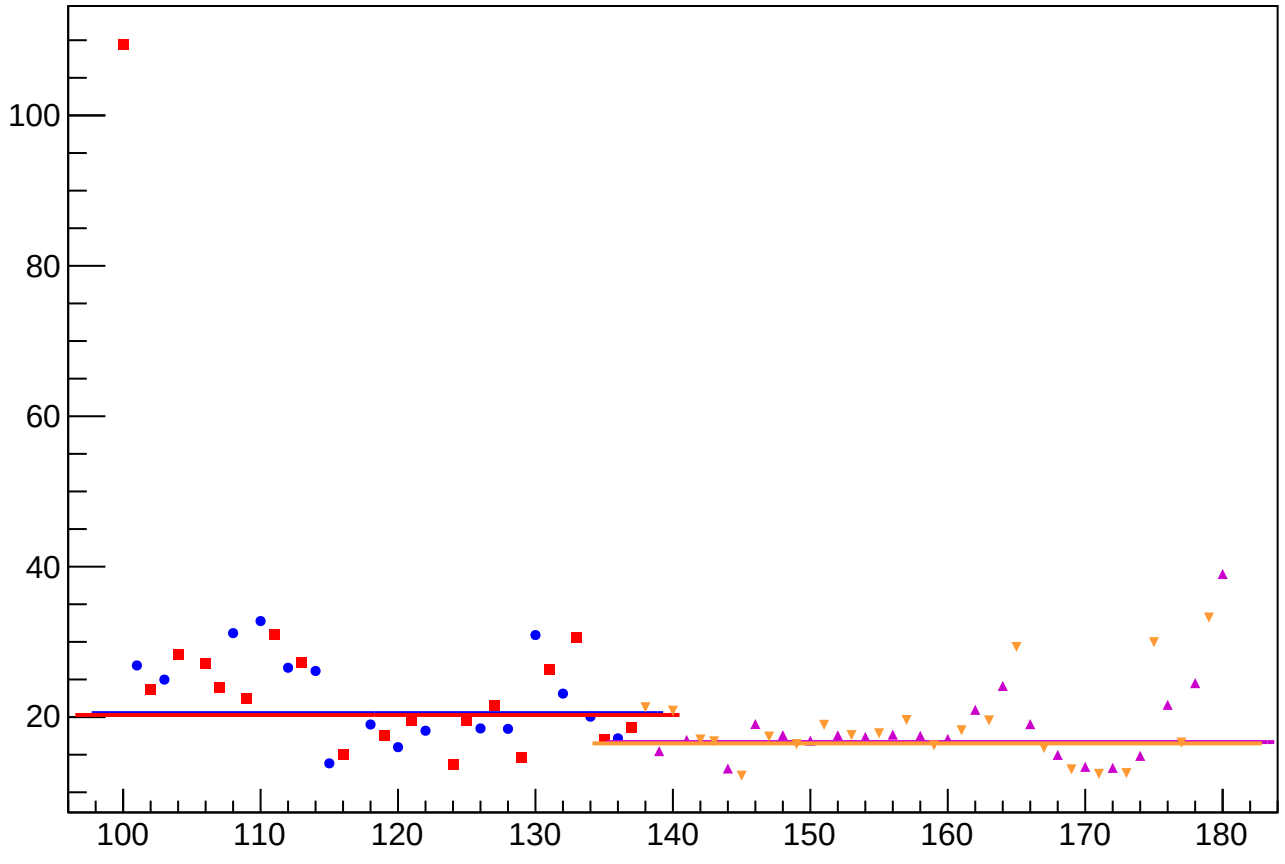
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.006+/-0.004 χ^2/NDF:32.7/20

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/37

All: 0.004+/-0.003 χ^2/NDF: 83.5/77

- 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: 16.503+/-0.003 χ^2/NDF:1806150.4/21

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

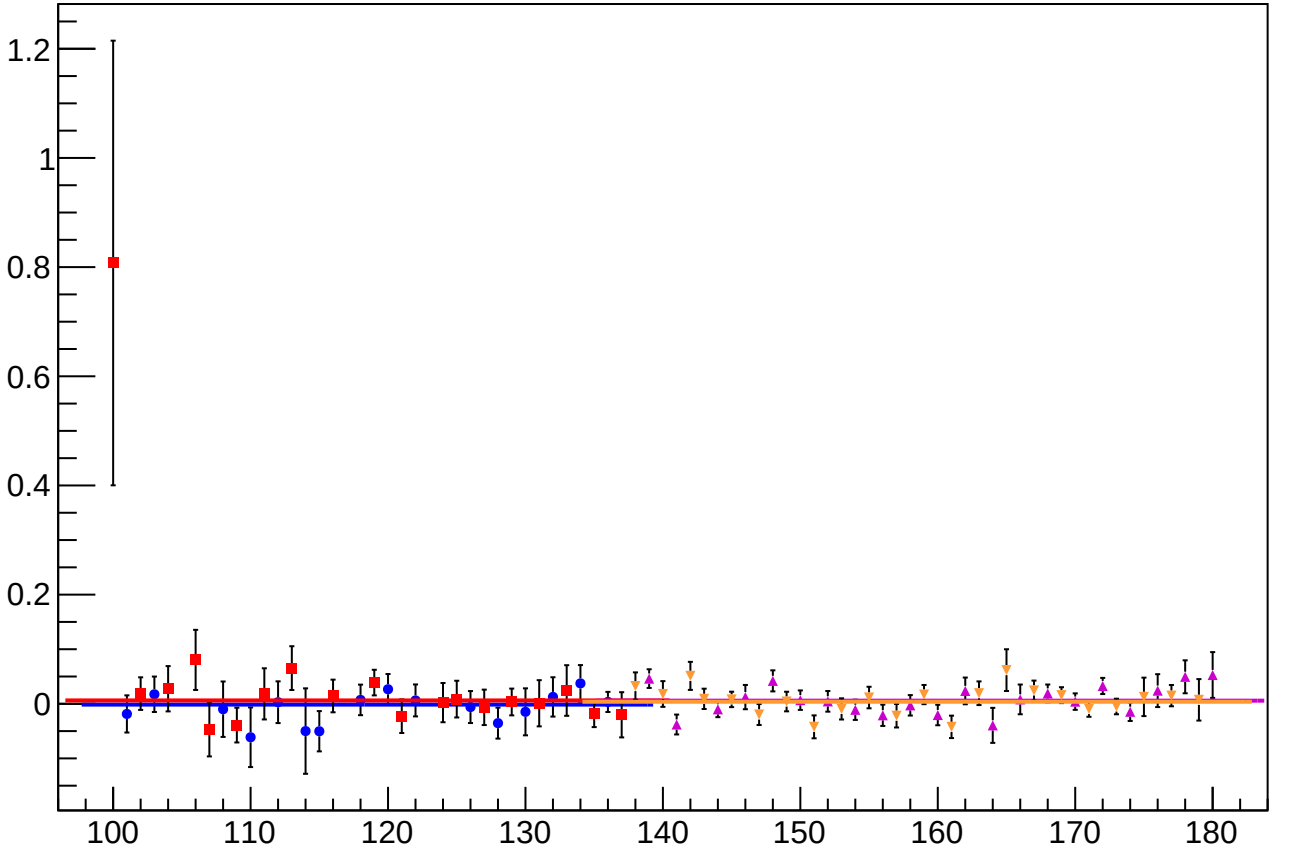
Left In: 16.677+/-0.003 χ^2/NDF:1364612.1/20

\+ sign 17.340+/-0.003 χ^2/NDF: 2905530.6/37

All: 17.409+/-0.002 χ^2/NDF: 5460764.6/77

\- sign 17.480+/-0.003 χ^2/NDF: 2553805.8/39

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

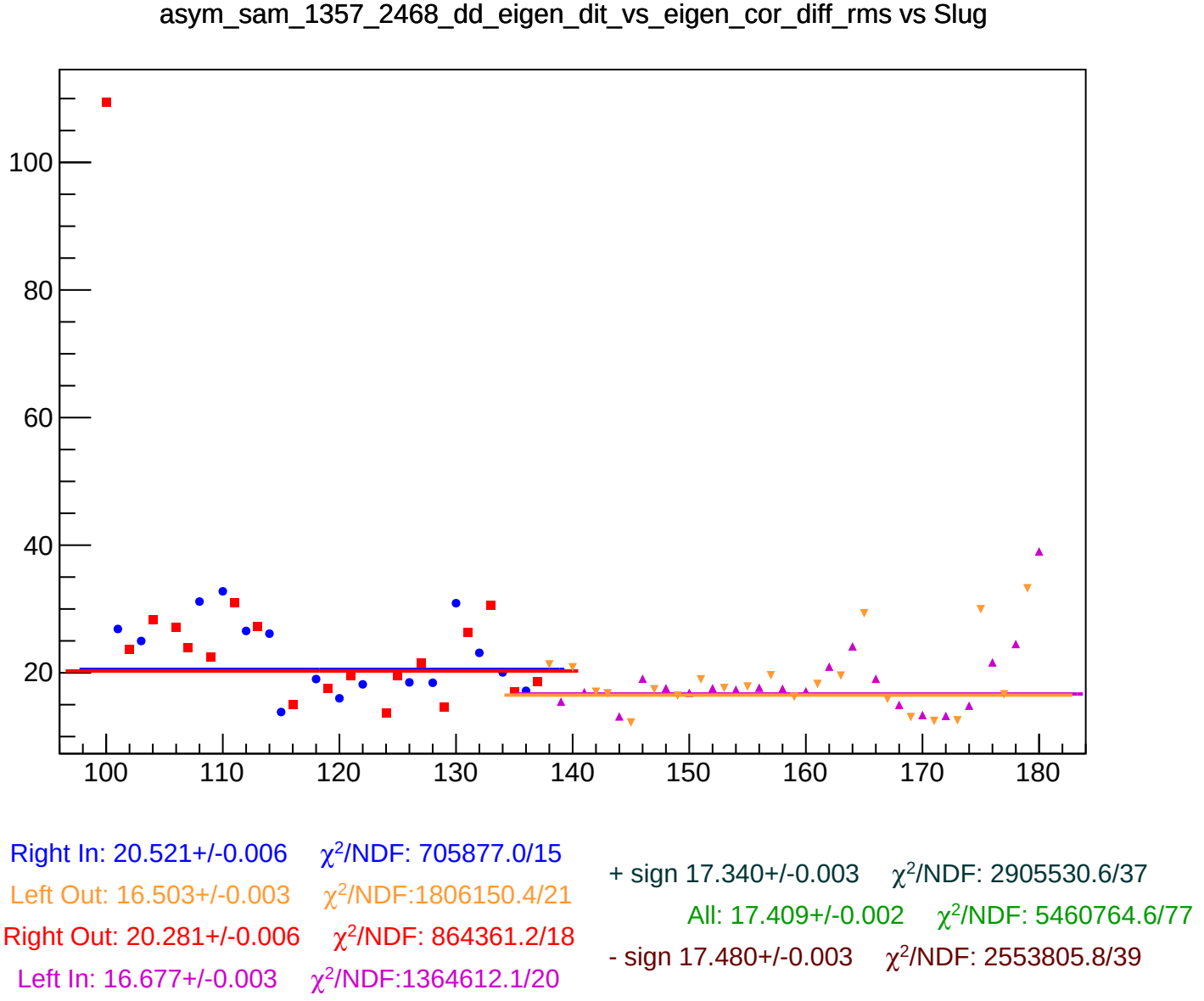
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

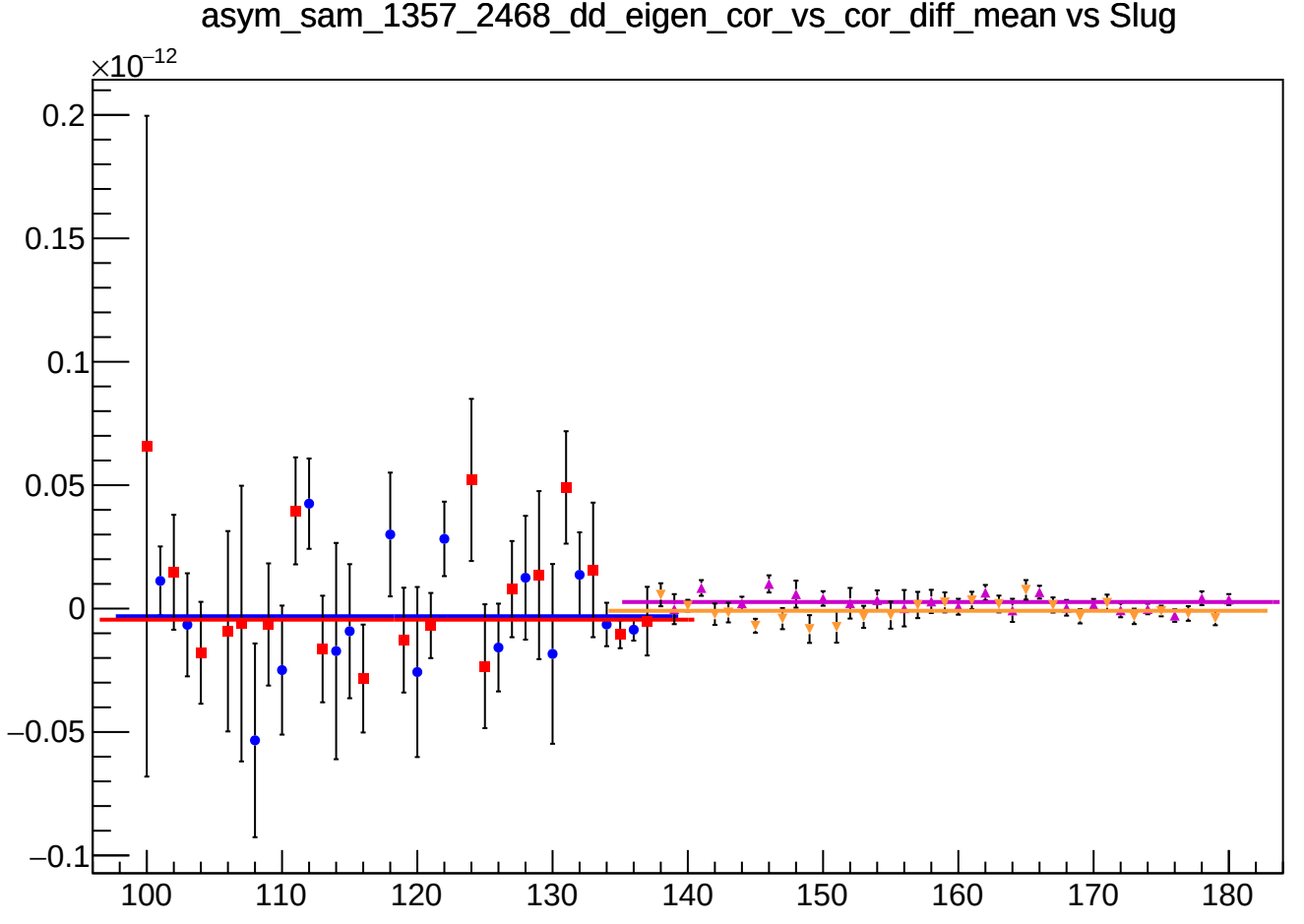
Left In: 0.006+/-0.004 χ^2/NDF:32.7/20

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/37

All: 0.004+/-0.003 χ^2/NDF: 83.5/77

- sign 0.006+/-0.004 χ^2/NDF: 48.9/39


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 16.503+/-0.003 χ²/NDF:1806150.4/21
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.677+/-0.003 χ²/NDF:1364612.1/20
+ sign 17.340+/-0.003 χ²/NDF: 2905530.6/37
All: 17.409+/-0.002 χ²/NDF: 5460764.6/77
- sign 17.480+/-0.003 χ²/NDF: 2553805.8/39



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/21

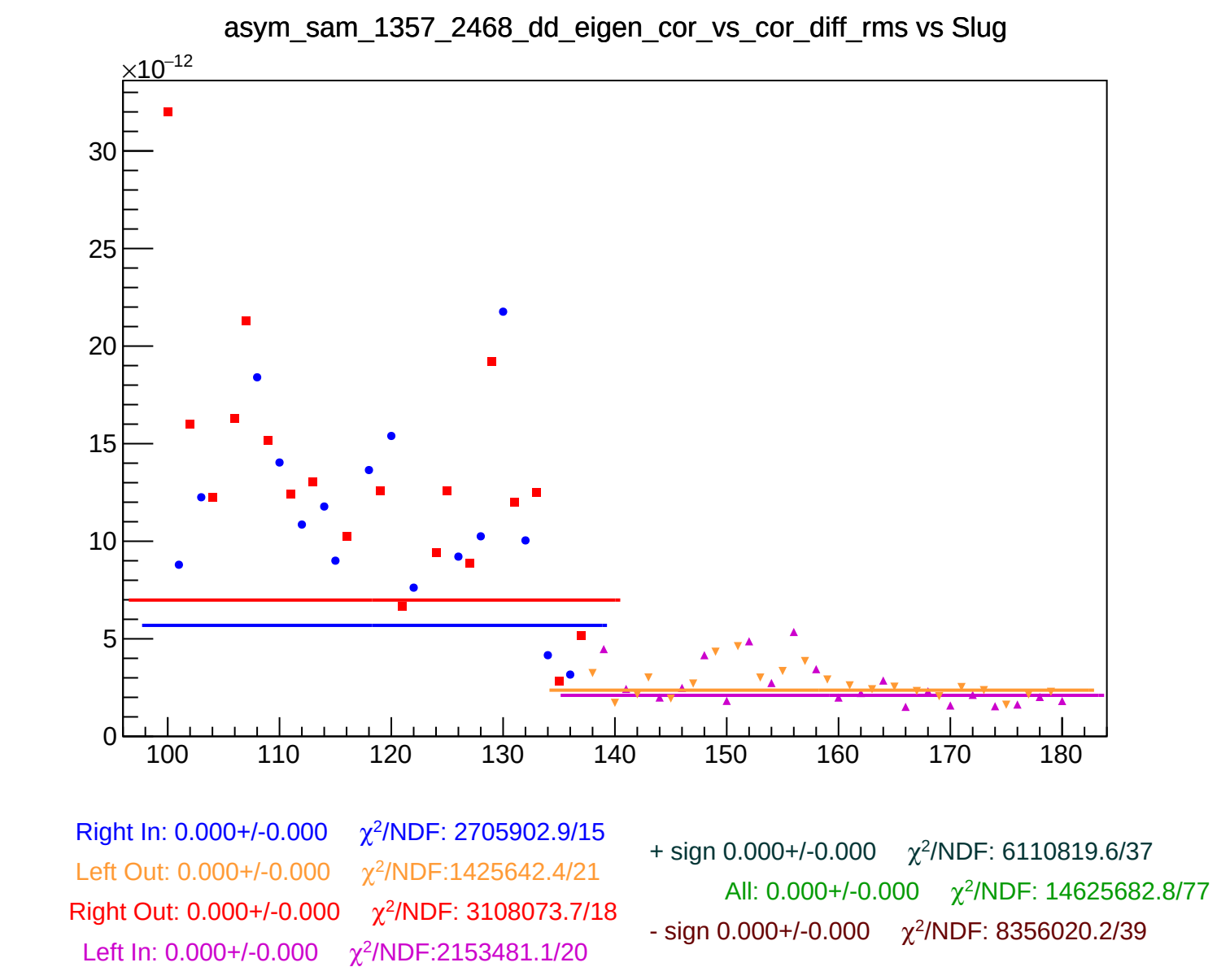
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.5/20

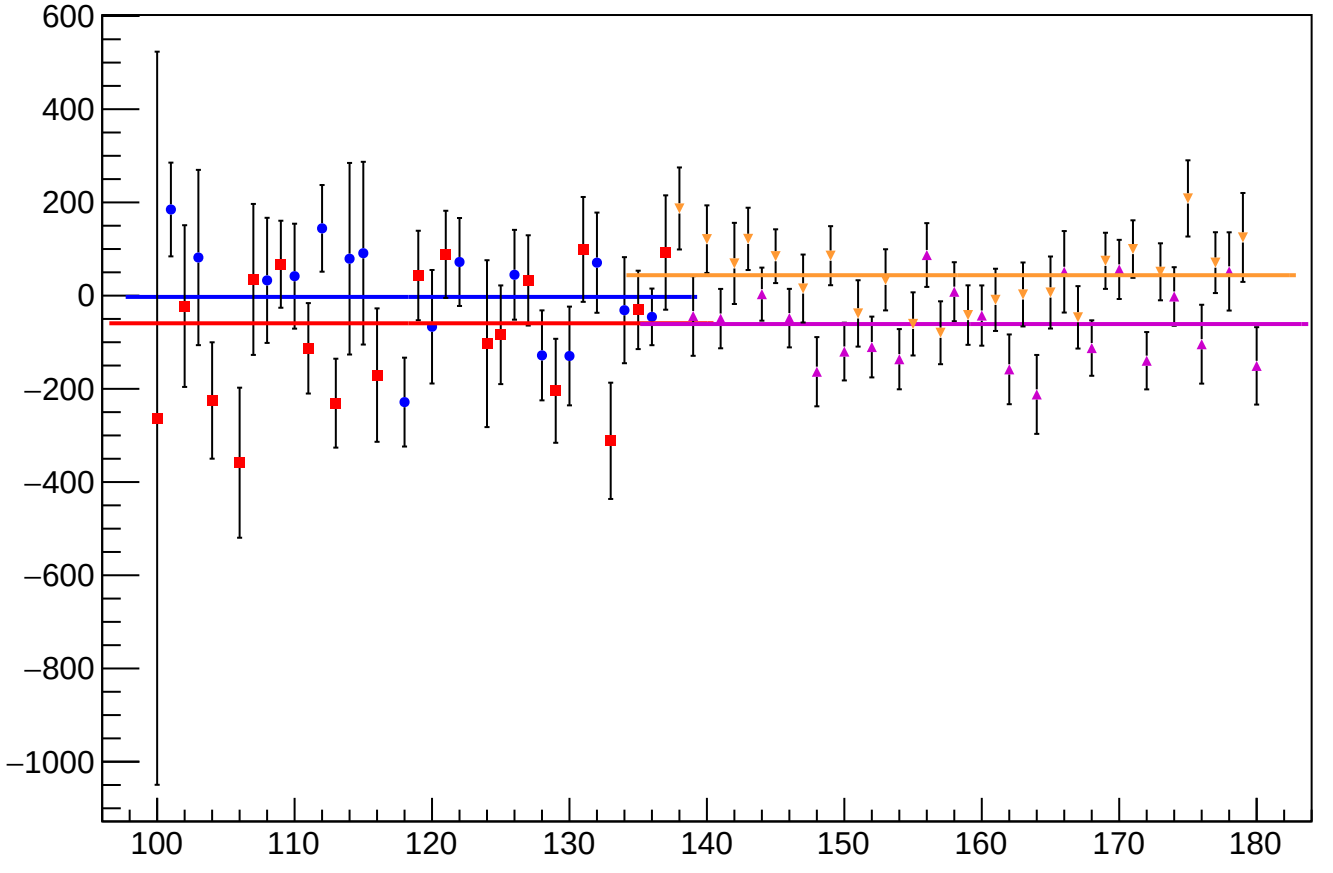
+ sign -0.000+/-0.000 χ^2/NDF: 43.1/37

All: 0.000+/-0.000 χ^2/NDF: 99.7/77

- sign 0.000+/-0.000 χ^2/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:1425642.4/21
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: 6110819.6/37
All: 0.000+/-0.000 χ²/NDF: 14625682.8/77
- 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: 43.815+/-14.660 χ^2/NDF:24.3/21

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

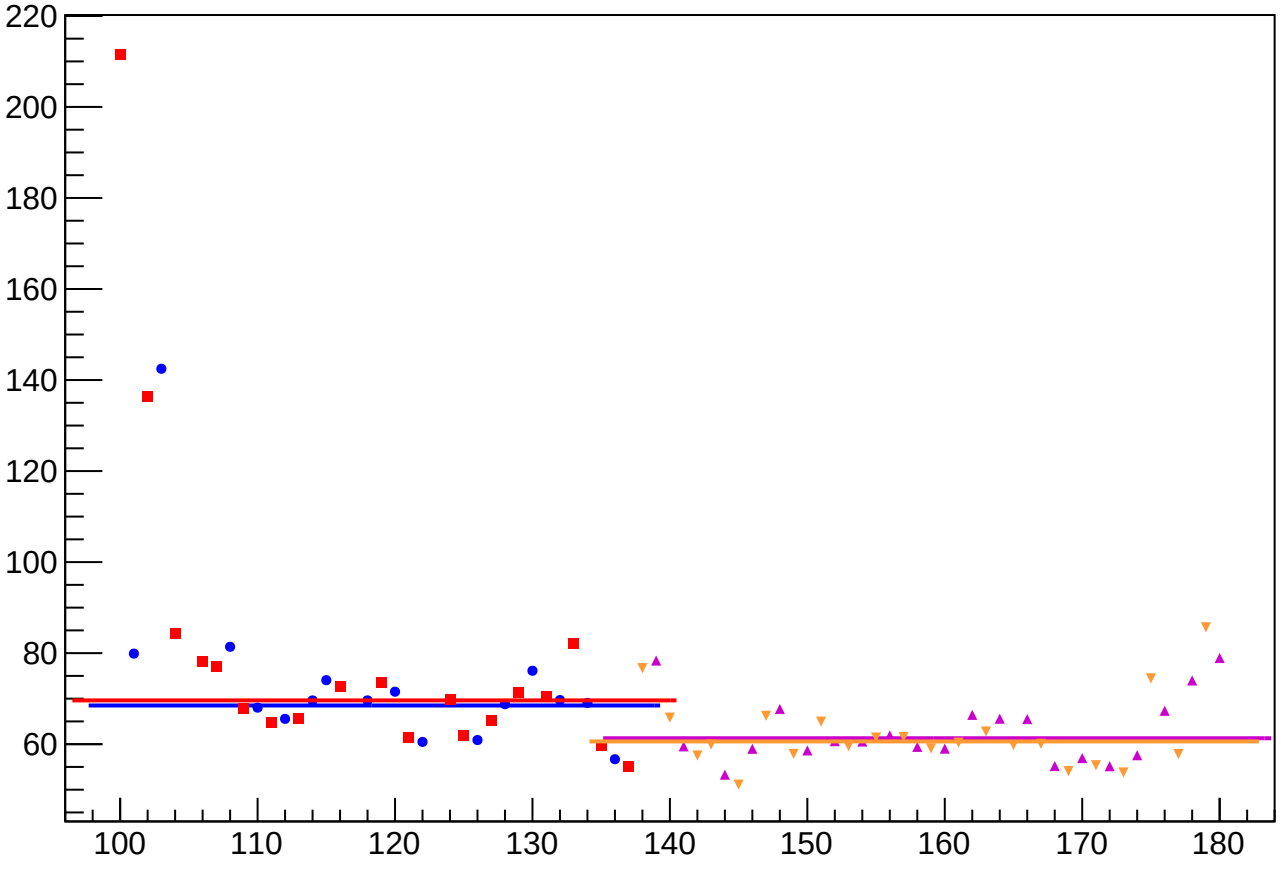
Left In: -60.983+/-14.926 χ^2/NDF:28.5/20

+ sign 32.717+/-12.795 χ^2/NDF: 44.4/37

All: -13.226+/-9.116 χ^2/NDF: 124.8/77

- 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: 60.606+/-0.010 χ^2/NDF:423975.6/21

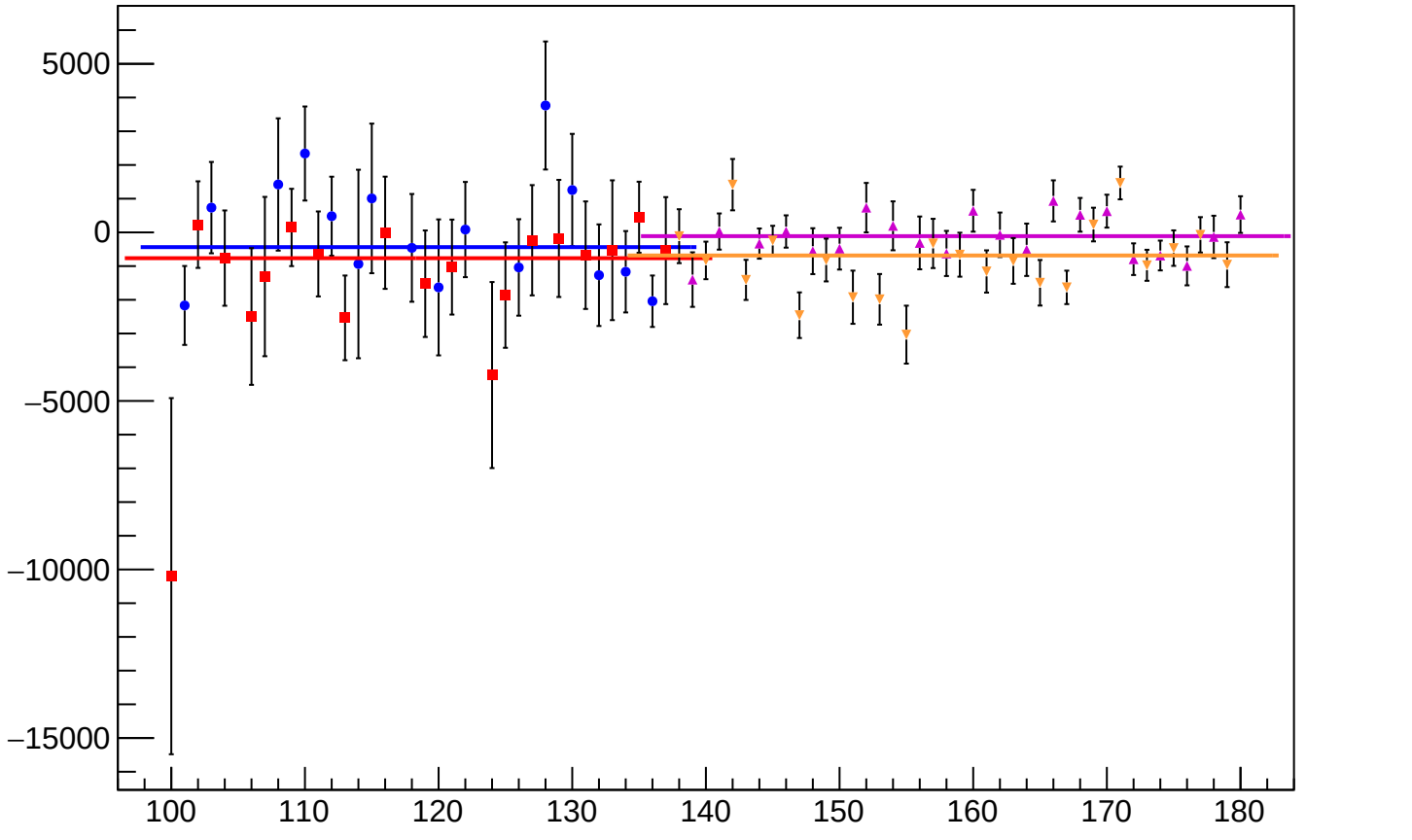
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.301+/-0.011 χ^2/NDF:370038.0/20

+ sign 62.486+/-0.009 χ^2/NDF: 1033957.7/37

All: 62.896+/-0.006 χ^2/NDF: 2079183.6/77

- 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: -684.701+/-127.332 χ^2/NDF:61.6/21

Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

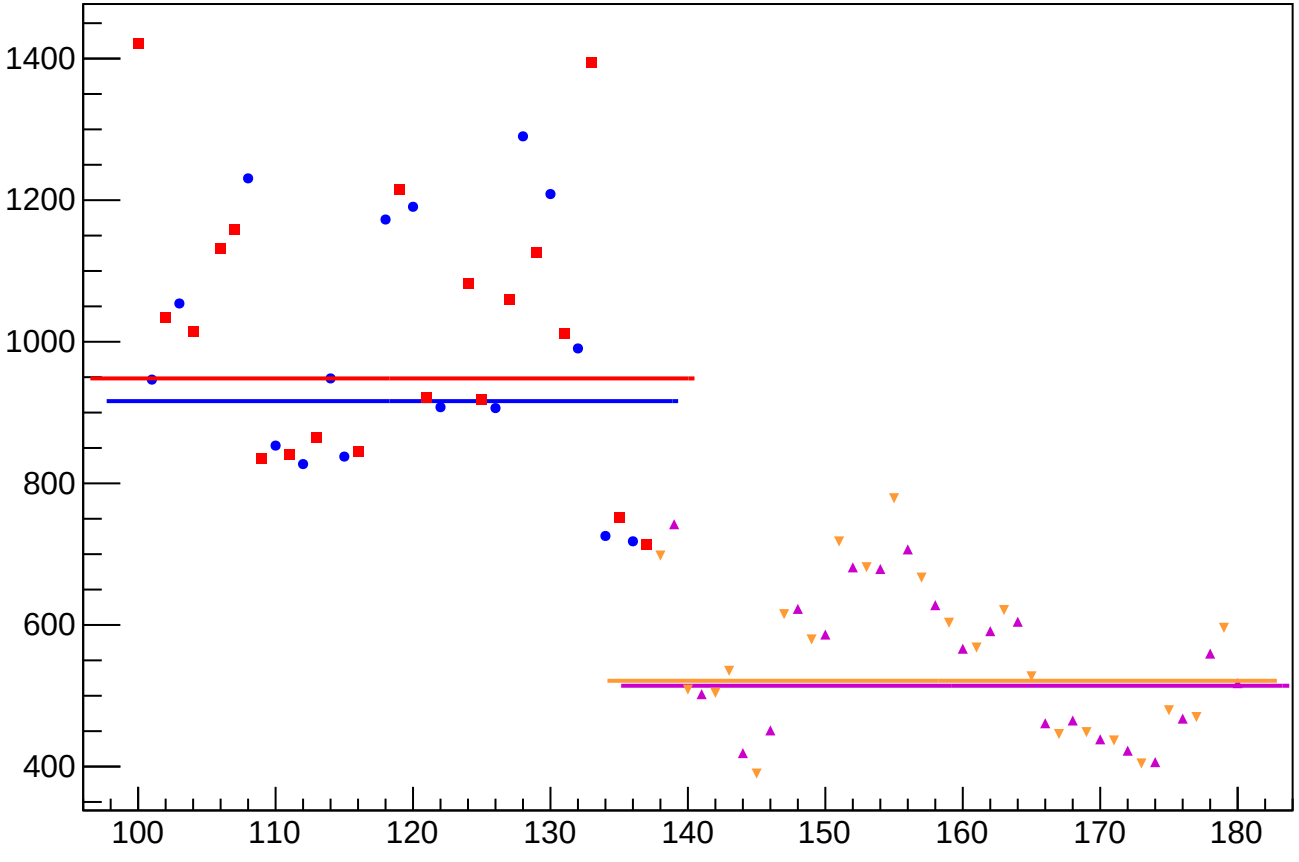
Left In: -111.354+/-126.276 χ^2/NDF:22.0/20

+ sign -655.636+/-119.614 χ^2/NDF: 82.6/37

All: -419.173+/-84.326 χ^2/NDF: 126.7/77

- sign -185.528+/-118.900 χ^2/NDF: 36.4/39

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 521.168+/-0.090 χ^2/NDF:1233086.9/21

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

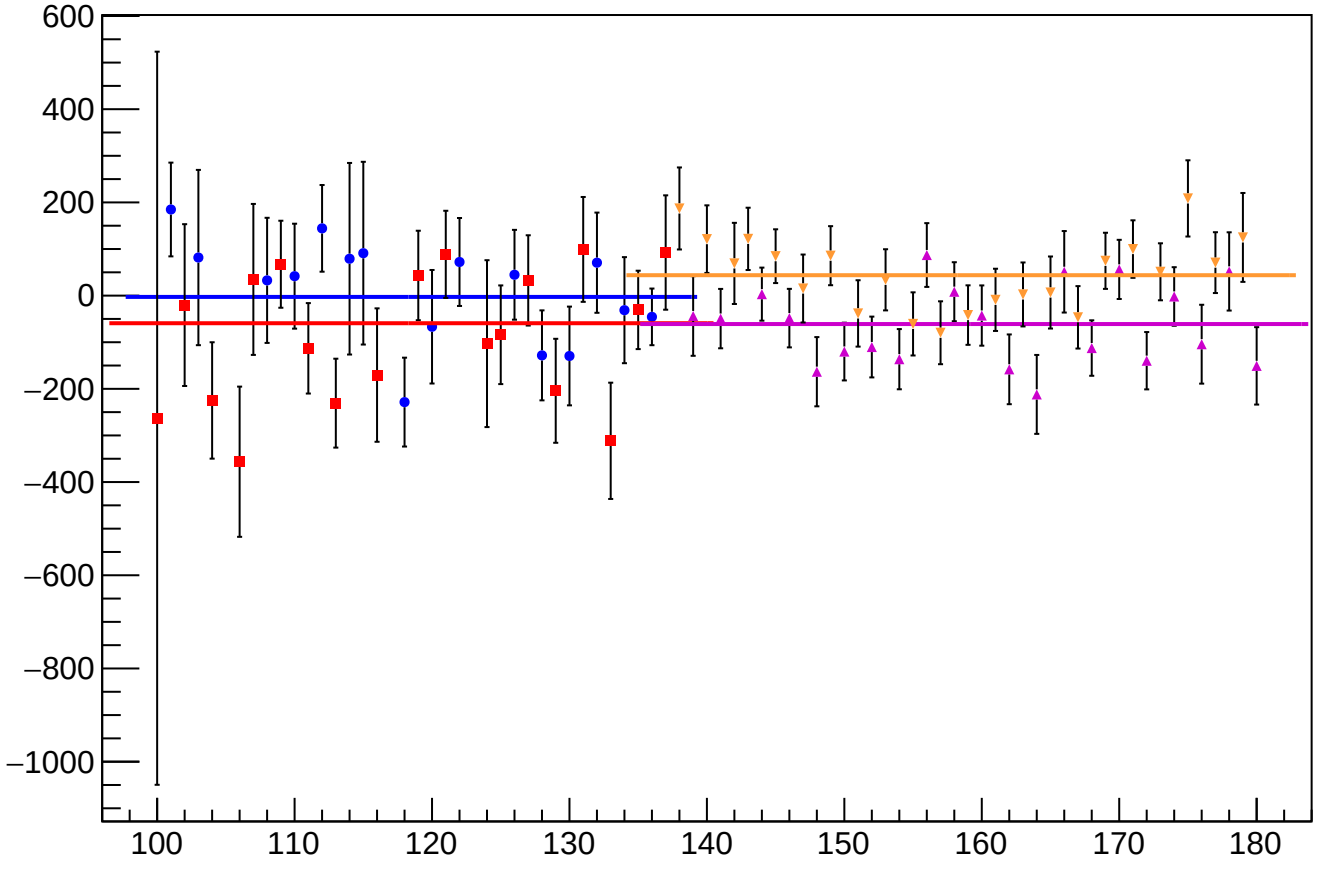
Left In: 514.147+/-0.089 χ^2/NDF:1118867.0/20

+ sign 567.600+/-0.085 χ^2/NDF: 4004613.5/37

All: 565.478+/-0.060 χ^2/NDF: 8220488.5/77

- 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: 43.818+/-14.660 χ^2/NDF:24.3/21

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

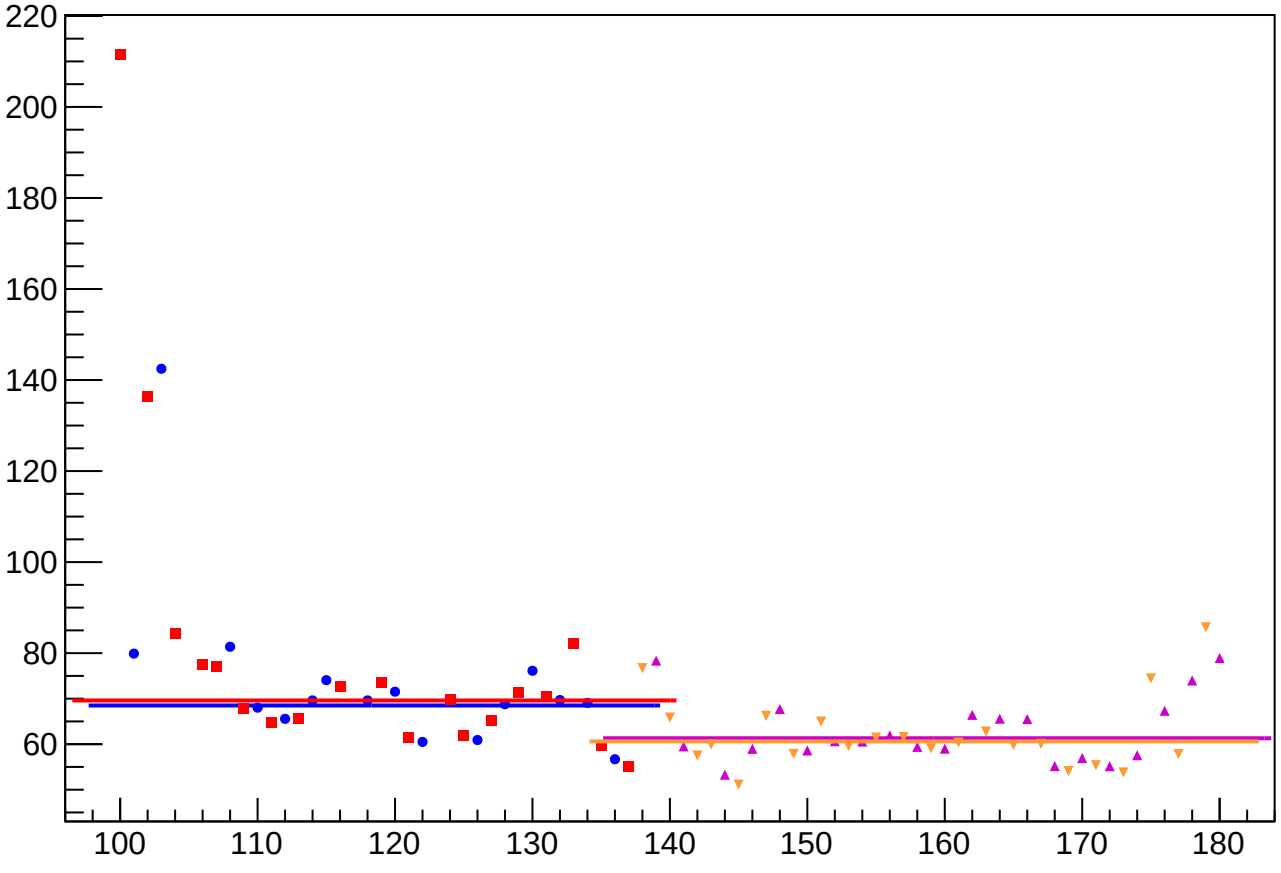
Left In: -60.983+/-14.926 χ^2/NDF:28.5/20

+ sign 32.717+/-12.795 χ^2/NDF: 44.4/37

All: -13.211+/-9.116 χ^2/NDF: 124.7/77

- 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: 60.606+/-0.010 χ^2/NDF:423975.6/21

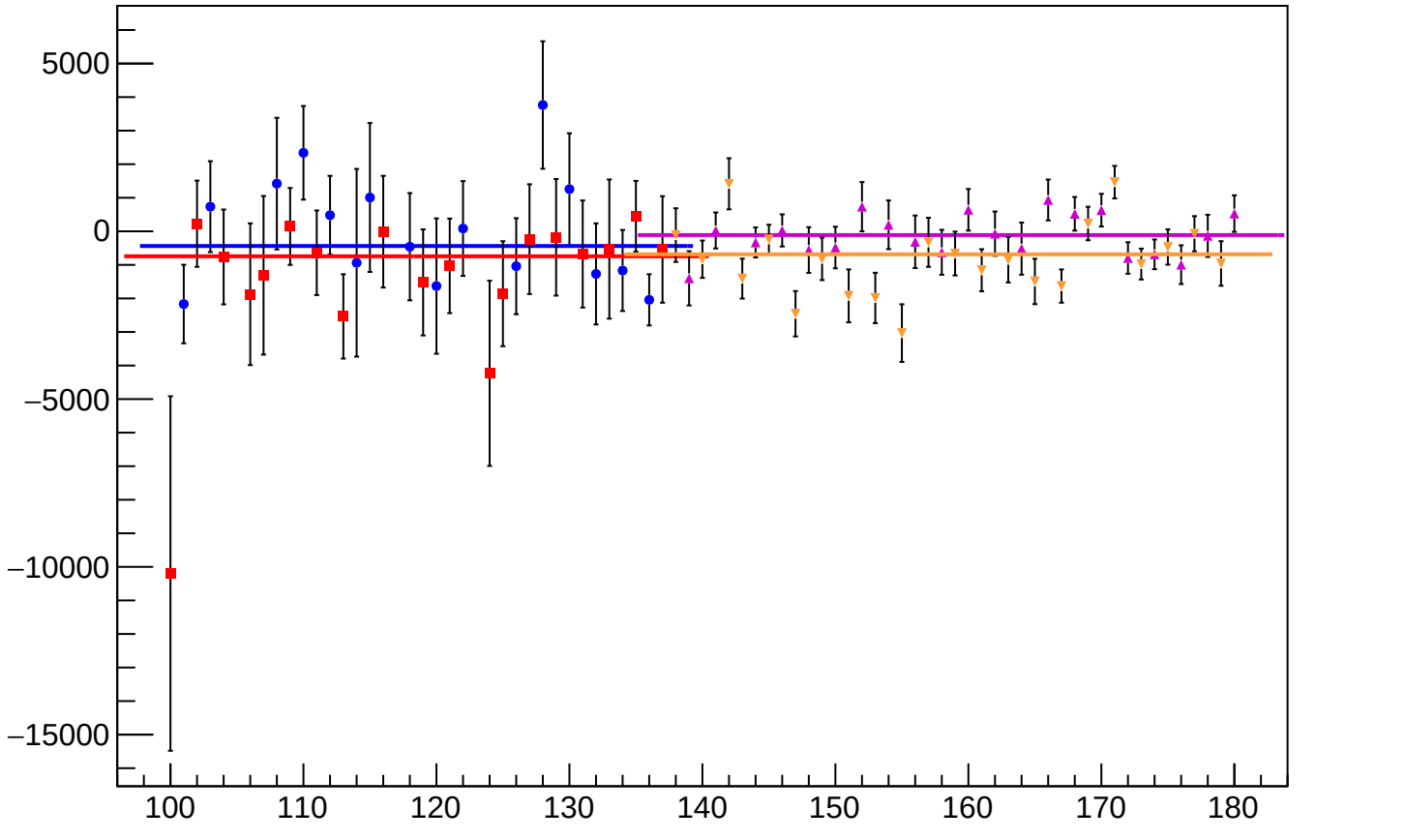
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.301+/-0.011 χ^2/NDF:370038.0/20

+ sign 62.486+/-0.009 χ^2/NDF: 1033960.6/37

All: 62.894+/-0.006 χ^2/NDF: 2077818.1/77

- 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: -684.696+/-127.332 χ^2/NDF:61.6/21

Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

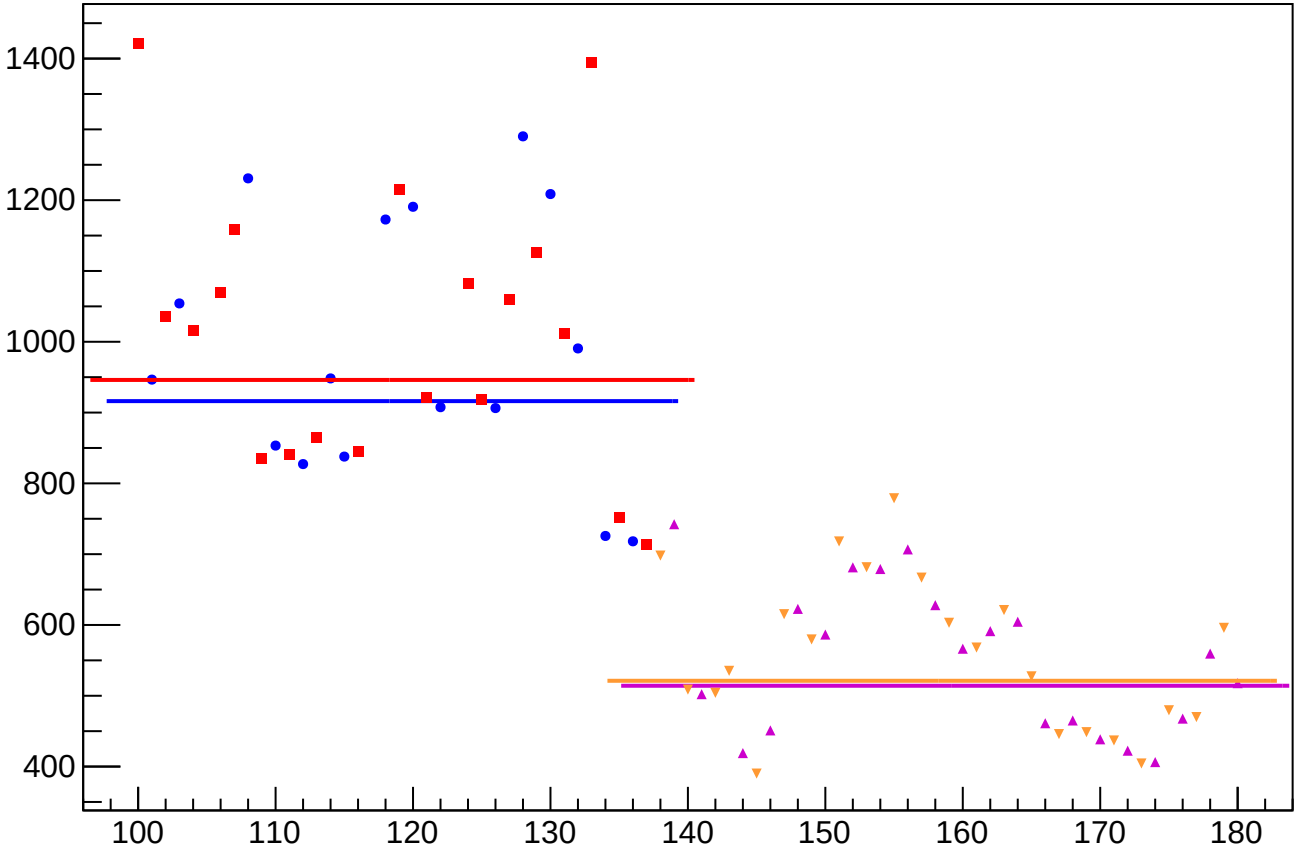
Left In: -111.353+/-126.276 χ^2/NDF:22.0/20

+ sign -655.629+/-119.614 χ^2/NDF: 82.6/37

All: -417.928+/-84.332 χ^2/NDF: 126.2/77

- 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: 521.168+/-0.090 χ^2/NDF:1233091.1/21

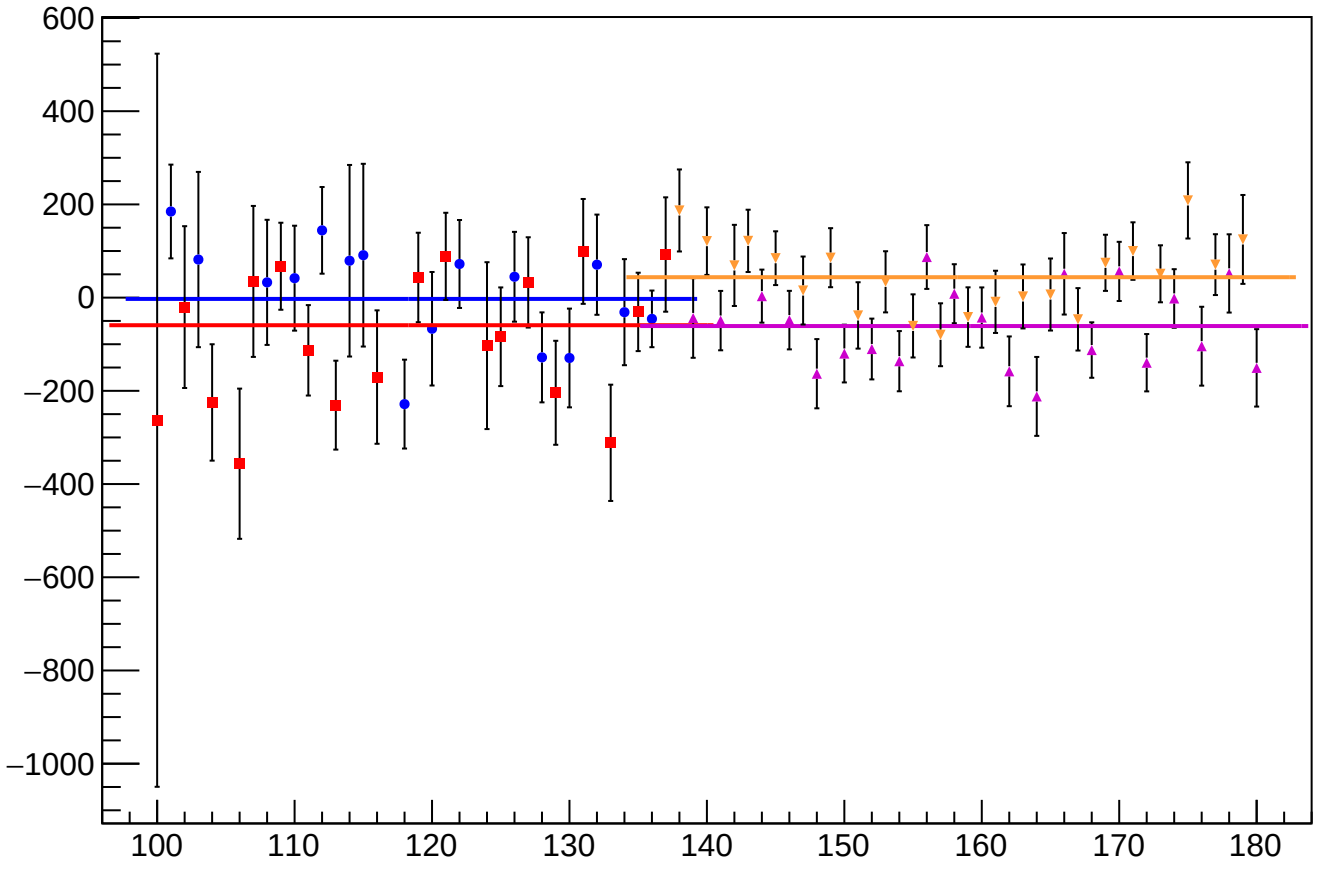
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.148+/-0.089 χ^2/NDF:1118865.8/20

+ sign 567.600+/-0.085 χ^2/NDF: 4004667.2/37

All: 565.302+/-0.060 χ^2/NDF: 8178773.9/77

- 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: 43.818+/-14.660 χ^2/NDF:24.3/21

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

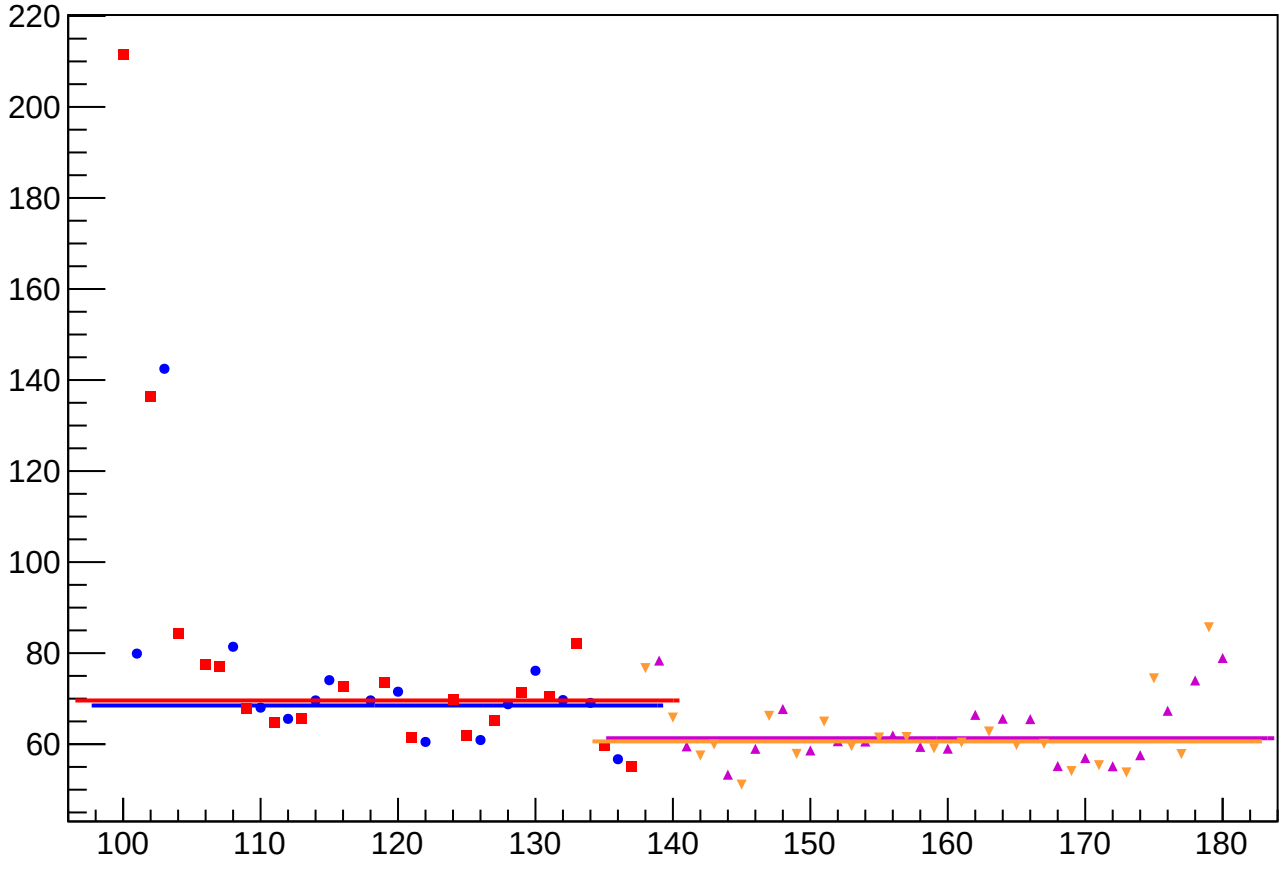
Left In: -60.983+/-14.926 χ^2/NDF:28.5/20

+ sign 32.717+/-12.795 χ^2/NDF: 44.4/37

All: -13.211+/-9.116 χ^2/NDF: 124.7/77

- 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: 60.606+/-0.010 χ^2/NDF:423975.6/21

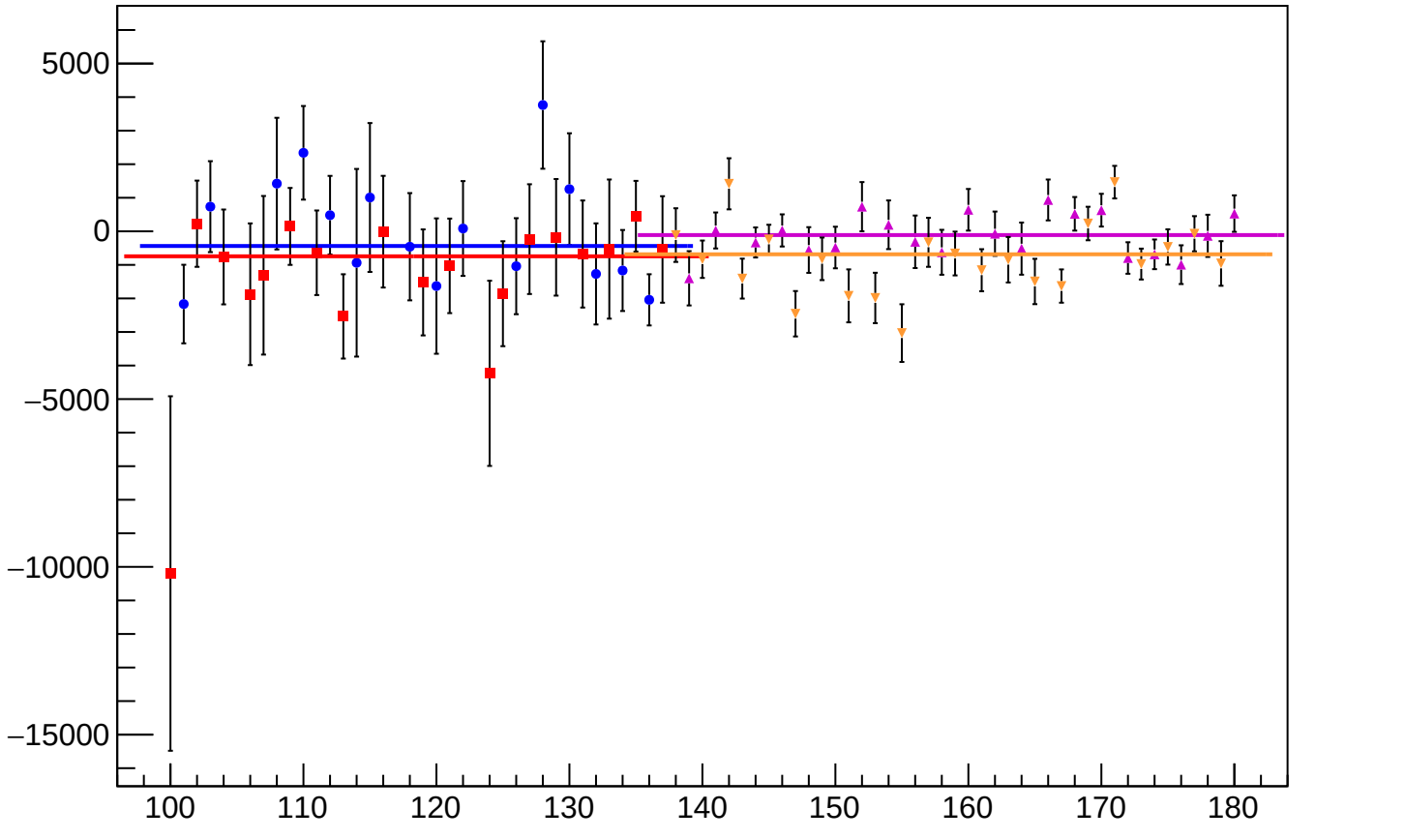
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.301+/-0.011 χ^2/NDF:370038.0/20

+ sign 62.486+/-0.009 χ^2/NDF: 1033960.6/37

All: 62.894+/-0.006 χ^2/NDF: 2077818.1/77

- 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: -684.696+/-127.332 χ^2/NDF:61.6/21

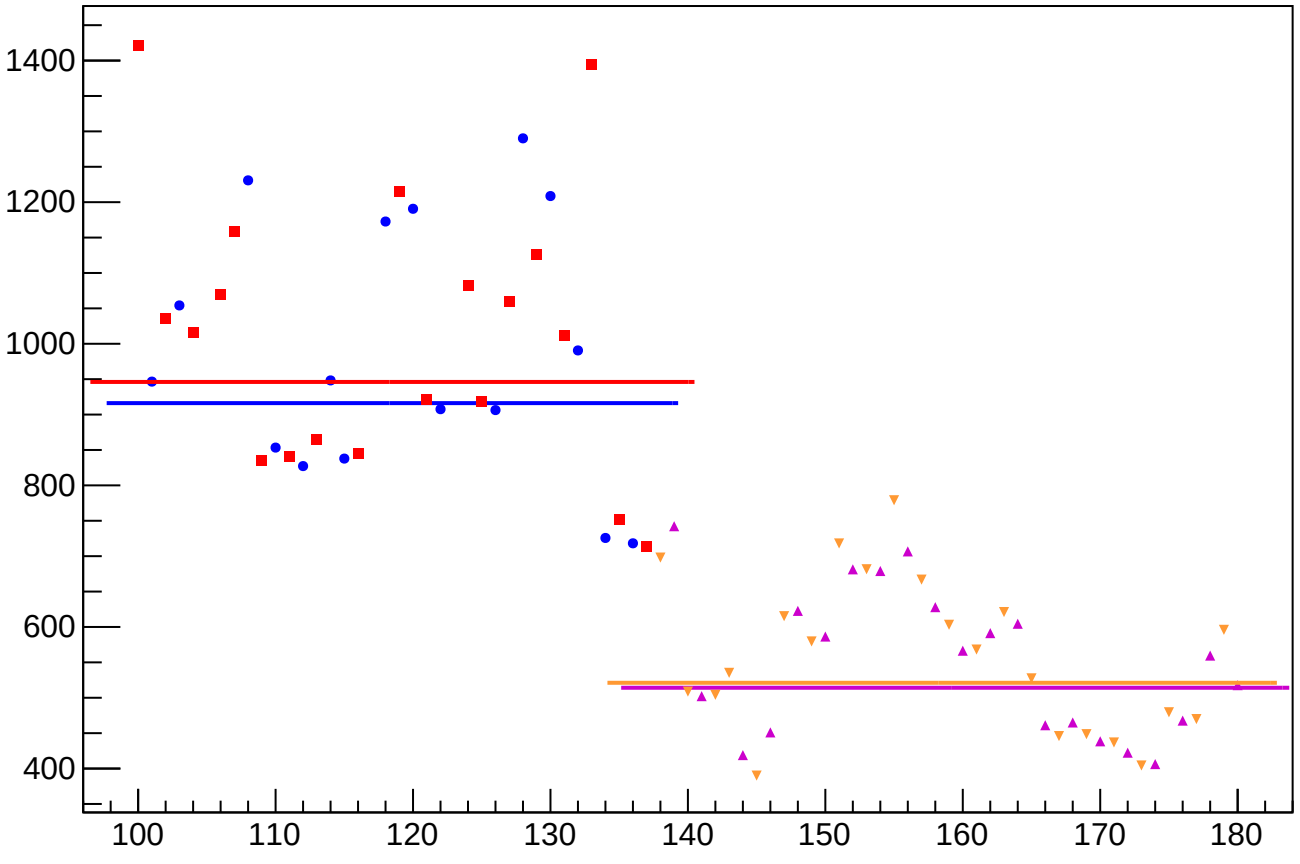
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -111.353+/-126.276 χ^2/NDF:22.0/20

+ sign -655.629+/-119.614 χ^2/NDF: 82.6/37

All: -417.928+/-84.332 χ^2/NDF: 126.2/77

- 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: 521.168+/-0.090 χ^2/NDF:1233091.1/21

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

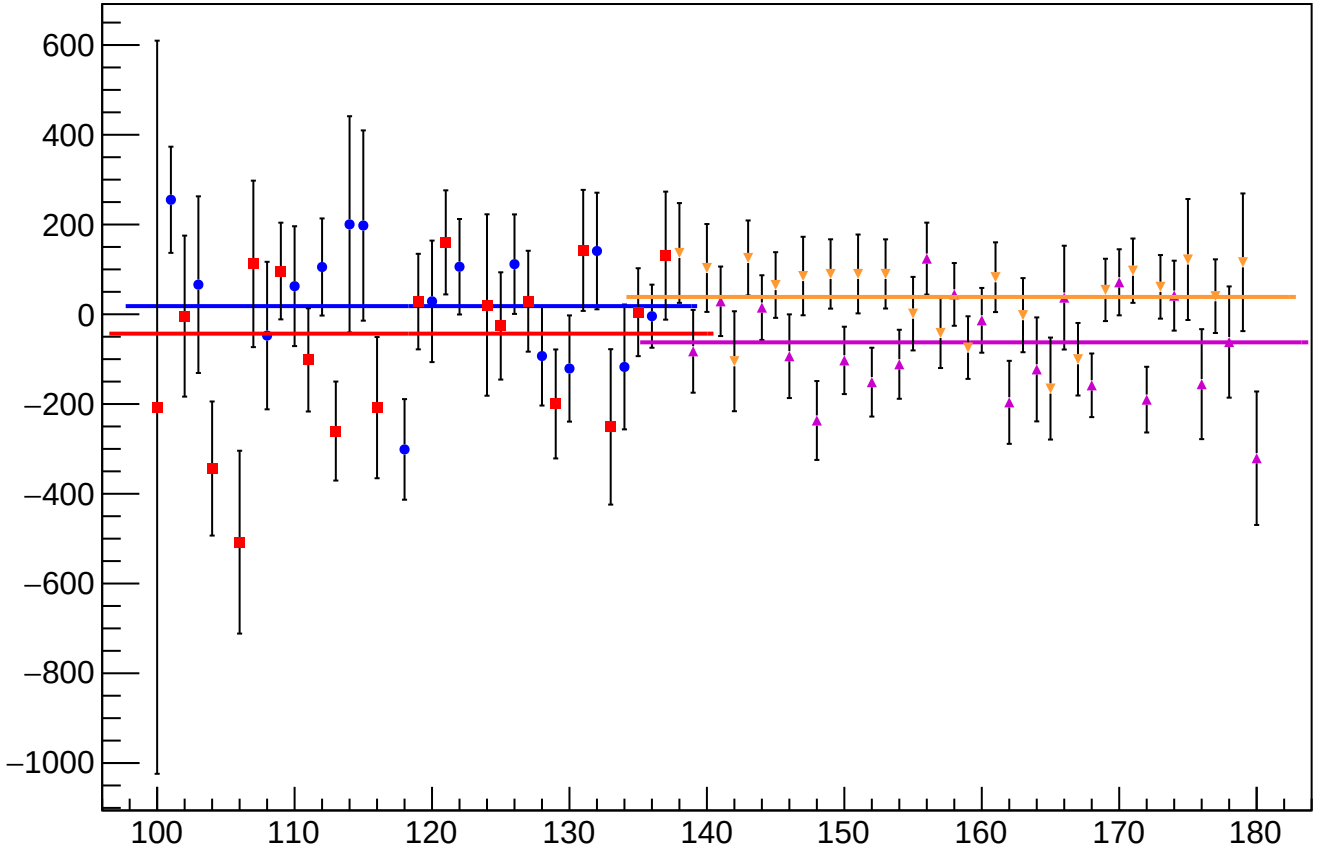
Left In: 514.148+/-0.089 χ^2/NDF:1118865.8/20

+ sign 567.600+/-0.085 χ^2/NDF: 4004667.2/37

All: 565.302+/-0.060 χ^2/NDF: 8178773.9/77

- 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: 38.637+/-17.961 χ^2/NDF:17.7/21

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

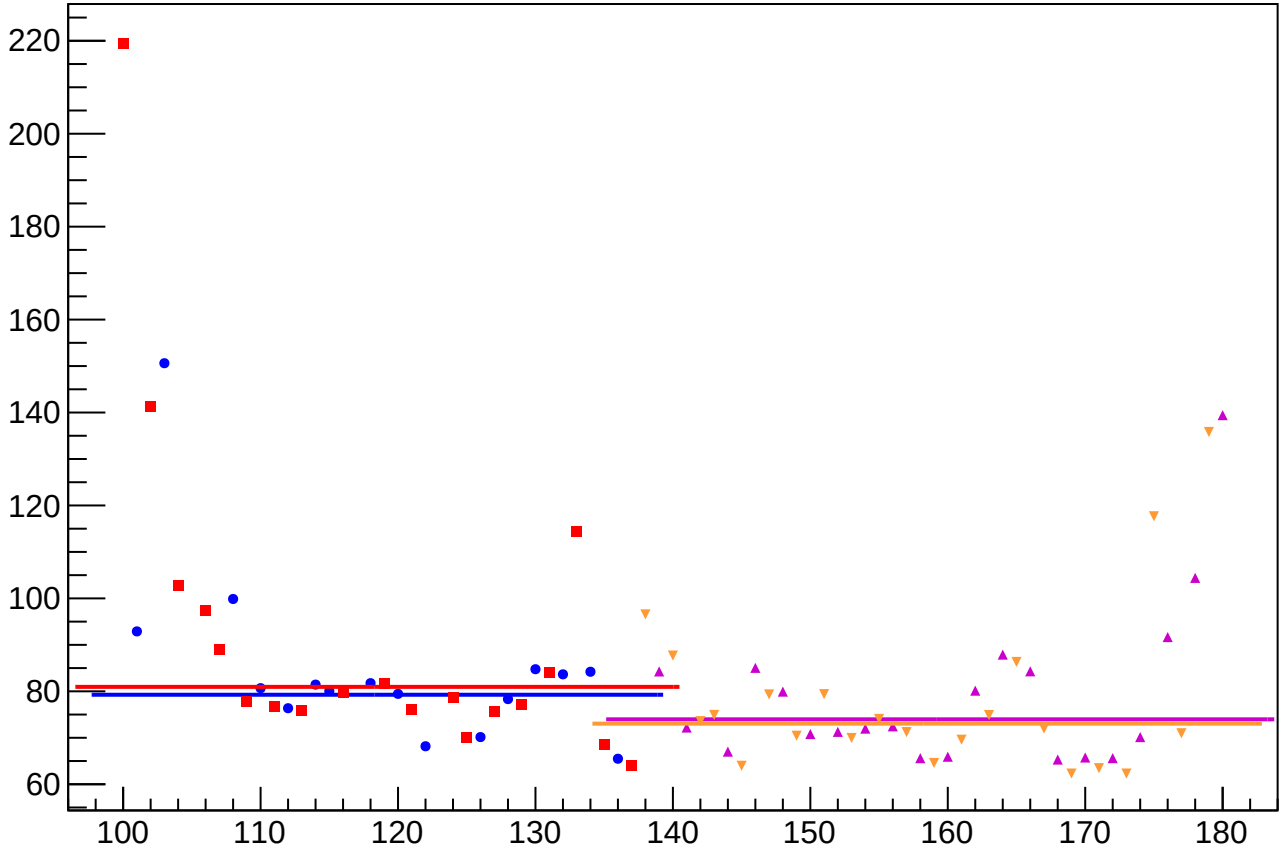
Left In: -62.548+/-18.356 χ^2/NDF:33.5/20

+ sign 33.328+/-15.456 χ^2/NDF: 38.1/37

All: -11.185+/-11.034 χ^2/NDF: 116.6/77

- 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: 73.043+/-0.013 χ^2/NDF:940859.3/21

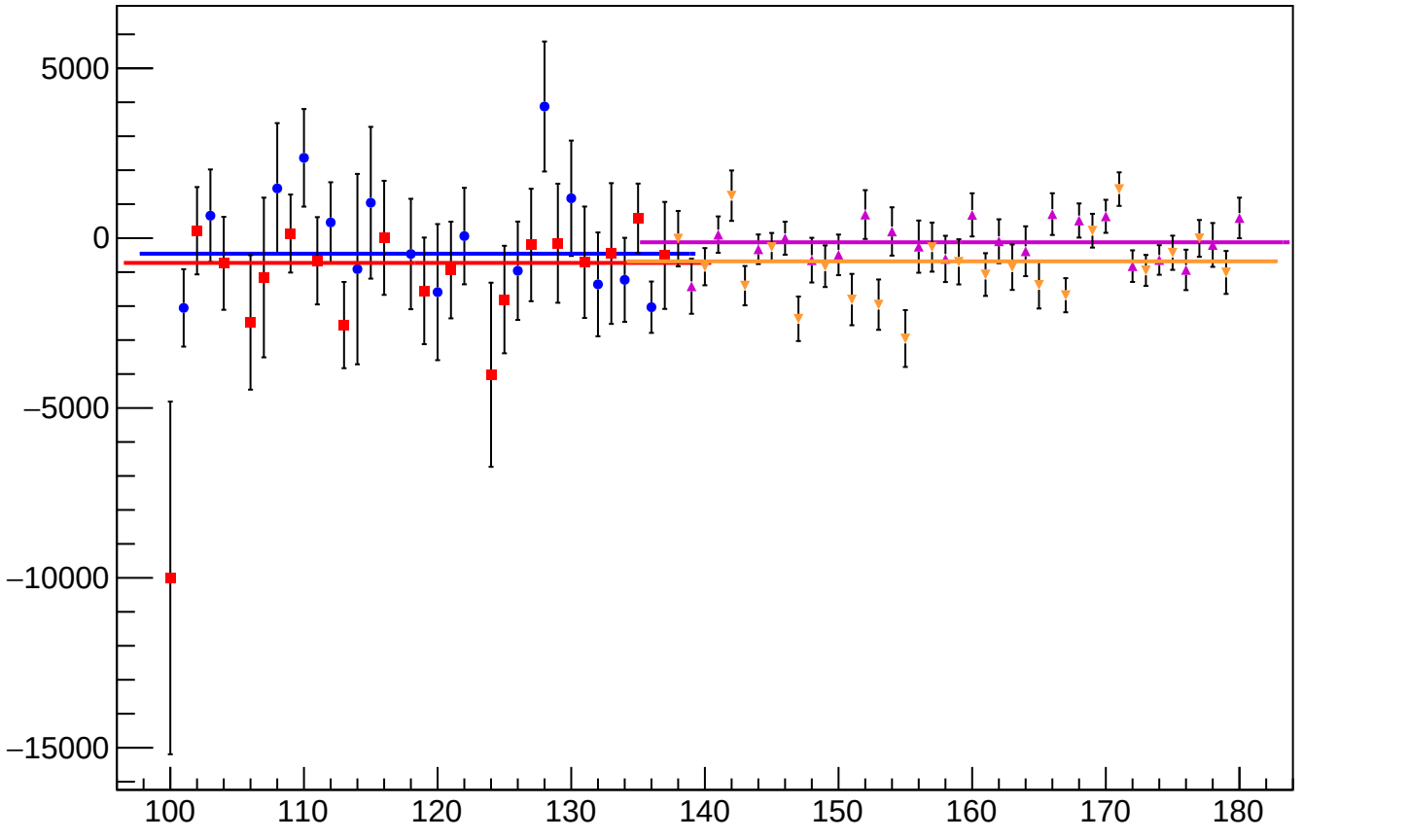
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.974+/-0.013 χ^2/NDF:832917.1/20

+ sign 74.657+/-0.011 χ^2/NDF: 1448035.0/37

All: 75.224+/-0.008 χ^2/NDF: 2876842.4/77

- 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: -682.755+/-125.749 χ^2/NDF:59.3/21

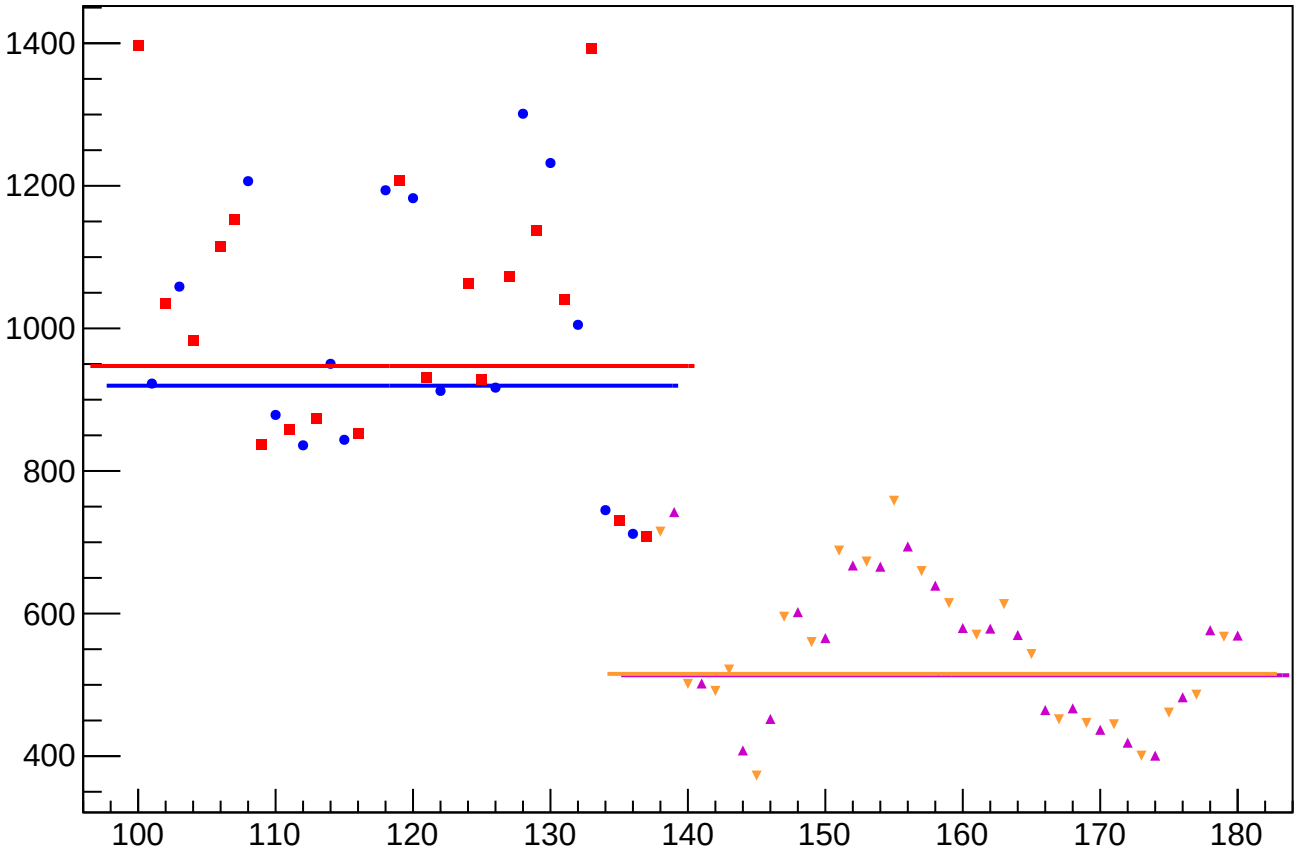
Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: -121.650+/-126.103 χ^2/NDF:20.8/20

+ sign -657.082+/-118.345 χ^2/NDF: 80.0/37

All: -424.563+/-83.821 χ^2/NDF: 122.7/77

- sign -190.504+/-118.737 χ^2/NDF: 34.9/39



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 515.375+/-0.089 χ^2/NDF:1230550.7/21

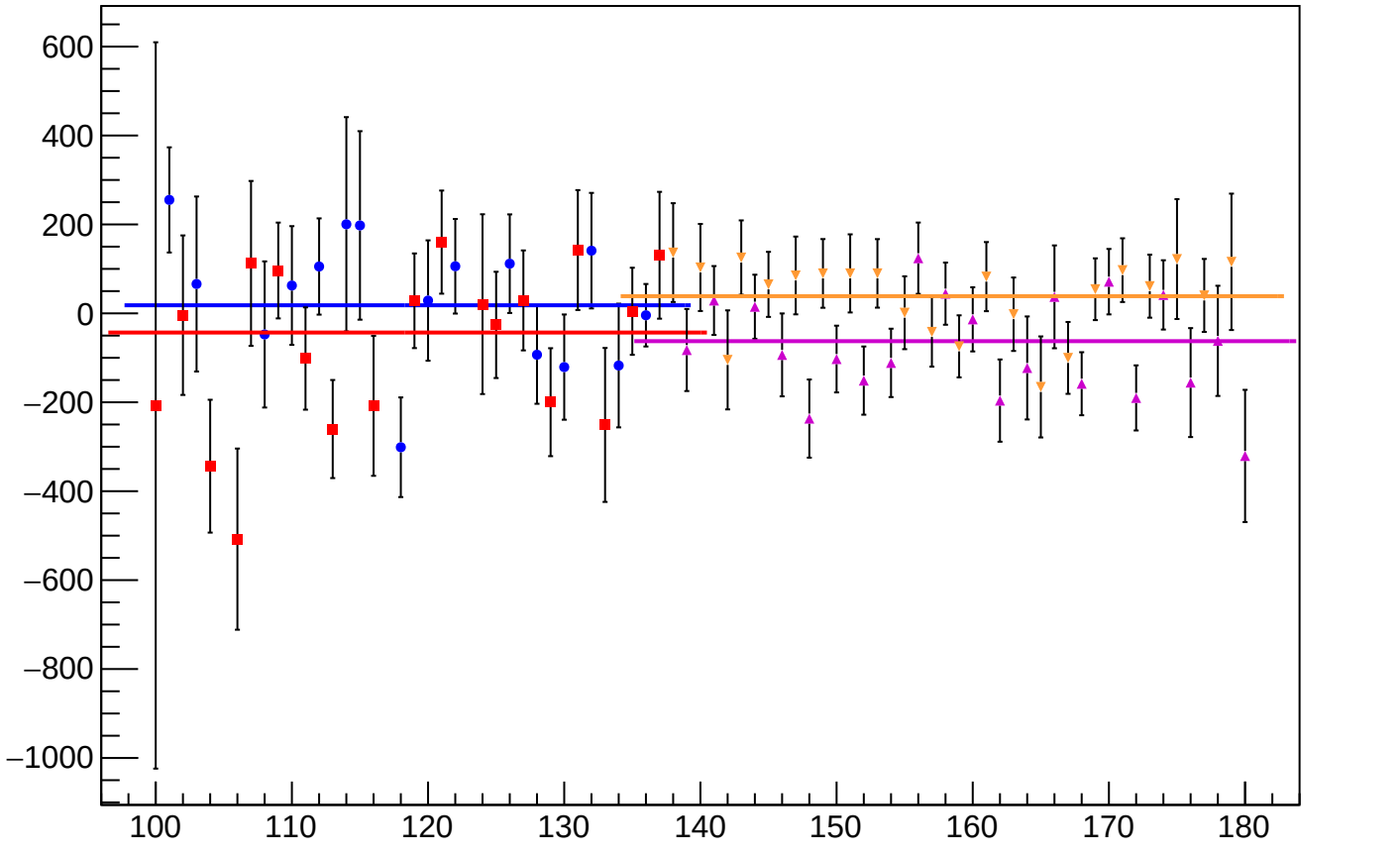
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 513.460+/-0.089 χ^2/NDF:1115780.4/20

+ sign 561.576+/-0.084 χ^2/NDF: 4108273.0/37

All: 562.116+/-0.059 χ^2/NDF: 8334145.6/77

- sign 562.660+/-0.084 χ^2/NDF: 4225788.8/39



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 38.637+/-17.961 χ^2/NDF:17.7/21

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

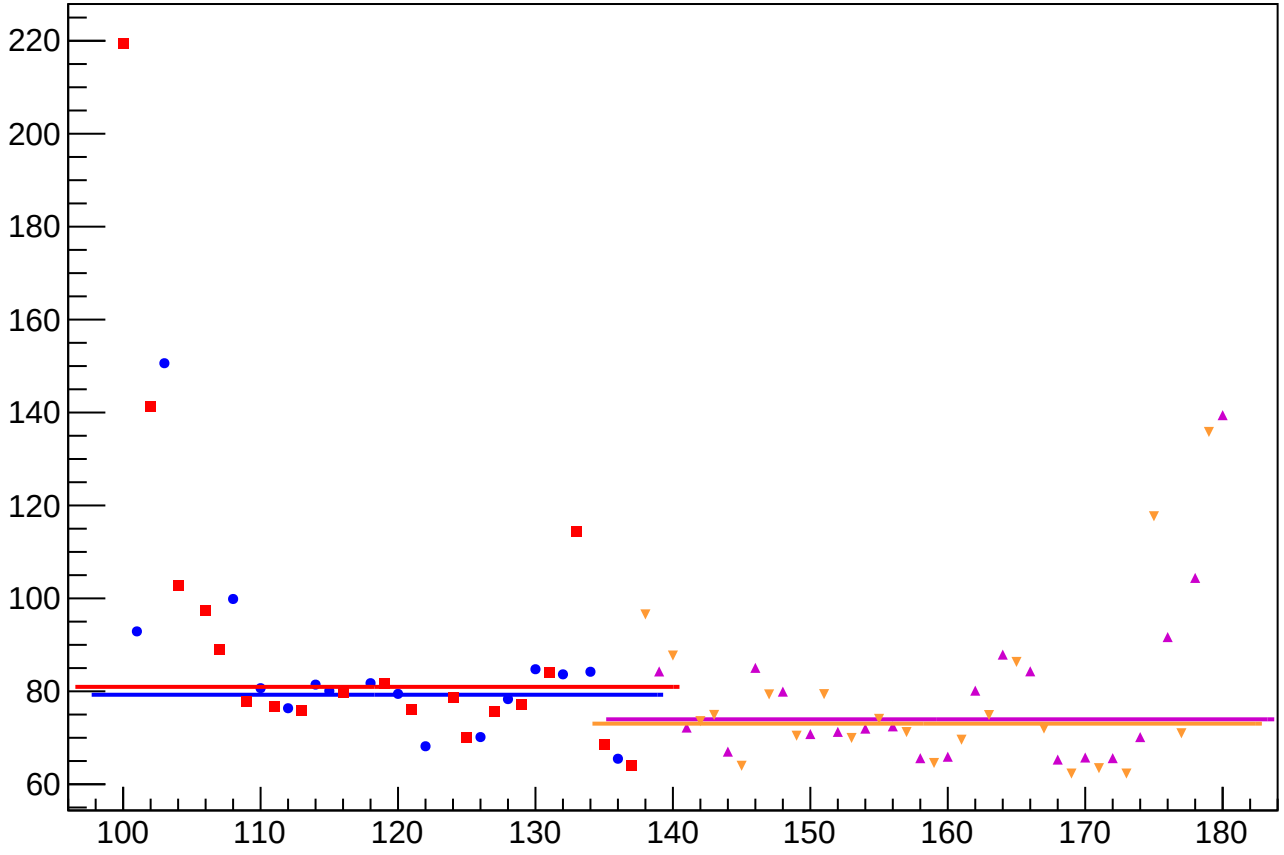
Left In: -62.547+/-18.356 χ^2/NDF:33.5/20

+ sign 33.329+/-15.456 χ^2/NDF: 38.1/37

All: -11.185+/-11.034 χ^2/NDF: 116.6/77

- 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: 73.043+/-0.013 χ^2/NDF:940863.7/21

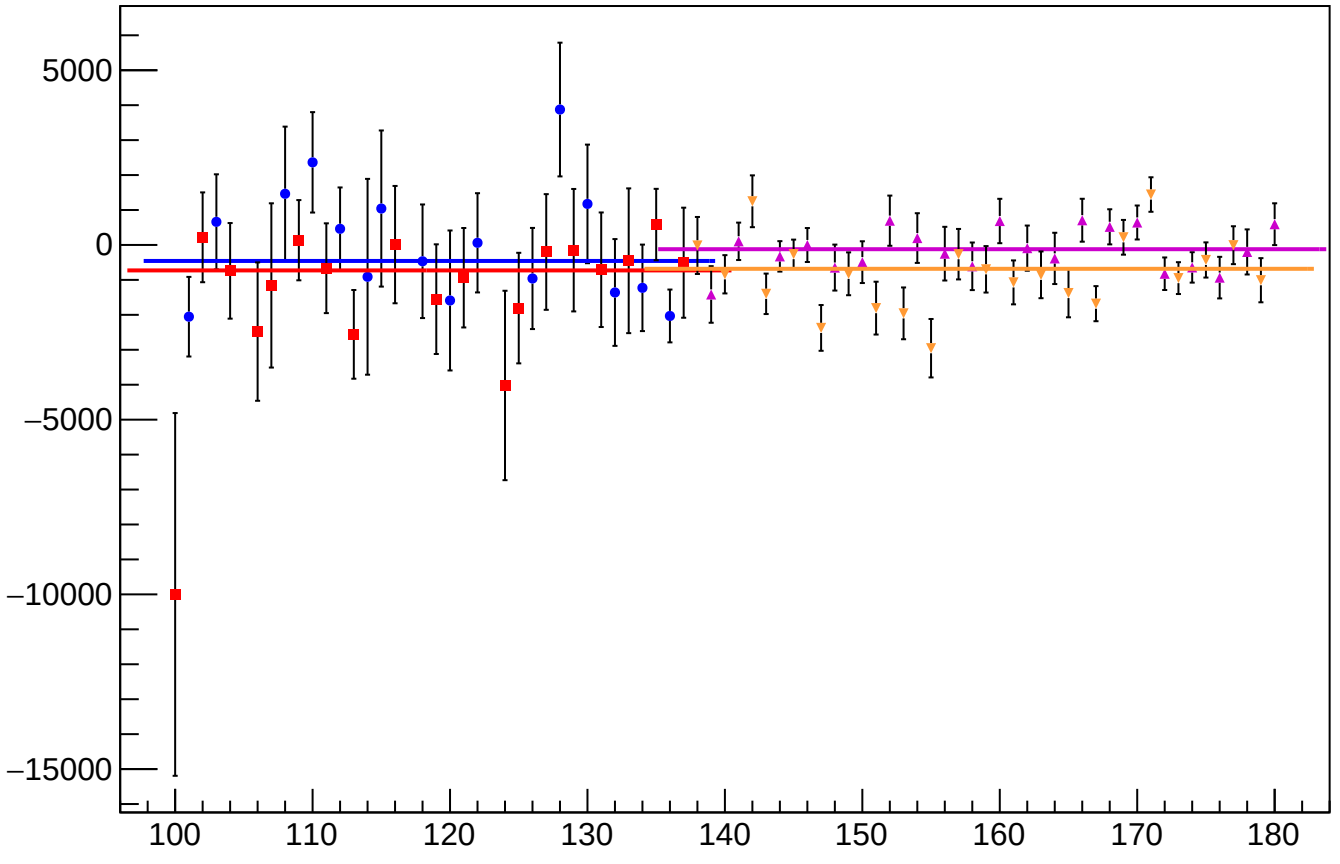
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.975+/-0.013 χ^2/NDF:832903.7/20

+ sign 74.657+/-0.011 χ^2/NDF: 1448027.8/37

All: 75.224+/-0.008 χ^2/NDF: 2876821.3/77

- 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: -682.754+/-125.748 χ^2/NDF:59.3/21

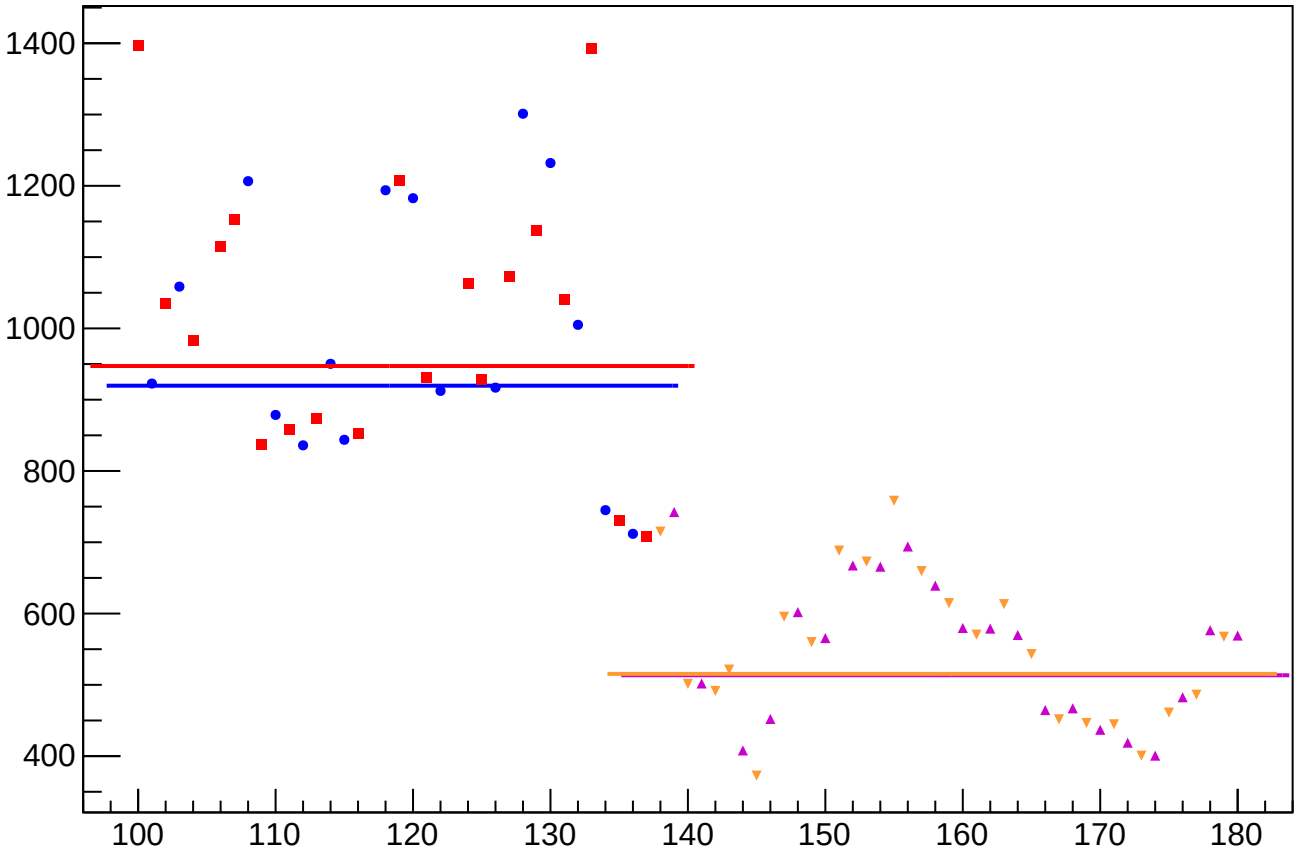
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -121.649+/-126.102 χ^2/NDF:20.8/20

+ sign -657.081+/-118.345 χ^2/NDF: 80.0/37

All: -424.562+/-83.821 χ^2/NDF: 122.7/77

- 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: 515.374+/-0.089 χ^2/NDF:1230553.0/21

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

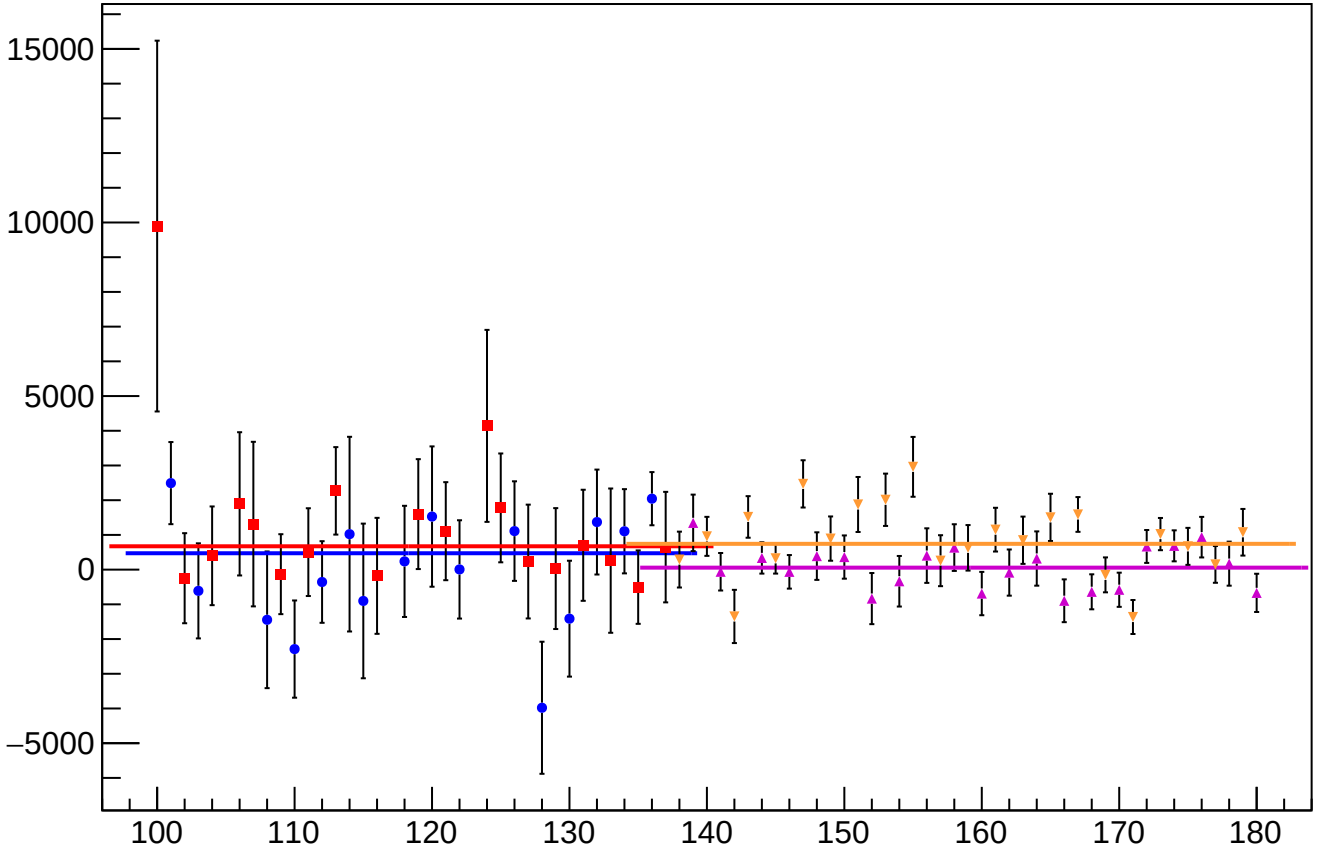
Left In: 513.459+/-0.089 χ^2/NDF:1115778.6/20

+ sign 561.575+/-0.084 χ^2/NDF: 4108273.2/37

All: 562.115+/-0.059 χ^2/NDF: 8334141.2/77

- 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: 742.960+/-128.286 χ^2/NDF:57.1/21

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

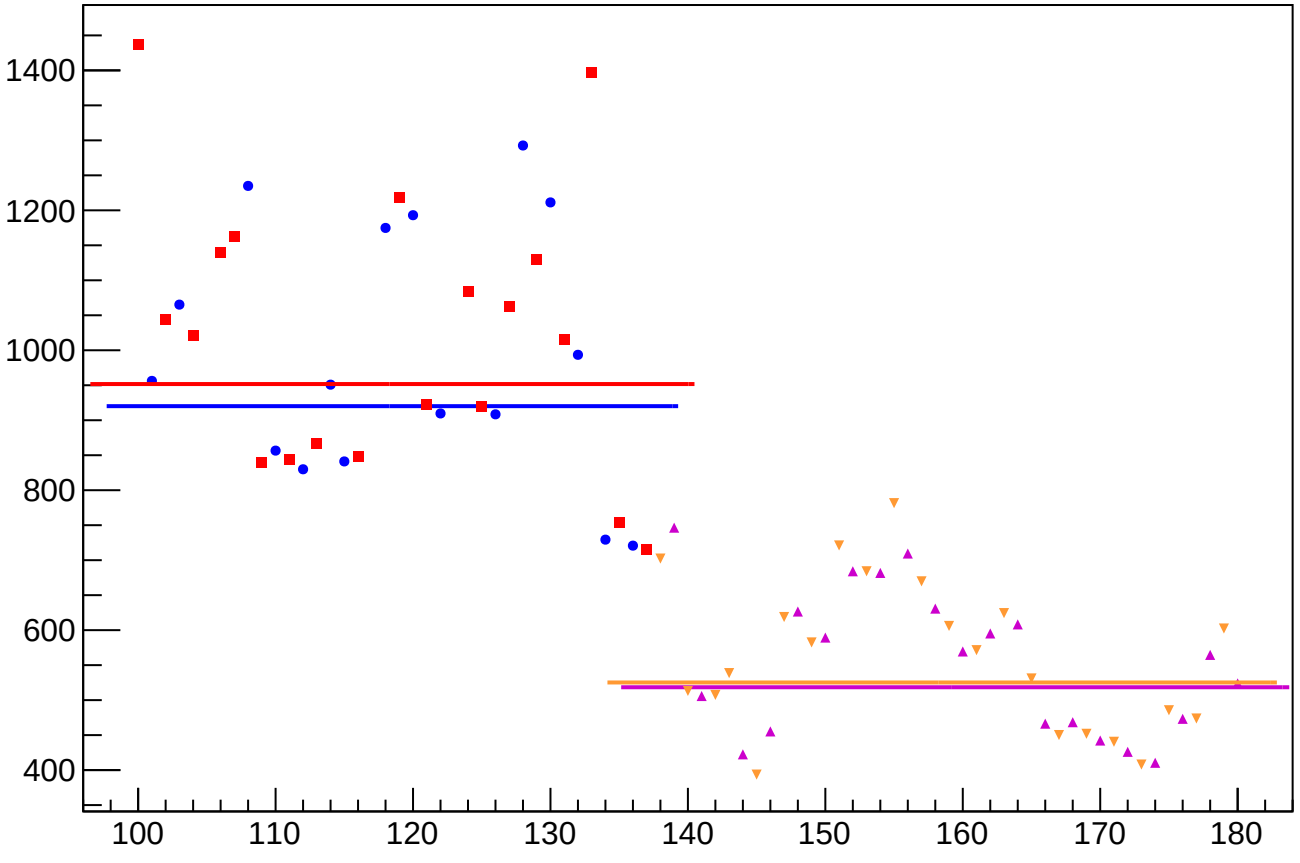
Left In: 57.054+/-127.279 χ^2/NDF:21.4/20

+ sign 710.932+/-120.465 χ^2/NDF: 79.1/37

All: 417.496+/-84.943 χ^2/NDF: 125.3/77

- 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: 525.234+/-0.091 χ^2/NDF:1213197.1/21

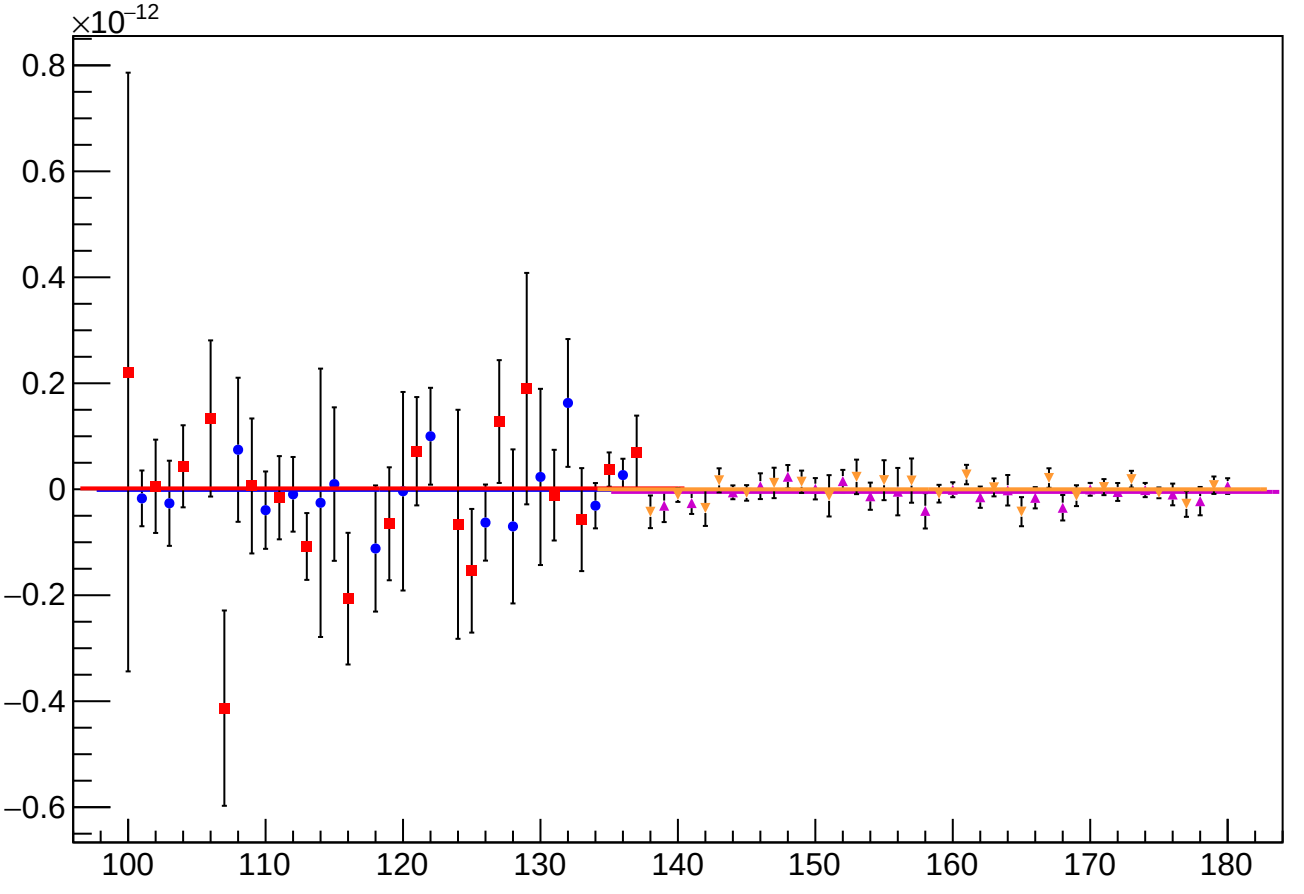
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.393+/-0.090 χ^2/NDF:1098330.9/20

\+ sign 571.914+/-0.085 χ^2/NDF: 3962049.8/37

All: 569.881+/-0.060 χ^2/NDF: 8124651.8/77

\- 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:16.1/21

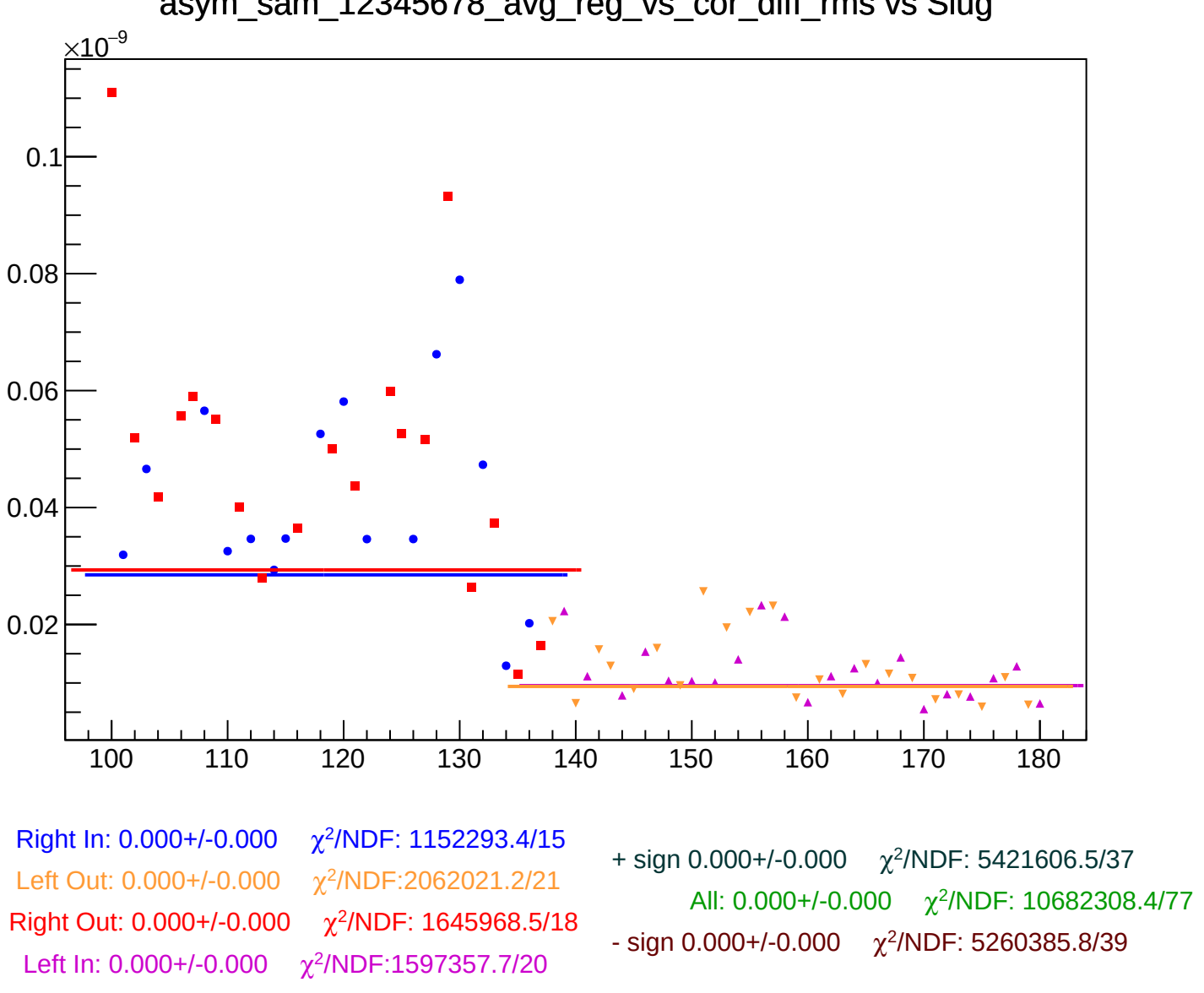
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

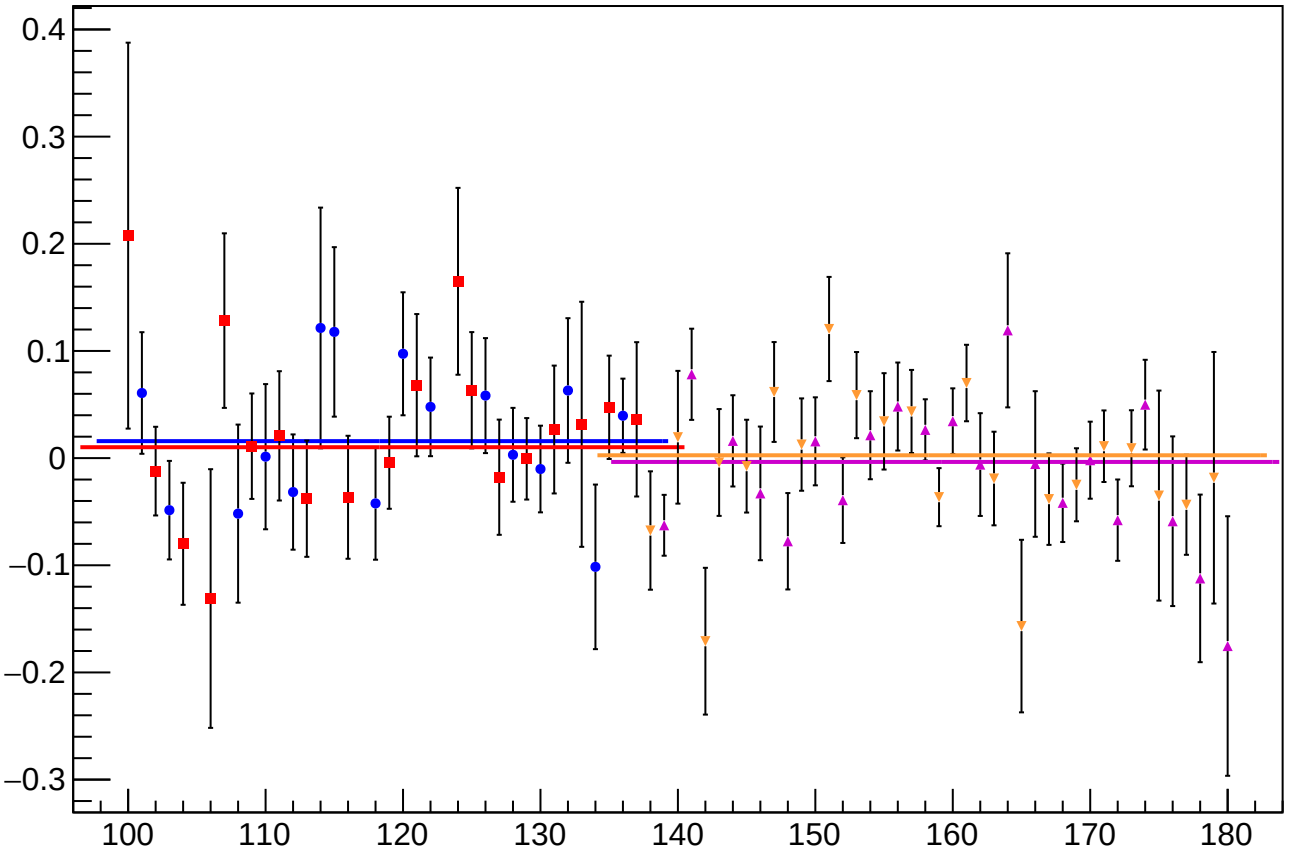
Left In: -0.000+/-0.000 χ^2/NDF:9.4/20

+ sign -0.000+/-0.000 χ^2/NDF: 23.2/37

All: -0.000+/-0.000 χ^2/NDF: 52.7/77

- 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:2062021.2/21
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: 5421606.5/37
All: 0.000+/-0.000 χ²/NDF: 10682308.4/77
- 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:31.9/21

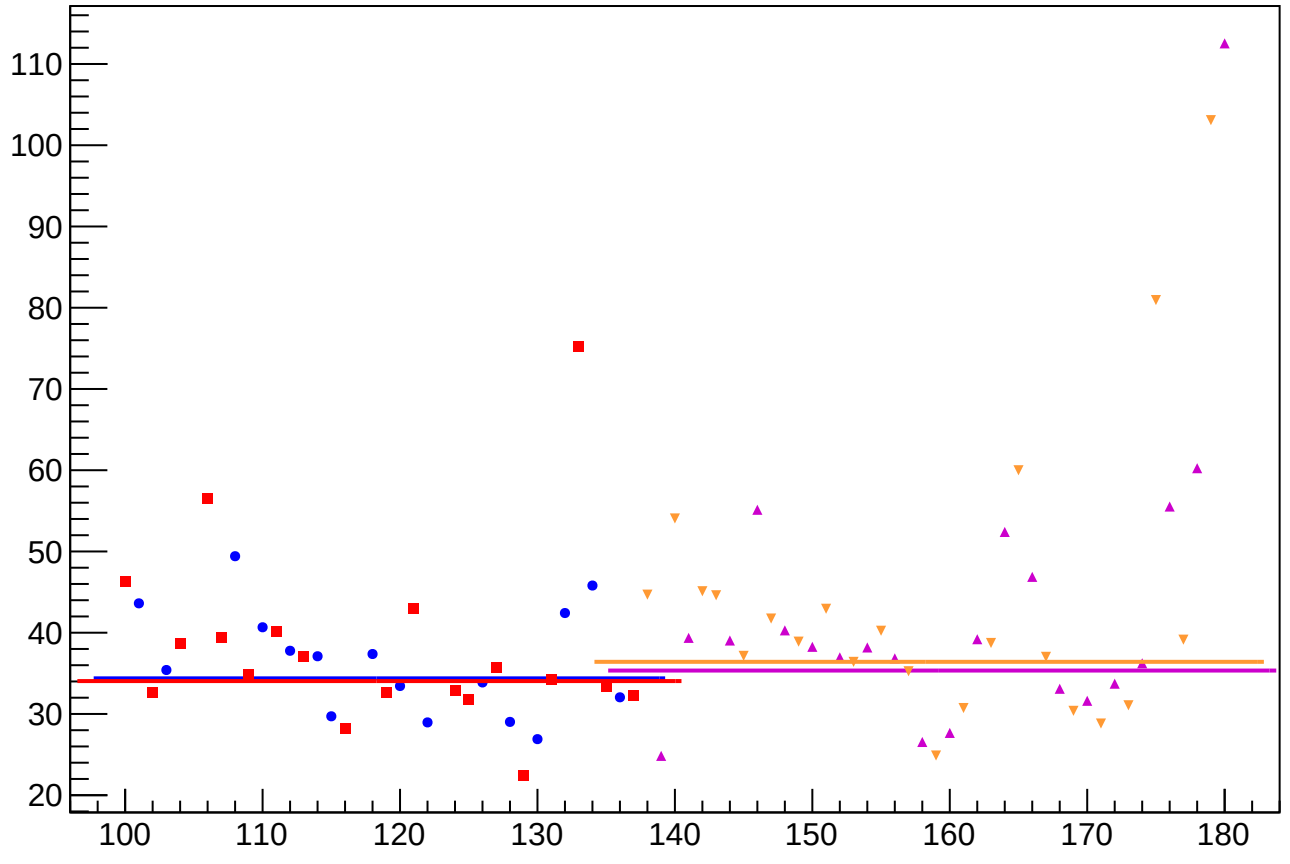
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.004+/-0.009 χ^2/NDF:28.9/20

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/37

All: 0.004+/-0.005 χ^2/NDF: 92.4/77

- 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: 36.417+/-0.007 χ^2/NDF:2246419.9/21

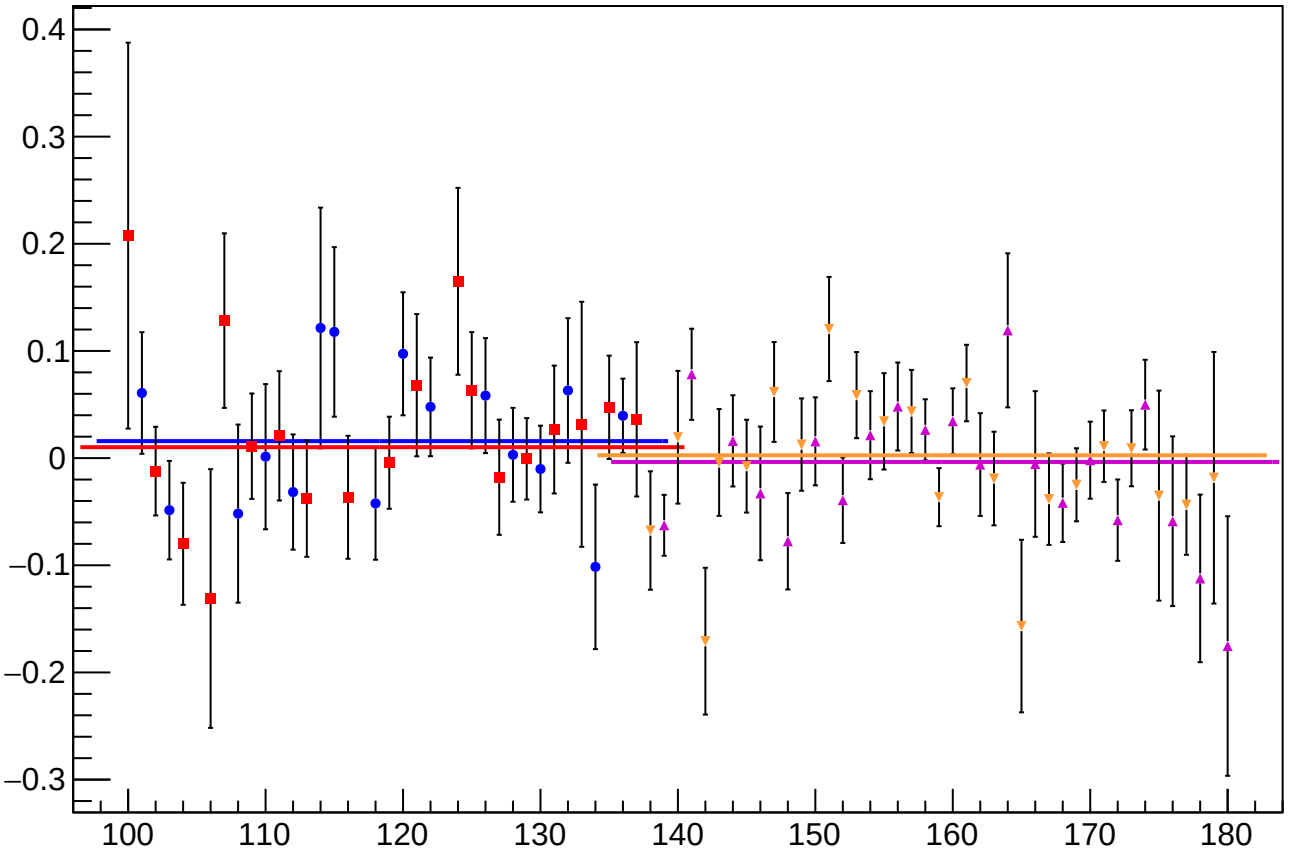
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.343+/-0.007 χ^2/NDF:2235433.7/20

+ sign 35.753+/-0.005 χ^2/NDF: 2645402.5/37

All: 35.330+/-0.004 χ^2/NDF: 5548504.3/77

- 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:31.9/21

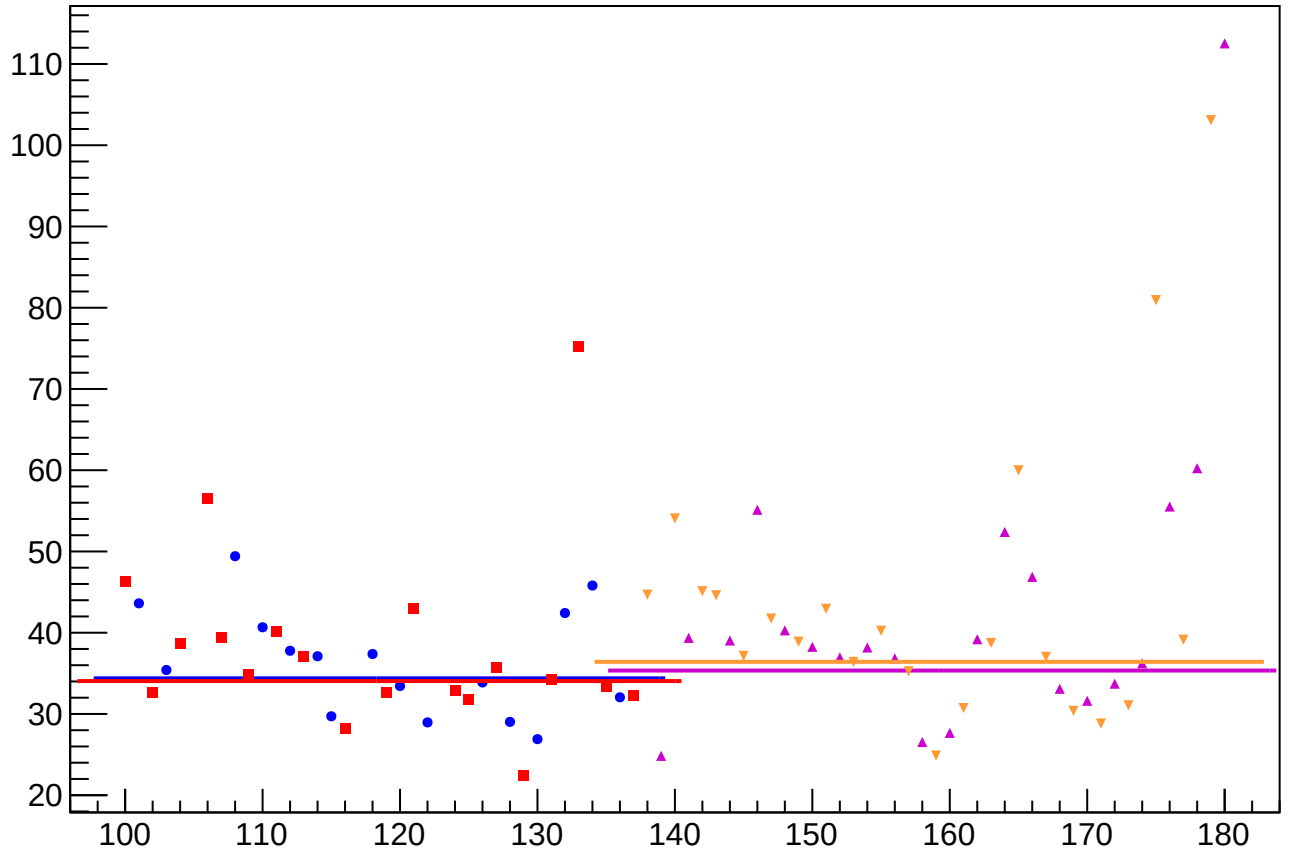
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.004+/-0.009 χ^2/NDF:28.9/20

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/37

All: 0.004+/-0.005 χ^2/NDF: 92.4/77

- 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: 36.417+/-0.007 χ^2/NDF:2246419.9/21

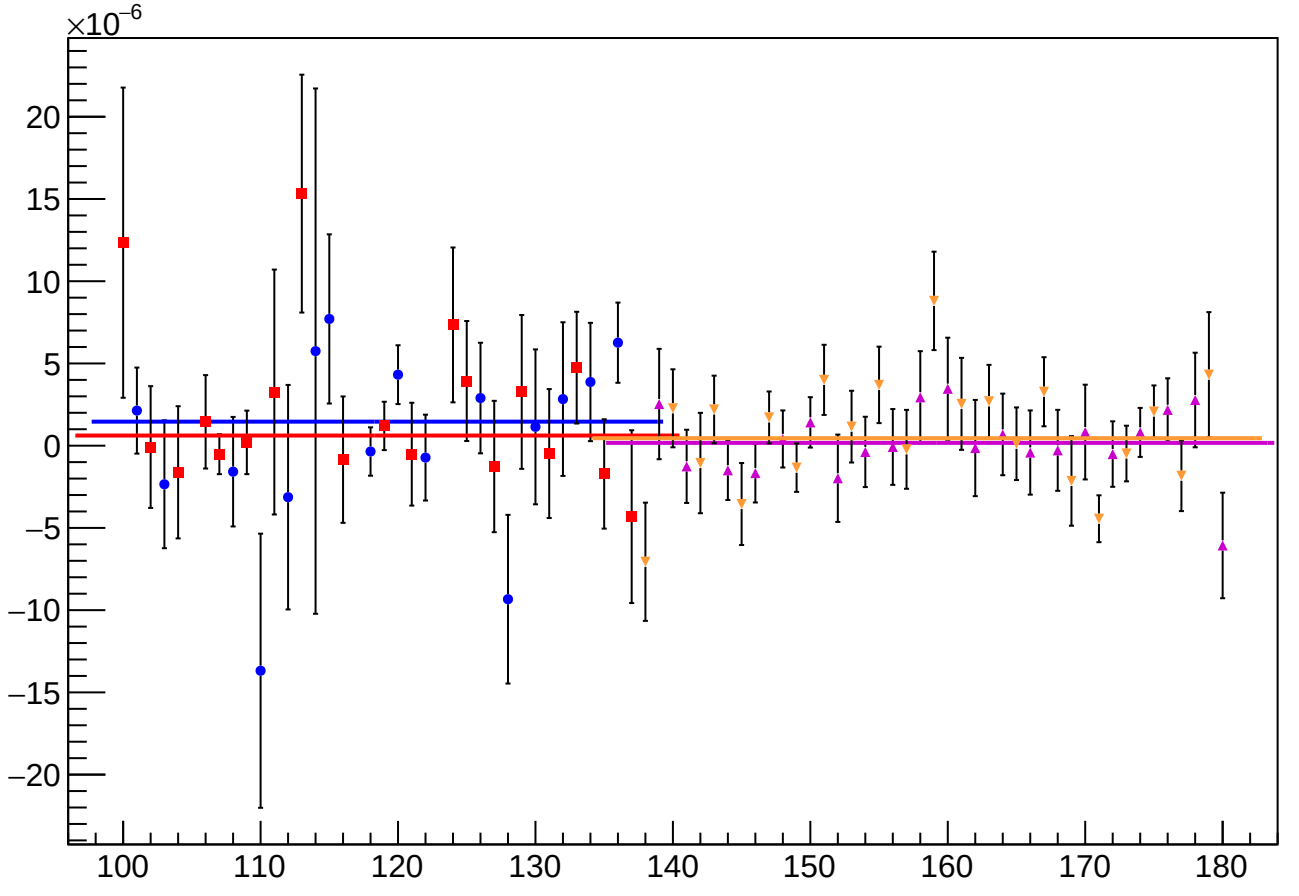
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.343+/-0.007 χ^2/NDF:2235433.7/20

+ sign 35.753+/-0.005 χ^2/NDF: 2645402.5/37

All: 35.330+/-0.004 χ^2/NDF: 5548504.3/77

- 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:42.9/21

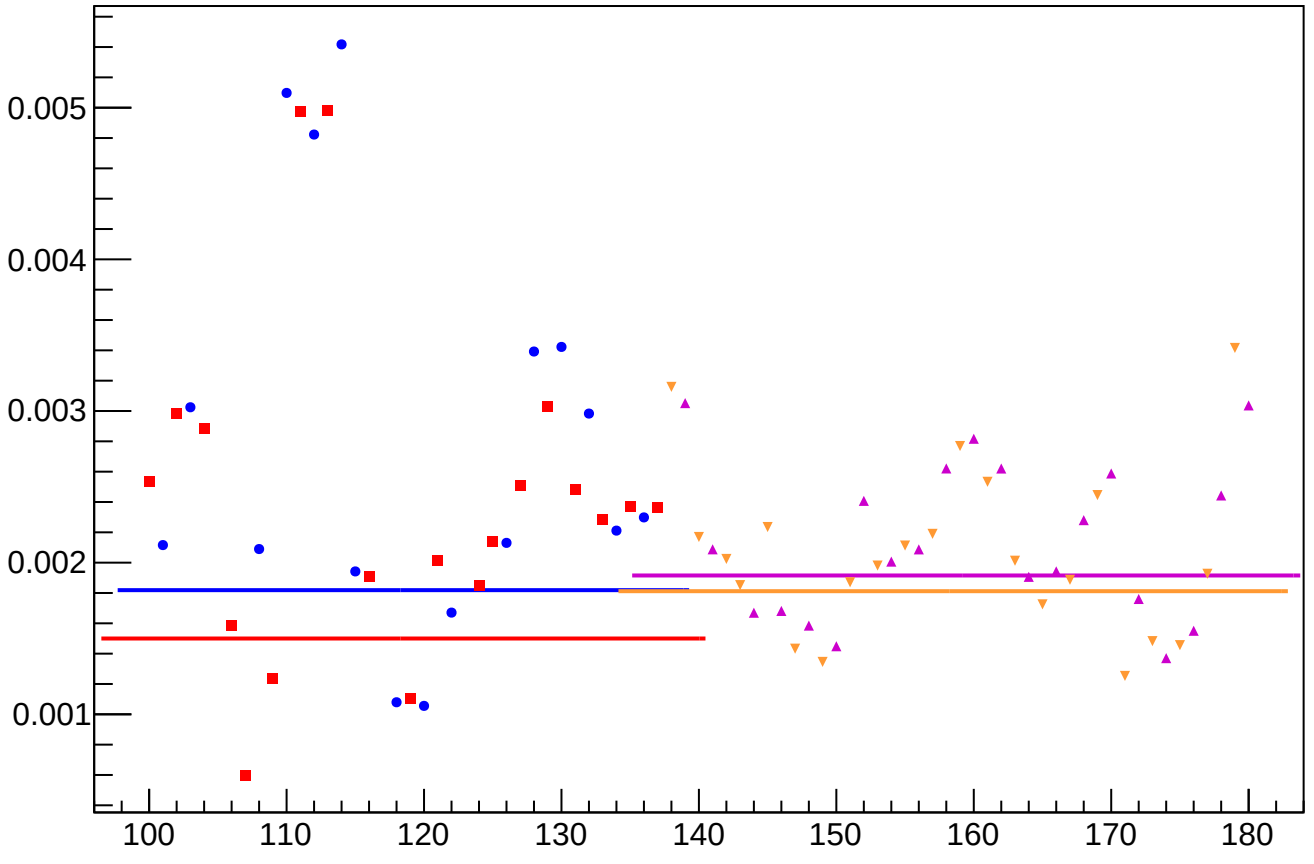
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/20

+ sign 0.000+/-0.000 χ^2/NDF: 65.2/37

All: 0.000+/-0.000 χ^2/NDF: 92.5/77

- 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:2120479.8/21

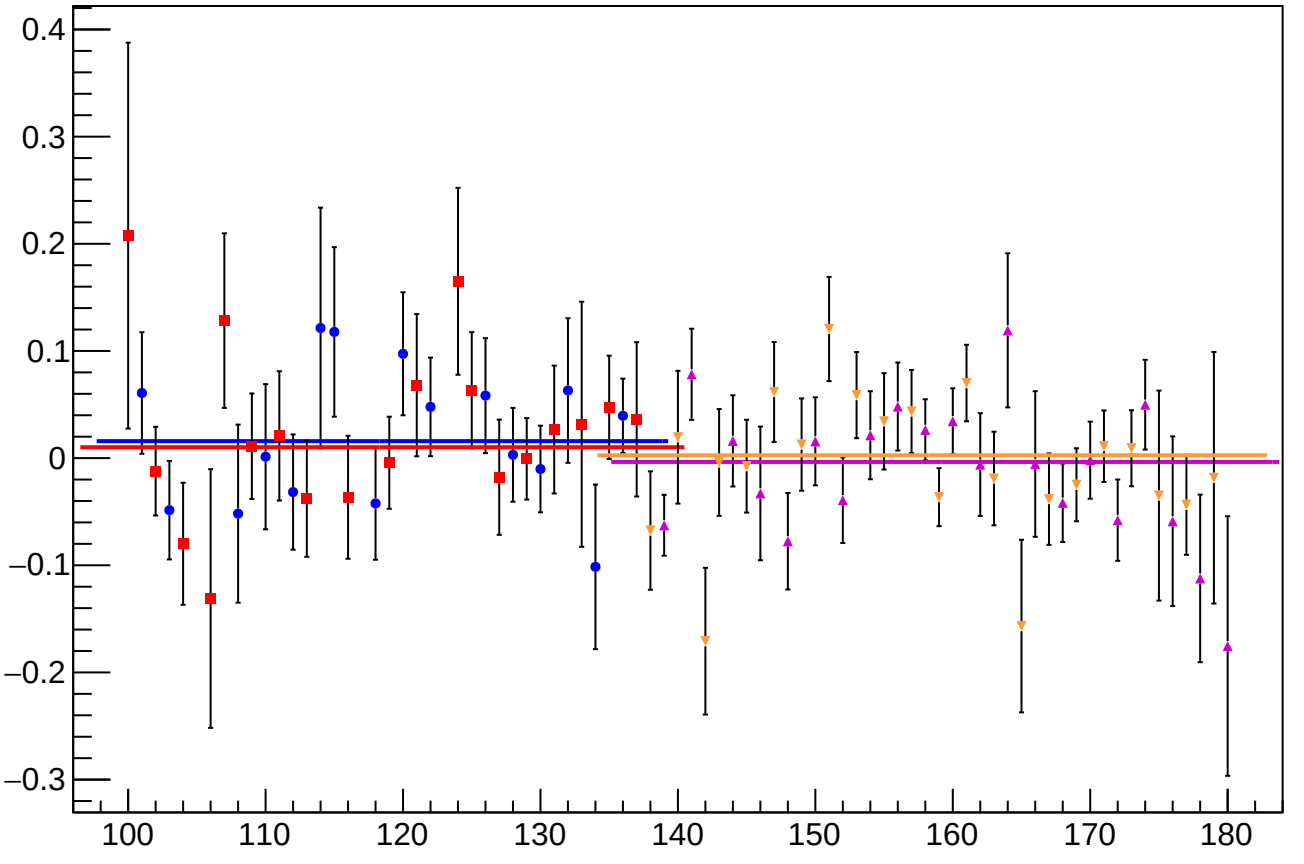
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1882823.2/20

\+ sign 0.002+/-0.000 χ^2/NDF: 4690851.6/37

All: 0.002+/-0.000 χ^2/NDF: 10811013.6/77

\- 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:31.9/21

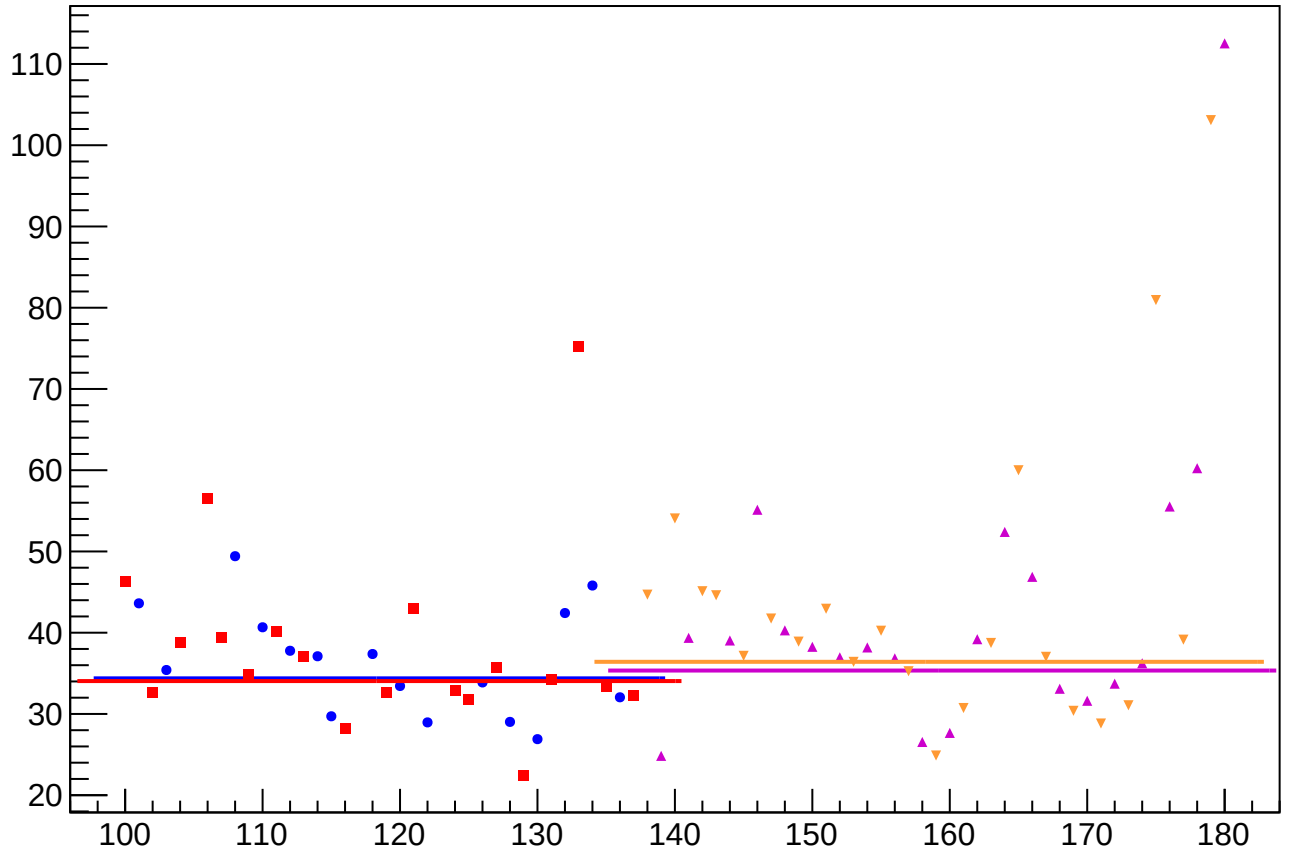
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.004+/-0.009 χ^2/NDF:28.9/20

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/37

All: 0.004+/-0.005 χ^2/NDF: 92.4/77

- 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: 36.417+/-0.007 χ^2/NDF:2246485.4/21

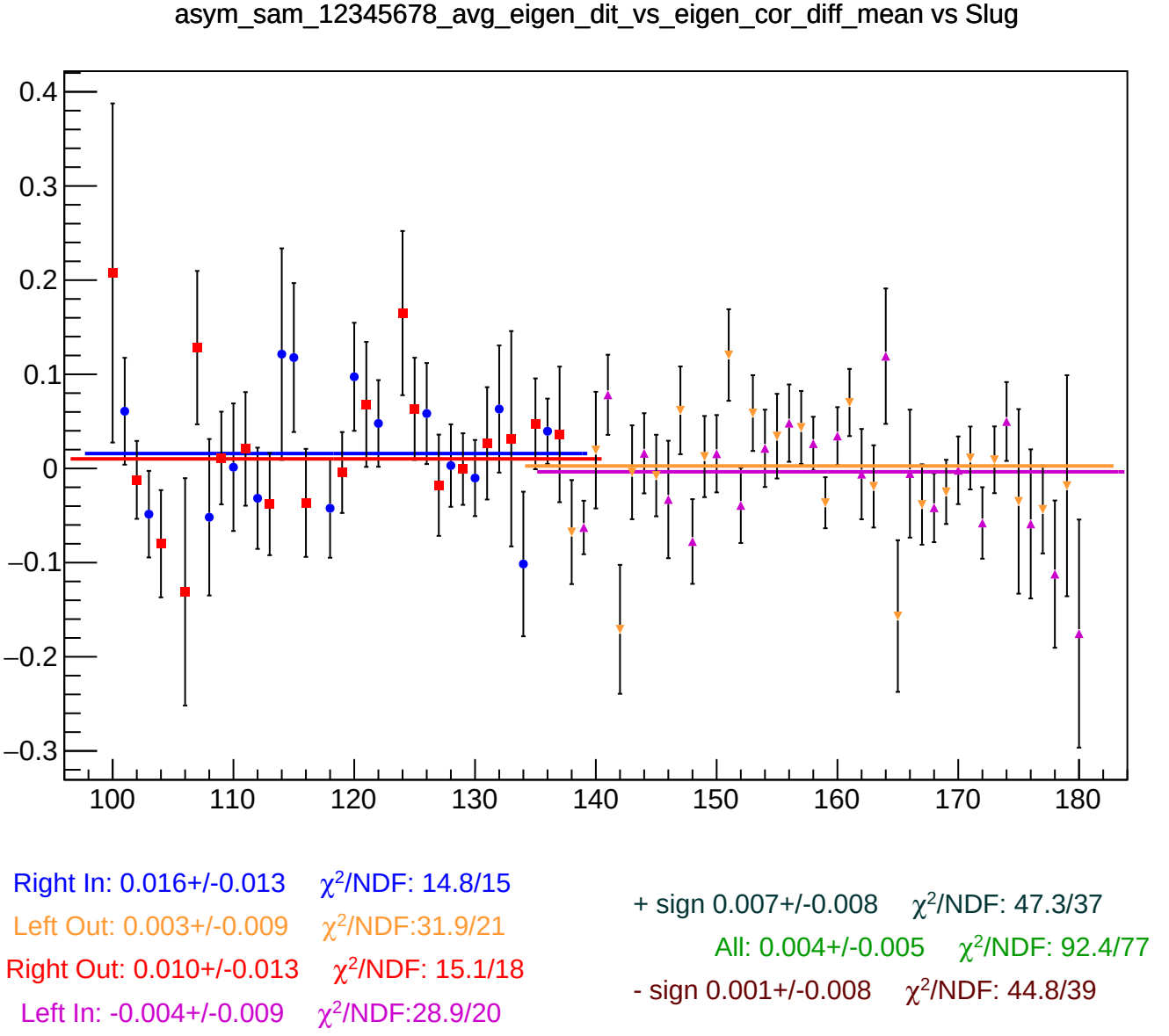
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

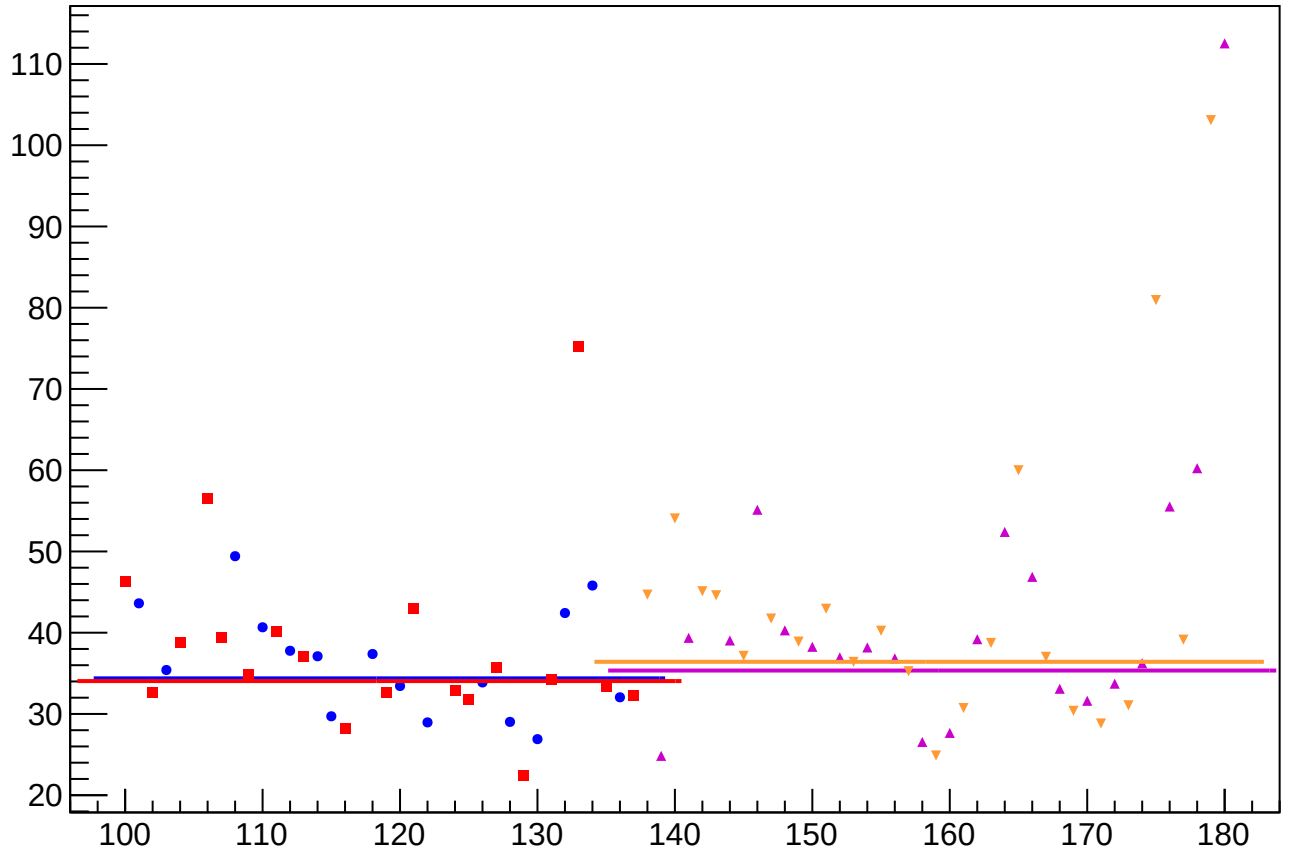
Left In: 35.343+/-0.007 χ^2/NDF:2235457.1/20

+ sign 35.753+/-0.005 χ^2/NDF: 2645554.8/37

All: 35.330+/-0.004 χ^2/NDF: 5548736.3/77

- sign 34.920+/-0.005 χ^2/NDF: 2891170.2/39


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.003+/-0.009 χ²/NDF:31.9/21
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.004+/-0.009 χ²/NDF:28.9/20
+ sign 0.007+/-0.008 χ²/NDF: 47.3/37
All: 0.004+/-0.005 χ²/NDF: 92.4/77
- sign 0.001+/-0.008 χ²/NDF: 44.8/39



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246485.4/21

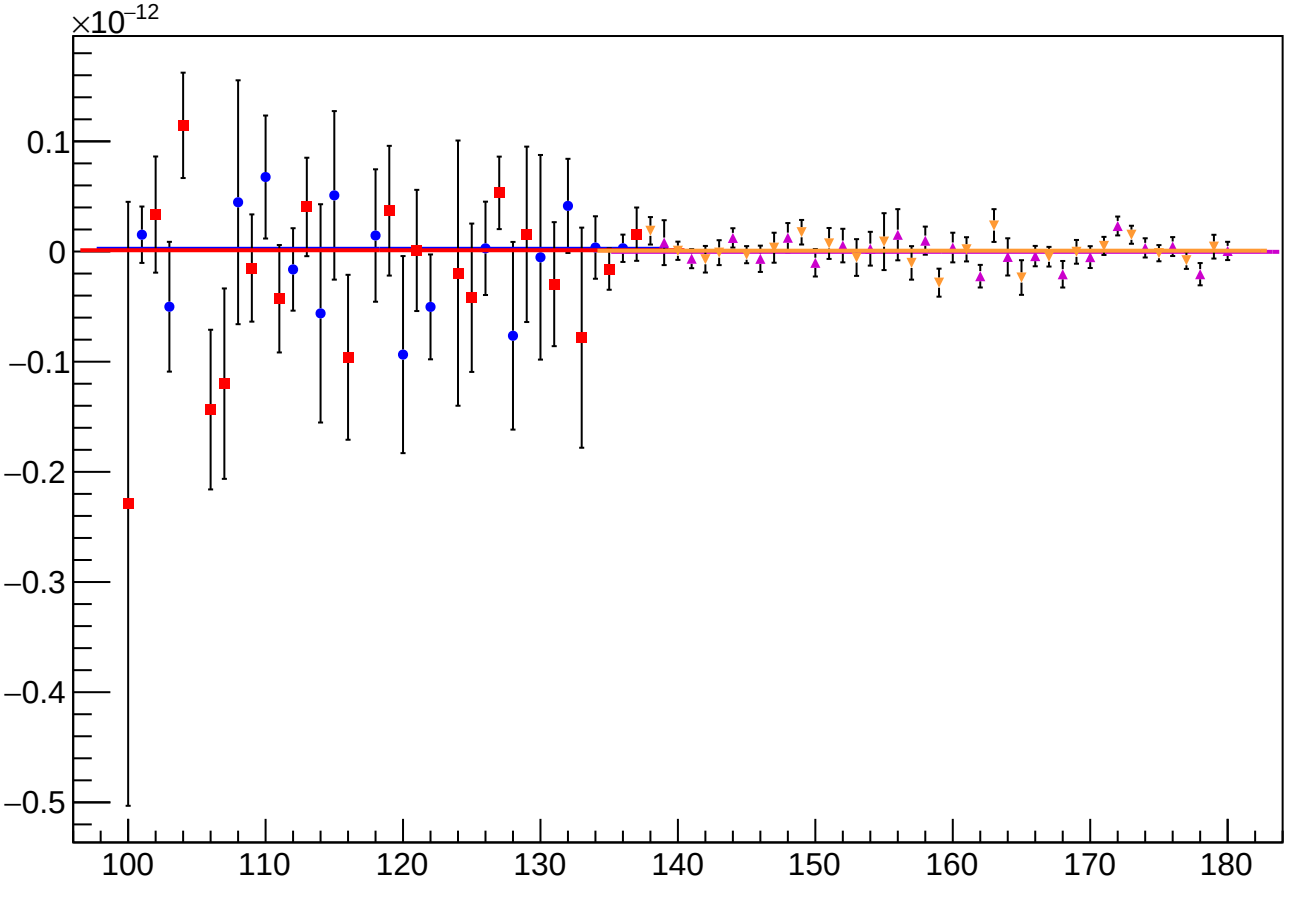
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.343+/-0.007 χ^2/NDF:2235457.1/20

\+ sign 35.753+/-0.005 χ^2/NDF: 2645554.8/37

All: 35.330+/-0.004 χ^2/NDF: 5548736.3/77

\- 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:21.2/21

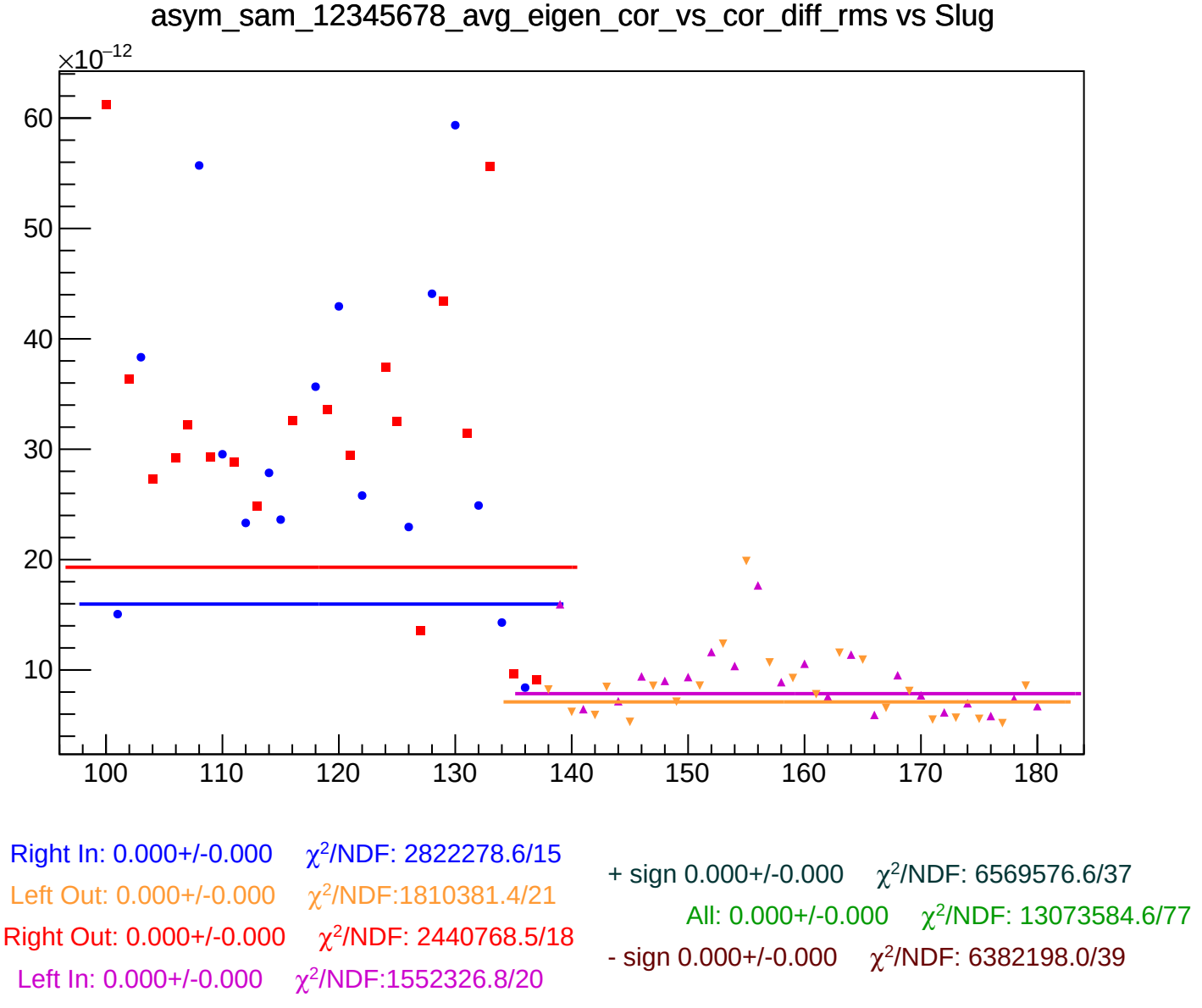
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:25.9/20

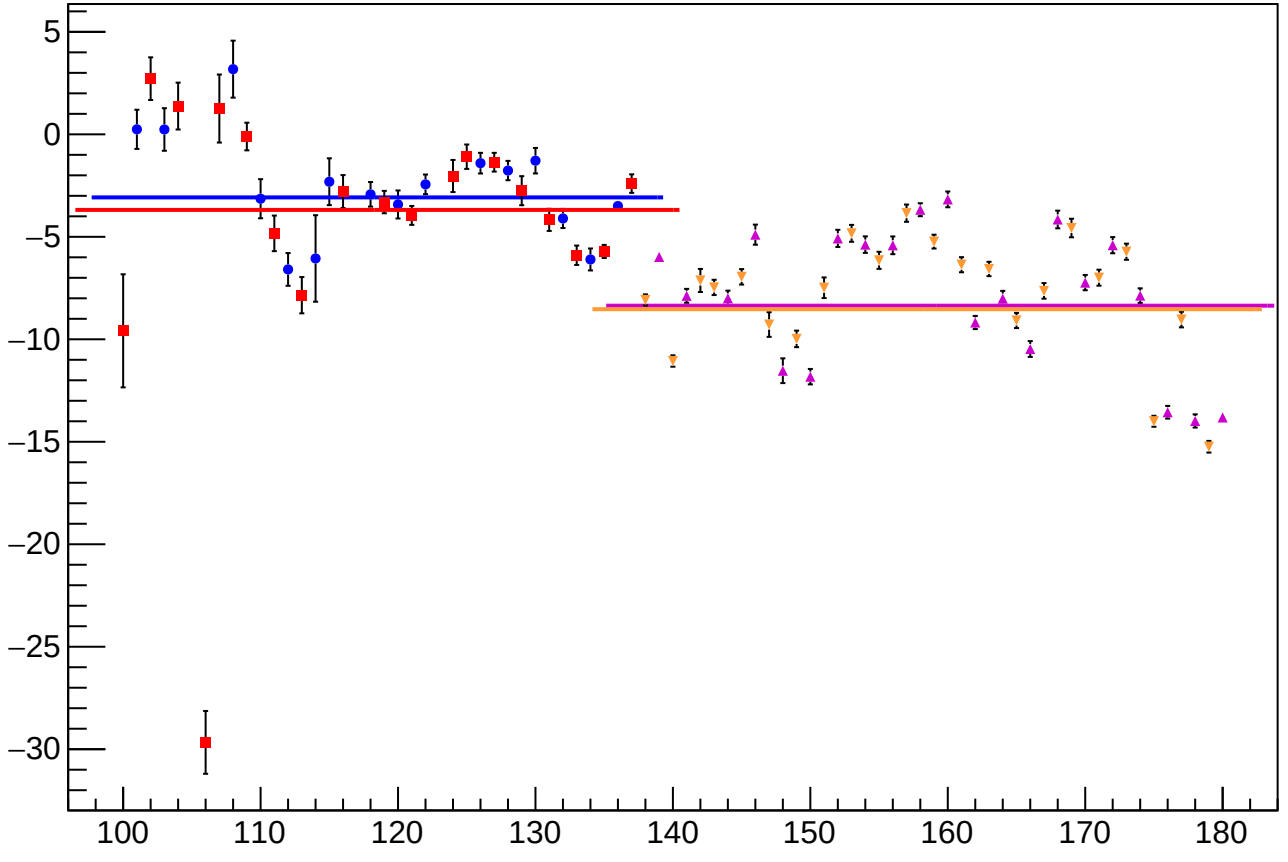
+ sign 0.000+/-0.000 χ^2/NDF: 28.9/37

All: 0.000+/-0.000 χ^2/NDF: 76.5/77

- 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:1810381.4/21
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: 6569576.6/37
All: 0.000+/-0.000 χ²/NDF: 13073584.6/77
- 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: -8.532+/-0.078 χ^2/NDF:1658.2/21

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

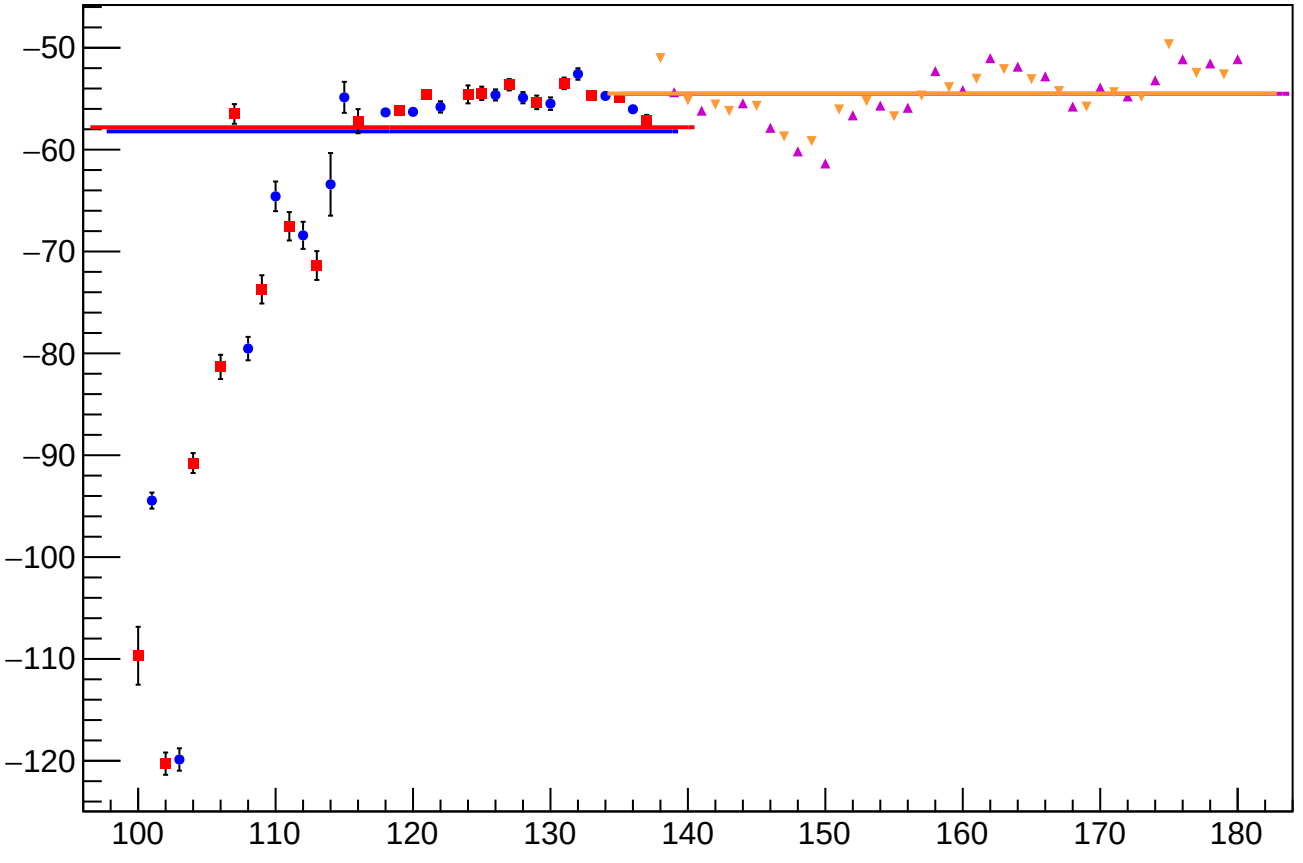
Left In: -8.360+/-0.077 χ^2/NDF:2100.9/20

+ sign -7.165+/-0.068 χ^2/NDF: 3011.4/37

All: -7.219+/-0.048 χ^2/NDF: 6500.8/77

- 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: -54.489+/-0.060 χ^2/NDF:1463.2/21

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

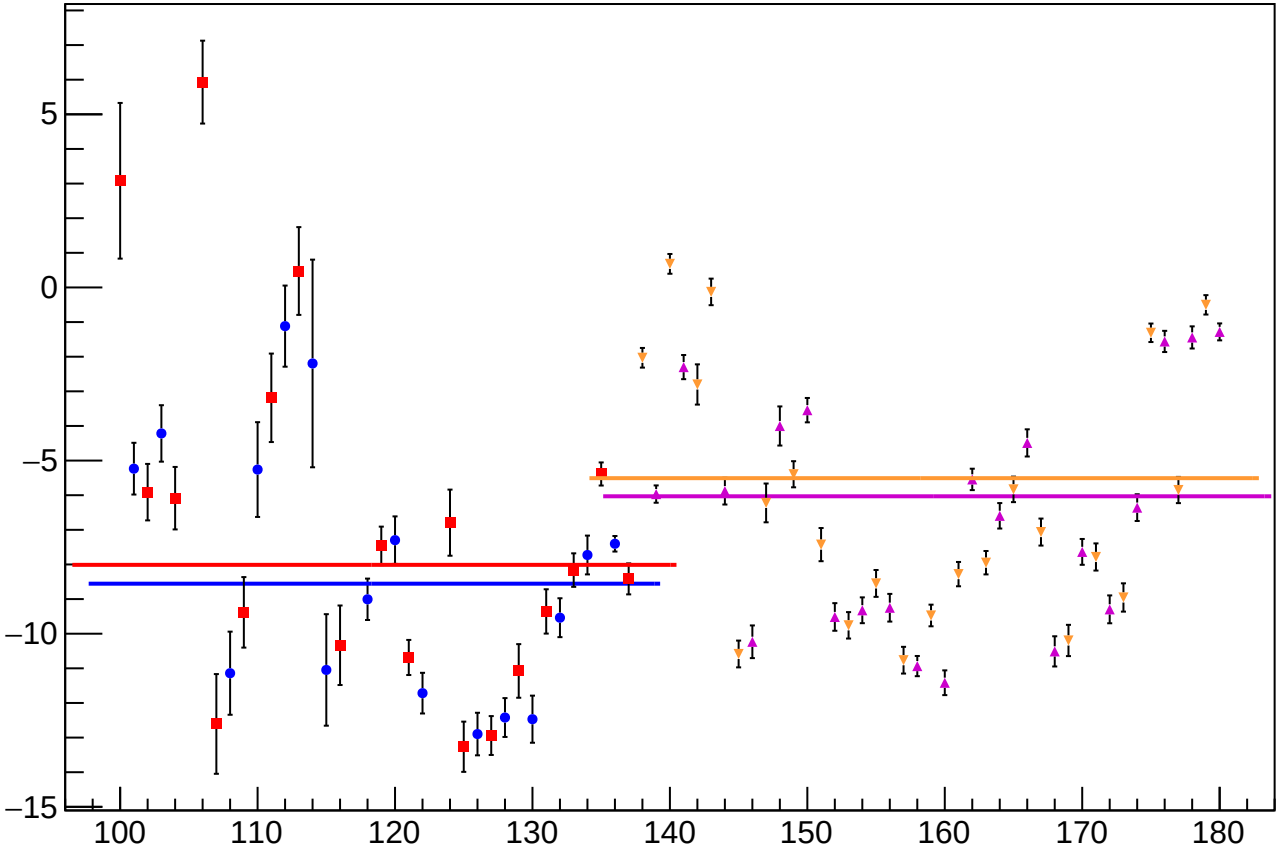
Left In: -54.515+/-0.061 χ^2/NDF:2263.2/20

\+ sign -55.092+/-0.055 χ^2/NDF: 8219.2/37

All: -55.072+/-0.039 χ^2/NDF: 16747.5/77

\- 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: -5.508+/-0.077 χ^2/NDF:2471.1/21

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

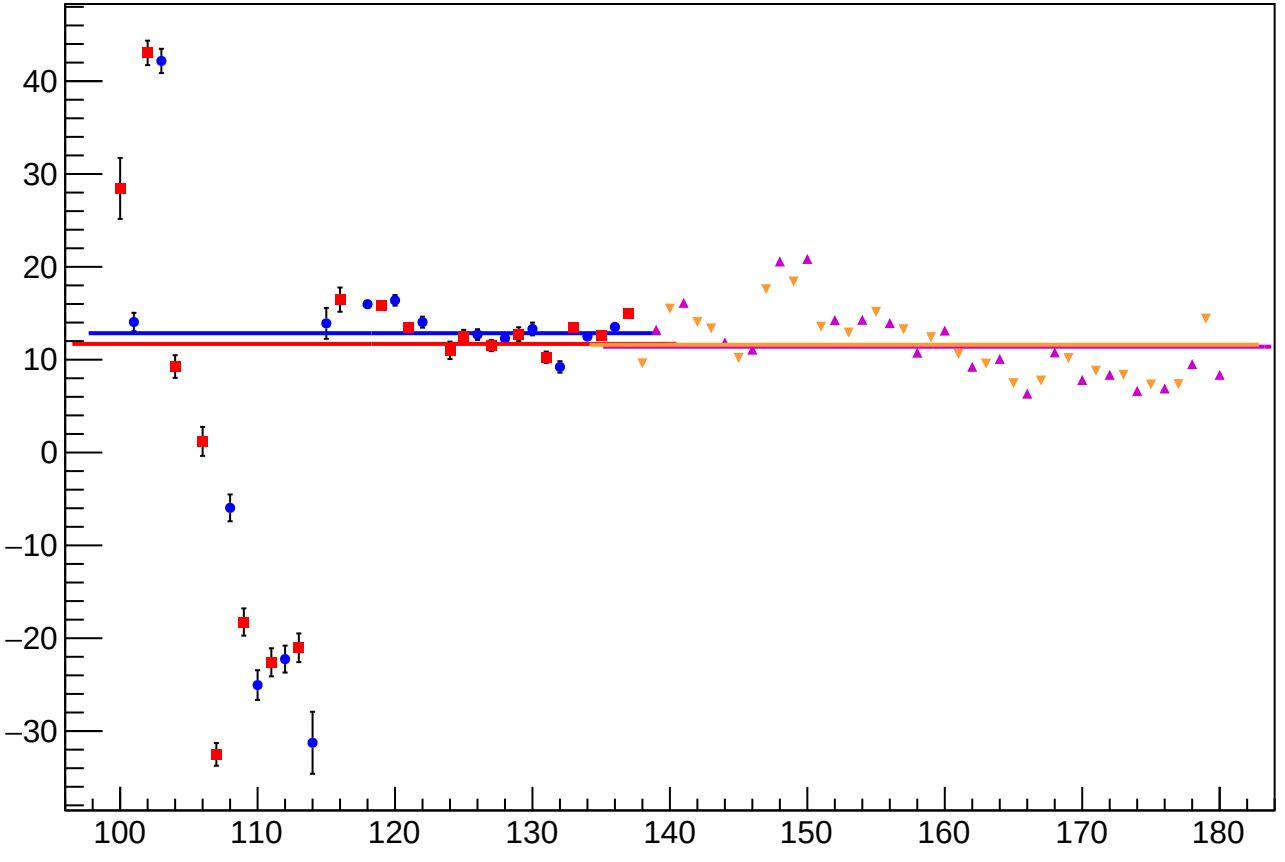
Left In: -6.031+/-0.076 χ^2/NDF:1991.3/20

+ sign -6.182+/-0.068 χ^2/NDF: 3117.1/37

All: -6.303+/-0.048 χ^2/NDF: 5738.5/77

- 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: 11.611+/-0.067 χ^2/NDF:2311.2/21

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

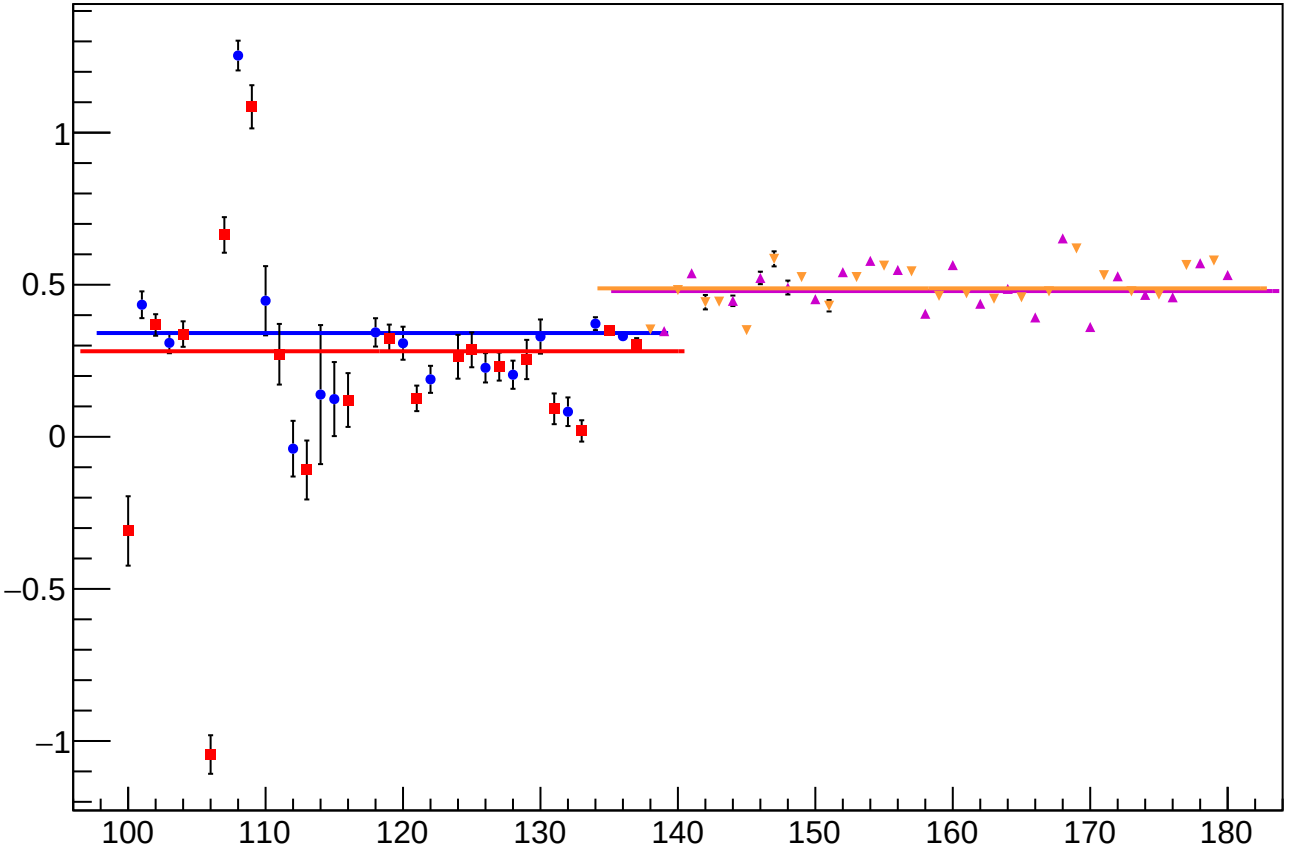
Left In: 11.401+/-0.068 χ^2/NDF:3237.0/20

\+ sign 11.816+/-0.061 χ^2/NDF: 4496.6/37

All: 11.635+/-0.043 χ^2/NDF: 11253.3/77

\- 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: 0.488+/-0.003 χ^2/NDF:523.7/21

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

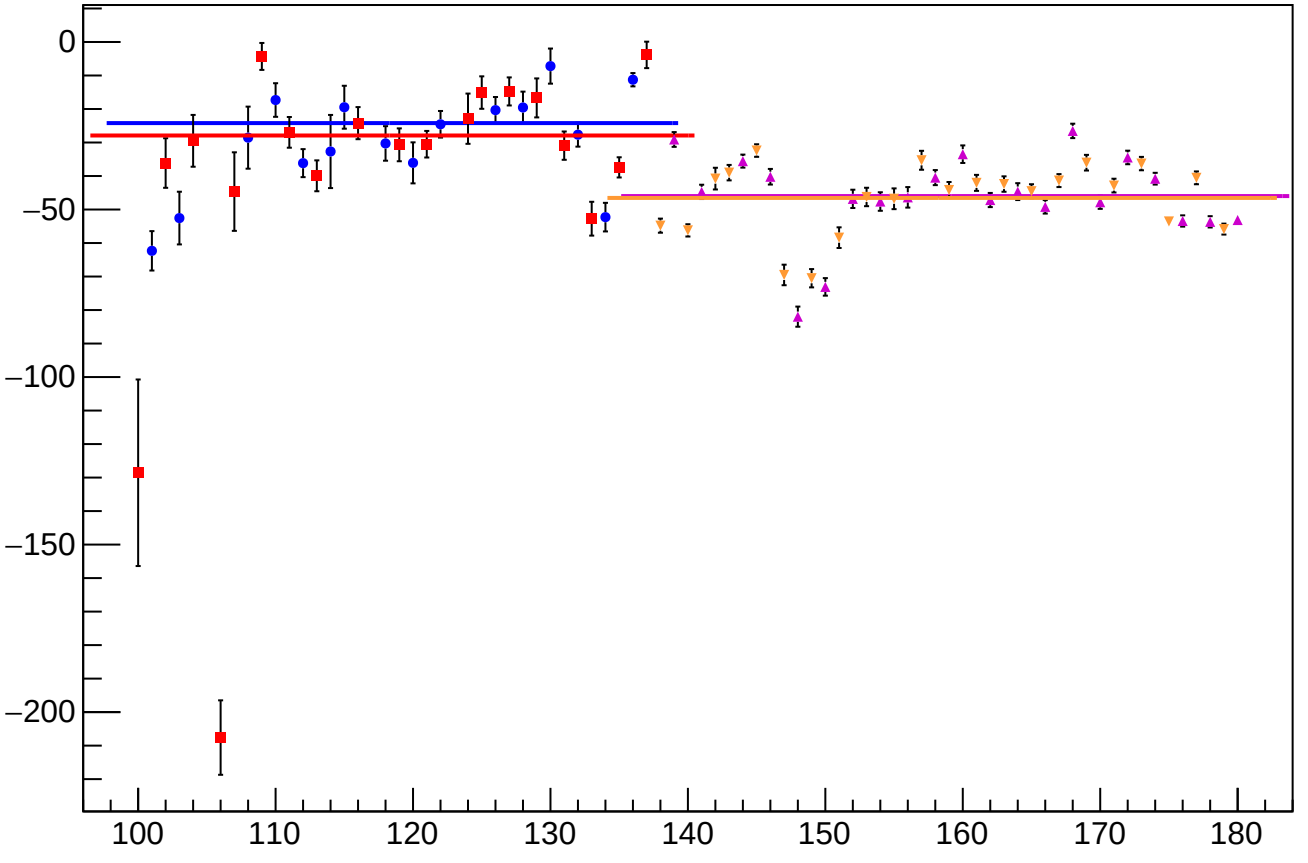
Left In: 0.479+/-0.003 χ^2/NDF:795.7/20

+ sign 0.470+/-0.003 χ^2/NDF: 1264.0/37

All: 0.464+/-0.002 χ^2/NDF: 3335.0/77

- 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: -46.539+/-0.467 χ^2/NDF:407.5/21

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

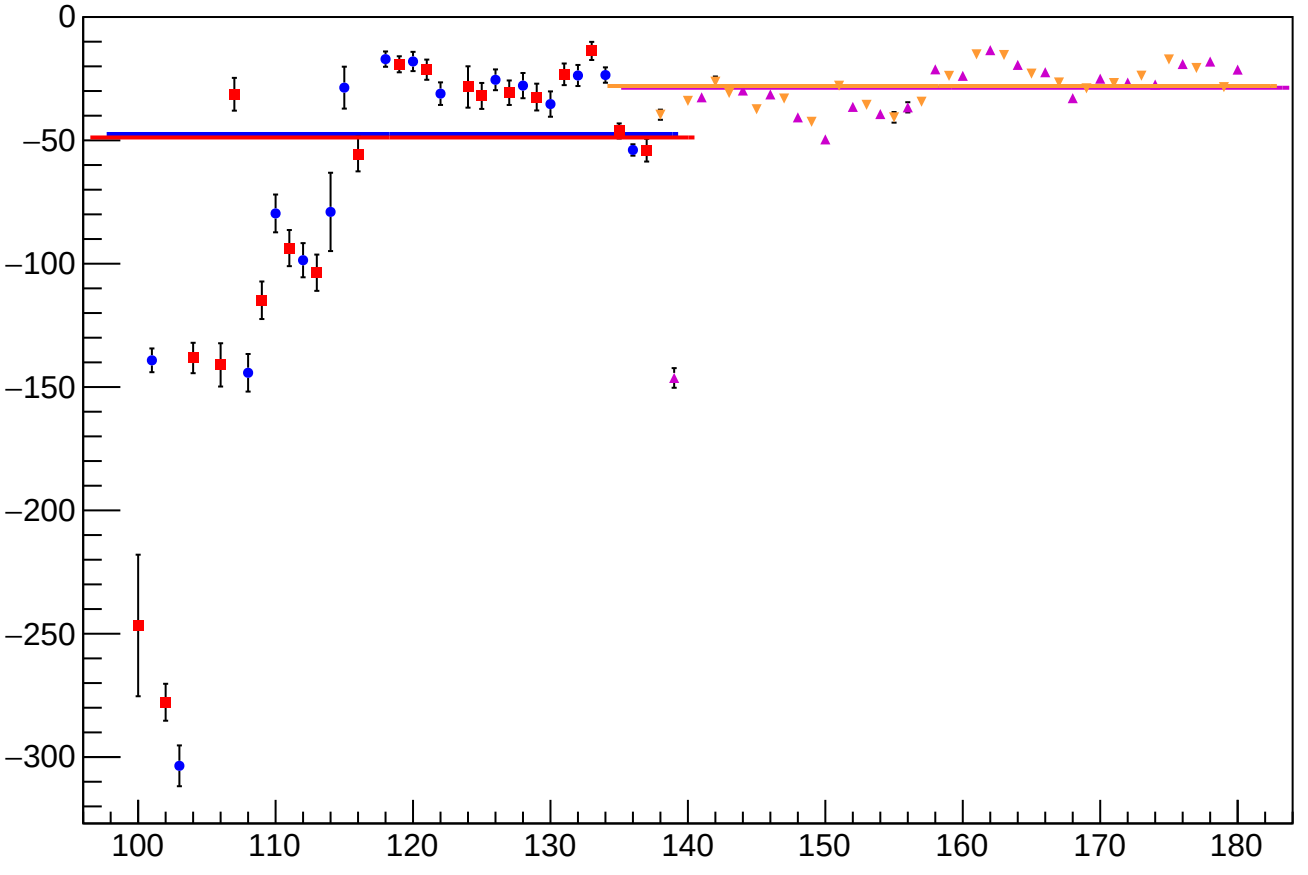
Left In: -45.988+/-0.456 χ^2/NDF:571.4/20

+ sign -43.061+/-0.429 χ^2/NDF: 935.0/37

All: -43.275+/-0.301 χ^2/NDF: 2138.2/77

- 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: -27.971+/-0.349 χ^2/NDF:462.4/21

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

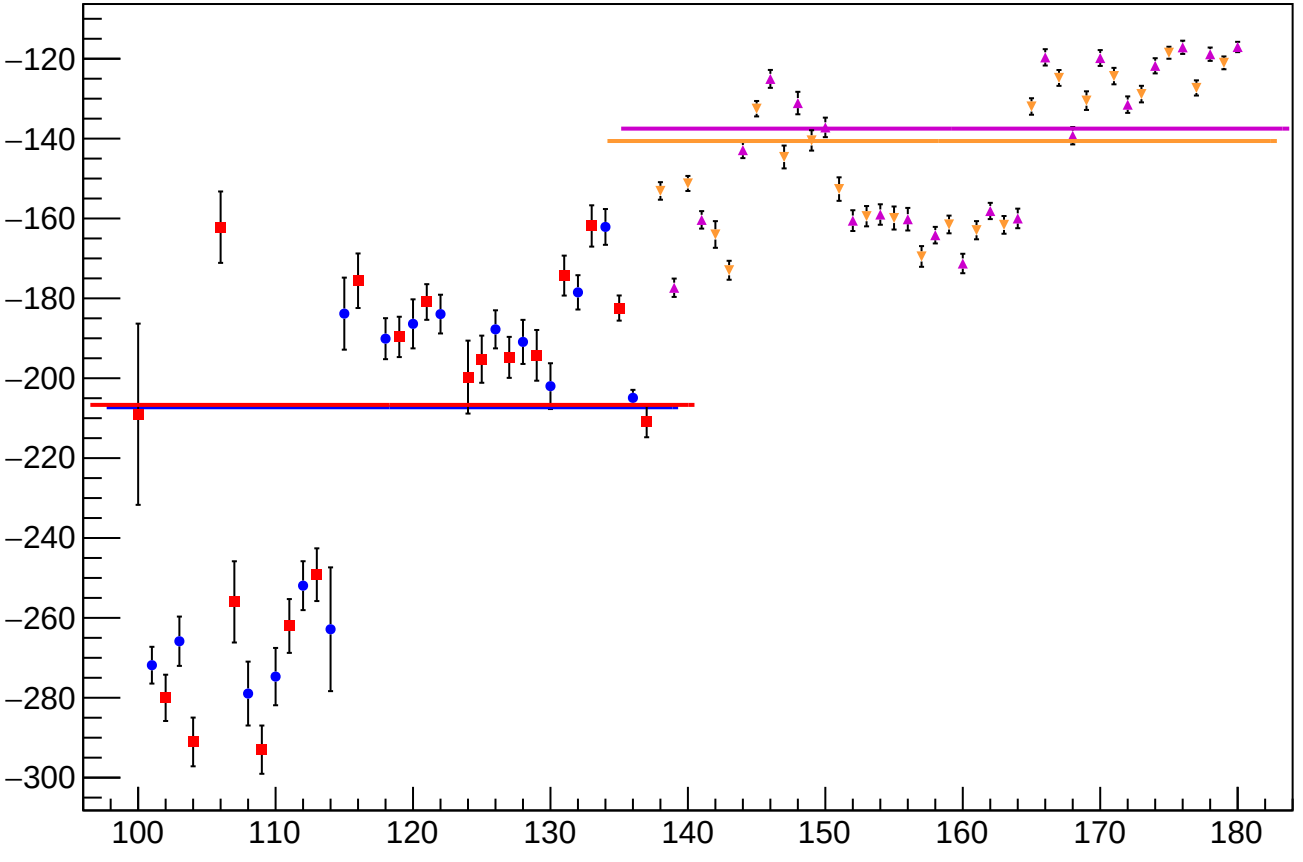
Left In: -28.675+/-0.351 χ^2/NDF:1460.3/20

+ sign -29.749+/-0.333 χ^2/NDF: 2619.5/37

All: -30.025+/-0.237 χ^2/NDF: 6122.9/77

- 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: -140.604+/-0.462 χ^2/NDF:1441.1/21

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

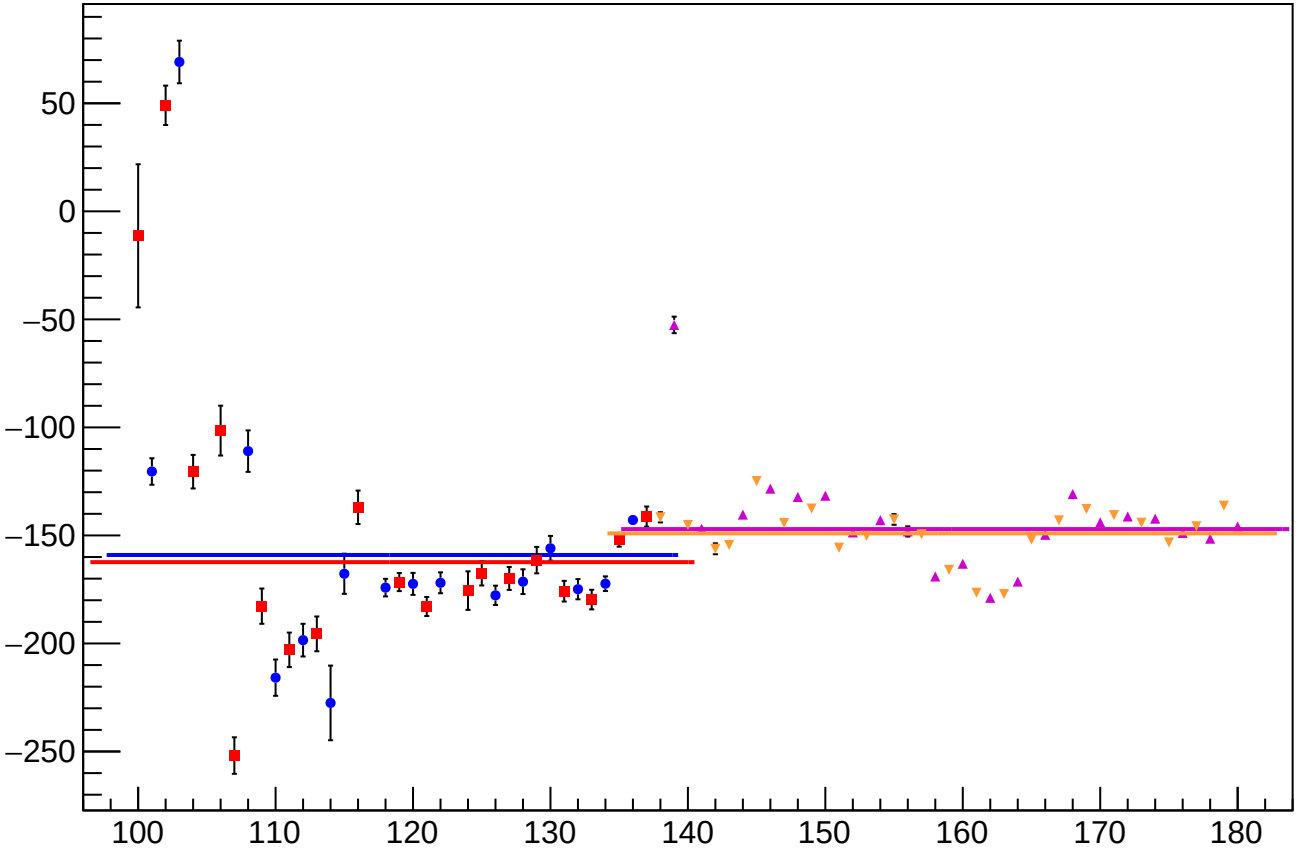
Left In: -137.501+/-0.451 χ^2/NDF:1971.0/20

+ sign -149.488+/-0.430 χ^2/NDF: 4963.6/37

All: -147.295+/-0.303 χ^2/NDF: 10555.0/77

- 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: -149.053+/-0.393 χ^2/NDF:1063.5/21

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

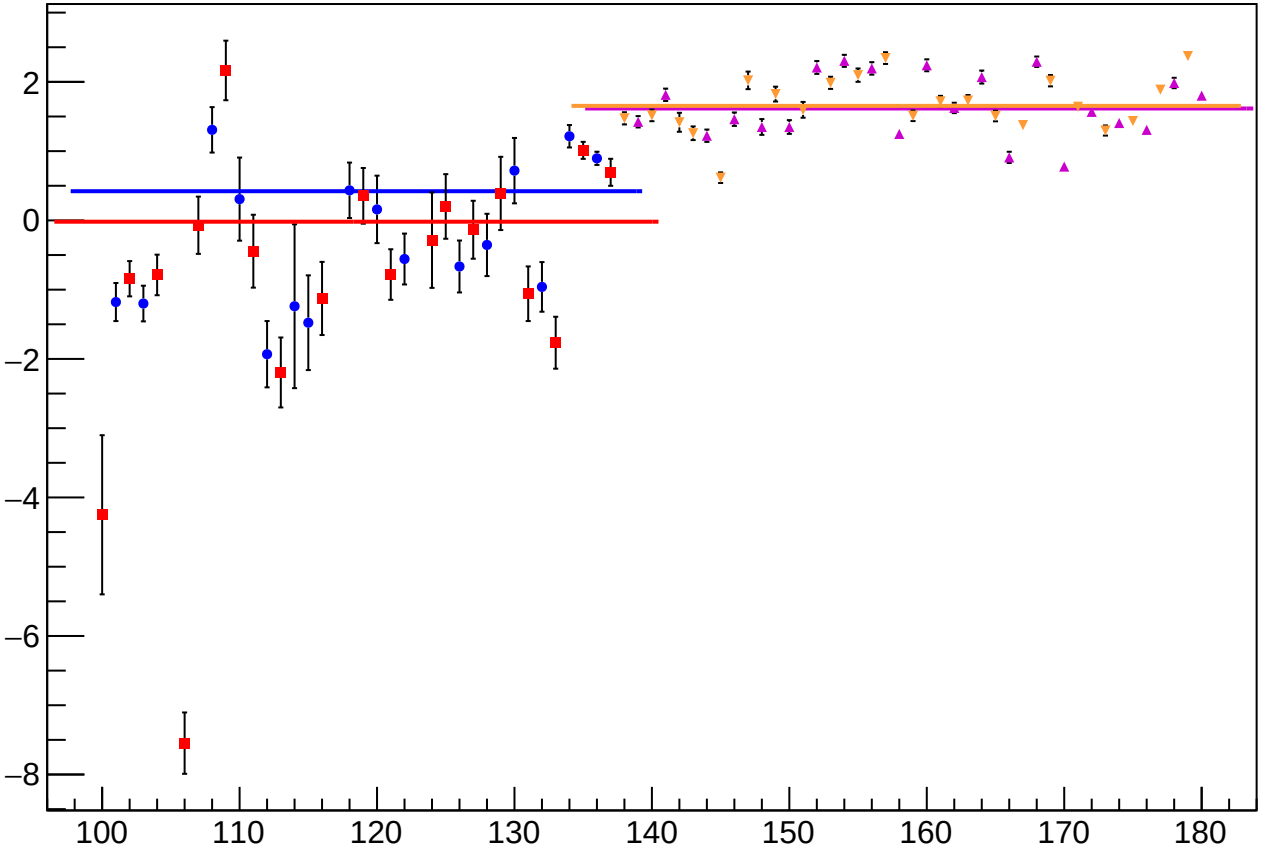
Left In: -147.066+/-0.392 χ^2/NDF:1721.1/20

+ sign -149.986+/-0.374 χ^2/NDF: 1939.5/37

All: -149.146+/-0.265 χ^2/NDF: 4666.1/77

- 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: 1.654+/-0.018 χ^2/NDF:512.8/21

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

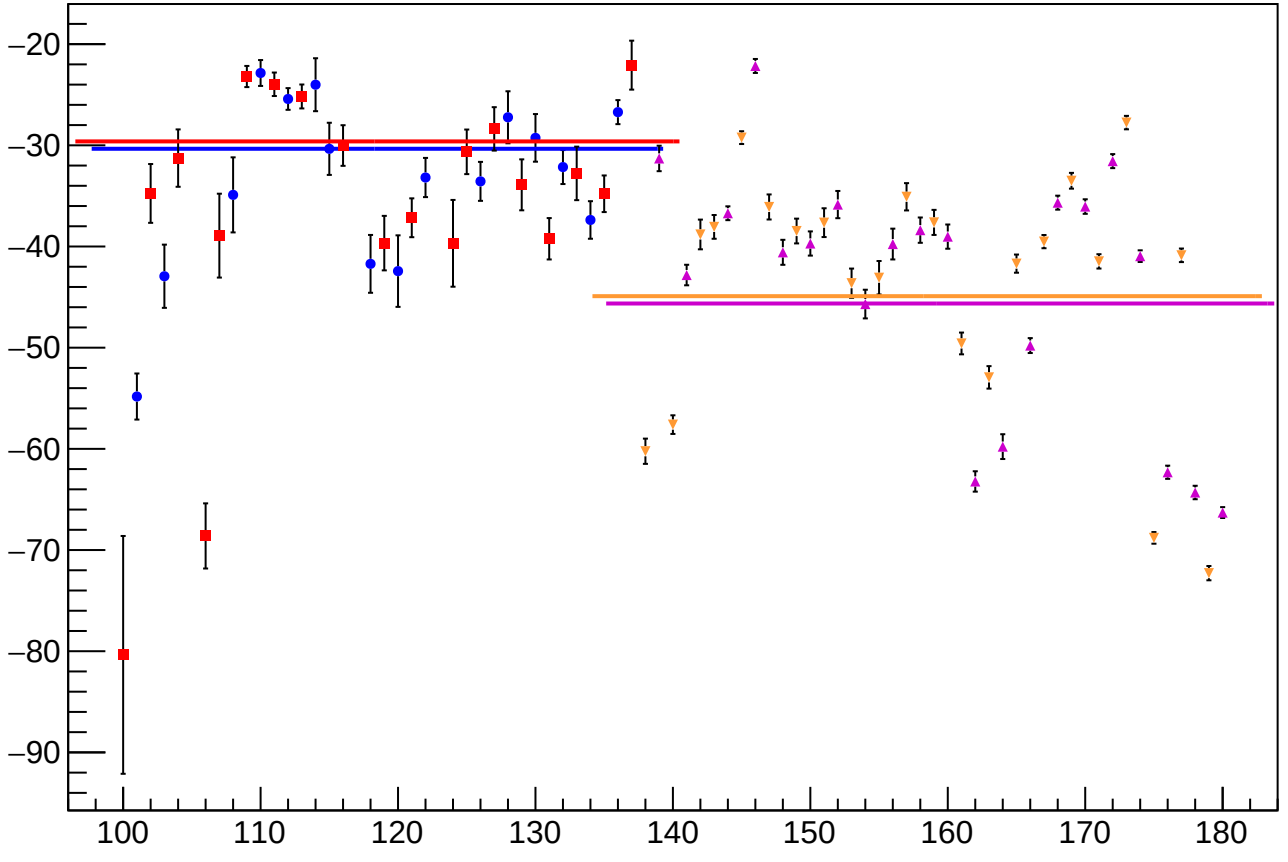
Left In: 1.616+/-0.017 χ^2/NDF:663.2/20

+ sign 1.568+/-0.017 χ^2/NDF: 1046.8/37

All: 1.547+/-0.012 χ^2/NDF: 2684.2/77

- 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: -44.909+/-0.190 χ^2/NDF:5512.6/21

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

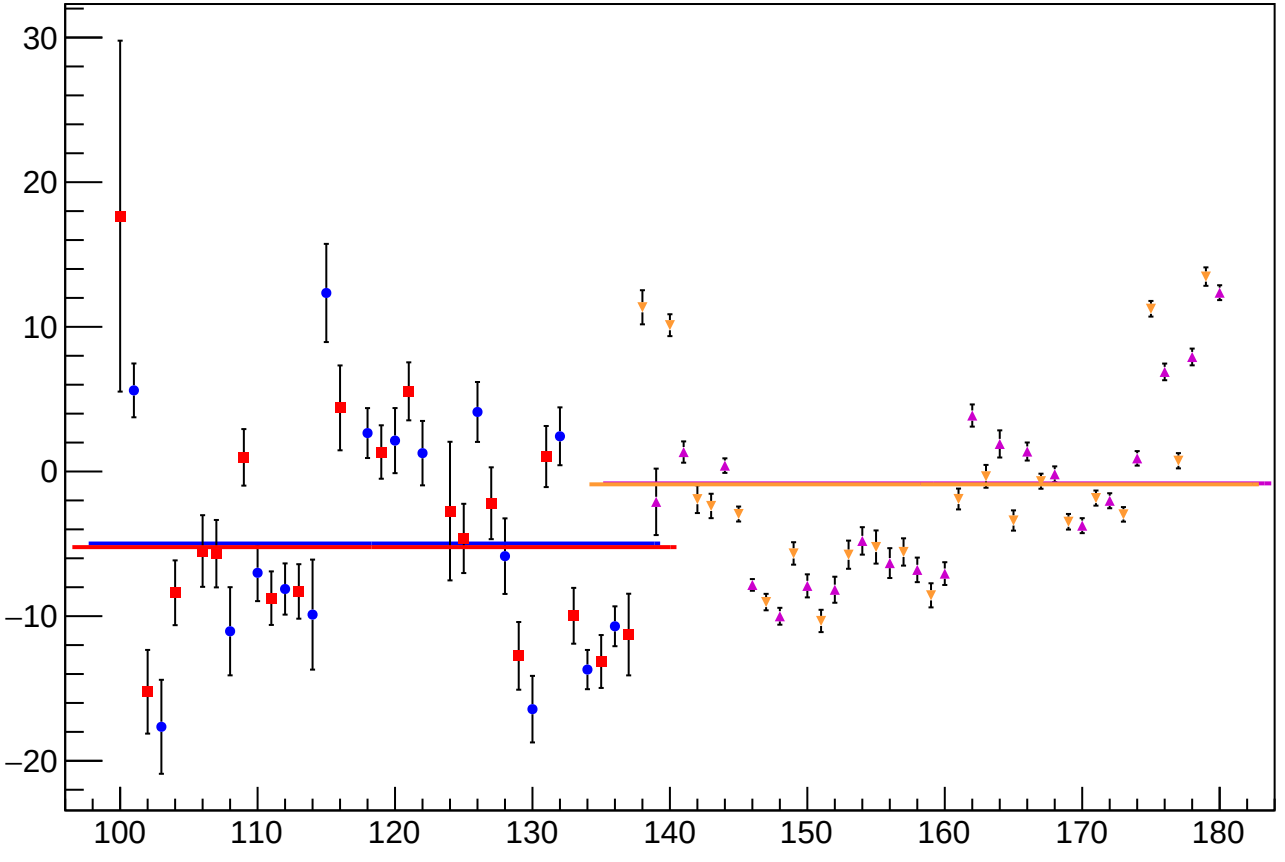
Left In: -45.634+/-0.180 χ^2/NDF:5889.7/20

+ sign -42.850+/-0.176 χ^2/NDF: 6598.7/37

All: -43.148+/-0.121 χ^2/NDF: 13913.1/77

- 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: -0.887+/-0.142 χ^2/NDF:1957.3/21

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

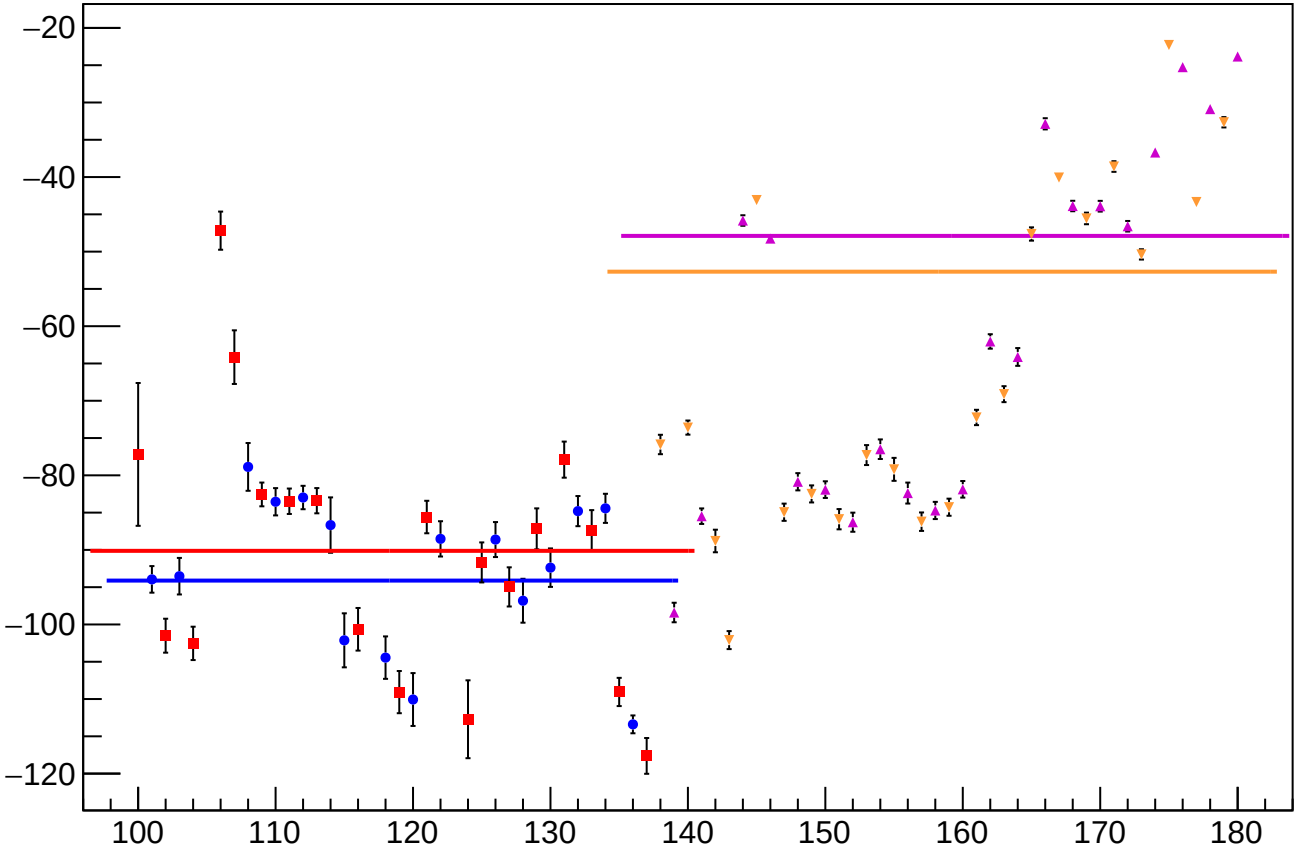
Left In: -0.822+/-0.138 χ^2/NDF:2041.3/20

+ sign -1.184+/-0.137 χ^2/NDF: 2254.4/37

All: -1.144+/-0.096 χ^2/NDF: 4498.6/77

- 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: -52.688+/-0.189 χ^2/NDF:12723.3/21

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

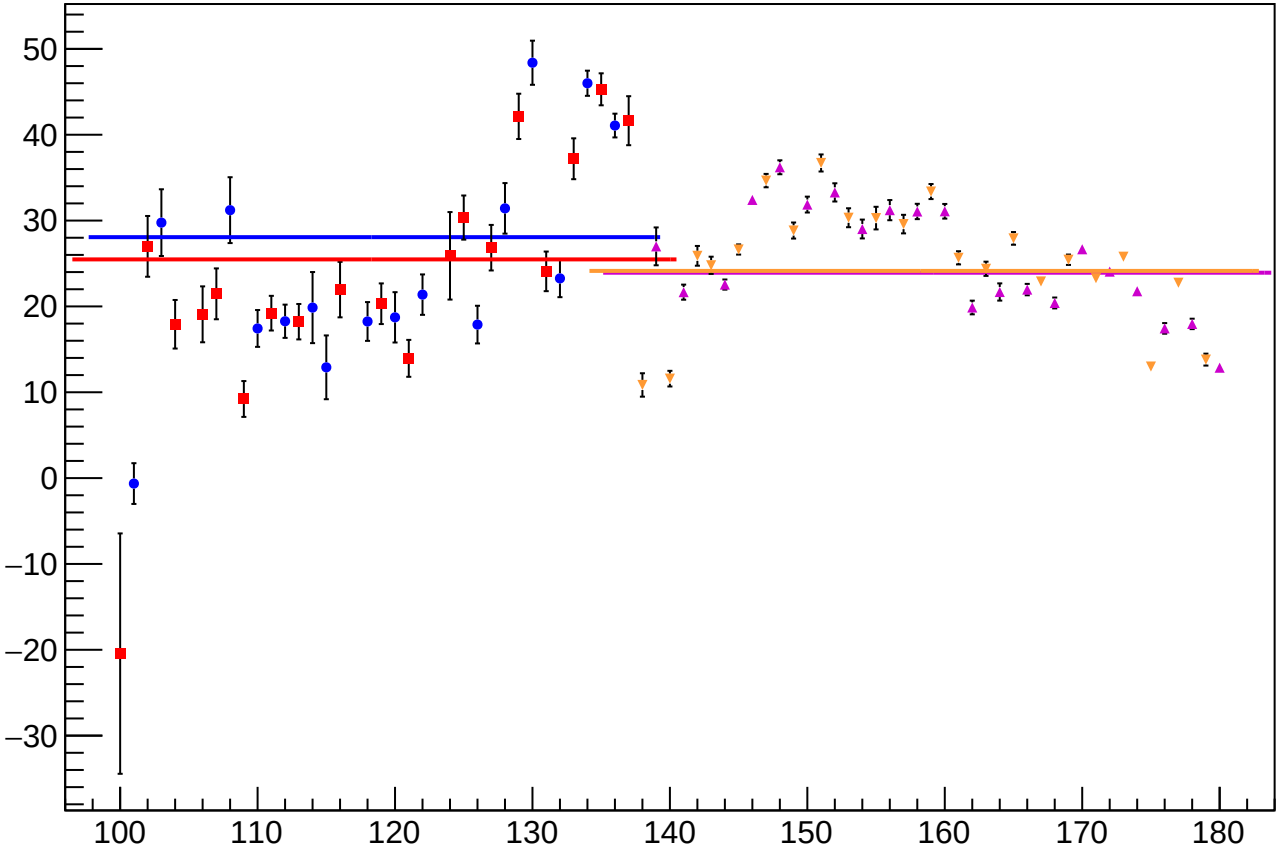
Left In: -47.890+/-0.180 χ^2/NDF:13583.7/20

+ sign -57.255+/-0.178 χ^2/NDF: 18485.0/37

All: -54.552+/-0.123 χ^2/NDF: 38751.2/77

- 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: 24.137+/-0.160 χ^2/NDF:1525.3/21

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

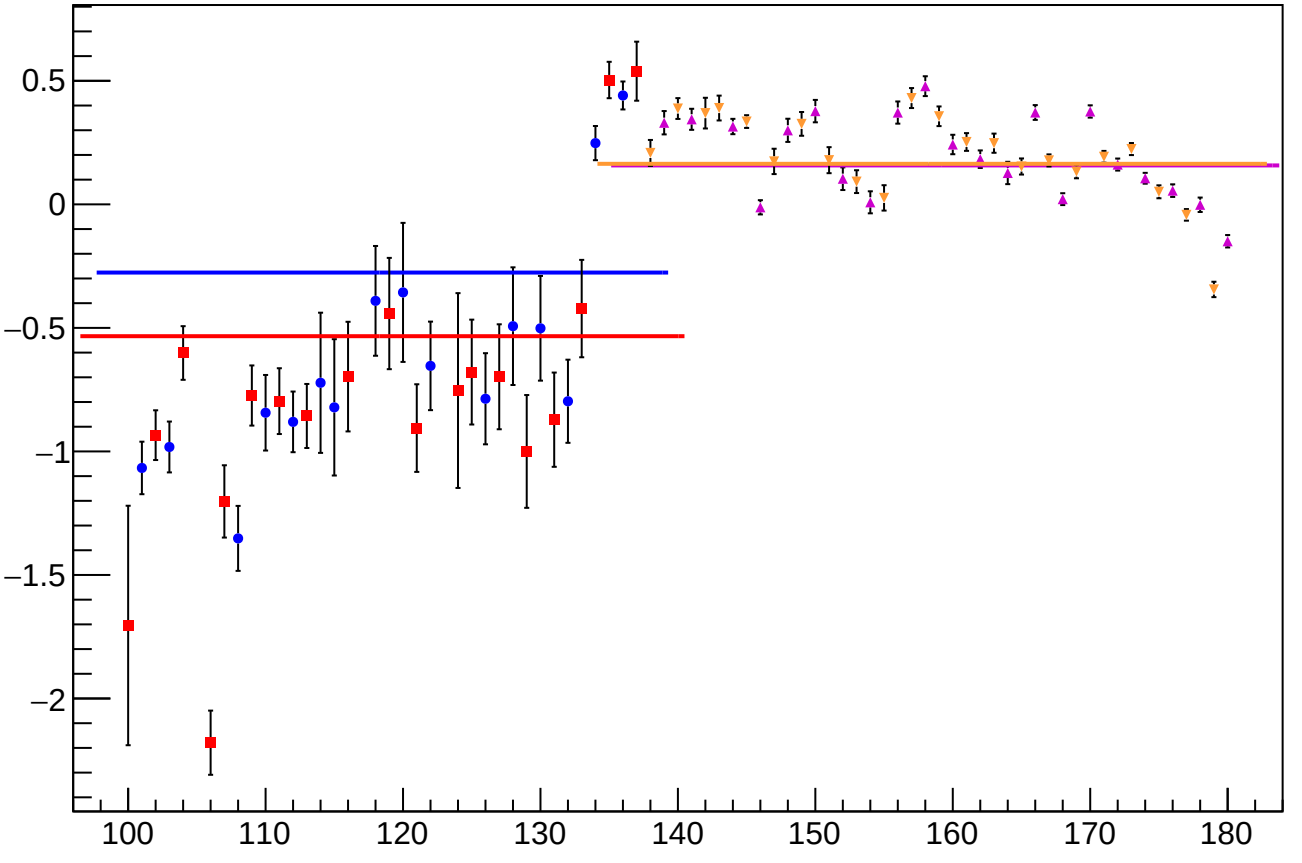
Left In: 23.926+/-0.155 χ^2/NDF:1594.5/20

+ sign 24.425+/-0.154 χ^2/NDF: 2152.6/37

All: 24.220+/-0.107 χ^2/NDF: 4111.7/77

- 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: 0.164+/-0.007 χ^2/NDF:574.3/21

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

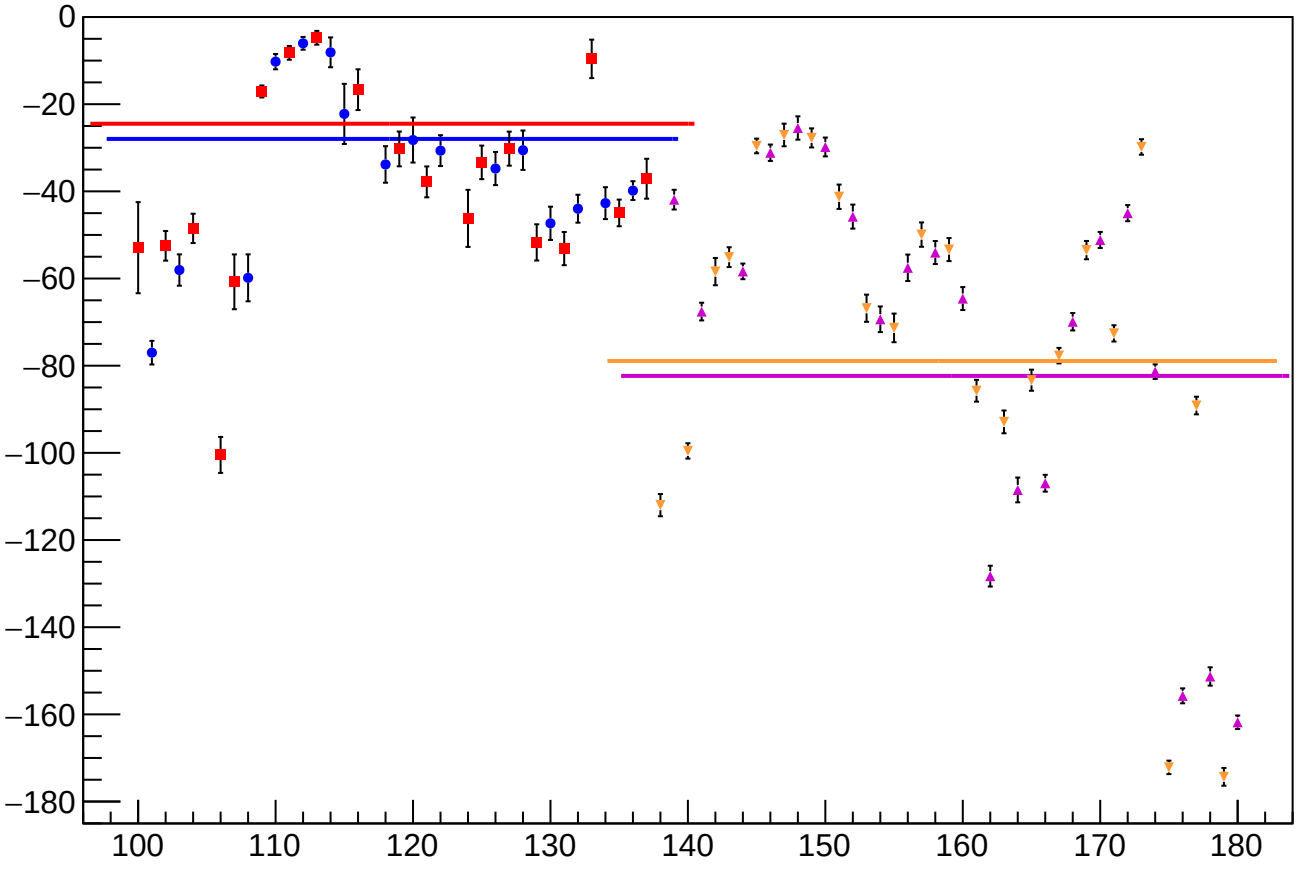
Left In: 0.158+/-0.007 χ^2/NDF:591.0/20

+ sign 0.141+/-0.007 χ^2/NDF: 1225.5/37

All: 0.134+/-0.005 χ^2/NDF: 2752.4/77

- 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: -78.914+/-0.466 χ^2/NDF:9486.2/21

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

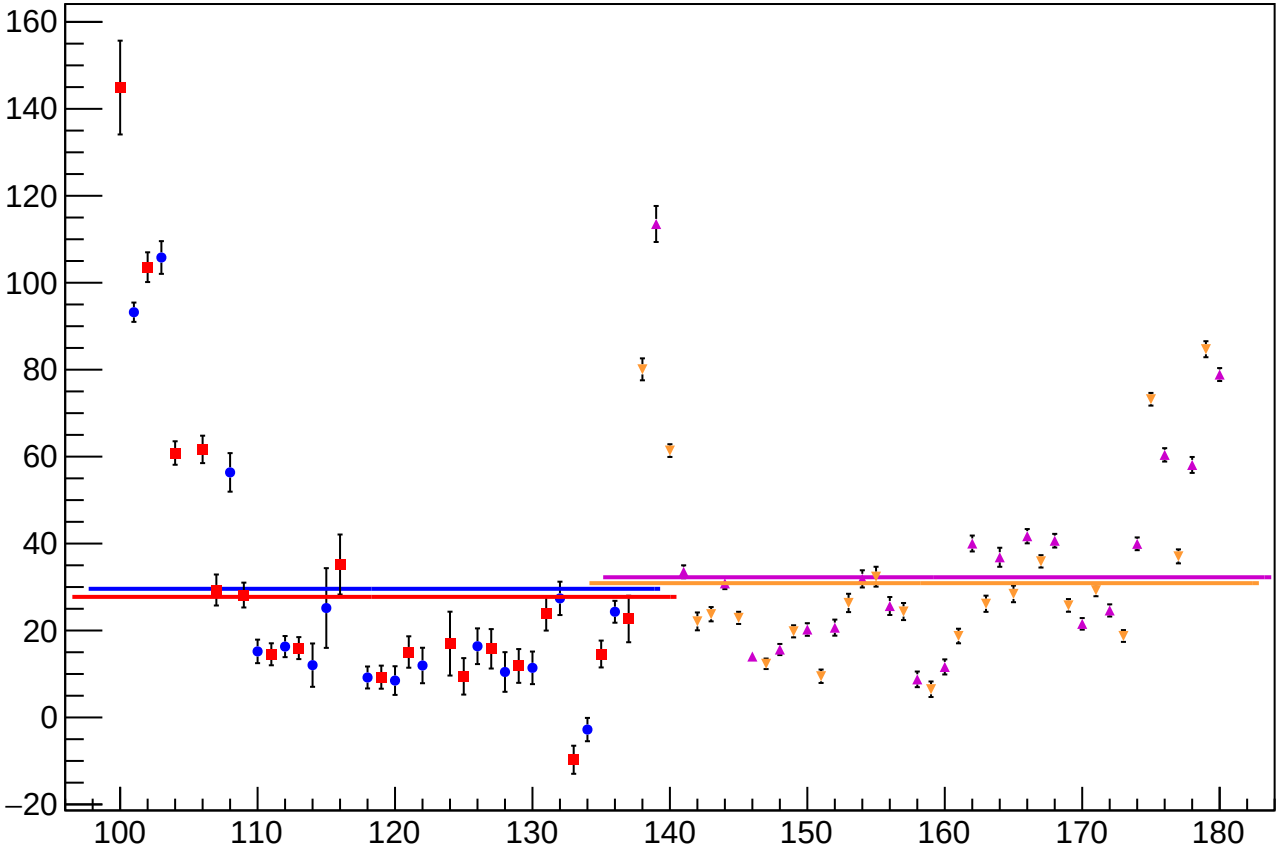
Left In: -82.343+/-0.458 χ^2/NDF:9650.1/20

+ sign -64.087+/-0.393 χ^2/NDF: 13857.0/37

All: -63.865+/-0.272 χ^2/NDF: 29656.0/77

- 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: 30.893+/-0.344 χ^2/NDF:3448.6/21

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

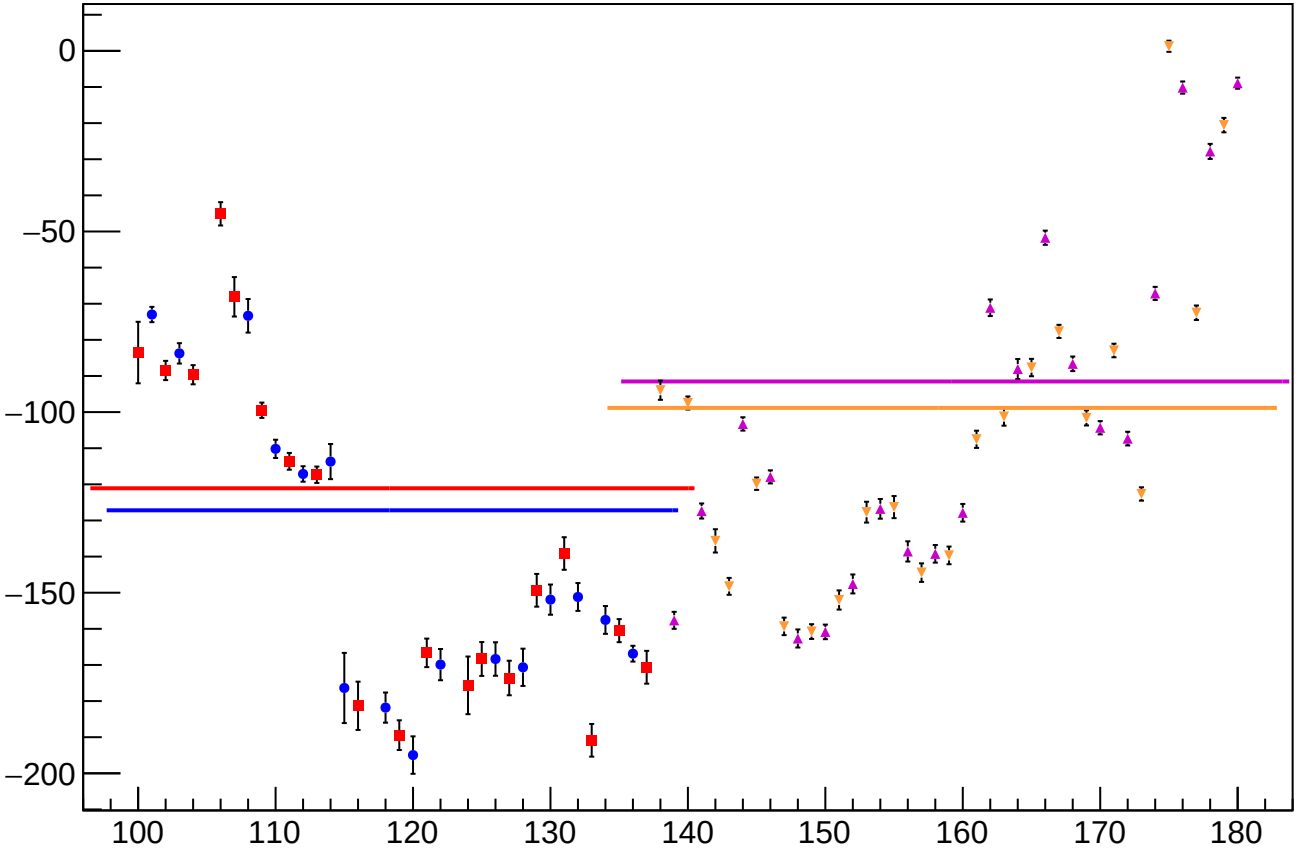
Left In: 32.252+/-0.346 χ^2/NDF:2954.1/20

+ sign 30.693+/-0.317 χ^2/NDF: 5116.5/37

All: 31.113+/-0.224 χ^2/NDF: 9286.3/77

- 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: -98.833+/-0.462 χ^2/NDF:9756.4/21

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

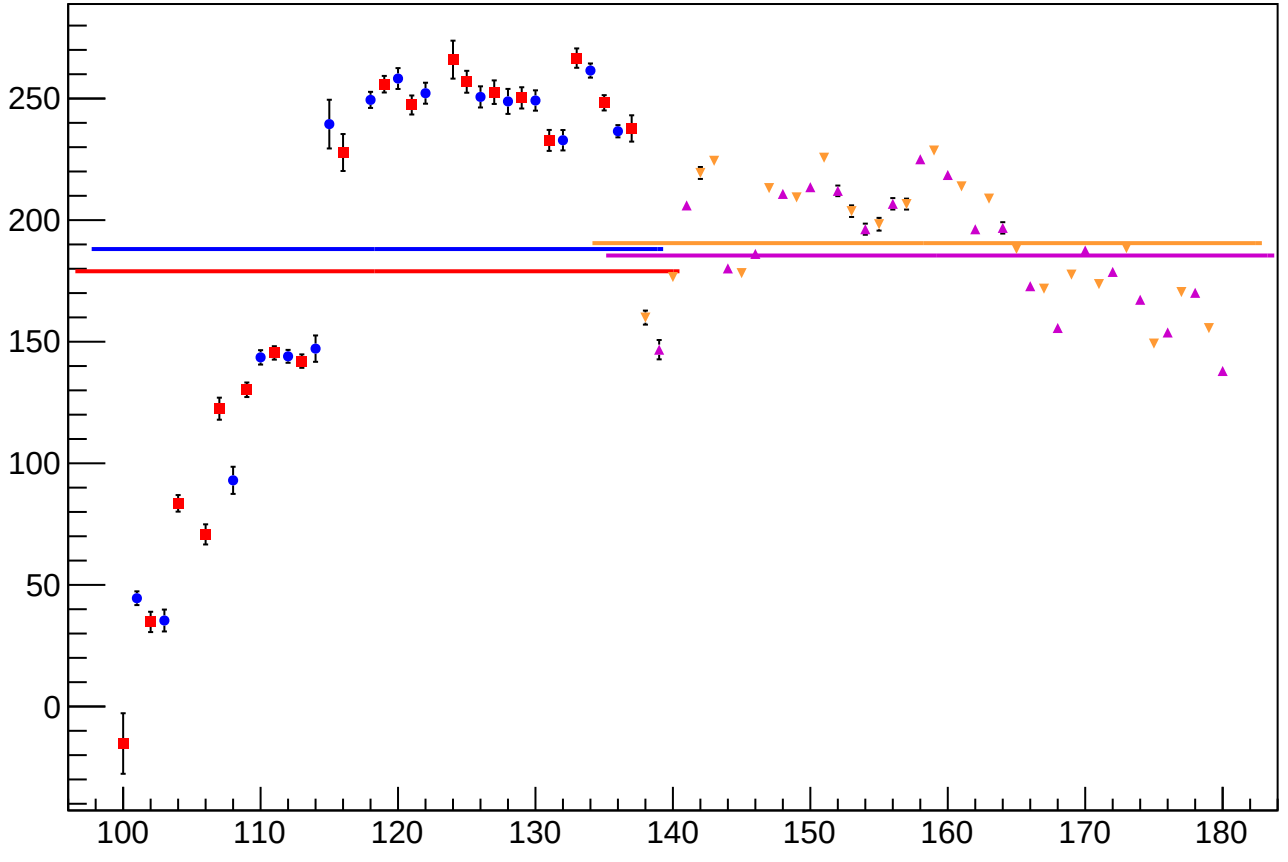
Left In: -91.521+/-0.454 χ^2/NDF:11753.7/20

+ sign -105.550+/-0.404 χ^2/NDF: 12826.7/37

All: -102.071+/-0.282 χ^2/NDF: 28160.9/77

- 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: 190.539+/-0.391 χ^2/NDF:3565.4/21

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

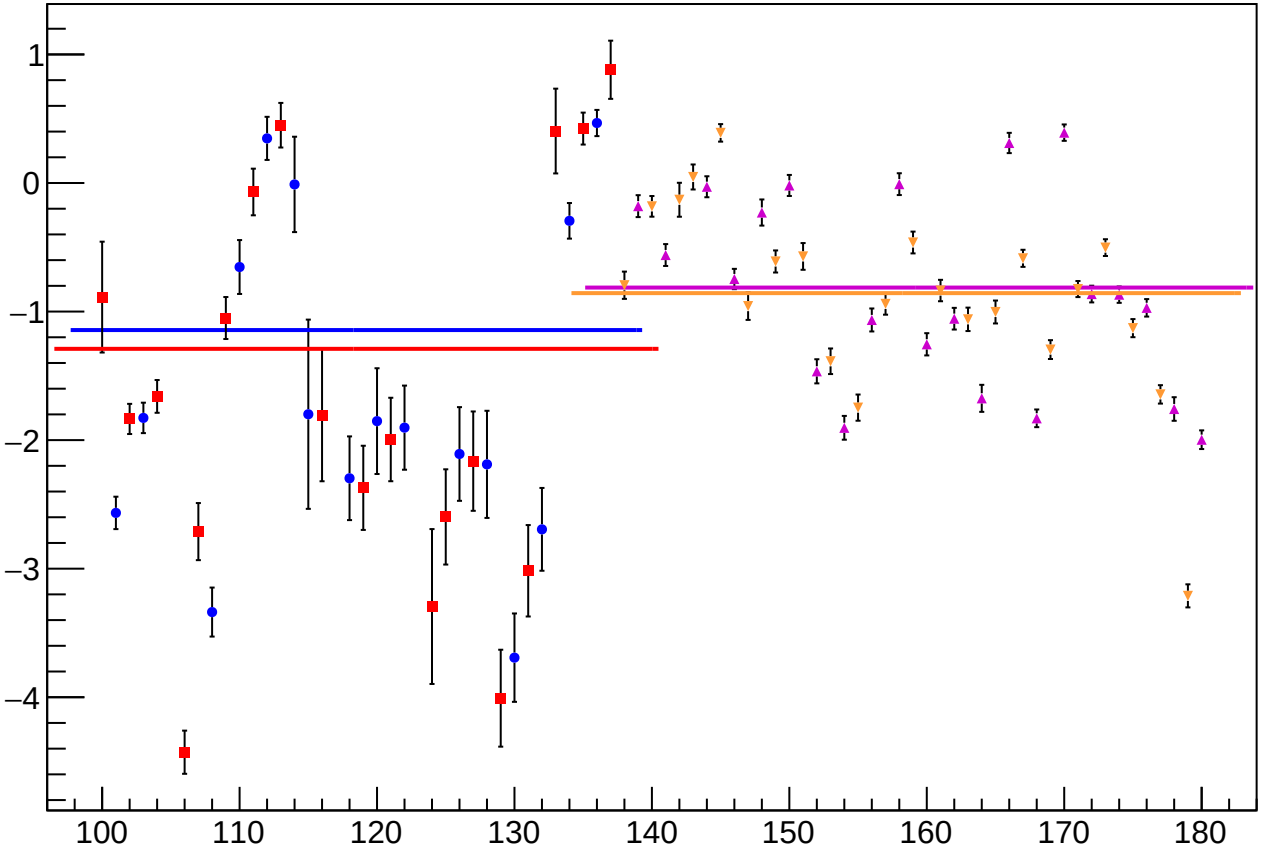
Left In: 185.451+/-0.390 χ^2/NDF:3598.5/20

+ sign 190.166+/-0.359 χ^2/NDF: 10690.0/37

All: 187.297+/-0.254 χ^2/NDF: 21127.4/77

- 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: -0.857+/-0.018 χ^2/NDF:1580.4/21

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

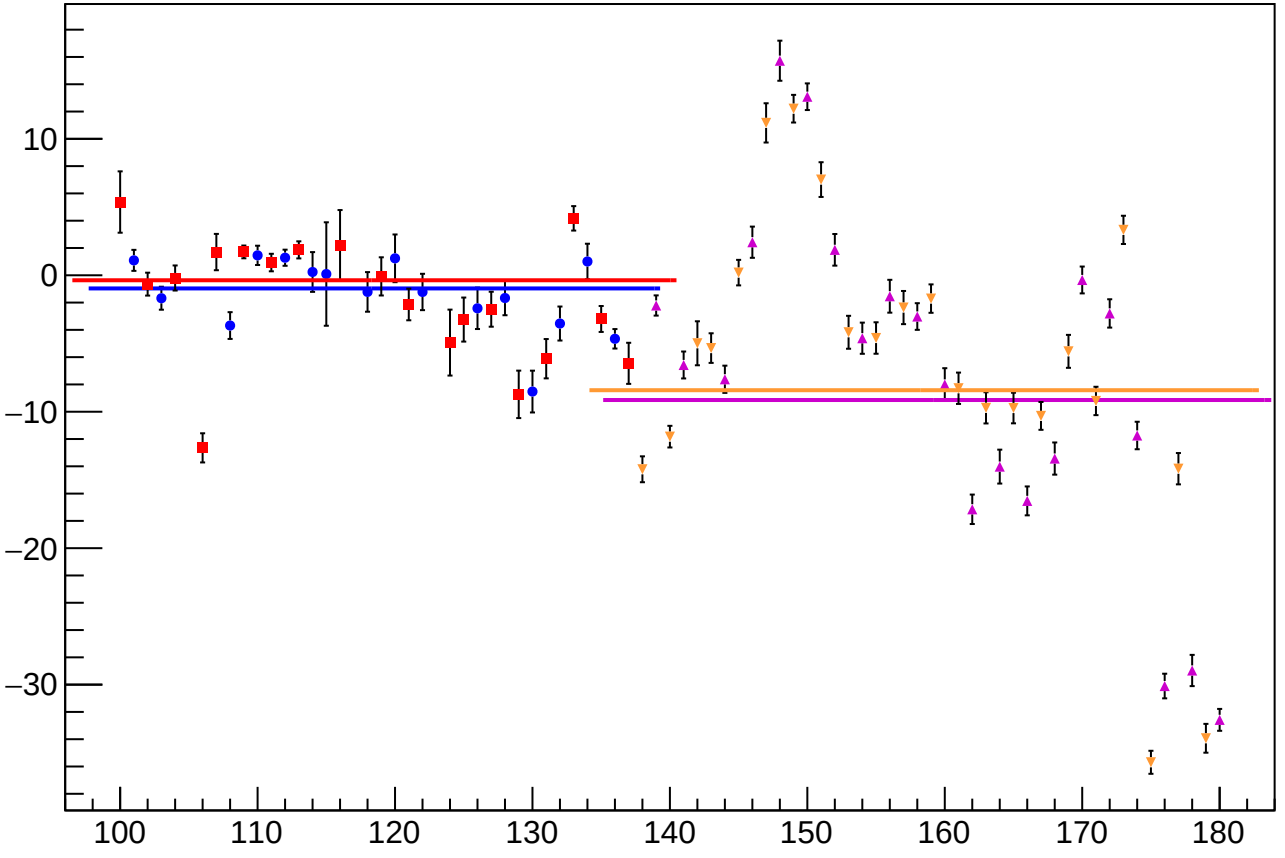
Left In: -0.813+/-0.017 χ^2/NDF:1828.8/20

+ sign -0.891+/-0.017 χ^2/NDF: 2399.3/37

All: -0.880+/-0.012 χ^2/NDF: 5316.1/77

- 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: -8.423+/-0.229 χ^2/NDF:2785.1/21

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

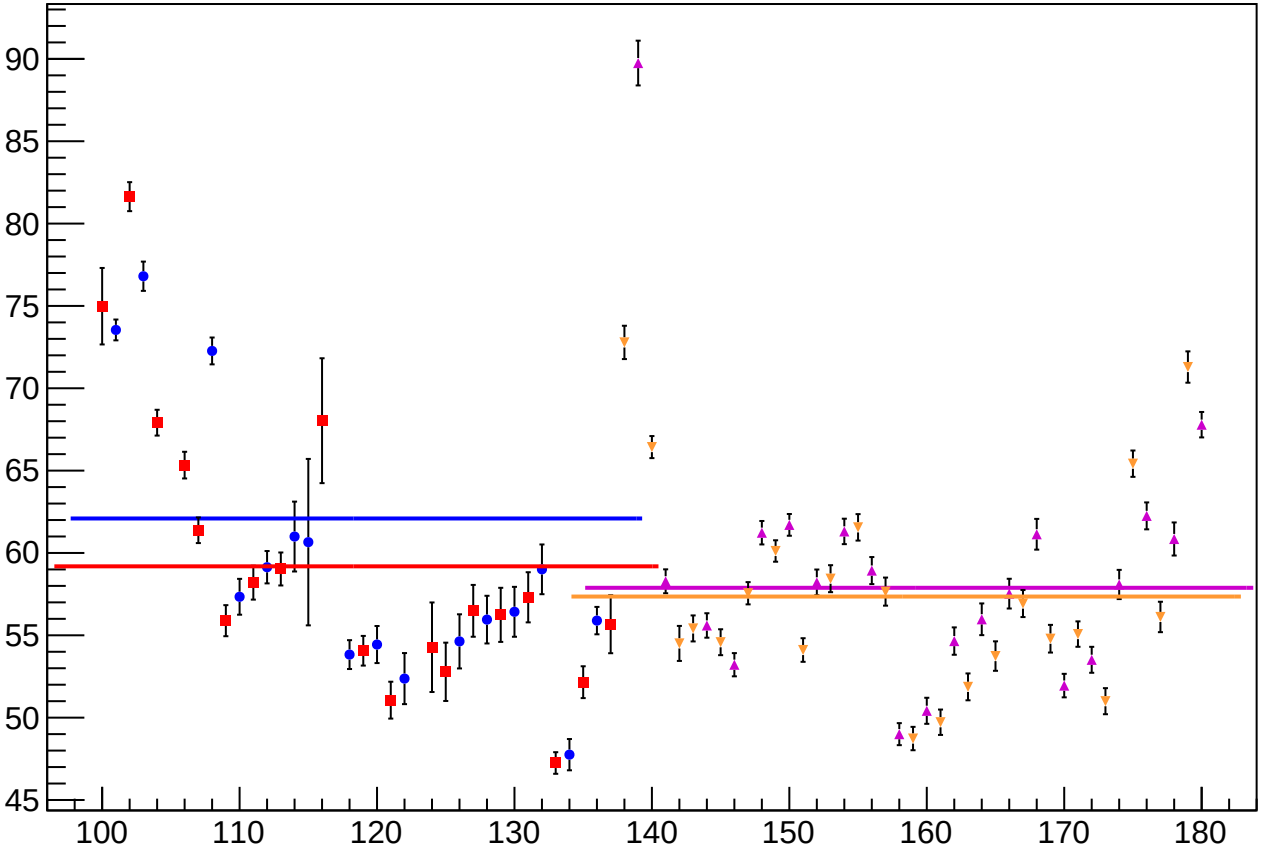
Left In: -9.142+/-0.225 χ^2/NDF:3138.5/20

+ sign -5.067+/-0.170 χ^2/NDF: 3365.7/37

All: -4.883+/-0.116 χ^2/NDF: 7550.8/77

- 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: 57.353+/-0.170 χ^2/NDF:1217.7/21

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

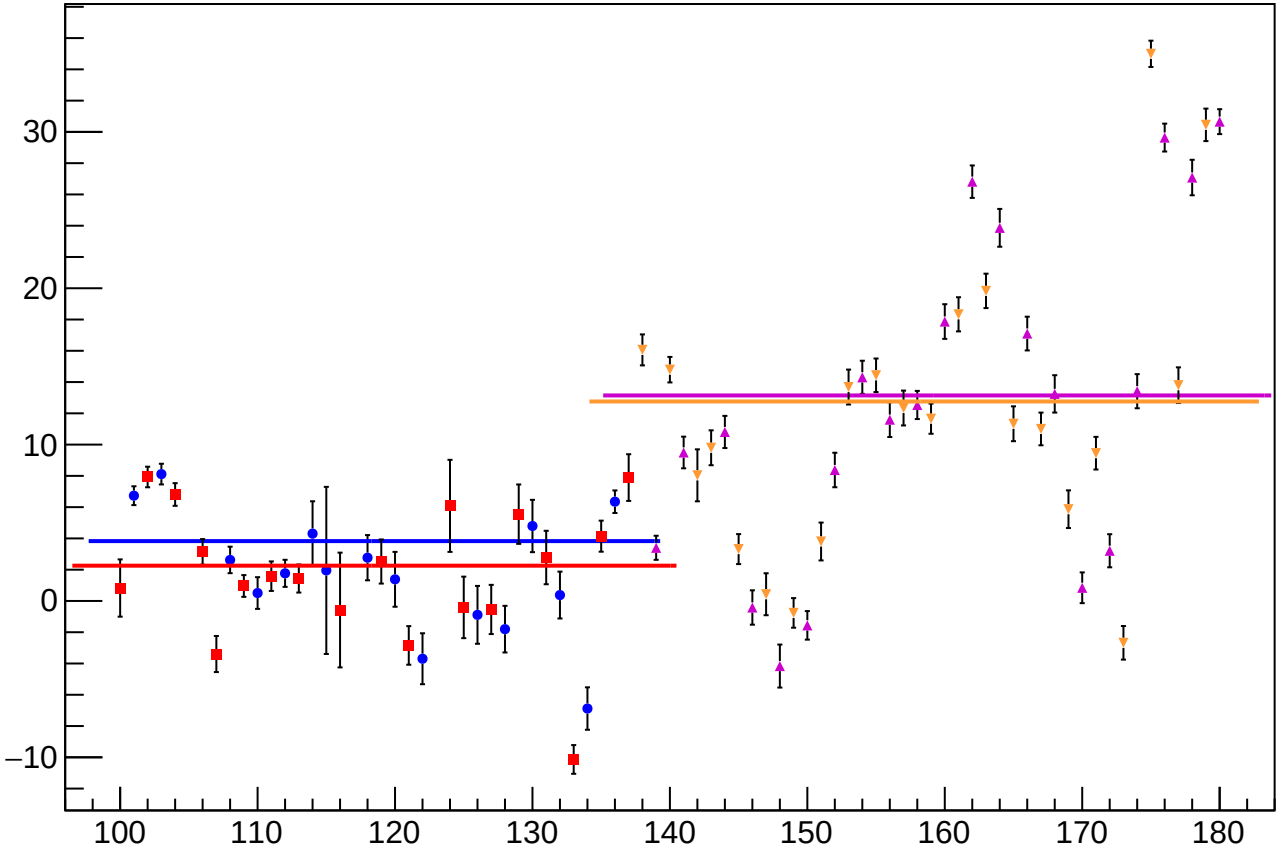
Left In: 57.885+/-0.174 χ^2/NDF:1279.1/20

+ sign 58.731+/-0.143 χ^2/NDF: 2745.3/37

All: 58.525+/-0.101 χ^2/NDF: 5449.6/77

- 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: 12.758+/-0.226 χ^2/NDF:1788.3/21

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

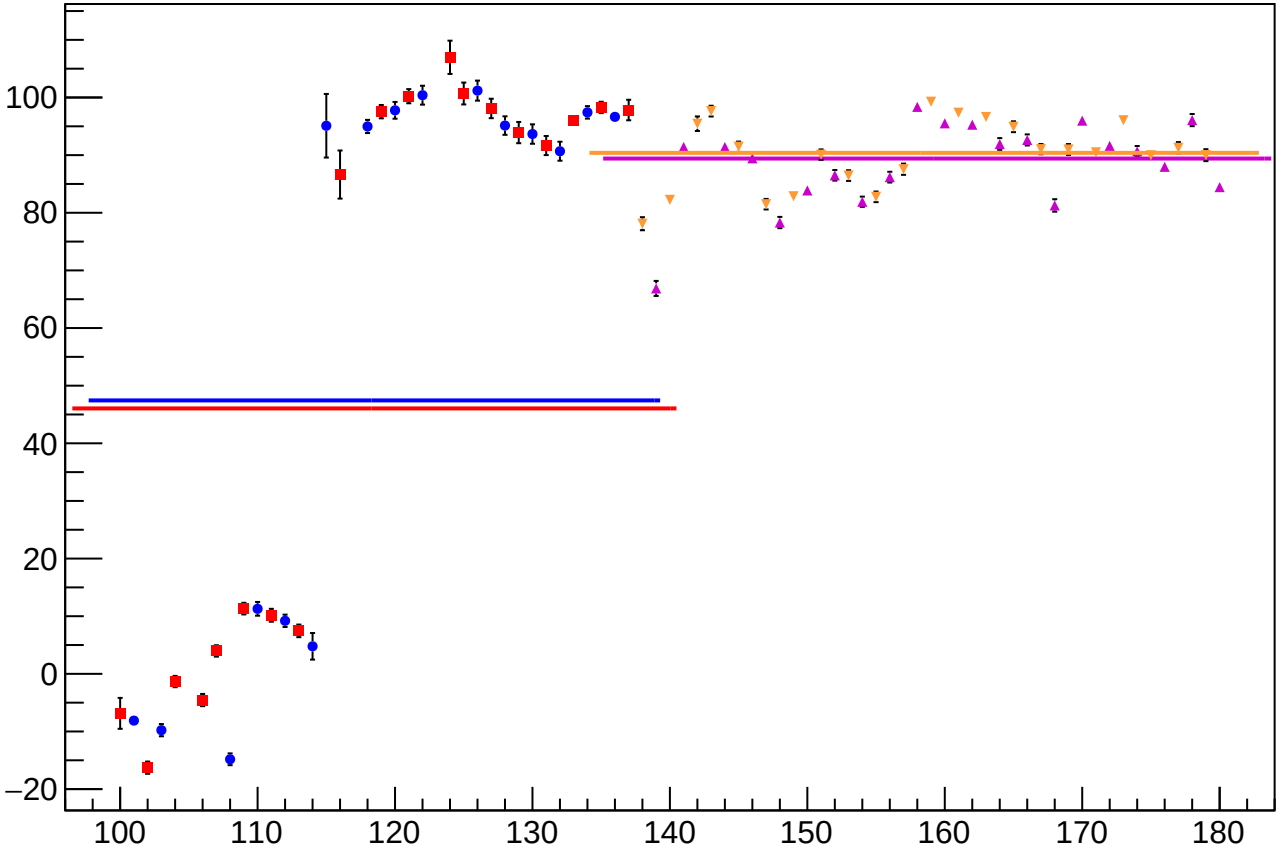
Left In: 13.144+/-0.222 χ^2/NDF:2274.5/20

\+ sign 9.009+/-0.172 χ^2/NDF: 2654.3/37

All: 8.622+/-0.119 χ^2/NDF: 6387.6/77

\- 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: 90.398+/-0.192 χ^2/NDF:918.5/21

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

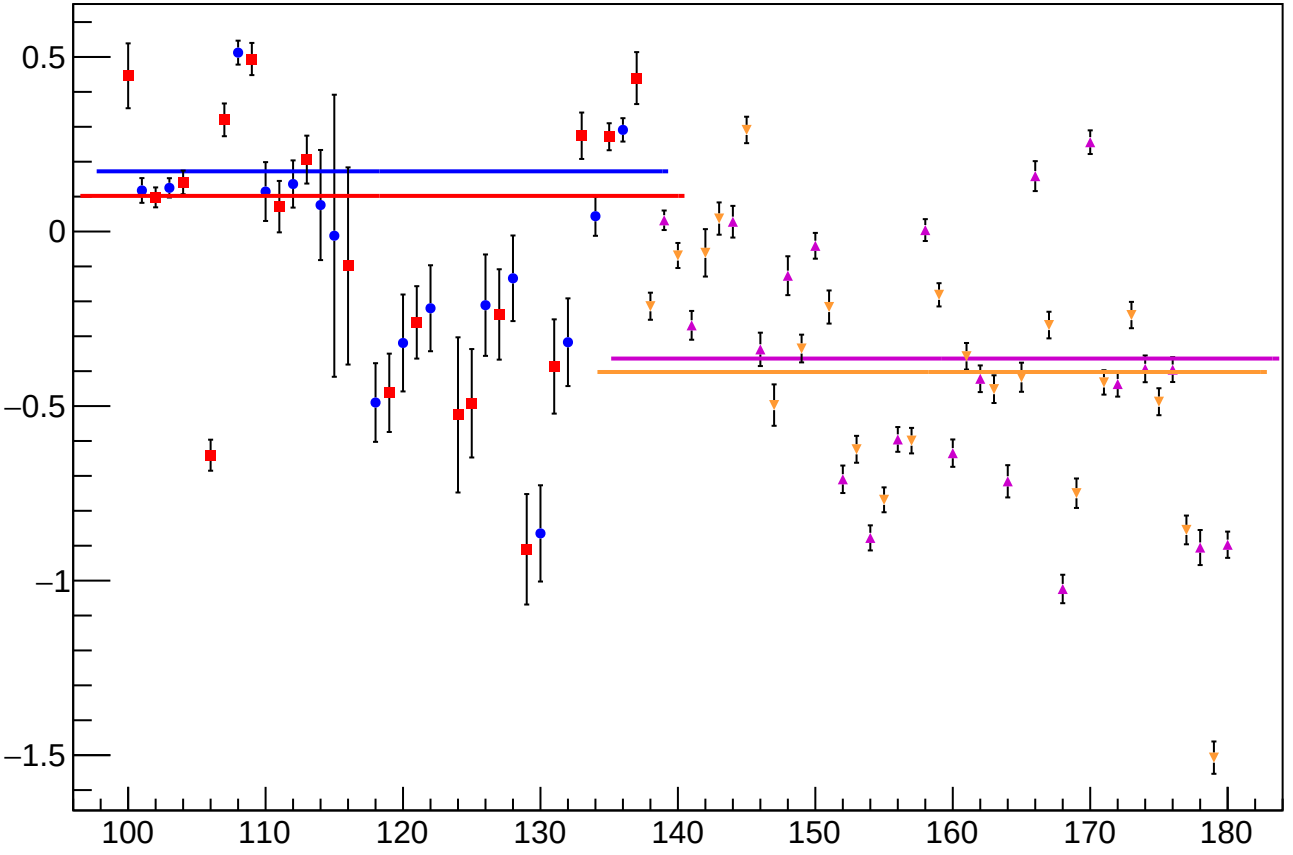
Left In: 89.407+/-0.194 χ^2/NDF:1078.3/20

+ sign 78.368+/-0.163 χ^2/NDF: 41802.8/37

All: 76.966+/-0.114 χ^2/NDF: 87762.4/77

- 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: -0.402+/-0.009 χ^2/NDF:1590.6/21

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

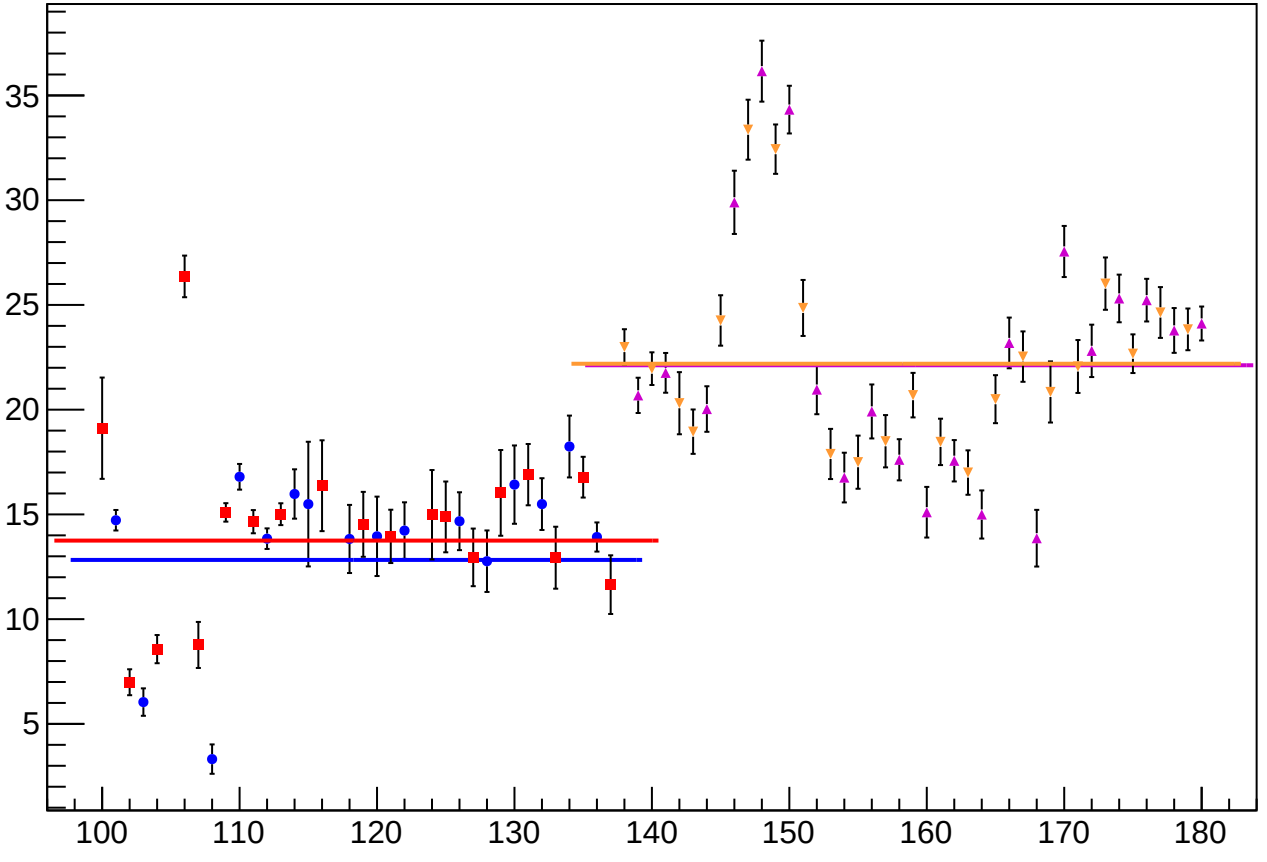
Left In: -0.364+/-0.008 χ^2/NDF:2013.3/20

+ sign -0.249+/-0.007 χ^2/NDF: 3064.6/37

All: -0.241+/-0.005 χ^2/NDF: 6503.2/77

- 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: 22.192+/-0.239 χ^2/NDF:247.7/21

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

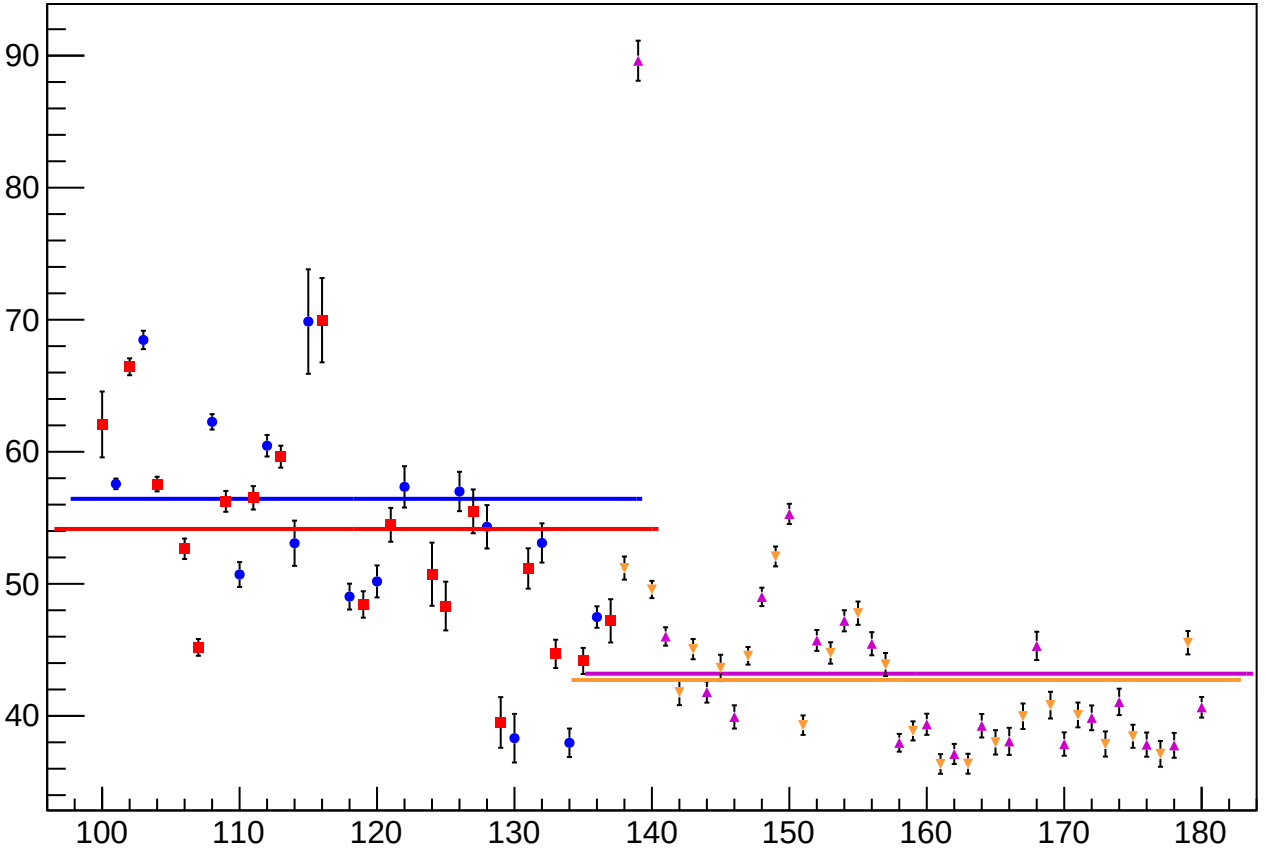
Left In: 22.120+/-0.241 χ^2/NDF:463.9/20

\+ sign 16.986+/-0.160 χ^2/NDF: 1485.7/37

All: 17.122+/-0.111 χ^2/NDF: 3058.4/77

\- 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: 42.722+/-0.177 χ^2/NDF:750.1/21

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

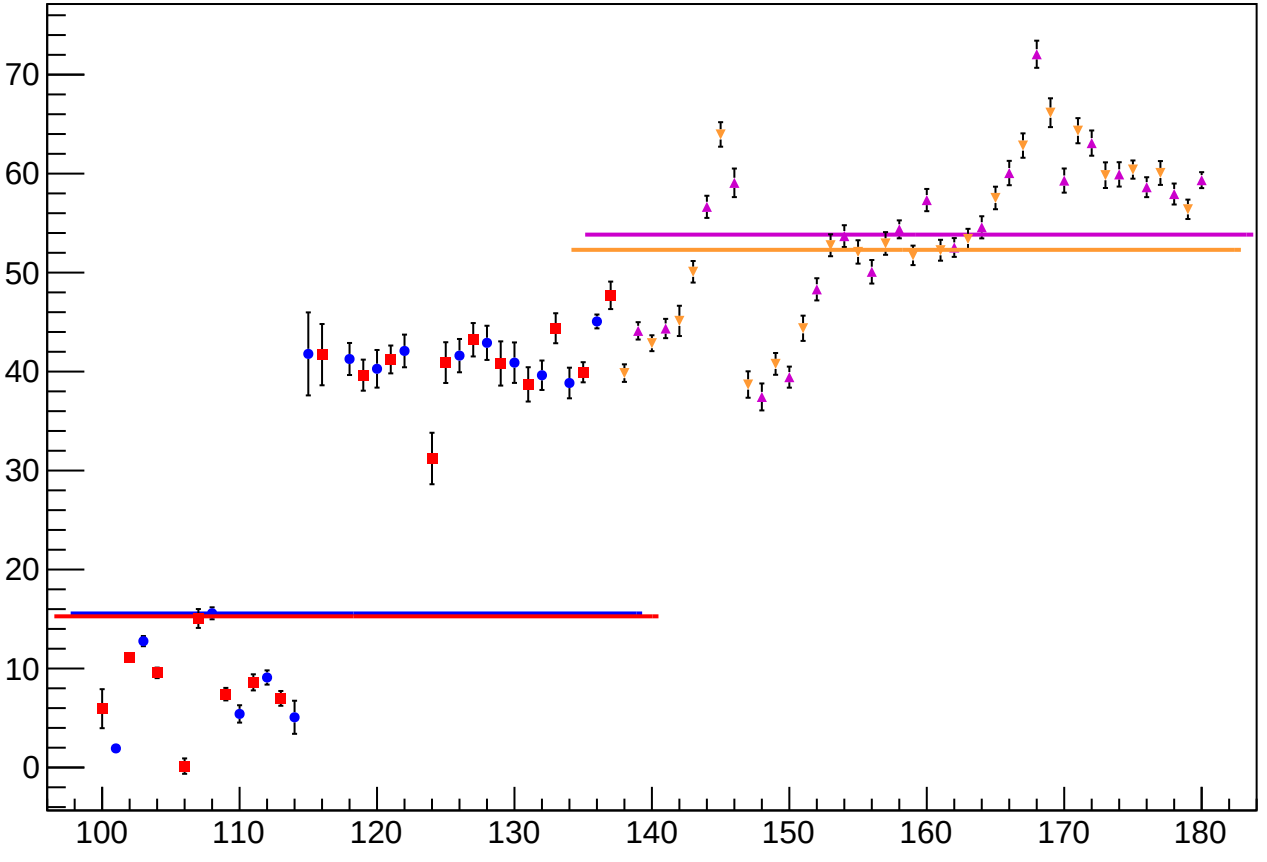
Left In: 43.197+/-0.184 χ^2/NDF:1658.4/20

+ sign 48.055+/-0.138 χ^2/NDF: 4175.0/37

All: 47.834+/-0.099 χ^2/NDF: 8270.5/77

- 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: 52.300+/-0.236 χ^2/NDF:1149.1/21

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

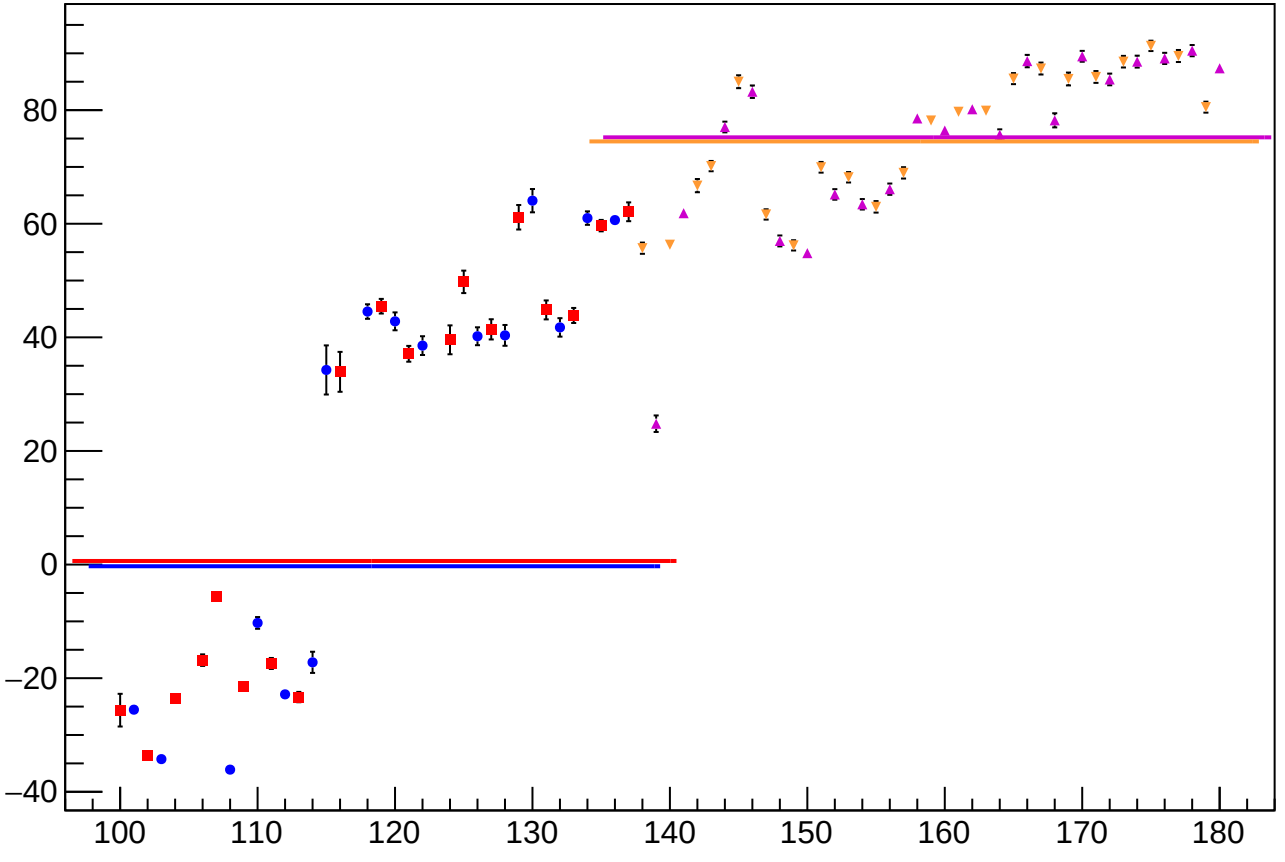
Left In: 53.836+/-0.237 χ^2/NDF:995.6/20

+ sign 32.140+/-0.159 χ^2/NDF: 19626.7/37

All: 32.603+/-0.113 χ^2/NDF: 38813.1/77

- 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: 74.492+/-0.201 χ^2/NDF:3264.6/21

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

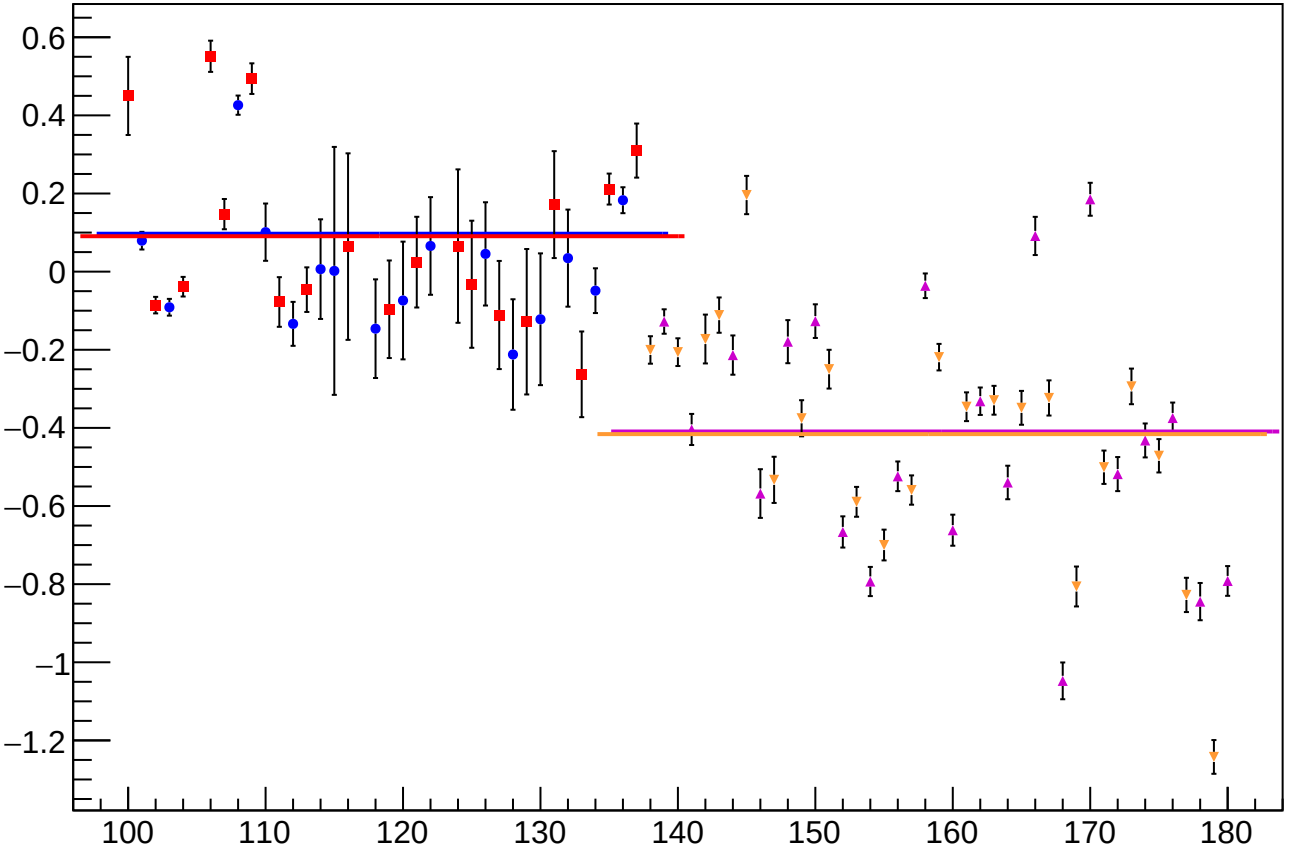
Left In: 75.209+/-0.206 χ^2/NDF:4130.1/20

+ sign 46.741+/-0.159 χ^2/NDF: 75778.7/37

All: 46.849+/-0.114 χ^2/NDF: 145655.0/77

- 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: -0.416+/-0.009 χ^2/NDF:966.6/21

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

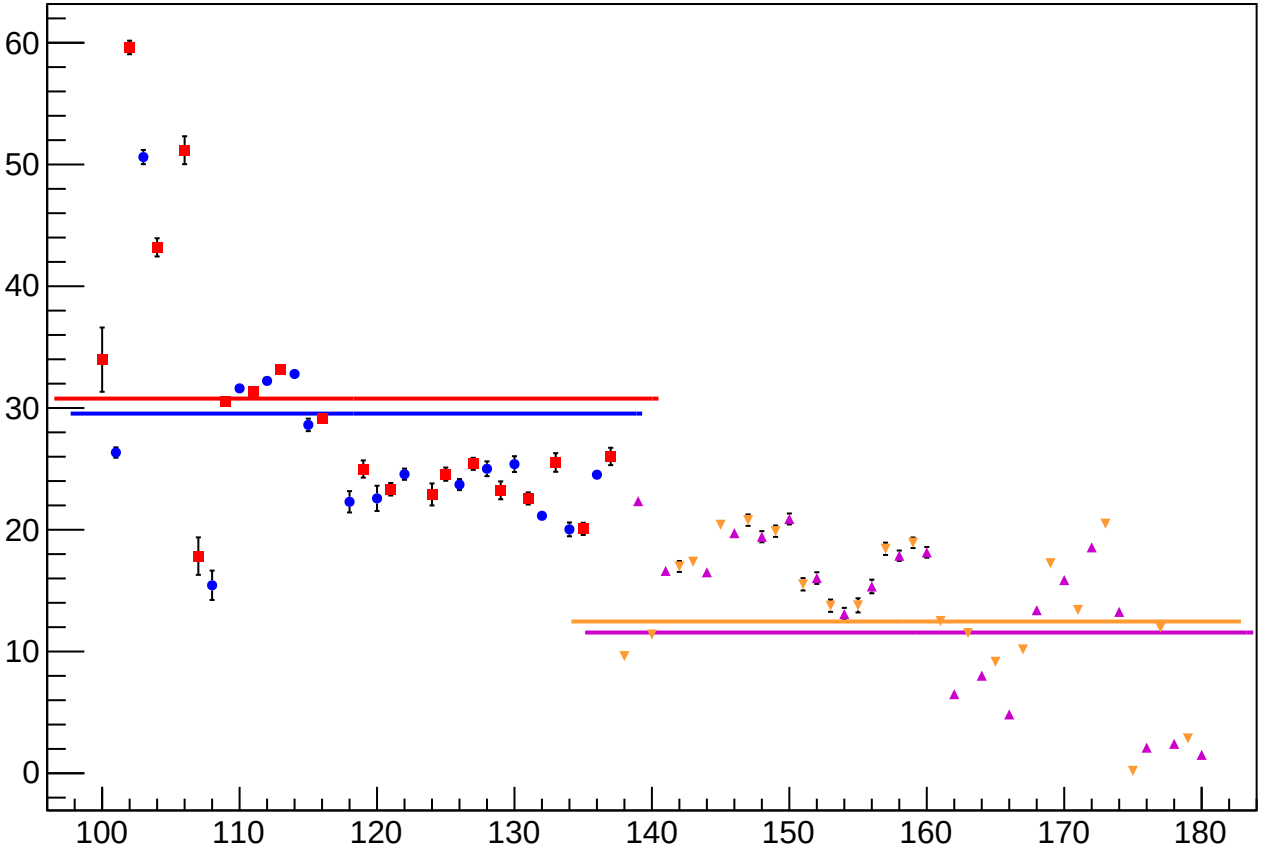
Left In: -0.409+/-0.009 χ^2/NDF:1192.9/20

+ sign -0.215+/-0.007 χ^2/NDF: 2537.7/37

All: -0.217+/-0.005 χ^2/NDF: 5319.5/77

- 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: 12.465+/-0.074 χ^2/NDF:7203.6/21

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

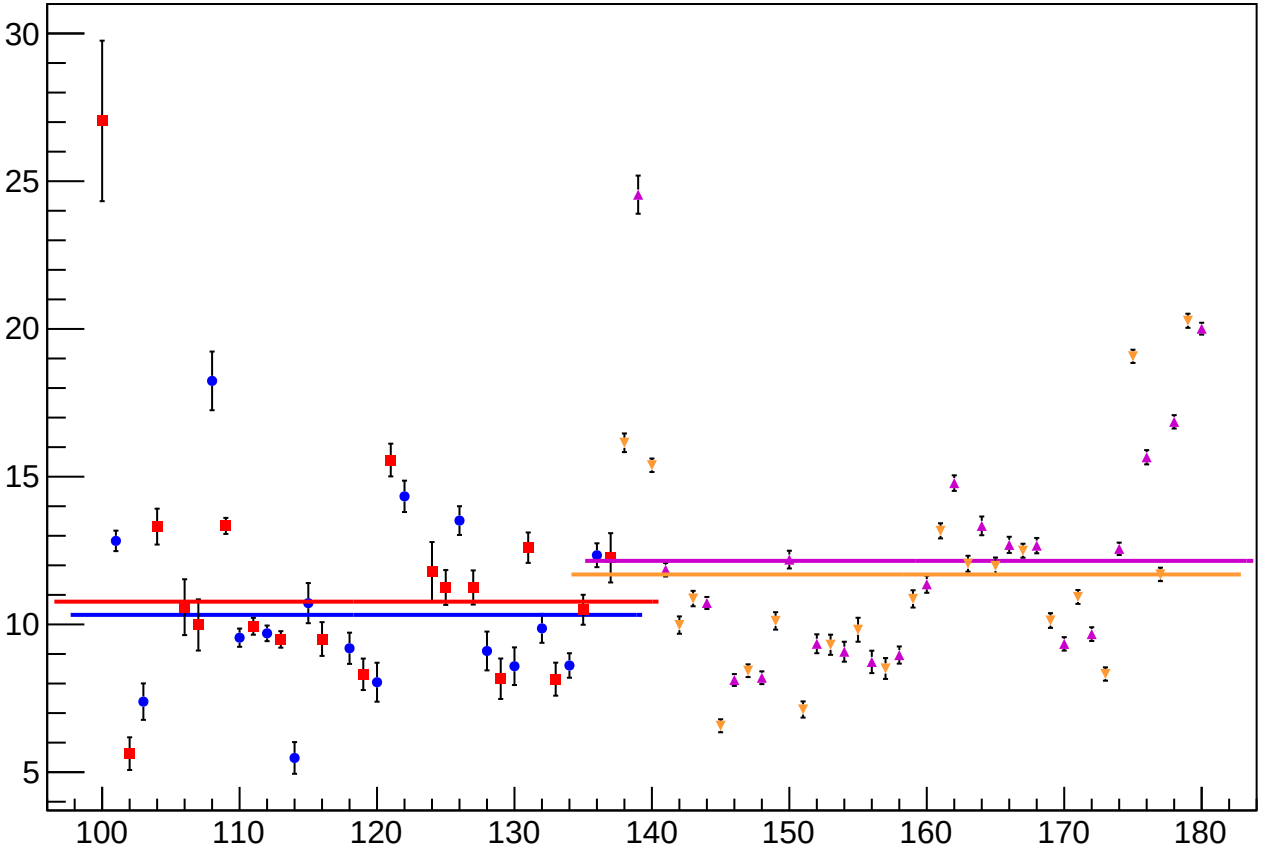
Left In: 11.561+/-0.072 χ^2/NDF:9599.8/20

+ sign 19.172+/-0.058 χ^2/NDF: 31518.0/37

All: 19.688+/-0.039 χ^2/NDF: 78169.2/77

- 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: 11.691+/-0.055 χ^2/NDF:4423.0/21

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

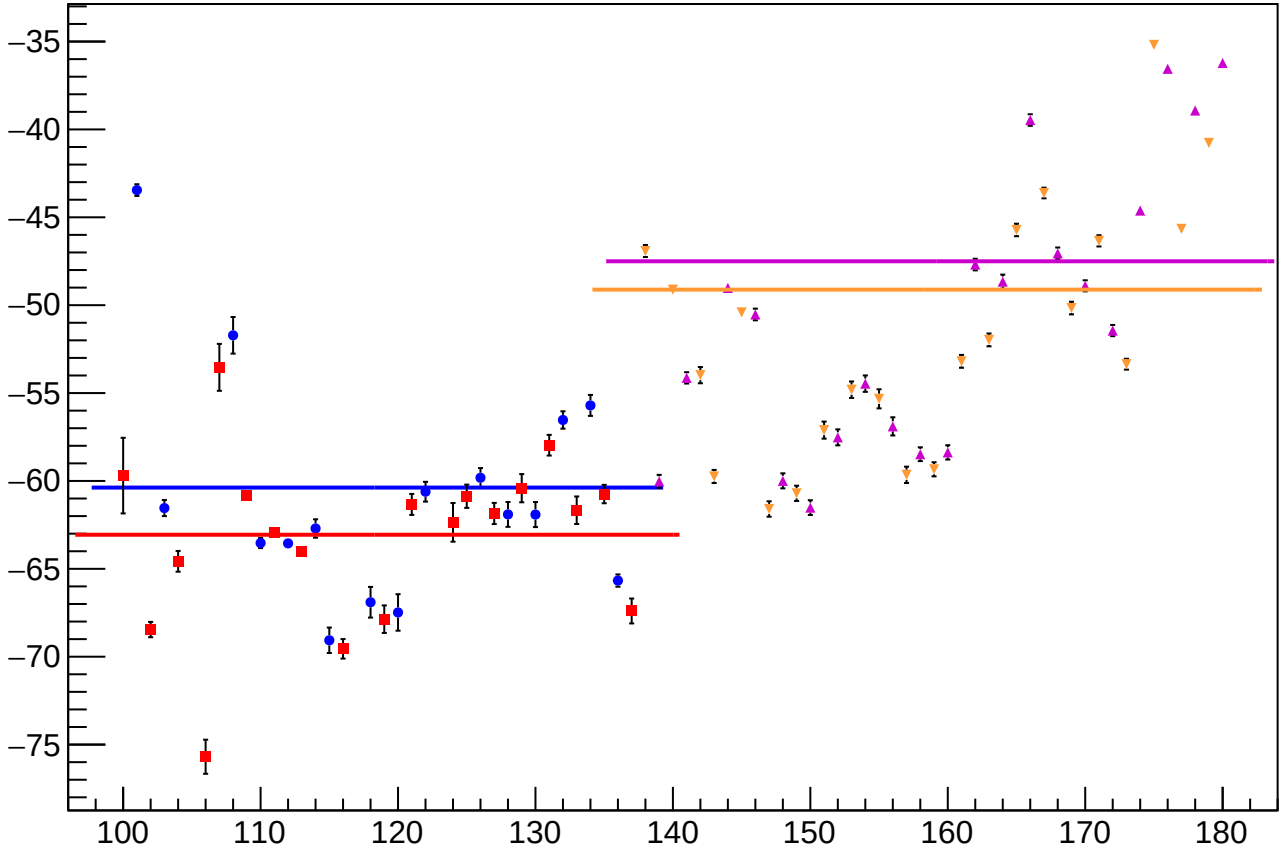
Left In: 12.151+/-0.055 χ^2/NDF:4092.3/20

+ sign 11.430+/-0.050 χ^2/NDF: 4942.0/37

All: 11.658+/-0.035 χ^2/NDF: 9612.4/77

- 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: -49.116+/-0.074 χ^2/NDF:9638.3/21

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

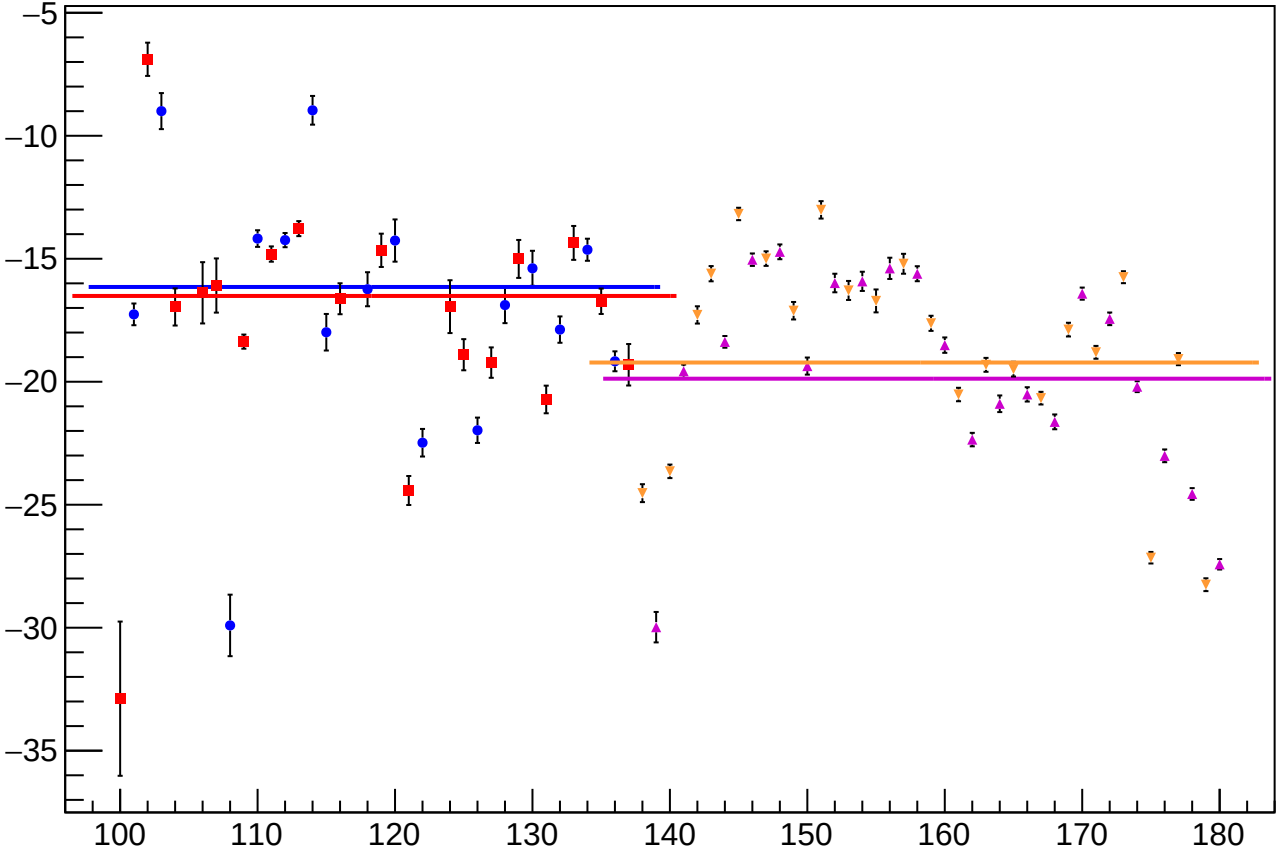
Left In: -47.502+/-0.072 χ^2/NDF:12760.2/20

+ sign -52.469+/-0.062 χ^2/NDF: 20210.2/37

All: -52.379+/-0.043 χ^2/NDF: 48380.0/77

- 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: -19.219+/-0.063 χ^2/NDF:4589.5/21

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

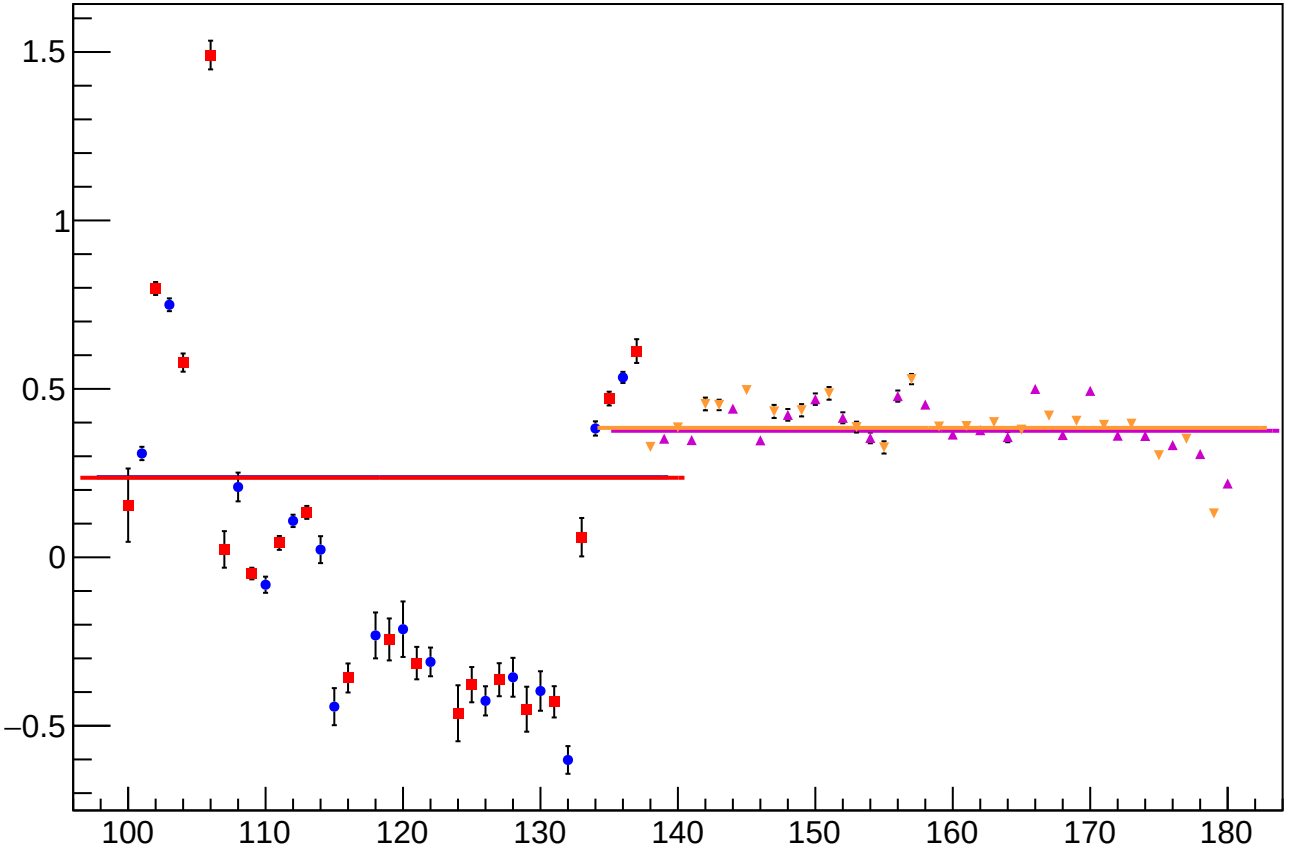
Left In: -19.876+/-0.062 χ^2/NDF:3709.1/20

+ sign -18.621+/-0.056 χ^2/NDF: 5856.4/37

All: -18.918+/-0.039 χ^2/NDF: 10889.6/77

- 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: 0.384+/-0.003 χ^2/NDF:852.9/21

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

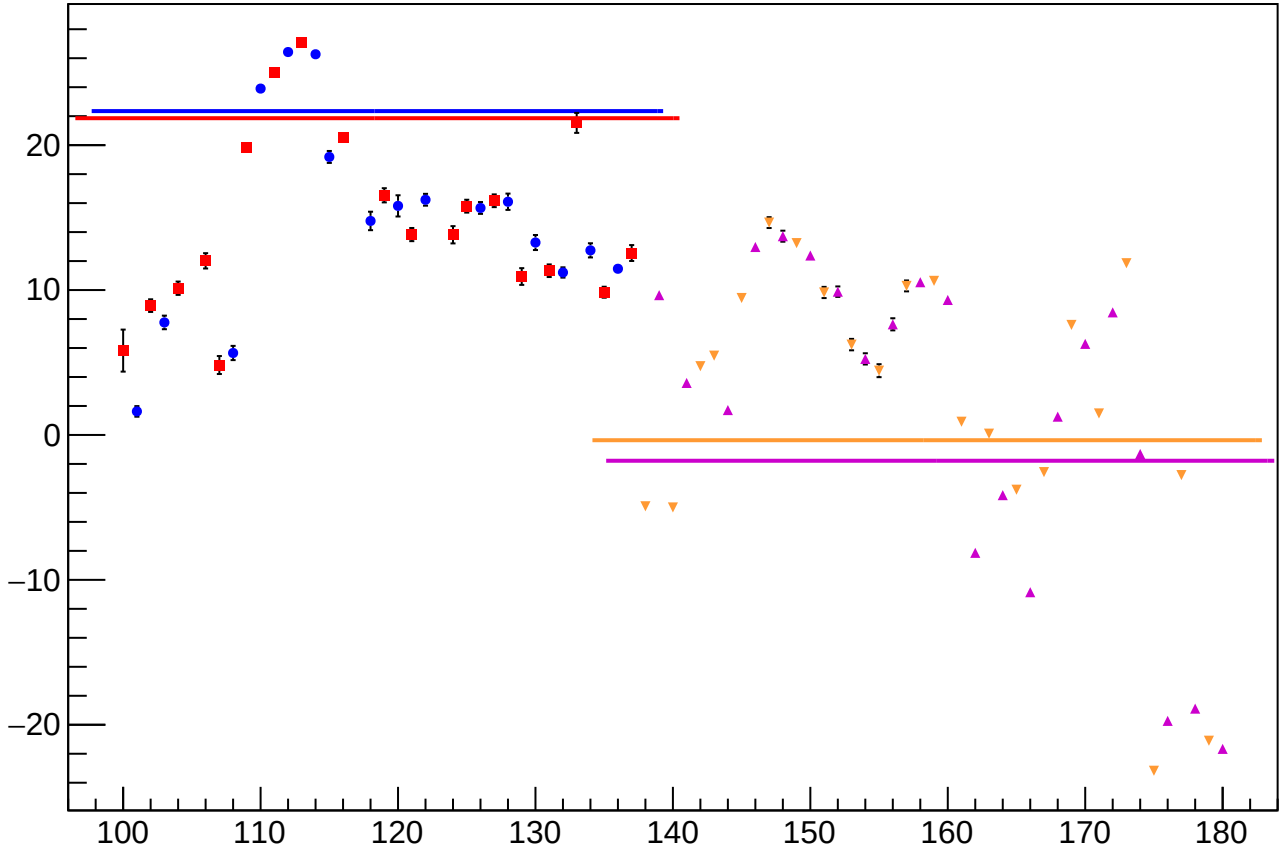
Left In: 0.376+/-0.003 χ^2/NDF:675.3/20

+ sign 0.364+/-0.003 χ^2/NDF: 3856.6/37

All: 0.361+/-0.002 χ^2/NDF: 8466.0/77

- 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: -0.363+/-0.061 χ^2/NDF:31720.5/21

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

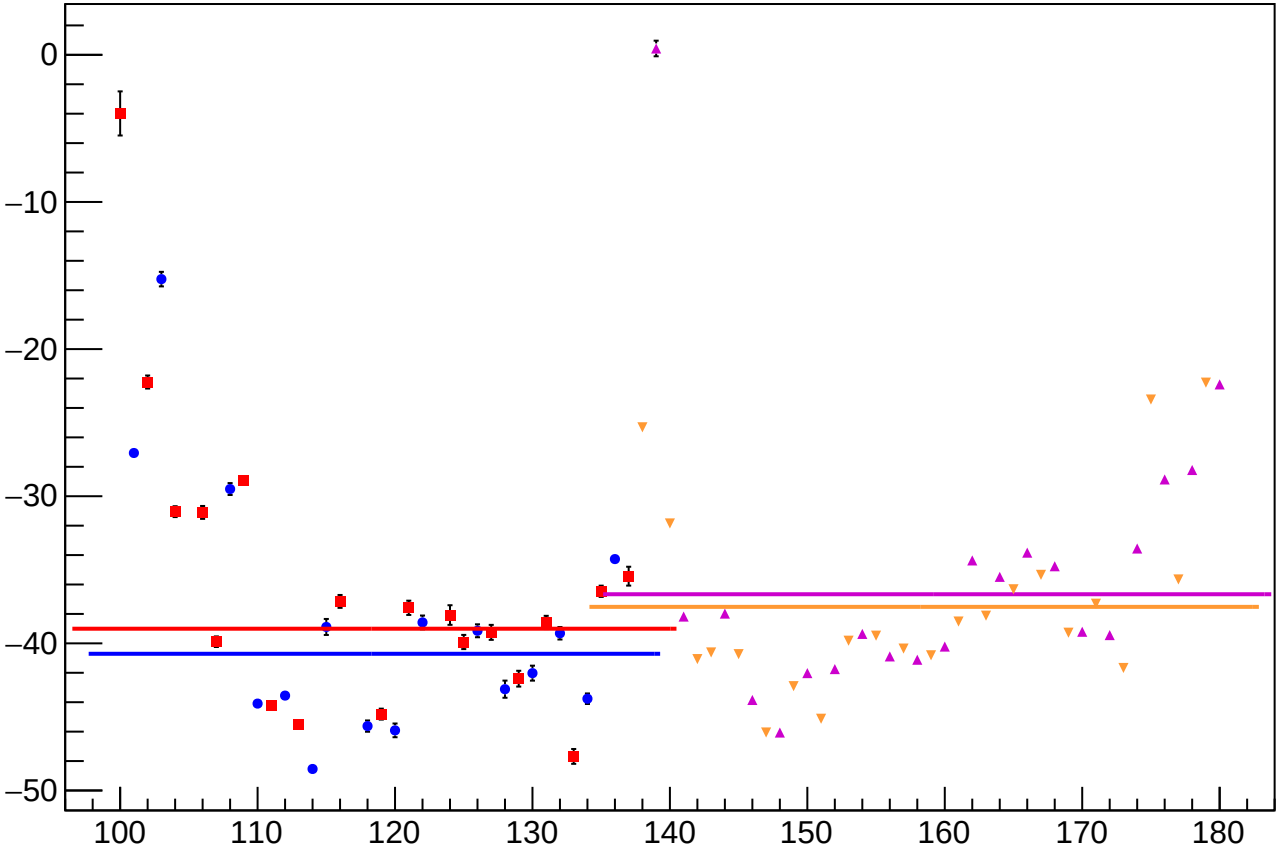
Left In: -1.780+/-0.061 χ^2/NDF:37192.2/20

+ sign 11.798+/-0.041 χ^2/NDF: 118994.5/37

All: 12.567+/-0.028 χ^2/NDF: 263300.6/77

- 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: -37.520+/-0.045 χ^2/NDF:19616.8/21

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

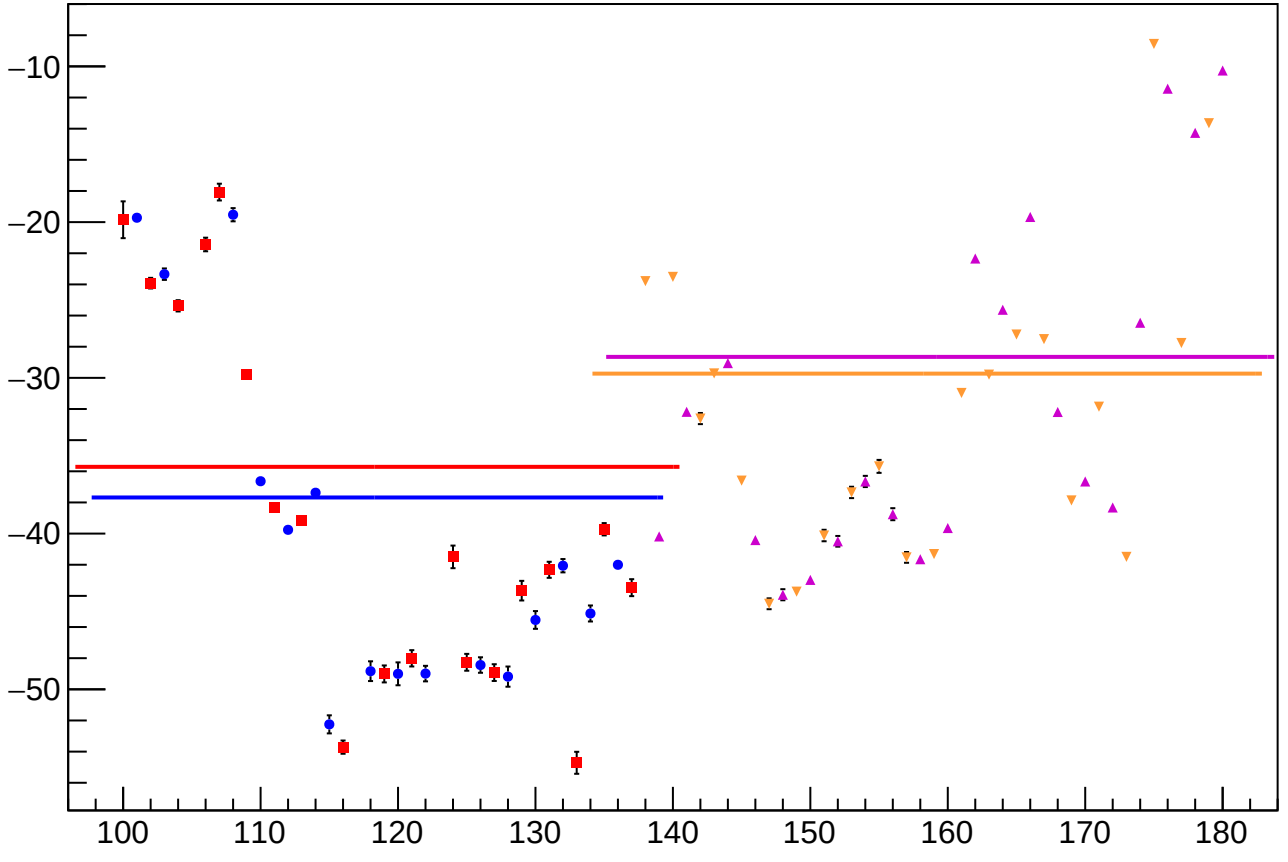
Left In: -36.662+/-0.046 χ^2/NDF:20890.7/20

+ sign -38.340+/-0.039 χ^2/NDF: 28688.3/37

All: -37.852+/-0.027 χ^2/NDF: 60759.4/77

- 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: -29.728+/-0.060 χ^2/NDF:27278.8/21

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

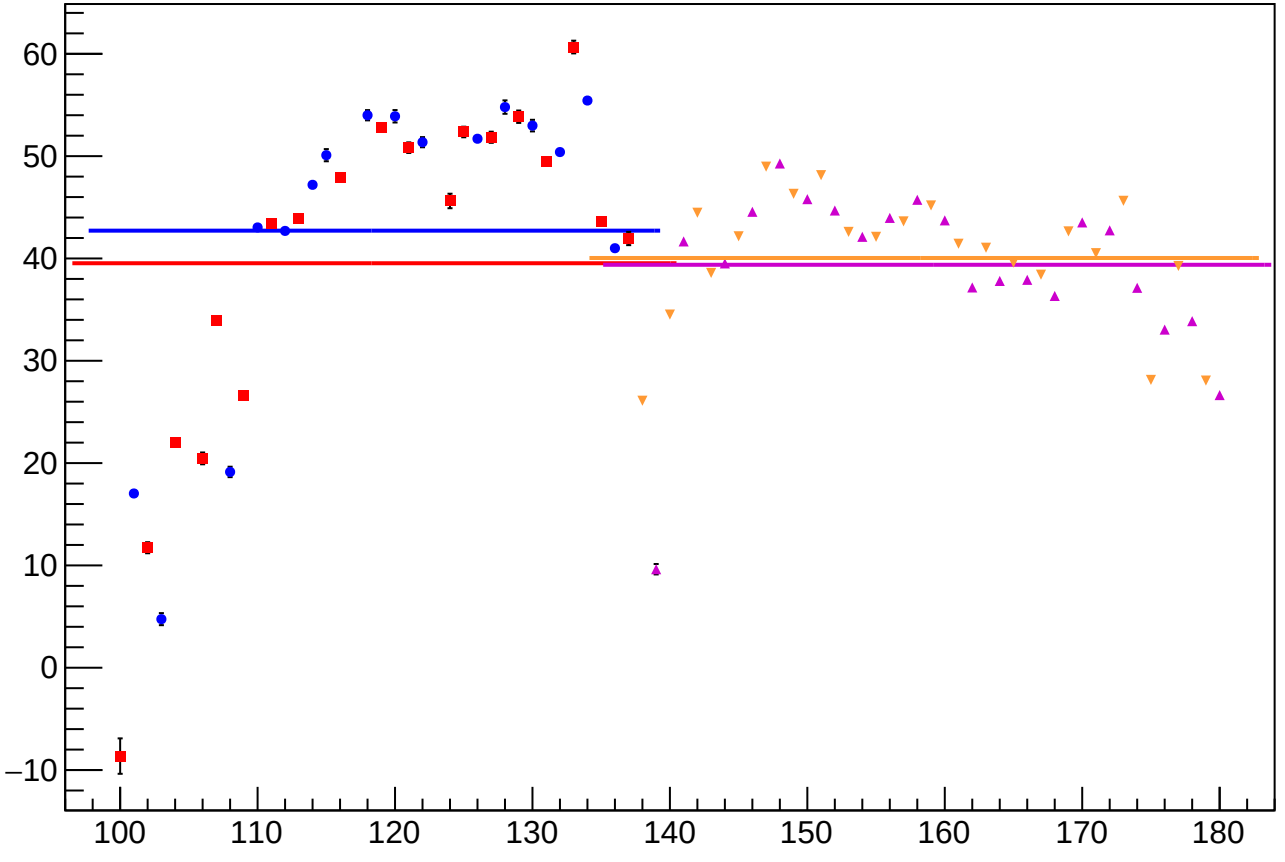
Left In: -28.653+/-0.060 χ^2/NDF:34191.1/20

+ sign -32.914+/-0.047 χ^2/NDF: 45103.4/37

All: -32.406+/-0.032 χ^2/NDF: 99207.1/77

- 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: 40.046+/-0.051 χ^2/NDF:13656.6/21

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

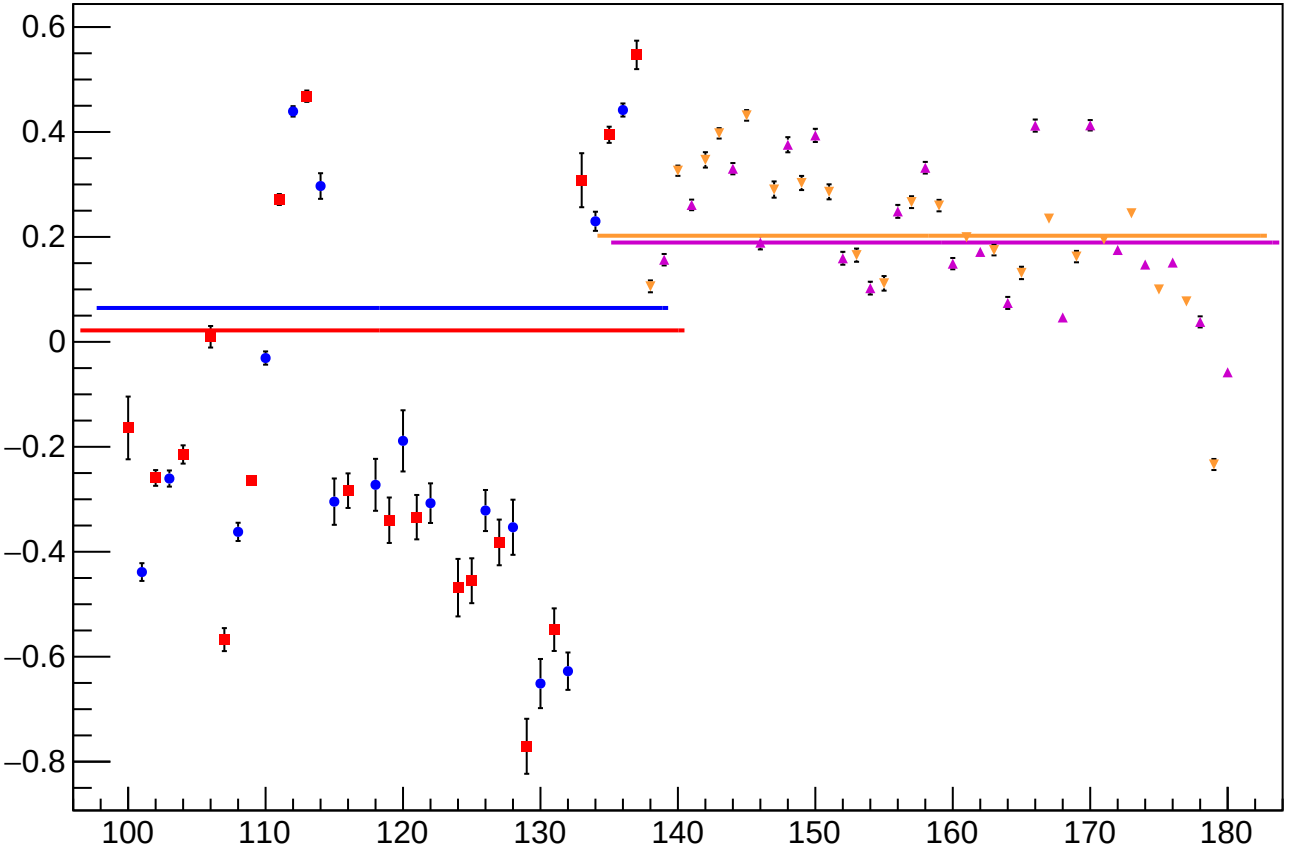
Left In: 39.382+/-0.052 χ^2/NDF:14359.0/20

+ sign 40.753+/-0.044 χ^2/NDF: 29147.2/37

All: 40.084+/-0.031 χ^2/NDF: 61949.8/77

- 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: 0.202+/-0.002 χ^2/NDF:3574.6/21

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

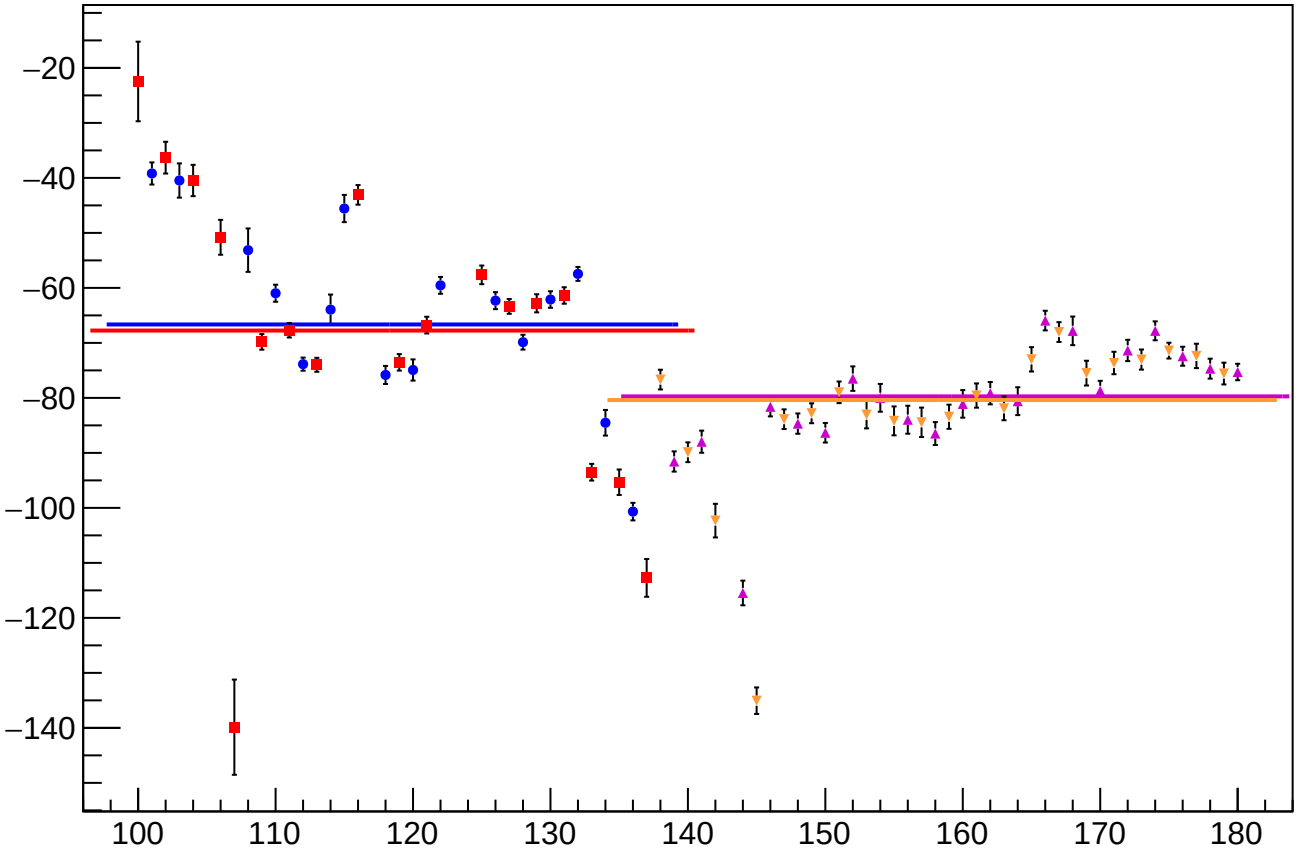
Left In: 0.189+/-0.002 χ^2/NDF:3095.3/20

+ sign 0.177+/-0.002 χ^2/NDF: 9731.0/37

All: 0.165+/-0.001 χ^2/NDF: 20438.7/77

- 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: -80.389+/-0.445 χ^2/NDF:760.2/20

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

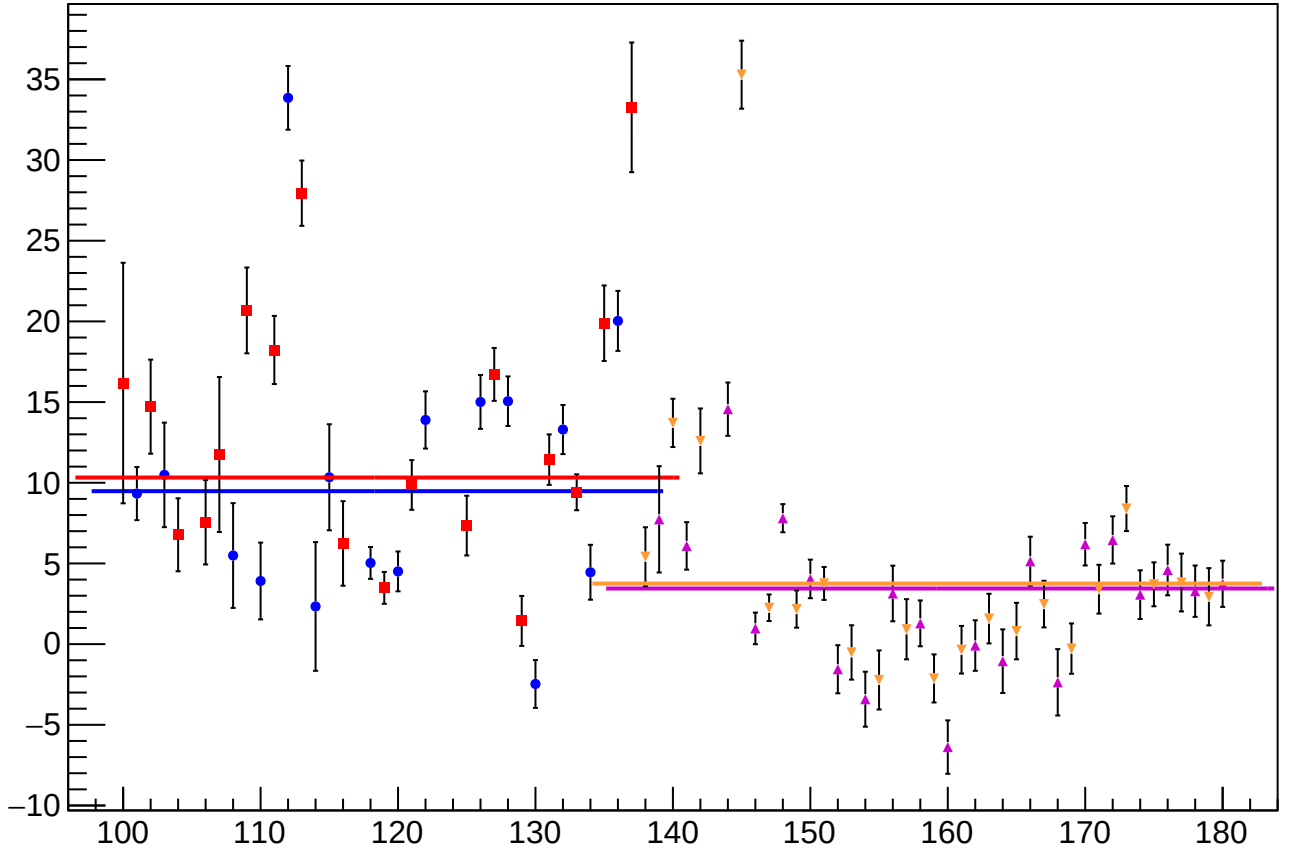
Left In: -79.725+/-0.429 χ^2/NDF:532.1/20

+ sign -73.215+/-0.308 χ^2/NDF: 2309.6/36

All: -73.415+/-0.215 χ^2/NDF: 4495.9/75

- 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: 3.755+/-0.316 χ^2/NDF:359.7/20

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

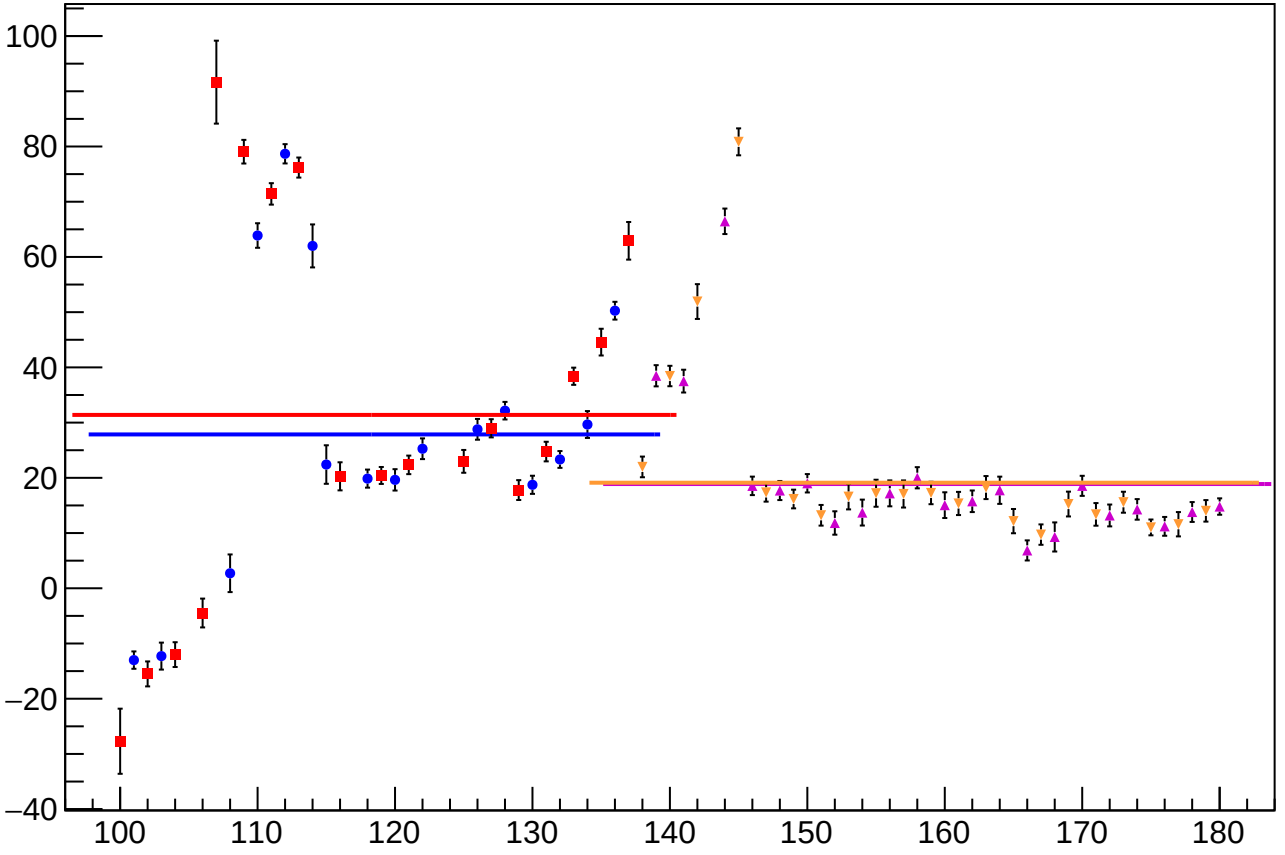
Left In: 3.447+/-0.315 χ^2/NDF:175.6/20

\+ sign 5.774+/-0.254 χ^2/NDF: 817.4/36

All: 5.791+/-0.180 χ^2/NDF: 1420.1/75

\- 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: 19.116+/-0.437 χ^2/NDF:981.3/20

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

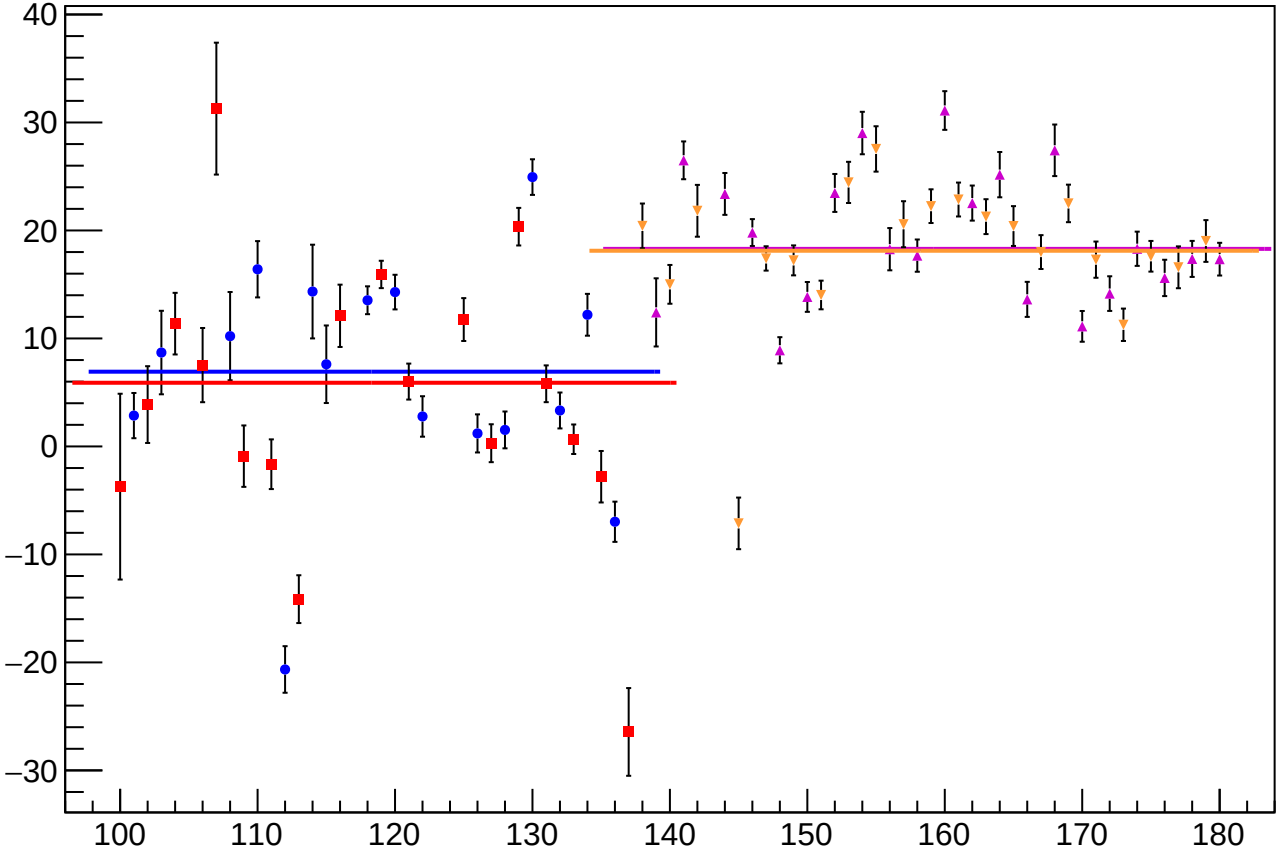
Left In: 18.877+/-0.422 χ^2/NDF:740.2/20

+ sign 23.058+/-0.324 χ^2/NDF: 3635.6/36

All: 23.657+/-0.227 χ^2/NDF: 7770.7/75

- 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: 18.121+/-0.364 χ^2/NDF:211.0/20

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

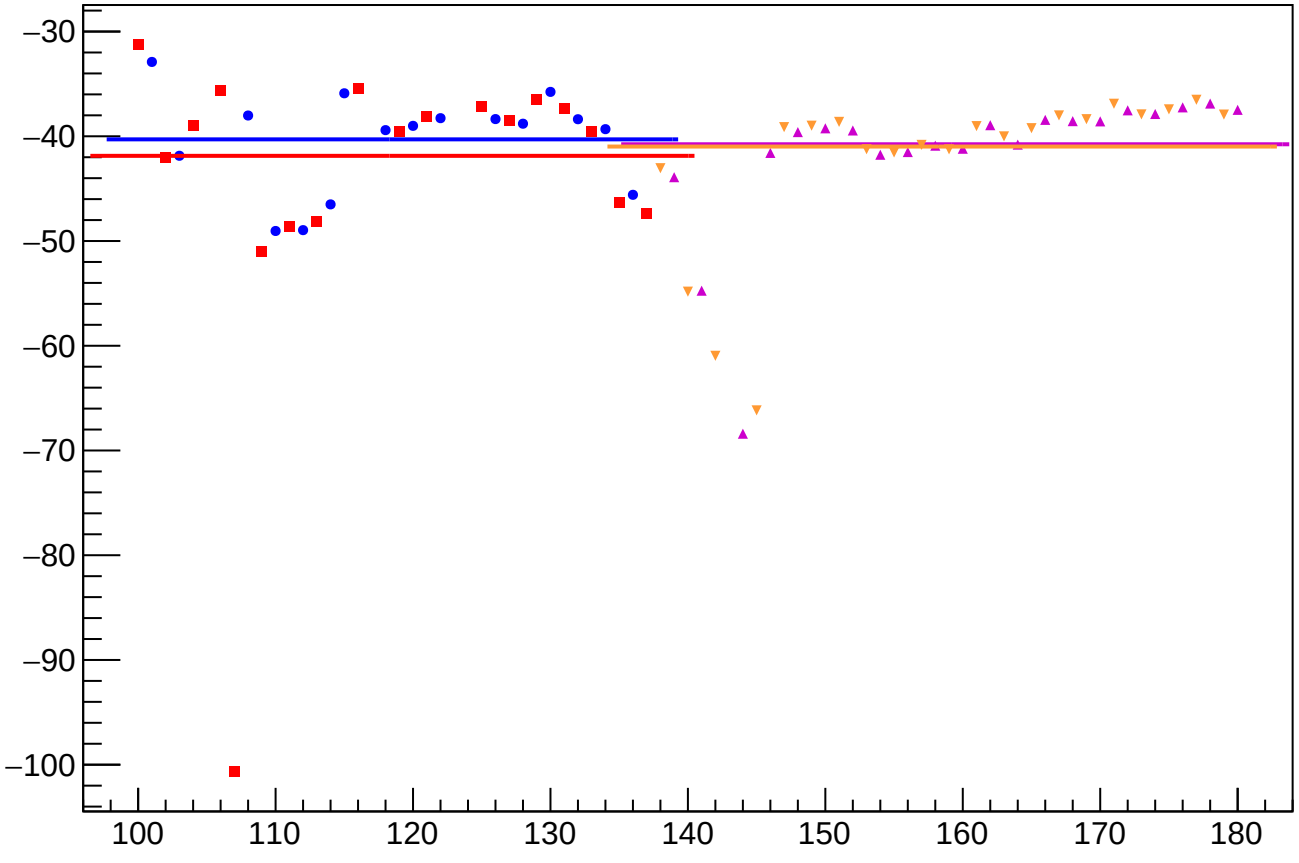
Left In: 18.295+/-0.360 χ^2/NDF:269.7/20

+ sign 14.197+/-0.293 χ^2/NDF: 987.1/36

All: 14.142+/-0.207 χ^2/NDF: 2027.9/75

- 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: -40.980+/-0.017 χ^2/NDF:141040.0/20

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

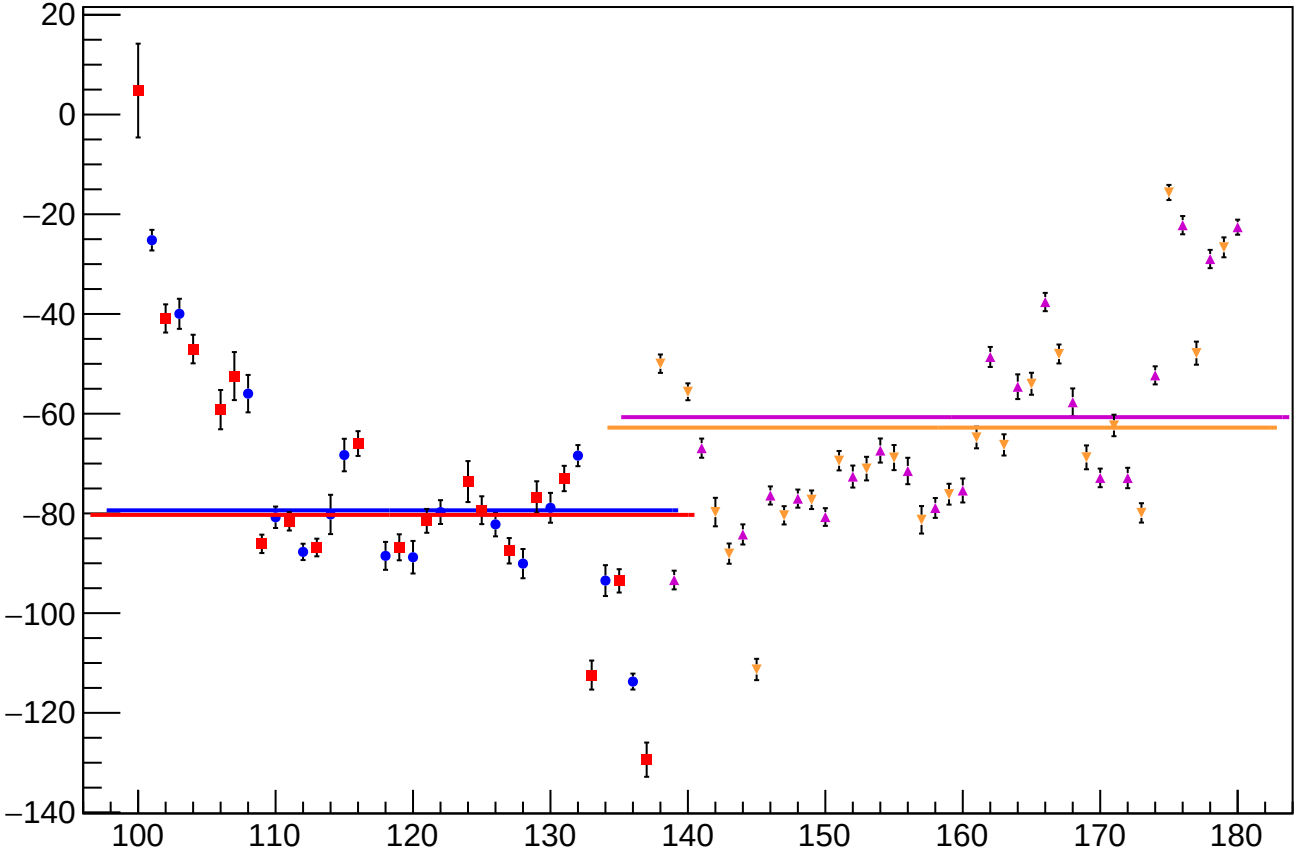
Left In: -40.763+/-0.016 χ^2/NDF:116628.1/20

+ sign -40.828+/-0.015 χ^2/NDF: 162075.8/36

All: -40.909+/-0.010 χ^2/NDF: 338440.9/75

- 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: -62.792+/-0.438 χ^2/NDF:2535.5/21

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

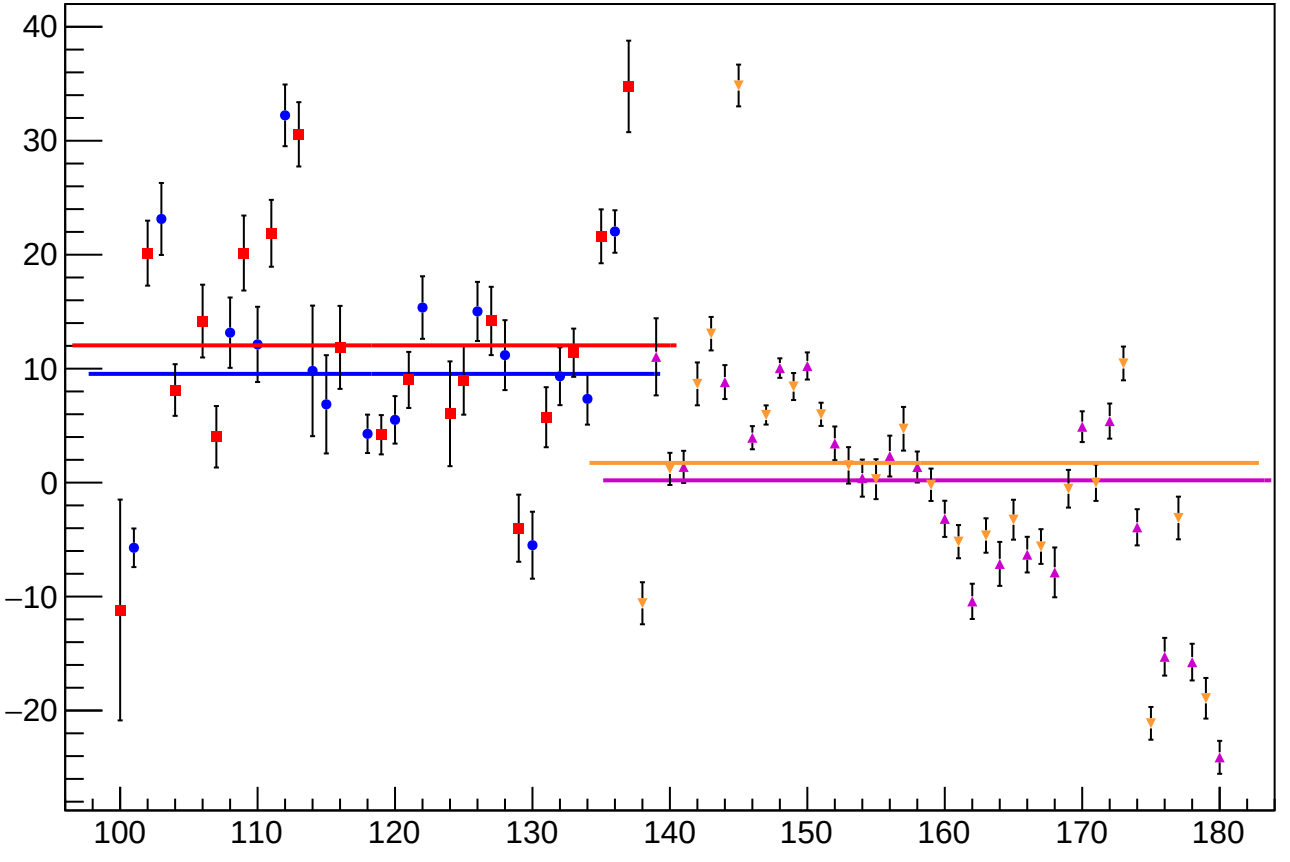
Left In: -60.692+/-0.432 χ^2/NDF:2584.8/20

+ sign -68.424+/-0.356 χ^2/NDF: 4498.3/37

All: -67.864+/-0.250 χ^2/NDF: 8699.8/77

- 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: 1.730+/-0.311 χ^2/NDF:1027.0/21

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

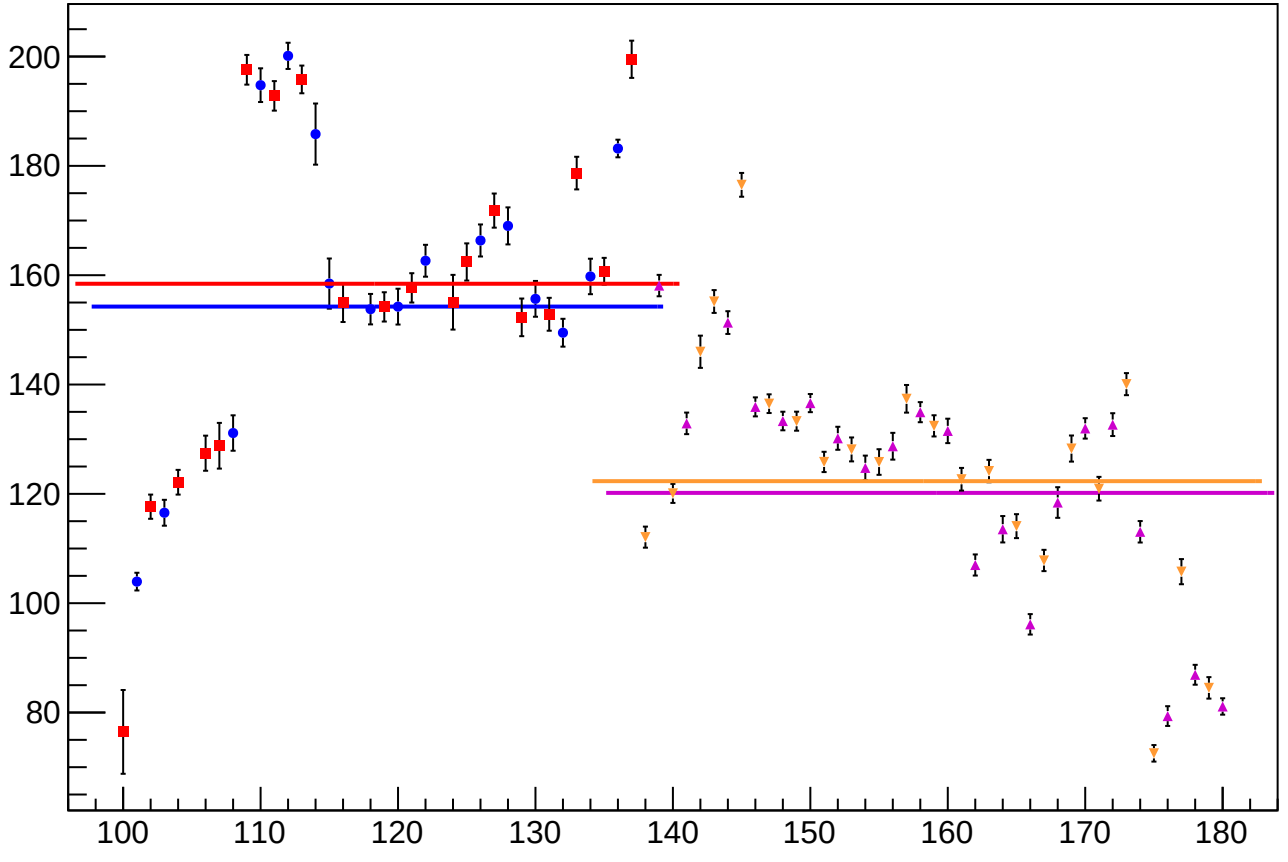
Left In: 0.199+/-0.315 χ^2/NDF:864.3/20

+ sign 3.292+/-0.278 χ^2/NDF: 1420.6/37

All: 2.917+/-0.198 χ^2/NDF: 2762.3/77

- 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: 122.324+/-0.431 χ^2/NDF:2804.9/21

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

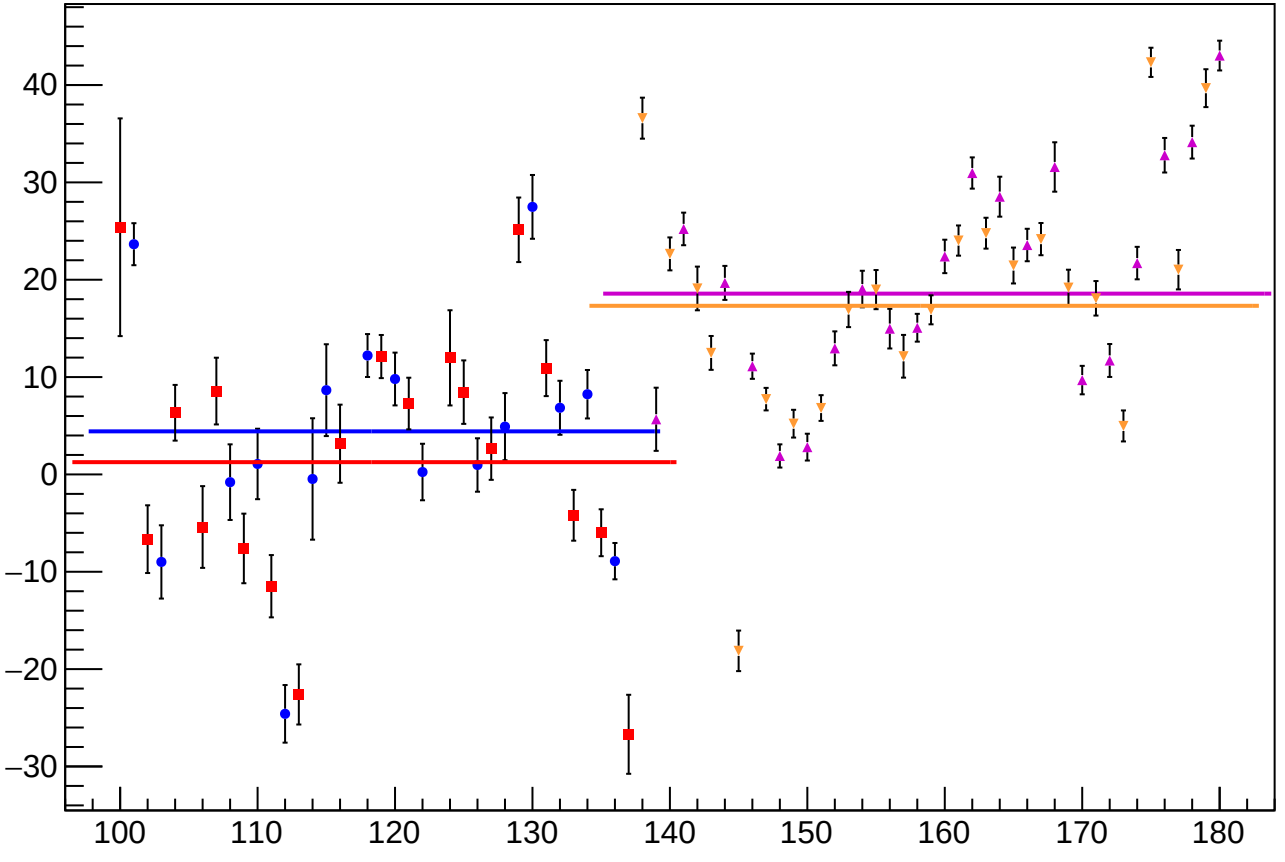
Left In: 120.178+/-0.424 χ^2/NDF:2842.2/20

\+ sign 131.827+/-0.361 χ^2/NDF: 6654.7/37

All: 131.330+/-0.255 χ^2/NDF: 13431.1/77

\- 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: 17.321+/-0.358 χ^2/NDF:1139.9/21

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

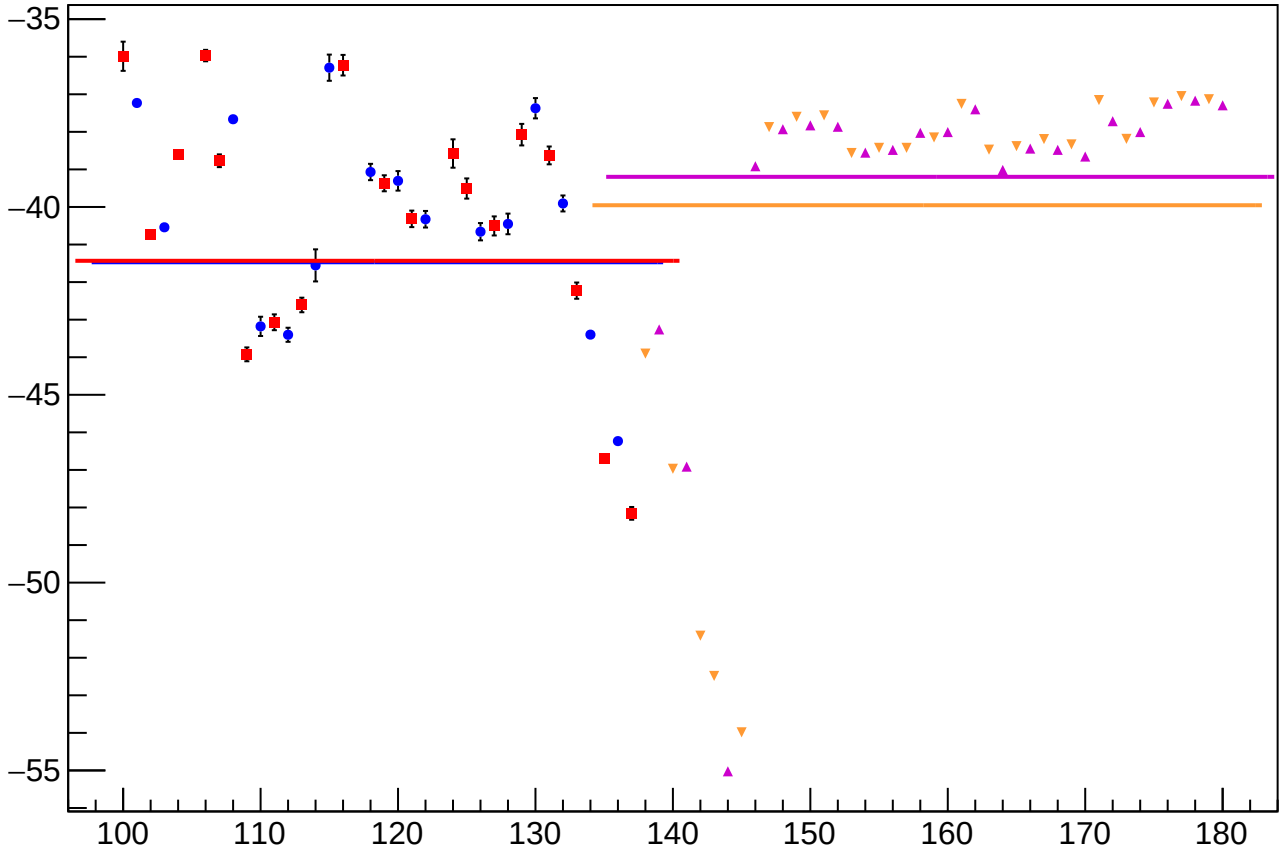
Left In: 18.572+/-0.360 χ^2/NDF:996.4/20

+ sign 14.726+/-0.320 χ^2/NDF: 1716.6/37

All: 14.957+/-0.228 χ^2/NDF: 3429.5/77

- 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: -39.954+/-0.017 χ^2/NDF:80752.4/21

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

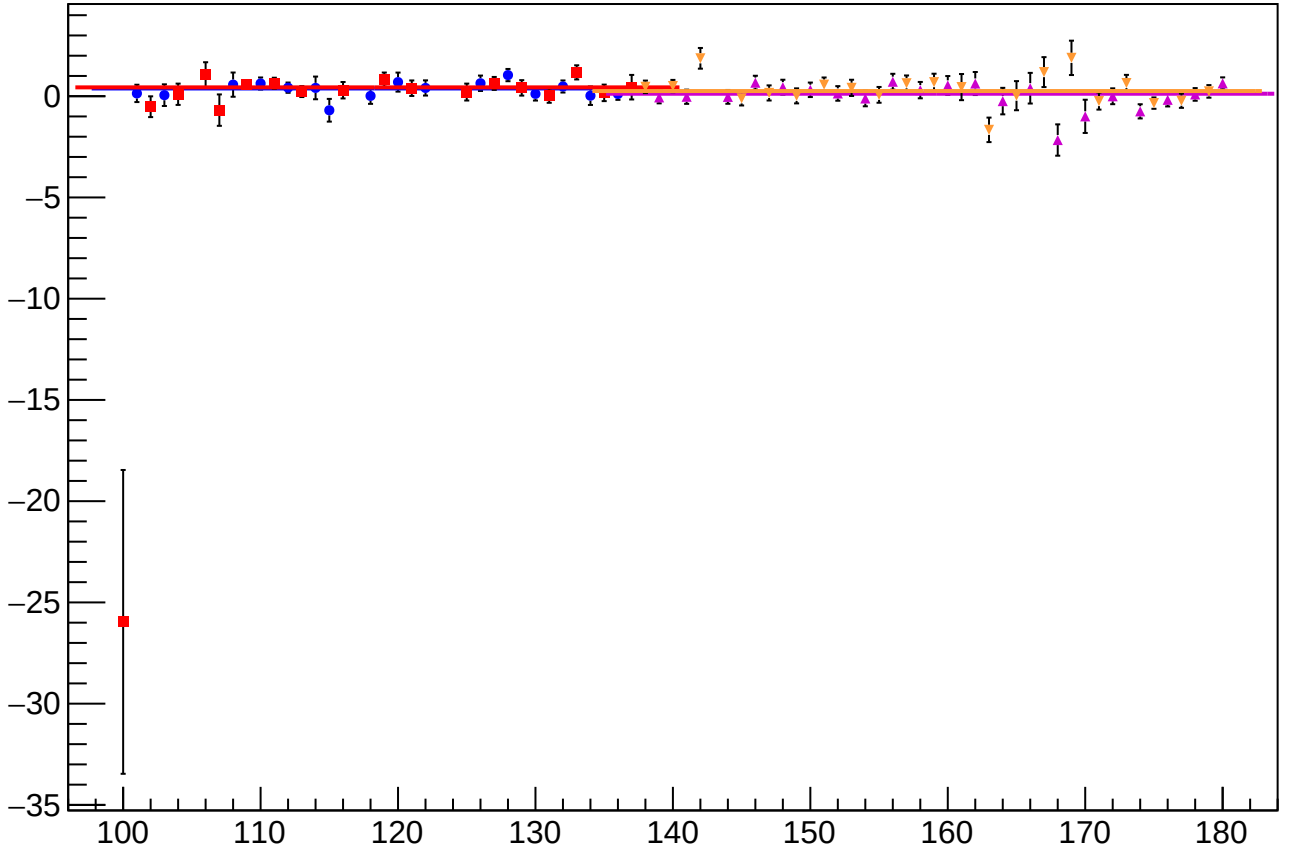
Left In: -39.198+/-0.016 χ^2/NDF:46748.9/20

+ sign -40.195+/-0.015 χ^2/NDF: 89998.8/37

All: -39.856+/-0.011 χ^2/NDF: 148695.3/77

- 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: 0.254+/-0.086 χ^2/NDF:40.1/20

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

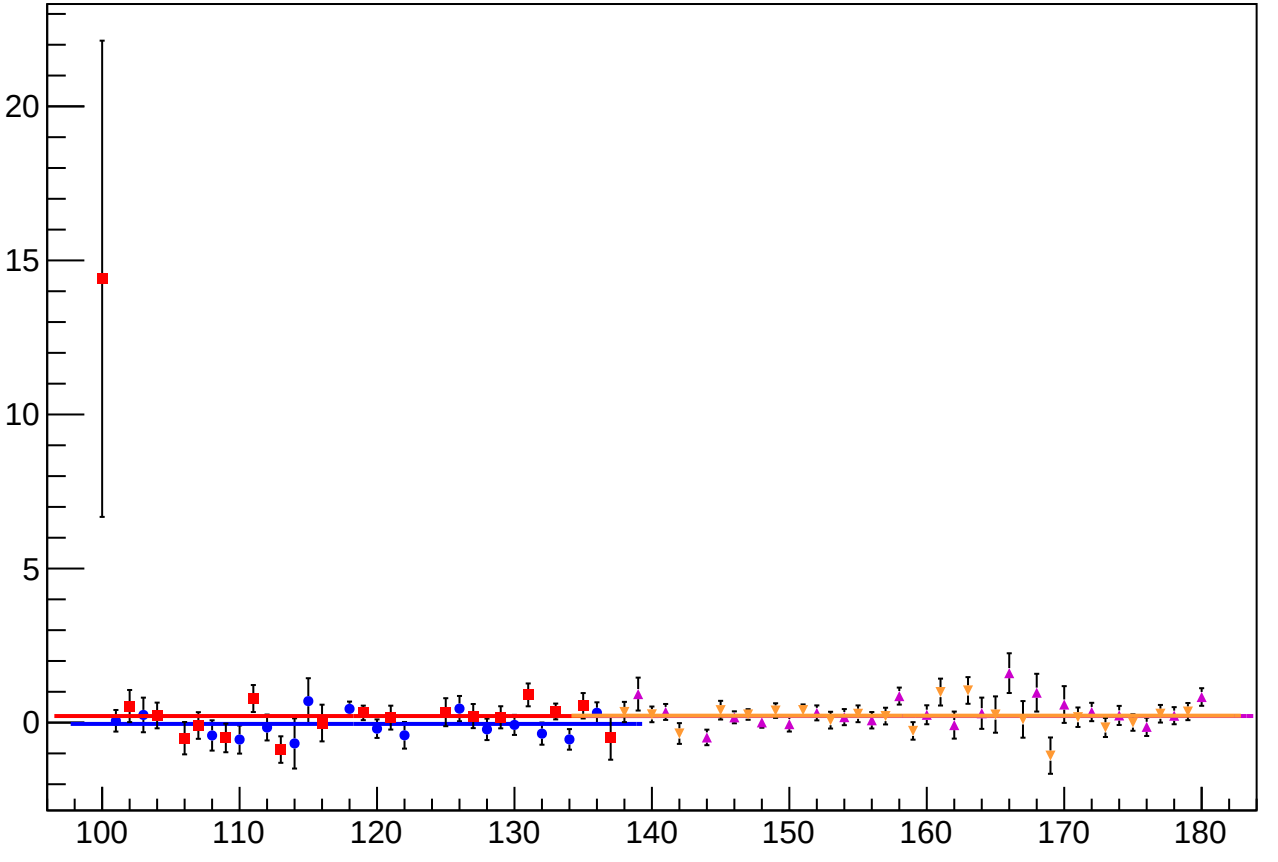
Left In: 0.122+/-0.085 χ^2/NDF:29.9/20

+ sign 0.314+/-0.063 χ^2/NDF: 55.1/36

All: 0.291+/-0.044 χ^2/NDF: 120.8/75

- 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: 0.225+/-0.062 χ^2/NDF:22.4/20

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

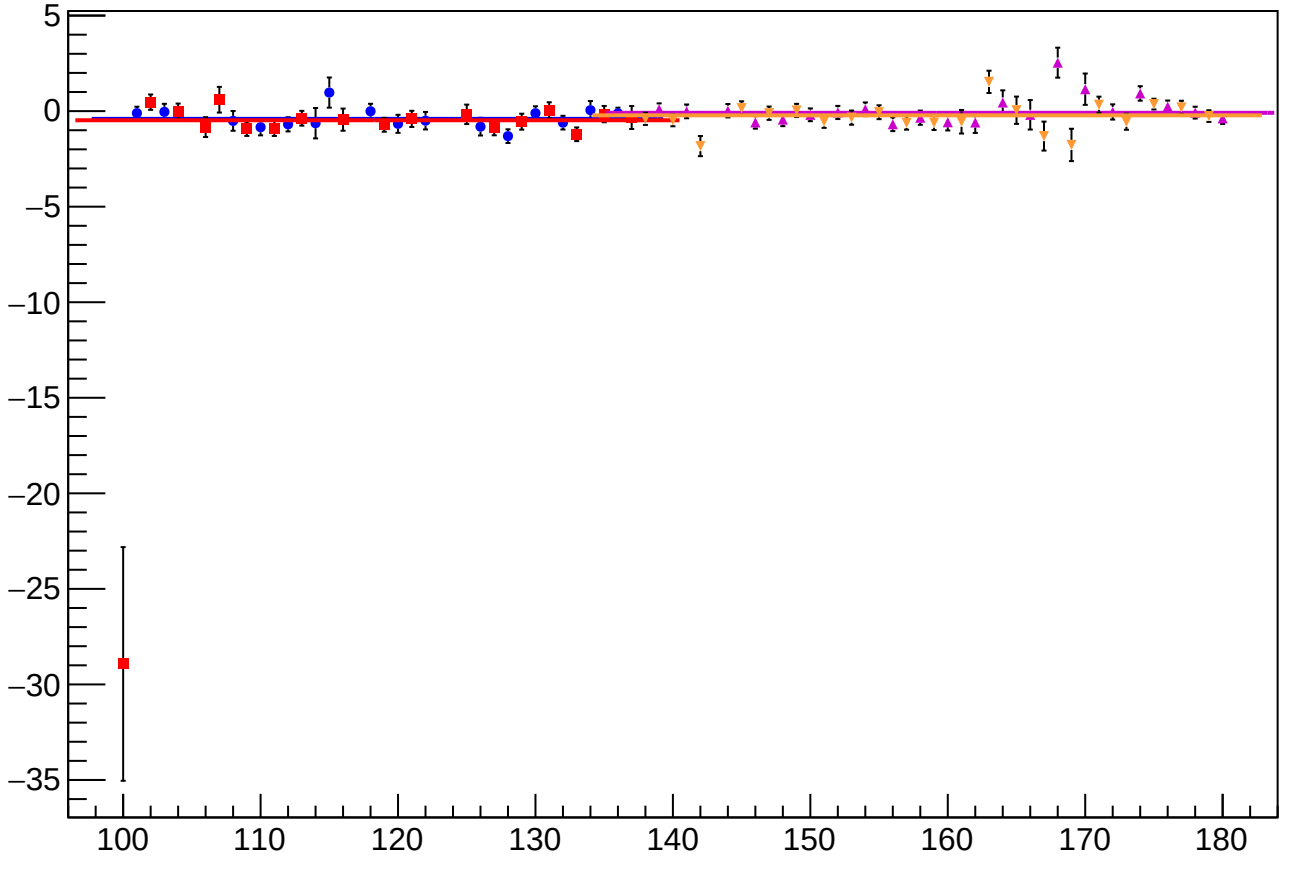
Left In: 0.213+/-0.063 χ^2/NDF:31.5/20

+ sign 0.143+/-0.052 χ^2/NDF: 43.0/36

All: 0.178+/-0.037 χ^2/NDF: 97.8/75

- 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: -0.220+/-0.085 χ^2/NDF:38.5/20

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

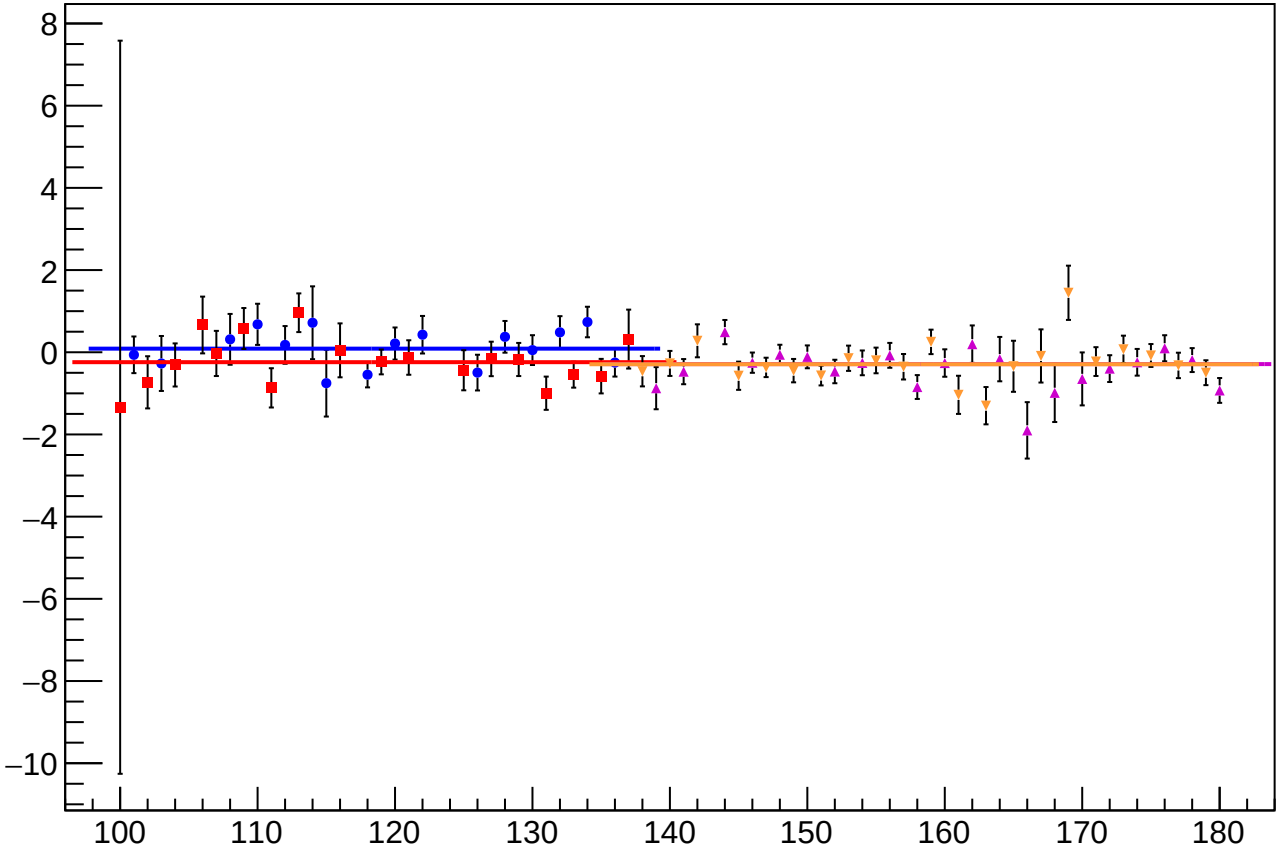
Left In: -0.088+/-0.083 χ^2/NDF:32.9/20

+ sign -0.295+/-0.065 χ^2/NDF: 58.2/36

All: -0.267+/-0.046 χ^2/NDF: 142.3/75

- 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: -0.291+/-0.072 χ^2/NDF:25.1/20

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

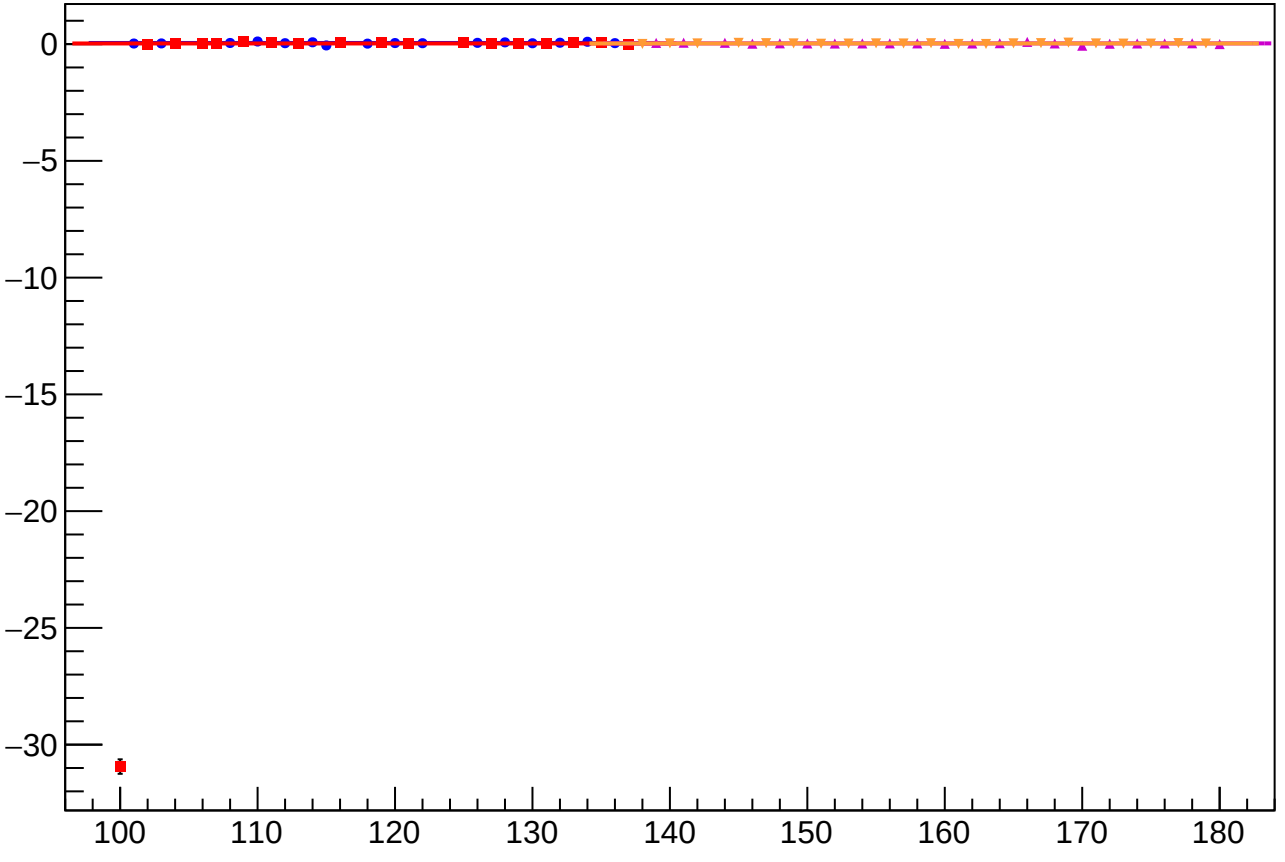
Left In: -0.288+/-0.072 χ^2/NDF:28.8/20

+ sign -0.174+/-0.060 χ^2/NDF: 49.5/36

All: -0.224+/-0.043 χ^2/NDF: 99.3/75

- 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: 0.028+/-0.003 χ^2/NDF:13.8/20

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

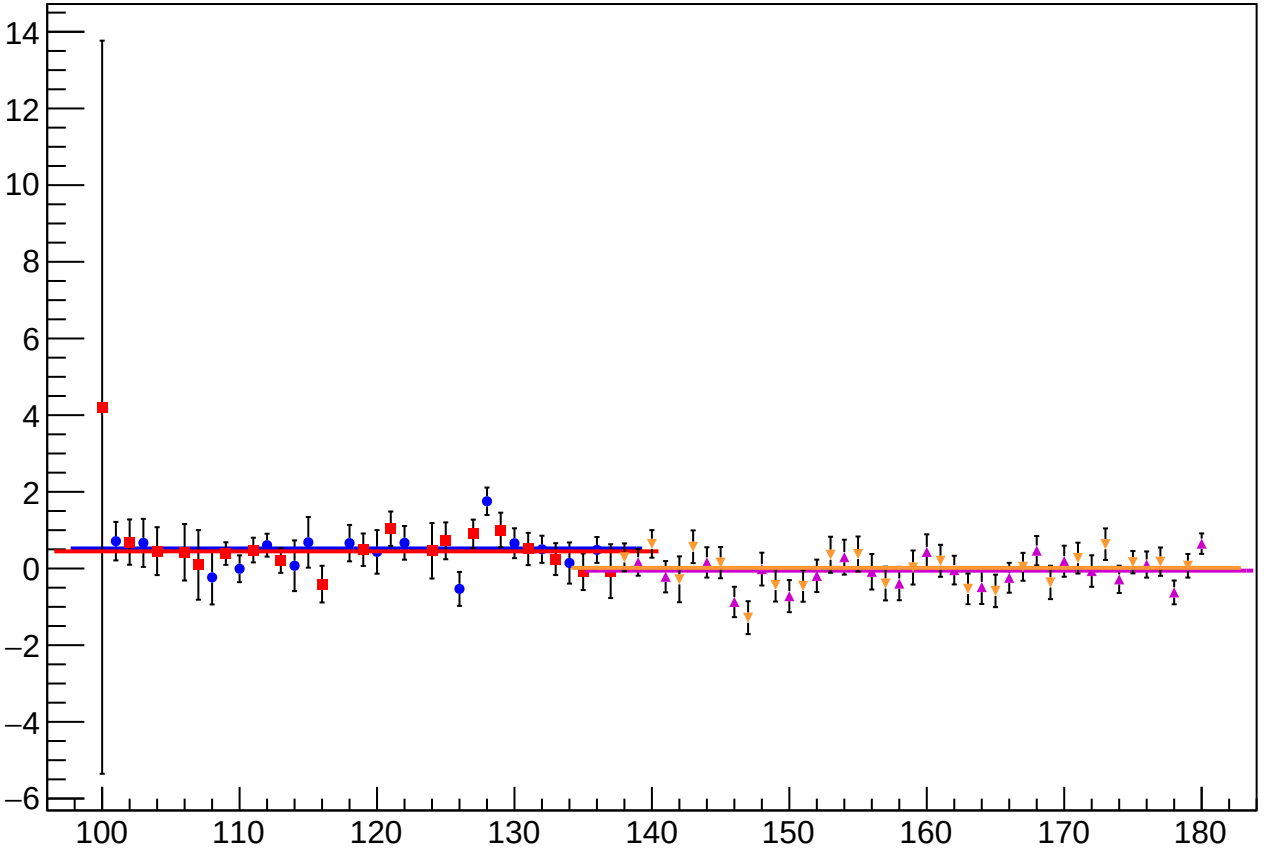
Left In: 0.031+/-0.003 χ^2/NDF:35.2/20

+ sign 0.032+/-0.003 χ^2/NDF: 41.5/36

All: 0.031+/-0.002 χ^2/NDF: 10098.1/75

- 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: 0.017+/-0.085 χ^2/NDF:27.2/21

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

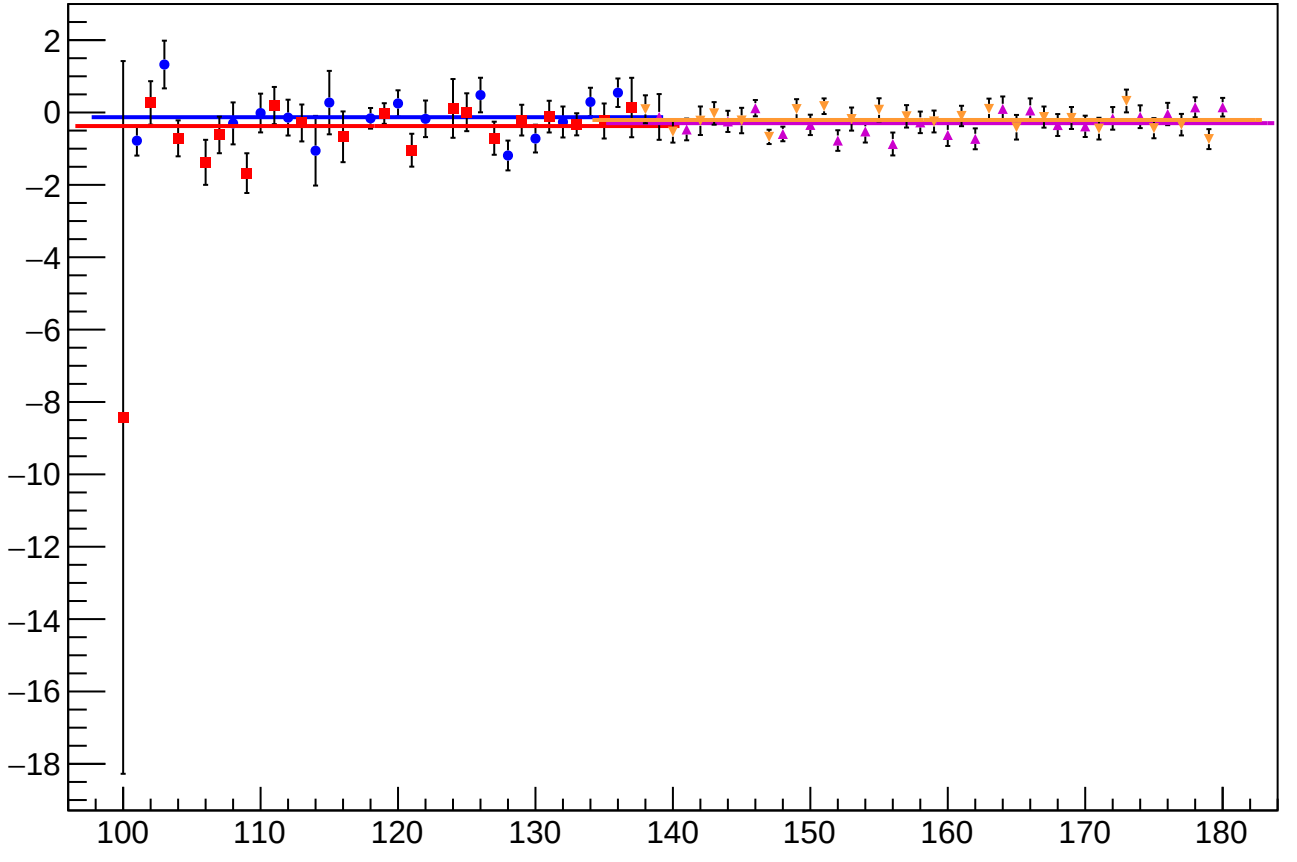
Left In: -0.056+/-0.084 χ^2/NDF:24.4/20

+ sign 0.210+/-0.067 χ^2/NDF: 63.2/37

All: 0.174+/-0.047 χ^2/NDF: 113.5/77

- 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: -0.207+/-0.062 χ^2/NDF:22.6/21

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

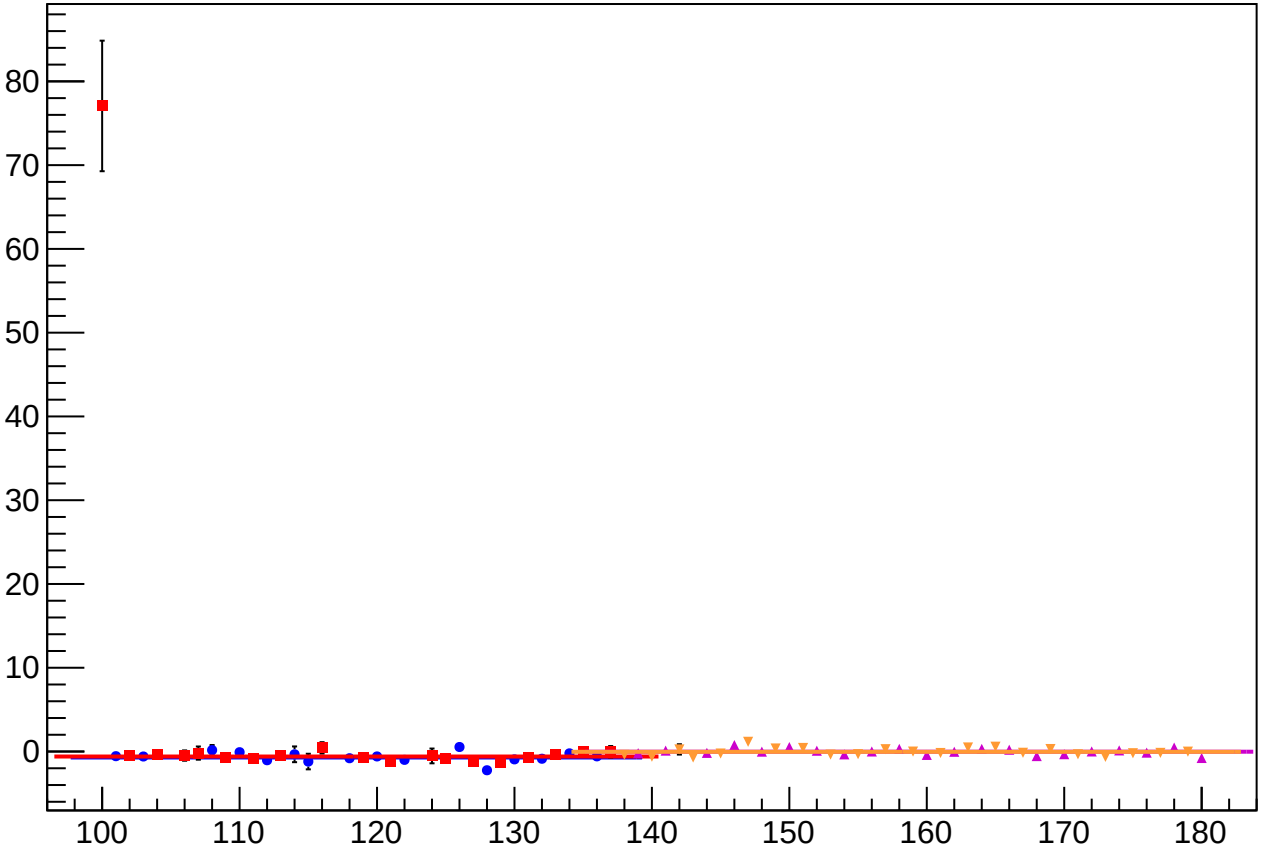
Left In: -0.295+/-0.063 χ^2/NDF:25.3/20

+ sign -0.189+/-0.054 χ^2/NDF: 47.5/37

All: -0.250+/-0.039 χ^2/NDF: 94.1/77

- 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: -0.035+/-0.084 χ^2/NDF:26.8/21

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

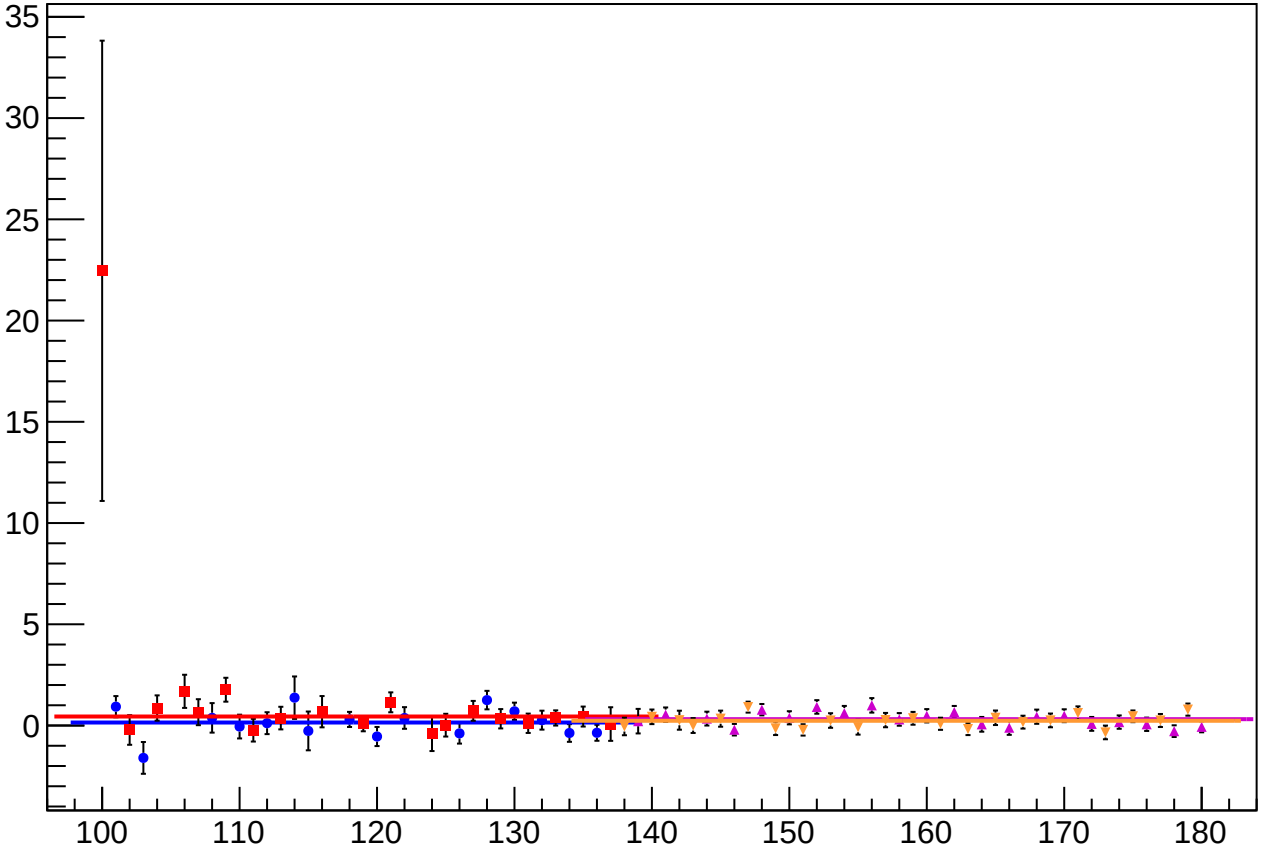
Left In: -0.023+/-0.083 χ^2/NDF:23.2/20

+ sign -0.254+/-0.069 χ^2/NDF: 72.8/37

All: -0.229+/-0.049 χ^2/NDF: 222.5/77

- 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: 0.234+/-0.071 χ^2/NDF:22.7/21

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

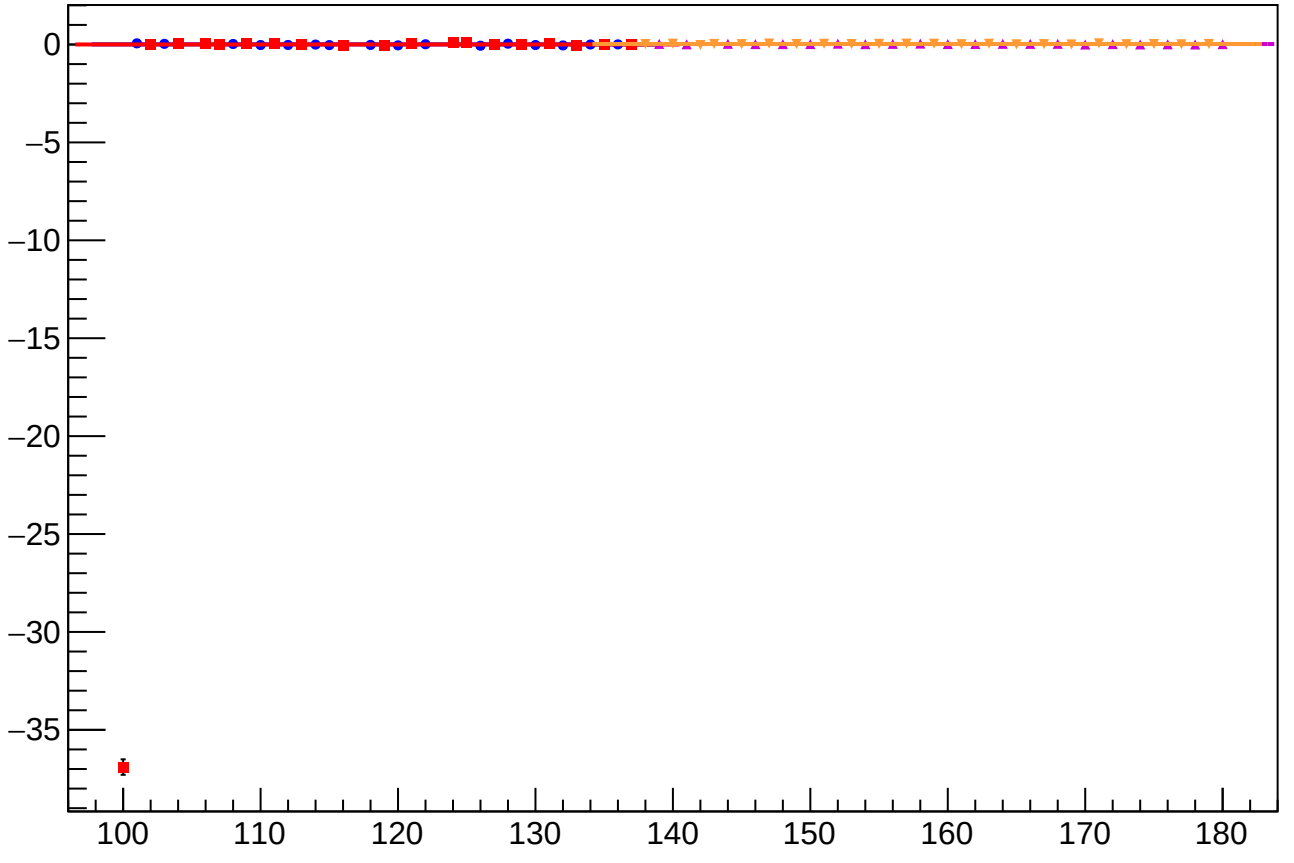
Left In: 0.313+/-0.072 χ^2/NDF:25.4/20

+ sign 0.214+/-0.062 χ^2/NDF: 46.3/37

All: 0.279+/-0.044 χ^2/NDF: 94.4/77

- 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: 0.026+/-0.003 χ^2/NDF:23.4/21

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

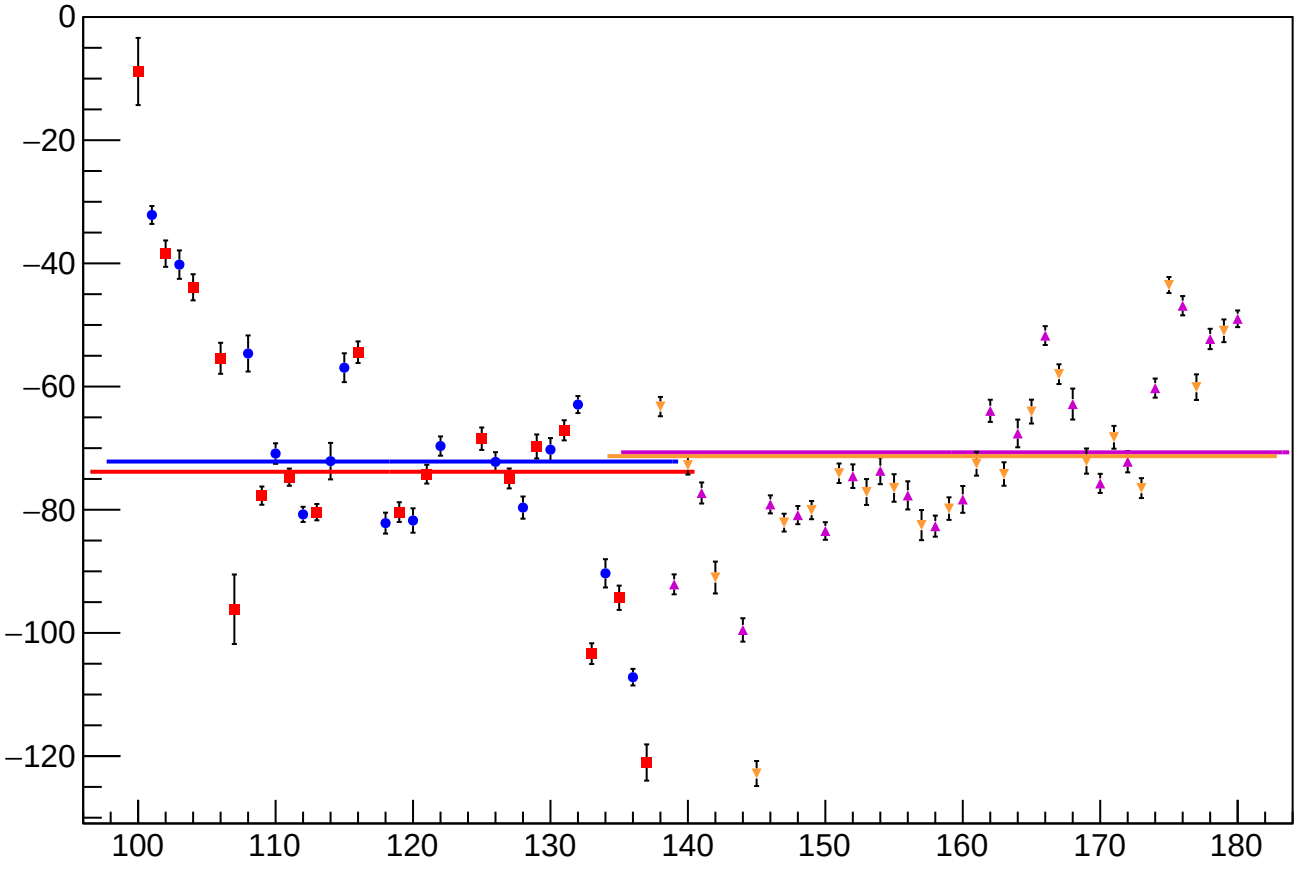
Left In: 0.025+/-0.003 χ^2/NDF:17.0/20

+ sign 0.023+/-0.003 χ^2/NDF: 47.2/37

All: 0.022+/-0.002 χ^2/NDF: 8825.5/77

- 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: -71.301+/-0.387 χ^2/NDF:1586.4/20

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

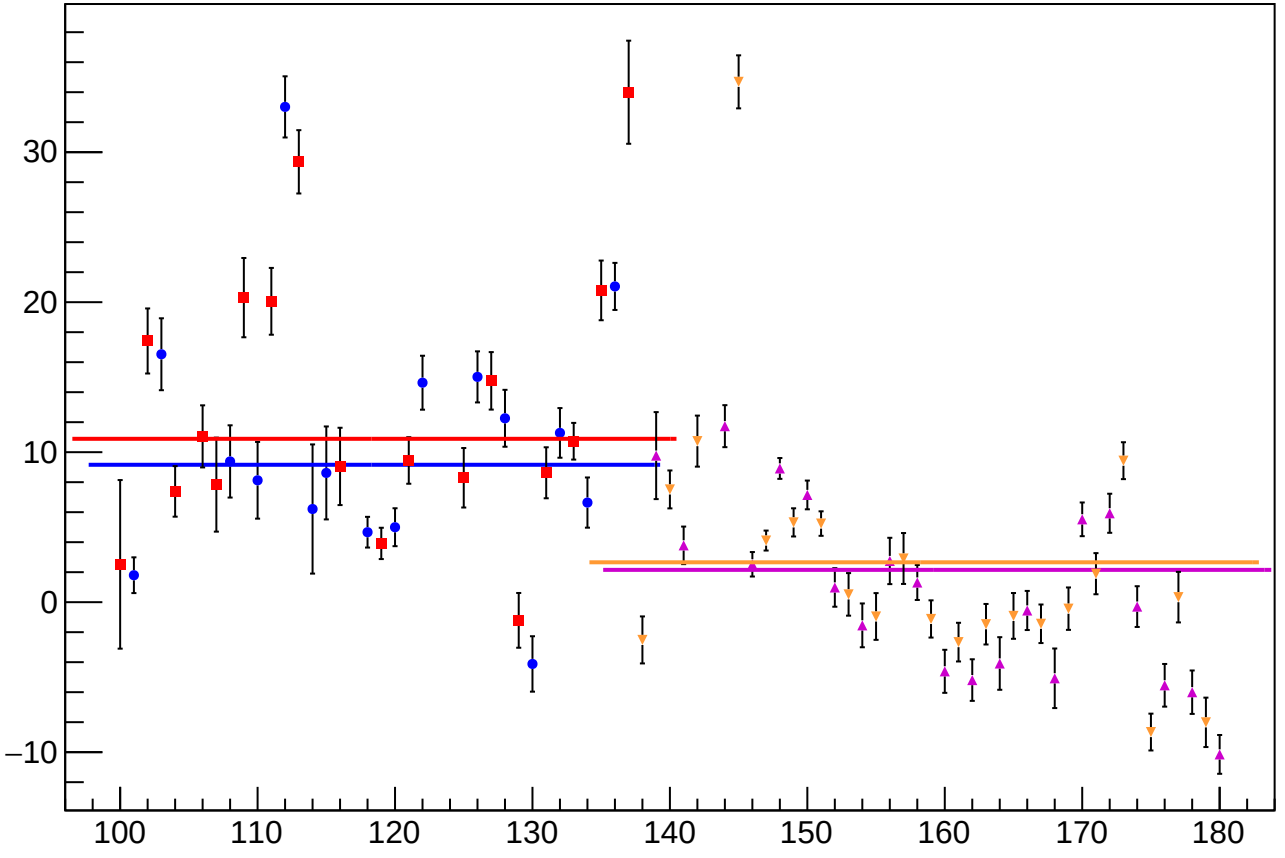
Left In: -70.678+/-0.372 χ^2/NDF:1505.1/20

+ sign -71.689+/-0.288 χ^2/NDF: 3524.7/36

All: -71.862+/-0.201 χ^2/NDF: 6618.8/75

- 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: 2.659+/-0.270 χ^2/NDF:622.6/20

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

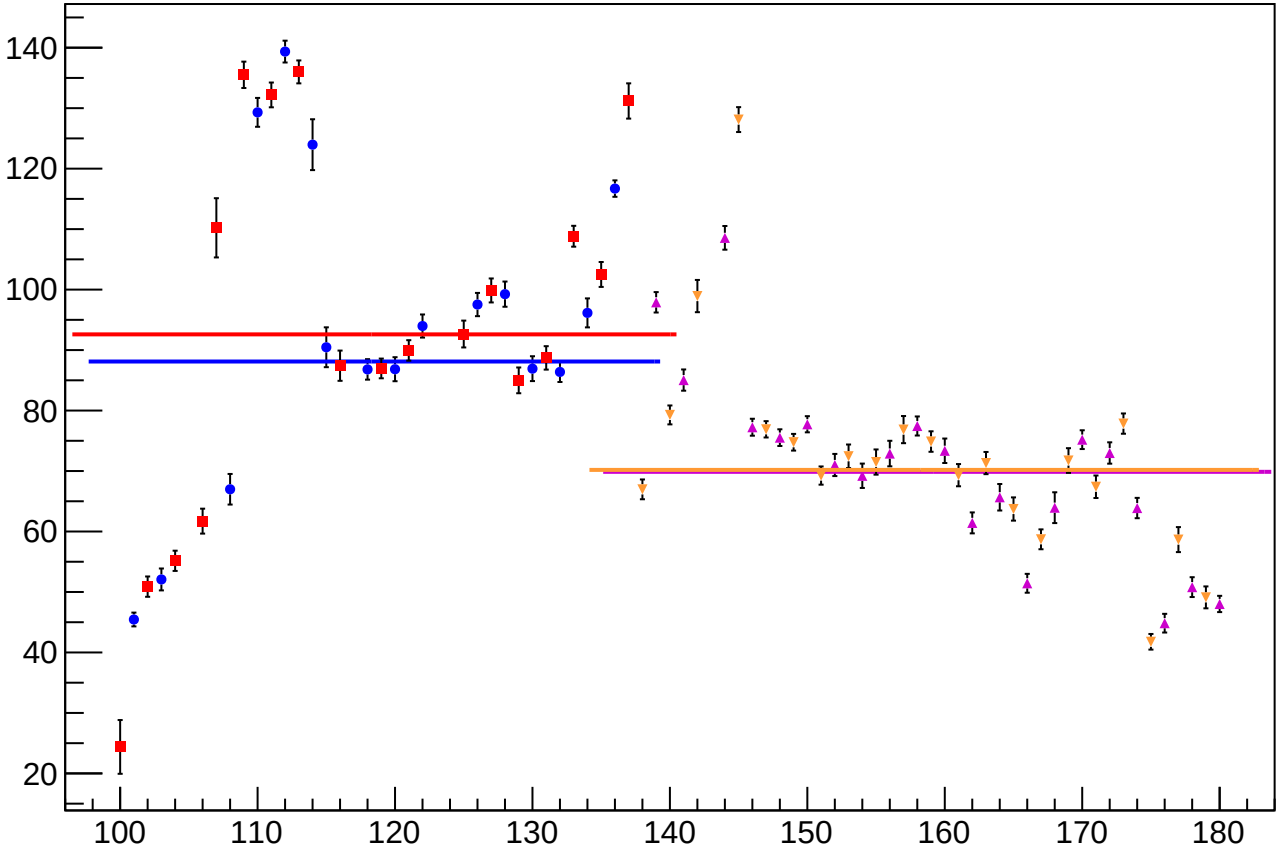
Left In: 2.154+/-0.269 χ^2/NDF:438.1/20

+ sign 4.524+/-0.228 χ^2/NDF: 1141.5/36

All: 4.527+/-0.162 χ^2/NDF: 2156.8/75

- 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: 70.186+/-0.379 χ^2/NDF:1734.2/20

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

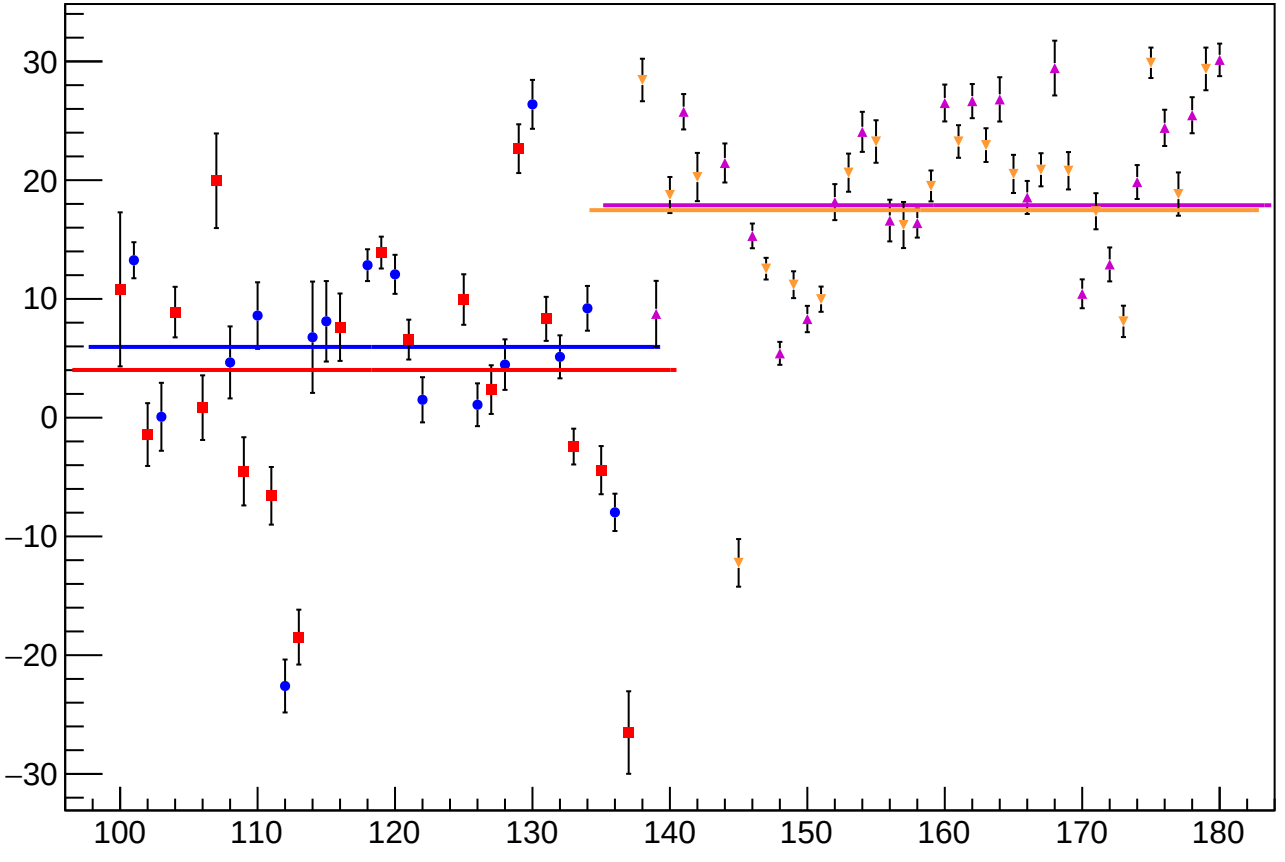
Left In: 69.868+/-0.365 χ^2/NDF:1710.3/20

+ sign 77.267+/-0.295 χ^2/NDF: 6180.9/36

All: 77.707+/-0.207 χ^2/NDF: 12514.4/75

- 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: 17.475+/-0.313 χ^2/NDF:621.2/20

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

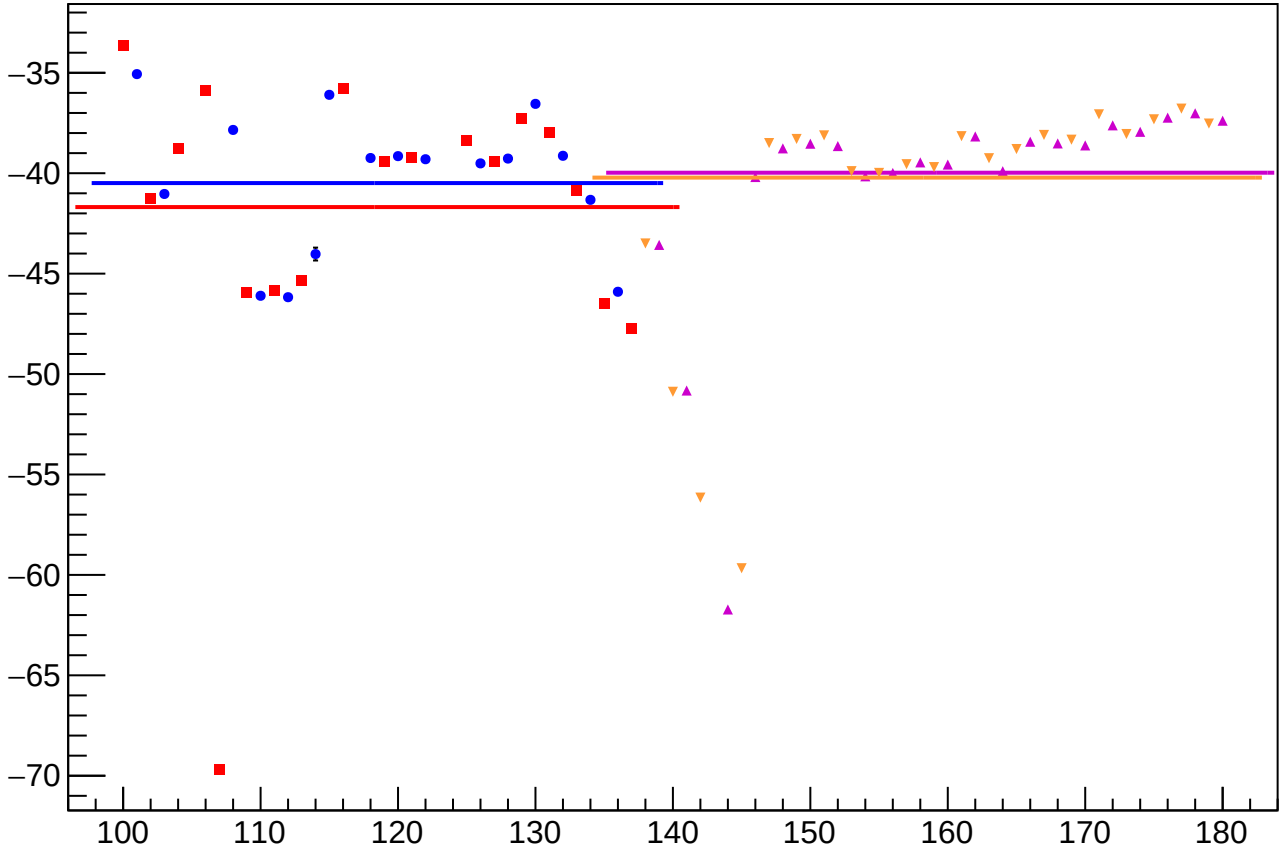
Left In: 17.887+/-0.309 χ^2/NDF:597.2/20

+ sign 14.185+/-0.264 χ^2/NDF: 1435.2/36

All: 14.173+/-0.187 χ^2/NDF: 2991.8/75

- 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: -40.218+/-0.015 χ^2/NDF:120612.5/20

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

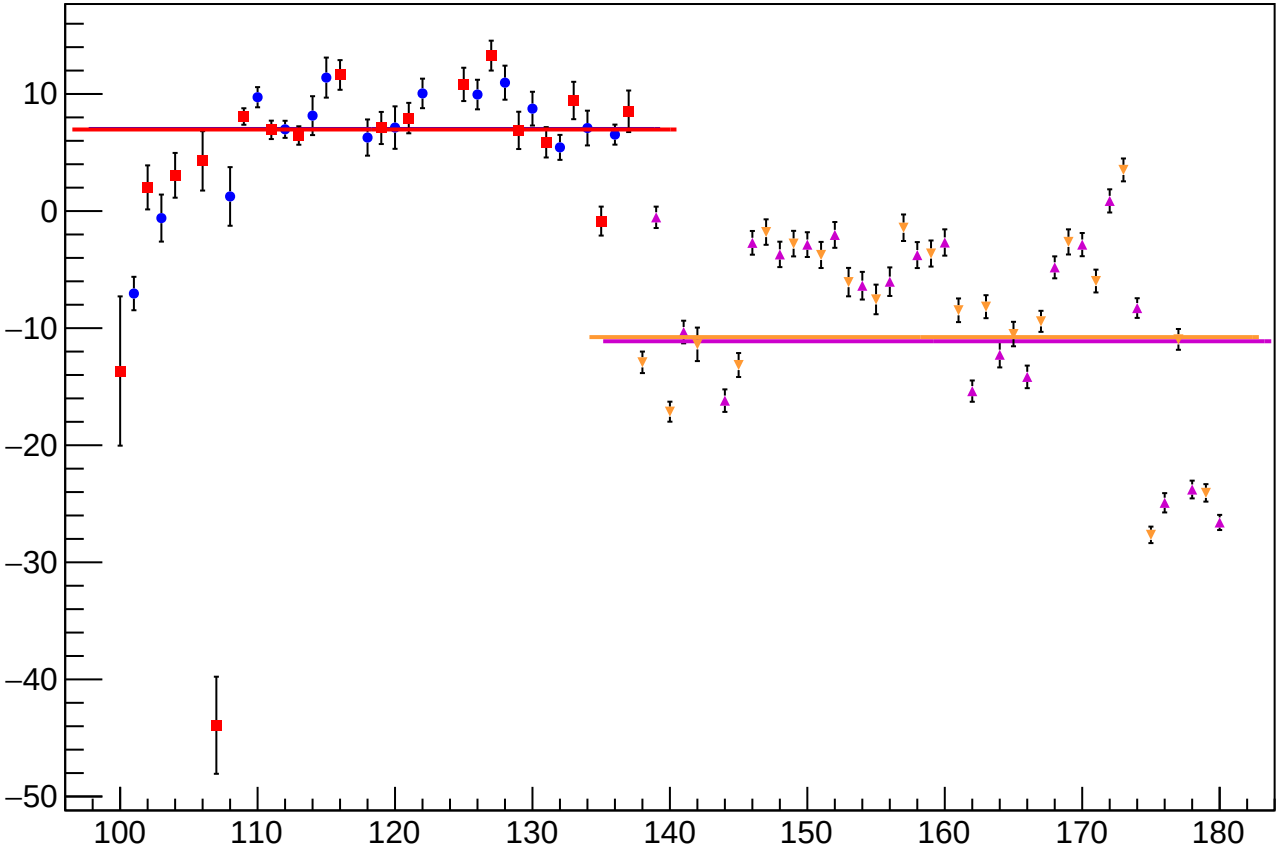
Left In: -39.975+/-0.014 χ^2/NDF:99257.5/20

+ sign -40.275+/-0.013 χ^2/NDF: 138811.0/36

All: -40.286+/-0.009 χ^2/NDF: 277688.1/75

- 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: -10.764+/-0.215 χ^2/NDF:1561.3/20

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

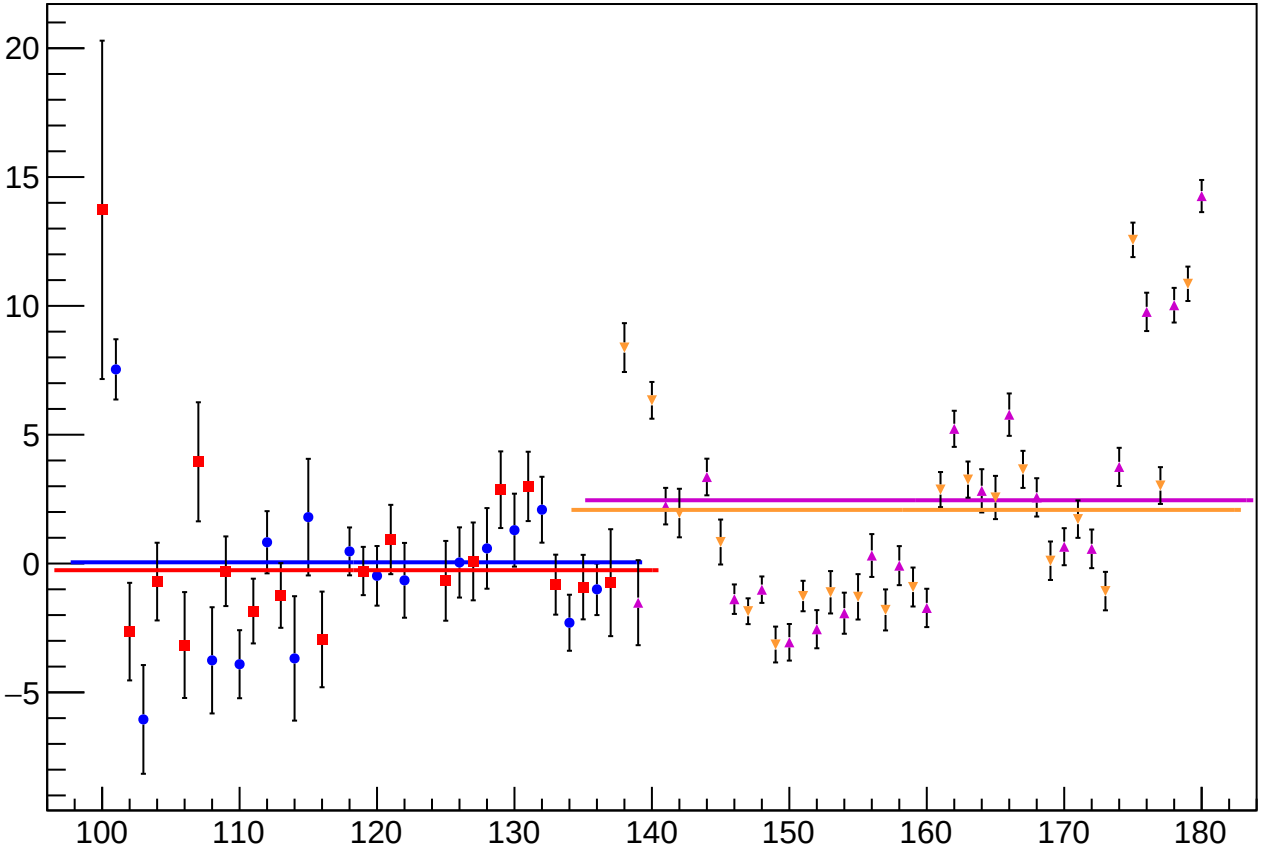
Left In: -11.120+/-0.208 χ^2/NDF:1977.6/20

\+ sign -4.965+/-0.177 χ^2/NDF: 3943.5/36

All: -5.095+/-0.123 χ^2/NDF: 8666.4/75

\- 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: 2.082+/-0.158 χ^2/NDF:755.1/20

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

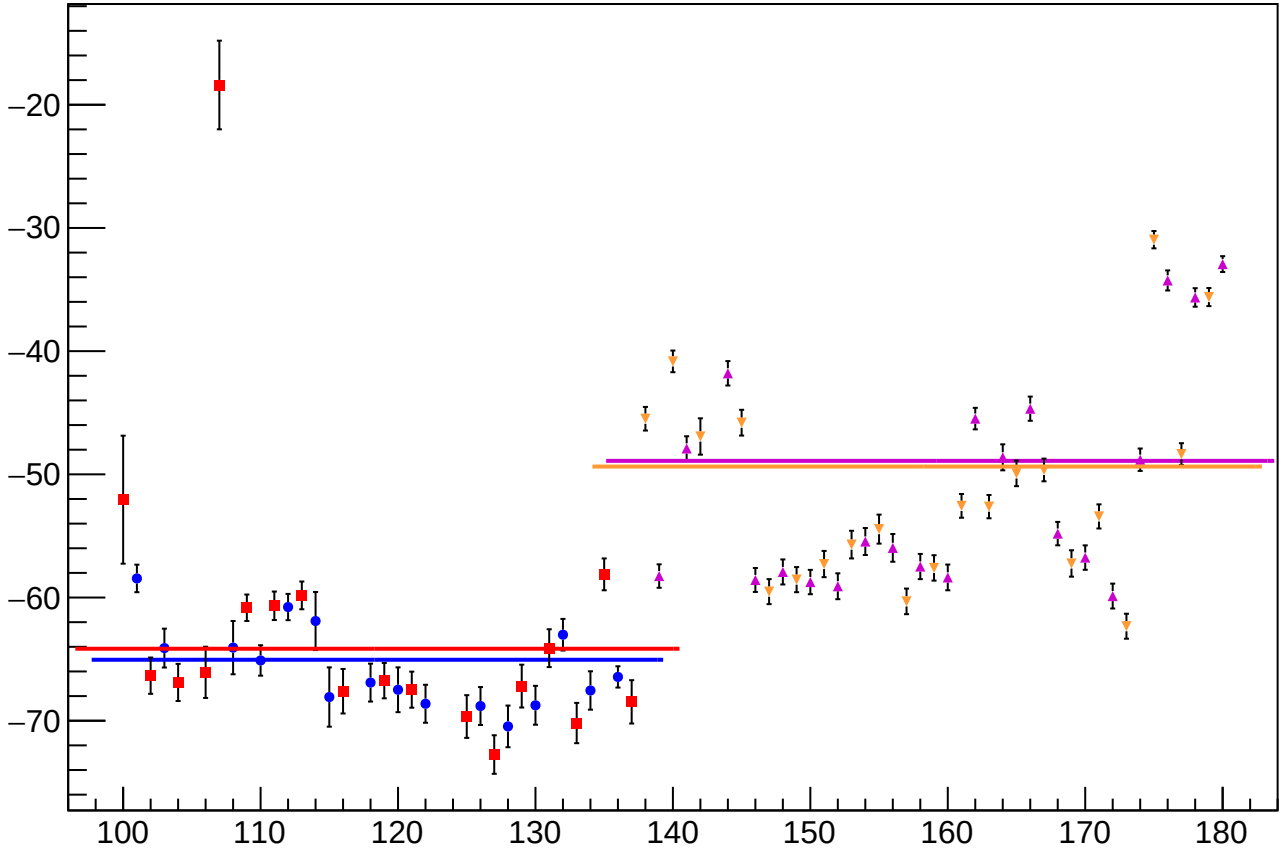
Left In: 2.456+/-0.157 χ^2/NDF:912.9/20

+ sign 1.705+/-0.143 χ^2/NDF: 860.8/36

All: 1.846+/-0.101 χ^2/NDF: 1854.7/75

- 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: -49.368+/-0.212 χ^2/NDF:1883.1/20

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

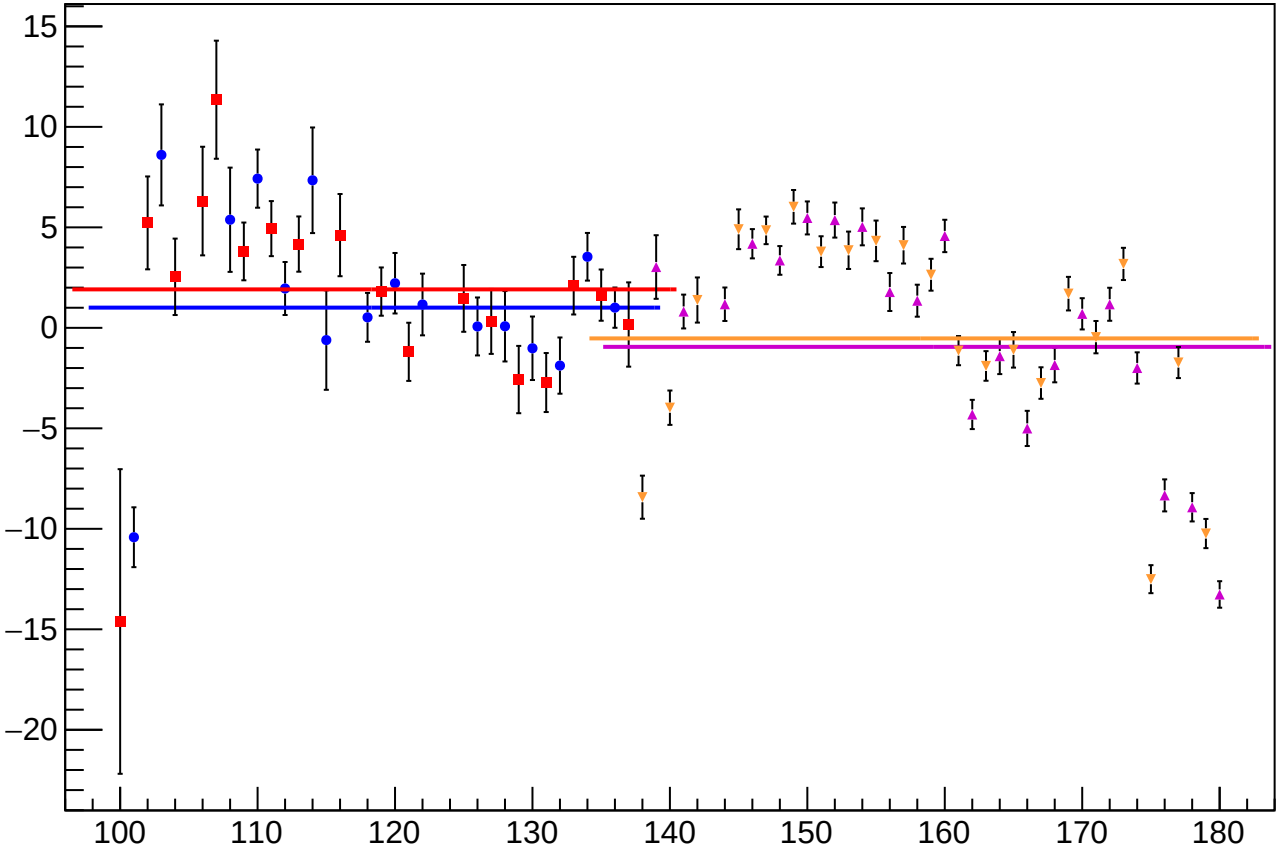
Left In: -48.906+/-0.205 χ^2/NDF:2253.4/20

\+ sign -53.501+/-0.182 χ^2/NDF: 3421.3/36

All: -53.055+/-0.127 χ^2/NDF: 7343.6/75

\- 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: -0.525+/-0.179 χ^2/NDF:862.4/20

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

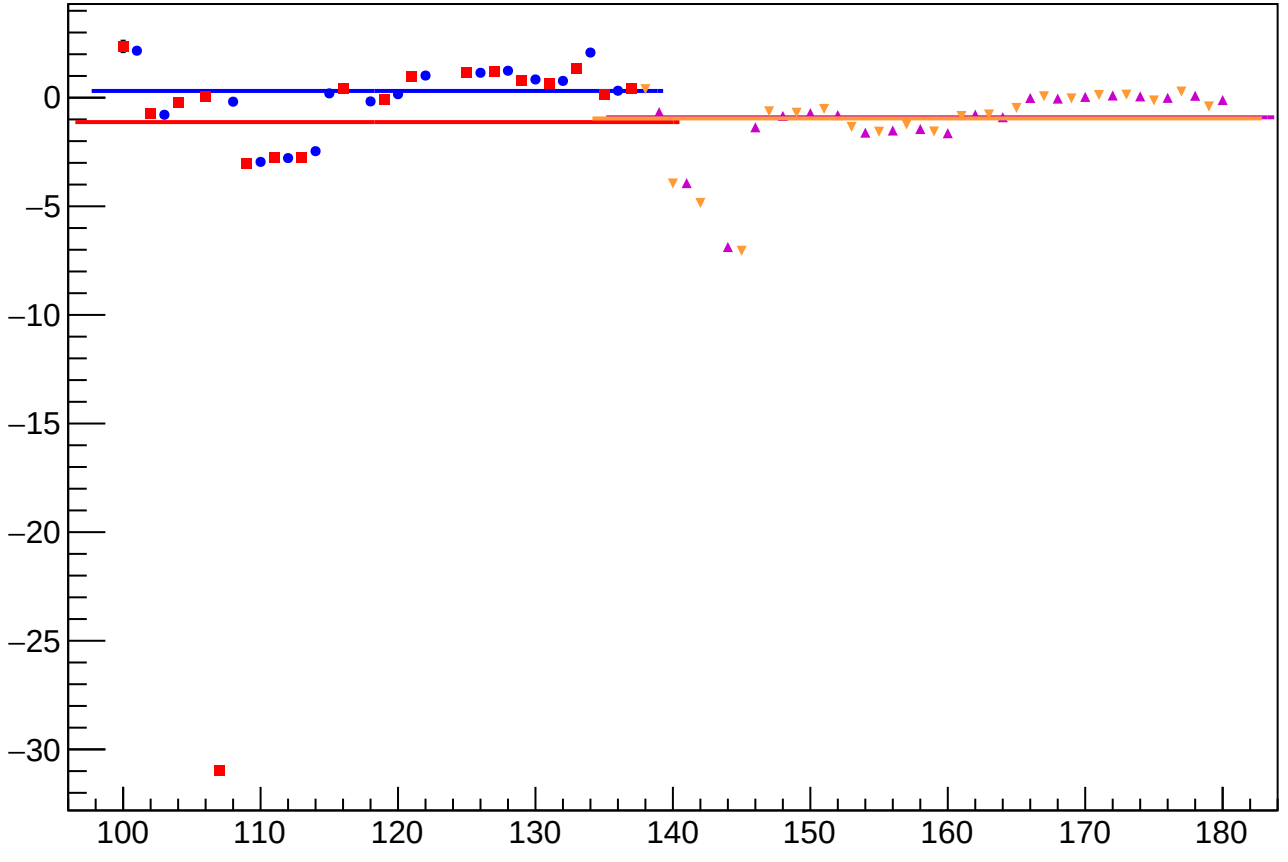
Left In: -0.946+/-0.177 χ^2/NDF:942.2/20

+ sign -0.241+/-0.162 χ^2/NDF: 985.2/36

All: -0.348+/-0.114 χ^2/NDF: 2027.4/75

- 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: -0.954+/-0.008 χ^2/NDF:40205.7/20

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

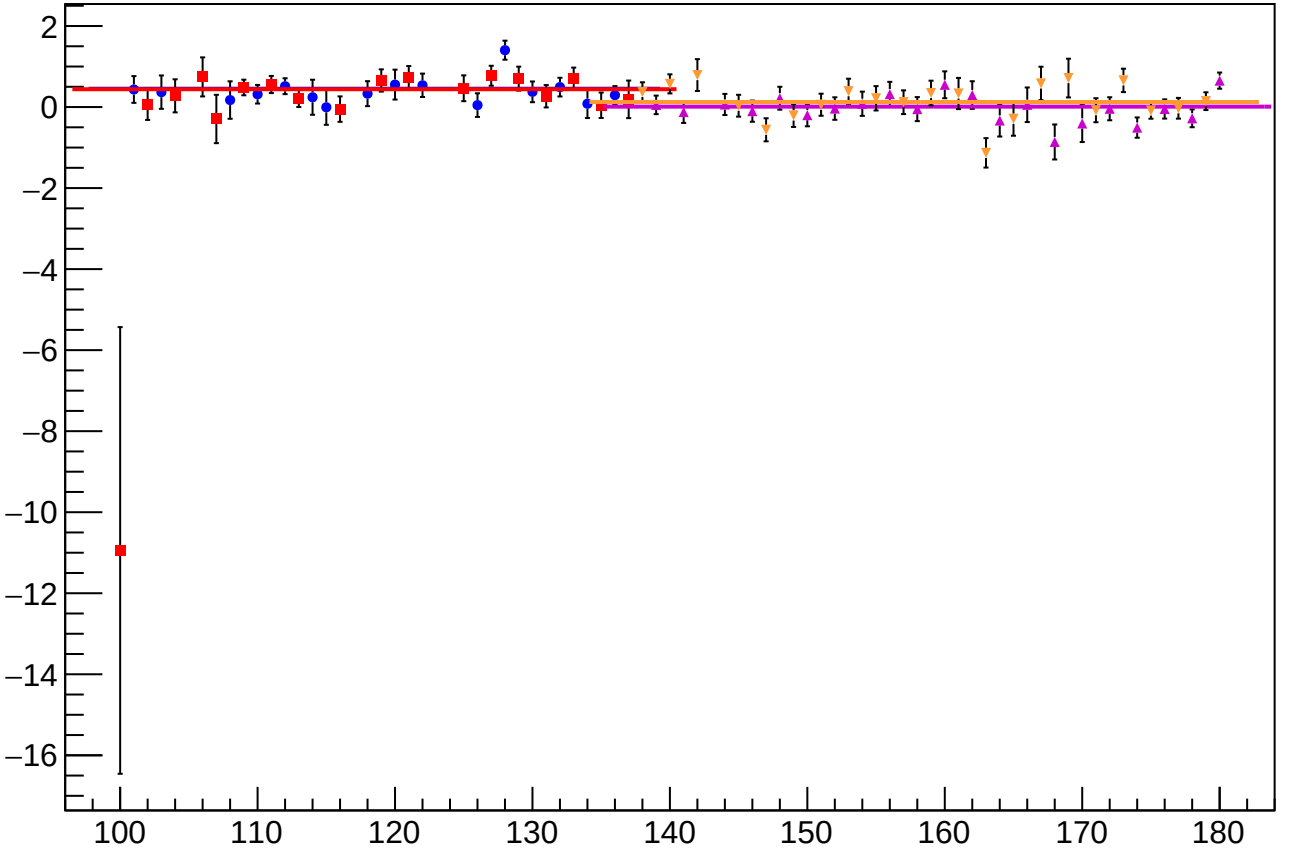
Left In: -0.903+/-0.008 χ^2/NDF:31266.3/20

+ sign -0.793+/-0.008 χ^2/NDF: 48198.7/36

All: -0.861+/-0.005 χ^2/NDF: 126064.0/75

- 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: 0.125+/-0.063 χ^2/NDF:37.6/20

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

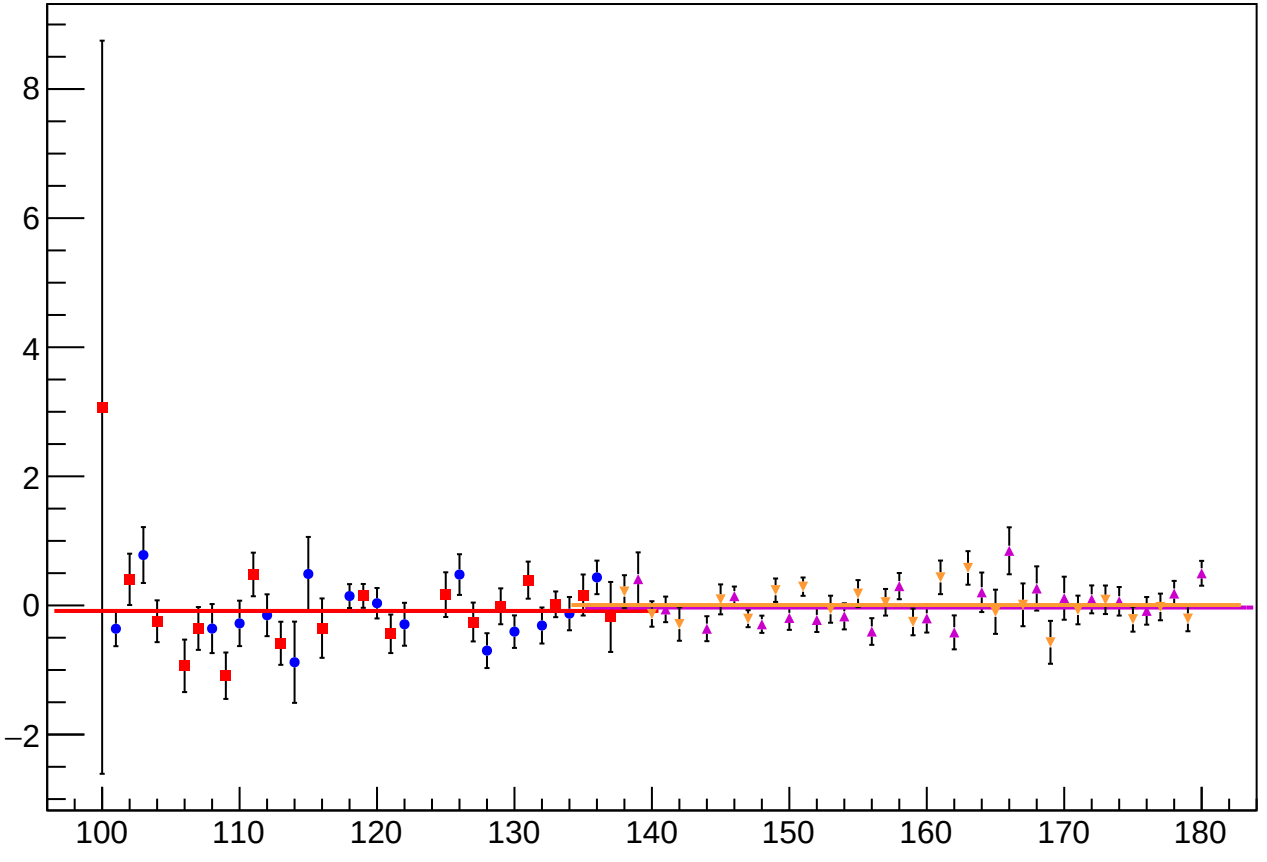
Left In: 0.010+/-0.061 χ^2/NDF:28.2/20

+ sign 0.268+/-0.047 χ^2/NDF: 72.1/36

All: 0.232+/-0.033 χ^2/NDF: 141.5/75

- 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: 0.006+/-0.046 χ^2/NDF:26.7/20

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

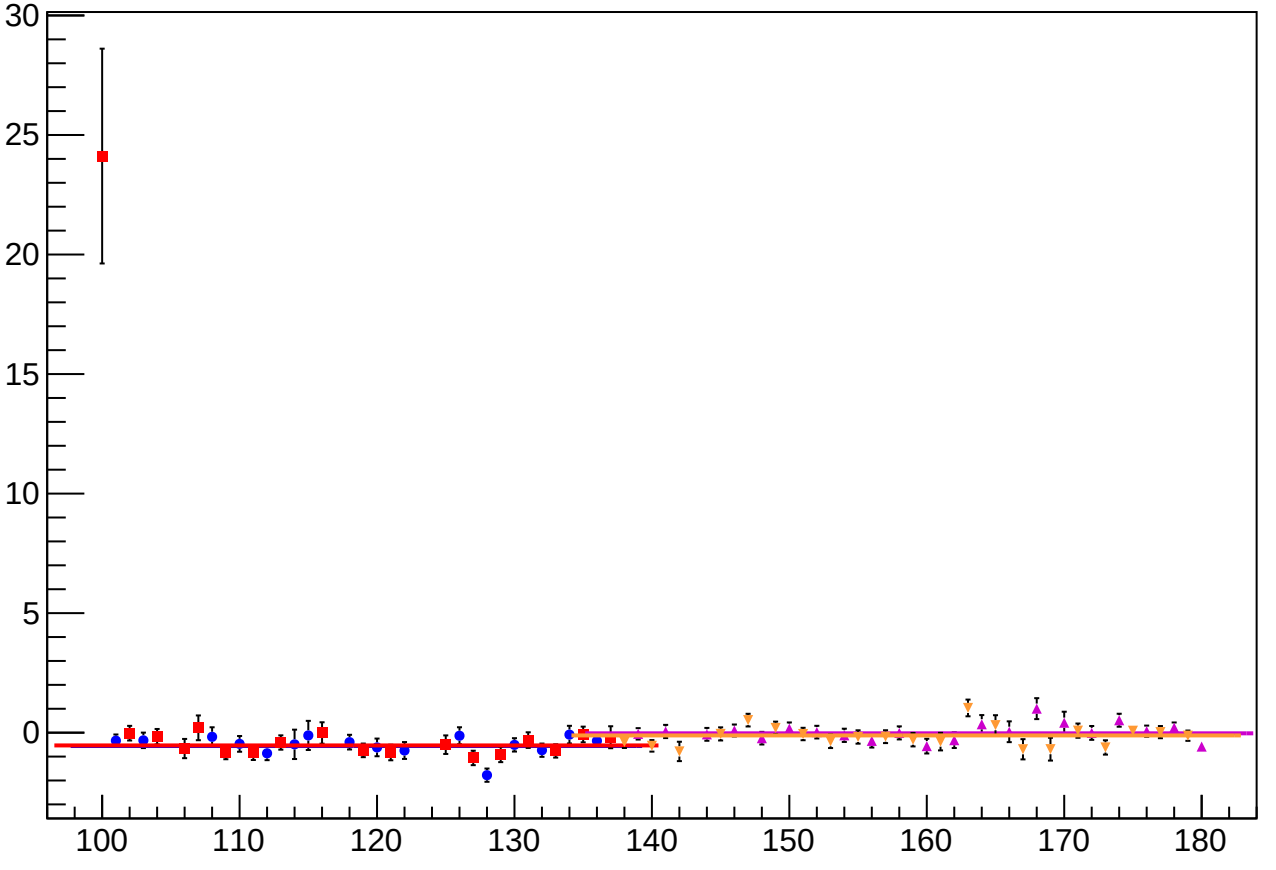
Left In: -0.033+/-0.046 χ^2/NDF:36.9/20

+ sign -0.020+/-0.039 χ^2/NDF: 53.2/36

All: -0.034+/-0.027 χ^2/NDF: 118.6/75

- 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: -0.115+/-0.062 χ^2/NDF:35.9/20

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

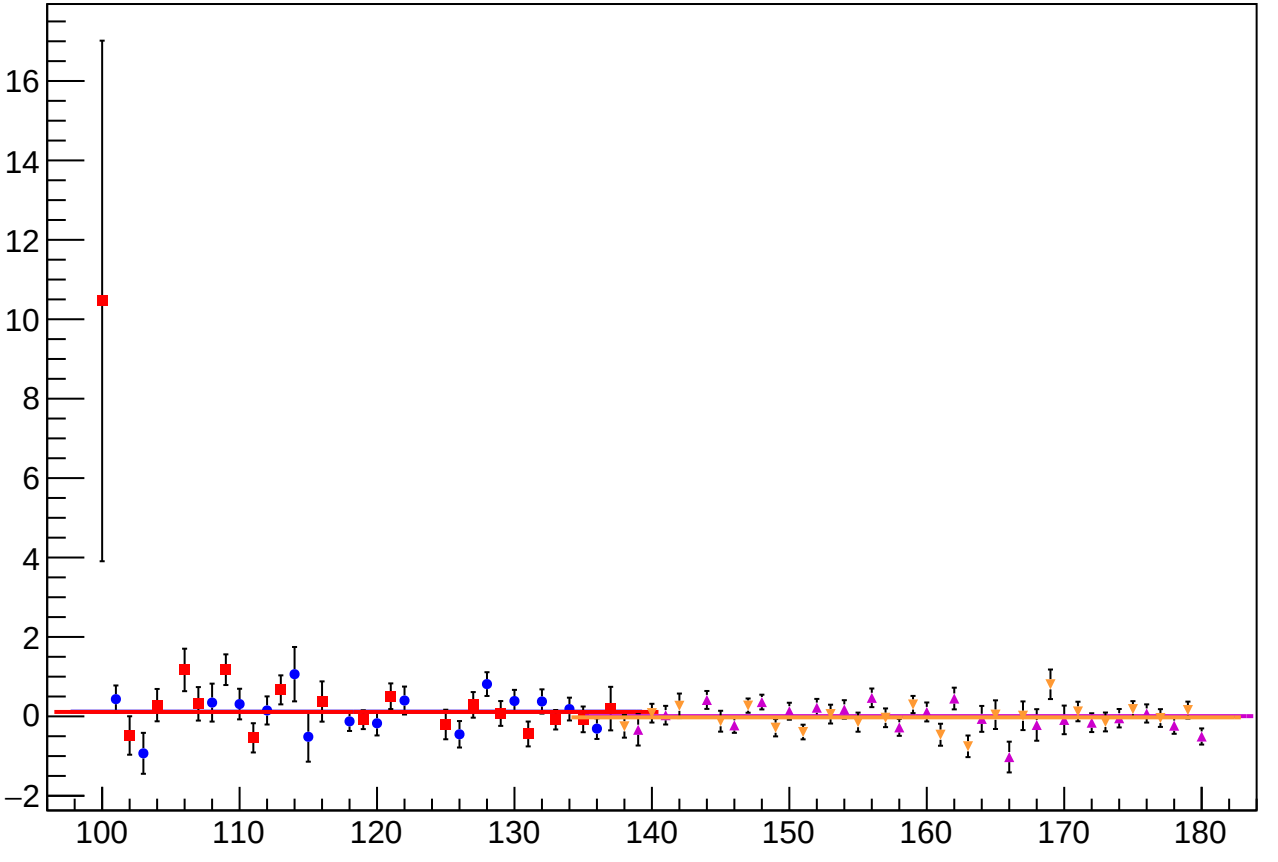
Left In: -0.027+/-0.060 χ^2/NDF:27.4/20

+ sign -0.281+/-0.049 χ^2/NDF: 83.6/36

All: -0.245+/-0.034 χ^2/NDF: 186.6/75

- 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: -0.025+/-0.053 χ^2/NDF:29.7/20

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

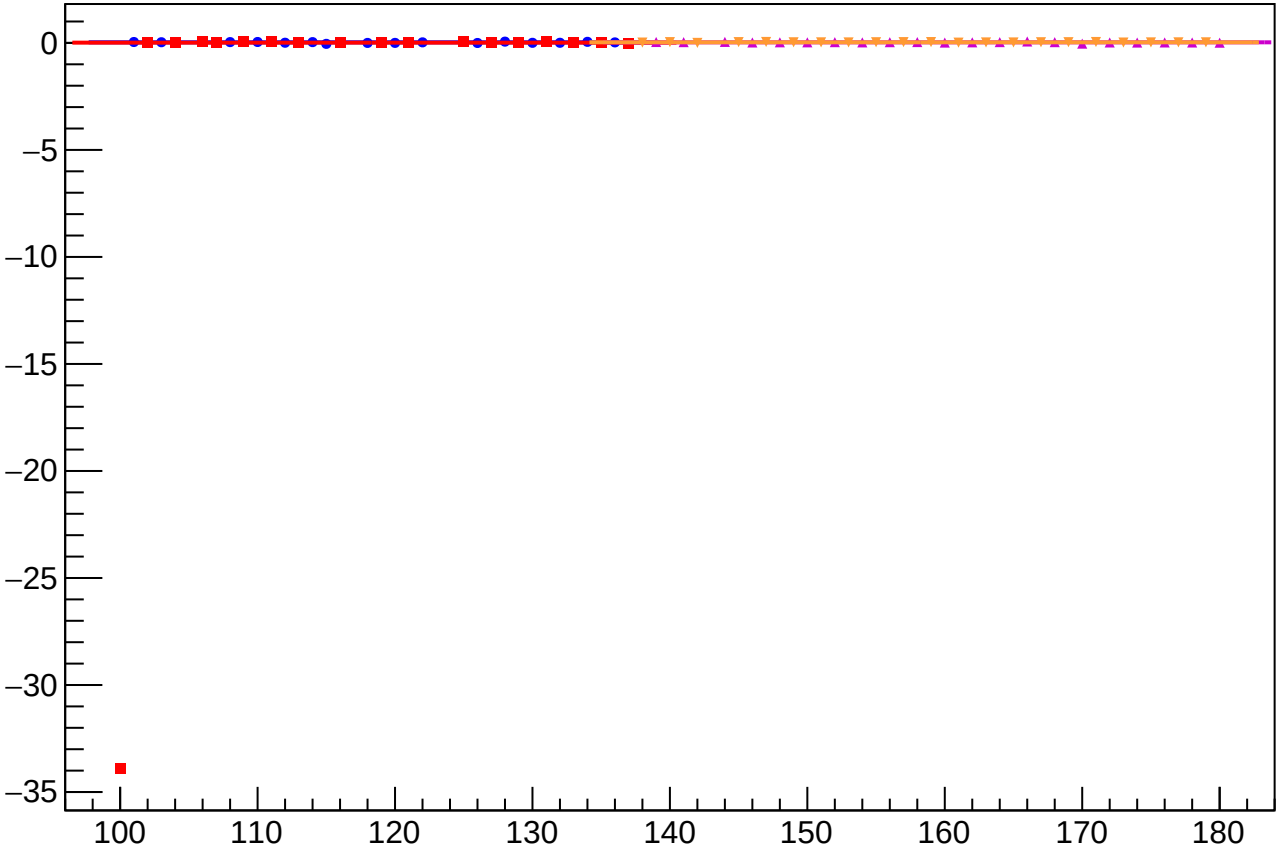
Left In: 0.005+/-0.052 χ^2/NDF:35.3/20

+ sign 0.016+/-0.045 χ^2/NDF: 55.4/36

All: 0.025+/-0.031 χ^2/NDF: 120.9/75

- 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: 0.028+/-0.002 χ^2/NDF:15.1/20

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

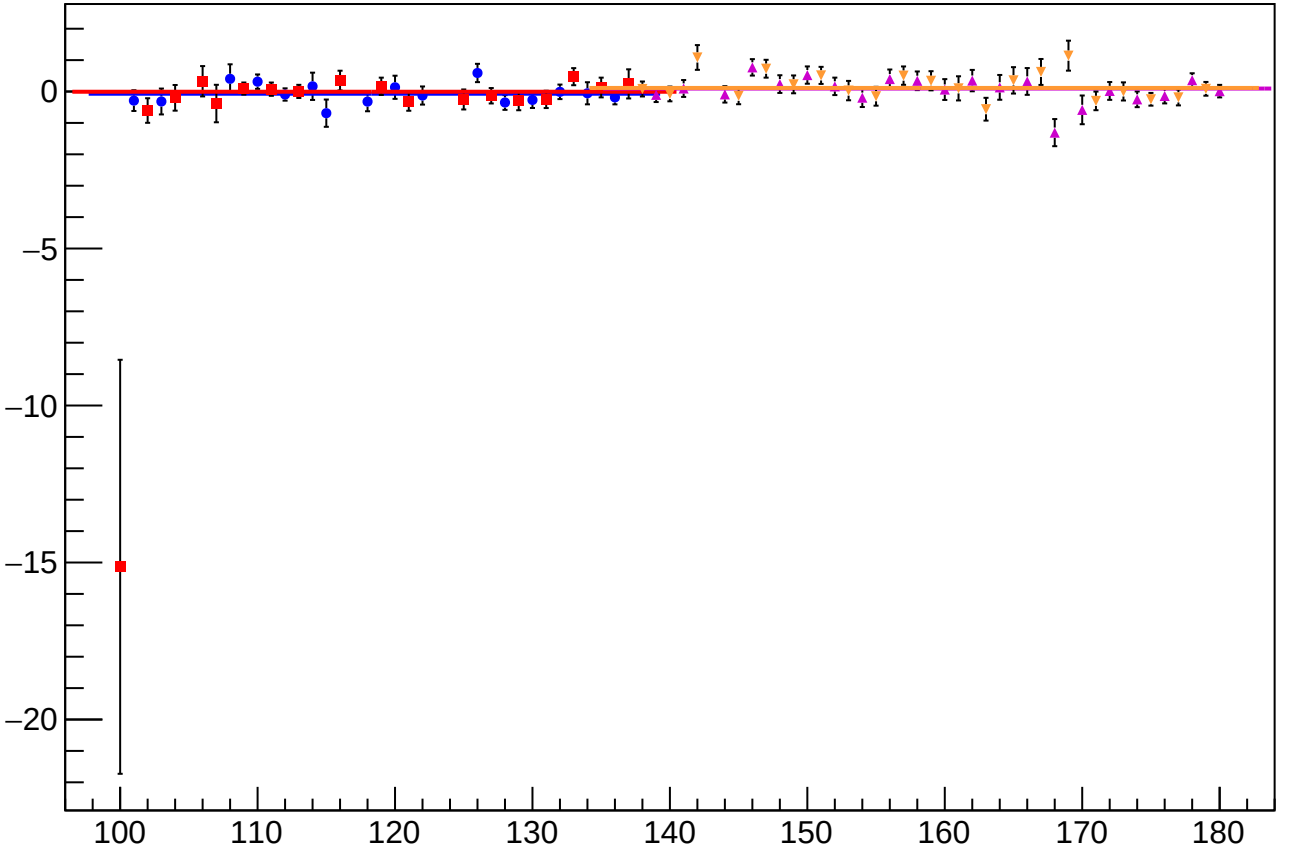
Left In: 0.027+/-0.002 χ^2/NDF:37.6/20

+ sign 0.028+/-0.002 χ^2/NDF: 29.8/36

All: 0.026+/-0.001 χ^2/NDF: 22338.7/75

- 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: 0.114+/-0.063 χ^2/NDF:34.4/20

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

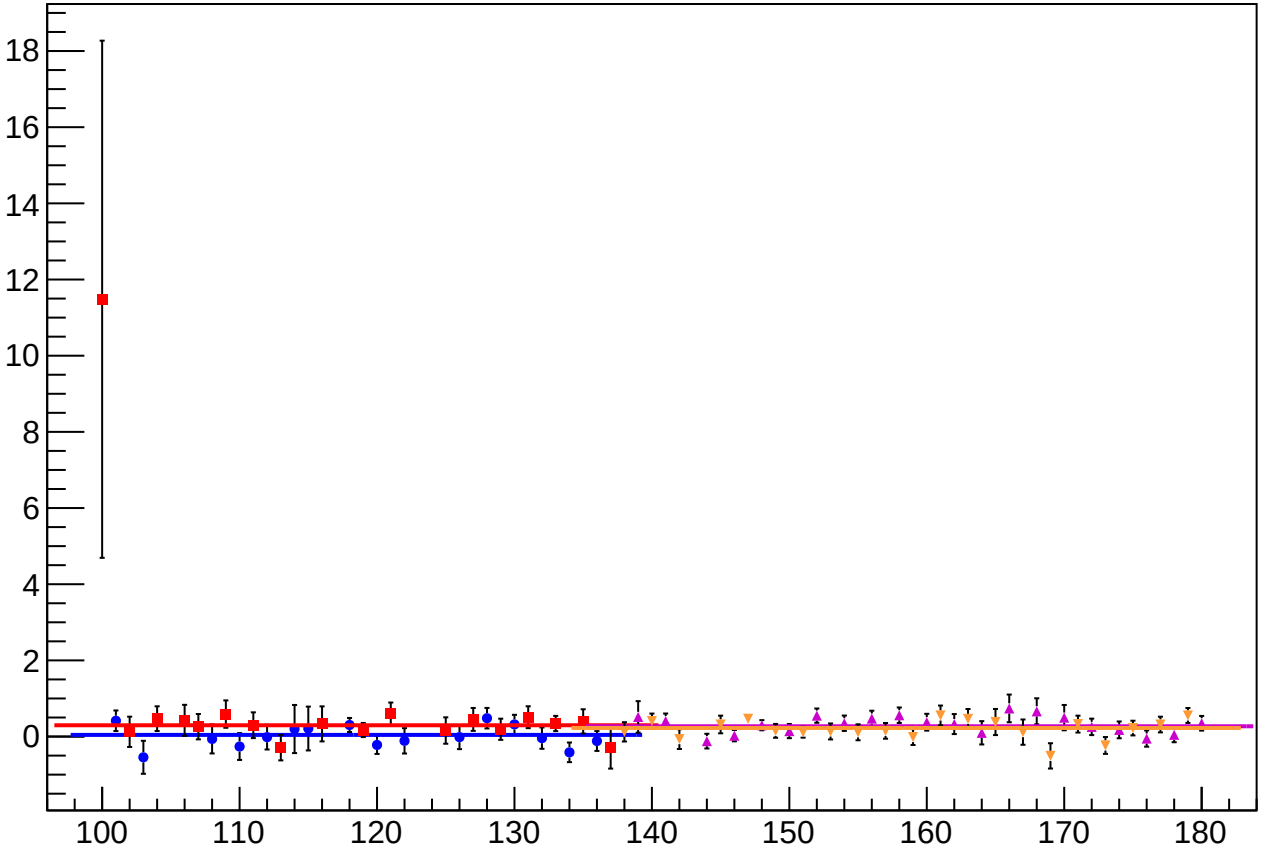
Left In: 0.094+/-0.061 χ^2/NDF:31.5/20

+ sign 0.033+/-0.047 χ^2/NDF: 53.7/36

All: 0.042+/-0.033 χ^2/NDF: 104.6/75

- 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: 0.225+/-0.046 χ^2/NDF:23.7/20

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

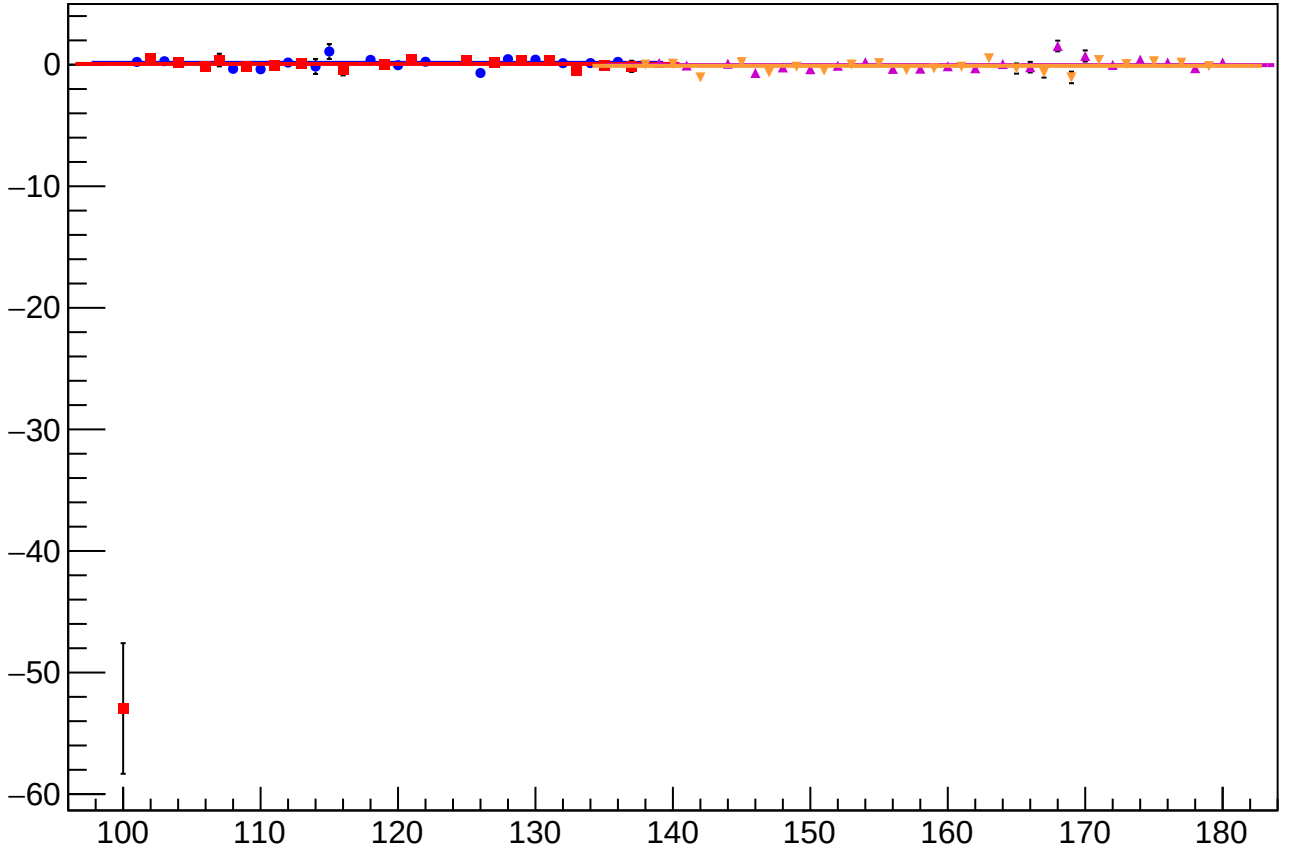
Left In: 0.270+/-0.046 χ^2/NDF:21.5/20

+ sign 0.174+/-0.039 χ^2/NDF: 43.9/36

All: 0.226+/-0.027 χ^2/NDF: 80.0/75

- 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: -0.093+/-0.062 χ^2/NDF:33.1/20

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

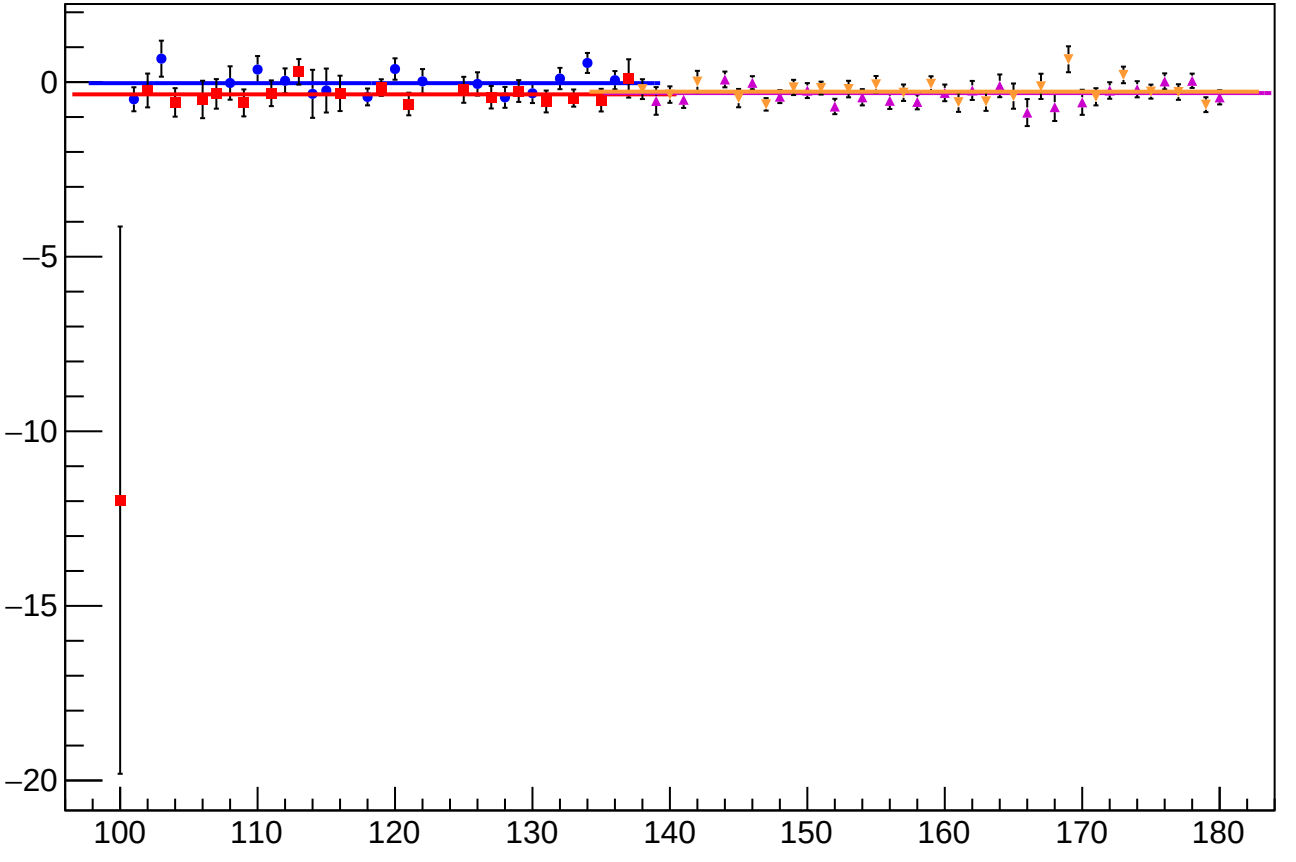
Left In: -0.034+/-0.060 χ^2/NDF:35.4/20

+ sign -0.001+/-0.049 χ^2/NDF: 54.7/36

All: 0.000+/-0.034 χ^2/NDF: 200.4/75

- 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: -0.274+/-0.053 χ^2/NDF:24.5/20

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

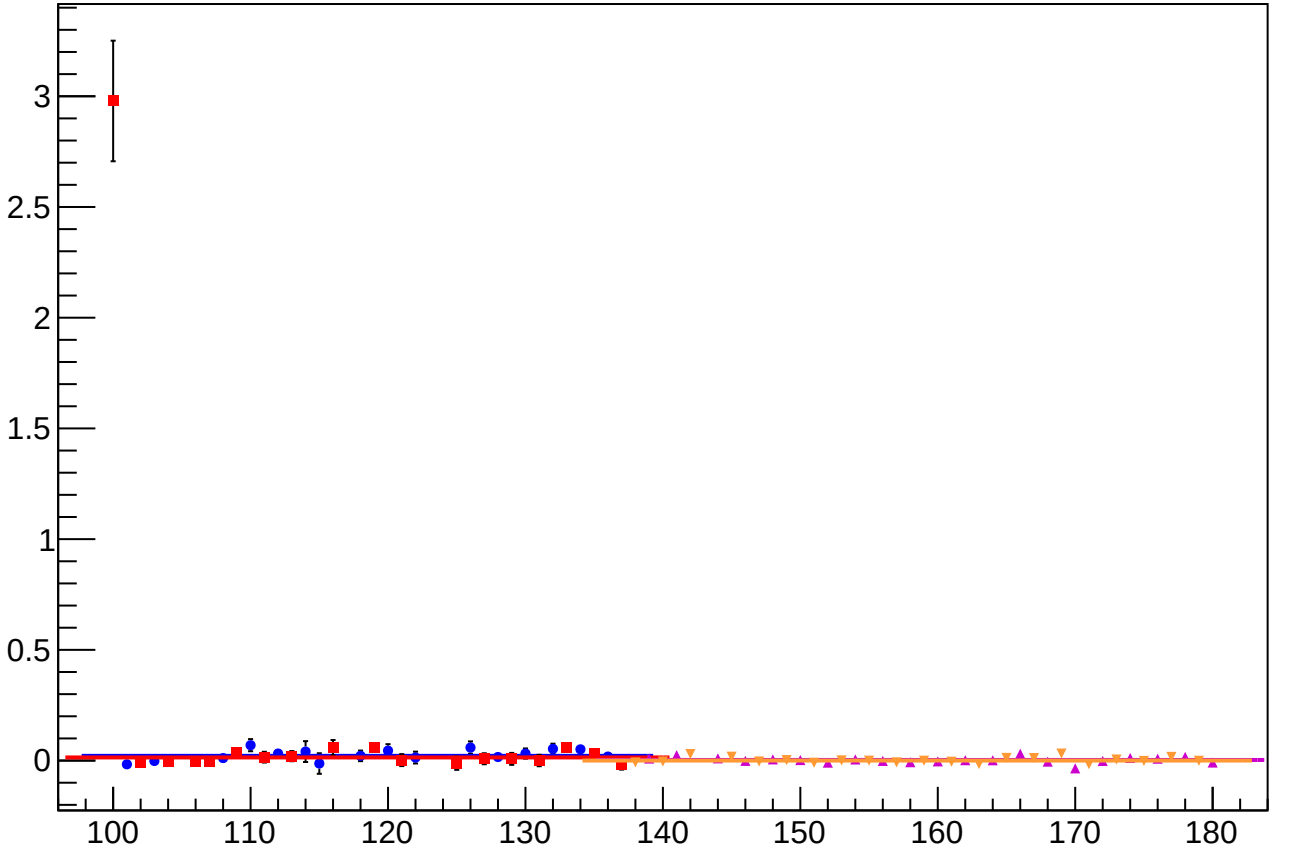
Left In: -0.314+/-0.052 χ^2/NDF:22.3/20

+ sign -0.205+/-0.045 χ^2/NDF: 47.3/36

All: -0.265+/-0.031 χ^2/NDF: 82.8/75

- 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:21.3/20

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

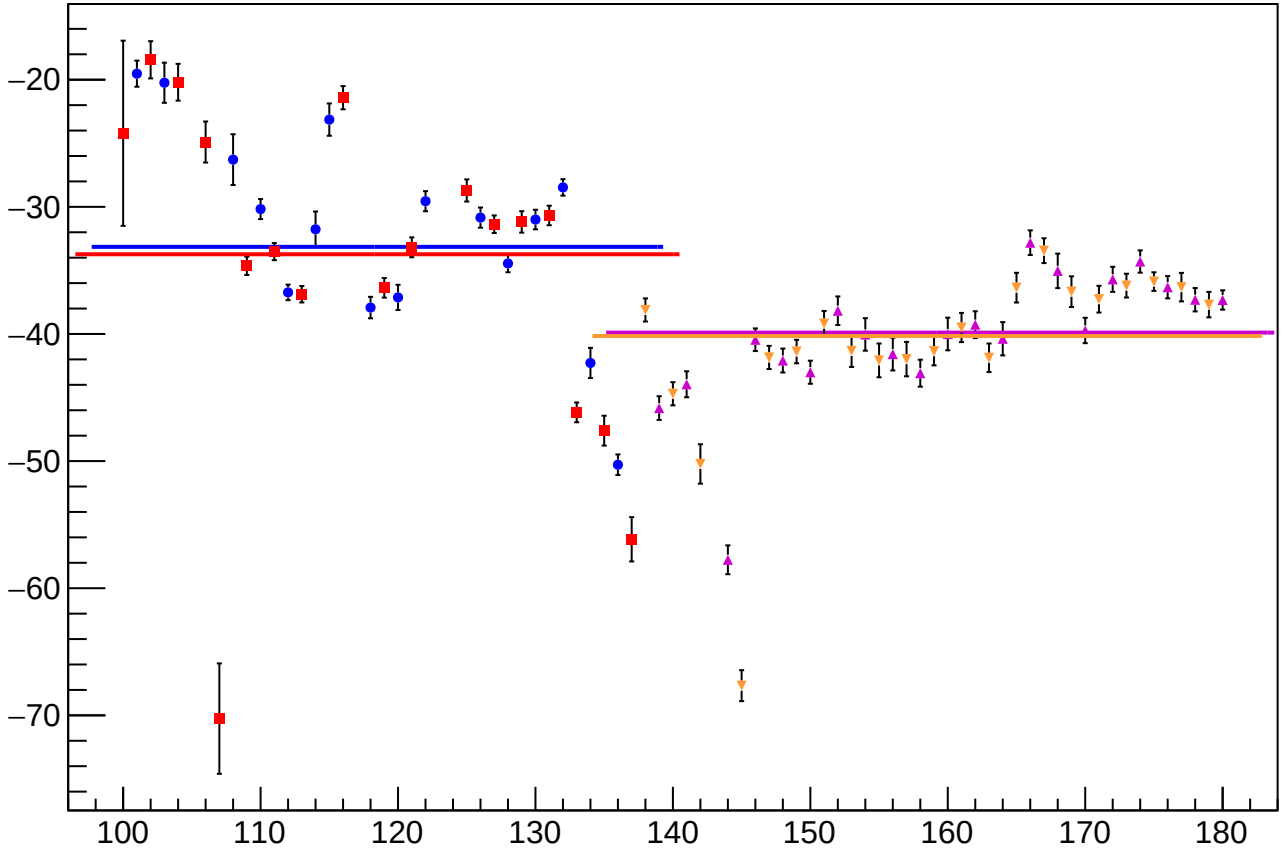
Left In: 0.003+/-0.002 χ^2/NDF:21.9/20

+ sign 0.004+/-0.002 χ^2/NDF: 59.3/36

All: 0.005+/-0.001 χ^2/NDF: 226.6/75

- 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: -40.160+/-0.228 χ^2/NDF:741.0/20

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

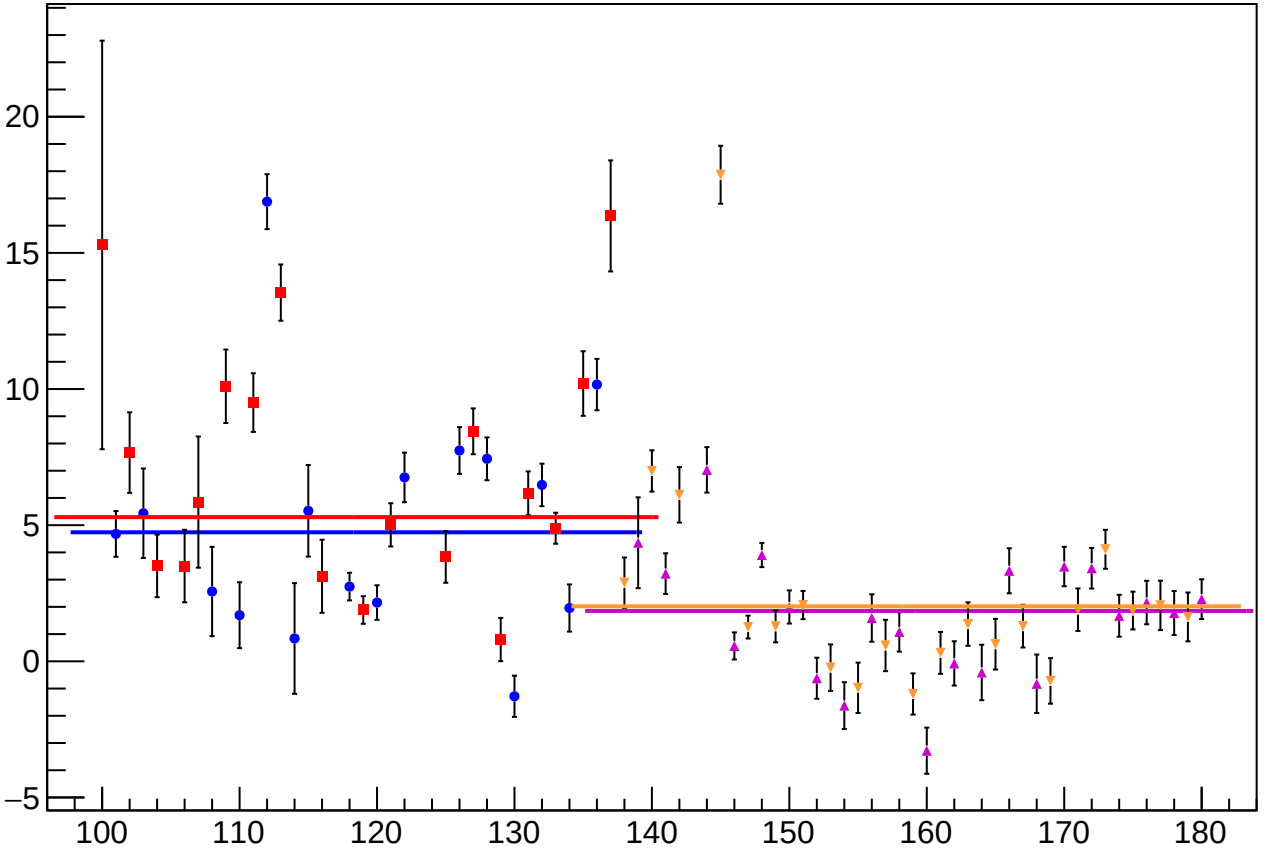
Left In: -39.893+/-0.220 χ^2/NDF:496.7/20

+ sign -36.489+/-0.158 χ^2/NDF: 2247.9/36

All: -36.616+/-0.110 χ^2/NDF: 4295.6/75

- 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: 2.020+/-0.162 χ^2/NDF:352.9/20

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

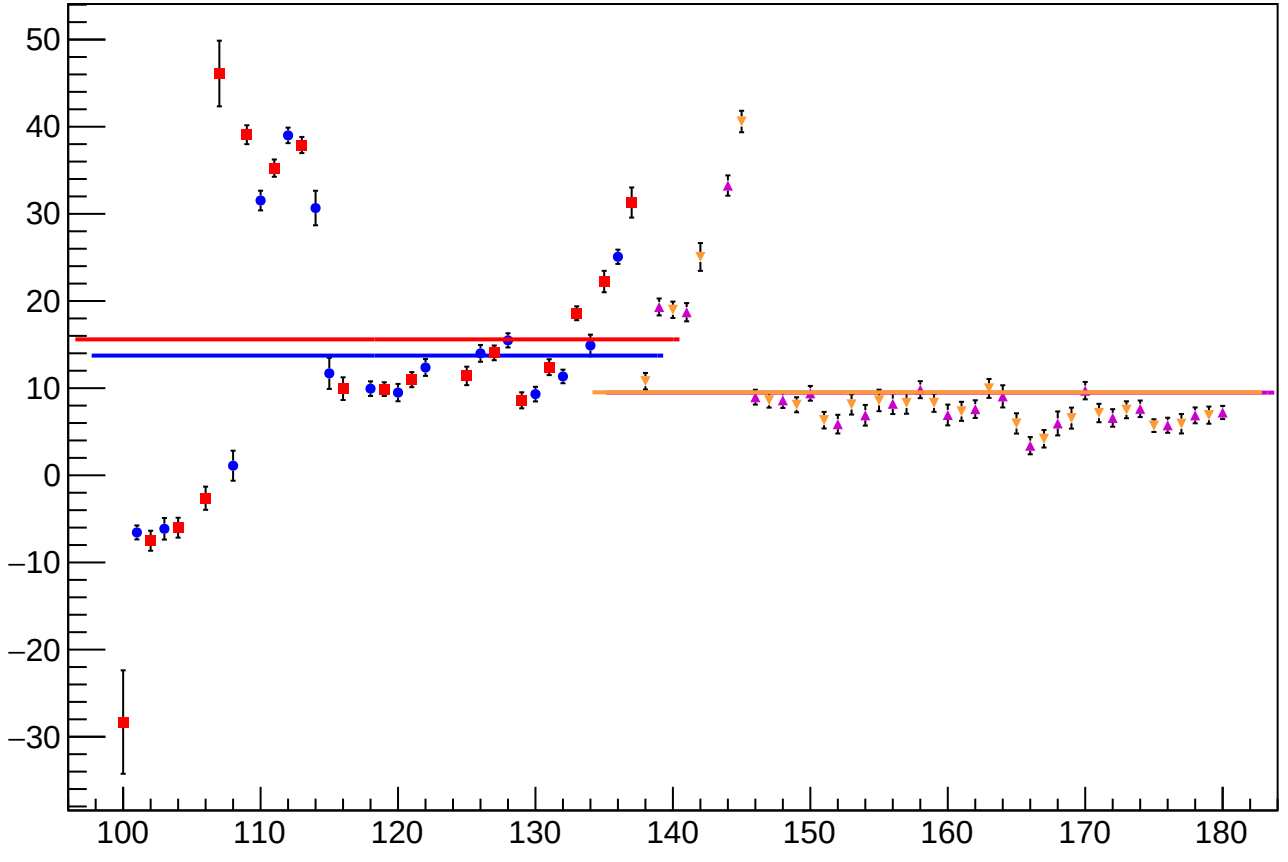
Left In: 1.850+/-0.162 χ^2/NDF:167.2/20

+ sign 2.981+/-0.130 χ^2/NDF: 781.9/36

All: 3.007+/-0.092 χ^2/NDF: 1350.3/75

- 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: 9.522+/-0.224 χ^2/NDF:956.2/20

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

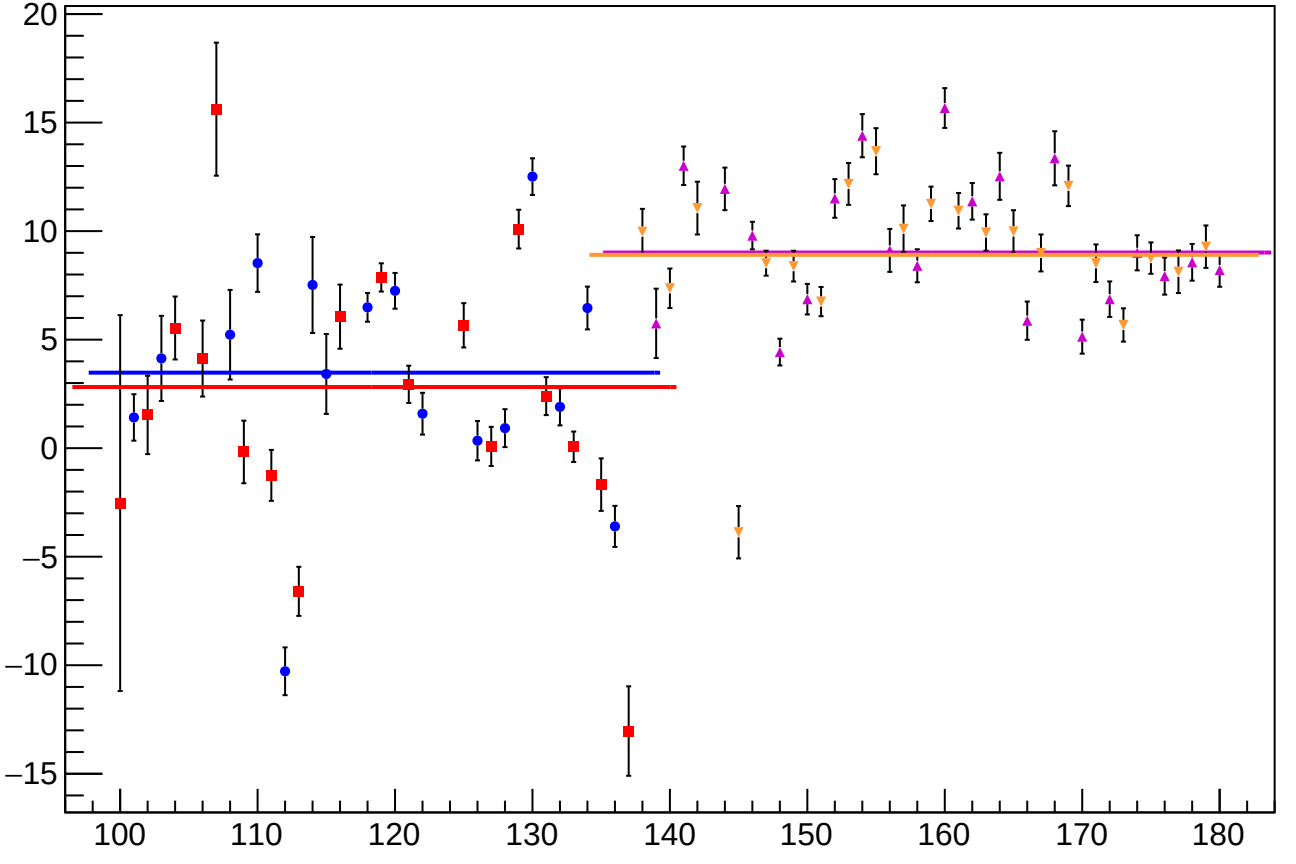
Left In: 9.487+/-0.217 χ^2/NDF:714.3/20

\+ sign 11.429+/-0.166 χ^2/NDF: 3466.0/36

All: 11.772+/-0.117 χ^2/NDF: 7356.4/75

\- 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: 8.908+/-0.187 χ^2/NDF:211.4/20

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

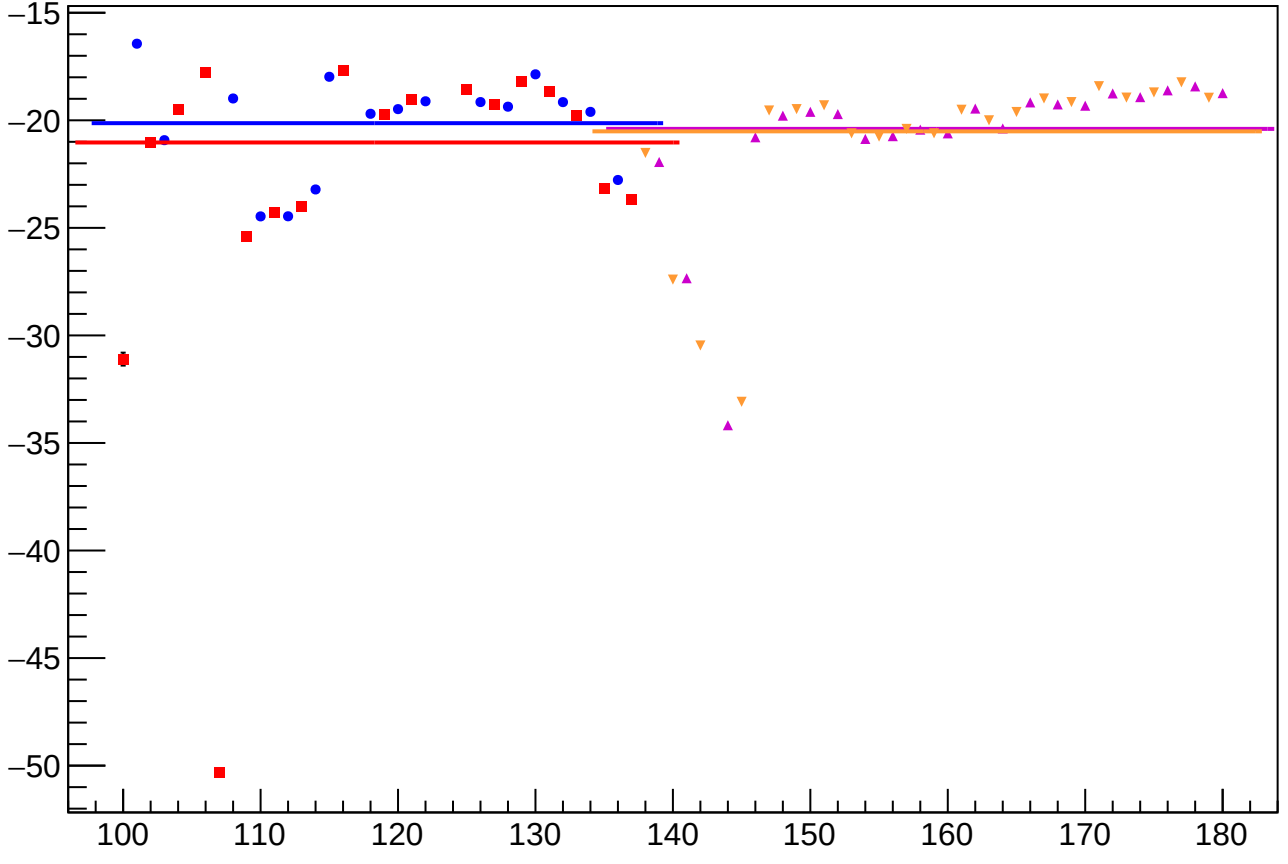
Left In: 9.014+/-0.185 χ^2/NDF:267.5/20

\+ sign 6.997+/-0.150 χ^2/NDF: 935.9/36

All: 6.952+/-0.106 χ^2/NDF: 1931.8/75

\- 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: -20.513+/-0.009 χ^2/NDF:137410.2/20

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

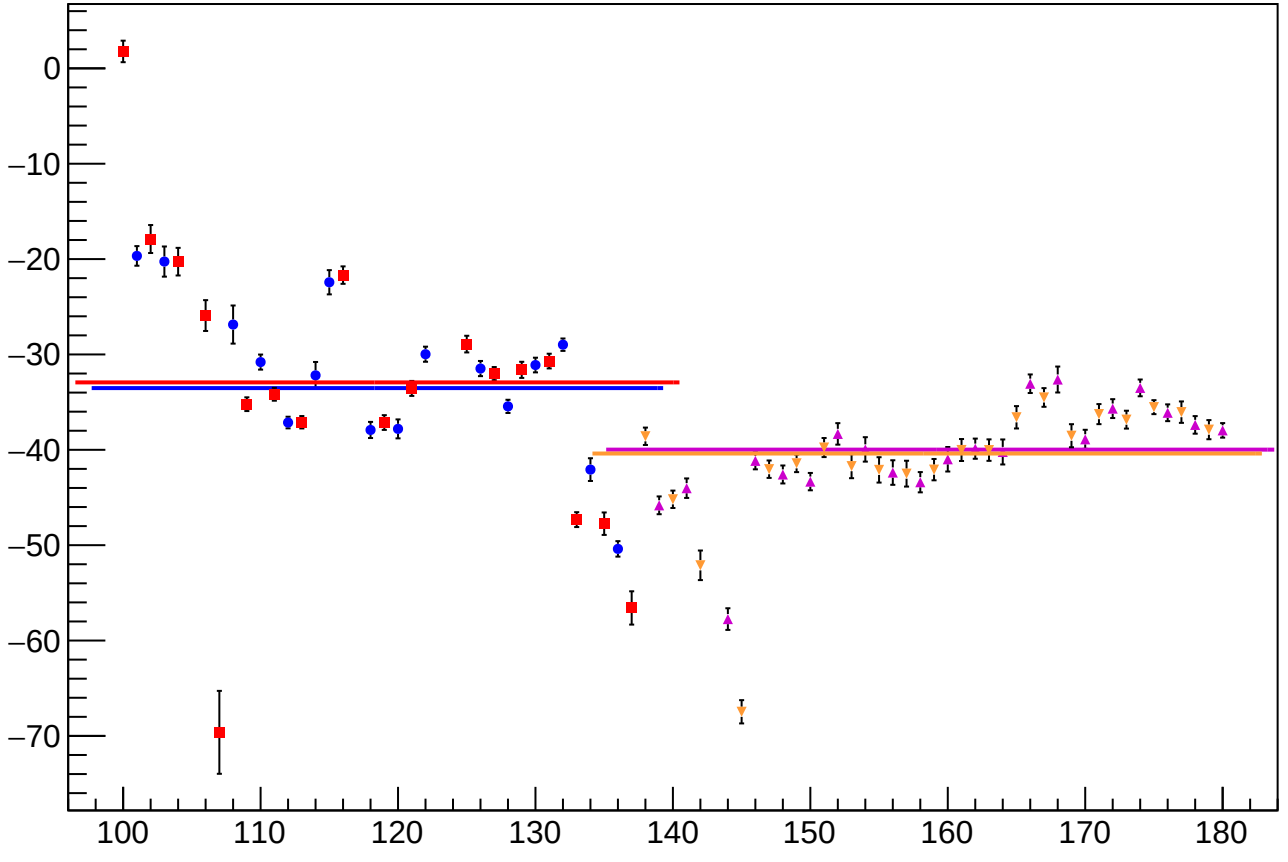
Left In: -20.398+/-0.008 χ^2/NDF:113131.2/20

+ sign -20.428+/-0.008 χ^2/NDF: 157678.4/36

All: -20.478+/-0.005 χ^2/NDF: 329596.1/75

- 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: -40.389+/-0.229 χ^2/NDF:737.8/20

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

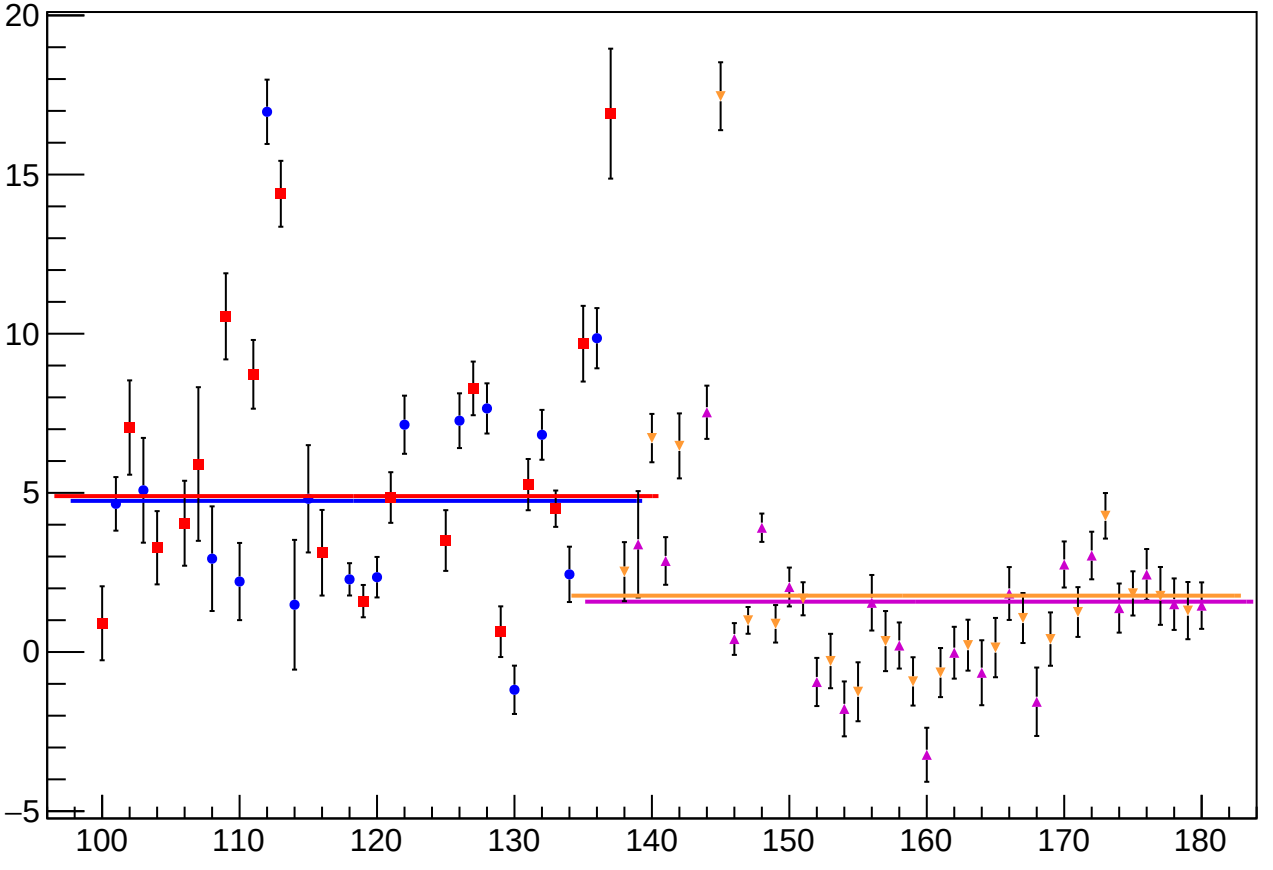
Left In: -39.981+/-0.221 χ^2/NDF:527.3/20

+ sign -36.798+/-0.158 χ^2/NDF: 2216.6/36

All: -36.545+/-0.110 χ^2/NDF: 5450.8/75

- 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: 1.771+/-0.162 χ^2/NDF:350.9/20

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

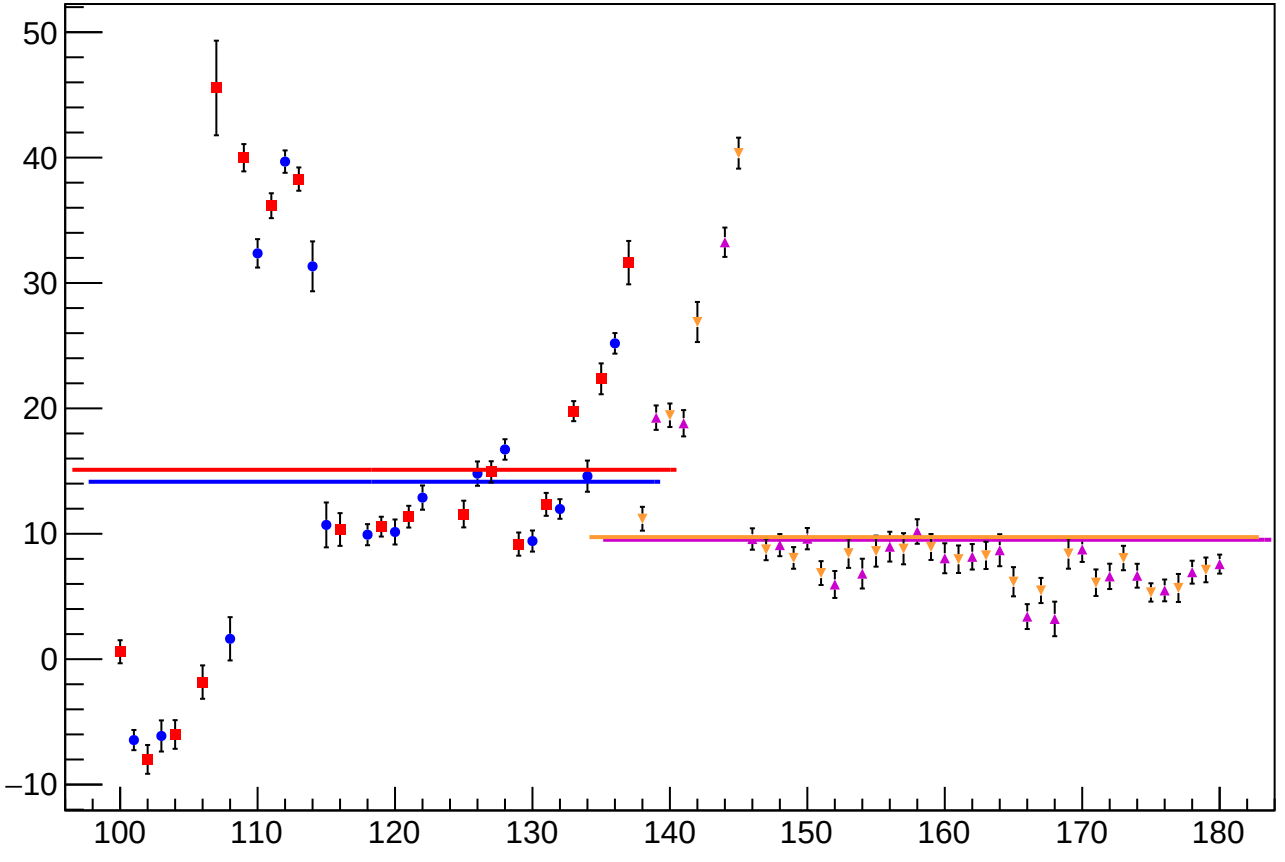
Left In: 1.581+/-0.162 χ^2/NDF:175.1/20

+ sign 2.823+/-0.131 χ^2/NDF: 795.3/36

All: 2.785+/-0.092 χ^2/NDF: 1391.3/75

- 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: 9.735+/-0.225 χ^2/NDF:961.0/20

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

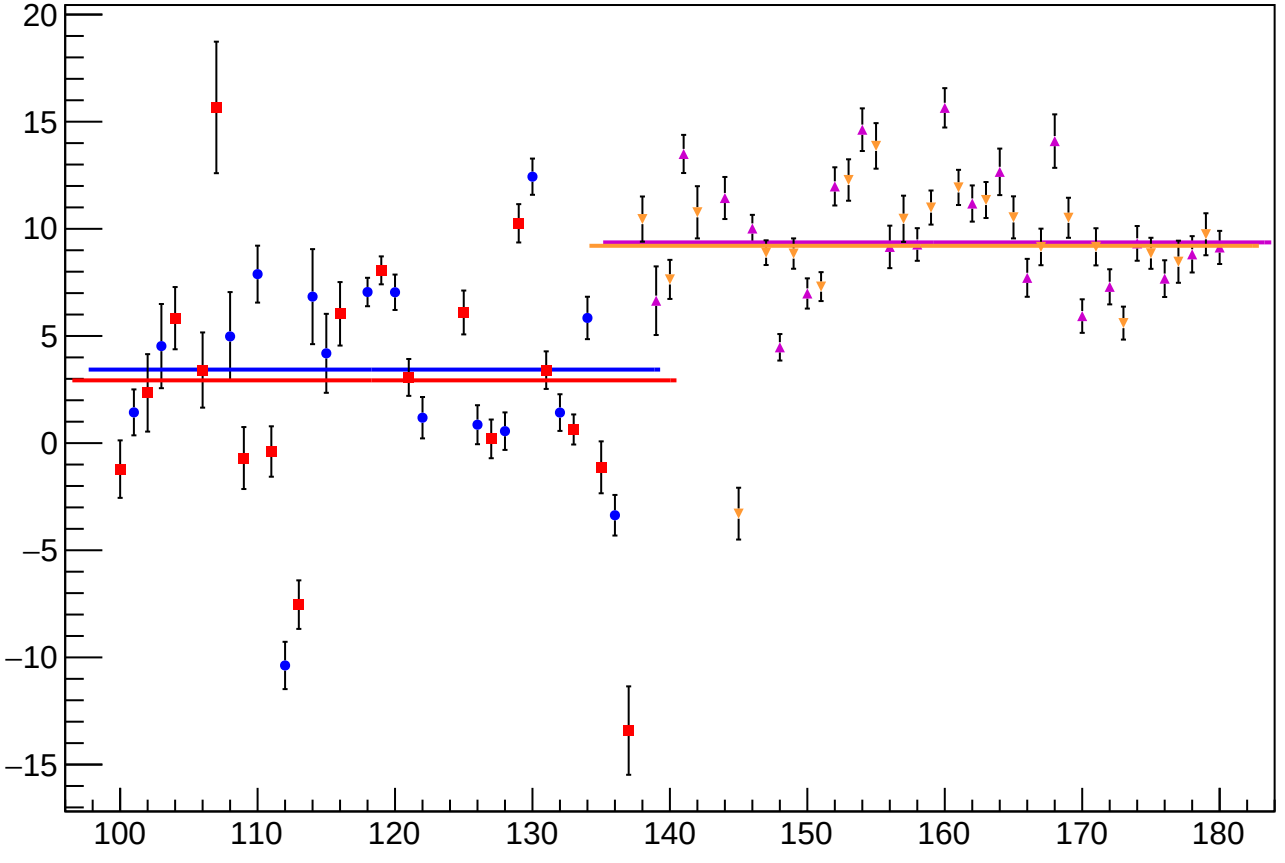
Left In: 9.523+/-0.217 χ^2/NDF:724.6/20

+ sign 11.731+/-0.166 χ^2/NDF: 3538.0/36

All: 11.874+/-0.116 χ^2/NDF: 7661.1/75

- 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: 9.209+/-0.187 χ^2/NDF:201.5/20

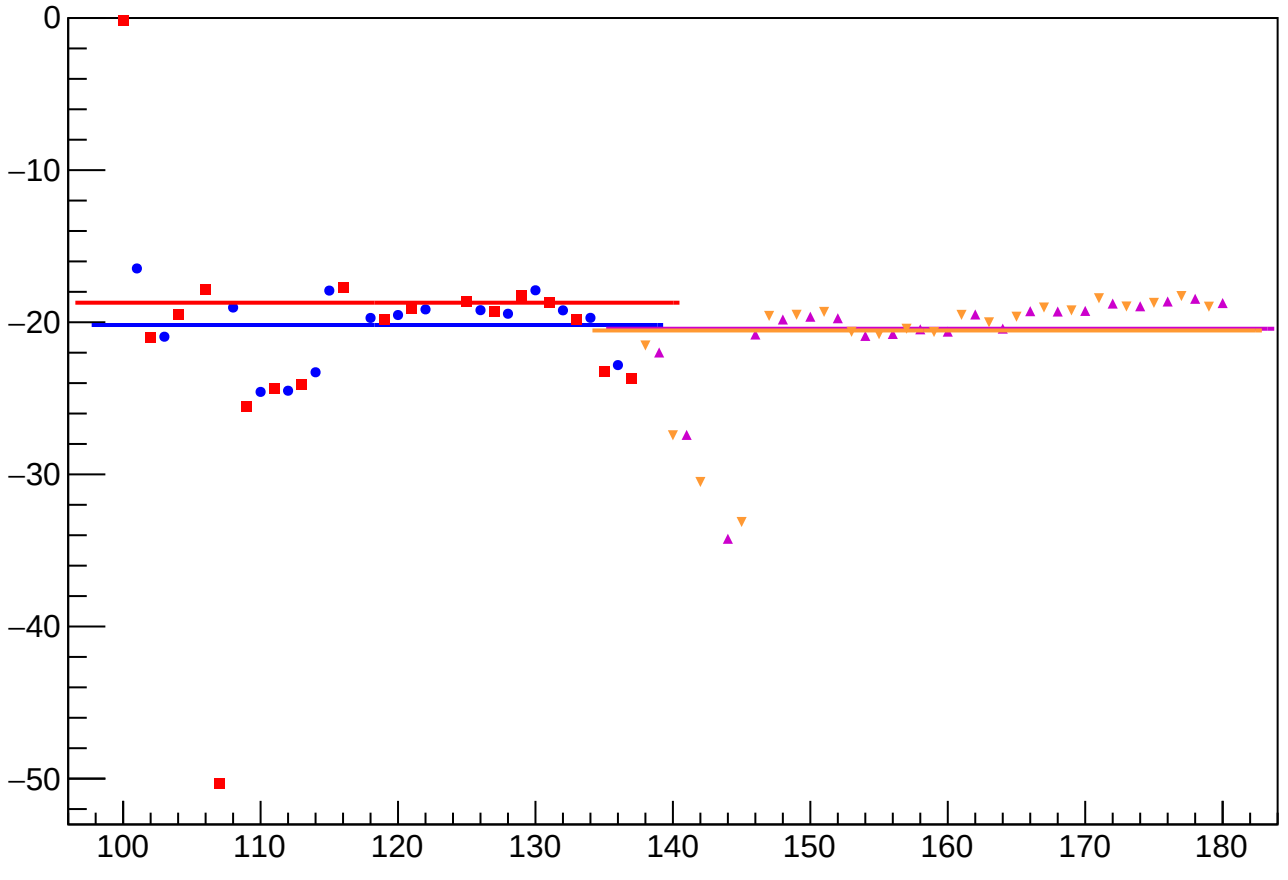
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.367+/-0.185 χ^2/NDF:249.0/20

\+ sign 7.176+/-0.151 χ^2/NDF: 960.2/36

All: 7.152+/-0.106 χ^2/NDF: 1998.3/75

\- 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: -20.540+/-0.009 χ^2/NDF:137053.9/20

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

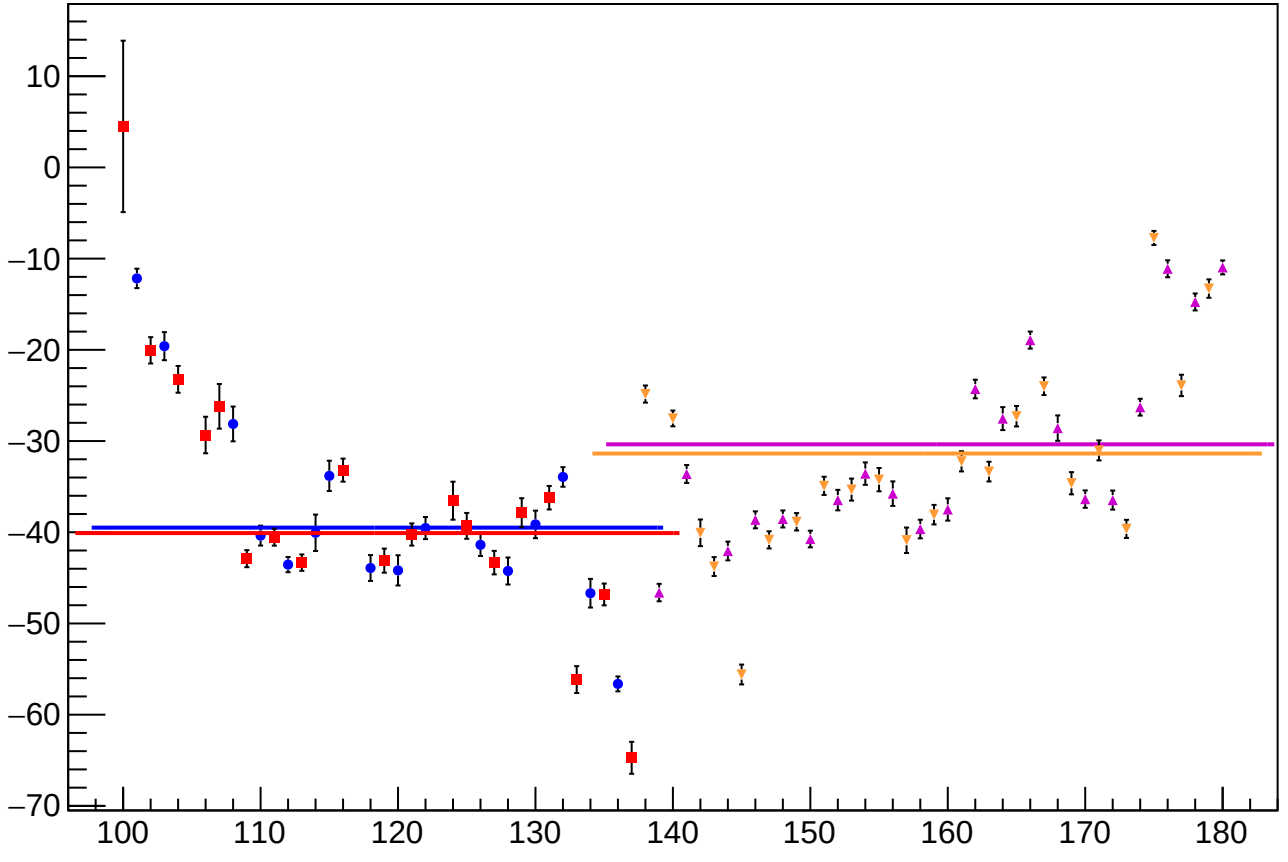
Left In: -20.426+/-0.008 χ^2/NDF:113449.8/20

+ sign -20.459+/-0.008 χ^2/NDF: 157300.1/36

All: -20.245+/-0.005 χ^2/NDF: 516357.7/75

- 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: -31.367+/-0.223 χ^2/NDF:2466.4/21

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

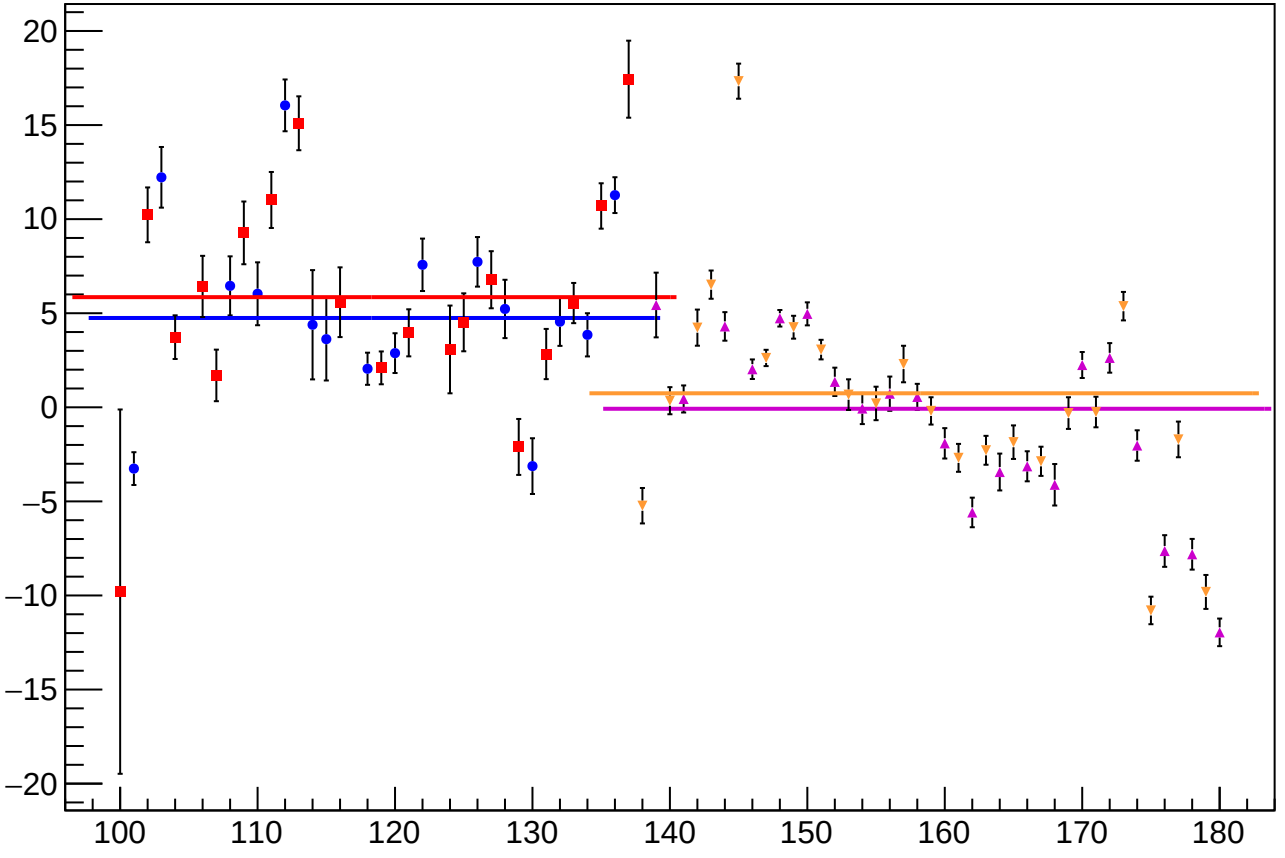
Left In: -30.359+/-0.220 χ^2/NDF:2520.3/20

+ sign -34.135+/-0.181 χ^2/NDF: 4334.6/37

All: -33.893+/-0.127 χ^2/NDF: 8357.0/77

- 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: 0.745+/-0.158 χ^2/NDF:1006.1/21

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

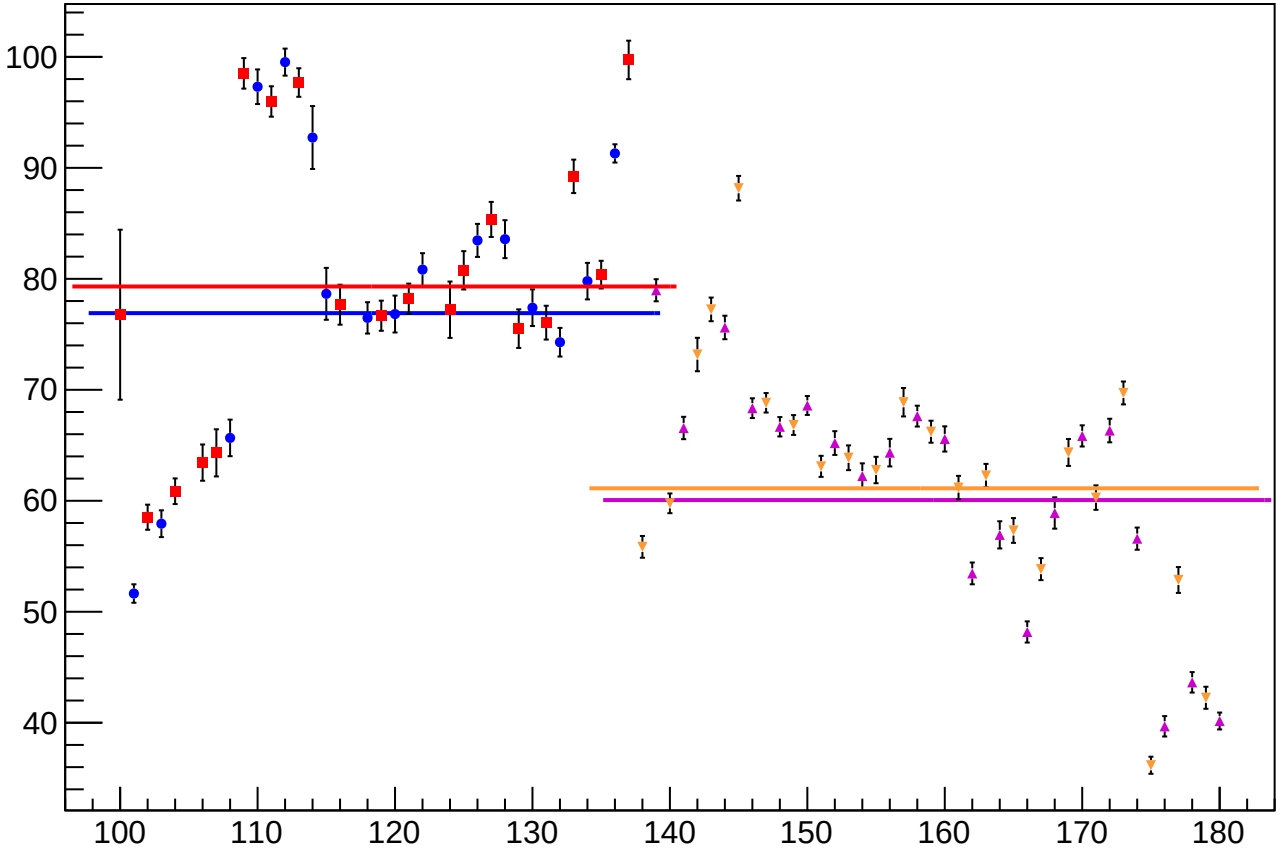
Left In: -0.078+/-0.161 χ^2/NDF:809.4/20

+ sign 1.549+/-0.142 χ^2/NDF: 1408.2/37

All: 1.326+/-0.101 χ^2/NDF: 2679.4/77

- 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: 61.124+/-0.219 χ^2/NDF:2717.6/21

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

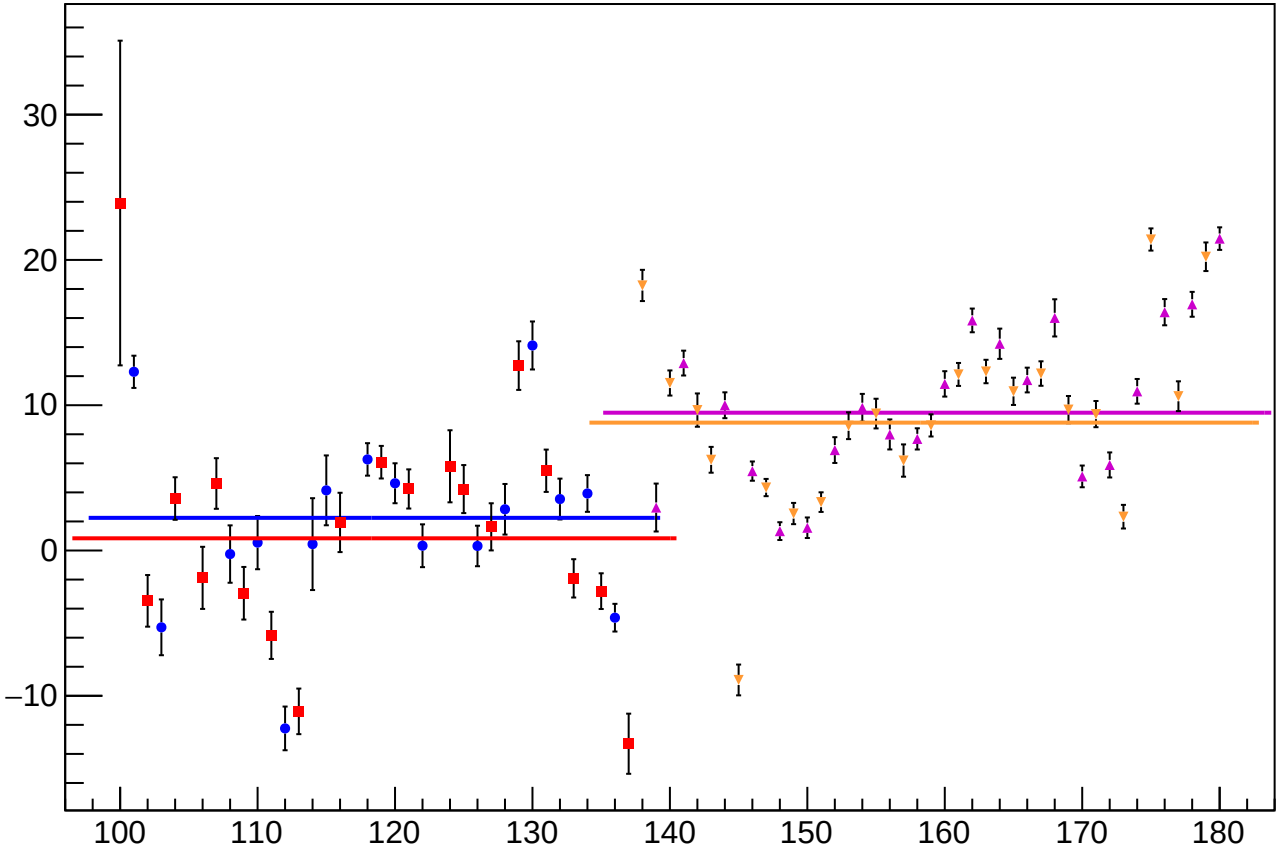
Left In: 60.064+/-0.216 χ^2/NDF:2773.8/20

+ sign 65.828+/-0.184 χ^2/NDF: 6374.9/37

All: 65.626+/-0.130 χ^2/NDF: 12856.2/77

- 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: 8.801+/-0.183 χ^2/NDF:1109.8/21

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

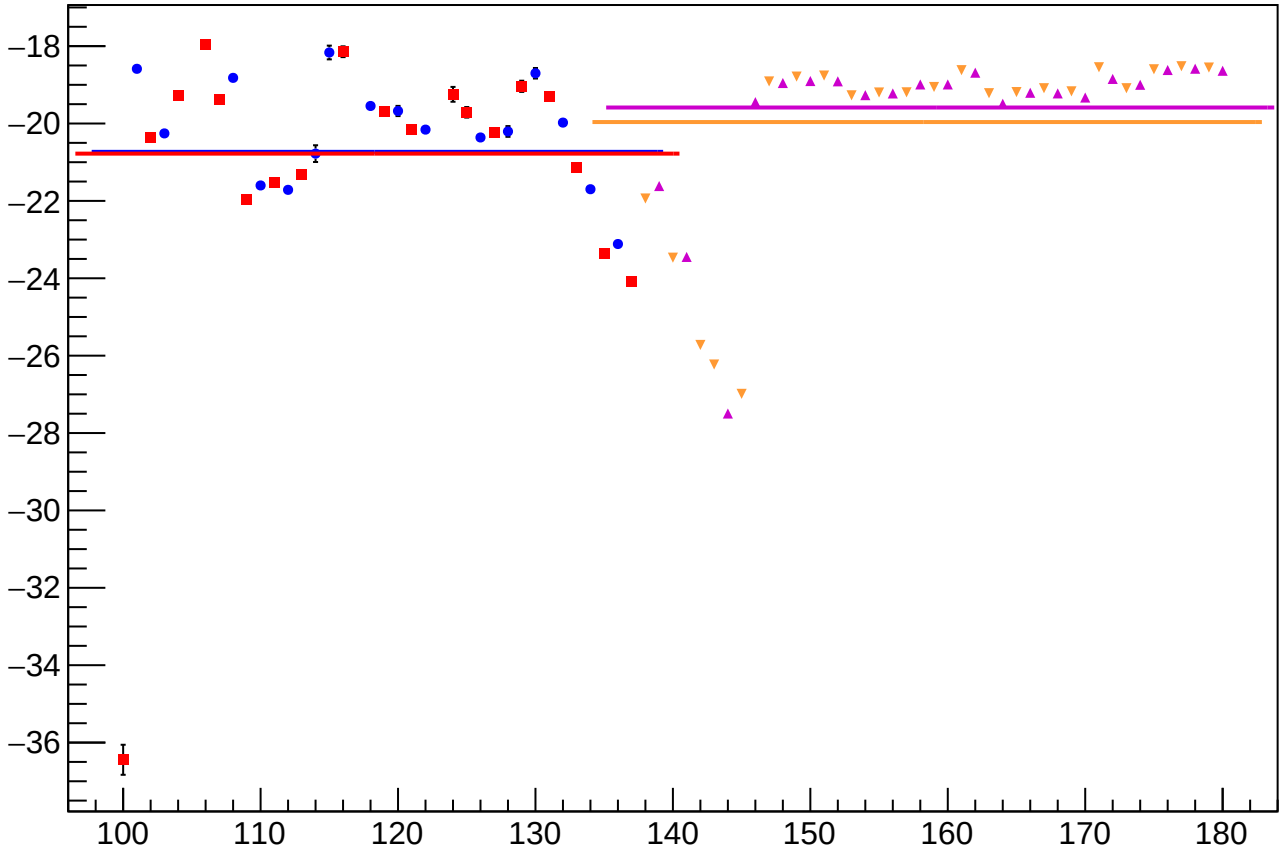
Left In: 9.484+/-0.184 χ^2/NDF:935.3/20

+ sign 7.477+/-0.163 χ^2/NDF: 1689.4/37

All: 7.632+/-0.116 χ^2/NDF: 3316.7/77

- 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: -19.962+/-0.008 χ^2/NDF:77853.8/21

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

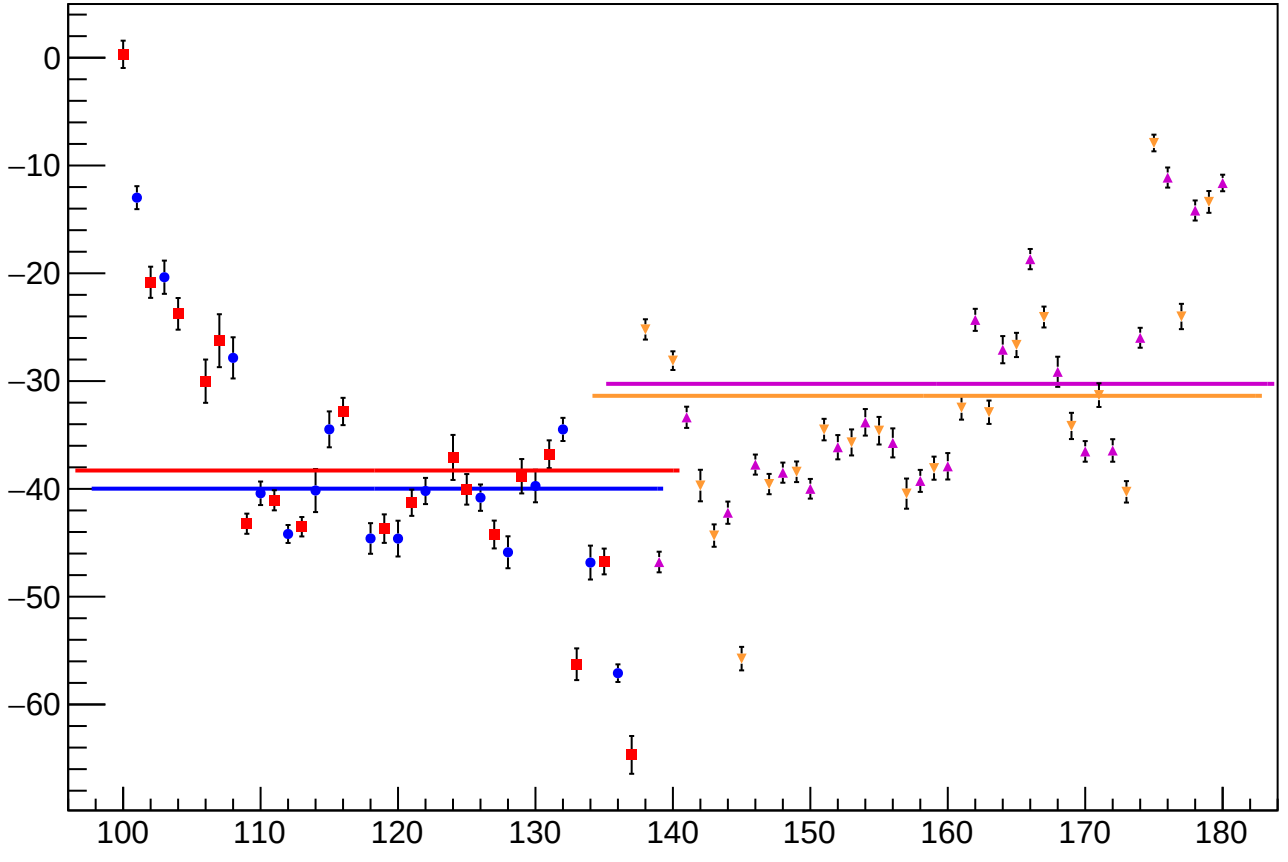
Left In: -19.586+/-0.008 χ^2/NDF:45019.6/20

+ sign -20.084+/-0.008 χ^2/NDF: 86811.5/37

All: -19.920+/-0.005 χ^2/NDF: 145130.0/77

- 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: -31.366+/-0.224 χ^2/NDF:2424.0/21

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

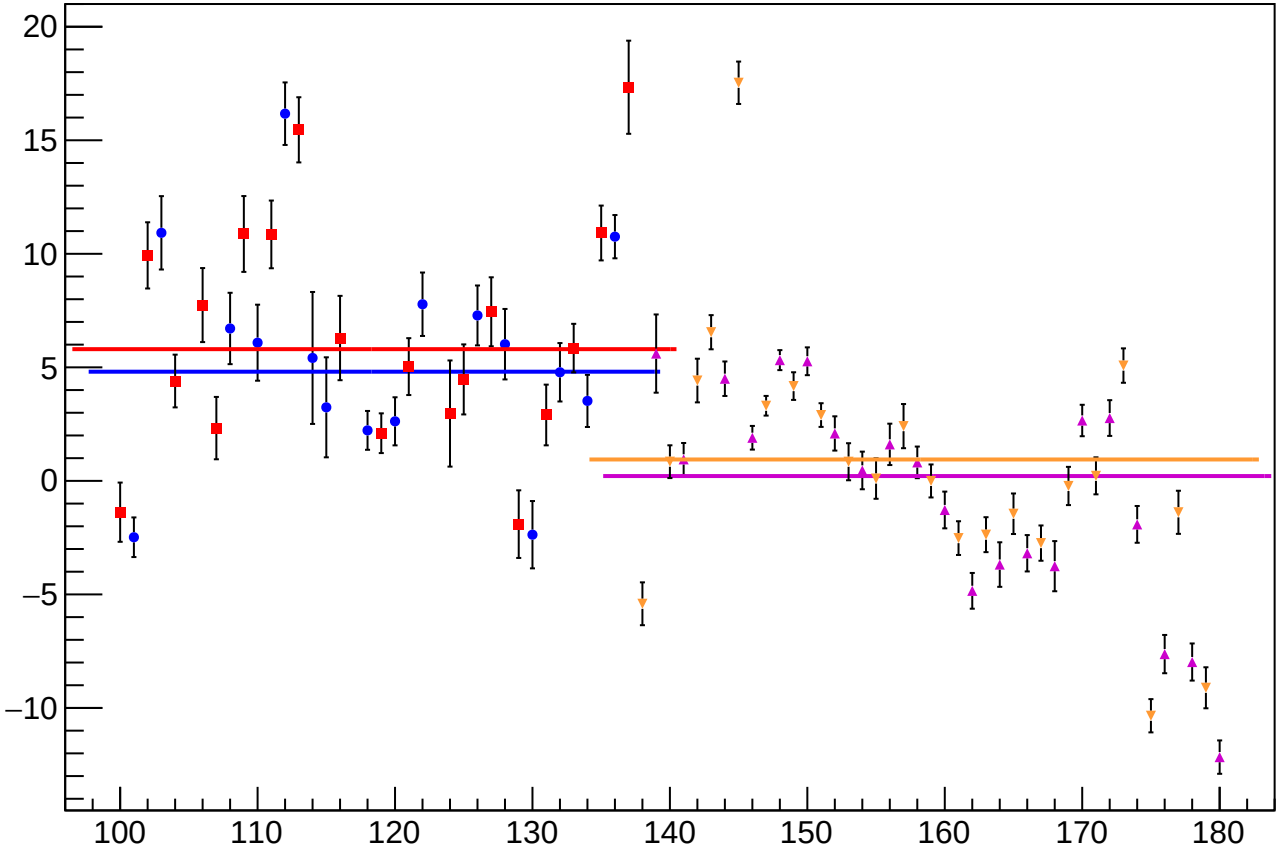
Left In: -30.255+/-0.220 χ^2/NDF:2468.5/20

+ sign -34.300+/-0.182 χ^2/NDF: 4327.9/37

All: -33.677+/-0.127 χ^2/NDF: 9061.6/77

- 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: 0.943+/-0.159 χ^2/NDF:976.4/21

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

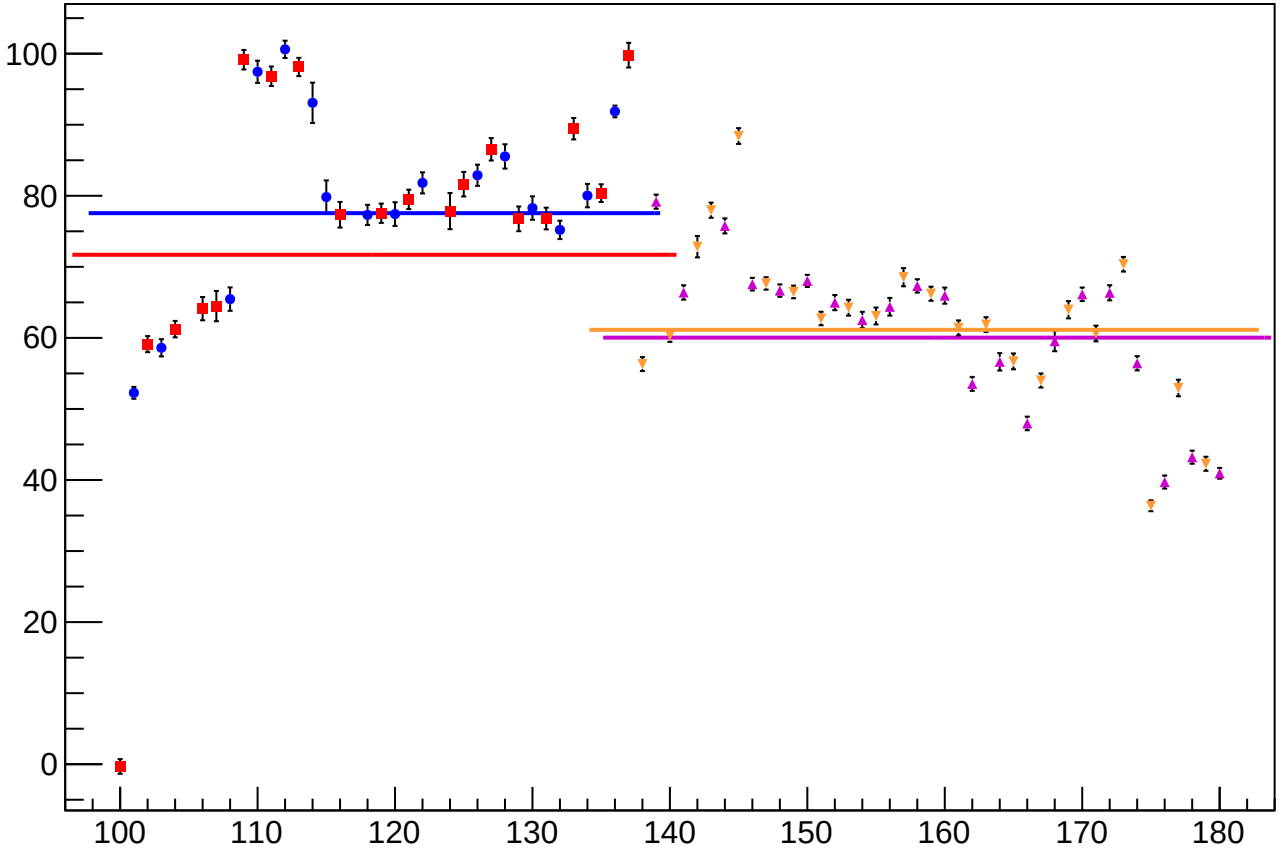
Left In: 0.213+/-0.161 χ^2/NDF:856.9/20

+ sign 1.719+/-0.142 χ^2/NDF: 1336.2/37

All: 1.548+/-0.101 χ^2/NDF: 2662.0/77

- 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: 61.138+/-0.220 χ^2/NDF:2694.5/21

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

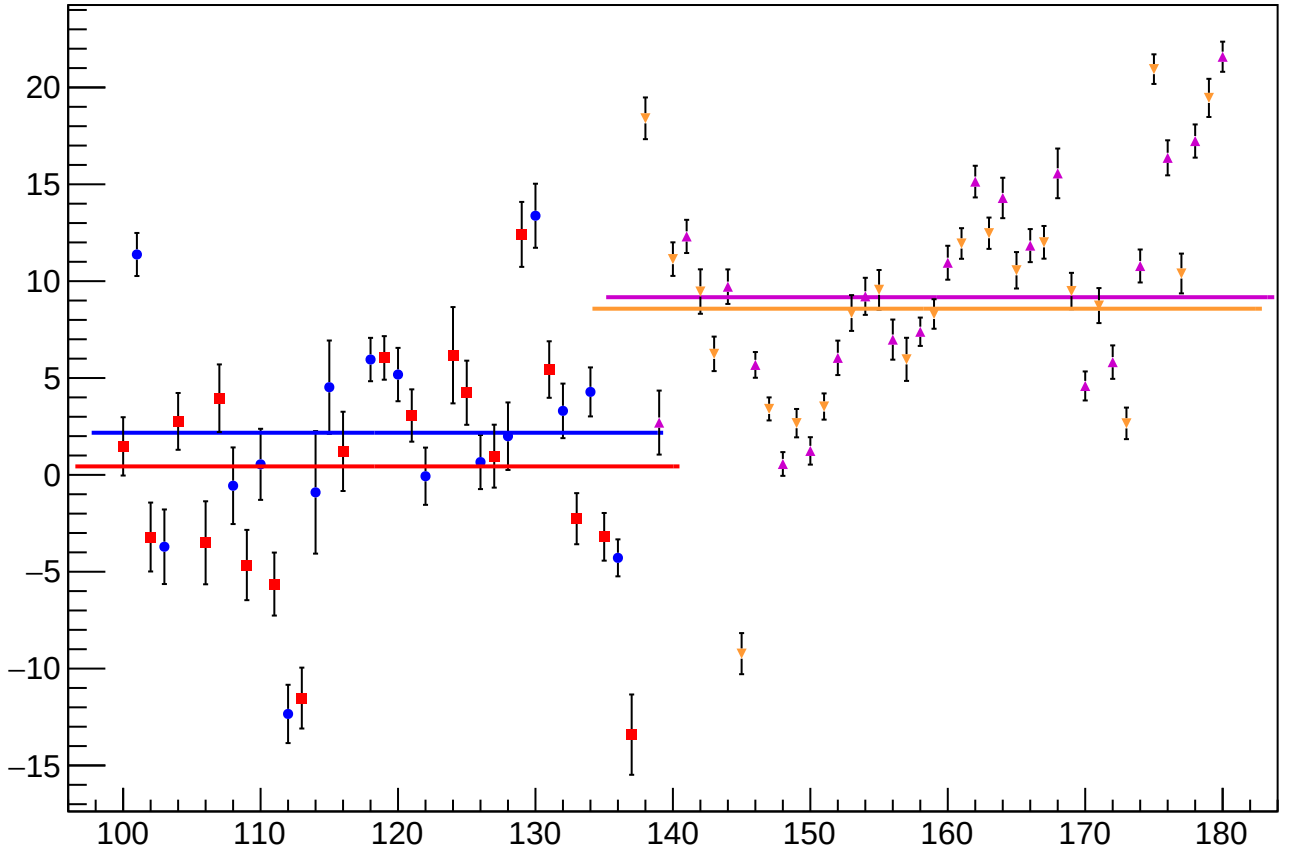
Left In: 60.036+/-0.217 χ^2/NDF:2714.5/20

\+ sign 66.030+/-0.184 χ^2/NDF: 6474.7/37

All: 64.764+/-0.129 χ^2/NDF: 17057.3/77

\- 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: 8.578+/-0.183 χ^2/NDF:1087.4/21

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

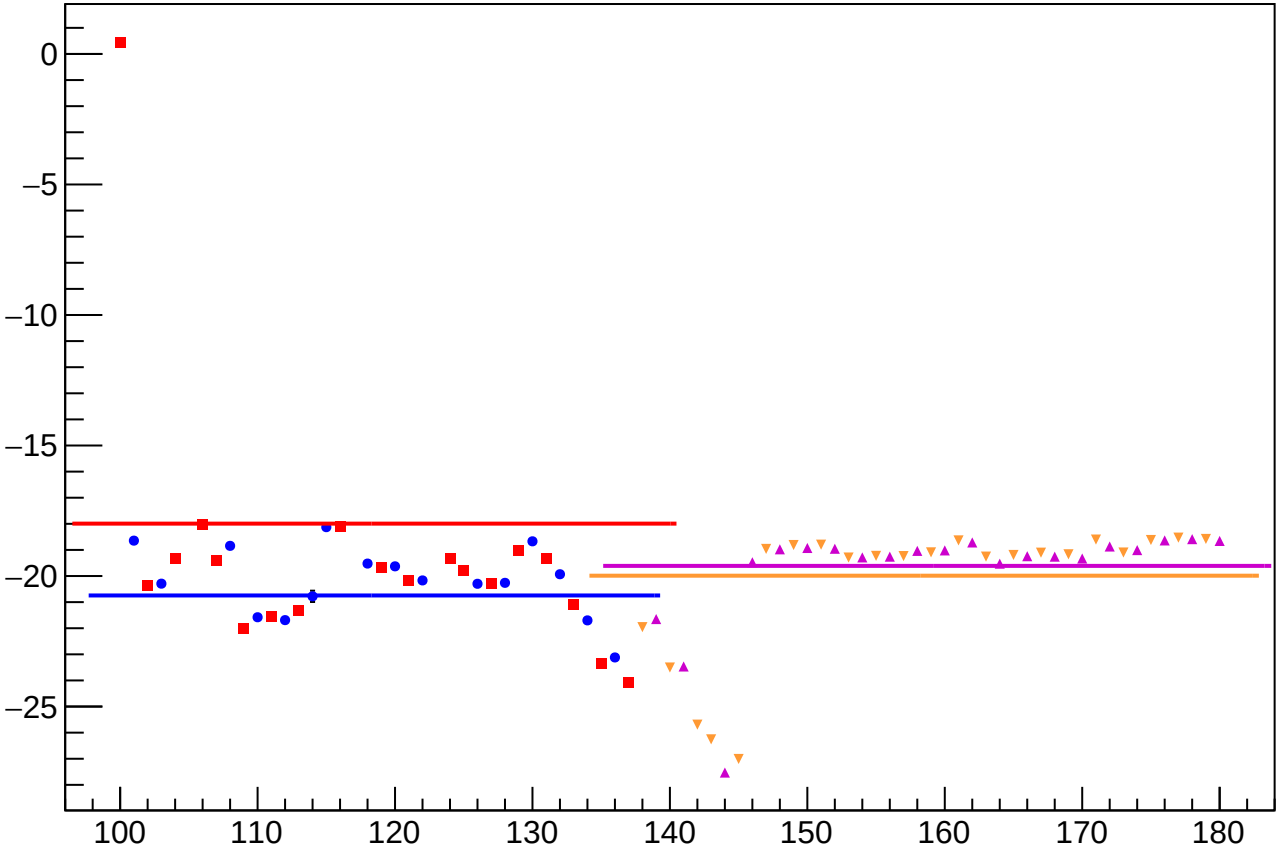
Left In: 9.172+/-0.184 χ^2/NDF:981.0/20

\+ sign 7.284+/-0.163 χ^2/NDF: 1625.2/37

All: 7.330+/-0.116 χ^2/NDF: 3323.2/77

\- 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: -19.987+/-0.008 χ^2/NDF:77427.4/21

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

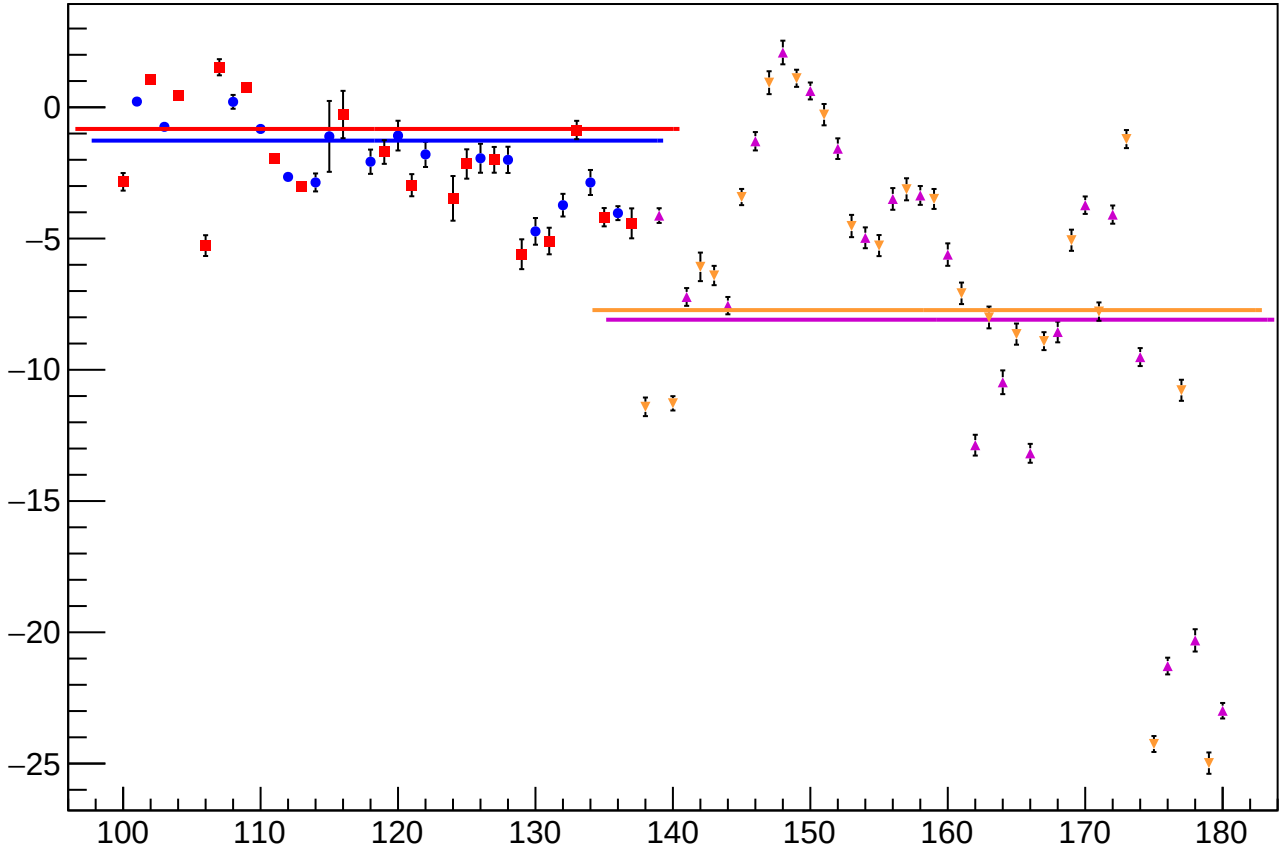
Left In: -19.611+/-0.008 χ^2/NDF:44934.6/20

+ sign -20.108+/-0.008 χ^2/NDF: 86215.7/37

All: -19.721+/-0.005 χ^2/NDF: 292769.3/77

- 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: -7.726+/-0.079 χ^2/NDF:7545.4/21

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

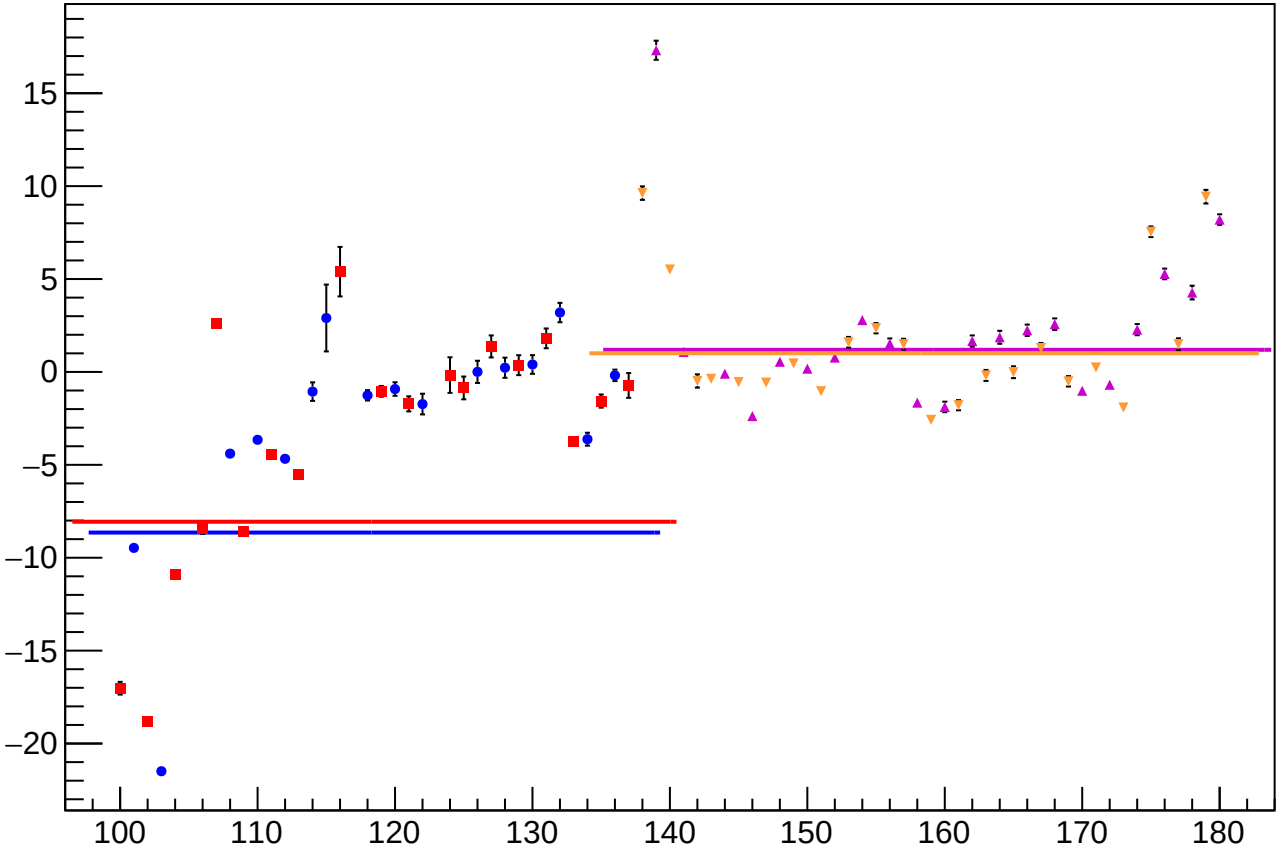
Left In: -8.092+/-0.078 χ^2/NDF:8271.6/20

+ sign -3.352+/-0.045 χ^2/NDF: 12684.4/37

All: -3.164+/-0.031 χ^2/NDF: 28423.8/77

- 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: 1.003+/-0.058 χ^2/NDF:2736.9/21

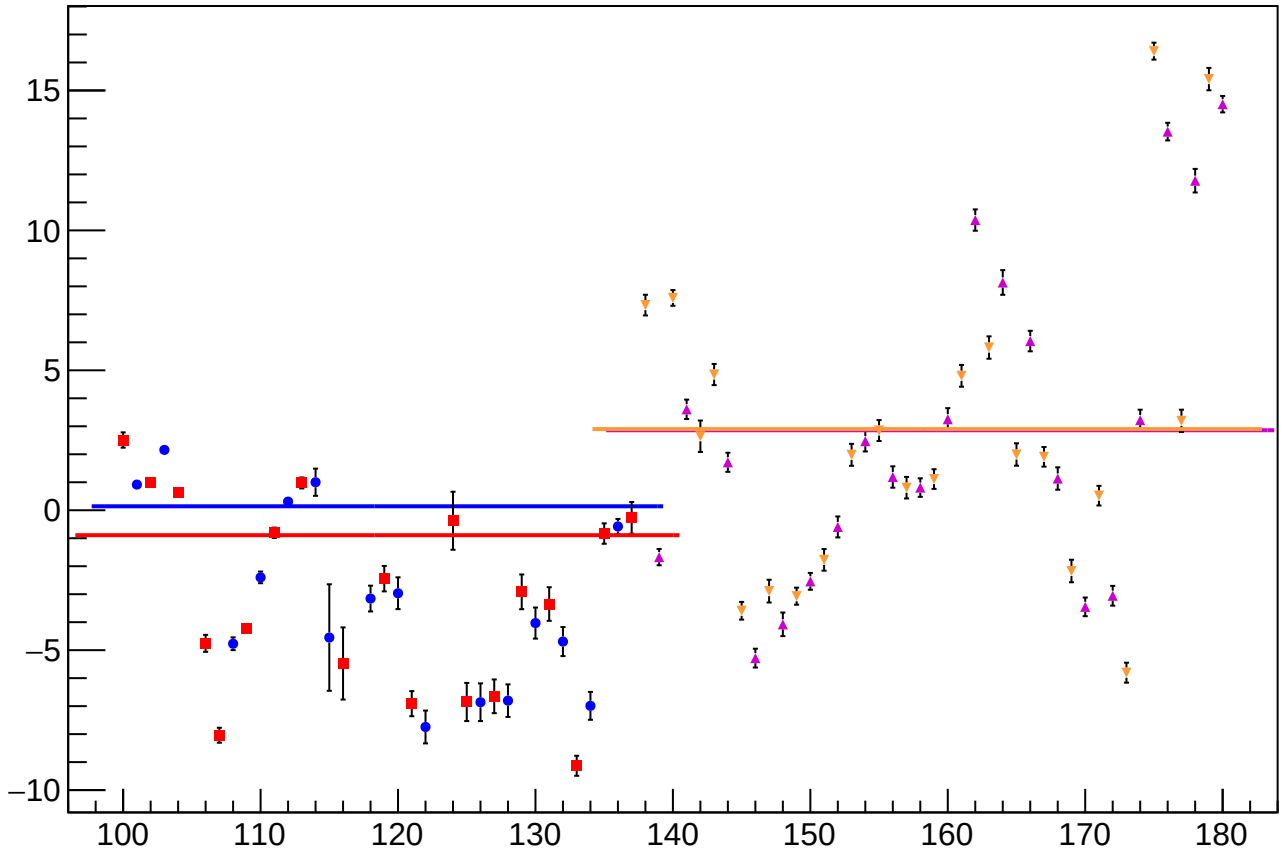
Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 1.191+/-0.059 χ^2/NDF:2676.8/20

+ sign -3.886+/-0.041 χ^2/NDF: 30726.9/37

All: -3.730+/-0.029 χ^2/NDF: 60439.5/77

- 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: 2.900+/-0.078 χ^2/NDF:5519.5/21

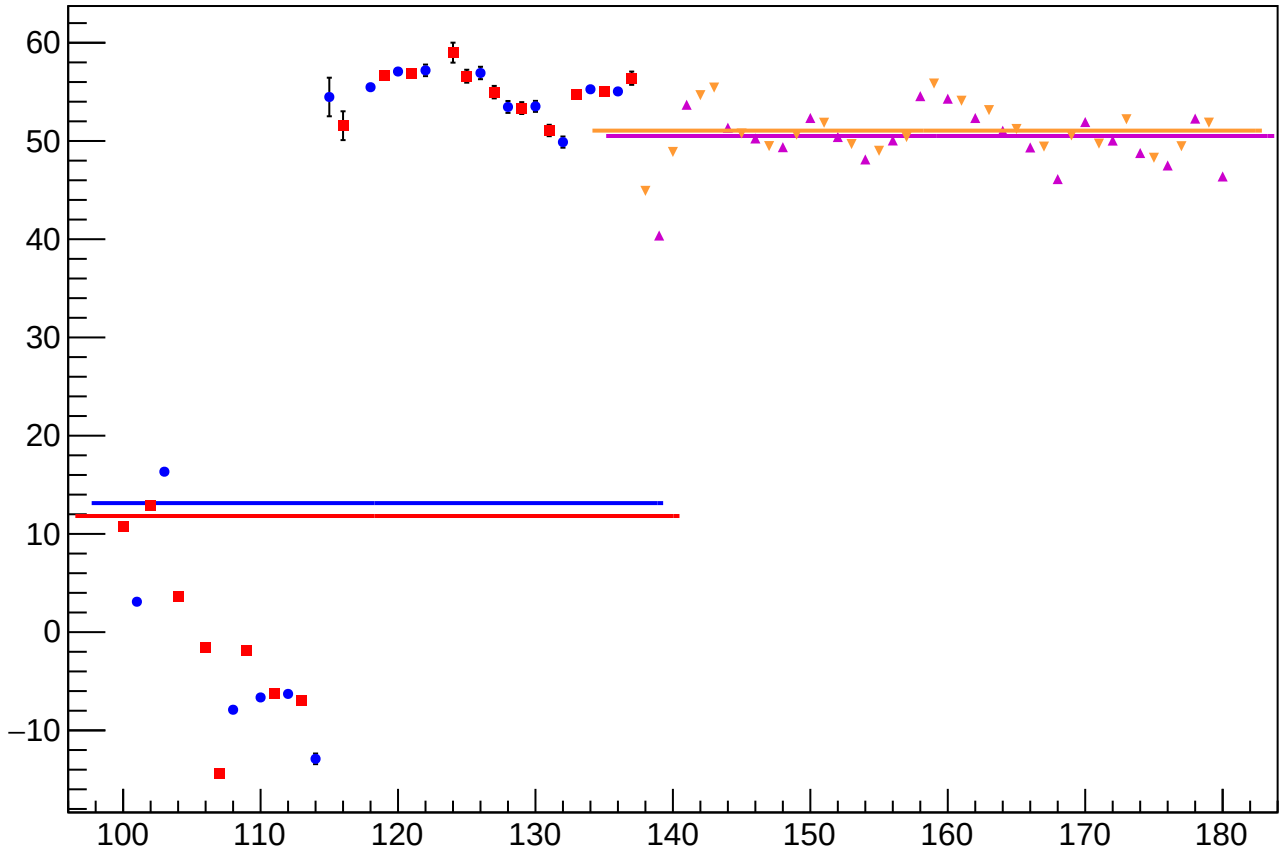
Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 2.858+/-0.077 χ^2/NDF:6017.2/20

+ sign 1.014+/-0.044 χ^2/NDF: 8337.5/37

All: 0.674+/-0.031 χ^2/NDF: 19055.7/77

- sign 0.332+/-0.044 χ^2/NDF: 10597.5/39



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.055+/-0.066 χ^2/NDF:1302.3/21

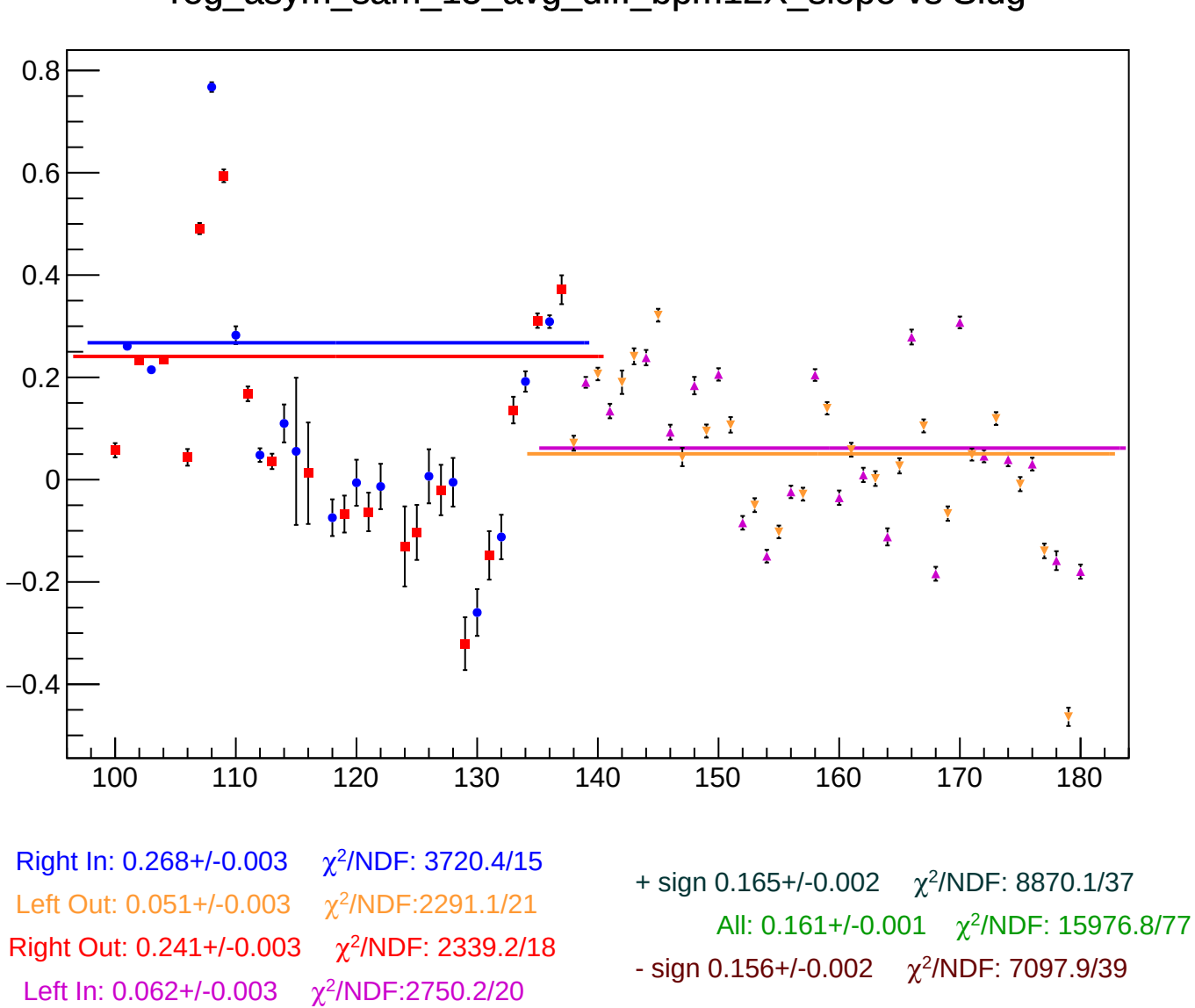
Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.508+/-0.067 χ^2/NDF:1638.4/20

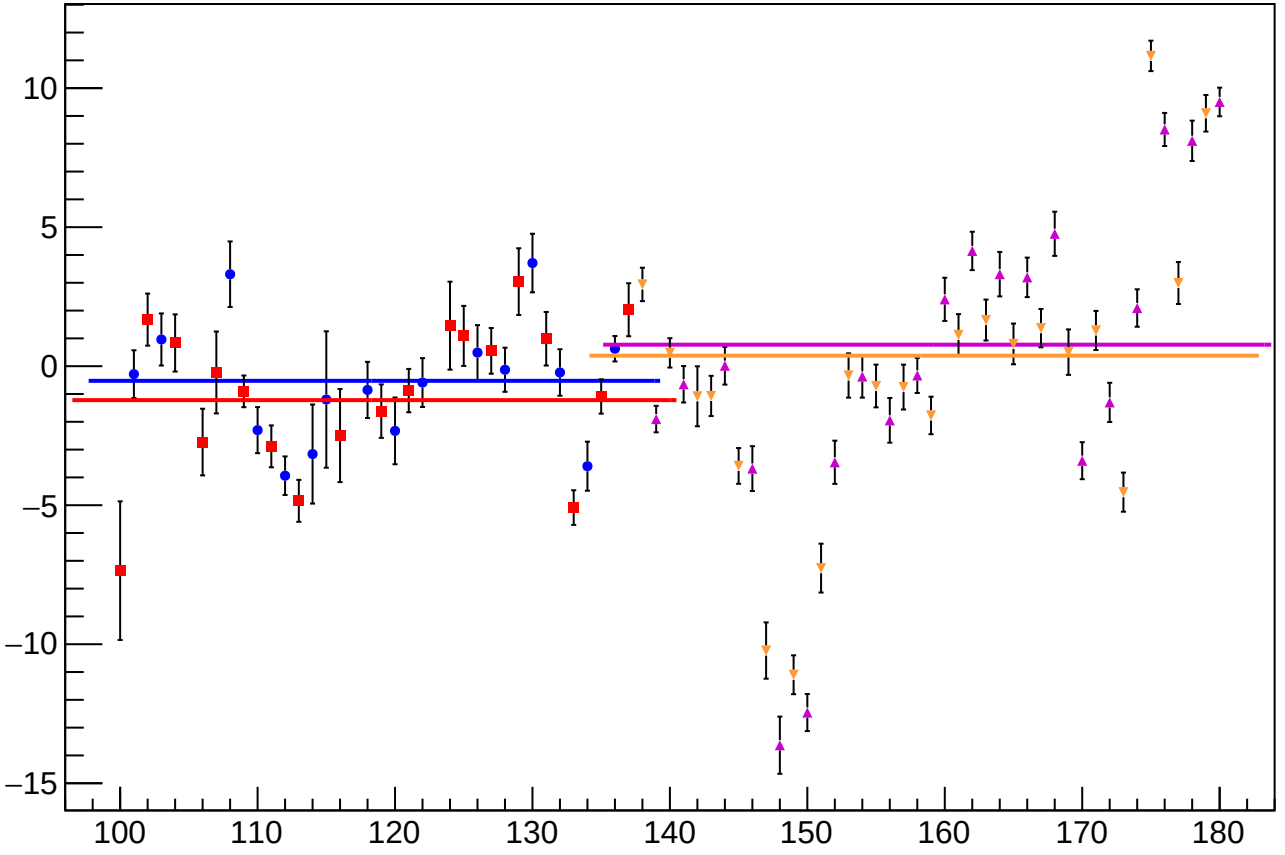
\+ sign 32.717+/-0.047 χ^2/NDF: 270718.6/37

All: 32.115+/-0.034 χ^2/NDF: 556264.4/77

\- sign 31.505+/-0.048 χ^2/NDF: 285218.9/39


reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.268+/-0.003 χ²/NDF: 3720.4/15
Left Out: 0.051+/-0.003 χ²/NDF:2291.1/21
Right Out: 0.241+/-0.003 χ²/NDF: 2339.2/18
Left In: 0.062+/-0.003 χ²/NDF:2750.2/20
+ sign 0.165+/-0.002 χ²/NDF: 8870.1/37
All: 0.161+/-0.001 χ²/NDF: 15976.8/77
- sign 0.156+/-0.002 χ²/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: 0.379+/-0.152 χ^2/NDF:1164.4/21

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: 0.773+/-0.149 χ^2/NDF:1391.1/20

+ sign 0.081+/-0.124 χ^2/NDF: 1258.8/37

All: 0.081+/-0.087 χ^2/NDF: 2842.9/77

- 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: -56.151+/-0.113 χ^2/NDF:766.6/21

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

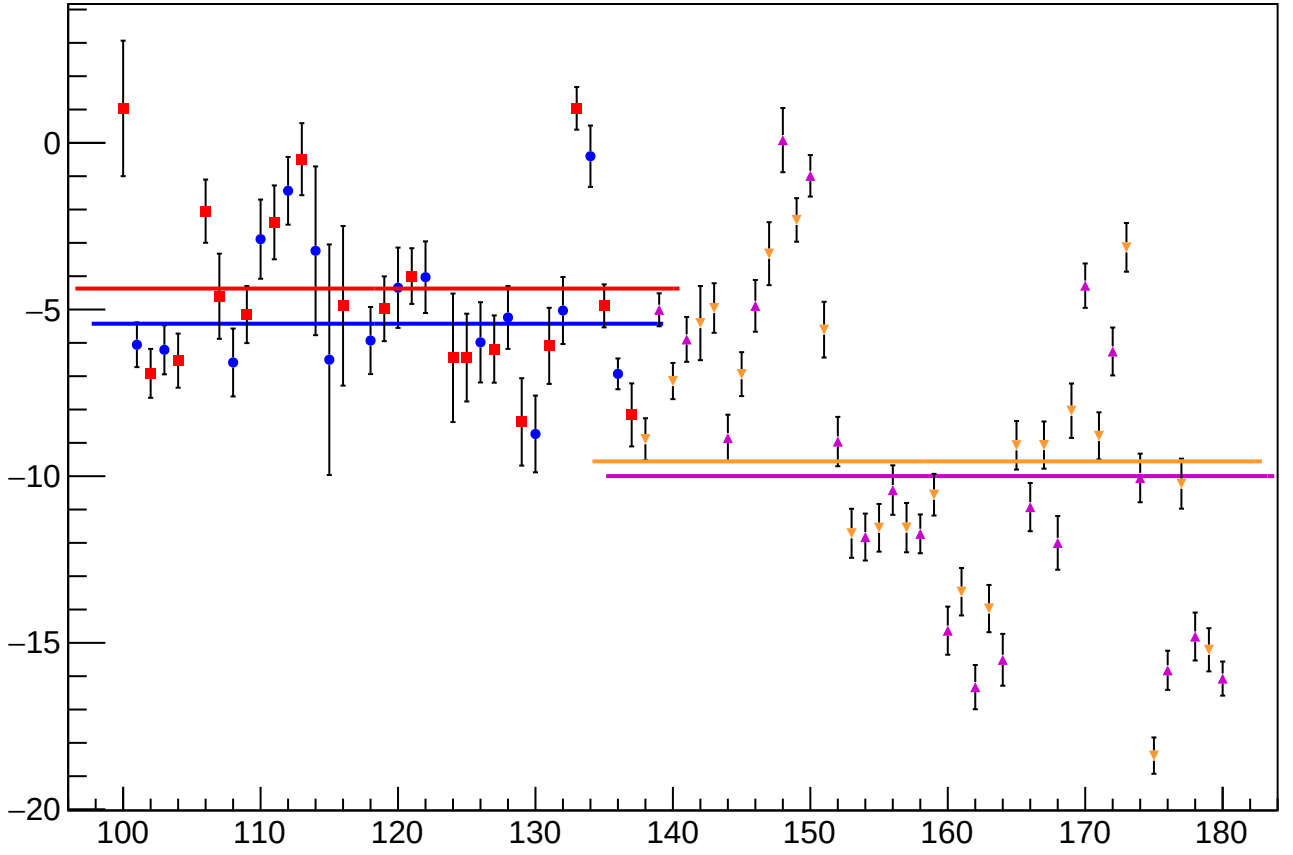
Left In: -56.438+/-0.116 χ^2/NDF:992.1/20

+ sign -57.255+/-0.101 χ^2/NDF: 4564.9/37

All: -57.226+/-0.071 χ^2/NDF: 9156.6/77

- 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: -9.555+/-0.150 χ^2/NDF:794.6/21

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

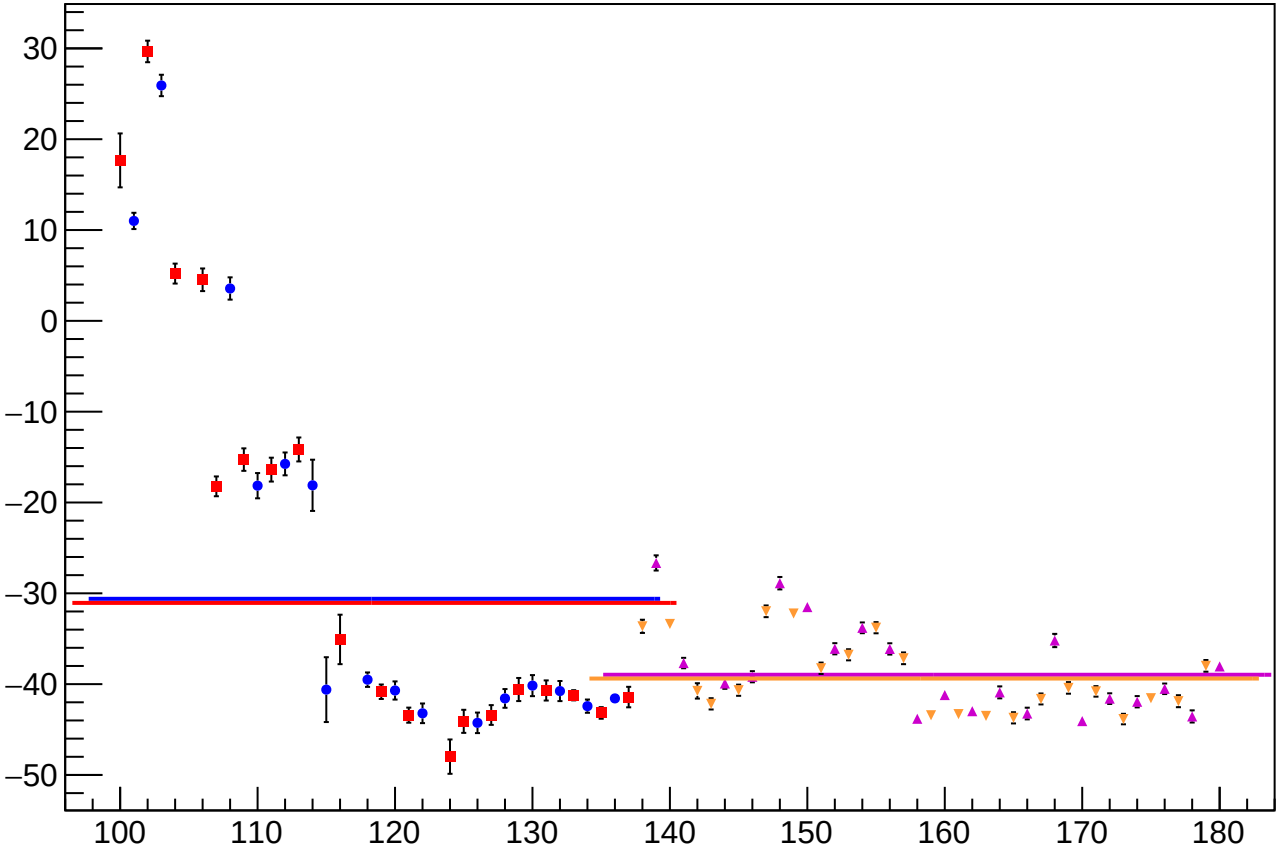
Left In: -9.997+/-0.147 χ^2/NDF:1096.8/20

+ sign -8.327+/-0.125 χ^2/NDF: 1097.2/37

All: -8.307+/-0.088 χ^2/NDF: 2795.7/77

- 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: -39.385+/-0.128 χ^2/NDF:986.4/21

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

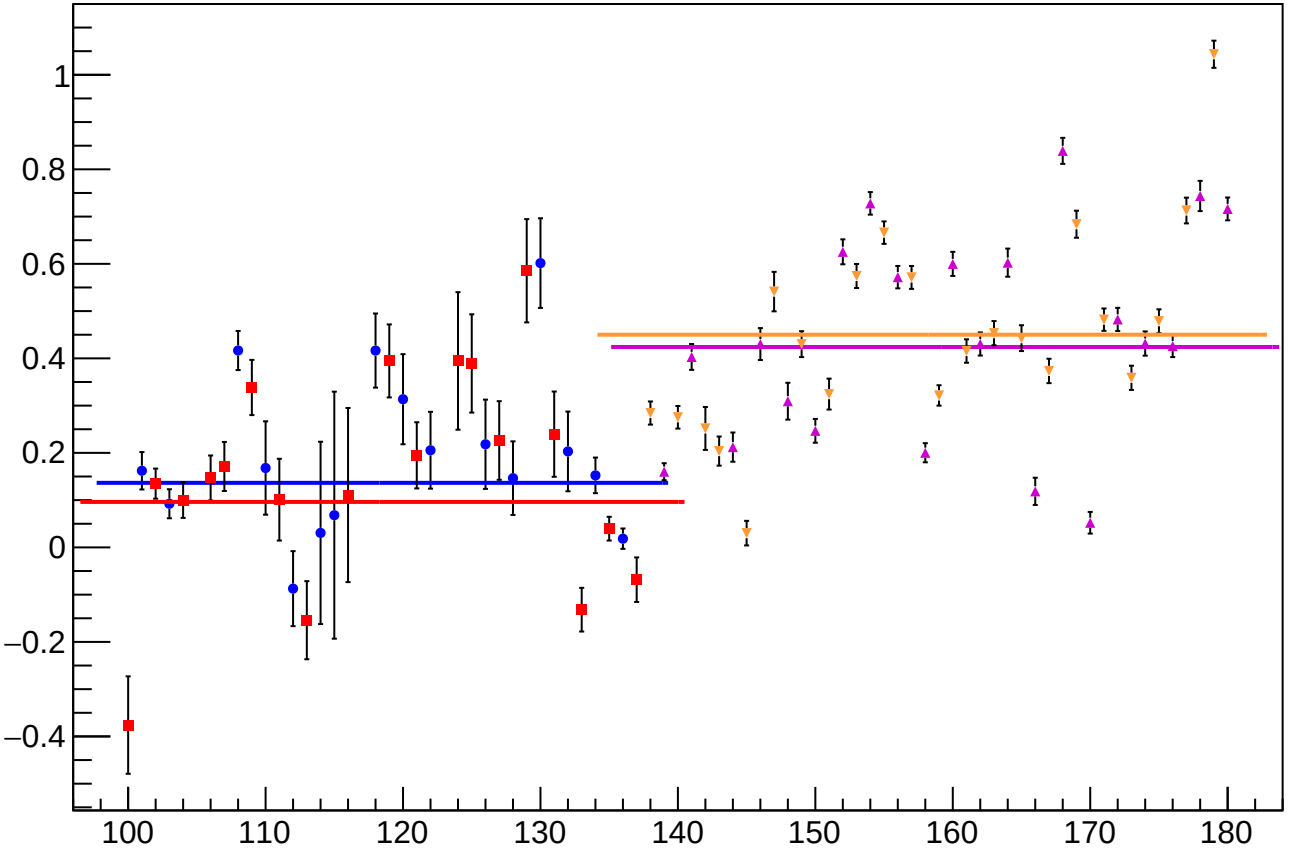
Left In: -38.969+/-0.129 χ^2/NDF:1222.0/20

+ sign -37.556+/-0.114 χ^2/NDF: 8905.7/37

All: -37.359+/-0.080 χ^2/NDF: 17964.8/77

- 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: 0.450+/-0.006 χ^2/NDF:1243.0/21

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

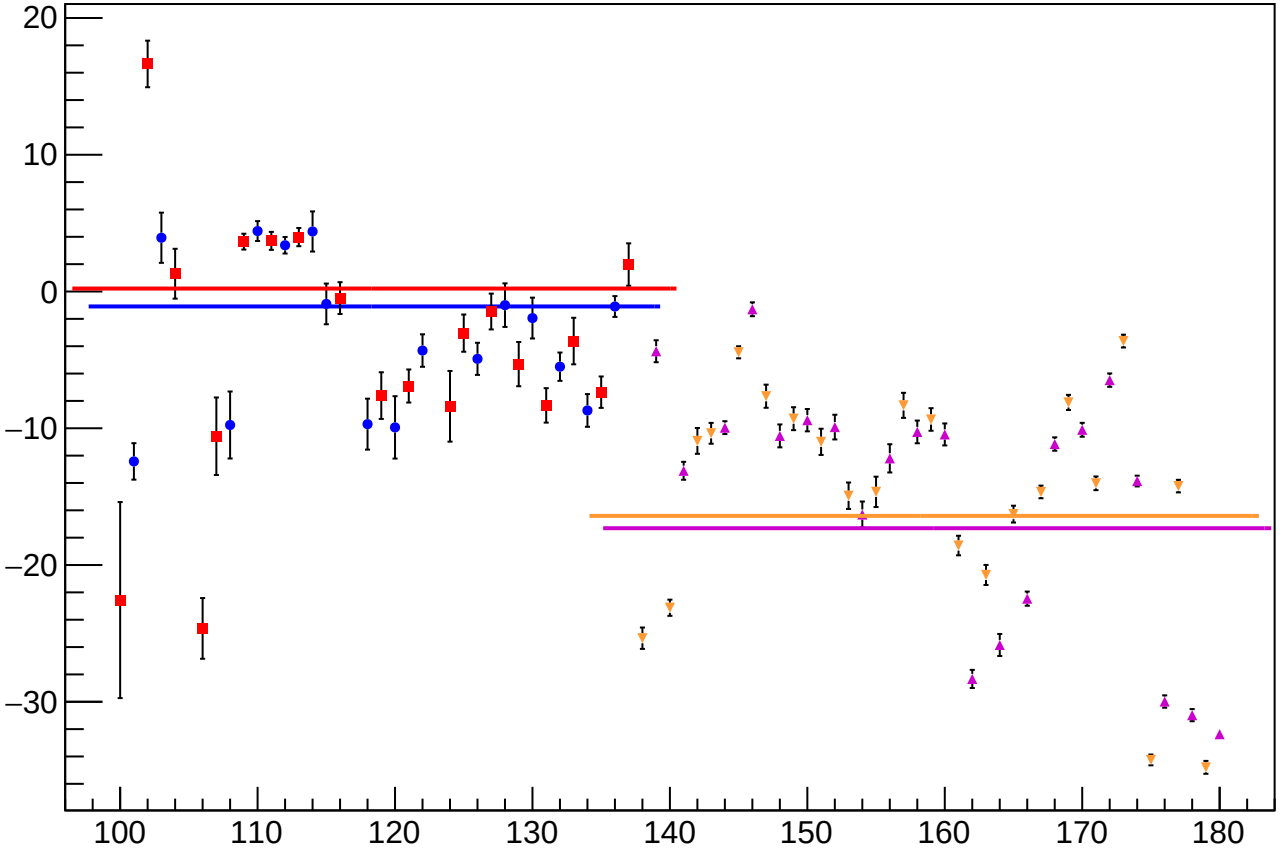
Left In: 0.424+/-0.006 χ^2/NDF:1641.8/20

+ sign 0.397+/-0.005 χ^2/NDF: 1893.7/37

All: 0.382+/-0.004 χ^2/NDF: 4284.6/77

- 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: -16.408+/-0.130 χ^2/NDF:6075.5/21

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

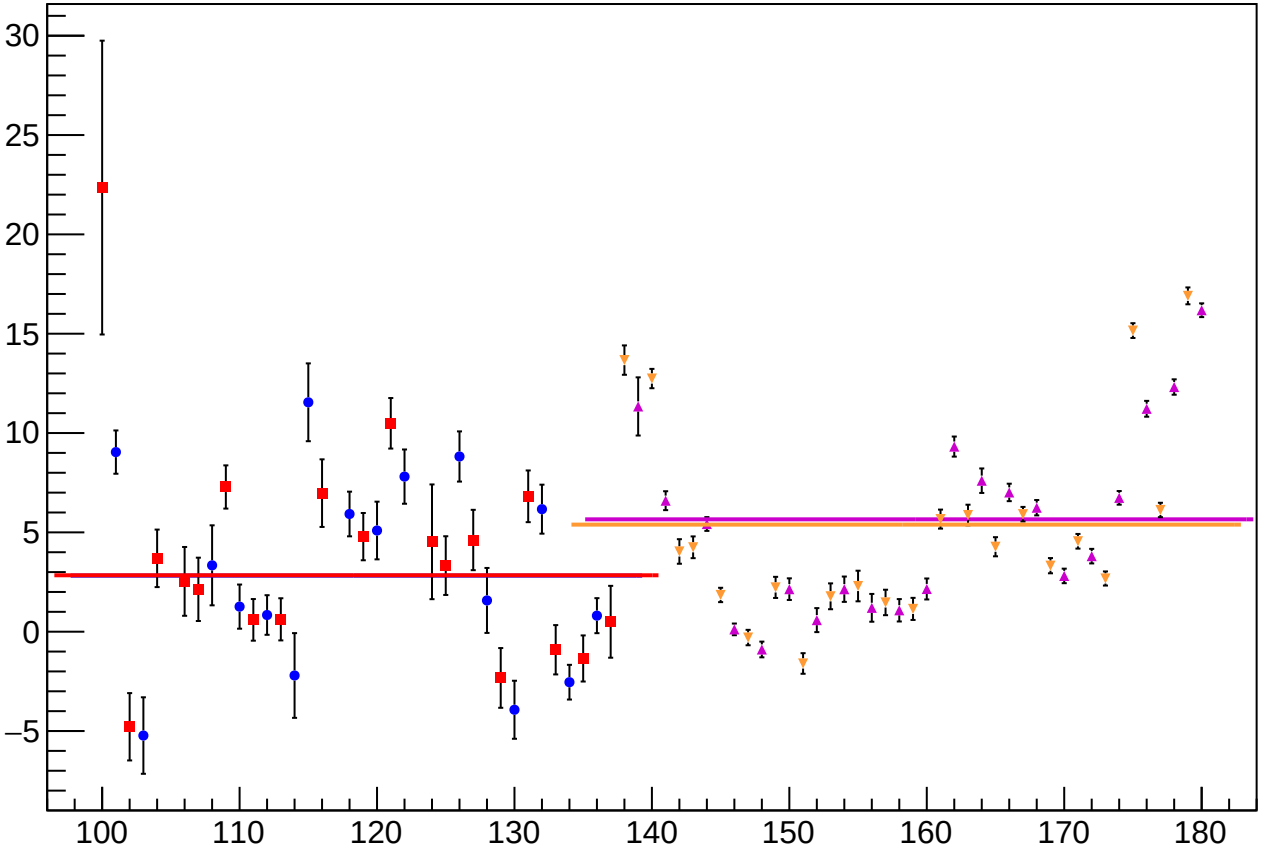
Left In: -17.309+/-0.124 χ^2/NDF:6816.9/20

+ sign -13.712+/-0.118 χ^2/NDF: 8862.7/37

All: -13.964+/-0.081 χ^2/NDF: 19773.4/77

- 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: 5.390+/-0.097 χ^2/NDF:2560.8/21

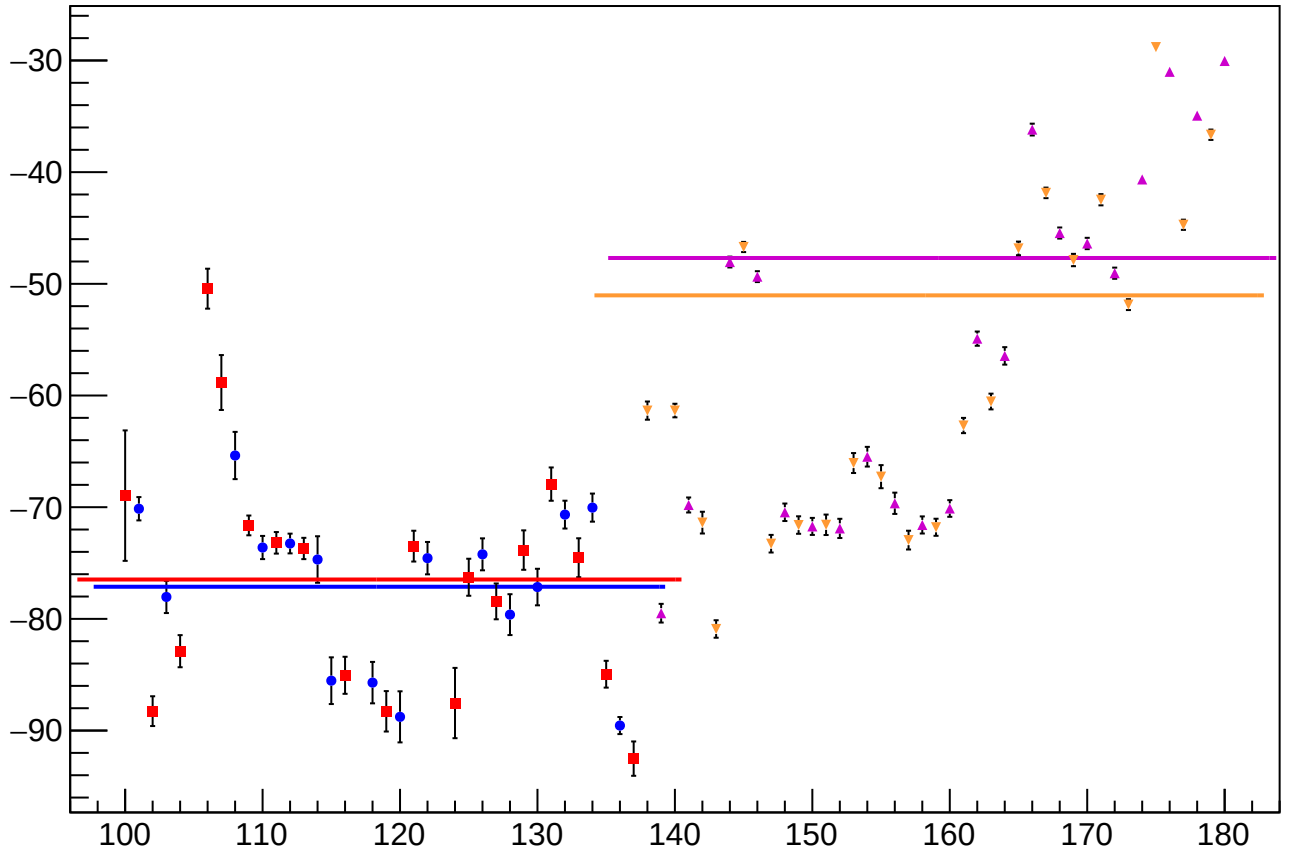
Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 5.656+/-0.095 χ^2/NDF:2525.7/20

+ sign 5.164+/-0.093 χ^2/NDF: 2821.5/37

All: 5.301+/-0.065 χ^2/NDF: 5566.7/77

- sign 5.432+/-0.091 χ^2/NDF: 2741.0/39



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -51.032+/-0.129 χ^2/NDF:11873.8/21

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

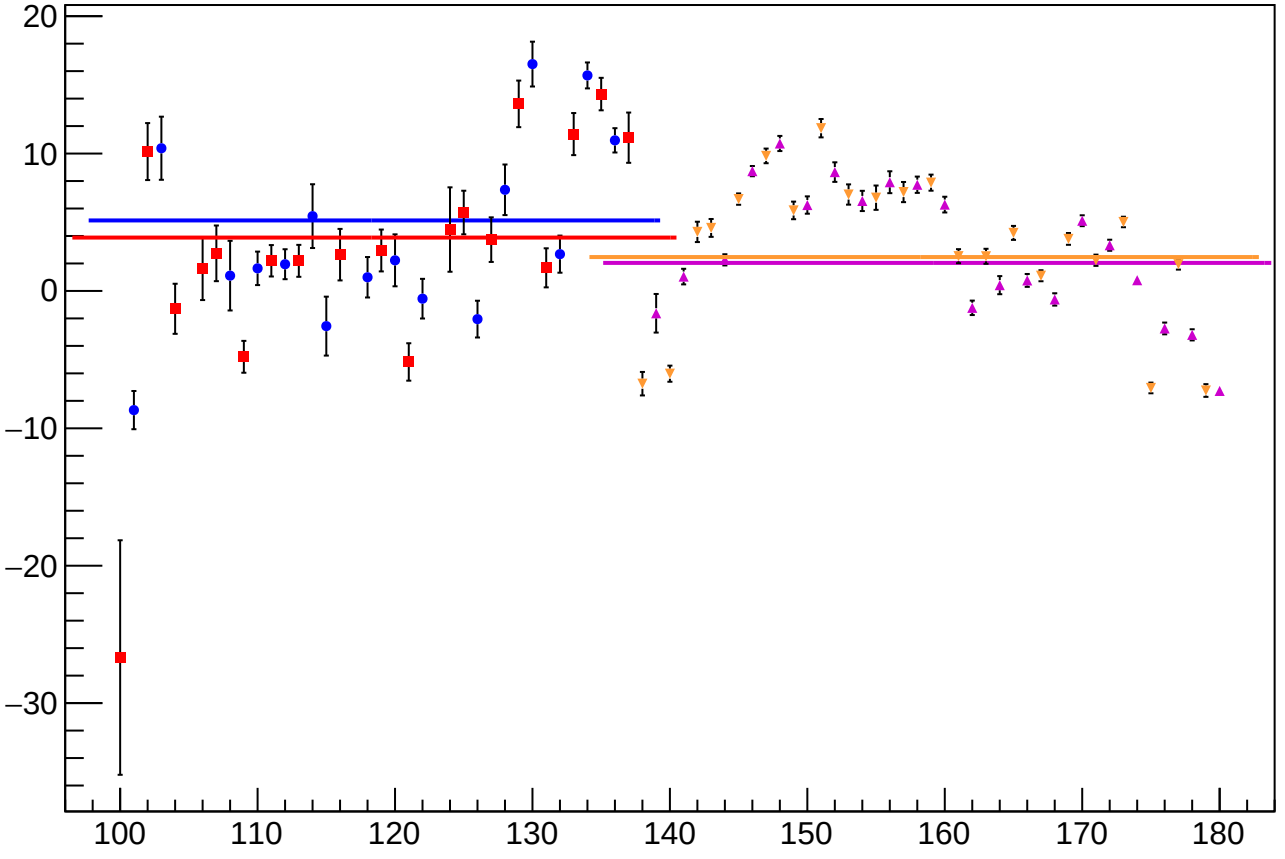
Left In: -47.686+/-0.123 χ^2/NDF:13657.1/20

+ sign -54.566+/-0.120 χ^2/NDF: 17905.1/37

All: -52.841+/-0.083 χ^2/NDF: 39386.4/77

- 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: 2.466+/-0.109 χ^2/NDF:2168.9/21

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

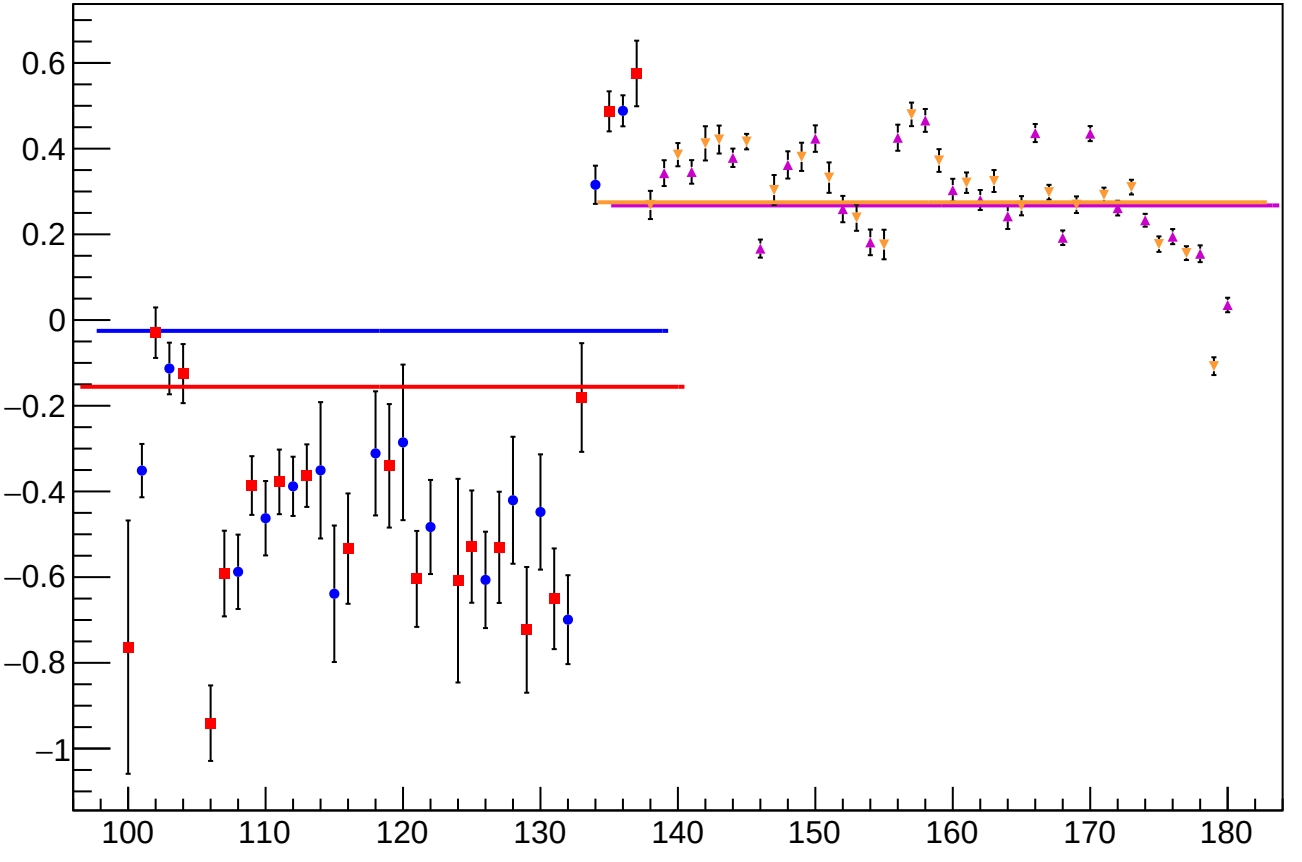
Left In: 2.041+/-0.106 χ^2/NDF:2055.5/20

+ sign 2.704+/-0.104 χ^2/NDF: 2634.1/37

All: 2.440+/-0.073 χ^2/NDF: 5017.6/77

- 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: 0.275+/-0.005 χ^2/NDF:641.0/21

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

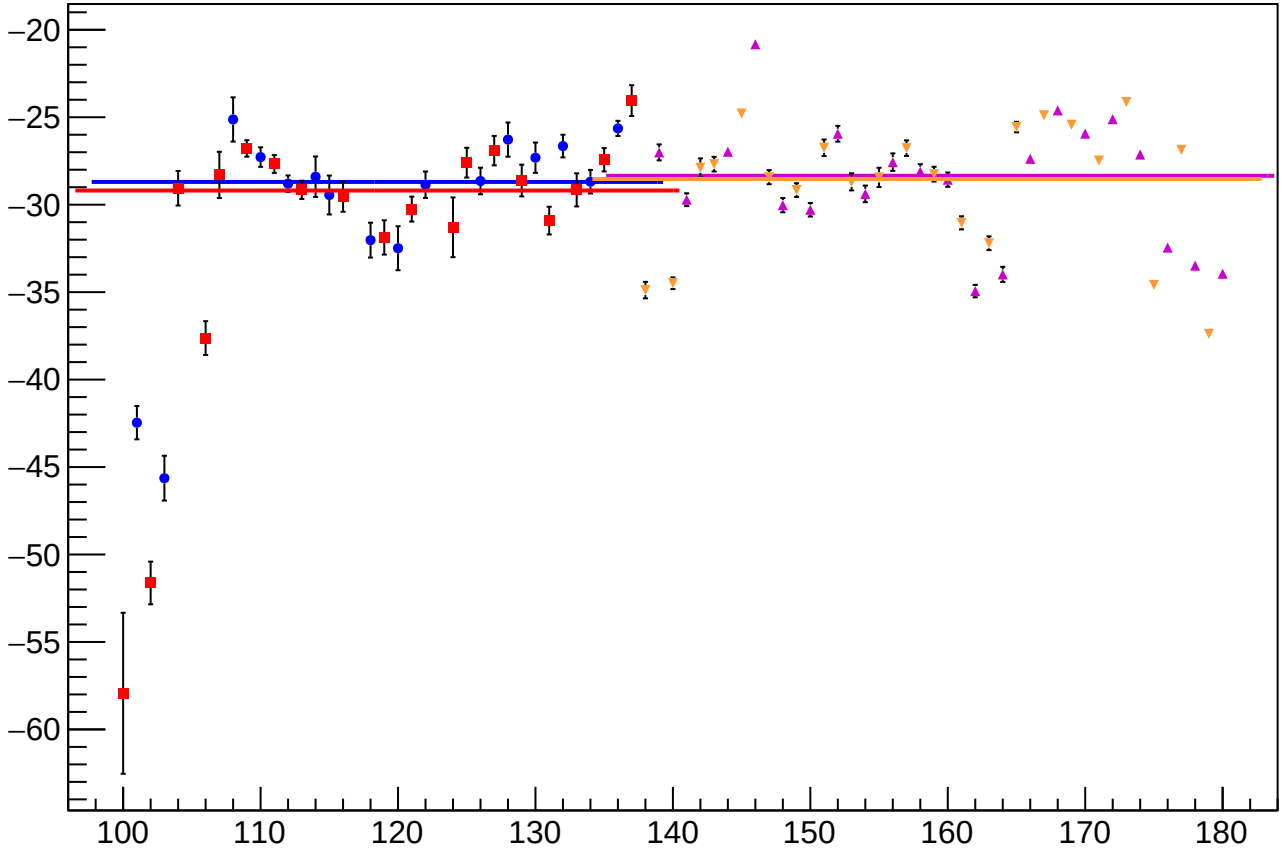
Left In: 0.267+/-0.005 χ^2/NDF:610.2/20

+ sign 0.256+/-0.005 χ^2/NDF: 1388.6/37

All: 0.250+/-0.003 χ^2/NDF: 2911.7/77

- 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: -28.529+/-0.064 χ^2/NDF:4280.9/21

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

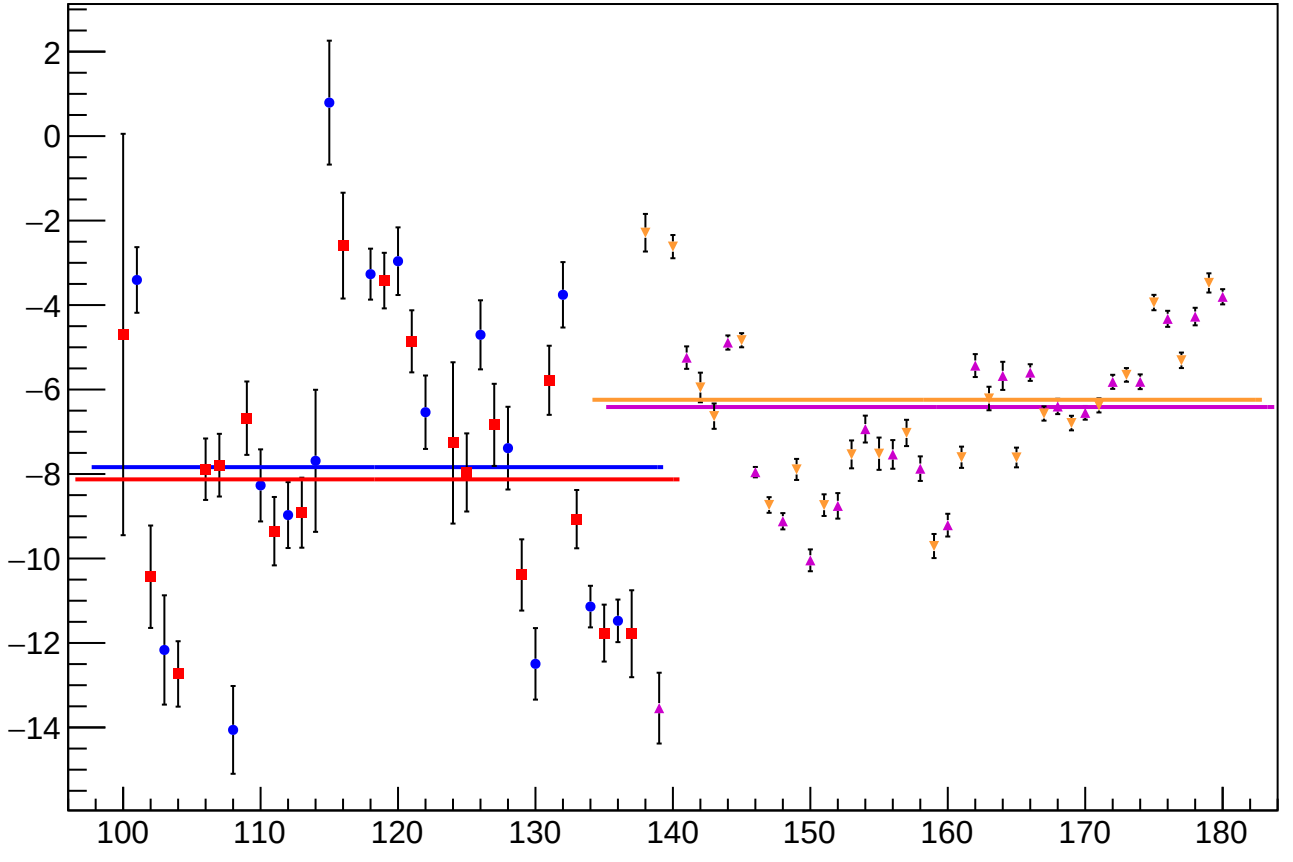
Left In: -28.348+/-0.060 χ^2/NDF:4337.5/20

+ sign -28.547+/-0.060 χ^2/NDF: 4768.9/37

All: -28.486+/-0.041 χ^2/NDF: 9685.1/77

- 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: -6.242+/-0.048 χ^2/NDF:1250.5/21

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

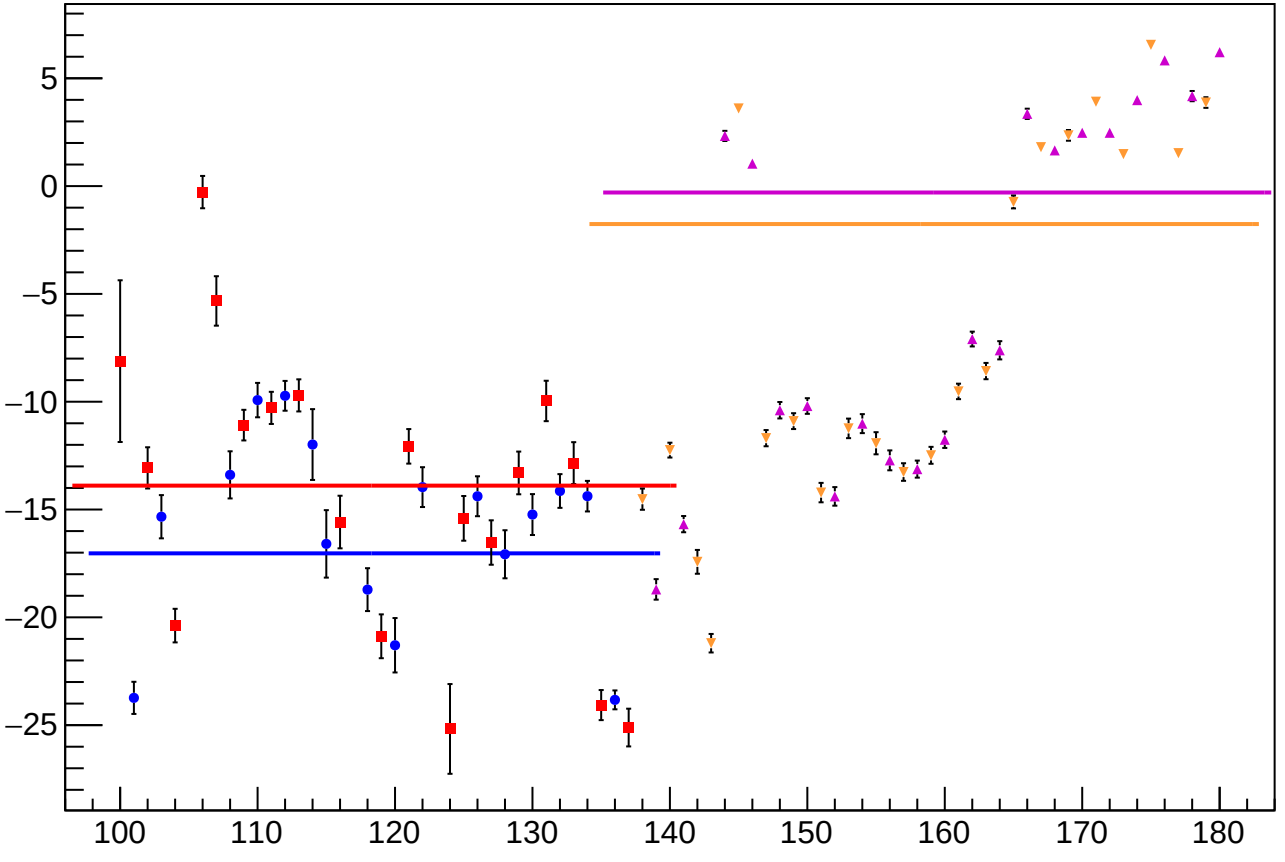
Left In: -6.414+/-0.046 χ^2/NDF:1429.3/20

+ sign -6.332+/-0.046 χ^2/NDF: 1696.8/37

All: -6.420+/-0.032 χ^2/NDF: 3402.4/77

- 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: -1.760+/-0.063 χ^2/NDF:14317.7/21

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

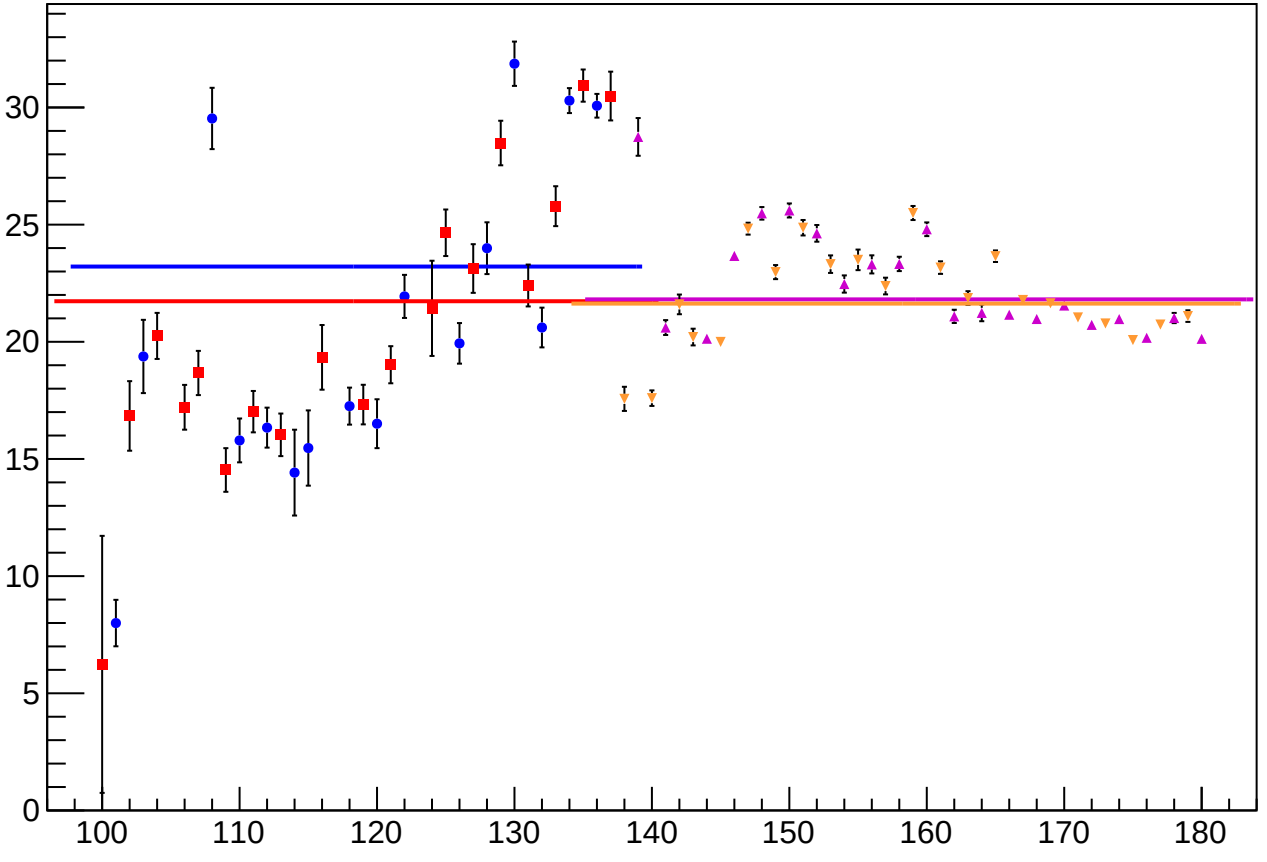
Left In: -0.297+/-0.060 χ^2/NDF:13228.4/20

+ sign -3.038+/-0.061 χ^2/NDF: 19794.7/37

All: -2.144+/-0.042 χ^2/NDF: 38353.9/77

- 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: 21.630+/-0.053 χ^2/NDF:1008.9/21

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

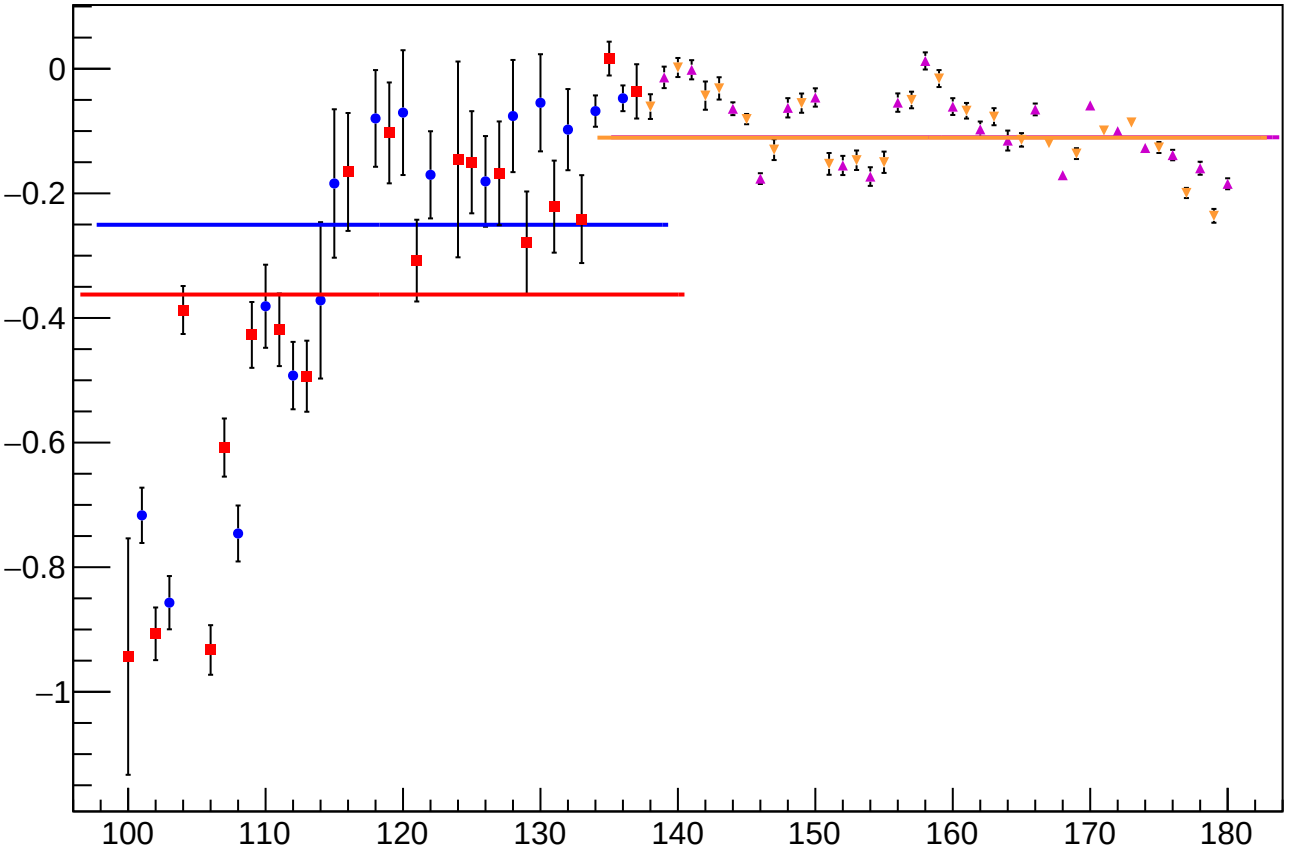
Left In: 21.810+/-0.051 χ^2/NDF:1112.5/20

+ sign 21.719+/-0.052 χ^2/NDF: 2066.7/37

All: 21.765+/-0.036 χ^2/NDF: 3739.1/77

- sign 21.806+/-0.050 χ^2/NDF: 1670.9/39

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.111+/-0.002 χ^2/NDF:490.7/21

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

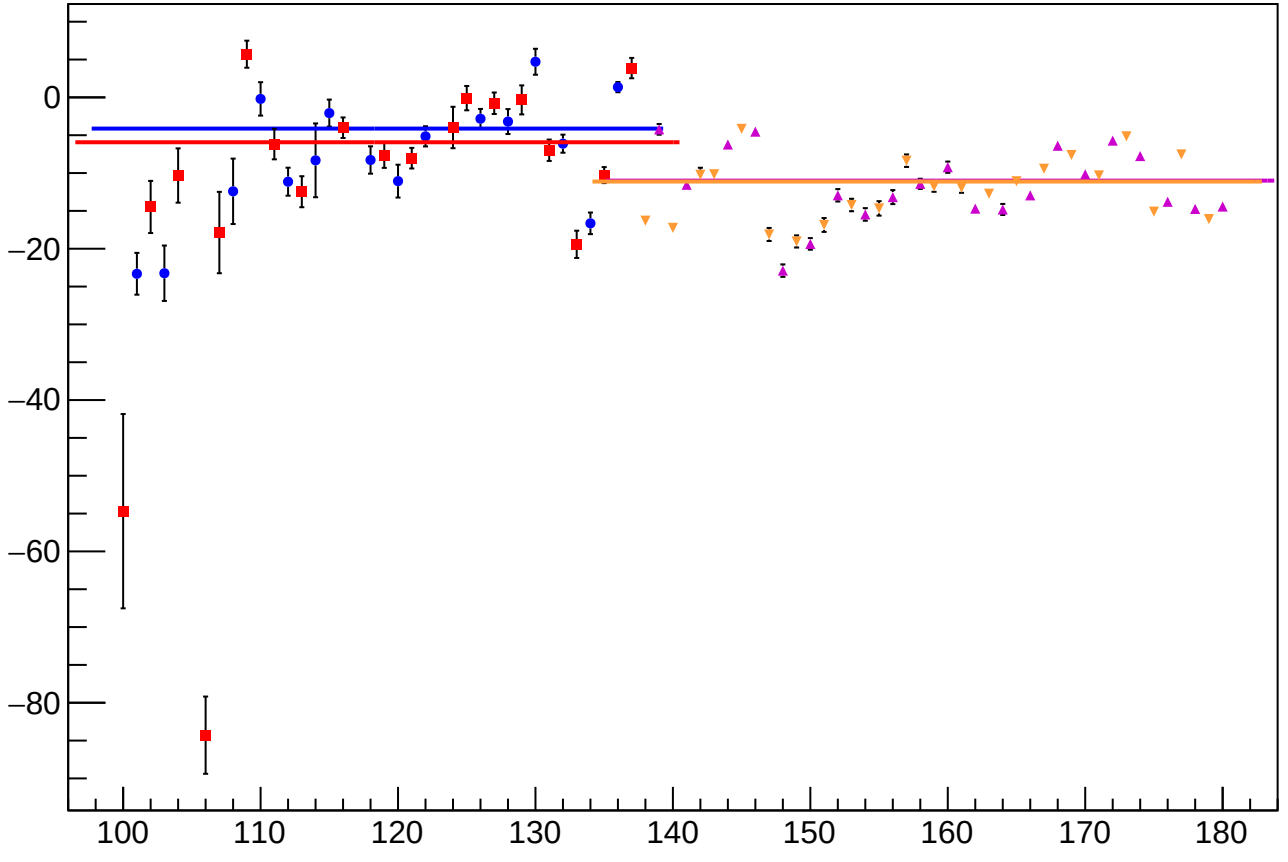
Left In: -0.110+/-0.002 χ^2/NDF:558.4/20

+ sign -0.116+/-0.002 χ^2/NDF: 1262.3/37

All: -0.117+/-0.002 χ^2/NDF: 2929.1/77

- sign -0.119+/-0.002 χ^2/NDF: 1666.3/39

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.122+/-0.109 χ^2/NDF:1547.9/21

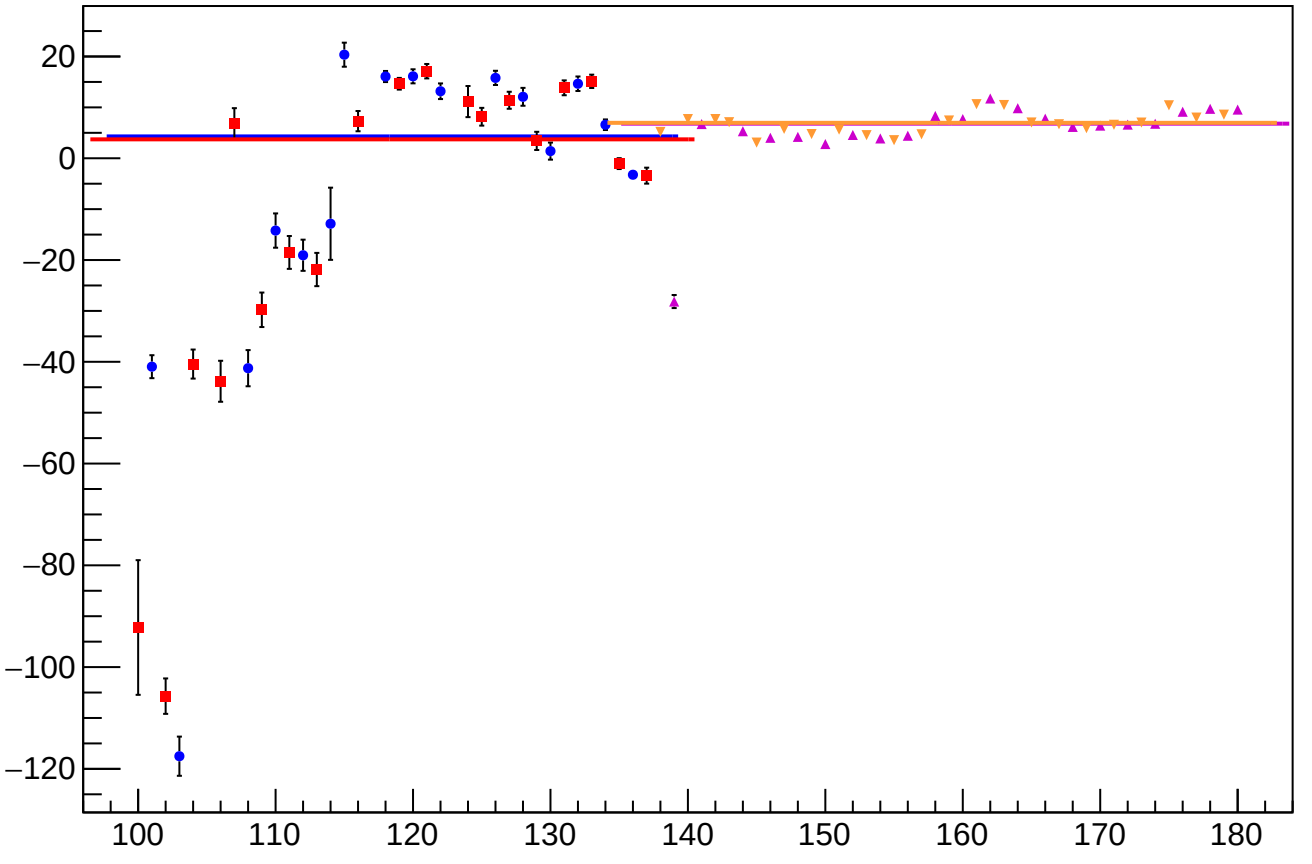
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -11.000+/-0.103 χ^2/NDF:1658.8/20

\+ sign -10.591+/-0.105 χ^2/NDF: 2146.4/37

All: -10.646+/-0.072 χ^2/NDF: 4433.7/77

\- 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: 6.964+/-0.083 χ^2/NDF:587.4/21

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

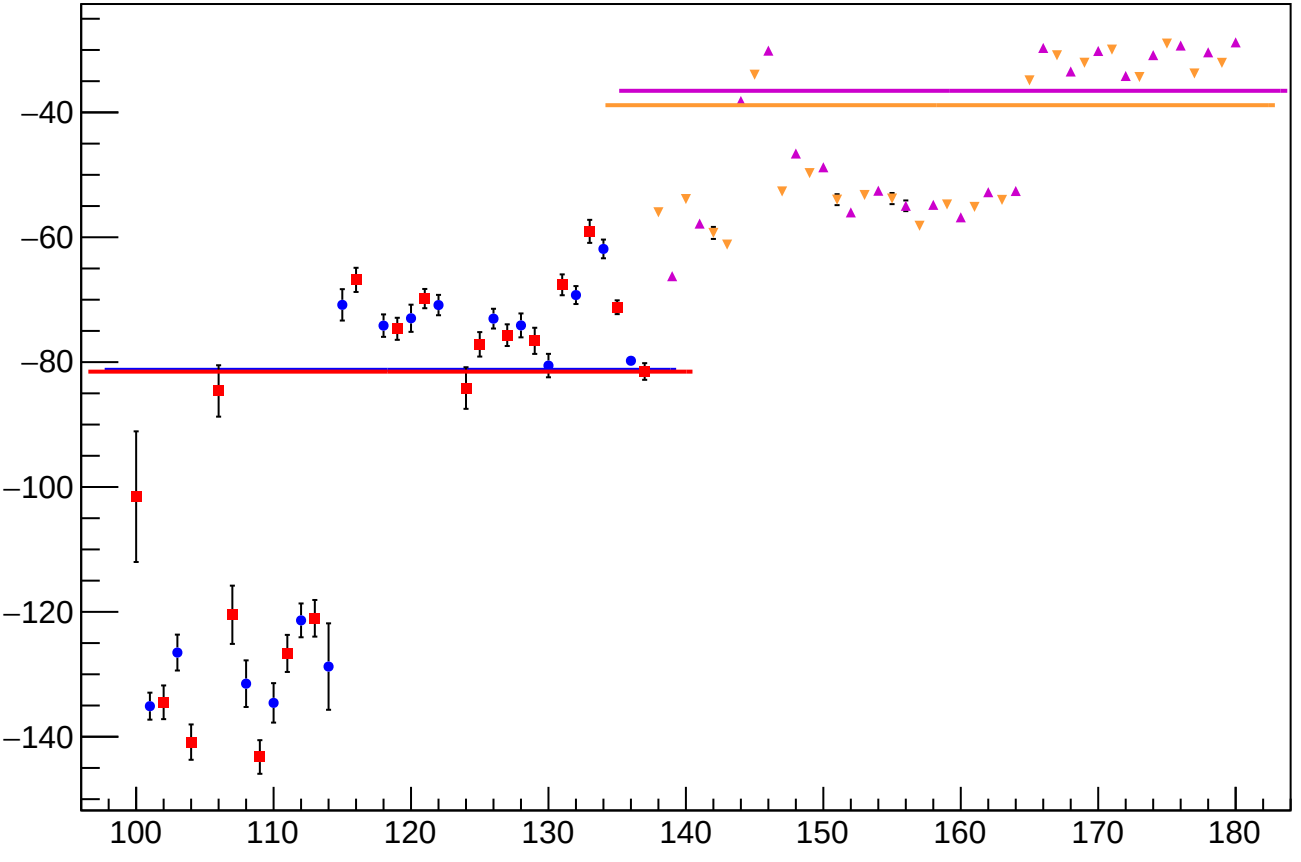
Left In: 6.800+/-0.080 χ^2/NDF:1488.6/20

+ sign 6.844+/-0.081 χ^2/NDF: 2802.5/37

All: 6.766+/-0.057 χ^2/NDF: 6351.5/77

- 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: -38.845+/-0.109 χ^2/NDF:9648.5/21

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

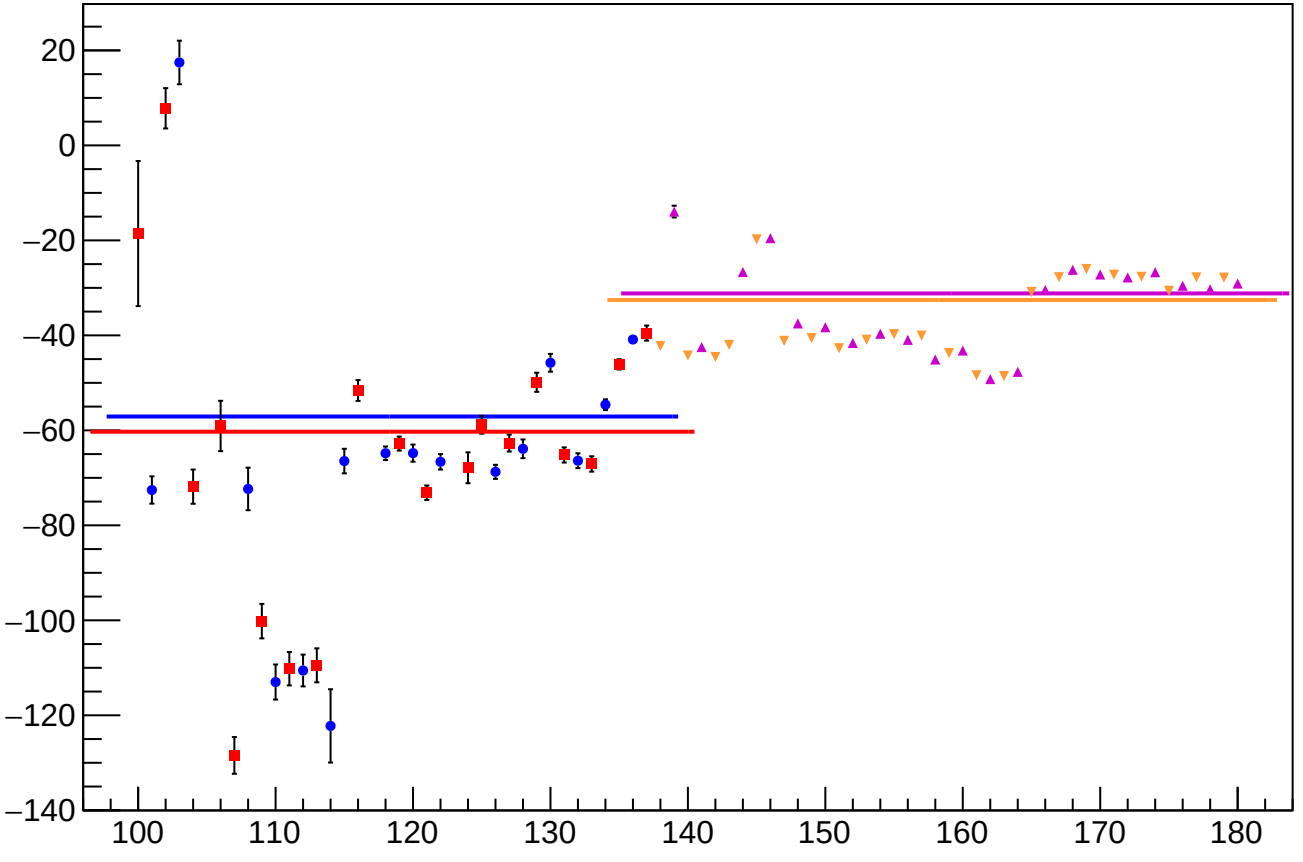
Left In: -36.540+/-0.103 χ^2/NDF:10410.6/20

+ sign -41.558+/-0.105 χ^2/NDF: 21297.6/37

All: -40.037+/-0.073 χ^2/NDF: 43446.1/77

- 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: -32.563+/-0.093 χ^2/NDF:7739.5/21

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

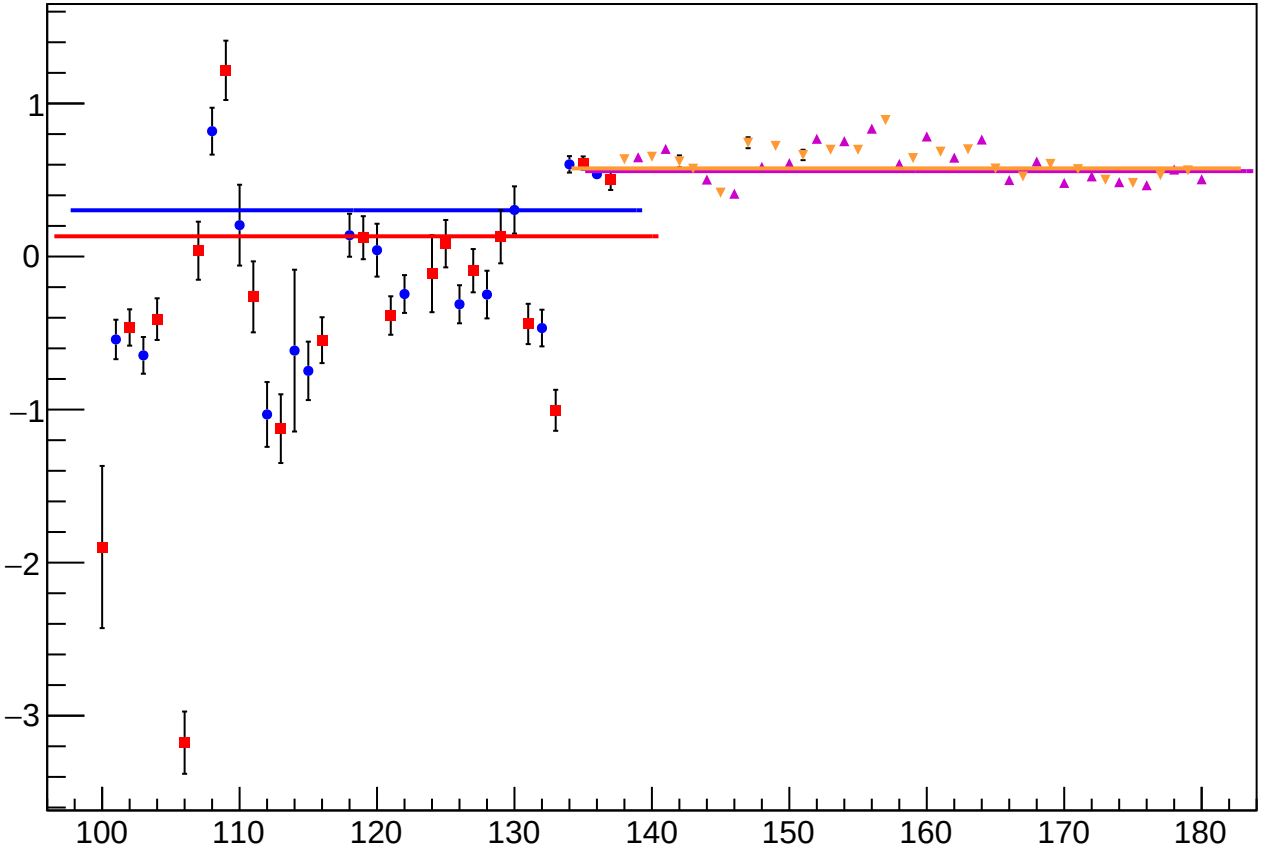
Left In: -31.167+/-0.089 χ^2/NDF:7362.9/20

+ sign -33.682+/-0.091 χ^2/NDF: 12433.7/37

All: -32.908+/-0.063 χ^2/NDF: 25228.9/77

- 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: 0.576+/-0.004 χ^2/NDF:535.1/21

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

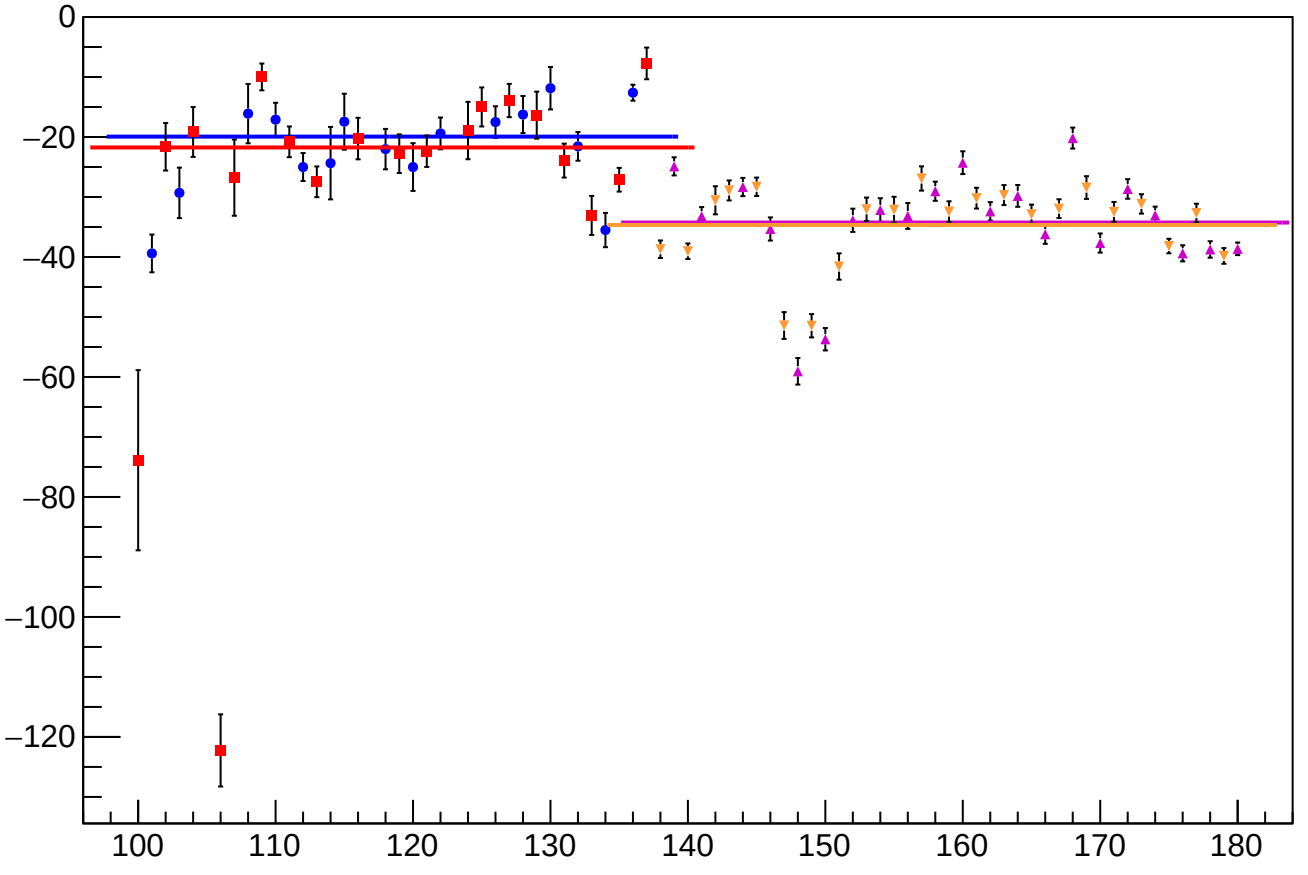
Left In: 0.558+/-0.004 χ^2/NDF:669.1/20

+ sign 0.567+/-0.004 χ^2/NDF: 1047.6/37

All: 0.557+/-0.003 χ^2/NDF: 2652.3/77

- 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: -34.662+/-0.354 χ^2/NDF:274.9/21

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

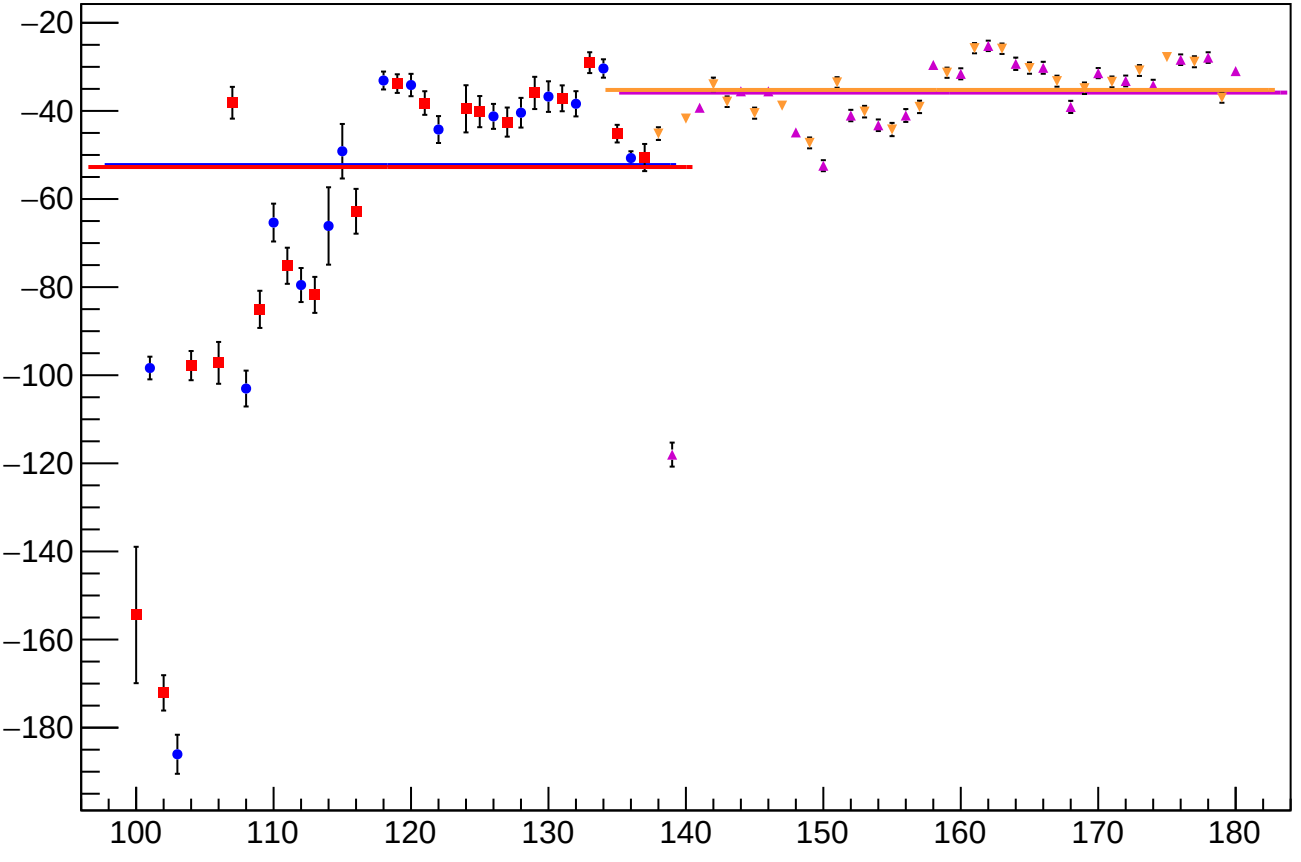
Left In: -34.259+/-0.350 χ^2/NDF:462.0/20

+ sign -31.622+/-0.316 χ^2/NDF: 752.0/37

All: -31.728+/-0.223 χ^2/NDF: 1850.4/77

- 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: -35.240+/-0.264 χ^2/NDF:515.9/21

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

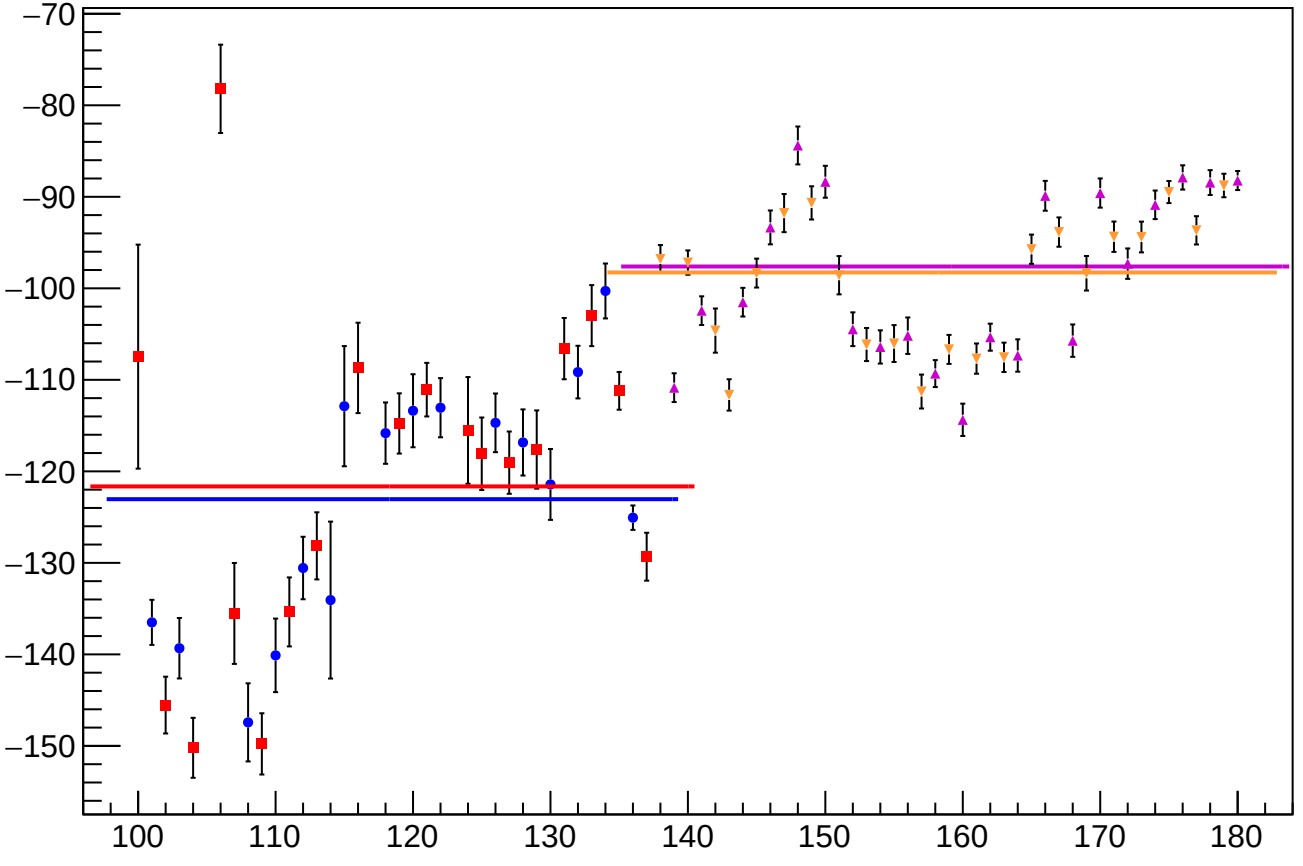
Left In: -35.842+/-0.269 χ^2/NDF:1524.5/20

\+ sign -37.316+/-0.247 χ^2/NDF: 2803.7/37

All: -37.538+/-0.177 χ^2/NDF: 6444.1/77

\- 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: -98.267+/-0.350 χ^2/NDF:411.5/21

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

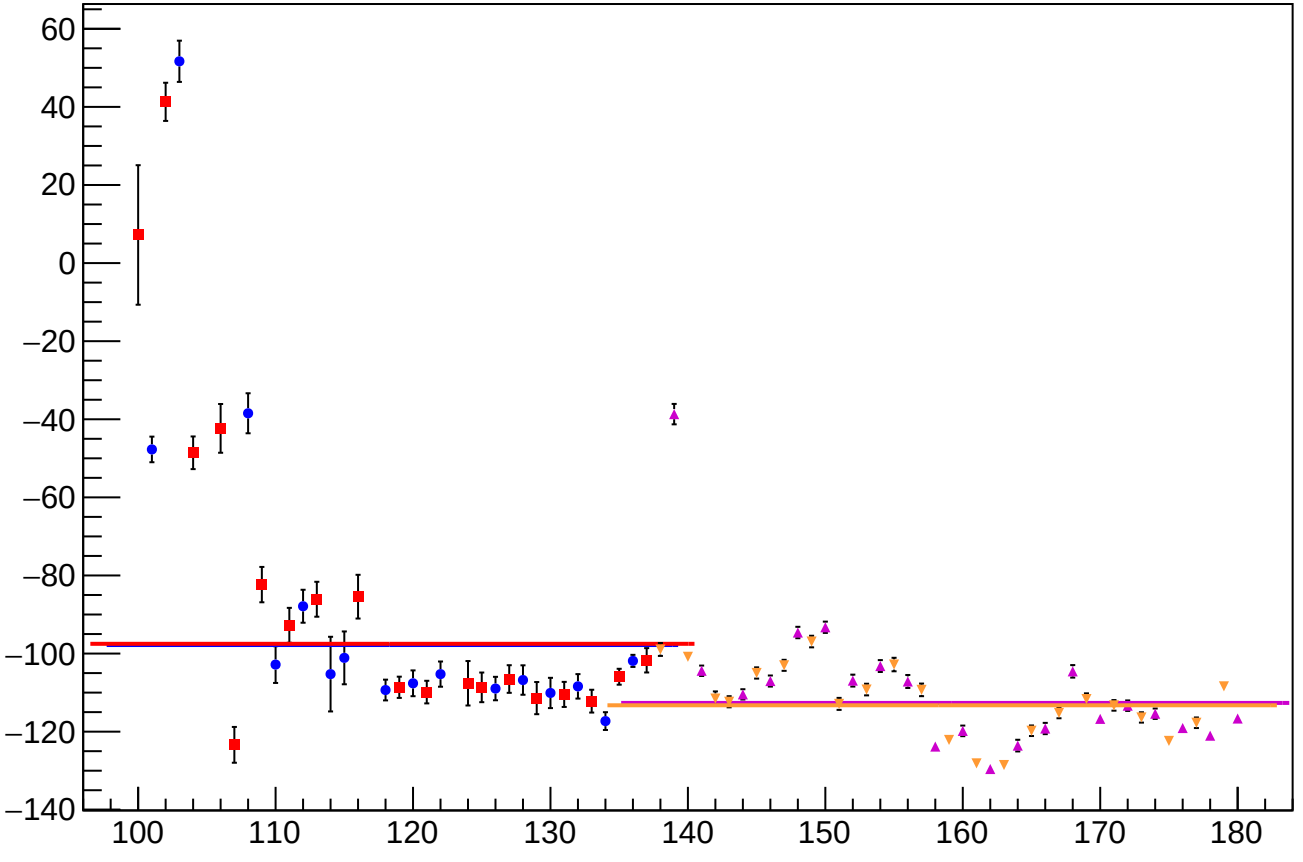
Left In: -97.616+/-0.346 χ^2/NDF:691.5/20

+ sign -102.701+/-0.317 χ^2/NDF: 1534.0/37

All: -102.043+/-0.224 χ^2/NDF: 3417.0/77

- 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: -113.246+/-0.298 χ^2/NDF:888.0/21

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

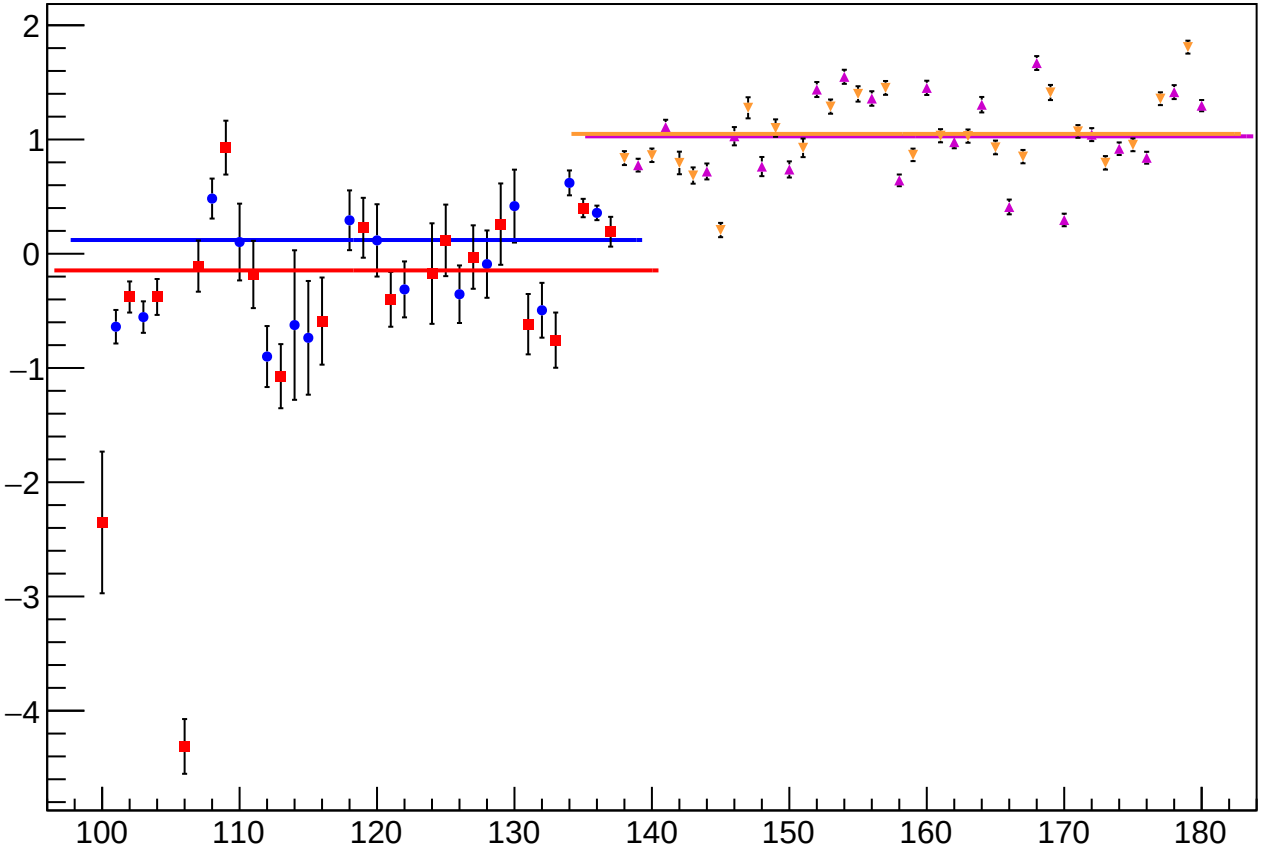
Left In: -112.642+/-0.300 χ^2/NDF:1762.5/20

+ sign -111.338+/-0.279 χ^2/NDF: 2550.7/37

All: -111.141+/-0.199 χ^2/NDF: 5837.0/77

- 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: 1.049+/-0.013 χ^2/NDF:618.2/21

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

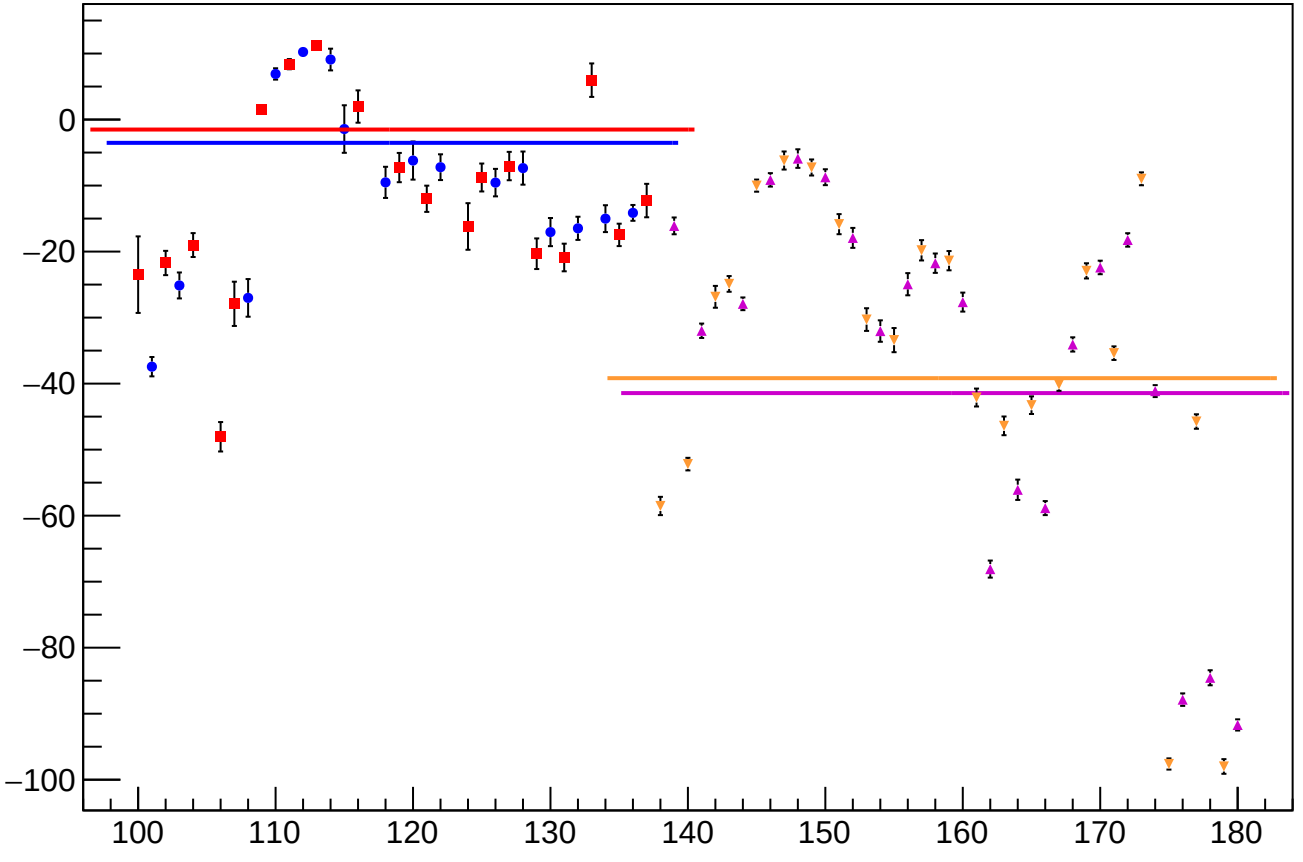
Left In: 1.028+/-0.013 χ^2/NDF:790.8/20

\+ sign 0.960+/-0.013 χ^2/NDF: 1201.3/37

All: 0.947+/-0.009 χ^2/NDF: 3044.4/77

\- 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: -39.175+/-0.254 χ^2/NDF:12212.9/21

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

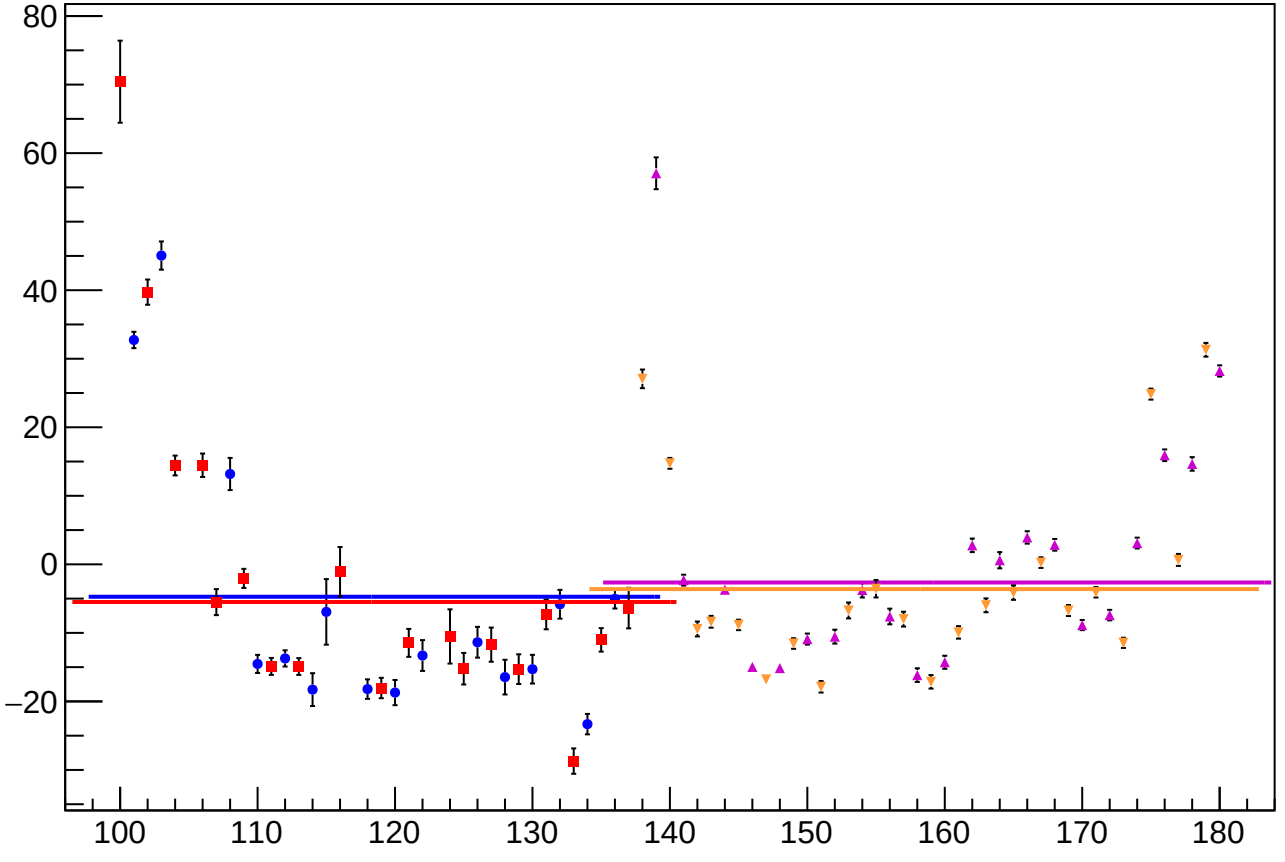
Left In: -41.435+/-0.250 χ^2/NDF:12728.6/20

+ sign -28.021+/-0.211 χ^2/NDF: 19893.1/37

All: -27.660+/-0.146 χ^2/NDF: 43149.9/77

- 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: -3.613+/-0.187 χ^2/NDF:4889.4/21

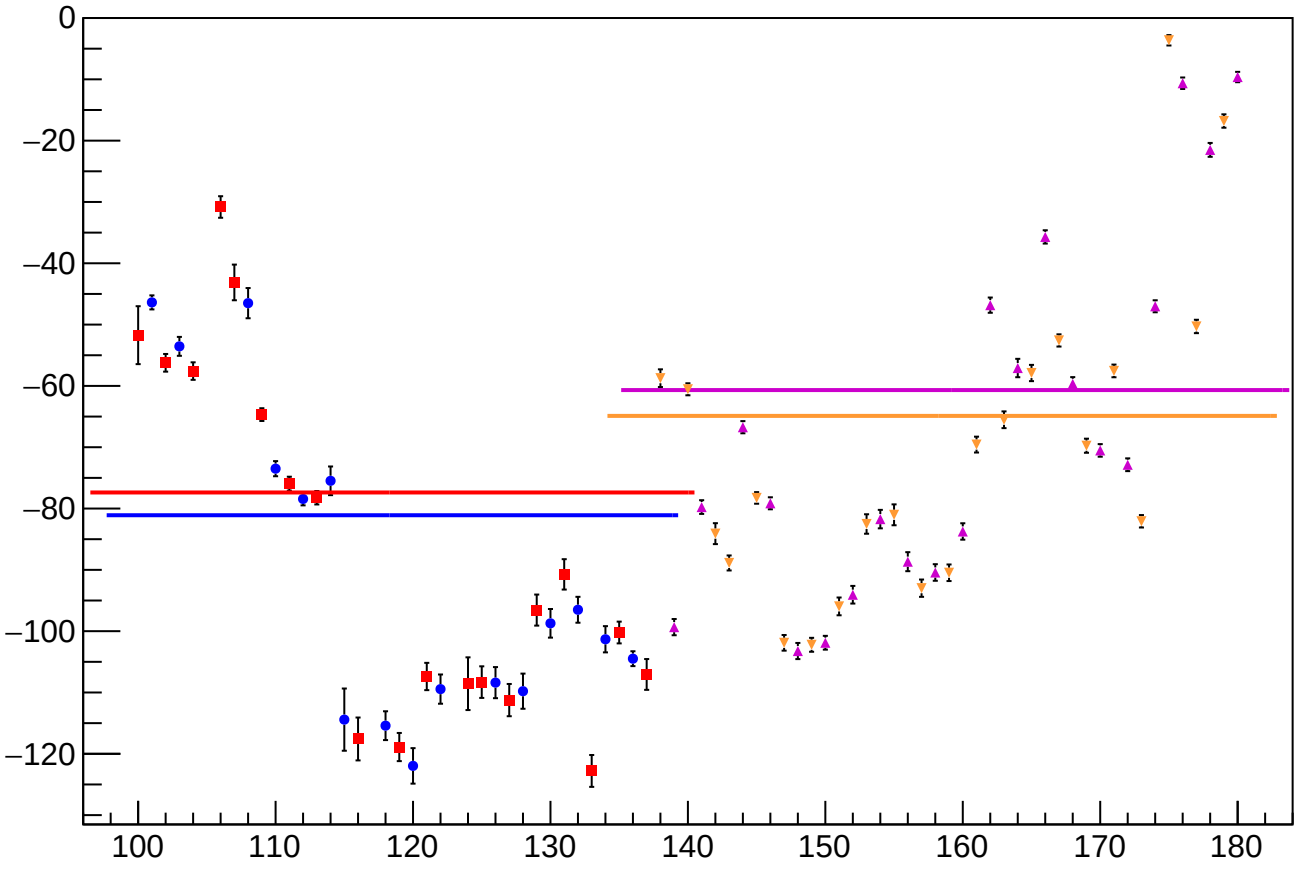
Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -2.649+/-0.188 χ^2/NDF:4435.4/20

+ sign -3.790+/-0.172 χ^2/NDF: 7043.0/37

All: -3.456+/-0.121 χ^2/NDF: 13032.4/77

- 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: -64.889+/-0.252 χ^2/NDF:11962.0/21

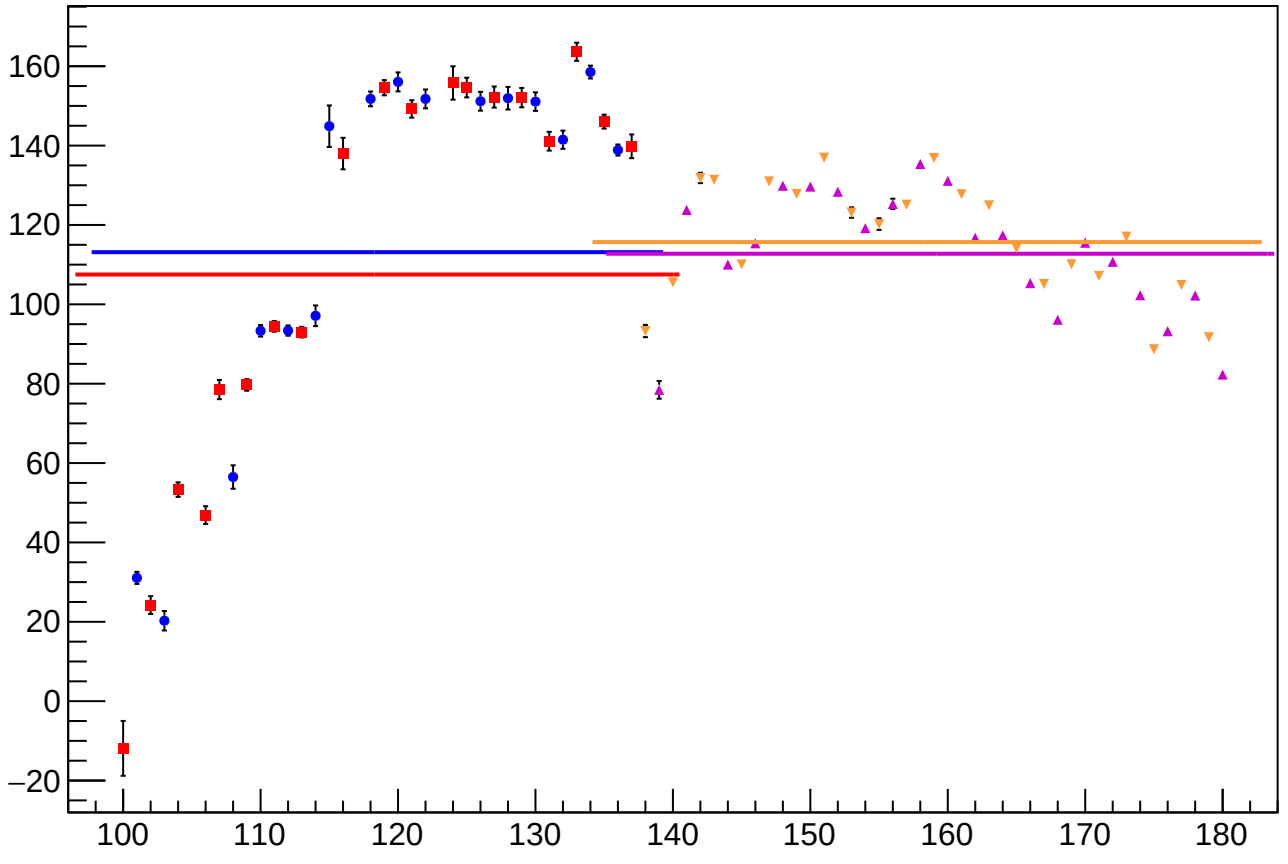
Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -60.678+/-0.248 χ^2/NDF:14575.4/20

+ sign -68.916+/-0.219 χ^2/NDF: 15858.8/37

All: -66.932+/-0.153 χ^2/NDF: 34910.3/77

- sign -65.045+/-0.213 χ^2/NDF: 18890.7/39



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 115.686+/-0.213 χ^2/NDF:4324.4/21

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

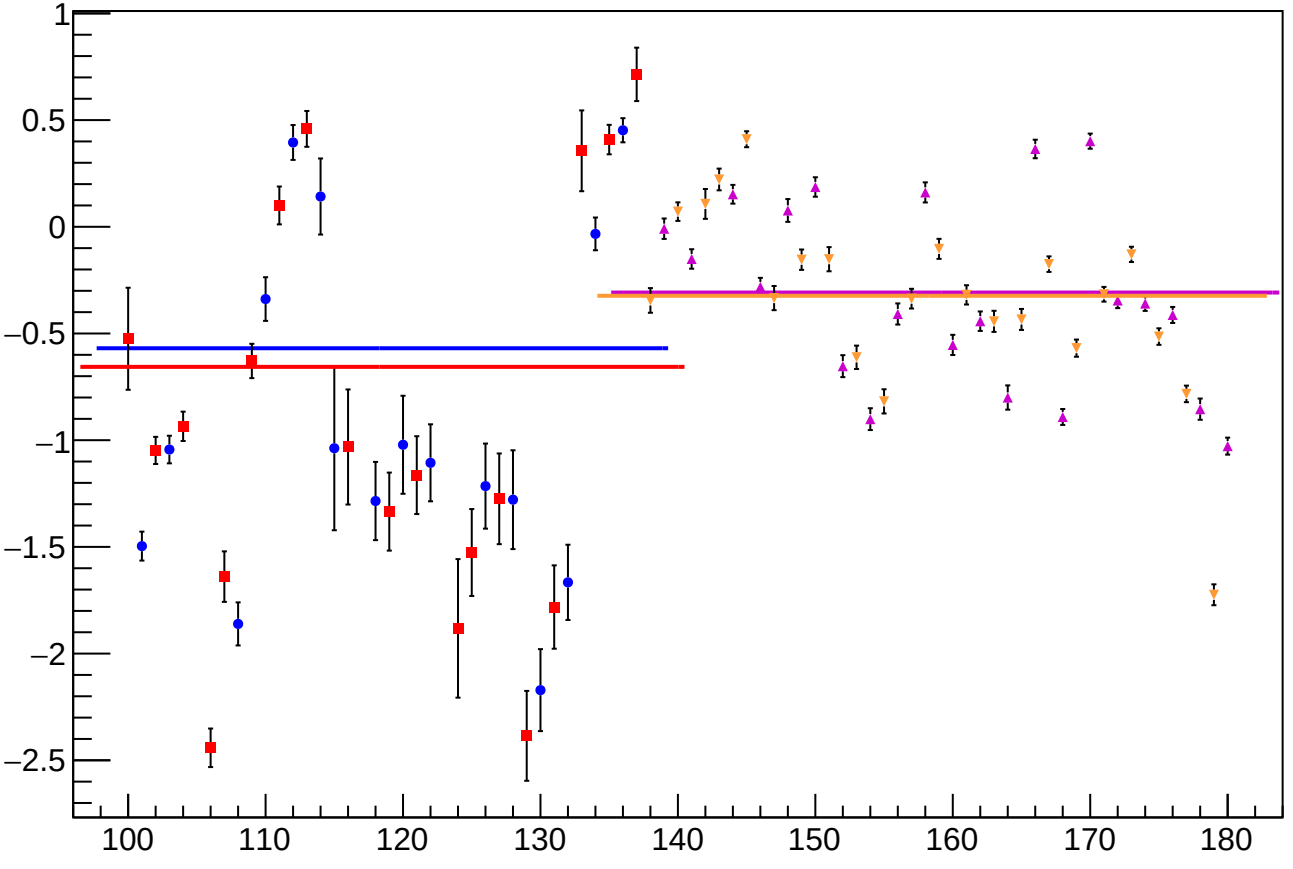
Left In: 112.745+/-0.213 χ^2/NDF:4482.4/20

+ sign 115.281+/-0.195 χ^2/NDF: 12551.2/37

All: 113.578+/-0.138 χ^2/NDF: 24829.3/77

- 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: -0.323+/-0.010 χ^2/NDF:1845.8/21

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

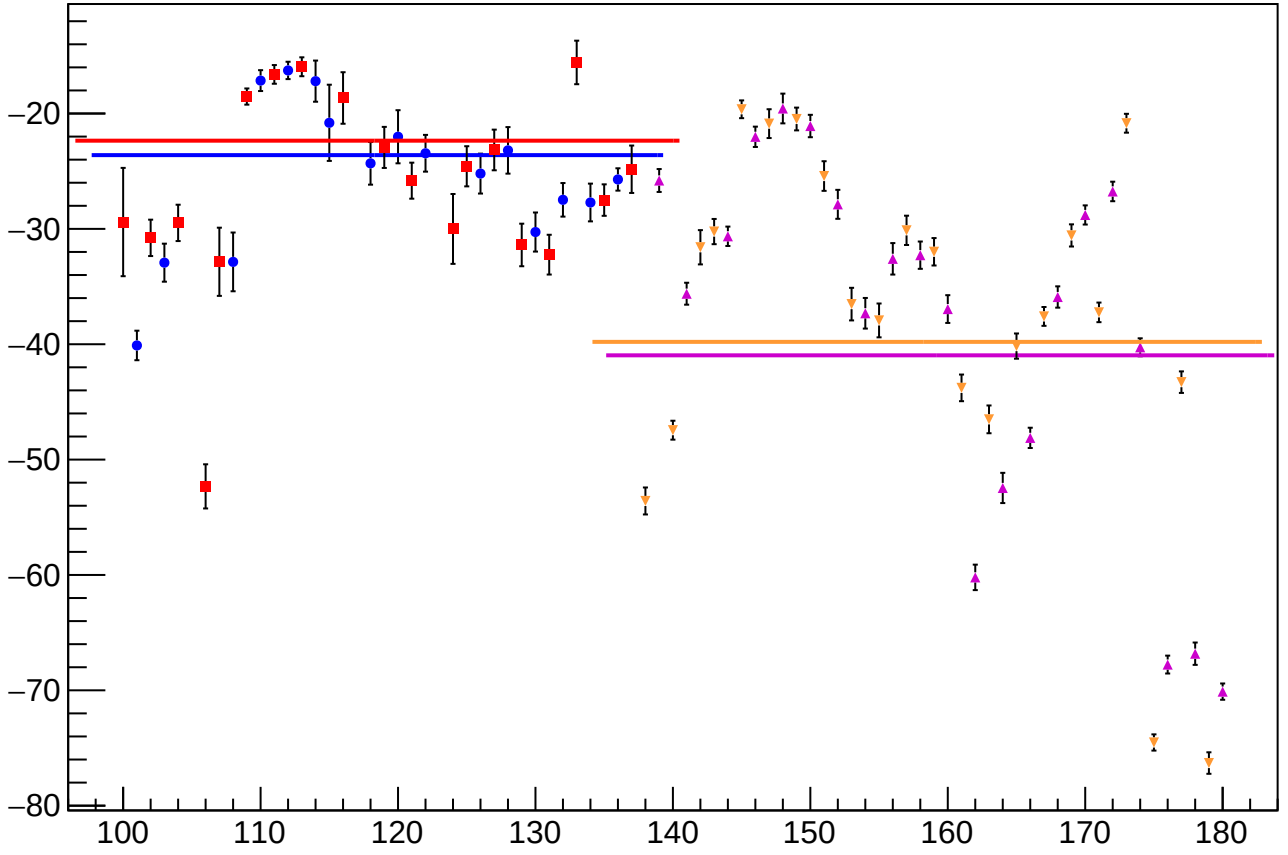
Left In: -0.308+/-0.009 χ^2/NDF:2065.9/20

+ sign -0.353+/-0.009 χ^2/NDF: 3023.1/37

All: -0.352+/-0.006 χ^2/NDF: 6571.3/77

- 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: -39.794+/-0.214 χ^2/NDF:6539.0/21

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

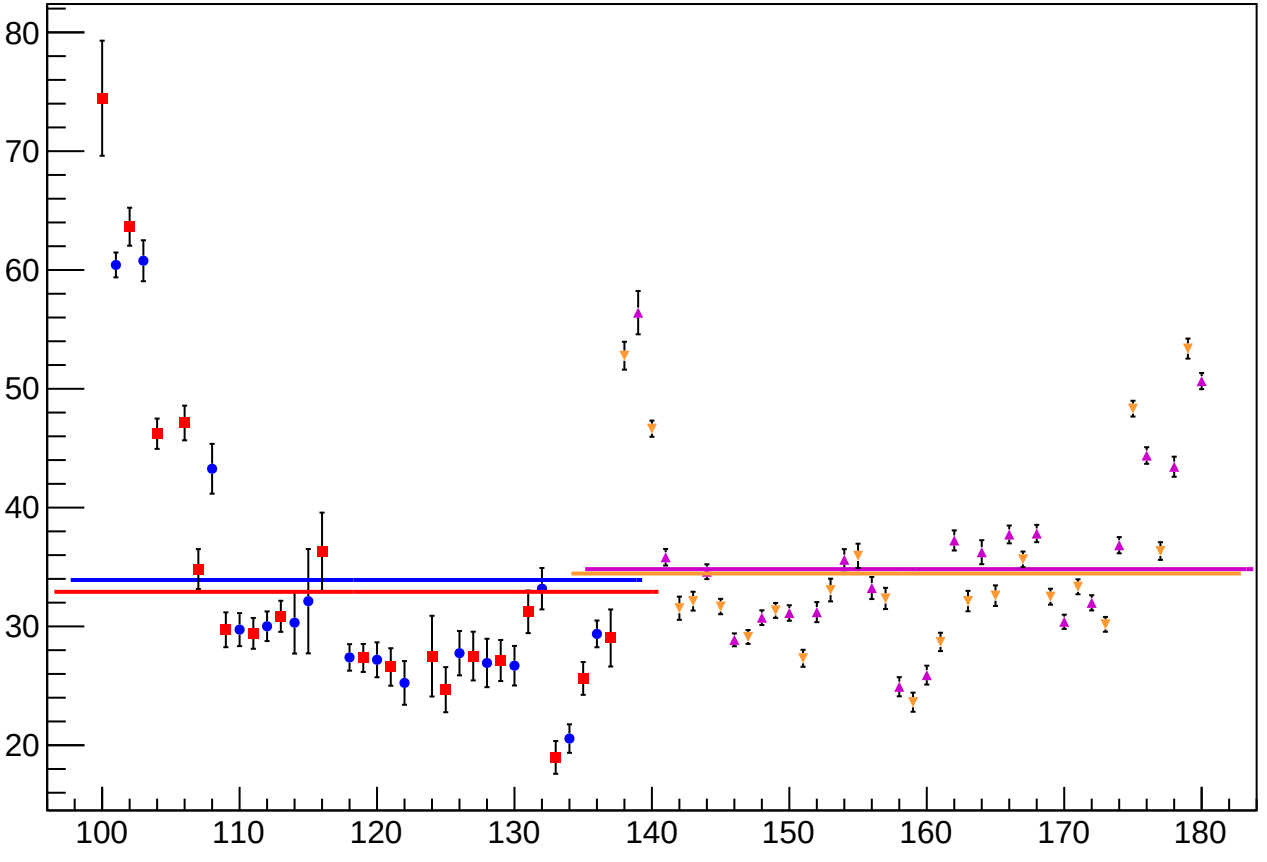
Left In: -40.961+/-0.210 χ^2/NDF:6386.0/20

+ sign -35.357+/-0.182 χ^2/NDF: 8513.2/37

All: -35.387+/-0.127 χ^2/NDF: 17798.3/77

- 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: 34.451+/-0.159 χ^2/NDF:2071.7/21

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

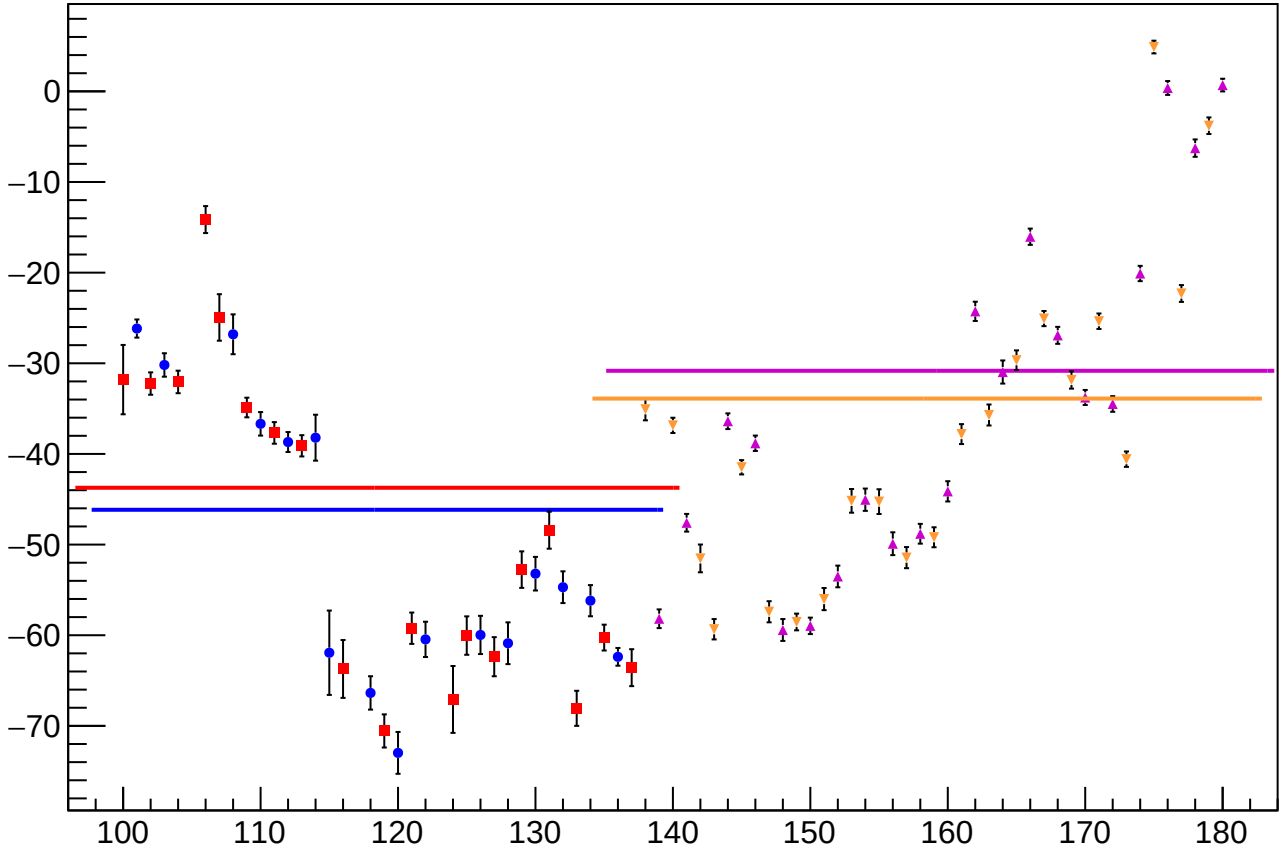
Left In: 34.821+/-0.160 χ^2/NDF:1595.3/20

+ sign 34.369+/-0.146 χ^2/NDF: 3257.9/37

All: 34.446+/-0.104 χ^2/NDF: 5750.9/77

- 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: -33.893+/-0.212 χ^2/NDF:7352.1/21

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

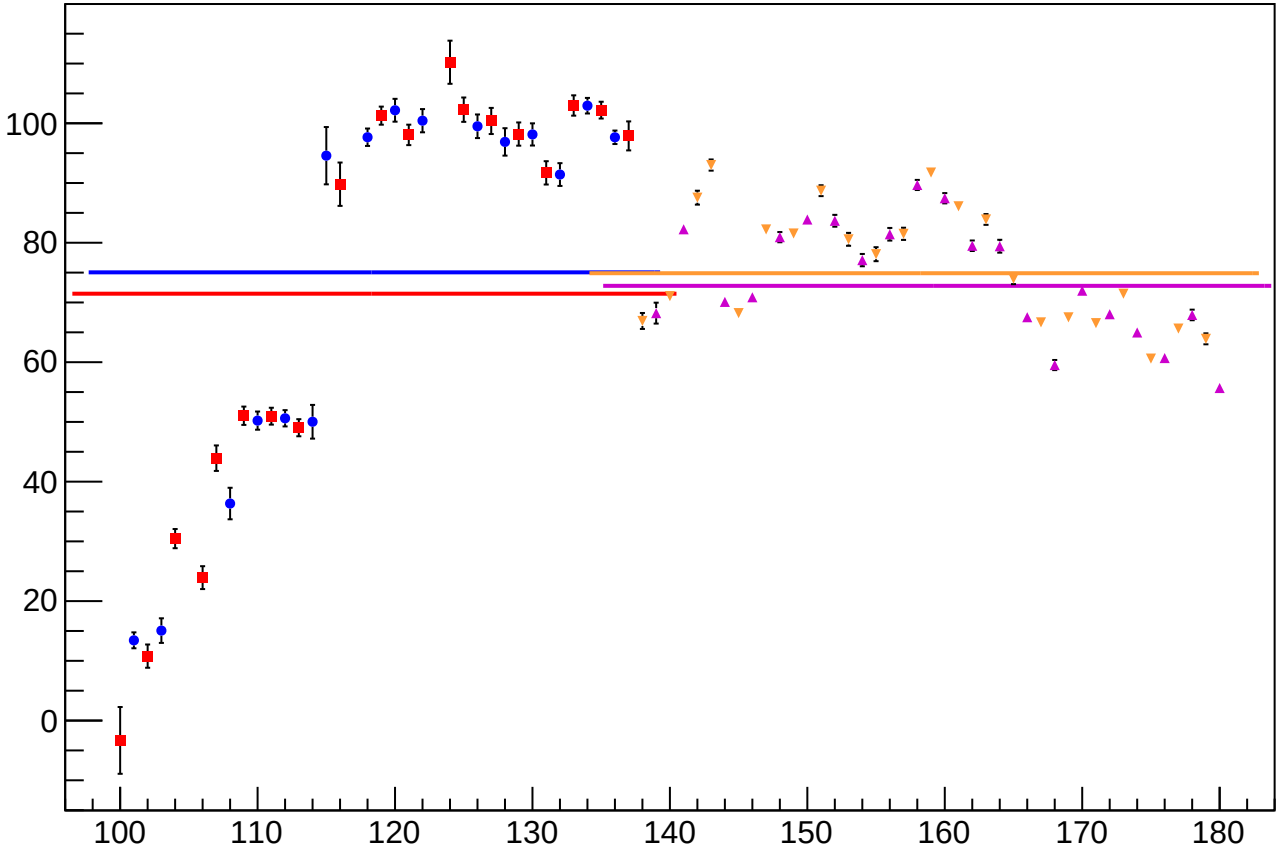
Left In: -30.828+/-0.208 χ^2/NDF:8649.1/20

+ sign -36.694+/-0.186 χ^2/NDF: 9605.9/37

All: -35.224+/-0.130 χ^2/NDF: 20933.7/77

- 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: 74.897+/-0.180 χ^2/NDF:2879.5/21

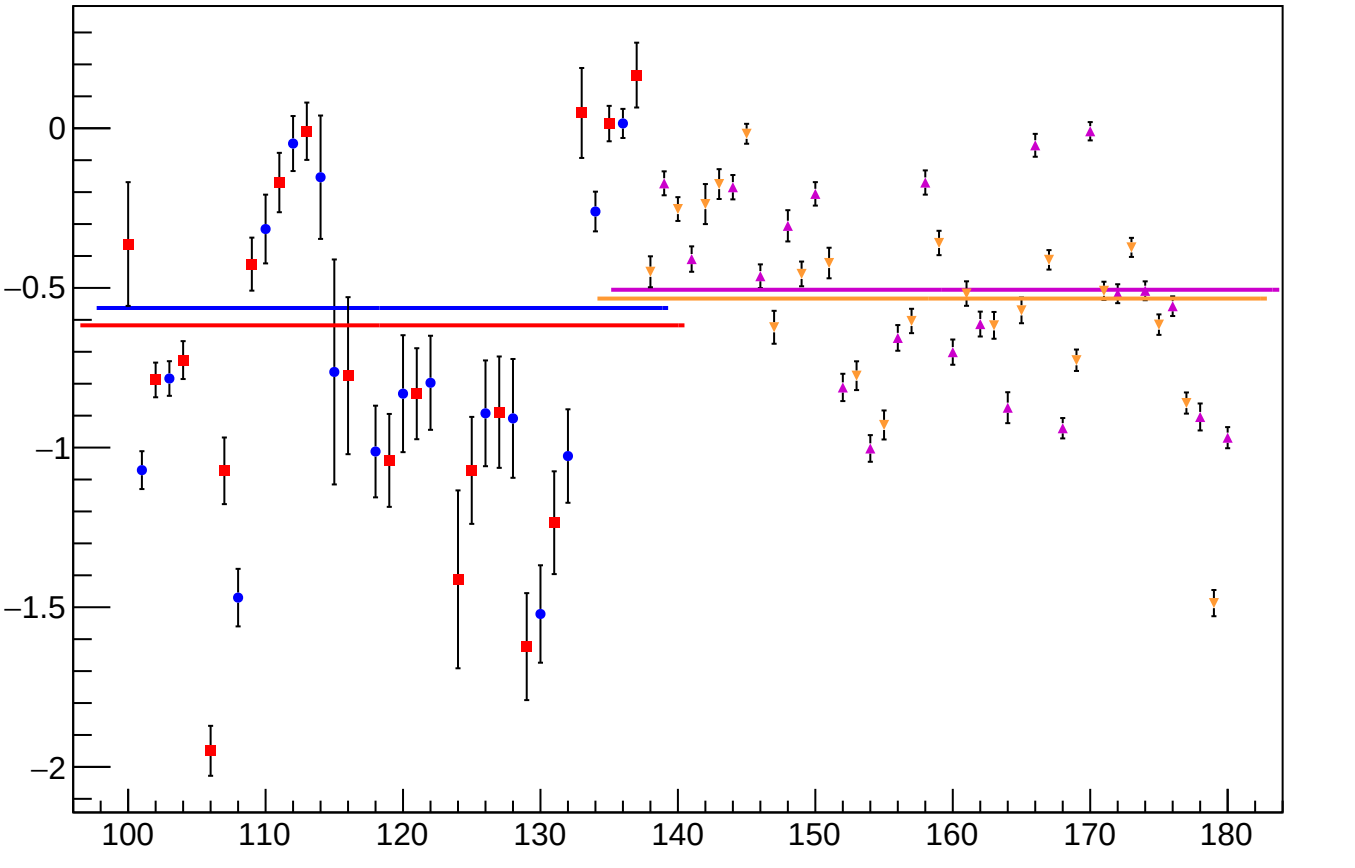
Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 72.784+/-0.179 χ^2/NDF:2766.3/20

+ sign 74.919+/-0.166 χ^2/NDF: 8707.8/37

All: 73.750+/-0.117 χ^2/NDF: 17209.7/77

- sign 72.586+/-0.165 χ^2/NDF: 8402.5/39



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.533+/-0.008 χ^2/NDF:1282.2/21

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

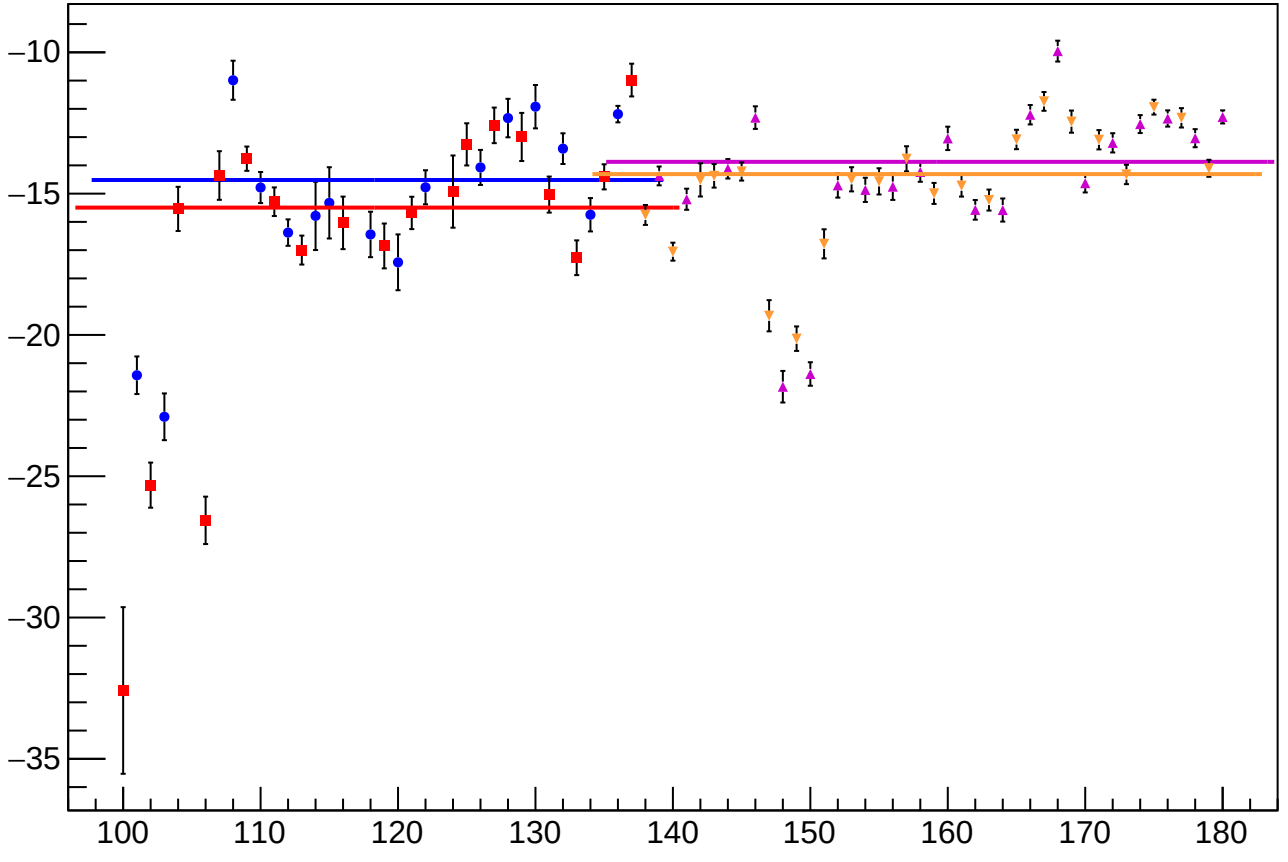
Left In: -0.506+/-0.008 χ^2/NDF:1547.7/20

+ sign -0.537+/-0.008 χ^2/NDF: 1776.8/37

All: -0.527+/-0.005 χ^2/NDF: 4039.8/77

- 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: -14.309+/-0.079 χ^2/NDF:613.0/21

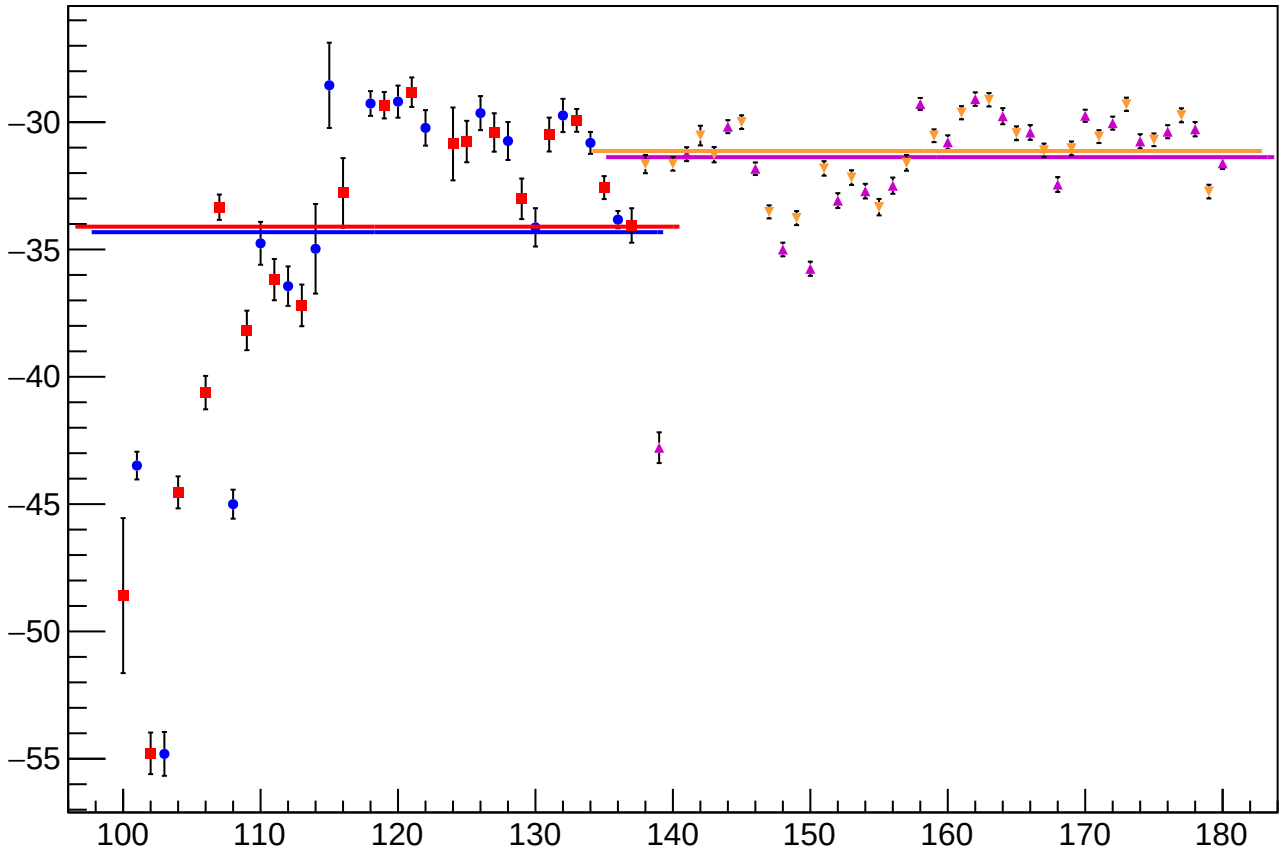
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -13.875+/-0.077 χ^2/NDF:863.2/20

+ sign -14.355+/-0.070 χ^2/NDF: 977.9/37

All: -14.283+/-0.049 χ^2/NDF: 2439.1/77

- sign -14.215+/-0.069 χ^2/NDF: 1459.1/39



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.132+/-0.059 χ^2/NDF:492.0/21

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

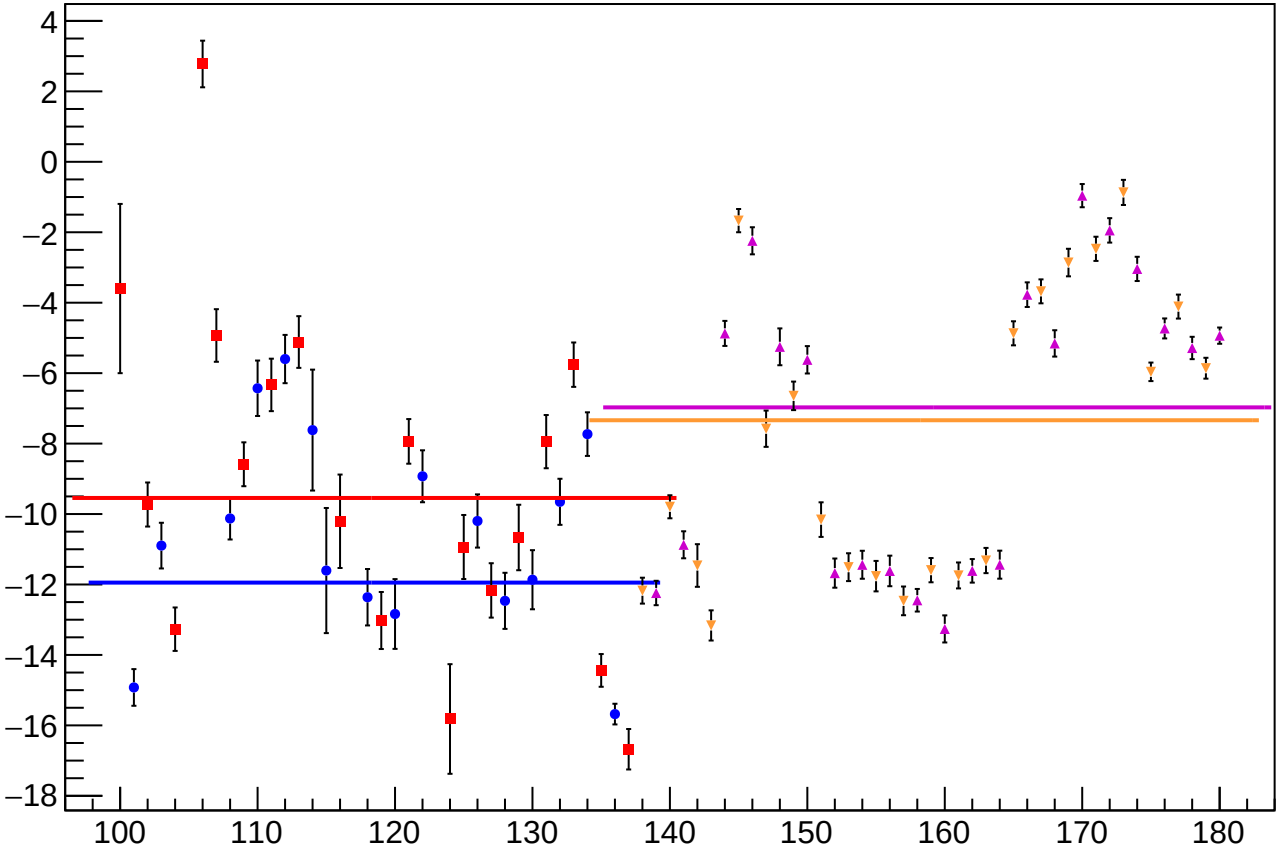
Left In: -31.374+/-0.060 χ^2/NDF:1192.4/20

+ sign -31.547+/-0.055 χ^2/NDF: 2489.0/37

All: -31.639+/-0.039 χ^2/NDF: 5394.2/77

- 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: -7.337+/-0.078 χ^2/NDF:2556.5/21

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

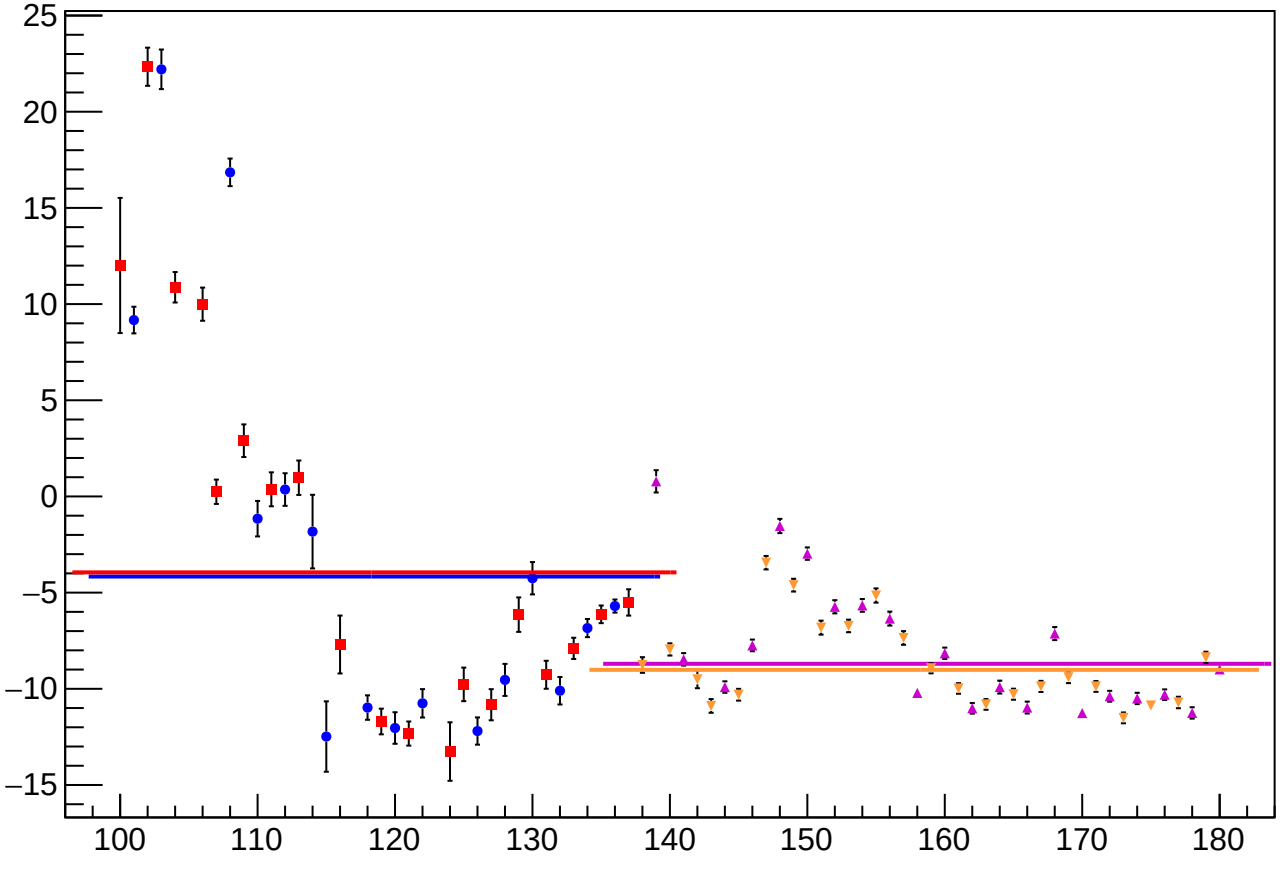
Left In: -6.972+/-0.076 χ^2/NDF:2740.4/20

+ sign -8.222+/-0.070 χ^2/NDF: 3655.9/37

All: -7.818+/-0.049 χ^2/NDF: 7508.6/77

- 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: -9.014+/-0.066 χ^2/NDF:960.4/21

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

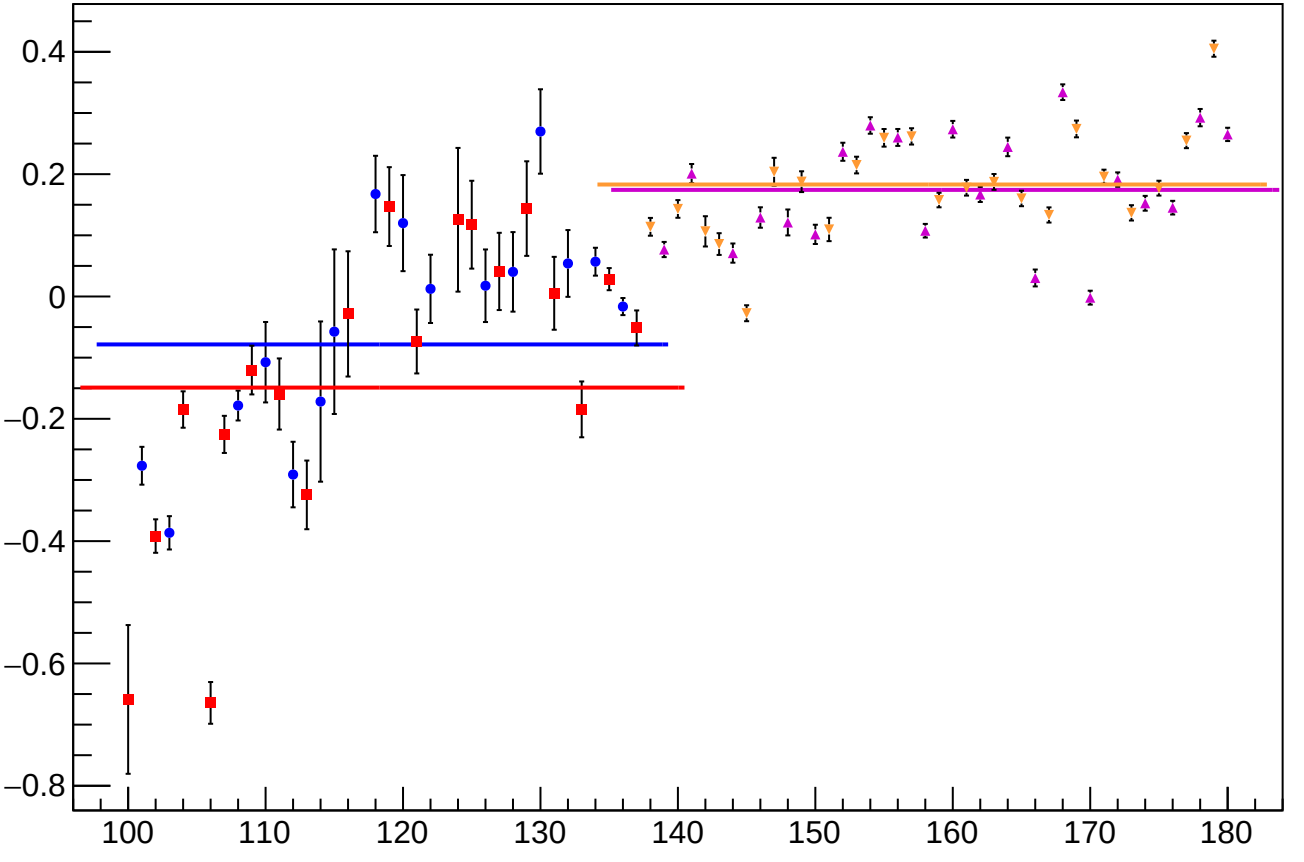
Left In: -8.699+/-0.066 χ^2/NDF:1661.8/20

+ sign -8.383+/-0.062 χ^2/NDF: 4178.0/37

All: -8.245+/-0.044 χ^2/NDF: 8597.9/77

- sign -8.106+/-0.062 χ^2/NDF: 4410.0/39

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.183+/-0.003 χ^2/NDF:817.4/21

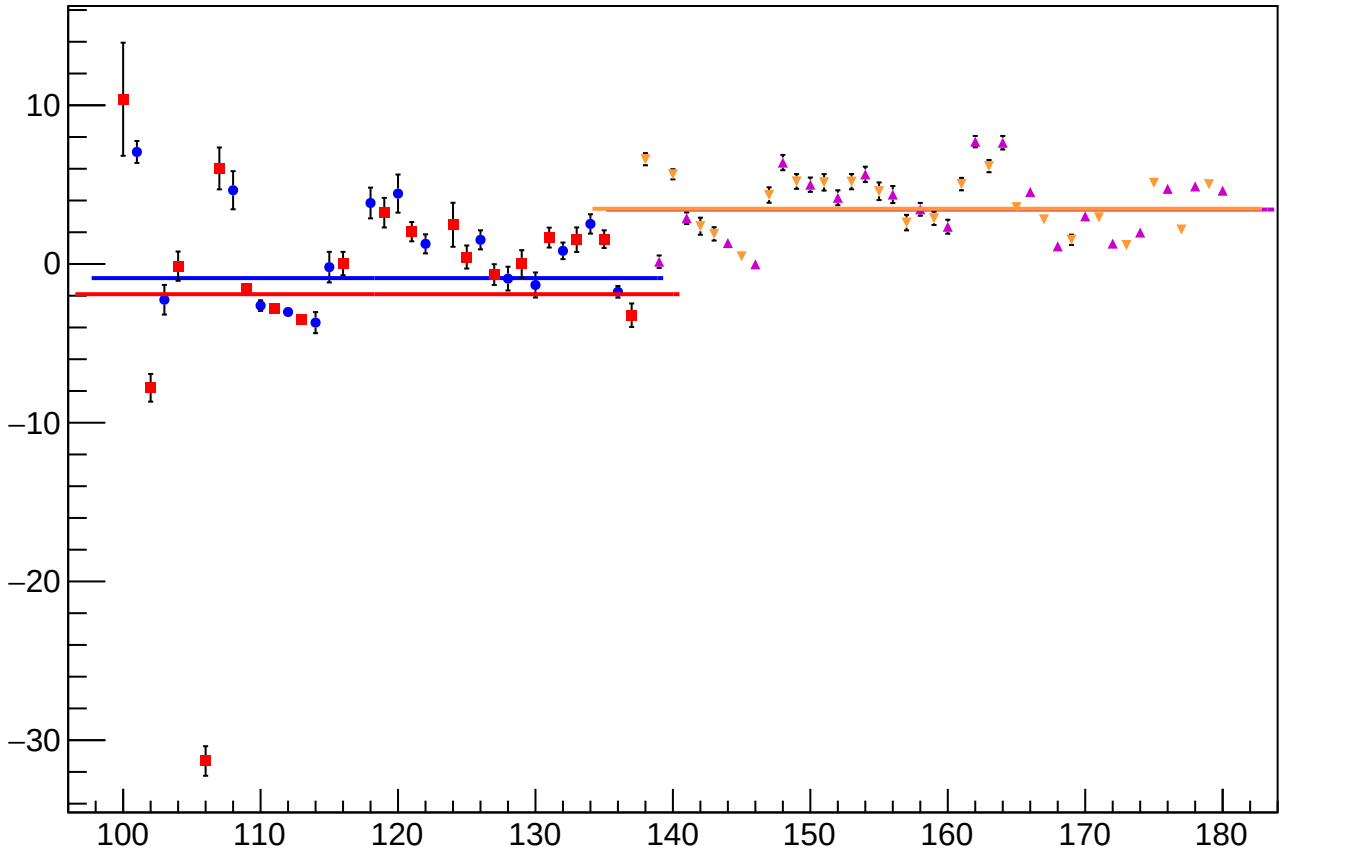
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.174+/-0.003 χ^2/NDF:1026.1/20

+ sign 0.155+/-0.003 χ^2/NDF: 1968.0/37

All: 0.150+/-0.002 χ^2/NDF: 4677.9/77

- 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: 3.481+/-0.072 χ^2/NDF:615.1/21

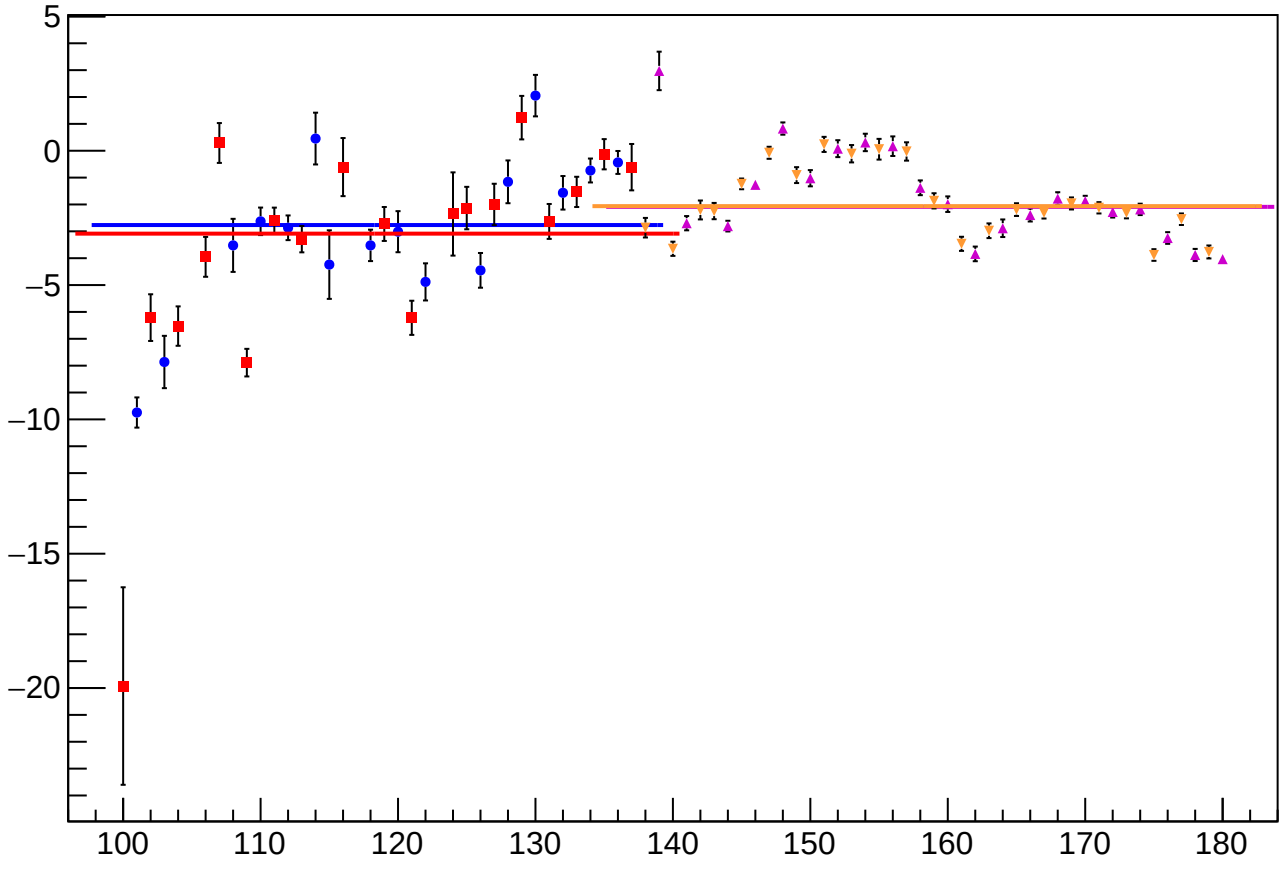
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.431+/-0.069 χ^2/NDF:856.5/20

+ sign 2.524+/-0.064 χ^2/NDF: 1794.8/37

All: 2.370+/-0.044 χ^2/NDF: 5332.3/77

- 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: -2.063+/-0.054 χ^2/NDF:490.0/21

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

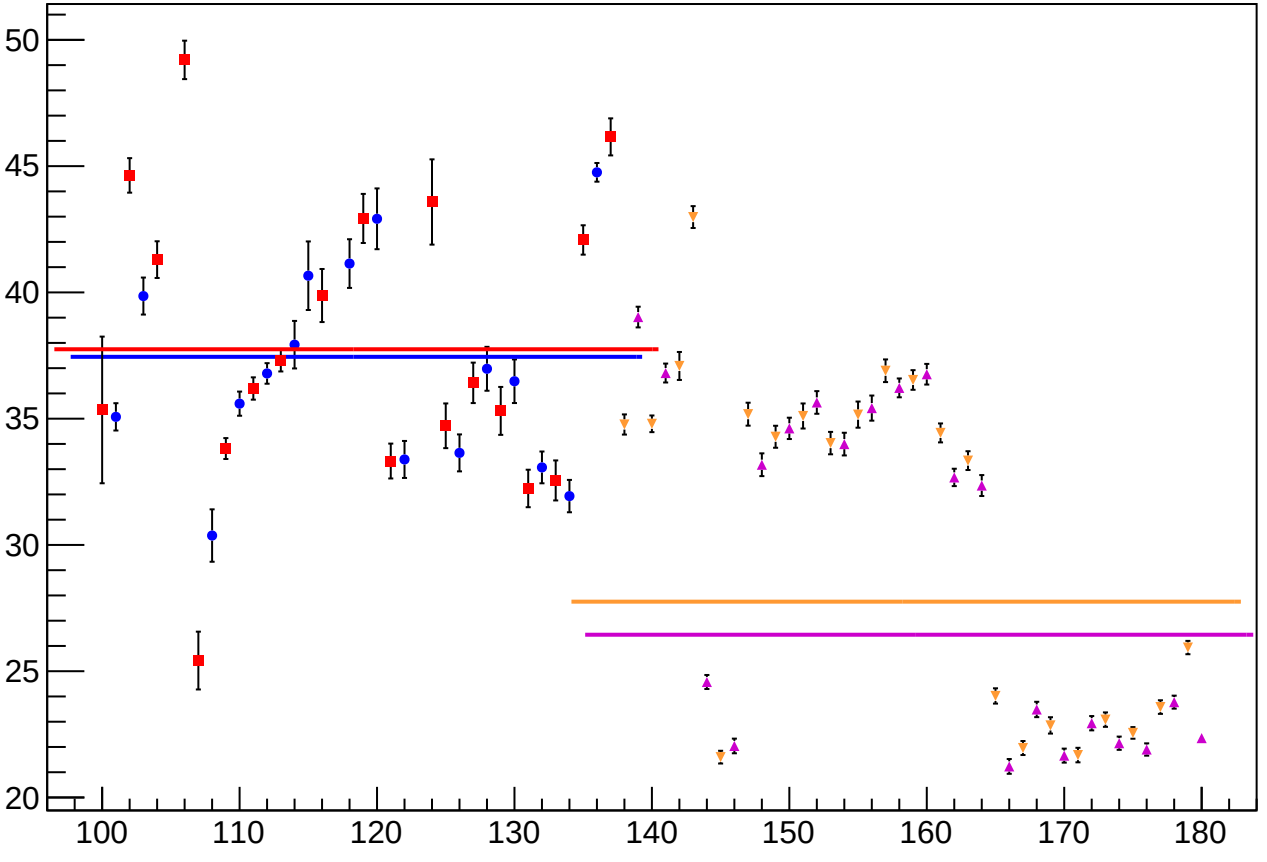
Left In: -2.089+/-0.053 χ^2/NDF:667.8/20

+ sign -2.139+/-0.051 χ^2/NDF: 818.2/37

All: -2.165+/-0.036 χ^2/NDF: 1794.9/77

- 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: 27.754+/-0.072 χ^2/NDF:7788.4/21

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

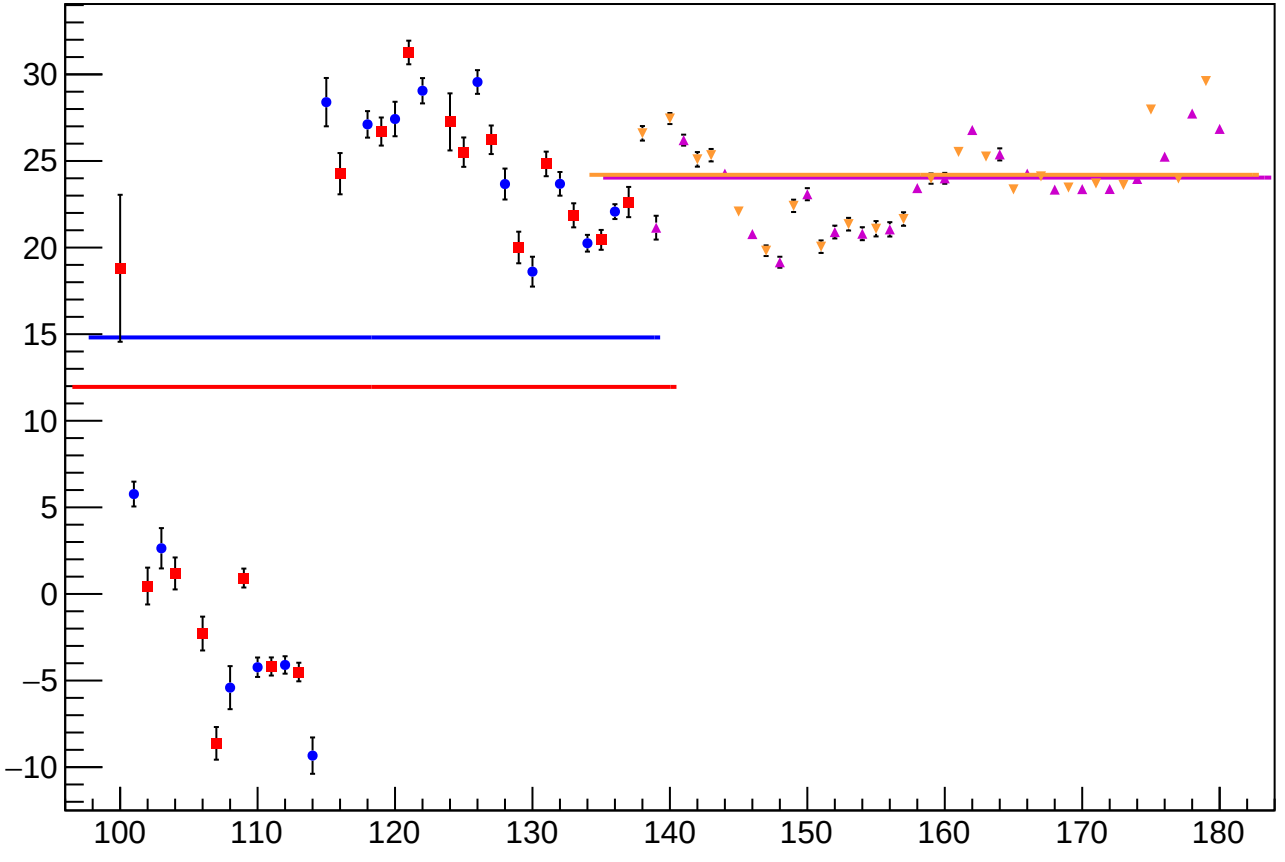
Left In: 26.445+/-0.069 χ^2/NDF:7505.9/20

+ sign 29.372+/-0.066 χ^2/NDF: 11526.8/37

All: 28.772+/-0.046 χ^2/NDF: 24396.6/77

- 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: 24.202+/-0.061 χ^2/NDF:1515.0/21

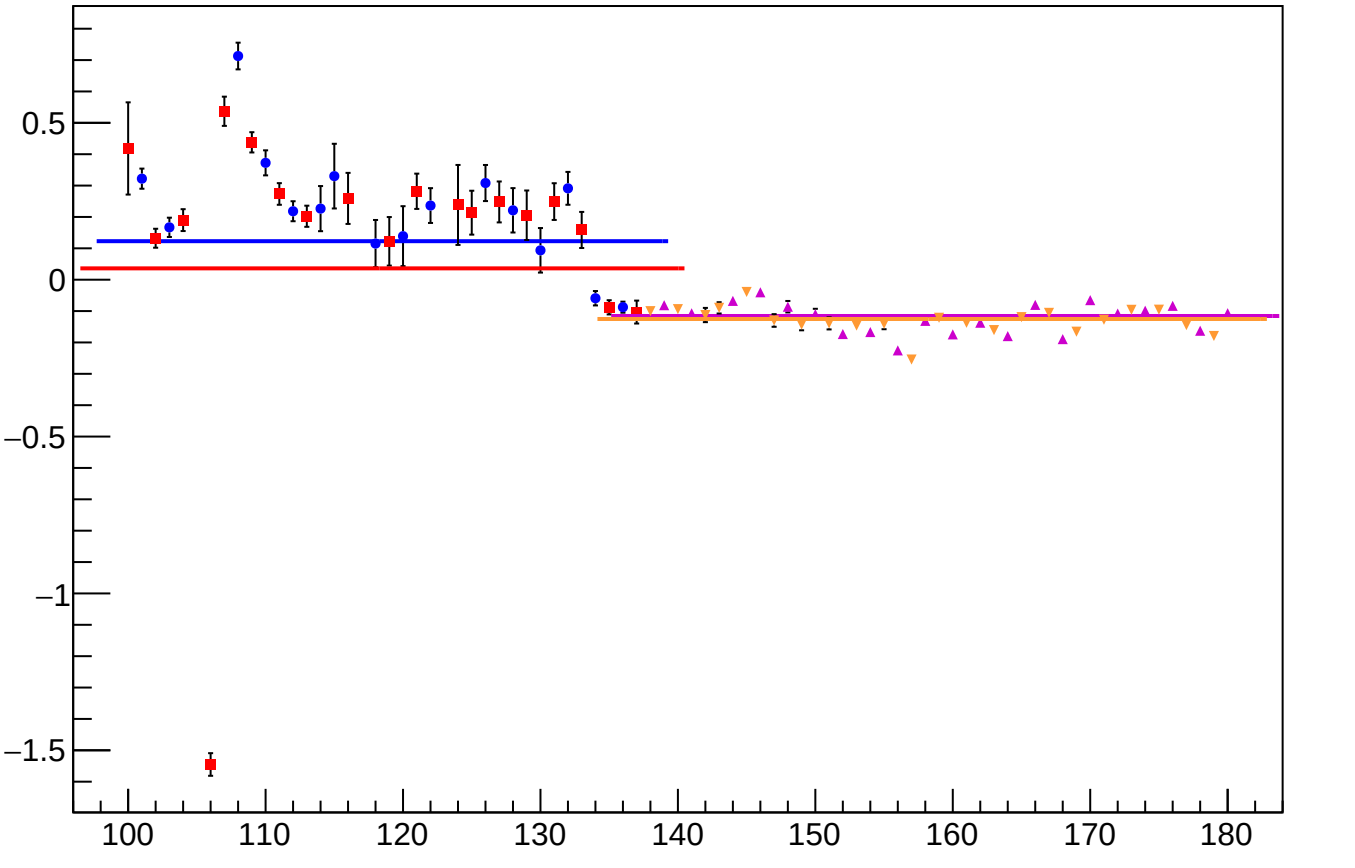
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 24.040+/-0.059 χ^2/NDF:1339.1/20

+ sign 23.174+/-0.058 χ^2/NDF: 9798.4/37

All: 22.990+/-0.040 χ^2/NDF: 21459.8/77

- 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: -0.125+/-0.003 χ^2/NDF:233.1/21

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

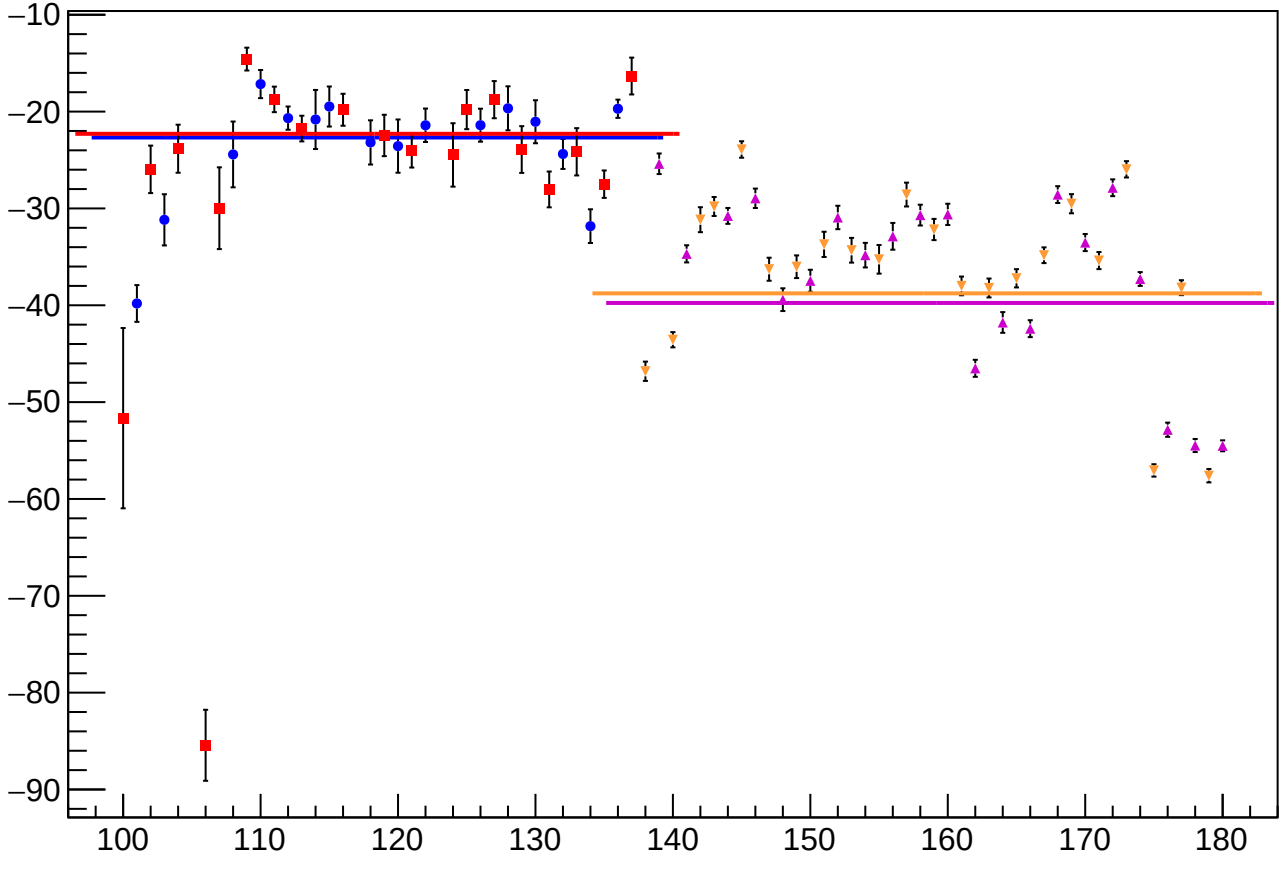
Left In: -0.116+/-0.003 χ^2/NDF:290.0/20

+ sign -0.106+/-0.003 χ^2/NDF: 1393.7/37

All: -0.106+/-0.002 χ^2/NDF: 4323.2/77

- 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: -38.770+/-0.200 χ^2/NDF:2592.1/21

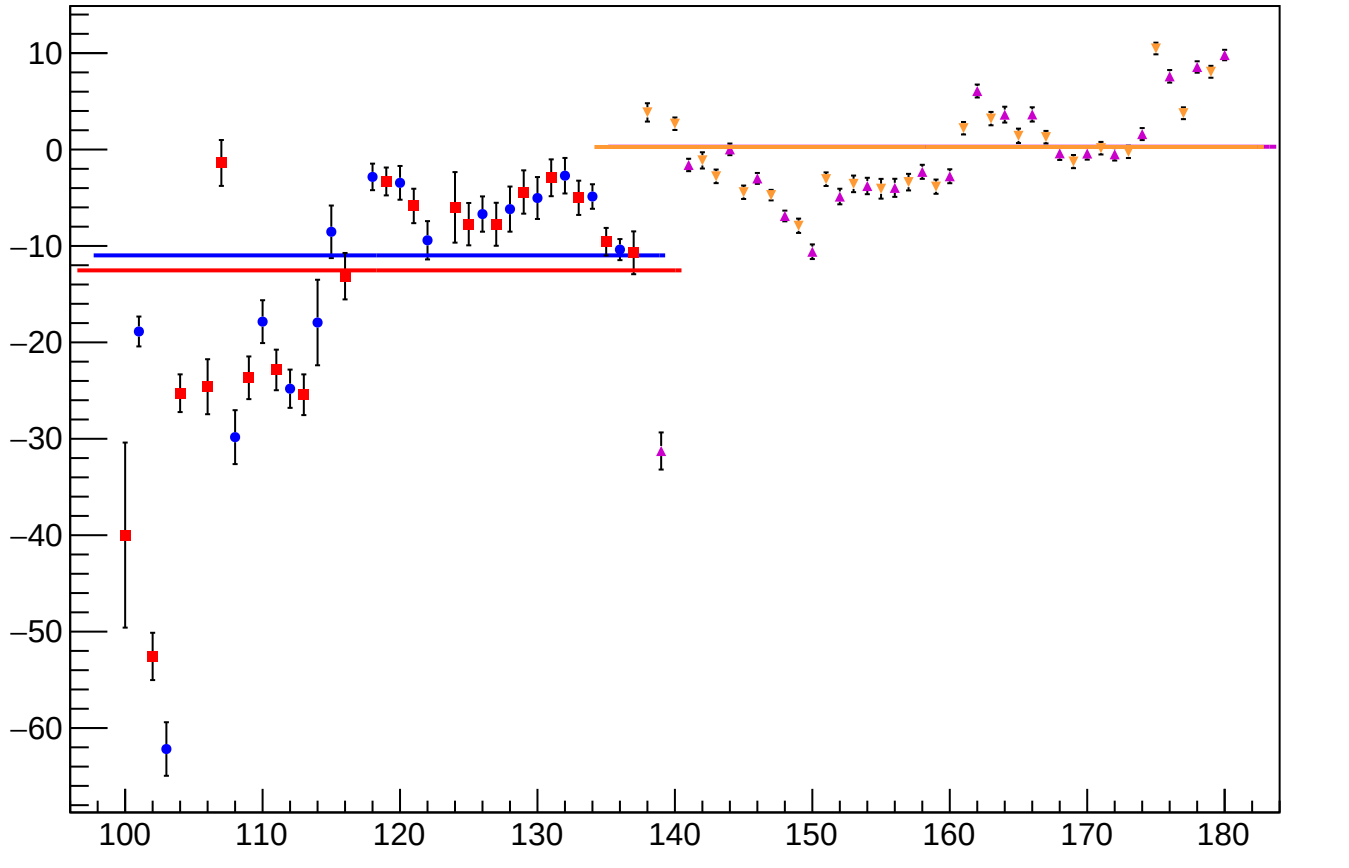
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -39.760+/-0.195 χ^2/NDF:2655.2/20

\+ sign -35.949+/-0.182 χ^2/NDF: 3878.0/37

All: -36.401+/-0.127 χ^2/NDF: 8291.7/77

\- 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: 0.265+/-0.149 χ^2/NDF:922.9/21

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

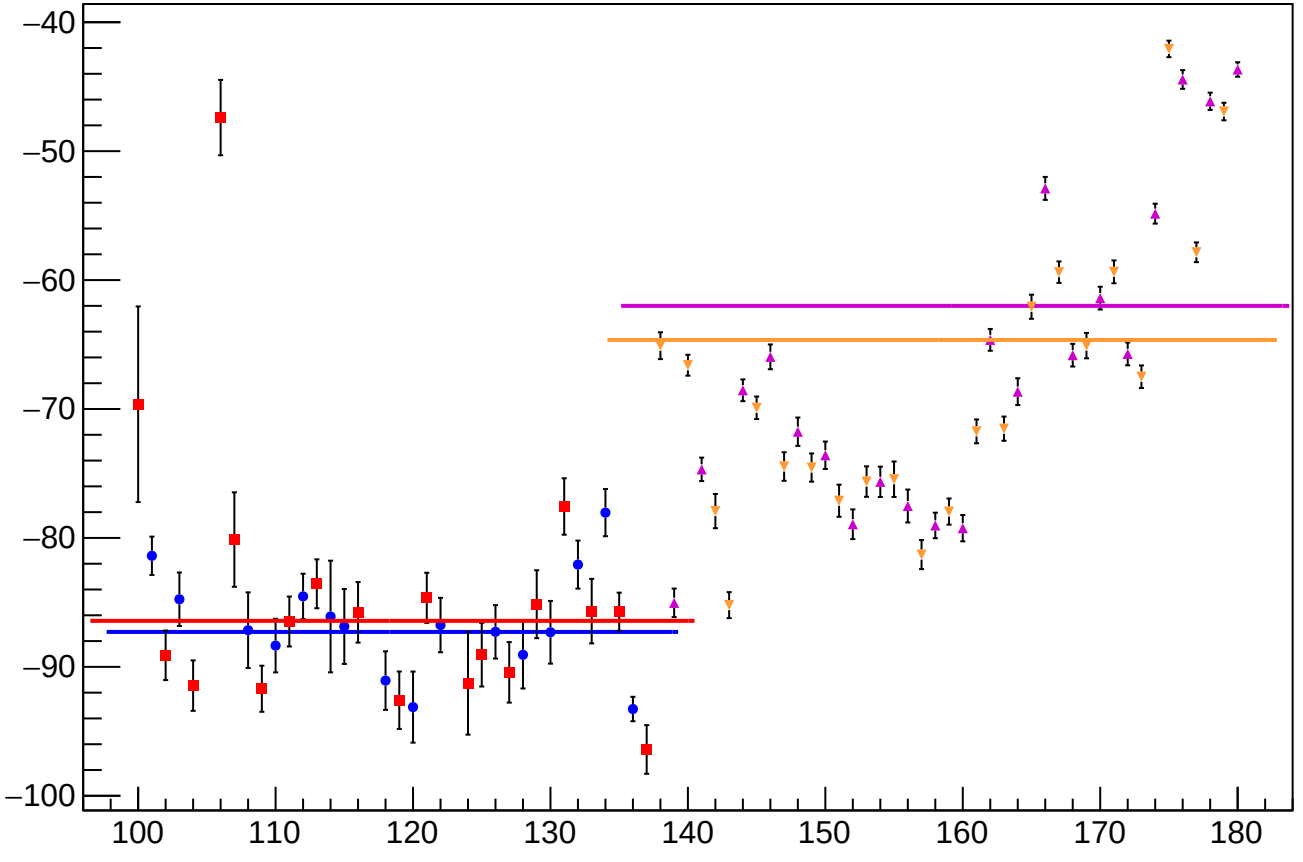
Left In: 0.291+/-0.149 χ^2/NDF:1546.4/20

\+ sign -0.829+/-0.141 χ^2/NDF: 2065.4/37

All: -0.830+/-0.100 χ^2/NDF: 4832.4/77

\- sign -0.832+/-0.142 χ^2/NDF: 2767.0/39

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -64.643+/-0.198 χ^2/NDF:3564.4/21

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

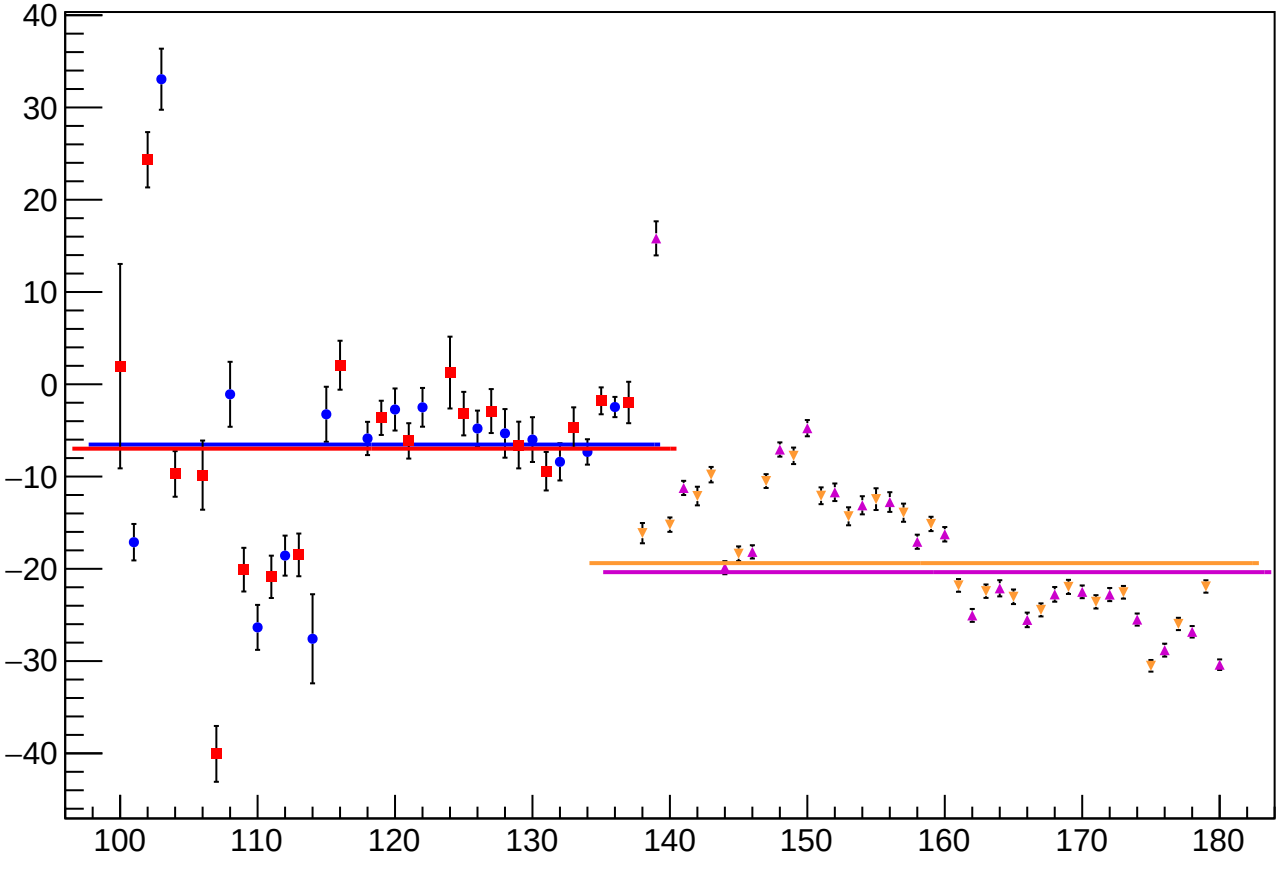
Left In: -62.001+/-0.193 χ^2/NDF:4479.2/20

+ sign -67.941+/-0.183 χ^2/NDF: 5563.0/37

All: -66.508+/-0.129 χ^2/NDF: 12461.6/77

- sign -65.117+/-0.181 χ^2/NDF: 6778.3/39

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -19.383+/-0.168 χ^2/NDF:1308.7/21

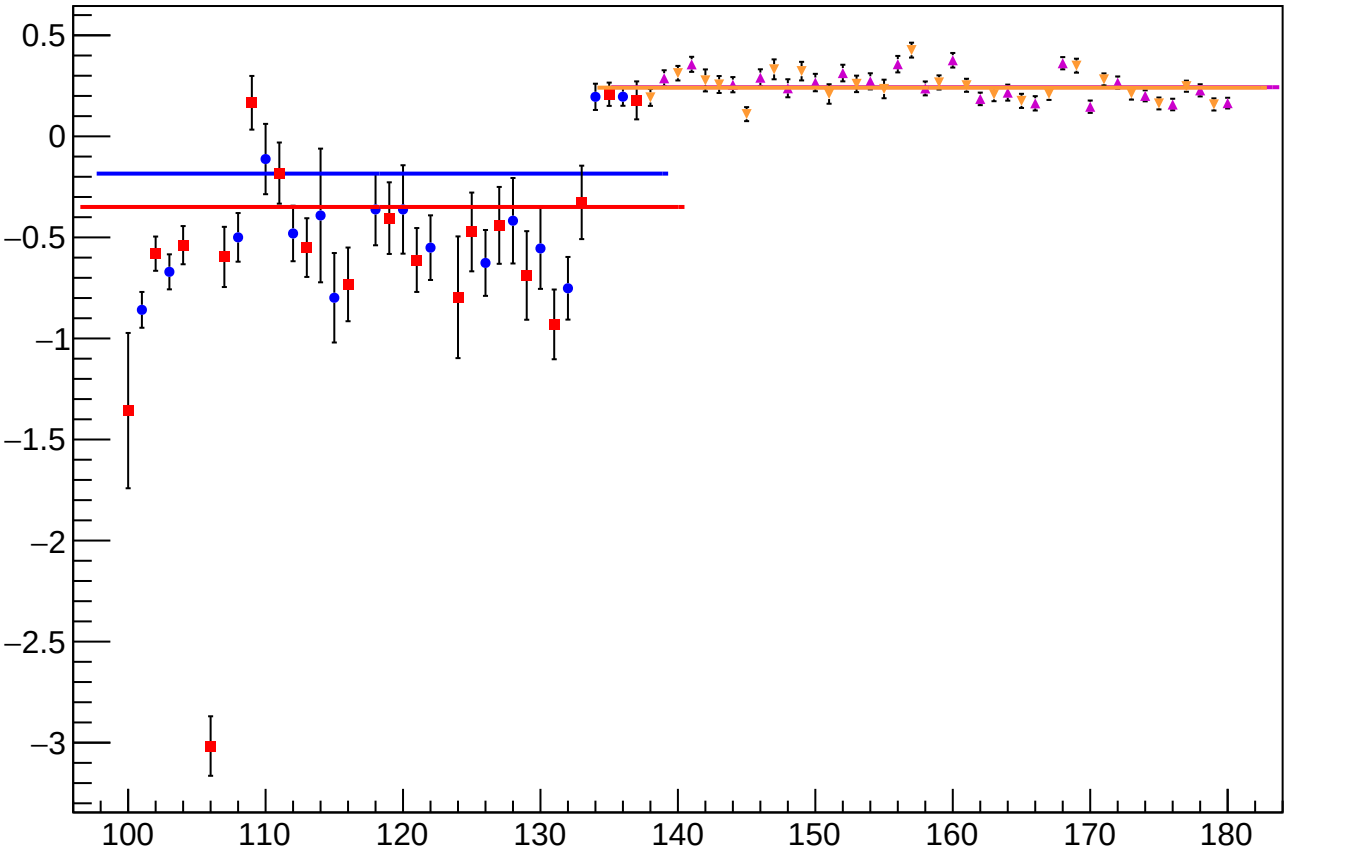
Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -20.362+/-0.167 χ^2/NDF:2120.3/20

+ sign -18.115+/-0.160 χ^2/NDF: 2199.4/37

All: -18.655+/-0.113 χ^2/NDF: 5268.3/77

- sign -19.197+/-0.160 χ^2/NDF: 3045.9/39



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.241+/-0.008 χ^2/NDF:86.1/21

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

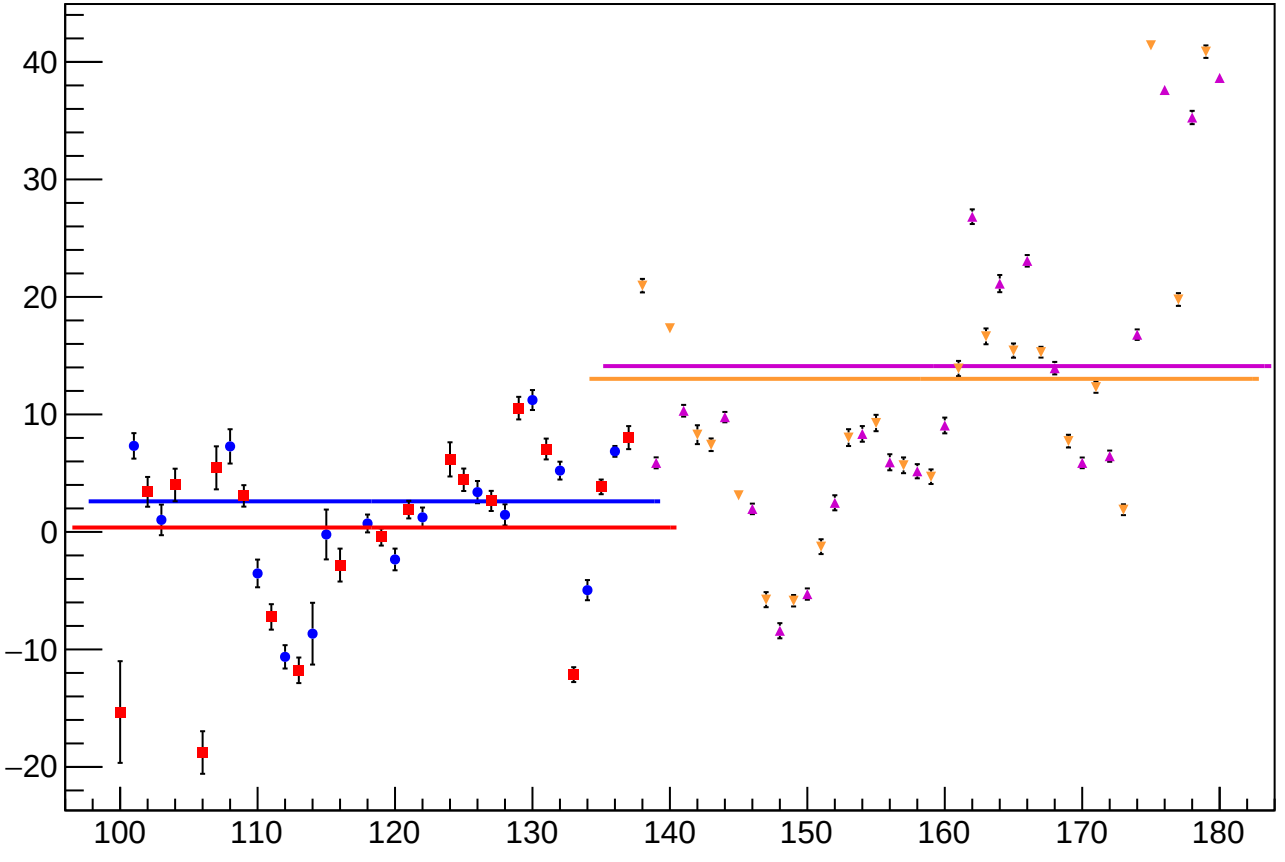
Left In: 0.243+/-0.007 χ^2/NDF:92.4/20

+ sign 0.209+/-0.007 χ^2/NDF: 567.0/37

All: 0.208+/-0.005 χ^2/NDF: 1559.6/77

- 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: 13.029+/-0.115 χ^2/NDF:13090.9/21

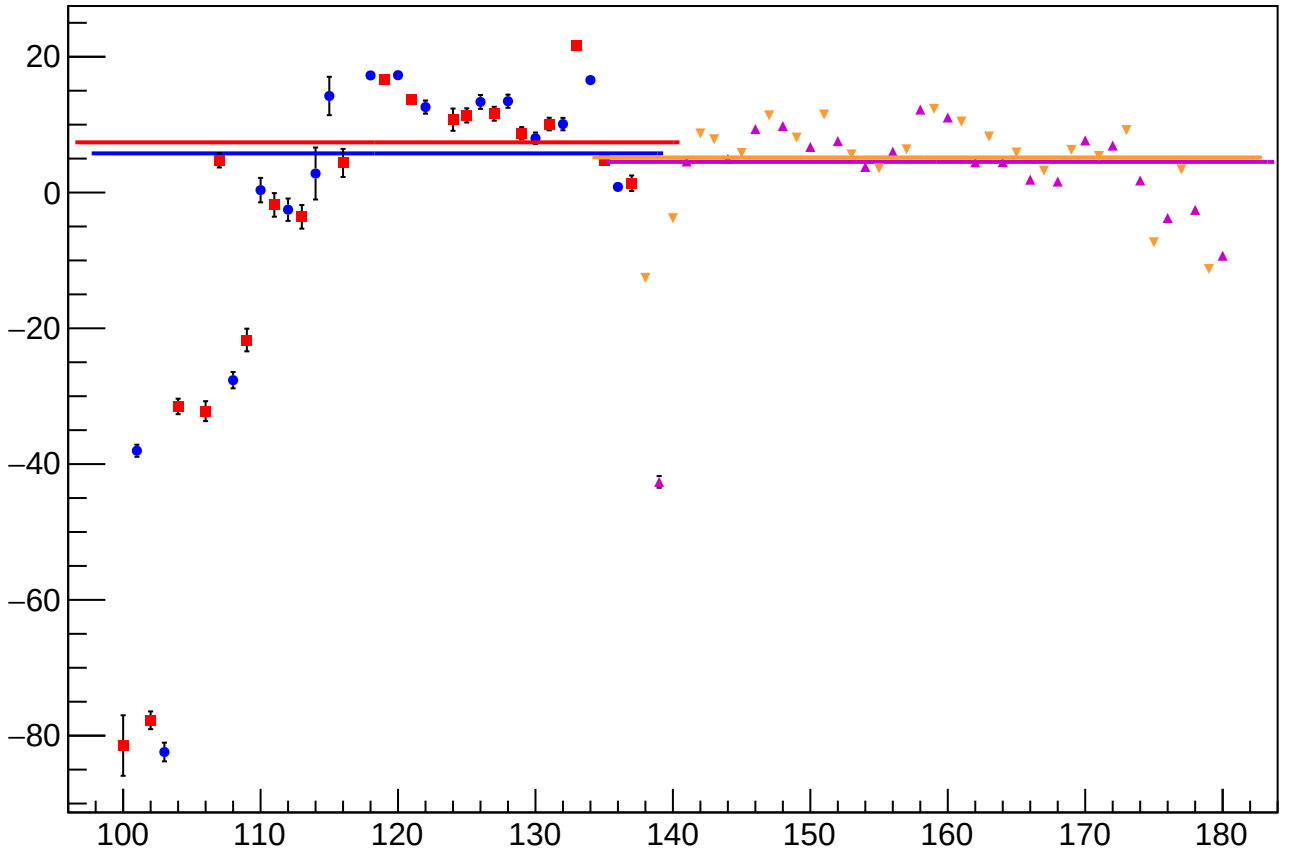
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 14.113+/-0.113 χ^2/NDF:14479.4/20

+ sign 10.868+/-0.102 χ^2/NDF: 15379.7/37

All: 11.084+/-0.072 χ^2/NDF: 33934.8/77

- 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: 5.170+/-0.084 χ^2/NDF:5512.7/21

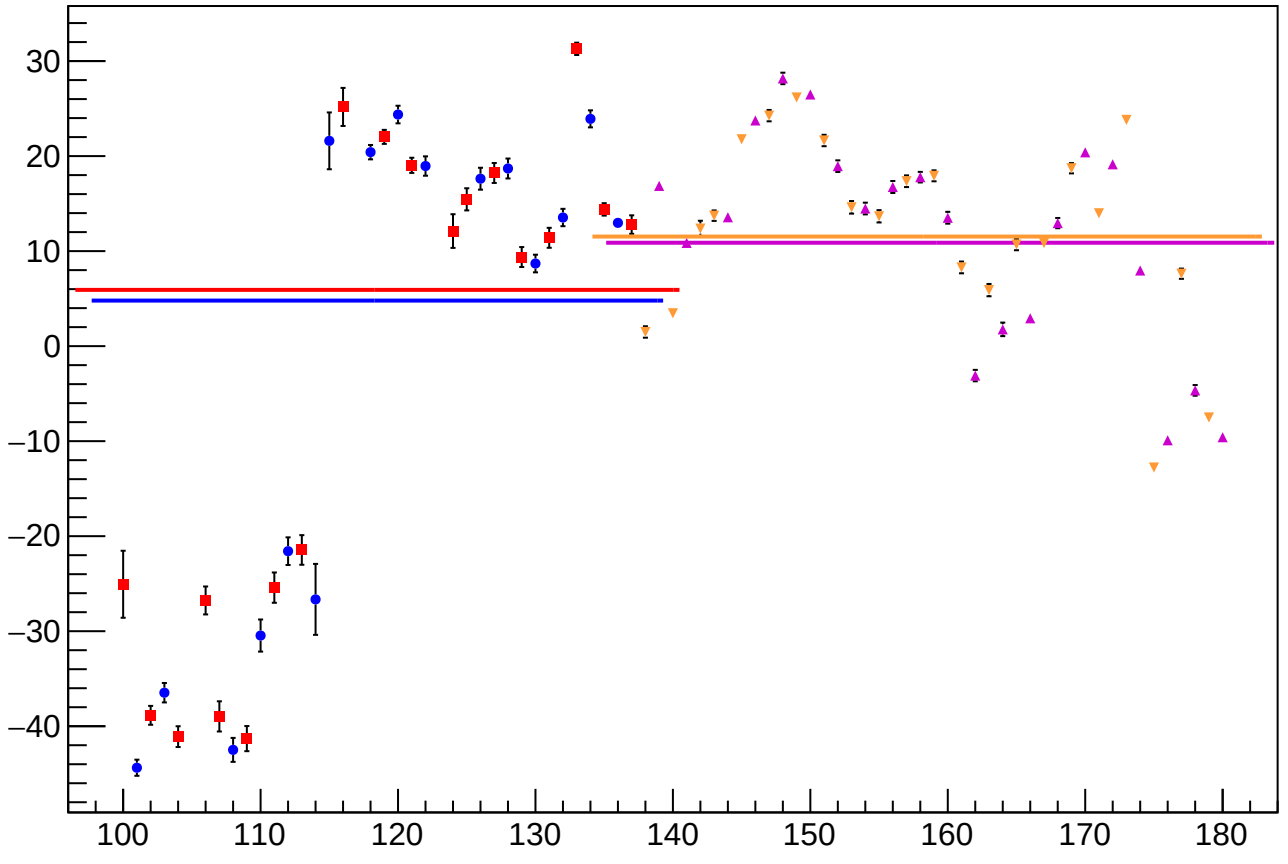
Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 4.514+/-0.085 χ^2/NDF:6514.1/20

+ sign 5.253+/-0.078 χ^2/NDF: 14453.5/37

All: 5.091+/-0.056 χ^2/NDF: 29529.8/77

- 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: 11.533+/-0.113 χ^2/NDF:9430.7/21

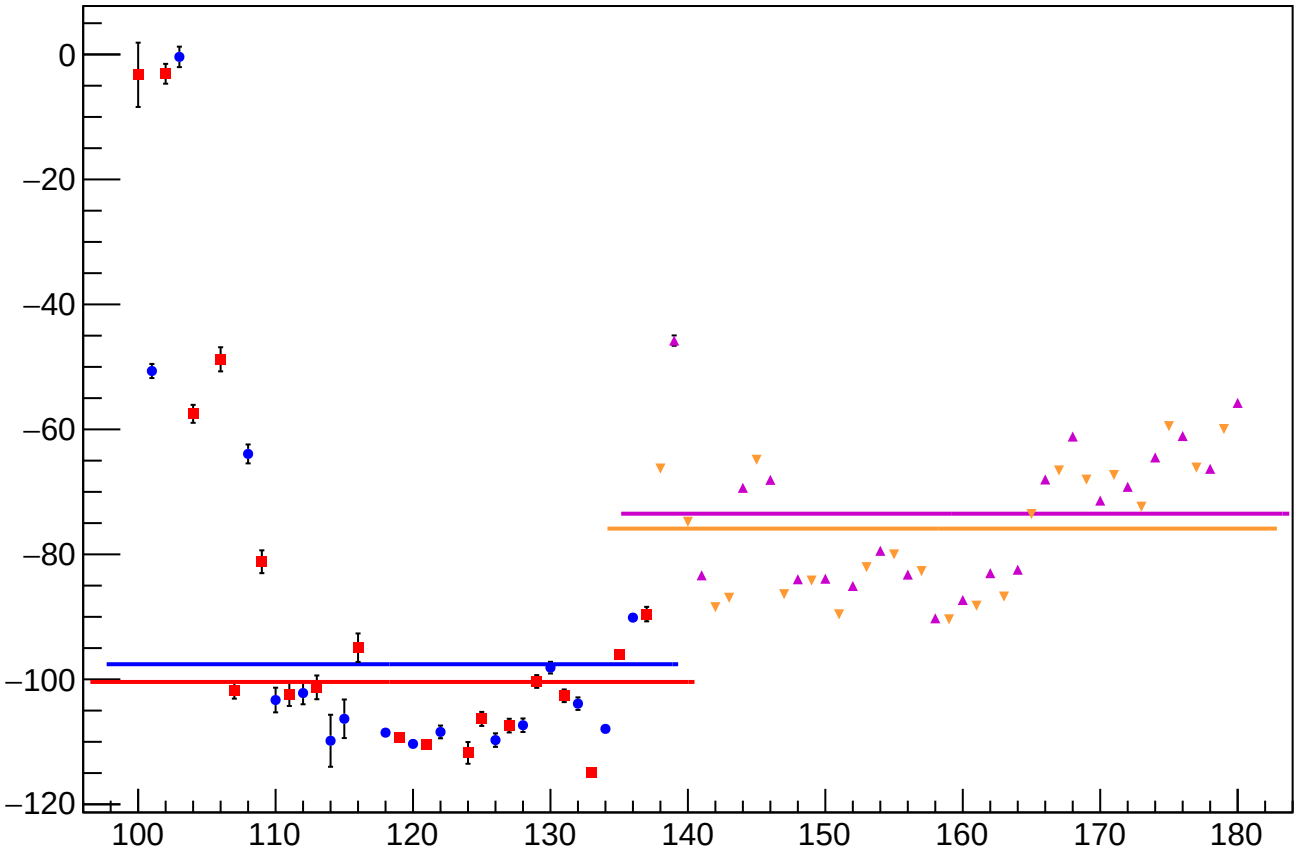
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 10.881+/-0.112 χ^2/NDF:11120.0/20

+ sign 10.281+/-0.102 χ^2/NDF: 19583.6/37

All: 10.138+/-0.072 χ^2/NDF: 41118.2/77

- sign 9.997+/-0.101 χ^2/NDF: 21530.7/39



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -75.877+/-0.096 χ^2/NDF:11309.2/21

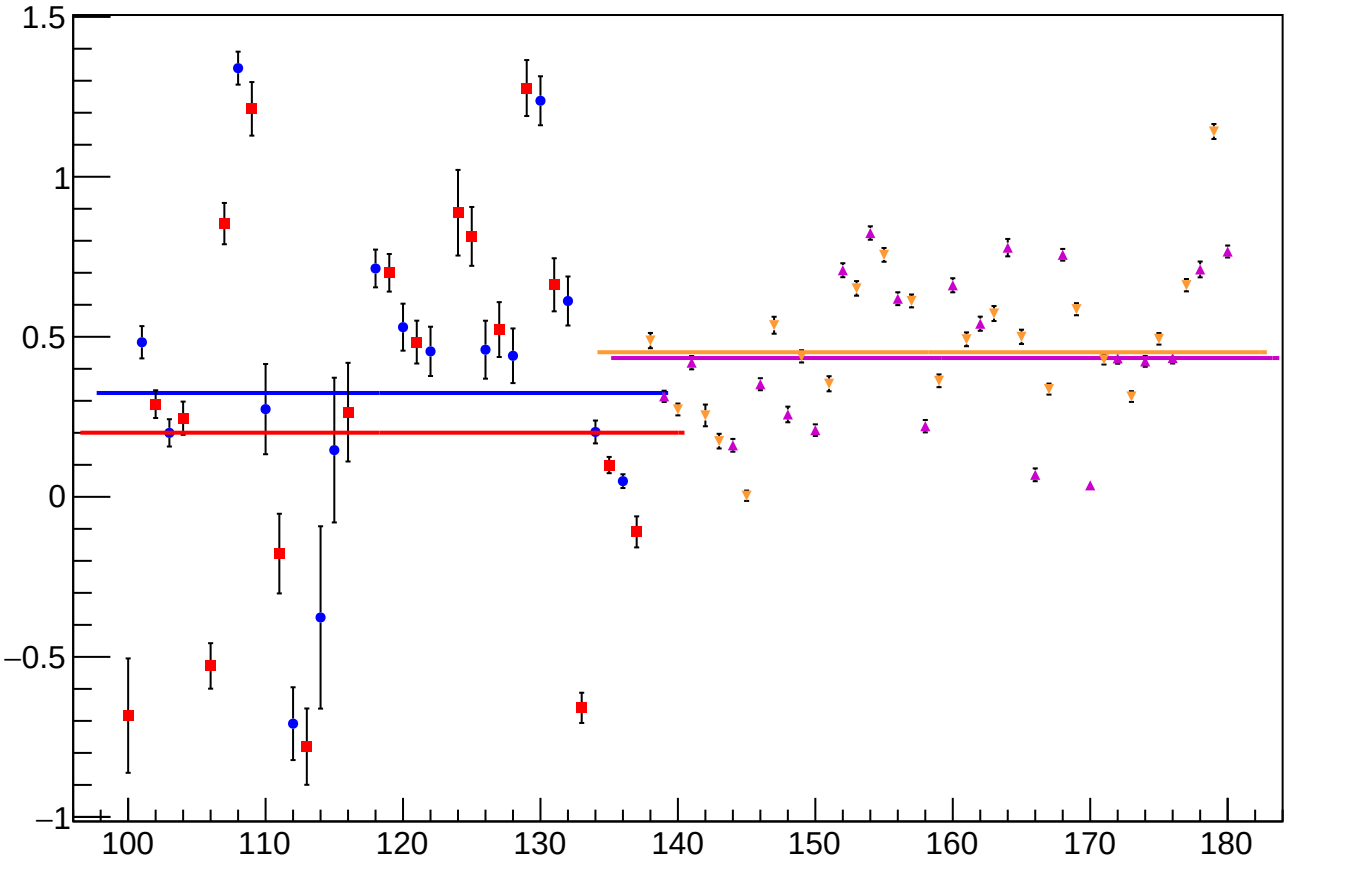
Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -73.491+/-0.096 χ^2/NDF:11691.7/20

+ sign -78.840+/-0.089 χ^2/NDF: 25417.0/37

All: -78.028+/-0.063 χ^2/NDF: 55151.5/77

- sign -77.211+/-0.090 χ^2/NDF: 29568.6/39



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.452+/-0.004 χ^2/NDF:2619.3/21

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

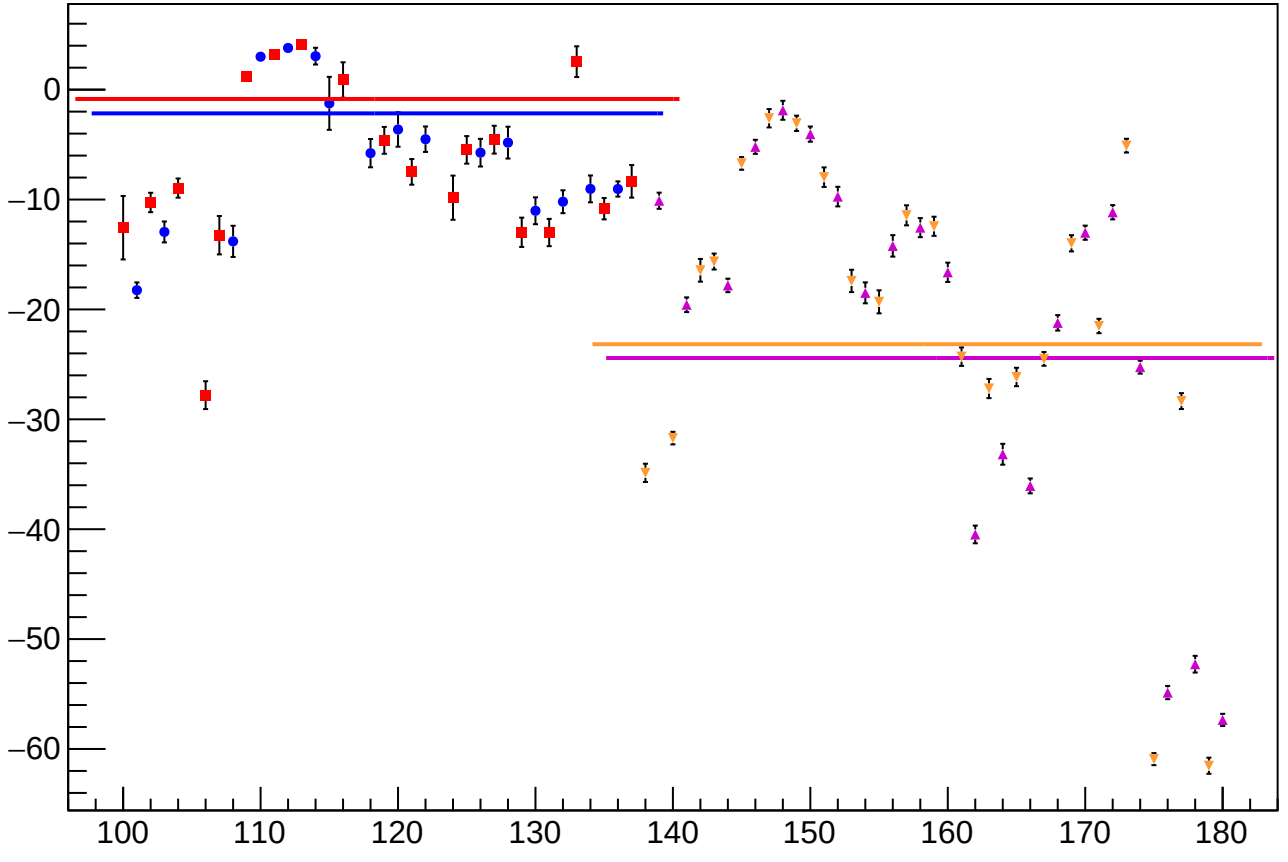
Left In: 0.434+/-0.004 χ^2/NDF:3181.3/20

+ sign 0.440+/-0.004 χ^2/NDF: 3588.8/37

All: 0.426+/-0.003 χ^2/NDF: 8255.9/77

- 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: -23.166+/-0.158 χ^2/NDF:11986.6/21

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

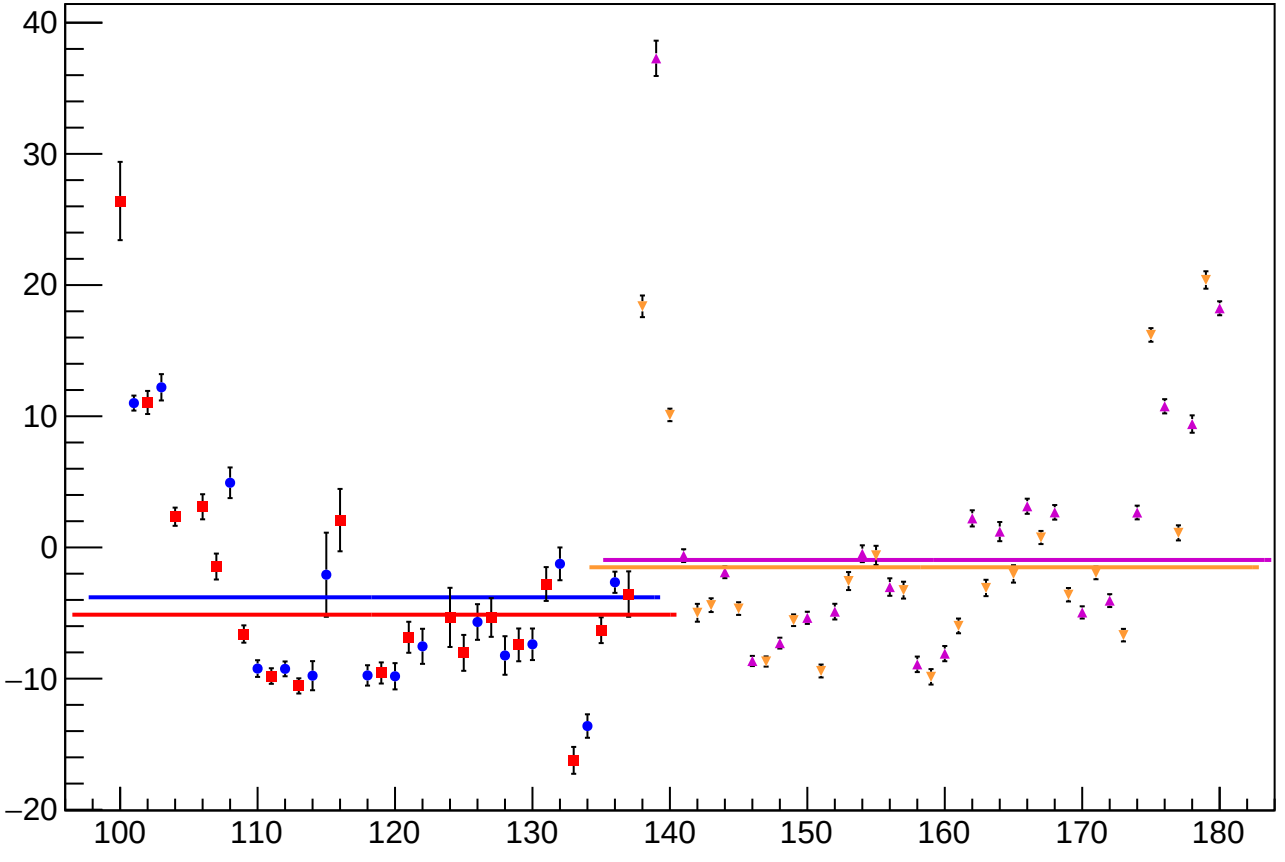
Left In: -24.419+/-0.157 χ^2/NDF:12631.3/20

+ sign -14.663+/-0.122 χ^2/NDF: 20604.5/37

All: -14.115+/-0.084 χ^2/NDF: 45112.7/77

- 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: -1.511+/-0.116 χ^2/NDF:4659.6/21

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

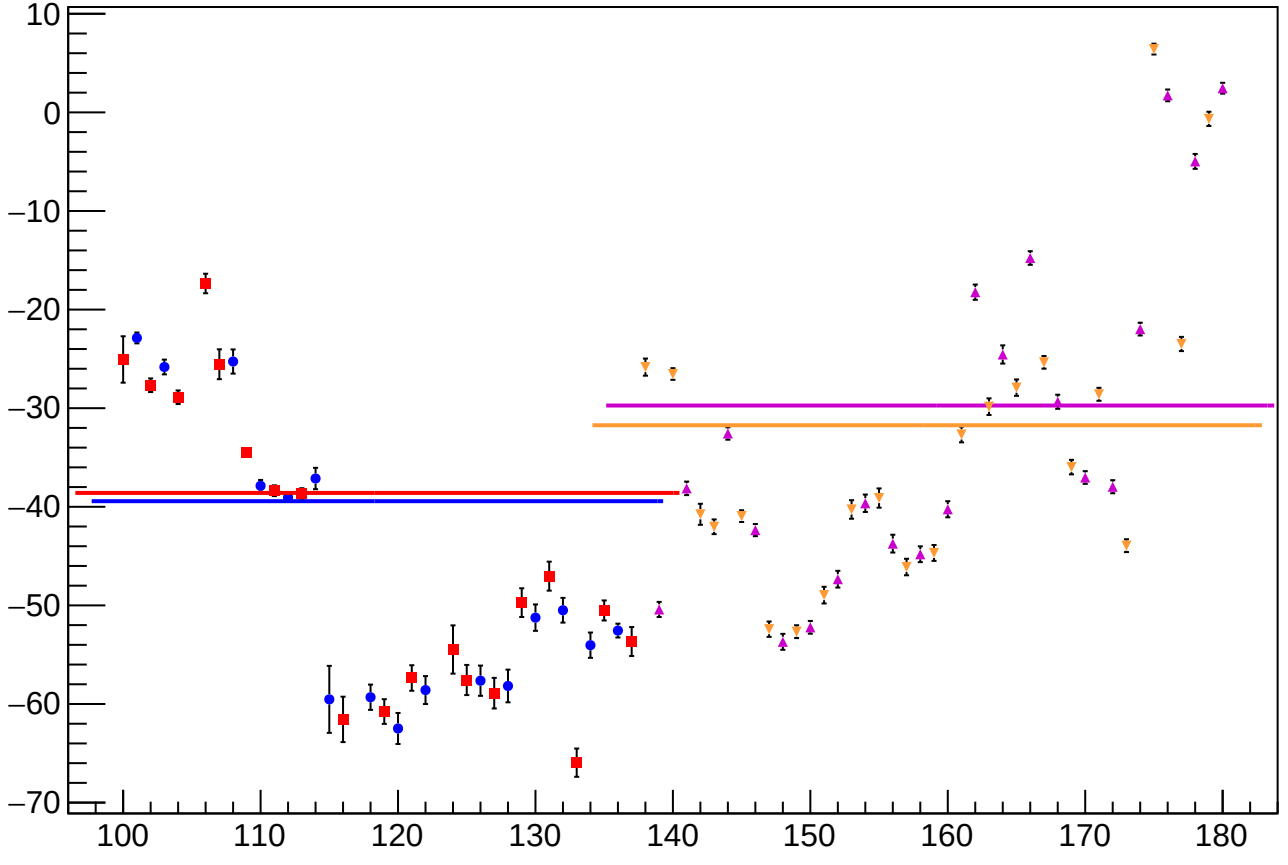
Left In: -0.954+/-0.118 χ^2/NDF:4209.5/20

+ sign -1.989+/-0.103 χ^2/NDF: 6166.6/37

All: -1.939+/-0.073 χ^2/NDF: 11639.3/77

- 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: -31.730+/-0.157 χ^2/NDF:10802.1/21

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

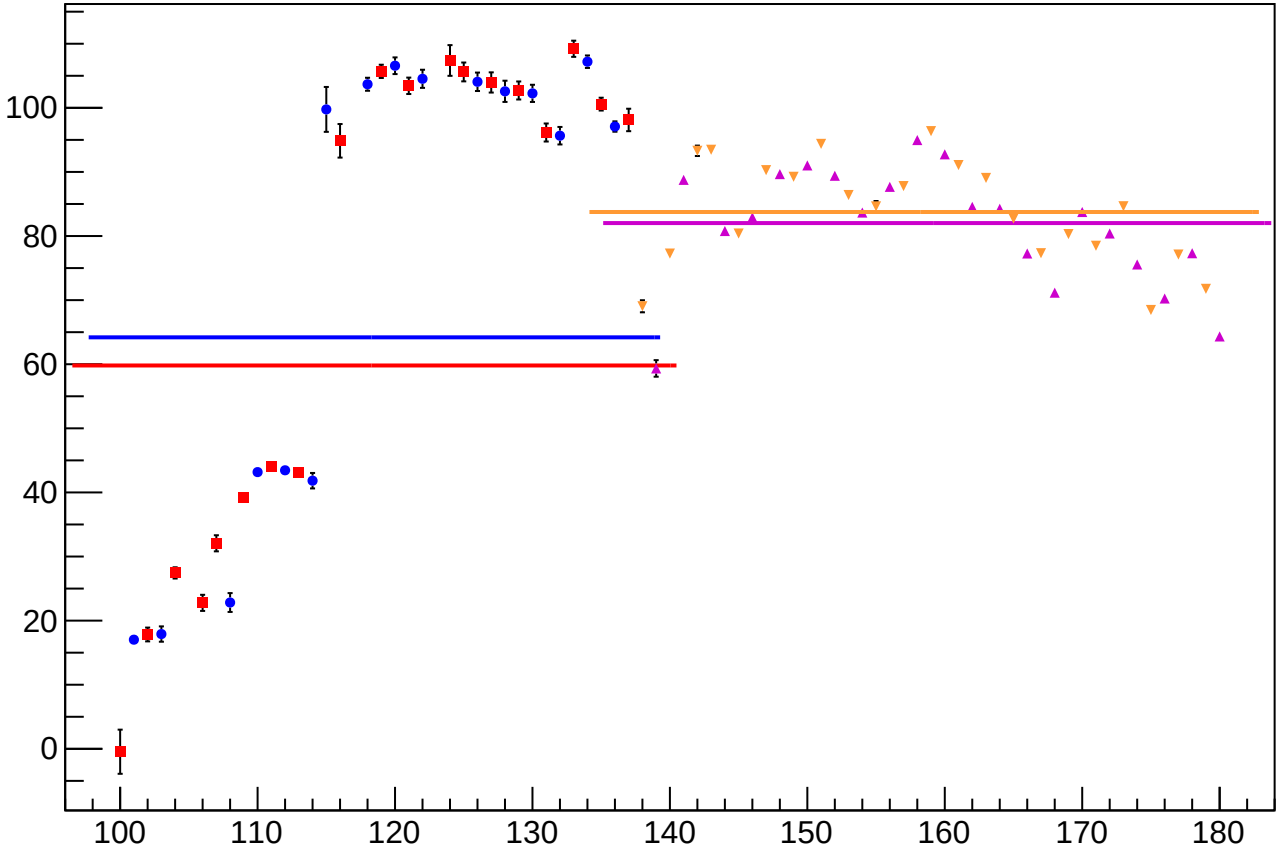
Left In: -29.729+/-0.155 χ^2/NDF:13154.3/20

+ sign -34.238+/-0.129 χ^2/NDF: 14547.1/37

All: -33.501+/-0.090 χ^2/NDF: 31673.0/77

- 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: 83.750+/-0.132 χ^2/NDF:3459.4/21

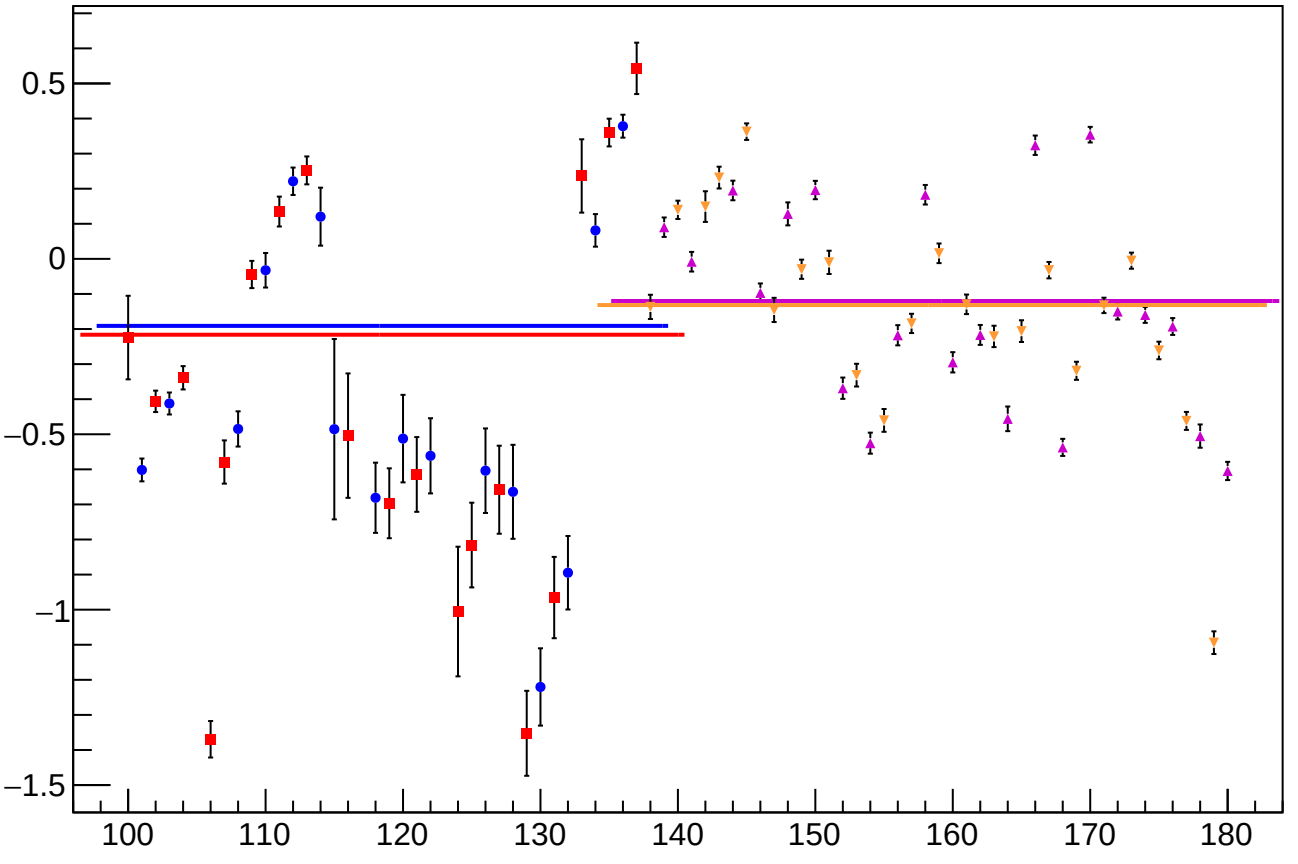
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 82.022+/-0.133 χ^2/NDF:3765.4/20

+ sign 79.676+/-0.118 χ^2/NDF: 26620.9/37

All: 78.378+/-0.083 χ^2/NDF: 54266.3/77

- sign 77.086+/-0.117 χ^2/NDF: 27402.0/39



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.132+/-0.006 χ^2/NDF:2120.8/21

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

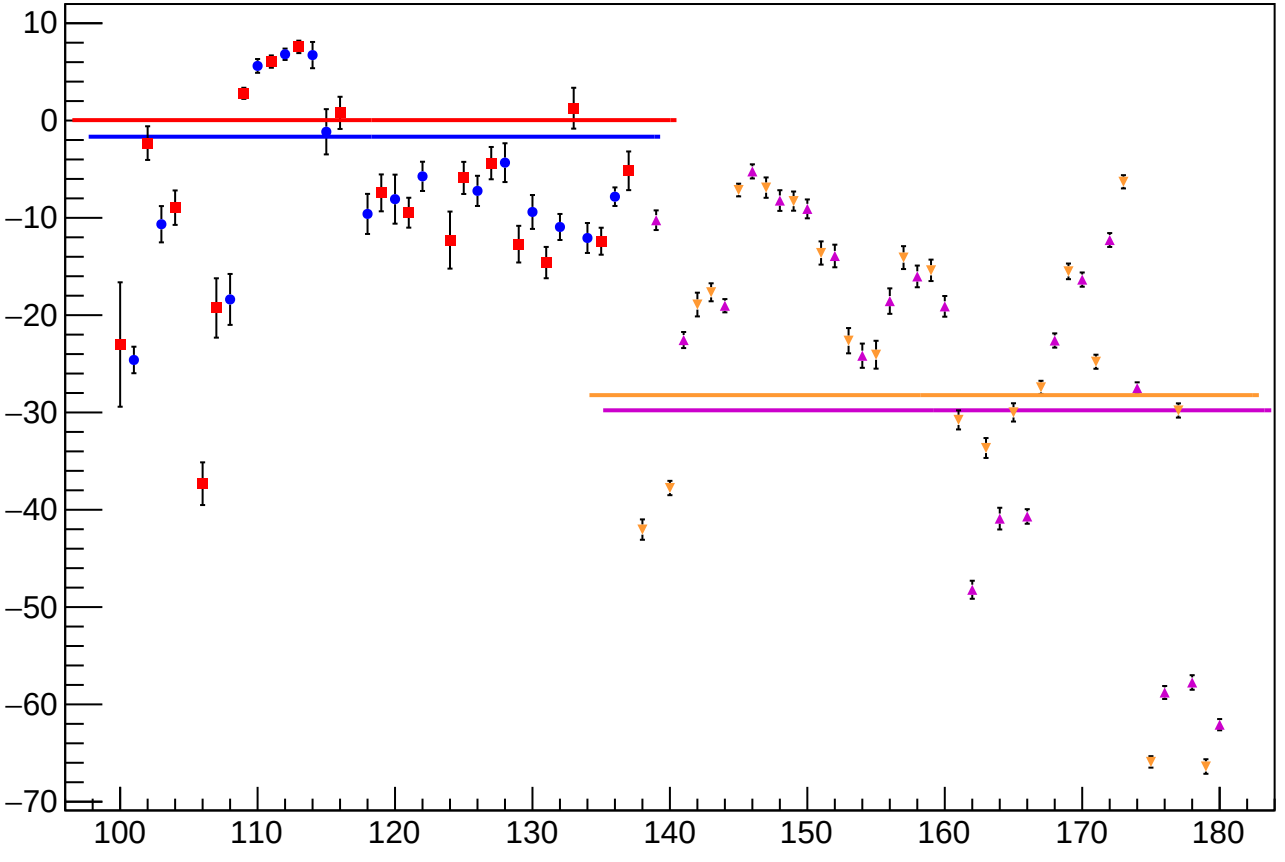
Left In: -0.120+/-0.006 χ^2/NDF:2426.6/20

+ sign -0.141+/-0.005 χ^2/NDF: 3055.4/37

All: -0.139+/-0.004 χ^2/NDF: 6896.1/77

- 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: -28.219+/-0.184 χ^2/NDF:10896.1/21

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

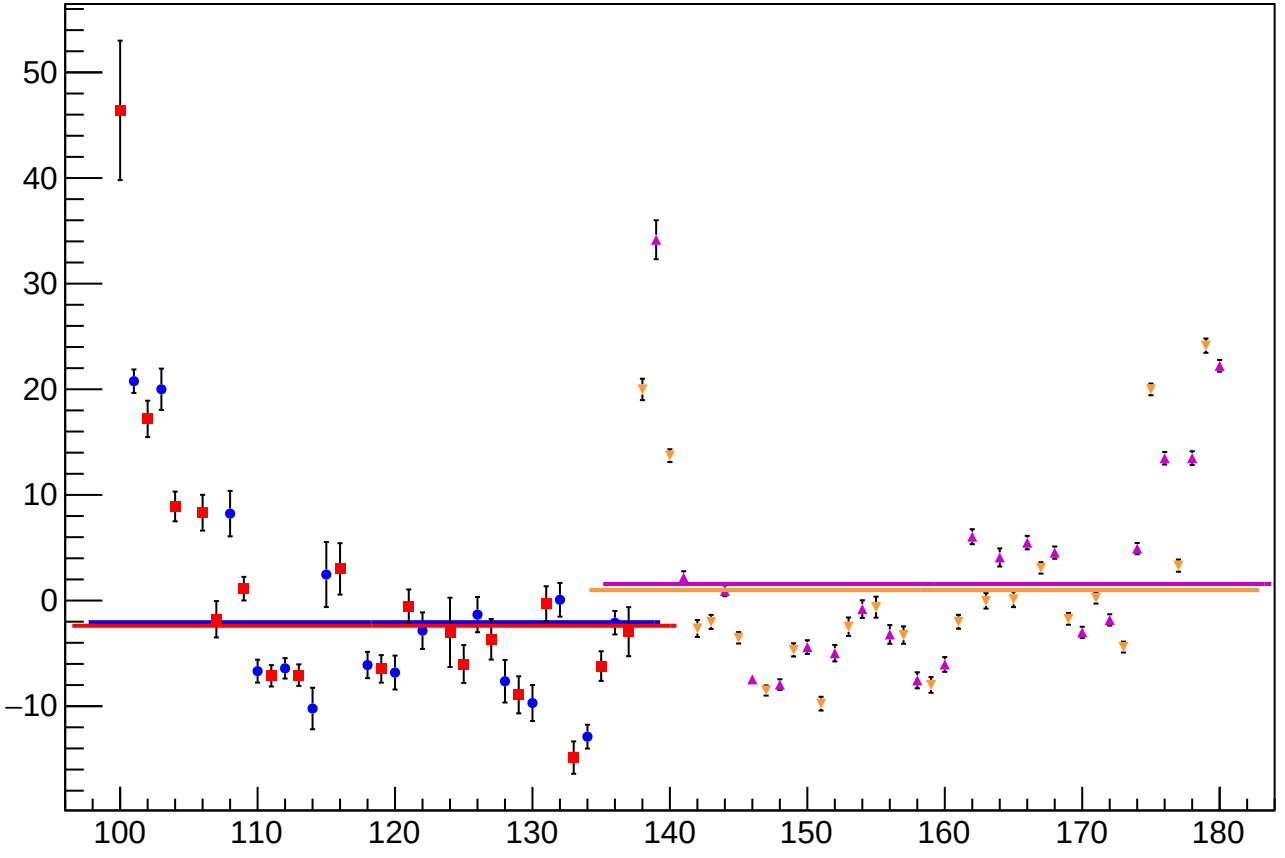
Left In: -29.778+/-0.179 χ^2/NDF:11402.9/20

\+ sign -21.258+/-0.158 χ^2/NDF: 17280.1/37

All: -21.238+/-0.109 χ^2/NDF: 37592.3/77

\- 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: 0.990+/-0.136 χ^2/NDF:4363.2/21

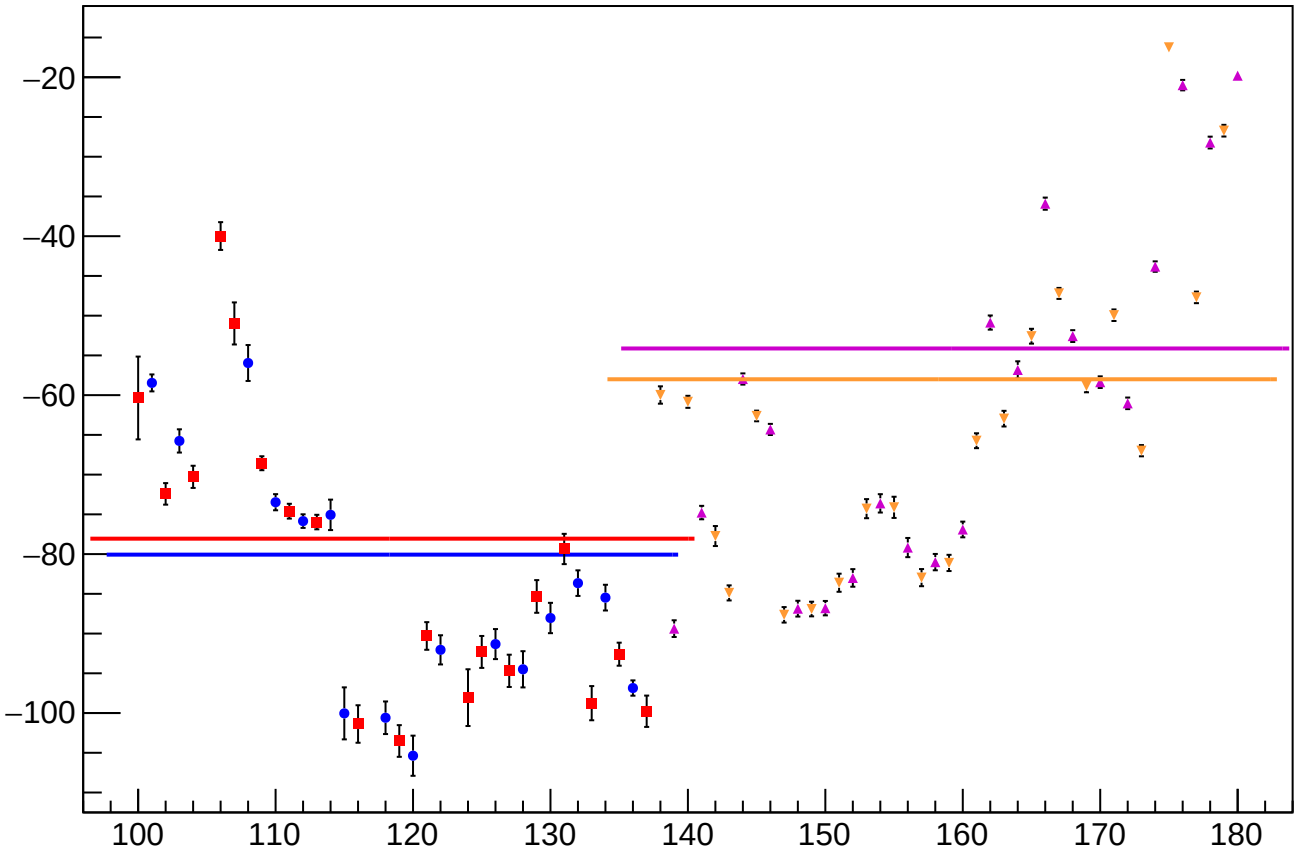
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 1.566+/-0.135 χ^2/NDF:3947.8/20

+ sign 0.603+/-0.127 χ^2/NDF: 5198.6/37

All: 0.835+/-0.090 χ^2/NDF: 9712.0/77

- 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: -58.002+/-0.182 χ^2/NDF:12580.2/21

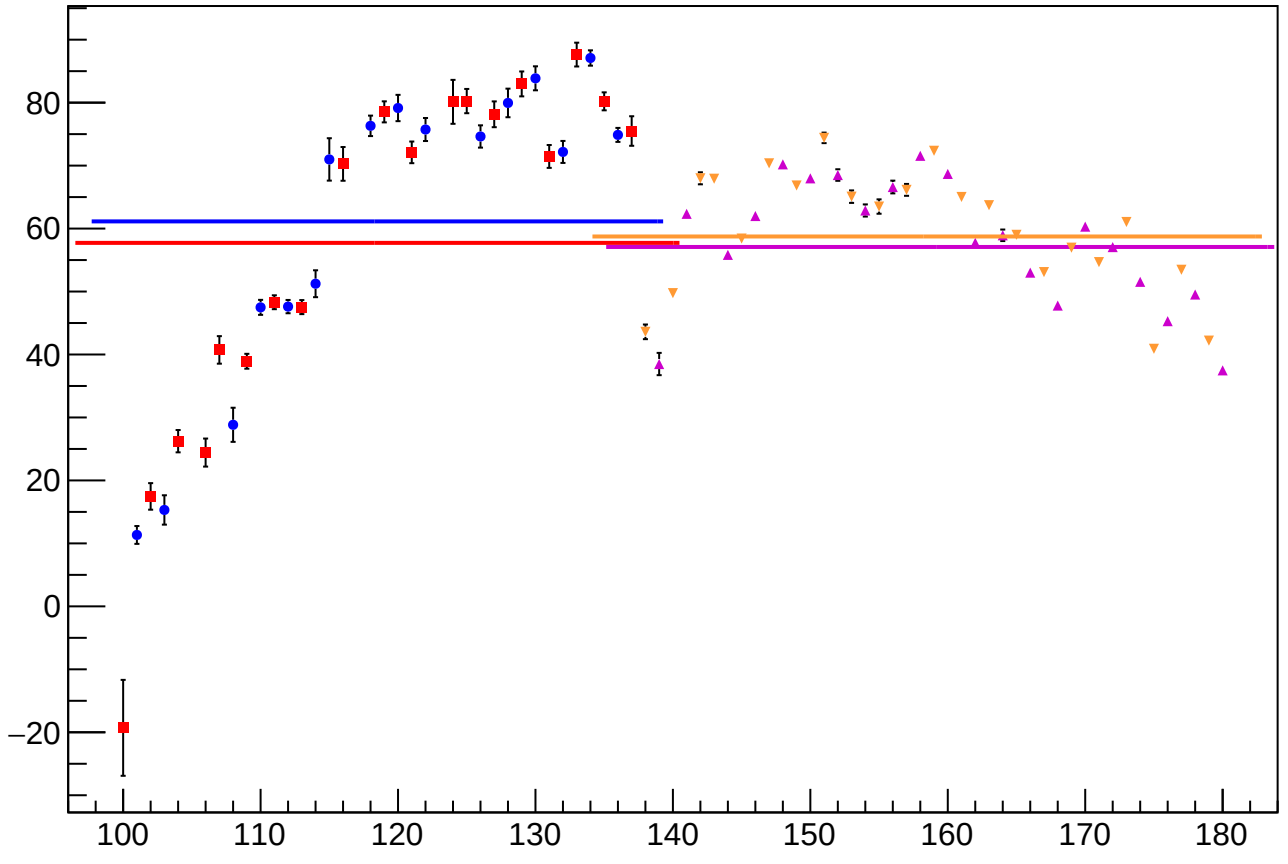
Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -54.129+/-0.178 χ^2/NDF:15232.1/20

+ sign -62.423+/-0.163 χ^2/NDF: 16899.6/37

All: -60.644+/-0.114 χ^2/NDF: 37582.0/77

- sign -58.958+/-0.159 χ^2/NDF: 20450.7/39



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 58.743+/-0.154 χ^2/NDF:3548.7/21

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

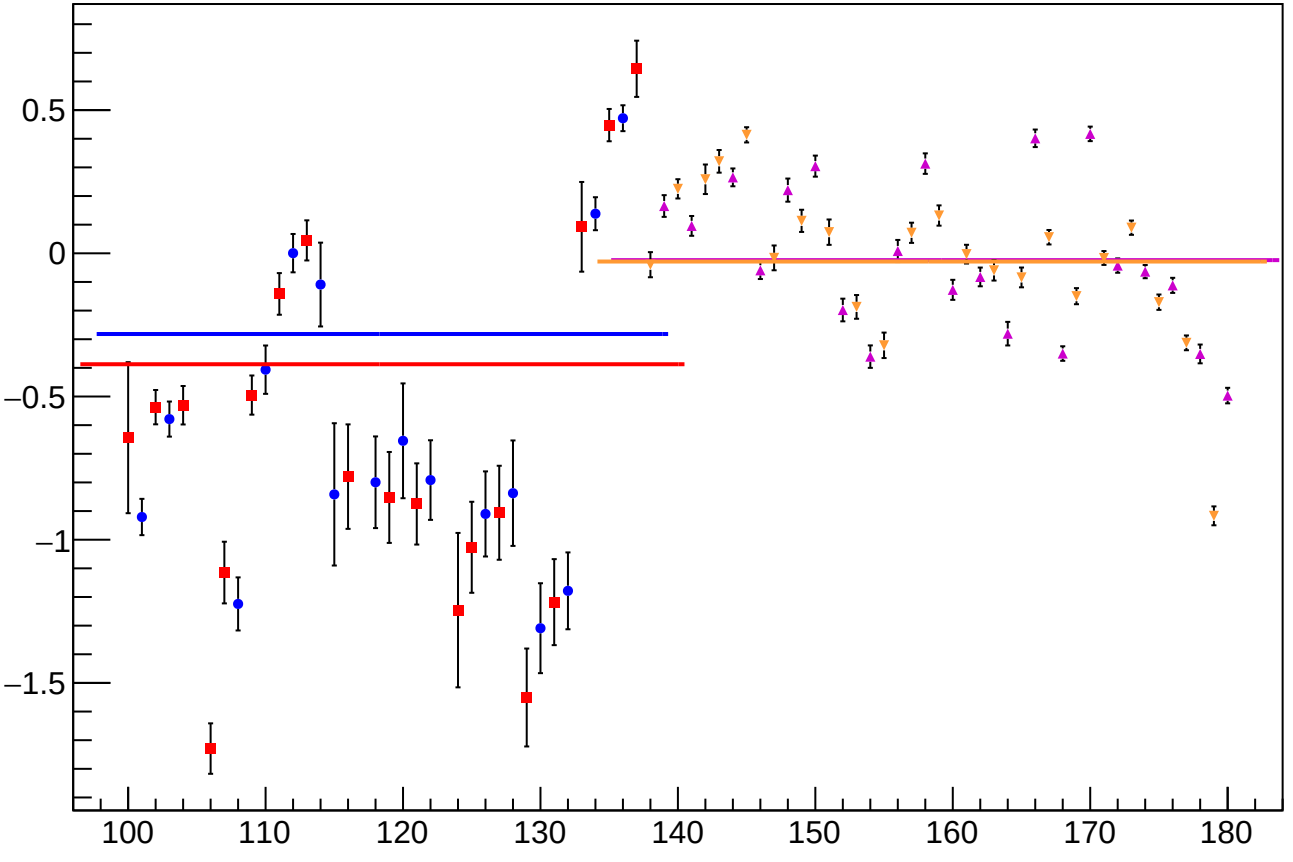
Left In: 57.078+/-0.153 χ^2/NDF:3589.9/20

\+ sign 59.051+/-0.144 χ^2/NDF: 6809.1/37

All: 58.098+/-0.101 χ^2/NDF: 13264.1/77

\- 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: -0.029+/-0.007 χ^2/NDF:1478.6/21

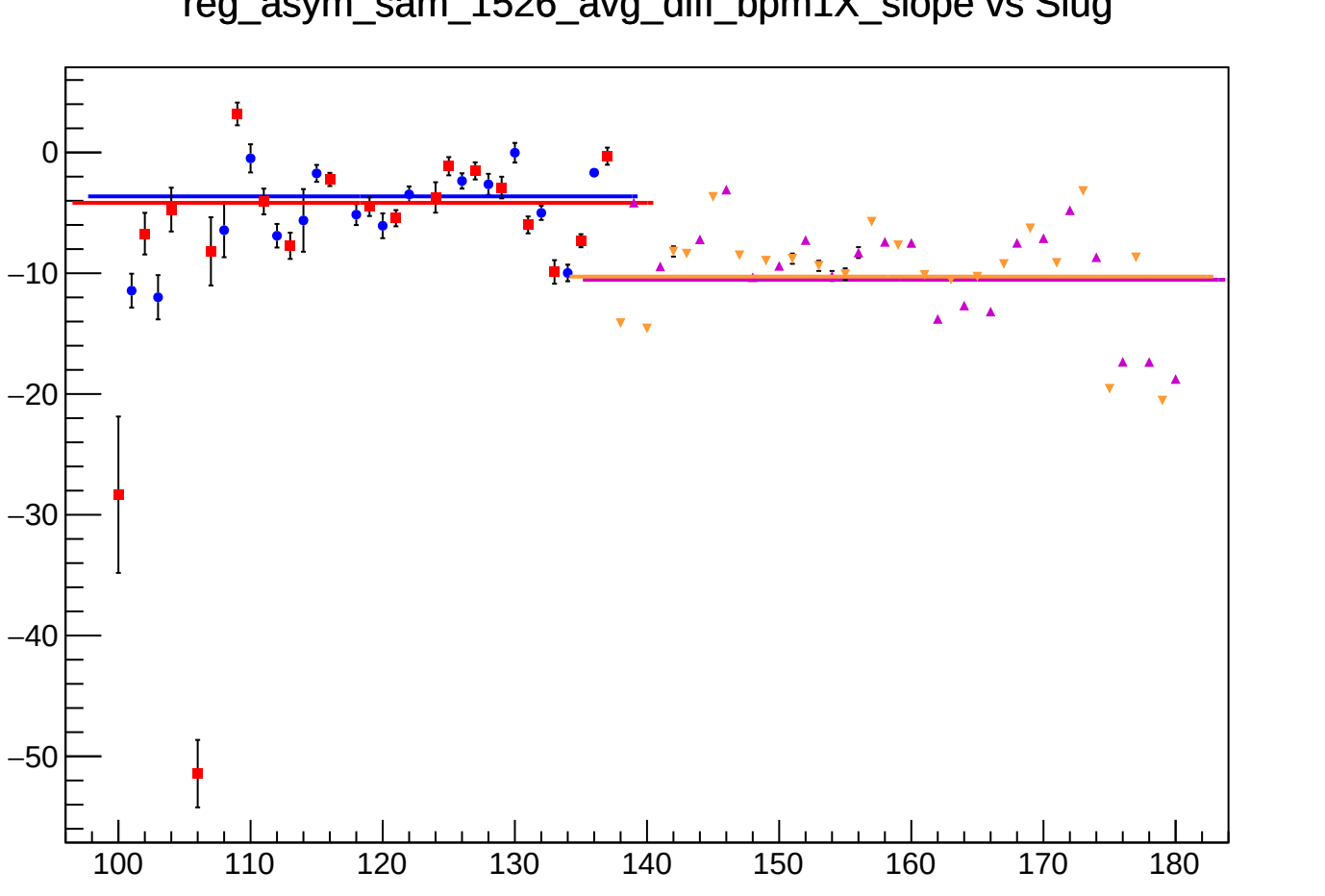
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: -0.024+/-0.007 χ^2/NDF:1554.0/20

+ sign -0.052+/-0.007 χ^2/NDF: 2330.9/37

All: -0.054+/-0.005 χ^2/NDF: 4954.8/77

- 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: -10.277+/-0.059 χ^2/NDF:7629.8/21

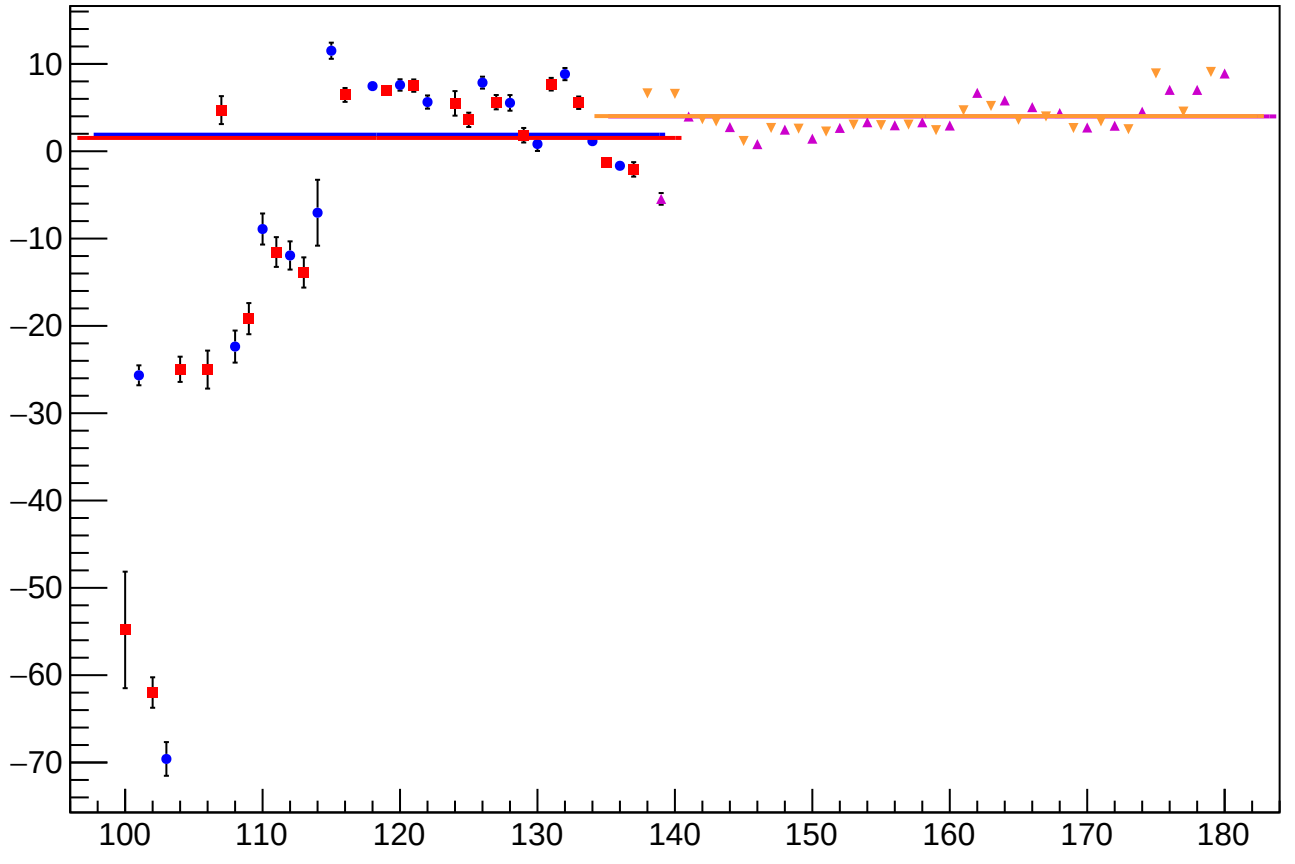
Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -10.538+/-0.057 χ^2/NDF:7447.1/20

\+ sign -9.685+/-0.056 χ^2/NDF: 8989.4/37

All: -9.875+/-0.039 χ^2/NDF: 17931.6/77

\- 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: 4.025+/-0.044 χ^2/NDF:2296.9/21

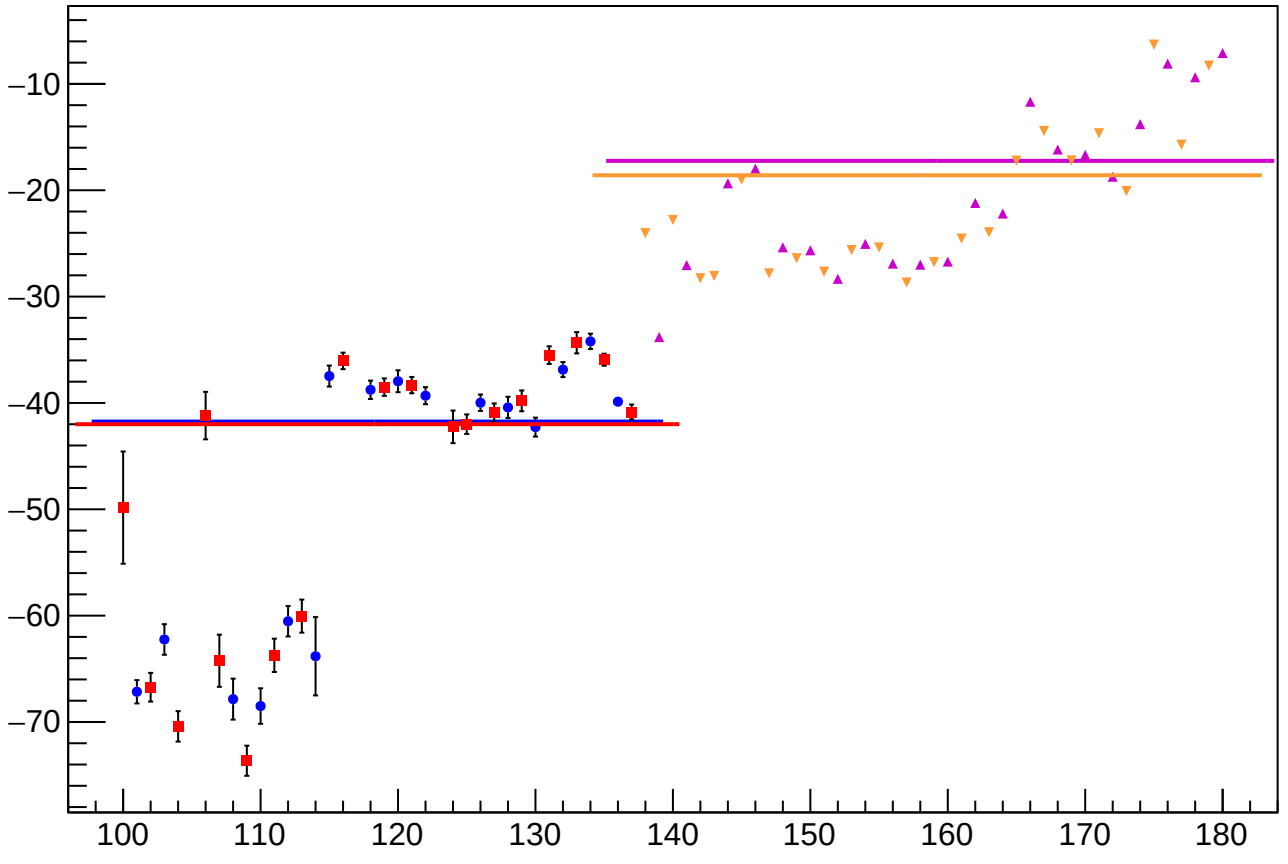
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.989+/-0.043 χ^2/NDF:2725.8/20

+ sign 3.915+/-0.043 χ^2/NDF: 5255.2/37

All: 3.900+/-0.030 χ^2/NDF: 10675.2/77

- 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: -18.593+/-0.059 χ^2/NDF:13639.0/21

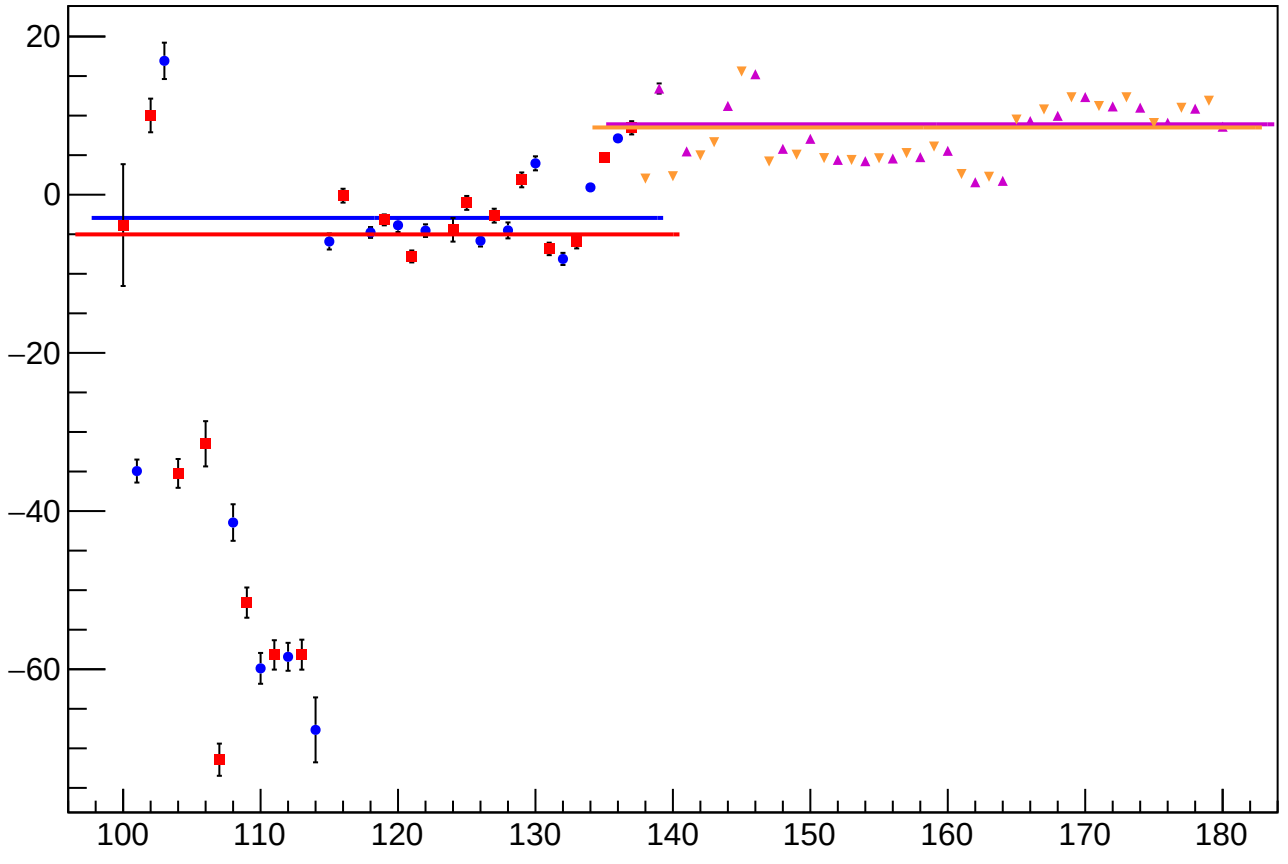
Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -17.237+/-0.057 χ^2/NDF:15655.5/20

+ sign -20.313+/-0.057 χ^2/NDF: 26789.1/37

All: -19.475+/-0.039 χ^2/NDF: 55939.7/77

- sign -18.680+/-0.055 χ^2/NDF: 28722.8/39



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.501+/-0.050 χ^2/NDF:6364.8/21

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

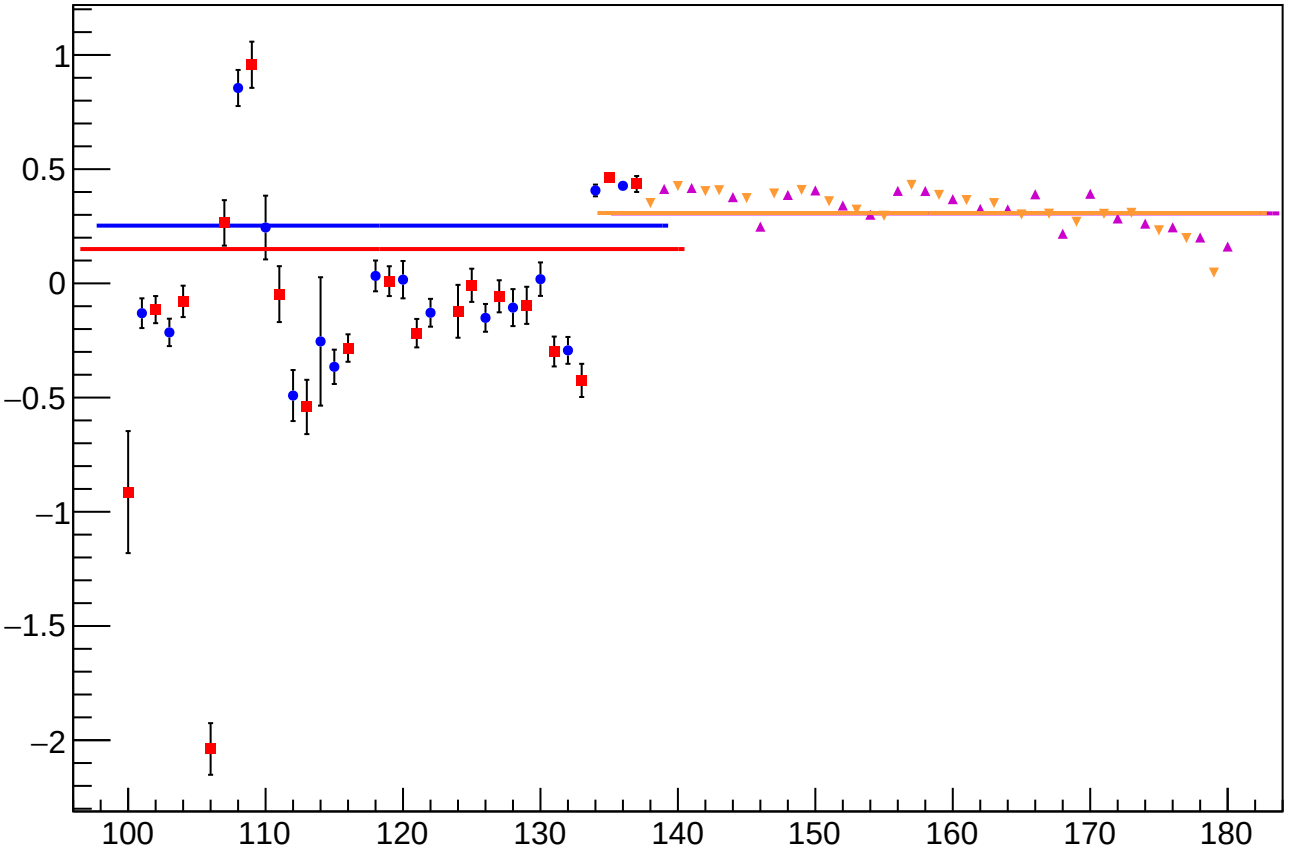
Left In: 8.901+/-0.049 χ^2/NDF:5405.5/20

+ sign 7.893+/-0.048 χ^2/NDF: 12908.1/37

All: 8.104+/-0.034 χ^2/NDF: 26180.9/77

- 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:1506.8/21

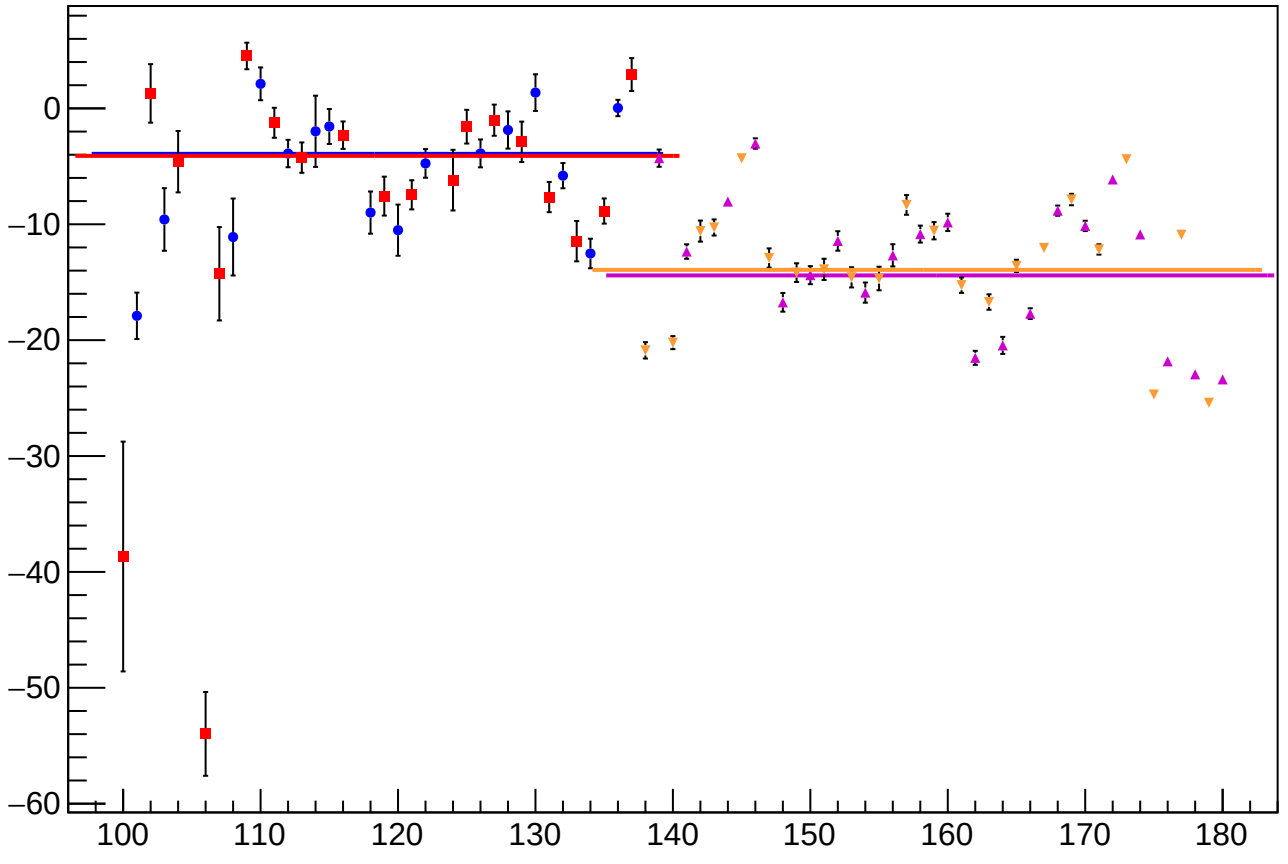
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.306+/-0.002 χ^2/NDF:1335.0/20

+ sign 0.306+/-0.002 χ^2/NDF: 2160.0/37

All: 0.304+/-0.002 χ^2/NDF: 4647.5/77

- sign 0.302+/-0.002 χ^2/NDF: 2486.1/39



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -13.935+/-0.116 χ^2/NDF:3525.7/21

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

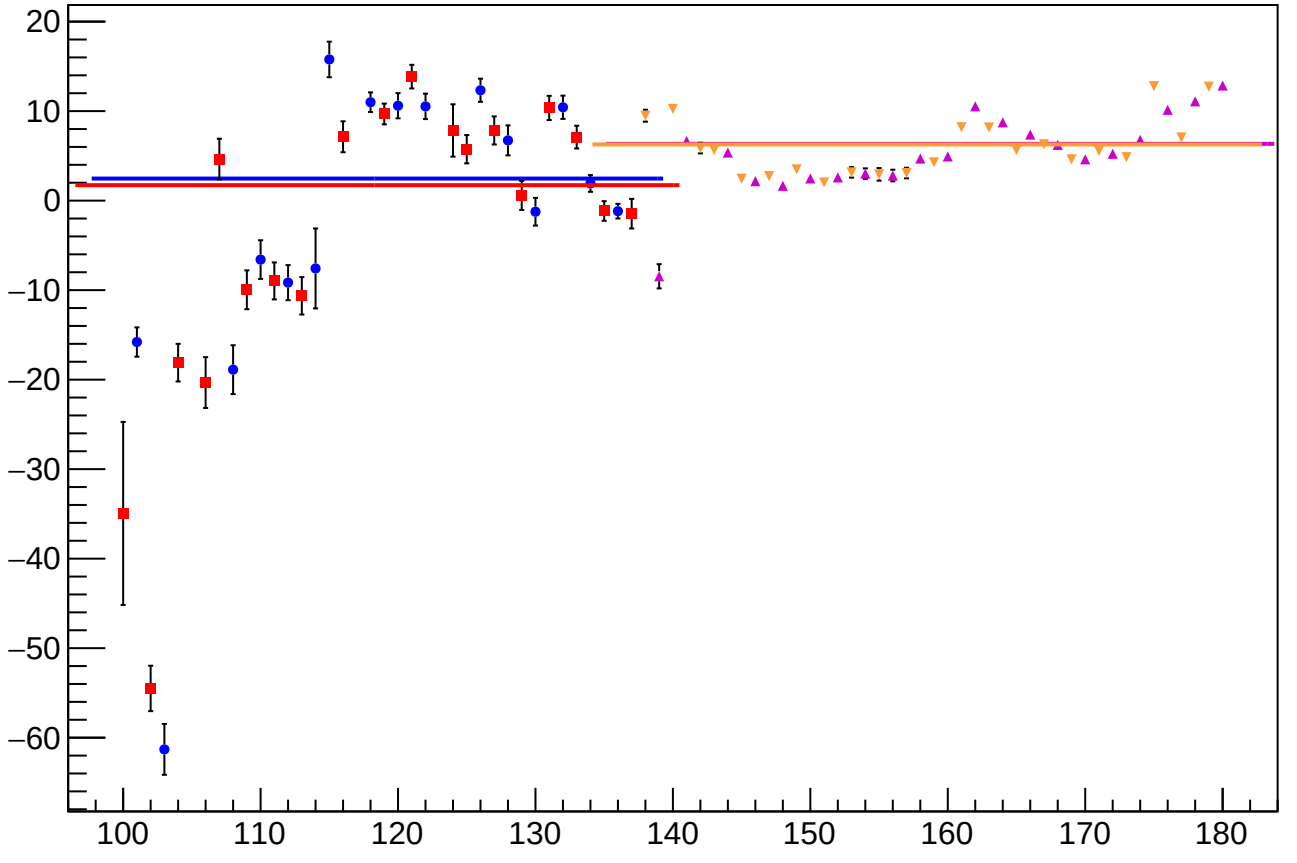
Left In: -14.414+/-0.110 χ^2/NDF:3883.1/20

+ sign -12.926+/-0.110 χ^2/NDF: 4467.2/37

All: -13.238+/-0.076 χ^2/NDF: 9496.4/77

- 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: 6.279+/-0.088 χ^2/NDF:1352.5/21

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

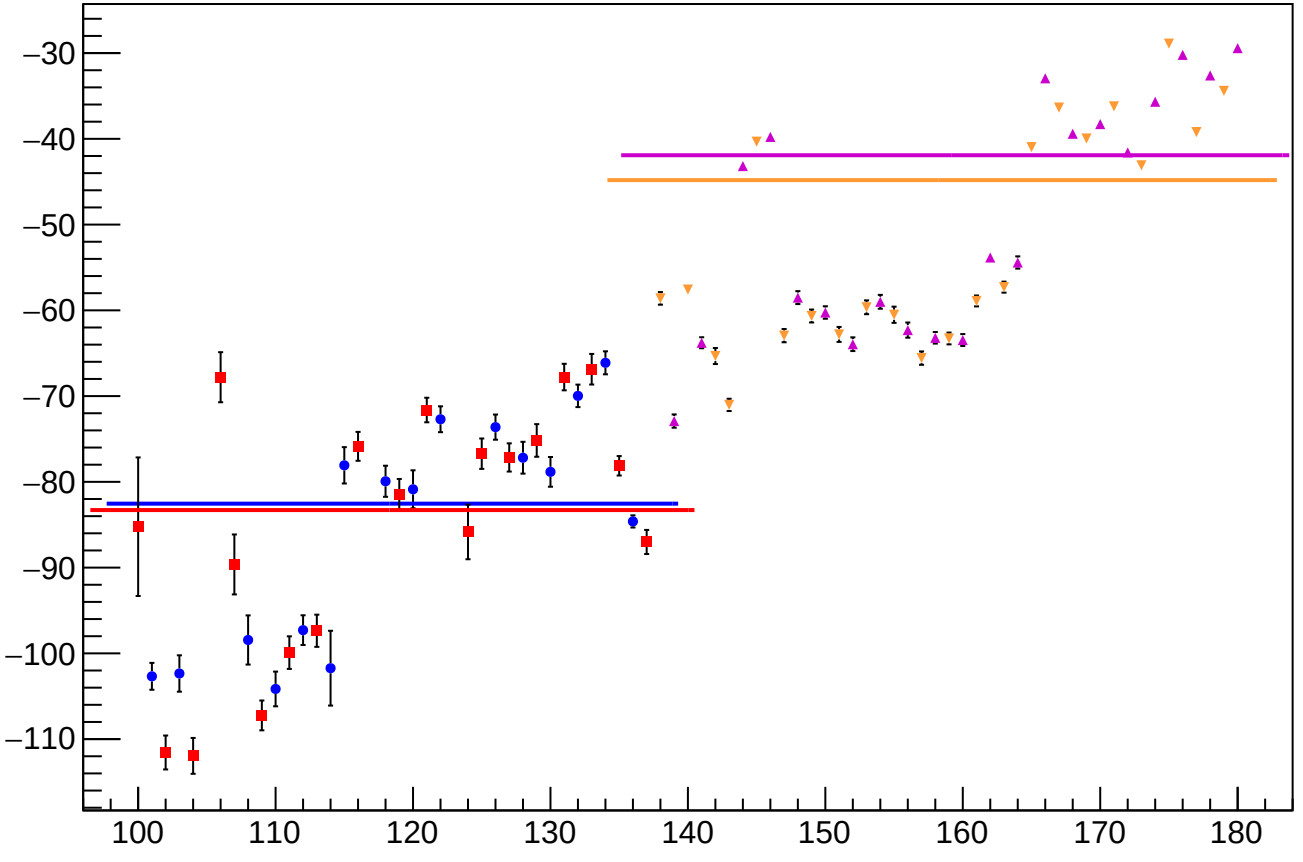
Left In: 6.344+/-0.085 χ^2/NDF:1703.6/20

+ sign 6.062+/-0.085 χ^2/NDF: 2507.0/37

All: 6.098+/-0.059 χ^2/NDF: 5330.5/77

- 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: -44.813+/-0.115 χ^2/NDF:11079.5/21

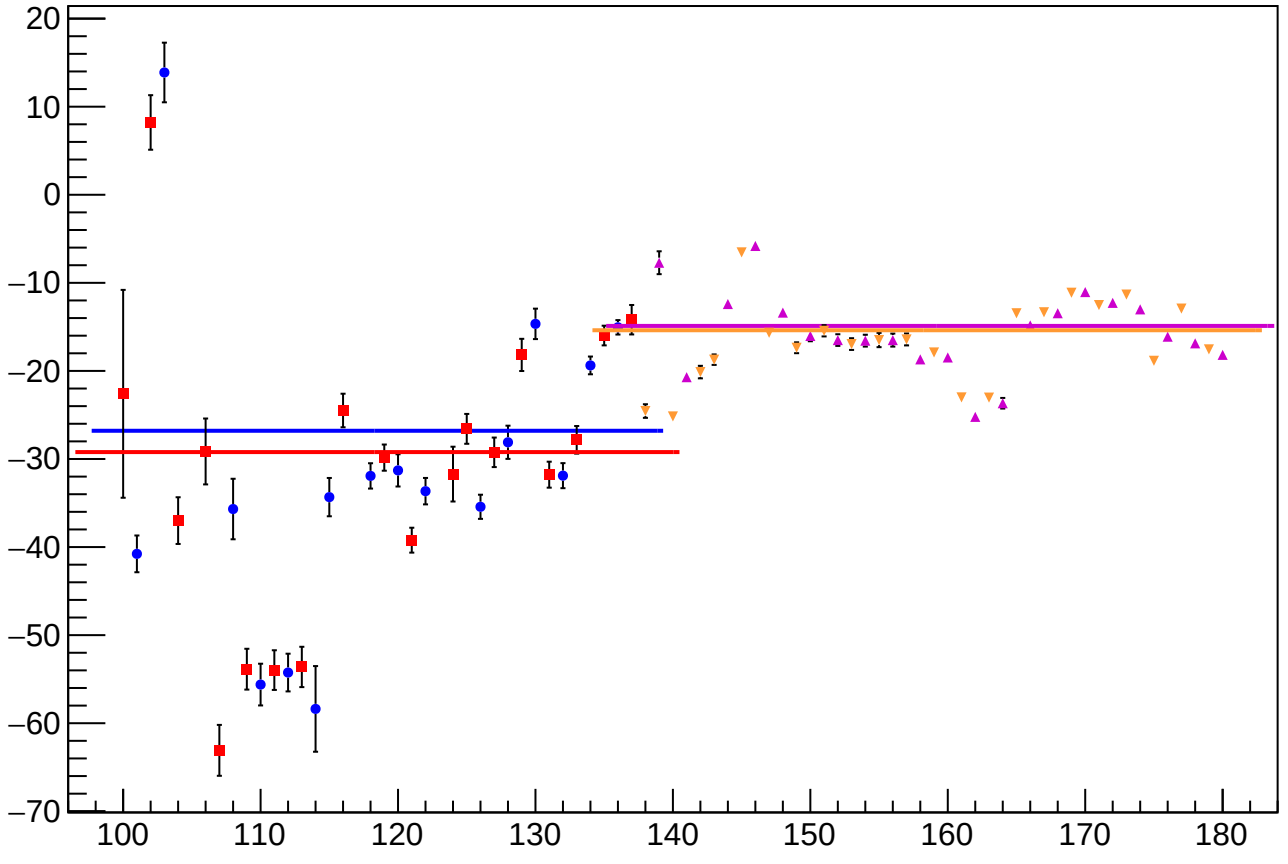
Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -41.912+/-0.109 χ^2/NDF:12342.9/20

+ sign -47.937+/-0.111 χ^2/NDF: 20758.0/37

All: -46.201+/-0.076 χ^2/NDF: 43991.4/77

- sign -44.612+/-0.106 χ^2/NDF: 22761.4/39



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.383+/-0.098 χ^2/NDF:2209.8/21

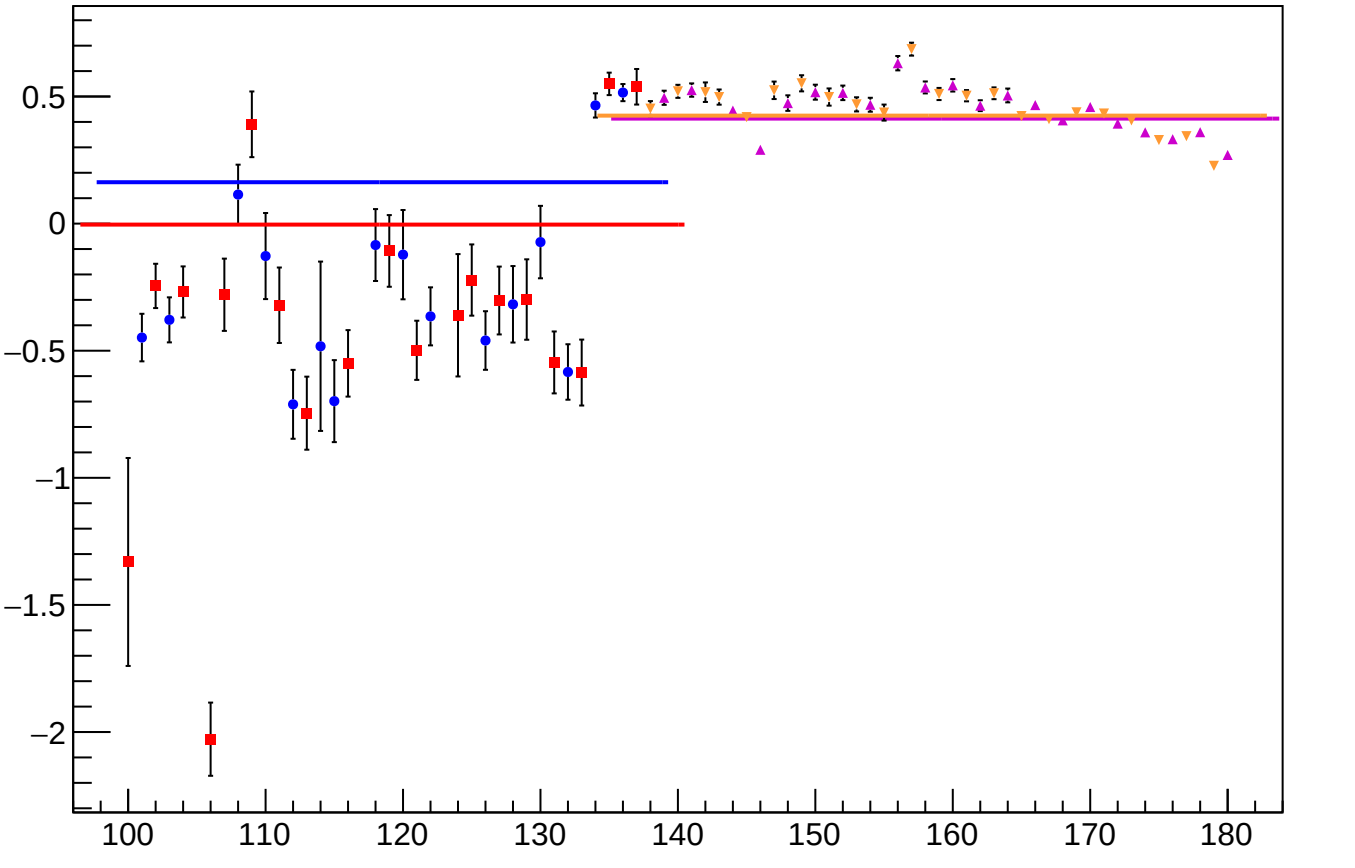
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.890+/-0.095 χ^2/NDF:2121.3/20

+ sign -16.045+/-0.095 χ^2/NDF: 3957.3/37

All: -15.790+/-0.066 χ^2/NDF: 8106.6/77

- 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: 0.425+/-0.004 χ^2/NDF:405.7/21

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

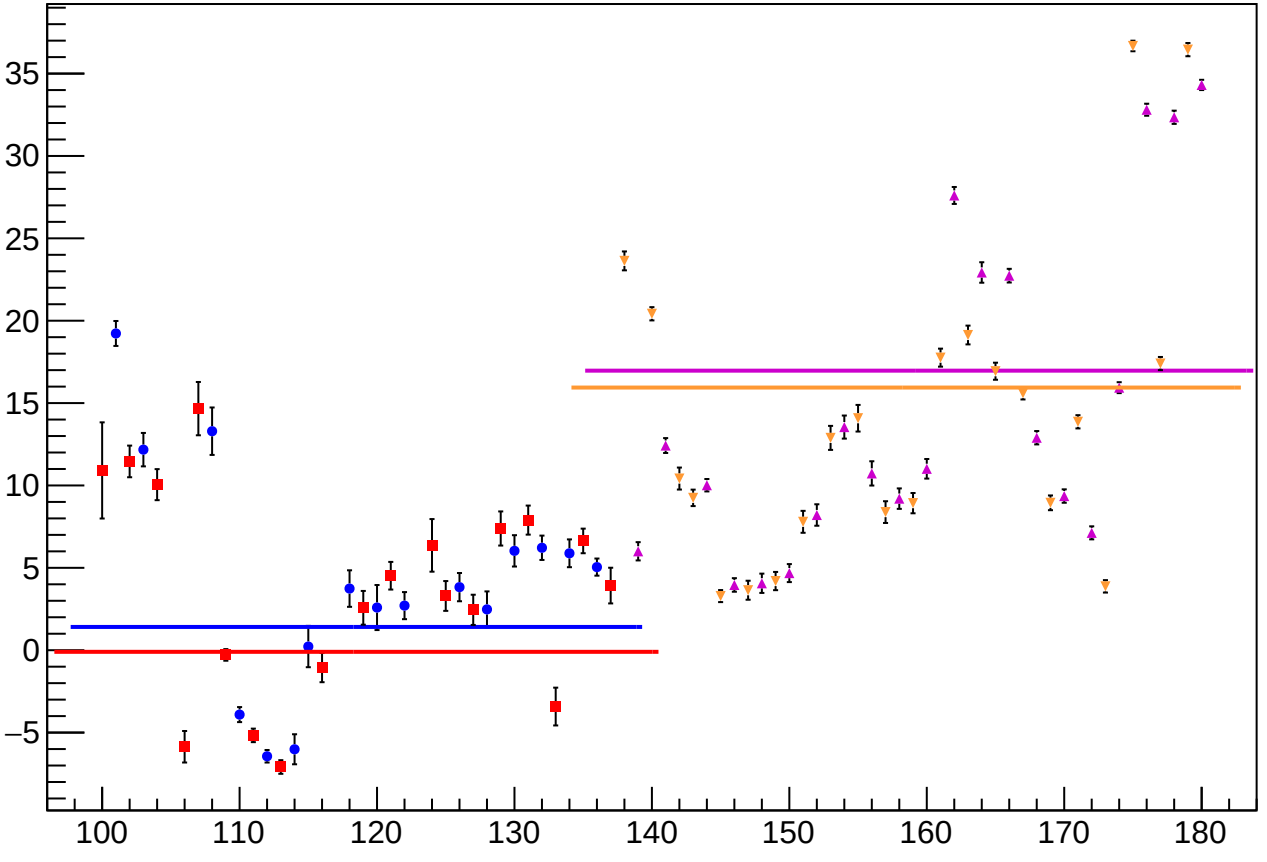
Left In: 0.413+/-0.004 χ^2/NDF:412.6/20

+ sign 0.414+/-0.004 χ^2/NDF: 972.0/37

All: 0.407+/-0.003 χ^2/NDF: 2246.2/77

- 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: 15.943+/-0.101 χ^2/NDF:11203.9/21

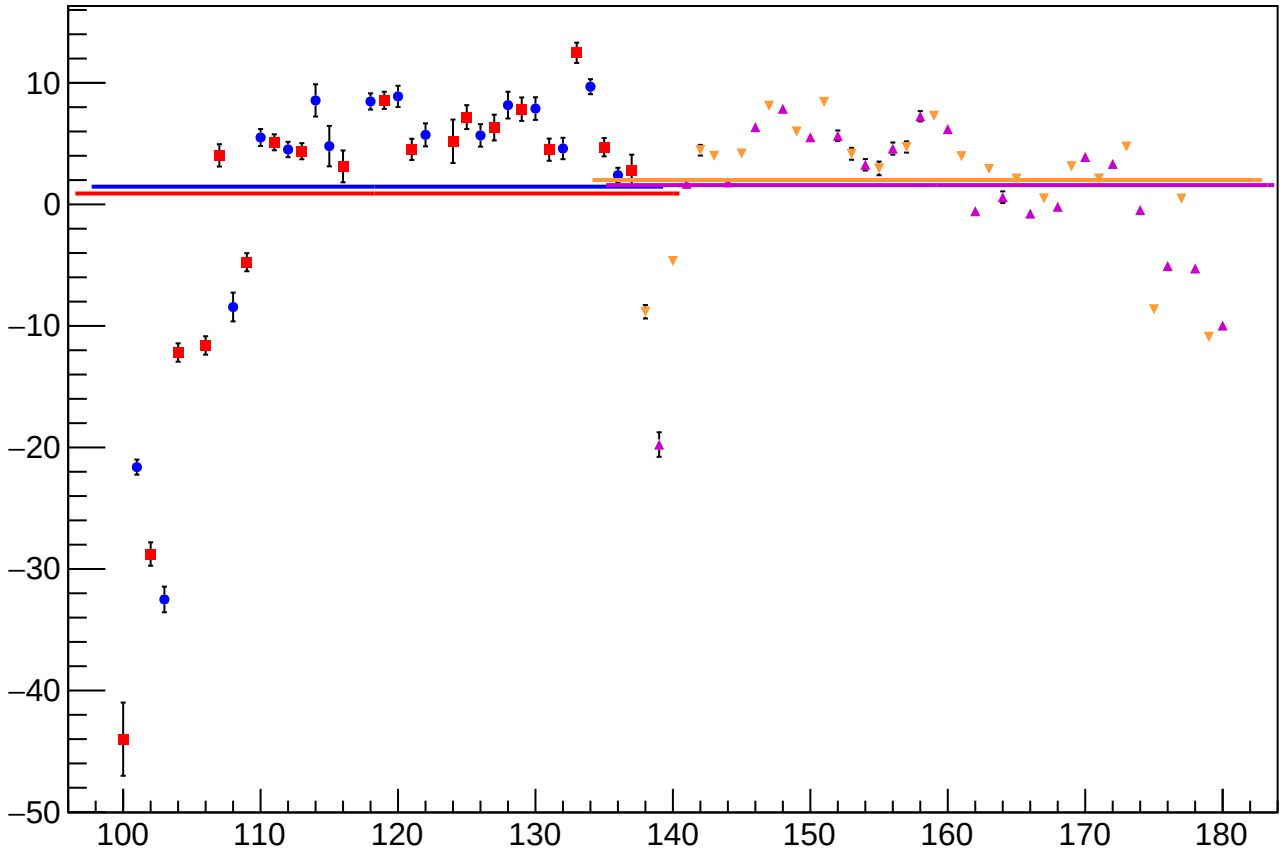
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 16.968+/-0.099 χ^2/NDF:11584.8/20

+ sign 12.536+/-0.089 χ^2/NDF: 17547.7/37

All: 12.553+/-0.061 χ^2/NDF: 37993.9/77

- sign 12.568+/-0.085 χ^2/NDF: 20446.1/39



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.010+/-0.075 χ^2/NDF:4767.5/21

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

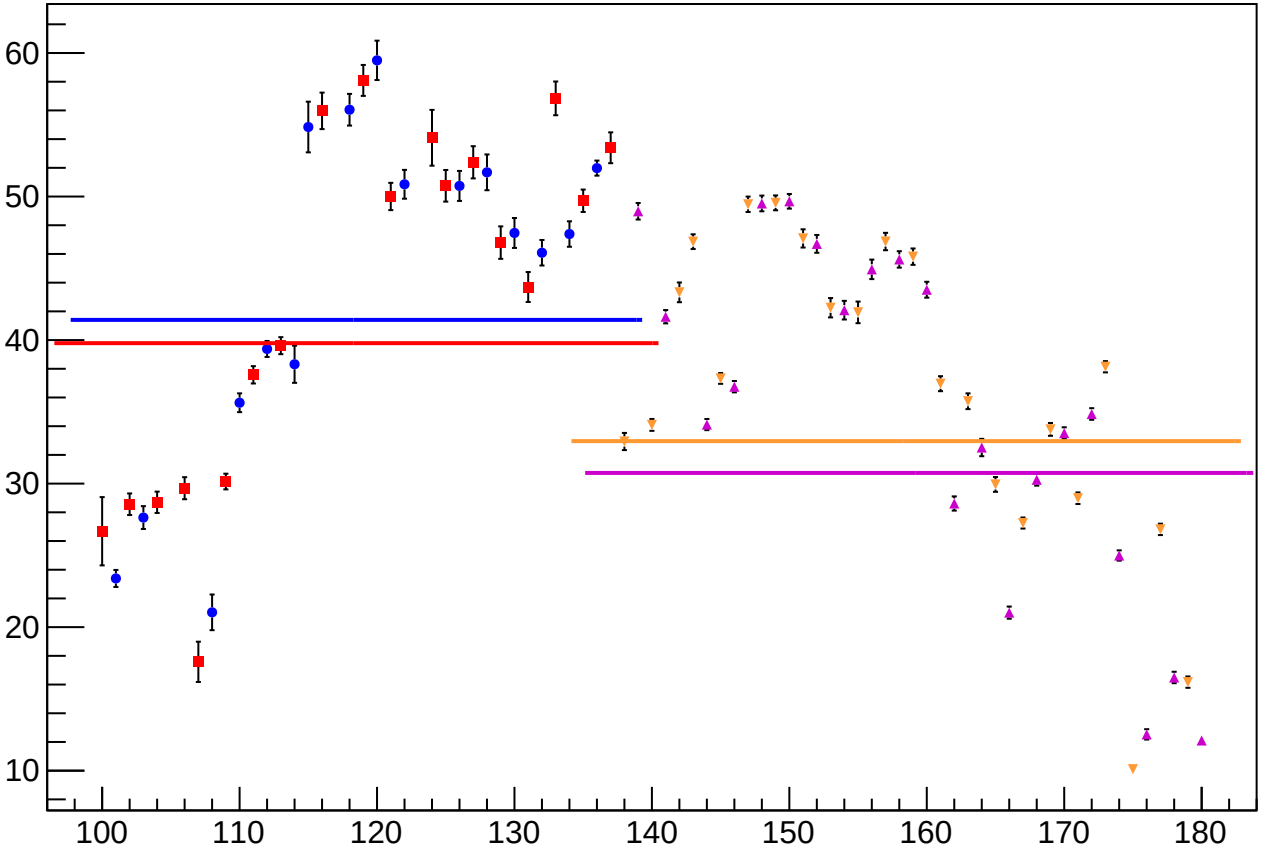
Left In: 1.590+/-0.075 χ^2/NDF:4463.4/20

\+ sign 1.943+/-0.071 χ^2/NDF: 7854.2/37

All: 1.724+/-0.050 χ^2/NDF: 14724.5/77

\- 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: 32.961+/-0.101 χ^2/NDF:12638.8/21

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

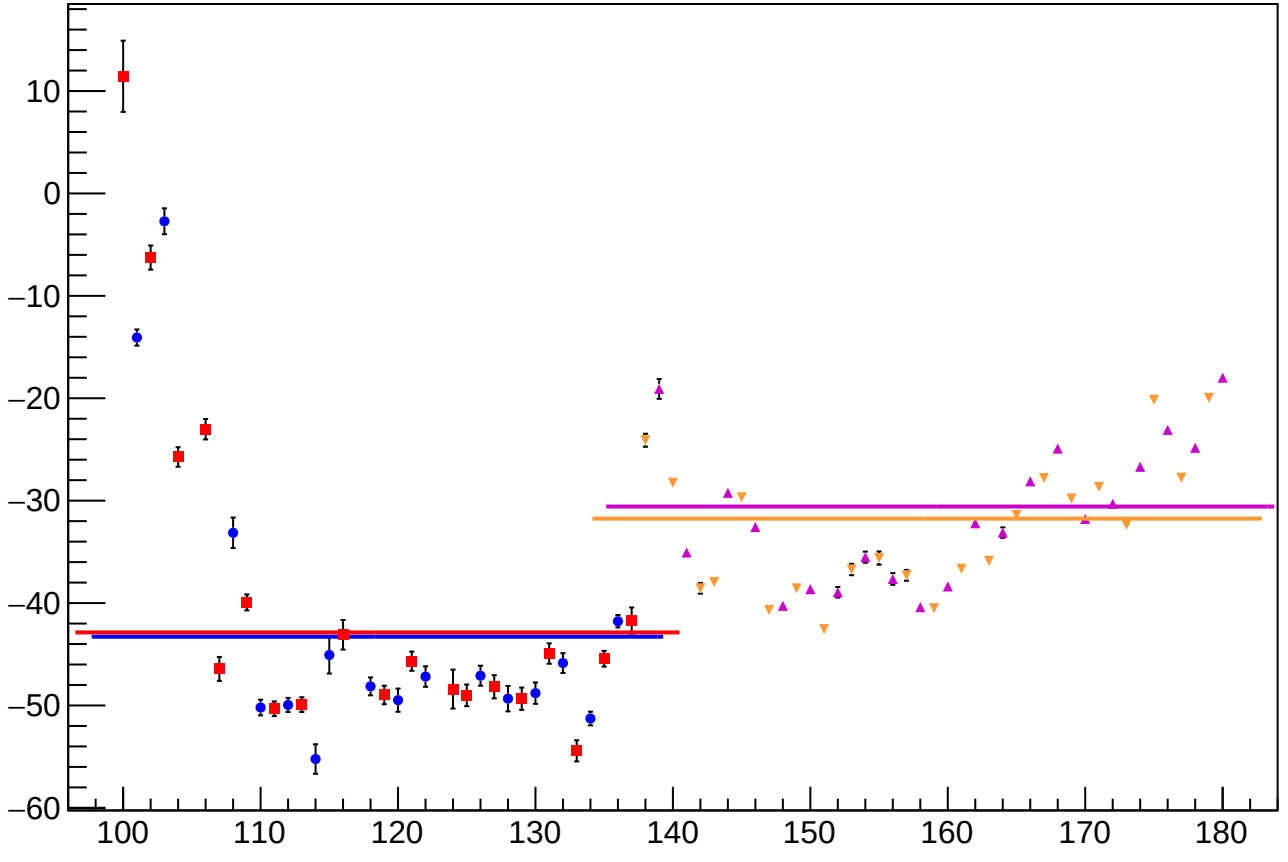
Left In: 30.745+/-0.098 χ^2/NDF:15421.8/20

+ sign 34.532+/-0.091 χ^2/NDF: 16693.7/37

All: 33.466+/-0.063 χ^2/NDF: 36646.1/77

- 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: -31.751+/-0.085 χ^2/NDF:5540.6/21

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

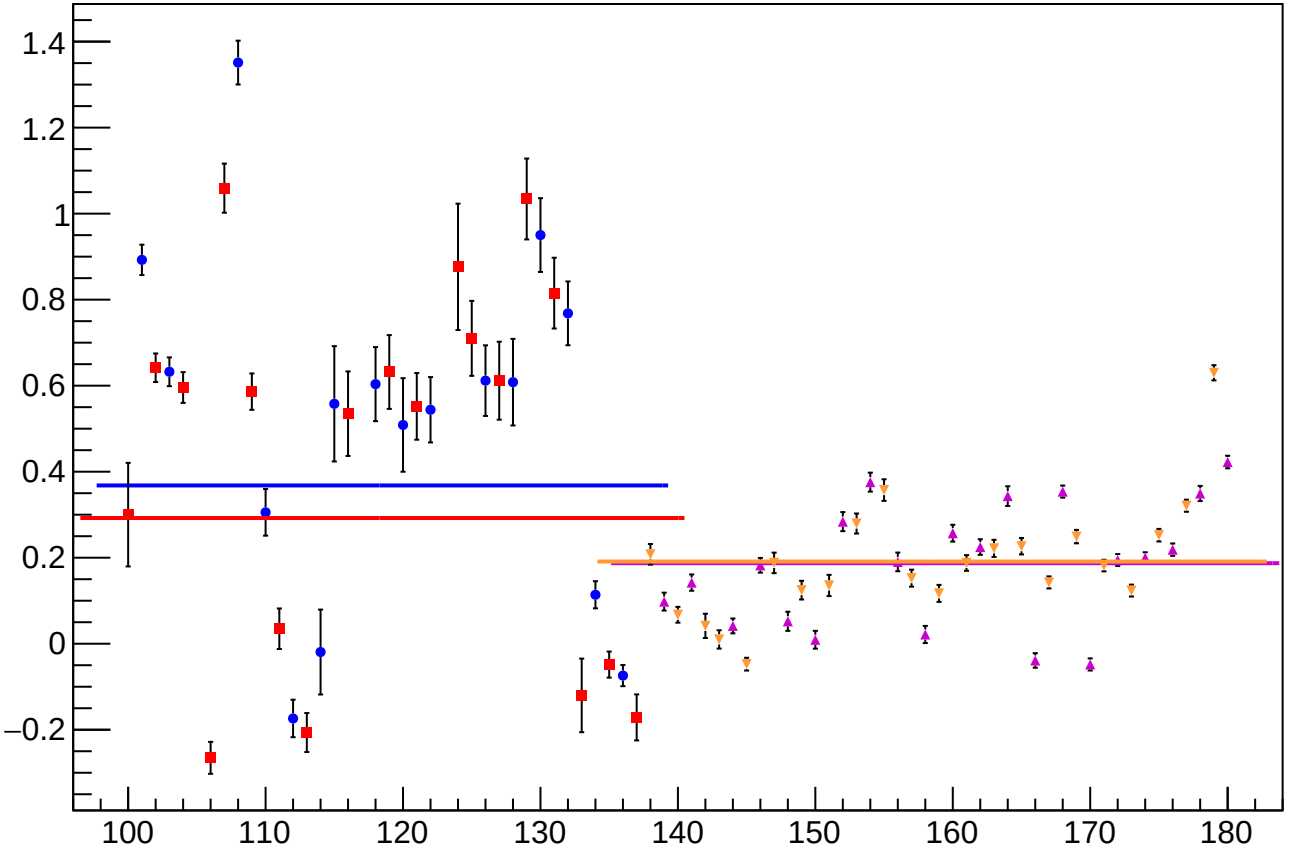
Left In: -30.575+/-0.084 χ^2/NDF:5421.5/20

+ sign -33.149+/-0.080 χ^2/NDF: 10748.8/37

All: -32.590+/-0.056 χ^2/NDF: 21258.4/77

- 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: 0.191+/-0.004 χ^2/NDF:1266.2/21

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

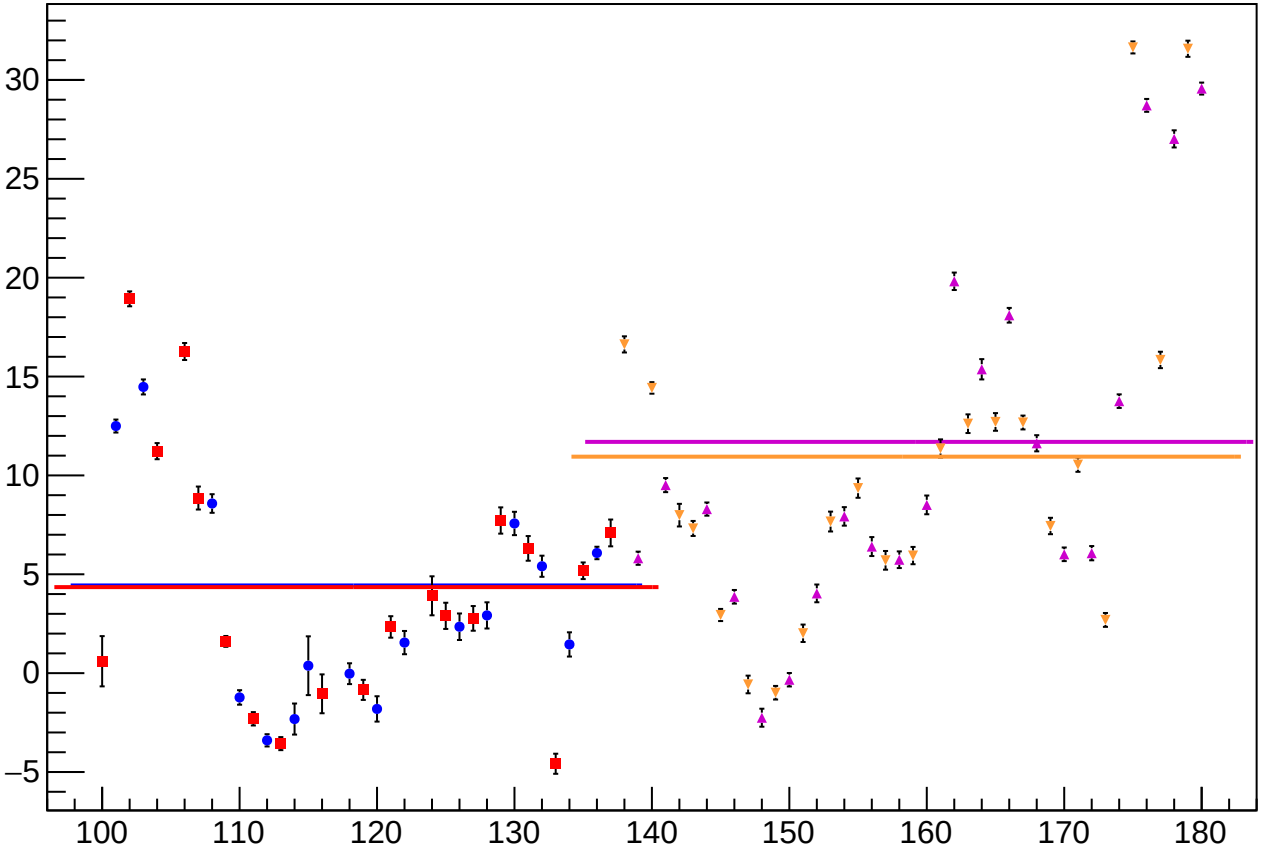
Left In: 0.187+/-0.004 χ^2/NDF:1377.5/20

+ sign 0.207+/-0.004 χ^2/NDF: 2778.4/37

All: 0.202+/-0.003 χ^2/NDF: 5428.0/77

- 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: 10.948+/-0.084 χ^2/NDF:11725.7/21

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

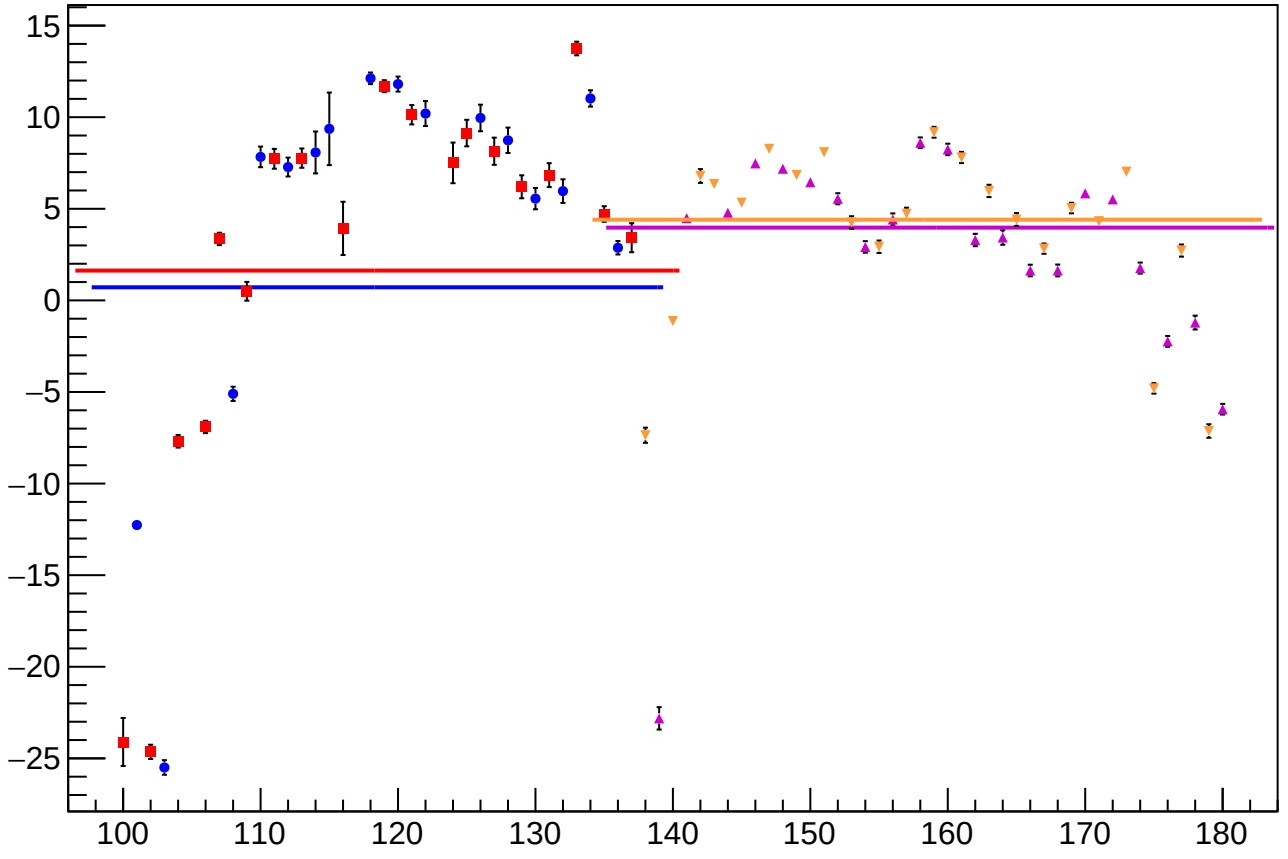
Left In: 11.696+/-0.083 χ^2/NDF:12571.6/20

+ sign 8.729+/-0.068 χ^2/NDF: 16392.1/37

All: 8.863+/-0.048 χ^2/NDF: 36039.2/77

- sign 8.990+/-0.066 χ^2/NDF: 19639.7/39

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.405+/-0.061 χ^2/NDF:4699.6/21

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

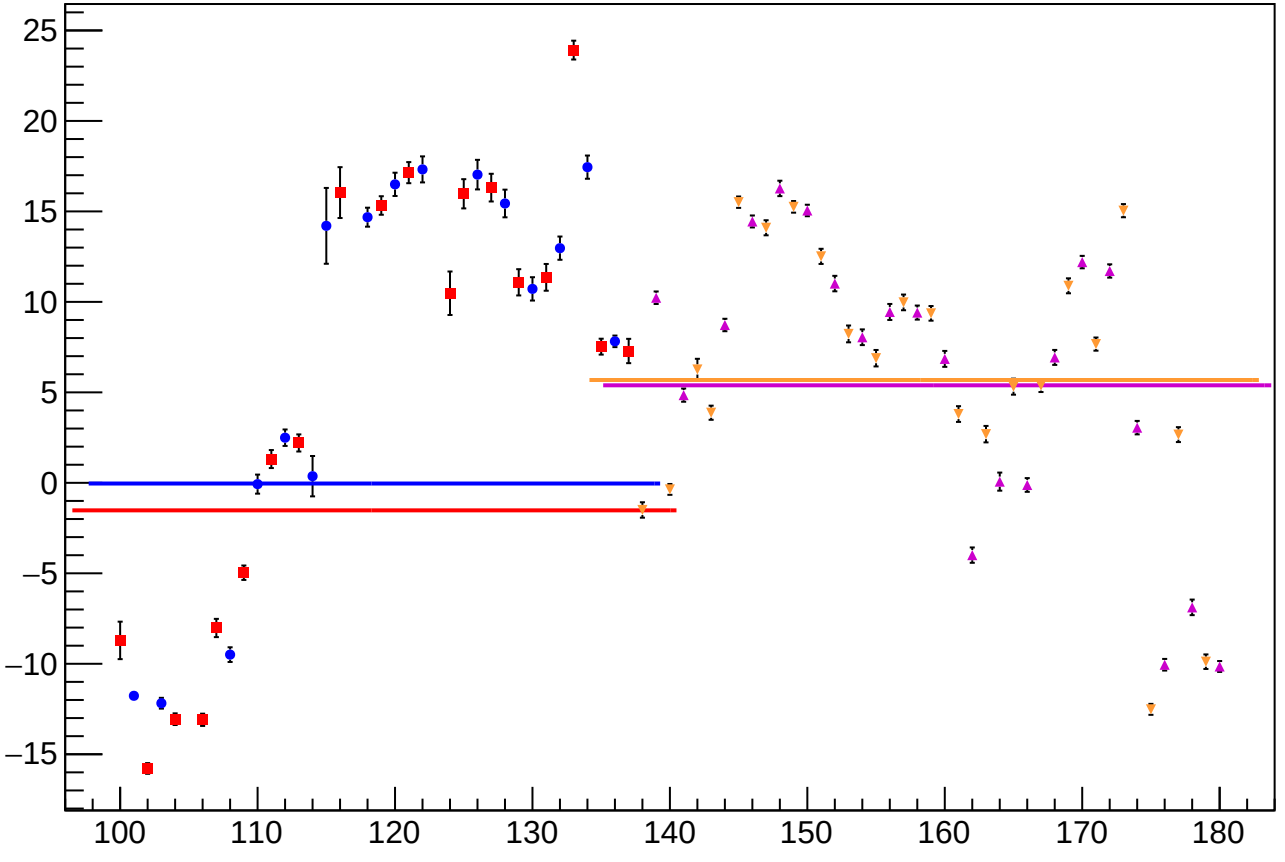
Left In: 3.973+/-0.063 χ^2/NDF:5073.1/20

+ sign 3.595+/-0.054 χ^2/NDF: 15944.4/37

All: 3.501+/-0.039 χ^2/NDF: 30617.5/77

- 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: 5.683+/-0.083 χ^2/NDF:9530.3/21

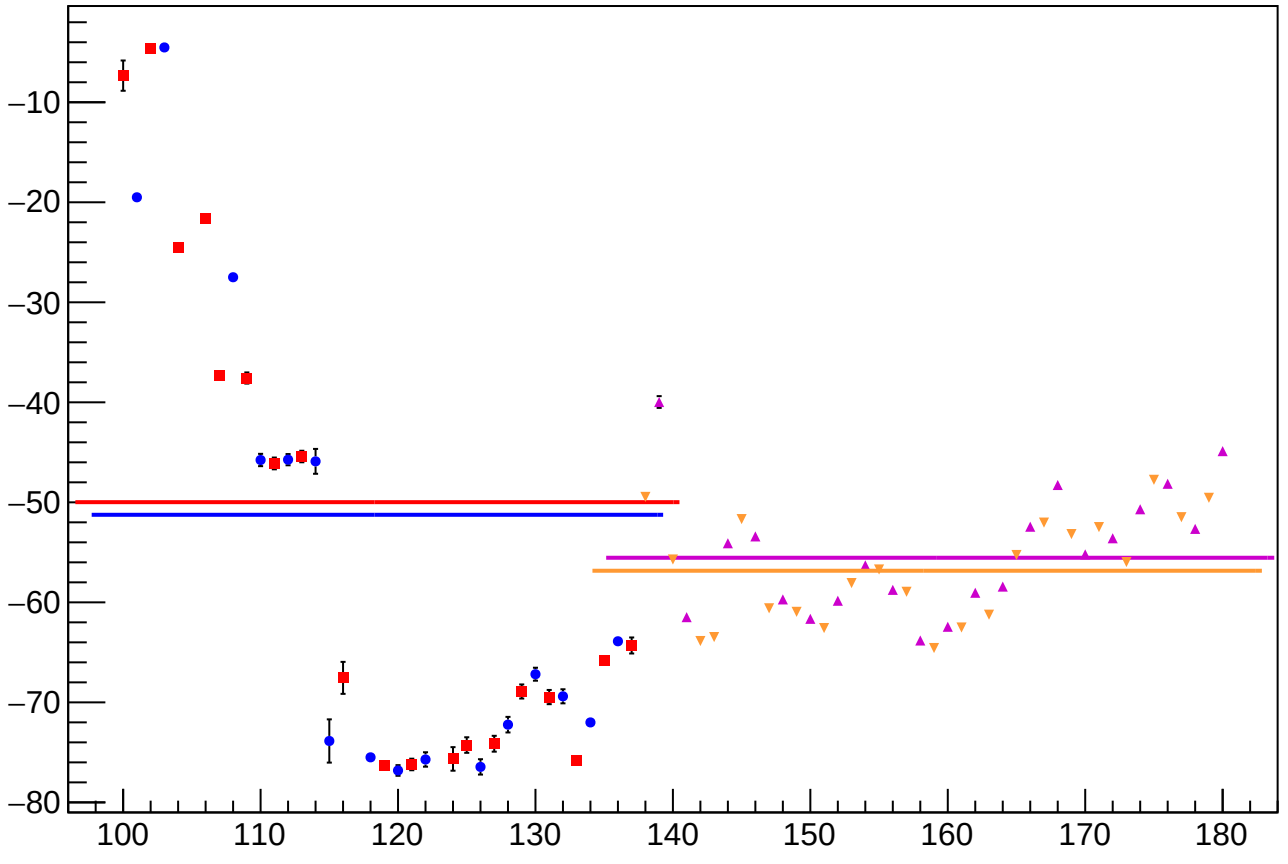
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 5.389+/-0.082 χ^2/NDF:10357.2/20

+ sign 3.816+/-0.068 χ^2/NDF: 20352.4/37

All: 3.428+/-0.048 χ^2/NDF: 45290.5/77

- 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: -56.840+/-0.070 χ^2/NDF:5185.4/21

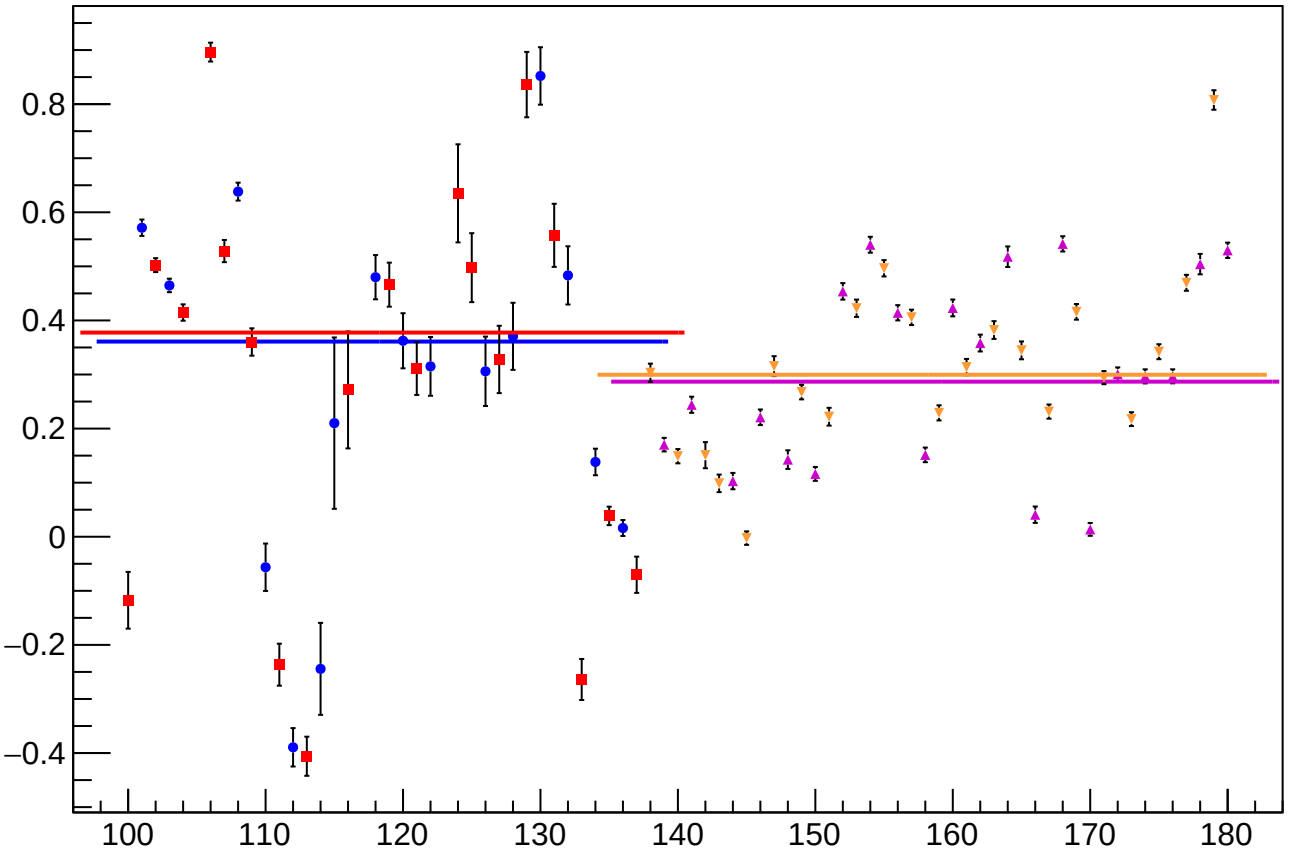
Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -55.541+/-0.071 χ^2/NDF:5952.0/20

+ sign -55.660+/-0.062 χ^2/NDF: 40290.3/37

All: -54.969+/-0.044 χ^2/NDF: 81778.6/77

- sign -54.277+/-0.062 χ^2/NDF: 41242.3/39



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.300+/-0.003 χ^2/NDF:2350.3/21

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

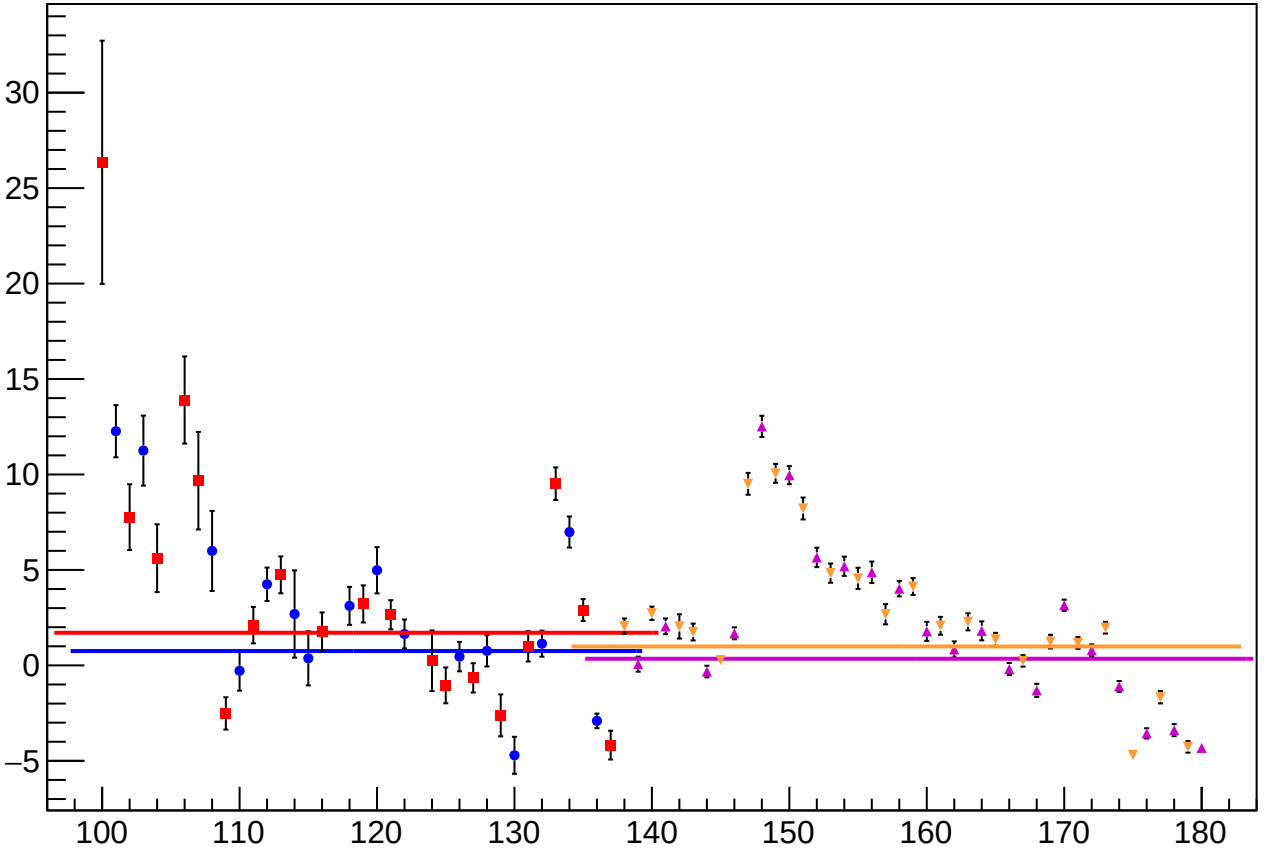
Left In: 0.287+/-0.003 χ^2/NDF:2895.5/20

+ sign 0.312+/-0.003 χ^2/NDF: 4284.8/37

All: 0.309+/-0.002 χ^2/NDF: 10147.7/77

- 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: 0.991+/-0.080 χ^2/NDF:1823.1/21

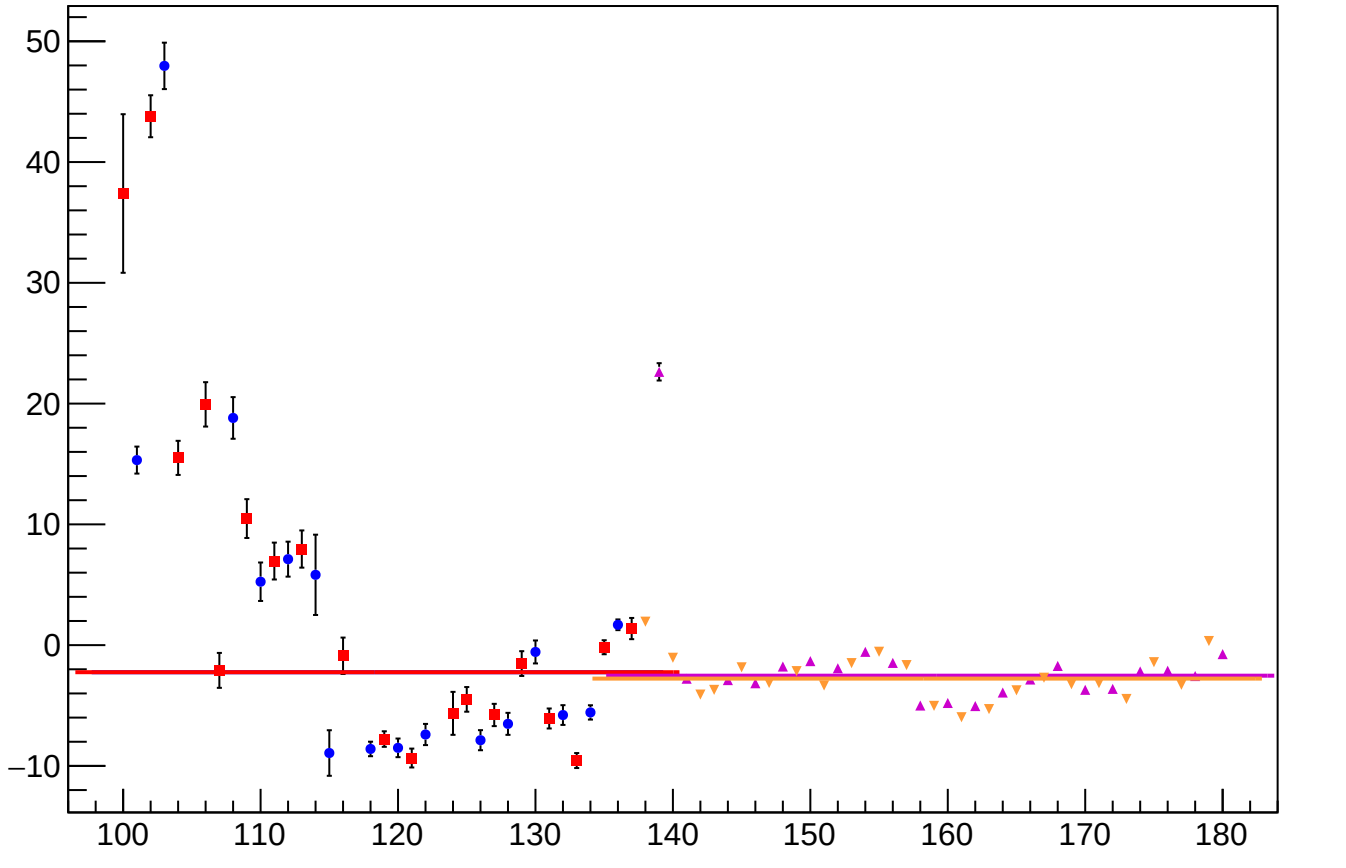
Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.347+/-0.077 χ^2/NDF:2239.4/20

+ sign 0.961+/-0.075 χ^2/NDF: 2154.3/37

All: 0.720+/-0.052 χ^2/NDF: 4741.2/77

- 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: -2.771+/-0.060 χ^2/NDF:742.8/21

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

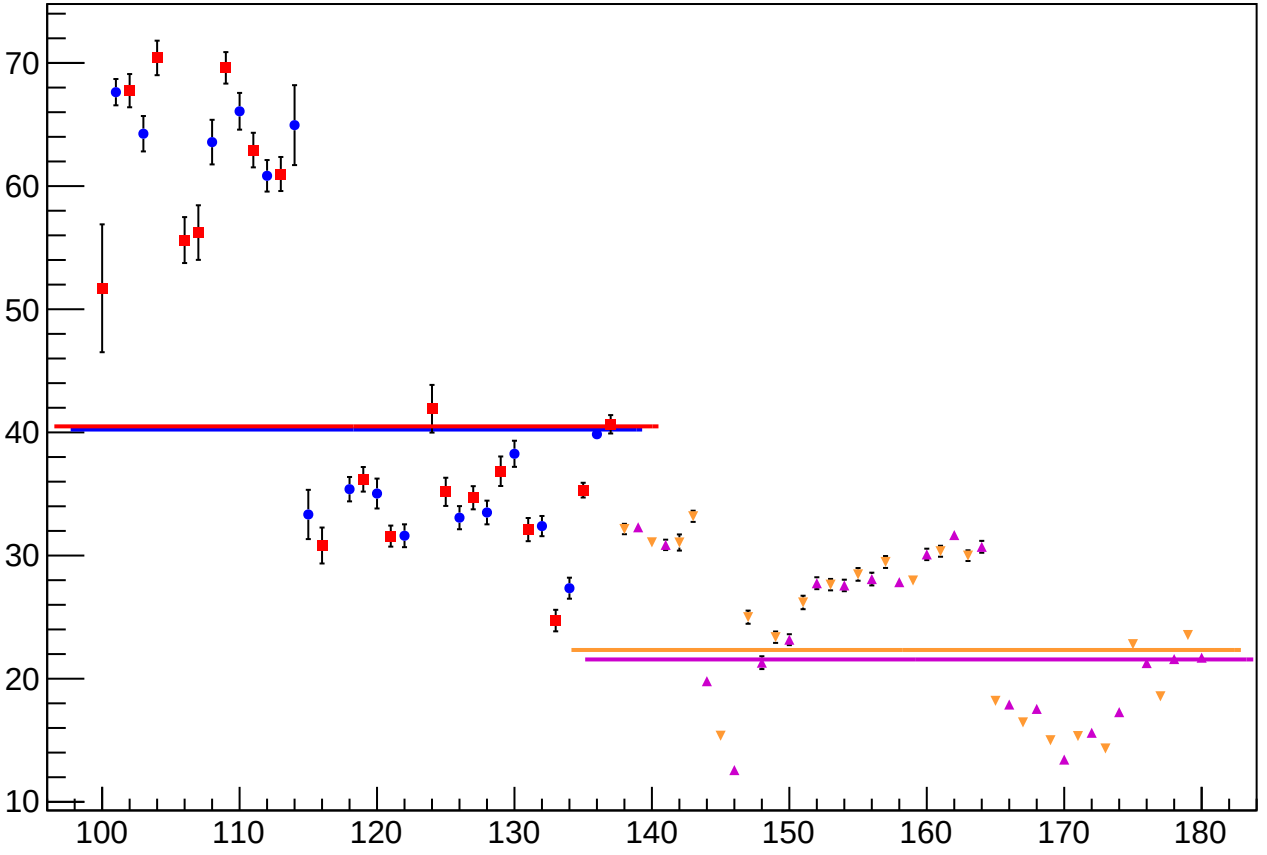
Left In: -2.529+/-0.059 χ^2/NDF:1649.9/20

+ sign -2.733+/-0.058 χ^2/NDF: 2320.8/37

All: -2.621+/-0.041 χ^2/NDF: 5535.2/77

- 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: 22.333+/-0.080 χ^2/NDF:6148.0/21

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

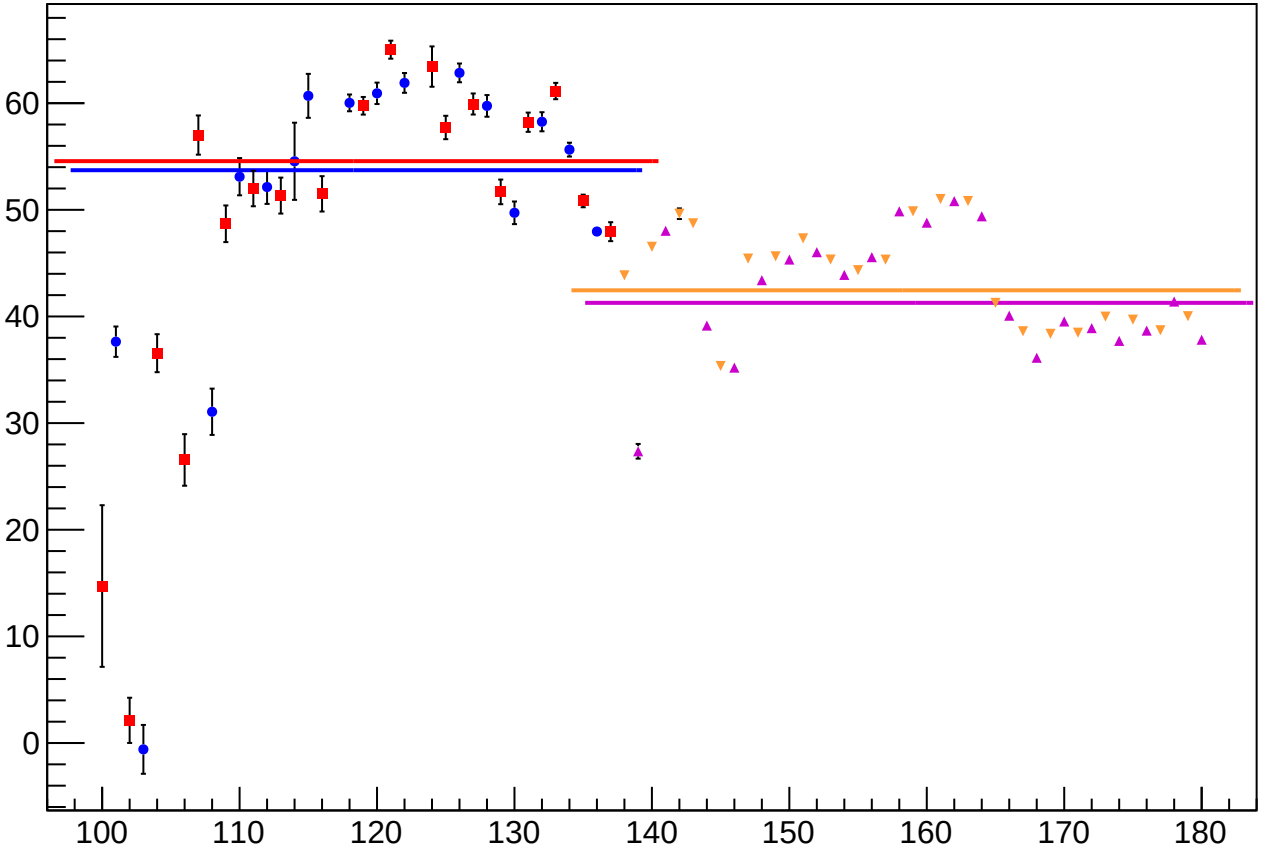
Left In: 21.563+/-0.076 χ^2/NDF:5775.5/20

+ sign 24.223+/-0.075 χ^2/NDF: 13788.8/37

All: 23.682+/-0.052 χ^2/NDF: 27589.0/77

- 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: 42.452+/-0.068 χ^2/NDF:4859.9/21

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

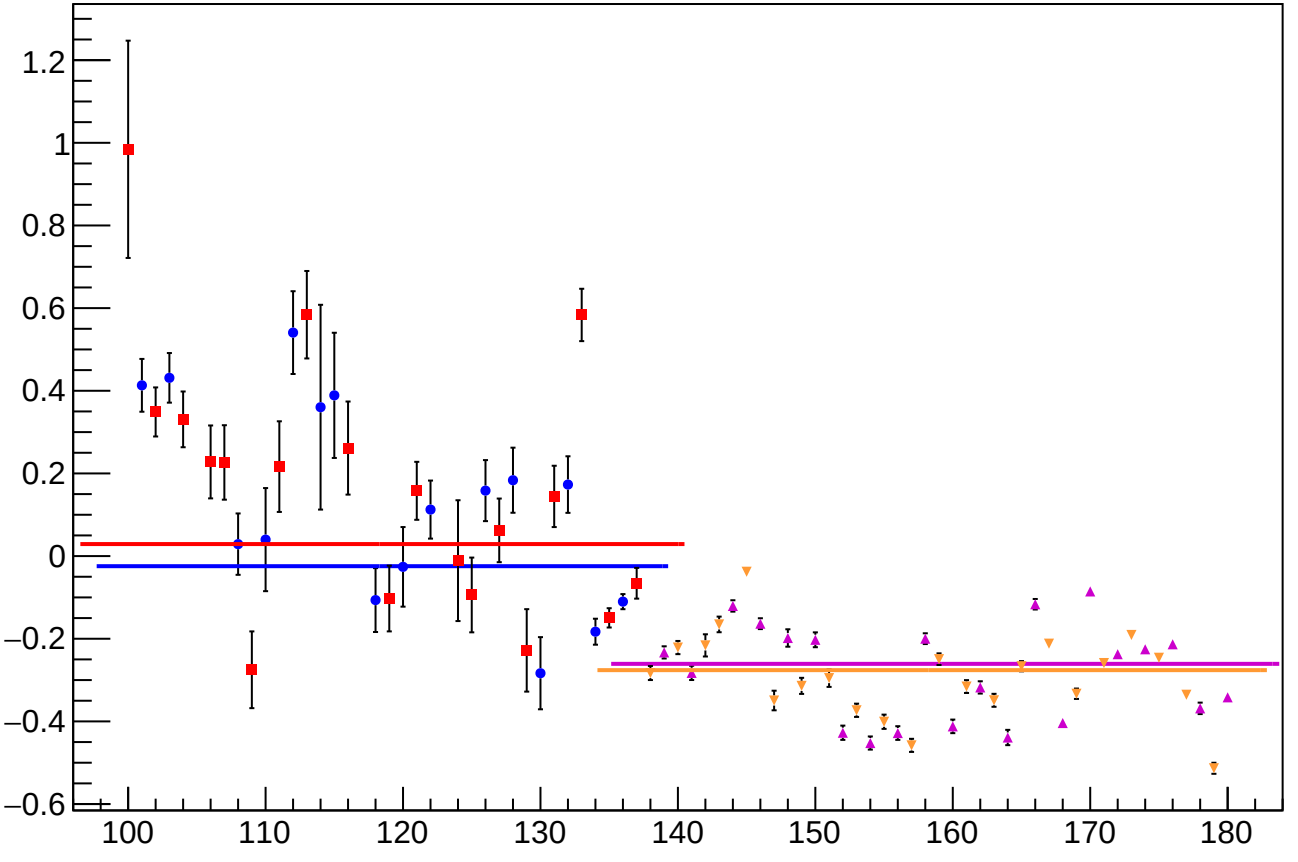
Left In: 41.277+/-0.066 χ^2/NDF:5400.5/20

+ sign 43.288+/-0.065 χ^2/NDF: 8278.5/37

All: 42.690+/-0.046 χ^2/NDF: 17710.5/77

- 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: -0.276+/-0.003 χ^2/NDF:1268.7/21

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

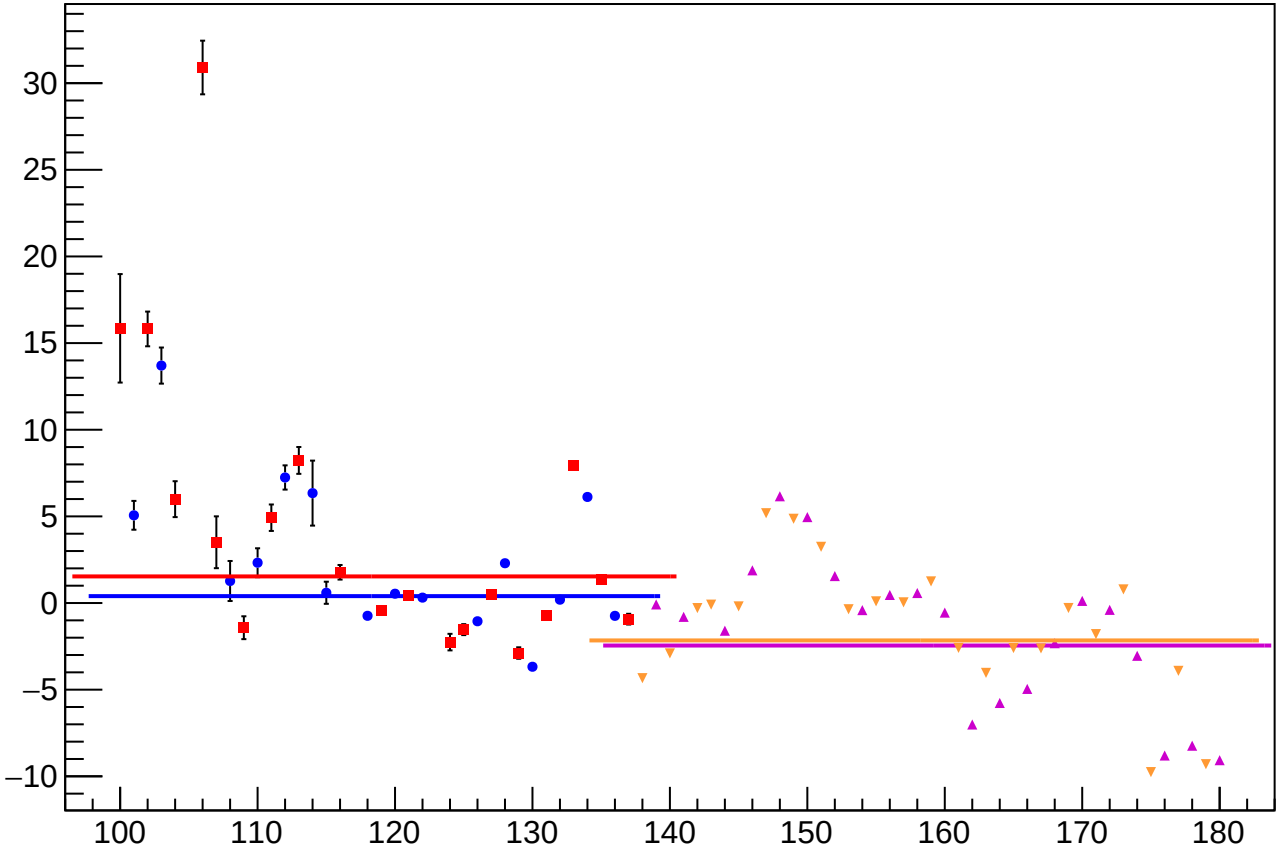
Left In: -0.261+/-0.003 χ^2/NDF:1466.9/20

+ sign -0.263+/-0.003 χ^2/NDF: 1864.1/37

All: -0.256+/-0.002 χ^2/NDF: 4015.6/77

- 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: -2.158+/-0.031 χ^2/NDF:16071.4/21

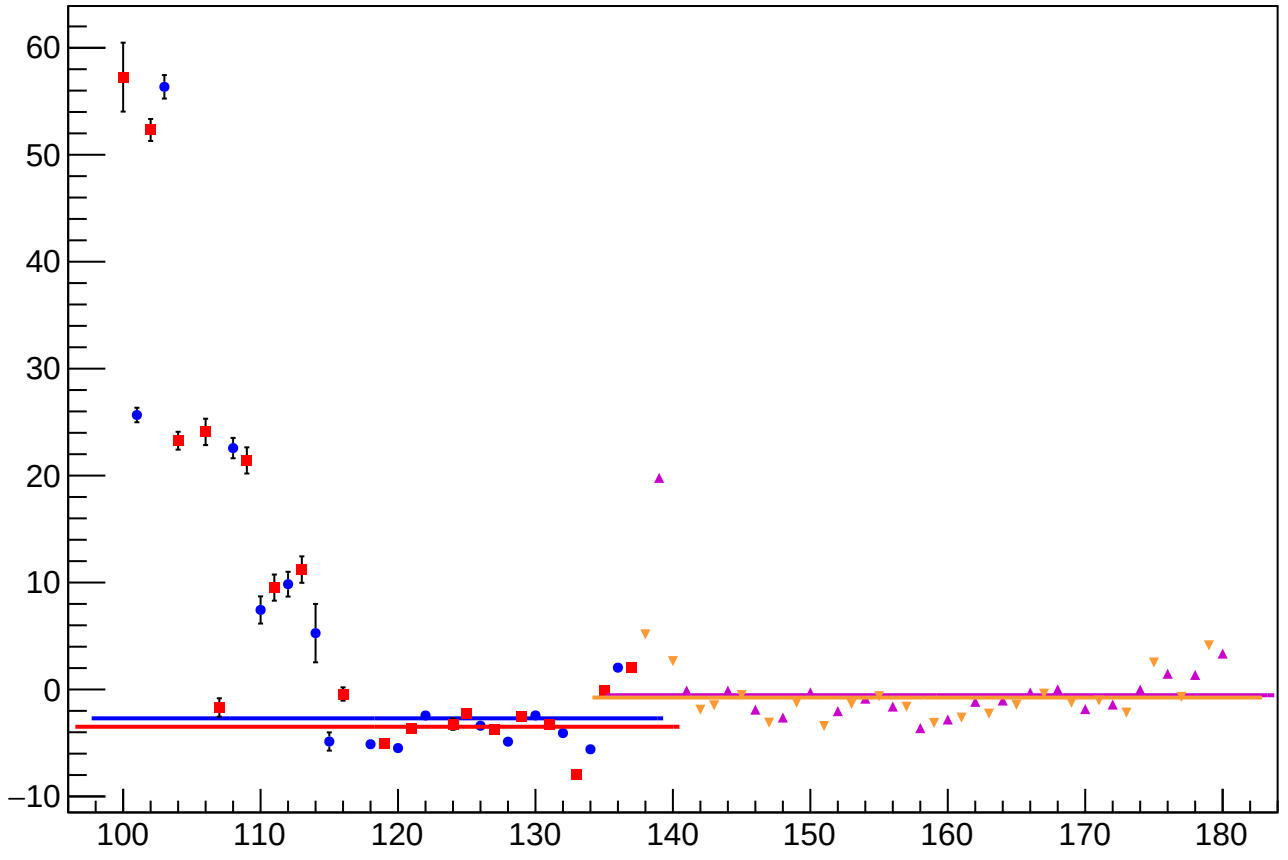
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -2.453+/-0.030 χ^2/NDF:19127.5/20

+ sign -1.804+/-0.029 χ^2/NDF: 18116.7/37

All: -1.872+/-0.020 χ^2/NDF: 41933.3/77

- 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: -0.756+/-0.023 χ^2/NDF:7742.0/21

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

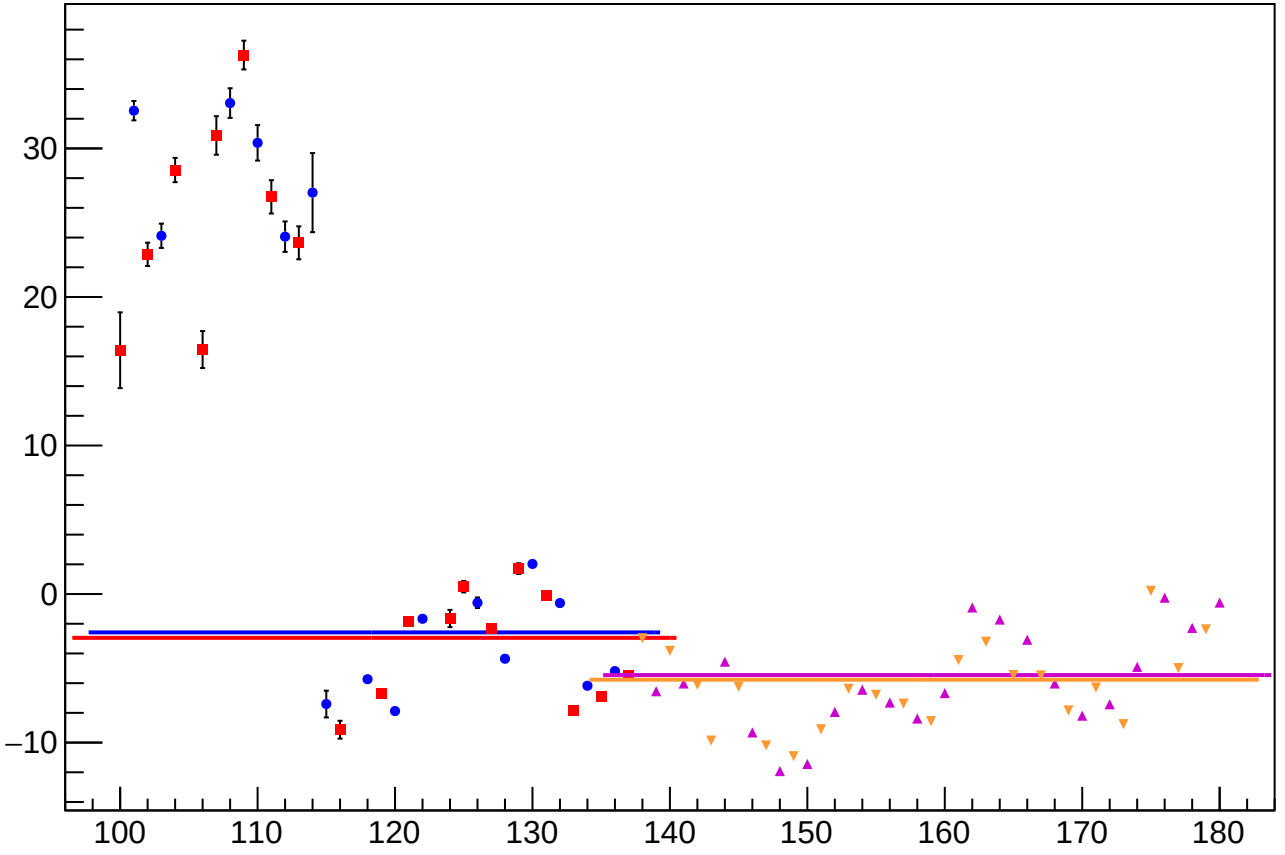
Left In: -0.538+/-0.023 χ^2/NDF:11093.3/20

+ sign -0.945+/-0.022 χ^2/NDF: 15526.9/37

All: -0.882+/-0.016 χ^2/NDF: 35360.9/77

- 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: -5.767+/-0.031 χ^2/NDF:9355.7/21

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

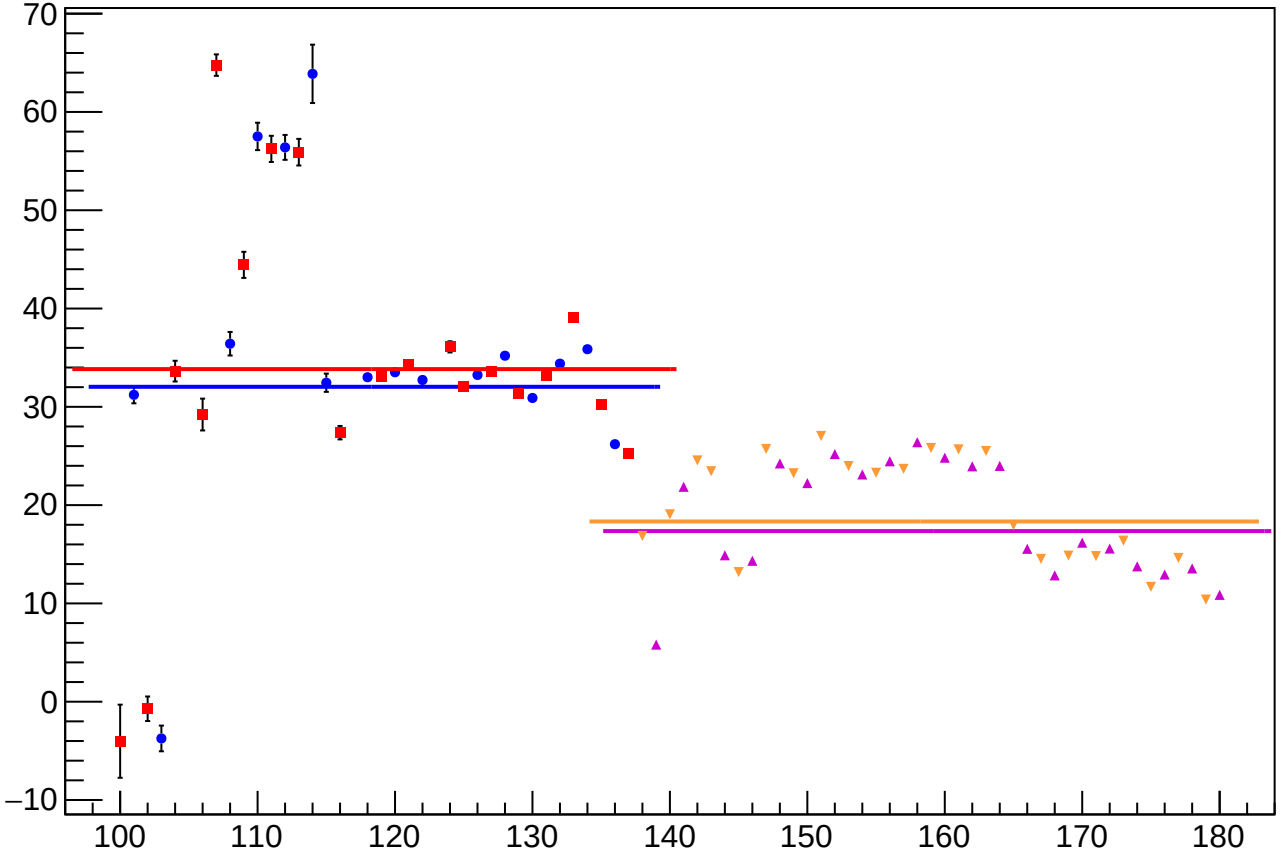
Left In: -5.456+/-0.030 χ^2/NDF:12649.6/20

+ sign -5.383+/-0.029 χ^2/NDF: 18808.0/37

All: -5.279+/-0.020 χ^2/NDF: 40455.0/77

- sign -5.179+/-0.028 χ^2/NDF: 21621.5/39

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 18.336+/-0.026 χ^2/NDF:40107.0/21

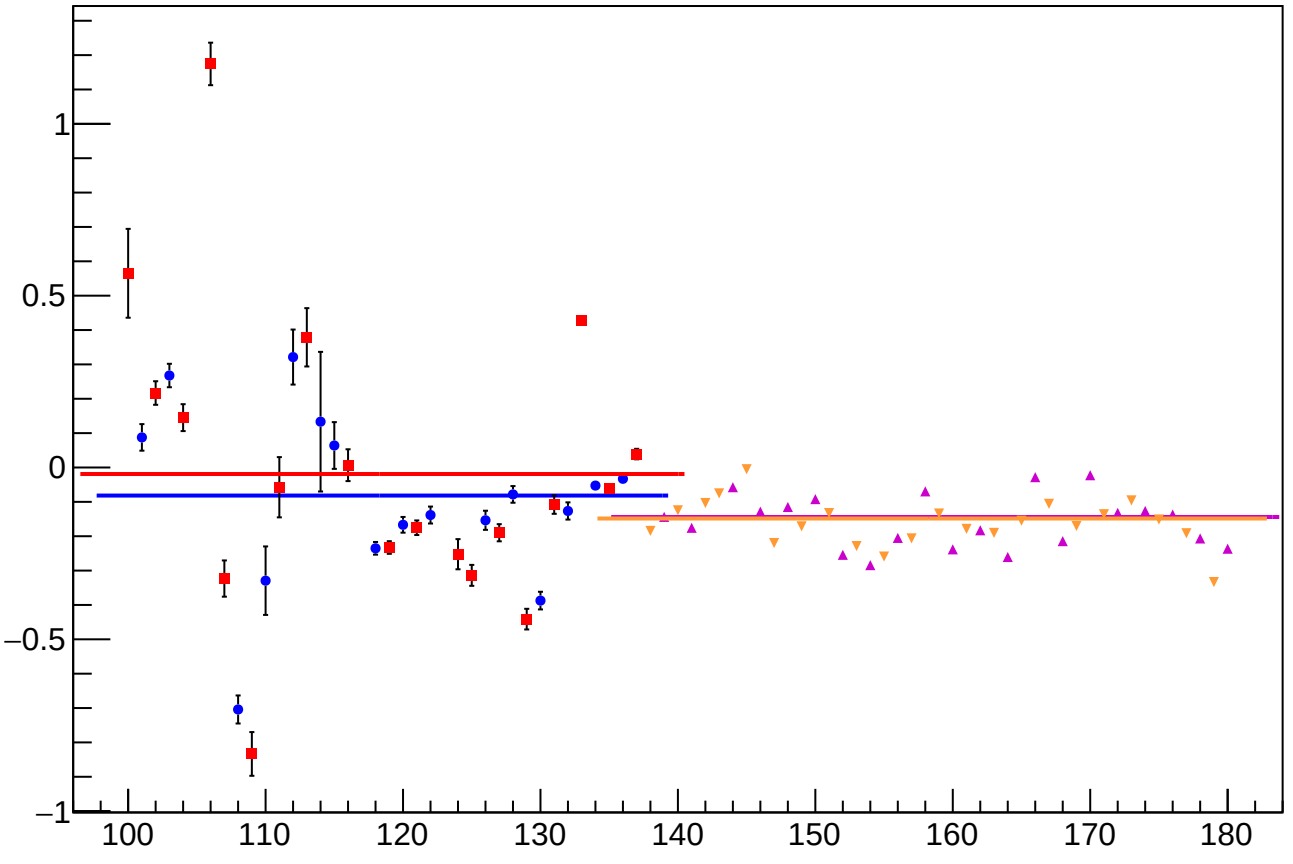
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 17.358+/-0.026 χ^2/NDF:36730.7/20

+ sign 19.626+/-0.025 χ^2/NDF: 69100.2/37

All: 19.245+/-0.018 χ^2/NDF: 147556.8/77

- sign 18.870+/-0.025 χ^2/NDF: 77993.2/39



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.148+/-0.001 χ^2/NDF:3593.9/21

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

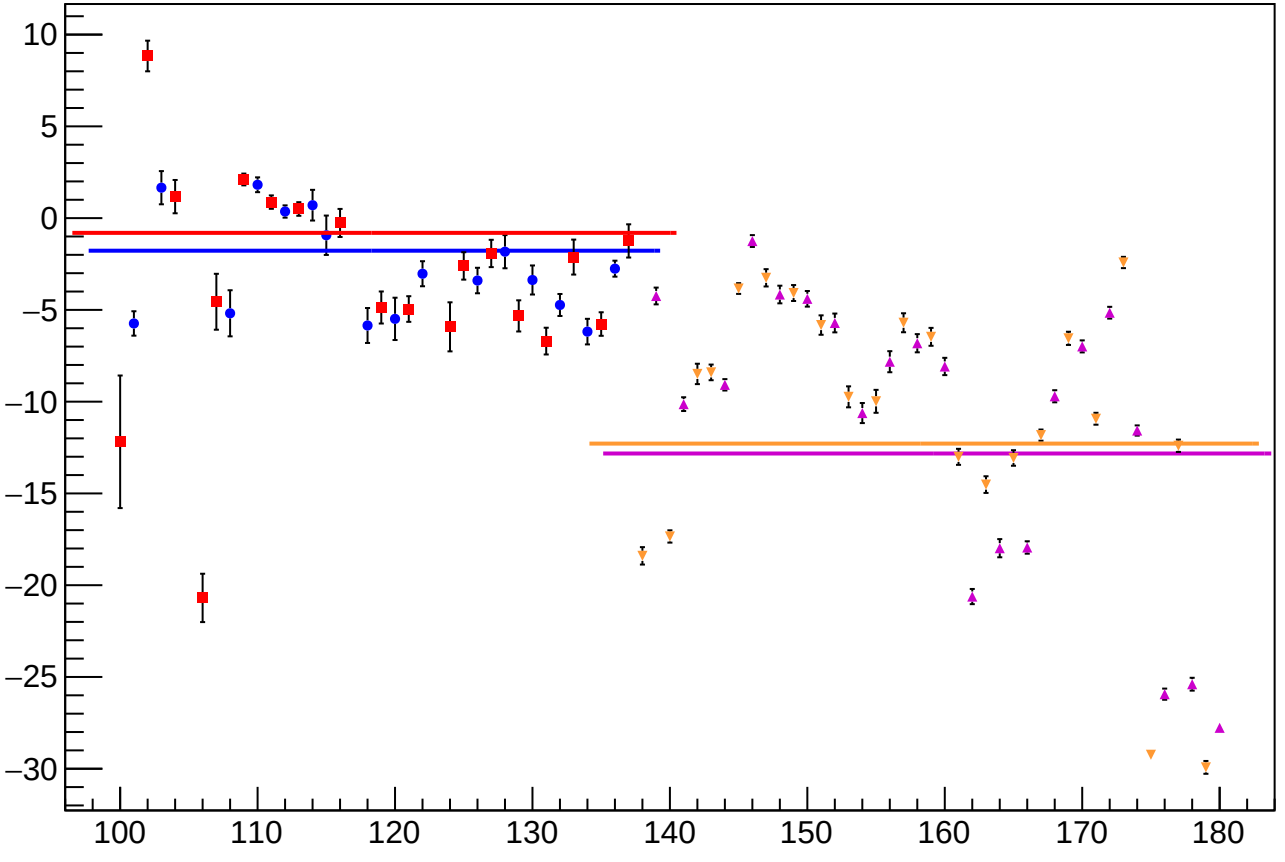
Left In: -0.144+/-0.001 χ^2/NDF:4104.4/20

+ sign -0.145+/-0.001 χ^2/NDF: 4463.7/37

All: -0.141+/-0.001 χ^2/NDF: 11410.3/77

- 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: -12.285+/-0.083 χ^2/NDF:10365.3/21

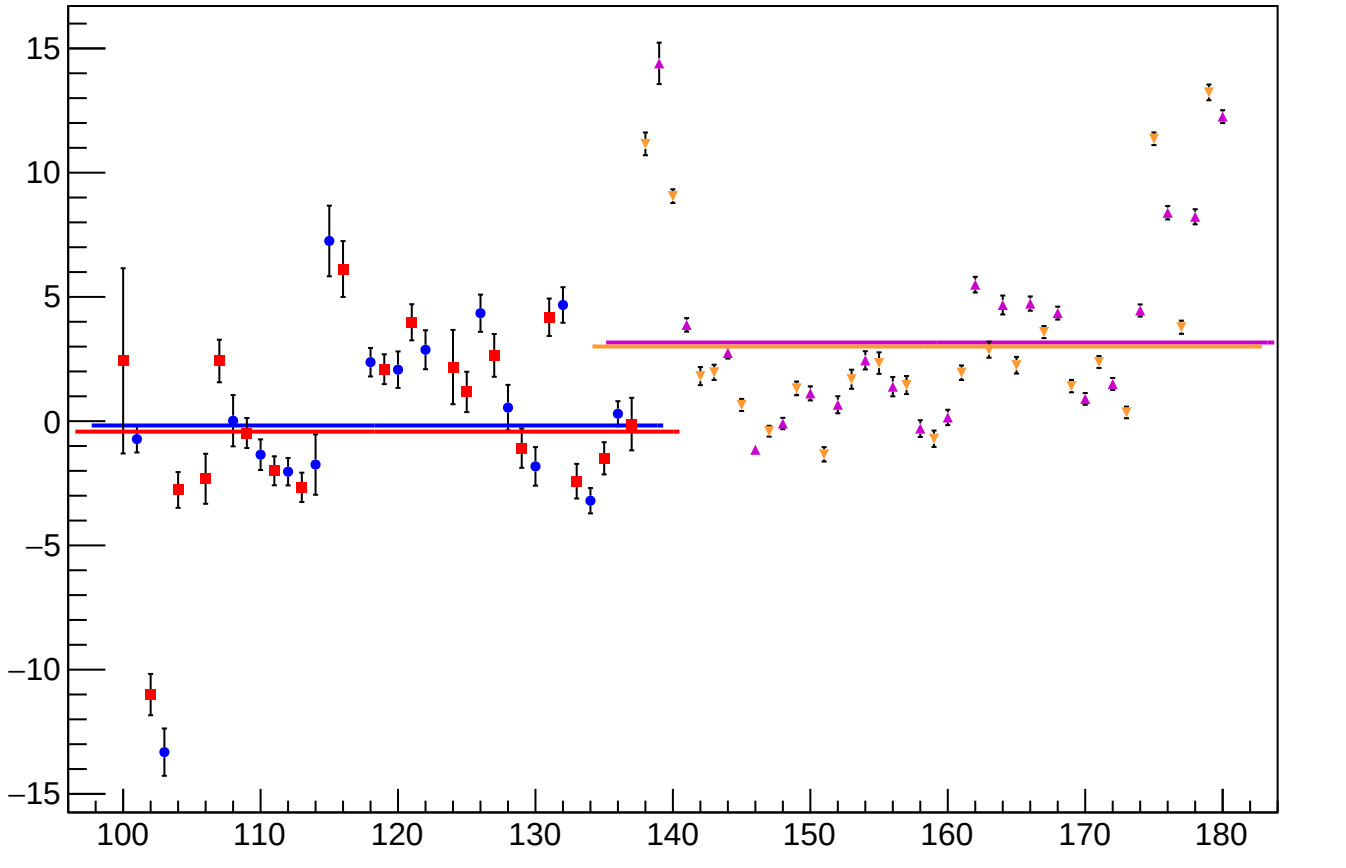
Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -12.824+/-0.081 χ^2/NDF:11026.2/20

+ sign -9.996+/-0.073 χ^2/NDF: 14162.7/37

All: -10.035+/-0.051 χ^2/NDF: 30988.3/77

- sign -10.072+/-0.071 χ^2/NDF: 16825.1/39



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 3.004+/-0.061 χ^2/NDF:3903.2/21

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

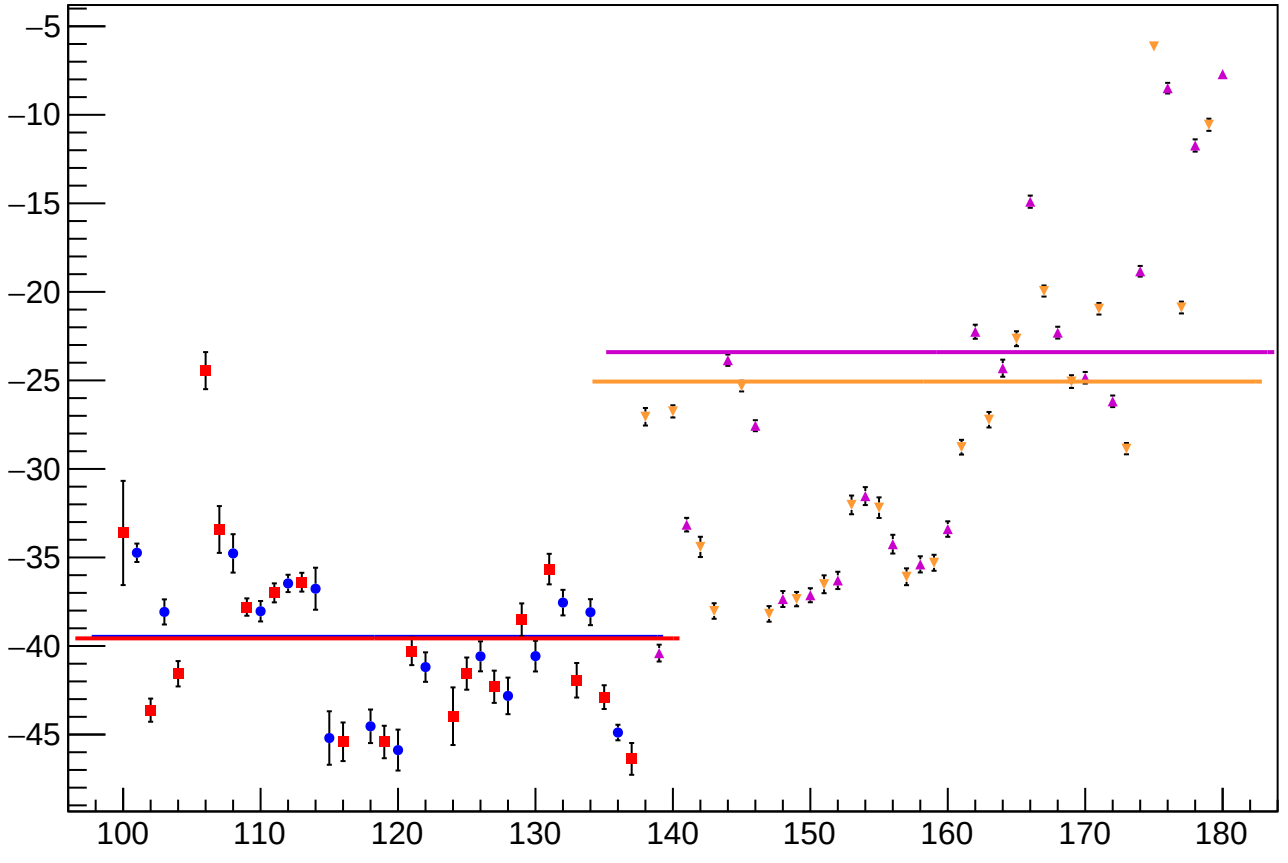
Left In: 3.166+/-0.061 χ^2/NDF:3392.4/20

+ sign 2.650+/-0.058 χ^2/NDF: 4606.2/37

All: 2.718+/-0.041 χ^2/NDF: 8733.9/77

- sign 2.785+/-0.058 χ^2/NDF: 4124.9/39

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -25.065+/-0.082 χ^2/NDF:12403.3/21

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

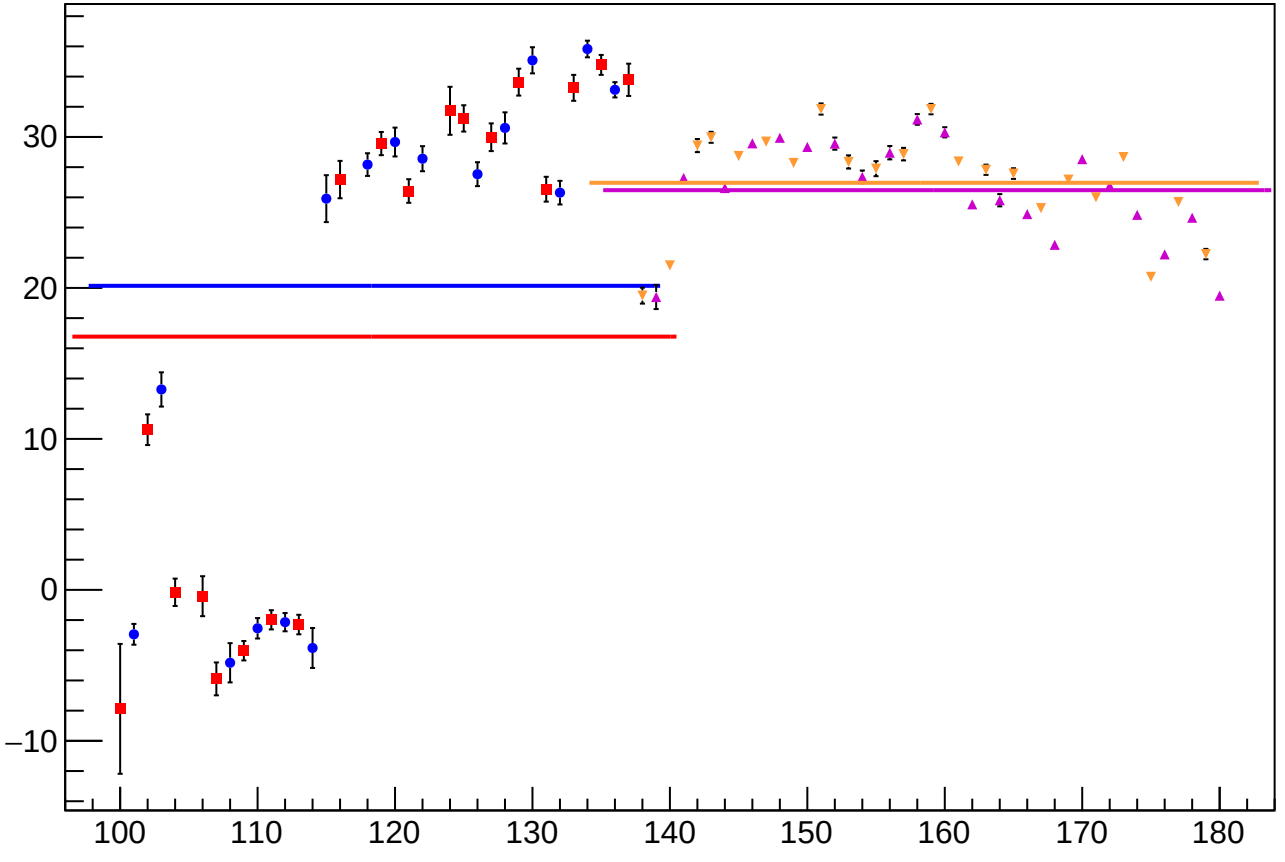
Left In: -23.403+/-0.080 χ^2/NDF:14843.0/20

+ sign -27.553+/-0.075 χ^2/NDF: 18108.5/37

All: -26.792+/-0.052 χ^2/NDF: 40375.8/77

- 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: 26.965+/-0.069 χ^2/NDF:1998.8/21

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

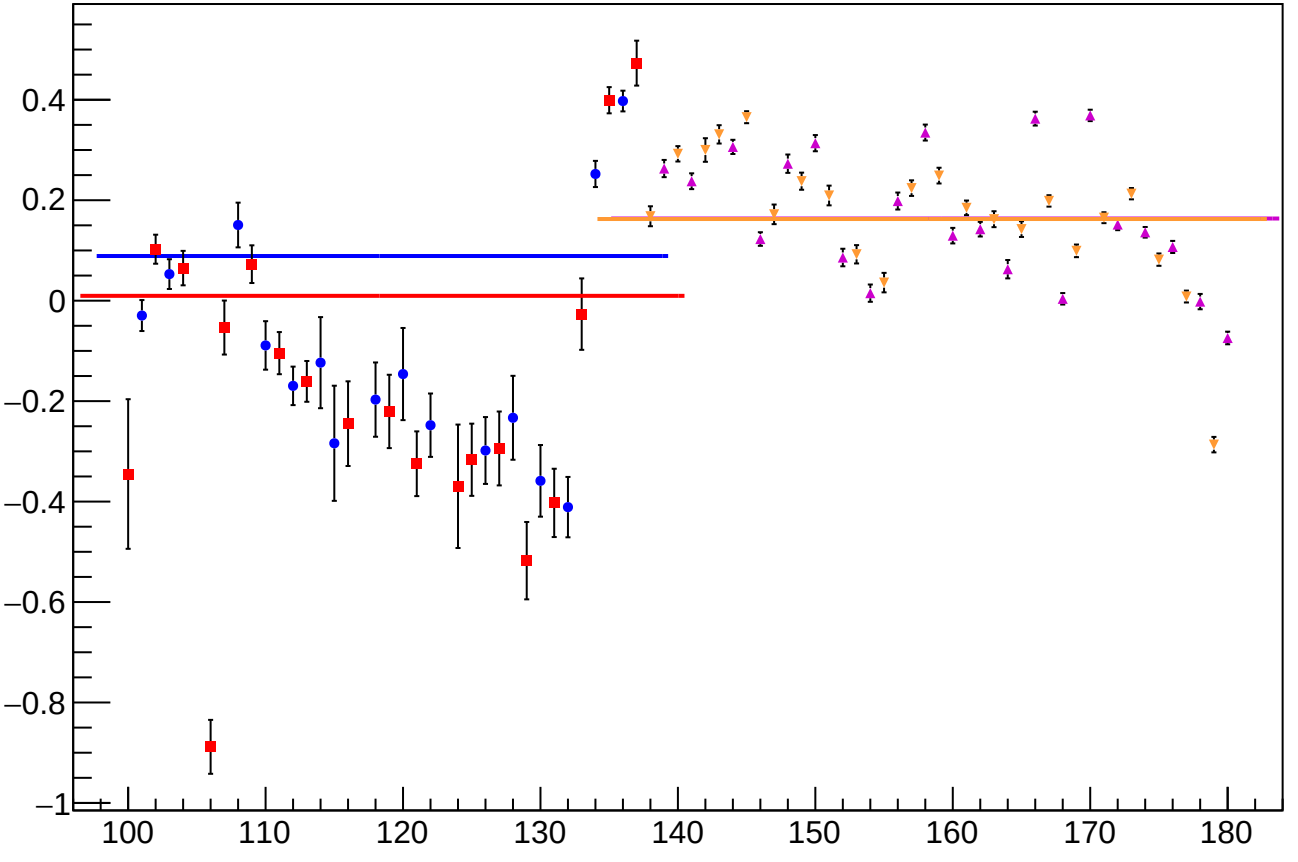
Left In: 26.474+/-0.069 χ^2/NDF:2028.4/20

\+ sign 26.195+/-0.065 χ^2/NDF: 9773.4/37

All: 25.818+/-0.046 χ^2/NDF: 20715.6/77

\- sign 25.445+/-0.065 χ^2/NDF: 10876.0/39

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.163+/-0.003 χ^2/NDF:1730.4/21

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

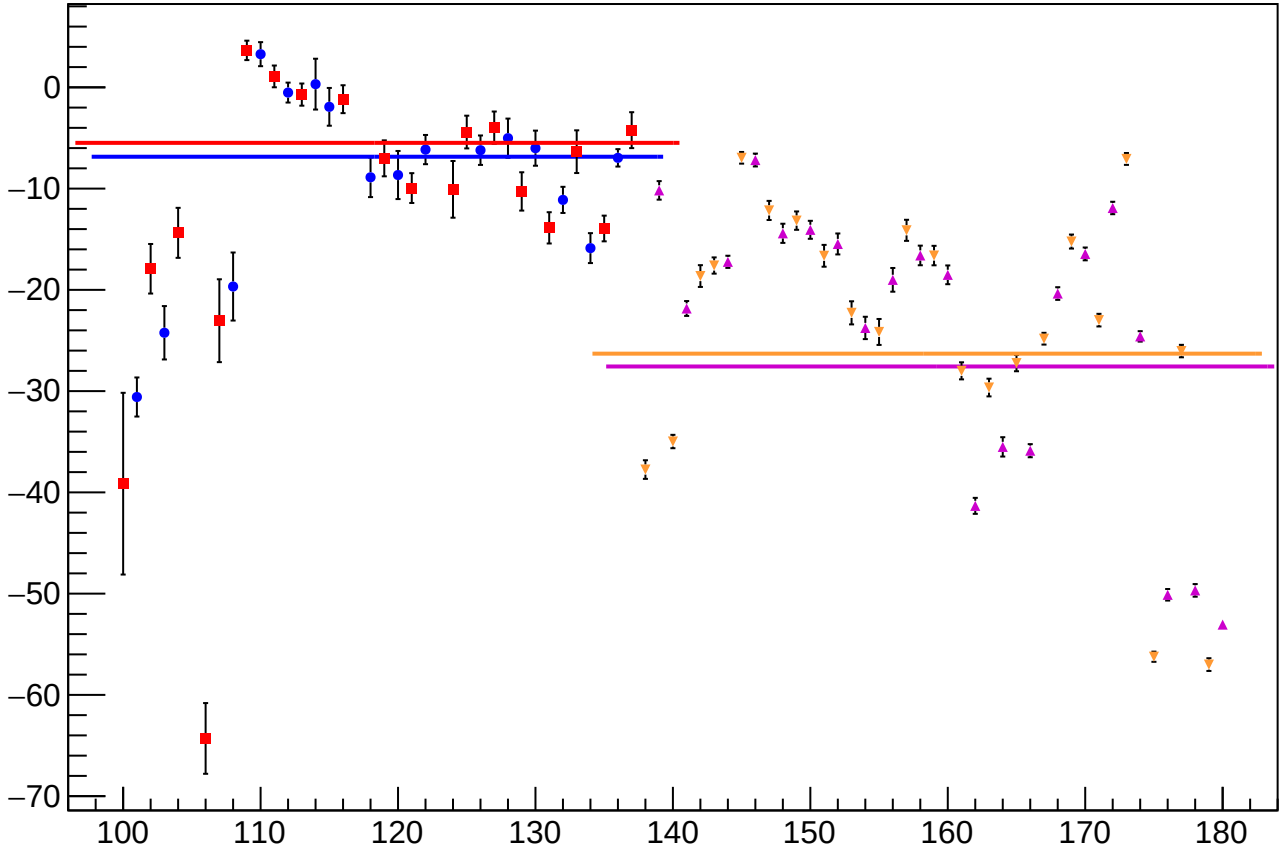
Left In: 0.164+/-0.003 χ^2/NDF:1775.1/20

+ sign 0.157+/-0.003 χ^2/NDF: 2340.3/37

All: 0.154+/-0.002 χ^2/NDF: 5132.2/77

- 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: -26.300+/-0.159 χ^2/NDF:9692.1/21

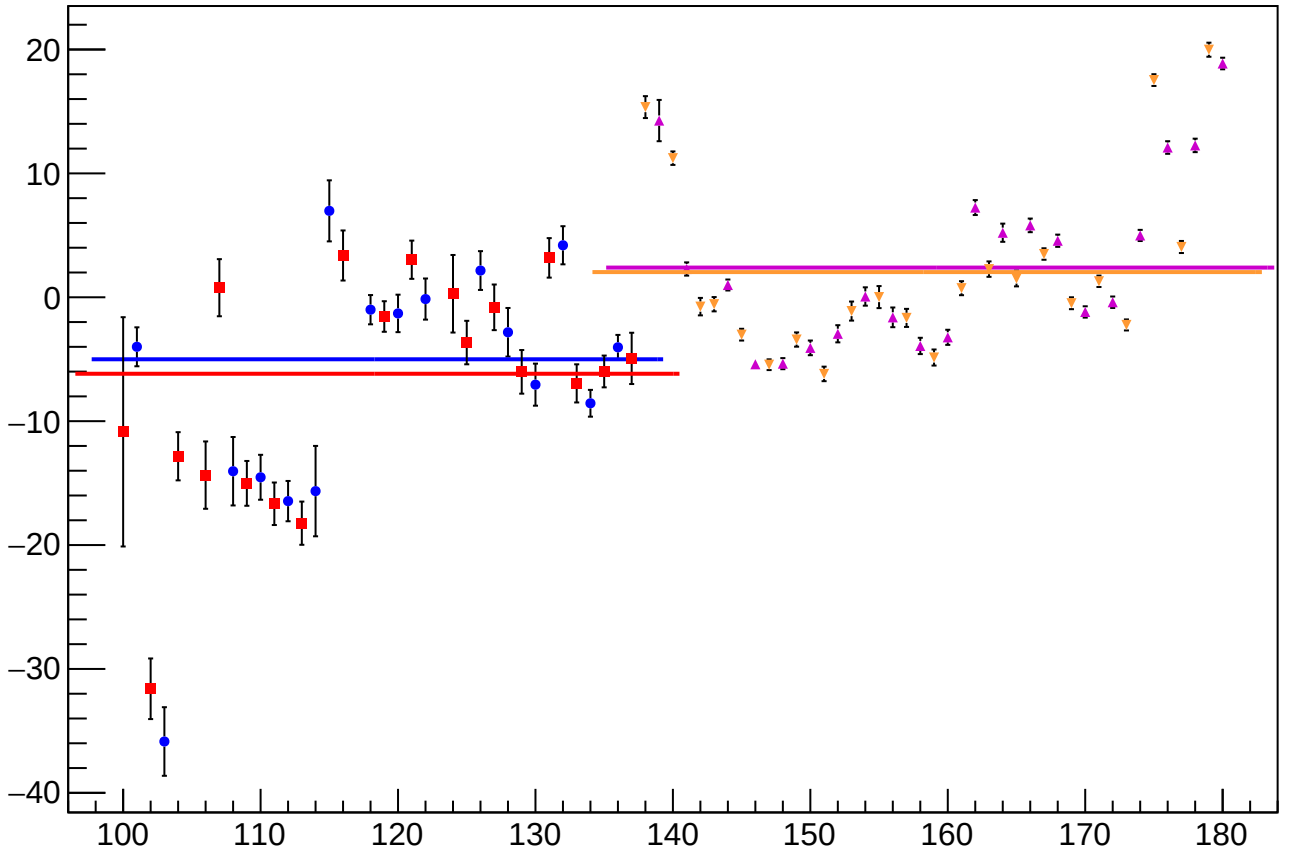
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -27.567+/-0.155 χ^2/NDF:9815.2/20

+ sign -23.334+/-0.147 χ^2/NDF: 12354.0/37

All: -23.813+/-0.102 χ^2/NDF: 25843.2/77

- sign -24.267+/-0.143 χ^2/NDF: 13468.4/39



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 2.034+/-0.119 χ^2/NDF:3621.8/21

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

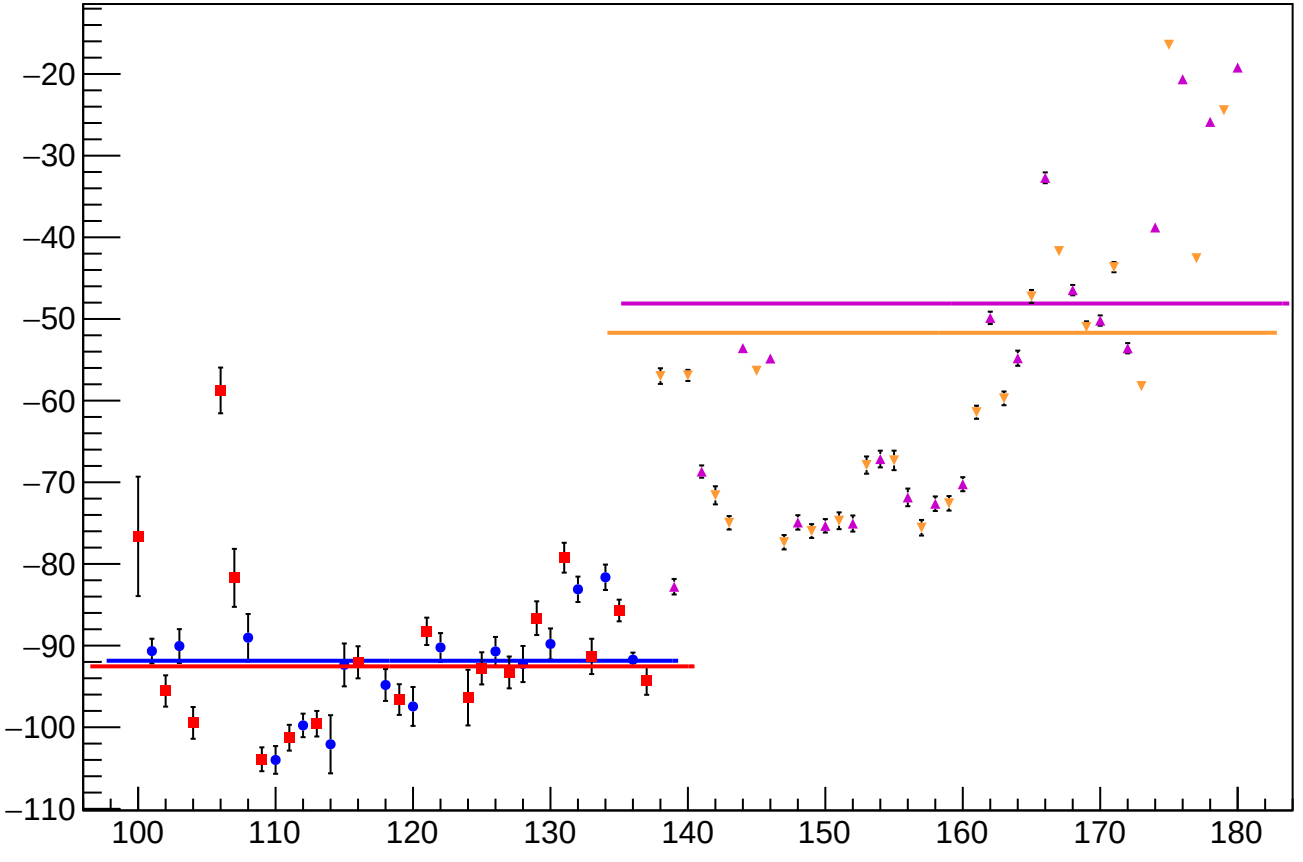
Left In: 2.397+/-0.117 χ^2/NDF:3382.6/20

+ sign 1.453+/-0.114 χ^2/NDF: 4254.4/37

All: 1.611+/-0.080 χ^2/NDF: 8402.2/77

- 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: -51.691+/-0.158 χ^2/NDF:12913.3/21

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

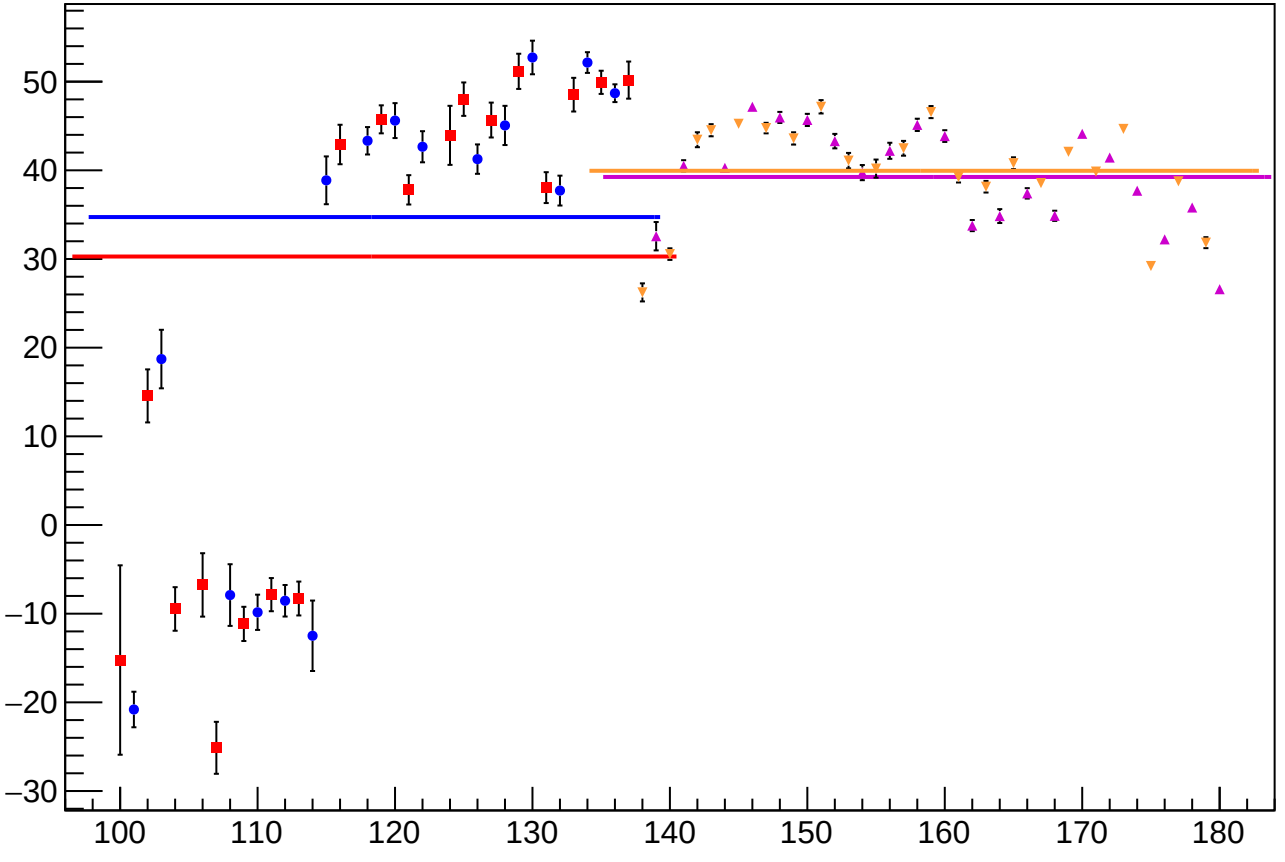
Left In: -48.107+/-0.154 χ^2/NDF:15458.1/20

+ sign -56.608+/-0.148 χ^2/NDF: 20964.0/37

All: -54.745+/-0.104 χ^2/NDF: 46234.9/77

- 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: 39.948+/-0.134 χ^2/NDF:1608.6/21

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

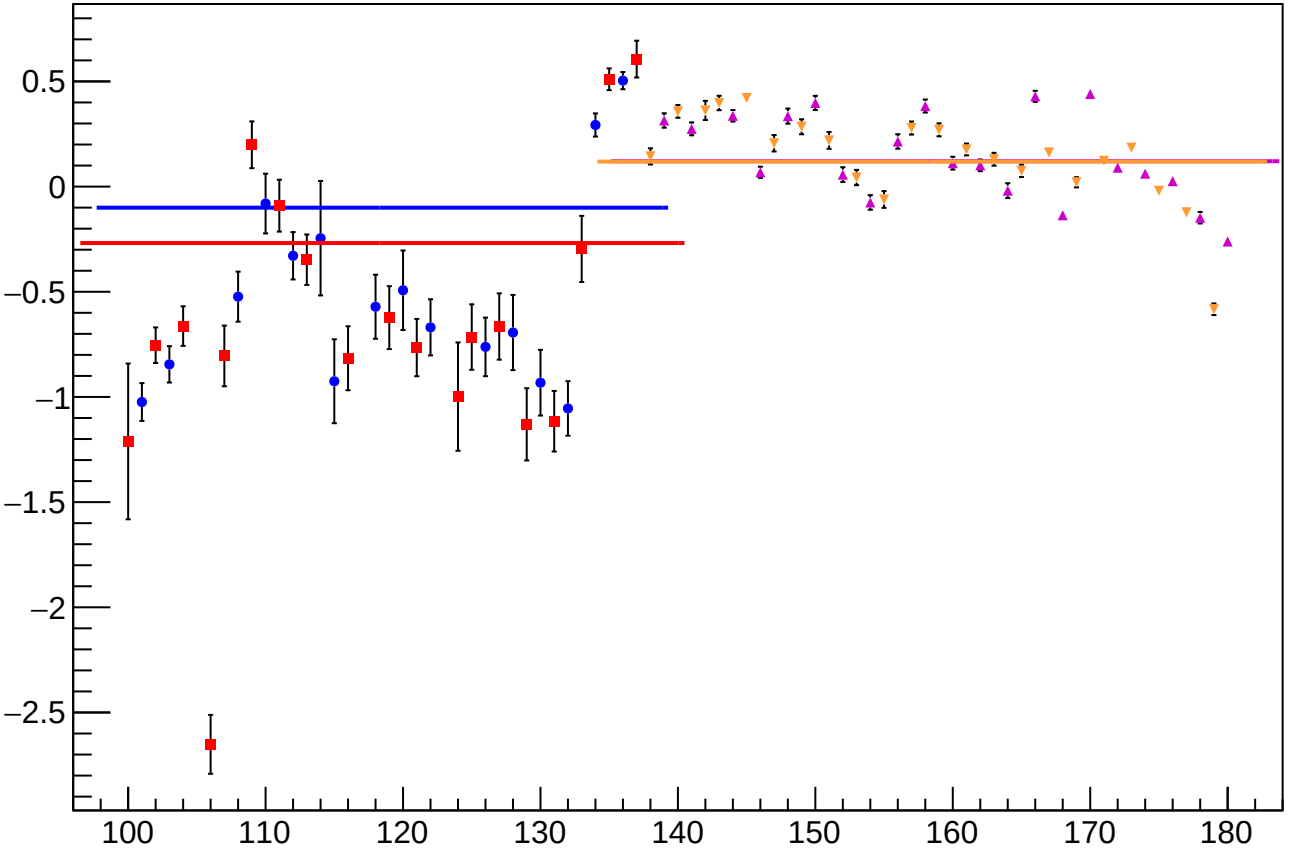
Left In: 39.251+/-0.132 χ^2/NDF:1824.7/20

\+ sign 39.509+/-0.128 χ^2/NDF: 4545.5/37

All: 39.044+/-0.090 χ^2/NDF: 9649.1/77

\- sign 38.586+/-0.127 χ^2/NDF: 5077.4/39

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.119+/-0.006 χ^2/NDF:1269.4/21

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

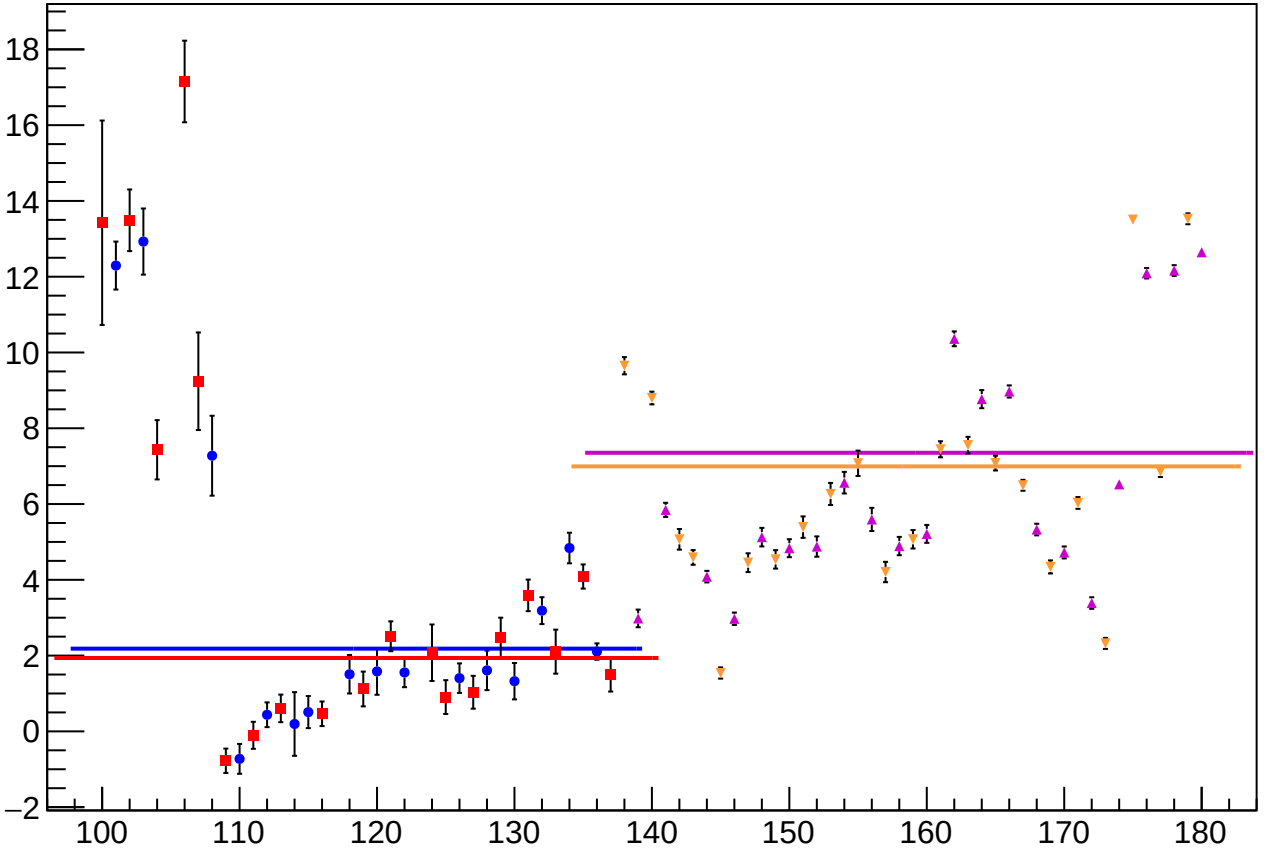
Left In: 0.121+/-0.006 χ^2/NDF:1249.9/20

+ sign 0.106+/-0.006 χ^2/NDF: 1979.1/37

All: 0.104+/-0.004 χ^2/NDF: 4259.2/77

- 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: 6.994+/-0.039 χ^2/NDF:8504.7/21

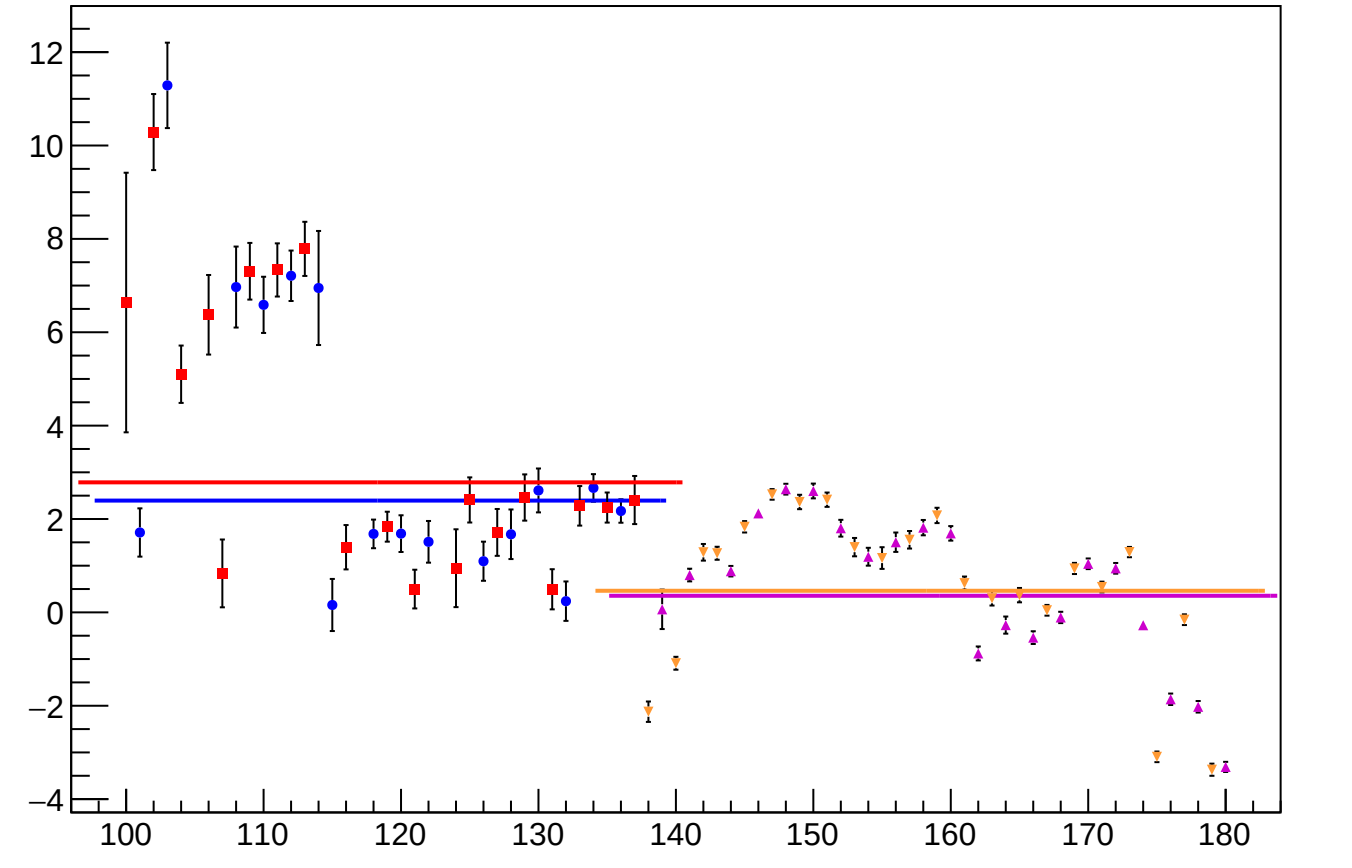
Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 7.353+/-0.038 χ^2/NDF:8170.3/20

+ sign 6.398+/-0.037 χ^2/NDF: 10943.0/37

All: 6.567+/-0.026 χ^2/NDF: 22203.1/77

- 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: 0.463+/-0.030 χ^2/NDF:3212.3/21

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

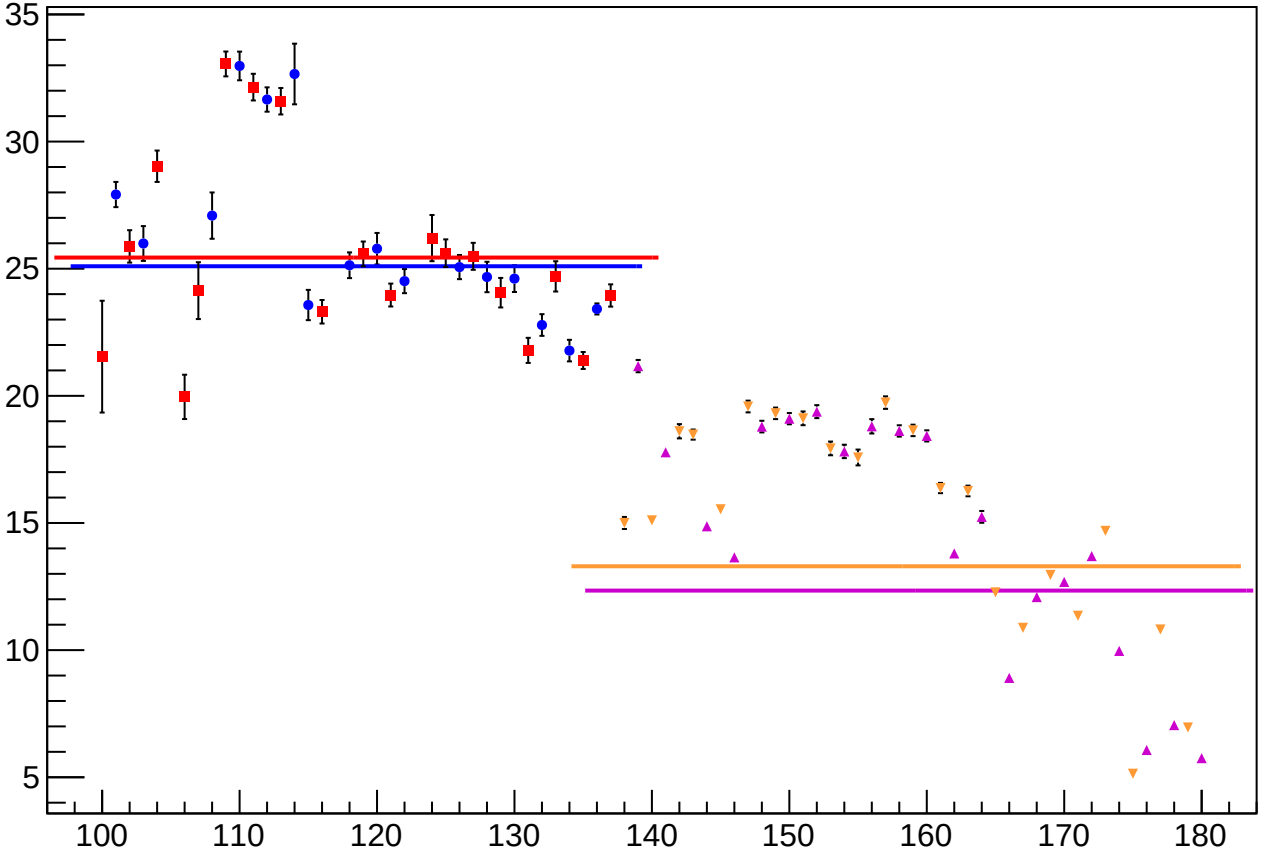
Left In: 0.356+/-0.029 χ^2/NDF:3306.3/20

+ sign 0.597+/-0.029 χ^2/NDF: 3842.0/37

All: 0.548+/-0.020 χ^2/NDF: 7978.1/77

- 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: 13.297+/-0.039 χ^2/NDF:12854.4/21

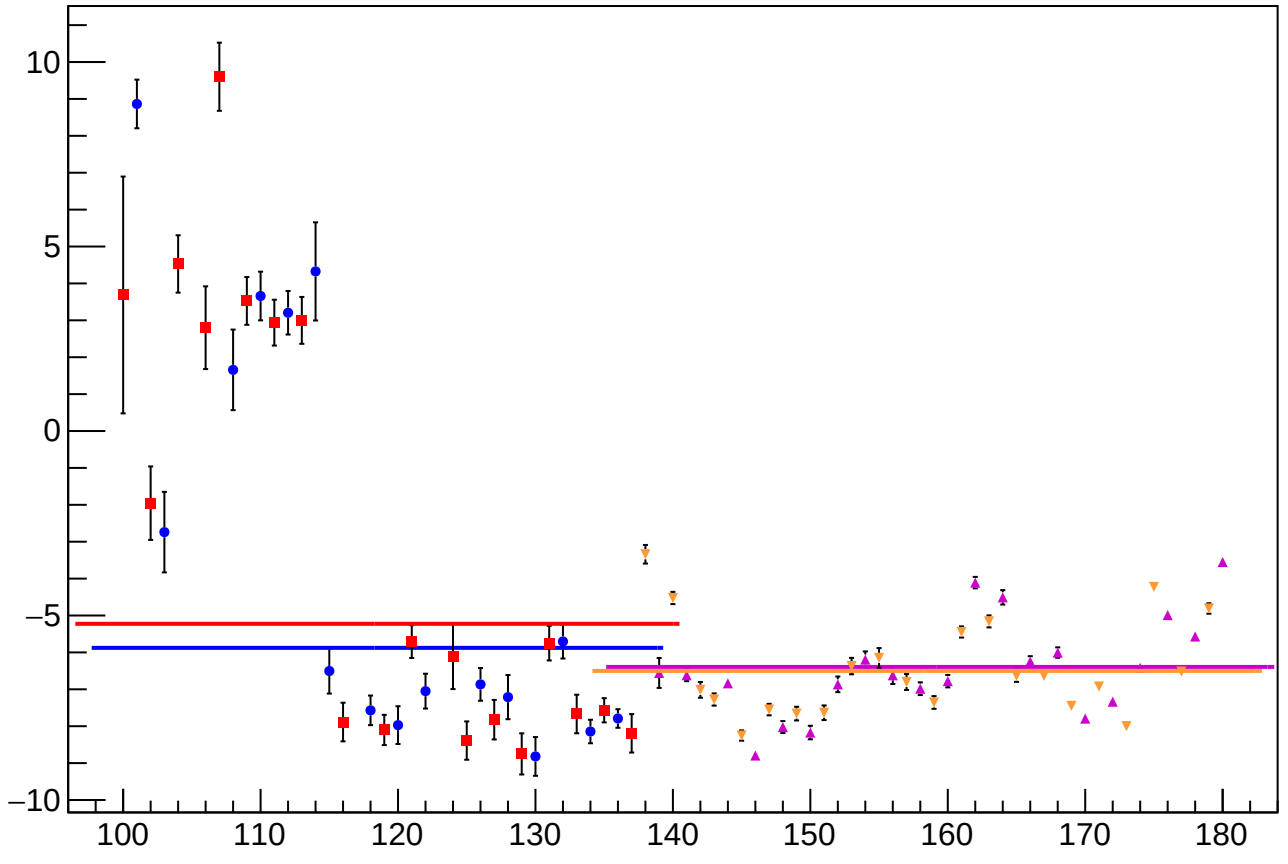
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 12.341+/-0.038 χ^2/NDF:15479.2/20

+ sign 14.482+/-0.037 χ^2/NDF: 22542.8/37

All: 13.960+/-0.026 χ^2/NDF: 49477.4/77

- 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: -6.501+/-0.033 χ^2/NDF:1474.7/21

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

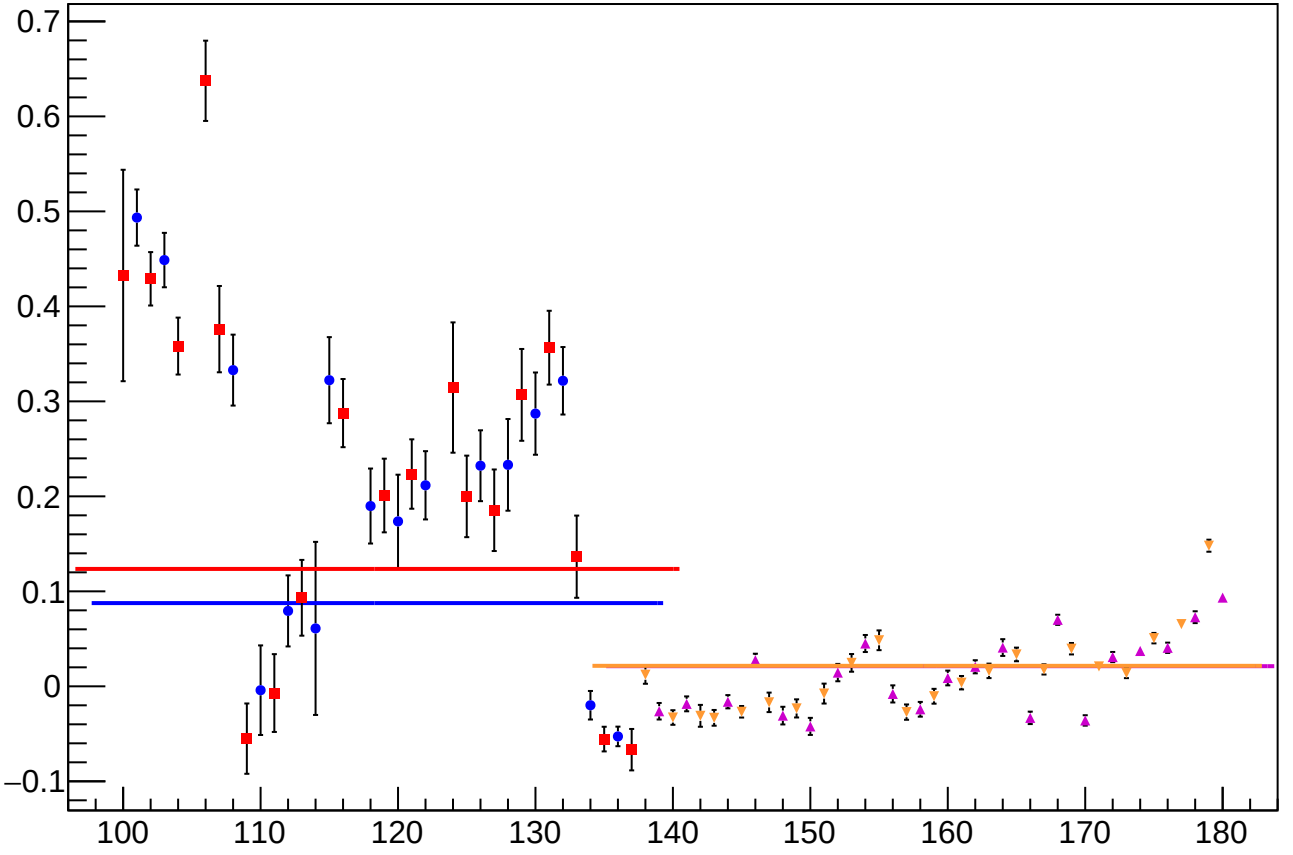
Left In: -6.393+/-0.033 χ^2/NDF:1901.7/20

+ sign -6.457+/-0.032 χ^2/NDF: 2751.0/37

All: -6.389+/-0.023 χ^2/NDF: 6030.1/77

- 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: 0.022+/-0.001 χ^2/NDF:803.1/21

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

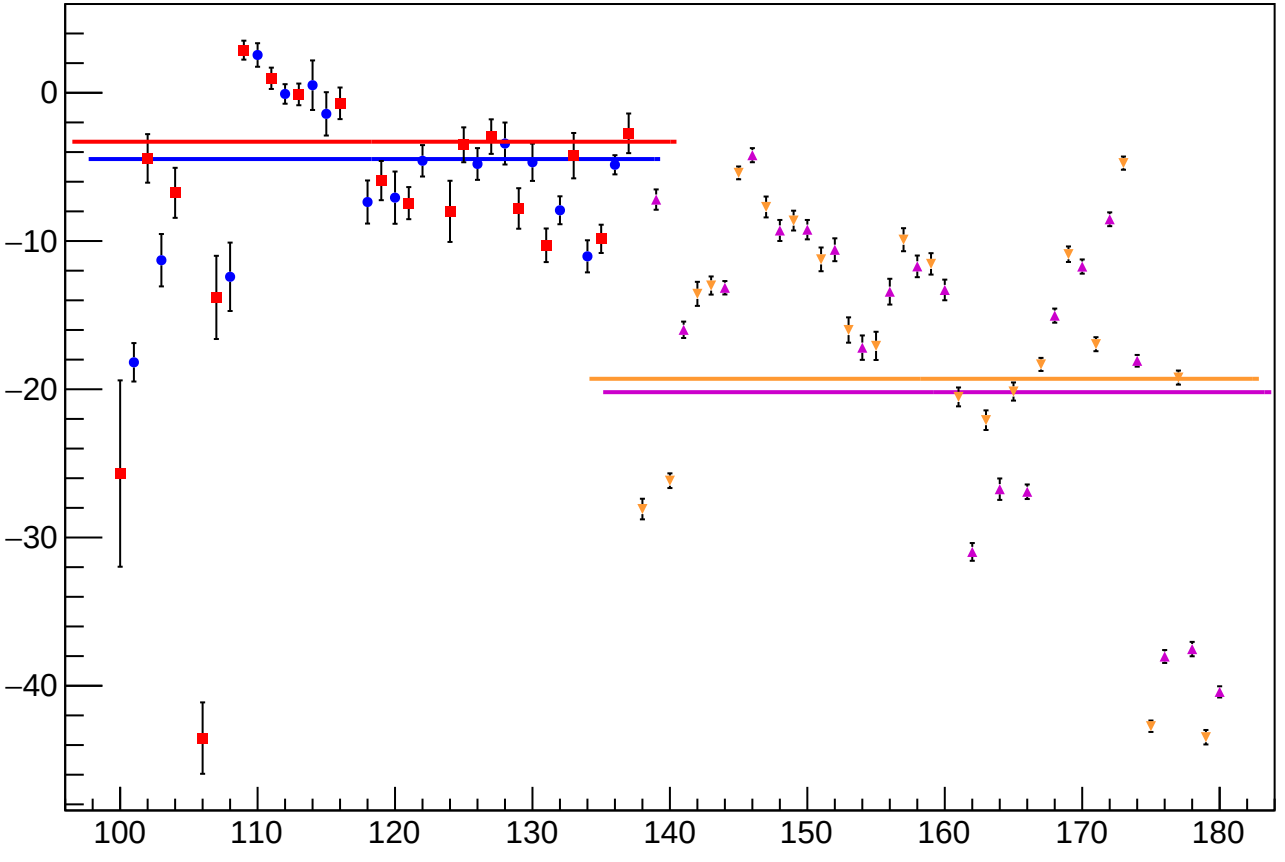
Left In: 0.021+/-0.001 χ^2/NDF:768.3/20

\+ sign 0.025+/-0.001 χ^2/NDF: 1666.6/37

All: 0.025+/-0.001 χ^2/NDF: 3384.8/77

\- 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: -19.293+/-0.121 χ^2/NDF:9970.4/21

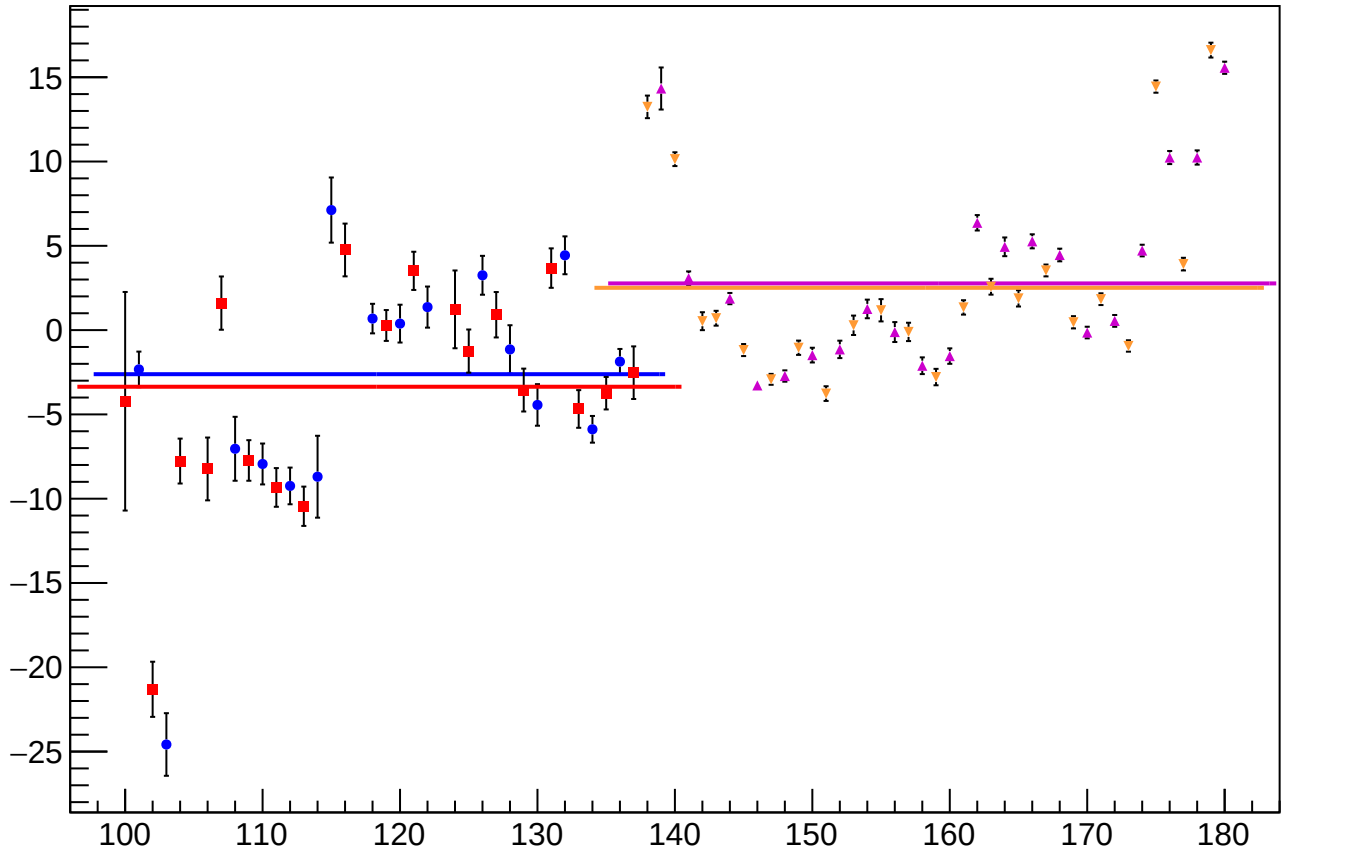
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -20.196+/-0.117 χ^2/NDF:10271.1/20

+ sign -16.799+/-0.110 χ^2/NDF: 12838.4/37

All: -17.083+/-0.077 χ^2/NDF: 27196.0/77

- sign -17.352+/-0.107 χ^2/NDF: 14344.7/39



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 2.509+/-0.090 χ^2/NDF:3729.4/21

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

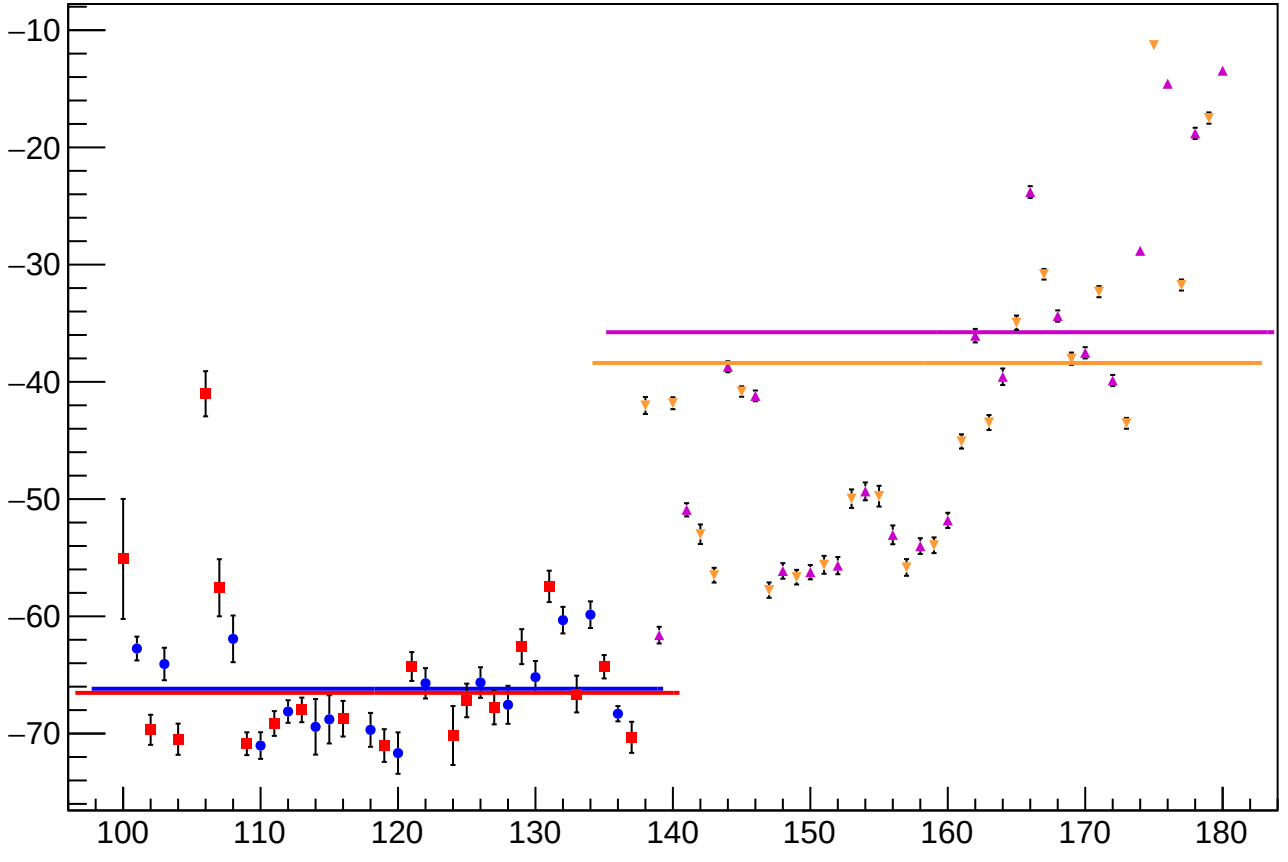
Left In: 2.770+/-0.089 χ^2/NDF:3389.4/20

+ sign 2.050+/-0.085 χ^2/NDF: 4374.1/37

All: 2.161+/-0.060 χ^2/NDF: 8513.1/77

- 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: -38.388+/-0.120 χ^2/NDF:12796.3/21

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

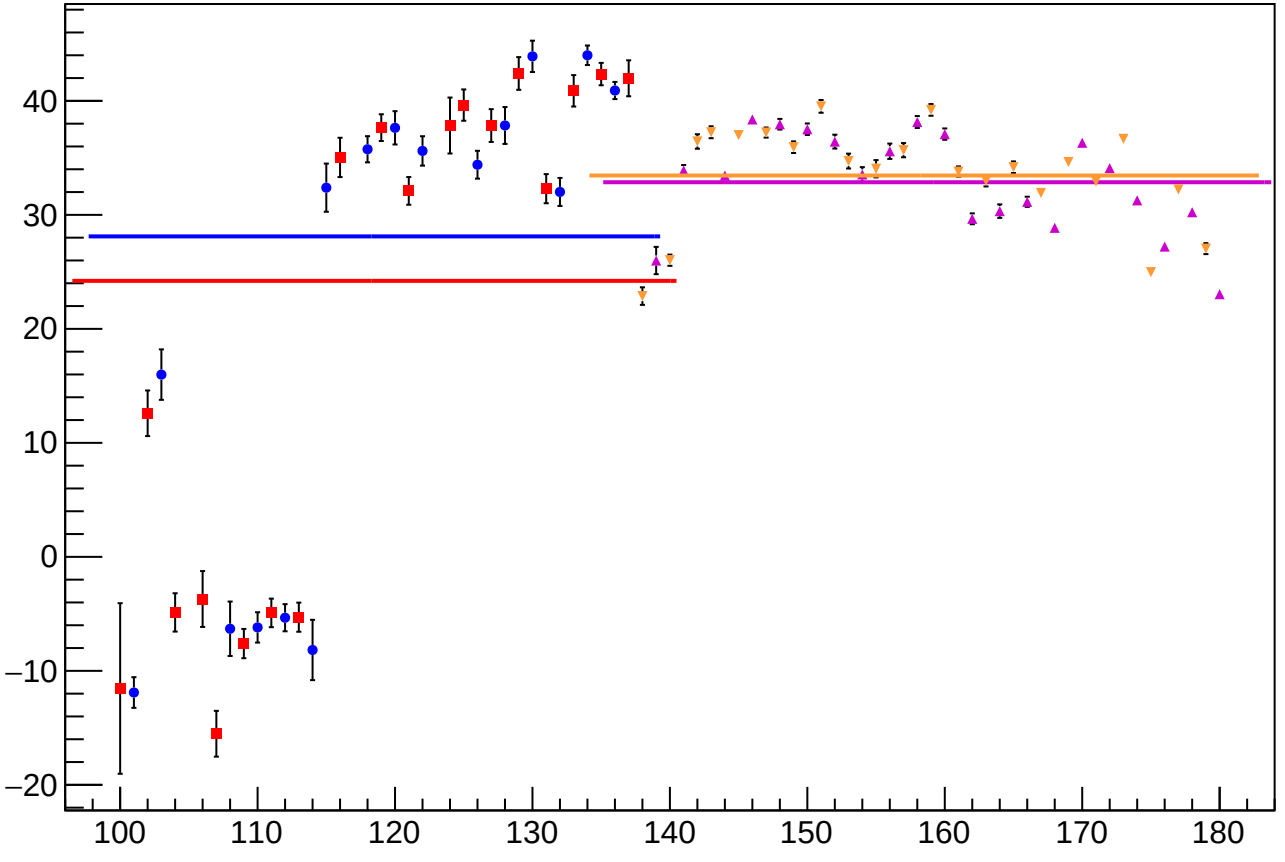
Left In: -35.765+/-0.117 χ^2/NDF:15307.7/20

+ sign -42.125+/-0.112 χ^2/NDF: 20142.1/37

All: -40.800+/-0.078 χ^2/NDF: 44553.2/77

- sign -39.529+/-0.109 χ^2/NDF: 24134.9/39

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.454+/-0.101 χ^2/NDF:1712.7/21

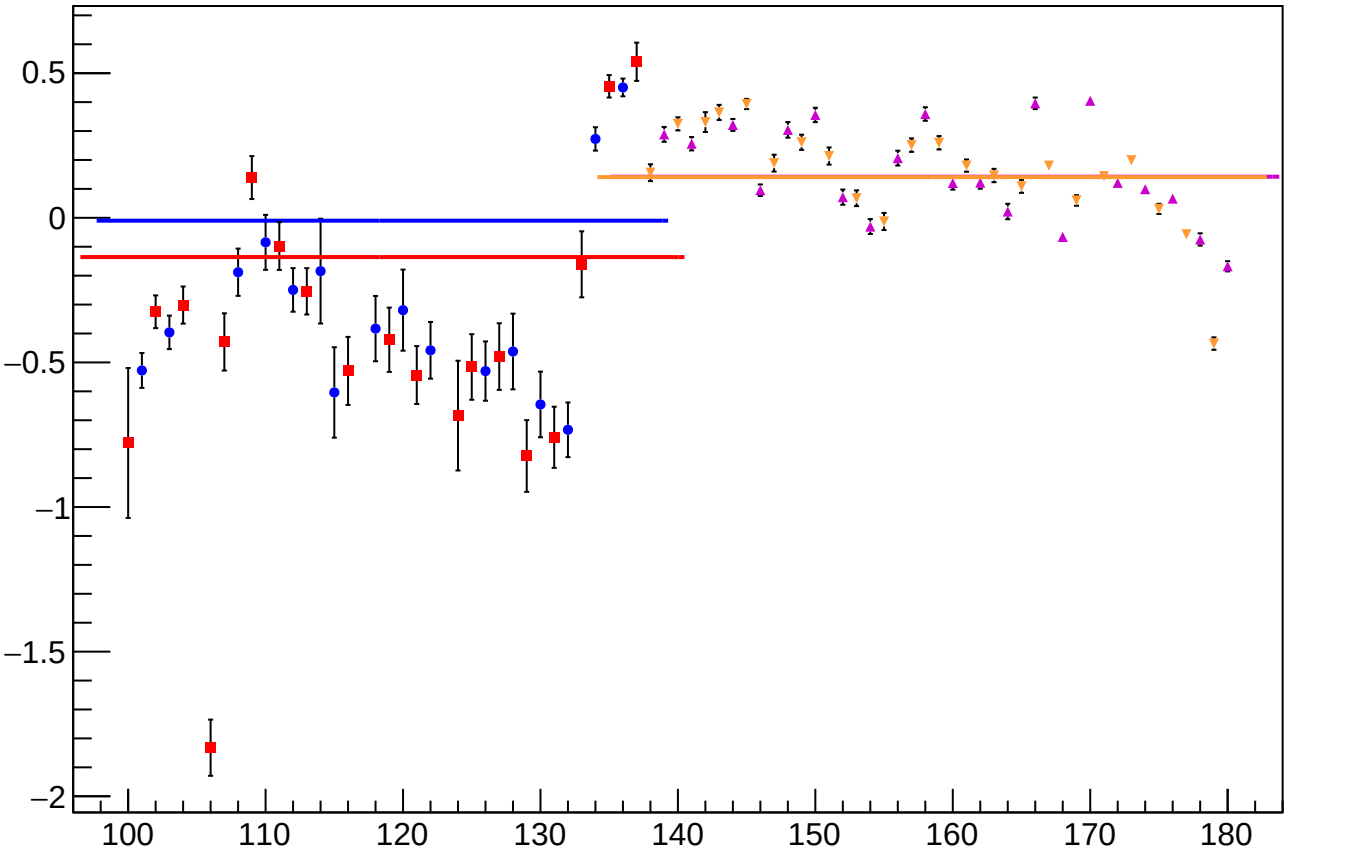
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 32.861+/-0.100 χ^2/NDF:1861.7/20

\+ sign 32.967+/-0.097 χ^2/NDF: 5693.7/37

All: 32.558+/-0.068 χ^2/NDF: 12042.7/77

\- 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: 0.141+/-0.005 χ^2/NDF:1427.8/21

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

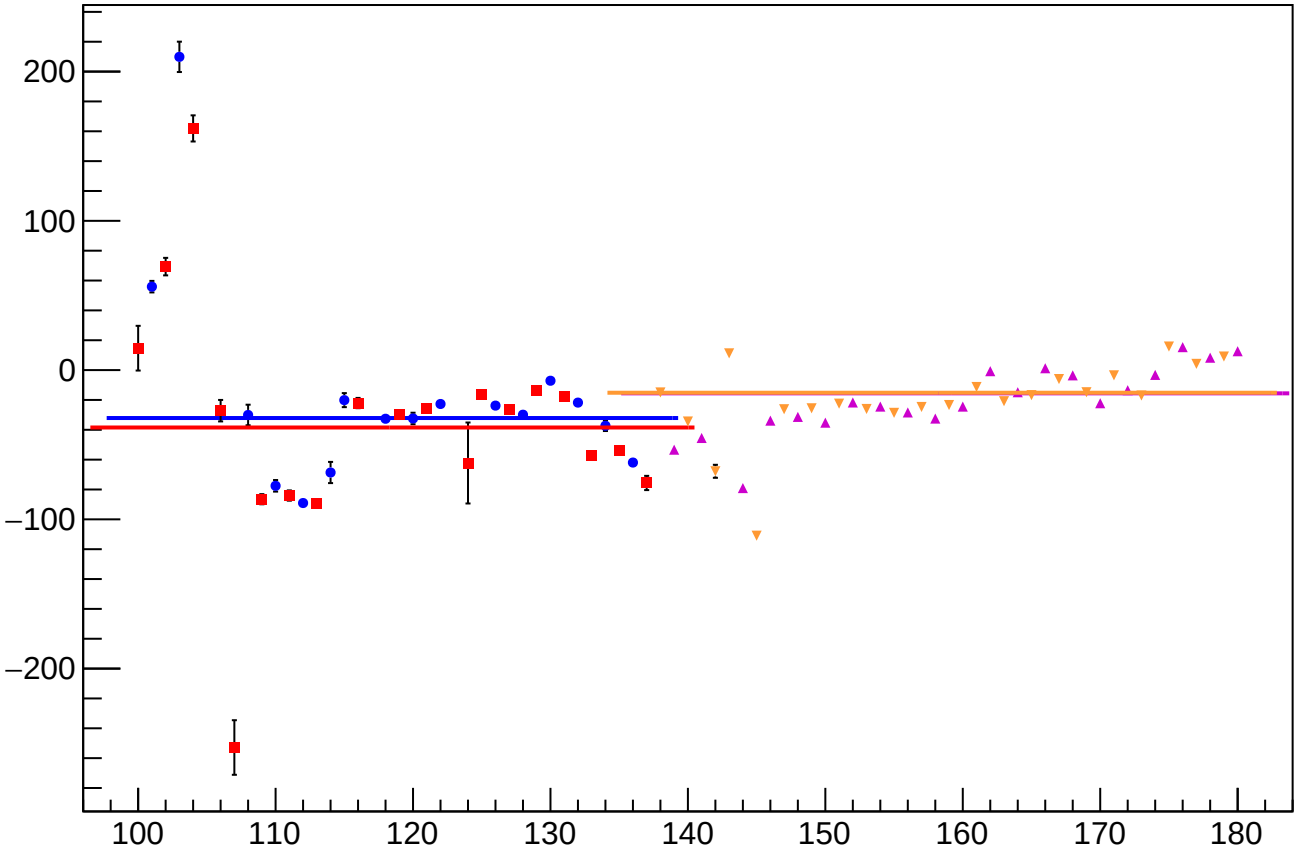
Left In: 0.142+/-0.004 χ^2/NDF:1424.6/20

+ sign 0.131+/-0.004 χ^2/NDF: 2085.9/37

All: 0.129+/-0.003 χ^2/NDF: 4535.6/77

- 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: -15.172+/-0.572 χ^2/NDF:1763.0/21

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

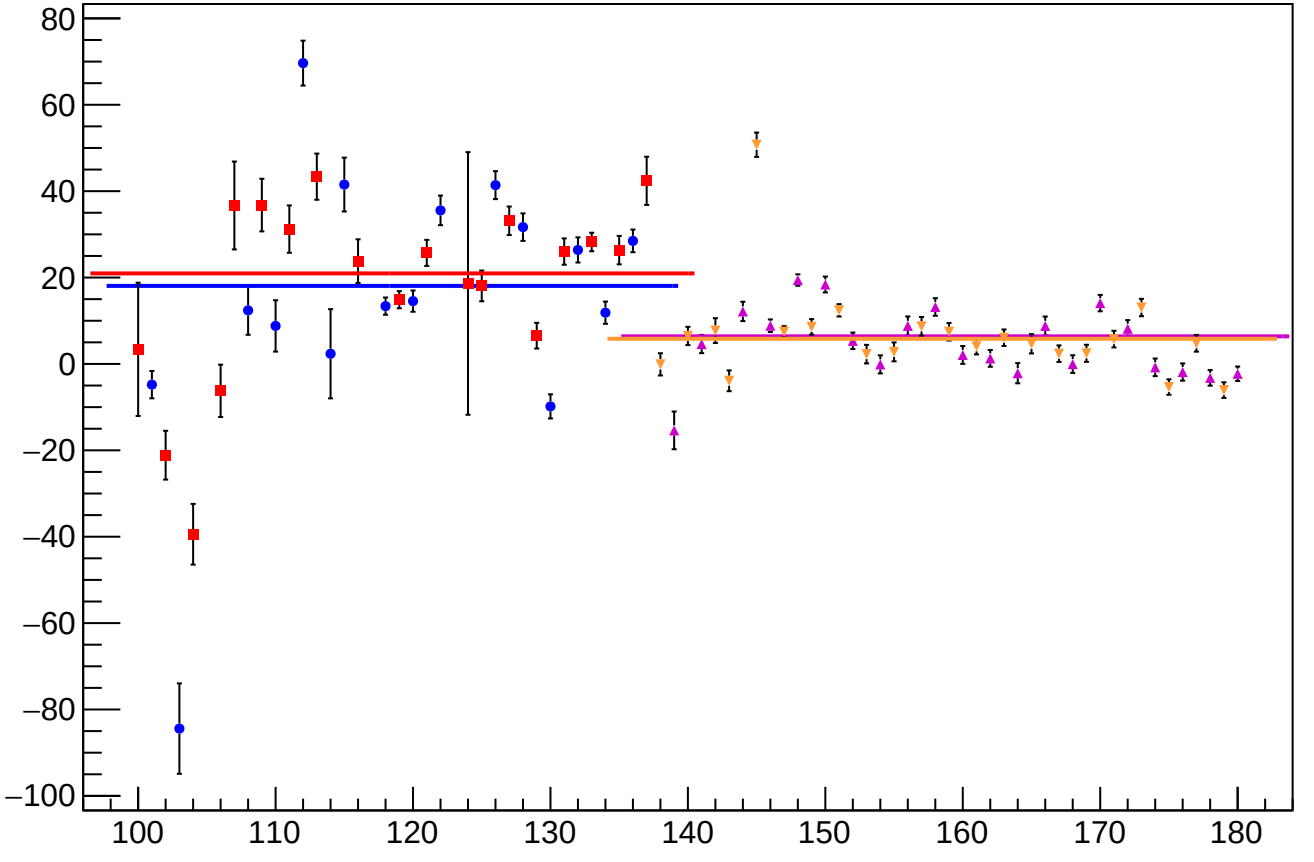
Left In: -15.582+/-0.560 χ^2/NDF:1724.8/20

+ sign -20.512+/-0.473 χ^2/NDF: 3917.4/37

All: -21.437+/-0.333 χ^2/NDF: 8115.6/77

- 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: 5.830+/-0.417 χ^2/NDF:411.6/21

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

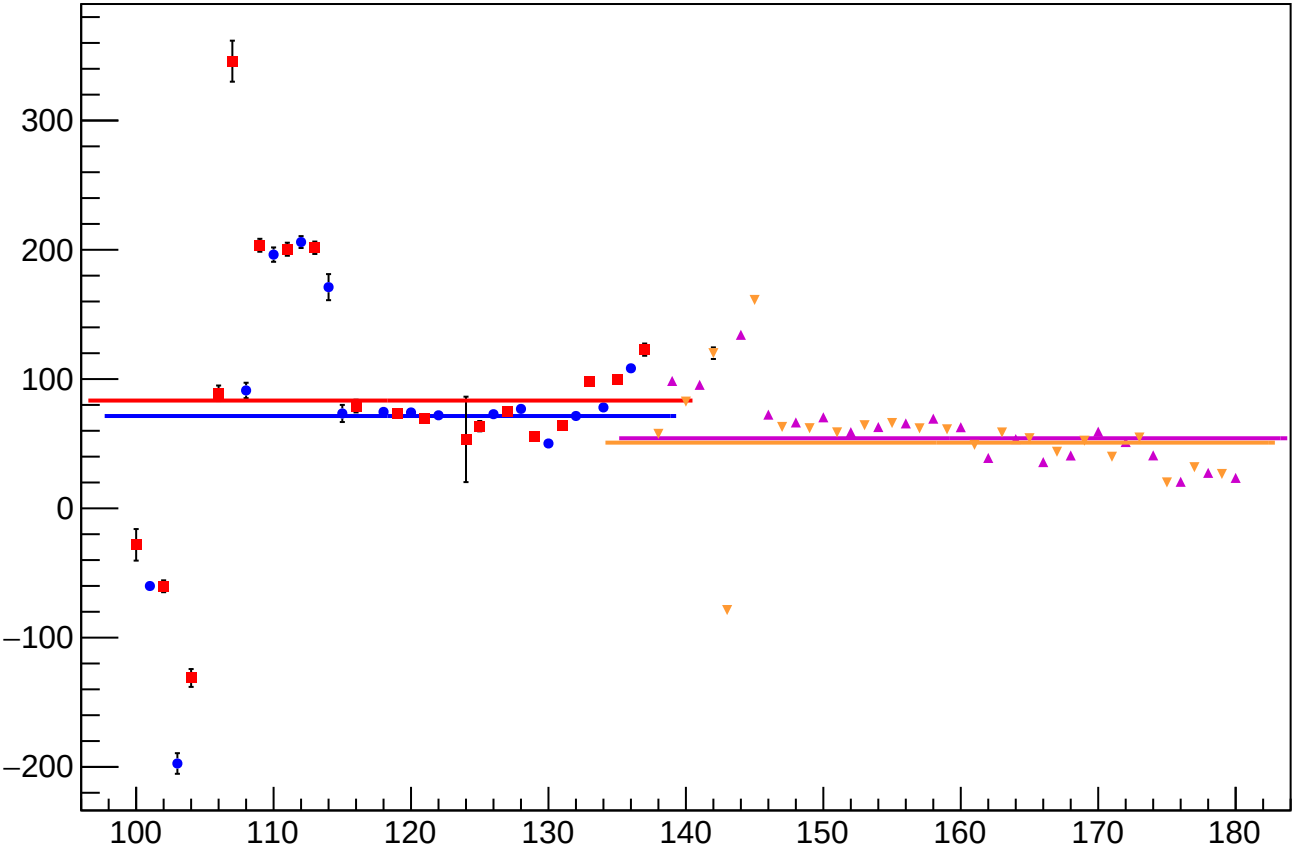
Left In: 6.389+/-0.423 χ^2/NDF:335.4/20

+ sign 8.330+/-0.372 χ^2/NDF: 1087.3/37

All: 8.746+/-0.266 χ^2/NDF: 1915.4/77

- 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: 50.833+/-0.562 χ^2/NDF:3645.8/21

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

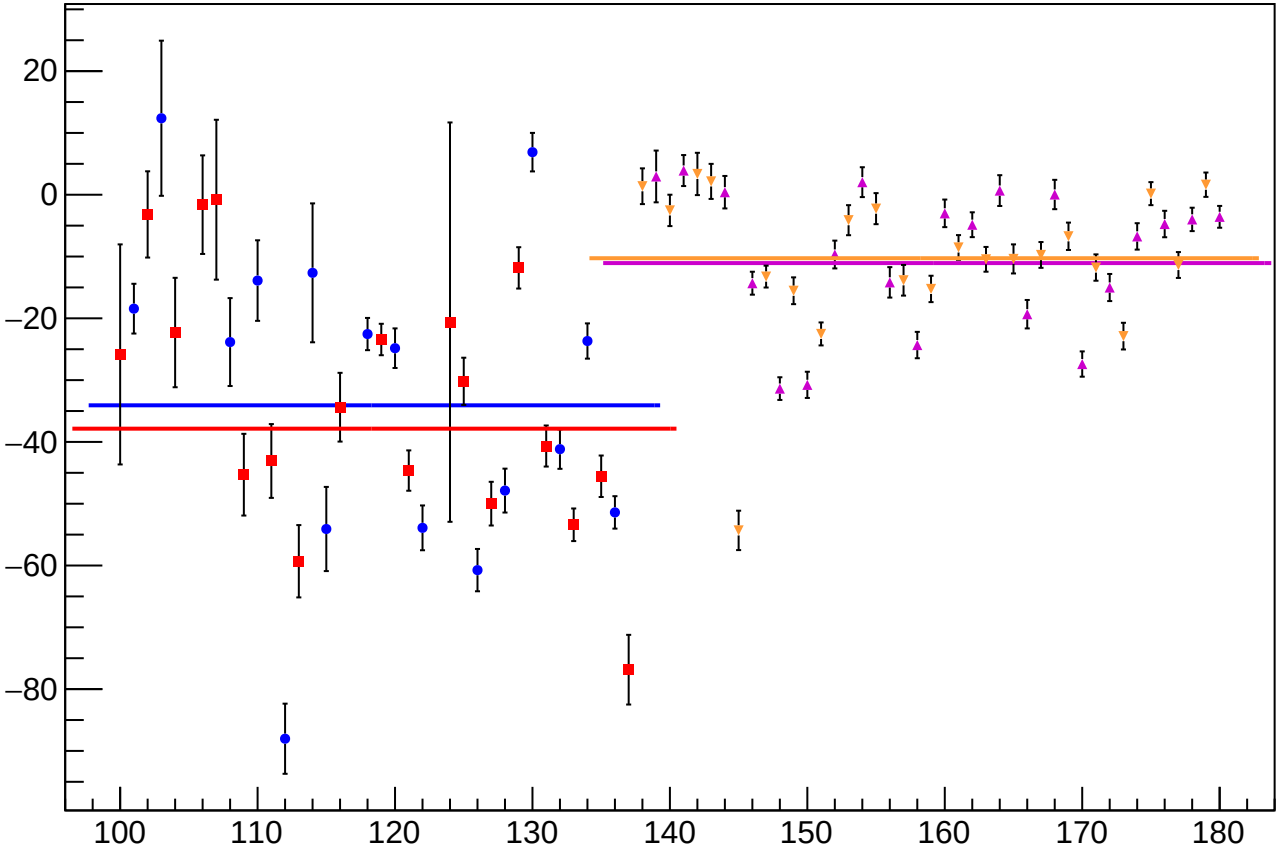
Left In: 54.215+/-0.552 χ^2/NDF:2222.0/20

+ sign 56.332+/-0.481 χ^2/NDF: 8823.6/37

All: 58.756+/-0.340 χ^2/NDF: 16061.0/77

- 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: -10.274+/-0.475 χ^2/NDF:434.0/21

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

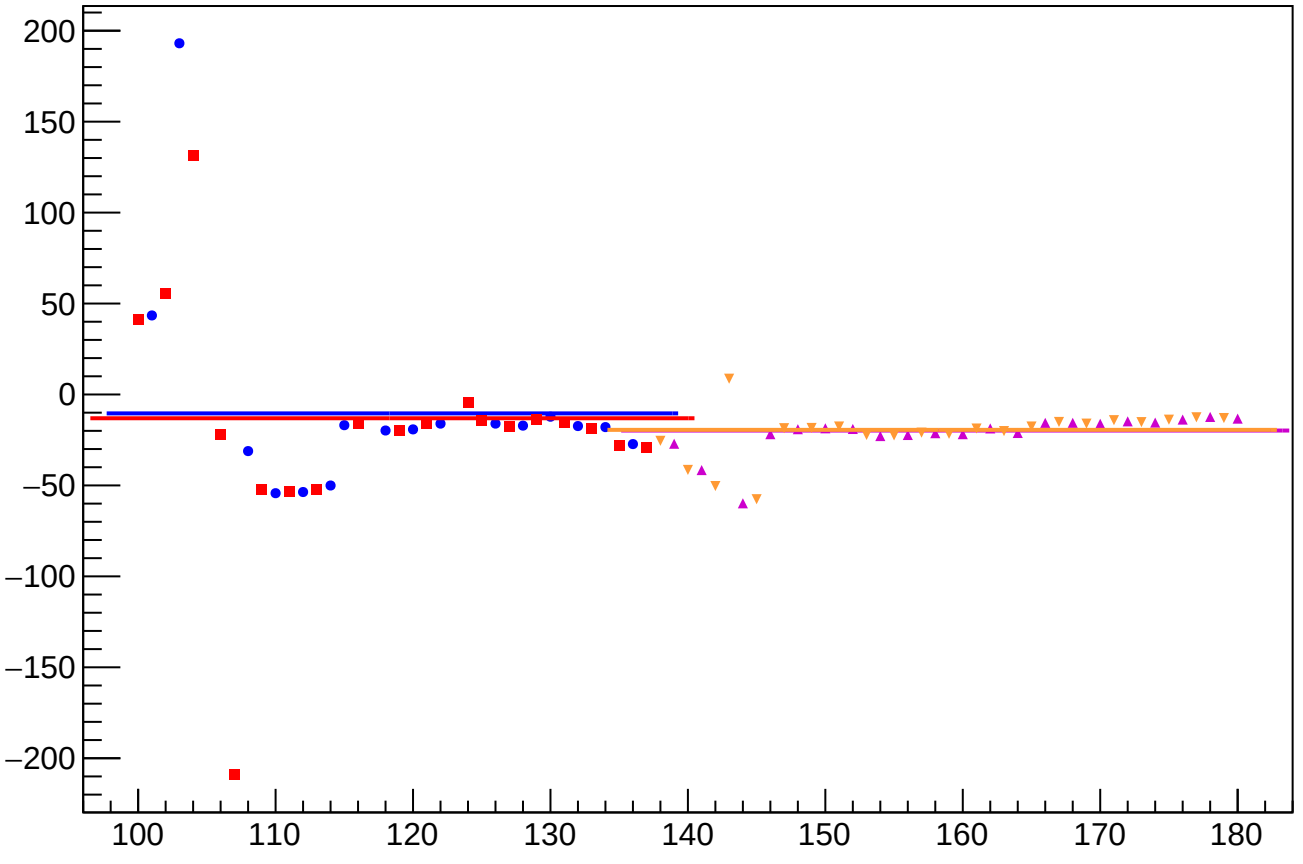
Left In: -11.061+/-0.478 χ^2/NDF:538.8/20

+ sign -15.094+/-0.424 χ^2/NDF: 1454.2/37

All: -15.584+/-0.302 χ^2/NDF: 2860.9/77

- 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: -19.453+/-0.021 χ^2/NDF:225104.2/21

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

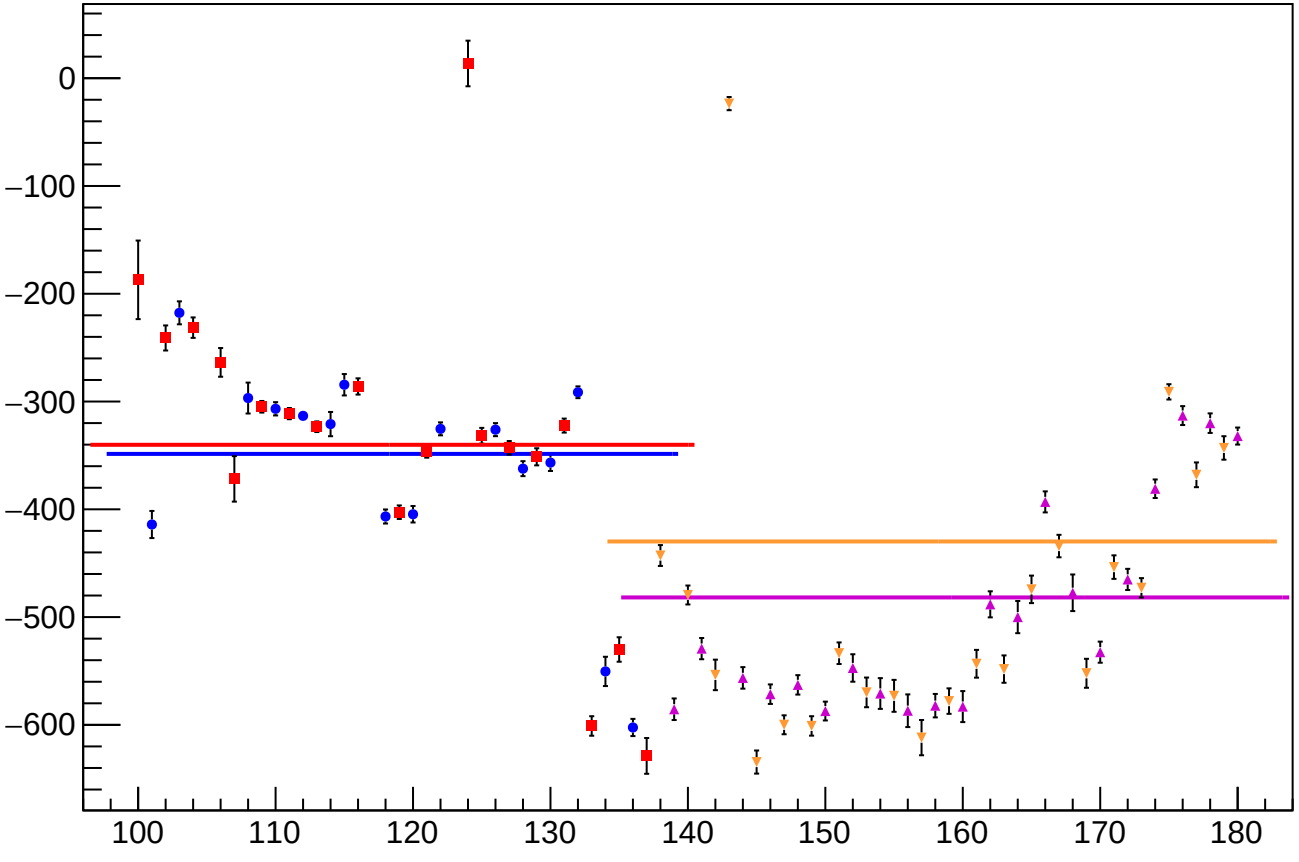
Left In: -19.829+/-0.021 χ^2/NDF:152770.2/20

+ sign -18.328+/-0.020 χ^2/NDF: 769672.7/37

All: -18.734+/-0.014 χ^2/NDF: 1383318.7/77

- 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: -429.836+/-2.183 χ^2/NDF:6961.4/21

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

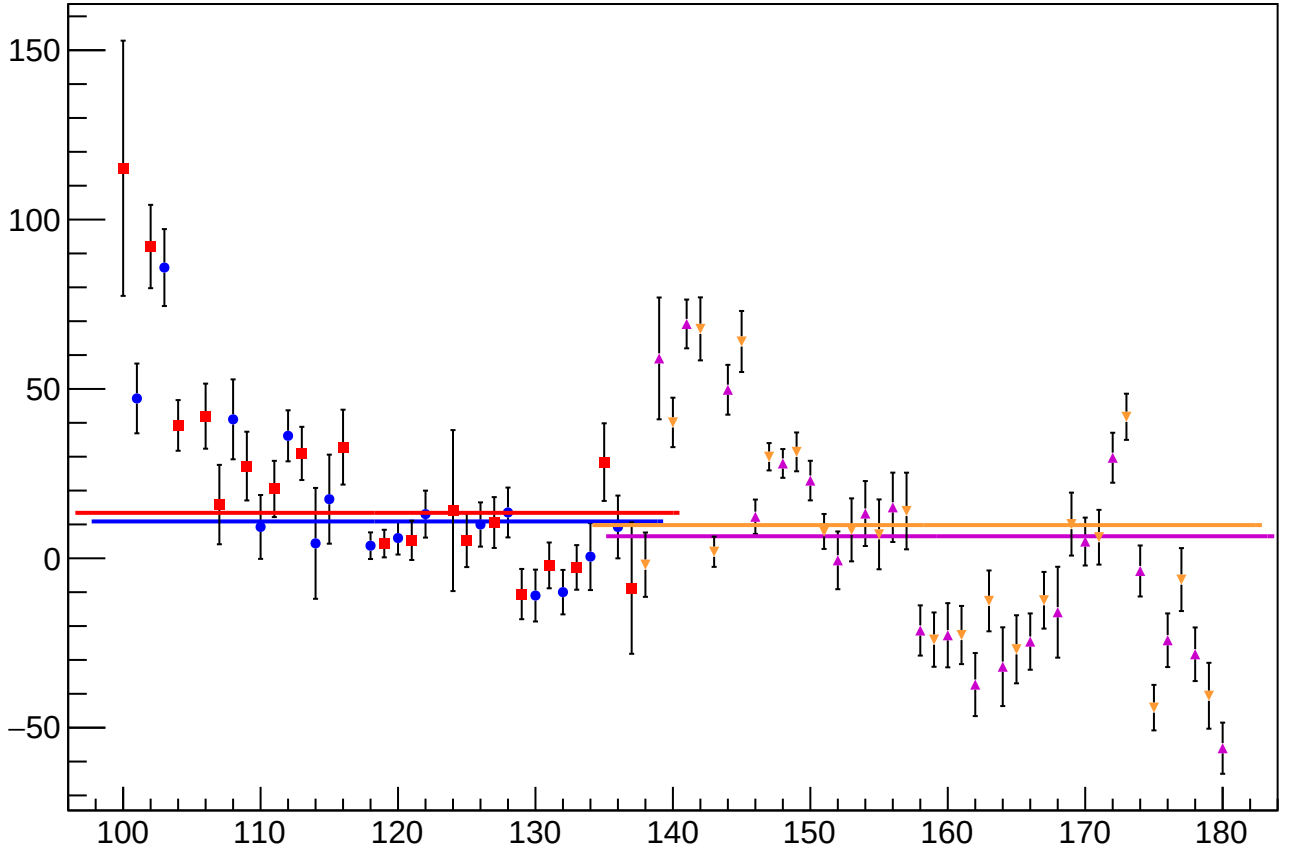
Left In: -481.761+/-2.251 χ^2/NDF:2059.1/20

+ sign -381.997+/-1.400 χ^2/NDF: 9635.0/37

All: -387.989+/-0.985 χ^2/NDF: 16385.1/77

- 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: 9.805+/-1.542 χ^2/NDF:311.5/21

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

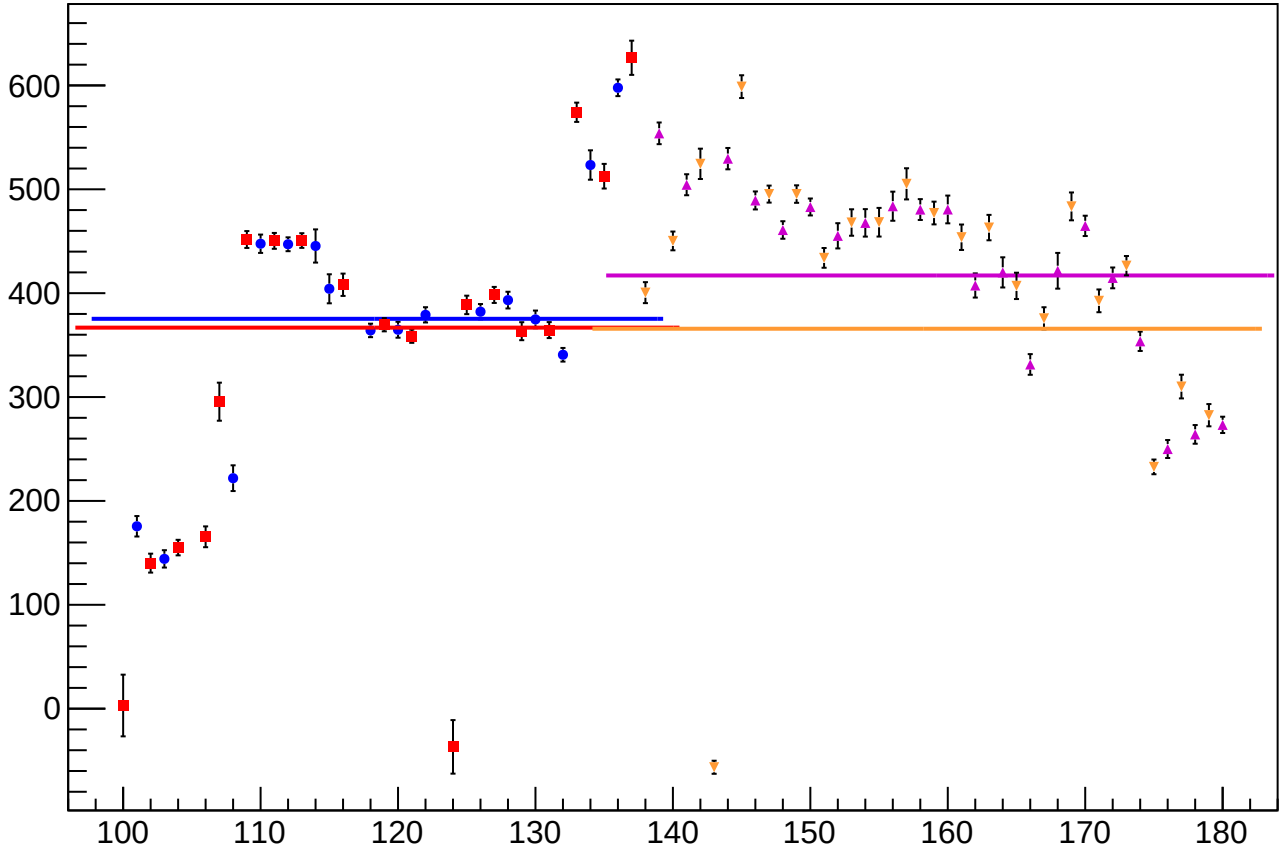
Left In: 6.515+/-1.638 χ^2/NDF:343.8/20

+ sign 10.251+/-1.183 χ^2/NDF: 409.9/37

All: 9.911+/-0.852 χ^2/NDF: 874.1/77

- 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: 365.762+/-2.158 χ^2/NDF:6702.8/21

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

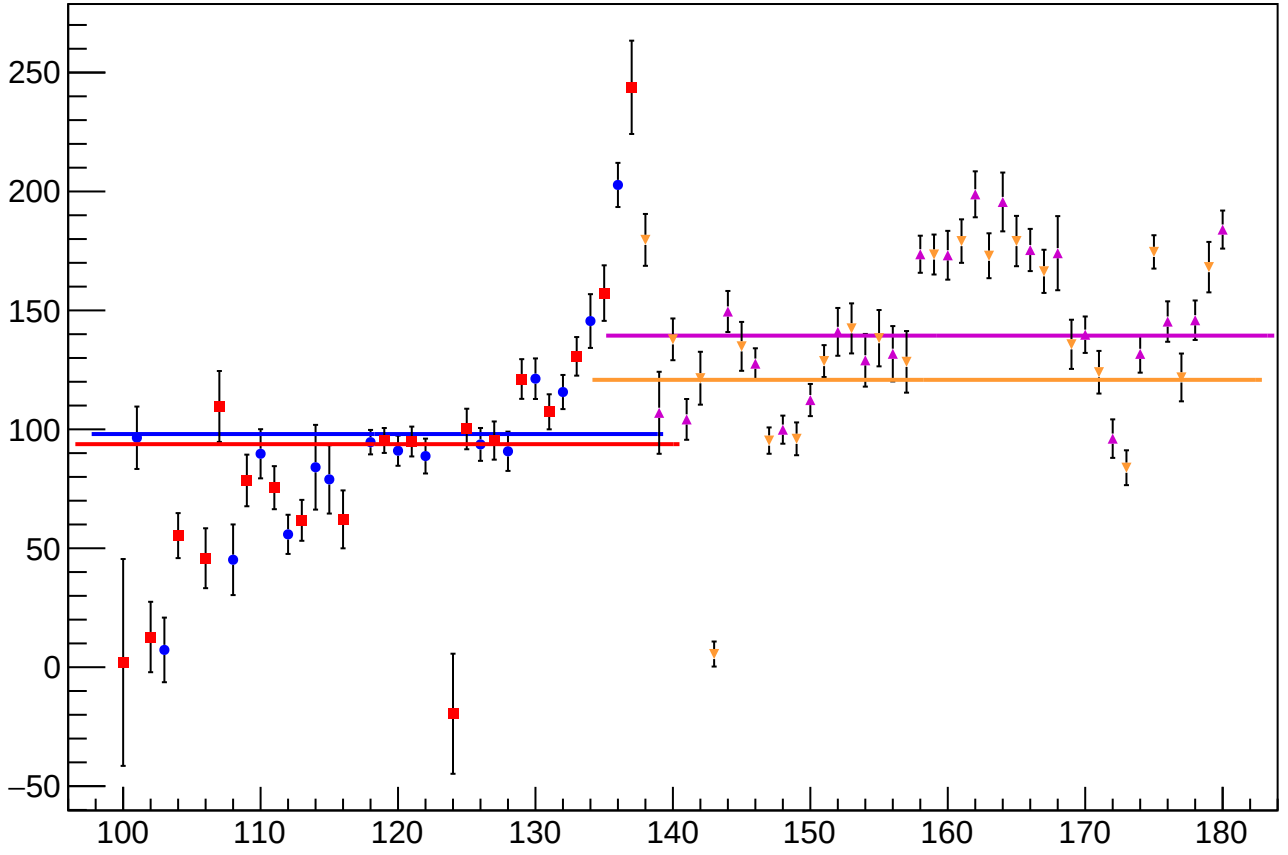
Left In: 417.041+/-2.217 χ^2/NDF:1781.2/20

+ sign 370.666+/-1.506 χ^2/NDF: 9162.3/37

All: 380.324+/-1.065 χ^2/NDF: 14843.4/77

- 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: 120.810+/-1.793 χ^2/NDF:829.5/21

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

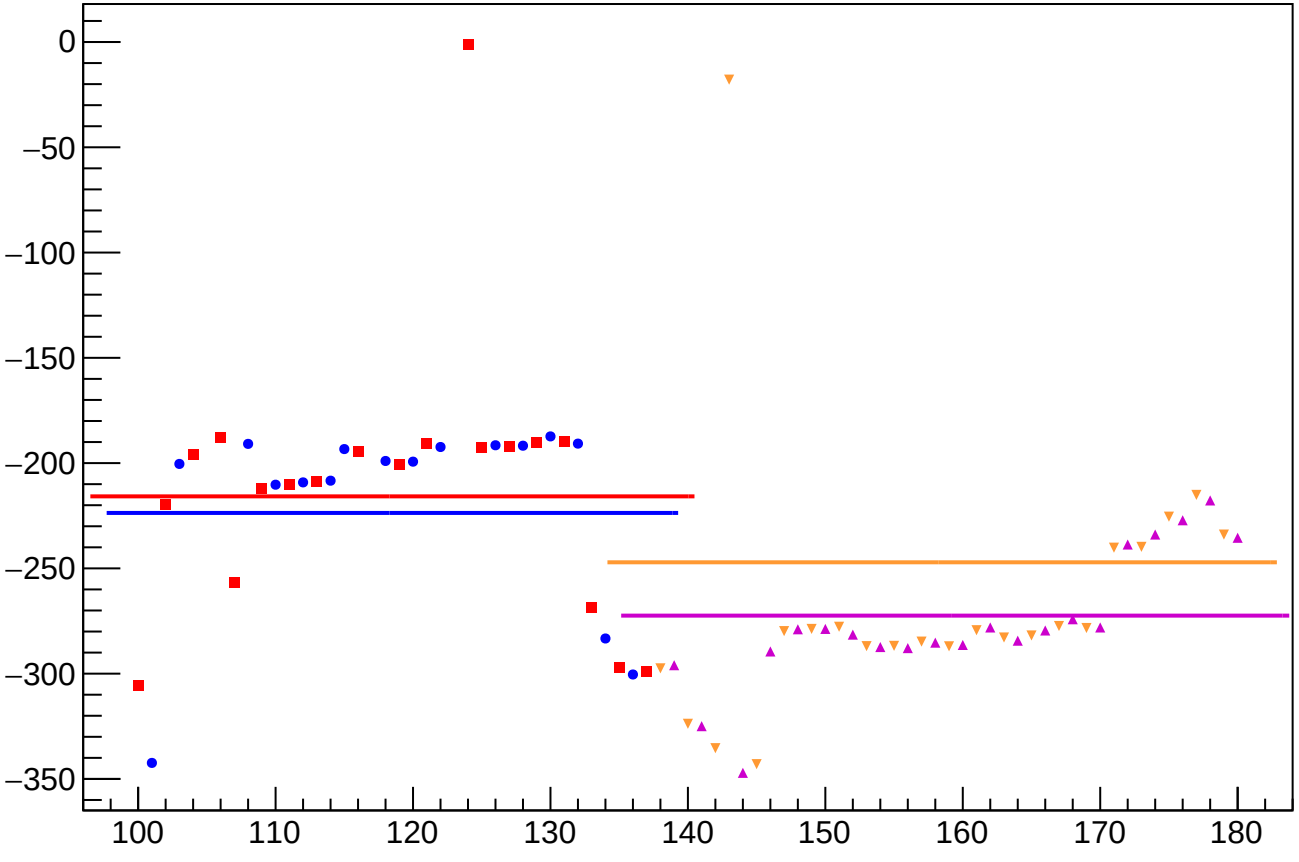
Left In: 139.398+/-1.881 χ^2/NDF:259.0/20

\+ sign 111.432+/-1.375 χ^2/NDF: 1145.5/37

All: 115.358+/-0.985 χ^2/NDF: 1915.0/77

\- 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: -247.115+/-0.084 χ^2/NDF:986236.4/21

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

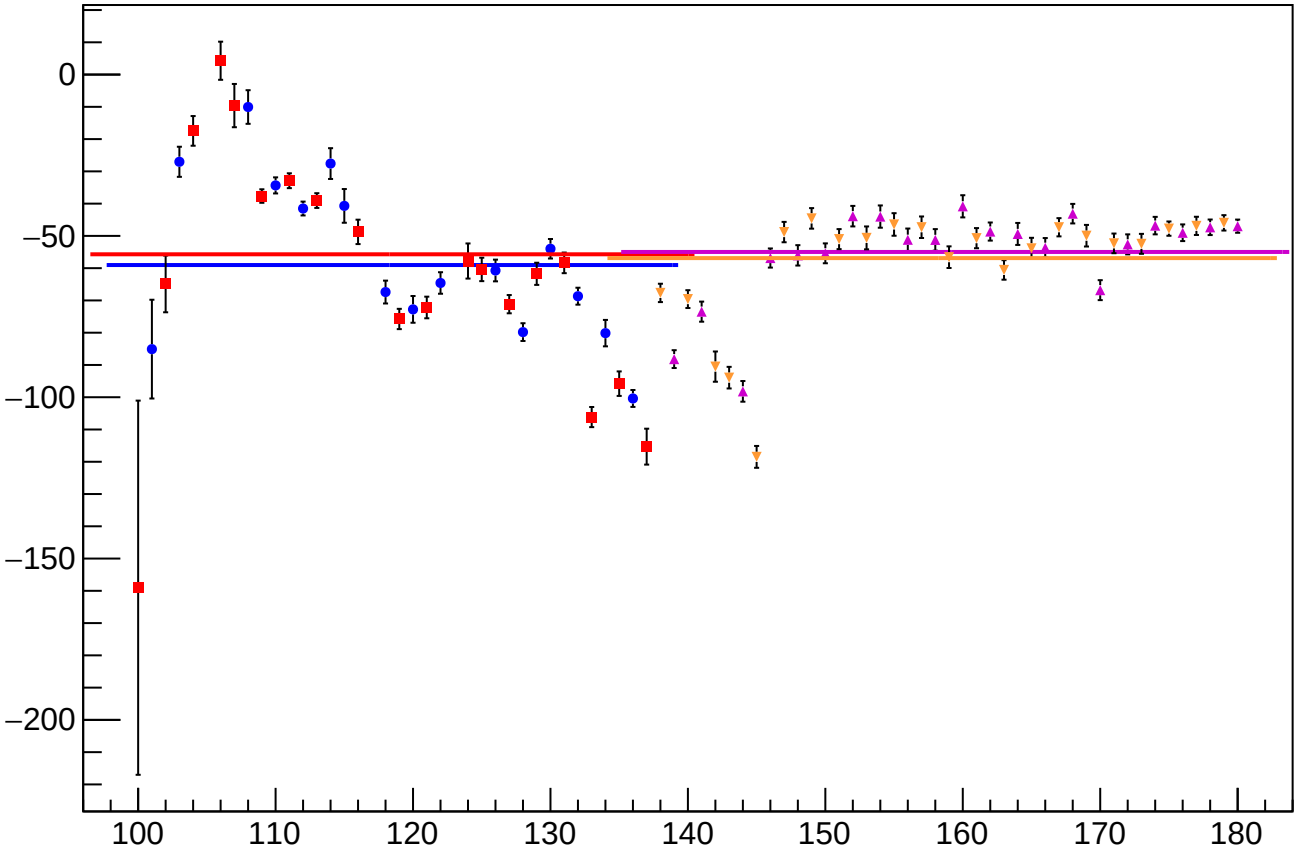
Left In: -272.440+/-0.086 χ^2/NDF:122707.4/20

+ sign -240.754+/-0.072 χ^2/NDF: 1128717.6/37

All: -248.341+/-0.051 χ^2/NDF: 1481492.1/77

- 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: -56.881+/-0.651 χ^2/NDF:662.1/21

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

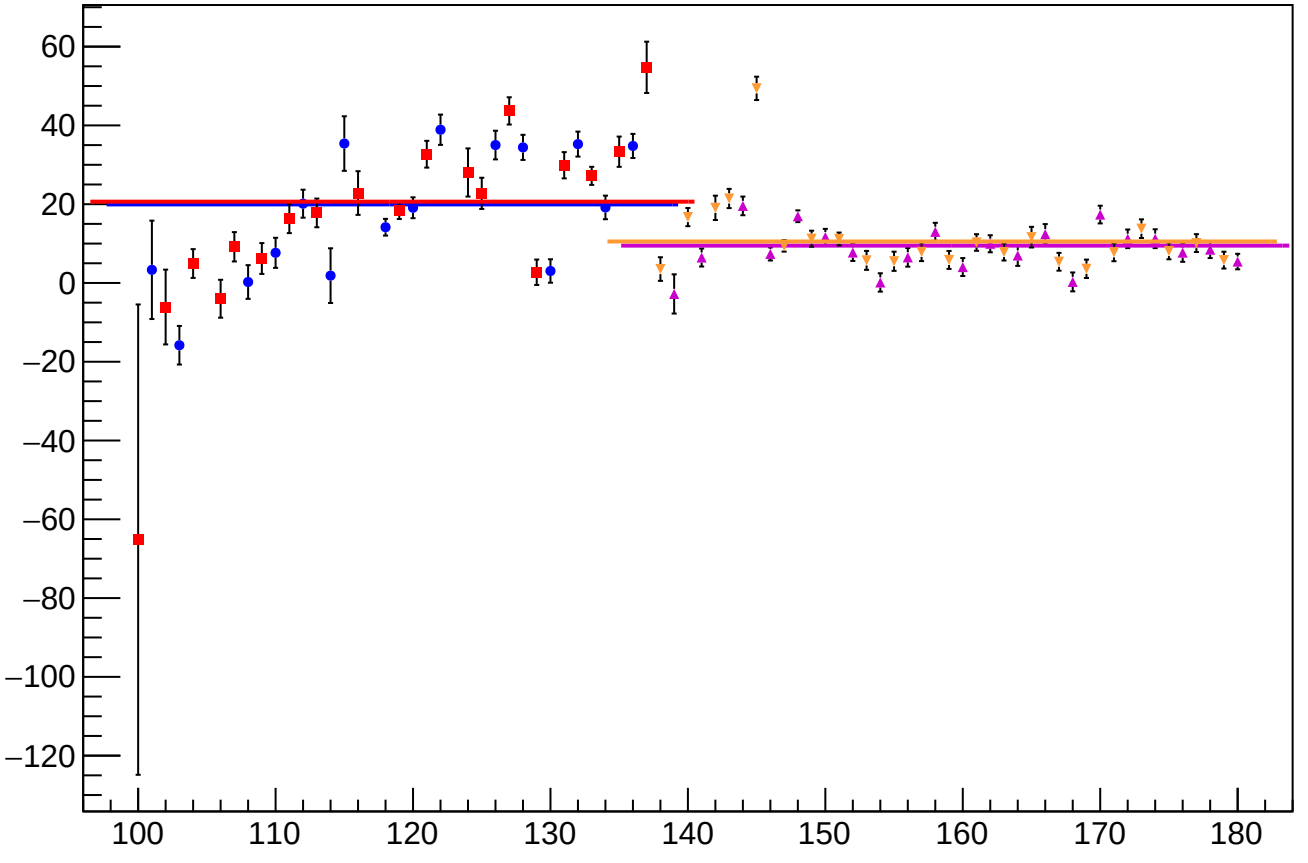
Left In: -54.977+/-0.641 χ^2/NDF:482.1/20

+ sign -57.701+/-0.512 χ^2/NDF: 1393.6/37

All: -56.448+/-0.357 χ^2/NDF: 2928.9/77

- 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: 10.533+/-0.473 χ^2/NDF:252.1/21

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

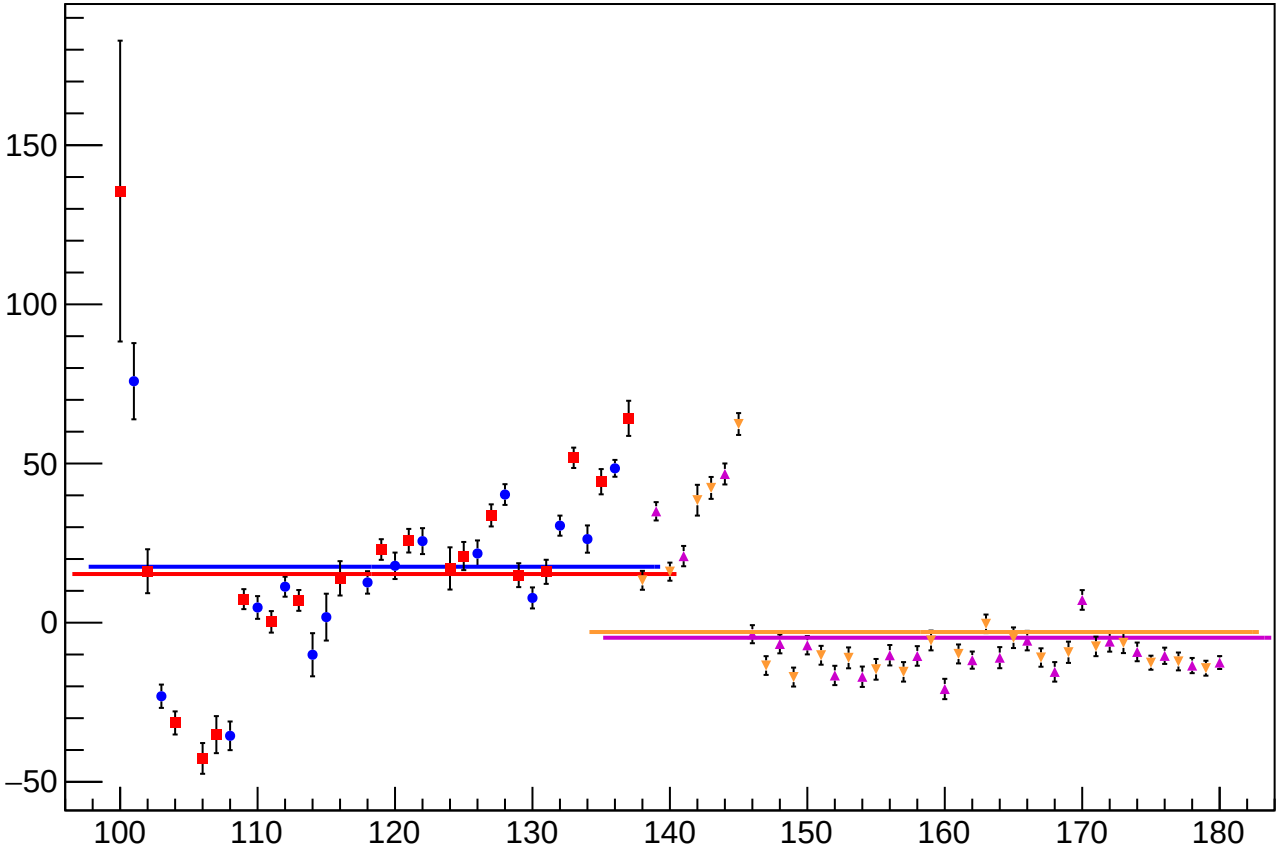
Left In: 9.483+/-0.482 χ^2/NDF:115.4/20

\+ sign 12.690+/-0.415 χ^2/NDF: 590.0/37

All: 12.461+/-0.295 χ^2/NDF: 1062.7/77

\- 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: -2.934+/-0.640 χ^2/NDF:834.7/21

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

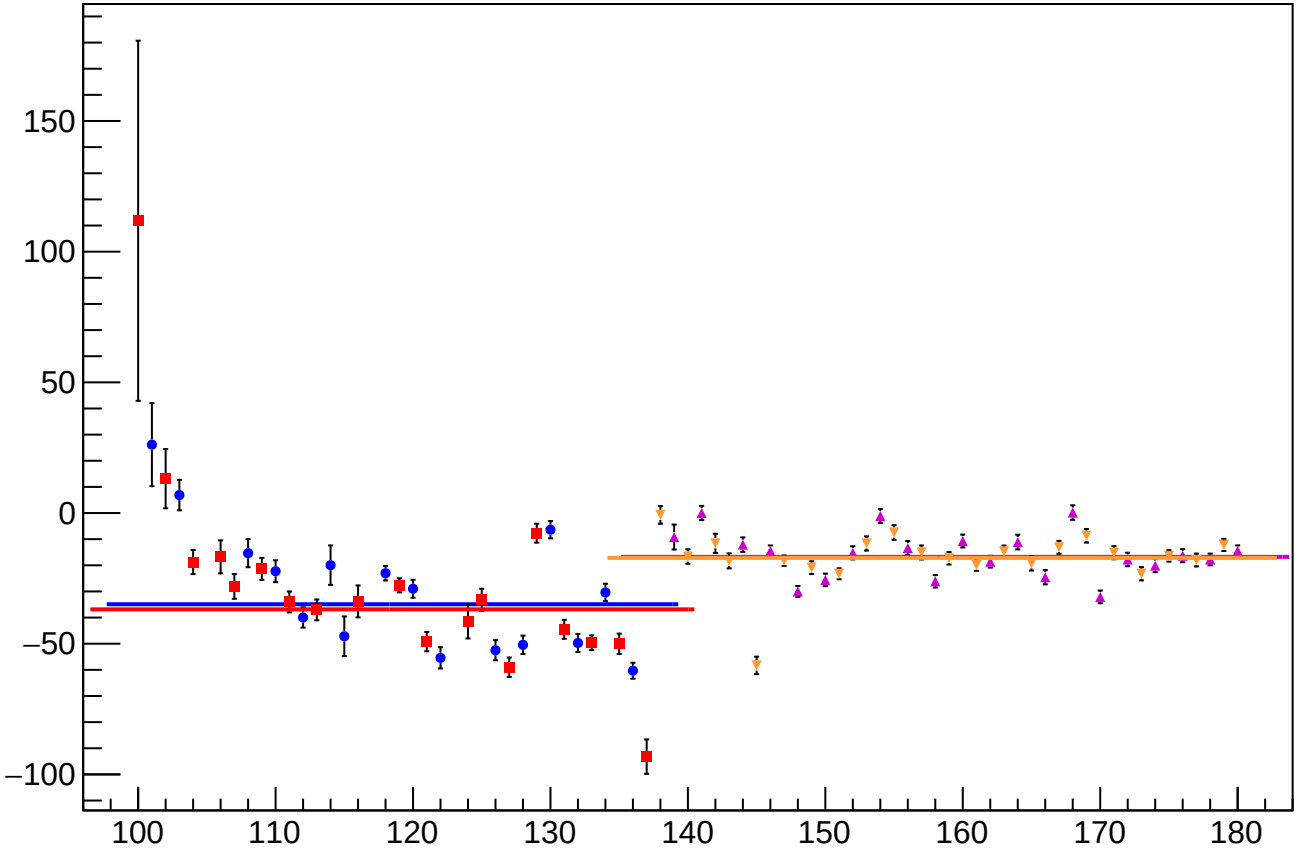
Left In: -4.730+/-0.631 χ^2/NDF:633.9/20

+ sign 3.408+/-0.532 χ^2/NDF: 1698.4/37

All: 2.460+/-0.373 χ^2/NDF: 3383.9/77

- 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: -17.162+/-0.540 χ^2/NDF:232.0/21

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

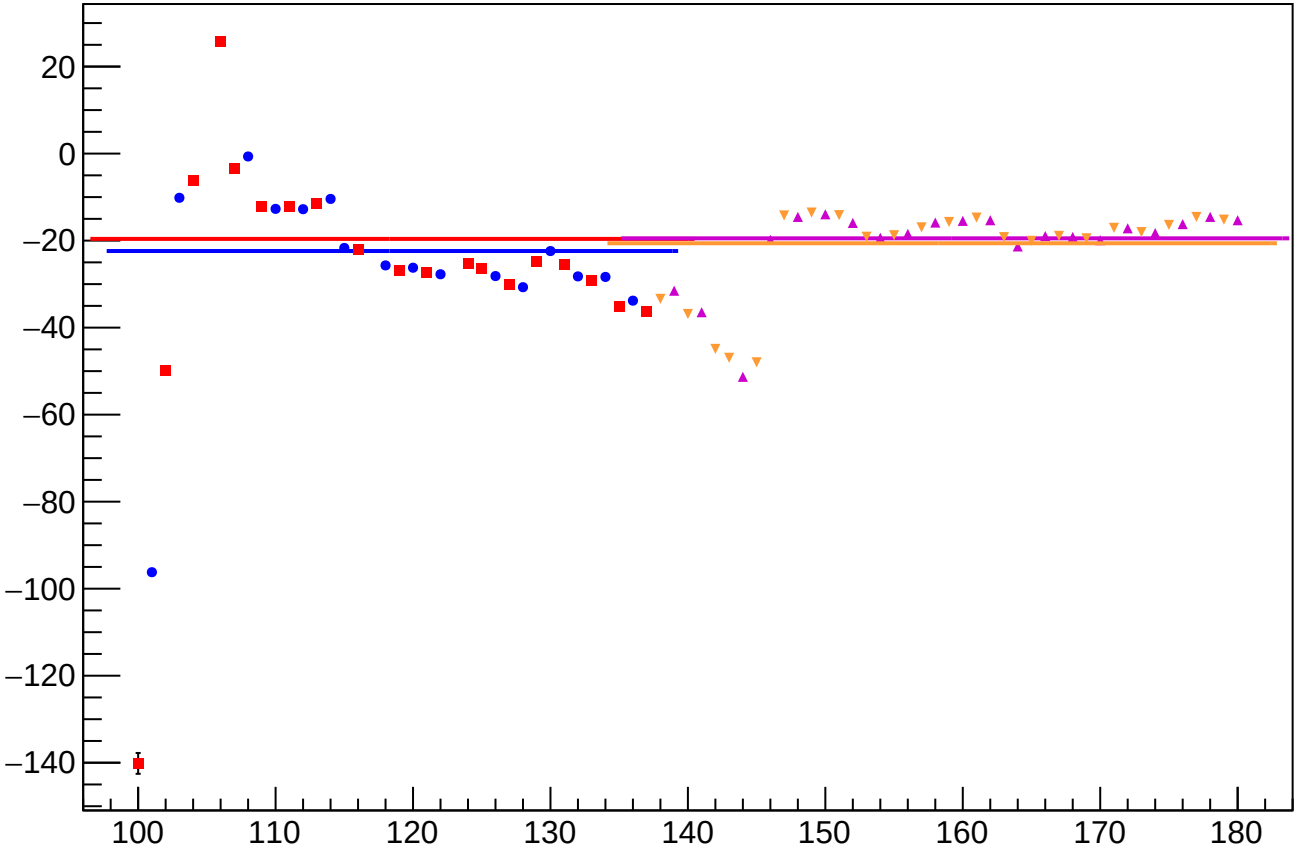
Left In: -16.774+/-0.545 χ^2/NDF:249.2/20

+ sign -21.226+/-0.474 χ^2/NDF: 825.9/37

All: -21.412+/-0.336 χ^2/NDF: 1702.7/77

- 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: -20.608+/-0.024 χ^2/NDF:144525.1/21

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

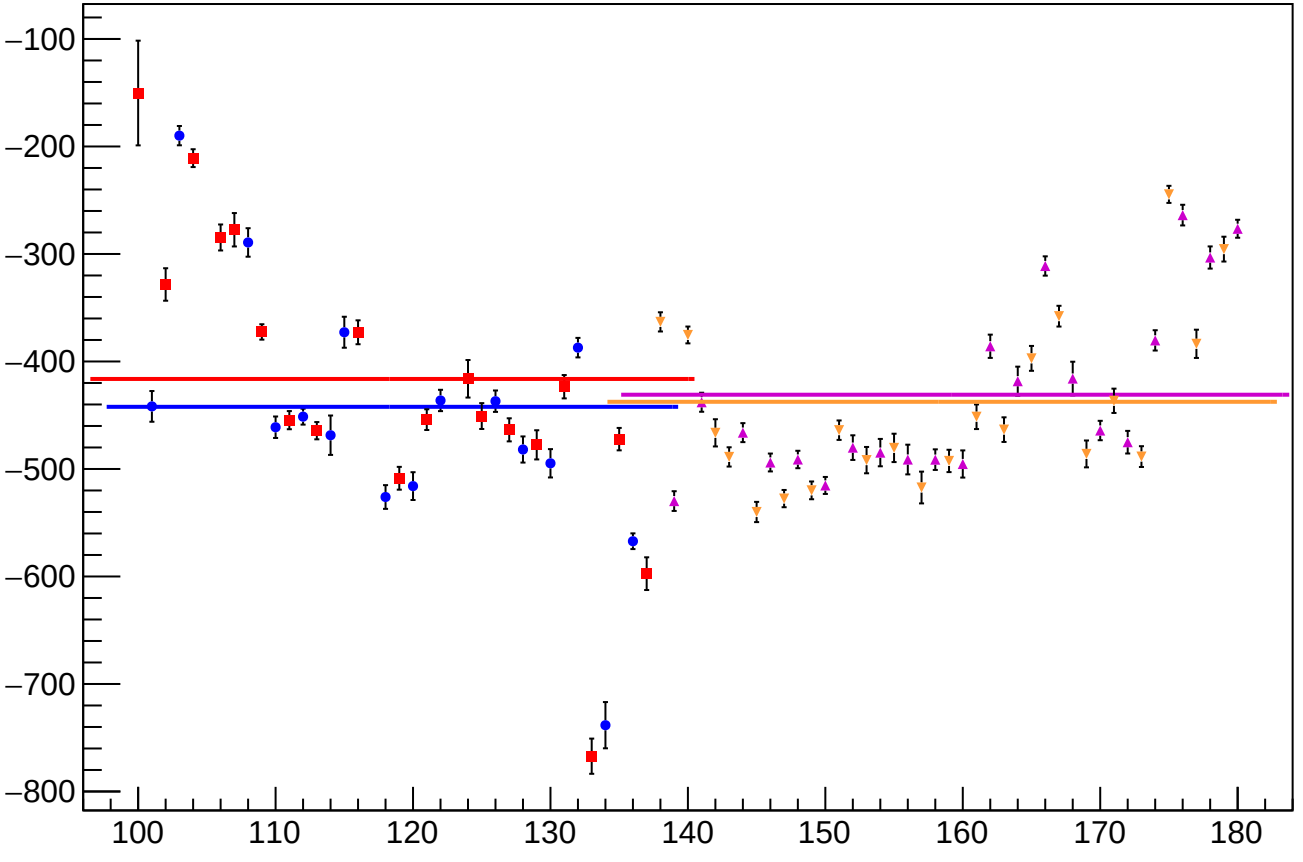
Left In: -19.478+/-0.024 χ^2/NDF:92328.2/20

+ sign -20.874+/-0.022 χ^2/NDF: 191843.7/37

All: -20.181+/-0.016 χ^2/NDF: 369929.7/77

- 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: -437.500+/-2.157 χ^2/NDF:1497.2/21

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

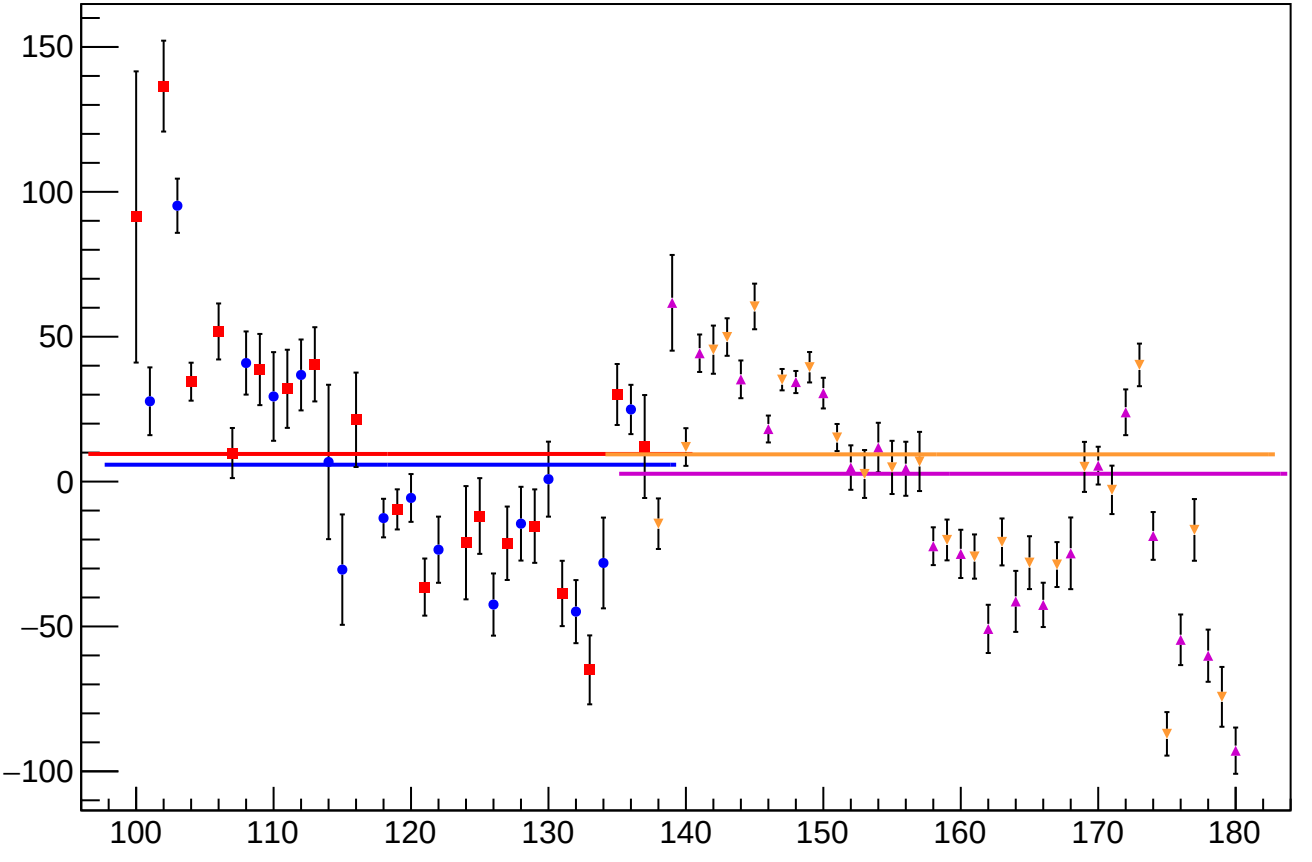
Left In: -430.923+/-2.147 χ^2/NDF:1534.4/20

+ sign -439.339+/-1.681 χ^2/NDF: 3088.2/37

All: -431.850+/-1.172 χ^2/NDF: 6434.6/77

- 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: 9.400+/-1.497 χ^2/NDF:542.2/21

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

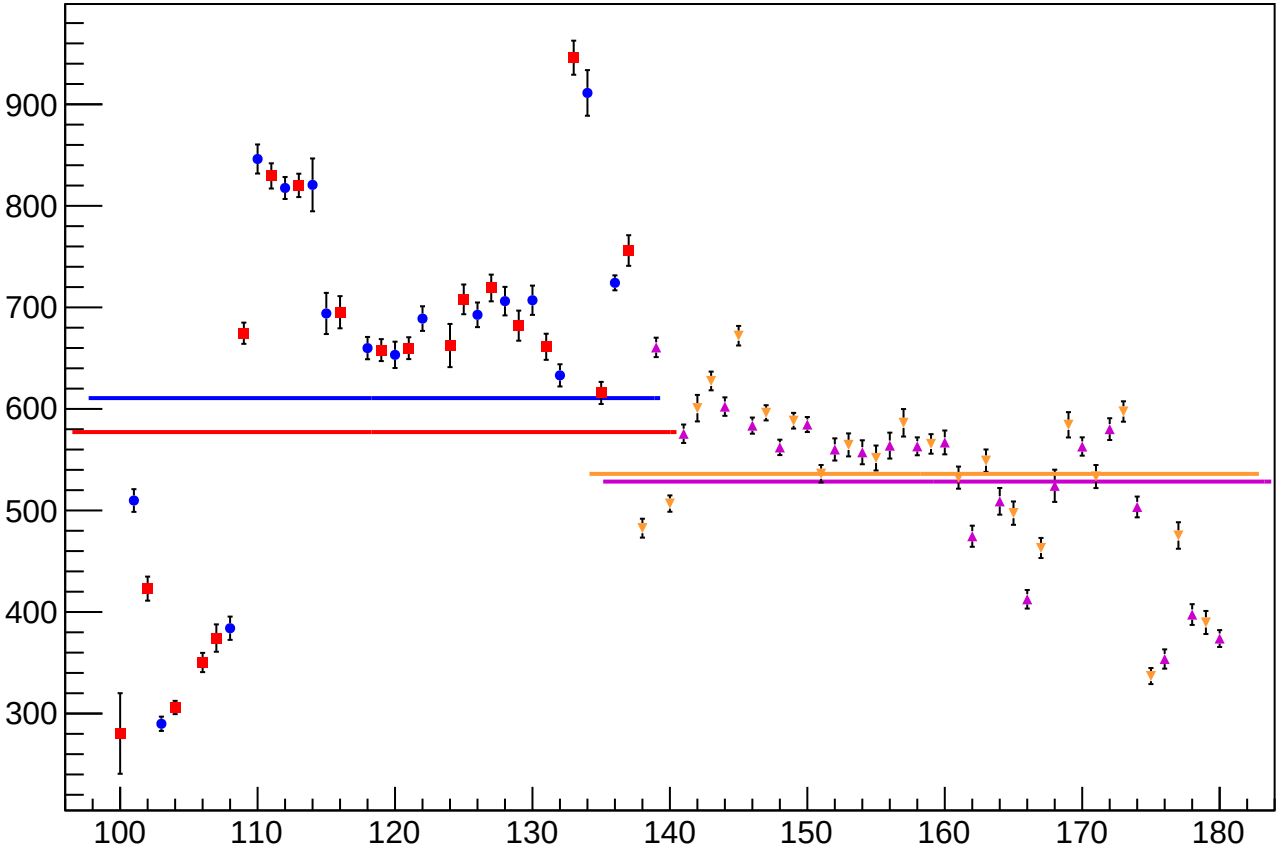
Left In: 2.699+/-1.535 χ^2/NDF:561.7/20

+ sign 8.573+/-1.312 χ^2/NDF: 731.7/37

All: 6.547+/-0.929 χ^2/NDF: 1525.6/77

- 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: 536.041+/-2.121 χ^2/NDF:1449.4/21

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

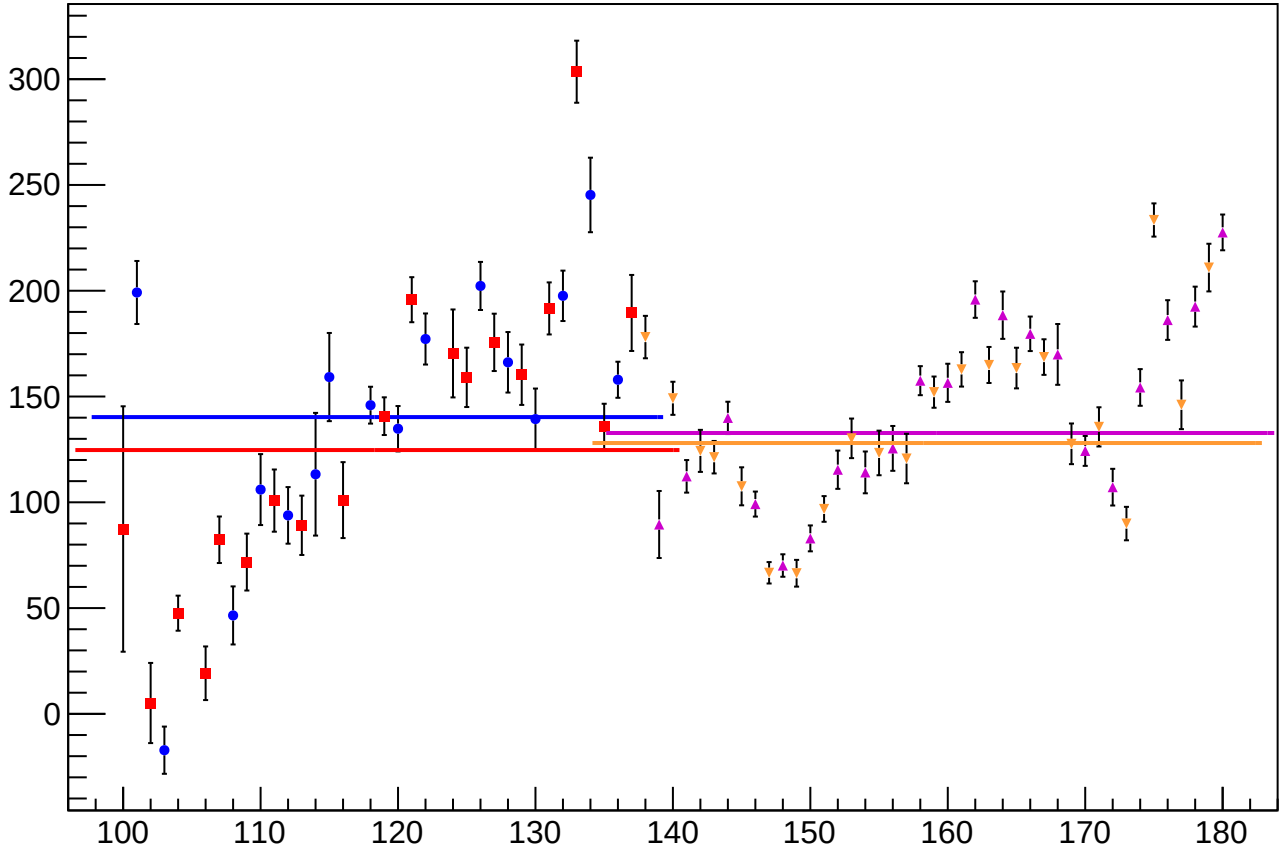
Left In: 528.443+/-2.108 χ^2/NDF:1541.1/20

+ sign 562.137+/-1.710 χ^2/NDF: 5774.8/37

All: 554.123+/-1.196 χ^2/NDF: 12356.8/77

- 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: 128.021+/-1.748 χ^2/NDF:652.7/21

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

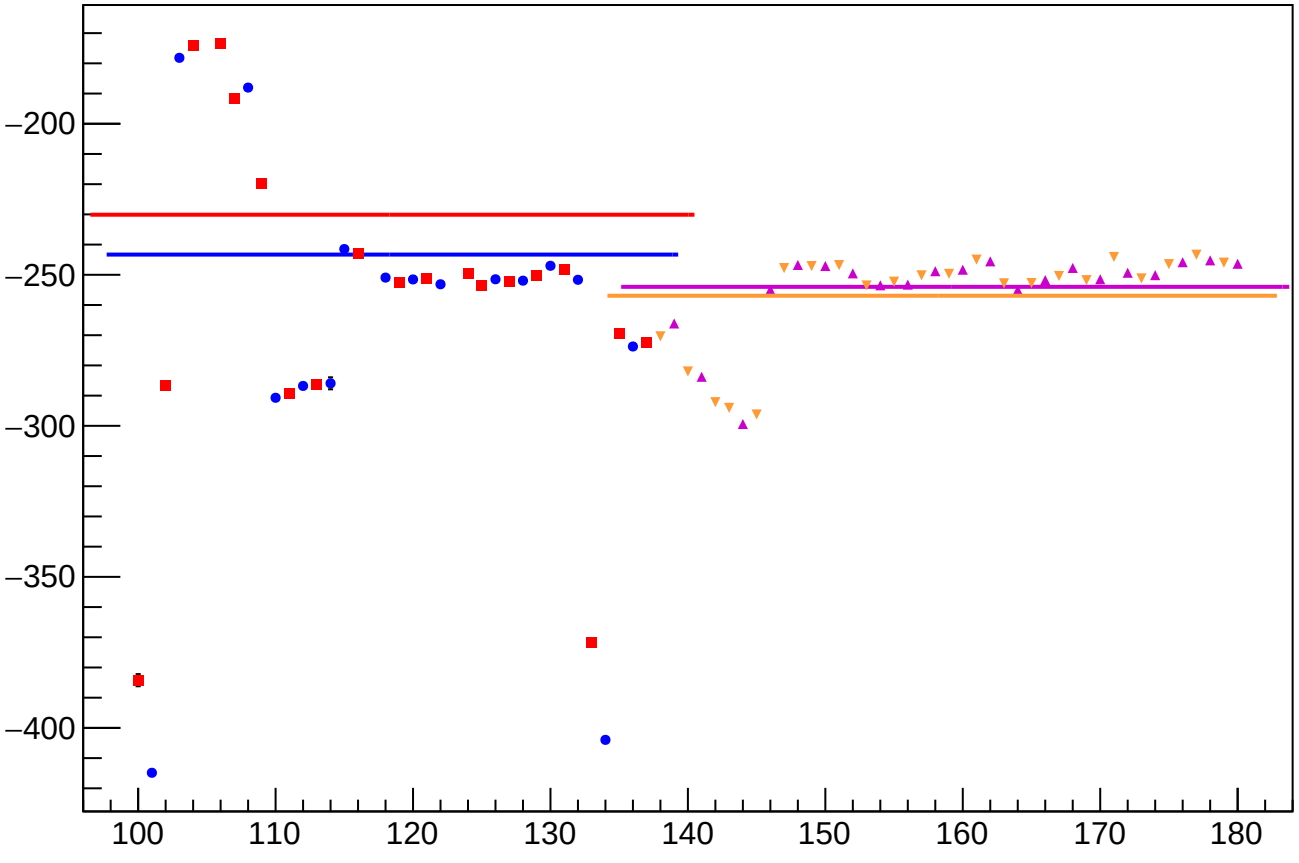
Left In: 132.760+/-1.773 χ^2/NDF:612.9/20

+ sign 130.906+/-1.529 χ^2/NDF: 1049.6/37

All: 130.778+/-1.079 χ^2/NDF: 2176.5/77

- 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: -256.932+/-0.082 χ^2/NDF:38977.6/21

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

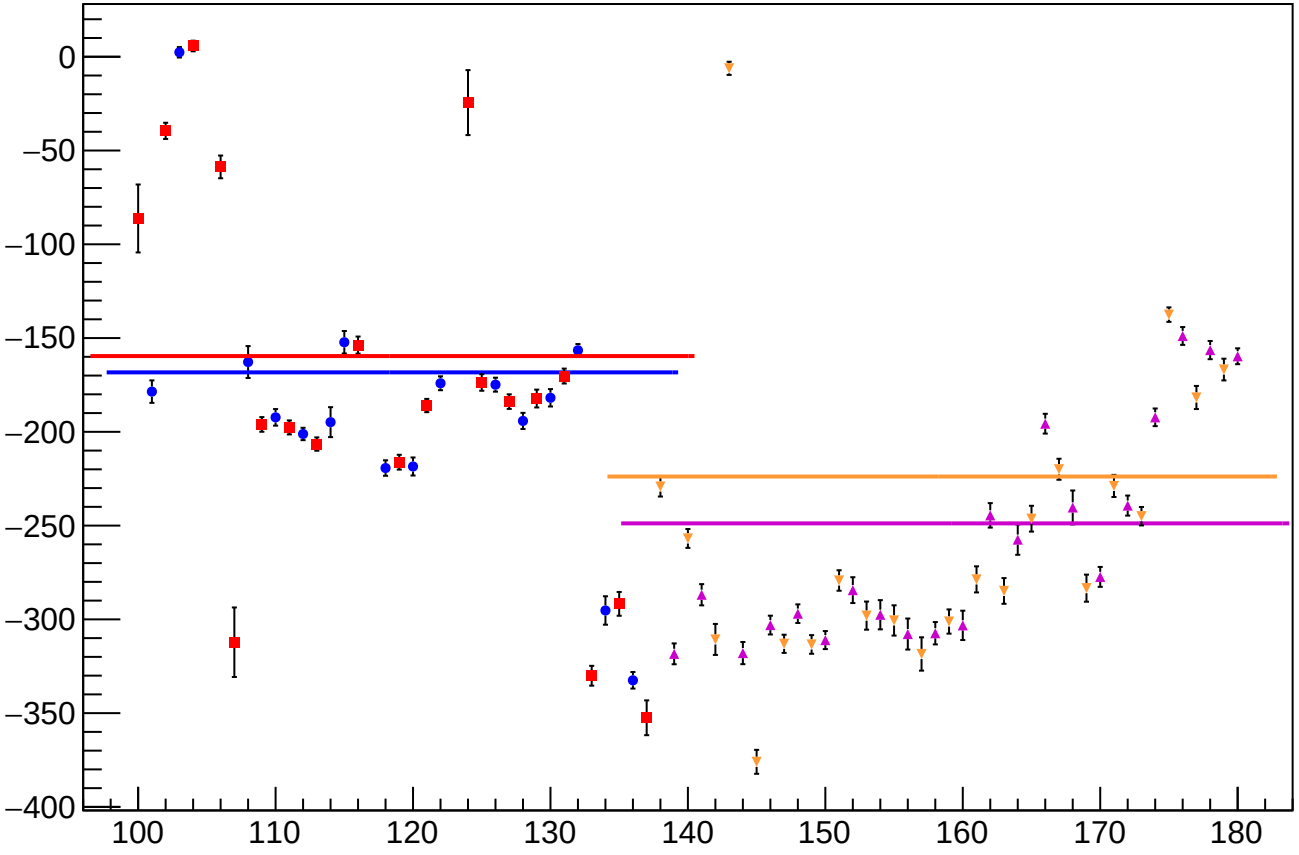
Left In: -253.988+/-0.081 χ^2/NDF:23948.0/20

+ sign -254.148+/-0.073 χ^2/NDF: 218057.8/37

All: -251.509+/-0.052 χ^2/NDF: 365169.4/77

- 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: -223.825+/-1.205 χ^2/NDF:6663.2/21

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

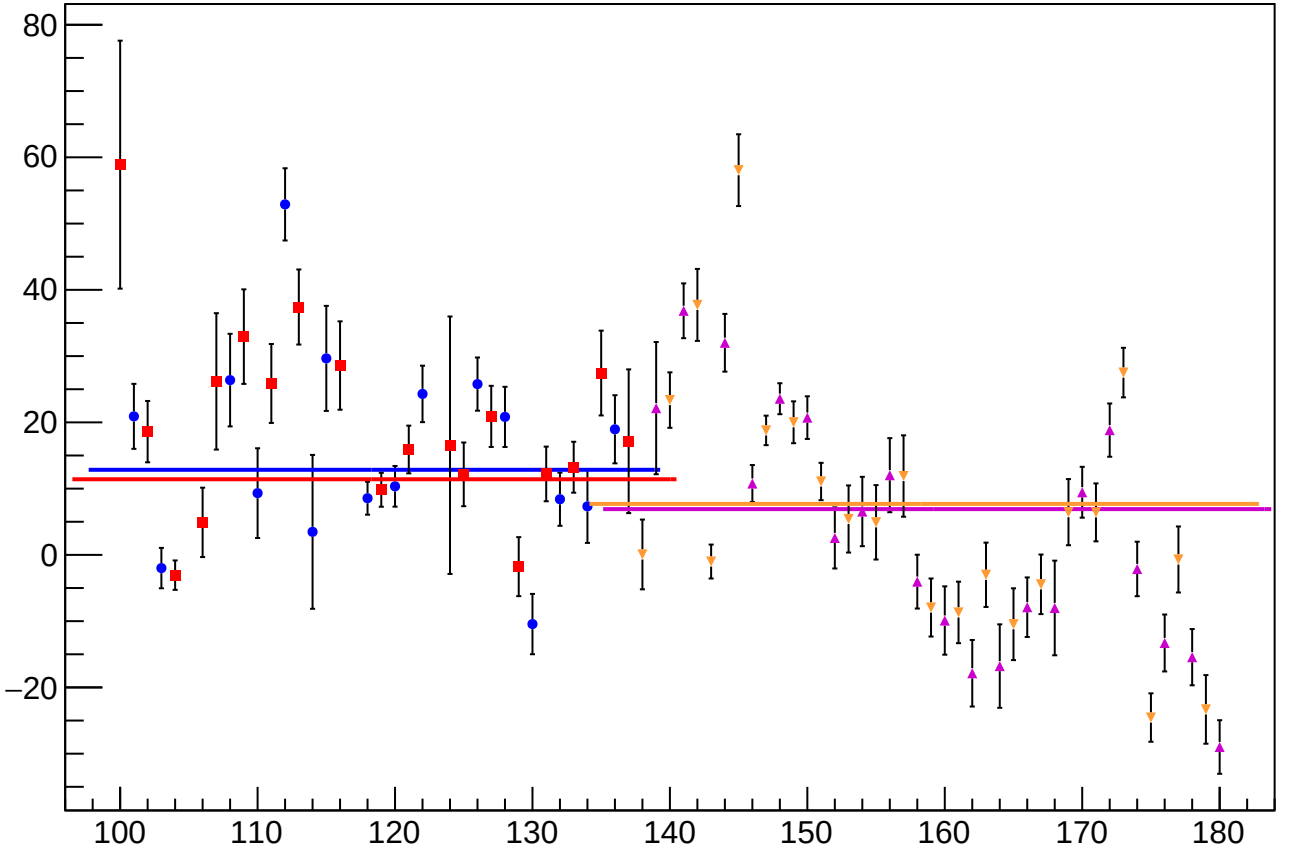
Left In: -248.812+/-1.233 χ^2/NDF:2507.8/20

+ sign -192.918+/-0.803 χ^2/NDF: 13752.6/37

All: -194.867+/-0.565 χ^2/NDF: 26523.1/77

- 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: 7.696+/-0.851 χ^2/NDF:380.5/21

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

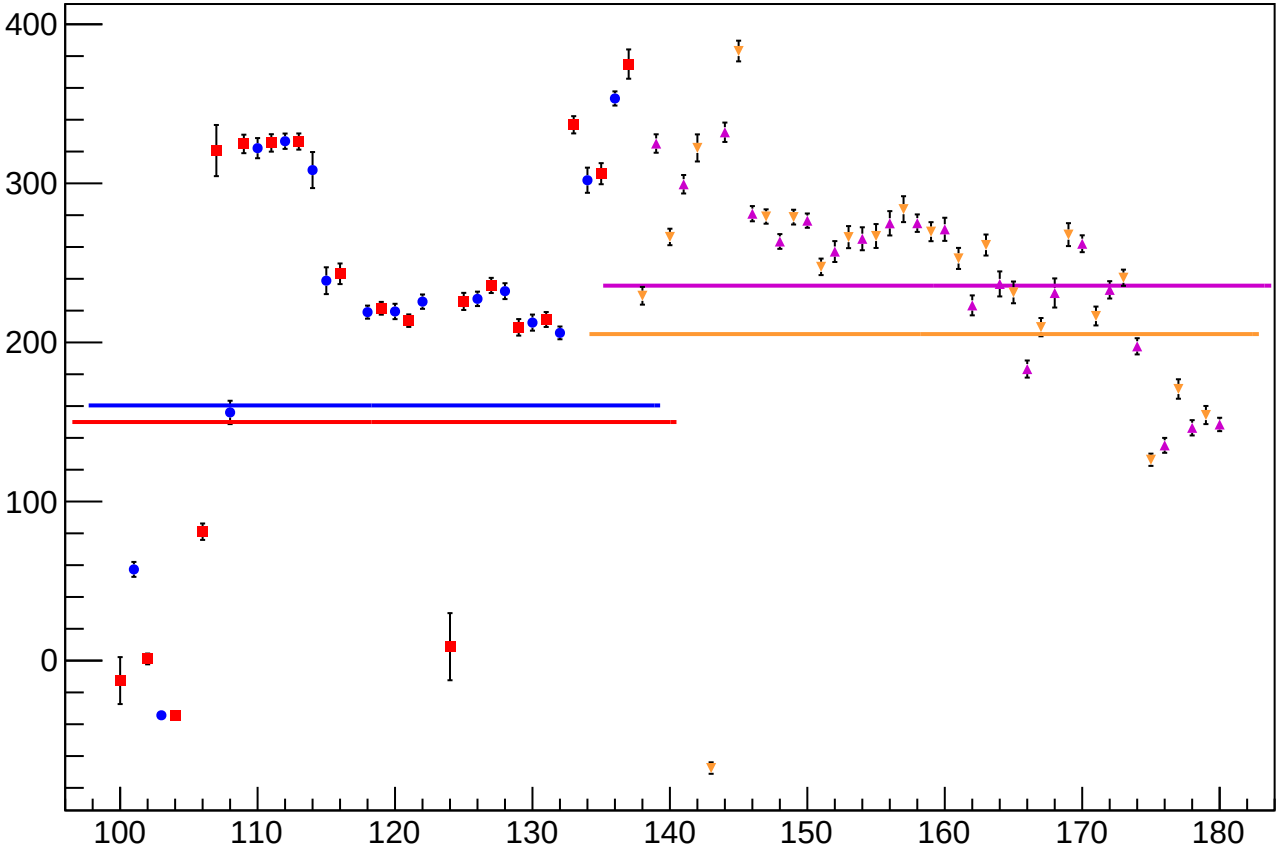
Left In: 6.908+/-0.899 χ^2/NDF:375.2/20

+ sign 9.676+/-0.668 χ^2/NDF: 538.2/37

All: 9.267+/-0.476 χ^2/NDF: 1044.5/77

- 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: 205.256+/-1.190 χ^2/NDF:8540.6/21

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

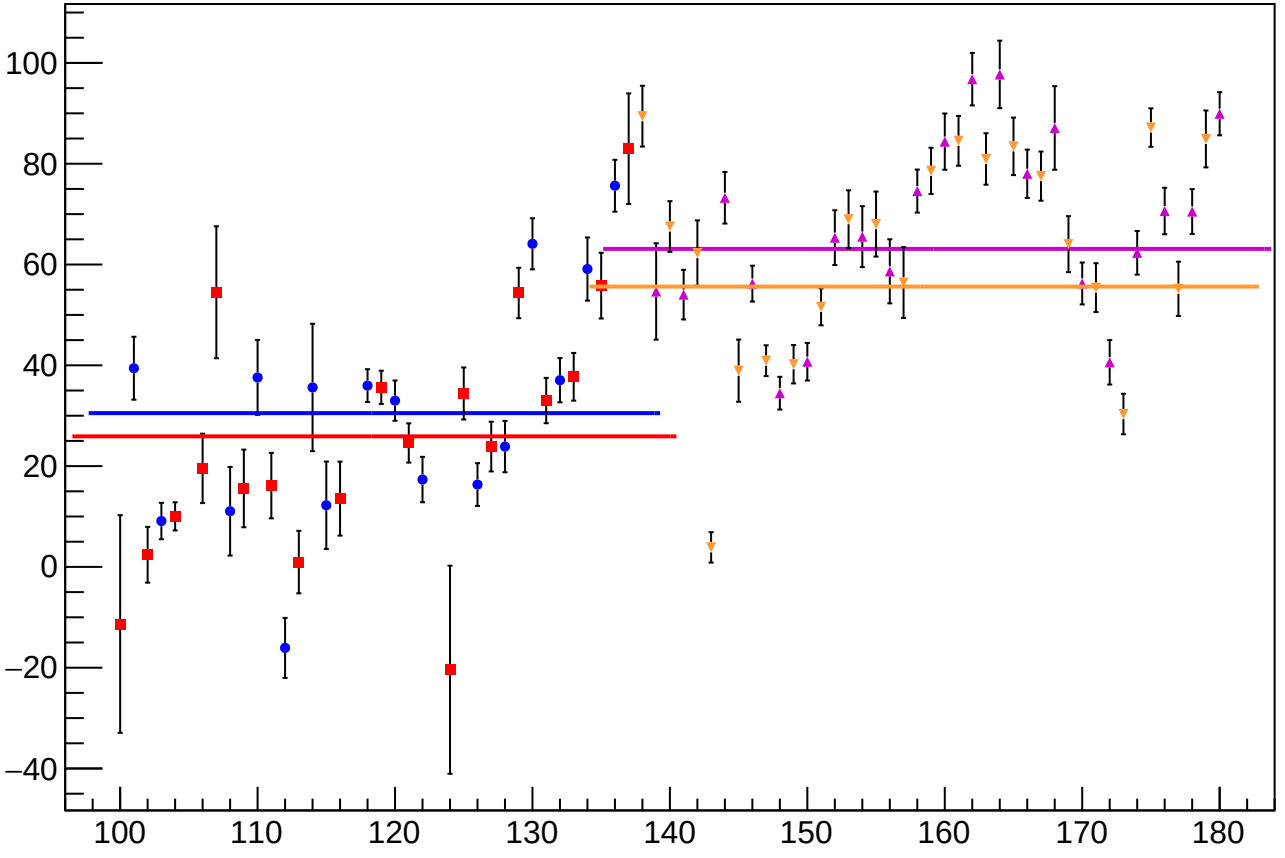
Left In: 235.695+/-1.214 χ^2/NDF:2358.8/20

+ sign 181.848+/-0.823 χ^2/NDF: 23231.7/37

All: 185.385+/-0.580 χ^2/NDF: 44615.1/77

- 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: 55.630+/-0.988 χ^2/NDF:654.6/21

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

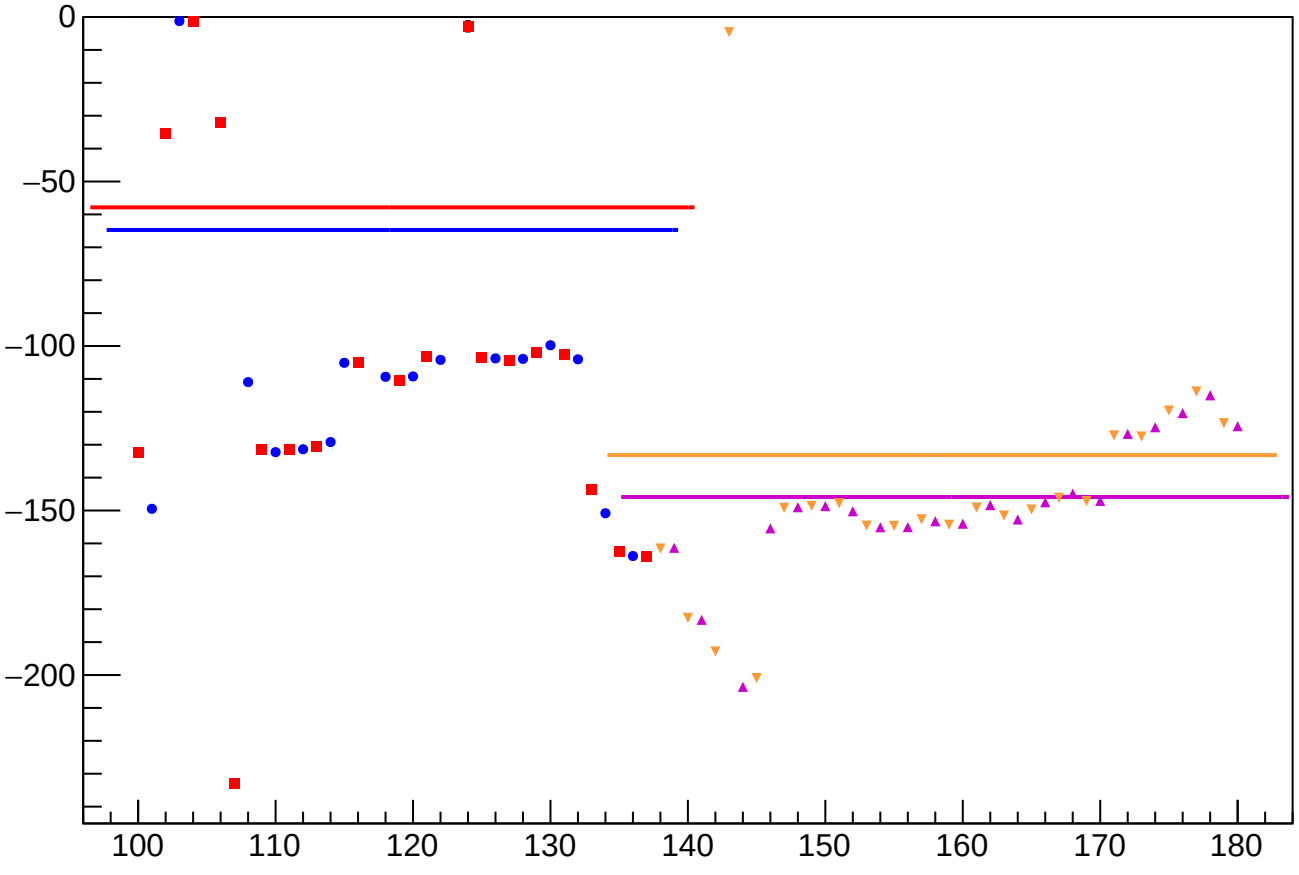
Left In: 63.104+/-1.031 χ^2/NDF:308.2/20

+ sign 46.009+/-0.776 χ^2/NDF: 1179.0/37

All: 46.750+/-0.552 χ^2/NDF: 2223.0/77

- 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: -133.144+/-0.046 χ^2/NDF:983310.0/21

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

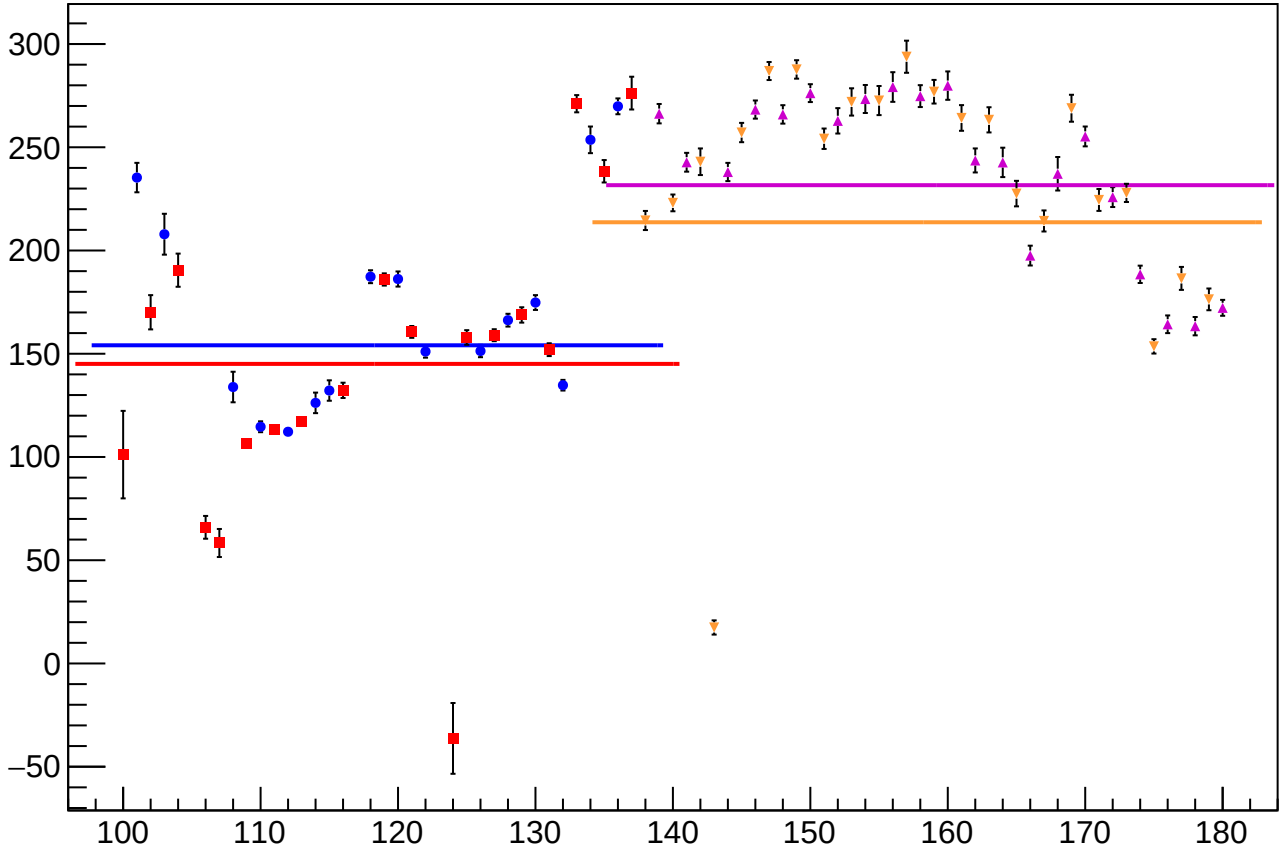
Left In: -145.888+/-0.047 χ^2/NDF:157434.1/20

+ sign -109.459+/-0.038 χ^2/NDF: 2779824.4/37

All: -111.663+/-0.027 χ^2/NDF: 5096422.8/77

- 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: 213.679+/-1.069 χ^2/NDF:4953.8/21

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

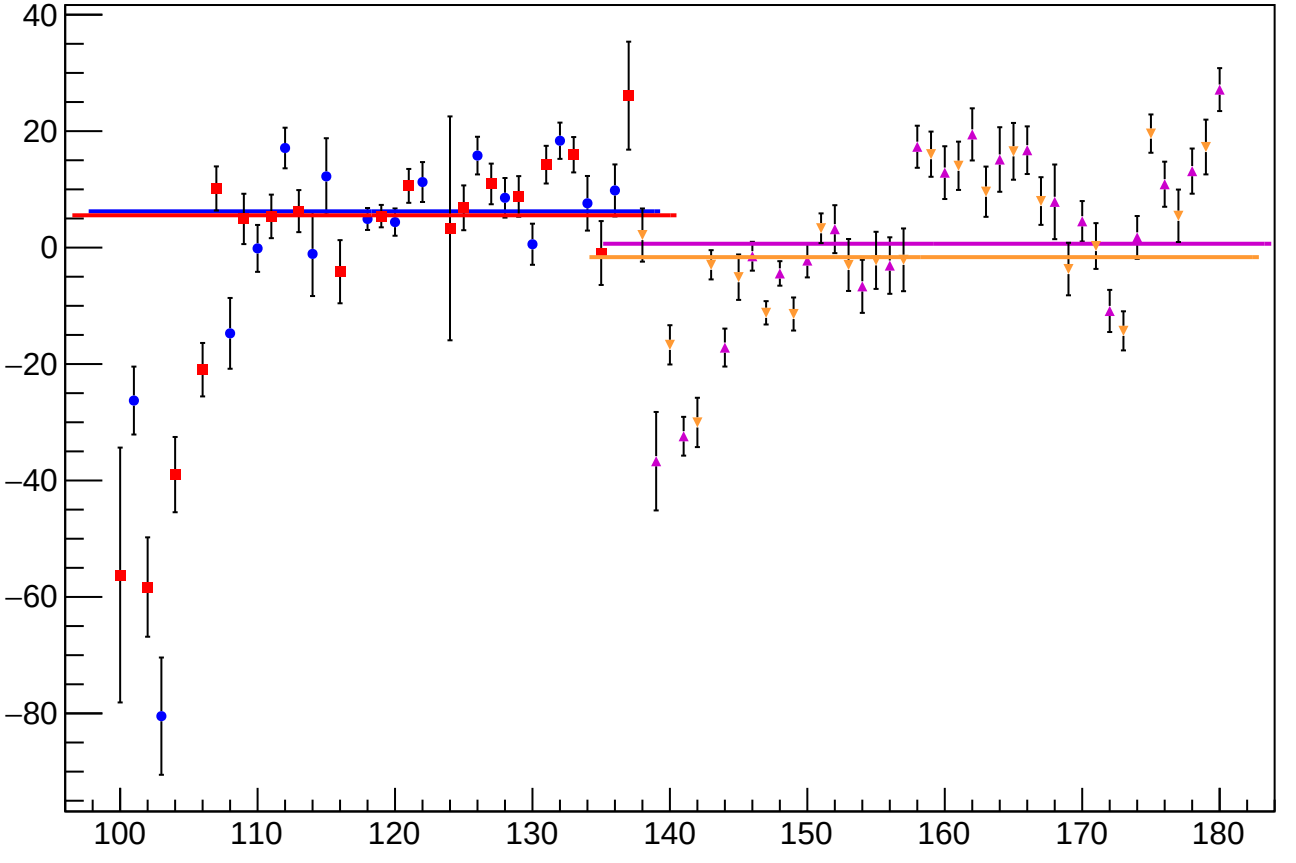
Left In: 231.639+/-1.086 χ^2/NDF:1429.8/20

\+ sign 177.794+/-0.674 χ^2/NDF: 9104.2/37

All: 177.289+/-0.471 χ^2/NDF: 17518.1/77

\- 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: -1.639+/-0.759 χ^2/NDF:241.3/21

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

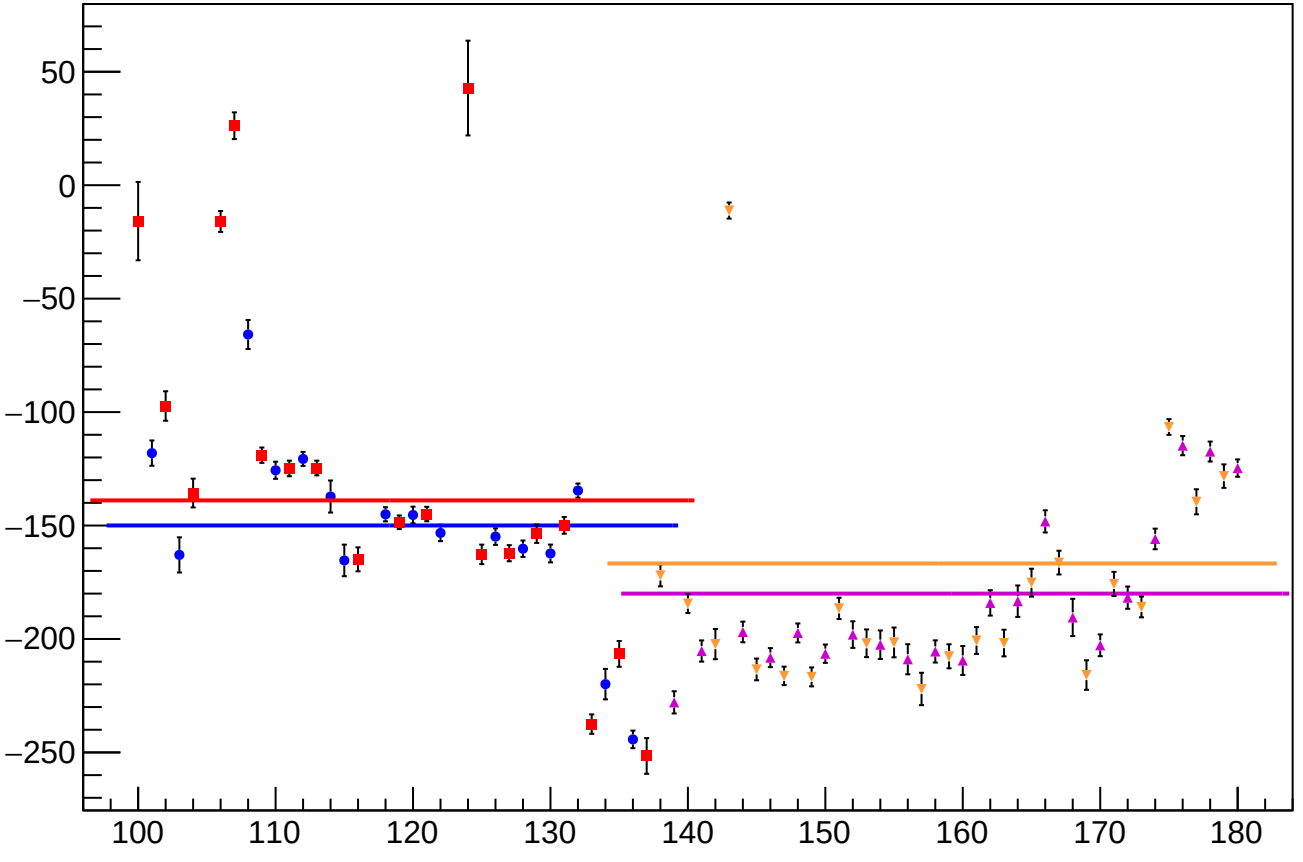
Left In: 0.661+/-0.794 χ^2/NDF:309.1/20

+ sign 1.672+/-0.577 χ^2/NDF: 448.6/37

All: 2.235+/-0.413 χ^2/NDF: 957.6/77

- 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: -166.727+/-1.057 χ^2/NDF:3088.2/21

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

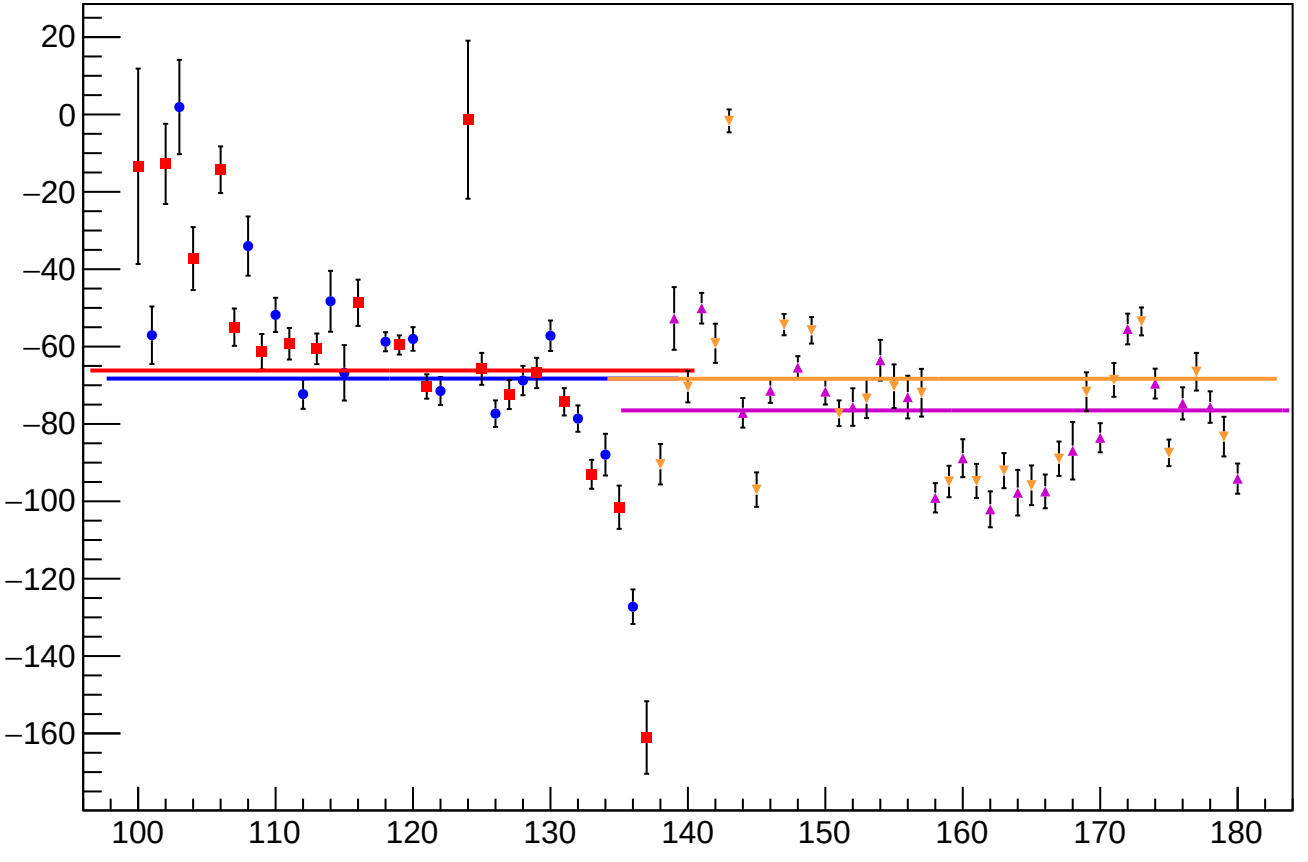
Left In: -179.998+/-1.071 χ^2/NDF:1078.1/20

\+ sign -158.096+/-0.736 χ^2/NDF: 4317.2/37

All: -158.008+/-0.518 χ^2/NDF: 8937.5/77

\- 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: -68.321+/-0.880 χ^2/NDF:830.8/21

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

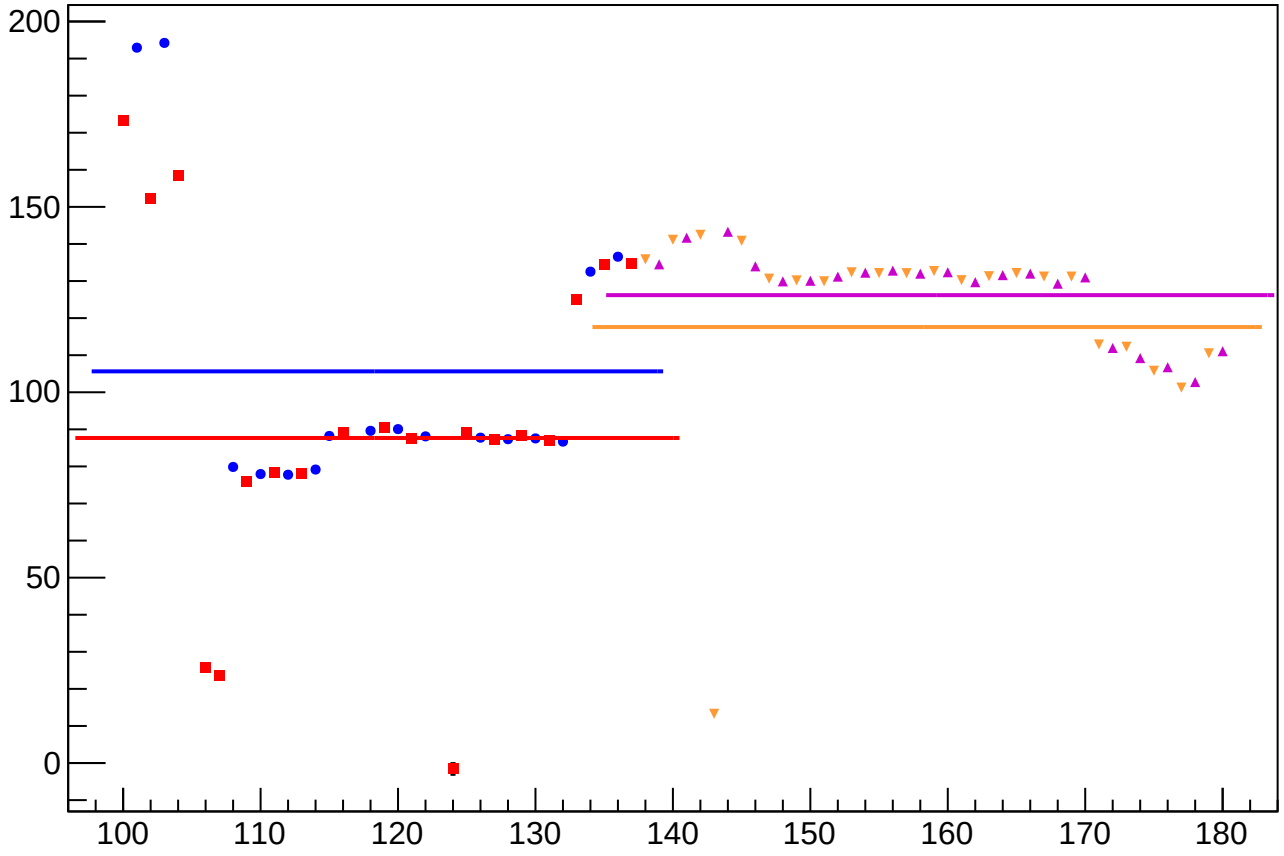
Left In: -76.498+/-0.910 χ^2/NDF:244.1/20

+ sign -68.300+/-0.670 χ^2/NDF: 1146.2/37

All: -70.095+/-0.477 χ^2/NDF: 1819.8/77

- 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: 117.589+/-0.041 χ^2/NDF:621076.0/21

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

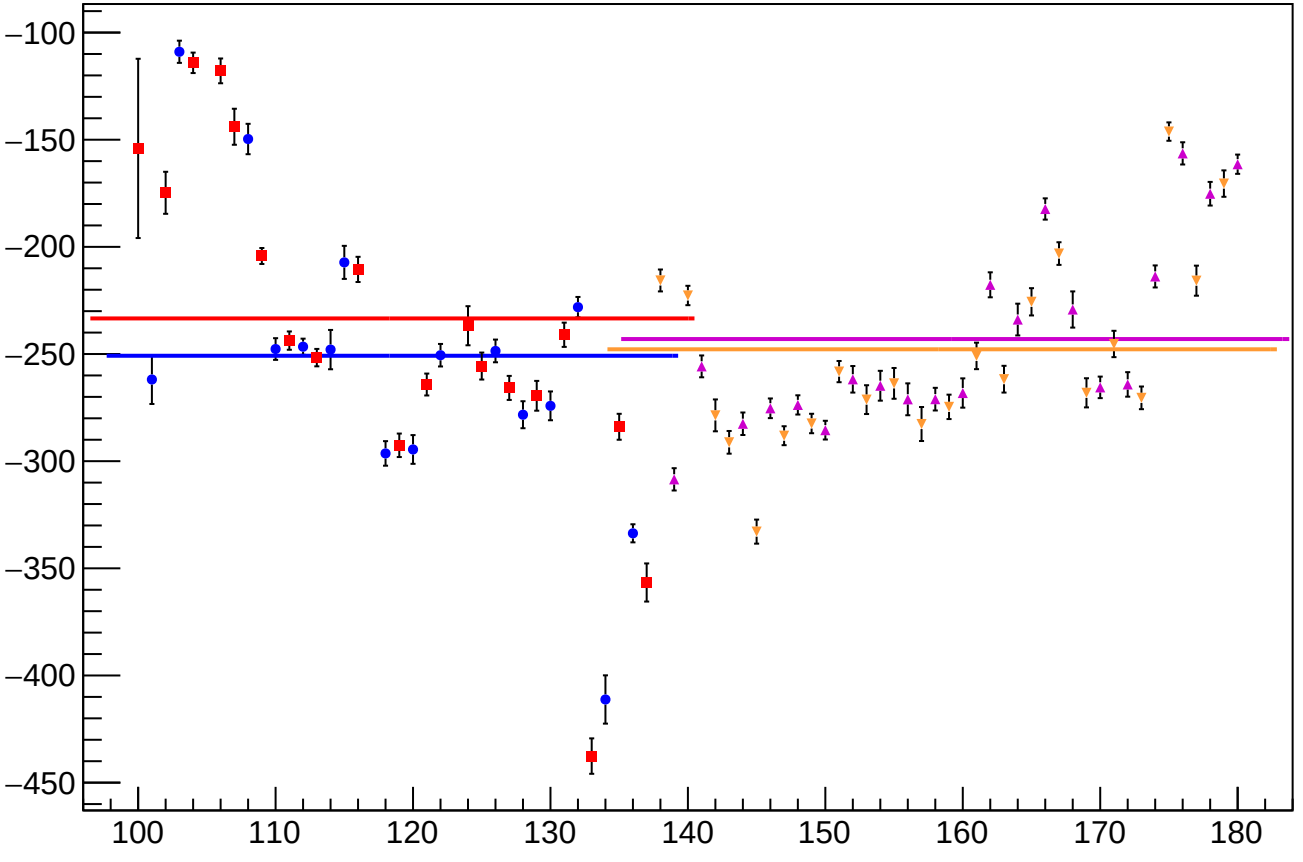
Left In: 126.195+/-0.041 χ^2/NDF:77117.0/20

\+ sign 114.565+/-0.036 χ^2/NDF: 881948.7/37

All: 114.889+/-0.025 χ^2/NDF: 1579908.9/77

\- 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: -247.798+/-1.196 χ^2/NDF:1444.1/21

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

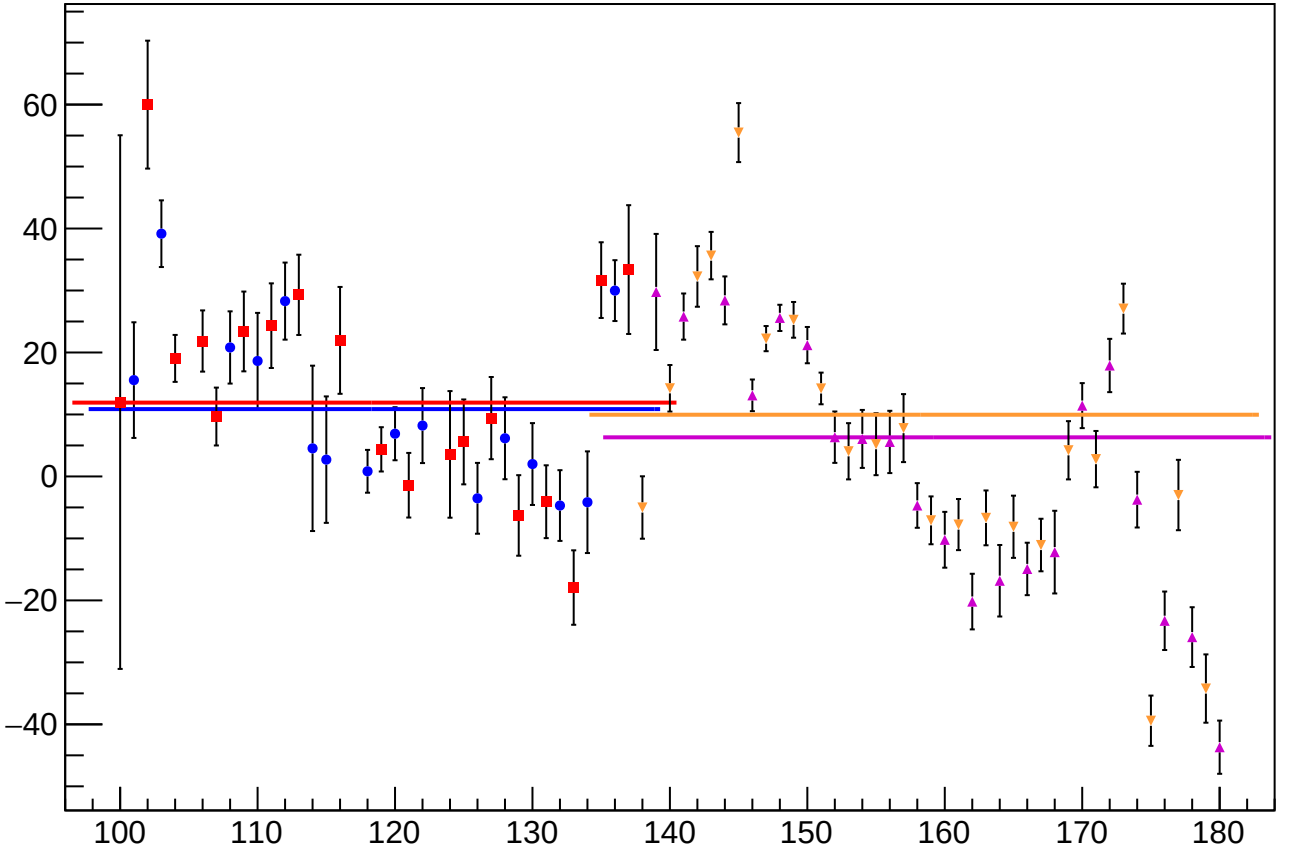
Left In: -243.013+/-1.184 χ^2/NDF:1485.5/20

+ sign -249.030+/-0.920 χ^2/NDF: 3182.4/37

All: -243.706+/-0.638 χ^2/NDF: 7140.1/77

- 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: 9.958+/-0.829 χ^2/NDF:567.0/21

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

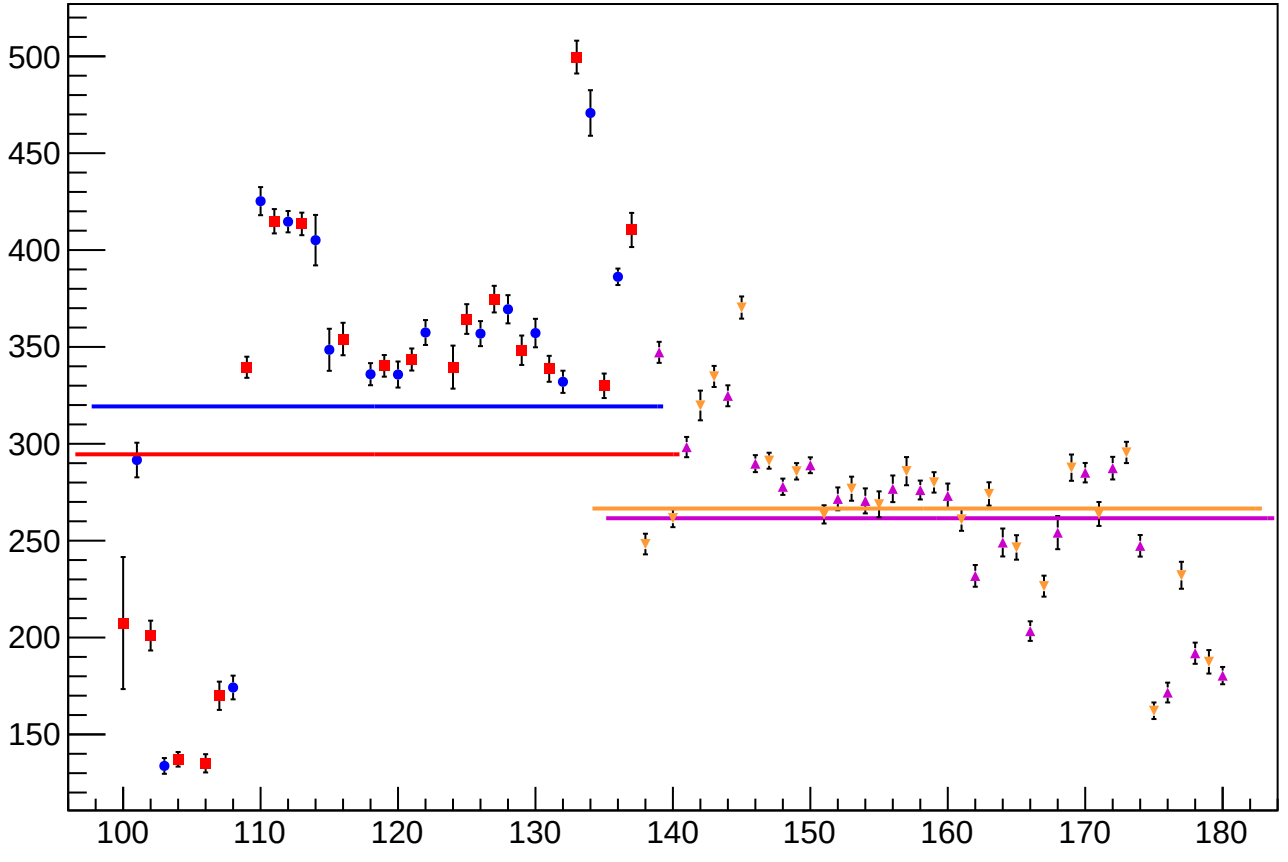
Left In: 6.310+/-0.847 χ^2/NDF:522.8/20

+ sign 10.177+/-0.722 χ^2/NDF: 651.9/37

All: 9.017+/-0.510 χ^2/NDF: 1303.9/77

- 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: 266.590+/-1.174 χ^2/NDF:1514.8/21

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

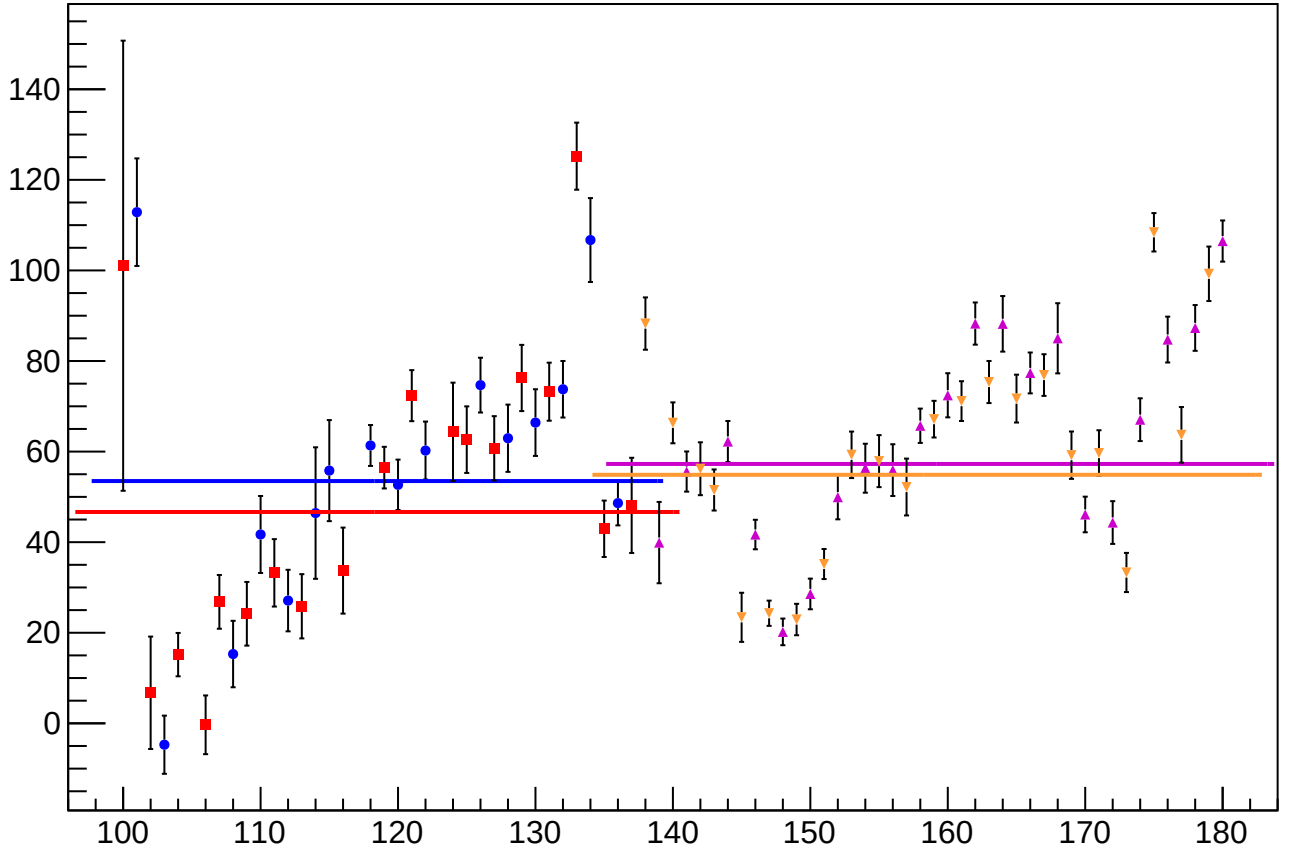
Left In: 261.577+/-1.162 χ^2/NDF:1573.0/20

+ sign 285.254+/-0.944 χ^2/NDF: 6020.9/37

All: 279.519+/-0.657 χ^2/NDF: 13475.6/77

- 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: 54.876+/-0.967 χ^2/NDF:633.9/21

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

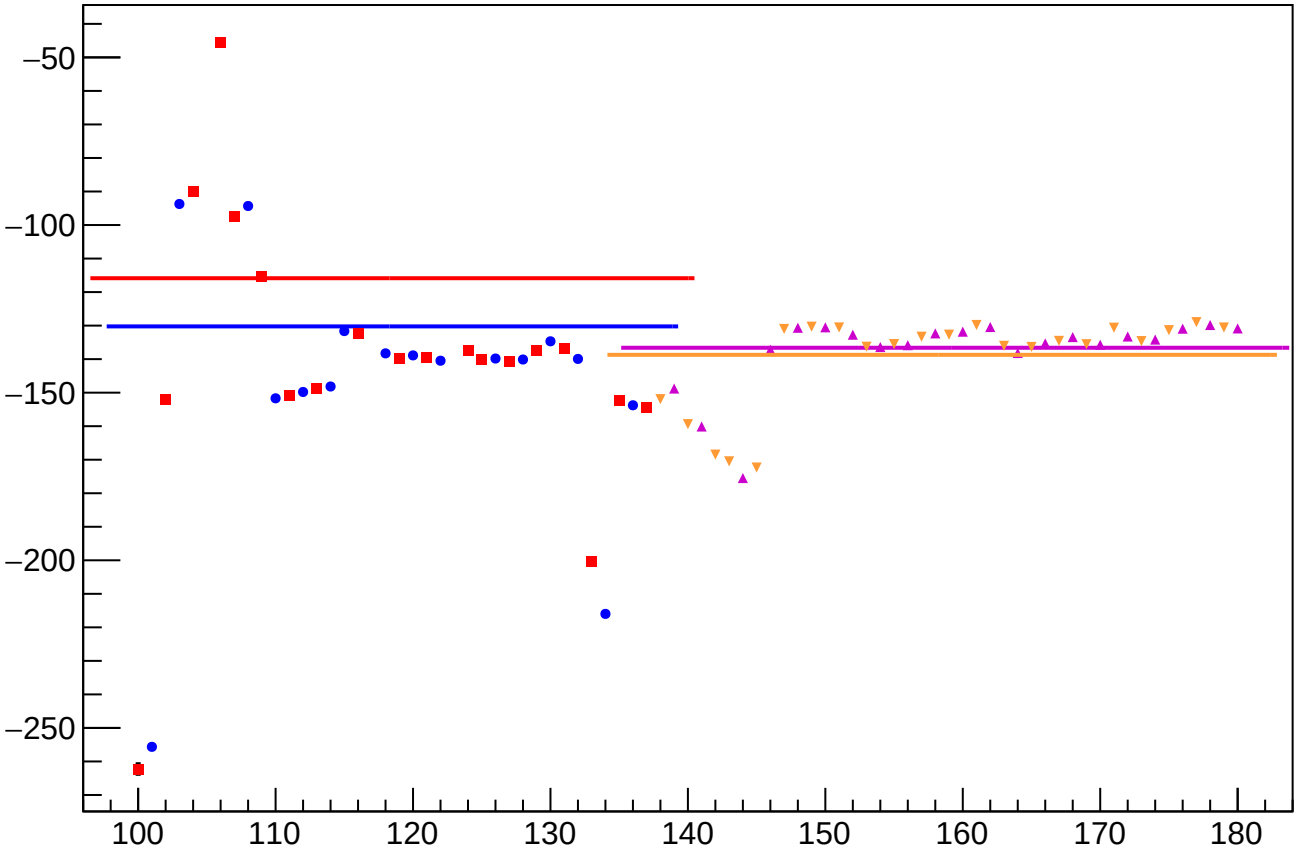
Left In: 57.272+/-0.977 χ^2/NDF:579.7/20

\+ sign 54.538+/-0.841 χ^2/NDF: 851.6/37

All: 54.454+/-0.592 χ^2/NDF: 1789.1/77

\- 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: -138.718+/-0.045 χ^2/NDF:80552.4/21

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

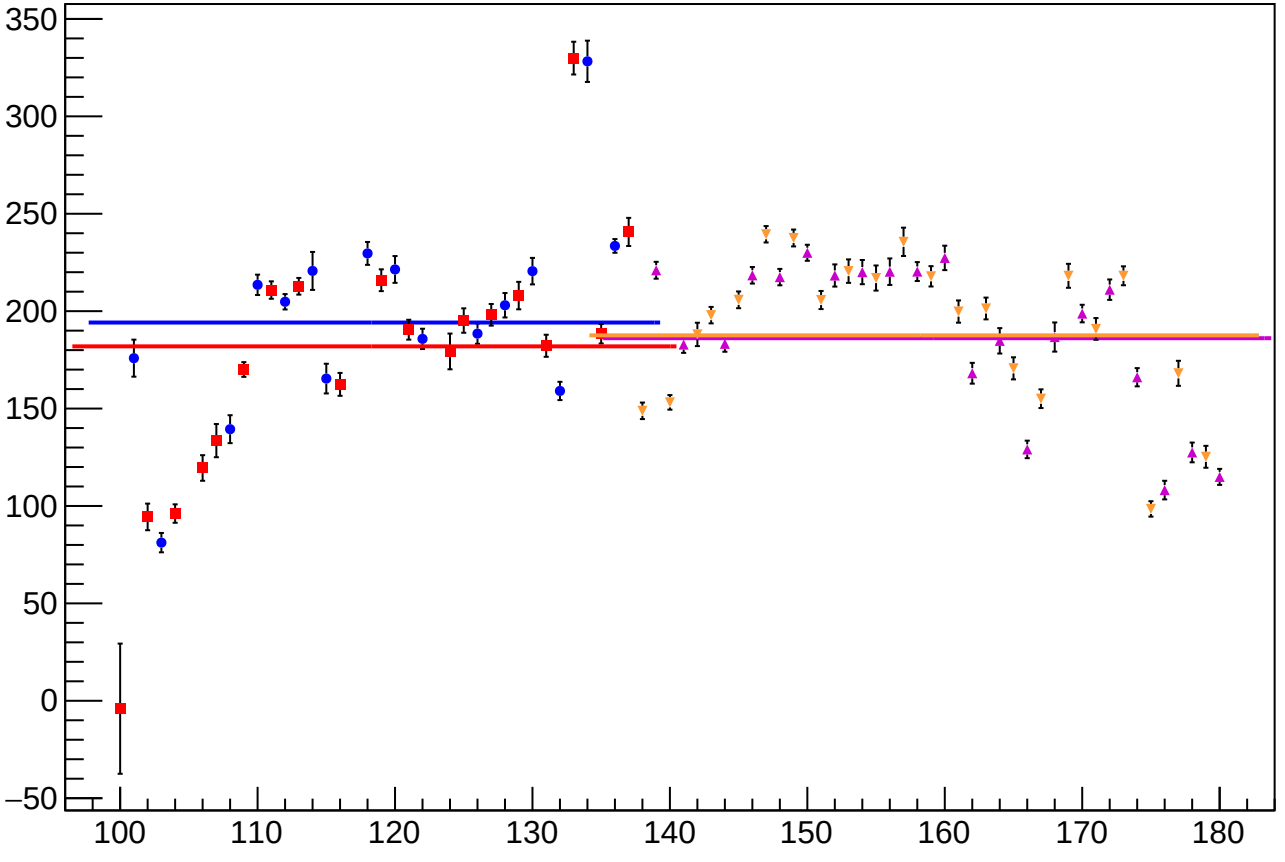
Left In: -136.607+/-0.045 χ^2/NDF:49496.9/20

+ sign -137.024+/-0.041 χ^2/NDF: 261700.6/37

All: -134.531+/-0.028 χ^2/NDF: 570418.1/77

- 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: 187.582+/-1.062 χ^2/NDF:1389.7/21

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

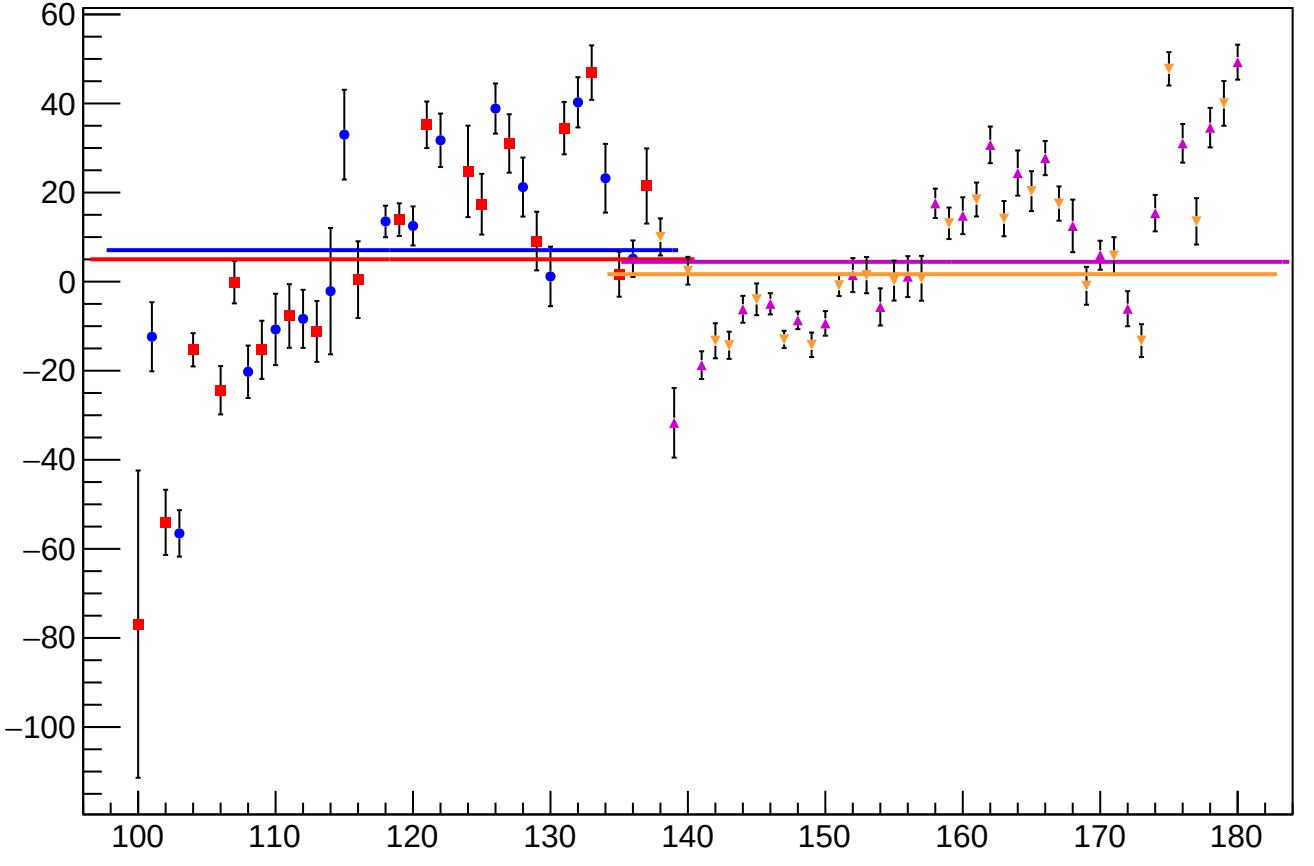
Left In: 186.114+/-1.063 χ^2/NDF:1394.7/20

+ sign 189.973+/-0.848 χ^2/NDF: 2438.8/37

All: 187.158+/-0.592 χ^2/NDF: 5066.0/77

- 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: 1.674+/-0.746 χ^2/NDF:447.1/21

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

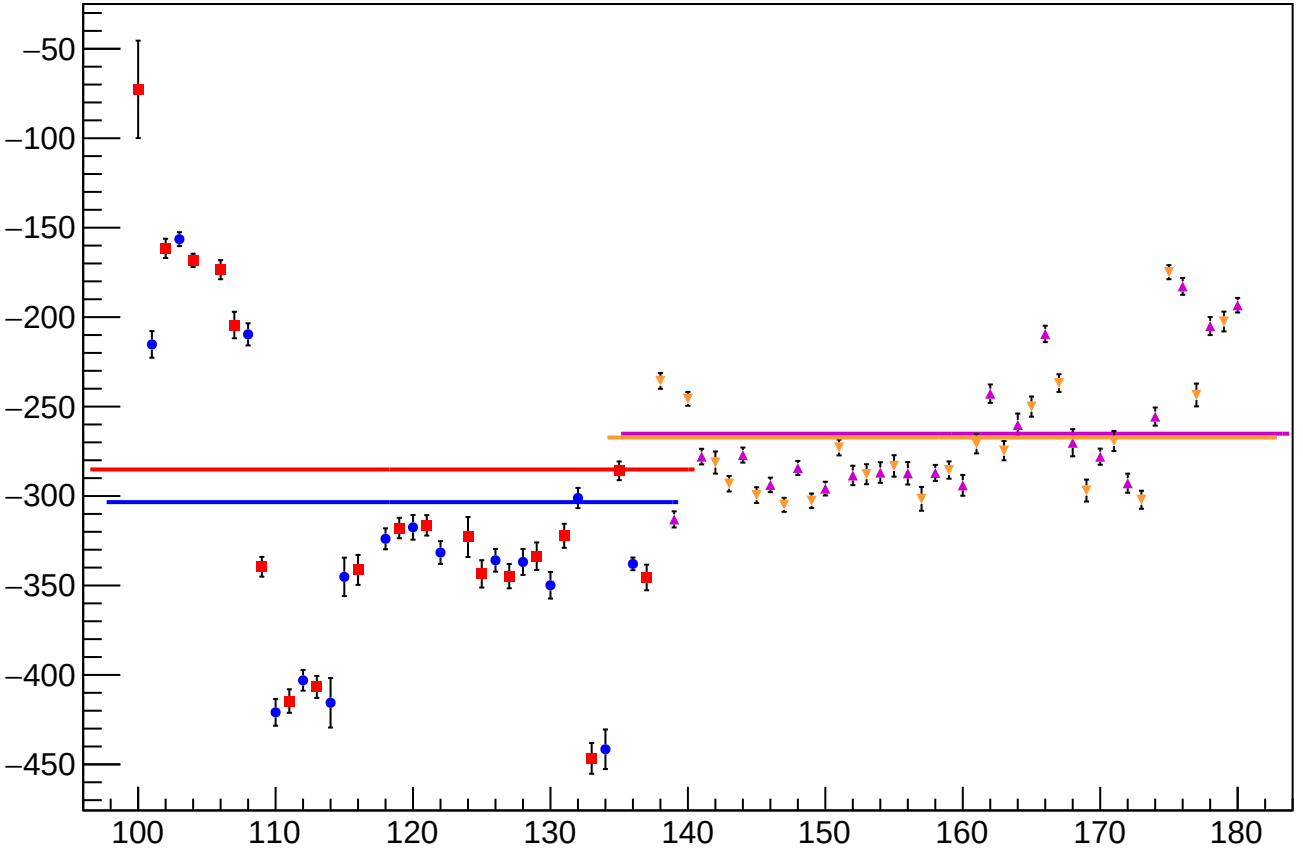
Left In: 4.446+/-0.767 χ^2/NDF:526.9/20

+ sign 2.812+/-0.663 χ^2/NDF: 750.7/37

All: 3.691+/-0.470 χ^2/NDF: 1569.8/77

- 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: -267.294+/-1.047 χ^2/NDF:1228.7/21

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

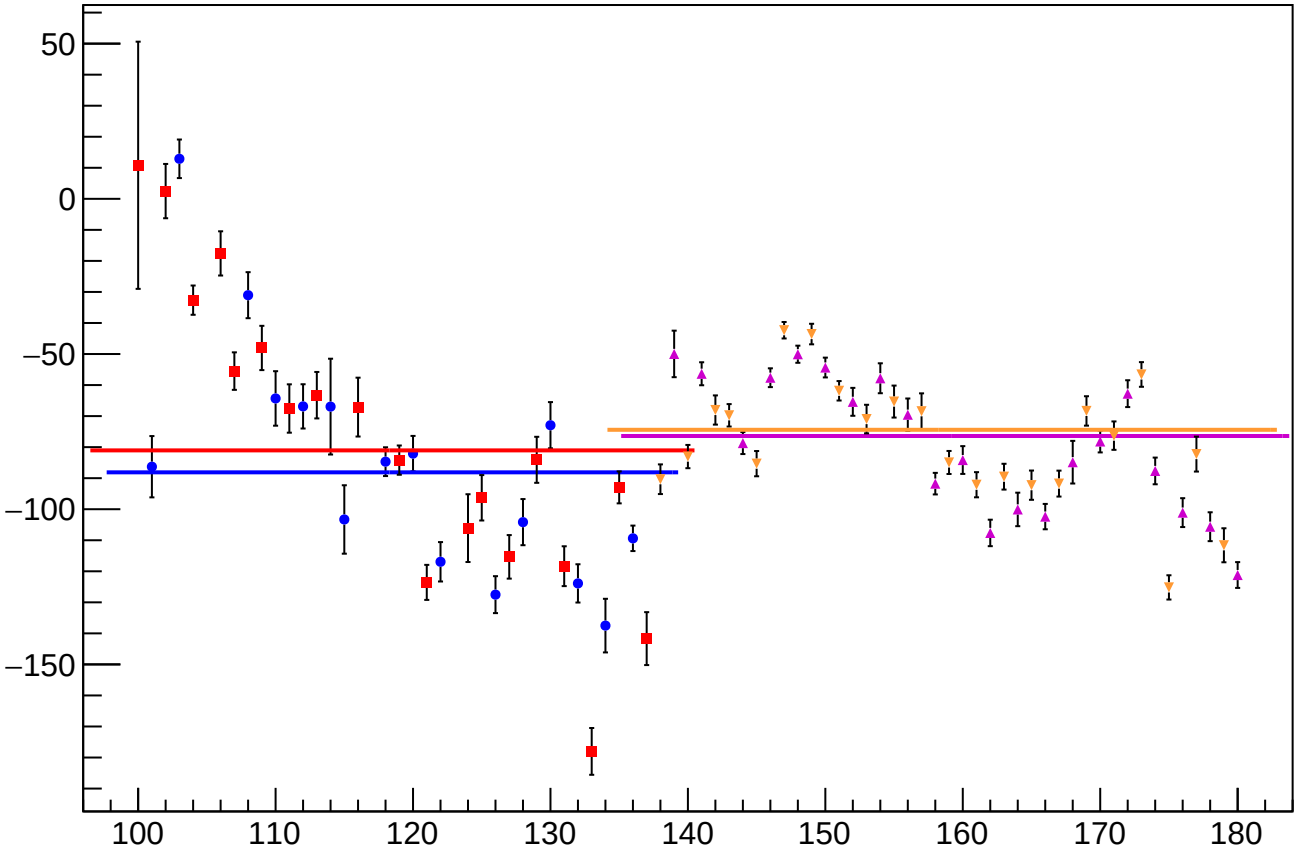
Left In: -265.149+/-1.045 χ^2/NDF:1324.4/20

+ sign -278.814+/-0.864 χ^2/NDF: 4393.6/37

All: -275.334+/-0.605 χ^2/NDF: 9629.8/77

- 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: -74.411+/-0.868 χ^2/NDF:591.6/21

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

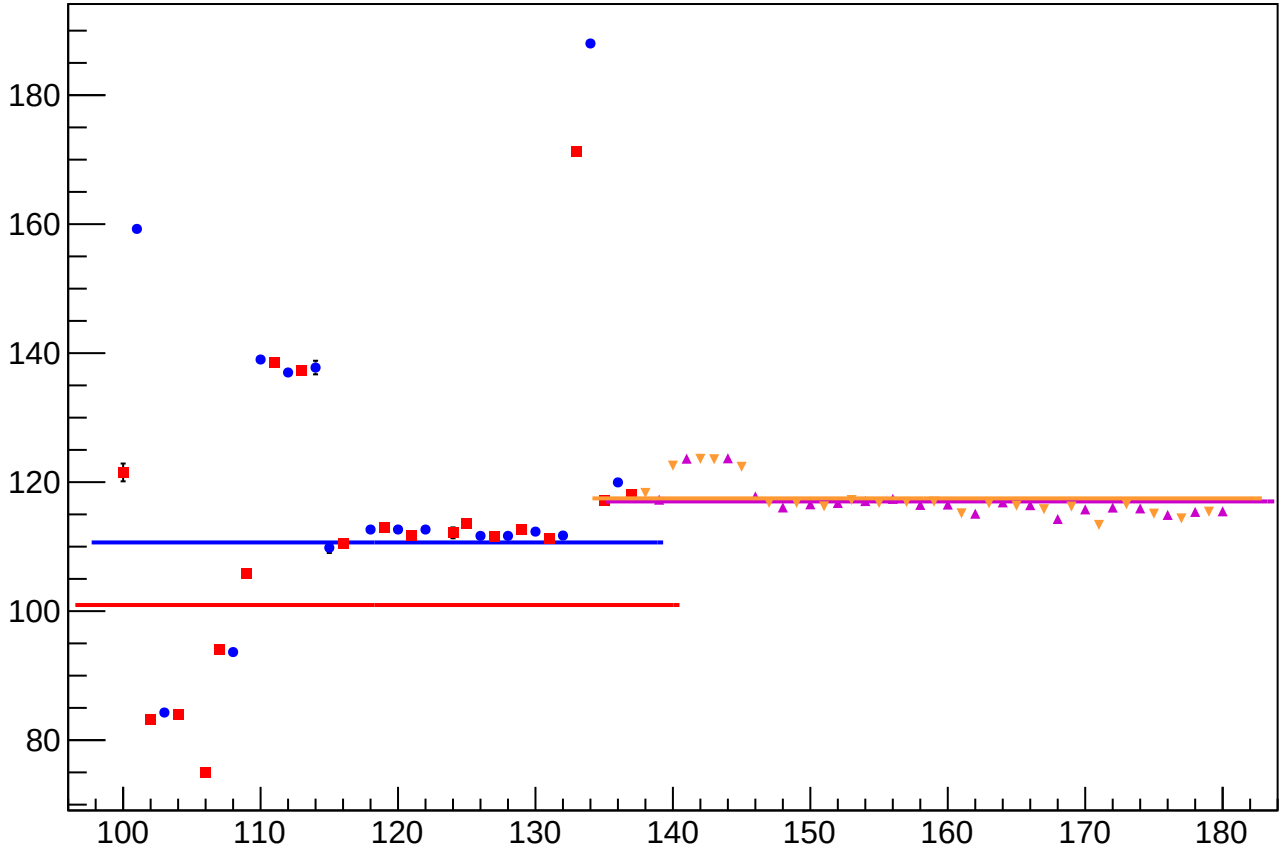
Left In: -76.411+/-0.884 χ^2/NDF:580.3/20

+ sign -77.369+/-0.769 χ^2/NDF: 1157.3/37

All: -77.449+/-0.544 χ^2/NDF: 2421.8/77

- 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: 117.485+/-0.041 χ^2/NDF:4727.9/21

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

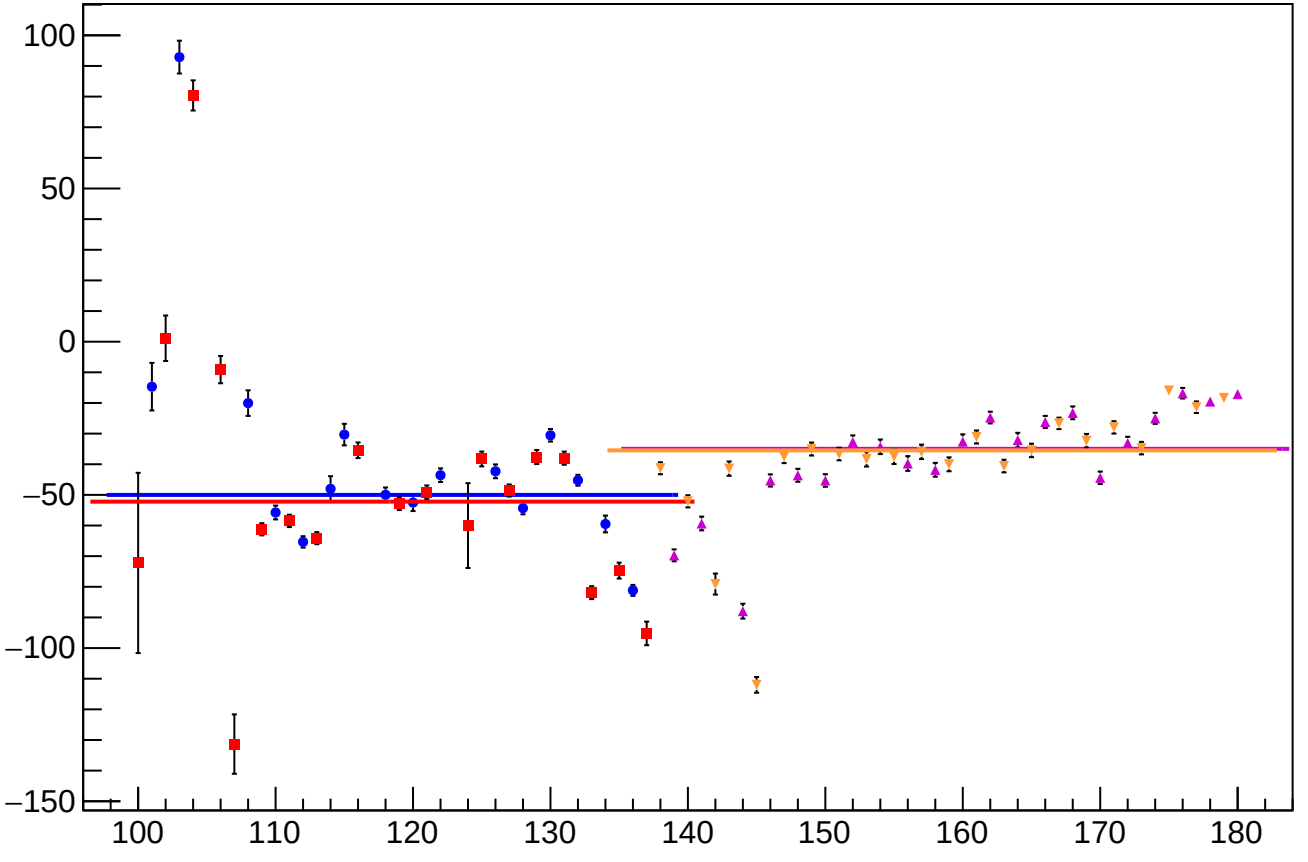
Left In: 117.009+/-0.040 χ^2/NDF:3296.2/20

+ sign 116.234+/-0.037 χ^2/NDF: 93430.8/37

All: 115.006+/-0.026 χ^2/NDF: 192457.8/77

- 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: -35.469+/-0.443 χ^2/NDF:1533.6/21

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

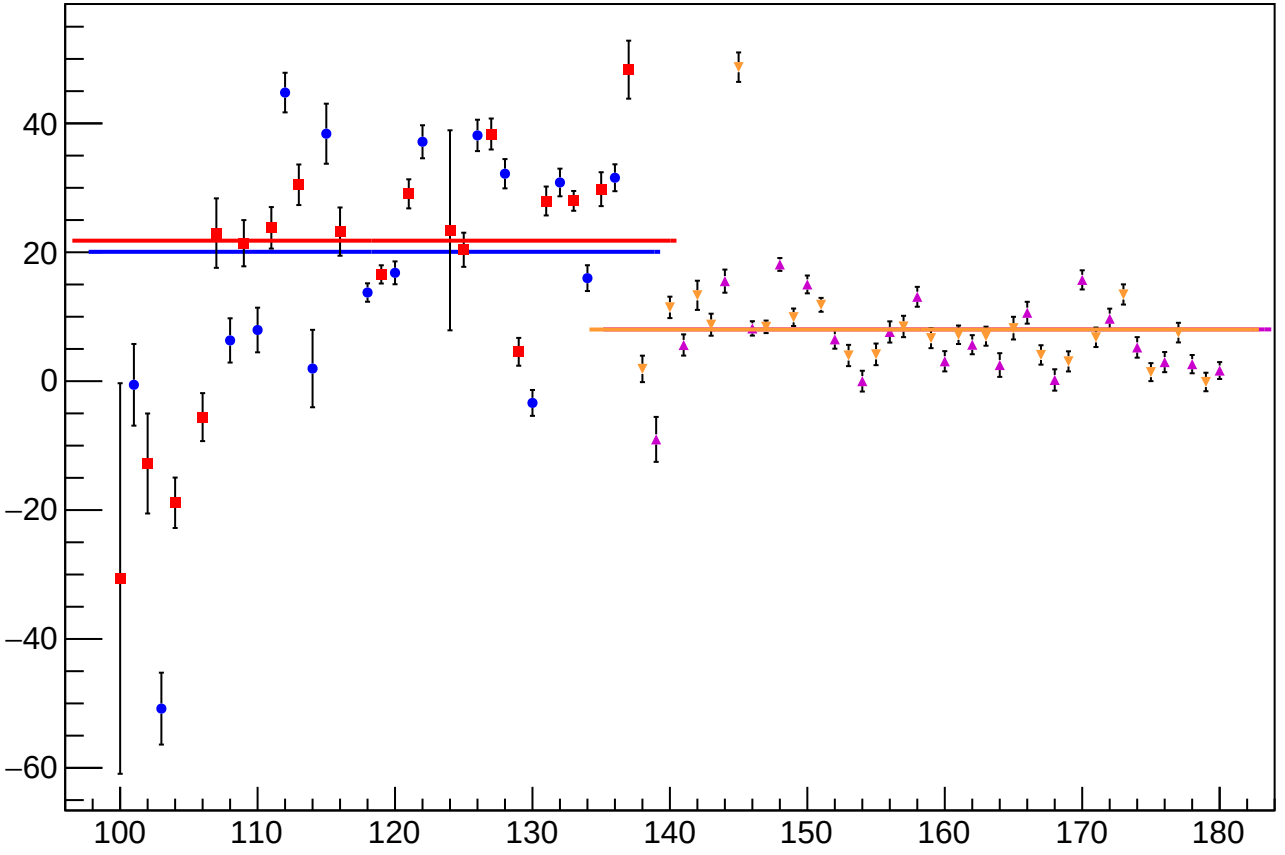
Left In: -34.968+/-0.436 χ^2/NDF:1507.0/20

\+ sign -40.496+/-0.359 χ^2/NDF: 3232.6/37

All: -40.679+/-0.252 χ^2/NDF: 6844.9/77

\- 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: 8.015+/-0.321 χ^2/NDF:448.0/21

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

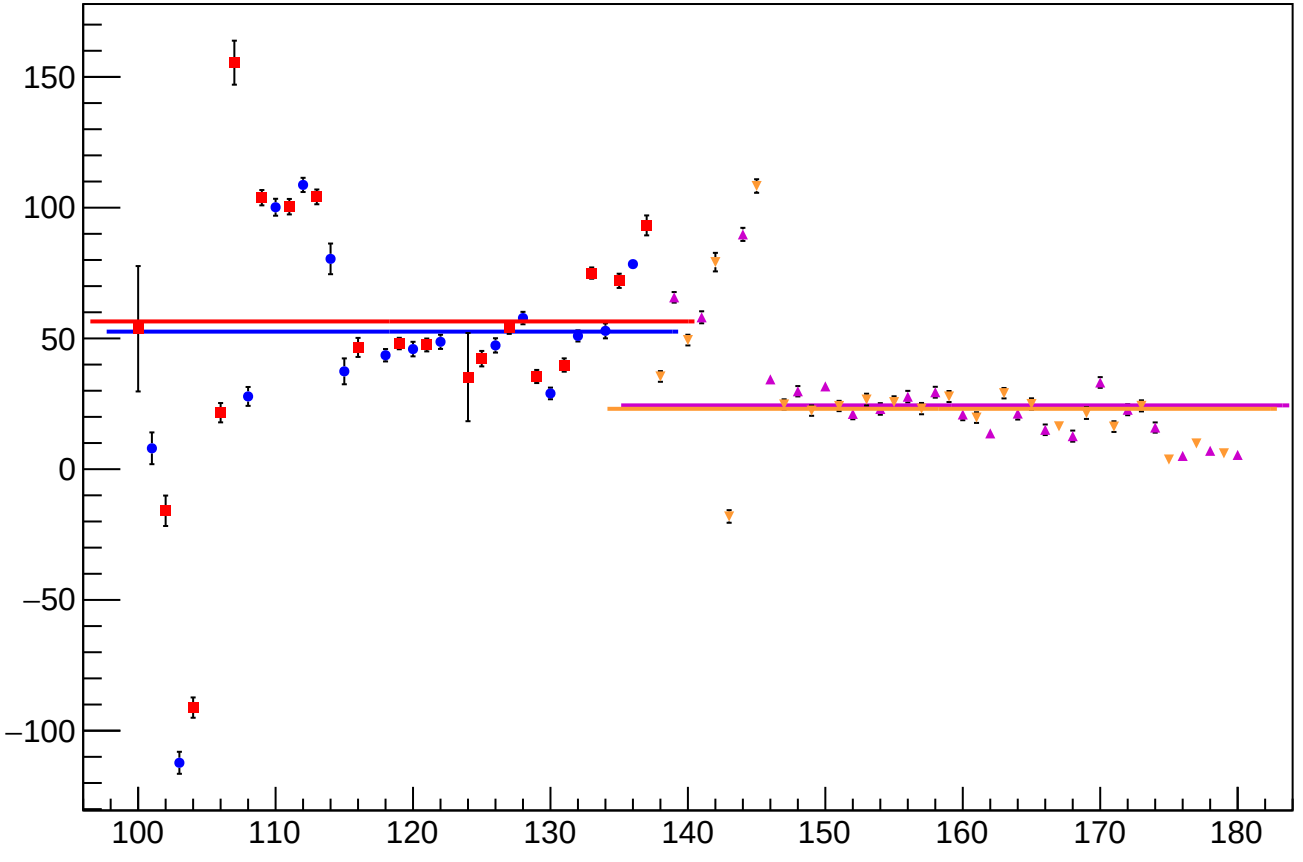
Left In: 8.033+/-0.327 χ^2/NDF:333.8/20

\+ sign 10.619+/-0.284 χ^2/NDF: 1388.6/37

All: 10.812+/-0.203 χ^2/NDF: 2503.5/77

\- 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: 23.087+/-0.436 χ^2/NDF:2209.1/21

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

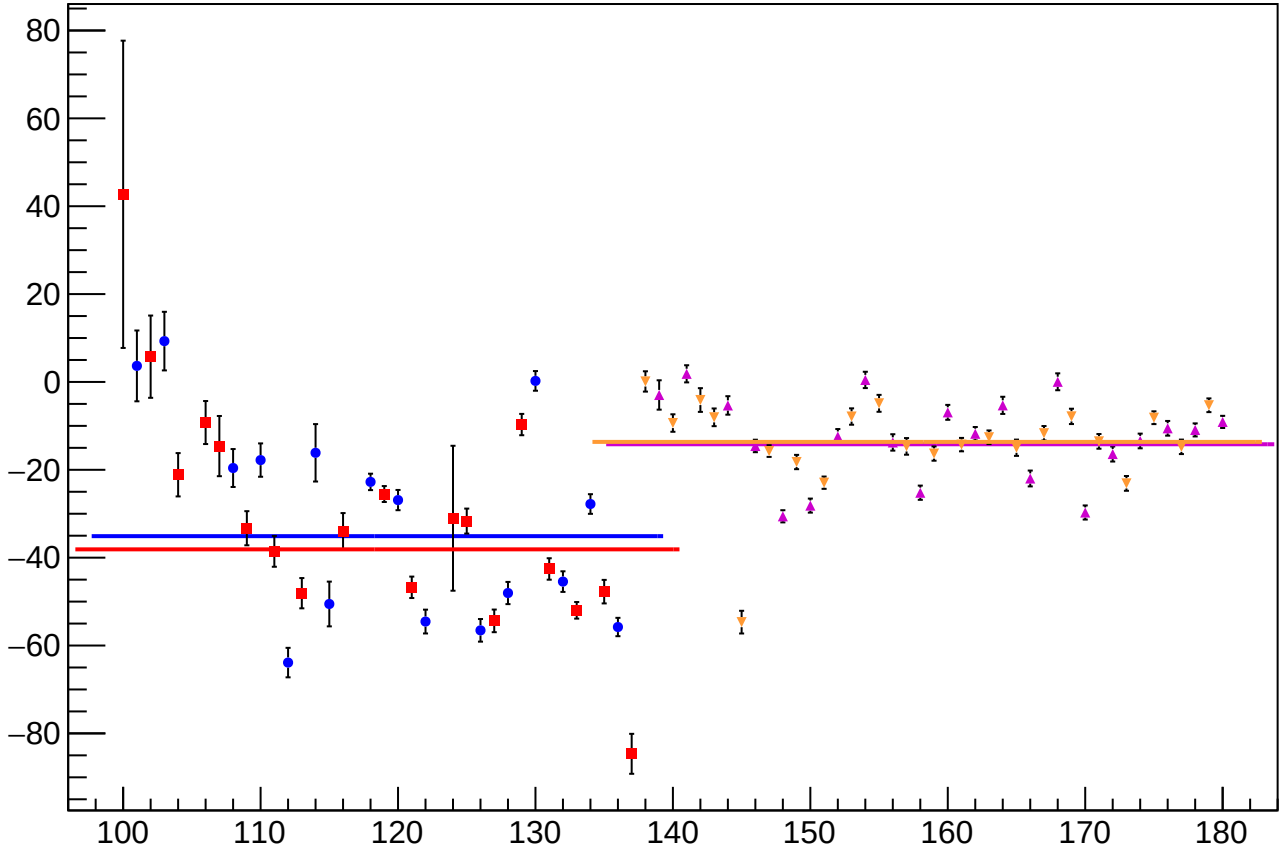
Left In: 24.398+/-0.429 χ^2/NDF:1946.7/20

+ sign 31.389+/-0.369 χ^2/NDF: 6160.0/37

All: 32.228+/-0.260 χ^2/NDF: 12594.9/77

- 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: -13.646+/-0.367 χ^2/NDF:488.7/21

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

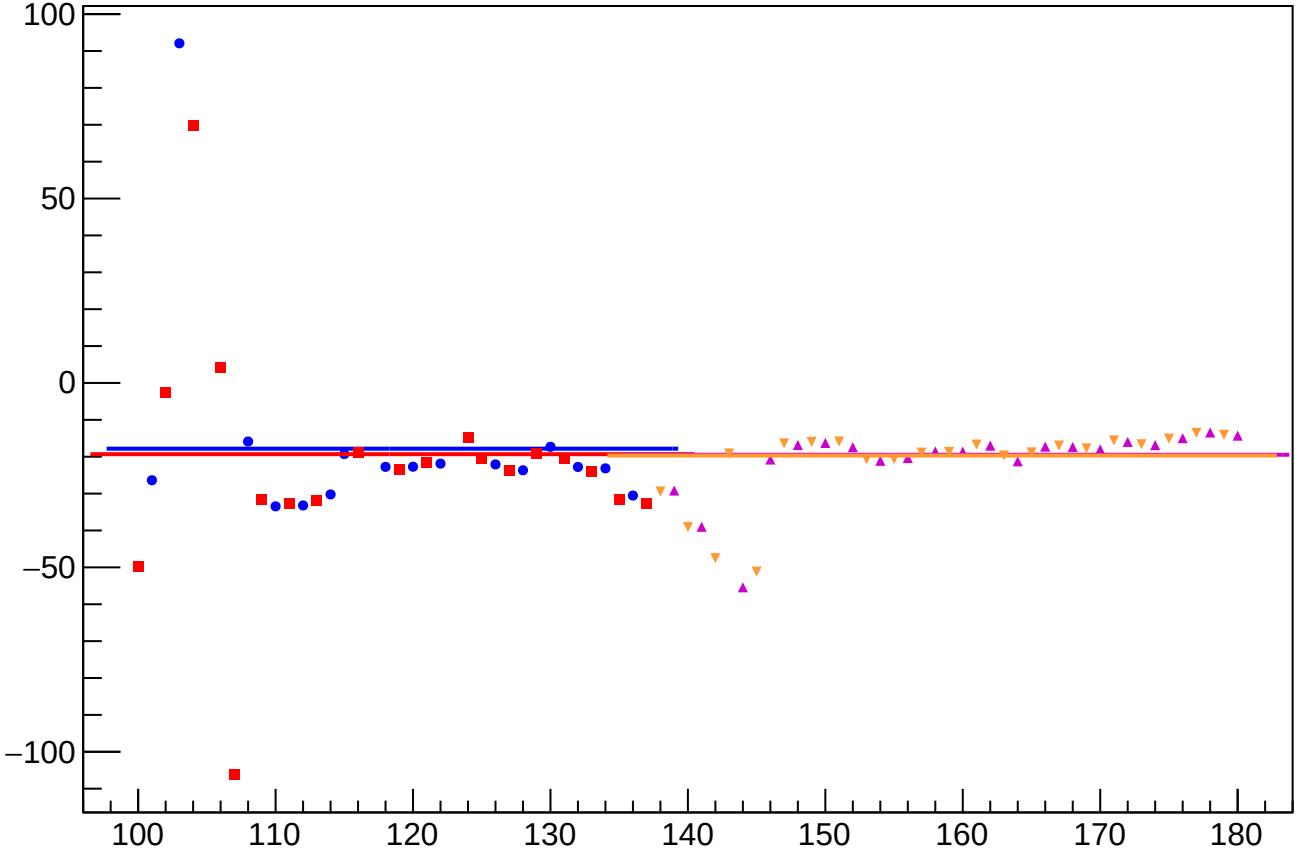
Left In: -14.186+/-0.370 χ^2/NDF:655.1/20

+ sign -18.265+/-0.325 χ^2/NDF: 1999.1/37

All: -18.752+/-0.231 χ^2/NDF: 4058.7/77

- 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: -19.687+/-0.017 χ^2/NDF:226821.4/21

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

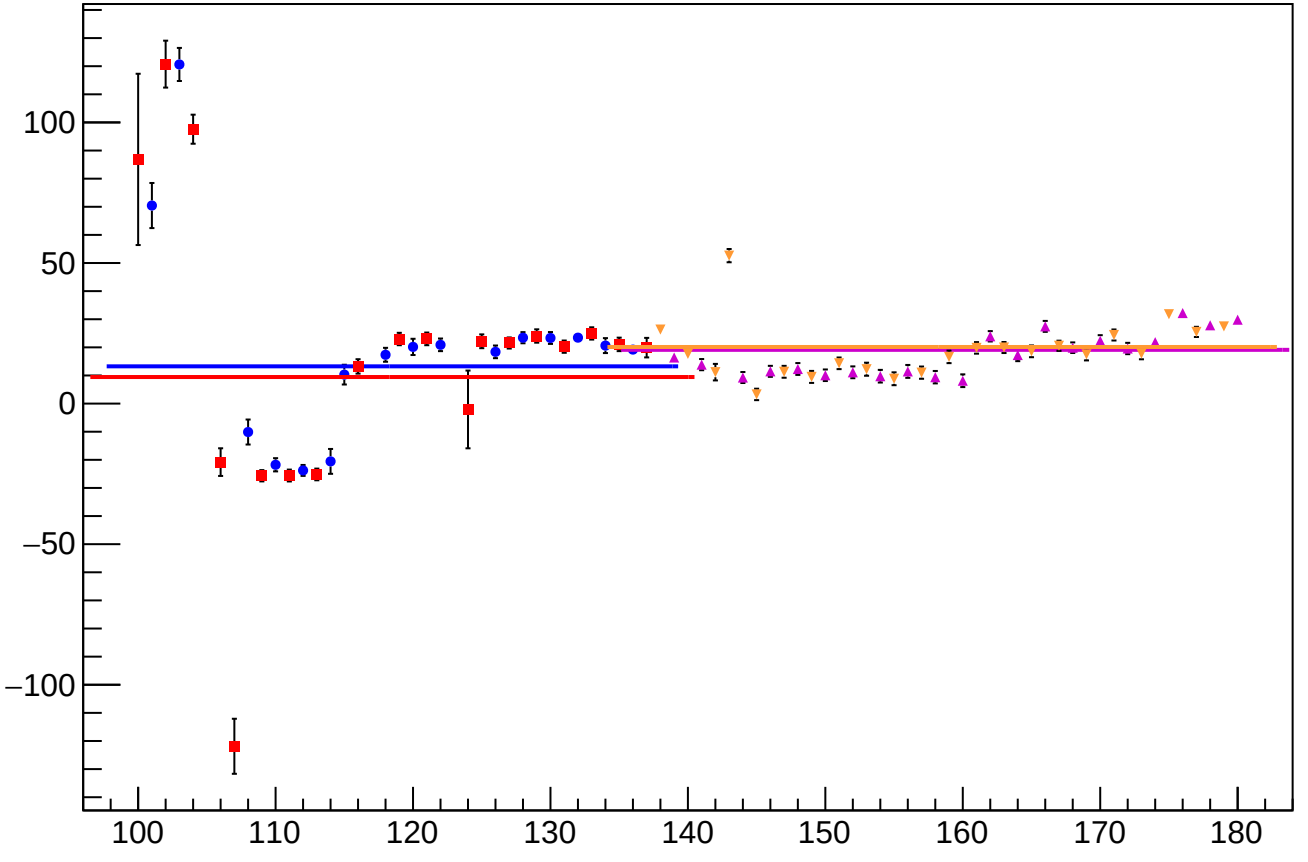
Left In: -19.464+/-0.016 χ^2/NDF:194050.8/20

+ sign -19.447+/-0.015 χ^2/NDF: 654557.0/37

All: -19.447+/-0.011 χ^2/NDF: 1193244.3/77

- 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: 20.134+/-0.422 χ^2/NDF:493.3/21

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

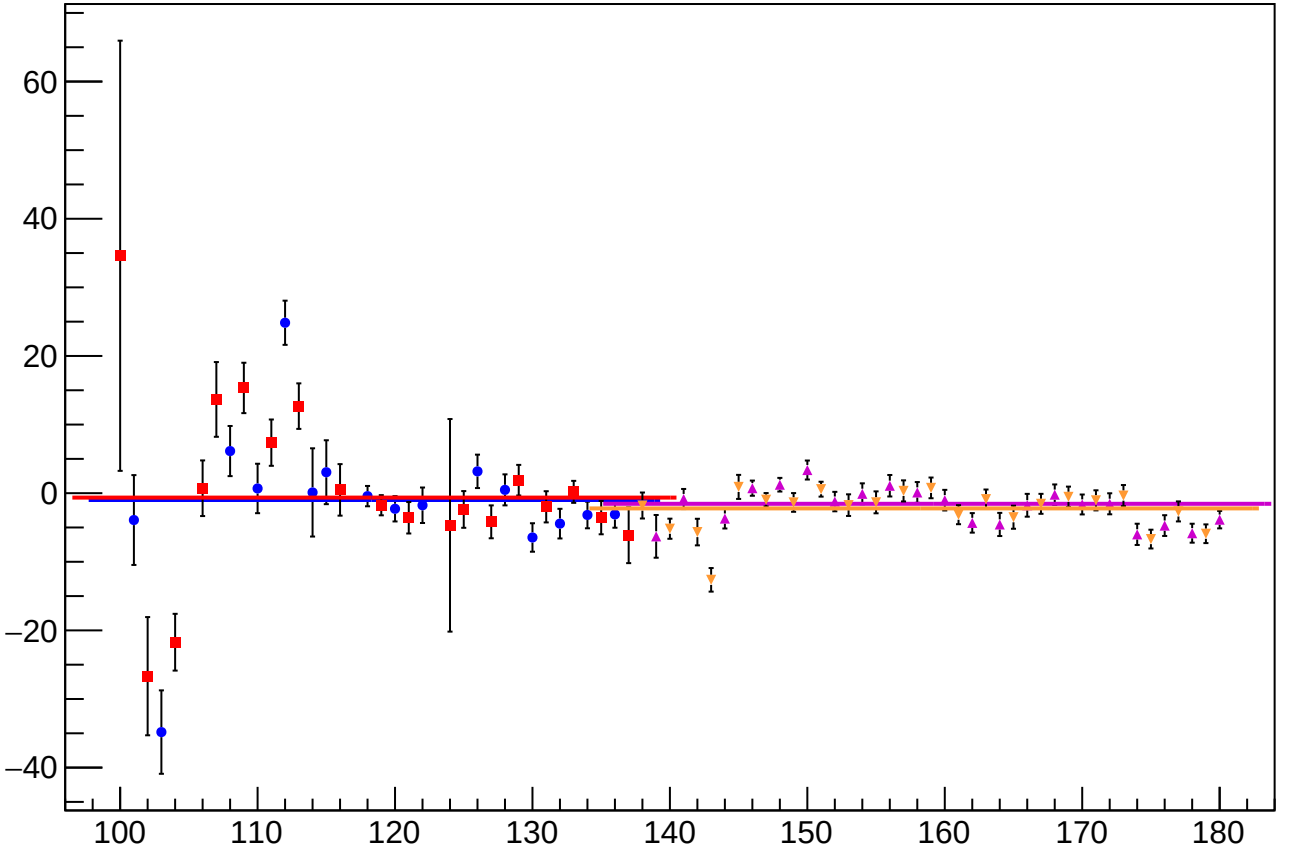
Left In: 19.117+/-0.415 χ^2/NDF:355.8/20

+ sign 17.928+/-0.348 χ^2/NDF: 1761.0/37

All: 17.000+/-0.245 χ^2/NDF: 4137.3/77

- 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: -2.220+/-0.309 χ^2/NDF:86.7/21

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

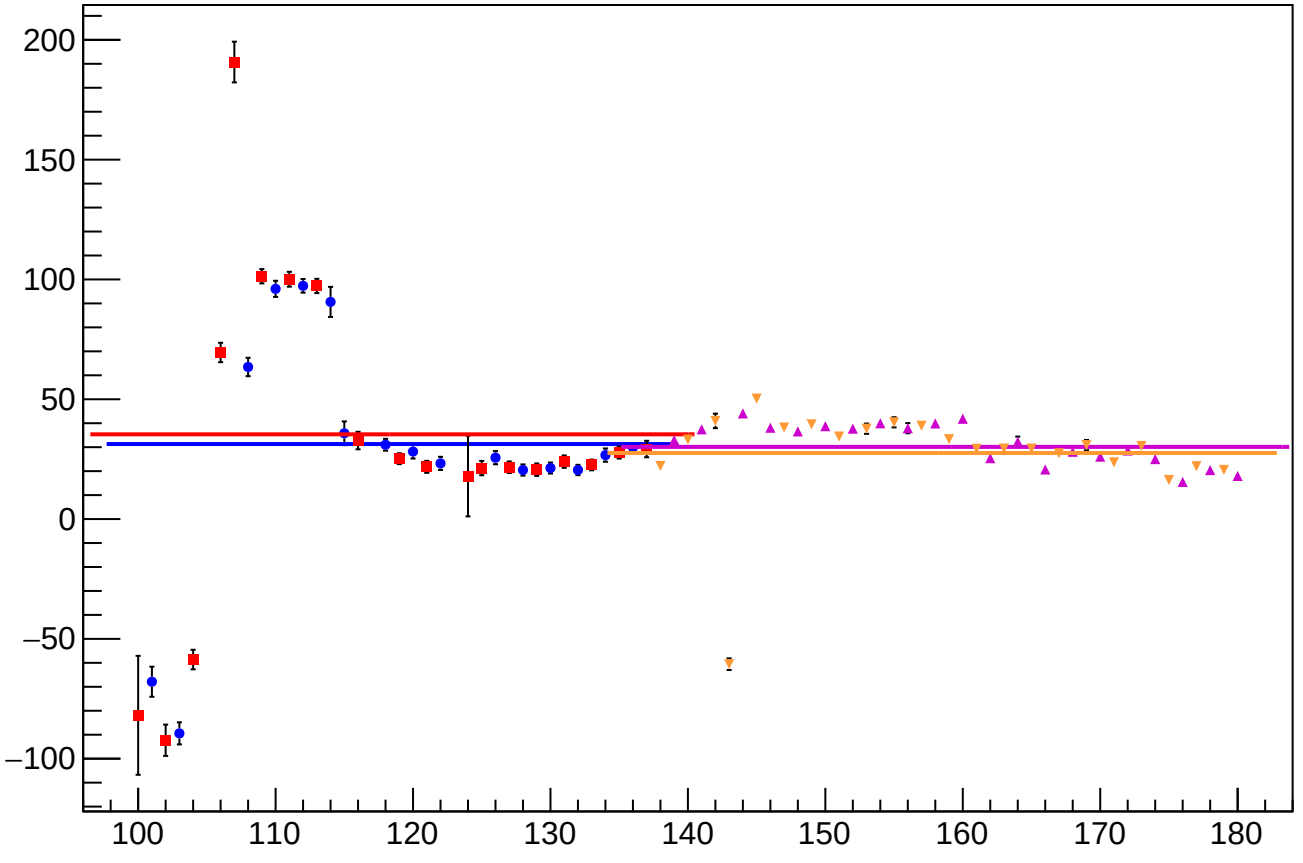
Left In: -1.549+/-0.314 χ^2/NDF:68.0/20

\+ sign -1.976+/-0.276 χ^2/NDF: 206.1/37

All: -1.680+/-0.197 χ^2/NDF: 372.4/77

\- 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: 27.582+/-0.415 χ^2/NDF:1755.9/21

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

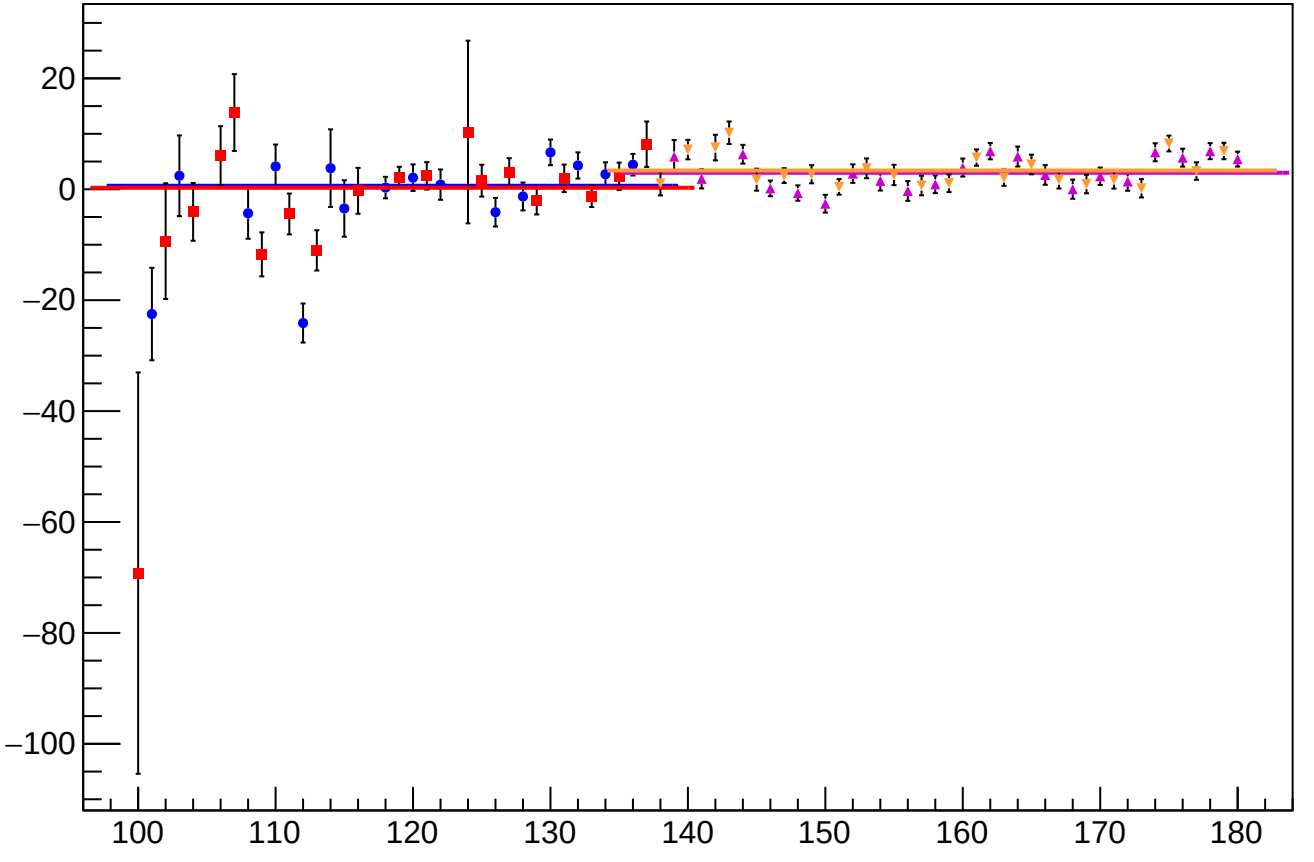
Left In: 30.123+/-0.409 χ^2/NDF:465.0/20

\+ sign 28.552+/-0.357 χ^2/NDF: 3862.8/37

All: 29.989+/-0.252 χ^2/NDF: 7297.9/77

\- 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: 3.384+/-0.352 χ^2/NDF:59.8/21

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

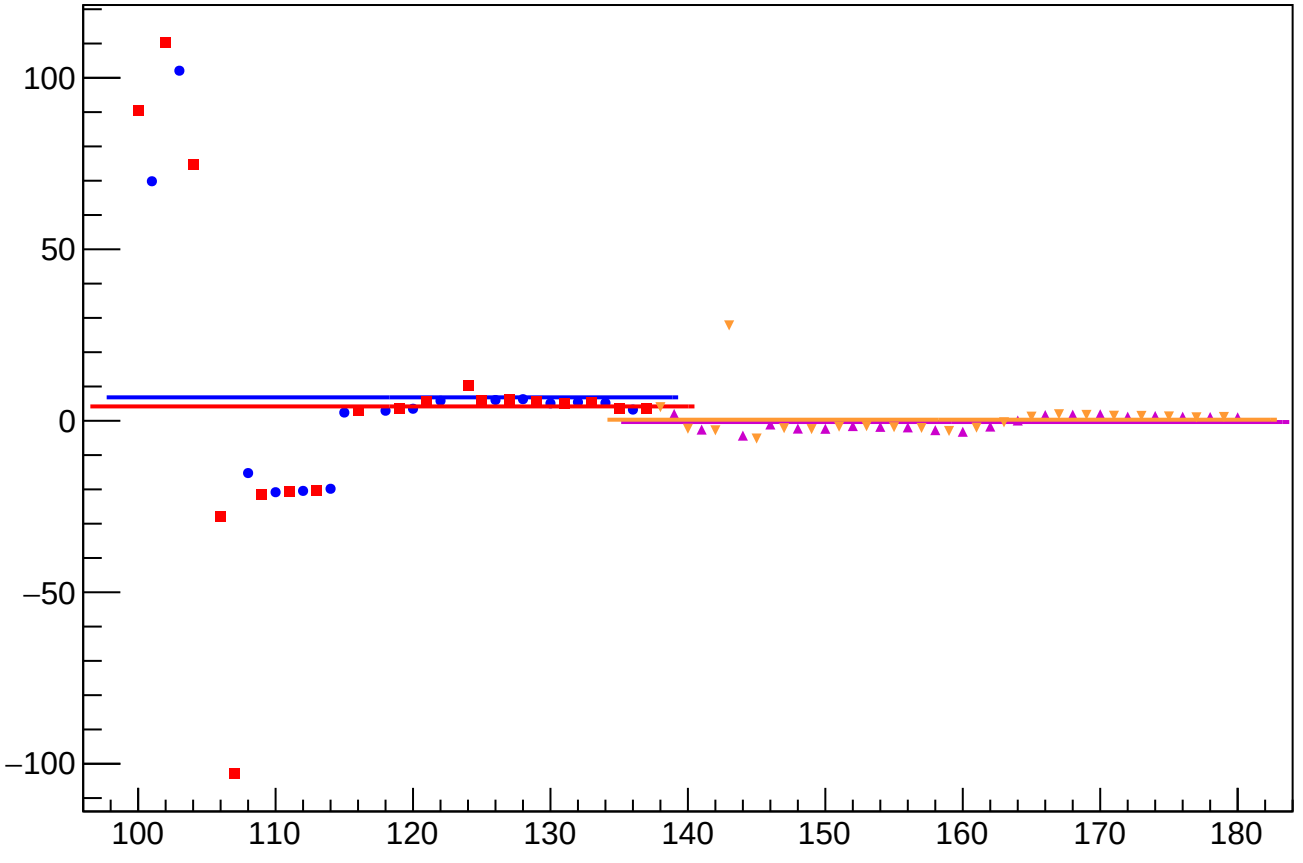
Left In: 2.978+/-0.354 χ^2/NDF:66.9/20

+ sign 2.835+/-0.315 χ^2/NDF: 150.4/37

All: 2.649+/-0.224 χ^2/NDF: 269.6/77

- 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: 0.318+/-0.016 χ^2/NDF:94126.4/21

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

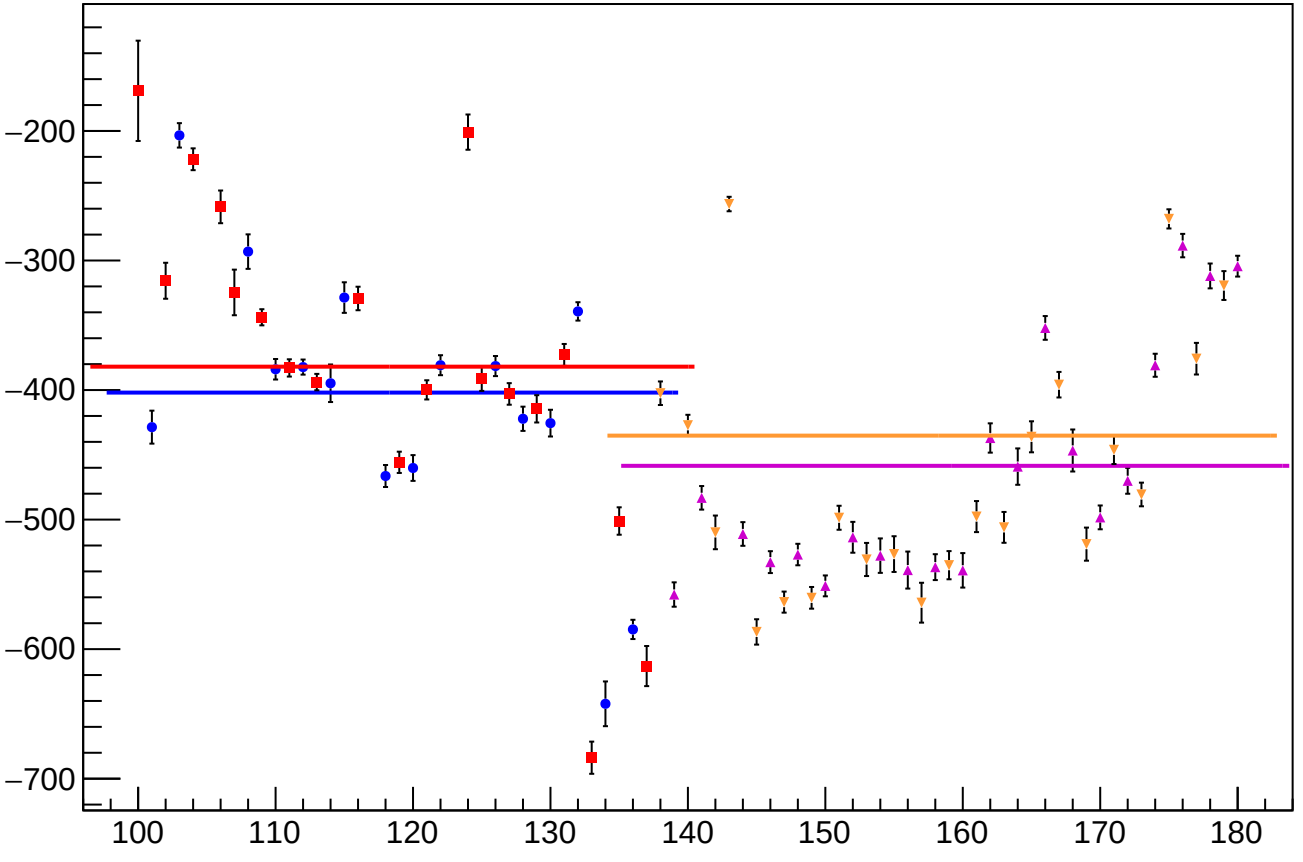
Left In: -0.359+/-0.016 χ^2/NDF:14962.0/20

+ sign 1.099+/-0.015 χ^2/NDF: 435465.4/37

All: 0.602+/-0.010 χ^2/NDF: 895883.4/77

- 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: -435.183+/-2.078 χ^2/NDF:2875.3/21

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

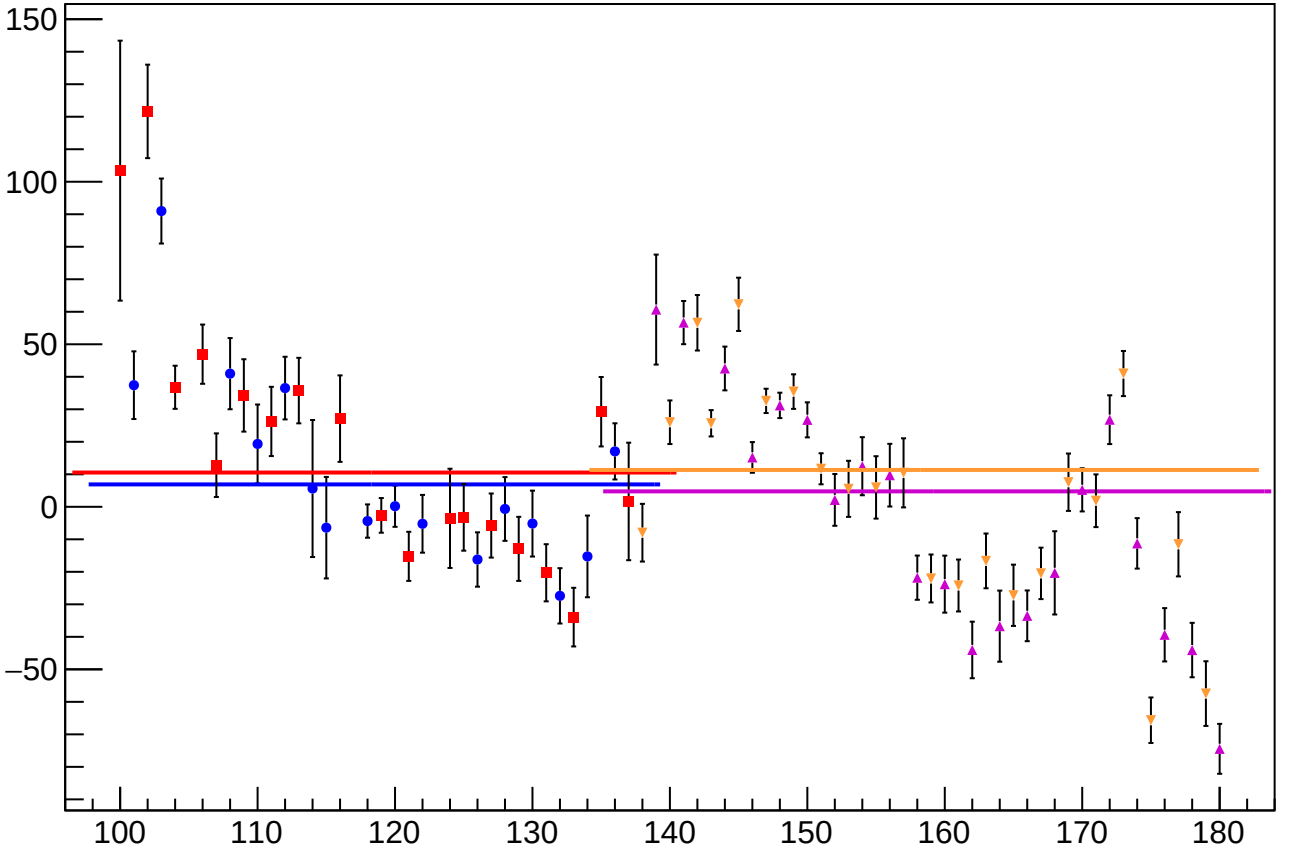
Left In: -458.494+/-2.160 χ^2/NDF:1798.5/20

+ sign -419.789+/-1.522 χ^2/NDF: 4557.1/37

All: -419.684+/-1.074 χ^2/NDF: 8811.3/77

- 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: 11.336+/-1.453 χ^2/NDF:420.8/21

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

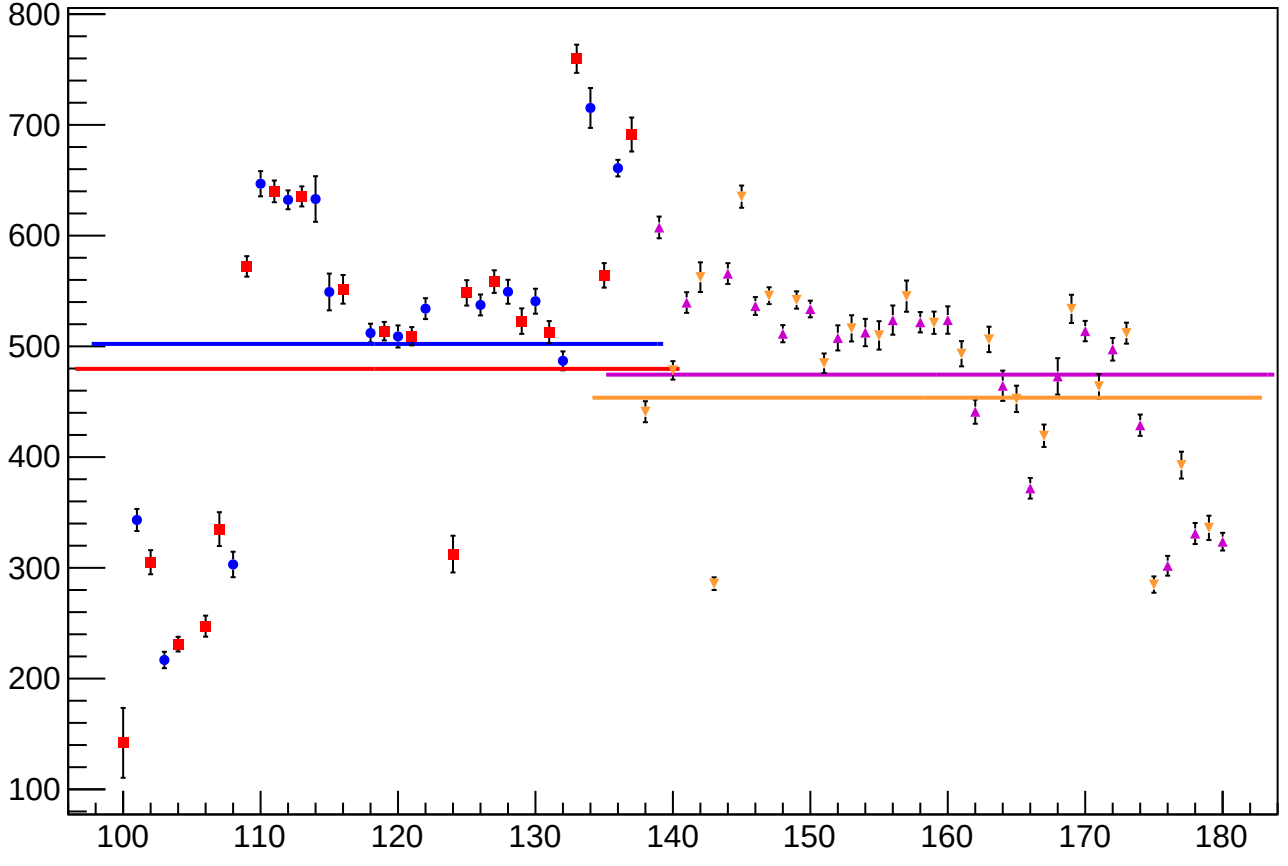
Left In: 4.750+/-1.554 χ^2/NDF:453.8/20

+ sign 10.039+/-1.223 χ^2/NDF: 561.9/37

All: 8.422+/-0.881 χ^2/NDF: 1204.1/77

- 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: 453.656+/-2.053 χ^2/NDF:2467.5/21

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

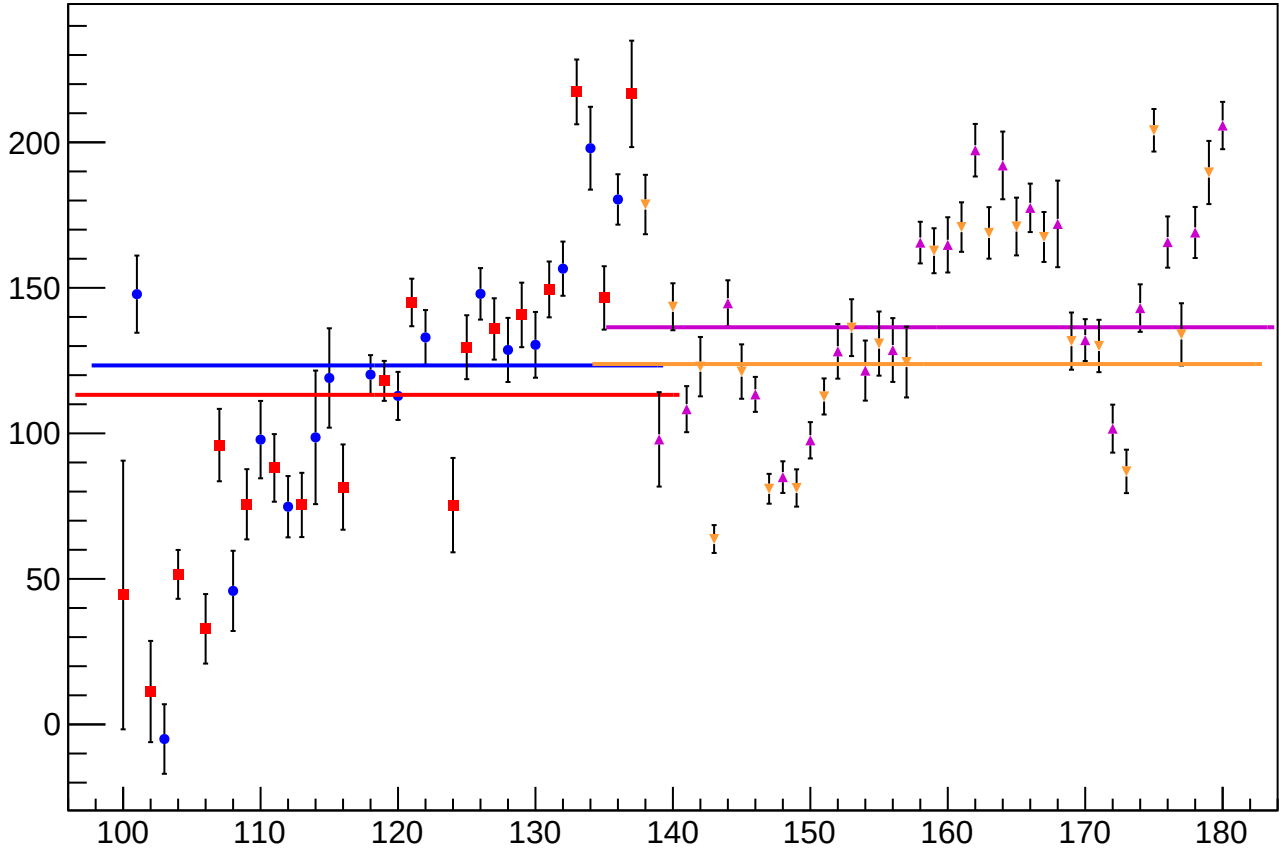
Left In: 474.467+/-2.124 χ^2/NDF:1679.1/20

+ sign 473.274+/-1.585 χ^2/NDF: 5828.7/37

All: 475.009+/-1.122 χ^2/NDF: 11651.4/77

- 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: 123.818+/-1.697 χ^2/NDF:626.3/21

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

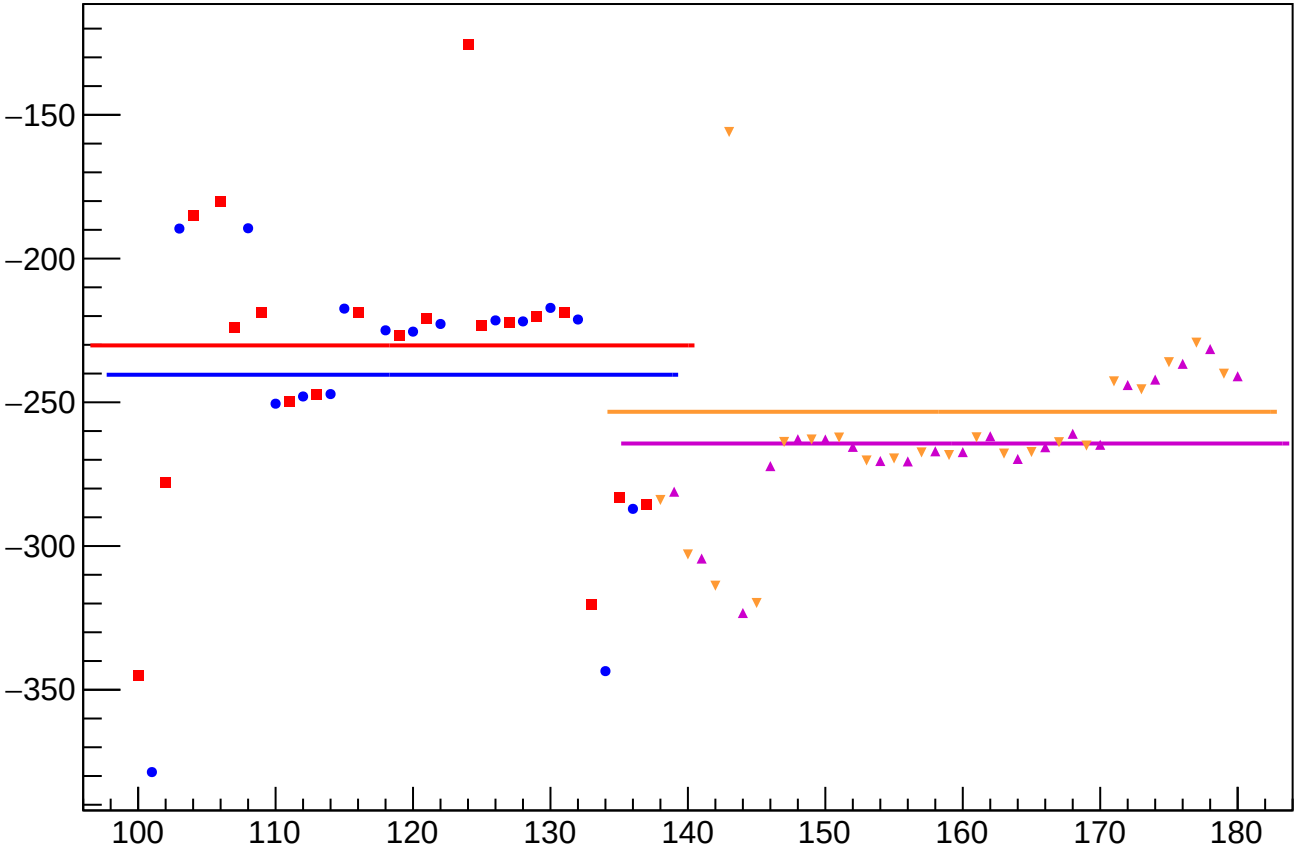
Left In: 136.459+/-1.792 χ^2/NDF:406.0/20

+ sign 123.678+/-1.425 χ^2/NDF: 897.7/37

All: 126.149+/-1.022 χ^2/NDF: 1711.3/77

- 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: -253.296+/-0.080 χ^2/NDF:250173.3/21

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

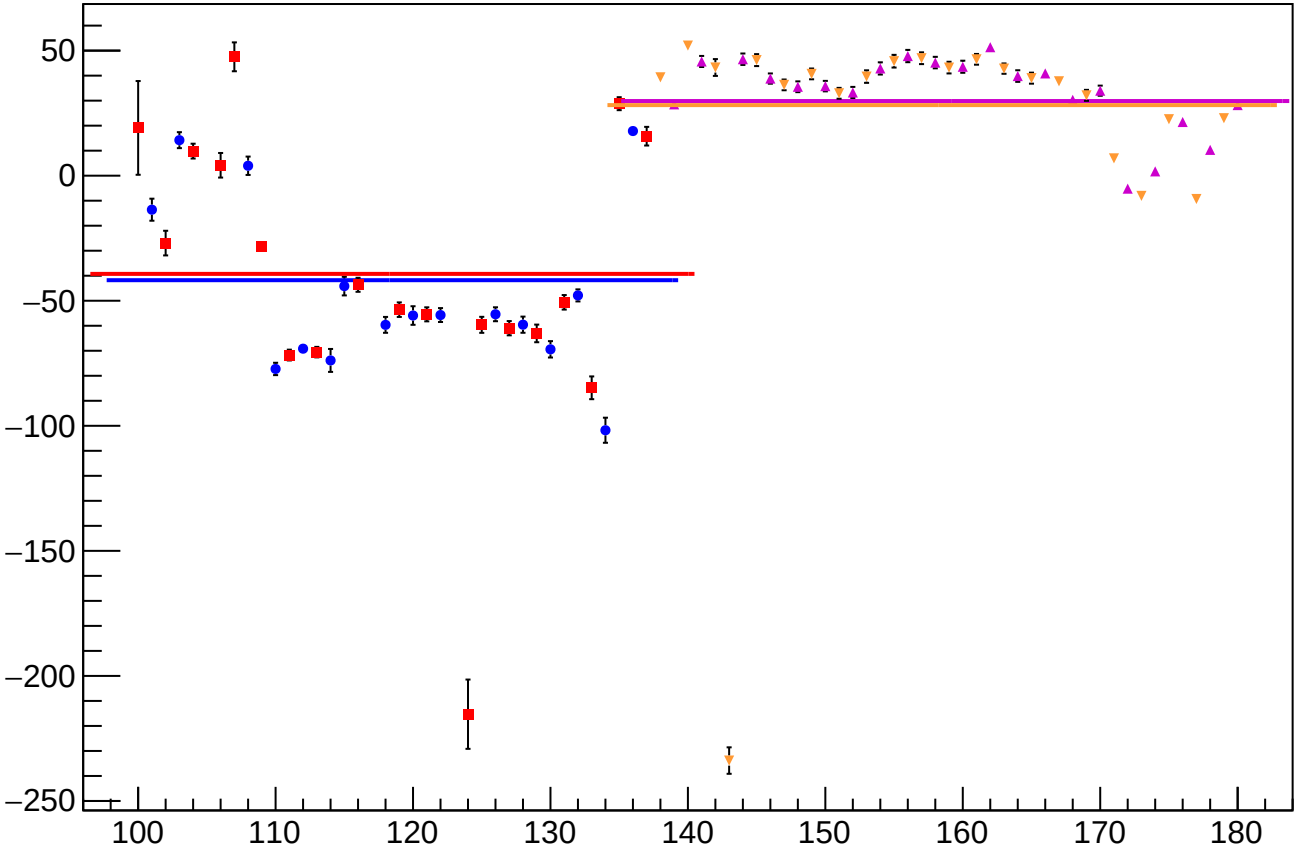
Left In: -264.333+/-0.082 χ^2/NDF:57044.0/20

+ sign -250.445+/-0.071 χ^2/NDF: 390024.2/37

All: -253.276+/-0.050 χ^2/NDF: 575016.7/77

- 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: 28.213+/-0.440 χ^2/NDF:4085.7/21

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

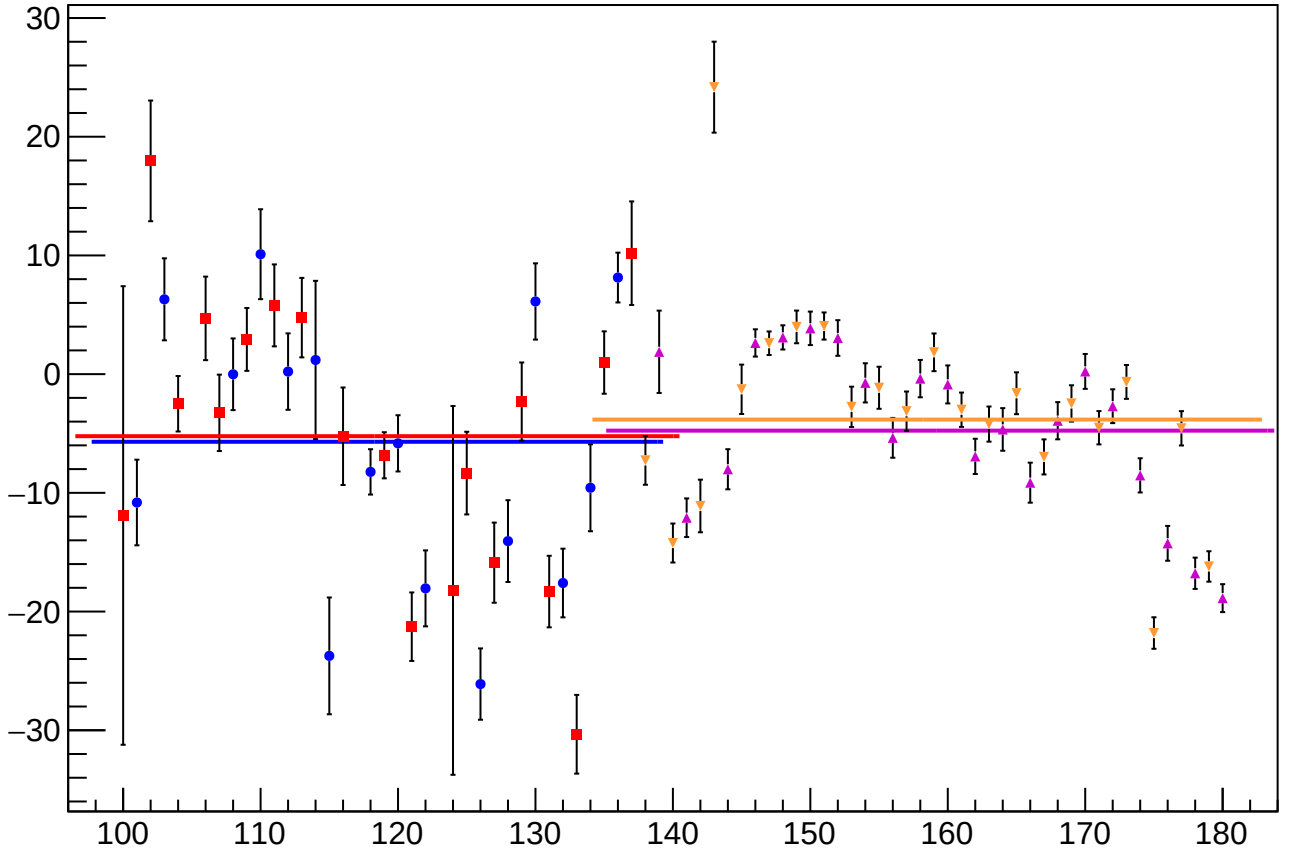
Left In: 29.842+/-0.422 χ^2/NDF:1323.6/20

+ sign 9.325+/-0.376 χ^2/NDF: 13333.5/37

All: 9.988+/-0.259 χ^2/NDF: 24600.1/77

- 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: -3.829+/-0.322 χ^2/NDF:535.3/21

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

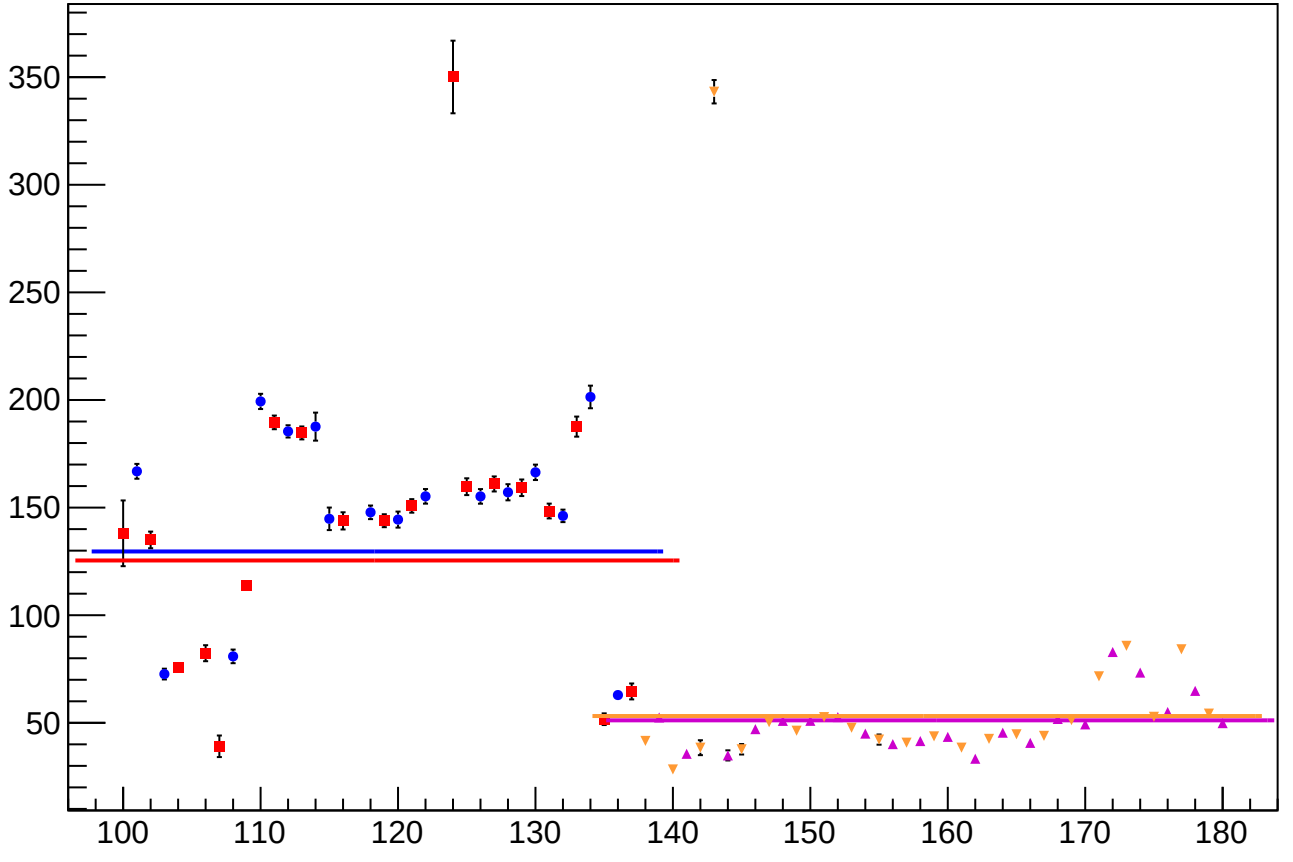
Left In: -4.759+/-0.321 χ^2/NDF:510.5/20

+ sign -4.117+/-0.296 χ^2/NDF: 737.2/37

All: -4.477+/-0.209 χ^2/NDF: 1448.4/77

- 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: 53.156+/-0.432 χ^2/NDF:3979.4/21

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

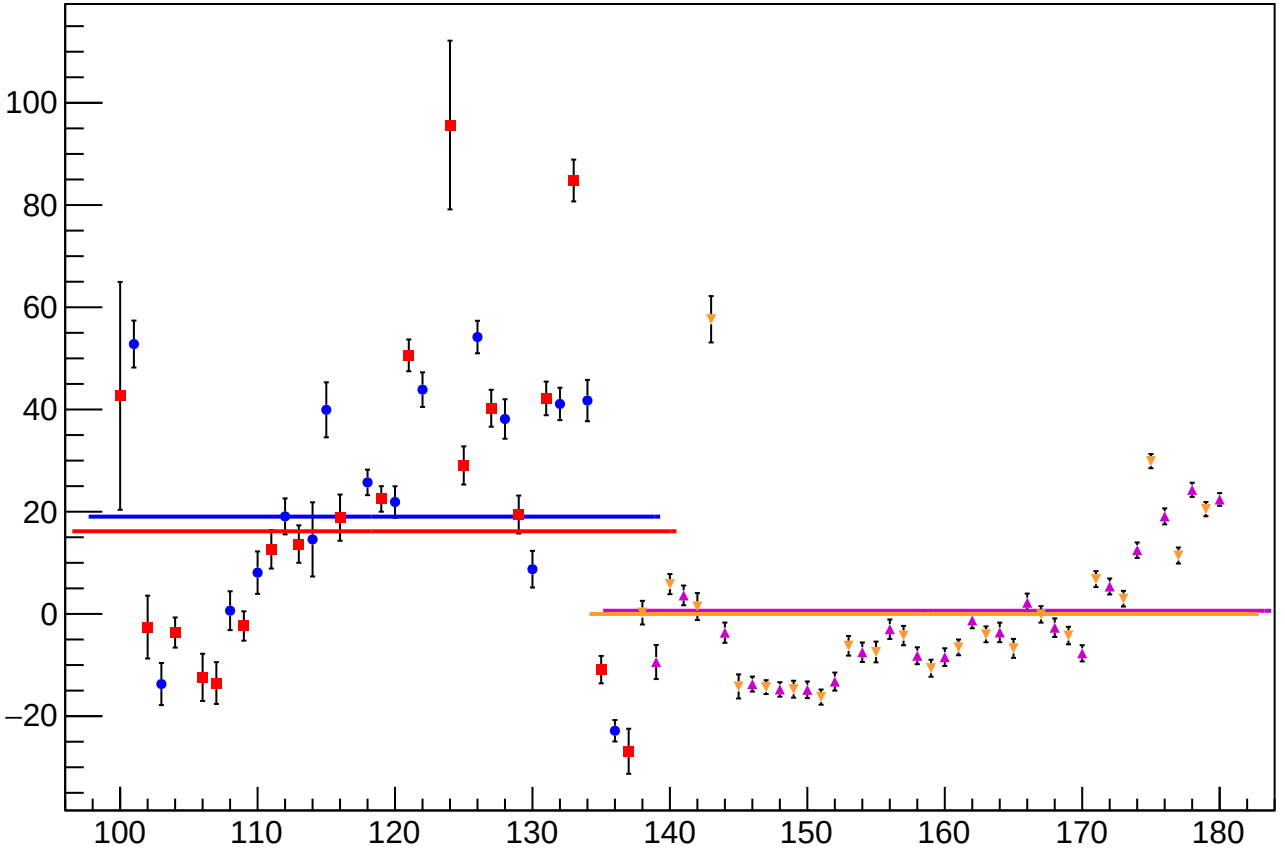
Left In: 51.154+/-0.417 χ^2/NDF:815.7/20

+ sign 70.413+/-0.380 χ^2/NDF: 14666.7/37

All: 68.817+/-0.265 χ^2/NDF: 25940.1/77

- 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: -0.002+/-0.366 χ^2/NDF:1390.5/21

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

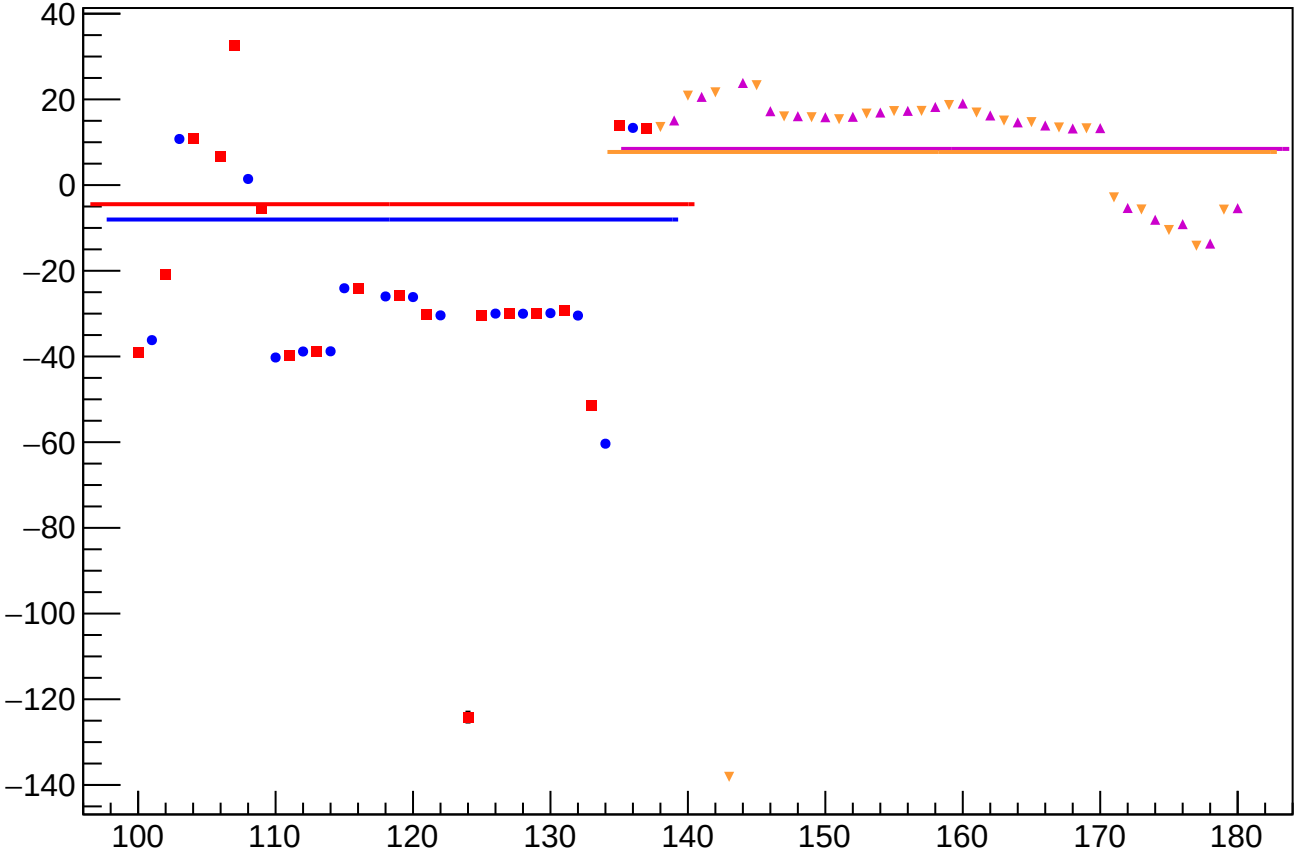
Left In: 0.621+/-0.362 χ^2/NDF:1304.3/20

+ sign 2.916+/-0.337 χ^2/NDF: 2663.6/37

All: 2.970+/-0.237 χ^2/NDF: 5195.0/77

- 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: 7.730+/-0.016 χ^2/NDF:925237.0/21

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

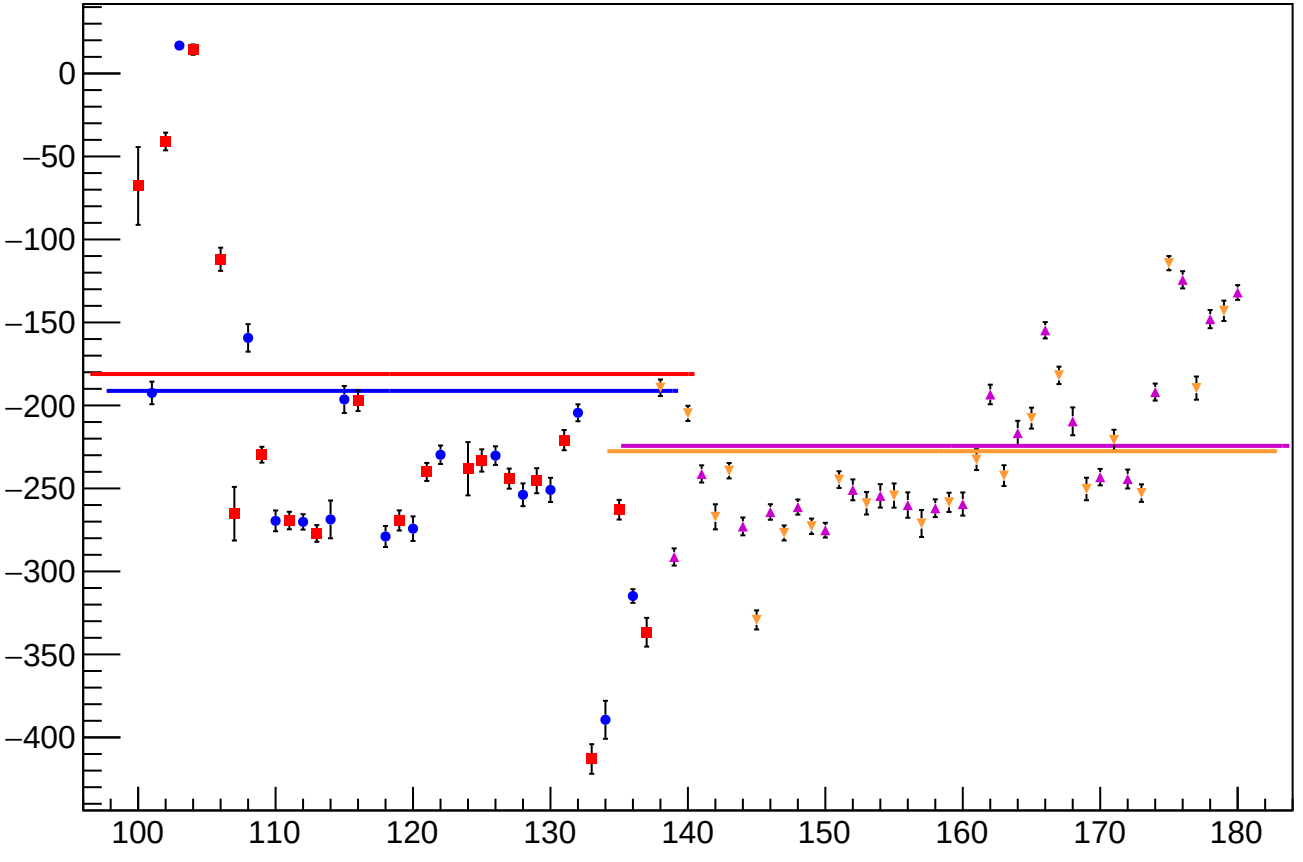
Left In: 8.443+/-0.016 χ^2/NDF:537888.8/20

+ sign 5.929+/-0.015 χ^2/NDF: 1297981.8/37

All: 6.524+/-0.011 χ^2/NDF: 2135244.5/77

- 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: -227.572+/-1.195 χ^2/NDF:1791.7/21

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

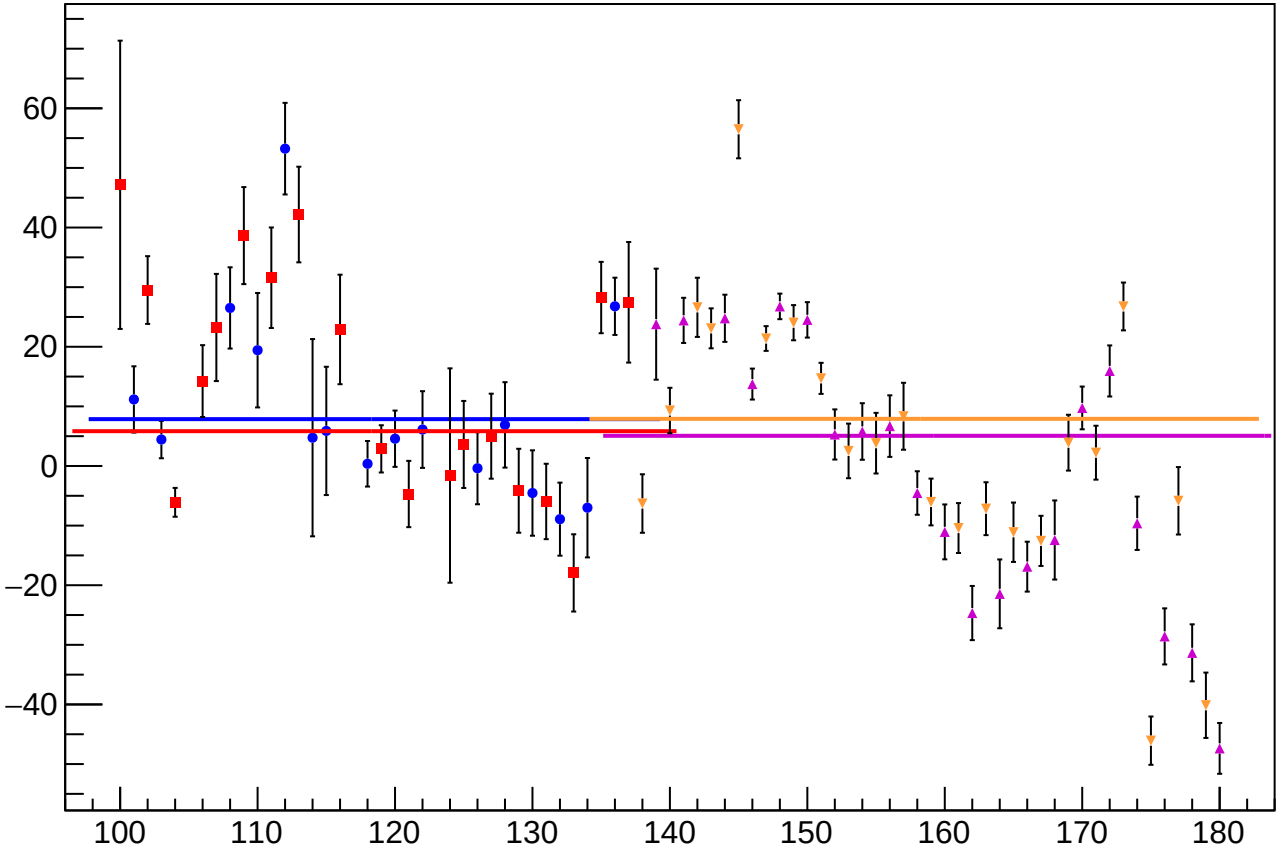
Left In: -224.357+/-1.191 χ^2/NDF:1956.3/20

\+ sign -212.487+/-0.914 χ^2/NDF: 9400.5/37

All: -209.160+/-0.642 χ^2/NDF: 19319.2/77

\- 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: 7.909+/-0.831 χ^2/NDF:589.8/21

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

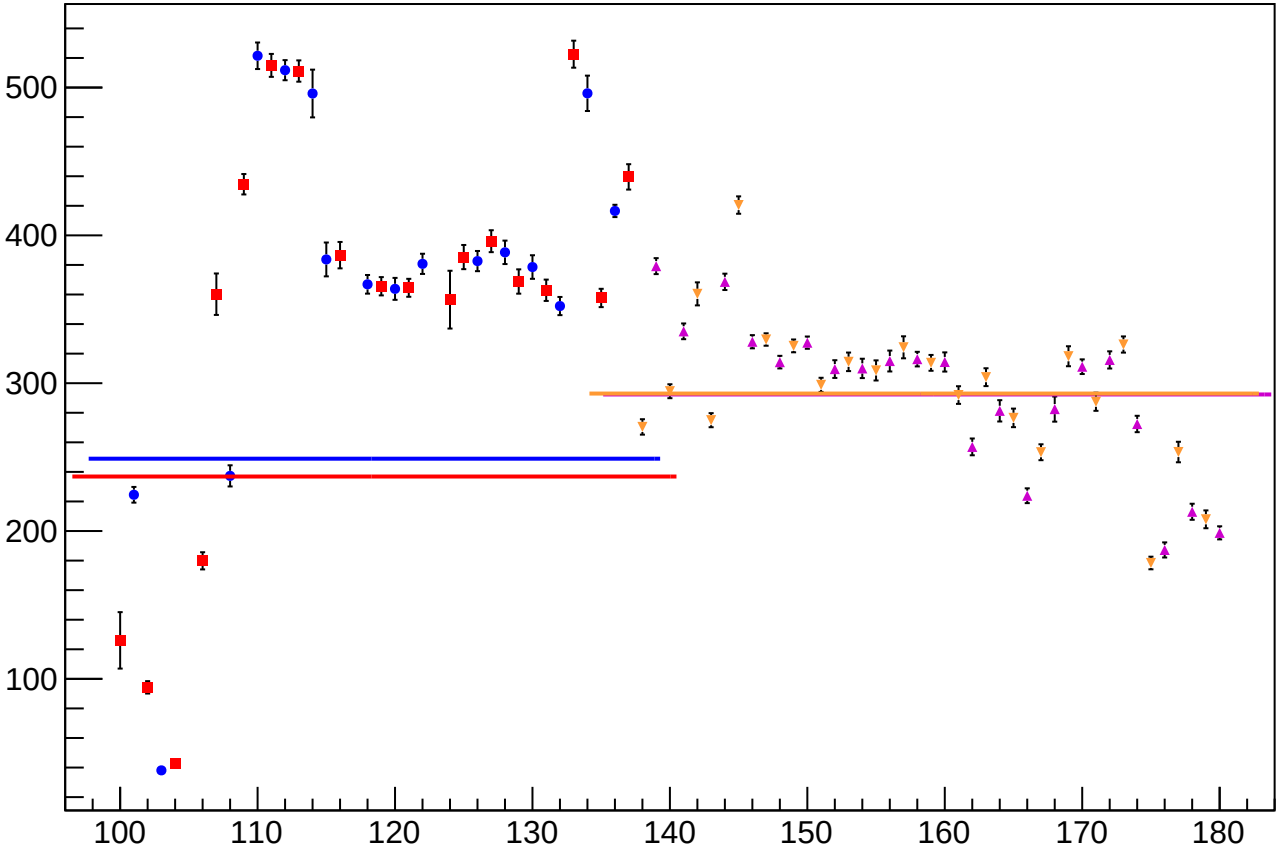
Left In: 5.063+/-0.855 χ^2/NDF:608.4/20

+ sign 7.897+/-0.720 χ^2/NDF: 670.8/37

All: 6.596+/-0.510 χ^2/NDF: 1427.8/77

- 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: 292.991+/-1.175 χ^2/NDF:1827.4/21

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

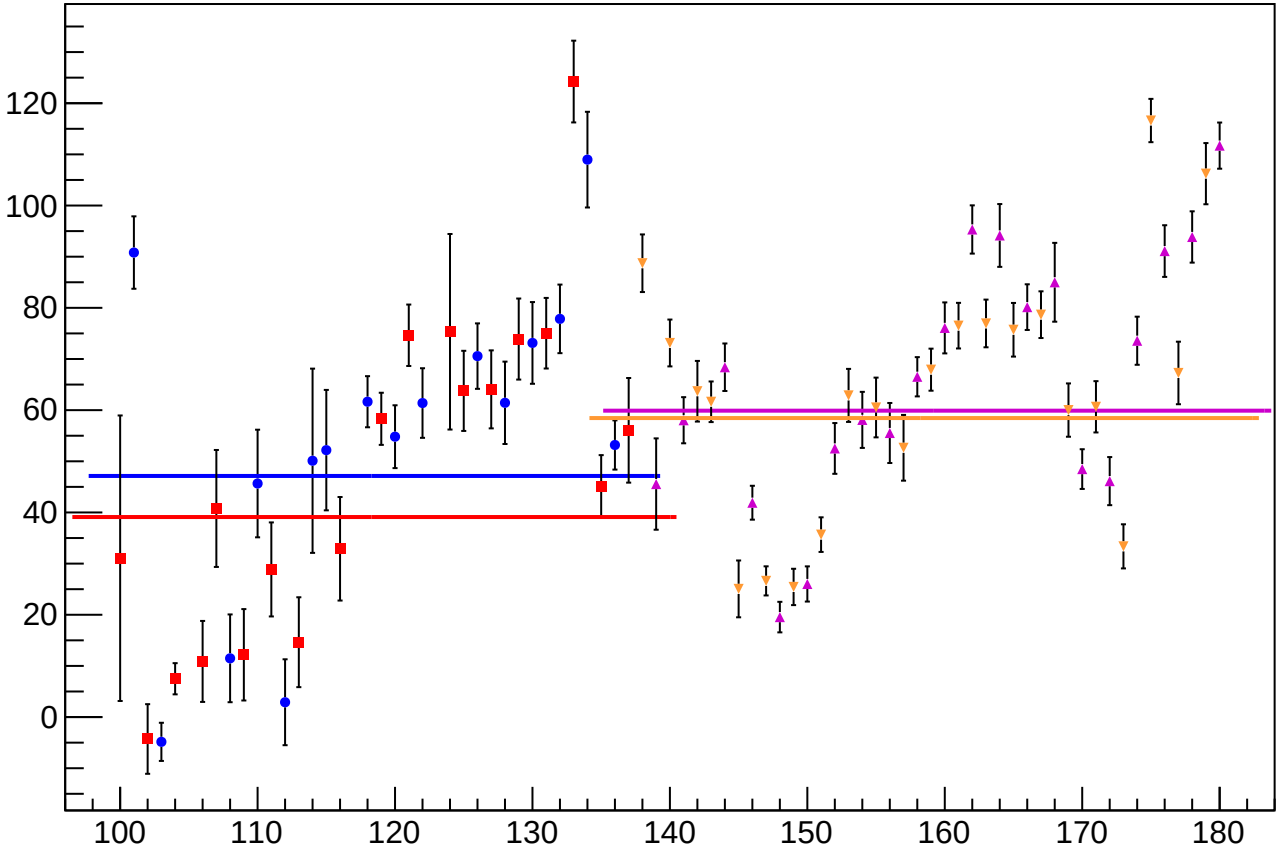
Left In: 292.376+/-1.169 χ^2/NDF:2090.8/20

+ sign 275.115+/-0.906 χ^2/NDF: 17700.3/37

All: 272.385+/-0.638 χ^2/NDF: 36387.2/77

- 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: 58.454+/-0.969 χ^2/NDF:692.1/21

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

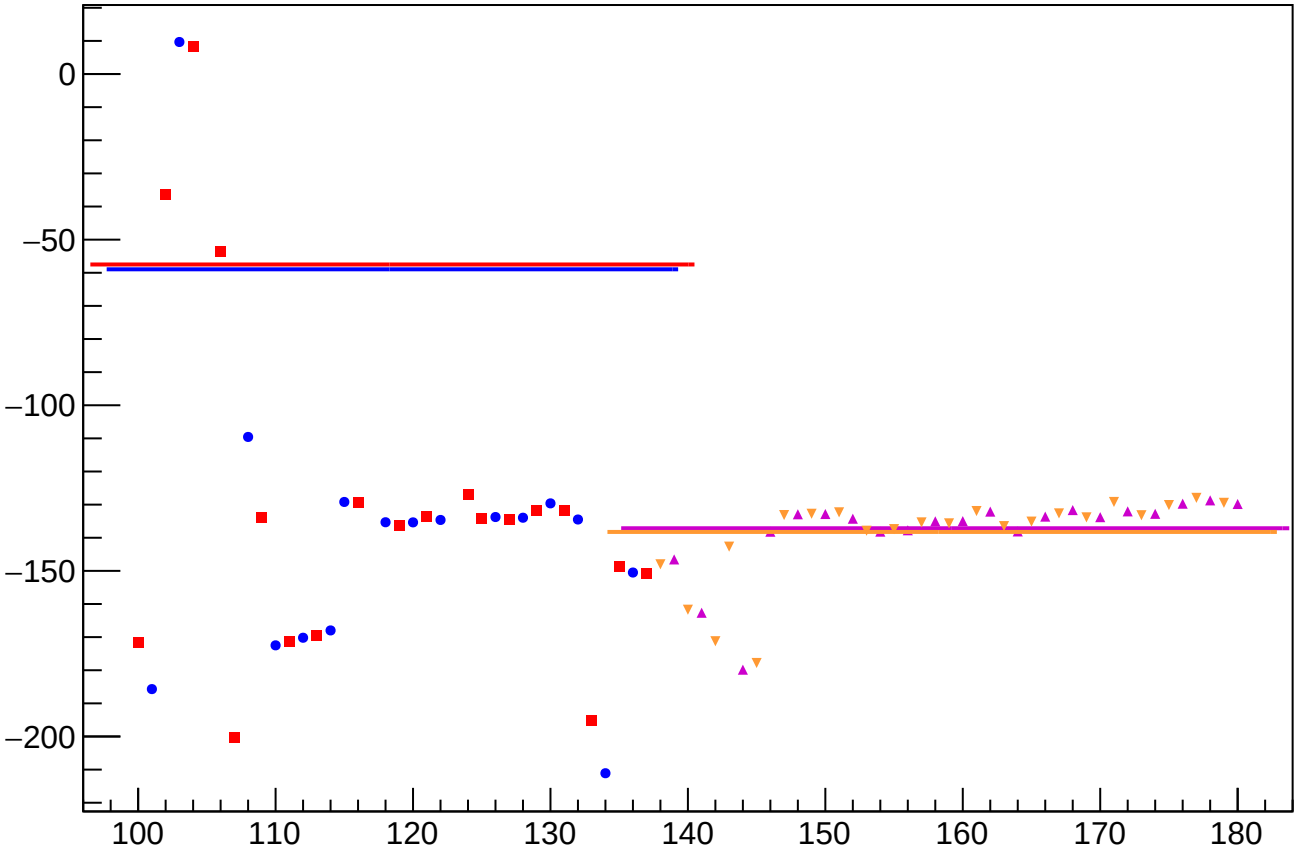
Left In: 59.897+/-0.985 χ^2/NDF:691.9/20

+ sign 55.598+/-0.838 χ^2/NDF: 1111.9/37

All: 54.880+/-0.593 χ^2/NDF: 2344.6/77

- 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: -138.244+/-0.046 χ^2/NDF:66833.7/21

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

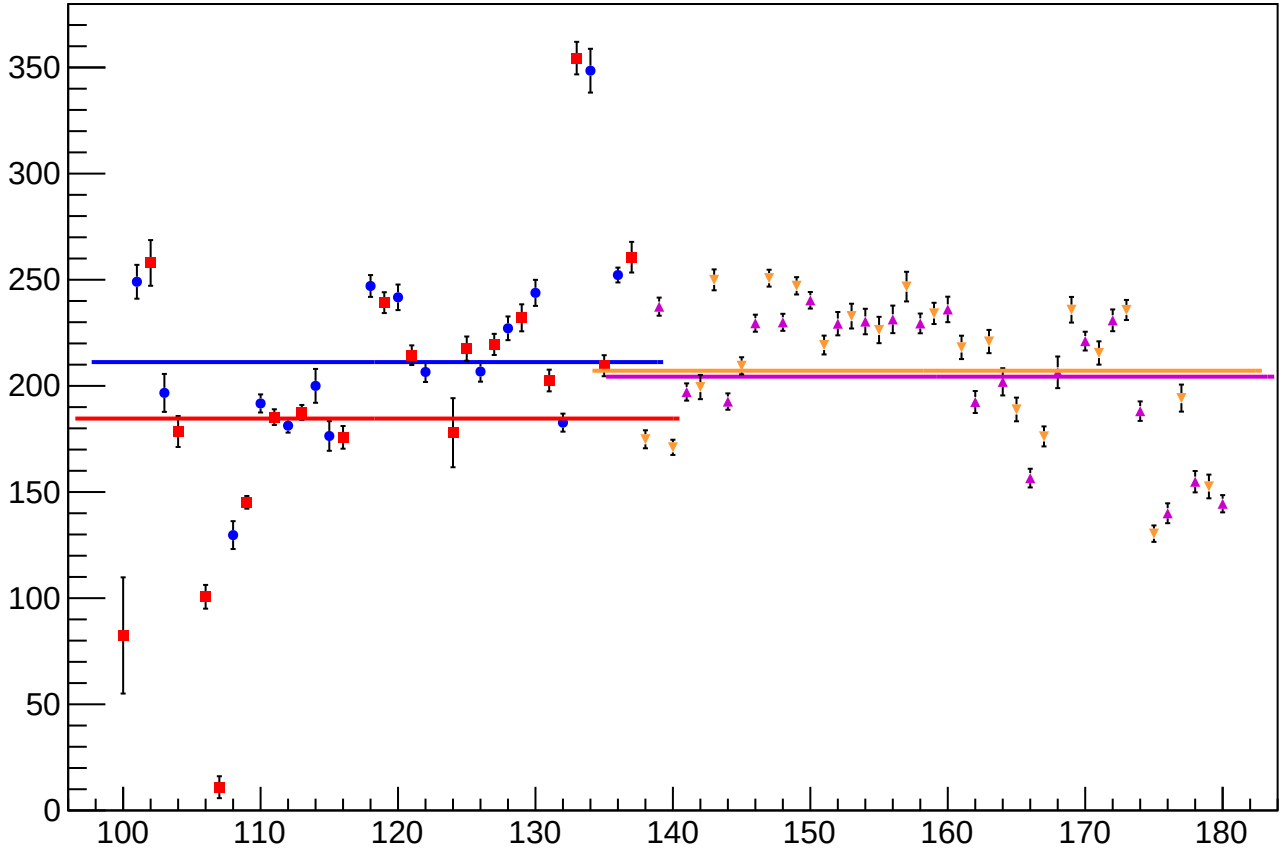
Left In: -137.134+/-0.045 χ^2/NDF:53842.6/20

+ sign -115.855+/-0.039 χ^2/NDF: 2149686.6/37

All: -115.778+/-0.027 χ^2/NDF: 3915363.1/77

- 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: 207.144+/-1.038 χ^2/NDF:1168.7/21

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

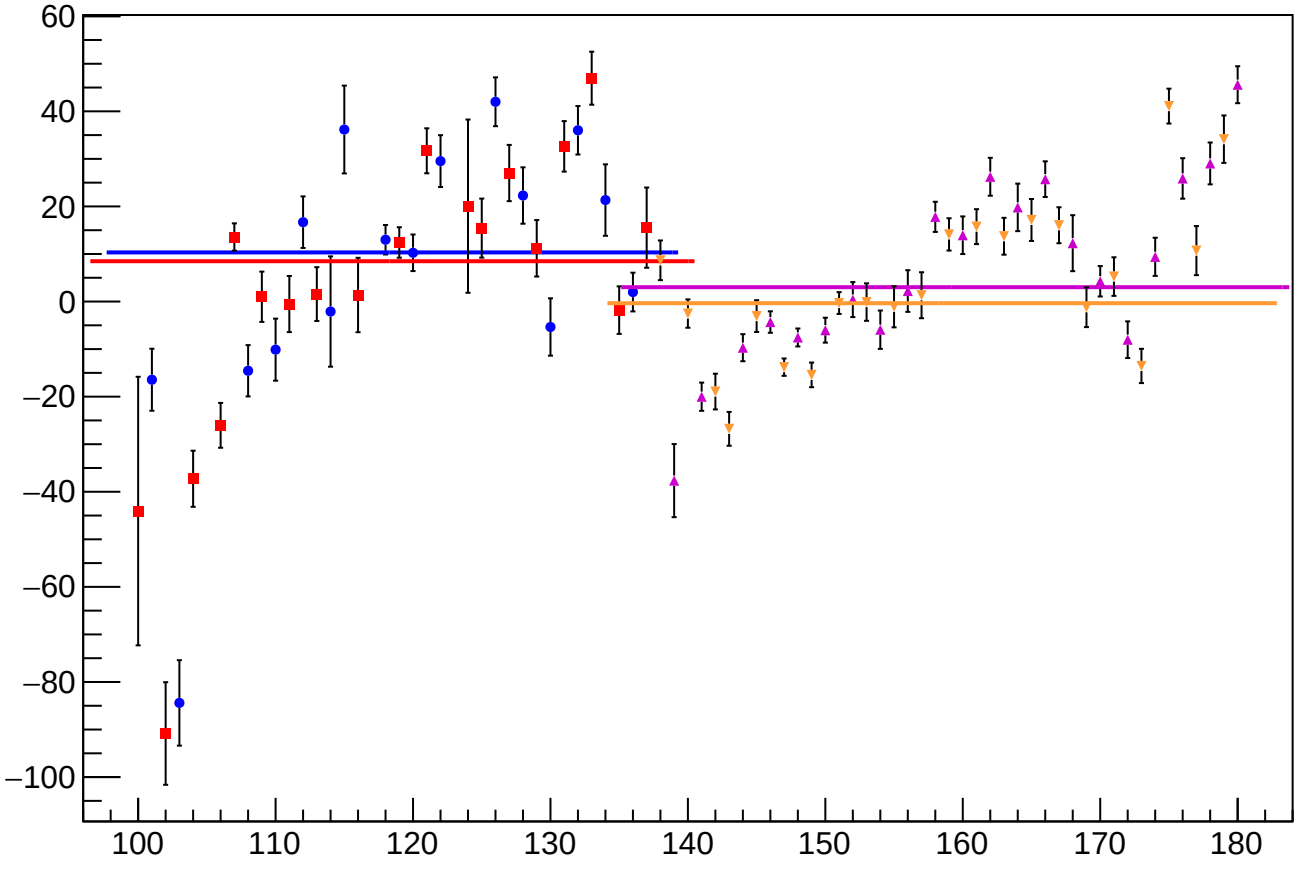
Left In: 204.337+/-1.029 χ^2/NDF:1029.9/20

+ sign 208.732+/-0.810 χ^2/NDF: 1957.7/37

All: 202.086+/-0.562 χ^2/NDF: 5814.3/77

- 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: -0.349+/-0.725 χ^2/NDF:454.4/21

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

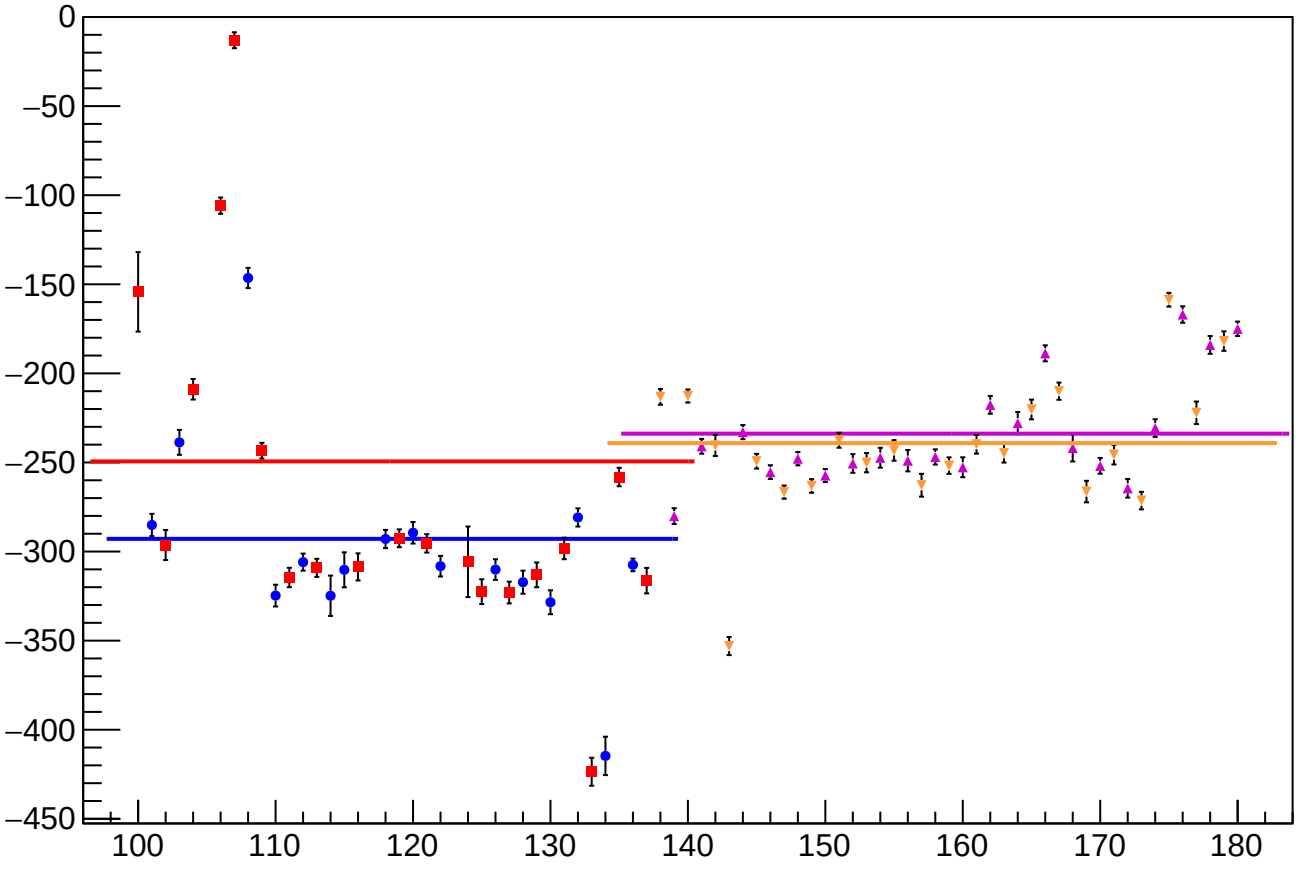
Left In: 3.019+/-0.739 χ^2/NDF:475.9/20

\+ sign 2.087+/-0.637 χ^2/NDF: 767.3/37

All: 3.289+/-0.449 χ^2/NDF: 1587.2/77

\- 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: -239.125+/-1.021 χ^2/NDF:1382.6/21

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

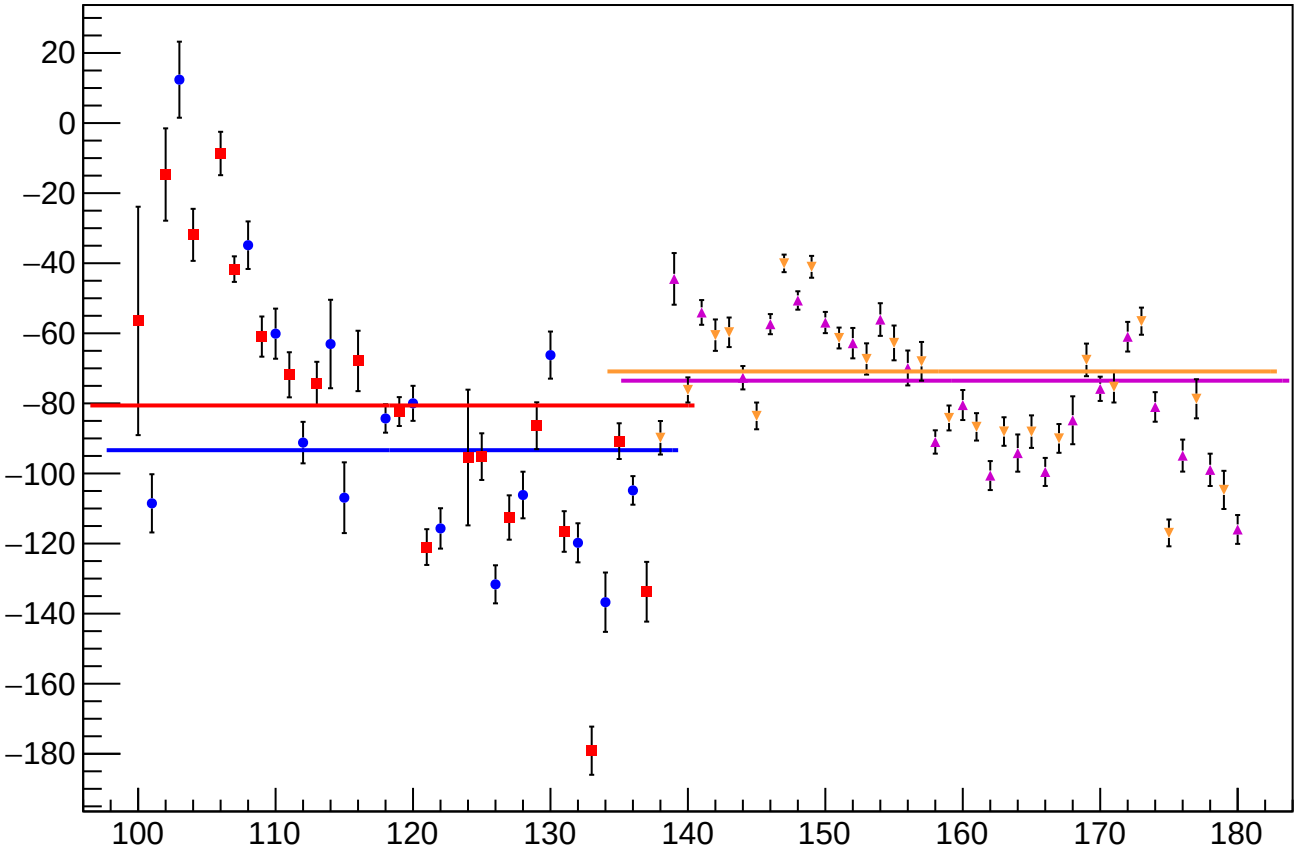
Left In: -233.834+/-1.011 χ^2/NDF:927.7/20

+ sign -256.659+/-0.838 χ^2/NDF: 3269.8/37

All: -247.732+/-0.584 χ^2/NDF: 9869.9/77

- 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: -70.882+/-0.845 χ^2/NDF:582.2/21

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

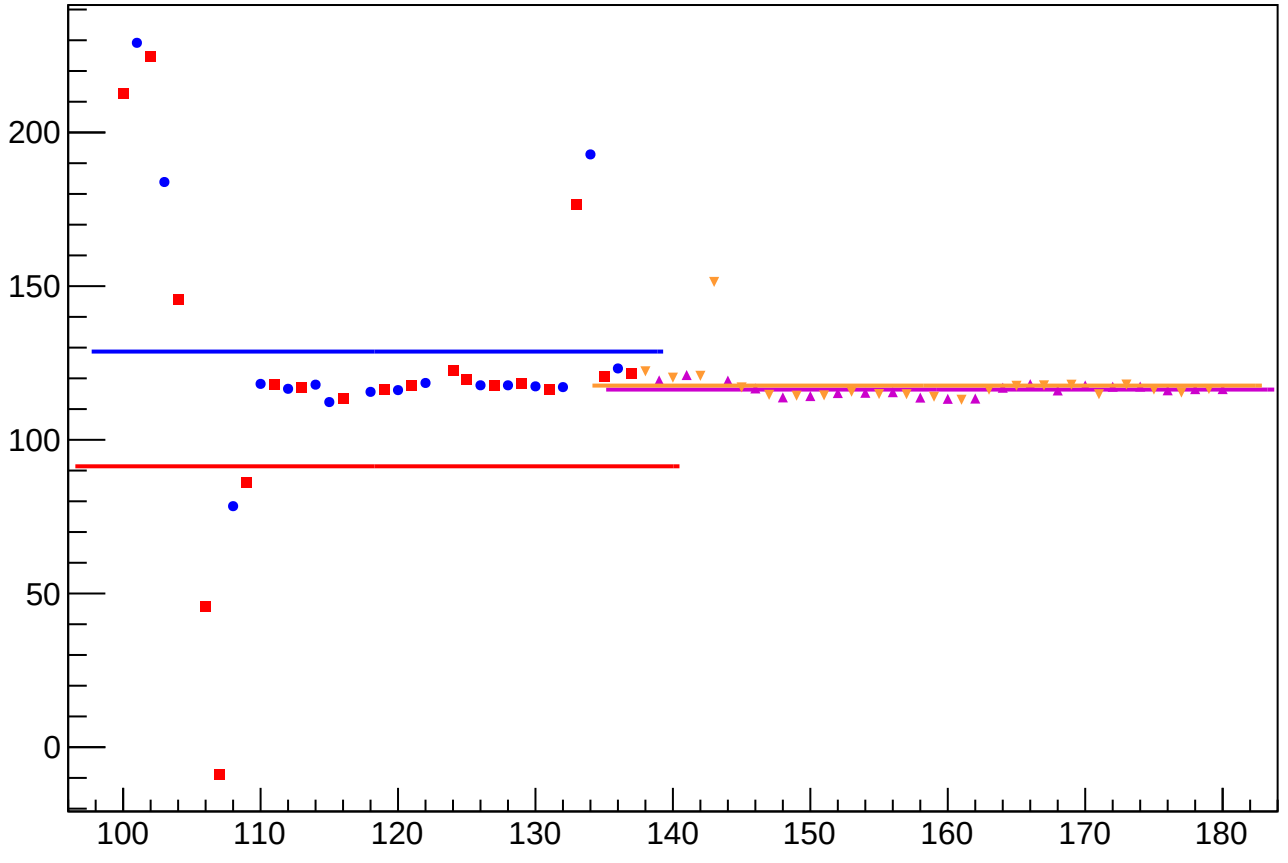
Left In: -73.522+/-0.853 χ^2/NDF:508.6/20

+ sign -76.109+/-0.740 χ^2/NDF: 1102.2/37

All: -75.744+/-0.520 χ^2/NDF: 2344.8/77

- 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: 117.645+/-0.040 χ^2/NDF:29866.6/21

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

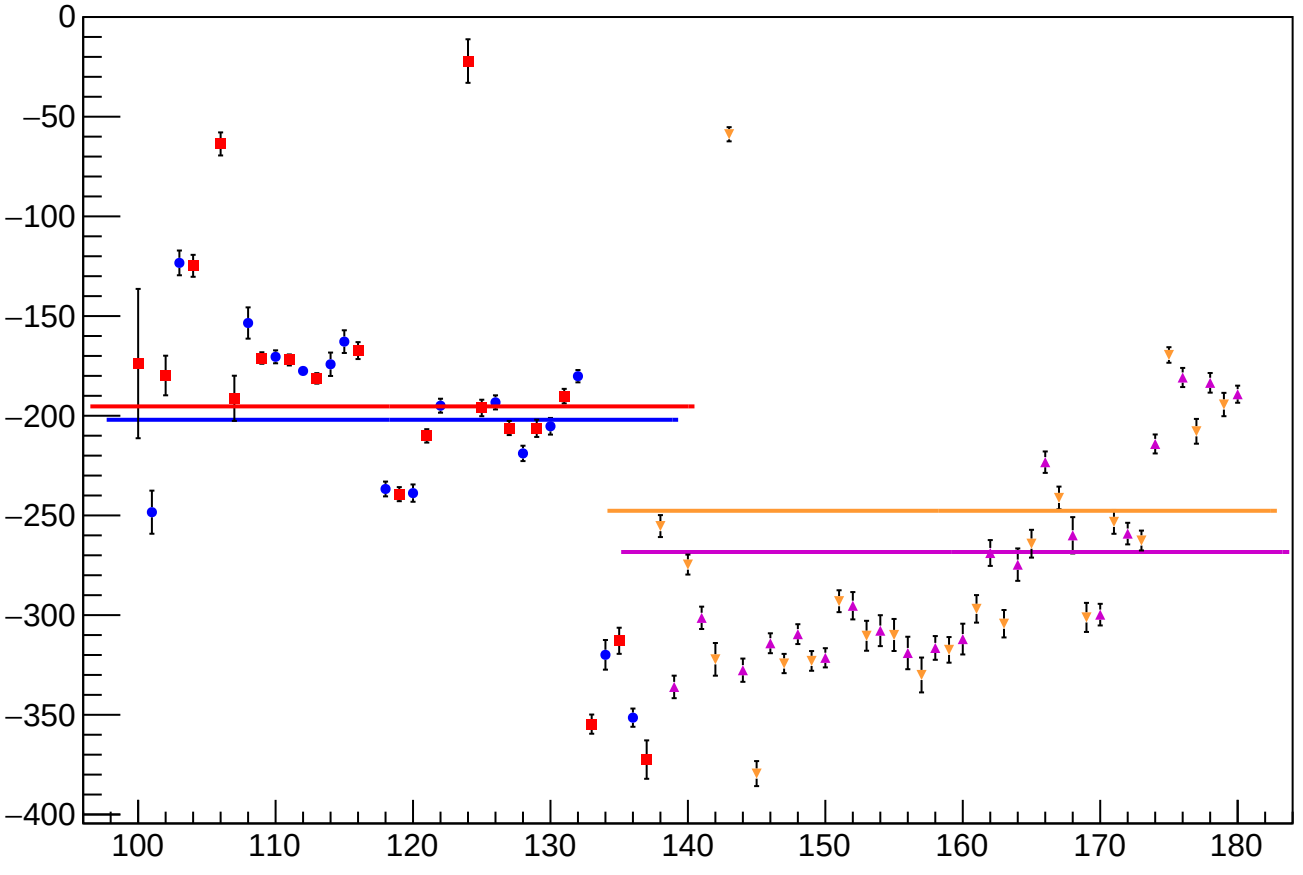
Left In: 116.348+/-0.039 χ^2/NDF:2991.3/20

+ sign 119.470+/-0.036 χ^2/NDF: 226270.4/37

All: 115.329+/-0.025 χ^2/NDF: 939672.2/77

- 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: -247.668+/-1.212 χ^2/NDF:4974.2/21

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

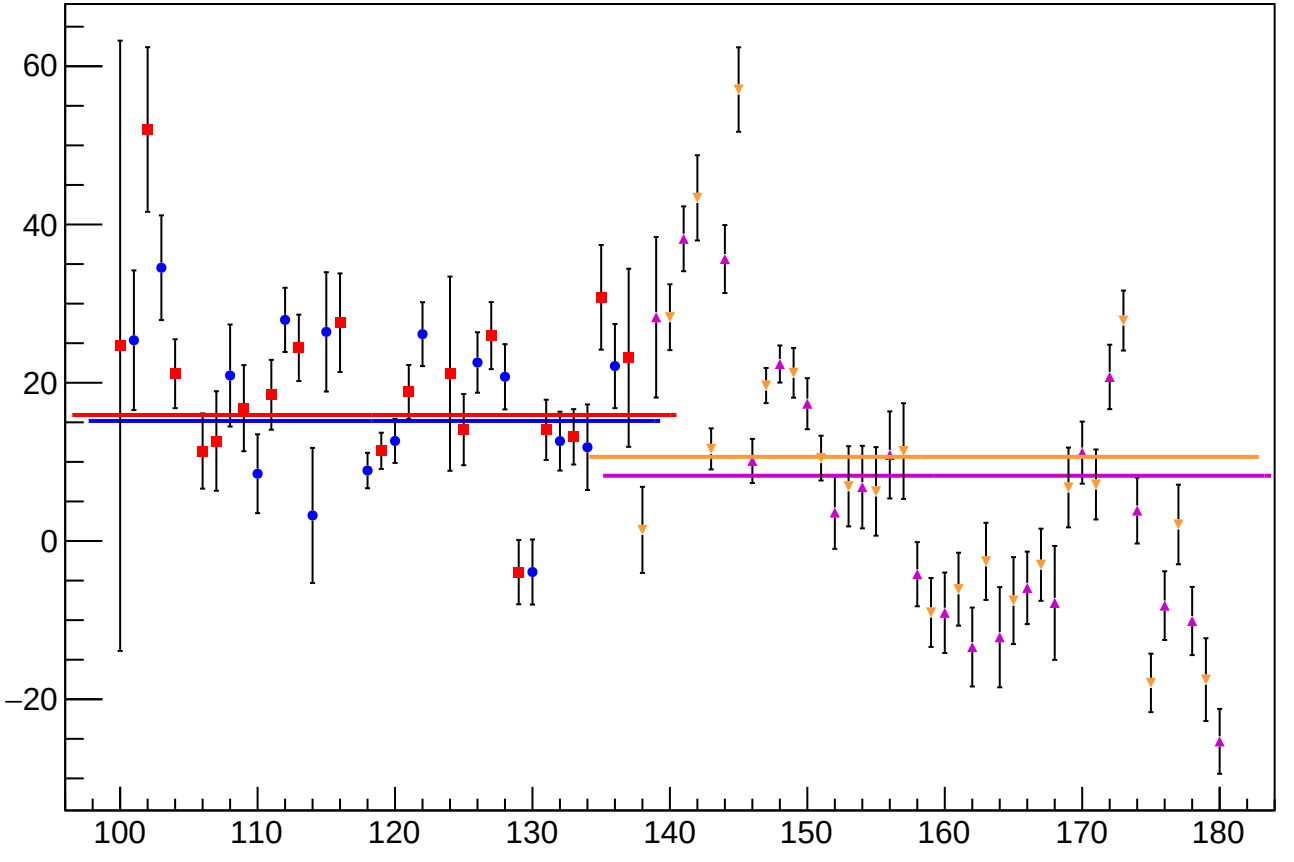
Left In: -268.342+/-1.239 χ^2/NDF:1940.6/20

+ sign -221.040+/-0.782 χ^2/NDF: 7842.5/37

All: -222.141+/-0.547 χ^2/NDF: 15034.1/77

- 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: 10.638+/-0.854 χ^2/NDF:337.0/21

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

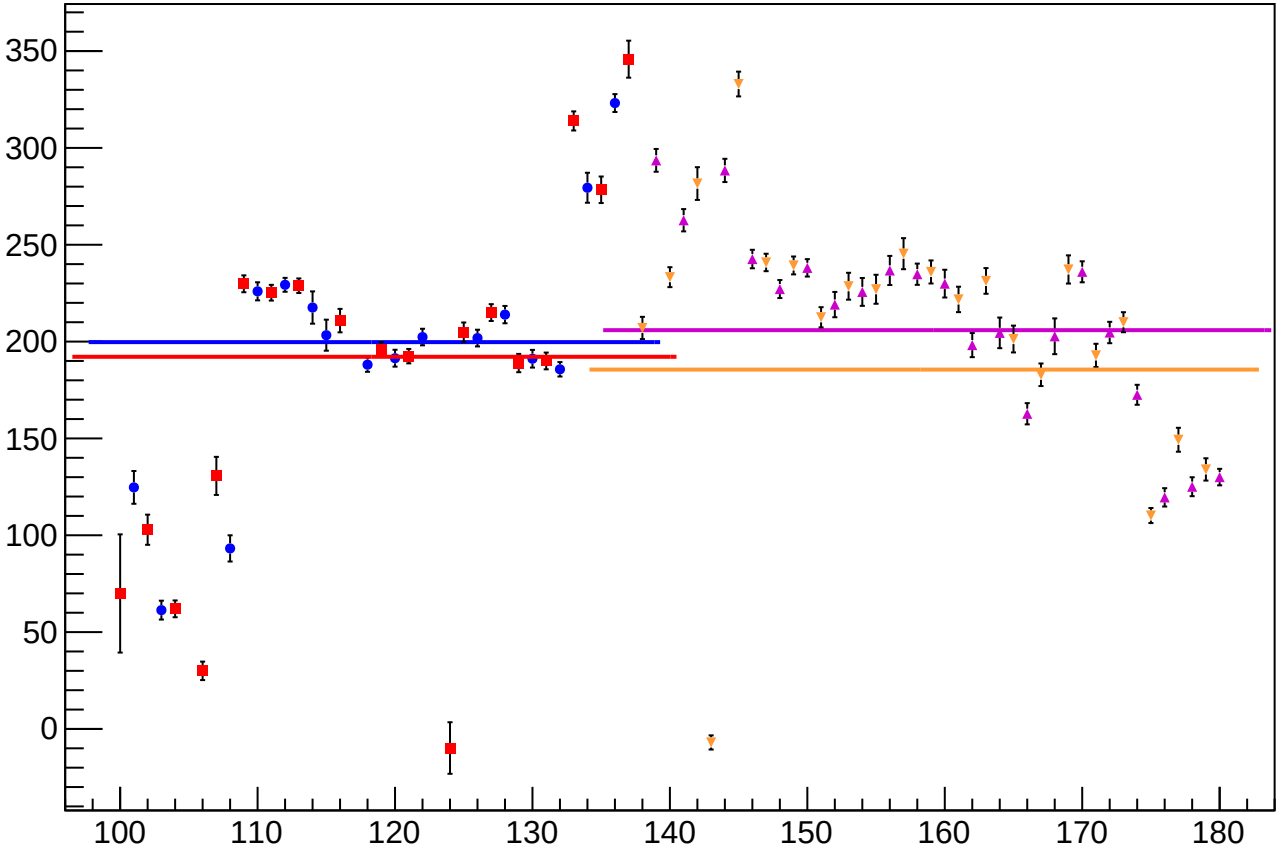
Left In: 8.250+/-0.902 χ^2/NDF:319.4/20

+ sign 12.450+/-0.662 χ^2/NDF: 420.6/37

All: 12.016+/-0.475 χ^2/NDF: 835.6/77

- 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: 185.551+/-1.196 χ^2/NDF:4684.4/21

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

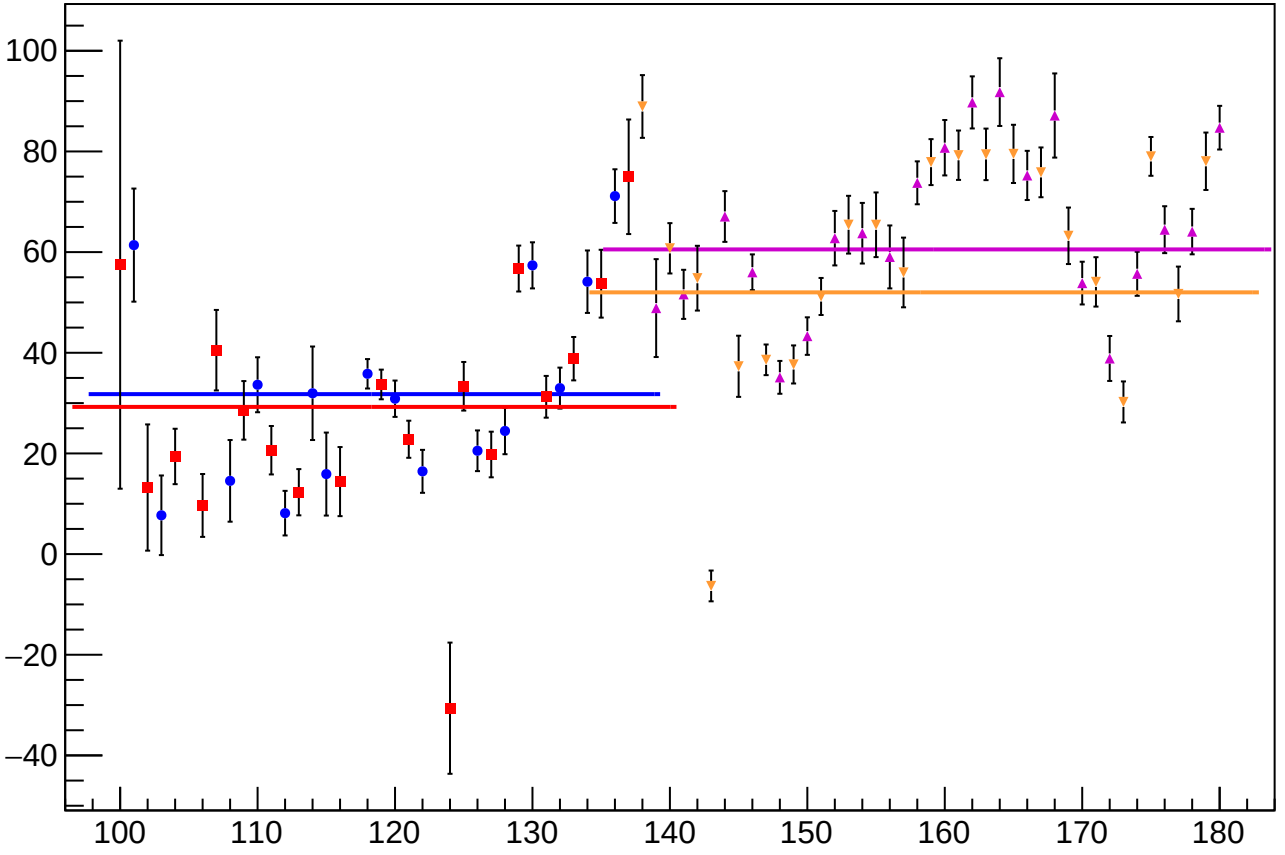
Left In: 205.894+/-1.220 χ^2/NDF:1765.4/20

+ sign 192.637+/-0.846 χ^2/NDF: 6856.2/37

All: 195.661+/-0.595 χ^2/NDF: 12491.3/77

- 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: 52.003+/-0.993 χ^2/NDF:692.1/21

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

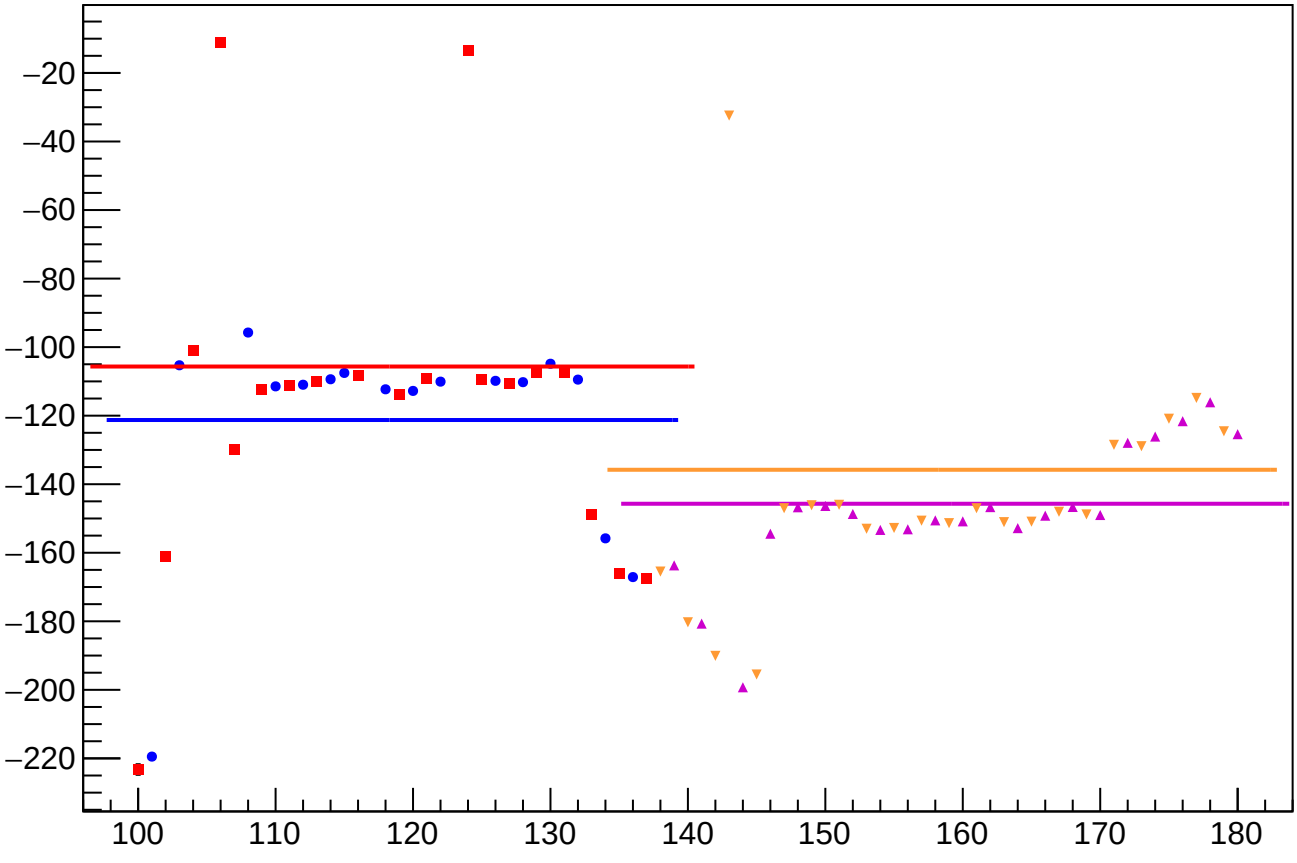
Left In: 60.536+/-1.035 χ^2/NDF:246.0/20

\+ sign 43.921+/-0.769 χ^2/NDF: 1035.0/37

All: 45.506+/-0.549 χ^2/NDF: 1821.7/77

\- 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: -135.786+/-0.047 χ^2/NDF:659684.9/21

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

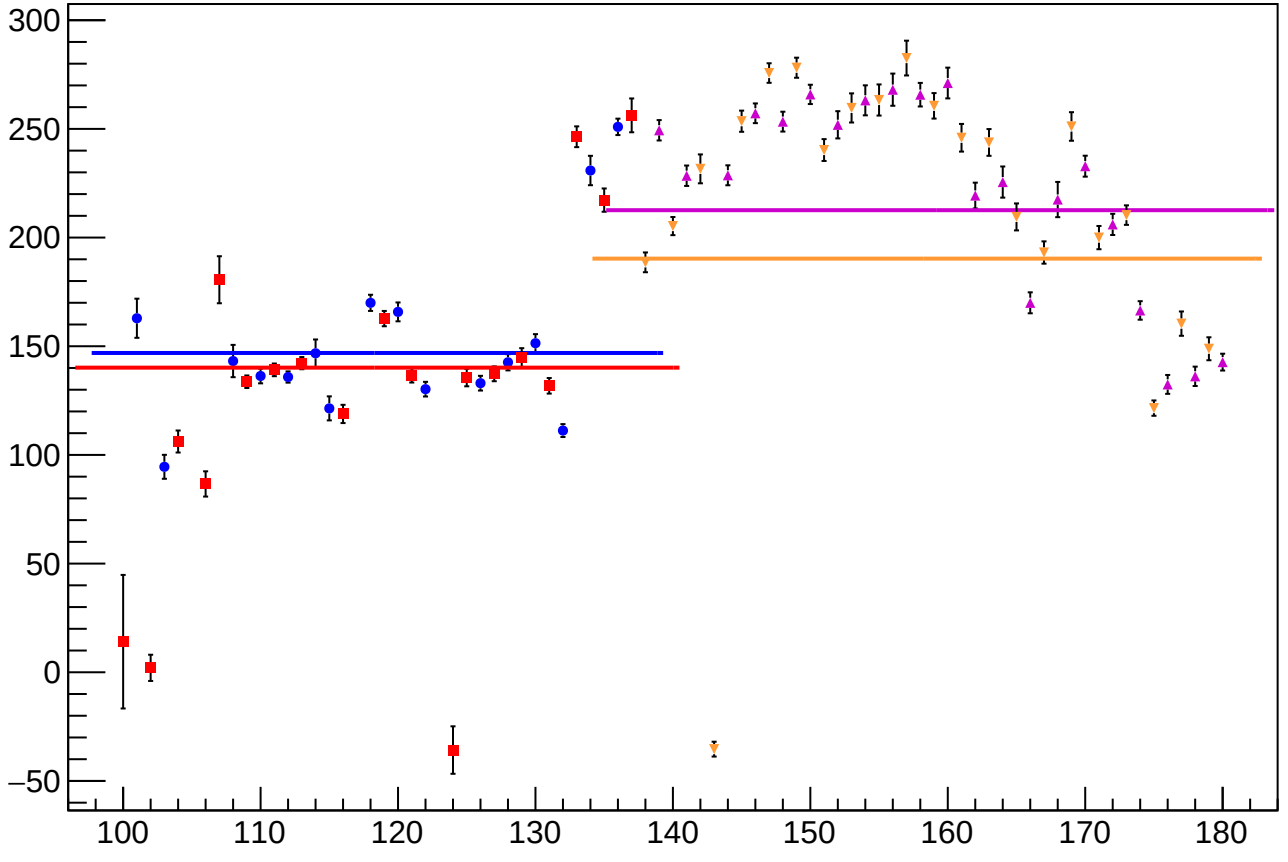
Left In: -145.702+/-0.047 χ^2/NDF:138750.1/20

+ sign -132.050+/-0.040 χ^2/NDF: 804024.4/37

All: -133.170+/-0.028 χ^2/NDF: 1504713.0/77

- 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: 190.315+/-1.085 χ^2/NDF:6625.8/21

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

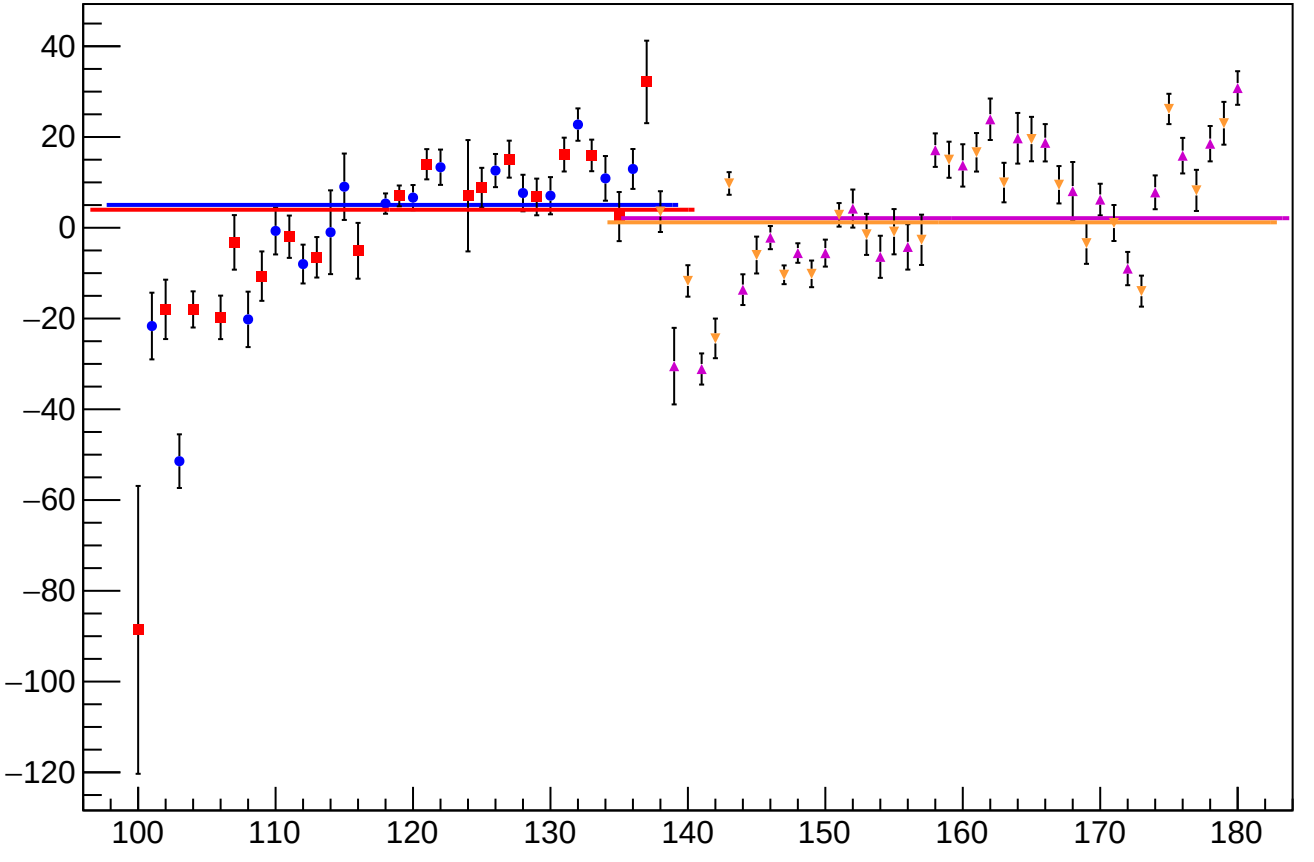
Left In: 212.595+/-1.104 χ^2/NDF:1900.0/20

\+ sign 166.910+/-0.737 χ^2/NDF: 8790.5/37

All: 169.169+/-0.517 χ^2/NDF: 15111.7/77

\- sign 171.352+/-0.724 χ^2/NDF: 6302.8/39

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 1.198+/-0.772 χ^2/NDF:258.9/21

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

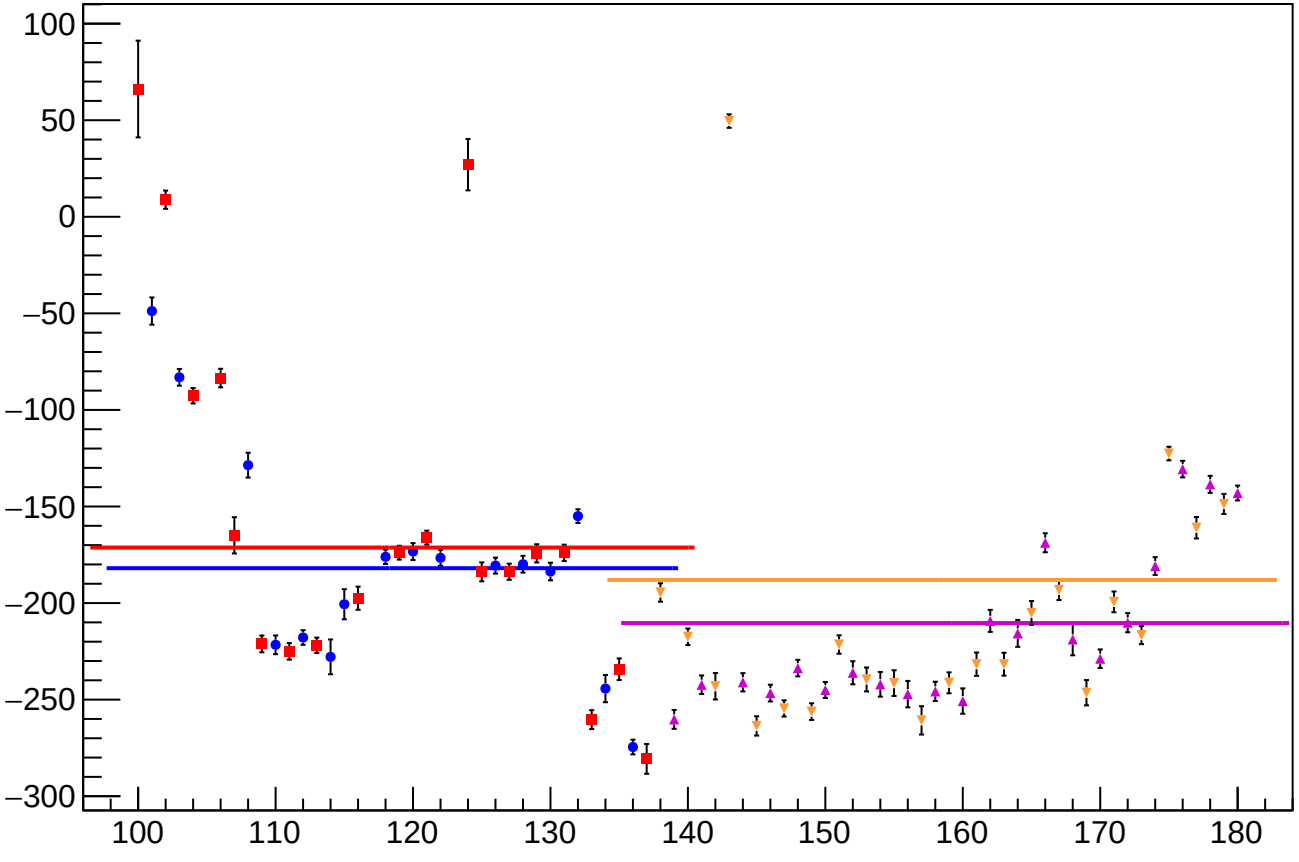
Left In: 2.110+/-0.809 χ^2/NDF:333.3/20

+ sign 2.594+/-0.616 χ^2/NDF: 439.8/37

All: 2.712+/-0.441 χ^2/NDF: 920.1/77

- 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: -188.038+/-1.073 χ^2/NDF:6448.1/21

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

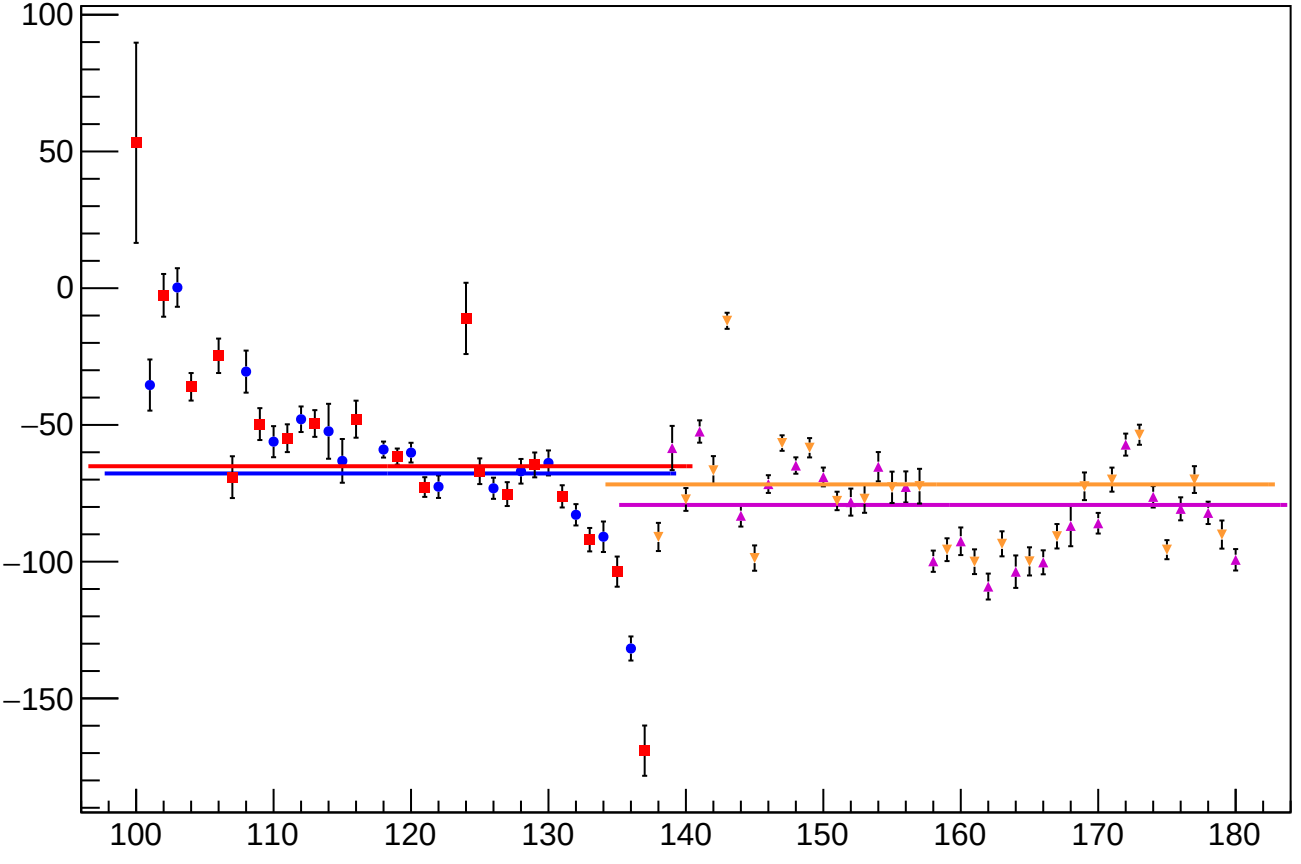
Left In: -210.346+/-1.089 χ^2/NDF:1565.0/20

+ sign -185.213+/-0.786 χ^2/NDF: 8333.4/37

All: -188.240+/-0.553 χ^2/NDF: 14187.3/77

- 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: -71.746+/-0.895 χ^2/NDF:738.5/21

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

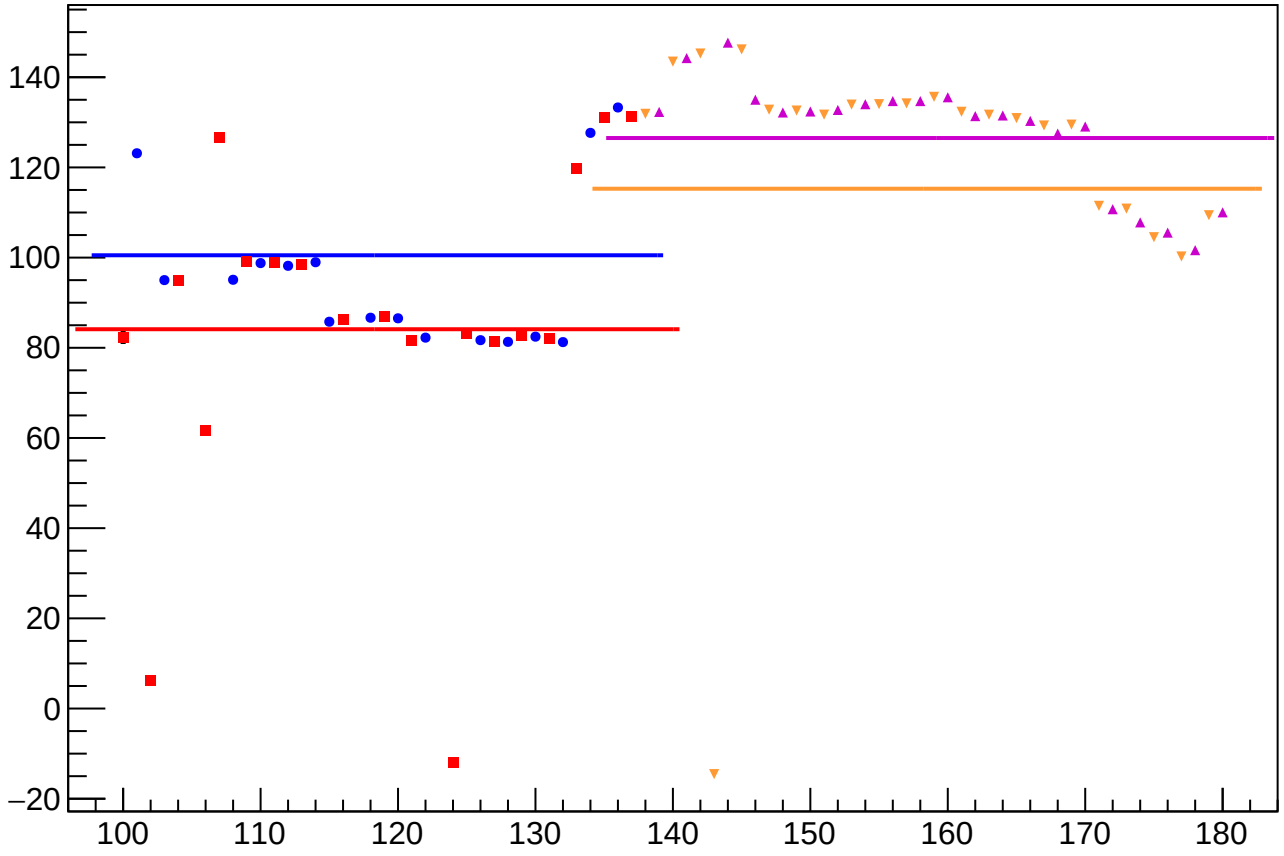
Left In: -79.258+/-0.927 χ^2/NDF:272.6/20

+ sign -70.287+/-0.713 χ^2/NDF: 1159.9/37

All: -72.003+/-0.509 χ^2/NDF: 1963.5/77

- 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: 115.275+/-0.042 χ^2/NDF:951745.2/21

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

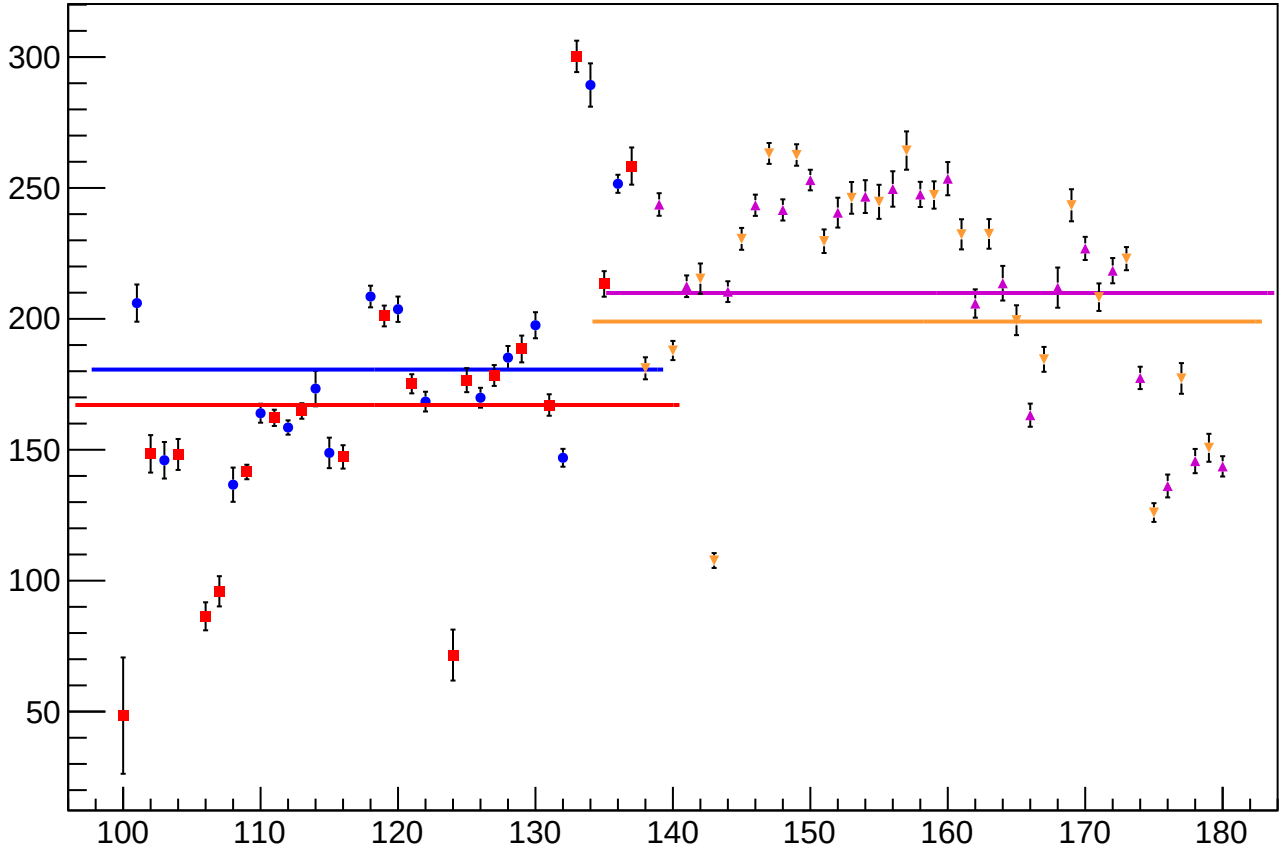
Left In: 126.519+/-0.042 χ^2/NDF:91751.8/20

+ sign 111.696+/-0.036 χ^2/NDF: 1049367.8/37

All: 113.389+/-0.026 χ^2/NDF: 1682985.9/77

- 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: 198.976+/-0.994 χ^2/NDF:2619.9/21

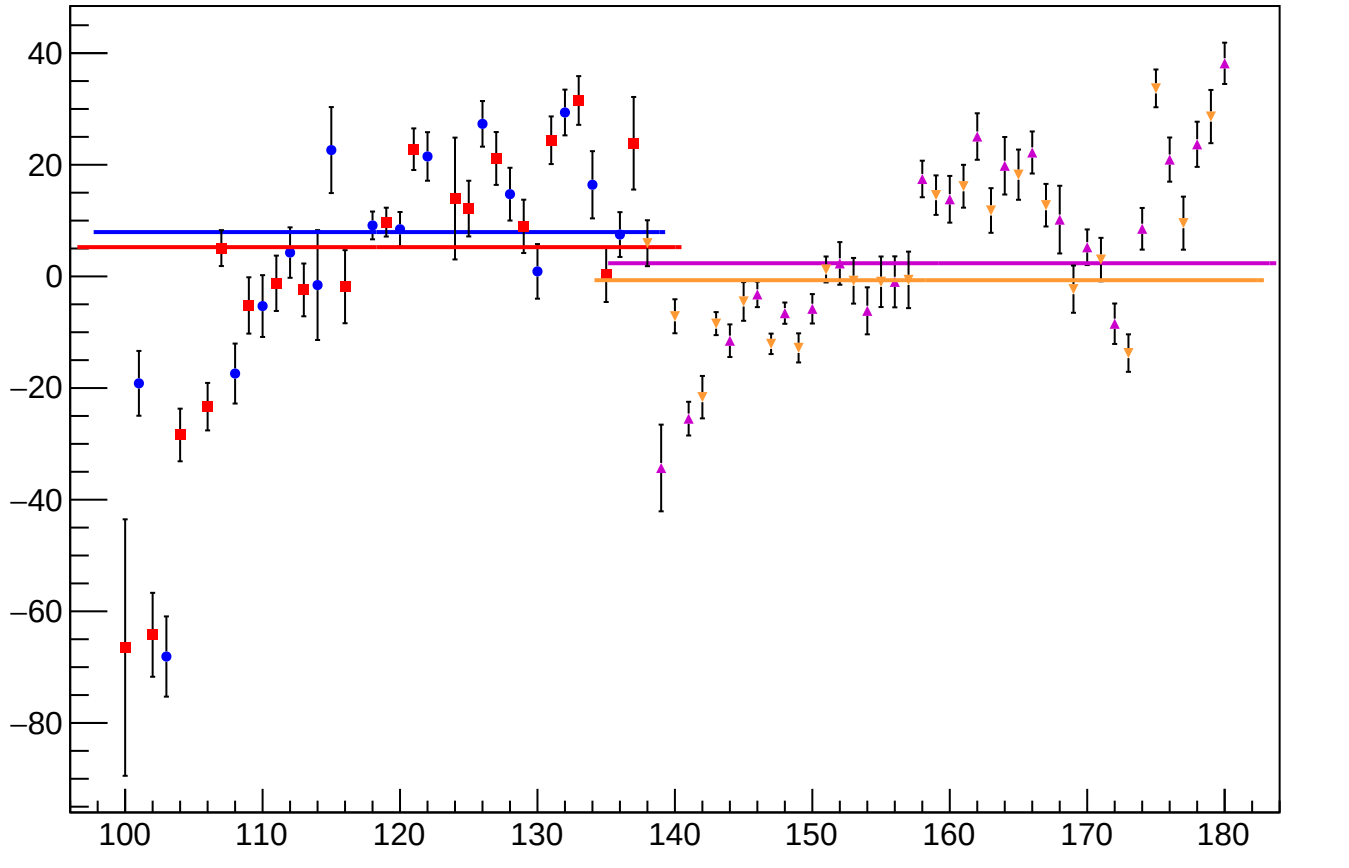
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 209.882+/-1.027 χ^2/NDF:1476.4/20

+ sign 190.647+/-0.734 χ^2/NDF: 3768.0/37

All: 189.491+/-0.515 χ^2/NDF: 7606.8/77

- 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: -0.679+/-0.699 χ^2/NDF:353.4/21

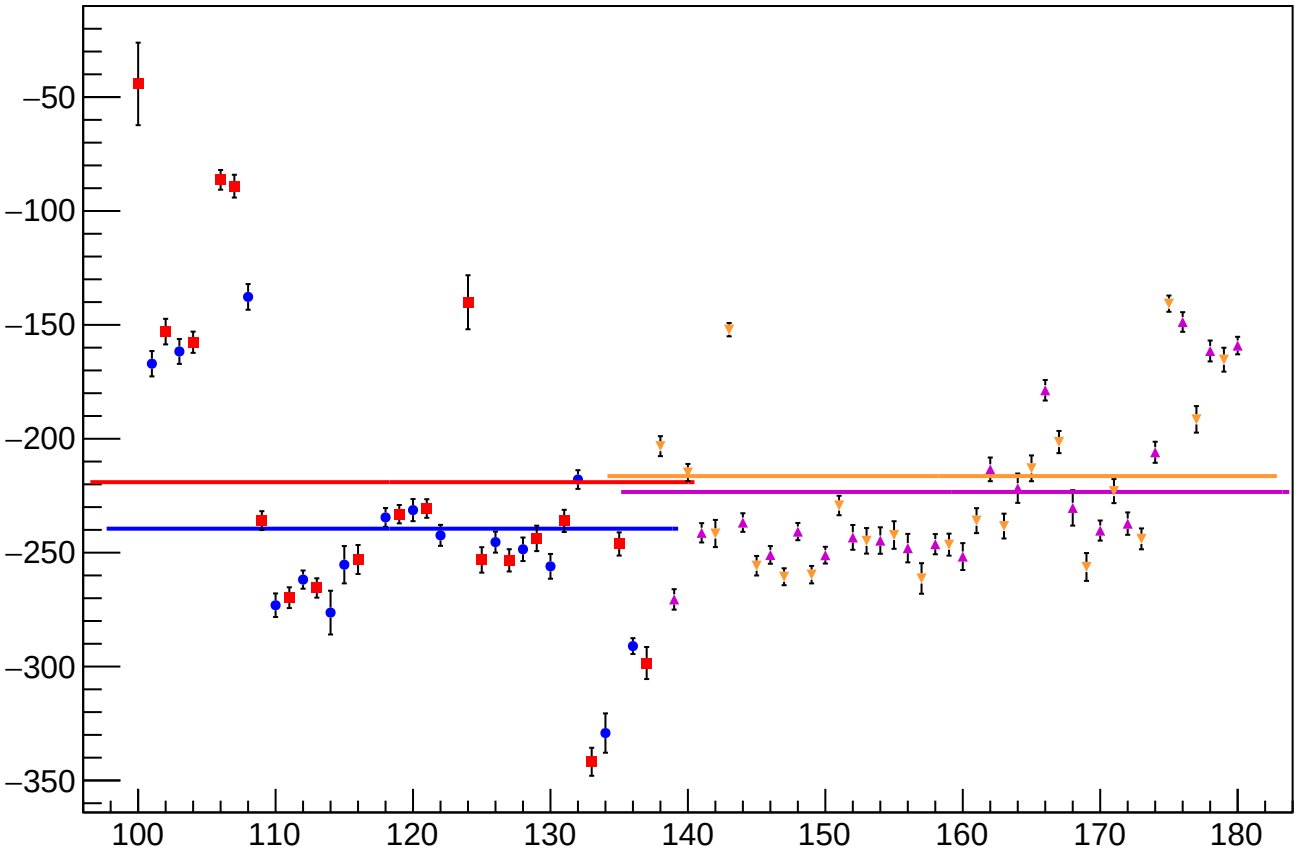
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 2.362+/-0.742 χ^2/NDF:427.3/20

+ sign 1.758+/-0.592 χ^2/NDF: 629.3/37

All: 2.512+/-0.424 χ^2/NDF: 1367.9/77

- 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: -216.383+/-0.983 χ^2/NDF:1682.6/21

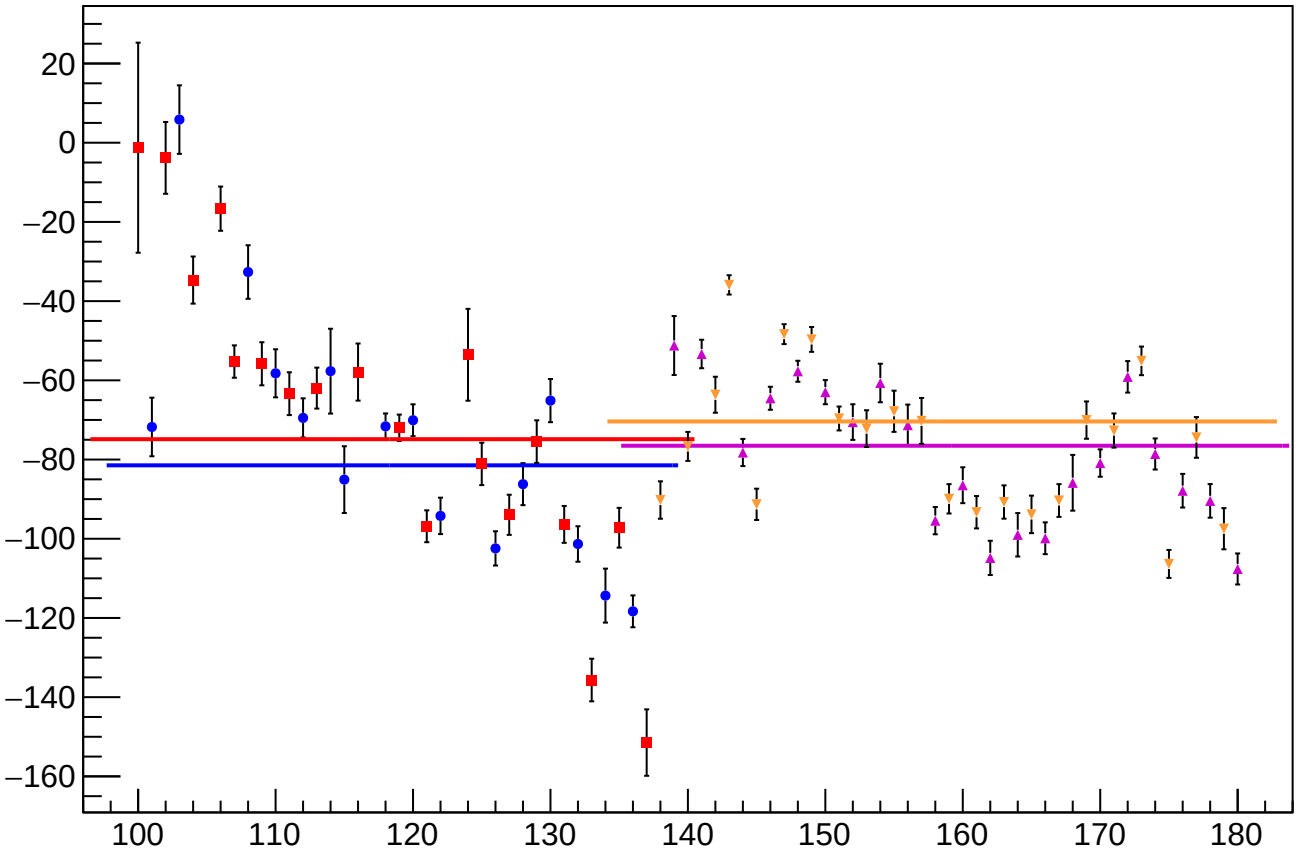
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -223.356+/-1.011 χ^2/NDF:1260.3/20

+ sign -225.240+/-0.771 χ^2/NDF: 3056.6/37

All: -223.372+/-0.544 χ^2/NDF: 7385.6/77

- 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: -70.383+/-0.815 χ^2/NDF:652.2/21

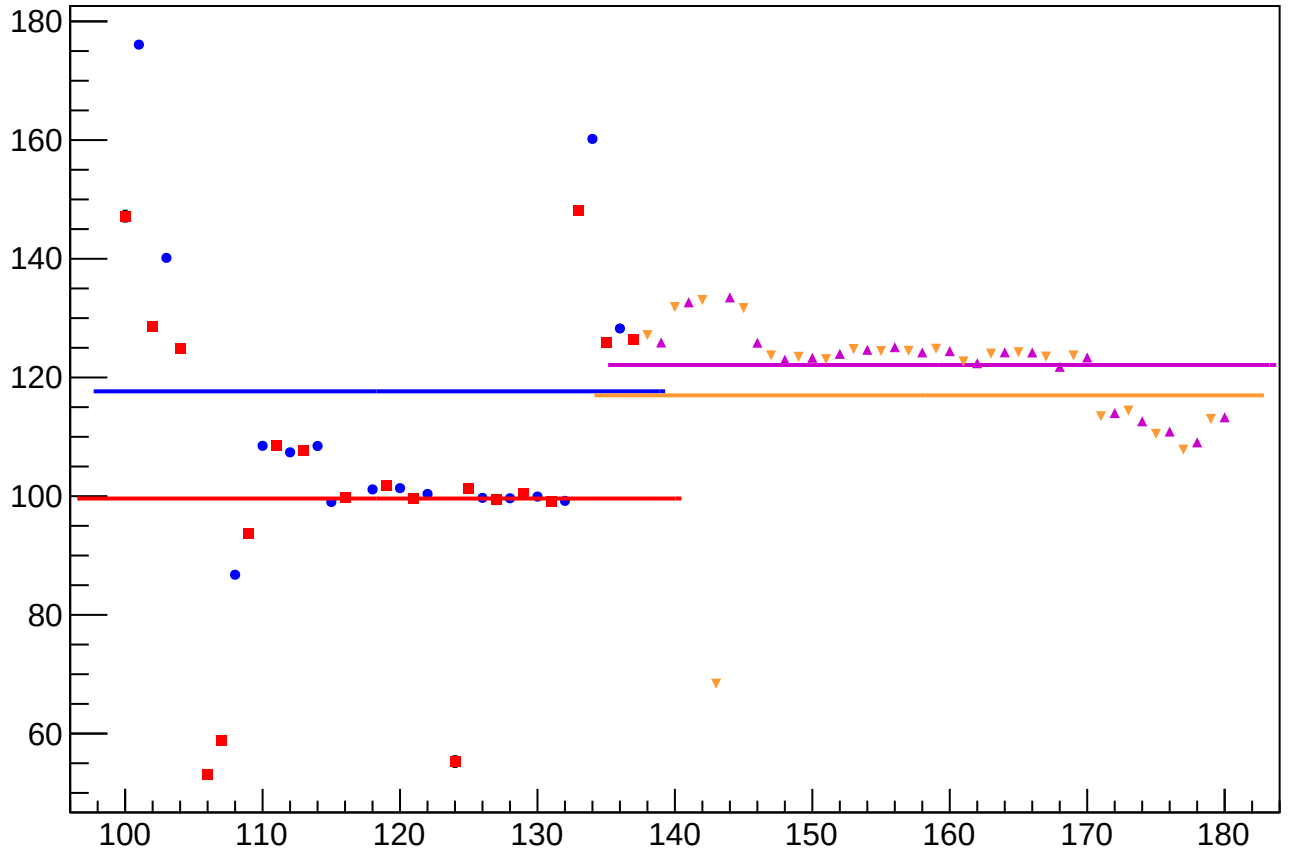
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -76.512+/-0.855 χ^2/NDF:386.2/20

+ sign -73.554+/-0.688 χ^2/NDF: 1071.6/37

All: -74.741+/-0.492 χ^2/NDF: 2041.6/77

- 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: 116.987+/-0.038 χ^2/NDF:203330.5/21

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

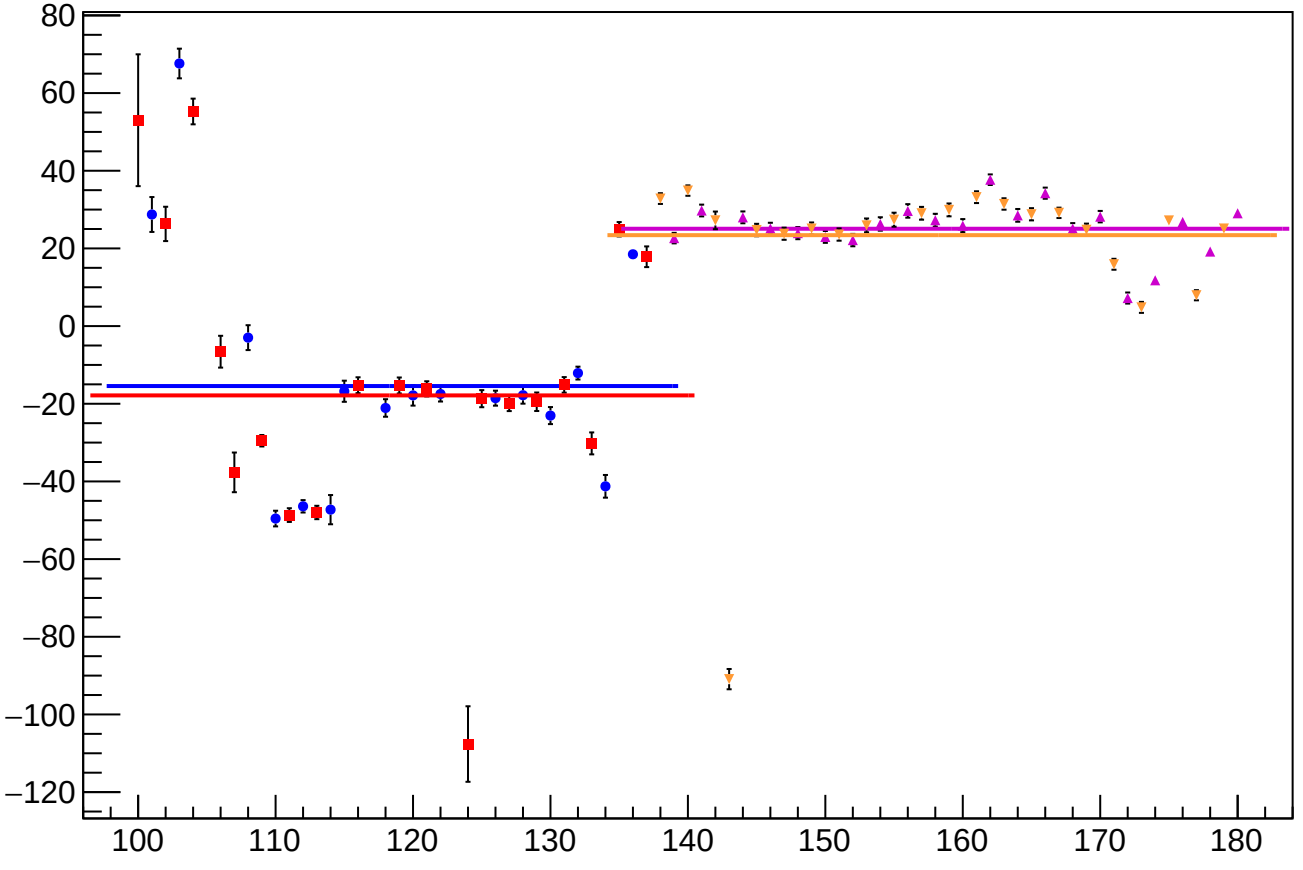
Left In: 122.103+/-0.039 χ^2/NDF:25737.6/20

+ sign 117.119+/-0.034 χ^2/NDF: 298788.3/37

All: 116.952+/-0.024 χ^2/NDF: 569032.8/77

- 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: 23.414+/-0.316 χ^2/NDF:2531.7/21

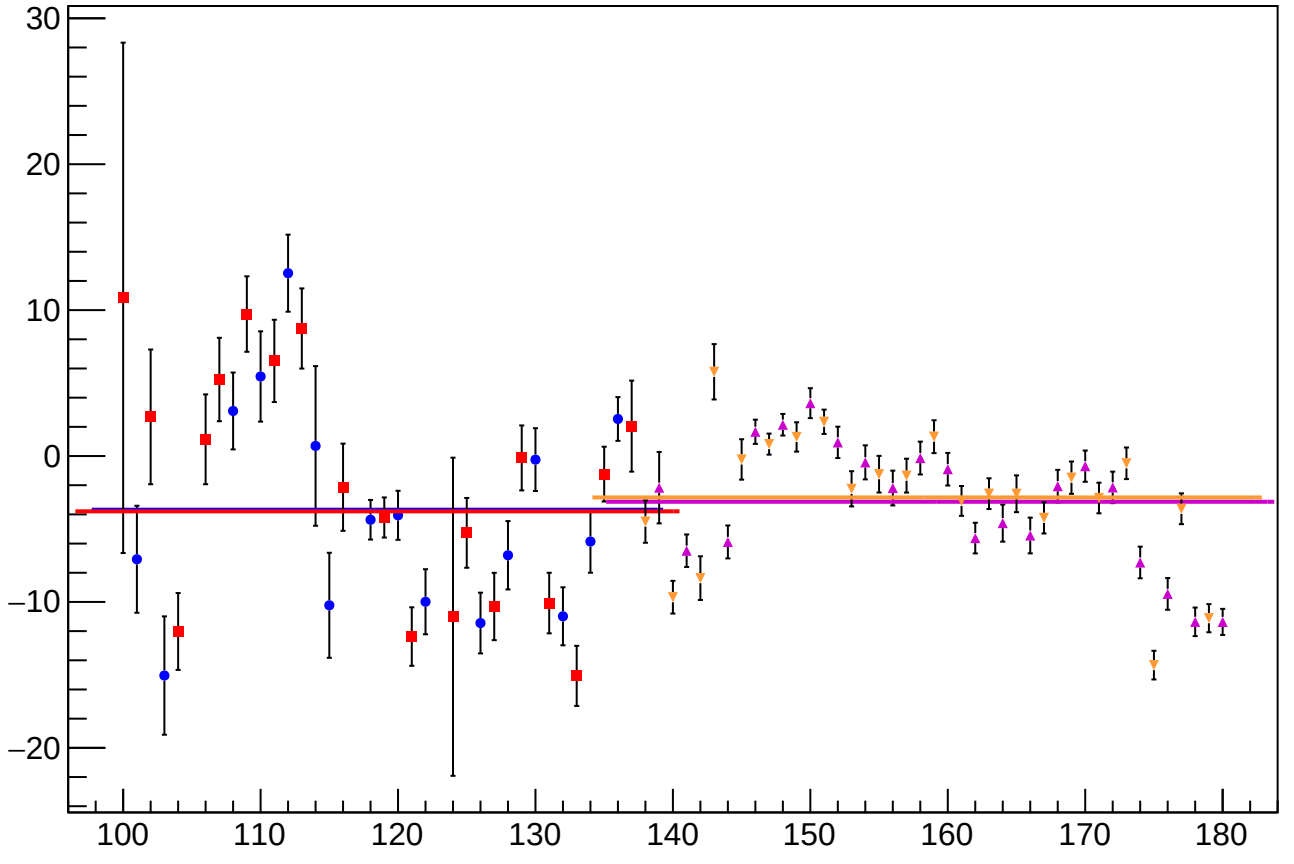
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.063+/-0.306 χ^2/NDF:489.2/20

+ sign 13.472+/-0.273 χ^2/NDF: 8521.4/37

All: 13.902+/-0.190 χ^2/NDF: 16060.1/77

- 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: -2.838+/-0.231 χ^2/NDF:393.9/21

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

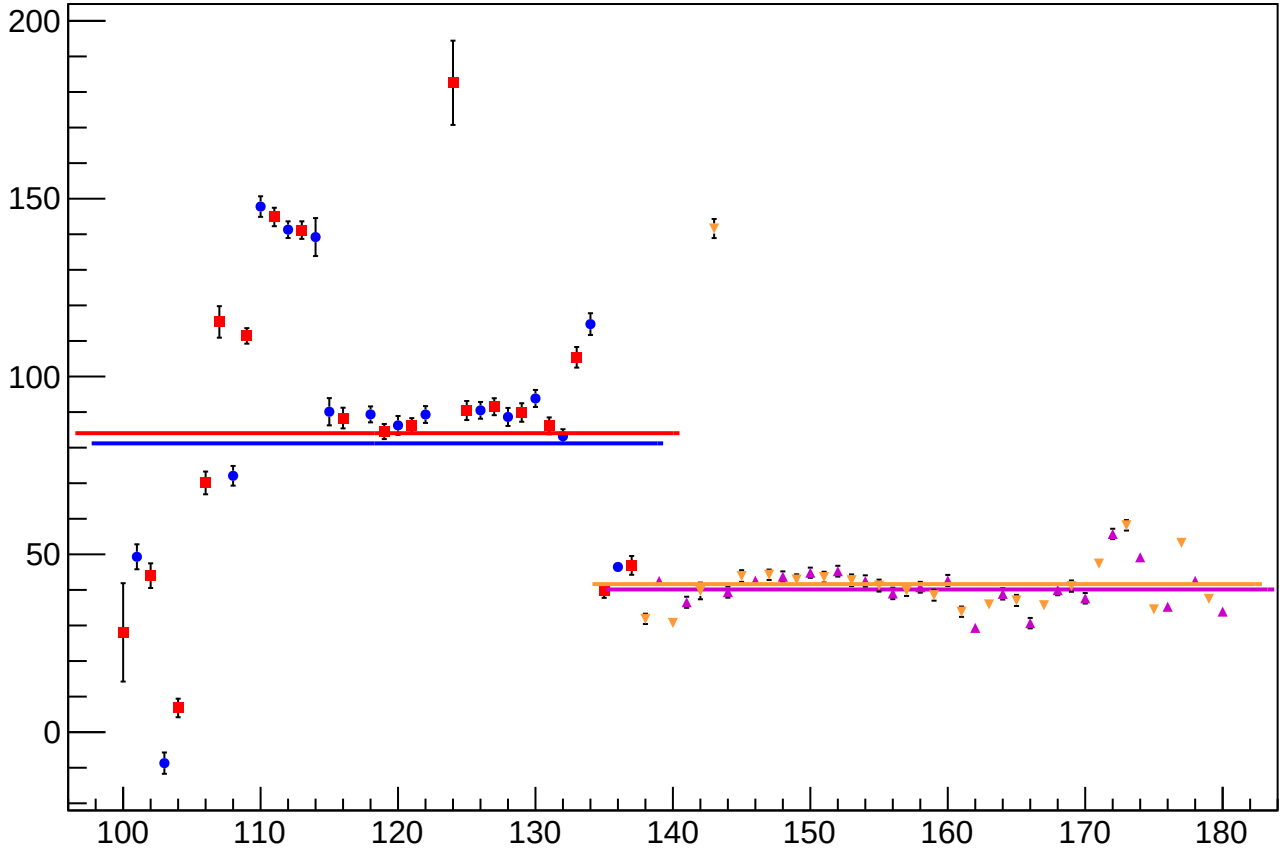
Left In: -3.134+/-0.232 χ^2/NDF:395.6/20

+ sign -2.964+/-0.213 χ^2/NDF: 519.9/37

All: -3.096+/-0.151 χ^2/NDF: 1078.6/77

- 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: 41.628+/-0.311 χ^2/NDF:1865.4/21

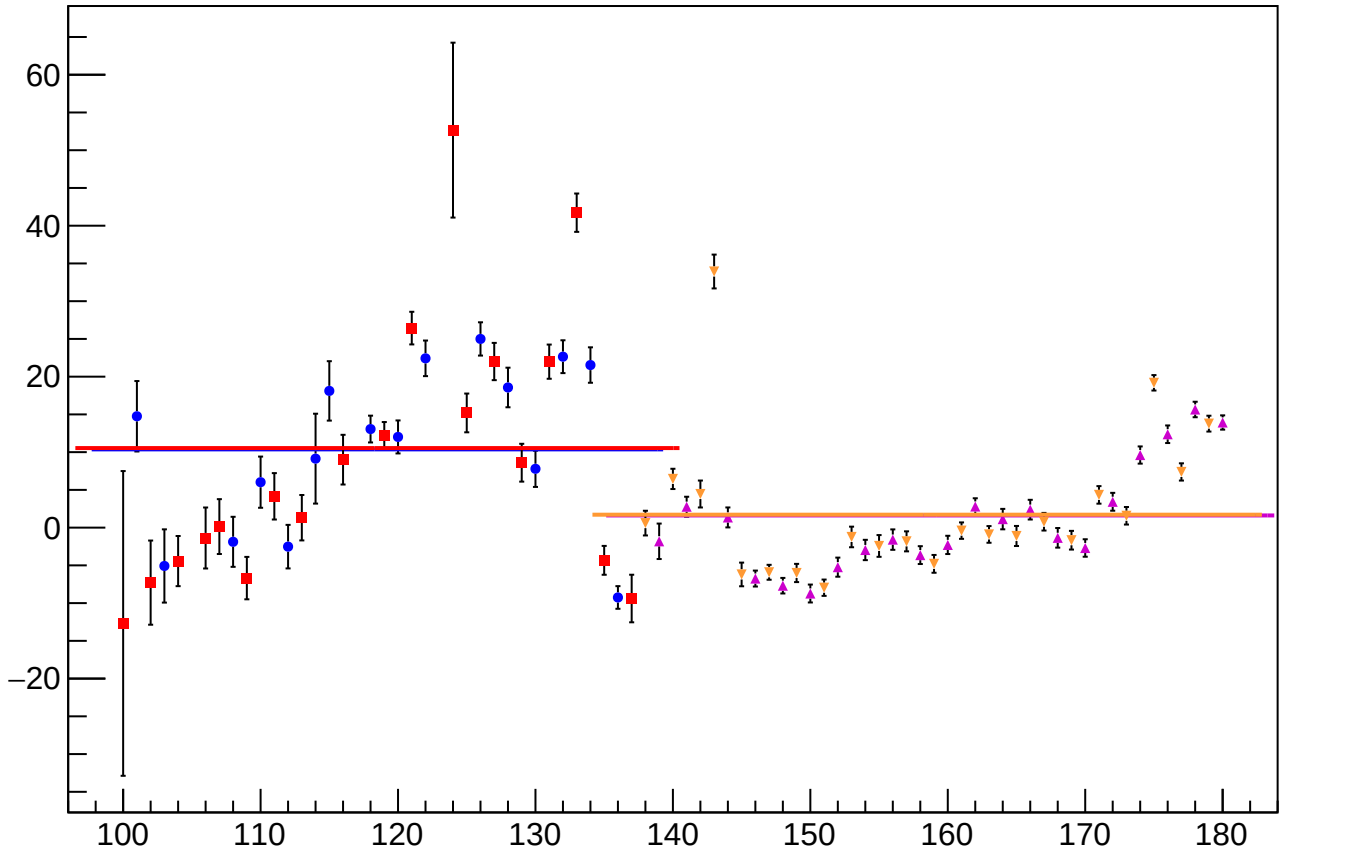
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.124+/-0.302 χ^2/NDF:387.2/20

+ sign 49.851+/-0.277 χ^2/NDF: 8462.7/37

All: 49.228+/-0.194 χ^2/NDF: 16166.2/77

- 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: 1.714+/-0.263 χ^2/NDF:953.5/21

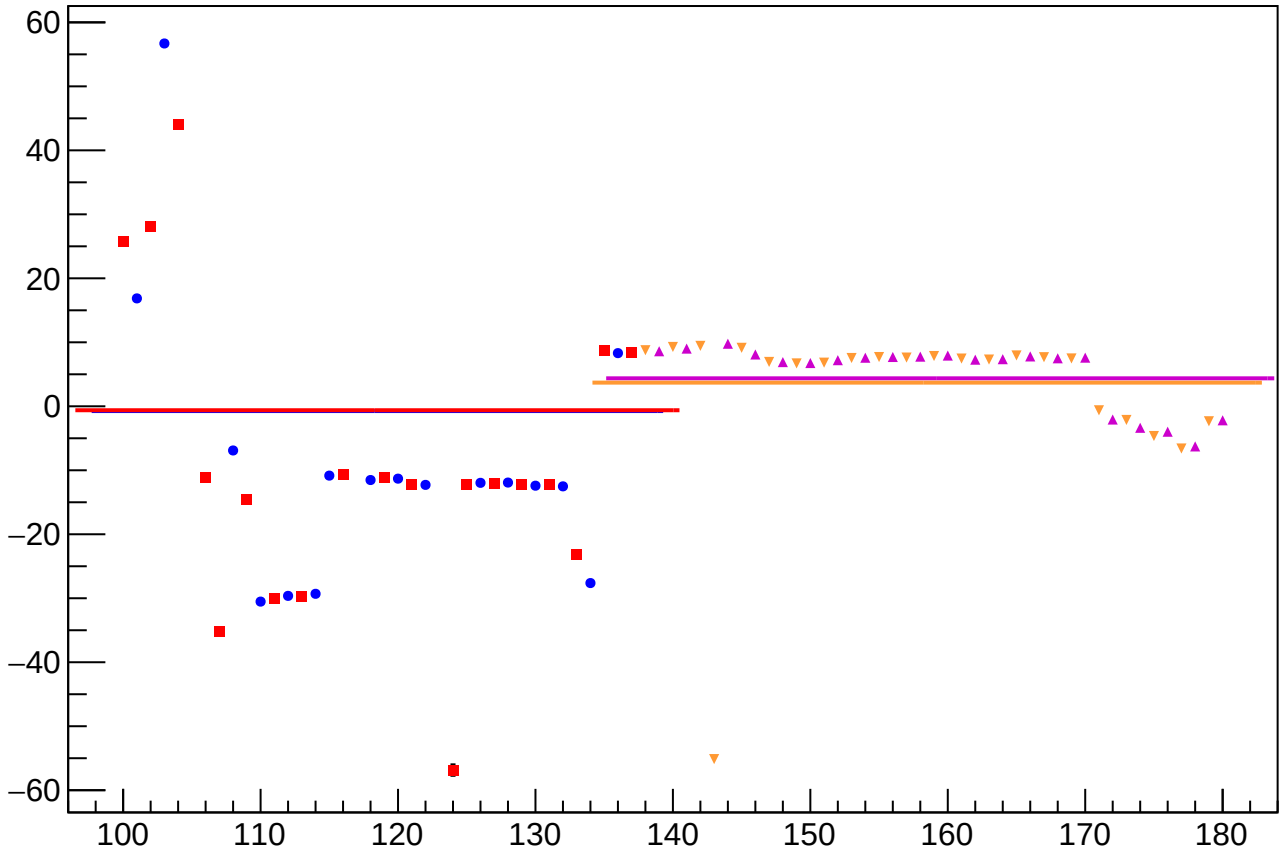
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.614+/-0.262 χ^2/NDF:814.6/20

\+ sign 3.011+/-0.243 χ^2/NDF: 1475.5/37

All: 2.951+/-0.171 χ^2/NDF: 2927.4/77

\- 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: 3.700+/-0.012 χ^2/NDF:476608.4/21

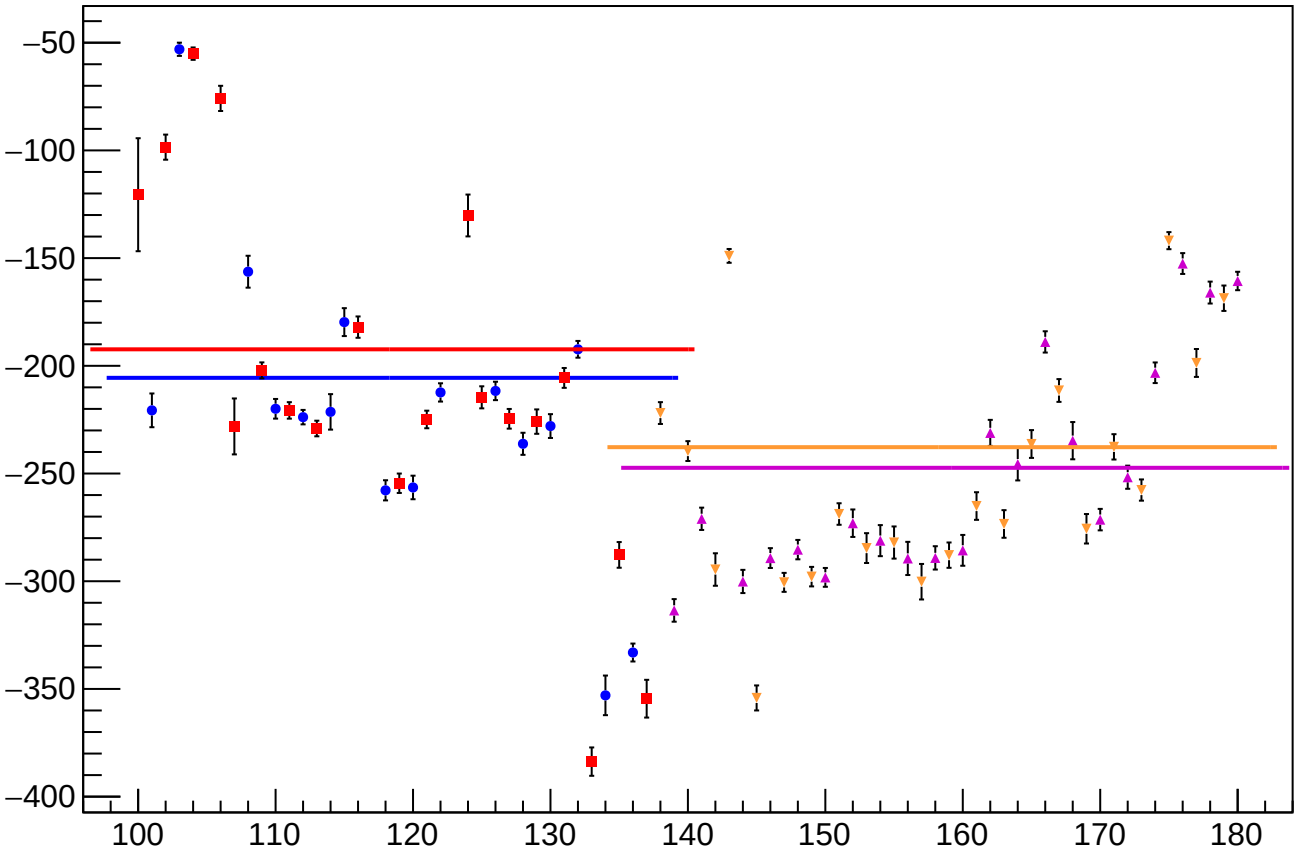
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 4.370+/-0.012 χ^2/NDF:205712.3/20

+ sign 3.263+/-0.011 χ^2/NDF: 858441.6/37

All: 3.603+/-0.008 χ^2/NDF: 1398727.0/77

- sign 3.932+/-0.011 χ^2/NDF: 538488.1/39



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -237.768+/-1.140 χ^2/NDF:2743.3/21

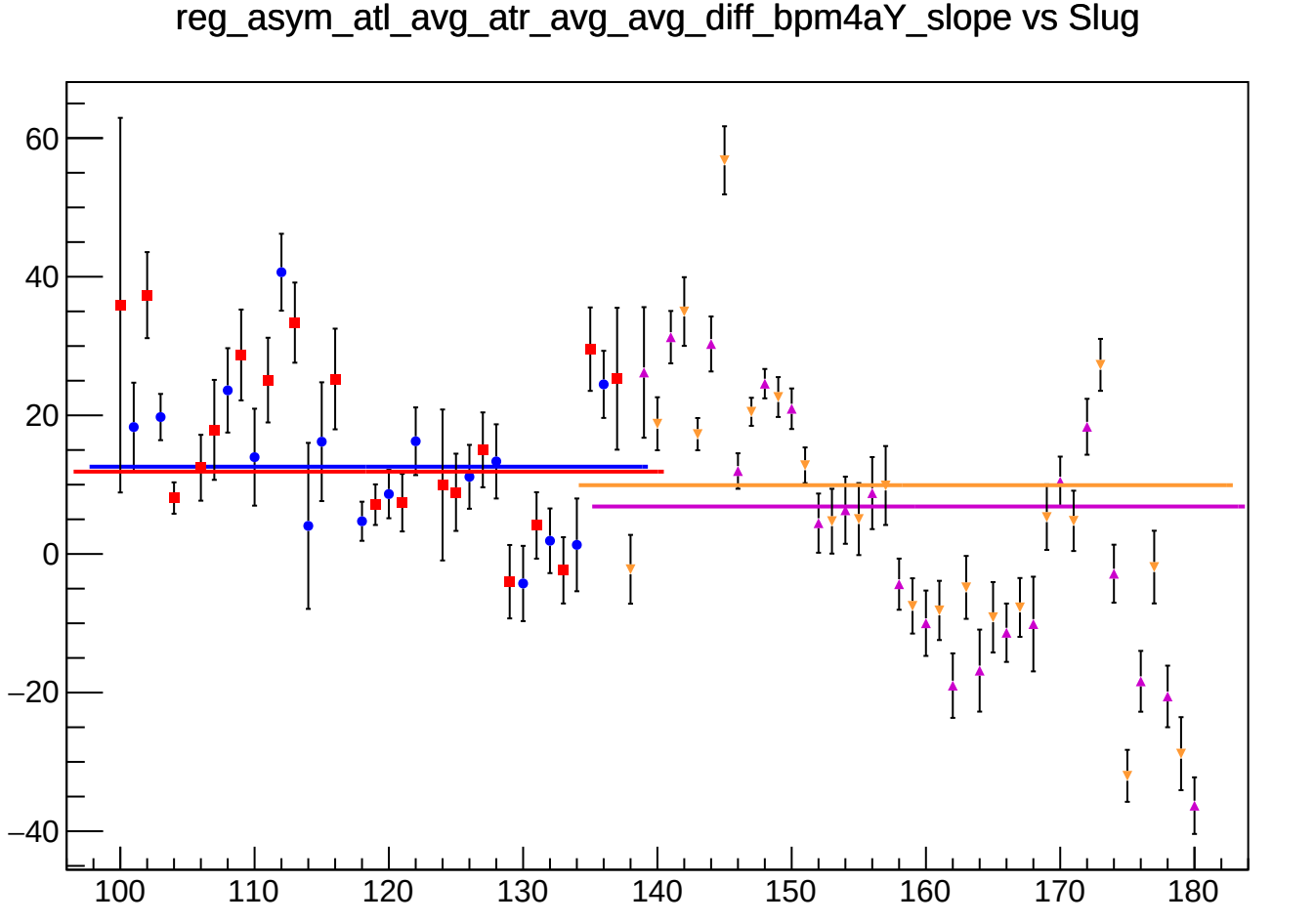
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -247.348+/-1.174 χ^2/NDF:2032.0/20

+ sign -222.292+/-0.821 χ^2/NDF: 7182.7/37

All: -220.425+/-0.577 χ^2/NDF: 15341.0/77

- 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: 9.923+/-0.796 χ^2/NDF:475.1/21

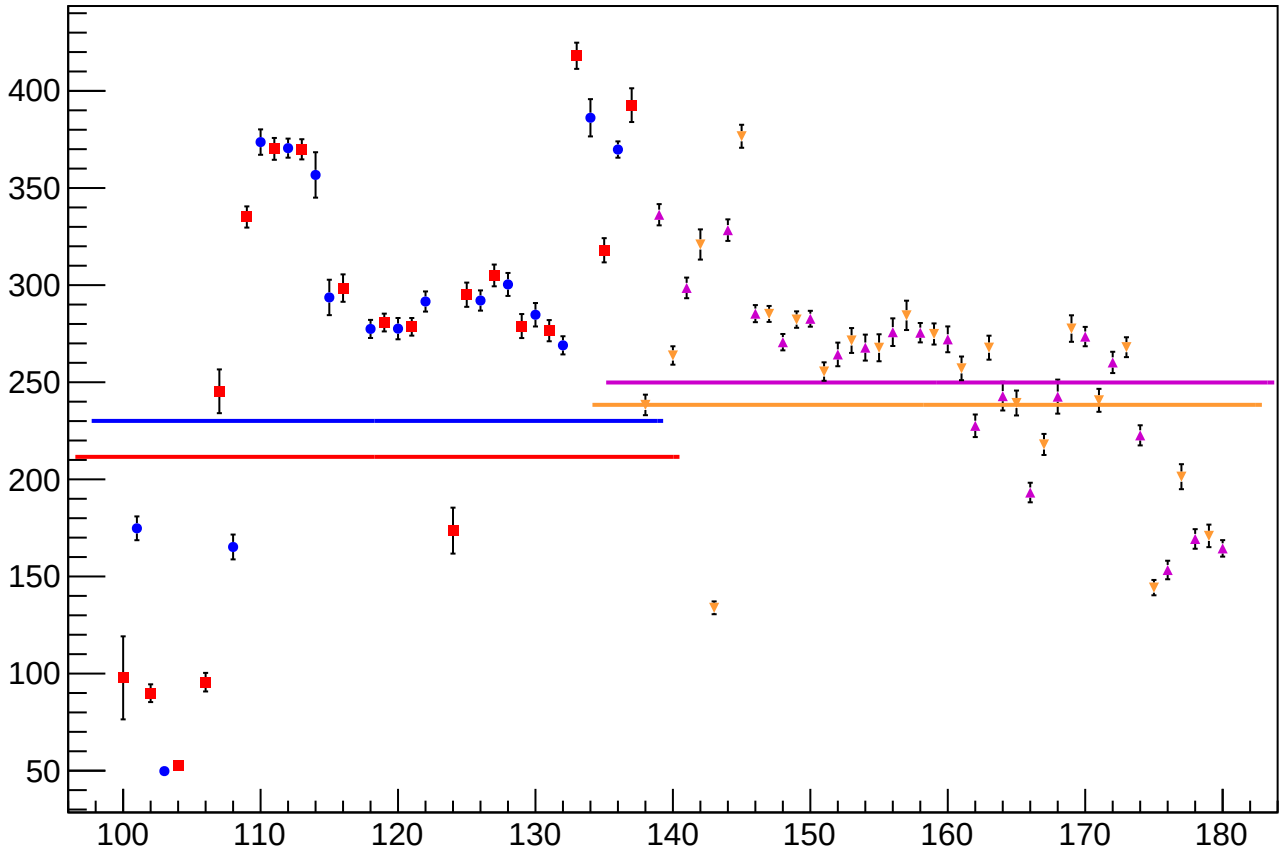
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 6.850+/-0.845 χ^2/NDF:469.6/20

+ sign 10.736+/-0.664 χ^2/NDF: 547.0/37

All: 9.721+/-0.473 χ^2/NDF: 1119.1/77

- 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: 238.370+/-1.124 χ^2/NDF:2916.5/21

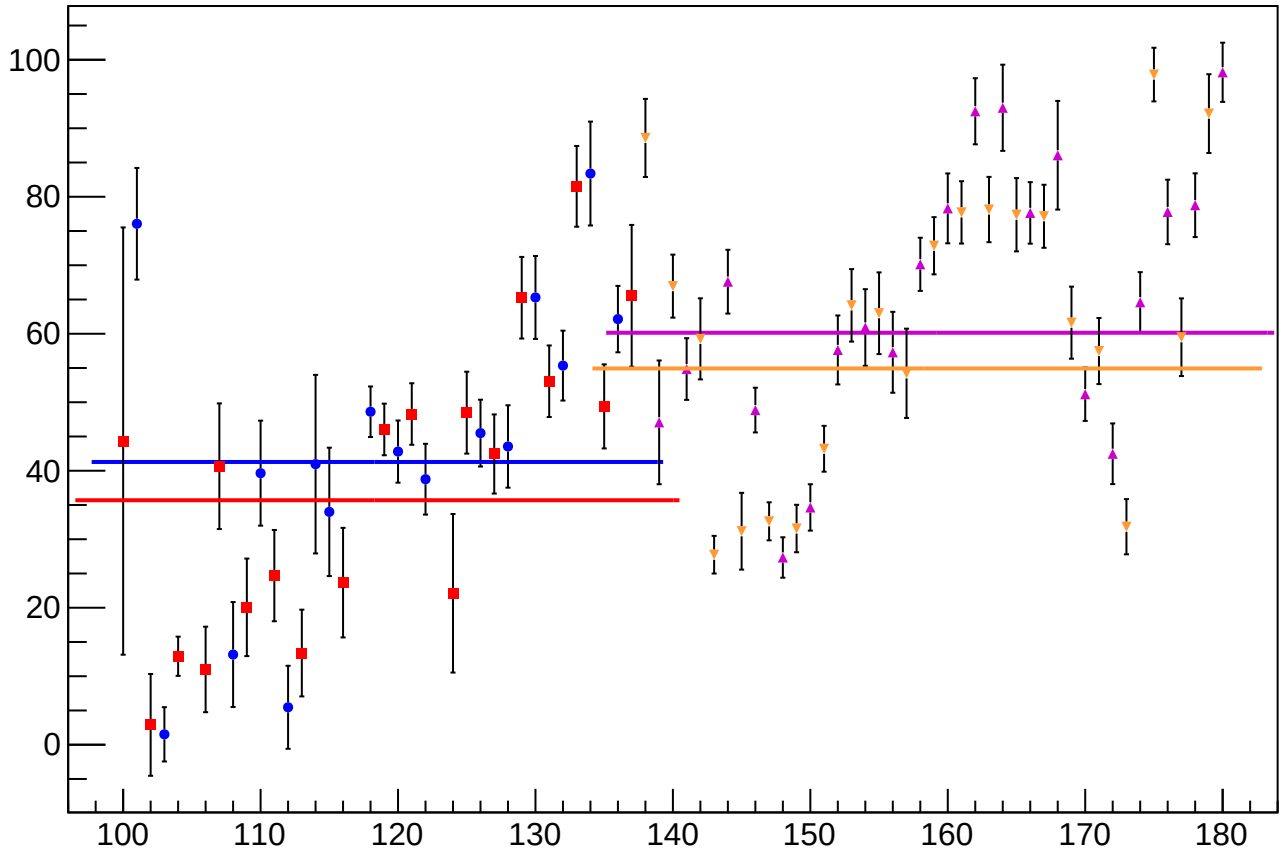
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 249.869+/-1.154 χ^2/NDF:2016.2/20

+ sign 234.700+/-0.839 χ^2/NDF: 12316.2/37

All: 233.035+/-0.590 χ^2/NDF: 26343.2/77

- sign 231.403+/-0.830 χ^2/NDF: 14019.2/39



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 54.932+/-0.929 χ^2/NDF:590.7/21

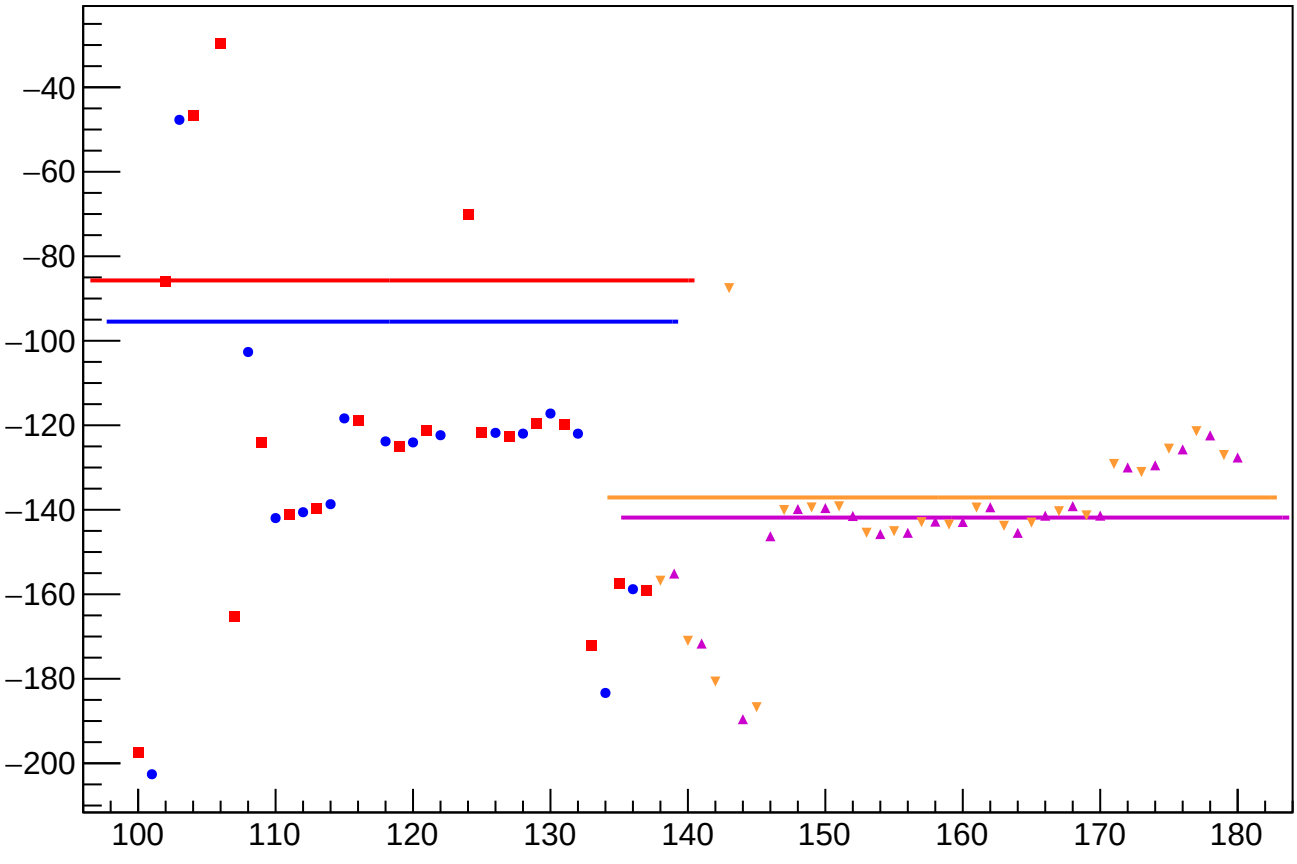
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 60.147+/-0.973 χ^2/NDF:445.8/20

+ sign 50.751+/-0.773 χ^2/NDF: 902.7/37

All: 51.124+/-0.550 χ^2/NDF: 1825.1/77

- sign 51.507+/-0.783 χ^2/NDF: 922.0/39



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.086+/-0.044 χ^2/NDF:247496.8/21

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

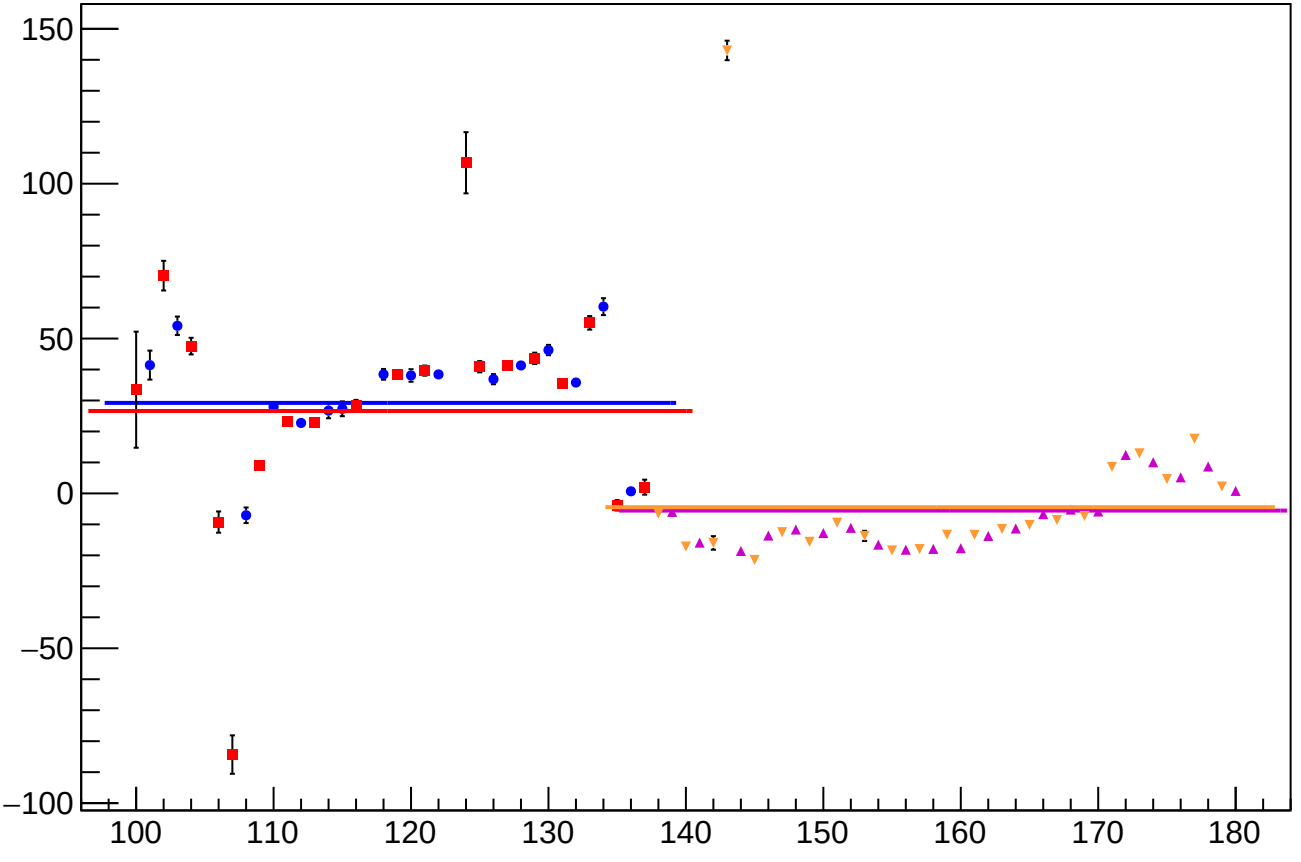
Left In: -141.843+/-0.045 χ^2/NDF:89477.3/20

+ sign -125.212+/-0.037 χ^2/NDF: 1024086.9/37

All: -124.905+/-0.026 χ^2/NDF: 2083182.1/77

- 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: -4.451+/-0.296 χ^2/NDF:3561.6/21

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

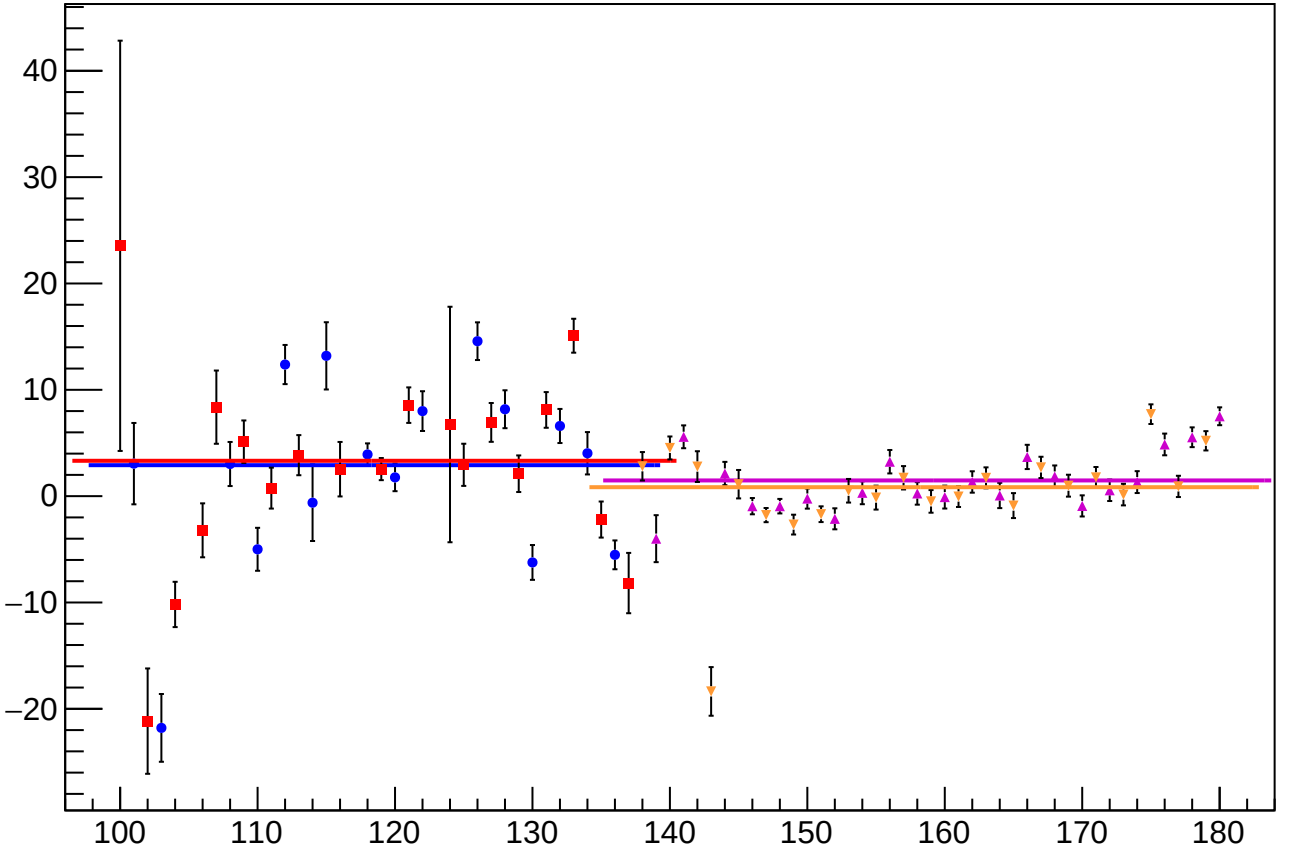
Left In: -5.542+/-0.287 χ^2/NDF:1195.7/20

+ sign 6.598+/-0.243 χ^2/NDF: 9138.8/37

All: 5.711+/-0.169 χ^2/NDF: 16356.0/77

- sign 4.877+/-0.236 χ^2/NDF: 7191.3/39

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.842+/-0.217 χ^2/NDF:217.7/21

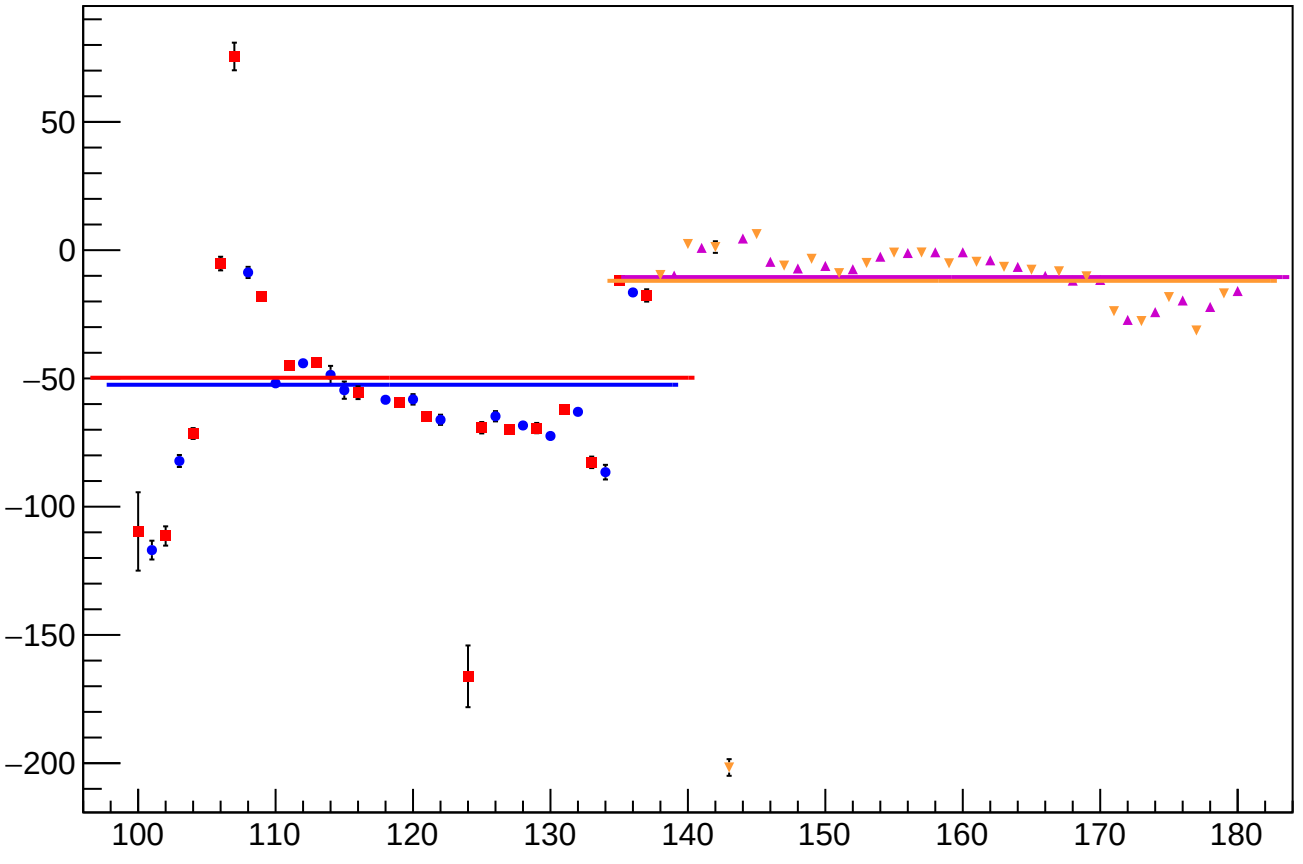
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.478+/-0.217 χ^2/NDF:161.1/20

\+ sign 1.242+/-0.195 χ^2/NDF: 485.3/37

All: 1.530+/-0.138 χ^2/NDF: 846.1/77

\- 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: -11.948+/-0.291 χ^2/NDF:4515.5/21

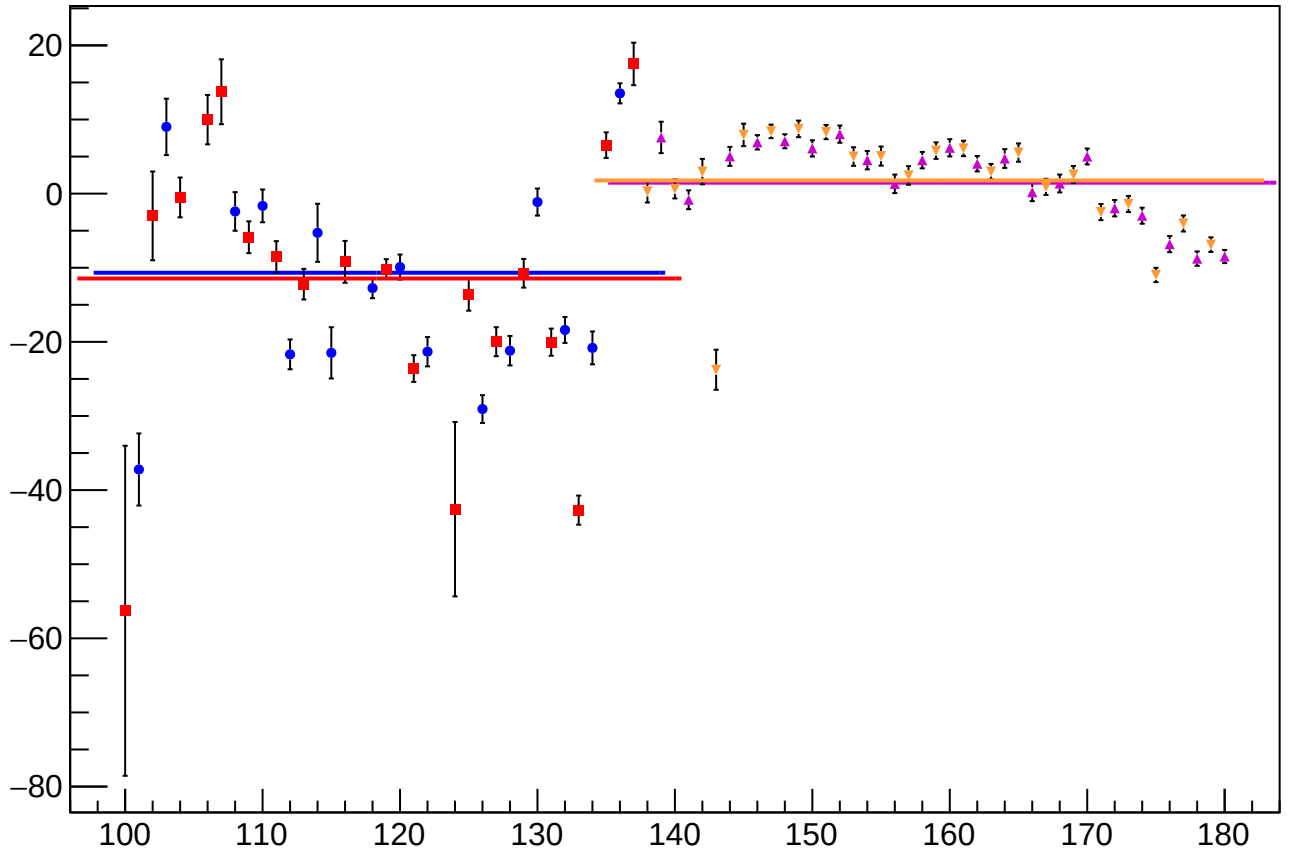
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -10.493+/-0.283 χ^2/NDF:891.4/20

+ sign -22.603+/-0.250 χ^2/NDF: 11931.3/37

All: -21.361+/-0.175 χ^2/NDF: 20634.5/77

- 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: 1.779+/-0.246 χ^2/NDF:605.6/21

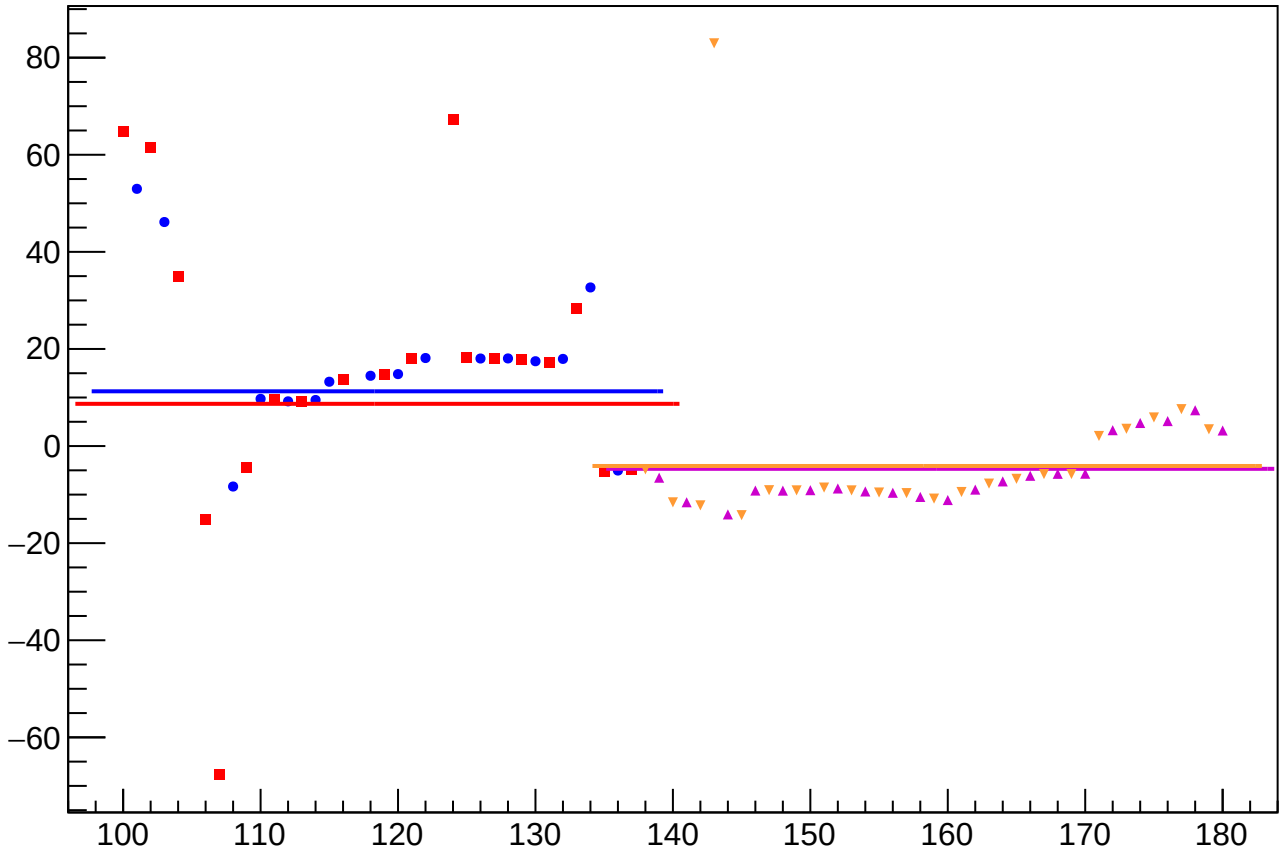
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 1.478+/-0.245 χ^2/NDF:510.0/20

+ sign -0.613+/-0.222 χ^2/NDF: 1762.4/37

All: -0.758+/-0.157 χ^2/NDF: 3451.0/77

- 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: -4.104+/-0.011 χ^2/NDF:756805.3/21

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

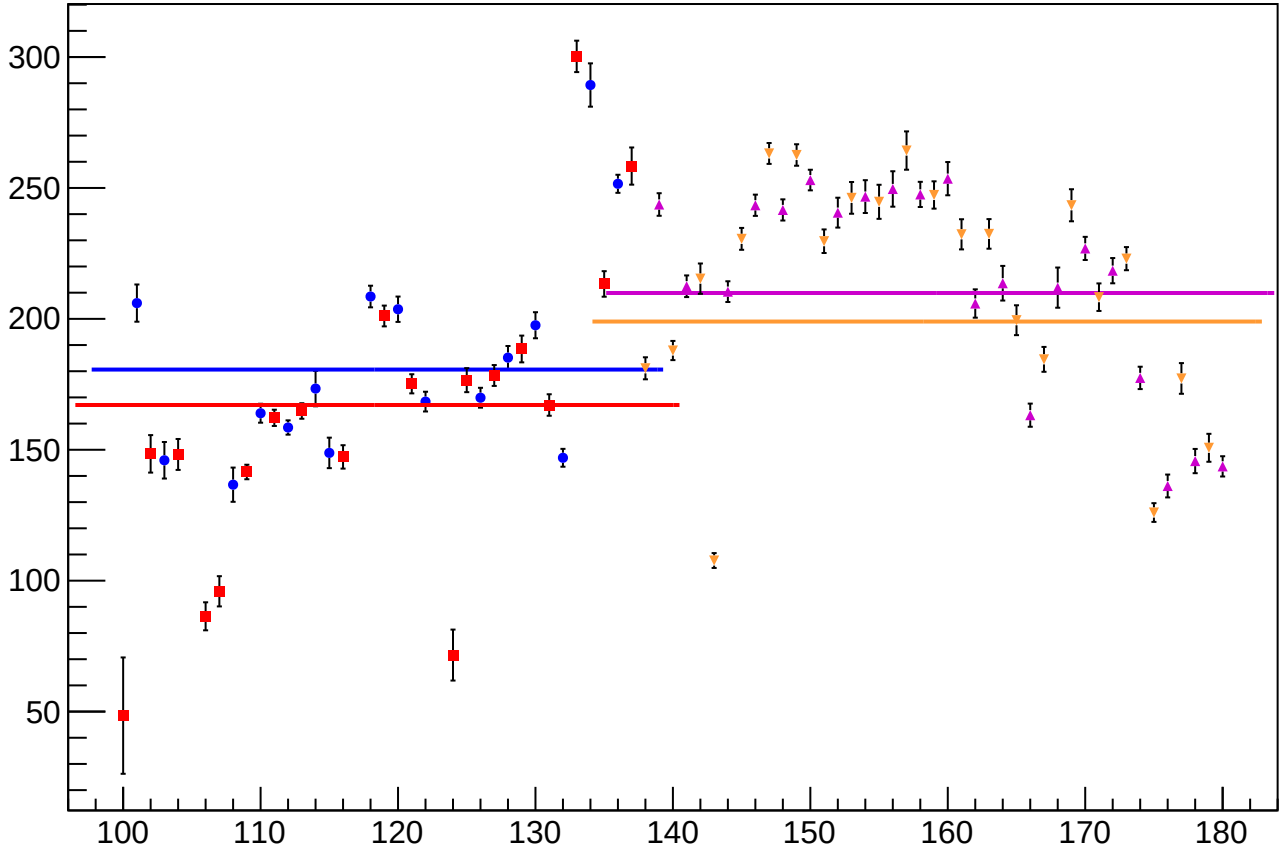
Left In: -4.690+/-0.011 χ^2/NDF:346928.7/20

\+ sign -2.251+/-0.010 χ^2/NDF: 1338559.1/37

All: -2.768+/-0.007 χ^2/NDF: 2288815.1/77

\- 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: 198.976+/-0.994 χ^2/NDF:2619.9/21

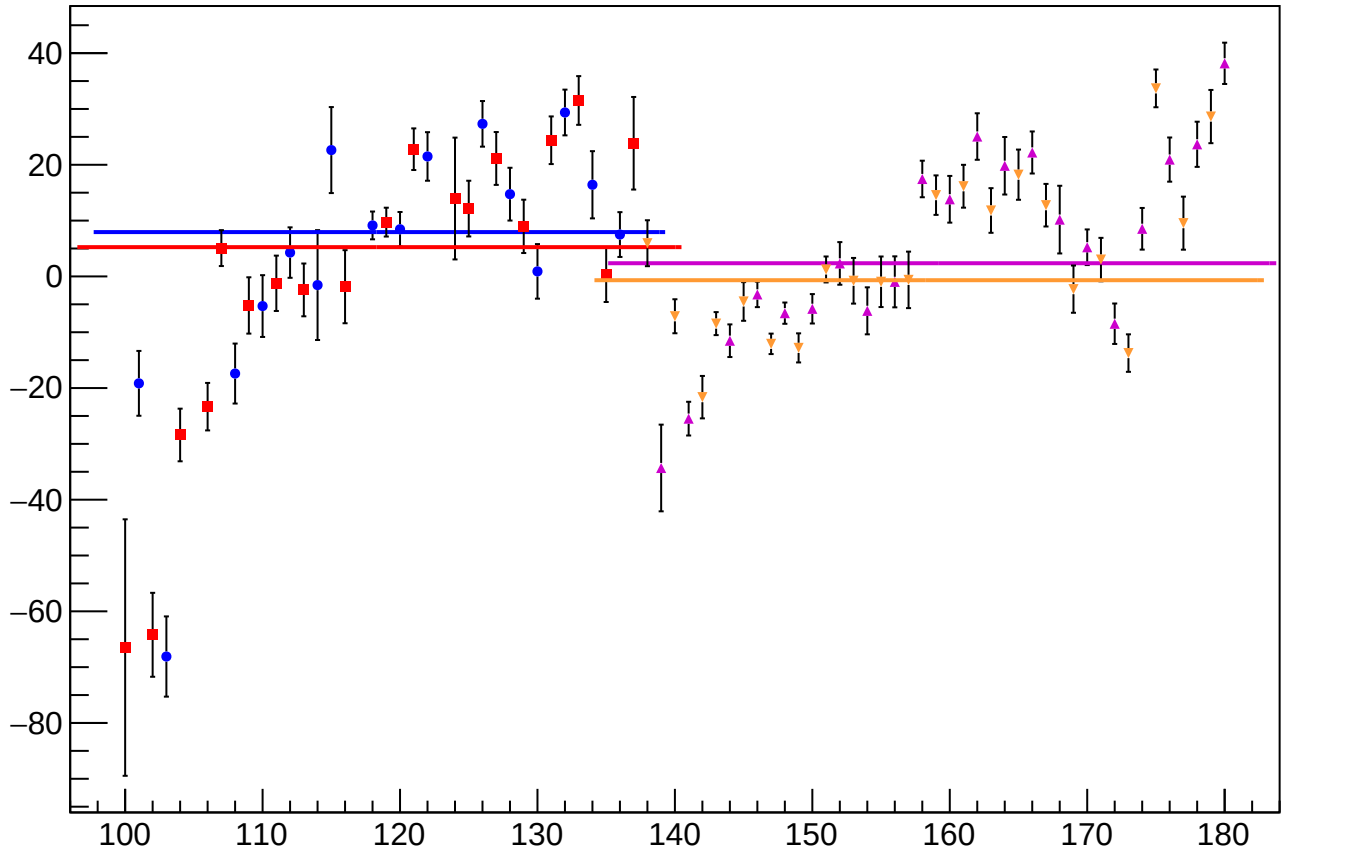
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 209.882+/-1.027 χ^2/NDF:1476.4/20

+ sign 190.647+/-0.734 χ^2/NDF: 3768.0/37

All: 189.491+/-0.515 χ^2/NDF: 7606.8/77

- 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: -0.679+/-0.699 χ^2/NDF:353.4/21

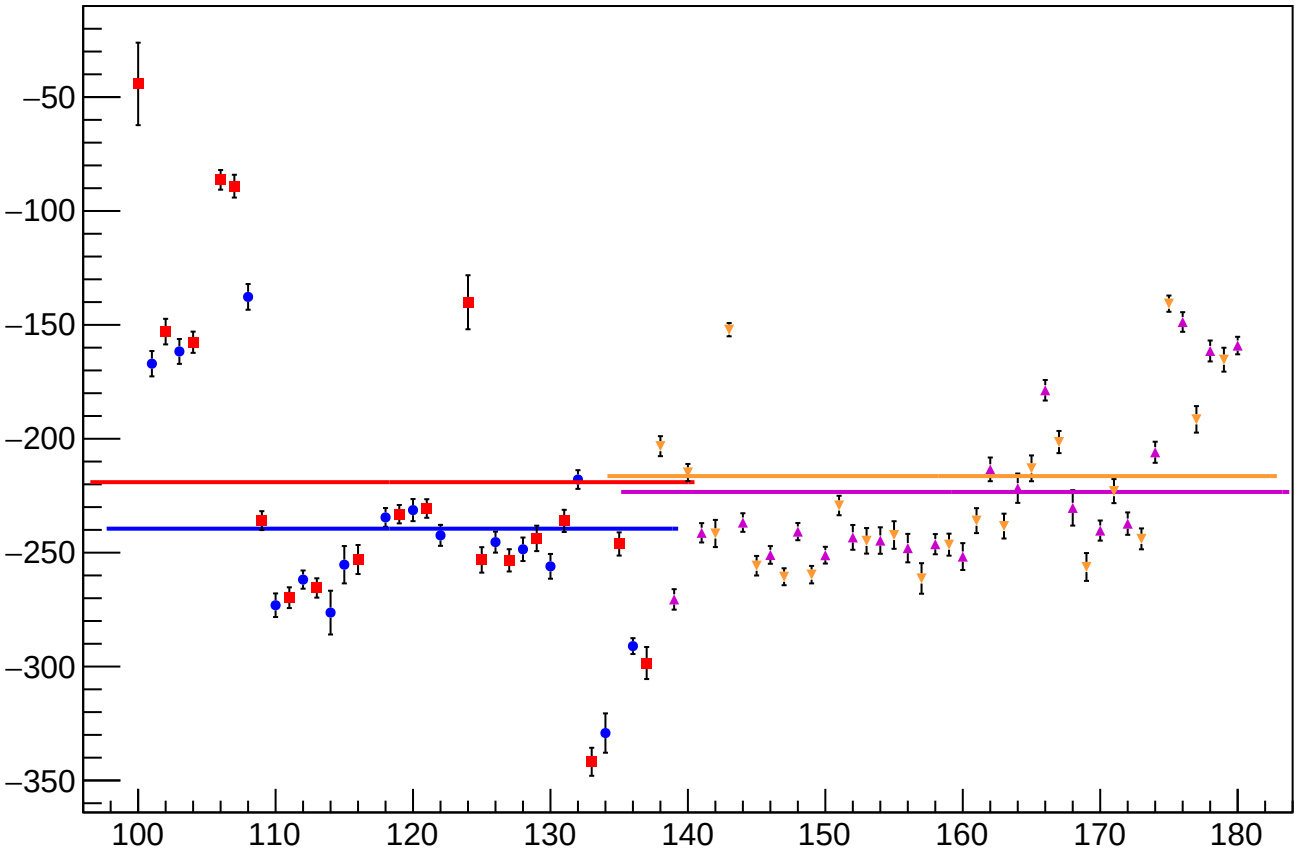
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 2.362+/-0.742 χ^2/NDF:427.3/20

\+ sign 1.758+/-0.592 χ^2/NDF: 629.3/37

All: 2.512+/-0.424 χ^2/NDF: 1367.9/77

\- 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: -216.383+/-0.983 χ^2/NDF:1682.6/21

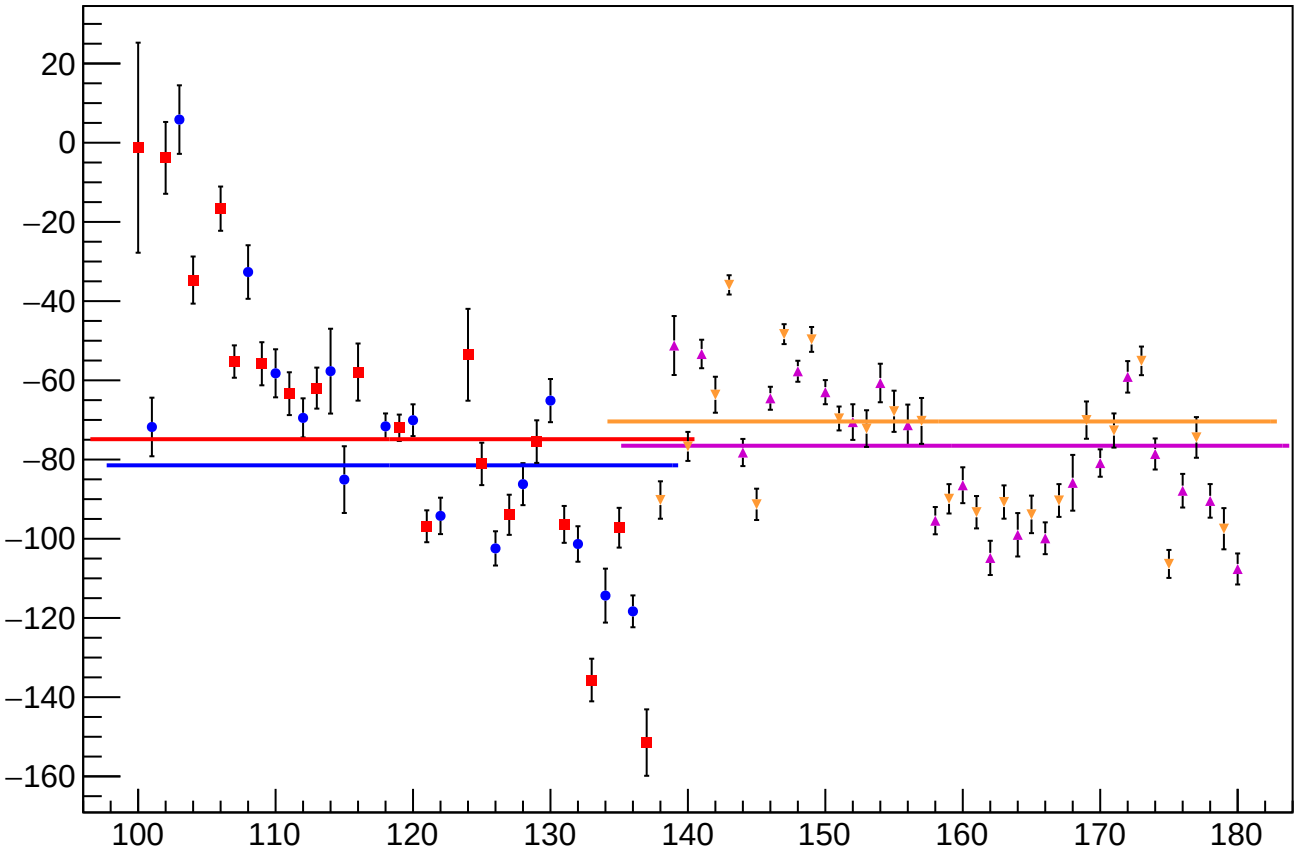
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -223.356+/-1.011 χ^2/NDF:1260.3/20

+ sign -225.240+/-0.771 χ^2/NDF: 3056.6/37

All: -223.372+/-0.544 χ^2/NDF: 7385.6/77

- 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: -70.383+/-0.815 χ^2/NDF:652.2/21

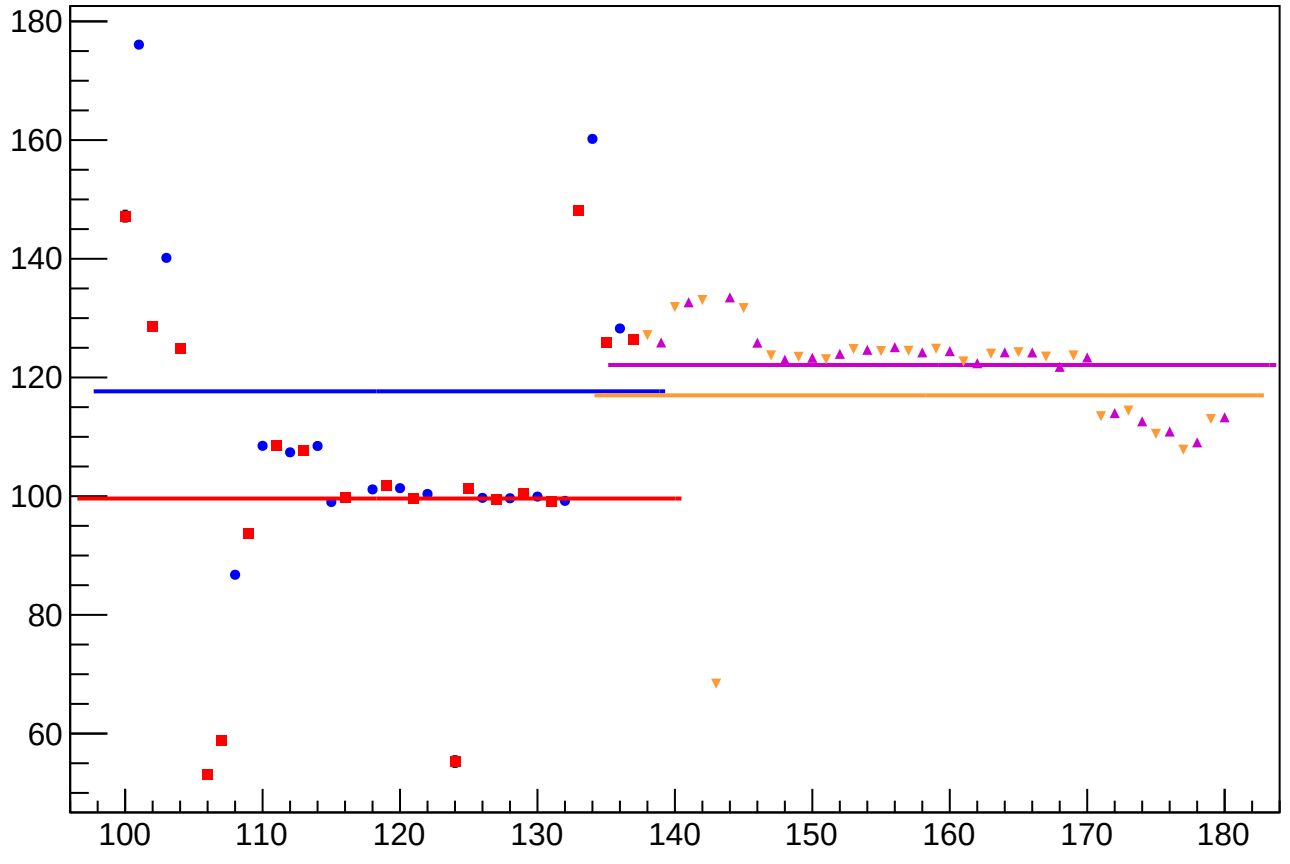
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -76.512+/-0.855 χ^2/NDF:386.2/20

+ sign -73.554+/-0.688 χ^2/NDF: 1071.6/37

All: -74.741+/-0.492 χ^2/NDF: 2041.6/77

- 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: 116.987+/-0.038 χ^2/NDF:203330.5/21

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

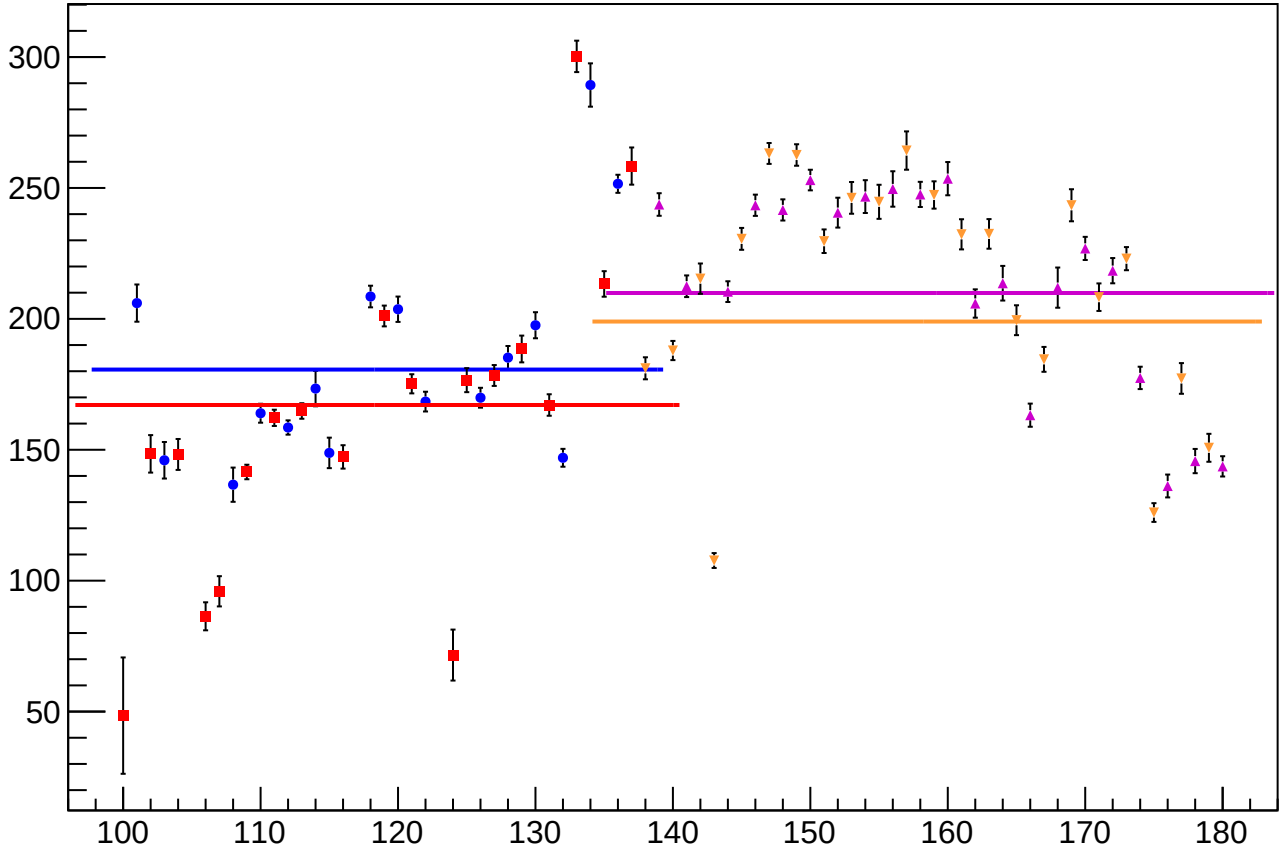
Left In: 122.103+/-0.039 χ^2/NDF:25737.6/20

+ sign 117.119+/-0.034 χ^2/NDF: 298788.3/37

All: 116.952+/-0.024 χ^2/NDF: 569032.8/77

- 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: 198.976+/-0.994 χ^2/NDF:2619.9/21

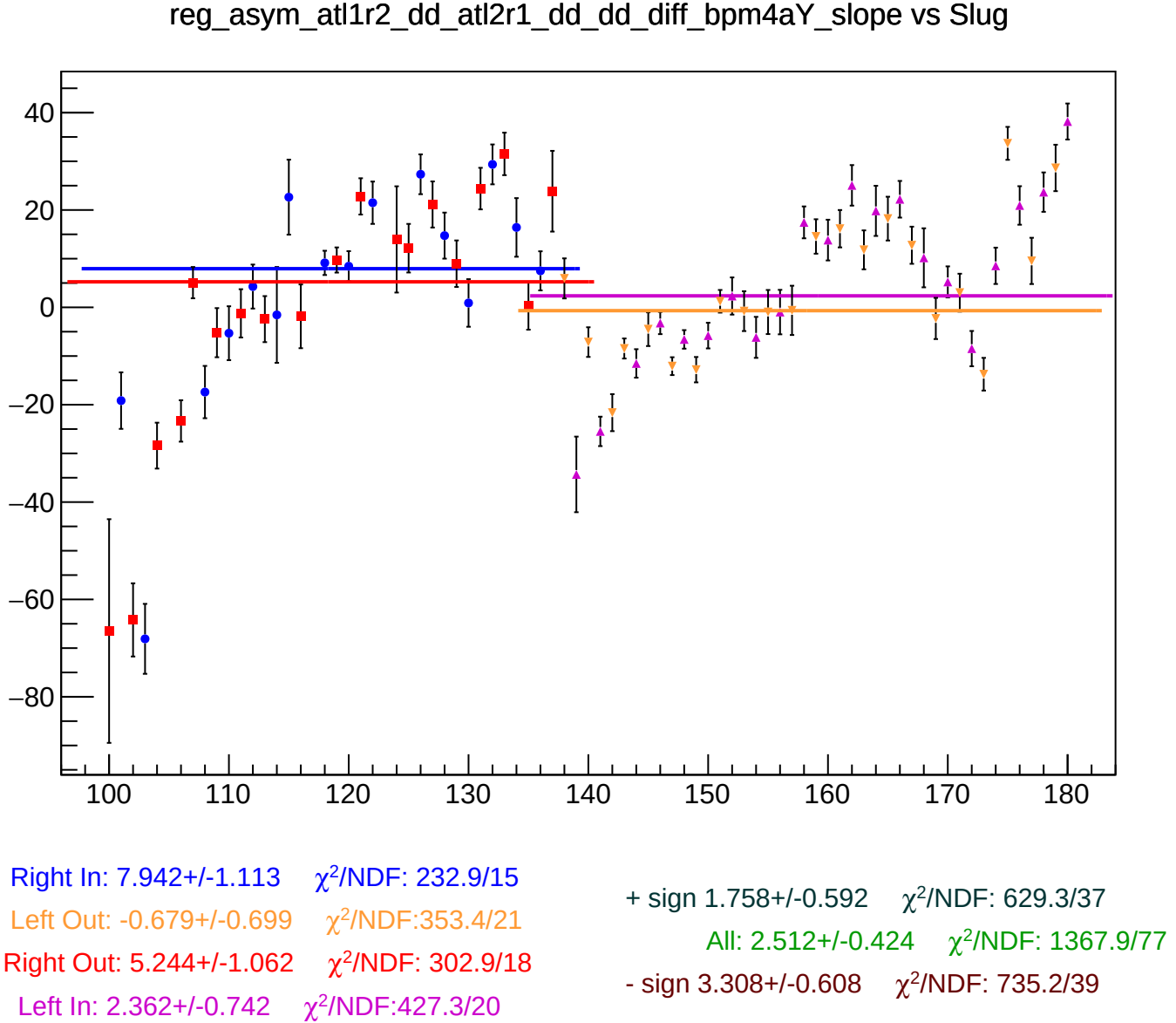
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

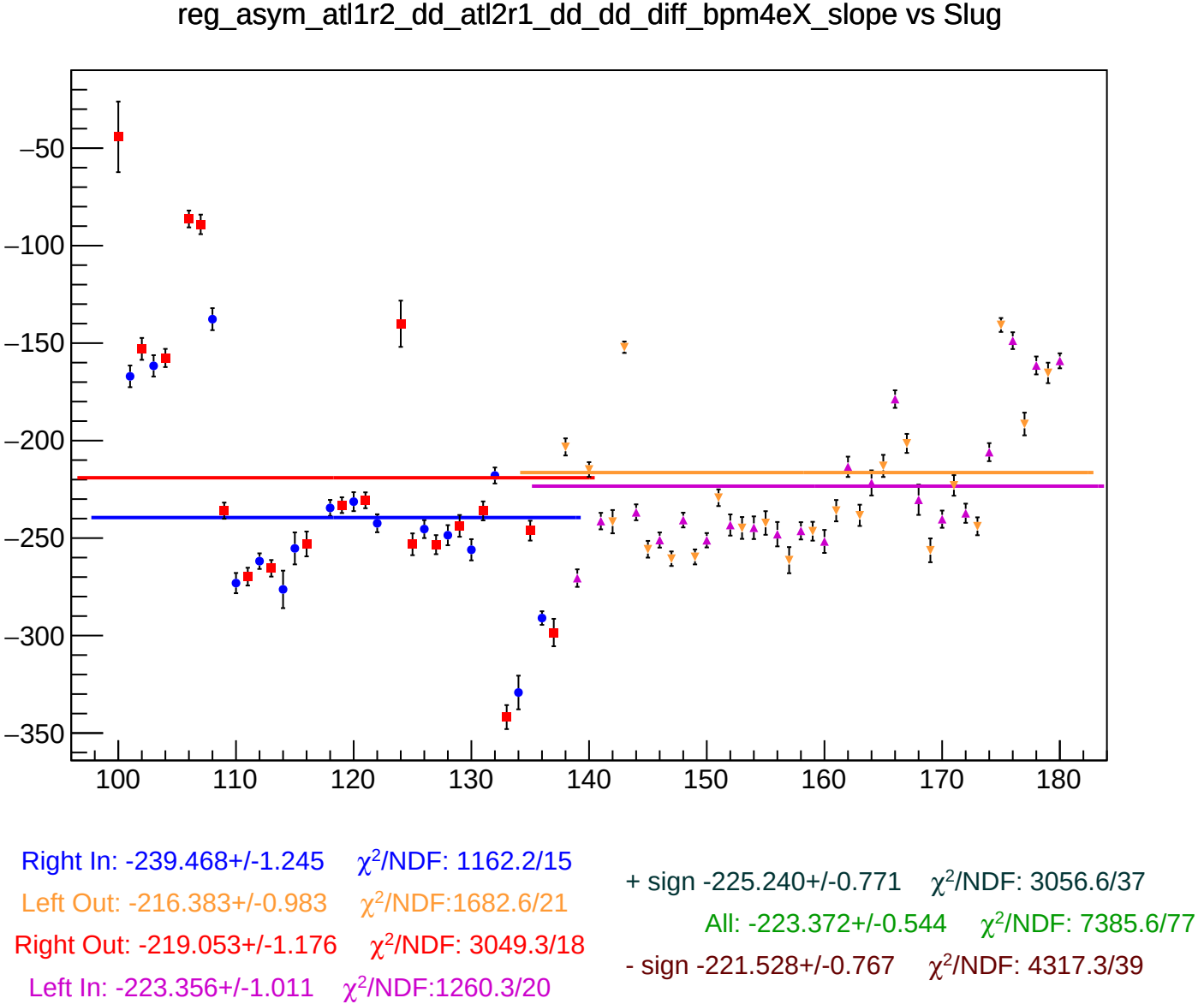
Left In: 209.882+/-1.027 χ^2/NDF:1476.4/20

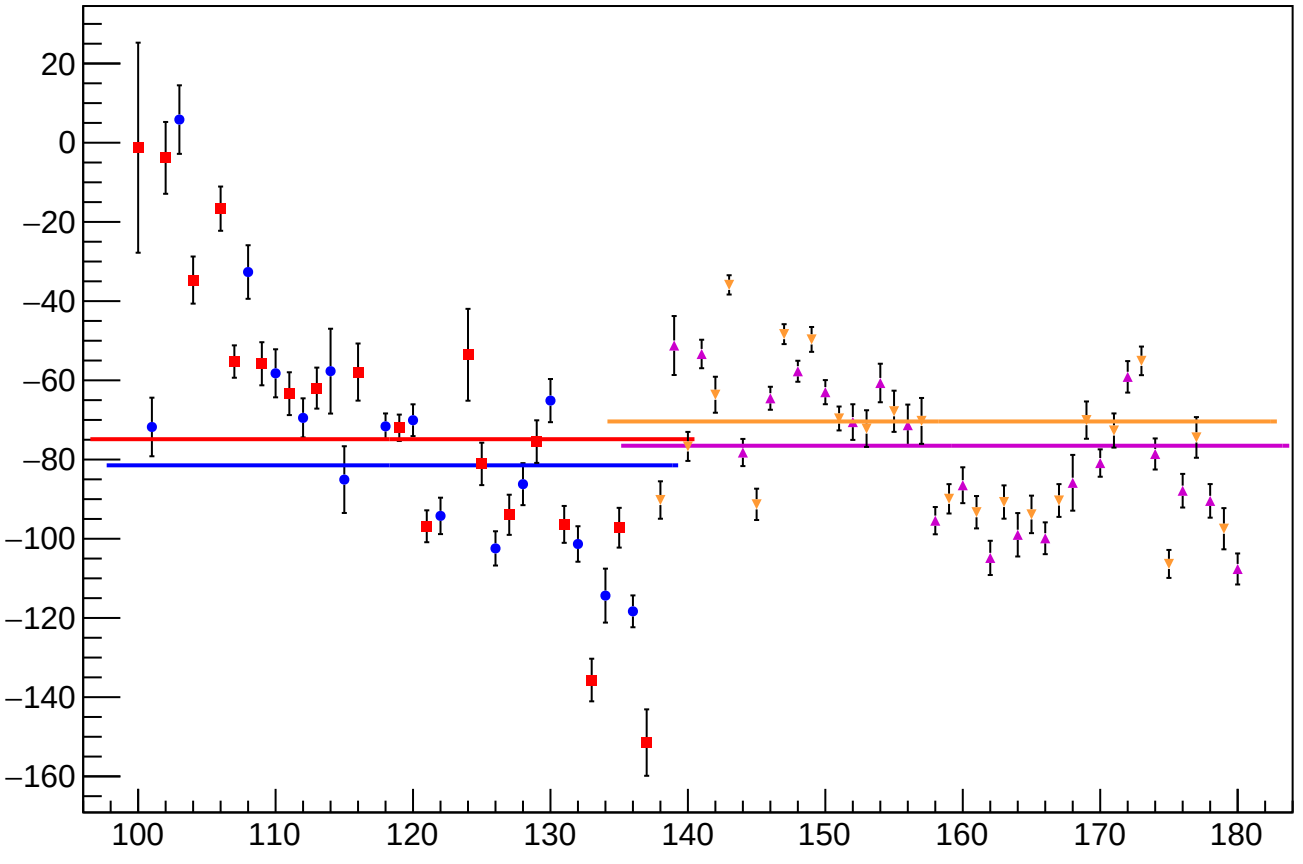
+ sign 190.647+/-0.734 χ^2/NDF: 3768.0/37

All: 189.491+/-0.515 χ^2/NDF: 7606.8/77

- sign 188.368+/-0.724 χ^2/NDF: 3834.0/39


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: -0.679+/-0.699 χ²/NDF:353.4/21
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: 2.362+/-0.742 χ²/NDF:427.3/20
+ sign 1.758+/-0.592 χ²/NDF: 629.3/37
All: 2.512+/-0.424 χ²/NDF: 1367.9/77
- sign 3.308+/-0.608 χ²/NDF: 735.2/39


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
180
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -216.383+/-0.983 χ²/NDF:1682.6/21
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -223.356+/-1.011 χ²/NDF:1260.3/20
+ sign -225.240+/-0.771 χ²/NDF: 3056.6/37
All: -223.372+/-0.544 χ²/NDF: 7385.6/77
- sign -221.528+/-0.767 χ²/NDF: 4317.3/39



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -70.383+/-0.815 χ^2/NDF:652.2/21

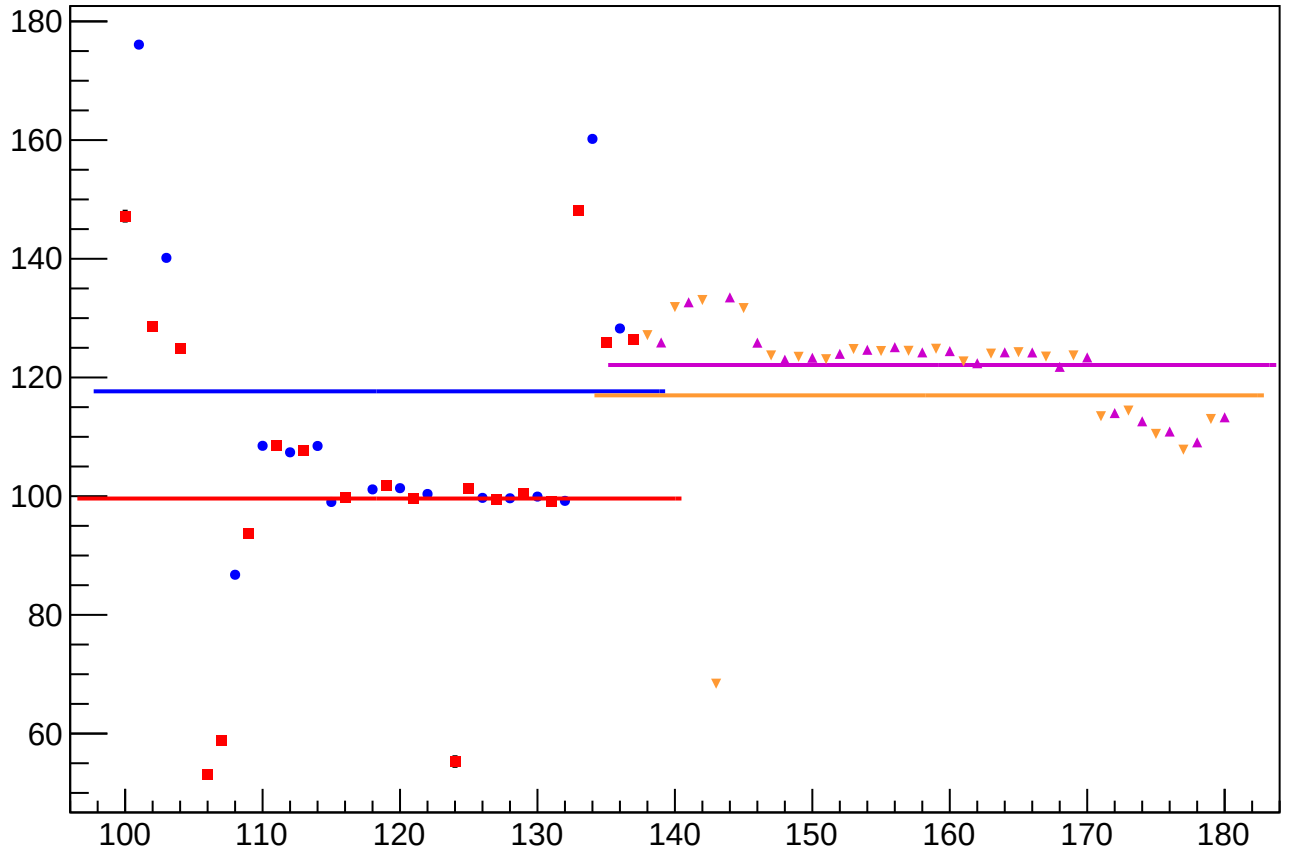
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -76.512+/-0.855 χ^2/NDF:386.2/20

+ sign -73.554+/-0.688 χ^2/NDF: 1071.6/37

All: -74.741+/-0.492 χ^2/NDF: 2041.6/77

- 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: 116.987+/-0.038 χ^2/NDF:203330.5/21

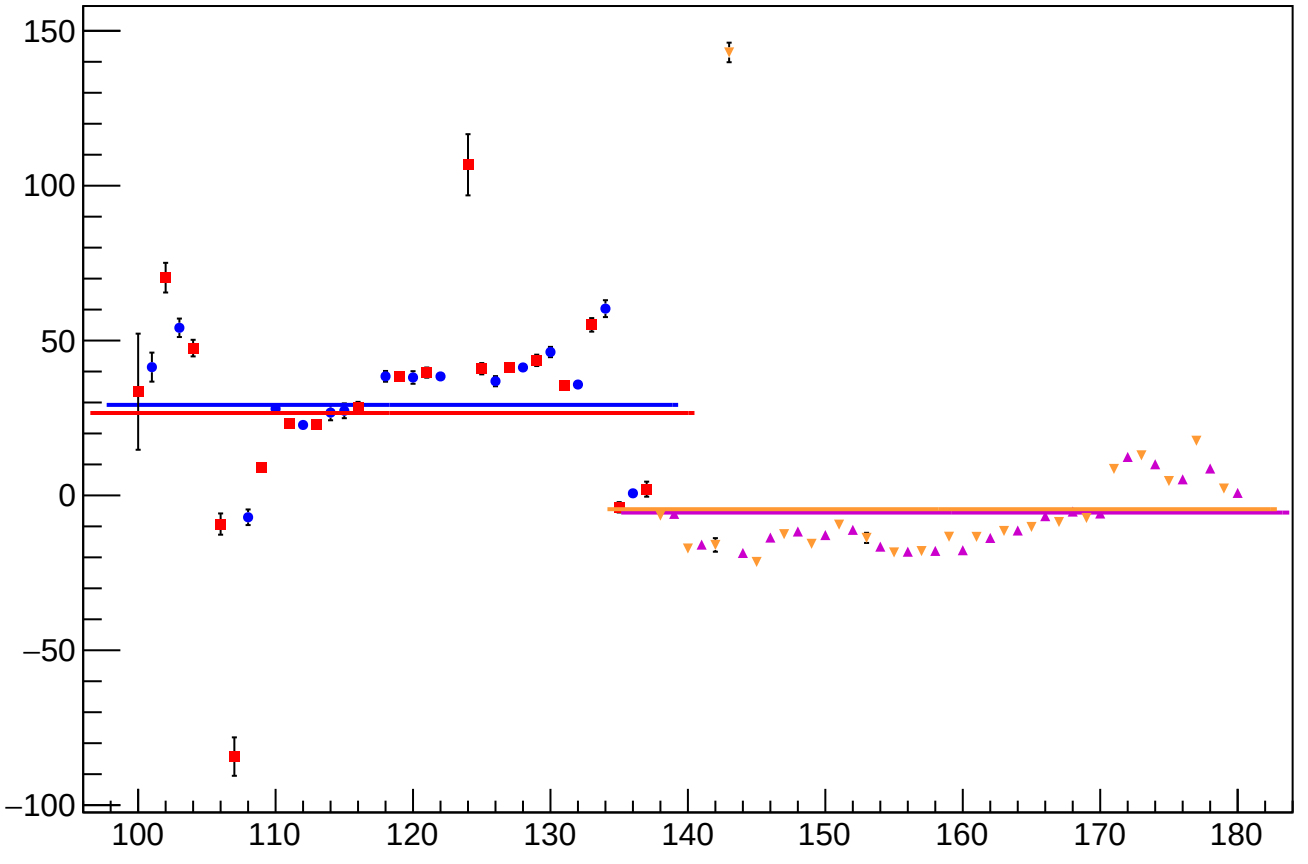
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 122.103+/-0.039 χ^2/NDF:25737.6/20

+ sign 117.119+/-0.034 χ^2/NDF: 298788.3/37

All: 116.952+/-0.024 χ^2/NDF: 569032.8/77

- sign 116.788+/-0.034 χ^2/NDF: 270198.2/39



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -4.451+/-0.296 χ^2/NDF:3561.6/21

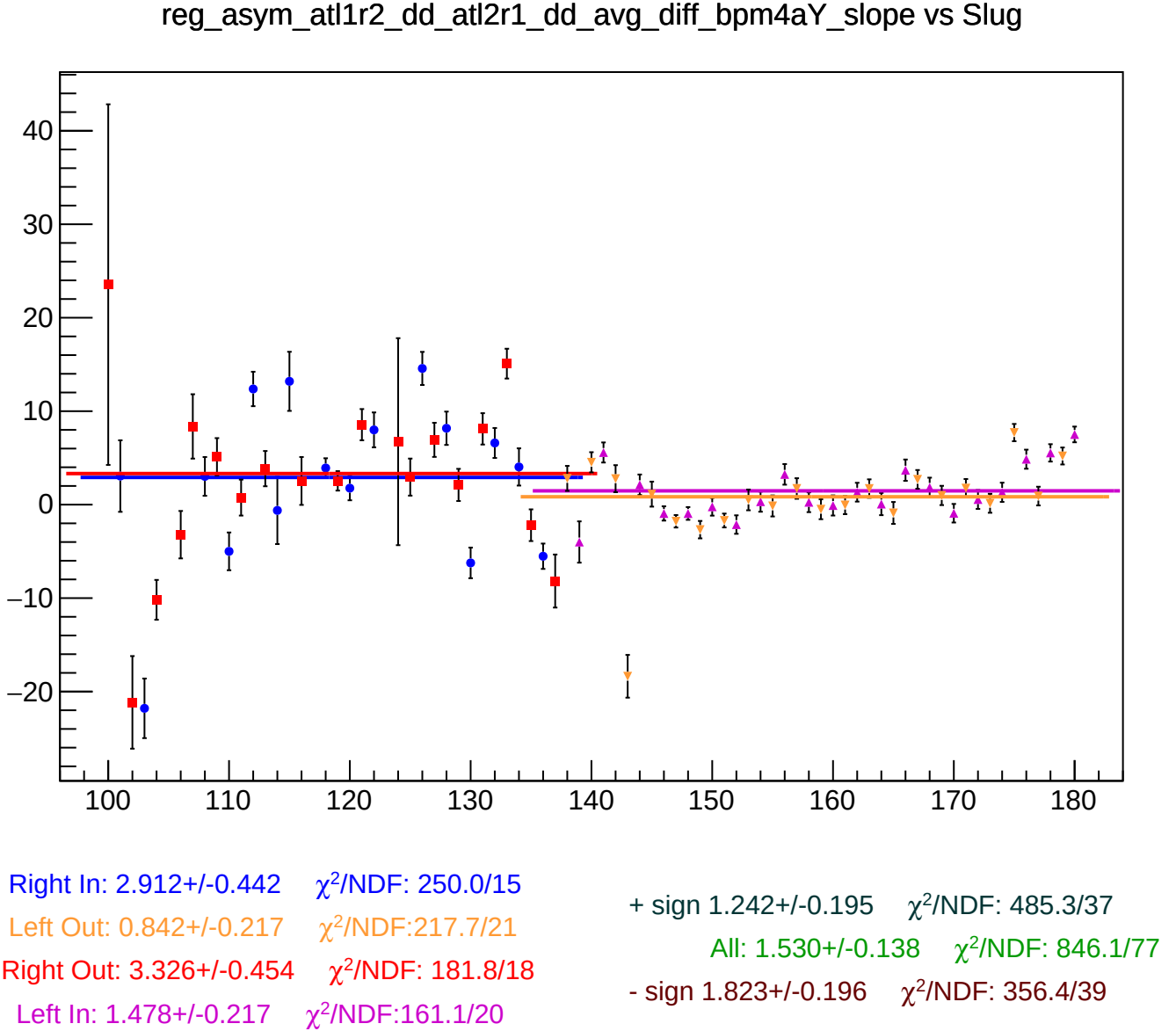
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

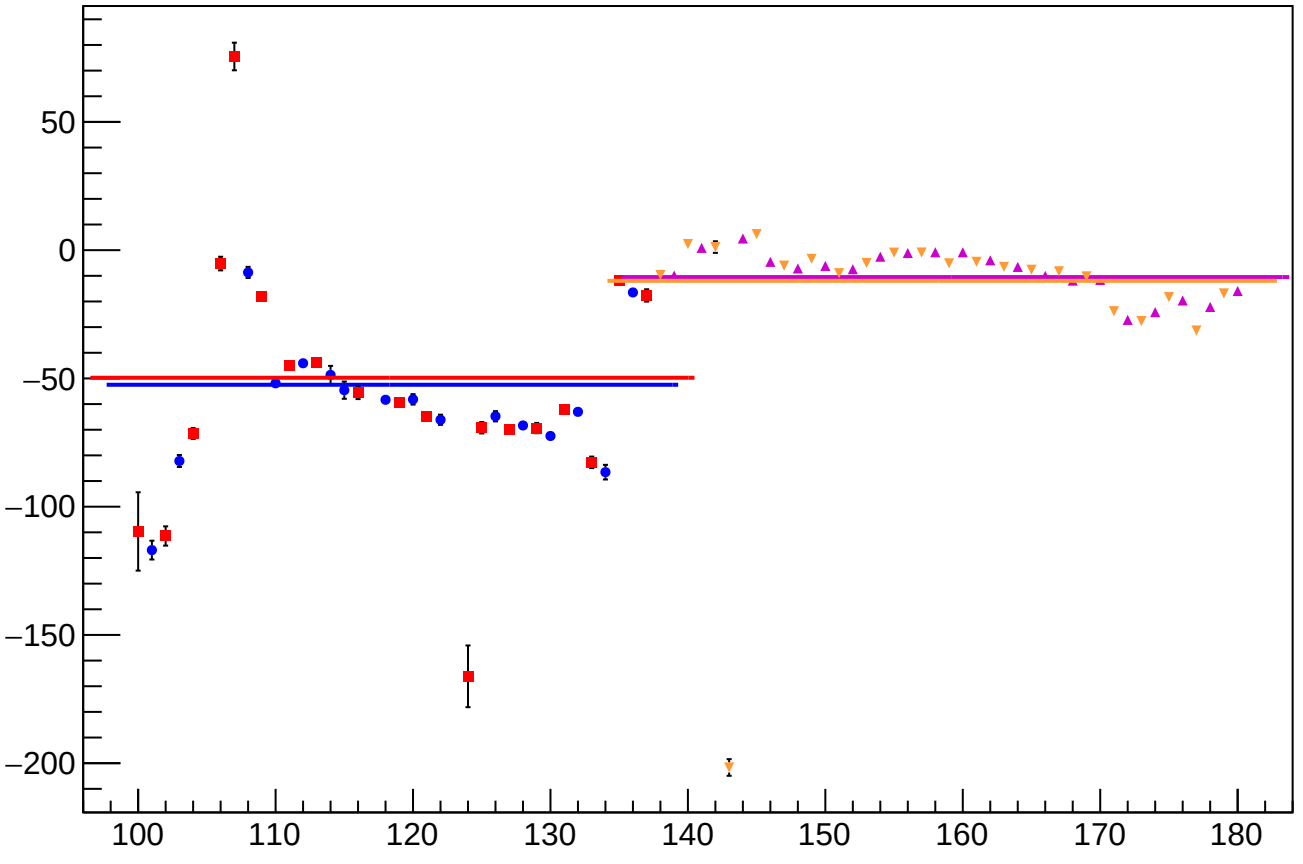
Left In: -5.542+/-0.287 χ^2/NDF:1195.7/20

\+ sign 6.598+/-0.243 χ^2/NDF: 9138.8/37

All: 5.711+/-0.169 χ^2/NDF: 16356.0/77

\- sign 4.877+/-0.236 χ^2/NDF: 7191.3/39


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: 0.842+/-0.217 χ²/NDF:217.7/21
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 1.478+/-0.217 χ²/NDF:161.1/20
+ sign 1.242+/-0.195 χ²/NDF: 485.3/37
All: 1.530+/-0.138 χ²/NDF: 846.1/77
- sign 1.823+/-0.196 χ²/NDF: 356.4/39



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.948+/-0.291 χ^2/NDF:4515.5/21

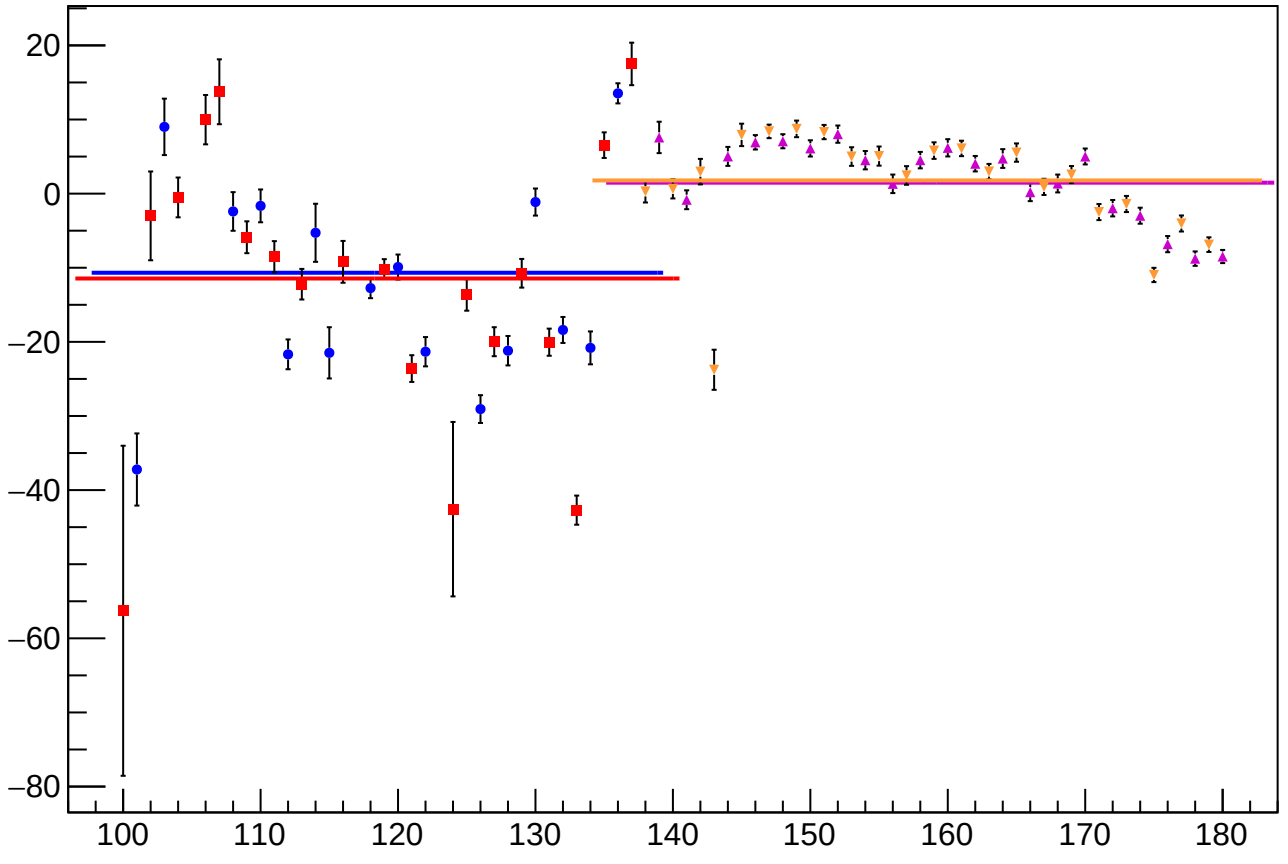
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -10.493+/-0.283 χ^2/NDF:891.4/20

+ sign -22.603+/-0.250 χ^2/NDF: 11931.3/37

All: -21.361+/-0.175 χ^2/NDF: 20634.5/77

- 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: 1.779+/-0.246 χ^2/NDF:605.6/21

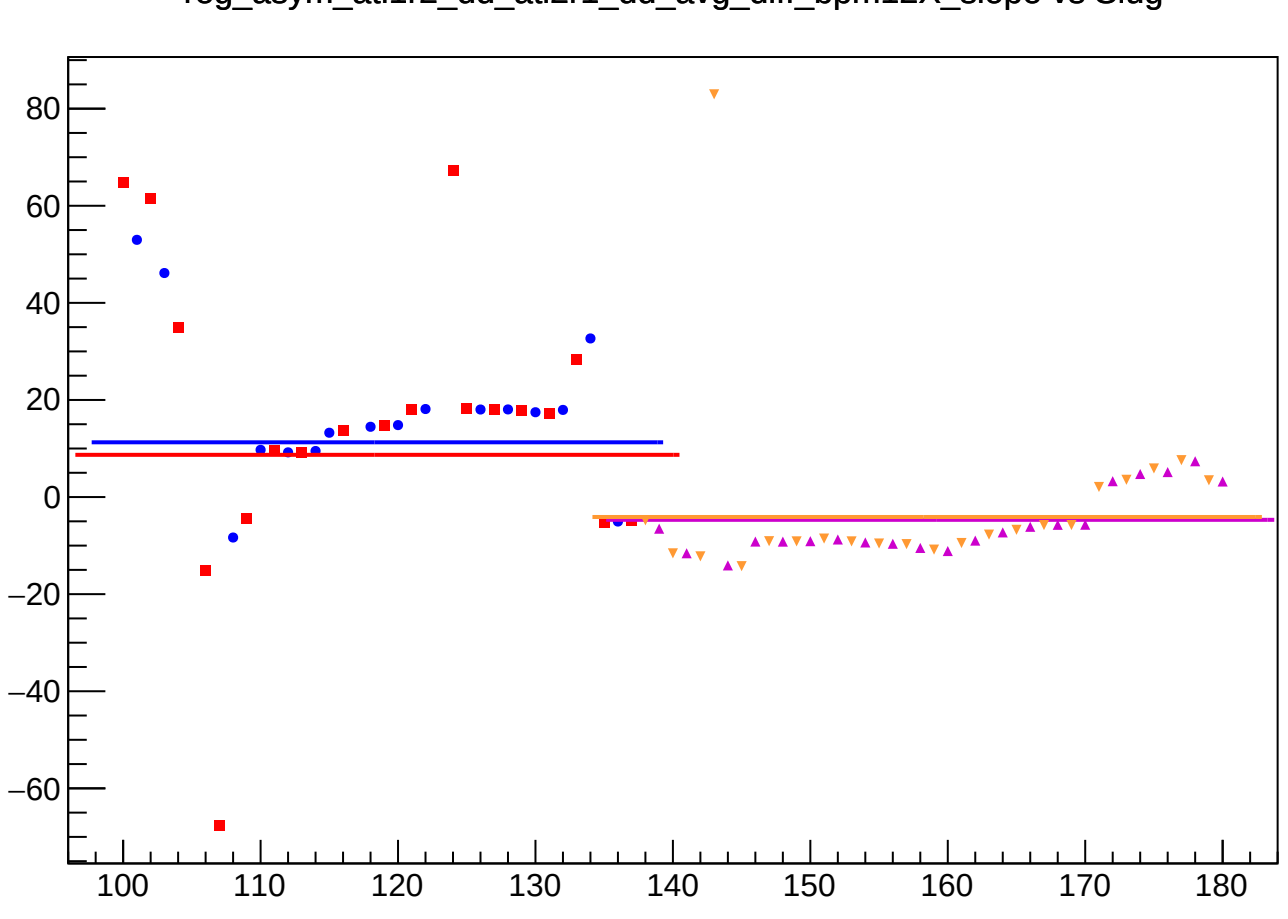
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 1.478+/-0.245 χ^2/NDF:510.0/20

\+ sign -0.613+/-0.222 χ^2/NDF: 1762.4/37

All: -0.758+/-0.157 χ^2/NDF: 3451.0/77

\- 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: -4.104+/-0.011 χ^2/NDF:756805.3/21

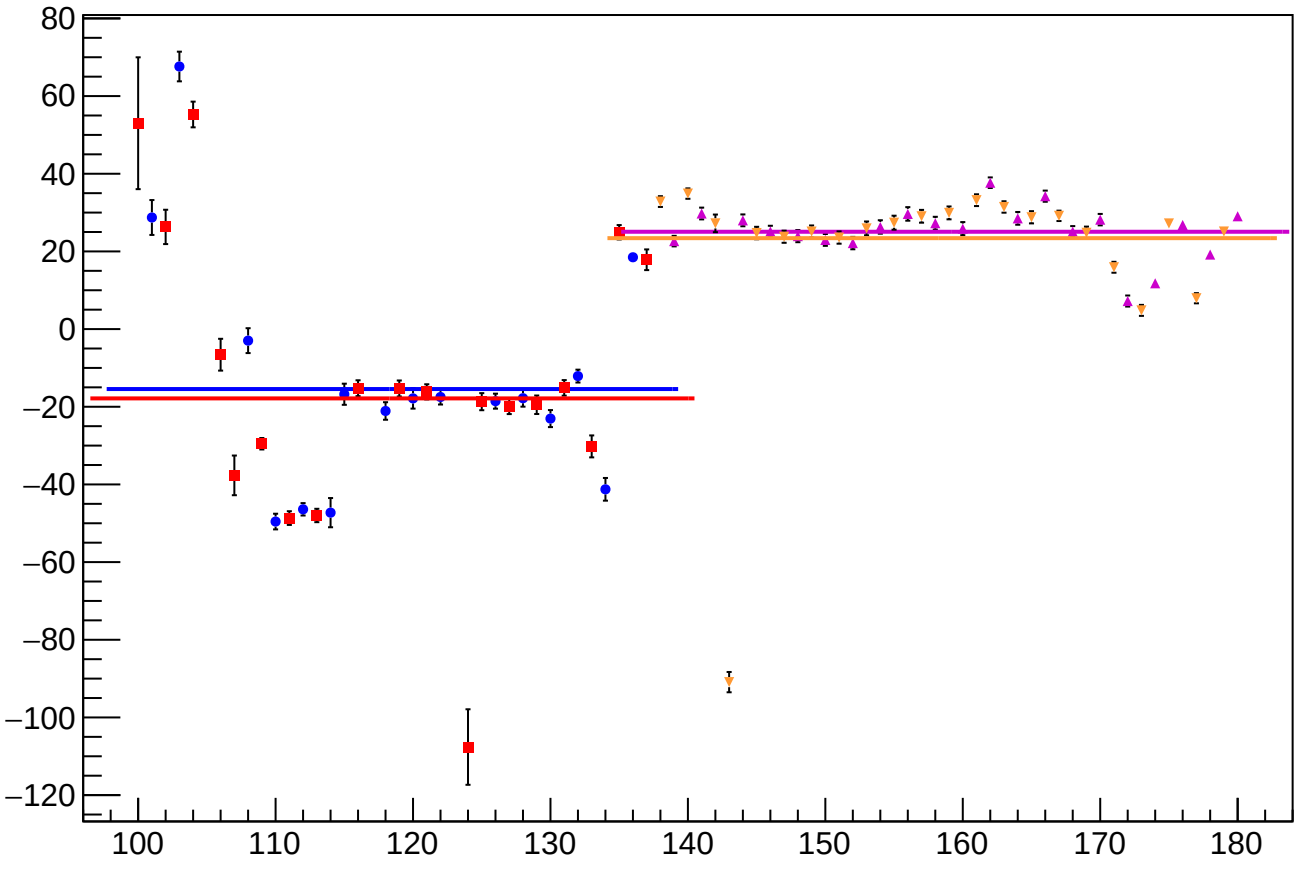
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -4.690+/-0.011 χ^2/NDF:346928.7/20

+ sign -2.251+/-0.010 χ^2/NDF: 1338559.1/37

All: -2.768+/-0.007 χ^2/NDF: 2288815.1/77

- sign -3.270+/-0.010 χ^2/NDF: 945372.4/39



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.414+/-0.316 χ^2/NDF:2531.7/21

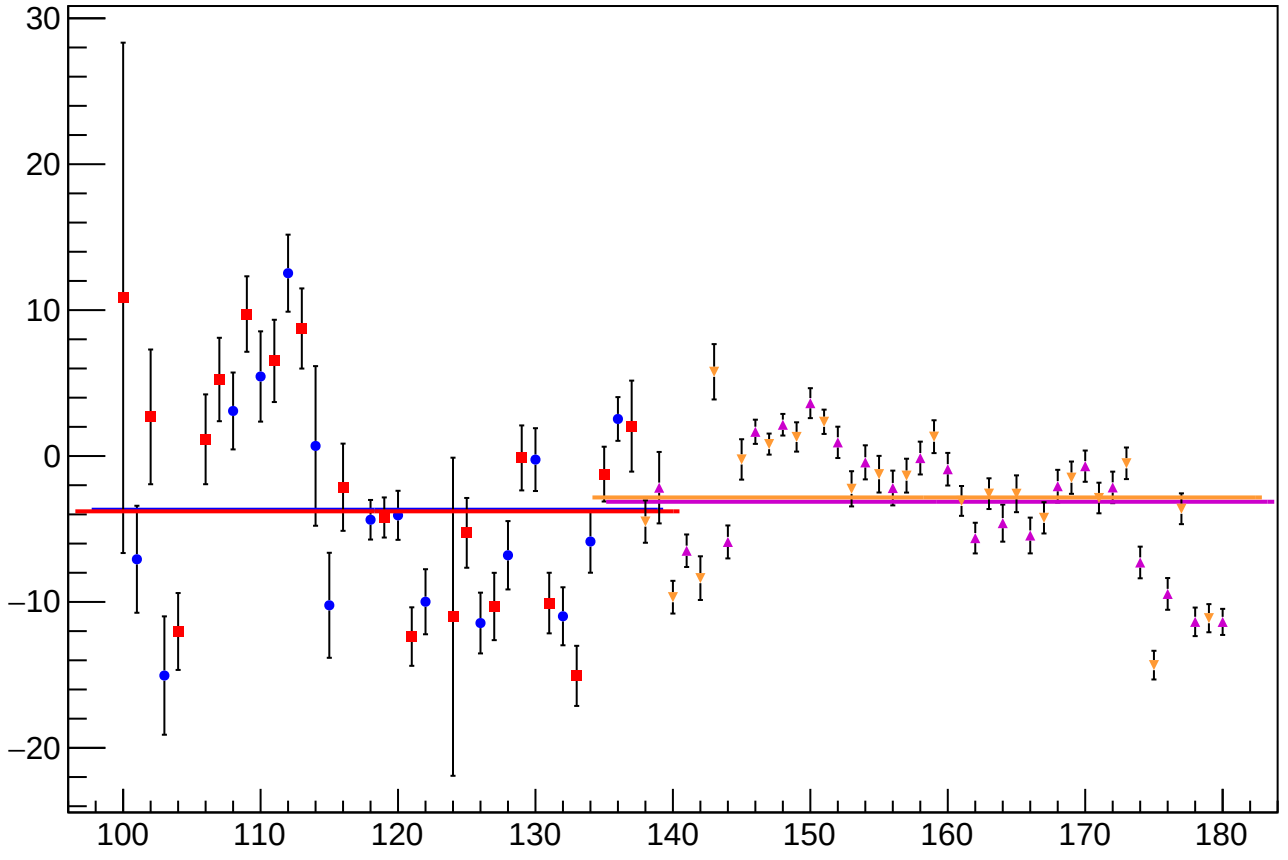
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.063+/-0.306 χ^2/NDF:489.2/20

+ sign 13.472+/-0.273 χ^2/NDF: 8521.4/37

All: 13.902+/-0.190 χ^2/NDF: 16060.1/77

- 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: -2.838+/-0.231 χ^2/NDF:393.9/21

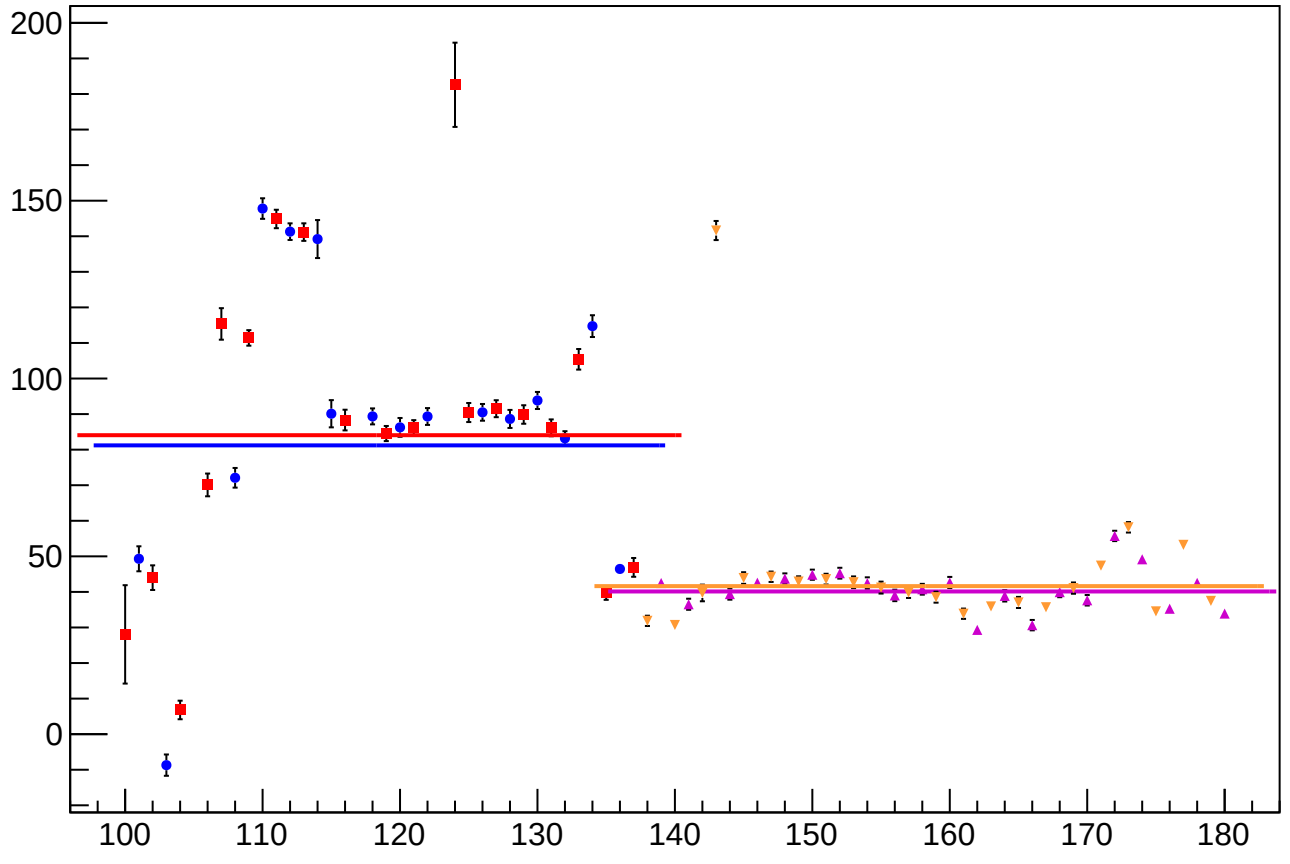
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -3.134+/-0.232 χ^2/NDF:395.6/20

+ sign -2.964+/-0.213 χ^2/NDF: 519.9/37

All: -3.096+/-0.151 χ^2/NDF: 1078.6/77

- sign -3.229+/-0.215 χ^2/NDF: 558.0/39



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.628+/-0.311 χ^2/NDF:1865.4/21

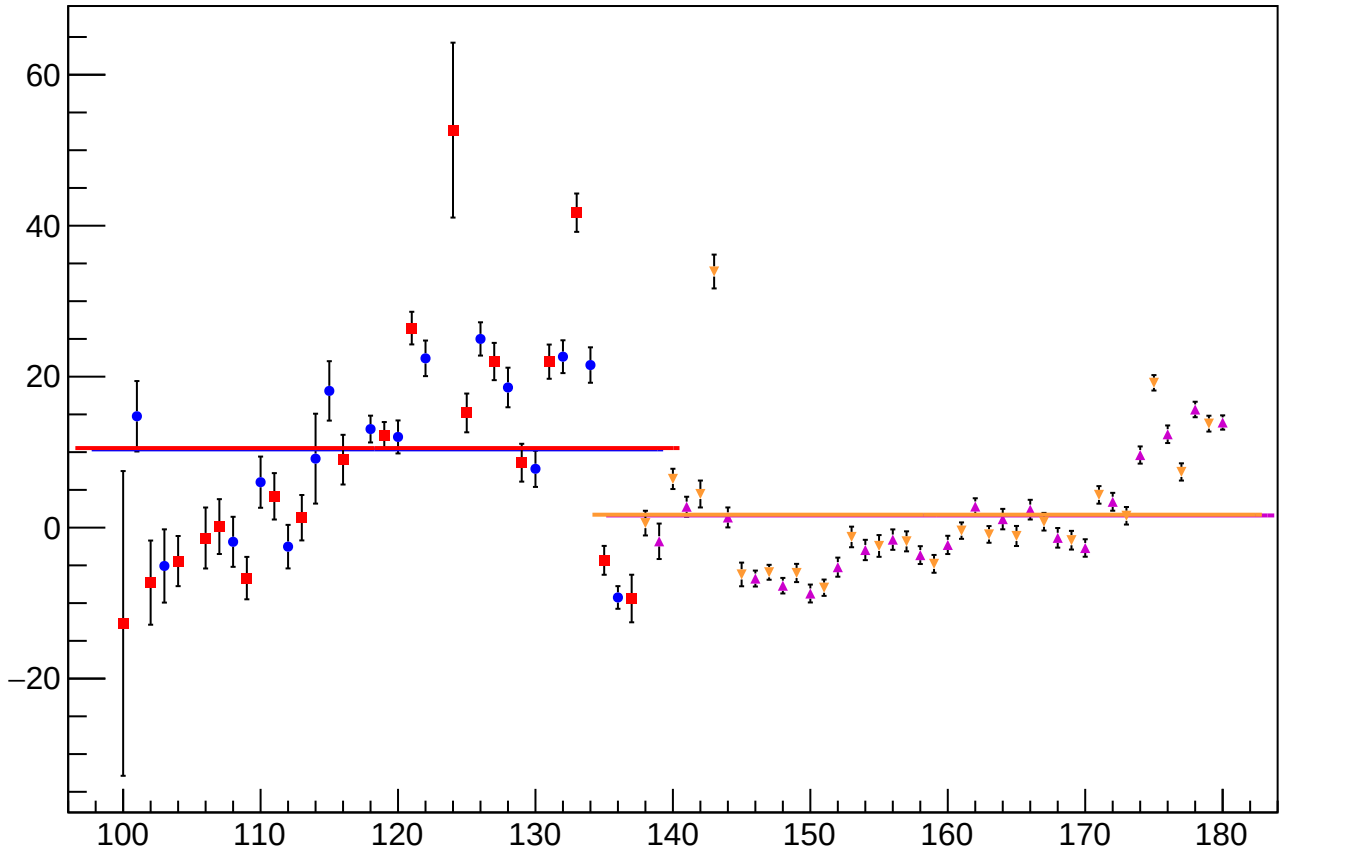
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.124+/-0.302 χ^2/NDF:387.2/20

+ sign 49.851+/-0.277 χ^2/NDF: 8462.7/37

All: 49.228+/-0.194 χ^2/NDF: 16166.2/77

- 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: 1.714+/-0.263 χ^2/NDF:953.5/21

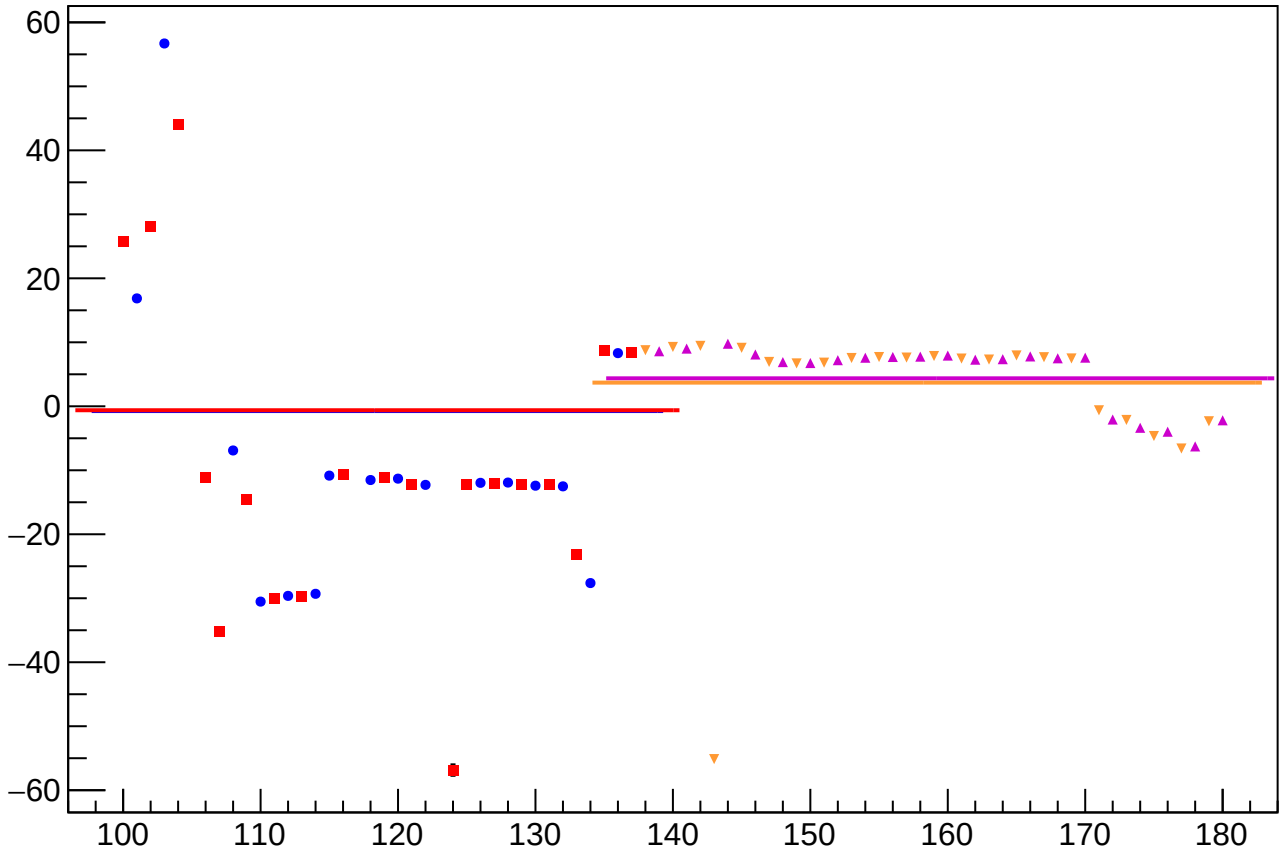
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.614+/-0.262 χ^2/NDF:814.6/20

\+ sign 3.011+/-0.243 χ^2/NDF: 1475.5/37

All: 2.951+/-0.171 χ^2/NDF: 2927.4/77

\- 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: 3.700+/-0.012 χ^2/NDF:476608.4/21

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

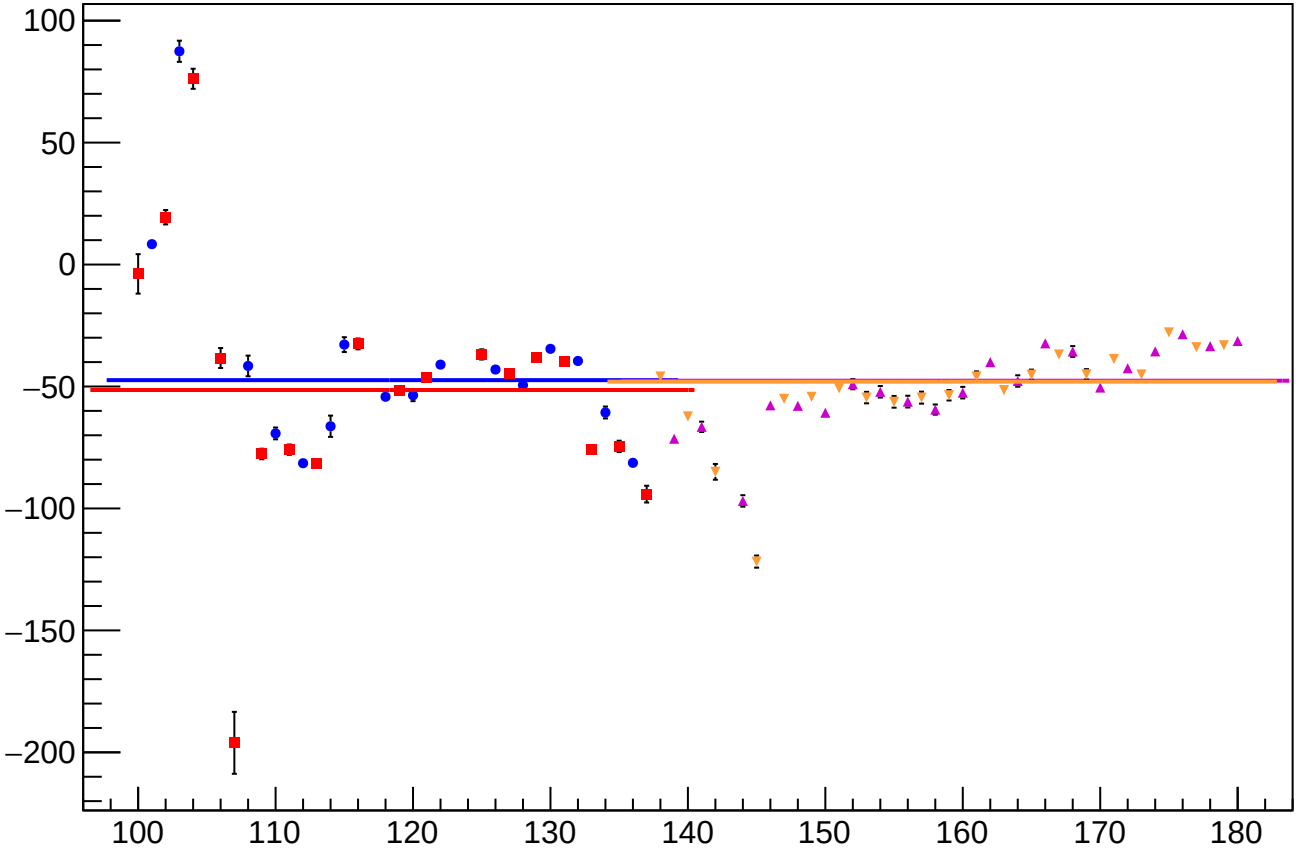
Left In: 4.370+/-0.012 χ^2/NDF:205712.3/20

+ sign 3.263+/-0.011 χ^2/NDF: 858441.6/37

All: 3.603+/-0.008 χ^2/NDF: 1398727.0/77

- 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: -48.004+/-0.429 χ^2/NDF:1554.9/20

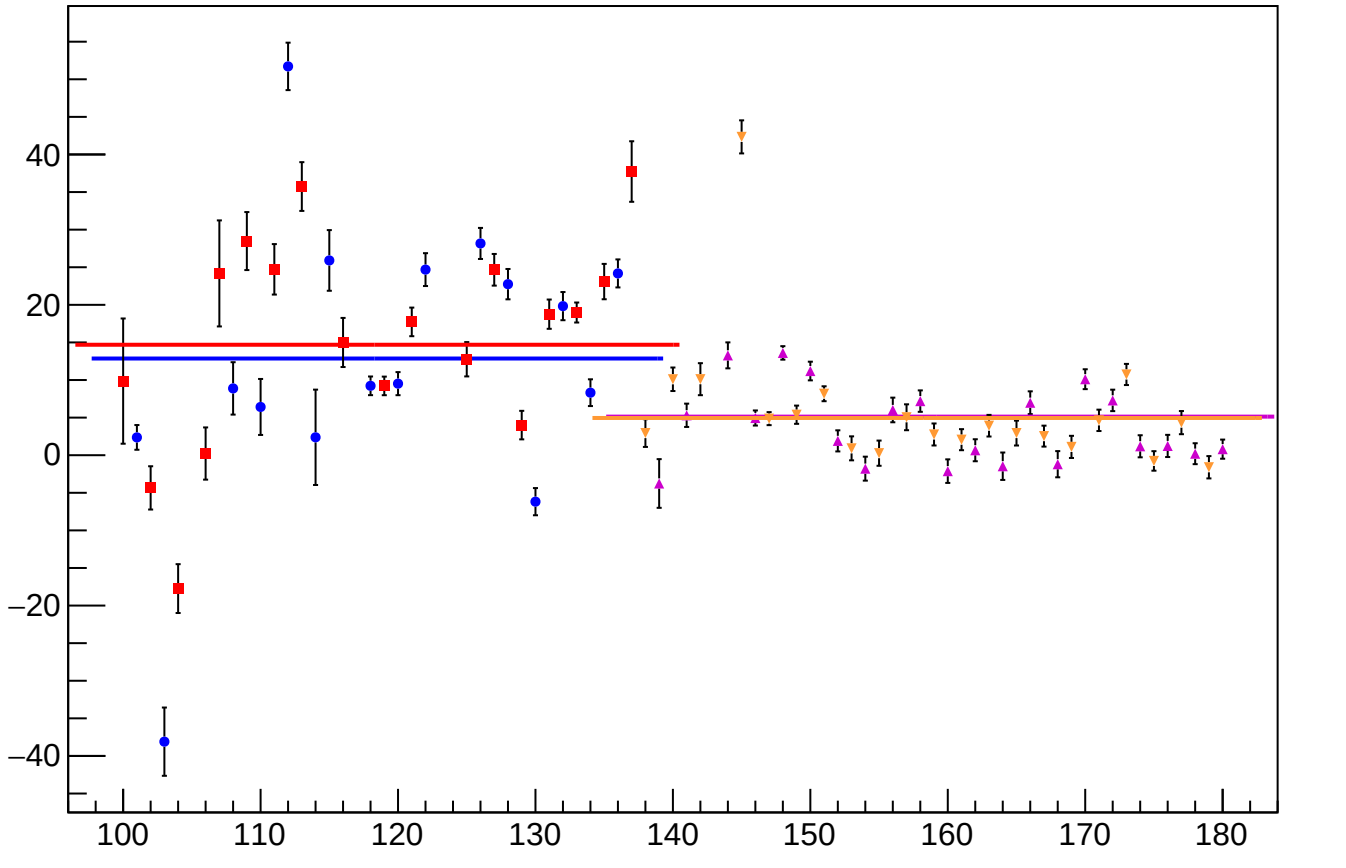
Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -47.628+/-0.413 χ^2/NDF:1411.0/20

+ sign -47.767+/-0.335 χ^2/NDF: 4324.7/36

All: -48.404+/-0.235 χ^2/NDF: 8646.7/75

- 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: 4.952+/-0.308 χ^2/NDF:406.1/20

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

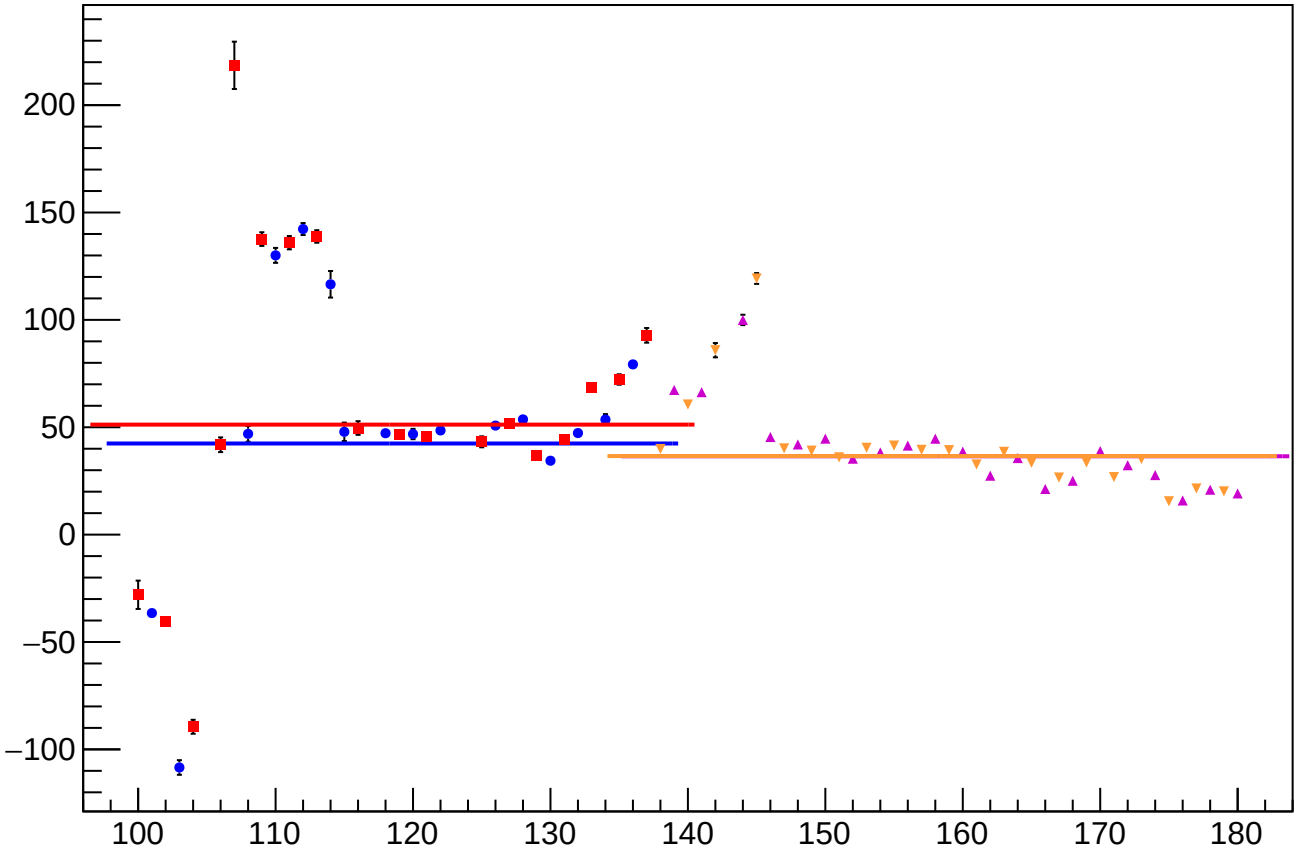
Left In: 5.132+/-0.308 χ^2/NDF:283.0/20

+ sign 7.016+/-0.265 χ^2/NDF: 1203.4/36

All: 7.230+/-0.188 χ^2/NDF: 2085.5/75

- sign 7.448+/-0.268 χ^2/NDF: 880.8/38

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 36.582+/-0.421 χ^2/NDF:1944.2/20

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

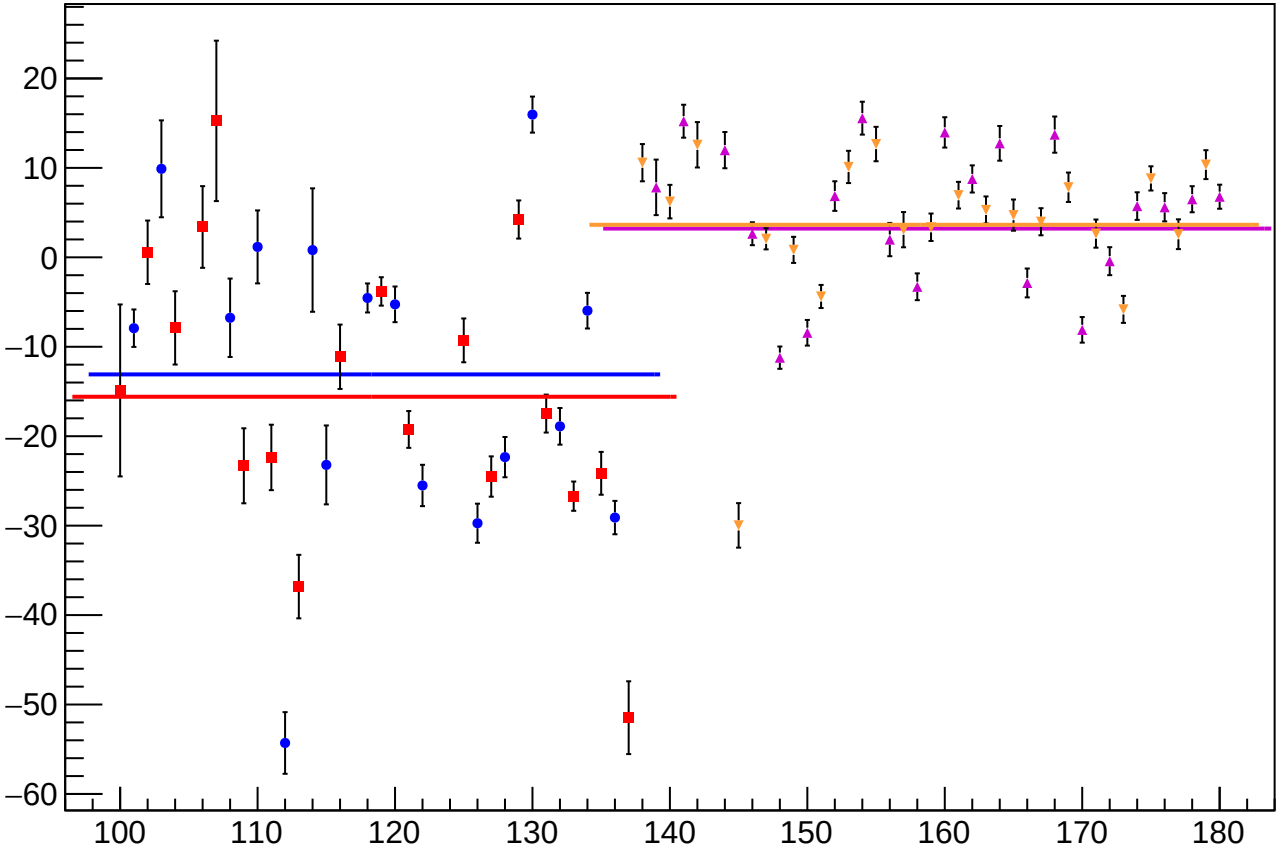
Left In: 36.491+/-0.407 χ^2/NDF:1822.7/20

+ sign 38.584+/-0.342 χ^2/NDF: 9179.2/36

All: 39.789+/-0.241 χ^2/NDF: 18037.4/75

- 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: 3.637+/-0.353 χ^2/NDF:371.7/20

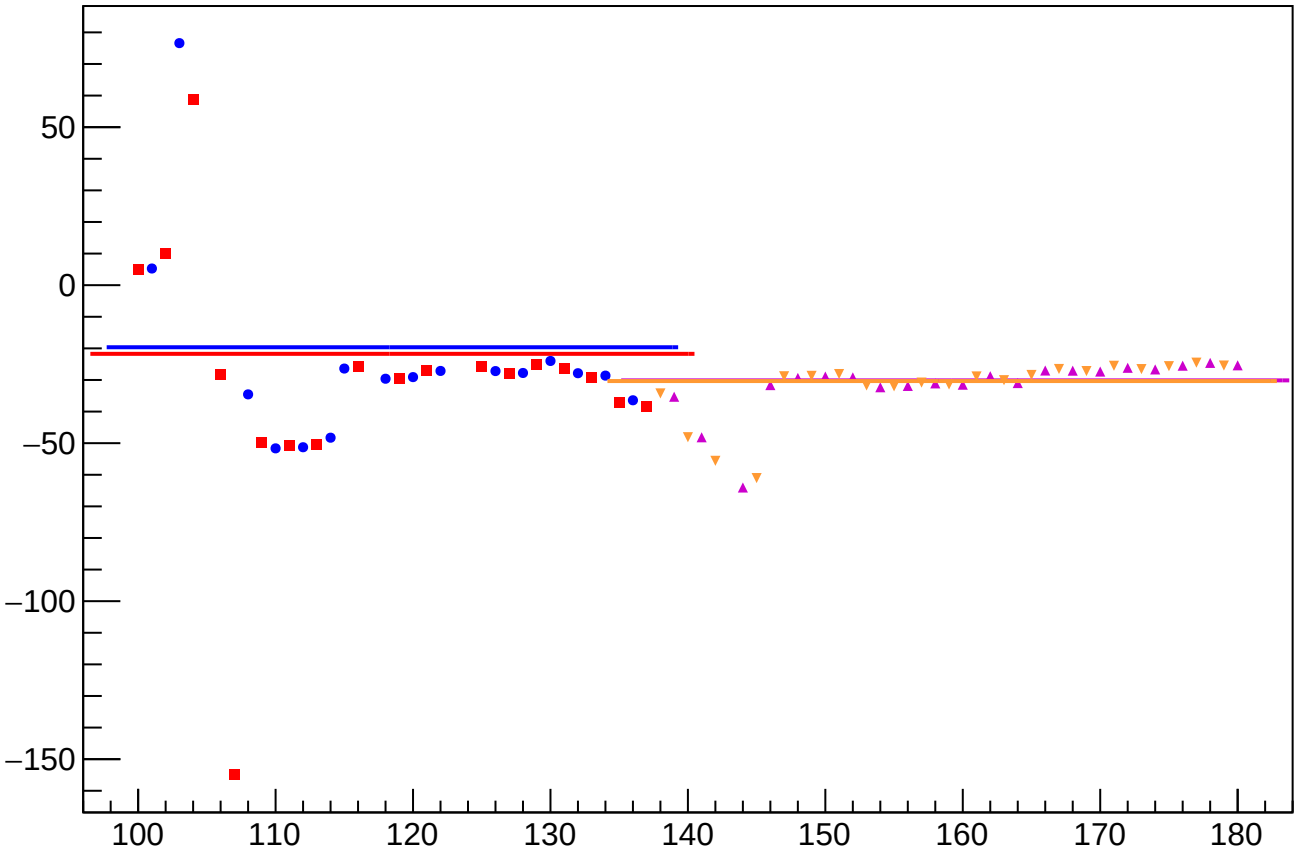
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 3.214+/-0.349 χ^2/NDF:536.9/20

\+ sign -0.665+/-0.304 χ^2/NDF: 1589.5/36

All: -0.953+/-0.215 χ^2/NDF: 3216.6/75

\- 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: -30.343+/-0.016 χ^2/NDF:210962.3/20

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

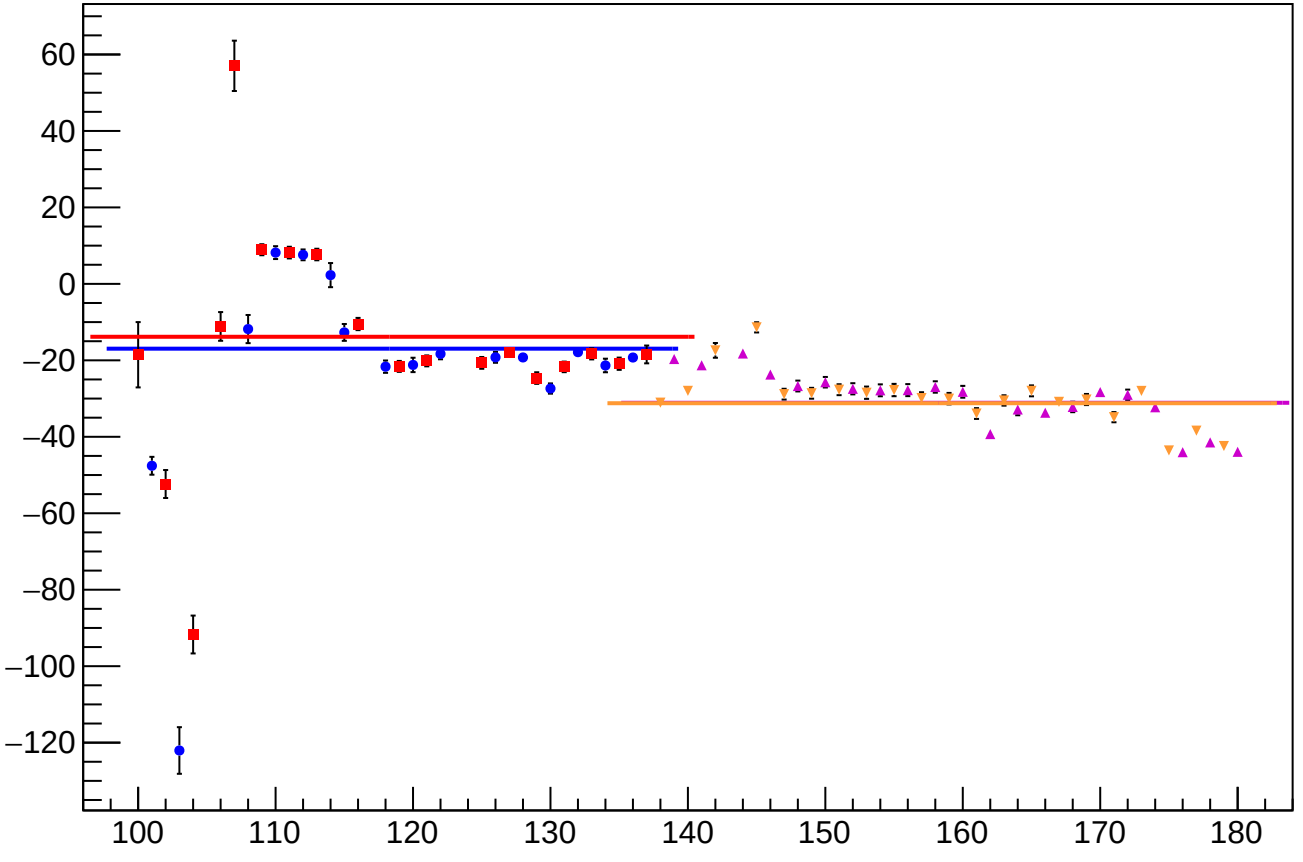
Left In: -30.127+/-0.016 χ^2/NDF:177714.7/20

+ sign -28.576+/-0.015 χ^2/NDF: 931169.6/36

All: -28.771+/-0.010 χ^2/NDF: 1696050.5/75

- 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: -31.218+/-0.293 χ^2/NDF:616.7/20

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

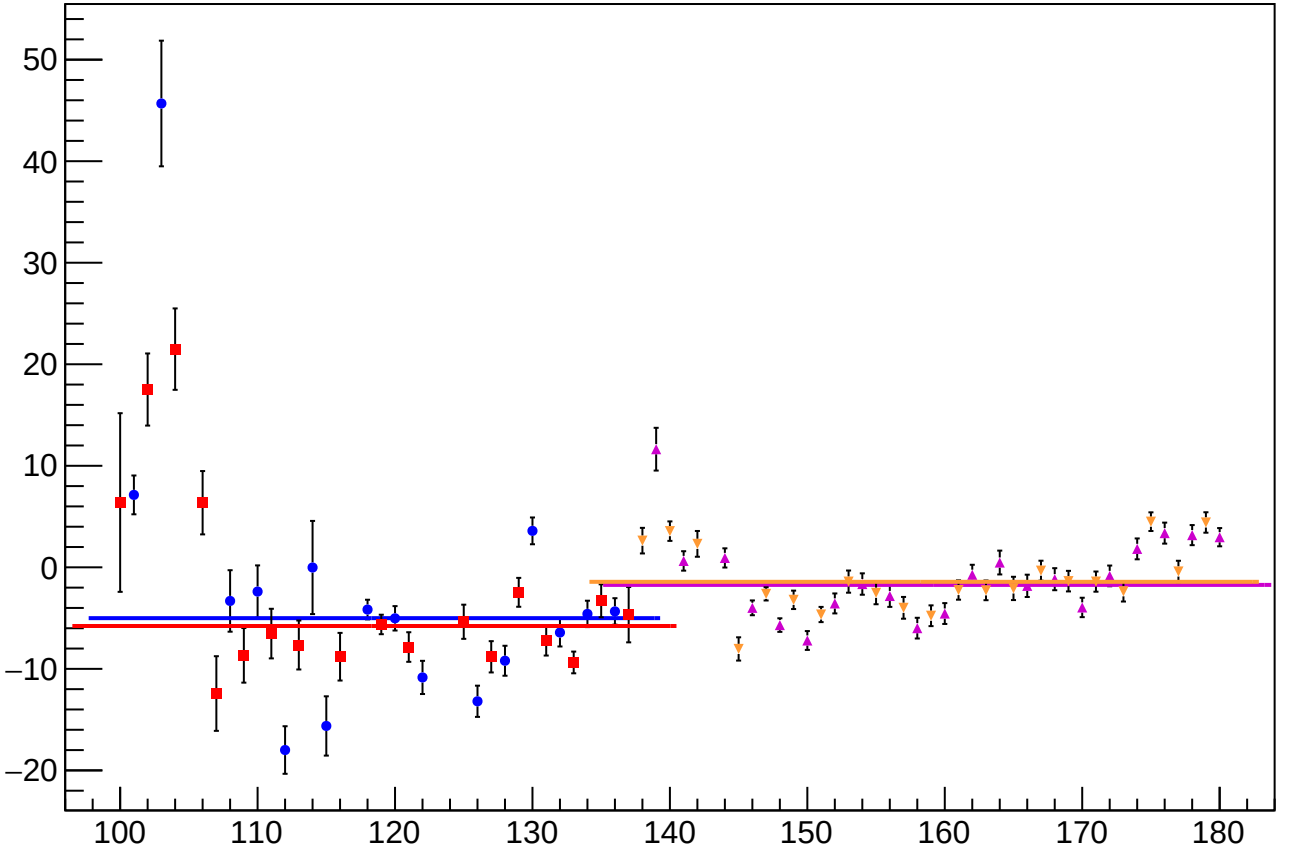
Left In: -31.103+/-0.283 χ^2/NDF:797.8/20

+ sign -26.302+/-0.237 χ^2/NDF: 2563.1/36

All: -25.903+/-0.166 χ^2/NDF: 5904.1/75

- 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: -1.427+/-0.214 χ^2/NDF:202.3/20

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

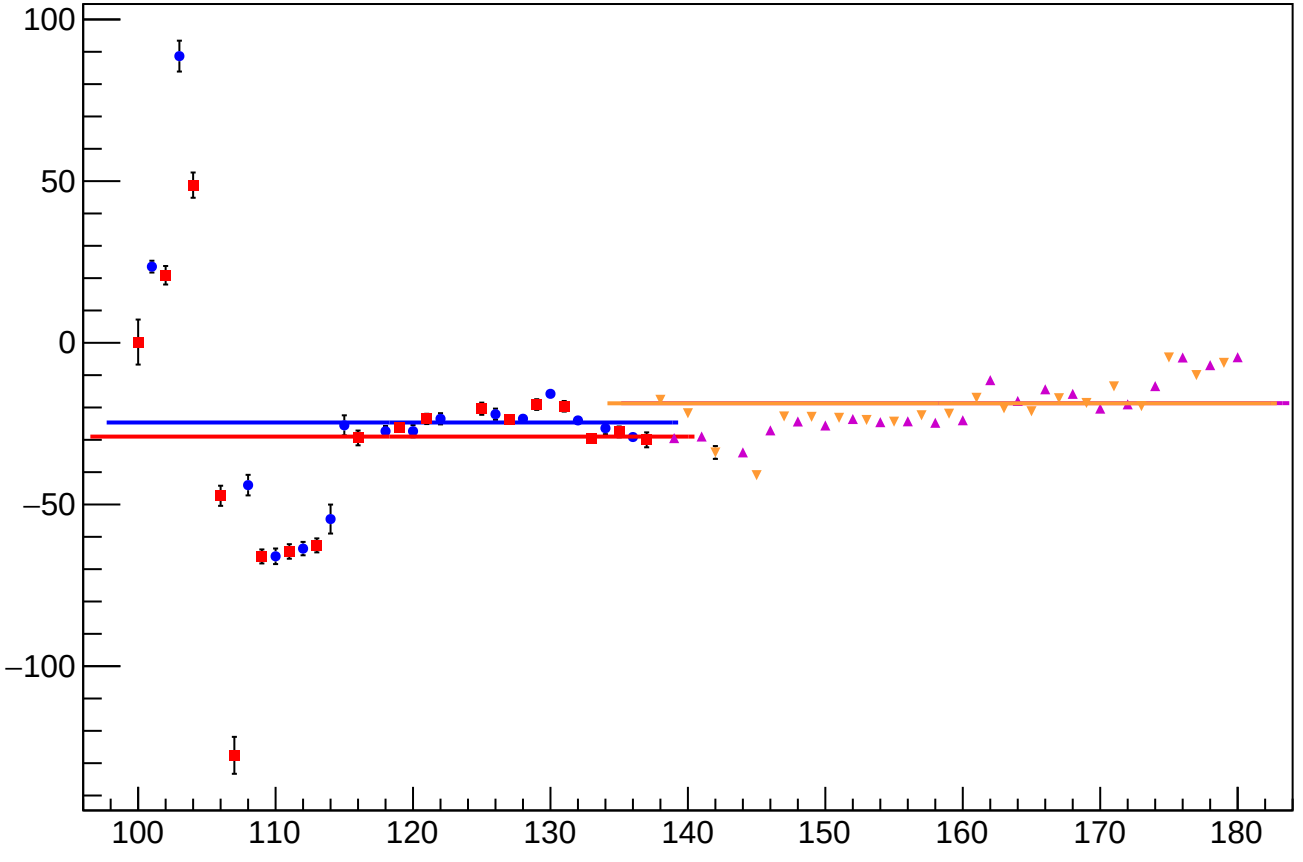
Left In: -1.731+/-0.213 χ^2/NDF:262.3/20

+ sign -2.217+/-0.189 χ^2/NDF: 512.0/36

All: -2.388+/-0.134 χ^2/NDF: 989.3/75

- 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: -18.707+/-0.288 χ^2/NDF:813.5/20

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

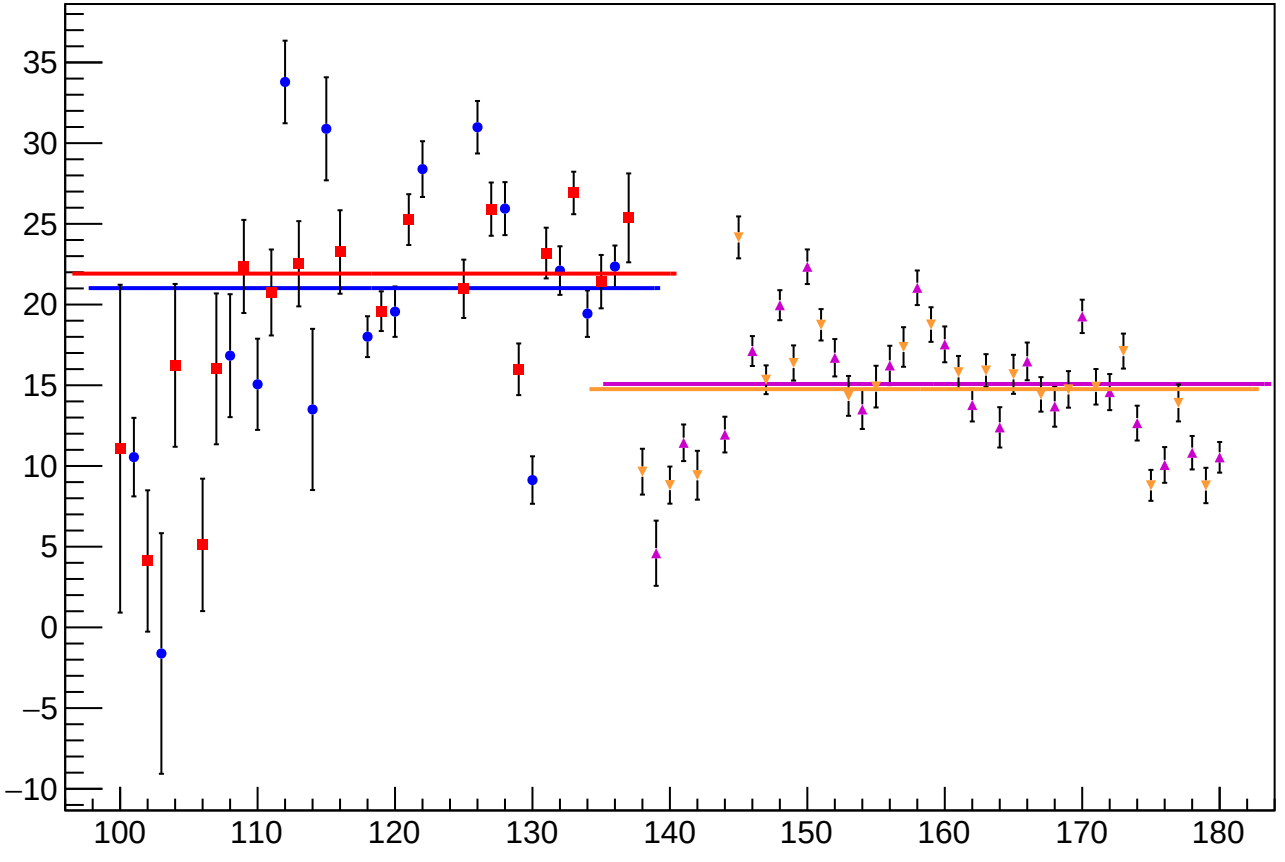
Left In: -18.664+/-0.279 χ^2/NDF:1016.3/20

\+ sign -20.405+/-0.243 χ^2/NDF: 2986.8/36

All: -20.864+/-0.171 χ^2/NDF: 6314.5/75

\- 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: 14.761+/-0.243 χ^2/NDF:219.3/20

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

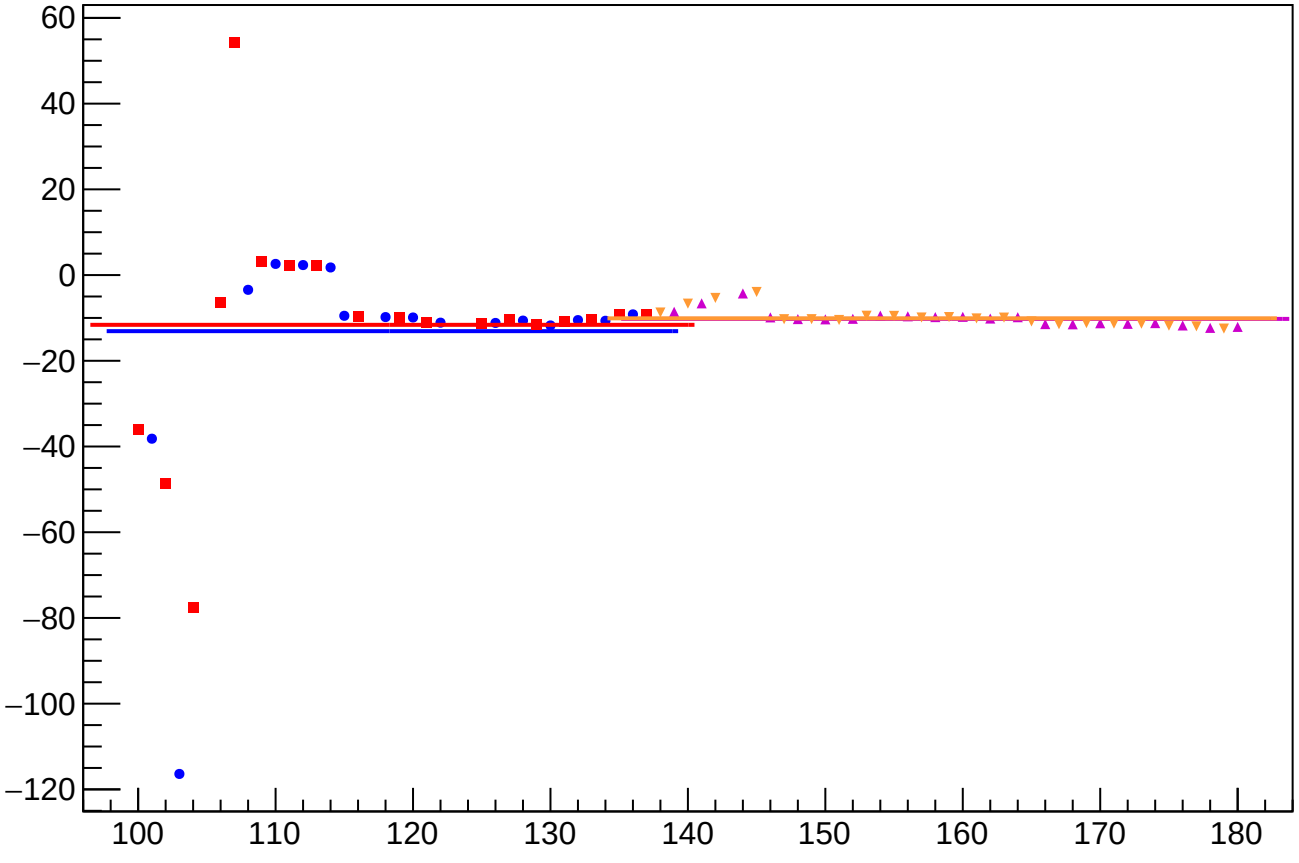
Left In: 15.080+/-0.241 χ^2/NDF:254.8/20

+ sign 16.139+/-0.215 χ^2/NDF: 574.4/36

All: 16.301+/-0.152 χ^2/NDF: 1075.9/75

- 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: -10.099+/-0.011 χ^2/NDF:30466.5/20

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

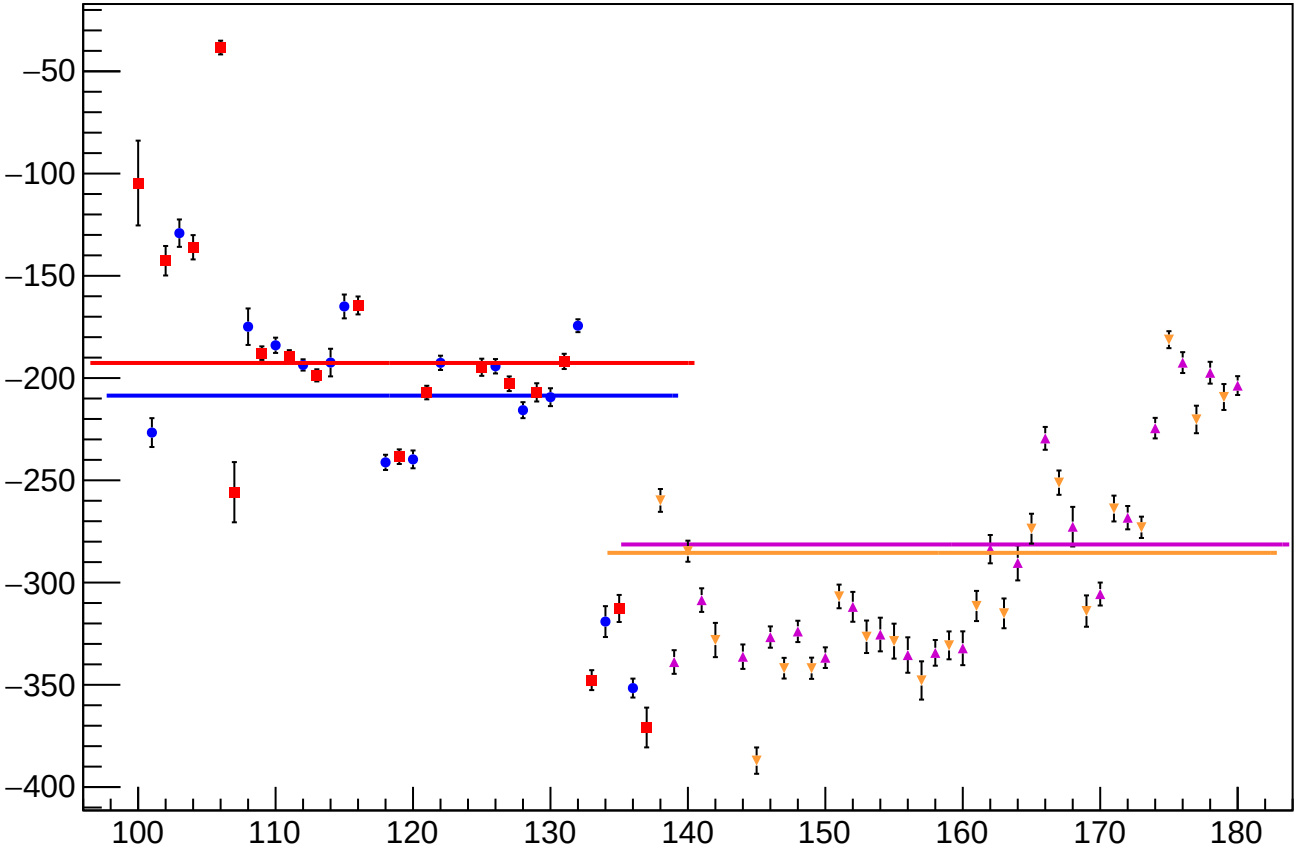
Left In: -10.226+/-0.011 χ^2/NDF:24305.0/20

+ sign -10.486+/-0.010 χ^2/NDF: 385028.0/36

All: -10.429+/-0.007 χ^2/NDF: 725371.0/75

- 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: -285.465+/-1.355 χ^2/NDF:1658.9/20

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

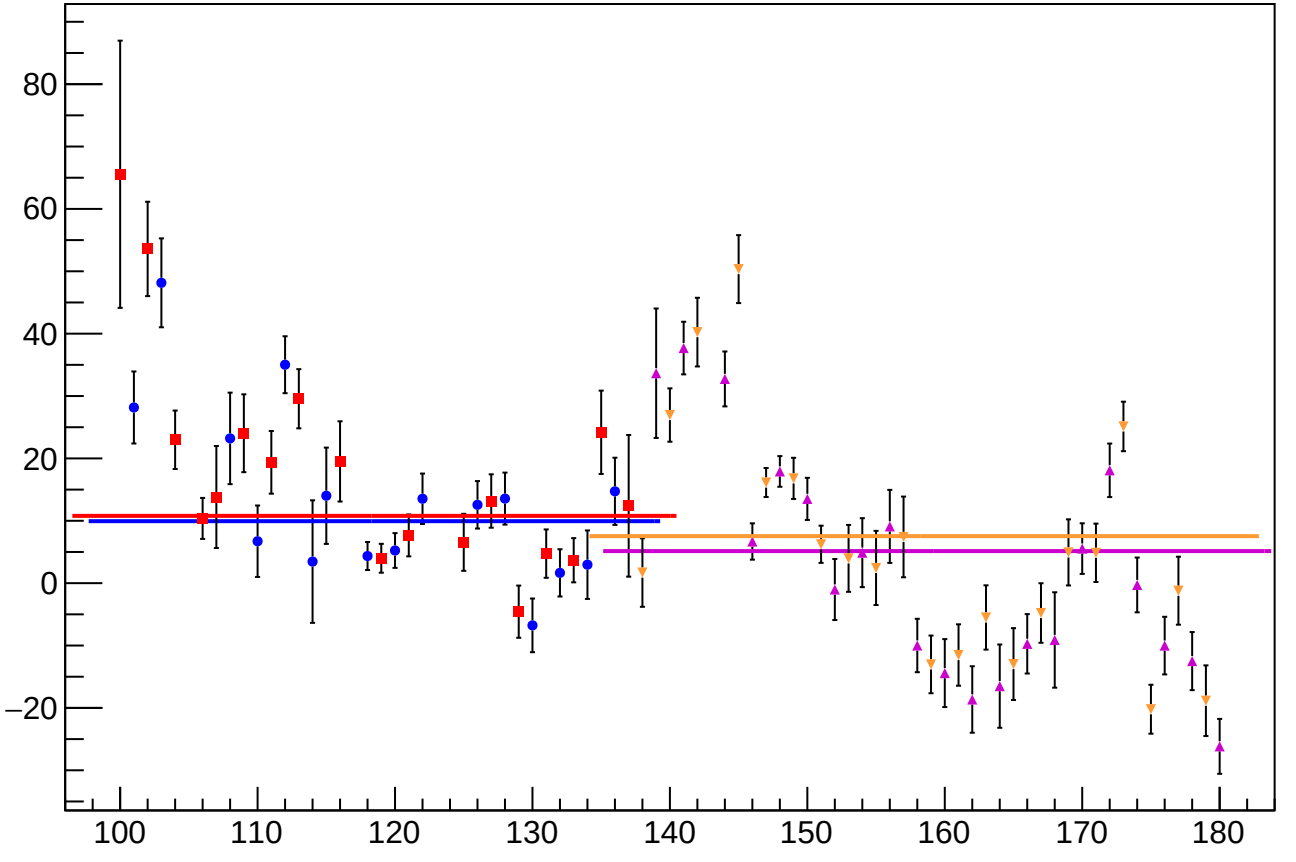
Left In: -281.369+/-1.304 χ^2/NDF:1738.8/20

+ sign -238.003+/-0.838 χ^2/NDF: 5398.3/36

All: -231.366+/-0.576 χ^2/NDF: 14381.2/75

- 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: 7.536+/-0.951 χ^2/NDF:296.8/20

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

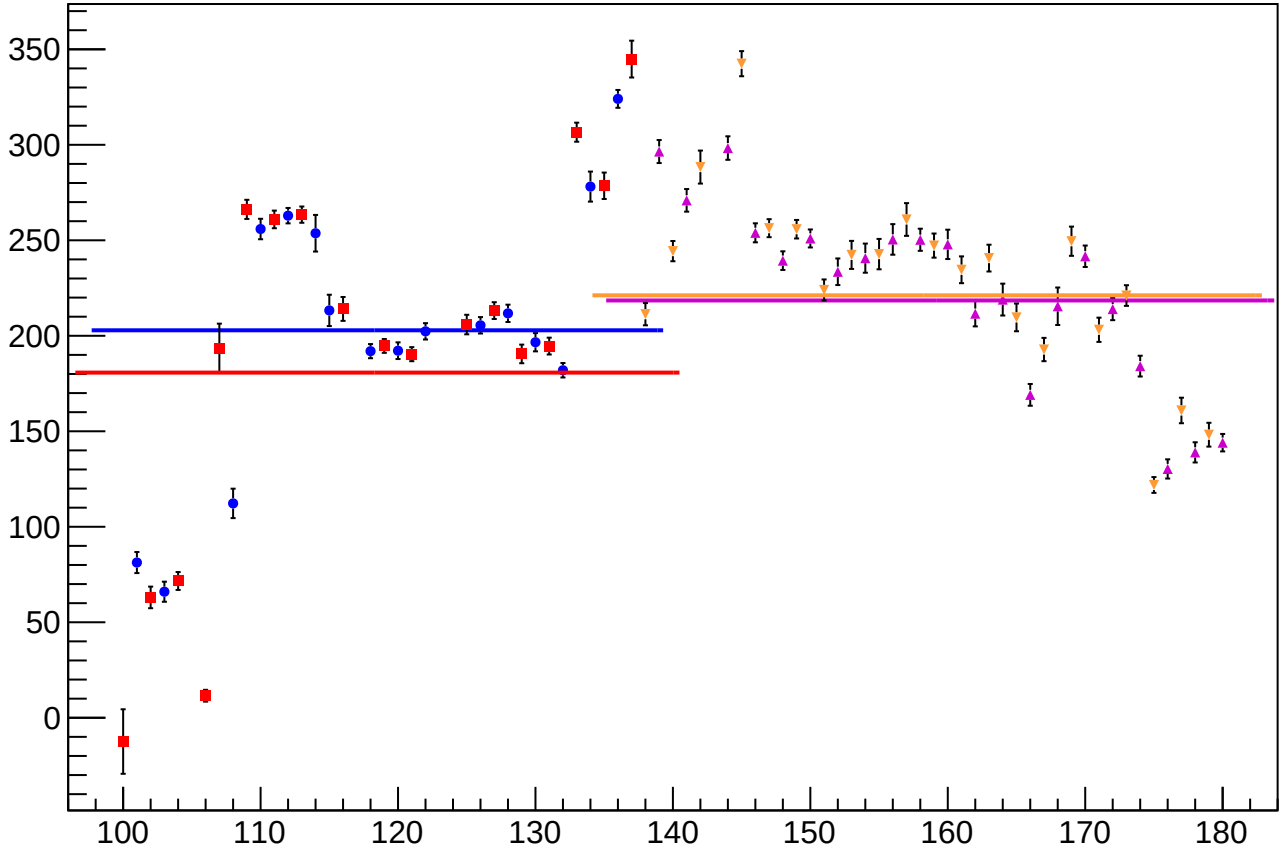
Left In: 5.142+/-0.949 χ^2/NDF:297.3/20

+ sign 8.601+/-0.710 χ^2/NDF: 406.2/36

All: 8.144+/-0.499 χ^2/NDF: 825.4/75

- 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: 221.189+/-1.331 χ^2/NDF:1435.8/20

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

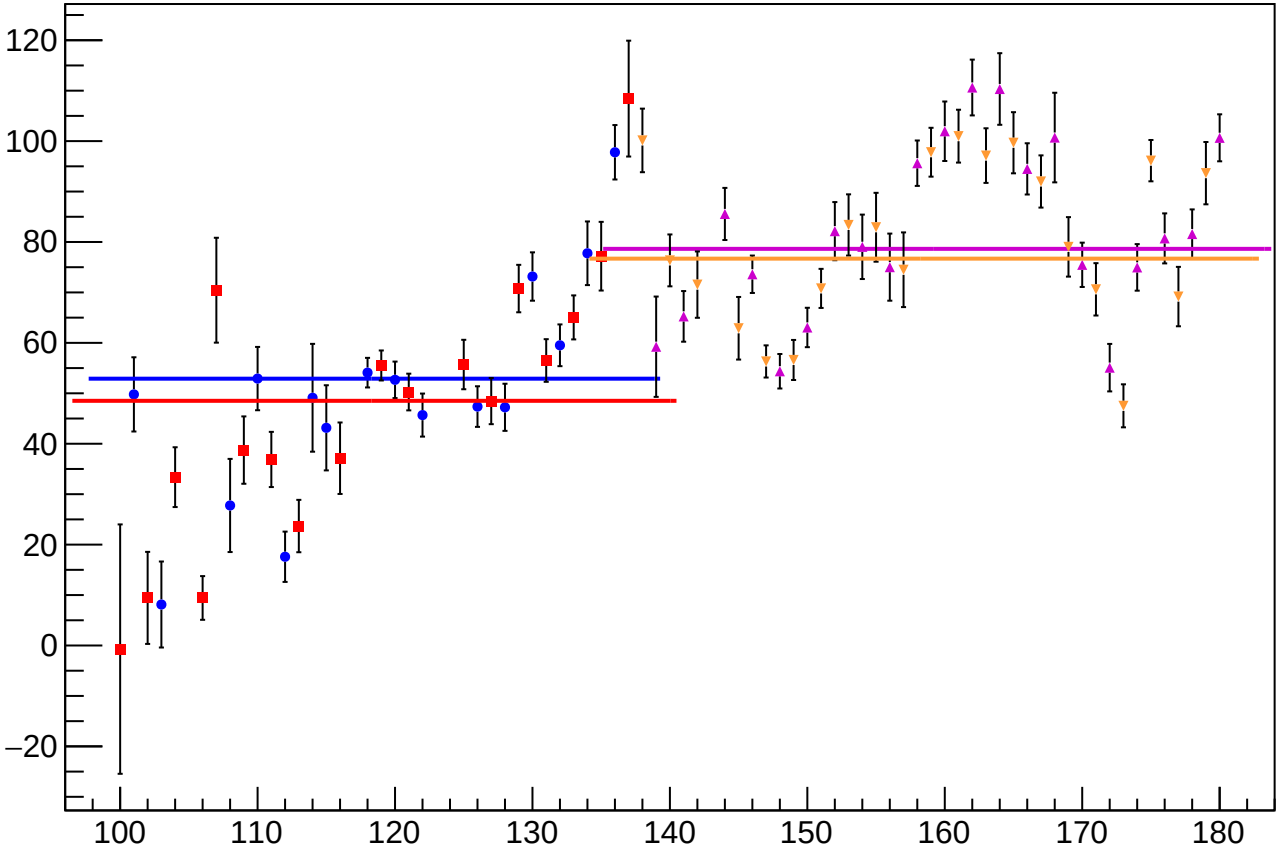
Left In: 218.503+/-1.284 χ^2/NDF:1536.2/20

+ sign 211.277+/-0.902 χ^2/NDF: 4002.5/36

All: 203.981+/-0.620 χ^2/NDF: 12493.1/75

- 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: 76.698+/-1.104 χ^2/NDF:248.1/20

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

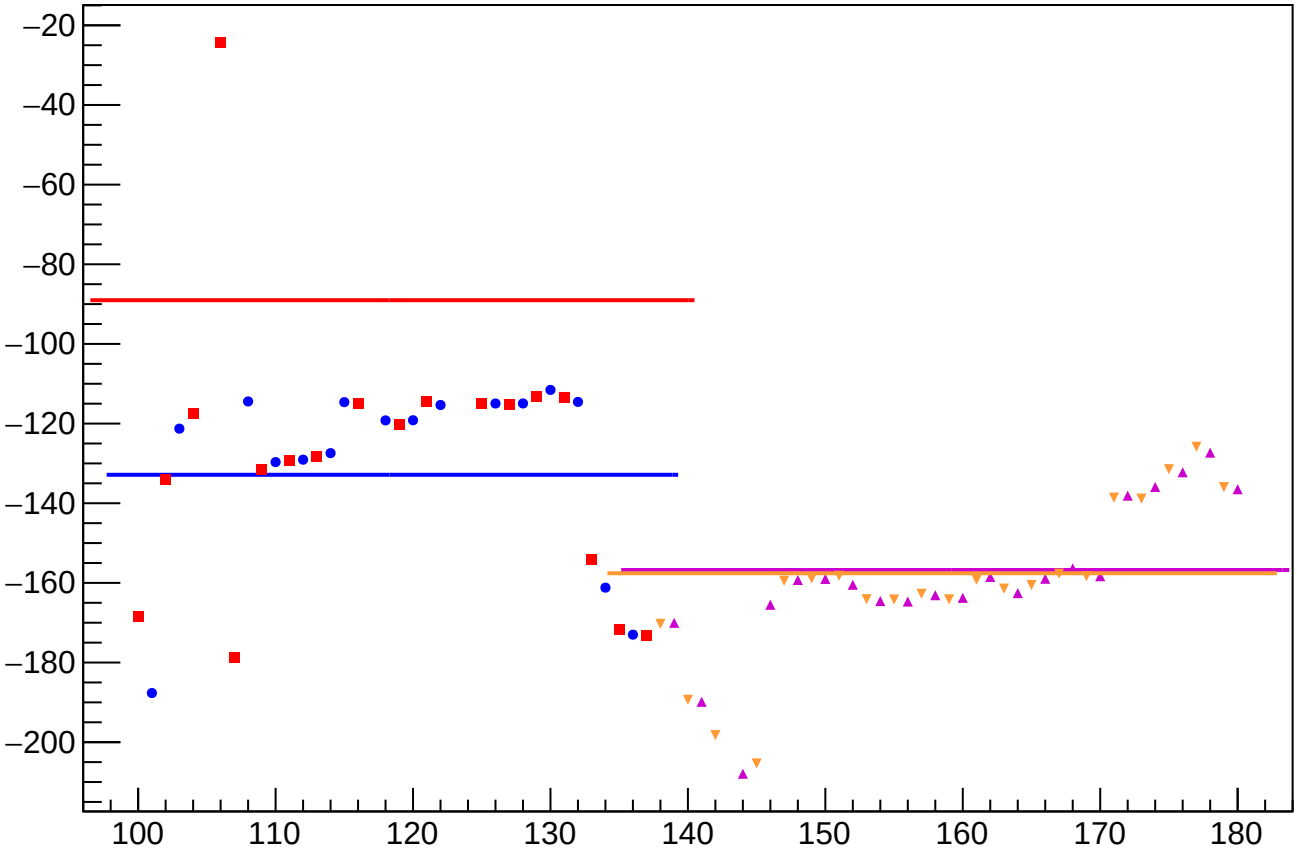
Left In: 78.640+/-1.089 χ^2/NDF:229.7/20

+ sign 66.190+/-0.825 χ^2/NDF: 651.6/36

All: 65.689+/-0.578 χ^2/NDF: 1463.2/75

- 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: -157.578+/-0.052 χ^2/NDF:129782.8/20

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

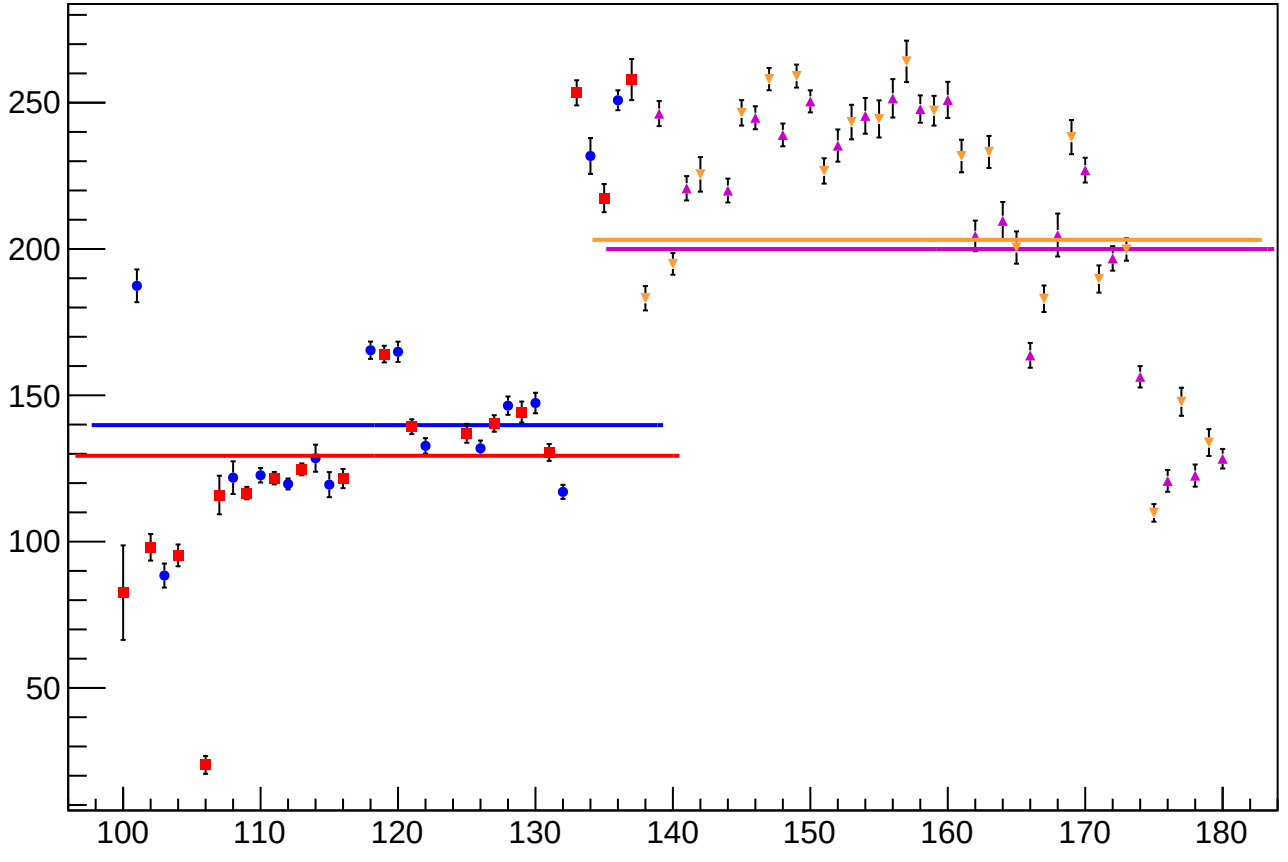
Left In: -156.759+/-0.050 χ^2/NDF:121333.6/20

+ sign -150.487+/-0.044 χ^2/NDF: 289137.5/36

All: -139.938+/-0.029 χ^2/NDF: 1941388.0/75

- 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: 203.125+/-0.998 χ^2/NDF:2267.0/20

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

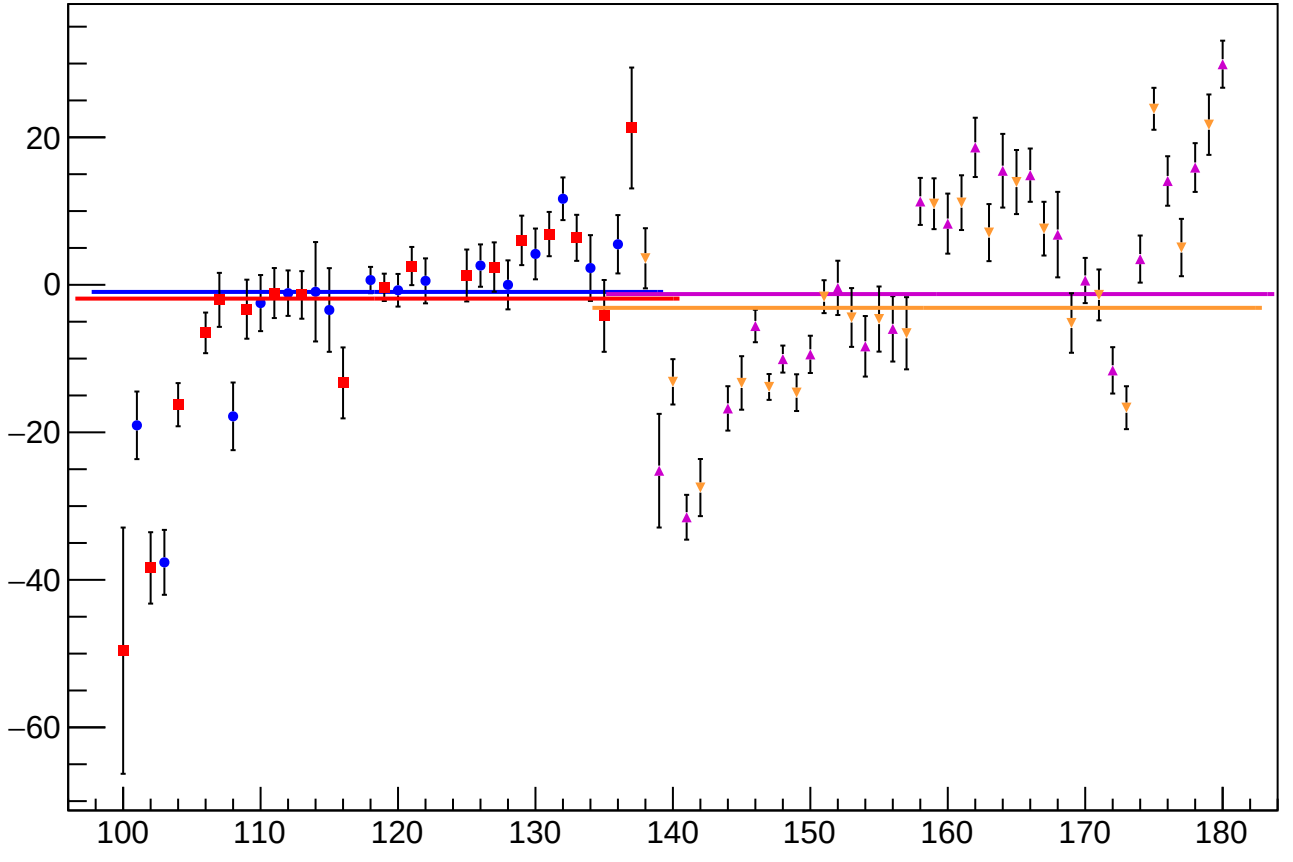
Left In: 199.993+/-0.961 χ^2/NDF:2499.5/20

+ sign 163.998+/-0.617 χ^2/NDF: 6719.9/36

All: 159.454+/-0.424 χ^2/NDF: 15858.6/75

- 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: -3.121+/-0.704 χ^2/NDF:336.9/20

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

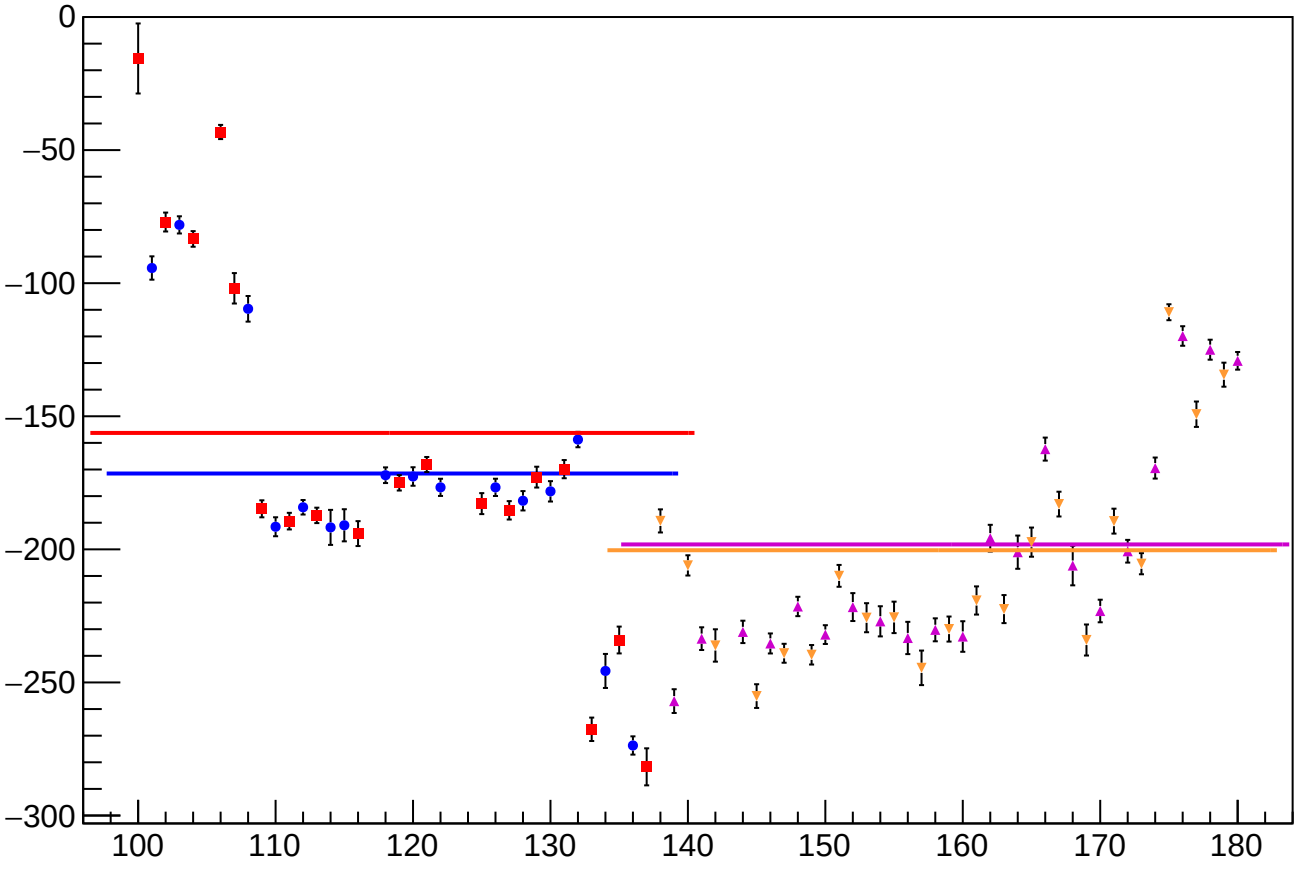
Left In: -1.254+/-0.701 χ^2/NDF:412.2/20

+ sign -2.190+/-0.531 χ^2/NDF: 467.0/36

All: -1.854+/-0.372 χ^2/NDF: 1013.5/75

- 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: -200.332+/-0.982 χ^2/NDF:1862.3/20

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

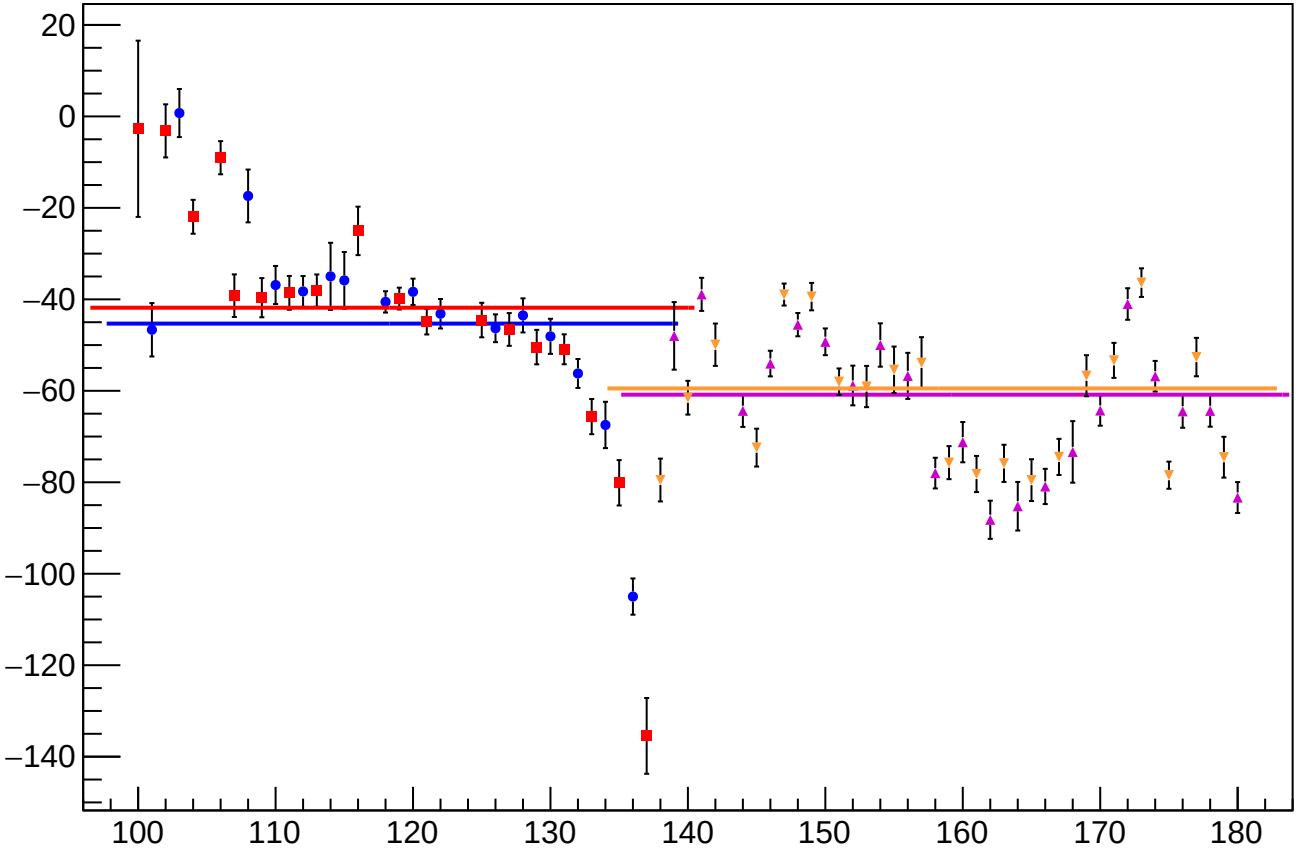
Left In: -198.148+/-0.947 χ^2/NDF:2131.6/20

+ sign -184.777+/-0.666 χ^2/NDF: 4770.3/36

All: -179.565+/-0.458 χ^2/NDF: 13008.9/75

- 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: -59.483+/-0.816 χ^2/NDF:357.2/20

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

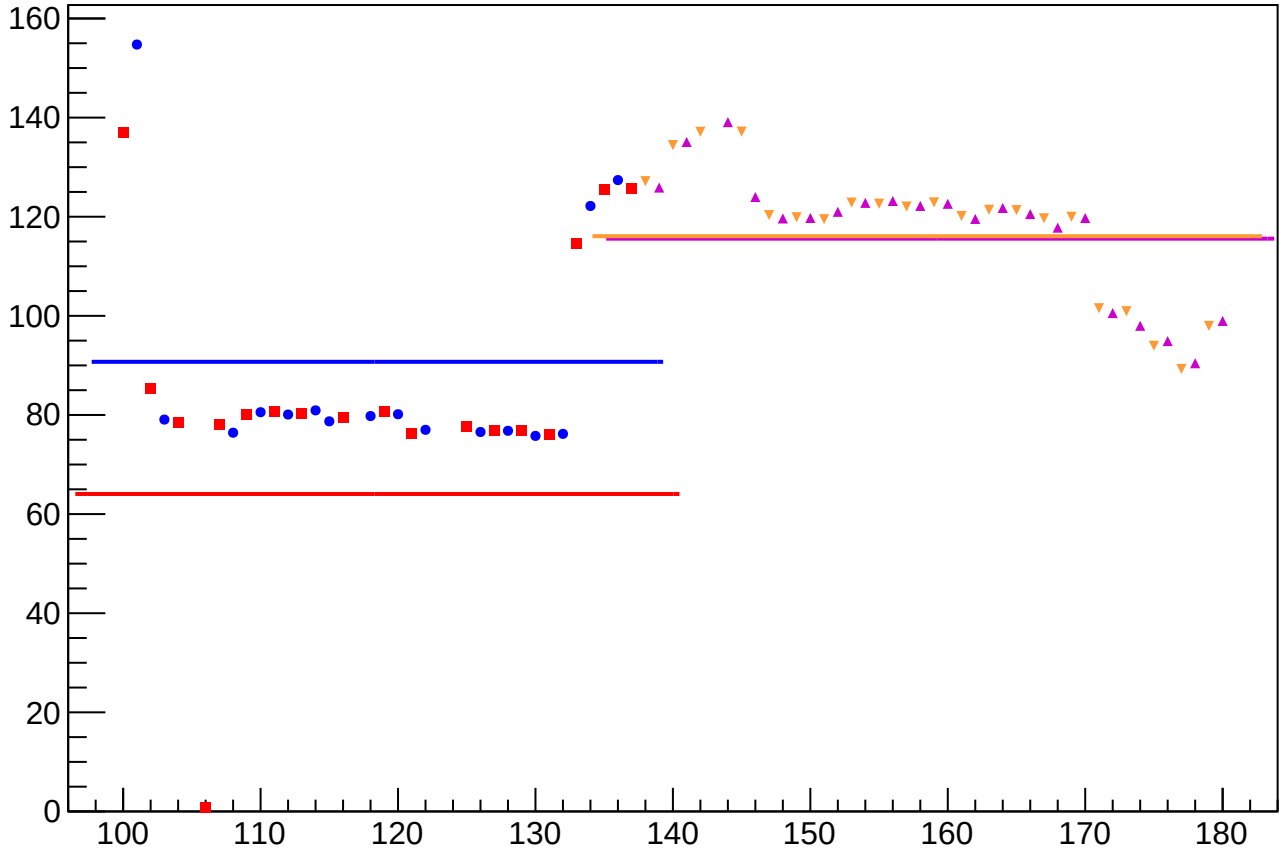
Left In: -60.845+/-0.805 χ^2/NDF:312.8/20

\+ sign -53.369+/-0.616 χ^2/NDF: 869.3/36

All: -52.923+/-0.431 χ^2/NDF: 1842.6/75

\- 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: 116.070+/-0.038 χ^2/NDF:123742.4/20

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

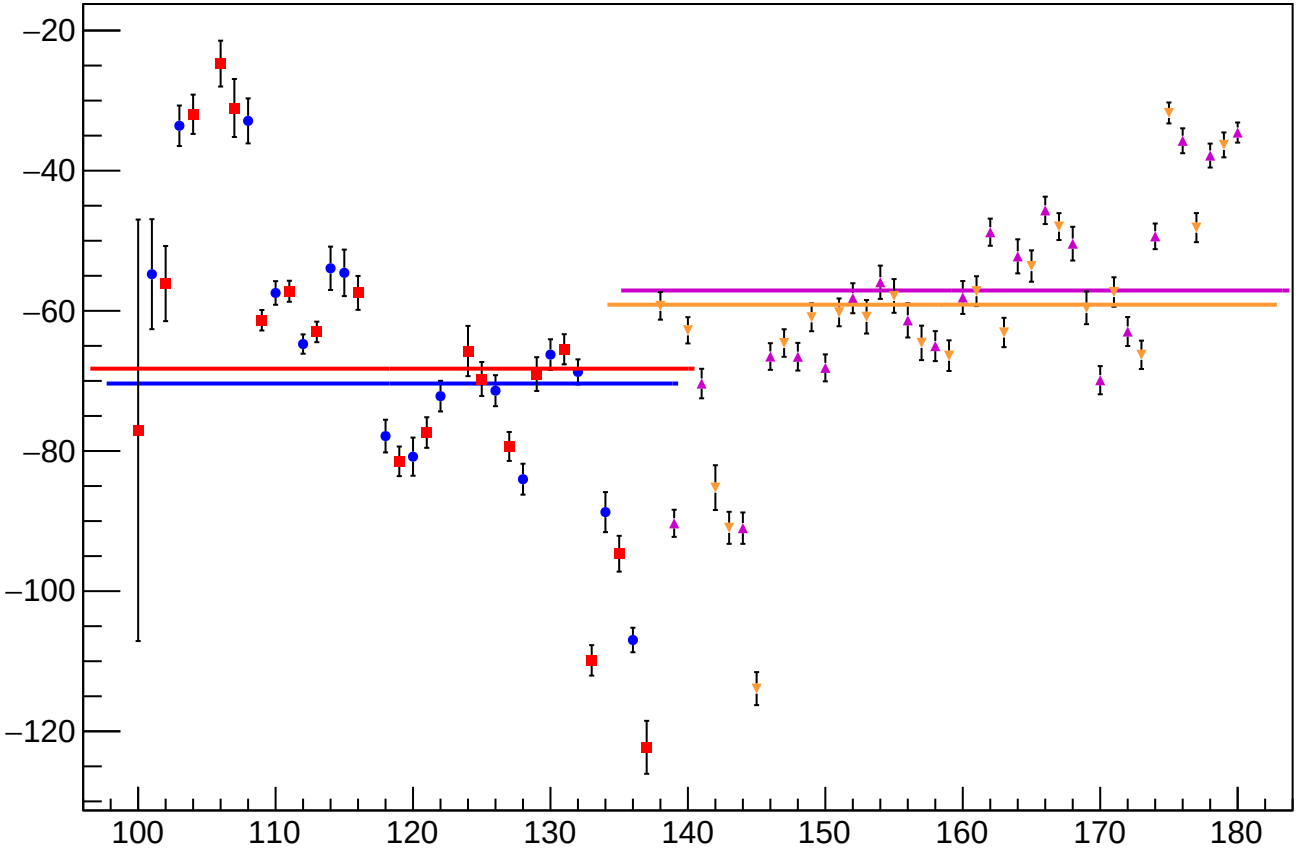
Left In: 115.576+/-0.037 χ^2/NDF:124427.0/20

+ sign 108.512+/-0.032 χ^2/NDF: 416694.1/36

All: 102.389+/-0.022 χ^2/NDF: 1972221.3/75

- 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: -59.125+/-0.444 χ^2/NDF:1417.1/21

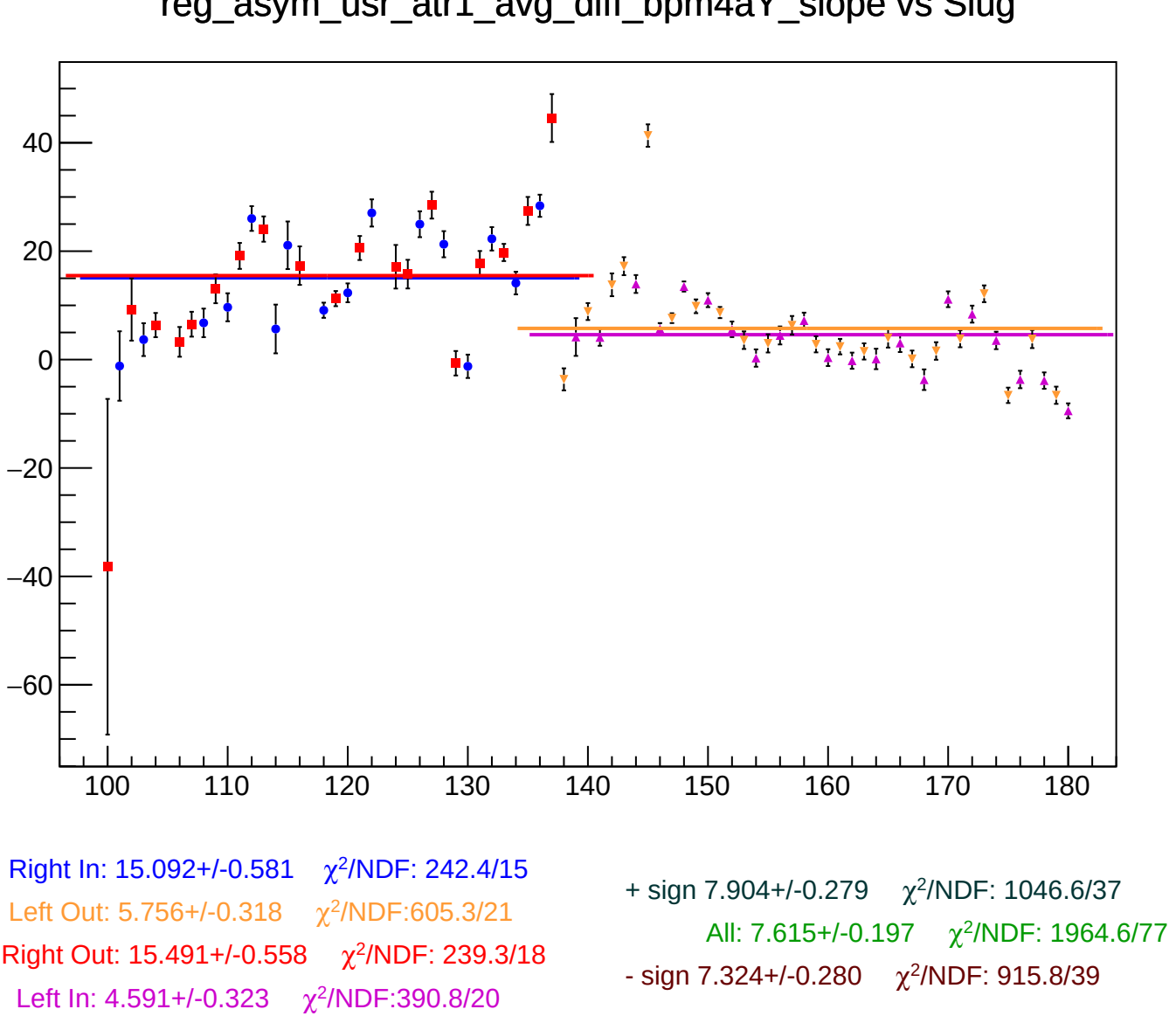
Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -57.098+/-0.436 χ^2/NDF:1311.6/20

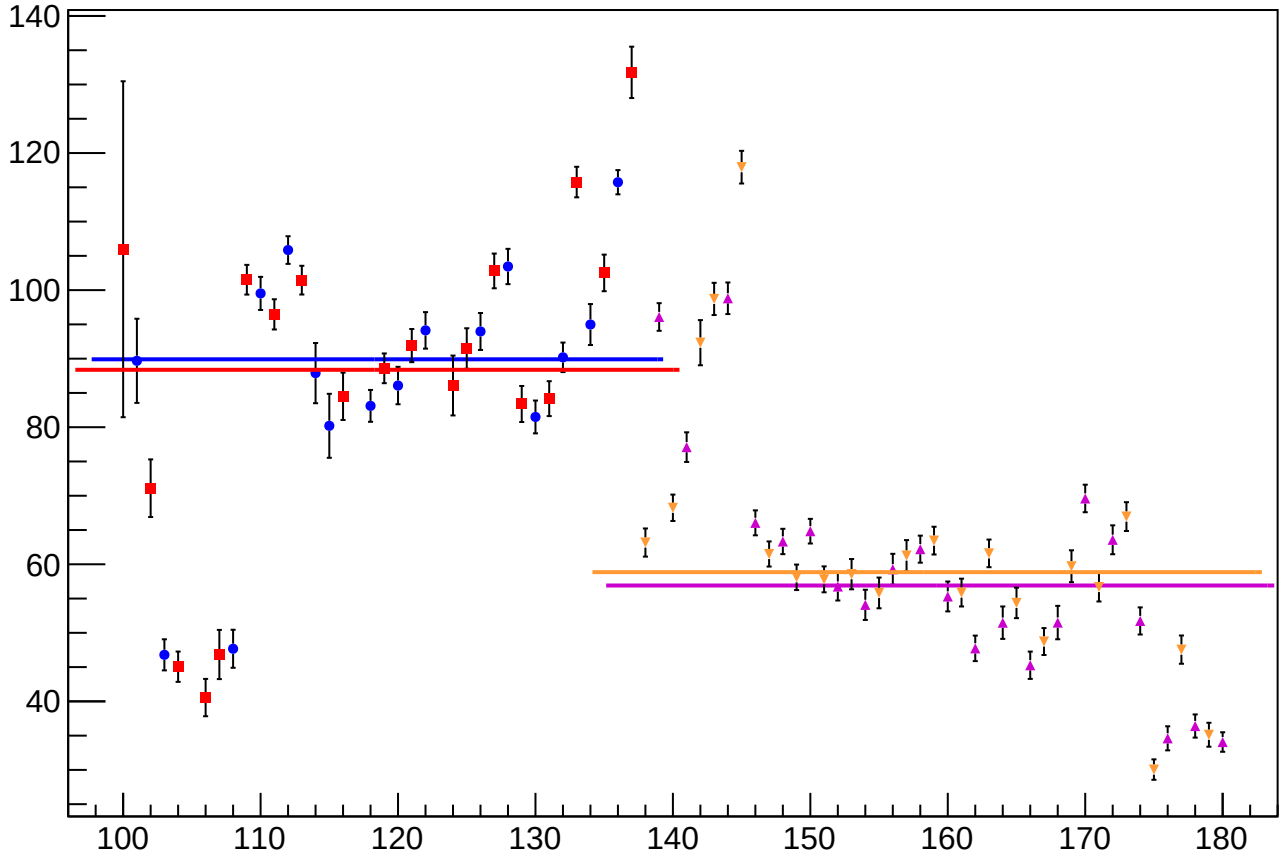
\+ sign -63.487+/-0.347 χ^2/NDF: 2641.0/37

All: -62.531+/-0.241 χ^2/NDF: 5539.3/77

\- sign -61.636+/-0.336 χ^2/NDF: 2883.6/39


reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 15.092+/-0.581 χ²/NDF: 242.4/15
Left Out: 5.756+/-0.318 χ²/NDF:605.3/21
Right Out: 15.491+/-0.558 χ²/NDF: 239.3/18
Left In: 4.591+/-0.323 χ²/NDF:390.8/20
+ sign 7.904+/-0.279 χ²/NDF: 1046.6/37
All: 7.615+/-0.197 χ²/NDF: 1964.6/77
- sign 7.324+/-0.280 χ²/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: 58.853+/-0.436 χ^2/NDF:1683.6/21

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

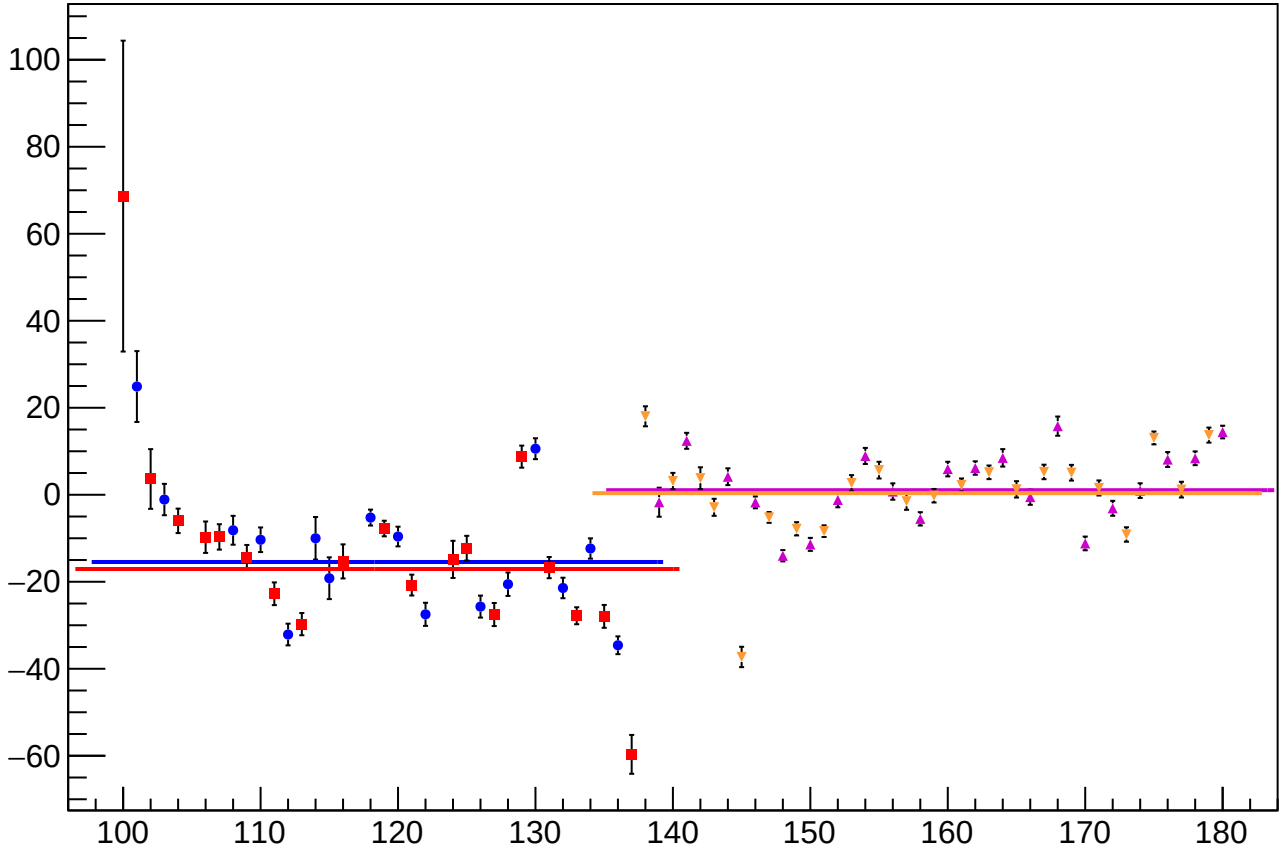
Left In: 56.903+/-0.429 χ^2/NDF:1553.4/20

+ sign 68.673+/-0.360 χ^2/NDF: 4237.7/37

All: 67.887+/-0.252 χ^2/NDF: 8842.6/77

- 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: 0.369+/-0.364 χ^2/NDF:618.9/21

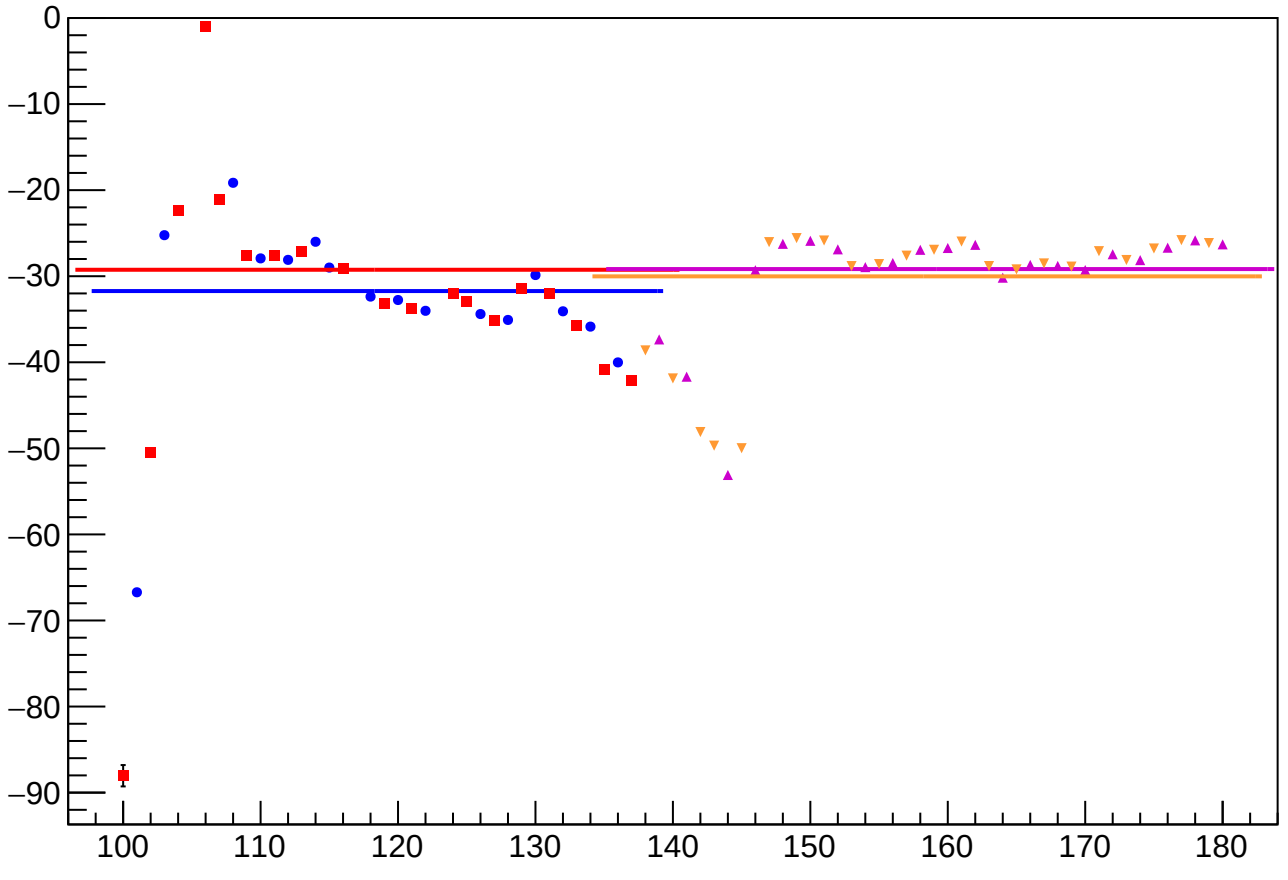
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 1.052+/-0.367 χ^2/NDF:555.1/20

\+ sign -3.282+/-0.320 χ^2/NDF: 1440.3/37

All: -3.338+/-0.226 χ^2/NDF: 2954.4/77

\- 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: -30.017+/-0.017 χ^2/NDF:160980.8/21

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

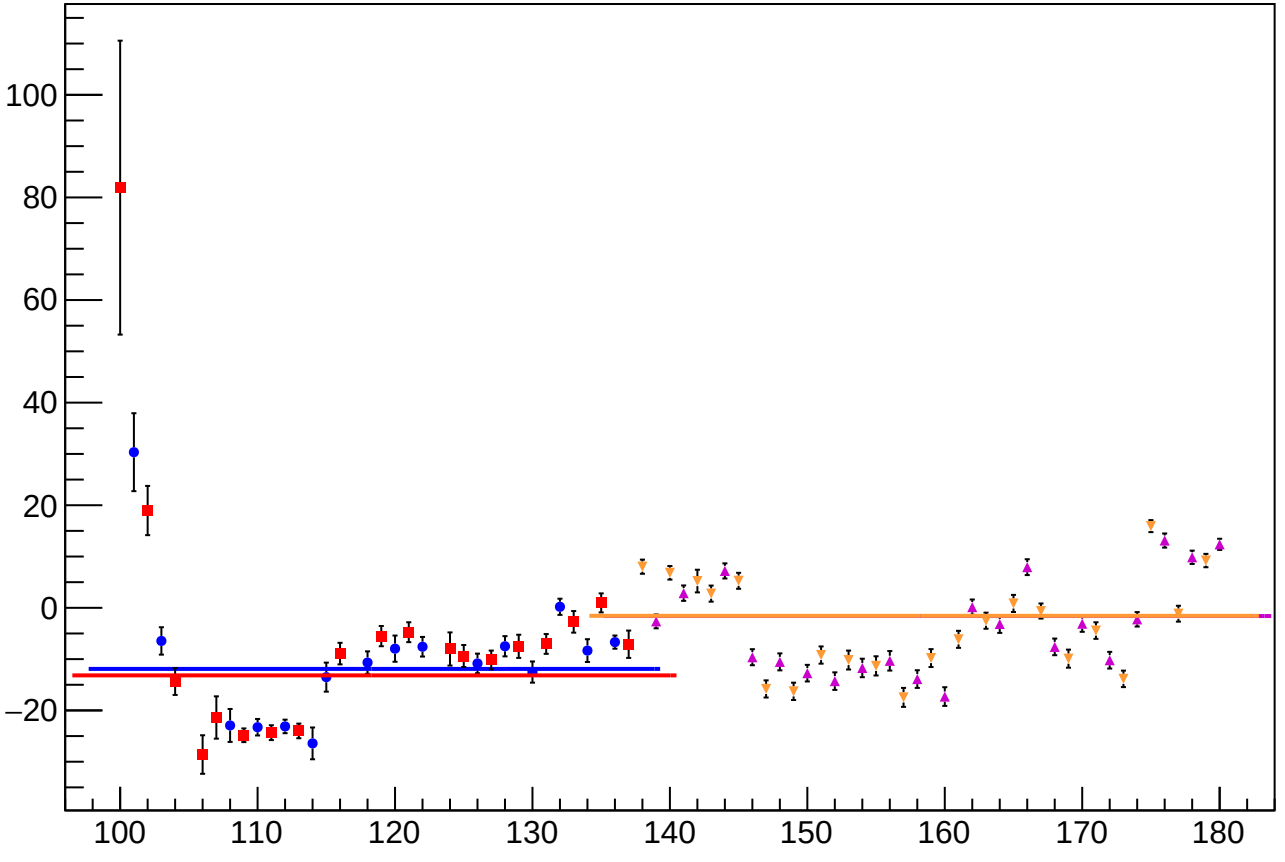
Left In: -29.169+/-0.016 χ^2/NDF:100947.3/20

+ sign -30.286+/-0.015 χ^2/NDF: 202274.4/37

All: -29.727+/-0.011 χ^2/NDF: 401102.1/77

- 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: -1.555+/-0.337 χ^2/NDF:823.9/21

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

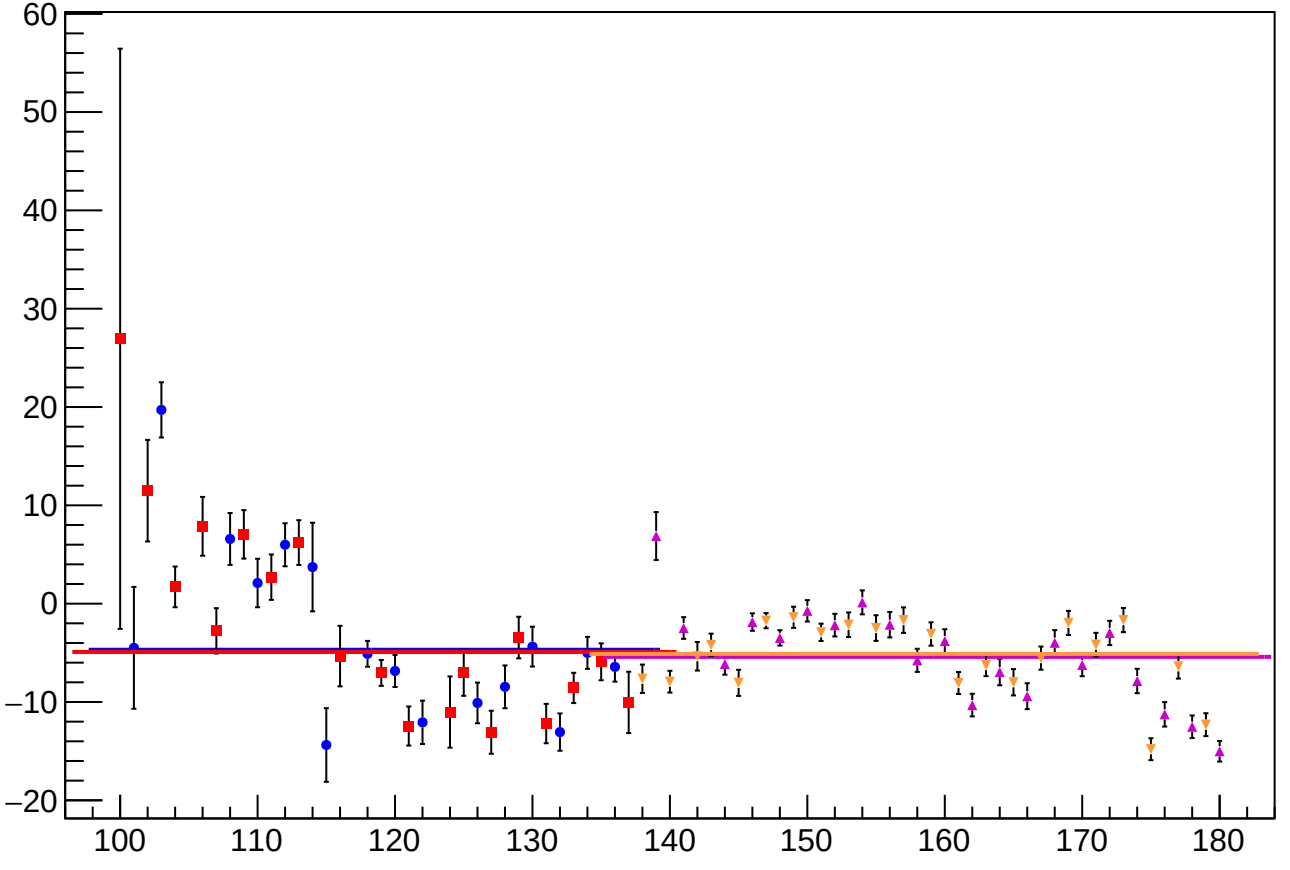
Left In: -1.599+/-0.333 χ^2/NDF:819.8/20

+ sign -4.820+/-0.279 χ^2/NDF: 1403.3/37

All: -5.096+/-0.195 χ^2/NDF: 3038.4/77

- 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: -5.111+/-0.246 χ^2/NDF:214.6/21

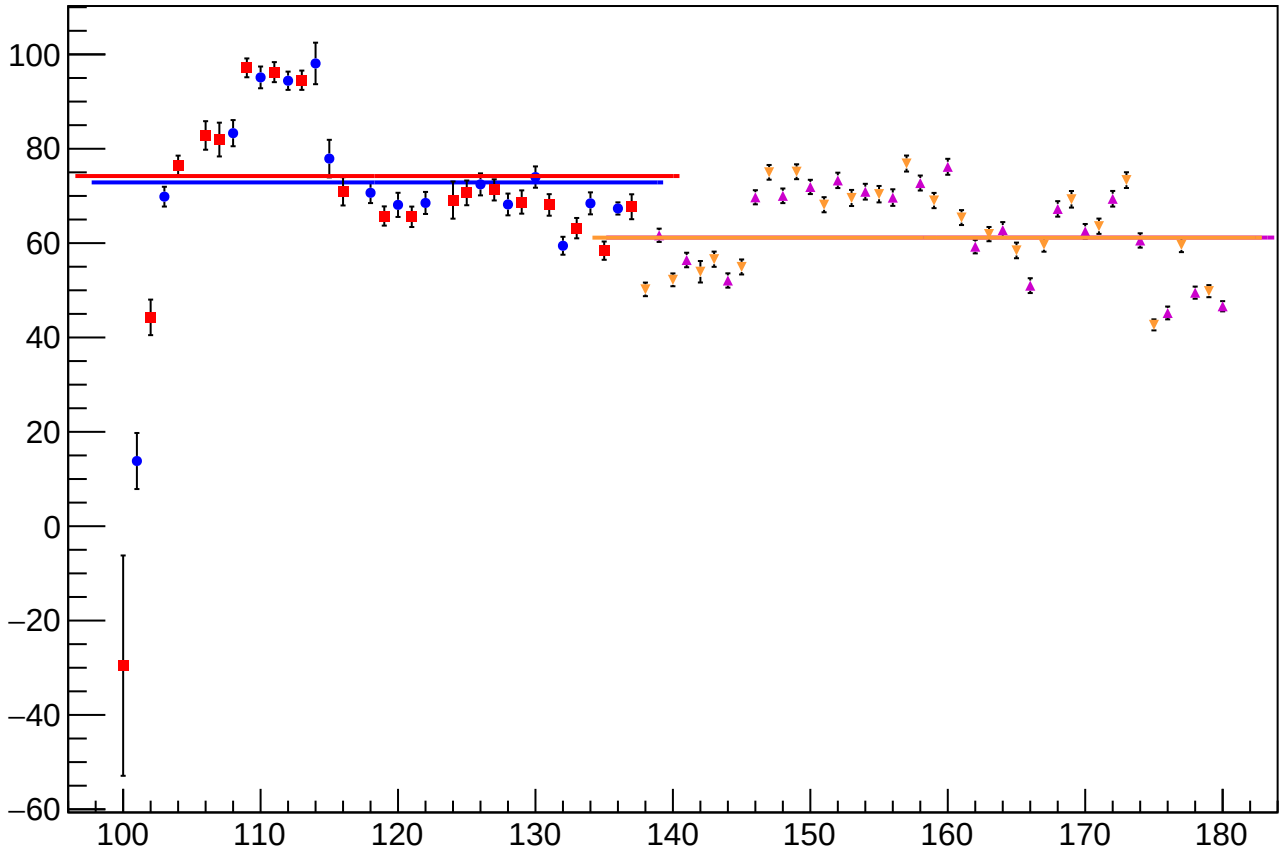
Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -5.412+/-0.251 χ^2/NDF:292.4/20

+ sign -5.032+/-0.222 χ^2/NDF: 394.2/37

All: -5.172+/-0.158 χ^2/NDF: 844.1/77

- sign -5.316+/-0.225 χ^2/NDF: 449.0/39



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 61.159+/-0.332 χ^2/NDF:888.4/21

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

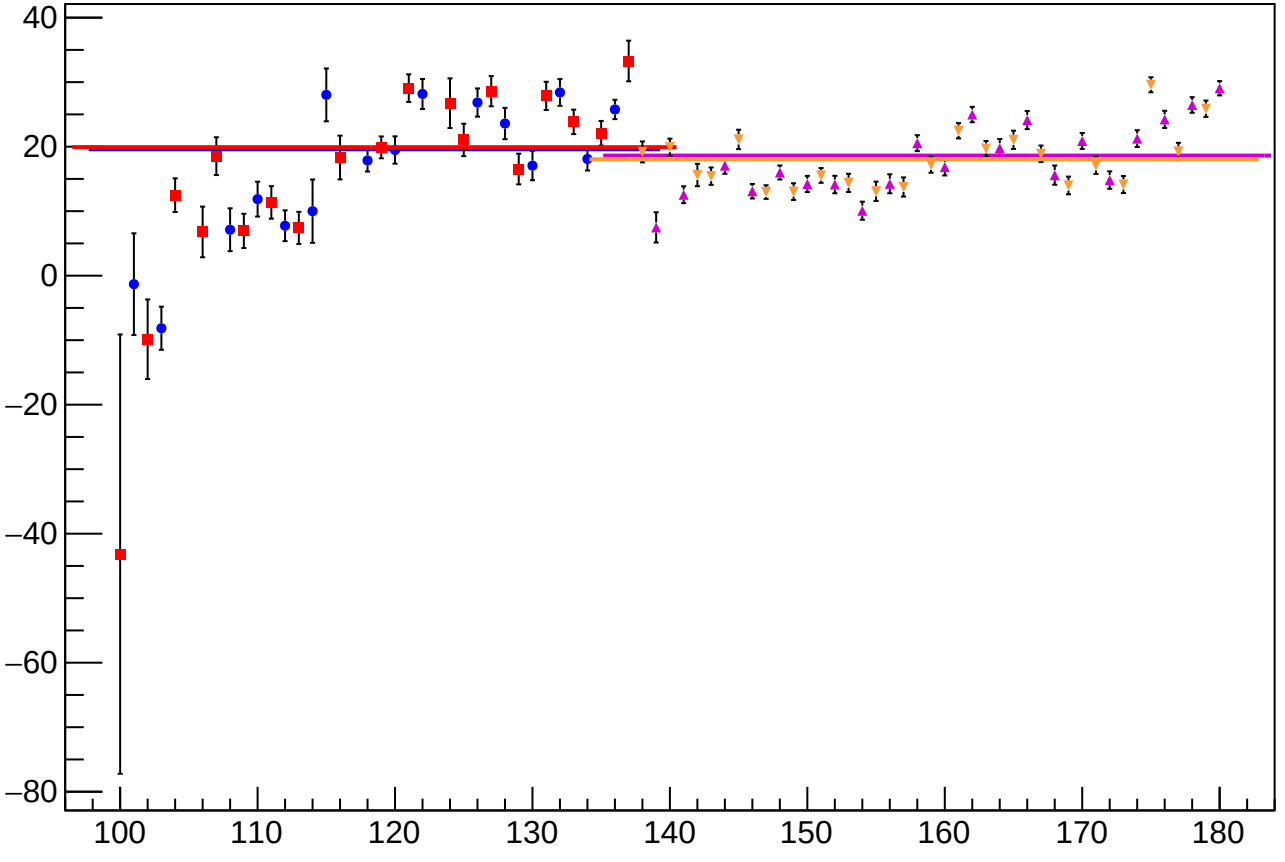
Left In: 61.178+/-0.329 χ^2/NDF:889.5/20

+ sign 64.164+/-0.286 χ^2/NDF: 1657.8/37

All: 64.331+/-0.202 χ^2/NDF: 3535.2/77

- 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: 18.050+/-0.281 χ^2/NDF:258.5/21

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

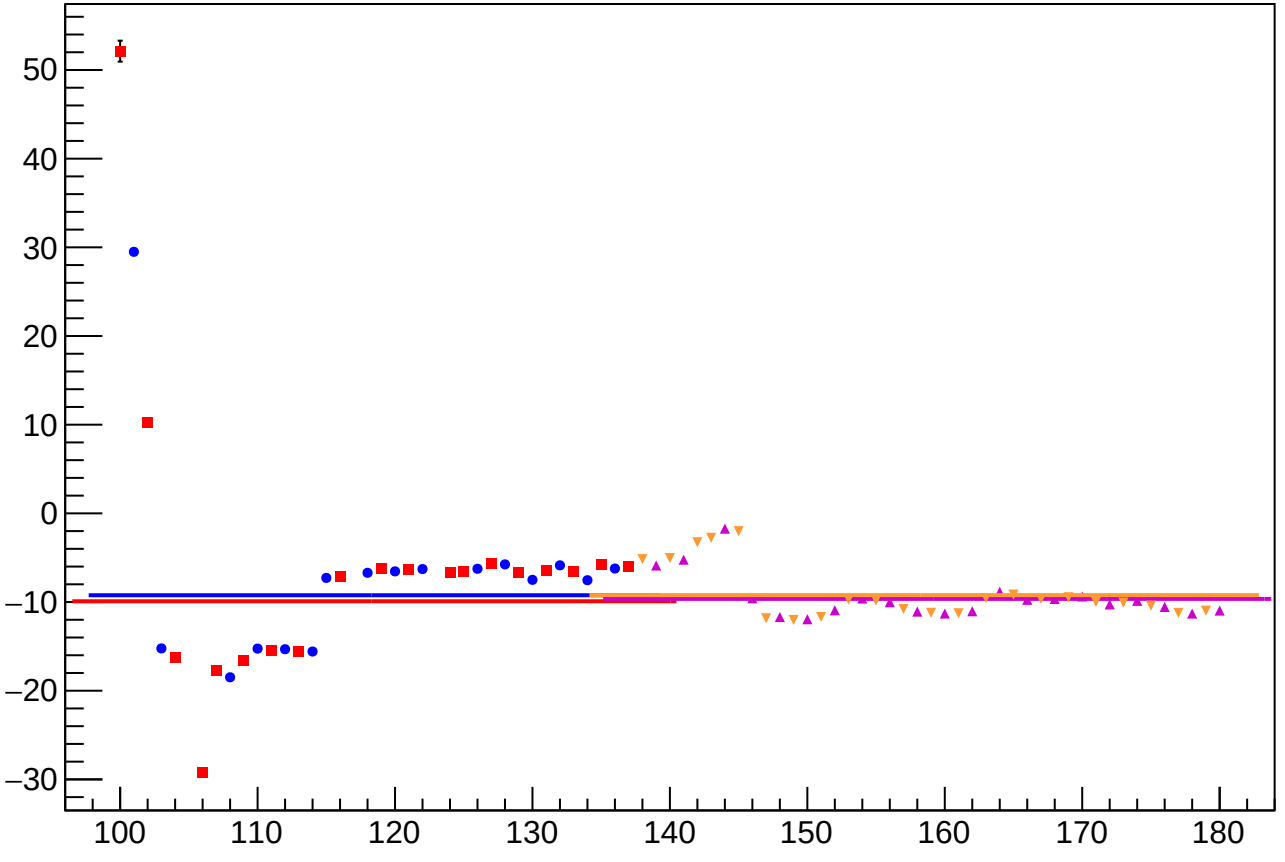
Left In: 18.616+/-0.284 χ^2/NDF:361.3/20

\+ sign 18.339+/-0.253 χ^2/NDF: 460.2/37

All: 18.599+/-0.180 χ^2/NDF: 1009.0/77

\- 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: -9.218+/-0.013 χ^2/NDF:48148.5/21

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

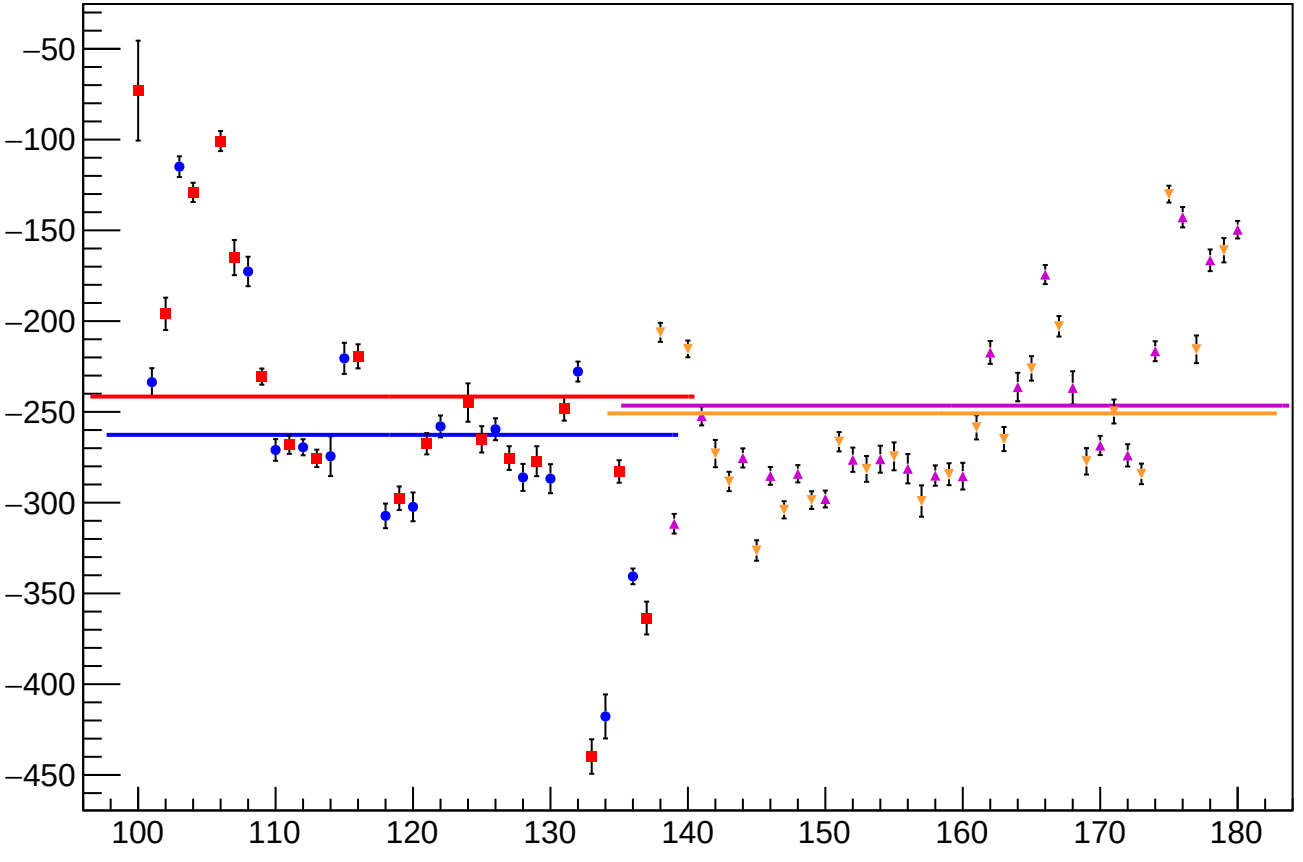
Left In: -9.646+/-0.013 χ^2/NDF:31375.5/20

+ sign -9.221+/-0.012 χ^2/NDF: 79308.0/37

All: -9.449+/-0.008 χ^2/NDF: 165344.8/77

- 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: -250.831+/-1.265 χ^2/NDF:1711.0/21

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

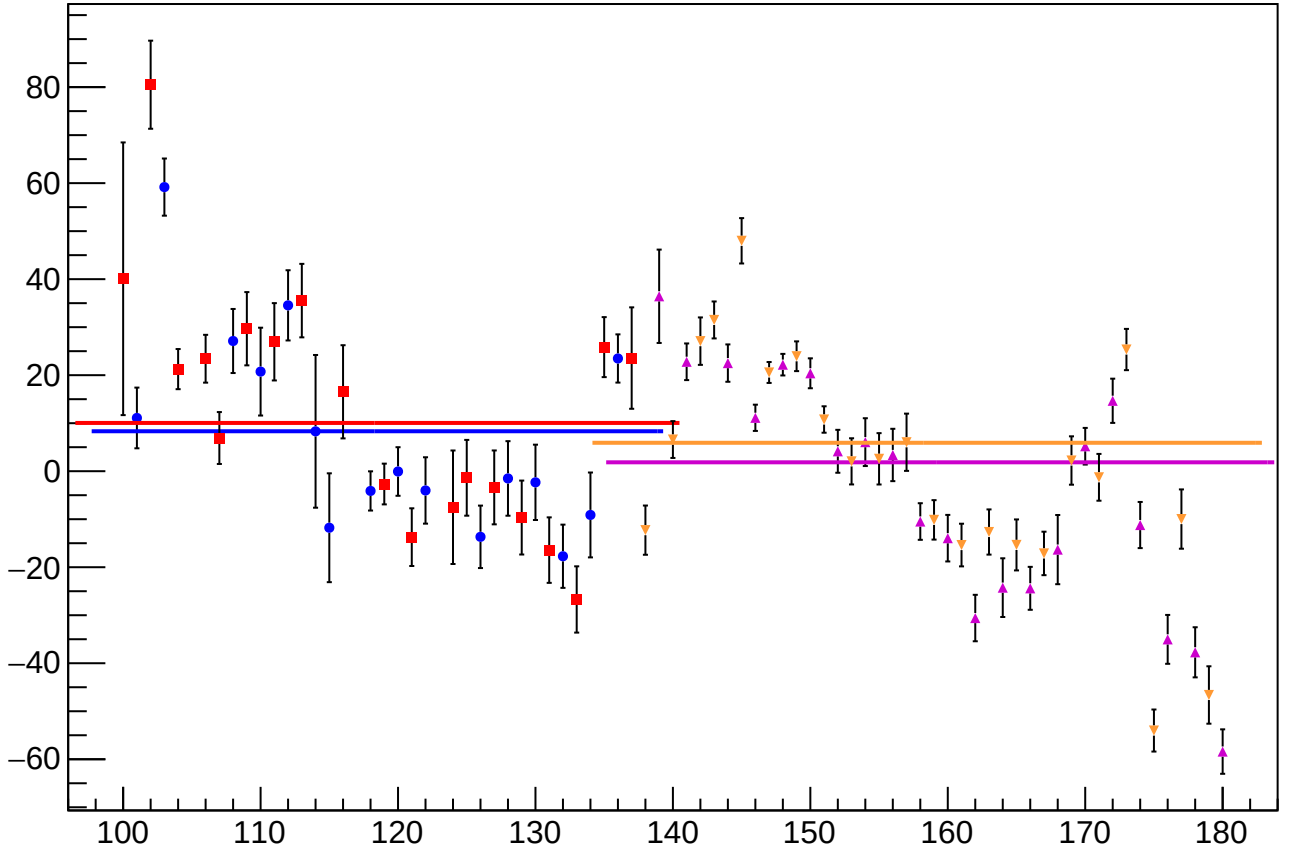
Left In: -246.549+/-1.257 χ^2/NDF:1754.8/20

+ sign -255.328+/-0.996 χ^2/NDF: 3198.5/37

All: -249.743+/-0.693 χ^2/NDF: 7159.4/77

- 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: 5.920+/-0.879 χ^2/NDF:627.8/21

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

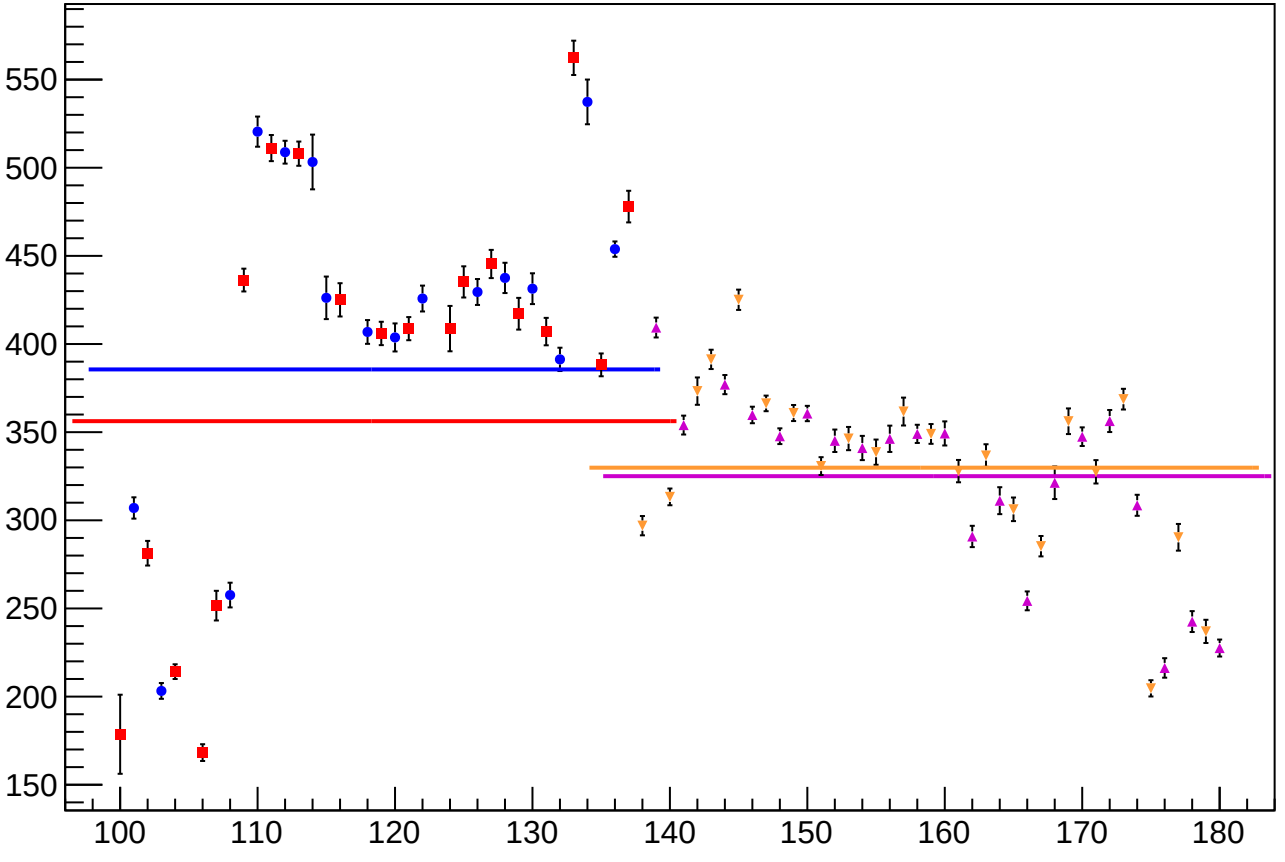
Left In: 1.851+/-0.900 χ^2/NDF:621.3/20

+ sign 6.454+/-0.775 χ^2/NDF: 787.1/37

All: 5.199+/-0.549 χ^2/NDF: 1622.2/77

- 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: 329.856+/-1.244 χ^2/NDF:1720.2/21

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

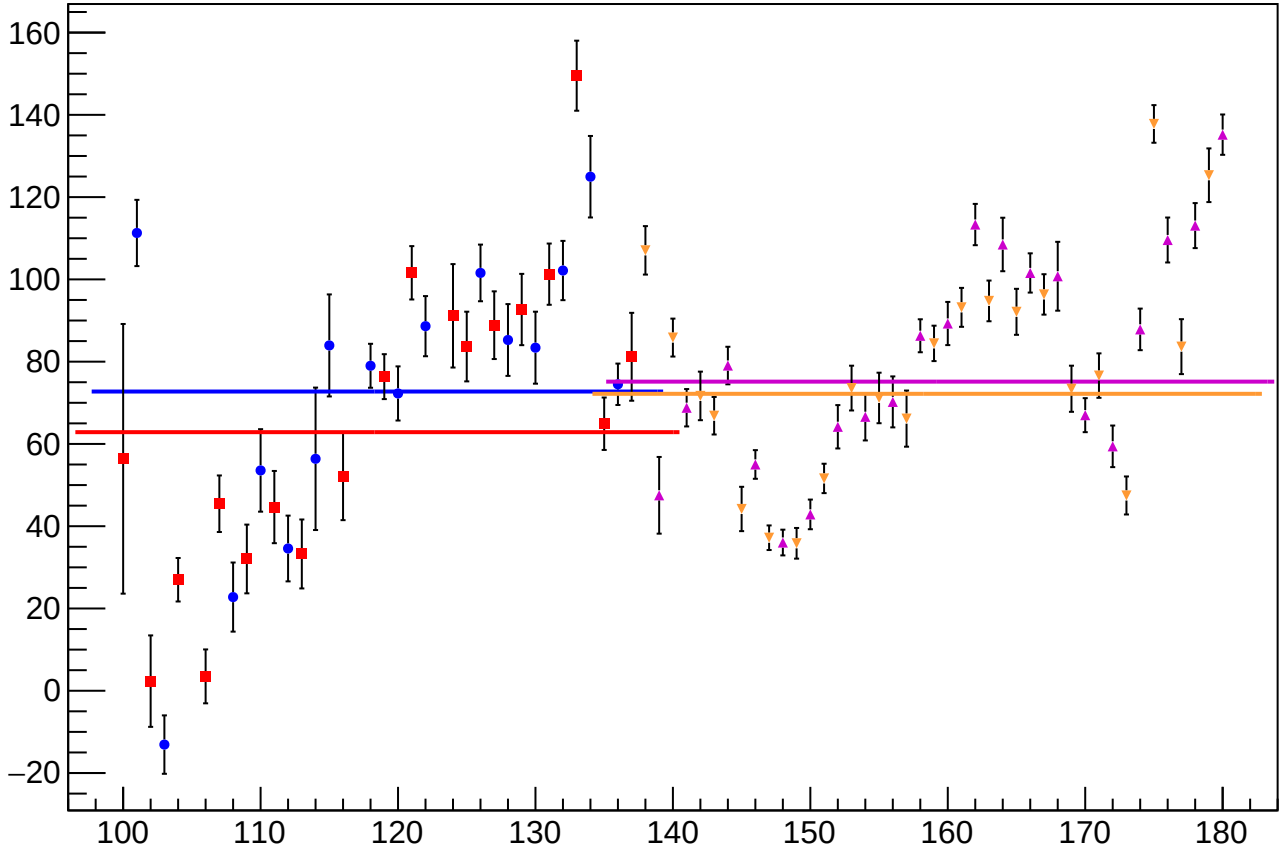
Left In: 325.042+/-1.234 χ^2/NDF:1801.2/20

+ sign 348.672+/-1.012 χ^2/NDF: 5771.2/37

All: 342.316+/-0.707 χ^2/NDF: 13149.5/77

- 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: 72.183+/-1.026 χ^2/NDF:727.9/21

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

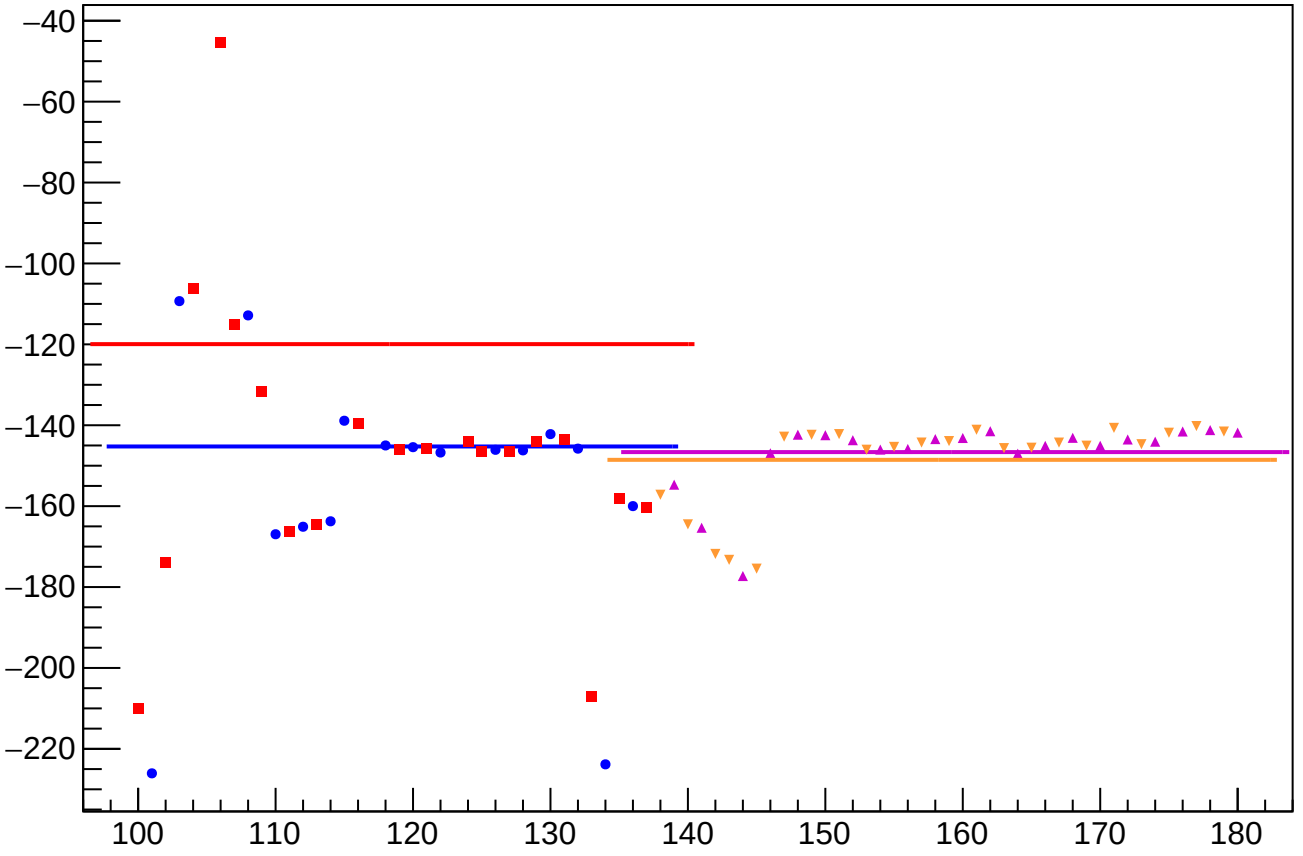
Left In: 75.146+/-1.039 χ^2/NDF:685.4/20

+ sign 72.309+/-0.902 χ^2/NDF: 1032.3/37

All: 72.186+/-0.637 χ^2/NDF: 2156.5/77

- 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: -148.551+/-0.048 χ^2/NDF:48242.7/21

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

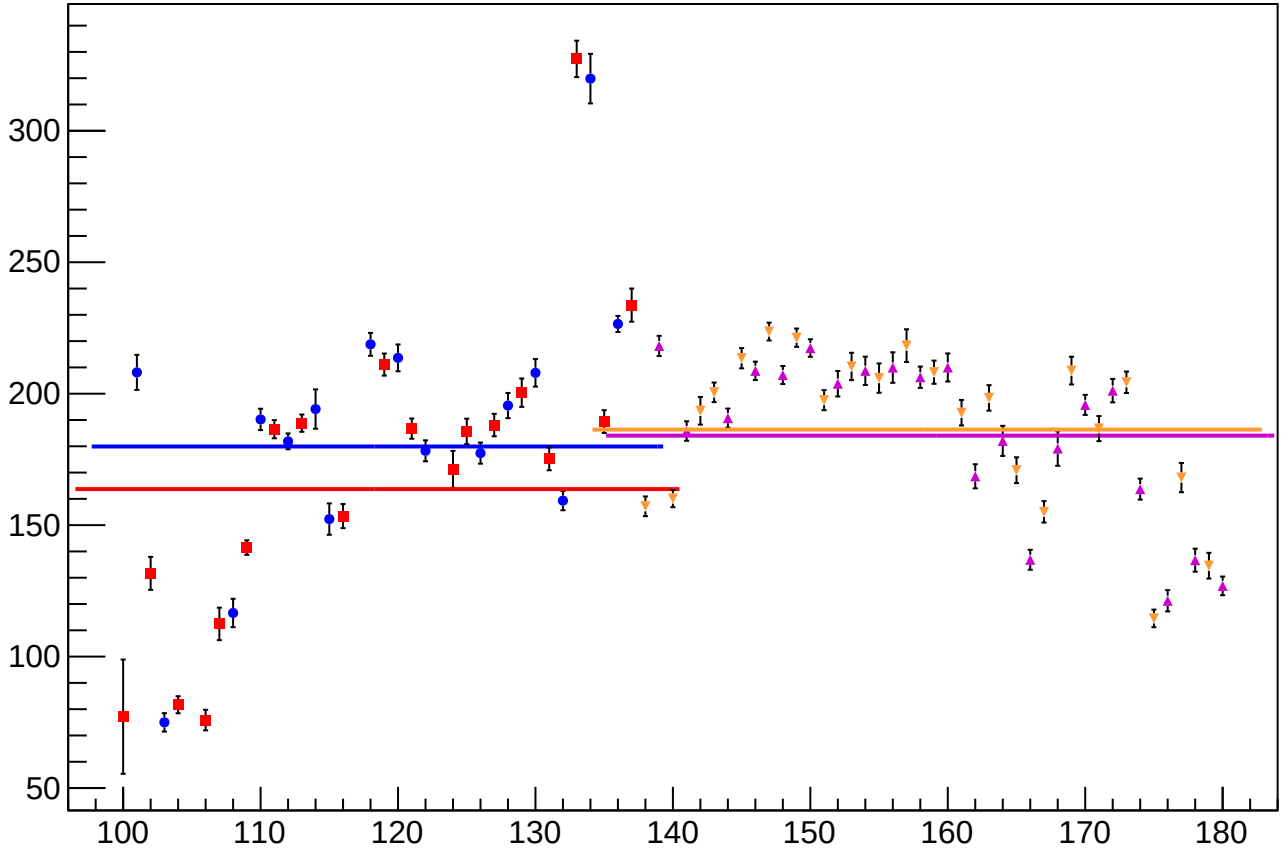
Left In: -146.637+/-0.048 χ^2/NDF:29029.3/20

+ sign -147.910+/-0.043 χ^2/NDF: 181210.2/37

All: -144.190+/-0.030 χ^2/NDF: 564857.3/77

- 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: 186.351+/-0.908 χ^2/NDF:1200.7/21

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

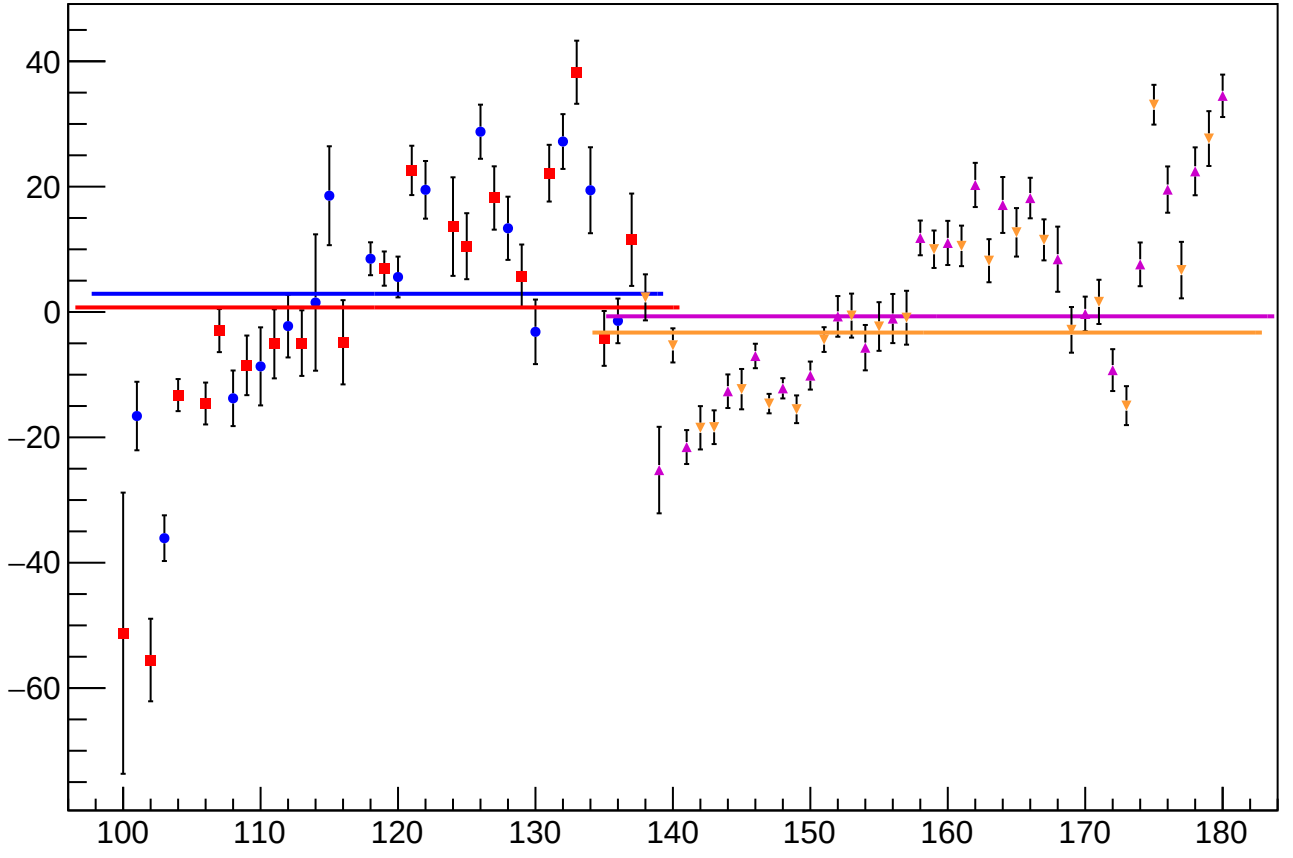
Left In: 184.048+/-0.905 χ^2/NDF:1222.0/20

+ sign 183.713+/-0.697 χ^2/NDF: 2954.0/37

All: 179.140+/-0.484 χ^2/NDF: 6902.7/77

- sign 174.900+/-0.671 χ^2/NDF: 3865.8/39

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -3.280+/-0.630 χ^2/NDF:435.7/21

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

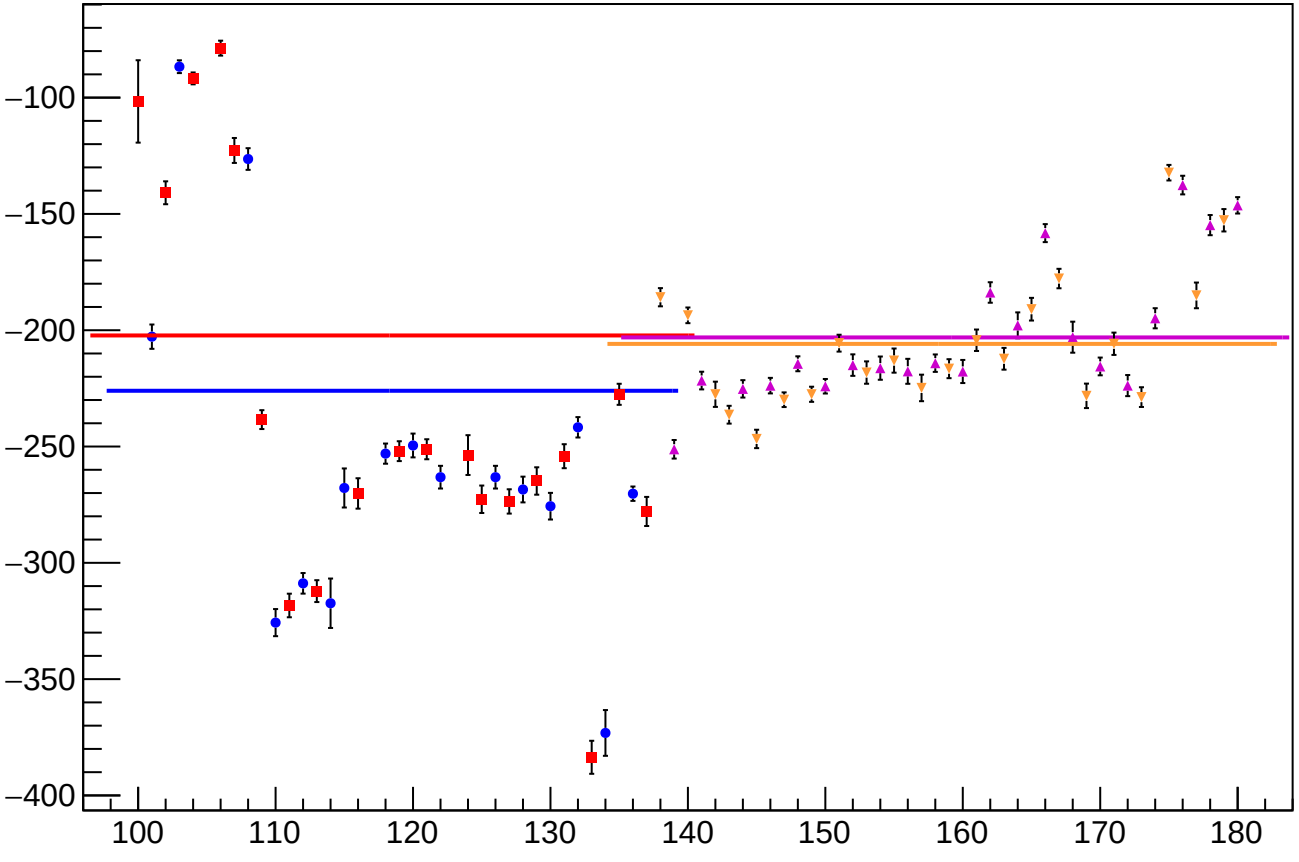
Left In: -0.688+/-0.647 χ^2/NDF:479.5/20

+ sign -1.761+/-0.547 χ^2/NDF: 706.9/37

All: -1.016+/-0.386 χ^2/NDF: 1465.0/77

- 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: -205.876+/-0.893 χ^2/NDF:1077.8/21

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

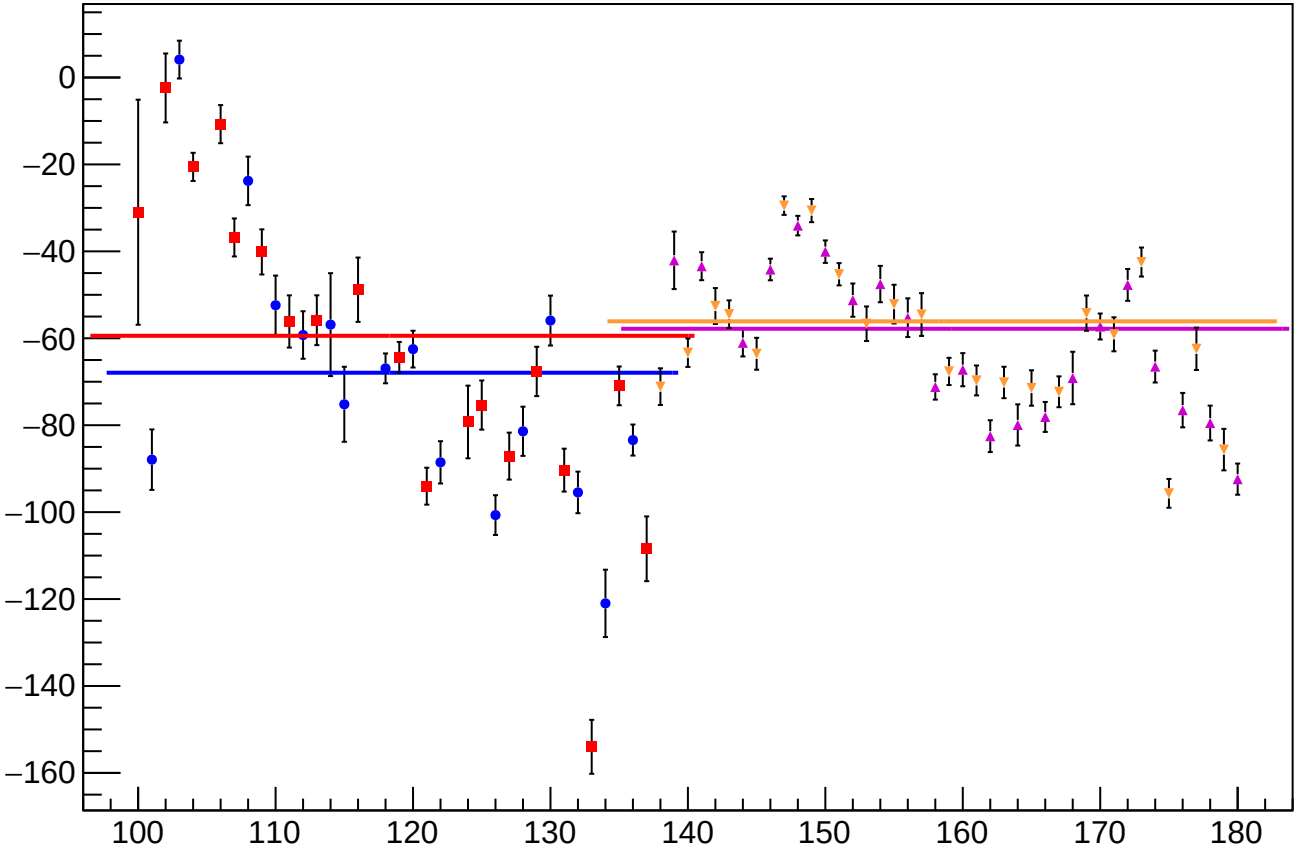
Left In: -203.096+/-0.889 χ^2/NDF:1179.1/20

+ sign -213.253+/-0.711 χ^2/NDF: 5803.3/37

All: -207.833+/-0.494 χ^2/NDF: 13786.2/77

- 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: -56.099+/-0.736 χ^2/NDF:568.4/21

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

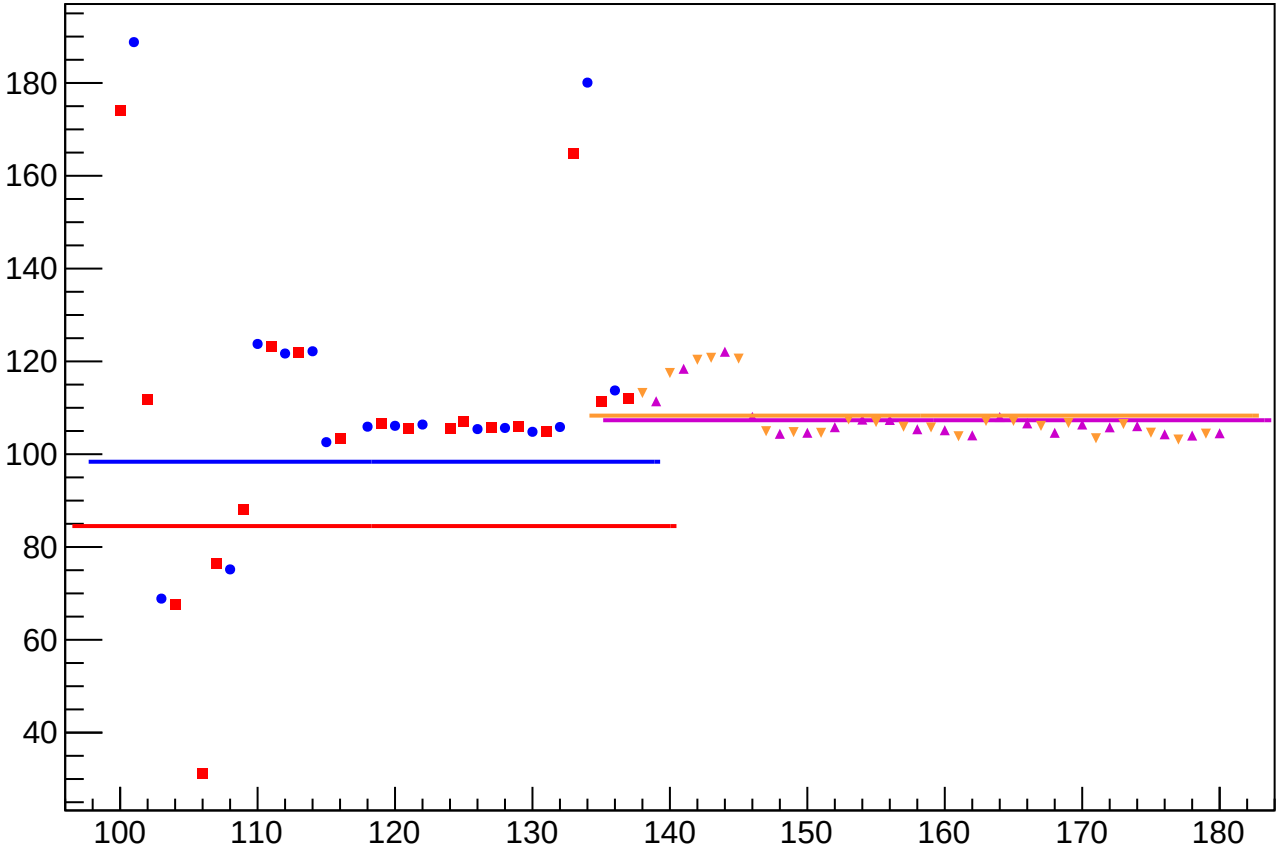
Left In: -57.811+/-0.748 χ^2/NDF:515.4/20

+ sign -59.046+/-0.638 χ^2/NDF: 1166.8/37

All: -58.656+/-0.449 χ^2/NDF: 2479.1/77

- 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: 108.316+/-0.035 χ^2/NDF:26060.4/21

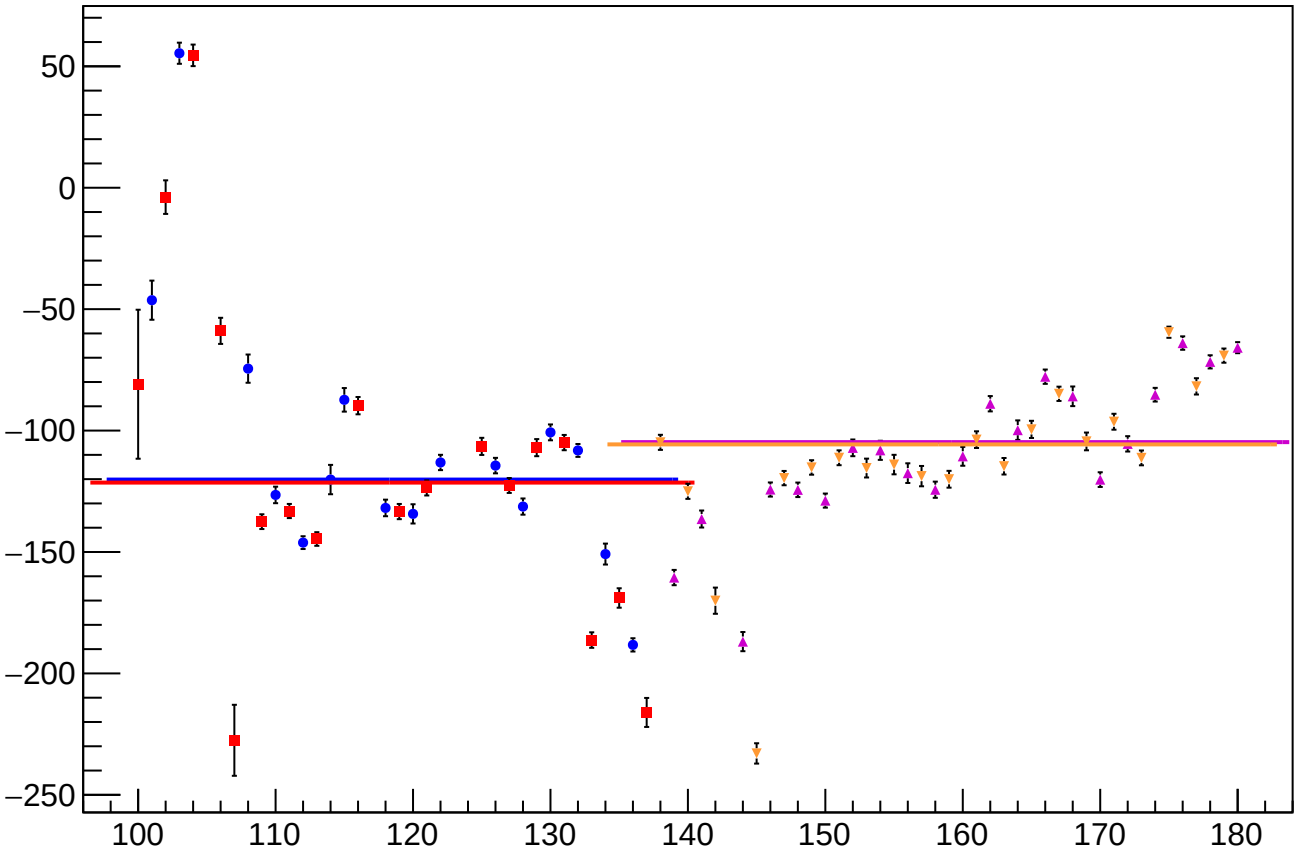
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.319+/-0.034 χ^2/NDF:16773.6/20

+ sign 106.167+/-0.031 χ^2/NDF: 272231.7/37

All: 103.917+/-0.021 χ^2/NDF: 675563.9/77

- 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: -105.688+/-0.718 χ^2/NDF:1858.5/20

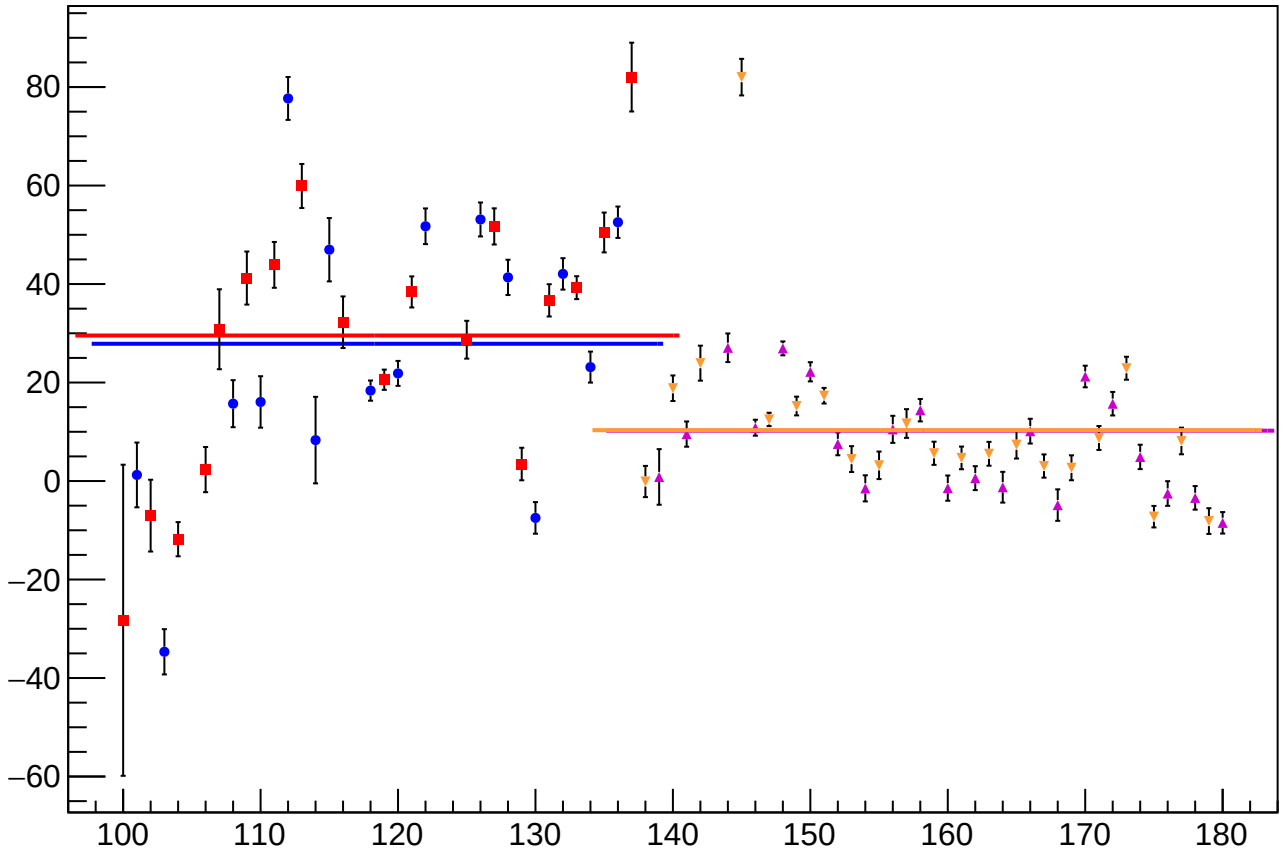
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -104.755+/-0.691 χ^2/NDF:1896.9/20

+ sign -111.399+/-0.559 χ^2/NDF: 4710.1/36

All: -111.271+/-0.389 χ^2/NDF: 9956.7/75

- sign -111.151+/-0.542 χ^2/NDF: 5246.6/38



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 10.328+/-0.509 χ^2/NDF:627.4/20

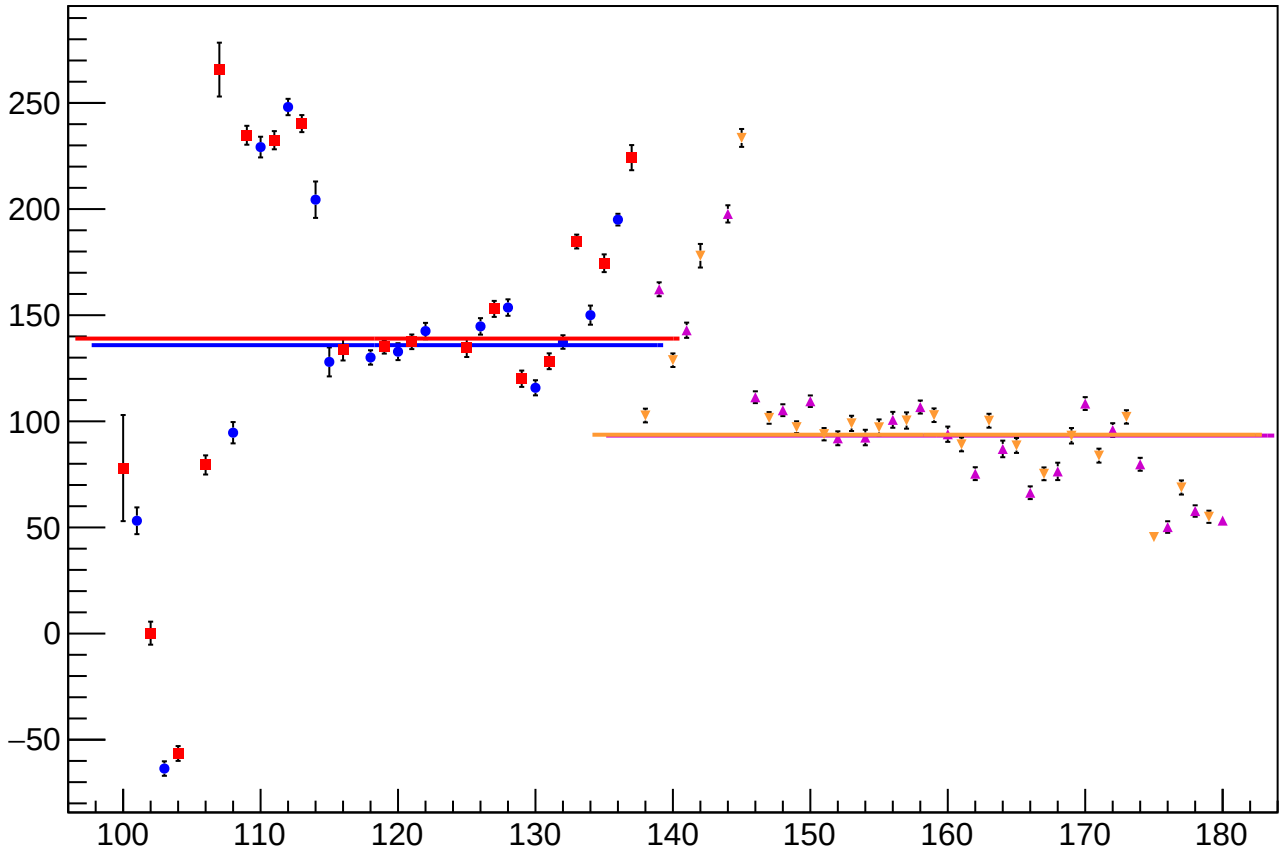
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 10.224+/-0.508 χ^2/NDF:478.3/20

+ sign 14.668+/-0.442 χ^2/NDF: 1620.7/36

All: 14.822+/-0.312 χ^2/NDF: 2952.6/75

- sign 14.976+/-0.441 χ^2/NDF: 1331.7/38



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 93.691+/-0.704 χ^2/NDF:2218.0/20

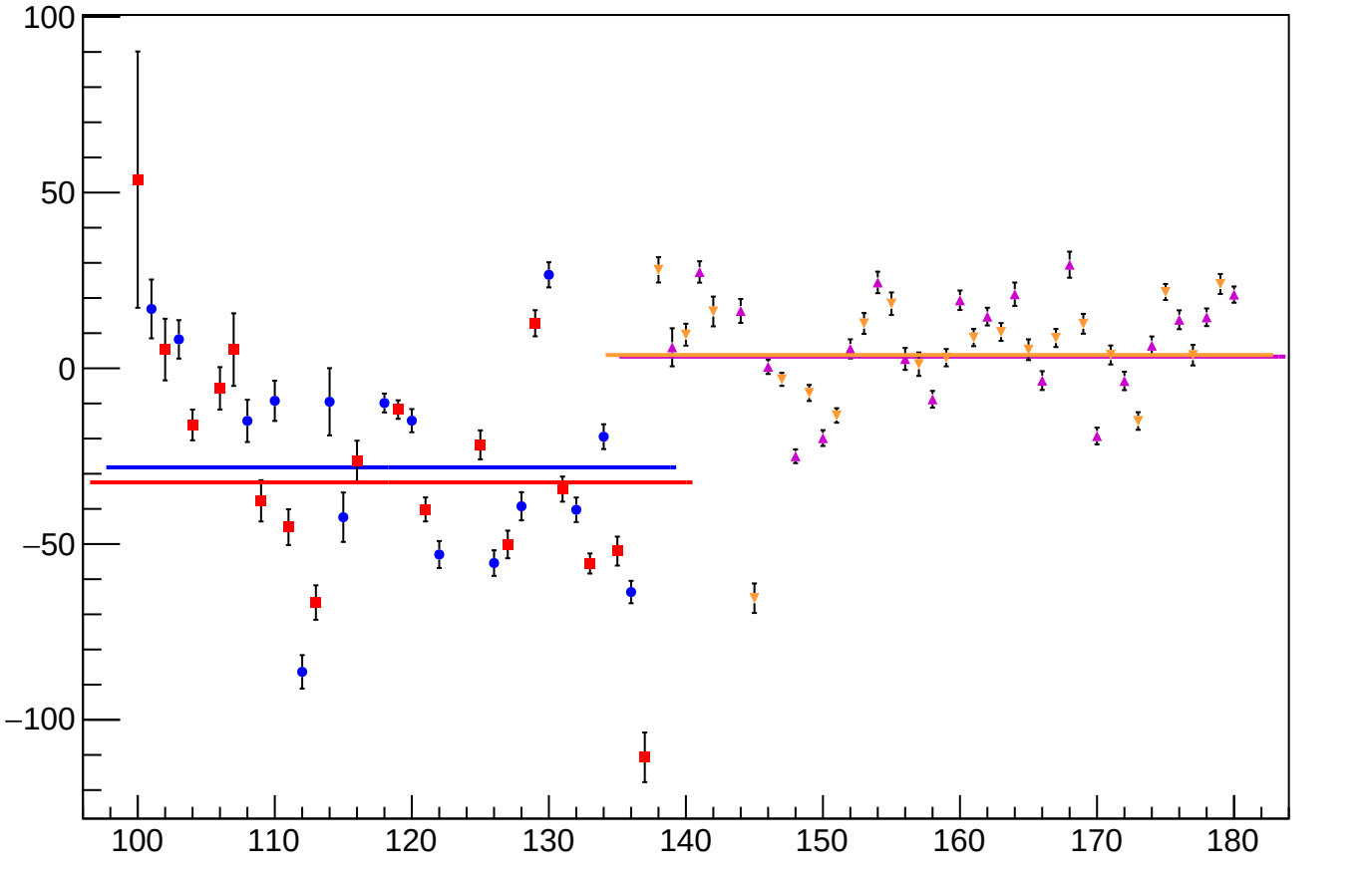
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 93.282+/-0.679 χ^2/NDF:2328.4/20

\+ sign 107.693+/-0.575 χ^2/NDF: 8874.6/36

All: 107.712+/-0.402 χ^2/NDF: 18792.8/75

\- sign 107.729+/-0.561 χ^2/NDF: 9918.2/38



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 3.780+/-0.586 χ^2/NDF:657.4/20

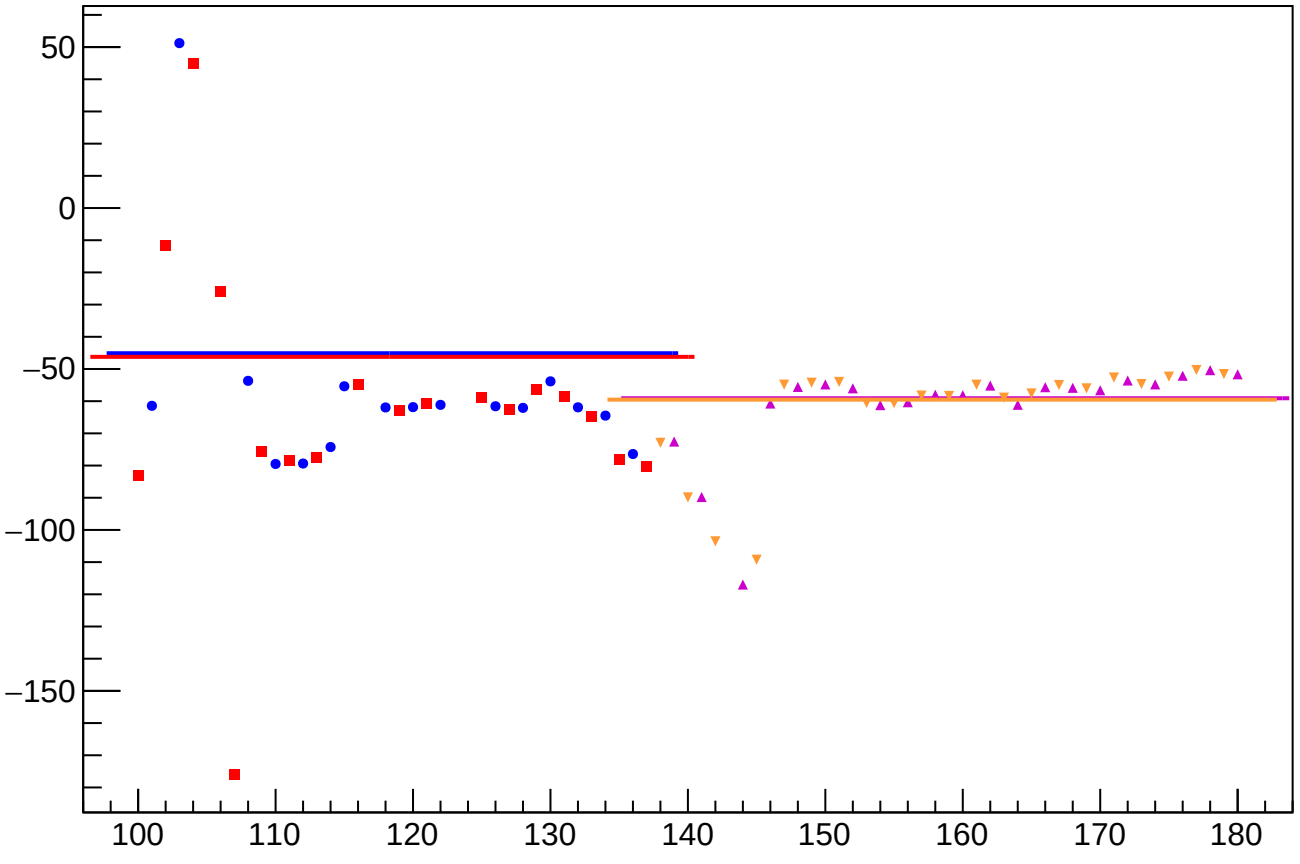
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 3.318+/-0.579 χ^2/NDF:799.2/20

+ sign -4.117+/-0.508 χ^2/NDF: 2184.3/36

All: -4.714+/-0.358 χ^2/NDF: 4487.6/75

- 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: -59.523+/-0.027 χ^2/NDF:213149.1/20

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

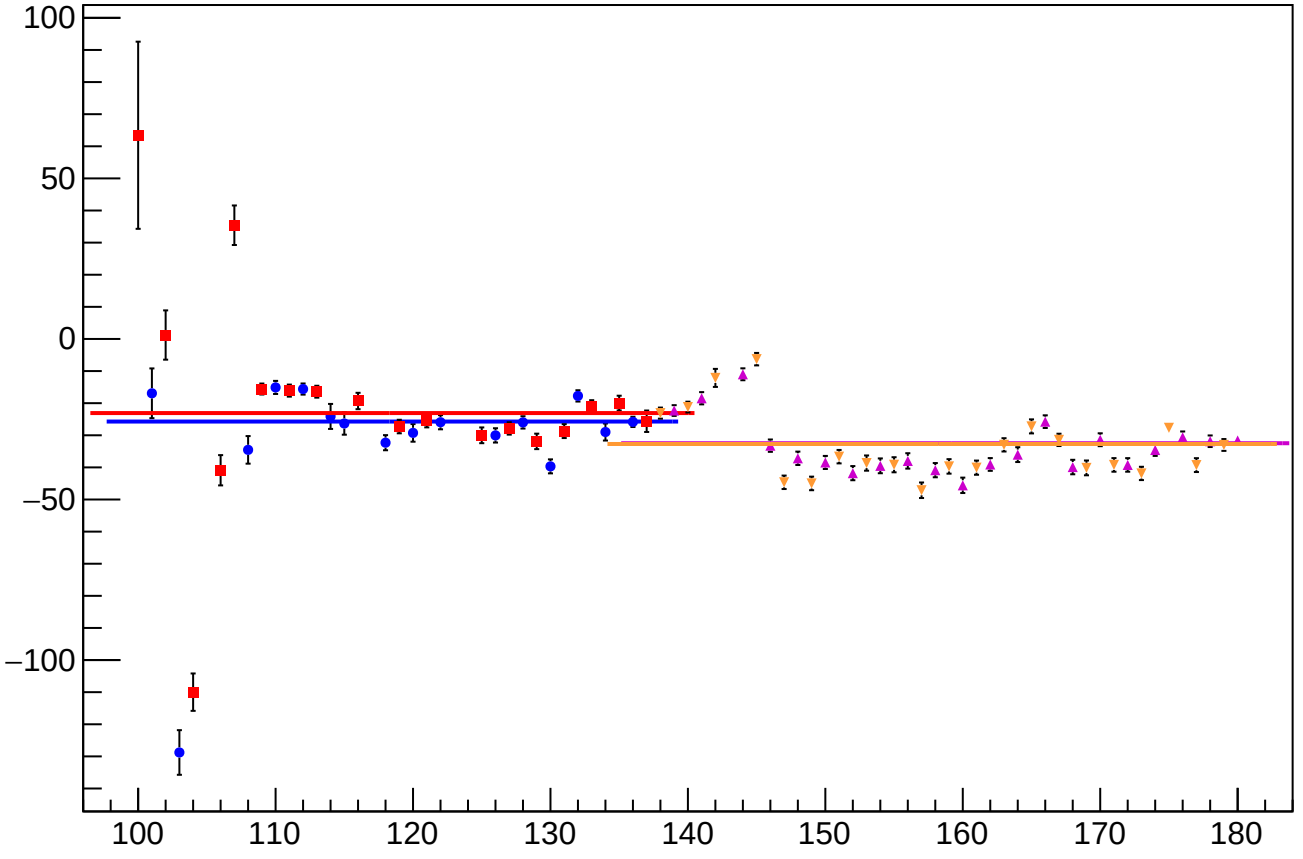
Left In: -59.094+/-0.026 χ^2/NDF:182467.7/20

+ sign -57.120+/-0.025 χ^2/NDF: 836232.8/36

All: -57.157+/-0.017 χ^2/NDF: 1548329.9/75

- sign -57.193+/-0.024 χ^2/NDF: 712092.6/38

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.710+/-0.448 χ^2/NDF:522.5/20

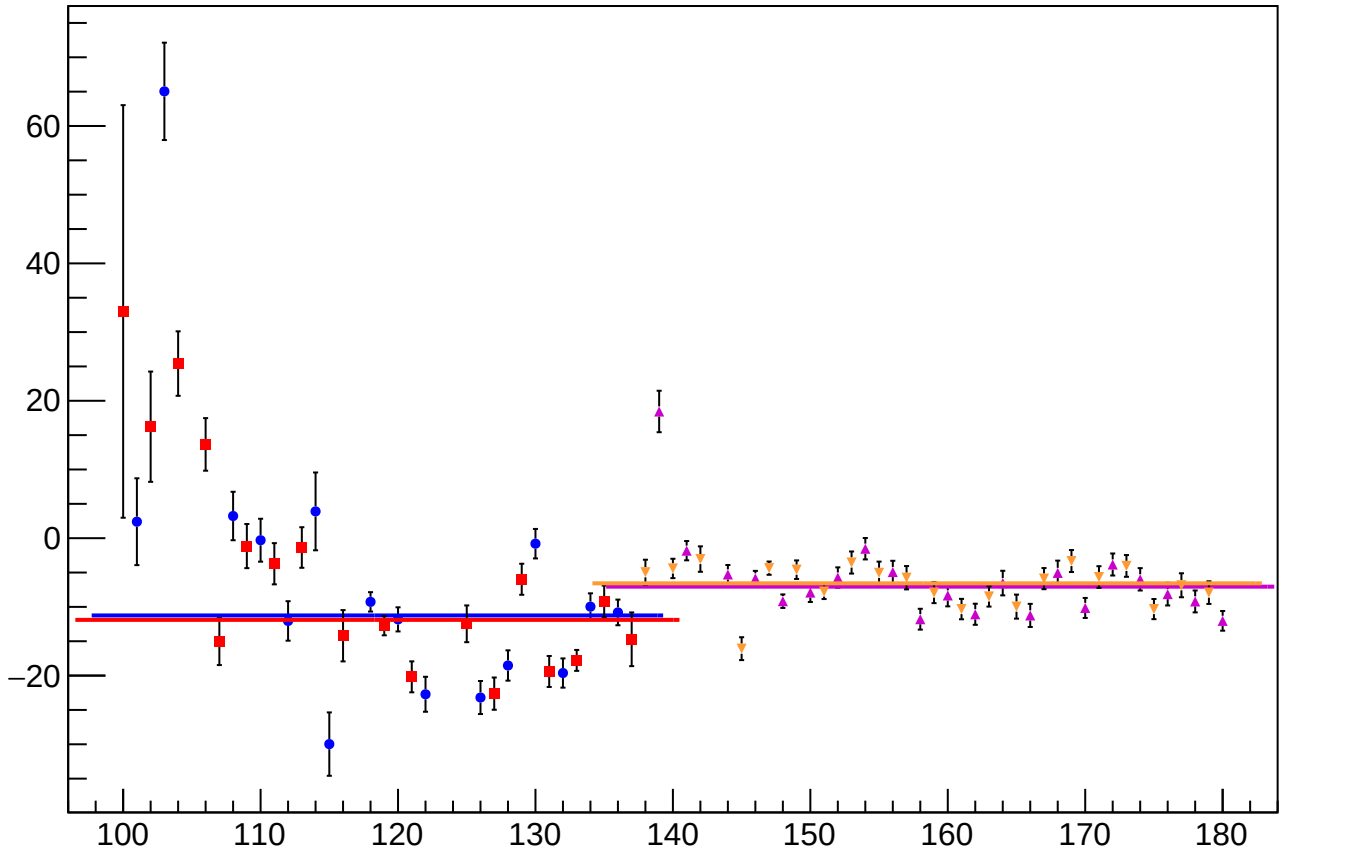
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.473+/-0.433 χ^2/NDF:364.3/20

+ sign -30.154+/-0.357 χ^2/NDF: 974.4/36

All: -29.625+/-0.249 χ^2/NDF: 1947.8/75

- sign -29.123+/-0.347 χ^2/NDF: 969.1/38



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.571+/-0.325 χ^2/NDF:79.7/20

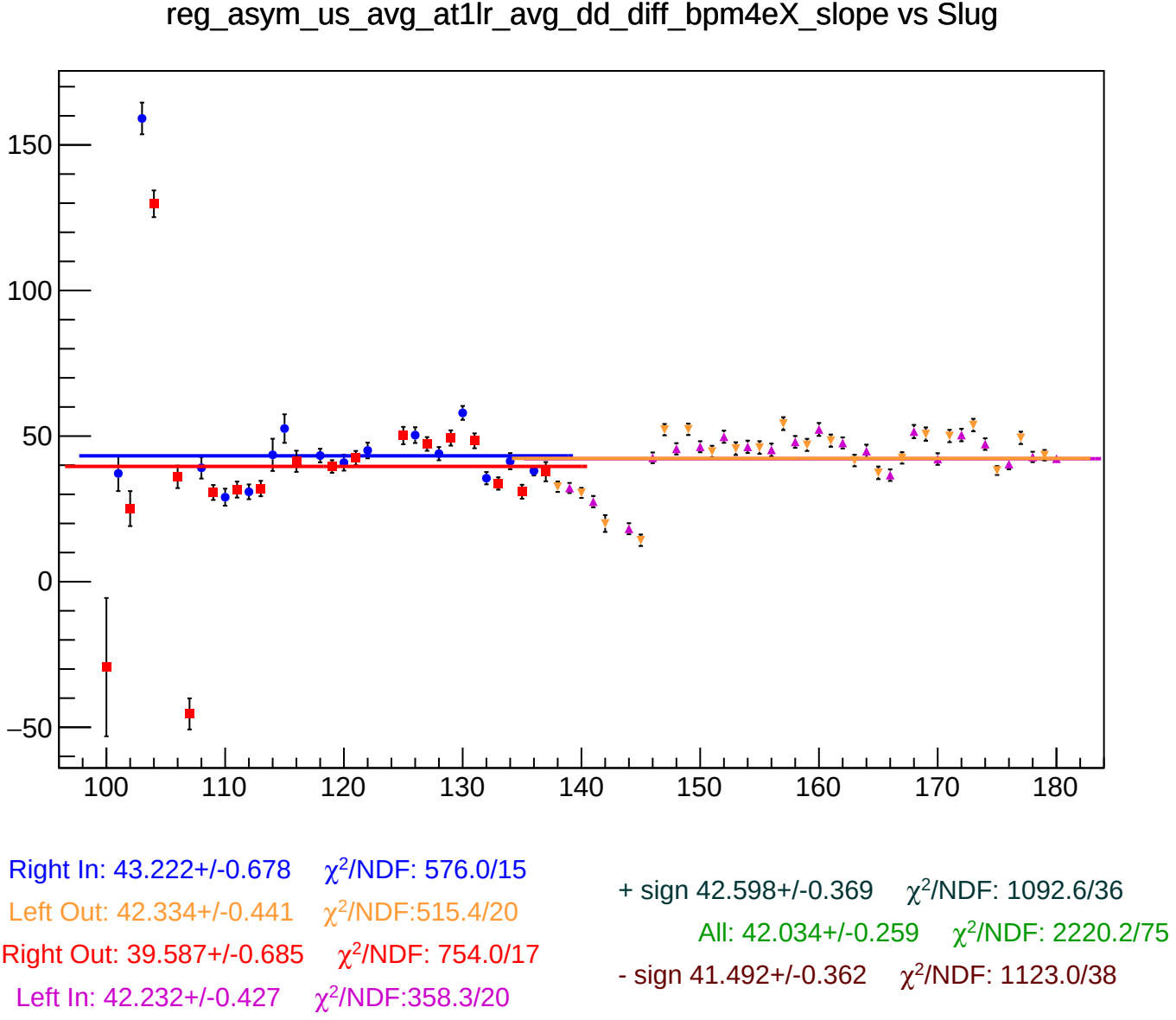
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

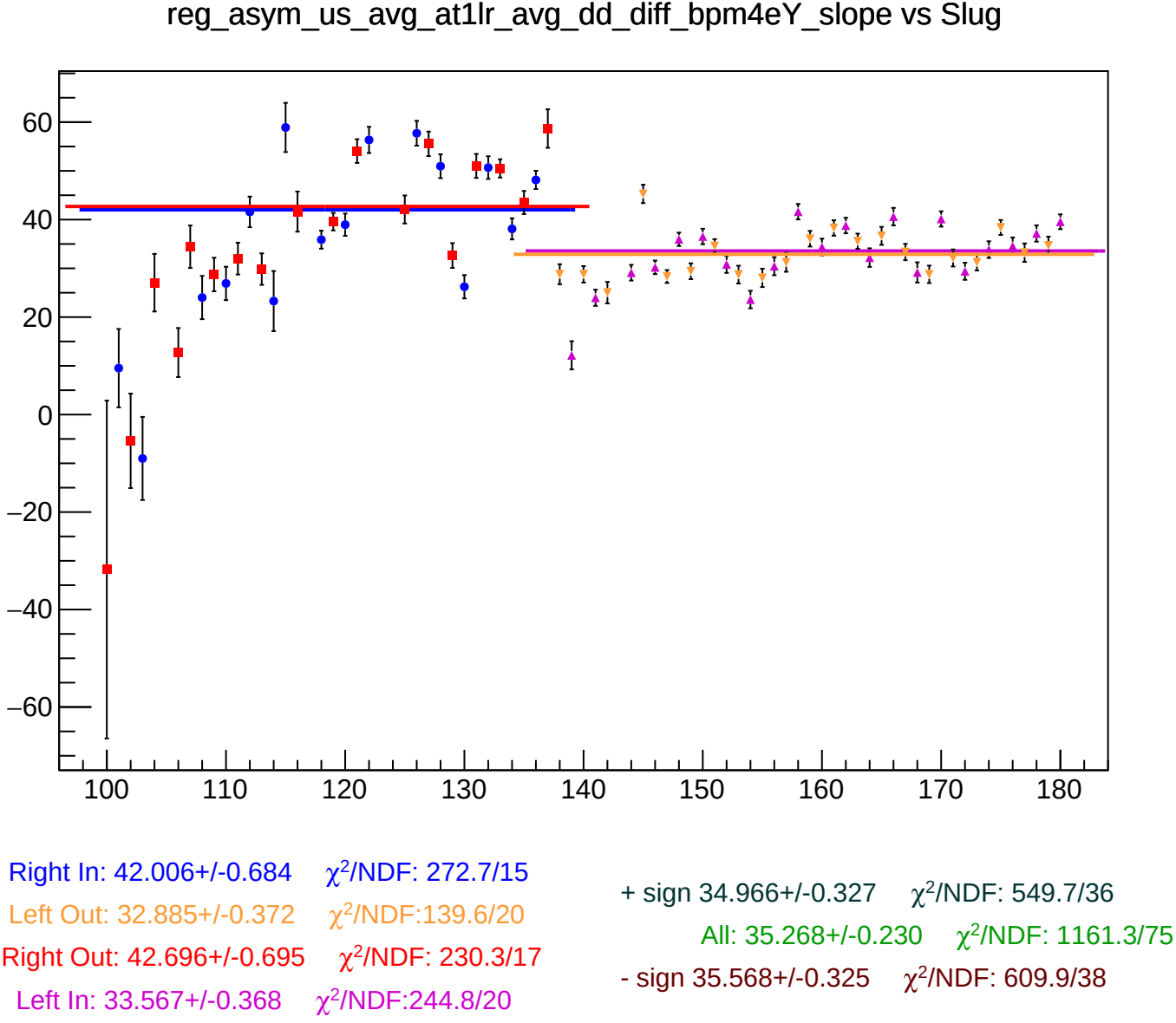
Left In: -7.055+/-0.324 χ^2/NDF:156.3/20

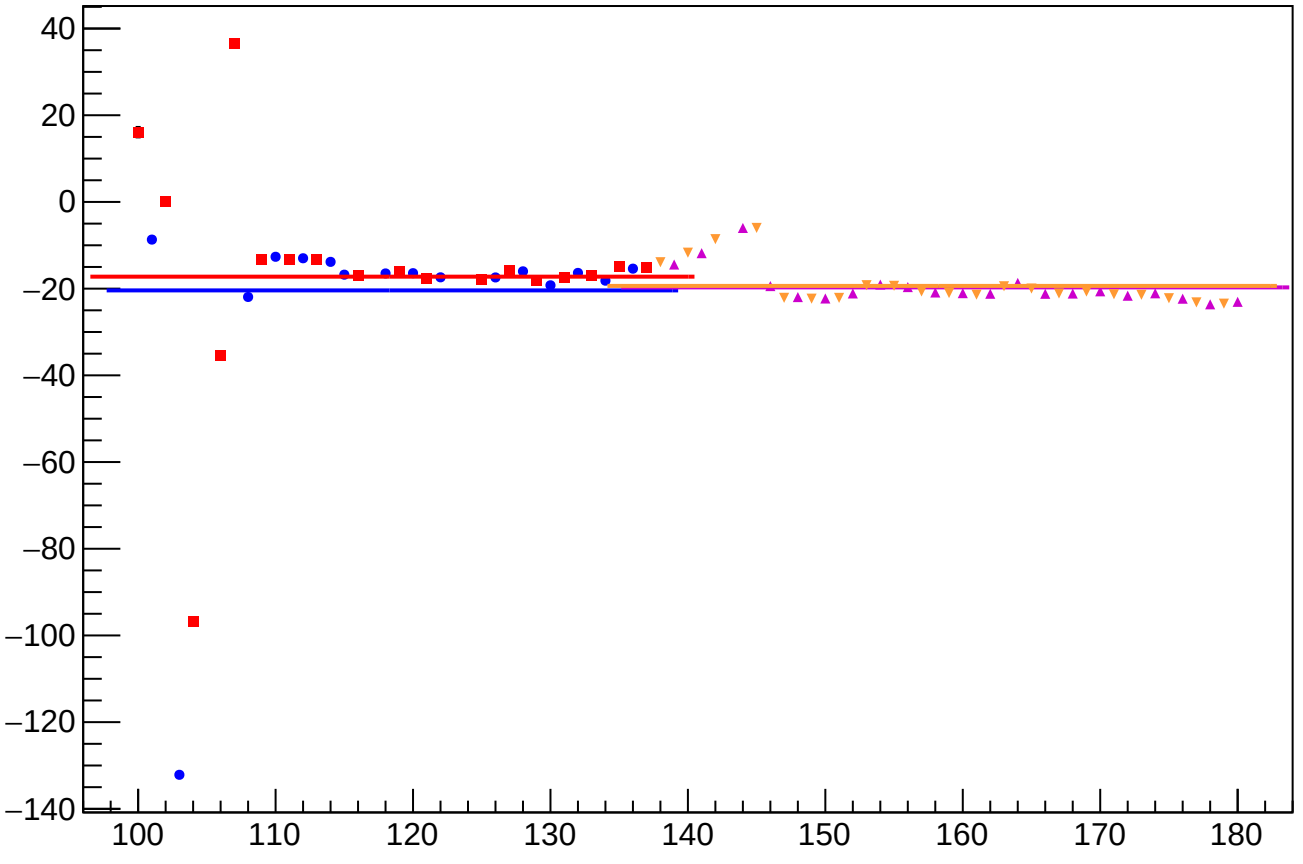
+ sign -7.632+/-0.286 χ^2/NDF: 397.7/36

All: -7.880+/-0.202 χ^2/NDF: 829.3/75

- sign -8.129+/-0.286 χ^2/NDF: 430.1/38


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: 43.222+/-0.678 χ²/NDF: 576.0/15
Left Out: 42.334+/-0.441 χ²/NDF:515.4/20
Right Out: 39.587+/-0.685 χ²/NDF: 754.0/17
Left In: 42.232+/-0.427 χ²/NDF:358.3/20
+ sign 42.598+/-0.369 χ²/NDF: 1092.6/36
All: 42.034+/-0.259 χ²/NDF: 2220.2/75
- sign 41.492+/-0.362 χ²/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: 32.885+/-0.372 χ²/NDF:139.6/20
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 33.567+/-0.368 χ²/NDF:244.8/20
+ sign 34.966+/-0.327 χ²/NDF: 549.7/36
All: 35.268+/-0.230 χ²/NDF: 1161.3/75
- sign 35.568+/-0.325 χ²/NDF: 609.9/38



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -19.370+/-0.017 χ^2/NDF:67632.1/20

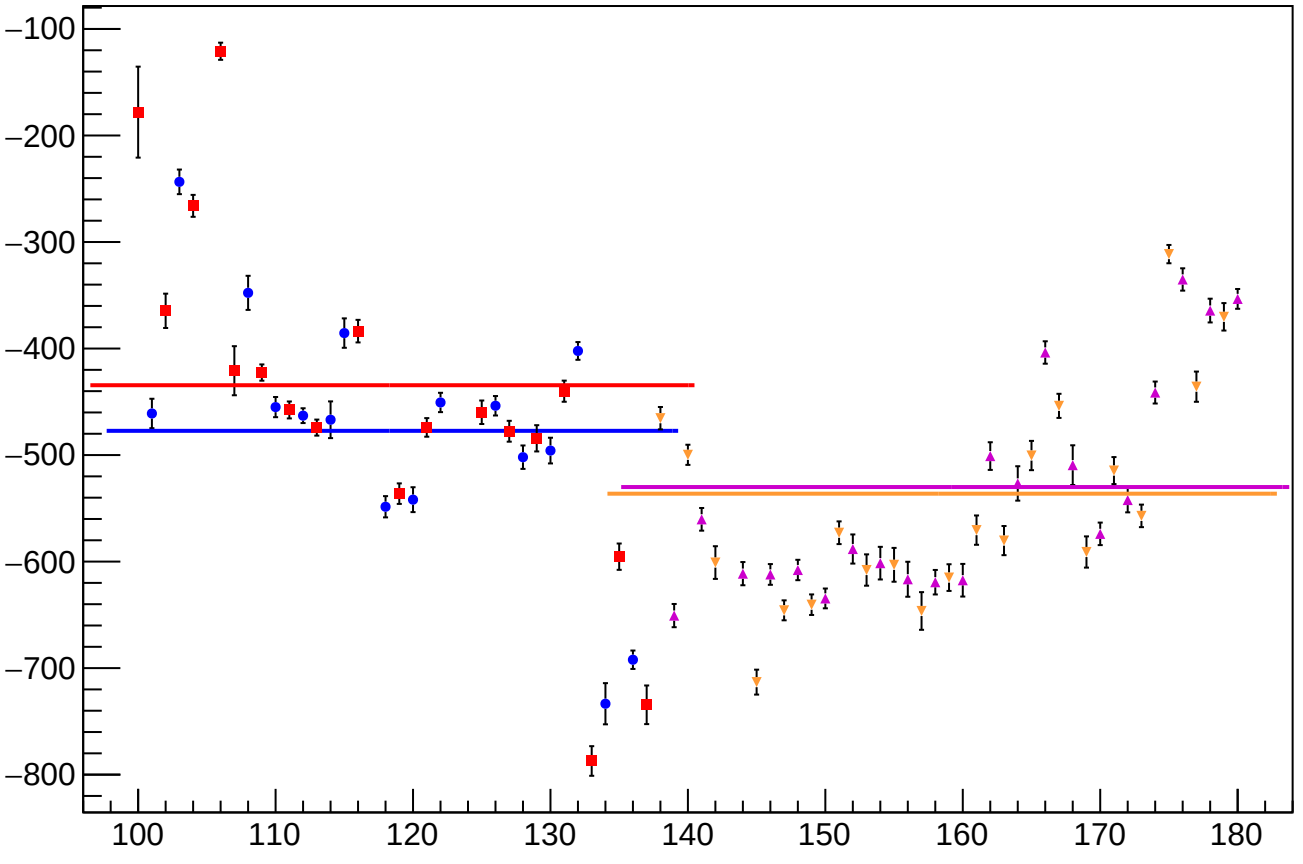
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.712+/-0.016 χ^2/NDF:53995.9/20

+ sign -19.513+/-0.016 χ^2/NDF: 313770.1/36

All: -19.463+/-0.011 χ^2/NDF: 575217.9/75

- sign -19.414+/-0.015 χ^2/NDF: 261427.5/38



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -536.258+/-2.591 χ^2/NDF:1689.4/20

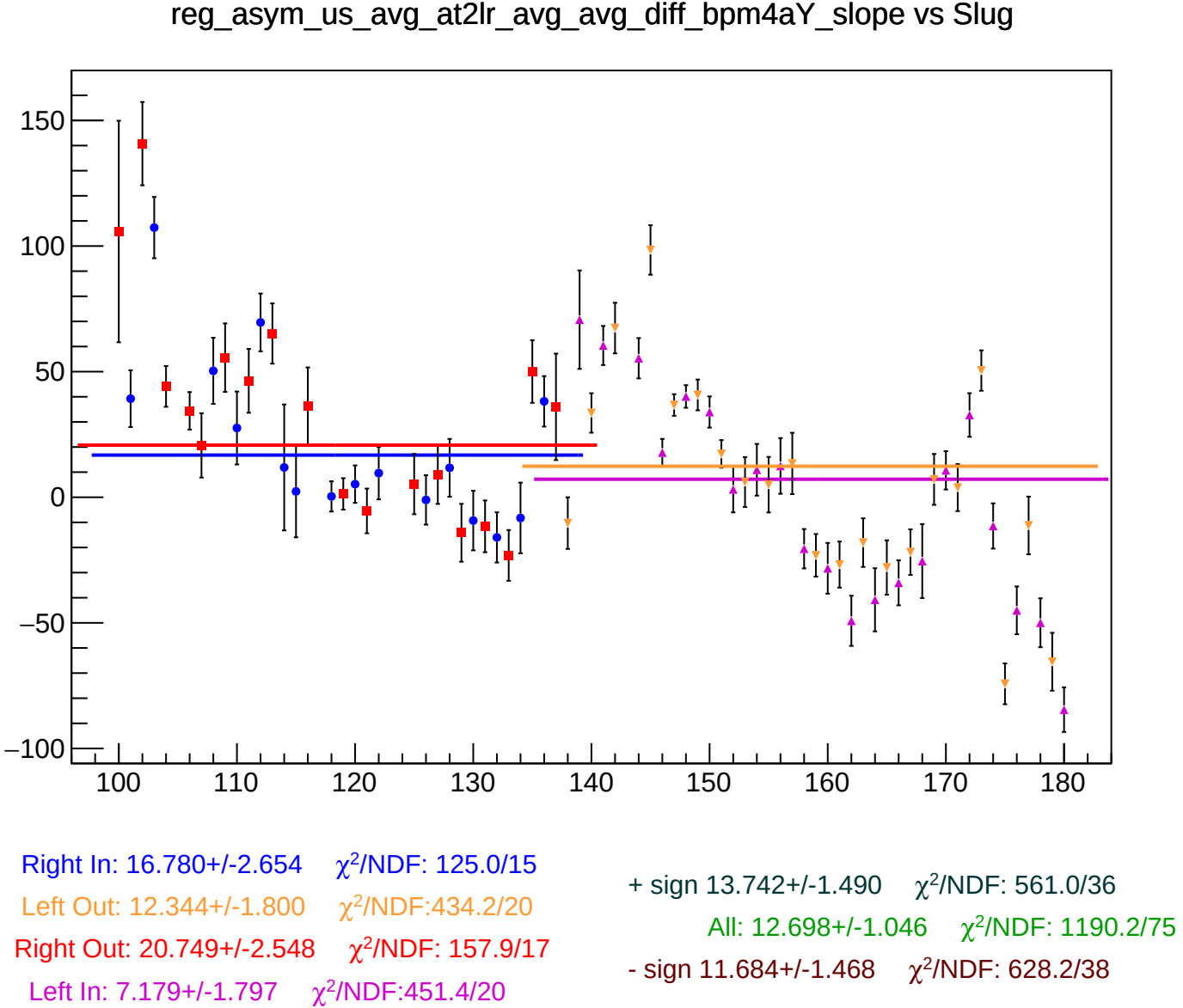
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -530.010+/-2.499 χ^2/NDF:1780.5/20

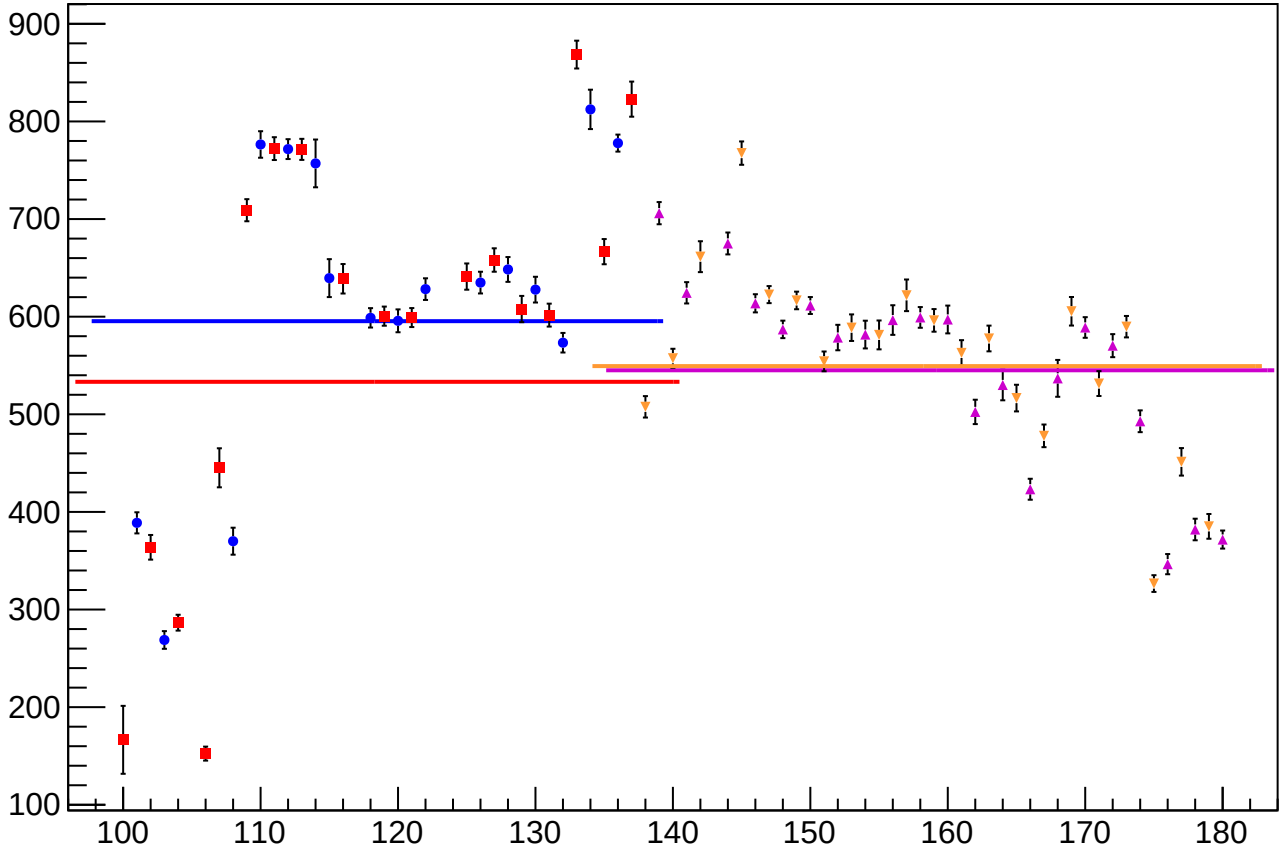
\+ sign -507.231+/-1.847 χ^2/NDF: 3455.3/36

All: -493.727+/-1.272 χ^2/NDF: 9240.9/75

\- sign -481.539+/-1.755 χ^2/NDF: 5683.9/38


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: 16.780+/-2.654 χ²/NDF: 125.0/15
Left Out: 12.344+/-1.800 χ²/NDF:434.2/20
Right Out: 20.749+/-2.548 χ²/NDF: 157.9/17
Left In: 7.179+/-1.797 χ²/NDF:451.4/20
+ sign 13.742+/-1.490 χ²/NDF: 561.0/36
All: 12.698+/-1.046 χ²/NDF: 1190.2/75
- sign 11.684+/-1.468 χ²/NDF: 628.2/38

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 549.376+/-2.543 χ^2/NDF:1545.4/20

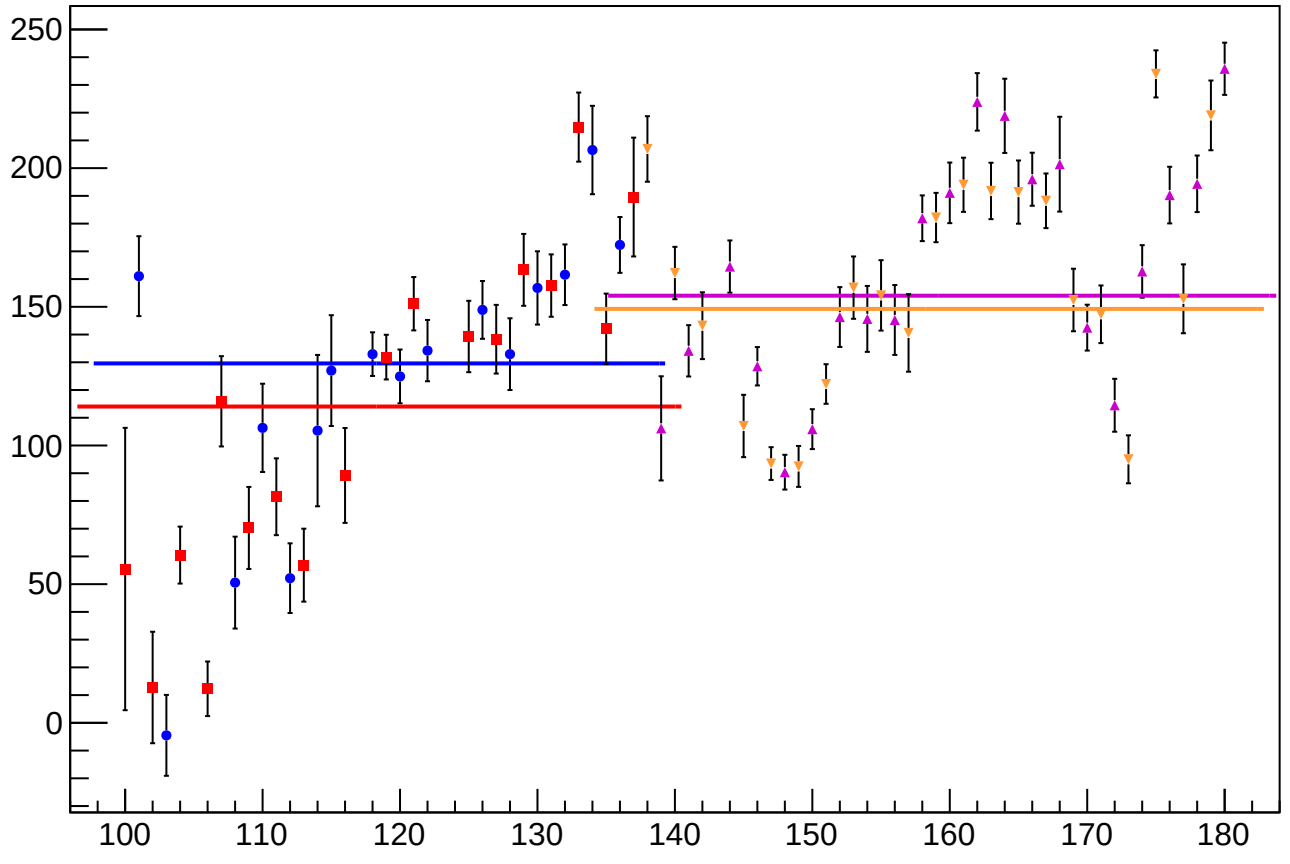
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 545.092+/-2.456 χ^2/NDF:1709.8/20

+ sign 569.152+/-1.920 χ^2/NDF: 4745.9/36

All: 553.799+/-1.325 χ^2/NDF: 13090.9/75

- 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: 149.254+/-2.098 χ^2/NDF:455.5/20

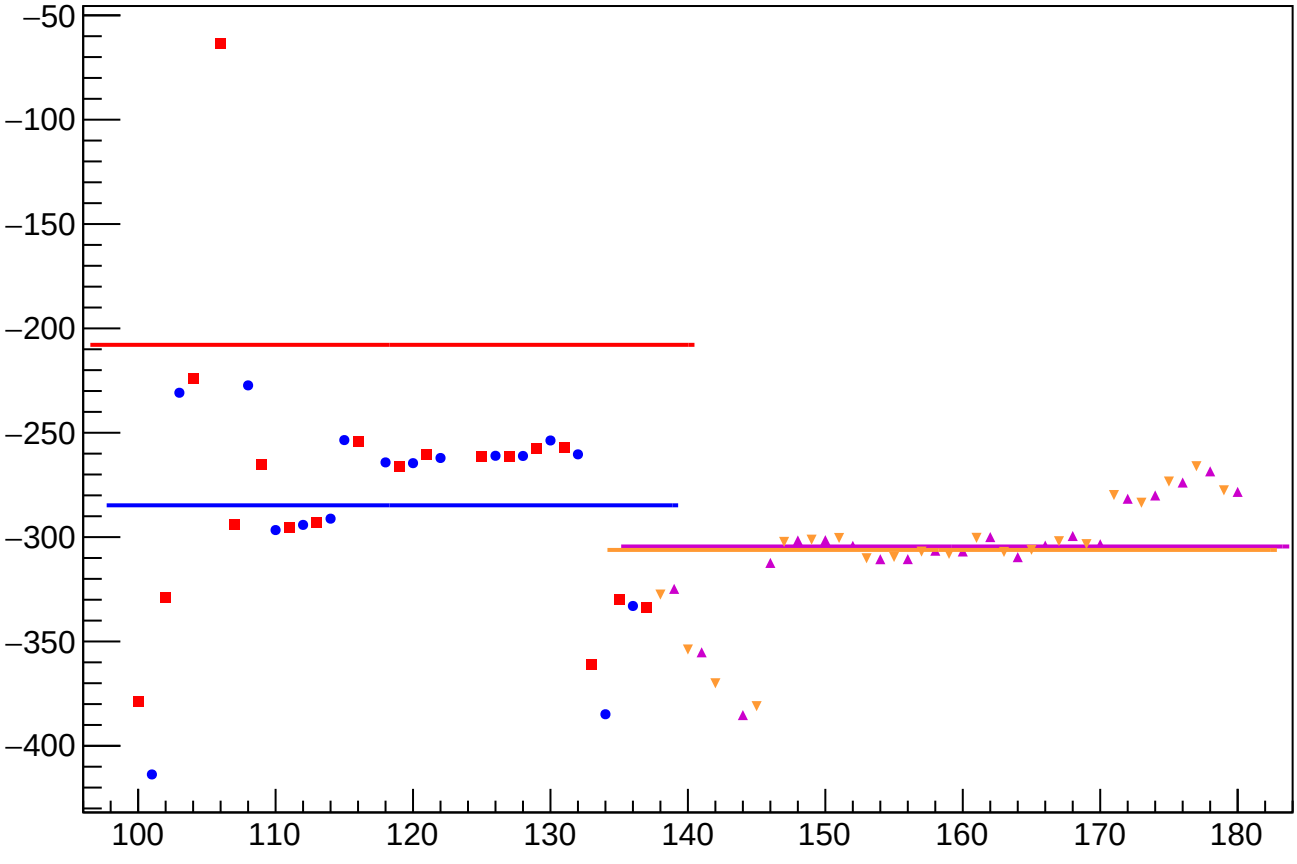
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 154.007+/-2.072 χ^2/NDF:417.9/20

+ sign 143.021+/-1.734 χ^2/NDF: 694.5/36

All: 141.973+/-1.214 χ^2/NDF: 1570.5/75

- 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: -306.137+/-0.099 χ^2/NDF:72457.1/20

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

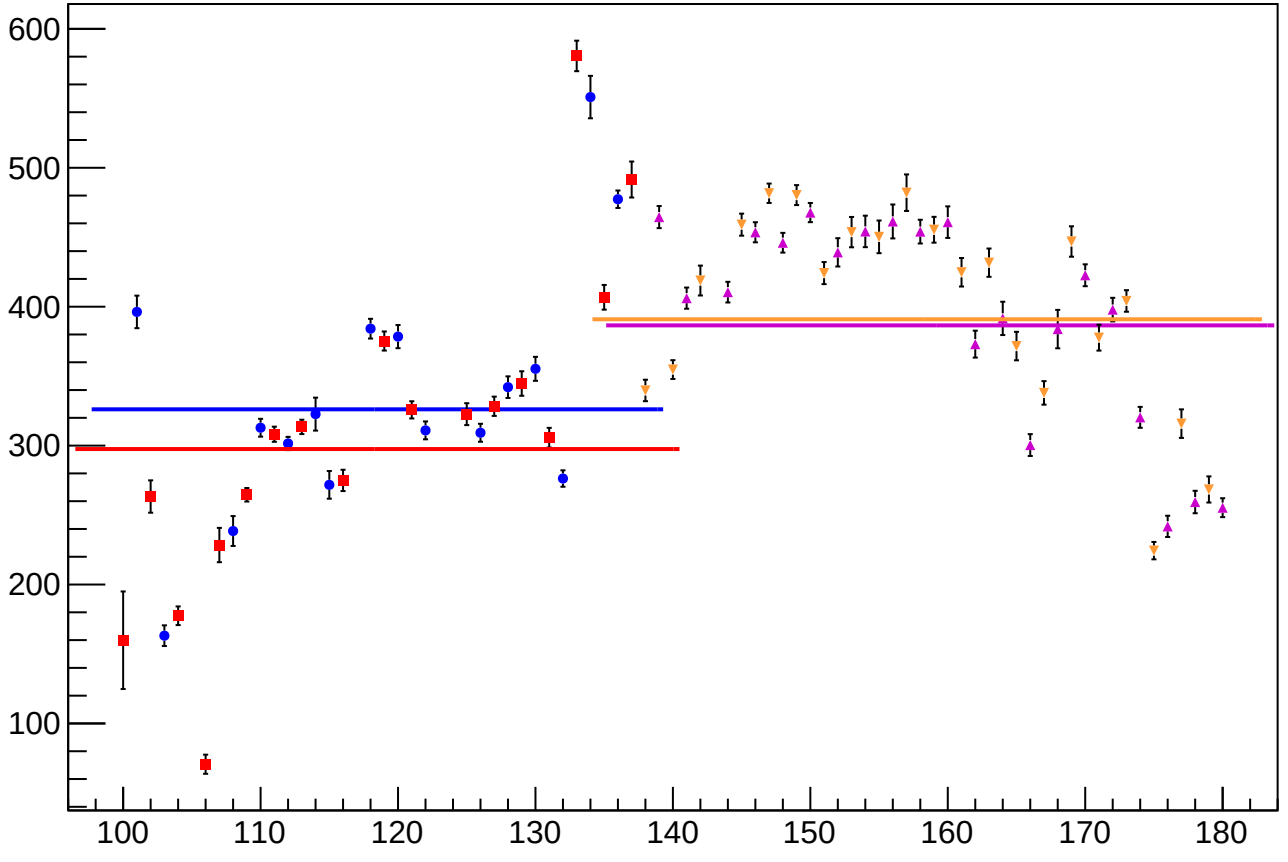
Left In: -304.485+/-0.095 χ^2/NDF:63149.2/20

+ sign -301.105+/-0.086 χ^2/NDF: 187904.9/36

All: -287.926+/-0.059 χ^2/NDF: 1130853.1/75

- 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: 390.946+/-1.899 χ^2/NDF:1681.0/20

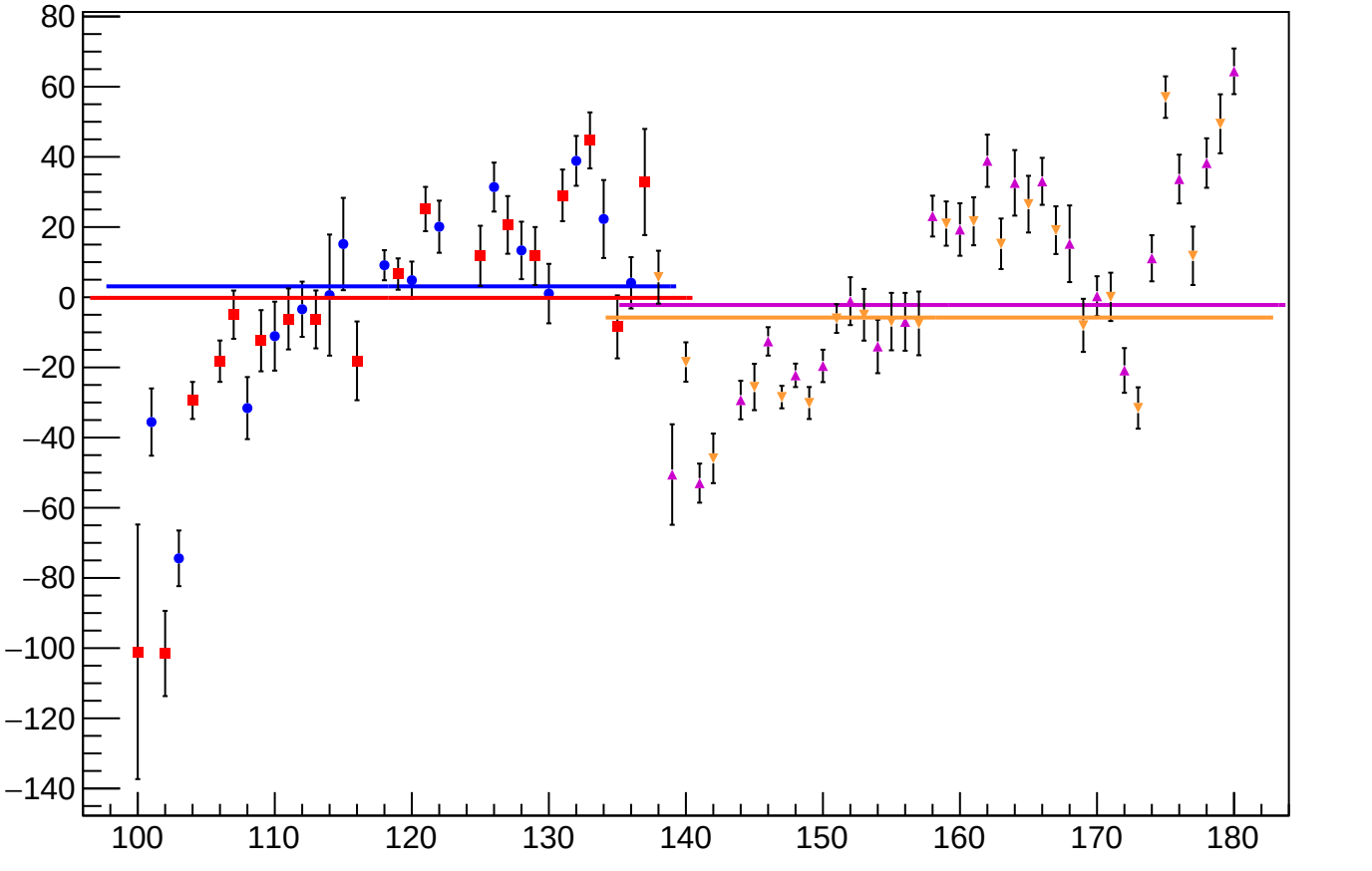
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 386.560+/-1.834 χ^2/NDF:1812.0/20

+ sign 357.811+/-1.328 χ^2/NDF: 3919.5/36

All: 348.215+/-0.914 χ^2/NDF: 9849.7/75

- 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: -5.791+/-1.324 χ^2/NDF:379.7/20

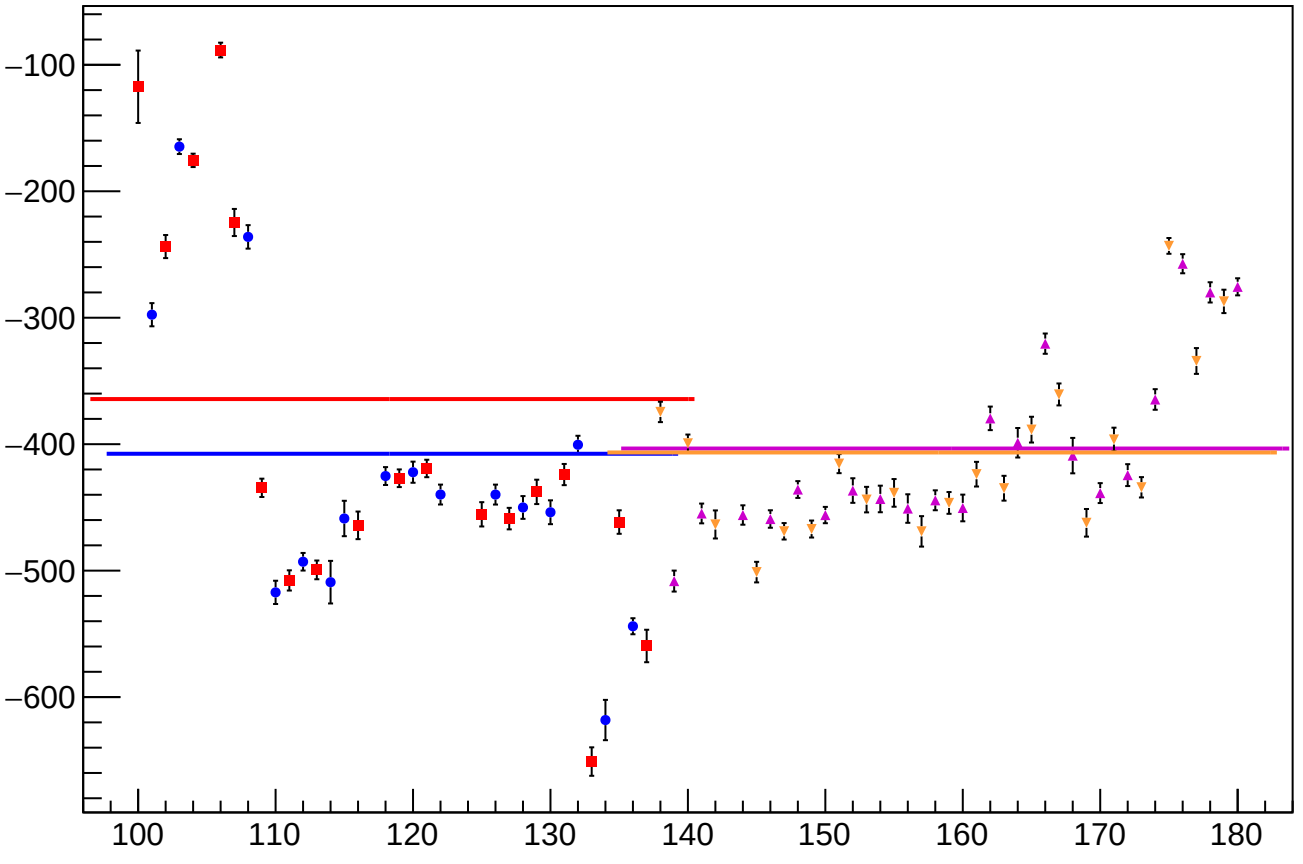
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -2.212+/-1.322 χ^2/NDF:457.6/20

+ sign -2.867+/-1.085 χ^2/NDF: 579.0/36

All: -2.168+/-0.760 χ^2/NDF: 1243.5/75

- 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: -406.555+/-1.866 χ^2/NDF:1407.4/20

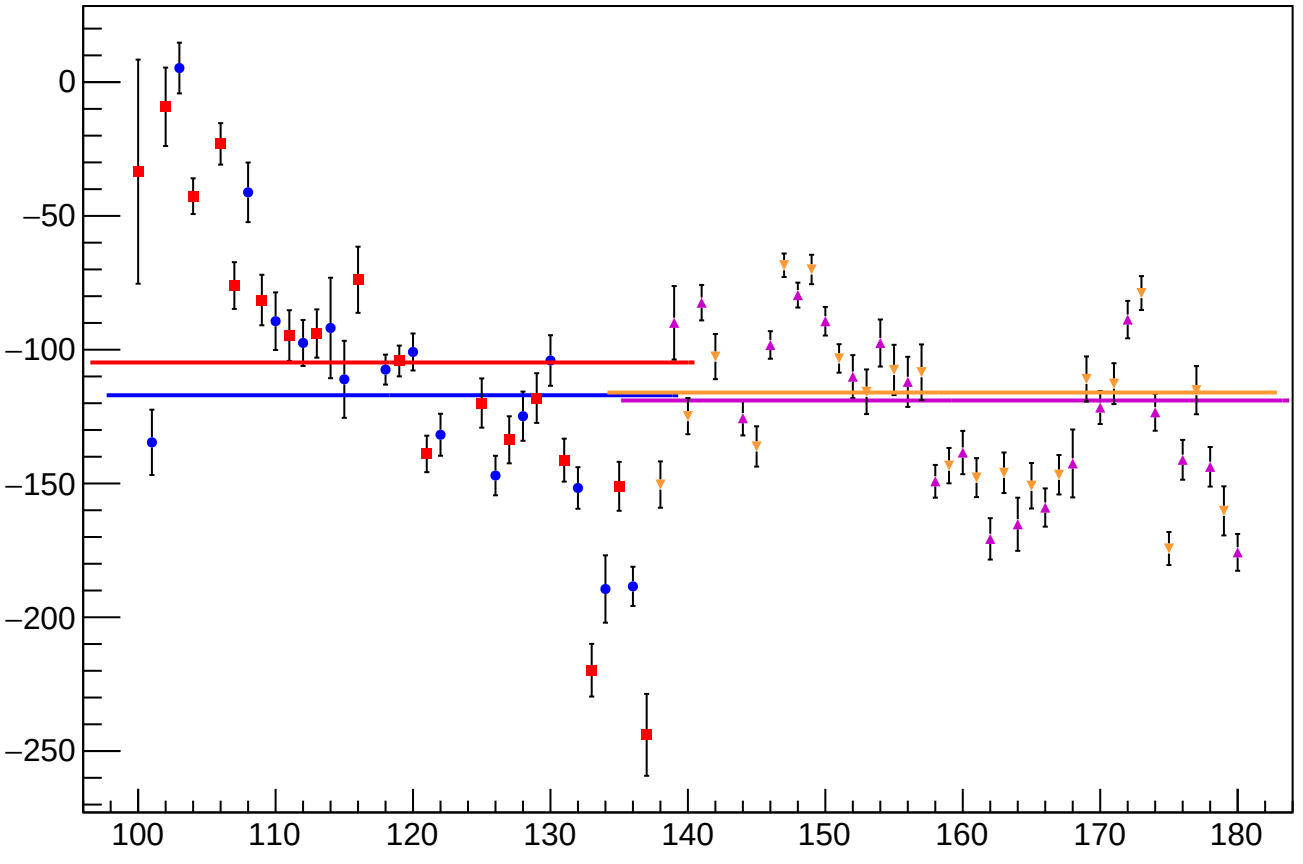
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -403.441+/-1.804 χ^2/NDF:1628.1/20

+ sign -407.011+/-1.387 χ^2/NDF: 4688.1/36

All: -395.646+/-0.957 χ^2/NDF: 12882.4/75

- 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: -116.001+/-1.543 χ^2/NDF:454.6/20

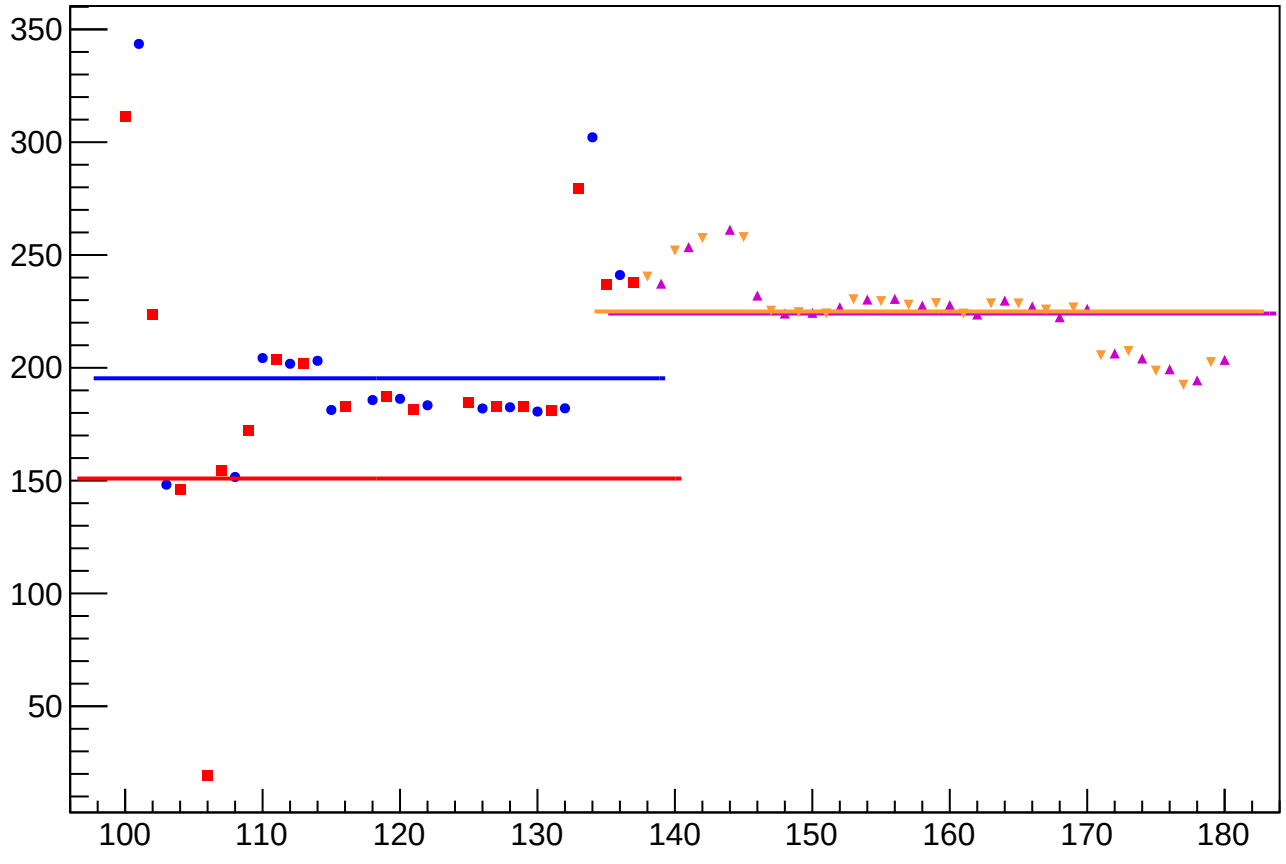
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -118.985+/-1.524 χ^2/NDF:400.9/20

+ sign -116.338+/-1.262 χ^2/NDF: 862.5/36

All: -115.169+/-0.881 χ^2/NDF: 1870.4/75

- 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: 224.970+/-0.072 χ^2/NDF:52543.2/20

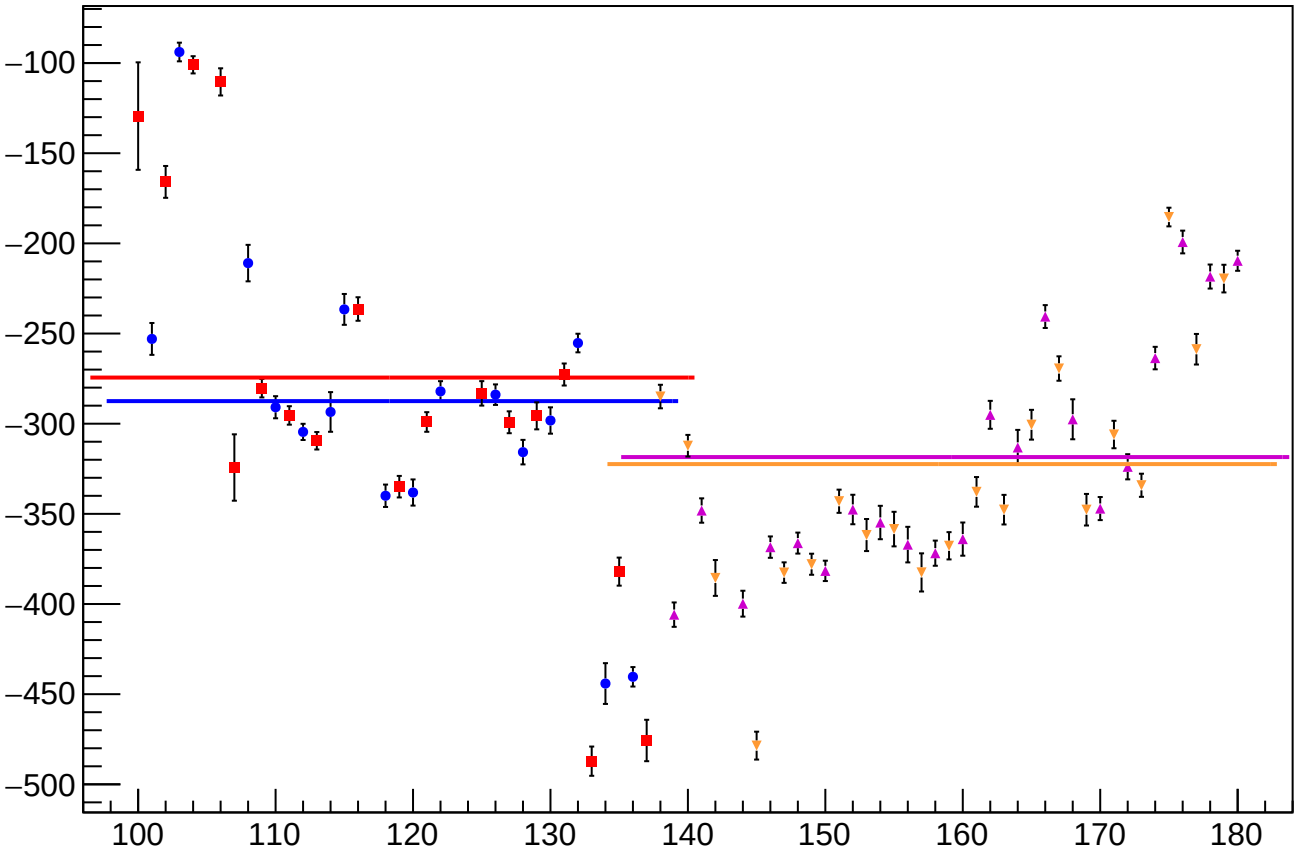
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 224.057+/-0.070 χ^2/NDF:49497.9/20

+ sign 217.496+/-0.063 χ^2/NDF: 271747.1/36

All: 209.867+/-0.043 χ^2/NDF: 1162784.7/75

- 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: -322.407+/-1.579 χ^2/NDF:1832.2/20

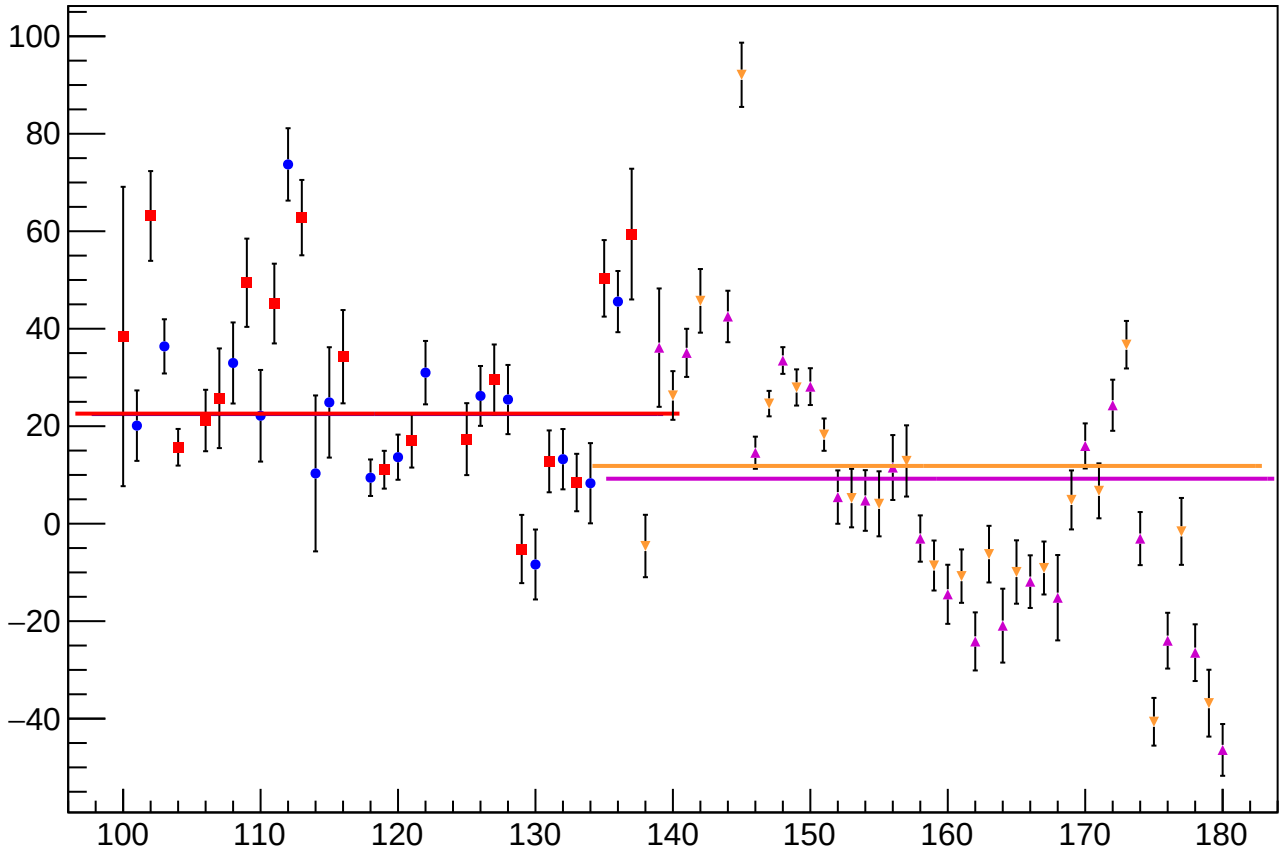
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -318.508+/-1.520 χ^2/NDF:1942.2/20

\+ sign -305.298+/-1.128 χ^2/NDF: 4768.5/36

All: -300.946+/-0.782 χ^2/NDF: 10565.0/75

\- 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: 11.850+/-1.095 χ^2/NDF:505.2/20

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

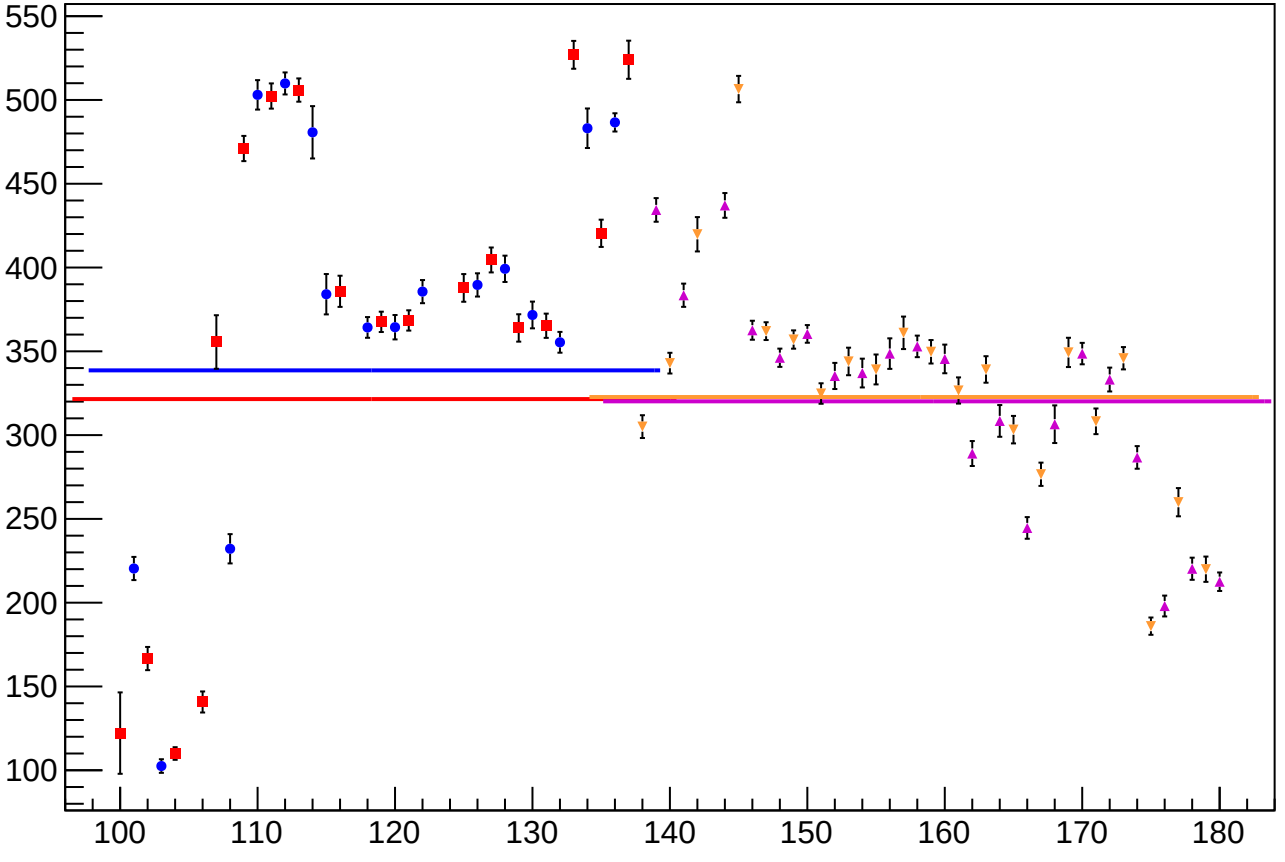
Left In: 9.227+/-1.093 χ^2/NDF:467.8/20

+ sign 15.187+/-0.907 χ^2/NDF: 646.2/36

All: 14.376+/-0.638 χ^2/NDF: 1287.7/75

- 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: 322.721+/-1.547 χ^2/NDF:1809.0/20

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

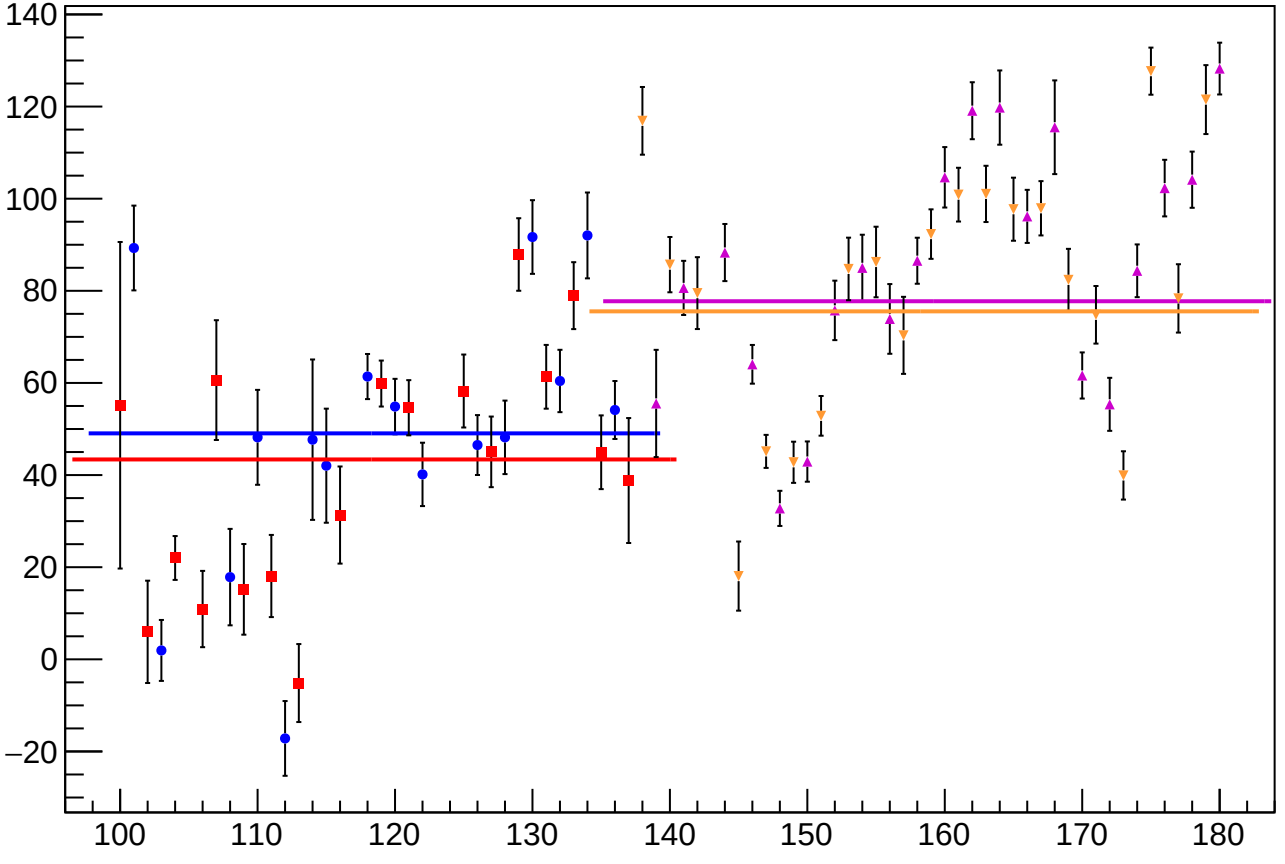
Left In: 320.151+/-1.493 χ^2/NDF:1984.2/20

+ sign 329.711+/-1.159 χ^2/NDF: 7898.1/36

All: 325.074+/-0.805 χ^2/NDF: 17634.4/75

- sign 320.741+/-1.120 χ^2/NDF: 9705.4/38

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 75.541+/-1.276 χ^2/NDF:511.0/20

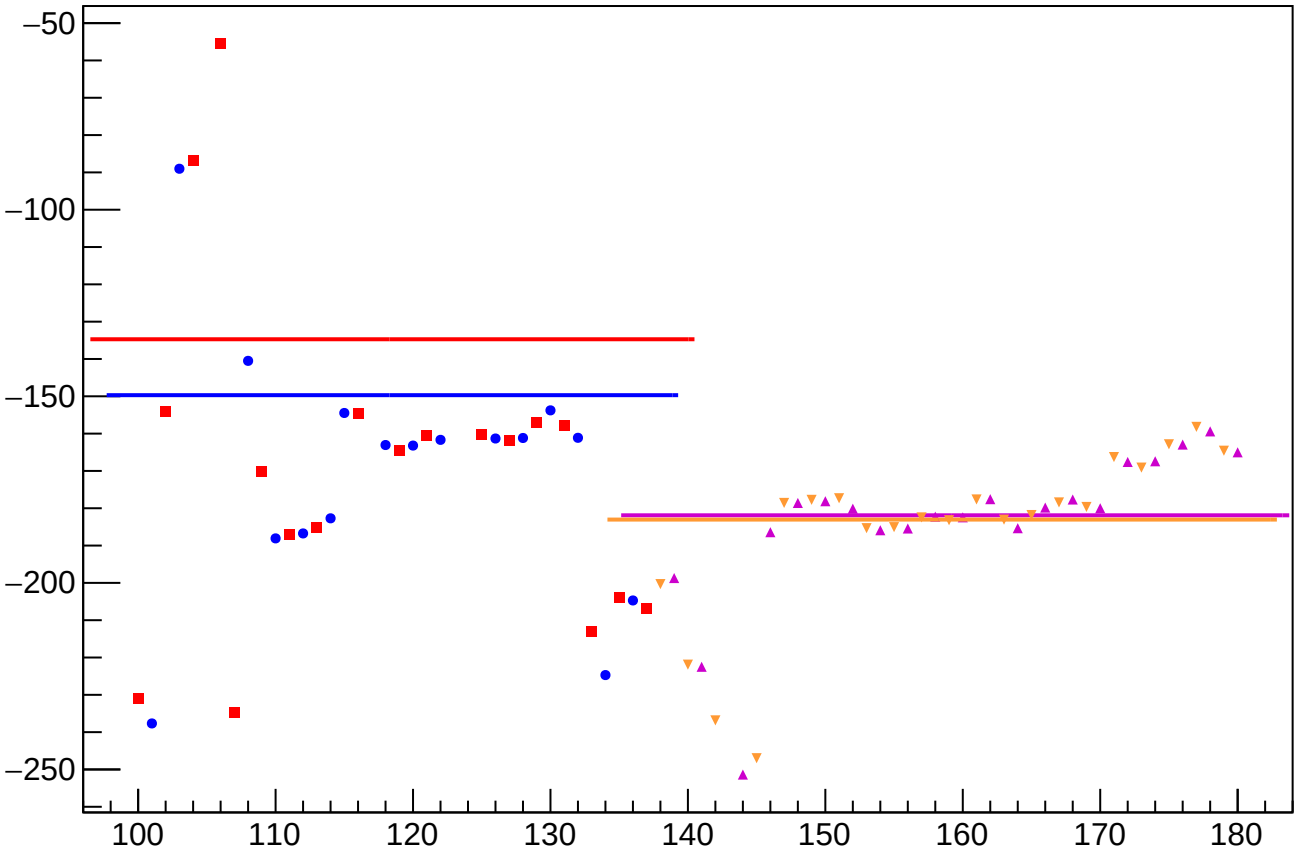
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 77.735+/-1.259 χ^2/NDF:479.2/20

+ sign 67.204+/-1.056 χ^2/NDF: 854.6/36

All: 66.965+/-0.740 χ^2/NDF: 1752.3/75

- 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: -183.035+/-0.060 χ^2/NDF:108969.1/20

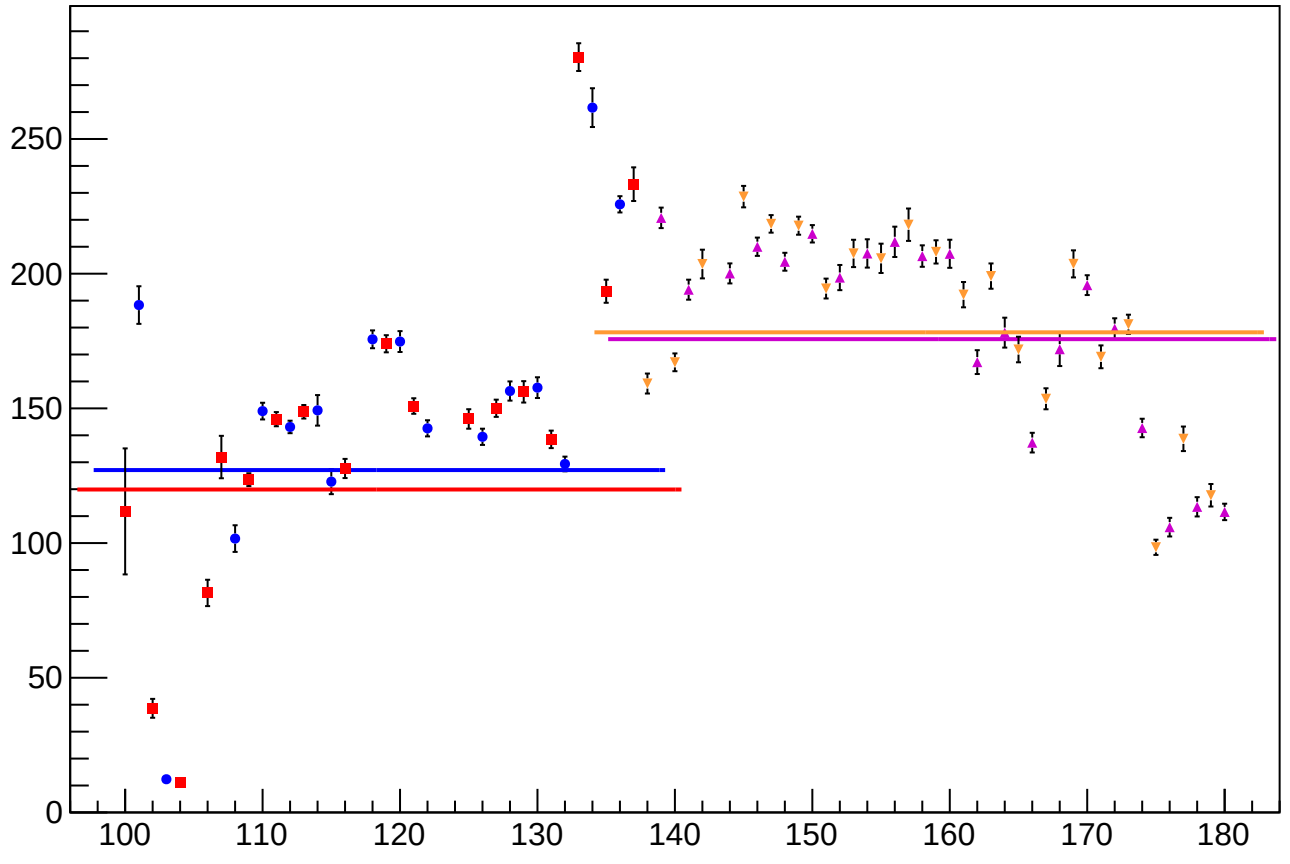
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -181.891+/-0.058 χ^2/NDF:92977.8/20

+ sign -174.347+/-0.051 χ^2/NDF: 446281.0/36

All: -171.874+/-0.036 χ^2/NDF: 1031184.3/75

- 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: 178.236+/-0.884 χ^2/NDF:1865.6/20

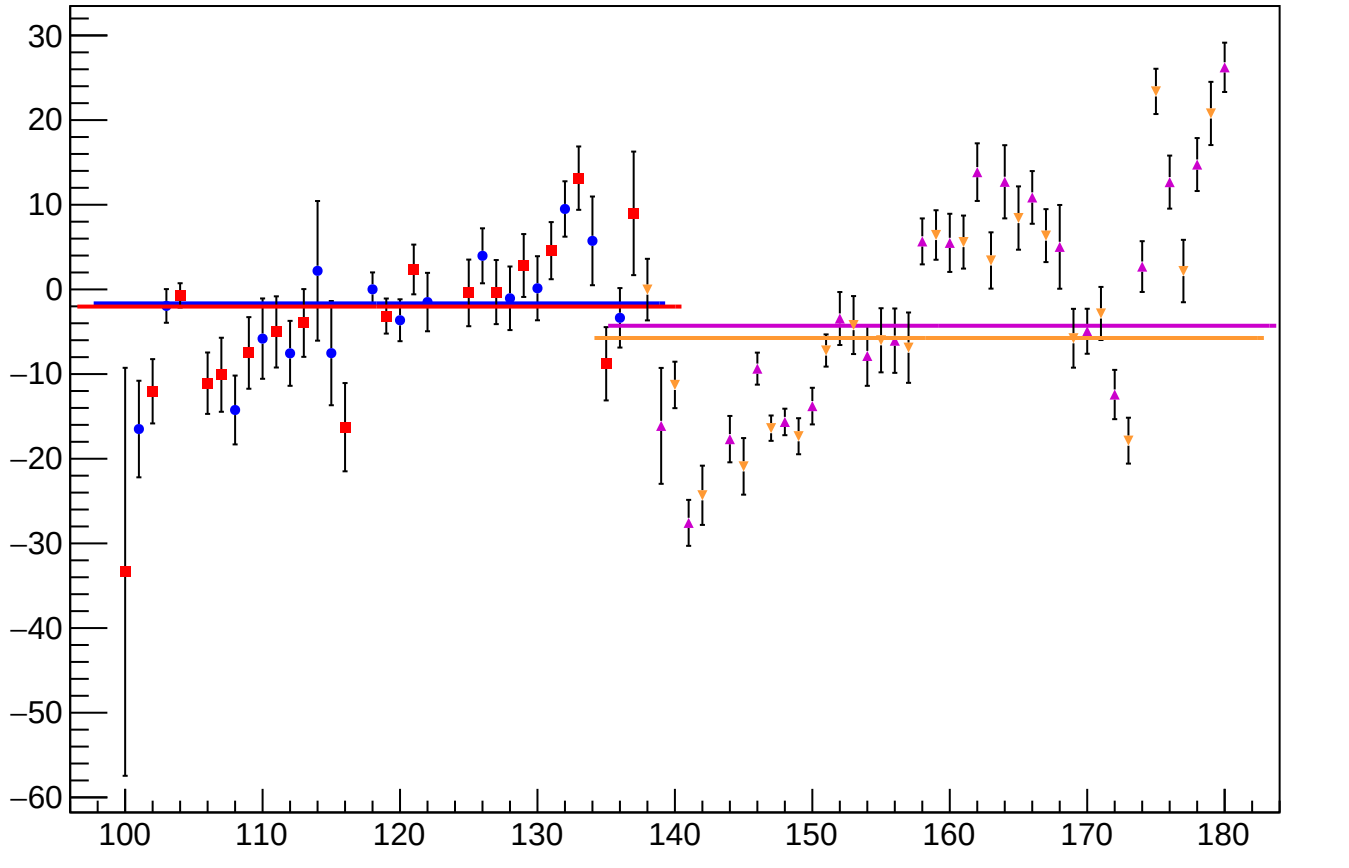
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 175.697+/-0.852 χ^2/NDF:2119.8/20

+ sign 150.458+/-0.598 χ^2/NDF: 9845.7/36

All: 147.688+/-0.414 χ^2/NDF: 21008.0/75

- 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: -5.738+/-0.617 χ^2/NDF:398.5/20

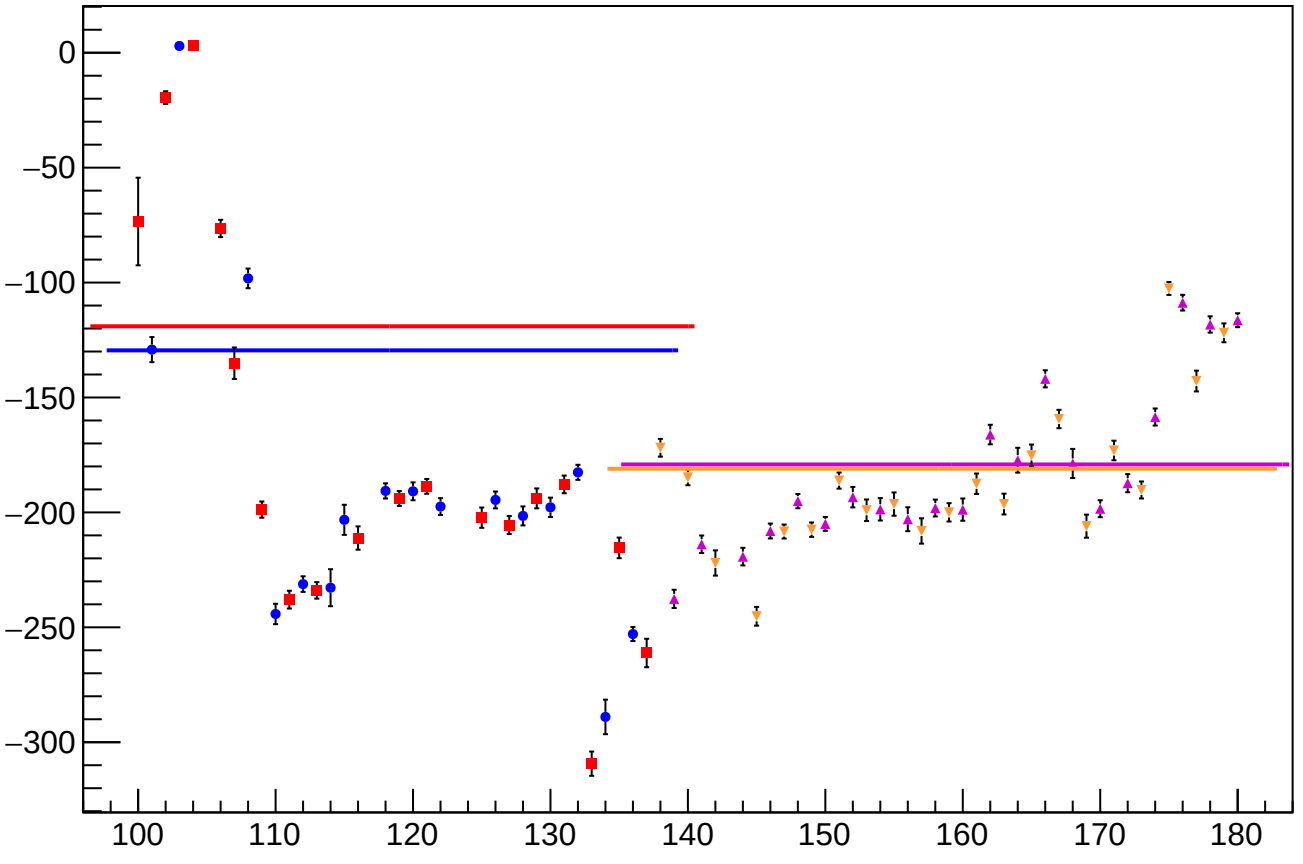
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -4.293+/-0.615 χ^2/NDF:463.2/20

+ sign -4.289+/-0.496 χ^2/NDF: 453.1/36

All: -3.836+/-0.345 χ^2/NDF: 981.7/75

- sign -3.410+/-0.481 χ^2/NDF: 527.0/38



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -180.989+/-0.868 χ^2/NDF:1668.2/20

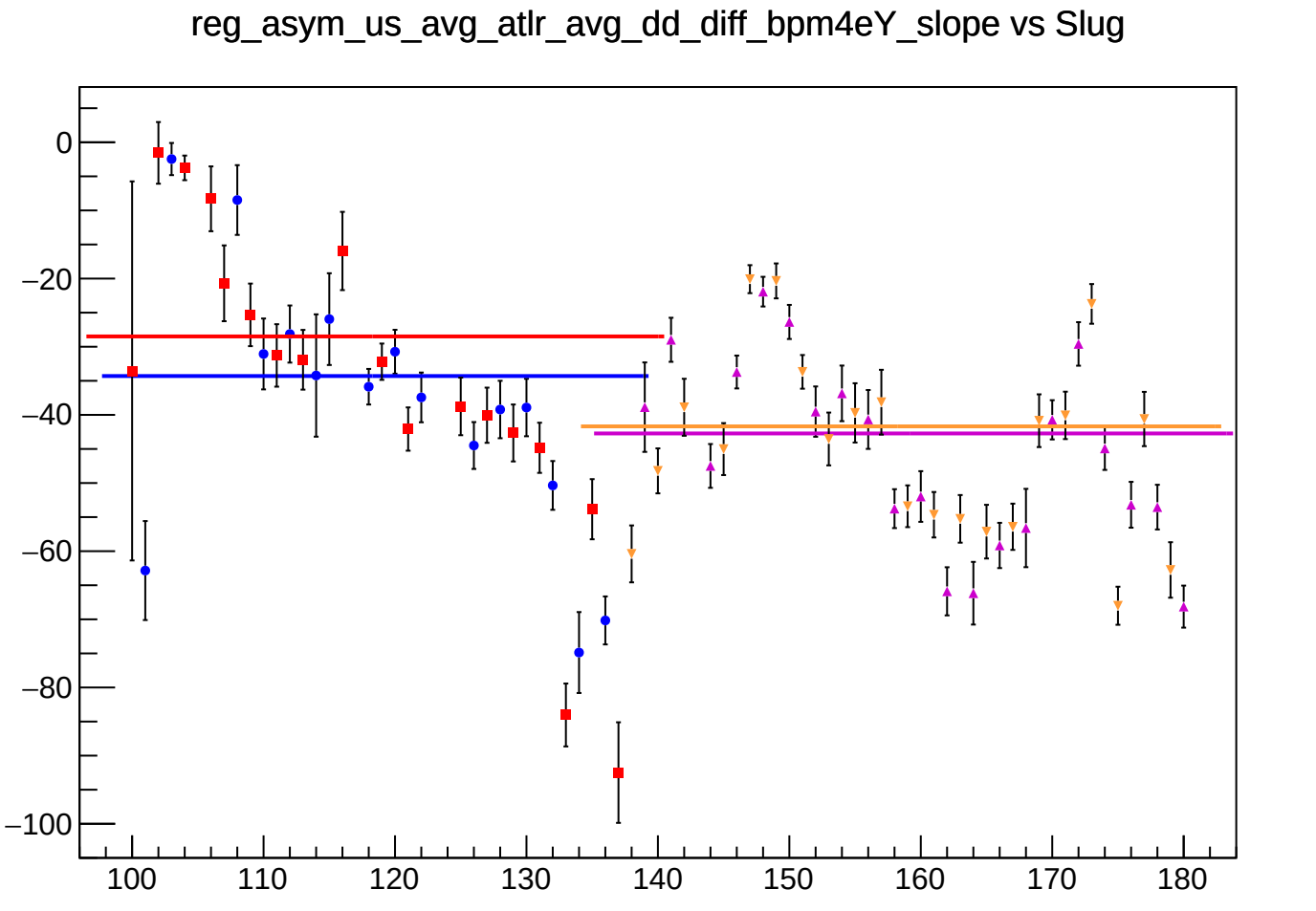
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -179.140+/-0.837 χ^2/NDF:2001.1/20

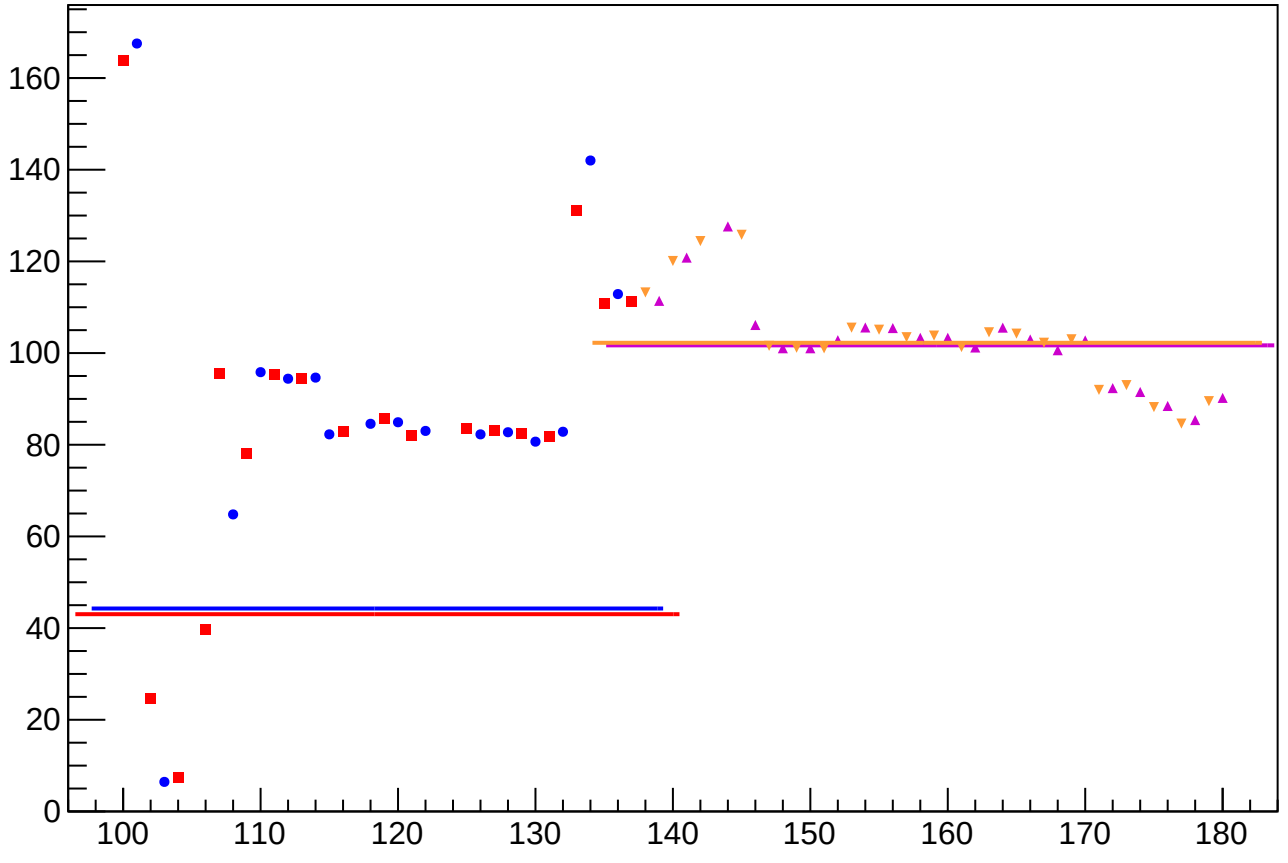
\+ sign -154.596+/-0.606 χ^2/NDF: 18160.1/36

All: -151.268+/-0.420 χ^2/NDF: 39050.4/75

\- sign -148.186+/-0.583 χ^2/NDF: 20832.3/38


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
Right In: -34.301+/-0.968 χ²/NDF: 411.3/15
Left Out: -41.686+/-0.718 χ²/NDF:449.7/20
Right Out: -28.488+/-0.907 χ²/NDF: 568.0/17
Left In: -42.726+/-0.708 χ²/NDF:398.5/20
+ sign -39.065+/-0.577 χ²/NDF: 898.6/36
All: -38.171+/-0.401 χ²/NDF: 2022.9/75
- sign -37.334+/-0.558 χ²/NDF: 1119.7/38

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 102.242+/-0.034 χ^2/NDF:89077.6/20

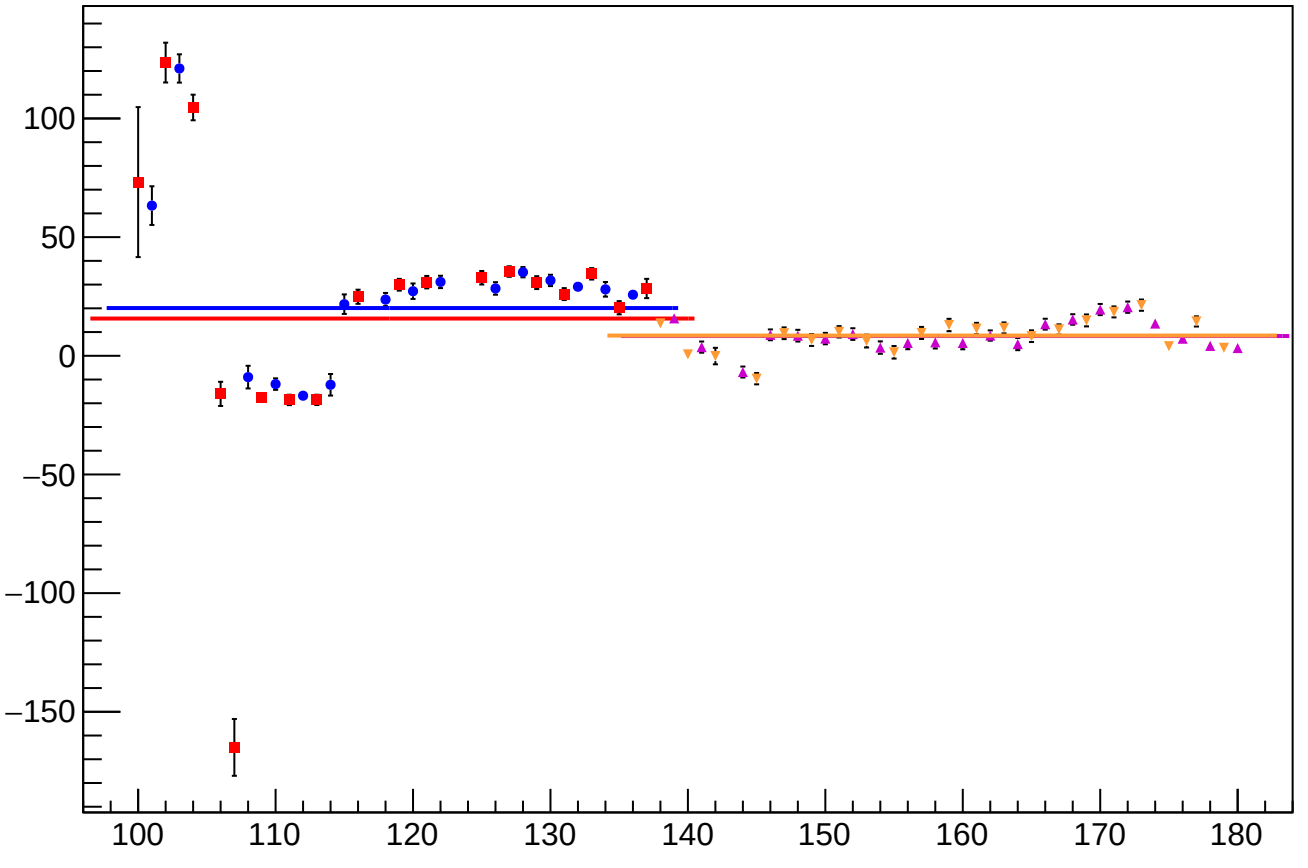
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 101.683+/-0.032 χ^2/NDF:81808.8/20

+ sign 81.436+/-0.027 χ^2/NDF: 2240744.0/36

All: 81.561+/-0.019 χ^2/NDF: 4245161.9/75

- 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: 8.524+/-0.504 χ^2/NDF:178.3/20

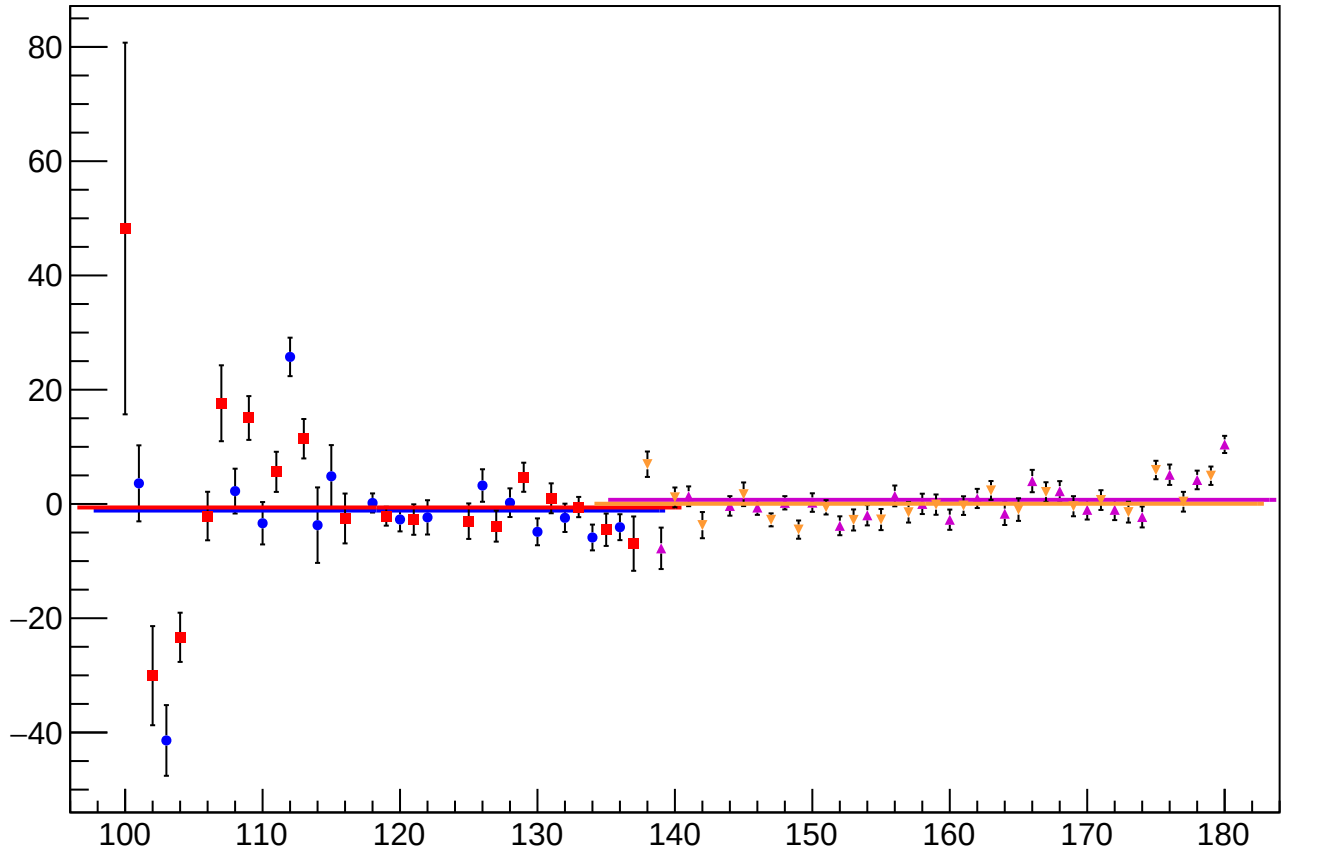
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 8.326+/-0.488 χ^2/NDF:155.8/20

+ sign 12.581+/-0.406 χ^2/NDF: 1411.5/36

All: 11.680+/-0.284 χ^2/NDF: 3428.0/75

- sign 10.821+/-0.397 χ^2/NDF: 2006.9/38



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 0.037+/-0.368 χ^2/NDF:60.4/20

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

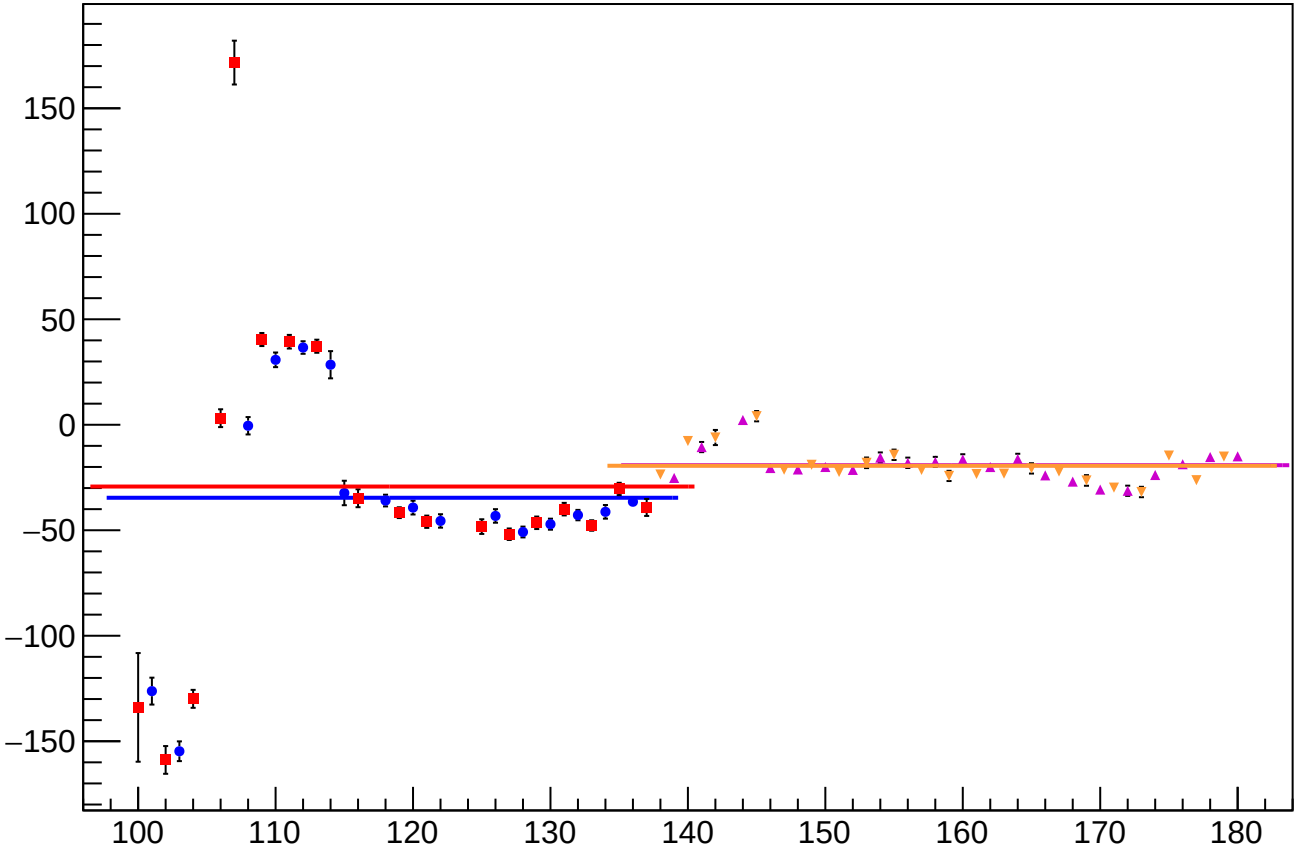
Left In: 0.721+/-0.369 χ^2/NDF:83.4/20

+ sign -0.221+/-0.326 χ^2/NDF: 184.5/36

All: 0.108+/-0.231 χ^2/NDF: 366.1/75

- sign 0.440+/-0.327 χ^2/NDF: 179.5/38

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.430+/-0.495 χ^2/NDF:237.2/20

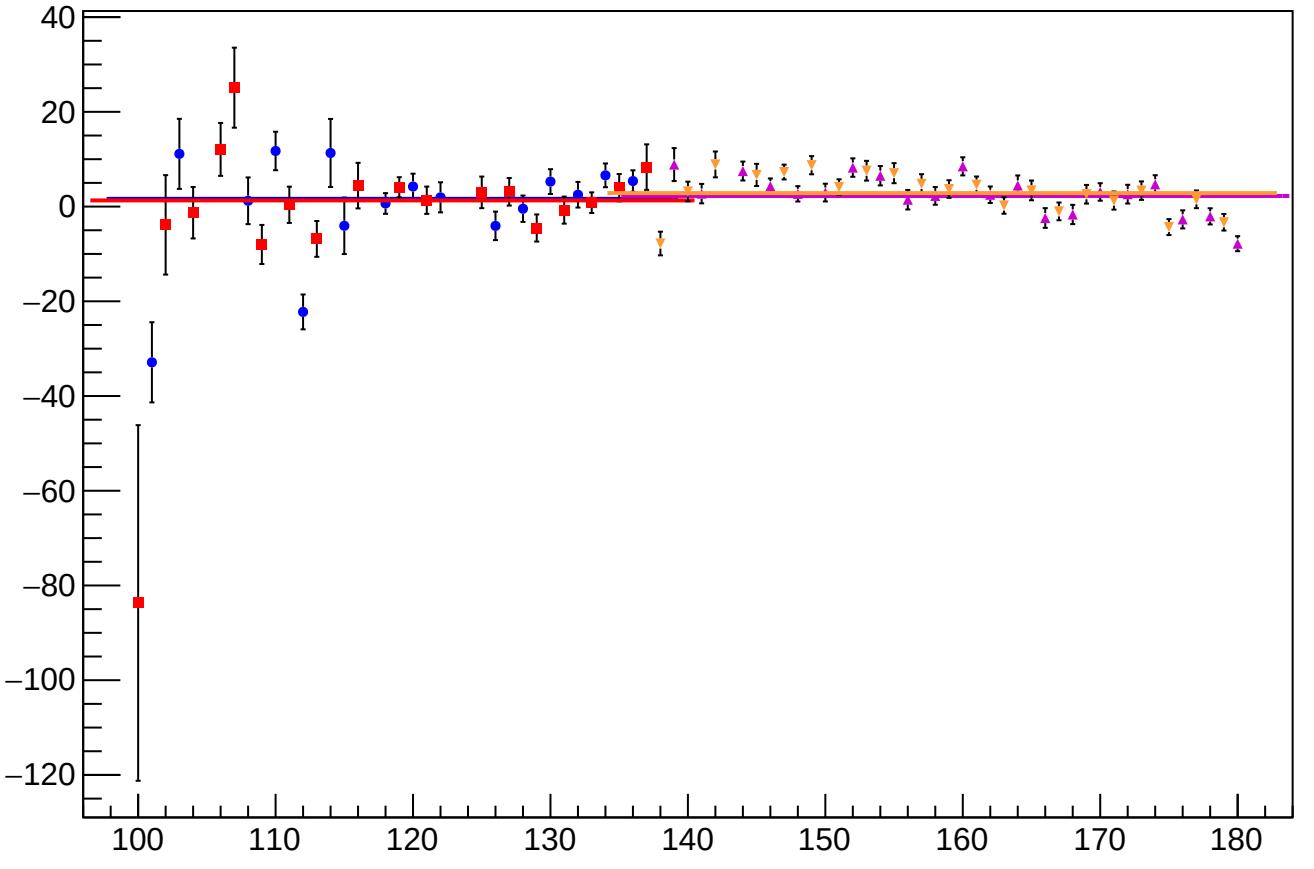
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.168+/-0.480 χ^2/NDF:191.9/20

+ sign -23.739+/-0.419 χ^2/NDF: 2562.1/36

All: -22.777+/-0.294 χ^2/NDF: 5962.8/75

- 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: 2.843+/-0.419 χ^2/NDF:93.7/20

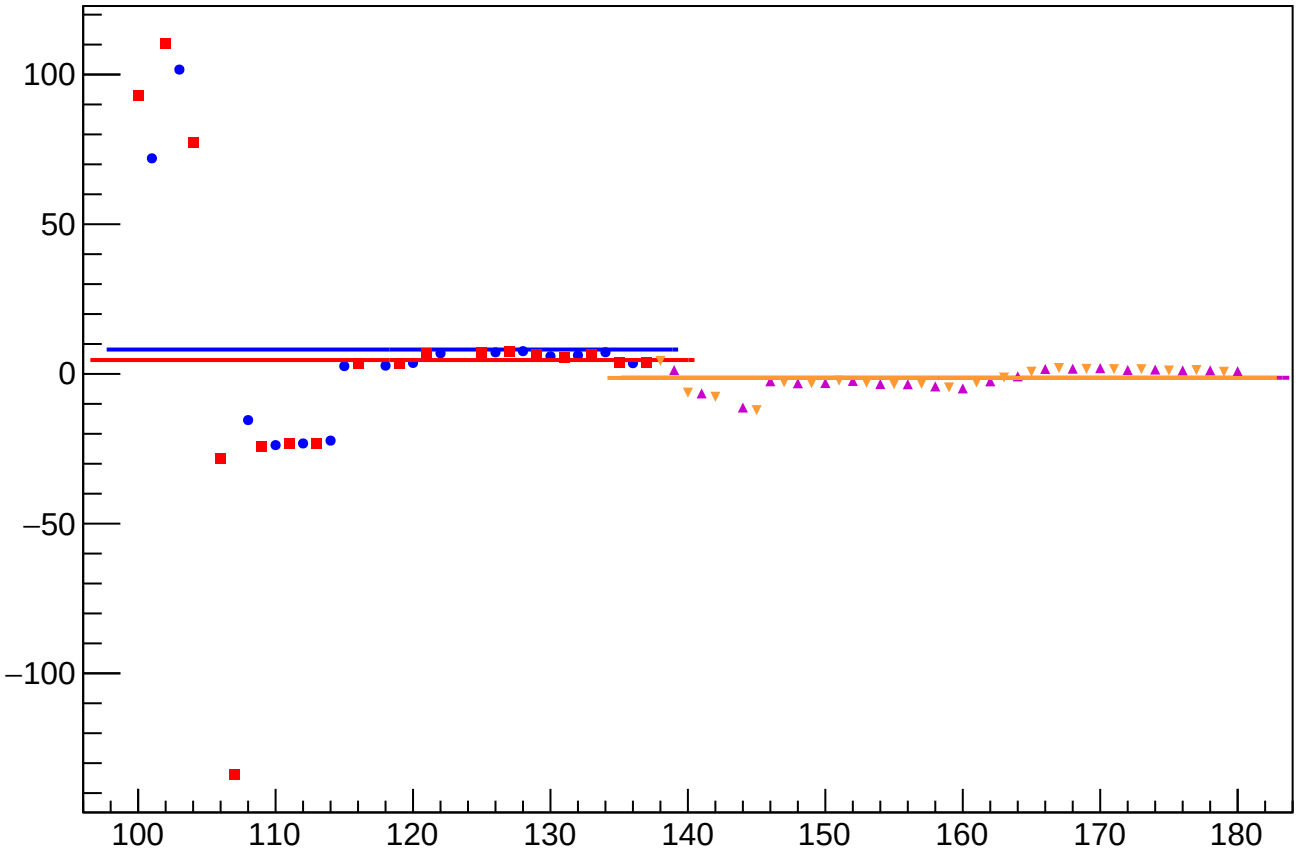
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 2.238+/-0.417 χ^2/NDF:102.1/20

+ sign 2.580+/-0.371 χ^2/NDF: 178.8/36

All: 2.312+/-0.262 χ^2/NDF: 320.6/75

- 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: -1.342+/-0.019 χ^2/NDF:34394.1/20

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

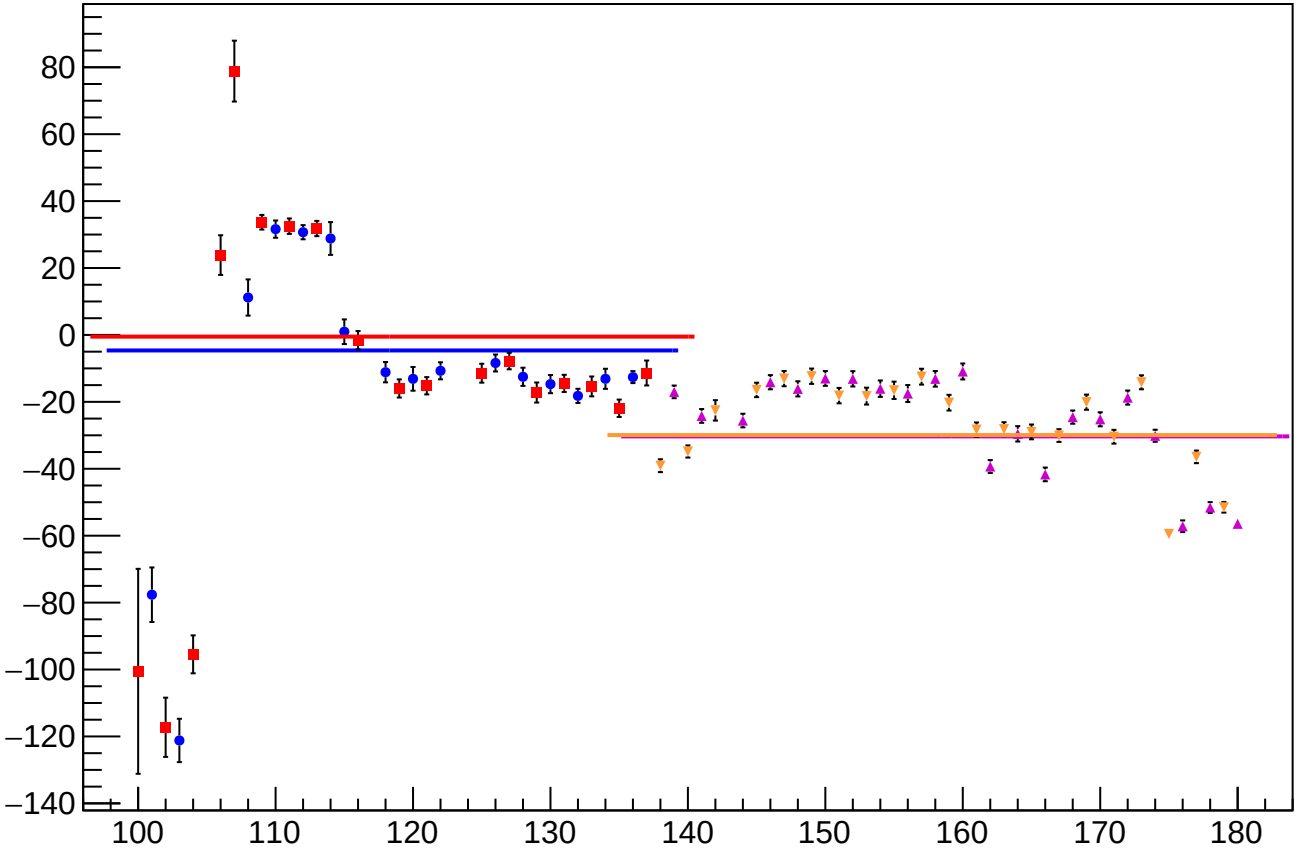
Left In: -1.278+/-0.018 χ^2/NDF:27464.2/20

+ sign -0.098+/-0.018 χ^2/NDF: 381176.3/36

All: -0.360+/-0.012 χ^2/NDF: 867521.9/75

- sign -0.615+/-0.017 χ^2/NDF: 485904.6/38

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -29.925+/-0.454 χ^2/NDF:996.7/20

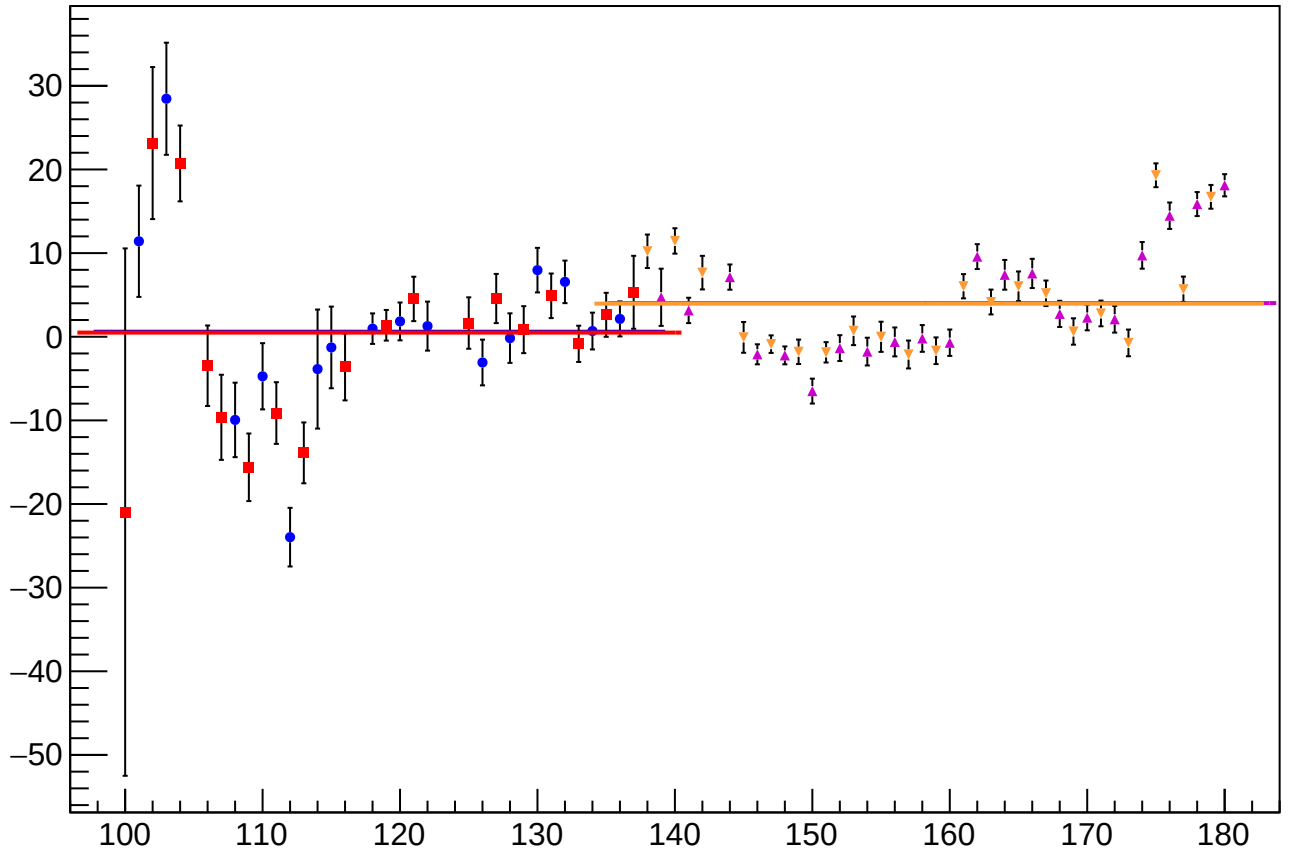
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -30.328+/-0.439 χ^2/NDF:1324.6/20

+ sign -22.600+/-0.383 χ^2/NDF: 2939.9/36

All: -22.343+/-0.267 χ^2/NDF: 6997.6/75

- 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: 3.961+/-0.333 χ^2/NDF:352.1/20

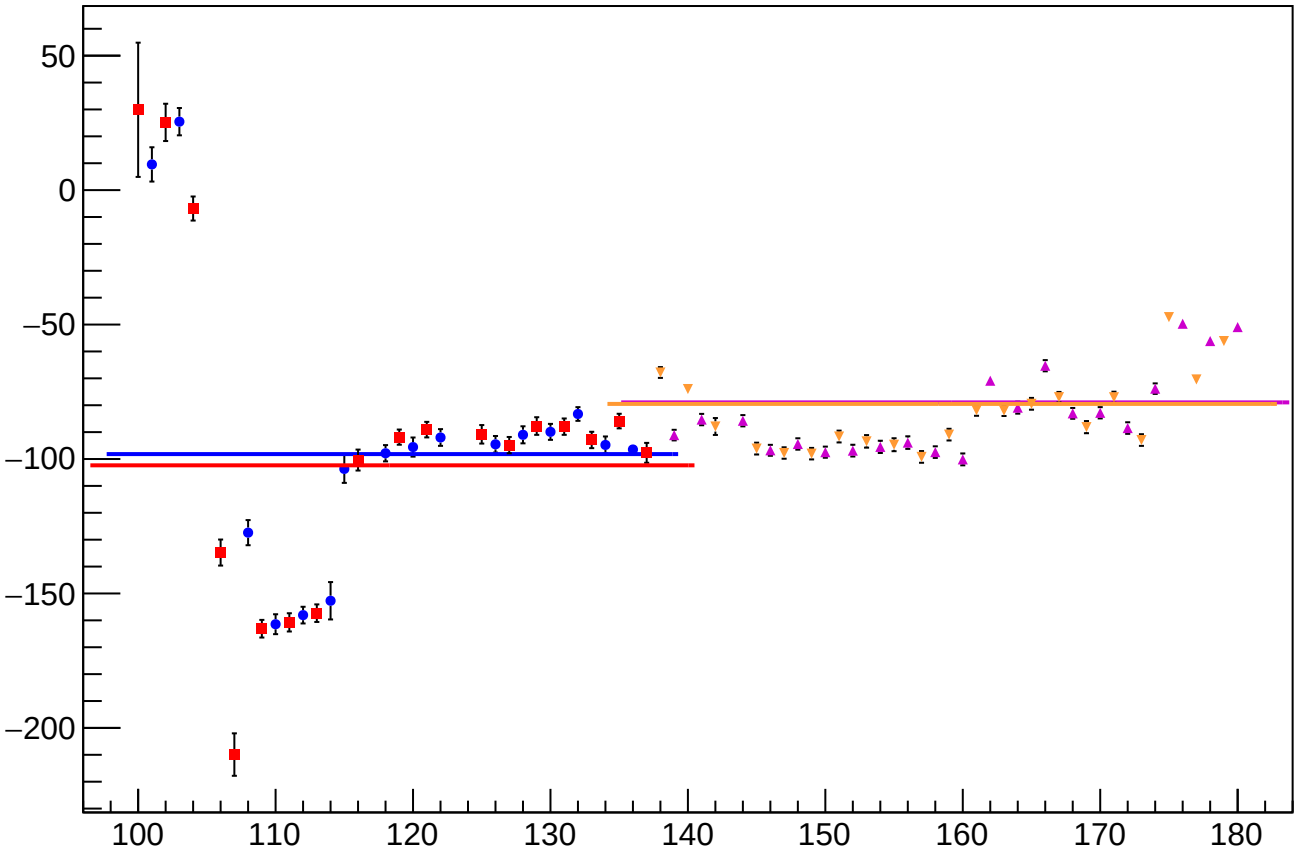
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 4.023+/-0.332 χ^2/NDF:424.9/20

+ sign 3.377+/-0.303 χ^2/NDF: 462.6/36

All: 3.414+/-0.215 χ^2/NDF: 986.0/75

- 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: -79.507+/-0.447 χ^2/NDF:1242.6/20

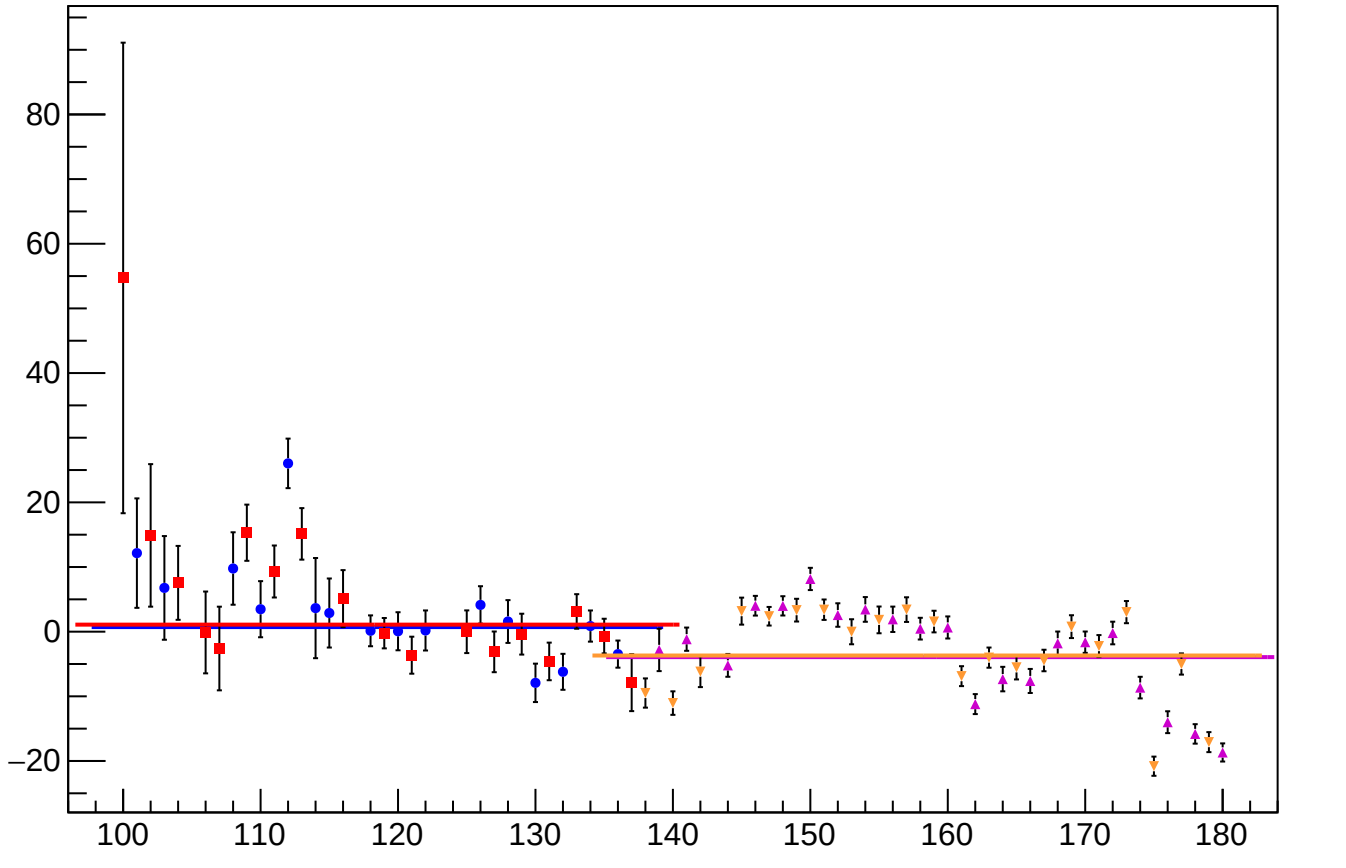
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -78.939+/-0.433 χ^2/NDF:1599.7/20

+ sign -83.841+/-0.392 χ^2/NDF: 3347.3/36

All: -83.859+/-0.274 χ^2/NDF: 7681.8/75

- 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: -3.688+/-0.379 χ^2/NDF:359.9/20

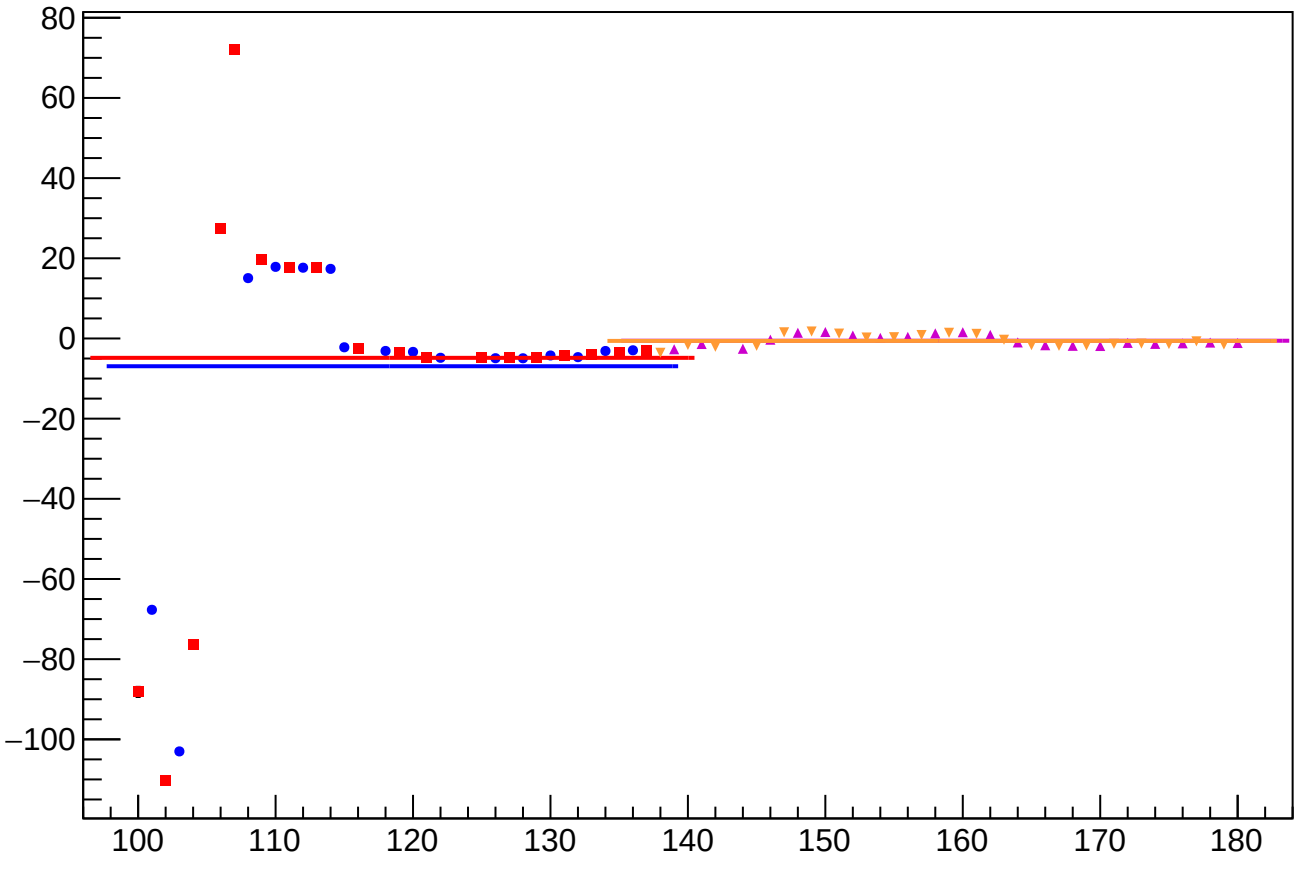
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -3.937+/-0.375 χ^2/NDF:412.0/20

+ sign -2.917+/-0.344 χ^2/NDF: 453.2/36

All: -3.023+/-0.243 χ^2/NDF: 941.9/75

- 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: -0.609+/-0.017 χ^2/NDF:6689.4/20

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

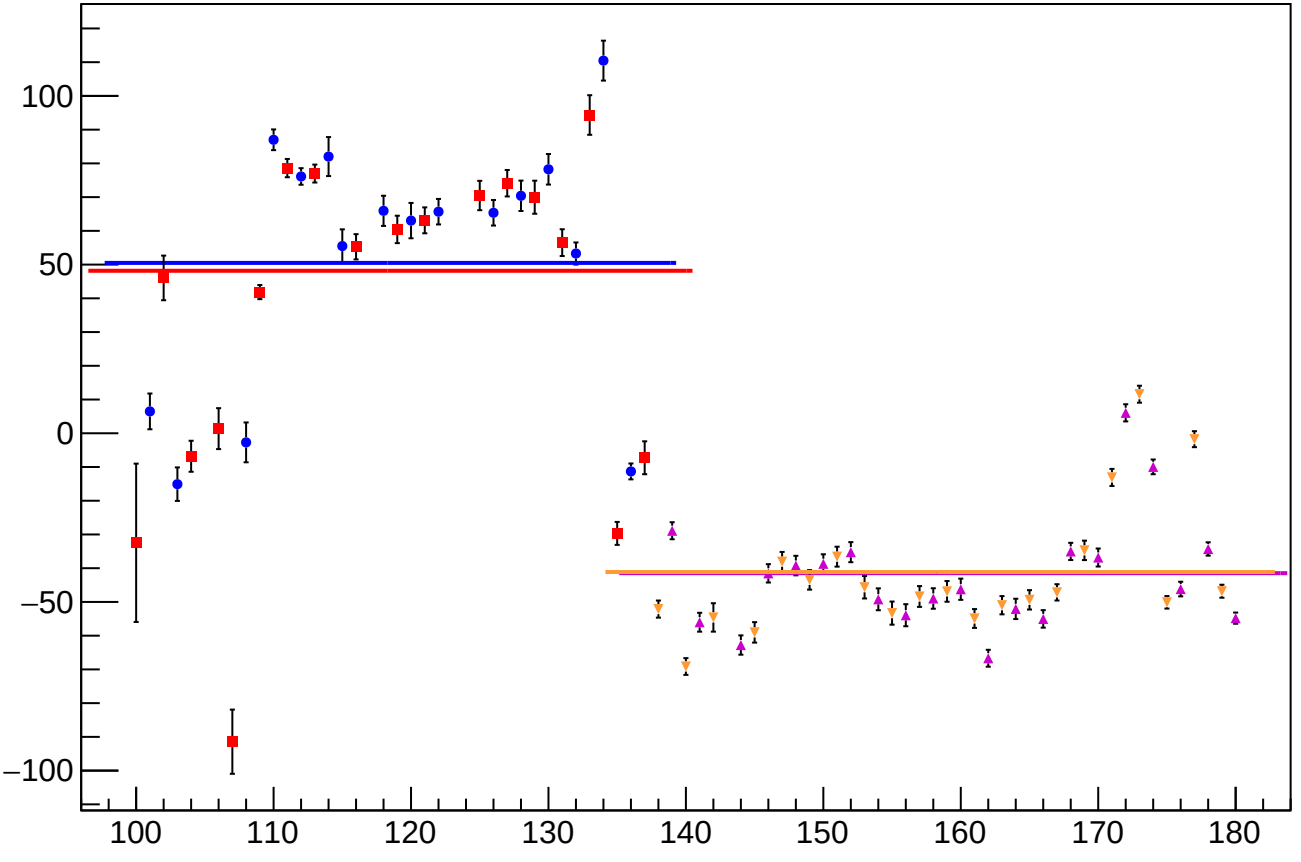
Left In: -0.568+/-0.017 χ^2/NDF:6237.7/20

+ sign -1.299+/-0.016 χ^2/NDF: 286973.8/36

All: -1.122+/-0.011 χ^2/NDF: 638754.1/75

- 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: -41.125+/-0.582 χ^2/NDF:1146.0/20

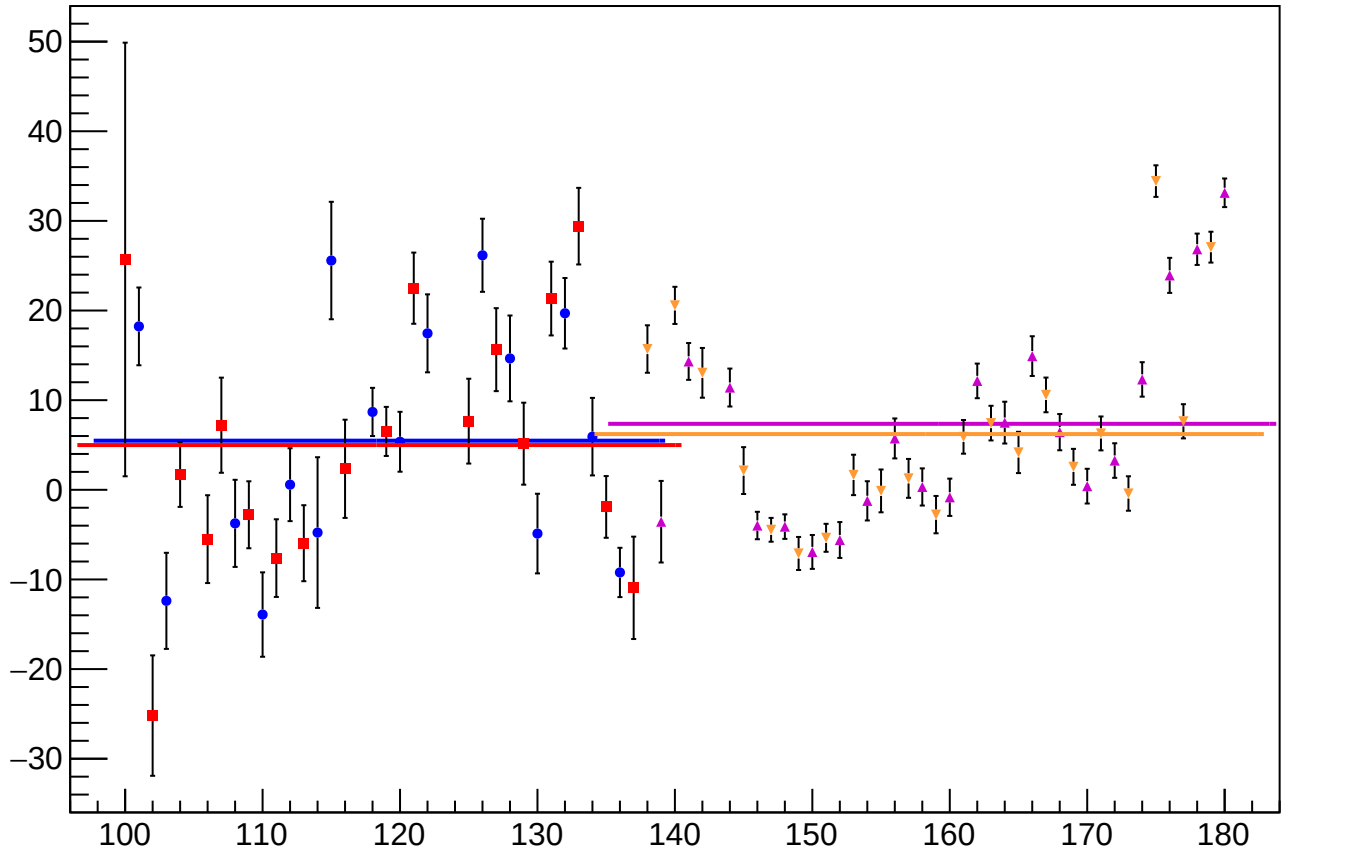
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -41.467+/-0.558 χ^2/NDF:933.0/20

\+ sign -16.704+/-0.498 χ^2/NDF: 9257.8/36

All: -16.926+/-0.344 χ^2/NDF: 18713.2/75

\- 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: 6.217+/-0.427 χ^2/NDF:701.3/20

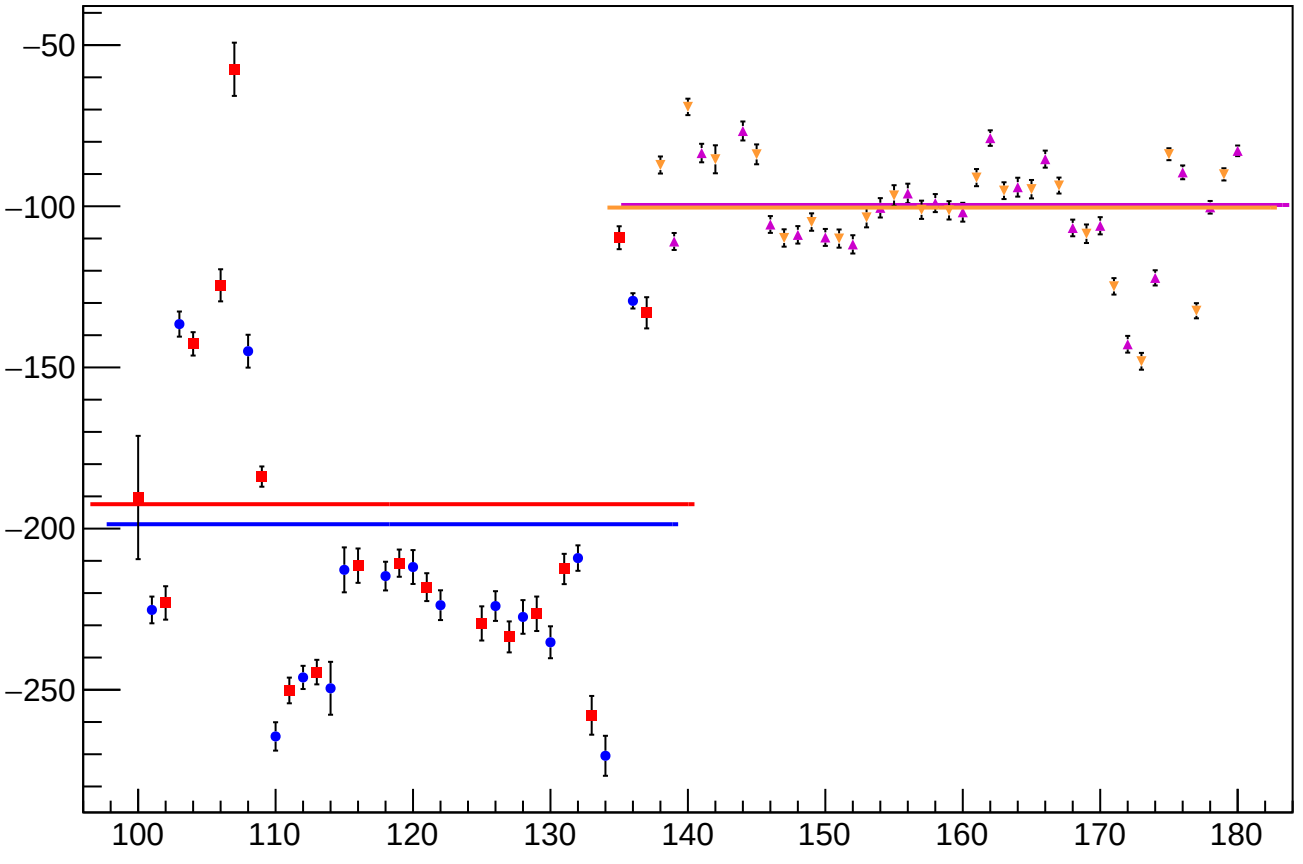
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 7.361+/-0.424 χ^2/NDF:786.9/20

\+ sign 6.107+/-0.394 χ^2/NDF: 839.9/36

All: 6.563+/-0.278 χ^2/NDF: 1765.9/75

\- 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: -100.402+/-0.572 χ^2/NDF:1000.0/20

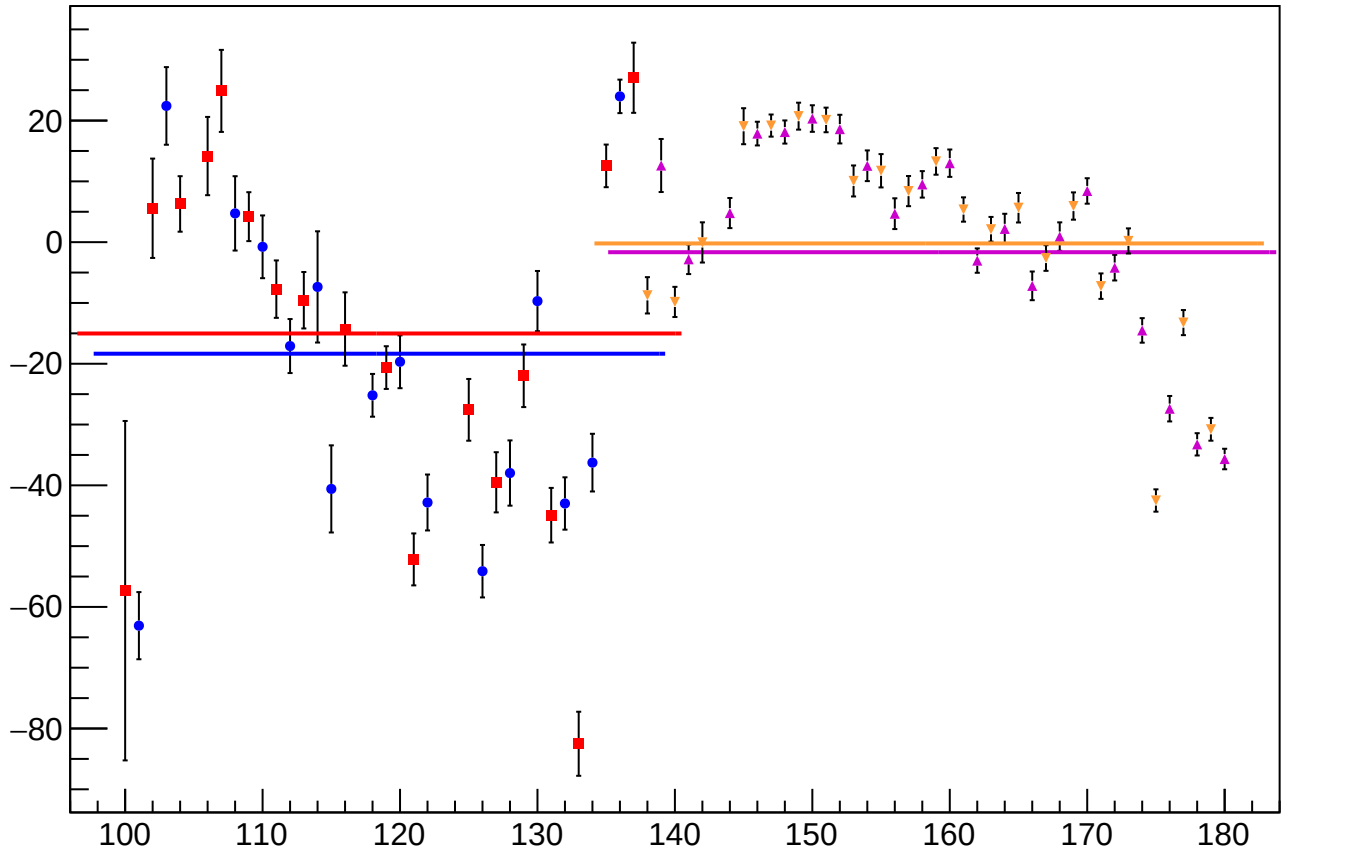
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -99.601+/-0.551 χ^2/NDF:779.1/20

+ sign -121.838+/-0.506 χ^2/NDF: 9430.5/36

All: -120.253+/-0.352 χ^2/NDF: 18232.7/75

- 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: -0.210+/-0.485 χ^2/NDF:1325.5/20

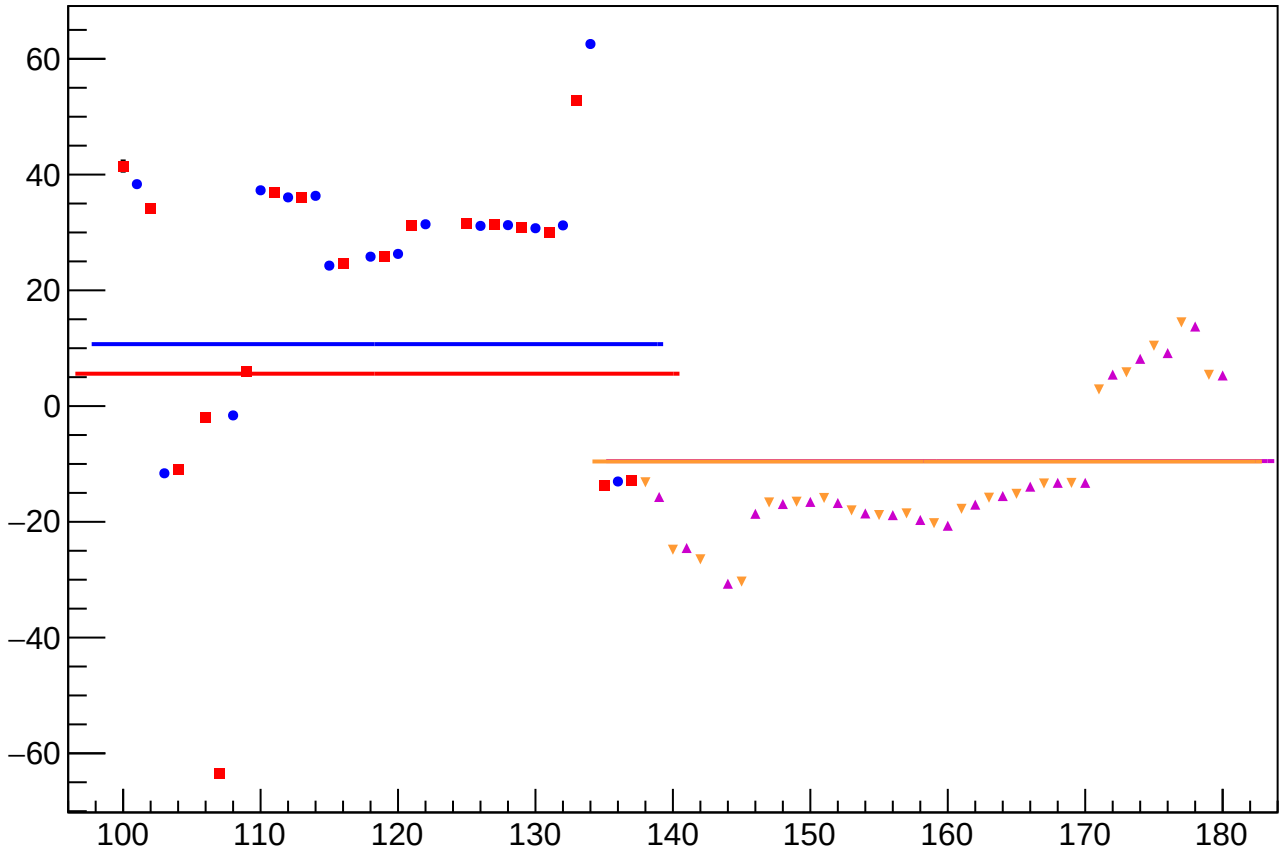
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: -1.651+/-0.478 χ^2/NDF:1436.7/20

+ sign -2.910+/-0.447 χ^2/NDF: 2077.7/36

All: -3.252+/-0.314 χ^2/NDF: 4175.3/75

- 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: -9.572+/-0.022 χ^2/NDF:336828.6/20

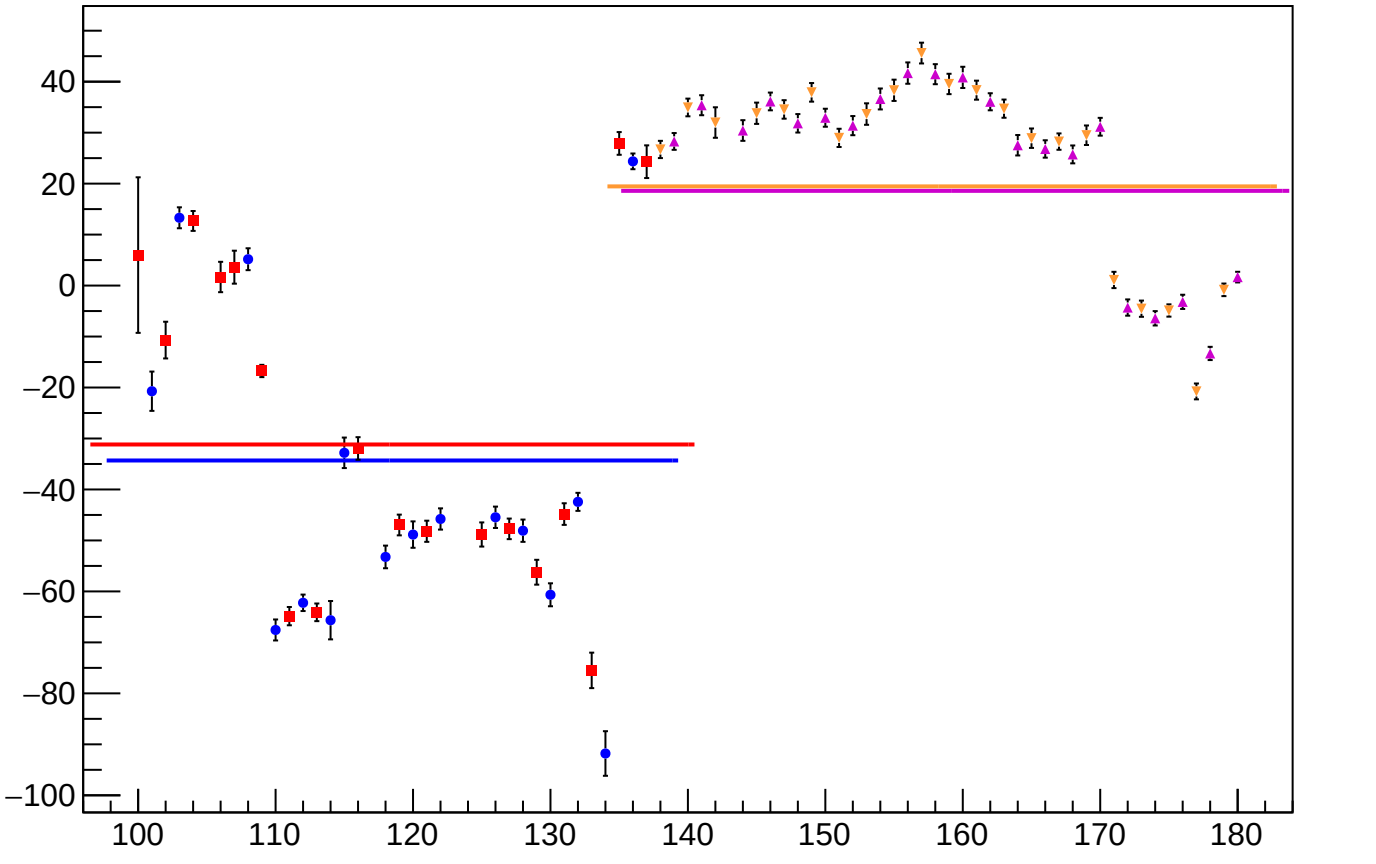
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -9.506+/-0.021 χ^2/NDF:348797.8/20

\+ sign -7.400+/-0.021 χ^2/NDF: 594459.6/36

All: -7.709+/-0.014 χ^2/NDF: 1149408.2/75

\- sign -8.003+/-0.020 χ^2/NDF: 554508.0/38



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 19.456+/-0.379 χ^2/NDF:2717.5/20

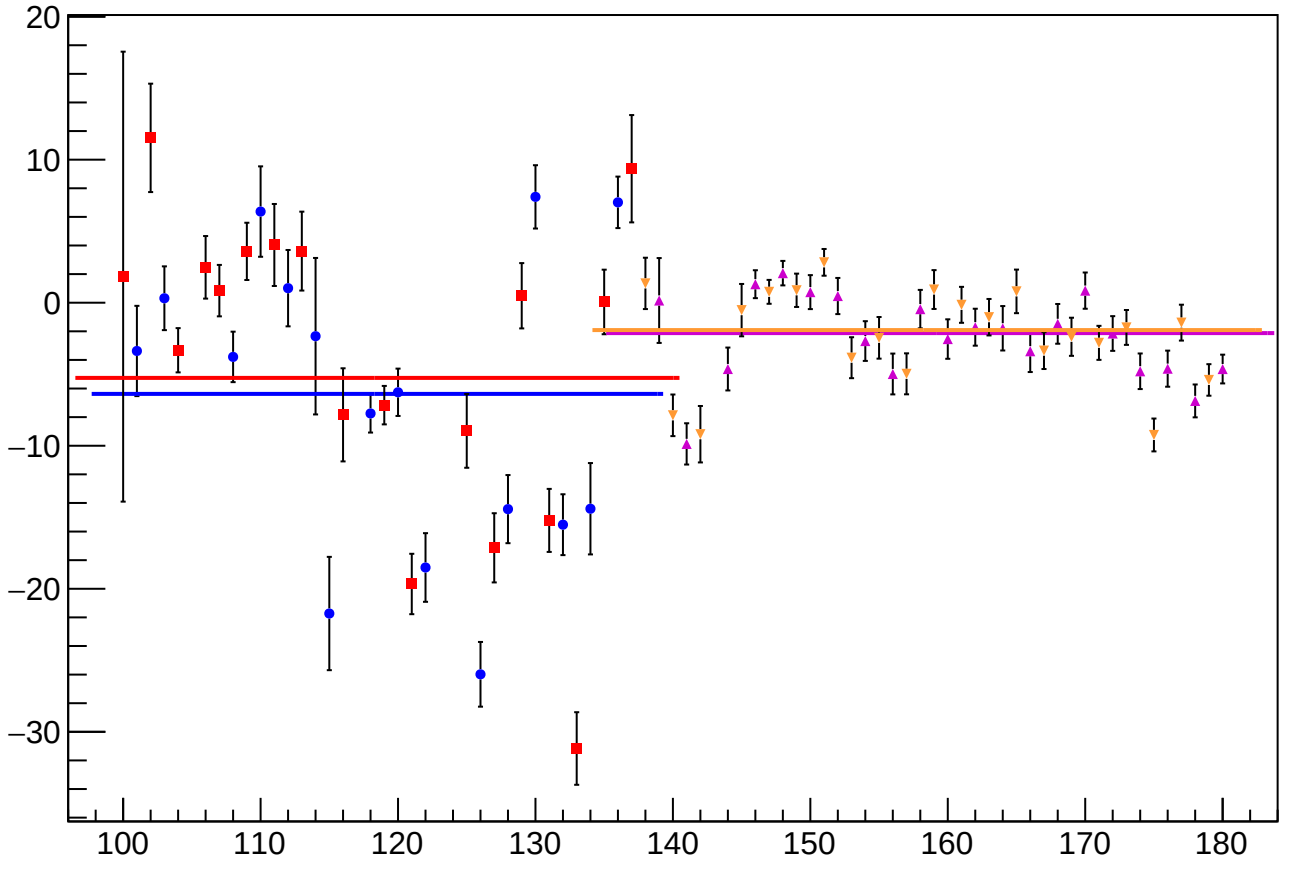
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 18.581+/-0.363 χ^2/NDF:2709.7/20

\+ sign 2.055+/-0.312 χ^2/NDF: 12735.3/36

All: 2.079+/-0.215 χ^2/NDF: 24870.0/75

\- 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: -1.914+/-0.276 χ^2/NDF:145.4/20

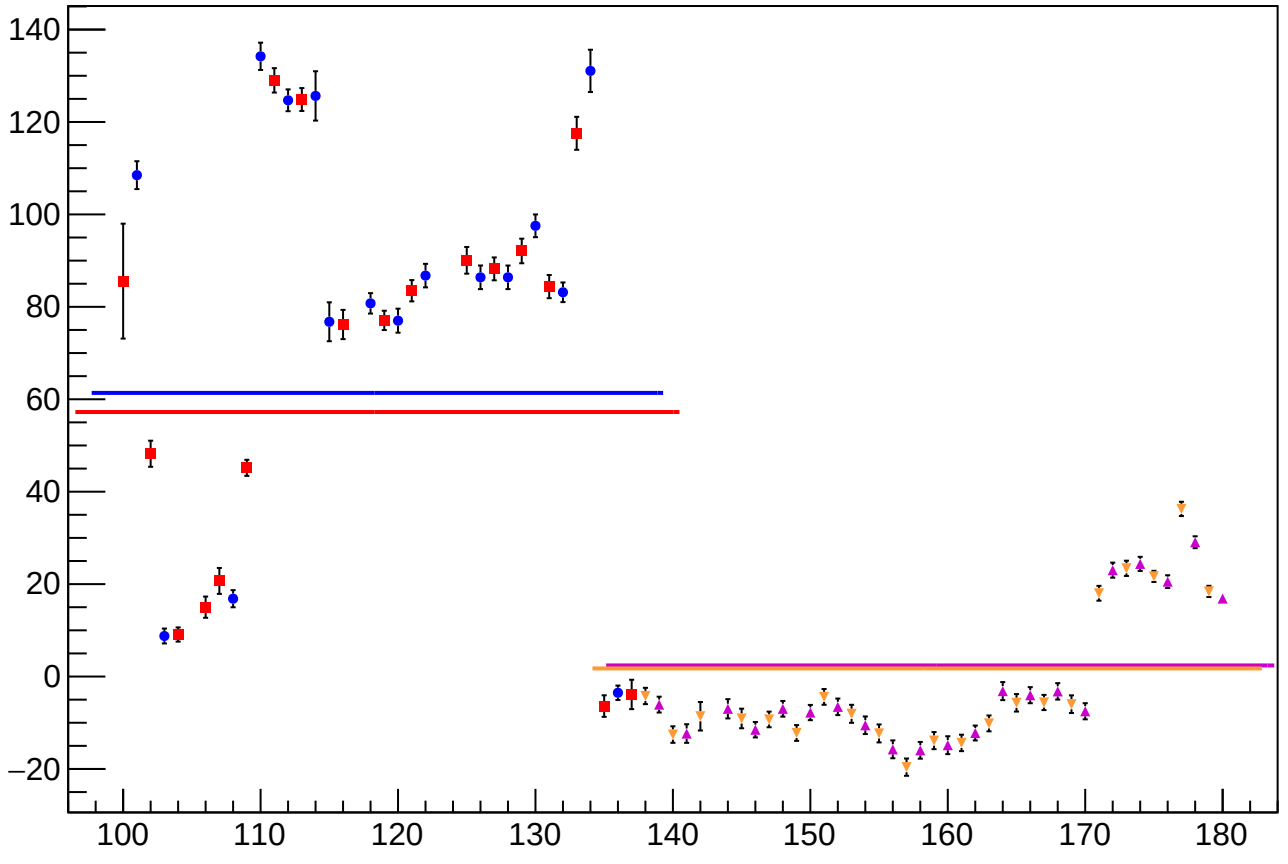
Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -2.125+/-0.275 χ^2/NDF:122.7/20

+ sign -2.804+/-0.247 χ^2/NDF: 480.9/36

All: -2.794+/-0.174 χ^2/NDF: 943.9/75

- sign -2.785+/-0.244 χ^2/NDF: 462.9/38



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: 1.756+/-0.372 χ^2/NDF:1931.8/20

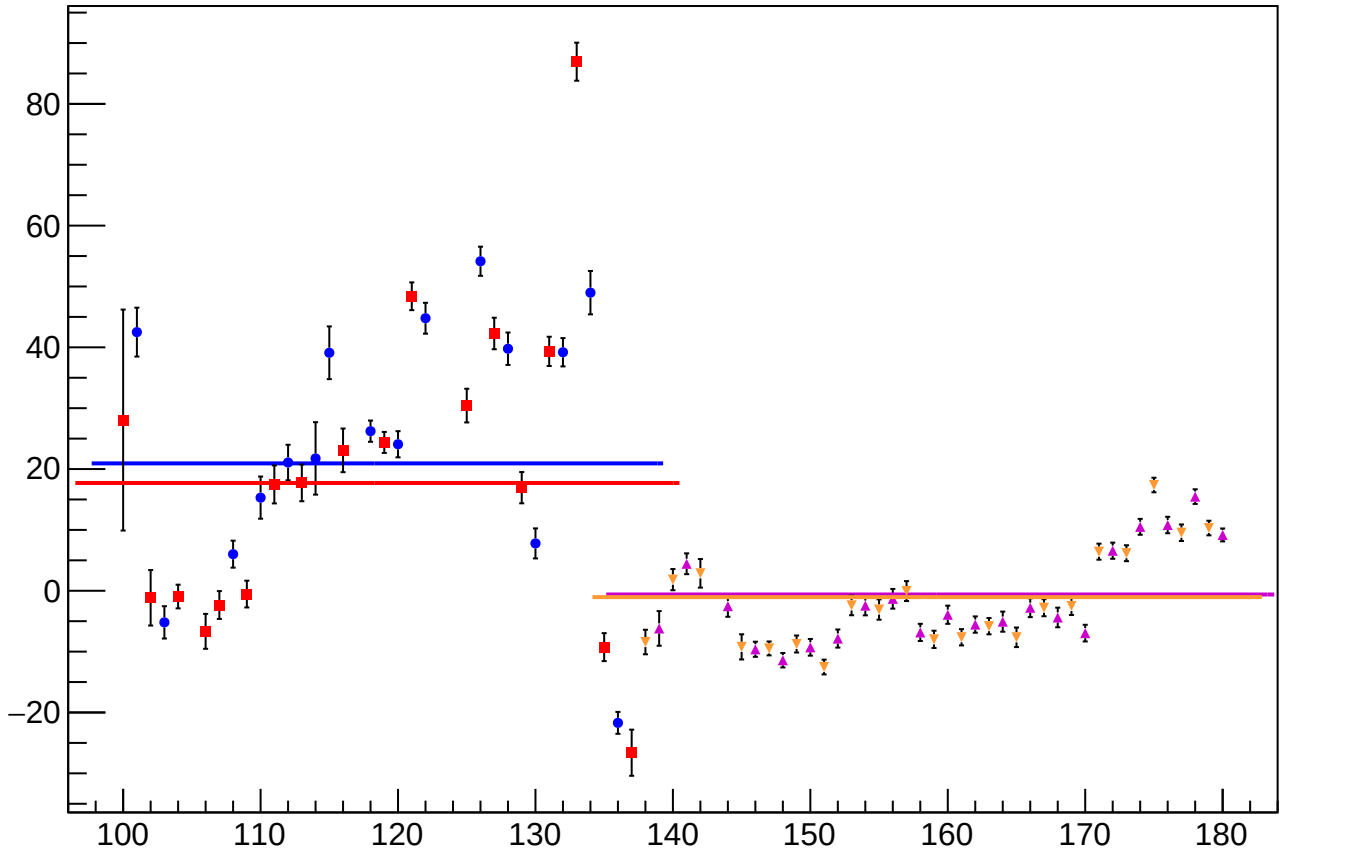
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 2.402+/-0.358 χ^2/NDF:1890.4/20

\+ sign 18.549+/-0.315 χ^2/NDF: 15228.1/36

All: 18.011+/-0.219 χ^2/NDF: 28864.0/75

\- 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: -1.044+/-0.314 χ^2/NDF:741.4/20

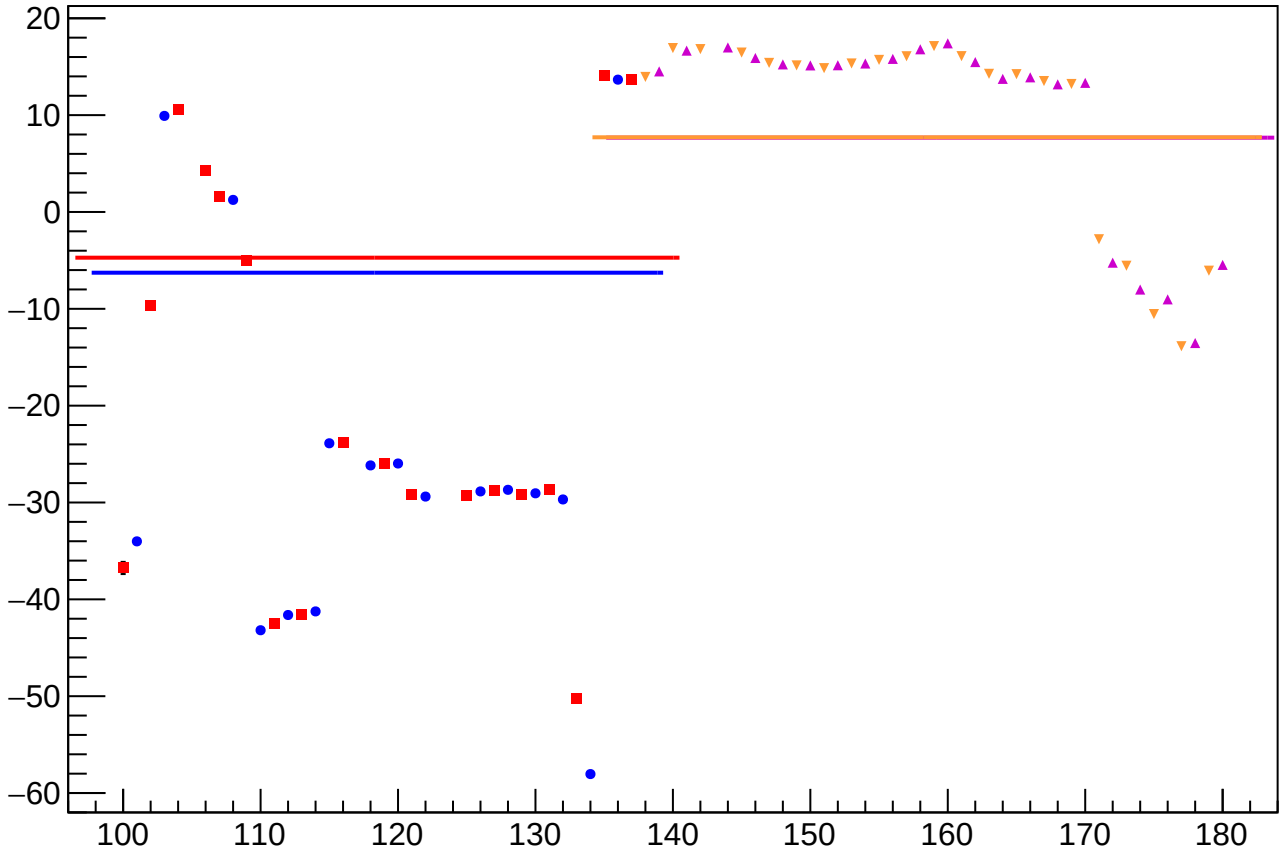
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -0.614+/-0.310 χ^2/NDF:724.0/20

+ sign 3.227+/-0.282 χ^2/NDF: 2936.2/36

All: 3.151+/-0.198 χ^2/NDF: 5844.1/75

- 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: 7.711+/-0.014 χ^2/NDF:605752.5/20

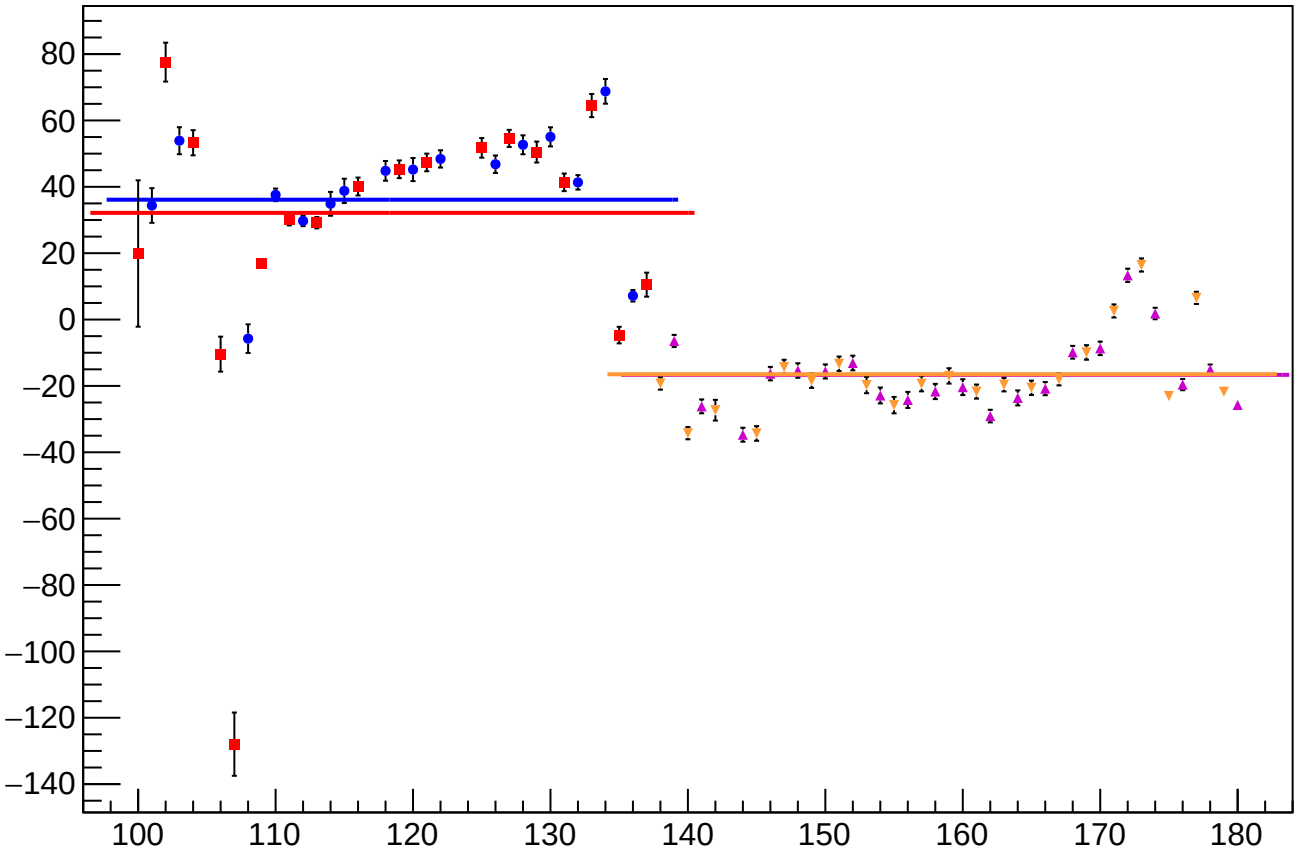
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 7.672+/-0.014 χ^2/NDF:644750.0/20

+ sign 5.586+/-0.013 χ^2/NDF: 1164678.5/36

All: 5.750+/-0.009 χ^2/NDF: 2232419.1/75

- 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: -16.489+/-0.443 χ^2/NDF:768.6/20

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

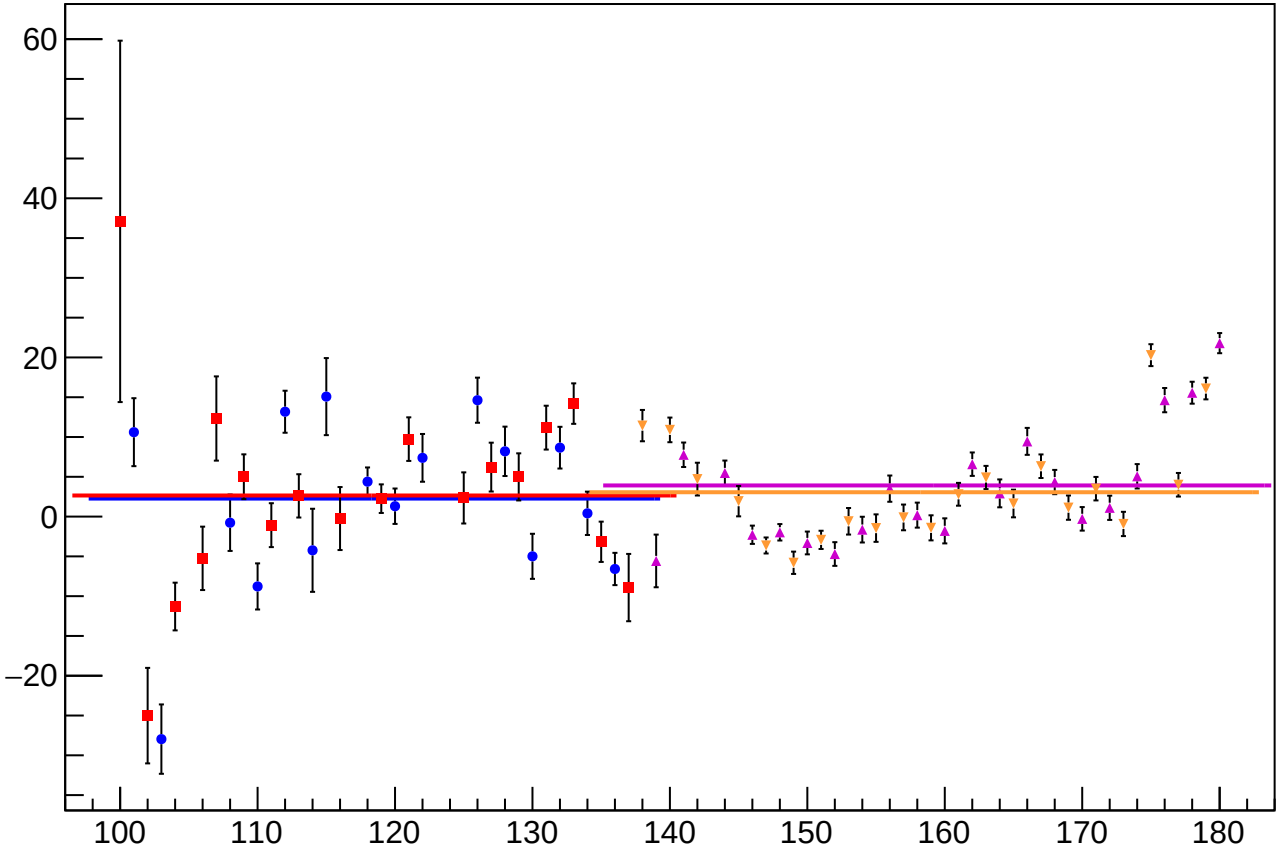
Left In: -16.667+/-0.426 χ^2/NDF:624.7/20

\+ sign -0.046+/-0.367 χ^2/NDF: 5806.7/36

All: -0.724+/-0.254 χ^2/NDF: 11665.0/75

\- 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: 3.060+/-0.324 χ^2/NDF:444.4/20

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

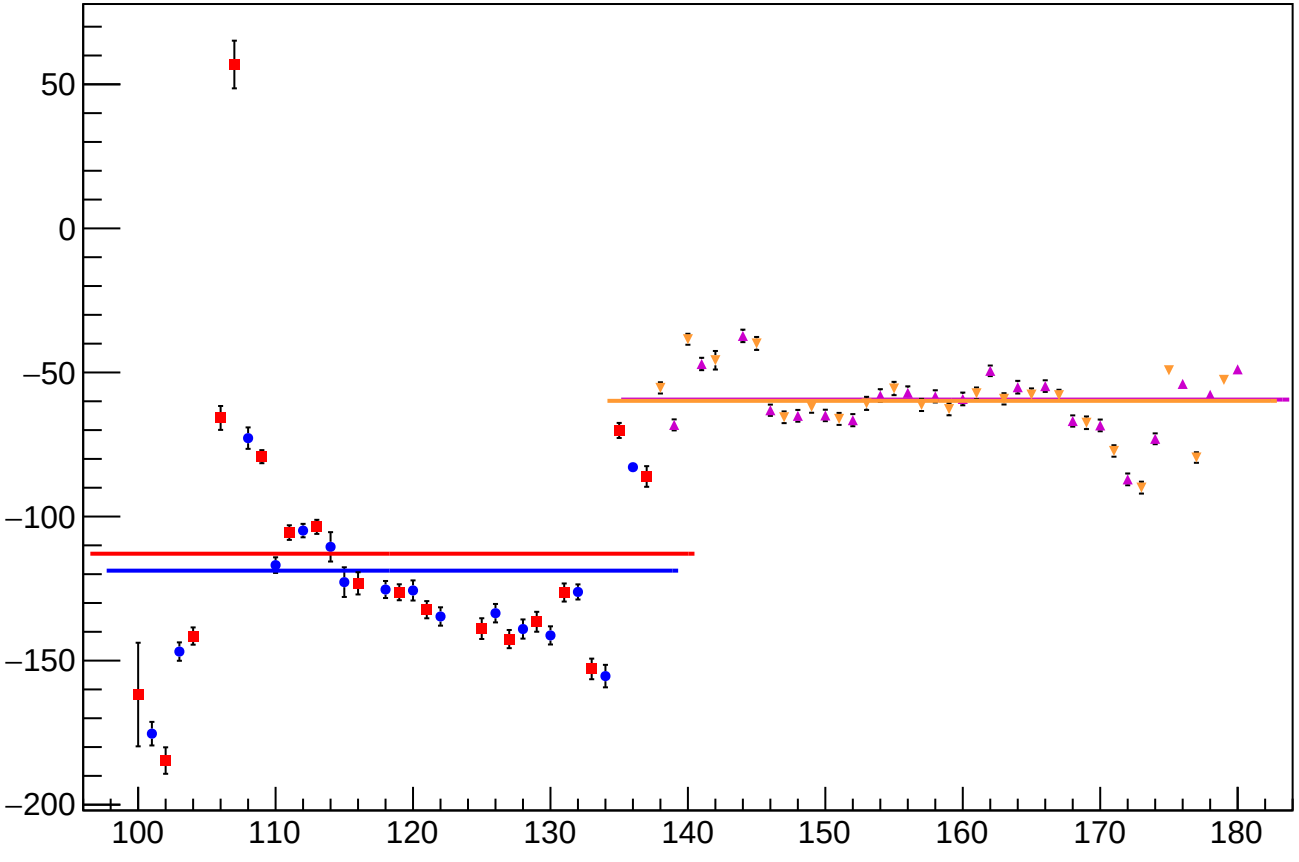
Left In: 3.914+/-0.323 χ^2/NDF:513.7/20

\+ sign 2.920+/-0.294 χ^2/NDF: 597.5/36

All: 3.310+/-0.208 χ^2/NDF: 1224.5/75

\- sign 3.700+/-0.294 χ^2/NDF: 623.5/38

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -59.845+/-0.435 χ^2/NDF:749.6/20

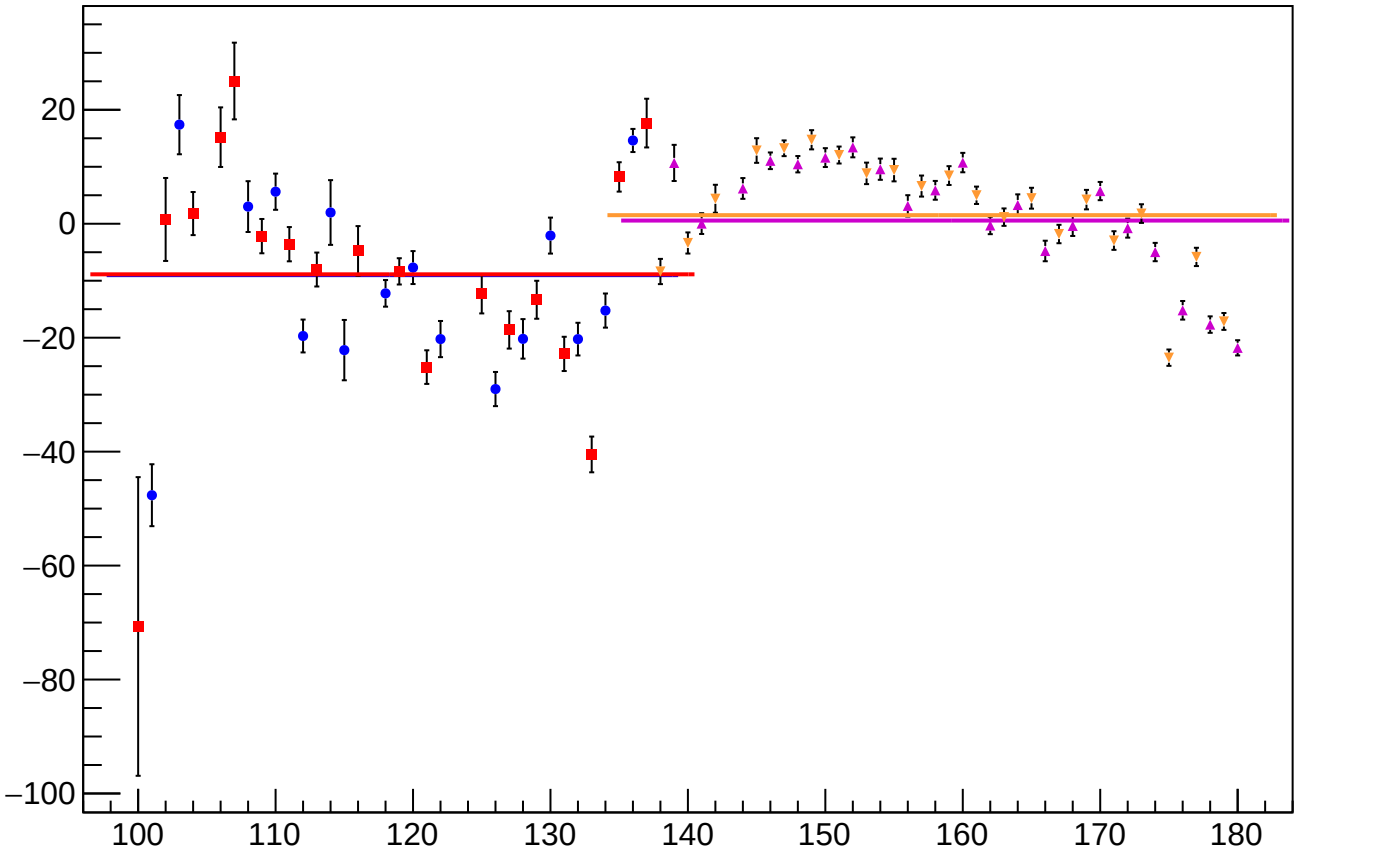
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.412+/-0.420 χ^2/NDF:575.1/20

+ sign -74.485+/-0.377 χ^2/NDF: 6426.4/36

All: -73.170+/-0.263 χ^2/NDF: 12673.3/75

- 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: 1.505+/-0.369 χ^2/NDF:803.5/20

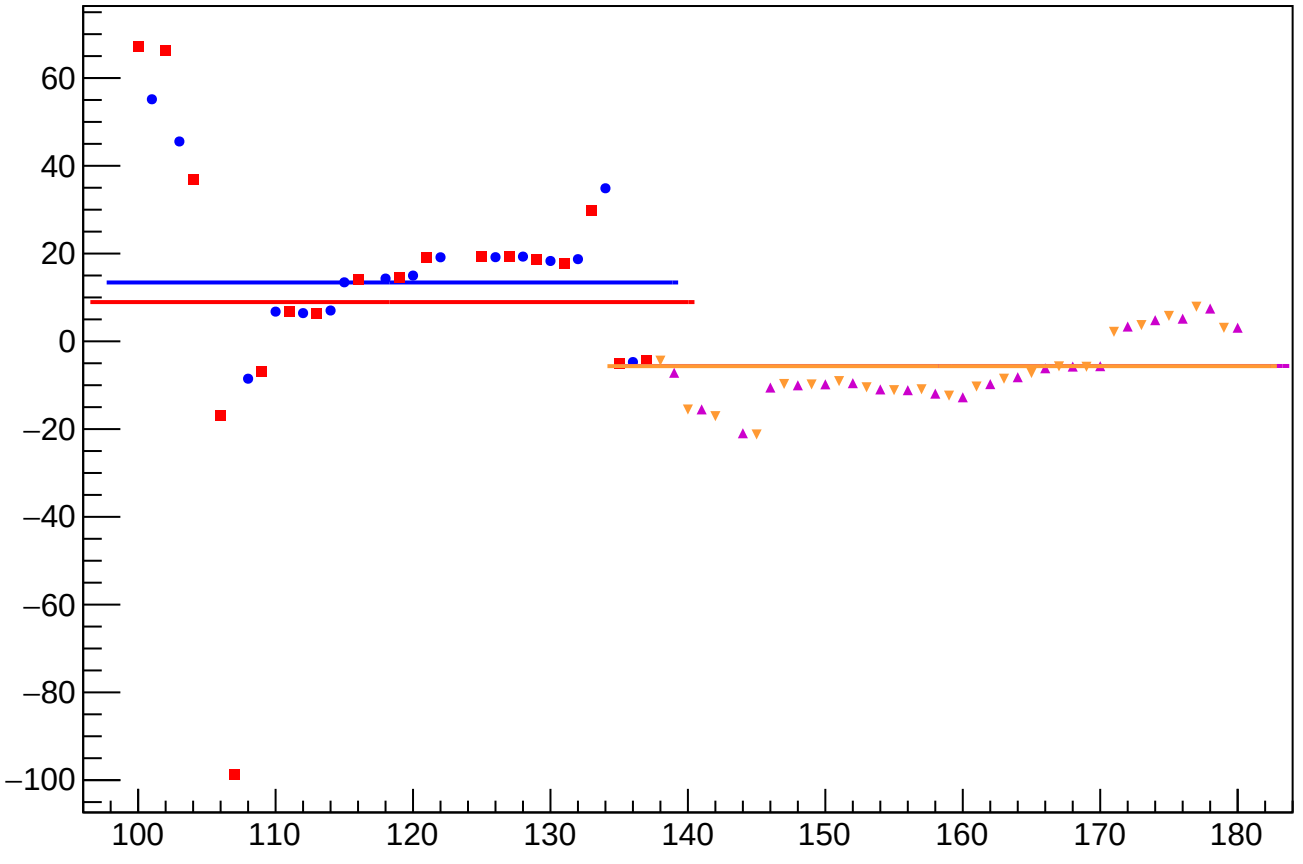
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 0.558+/-0.365 χ^2/NDF:854.4/20

\+ sign -0.355+/-0.334 χ^2/NDF: 1305.6/36

All: -0.695+/-0.236 χ^2/NDF: 2593.5/75

\- 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: -5.658+/-0.017 χ^2/NDF:206792.4/20

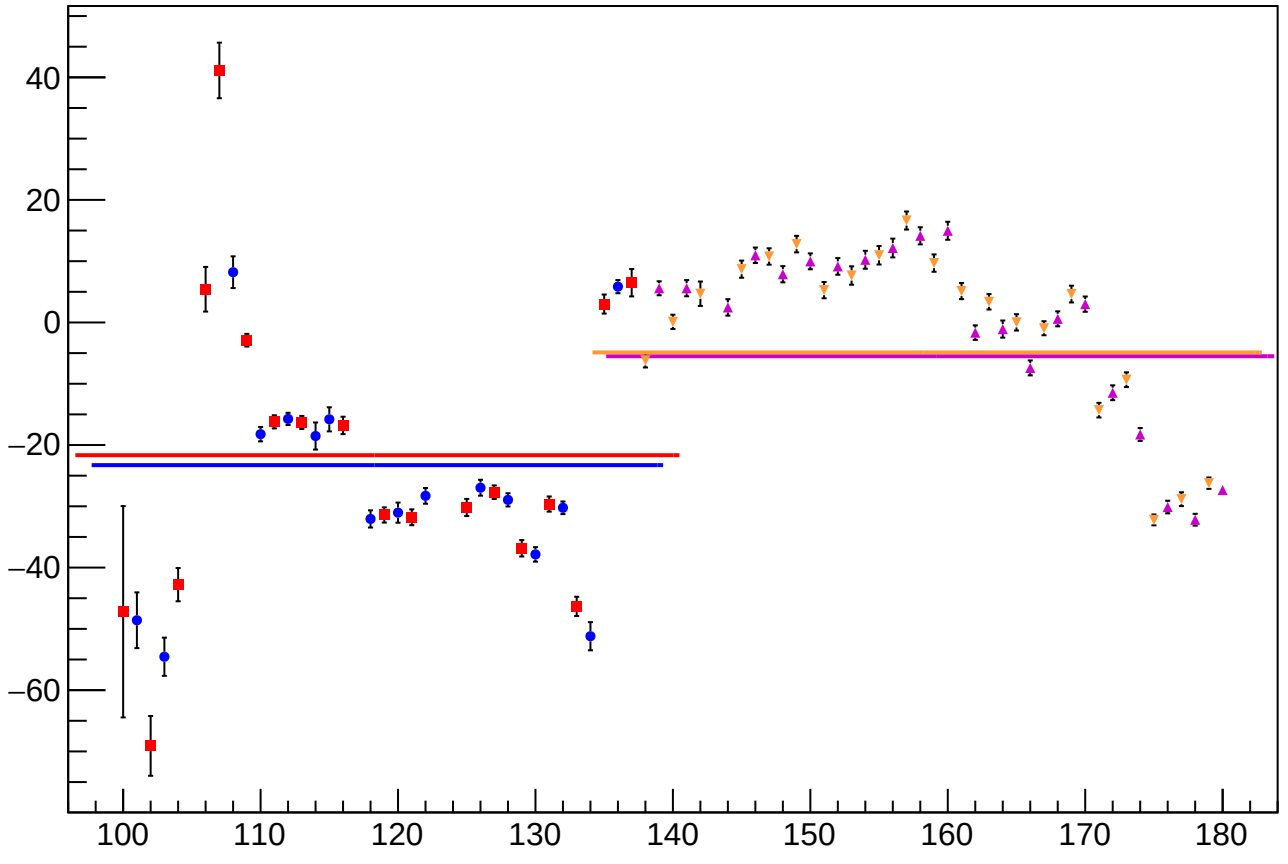
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -5.619+/-0.016 χ^2/NDF:204441.1/20

+ sign -3.413+/-0.016 χ^2/NDF: 546973.8/36

All: -3.769+/-0.011 χ^2/NDF: 1128189.4/75

- sign -4.112+/-0.015 χ^2/NDF: 580183.9/38



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -4.894+/-0.273 χ^2/NDF:3179.2/20

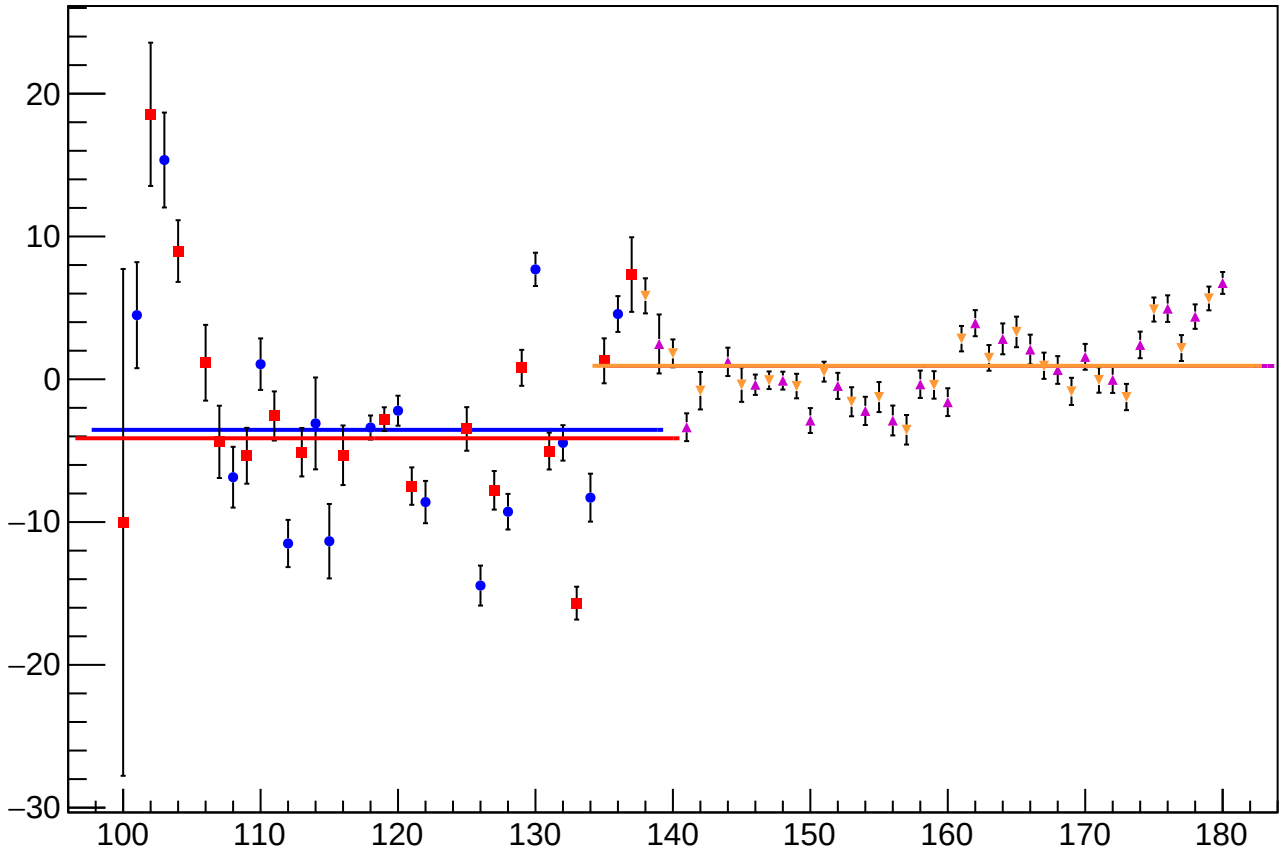
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -5.511+/-0.263 χ^2/NDF:3723.2/20

+ sign -11.840+/-0.215 χ^2/NDF: 6460.4/36

All: -11.611+/-0.150 χ^2/NDF: 13373.8/75

- sign -11.393+/-0.210 χ^2/NDF: 6911.1/38



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.943+/-0.200 χ^2/NDF:132.6/20

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

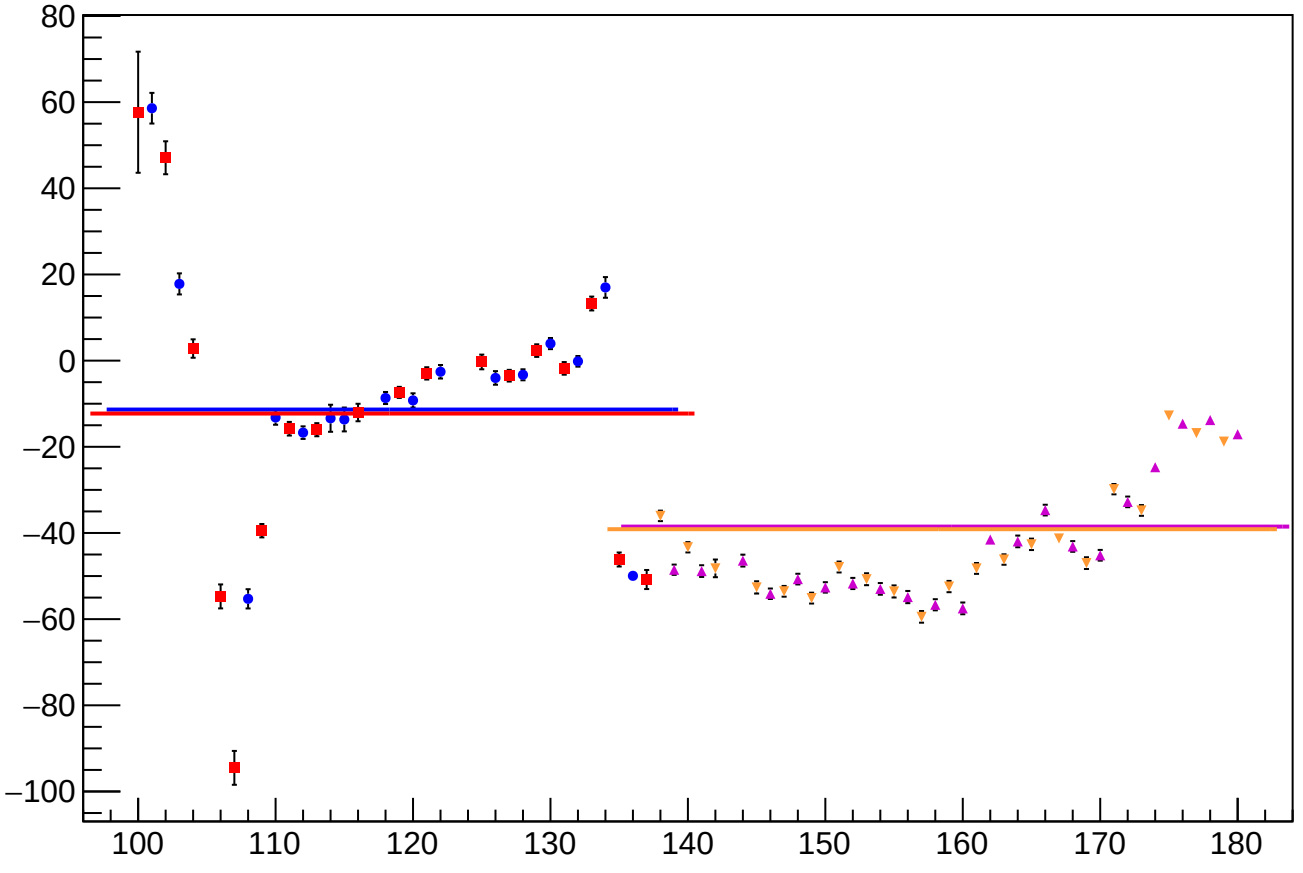
Left In: 0.930+/-0.199 χ^2/NDF:191.4/20

\+ sign -0.101+/-0.175 χ^2/NDF: 566.7/36

All: -0.152+/-0.124 χ^2/NDF: 1130.5/75

\- sign -0.203+/-0.175 χ^2/NDF: 563.7/38

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -39.125+/-0.268 χ^2/NDF:2954.5/20

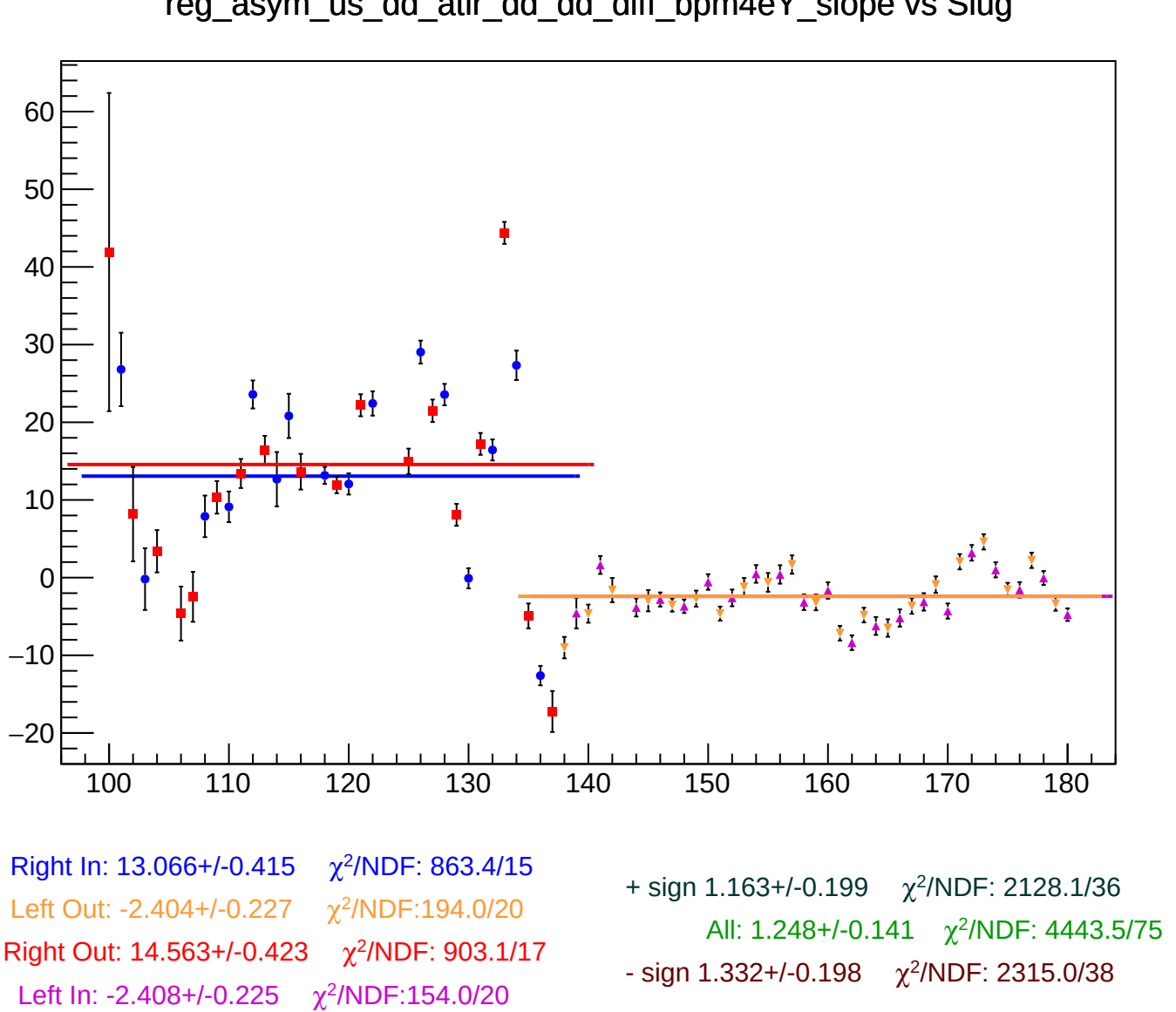
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

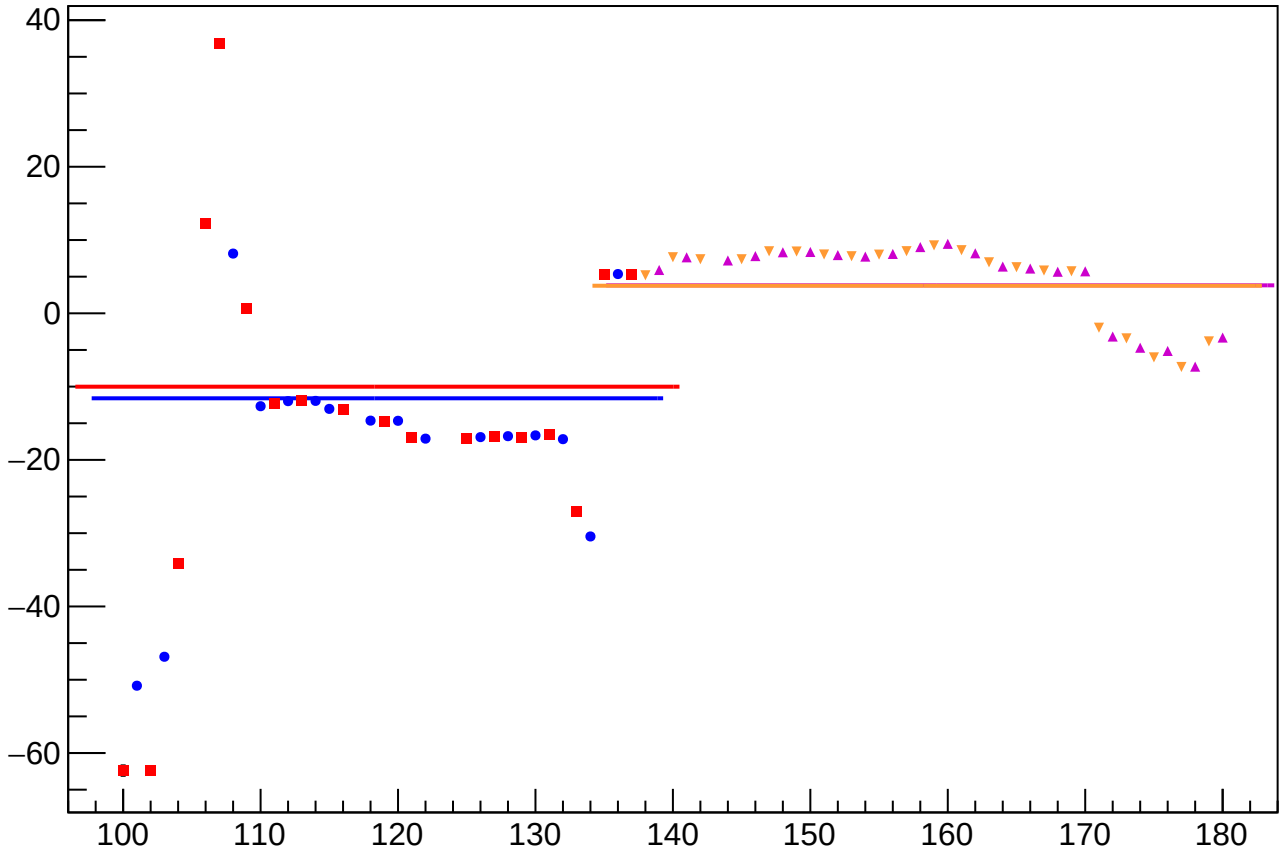
Left In: -38.519+/-0.259 χ^2/NDF:3489.0/20

\+ sign -30.672+/-0.224 χ^2/NDF: 8875.8/36

All: -30.895+/-0.157 χ^2/NDF: 17851.4/75

\- 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: -2.404+/-0.227 χ²/NDF:194.0/20
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -2.408+/-0.225 χ²/NDF:154.0/20
+ sign 1.163+/-0.199 χ²/NDF: 2128.1/36
All: 1.248+/-0.141 χ²/NDF: 4443.5/75
- sign 1.332+/-0.198 χ²/NDF: 2315.0/38



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 3.764+/-0.010 χ^2/NDF:314834.6/20

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

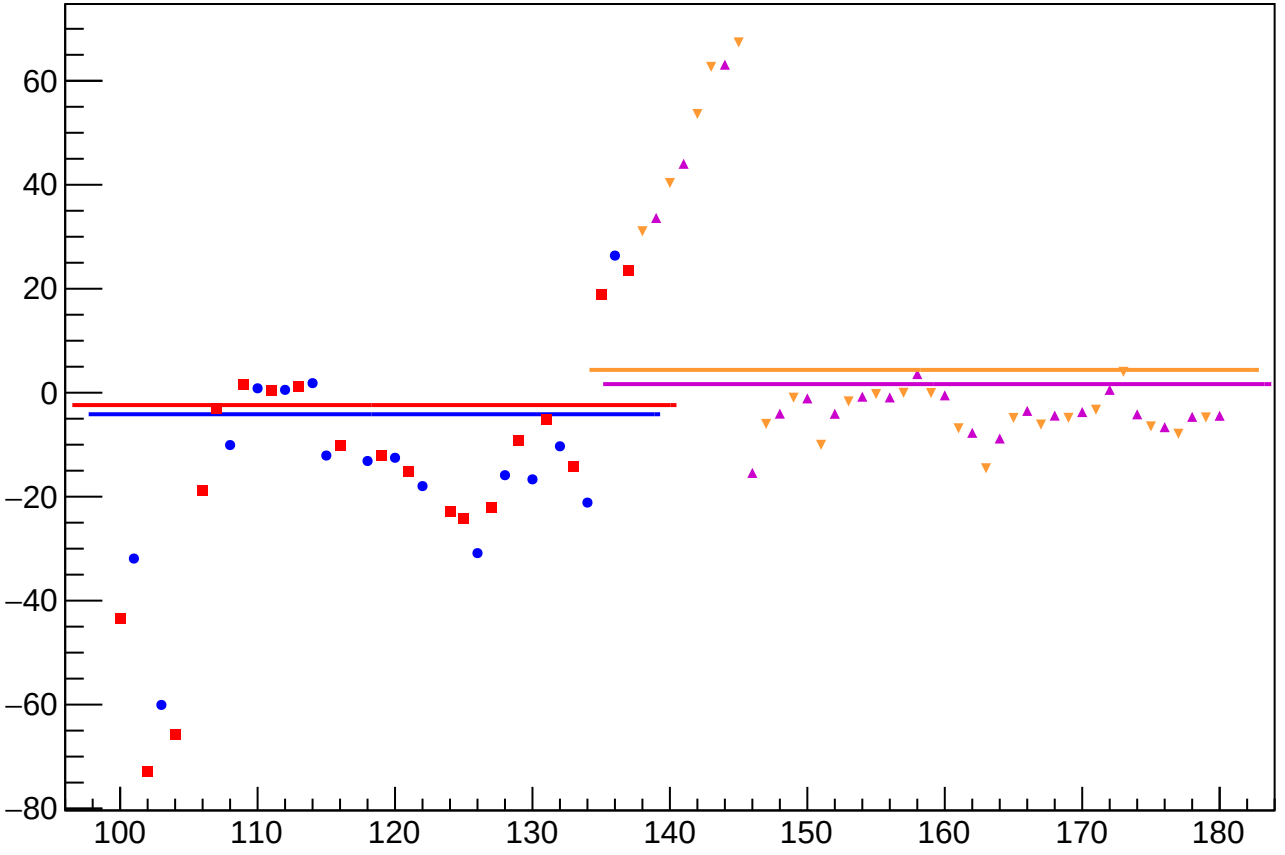
Left In: 3.818+/-0.010 χ^2/NDF:327153.0/20

+ sign 1.757+/-0.010 χ^2/NDF: 971659.6/36

All: 1.991+/-0.007 χ^2/NDF: 1920820.5/75

- 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: 4.388+/-0.048 χ^2/NDF:170966.2/21

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

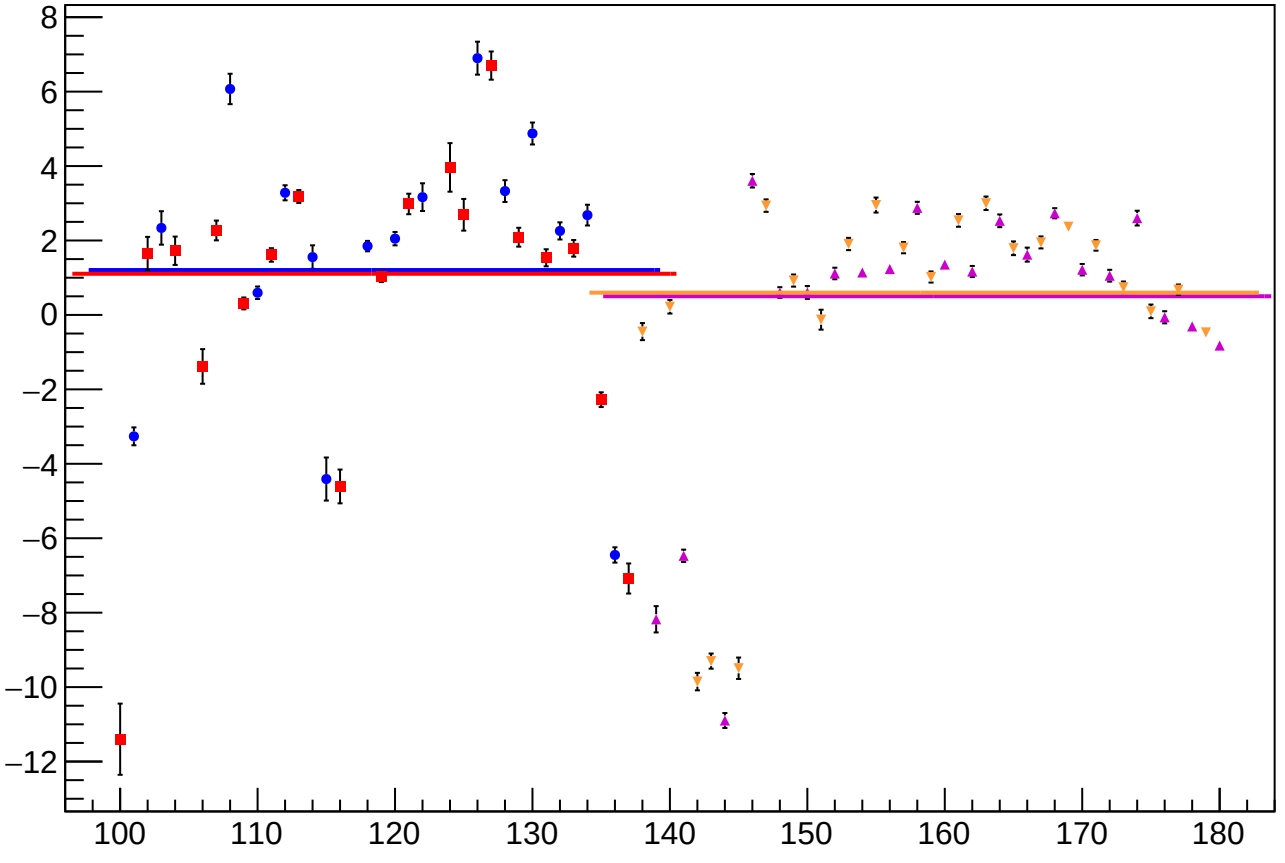
Left In: 1.651+/-0.043 χ^2/NDF:130731.6/20

+ sign 0.655+/-0.036 χ^2/NDF: 259928.3/37

All: 0.151+/-0.024 χ^2/NDF: 475823.0/77

- 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: 0.598+/-0.036 χ^2/NDF:6816.6/21

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

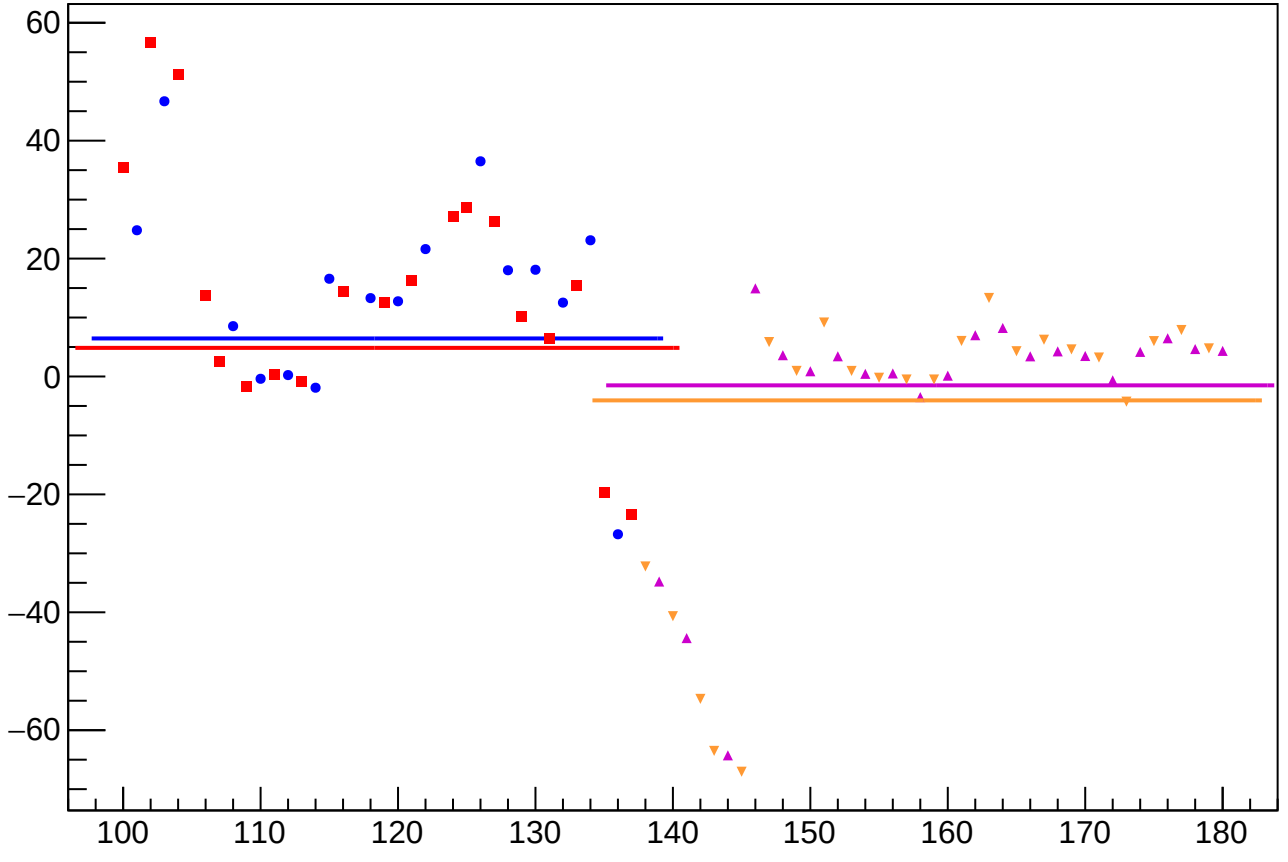
Left In: 0.502+/-0.033 χ^2/NDF:7002.6/20

+ sign 0.761+/-0.031 χ^2/NDF: 9475.2/37

All: 0.701+/-0.021 χ^2/NDF: 18155.3/77

- 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: -4.054+/-0.048 χ^2/NDF:165461.2/21

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

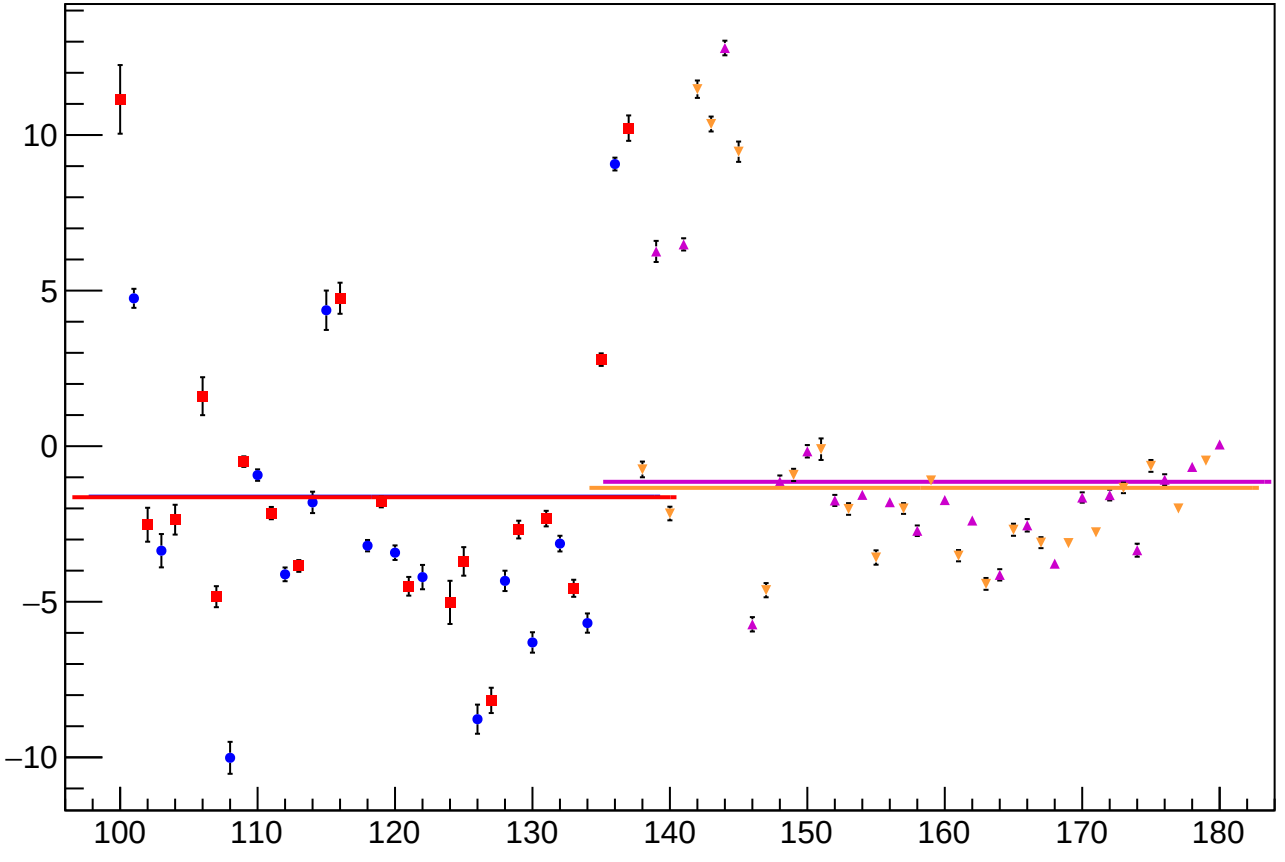
Left In: -1.505+/-0.042 χ^2/NDF:127537.0/20

+ sign -0.411+/-0.038 χ^2/NDF: 253092.6/37

All: 0.173+/-0.026 χ^2/NDF: 463967.5/77

- 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: -1.339+/-0.041 χ^2/NDF:6780.2/21

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

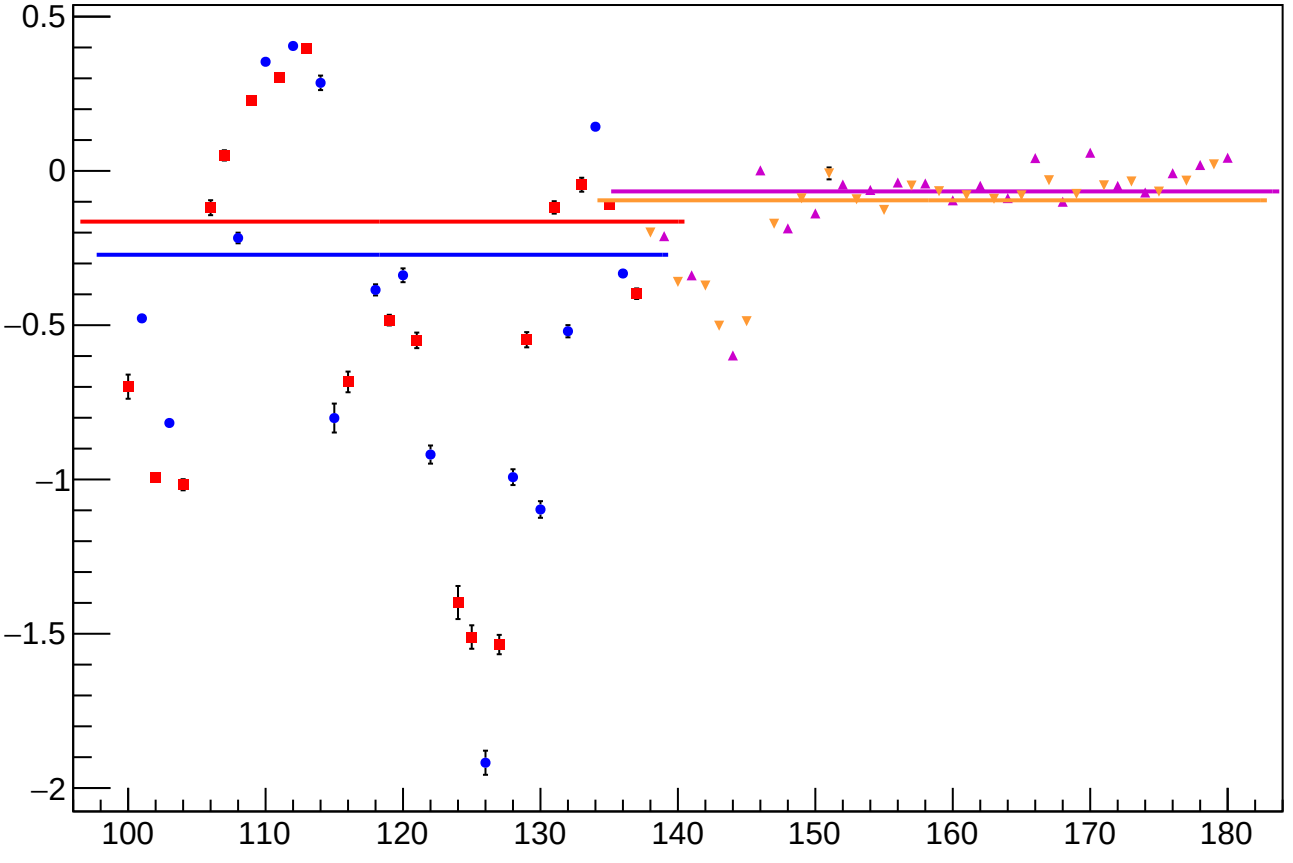
Left In: -1.145+/-0.037 χ^2/NDF:6938.1/20

+ sign -1.411+/-0.035 χ^2/NDF: 11317.7/37

All: -1.331+/-0.024 χ^2/NDF: 20772.0/77

- sign -1.265+/-0.032 χ^2/NDF: 9444.8/39

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.095+/-0.002 χ^2/NDF:3986.7/21

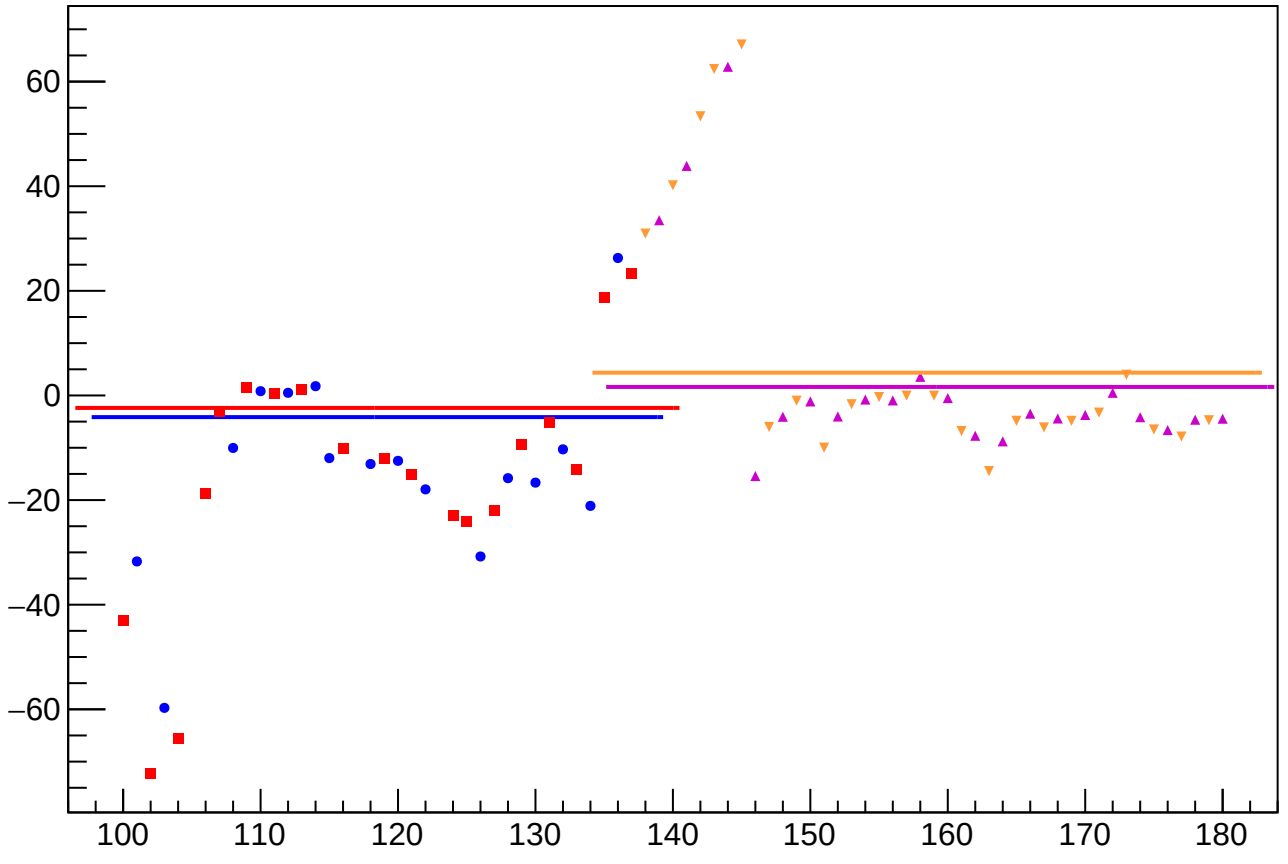
Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.066+/-0.002 χ^2/NDF:4328.5/20

+ sign -0.123+/-0.002 χ^2/NDF: 17558.0/37

All: -0.099+/-0.001 χ^2/NDF: 38320.4/77

- sign -0.081+/-0.001 χ^2/NDF: 20393.0/39



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 4.356+/-0.048 χ^2/NDF:170729.3/21

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

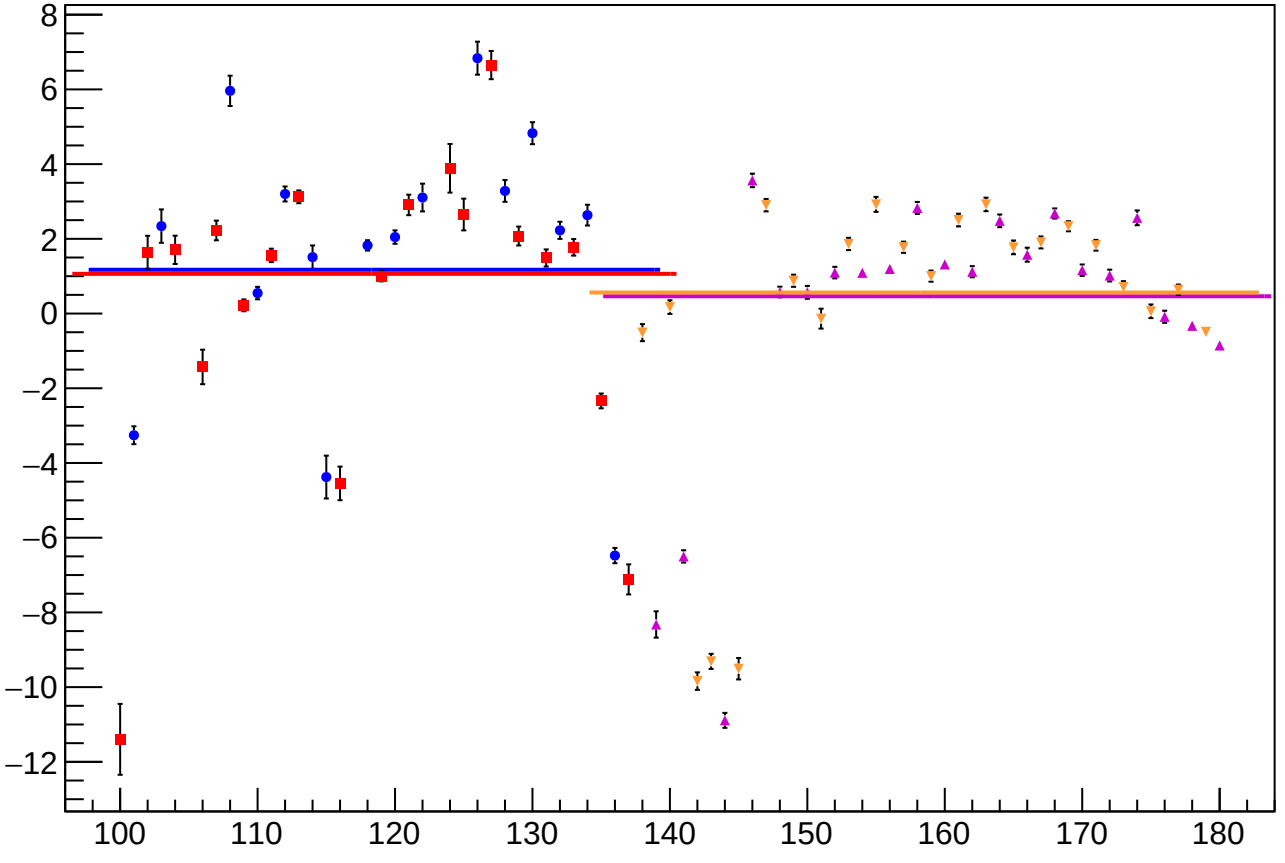
Left In: 1.627+/-0.043 χ^2/NDF:130616.8/20

+ sign 0.629+/-0.036 χ^2/NDF: 259682.6/37

All: 0.129+/-0.024 χ^2/NDF: 475366.1/77

- 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: 0.564+/-0.036 χ^2/NDF:6819.4/21

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

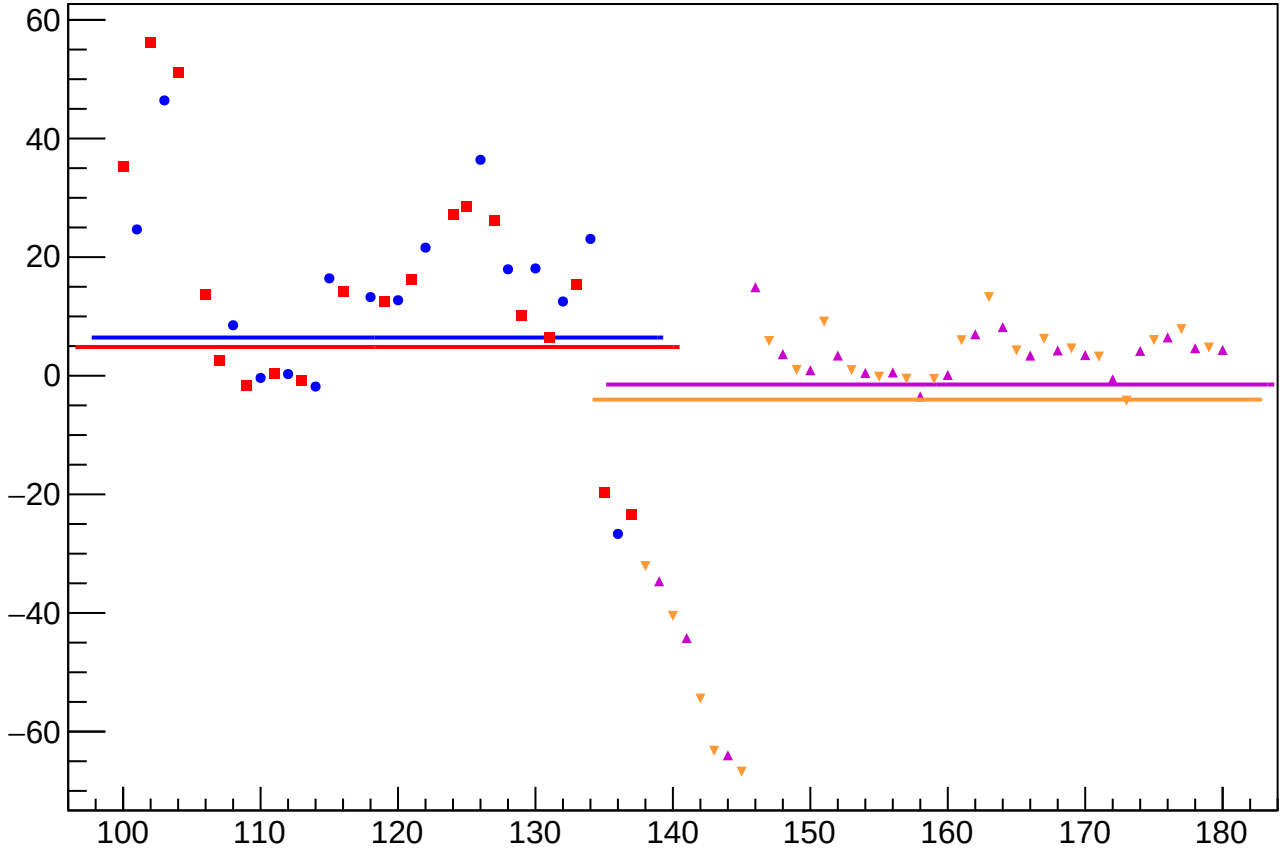
Left In: 0.463+/-0.033 χ^2/NDF:7015.5/20

+ sign 0.726+/-0.031 χ^2/NDF: 9479.0/37

All: 0.664+/-0.021 χ^2/NDF: 18181.8/77

- 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: -4.023+/-0.047 χ^2/NDF:165230.0/21

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

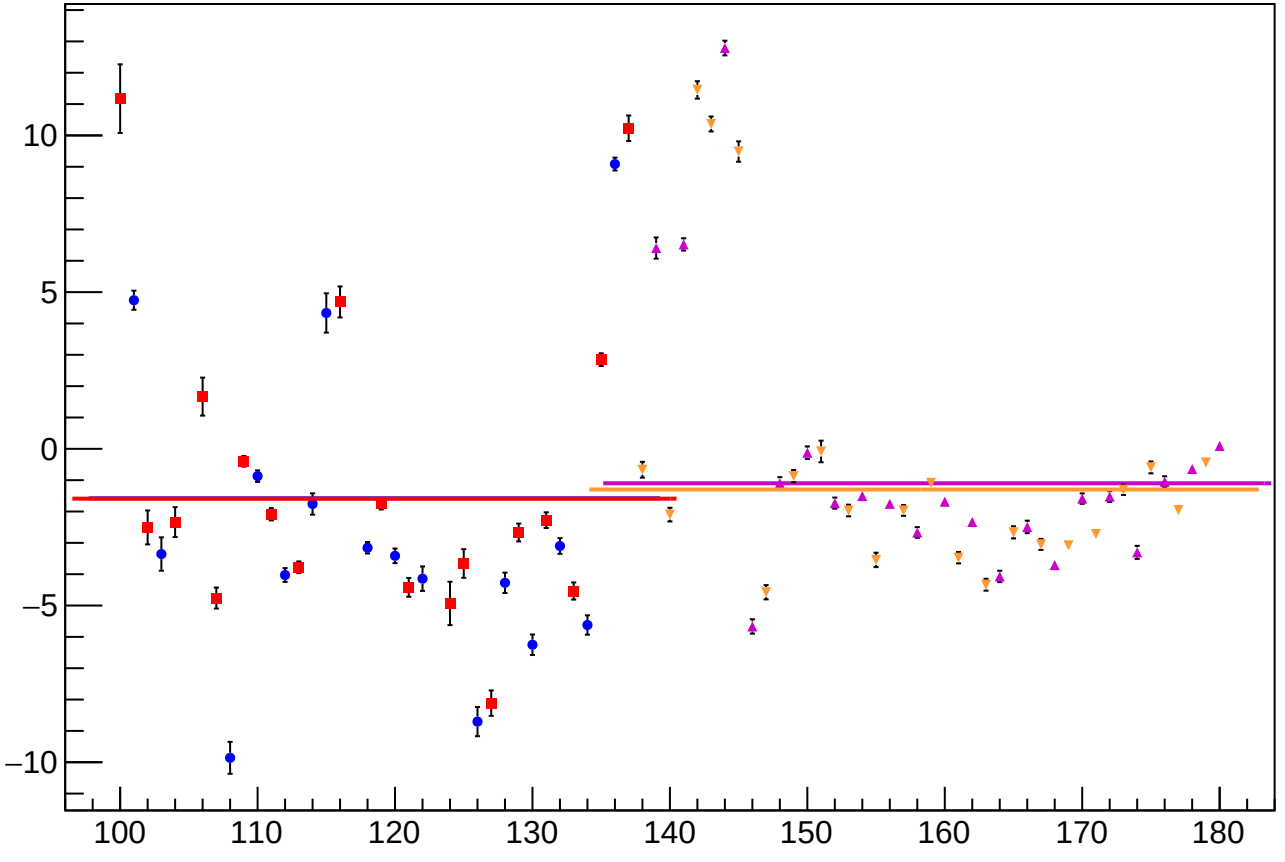
Left In: -1.481+/-0.042 χ^2/NDF:127422.3/20

+ sign -0.385+/-0.038 χ^2/NDF: 252847.5/37

All: 0.197+/-0.026 χ^2/NDF: 463501.0/77

- 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: -1.298+/-0.041 χ^2/NDF:6777.9/21

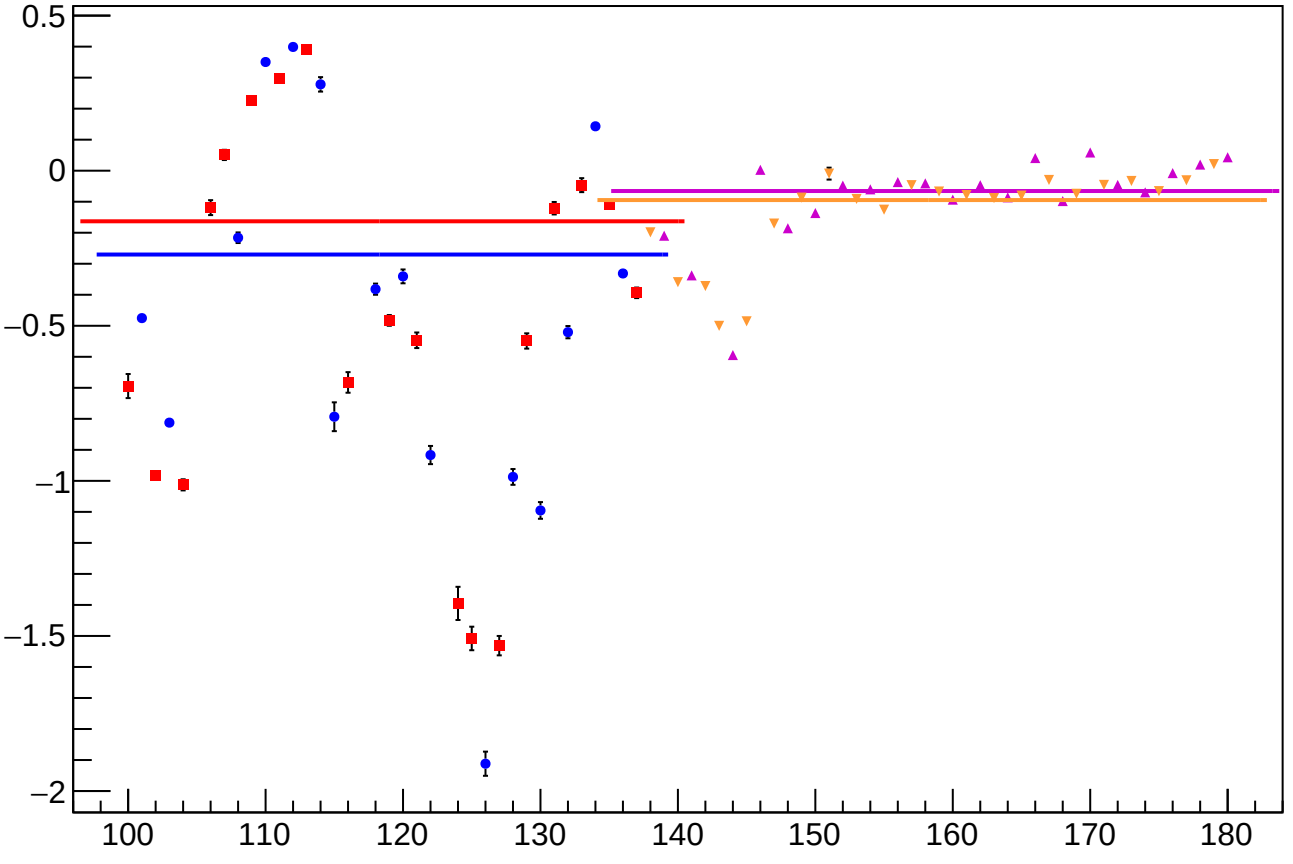
Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.099+/-0.037 χ^2/NDF:6950.8/20

+ sign -1.370+/-0.035 χ^2/NDF: 11314.5/37

All: -1.287+/-0.024 χ^2/NDF: 20791.8/77

- 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: -0.095+/-0.002 χ^2/NDF:4005.6/21

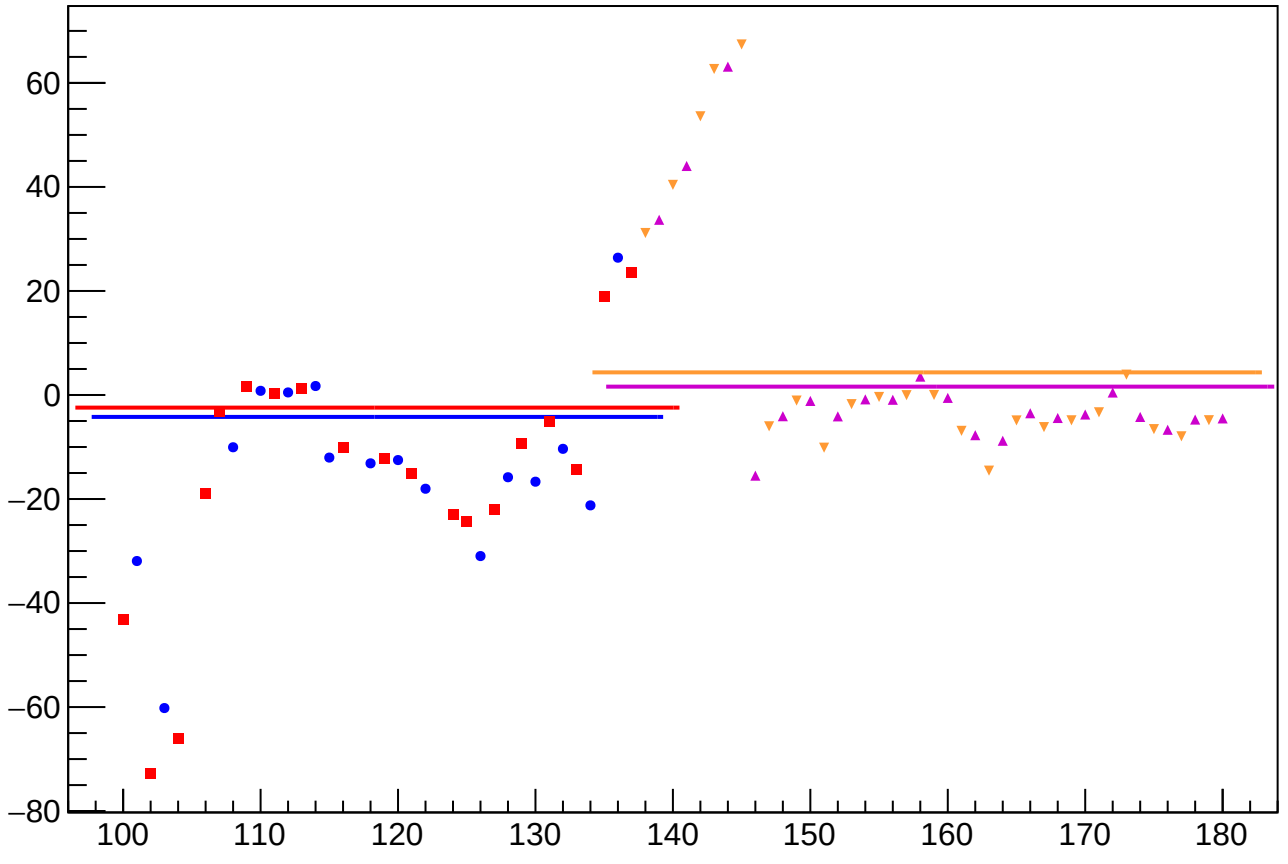
Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.066+/-0.002 χ^2/NDF:4309.3/20

+ sign -0.122+/-0.002 χ^2/NDF: 17565.7/37

All: -0.098+/-0.001 χ^2/NDF: 38330.0/77

- sign -0.080+/-0.001 χ^2/NDF: 20388.7/39



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 4.349+/-0.048 χ^2/NDF:171150.3/21

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

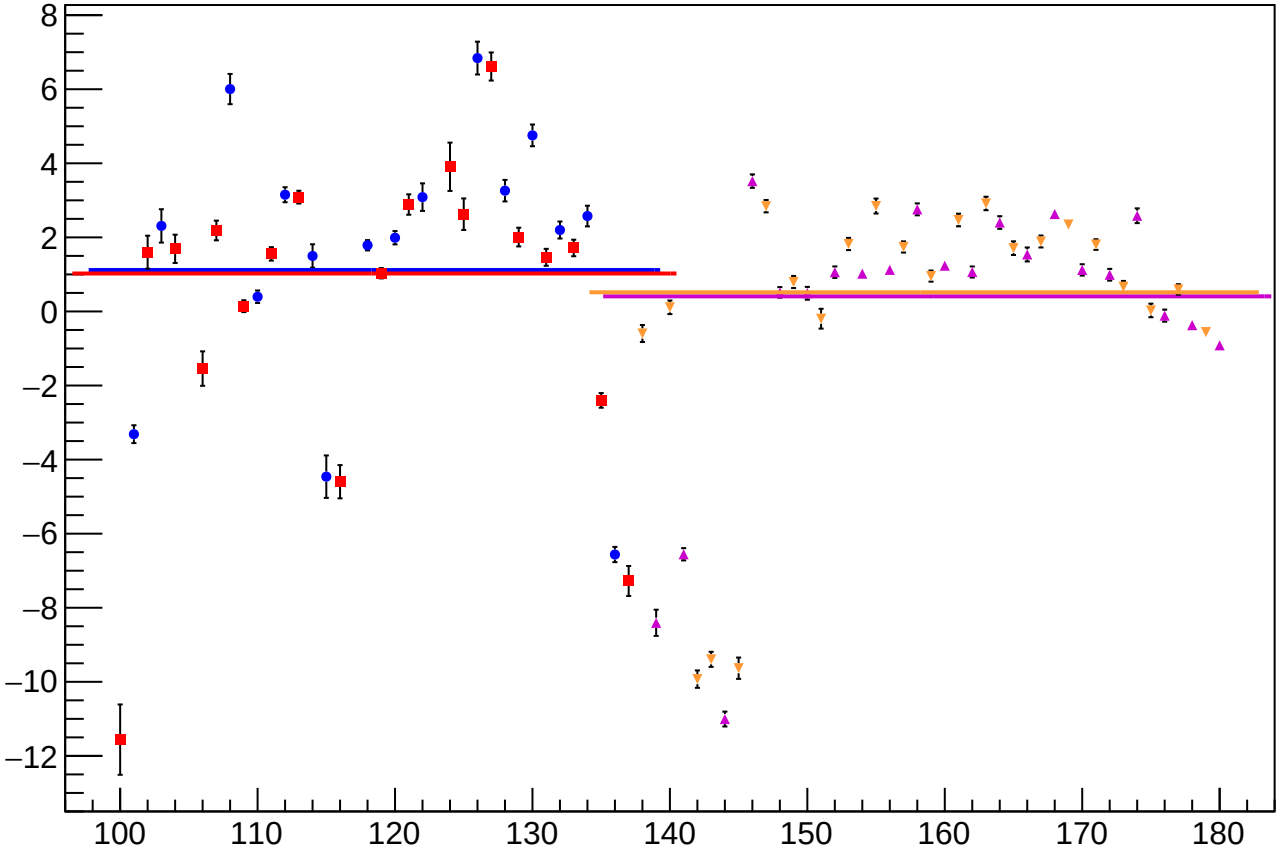
Left In: 1.606+/-0.043 χ^2/NDF:130791.9/20

+ sign 0.601+/-0.036 χ^2/NDF: 260141.7/37

All: 0.102+/-0.024 χ^2/NDF: 476058.2/77

- 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: 0.518+/-0.036 χ^2/NDF:6843.0/21

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

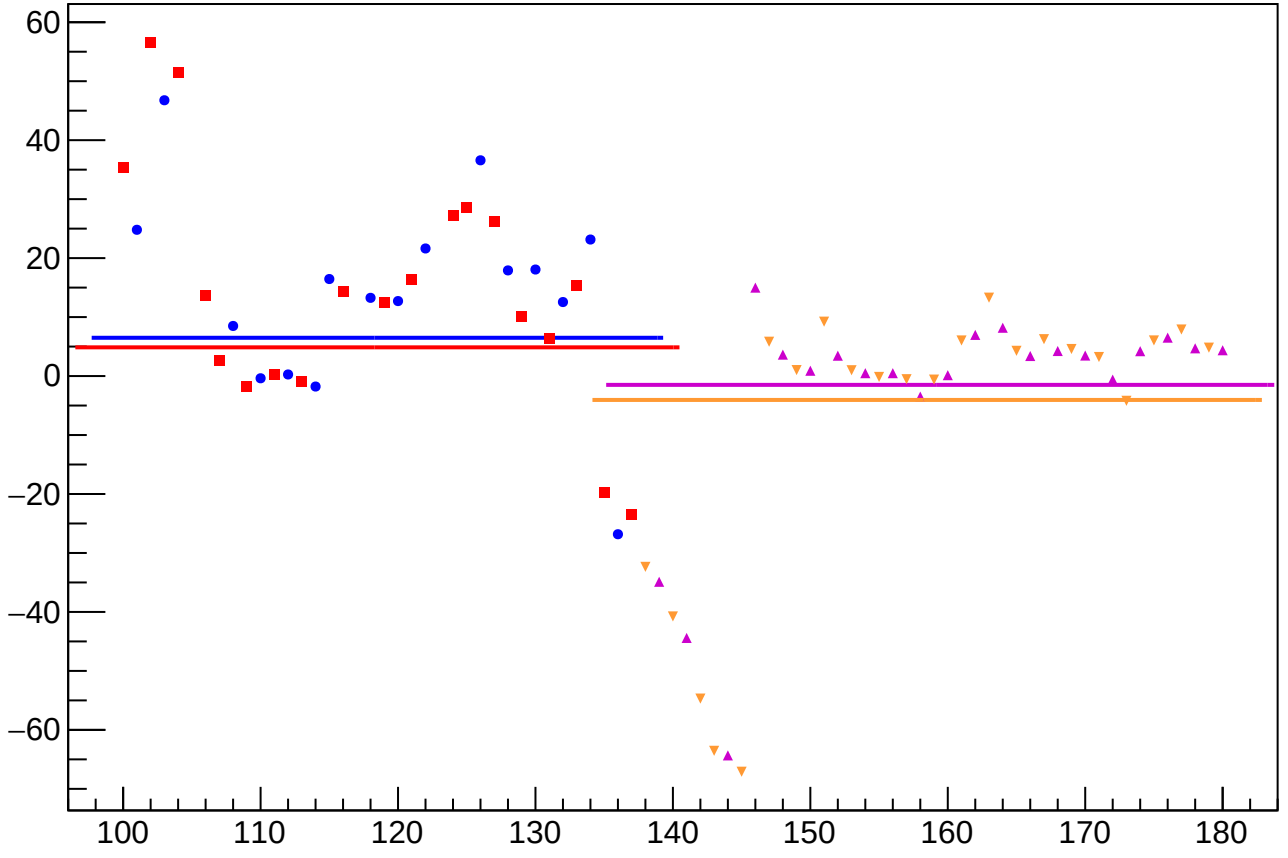
Left In: 0.408+/-0.033 χ^2/NDF:6998.8/20

+ sign 0.678+/-0.031 χ^2/NDF: 9507.0/37

All: 0.615+/-0.021 χ^2/NDF: 18212.6/77

- 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: -4.050+/-0.048 χ^2/NDF:165645.1/21

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

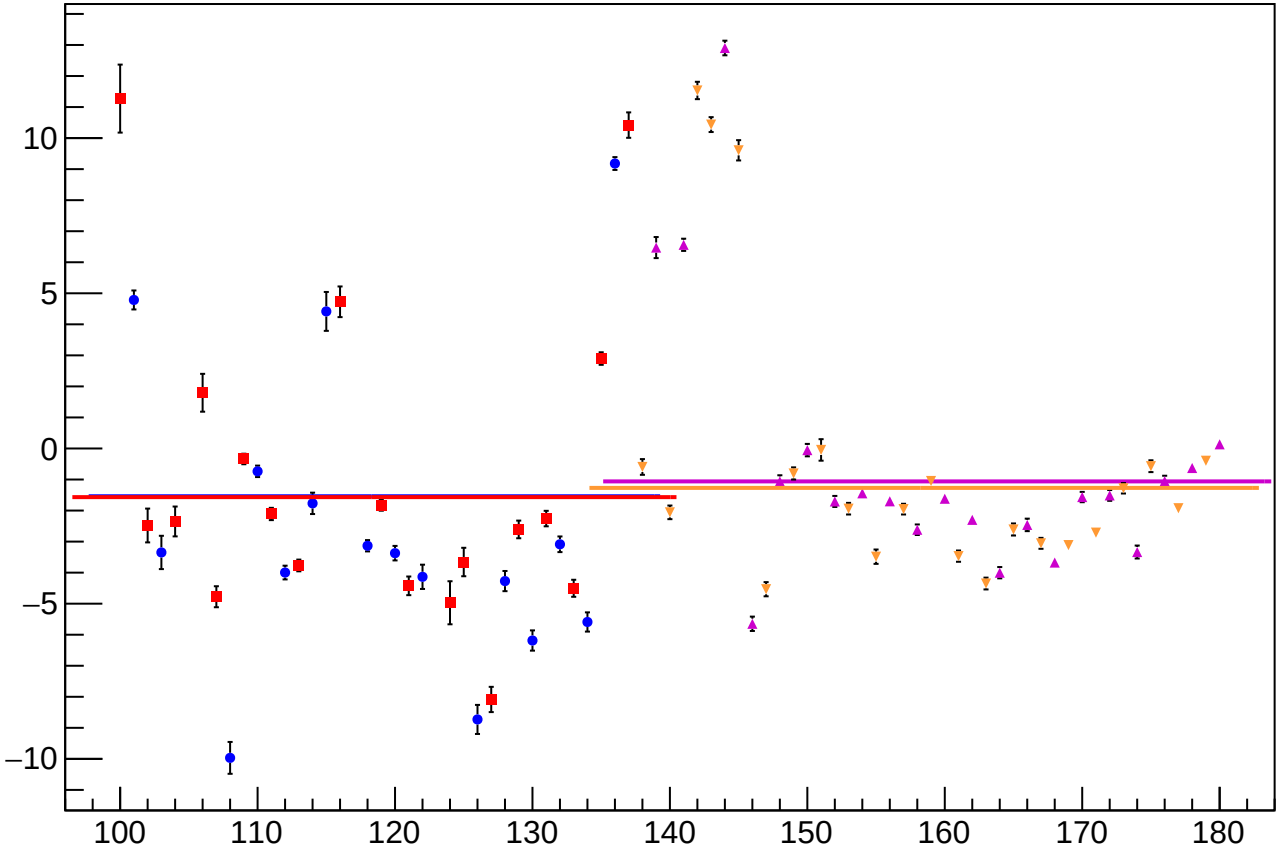
Left In: -1.495+/-0.042 χ^2/NDF:127606.3/20

+ sign -0.391+/-0.038 χ^2/NDF: 253325.3/37

All: 0.189+/-0.026 χ^2/NDF: 464262.4/77

- 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: -1.270+/-0.041 χ^2/NDF:6803.1/21

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

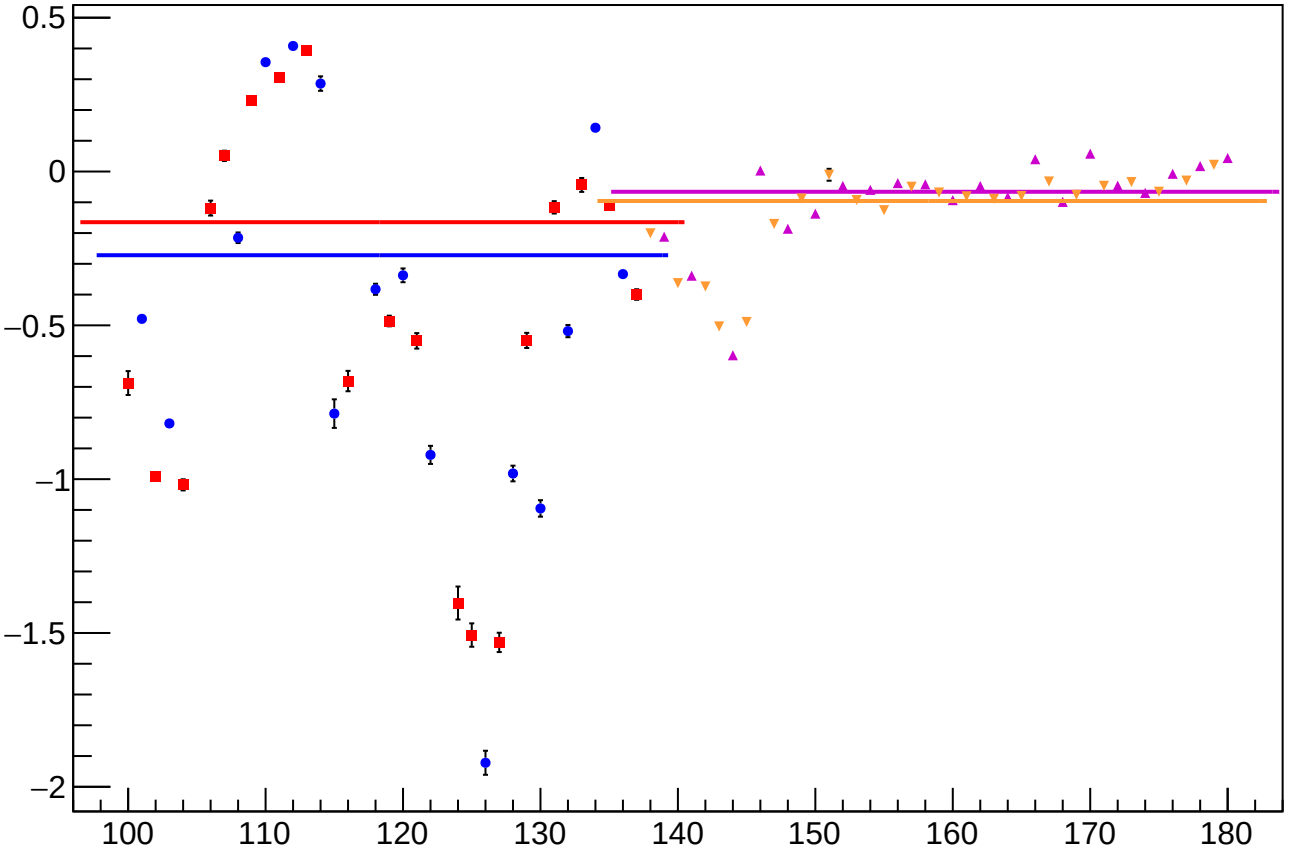
Left In: -1.060+/-0.037 χ^2/NDF:6939.5/20

+ sign -1.339+/-0.035 χ^2/NDF: 11350.2/37

All: -1.254+/-0.024 χ^2/NDF: 20843.9/77

- 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: -0.096+/-0.002 χ^2/NDF:4020.6/21

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

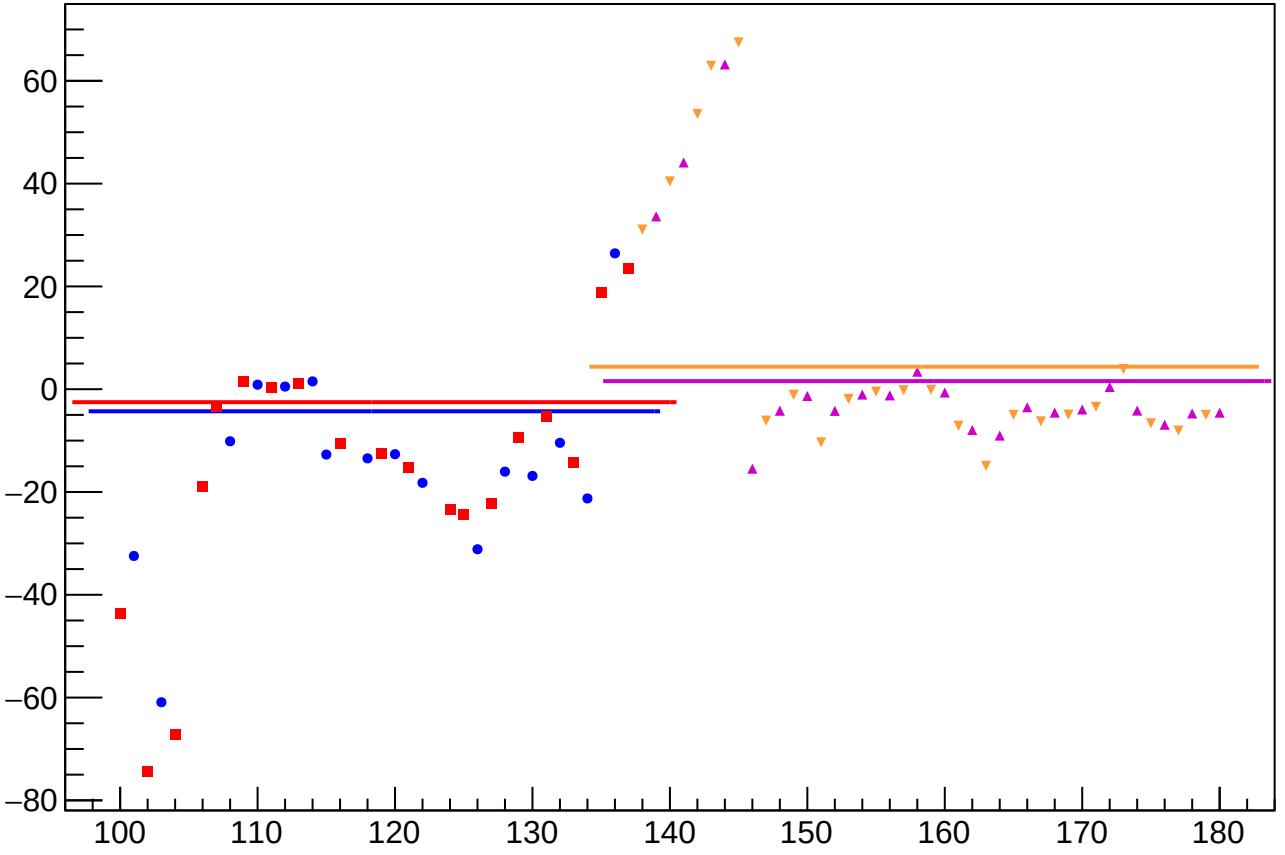
Left In: -0.066+/-0.002 χ^2/NDF:4301.0/20

+ sign -0.123+/-0.002 χ^2/NDF: 17603.3/37

All: -0.099+/-0.001 χ^2/NDF: 38357.5/77

- 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: 4.376+/-0.049 χ^2/NDF:168758.5/21

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

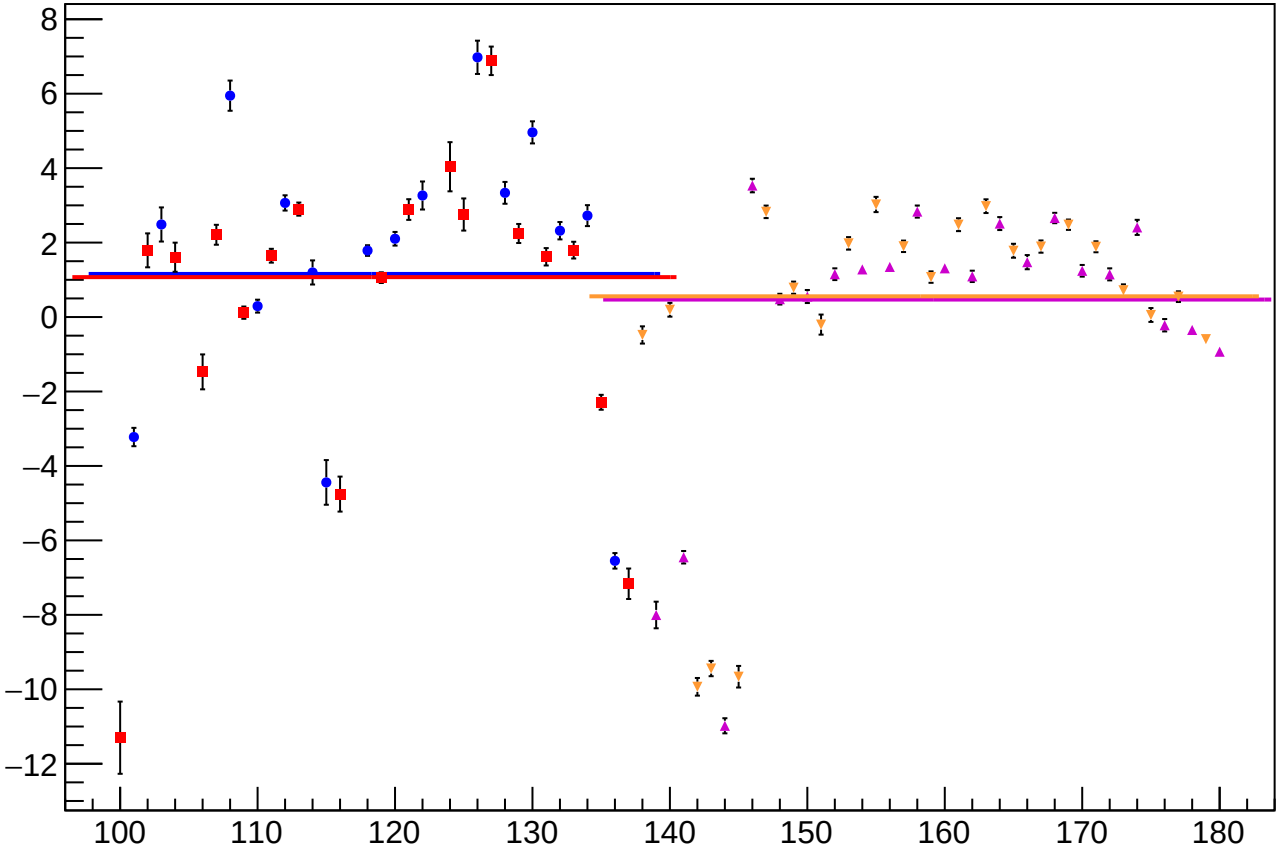
Left In: 1.577+/-0.044 χ^2/NDF:128705.1/20

+ sign 0.591+/-0.037 χ^2/NDF: 256618.9/37

All: 0.069+/-0.024 χ^2/NDF: 469595.8/77

- 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: 0.557+/-0.037 χ^2/NDF:6833.7/21

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

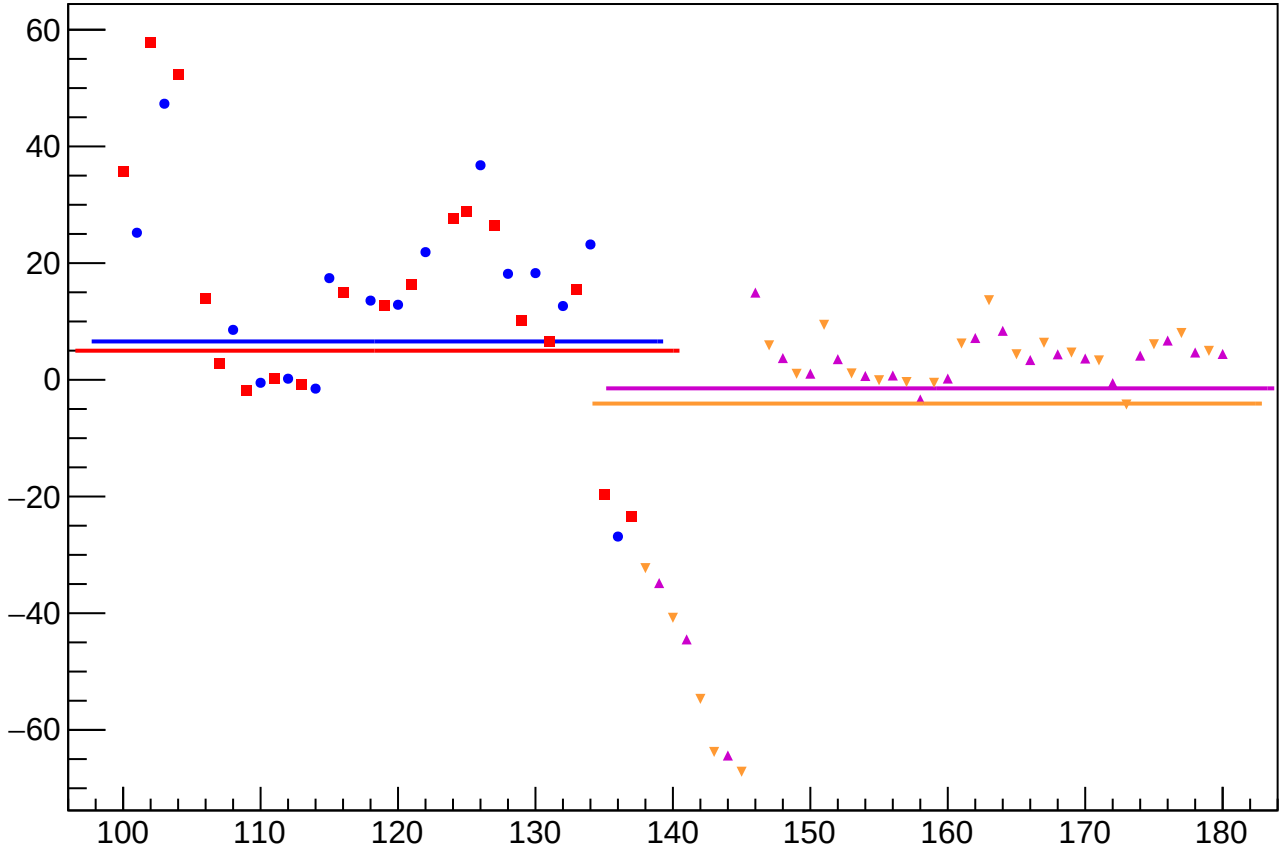
Left In: 0.470+/-0.034 χ^2/NDF:6837.0/20

+ sign 0.717+/-0.032 χ^2/NDF: 9453.7/37

All: 0.664+/-0.021 χ^2/NDF: 17927.4/77

- sign 0.619+/-0.029 χ^2/NDF: 8468.6/39

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -4.070+/-0.048 χ^2/NDF:163333.8/21

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

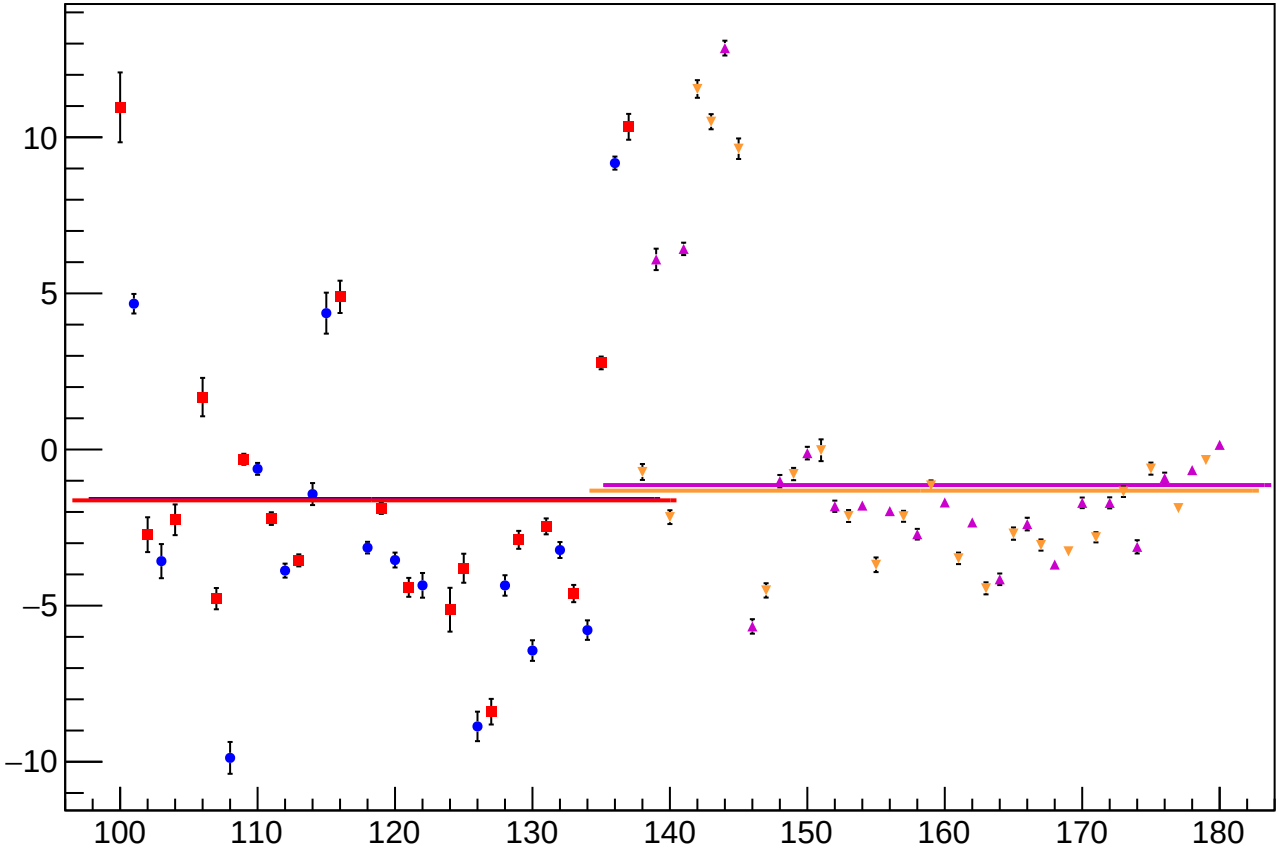
Left In: -1.463+/-0.043 χ^2/NDF:125546.0/20

+ sign -0.383+/-0.039 χ^2/NDF: 249878.4/37

All: 0.224+/-0.026 χ^2/NDF: 457886.0/77

- 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: -1.317+/-0.041 χ^2/NDF:6784.9/21

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

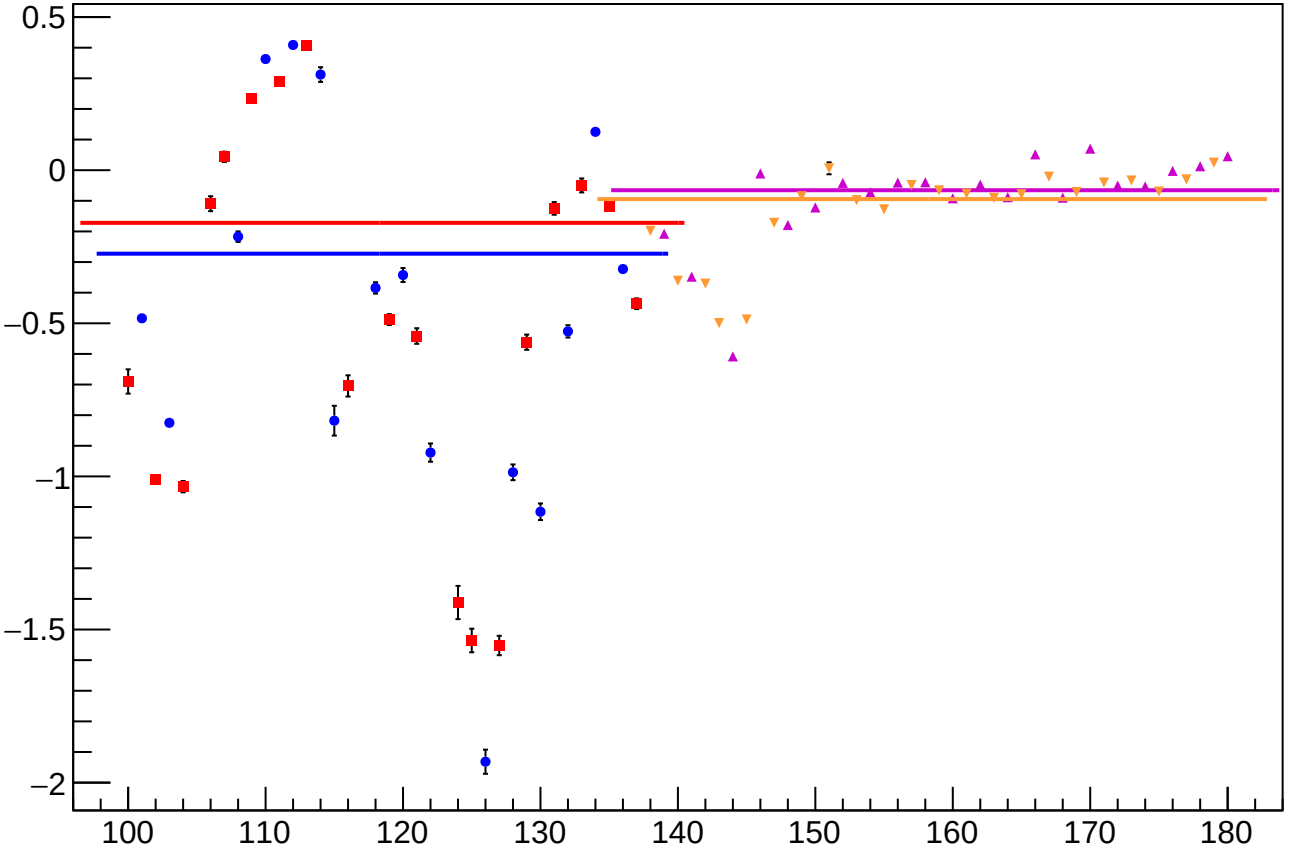
Left In: -1.139+/-0.037 χ^2/NDF:6755.7/20

+ sign -1.386+/-0.036 χ^2/NDF: 11268.3/37

All: -1.316+/-0.024 χ^2/NDF: 20495.0/77

- 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: -0.094+/-0.002 χ^2/NDF:3956.0/21

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

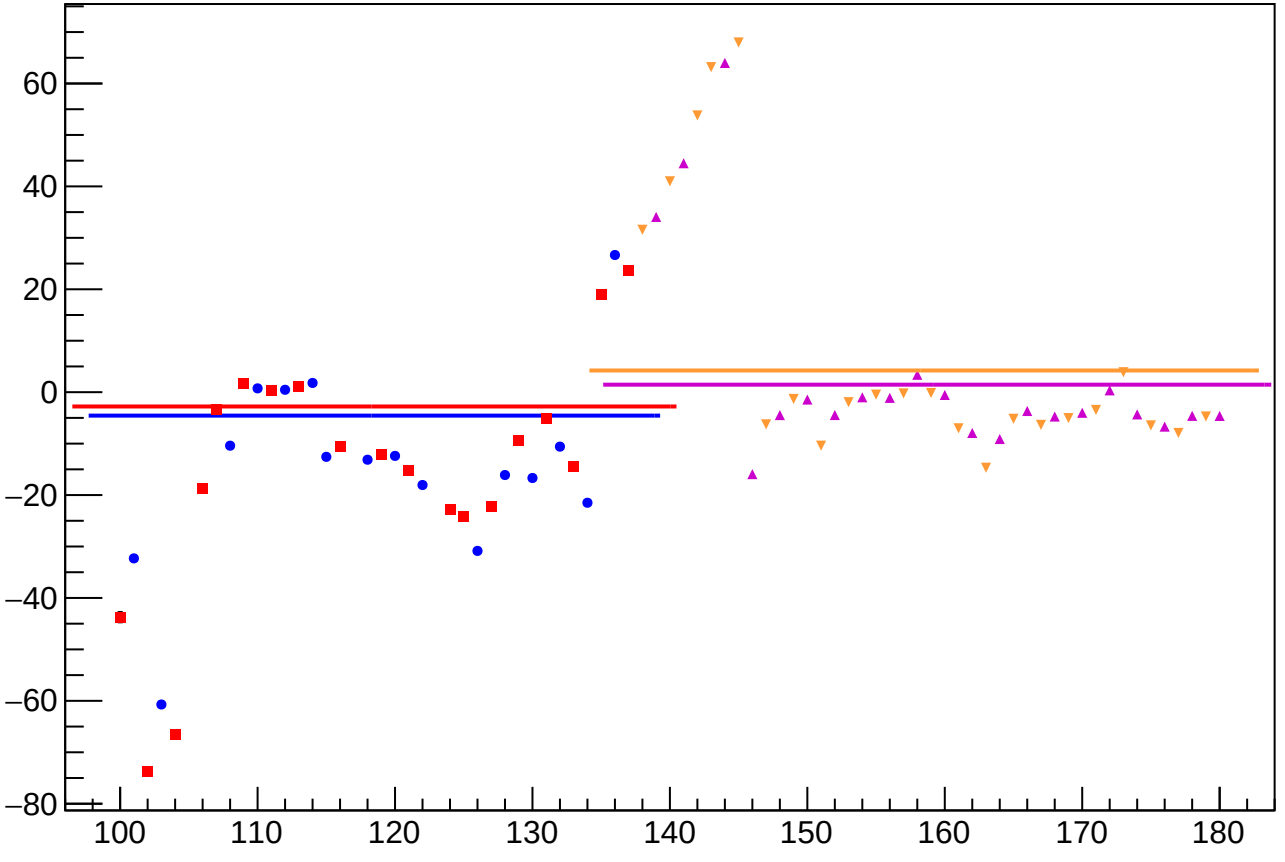
Left In: -0.065+/-0.002 χ^2/NDF:4344.4/20

+ sign -0.122+/-0.002 χ^2/NDF: 17318.0/37

All: -0.099+/-0.001 χ^2/NDF: 37972.3/77

- 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: 4.214+/-0.049 χ^2/NDF:166215.5/21

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

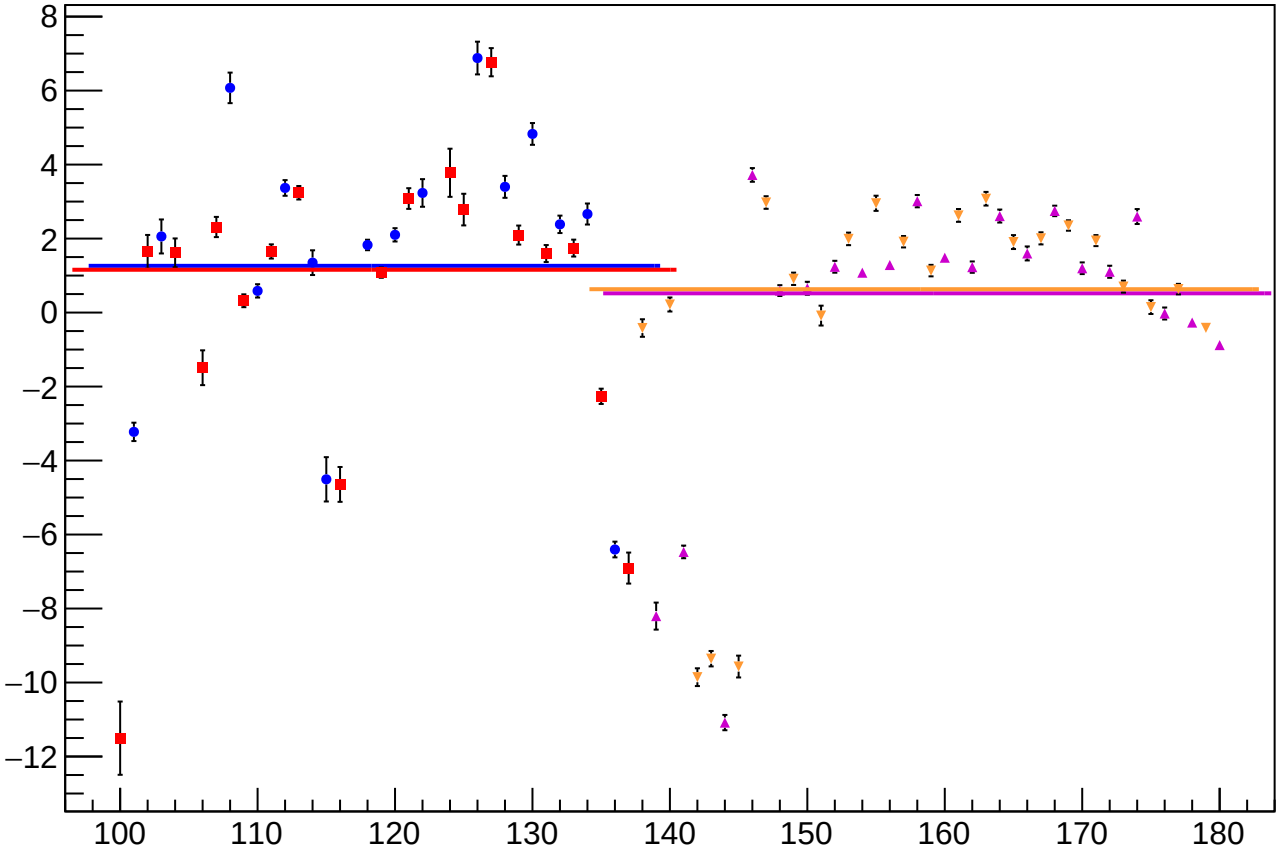
Left In: 1.456+/-0.044 χ^2/NDF:127241.2/20

+ sign 0.442+/-0.037 χ^2/NDF: 252442.4/37

All: -0.075+/-0.025 χ^2/NDF: 462080.2/77

- 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: 0.632+/-0.037 χ^2/NDF:6606.8/21

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

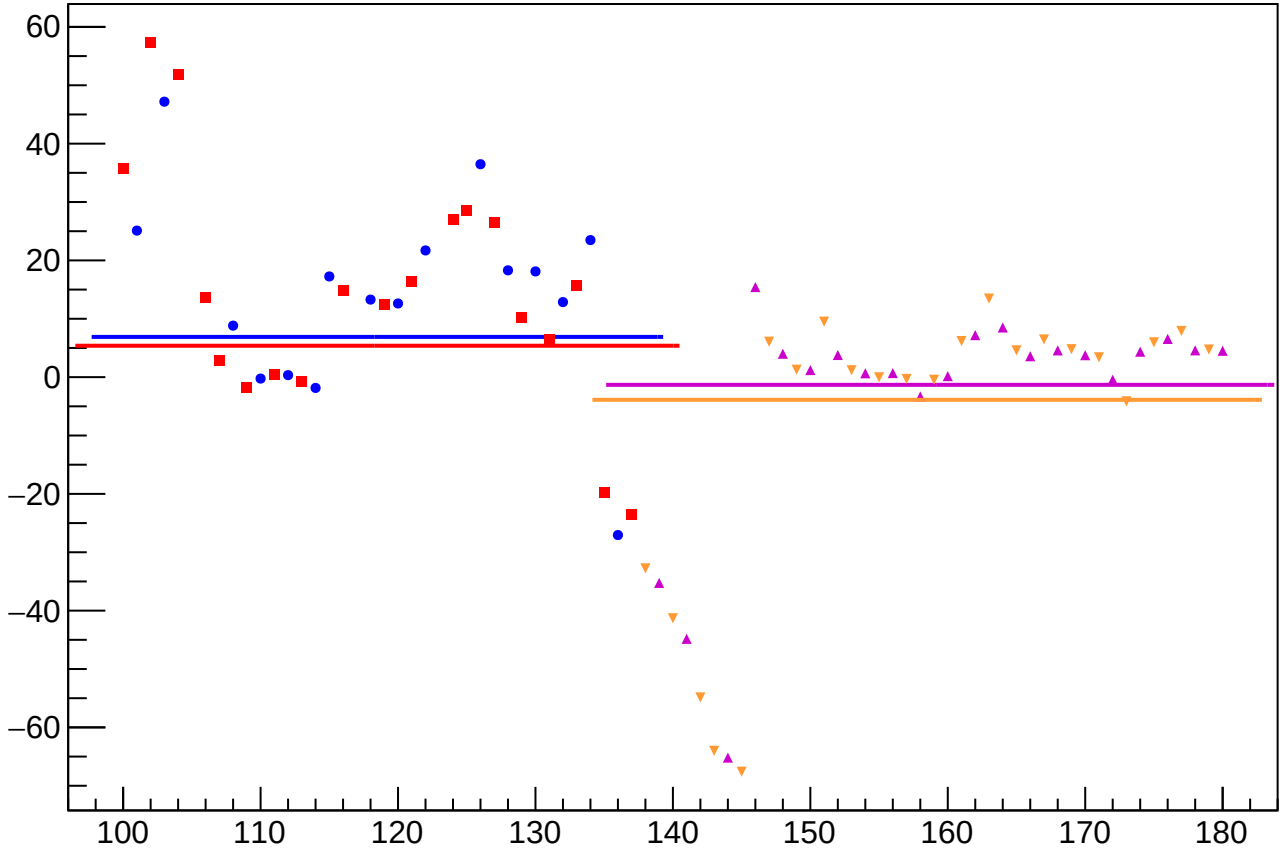
Left In: 0.520+/-0.034 χ^2/NDF:6791.3/20

+ sign 0.799+/-0.032 χ^2/NDF: 9126.7/37

All: 0.734+/-0.022 χ^2/NDF: 17503.7/77

- 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: -3.880+/-0.049 χ^2/NDF:160743.5/21

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

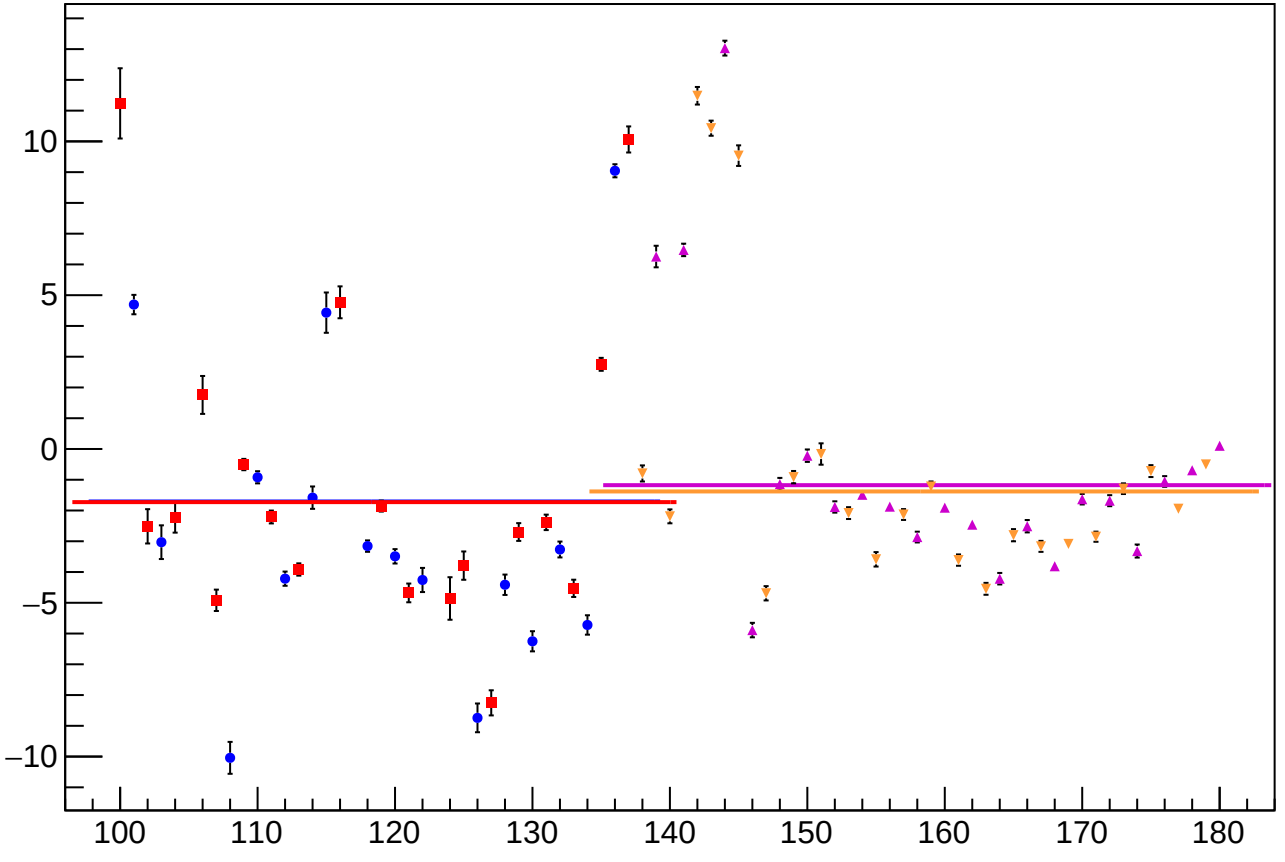
Left In: -1.317+/-0.043 χ^2/NDF:124055.7/20

+ sign -0.191+/-0.039 χ^2/NDF: 245616.2/37

All: 0.414+/-0.026 χ^2/NDF: 450207.1/77

- 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: -1.380+/-0.042 χ^2/NDF:6574.6/21

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

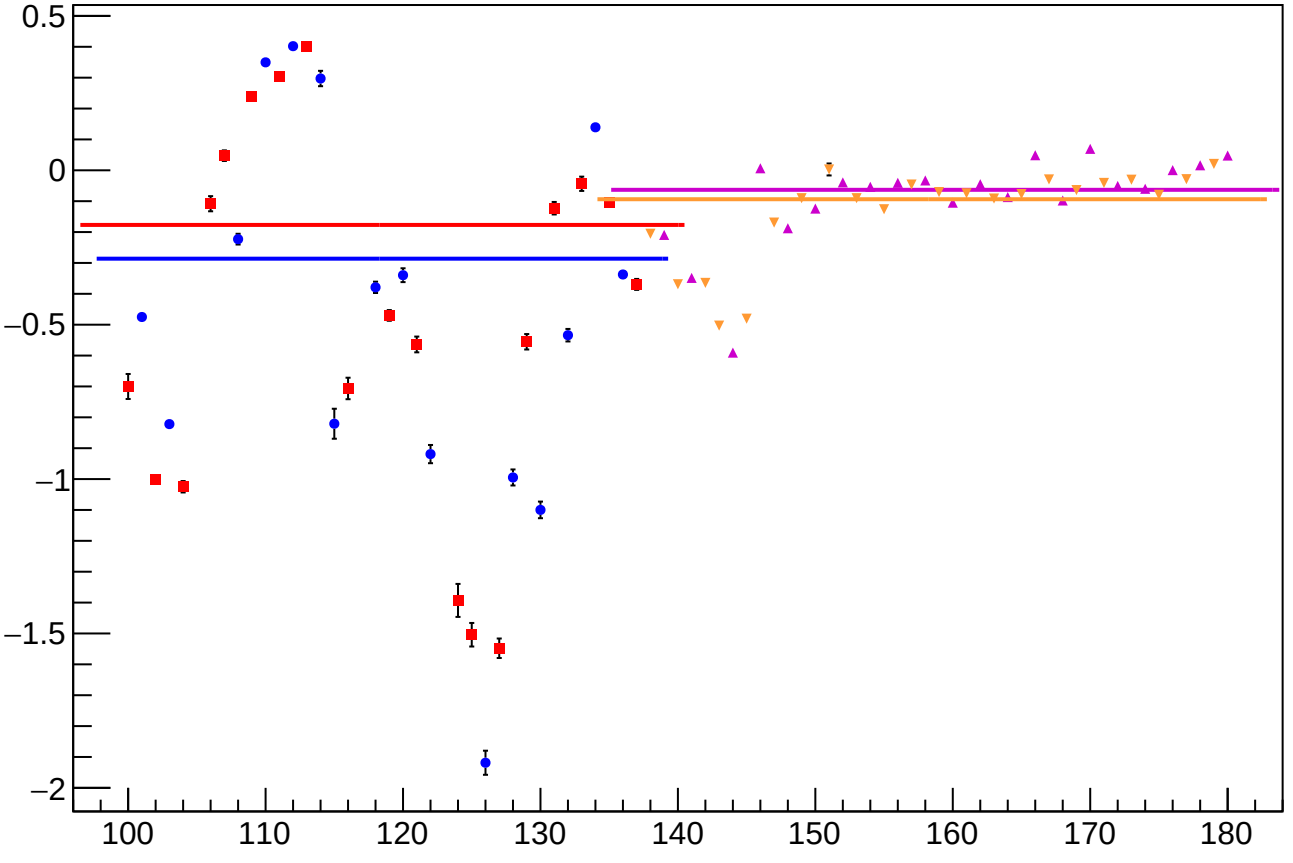
Left In: -1.176+/-0.038 χ^2/NDF:6751.0/20

+ sign -1.463+/-0.036 χ^2/NDF: 10880.0/37

All: -1.379+/-0.024 χ^2/NDF: 20002.1/77

- sign -1.309+/-0.033 χ^2/NDF: 9112.1/39

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.094+/-0.002 χ^2/NDF:3866.3/21

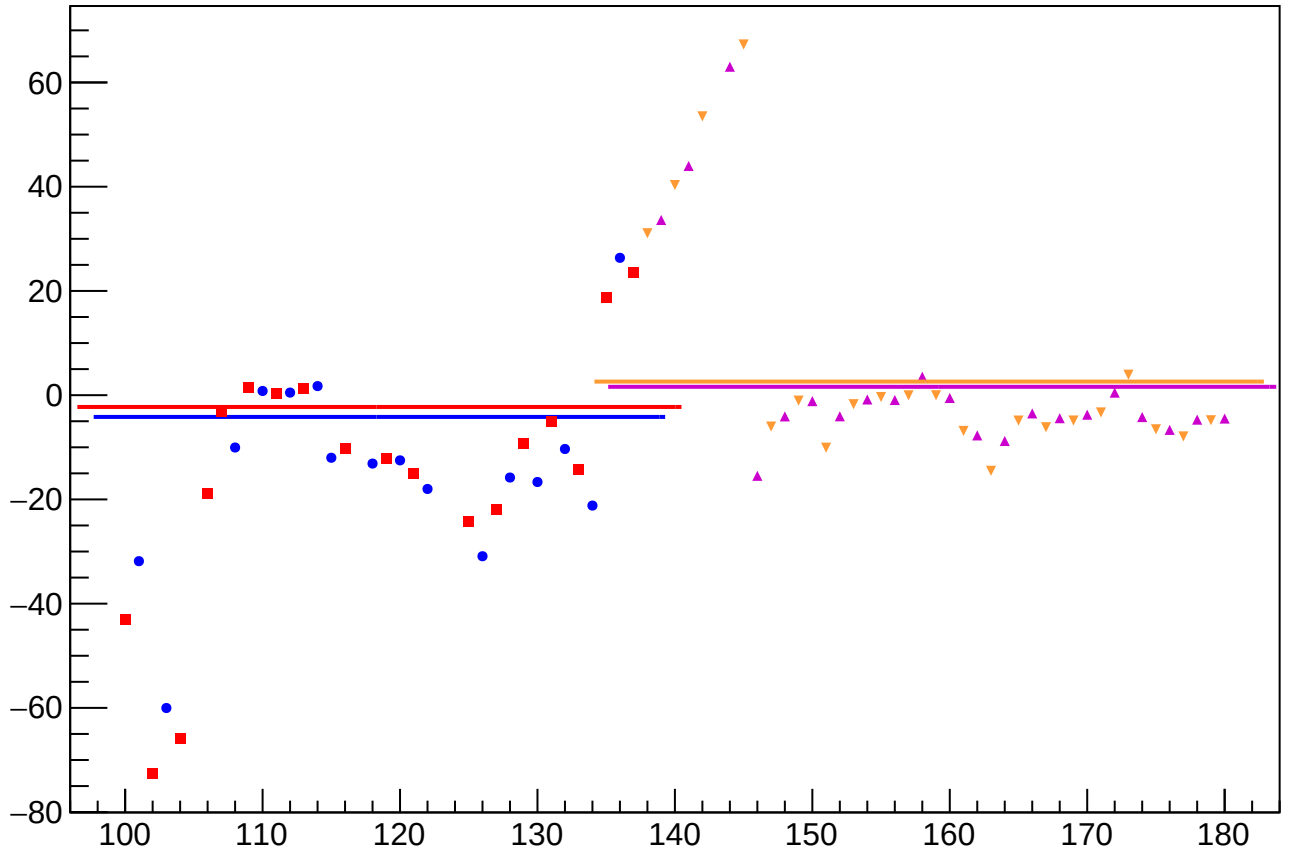
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.063+/-0.002 χ^2/NDF:4219.0/20

+ sign -0.123+/-0.002 χ^2/NDF: 16939.5/37

All: -0.099+/-0.001 χ^2/NDF: 37014.6/77

- 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: 2.606+/-0.049 χ^2/NDF:127695.6/20

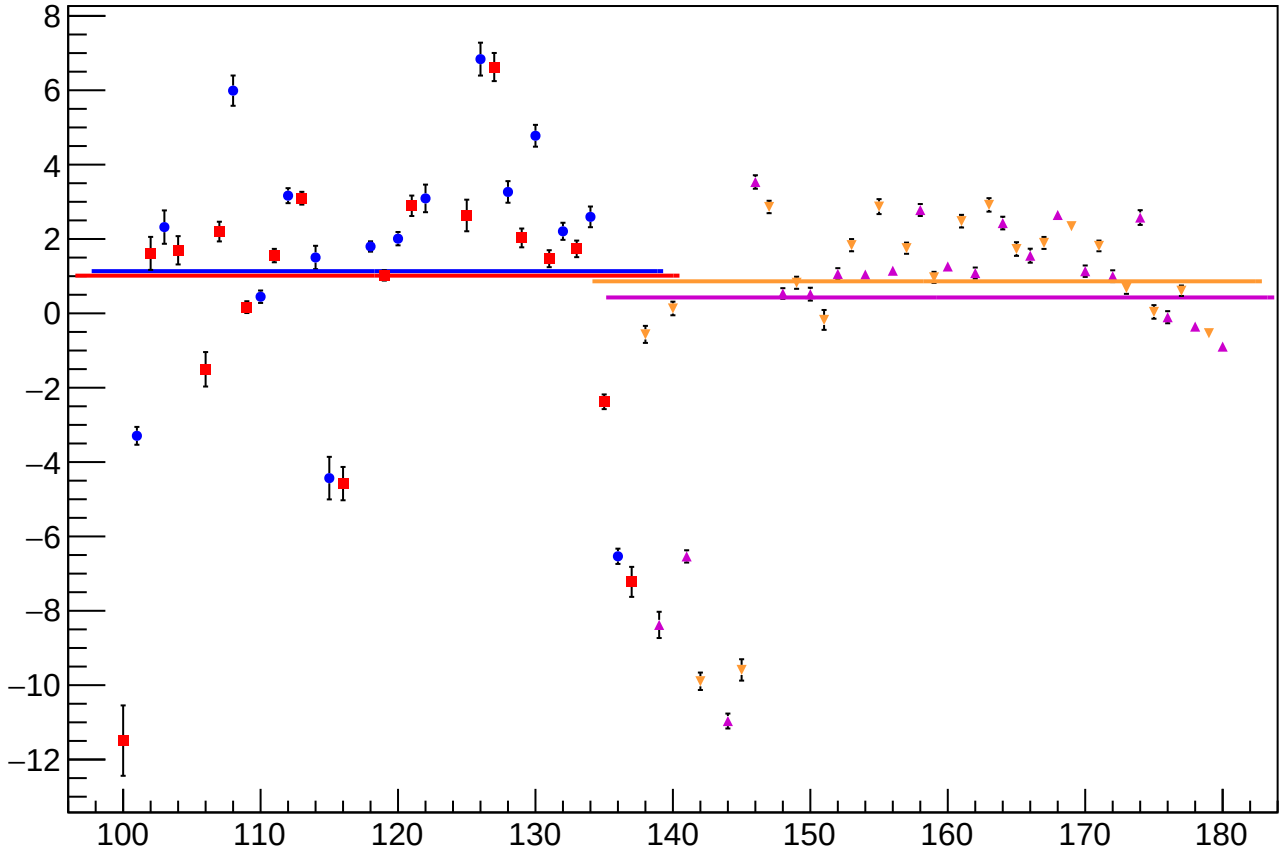
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 1.604+/-0.043 χ^2/NDF:131022.0/20

+ sign -0.415+/-0.036 χ^2/NDF: 211683.5/36

All: -0.292+/-0.024 χ^2/NDF: 426108.6/75

- 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: 0.862+/-0.037 χ^2/NDF:4395.0/20

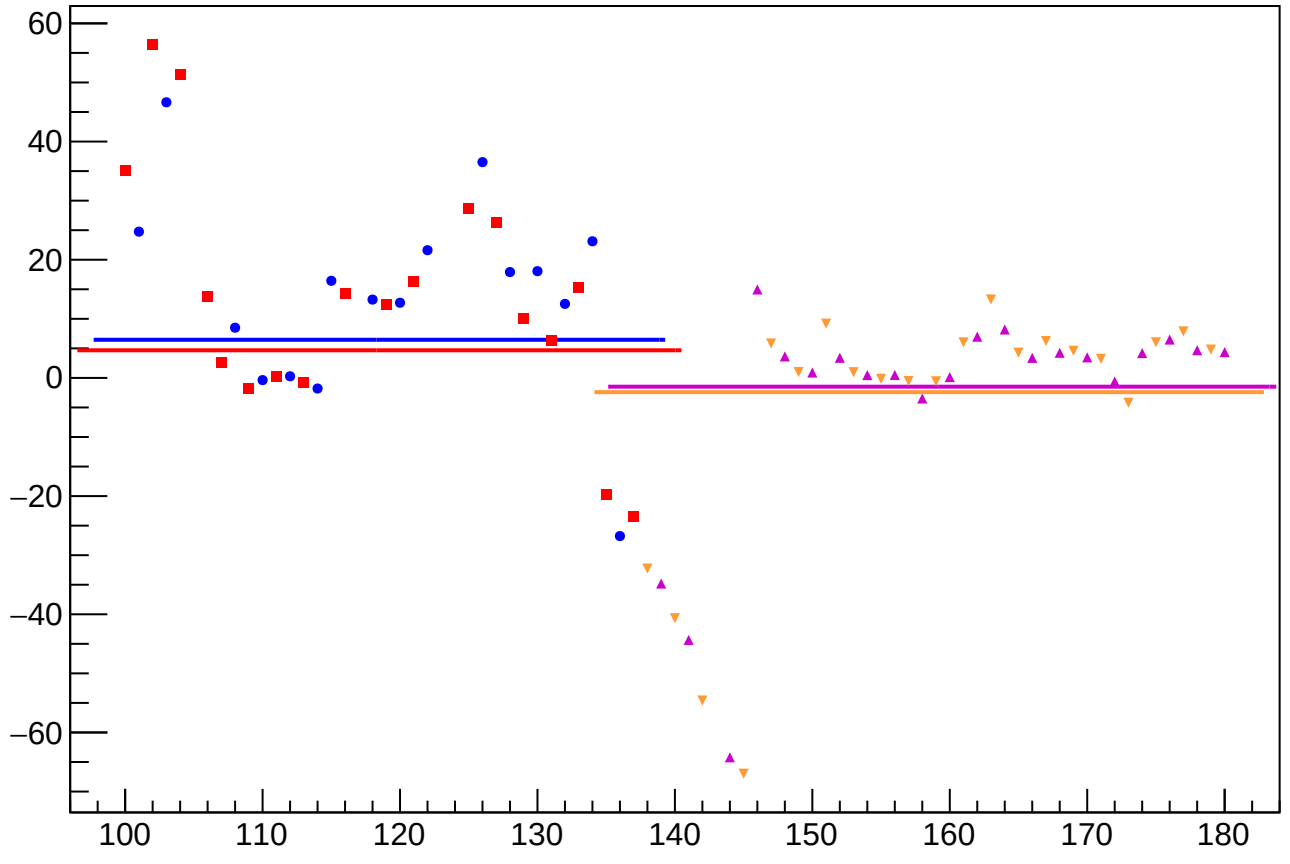
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.428+/-0.033 χ^2/NDF:7019.9/20

+ sign 0.937+/-0.032 χ^2/NDF: 7005.6/36

All: 0.736+/-0.021 χ^2/NDF: 15771.2/75

- 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: -2.411+/-0.048 χ^2/NDF:123002.5/20

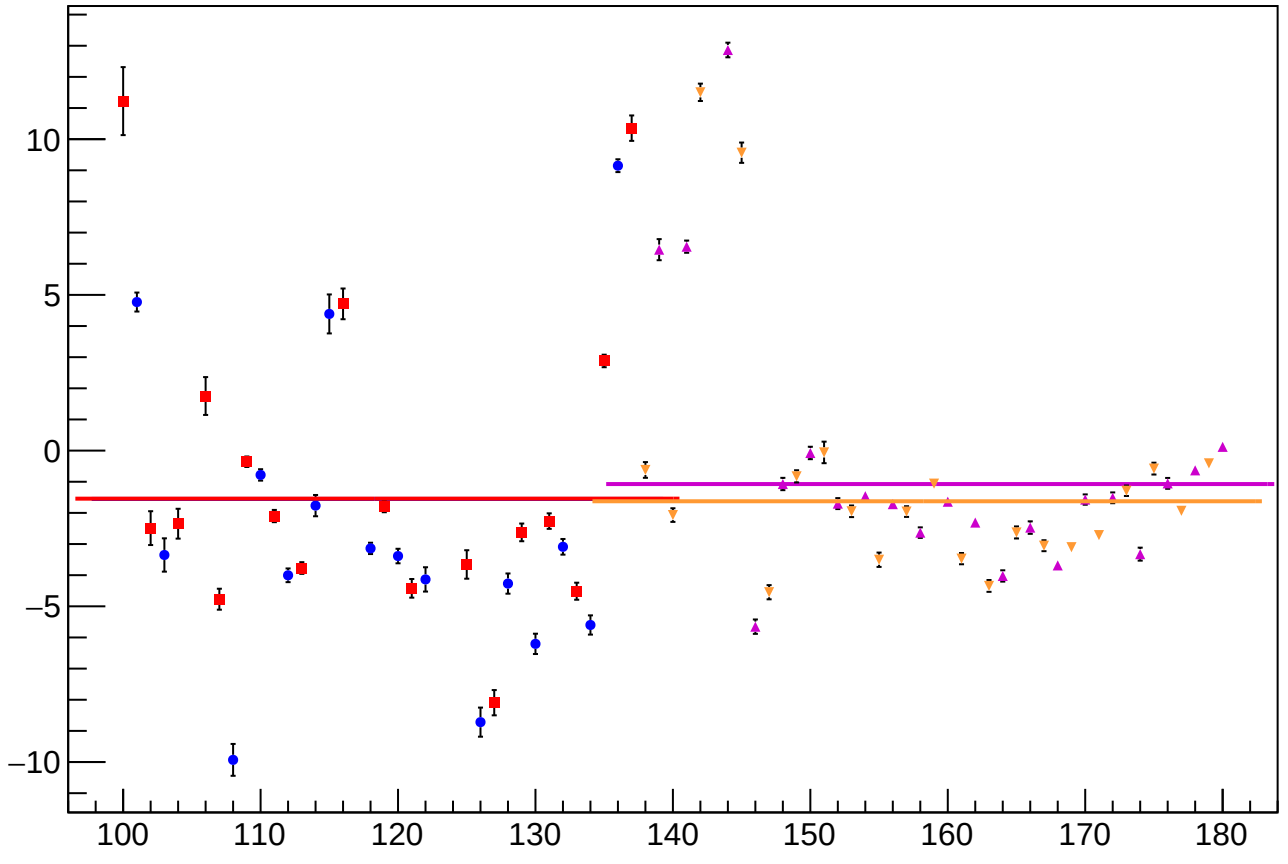
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -1.482+/-0.042 χ^2/NDF:127824.1/20

+ sign 0.724+/-0.039 χ^2/NDF: 205846.5/36

All: 0.650+/-0.026 χ^2/NDF: 415297.0/75

- 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: -1.627+/-0.041 χ^2/NDF:4350.5/20

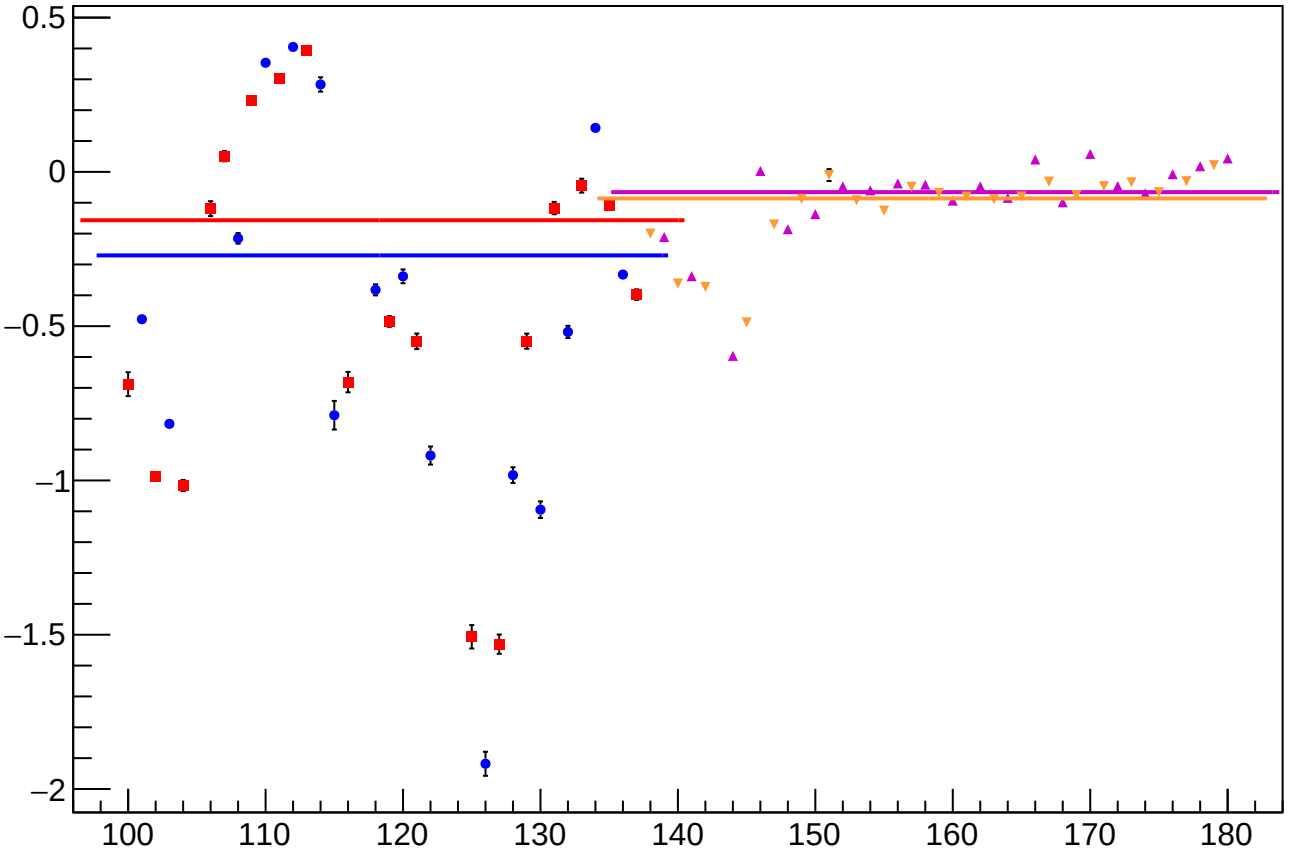
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.074+/-0.037 χ^2/NDF:6958.2/20

+ sign -1.607+/-0.035 χ^2/NDF: 8894.9/36

All: -1.375+/-0.024 χ^2/NDF: 18443.7/75

- 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: -0.086+/-0.002 χ^2/NDF:2815.8/20

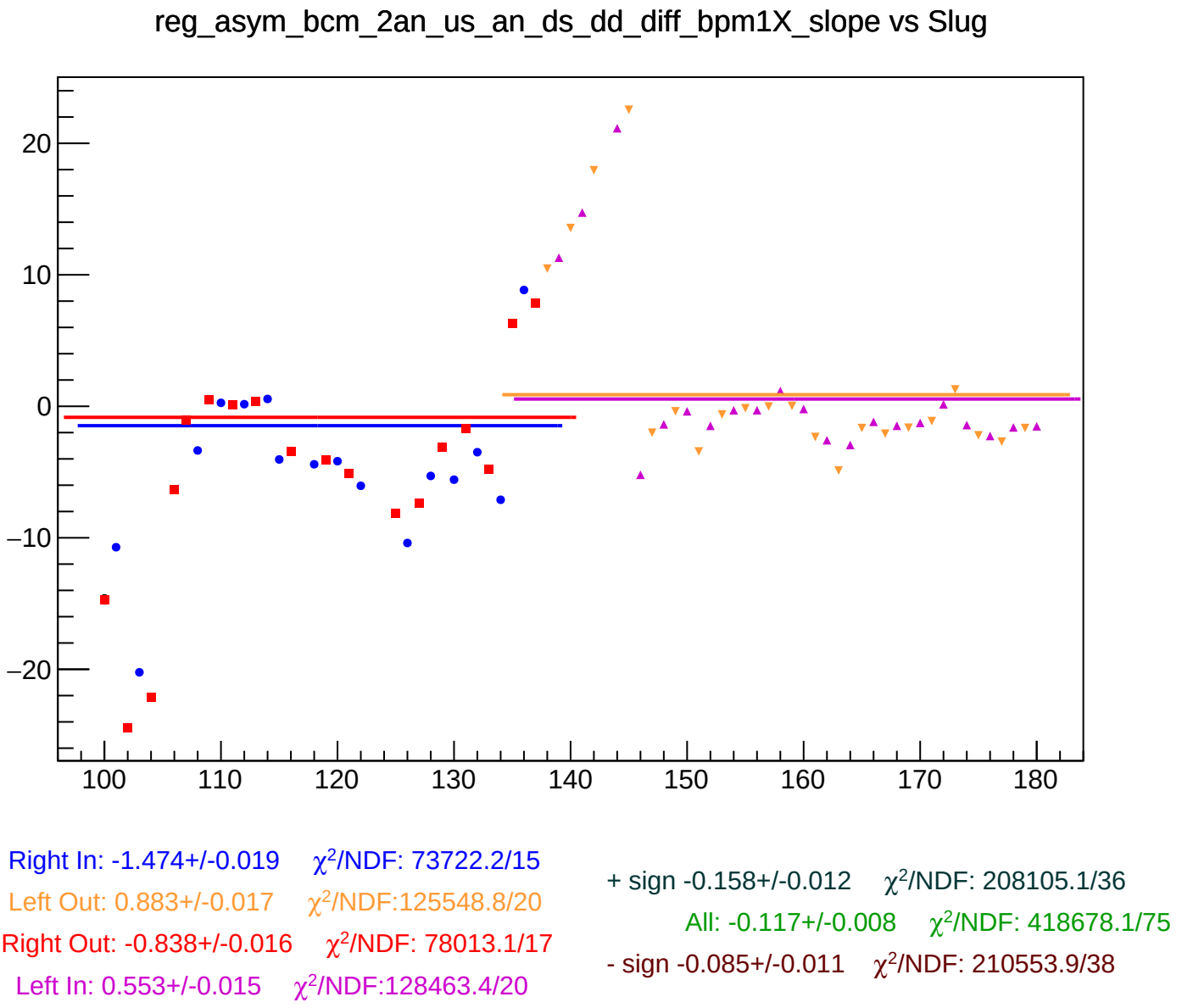
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

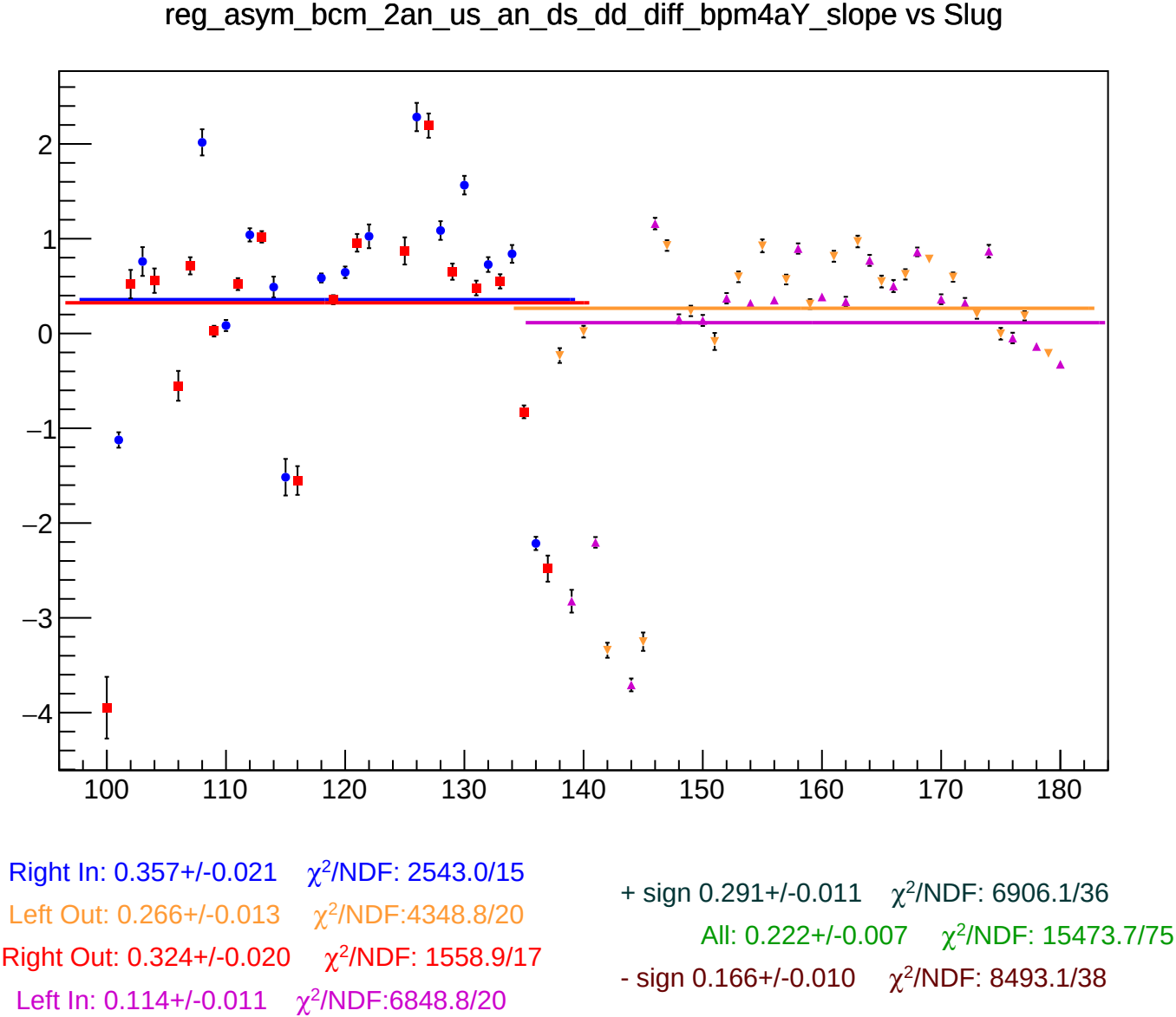
Left In: -0.066+/-0.002 χ^2/NDF:4313.3/20

+ sign -0.115+/-0.002 χ^2/NDF: 16586.7/36

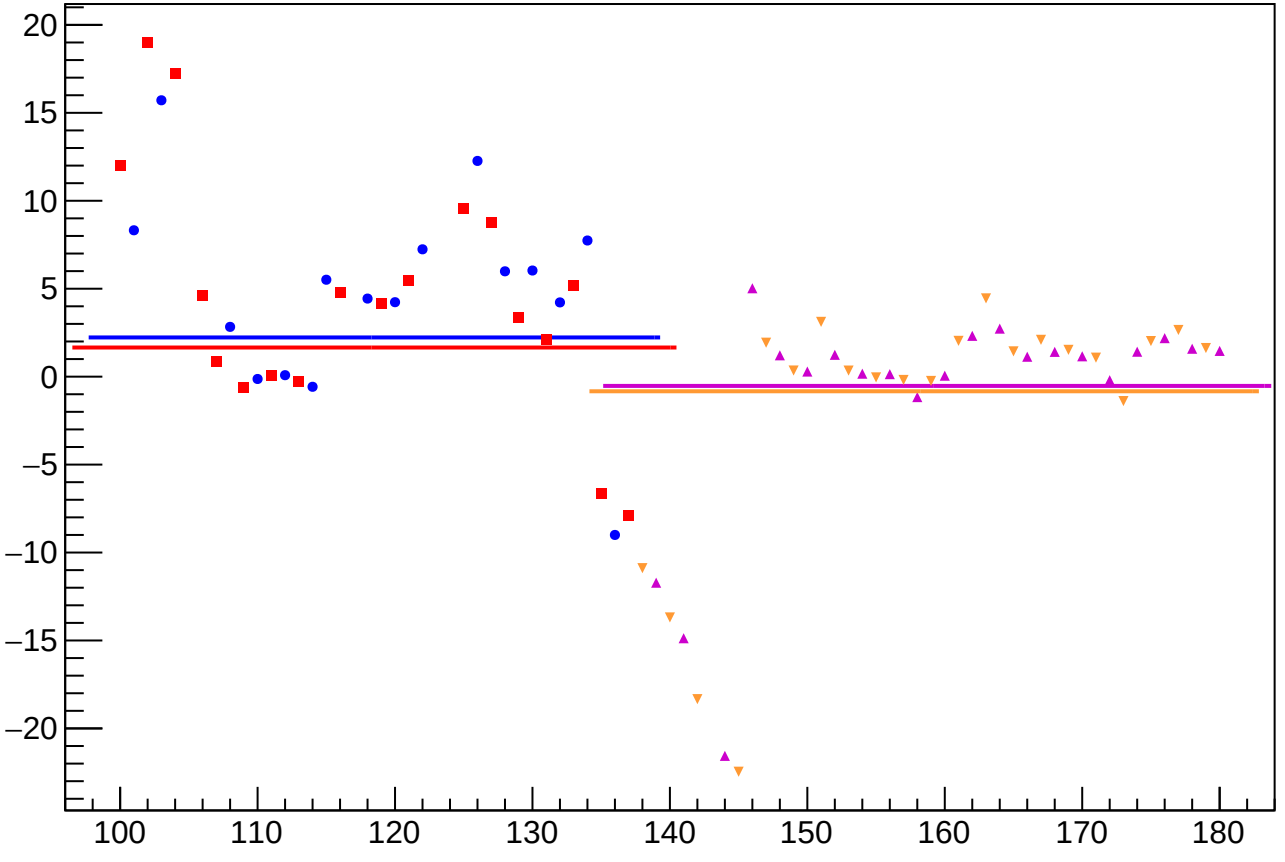
All: -0.095+/-0.001 χ^2/NDF: 36687.6/75

- 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: 0.883+/-0.017 χ²/NDF:125548.8/20
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 0.553+/-0.015 χ²/NDF:128463.4/20
+ sign -0.158+/-0.012 χ²/NDF: 208105.1/36
All: -0.117+/-0.008 χ²/NDF: 418678.1/75
- 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: 0.266+/-0.013 χ²/NDF:4348.8/20
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: 0.114+/-0.011 χ²/NDF:6848.8/20
+ sign 0.291+/-0.011 χ²/NDF: 6906.1/36
All: 0.222+/-0.007 χ²/NDF: 15473.7/75
- sign 0.166+/-0.010 χ²/NDF: 8493.1/38

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.831+/-0.016 χ^2/NDF:120928.8/20

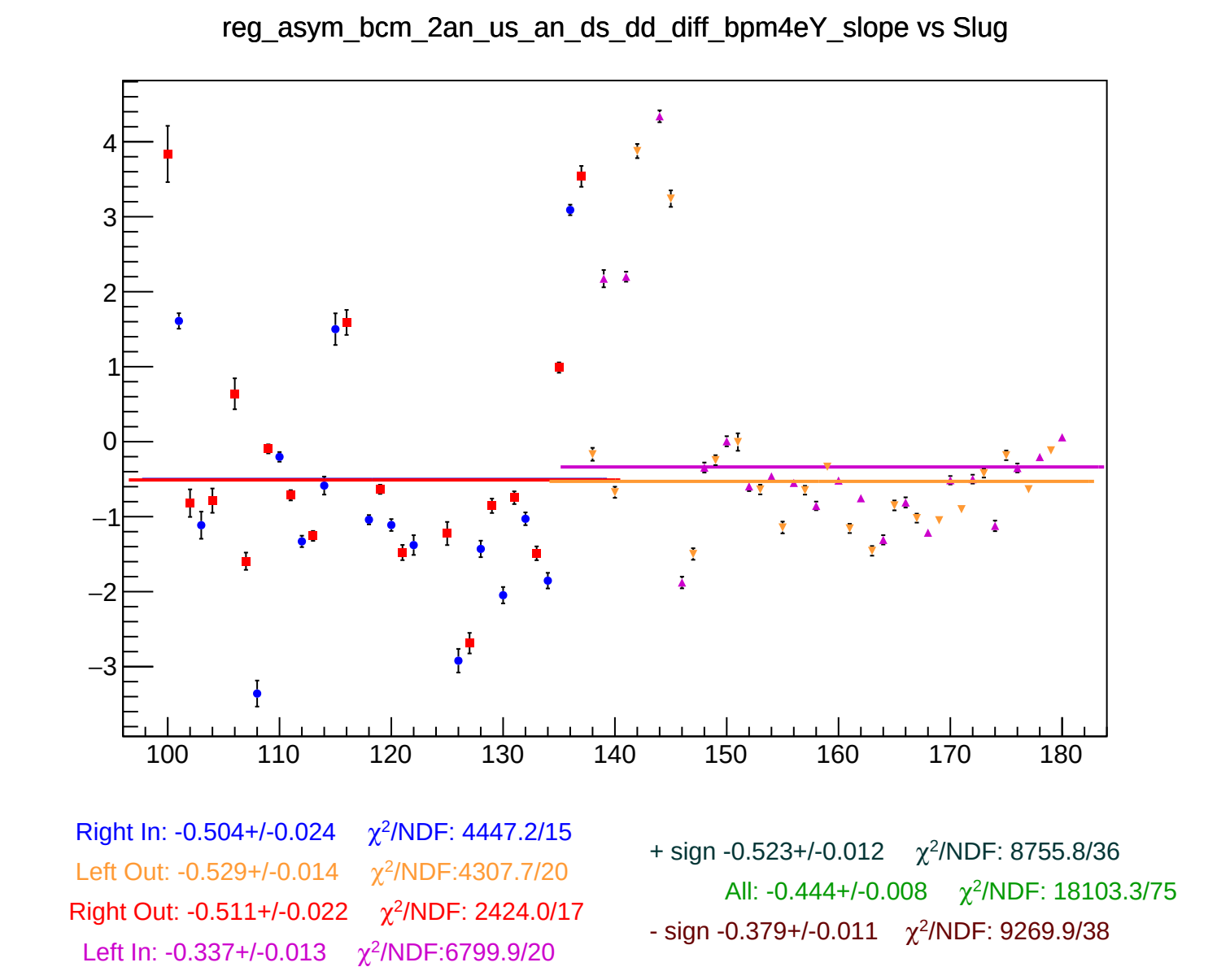
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

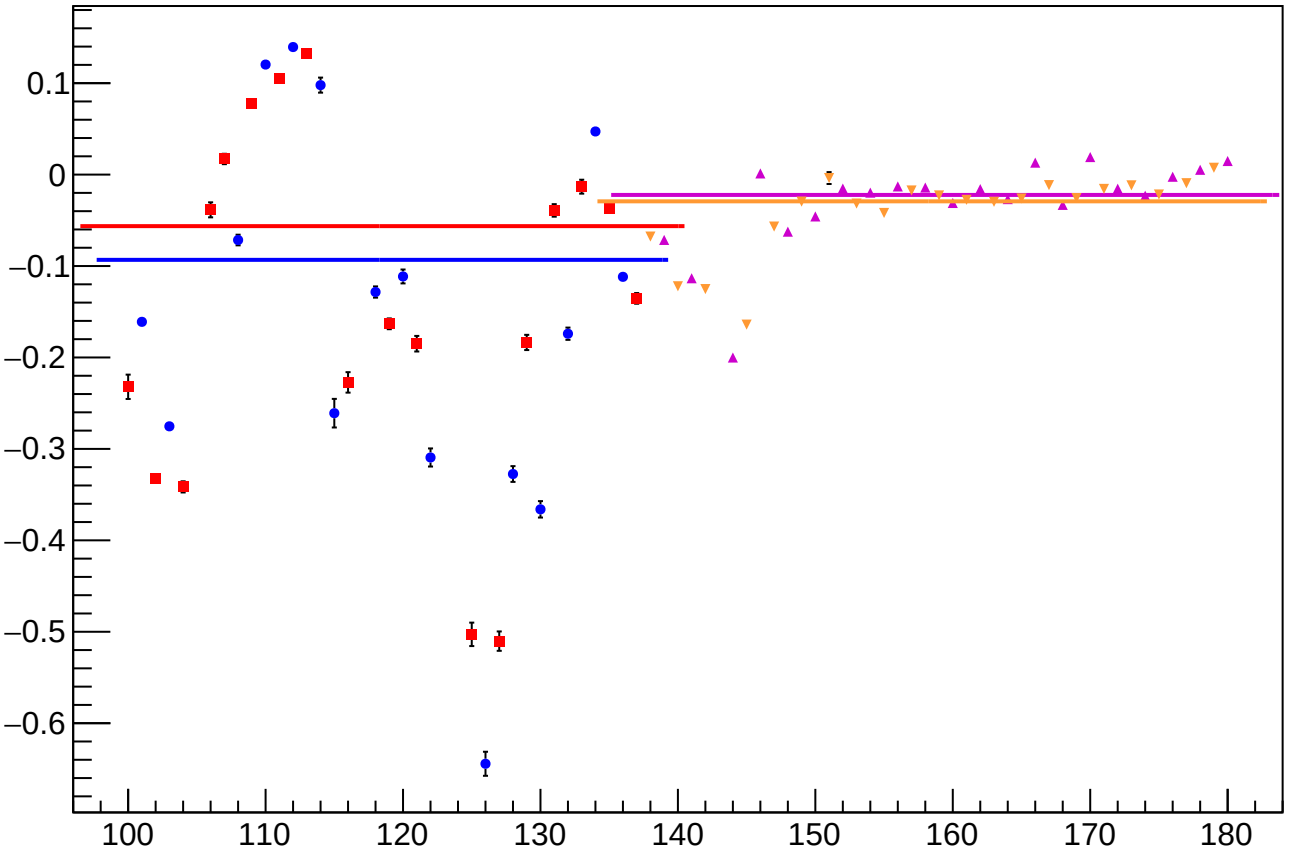
Left In: -0.526+/-0.014 χ^2/NDF:125365.6/20

+ sign 0.245+/-0.013 χ^2/NDF: 202374.2/36

All: 0.220+/-0.009 χ^2/NDF: 408145.1/75

- 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: -0.529+/-0.014 χ²/NDF:4307.7/20
Right Out: -0.511+/-0.022 χ²/NDF: 2424.0/17
Left In: -0.337+/-0.013 χ²/NDF:6799.9/20
+ sign -0.523+/-0.012 χ²/NDF: 8755.8/36
All: -0.444+/-0.008 χ²/NDF: 18103.3/75
- sign -0.379+/-0.011 χ²/NDF: 9269.9/38



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.029+/-0.001 χ^2/NDF:2774.2/20

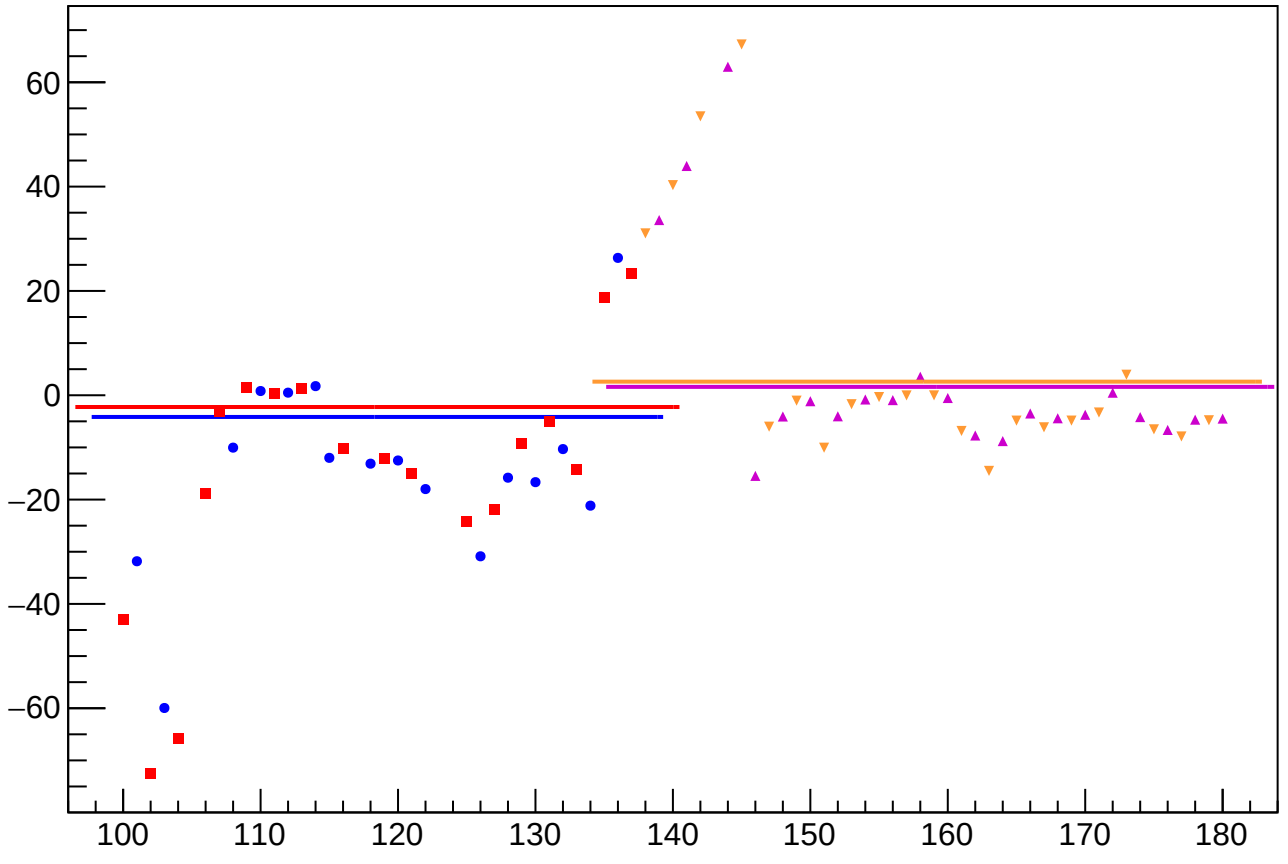
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.022+/-0.001 χ^2/NDF:4210.6/20

+ sign -0.039+/-0.001 χ^2/NDF: 16239.7/36

All: -0.033+/-0.000 χ^2/NDF: 35756.2/75

- 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: 2.608+/-0.049 χ^2/NDF:127675.4/20

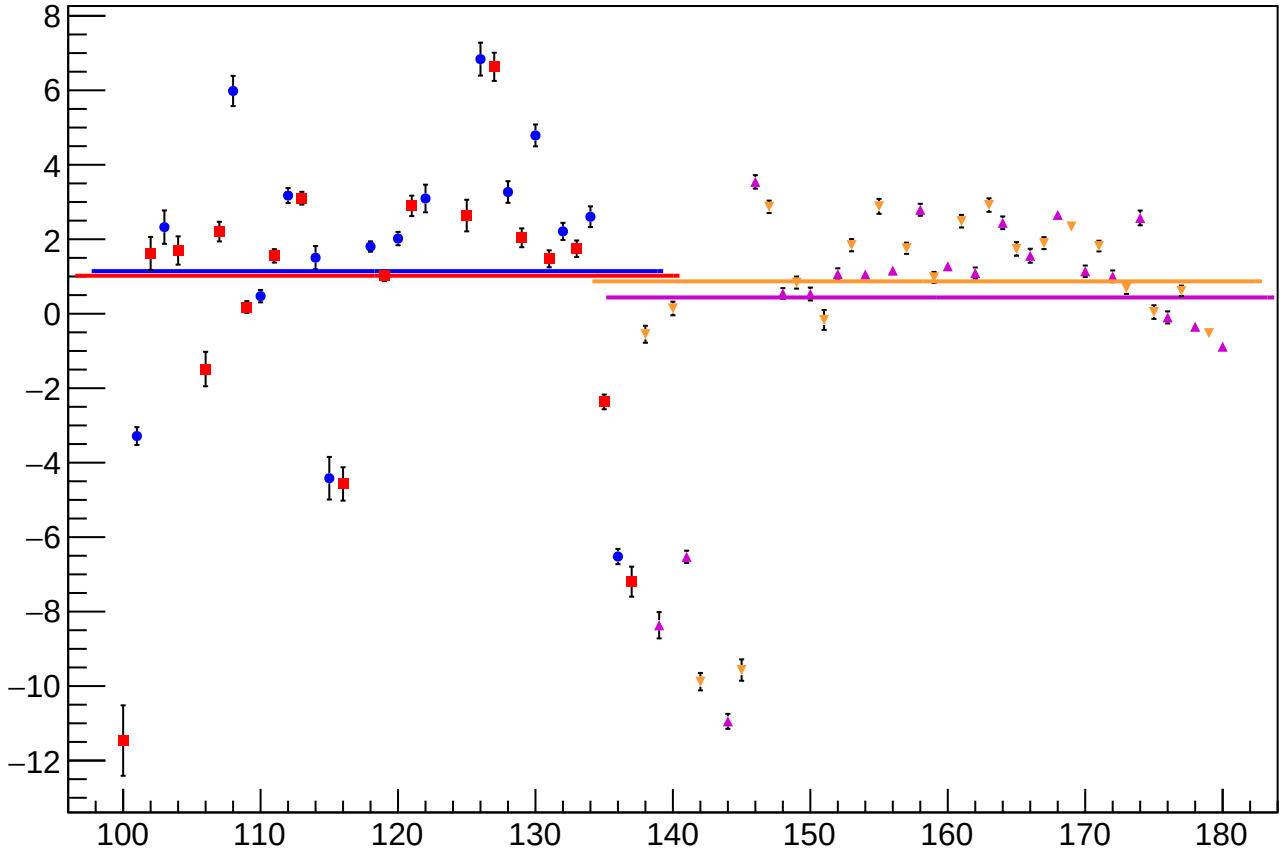
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 1.607+/-0.043 χ^2/NDF:131029.3/20

+ sign -0.409+/-0.036 χ^2/NDF: 211678.9/36

All: -0.287+/-0.024 χ^2/NDF: 426119.1/75

- 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: 0.869+/-0.037 χ^2/NDF:4392.1/20

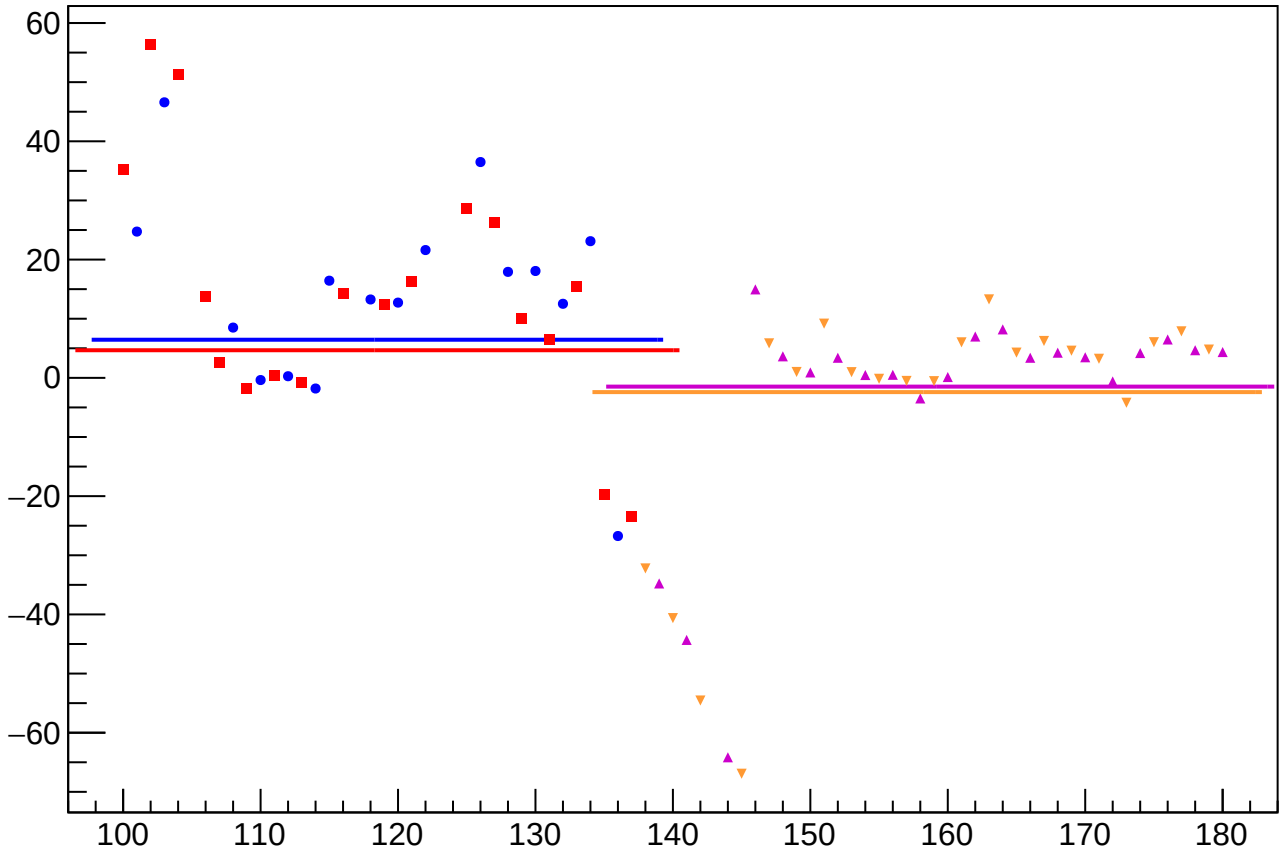
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.437+/-0.033 χ^2/NDF:7024.7/20

+ sign 0.945+/-0.031 χ^2/NDF: 7002.5/36

All: 0.745+/-0.021 χ^2/NDF: 15770.4/75

- 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: -2.408+/-0.048 χ^2/NDF:122983.2/20

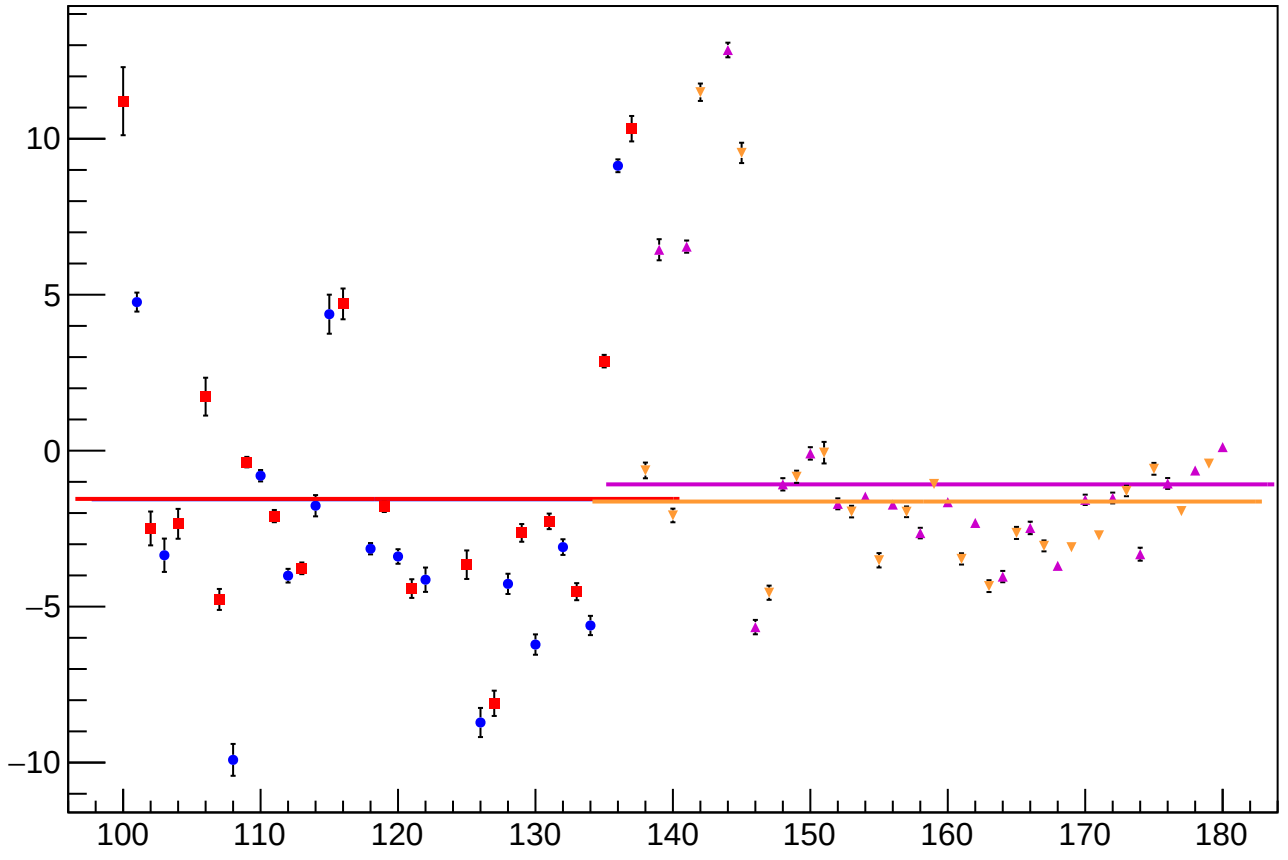
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -1.479+/-0.042 χ^2/NDF:127828.8/20

\+ sign 0.723+/-0.039 χ^2/NDF: 205838.6/36

All: 0.651+/-0.026 χ^2/NDF: 415294.2/75

\- 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: -1.631+/-0.041 χ^2/NDF:4347.3/20

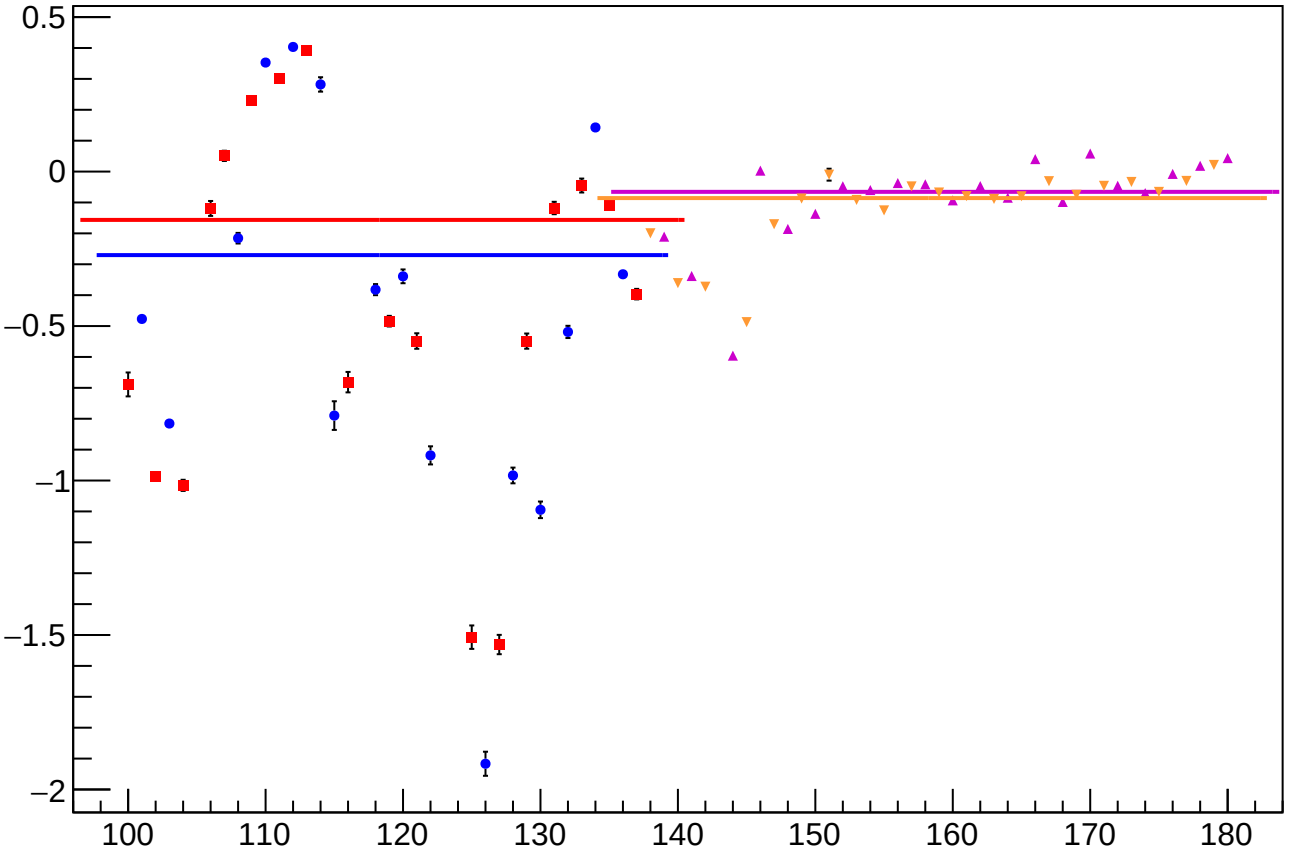
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.081+/-0.036 χ^2/NDF:6961.9/20

+ sign -1.612+/-0.035 χ^2/NDF: 8891.2/36

All: -1.380+/-0.024 χ^2/NDF: 18440.2/75

- 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: -0.086+/-0.002 χ^2/NDF:2814.8/20

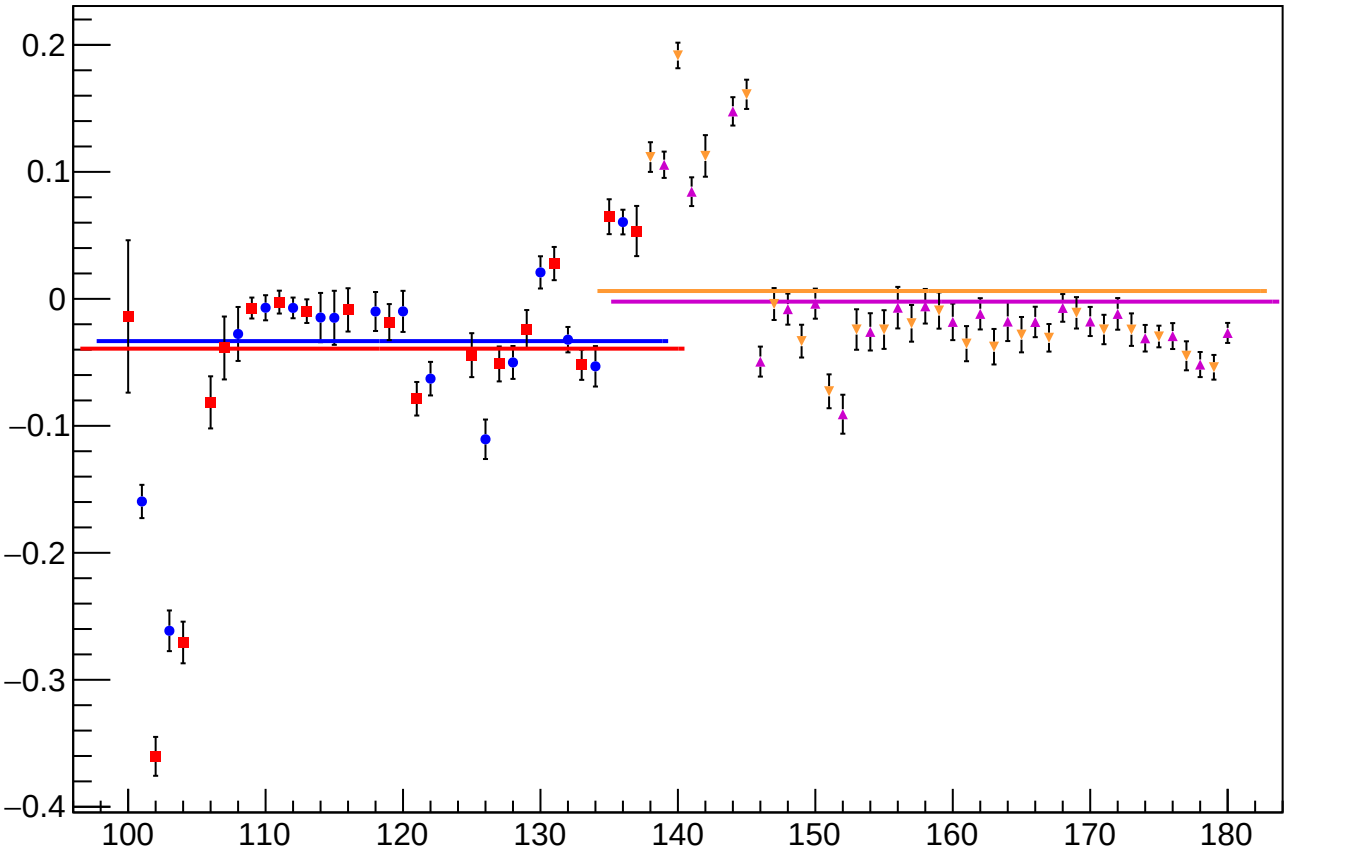
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.066+/-0.002 χ^2/NDF:4315.9/20

+ sign -0.115+/-0.002 χ^2/NDF: 16586.4/36

All: -0.095+/-0.001 χ^2/NDF: 36697.6/75

- 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: 0.006+/-0.003 χ^2/NDF:827.5/20

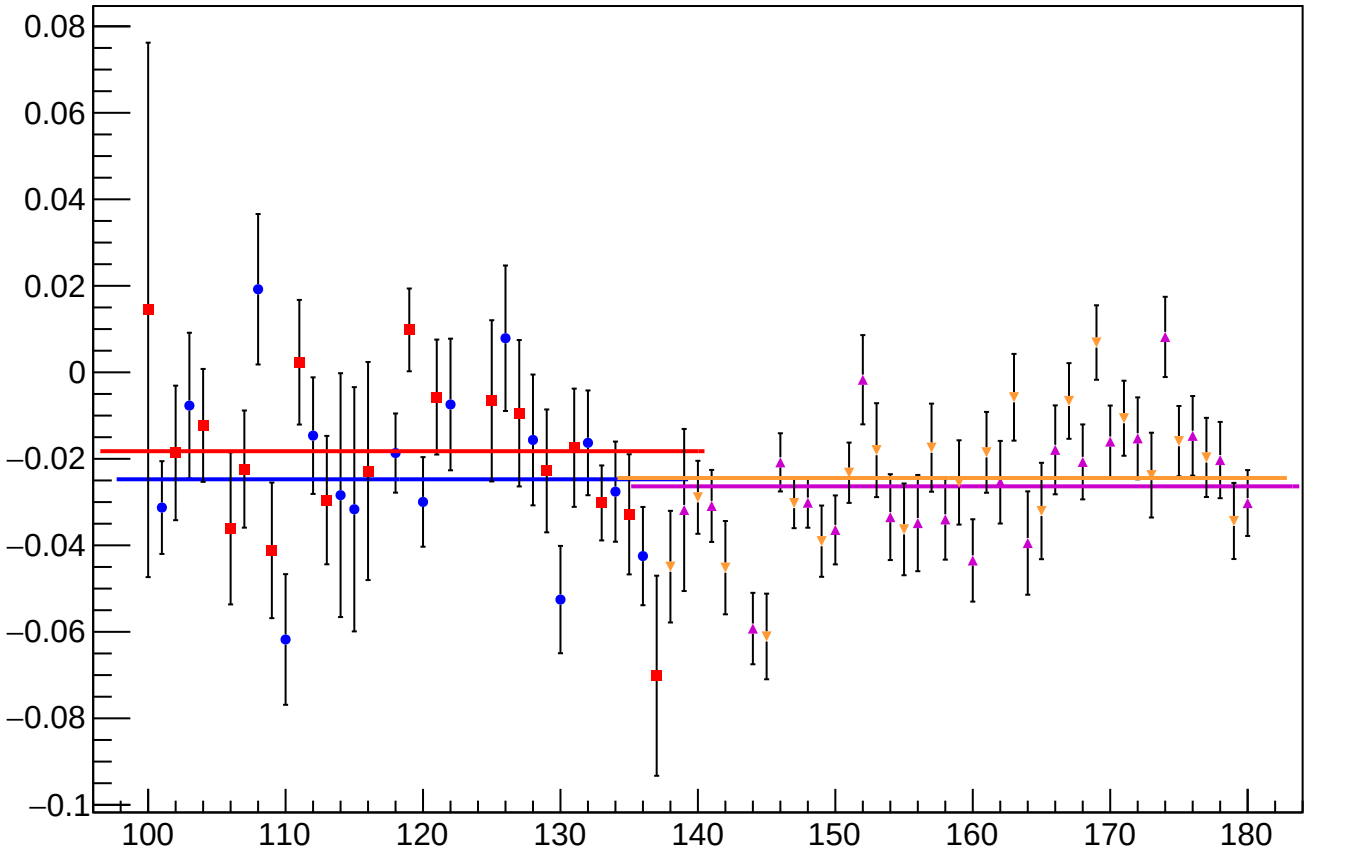
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: -0.002+/-0.003 χ^2/NDF:455.9/20

+ sign -0.010+/-0.002 χ^2/NDF: 1380.1/36

All: -0.013+/-0.001 χ^2/NDF: 2731.6/75

- 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:53.3/20

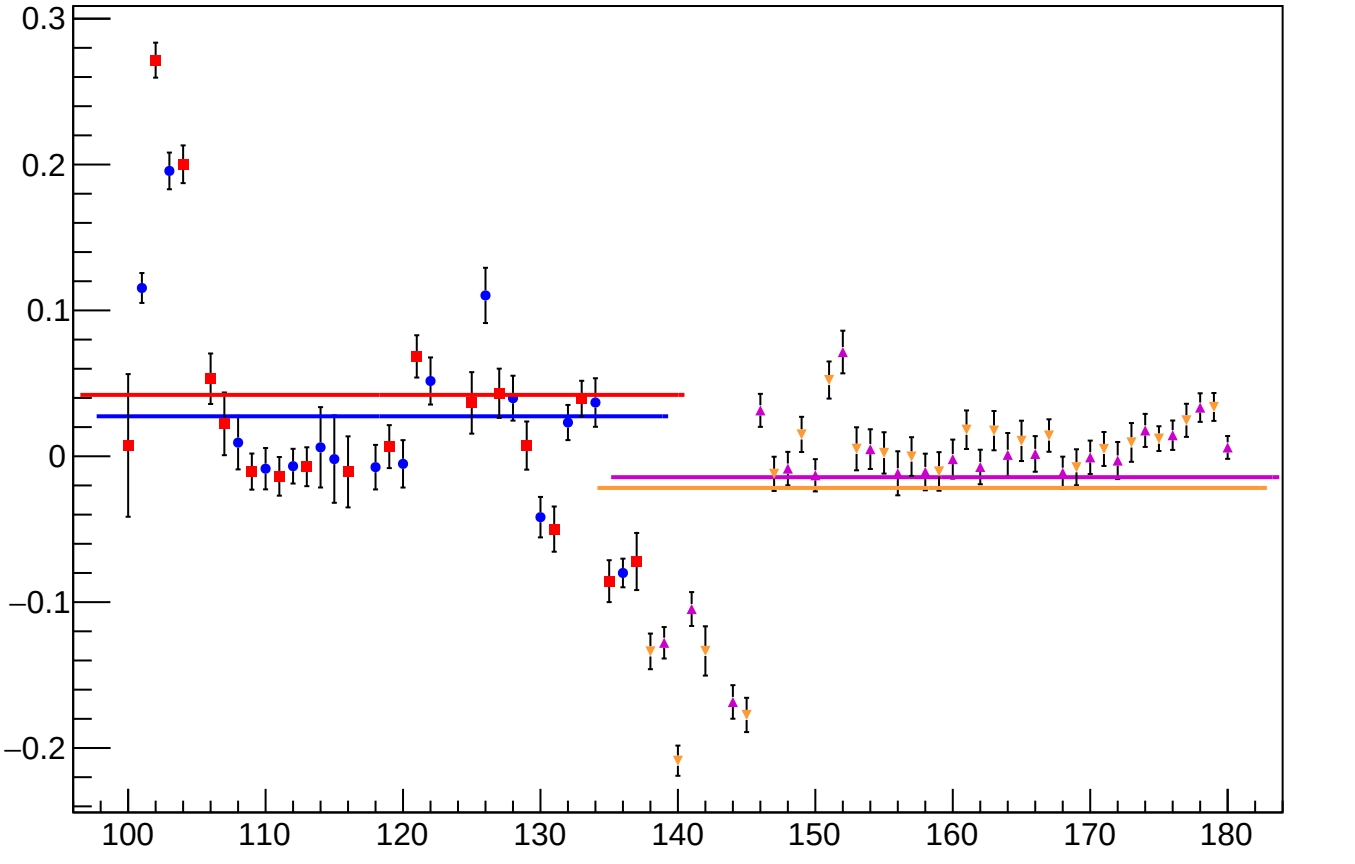
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:51.1/20

+ sign -0.025+/-0.002 χ^2/NDF: 81.9/36

All: -0.024+/-0.001 χ^2/NDF: 162.1/75

- 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: -0.022+/-0.003 χ^2/NDF:794.7/20

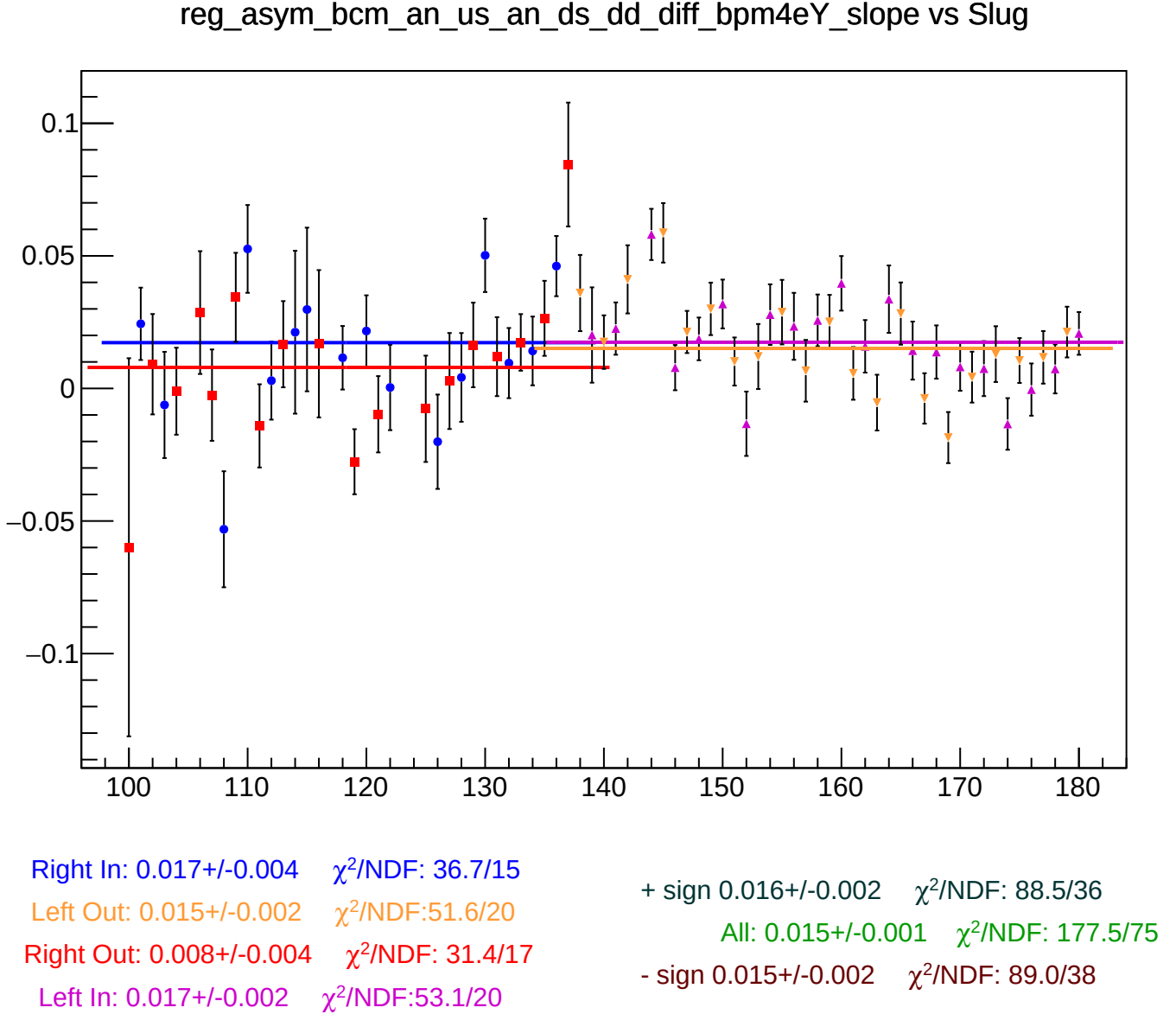
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

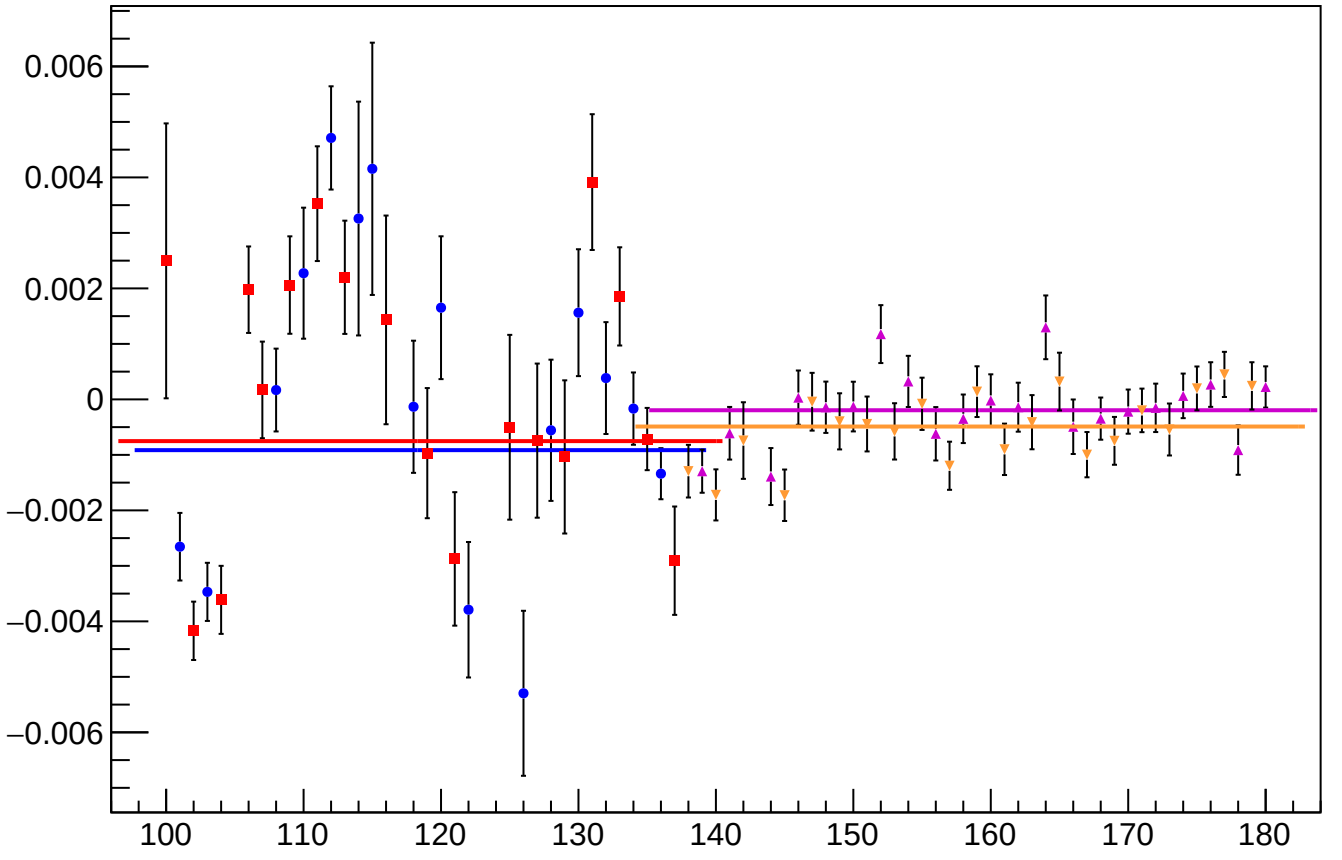
Left In: -0.014+/-0.003 χ^2/NDF:456.8/20

+ sign -0.004+/-0.002 χ^2/NDF: 1363.3/36

All: -0.000+/-0.001 χ^2/NDF: 2724.1/75

- sign 0.004+/-0.002 χ^2/NDF: 1352.8/38


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.015+/-0.002 χ²/NDF:51.6/20
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.017+/-0.002 χ²/NDF:53.1/20
+ sign 0.016+/-0.002 χ²/NDF: 88.5/36
All: 0.015+/-0.001 χ²/NDF: 177.5/75
- sign 0.015+/-0.002 χ²/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:40.4/20

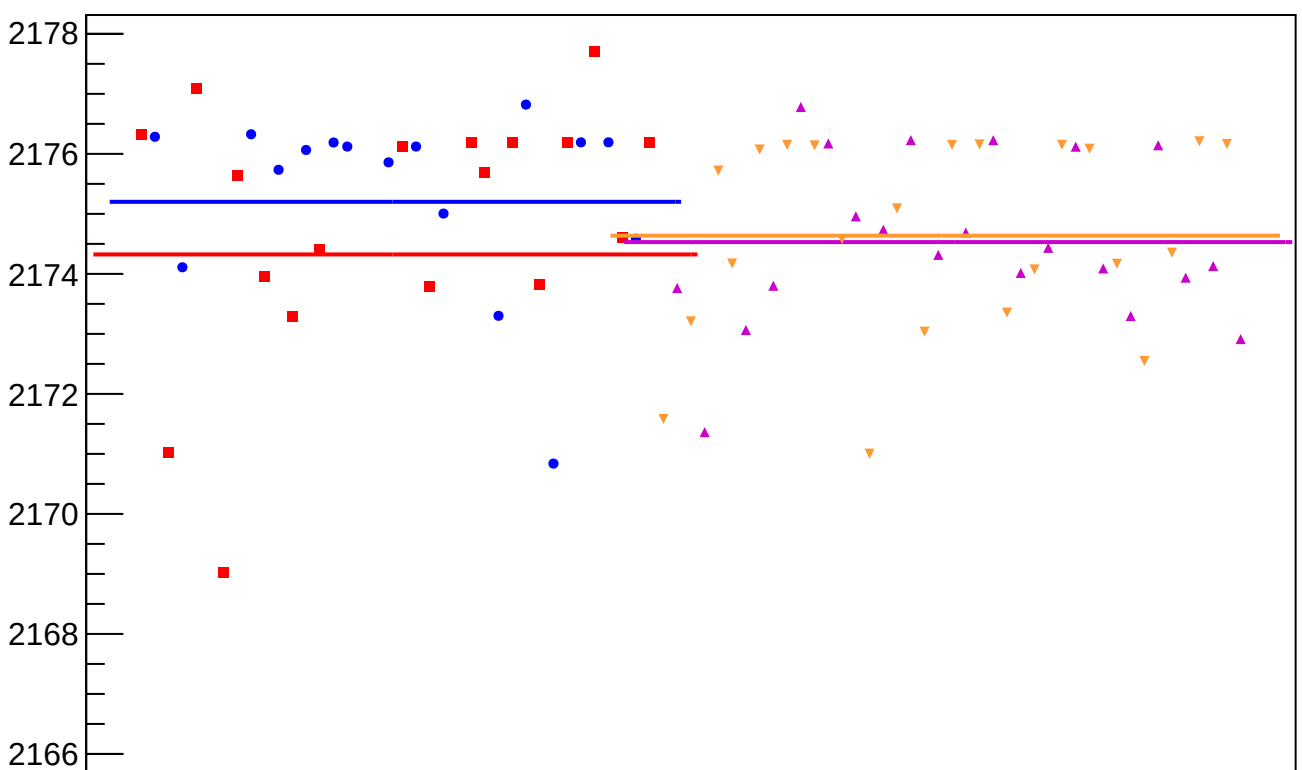
Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:36.6/20

+ sign -0.001+/-0.000 χ^2/NDF: 157.8/36

All: -0.000+/-0.000 χ^2/NDF: 352.4/75

- sign -0.000+/-0.000 χ^2/NDF: 189.8/38



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

+ sign 2174.800+/-0.000 χ^2/NDF: 6633875136815

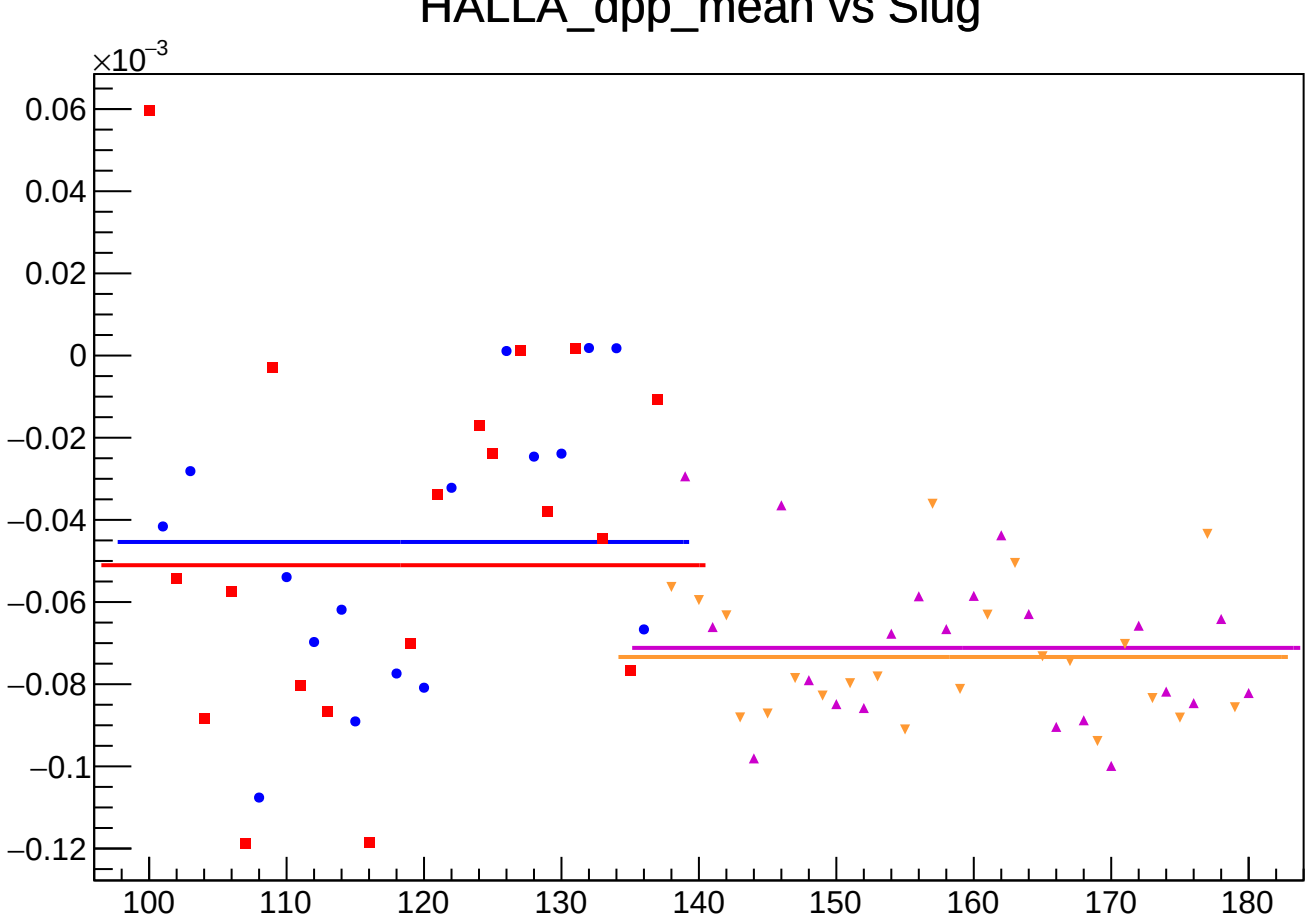
Left Out: 2174.637+/-0.000 χ^2/NDF:4700440159128584286728744266104832.0/21

All: 2174.634+/-0.000 χ^2/NDF: 1567828592

Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

- sign 2174.468+/-0.000 χ^2/NDF: 89037318495348

Left In: 2174.530+/-0.000 χ^2/NDF:333879855507400906337041722952908 8.0/20



Right In: -0.000+/-0.000 χ^2/NDF: 7131320813781223777239040.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4502936259007606853468160.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 1011955910720647101153280.0/18

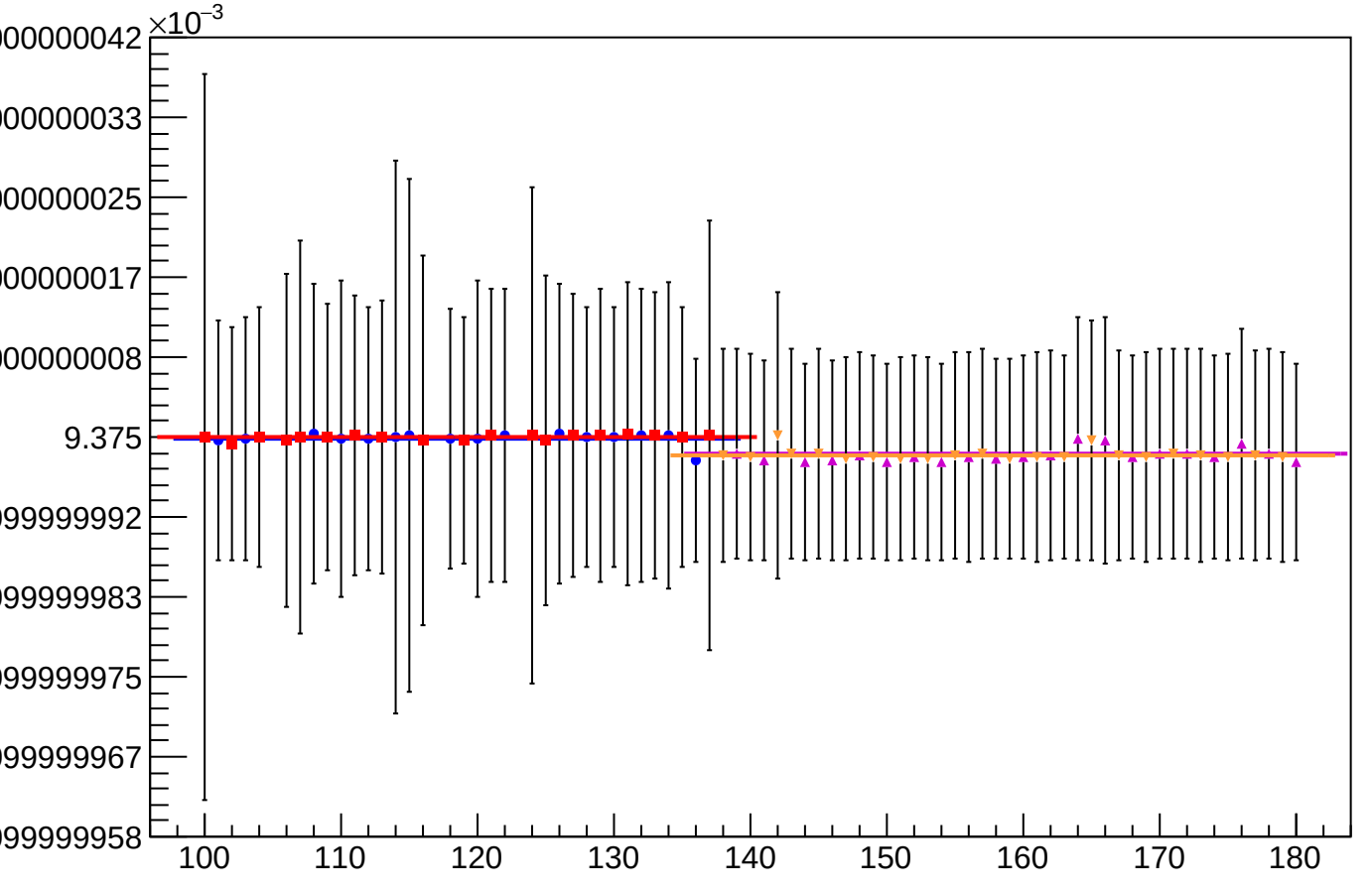
Left In: -0.000+/-0.000 χ^2/NDF:6275193885713332856422400.0/20

+ sign -0.000+/-0.000 χ^2/NDF: 1576295504152597

All: -0.000+/-0.000 χ^2/NDF: 3432594456181

- sign -0.000+/-0.000 χ^2/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:0.0/21

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

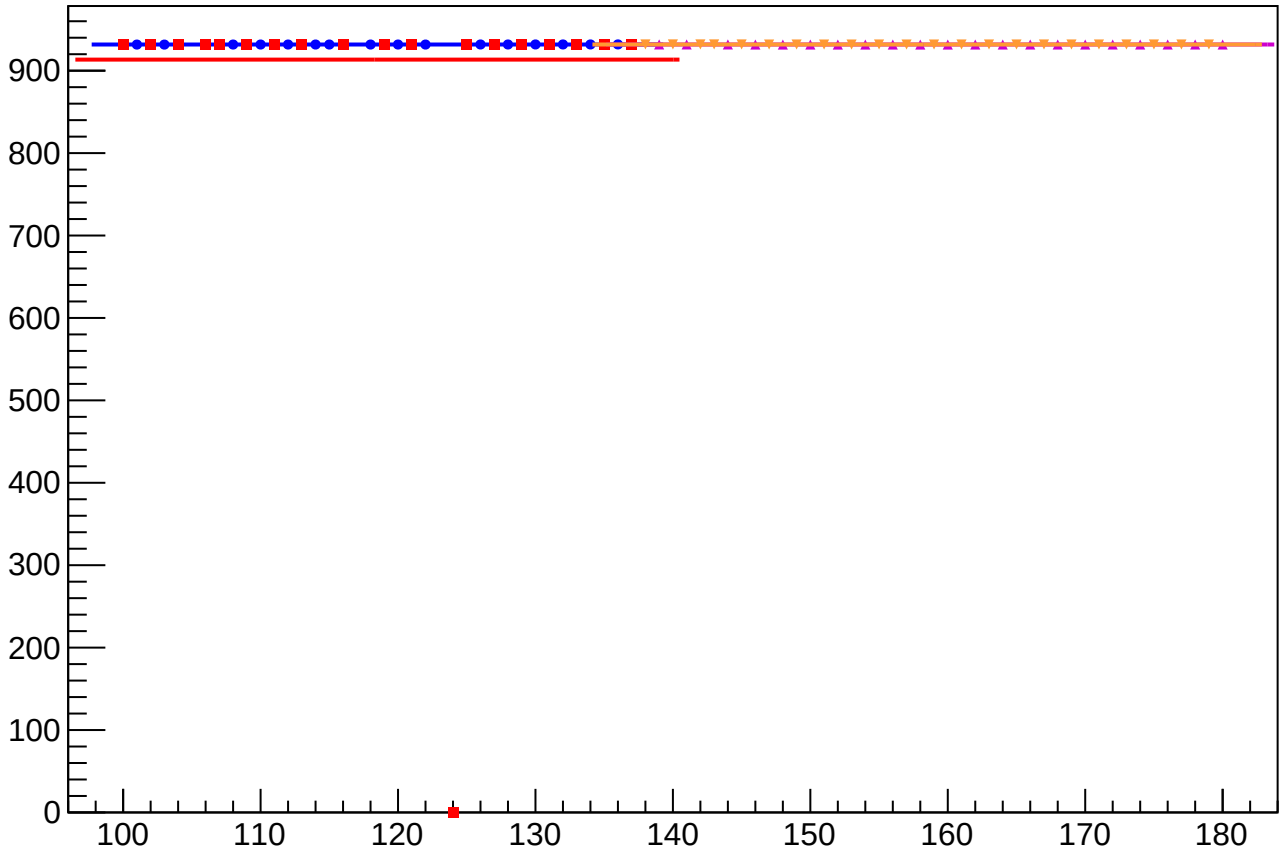
Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.7/77

- 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 931.780+/-0.000 χ^2/NDF: 708309213040138

Left Out: 931.784+/-0.000 χ^2/NDF:4201062908490219525501584670720.0/21

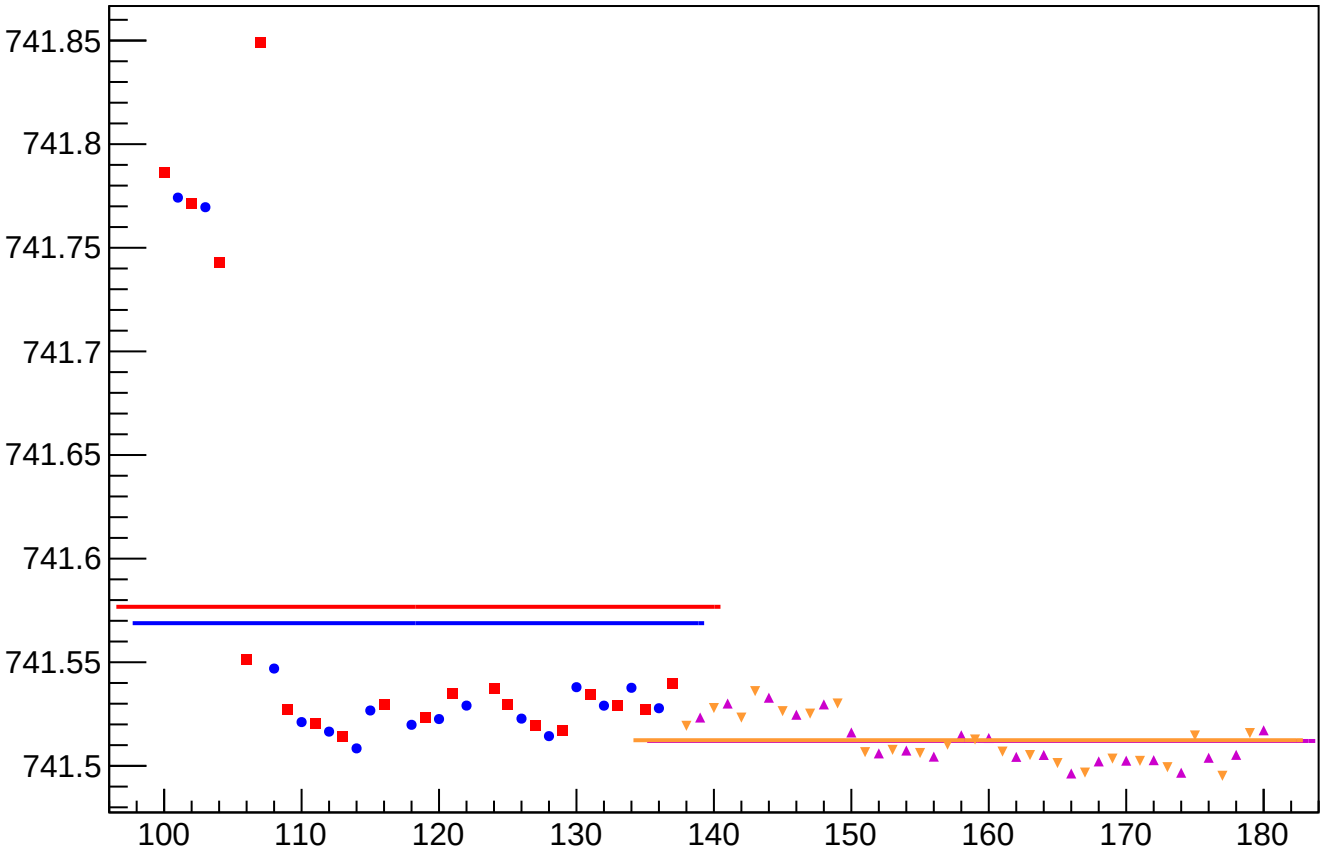
All: 929.047+/-0.000 χ^2/NDF: 12984099383

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:3814190183650238760740599103488.0/20

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

+ sign 741.529+/-0.000 χ^2/NDF: 834831743966415

Left Out: 741.512+/-0.000 χ^2/NDF:2346961827359627959311290859 52.0/21

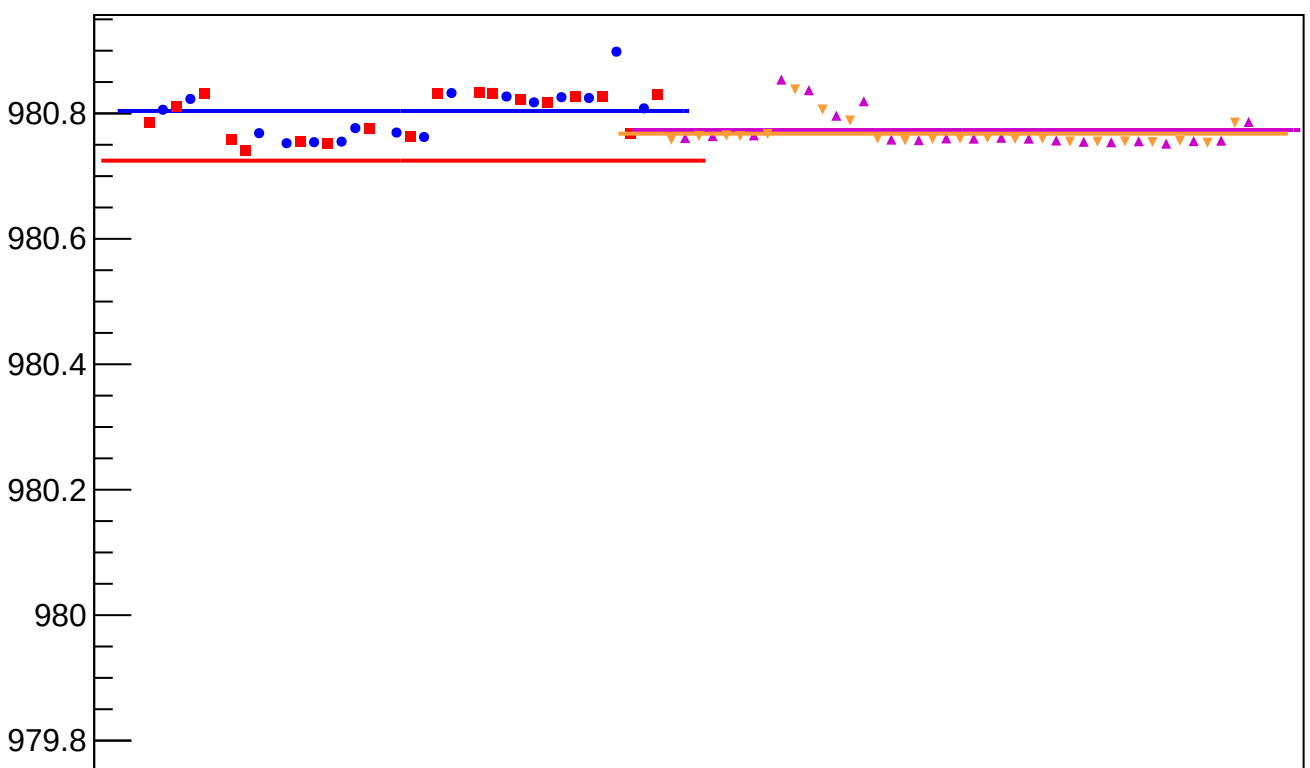
All: 741.530+/-0.000 χ^2/NDF: 185083603944

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

- sign 741.531+/-0.000 χ^2/NDF: 101511942613571

Left In: 741.512+/-0.000 χ^2/NDF:214744336520281732099002597376.0/20

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:767779411704077765928755920896.0/21

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

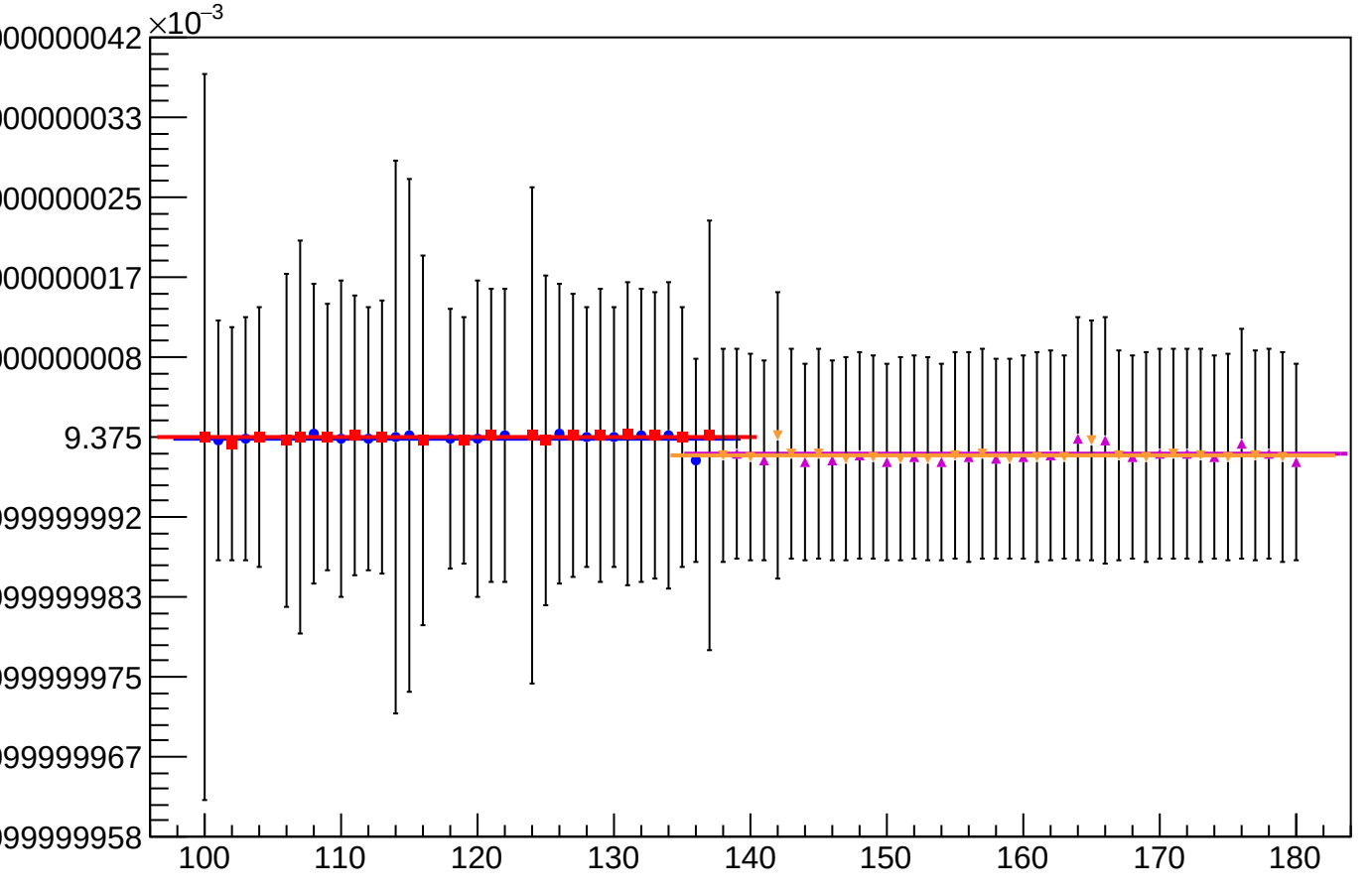
Left In: 980.773+/-0.000 χ^2/NDF:151245207827606807376785362124 8.0/20

+ sign 980.778+/-0.000 χ^2/NDF: 239078282830281

All: 980.769+/-0.000 χ^2/NDF: 616928926872

- 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:0.0/21

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

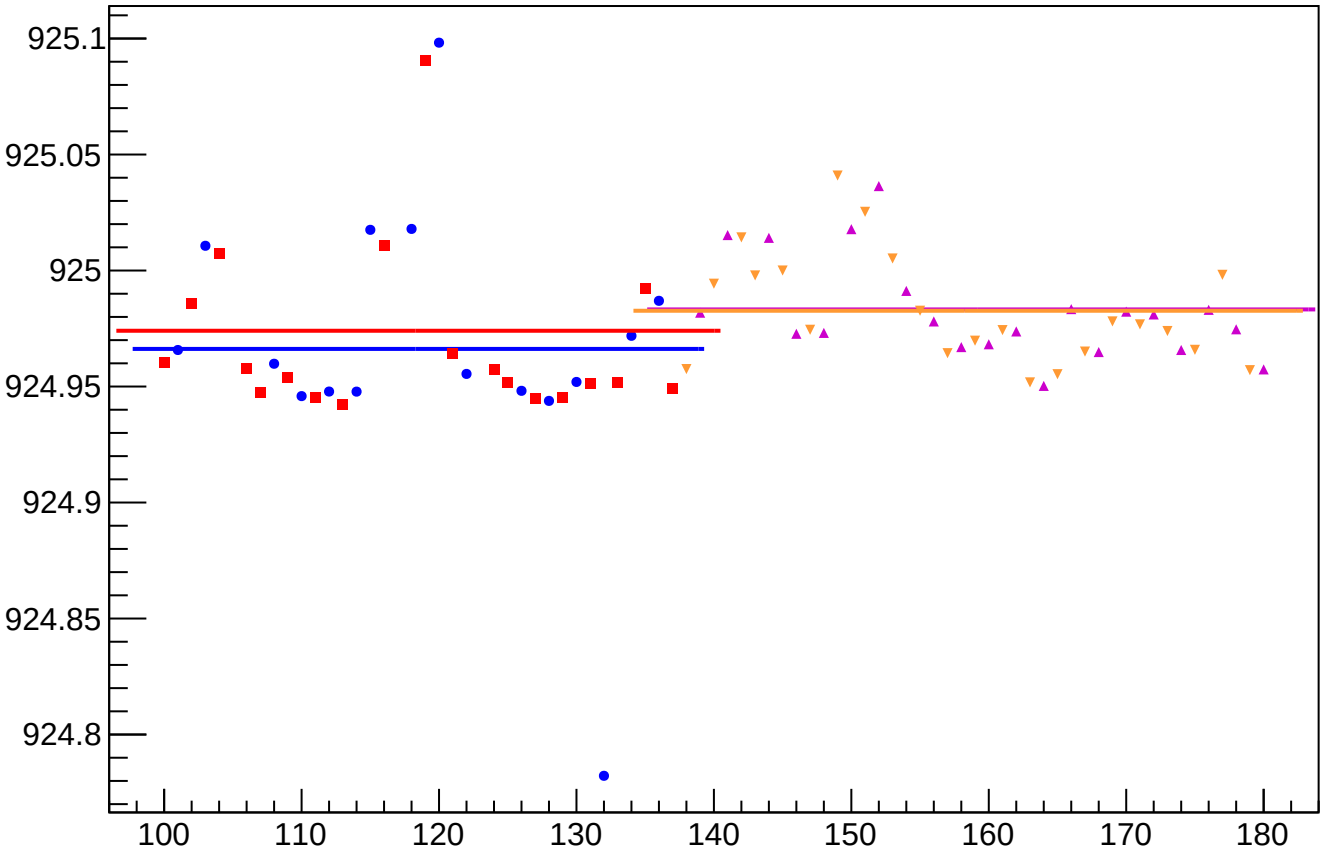
Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.7/77

- 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: 254437050808765880053303712153 6.0/15

+ sign 924.978+/-0.000 χ^2/NDF: 367161064406058

Left Out: 924.983+/-0.000 χ^2/NDF:9846944732323447763769281740 80.0/21

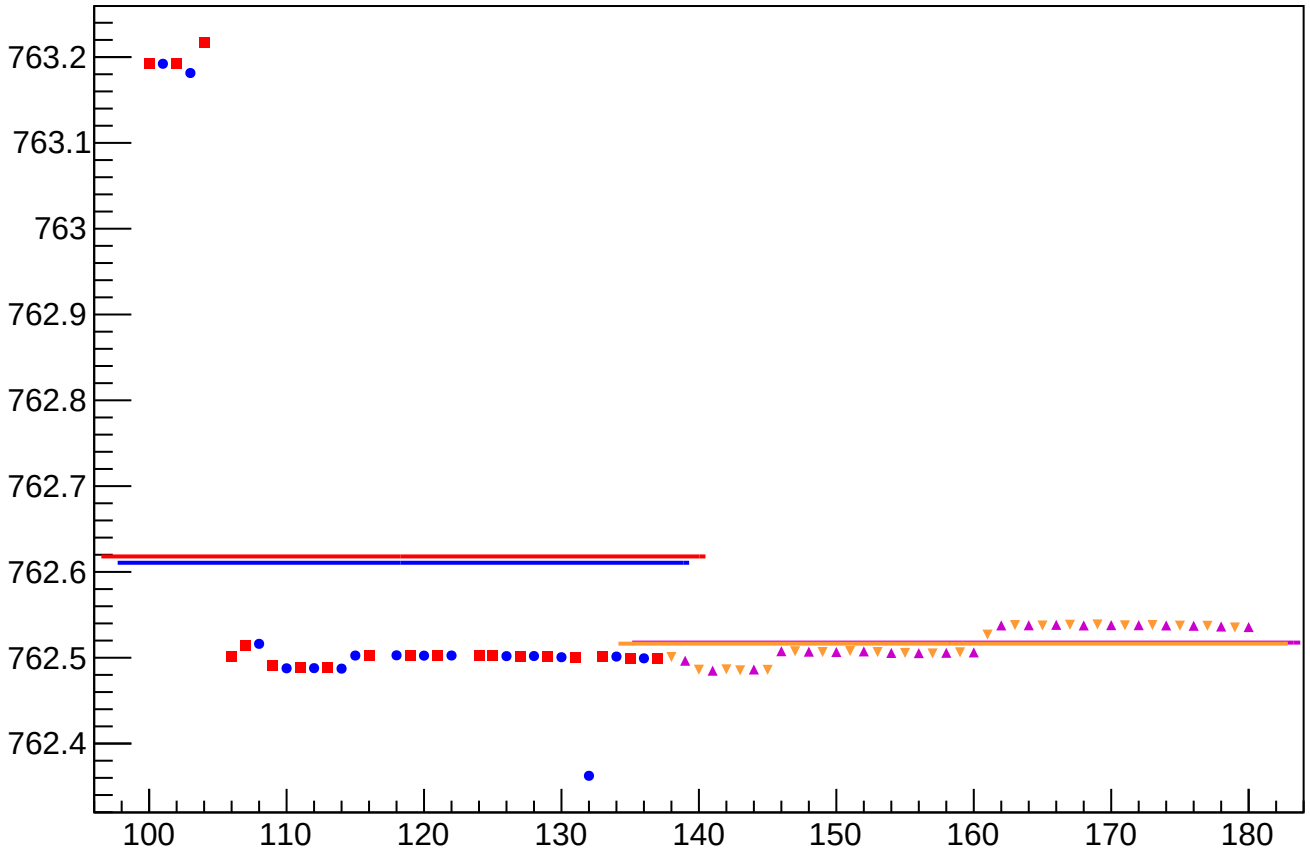
All: 924.979+/-0.000 χ^2/NDF: 57925288518

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

- sign 924.980+/-0.000 χ^2/NDF: 211238098826107

Left In: 924.983+/-0.000 χ^2/NDF:8251806083326247311910444728 32.0/20

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.516+/-0.000 χ^2/NDF:704035912613939782189452361728.0/21

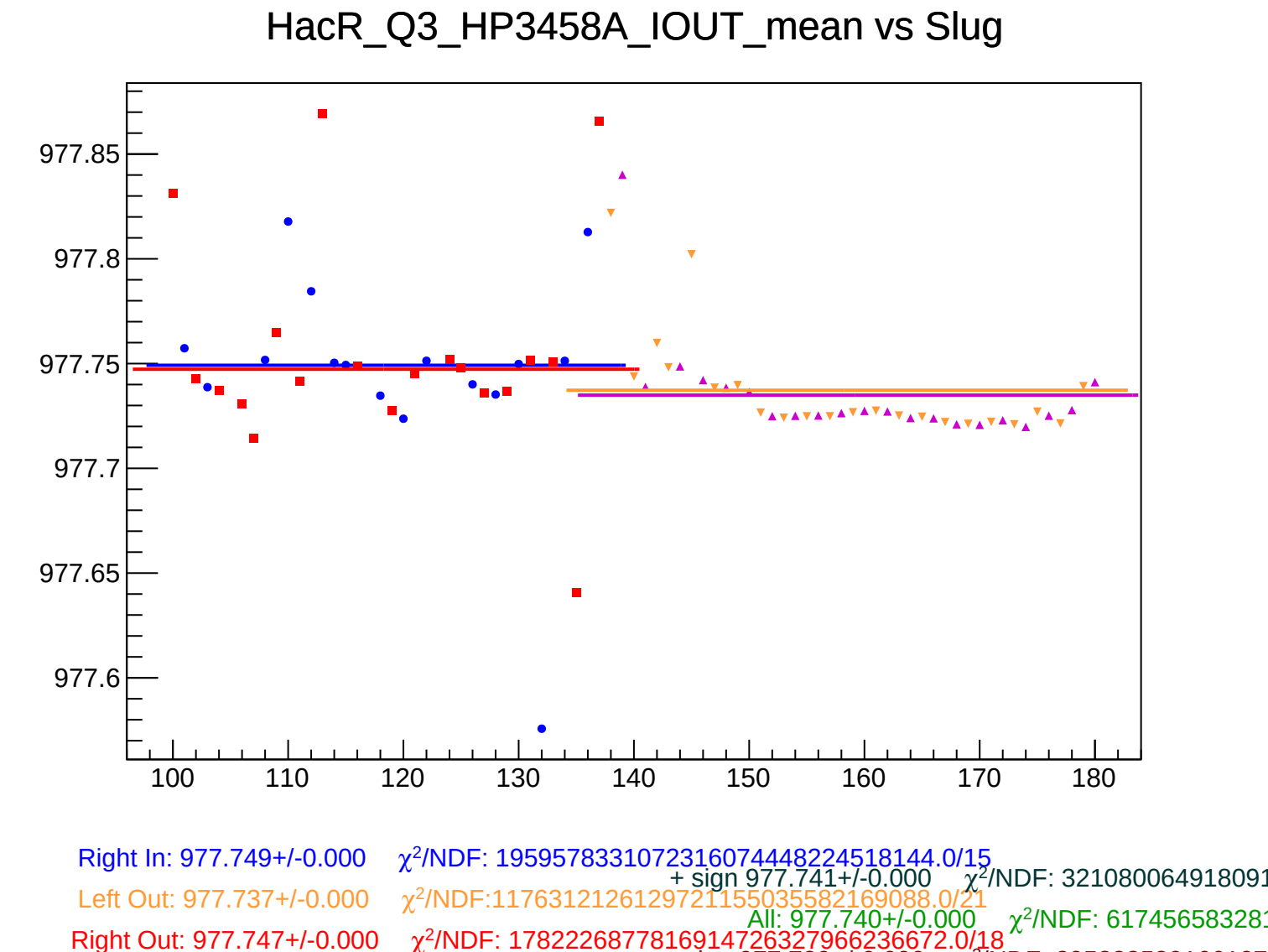
Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: 762.518+/-0.000 χ^2/NDF:6345323869293693007131207270 40.0/20

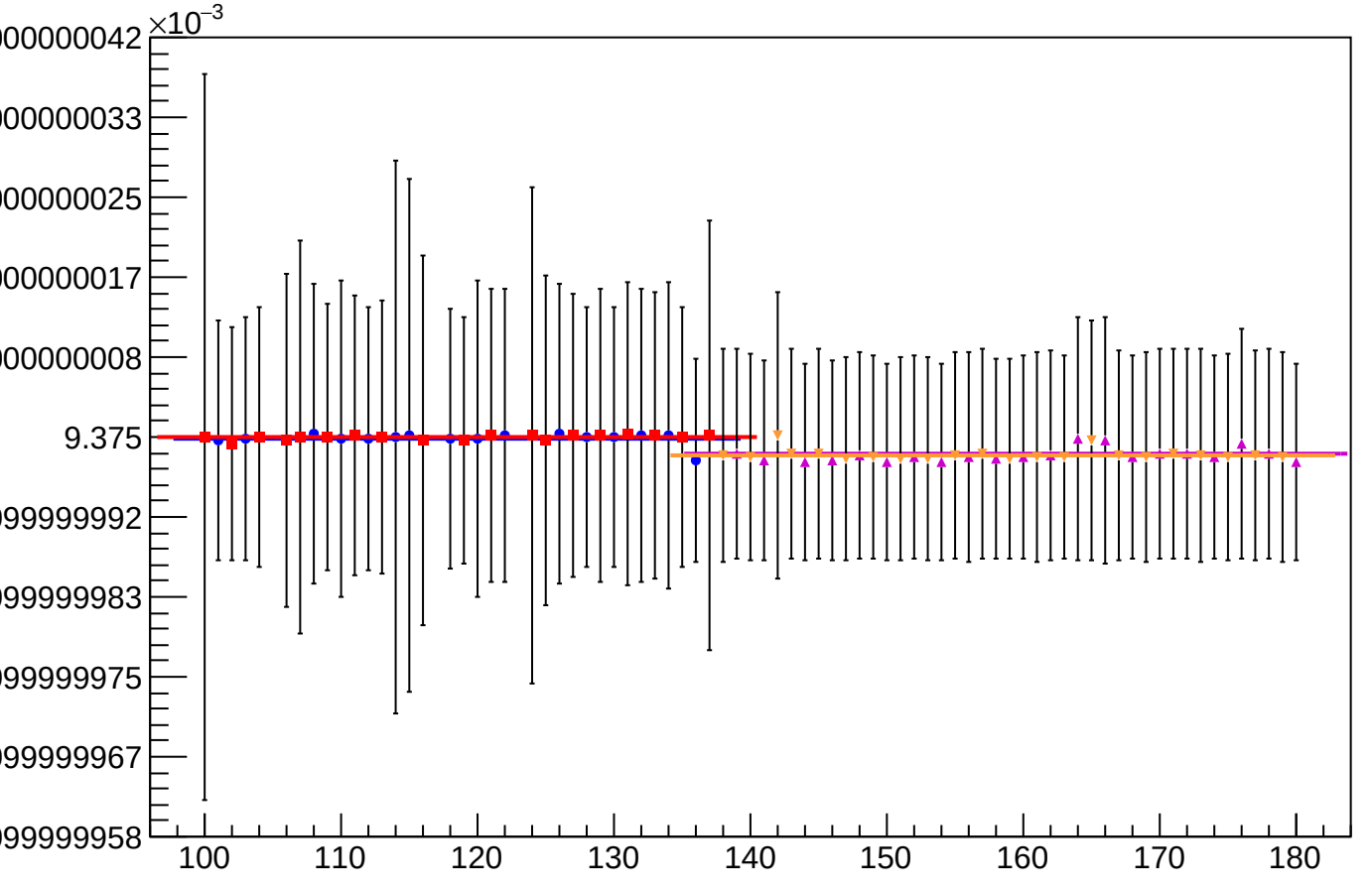
+ sign 762.544+/-0.000 χ^2/NDF: 575447897423718

All: 762.546+/-0.000 χ^2/NDF: 11672937644

- sign 762.548+/-0.000 χ^2/NDF: 591650450821498


HacR_Q3_HP3458A_IOUT_mean vs Slug
977.85
977.8
977.75
977.7
977.65
977.6
100
110
120
130
140
150
160
170
180
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440.0/15
+ sign 977.741+/-0.000 χ²/NDF: 321080064918091
Left Out: 977.737+/-0.000 χ²/NDF:1176312126129721155035582169088.0/21
All: 977.740+/-0.000 χ²/NDF: 617456583281
Right Out: 977.747+/-0.000 χ²/NDF: 178222687781691472632796623672.0/18
- sign 977.739+/-0.000 χ²/NDF: 295823580166107
Left In: 977.735+/-0.000 χ²/NDF:109431275060768157014786729574 4.0/20

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

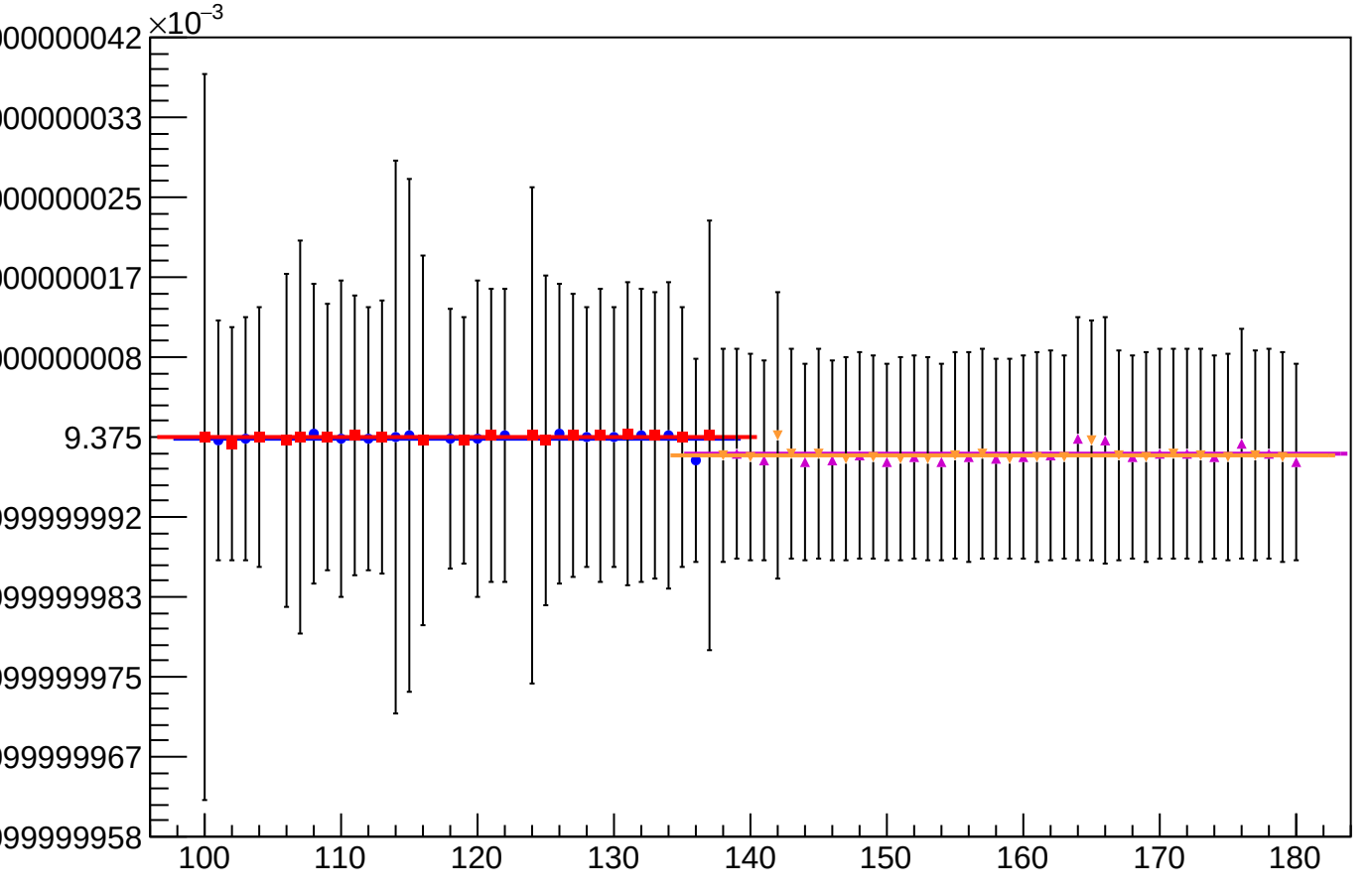
Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.7/77

- 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:0.0/21

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

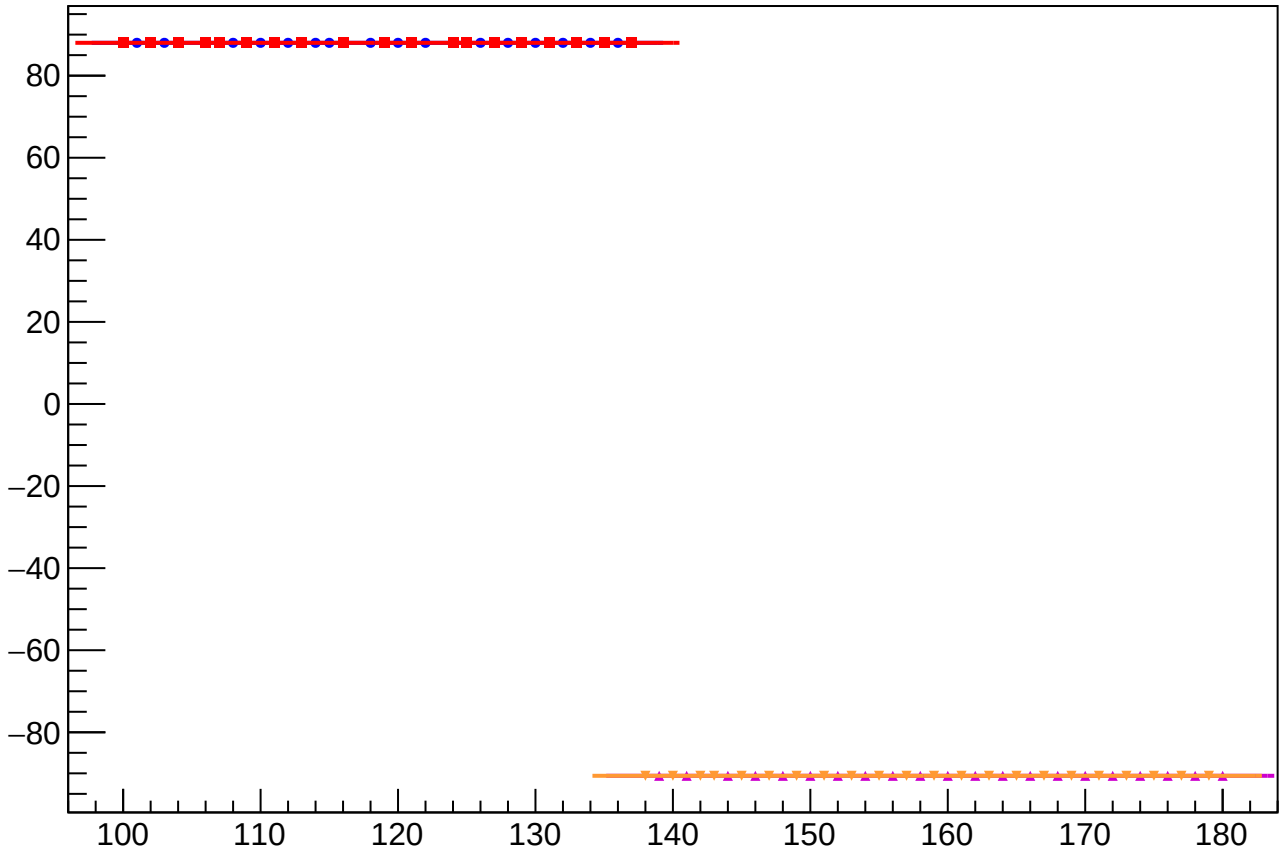
Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.7/77

- 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:4434382.8/21

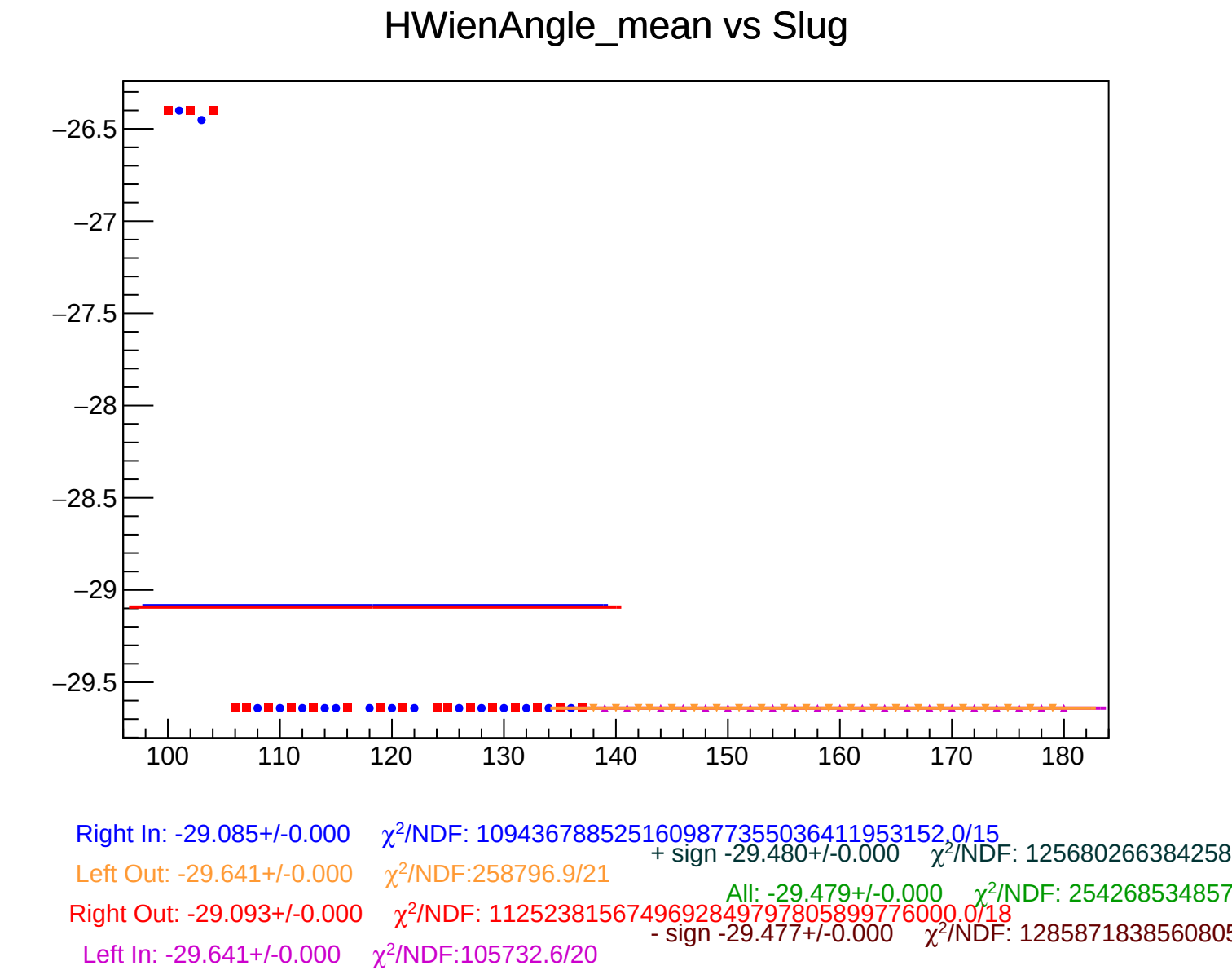
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

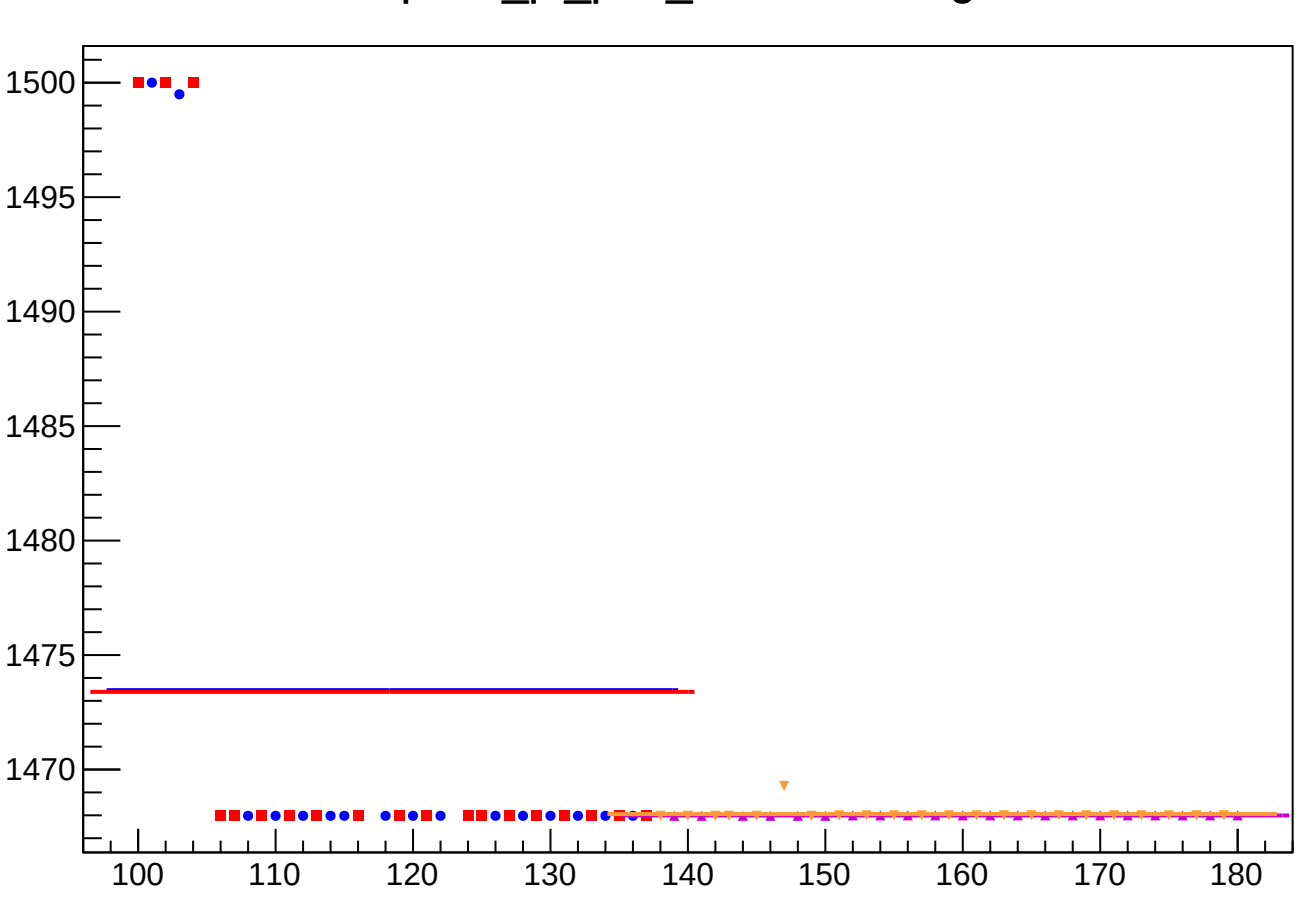
Left In: -90.599+/-0.000 χ^2/NDF:6277161.9/20

+ sign -38.963+/-0.000 χ^2/NDF: 168027700319625

All: -38.135+/-0.000 χ^2/NDF: 338825335953

- sign -37.305+/-0.000 χ^2/NDF: 1707624228471613


HWienAngle_mean vs Slug
−26.5
−27
−27.5
−28
−28.5
−29
−29.5
100
110
120
130
140
150
160
170
180
Right In: -29.085+/-0.000 χ²/NDF: 109436788525160987735503641195315 2.0/15
Left Out: -29.641+/-0.000 χ²/NDF:258796.9/21
Right Out: -29.093+/-0.000 χ²/NDF: 112523815674969284979780589977600 0.0/18
Left In: -29.641+/-0.000 χ²/NDF:105732.6/20
+ sign -29.480+/-0.000 χ²/NDF: 125680266384258
All: -29.479+/-0.000 χ²/NDF: 254268534857
- sign -29.477+/-0.000 χ²/NDF: 128587183856080



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1469.621+/-0.000 χ^2/NDF: 1224585020289

Left Out: 1468.056+/-0.000 χ^2/NDF:13898793069881711089761008589209 6.0/21

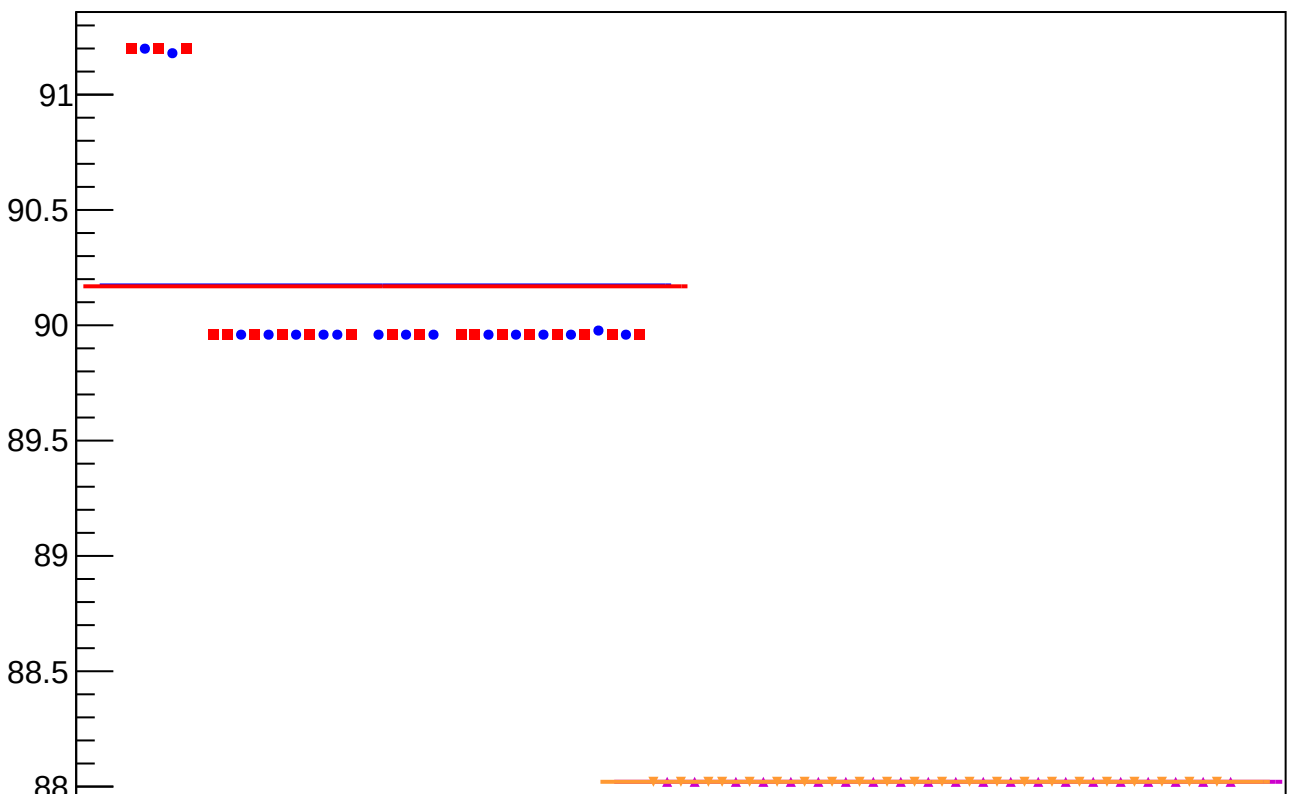
All: 1469.613+/-0.000 χ^2/NDF: 247977933

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

- sign 1469.605+/-0.000 χ^2/NDF: 12551914250764

Left In: 1467.993+/-0.000 χ^2/NDF:15161649940393051534323718553 6.0/20

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3901239.0/21

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

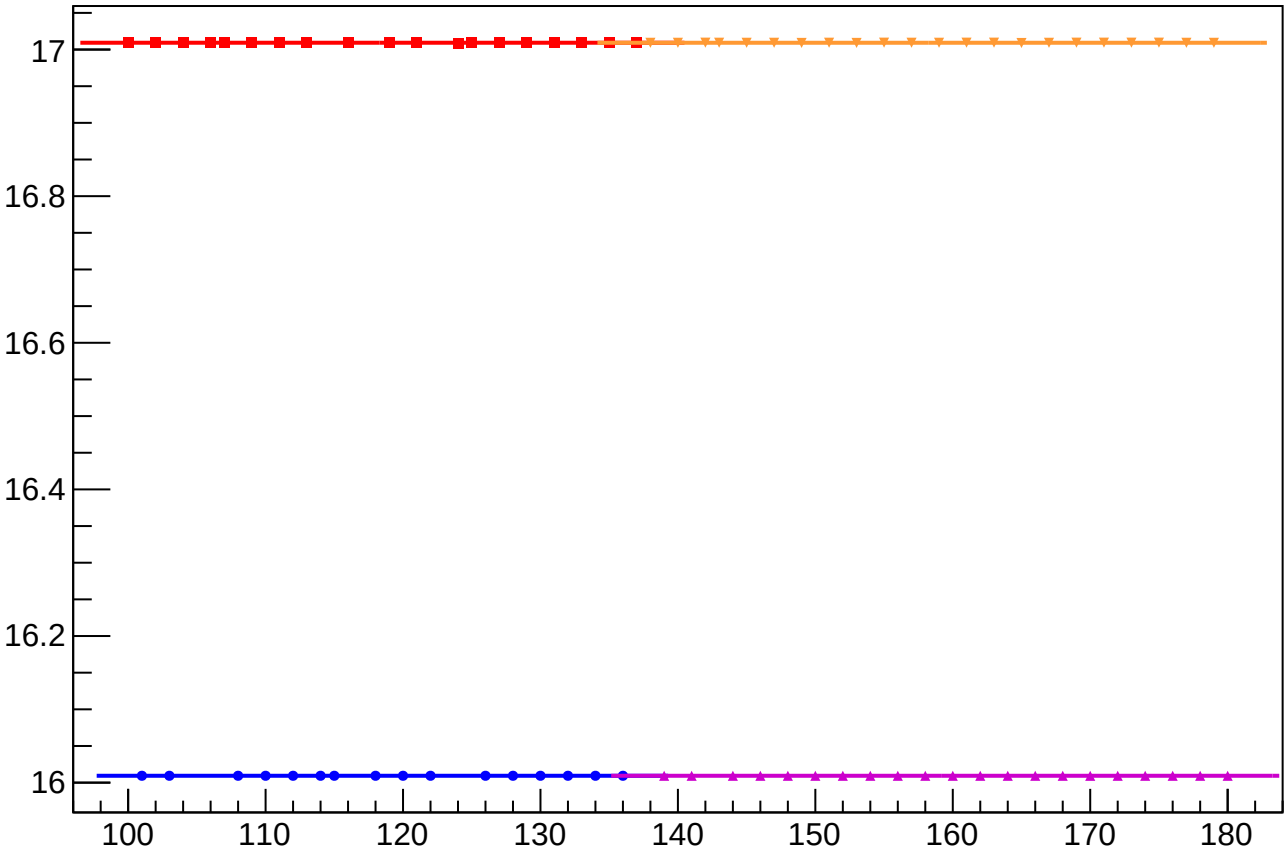
Left In: 88.021+/-0.000 χ^2/NDF:6192343.5/20

+ sign 88.643+/-0.000 χ^2/NDF: 2599642347546937

All: 88.652+/-0.000 χ^2/NDF: 5235394573223

- 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:2533290164133295377560371 2.0/21

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

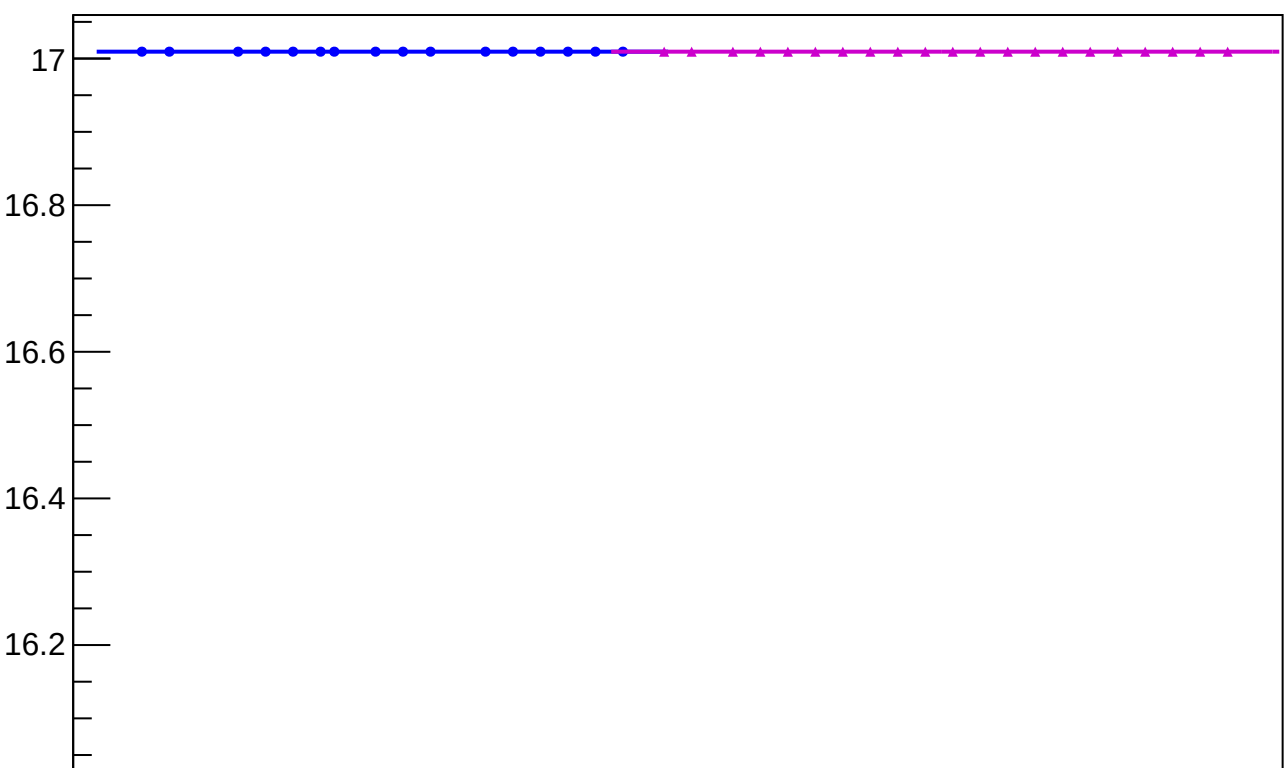
Left In: 16.009+/-0.000 χ^2/NDF:12434309306402124228198 4.0/20

+ sign 16.714+/-0.000 χ^2/NDF: 4946436093604792

All: 16.510+/-0.000 χ^2/NDF: 118373433341

- 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:119490.3/21

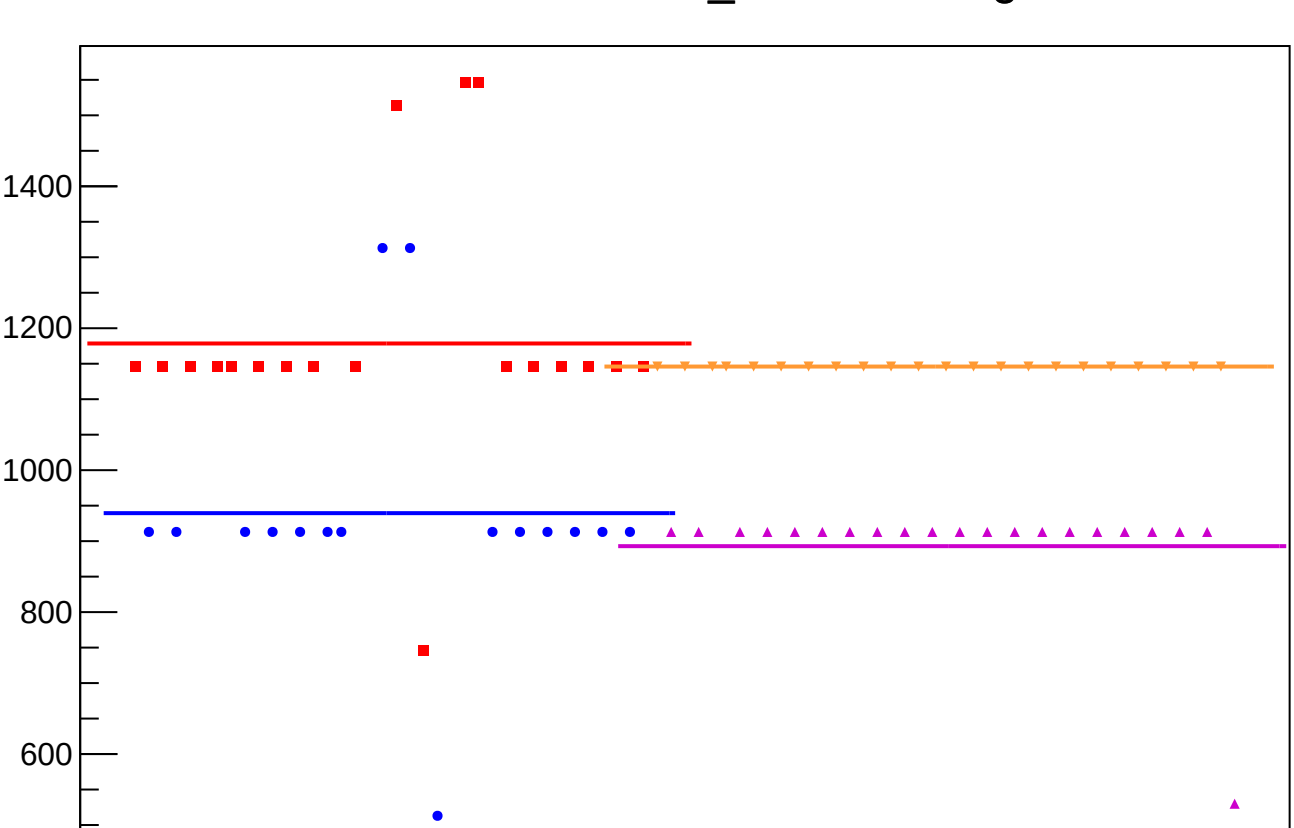
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:1106706984481048986910720/20

+ sign 16.292+/-0.000 χ^2/NDF: 5073000399520568

All: 16.499+/-0.000 χ^2/NDF: 1251997810742

- sign 16.707+/-0.000 χ^2/NDF: 5292091170847960



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1086.290+/-0.000 χ^2/NDF: 4355958495567

Left Out: 1146.011+/-0.000 χ^2/NDF:690651272963950813131385966592.0/21

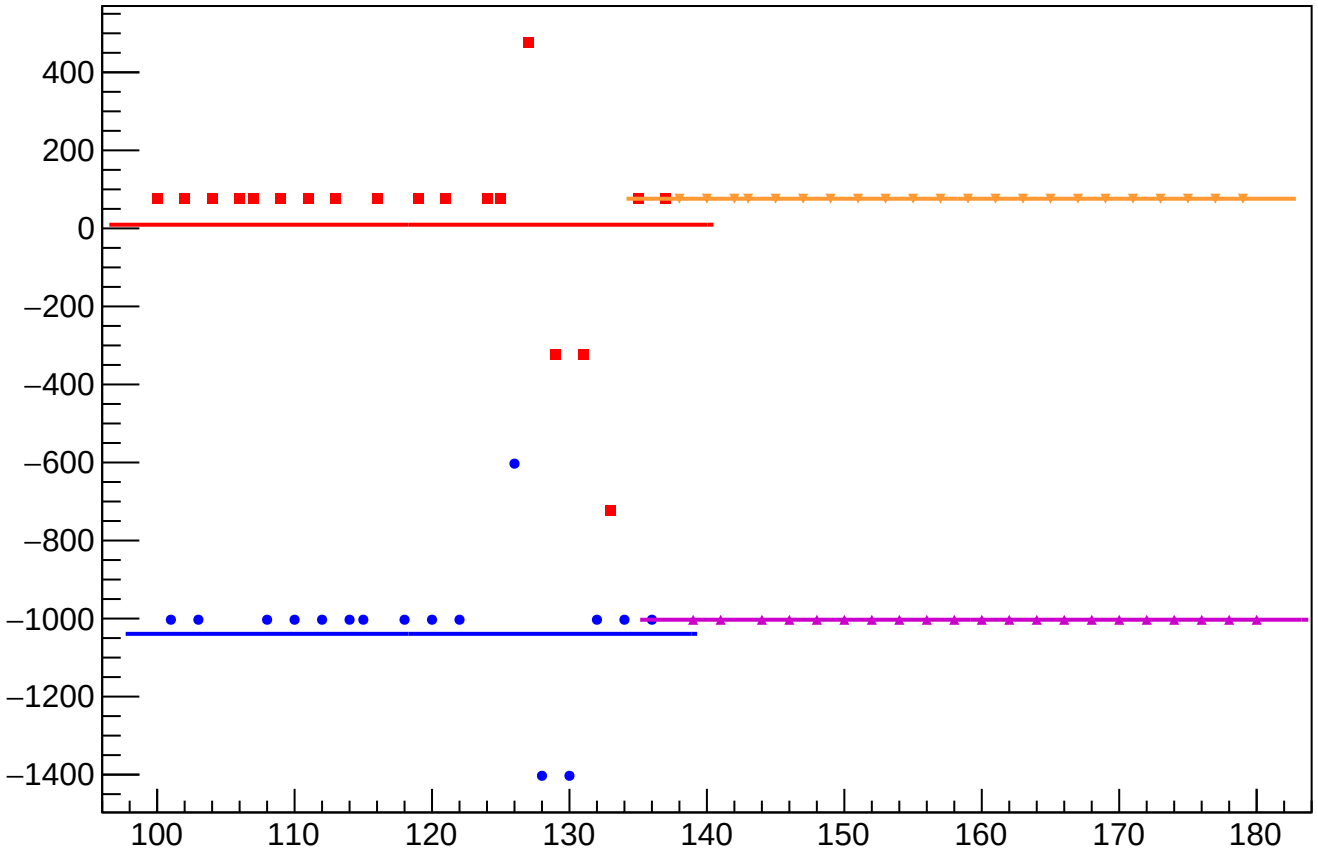
All: 1032.281+/-0.000 χ^2/NDF: 1373948952

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



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -246.400+/-0.000 χ^2/NDF: 67795655243612

Left Out: 76.011+/-0.000 χ^2/NDF:10148658138728192048730472448.0/21

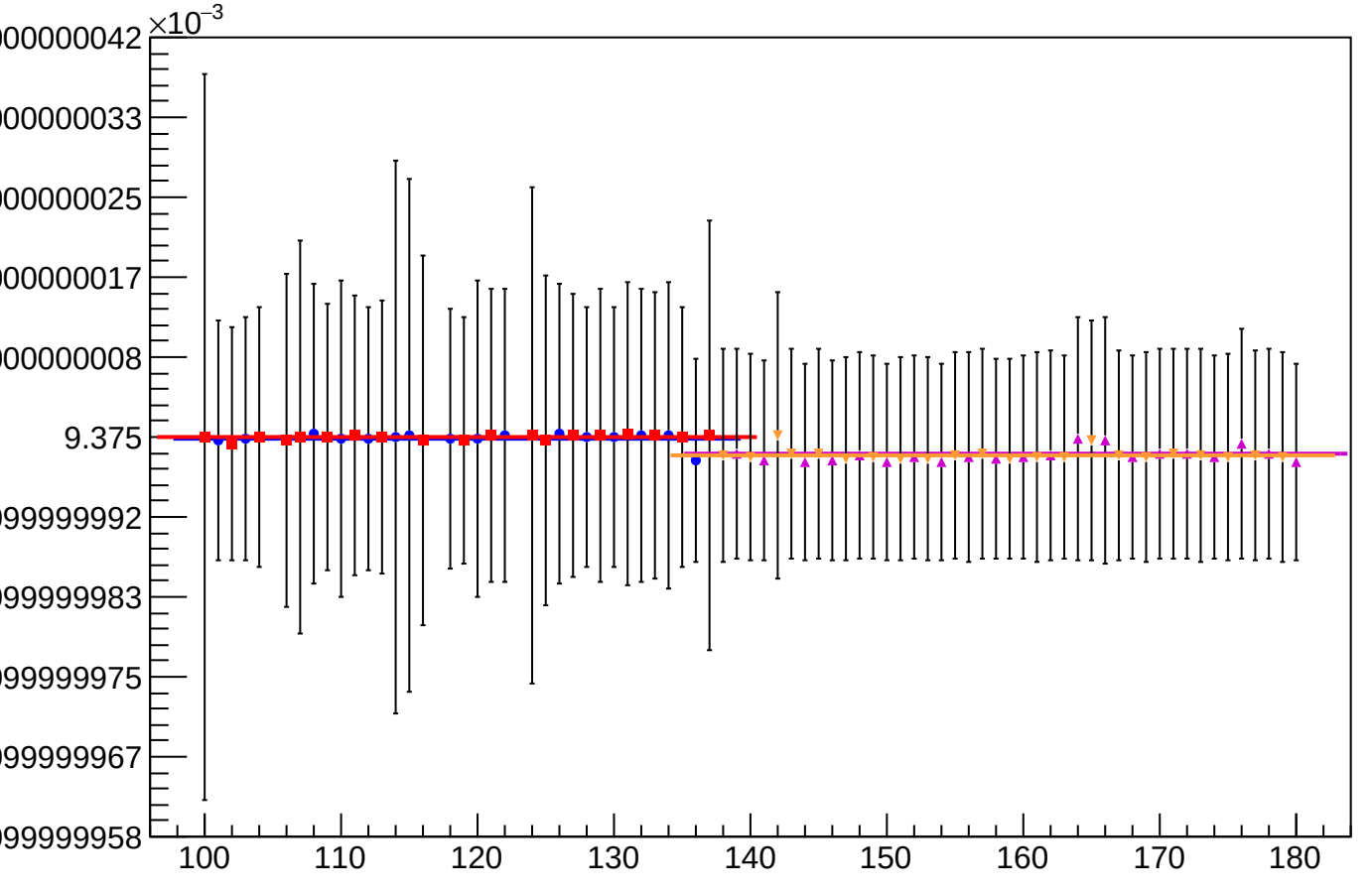
All: -473.377+/-0.000 χ^2/NDF: 15371118468

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920/18

- sign -700.887+/-0.000 χ^2/NDF: 59476036391978

Left In: -1002.990+/-0.000 χ^2/NDF:26848424932820696253710991360/20

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:0.0/21

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

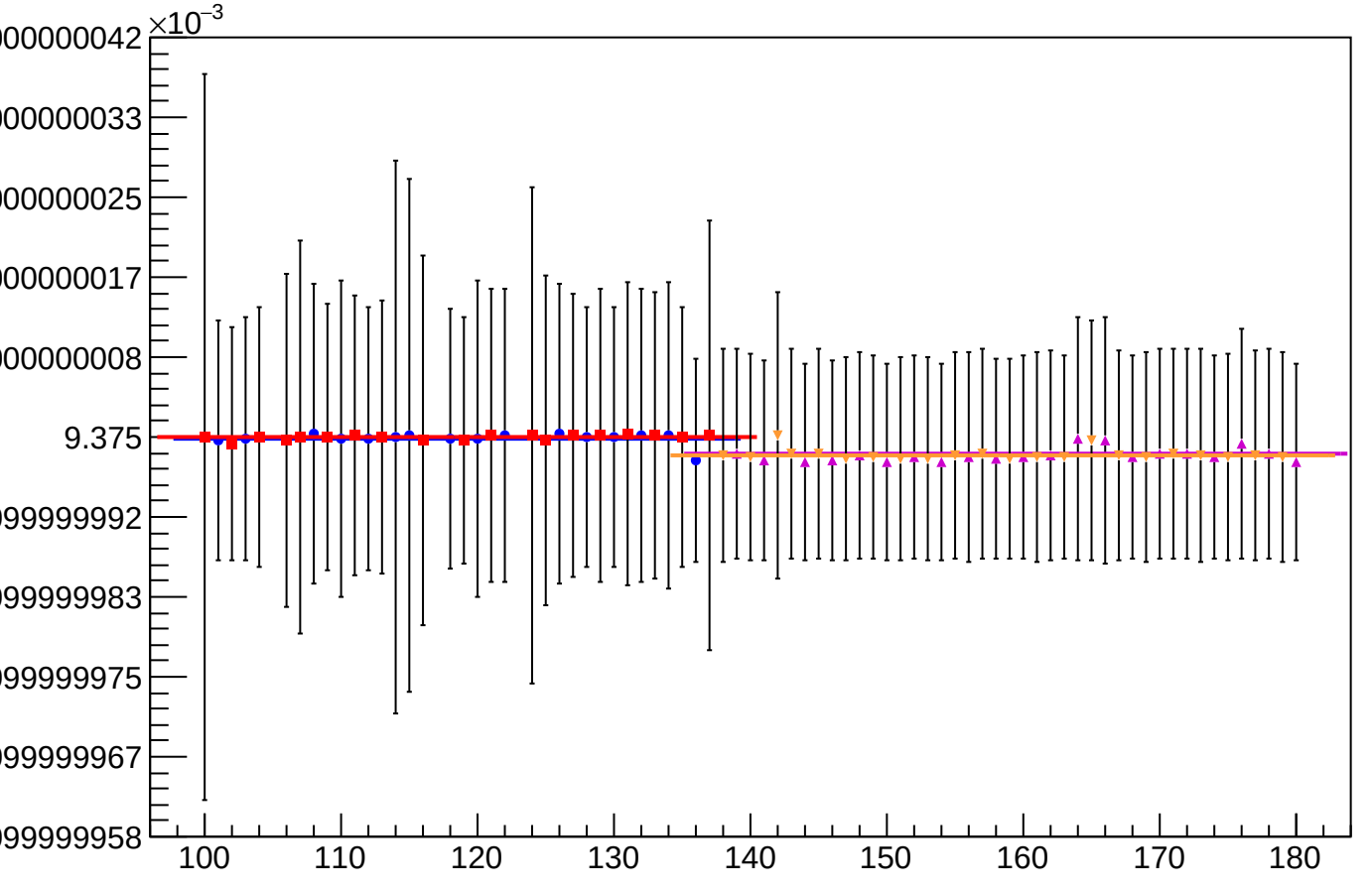
Left In: 0.009+/-0.000 χ^2/NDF:0.1/20

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.7/77

- 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:0.0/21

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: 0.2/37

All: 0.009+/-0.000 χ^2/NDF: 0.7/77

- sign 0.009+/-0.000 χ^2/NDF: 0.3/39