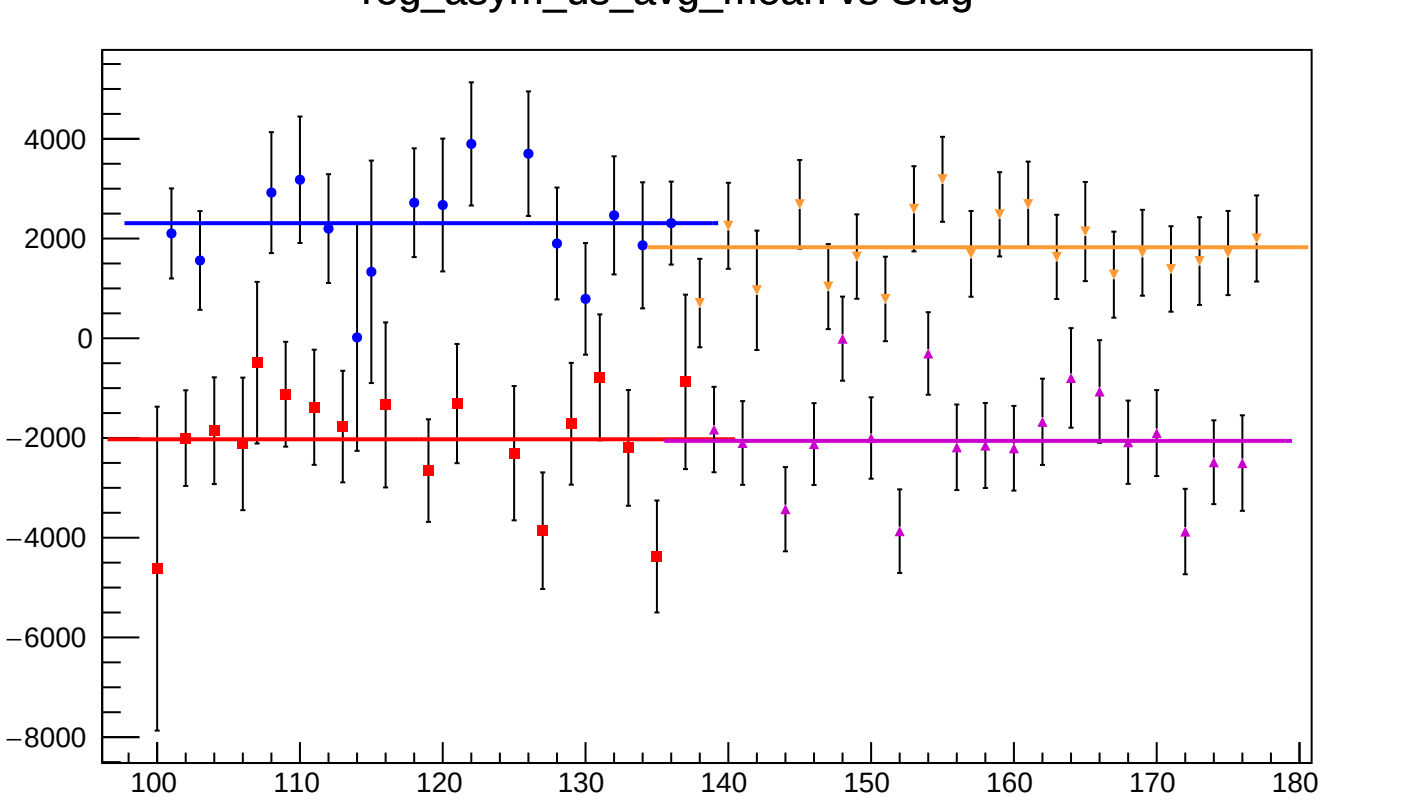


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1825.455+/-195.685 χ^2/NDF:11.7/19

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

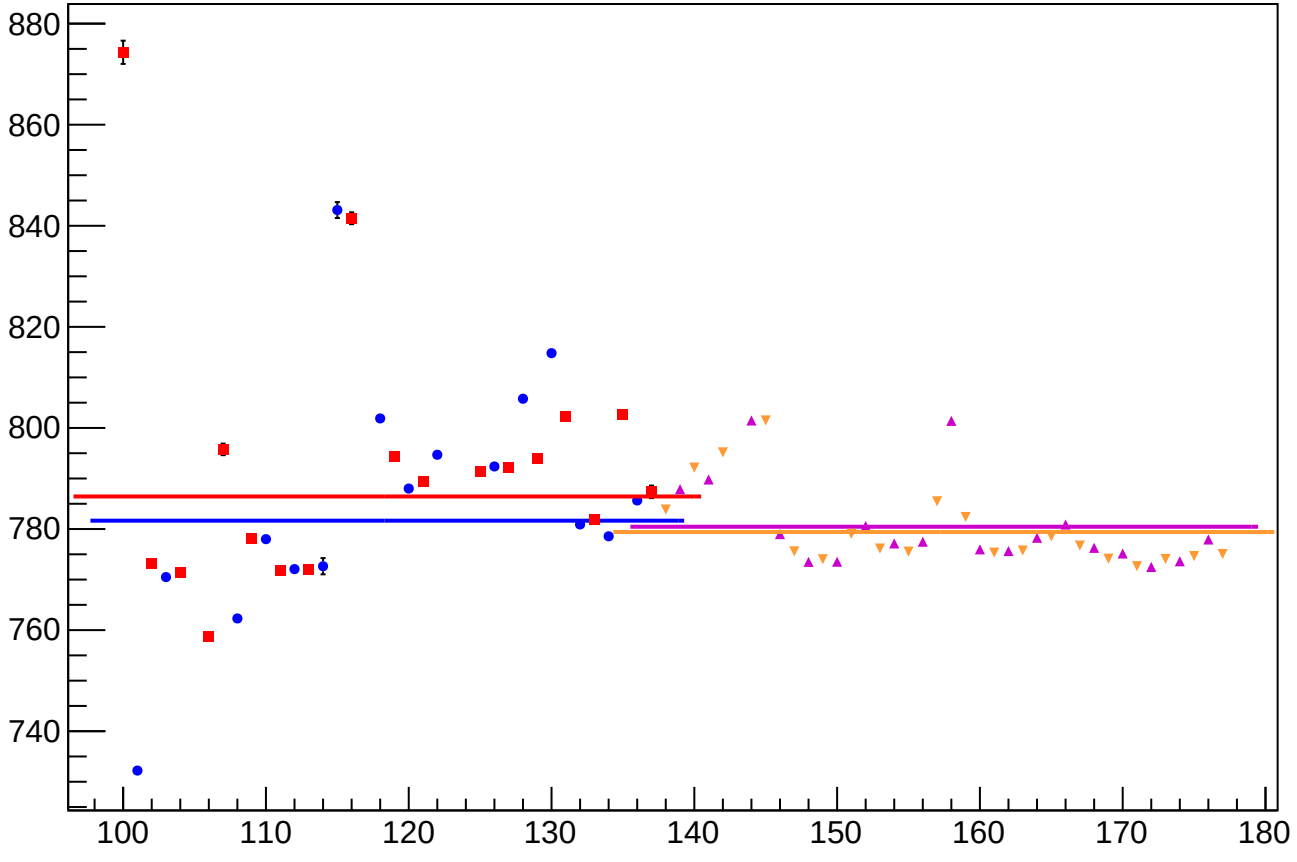
Left In: -2057.819+/-197.982 χ^2/NDF:25.6/18

+ sign 1976.168+/-162.286 χ^2/NDF: 21.4/35

All: -21.017+/-115.171 χ^2/NDF: 364.1/72

- sign -2047.575+/-163.475 χ^2/NDF: 37.5/36

reg_asym_us_avg_rms vs Slug



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

Left Out: 779.414+/-0.138 χ^2/NDF:2874.2/19

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

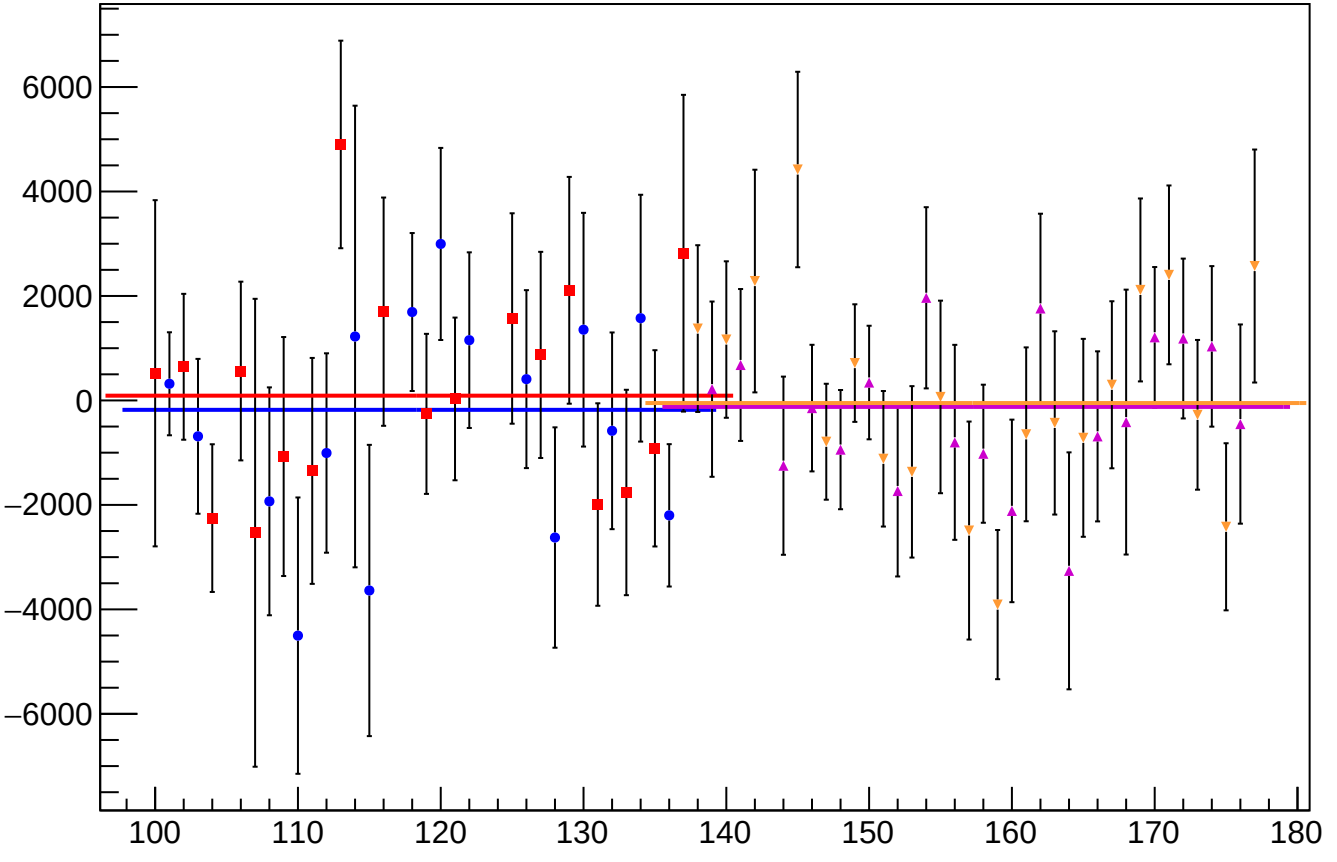
Left In: 780.453+/-0.140 χ^2/NDF:3756.5/18

+ sign 780.113+/-0.115 χ^2/NDF: 15275.1/35

All: 781.228+/-0.081 χ^2/NDF: 27005.9/72

- sign 782.359+/-0.116 χ^2/NDF: 11540.8/36

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: -49.977+/-352.954 χ^2/NDF:26.8/19

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

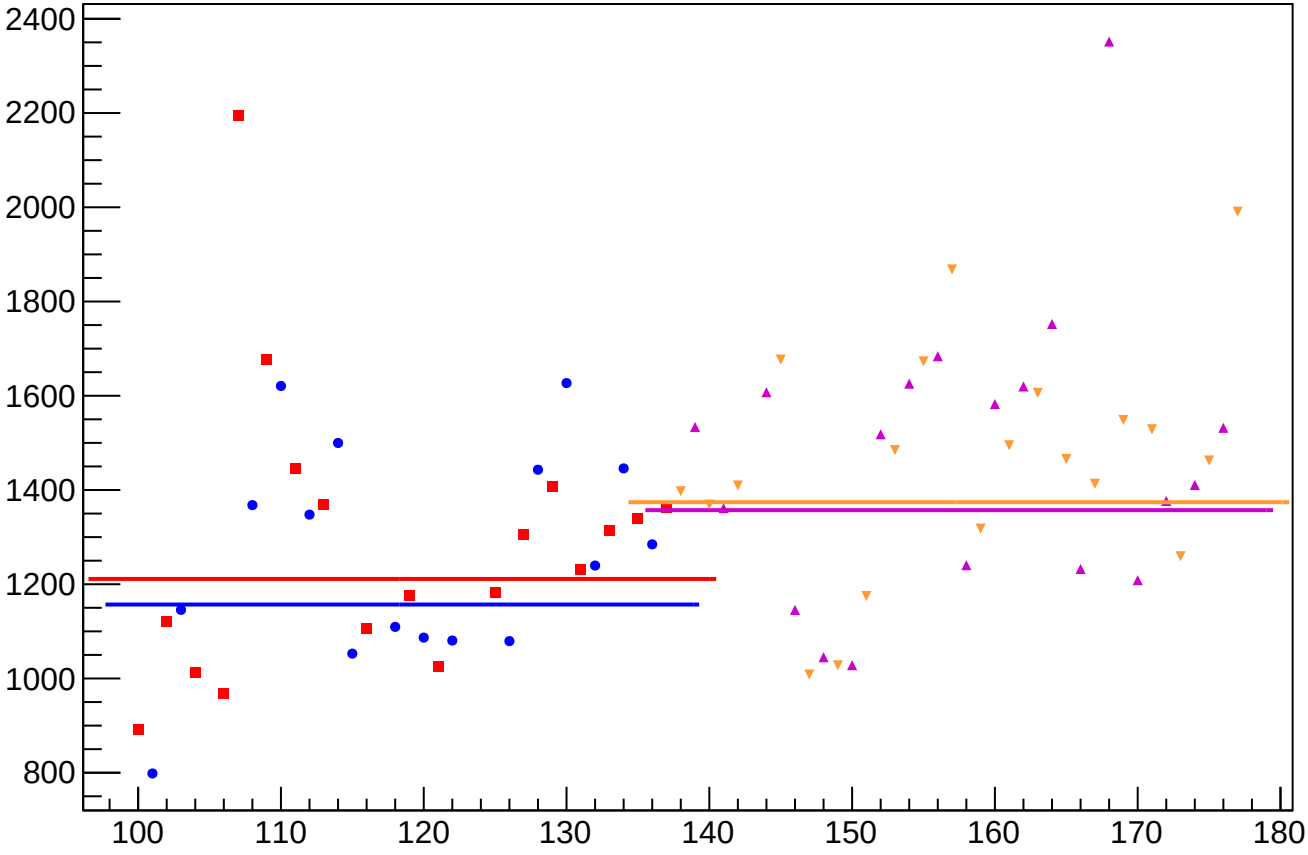
Left In: -123.938+/-352.022 χ^2/NDF:11.2/18

+ sign -100.749+/-275.508 χ^2/NDF: 42.2/35

All: -72.325+/-195.821 χ^2/NDF: 68.8/72

- sign -43.306+/-278.379 χ^2/NDF: 26.6/36

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1374.077+/-0.250 χ^2/NDF:942993.0/19

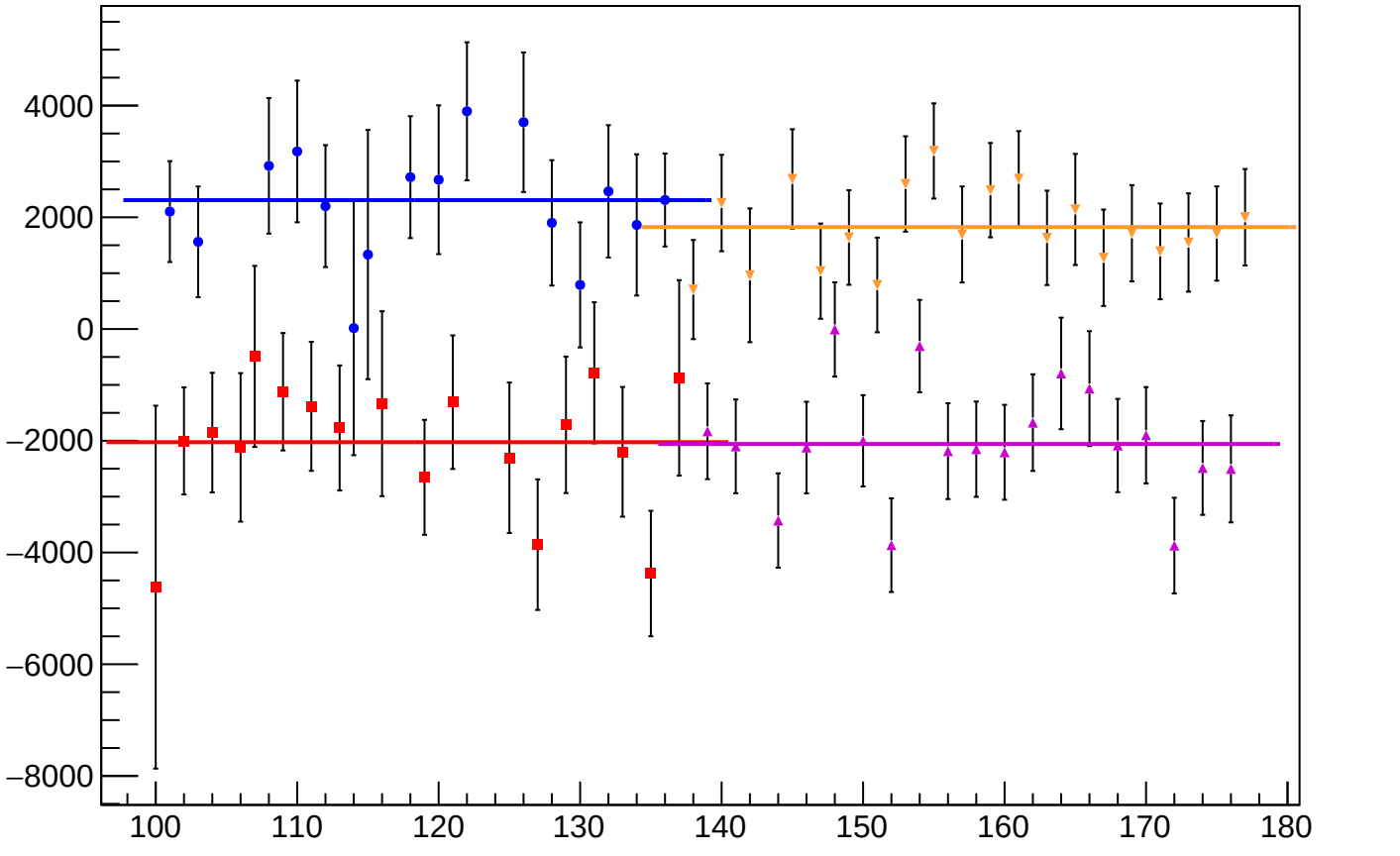
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1357.237+/-0.249 χ^2/NDF:1102267.4/18

+ sign 1289.245+/-0.195 χ^2/NDF: 1807825.5/35

All: 1295.829+/-0.138 χ^2/NDF: 3438954.5/72

- sign 1302.550+/-0.197 χ^2/NDF: 1628820.9/36



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

Left Out: 1825.455+/-195.685 χ^2/NDF:11.7/19

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

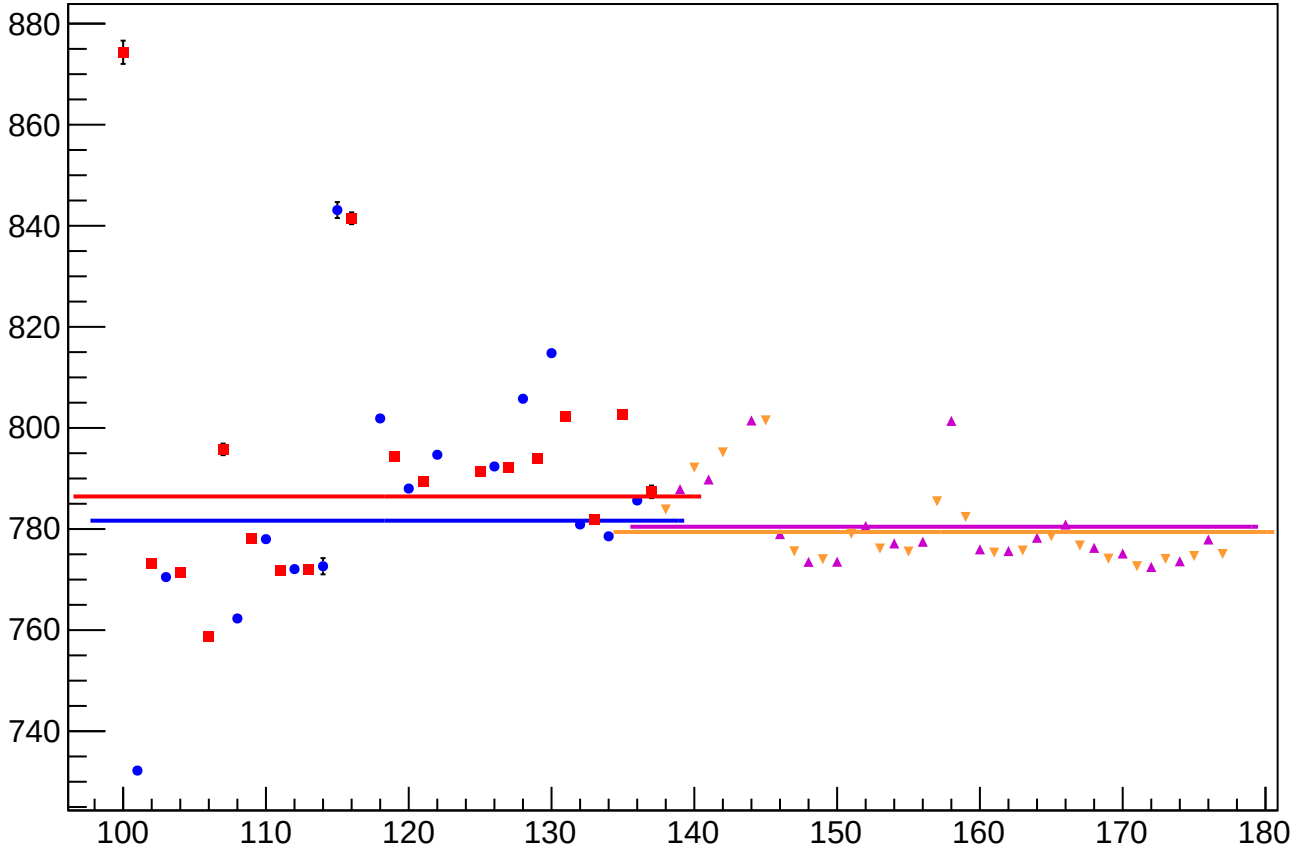
Left In: -2057.819+/-197.982 χ^2/NDF:25.6/18

+ sign 1976.168+/-162.286 χ^2/NDF: 21.4/35

All: -21.017+/-115.171 χ^2/NDF: 364.1/72

- sign -2047.575+/-163.475 χ^2/NDF: 37.5/36

cor_asym_us_avg_rms vs Slug



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

Left Out: 779.414+/-0.138 χ^2/NDF:2874.2/19

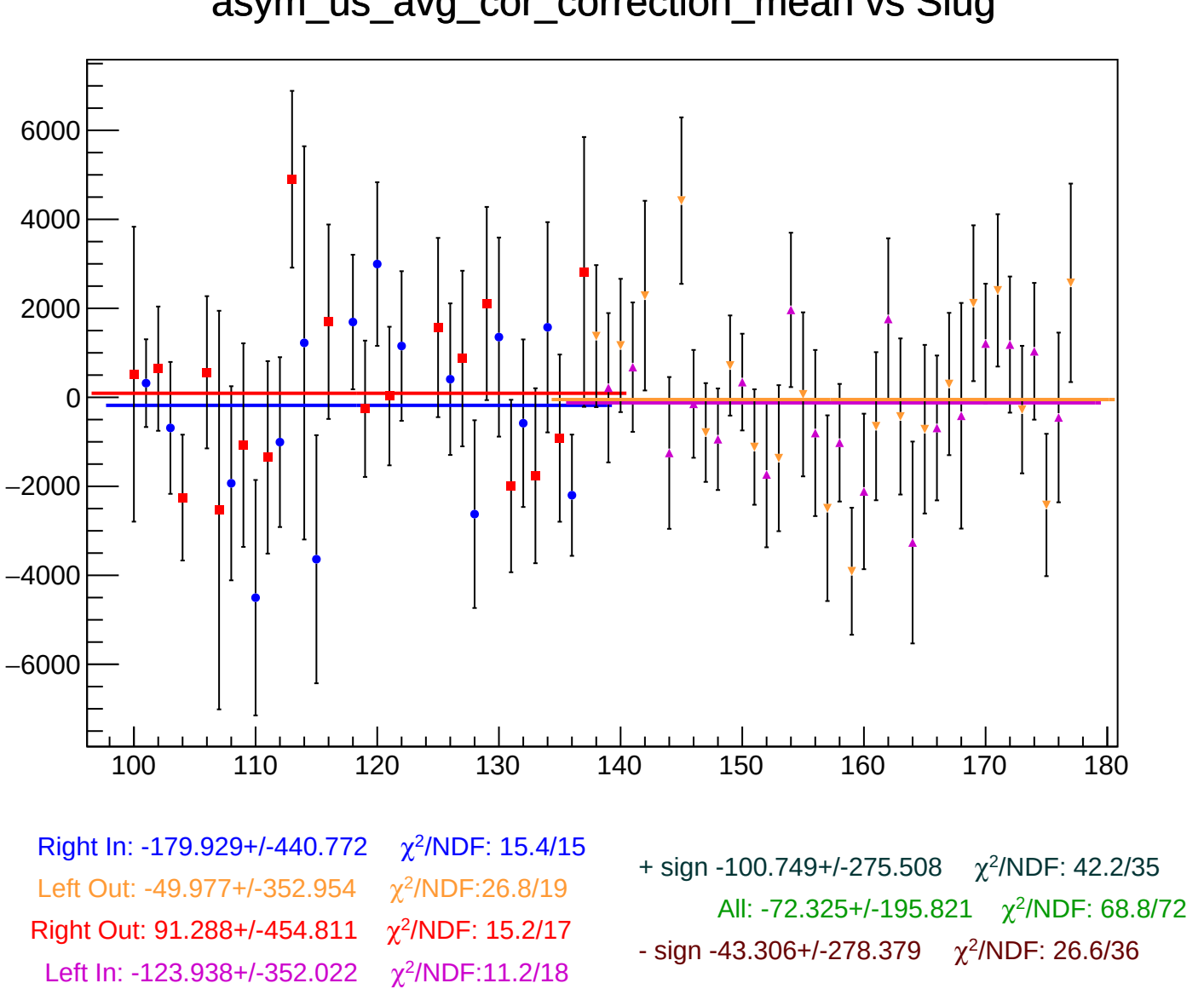
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 780.453+/-0.140 χ^2/NDF:3756.5/18

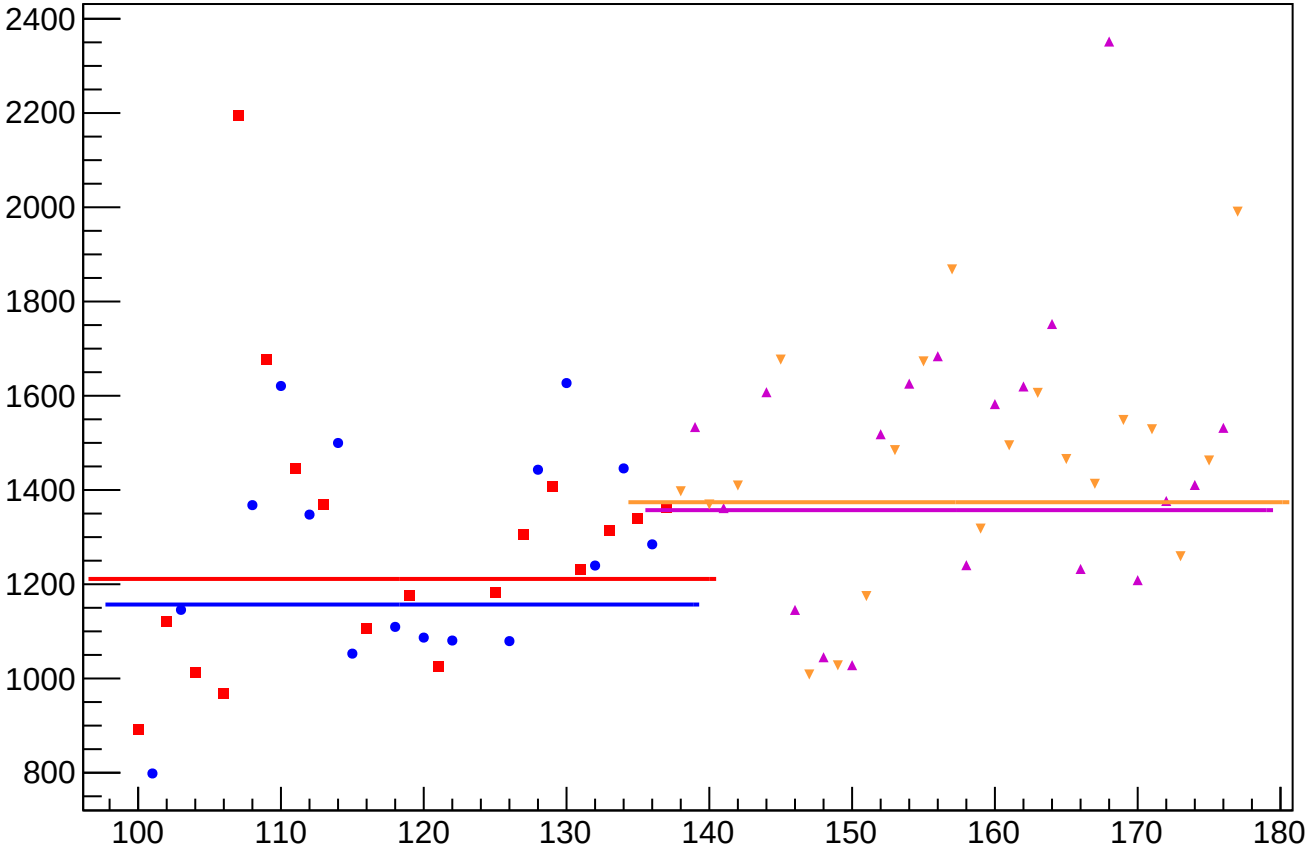
\+ sign 780.113+/-0.115 χ^2/NDF: 15275.1/35

All: 781.228+/-0.081 χ^2/NDF: 27005.9/72

\- sign 782.359+/-0.116 χ^2/NDF: 11540.8/36


asym_us_avg_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -49.977+/-352.954 χ²/NDF:26.8/19
Right Out: 91.288+/-454.811 χ²/NDF: 15.2/17
Left In: -123.938+/-352.022 χ²/NDF:11.2/18
+ sign -100.749+/-275.508 χ²/NDF: 42.2/35
All: -72.325+/-195.821 χ²/NDF: 68.8/72
- sign -43.306+/-278.379 χ²/NDF: 26.6/36

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1374.077+/-0.250 χ^2/NDF:942993.0/19

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

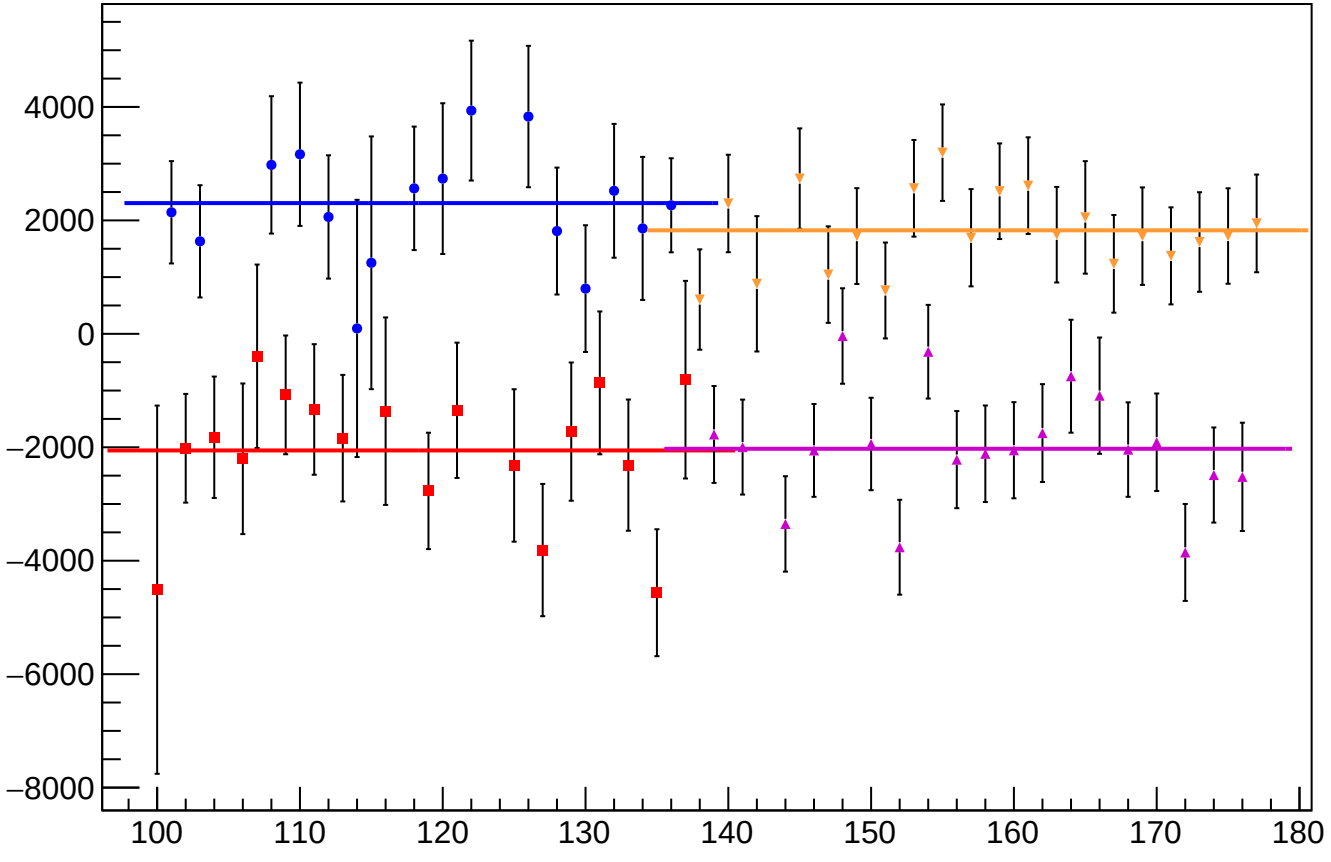
Left In: 1357.237+/-0.249 χ^2/NDF:1102267.4/18

+ sign 1289.245+/-0.195 χ^2/NDF: 1807825.5/35

All: 1295.829+/-0.138 χ^2/NDF: 3438954.5/72

- sign 1302.550+/-0.197 χ^2/NDF: 1628820.9/36

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1824.724+/-195.170 χ^2/NDF:12.1/19

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

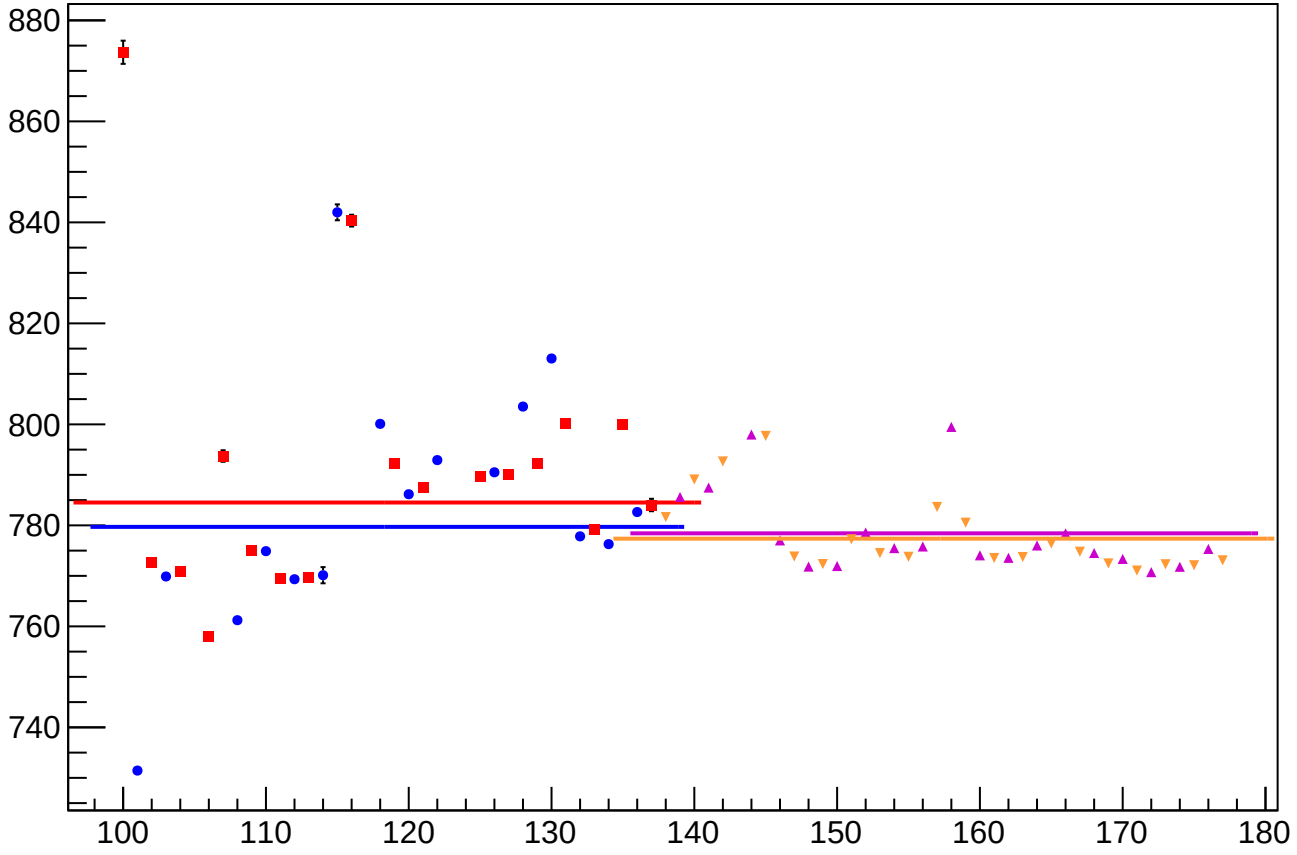
Left In: -2026.396+/-197.466 χ^2/NDF:24.6/18

+ sign 1974.608+/-161.865 χ^2/NDF: 22.1/35

All: -15.832+/-114.875 χ^2/NDF: 364.2/72

- sign -2035.708+/-163.057 χ^2/NDF: 37.5/36

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 777.370+/-0.138 χ^2/NDF:2569.5/19

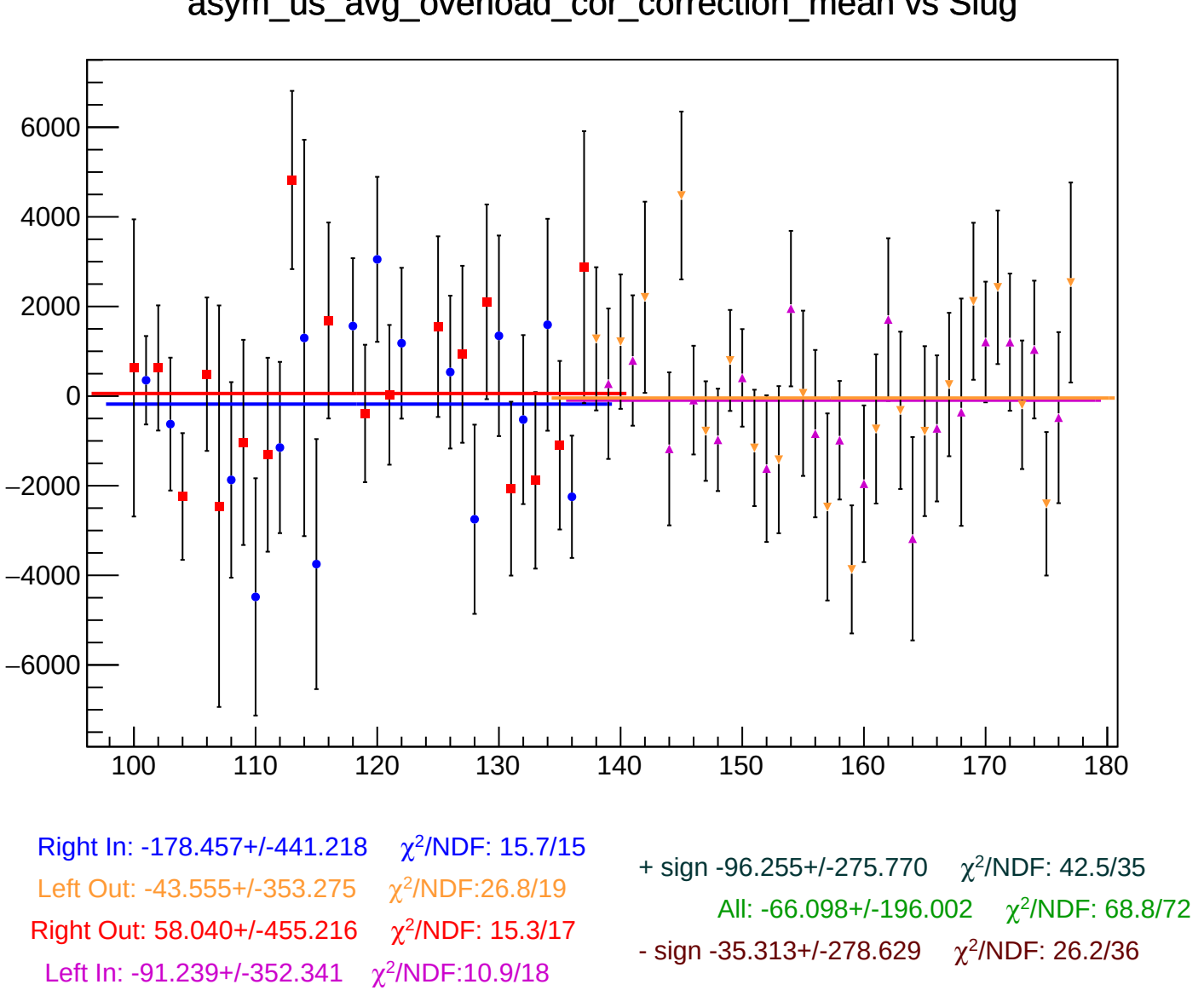
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 778.423+/-0.140 χ^2/NDF:3531.3/18

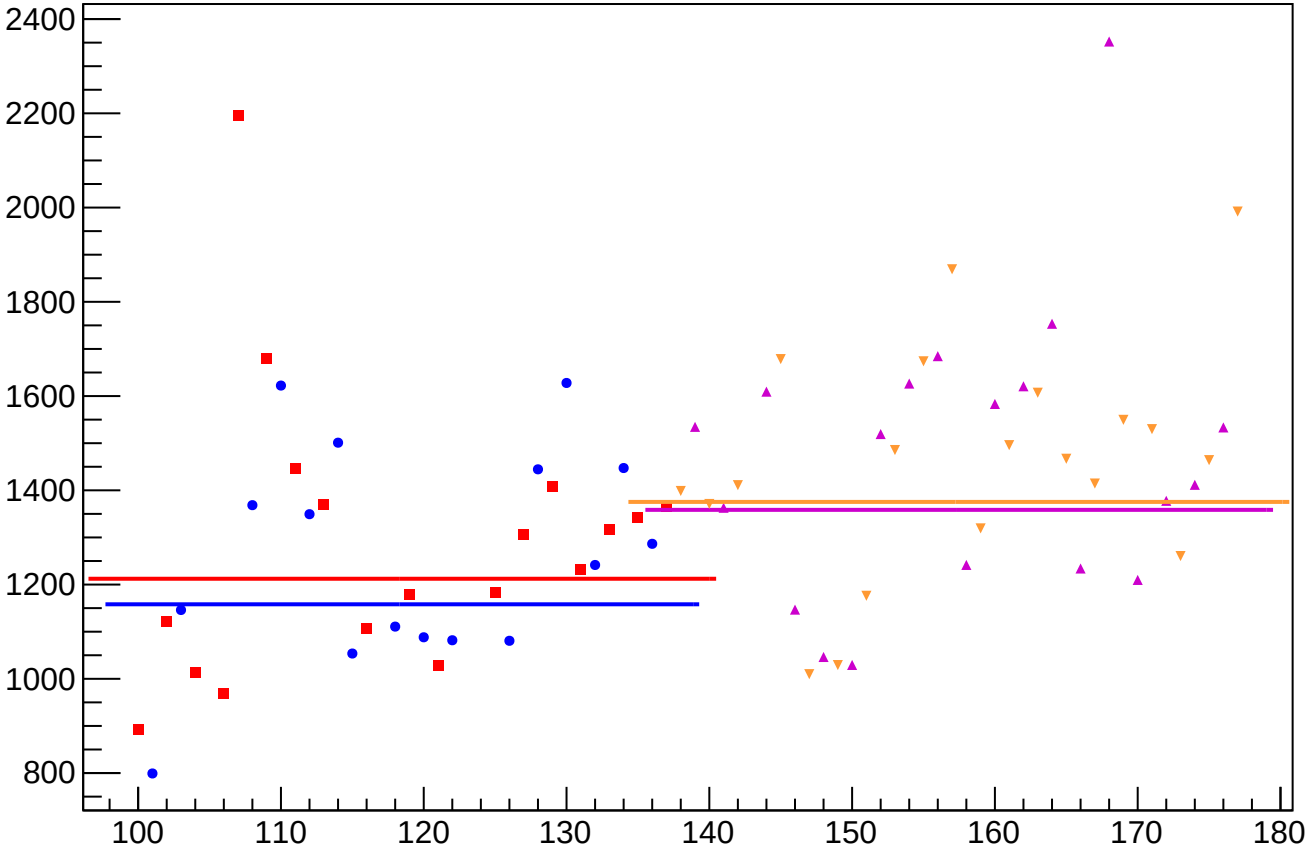
+ sign 778.098+/-0.114 χ^2/NDF: 14718.8/35

All: 779.223+/-0.081 χ^2/NDF: 26212.2/72

- sign 780.364+/-0.115 χ^2/NDF: 11298.7/36


asym_us_avg_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: -43.555+/-353.275 χ²/NDF:26.8/19
Right Out: 58.040+/-455.216 χ²/NDF: 15.3/17
Left In: -91.239+/-352.341 χ²/NDF:10.9/18
+ sign -96.255+/-275.770 χ²/NDF: 42.5/35
All: -66.098+/-196.002 χ²/NDF: 68.8/72
- sign -35.313+/-278.629 χ²/NDF: 26.2/36

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1375.407+/-0.250 χ^2/NDF:940491.2/19

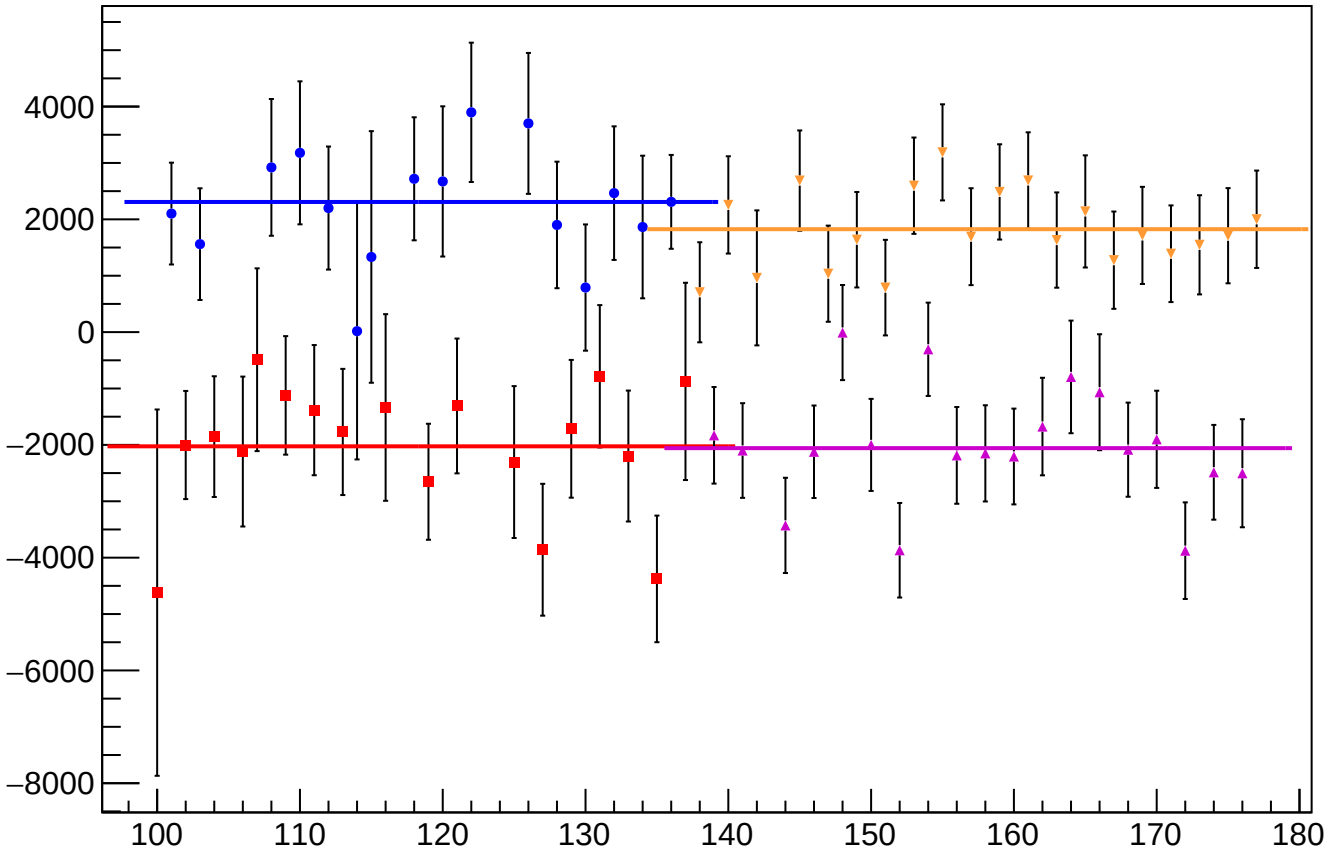
Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

Left In: 1358.535+/-0.249 χ^2/NDF:1099820.5/18

+ sign 1290.529+/-0.195 χ^2/NDF: 1805169.3/35

All: 1297.080+/-0.139 χ^2/NDF: 3434195.4/72

- sign 1303.766+/-0.197 χ^2/NDF: 1626746.0/36



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

Left Out: 1825.455+/-195.685 χ^2/NDF:11.7/19

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

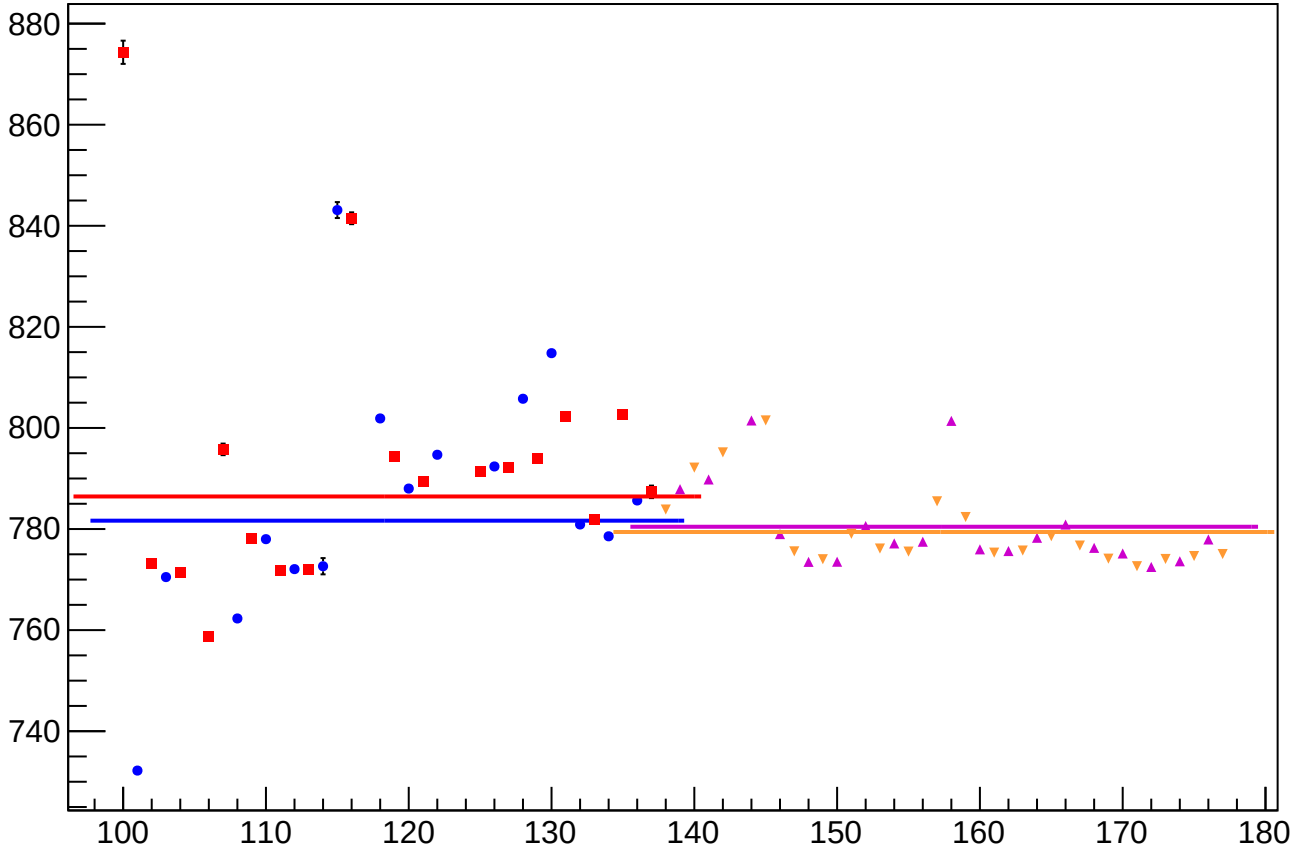
Left In: -2057.819+/-197.982 χ^2/NDF:25.6/18

+ sign 1976.168+/-162.286 χ^2/NDF: 21.4/35

All: -21.017+/-115.171 χ^2/NDF: 364.1/72

- sign -2047.575+/-163.475 χ^2/NDF: 37.5/36

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 779.414+/-0.138 χ^2/NDF:2874.2/19

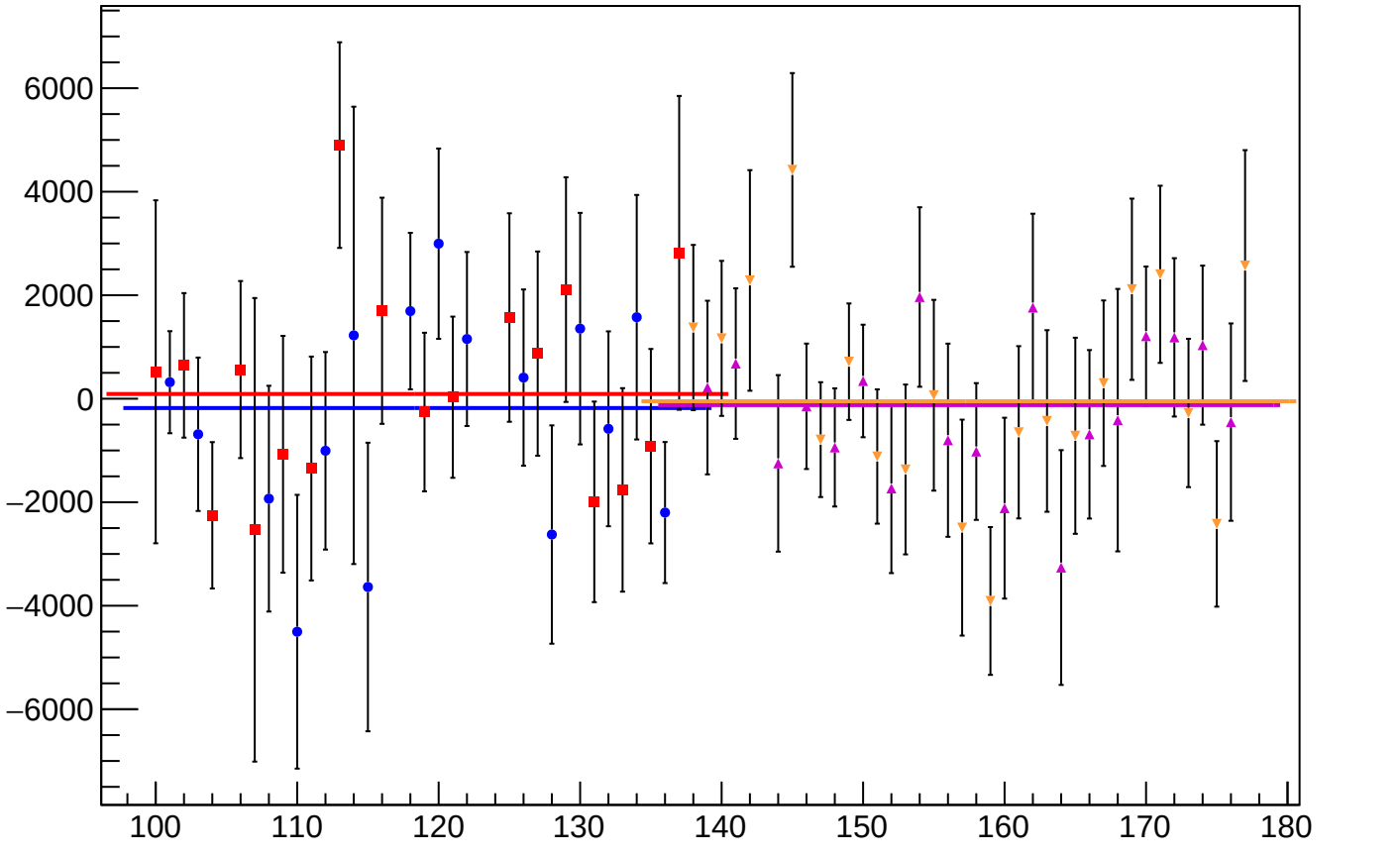
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 780.453+/-0.140 χ^2/NDF:3756.5/18

\+ sign 780.113+/-0.115 χ^2/NDF: 15275.1/35

All: 781.228+/-0.081 χ^2/NDF: 27005.9/72

\- sign 782.359+/-0.116 χ^2/NDF: 11540.8/36



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

Left Out: -49.977+/-352.954 χ^2/NDF:26.8/19

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

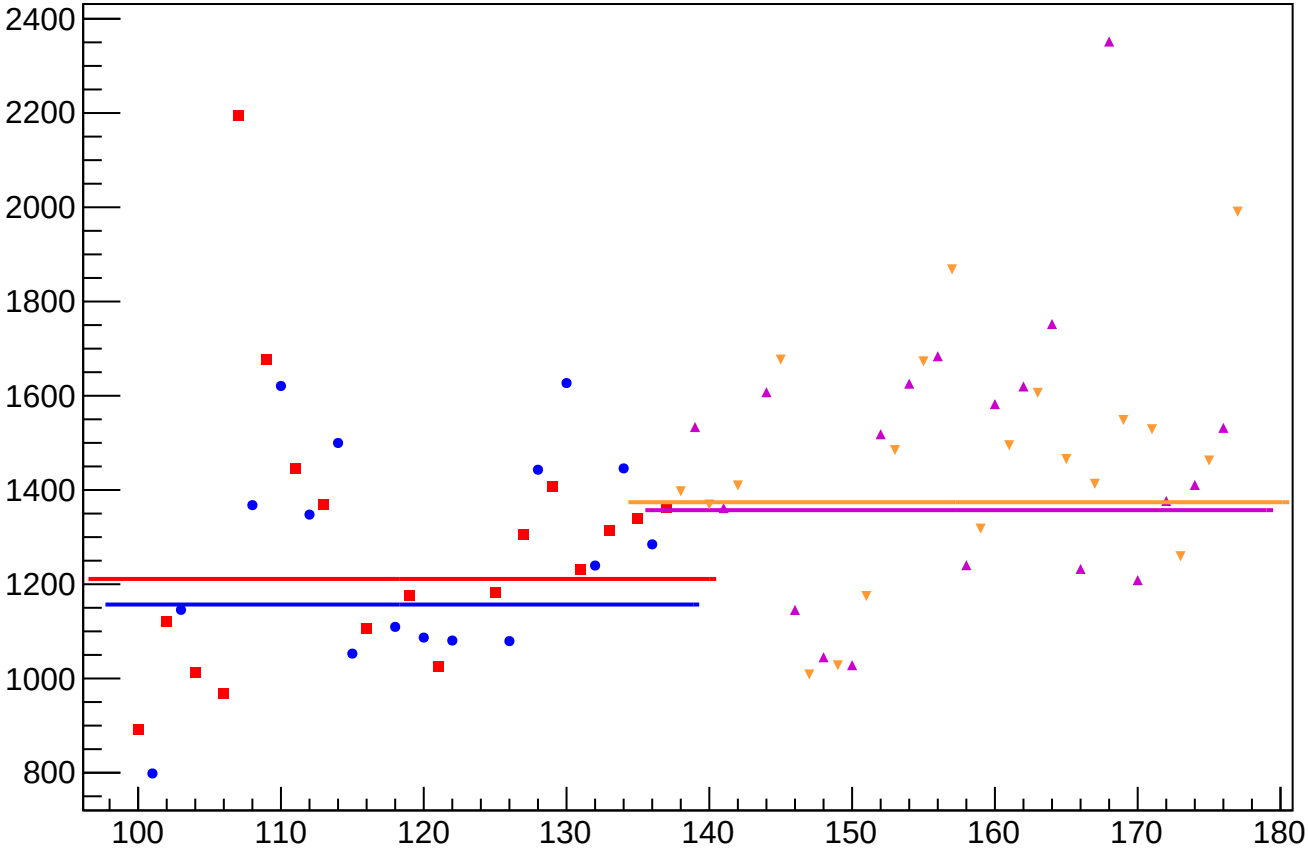
Left In: -123.938+/-352.022 χ^2/NDF:11.2/18

+ sign -100.749+/-275.508 χ^2/NDF: 42.2/35

All: -72.325+/-195.821 χ^2/NDF: 68.8/72

- sign -43.306+/-278.379 χ^2/NDF: 26.6/36

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1374.077+/-0.250 χ^2/NDF:942993.0/19

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

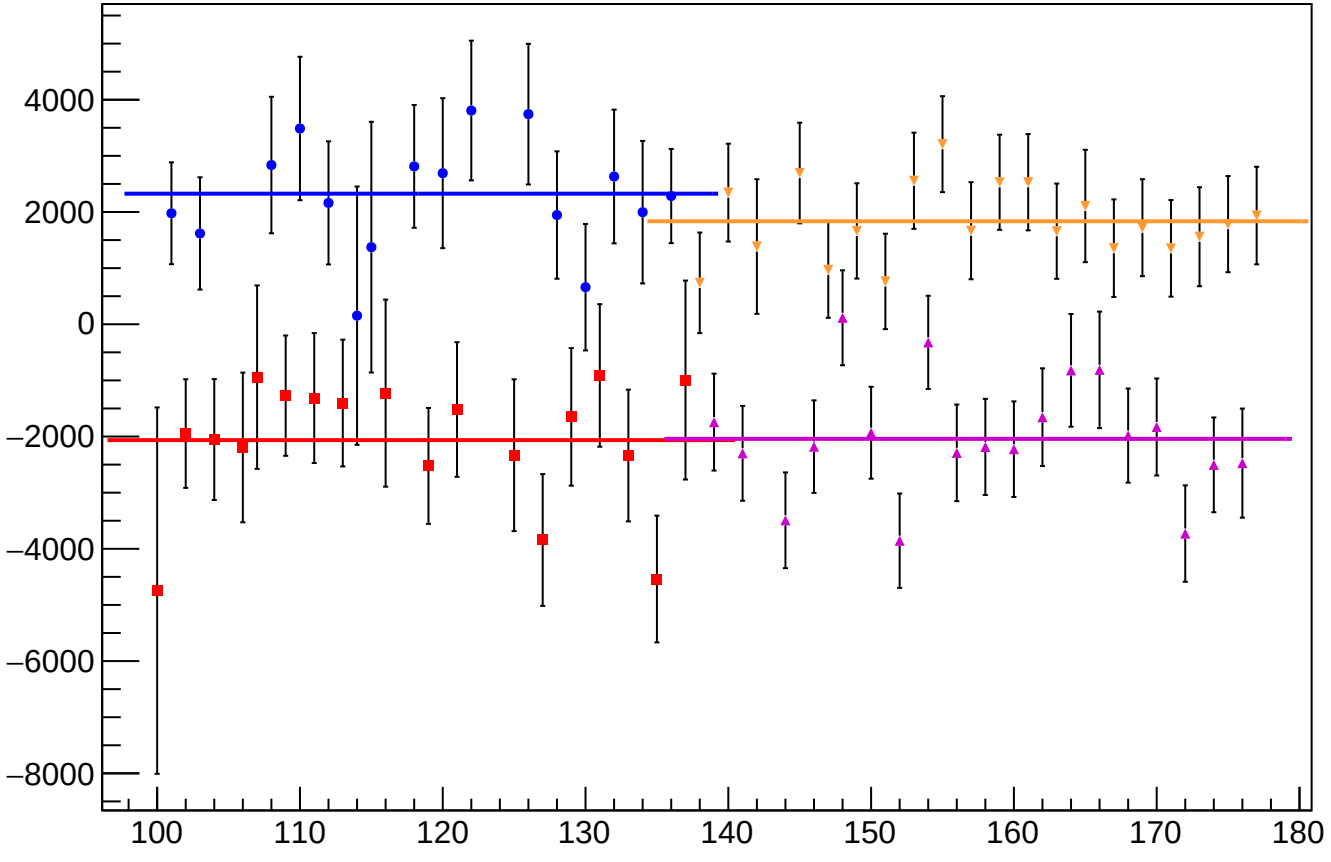
Left In: 1357.237+/-0.249 χ^2/NDF:1102267.4/18

+ sign 1289.245+/-0.195 χ^2/NDF: 1807825.5/35

All: 1295.829+/-0.138 χ^2/NDF: 3438954.5/72

- sign 1302.550+/-0.197 χ^2/NDF: 1628820.9/36

dit_asym_us_avg_mean vs Slug



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

Left Out: 1835.121+/-196.738 χ^2/NDF:11.1/19

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

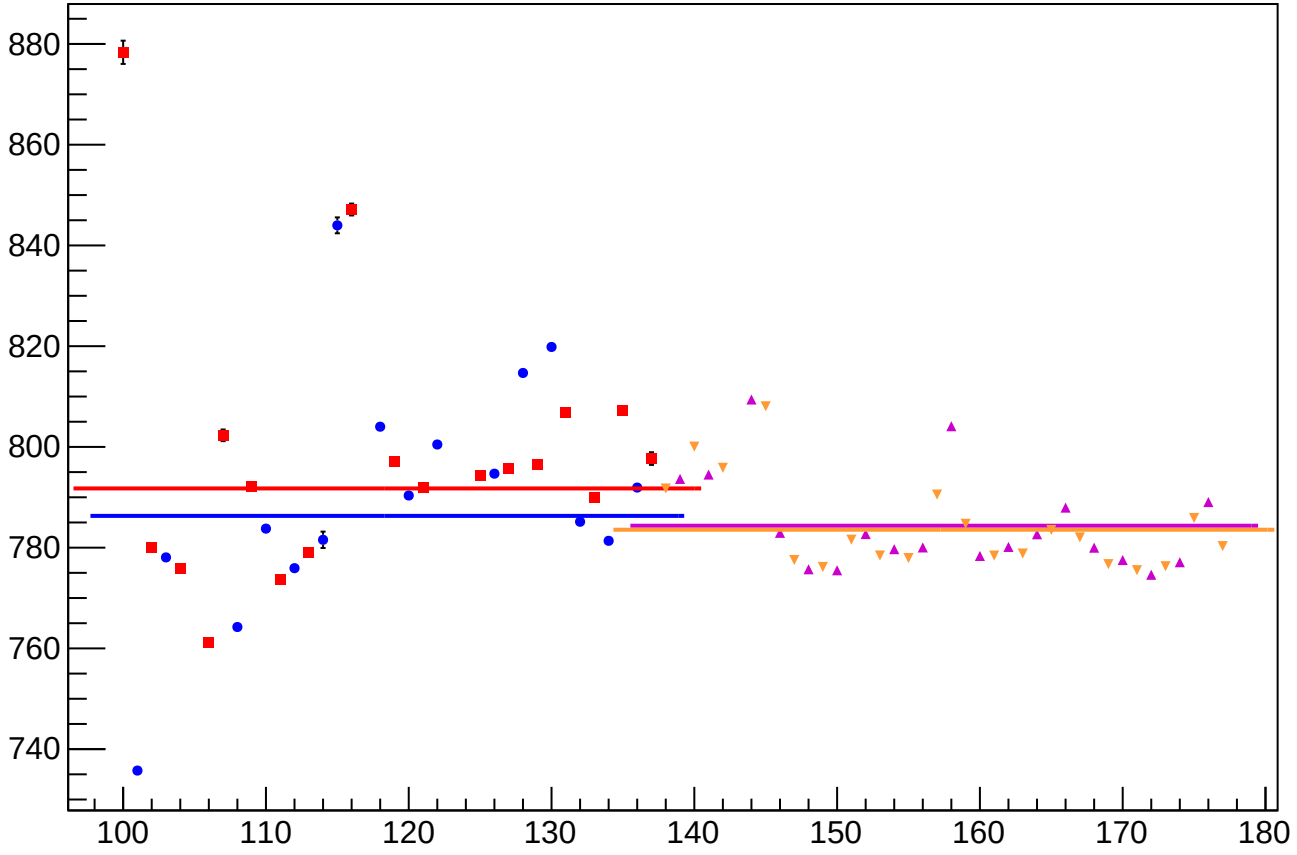
Left In: -2041.532+/-198.981 χ^2/NDF:26.3/18

+ sign 1988.391+/-163.190 χ^2/NDF: 21.2/35

All: -15.292+/-115.816 χ^2/NDF: 362.8/72

- sign -2048.656+/-164.395 χ^2/NDF: 37.9/36

dit_asym_us_avg_rms vs Slug



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

Left Out: 783.559+/-0.139 χ^2/NDF:3759.2/19

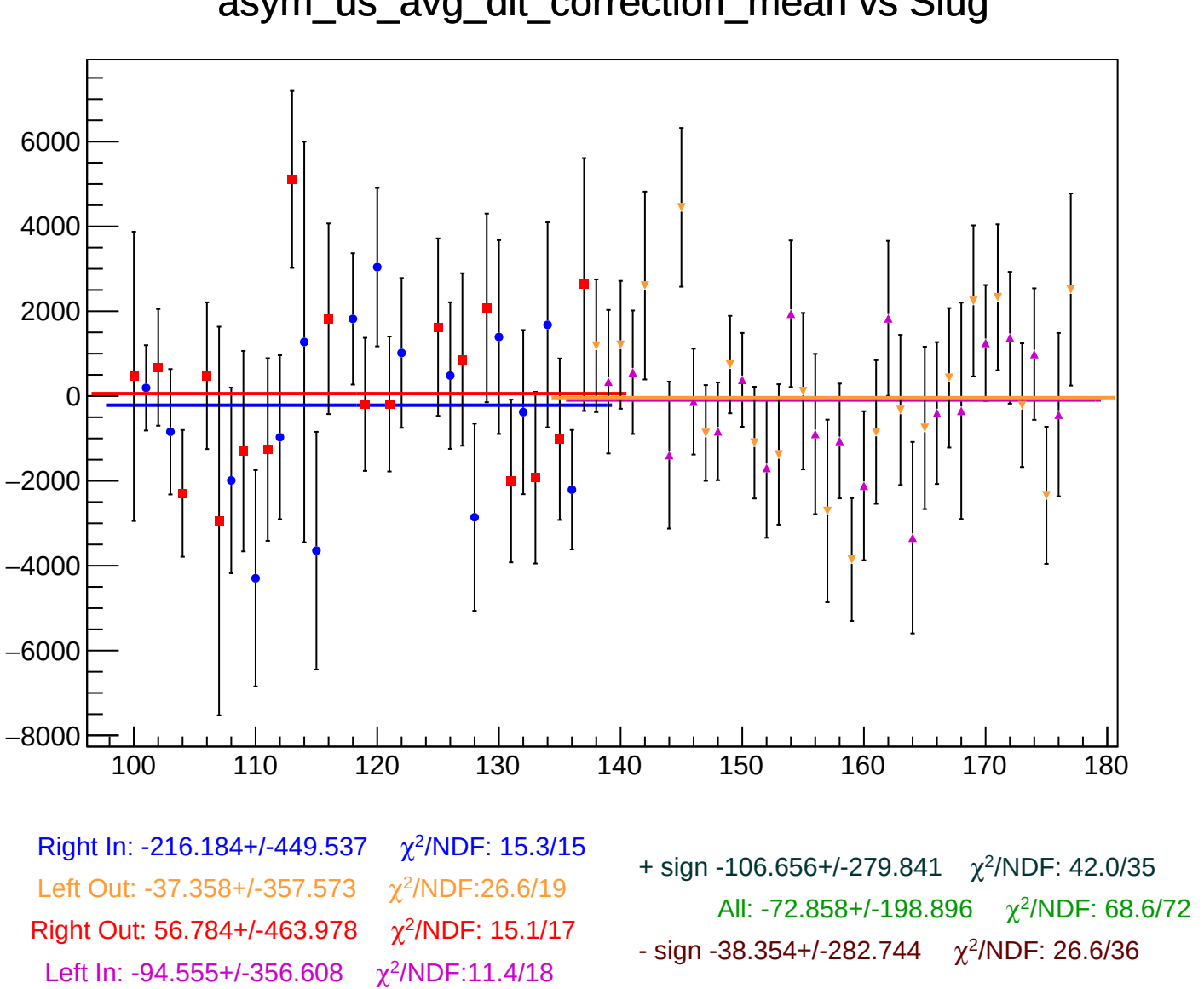
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.356+/-0.141 χ^2/NDF:4686.8/18

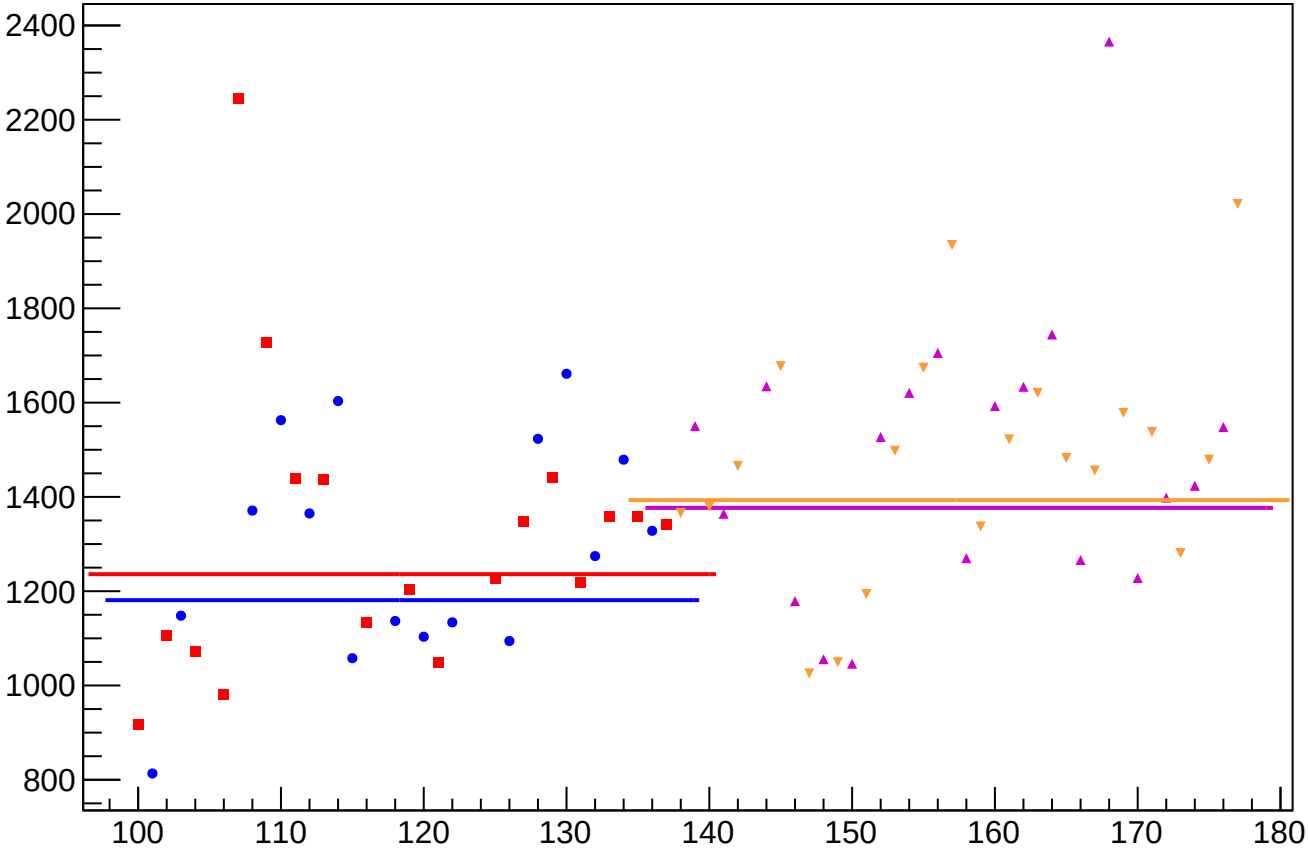
+ sign 784.417+/-0.115 χ^2/NDF: 16452.2/35

All: 785.553+/-0.082 χ^2/NDF: 29227.3/72

- sign 786.705+/-0.116 χ^2/NDF: 12580.0/36


asym_us_avg_dit_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -37.358+/-357.573 χ²/NDF:26.6/19
Right Out: 56.784+/-463.978 χ²/NDF: 15.1/17
Left In: -94.555+/-356.608 χ²/NDF:11.4/18
+ sign -106.656+/-279.841 χ²/NDF: 42.0/35
All: -72.858+/-198.896 χ²/NDF: 68.6/72
- sign -38.354+/-282.744 χ²/NDF: 26.6/36

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1393.184+/-0.253 χ^2/NDF:928942.9/19

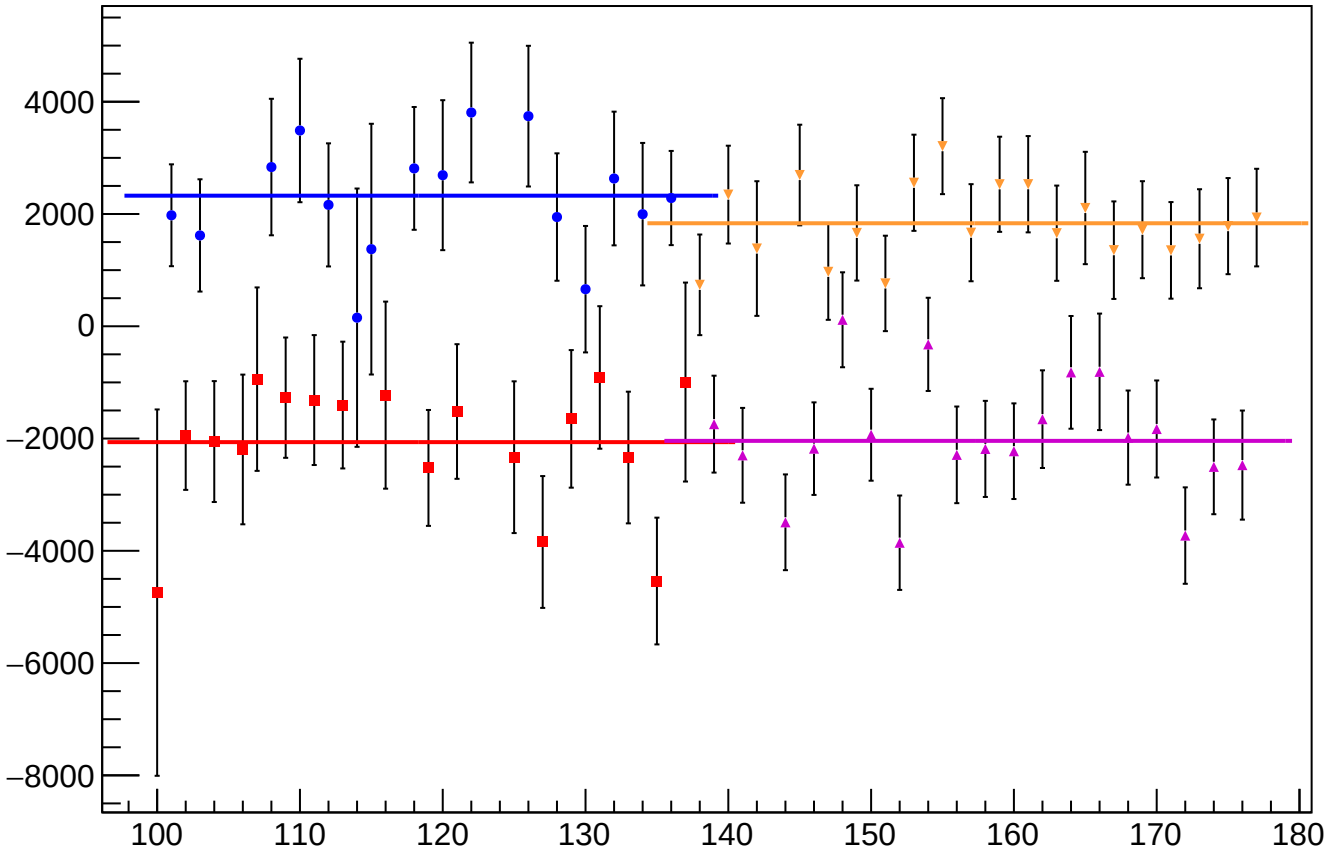
Right Out: 1236.134+/-0.328 χ^2/NDF: 397242.2/17

Left In: 1376.748+/-0.252 χ^2/NDF:1053161.5/18

+ sign 1310.958+/-0.198 χ^2/NDF: 1772964.1/35

All: 1317.674+/-0.141 χ^2/NDF: 3341172.0/72

- sign 1324.530+/-0.200 χ^2/NDF: 1565880.0/36



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

Left Out: 1835.119+/-196.738 χ^2/NDF:11.1/19

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

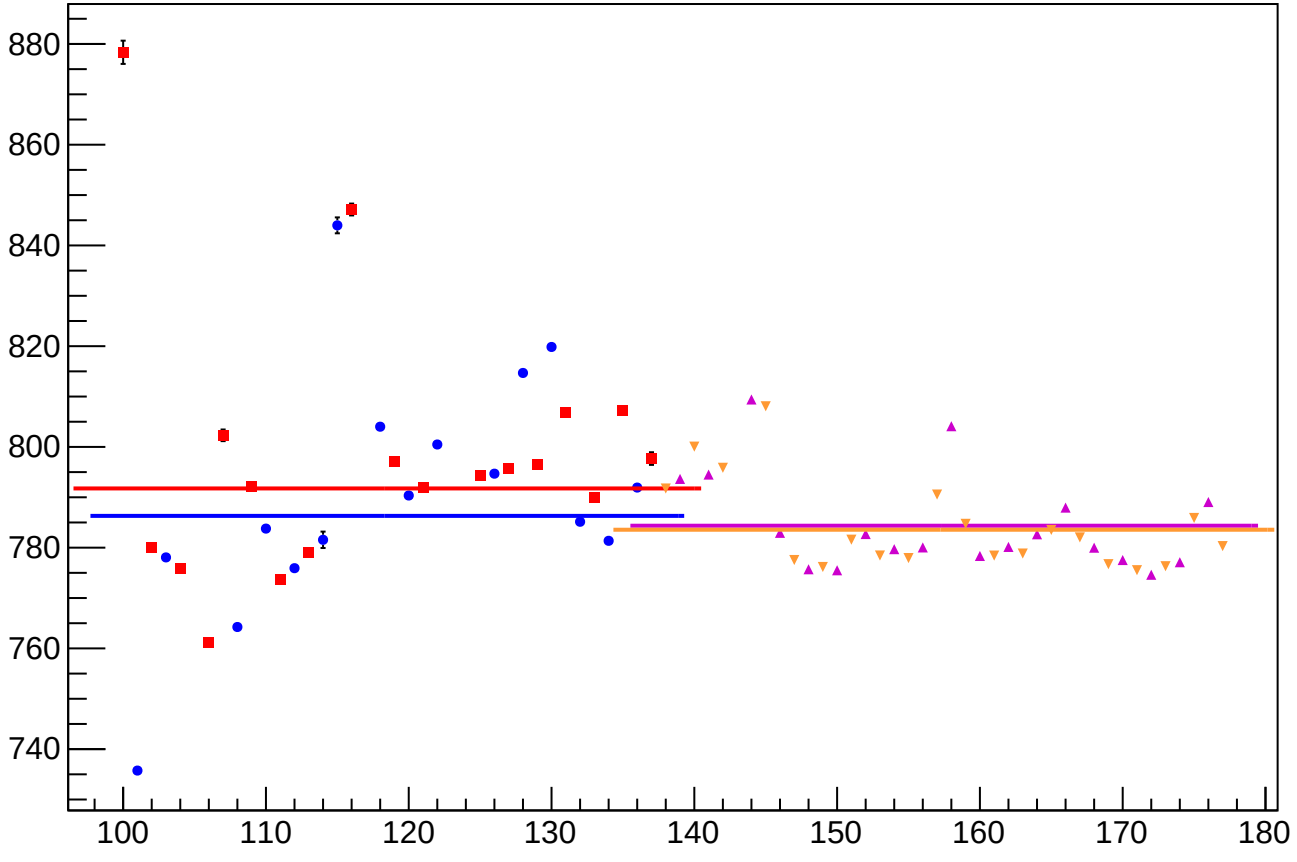
Left In: -2041.533+/-198.981 χ^2/NDF:26.3/18

+ sign 1988.389+/-163.190 χ^2/NDF: 21.2/35

All: -15.293+/-115.816 χ^2/NDF: 362.8/72

- sign -2048.656+/-164.395 χ^2/NDF: 37.9/36

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 783.559+/-0.139 χ^2/NDF:3759.1/19

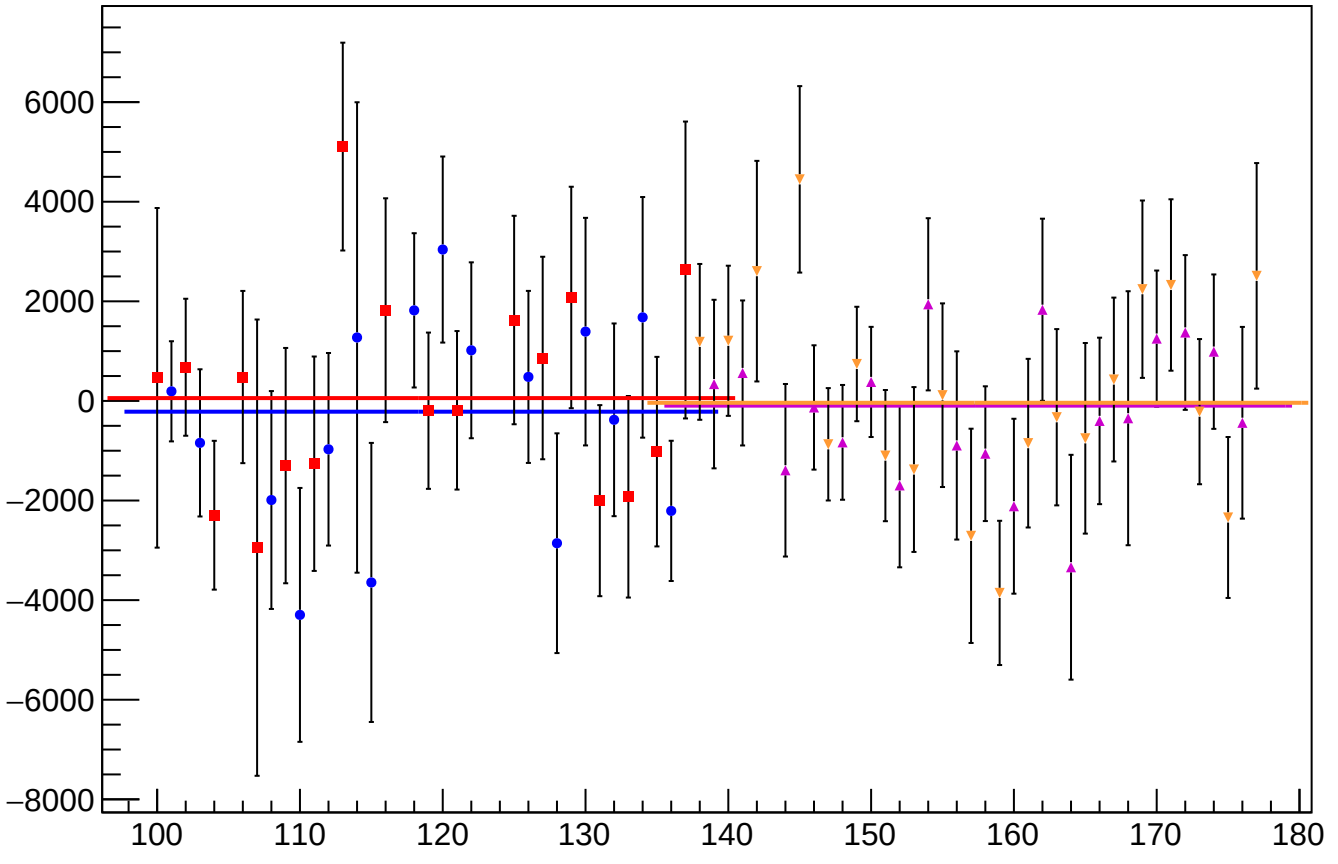
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.356+/-0.141 χ^2/NDF:4686.8/18

+ sign 784.417+/-0.115 χ^2/NDF: 16452.1/35

All: 785.552+/-0.082 χ^2/NDF: 29227.2/72

- sign 786.705+/-0.116 χ^2/NDF: 12579.9/36



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

Left Out: -37.361+/-357.574 χ^2/NDF:26.6/19

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

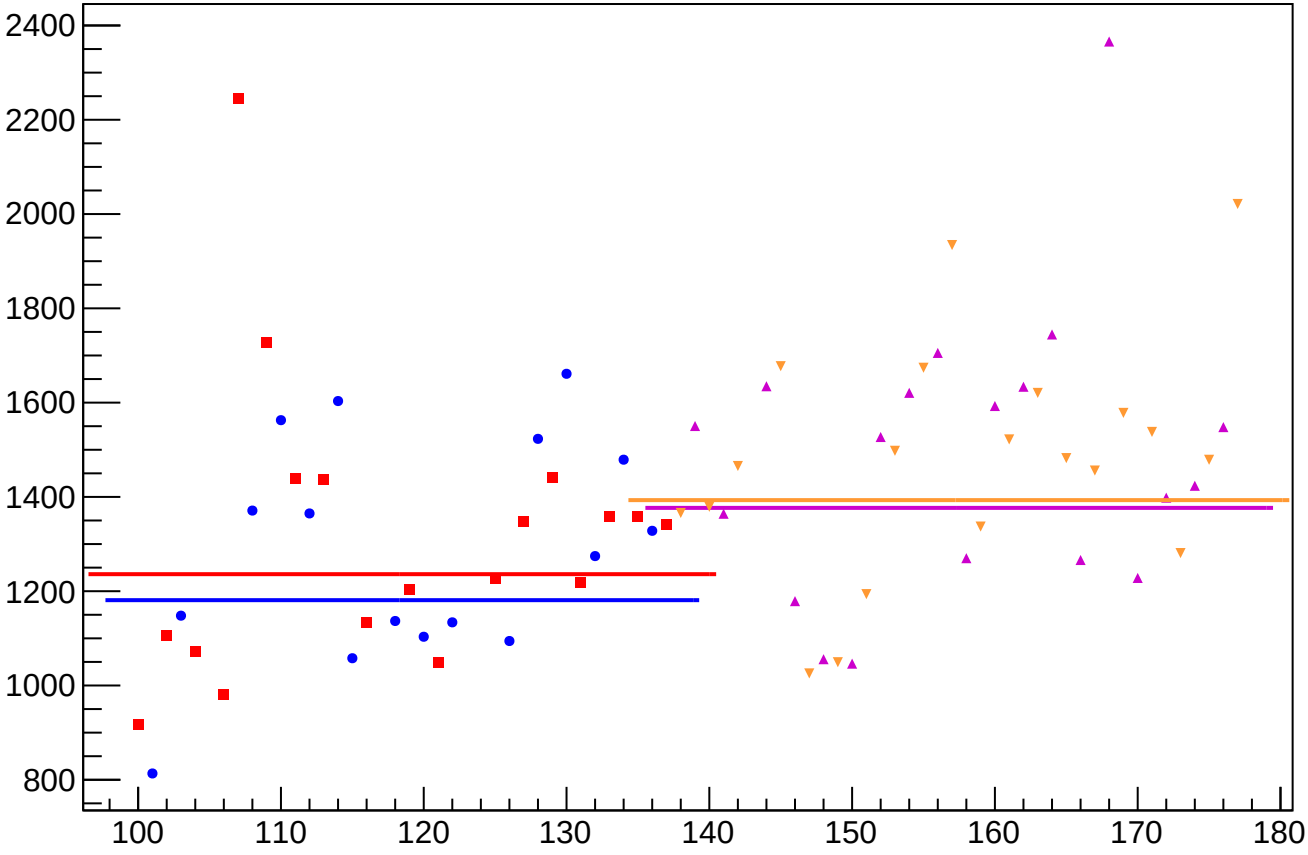
Left In: -94.556+/-356.609 χ^2/NDF:11.4/18

+ sign -106.658+/-279.841 χ^2/NDF: 42.0/35

All: -72.859+/-198.896 χ^2/NDF: 68.6/72

- sign -38.355+/-282.744 χ^2/NDF: 26.6/36

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1393.186+/-0.253 χ^2/NDF:928944.2/19

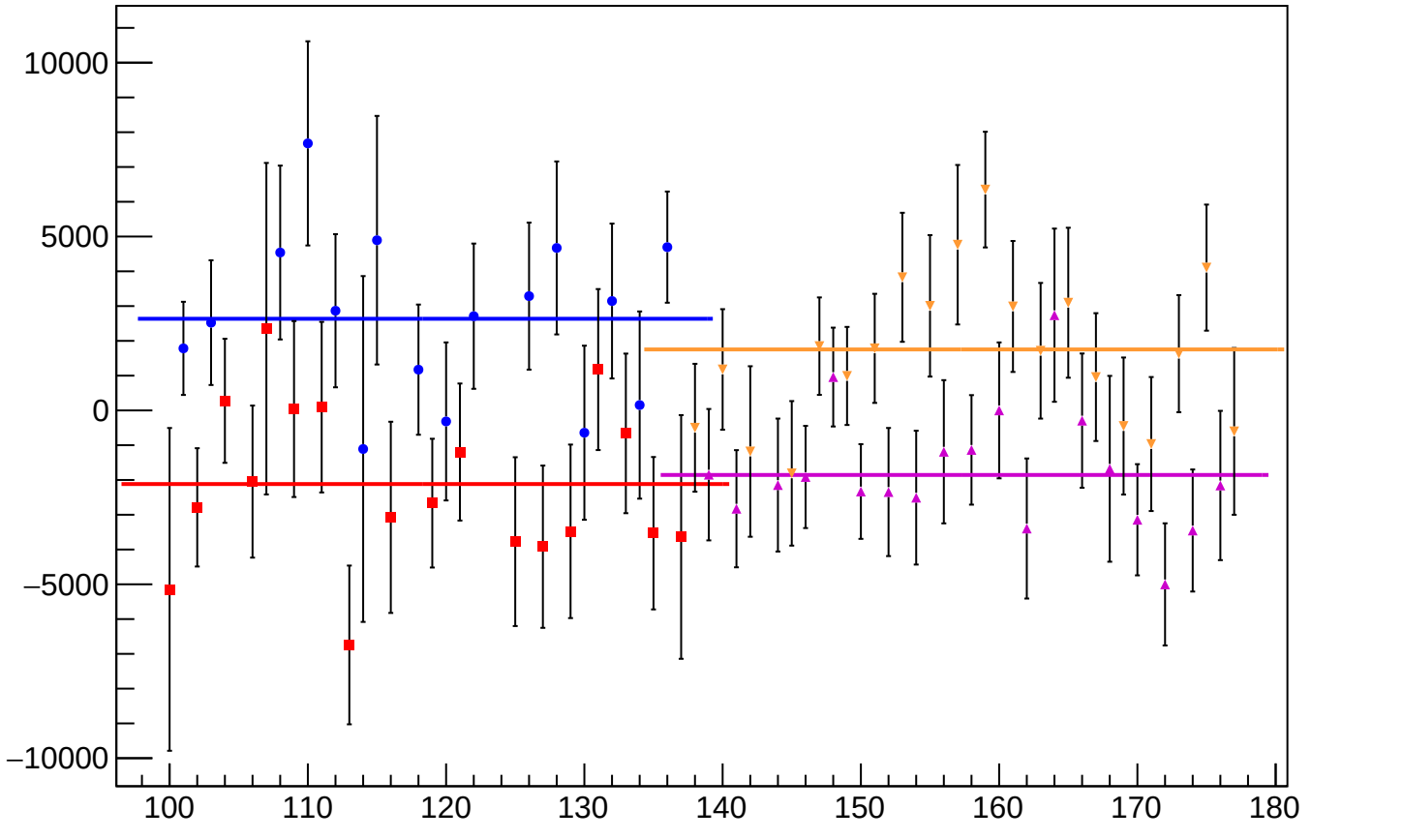
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1376.750+/-0.252 χ^2/NDF:1053162.2/18

+ sign 1310.958+/-0.198 χ^2/NDF: 1772978.0/35

All: 1317.674+/-0.141 χ^2/NDF: 3341195.3/72

- sign 1324.530+/-0.200 χ^2/NDF: 1565889.3/36



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

Left Out: 1753.701+/-410.180 χ^2/NDF:24.2/19

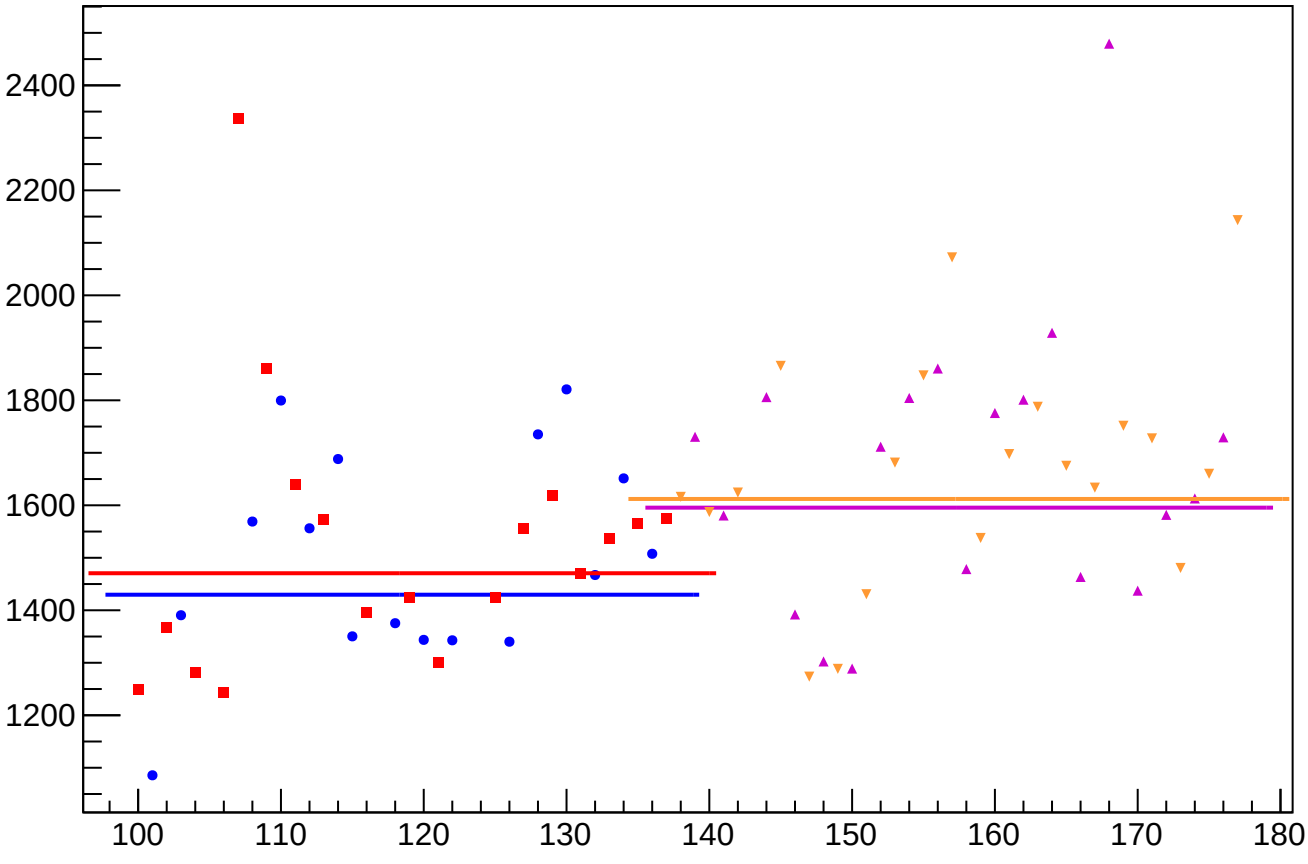
Right Out: -2117.162+/-547.483 χ^2/NDF: 13.7/17

Left In: -1855.693+/-410.183 χ^2/NDF:15.2/18

+ sign 2077.787+/-326.198 χ^2/NDF: 38.1/35

All: 76.798+/-231.386 χ^2/NDF: 142.9/72

- sign -1949.695+/-328.270 χ^2/NDF: 29.0/36



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

Left Out: 1612.067+/-0.290 χ^2/NDF:544598.9/19

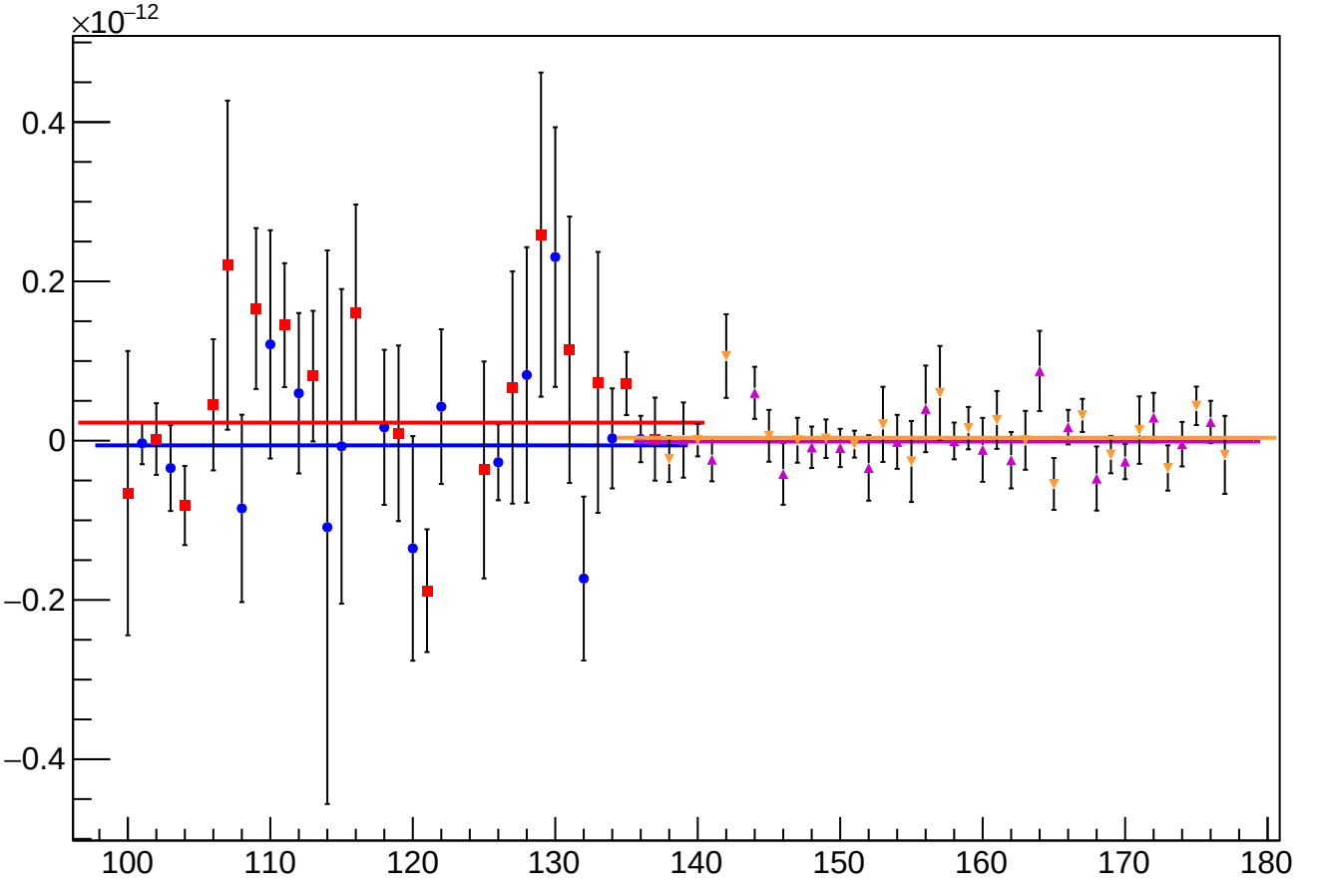
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1595.502+/-0.290 χ^2/NDF:664703.4/18

+ sign 1545.017+/-0.231 χ^2/NDF: 983377.0/35

All: 1547.783+/-0.164 χ^2/NDF: 1933145.6/72

- sign 1550.585+/-0.232 χ^2/NDF: 949479.0/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/19

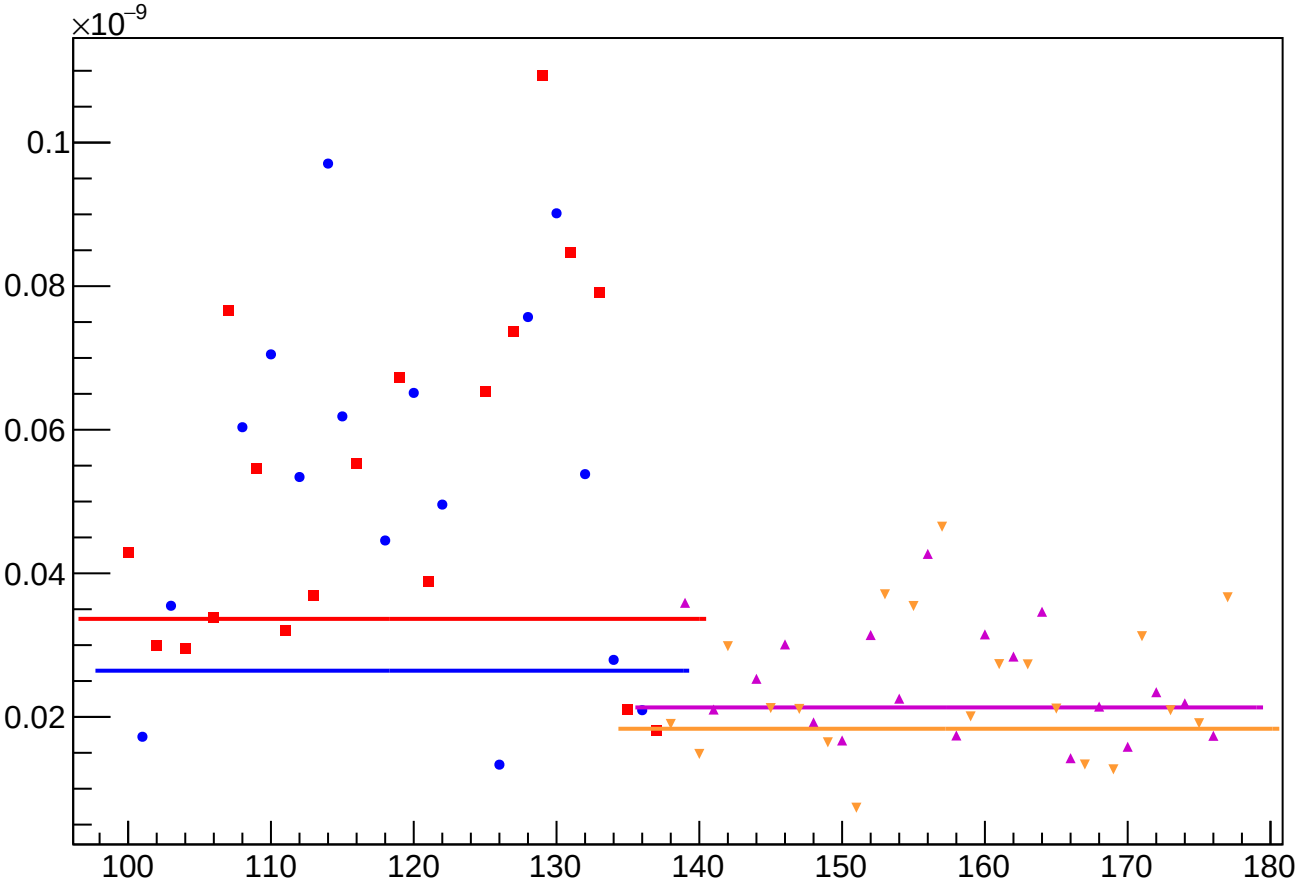
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 26.4/35

All: 0.000+/-0.000 χ^2/NDF: 66.4/72

- sign 0.000+/-0.000 χ^2/NDF: 40.0/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:3026457.3/19

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

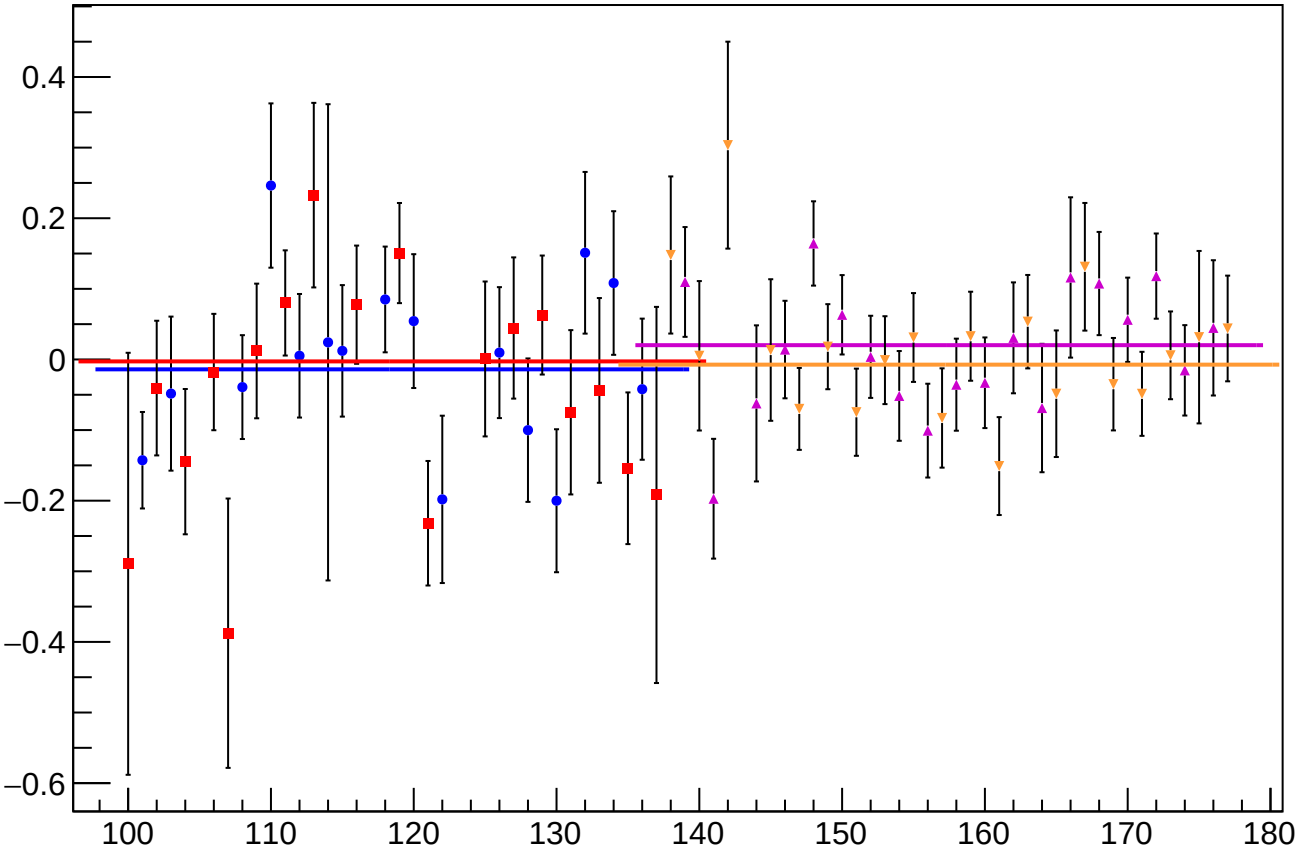
Left In: 0.000+/-0.000 χ^2/NDF:1638262.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 5646932.7/35

All: 0.000+/-0.000 χ^2/NDF: 10086047.2/72

- sign 0.000+/-0.000 χ^2/NDF: 4151969.2/36

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:20.0/19

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

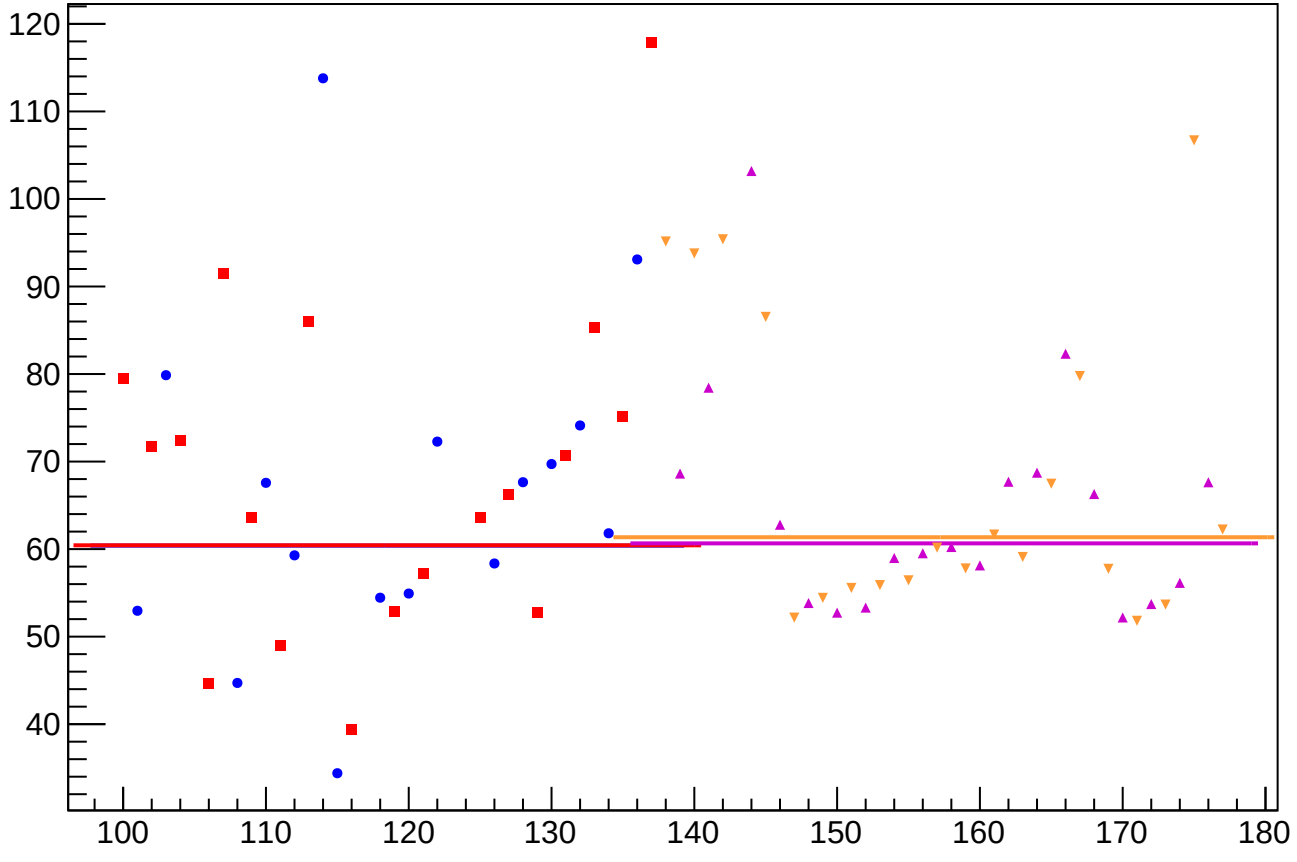
Left In: 0.020+/-0.016 χ^2/NDF:27.5/18

+ sign -0.009+/-0.013 χ^2/NDF: 41.4/35

All: 0.002+/-0.009 χ^2/NDF: 98.6/72

- sign 0.013+/-0.013 χ^2/NDF: 55.9/36

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 61.356+/-0.011 χ^2/NDF:1193905.8/19

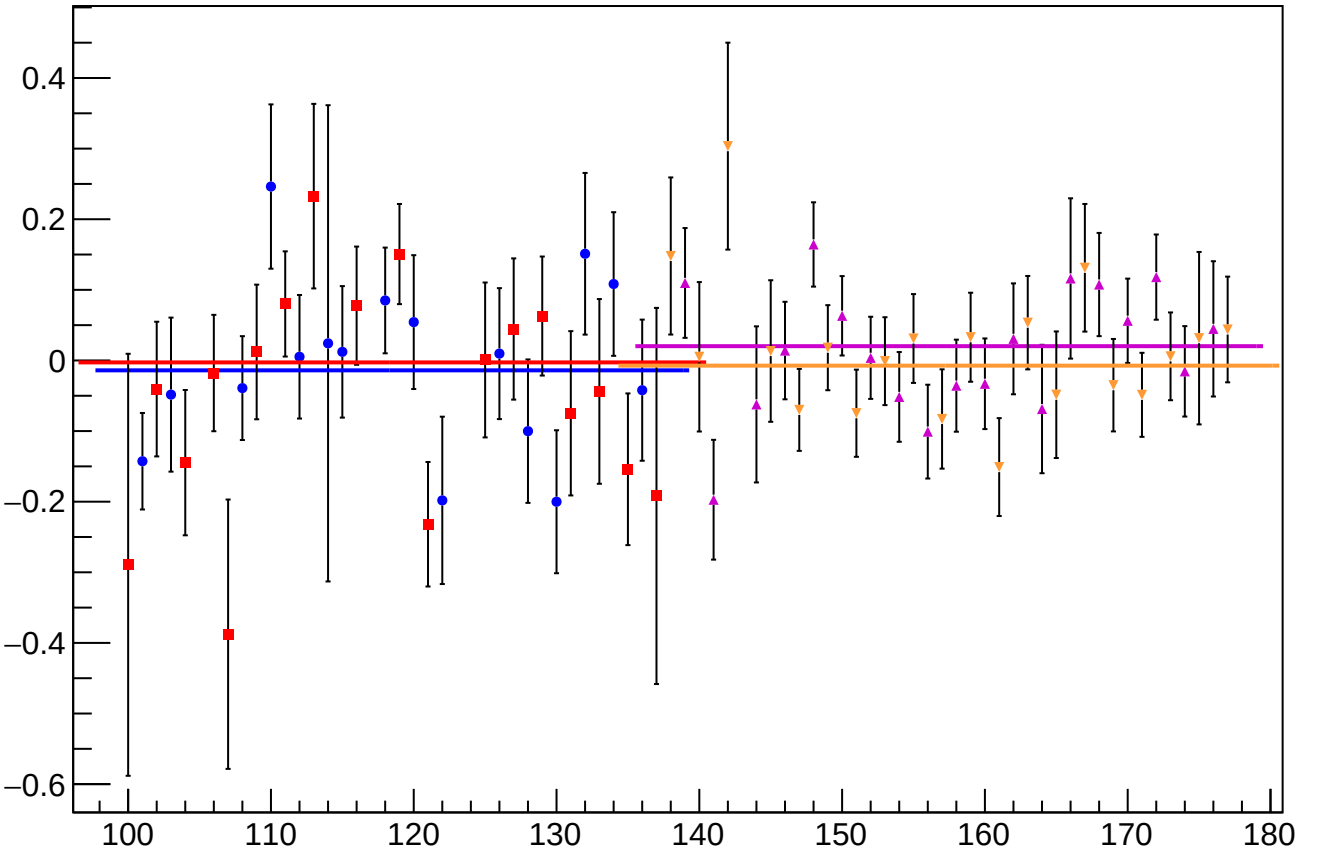
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.655+/-0.011 χ^2/NDF:713470.3/18

+ sign 61.055+/-0.009 χ^2/NDF: 1899265.6/35

All: 60.818+/-0.007 χ^2/NDF: 3325183.5/72

- sign 60.586+/-0.009 χ^2/NDF: 1424681.8/36



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.0/19

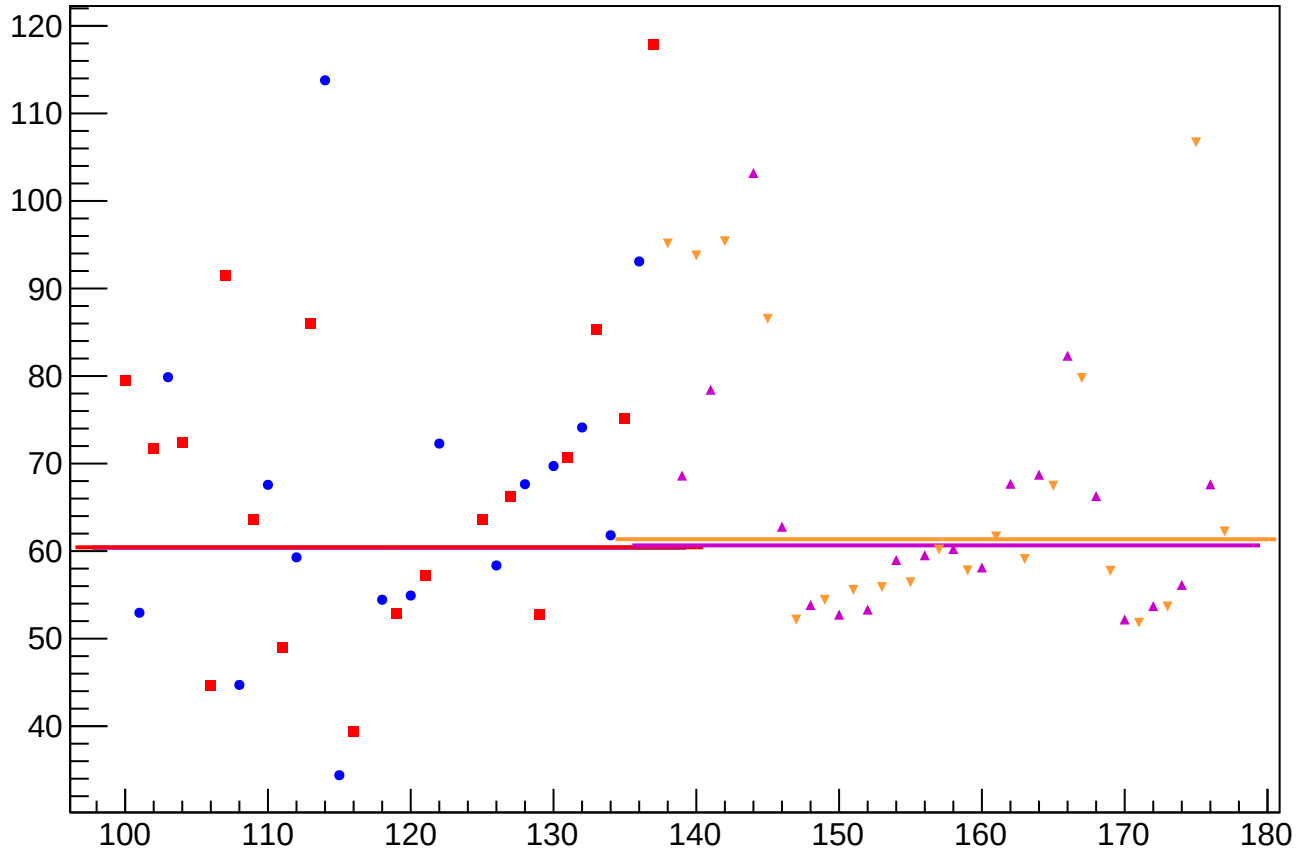
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.020+/-0.016 χ^2/NDF:27.5/18

+ sign -0.009+/-0.013 χ^2/NDF: 41.4/35

All: 0.002+/-0.009 χ^2/NDF: 98.6/72

- sign 0.013+/-0.013 χ^2/NDF: 55.9/36



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

Left Out: 61.356+/-0.011 χ^2/NDF:1193905.8/19

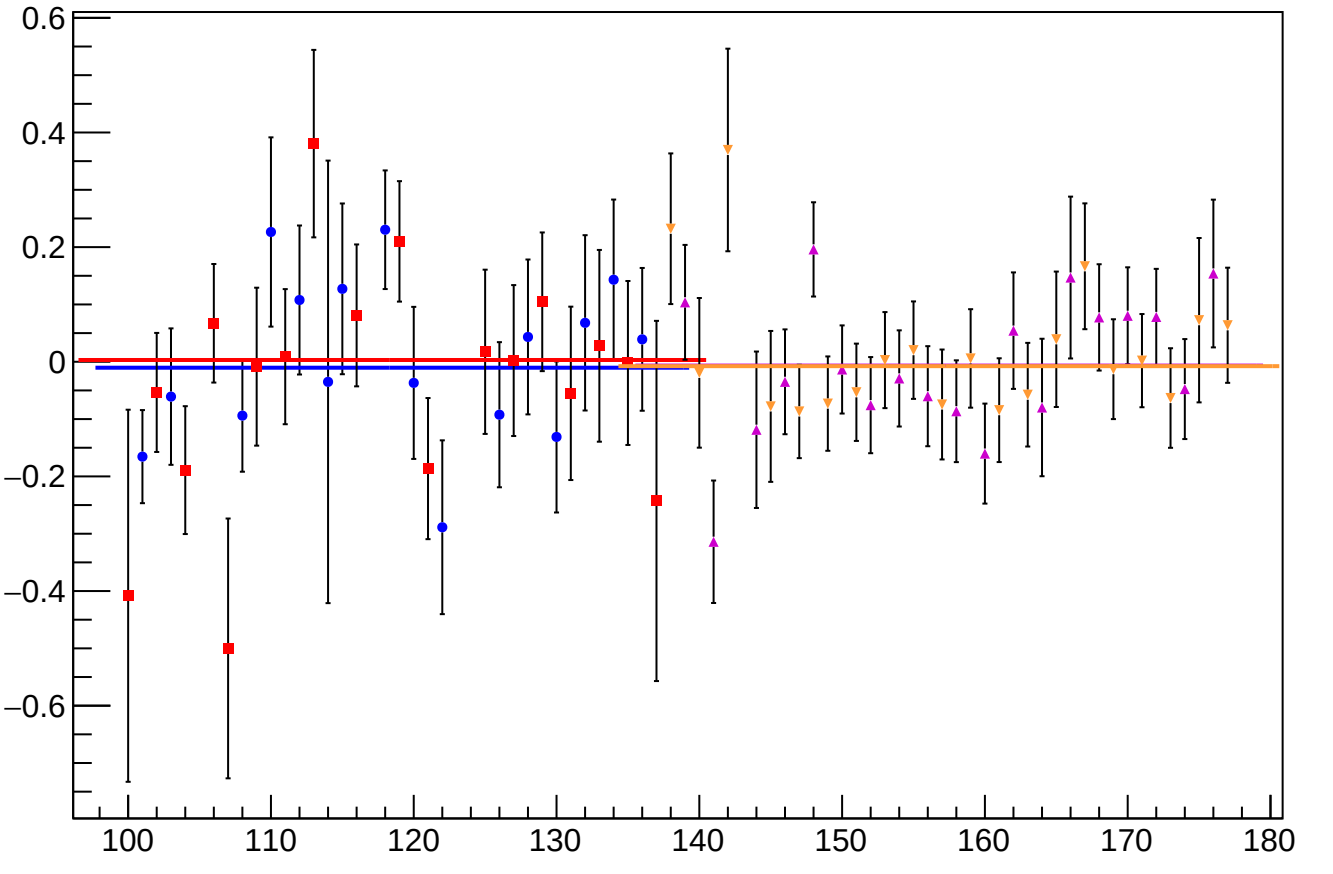
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.655+/-0.011 χ^2/NDF:713470.3/18

+ sign 61.055+/-0.009 χ^2/NDF: 1899265.6/35

All: 60.818+/-0.007 χ^2/NDF: 3325183.5/72

- sign 60.586+/-0.009 χ^2/NDF: 1424681.8/36



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

Left Out: -0.008+/-0.022 χ^2/NDF:15.6/19

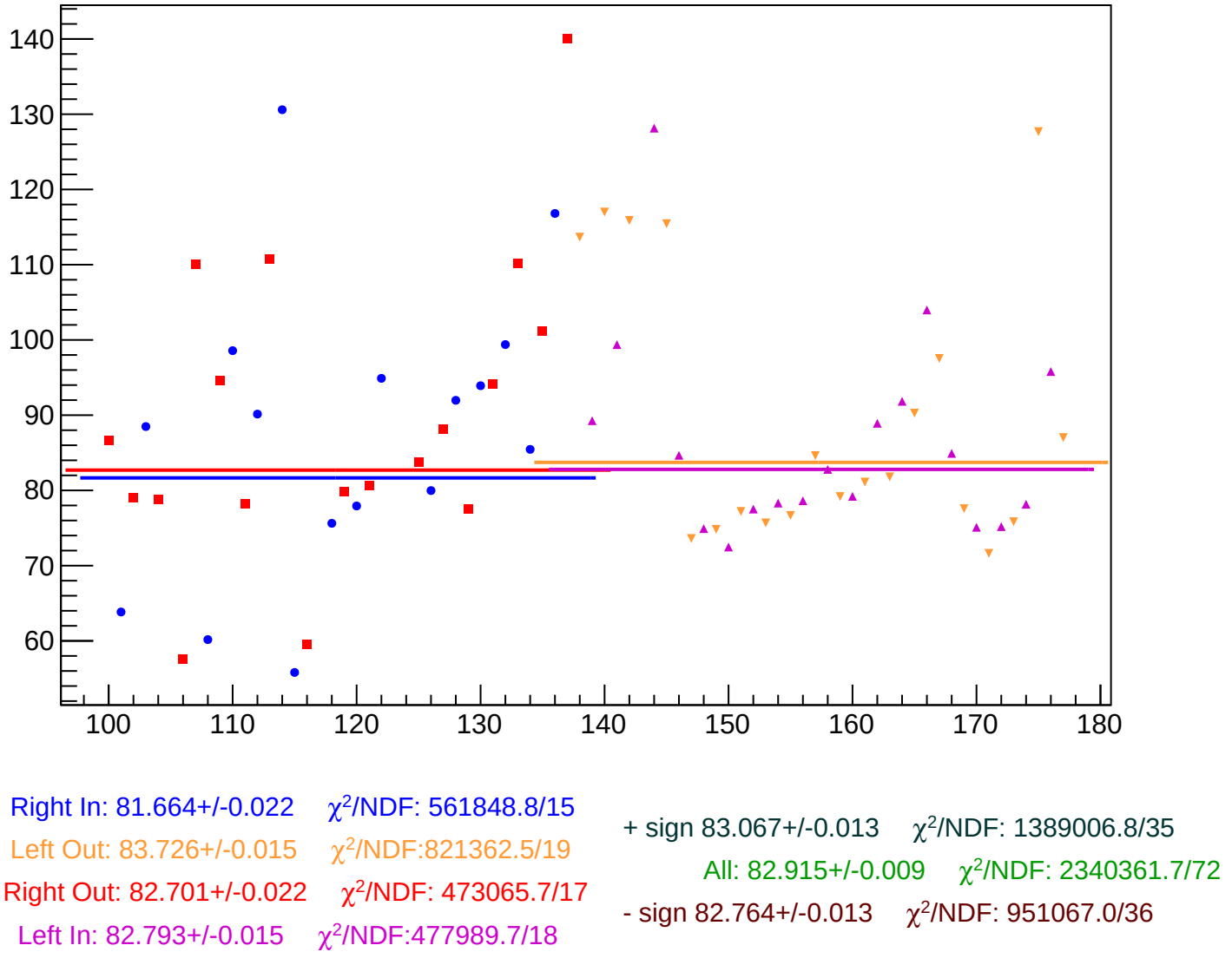
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

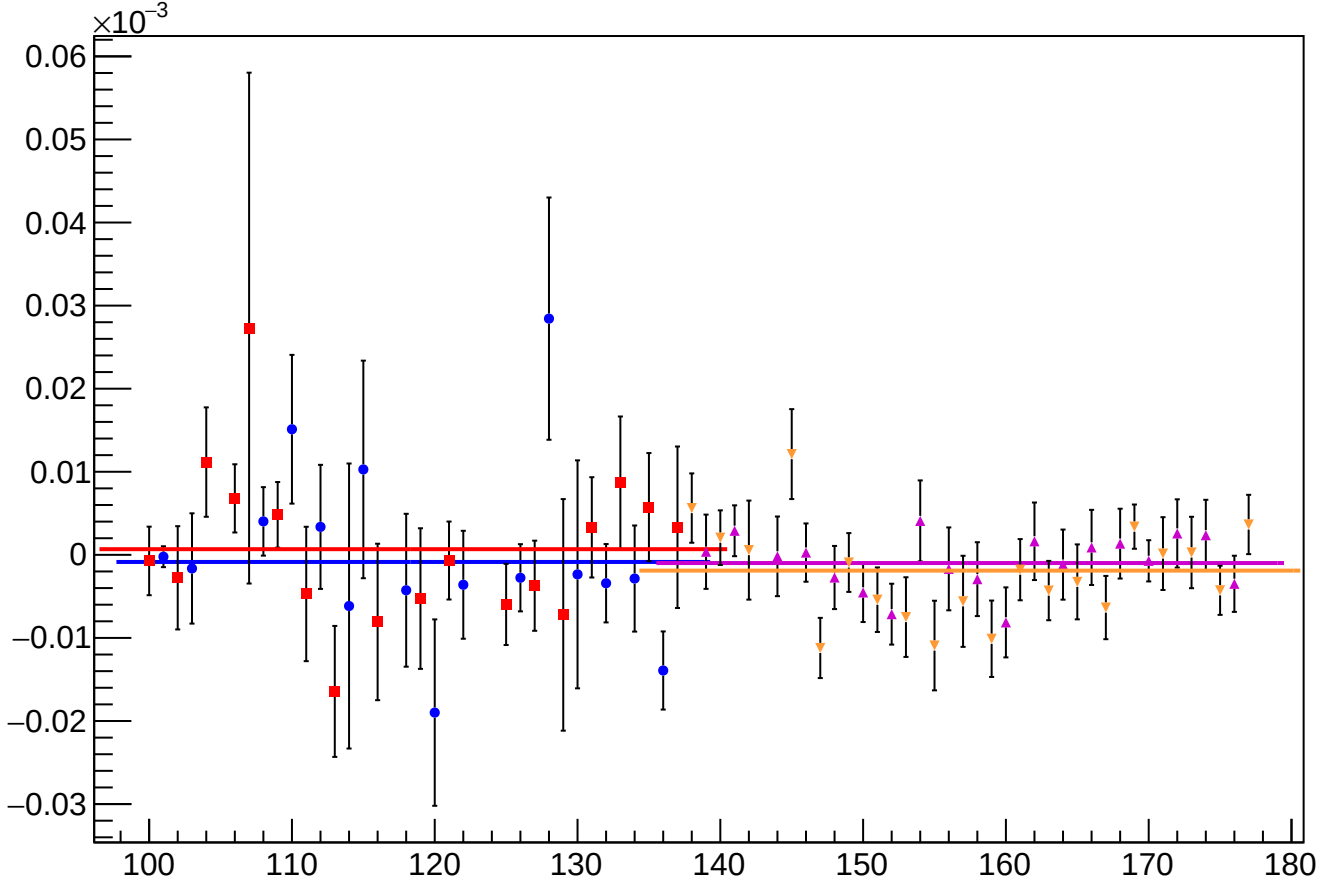
Left In: -0.007+/-0.022 χ^2/NDF:28.0/18

+ sign -0.009+/-0.018 χ^2/NDF: 35.8/35

All: -0.006+/-0.013 χ^2/NDF: 87.5/72

- sign -0.004+/-0.018 χ^2/NDF: 51.7/36


asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
Right In: 81.664+/-0.022 χ2/NDF: 561848.8/15
Left Out: 83.726+/-0.015 χ2/NDF:821362.5/19
Right Out: 82.701+/-0.022 χ2/NDF: 473065.7/17
Left In: 82.793+/-0.015 χ2/NDF:477989.7/18
+ sign 83.067+/-0.013 χ2/NDF: 1389006.8/35
All: 82.915+/-0.009 χ2/NDF: 2340361.7/72
- sign 82.764+/-0.013 χ2/NDF: 951067.0/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.3/19

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

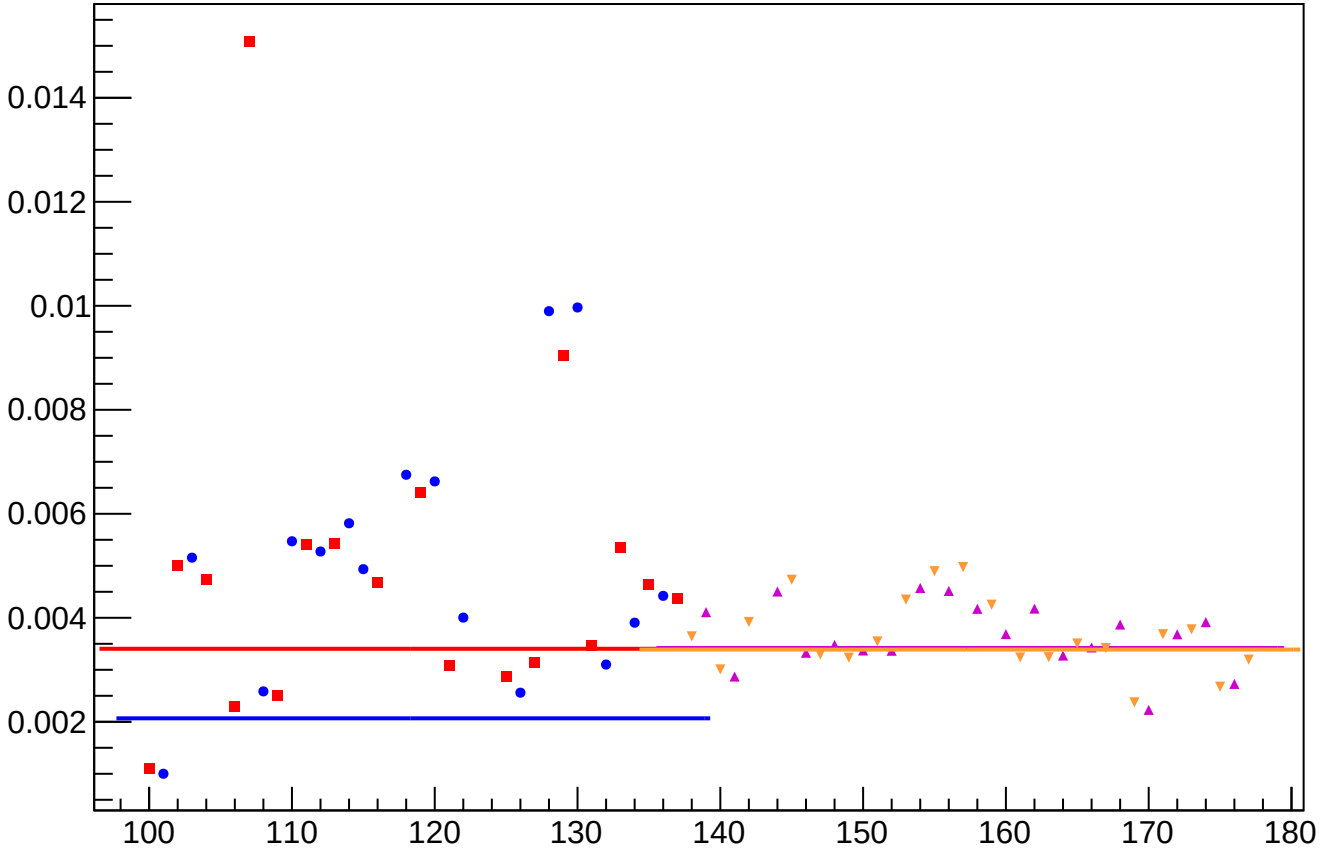
Left In: -0.000+/-0.000 χ^2/NDF:12.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/35

All: -0.000+/-0.000 χ^2/NDF: 91.1/72

- sign -0.000+/-0.000 χ^2/NDF: 32.1/36

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:1103010.3/19

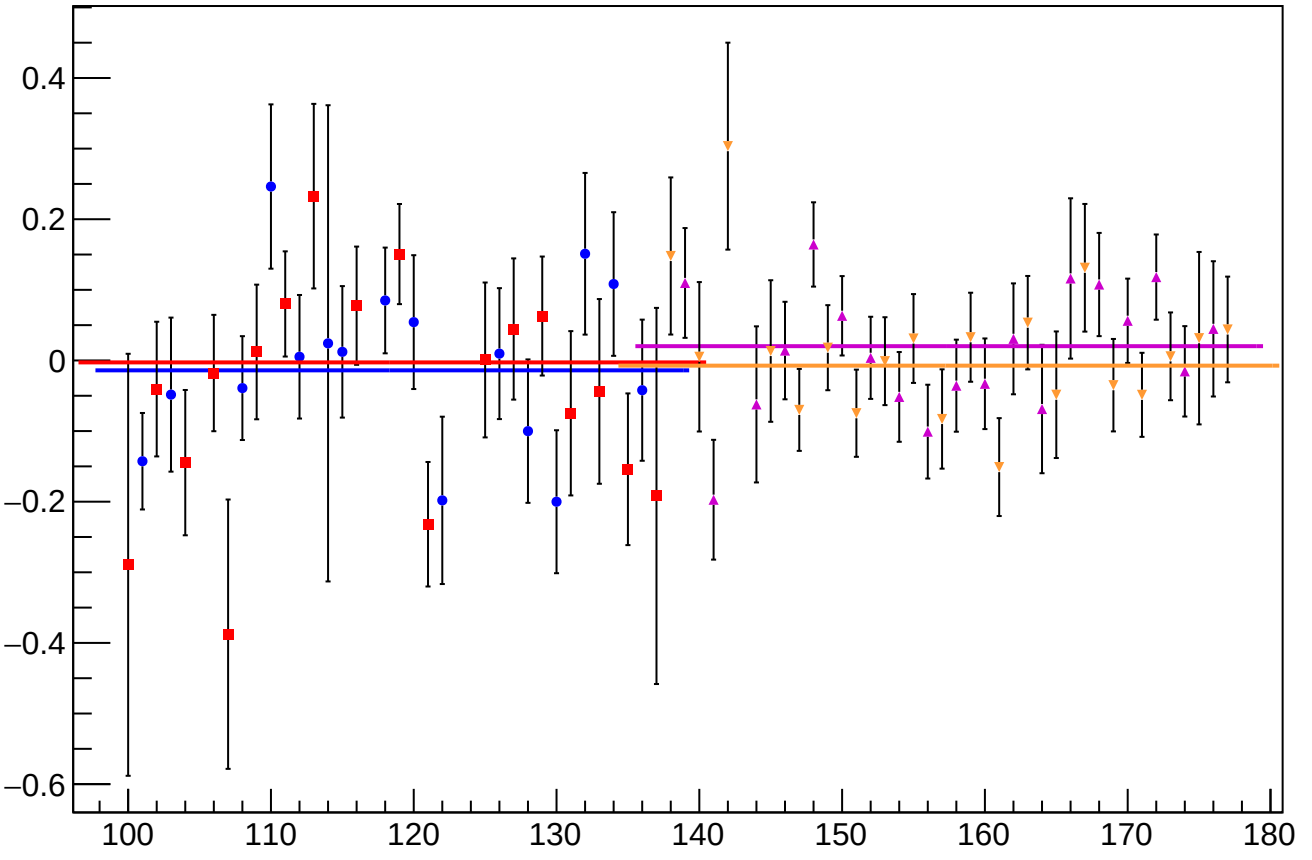
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:1149015.9/18

+ sign 0.003+/-0.000 χ^2/NDF: 8875198.6/35

All: 0.003+/-0.000 χ^2/NDF: 13219486.7/72

- sign 0.003+/-0.000 χ^2/NDF: 3640482.4/36



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.0/19

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

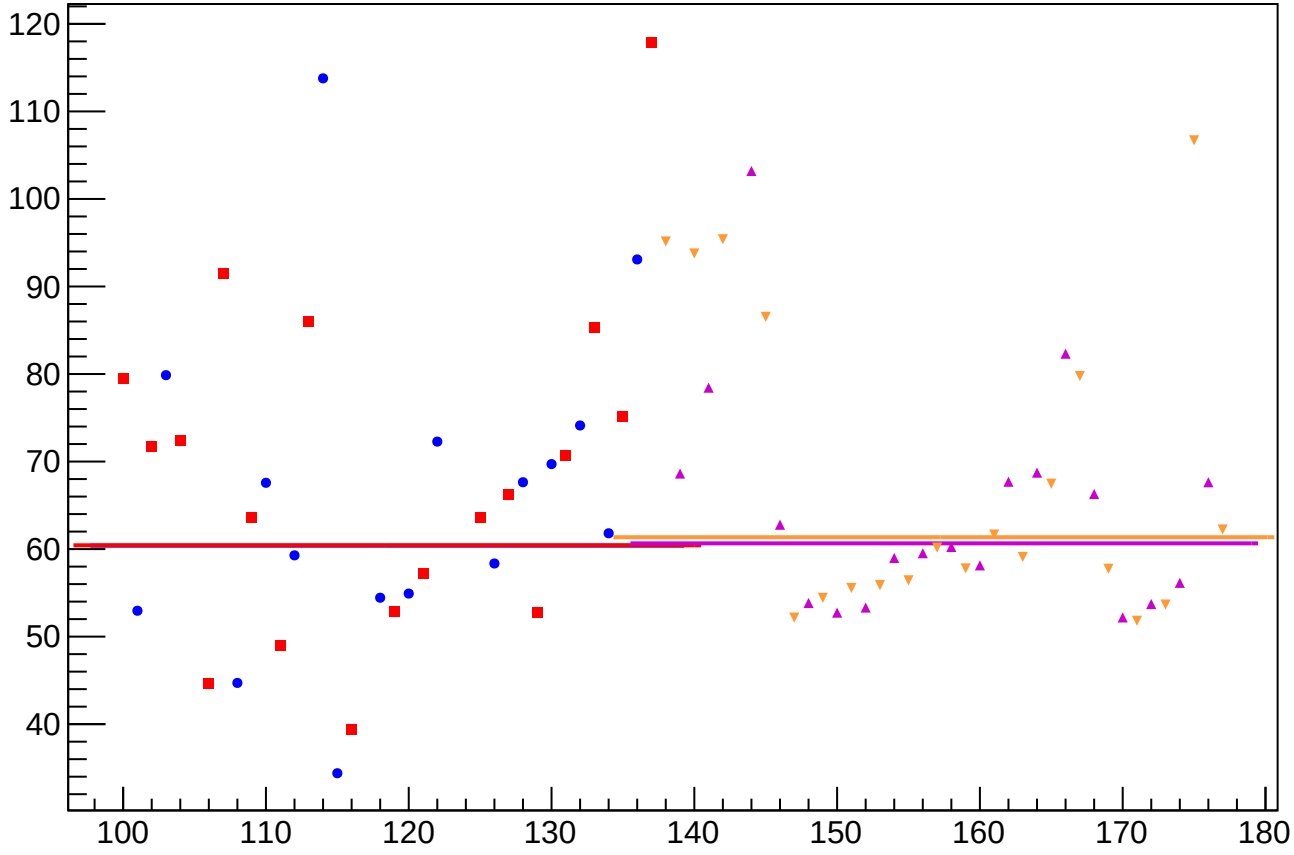
Left In: 0.020+/-0.016 χ^2/NDF:27.5/18

+ sign -0.009+/-0.013 χ^2/NDF: 41.4/35

All: 0.002+/-0.009 χ^2/NDF: 98.6/72

- sign 0.013+/-0.013 χ^2/NDF: 55.9/36

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 61.357+/-0.011 χ^2/NDF:1193895.5/19

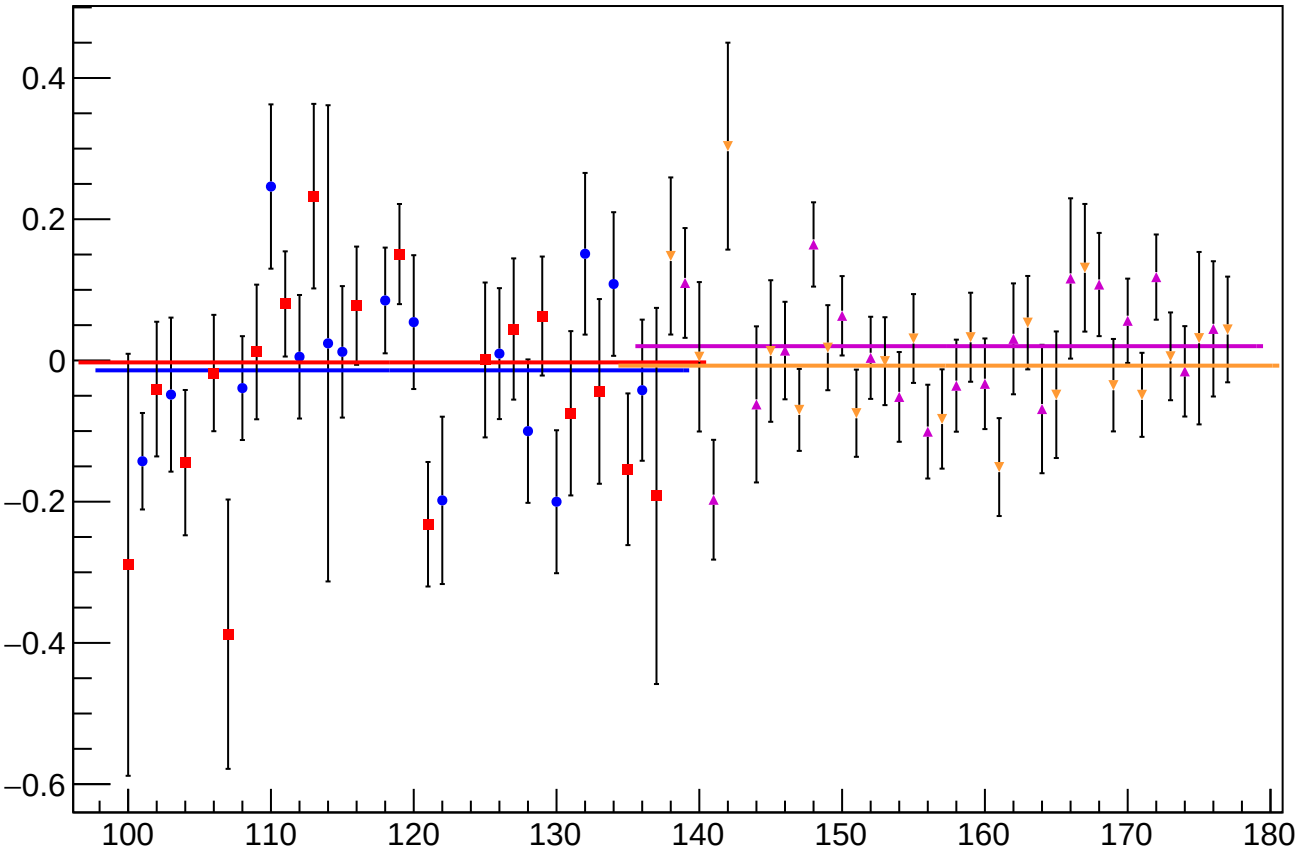
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.655+/-0.011 χ^2/NDF:713457.6/18

+ sign 61.055+/-0.009 χ^2/NDF: 1899275.8/35

All: 60.818+/-0.007 χ^2/NDF: 3325212.8/72

- sign 60.585+/-0.009 χ^2/NDF: 1424700.2/36



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.0/19

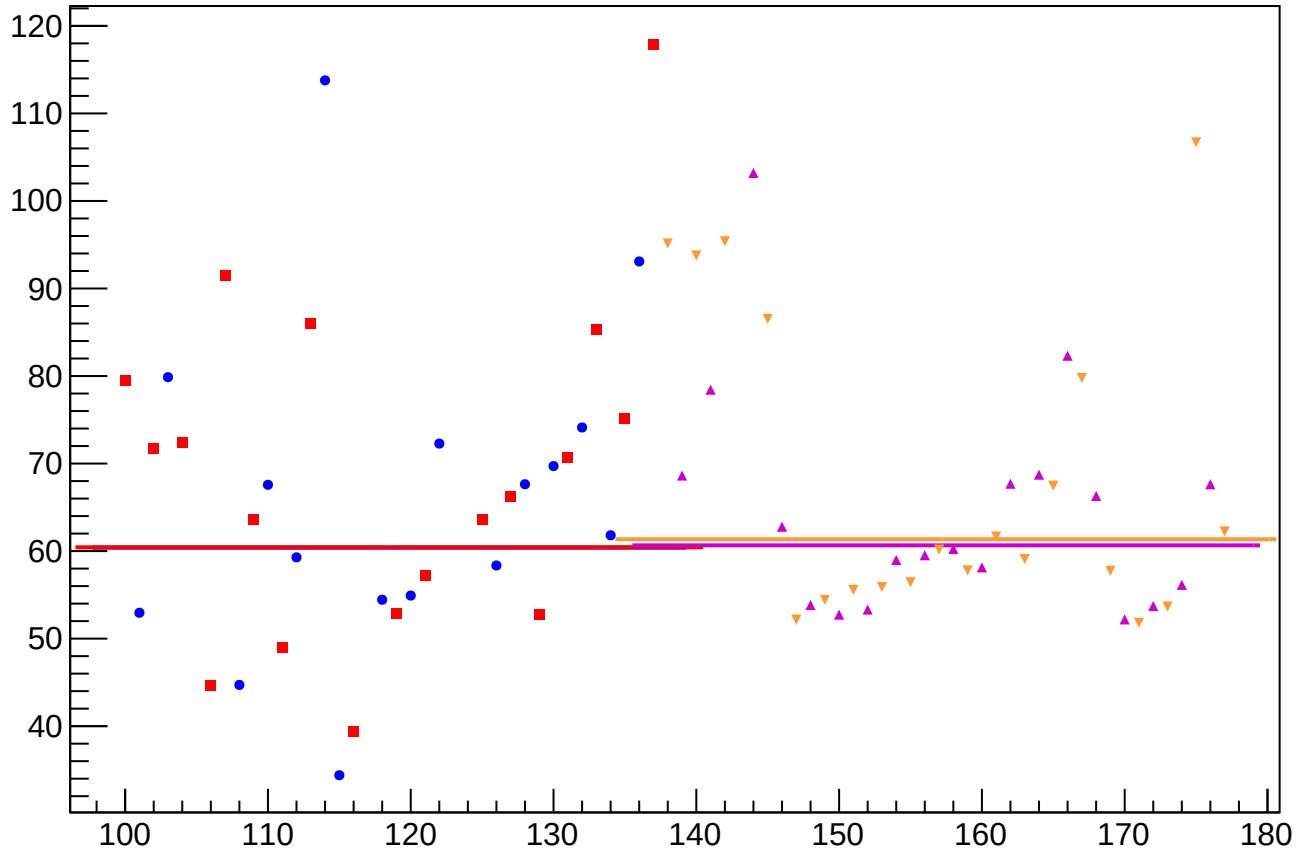
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.020+/-0.016 χ^2/NDF:27.5/18

+ sign -0.009+/-0.013 χ^2/NDF: 41.4/35

All: 0.002+/-0.009 χ^2/NDF: 98.6/72

- sign 0.013+/-0.013 χ^2/NDF: 55.9/36



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

Left Out: 61.357+/-0.011 χ^2/NDF:1193895.5/19

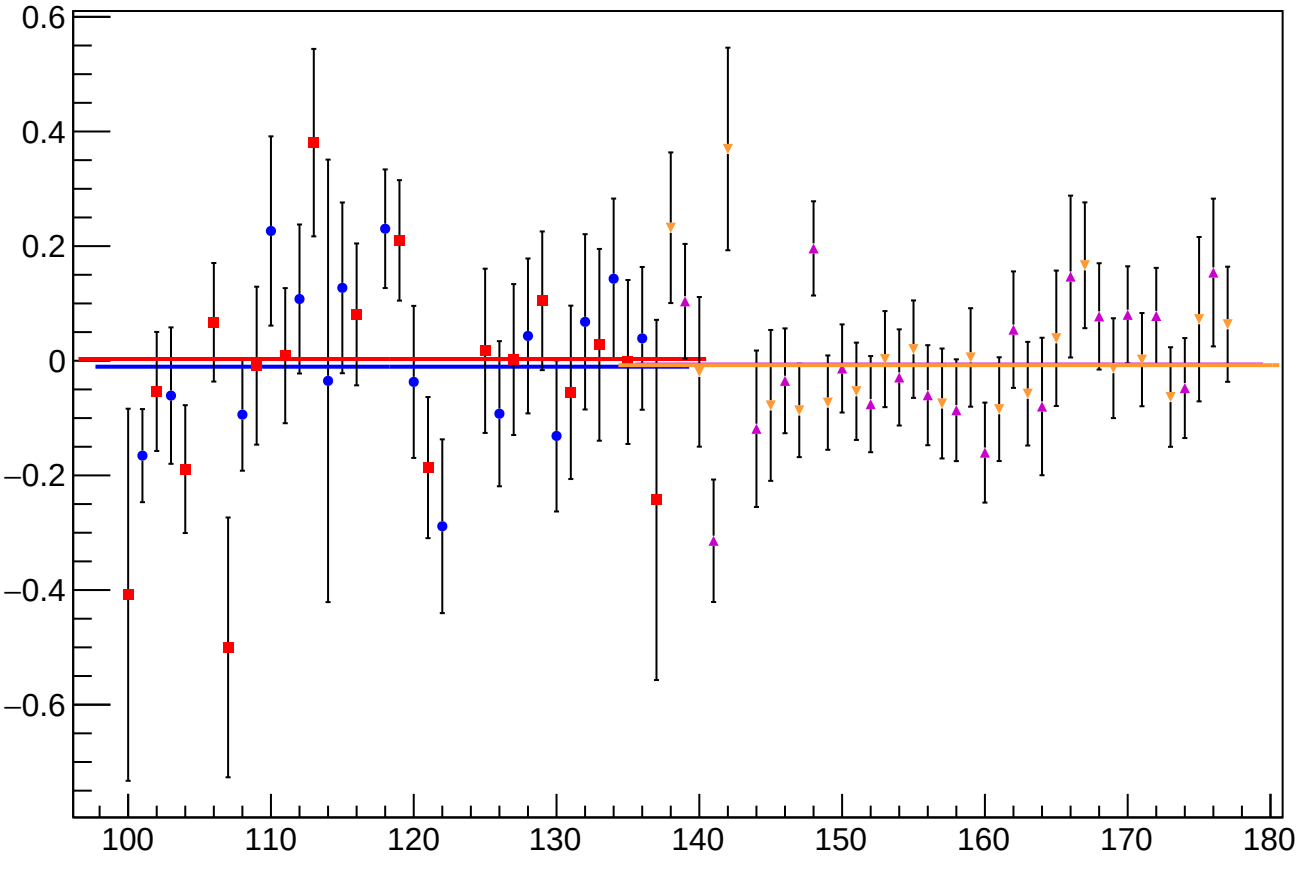
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.655+/-0.011 χ^2/NDF:713457.6/18

+ sign 61.055+/-0.009 χ^2/NDF: 1899275.8/35

All: 60.818+/-0.007 χ^2/NDF: 3325212.8/72

- sign 60.585+/-0.009 χ^2/NDF: 1424700.2/36



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

Left Out: -0.008+/-0.022 χ^2/NDF:15.6/19

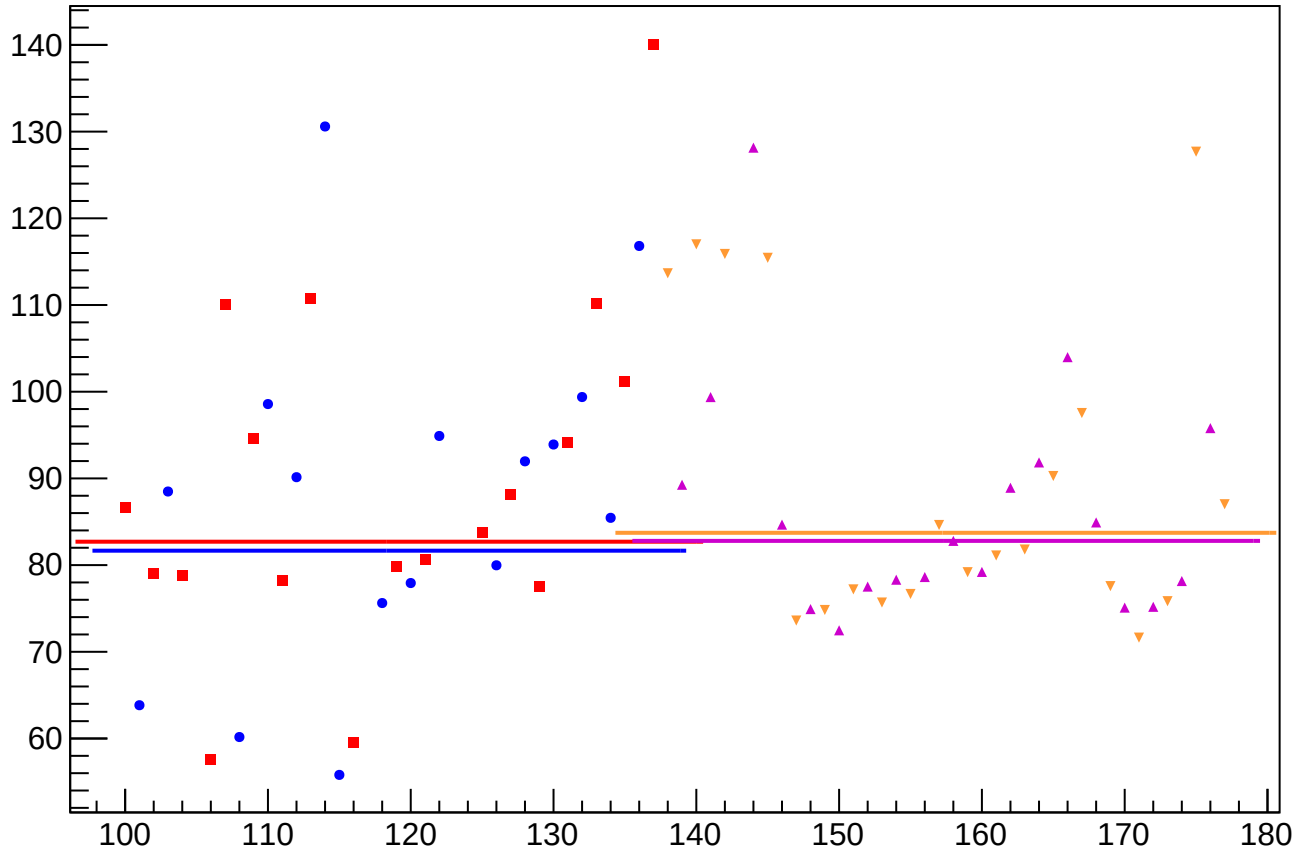
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.007+/-0.022 χ^2/NDF:28.0/18

+ sign -0.009+/-0.018 χ^2/NDF: 35.8/35

All: -0.006+/-0.013 χ^2/NDF: 87.5/72

- sign -0.004+/-0.018 χ^2/NDF: 51.7/36



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

Left Out: 83.727+/-0.015 χ^2/NDF:821357.5/19

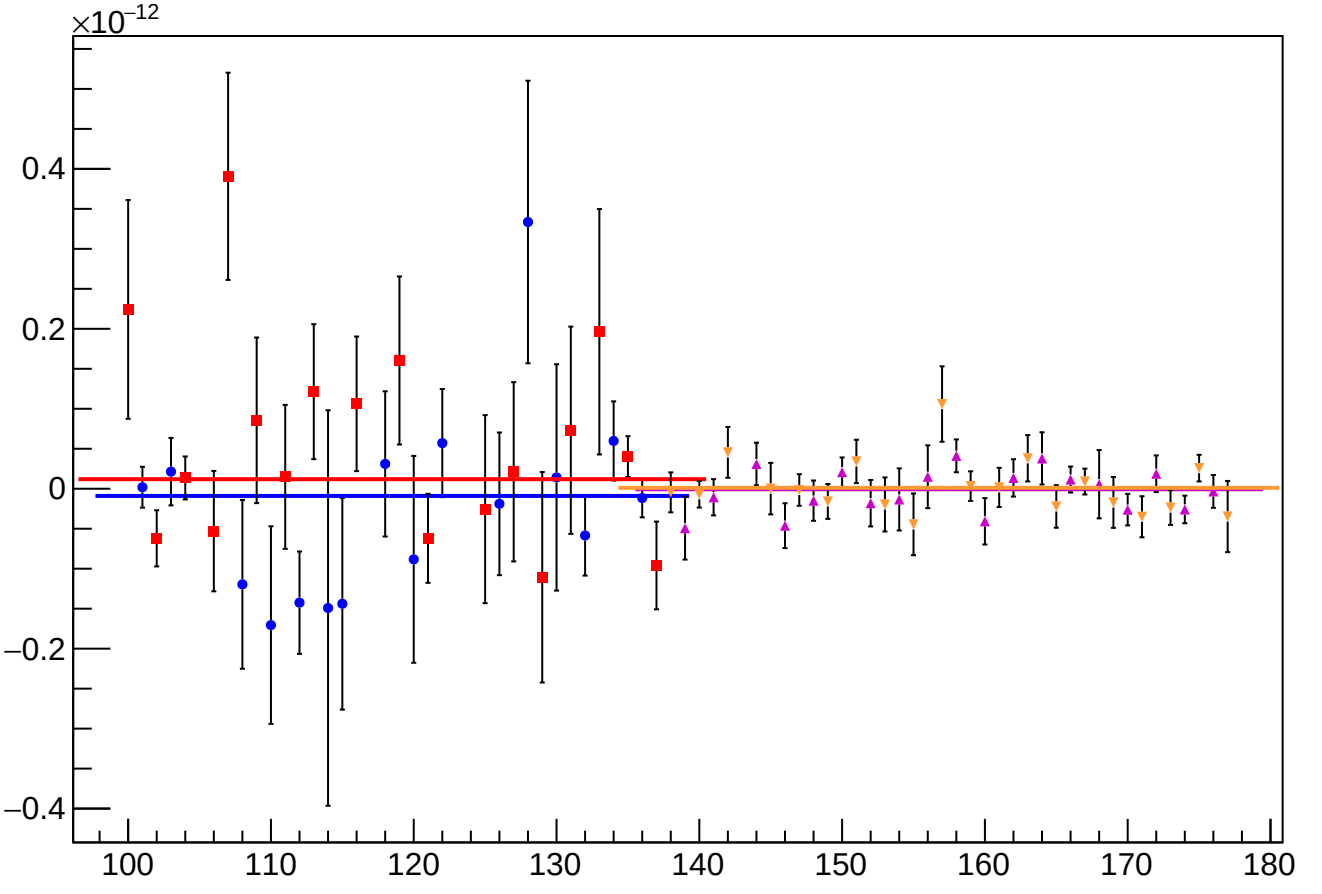
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 82.794+/-0.015 χ^2/NDF:477985.1/18

+ sign 83.067+/-0.013 χ^2/NDF: 1388996.0/35

All: 82.915+/-0.009 χ^2/NDF: 2340343.5/72

- sign 82.764+/-0.013 χ^2/NDF: 951059.4/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/19

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

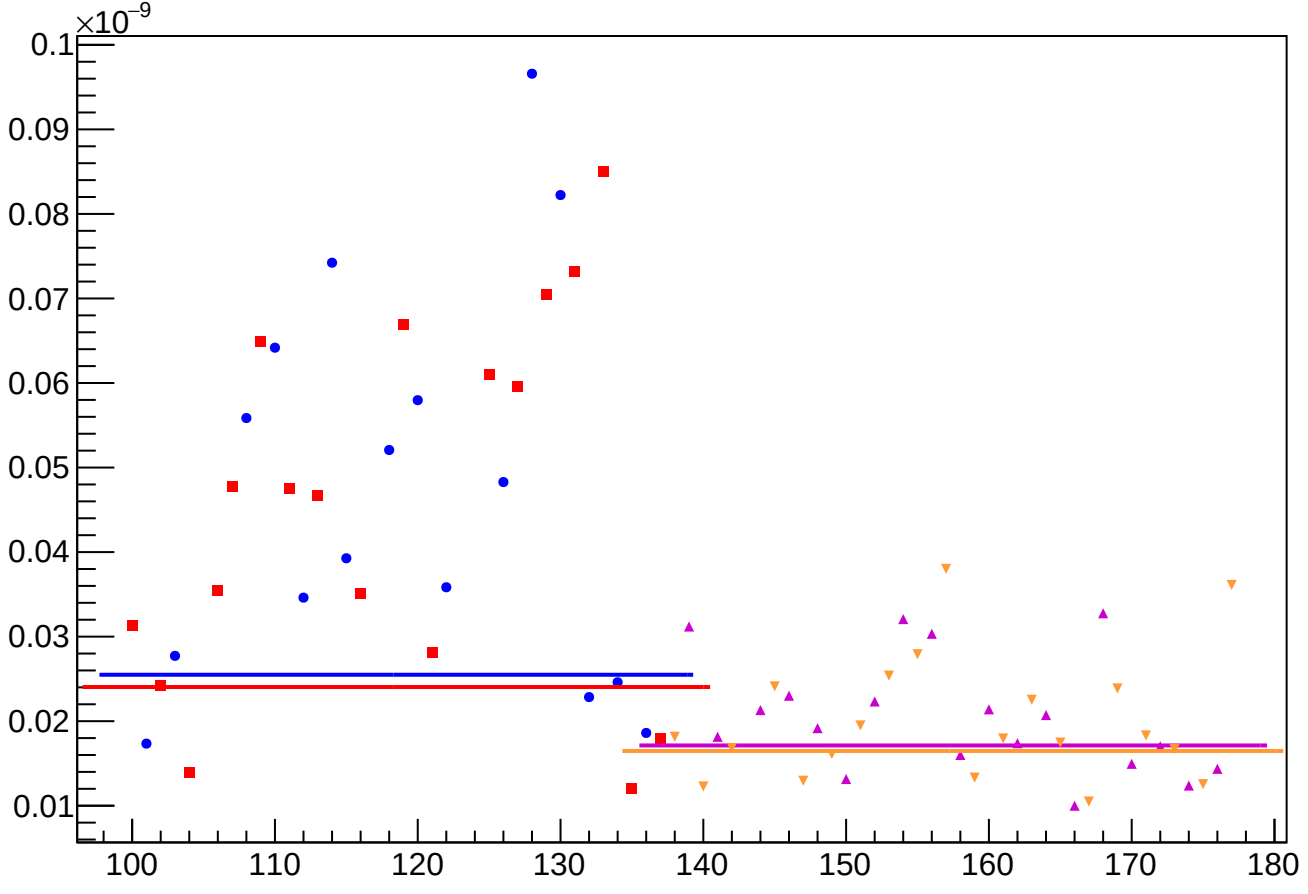
Left In: -0.000+/-0.000 χ^2/NDF:21.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/35

All: 0.000+/-0.000 χ^2/NDF: 91.0/72

- sign 0.000+/-0.000 χ^2/NDF: 52.8/36

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:2118681.7/19

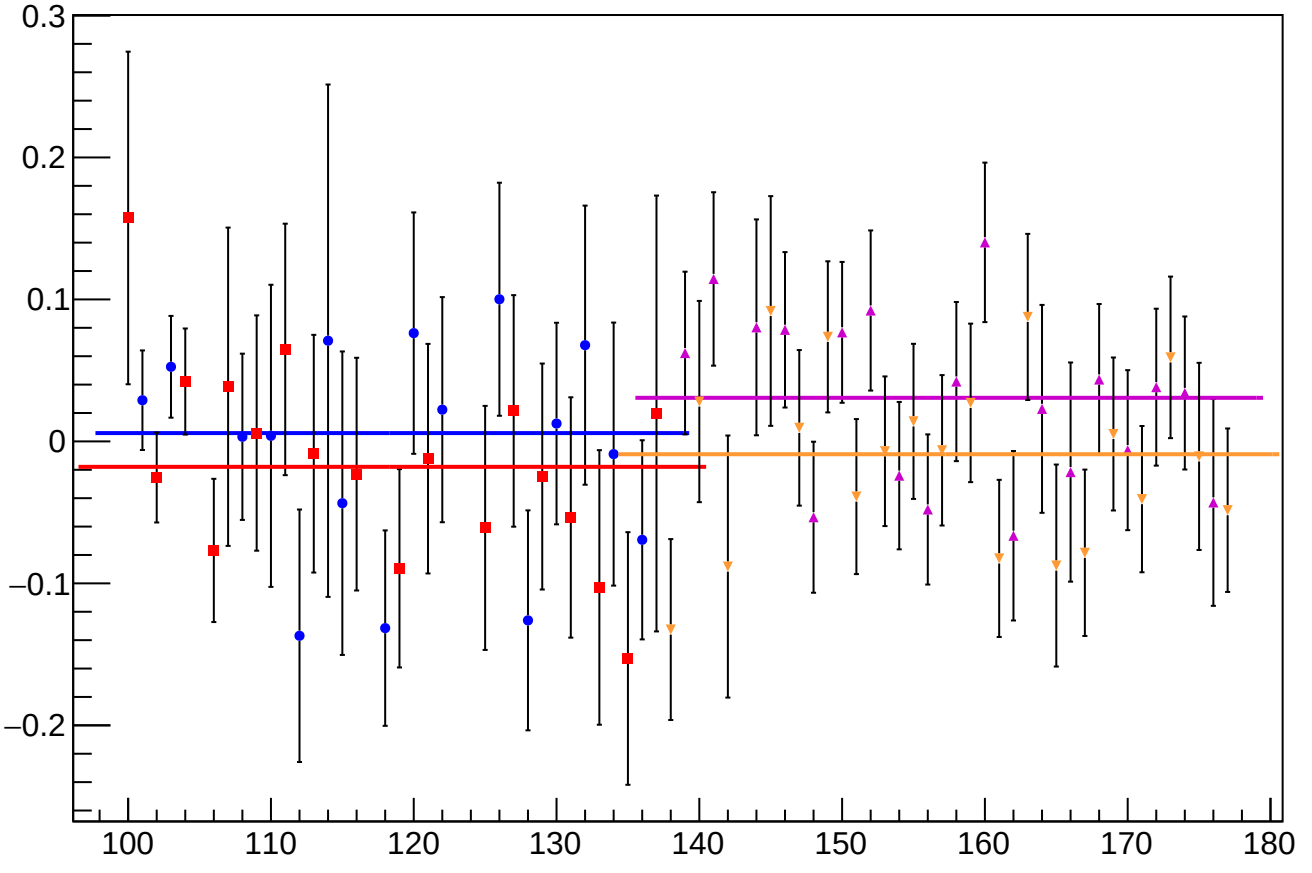
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2031387.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 4914968.7/35

All: 0.000+/-0.000 χ^2/NDF: 10492469.3/72

- sign 0.000+/-0.000 χ^2/NDF: 5571710.0/36



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

Left Out: -0.009+/-0.013 χ^2/NDF:19.2/19

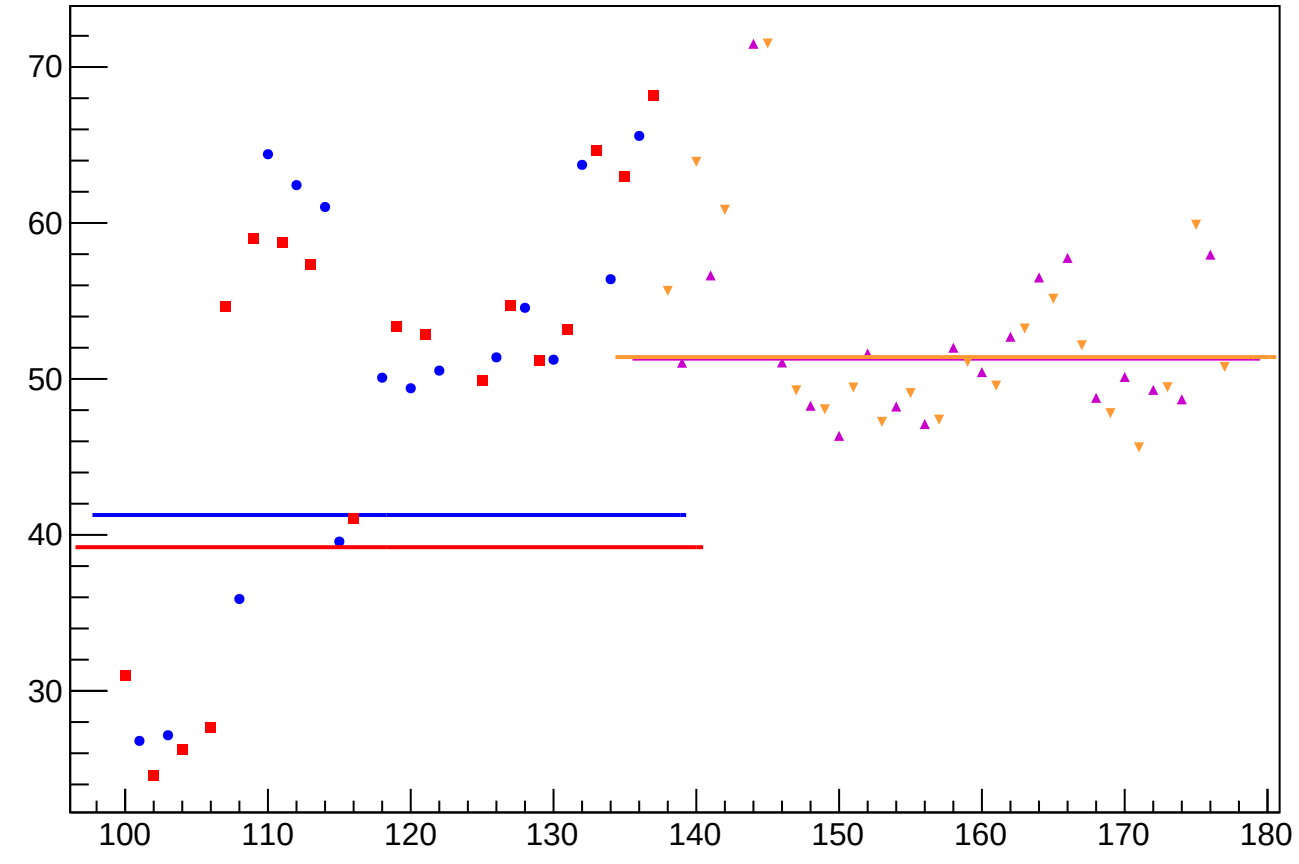
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.031+/-0.013 χ^2/NDF:19.8/18

+ sign -0.003+/-0.010 χ^2/NDF: 35.3/35

All: 0.004+/-0.007 χ^2/NDF: 73.8/72

- sign 0.010+/-0.010 χ^2/NDF: 37.7/36



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

Left Out: 51.402+/-0.009 χ^2/NDF:336574.3/19

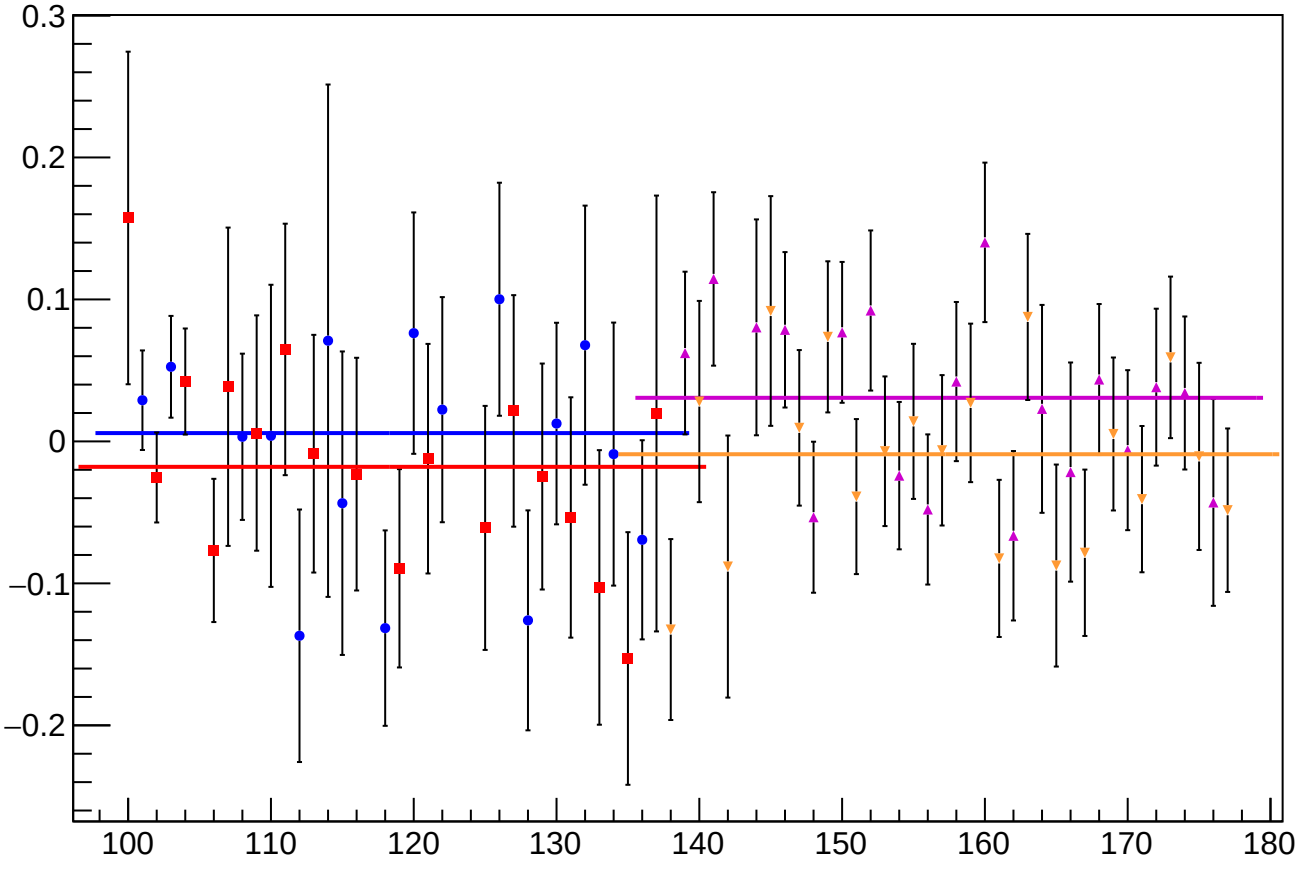
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.302+/-0.009 χ^2/NDF:257801.2/18

+ sign 47.475+/-0.007 χ^2/NDF: 2301474.7/35

All: 46.868+/-0.005 χ^2/NDF: 5083067.8/72

- sign 46.278+/-0.007 χ^2/NDF: 2767860.0/36



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

Left Out: -0.009+/-0.013 χ^2/NDF:19.2/19

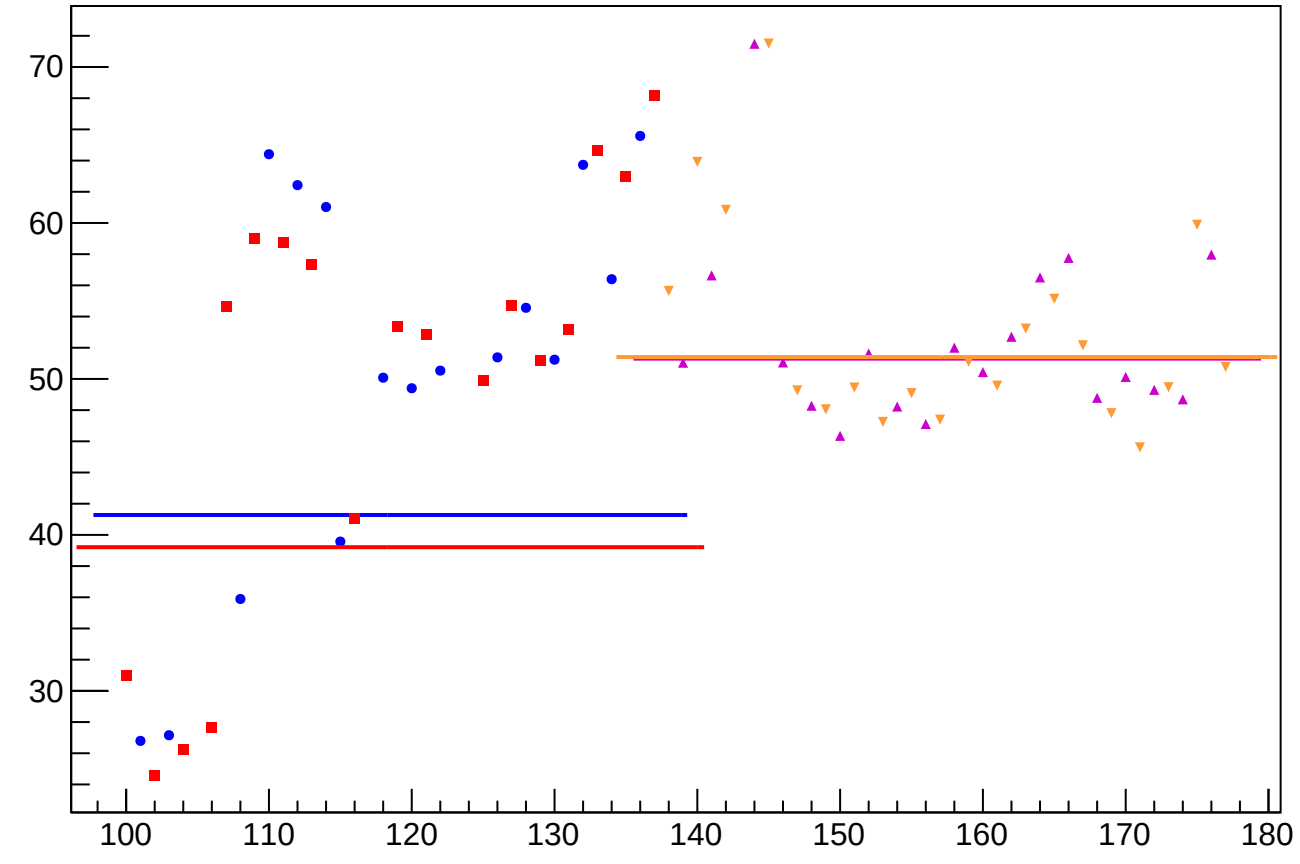
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.031+/-0.013 χ^2/NDF:19.8/18

+ sign -0.003+/-0.010 χ^2/NDF: 35.3/35

All: 0.004+/-0.007 χ^2/NDF: 73.8/72

- sign 0.010+/-0.010 χ^2/NDF: 37.7/36



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

Left Out: 51.402+/-0.009 χ^2/NDF:336574.3/19

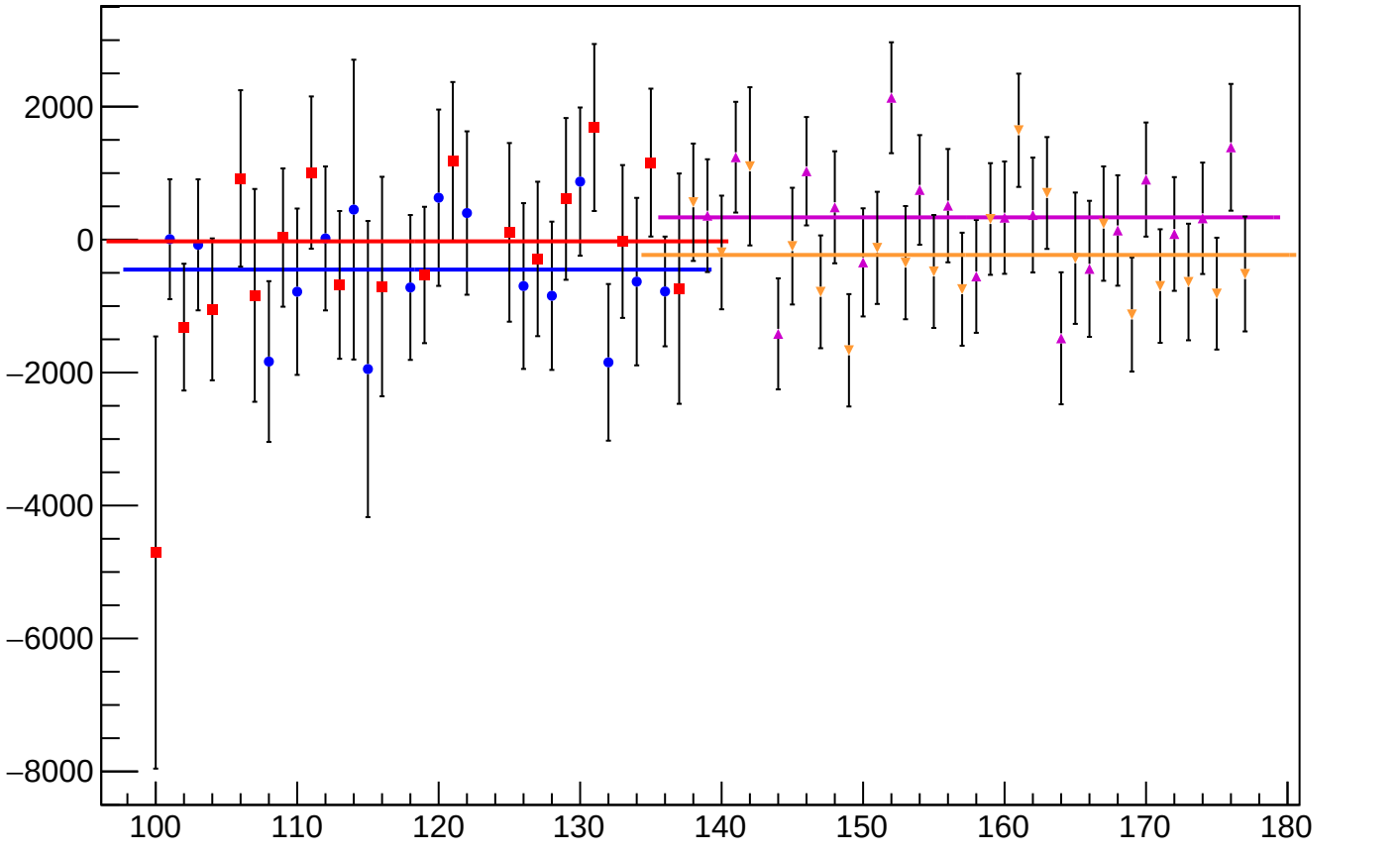
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.302+/-0.009 χ^2/NDF:257801.2/18

\+ sign 47.475+/-0.007 χ^2/NDF: 2301474.7/35

All: 46.868+/-0.005 χ^2/NDF: 5083067.8/72

\- sign 46.278+/-0.007 χ^2/NDF: 2767860.0/36



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

Left Out: -230.814+/-194.736 χ^2/NDF:14.9/19

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

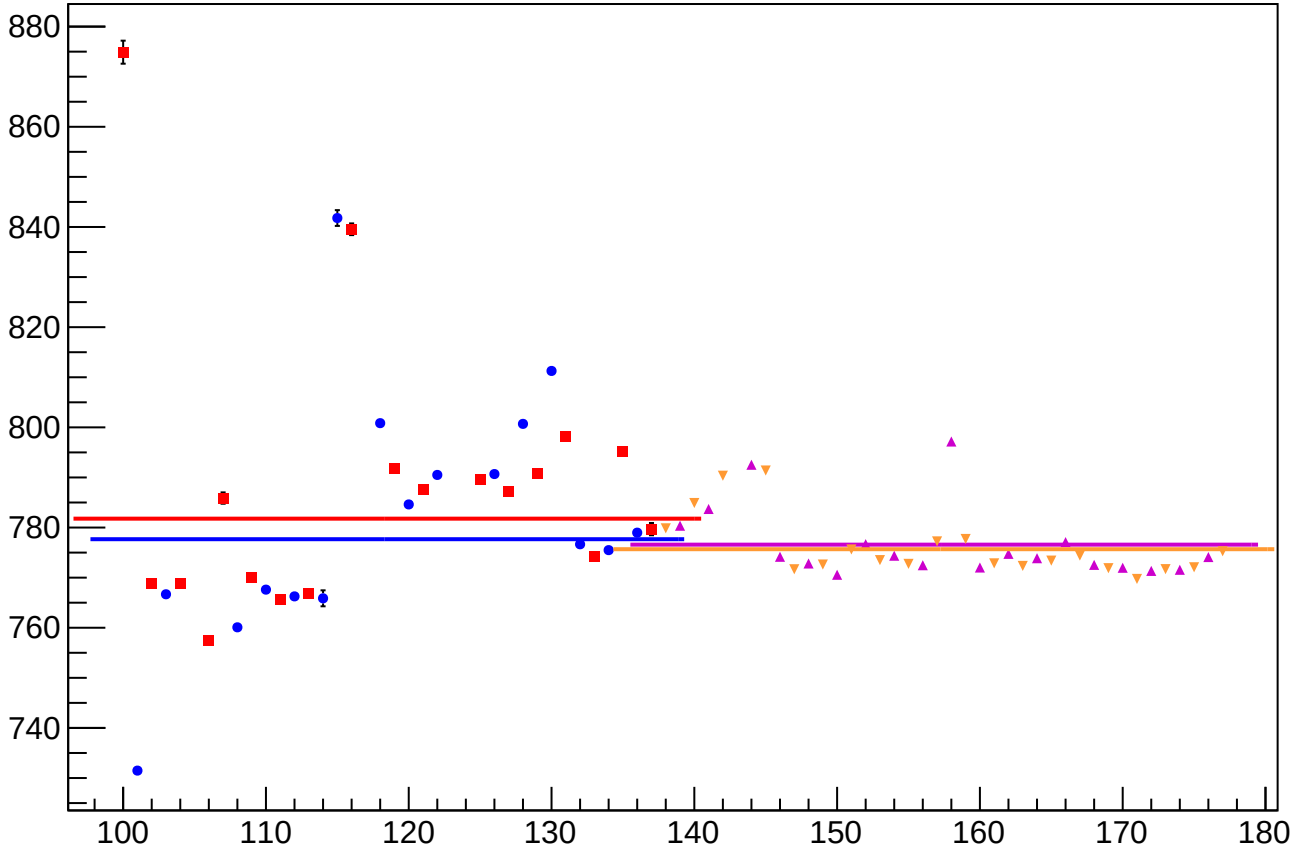
Left In: 334.785+/-196.993 χ^2/NDF:18.8/18

+ sign -299.571+/-161.486 χ^2/NDF: 22.2/35

All: -41.686+/-114.583 χ^2/NDF: 58.9/72

- sign 219.802+/-162.610 χ^2/NDF: 31.6/36

reg_asym_us_dd_rms vs Slug



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

Left Out: 775.678+/-0.138 χ^2/NDF:1630.4/19

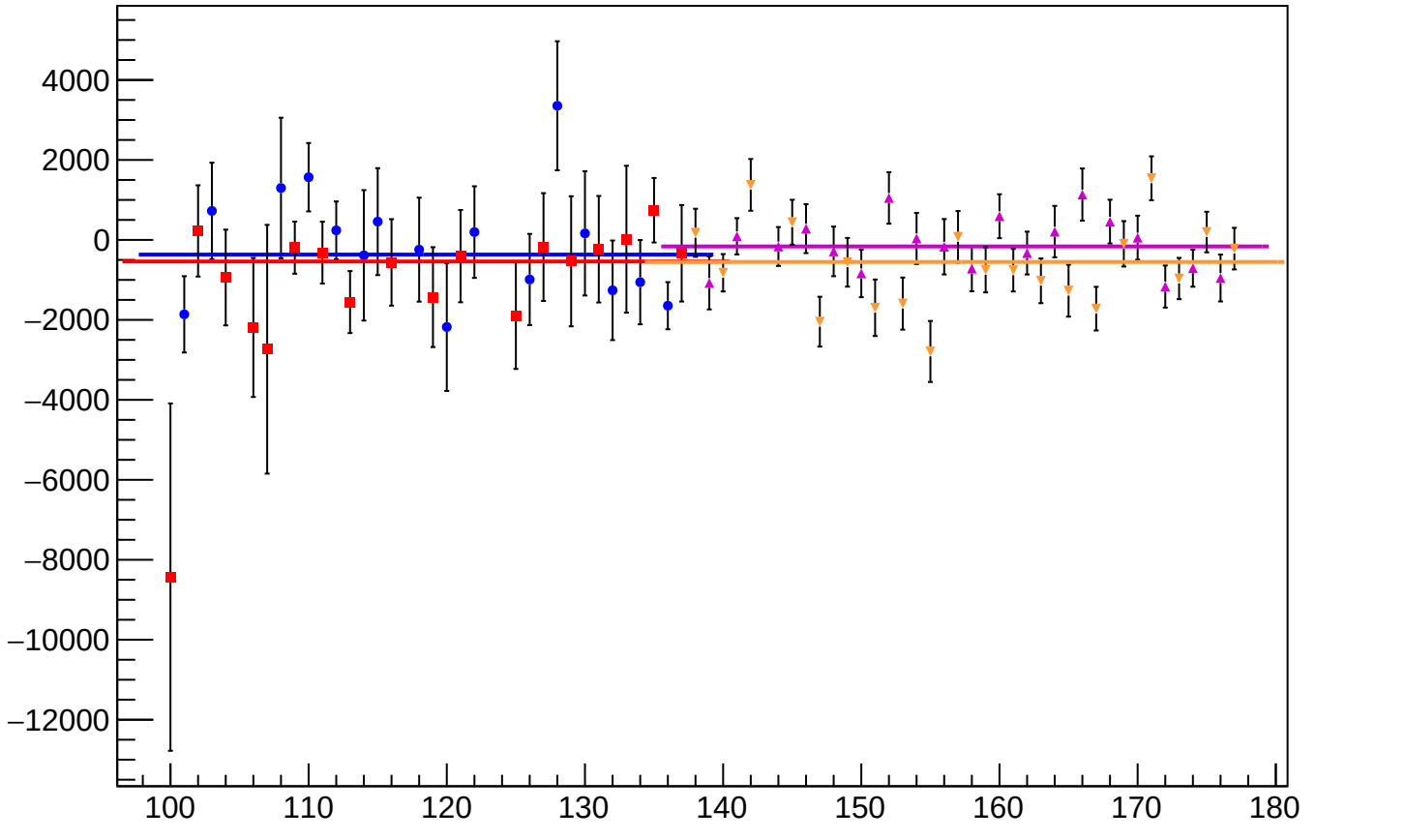
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.587+/-0.139 χ^2/NDF:2667.9/18

+ sign 776.302+/-0.114 χ^2/NDF: 13751.4/35

All: 777.264+/-0.081 χ^2/NDF: 24631.0/72

- sign 778.240+/-0.115 χ^2/NDF: 10736.4/36



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

Left Out: -550.839+/-129.091 χ^2/NDF:59.5/19

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

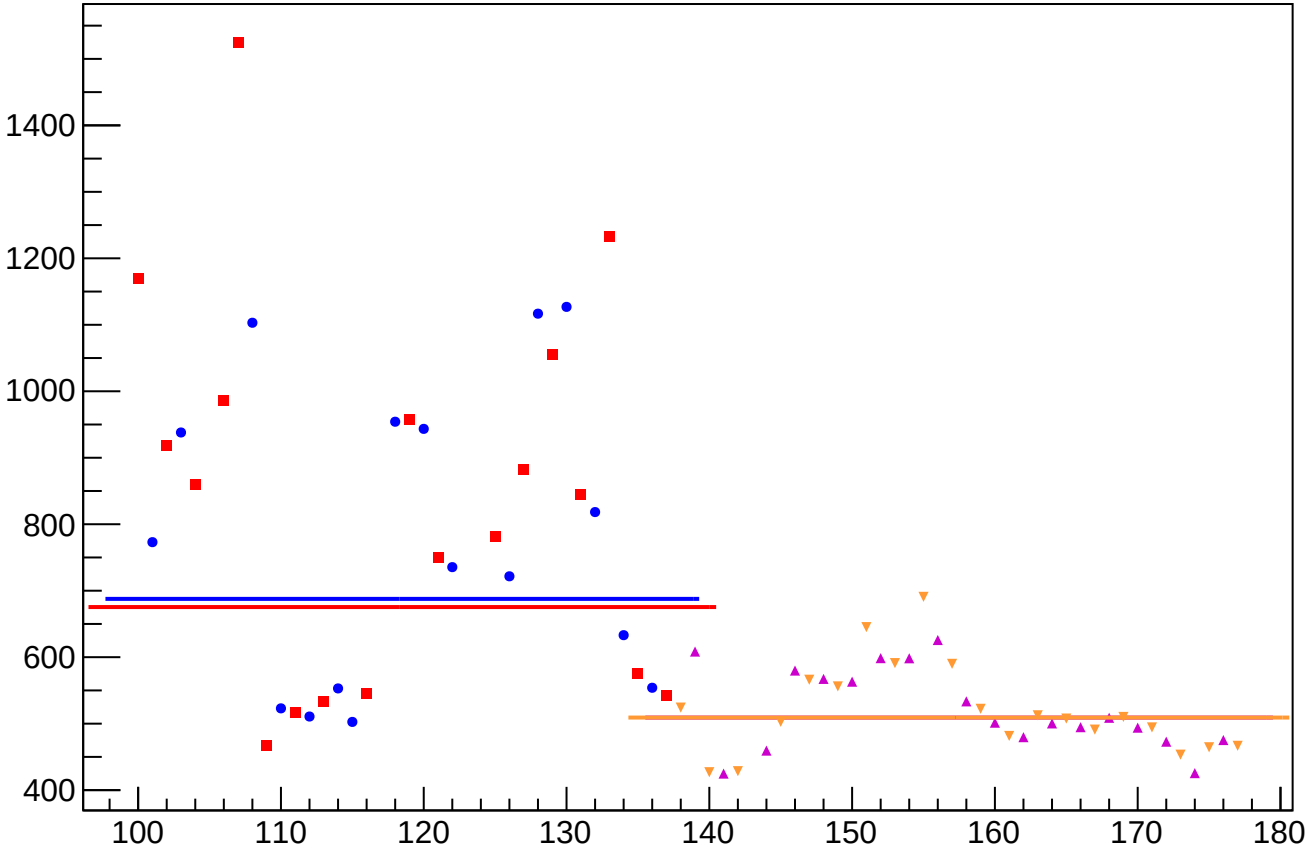
Left In: -163.230+/-130.302 χ^2/NDF:23.2/18

+ sign -515.945+/-116.195 χ^2/NDF: 83.2/35

All: -377.290+/-82.358 χ^2/NDF: 122.5/72

- sign -237.309+/-116.749 χ^2/NDF: 36.5/36

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 509.168+/-0.091 χ^2/NDF:435814.6/19

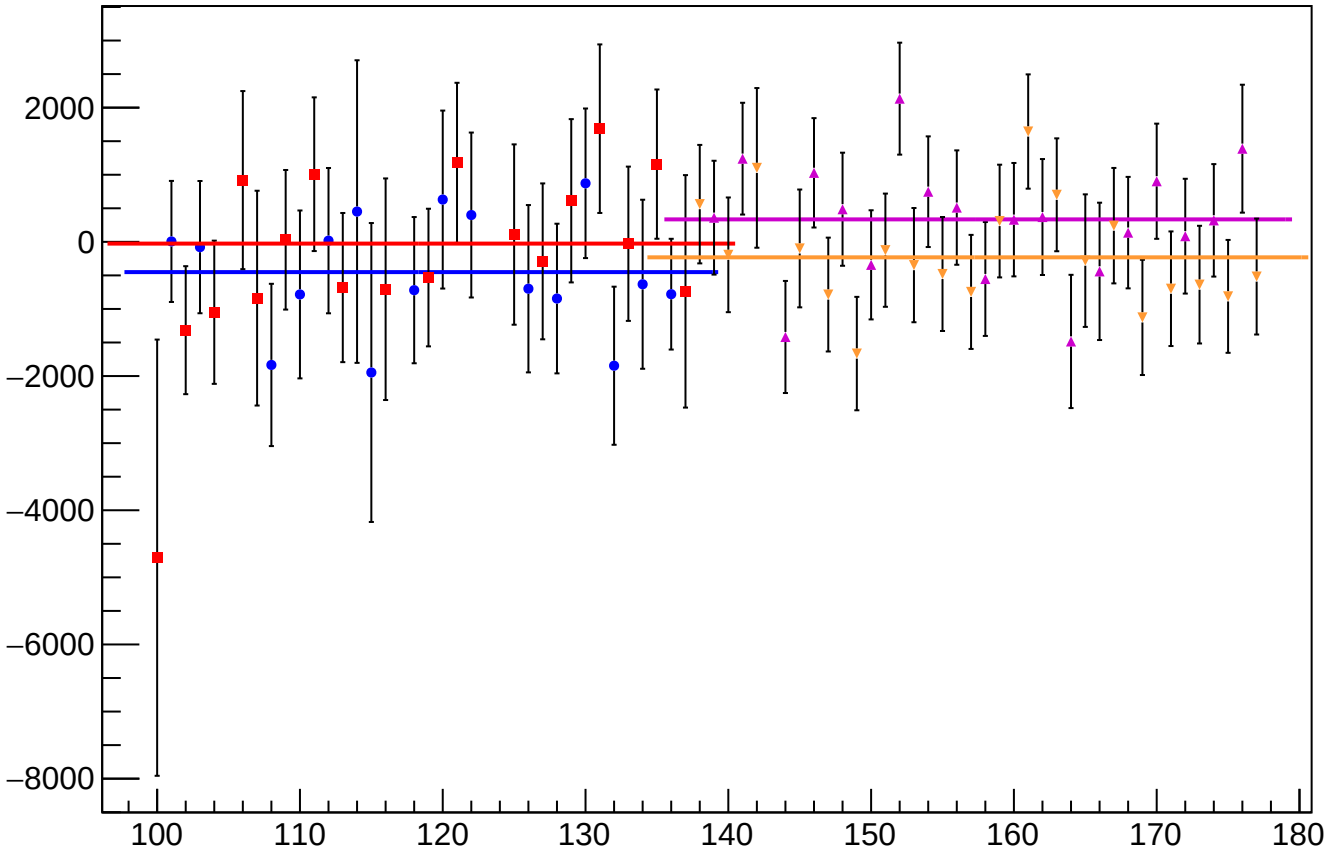
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 509.136+/-0.092 χ^2/NDF:424181.0/18

+ sign 543.060+/-0.082 χ^2/NDF: 2193972.7/35

All: 542.495+/-0.058 χ^2/NDF: 4573465.5/72

- sign 541.925+/-0.083 χ^2/NDF: 2379397.9/36



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

Left Out: -230.814+/-194.736 χ^2/NDF:14.9/19

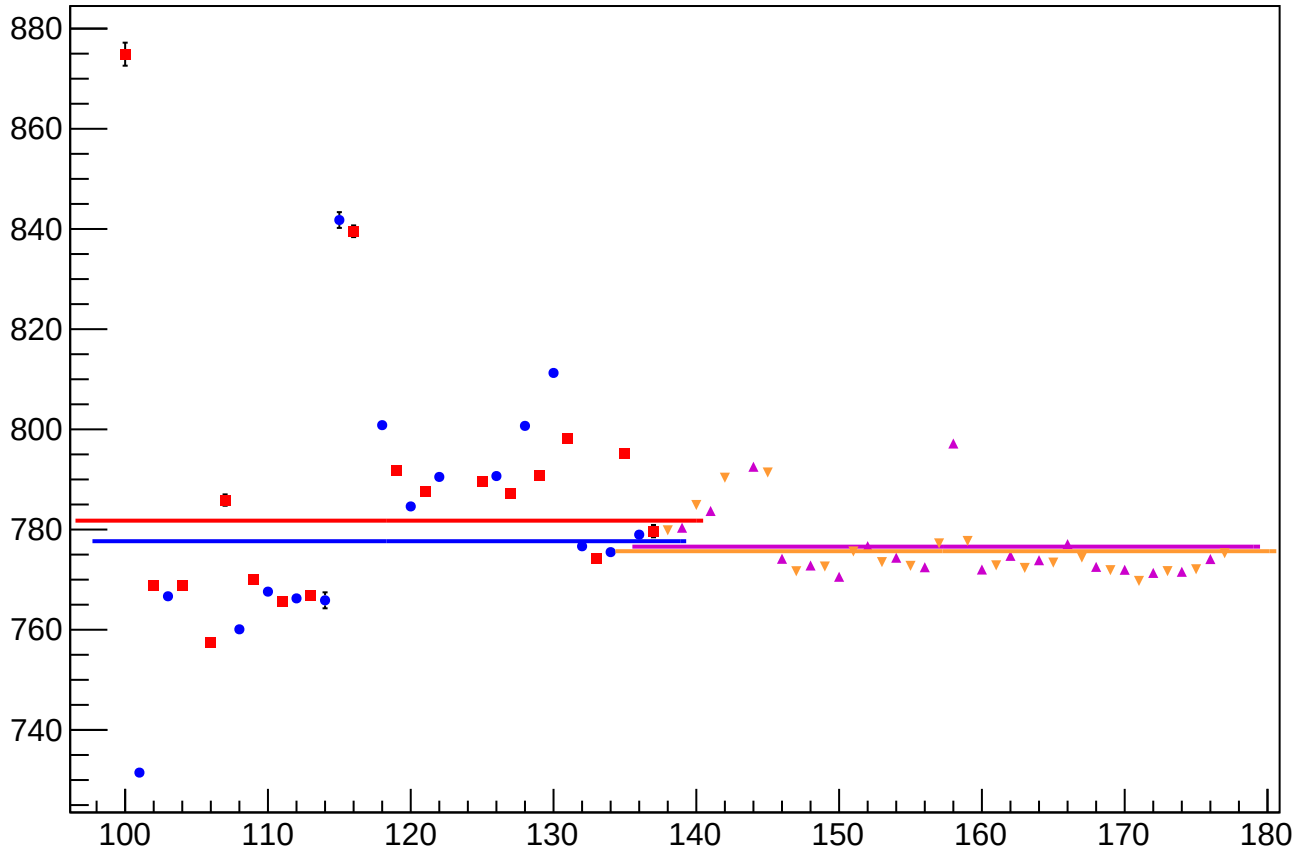
Right Out: -26.099+/-288.079 χ^2/NDF: 11.7/17

Left In: 334.785+/-196.993 χ^2/NDF:18.8/18

+ sign -299.571+/-161.486 χ^2/NDF: 22.2/35

All: -41.686+/-114.583 χ^2/NDF: 58.9/72

- sign 219.802+/-162.610 χ^2/NDF: 31.6/36



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

Left Out: 775.678+/-0.138 χ^2/NDF:1630.4/19

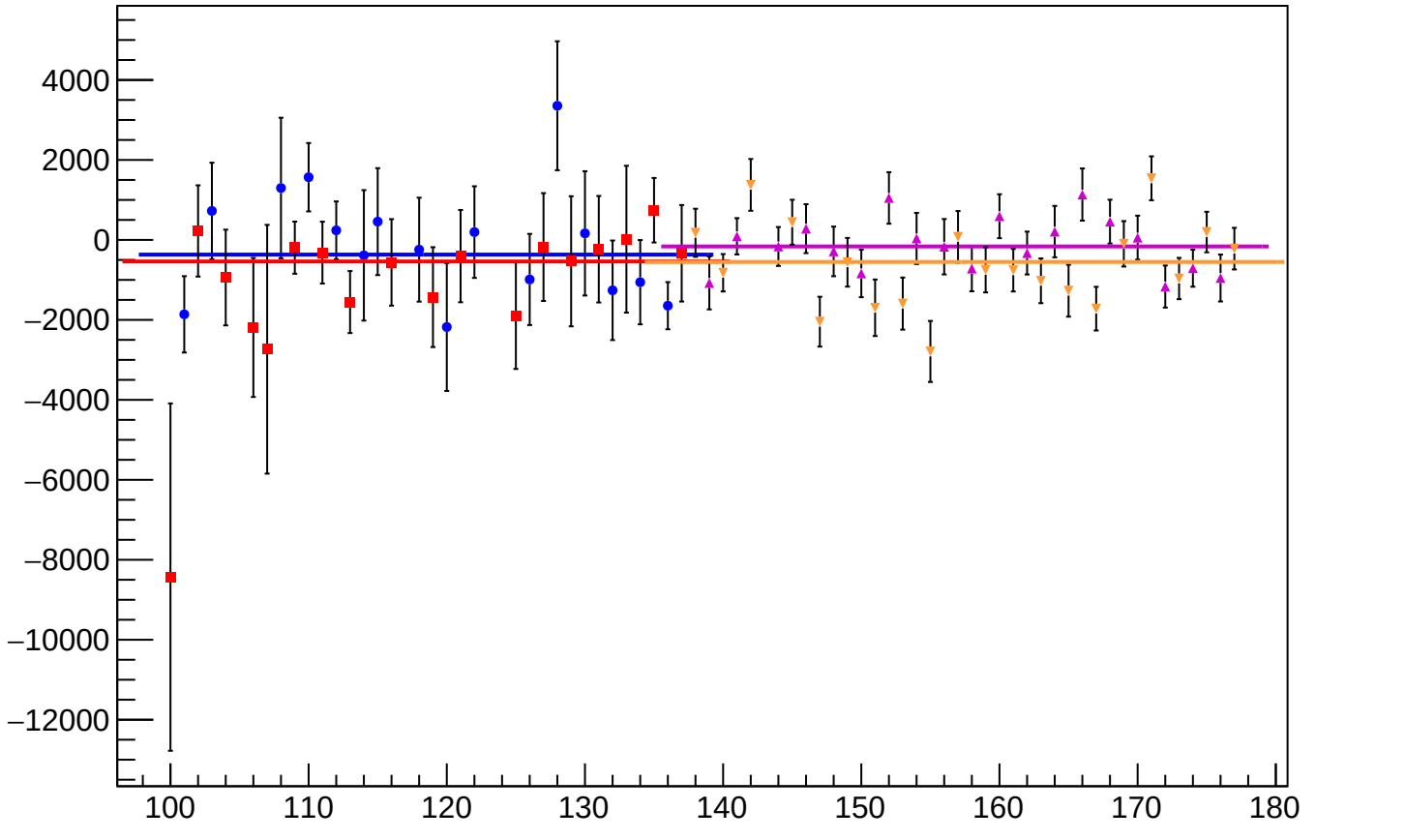
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.587+/-0.139 χ^2/NDF:2667.9/18

+ sign 776.302+/-0.114 χ^2/NDF: 13751.4/35

All: 777.264+/-0.081 χ^2/NDF: 24631.0/72

- sign 778.240+/-0.115 χ^2/NDF: 10736.4/36



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

Left Out: -550.839+/-129.091 χ^2/NDF:59.5/19

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

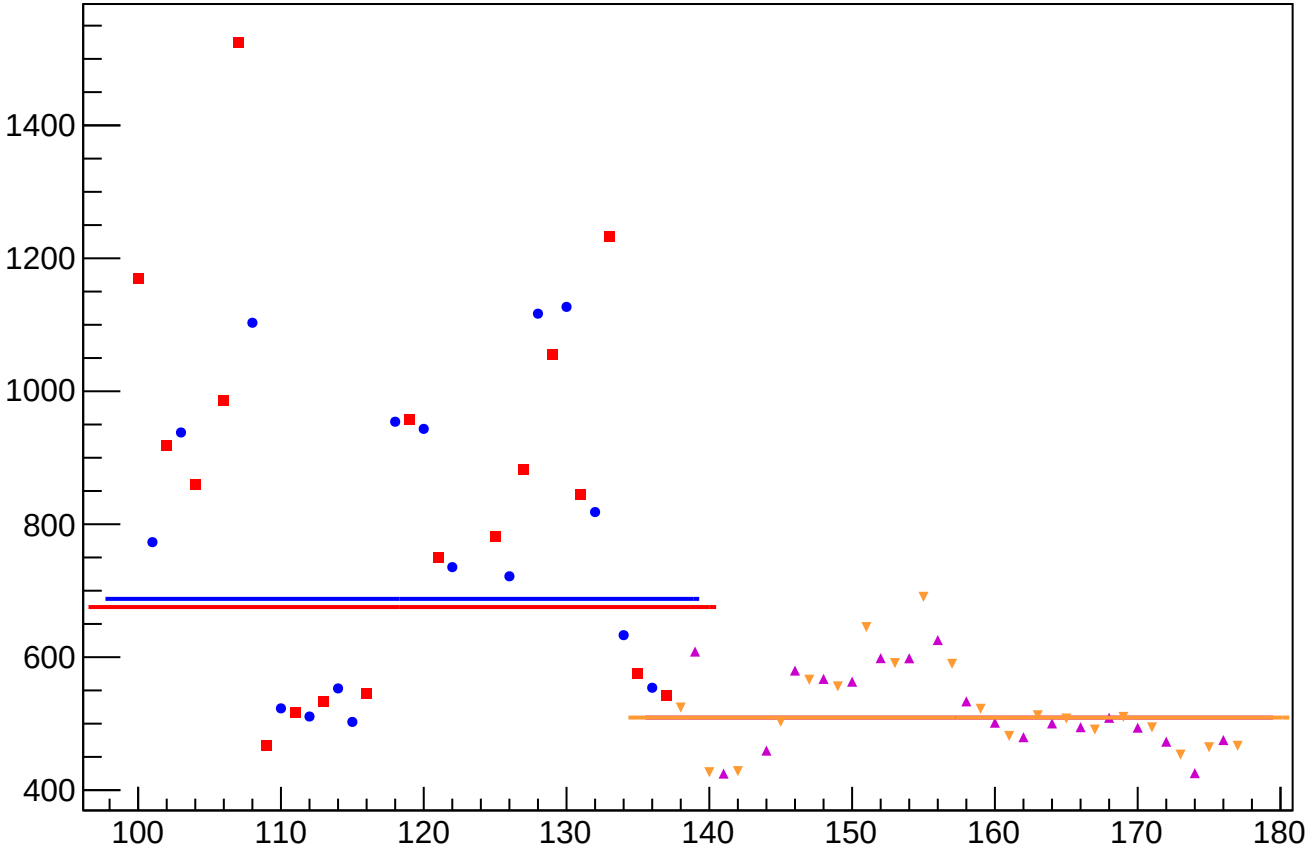
Left In: -163.230+/-130.302 χ^2/NDF:23.2/18

+ sign -515.945+/-116.195 χ^2/NDF: 83.2/35

All: -377.290+/-82.358 χ^2/NDF: 122.5/72

- sign -237.309+/-116.749 χ^2/NDF: 36.5/36

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 509.168+/-0.091 χ^2/NDF:435814.6/19

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

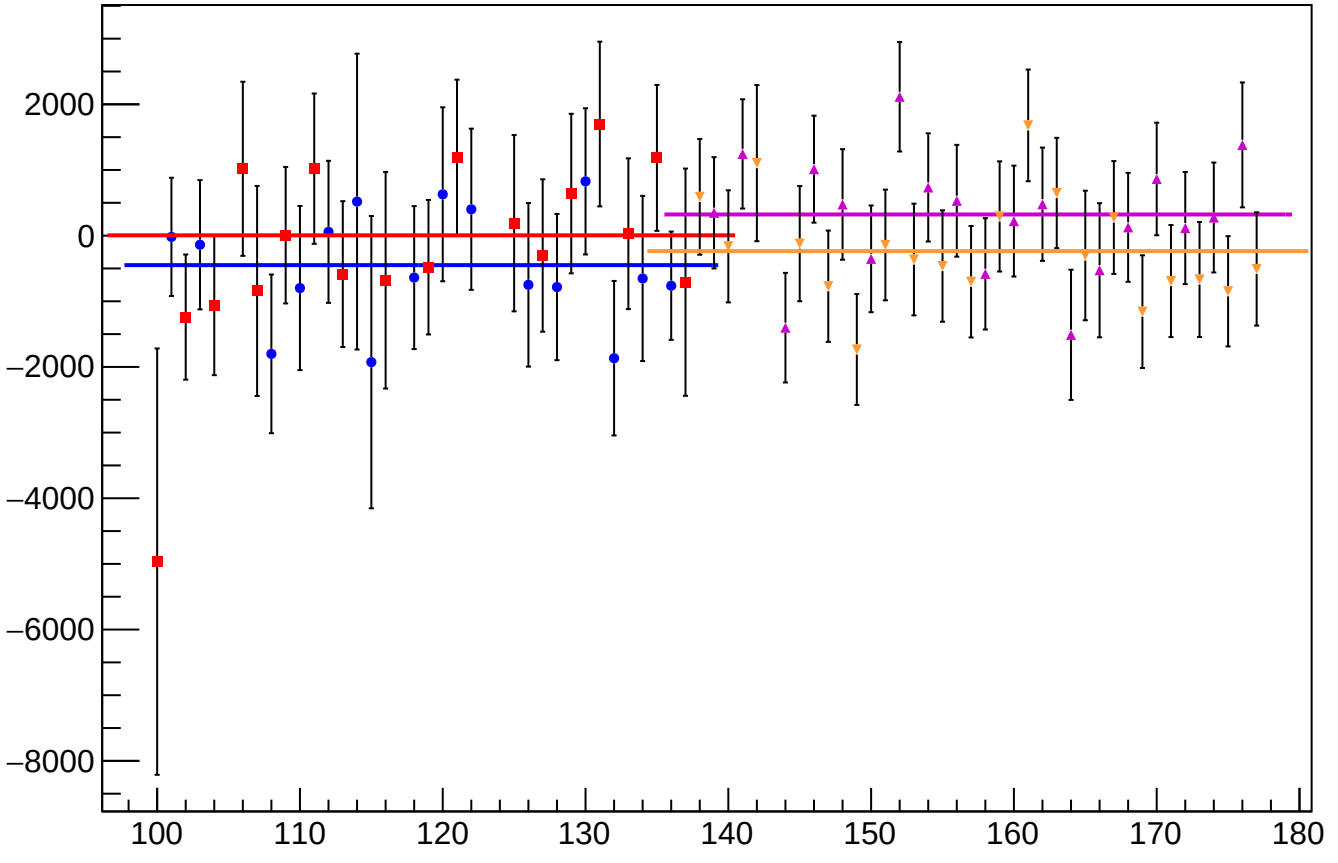
Left In: 509.136+/-0.092 χ^2/NDF:424181.0/18

\+ sign 543.060+/-0.082 χ^2/NDF: 2193972.7/35

All: 542.495+/-0.058 χ^2/NDF: 4573465.5/72

\- sign 541.925+/-0.083 χ^2/NDF: 2379397.9/36

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -235.650+/-194.545 χ^2/NDF:15.4/19

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

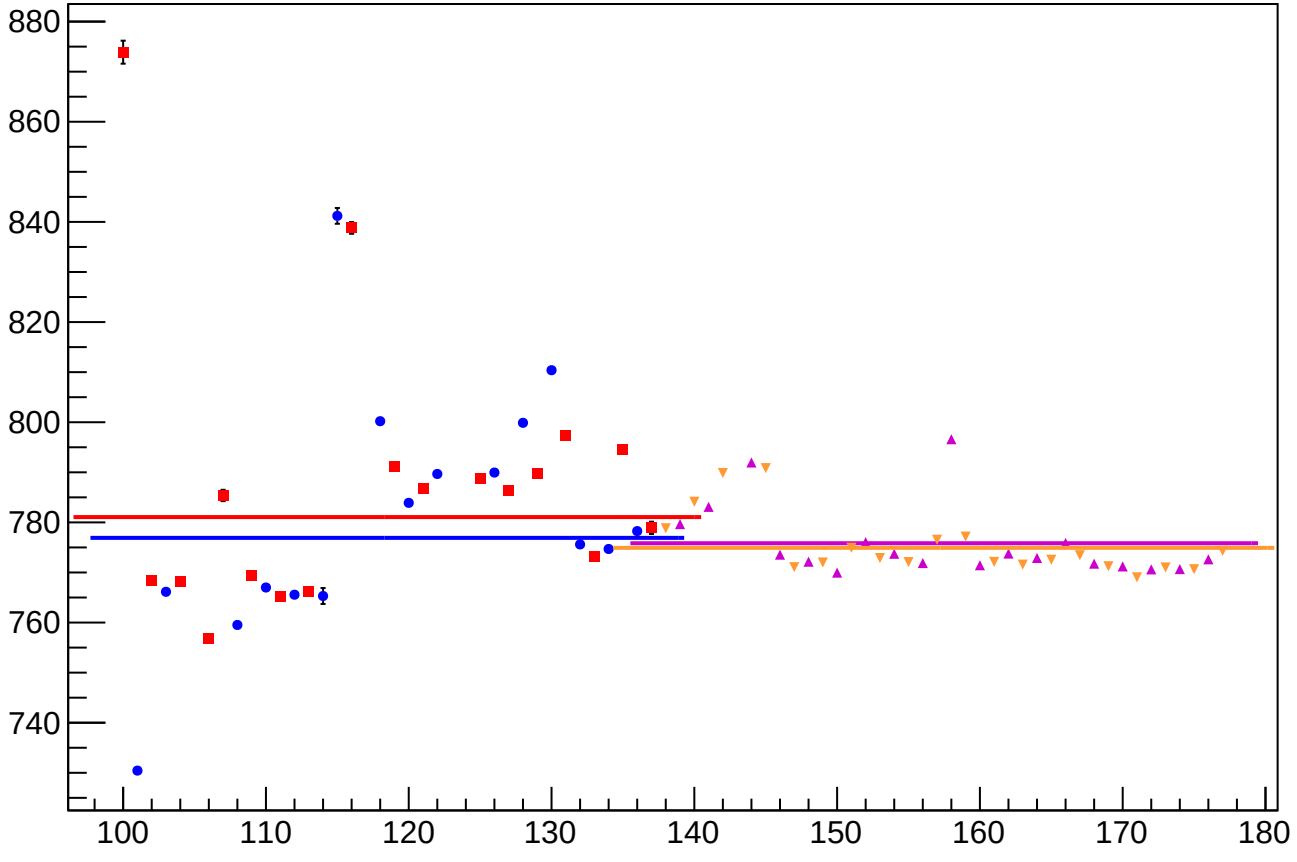
Left In: 322.533+/-196.803 χ^2/NDF:18.9/18

+ sign -302.421+/-161.328 χ^2/NDF: 22.5/35

All: -42.407+/-114.473 χ^2/NDF: 59.3/72

- sign 221.255+/-162.455 χ^2/NDF: 31.6/36

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 774.918+/-0.138 χ^2/NDF:1661.9/19

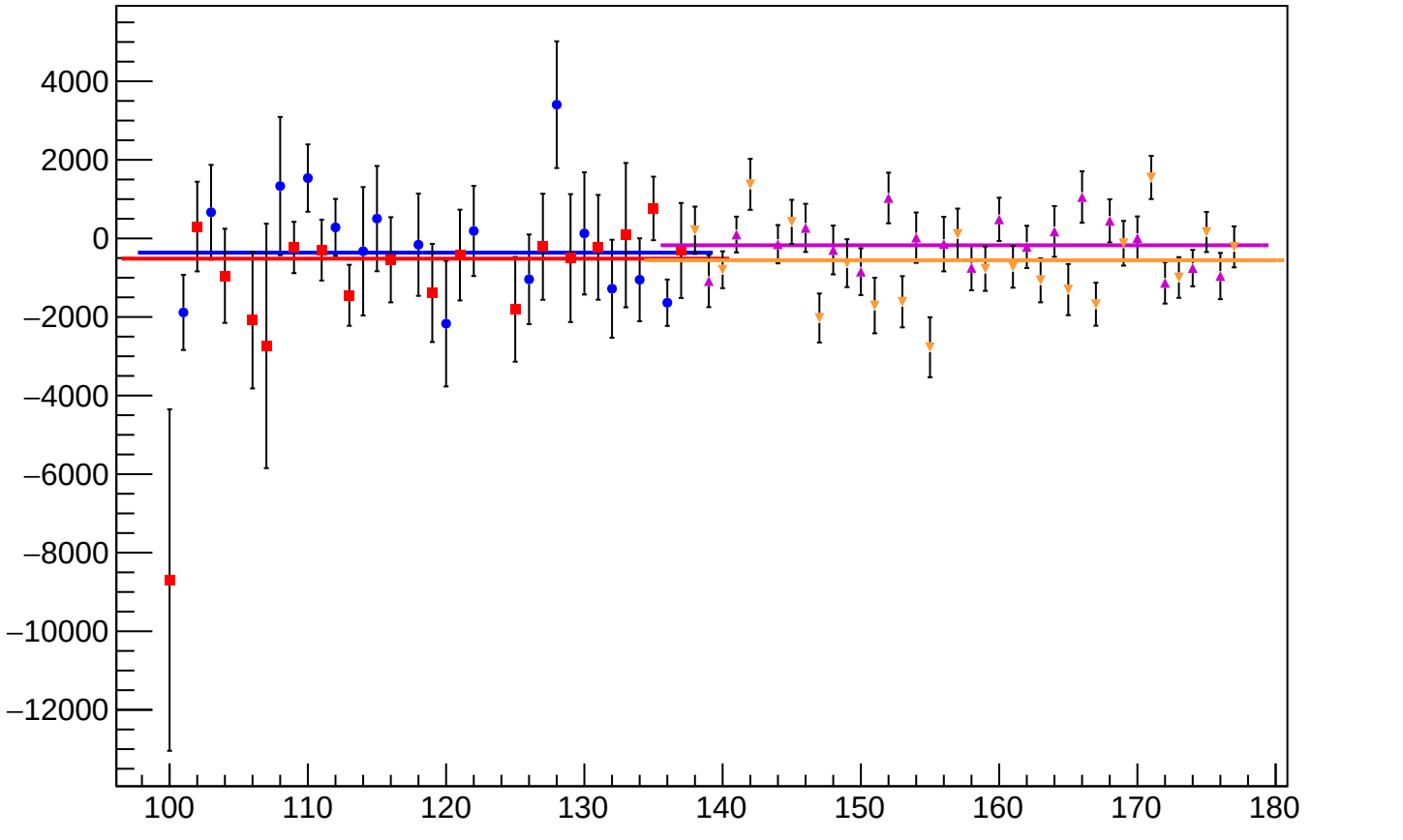
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 775.839+/-0.139 χ^2/NDF:2717.1/18

+ sign 775.541+/-0.114 χ^2/NDF: 13851.1/35

All: 776.515+/-0.081 χ^2/NDF: 24749.5/72

- sign 777.503+/-0.115 χ^2/NDF: 10751.6/36



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

Left Out: -555.613+/-129.408 χ^2/NDF:59.0/19

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

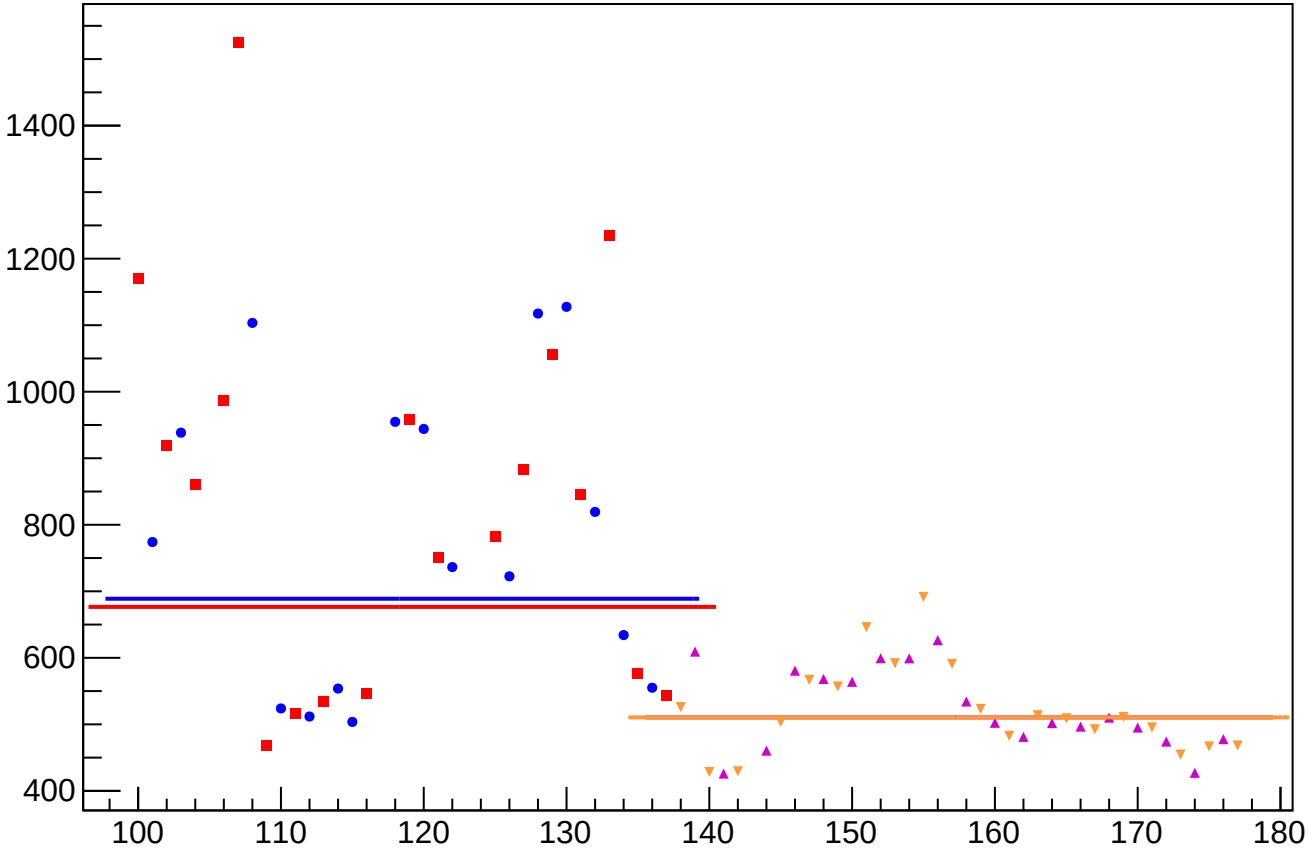
Left In: -174.399+/-130.619 χ^2/NDF:22.0/18

\+ sign -518.956+/-116.458 χ^2/NDF: 82.8/35

All: -380.997+/-82.543 χ^2/NDF: 120.3/72

\- sign -241.724+/-117.012 χ^2/NDF: 34.7/36

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 510.469+/-0.092 χ^2/NDF:431101.1/19

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

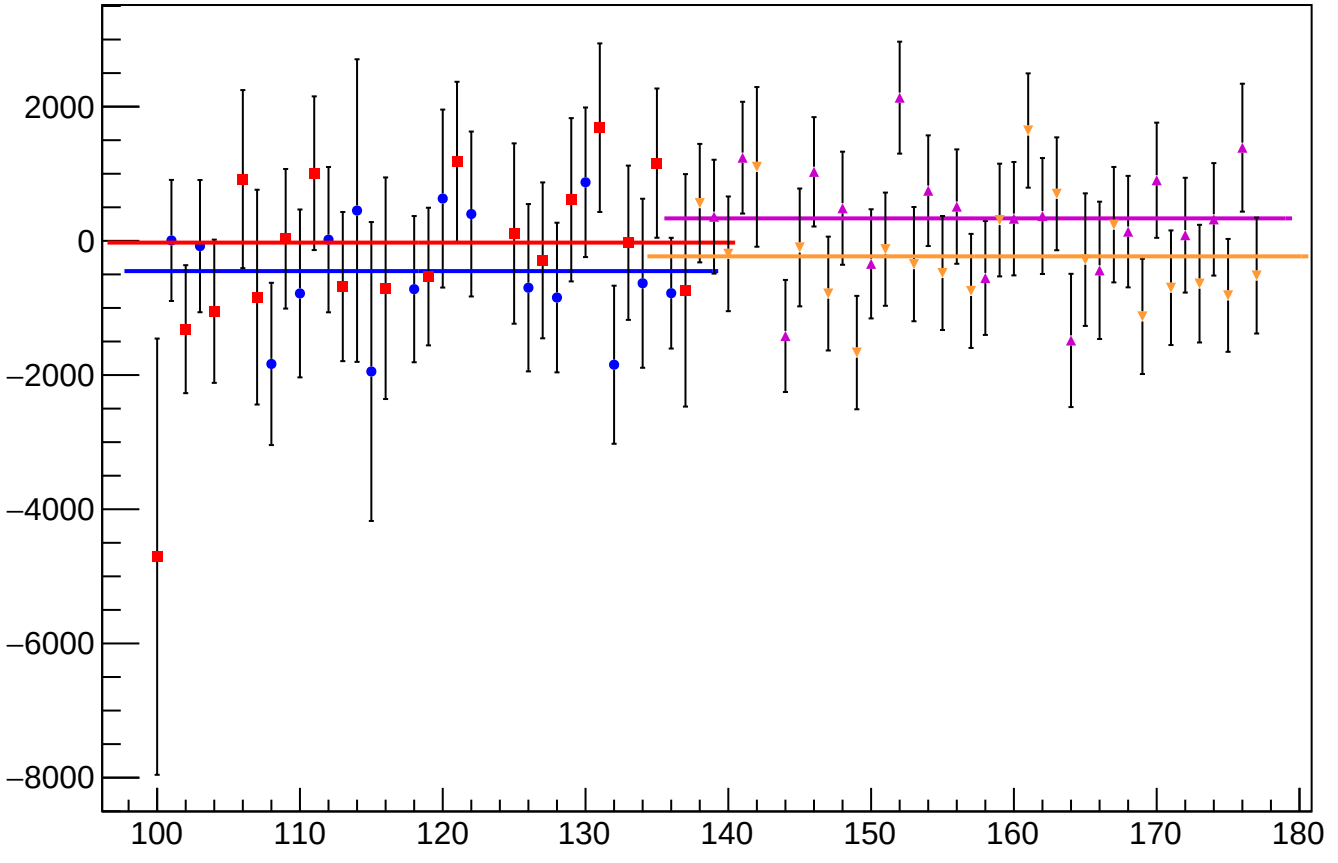
Left In: 510.422+/-0.092 χ^2/NDF:419277.8/18

+ sign 544.379+/-0.082 χ^2/NDF: 2181559.1/35

All: 543.810+/-0.058 χ^2/NDF: 4548069.6/72

- sign 543.236+/-0.083 χ^2/NDF: 2366414.6/36

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -230.814+/-194.736 χ^2/NDF:14.9/19

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

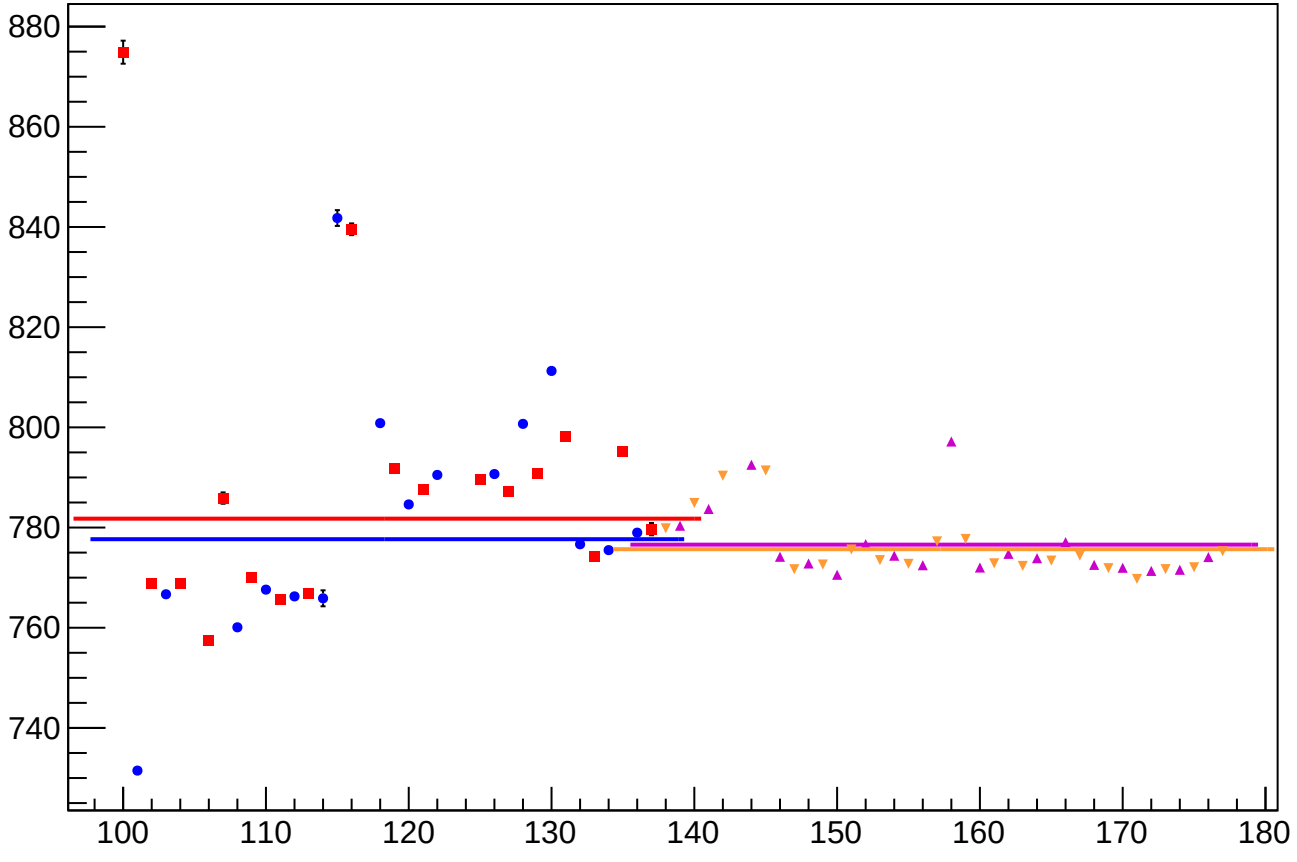
Left In: 334.785+/-196.993 χ^2/NDF:18.8/18

+ sign -299.571+/-161.486 χ^2/NDF: 22.2/35

All: -41.686+/-114.583 χ^2/NDF: 58.9/72

- sign 219.802+/-162.610 χ^2/NDF: 31.6/36

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 775.678+/-0.138 χ^2/NDF:1630.4/19

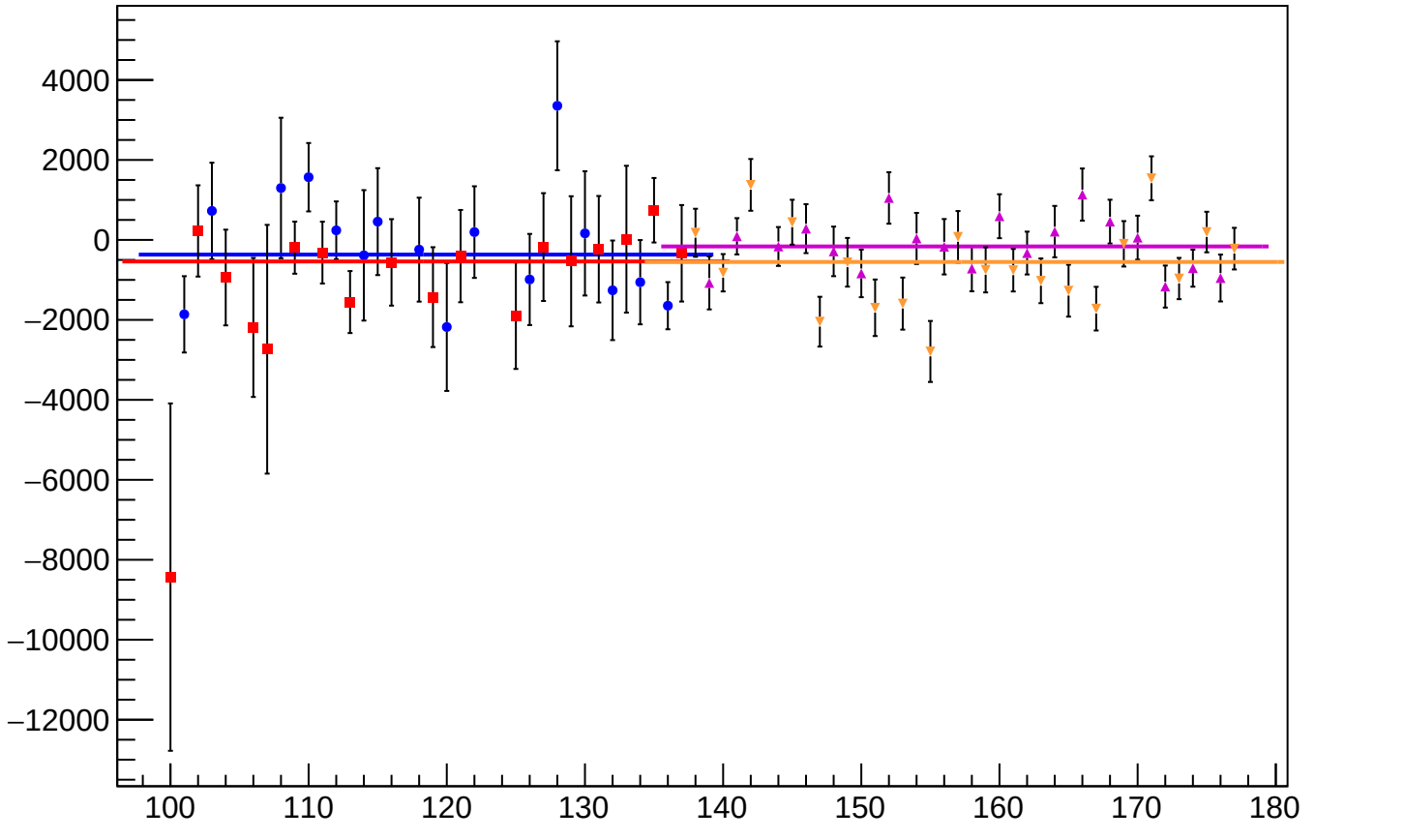
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.587+/-0.139 χ^2/NDF:2667.9/18

+ sign 776.302+/-0.114 χ^2/NDF: 13751.4/35

All: 777.264+/-0.081 χ^2/NDF: 24631.0/72

- sign 778.240+/-0.115 χ^2/NDF: 10736.4/36



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

Left Out: -550.839+/-129.091 χ^2/NDF:59.5/19

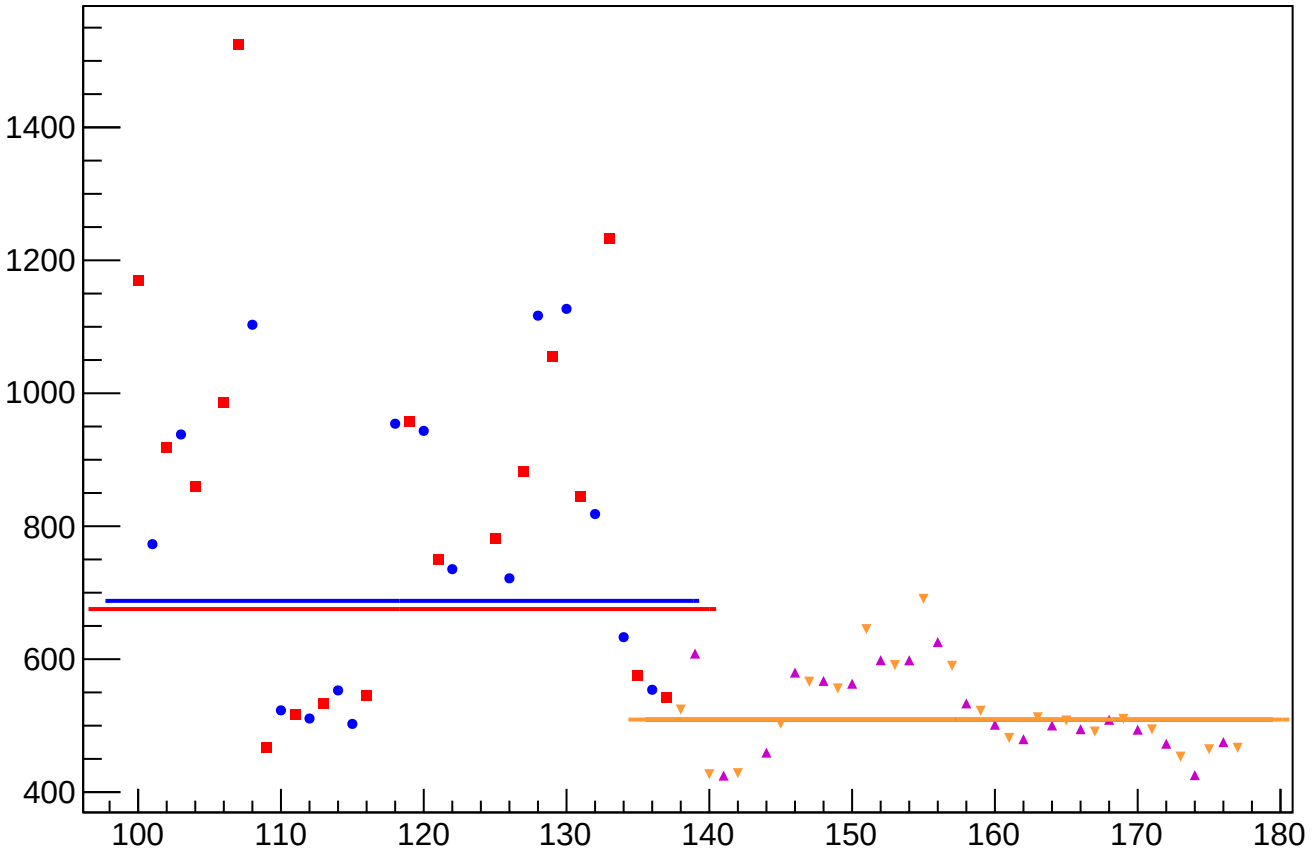
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -163.230+/-130.302 χ^2/NDF:23.2/18

+ sign -515.945+/-116.195 χ^2/NDF: 83.2/35

All: -377.290+/-82.358 χ^2/NDF: 122.5/72

- sign -237.309+/-116.749 χ^2/NDF: 36.5/36



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

Left Out: 509.168+/-0.091 χ^2/NDF:435814.6/19

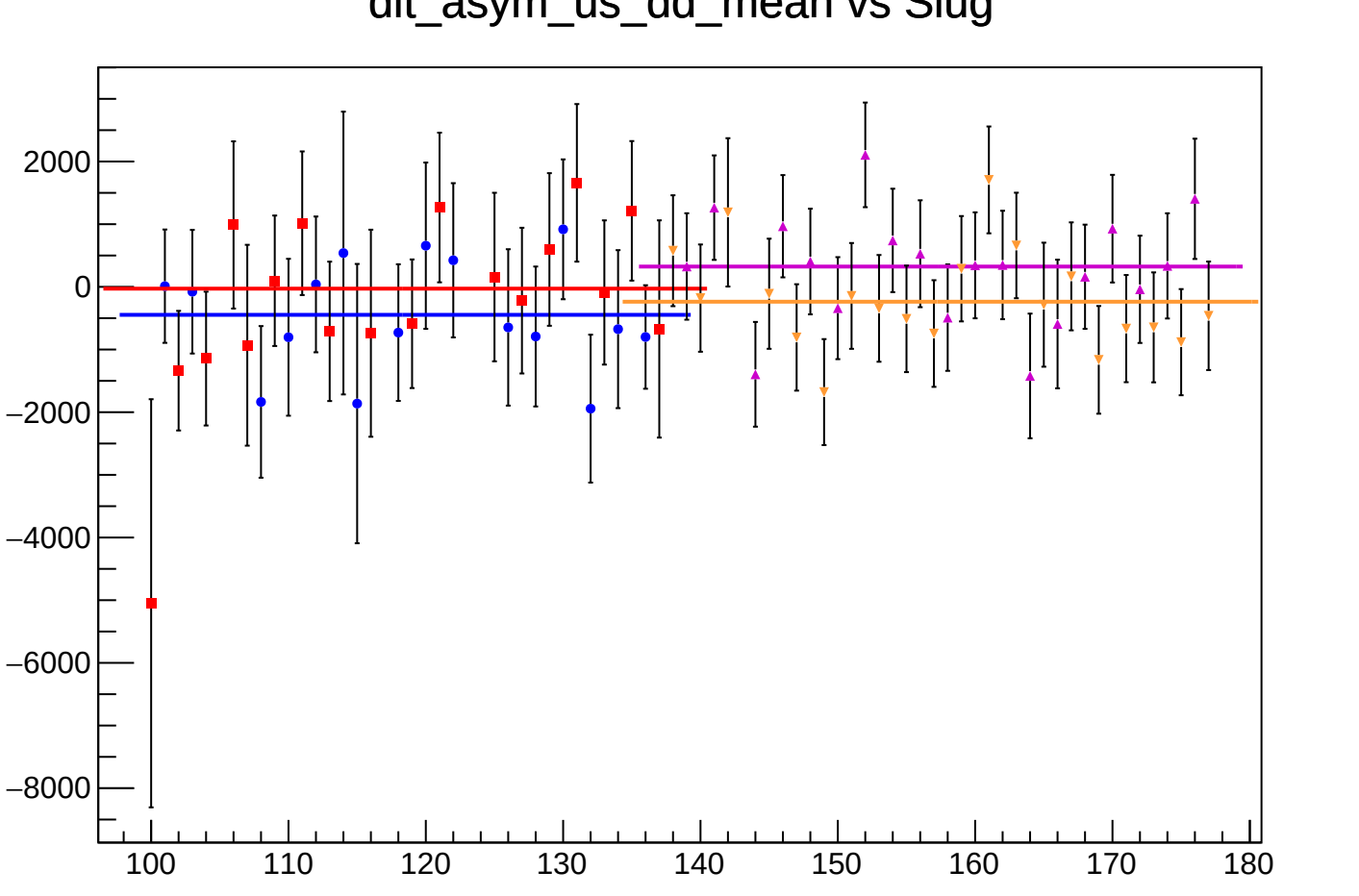
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 509.136+/-0.092 χ^2/NDF:424181.0/18

+ sign 543.060+/-0.082 χ^2/NDF: 2193972.7/35

All: 542.495+/-0.058 χ^2/NDF: 4573465.5/72

- sign 541.925+/-0.083 χ^2/NDF: 2379397.9/36



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

Left Out: -237.058+/-194.982 χ^2/NDF:15.4/19

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

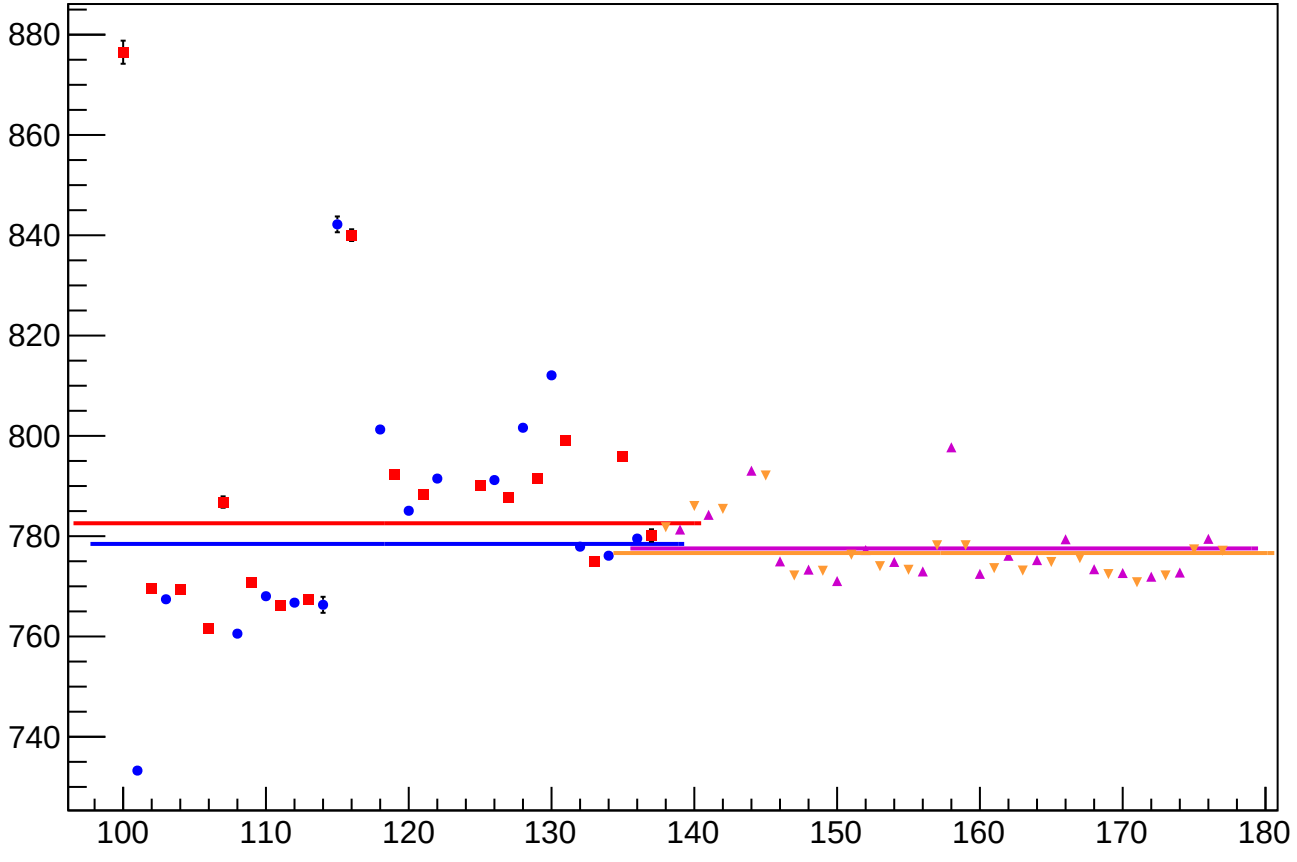
Left In: 323.642+/-197.239 χ^2/NDF:18.5/18

+ sign -302.548+/-161.676 χ^2/NDF: 23.1/35

All: -47.396+/-114.718 χ^2/NDF: 60.2/72

- sign 211.317+/-162.801 χ^2/NDF: 32.1/36

dit_asym_us_dd_rms vs Slug



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

Left Out: 776.637+/-0.138 χ^2/NDF:1454.8/19

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

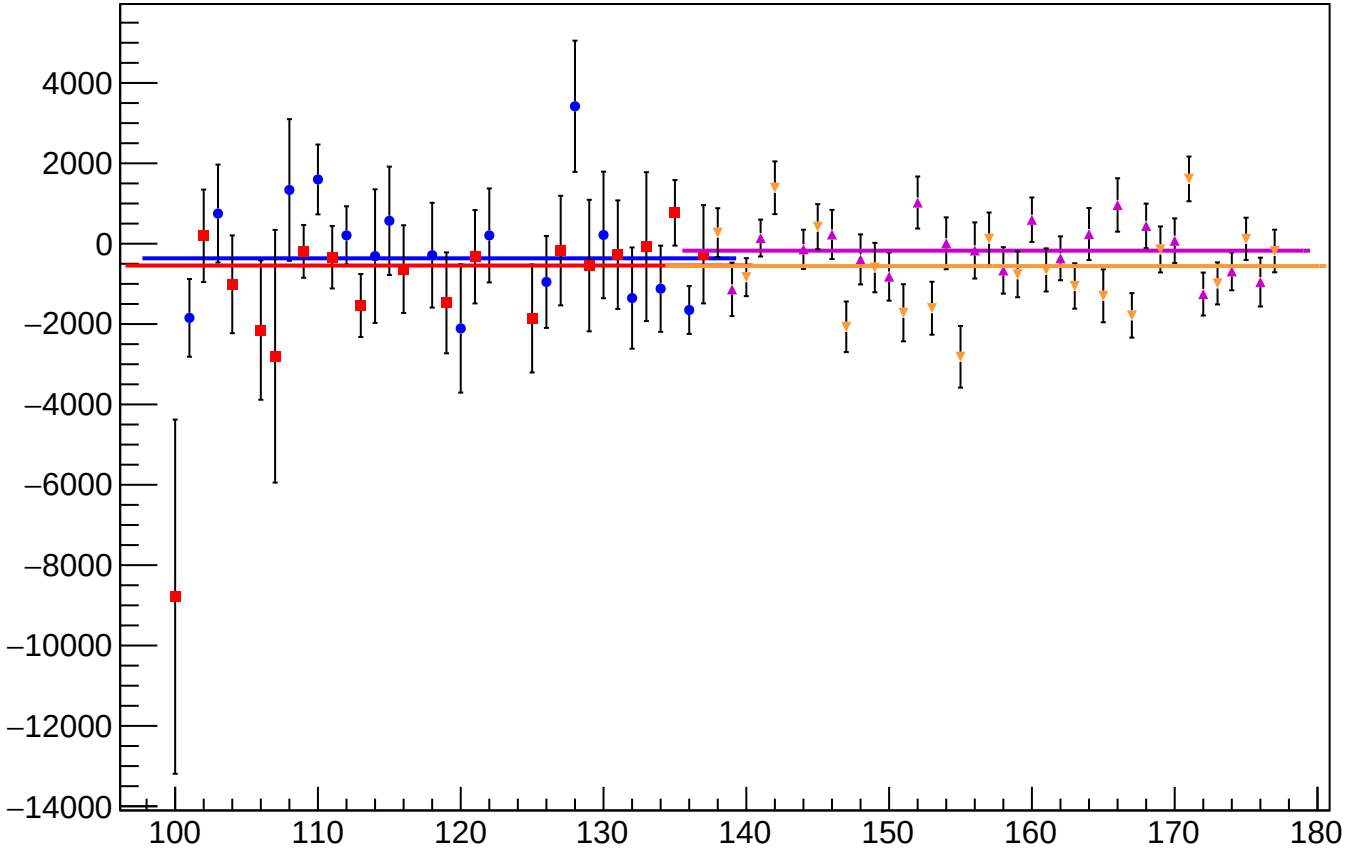
Left In: 777.558+/-0.139 χ^2/NDF:2631.3/18

\+ sign 777.205+/-0.114 χ^2/NDF: 13304.3/35

All: 778.174+/-0.081 χ^2/NDF: 23974.2/72

\- sign 779.157+/-0.115 χ^2/NDF: 10525.2/36

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -556.870+/-130.753 χ^2/NDF:60.4/19

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

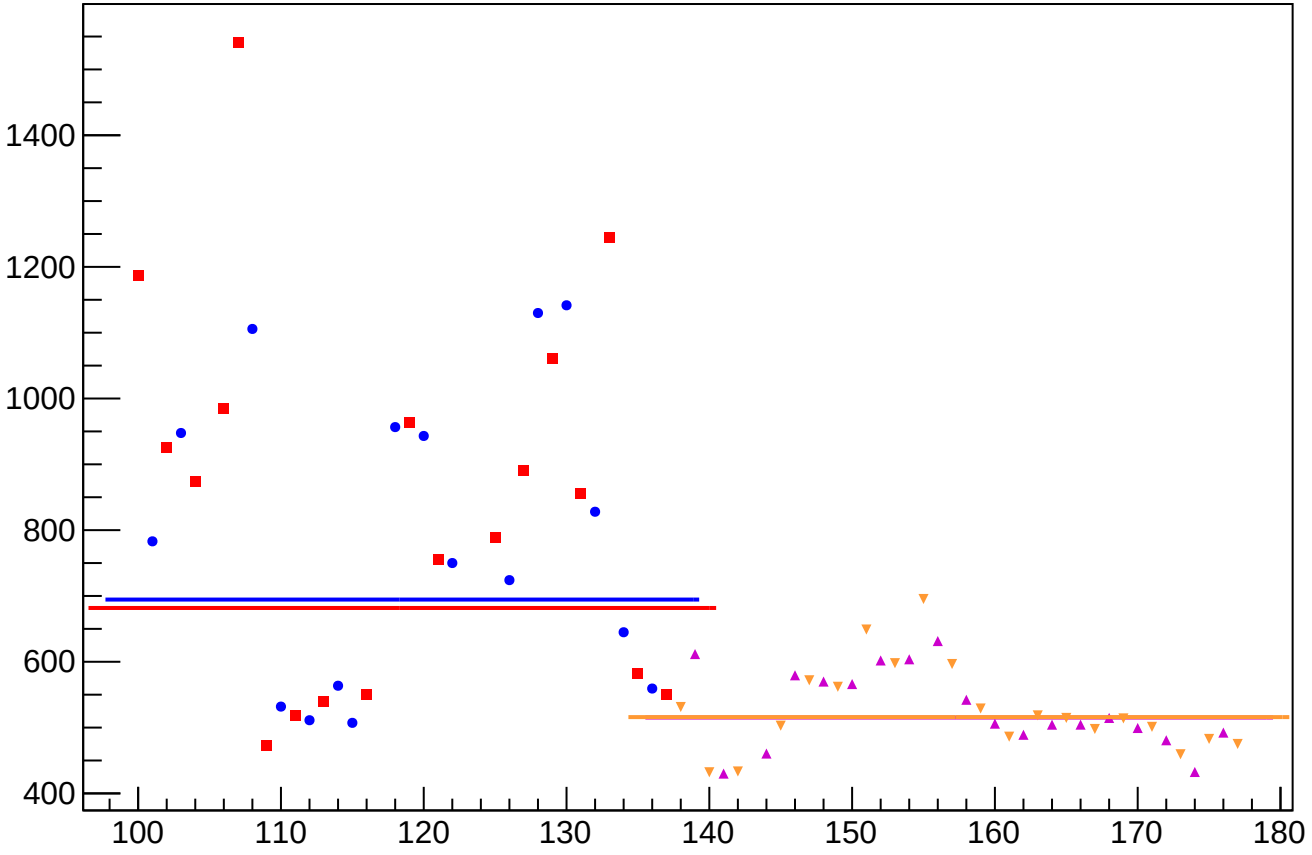
Left In: -173.297+/-131.801 χ^2/NDF:22.3/18

\+ sign -520.076+/-117.623 χ^2/NDF: 84.2/35

All: -383.751+/-83.317 χ^2/NDF: 122.5/72

\- sign -246.469+/-118.035 χ^2/NDF: 35.6/36

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 515.920+/-0.092 χ^2/NDF:418562.8/19

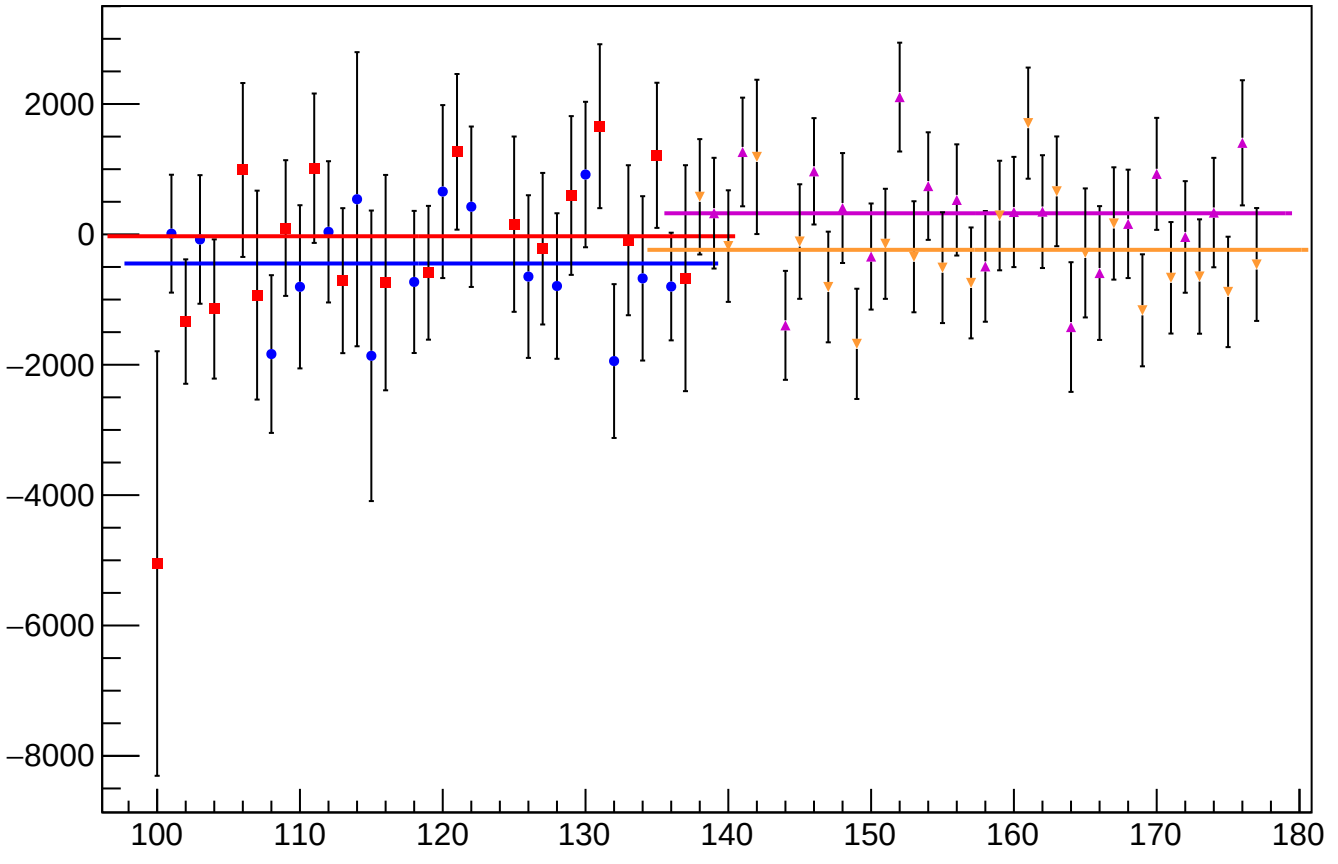
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 515.252+/-0.093 χ^2/NDF:402038.5/18

+ sign 549.988+/-0.083 χ^2/NDF: 2160261.1/35

All: 549.105+/-0.059 χ^2/NDF: 4505690.9/72

- sign 548.215+/-0.083 χ^2/NDF: 2345203.5/36



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

Left Out: -237.060+/-194.982 χ^2/NDF:15.4/19

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

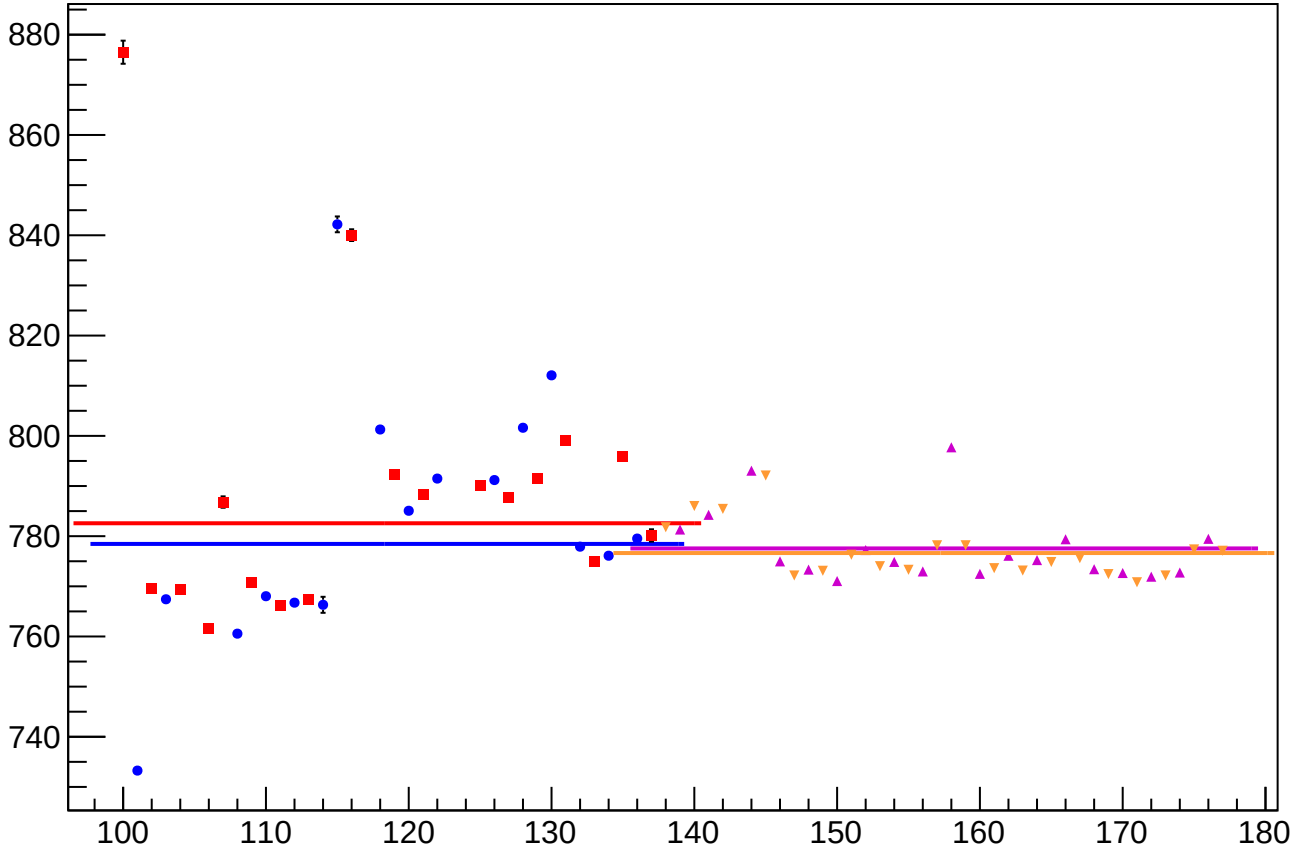
Left In: 323.641+/-197.239 χ^2/NDF:18.5/18

+ sign -302.549+/-161.676 χ^2/NDF: 23.1/35

All: -47.397+/-114.718 χ^2/NDF: 60.2/72

- sign 211.317+/-162.801 χ^2/NDF: 32.1/36

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 776.637+/-0.138 χ^2/NDF:1454.8/19

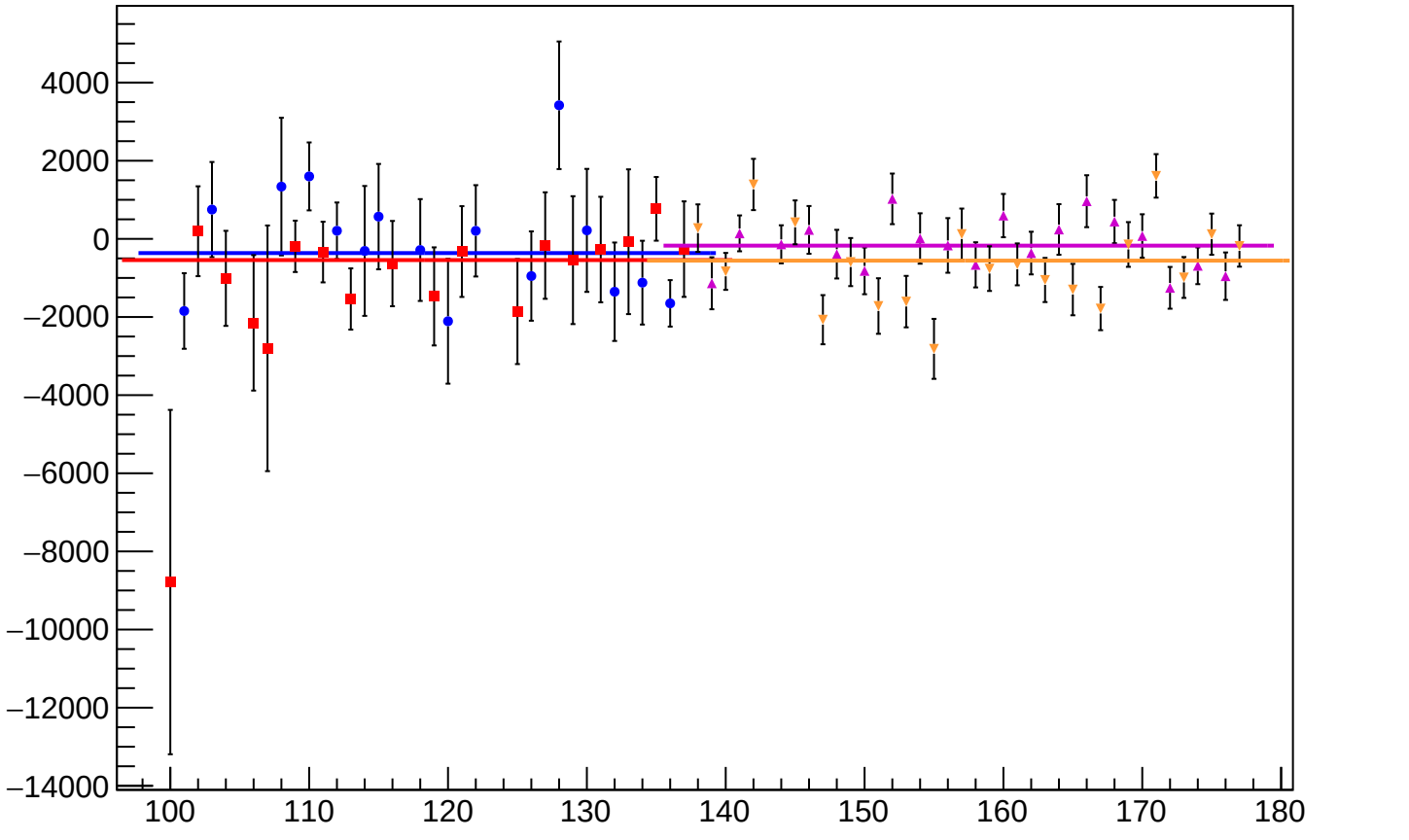
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 777.558+/-0.139 χ^2/NDF:2631.3/18

+ sign 777.205+/-0.114 χ^2/NDF: 13304.3/35

All: 778.174+/-0.081 χ^2/NDF: 23974.1/72

- sign 779.157+/-0.115 χ^2/NDF: 10525.2/36



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

Left Out: -556.871+/-130.753 χ^2/NDF:60.4/19

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

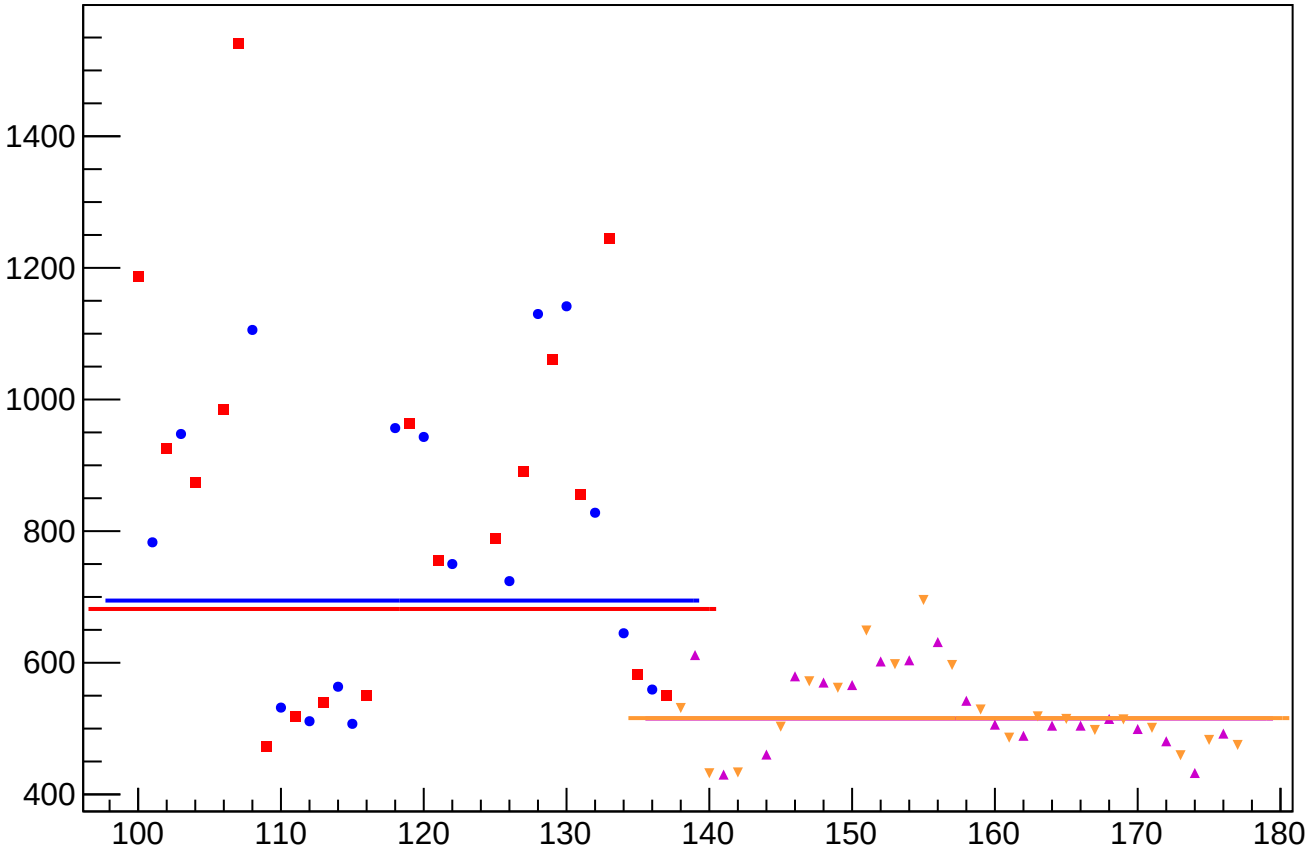
Left In: -173.297+/-131.801 χ^2/NDF:22.3/18

+ sign -520.075+/-117.623 χ^2/NDF: 84.2/35

All: -383.750+/-83.317 χ^2/NDF: 122.5/72

- sign -246.469+/-118.035 χ^2/NDF: 35.6/36

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 515.920+/-0.092 χ^2/NDF:418574.3/19

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

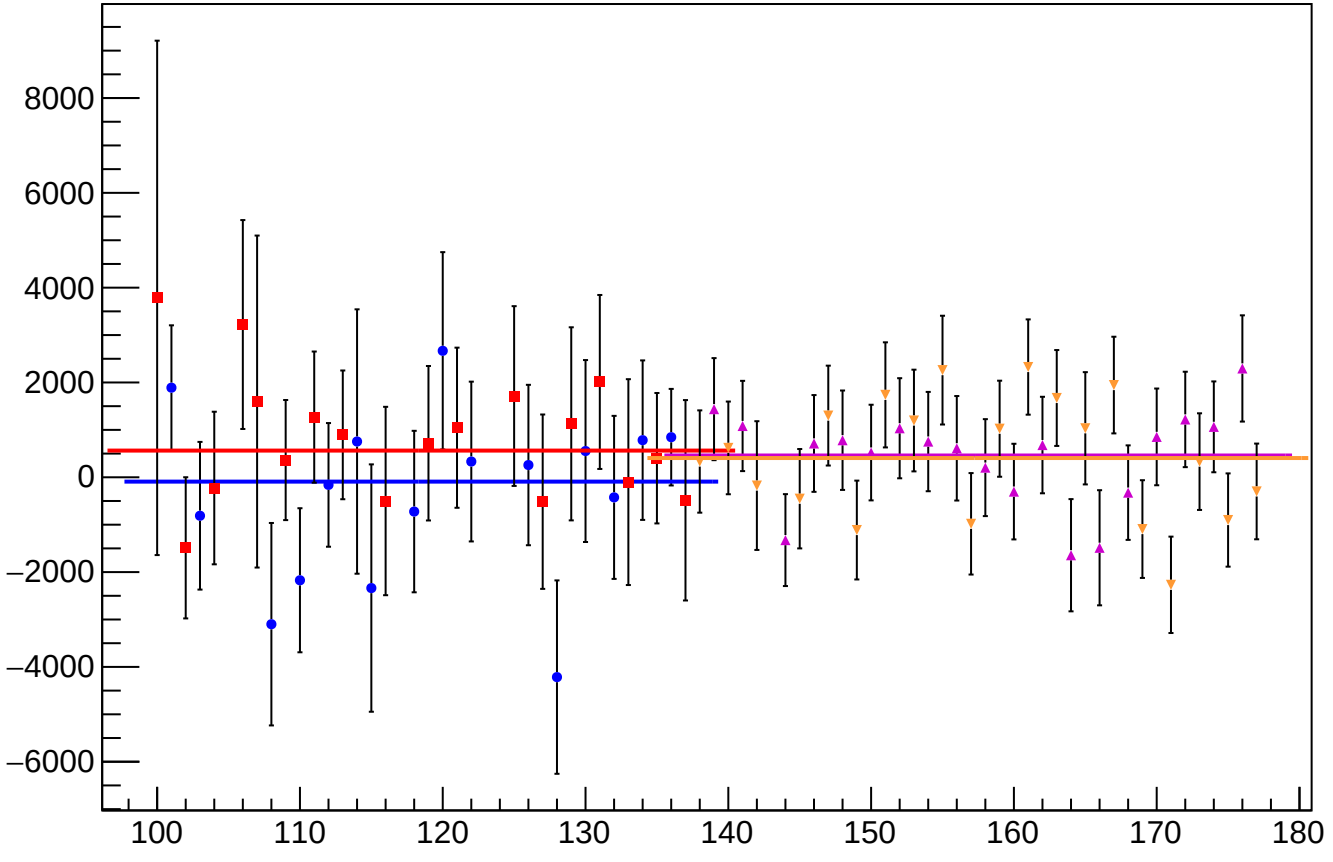
Left In: 515.252+/-0.093 χ^2/NDF:402051.3/18

\+ sign 549.988+/-0.083 χ^2/NDF: 2160260.7/35

All: 549.104+/-0.059 χ^2/NDF: 4505701.4/72

\- sign 548.215+/-0.083 χ^2/NDF: 2345214.4/36

asym_us_dd_mean vs Slug



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

Left Out: 405.989+/-235.715 χ^2/NDF:29.5/19

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

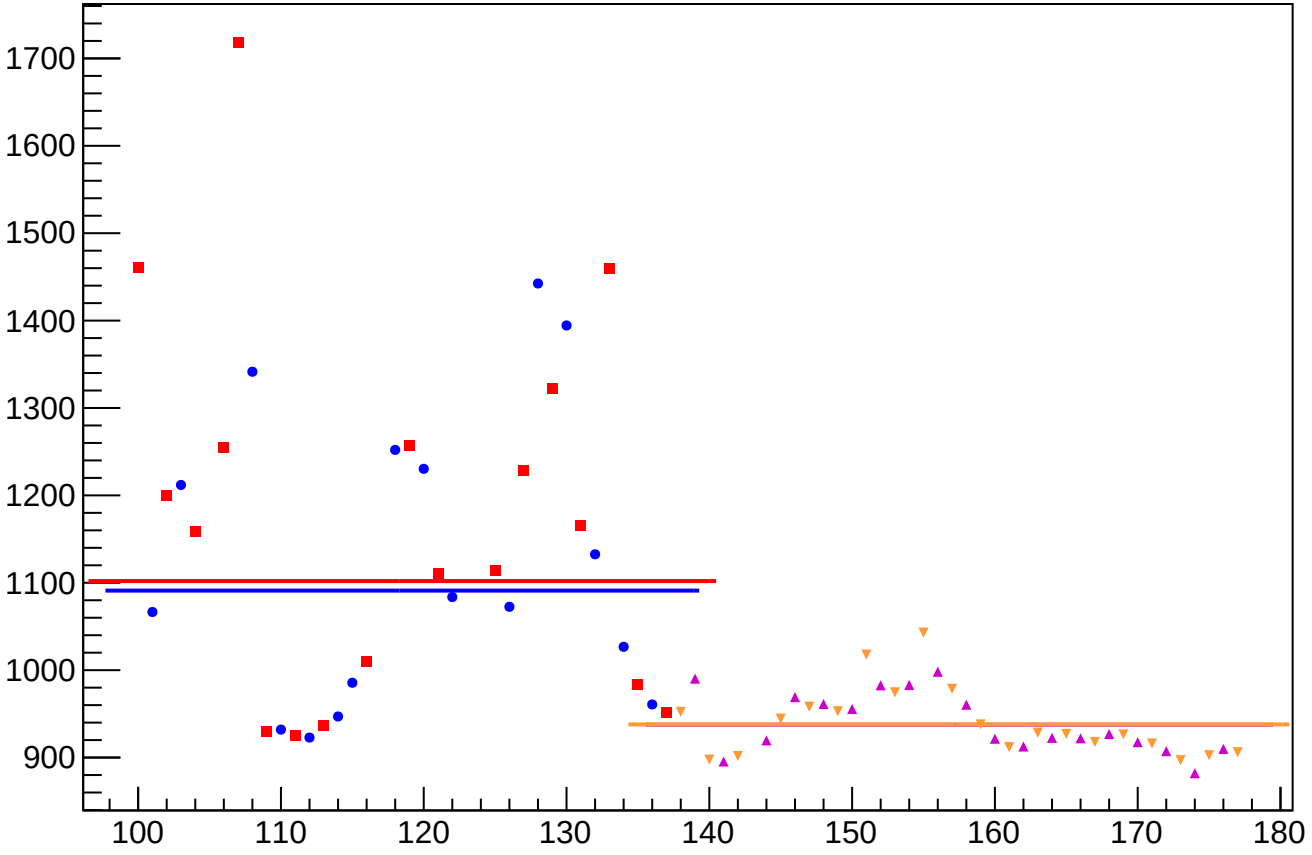
Left In: 459.454+/-238.030 χ^2/NDF:16.0/18

+ sign 282.432+/-204.345 χ^2/NDF: 45.1/35

All: 383.113+/-145.093 χ^2/NDF: 68.2/72

- sign 485.481+/-206.050 χ^2/NDF: 22.6/36

asym_us_dd_rms vs Slug



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

Left Out: 937.908+/-0.167 χ^2/NDF:50194.0/19

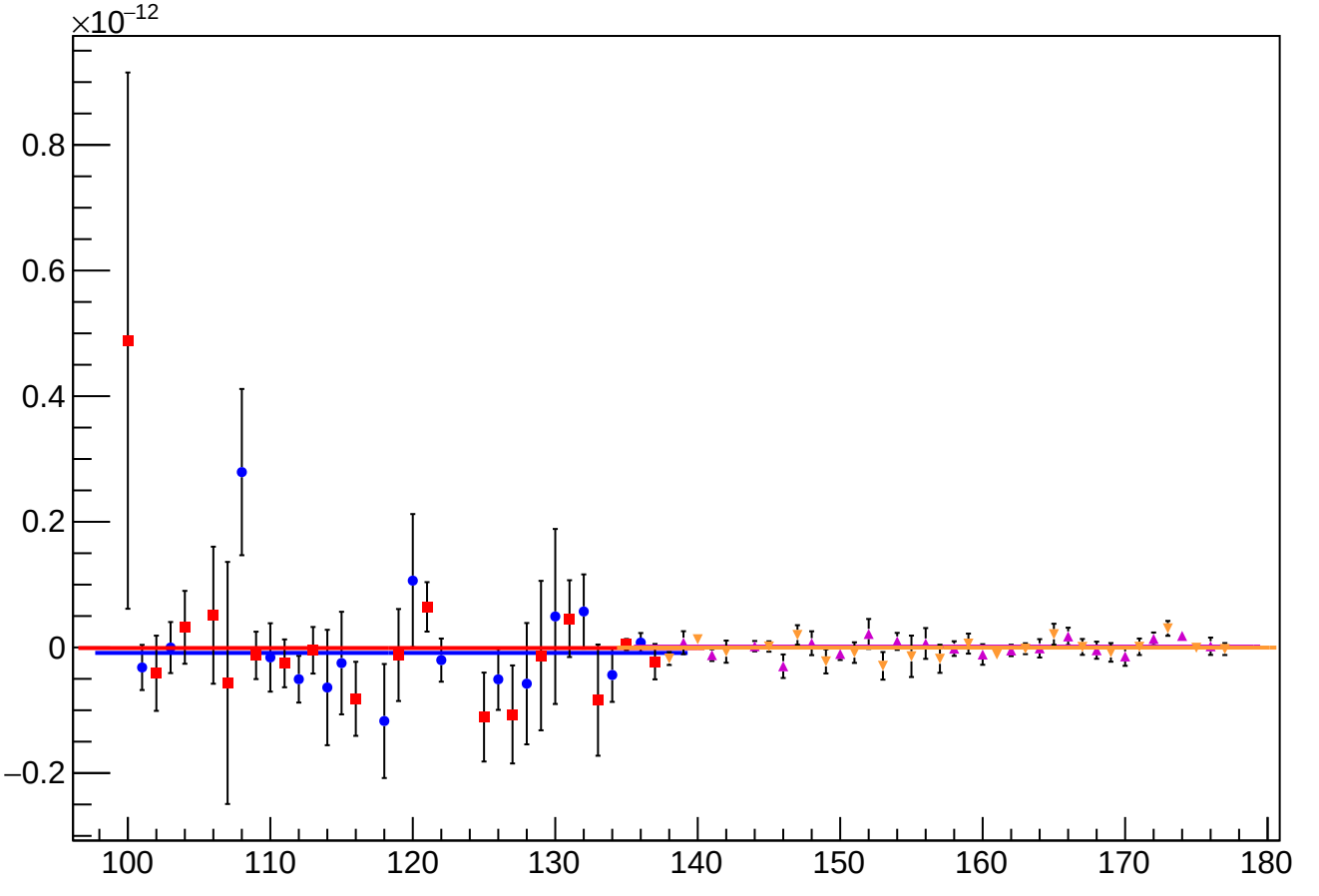
Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 937.600+/-0.168 χ^2/NDF:40532.5/18

\+ sign 975.955+/-0.144 χ^2/NDF: 537222.6/35

All: 977.363+/-0.103 χ^2/NDF: 1145050.9/72

\- sign 978.795+/-0.146 χ^2/NDF: 607636.6/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/19

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

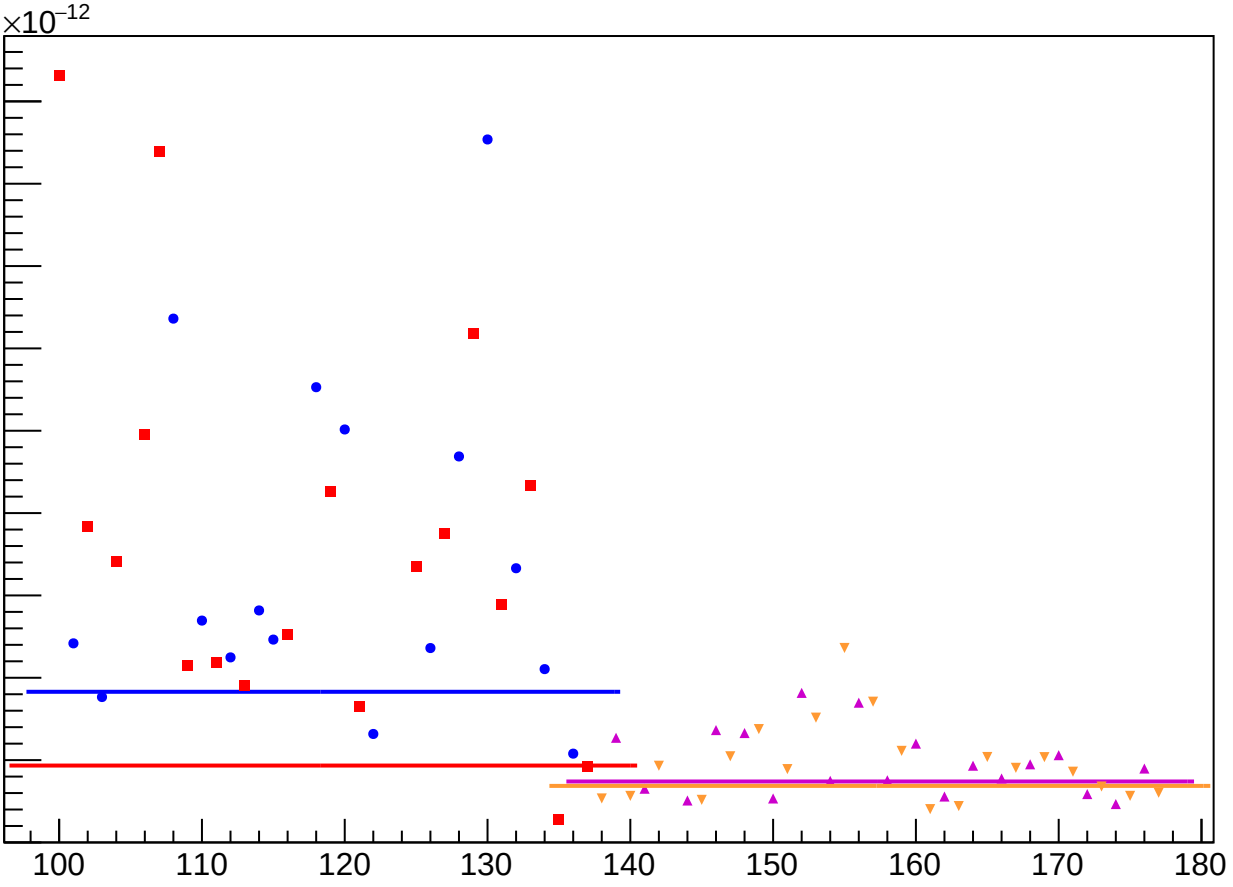
Left In: 0.000+/-0.000 χ^2/NDF:17.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/35

All: 0.000+/-0.000 χ^2/NDF: 69.5/72

- sign 0.000+/-0.000 χ^2/NDF: 32.0/36

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:2766558.7/19

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

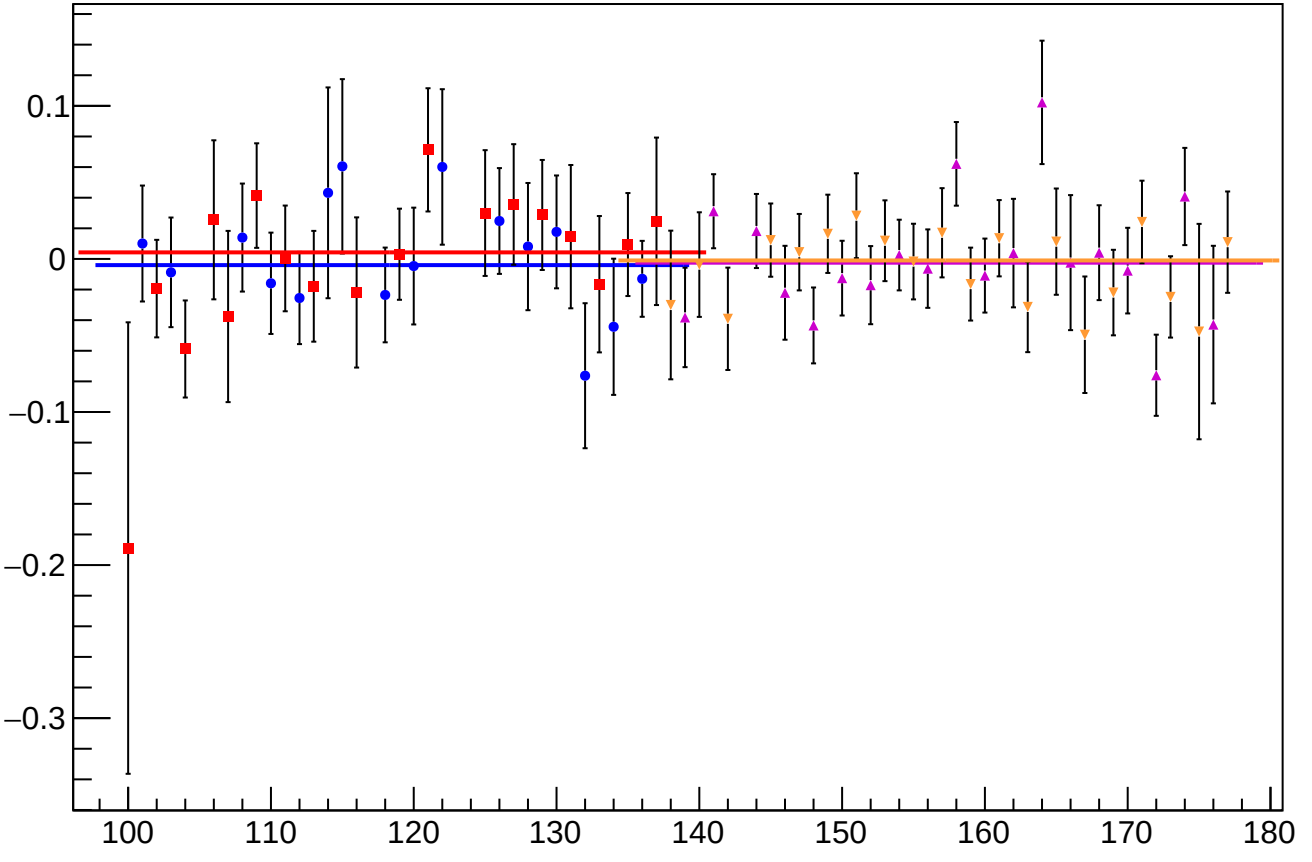
Left In: 0.000+/-0.000 χ^2/NDF:2291776.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 7352577.2/35

All: 0.000+/-0.000 χ^2/NDF: 14909256.1/72

- sign 0.000+/-0.000 χ^2/NDF: 7555234.8/36

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:10.6/19

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

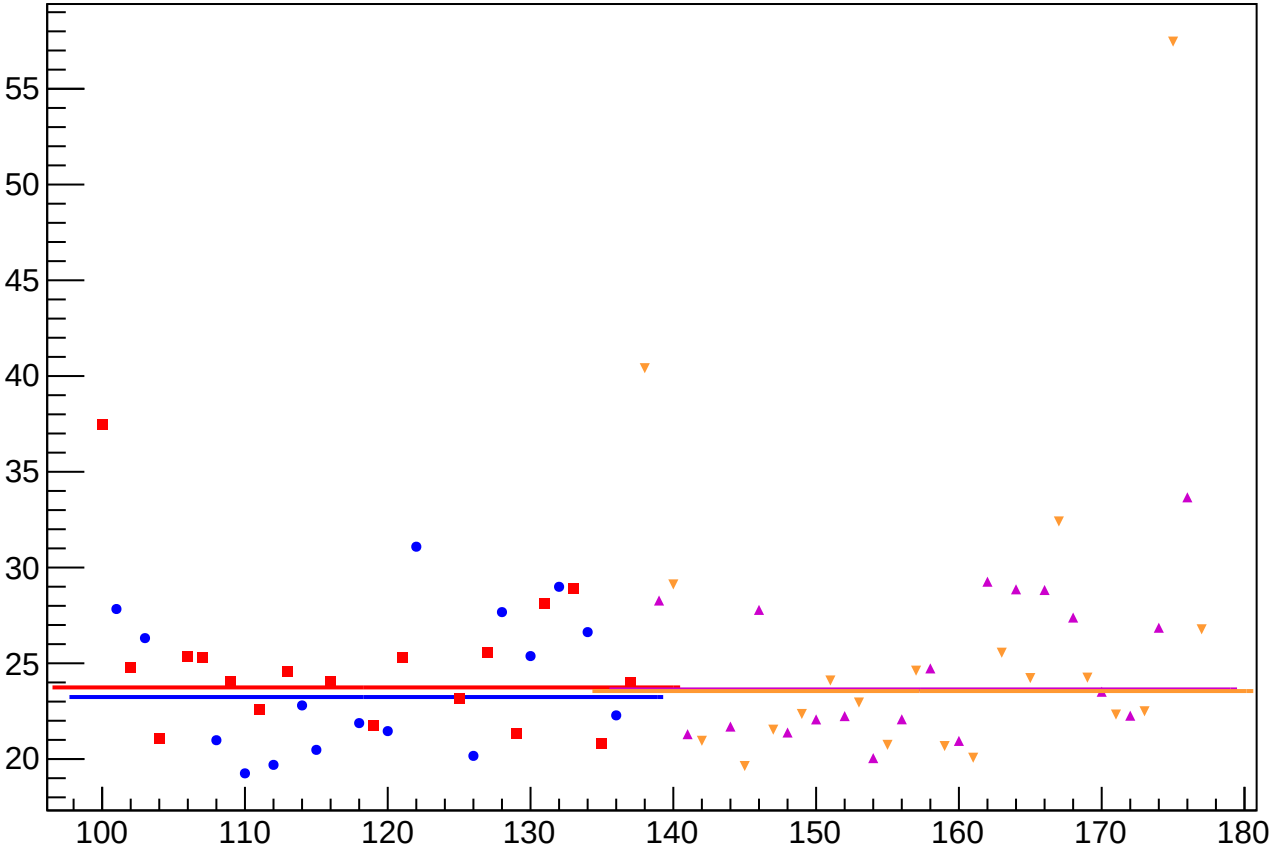
Left In: -0.002+/-0.006 χ^2/NDF:30.3/18

+ sign -0.002+/-0.005 χ^2/NDF: 19.9/35

All: -0.001+/-0.004 χ^2/NDF: 64.1/72

- sign -0.000+/-0.005 χ^2/NDF: 44.2/36

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 23.550+/-0.005 χ^2/NDF:1086107.8/19

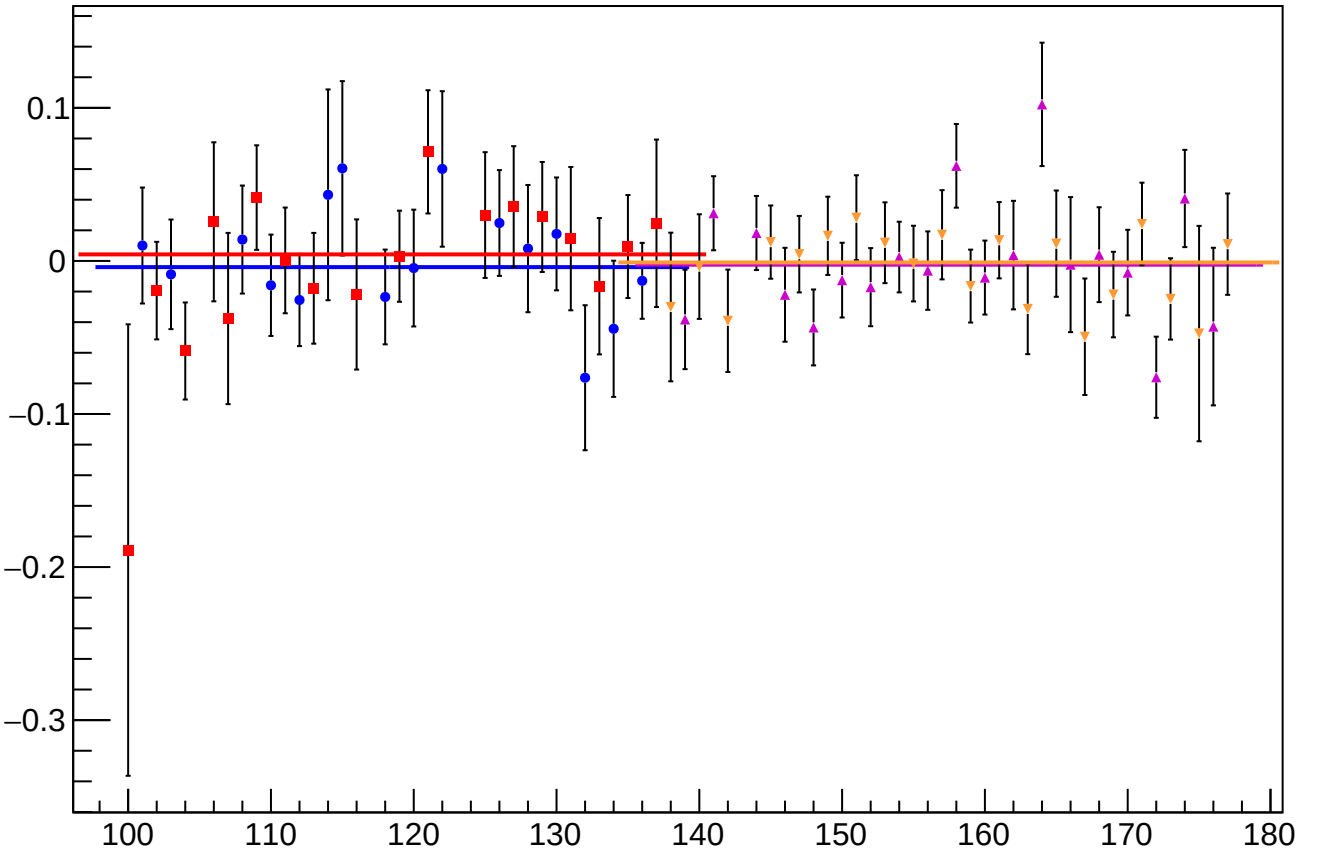
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.636+/-0.005 χ^2/NDF:466350.0/18

+ sign 23.448+/-0.004 χ^2/NDF: 1346869.4/35

All: 23.558+/-0.003 χ^2/NDF: 1941319.5/72

- sign 23.670+/-0.004 χ^2/NDF: 592703.8/36



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

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

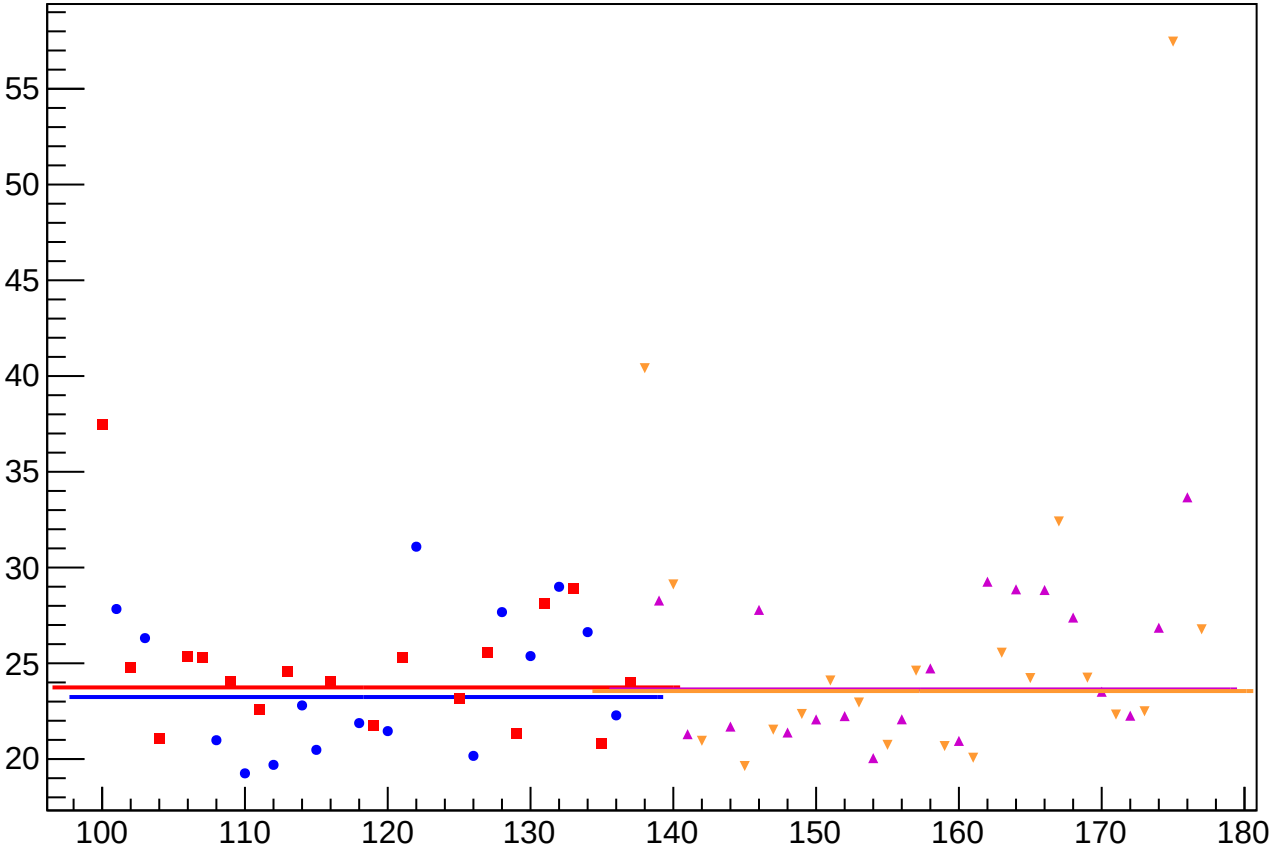
Left In: -0.002+/-0.006 χ^2/NDF:30.3/18

+ sign -0.002+/-0.005 χ^2/NDF: 19.9/35

All: -0.001+/-0.004 χ^2/NDF: 64.1/72

- sign -0.000+/-0.005 χ^2/NDF: 44.2/36

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 23.550+/-0.005 χ^2/NDF:1086107.8/19

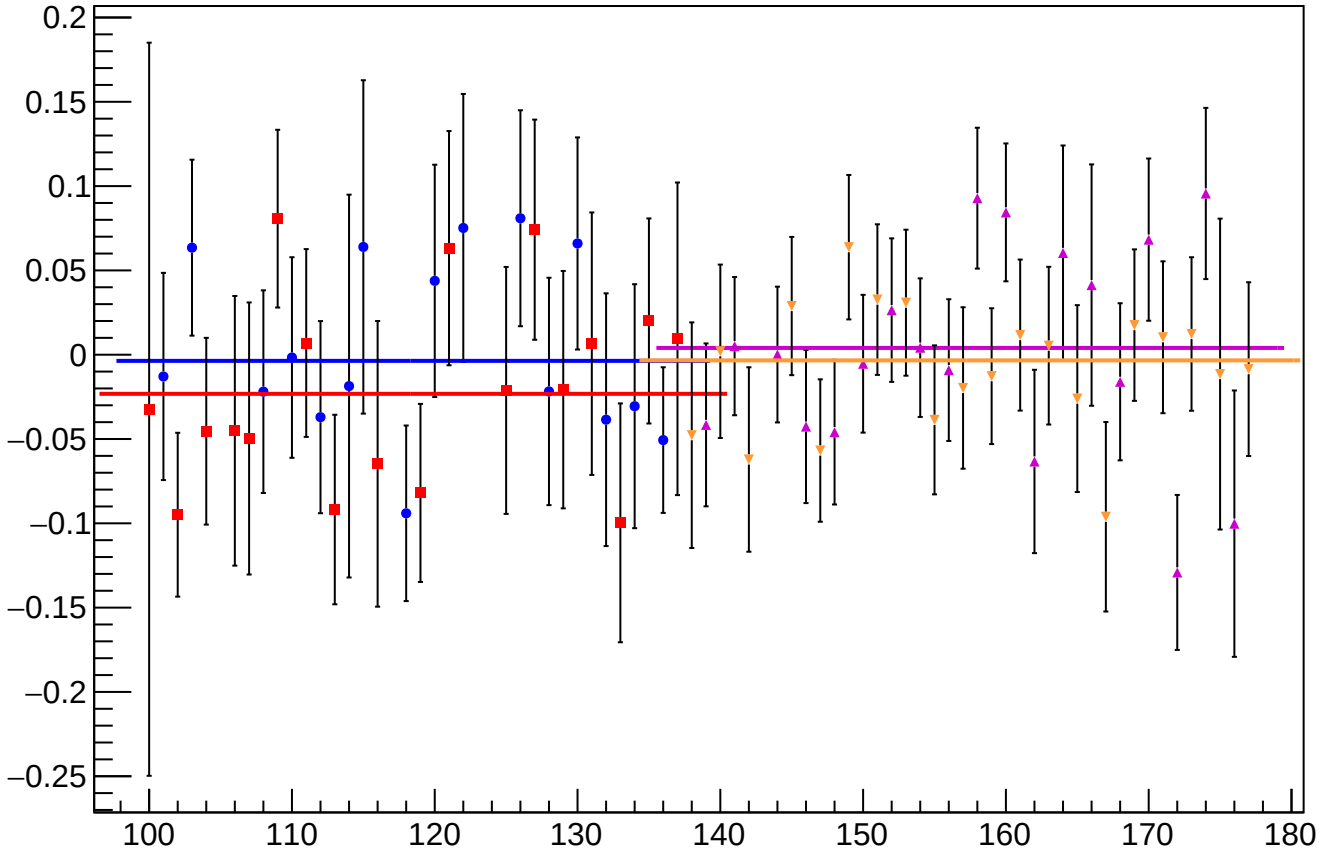
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.636+/-0.005 χ^2/NDF:466350.0/18

+ sign 23.448+/-0.004 χ^2/NDF: 1346869.4/35

All: 23.558+/-0.003 χ^2/NDF: 1941319.5/72

- sign 23.670+/-0.004 χ^2/NDF: 592703.8/36



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/19

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

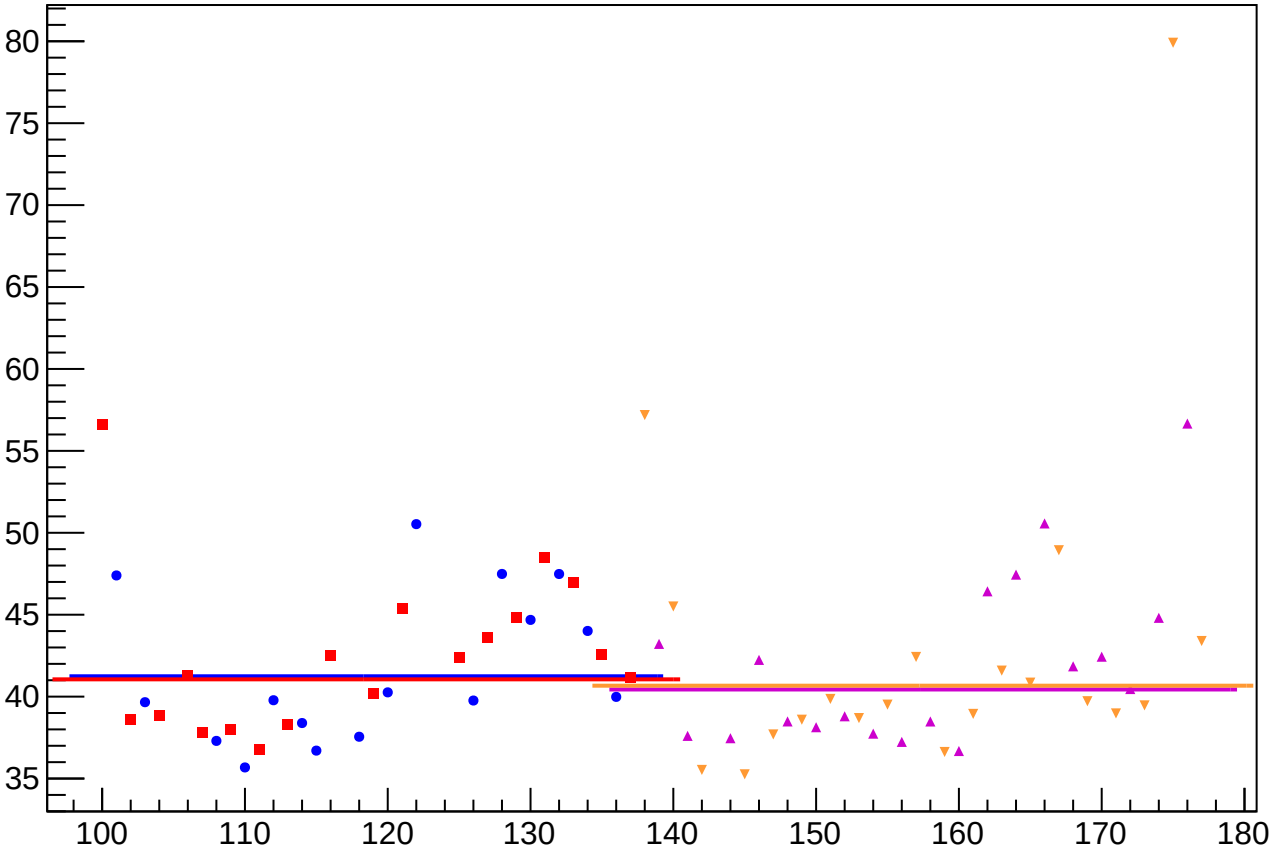
Left In: 0.004+/-0.011 χ^2/NDF:30.1/18

+ sign -0.003+/-0.009 χ^2/NDF: 23.5/35

All: -0.004+/-0.006 χ^2/NDF: 71.1/72

- sign -0.005+/-0.009 χ^2/NDF: 47.6/36

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: 40.668+/-0.008 χ^2/NDF:655867.5/19

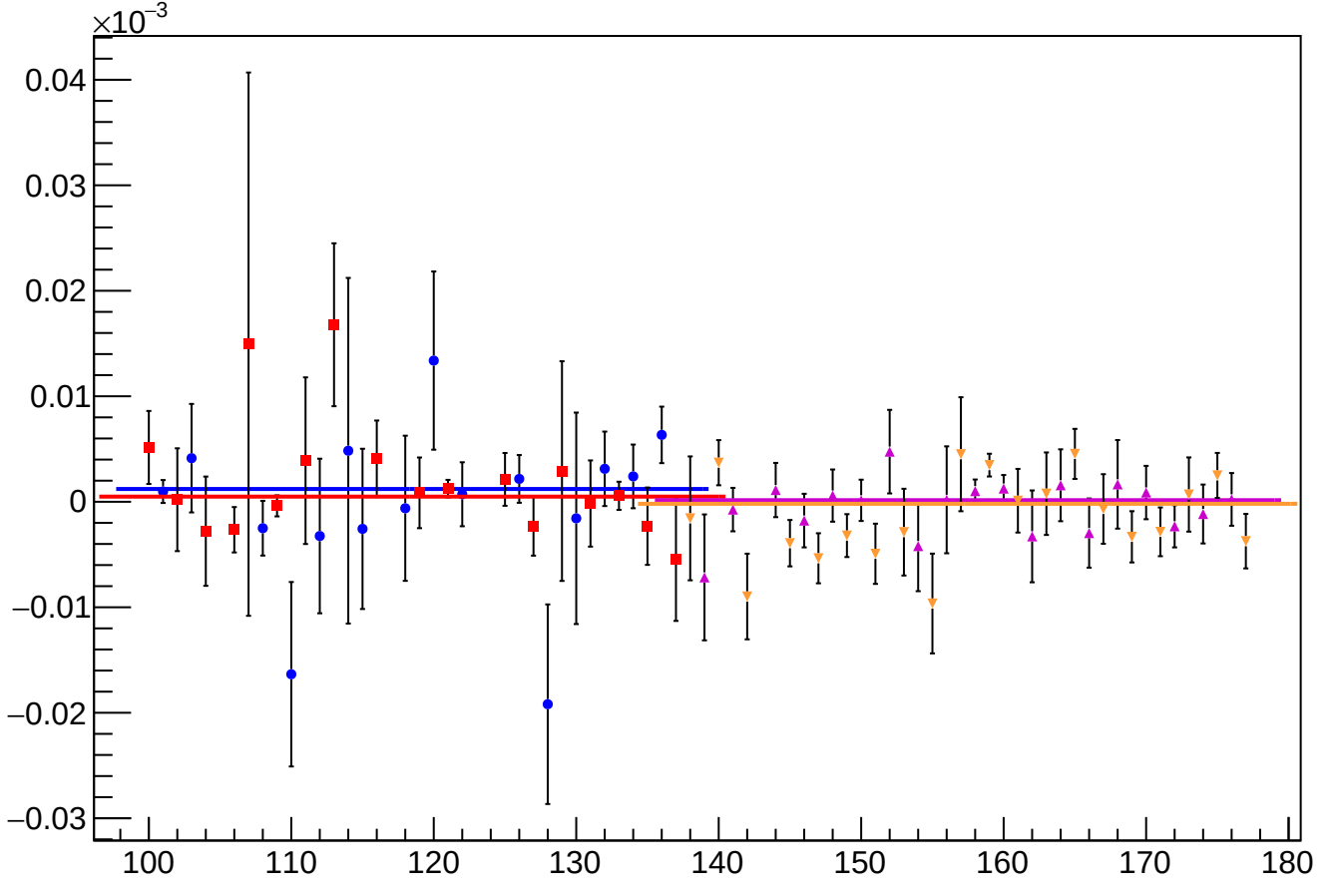
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 40.436+/-0.008 χ^2/NDF:278323.9/18

+ sign 40.848+/-0.006 χ^2/NDF: 792969.9/35

All: 40.740+/-0.004 χ^2/NDF: 1170616.6/72

- sign 40.634+/-0.006 χ^2/NDF: 377052.0/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:48.0/19

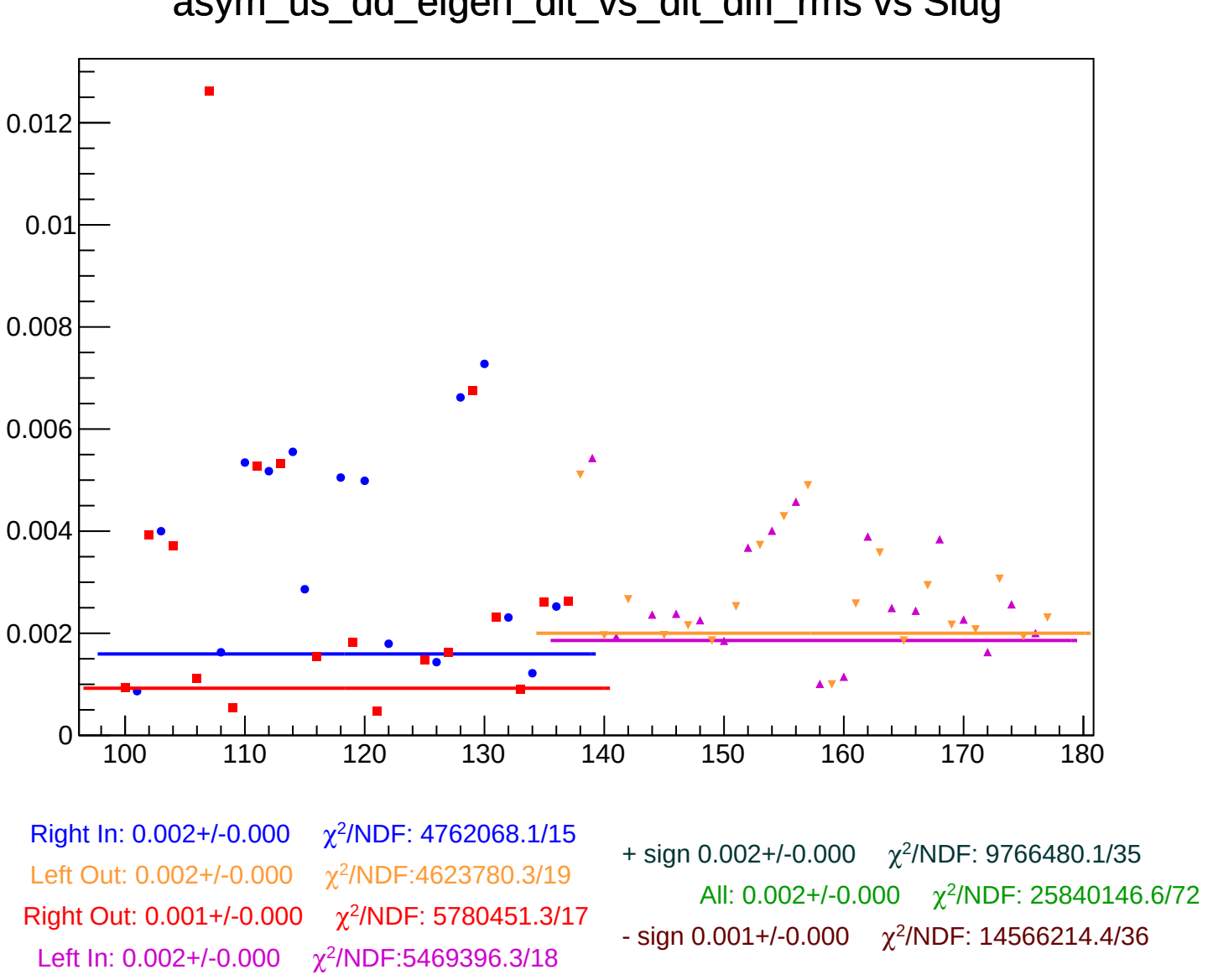
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

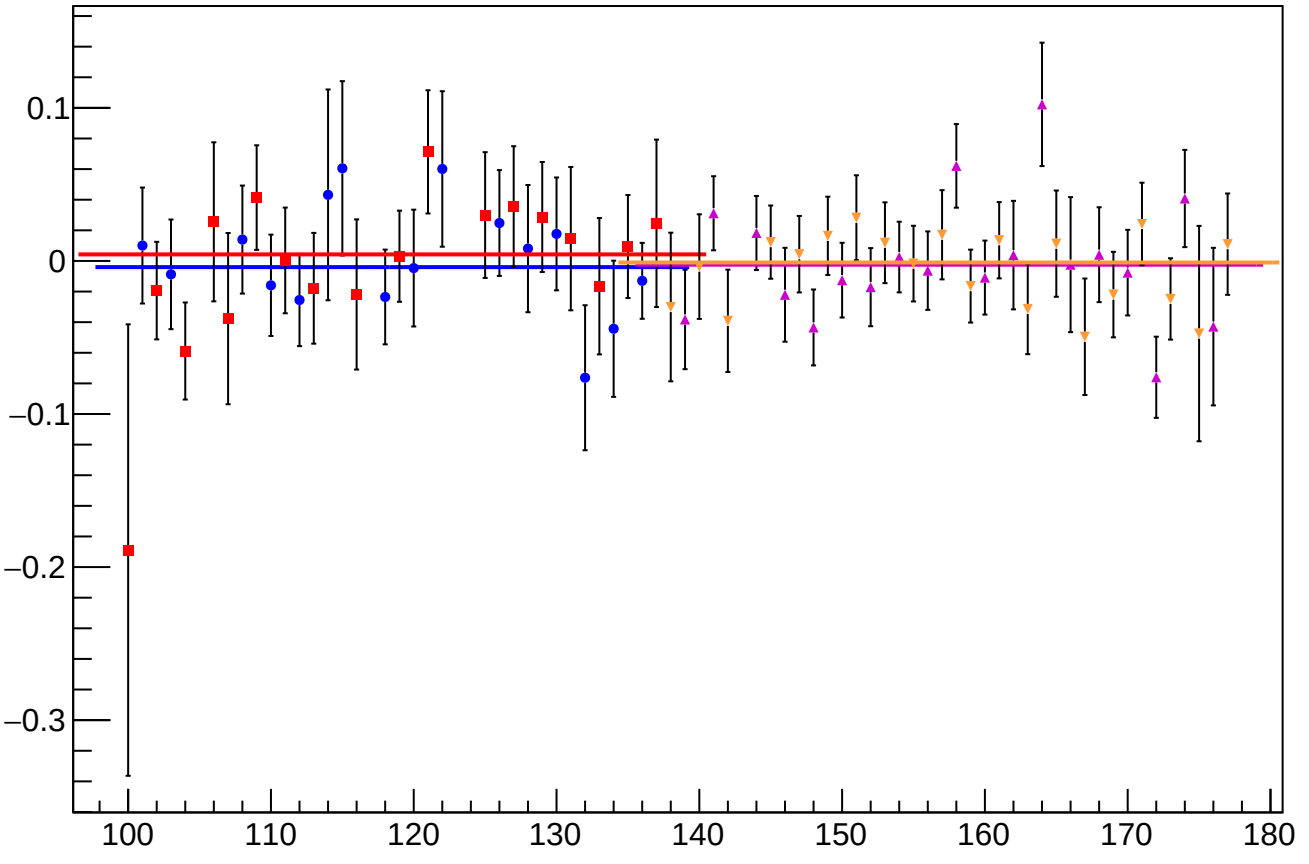
Left In: 0.000+/-0.000 χ^2/NDF:9.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 68.6/35

All: 0.000+/-0.000 χ^2/NDF: 93.6/72

- sign 0.000+/-0.000 χ^2/NDF: 25.0/36


asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 4762068.1/15
Left Out: 0.002+/-0.000 χ²/NDF:4623780.3/19
Right Out: 0.001+/-0.000 χ²/NDF: 5780451.3/17
Left In: 0.002+/-0.000 χ²/NDF:5469396.3/18
+ sign 0.002+/-0.000 χ²/NDF: 9766480.1/35
All: 0.002+/-0.000 χ²/NDF: 25840146.6/72
- sign 0.001+/-0.000 χ²/NDF: 14566214.4/36



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

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

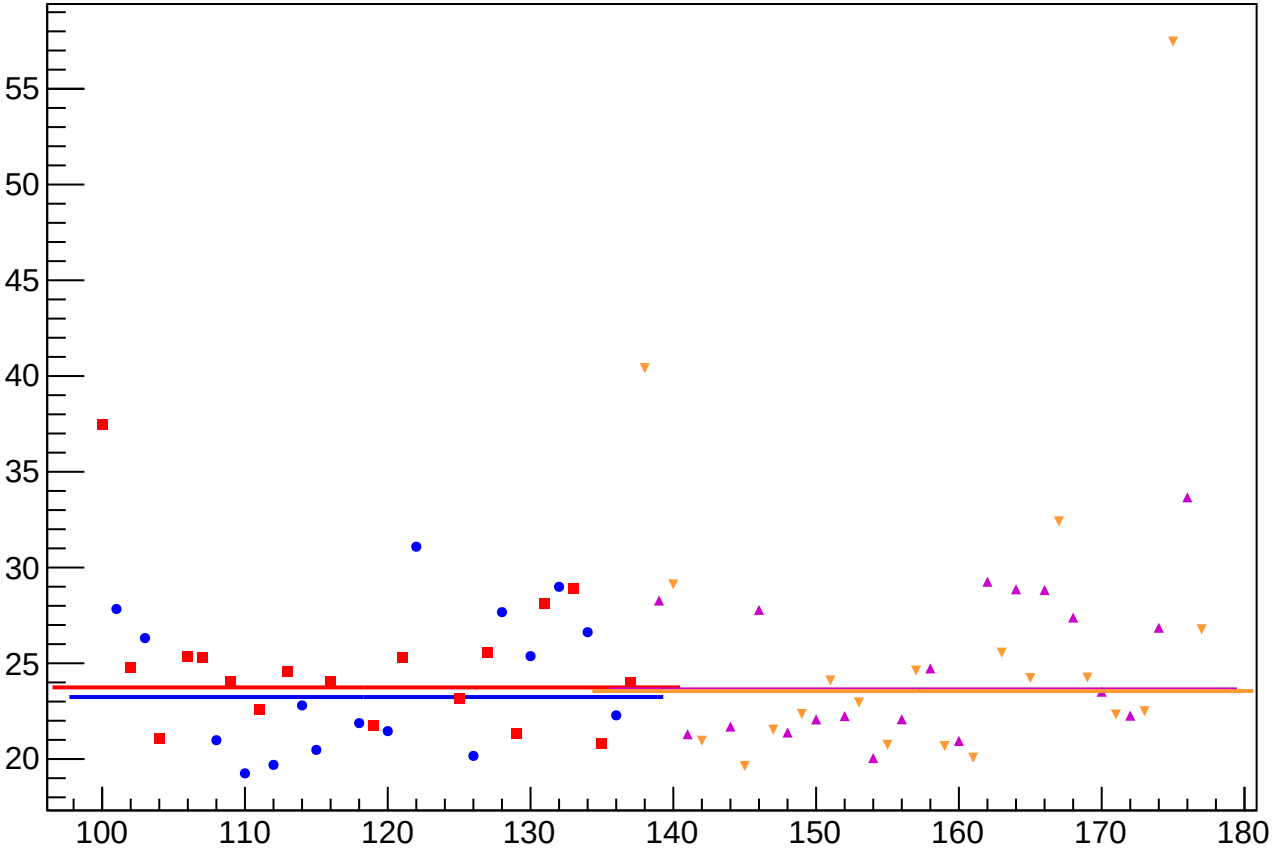
Left In: -0.002+/-0.006 χ^2/NDF:30.3/18

+ sign -0.002+/-0.005 χ^2/NDF: 19.9/35

All: -0.001+/-0.004 χ^2/NDF: 64.1/72

- sign -0.000+/-0.005 χ^2/NDF: 44.2/36

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 23.550+/-0.005 χ^2/NDF:1086118.4/19

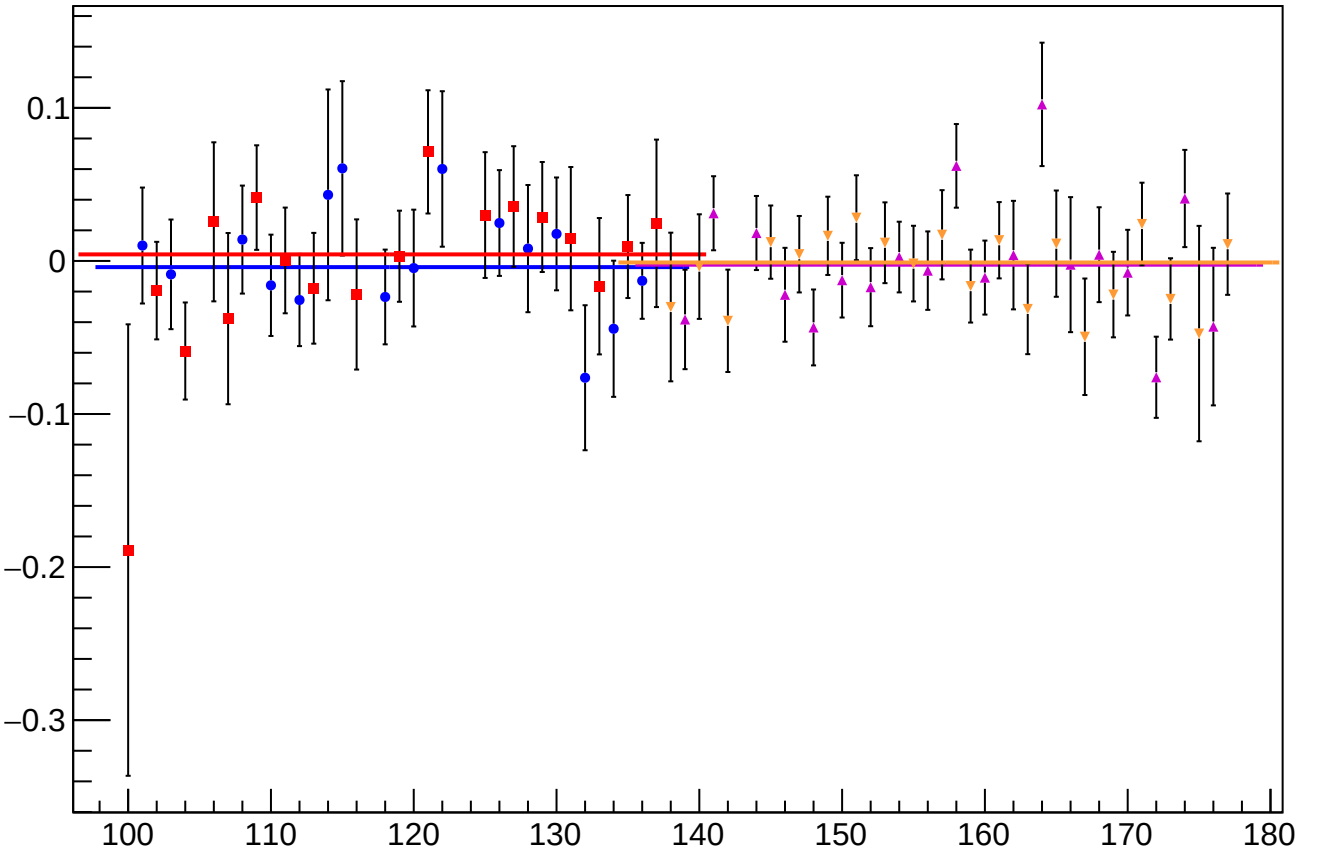
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.636+/-0.005 χ^2/NDF:466289.4/18

+ sign 23.447+/-0.004 χ^2/NDF: 1346875.6/35

All: 23.558+/-0.003 χ^2/NDF: 1941221.6/72

- sign 23.670+/-0.004 χ^2/NDF: 592592.3/36



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

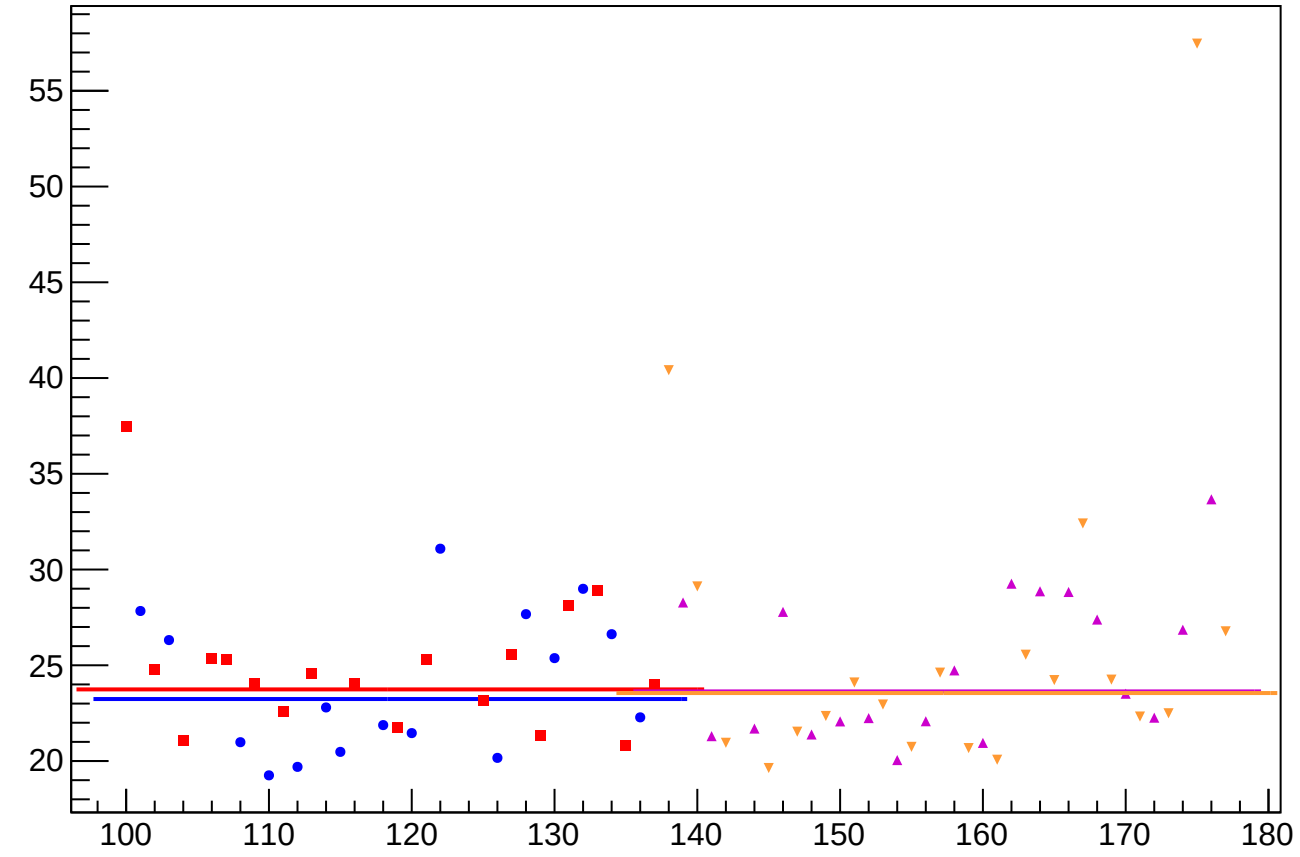
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.002+/-0.006 χ^2/NDF:30.3/18

+ sign -0.002+/-0.005 χ^2/NDF: 19.9/35

All: -0.001+/-0.004 χ^2/NDF: 64.1/72

- sign -0.000+/-0.005 χ^2/NDF: 44.2/36



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

Left Out: 23.550+/-0.005 χ^2/NDF:1086118.4/19

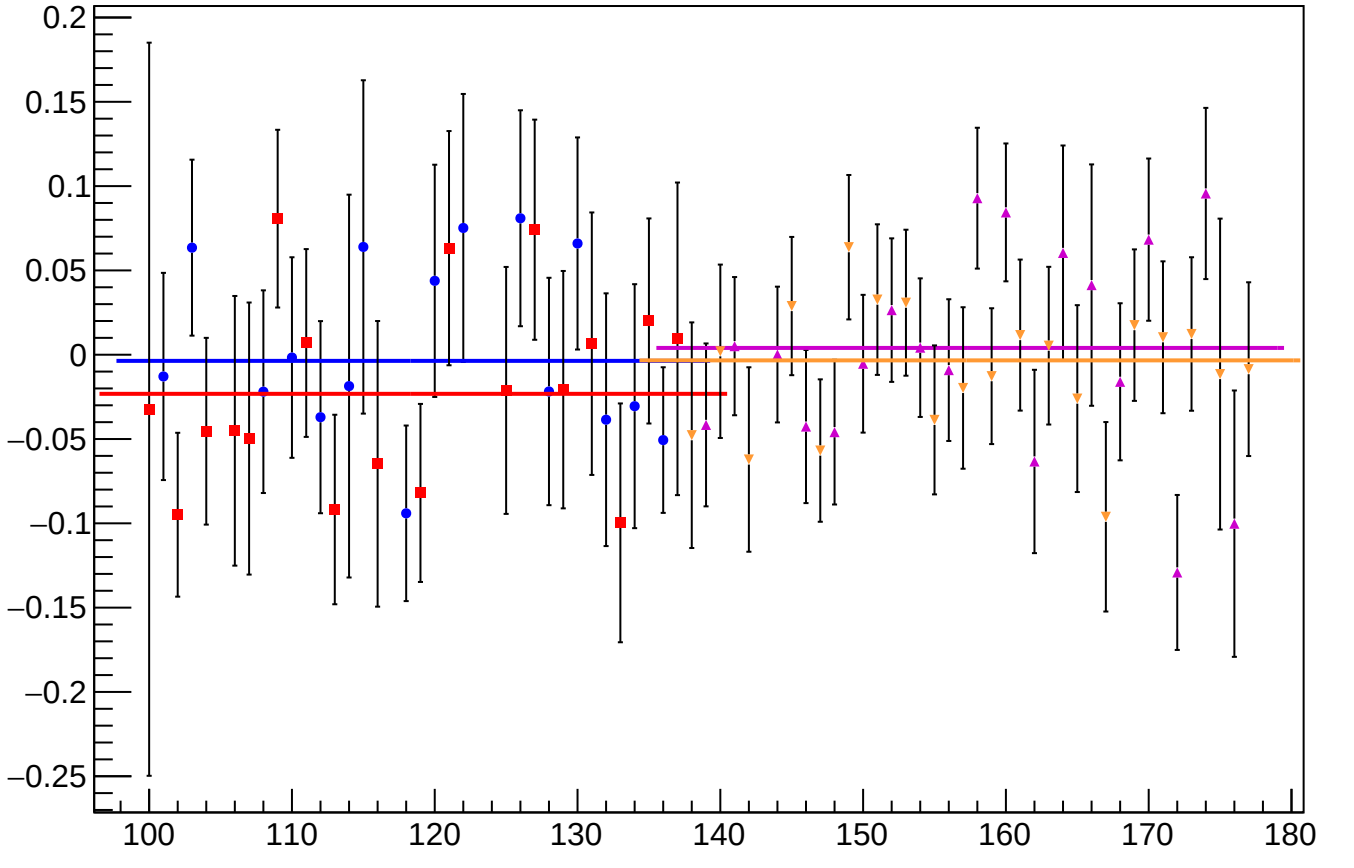
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.636+/-0.005 χ^2/NDF:466289.4/18

+ sign 23.447+/-0.004 χ^2/NDF: 1346875.6/35

All: 23.558+/-0.003 χ^2/NDF: 1941221.6/72

- sign 23.670+/-0.004 χ^2/NDF: 592592.3/36



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/19

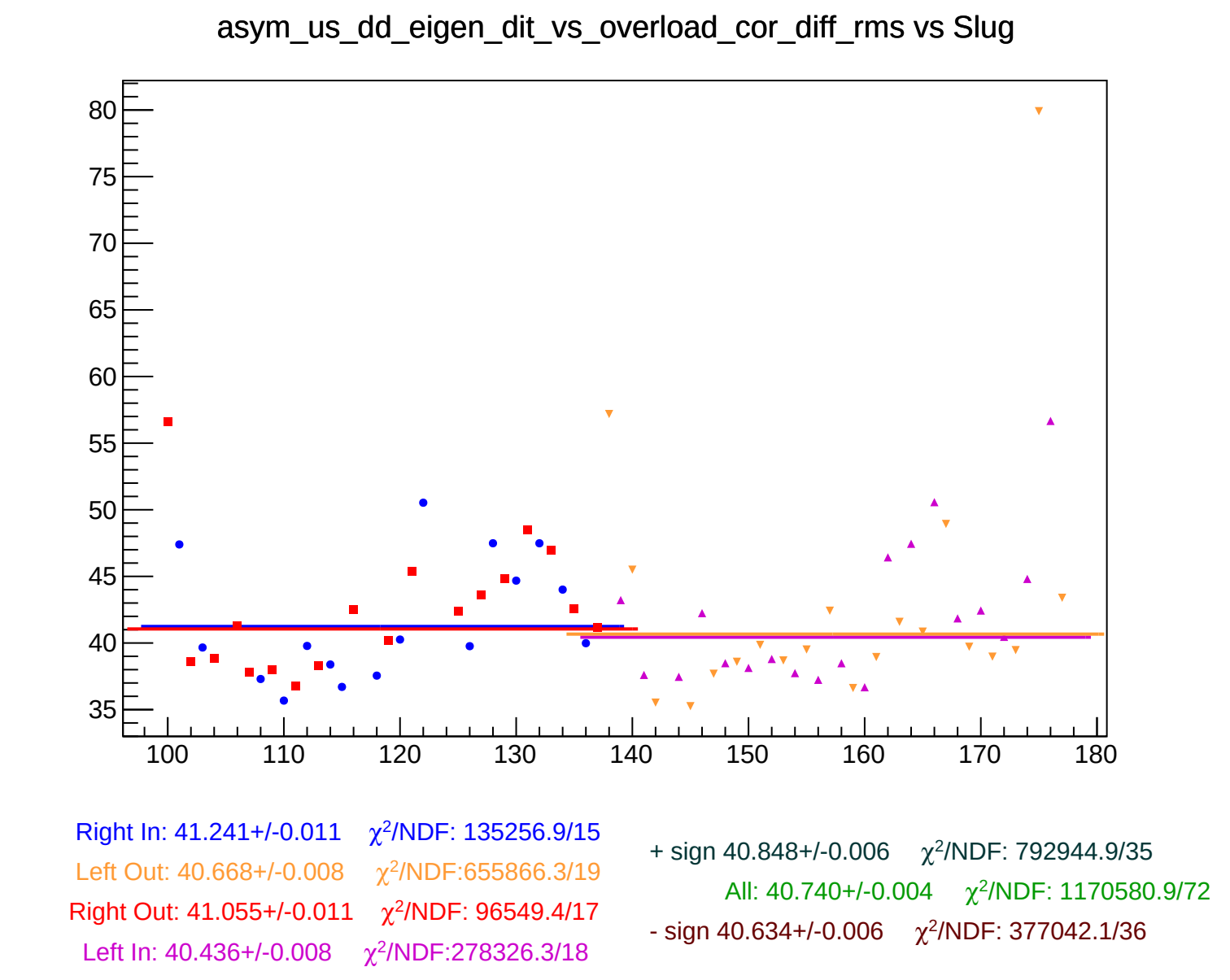
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

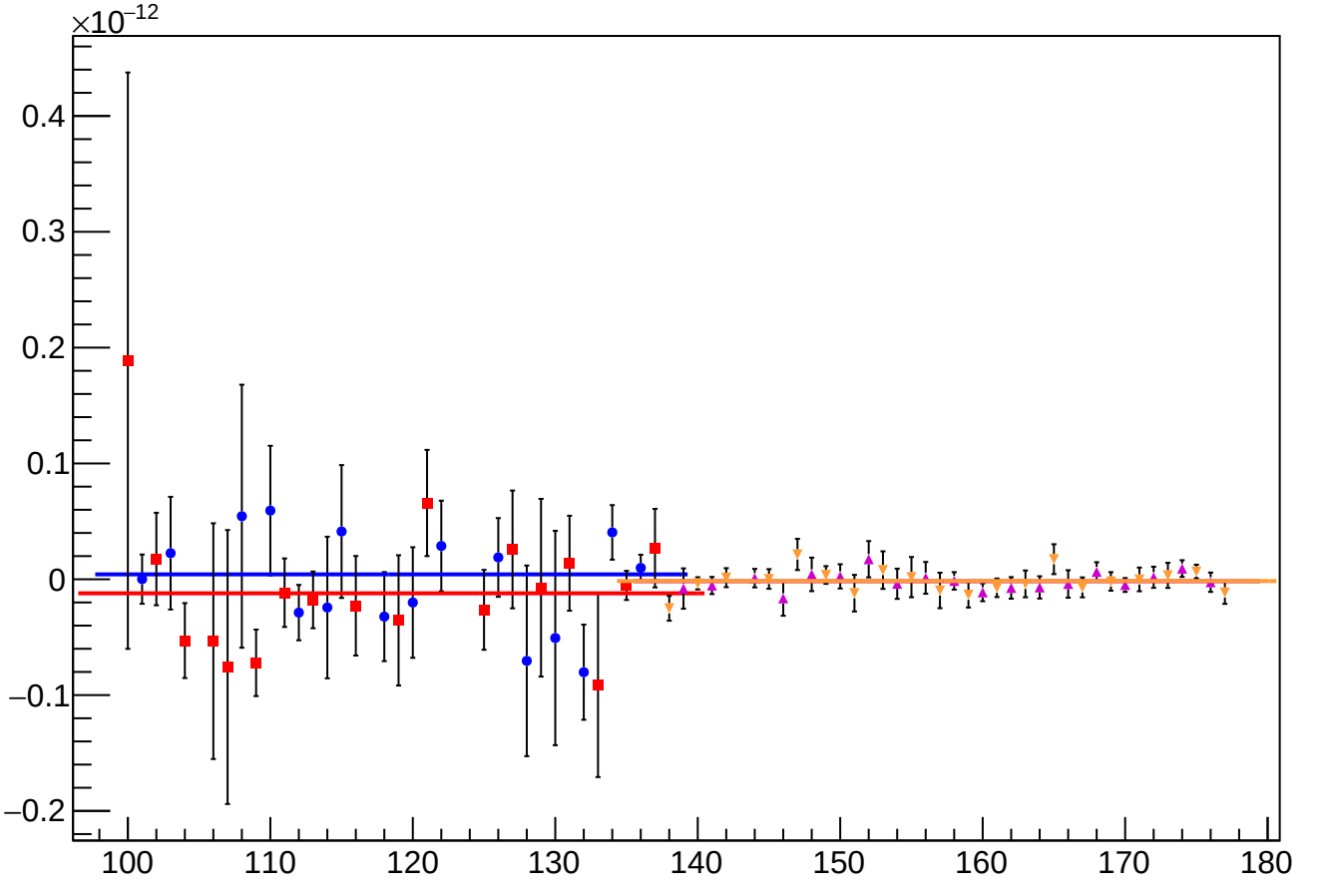
Left In: 0.004+/-0.011 χ^2/NDF:30.1/18

+ sign -0.003+/-0.009 χ^2/NDF: 23.5/35

All: -0.004+/-0.006 χ^2/NDF: 71.1/72

- sign -0.005+/-0.009 χ^2/NDF: 47.6/36


asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug
80
75
70
65
60
55
50
45
40
35
100
110
120
130
140
150
160
170
180
Right In: 41.241+/-0.011 χ²/NDF: 135256.9/15
Left Out: 40.668+/-0.008 χ²/NDF:655866.3/19
Right Out: 41.055+/-0.011 χ²/NDF: 96549.4/17
Left In: 40.436+/-0.008 χ²/NDF:278326.3/18
+ sign 40.848+/-0.006 χ²/NDF: 792944.9/35
All: 40.740+/-0.004 χ²/NDF: 1170580.9/72
- sign 40.634+/-0.006 χ²/NDF: 377042.1/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/19

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

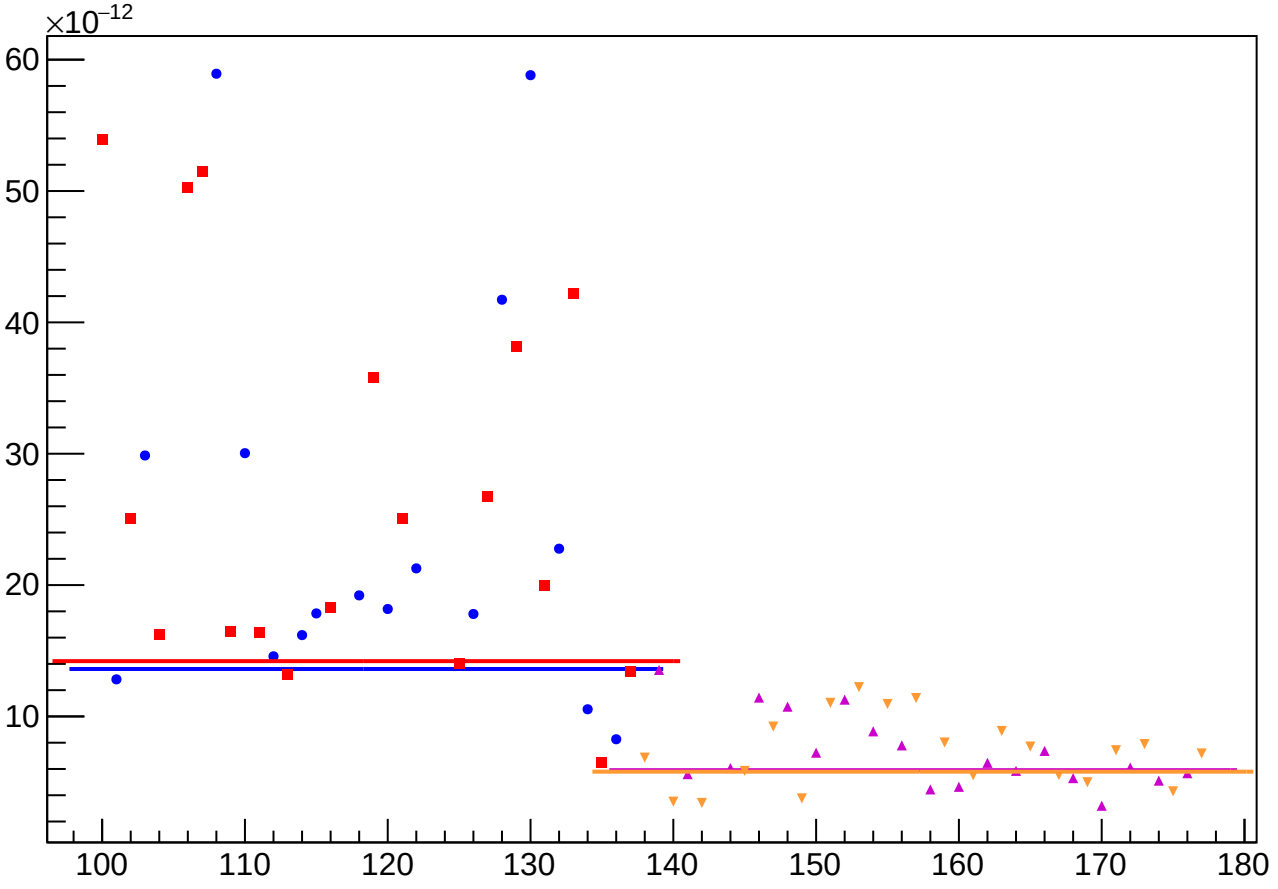
Left In: -0.000+/-0.000 χ^2/NDF:9.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/35

All: -0.000+/-0.000 χ^2/NDF: 57.0/72

- sign -0.000+/-0.000 χ^2/NDF: 25.5/36

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:2404217.0/19

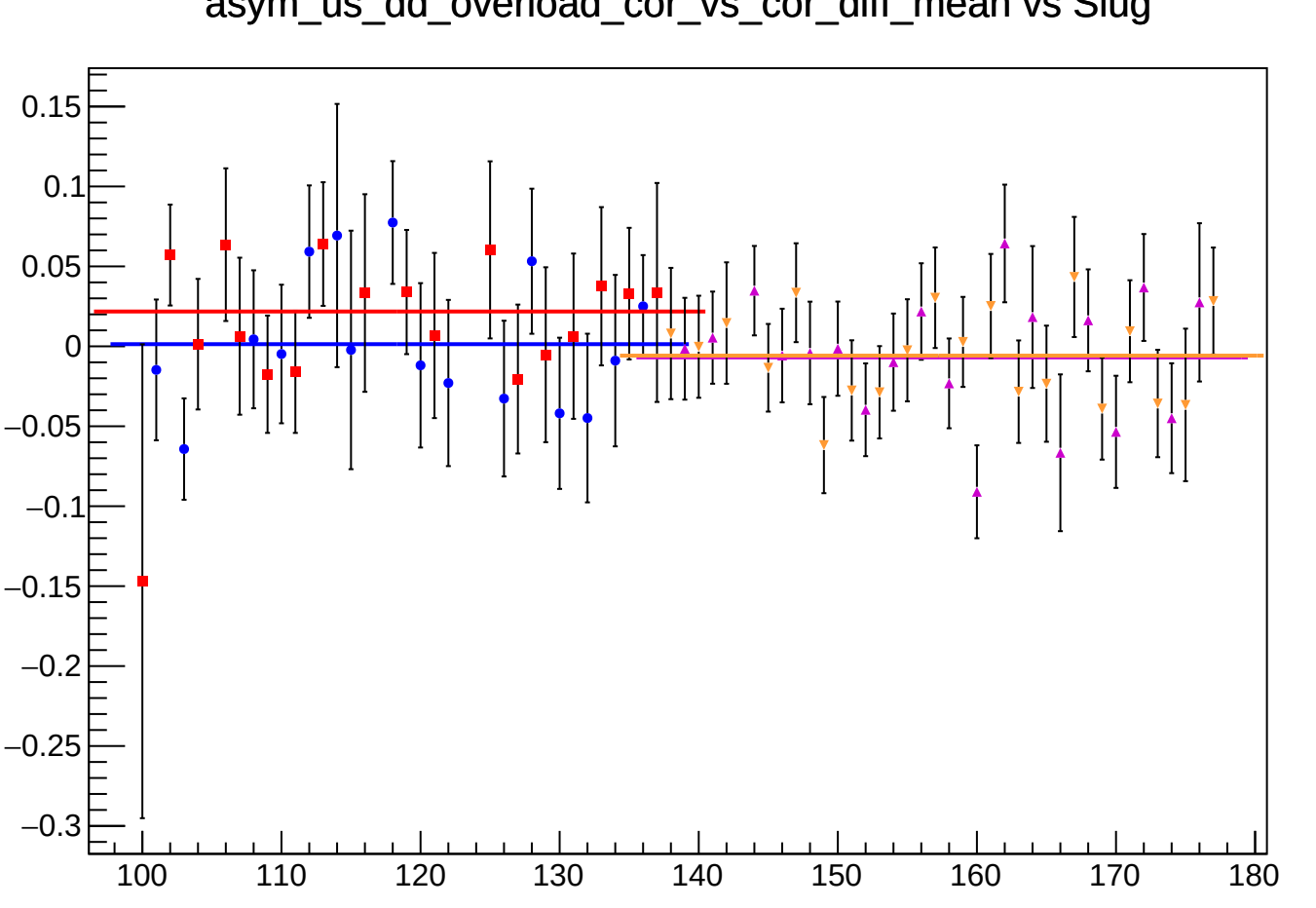
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1906289.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 6676077.0/35

All: 0.000+/-0.000 χ^2/NDF: 13172150.6/72

- sign 0.000+/-0.000 χ^2/NDF: 6492496.0/36



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.0/19

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

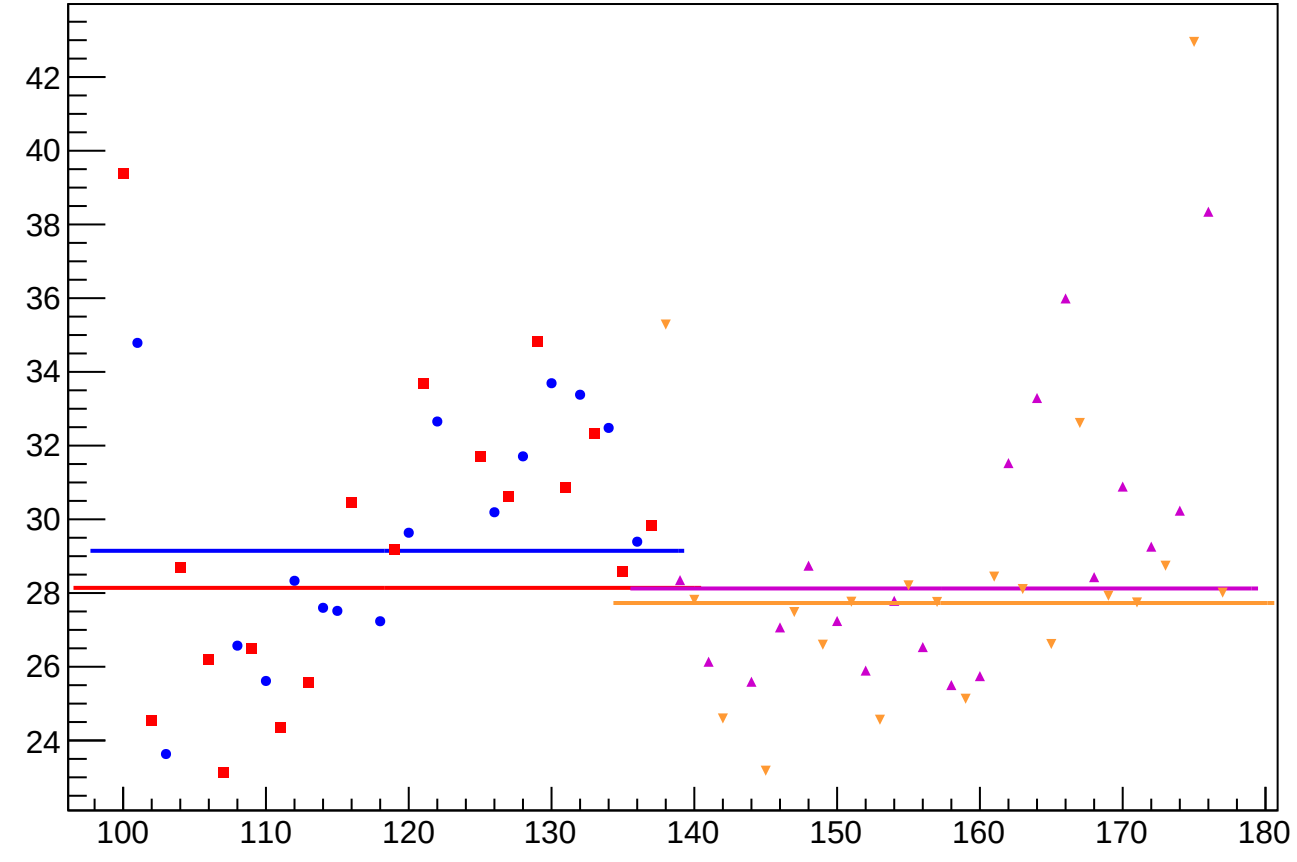
Left In: -0.007+/-0.007 χ^2/NDF:24.6/18

+ sign -0.004+/-0.006 χ^2/NDF: 30.6/35

All: -0.001+/-0.004 χ^2/NDF: 69.6/72

- sign 0.002+/-0.006 χ^2/NDF: 38.5/36

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 27.730+/-0.005 χ^2/NDF:423603.3/19

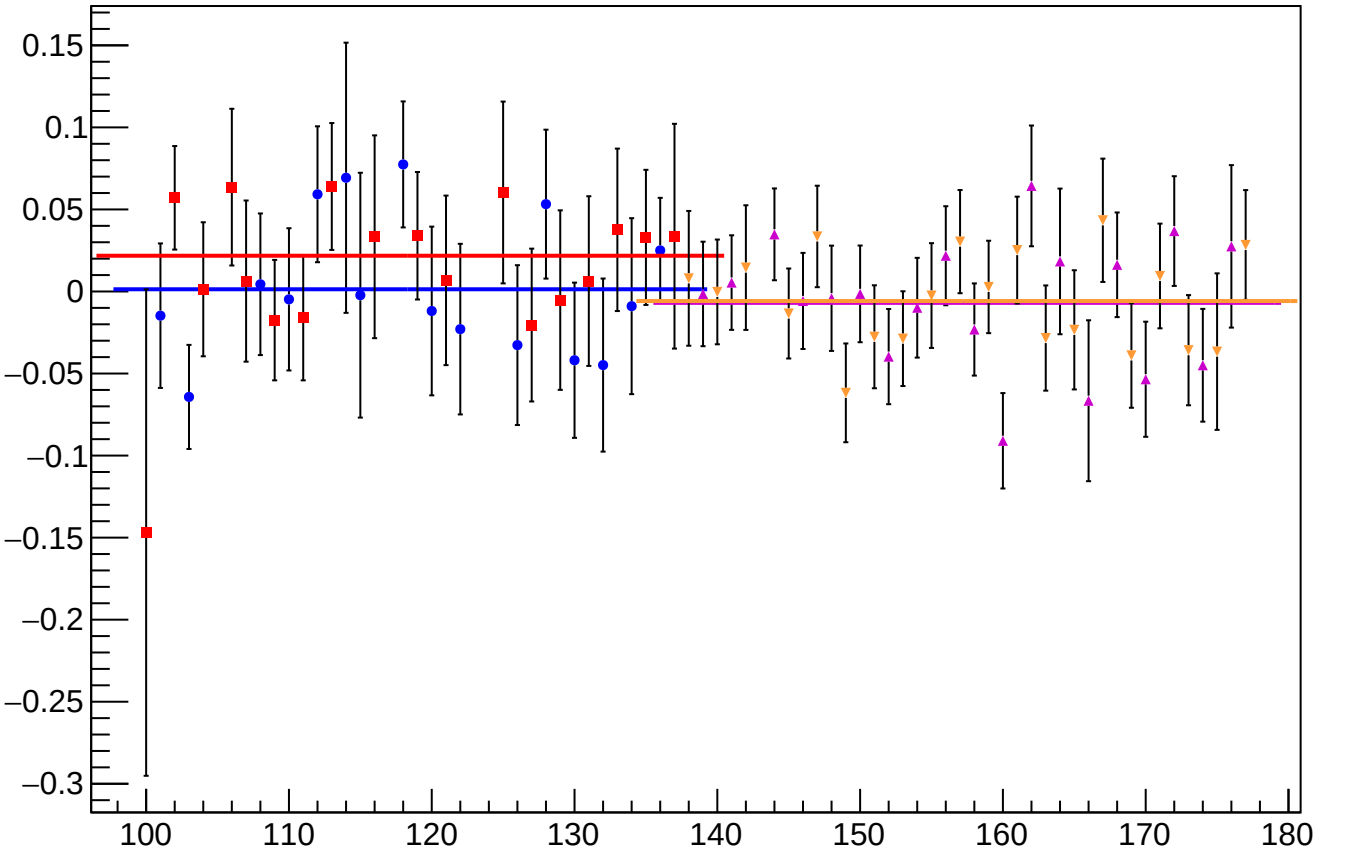
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 28.124+/-0.005 χ^2/NDF:282952.8/18

\+ sign 28.151+/-0.004 χ^2/NDF: 622901.6/35

All: 28.140+/-0.003 χ^2/NDF: 1092974.2/72

\- sign 28.129+/-0.004 χ^2/NDF: 470059.7/36



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.0/19

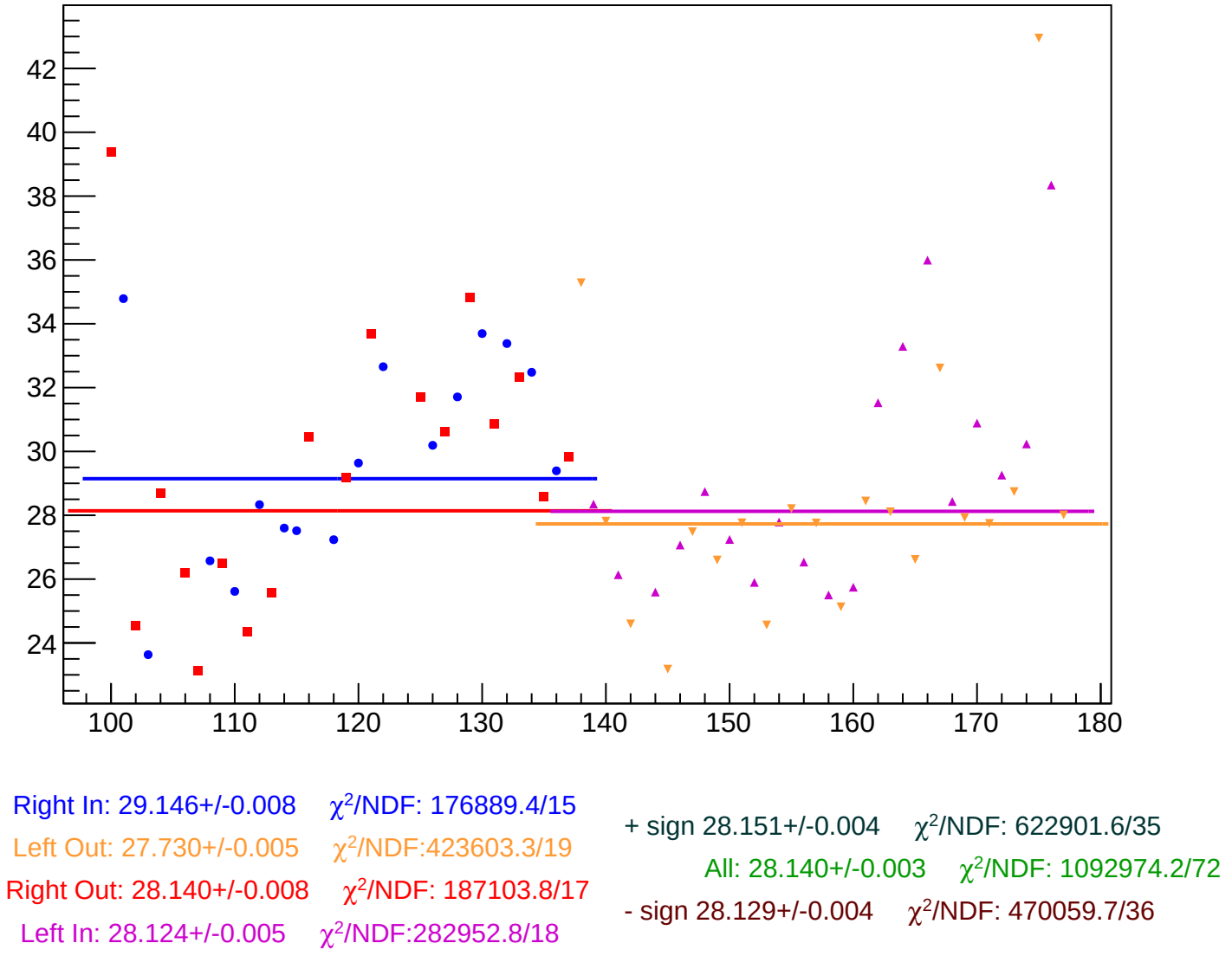
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.007+/-0.007 χ^2/NDF:24.6/18

+ sign -0.004+/-0.006 χ^2/NDF: 30.6/35

All: -0.001+/-0.004 χ^2/NDF: 69.6/72

- sign 0.002+/-0.006 χ^2/NDF: 38.5/36


asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug
42
40
38
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34
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30
28
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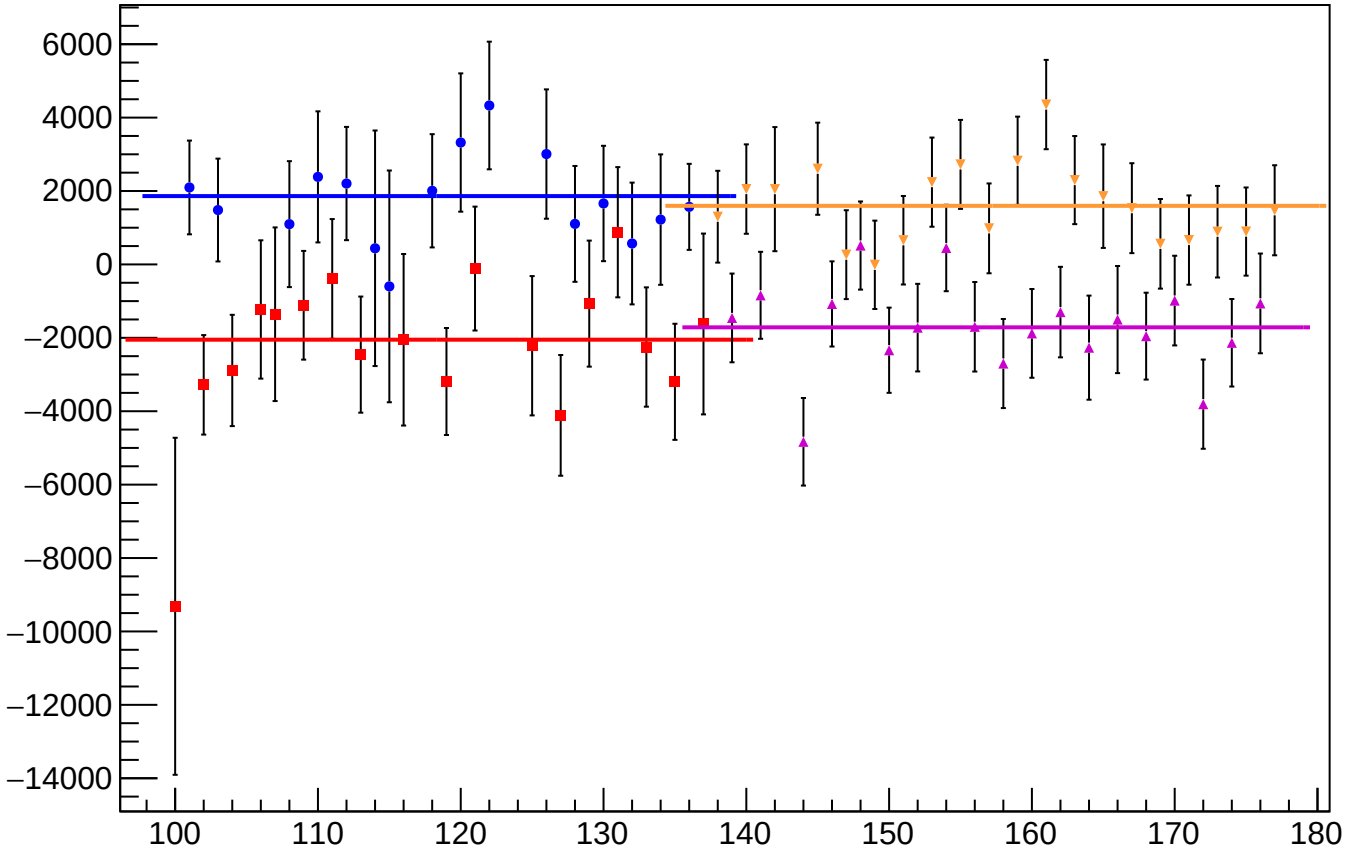
24
100
110
120
130
140
150
160
170
180
Right In: 29.146+/-0.008 χ²/NDF: 176889.4/15
Left Out: 27.730+/-0.005 χ²/NDF:423603.3/19
Right Out: 28.140+/-0.008 χ²/NDF: 187103.8/17
Left In: 28.124+/-0.005 χ²/NDF:282952.8/18
+ sign 28.151+/-0.004 χ²/NDF: 622901.6/35
All: 28.140+/-0.003 χ²/NDF: 1092974.2/72
- sign 28.129+/-0.004 χ²/NDF: 470059.7/36

reg_asym_usl_mean vs Slug



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

Left Out: 1596.207+/-277.764 χ^2/NDF:14.5/19

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

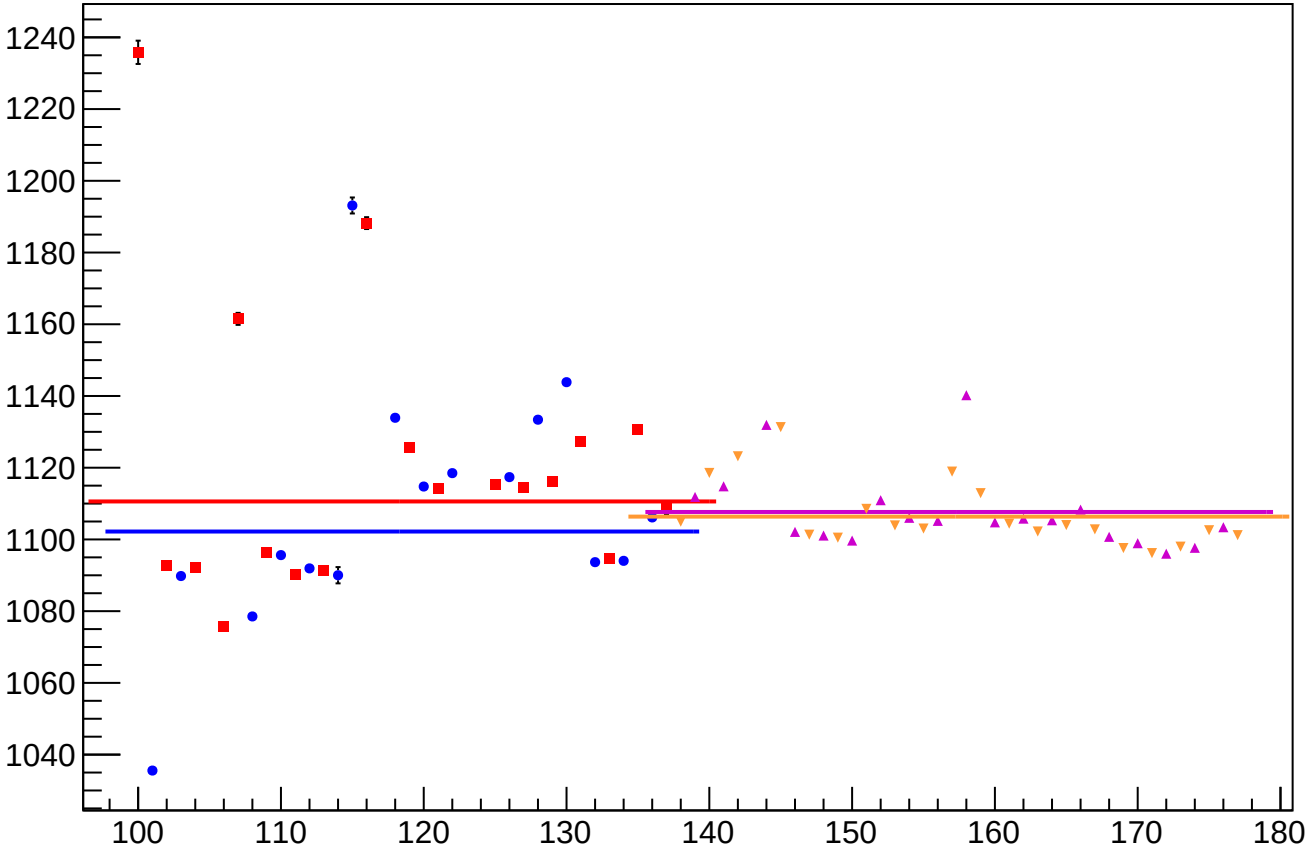
Left In: -1714.454+/-280.981 χ^2/NDF:19.5/18

+ sign 1679.805+/-229.876 χ^2/NDF: 20.1/35

All: -57.824+/-163.167 χ^2/NDF: 167.7/72

- sign -1822.222+/-231.640 χ^2/NDF: 32.5/36

reg_asym_usl_rms vs Slug



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

Left Out: 1106.365+/-0.196 χ^2/NDF:2012.5/19

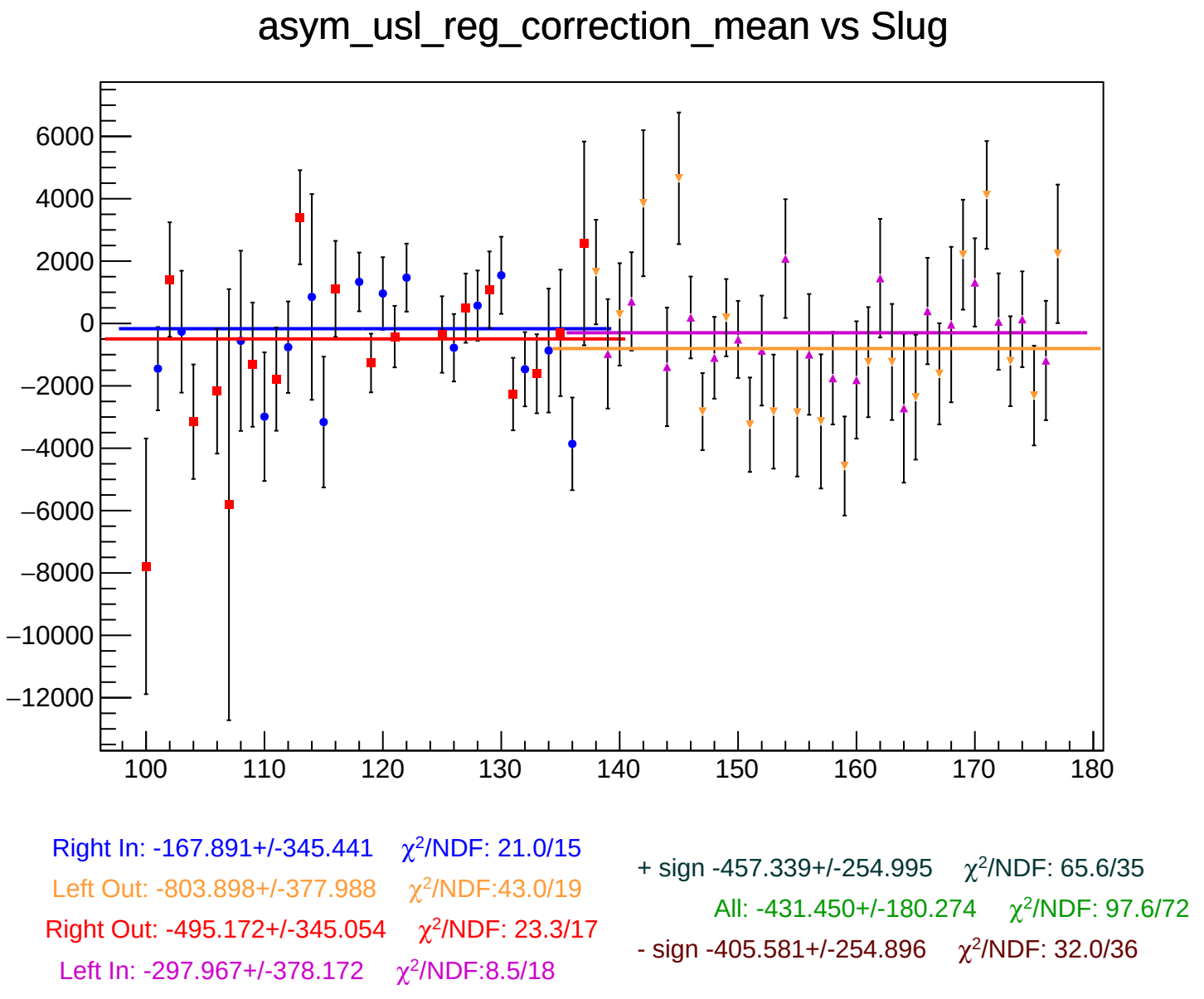
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.658+/-0.199 χ^2/NDF:3127.6/18

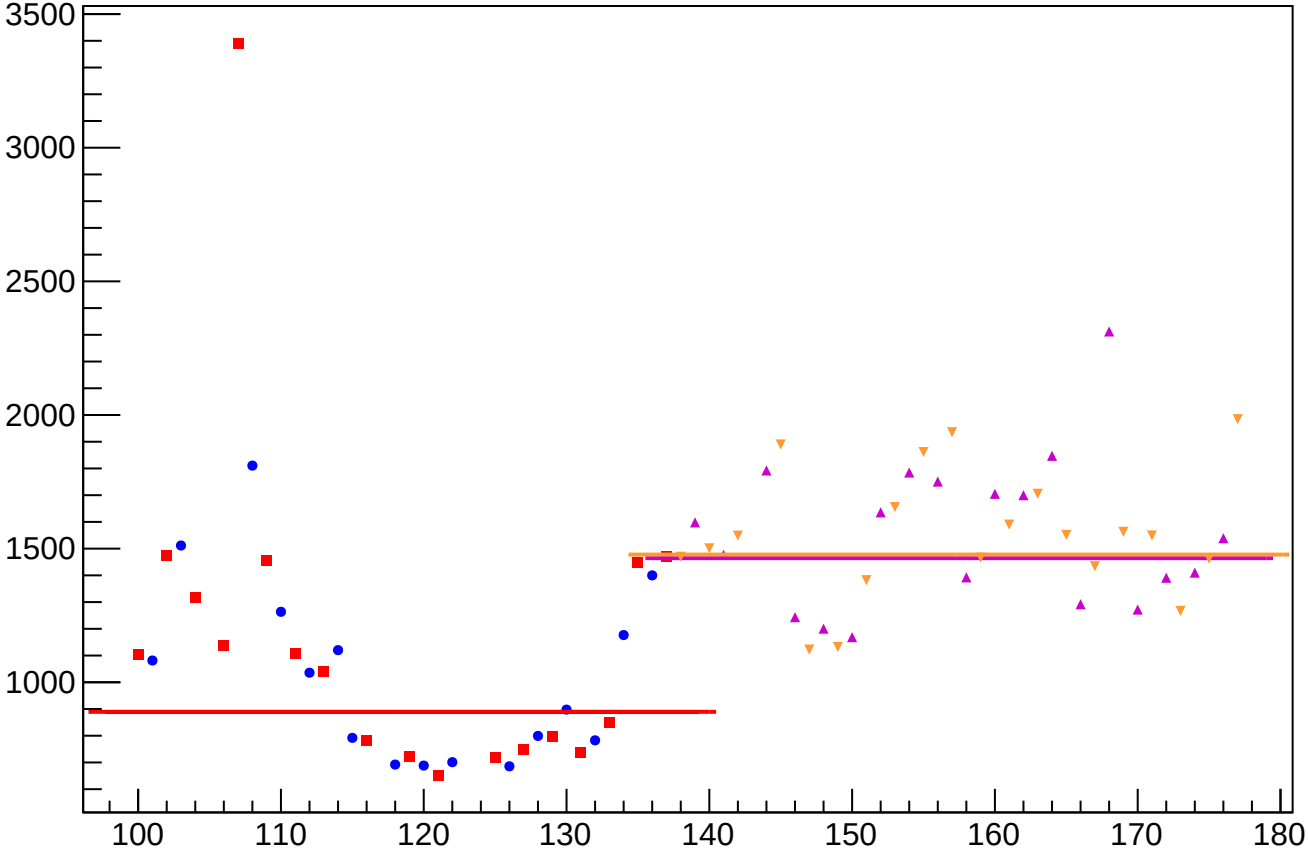
+ sign 1105.054+/-0.163 χ^2/NDF: 13502.8/35

All: 1106.812+/-0.115 χ^2/NDF: 24632.0/72

- sign 1108.598+/-0.164 χ^2/NDF: 10893.5/36


asym_usl_reg_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -803.898+/-377.988 χ²/NDF:43.0/19
Right Out: -495.172+/-345.054 χ²/NDF: 23.3/17
Left In: -297.967+/-378.172 χ²/NDF:8.5/18
+ sign -457.339+/-254.995 χ²/NDF: 65.6/35
All: -431.450+/-180.274 χ²/NDF: 97.6/72
- sign -405.581+/-254.896 χ²/NDF: 32.0/36

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1477.742+/-0.267 χ^2/NDF:784822.7/19

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

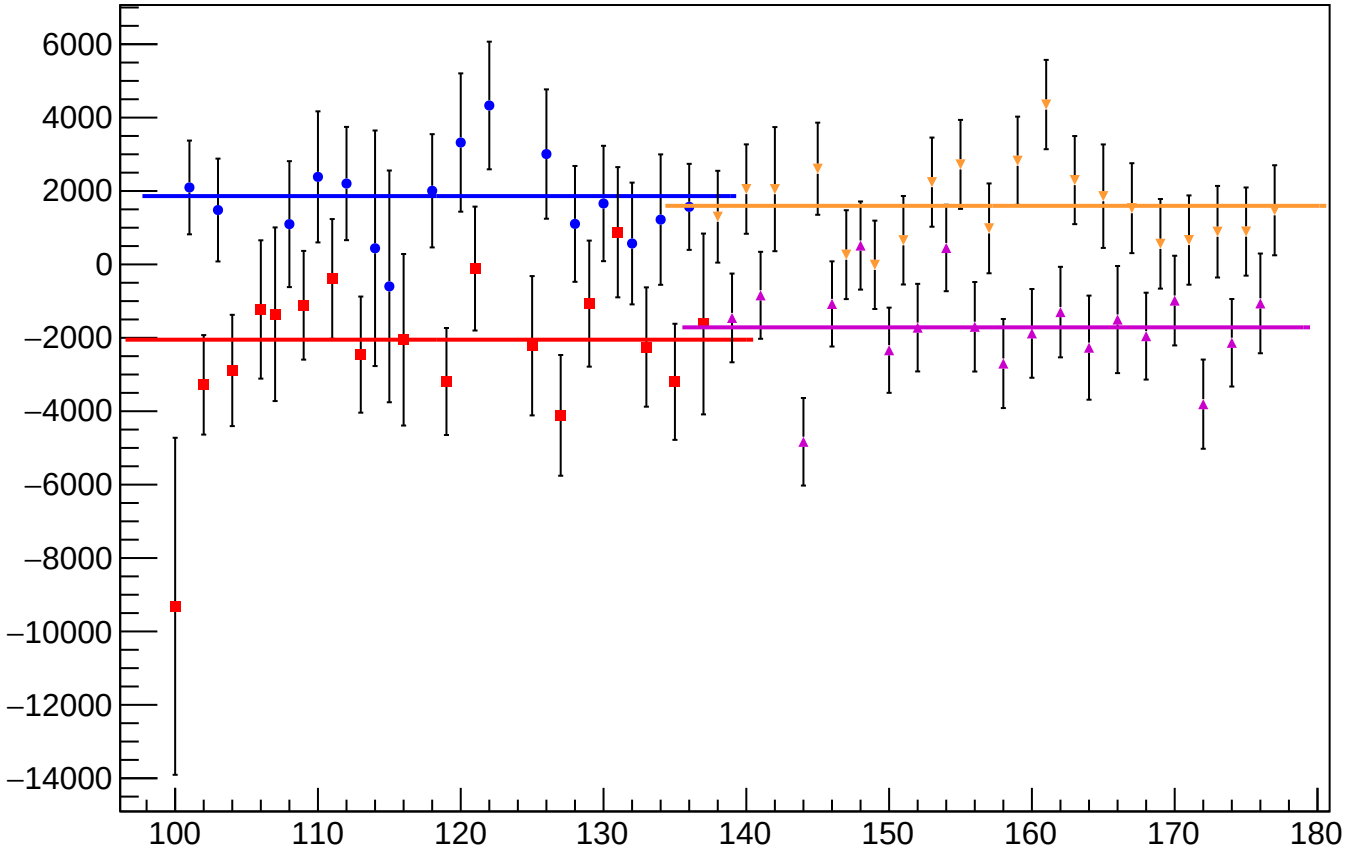
Left In: 1464.416+/-0.267 χ^2/NDF:860917.1/18

+ sign 1156.914+/-0.180 χ^2/NDF: 4561858.7/35

All: 1153.793+/-0.127 χ^2/NDF: 9291694.0/72

- sign 1150.674+/-0.180 χ^2/NDF: 4729236.4/36

cor_asym_usl_mean vs Slug



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

Left Out: 1596.207+/-277.764 χ^2/NDF:14.5/19

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

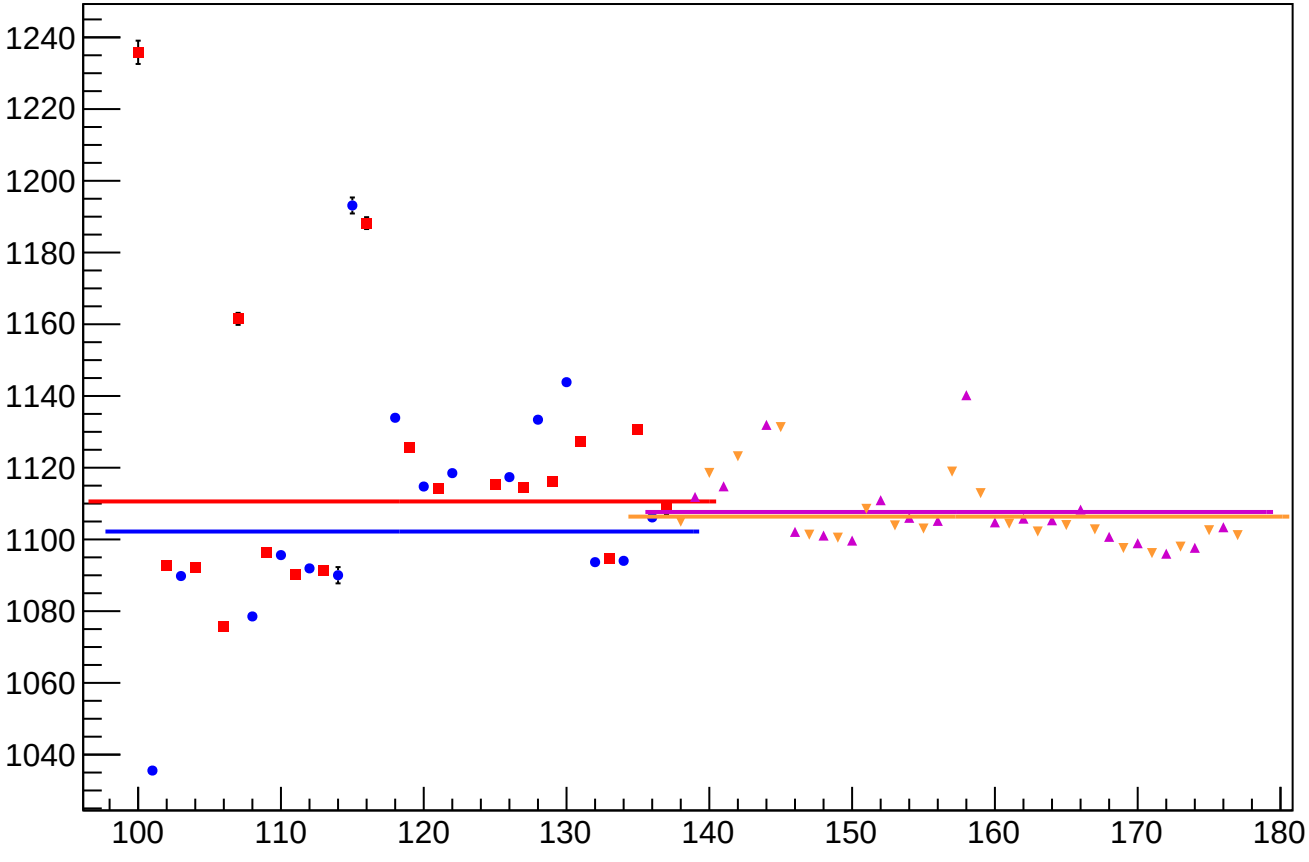
Left In: -1714.454+/-280.981 χ^2/NDF:19.5/18

+ sign 1679.805+/-229.876 χ^2/NDF: 20.1/35

All: -57.824+/-163.167 χ^2/NDF: 167.7/72

- sign -1822.222+/-231.640 χ^2/NDF: 32.5/36

cor_asym_usl_rms vs Slug



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

Left Out: 1106.365+/-0.196 χ^2/NDF:2012.5/19

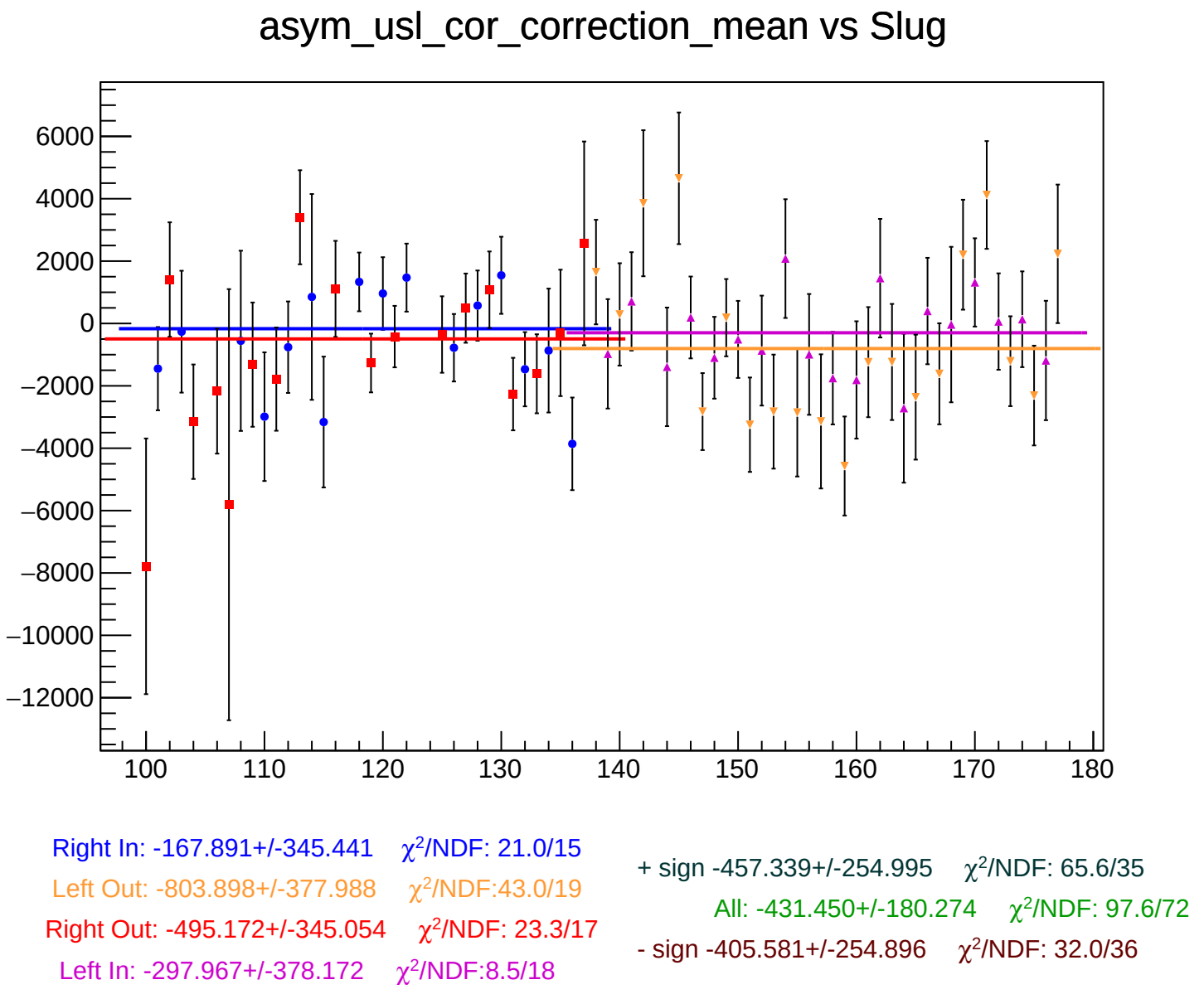
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.658+/-0.199 χ^2/NDF:3127.6/18

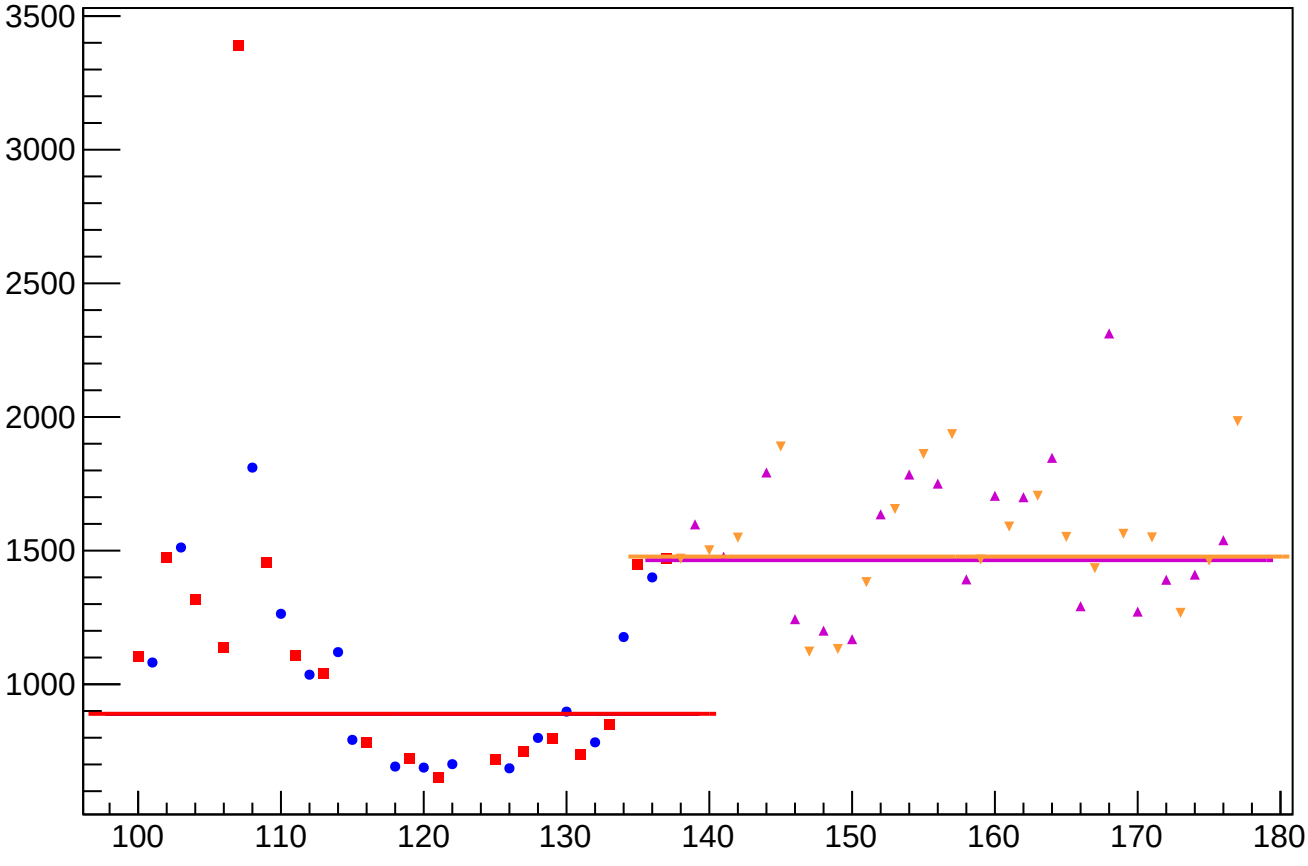
+ sign 1105.054+/-0.163 χ^2/NDF: 13502.8/35

All: 1106.812+/-0.115 χ^2/NDF: 24632.0/72

- sign 1108.598+/-0.164 χ^2/NDF: 10893.5/36


asym_usl_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: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -803.898+/-377.988 χ²/NDF:43.0/19
Right Out: -495.172+/-345.054 χ²/NDF: 23.3/17
Left In: -297.967+/-378.172 χ²/NDF:8.5/18
+ sign -457.339+/-254.995 χ²/NDF: 65.6/35
All: -431.450+/-180.274 χ²/NDF: 97.6/72
- sign -405.581+/-254.896 χ²/NDF: 32.0/36

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1477.742+/-0.267 χ^2/NDF:784822.7/19

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

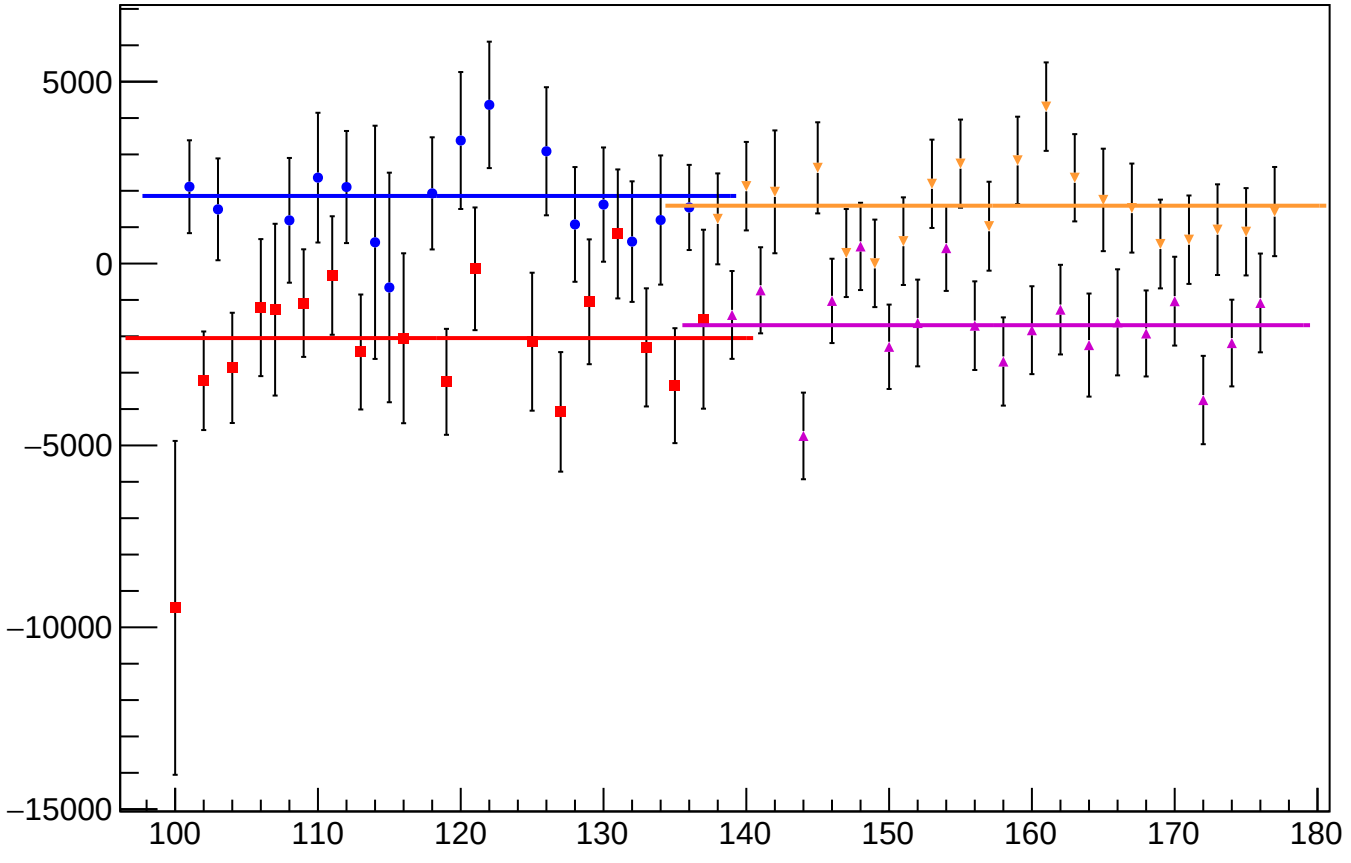
Left In: 1464.416+/-0.267 χ^2/NDF:860917.1/18

+ sign 1156.914+/-0.180 χ^2/NDF: 4561858.7/35

All: 1153.793+/-0.127 χ^2/NDF: 9291694.0/72

- sign 1150.674+/-0.180 χ^2/NDF: 4729236.4/36

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1590.412+/-277.495 χ^2/NDF:14.4/19

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

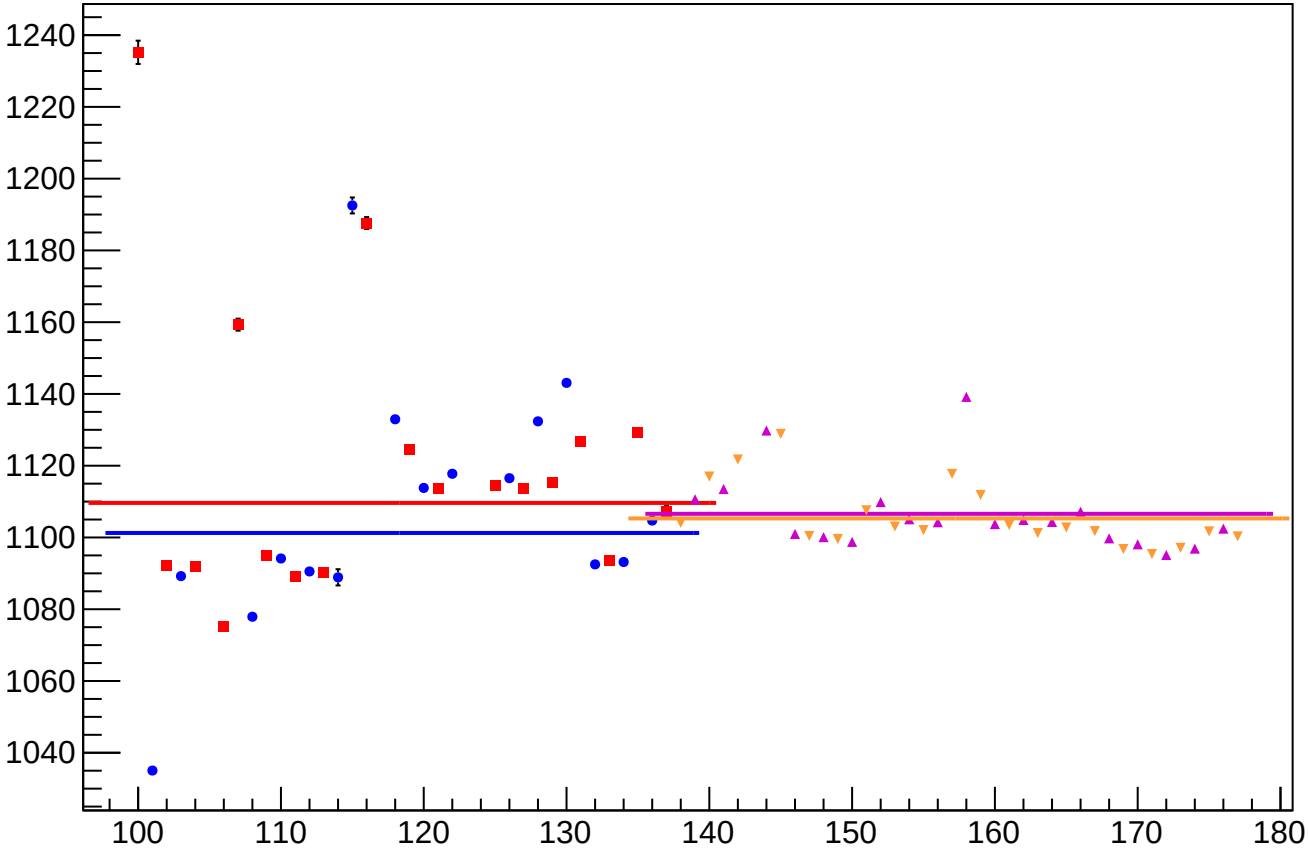
Left In: -1694.294+/-280.710 χ^2/NDF:18.9/18

+ sign 1674.928+/-229.661 χ^2/NDF: 20.2/35

All: -53.128+/-163.015 χ^2/NDF: 166.4/72

- sign -1807.812+/-231.424 χ^2/NDF: 32.1/36

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1105.302+/-0.196 χ^2/NDF:1874.4/19

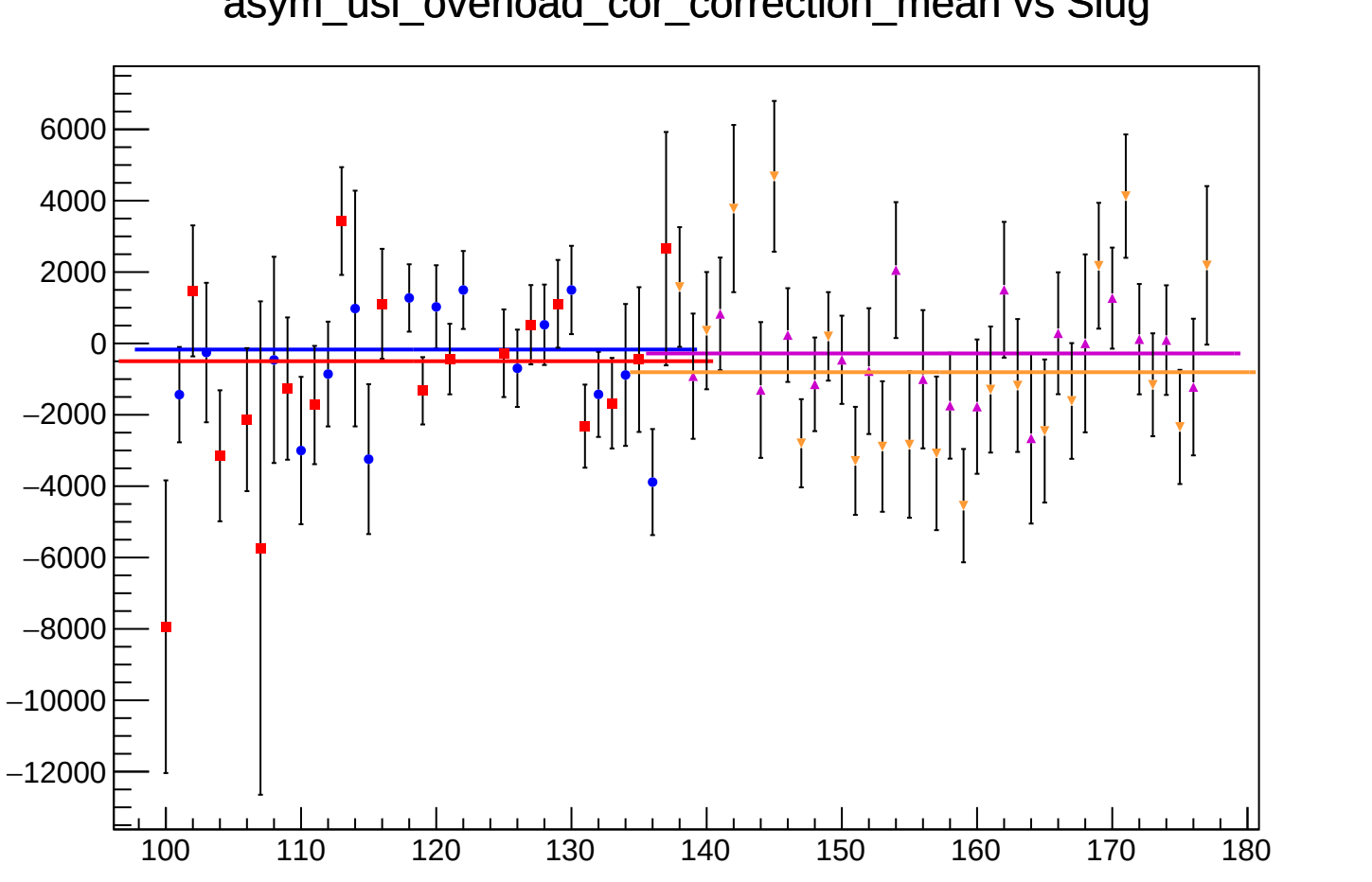
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1106.593+/-0.198 χ^2/NDF:3031.8/18

+ sign 1104.027+/-0.162 χ^2/NDF: 13316.7/35

All: 1105.783+/-0.115 χ^2/NDF: 24332.1/72

- sign 1107.565+/-0.164 χ^2/NDF: 10779.8/36



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

Left Out: -806.075+/-378.199 χ^2/NDF:42.8/19

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

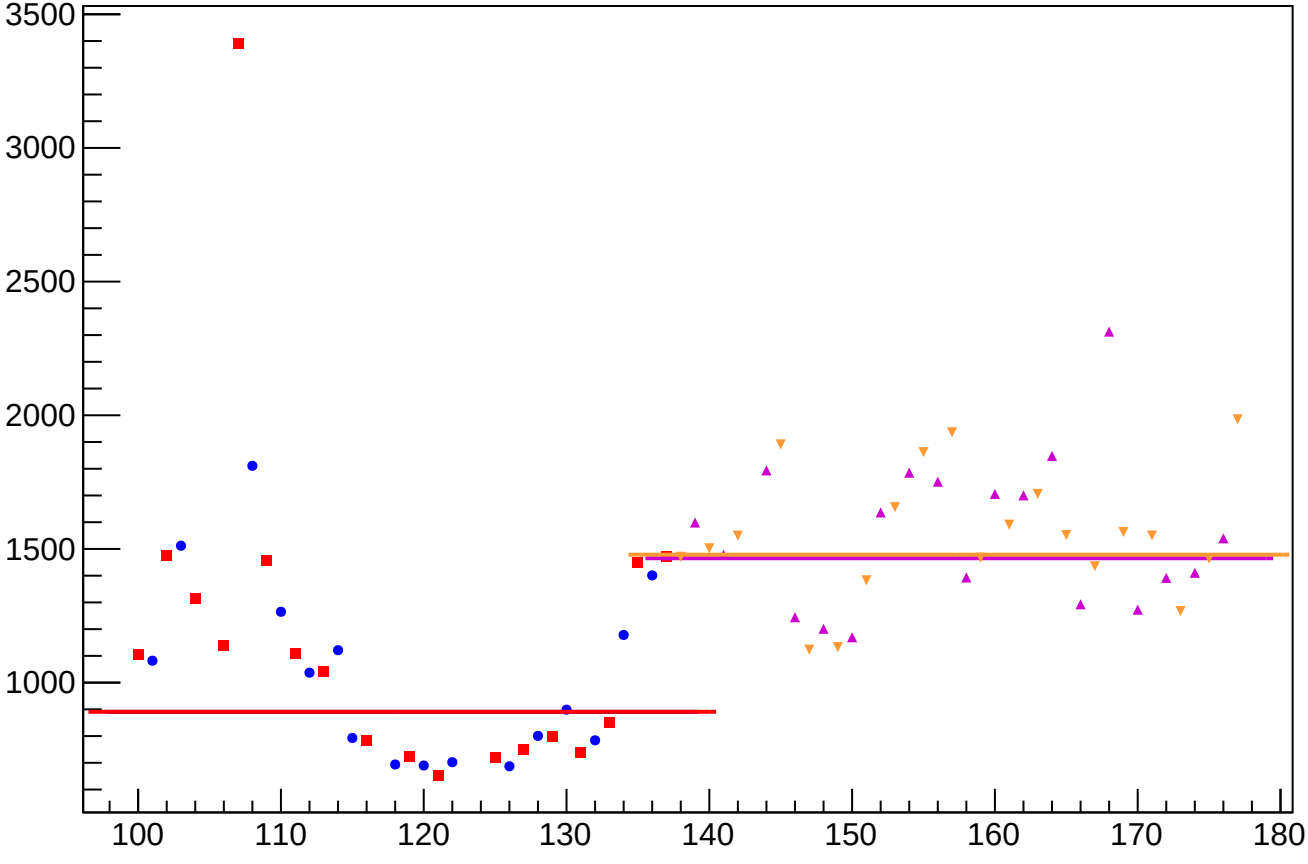
Left In: -280.437+/-378.388 χ^2/NDF:8.4/18

+ sign -460.301+/-255.277 χ^2/NDF: 65.3/35

All: -429.657+/-180.469 χ^2/NDF: 97.8/72

- sign -399.039+/-255.168 χ^2/NDF: 32.5/36

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1478.612+/-0.267 χ^2/NDF:783584.6/19

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

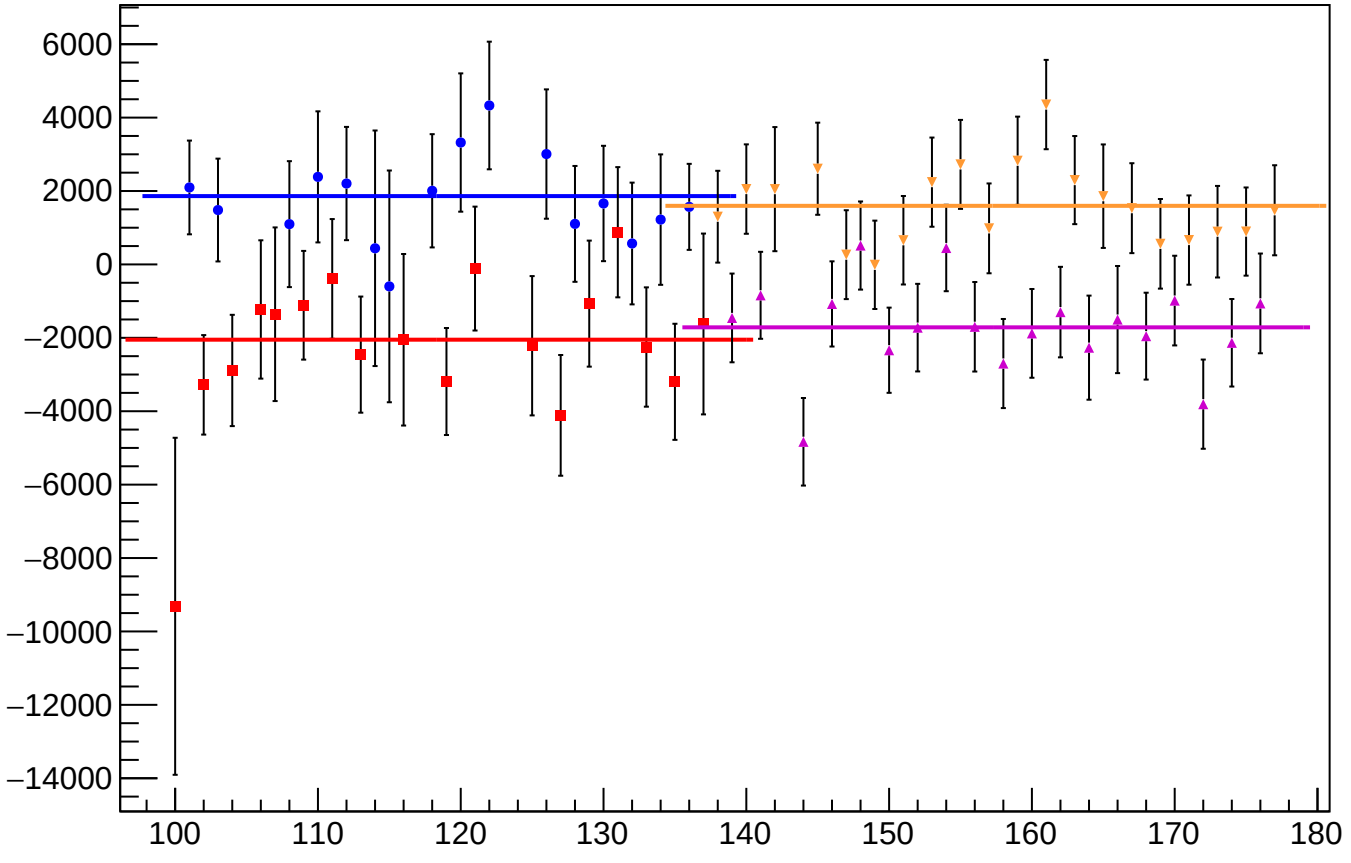
Left In: 1465.290+/-0.268 χ^2/NDF:859645.6/18

+ sign 1158.440+/-0.181 χ^2/NDF: 4545237.9/35

All: 1155.282+/-0.128 χ^2/NDF: 9259781.5/72

- sign 1152.127+/-0.180 χ^2/NDF: 4713931.9/36

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1596.207+/-277.764 χ^2/NDF:14.5/19

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

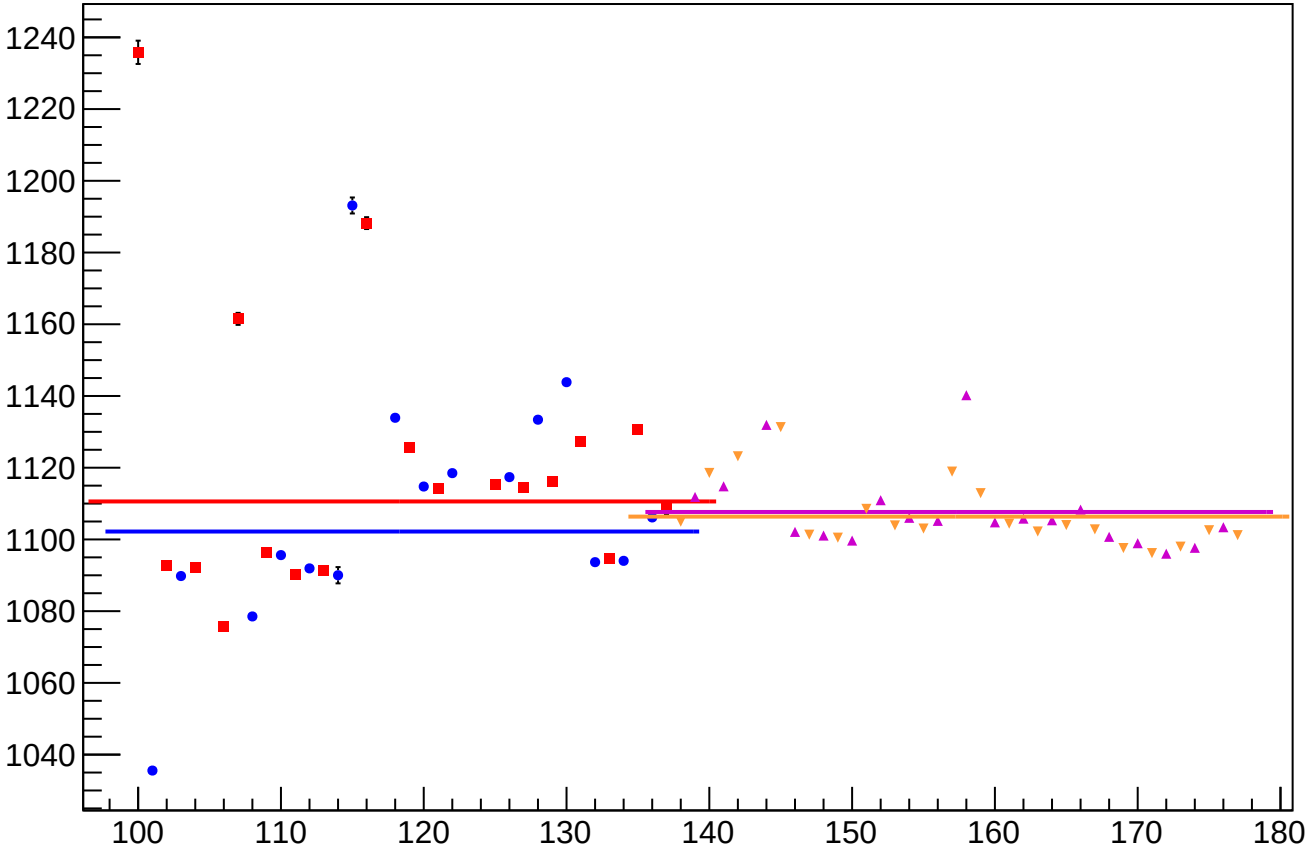
Left In: -1714.454+/-280.981 χ^2/NDF:19.5/18

+ sign 1679.805+/-229.876 χ^2/NDF: 20.1/35

All: -57.824+/-163.167 χ^2/NDF: 167.7/72

- sign -1822.222+/-231.640 χ^2/NDF: 32.5/36

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1106.365+/-0.196 χ^2/NDF:2012.5/19

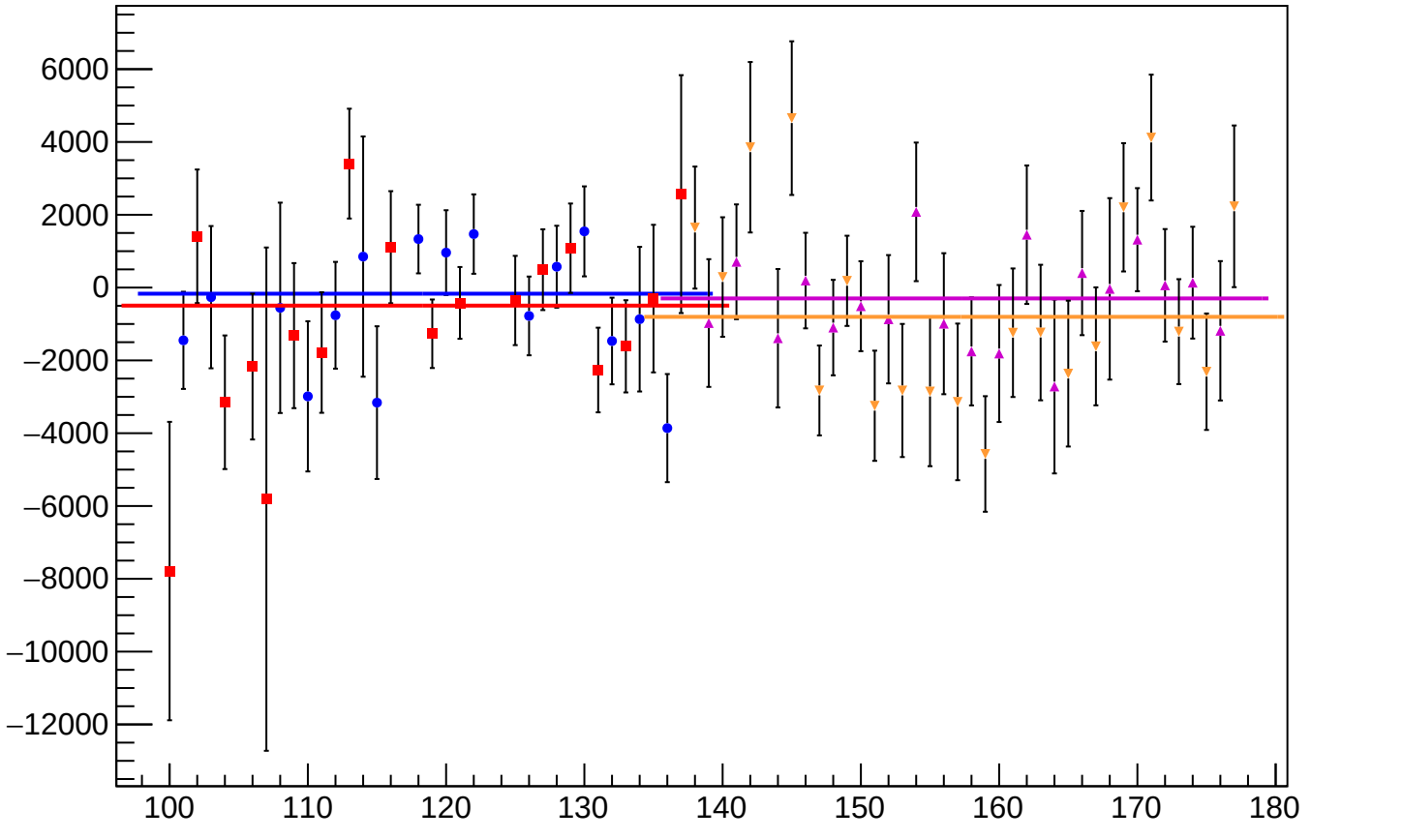
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.658+/-0.199 χ^2/NDF:3127.6/18

+ sign 1105.054+/-0.163 χ^2/NDF: 13502.8/35

All: 1106.812+/-0.115 χ^2/NDF: 24632.0/72

- sign 1108.598+/-0.164 χ^2/NDF: 10893.5/36



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

Left Out: -803.898+/-377.988 χ^2/NDF:43.0/19

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

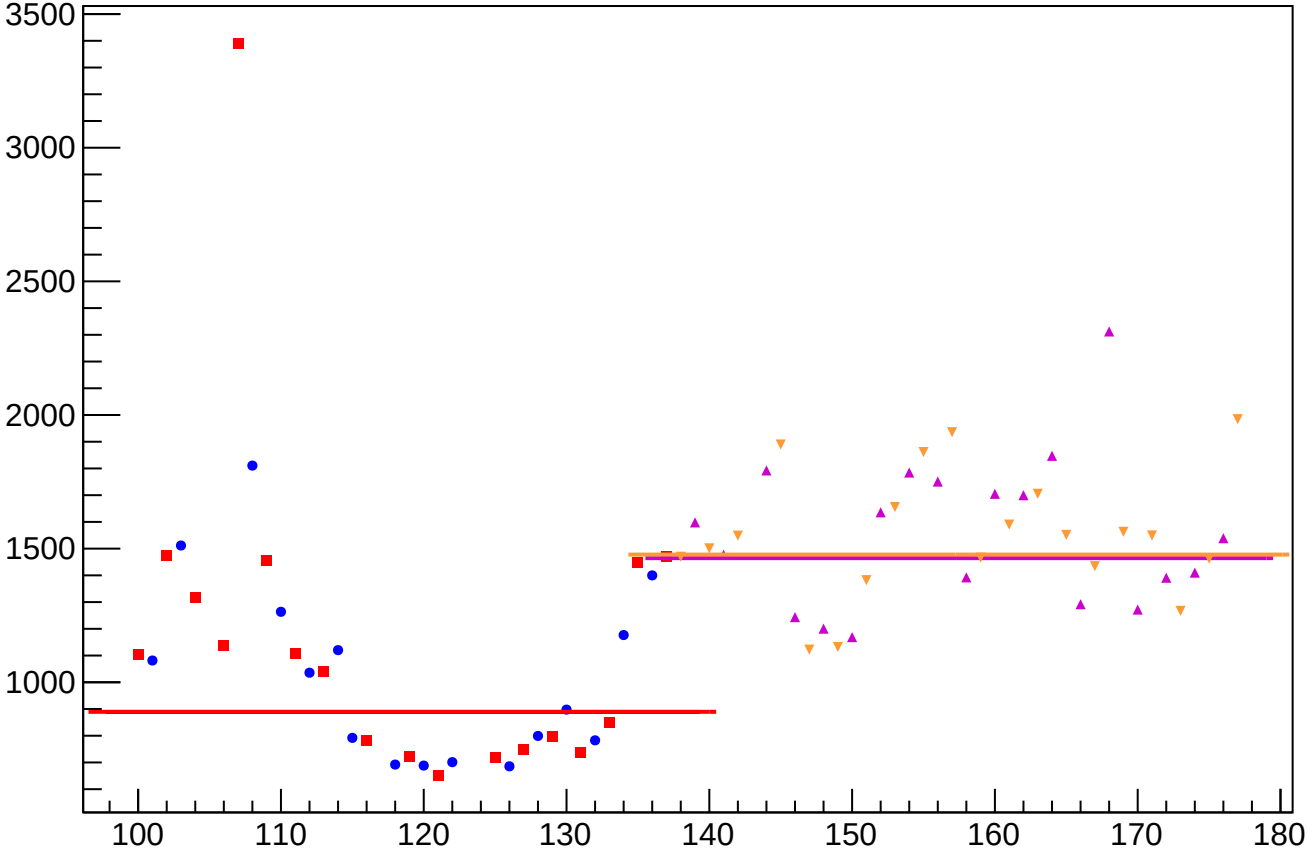
Left In: -297.967+/-378.172 χ^2/NDF:8.5/18

+ sign -457.339+/-254.995 χ^2/NDF: 65.6/35

All: -431.450+/-180.274 χ^2/NDF: 97.6/72

- sign -405.581+/-254.896 χ^2/NDF: 32.0/36

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1477.742+/-0.267 χ^2/NDF:784822.7/19

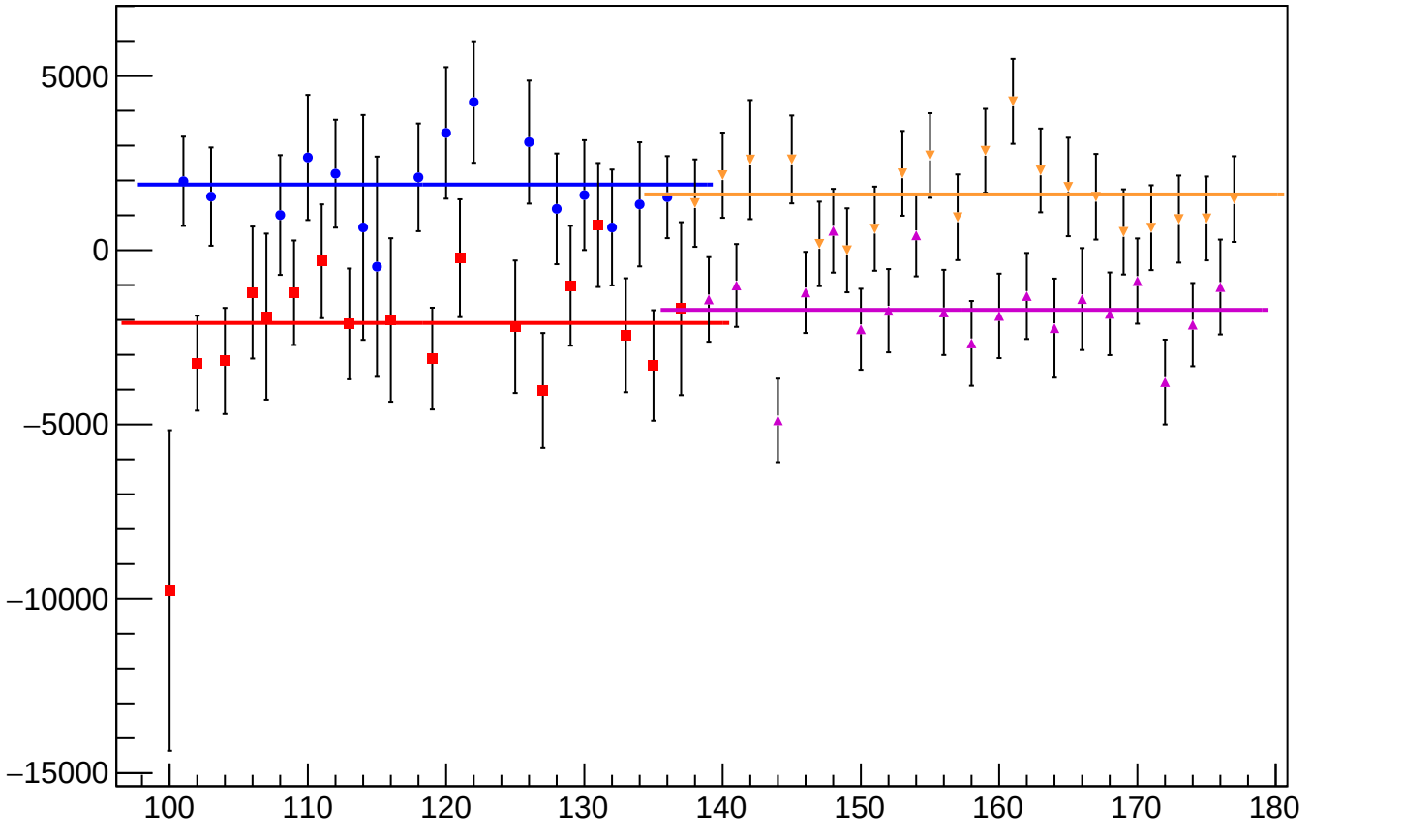
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1464.416+/-0.267 χ^2/NDF:860917.1/18

+ sign 1156.914+/-0.180 χ^2/NDF: 4561858.7/35

All: 1153.793+/-0.127 χ^2/NDF: 9291694.0/72

- sign 1150.674+/-0.180 χ^2/NDF: 4729236.4/36



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

Left Out: 1598.997+/-278.297 χ^2/NDF:14.7/19

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

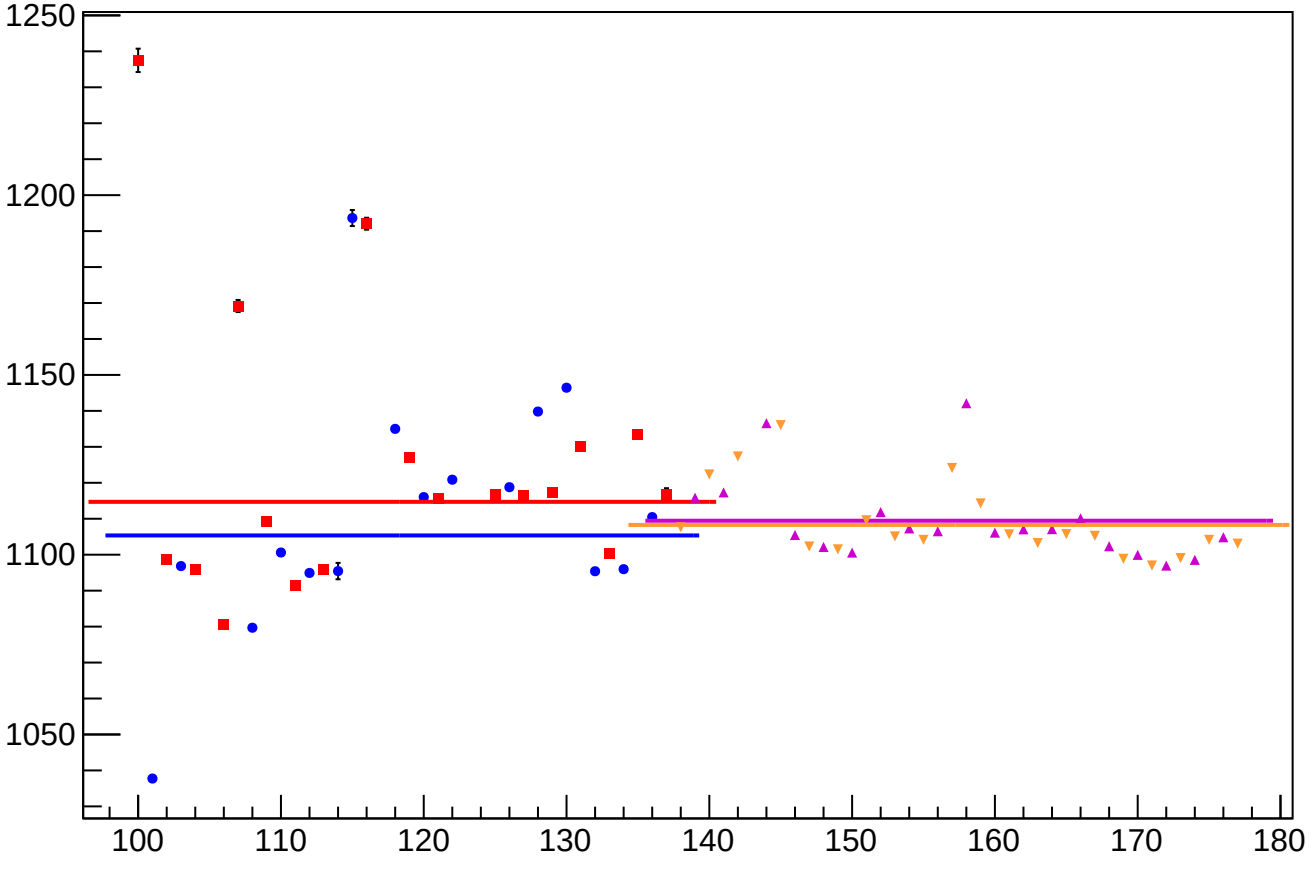
Left In: -1711.781+/-281.442 χ^2/NDF:19.3/18

+ sign 1687.901+/-230.386 χ^2/NDF: 20.2/35

All: -58.235+/-163.537 χ^2/NDF: 168.3/72

- sign -1831.609+/-232.176 χ^2/NDF: 32.3/36

dit_asym_usl_rms vs Slug



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

Left Out: 1108.281+/-0.197 χ^2/NDF:2539.7/19

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

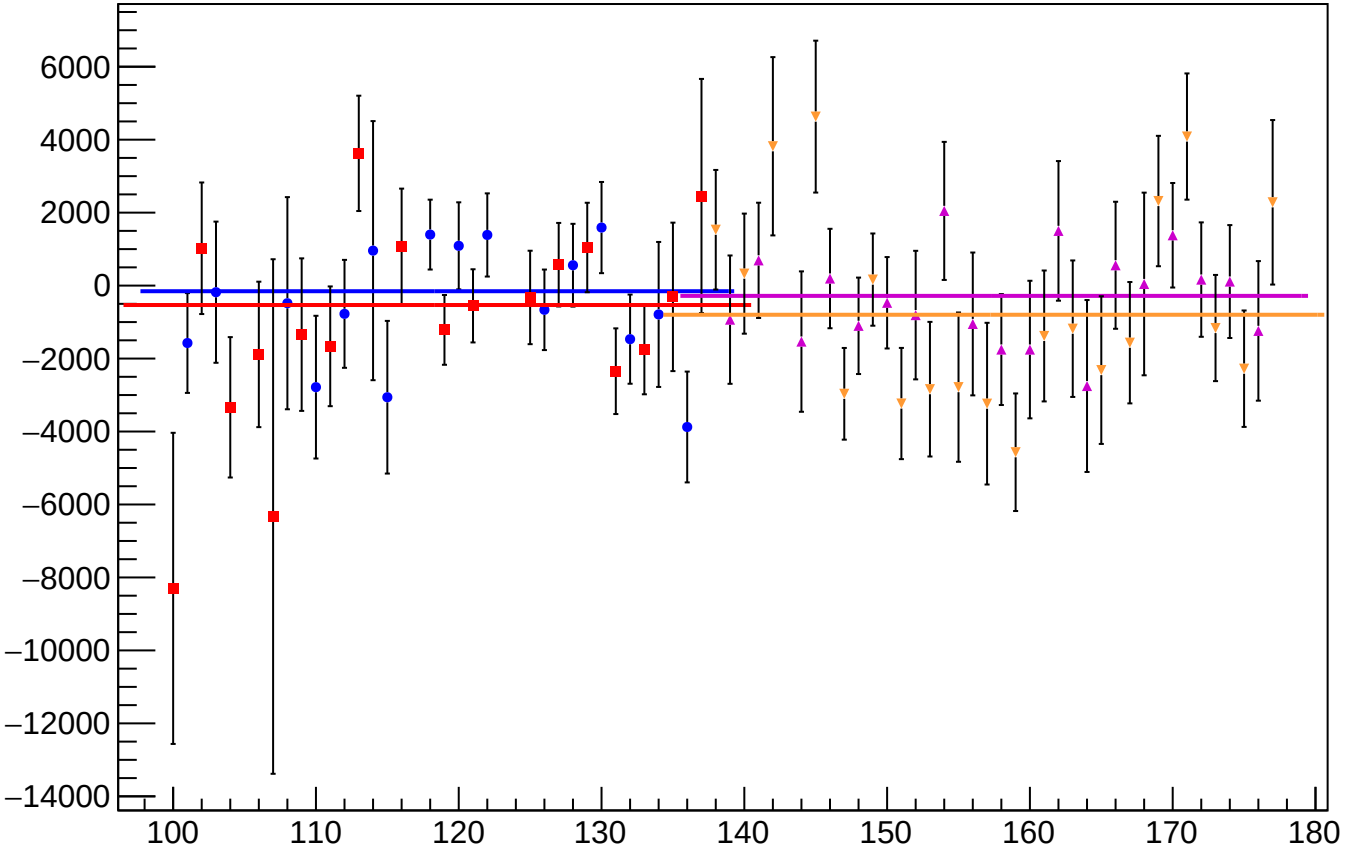
Left In: 1109.450+/-0.199 χ^2/NDF:3475.2/18

+ sign 1107.360+/-0.163 χ^2/NDF: 13940.1/35

All: 1109.230+/-0.116 χ^2/NDF: 25233.9/72

- sign 1111.129+/-0.164 χ^2/NDF: 11028.2/36

asym_usl_dit_correction_mean vs Slug



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

Left Out: -799.171+/-381.785 χ^2/NDF:42.5/19

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

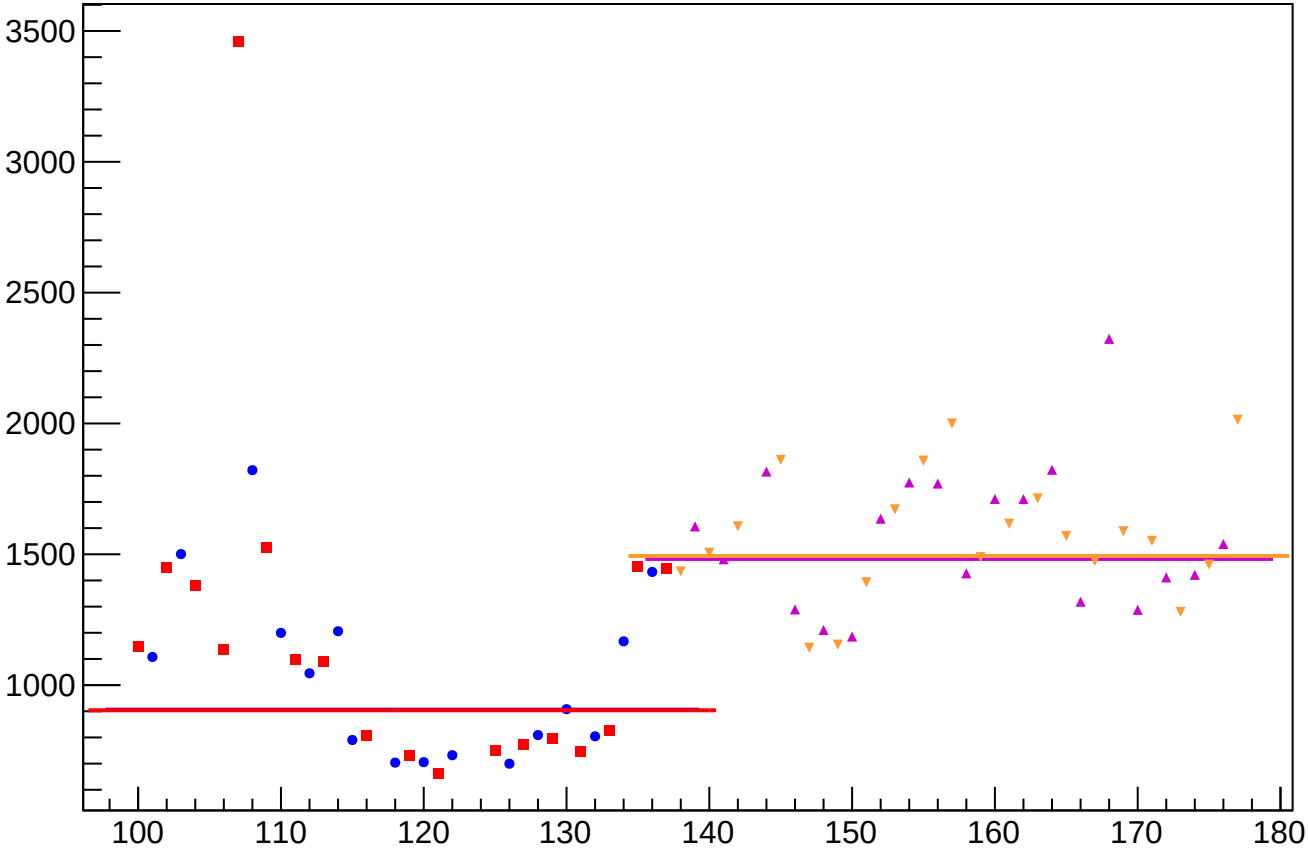
Left In: -281.631+/-382.222 χ^2/NDF:8.7/18

+ sign -449.818+/-258.520 χ^2/NDF: 64.5/35

All: -433.771+/-182.721 χ^2/NDF: 96.7/72

- sign -417.752+/-258.292 χ^2/NDF: 32.2/36

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1493.526+/-0.270 χ^2/NDF:762865.4/19

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

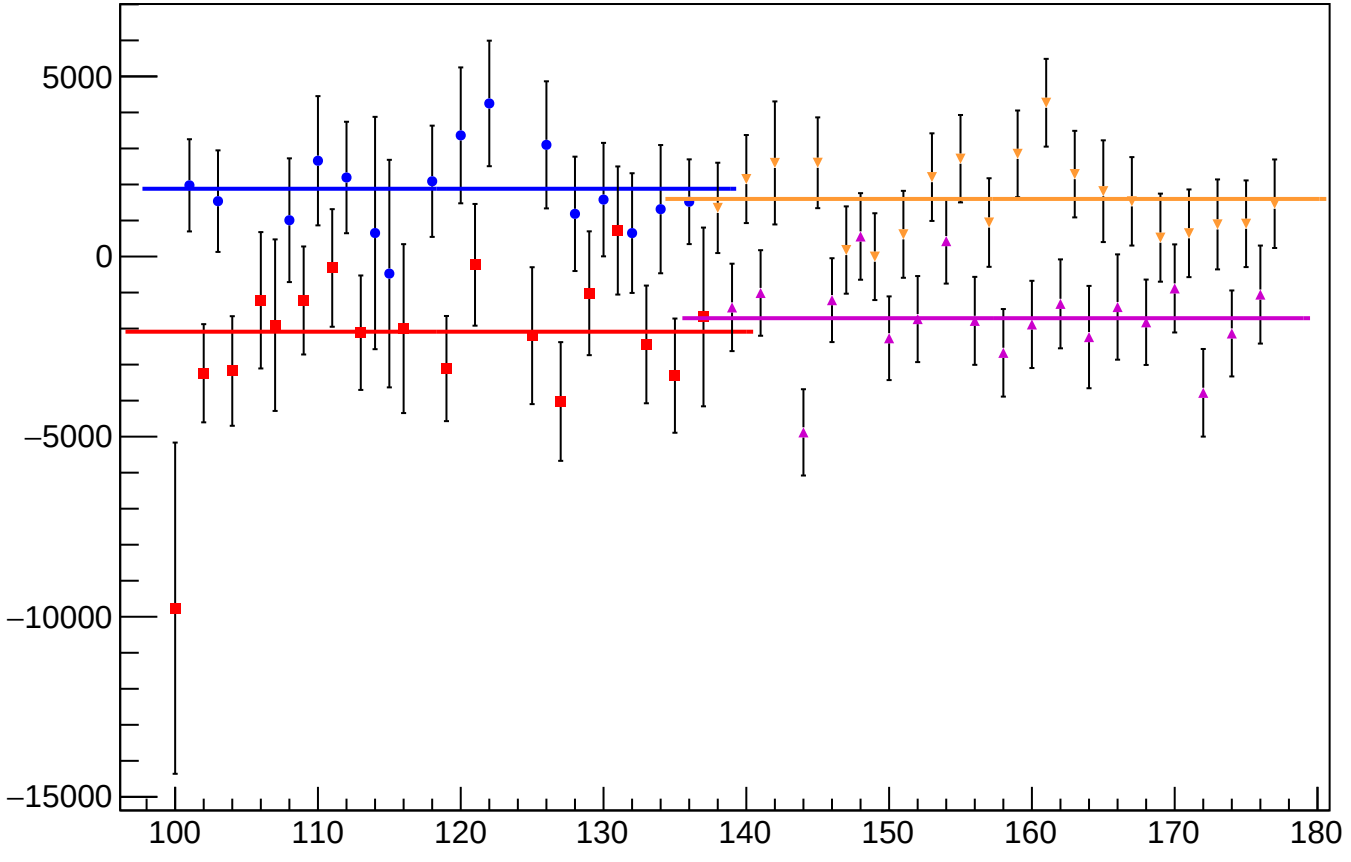
Left In: 1482.246+/-0.270 χ^2/NDF:804854.6/18

+ sign 1175.407+/-0.183 χ^2/NDF: 4406680.1/35

All: 1171.663+/-0.129 χ^2/NDF: 9041609.1/72

- sign 1167.925+/-0.183 χ^2/NDF: 4634090.5/36

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1598.993+/-278.297 χ^2/NDF:14.7/19

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

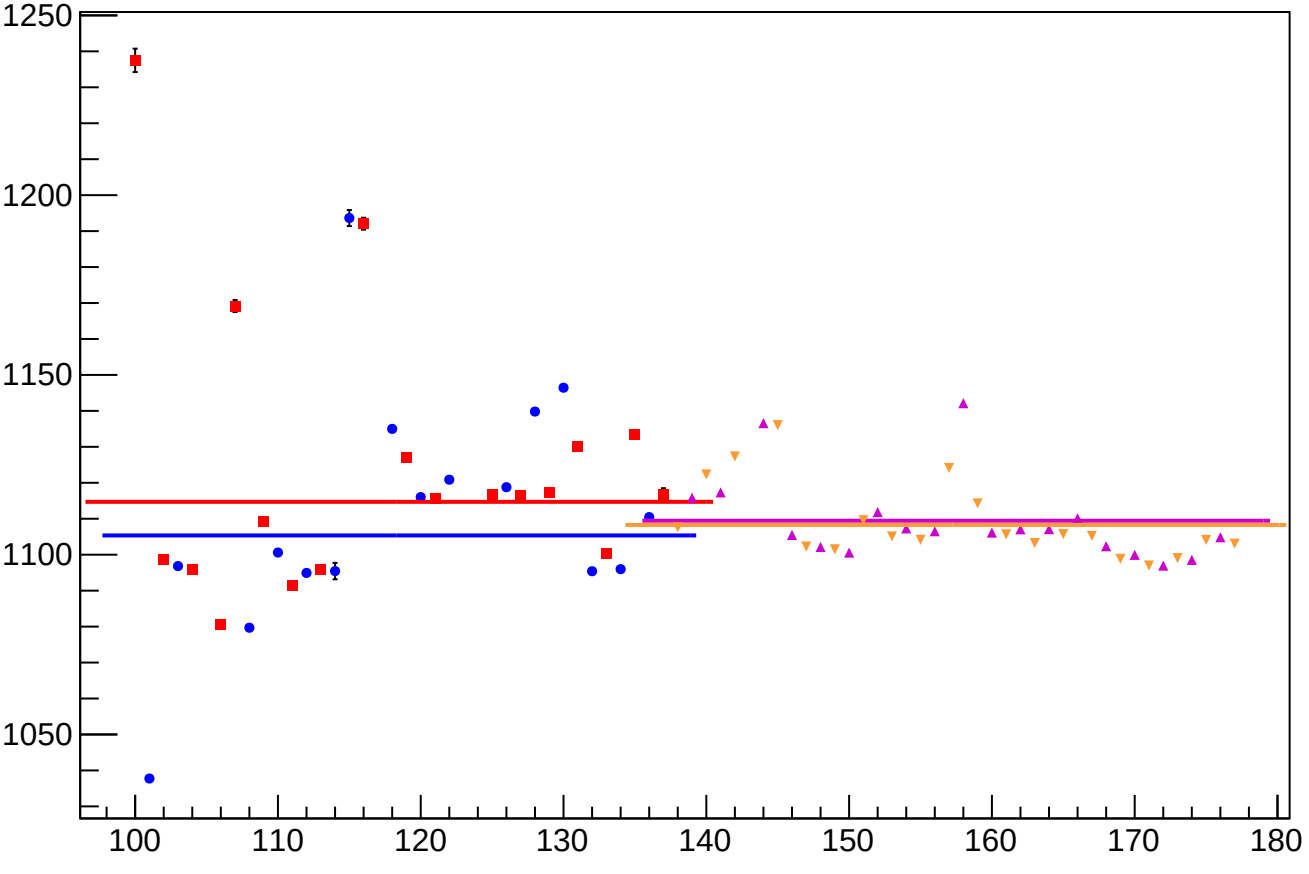
Left In: -1711.783+/-281.442 χ^2/NDF:19.3/18

+ sign 1687.898+/-230.386 χ^2/NDF: 20.2/35

All: -58.237+/-163.537 χ^2/NDF: 168.3/72

- sign -1831.610+/-232.176 χ^2/NDF: 32.3/36

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1108.281+/-0.197 χ^2/NDF:2539.7/19

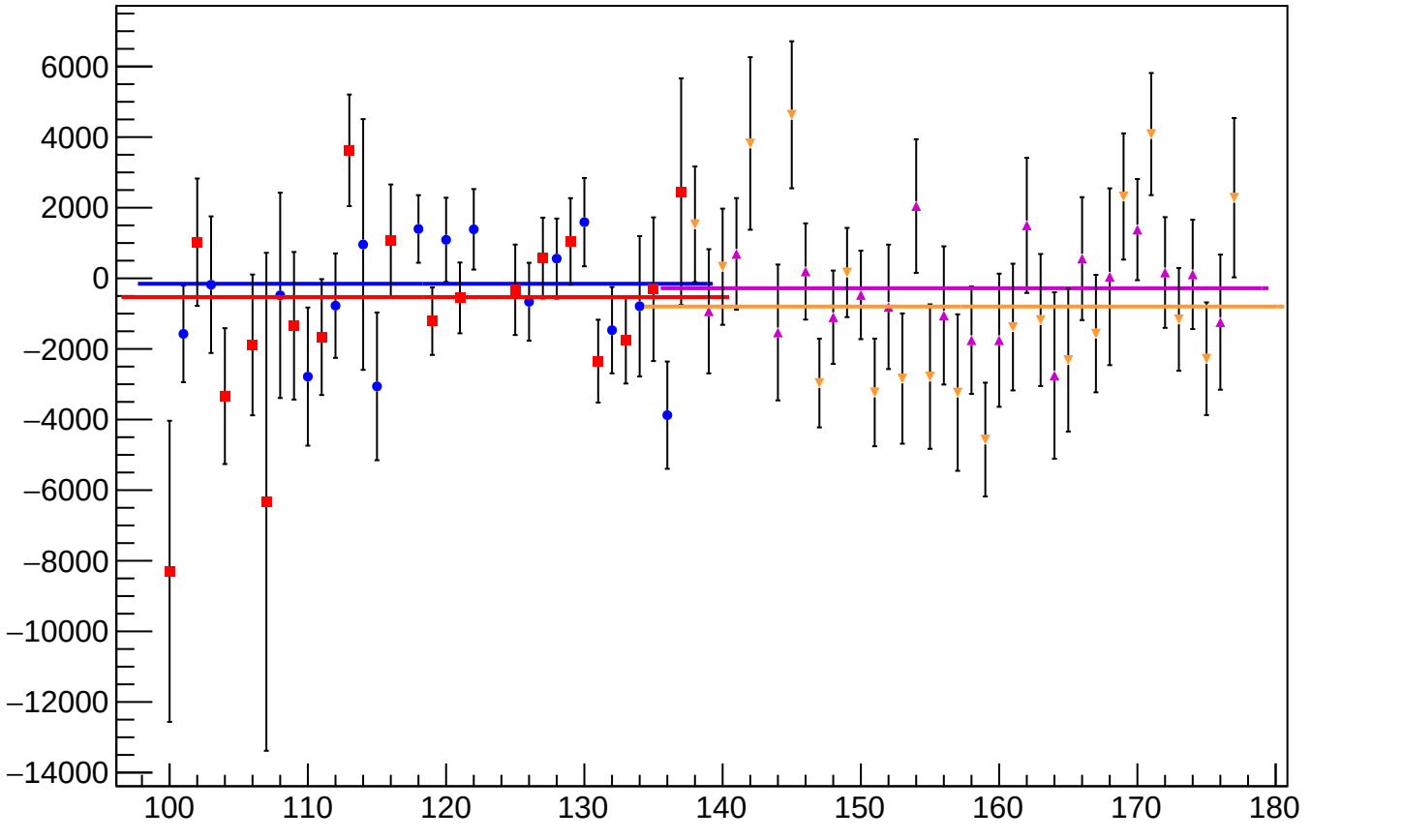
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1109.450+/-0.199 χ^2/NDF:3475.2/18

+ sign 1107.360+/-0.163 χ^2/NDF: 13940.1/35

All: 1109.230+/-0.116 χ^2/NDF: 25233.8/72

- sign 1111.129+/-0.164 χ^2/NDF: 11028.2/36



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

Left Out: -799.175+/-381.786 χ^2/NDF:42.5/19

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

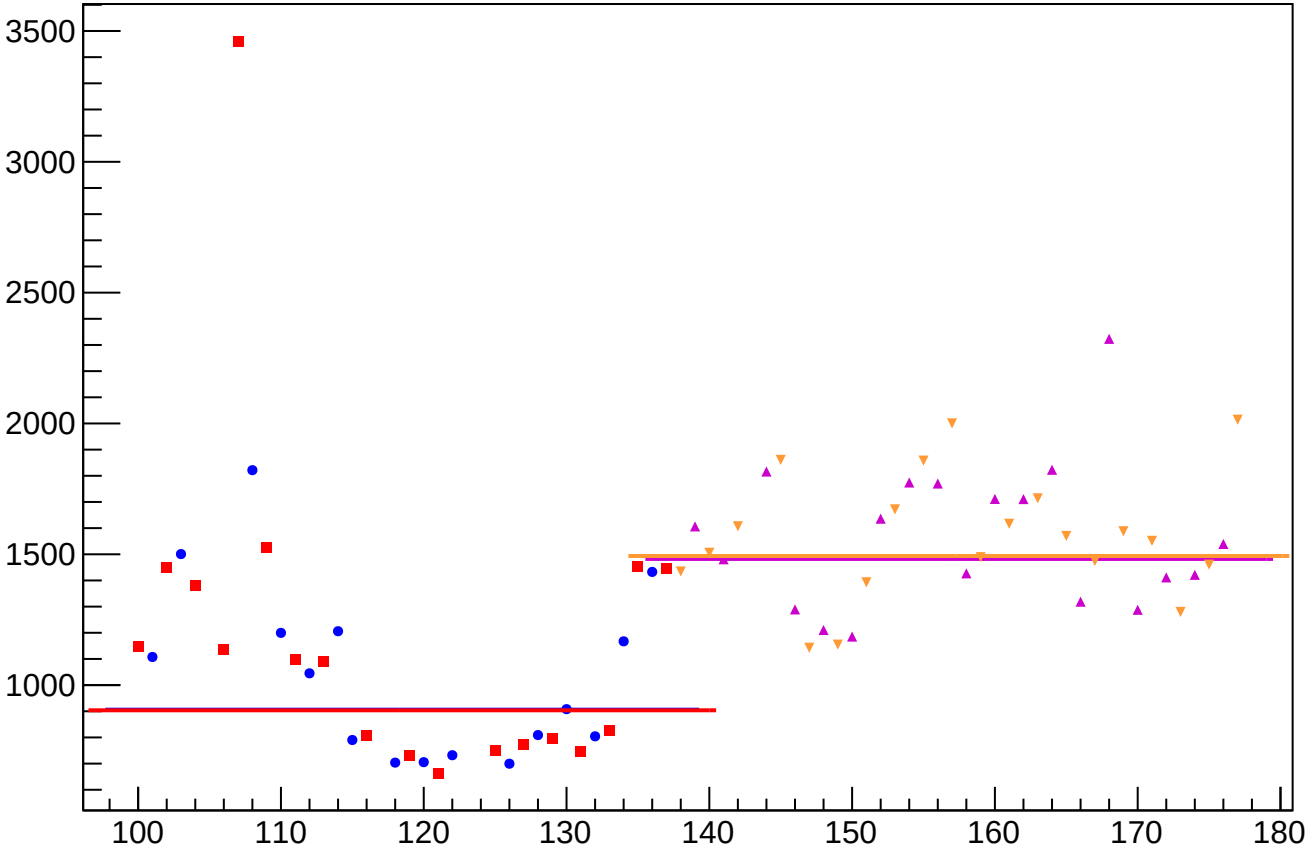
Left In: -281.631+/-382.223 χ^2/NDF:8.7/18

+ sign -449.819+/-258.520 χ^2/NDF: 64.5/35

All: -433.771+/-182.720 χ^2/NDF: 96.7/72

- sign -417.752+/-258.292 χ^2/NDF: 32.2/36

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1493.528+/-0.270 χ^2/NDF:762861.8/19

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

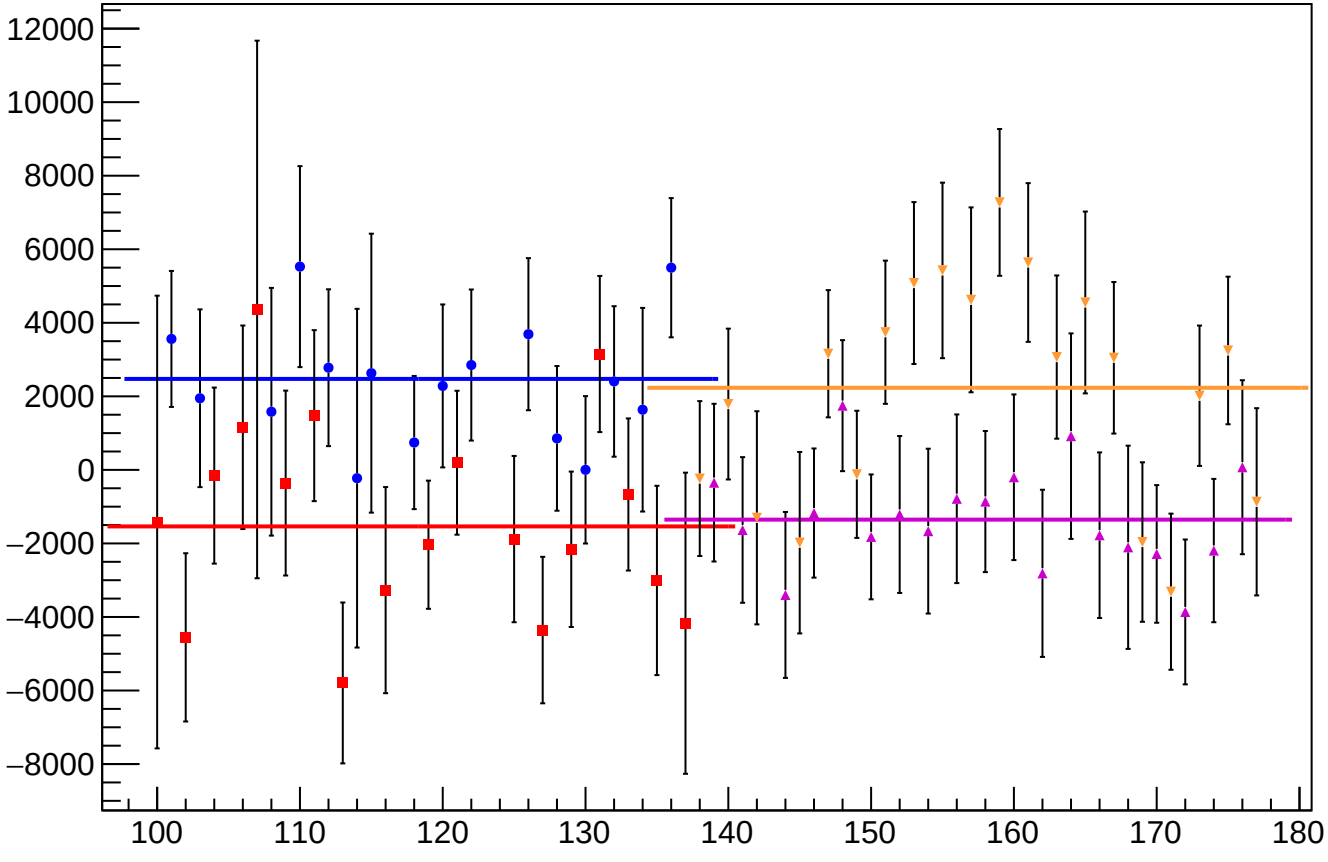
Left In: 1482.248+/-0.270 χ^2/NDF:804851.3/18

+ sign 1175.406+/-0.183 χ^2/NDF: 4406714.5/35

All: 1171.662+/-0.129 χ^2/NDF: 9041676.8/72

- sign 1167.924+/-0.183 χ^2/NDF: 4634123.9/36

asym_usl_mean vs Slug



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

Left Out: 2233.073+/-476.825 χ^2/NDF:35.3/19

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

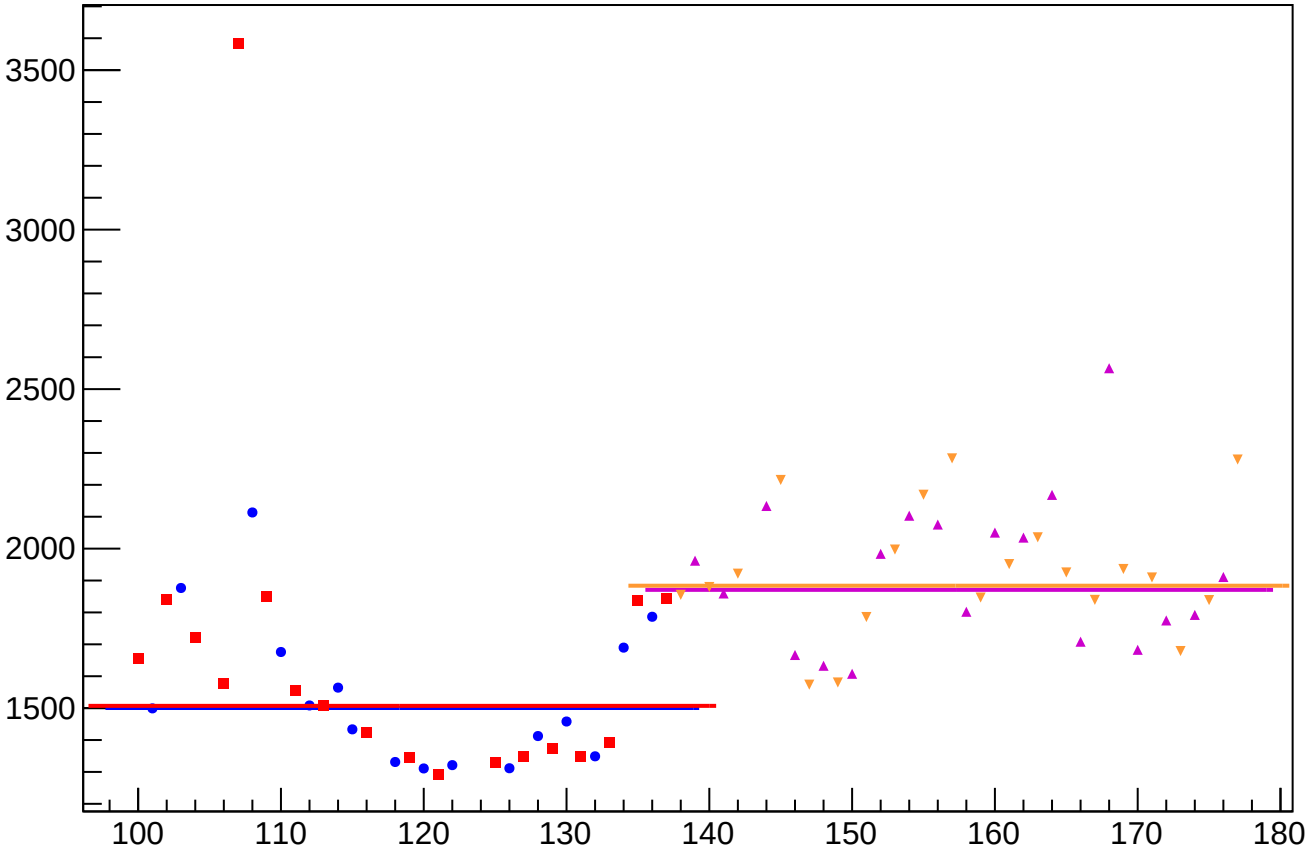
Left In: -1352.877+/-478.487 χ^2/NDF:8.2/18

+ sign 2333.776+/-363.806 χ^2/NDF: 43.6/35

All: 456.664+/-257.583 χ^2/NDF: 123.8/72

- sign -1430.189+/-364.749 χ^2/NDF: 26.8/36

asym_usl_rms vs Slug



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

Left Out: 1883.754+/-0.337 χ^2/NDF:339319.5/19

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

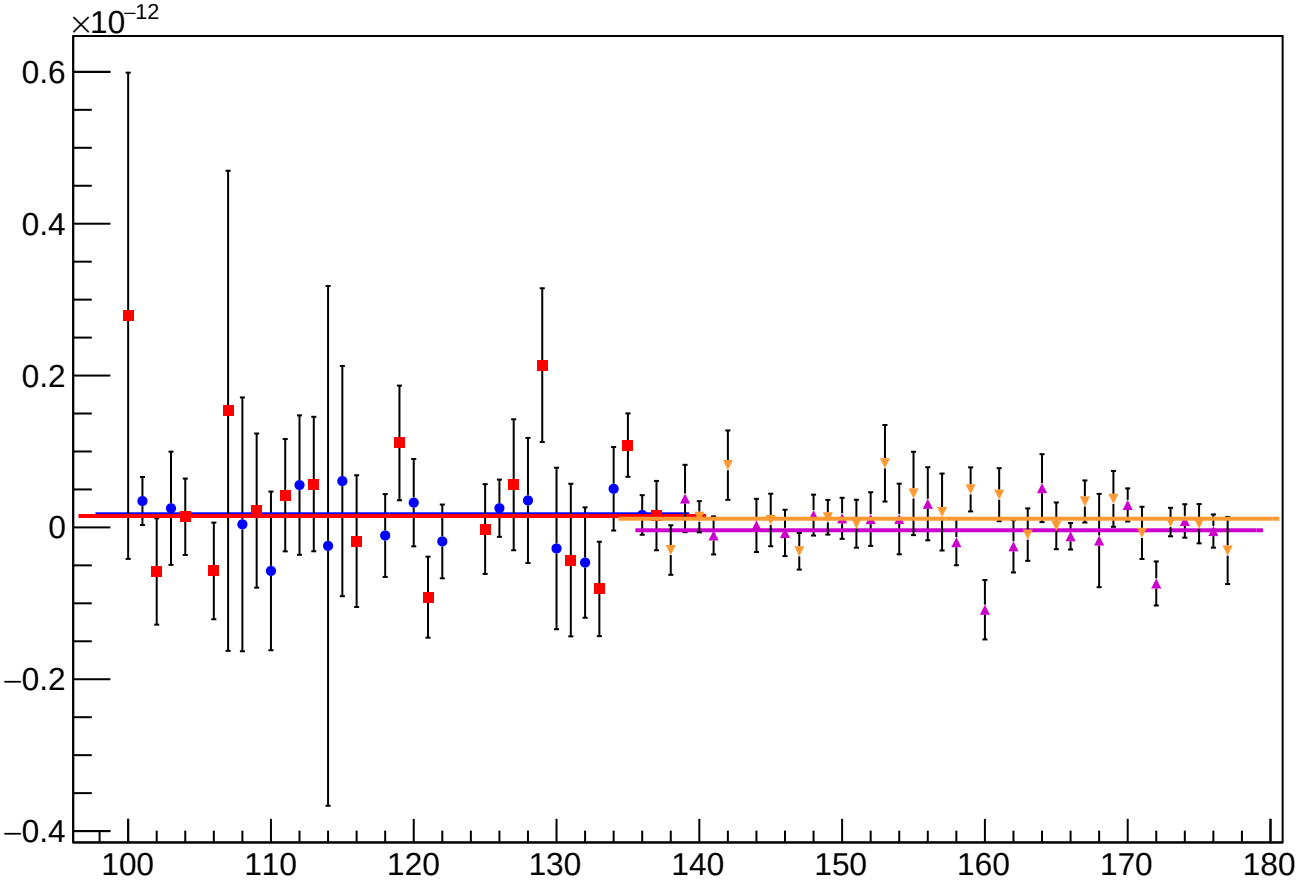
Left In: 1870.767+/-0.338 χ^2/NDF:398597.9/18

+ sign 1723.553+/-0.257 χ^2/NDF: 1138370.0/35

All: 1720.996+/-0.182 χ^2/NDF: 2422362.9/72

- sign 1718.425+/-0.258 χ^2/NDF: 1283794.8/36

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:15.3/19

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

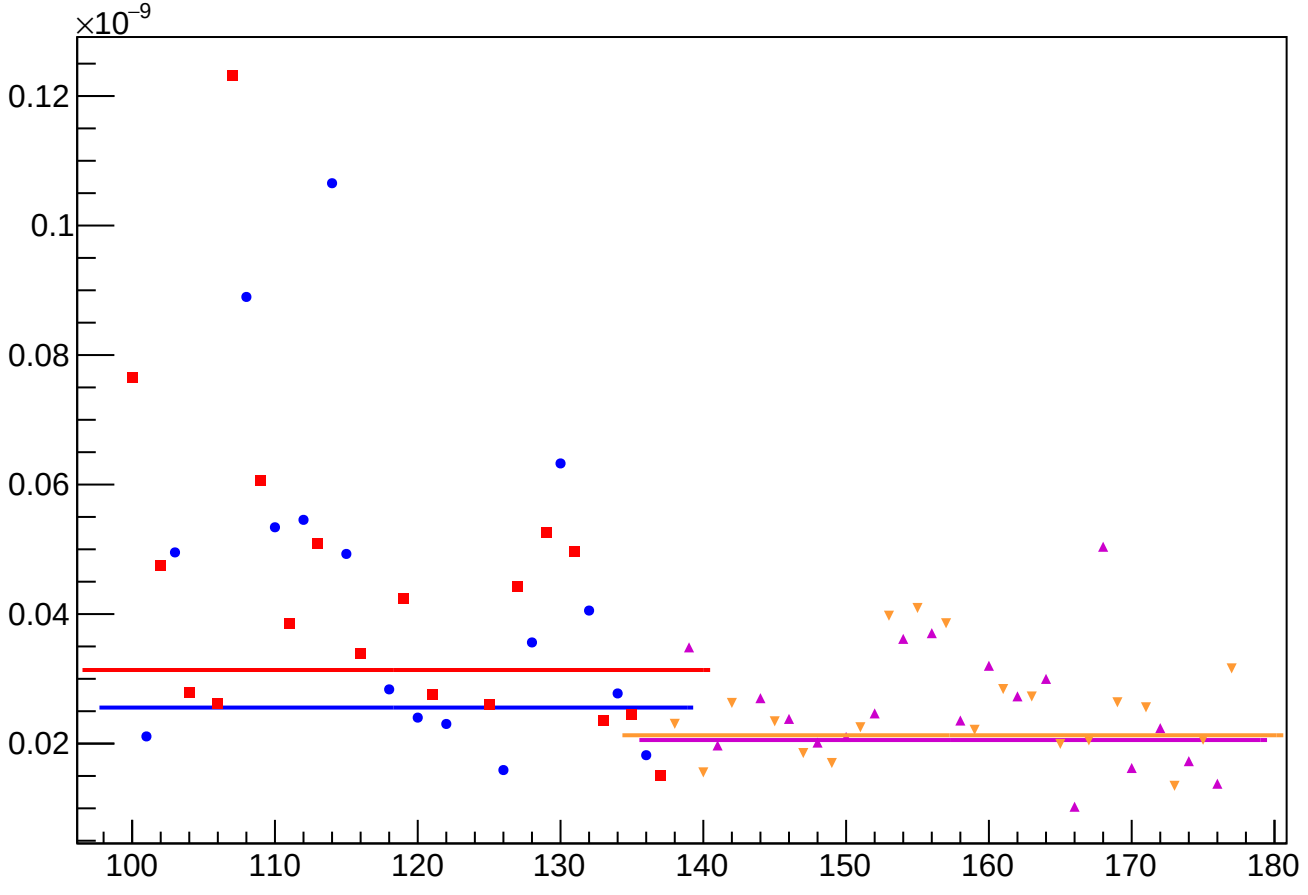
Left In: -0.000+/-0.000 χ^2/NDF:20.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 18.8/35

All: 0.000+/-0.000 χ^2/NDF: 64.5/72

- sign -0.000+/-0.000 χ^2/NDF: 43.2/36

asym_usl_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:1726892.3/19

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

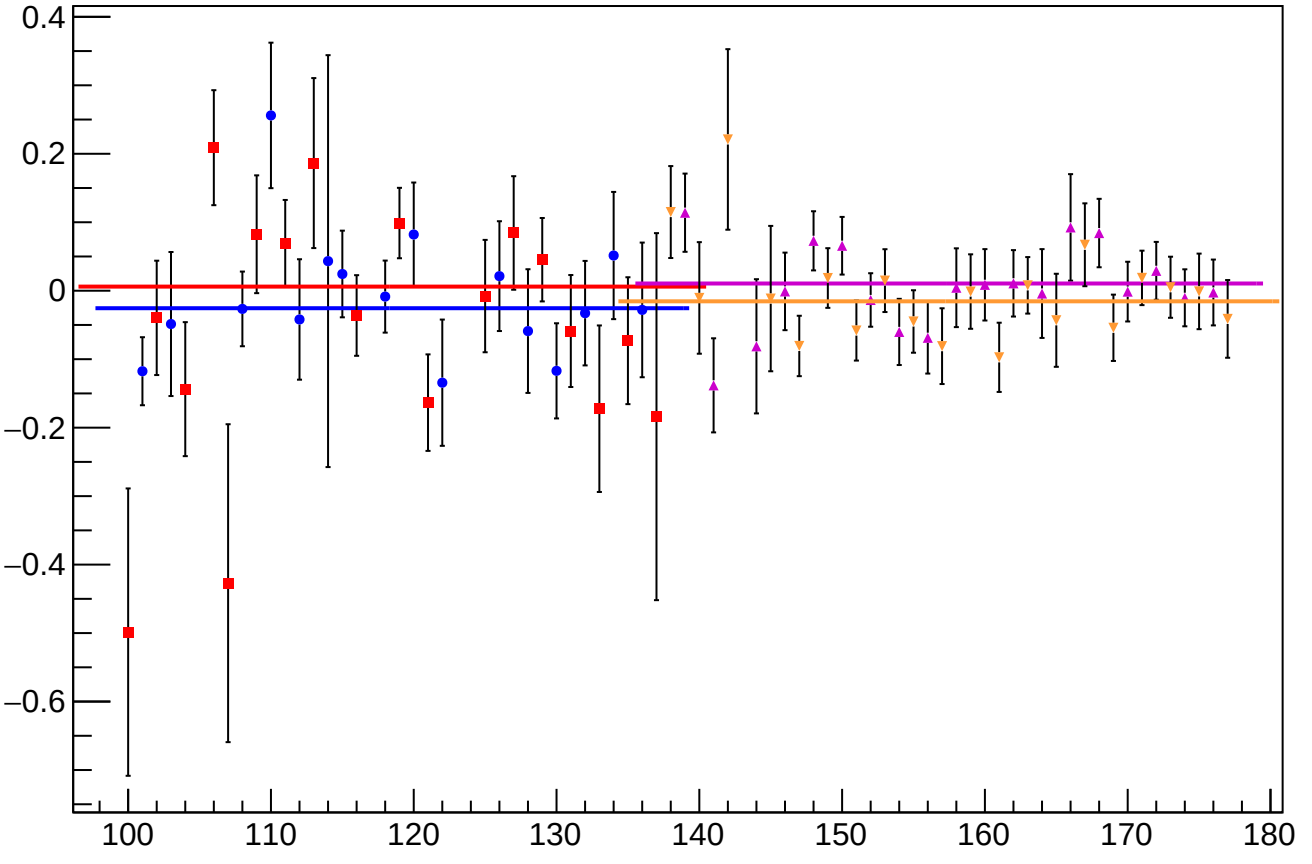
Left In: 0.000+/-0.000 χ^2/NDF:2637717.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 3594942.8/35

All: 0.000+/-0.000 χ^2/NDF: 8231844.6/72

- sign 0.000+/-0.000 χ^2/NDF: 4636900.5/36

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

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

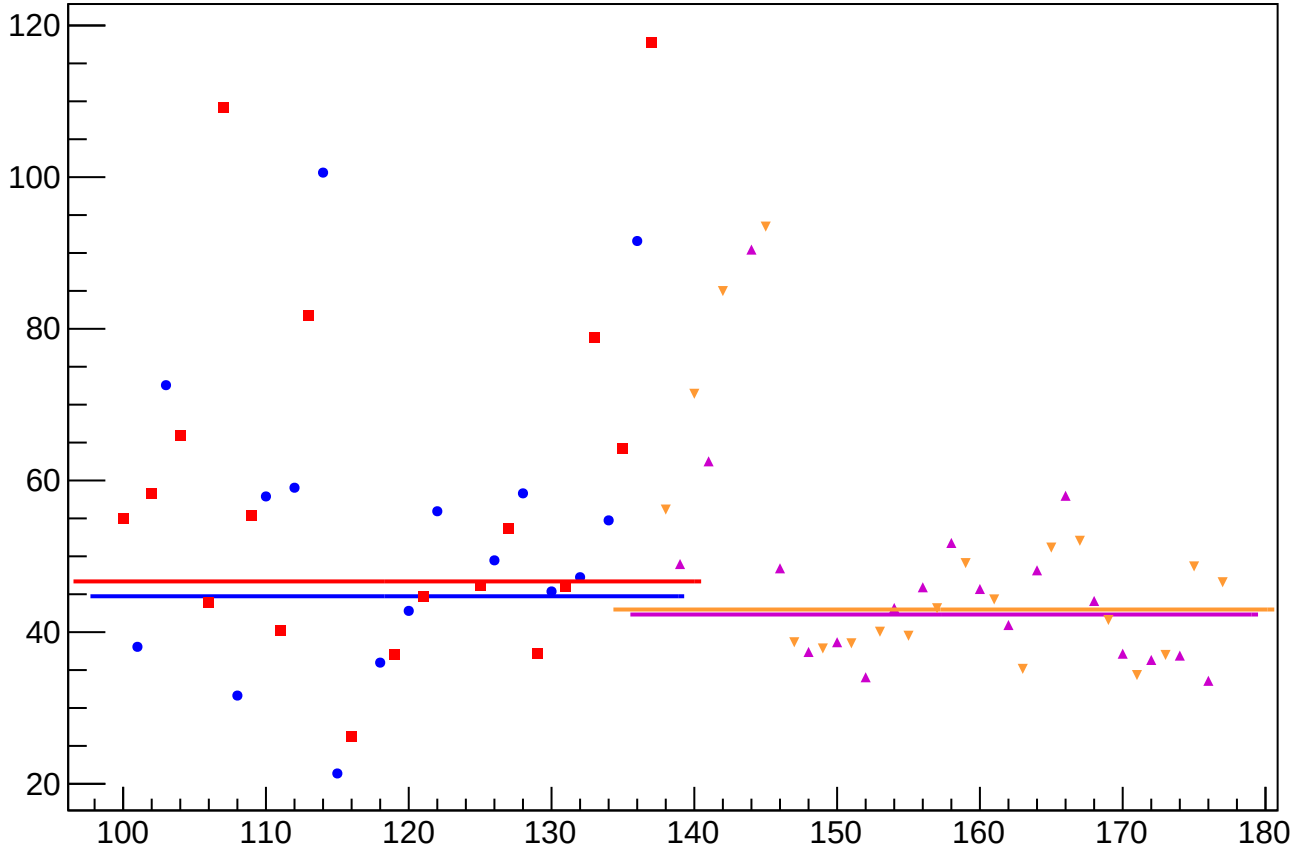
Left In: 0.011+/-0.012 χ^2/NDF:21.4/18

+ sign -0.018+/-0.010 χ^2/NDF: 37.7/35

All: -0.005+/-0.007 χ^2/NDF: 99.6/72

- sign 0.009+/-0.010 χ^2/NDF: 58.0/36

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 42.986+/-0.008 χ^2/NDF:1397378.8/19

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

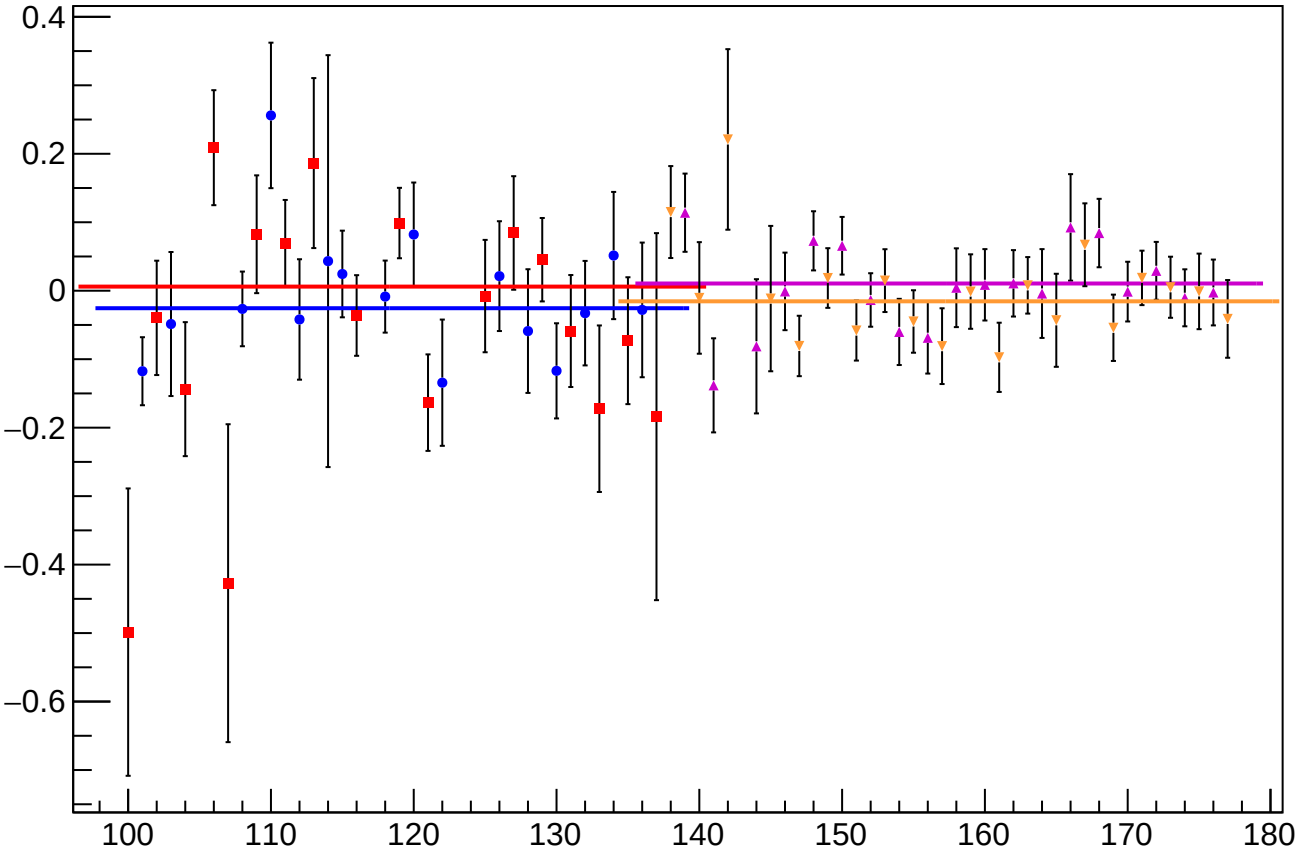
Left In: 42.326+/-0.008 χ^2/NDF:1178244.6/18

+ sign 43.472+/-0.007 χ^2/NDF: 2744428.0/35

All: 43.472+/-0.005 χ^2/NDF: 5192863.8/72

- sign 43.471+/-0.007 χ^2/NDF: 2448435.7/36

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

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

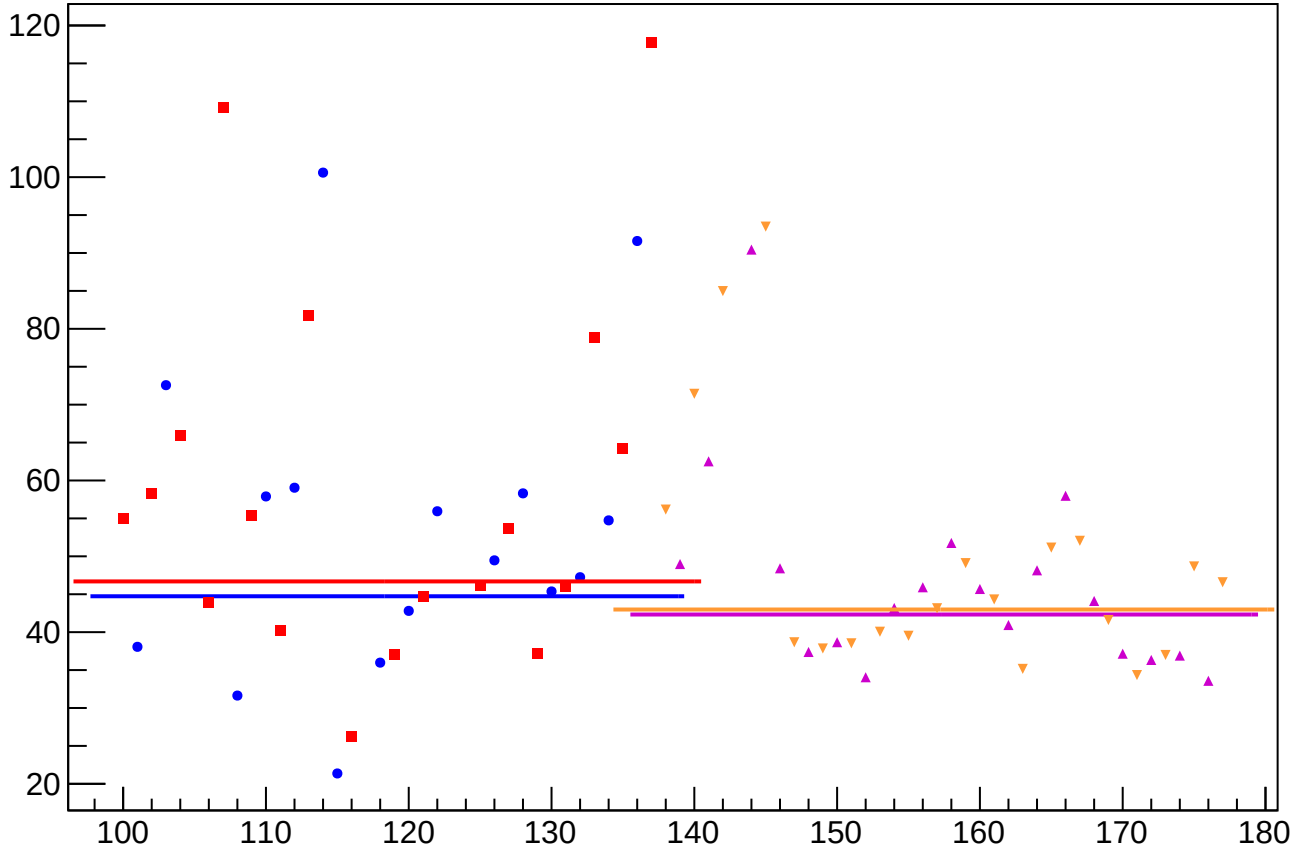
Left In: 0.011+/-0.012 χ^2/NDF:21.4/18

+ sign -0.018+/-0.010 χ^2/NDF: 37.7/35

All: -0.005+/-0.007 χ^2/NDF: 99.6/72

- sign 0.009+/-0.010 χ^2/NDF: 58.0/36

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 42.986+/-0.008 χ^2/NDF:1397378.8/19

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

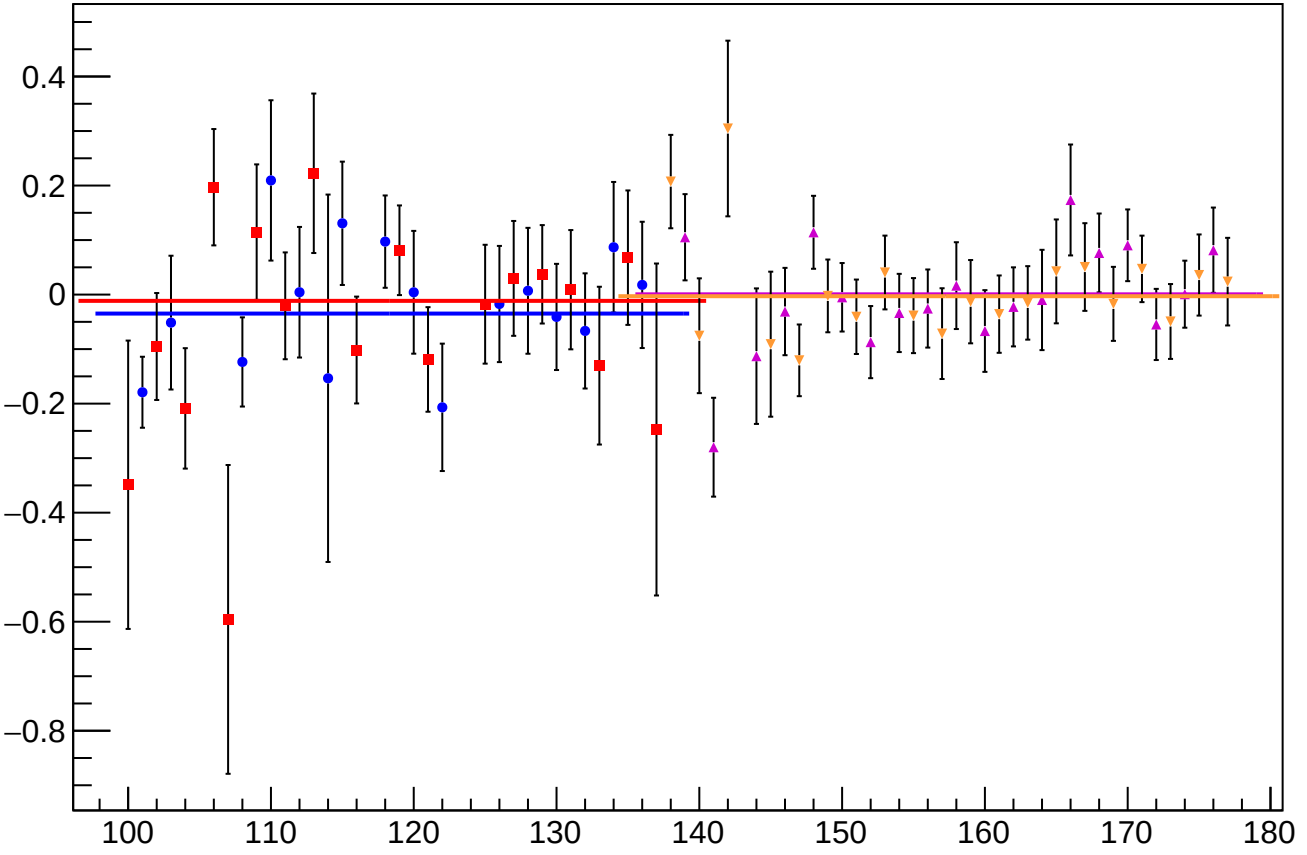
Left In: 42.326+/-0.008 χ^2/NDF:1178244.6/18

+ sign 43.472+/-0.007 χ^2/NDF: 2744428.0/35

All: 43.472+/-0.005 χ^2/NDF: 5192863.8/72

- sign 43.471+/-0.007 χ^2/NDF: 2448435.7/36

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.003+/-0.017 χ^2/NDF:17.9/19

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

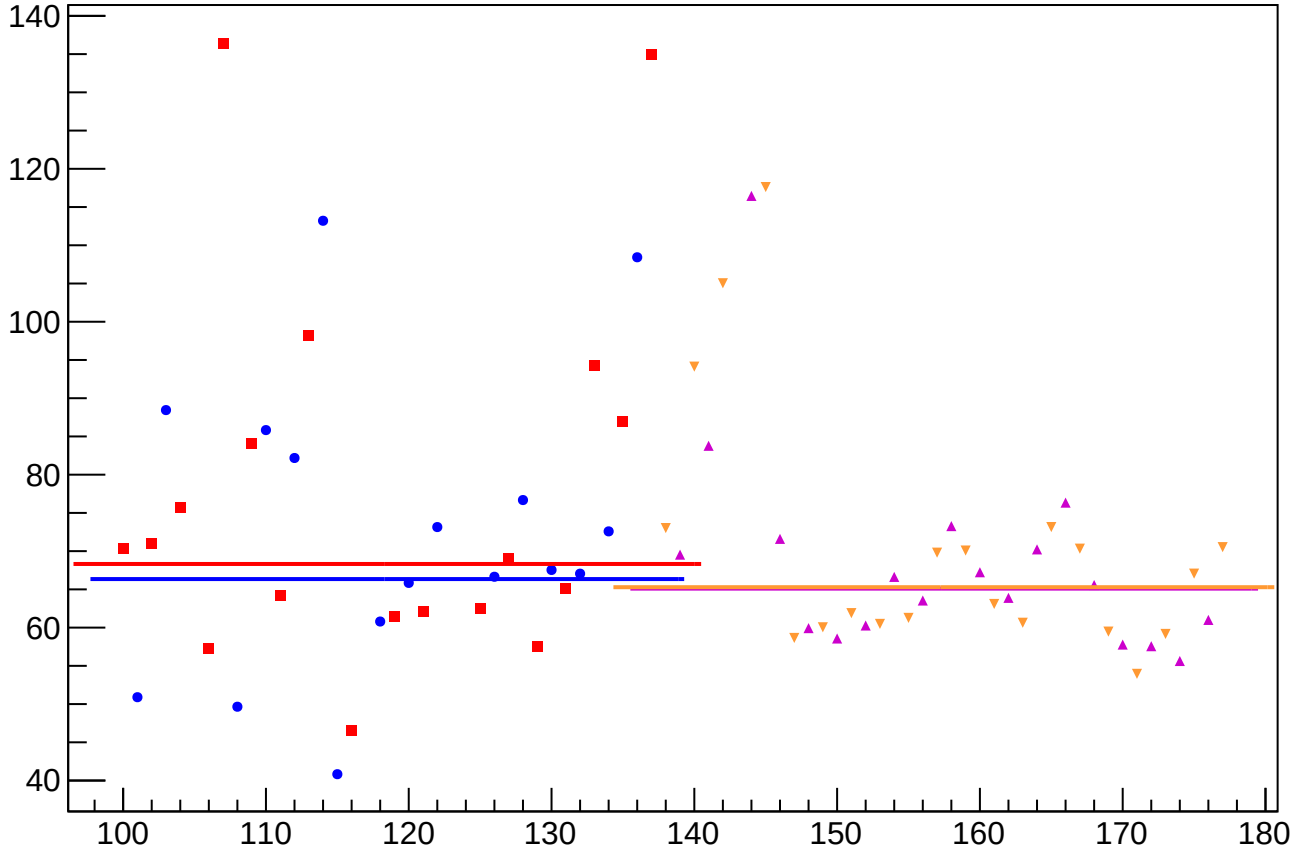
Left In: 0.000+/-0.017 χ^2/NDF:25.9/18

+ sign -0.012+/-0.014 χ^2/NDF: 36.4/35

All: -0.008+/-0.010 χ^2/NDF: 85.5/72

- sign -0.003+/-0.014 χ^2/NDF: 48.8/36

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 65.284+/-0.012 χ^2/NDF:808096.2/19

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

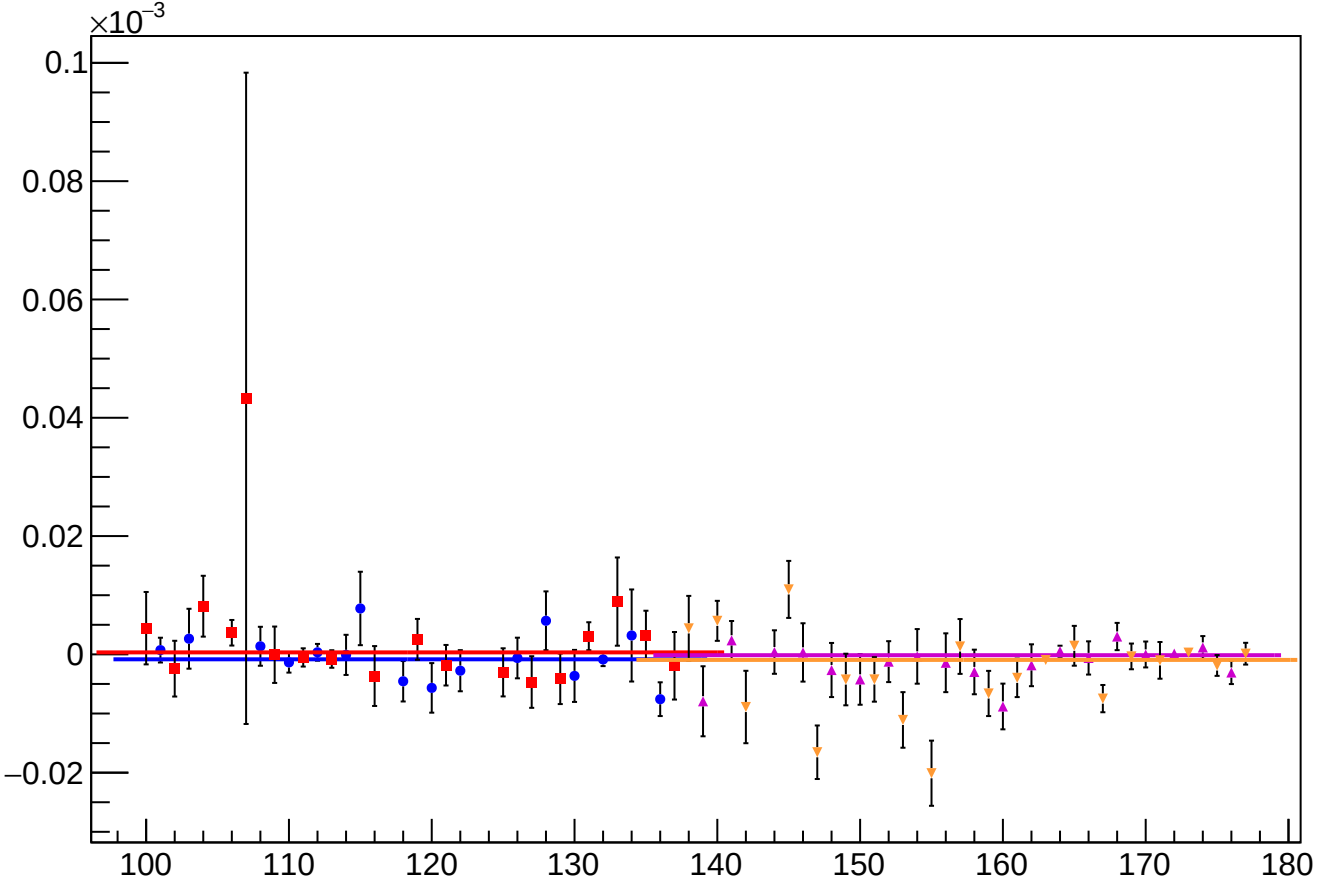
Left In: 65.099+/-0.012 χ^2/NDF:650075.7/18

+ sign 65.598+/-0.010 χ^2/NDF: 1583062.8/35

All: 65.810+/-0.007 χ^2/NDF: 2884144.1/72

- sign 66.026+/-0.010 χ^2/NDF: 1300193.0/36

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:58.4/19

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

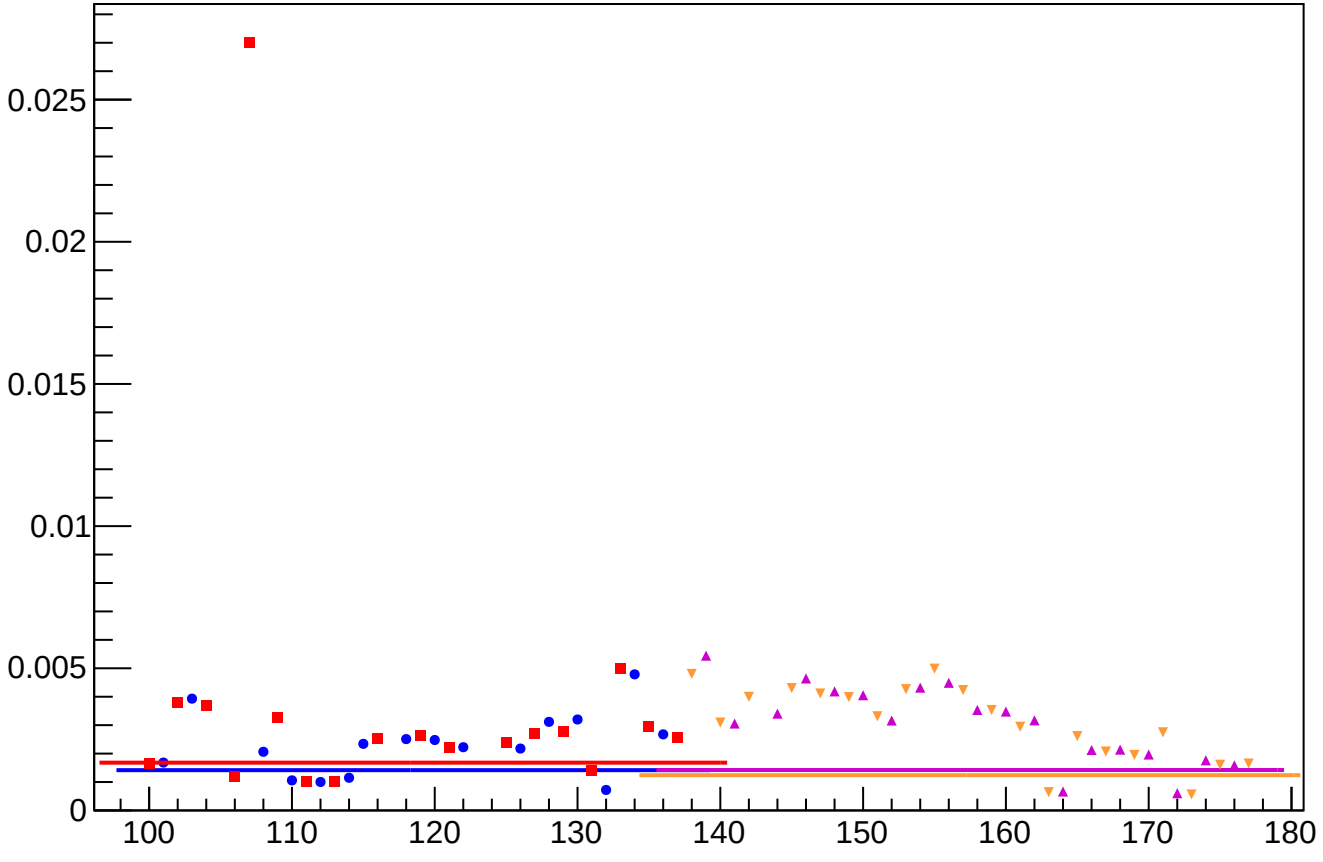
Left In: -0.000+/-0.000 χ^2/NDF:14.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 73.5/35

All: -0.000+/-0.000 χ^2/NDF: 106.3/72

- sign 0.000+/-0.000 χ^2/NDF: 29.9/36

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:13363320.4/19

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

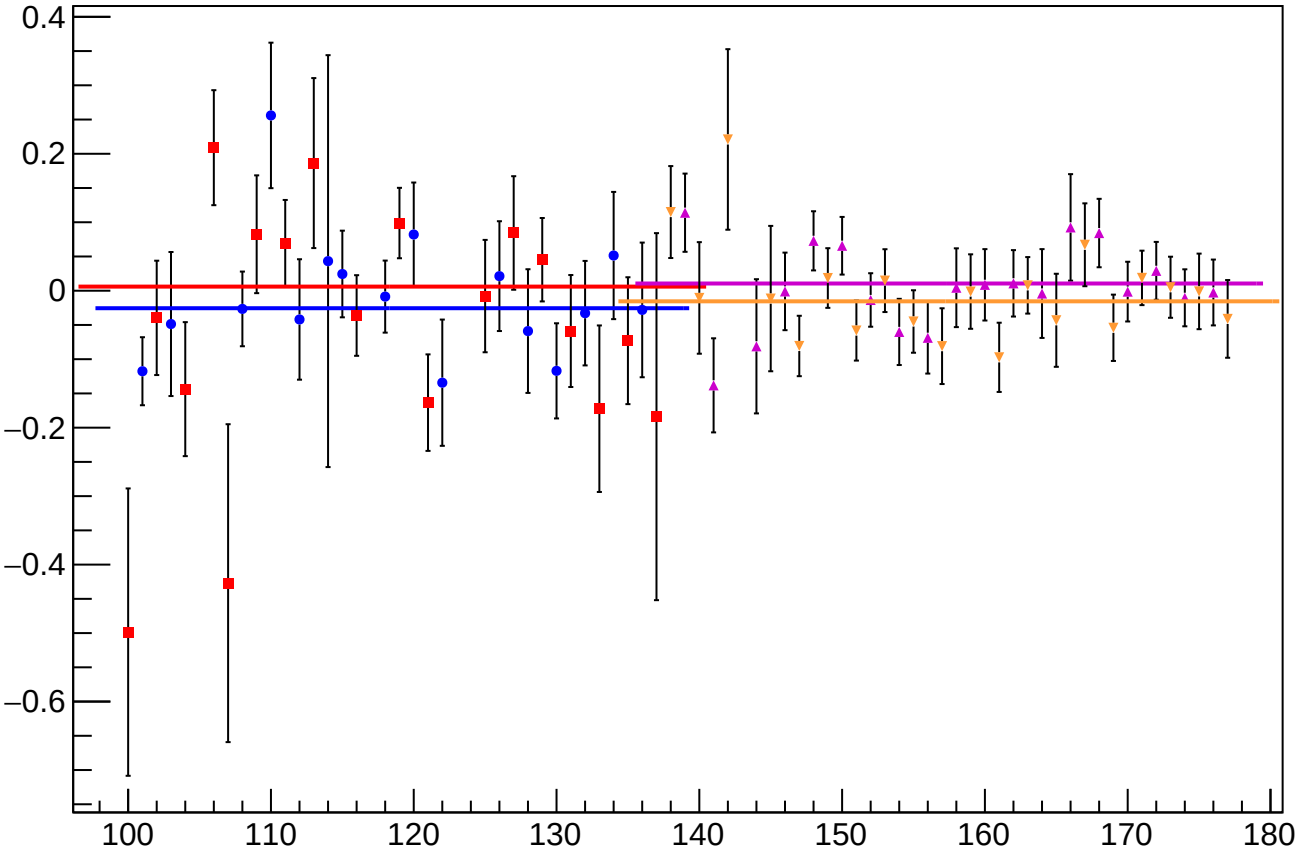
Left In: 0.001+/-0.000 χ^2/NDF:11975310.1/18

+ sign 0.001+/-0.000 χ^2/NDF: 17022551.6/35

All: 0.001+/-0.000 χ^2/NDF: 32901875.6/72

- sign 0.001+/-0.000 χ^2/NDF: 15582279.4/36

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

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

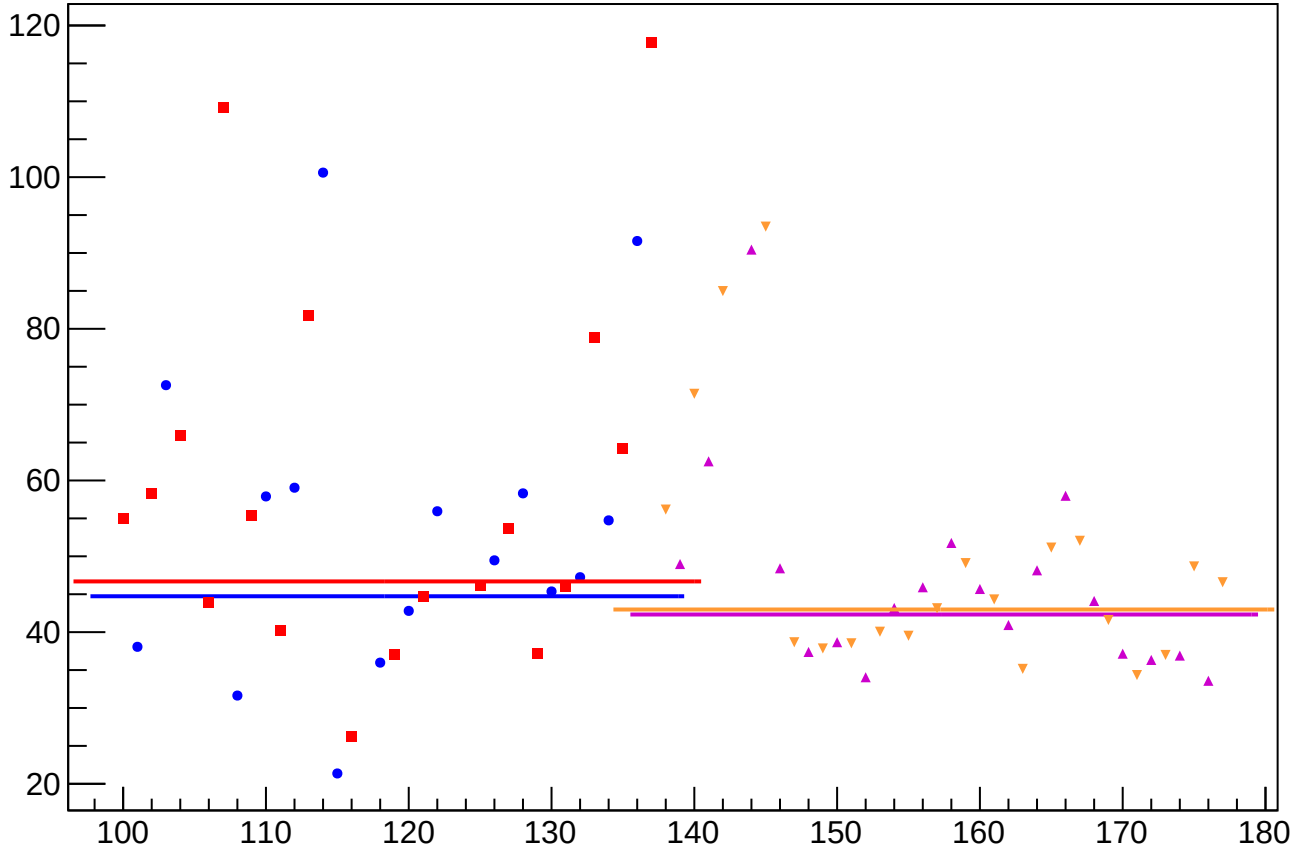
Left In: 0.011+/-0.012 χ^2/NDF:21.4/18

+ sign -0.018+/-0.010 χ^2/NDF: 37.7/35

All: -0.005+/-0.007 χ^2/NDF: 99.6/72

- sign 0.009+/-0.010 χ^2/NDF: 58.0/36

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 42.986+/-0.008 χ^2/NDF:1397346.5/19

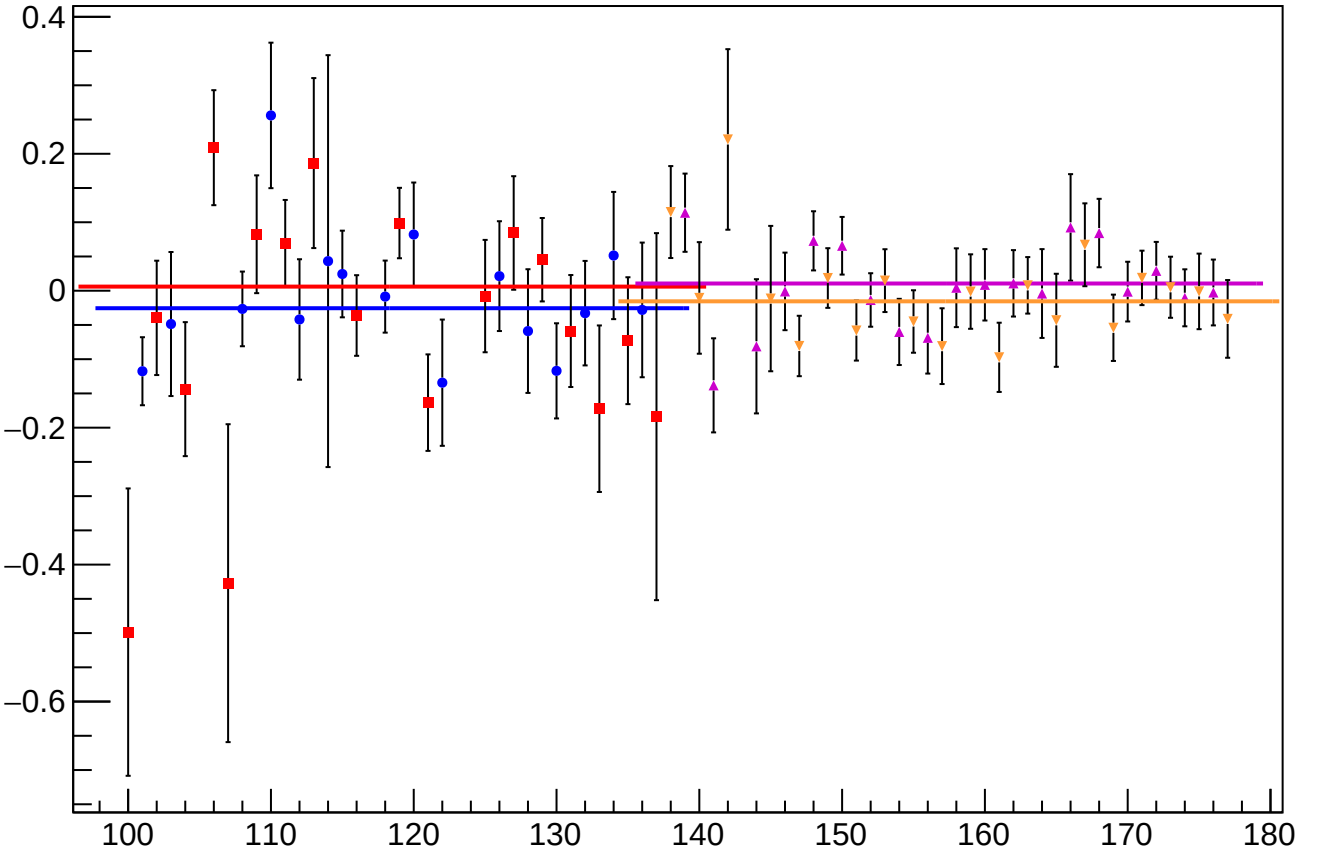
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.327+/-0.008 χ^2/NDF:1178189.5/18

+ sign 43.472+/-0.007 χ^2/NDF: 2744442.5/35

All: 43.472+/-0.005 χ^2/NDF: 5192820.9/72

- sign 43.471+/-0.007 χ^2/NDF: 2448378.5/36



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

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

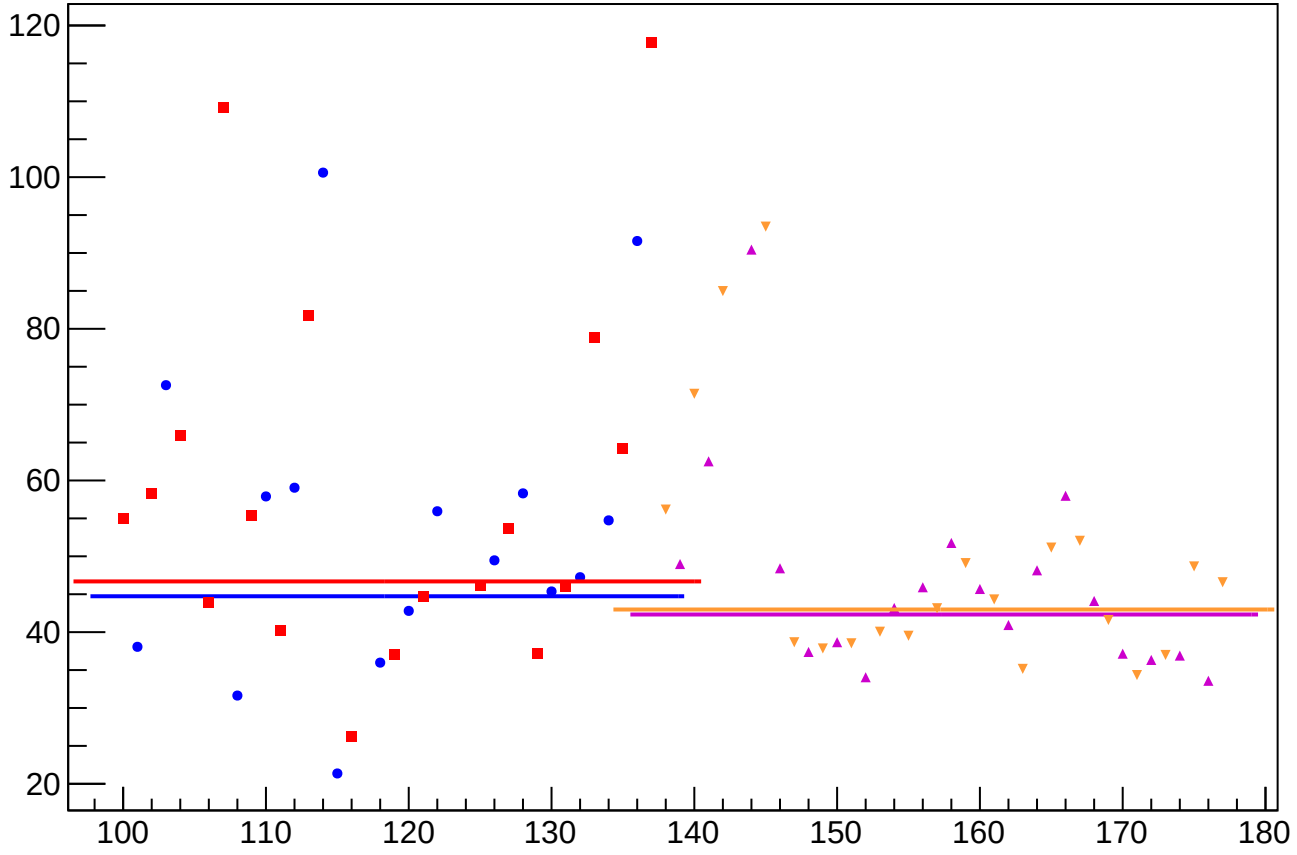
Left In: 0.011+/-0.012 χ^2/NDF:21.4/18

+ sign -0.018+/-0.010 χ^2/NDF: 37.7/35

All: -0.005+/-0.007 χ^2/NDF: 99.6/72

- sign 0.009+/-0.010 χ^2/NDF: 58.0/36

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 42.986+/-0.008 χ^2/NDF:1397346.5/19

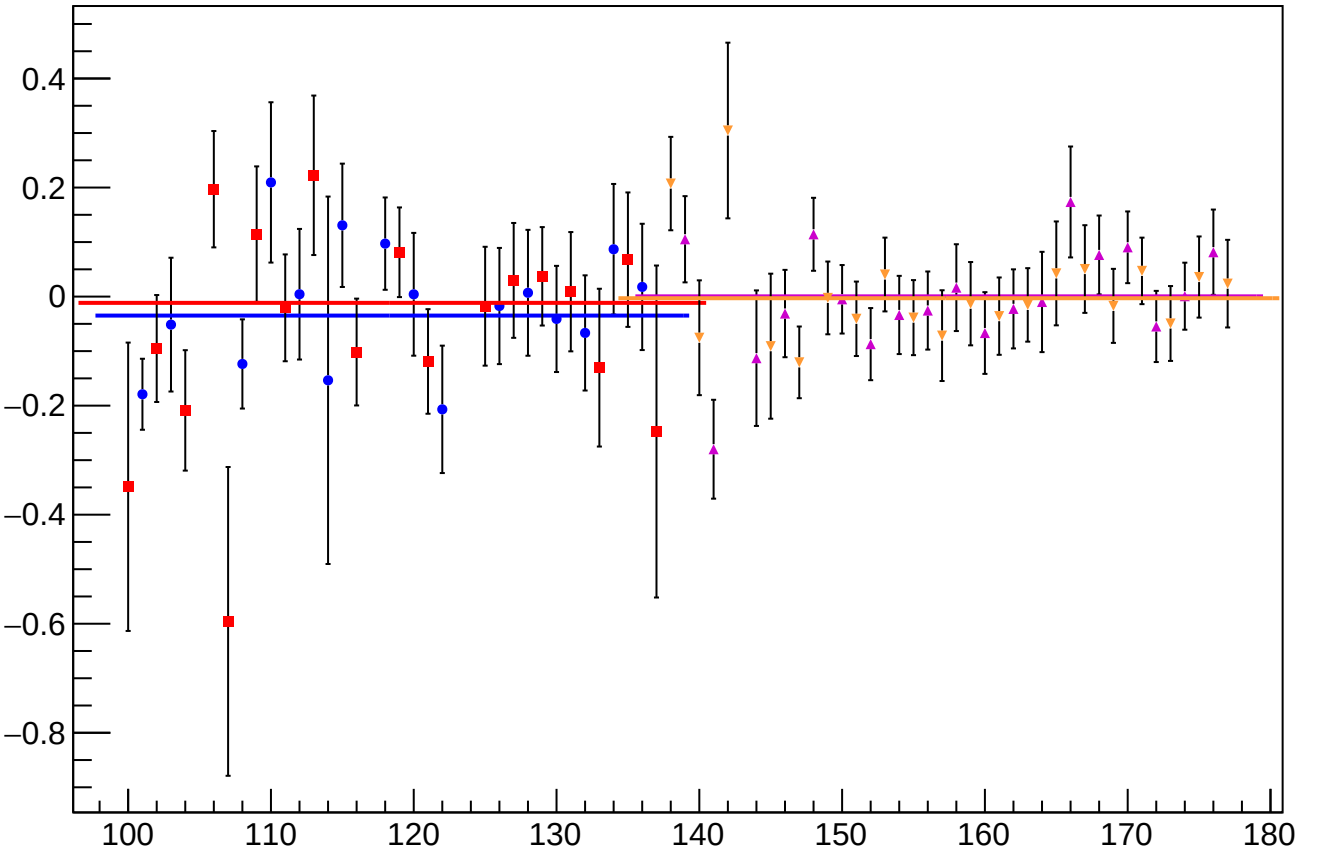
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.327+/-0.008 χ^2/NDF:1178189.5/18

+ sign 43.472+/-0.007 χ^2/NDF: 2744442.5/35

All: 43.472+/-0.005 χ^2/NDF: 5192820.9/72

- sign 43.471+/-0.007 χ^2/NDF: 2448378.5/36



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

Left Out: -0.003+/-0.017 χ^2/NDF:17.9/19

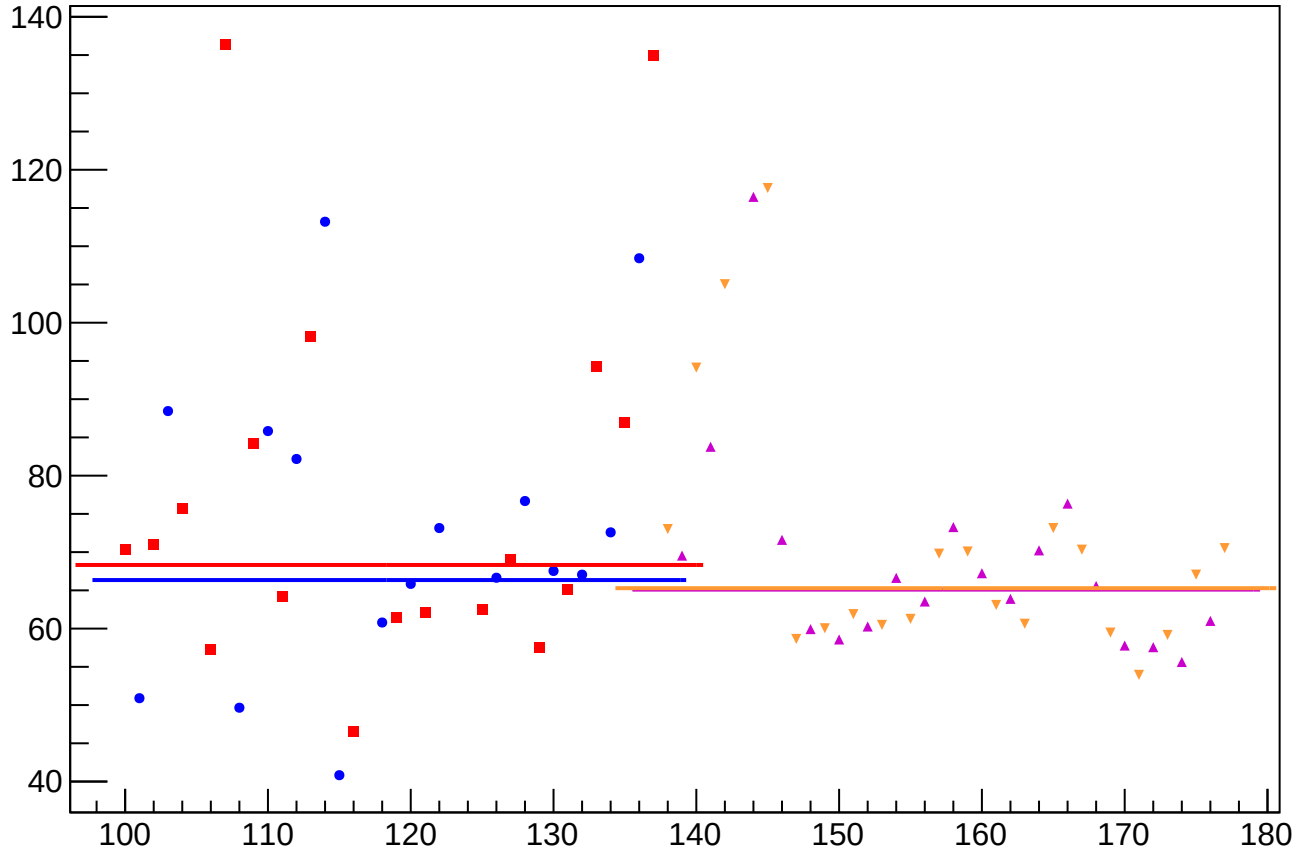
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.000+/-0.017 χ^2/NDF:25.9/18

+ sign -0.012+/-0.014 χ^2/NDF: 36.4/35

All: -0.008+/-0.010 χ^2/NDF: 85.5/72

- sign -0.003+/-0.014 χ^2/NDF: 48.8/36



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.284+/-0.012 χ^2/NDF:808084.1/19

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

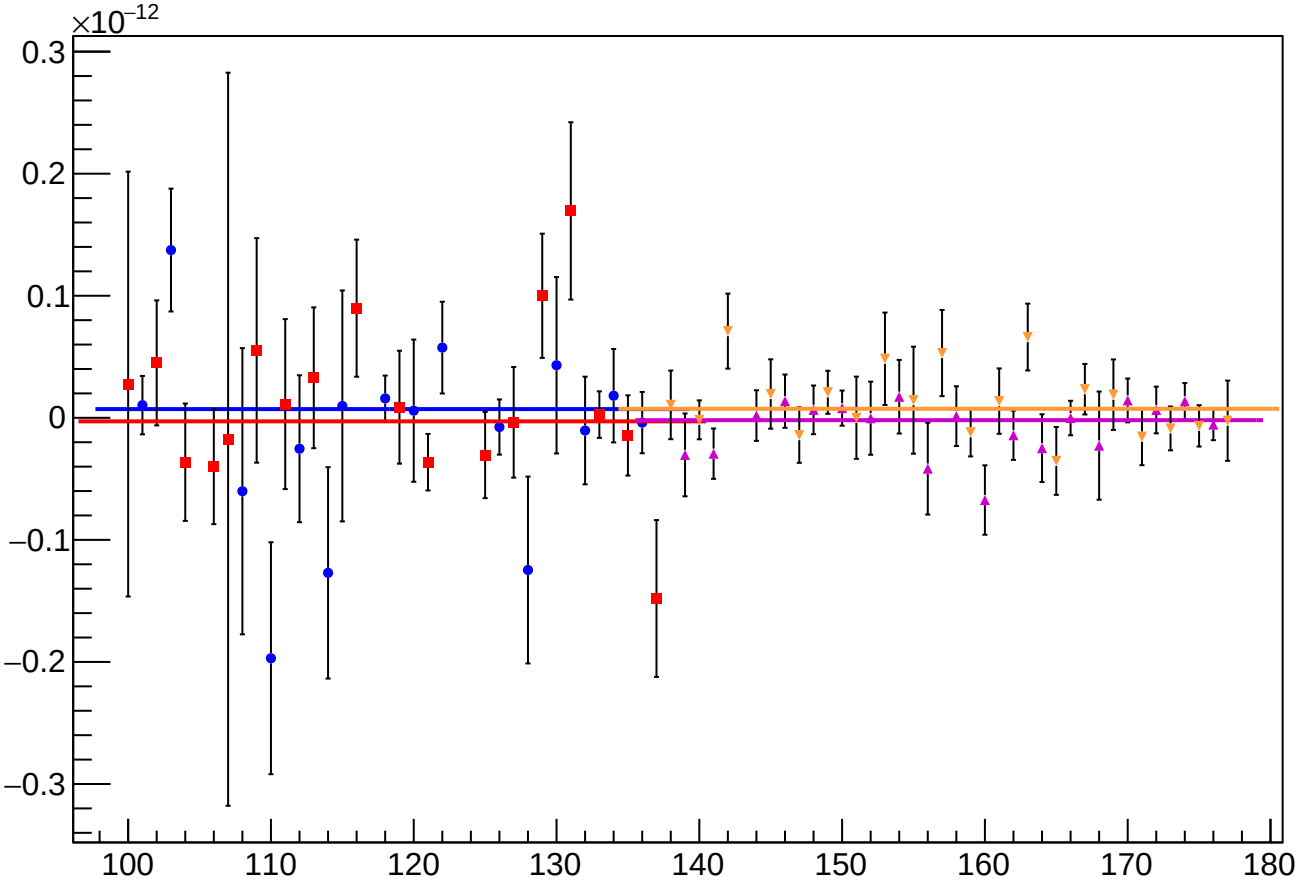
Left In: 65.099+/-0.012 χ^2/NDF:650065.1/18

+ sign 65.598+/-0.010 χ^2/NDF: 1583055.3/35

All: 65.810+/-0.007 χ^2/NDF: 2884111.3/72

- sign 66.026+/-0.010 χ^2/NDF: 1300167.7/36

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:20.5/19

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

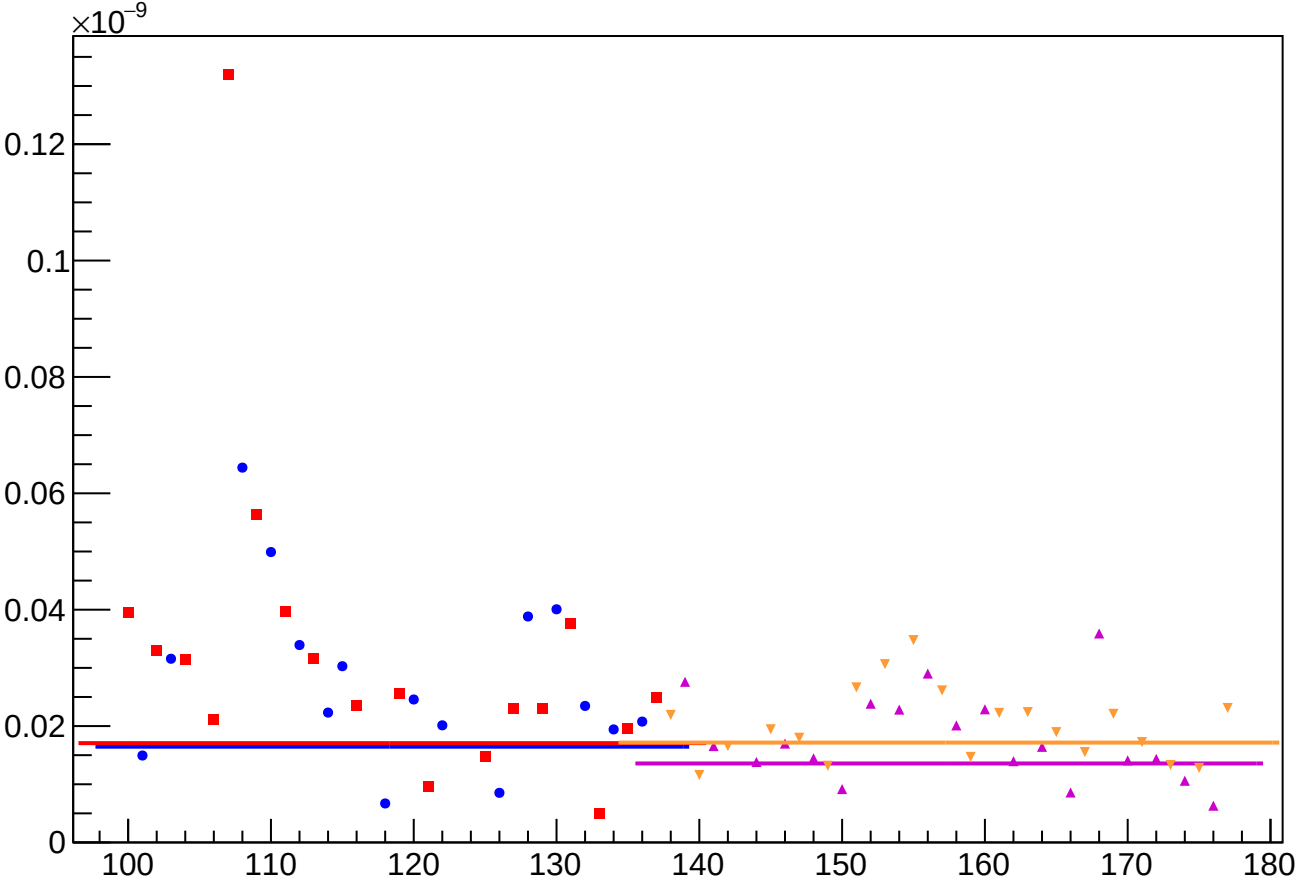
Left In: -0.000+/-0.000 χ^2/NDF:14.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/35

All: 0.000+/-0.000 χ^2/NDF: 80.5/72

- sign -0.000+/-0.000 χ^2/NDF: 37.3/36

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:1829115.3/19

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

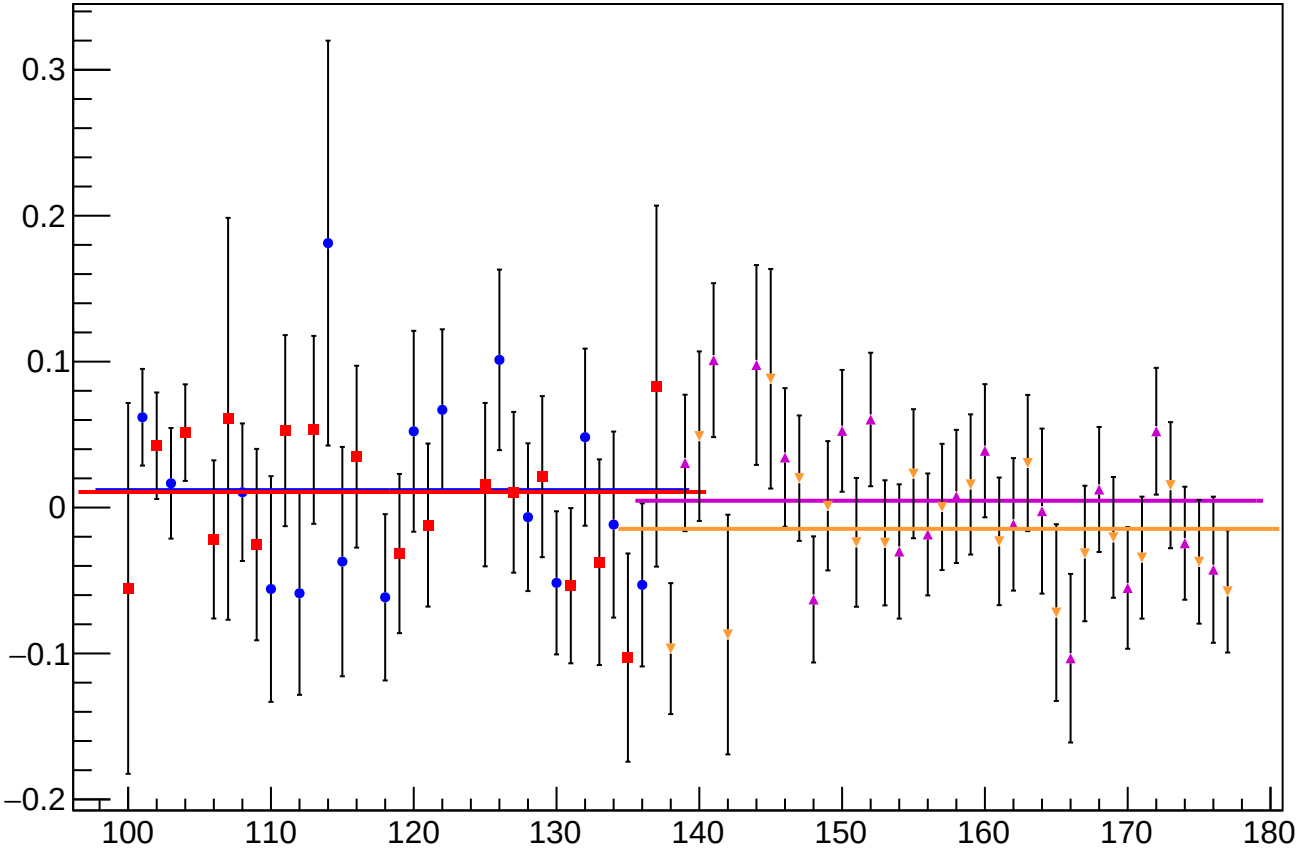
Left In: 0.000+/-0.000 χ^2/NDF:3253529.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 4183698.5/35

All: 0.000+/-0.000 χ^2/NDF: 10831691.2/72

- sign 0.000+/-0.000 χ^2/NDF: 6251957.5/36

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.015+/-0.010 χ^2/NDF:13.4/19

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

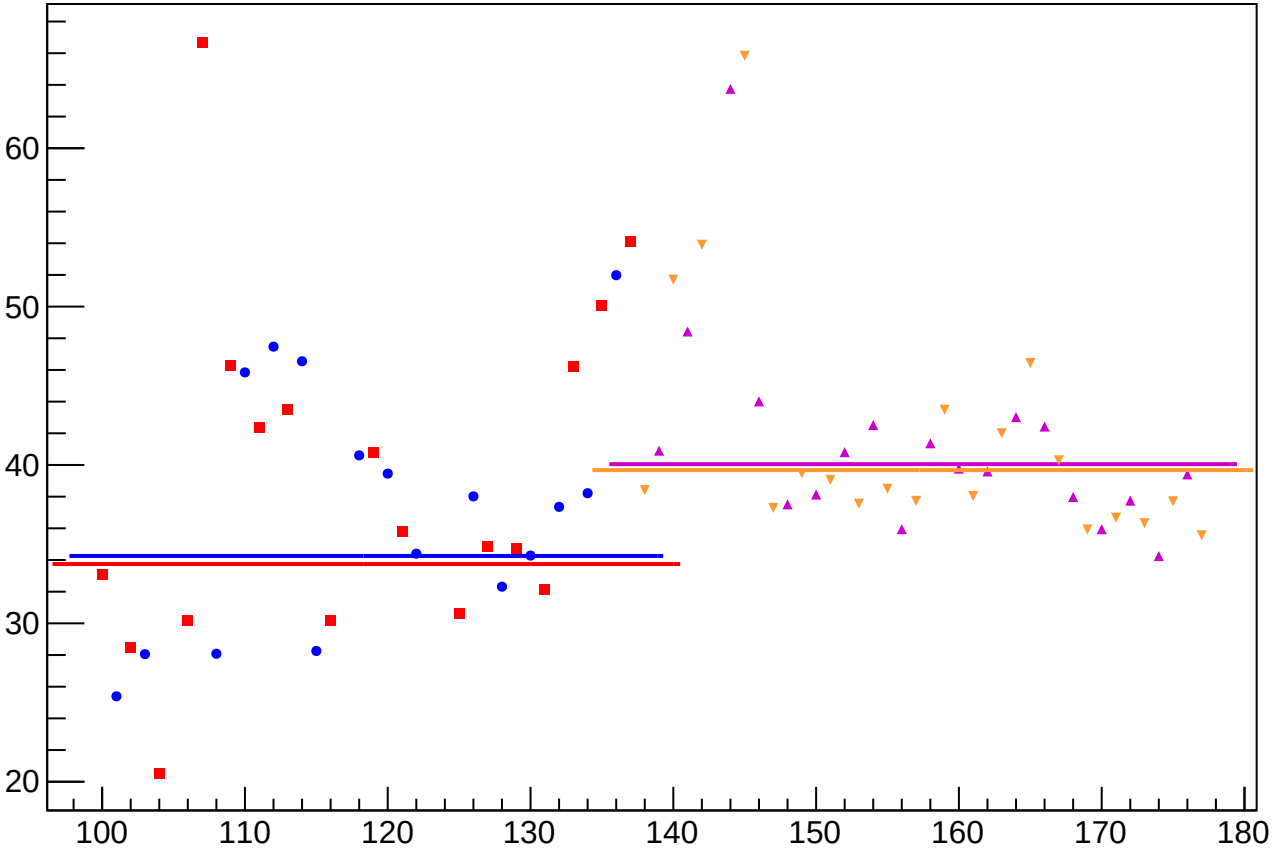
Left In: 0.005+/-0.011 χ^2/NDF:21.0/18

+ sign -0.005+/-0.008 χ^2/NDF: 30.5/35

All: 0.001+/-0.006 χ^2/NDF: 62.5/72

- sign 0.007+/-0.008 χ^2/NDF: 31.0/36

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.676+/-0.007 χ^2/NDF:514143.8/19

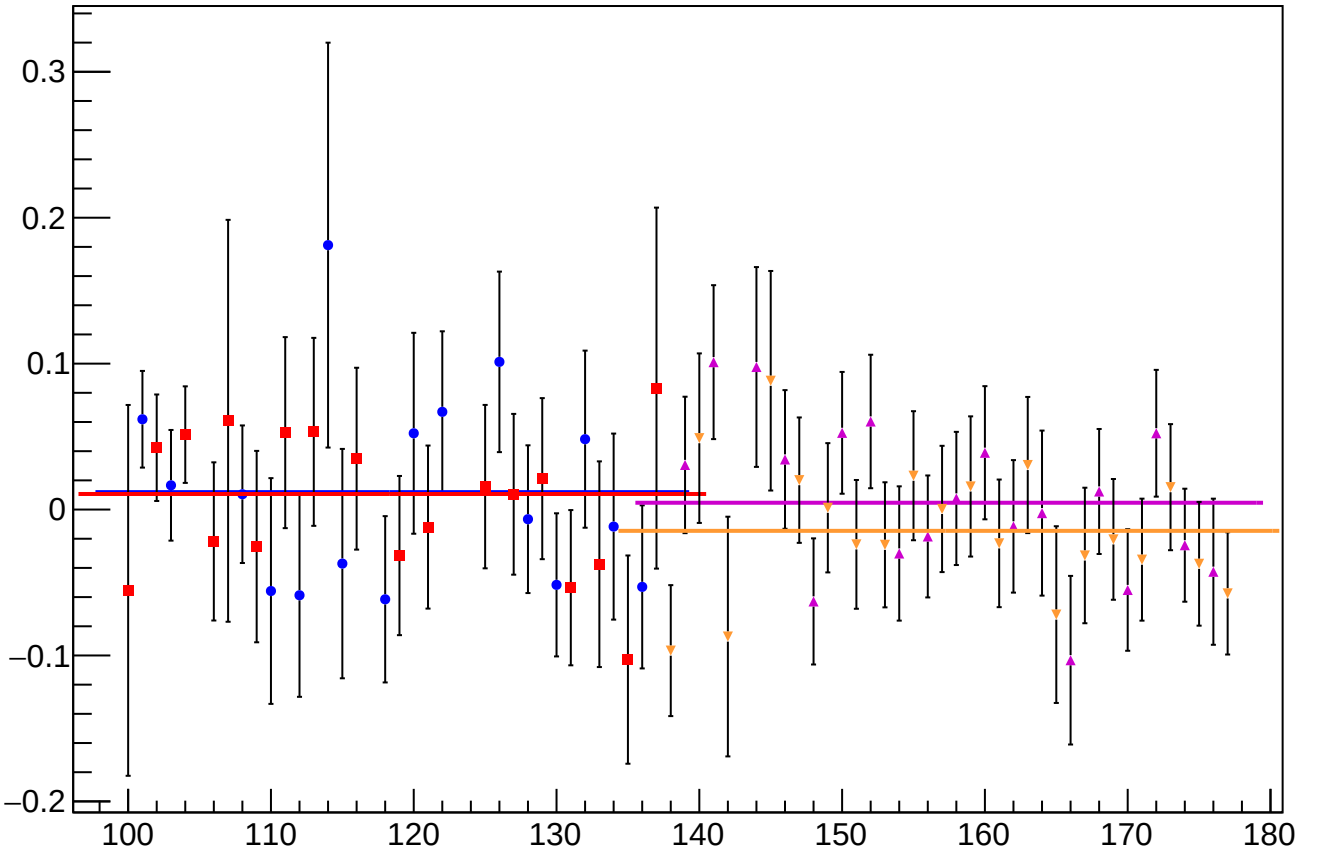
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.054+/-0.008 χ^2/NDF:427135.9/18

\+ sign 37.678+/-0.006 χ^2/NDF: 1350459.8/35

All: 37.655+/-0.004 χ^2/NDF: 2960861.3/72

\- sign 37.632+/-0.006 χ^2/NDF: 1610371.3/36



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

Left Out: -0.015+/-0.010 χ^2/NDF:13.4/19

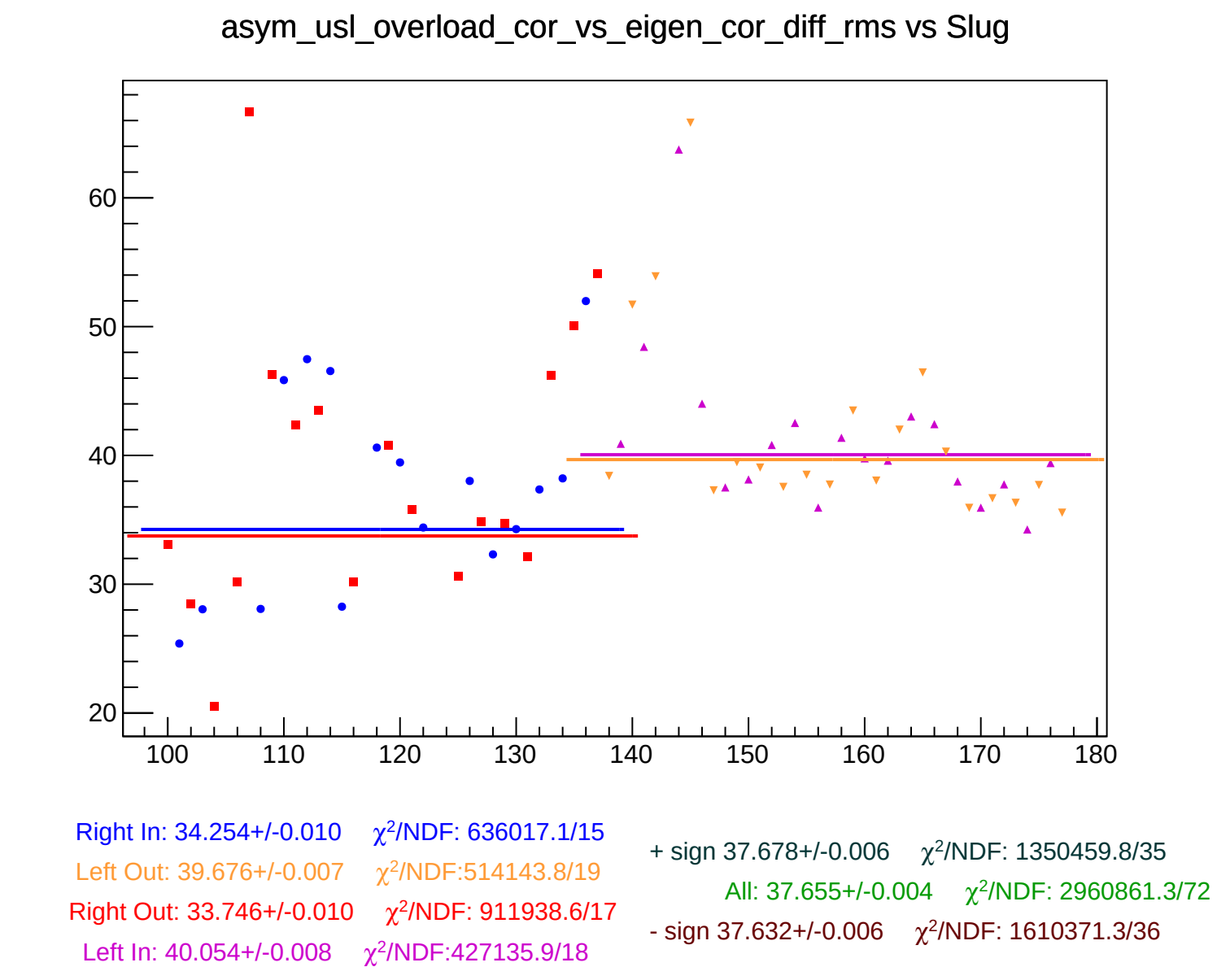
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.005+/-0.011 χ^2/NDF:21.0/18

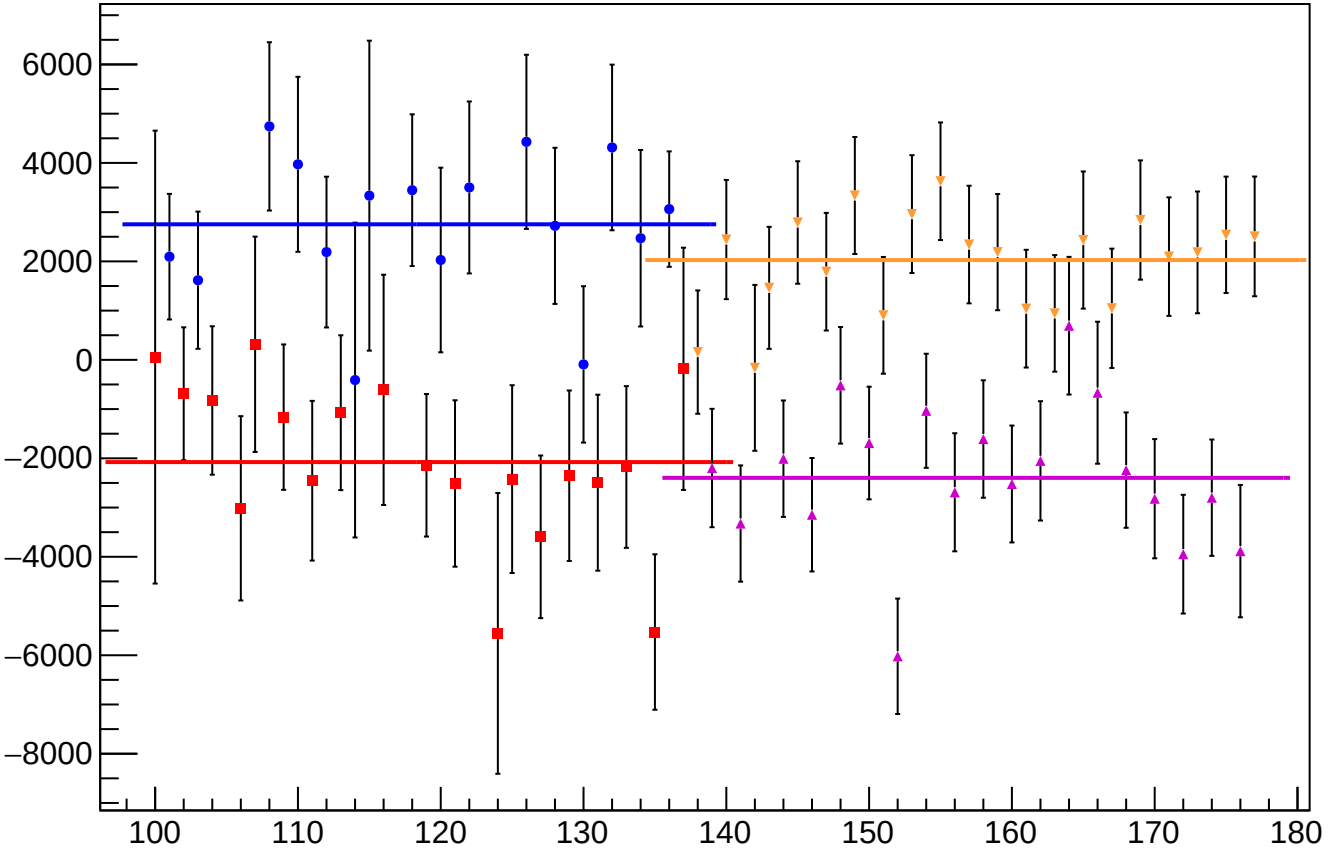
+ sign -0.005+/-0.008 χ^2/NDF: 30.5/35

All: 0.001+/-0.006 χ^2/NDF: 62.5/72

- sign 0.007+/-0.008 χ^2/NDF: 31.0/36


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 39.676+/-0.007 χ²/NDF:514143.8/19
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 40.054+/-0.008 χ²/NDF:427135.9/18
+ sign 37.678+/-0.006 χ²/NDF: 1350459.8/35
All: 37.655+/-0.004 χ²/NDF: 2960861.3/72
- sign 37.632+/-0.006 χ²/NDF: 1610371.3/36

reg_asym_usr_mean vs Slug



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

Left Out: 2026.715+/-267.885 χ^2/NDF:12.3/20

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

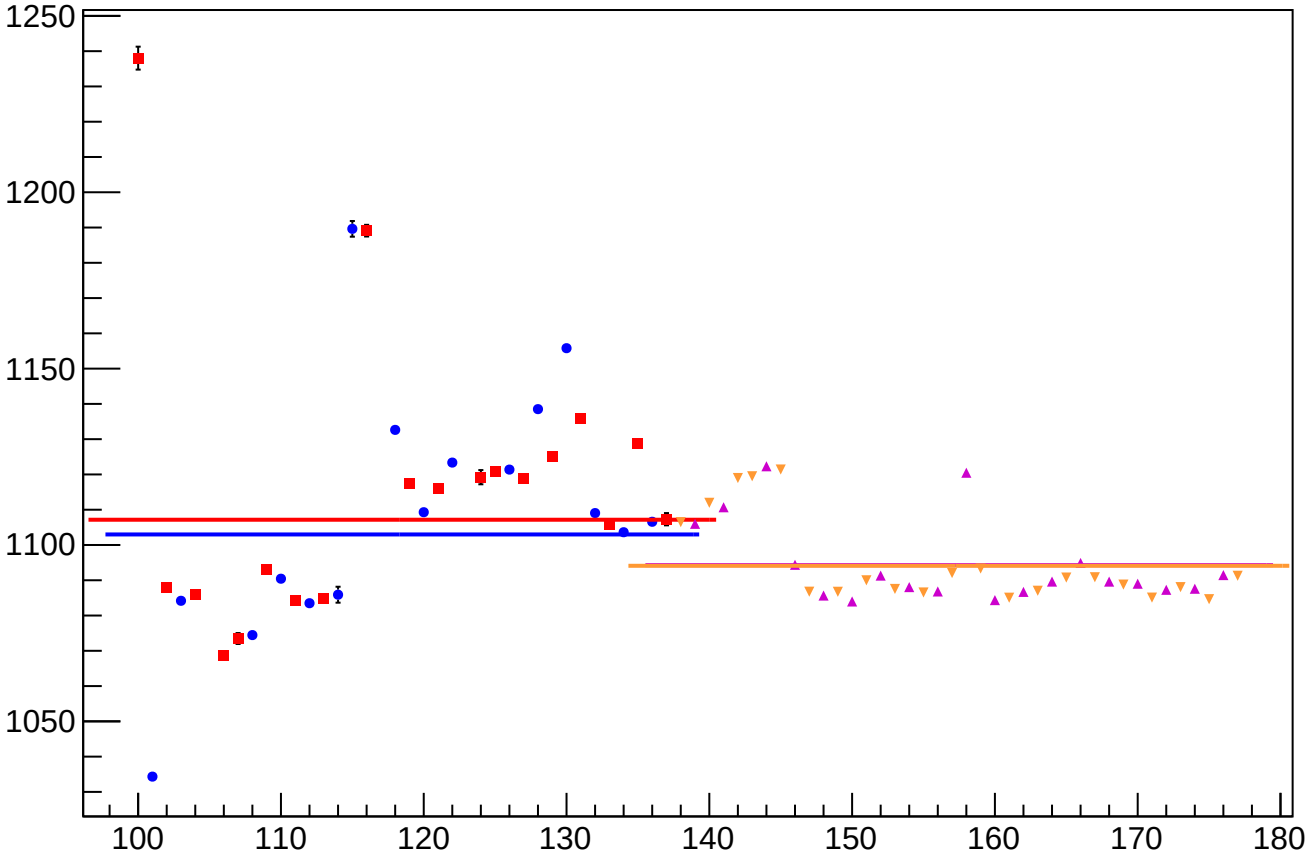
Left In: -2396.613+/-277.587 χ^2/NDF:25.1/18

+ sign 2244.164+/-224.233 χ^2/NDF: 24.0/36

All: 20.385+/-160.129 χ^2/NDF: 262.8/74

- sign -2293.873+/-228.749 χ^2/NDF: 38.0/37

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.103+/-0.189 χ^2/NDF:3741.7/20

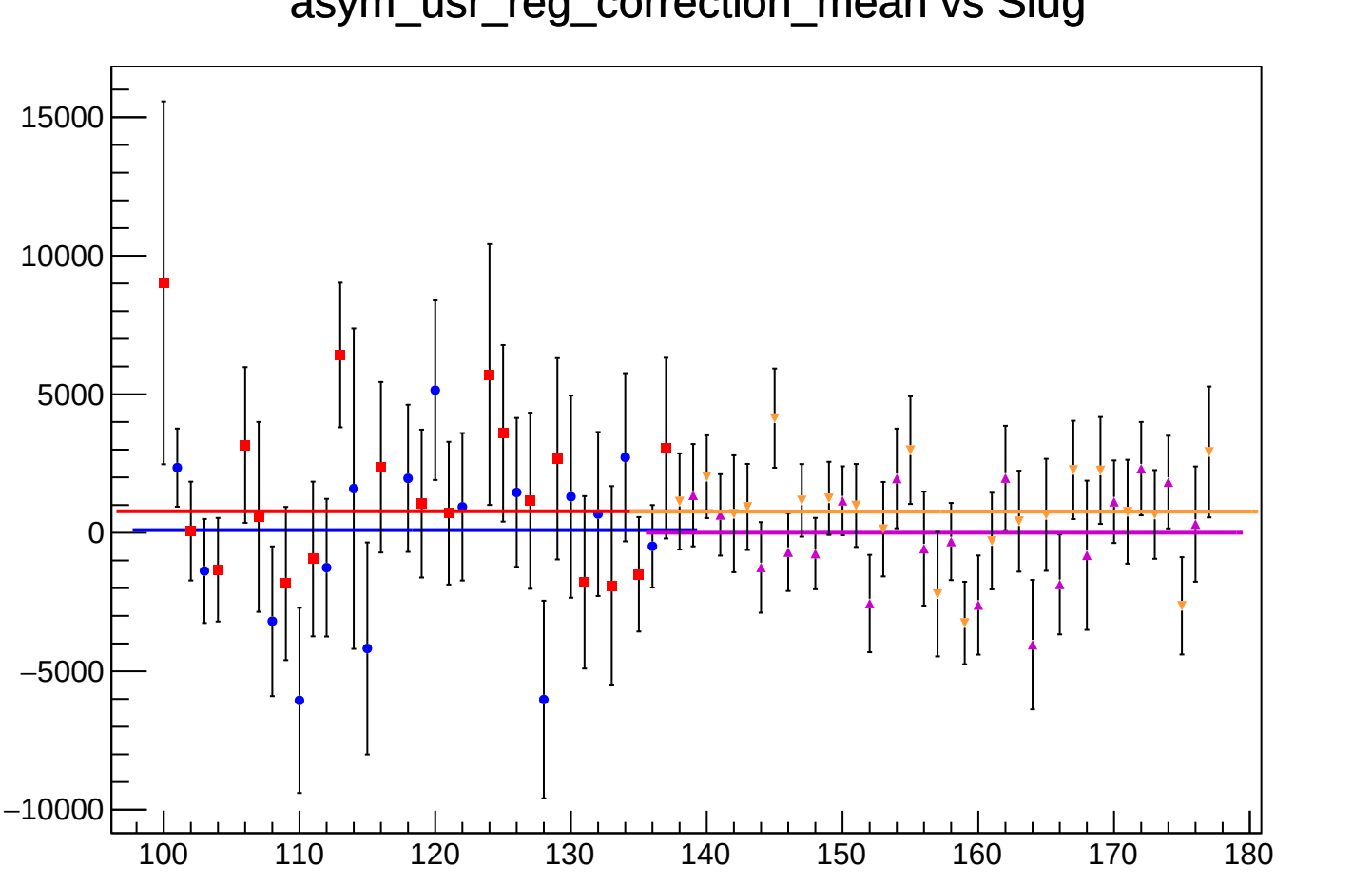
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

+ sign 1096.762+/-0.159 χ^2/NDF: 17624.1/36

All: 1097.573+/-0.113 χ^2/NDF: 31272.1/74

- sign 1098.417+/-0.162 χ^2/NDF: 13594.6/37



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

Left Out: 764.053+/-371.971 χ^2/NDF:21.4/20

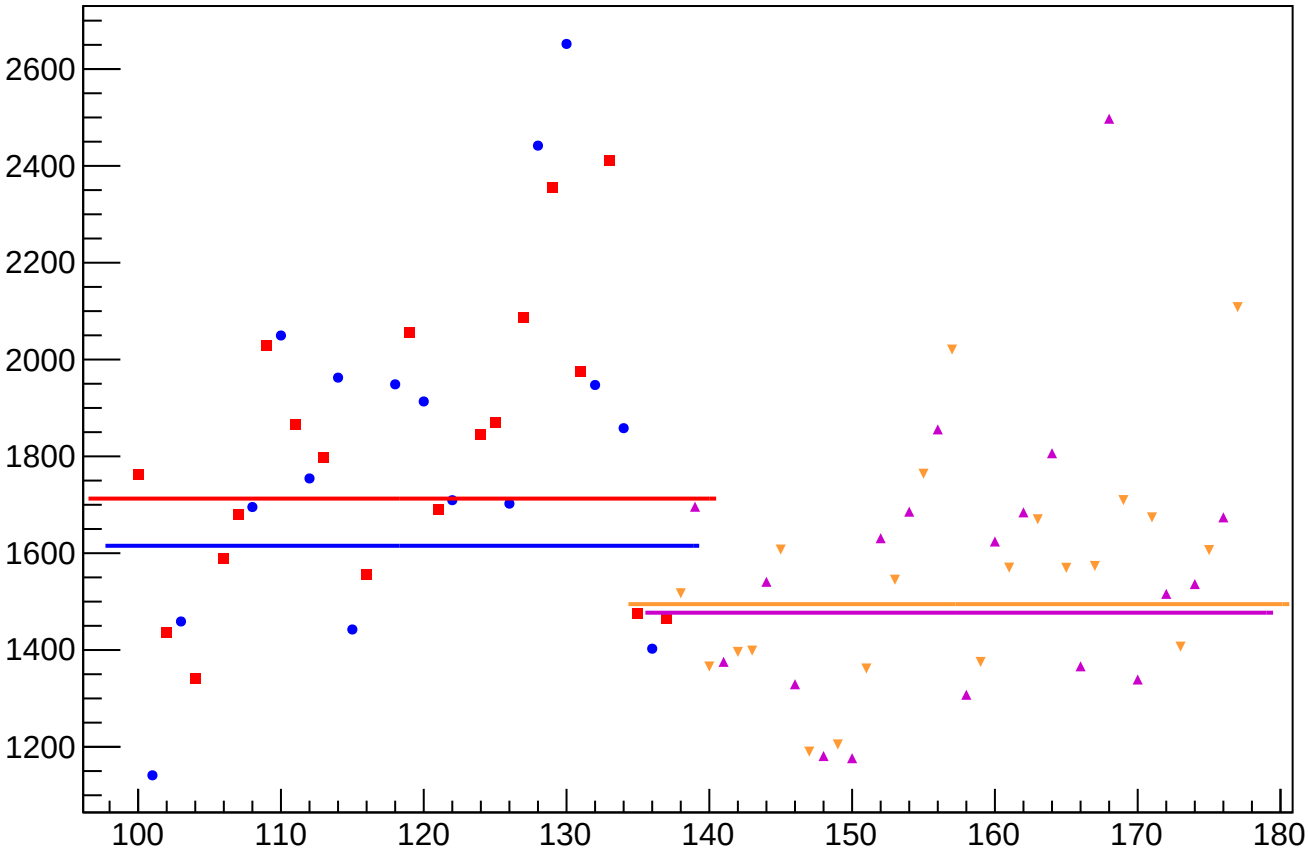
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 1.455+/-381.181 χ^2/NDF:17.2/18

+ sign 586.422+/-318.709 χ^2/NDF: 39.2/36

All: 401.124+/-228.265 χ^2/NDF: 73.3/74

- sign 205.956+/-327.086 χ^2/NDF: 33.4/37



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

Left Out: 1494.785+/-0.263 χ^2/NDF:639017.5/20

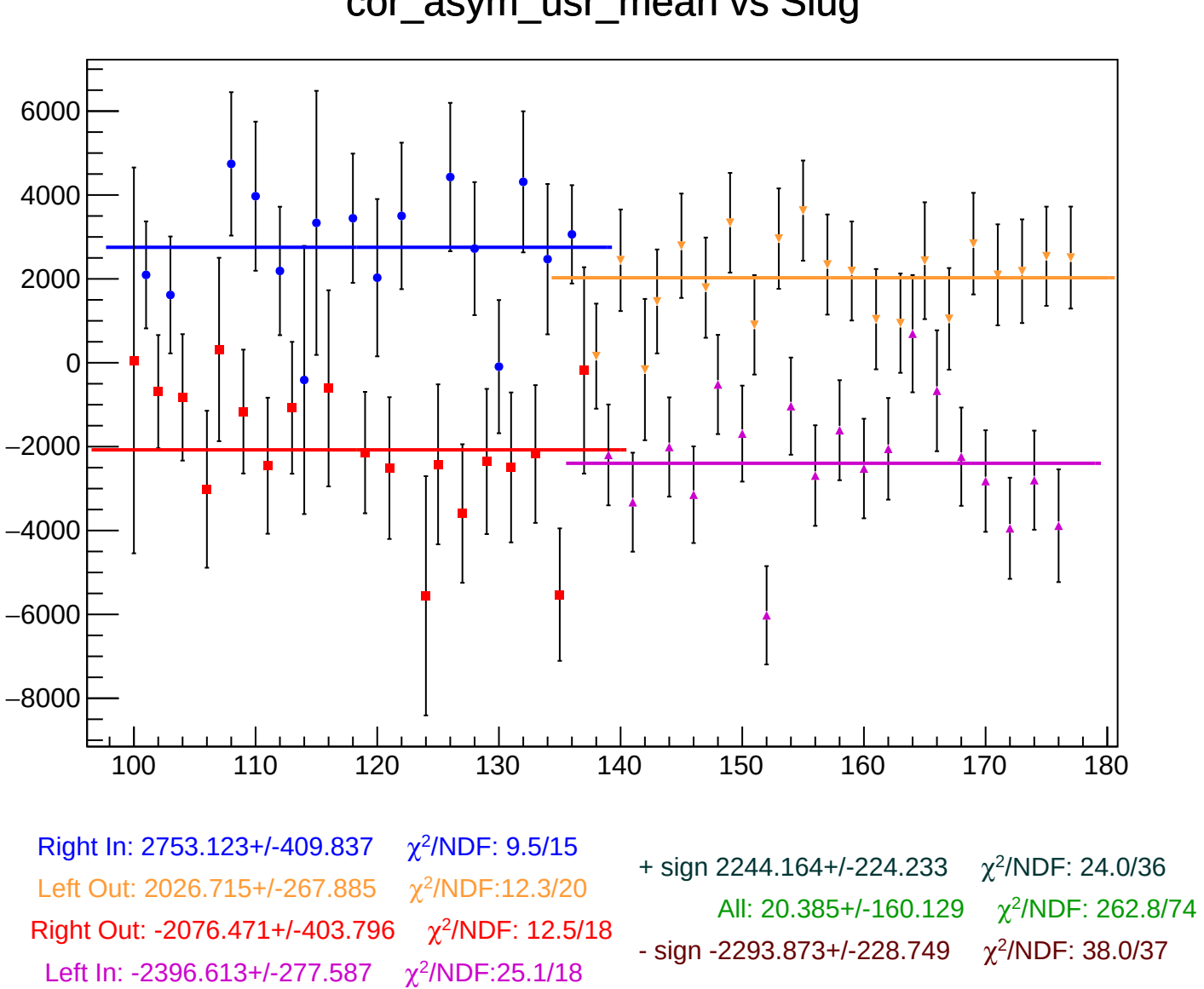
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

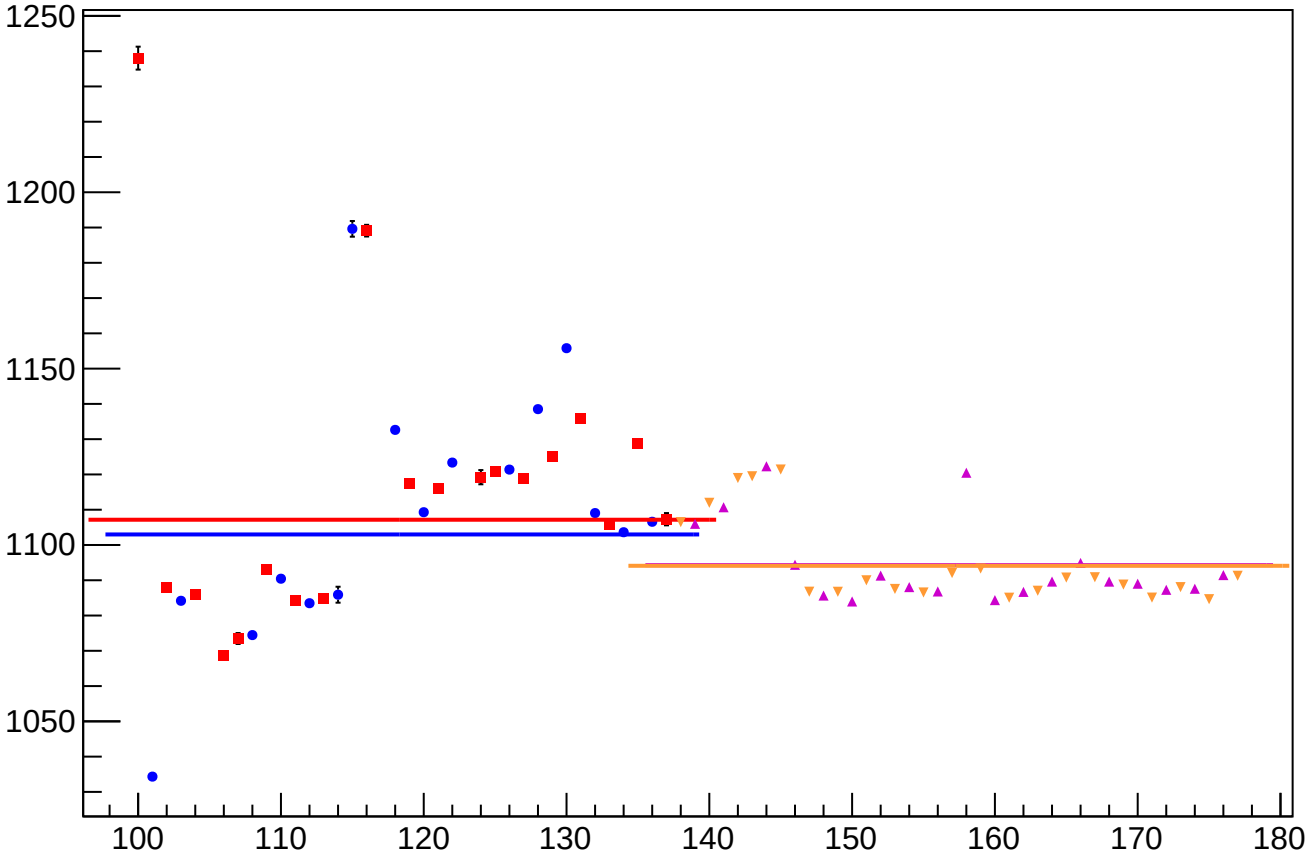
+ sign 1526.831+/-0.225 χ^2/NDF: 1388479.5/36

All: 1532.876+/-0.161 χ^2/NDF: 2855084.4/74

- sign 1539.242+/-0.231 χ^2/NDF: 1465127.8/37


cor_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 2026.715+/-267.885 χ²/NDF:12.3/20
Right Out: -2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: -2396.613+/-277.587 χ²/NDF:25.1/18
+ sign 2244.164+/-224.233 χ²/NDF: 24.0/36
All: 20.385+/-160.129 χ²/NDF: 262.8/74
- sign -2293.873+/-228.749 χ²/NDF: 38.0/37

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.103+/-0.189 χ^2/NDF:3741.7/20

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

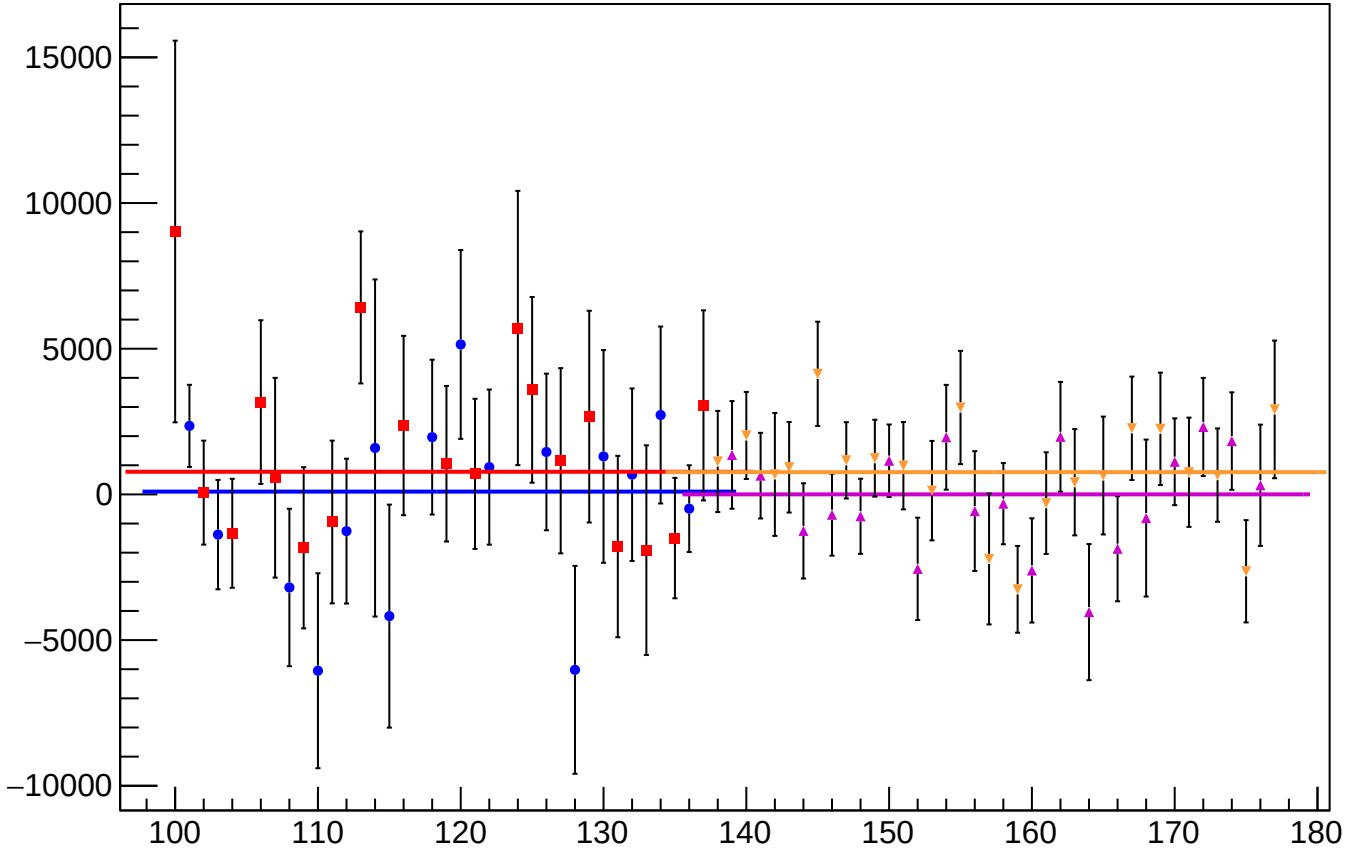
Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

+ sign 1096.762+/-0.159 χ^2/NDF: 17624.1/36

All: 1097.573+/-0.113 χ^2/NDF: 31272.1/74

- sign 1098.417+/-0.162 χ^2/NDF: 13594.6/37

asym_usr_cor_correction_mean vs Slug



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

Left Out: 764.053+/-371.971 χ^2/NDF:21.4/20

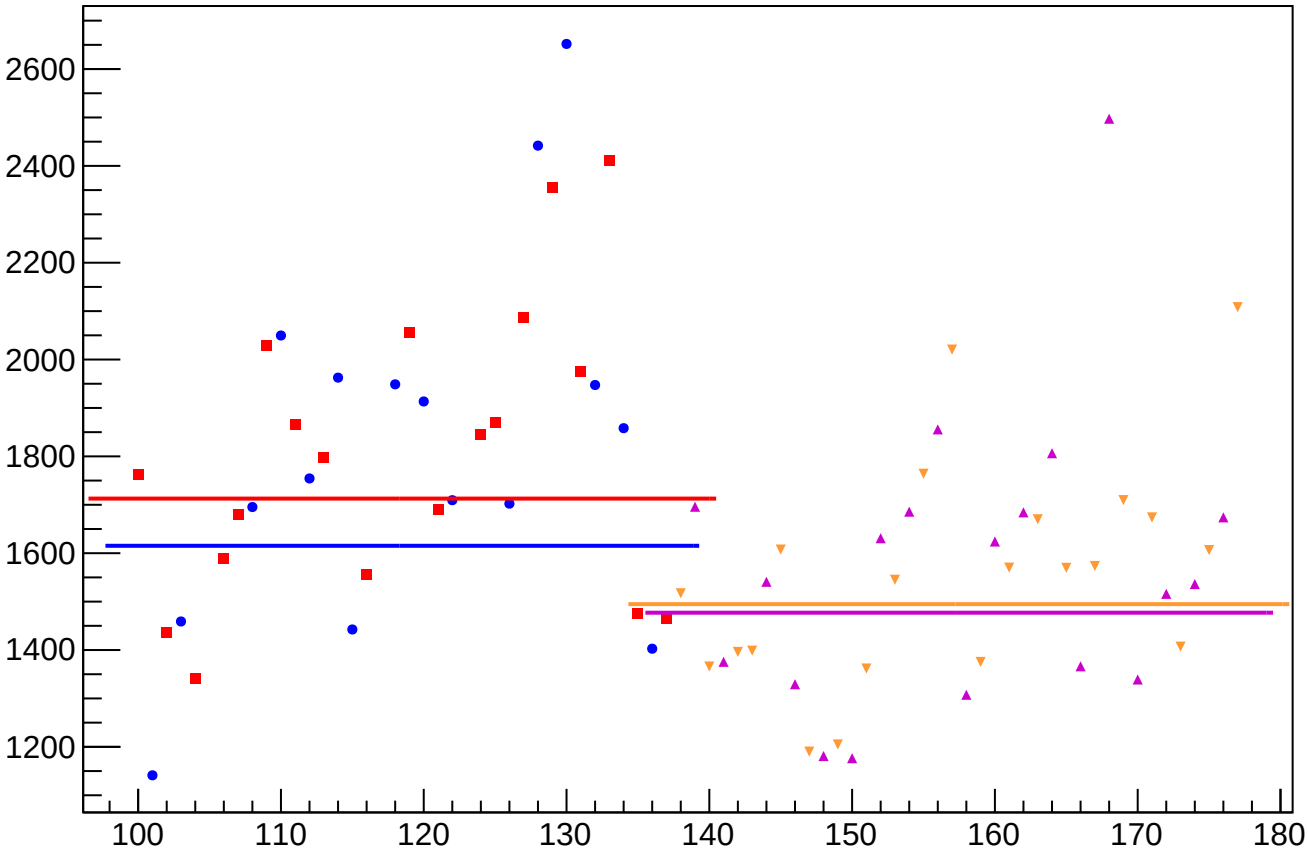
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 1.455+/-381.181 χ^2/NDF:17.2/18

+ sign 586.422+/-318.709 χ^2/NDF: 39.2/36

All: 401.124+/-228.265 χ^2/NDF: 73.3/74

- sign 205.956+/-327.086 χ^2/NDF: 33.4/37



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

Left Out: 1494.785+/-0.263 χ^2/NDF:639017.5/20

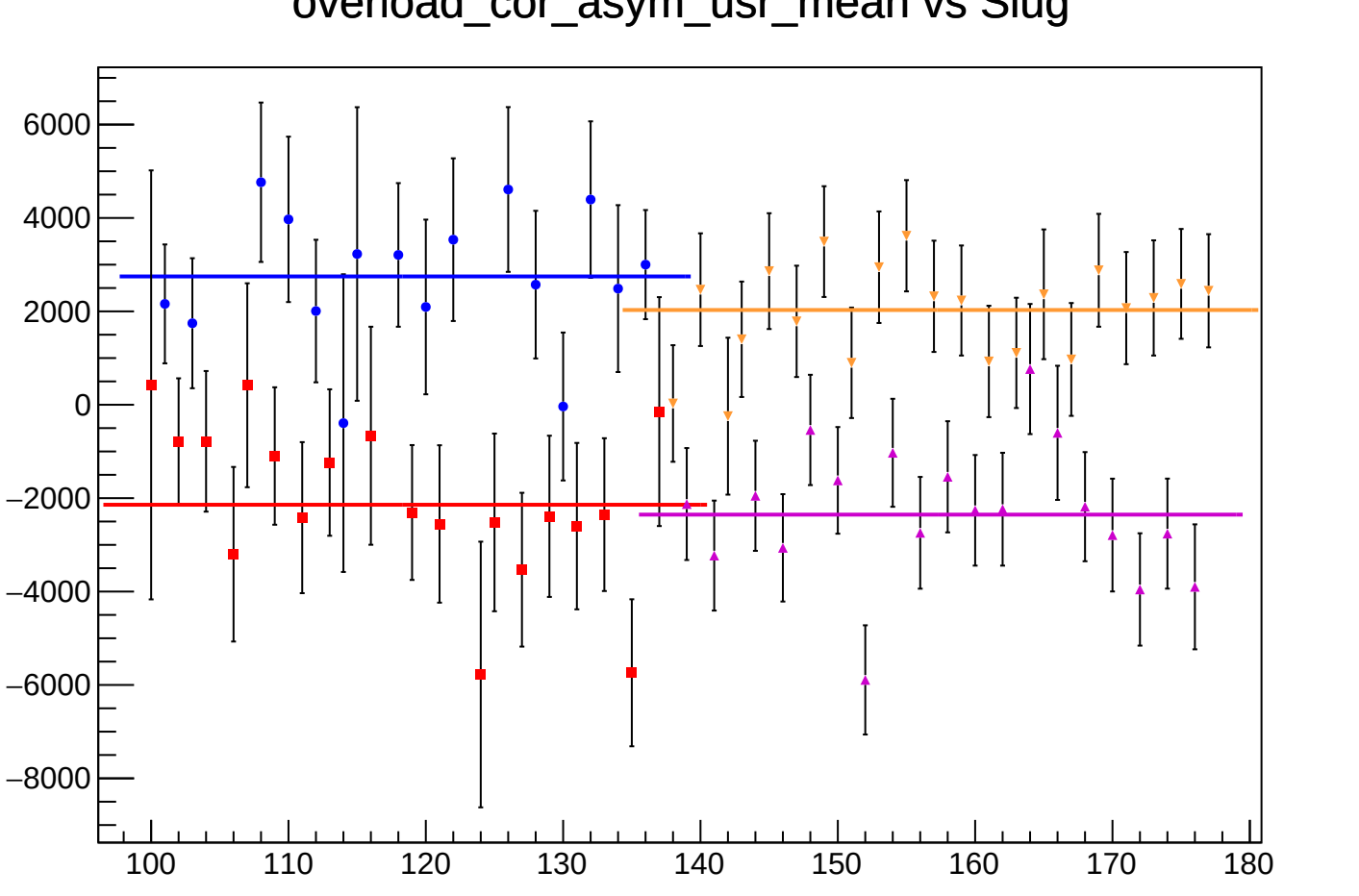
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

+ sign 1526.831+/-0.225 χ^2/NDF: 1388479.5/36

All: 1532.876+/-0.161 χ^2/NDF: 2855084.4/74

- sign 1539.242+/-0.231 χ^2/NDF: 1465127.8/37



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2029.068+/-267.165 χ^2/NDF:13.3/20

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

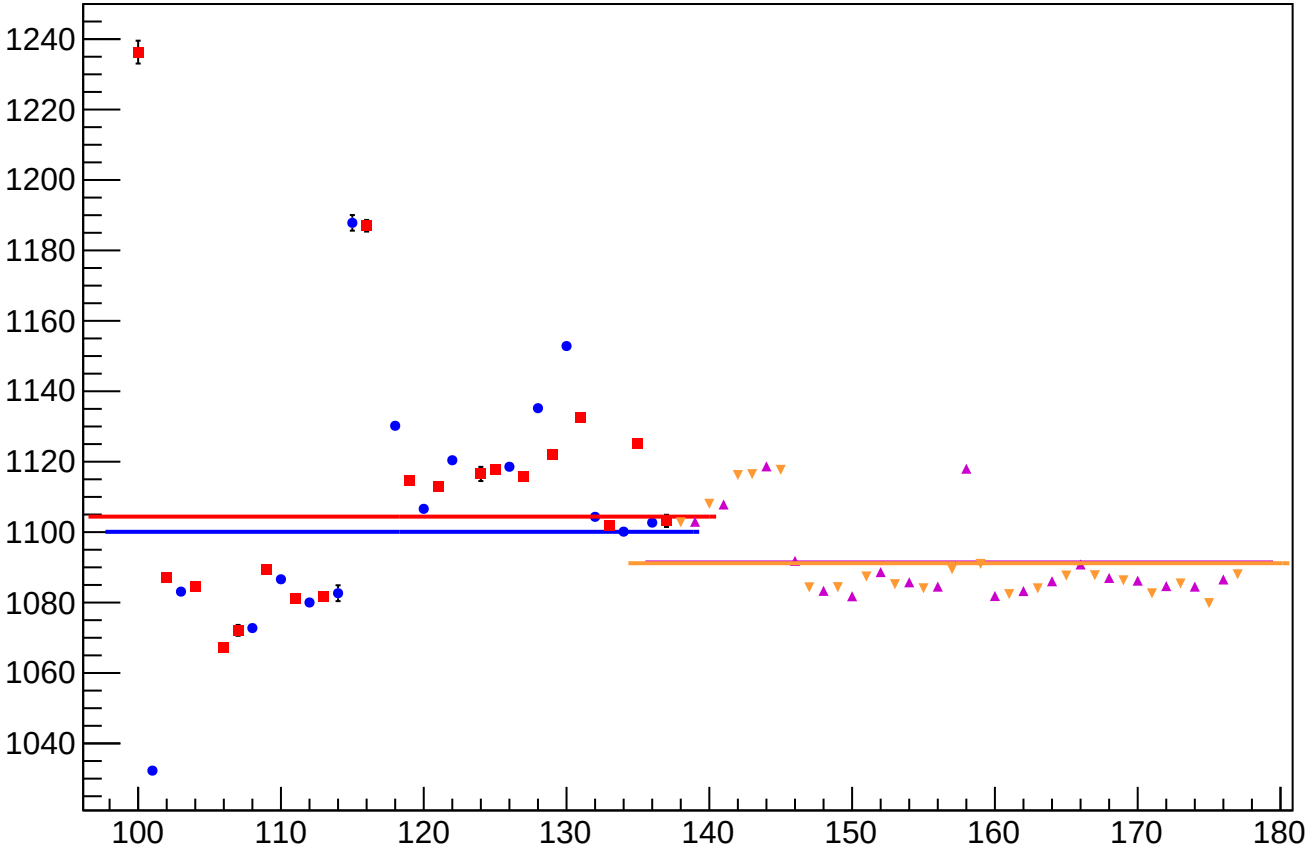
Left In: -2352.397+/-276.855 χ^2/NDF:24.8/18

+ sign 2244.243+/-223.634 χ^2/NDF: 25.0/36

All: 25.137+/-159.708 χ^2/NDF: 264.5/74

- sign -2284.623+/-228.156 χ^2/NDF: 38.5/37

overload_cor_asym_usr_rms vs Slug



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

Left Out: 1091.165+/-0.189 χ^2/NDF:3623.8/20

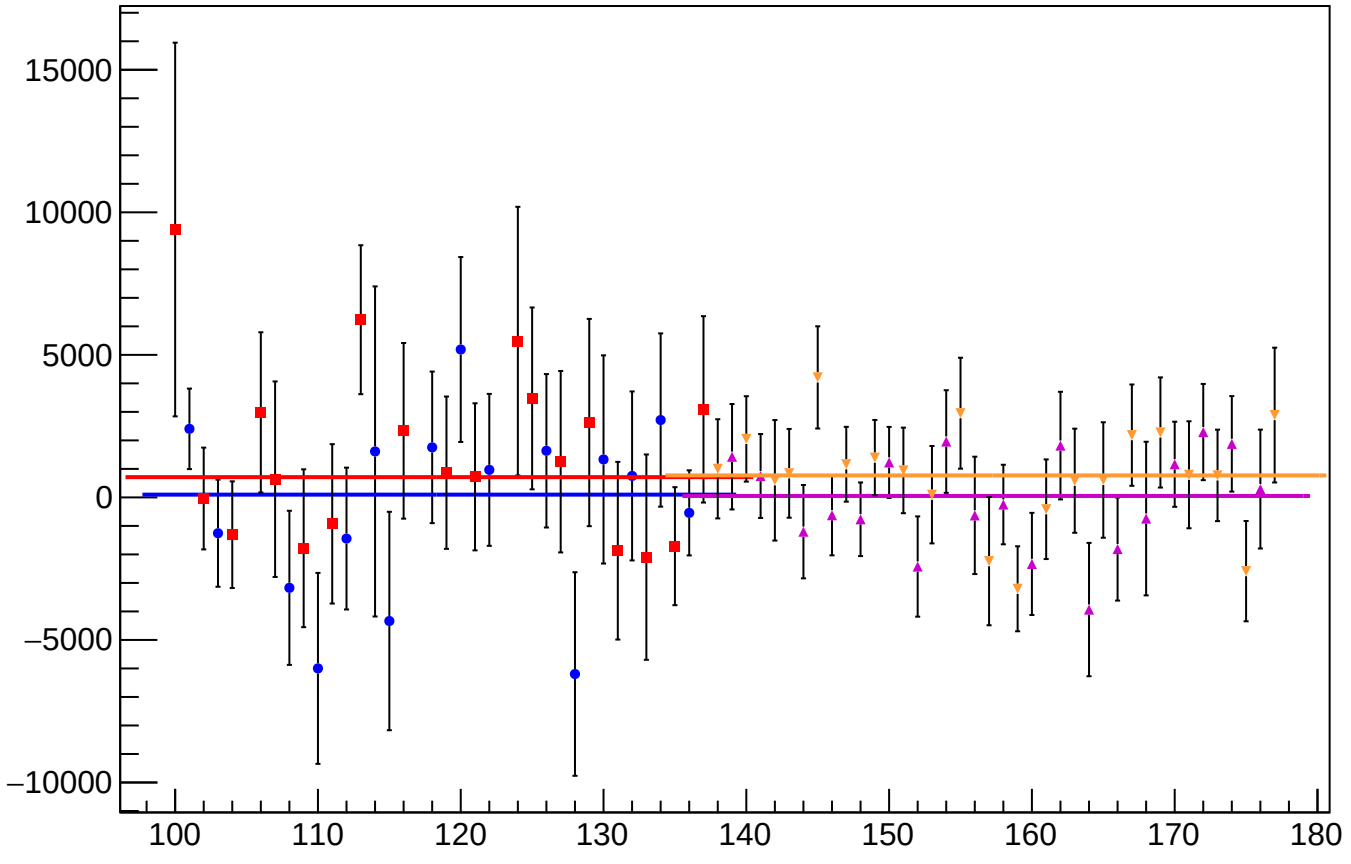
Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1091.400+/-0.196 χ^2/NDF:3478.2/18

+ sign 1093.837+/-0.158 χ^2/NDF: 17369.0/36

All: 1094.687+/-0.113 χ^2/NDF: 30865.2/74

- sign 1095.572+/-0.161 χ^2/NDF: 13437.2/37



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

Left Out: 771.264+/-372.533 χ^2/NDF:21.2/20

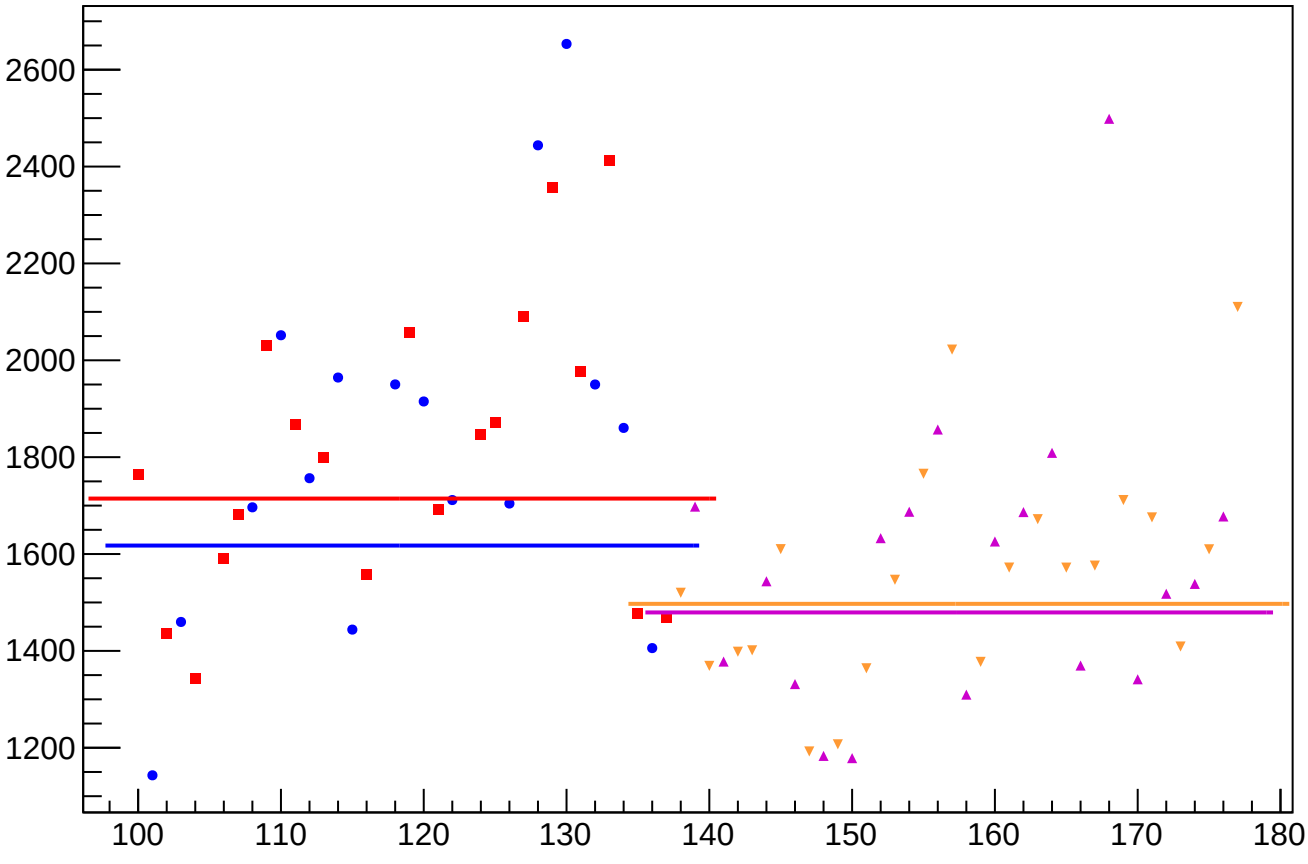
Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 50.498+/-381.753 χ^2/NDF:16.4/18

+ sign 592.045+/-319.169 χ^2/NDF: 39.3/36

All: 413.207+/-228.586 χ^2/NDF: 72.1/74

- sign 224.875+/-327.532 χ^2/NDF: 32.1/37



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1497.141+/-0.263 χ^2/NDF:636562.7/20

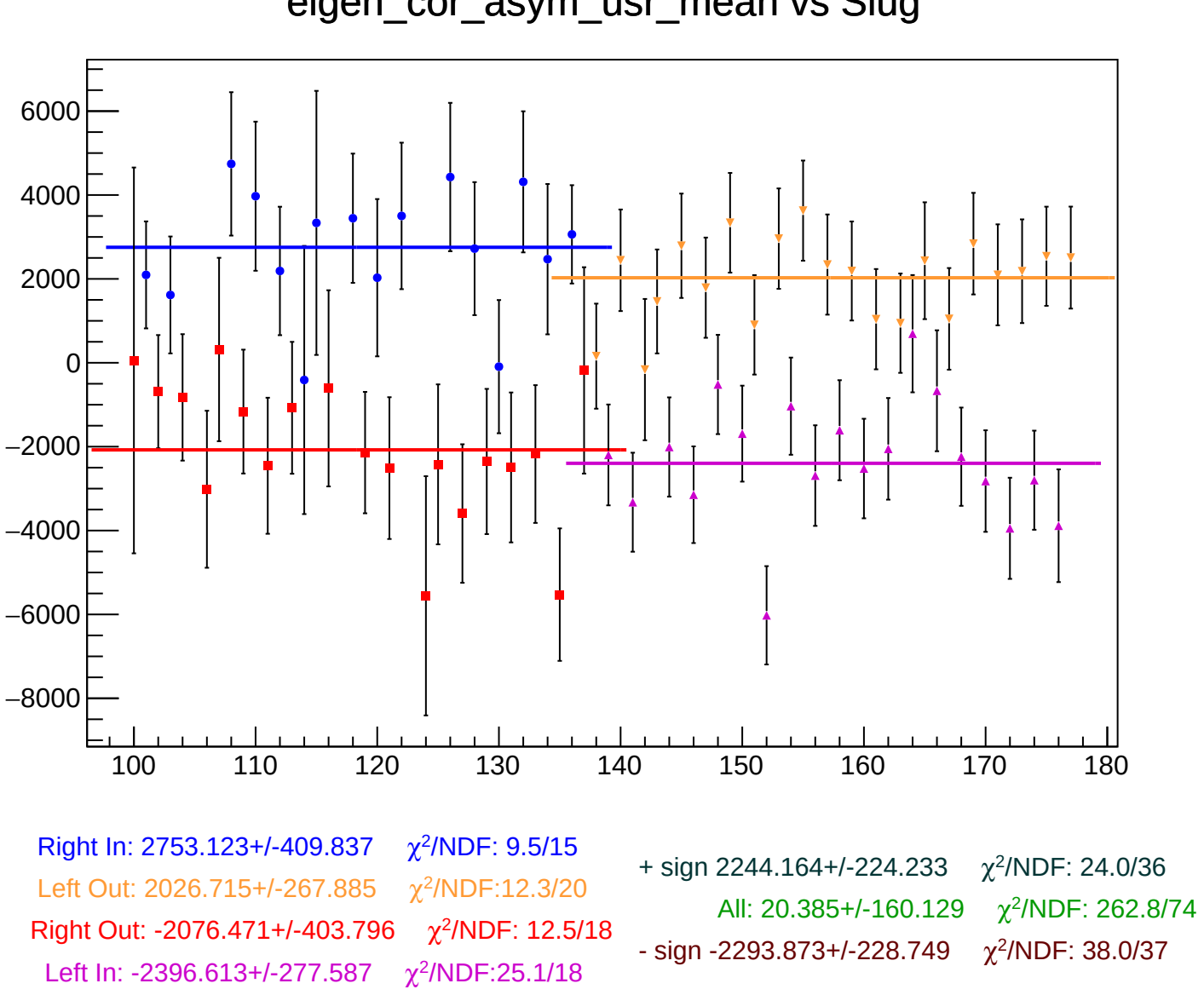
Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1479.398+/-0.270 χ^2/NDF:832616.5/18

+ sign 1529.150+/-0.226 χ^2/NDF: 1383805.5/36

All: 1535.137+/-0.162 χ^2/NDF: 2845761.8/74

- sign 1541.442+/-0.232 χ^2/NDF: 1460511.5/37


eigen_cor_asym_usr_mean vs Slug
6000
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−2000
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−6000
−8000
100
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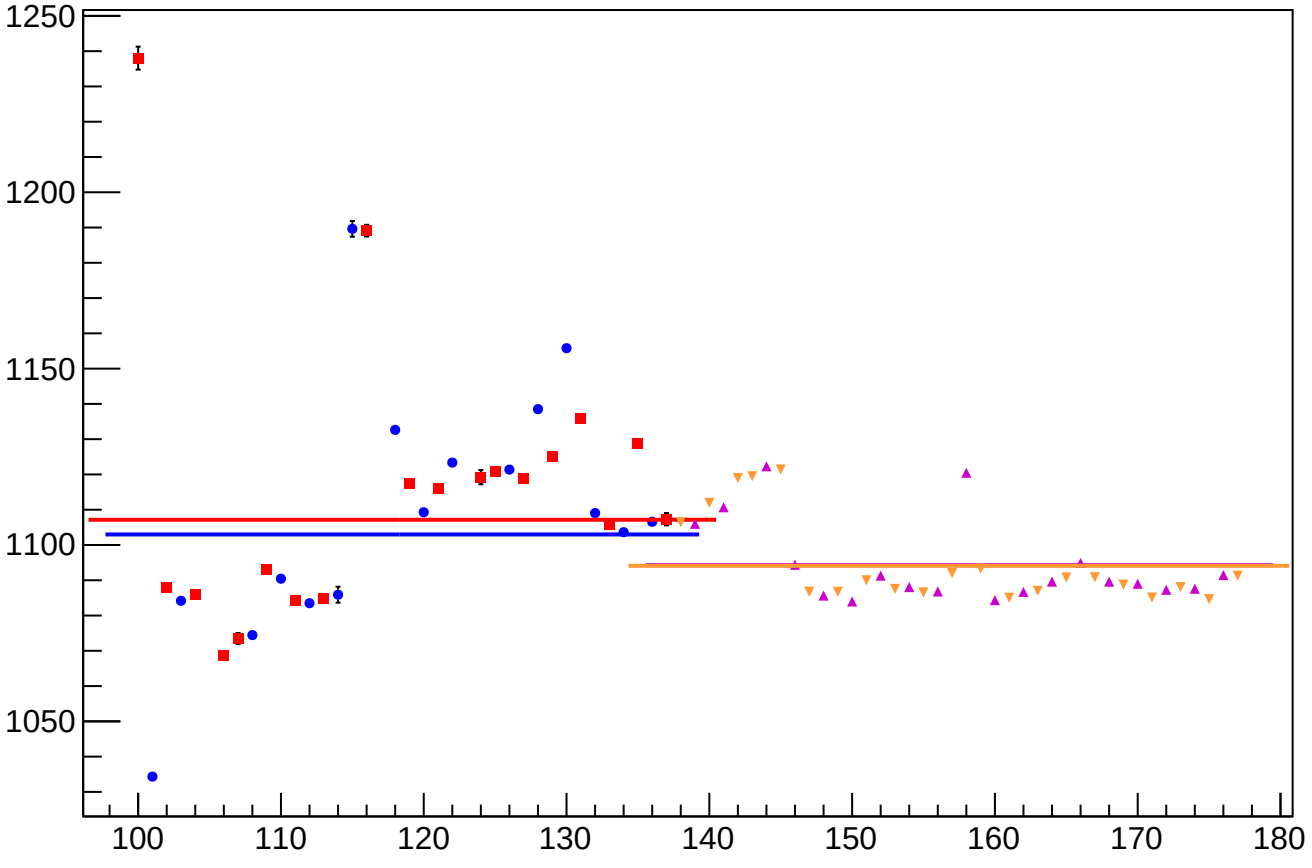
150
160
170
180
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 2026.715+/-267.885 χ²/NDF:12.3/20
Right Out: -2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: -2396.613+/-277.587 χ²/NDF:25.1/18
+ sign 2244.164+/-224.233 χ²/NDF: 24.0/36
All: 20.385+/-160.129 χ²/NDF: 262.8/74
- sign -2293.873+/-228.749 χ²/NDF: 38.0/37

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.103+/-0.189 χ^2/NDF:3741.7/20

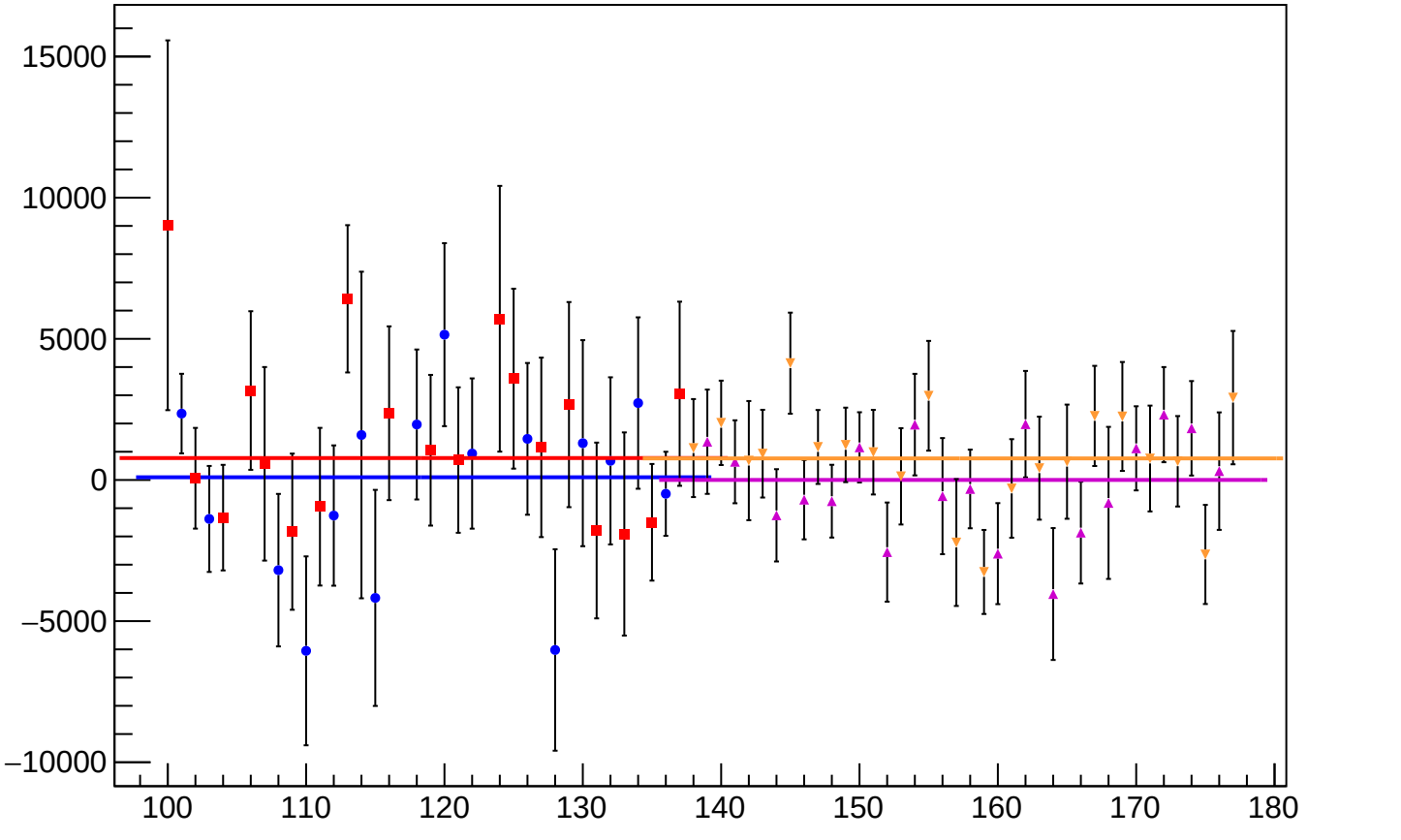
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

+ sign 1096.762+/-0.159 χ^2/NDF: 17624.1/36

All: 1097.573+/-0.113 χ^2/NDF: 31272.1/74

- sign 1098.417+/-0.162 χ^2/NDF: 13594.6/37



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

Left Out: 764.053+/-371.971 χ^2/NDF:21.4/20

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

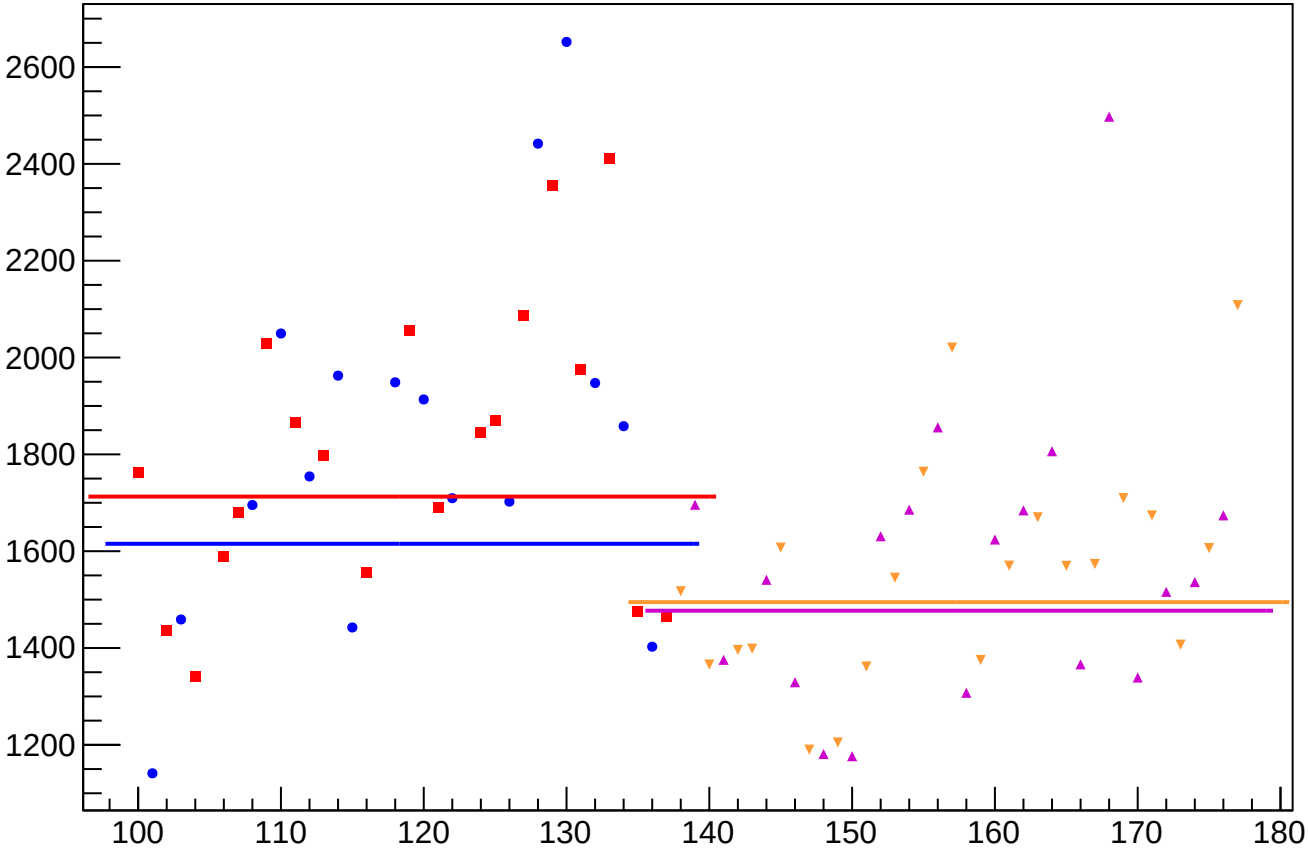
Left In: 1.455+/-381.181 χ^2/NDF:17.2/18

+ sign 586.422+/-318.709 χ^2/NDF: 39.2/36

All: 401.124+/-228.265 χ^2/NDF: 73.3/74

- sign 205.956+/-327.086 χ^2/NDF: 33.4/37

asym_usr_eigen_cor_correction_rms vs Slug



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

Left Out: 1494.785+/-0.263 χ^2/NDF:639017.5/20

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

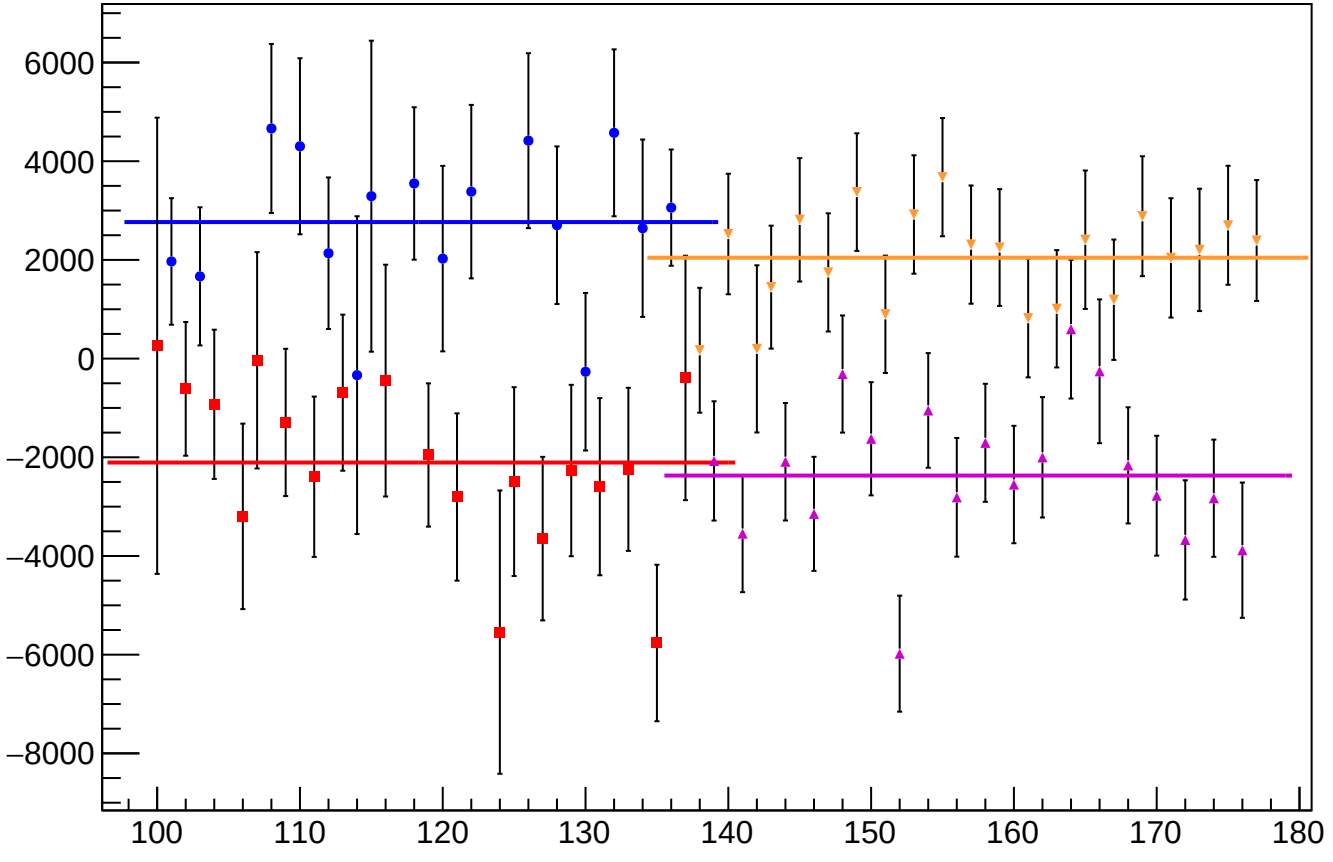
Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

+ sign 1526.831+/-0.225 χ^2/NDF: 1388479.5/36

All: 1532.876+/-0.161 χ^2/NDF: 2855084.4/74

- sign 1539.242+/-0.231 χ^2/NDF: 1465127.8/37

dit_asym_usr_mean vs Slug



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2044.221+/-269.305 χ^2/NDF:12.1/20

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

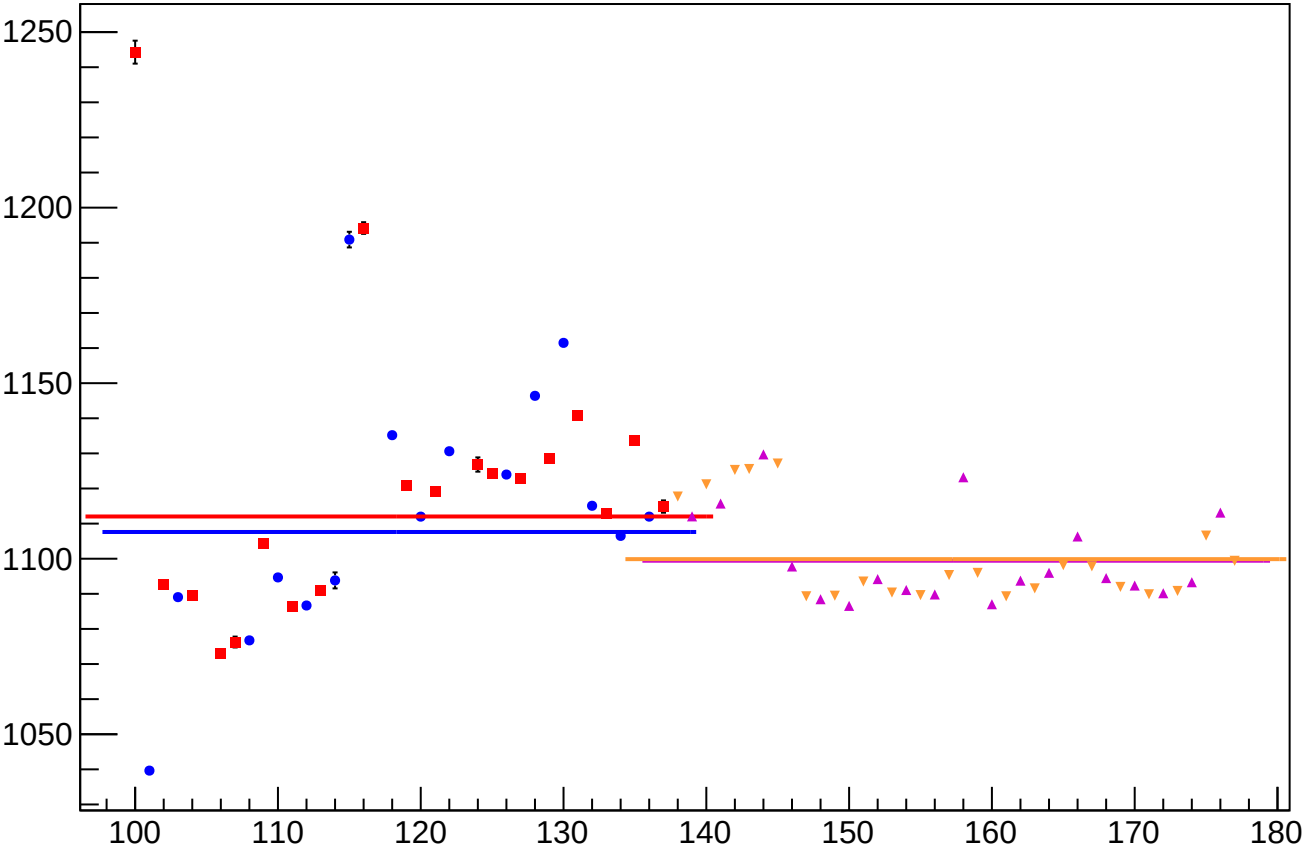
Left In: -2370.231+/-278.899 χ^2/NDF:25.5/18

+ sign 2260.809+/-225.348 χ^2/NDF: 24.6/36

All: 32.200+/-160.899 χ^2/NDF: 263.2/74

- sign -2285.515+/-229.809 χ^2/NDF: 39.1/37

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1099.878+/-0.190 χ^2/NDF:4597.2/20

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

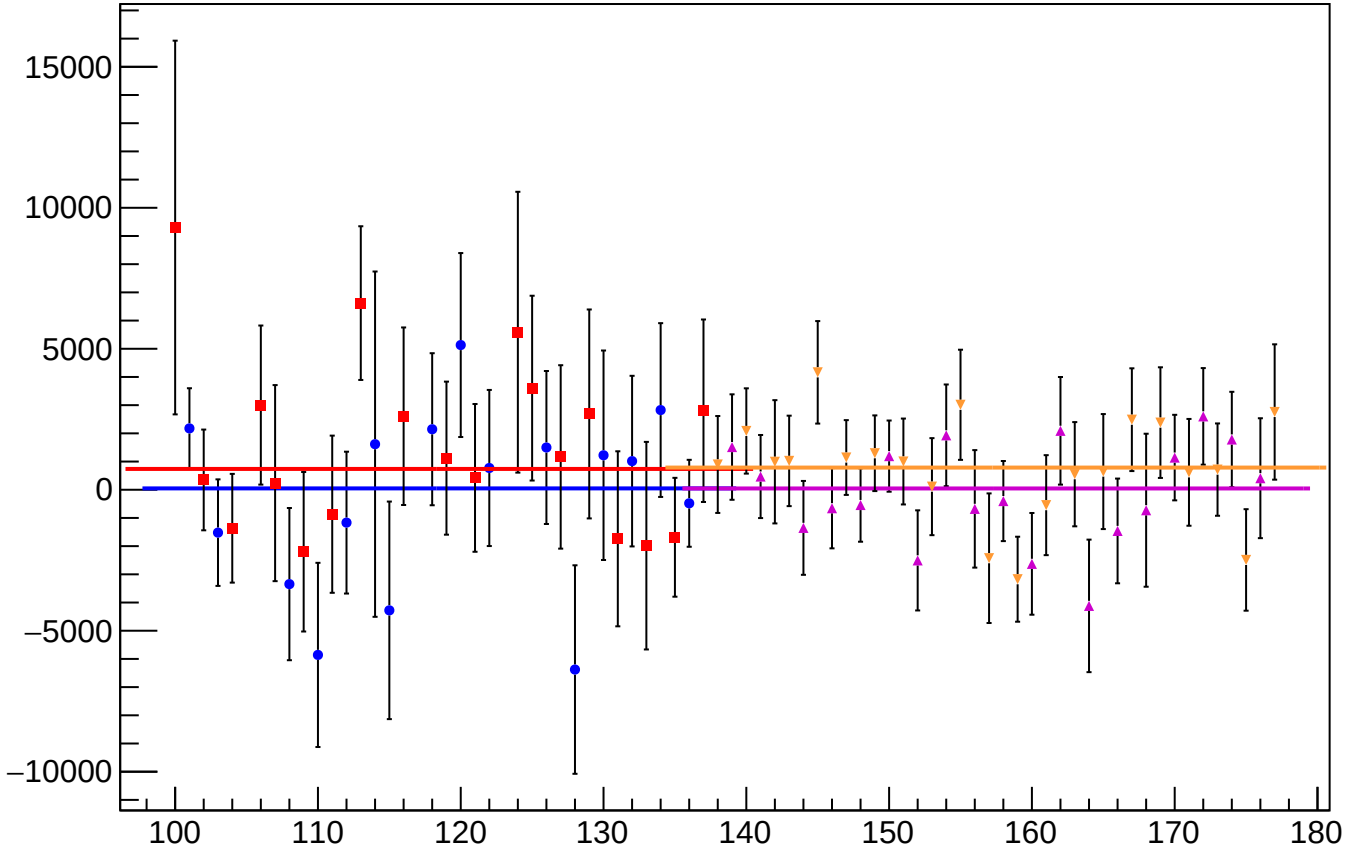
Left In: 1099.433+/-0.197 χ^2/NDF:4168.0/18

\+ sign 1102.197+/-0.159 χ^2/NDF: 18312.8/36

All: 1102.824+/-0.114 χ^2/NDF: 32475.5/74

\- sign 1103.477+/-0.162 χ^2/NDF: 14131.1/37

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 786.322+/-377.782 χ^2/NDF:20.9/20

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

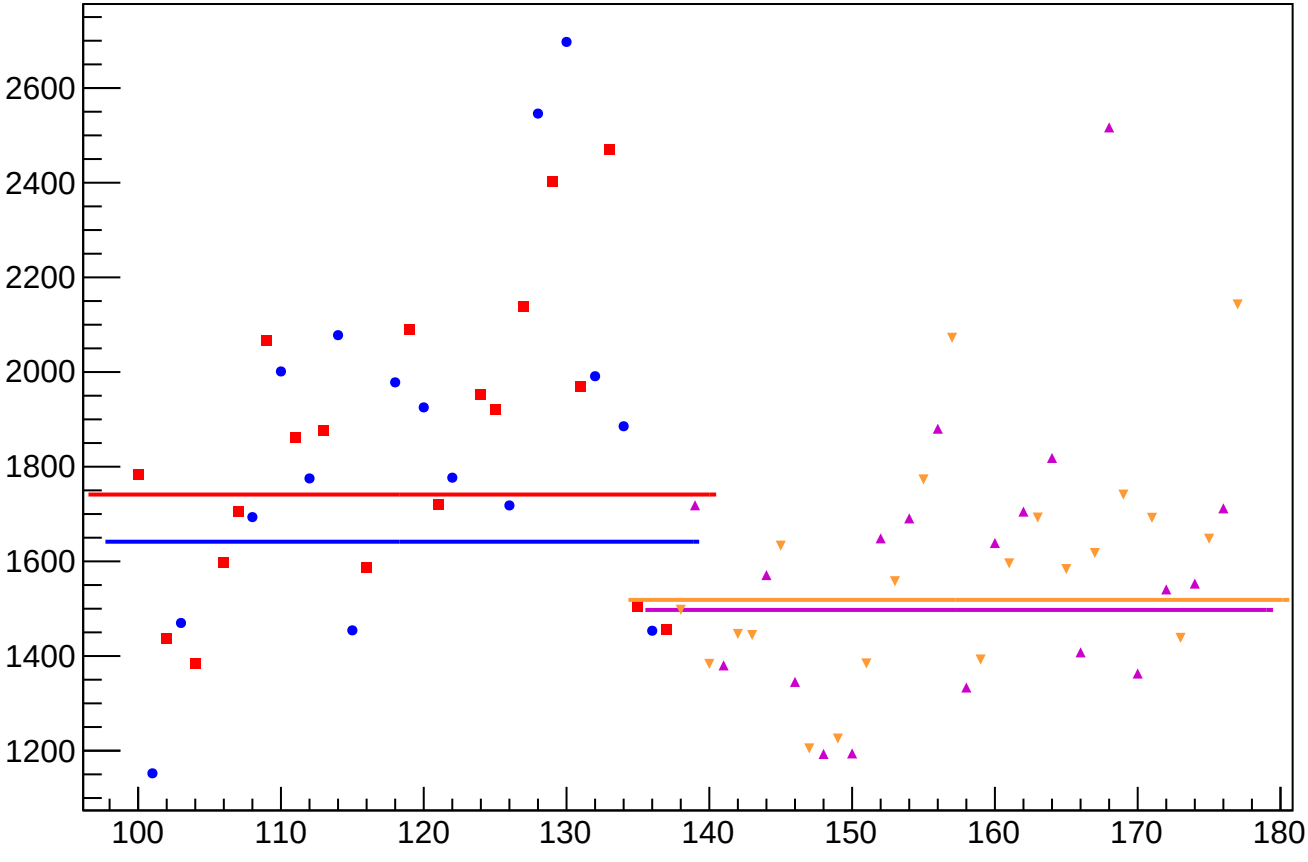
Left In: 45.586+/-386.205 χ^2/NDF:17.1/18

+ sign 590.114+/-323.730 χ^2/NDF: 38.8/36

All: 413.086+/-231.687 χ^2/NDF: 72.3/74

- sign 227.206+/-331.726 χ^2/NDF: 32.9/37

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1518.648+/-0.267 χ^2/NDF:640899.7/20

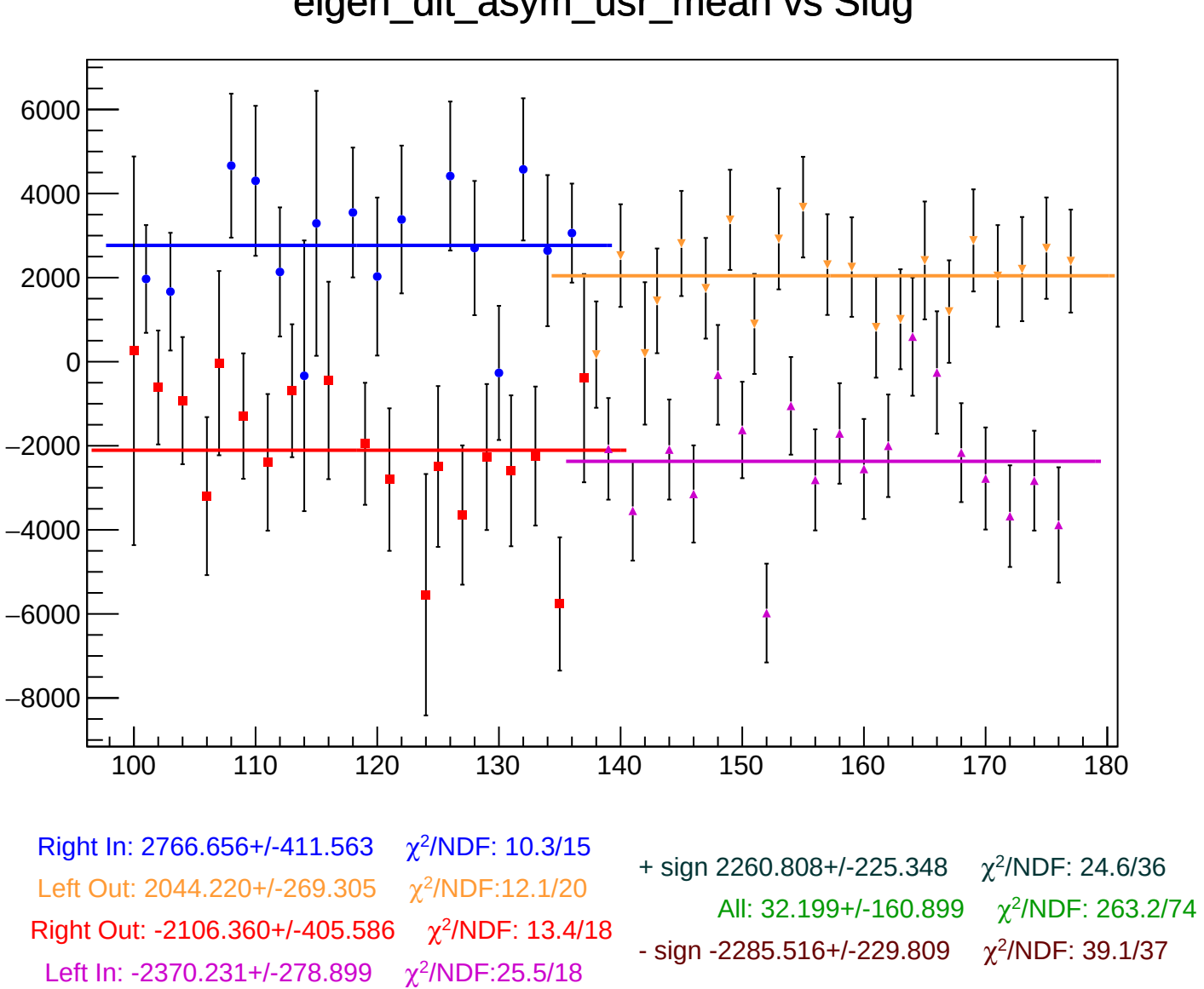
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1497.411+/-0.273 χ^2/NDF:823518.1/18

+ sign 1551.297+/-0.229 χ^2/NDF: 1398438.1/36

All: 1556.196+/-0.164 χ^2/NDF: 2870210.6/74

- sign 1561.340+/-0.235 χ^2/NDF: 1470833.7/37


eigen_dit_asym_usr_mean vs Slug
6000
4000
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−4000
−6000
−8000
100
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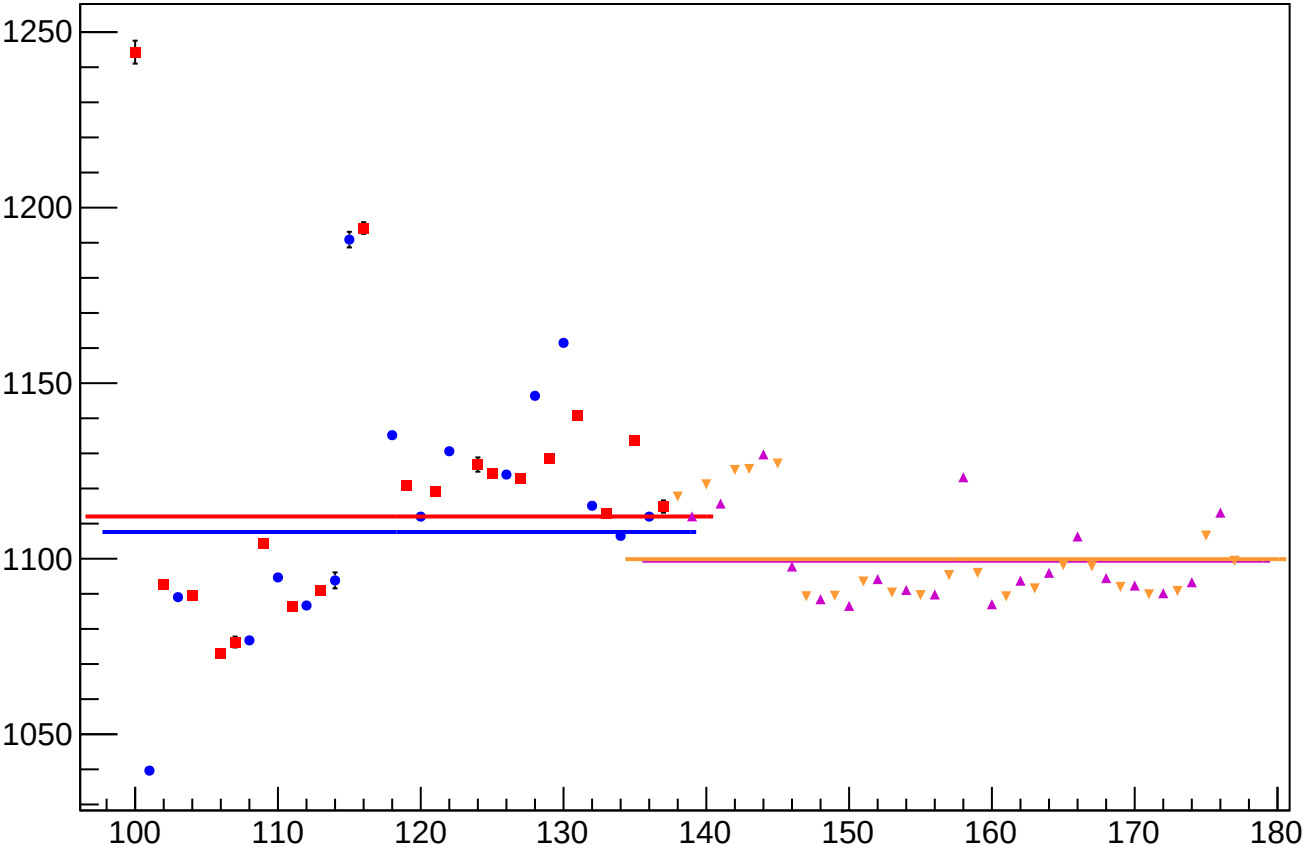
160
170
180
Right In: 2766.656+/-411.563 χ²/NDF: 10.3/15
Left Out: 2044.220+/-269.305 χ²/NDF:12.1/20
Right Out: -2106.360+/-405.586 χ²/NDF: 13.4/18
Left In: -2370.231+/-278.899 χ²/NDF:25.5/18
+ sign 2260.808+/-225.348 χ²/NDF: 24.6/36
All: 32.199+/-160.899 χ²/NDF: 263.2/74
- sign -2285.516+/-229.809 χ²/NDF: 39.1/37

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1099.878+/-0.190 χ^2/NDF:4597.2/20

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

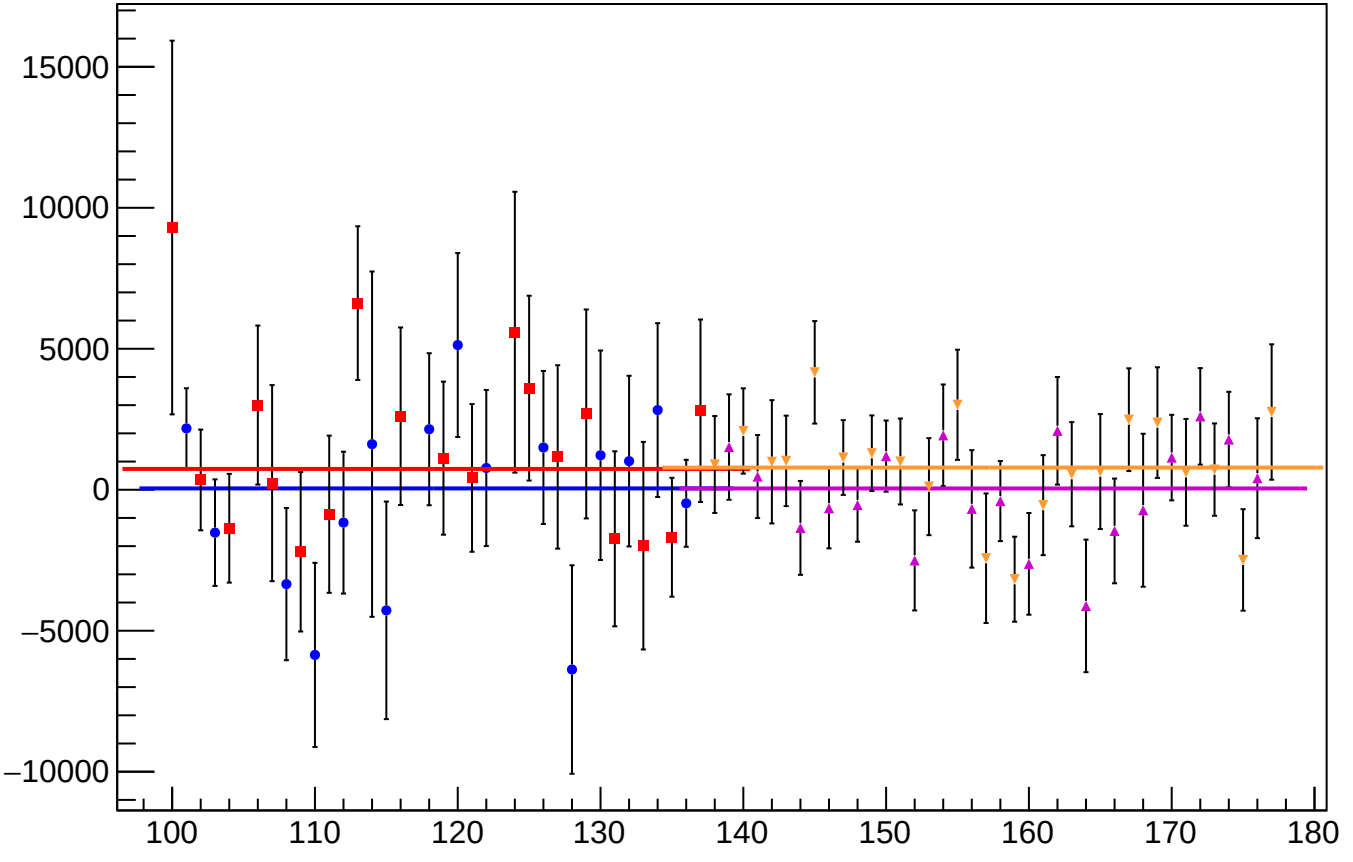
Left In: 1099.433+/-0.197 χ^2/NDF:4167.9/18

+ sign 1102.197+/-0.159 χ^2/NDF: 18312.6/36

All: 1102.824+/-0.114 χ^2/NDF: 32475.4/74

- sign 1103.477+/-0.162 χ^2/NDF: 14131.1/37

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 786.321+/-377.783 χ^2/NDF:20.9/20

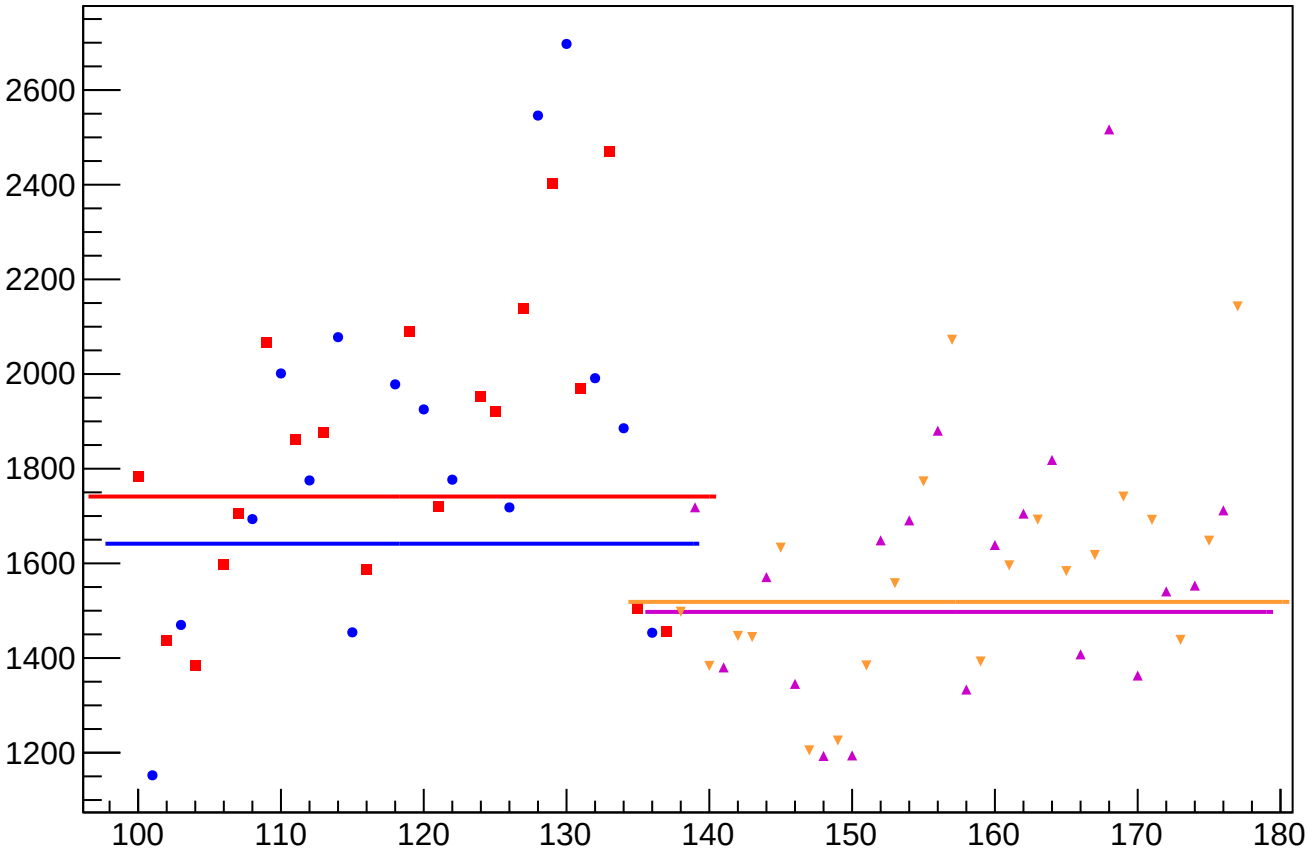
Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 45.585+/-386.206 χ^2/NDF:17.1/18

+ sign 590.111+/-323.731 χ^2/NDF: 38.8/36

All: 413.085+/-231.687 χ^2/NDF: 72.3/74

- sign 227.207+/-331.726 χ^2/NDF: 32.9/37



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1518.651+/-0.267 χ^2/NDF:640903.7/20

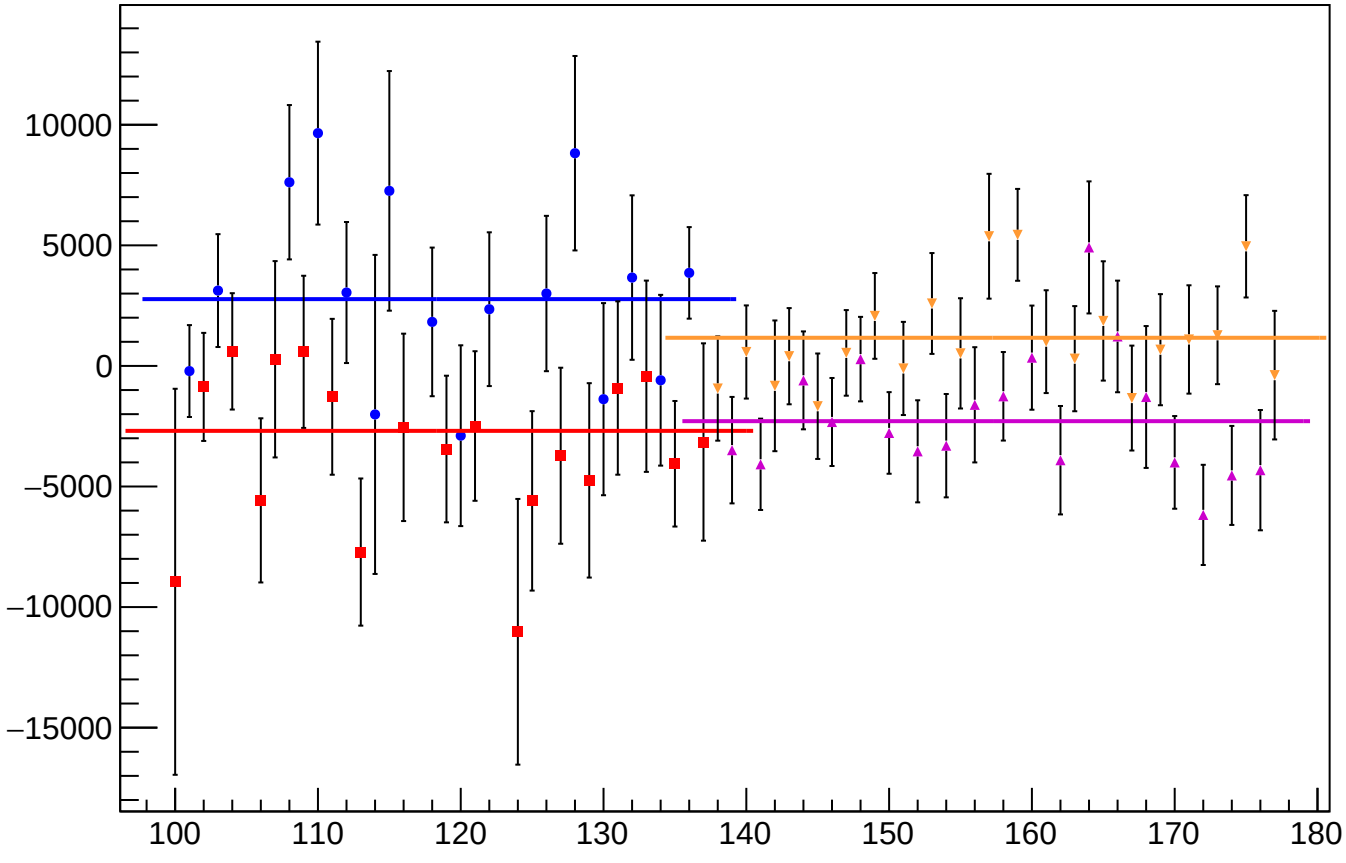
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1497.415+/-0.273 χ^2/NDF:823523.8/18

+ sign 1551.300+/-0.229 χ^2/NDF: 1398424.6/36

All: 1556.199+/-0.164 χ^2/NDF: 2870181.9/74

- sign 1561.343+/-0.235 χ^2/NDF: 1470818.4/37



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1167.182+/-465.097 χ^2/NDF:17.6/20

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

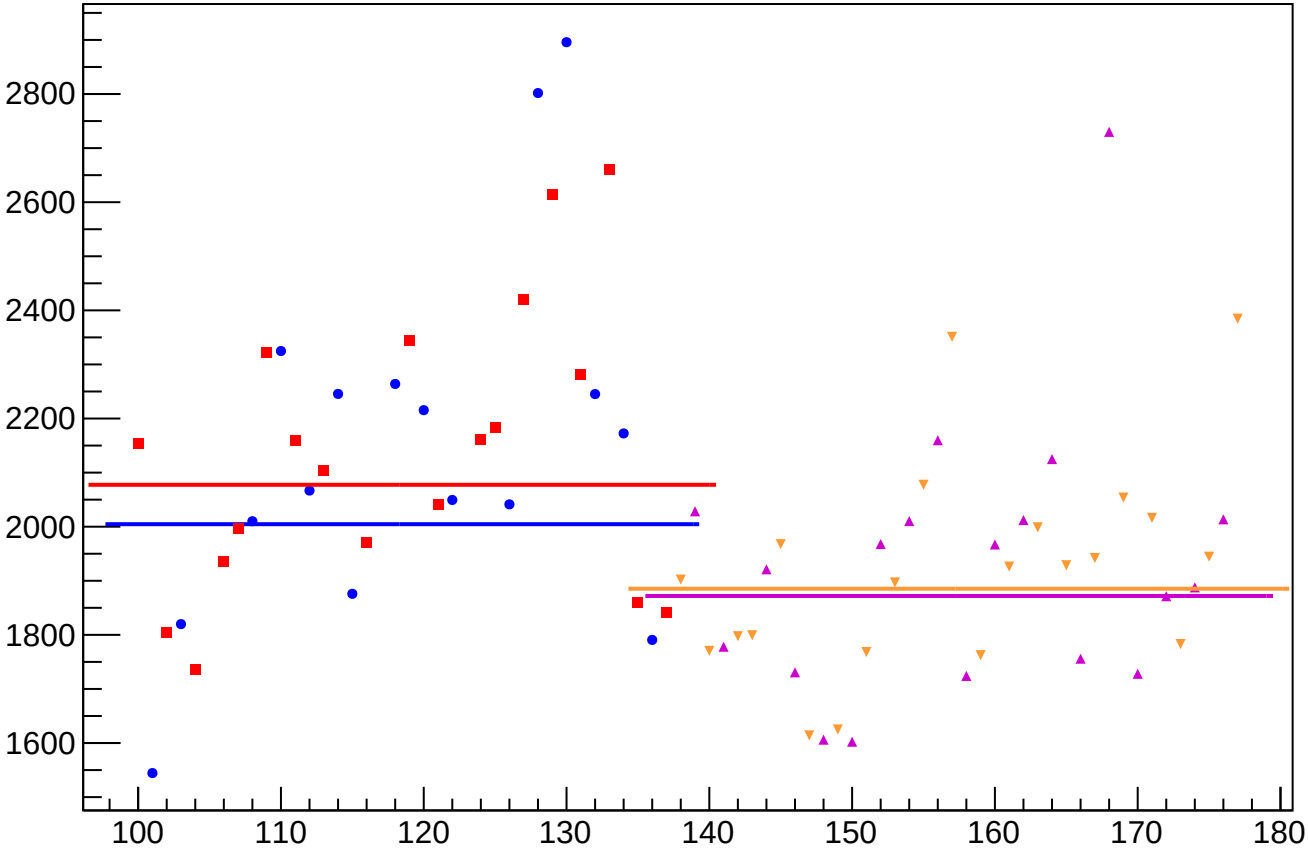
Left In: -2290.645+/-478.731 χ^2/NDF:22.6/18

+ sign 1606.309+/-396.294 χ^2/NDF: 37.3/36

All: -350.489+/-283.568 χ^2/NDF: 122.6/74

- sign -2403.606+/-405.931 χ^2/NDF: 35.3/37

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1885.317+/-0.329 χ^2/NDF:302413.3/20

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

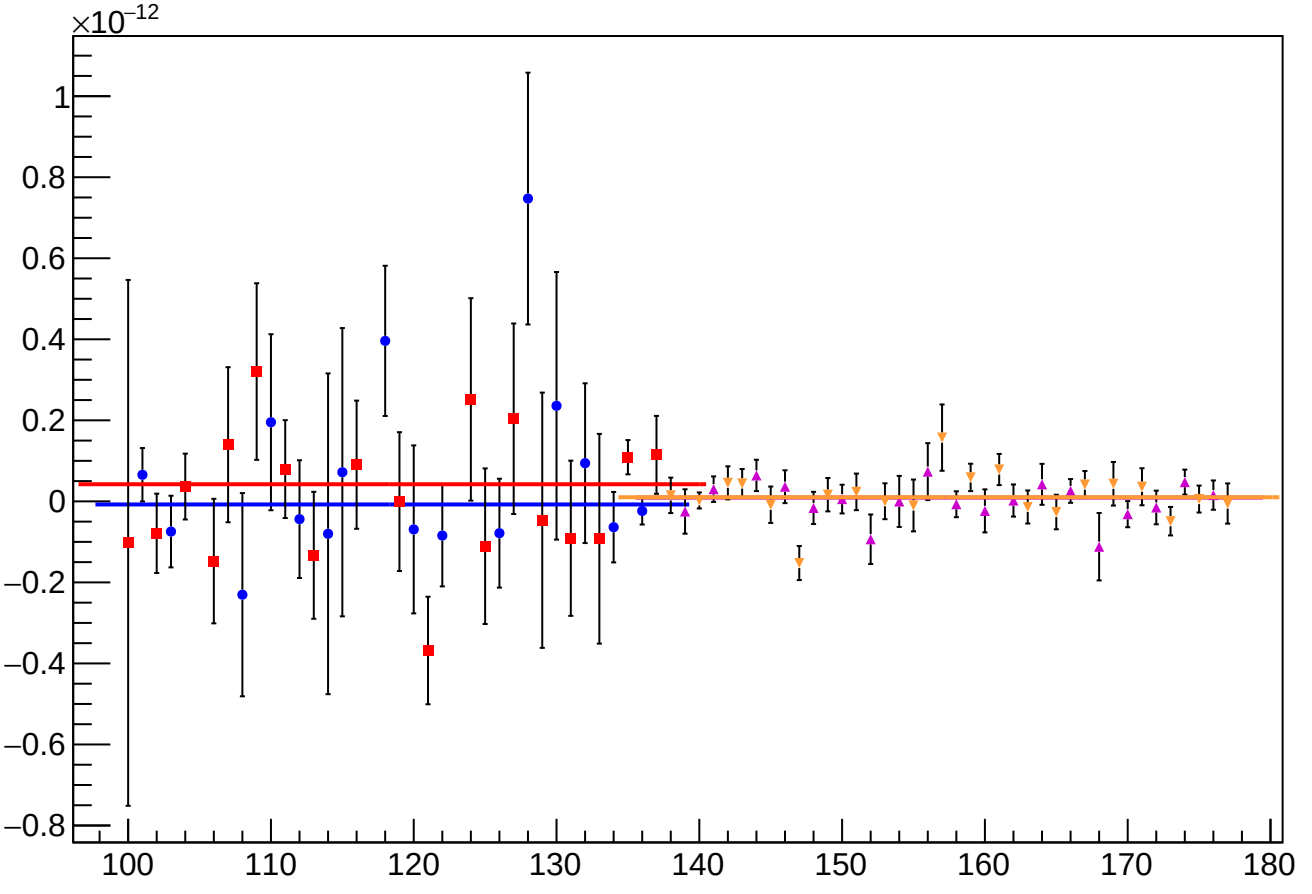
Left In: 1871.947+/-0.339 χ^2/NDF:401119.7/18

+ sign 1918.007+/-0.280 χ^2/NDF: 726044.9/36

All: 1923.718+/-0.201 χ^2/NDF: 1462113.0/74

- sign 1929.710+/-0.287 χ^2/NDF: 735217.0/37

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.3/20

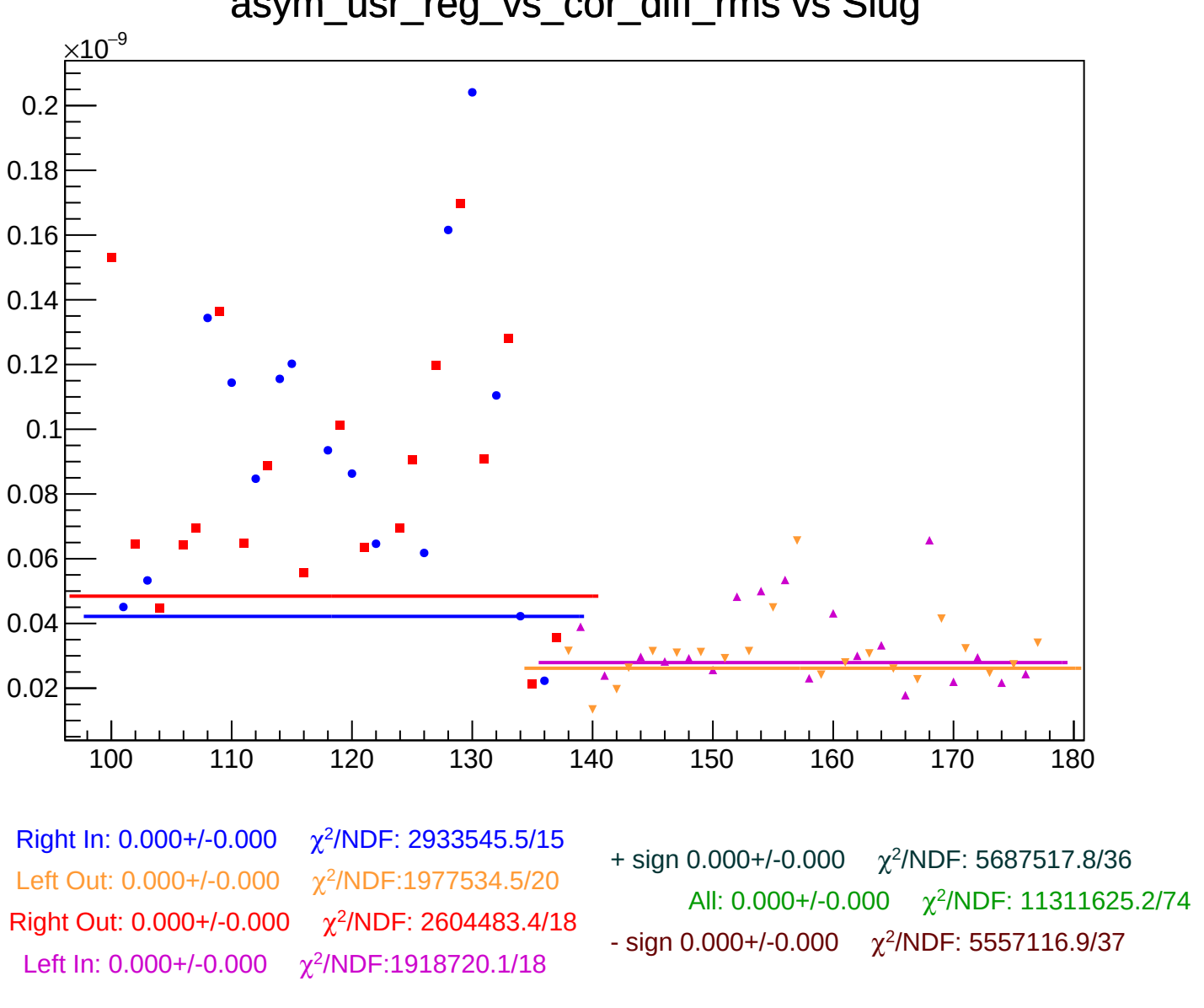
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

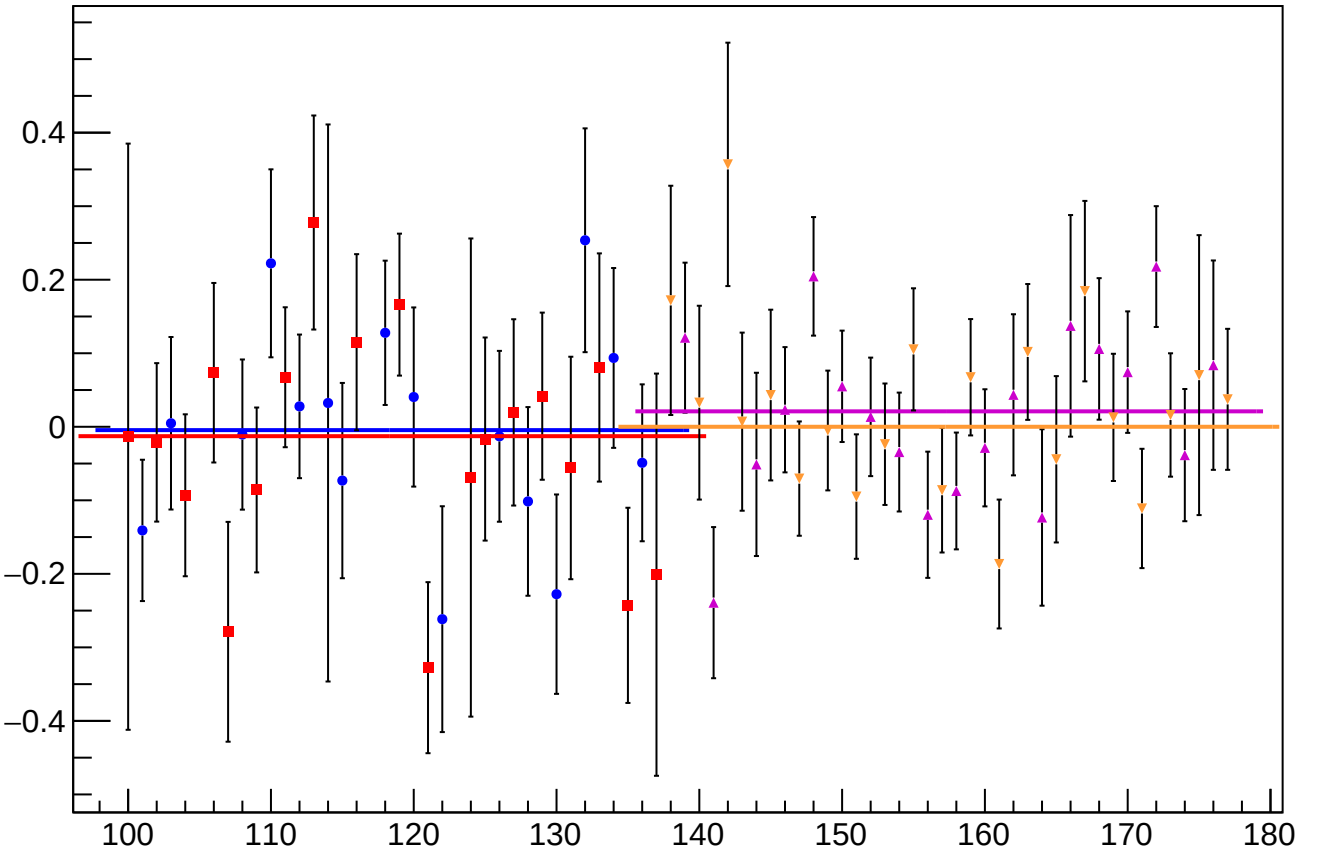
Left In: 0.000+/-0.000 χ^2/NDF:14.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 48.2/36

All: 0.000+/-0.000 χ^2/NDF: 85.9/74

- sign 0.000+/-0.000 χ^2/NDF: 37.5/37


asym_usr_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2933545.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1977534.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2604483.4/18
Left In: 0.000+/-0.000 χ²/NDF:1918720.1/18
+ sign 0.000+/-0.000 χ²/NDF: 5687517.8/36
All: 0.000+/-0.000 χ²/NDF: 11311625.2/74
- sign 0.000+/-0.000 χ²/NDF: 5557116.9/37



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.021 χ^2/NDF:22.0/20

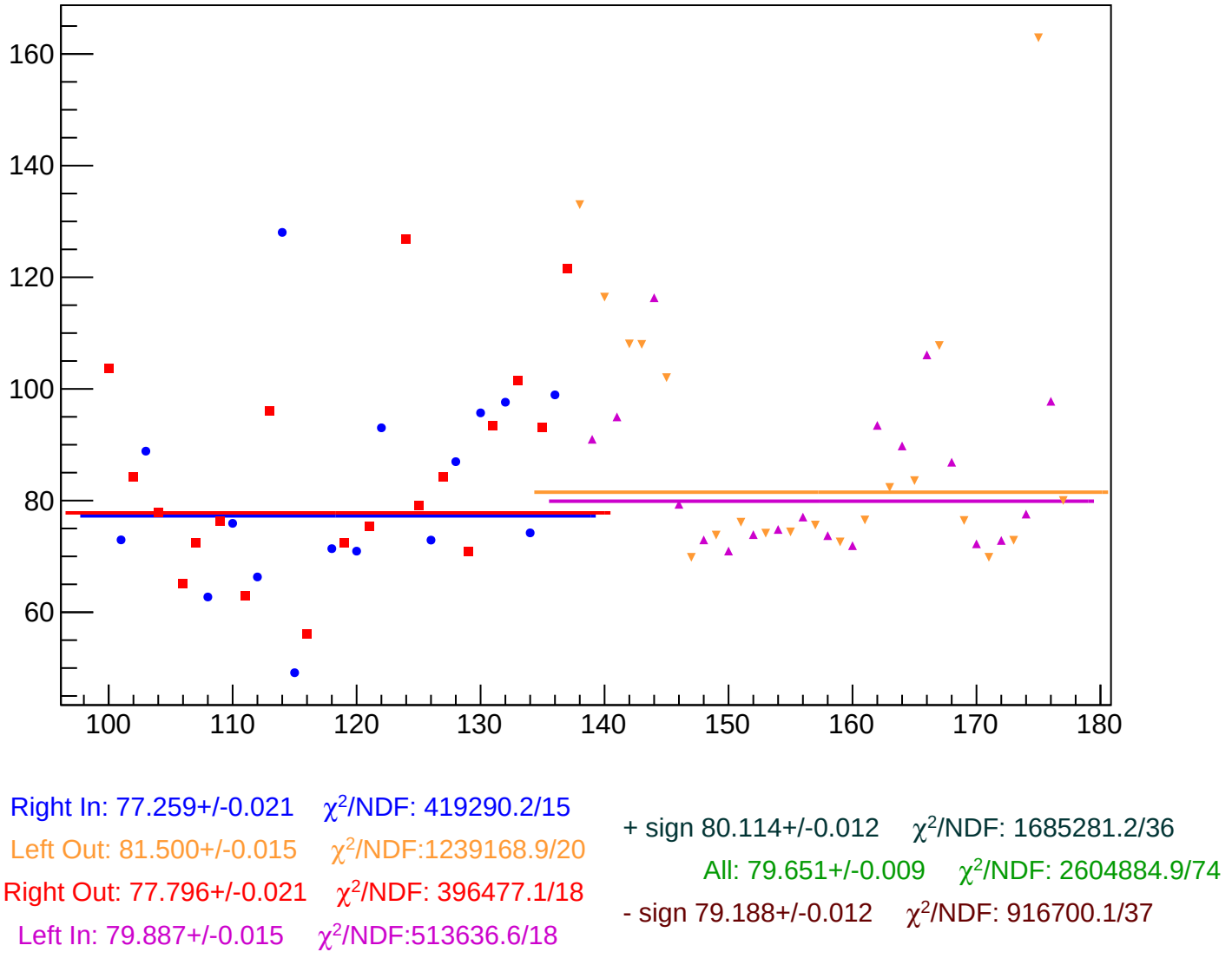
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.021+/-0.021 χ^2/NDF:28.2/18

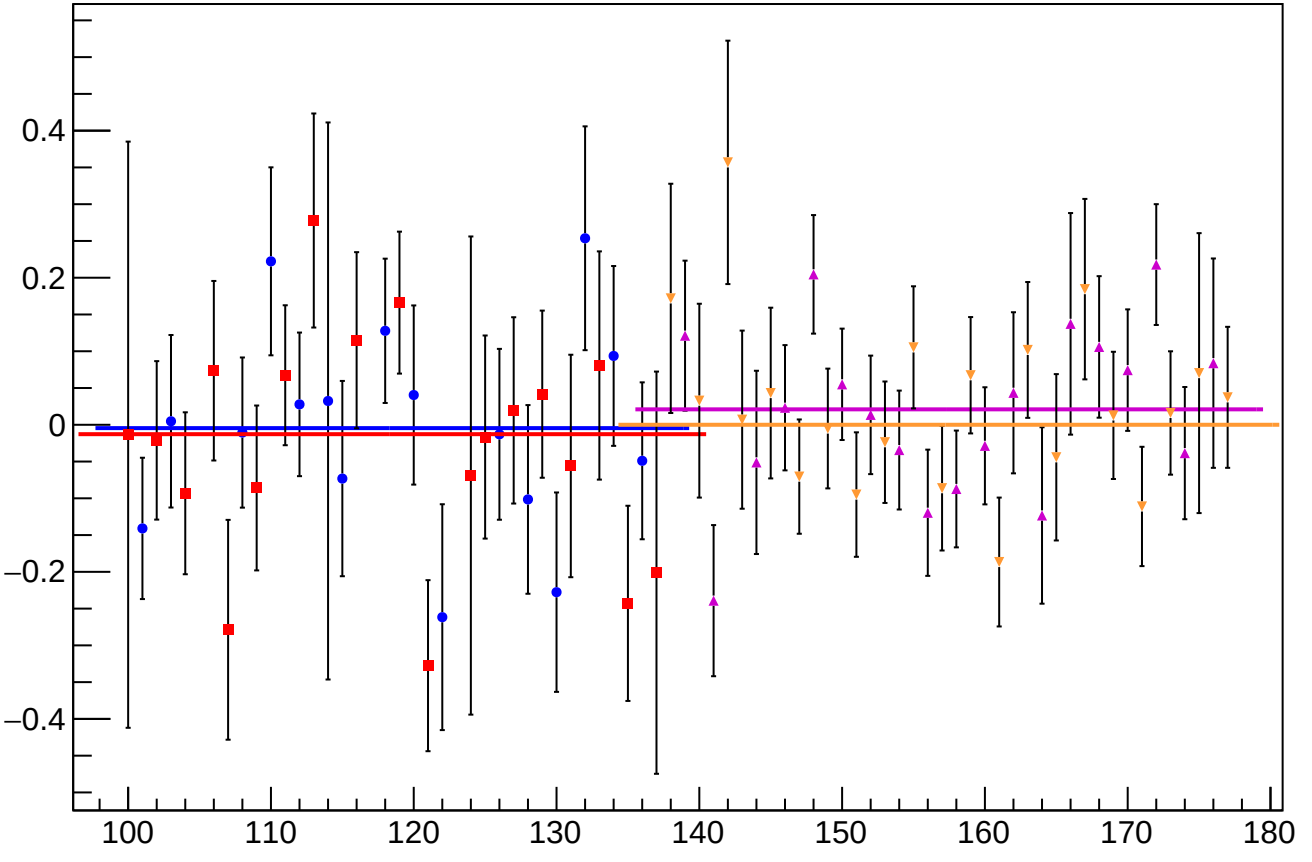
+ sign -0.001+/-0.017 χ^2/NDF: 39.3/36

All: 0.004+/-0.012 χ^2/NDF: 94.0/74

- sign 0.010+/-0.017 χ^2/NDF: 54.5/37


asym_usr_dit_vs_cor_diff_rms vs Slug
160
140
120
100
80
60
100
110
120
130
140
150
160
170
180
Right In: 77.259+/-0.021 χ²/NDF: 419290.2/15
Left Out: 81.500+/-0.015 χ²/NDF:1239168.9/20
Right Out: 77.796+/-0.021 χ²/NDF: 396477.1/18
Left In: 79.887+/-0.015 χ²/NDF:513636.6/18
+ sign 80.114+/-0.012 χ²/NDF: 1685281.2/36
All: 79.651+/-0.009 χ²/NDF: 2604884.9/74
- sign 79.188+/-0.012 χ²/NDF: 916700.1/37

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.021 χ^2/NDF:22.0/20

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

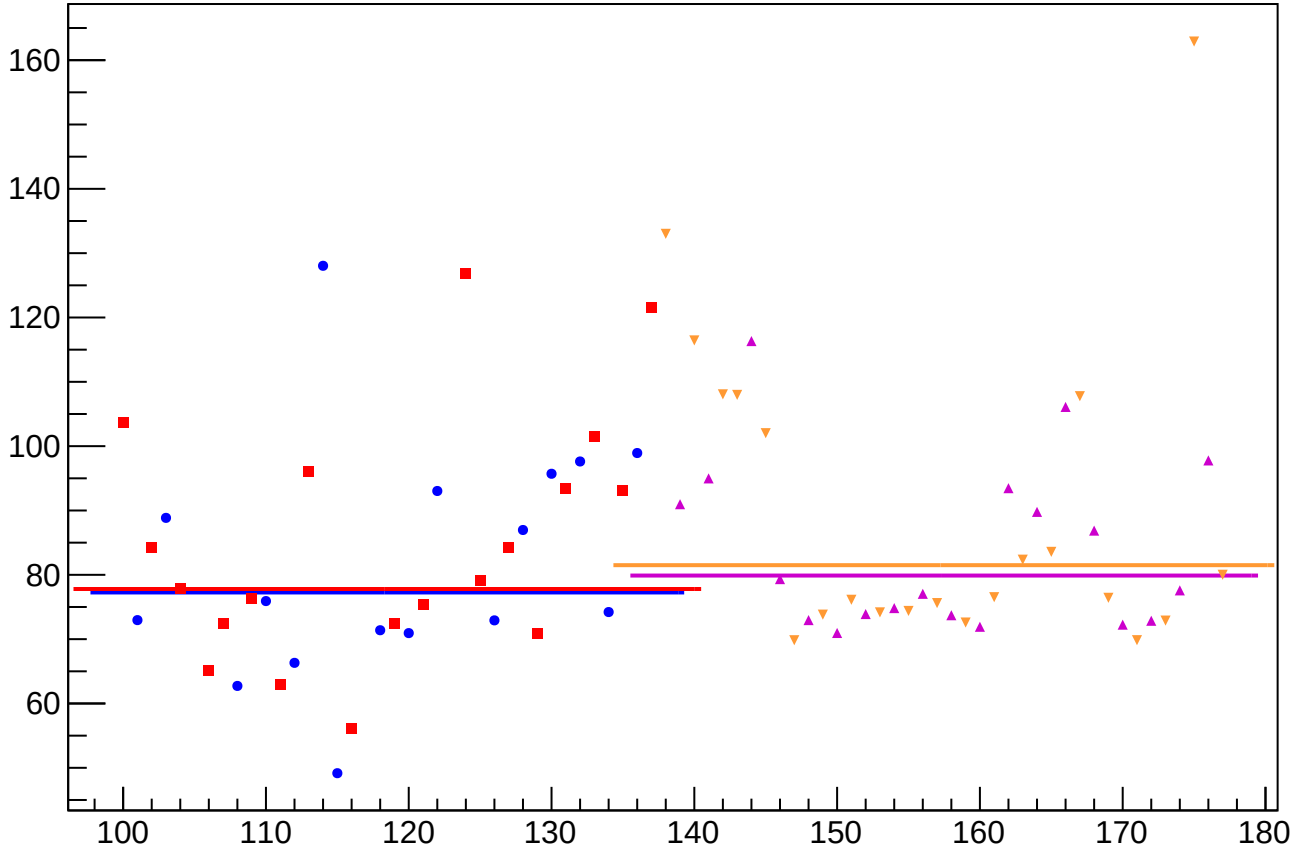
Left In: 0.021+/-0.021 χ^2/NDF:28.2/18

+ sign -0.001+/-0.017 χ^2/NDF: 39.3/36

All: 0.004+/-0.012 χ^2/NDF: 94.0/74

- sign 0.010+/-0.017 χ^2/NDF: 54.5/37

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.500+/-0.015 χ^2/NDF:1239168.9/20

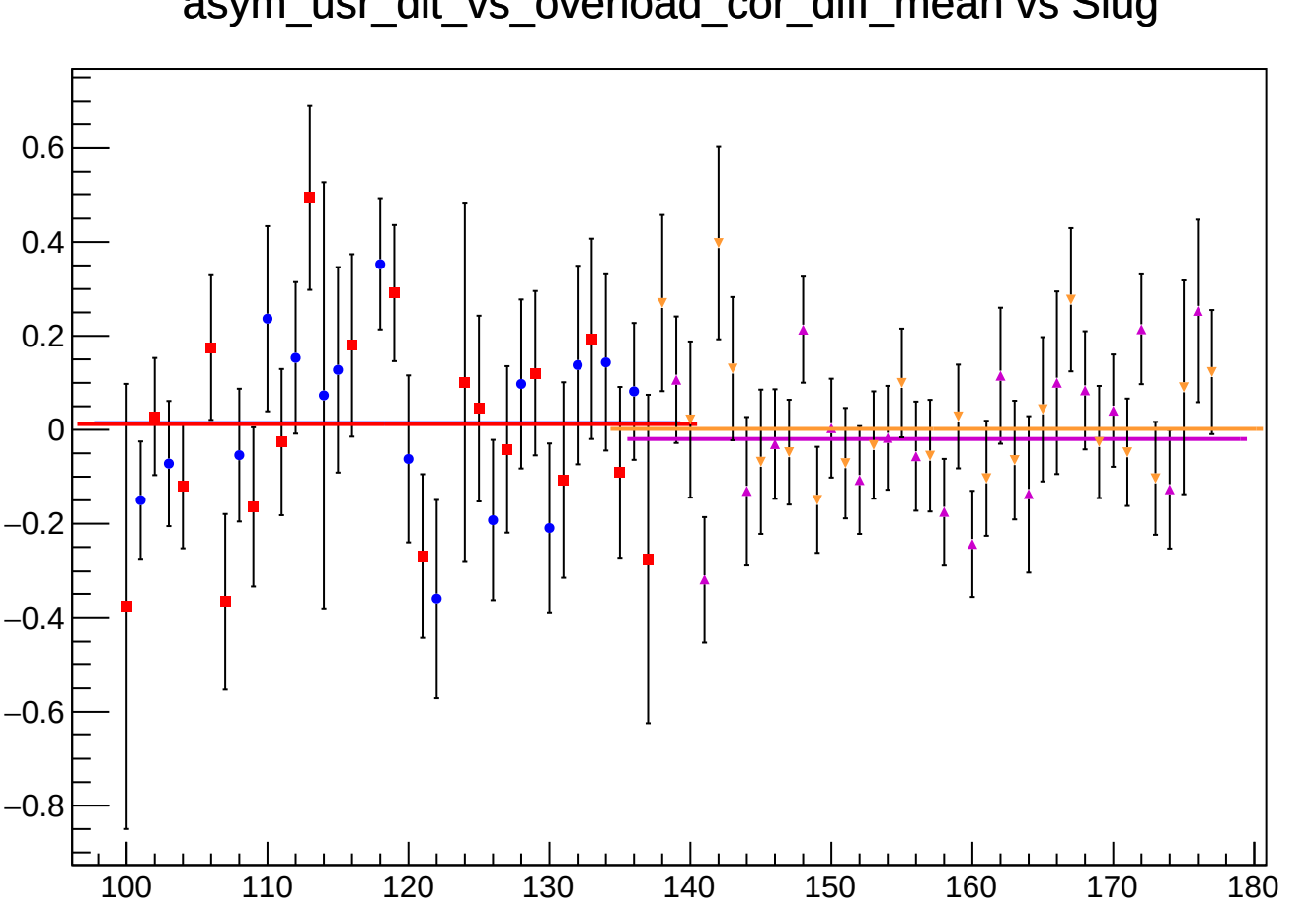
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.887+/-0.015 χ^2/NDF:513636.6/18

+ sign 80.114+/-0.012 χ^2/NDF: 1685281.2/36

All: 79.651+/-0.009 χ^2/NDF: 2604884.9/74

- sign 79.188+/-0.012 χ^2/NDF: 916700.1/37



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.002+/-0.029 χ^2/NDF:16.5/20

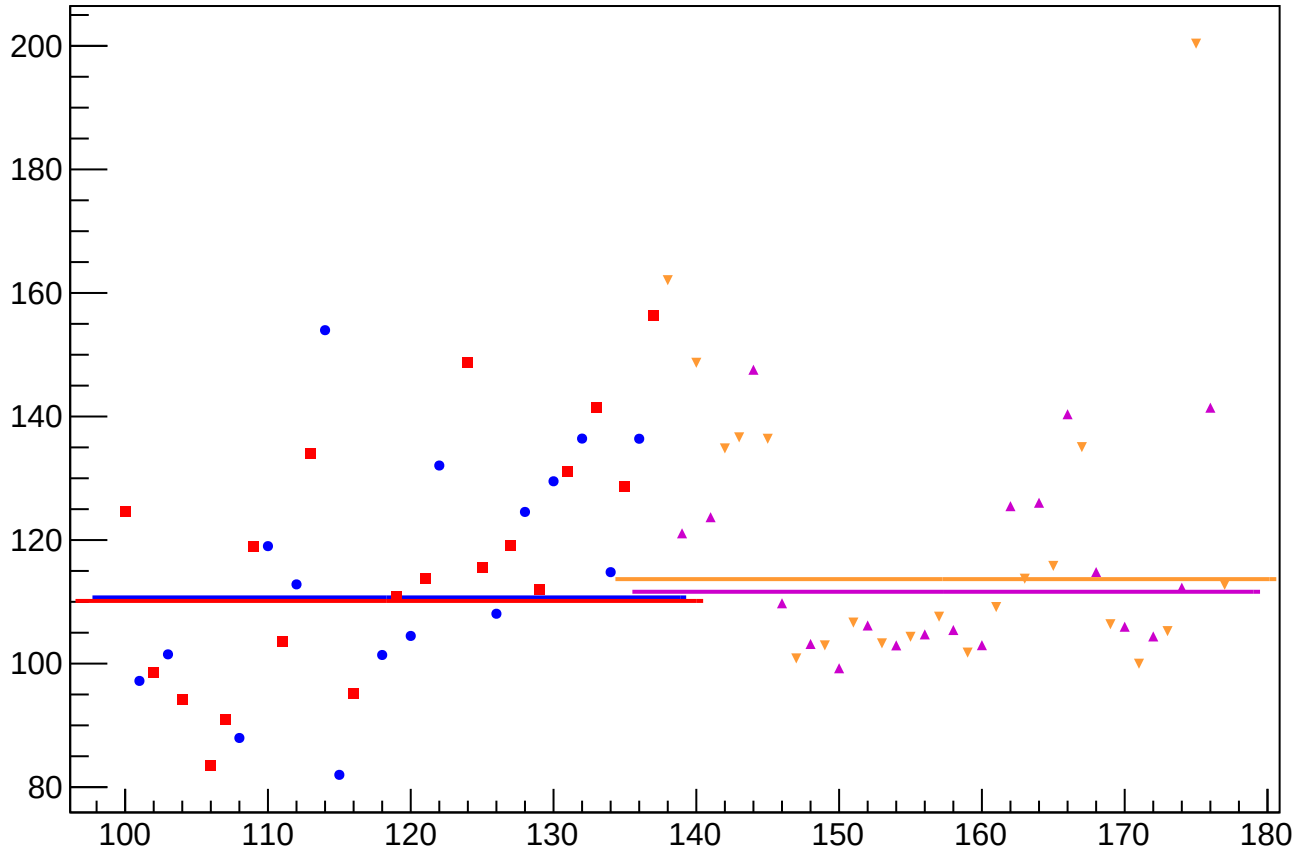
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.019+/-0.029 χ^2/NDF:26.6/18

+ sign 0.006+/-0.024 χ^2/NDF: 34.7/36

All: -0.002+/-0.017 χ^2/NDF: 85.6/74

- sign -0.009+/-0.024 χ^2/NDF: 50.7/37



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.675+/-0.020 χ^2/NDF:819985.2/20

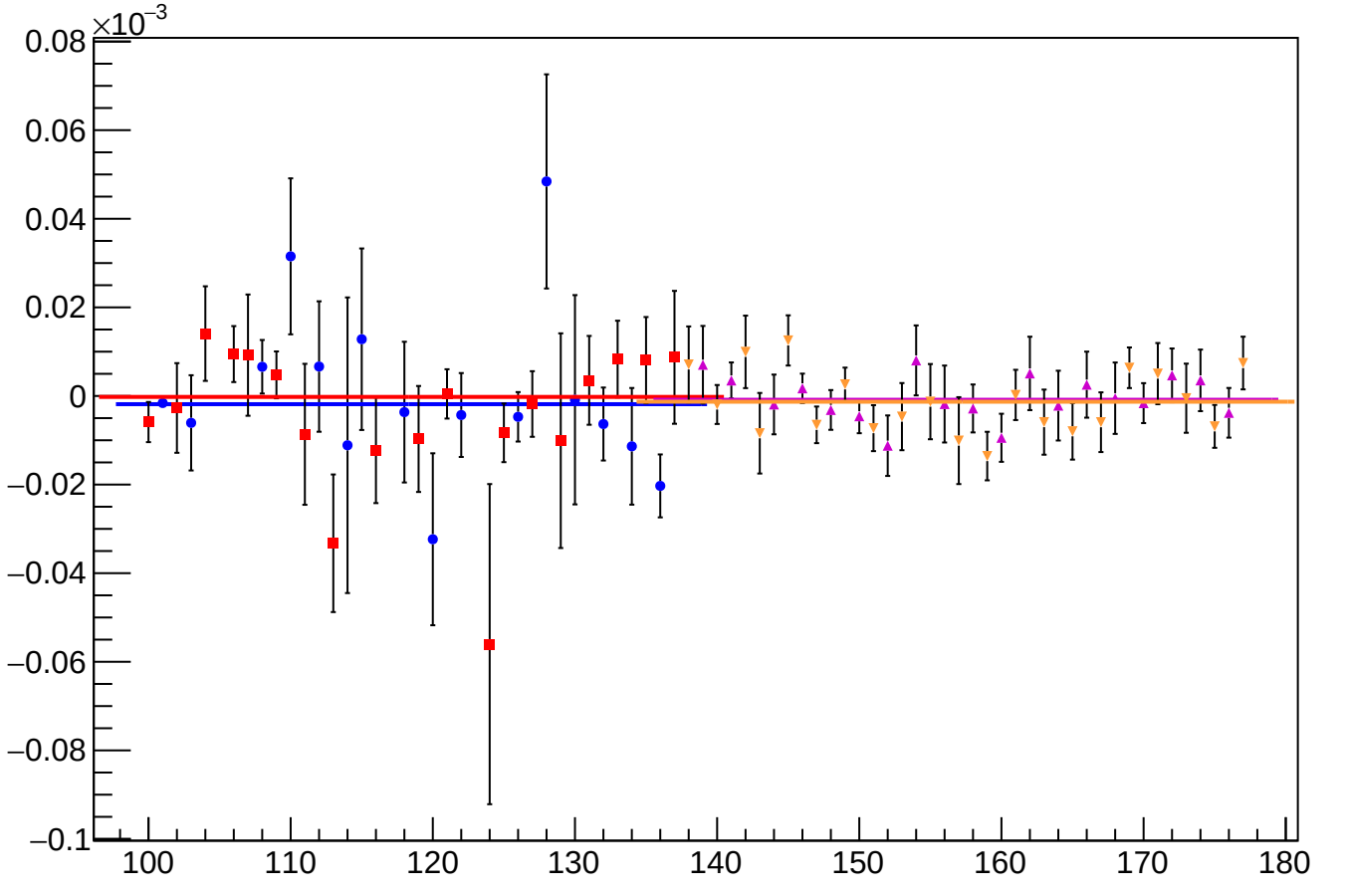
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 111.628+/-0.021 χ^2/NDF:349264.7/18

+ sign 112.741+/-0.017 χ^2/NDF: 1126674.3/36

All: 111.940+/-0.012 χ^2/NDF: 1808953.5/74

- sign 111.138+/-0.017 χ^2/NDF: 677718.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

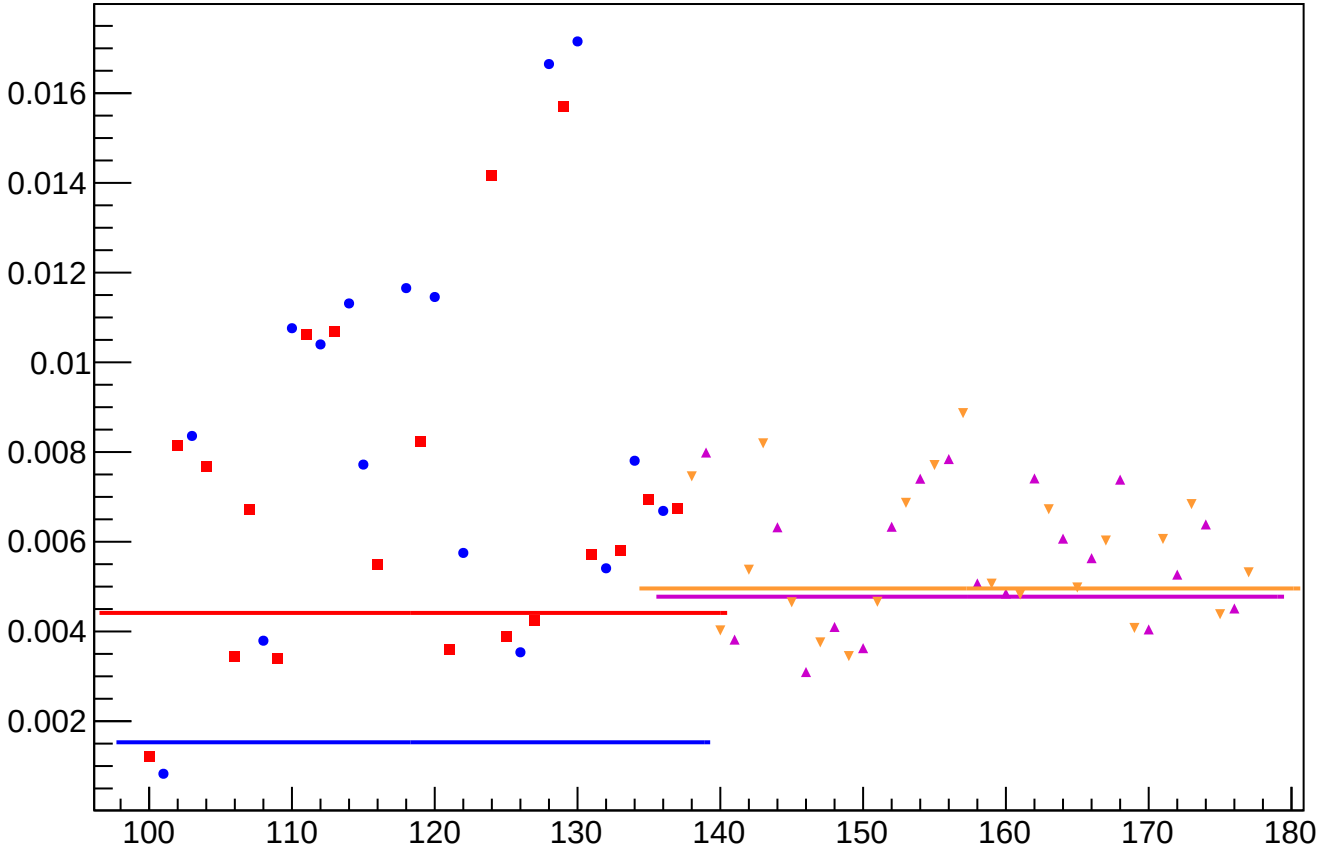
Left In: -0.000+/-0.000 χ^2/NDF:12.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 50.1/36

All: -0.000+/-0.000 χ^2/NDF: 82.9/74

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

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:2117788.7/20

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

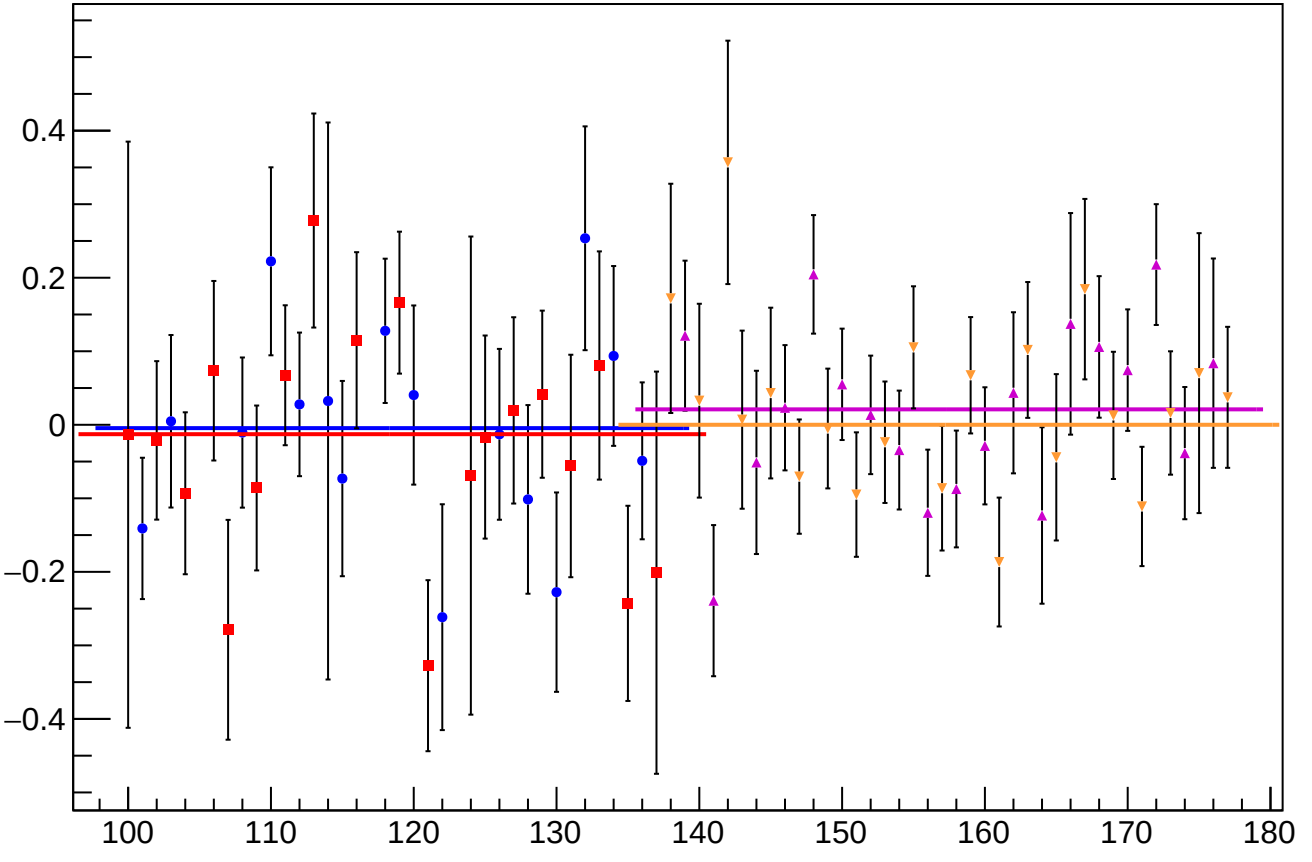
Left In: 0.005+/-0.000 χ^2/NDF:2475776.3/18

+ sign 0.003+/-0.000 χ^2/NDF: 20495744.8/36

All: 0.003+/-0.000 χ^2/NDF: 30469248.3/74

- sign 0.005+/-0.000 χ^2/NDF: 5912965.0/37

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.021 χ^2/NDF:22.0/20

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

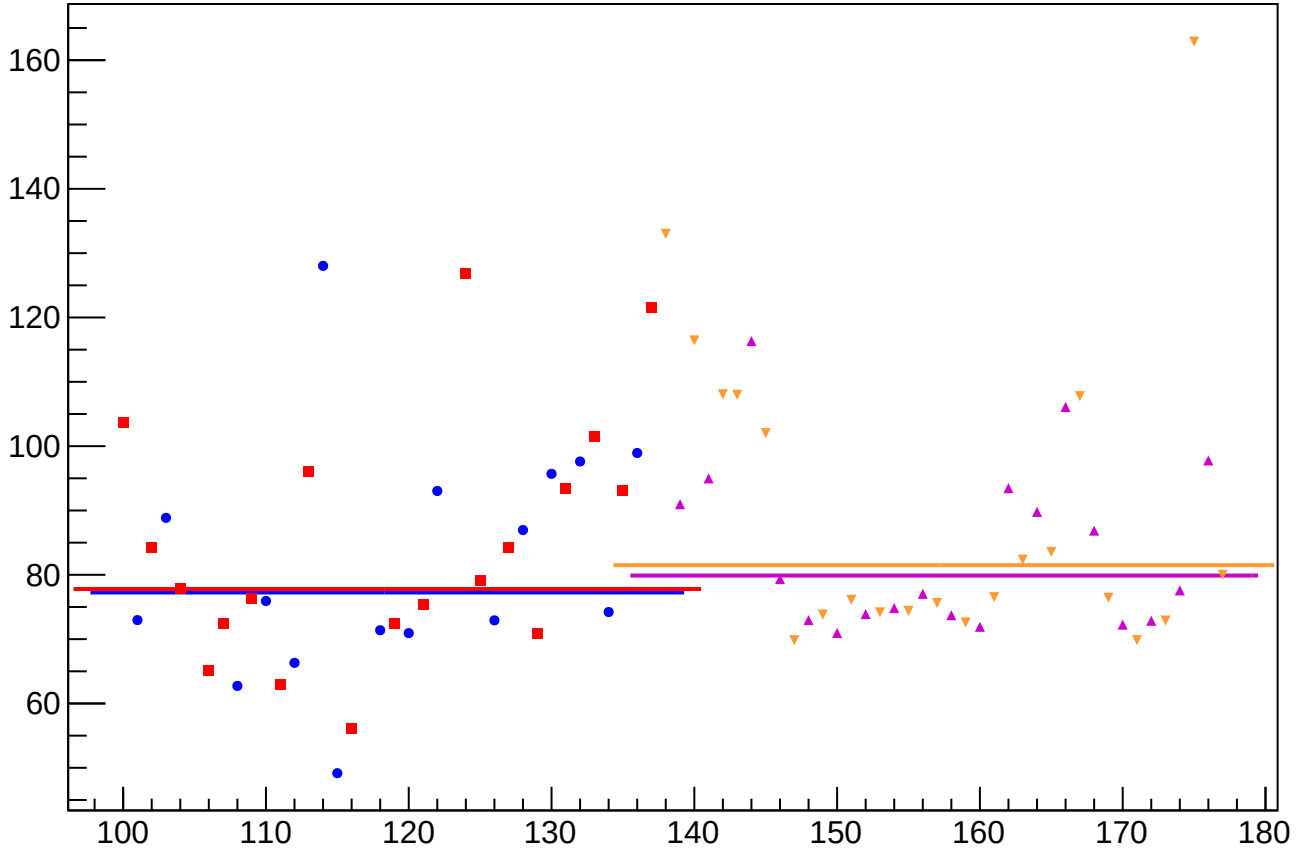
Left In: 0.021+/-0.021 χ^2/NDF:28.2/18

+ sign -0.001+/-0.017 χ^2/NDF: 39.3/36

All: 0.004+/-0.012 χ^2/NDF: 94.0/74

- sign 0.010+/-0.017 χ^2/NDF: 54.5/37

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.501+/-0.015 χ^2/NDF:1239167.6/20

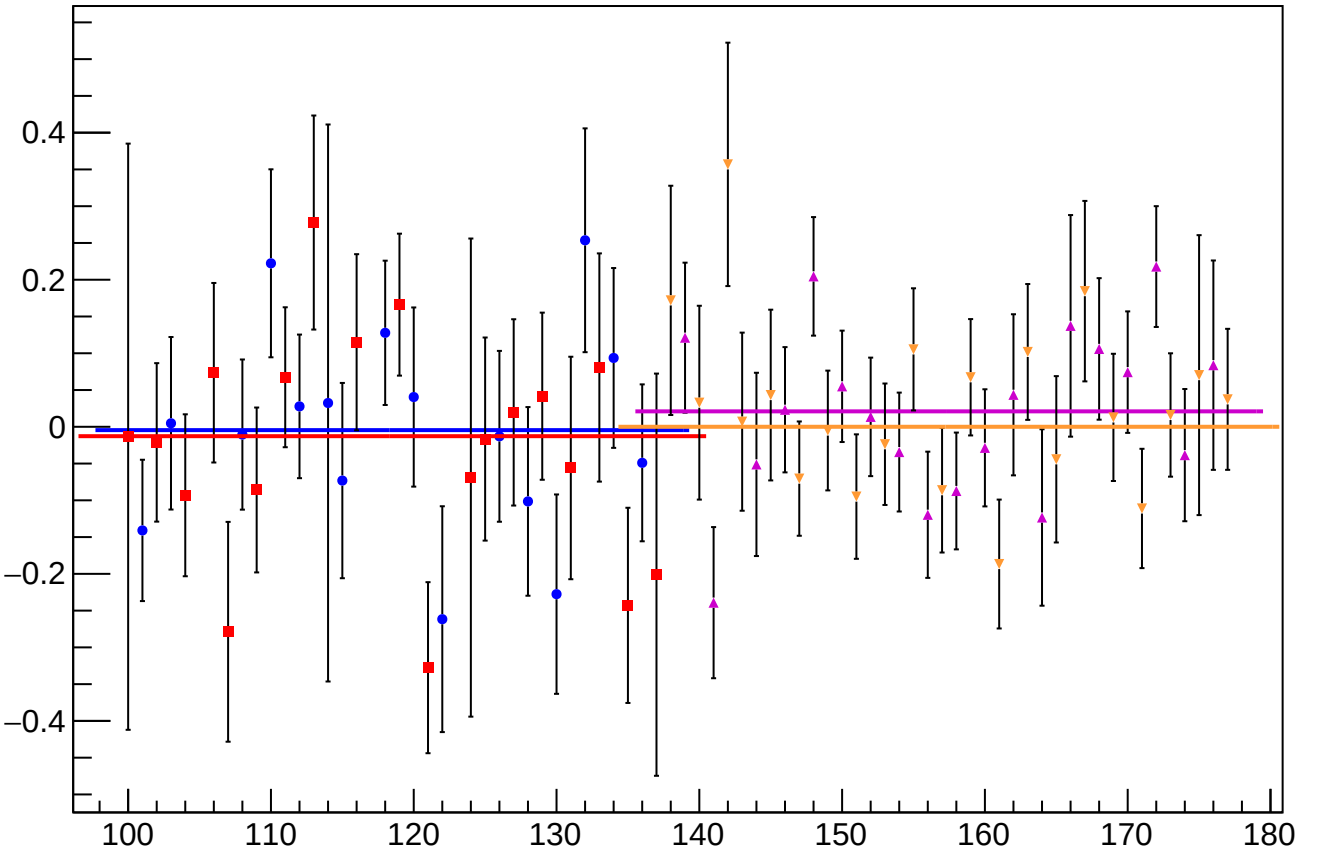
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.887+/-0.015 χ^2/NDF:513637.3/18

+ sign 80.114+/-0.012 χ^2/NDF: 1685294.9/36

All: 79.651+/-0.009 χ^2/NDF: 2604909.8/74

- sign 79.188+/-0.012 χ^2/NDF: 916710.8/37



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.021 χ^2/NDF:22.0/20

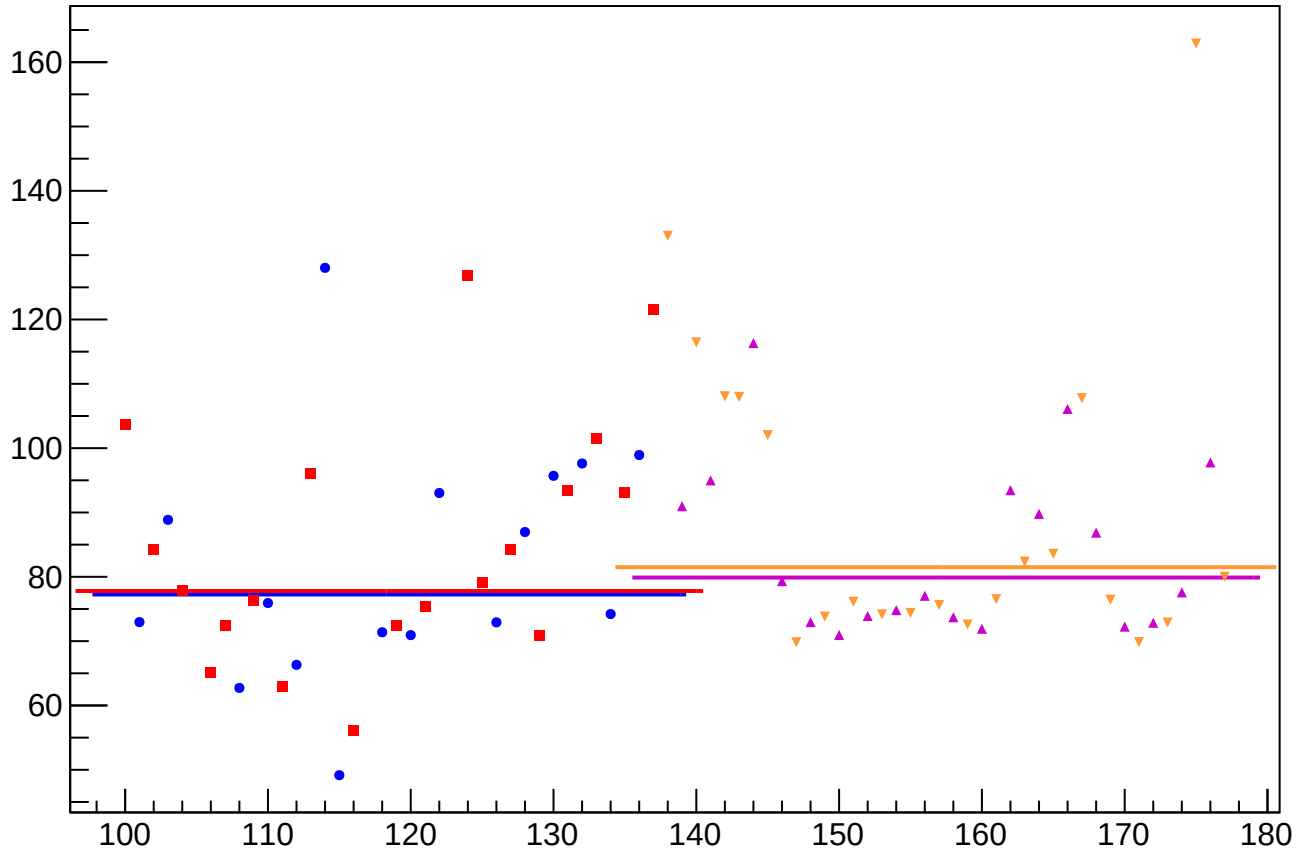
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.021+/-0.021 χ^2/NDF:28.2/18

\+ sign -0.001+/-0.017 χ^2/NDF: 39.3/36

All: 0.004+/-0.012 χ^2/NDF: 94.0/74

\- sign 0.010+/-0.017 χ^2/NDF: 54.5/37



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.501+/-0.015 χ^2/NDF:1239167.6/20

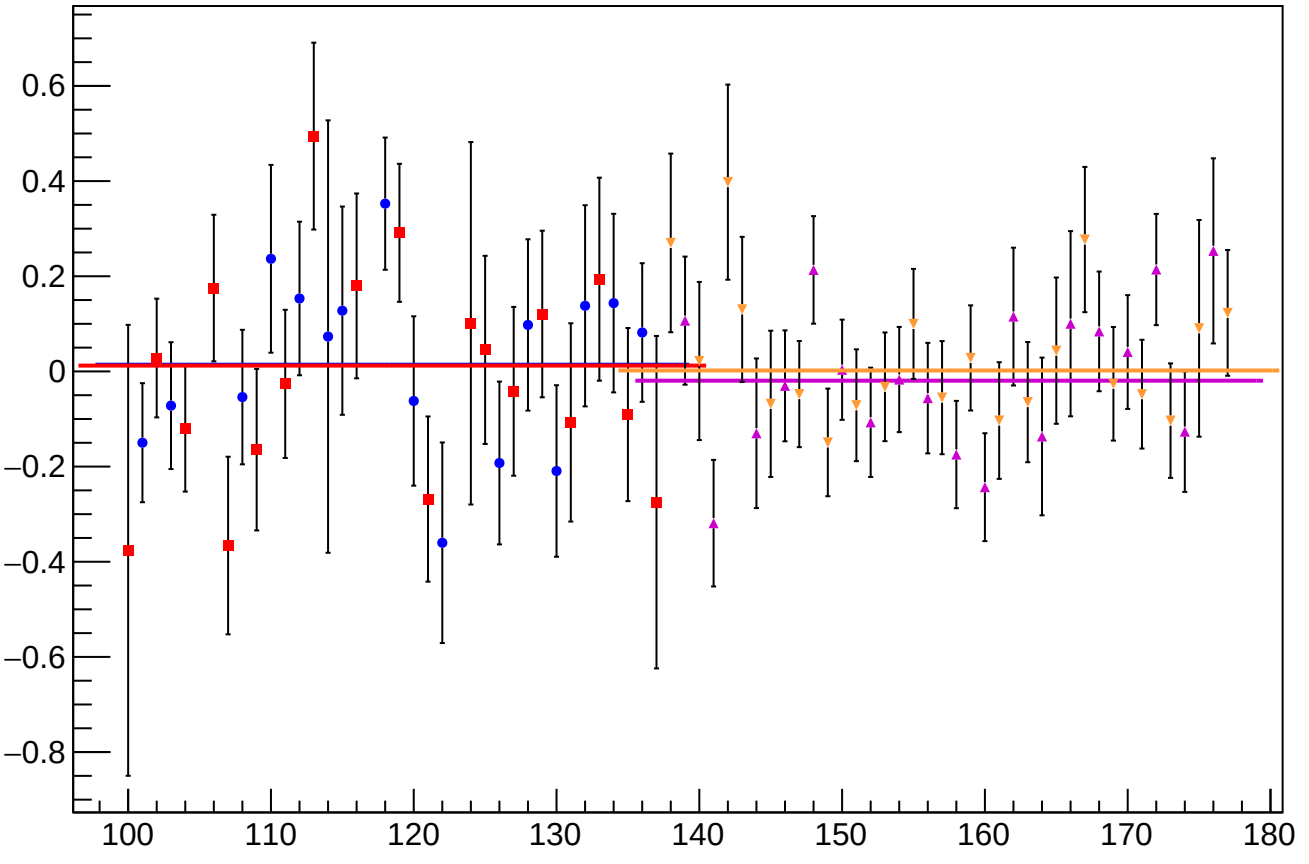
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.887+/-0.015 χ^2/NDF:513637.3/18

+ sign 80.114+/-0.012 χ^2/NDF: 1685294.9/36

All: 79.651+/-0.009 χ^2/NDF: 2604909.8/74

- sign 79.188+/-0.012 χ^2/NDF: 916710.8/37



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.002+/-0.029 χ^2/NDF:16.5/20

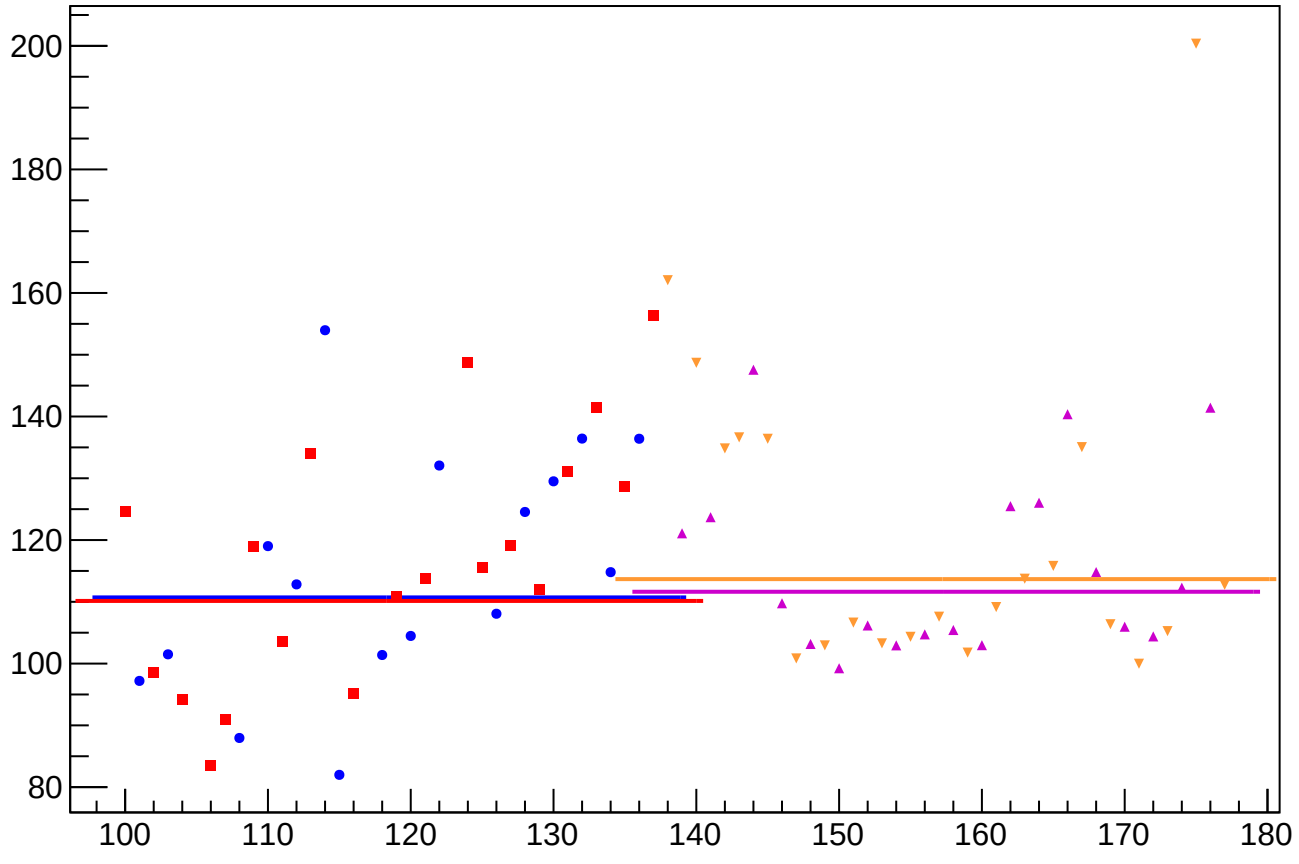
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.019+/-0.029 χ^2/NDF:26.6/18

+ sign 0.006+/-0.024 χ^2/NDF: 34.7/36

All: -0.002+/-0.017 χ^2/NDF: 85.6/74

- sign -0.009+/-0.024 χ^2/NDF: 50.7/37



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.675+/-0.020 χ^2/NDF:819983.6/20

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

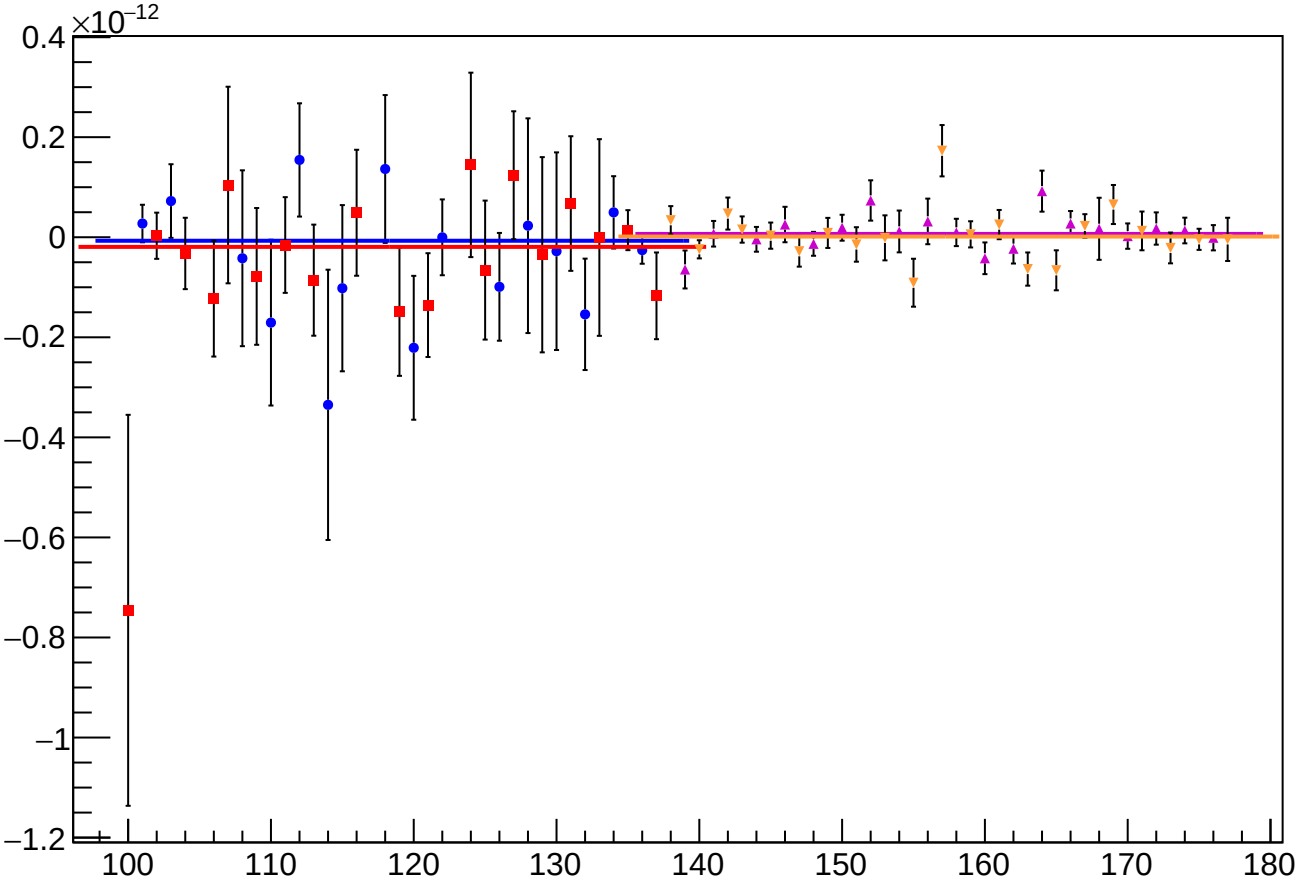
Left In: 111.629+/-0.021 χ^2/NDF:349266.4/18

\+ sign 112.741+/-0.017 χ^2/NDF: 1126654.5/36

All: 111.940+/-0.012 χ^2/NDF: 1808908.4/74

\- sign 111.138+/-0.017 χ^2/NDF: 677693.3/37

asym_usr_eigen_cor_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:33.3/20

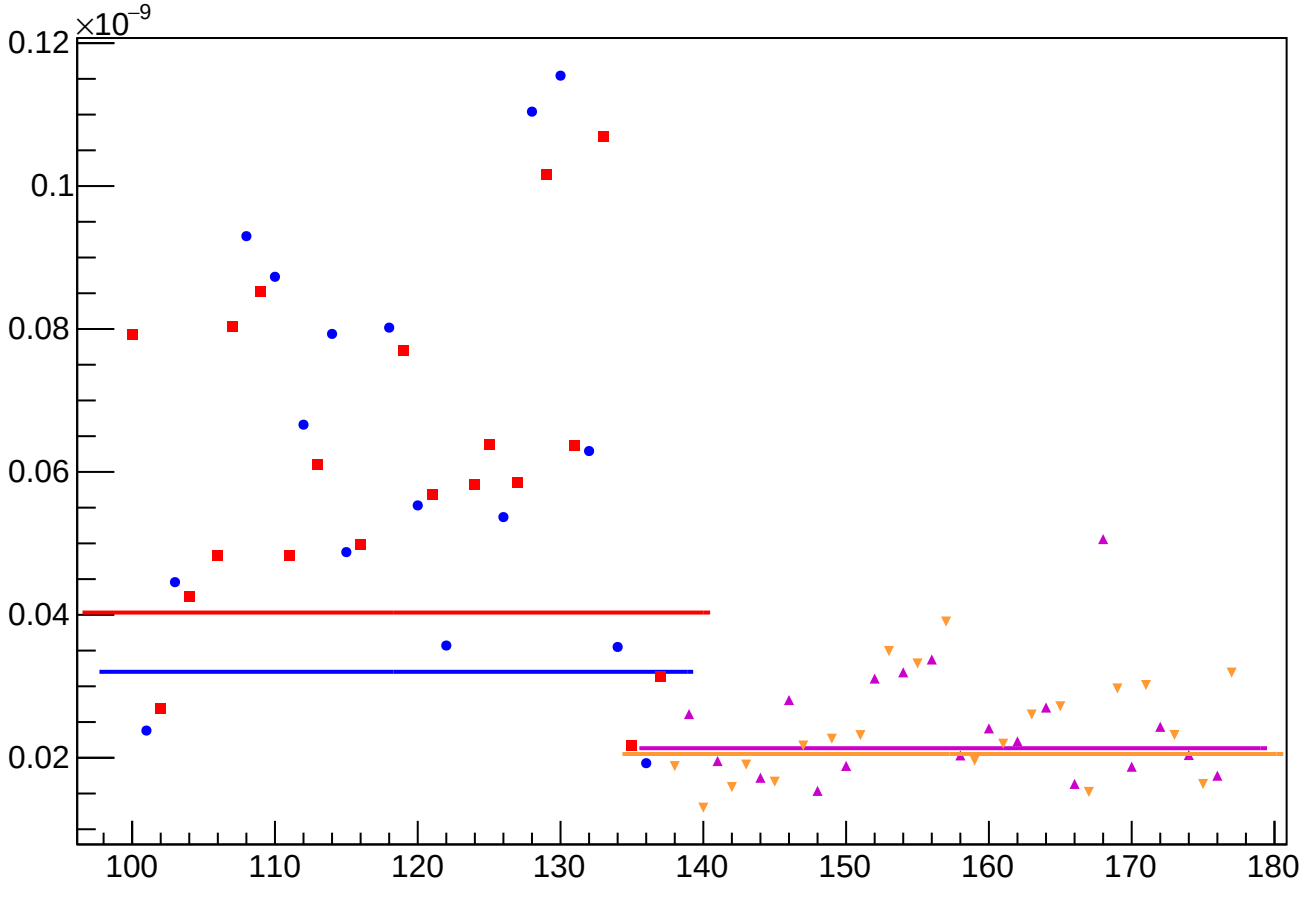
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/36

All: 0.000+/-0.000 χ^2/NDF: 78.0/74

- sign 0.000+/-0.000 χ^2/NDF: 30.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1760782.1/20

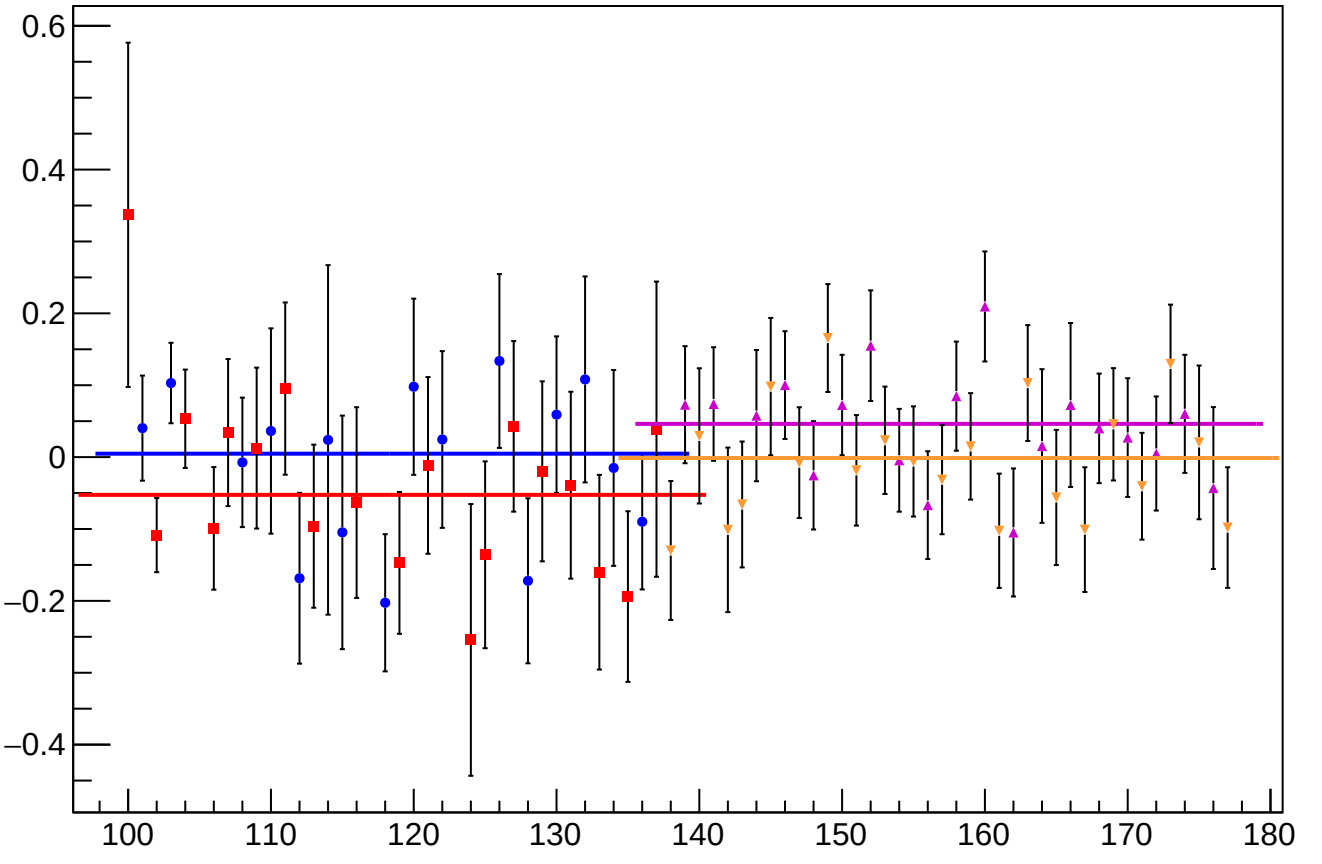
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1378539.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 4947486.6/36

All: 0.000+/-0.000 χ^2/NDF: 9694510.0/74

- sign 0.000+/-0.000 χ^2/NDF: 4705654.0/37



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.001+/-0.018 χ^2/NDF:19.1/20

Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

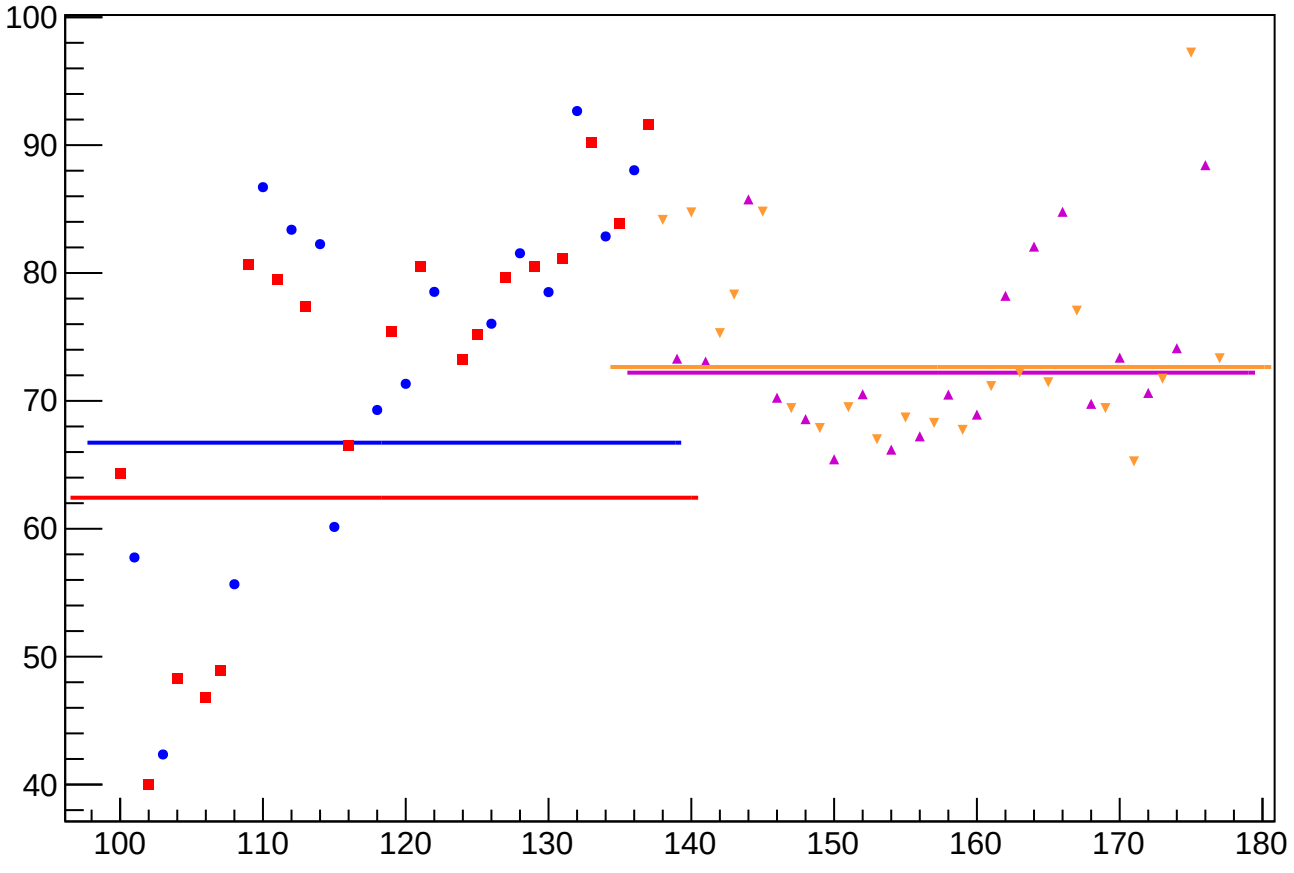
Left In: 0.046+/-0.019 χ^2/NDF:15.4/18

+ sign 0.001+/-0.015 χ^2/NDF: 35.7/36

All: 0.005+/-0.010 χ^2/NDF: 76.6/74

- sign 0.009+/-0.015 χ^2/NDF: 40.7/37

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.649+/-0.013 χ^2/NDF:285633.6/20

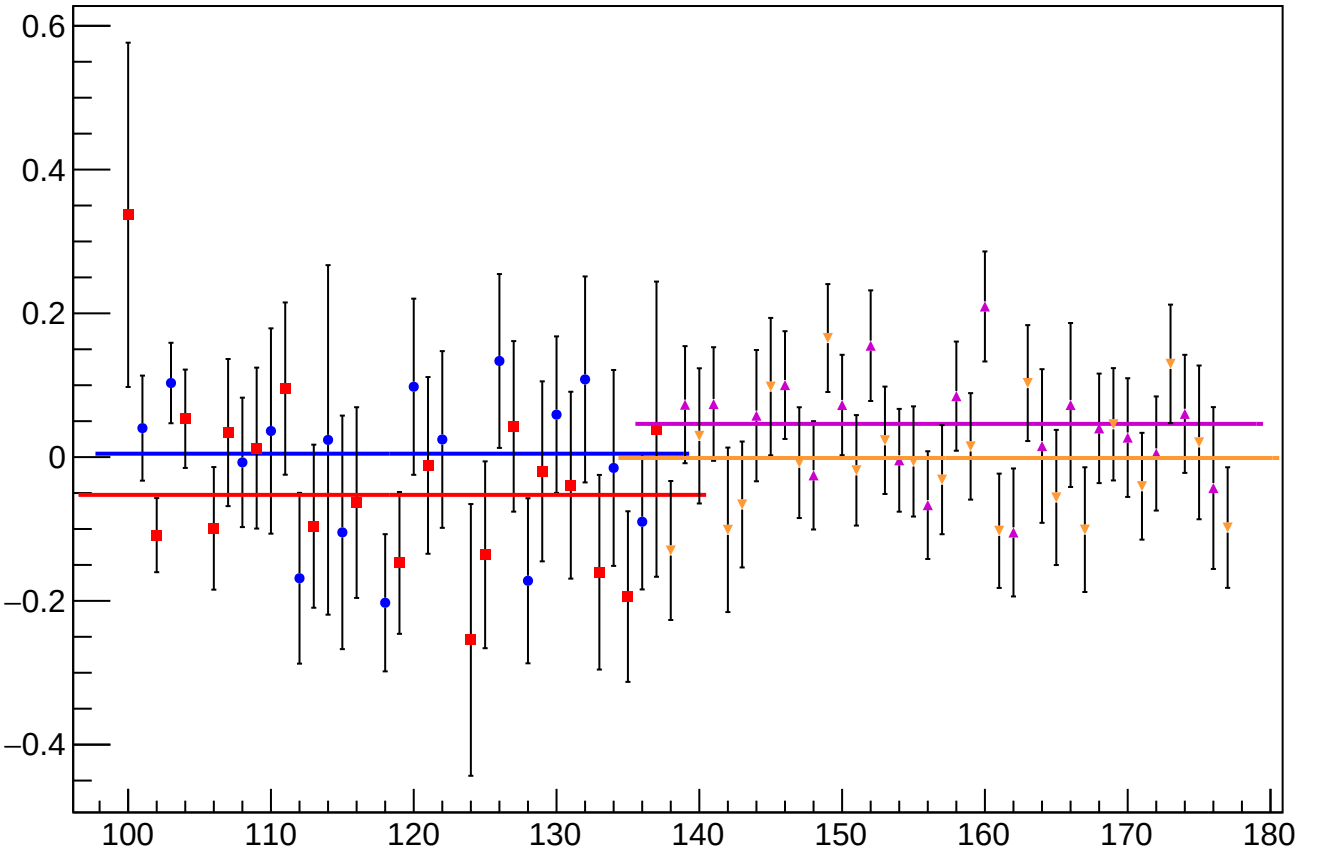
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 72.207+/-0.013 χ^2/NDF:194458.8/18

+ sign 70.701+/-0.011 χ^2/NDF: 1172406.4/36

All: 69.612+/-0.007 χ^2/NDF: 2708210.3/74

- sign 68.540+/-0.010 χ^2/NDF: 1514511.3/37



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.001+/-0.018 χ^2/NDF:19.1/20

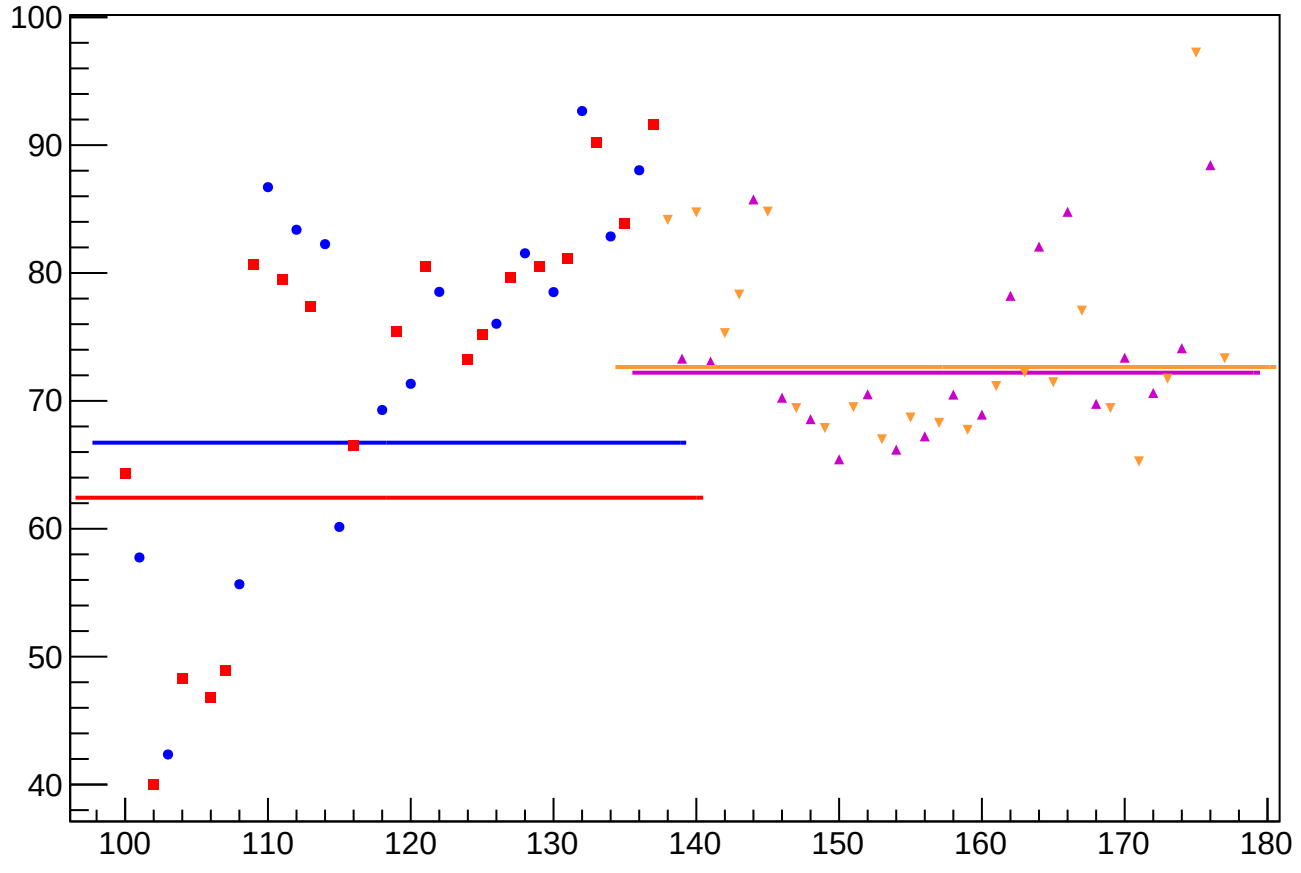
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.046+/-0.019 χ^2/NDF:15.4/18

+ sign 0.001+/-0.015 χ^2/NDF: 35.7/36

All: 0.005+/-0.010 χ^2/NDF: 76.6/74

- sign 0.009+/-0.015 χ^2/NDF: 40.7/37



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.649+/-0.013 χ^2/NDF:285633.6/20

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

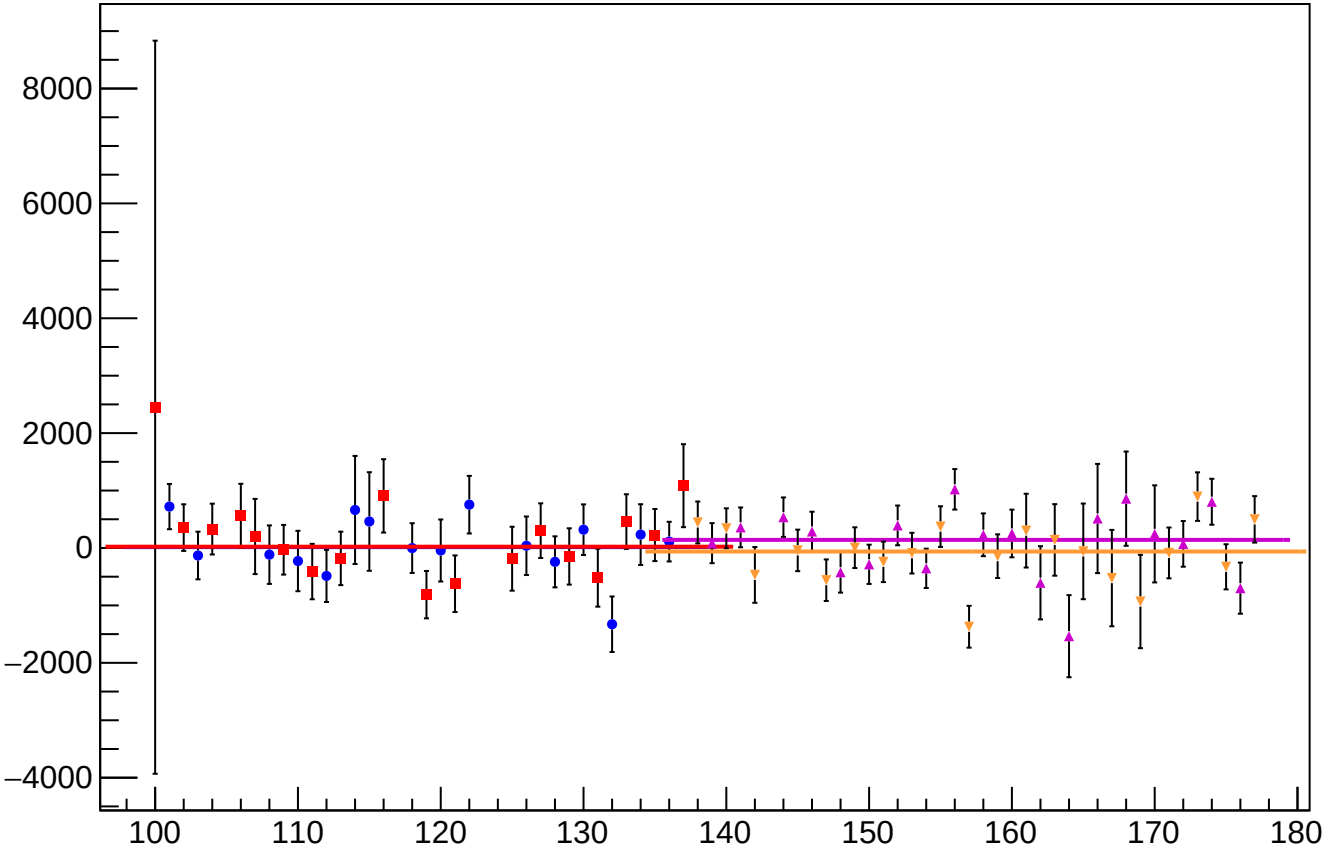
Left In: 72.207+/-0.013 χ^2/NDF:194458.8/18

+ sign 70.701+/-0.011 χ^2/NDF: 1172406.4/36

All: 69.612+/-0.007 χ^2/NDF: 2708210.3/74

- sign 68.540+/-0.010 χ^2/NDF: 1514511.3/37

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -61.850+/-93.480 χ^2/NDF:30.1/19

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

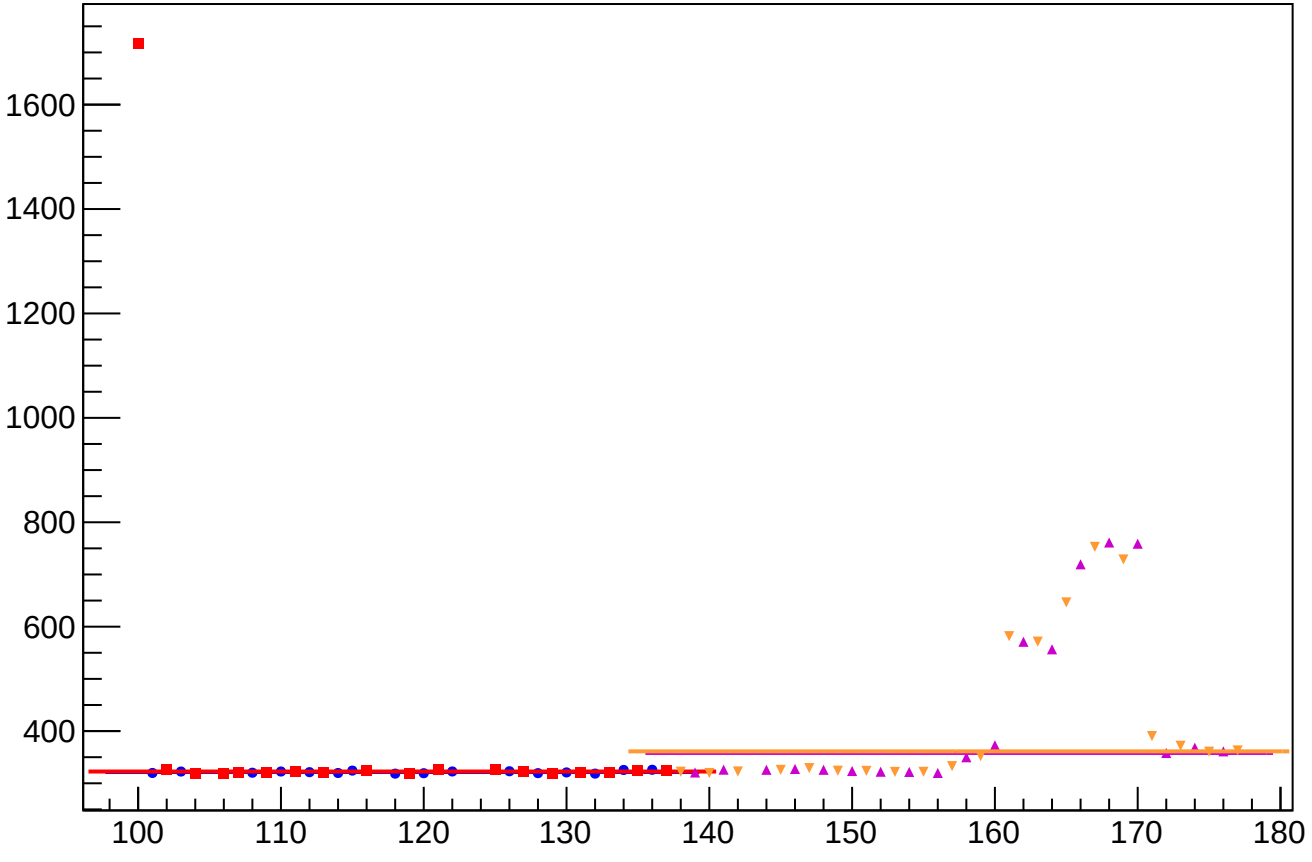
Left In: 141.110+/-93.707 χ^2/NDF:29.1/18

\+ sign -32.458+/-73.612 χ^2/NDF: 46.9/35

All: 31.558+/-52.073 χ^2/NDF: 94.1/72

\- sign 95.676+/-73.671 χ^2/NDF: 45.7/36

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.177+/-0.066 χ^2/NDF:1758954.5/19

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

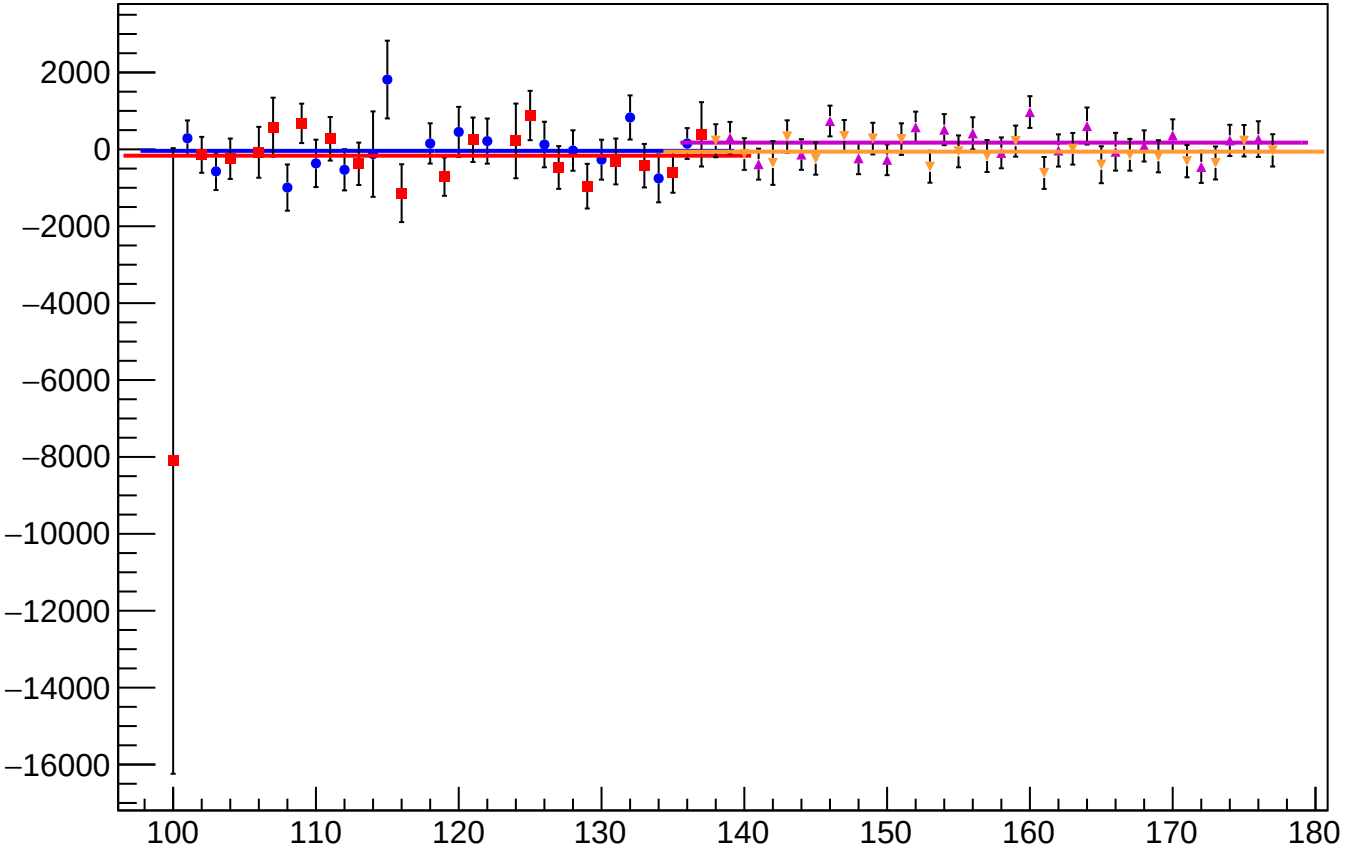
Left In: 358.133+/-0.066 χ^2/NDF:1781947.8/18

+ sign 346.143+/-0.052 χ^2/NDF: 1895937.3/35

All: 345.345+/-0.037 χ^2/NDF: 3885369.0/72

- sign 344.545+/-0.052 χ^2/NDF: 1988960.7/36

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -59.836+/-92.332 χ^2/NDF:9.2/20

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

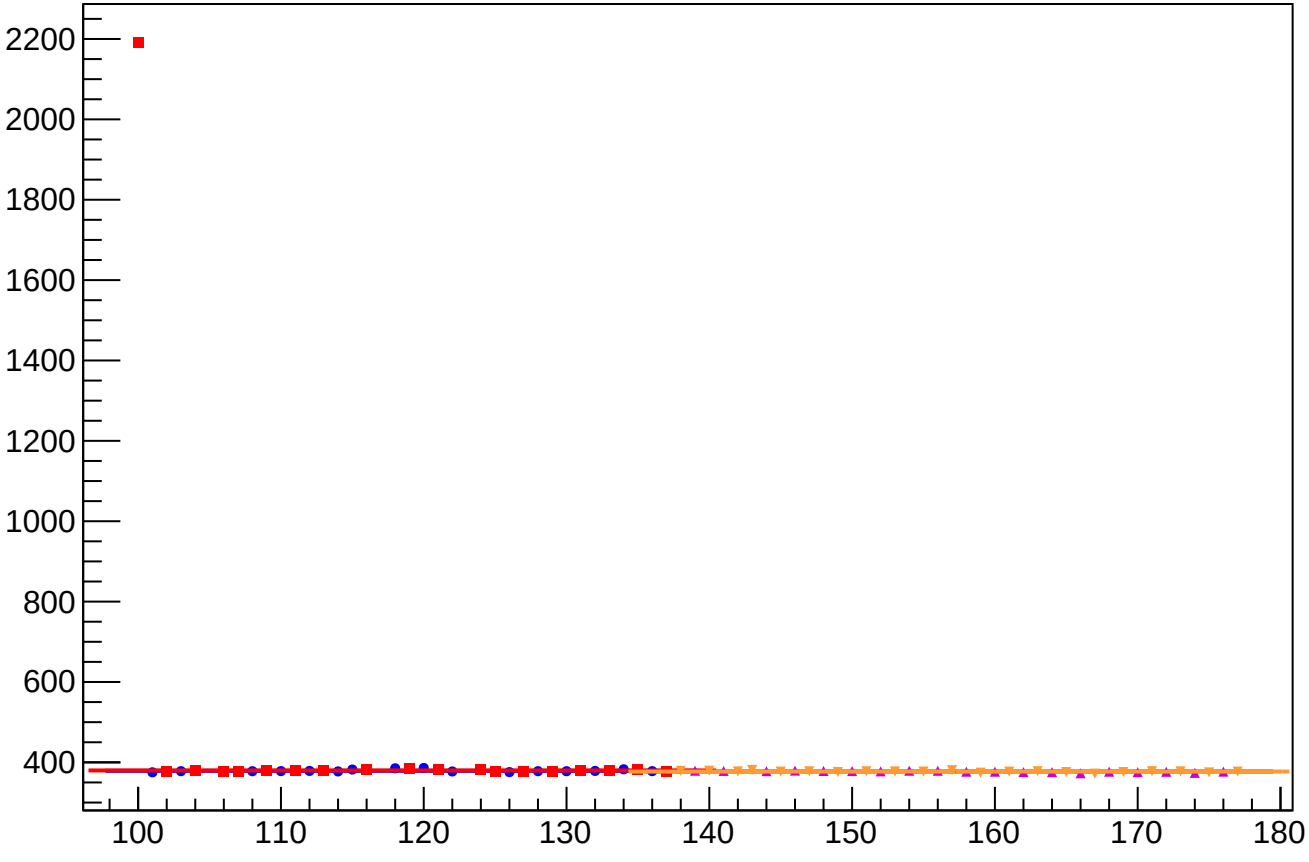
Left In: 174.946+/-95.713 χ^2/NDF:16.9/18

+ sign -53.540+/-77.198 χ^2/NDF: 23.0/36

All: 4.828+/-55.153 χ^2/NDF: 60.2/74

- sign 65.681+/-78.825 χ^2/NDF: 36.0/37

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.103+/-0.065 χ^2/NDF:941.0/20

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

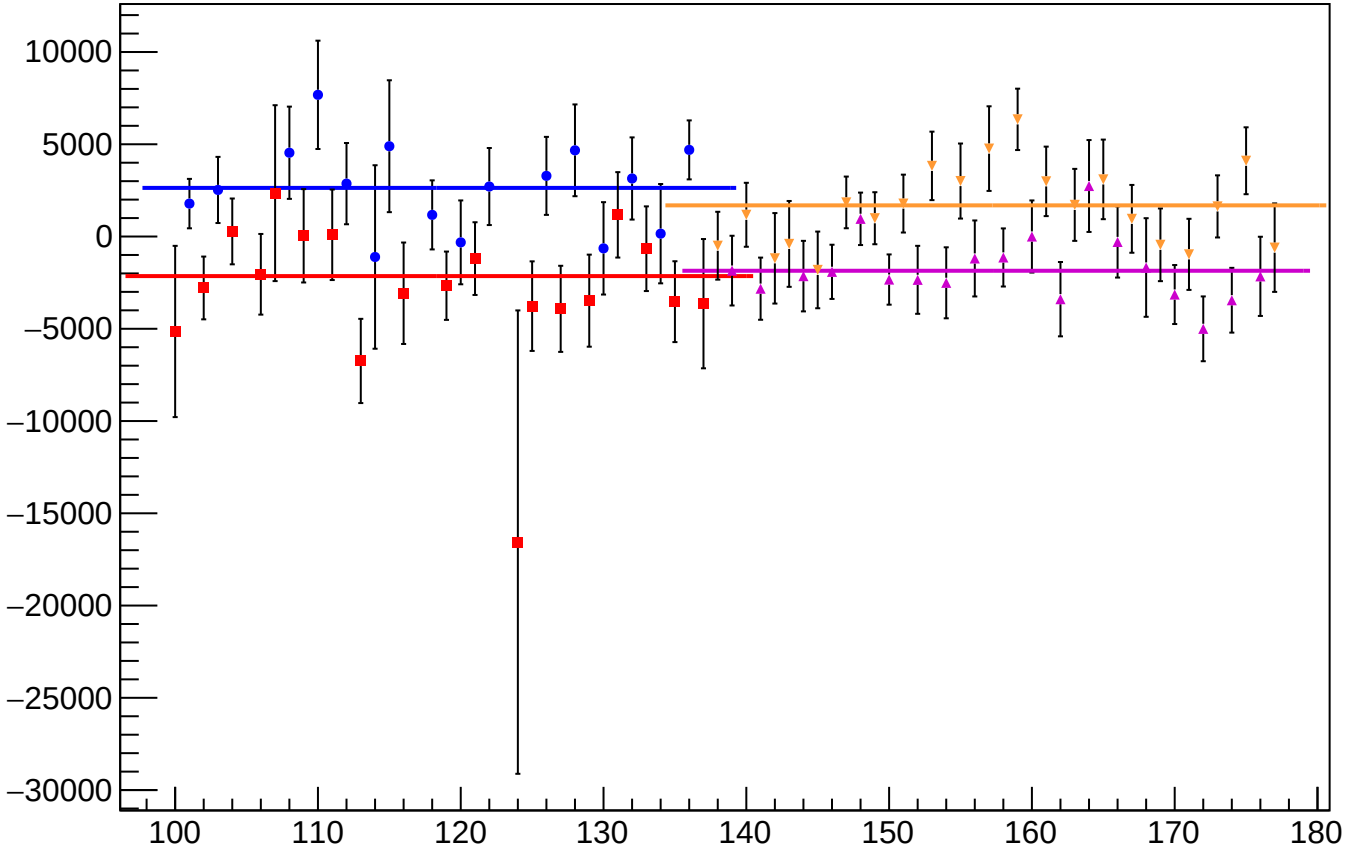
Left In: 377.310+/-0.068 χ^2/NDF:665.1/18

+ sign 377.647+/-0.055 χ^2/NDF: 2022.8/36

All: 377.886+/-0.039 χ^2/NDF: 102811.9/74

- sign 378.136+/-0.056 χ^2/NDF: 100749.8/37

asym_us_agg_avg_mean vs Slug



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

Left Out: 1688.779+/-403.951 χ^2/NDF:25.0/20

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

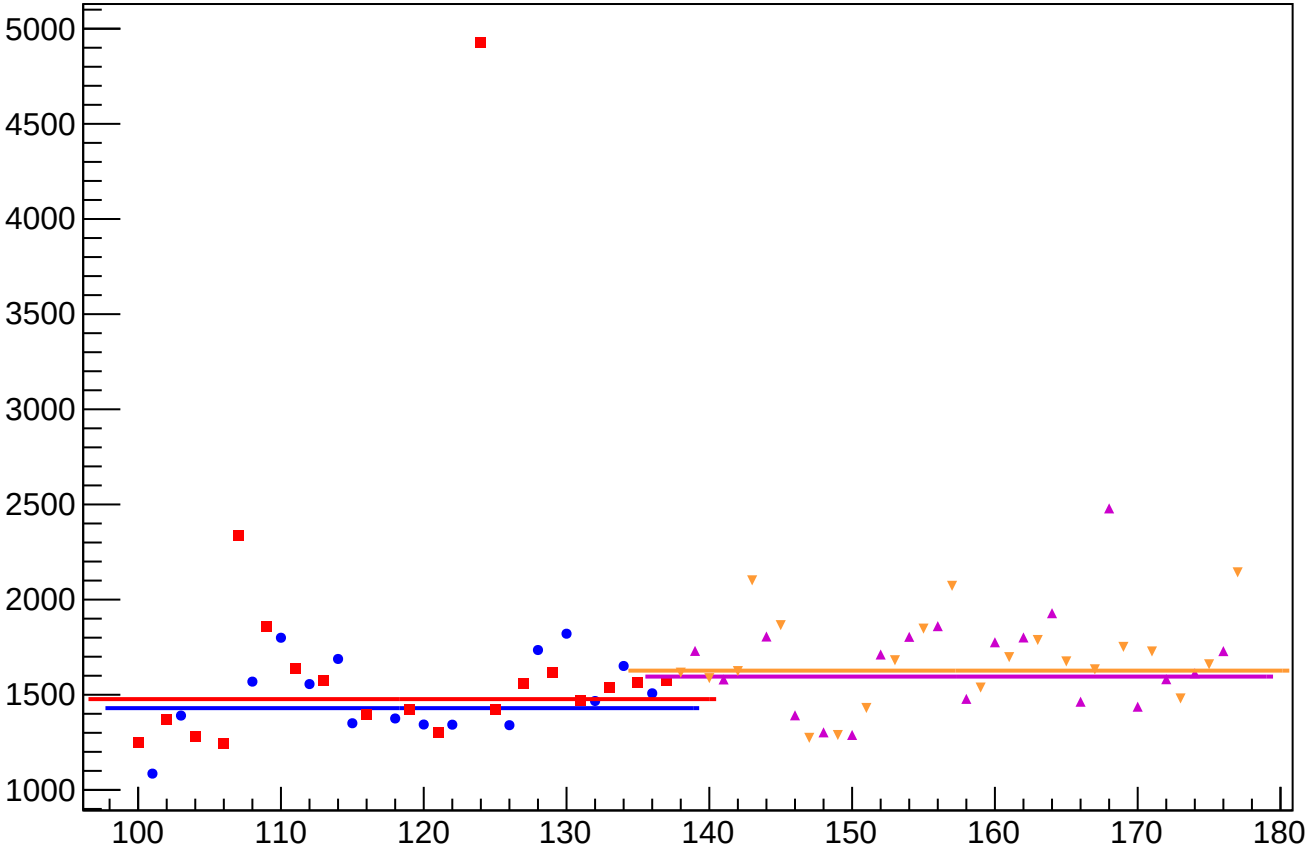
Left In: -1855.693+/-410.183 χ^2/NDF:15.2/18

+ sign 2030.022+/-323.038 χ^2/NDF: 39.2/36

All: 66.535+/-230.211 χ^2/NDF: 144.7/74

- sign -1959.675+/-328.158 χ^2/NDF: 30.4/37

asym_us_agg_avg_rms vs Slug



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

Left Out: 1626.808+/-0.286 χ^2/NDF:630303.3/20

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

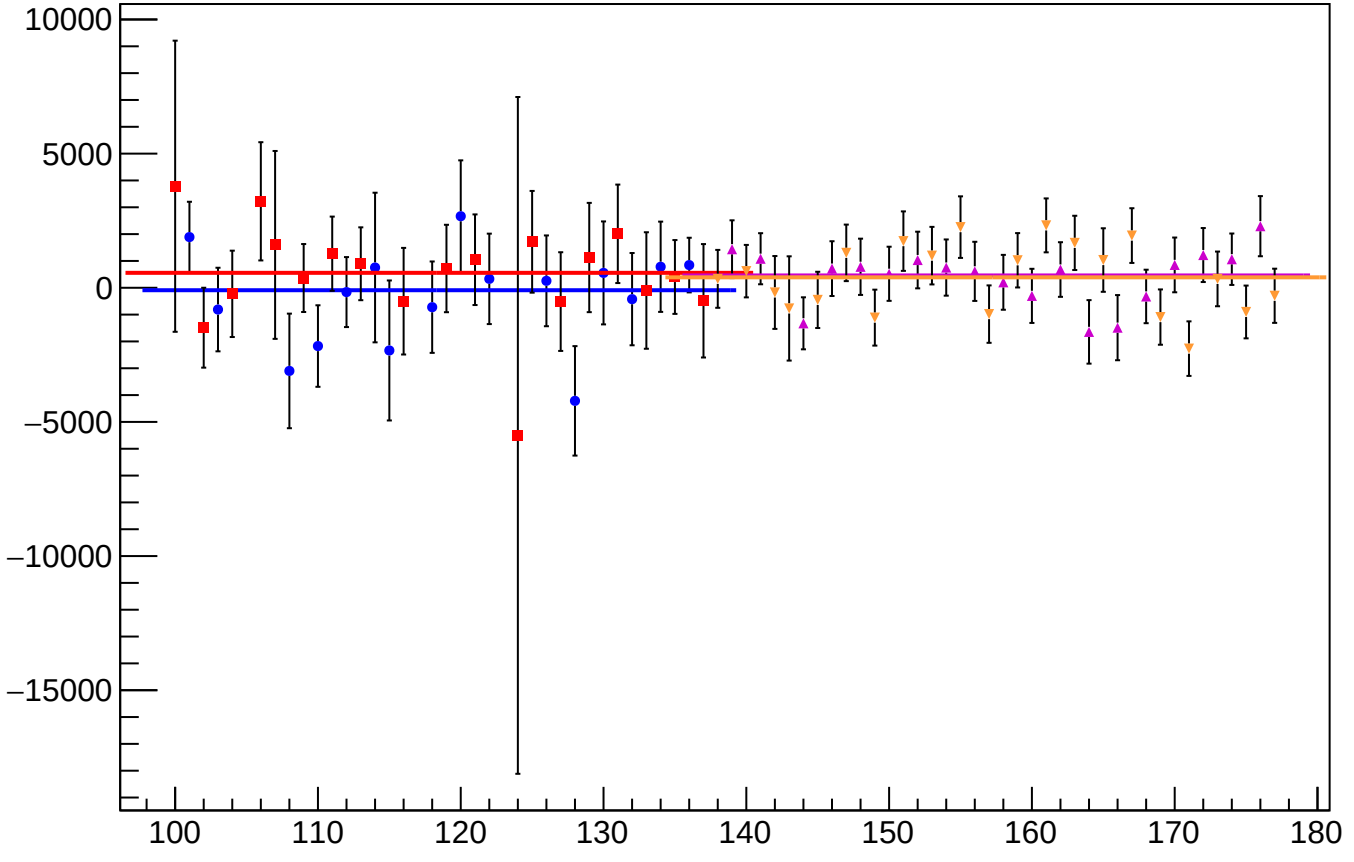
Left In: 1595.502+/-0.290 χ^2/NDF:664703.4/18

+ sign 1555.737+/-0.228 χ^2/NDF: 1095432.7/36

All: 1554.337+/-0.163 χ^2/NDF: 2189602.0/74

- sign 1552.892+/-0.232 χ^2/NDF: 1094093.0/37

asym_us_agg_dd_mean vs Slug



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

Left Out: 388.926+/-234.000 χ^2/NDF:29.8/20

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

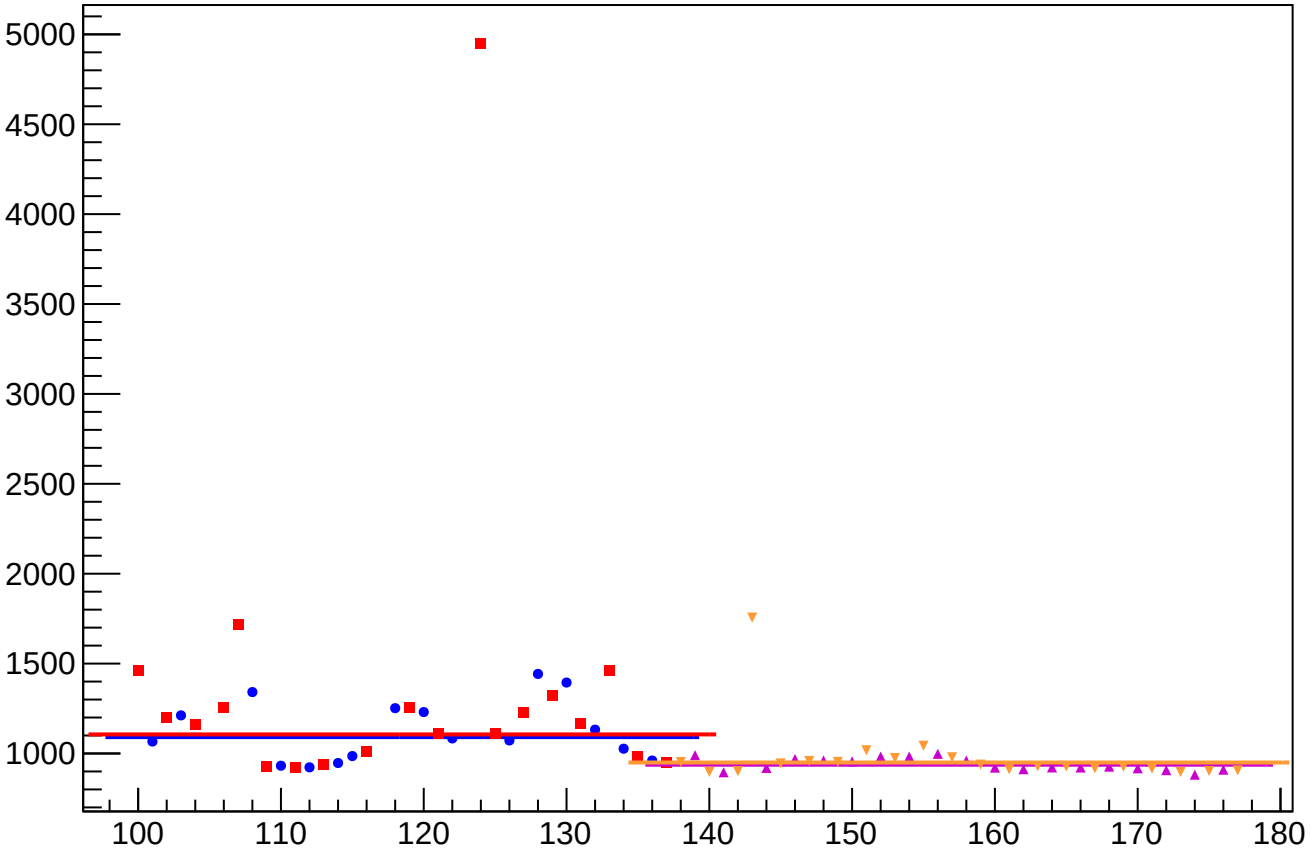
Left In: 459.454+/-238.030 χ^2/NDF:16.0/18

+ sign 270.914+/-203.224 χ^2/NDF: 45.4/36

All: 375.943+/-144.681 χ^2/NDF: 68.8/74

- sign 483.883+/-206.023 χ^2/NDF: 22.8/37

asym_us_agg_dd_rms vs Slug



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

Left Out: 949.764+/-0.165 χ^2/NDF:399148.0/20

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

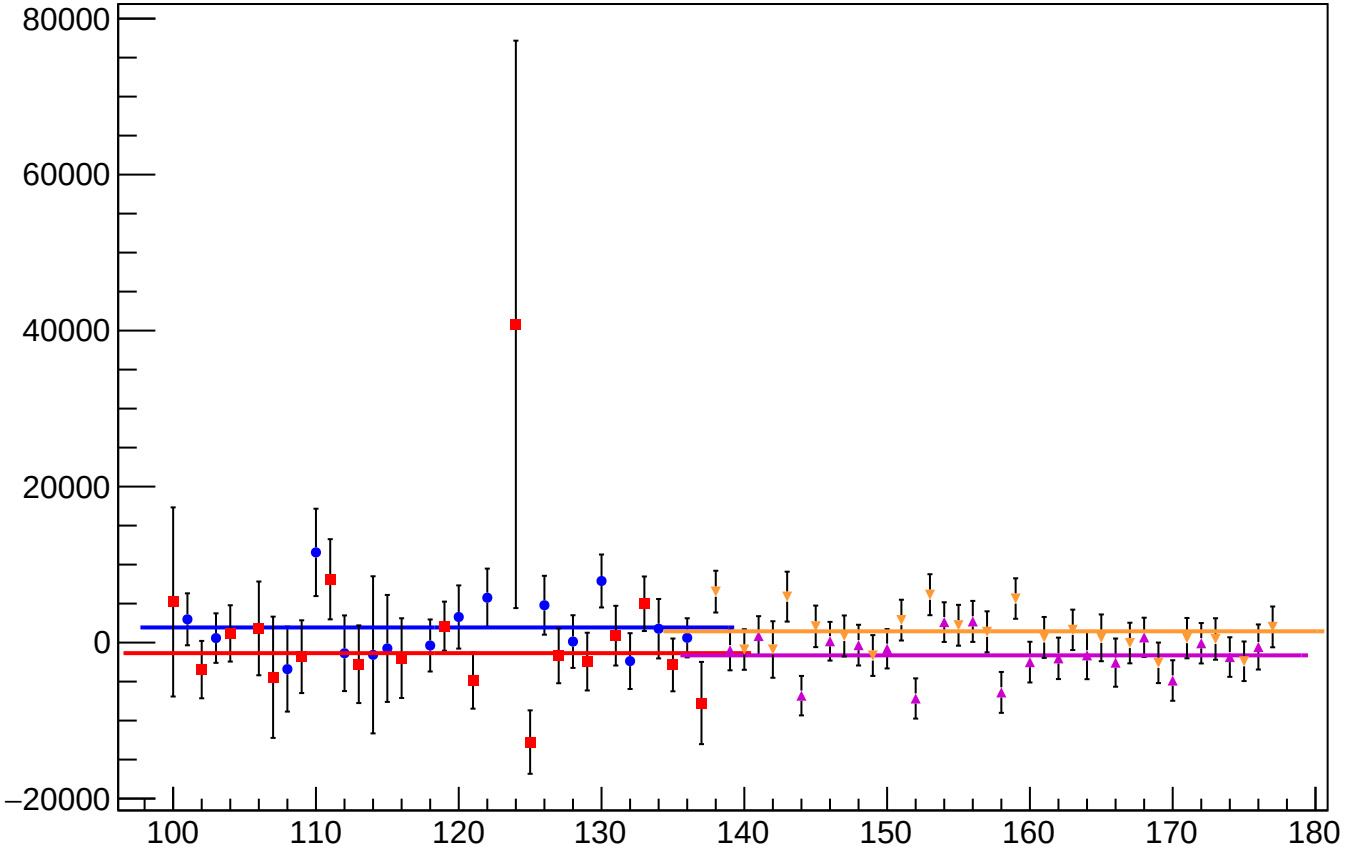
Left In: 937.600+/-0.168 χ^2/NDF:40532.5/18

\+ sign 984.481+/-0.144 χ^2/NDF: 855603.2/36

All: 982.200+/-0.102 χ^2/NDF: 1661994.0/74

\- sign 979.855+/-0.146 χ^2/NDF: 805879.6/37

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.143+/-585.489 χ^2/NDF:20.0/20

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

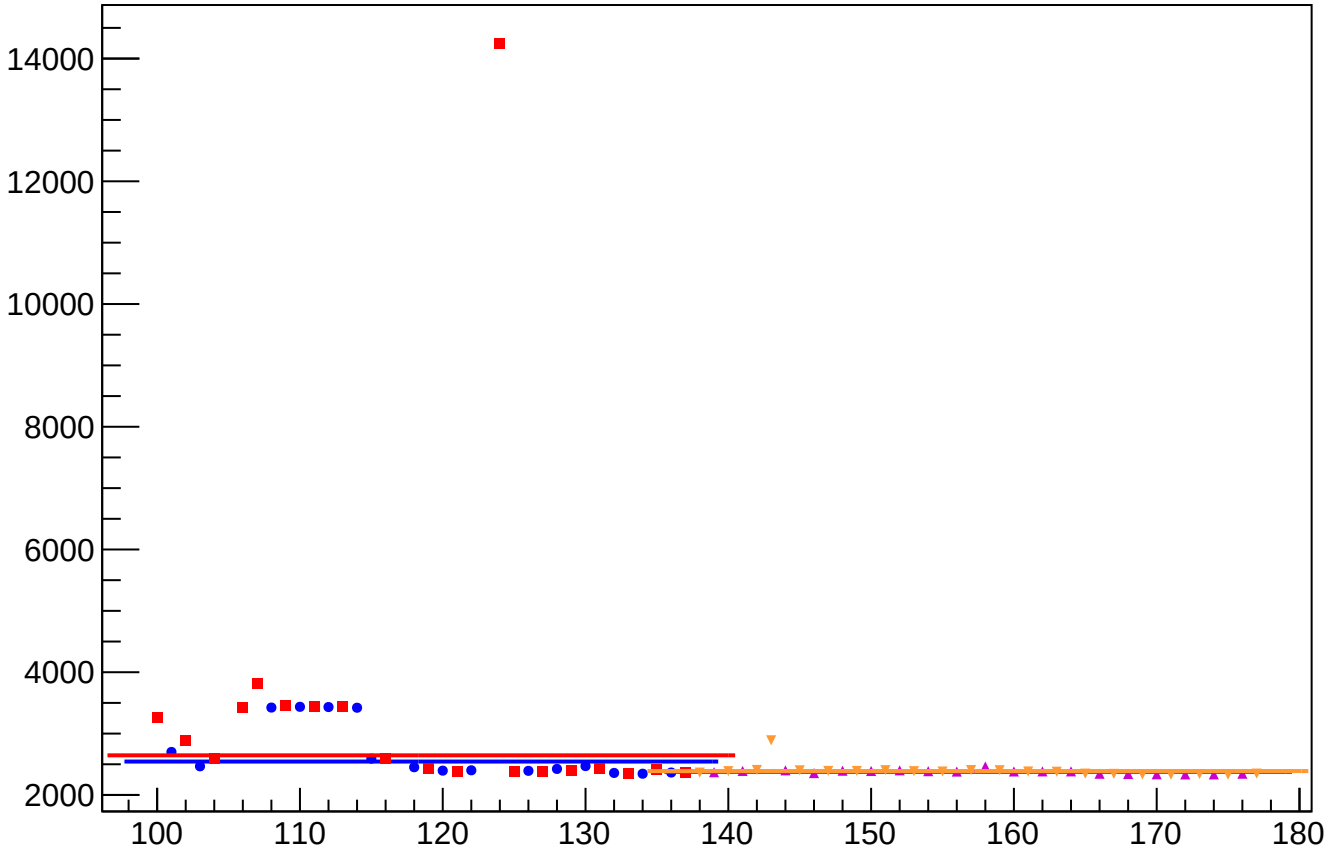
Left In: -1638.462+/-602.671 χ^2/NDF:22.6/18

+ sign 1582.195+/-498.797 χ^2/NDF: 32.4/36

All: 58.142+/-357.989 χ^2/NDF: 96.2/74

- sign -1560.836+/-514.096 χ^2/NDF: 44.5/37

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2389.446+/-0.414 χ^2/NDF:54761.5/20

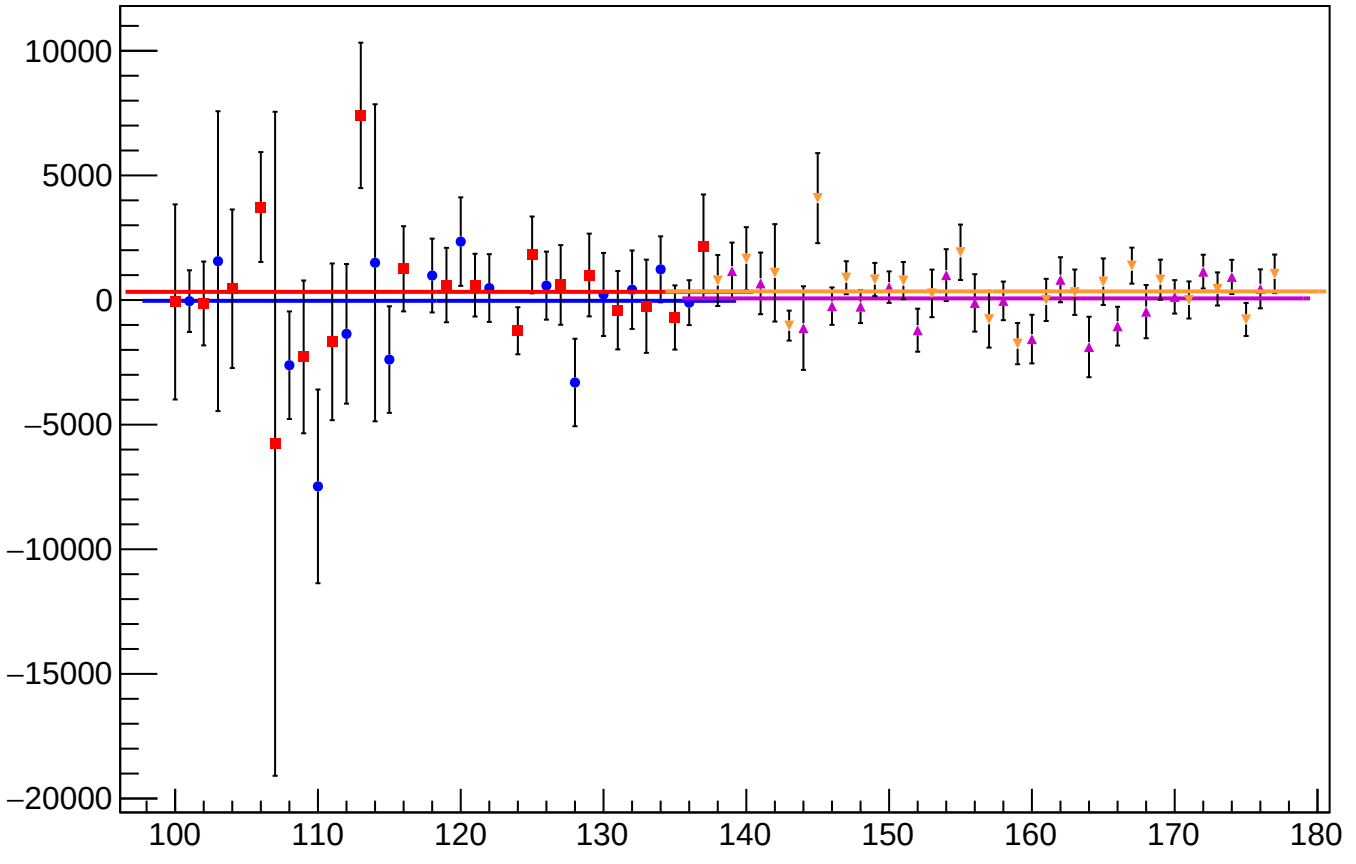
Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

+ sign 2431.940+/-0.353 χ^2/NDF: 318796.9/36

All: 2440.333+/-0.253 χ^2/NDF: 971542.3/74

- sign 2449.249+/-0.364 χ^2/NDF: 651577.6/37



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 347.111+/-180.756 χ^2/NDF:28.5/20

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

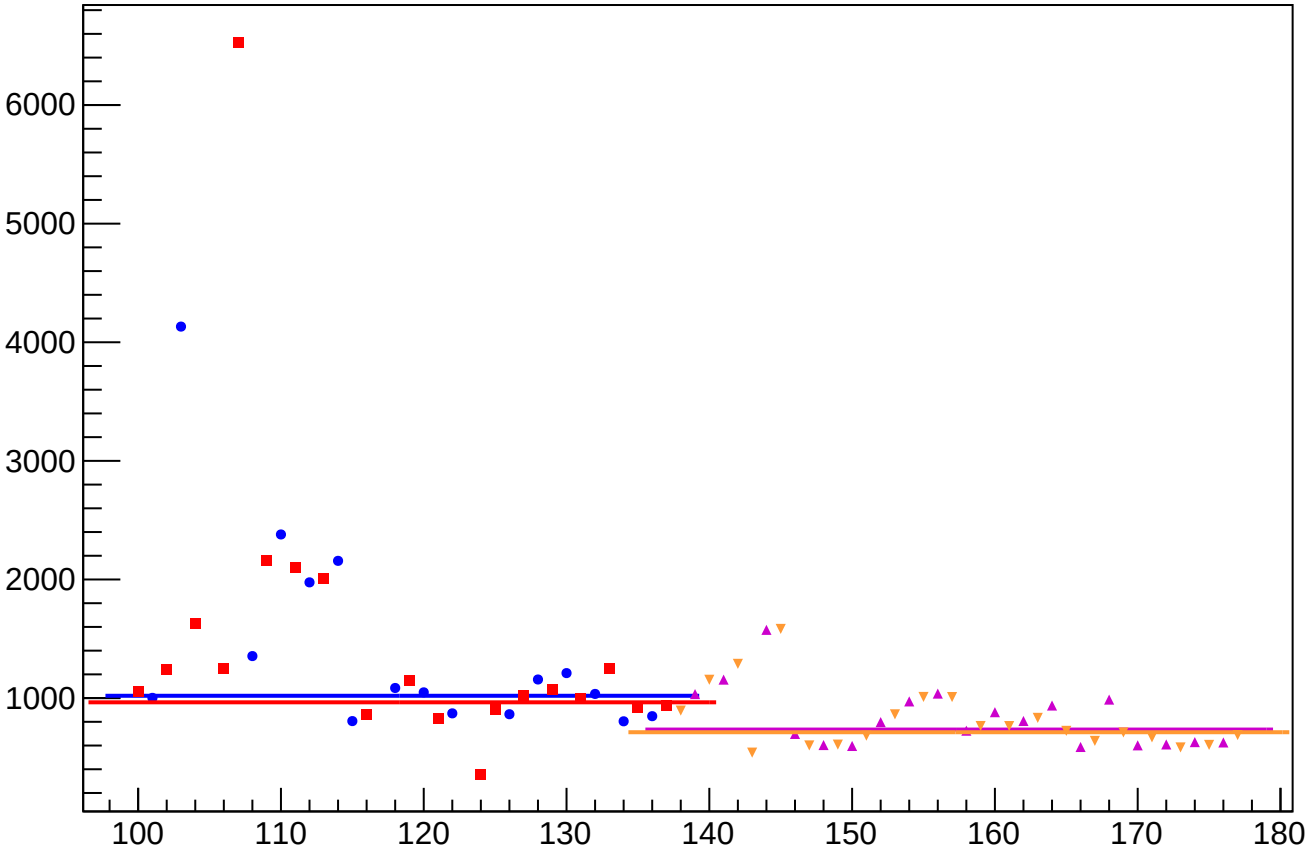
Left In: 65.674+/-193.608 χ^2/NDF:18.3/18

+ sign 284.461+/-165.111 χ^2/NDF: 43.0/36

All: 204.642+/-119.819 χ^2/NDF: 77.8/74

- sign 115.846+/-174.149 χ^2/NDF: 34.3/37

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 712.223+/-0.128 χ^2/NDF:1754707.5/20

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

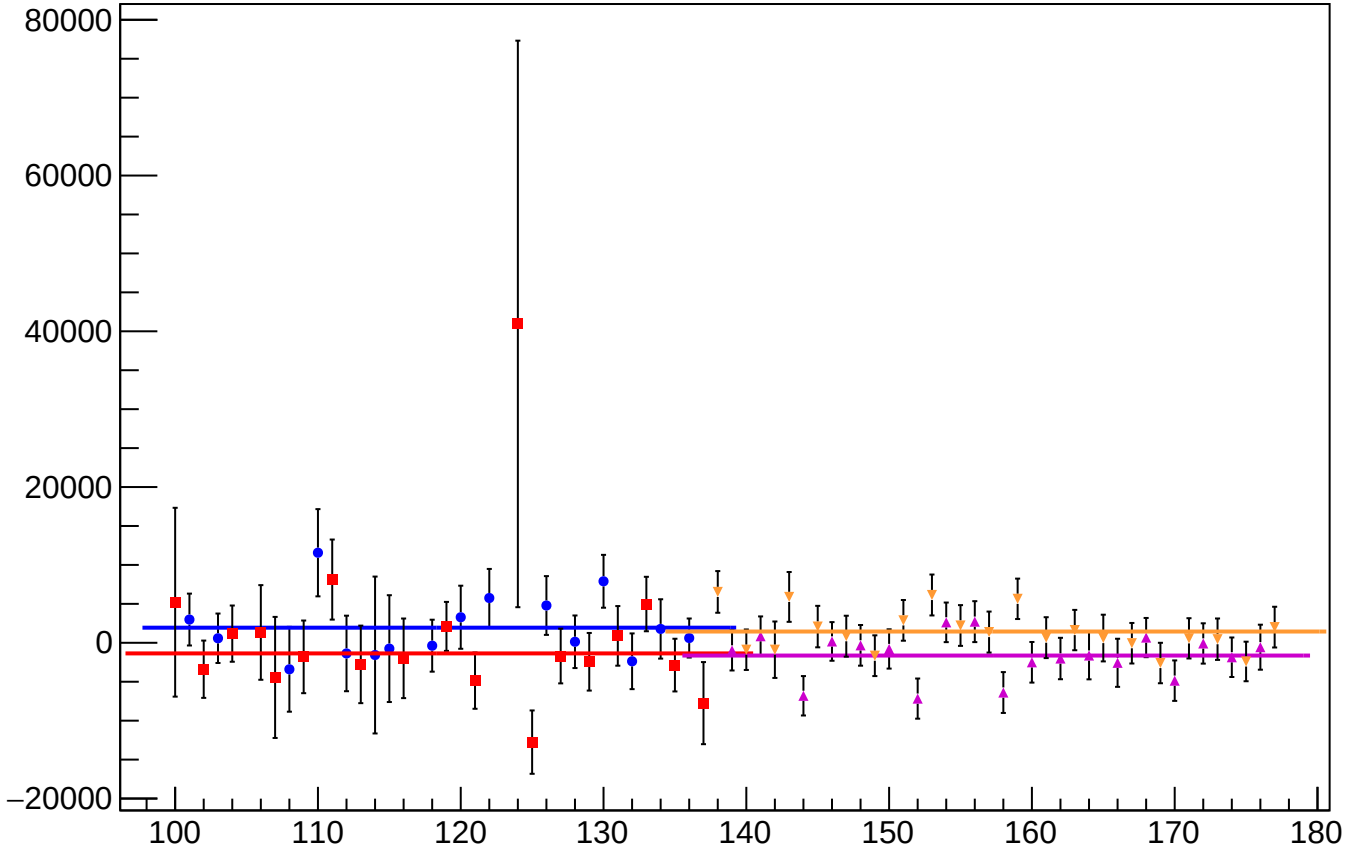
Left In: 734.700+/-0.137 χ^2/NDF:1834627.7/18

\+ sign 763.115+/-0.117 χ^2/NDF: 4076774.0/36

All: 770.421+/-0.085 χ^2/NDF: 8766391.3/74

\- sign 778.548+/-0.123 χ^2/NDF: 4681345.2/37

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.076+/-585.489 χ^2/NDF:20.0/20

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

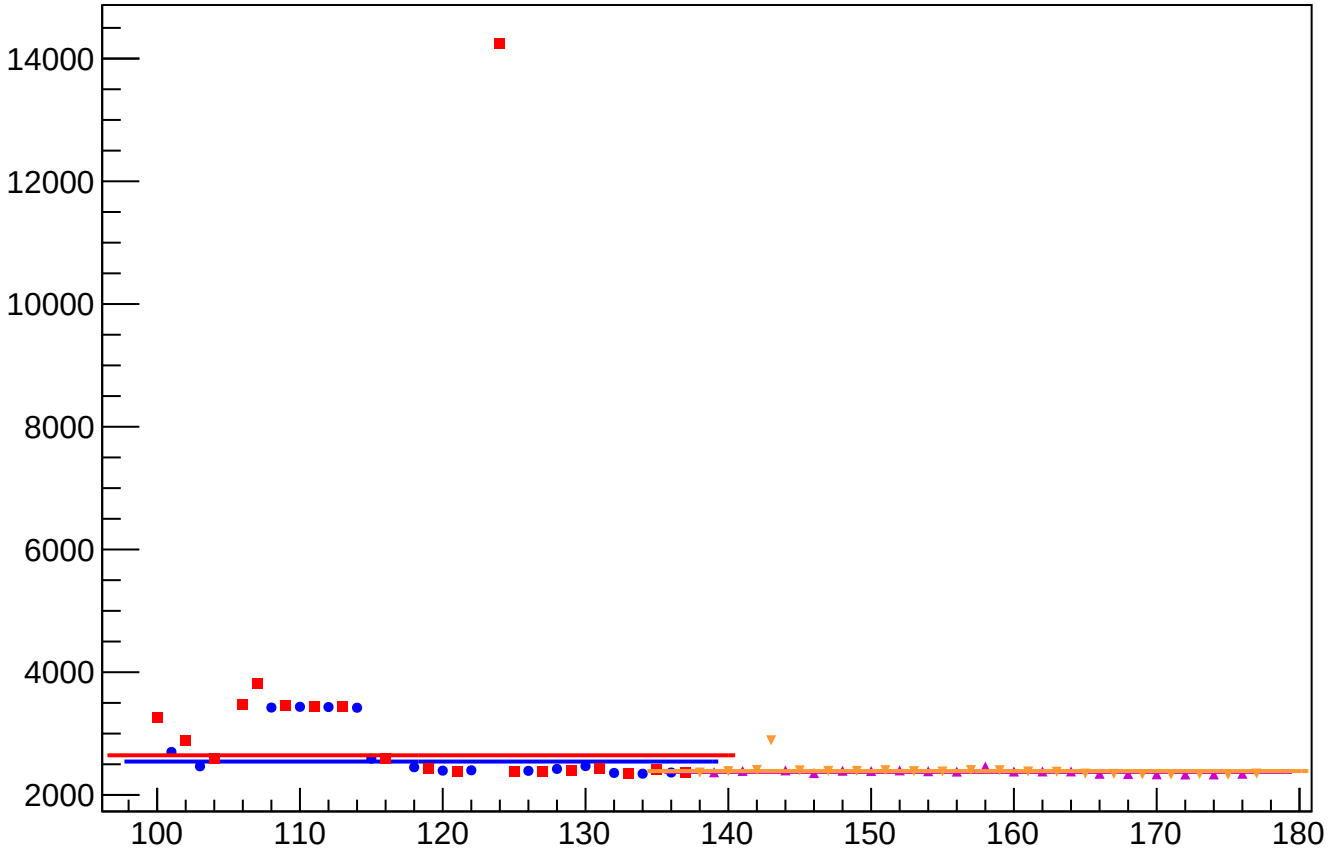
Left In: -1638.538+/-602.671 χ^2/NDF:22.6/18

+ sign 1582.243+/-498.797 χ^2/NDF: 32.4/36

All: 56.978+/-358.004 χ^2/NDF: 96.1/74

- sign -1563.555+/-514.139 χ^2/NDF: 44.4/37

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2389.446+/-0.414 χ^2/NDF:54761.5/20

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

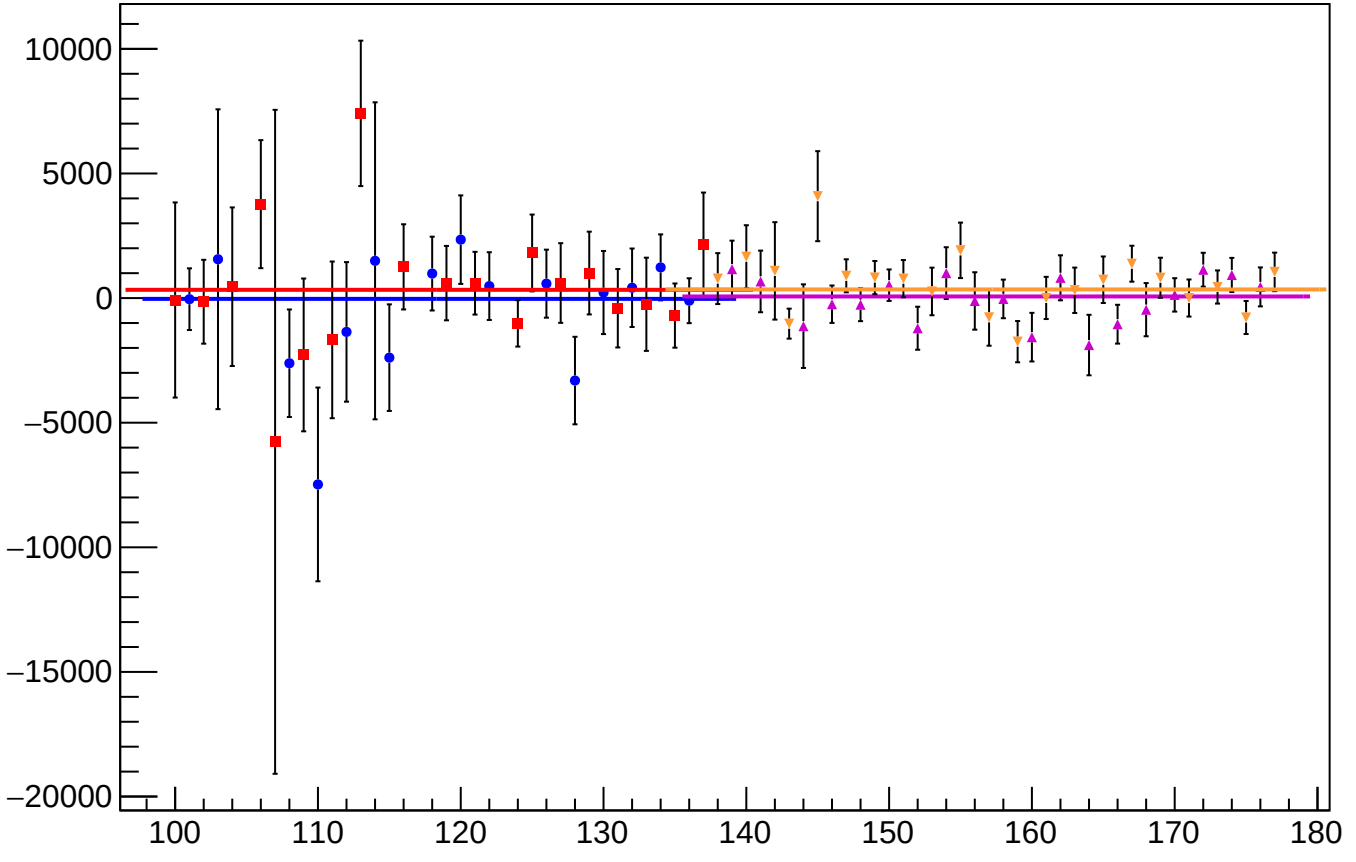
Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

\+ sign 2431.940+/-0.353 χ^2/NDF: 318796.9/36

All: 2440.390+/-0.253 χ^2/NDF: 974541.9/74

\- sign 2449.367+/-0.364 χ^2/NDF: 654561.3/37

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 347.067+/-180.757 χ^2/NDF:28.5/20

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

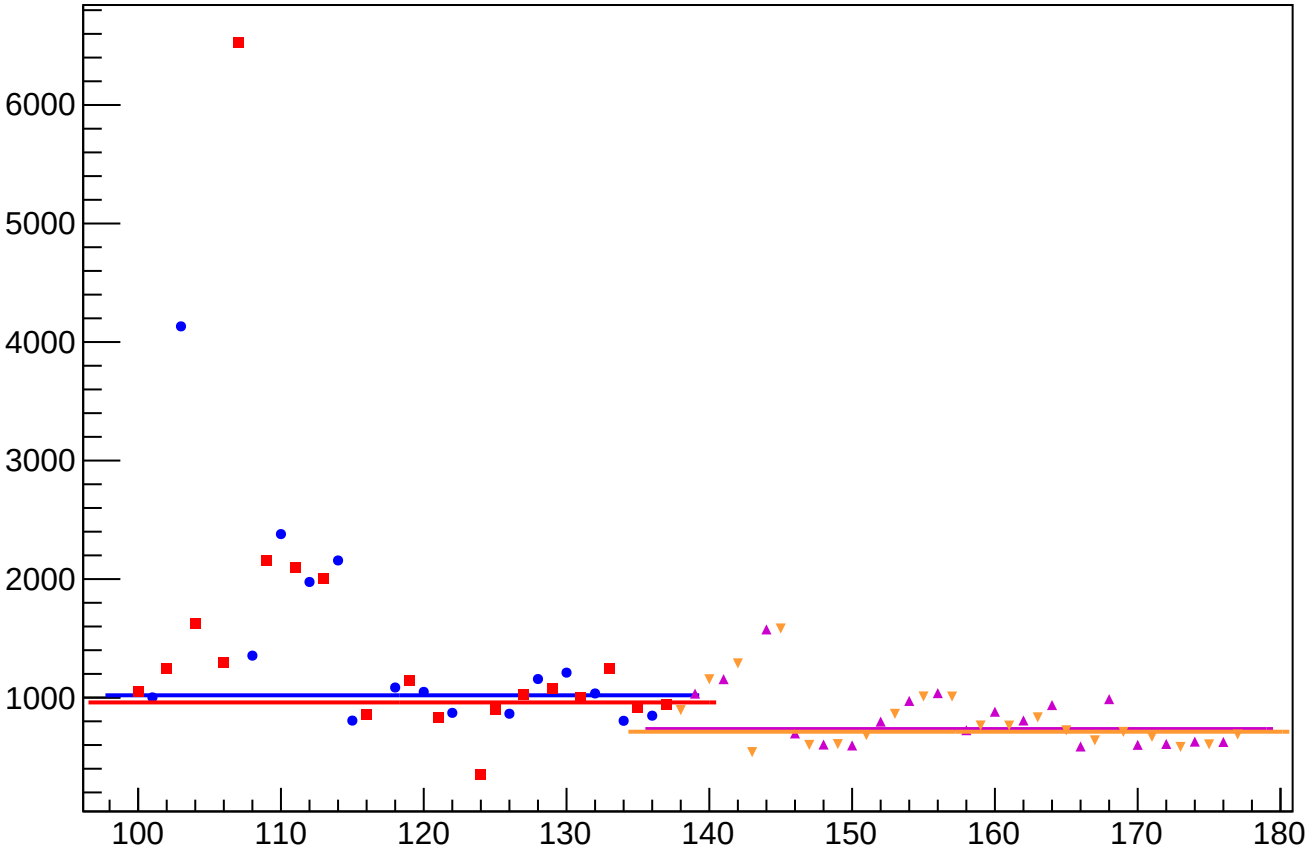
Left In: 65.559+/-193.608 χ^2/NDF:18.3/18

+ sign 284.412+/-165.112 χ^2/NDF: 43.0/36

All: 204.843+/-119.840 χ^2/NDF: 76.5/74

- sign 116.261+/-174.213 χ^2/NDF: 33.1/37

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 712.226+/-0.128 χ^2/NDF:1754792.0/20

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

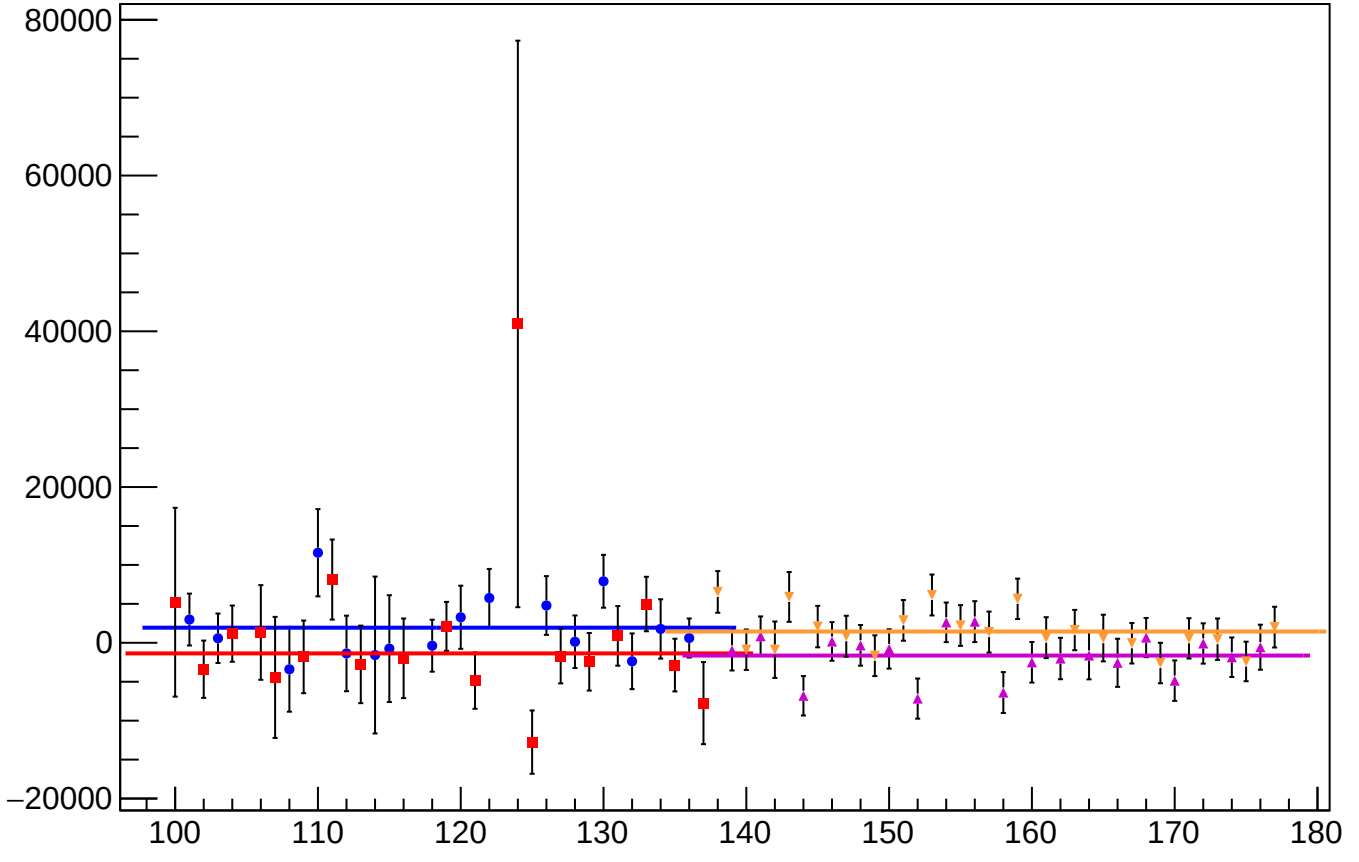
Left In: 734.701+/-0.137 χ^2/NDF:1834763.1/18

+ sign 763.117+/-0.117 χ^2/NDF: 4076792.4/36

All: 769.902+/-0.085 χ^2/NDF: 8775582.5/74

- sign 777.455+/-0.123 χ^2/NDF: 4691653.0/37

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.076+/-585.489 χ^2/NDF:20.0/20

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

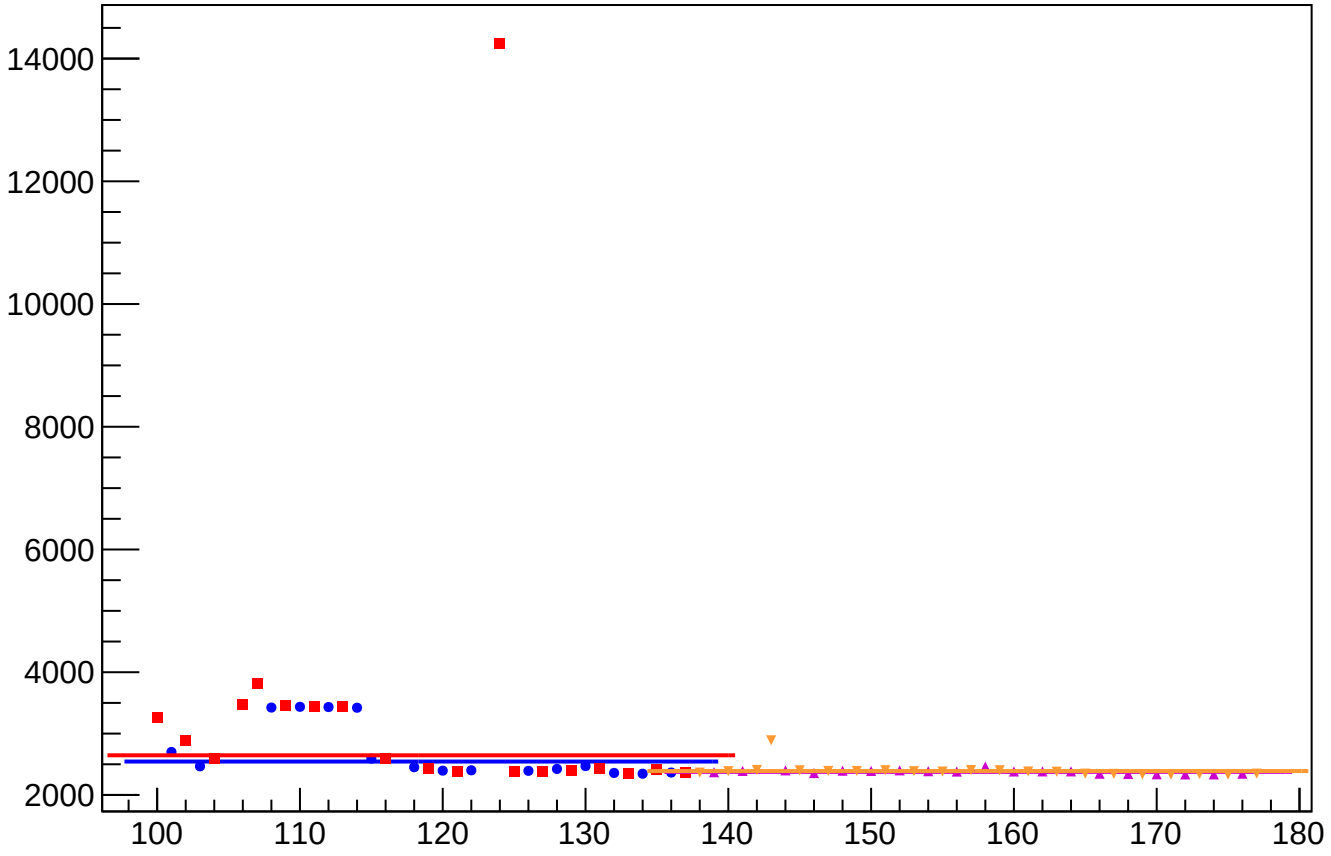
Left In: -1638.538+/-602.671 χ^2/NDF:22.6/18

+ sign 1582.243+/-498.797 χ^2/NDF: 32.4/36

All: 56.978+/-358.004 χ^2/NDF: 96.1/74

- sign -1563.555+/-514.139 χ^2/NDF: 44.4/37

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2389.446+/-0.414 χ^2/NDF:54761.5/20

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

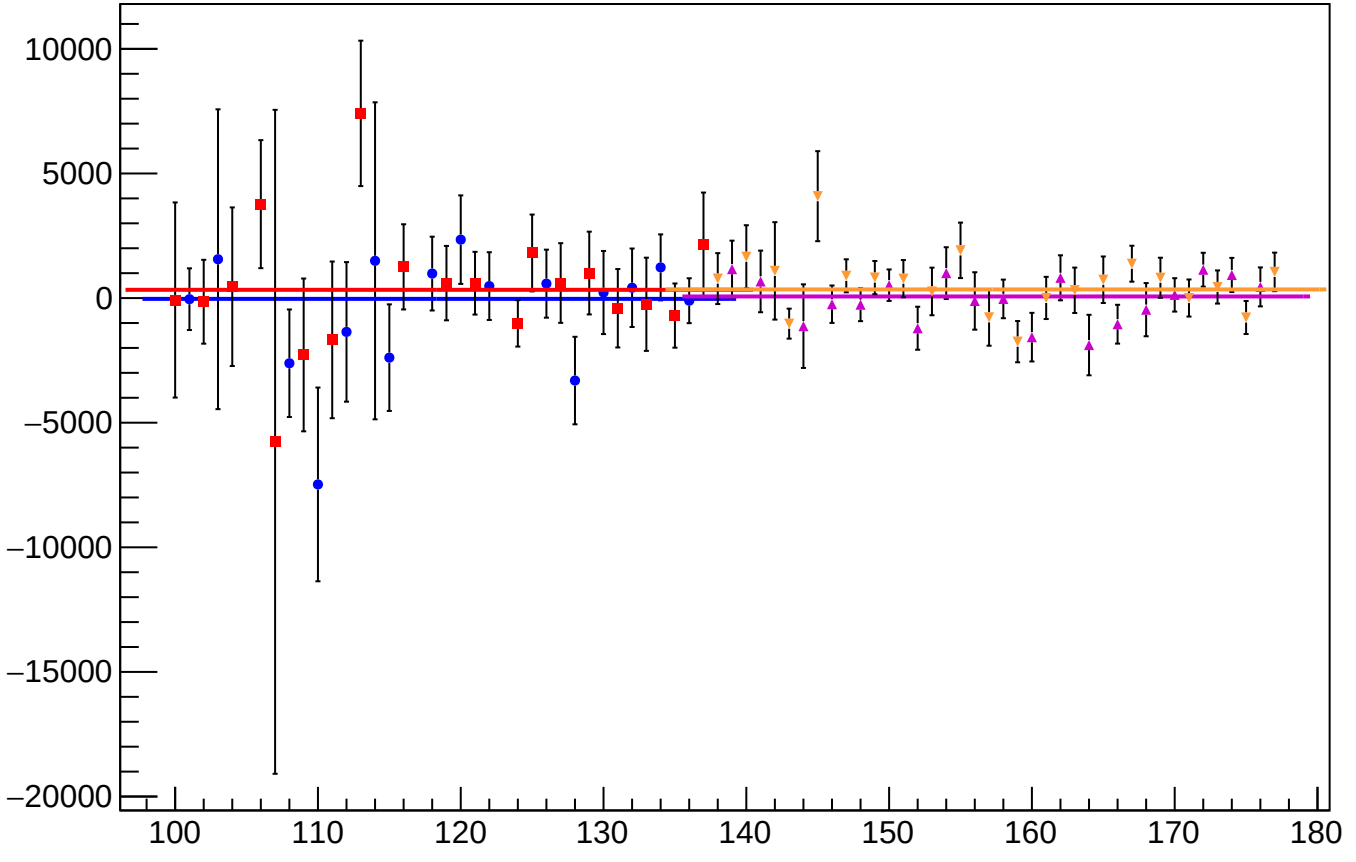
Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

\+ sign 2431.940+/-0.353 χ^2/NDF: 318796.9/36

All: 2440.390+/-0.253 χ^2/NDF: 974541.9/74

\- sign 2449.367+/-0.364 χ^2/NDF: 654561.3/37

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 347.067+/-180.757 χ^2/NDF:28.5/20

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

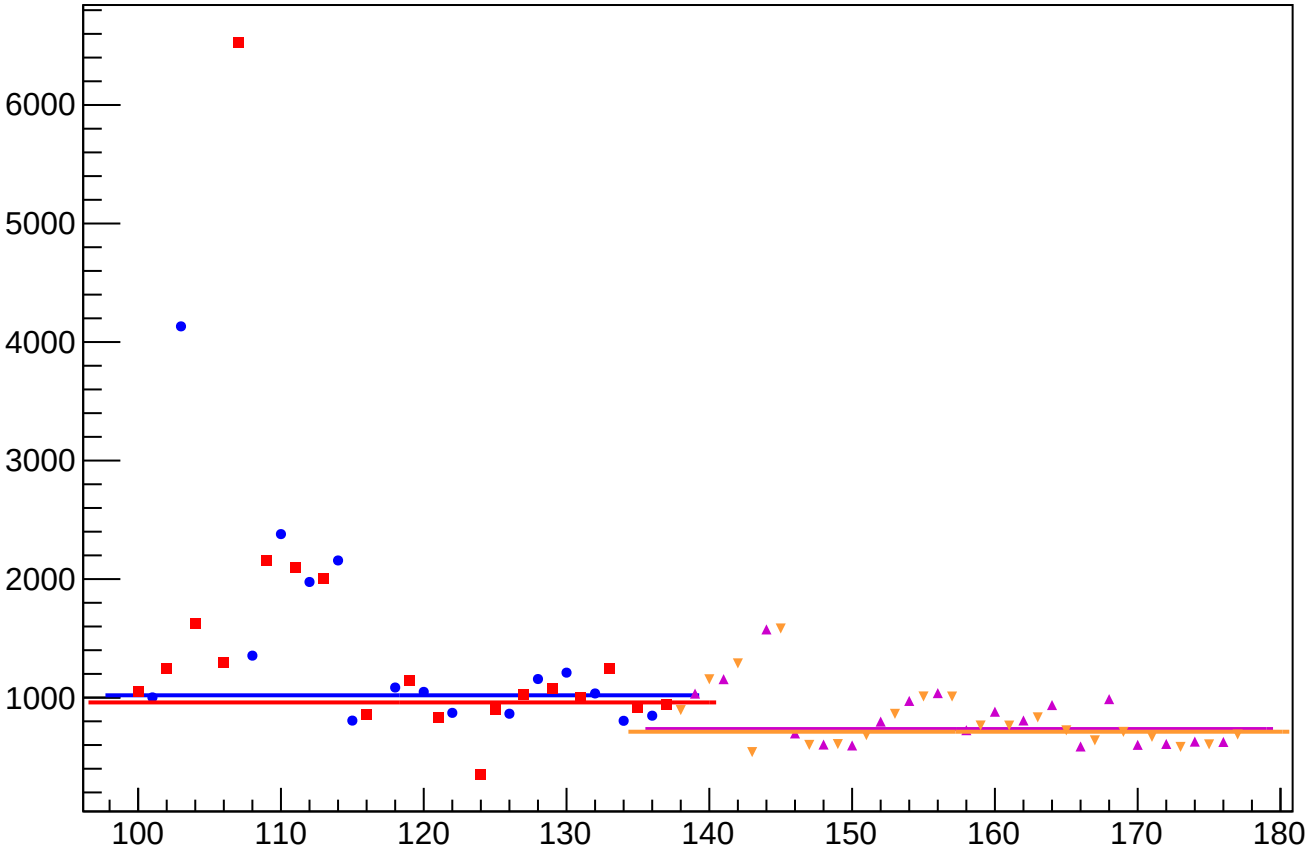
Left In: 65.559+/-193.608 χ^2/NDF:18.3/18

+ sign 284.412+/-165.112 χ^2/NDF: 43.0/36

All: 204.843+/-119.840 χ^2/NDF: 76.5/74

- sign 116.261+/-174.213 χ^2/NDF: 33.1/37

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 712.226+/-0.128 χ^2/NDF:1754792.0/20

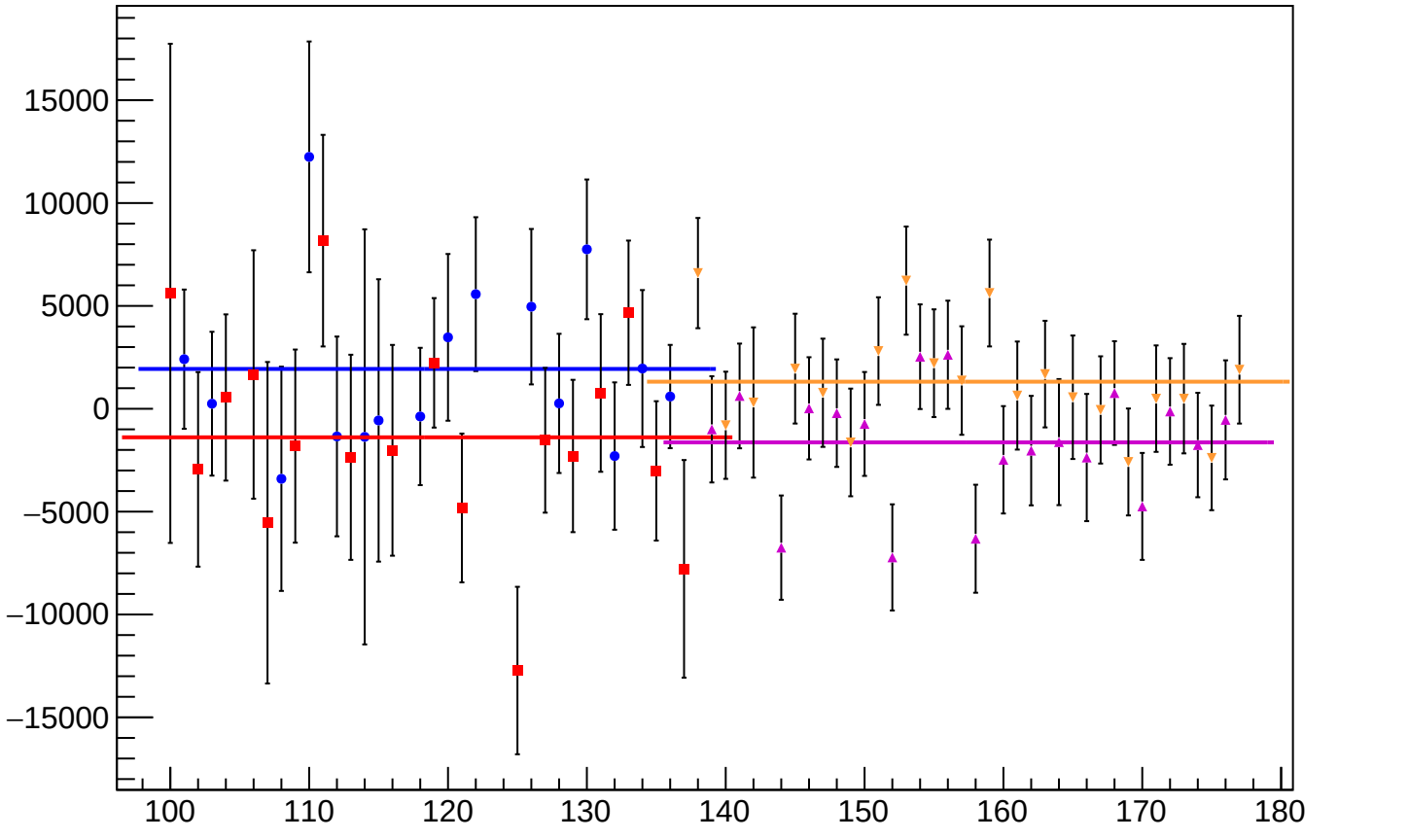
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 734.701+/-0.137 χ^2/NDF:1834763.1/18

\+ sign 763.117+/-0.117 χ^2/NDF: 4076792.4/36

All: 769.902+/-0.085 χ^2/NDF: 8775582.5/74

\- sign 777.455+/-0.123 χ^2/NDF: 4691653.0/37



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1316.204+/-596.213 χ^2/NDF:17.7/19

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

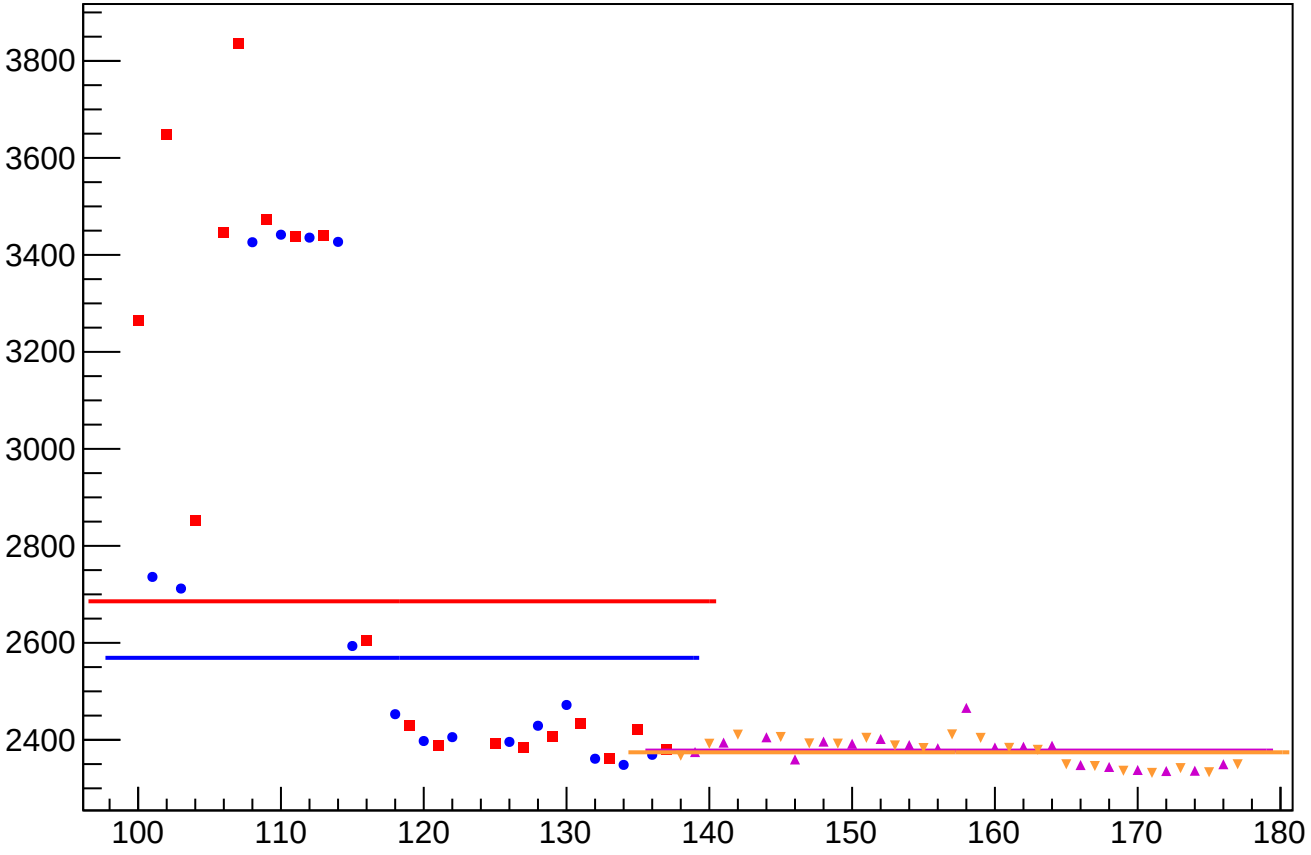
Left In: -1633.979+/-603.205 χ^2/NDF:22.0/18

+ sign 1488.120+/-506.824 χ^2/NDF: 30.4/35

All: -7.880+/-362.181 χ^2/NDF: 90.0/72

- sign -1569.105+/-517.754 χ^2/NDF: 41.8/36

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2374.315+/-0.422 χ^2/NDF:4146.1/19

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

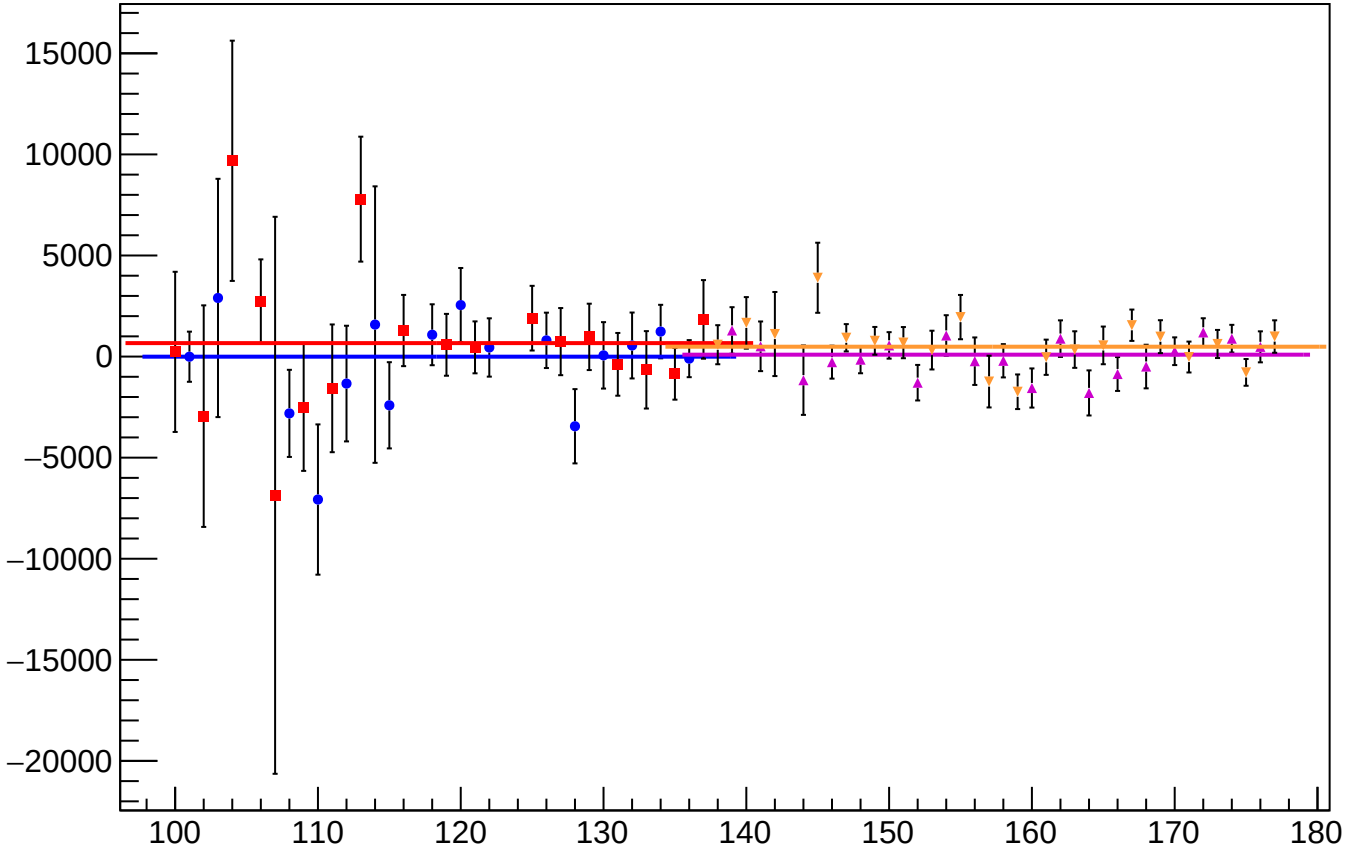
Left In: 2377.837+/-0.427 χ^2/NDF:5385.2/18

+ sign 2428.352+/-0.358 χ^2/NDF: 292864.3/35

All: 2443.289+/-0.256 χ^2/NDF: 858189.4/72

- sign 2458.877+/-0.366 χ^2/NDF: 561775.2/36

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 487.842+/-193.790 χ^2/NDF:23.1/19

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

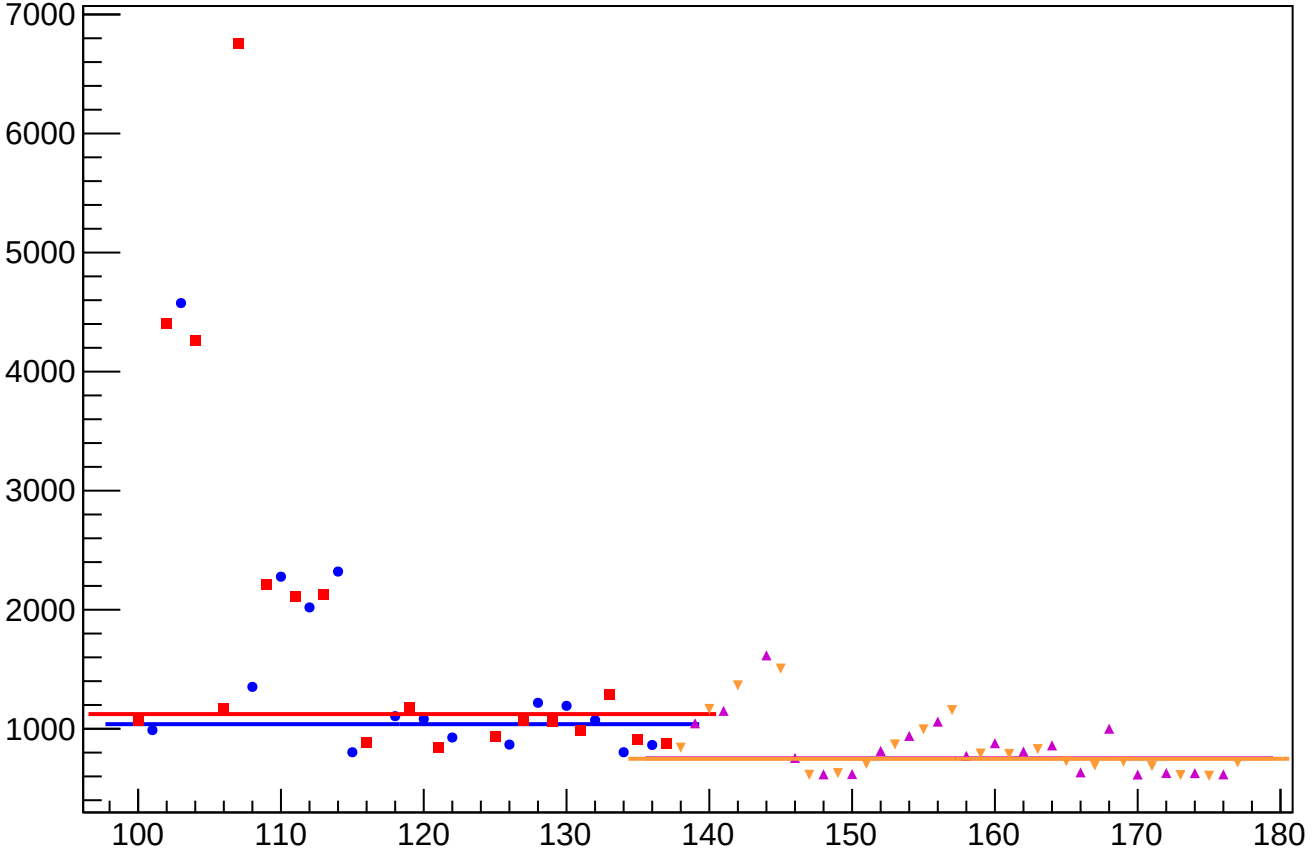
Left In: 93.525+/-197.359 χ^2/NDF:18.5/18

\+ sign 398.615+/-175.379 χ^2/NDF: 38.8/35

All: 294.131+/-126.087 χ^2/NDF: 73.7/72

\- sign 182.347+/-181.402 χ^2/NDF: 34.1/36

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 748.254+/-0.137 χ^2/NDF:1500713.6/19

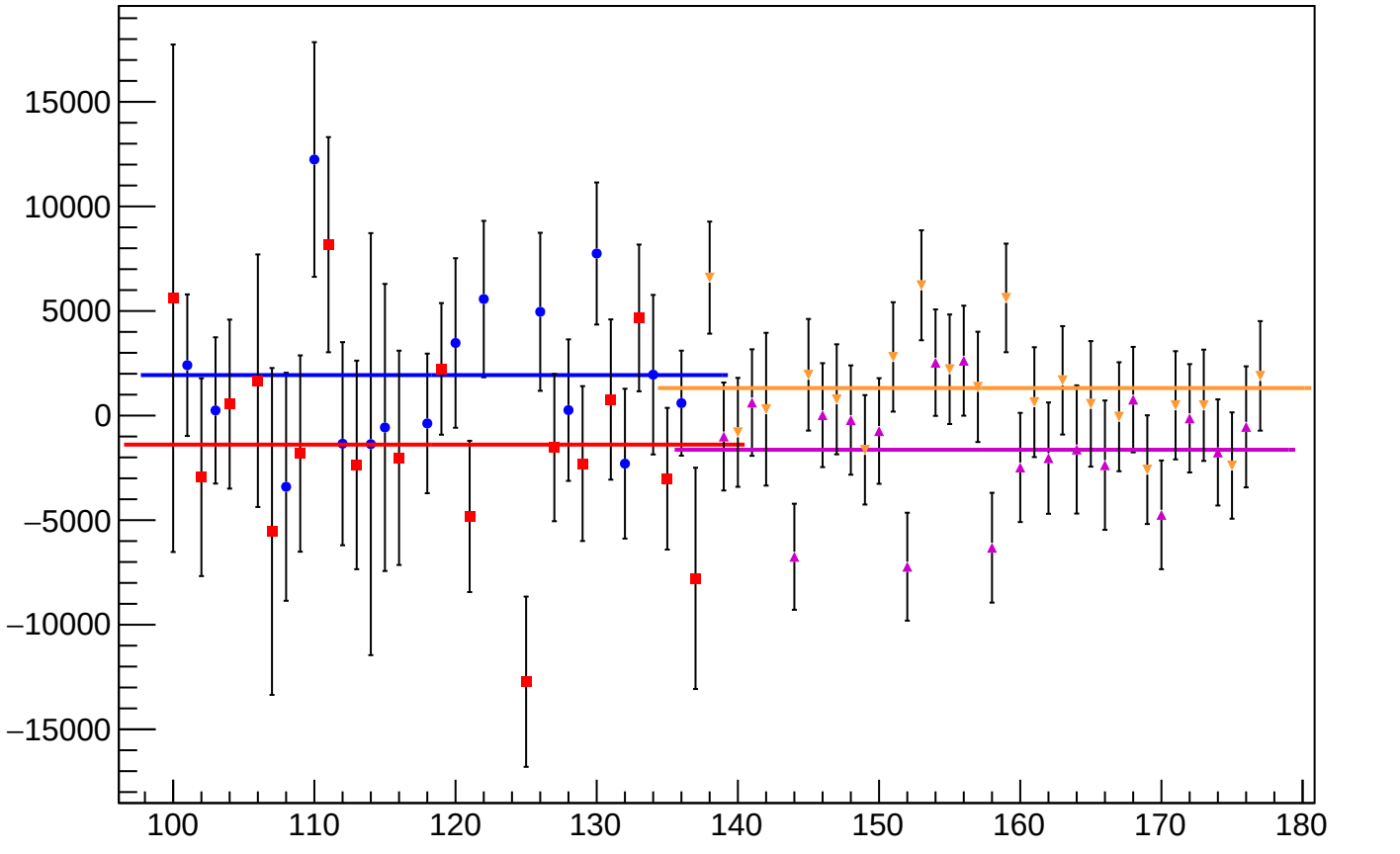
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 752.253+/-0.140 χ^2/NDF:1705168.4/18

+ sign 800.839+/-0.124 χ^2/NDF: 3854104.0/35

All: 805.195+/-0.089 χ^2/NDF: 9195287.1/72

- sign 809.855+/-0.128 χ^2/NDF: 5338629.6/36



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1316.204+/-596.213 χ^2/NDF:17.7/19

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

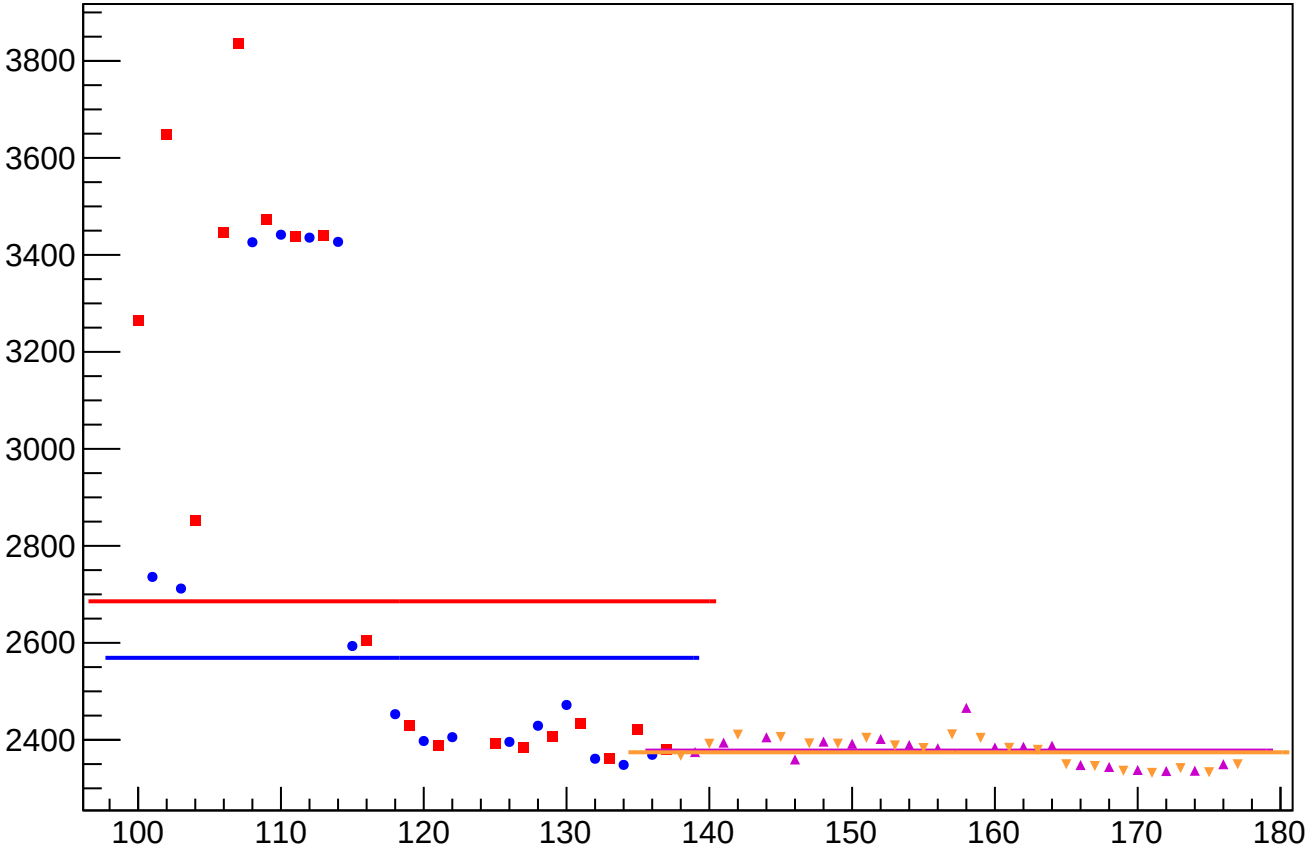
Left In: -1633.979+/-603.205 χ^2/NDF:22.0/18

+ sign 1488.119+/-506.824 χ^2/NDF: 30.4/35

All: -7.881+/-362.181 χ^2/NDF: 90.0/72

- sign -1569.105+/-517.754 χ^2/NDF: 41.8/36

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2374.315+/-0.422 χ^2/NDF:4146.1/19

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

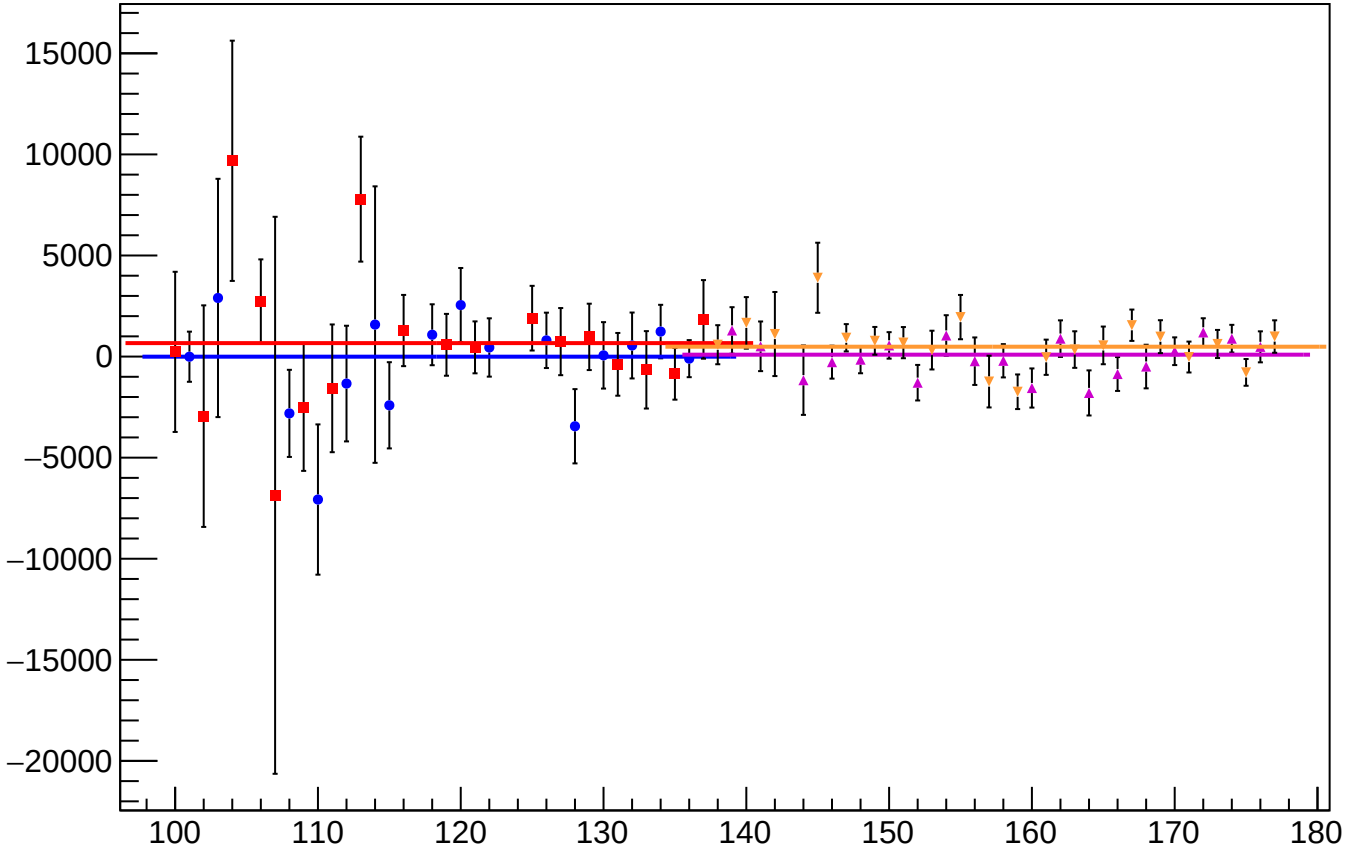
Left In: 2377.837+/-0.427 χ^2/NDF:5385.2/18

+ sign 2428.352+/-0.358 χ^2/NDF: 292863.8/35

All: 2443.289+/-0.256 χ^2/NDF: 858188.0/72

- sign 2458.877+/-0.366 χ^2/NDF: 561774.3/36

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 487.842+/-193.791 χ^2/NDF:23.1/19

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

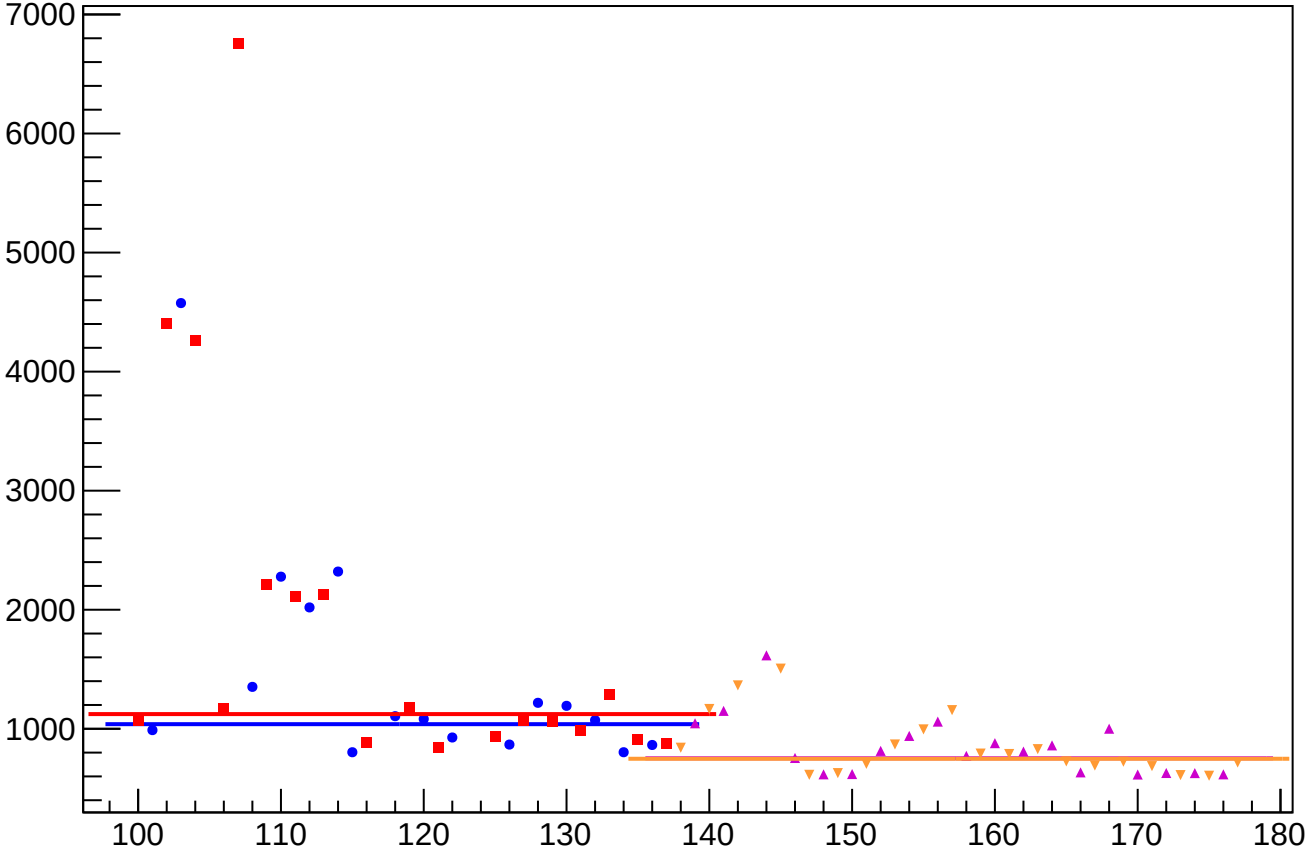
Left In: 93.524+/-197.359 χ^2/NDF:18.5/18

\+ sign 398.615+/-175.379 χ^2/NDF: 38.8/35

All: 294.130+/-126.087 χ^2/NDF: 73.7/72

\- sign 182.347+/-181.402 χ^2/NDF: 34.1/36

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 748.256+/-0.137 χ^2/NDF:1500711.4/19

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

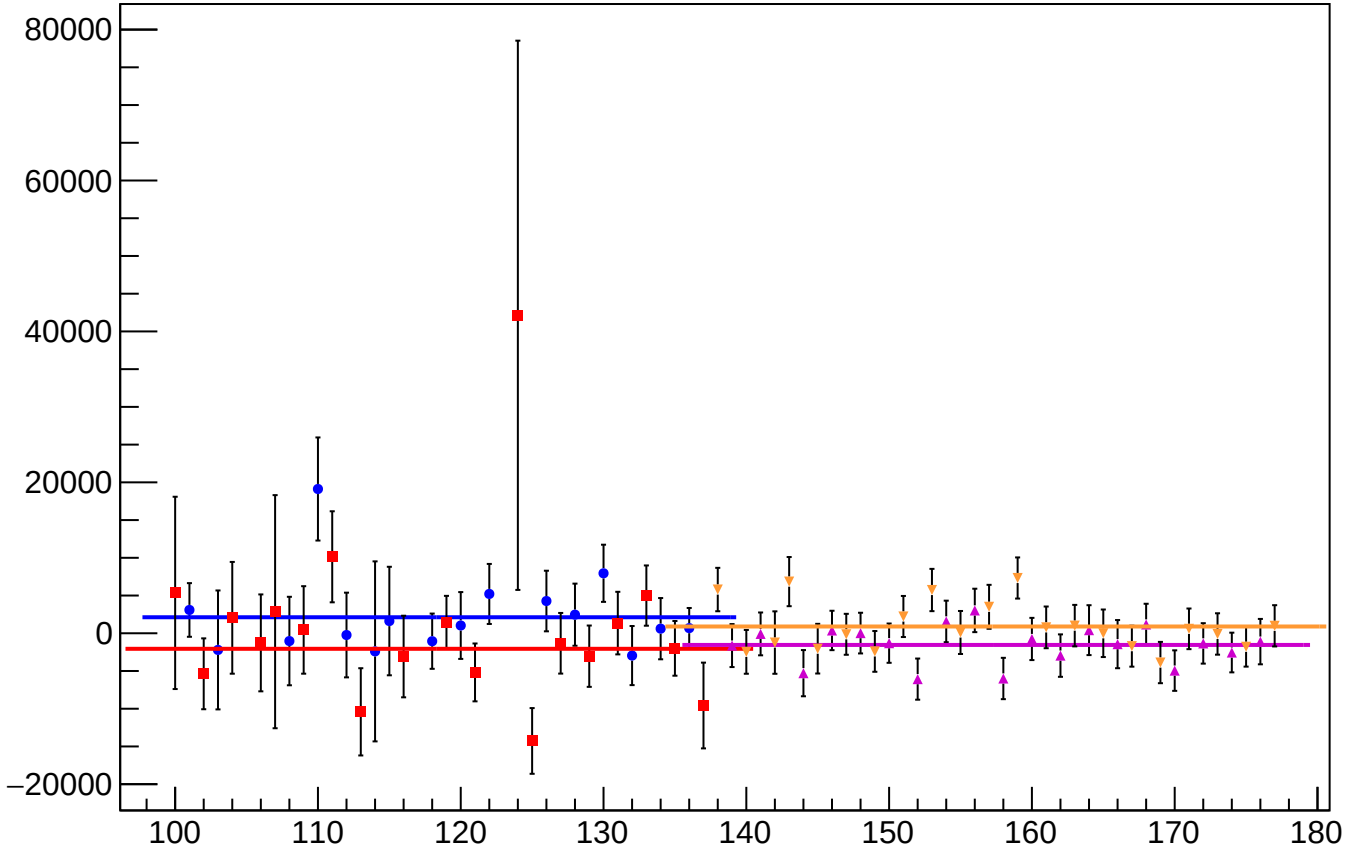
Left In: 752.255+/-0.140 χ^2/NDF:1705164.8/18

+ sign 800.841+/-0.124 χ^2/NDF: 3854089.9/35

All: 805.196+/-0.089 χ^2/NDF: 9195258.1/72

- sign 809.856+/-0.128 χ^2/NDF: 5338614.7/36

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 897.287+/-622.796 χ^2/NDF:25.2/20

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

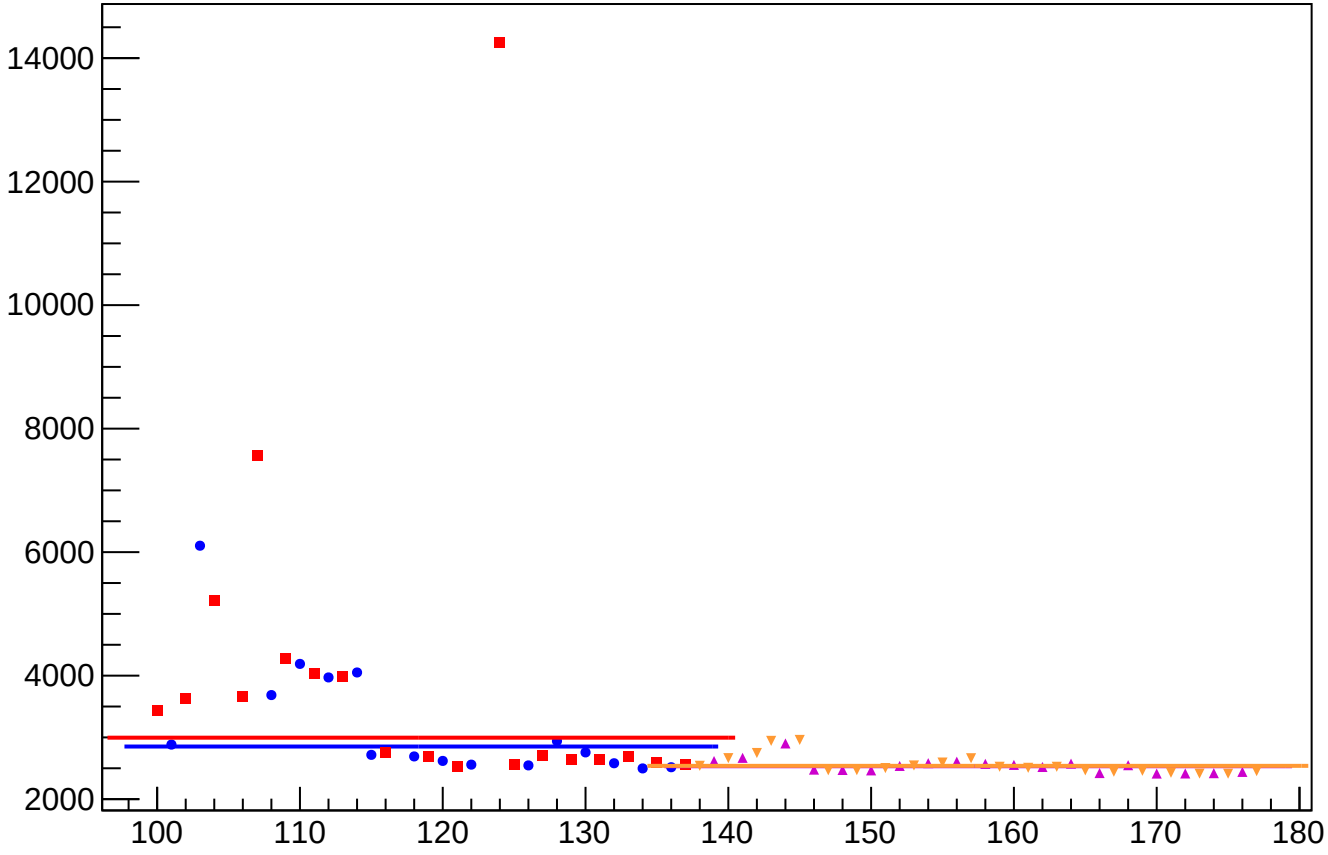
Left In: -1547.128+/-643.220 χ^2/NDF:15.3/18

+ sign 1200.929+/-540.101 χ^2/NDF: 39.5/36

All: -183.775+/-388.694 χ^2/NDF: 92.9/74

- sign -1671.440+/-559.821 χ^2/NDF: 39.8/37

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2539.410+/-0.440 χ^2/NDF:99300.2/20

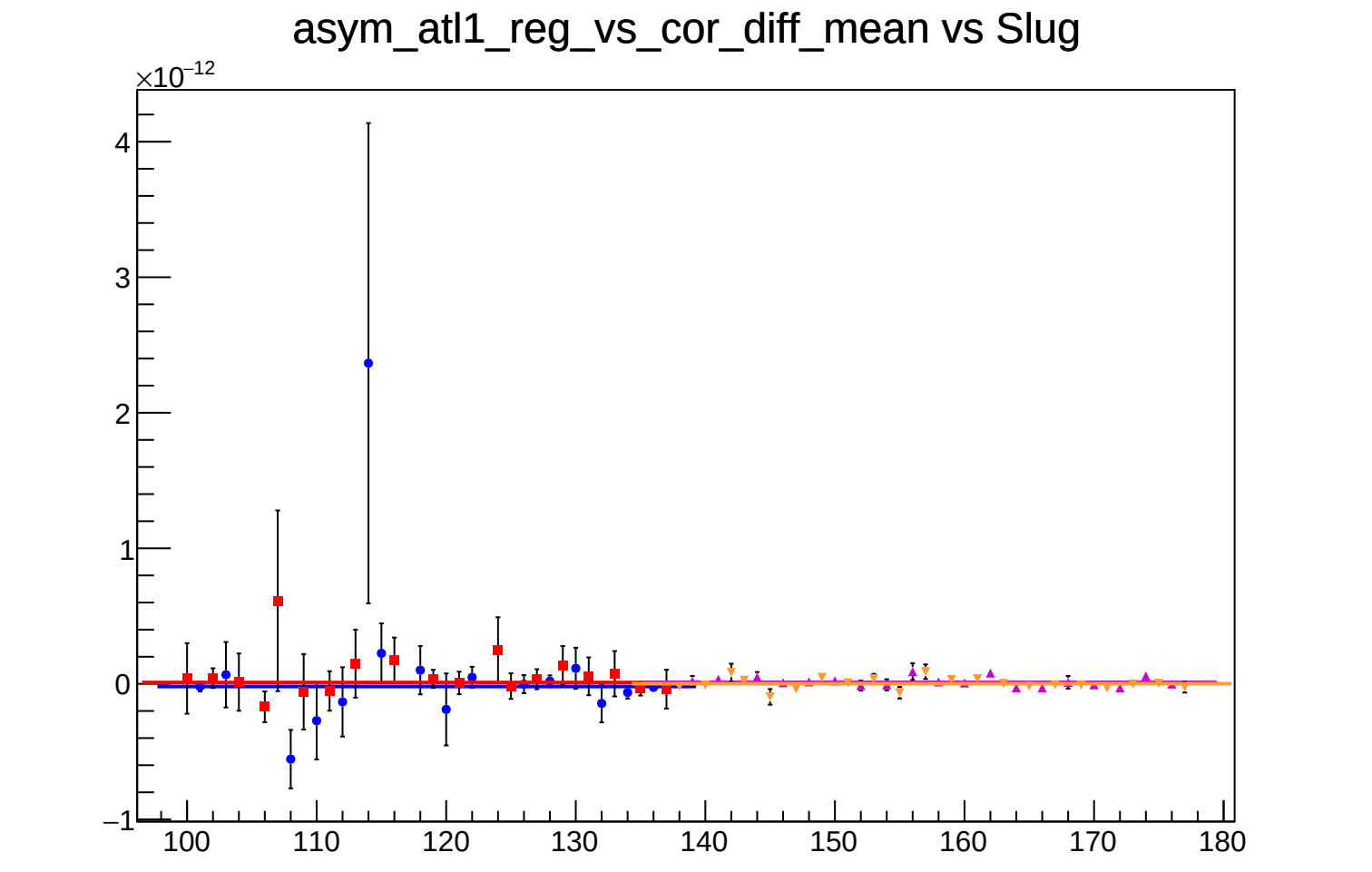
Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2532.942+/-0.455 χ^2/NDF:57163.0/18

+ sign 2616.962+/-0.382 χ^2/NDF: 873096.0/36

All: 2630.537+/-0.275 χ^2/NDF: 2162899.0/74

- sign 2645.122+/-0.396 χ^2/NDF: 1287182.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

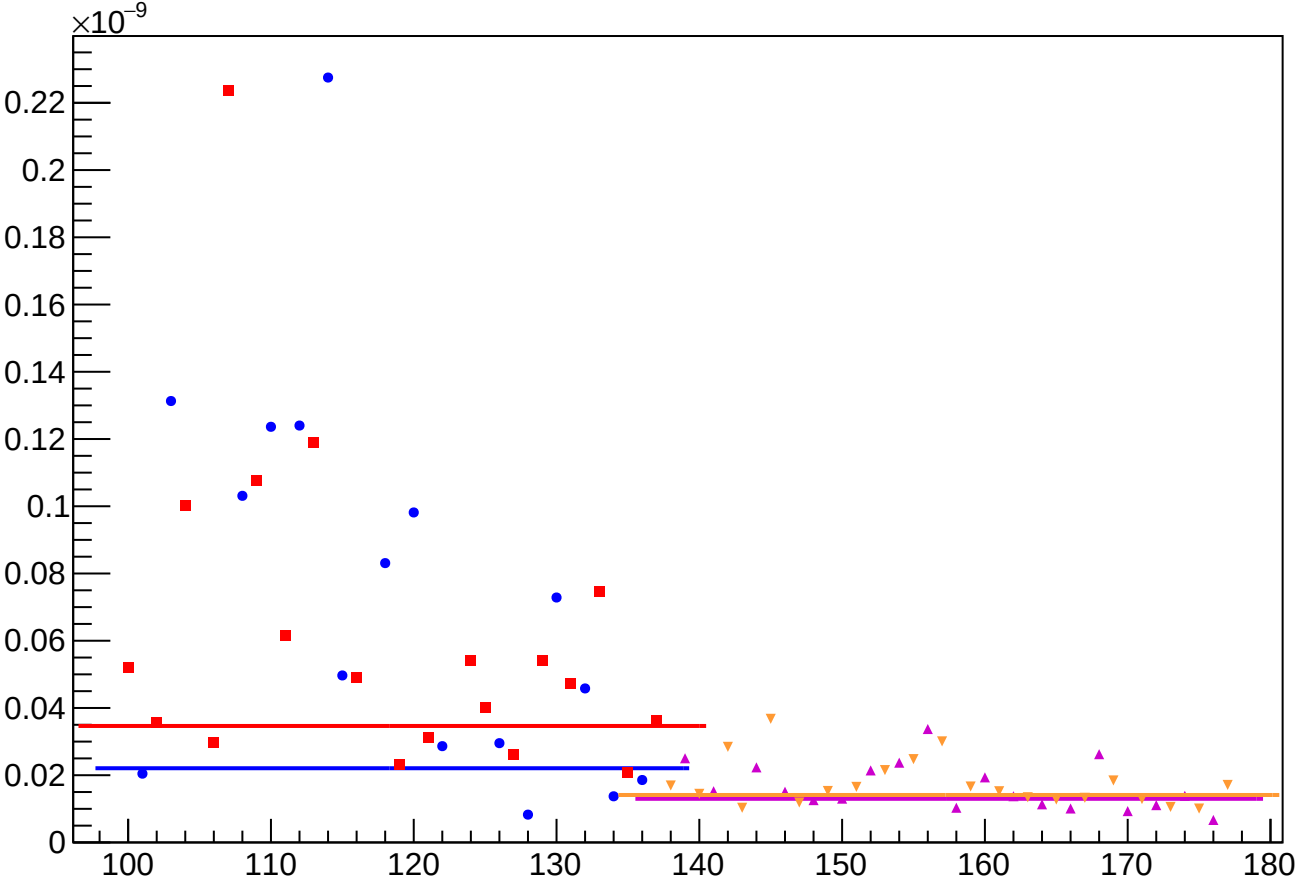
Left In: 0.000+/-0.000 χ^2/NDF:26.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/36

All: 0.000+/-0.000 χ^2/NDF: 78.3/74

- sign 0.000+/-0.000 χ^2/NDF: 34.8/37

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1211063.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

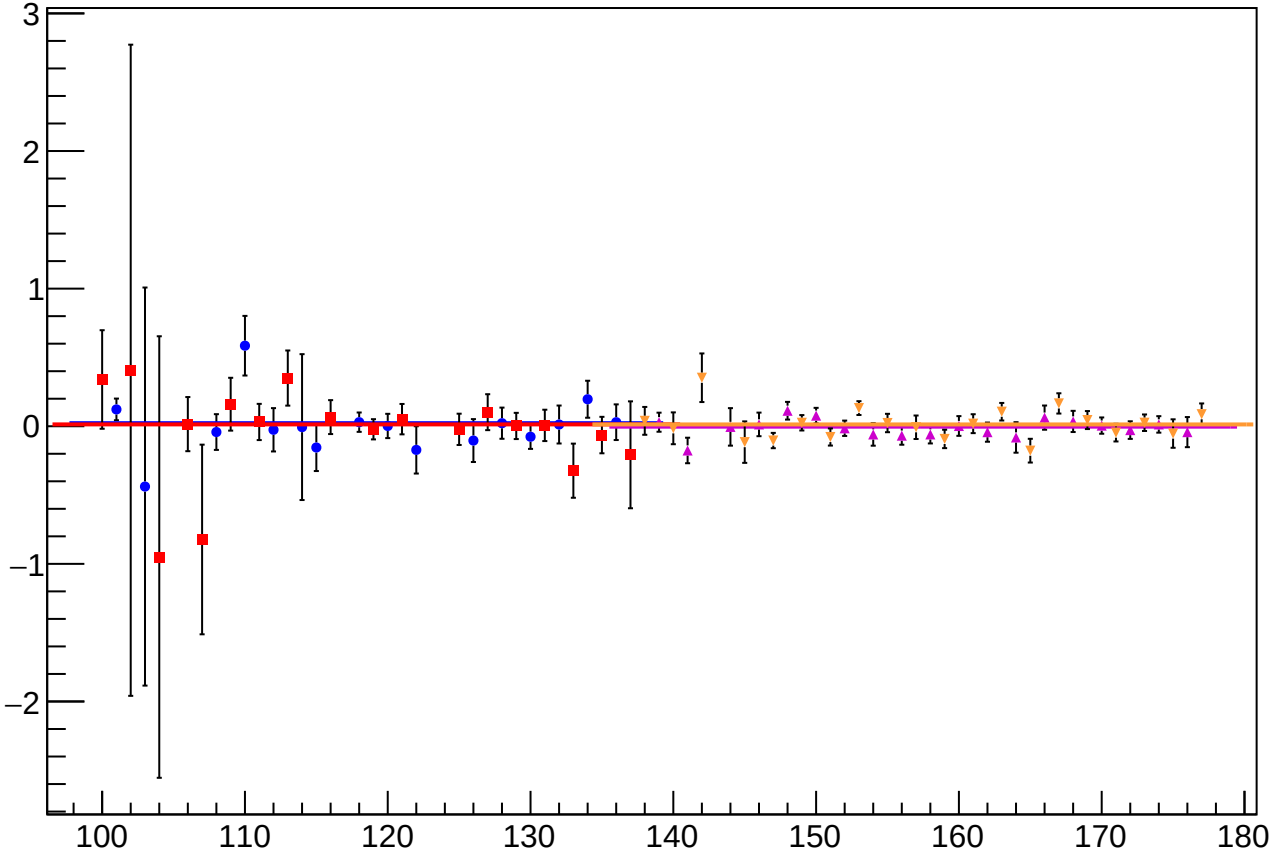
Left In: 0.000+/-0.000 χ^2/NDF:1536034.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 3942775.6/36

All: 0.000+/-0.000 χ^2/NDF: 8225889.8/74

- sign 0.000+/-0.000 χ^2/NDF: 4265455.4/37

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

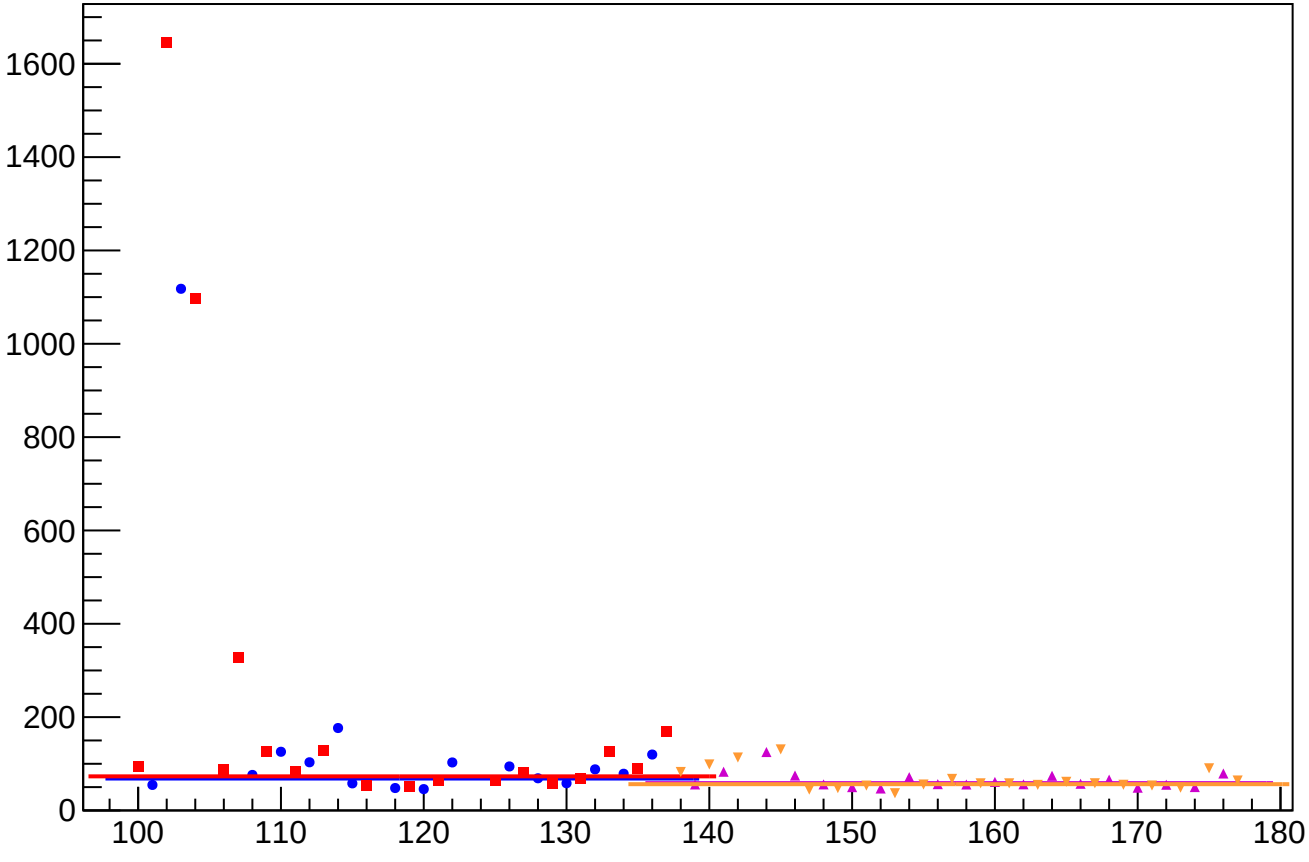
Left In: -0.003+/-0.016 χ^2/NDF:13.2/18

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/35

All: 0.008+/-0.010 χ^2/NDF: 72.7/72

- sign 0.000+/-0.015 χ^2/NDF: 24.2/36

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858344.8/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

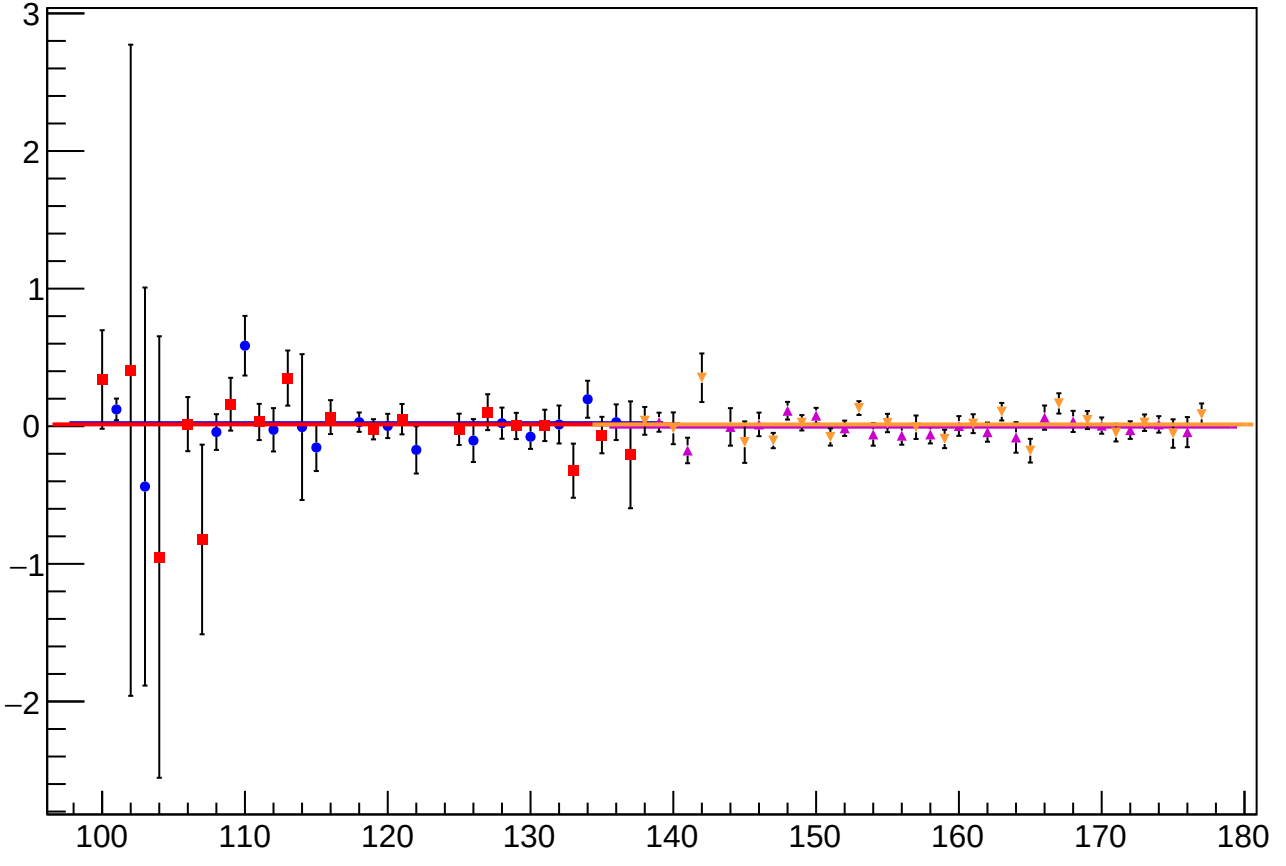
Left In: 58.552+/-0.012 χ^2/NDF:1117484.4/18

+ sign 58.968+/-0.010 χ^2/NDF: 4388648.9/35

All: 60.122+/-0.007 χ^2/NDF: 8750018.1/72

- sign 61.389+/-0.010 χ^2/NDF: 4333344.7/36

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

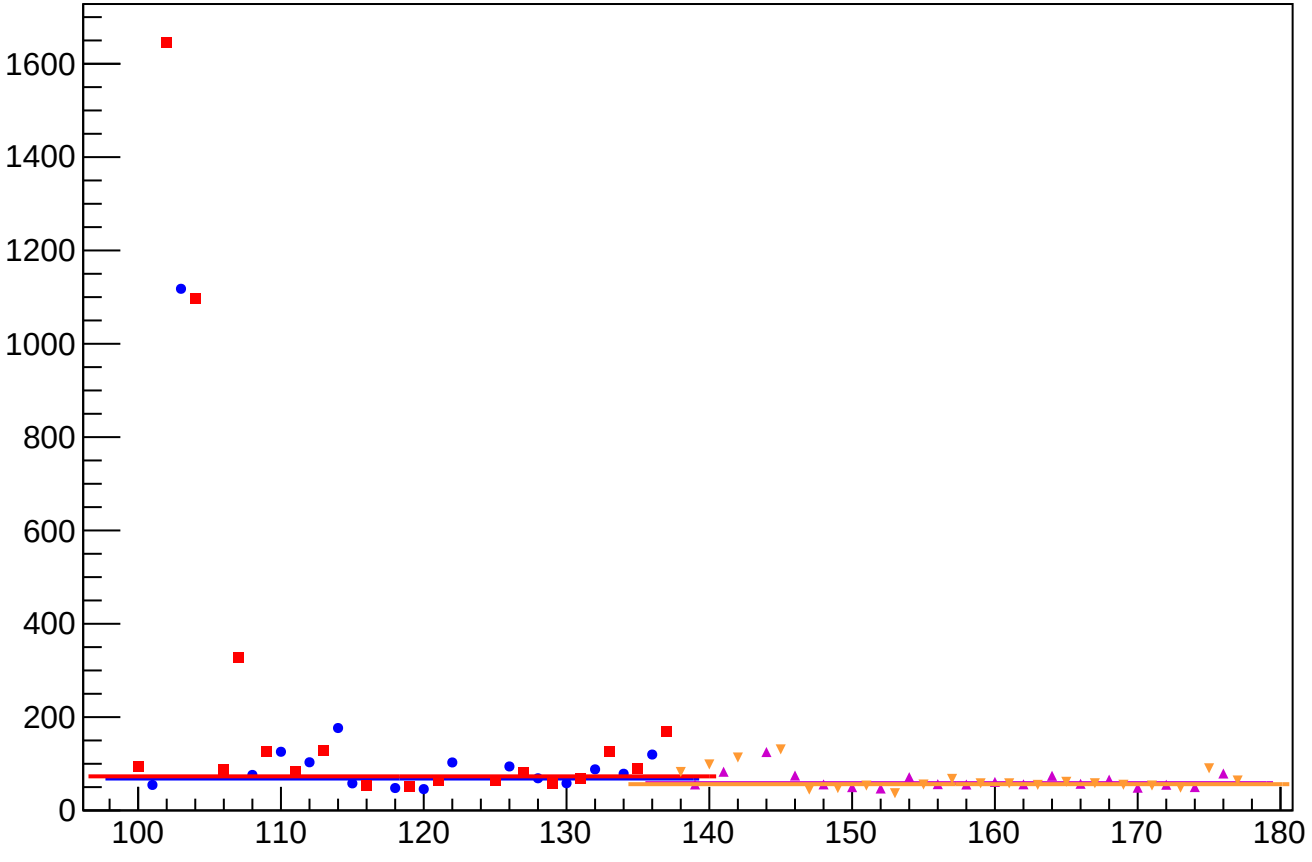
Left In: -0.003+/-0.016 χ^2/NDF:13.2/18

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/35

All: 0.008+/-0.010 χ^2/NDF: 72.7/72

- sign 0.000+/-0.015 χ^2/NDF: 24.2/36

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858344.8/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

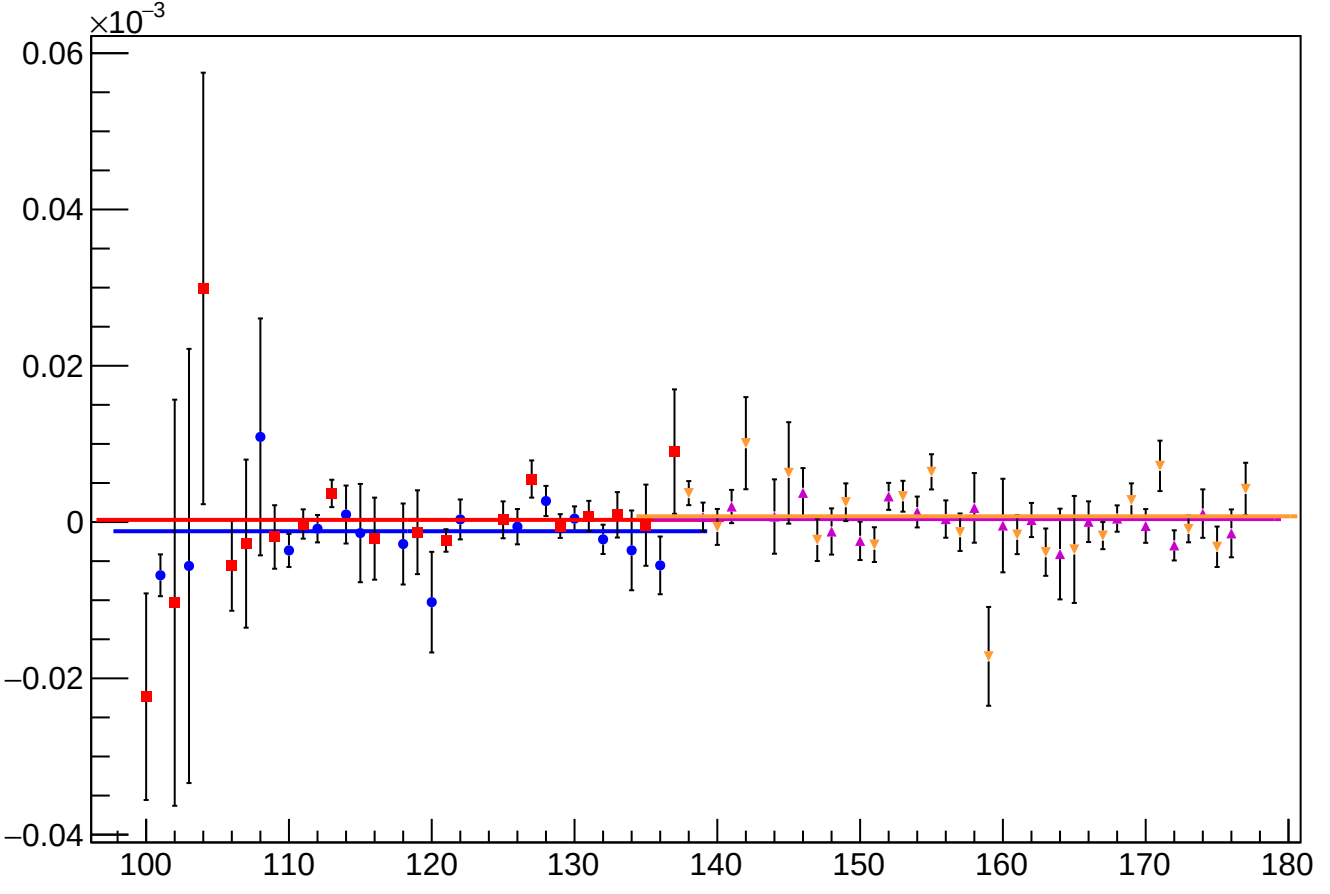
Left In: 58.552+/-0.012 χ^2/NDF:1117484.4/18

+ sign 58.968+/-0.010 χ^2/NDF: 4388648.9/35

All: 60.122+/-0.007 χ^2/NDF: 8750018.1/72

- sign 61.389+/-0.010 χ^2/NDF: 4333344.7/36

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:43.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

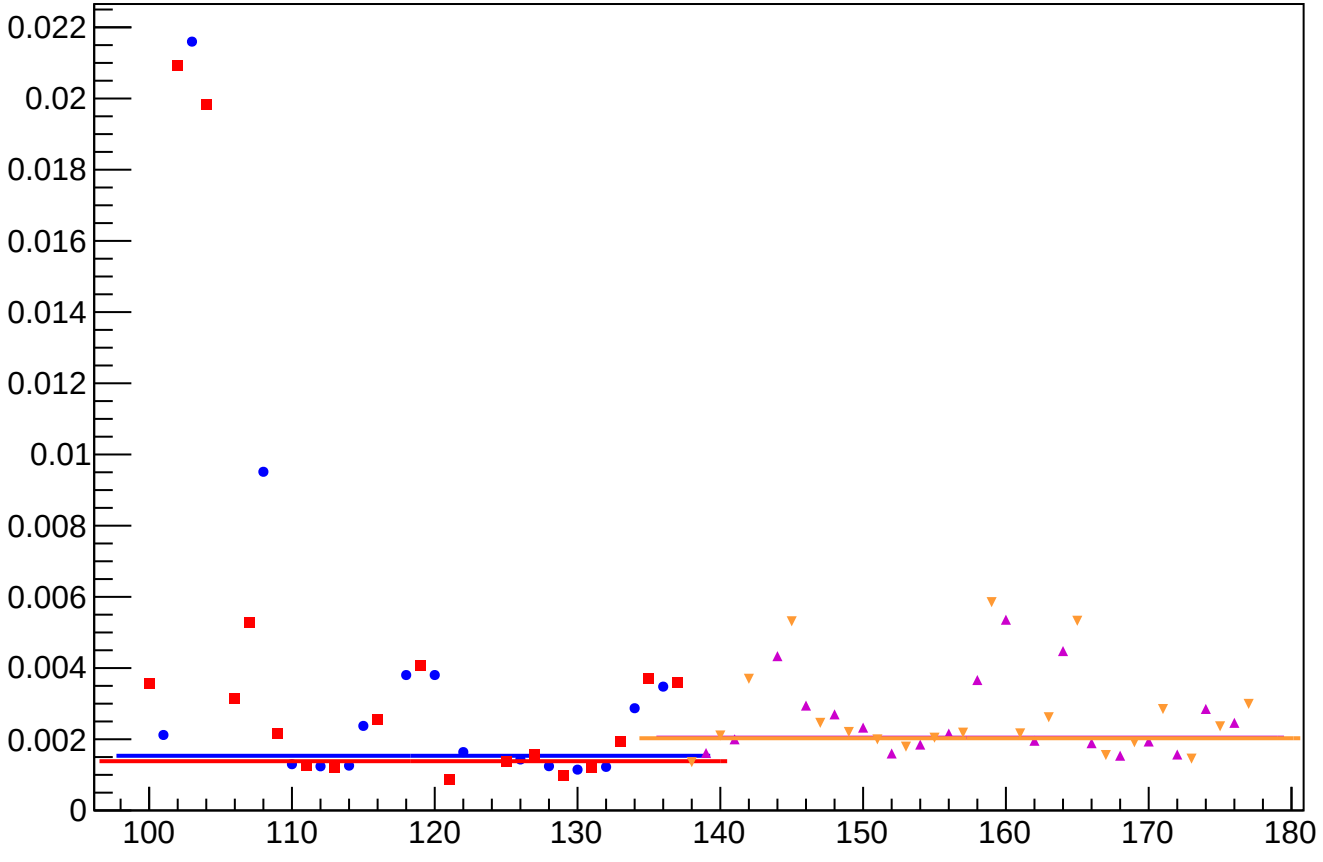
Left In: 0.000+/-0.000 χ^2/NDF:10.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 64.6/35

All: 0.000+/-0.000 χ^2/NDF: 95.2/72

- sign 0.000+/-0.000 χ^2/NDF: 30.2/36

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:3136718.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

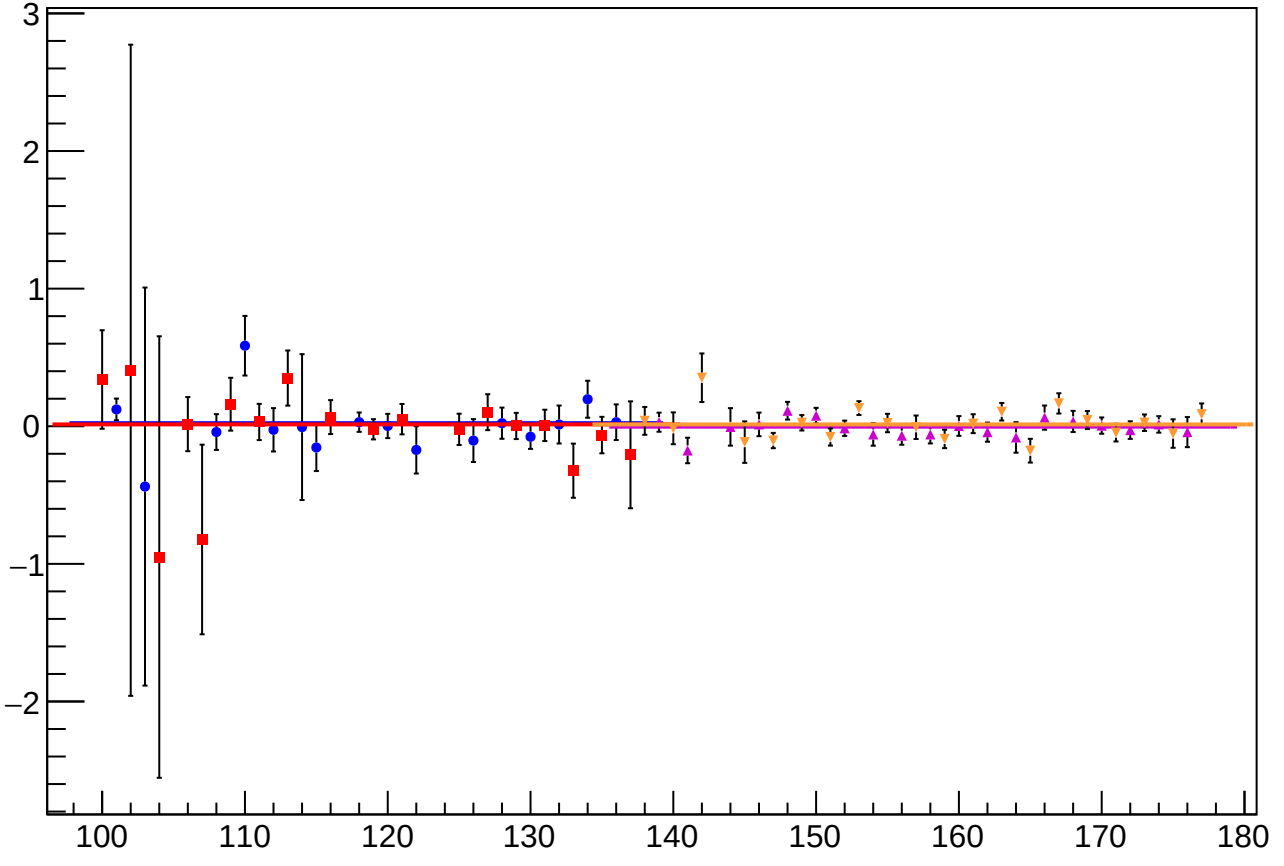
Left In: 0.002+/-0.000 χ^2/NDF:2733687.0/18

+ sign 0.002+/-0.000 χ^2/NDF: 7166722.2/35

All: 0.002+/-0.000 χ^2/NDF: 15430834.4/72

- sign 0.002+/-0.000 χ^2/NDF: 8234043.2/36

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

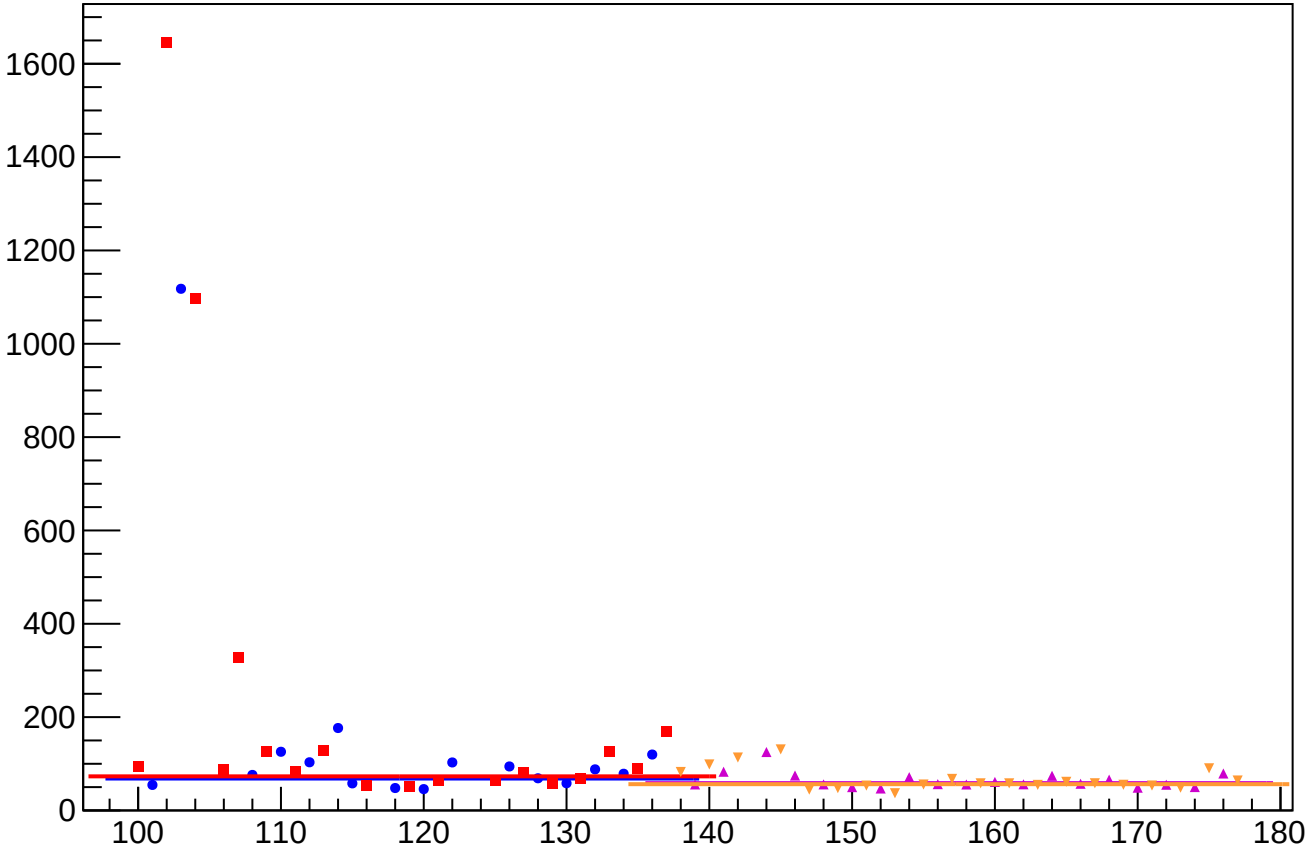
Left In: -0.003+/-0.016 χ^2/NDF:13.2/18

+ sign 0.015+/-0.014 χ^2/NDF: 48.0/35

All: 0.008+/-0.010 χ^2/NDF: 72.7/72

- sign 0.000+/-0.015 χ^2/NDF: 24.2/36

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858419.5/19

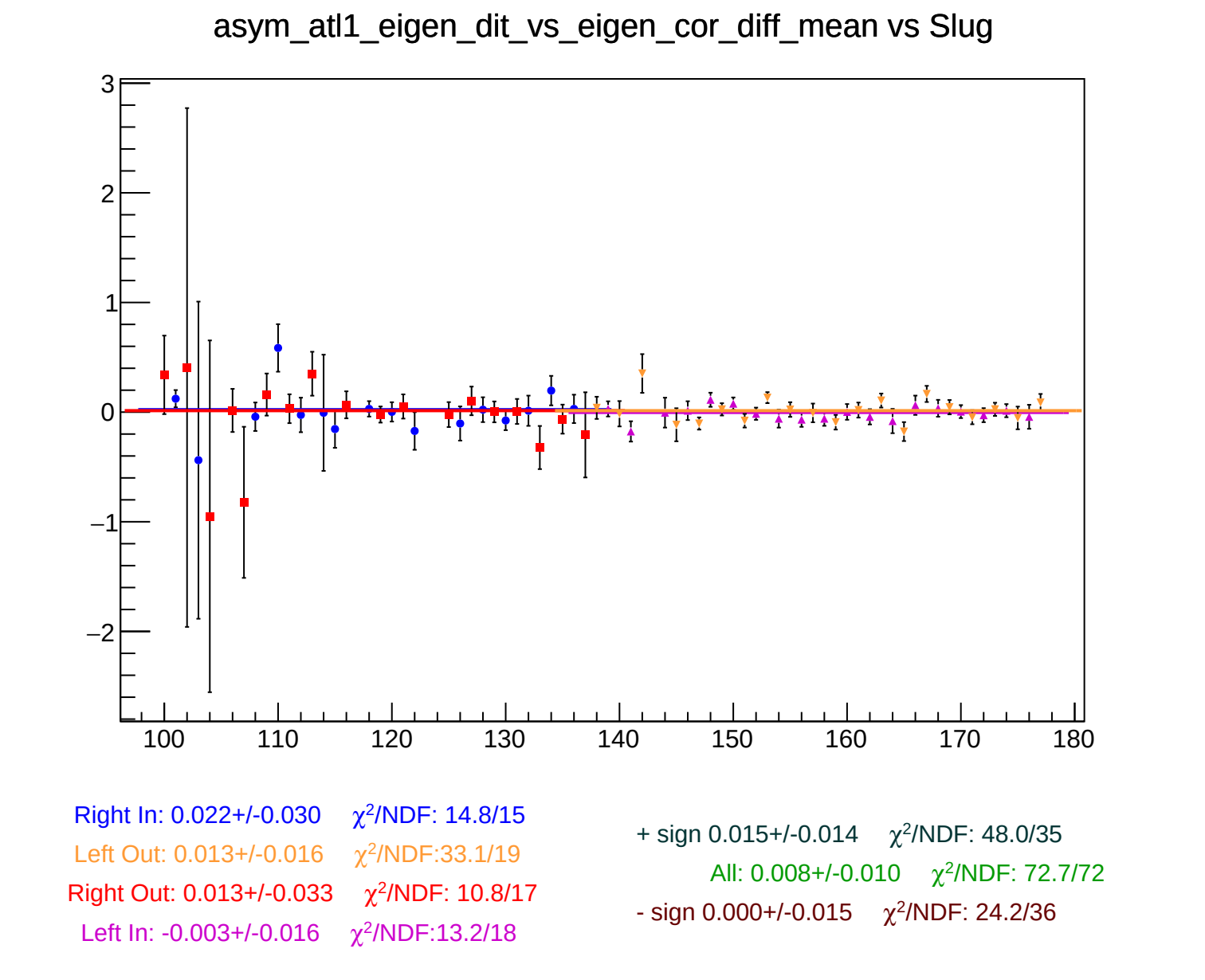
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.553+/-0.012 χ^2/NDF:1117457.7/18

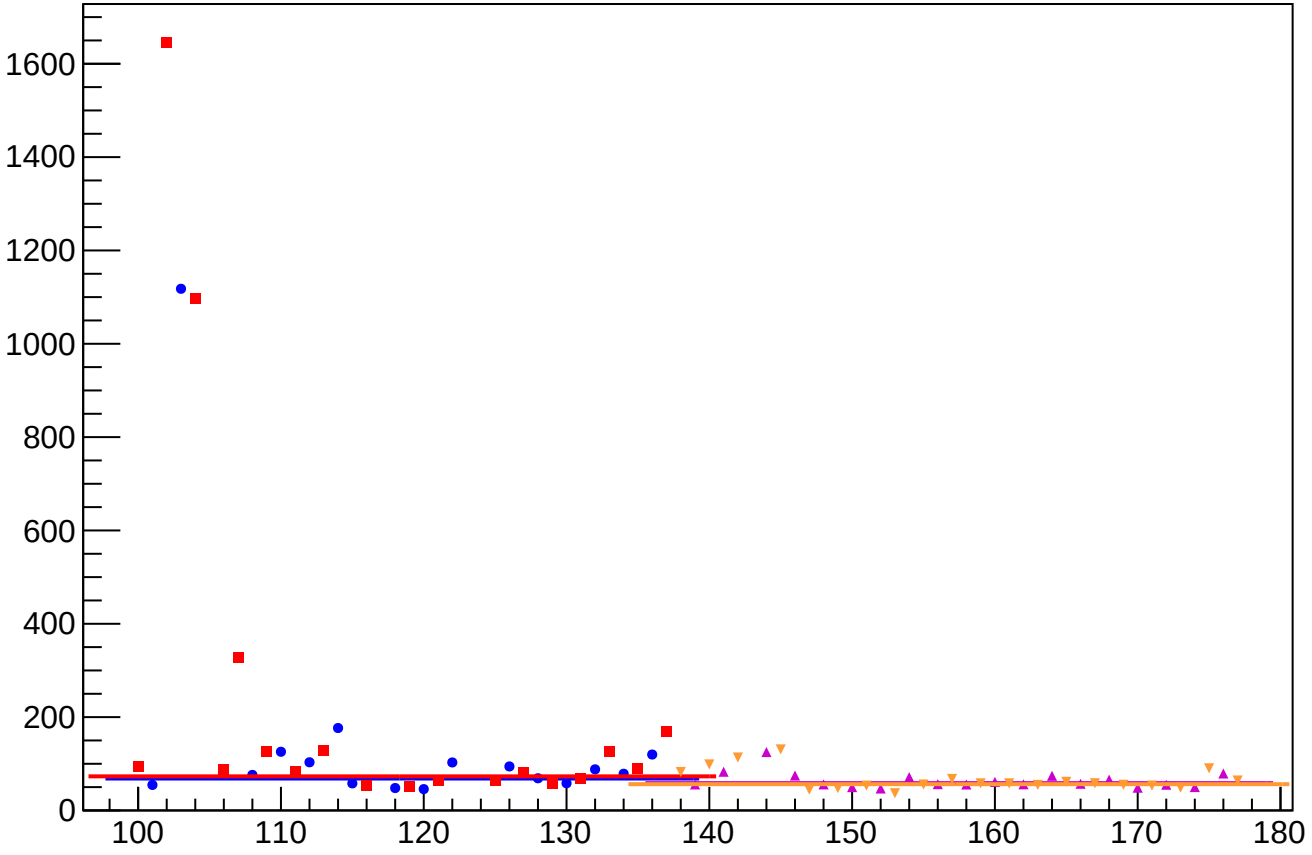
+ sign 58.968+/-0.010 χ^2/NDF: 4388770.0/35

All: 60.121+/-0.007 χ^2/NDF: 8750103.9/72

- sign 61.389+/-0.010 χ^2/NDF: 4333304.0/36


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: 0.013+/-0.016 χ²/NDF:33.1/19
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: -0.003+/-0.016 χ²/NDF:13.2/18
+ sign 0.015+/-0.014 χ²/NDF: 48.0/35
All: 0.008+/-0.010 χ²/NDF: 72.7/72
- sign 0.000+/-0.015 χ²/NDF: 24.2/36

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: 56.313+/-0.011 χ^2/NDF:1858419.5/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

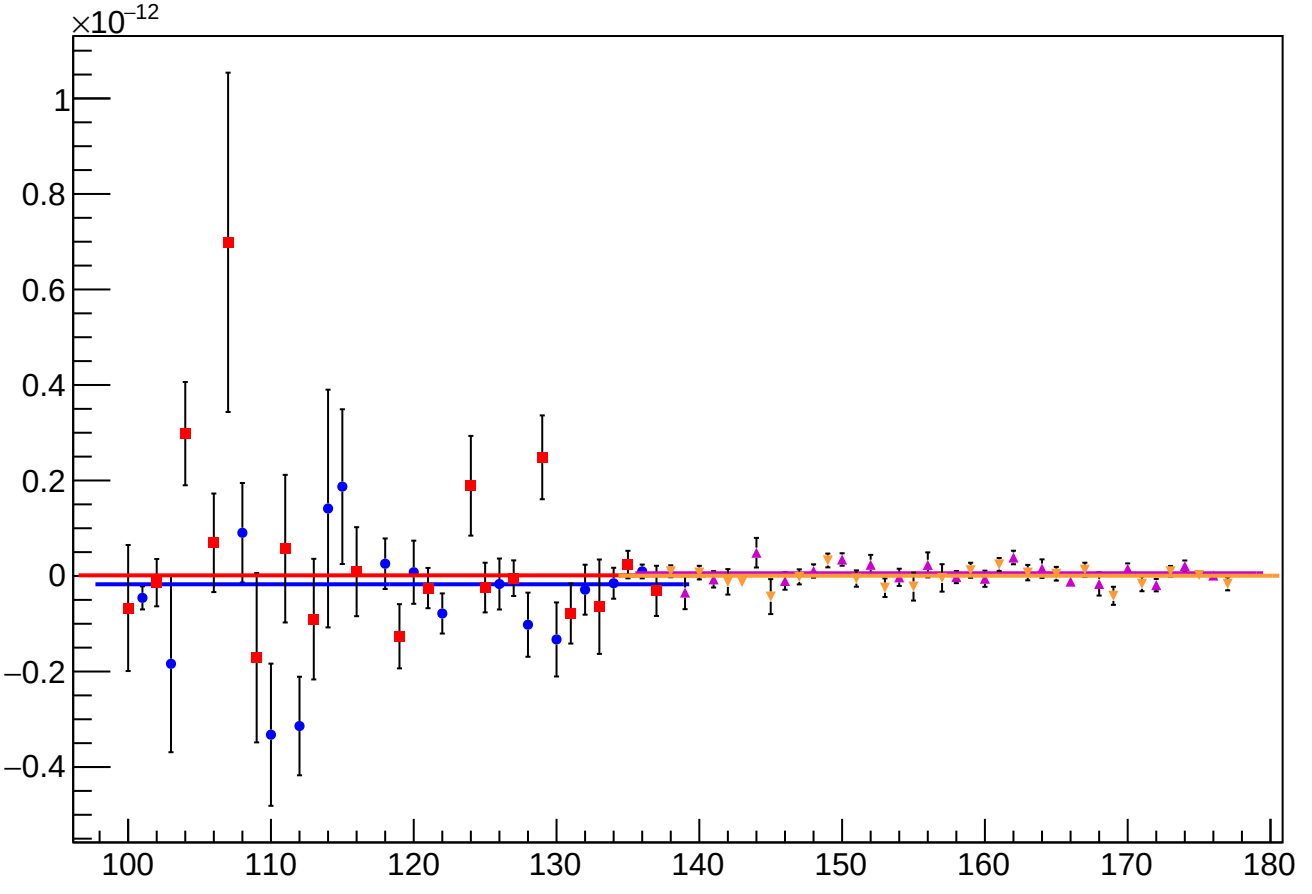
Left In: 58.553+/-0.012 χ^2/NDF:1117457.7/18

+ sign 58.968+/-0.010 χ^2/NDF: 4388770.0/35

All: 60.121+/-0.007 χ^2/NDF: 8750103.9/72

- sign 61.389+/-0.010 χ^2/NDF: 4333304.0/36

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:24.6/20

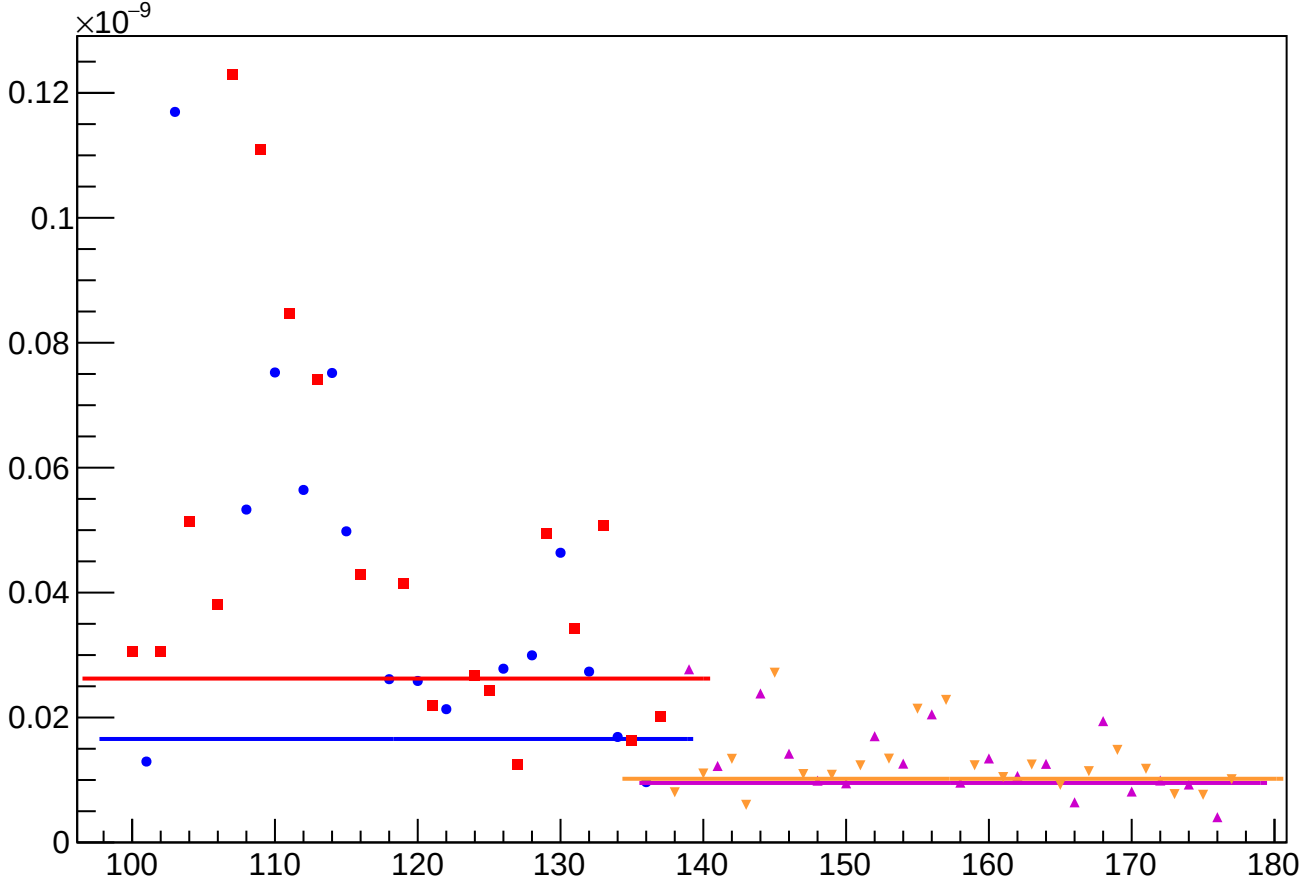
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 55.8/36

All: 0.000+/-0.000 χ^2/NDF: 118.1/74

- sign 0.000+/-0.000 χ^2/NDF: 60.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2187110.3/20

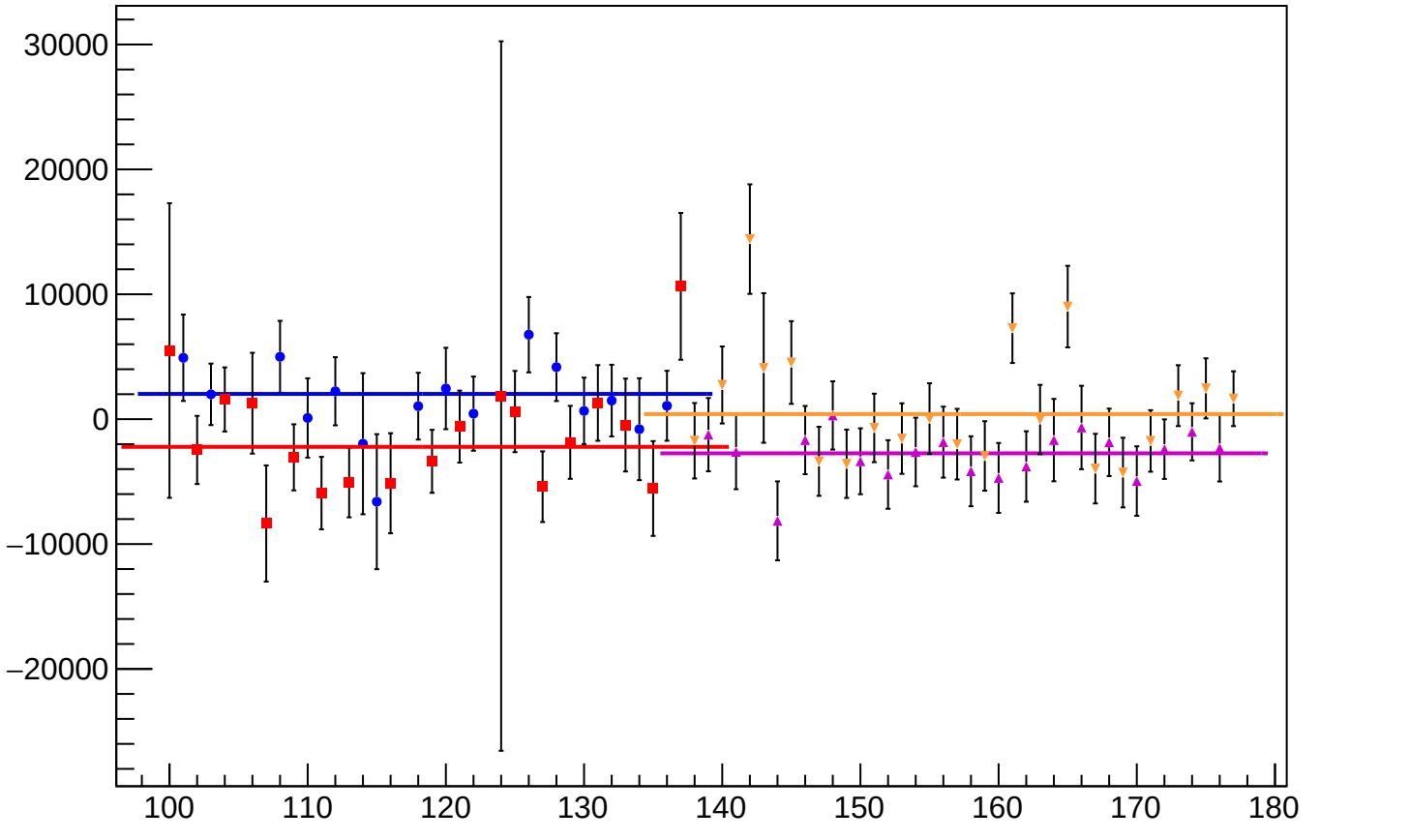
Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:3665518.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 5747596.9/36

All: 0.000+/-0.000 χ^2/NDF: 14392042.2/74

- sign 0.000+/-0.000 χ^2/NDF: 8624093.6/37



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 406.387+/-618.901 χ^2/NDF:40.5/20

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

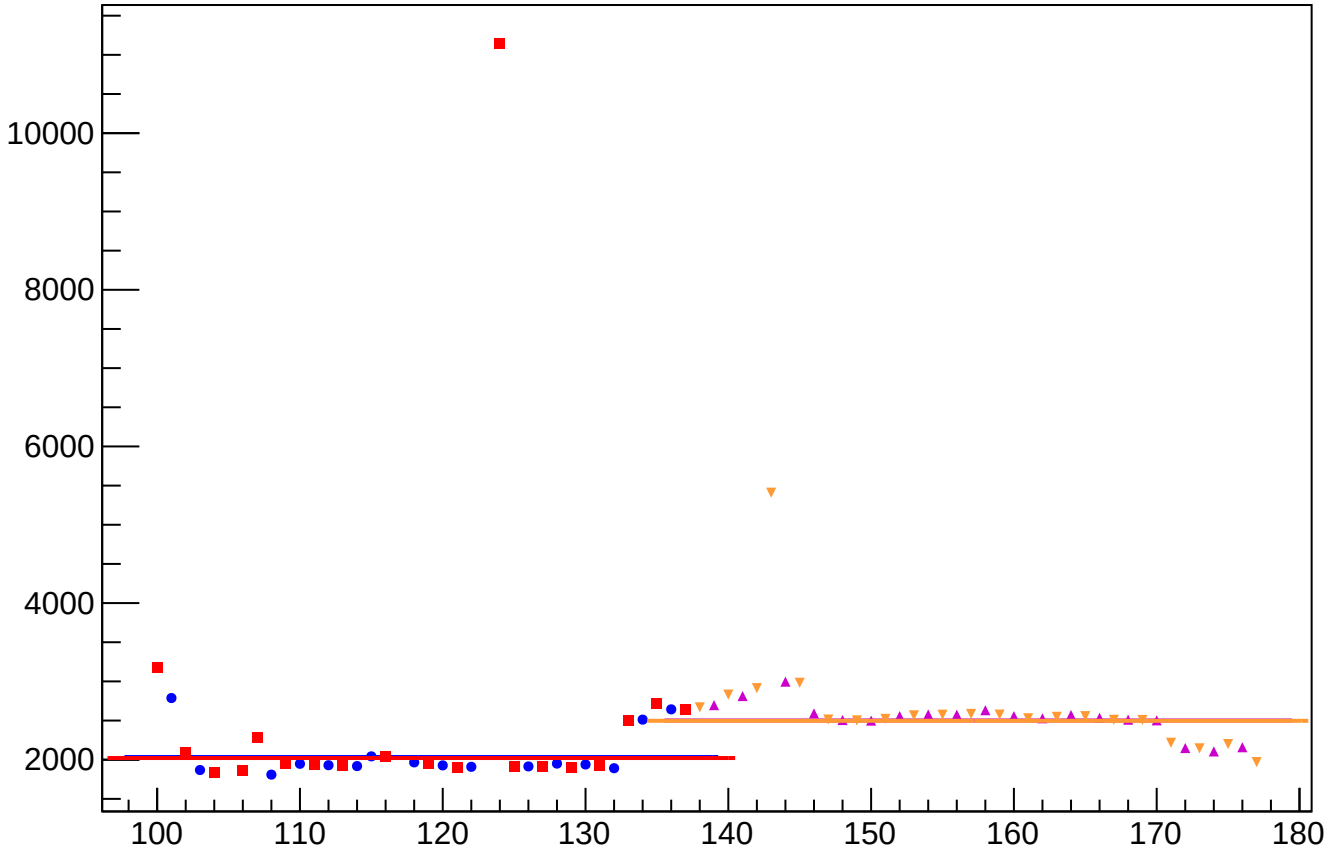
Left In: -2735.777+/-636.986 χ^2/NDF:7.8/18

+ sign 1046.436+/-480.996 χ^2/NDF: 52.9/36

All: -714.337+/-342.275 χ^2/NDF: 106.3/74

- sign -2520.546+/-487.162 χ^2/NDF: 26.3/37

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2496.899+/-0.438 χ^2/NDF:785807.2/20

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

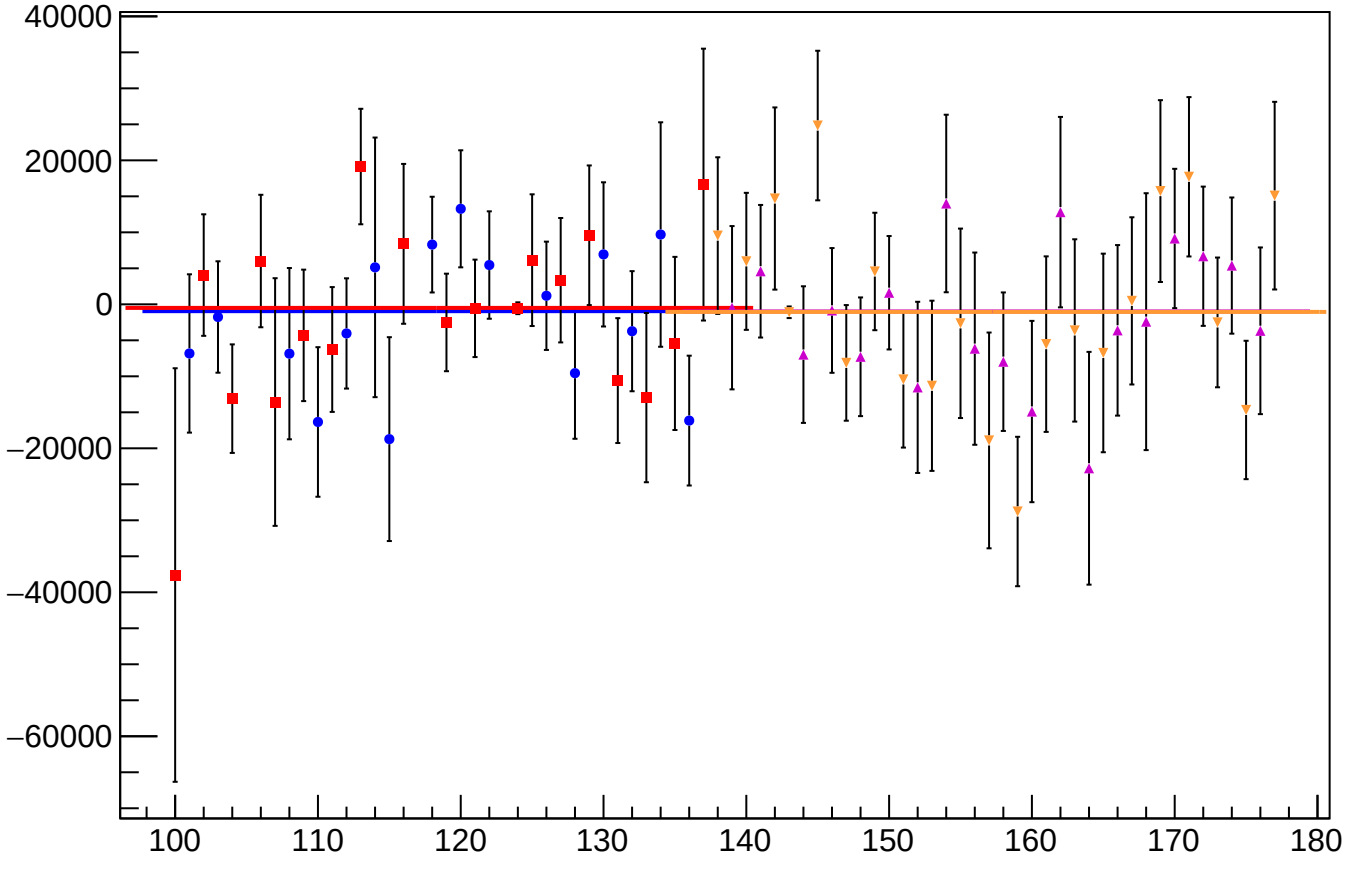
Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

+ sign 2313.656+/-0.340 χ^2/NDF: 1491511.8/36

All: 2307.907+/-0.242 χ^2/NDF: 2581047.4/74

- sign 2302.011+/-0.344 χ^2/NDF: 1088956.8/37

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1051.925+/-765.302 χ^2/NDF:29.4/20

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

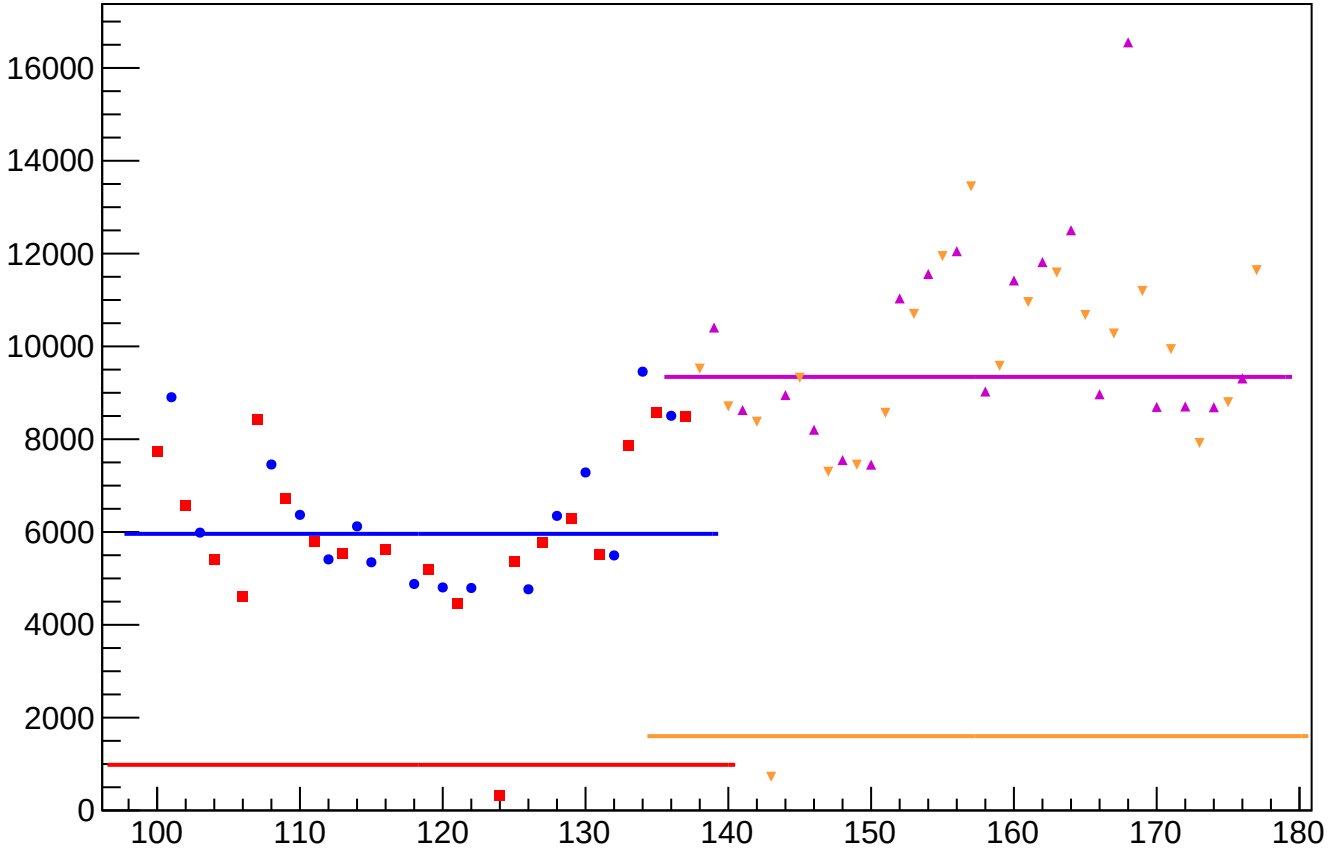
Left In: -989.421+/-2418.073 χ^2/NDF:10.8/18

+ sign -1041.645+/-725.474 χ^2/NDF: 44.7/36

All: -794.364+/-515.355 χ^2/NDF: 74.3/74

- sign -542.466+/-732.216 χ^2/NDF: 29.3/37

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1601.373+/-0.541 χ^2/NDF:24167154.8/20

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

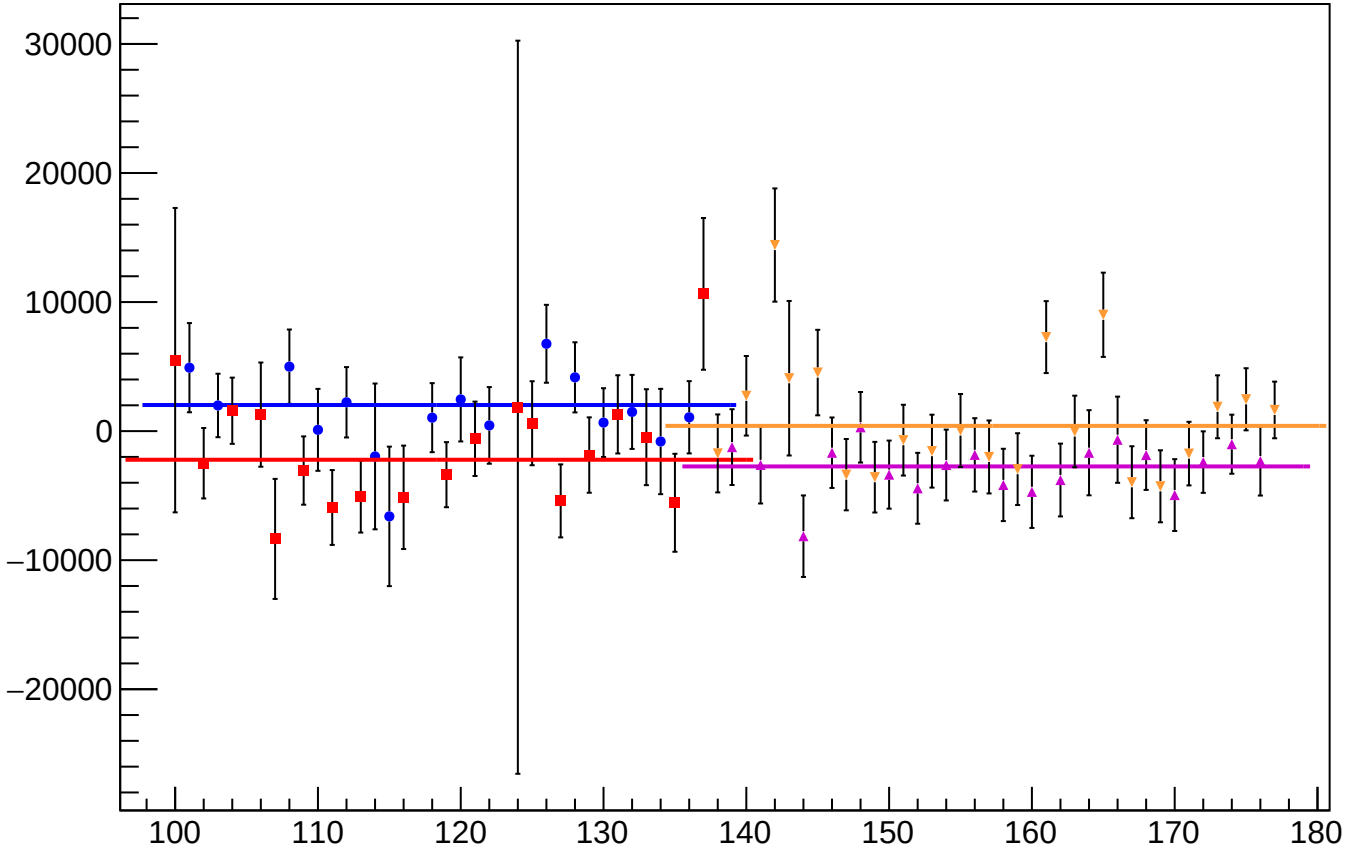
Left In: 9342.635+/-1.710 χ^2/NDF:1023641.3/18

+ sign 2043.313+/-0.513 χ^2/NDF: 31435382.4/36

All: 1897.921+/-0.364 χ^2/NDF: 65748140.2/7

- sign 1749.814+/-0.518 χ^2/NDF: 34150601.9/37

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 406.334+/-618.901 χ^2/NDF:40.5/20

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

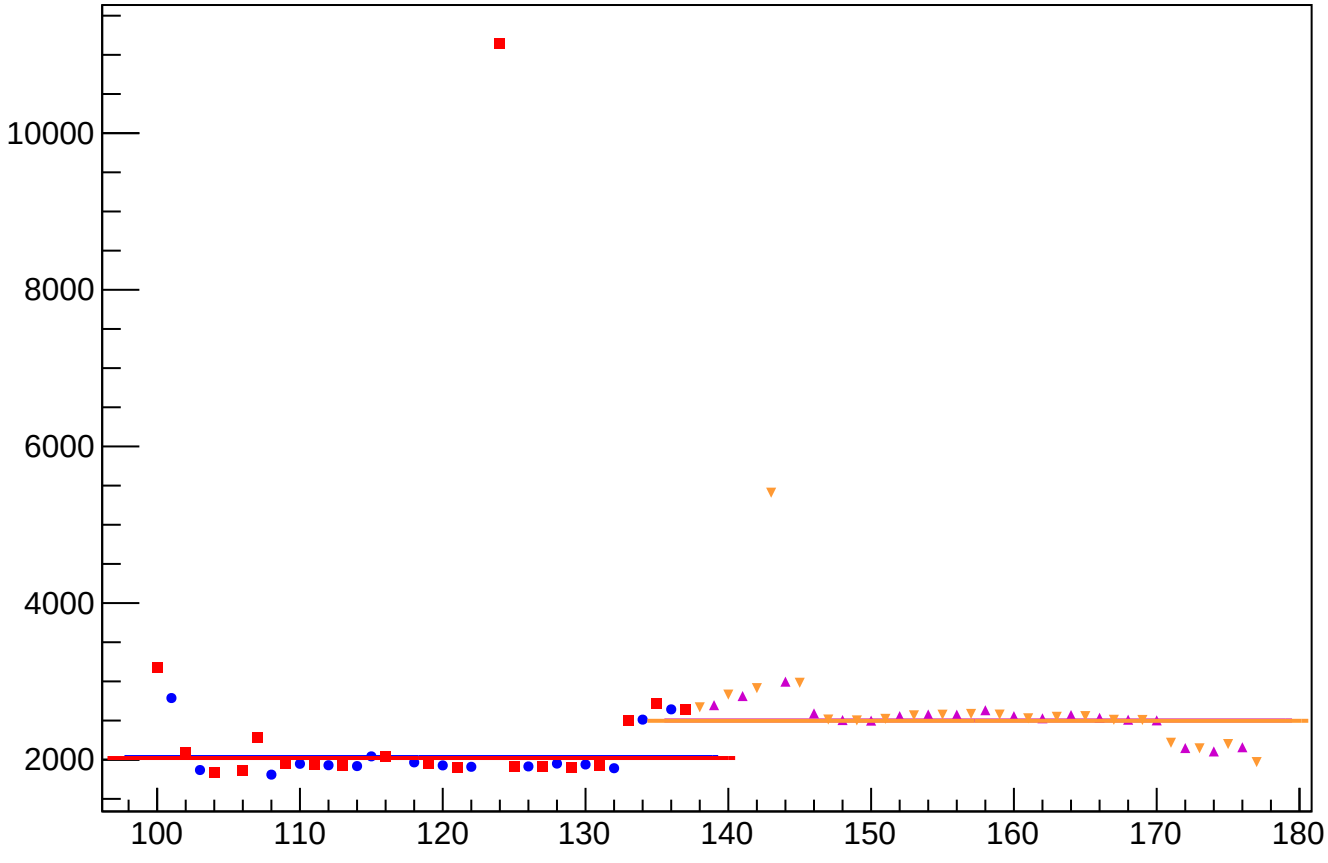
Left In: -2735.812+/-636.986 χ^2/NDF:7.9/18

+ sign 1046.454+/-480.996 χ^2/NDF: 52.9/36

All: -714.709+/-342.276 χ^2/NDF: 106.3/74

- sign -2521.332+/-487.164 χ^2/NDF: 26.3/37

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2496.899+/-0.438 χ^2/NDF:785807.2/20

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

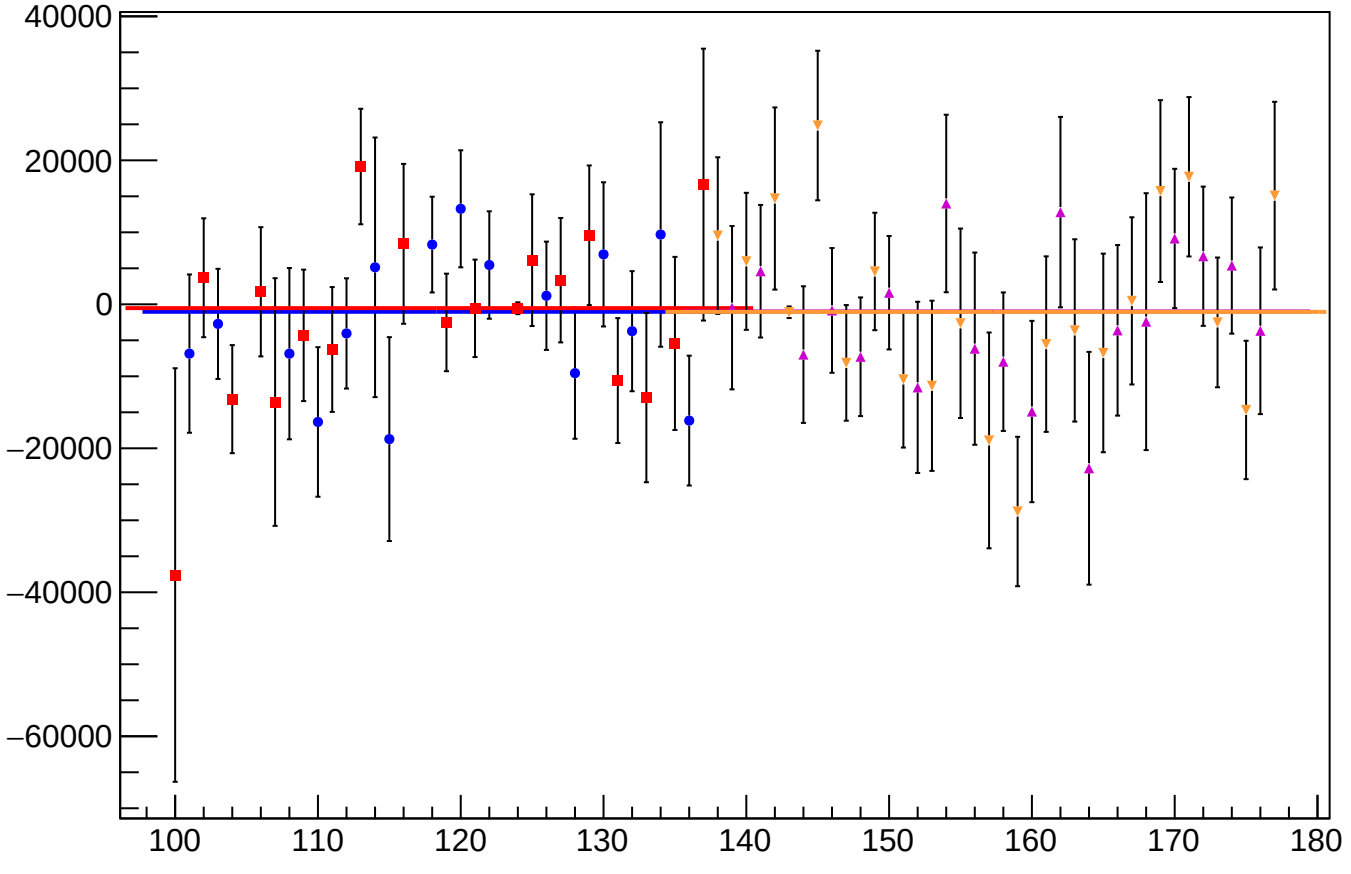
Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

+ sign 2313.656+/-0.340 χ^2/NDF: 1491512.0/36

All: 2307.913+/-0.242 χ^2/NDF: 2581010.3/74

- sign 2302.022+/-0.344 χ^2/NDF: 1088920.8/37

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1051.703+/-765.235 χ^2/NDF:29.4/20

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

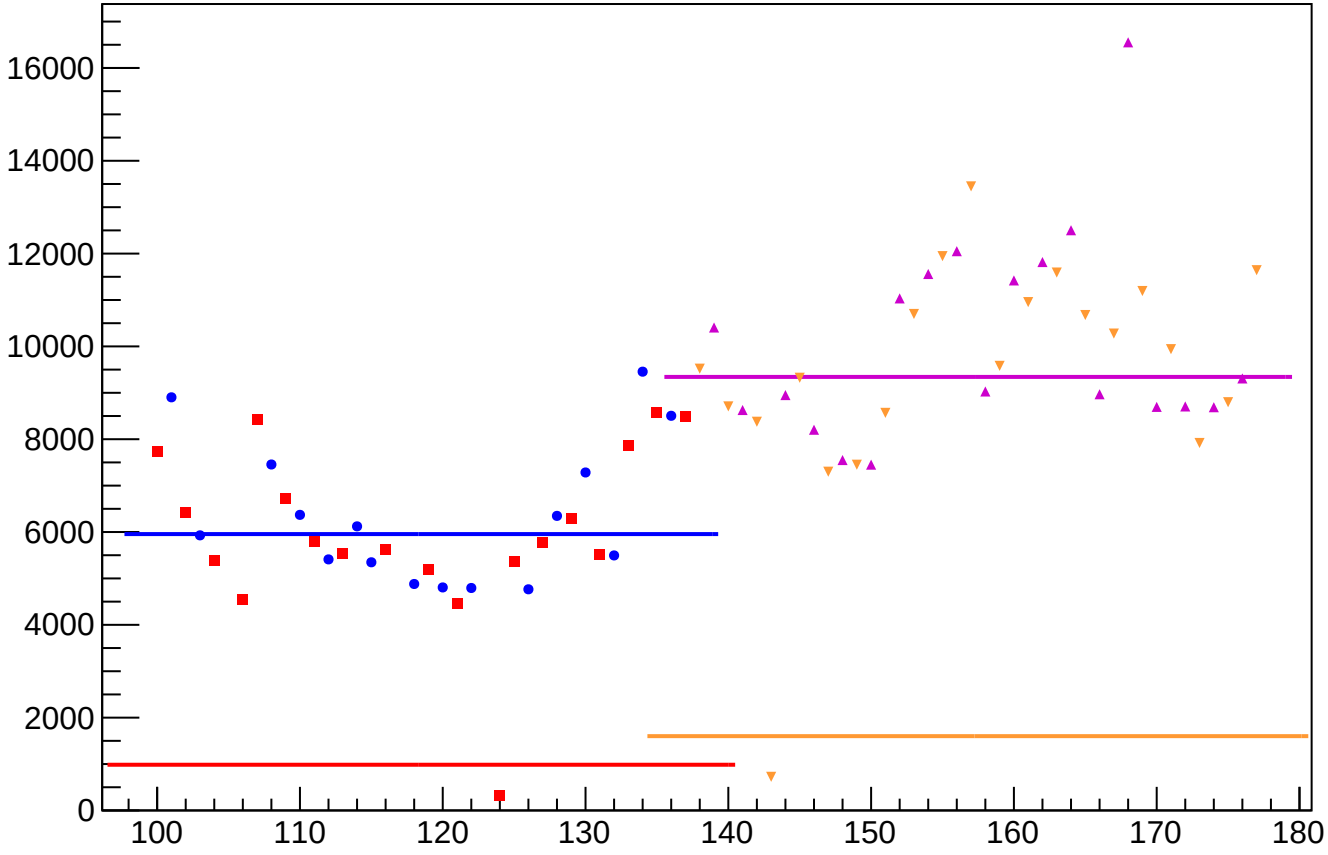
Left In: -989.585+/-2418.071 χ^2/NDF:10.8/18

+ sign -1050.306+/-725.341 χ^2/NDF: 44.8/36

All: -813.664+/-515.205 χ^2/NDF: 73.9/74

- sign -572.708+/-731.922 χ^2/NDF: 28.9/37

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1601.158+/-0.541 χ^2/NDF:24167983.3/20

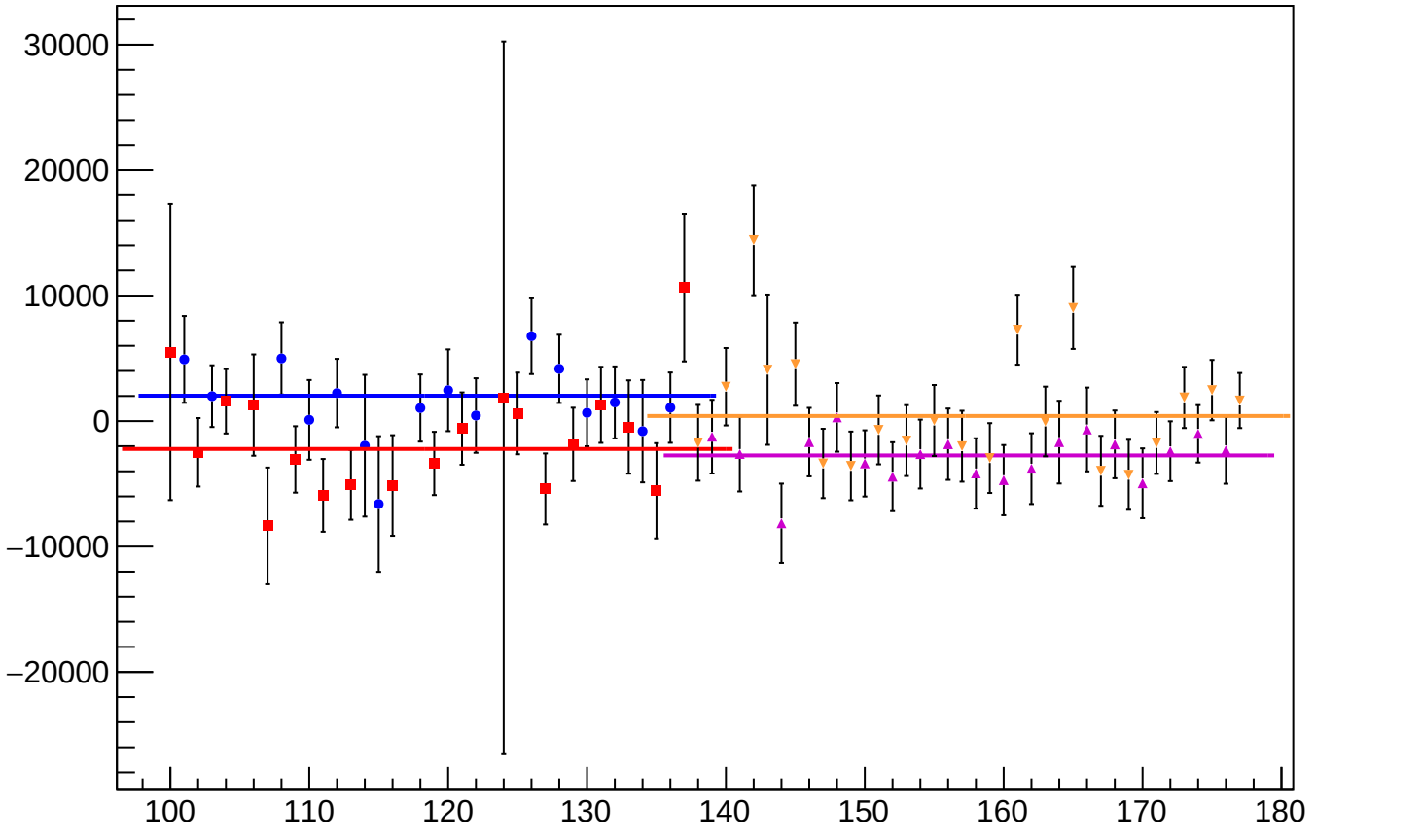
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9342.626+/-1.710 χ^2/NDF:1023648.2/18

+ sign 2043.347+/-0.513 χ^2/NDF: 31433463.1/36

All: 1898.379+/-0.364 χ^2/NDF: 65734228.3/7

- sign 1750.769+/-0.518 χ^2/NDF: 34139530.7/37



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 406.334+/-618.901 χ^2/NDF:40.5/20

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

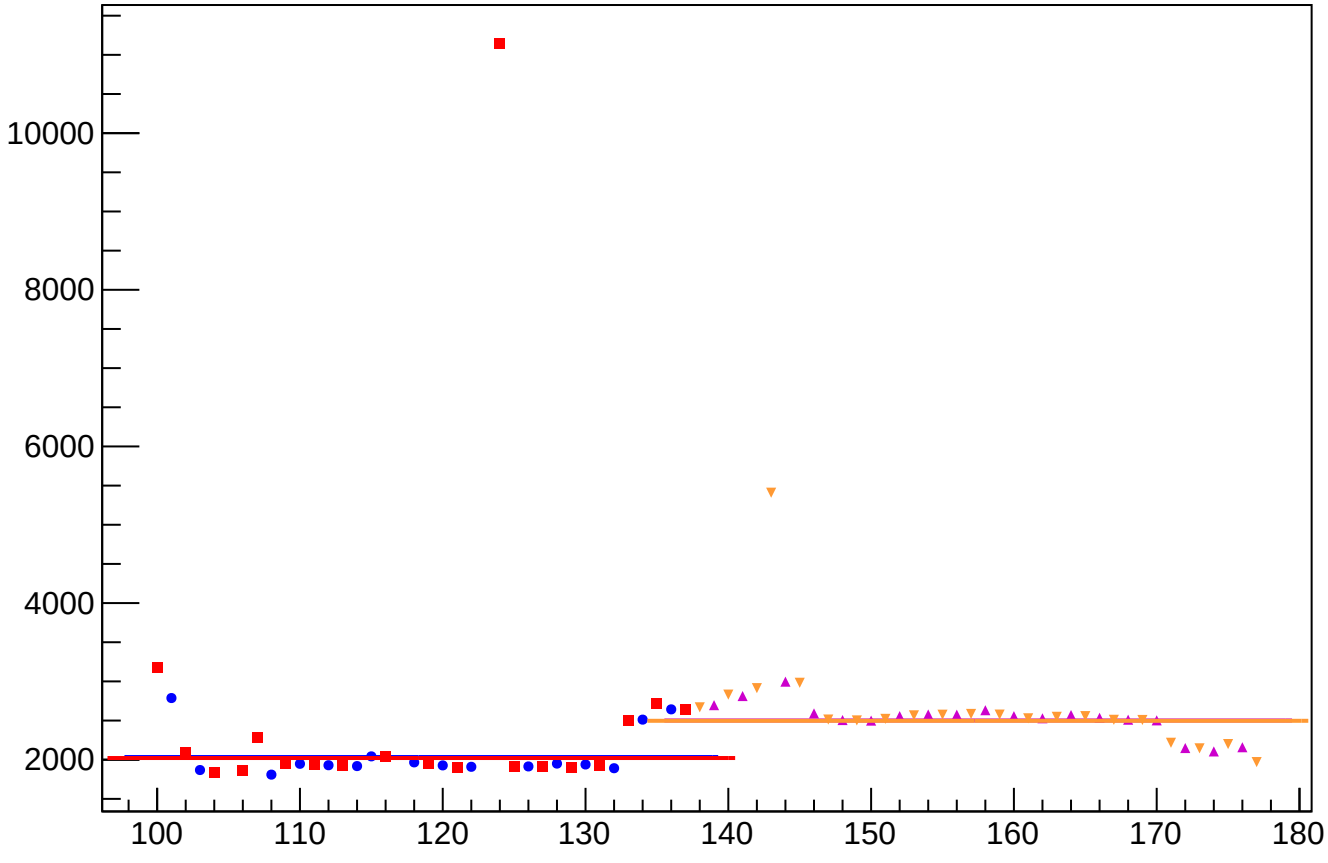
Left In: -2735.812+/-636.986 χ^2/NDF:7.9/18

+ sign 1046.454+/-480.996 χ^2/NDF: 52.9/36

All: -714.709+/-342.276 χ^2/NDF: 106.3/74

- sign -2521.332+/-487.164 χ^2/NDF: 26.3/37

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2496.899+/-0.438 χ^2/NDF:785807.2/20

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

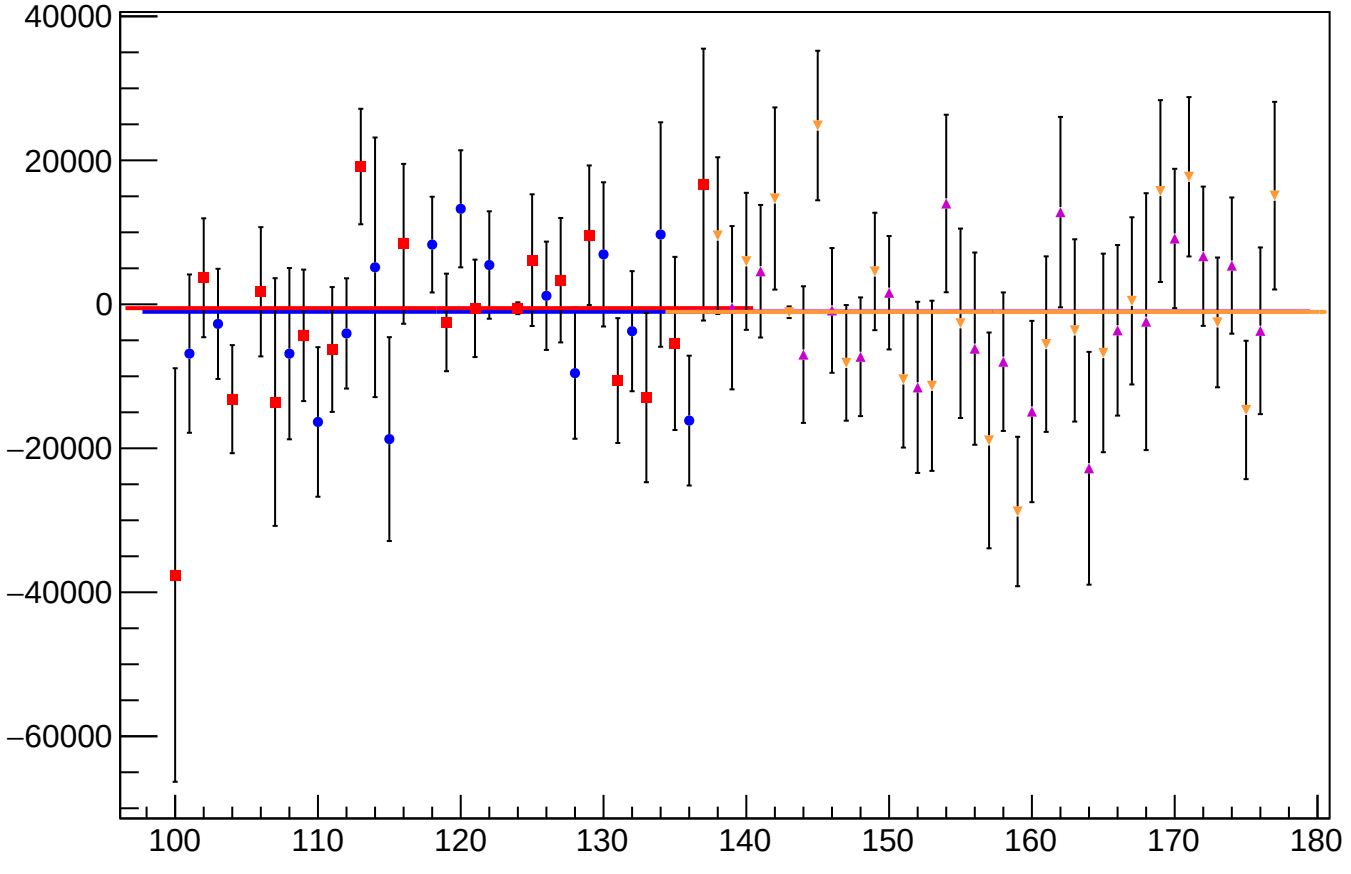
Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

+ sign 2313.656+/-0.340 χ^2/NDF: 1491512.0/36

All: 2307.913+/-0.242 χ^2/NDF: 2581010.3/74

- sign 2302.022+/-0.344 χ^2/NDF: 1088920.8/37

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1051.703+/-765.235 χ^2/NDF:29.4/20

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

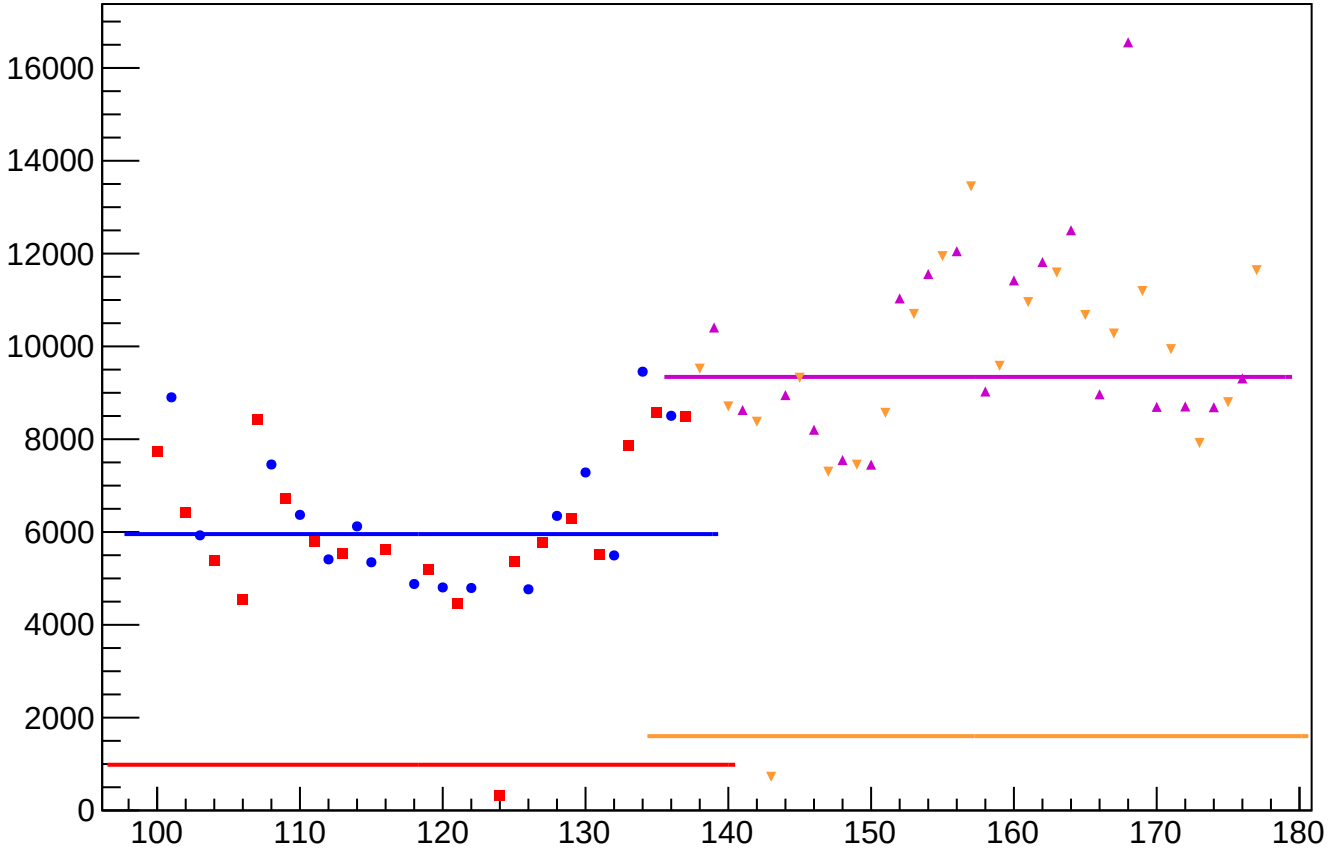
Left In: -989.585+/-2418.071 χ^2/NDF:10.8/18

+ sign -1050.306+/-725.341 χ^2/NDF: 44.8/36

All: -813.664+/-515.205 χ^2/NDF: 73.9/74

- sign -572.708+/-731.922 χ^2/NDF: 28.9/37

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1601.158+/-0.541 χ^2/NDF:24167983.3/20

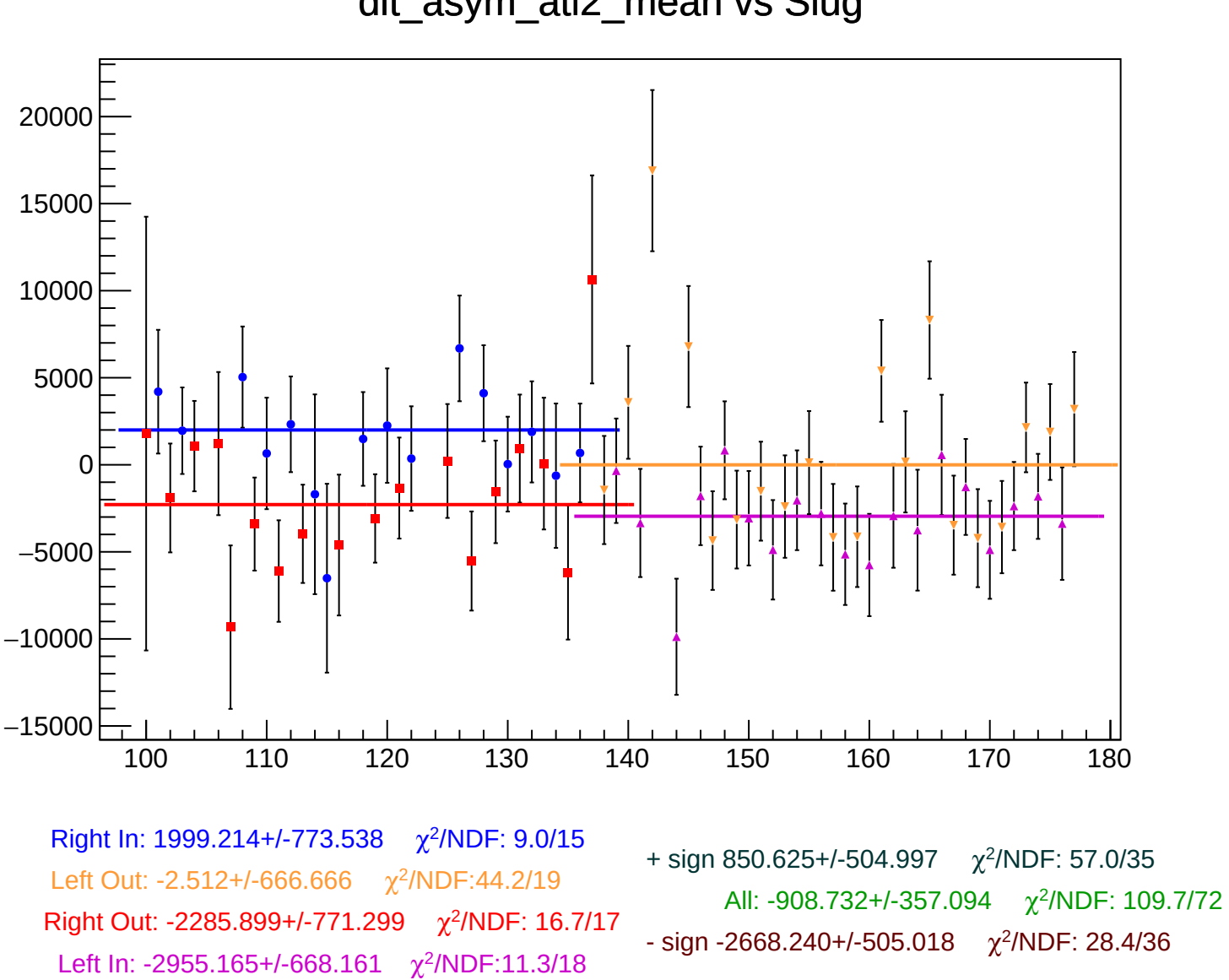
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9342.626+/-1.710 χ^2/NDF:1023648.2/18

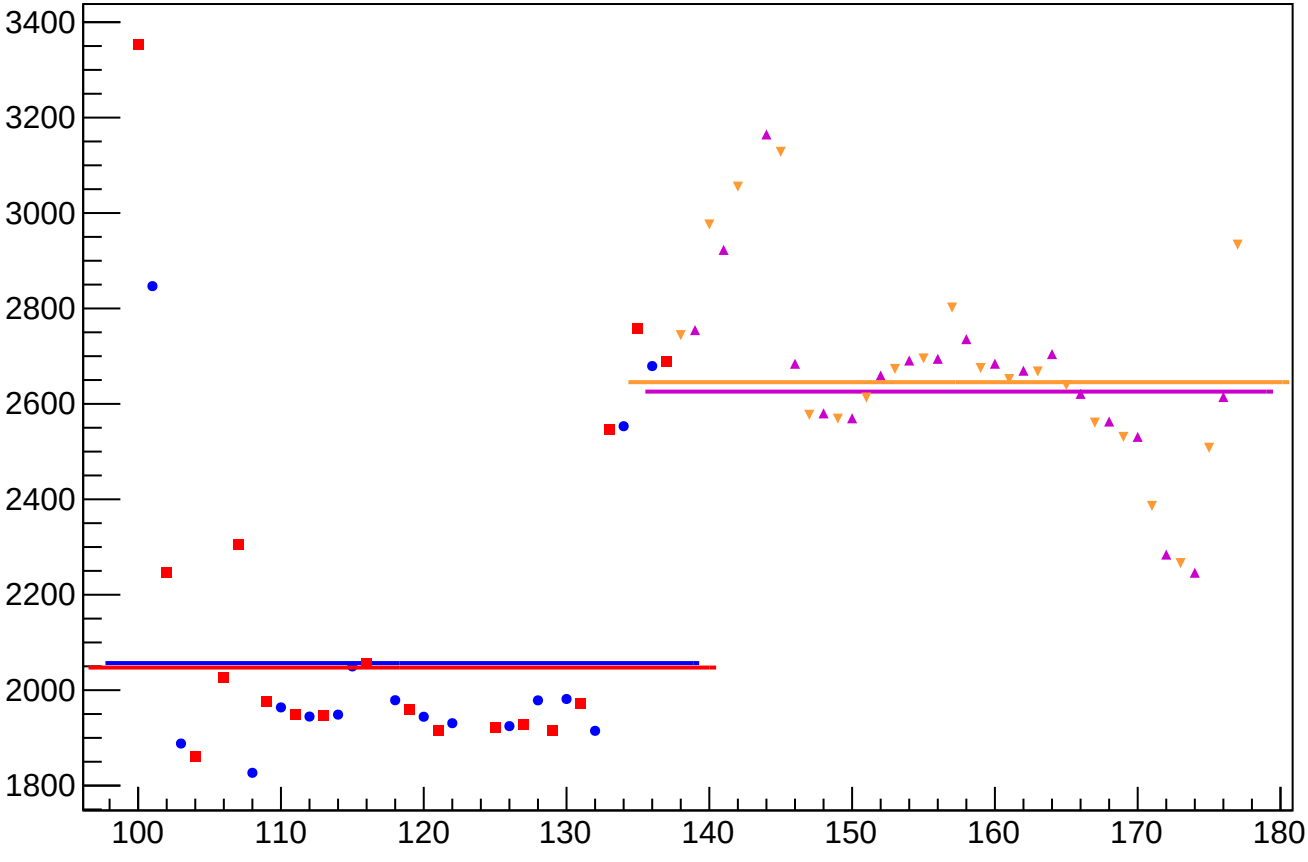
+ sign 2043.347+/-0.513 χ^2/NDF: 31433463.1/36

All: 1898.379+/-0.364 χ^2/NDF: 65734228.3/7

- sign 1750.769+/-0.518 χ^2/NDF: 34139530.7/37


dit_asym_atl2_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 1999.214+/-773.538 χ²/NDF: 9.0/15
Left Out: -2.512+/-666.666 χ²/NDF:44.2/19
Right Out: -2285.899+/-771.299 χ²/NDF: 16.7/17
Left In: -2955.165+/-668.161 χ²/NDF:11.3/18
+ sign 850.625+/-504.997 χ²/NDF: 57.0/35
All: -908.732+/-357.094 χ²/NDF: 109.7/72
- sign -2668.240+/-505.018 χ²/NDF: 28.4/36

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2645.530+/-0.471 χ^2/NDF:174263.2/19

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

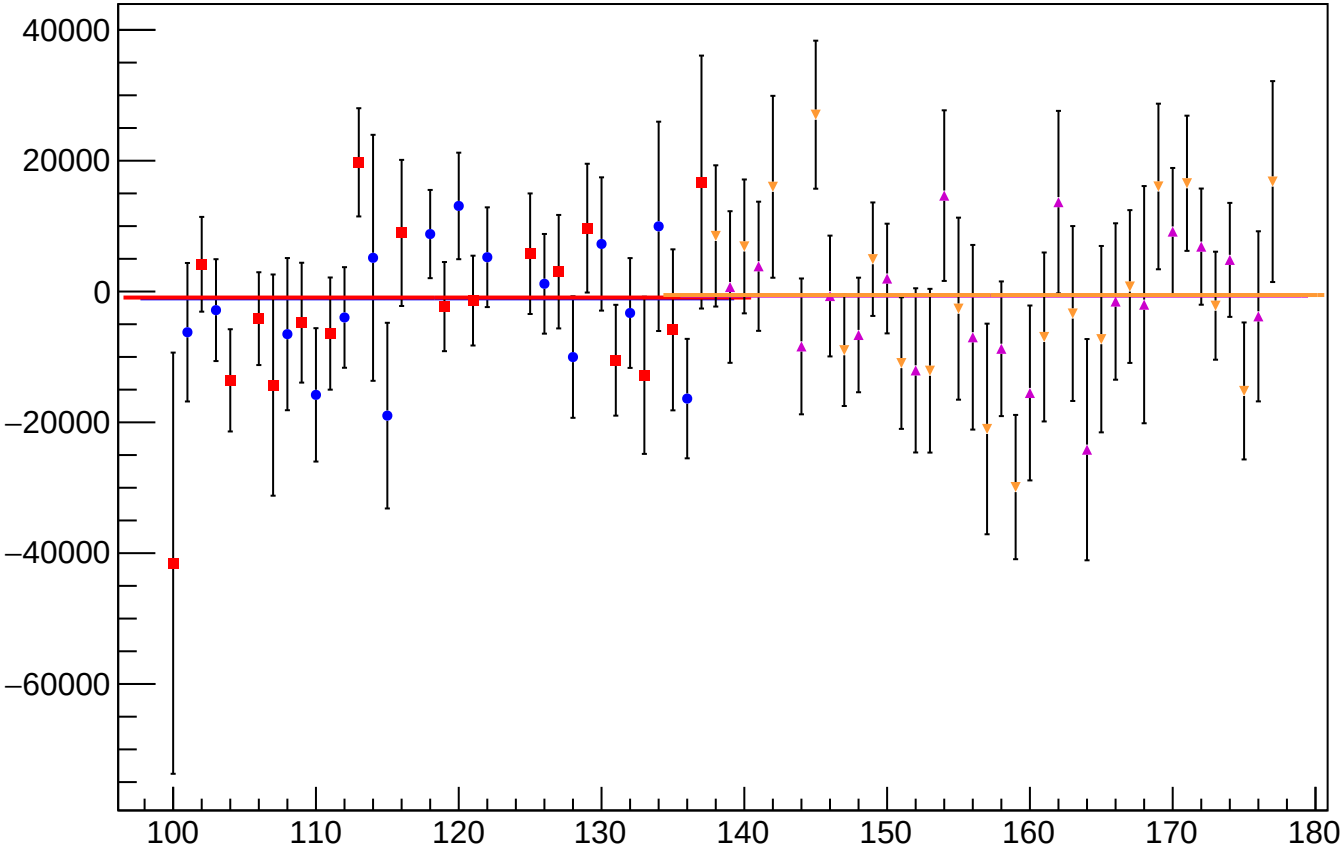
Left In: 2625.737+/-0.472 χ^2/NDF:171909.0/18

+ sign 2394.611+/-0.357 χ^2/NDF: 1109479.1/35

All: 2385.984+/-0.252 χ^2/NDF: 2122577.6/72

- sign 2377.367+/-0.357 χ^2/NDF: 1011931.8/36

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -536.493+/-2506.915 χ^2/NDF:28.9/19

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

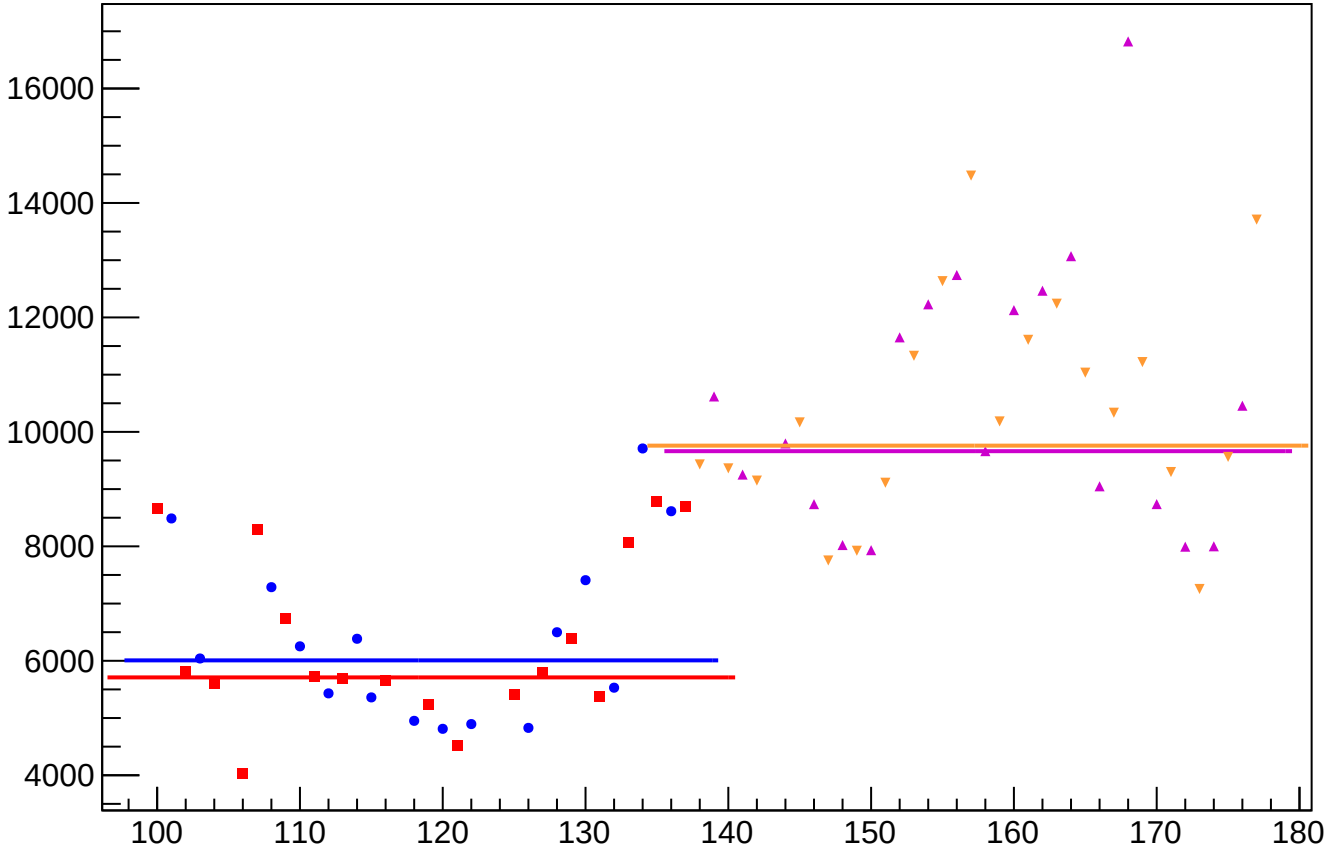
Left In: -627.475+/-2505.945 χ^2/NDF:10.8/18

+ sign -811.835+/-1692.621 χ^2/NDF: 44.2/35

All: -803.483+/-1174.895 χ^2/NDF: 73.4/72

- sign -795.717+/-1632.134 χ^2/NDF: 29.2/36

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9759.662+/-1.773 χ^2/NDF:989739.9/19

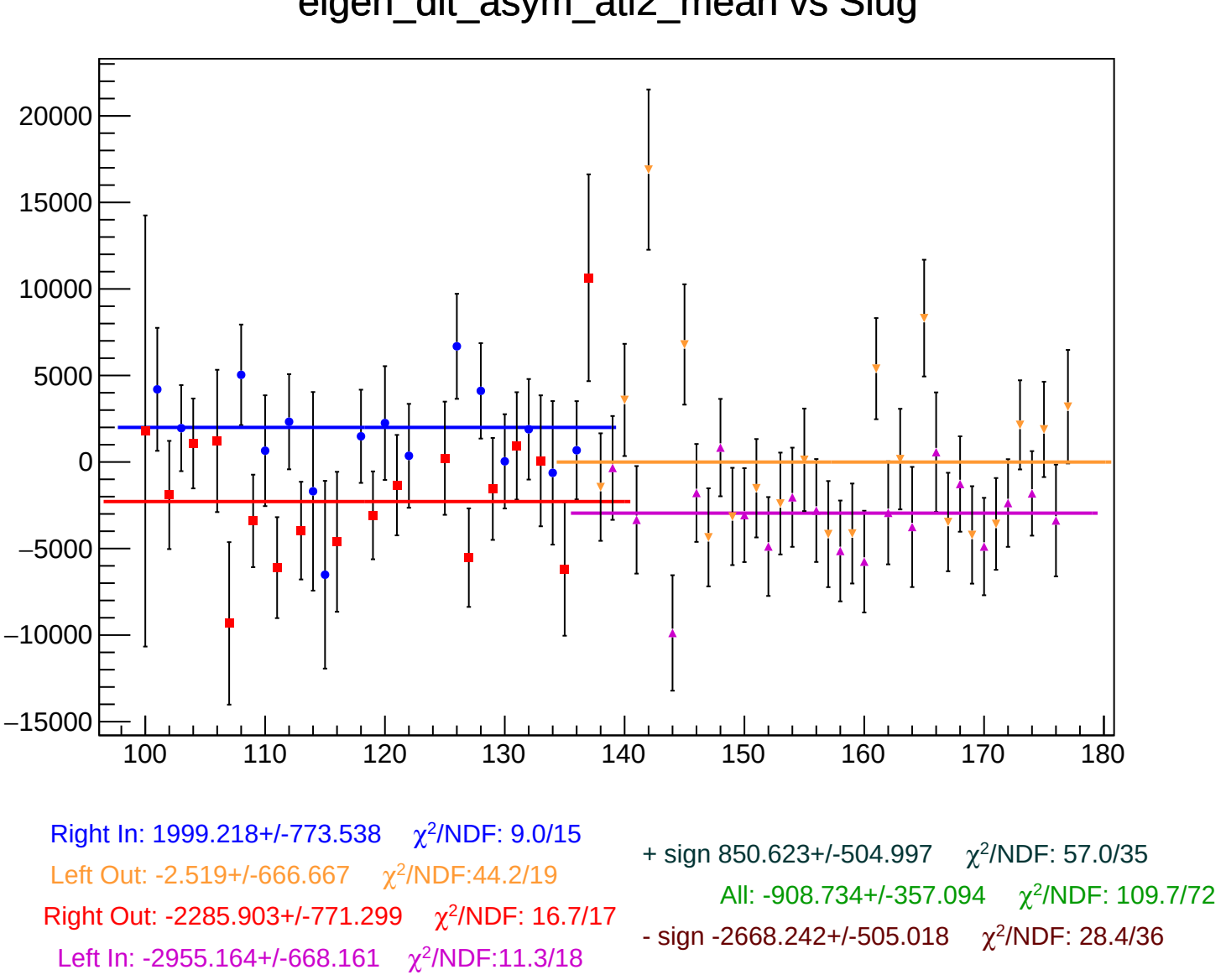
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9662.931+/-1.772 χ^2/NDF:1131396.2/18

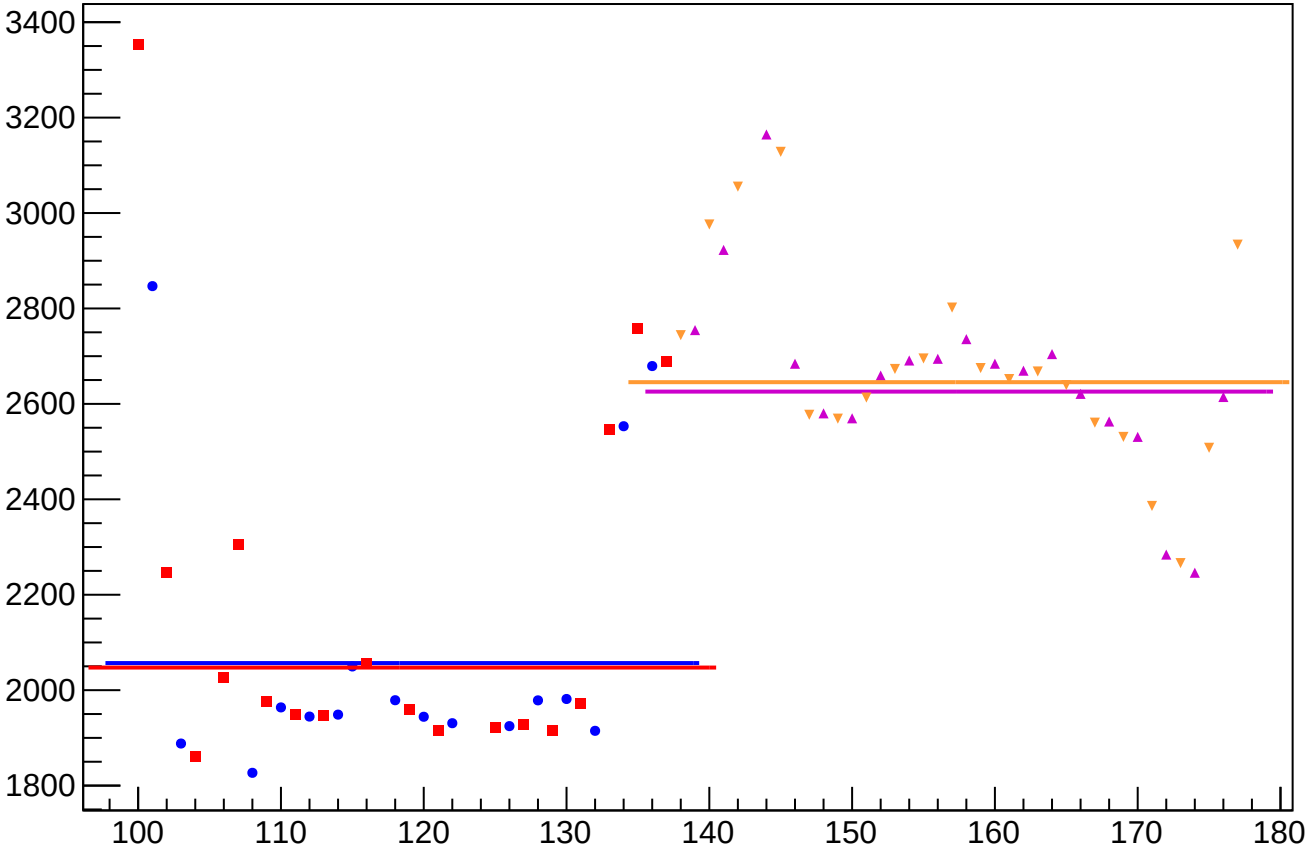
+ sign 7717.955+/-1.197 χ^2/NDF: 4081740.5/35

All: 7546.338+/-0.831 χ^2/NDF: 8654369.4/72

- sign 7386.769+/-1.154 χ^2/NDF: 4532951.6/36


eigen_dit_asym_atl2_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: -2.519+/-666.667 χ²/NDF:44.2/19
Right Out: -2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: -2955.164+/-668.161 χ²/NDF:11.3/18
+ sign 850.623+/-504.997 χ²/NDF: 57.0/35
All: -908.734+/-357.094 χ²/NDF: 109.7/72
- sign -2668.242+/-505.018 χ²/NDF: 28.4/36

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2645.531+/-0.471 χ^2/NDF:174271.8/19

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

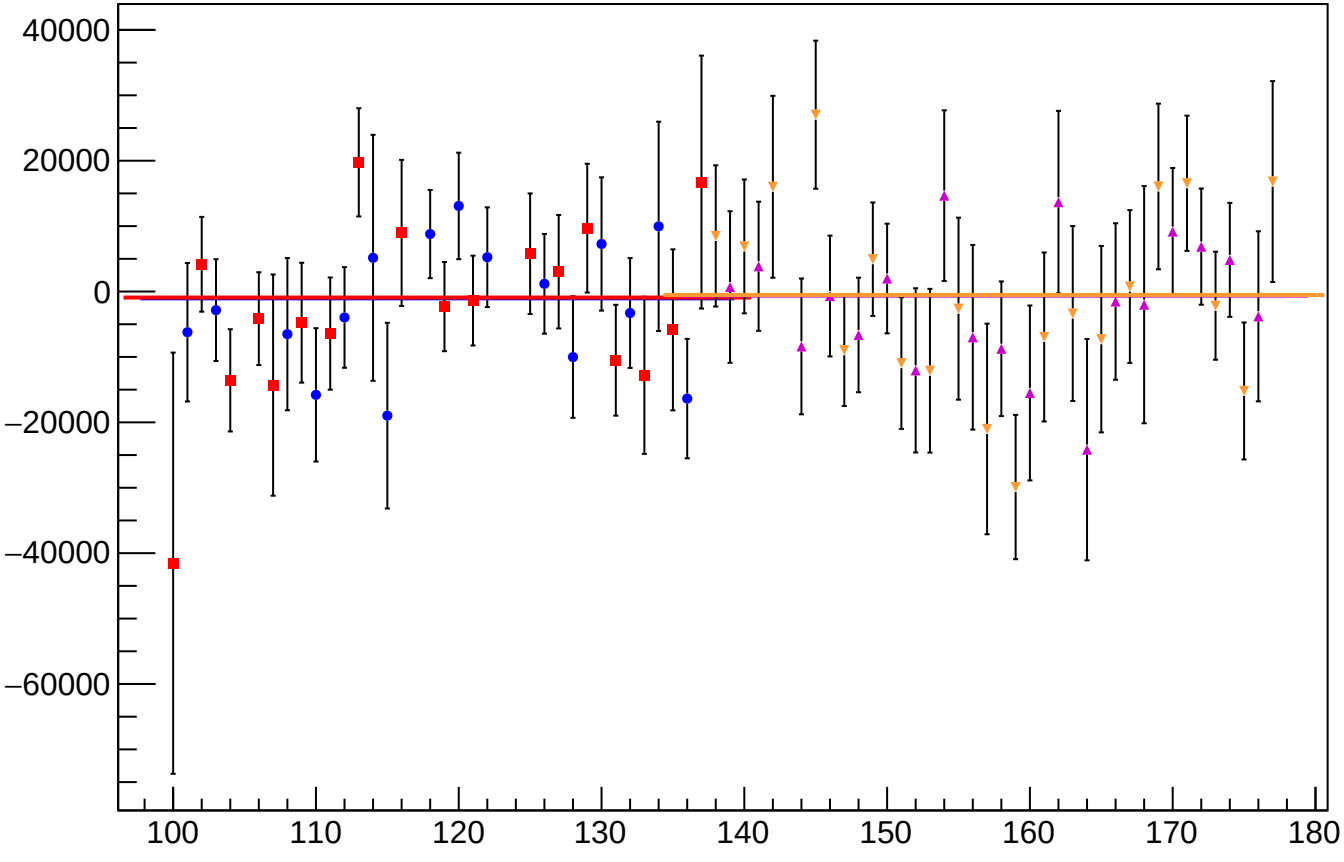
Left In: 2625.738+/-0.472 χ^2/NDF:171915.5/18

+ sign 2394.611+/-0.357 χ^2/NDF: 1109489.9/35

All: 2385.984+/-0.252 χ^2/NDF: 2122597.6/72

- sign 2377.368+/-0.357 χ^2/NDF: 1011941.0/36

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -536.501+/-2506.919 χ^2/NDF:28.9/19

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

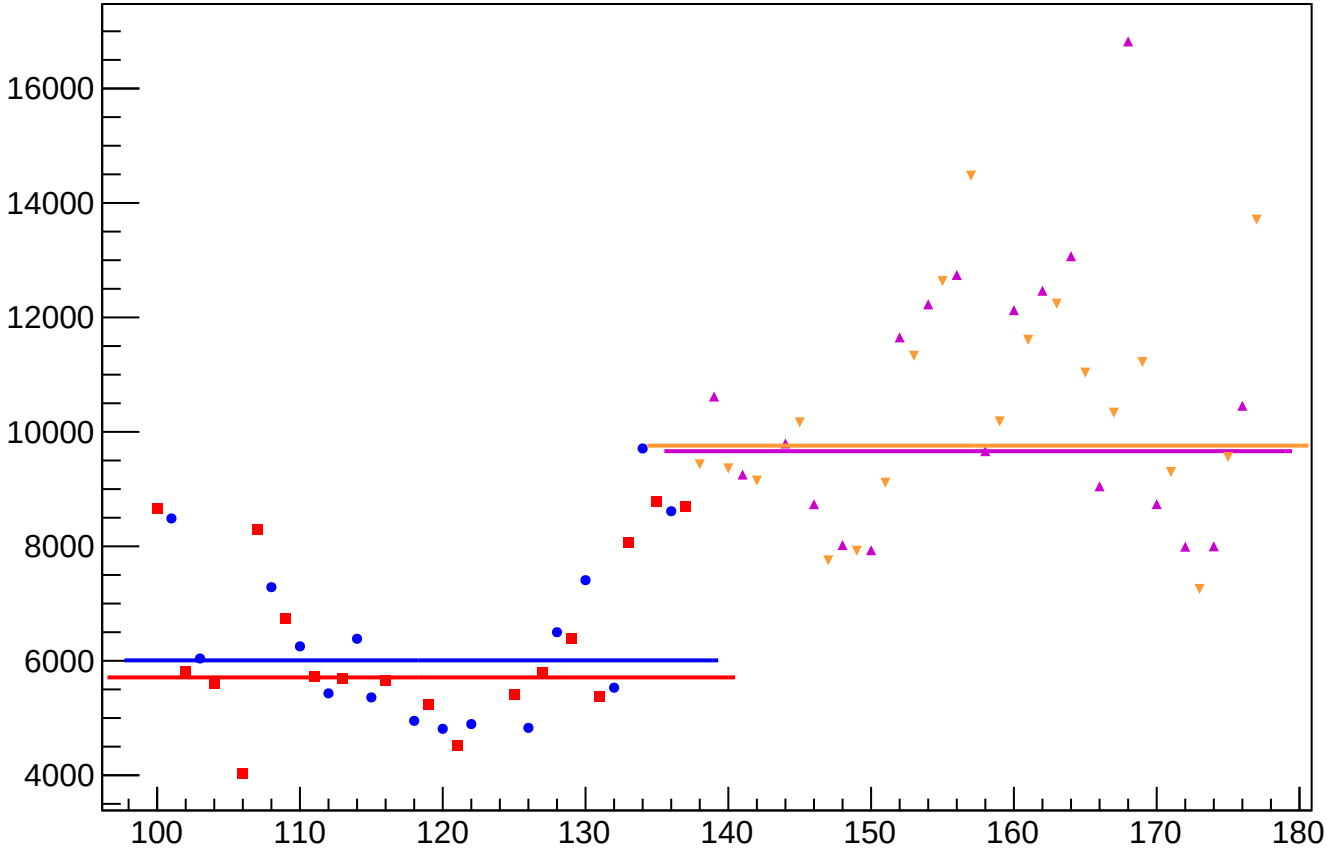
Left In: -627.477+/-2505.949 χ^2/NDF:10.8/18

+ sign -811.833+/-1692.620 χ^2/NDF: 44.2/35

All: -803.484+/-1174.894 χ^2/NDF: 73.4/72

- sign -795.721+/-1632.132 χ^2/NDF: 29.2/36

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9759.679+/-1.773 χ^2/NDF:989739.7/19

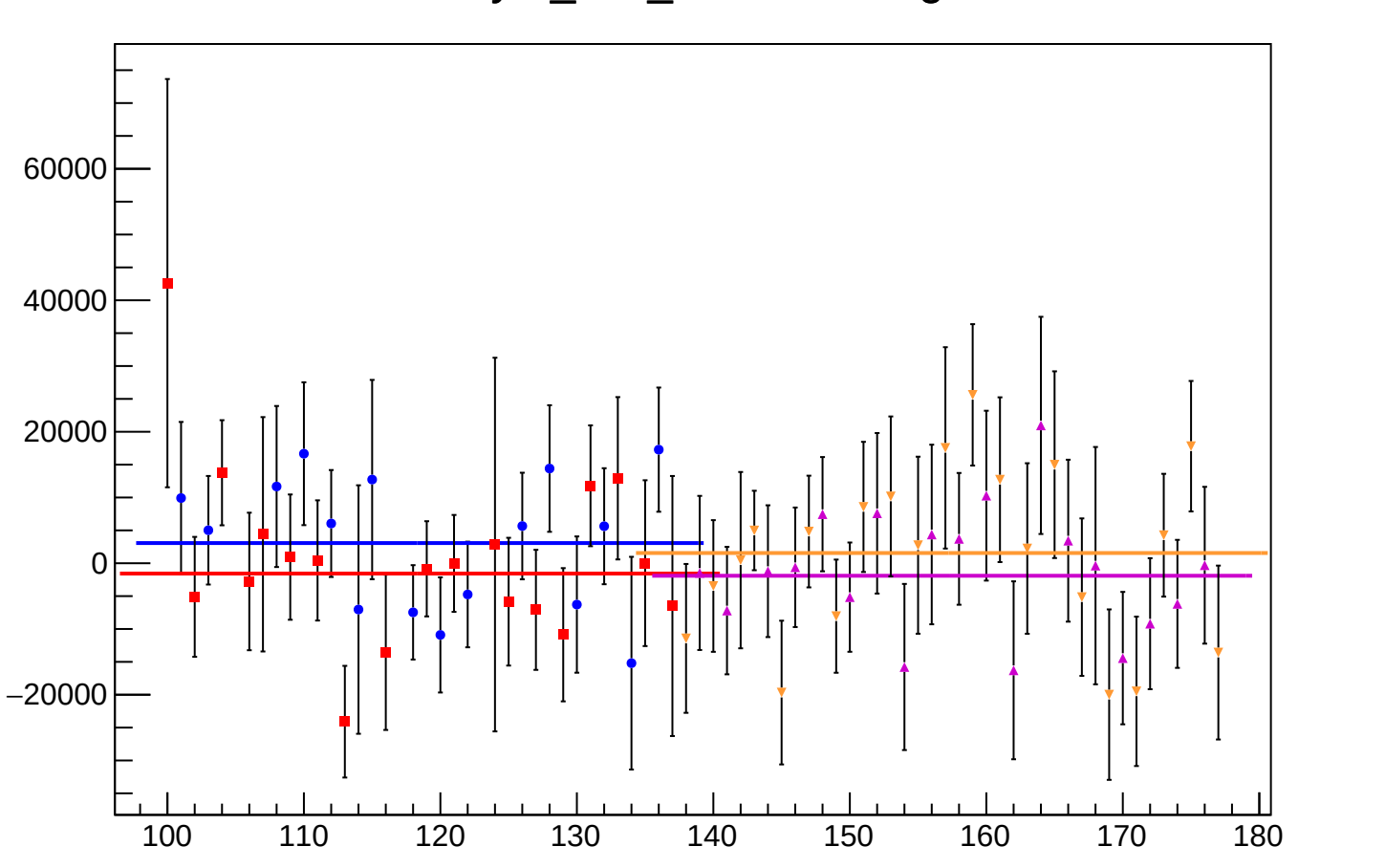
Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9662.946+/-1.772 χ^2/NDF:1131396.6/18

+ sign 7717.943+/-1.197 χ^2/NDF: 4081798.8/35

All: 7546.327+/-0.831 χ^2/NDF: 8654480.9/72

- sign 7386.757+/-1.154 χ^2/NDF: 4533004.7/36



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1556.625+/-2311.850 χ^2/NDF:26.4/20

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

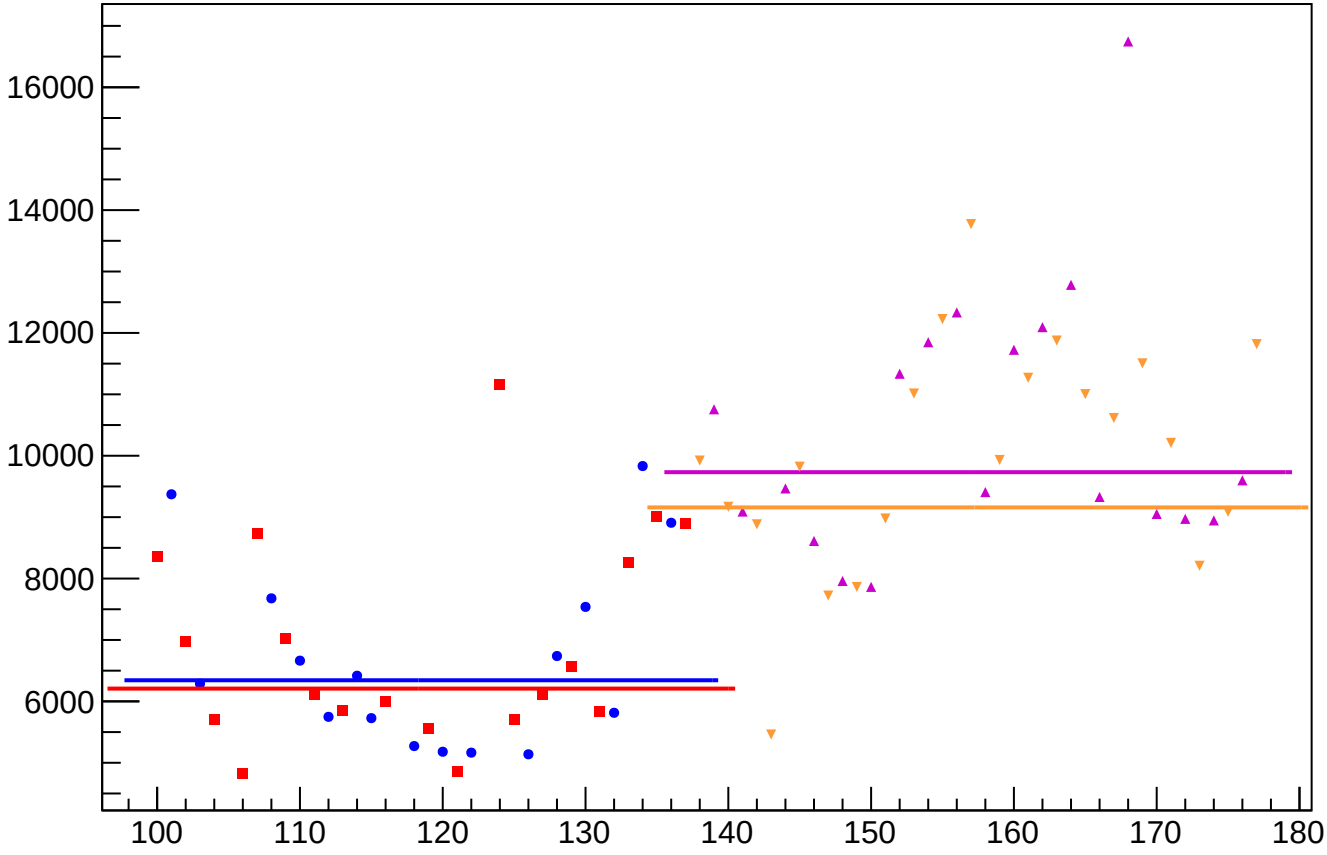
Left In: -1903.857+/-2513.582 χ^2/NDF:10.4/18

+ sign 2278.656+/-1671.889 χ^2/NDF: 41.5/36

All: 324.125+/-1195.824 χ^2/NDF: 73.9/74

- sign -1723.148+/-1711.095 χ^2/NDF: 29.6/37

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9158.557+/-1.635 χ^2/NDF:1603515.9/20

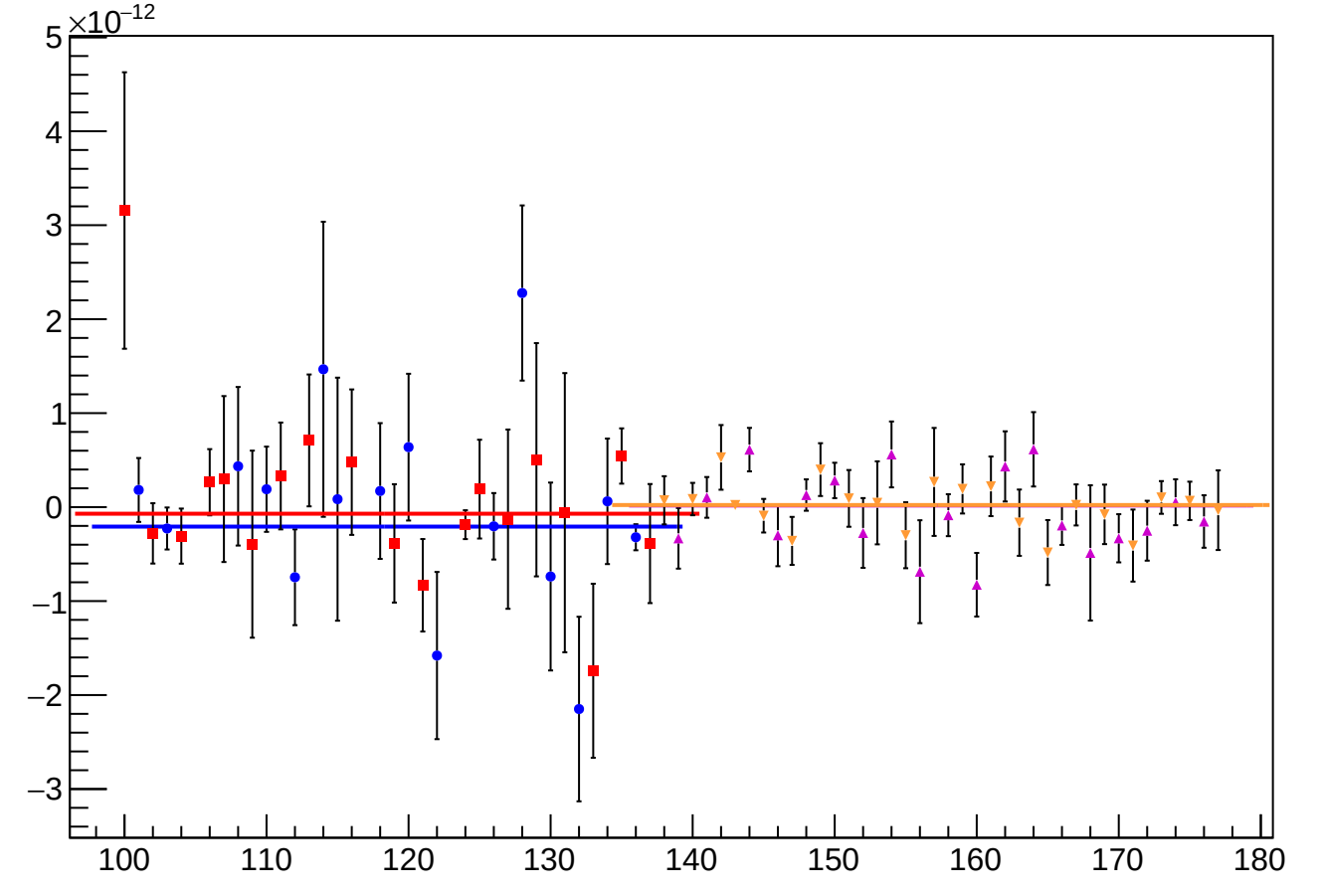
Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9732.350+/-1.777 χ^2/NDF:920109.1/18

+ sign 7815.892+/-1.182 χ^2/NDF: 3638984.5/36

All: 7828.279+/-0.846 χ^2/NDF: 7140876.4/74

- sign 7841.254+/-1.210 χ^2/NDF: 3501667.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/20

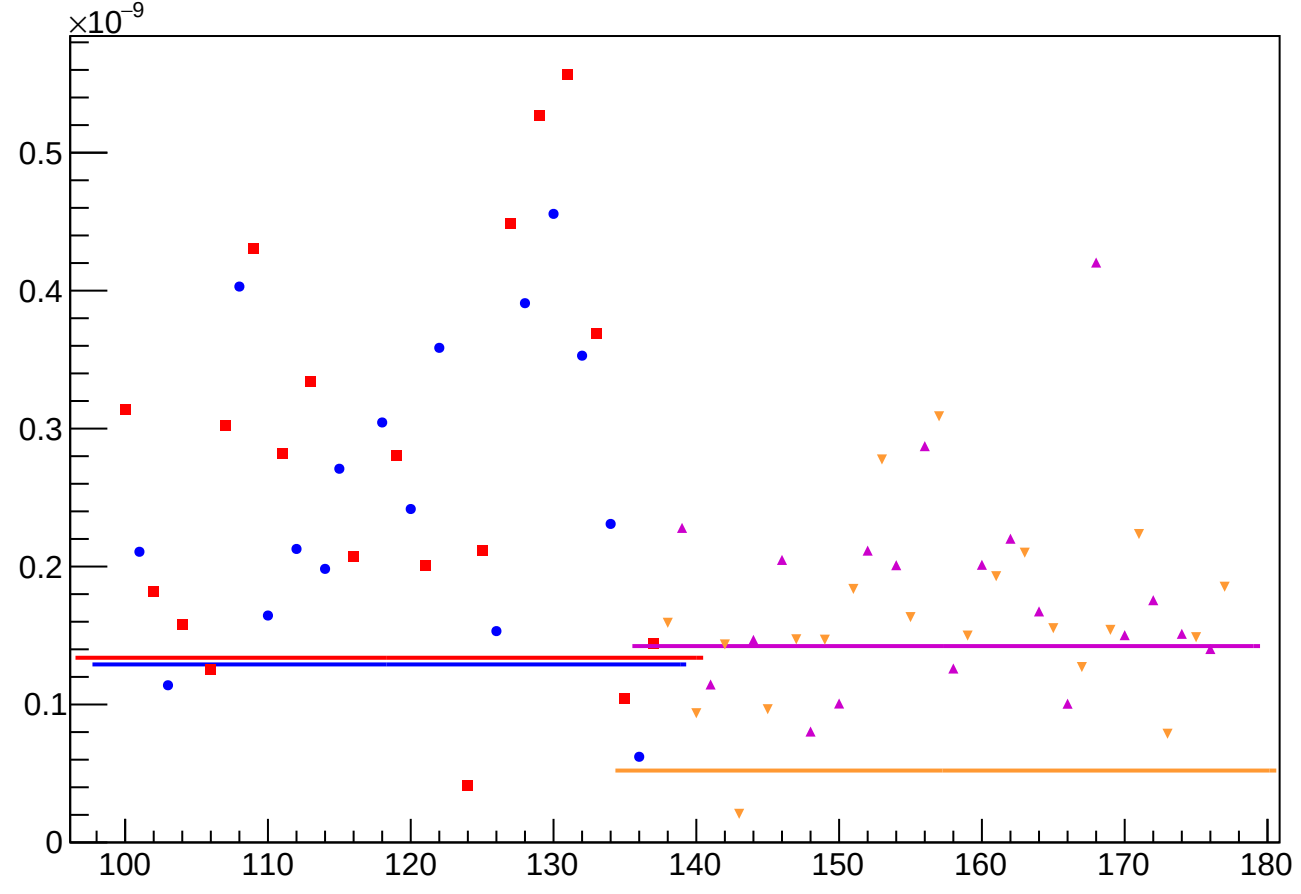
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:30.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/36

All: -0.000+/-0.000 χ^2/NDF: 90.9/74

- sign -0.000+/-0.000 χ^2/NDF: 51.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7082695.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

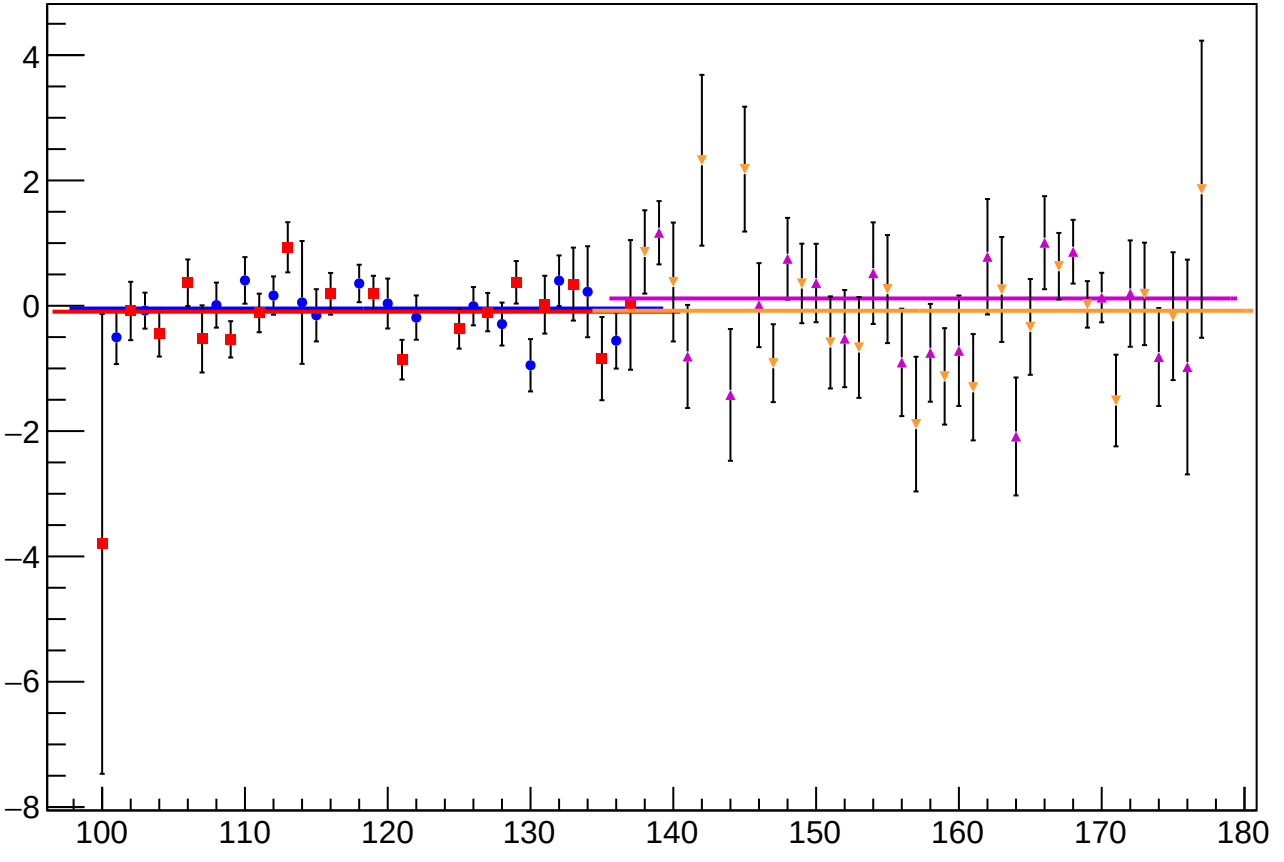
Left In: 0.000+/-0.000 χ^2/NDF:1457624.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 9985643.8/36

All: 0.000+/-0.000 χ^2/NDF: 17444979.5/74

- sign 0.000+/-0.000 χ^2/NDF: 3773151.8/37

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

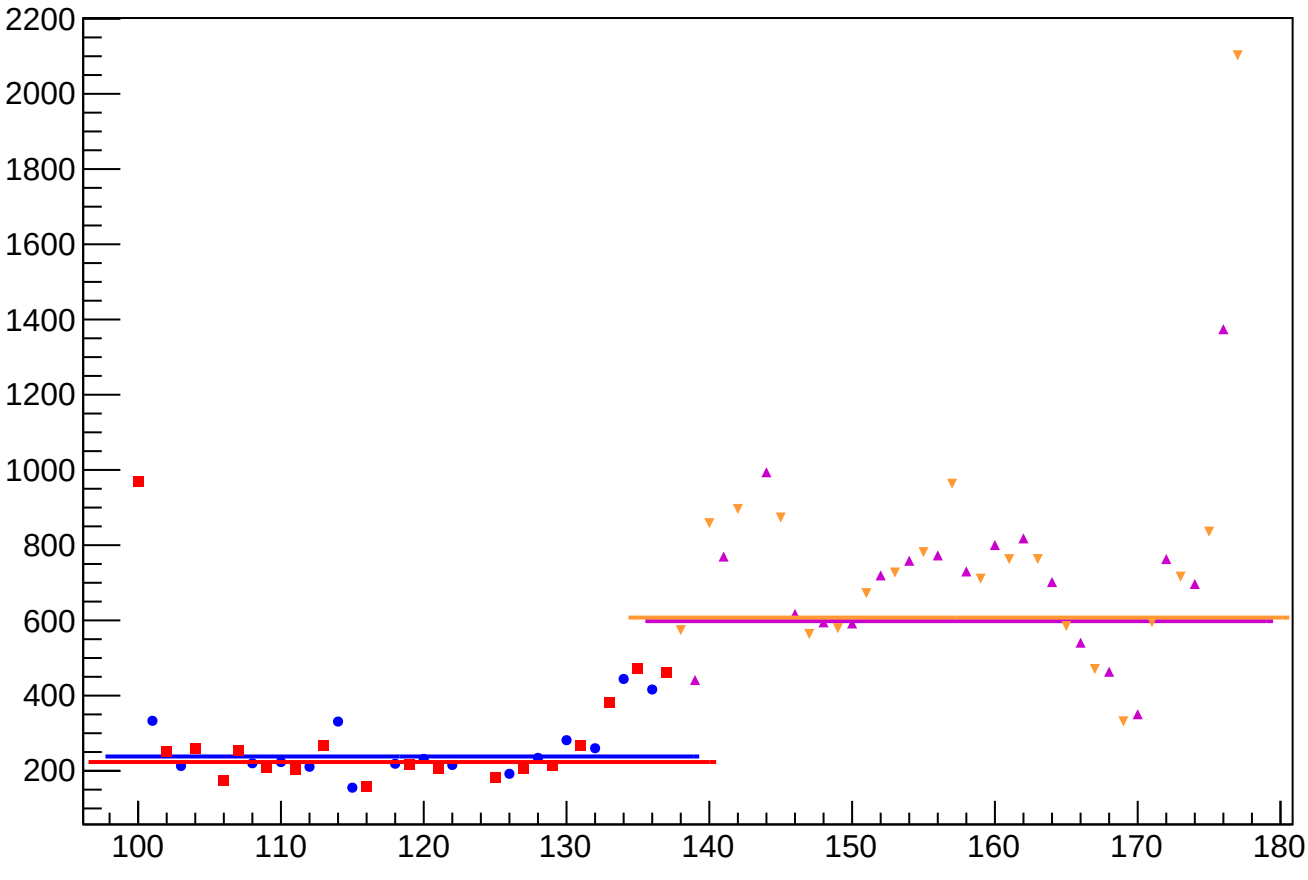
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.117+/-0.161 χ^2/NDF:24.8/18

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/35

All: -0.048+/-0.057 χ^2/NDF: 91.9/72

- sign -0.044+/-0.079 χ^2/NDF: 51.3/36



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 607.460+/-0.116 χ^2/NDF:3096338.5/19

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

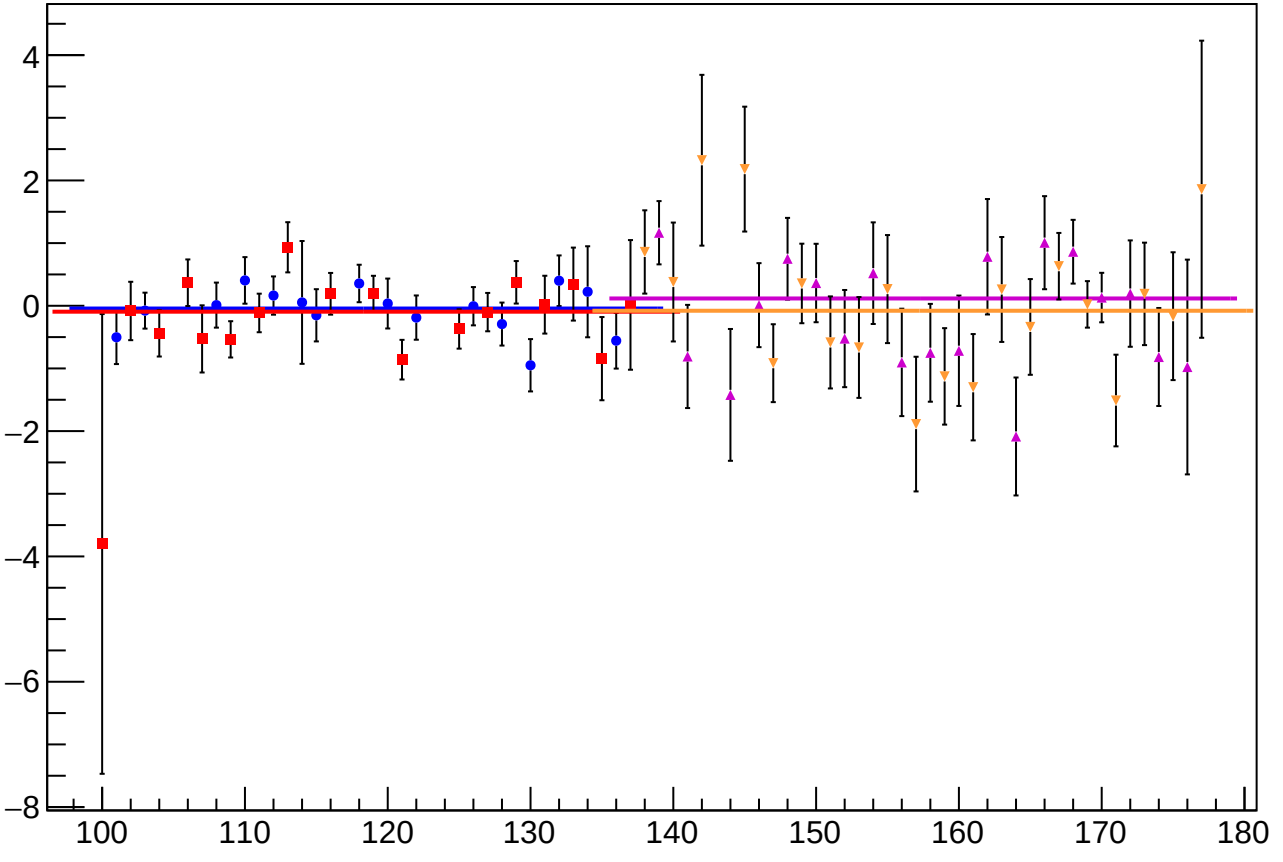
Left In: 598.048+/-0.114 χ^2/NDF:2532253.3/18

+ sign 329.107+/-0.058 χ^2/NDF: 11537872.1/35

All: 320.662+/-0.040 χ^2/NDF: 23239344.6/72

- sign 312.802+/-0.056 χ^2/NDF: 11659946.1/36

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

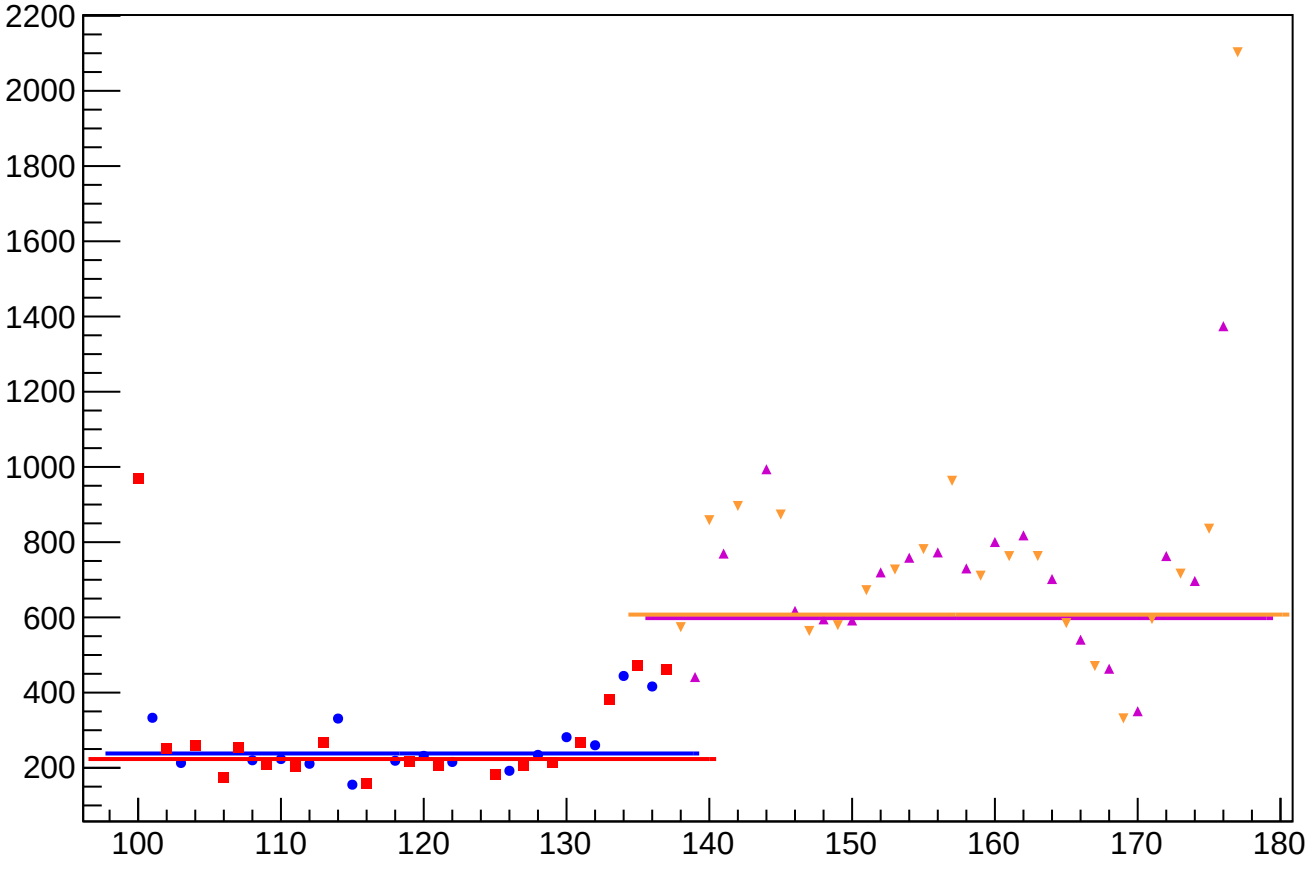
Left In: 0.117+/-0.161 χ^2/NDF:24.8/18

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/35

All: -0.048+/-0.057 χ^2/NDF: 91.9/72

- sign -0.044+/-0.079 χ^2/NDF: 51.3/36

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 607.460+/-0.116 χ^2/NDF:3096338.5/19

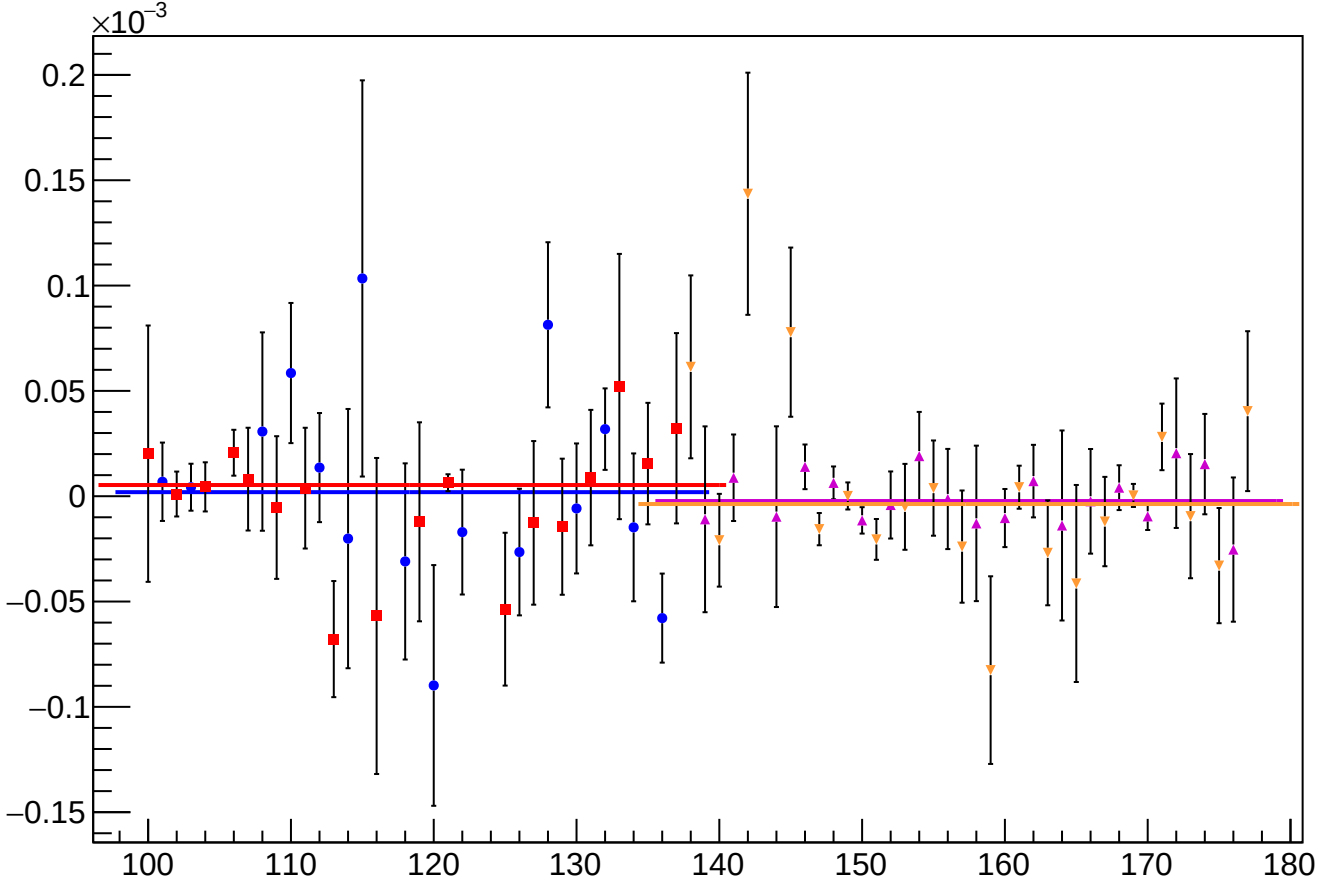
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 598.048+/-0.114 χ^2/NDF:2532253.3/18

+ sign 329.107+/-0.058 χ^2/NDF: 11537872.1/35

All: 320.662+/-0.040 χ^2/NDF: 23239344.6/72

- sign 312.802+/-0.056 χ^2/NDF: 11659946.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.6/19

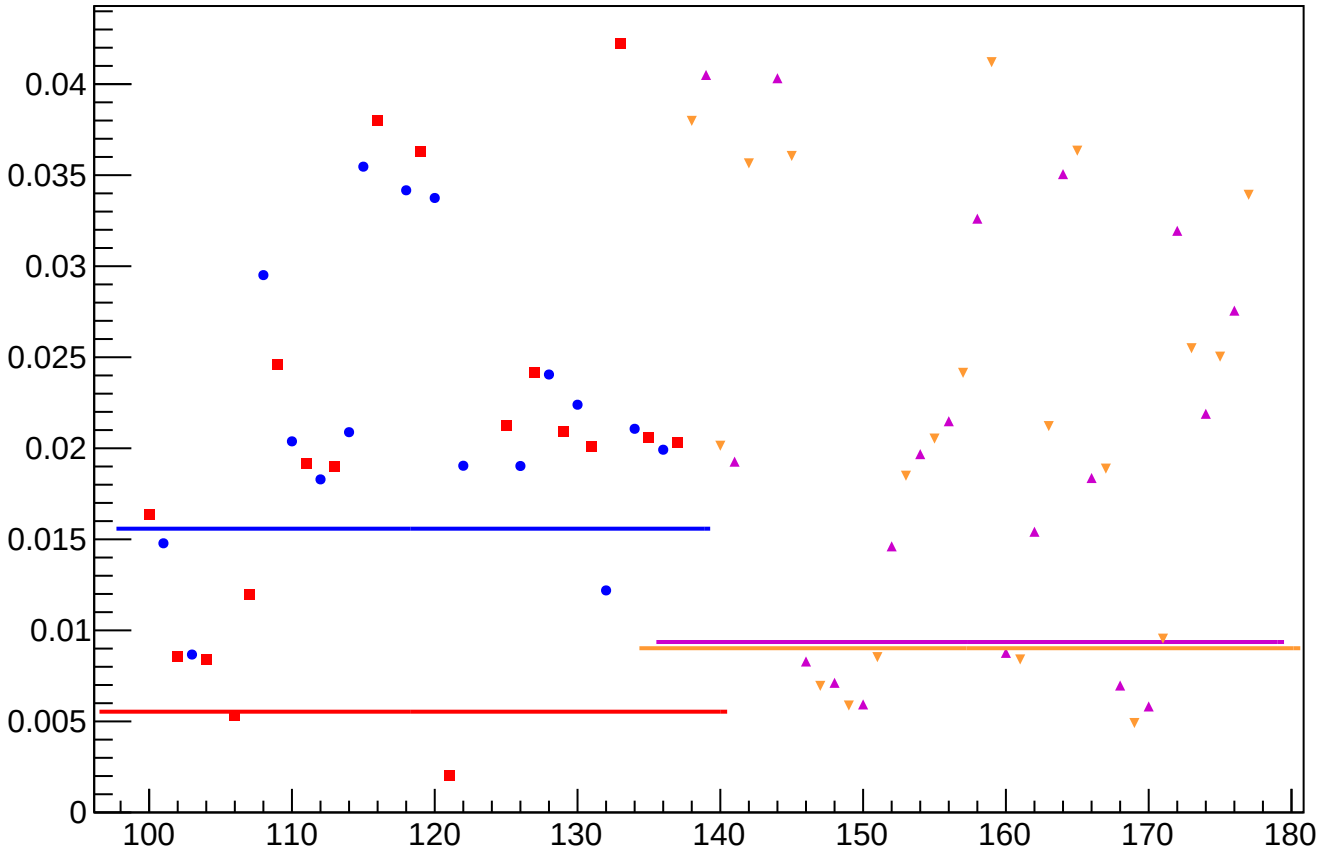
Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:10.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 57.3/35

All: -0.000+/-0.000 χ^2/NDF: 87.1/72

- sign 0.000+/-0.000 χ^2/NDF: 28.5/36



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:10909404.0/19

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

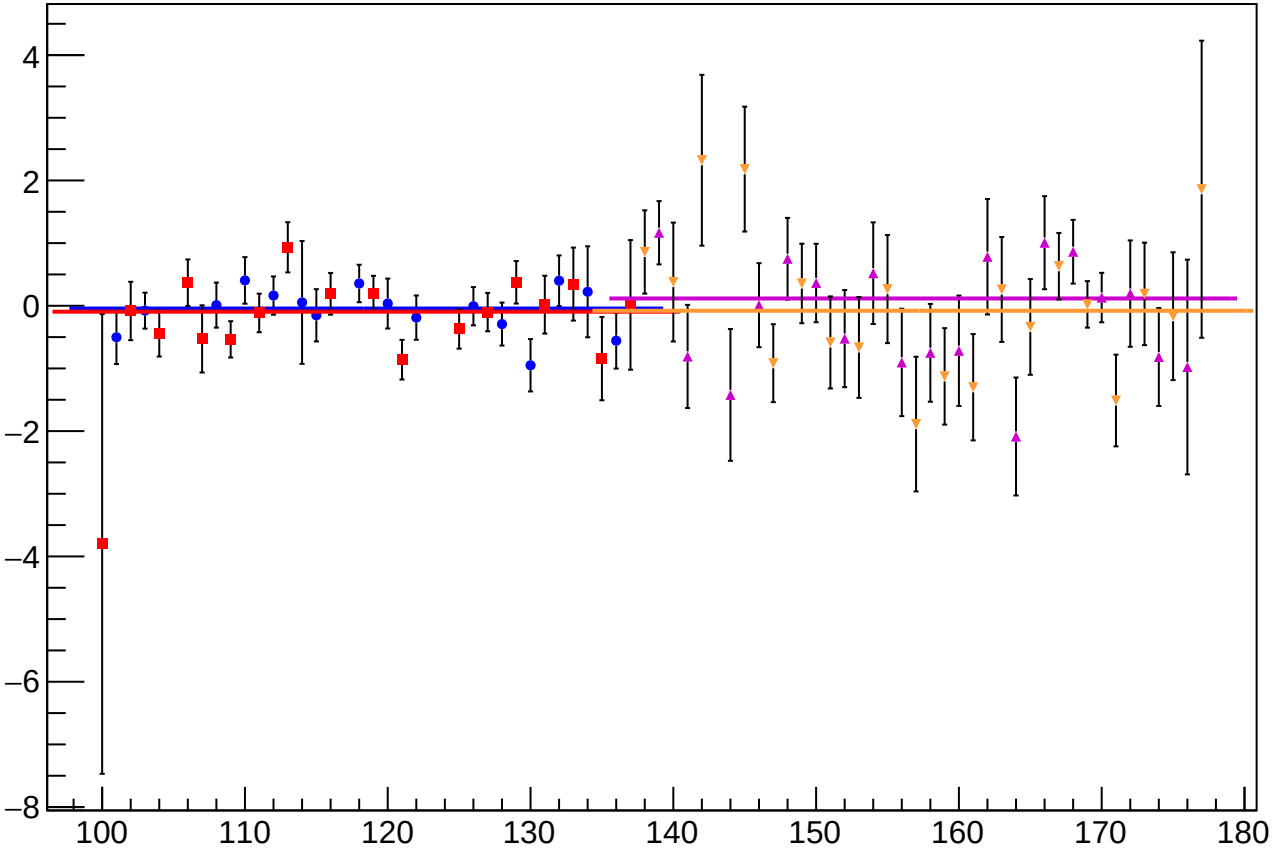
Left In: 0.009+/-0.000 χ^2/NDF:9092025.3/18

+ sign 0.010+/-0.000 χ^2/NDF: 14733791.4/35

All: 0.009+/-0.000 χ^2/NDF: 34436292.6/72

- sign 0.008+/-0.000 χ^2/NDF: 18561446.2/36

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

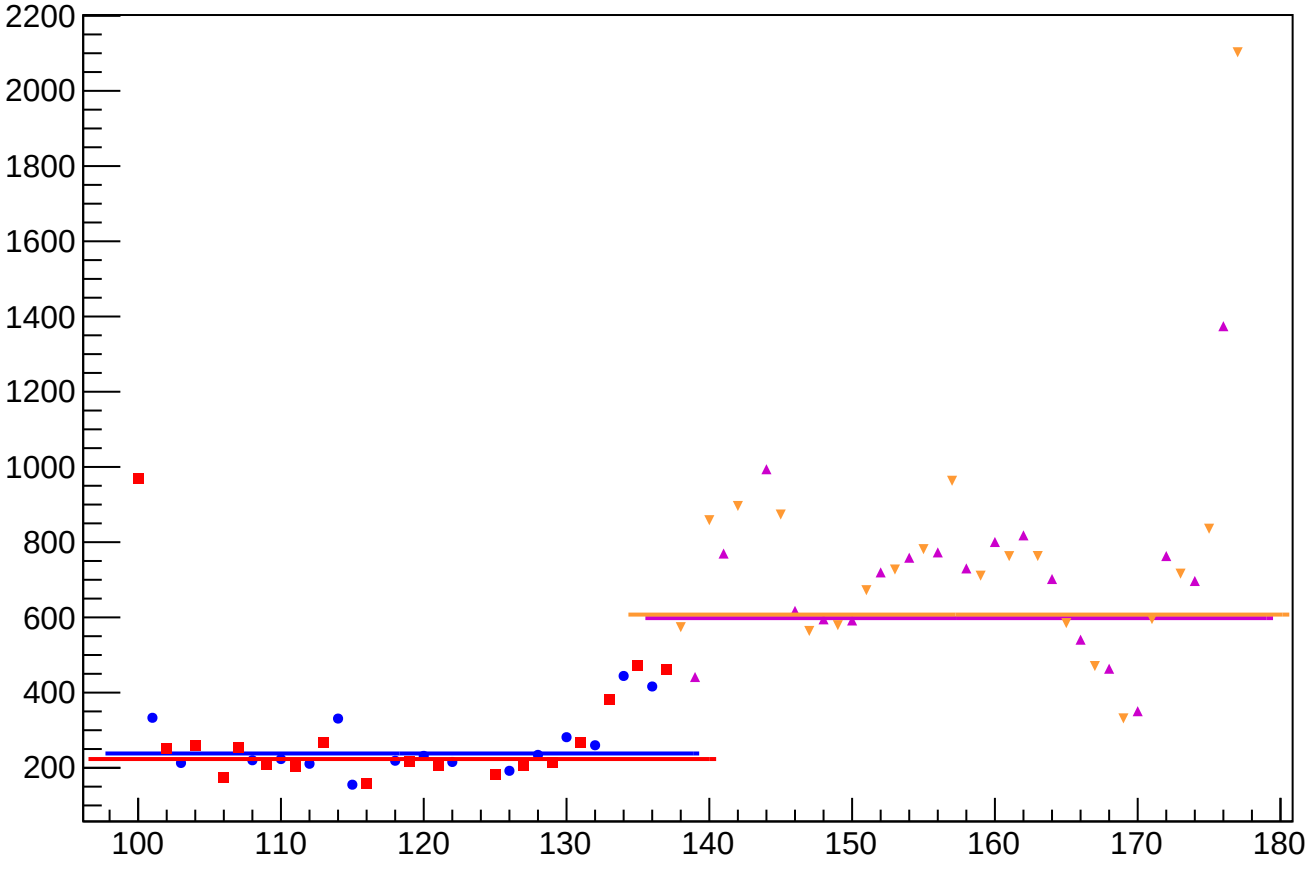
Left In: 0.117+/-0.161 χ^2/NDF:24.8/18

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/35

All: -0.048+/-0.057 χ^2/NDF: 91.9/72

- sign -0.044+/-0.079 χ^2/NDF: 51.3/36

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 607.463+/-0.116 χ^2/NDF:3096392.7/19

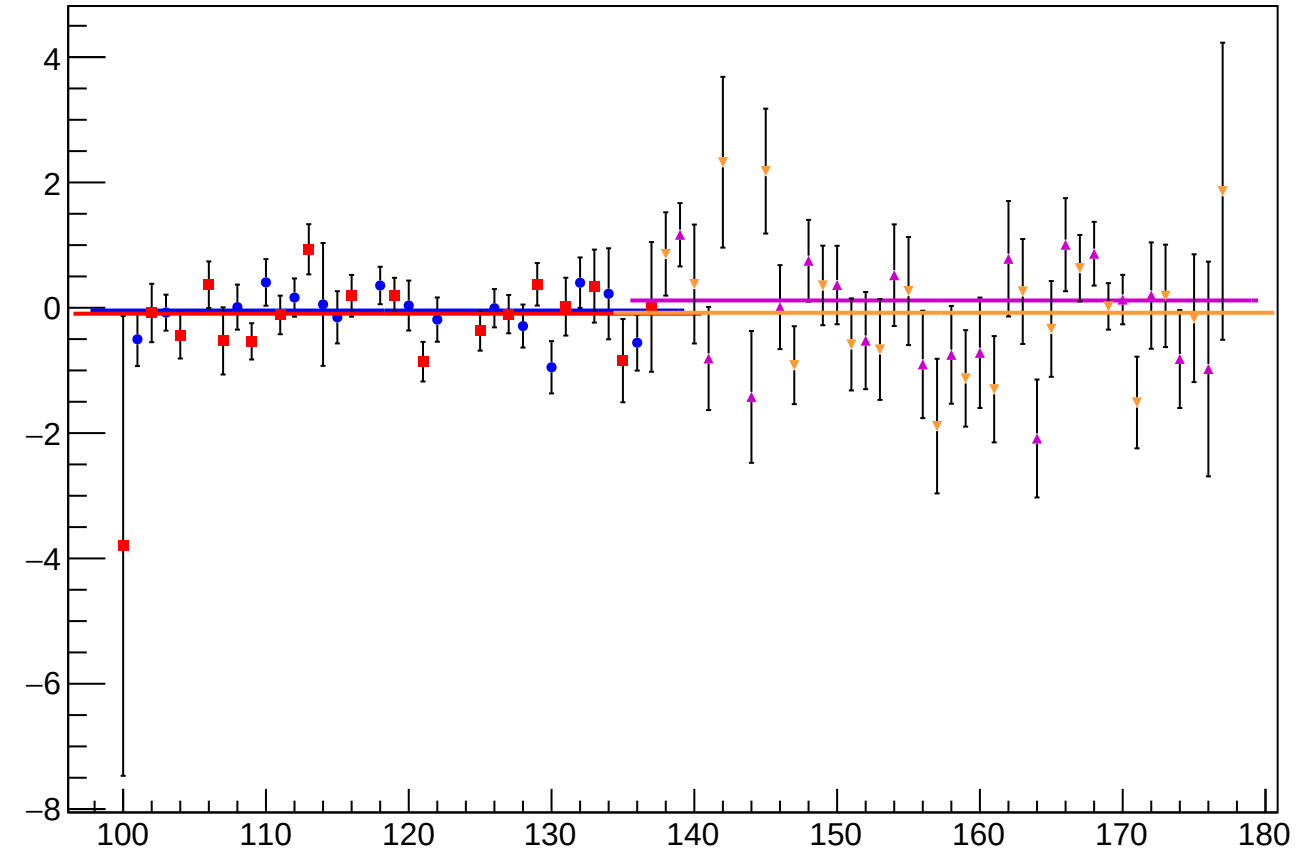
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 598.053+/-0.114 χ^2/NDF:2532231.4/18

+ sign 329.108+/-0.058 χ^2/NDF: 11537925.1/35

All: 320.663+/-0.040 χ^2/NDF: 23239370.5/72

- sign 312.804+/-0.056 χ^2/NDF: 11659924.2/36



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

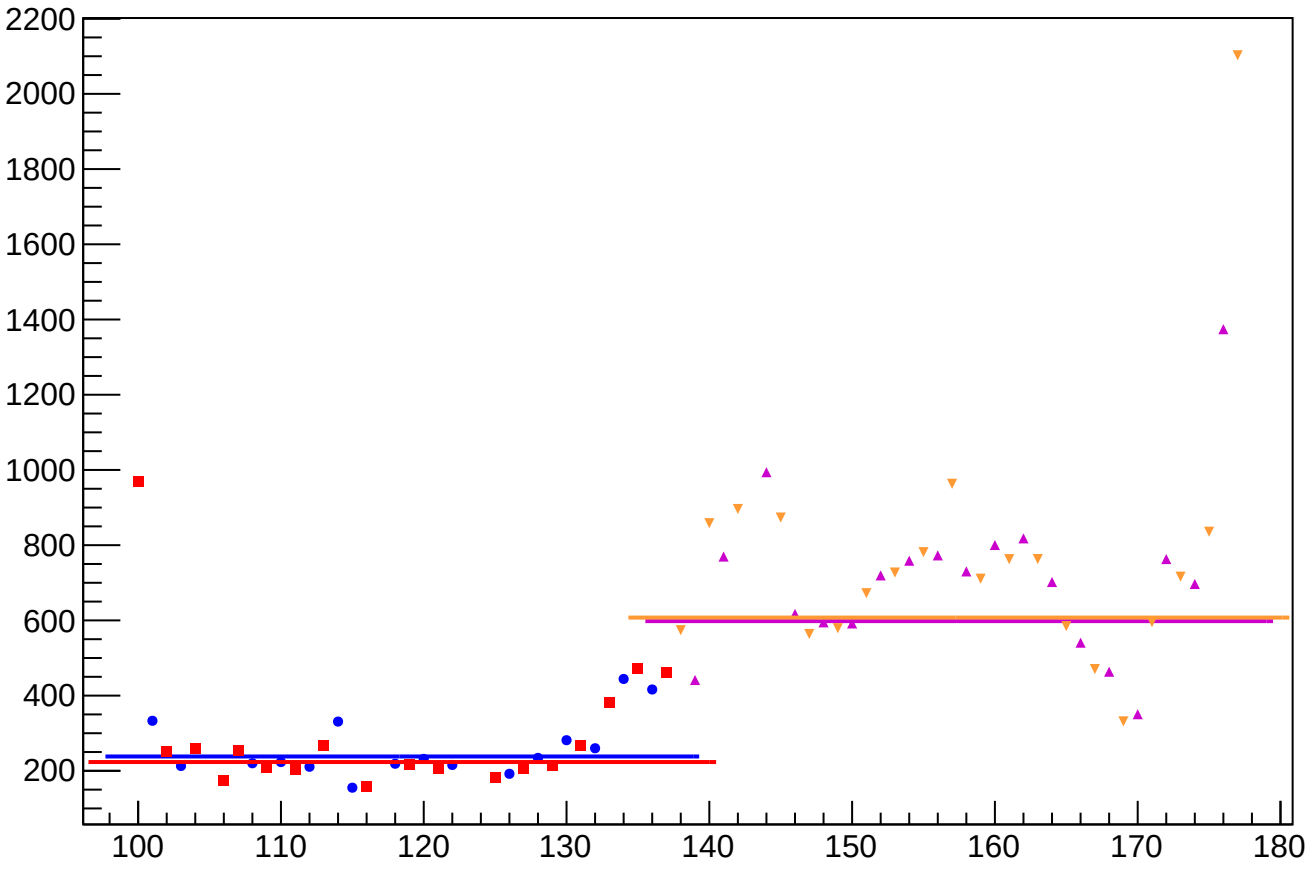
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

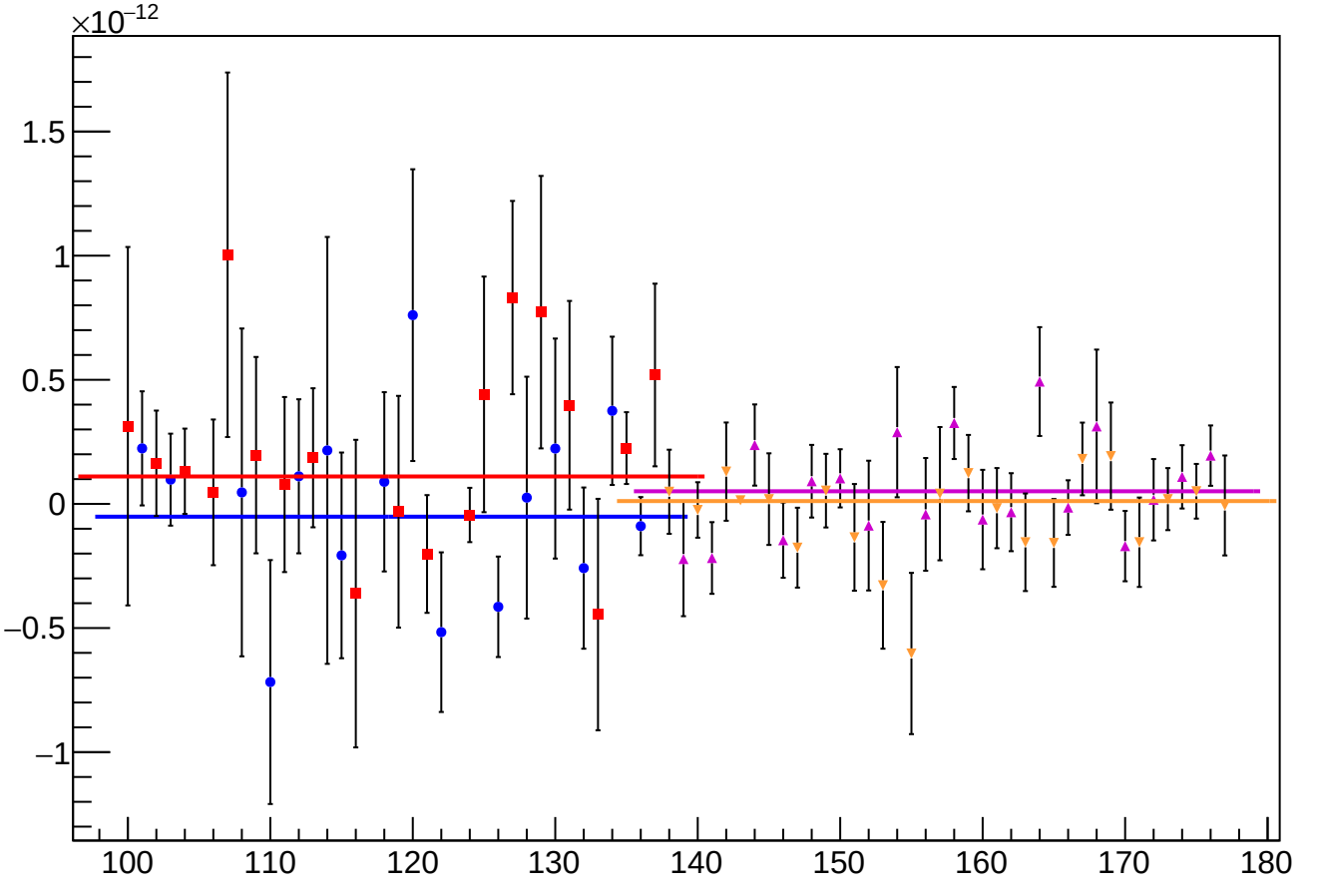
Left In: 0.117+/-0.161 χ^2/NDF:24.8/18

+ sign -0.053+/-0.081 χ^2/NDF: 40.6/35

All: -0.048+/-0.057 χ^2/NDF: 91.9/72

- sign -0.044+/-0.079 χ^2/NDF: 51.3/36


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: 607.463+/-0.116 χ²/NDF:3096392.7/19
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 598.053+/-0.114 χ²/NDF:2532231.4/18
+ sign 329.108+/-0.058 χ²/NDF: 11537925.1/35
All: 320.663+/-0.040 χ²/NDF: 23239370.5/72
- sign 312.804+/-0.056 χ²/NDF: 11659924.2/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/20

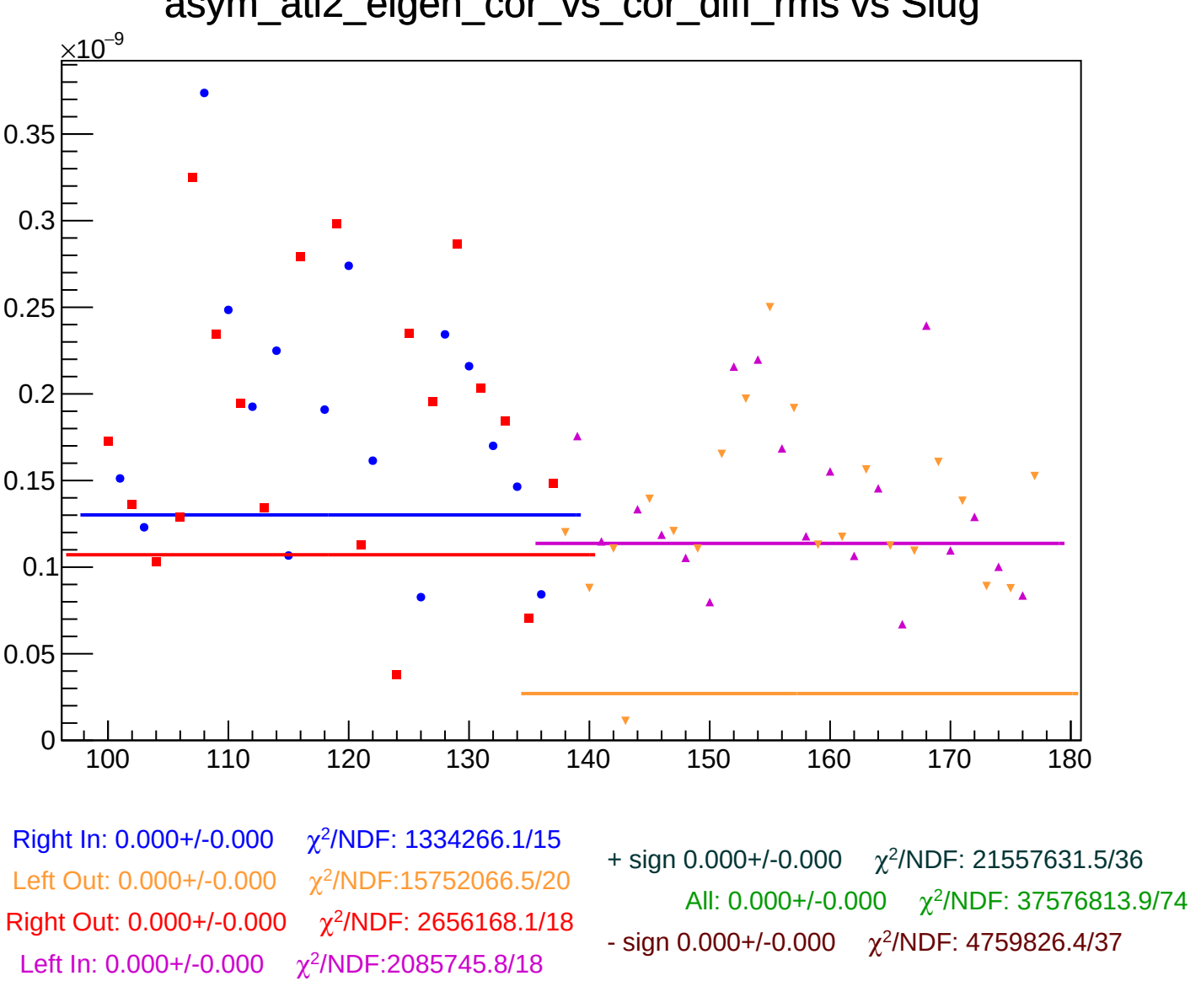
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:22.8/18

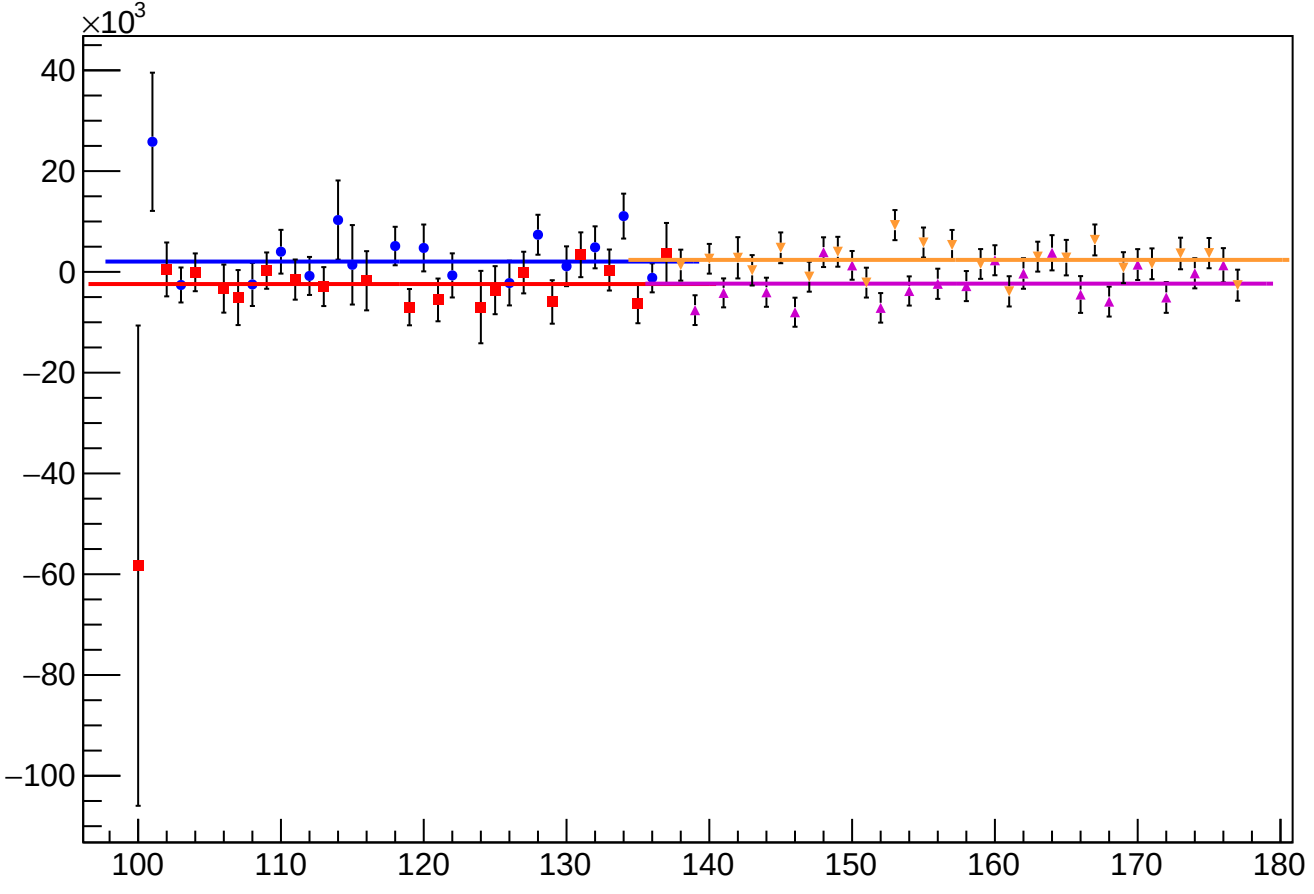
+ sign 0.000+/-0.000 χ^2/NDF: 28.7/36

All: 0.000+/-0.000 χ^2/NDF: 70.5/74

- sign 0.000+/-0.000 χ^2/NDF: 38.9/37


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:15752066.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:2085745.8/18
+ sign 0.000+/-0.000 χ²/NDF: 21557631.5/36
All: 0.000+/-0.000 χ²/NDF: 37576813.9/74
- sign 0.000+/-0.000 χ²/NDF: 4759826.4/37

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2380.760+/-669.445 χ^2/NDF:22.2/20

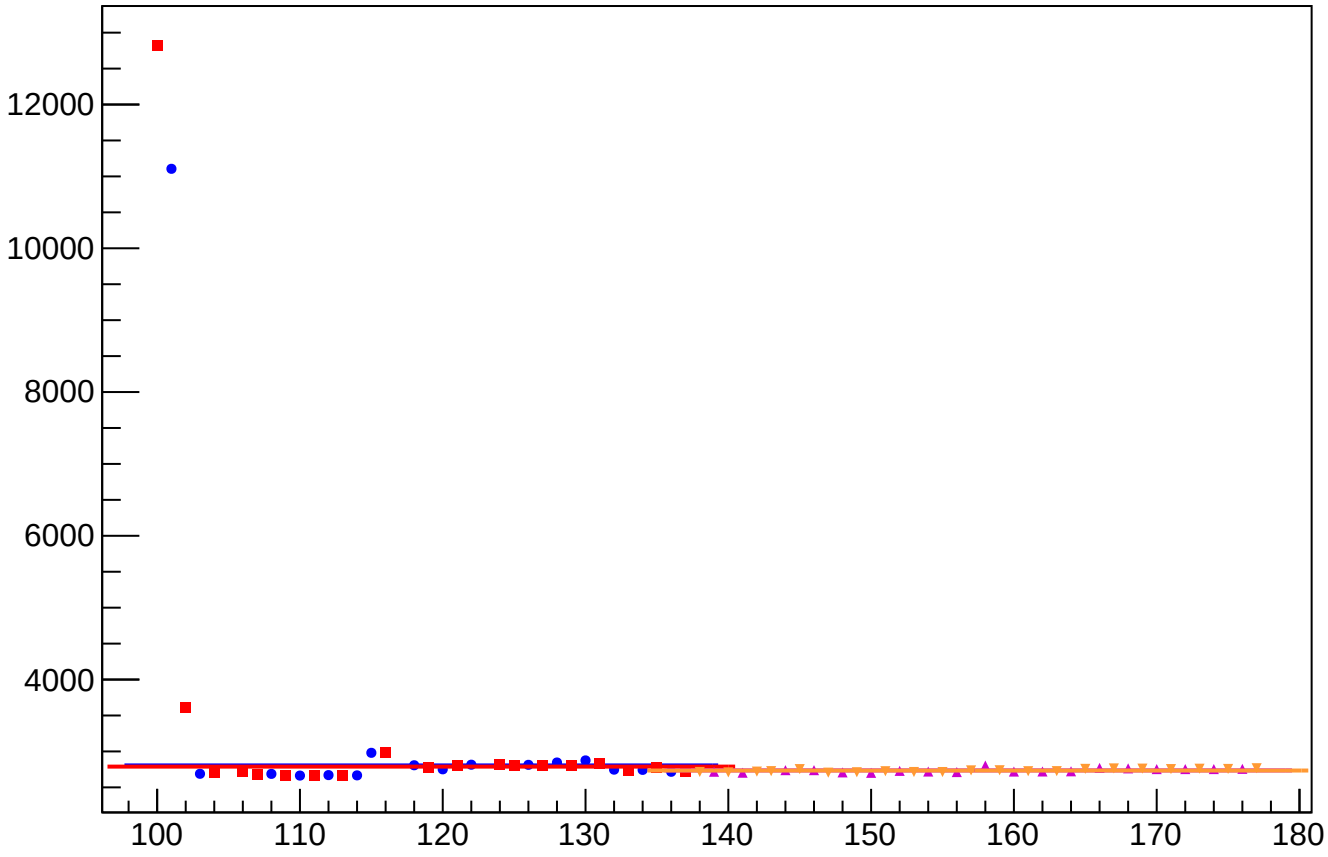
Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: -2334.135+/-693.981 χ^2/NDF:28.5/18

+ sign 2287.618+/-567.581 χ^2/NDF: 40.1/36

All: 0.841+/-404.451 χ^2/NDF: 112.3/74

- sign -2358.225+/-576.483 χ^2/NDF: 39.3/37



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2734.267+/-0.473 χ^2/NDF:1900.5/20

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

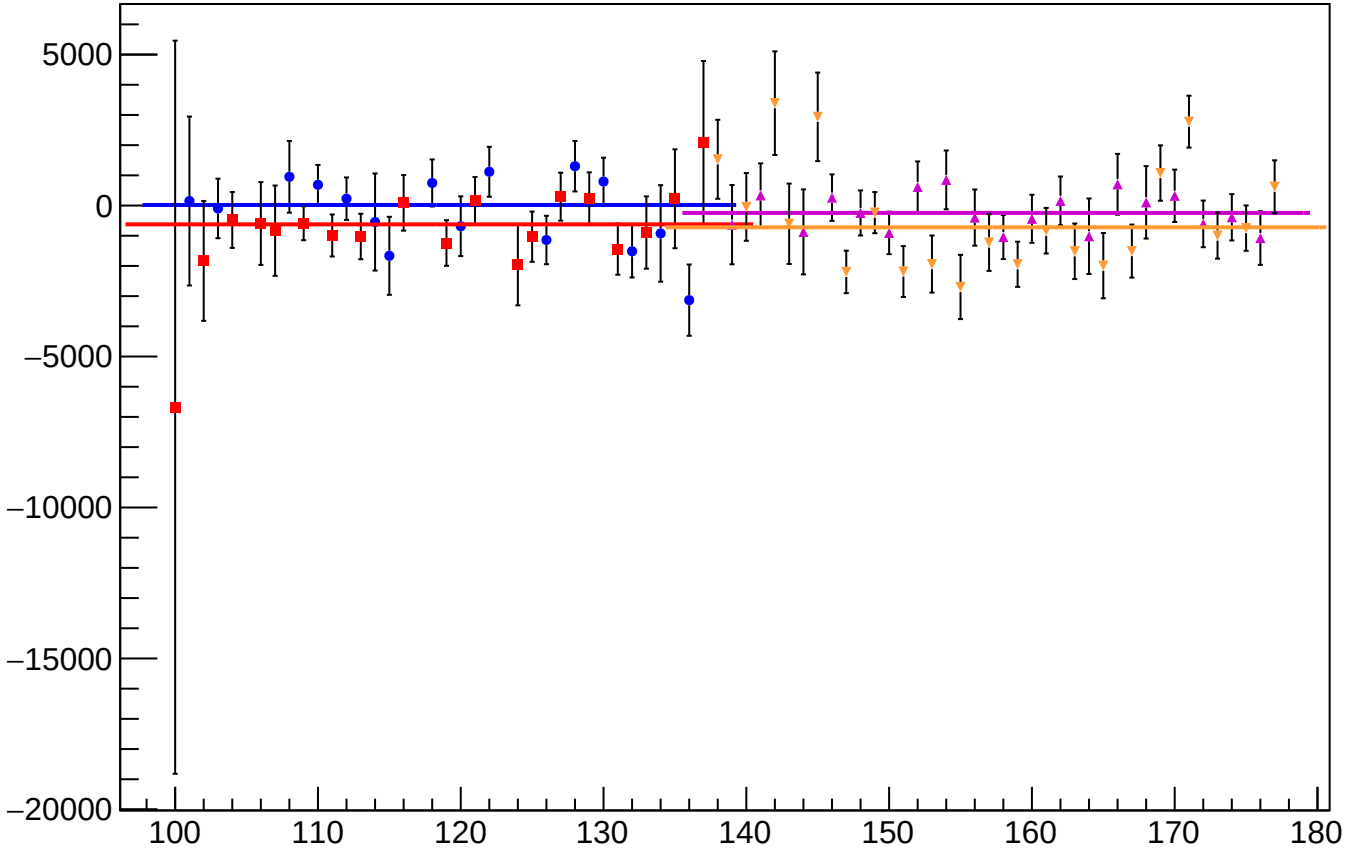
Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

+ sign 2754.281+/-0.401 χ^2/NDF: 754498.3/36

All: 2753.279+/-0.286 χ^2/NDF: 907910.8/74

- sign 2752.246+/-0.408 χ^2/NDF: 153399.9/37

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -720.058+/-197.342 χ^2/NDF:57.2/20

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

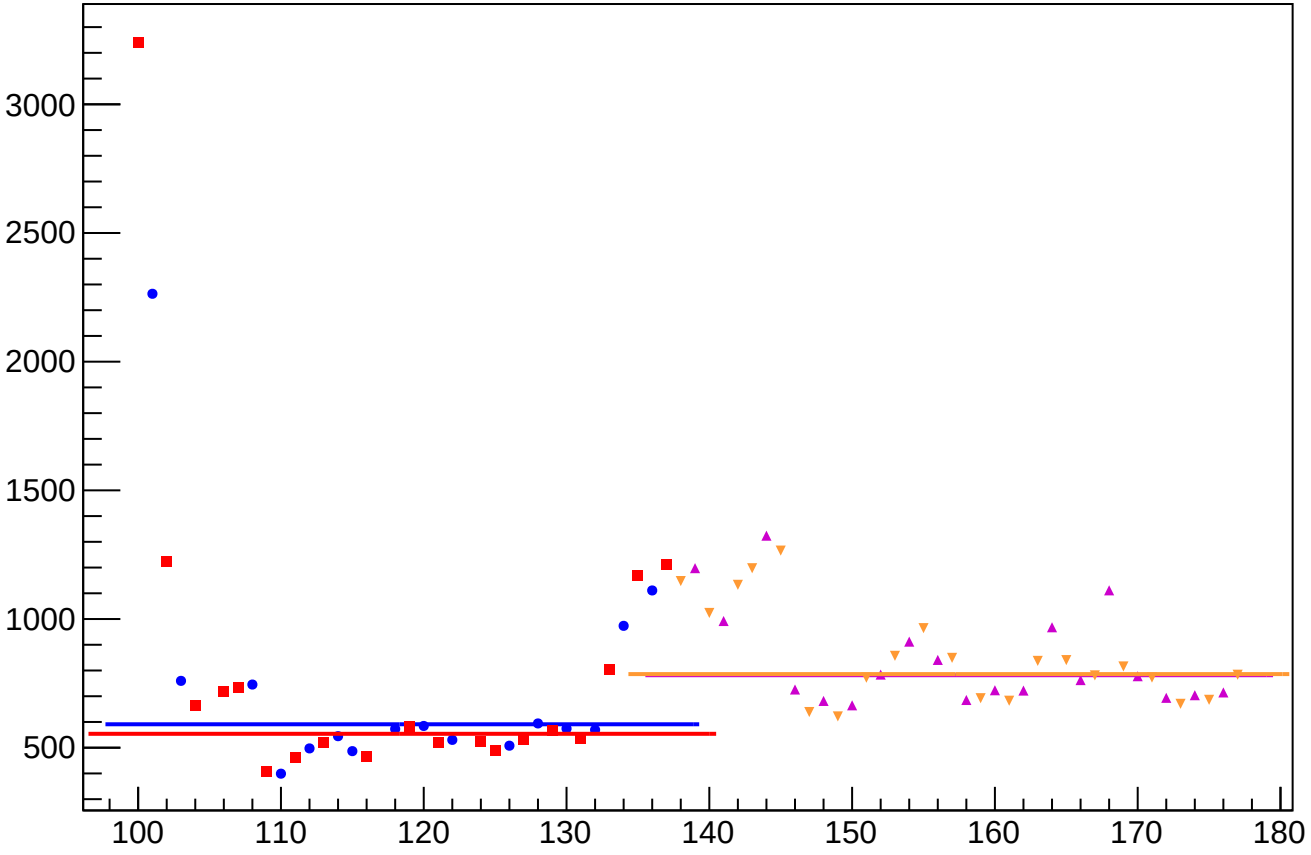
Left In: -243.578+/-202.559 χ^2/NDF:8.6/18

+ sign -412.102+/-150.718 χ^2/NDF: 85.8/36

All: -416.749+/-105.504 χ^2/NDF: 105.3/74

- sign -421.213+/-147.738 χ^2/NDF: 19.6/37

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 786.014+/-0.140 χ^2/NDF:1175420.6/20

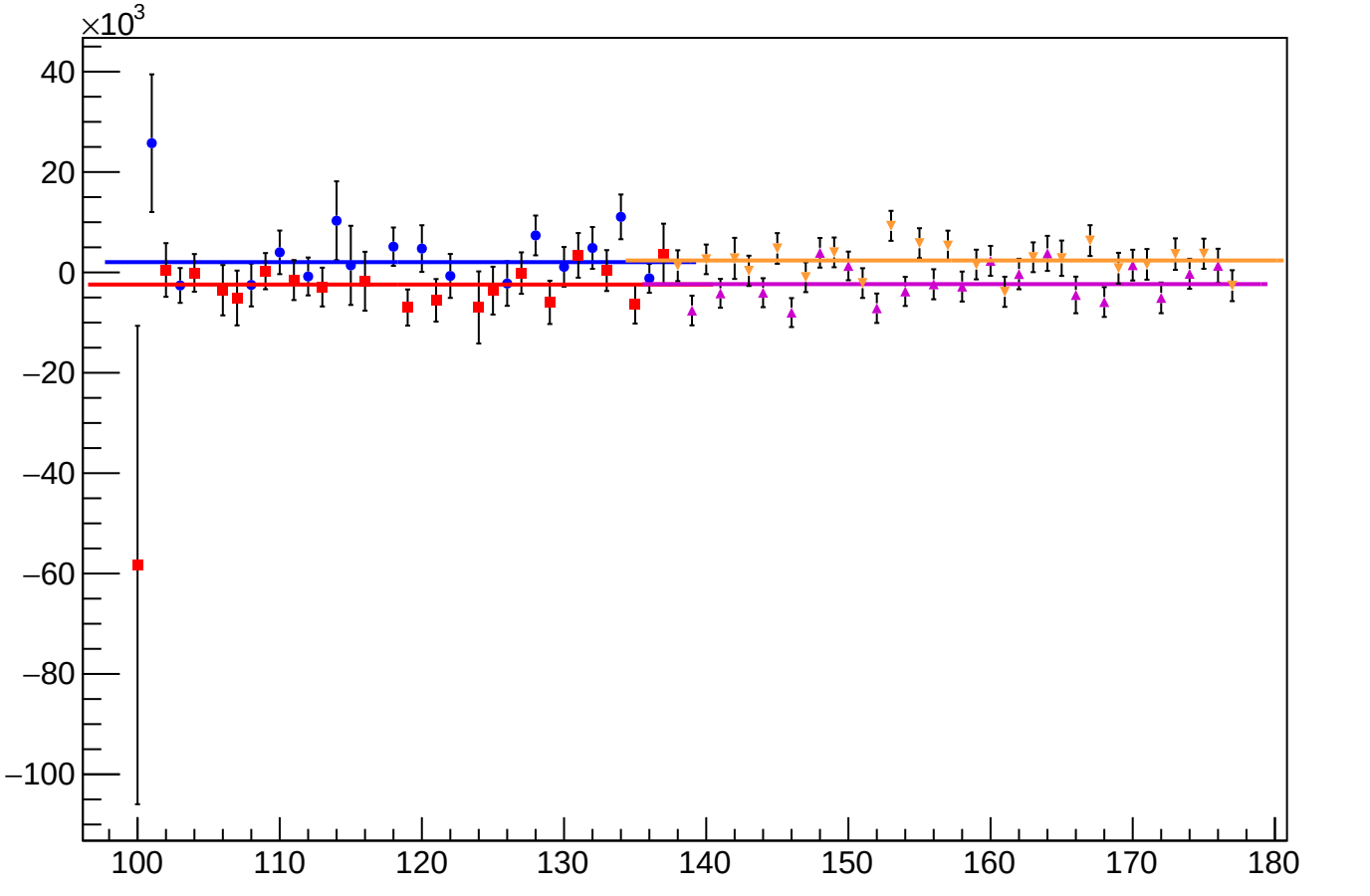
Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 781.673+/-0.143 χ^2/NDF:1032590.6/18

+ sign 704.769+/-0.107 χ^2/NDF: 3556594.8/36

All: 689.641+/-0.075 χ^2/NDF: 6928391.5/74

- sign 675.104+/-0.104 χ^2/NDF: 3332283.0/37



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2380.781+/-669.445 χ^2/NDF:22.2/20

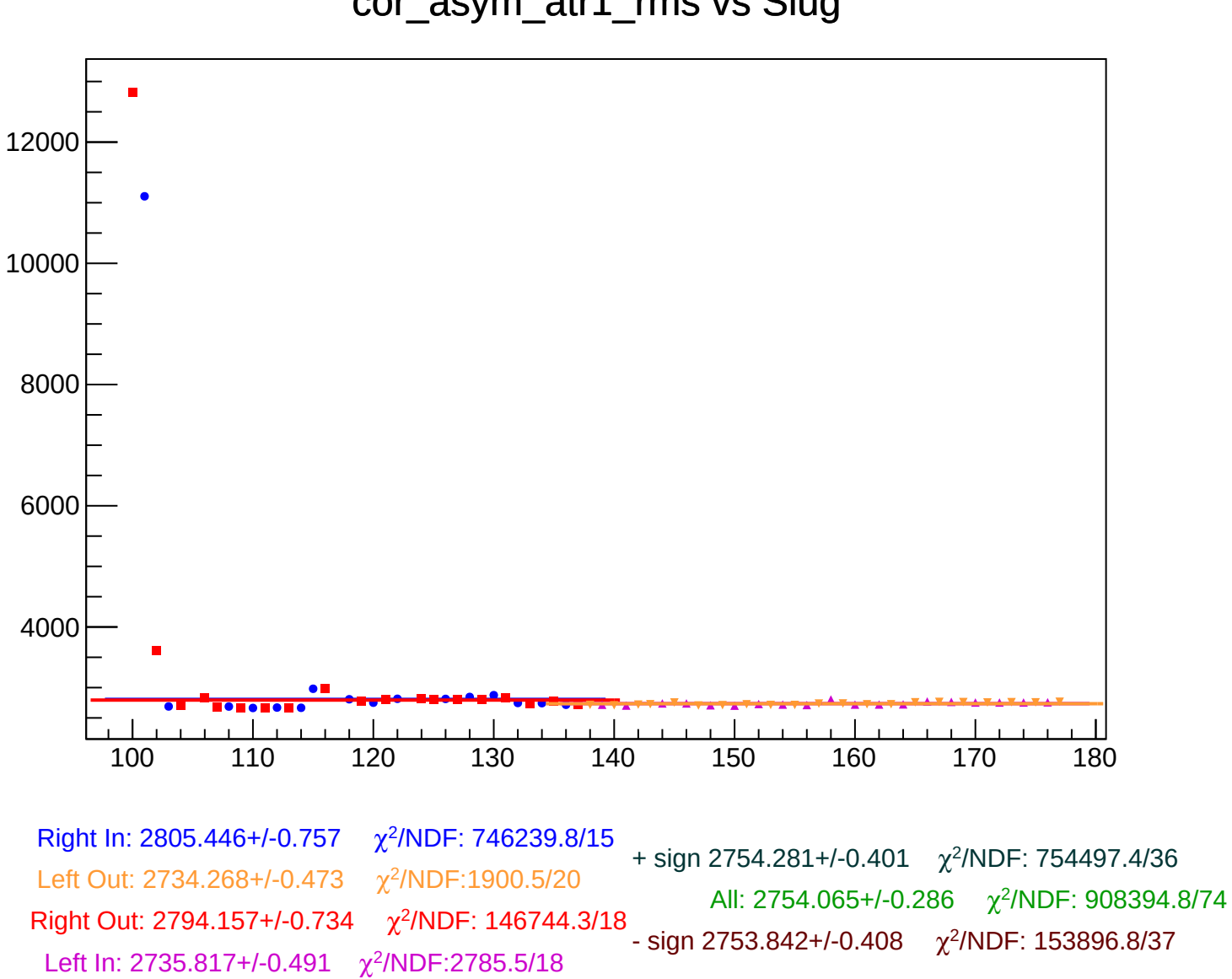
Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: -2334.201+/-693.981 χ^2/NDF:28.5/18

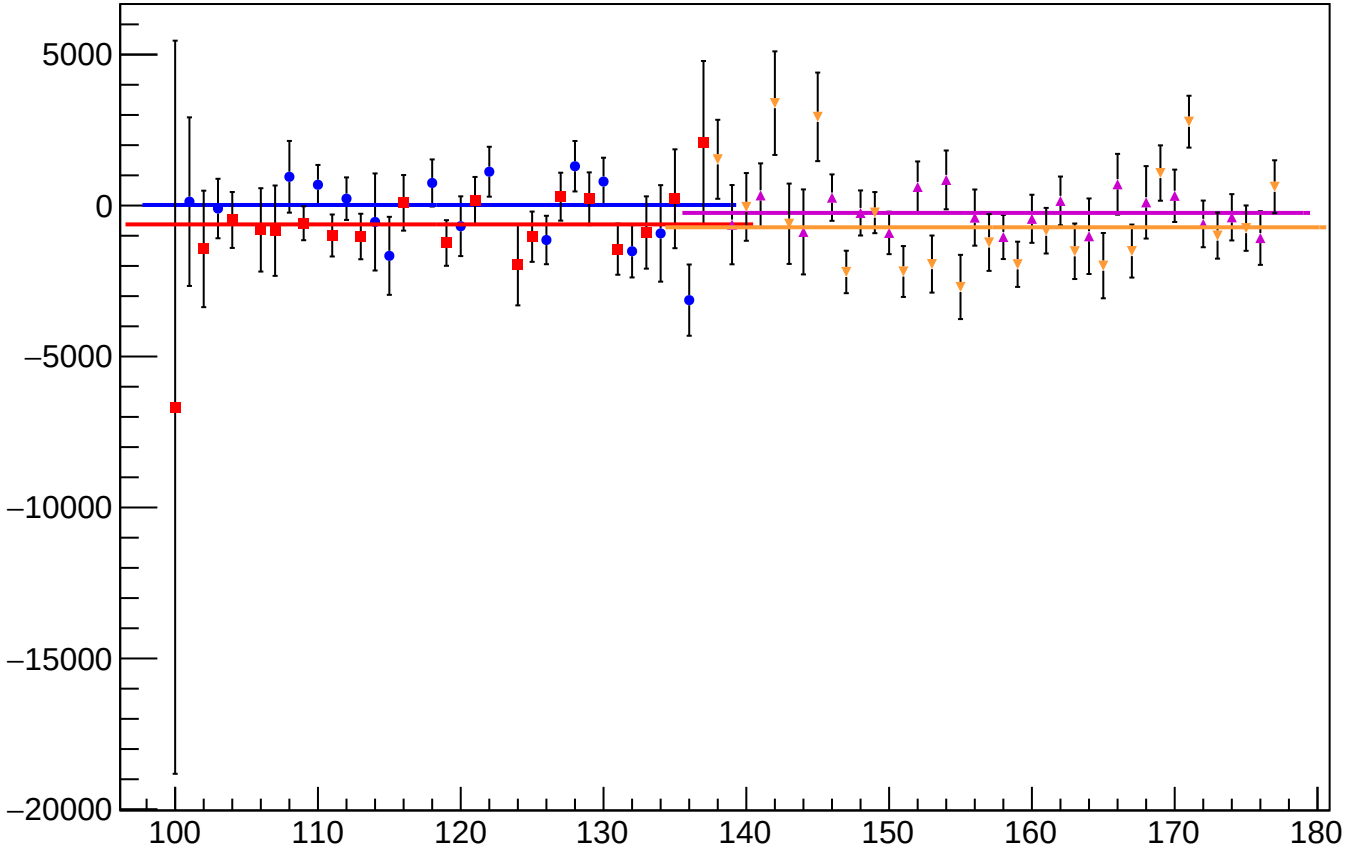
+ sign 2287.407+/-567.581 χ^2/NDF: 40.0/36

All: 1.483+/-404.593 χ^2/NDF: 112.3/74

- sign -2360.064+/-576.893 χ^2/NDF: 39.3/37


cor_asym_atr1_rms vs Slug
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 2805.446+/-0.757 χ²/NDF: 746239.8/15
Left Out: 2734.268+/-0.473 χ²/NDF:1900.5/20
Right Out: 2794.157+/-0.734 χ²/NDF: 146744.3/18
Left In: 2735.817+/-0.491 χ²/NDF:2785.5/18
+ sign 2754.281+/-0.401 χ²/NDF: 754497.4/36
All: 2754.065+/-0.286 χ²/NDF: 908394.8/74
- sign 2753.842+/-0.408 χ²/NDF: 153896.8/37

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -719.984+/-197.341 χ^2/NDF:57.2/20

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

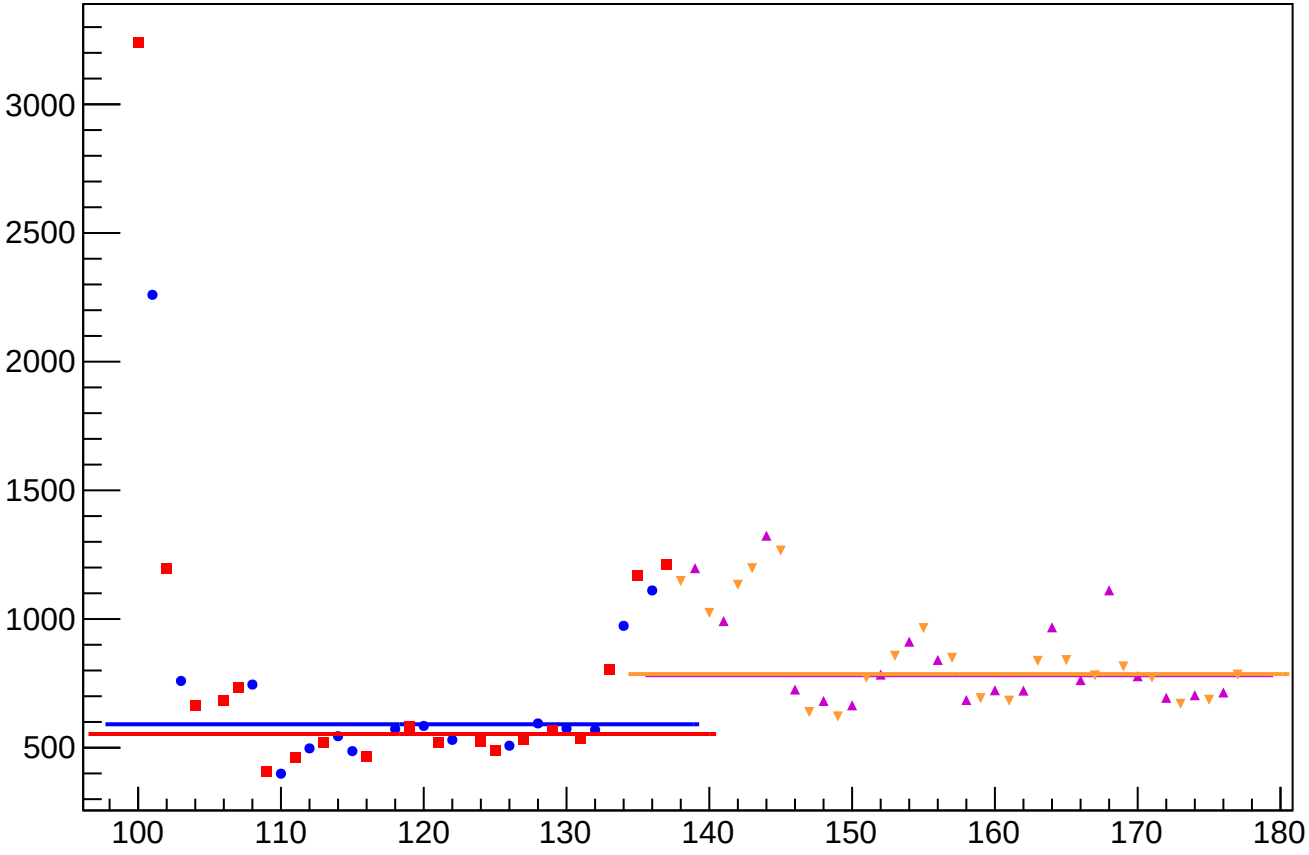
Left In: -243.691+/-202.560 χ^2/NDF:8.6/18

\+ sign -412.059+/-150.715 χ^2/NDF: 85.8/36

All: -417.044+/-105.498 χ^2/NDF: 105.2/74

\- sign -421.834+/-147.723 χ^2/NDF: 19.4/37

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.010+/-0.140 χ^2/NDF:1175433.1/20

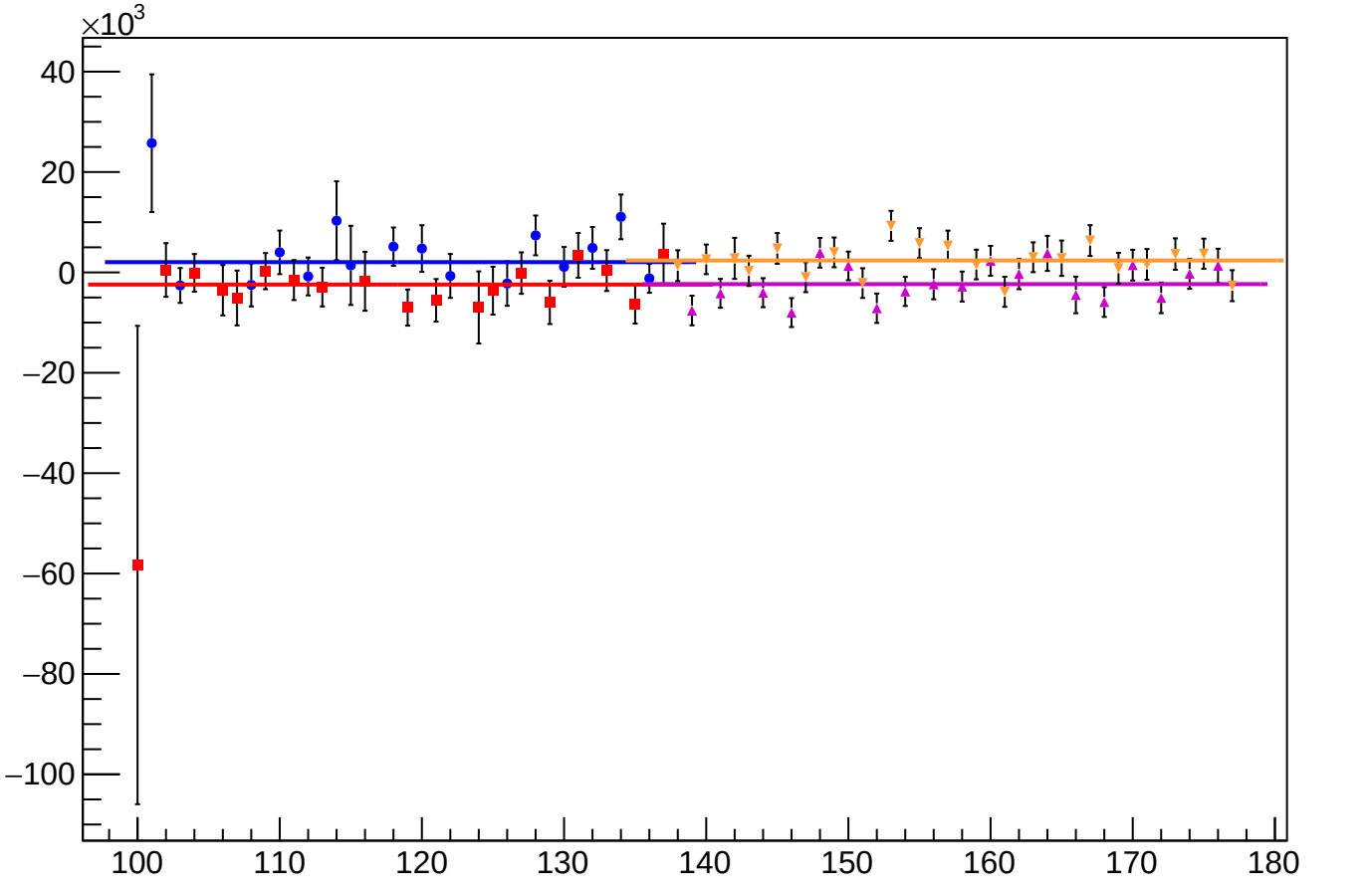
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 781.675+/-0.143 χ^2/NDF:1032526.8/18

+ sign 704.762+/-0.107 χ^2/NDF: 3555608.9/36

All: 689.445+/-0.075 χ^2/NDF: 6921148.8/74

- sign 674.730+/-0.104 χ^2/NDF: 3325038.4/37



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2380.781+/-669.445 χ^2/NDF:22.2/20

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

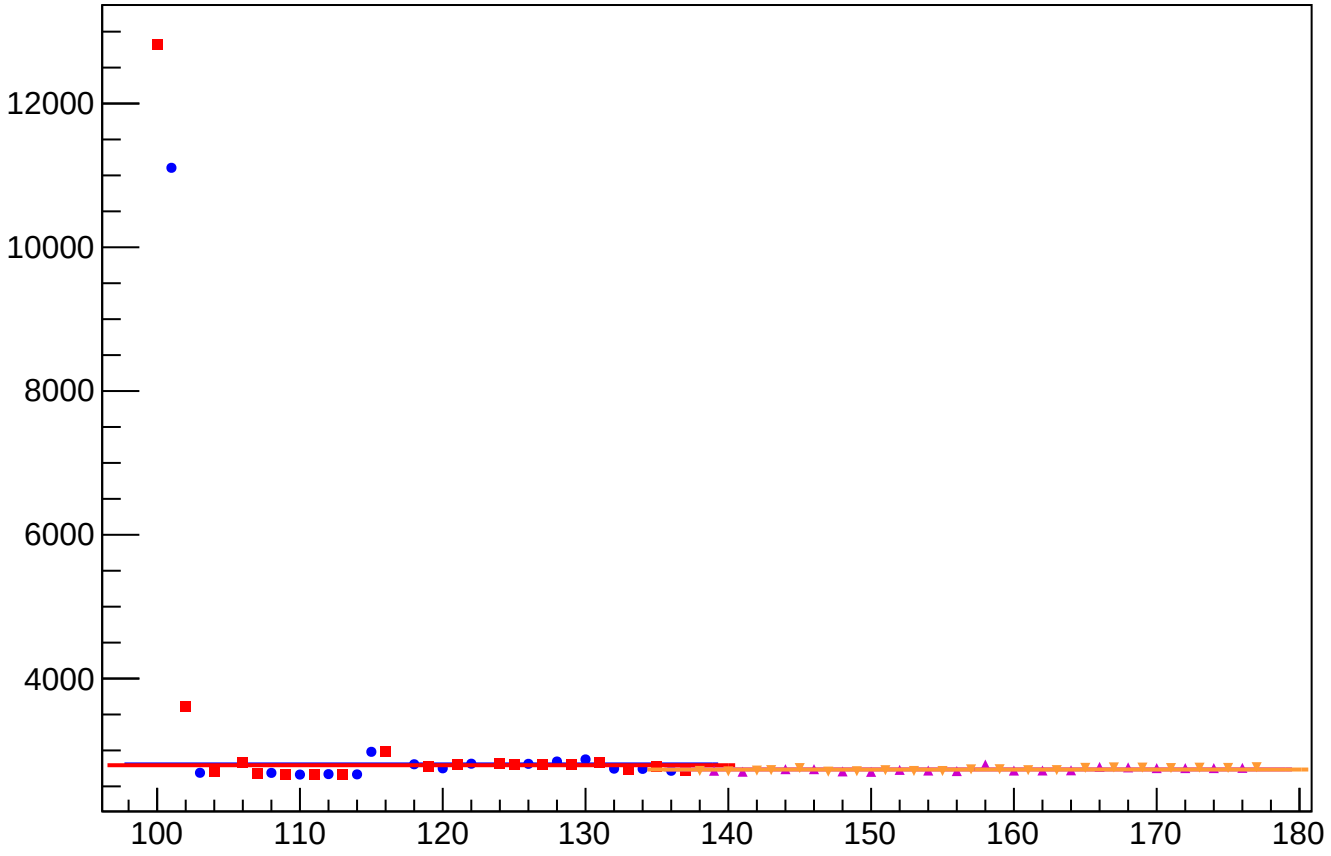
Left In: -2334.201+/-693.981 χ^2/NDF:28.5/18

+ sign 2287.407+/-567.581 χ^2/NDF: 40.0/36

All: 1.483+/-404.593 χ^2/NDF: 112.3/74

- sign -2360.064+/-576.893 χ^2/NDF: 39.3/37

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2734.268+/-0.473 χ^2/NDF:1900.5/20

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

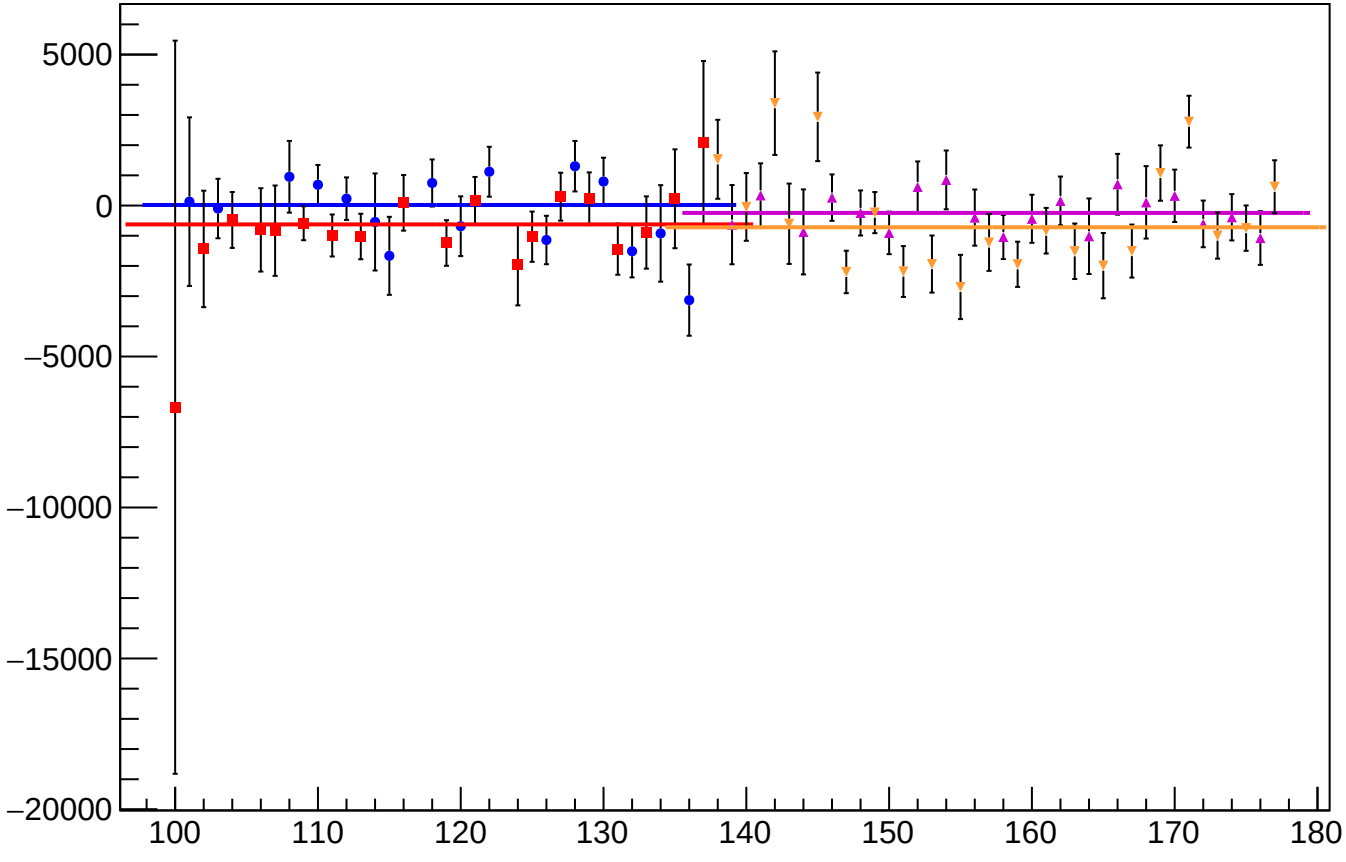
Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

+ sign 2754.281+/-0.401 χ^2/NDF: 754497.4/36

All: 2754.065+/-0.286 χ^2/NDF: 908394.8/74

- sign 2753.842+/-0.408 χ^2/NDF: 153896.8/37

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -719.984+/-197.341 χ^2/NDF:57.2/20

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

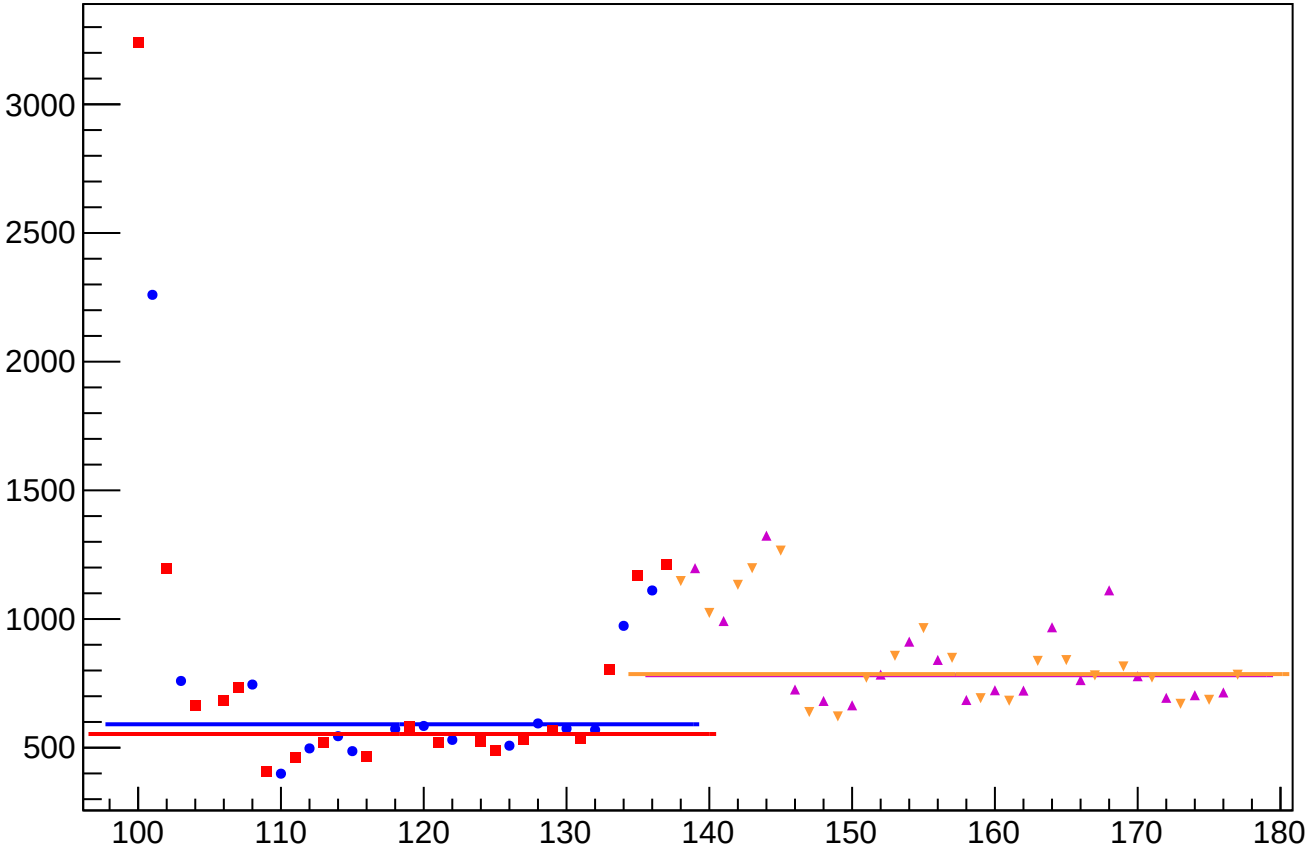
Left In: -243.691+/-202.560 χ^2/NDF:8.6/18

\+ sign -412.059+/-150.715 χ^2/NDF: 85.8/36

All: -417.044+/-105.498 χ^2/NDF: 105.2/74

\- sign -421.834+/-147.723 χ^2/NDF: 19.4/37

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.010+/-0.140 χ^2/NDF:1175433.1/20

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

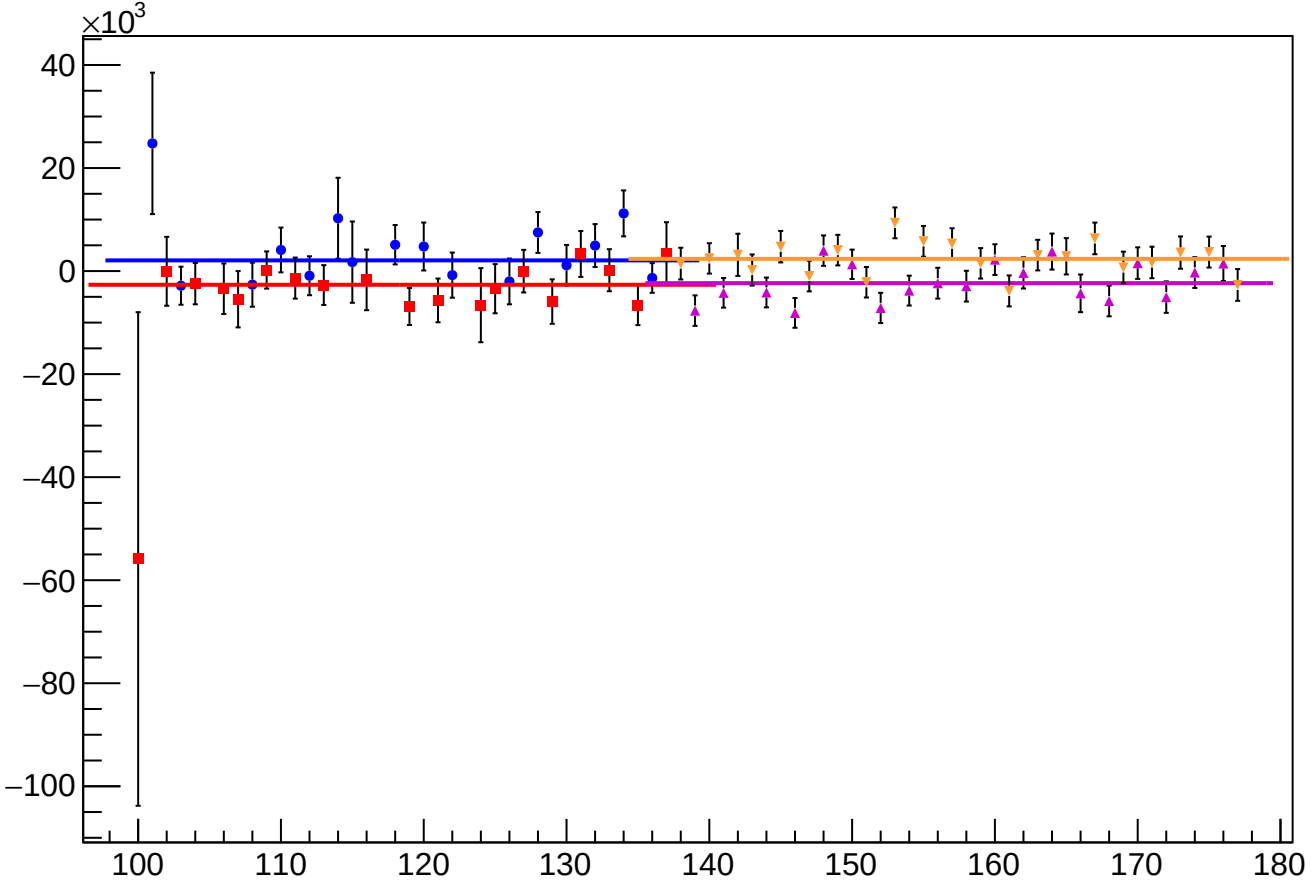
Left In: 781.675+/-0.143 χ^2/NDF:1032526.8/18

+ sign 704.762+/-0.107 χ^2/NDF: 3555608.9/36

All: 689.445+/-0.075 χ^2/NDF: 6921148.8/74

- sign 674.730+/-0.104 χ^2/NDF: 3325038.4/37

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2373.008+/-669.896 χ^2/NDF:22.4/20

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

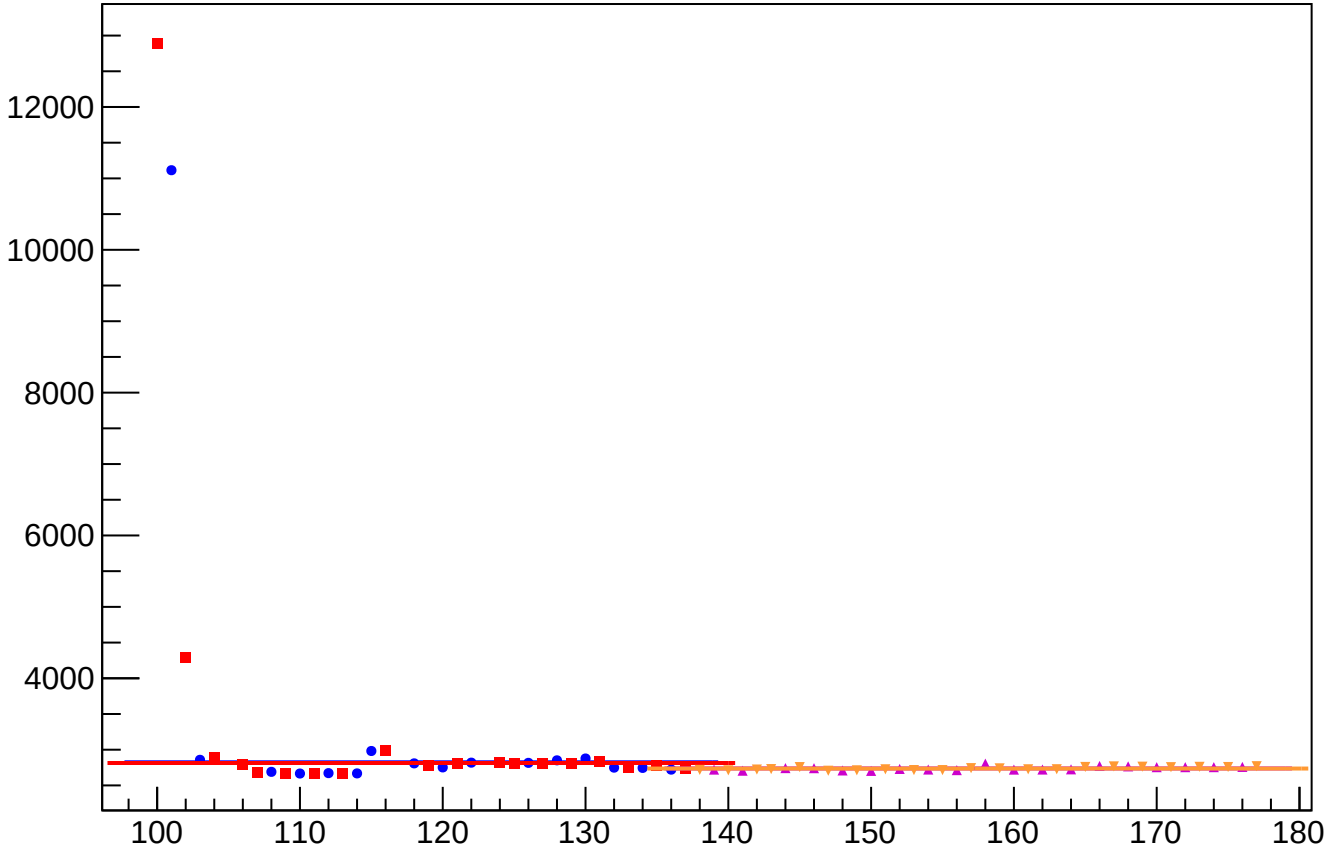
Left In: -2340.699+/-694.374 χ^2/NDF:28.9/18

+ sign 2289.831+/-568.863 χ^2/NDF: 40.3/36

All: -31.212+/-405.838 χ^2/NDF: 113.1/74

- sign -2437.047+/-579.160 χ^2/NDF: 38.9/37

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2736.104+/-0.474 χ^2/NDF:1919.0/20

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

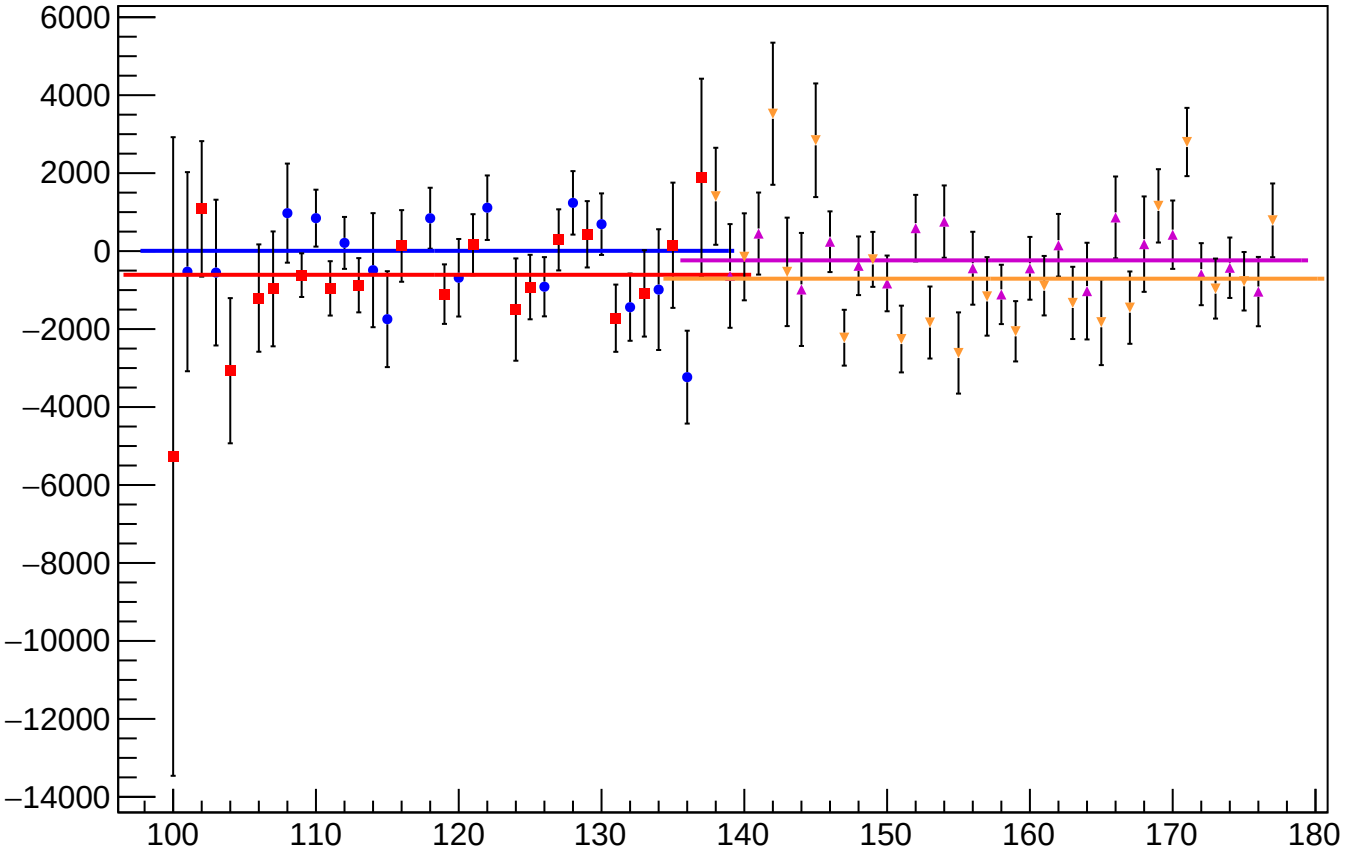
Left In: 2737.361+/-0.491 χ^2/NDF:2789.3/18

+ sign 2760.464+/-0.402 χ^2/NDF: 755317.4/36

All: 2760.545+/-0.287 χ^2/NDF: 965998.5/74

- sign 2760.629+/-0.410 χ^2/NDF: 210681.0/37

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -707.426+/-201.206 χ^2/NDF:55.6/20

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

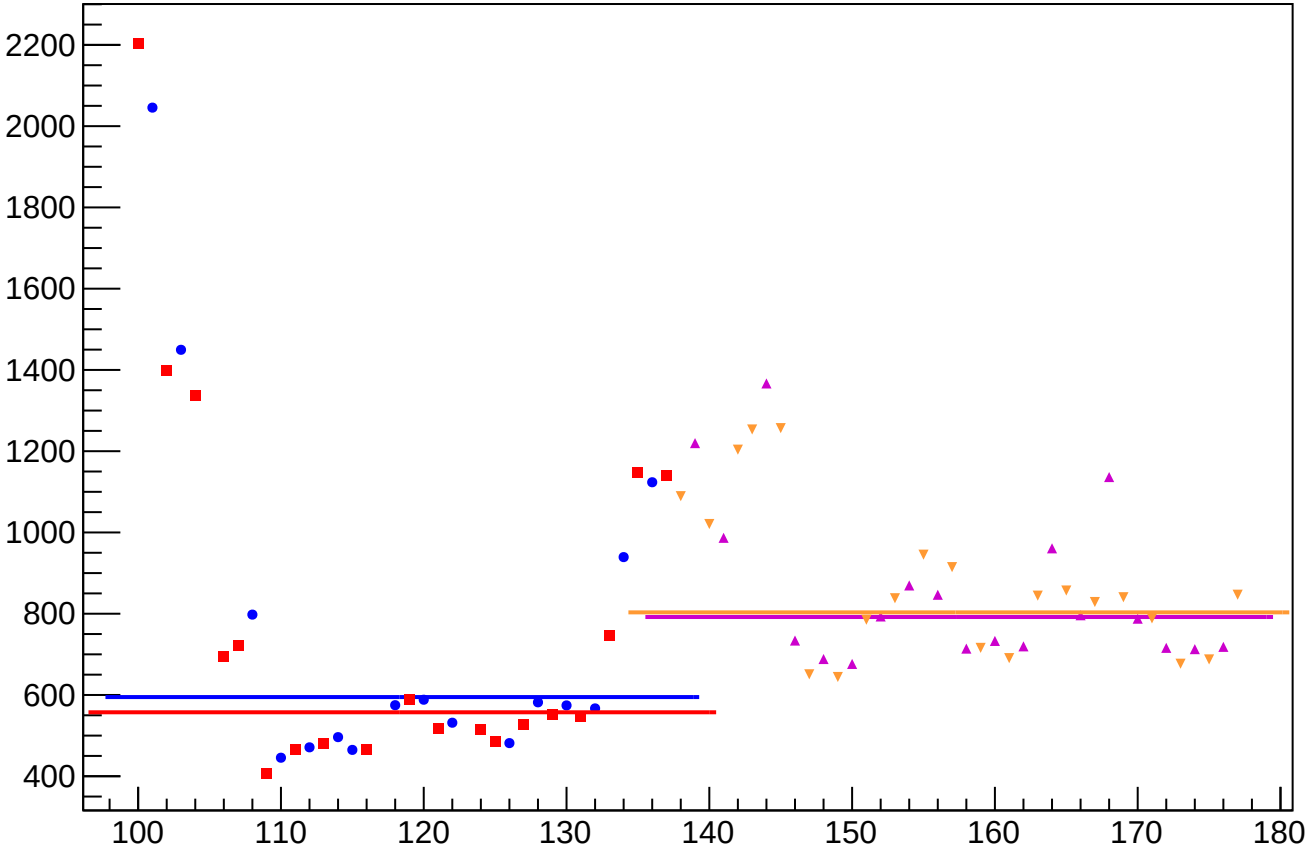
Left In: -237.501+/-204.771 χ^2/NDF:8.9/18

\+ sign -408.829+/-153.508 χ^2/NDF: 83.7/36

All: -410.344+/-106.903 χ^2/NDF: 106.2/74

\- sign -411.771+/-148.961 χ^2/NDF: 22.6/37

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 803.313+/-0.142 χ^2/NDF:1127555.3/20

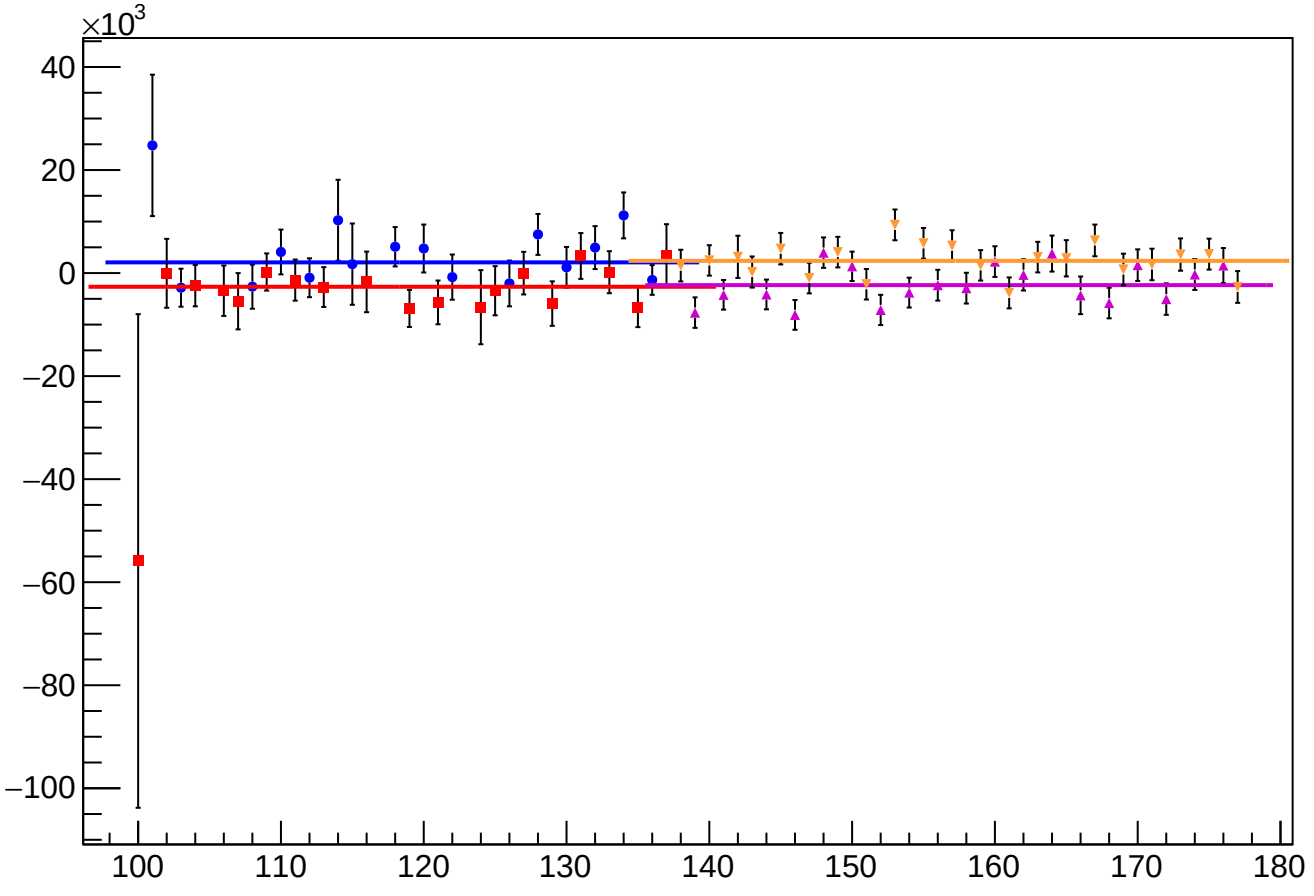
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 791.880+/-0.145 χ^2/NDF:1008037.1/18

+ sign 716.194+/-0.109 χ^2/NDF: 3877375.7/36

All: 698.316+/-0.076 χ^2/NDF: 7804109.6/74

- sign 681.482+/-0.105 χ^2/NDF: 3874063.4/37



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2373.009+/-669.896 χ^2/NDF:22.4/20

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

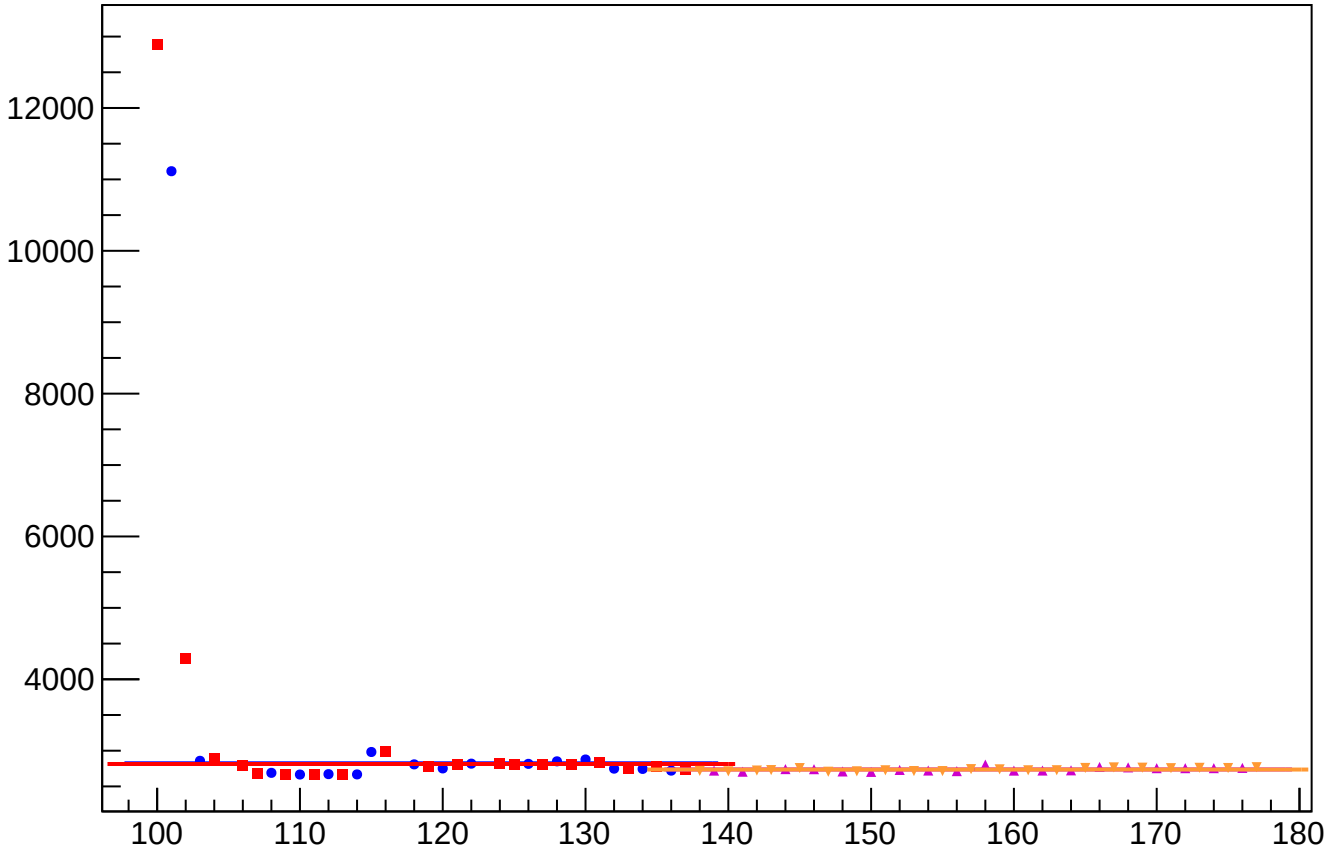
Left In: -2340.699+/-694.374 χ^2/NDF:28.9/18

+ sign 2289.831+/-568.863 χ^2/NDF: 40.3/36

All: -31.212+/-405.838 χ^2/NDF: 113.1/74

- sign -2437.046+/-579.160 χ^2/NDF: 38.9/37

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2736.104+/-0.474 χ^2/NDF:1919.0/20

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

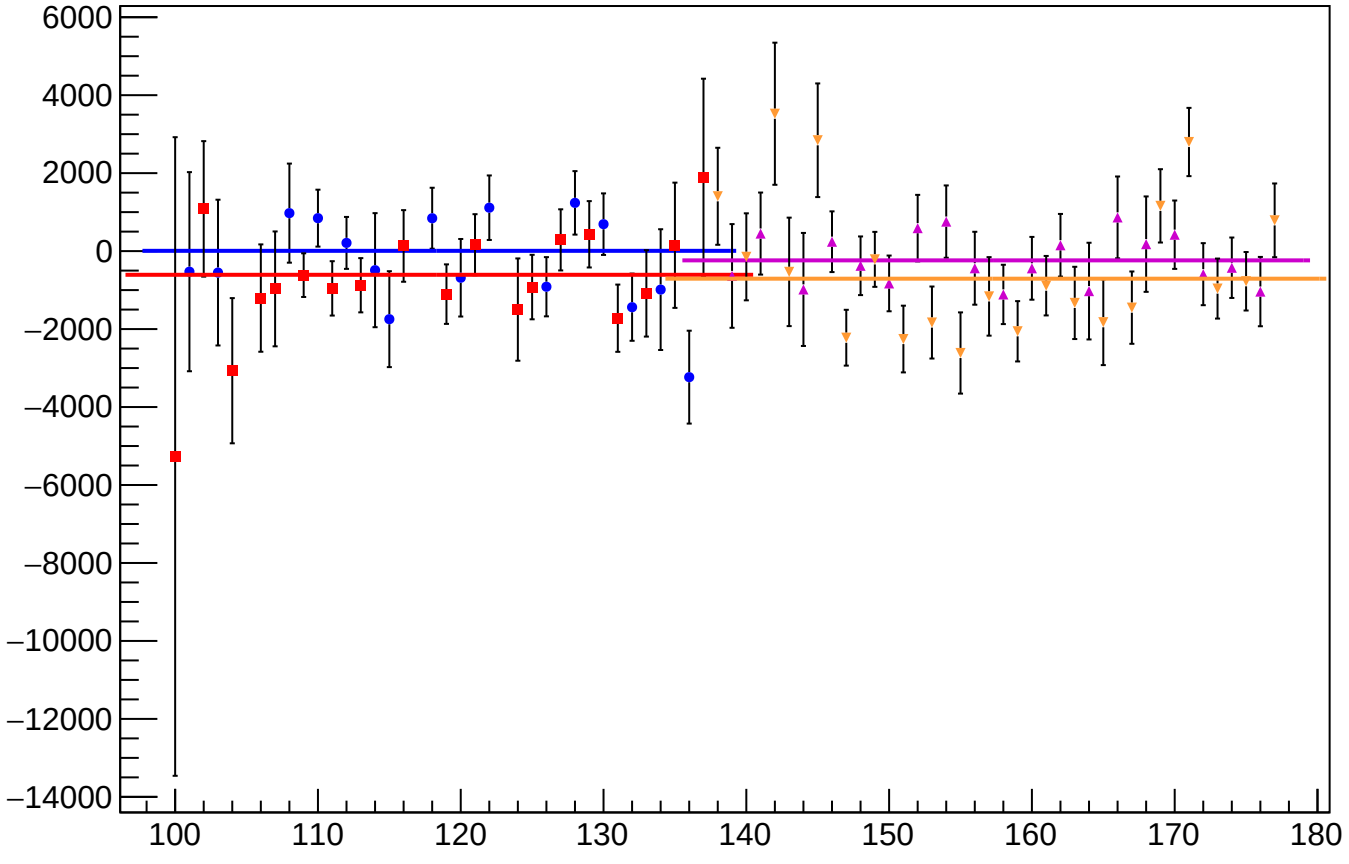
Left In: 2737.361+/-0.491 χ^2/NDF:2789.3/18

+ sign 2760.464+/-0.402 χ^2/NDF: 755317.4/36

All: 2760.545+/-0.287 χ^2/NDF: 965998.2/74

- sign 2760.629+/-0.410 χ^2/NDF: 210680.7/37

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -707.427+/-201.206 χ^2/NDF:55.6/20

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

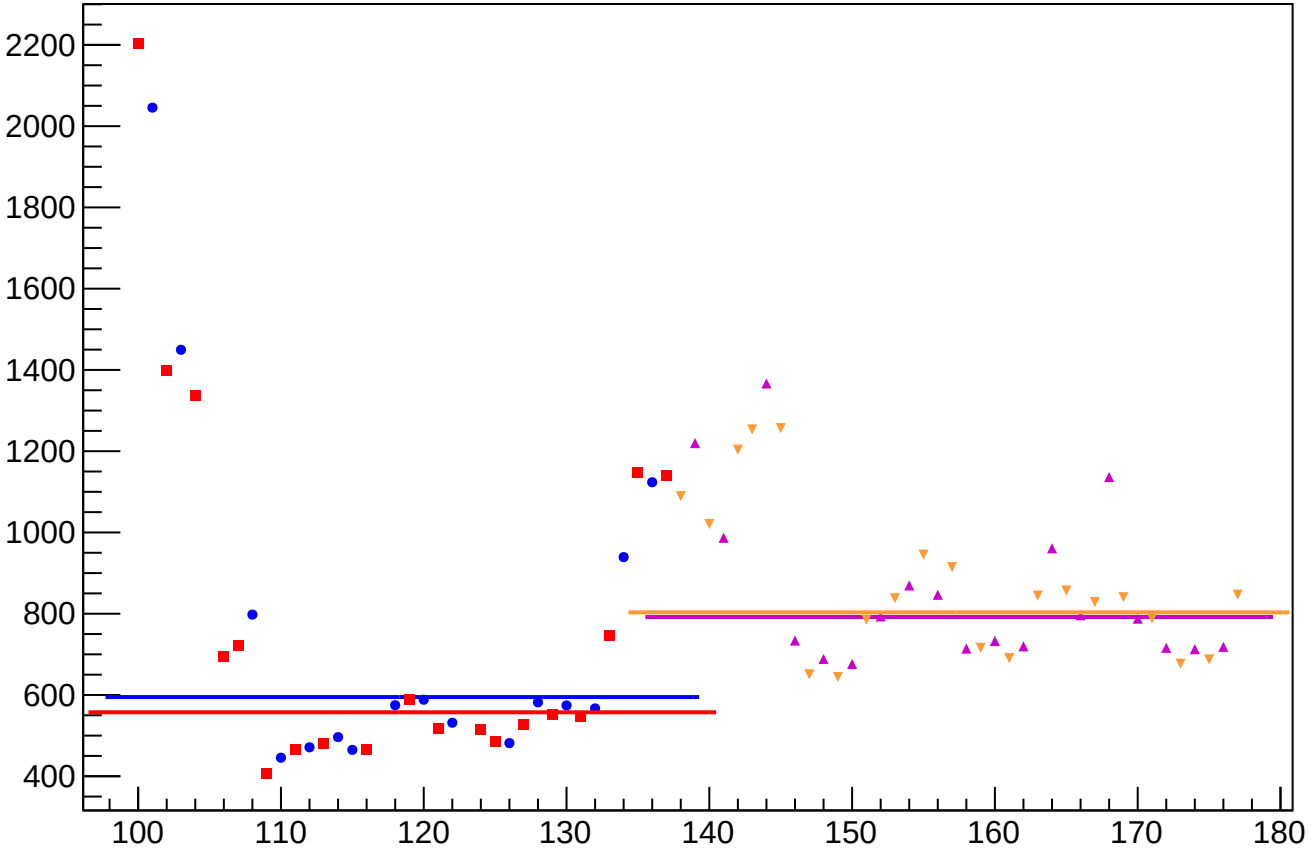
Left In: -237.501+/-204.771 χ^2/NDF:8.9/18

\+ sign -408.830+/-153.508 χ^2/NDF: 83.7/36

All: -410.345+/-106.903 χ^2/NDF: 106.2/74

\- sign -411.771+/-148.961 χ^2/NDF: 22.6/37

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 803.313+/-0.142 χ^2/NDF:1127558.0/20

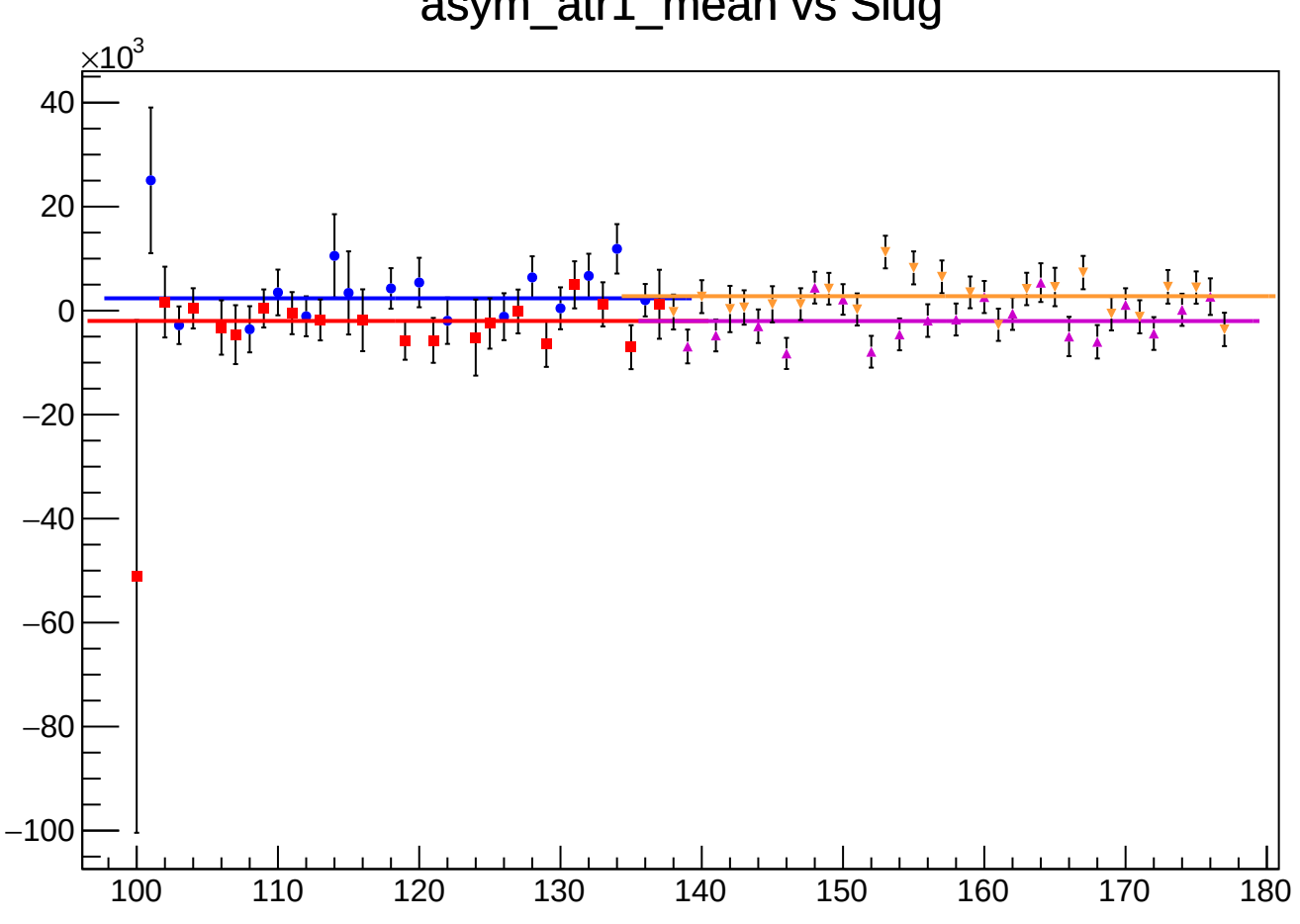
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 791.880+/-0.145 χ^2/NDF:1008041.0/18

+ sign 716.195+/-0.109 χ^2/NDF: 3877369.3/36

All: 698.317+/-0.076 χ^2/NDF: 7804102.4/74

- sign 681.482+/-0.105 χ^2/NDF: 3874061.9/37



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2774.291+/-704.585 χ^2/NDF:27.5/20

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

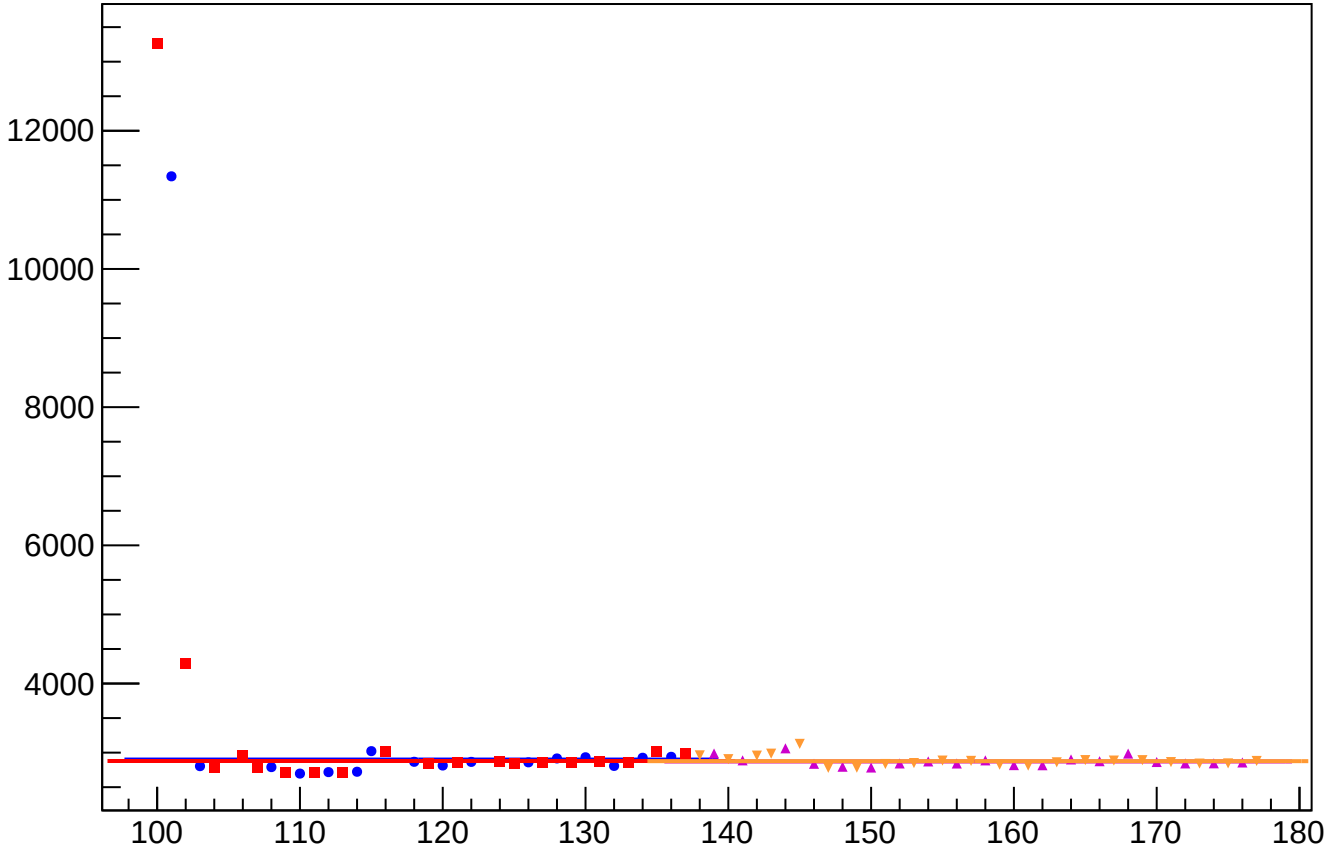
Left In: -2005.960+/-728.744 χ^2/NDF:30.7/18

+ sign 2656.794+/-594.276 χ^2/NDF: 44.4/36

All: 363.329+/-423.357 χ^2/NDF: 115.7/74

- sign -2000.005+/-603.260 χ^2/NDF: 41.0/37

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2876.572+/-0.498 χ^2/NDF:21129.7/20

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

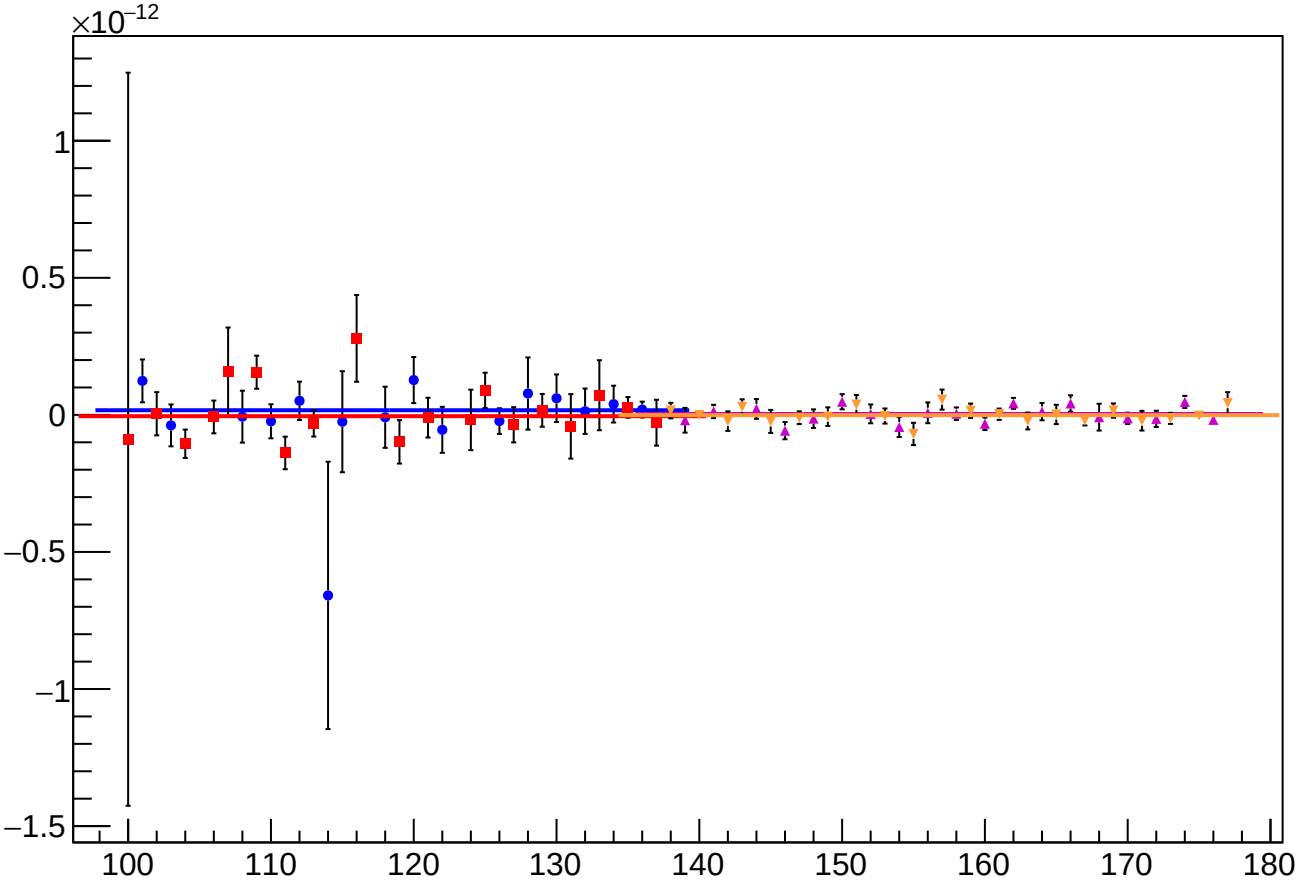
Left In: 2871.955+/-0.515 χ^2/NDF:17370.7/18

\+ sign 2883.284+/-0.420 χ^2/NDF: 763576.6/36

All: 2878.790+/-0.299 χ^2/NDF: 974520.1/74

\- sign 2874.158+/-0.427 χ^2/NDF: 210711.2/37

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:12.9/20

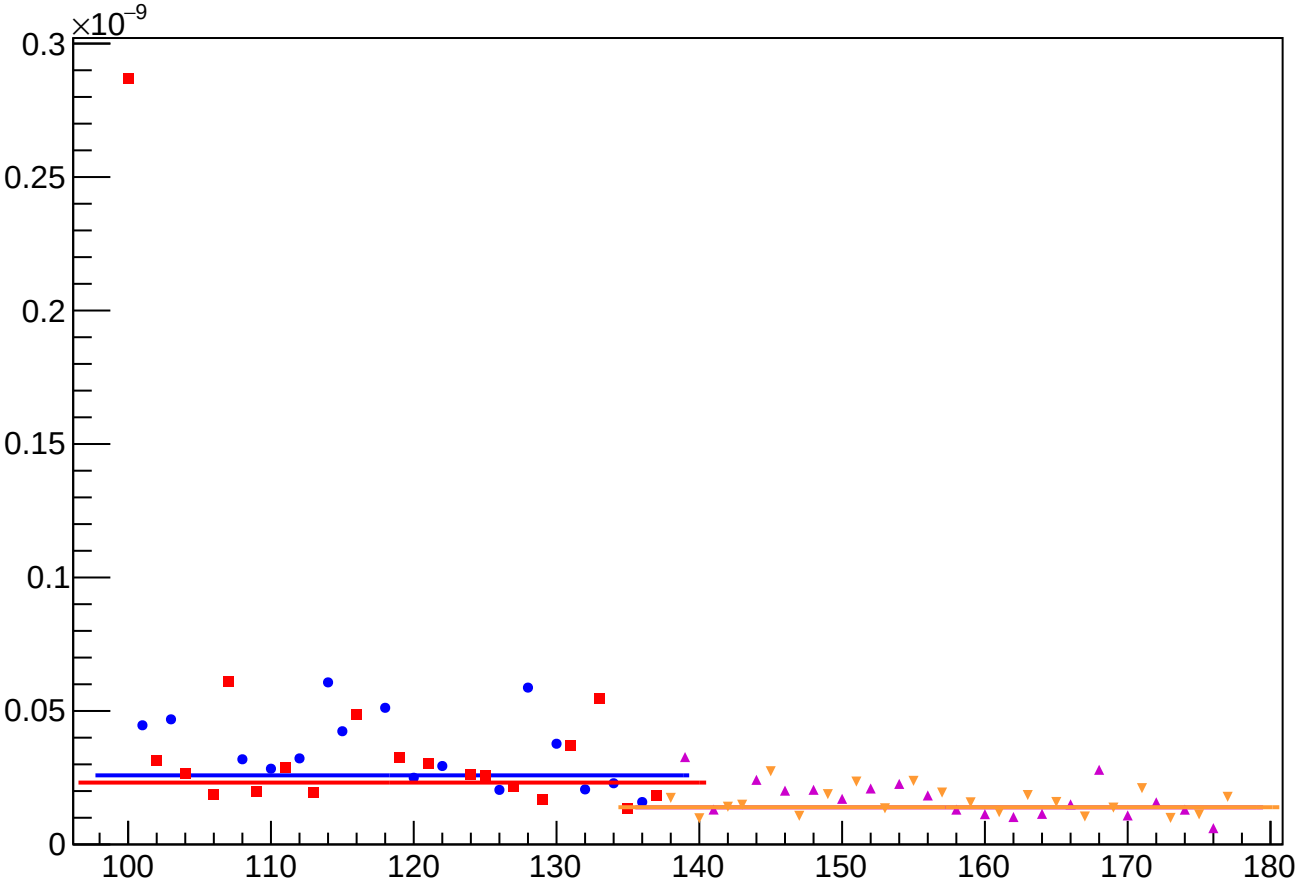
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:23.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/36

All: 0.000+/-0.000 χ^2/NDF: 72.5/74

- sign 0.000+/-0.000 χ^2/NDF: 49.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1102310.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

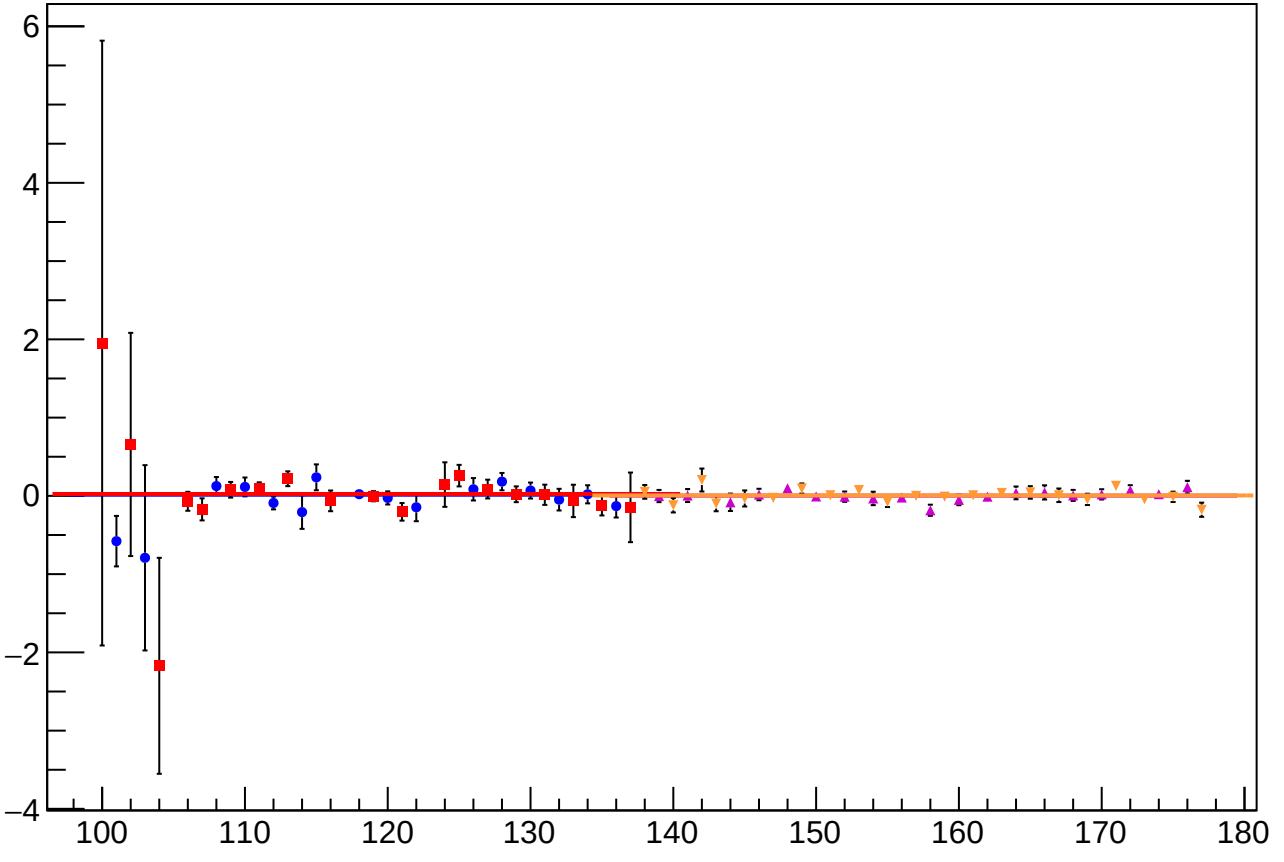
Left In: 0.000+/-0.000 χ^2/NDF:1728929.3/18

\+ sign 0.000+/-0.000 χ^2/NDF: 2864936.5/36

All: 0.000+/-0.000 χ^2/NDF: 5890946.1/74

\- sign 0.000+/-0.000 χ^2/NDF: 3025849.5/37

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:20.4/20

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

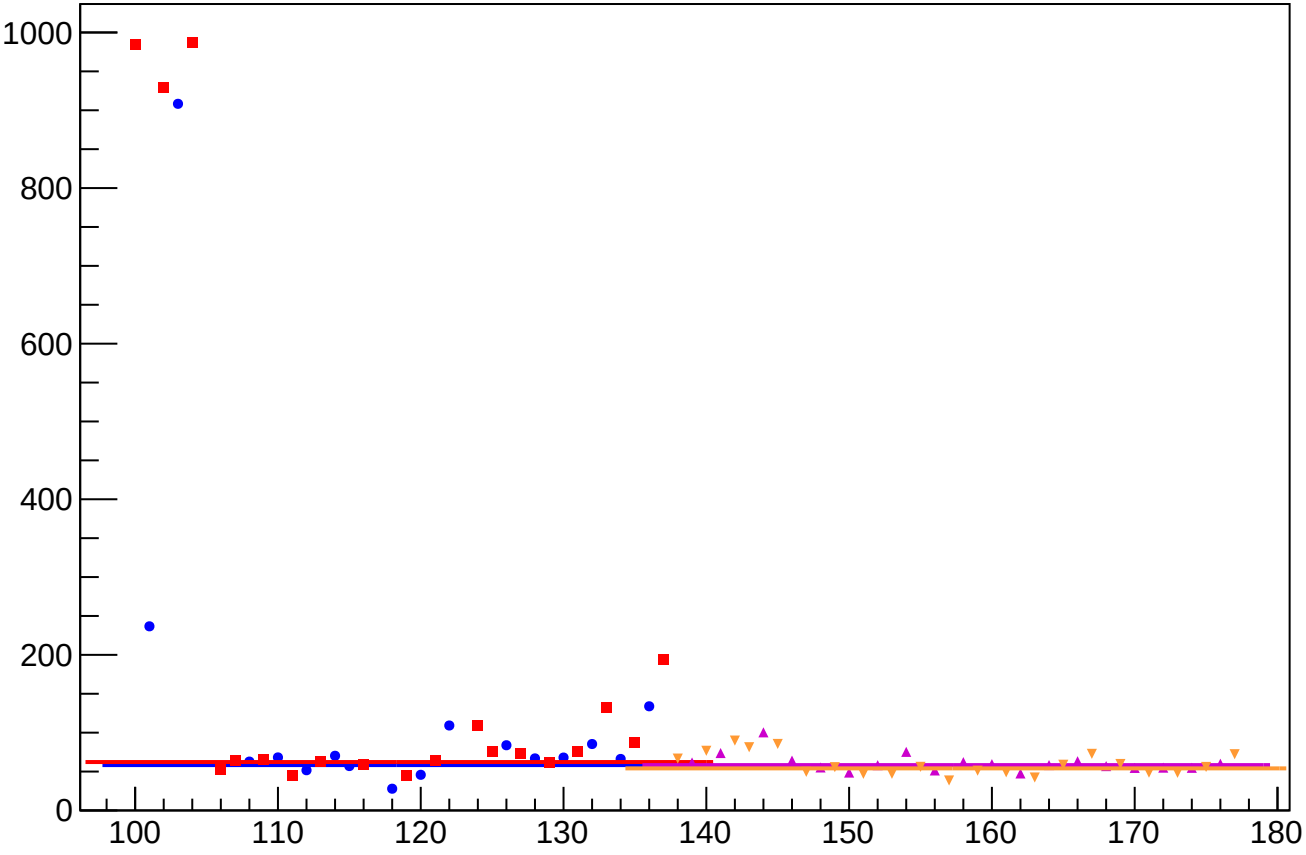
Left In: 0.003+/-0.016 χ^2/NDF:14.3/18

+ sign 0.007+/-0.013 χ^2/NDF: 35.5/36

All: 0.008+/-0.010 χ^2/NDF: 71.0/74

- sign 0.008+/-0.014 χ^2/NDF: 35.5/37

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.086+/-0.011 χ^2/NDF:1175205.9/20

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

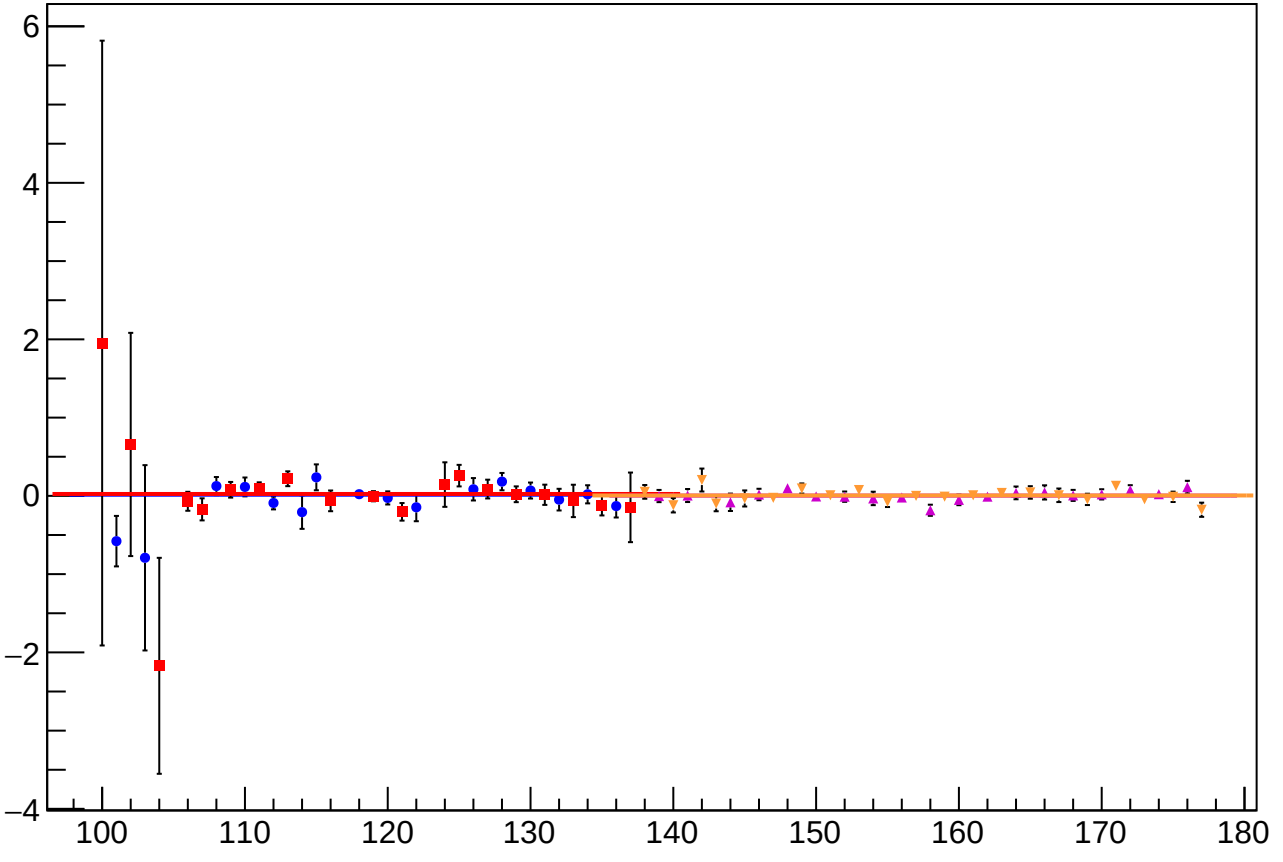
Left In: 58.297+/-0.011 χ^2/NDF:637659.5/18

\+ sign 55.041+/-0.009 χ^2/NDF: 4471316.8/36

All: 57.040+/-0.007 χ^2/NDF: 7862462.4/74

\- sign 59.281+/-0.010 χ^2/NDF: 3294308.6/37

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:20.4/20

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

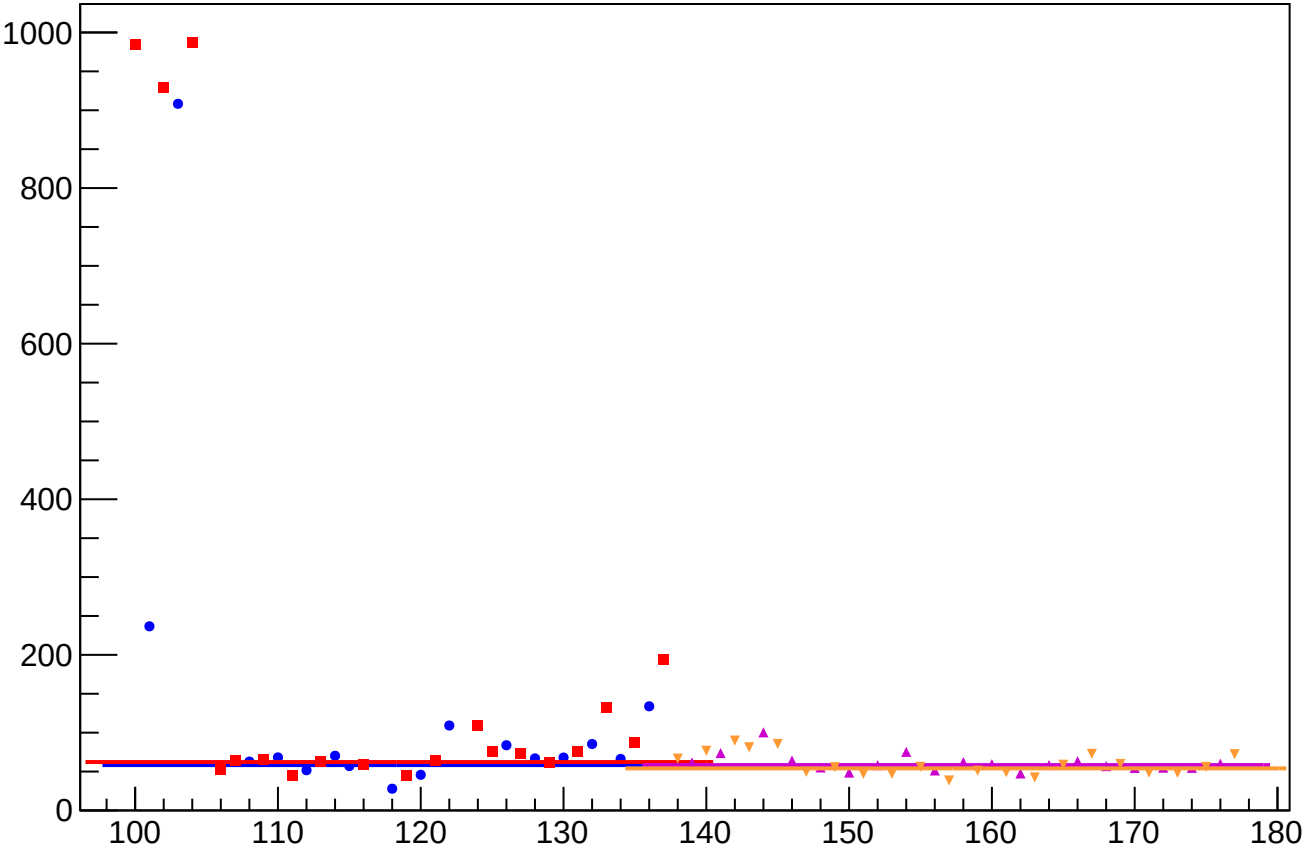
Left In: 0.003+/-0.016 χ^2/NDF:14.3/18

+ sign 0.007+/-0.013 χ^2/NDF: 35.5/36

All: 0.008+/-0.010 χ^2/NDF: 71.0/74

- sign 0.008+/-0.014 χ^2/NDF: 35.5/37

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.086+/-0.011 χ^2/NDF:1175205.9/20

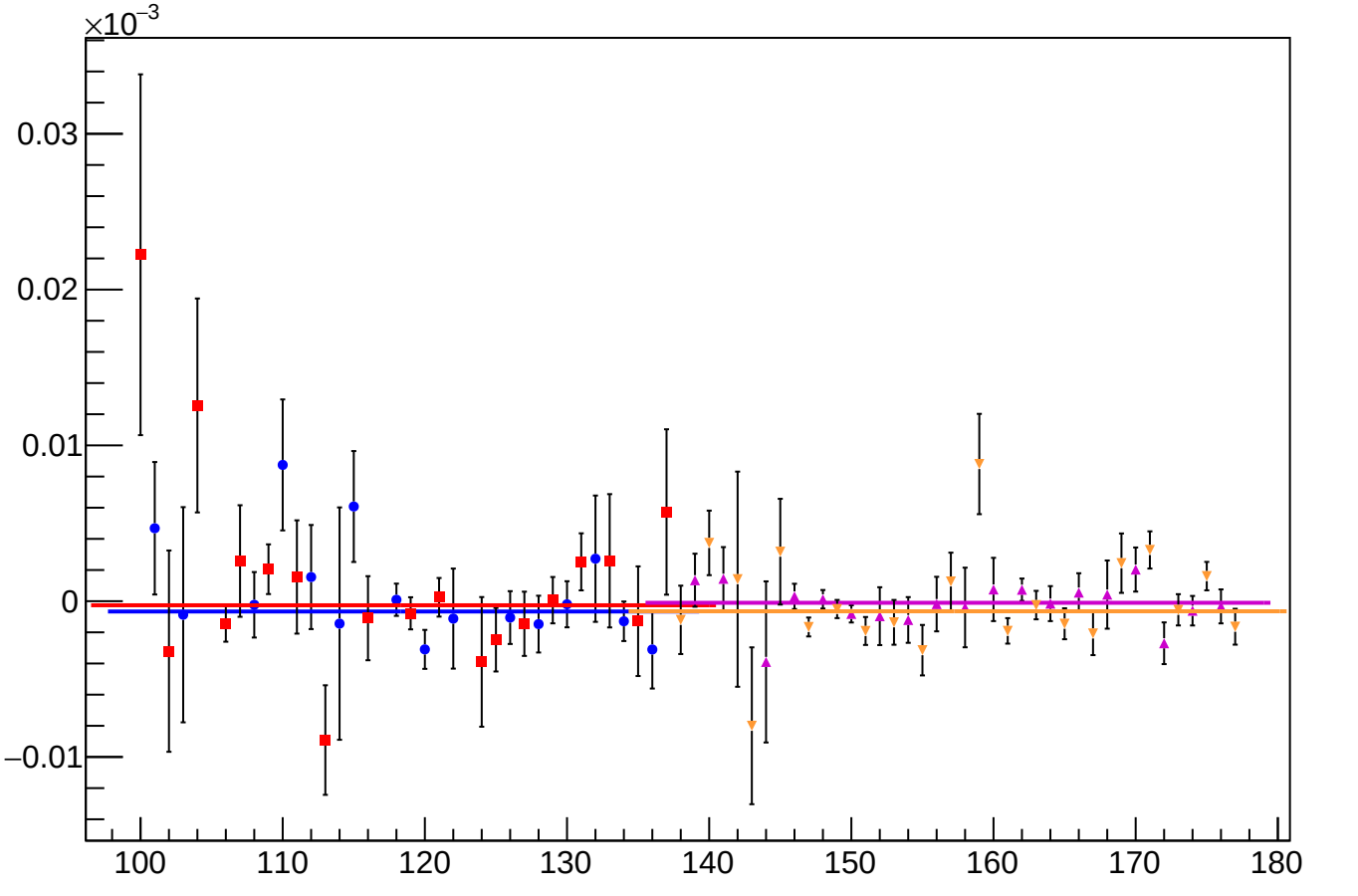
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.297+/-0.011 χ^2/NDF:637659.5/18

\+ sign 55.041+/-0.009 χ^2/NDF: 4471316.8/36

All: 57.040+/-0.007 χ^2/NDF: 7862462.4/74

\- sign 59.281+/-0.010 χ^2/NDF: 3294308.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

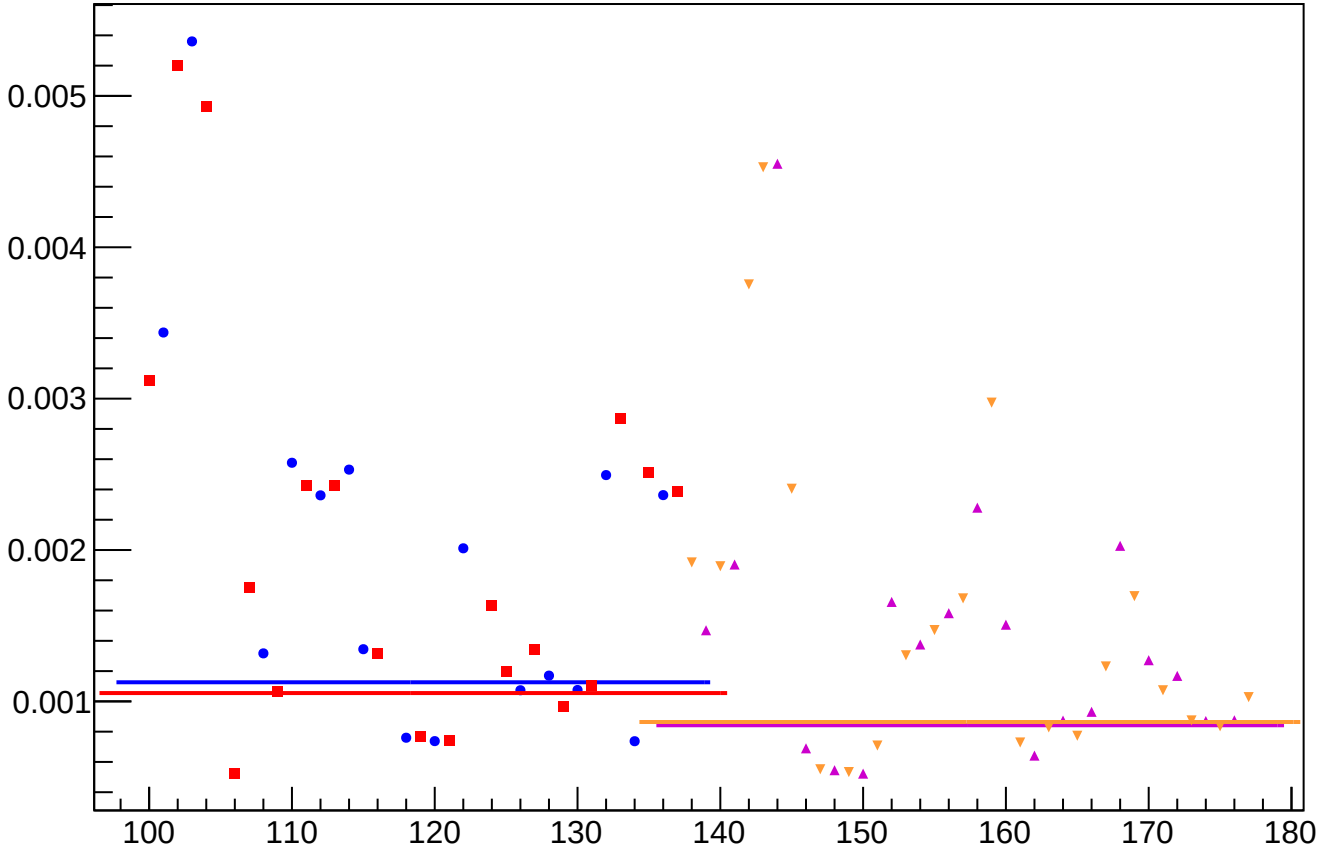
Left In: -0.000+/-0.000 χ^2/NDF:12.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/36

All: -0.000+/-0.000 χ^2/NDF: 107.4/74

- sign -0.000+/-0.000 χ^2/NDF: 37.6/37

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:6427677.1/20

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

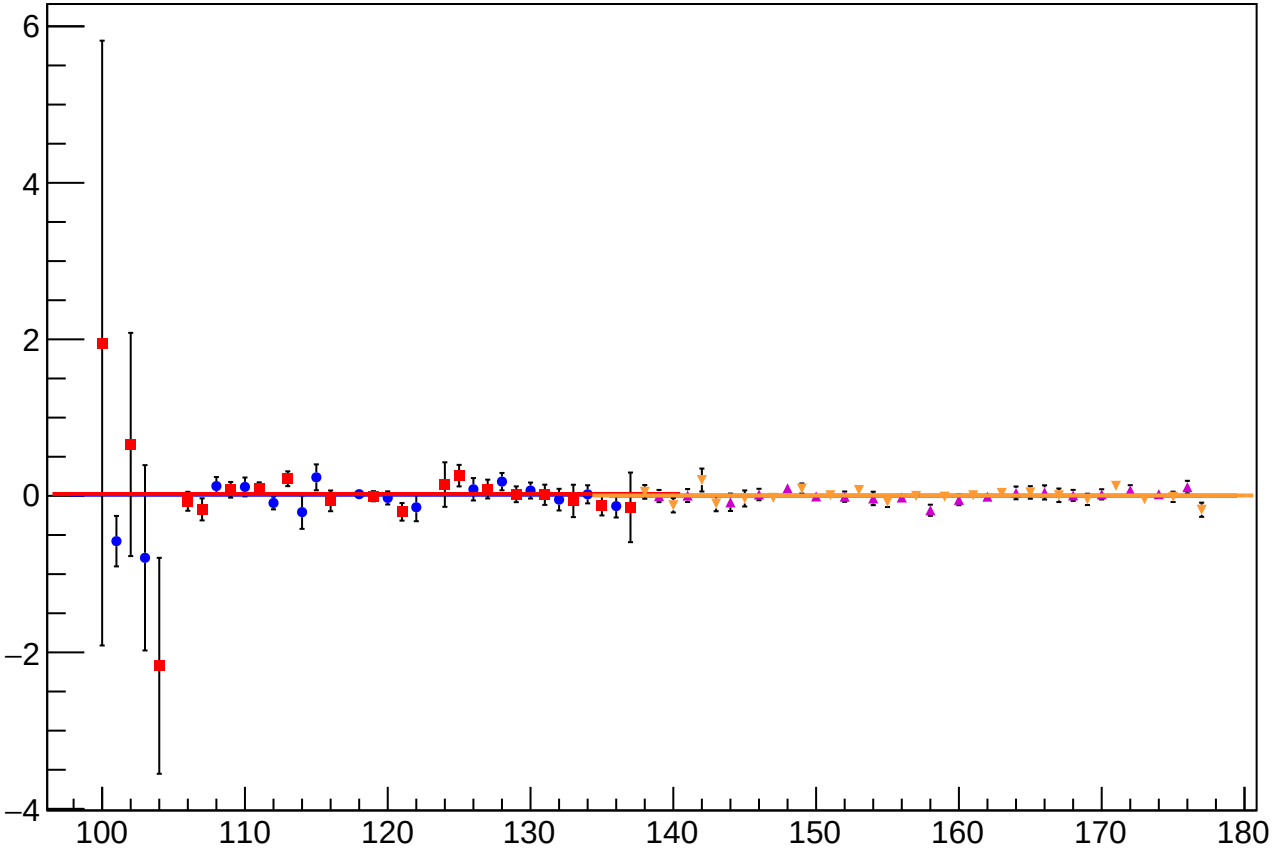
Left In: 0.001+/-0.000 χ^2/NDF:5998990.8/18

+ sign 0.001+/-0.000 χ^2/NDF: 10340860.6/36

All: 0.001+/-0.000 χ^2/NDF: 20529301.0/74

- sign 0.001+/-0.000 χ^2/NDF: 10173804.7/37

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:20.4/20

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

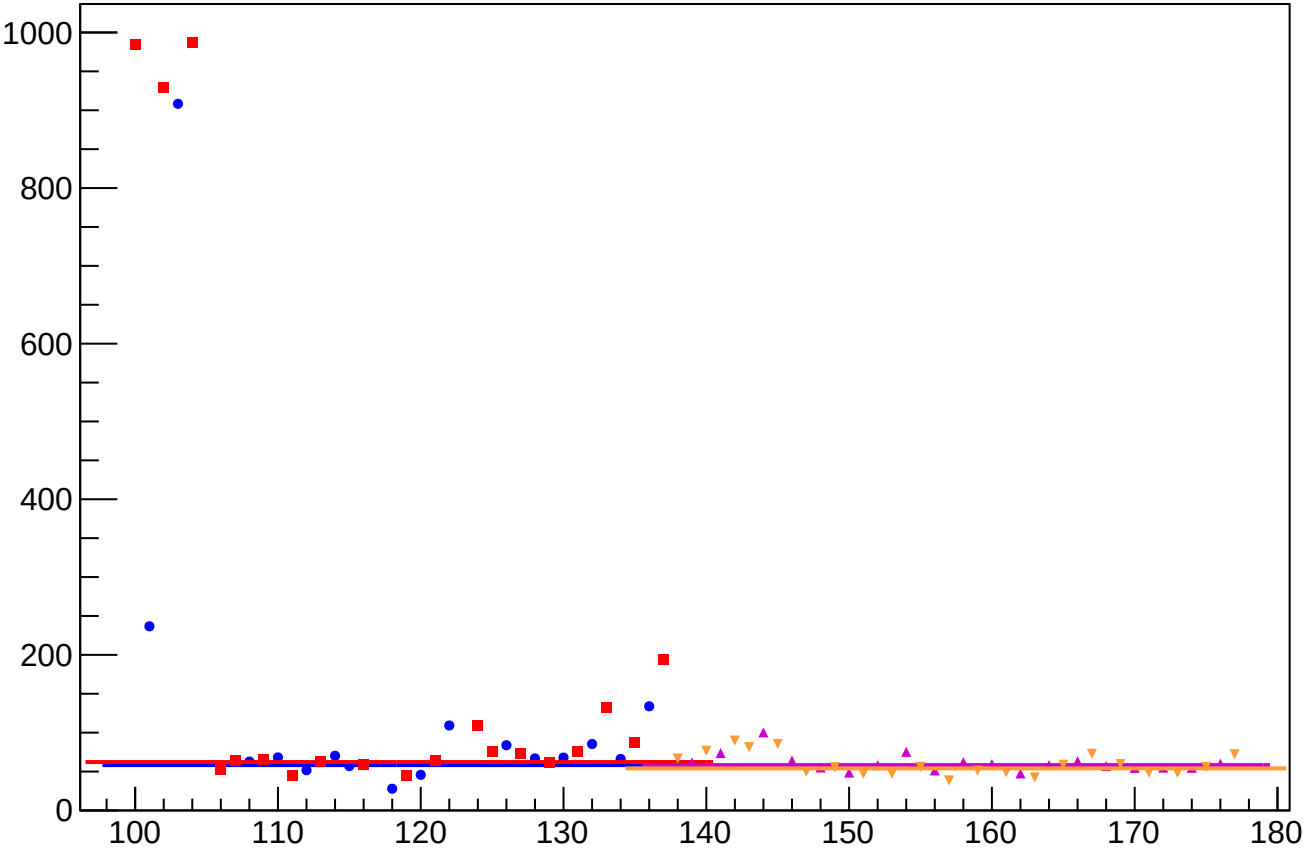
Left In: 0.003+/-0.016 χ^2/NDF:14.3/18

\+ sign 0.007+/-0.013 χ^2/NDF: 35.5/36

All: 0.008+/-0.010 χ^2/NDF: 71.0/74

\- sign 0.008+/-0.014 χ^2/NDF: 35.5/37

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.085+/-0.011 χ^2/NDF:1175275.4/20

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

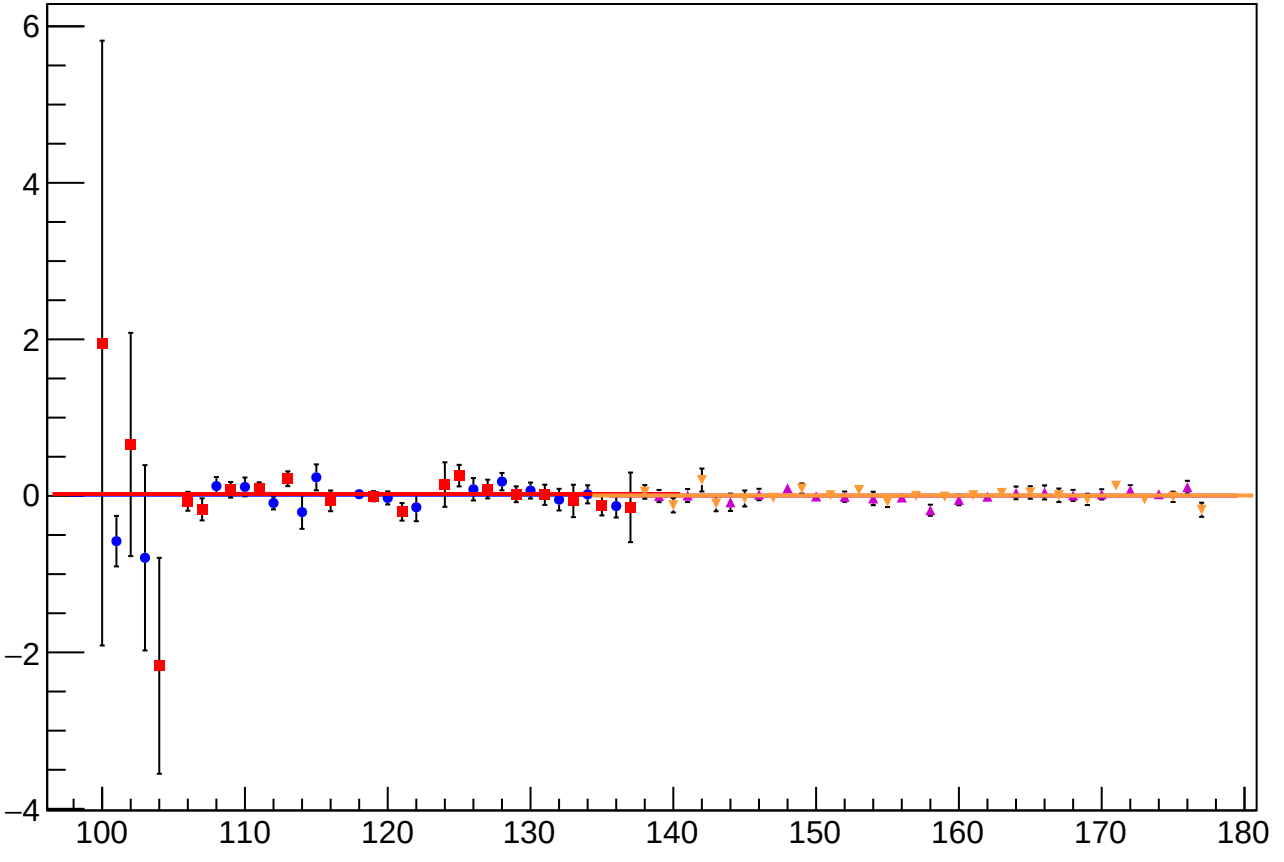
Left In: 58.297+/-0.011 χ^2/NDF:637682.3/18

+ sign 55.040+/-0.009 χ^2/NDF: 4471460.5/36

All: 57.039+/-0.007 χ^2/NDF: 7862643.4/74

- sign 59.281+/-0.010 χ^2/NDF: 3294320.4/37

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:20.4/20

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

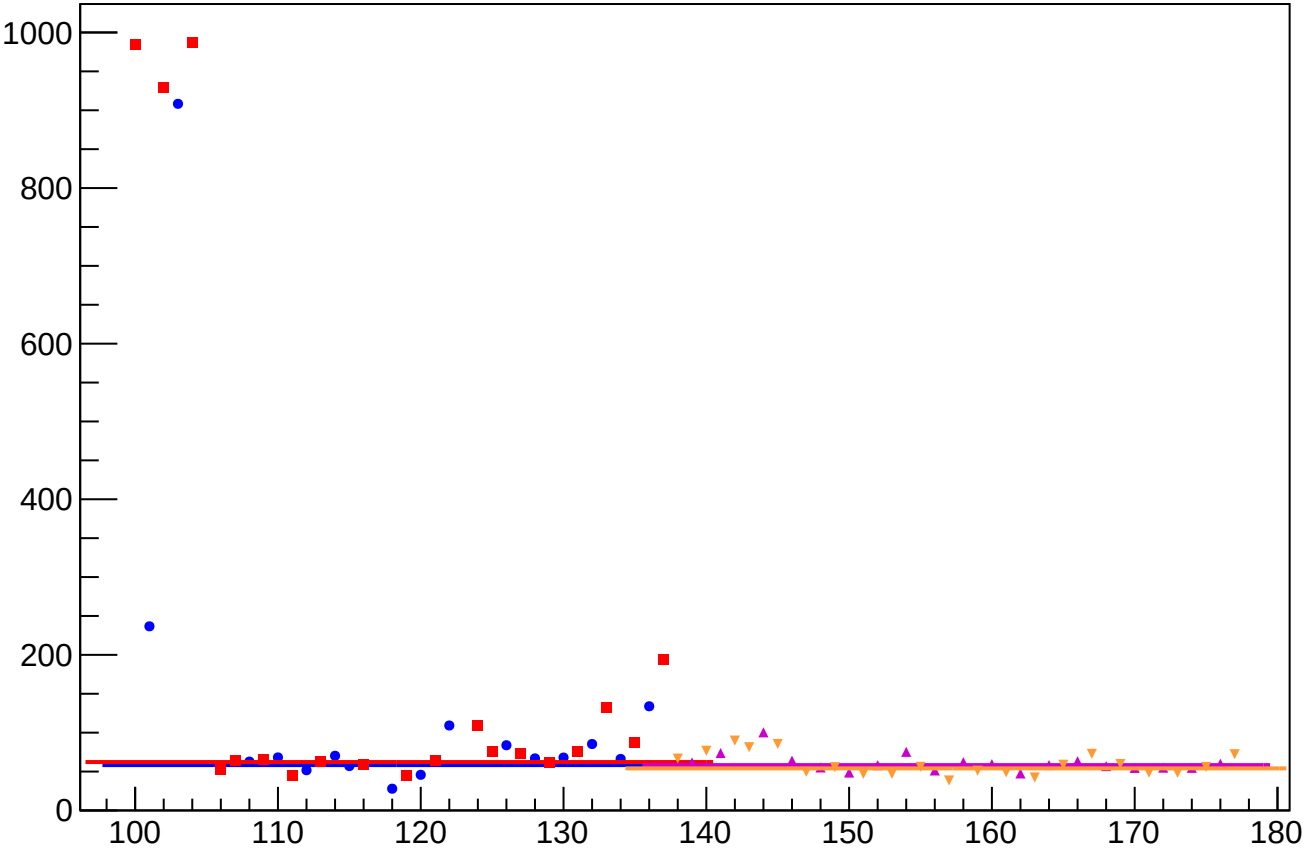
Left In: 0.003+/-0.016 χ^2/NDF:14.3/18

+ sign 0.007+/-0.013 χ^2/NDF: 35.5/36

All: 0.008+/-0.010 χ^2/NDF: 71.0/74

- sign 0.008+/-0.014 χ^2/NDF: 35.5/37

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: 54.085+/-0.011 χ^2/NDF:1175275.4/20

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

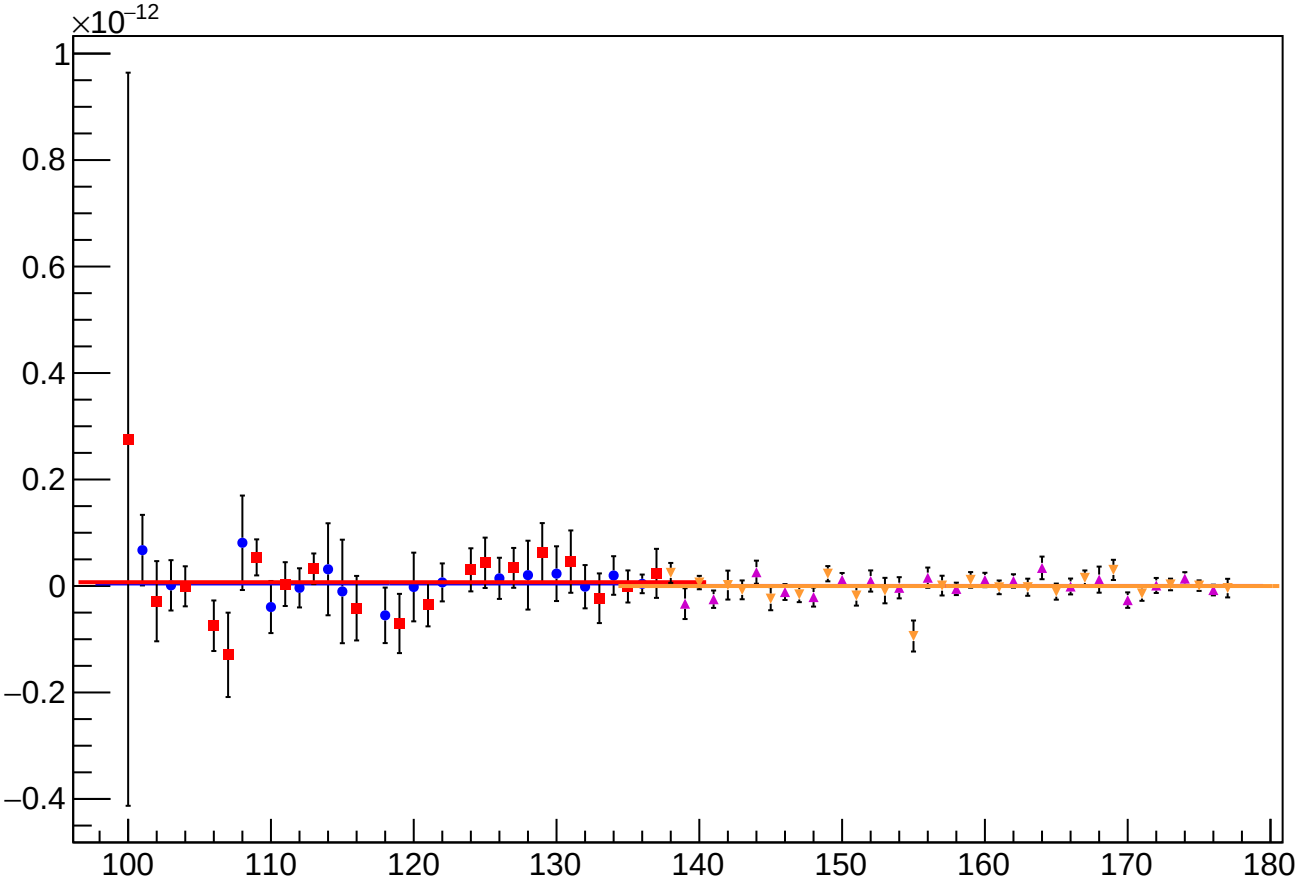
Left In: 58.297+/-0.011 χ^2/NDF:637682.3/18

\+ sign 55.040+/-0.009 χ^2/NDF: 4471460.5/36

All: 57.039+/-0.007 χ^2/NDF: 7862643.4/74

\- sign 59.281+/-0.010 χ^2/NDF: 3294320.4/37

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:24.6/20

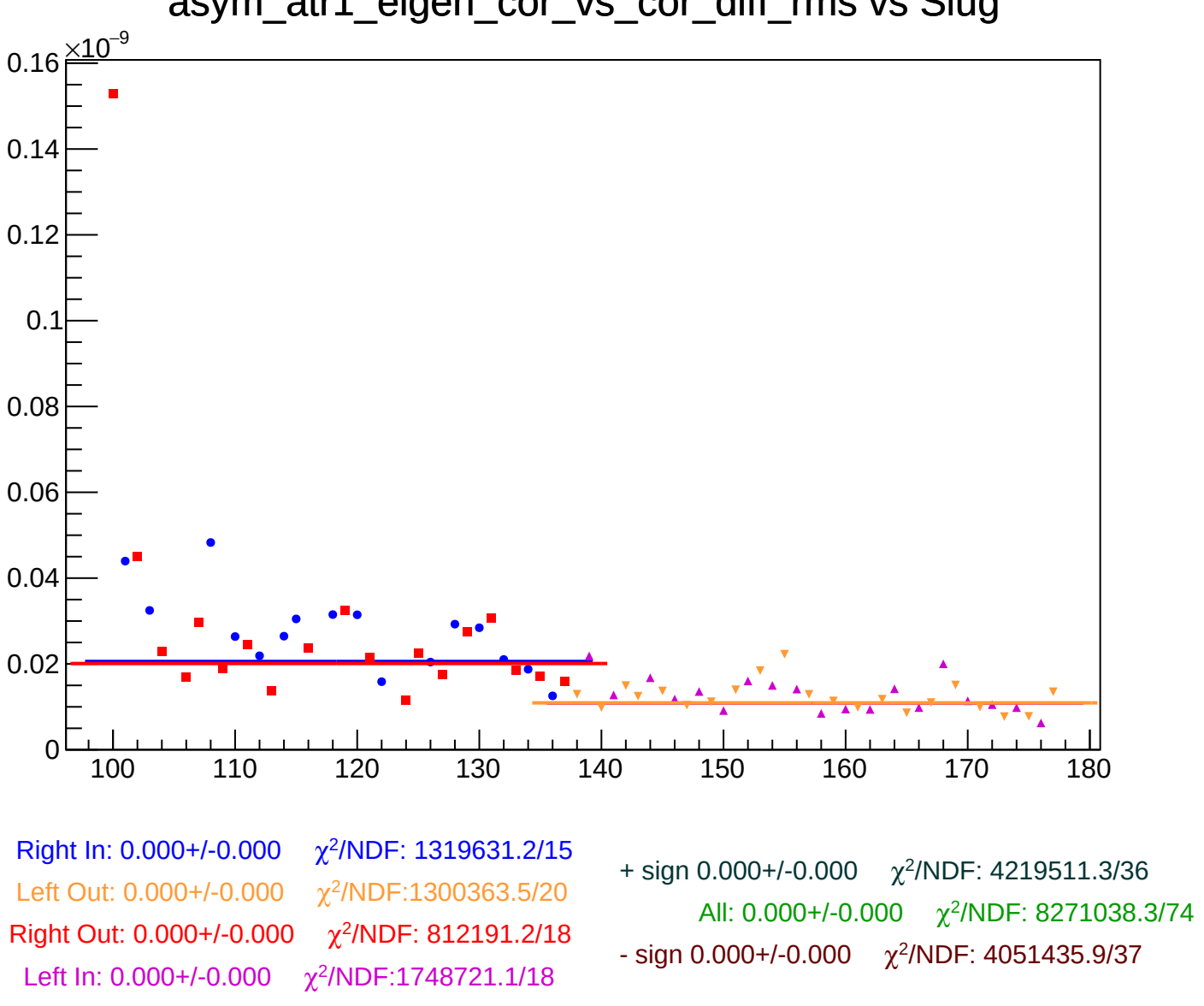
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

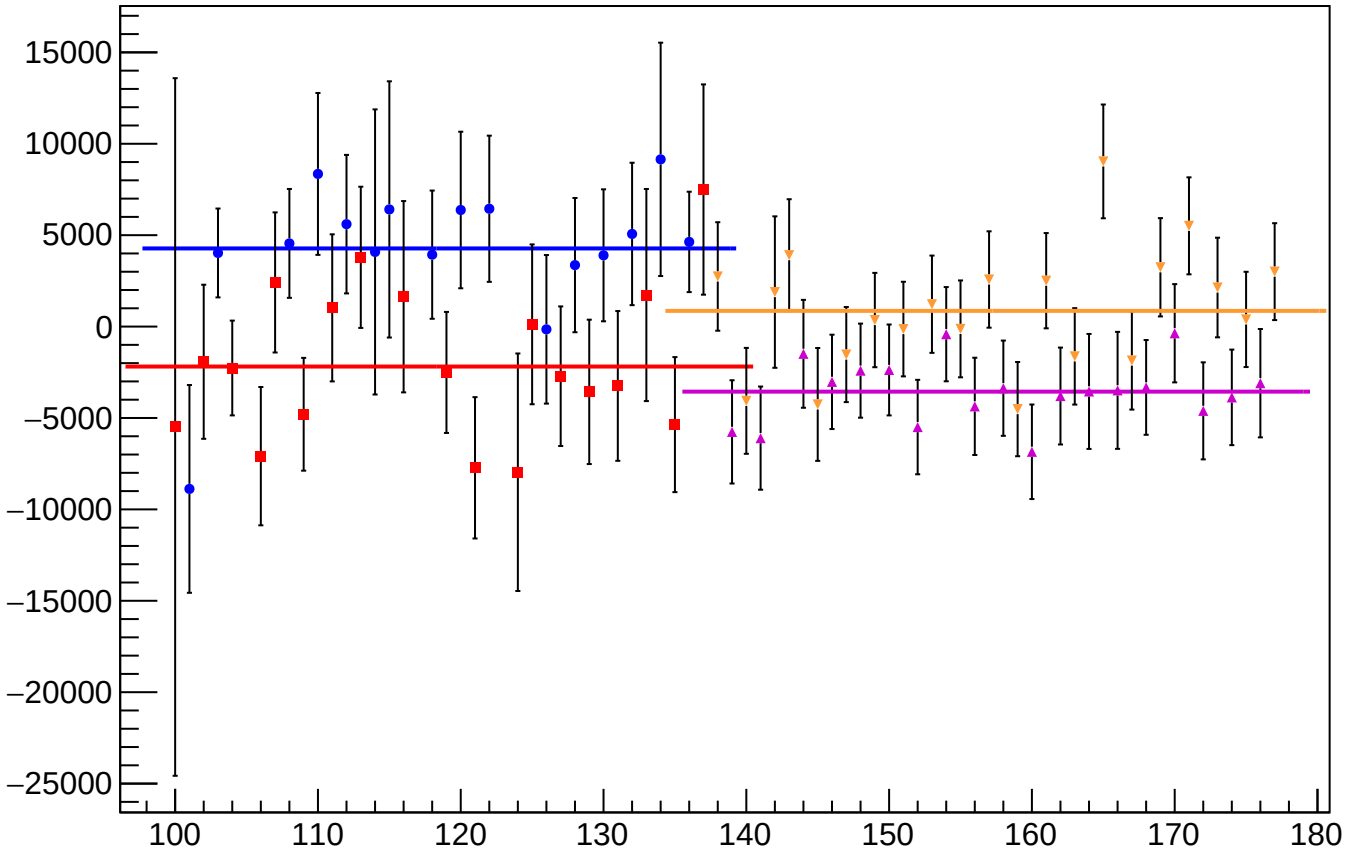
Left In: 0.000+/-0.000 χ^2/NDF:18.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/36

All: 0.000+/-0.000 χ^2/NDF: 64.0/74

- sign 0.000+/-0.000 χ^2/NDF: 34.8/37


asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1319631.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1300363.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 812191.2/18
Left In: 0.000+/-0.000 χ²/NDF:1748721.1/18
+ sign 0.000+/-0.000 χ²/NDF: 4219511.3/36
All: 0.000+/-0.000 χ²/NDF: 8271038.3/74
- sign 0.000+/-0.000 χ²/NDF: 4051435.9/37



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 858.950+/-601.250 χ^2/NDF:27.0/20

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

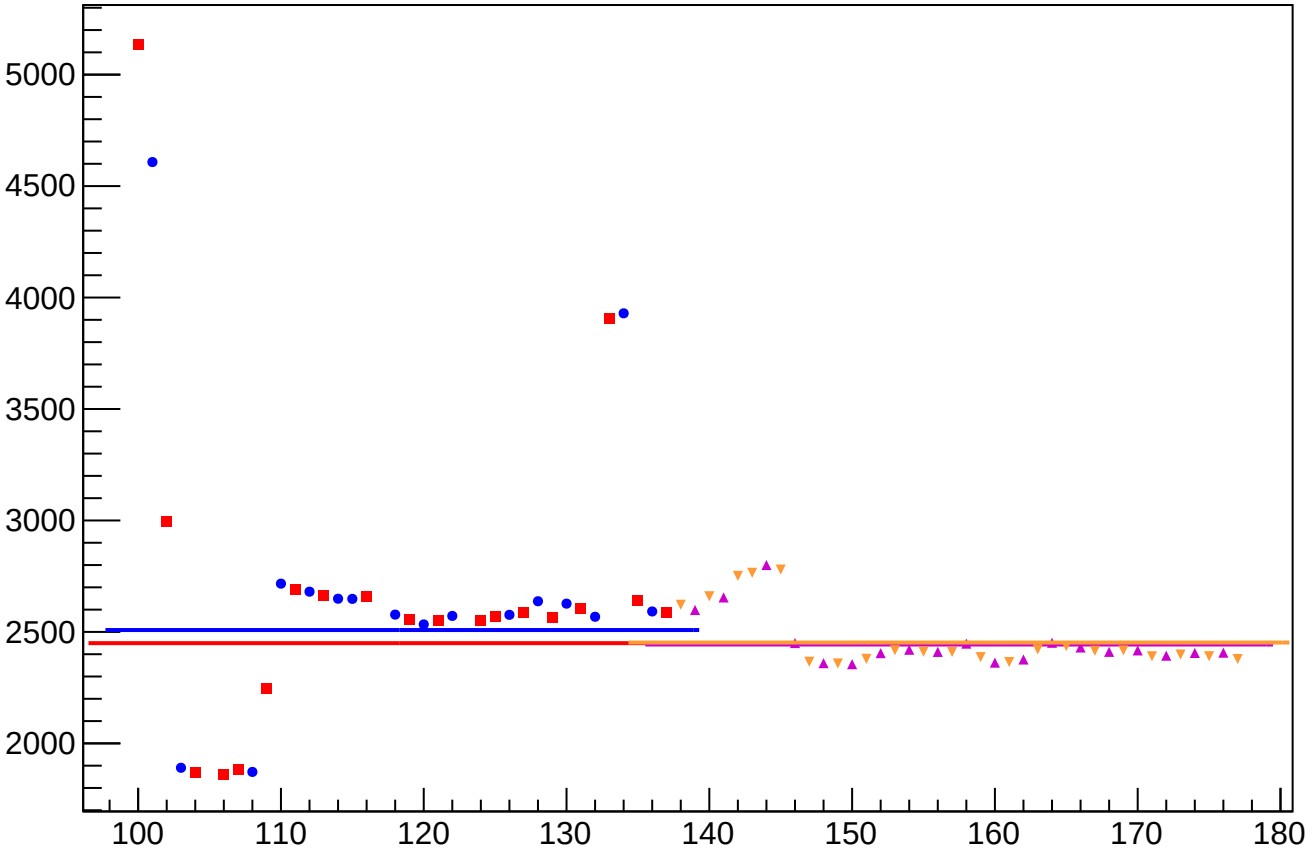
Left In: -3558.829+/-620.402 χ^2/NDF:7.8/18

+ sign 1832.893+/-508.347 χ^2/NDF: 45.1/36

All: -618.088+/-361.695 χ^2/NDF: 116.3/74

- sign -3131.117+/-514.741 χ^2/NDF: 24.1/37

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2452.378+/-0.425 χ^2/NDF:87496.7/20

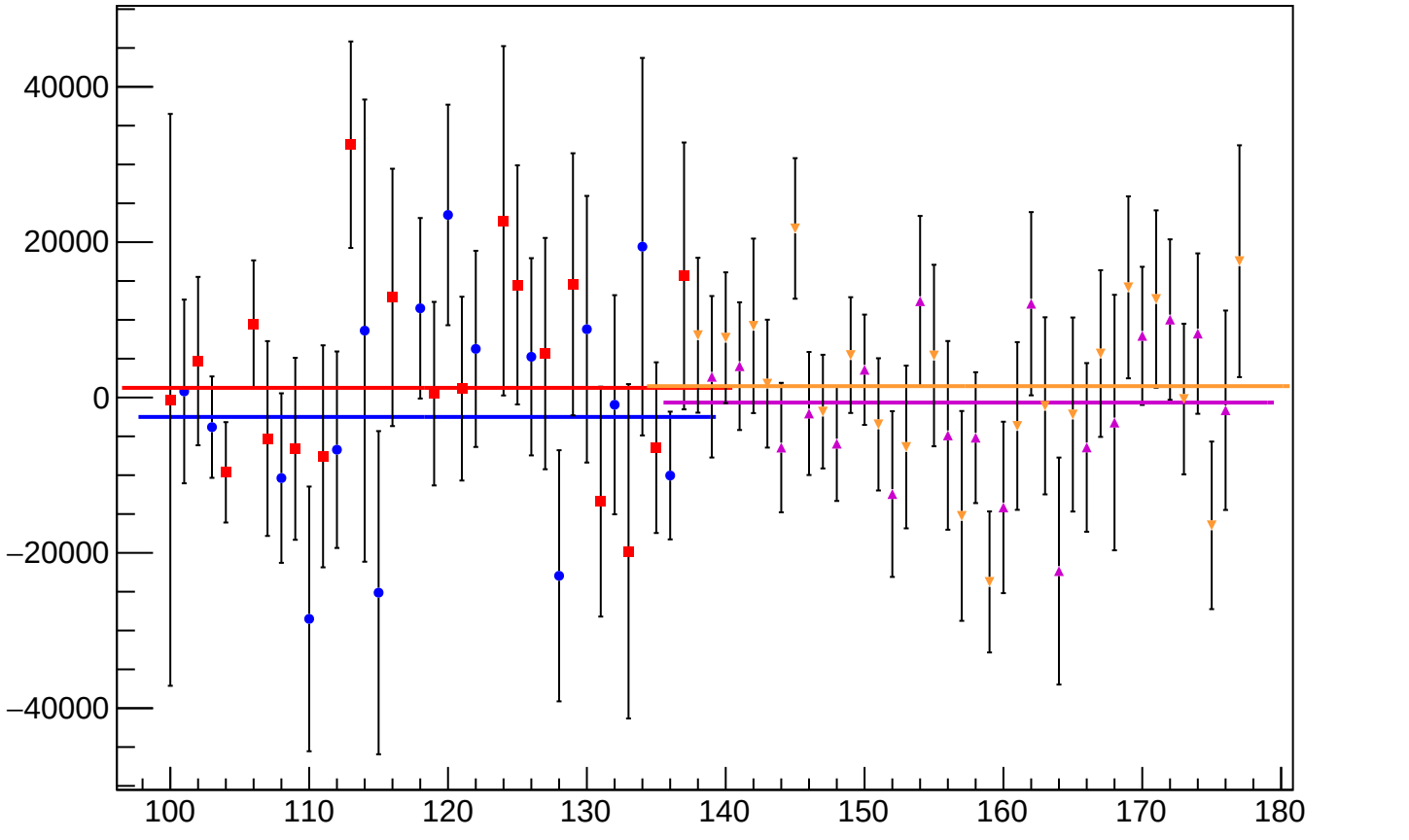
Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

+ sign 2468.372+/-0.359 χ^2/NDF: 704049.5/36

All: 2457.038+/-0.256 χ^2/NDF: 1200278.9/74

- sign 2445.416+/-0.364 χ^2/NDF: 494215.7/37



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1463.134+/-2163.545 χ^2/NDF:23.8/20

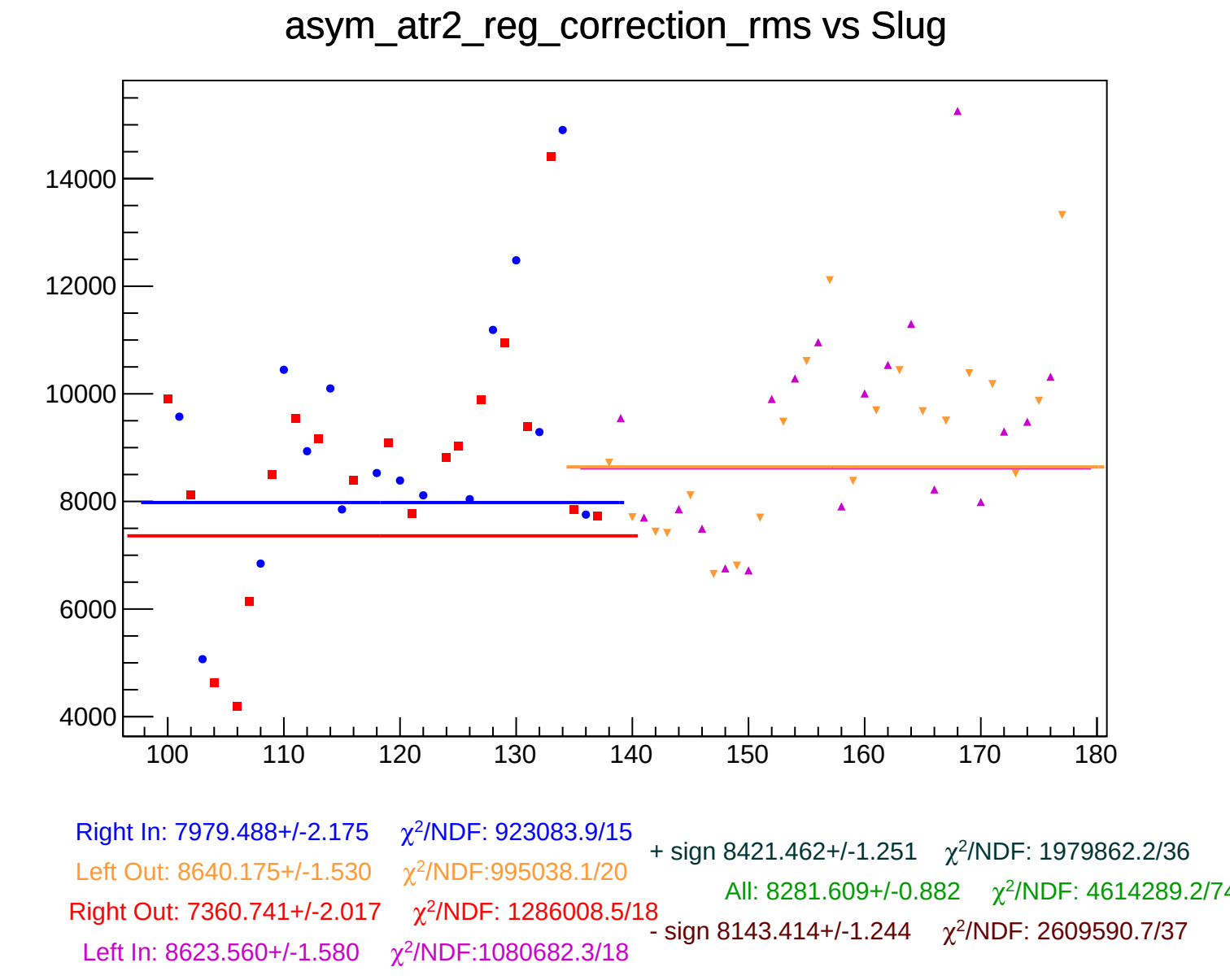
Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

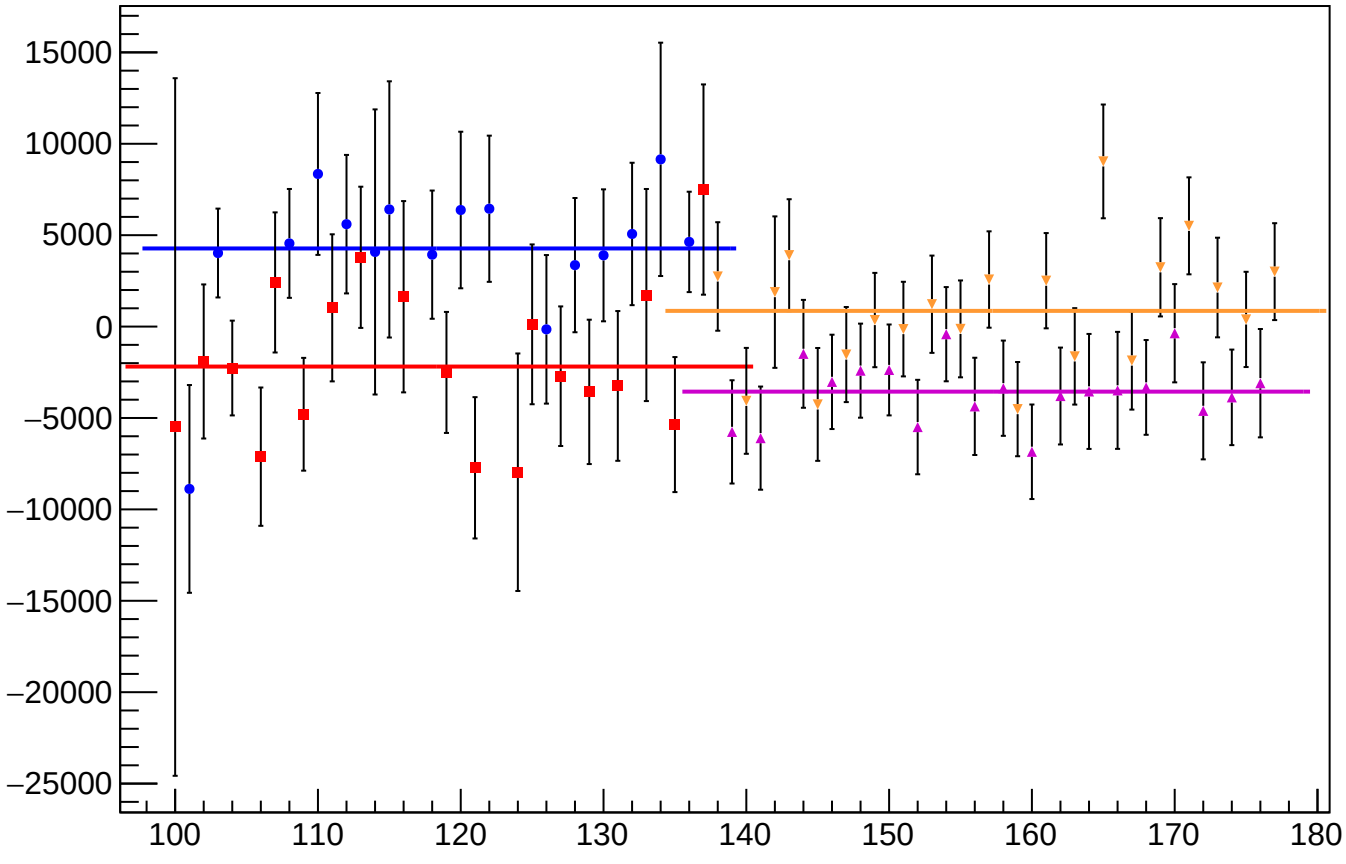
Left In: -651.228+/-2234.388 χ^2/NDF:12.8/18

+ sign 150.983+/-1769.565 χ^2/NDF: 38.7/36

All: 110.001+/-1247.537 χ^2/NDF: 68.3/74

- sign 69.505+/-1759.050 χ^2/NDF: 29.6/37


asym_atr2_reg_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8640.175+/-1.530 χ²/NDF:995038.1/20
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8623.560+/-1.580 χ²/NDF:1080682.3/18
+ sign 8421.462+/-1.251 χ²/NDF: 1979862.2/36
All: 8281.609+/-0.882 χ²/NDF: 4614289.2/74
- sign 8143.414+/-1.244 χ²/NDF: 2609590.7/37



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 858.808+/-601.250 χ^2/NDF:27.0/20

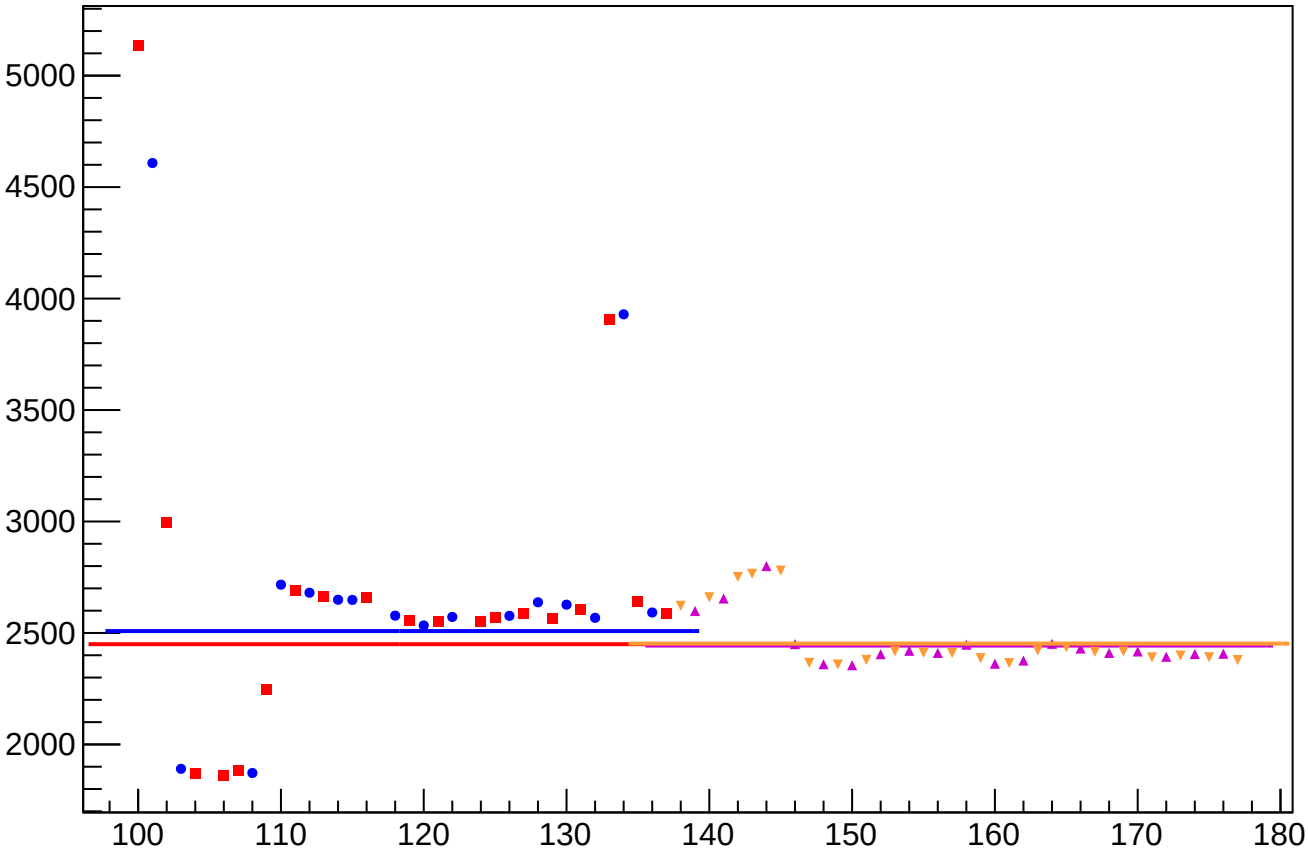
Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: -3558.701+/-620.402 χ^2/NDF:7.8/18

+ sign 1832.651+/-508.347 χ^2/NDF: 45.1/36

All: -618.259+/-361.695 χ^2/NDF: 116.3/74

- sign -3131.228+/-514.742 χ^2/NDF: 24.1/37



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2452.378+/-0.425 χ^2/NDF:87496.7/20

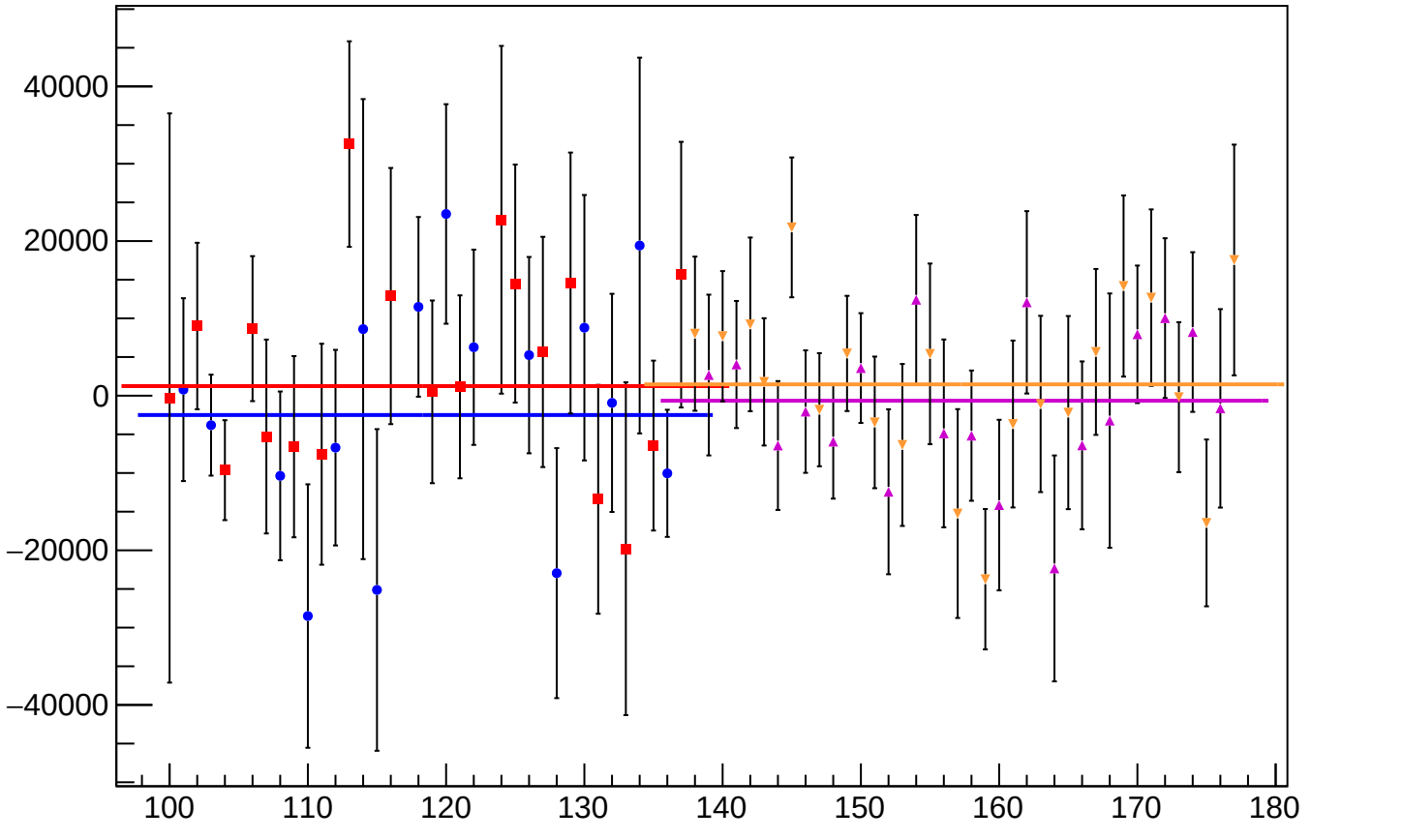
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

+ sign 2468.372+/-0.359 χ^2/NDF: 704047.4/36

All: 2457.041+/-0.256 χ^2/NDF: 1200221.7/74

- sign 2445.424+/-0.364 χ^2/NDF: 494161.8/37



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1463.145+/-2163.542 χ^2/NDF:23.8/20

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

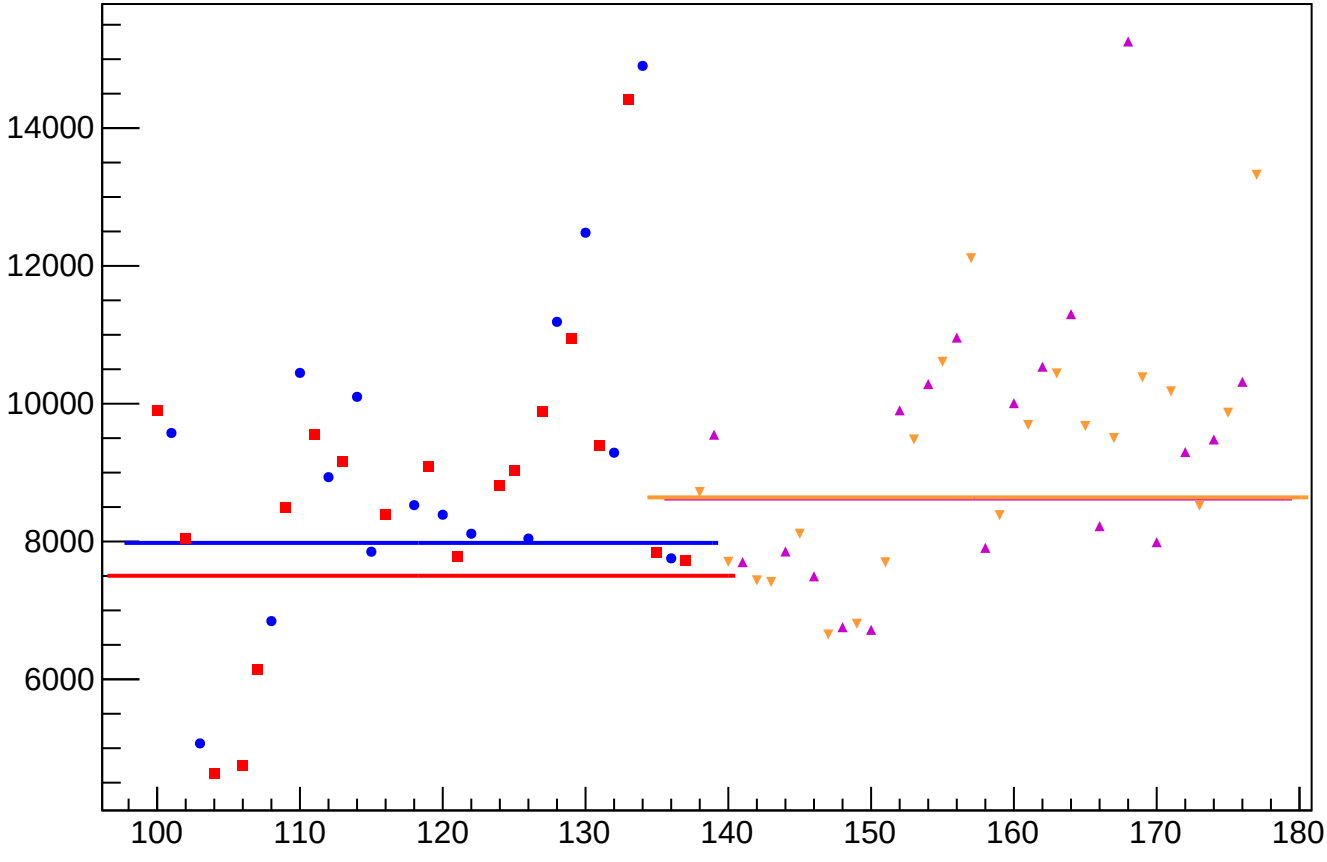
Left In: -651.256+/-2234.387 χ^2/NDF:12.8/18

+ sign 151.117+/-1769.580 χ^2/NDF: 38.7/36

All: 103.130+/-1250.890 χ^2/NDF: 68.4/74

- sign 55.202+/-1768.472 χ^2/NDF: 29.7/37

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8640.161+/-1.530 χ^2/NDF:995045.8/20

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

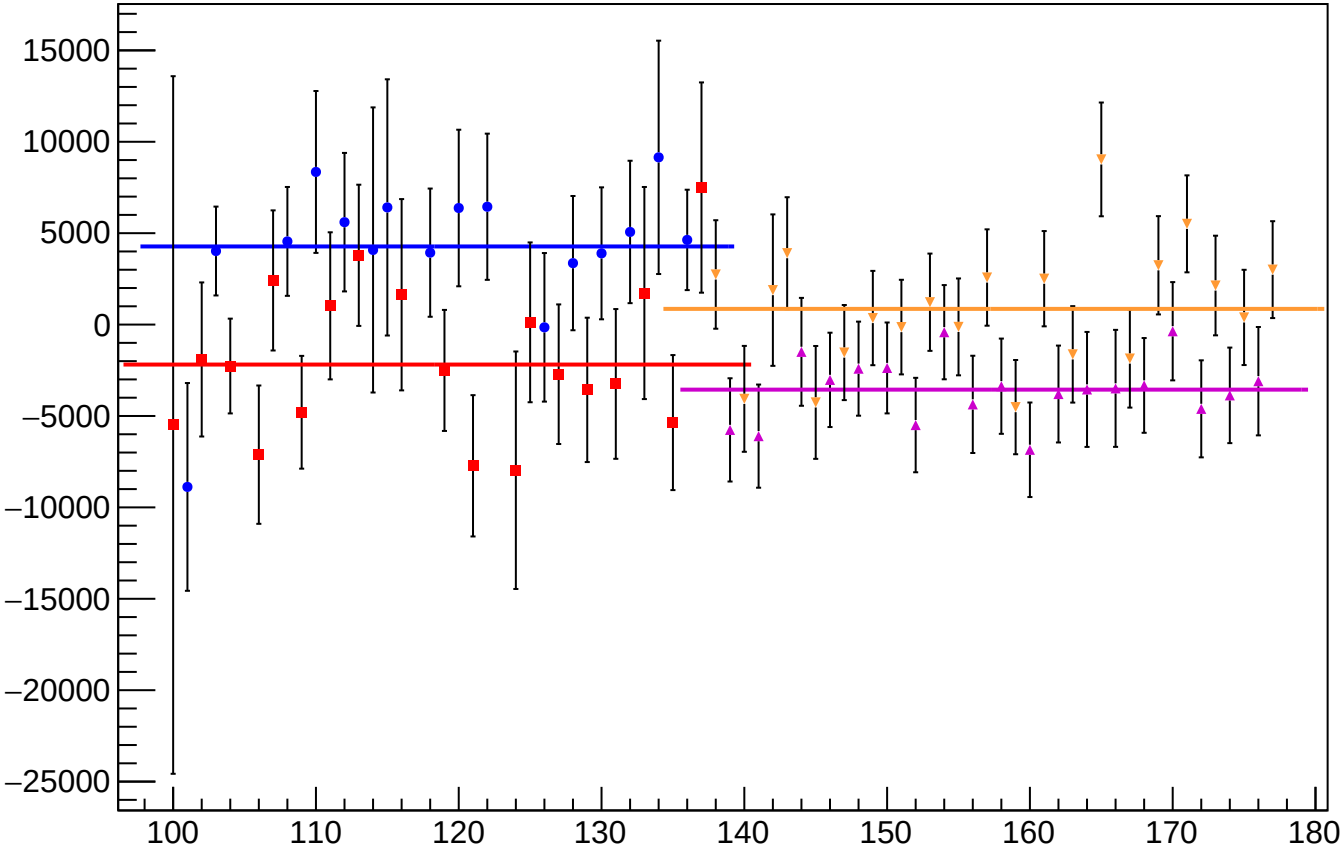
Left In: 8623.557+/-1.580 χ^2/NDF:1080685.4/18

+ sign 8421.569+/-1.251 χ^2/NDF: 1979506.0/36

All: 8313.139+/-0.885 χ^2/NDF: 4398735.6/74

- sign 8204.844+/-1.250 χ^2/NDF: 2404220.7/37

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 858.808+/-601.250 χ^2/NDF:27.0/20

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

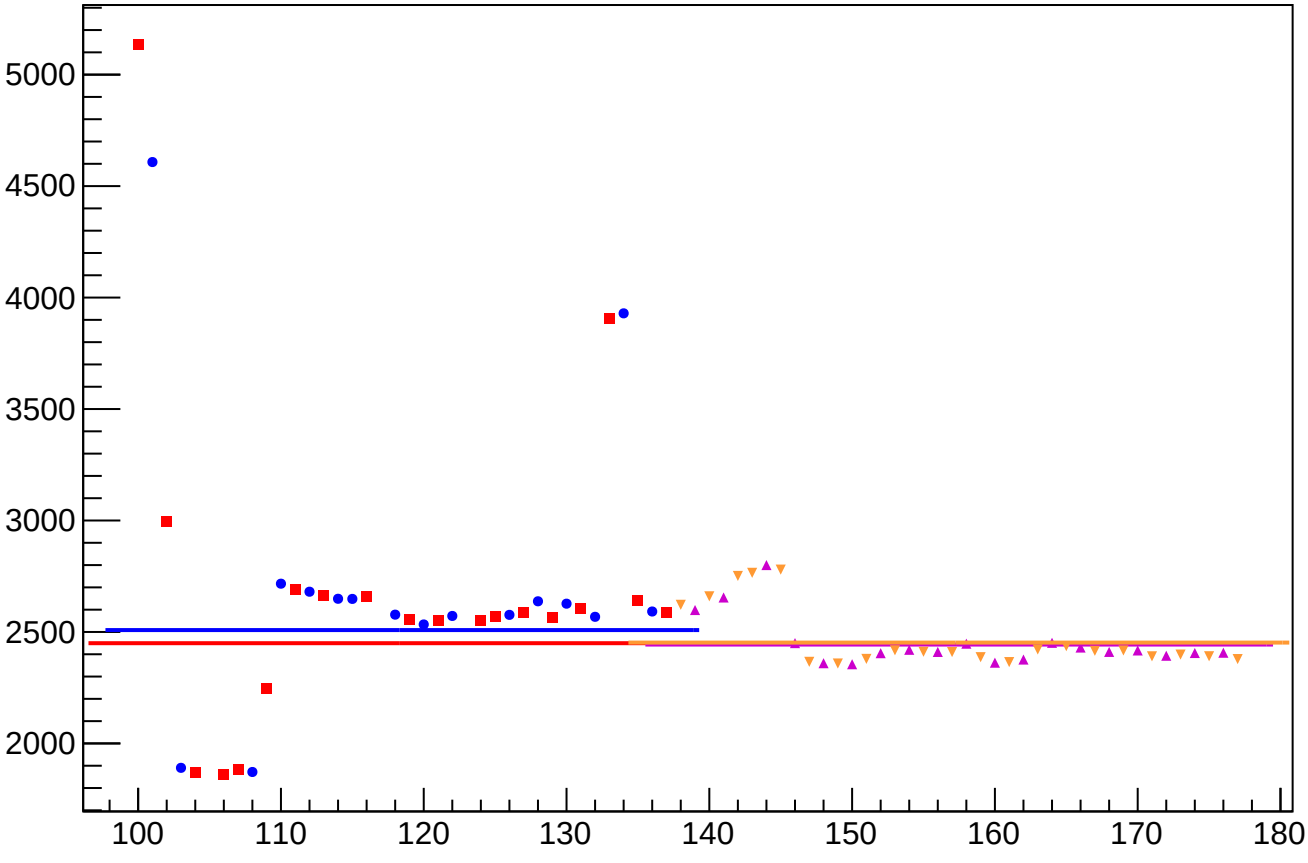
Left In: -3558.701+/-620.402 χ^2/NDF:7.8/18

+ sign 1832.651+/-508.347 χ^2/NDF: 45.1/36

All: -618.259+/-361.695 χ^2/NDF: 116.3/74

- sign -3131.228+/-514.742 χ^2/NDF: 24.1/37

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2452.378+/-0.425 χ^2/NDF:87496.7/20

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

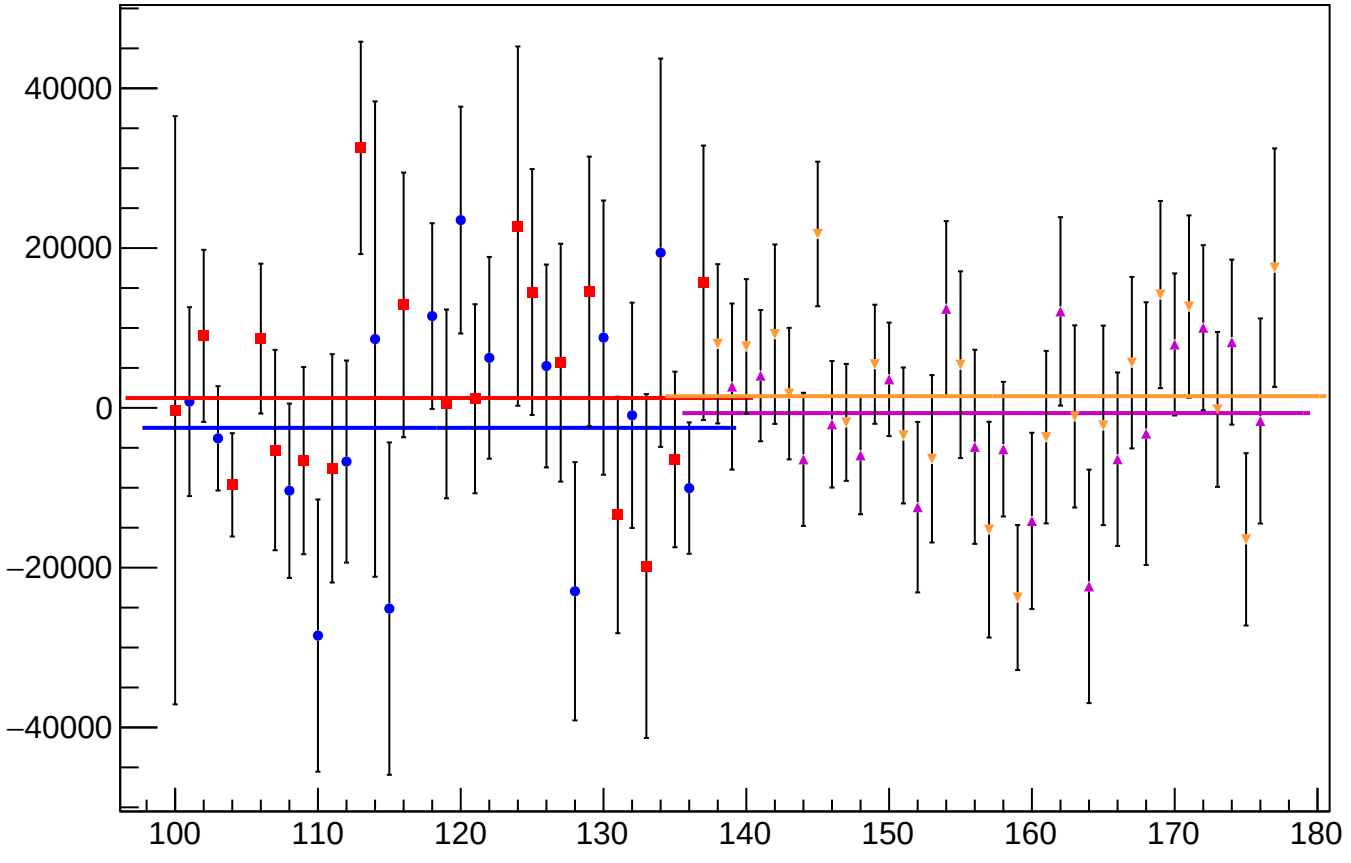
Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

+ sign 2468.372+/-0.359 χ^2/NDF: 704047.4/36

All: 2457.041+/-0.256 χ^2/NDF: 1200221.7/74

- sign 2445.424+/-0.364 χ^2/NDF: 494161.8/37

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1463.145+/-2163.542 χ^2/NDF:23.8/20

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

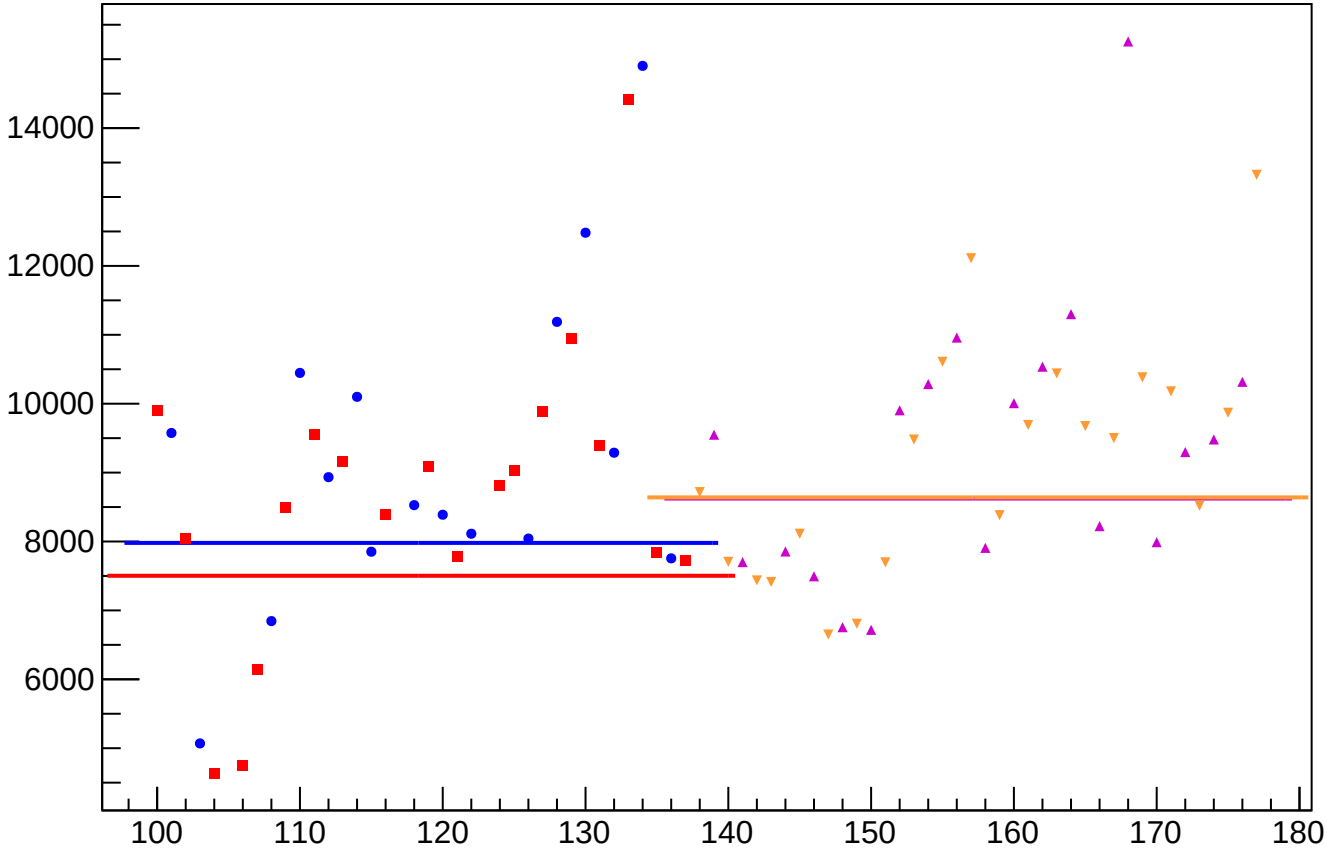
Left In: -651.256+/-2234.387 χ^2/NDF:12.8/18

+ sign 151.117+/-1769.580 χ^2/NDF: 38.7/36

All: 103.130+/-1250.890 χ^2/NDF: 68.4/74

- sign 55.202+/-1768.472 χ^2/NDF: 29.7/37

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8640.161+/-1.530 χ^2/NDF:995045.8/20

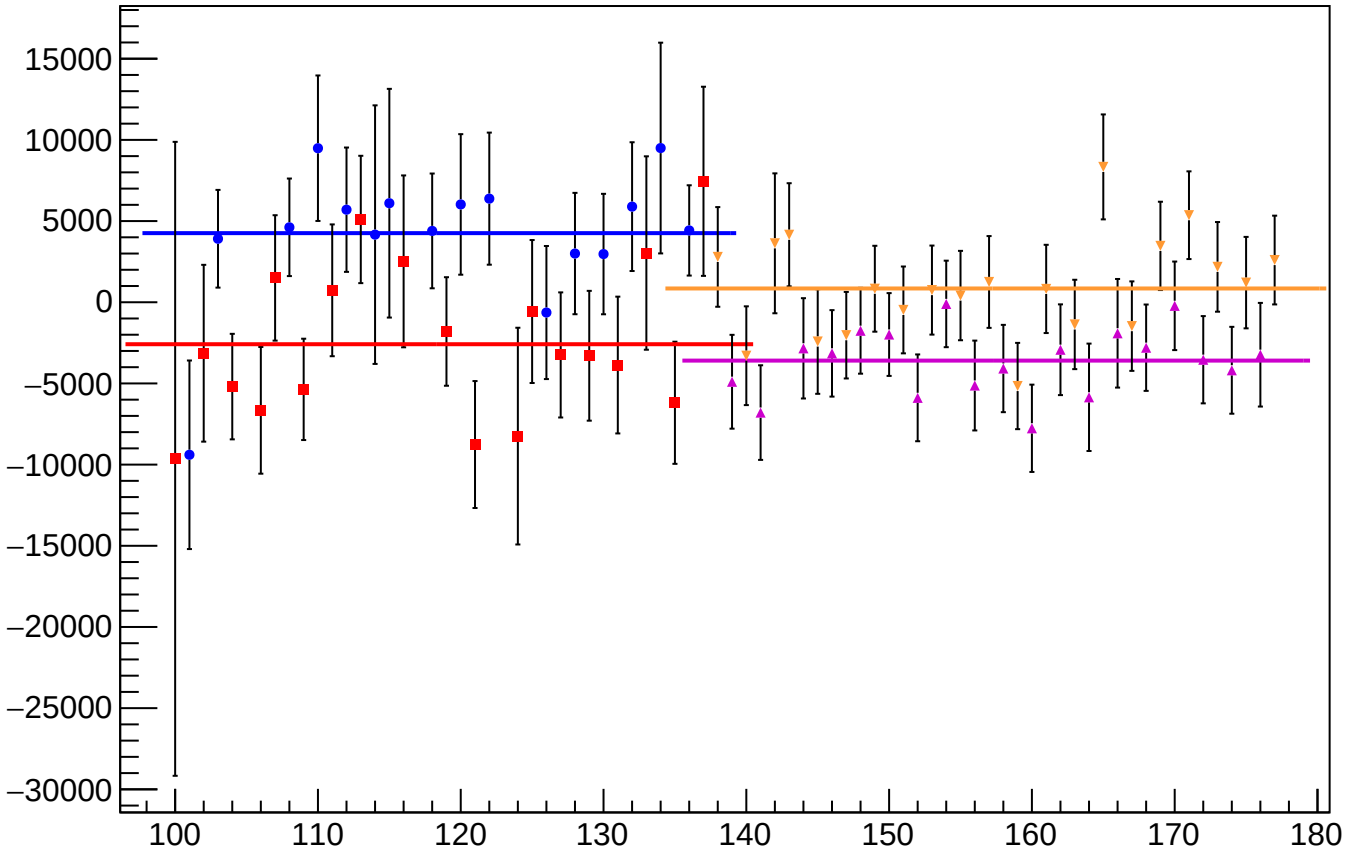
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8623.557+/-1.580 χ^2/NDF:1080685.4/18

+ sign 8421.569+/-1.251 χ^2/NDF: 1979506.0/36

All: 8313.139+/-0.885 χ^2/NDF: 4398735.6/74

- sign 8204.844+/-1.250 χ^2/NDF: 2404220.7/37



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 848.551+/-622.923 χ^2/NDF:22.5/20

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

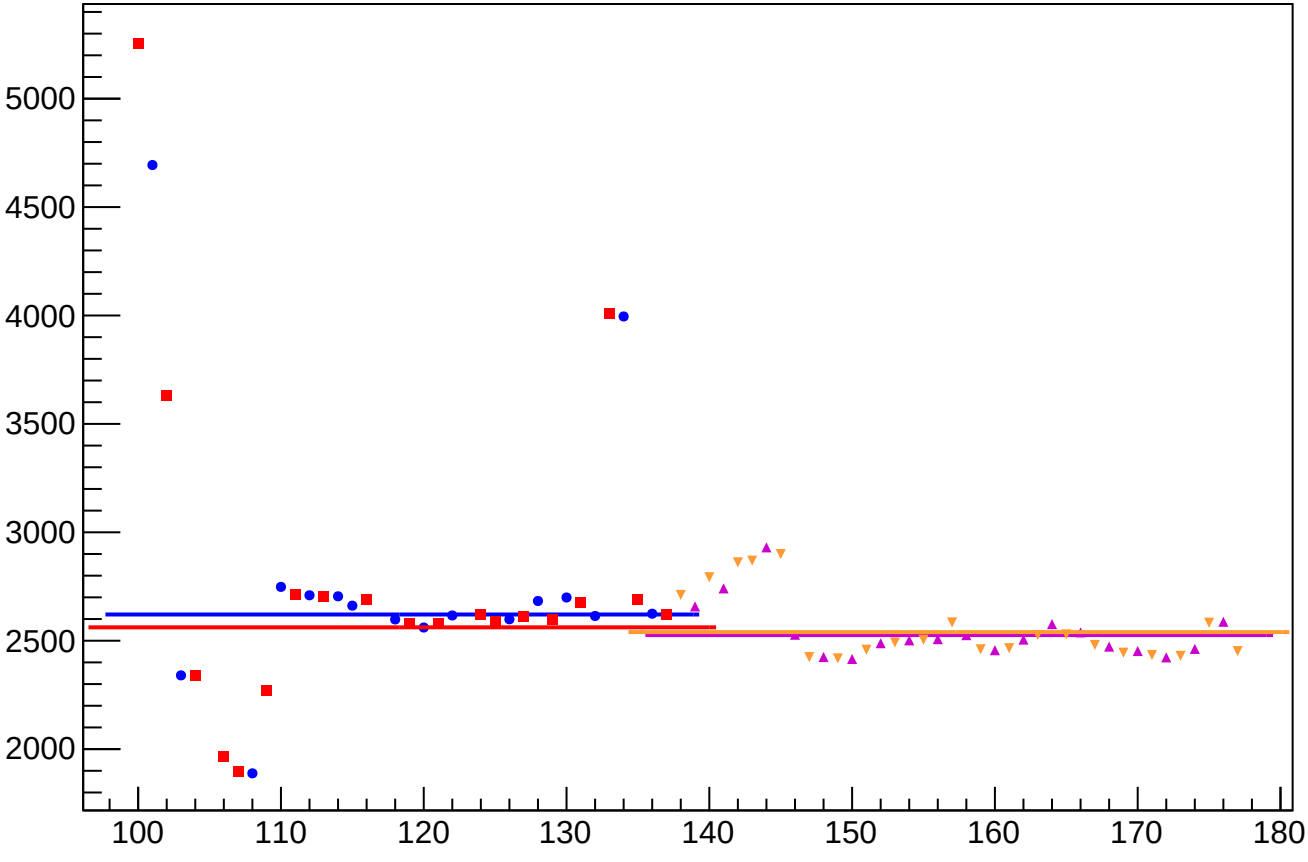
Left In: -3593.750+/-641.571 χ^2/NDF:10.0/18

+ sign 1814.500+/-527.318 χ^2/NDF: 41.0/36

All: -700.971+/-375.365 χ^2/NDF: 115.6/74

- sign -3284.913+/-534.447 χ^2/NDF: 28.4/37

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2539.731+/-0.440 χ^2/NDF:104401.2/20

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

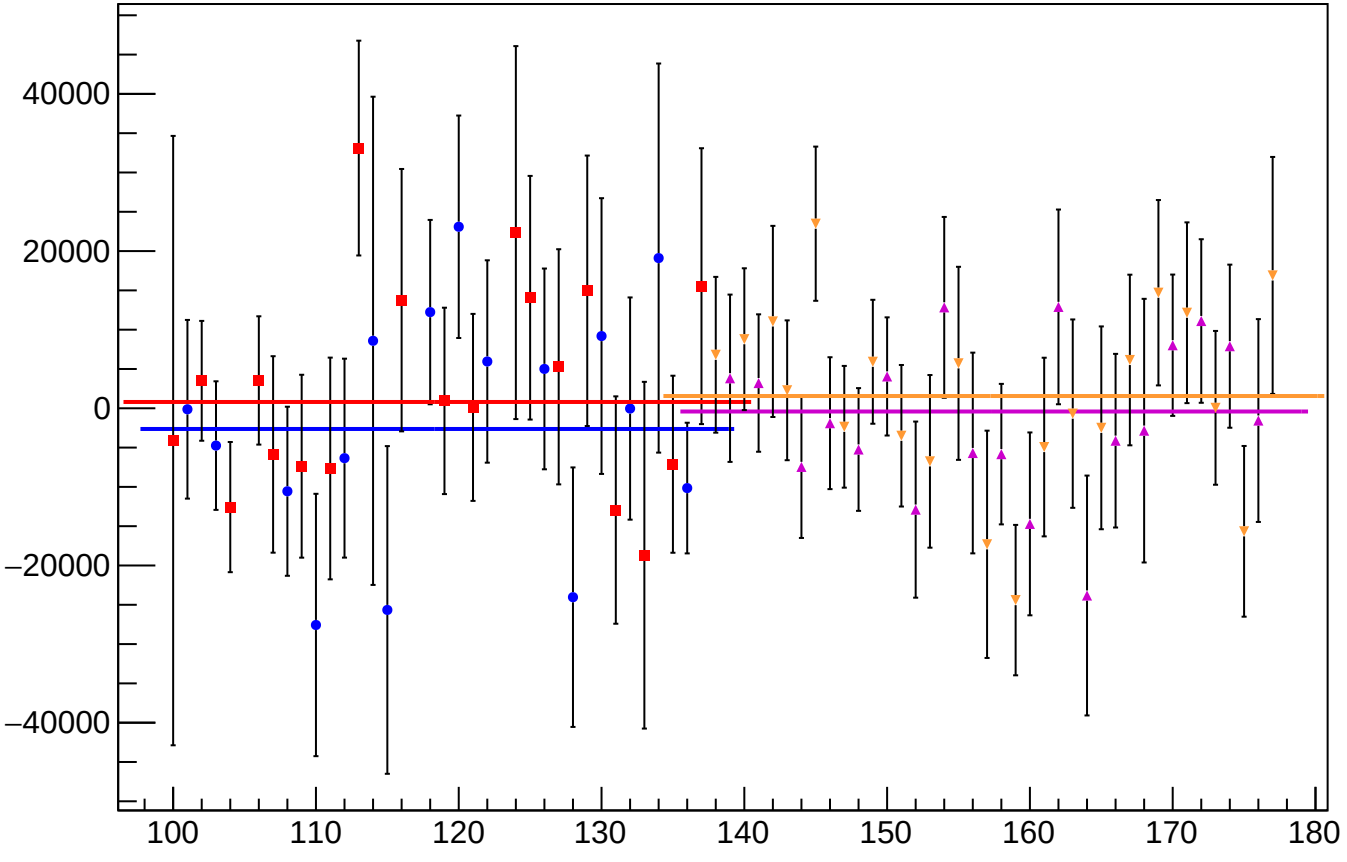
Left In: 2526.115+/-0.454 χ^2/NDF:65753.0/18

\+ sign 2562.752+/-0.373 χ^2/NDF: 599954.2/36

All: 2550.057+/-0.265 χ^2/NDF: 1048202.8/74

\- sign 2537.021+/-0.378 χ^2/NDF: 445899.1/37

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1560.803+/-2263.001 χ^2/NDF:23.5/20

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

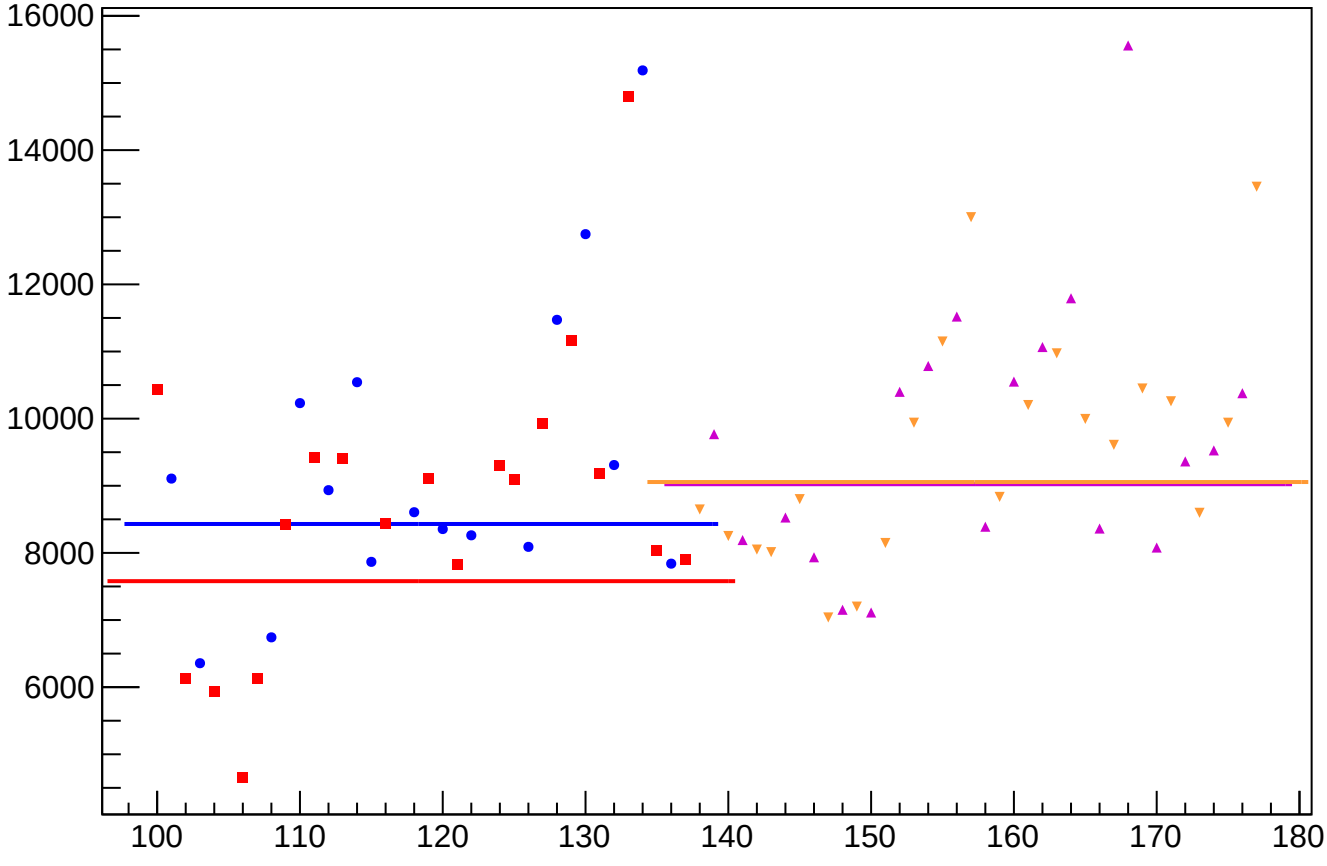
Left In: -409.566+/-2334.567 χ^2/NDF:12.7/18

+ sign 169.695+/-1849.869 χ^2/NDF: 38.4/36

All: 120.157+/-1294.384 χ^2/NDF: 66.6/74

- sign 72.636+/-1811.795 χ^2/NDF: 28.2/37

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 9055.853+/-1.600 χ^2/NDF:874900.5/20

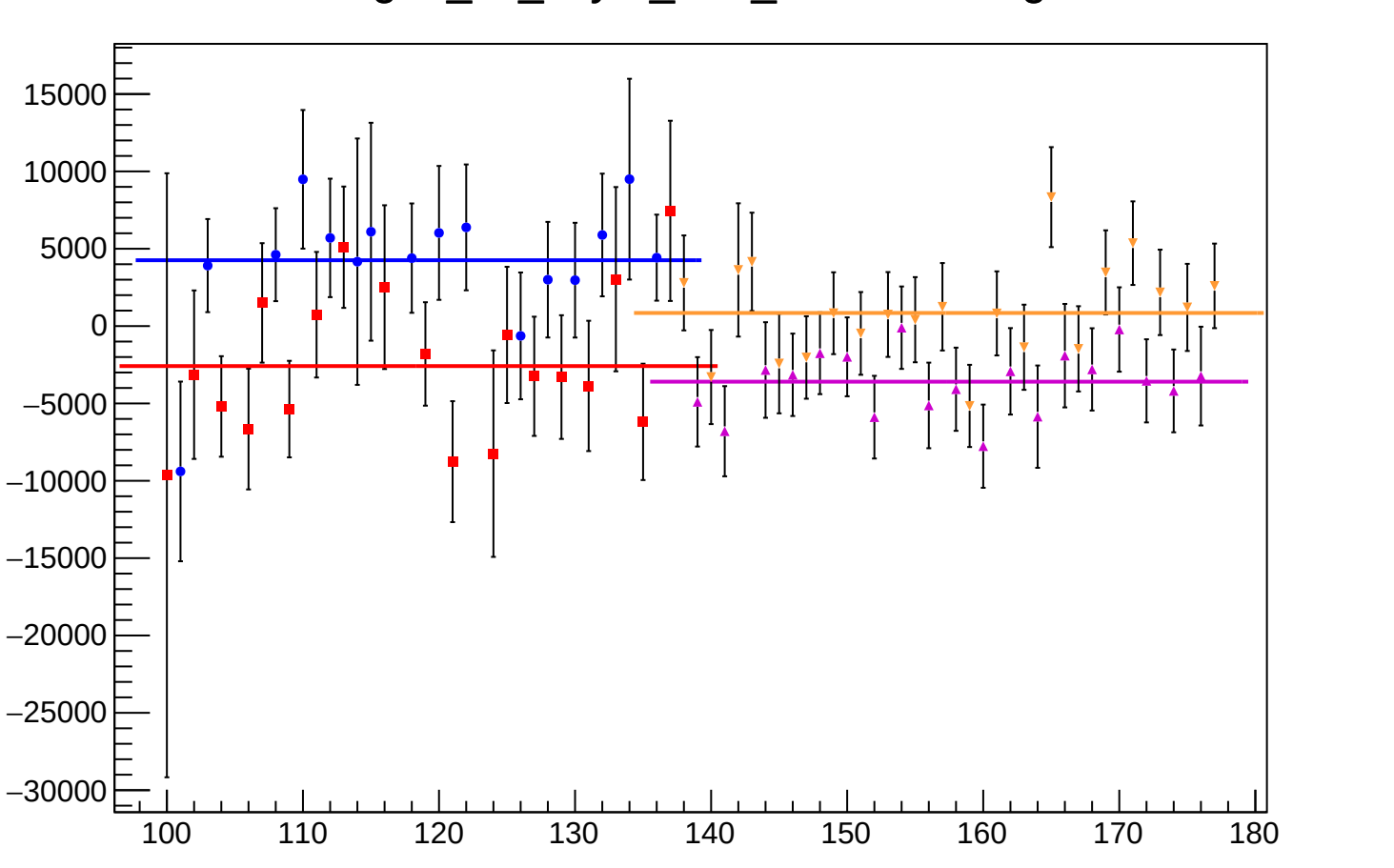
Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 9023.214+/-1.651 χ^2/NDF:991849.0/18

+ sign 8848.455+/-1.308 χ^2/NDF: 1505824.9/36

All: 8644.513+/-0.915 χ^2/NDF: 3823782.5/74

- sign 8448.880+/-1.281 χ^2/NDF: 2270330.5/37



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 848.541+/-622.924 χ^2/NDF:22.5/20

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

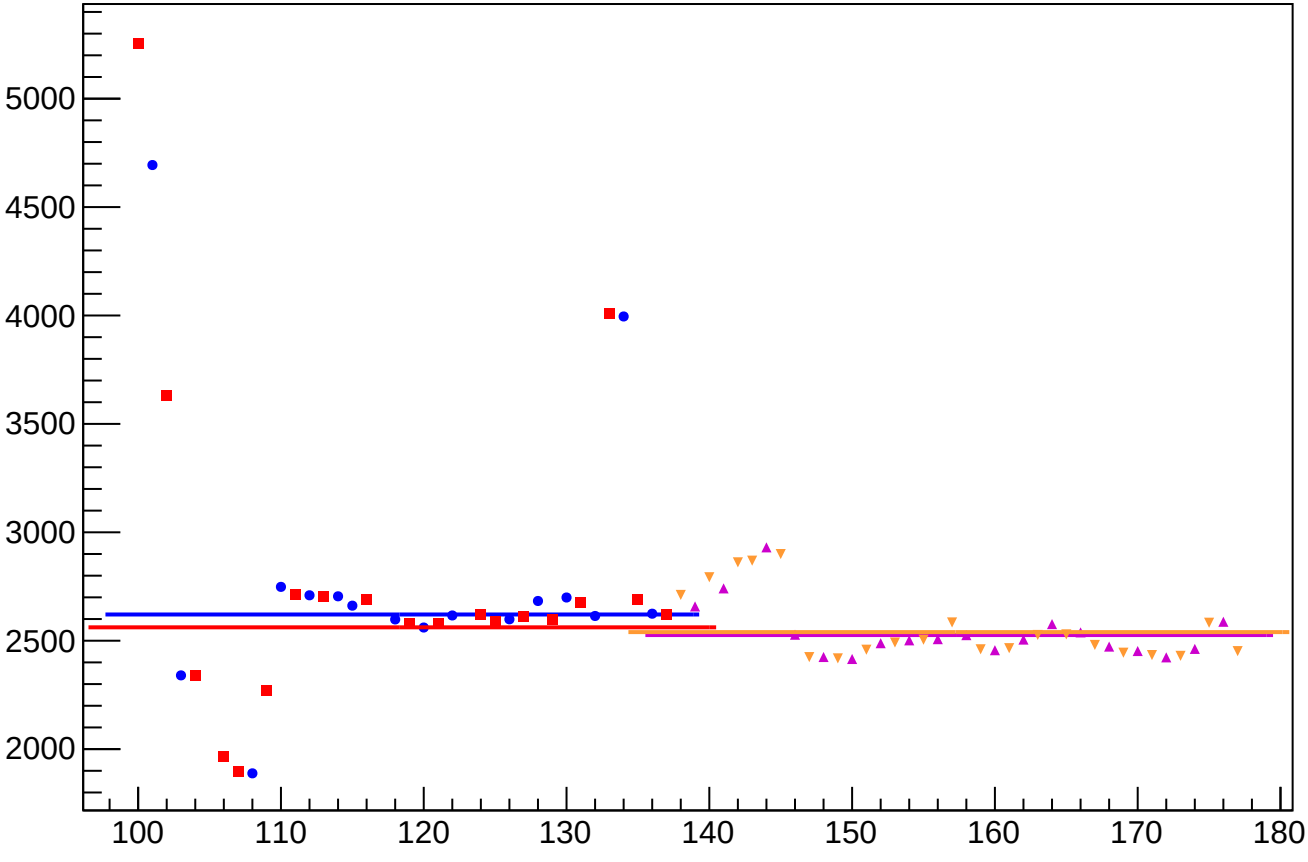
Left In: -3593.754+/-641.572 χ^2/NDF:10.0/18

+ sign 1814.496+/-527.319 χ^2/NDF: 41.0/36

All: -700.975+/-375.366 χ^2/NDF: 115.6/74

- sign -3284.919+/-534.447 χ^2/NDF: 28.4/37

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2539.733+/-0.440 χ^2/NDF:104401.4/20

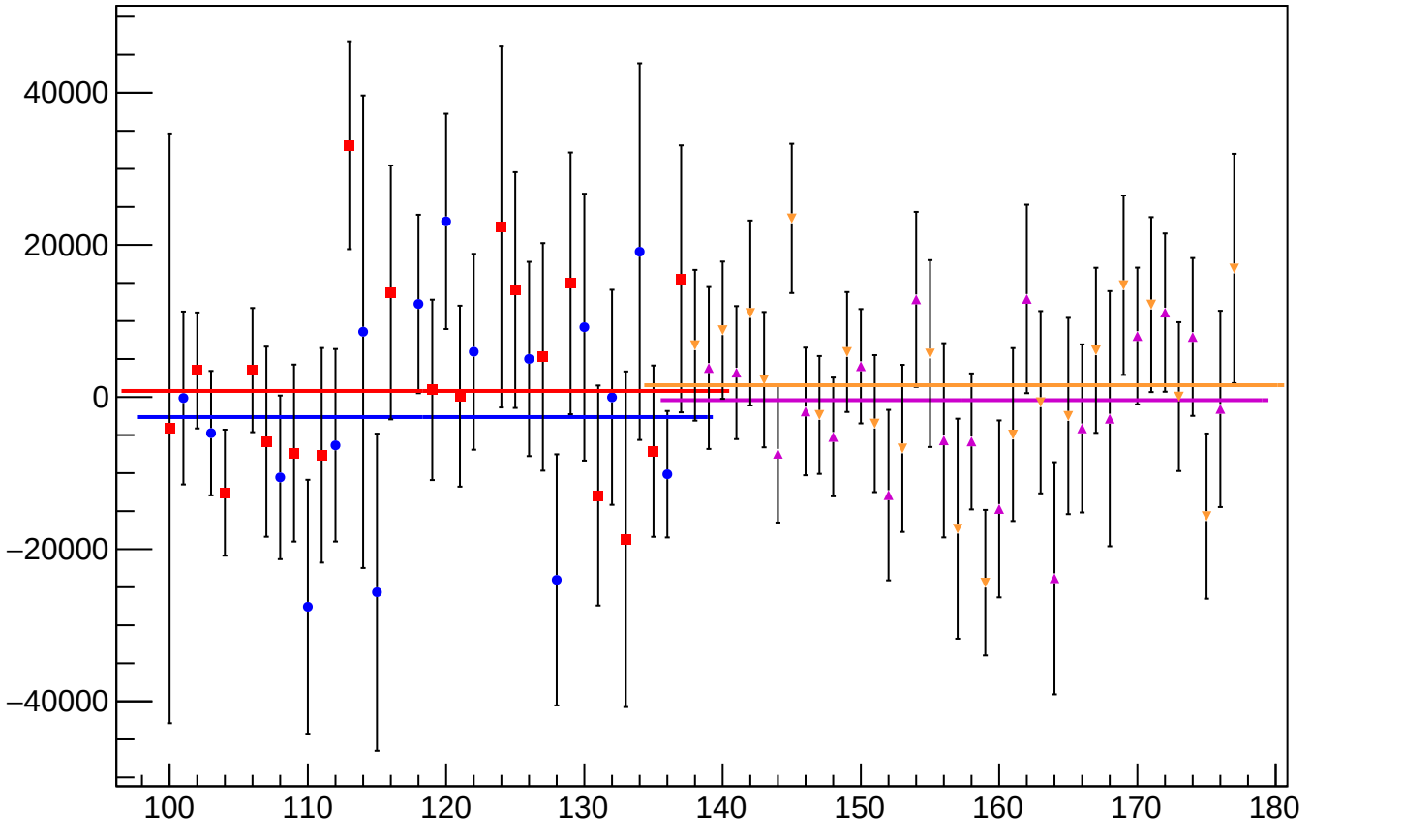
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2526.117+/-0.454 χ^2/NDF:65752.9/18

+ sign 2562.753+/-0.373 χ^2/NDF: 599954.0/36

All: 2550.058+/-0.265 χ^2/NDF: 1048201.7/74

- sign 2537.022+/-0.378 χ^2/NDF: 445898.2/37



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1560.800+/-2263.005 χ^2/NDF:23.5/20

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

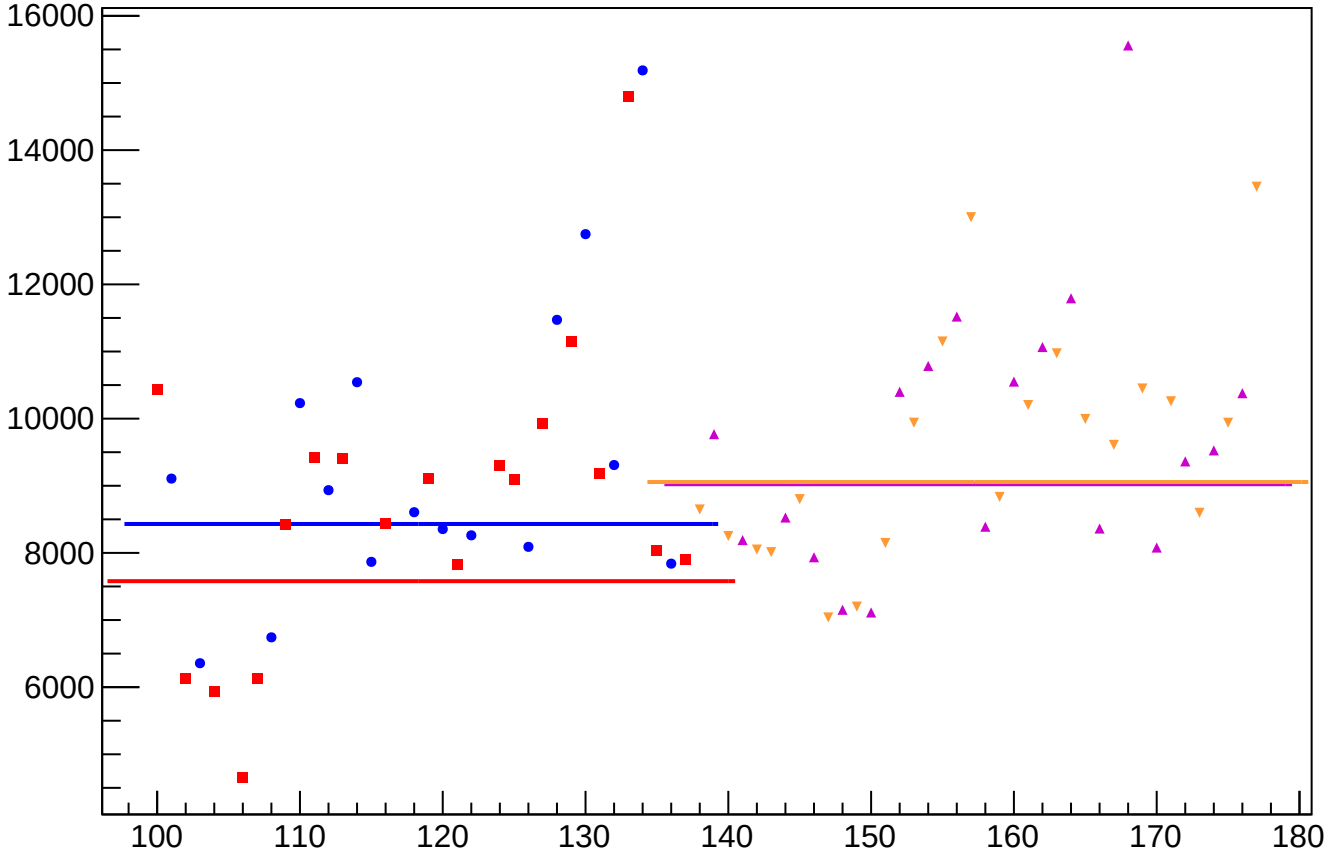
Left In: -409.562+/-2334.571 χ^2/NDF:12.7/18

\+ sign 169.699+/-1849.870 χ^2/NDF: 38.4/36

All: 120.160+/-1294.384 χ^2/NDF: 66.6/74

\- sign 72.638+/-1811.796 χ^2/NDF: 28.2/37

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9055.867+/-1.600 χ^2/NDF:874900.5/20

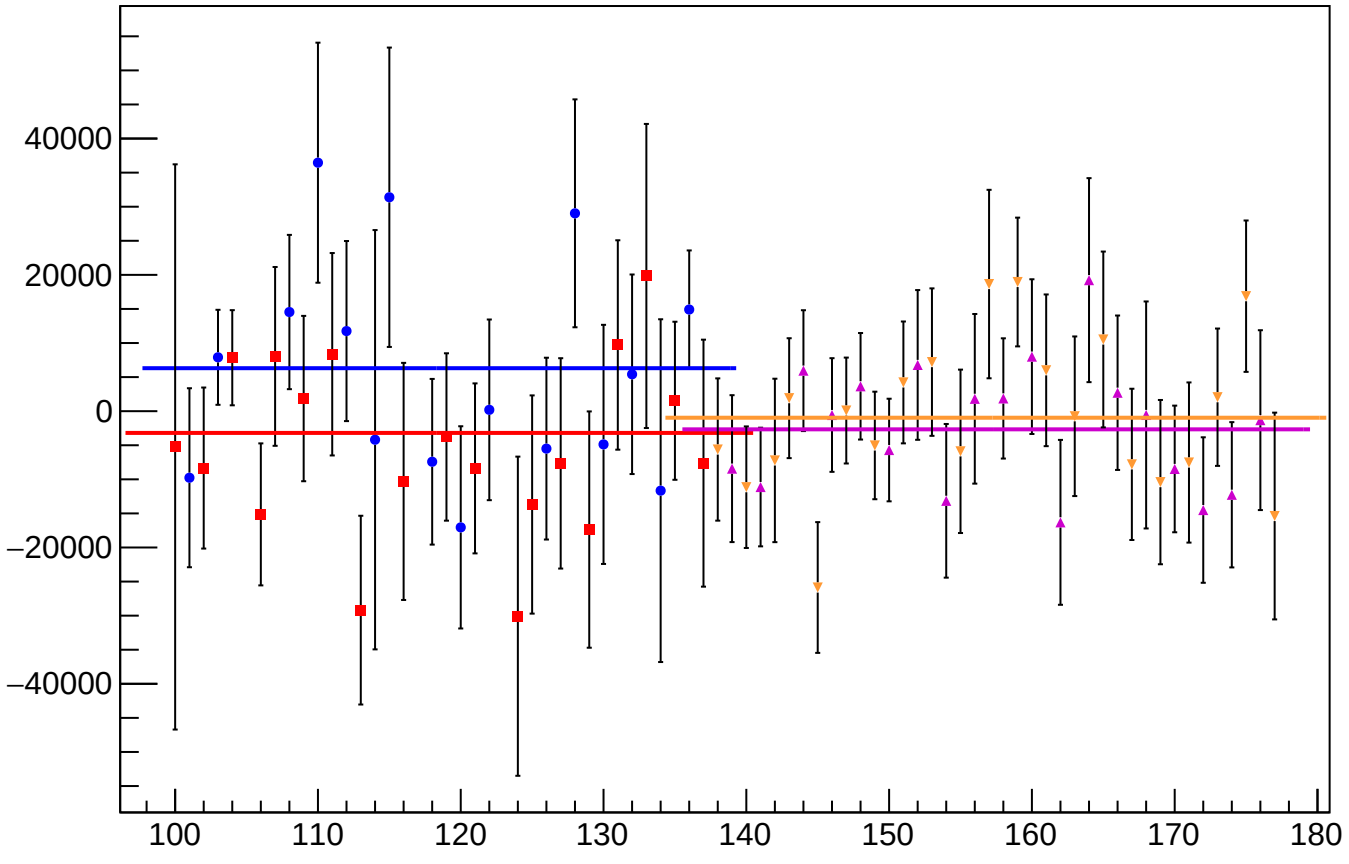
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 9023.228+/-1.651 χ^2/NDF:991850.2/18

+ sign 8848.461+/-1.308 χ^2/NDF: 1505823.3/36

All: 8644.517+/-0.915 χ^2/NDF: 3823790.1/74

- sign 8448.881+/-1.281 χ^2/NDF: 2270338.8/37



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -960.297+/-2261.538 χ^2/NDF:22.5/20

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

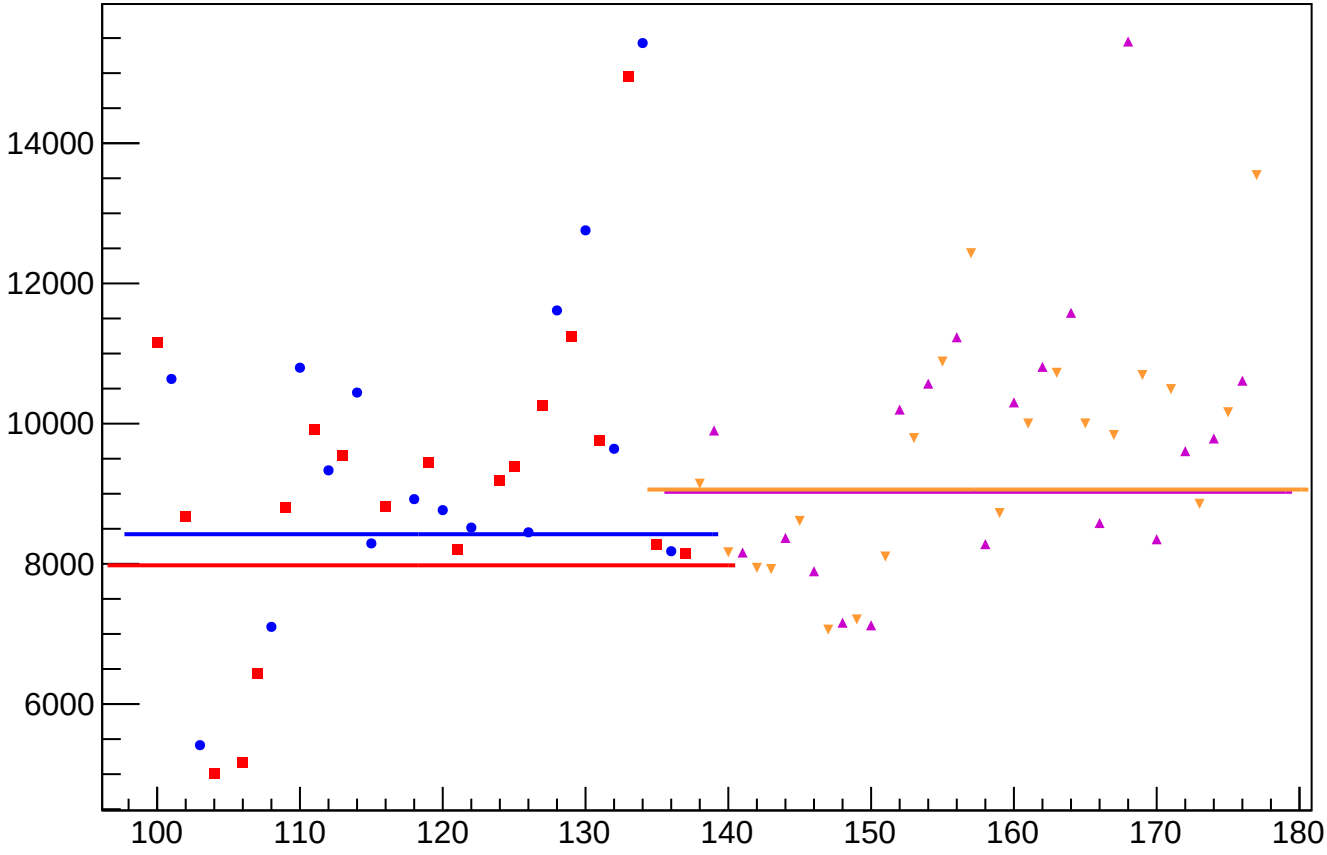
Left In: -2664.364+/-2332.689 χ^2/NDF:12.0/18

\+ sign 1420.780+/-1854.405 χ^2/NDF: 41.0/36

All: -714.879+/-1312.196 χ^2/NDF: 69.6/74

\- sign -2856.631+/-1857.048 χ^2/NDF: 25.9/37

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9059.901+/-1.599 χ^2/NDF:854889.9/20

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

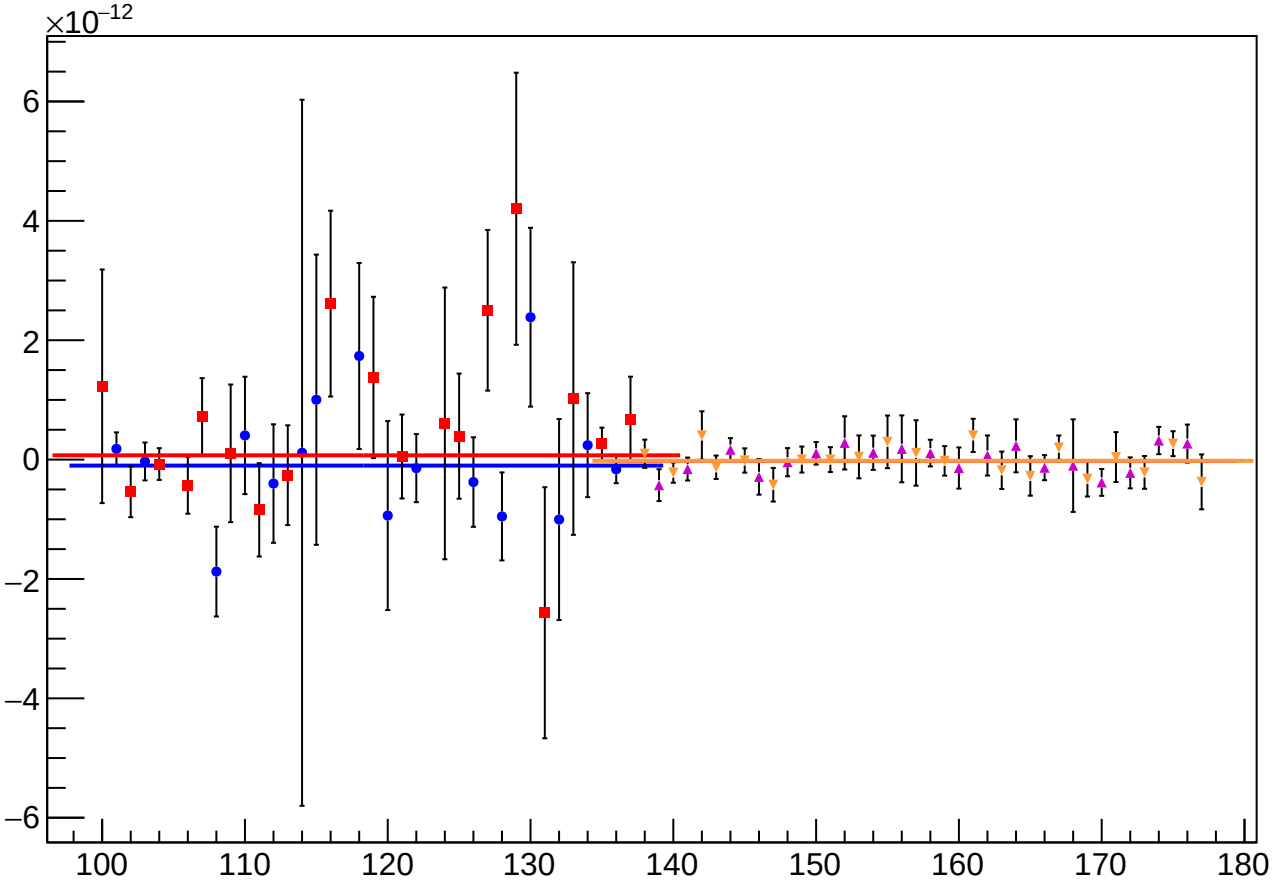
Left In: 9027.701+/-1.649 χ^2/NDF:943604.4/18

+ sign 8851.133+/-1.311 χ^2/NDF: 1788741.3/36

All: 8747.527+/-0.928 χ^2/NDF: 3908910.5/74

- sign 8643.626+/-1.313 χ^2/NDF: 2107665.4/37

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:14.1/20

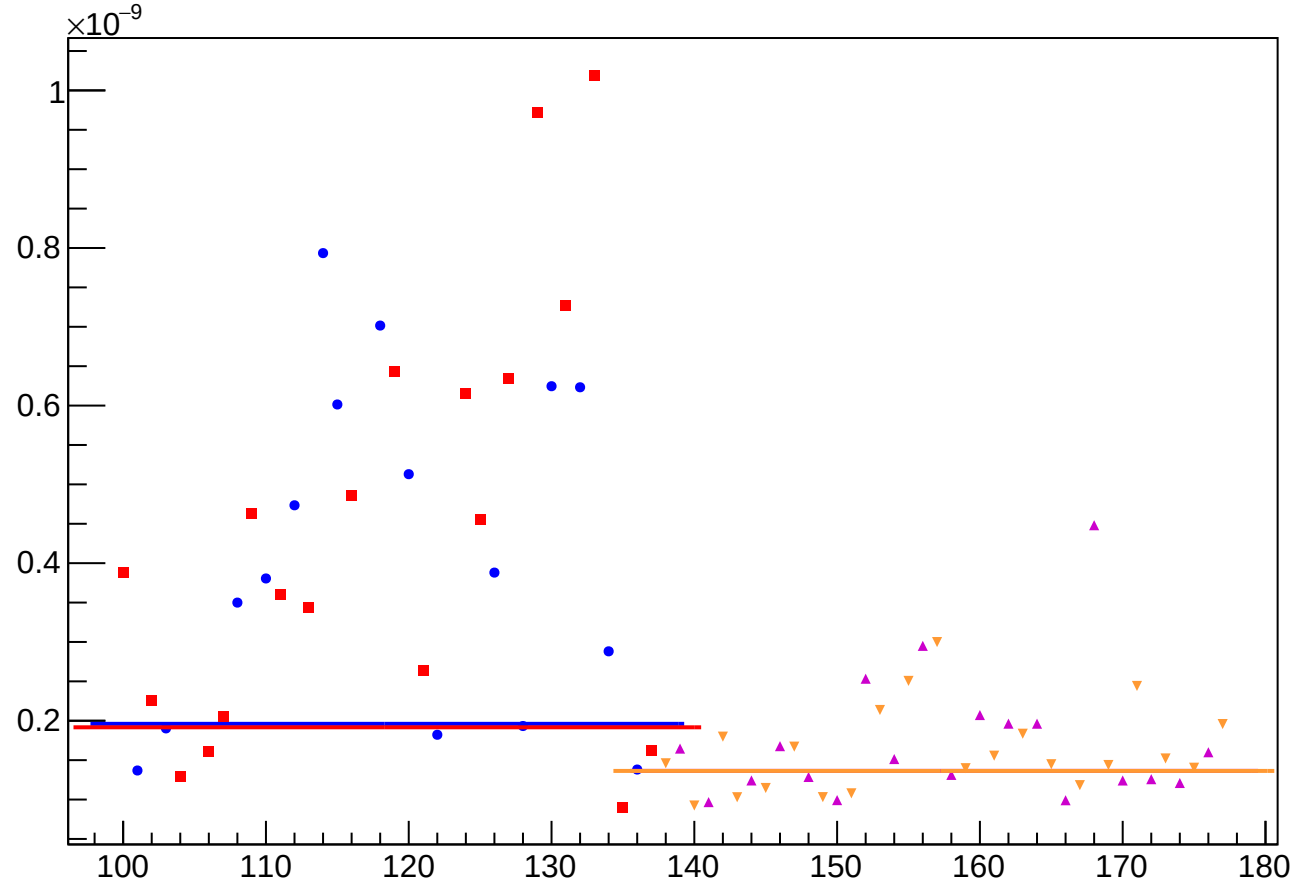
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/36

All: -0.000+/-0.000 χ^2/NDF: 61.3/74

- sign -0.000+/-0.000 χ^2/NDF: 33.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1001264.6/20

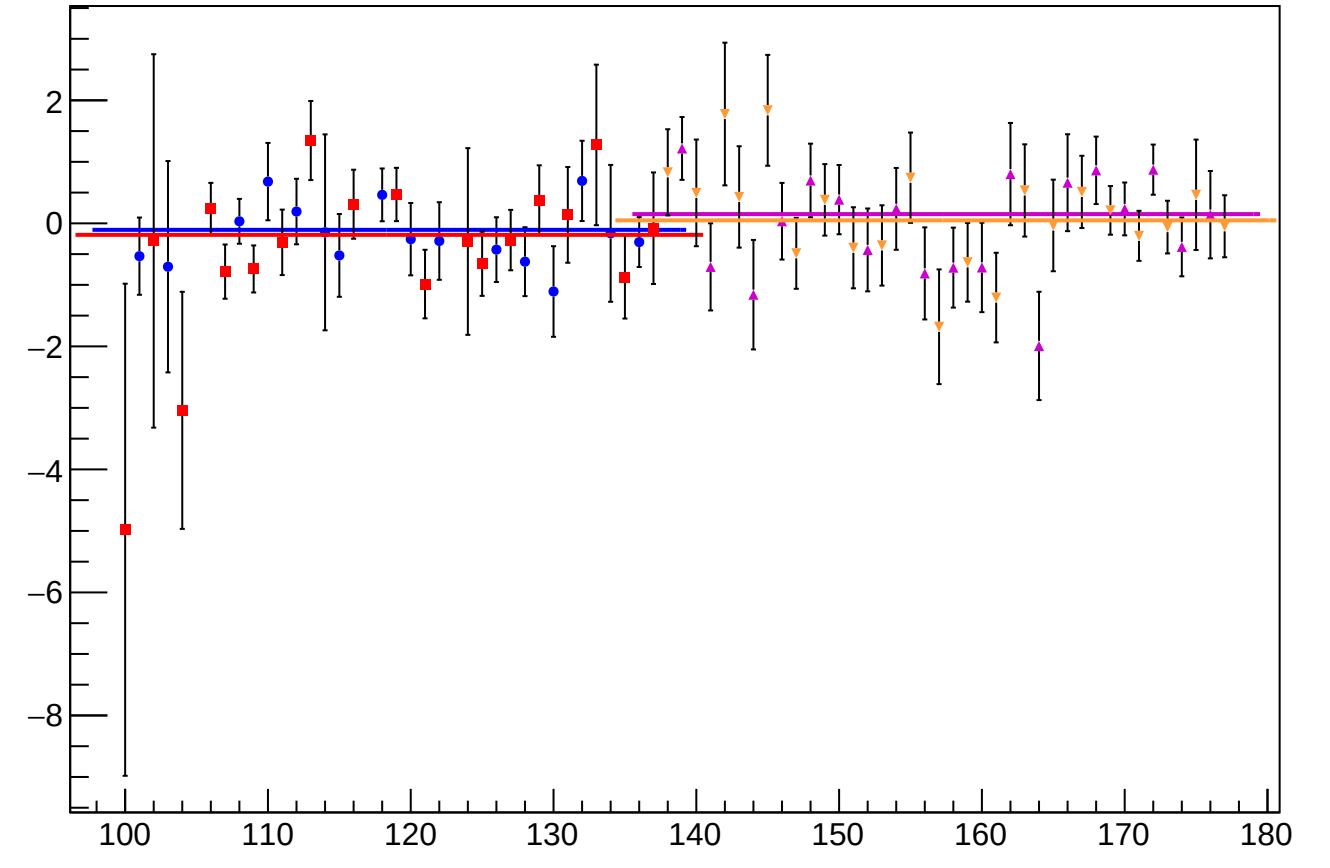
Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1121283.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 2679711.9/36

All: 0.000+/-0.000 χ^2/NDF: 6132987.4/74

- sign 0.000+/-0.000 χ^2/NDF: 3453255.4/37



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.049+/-0.136 χ^2/NDF:20.3/20

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

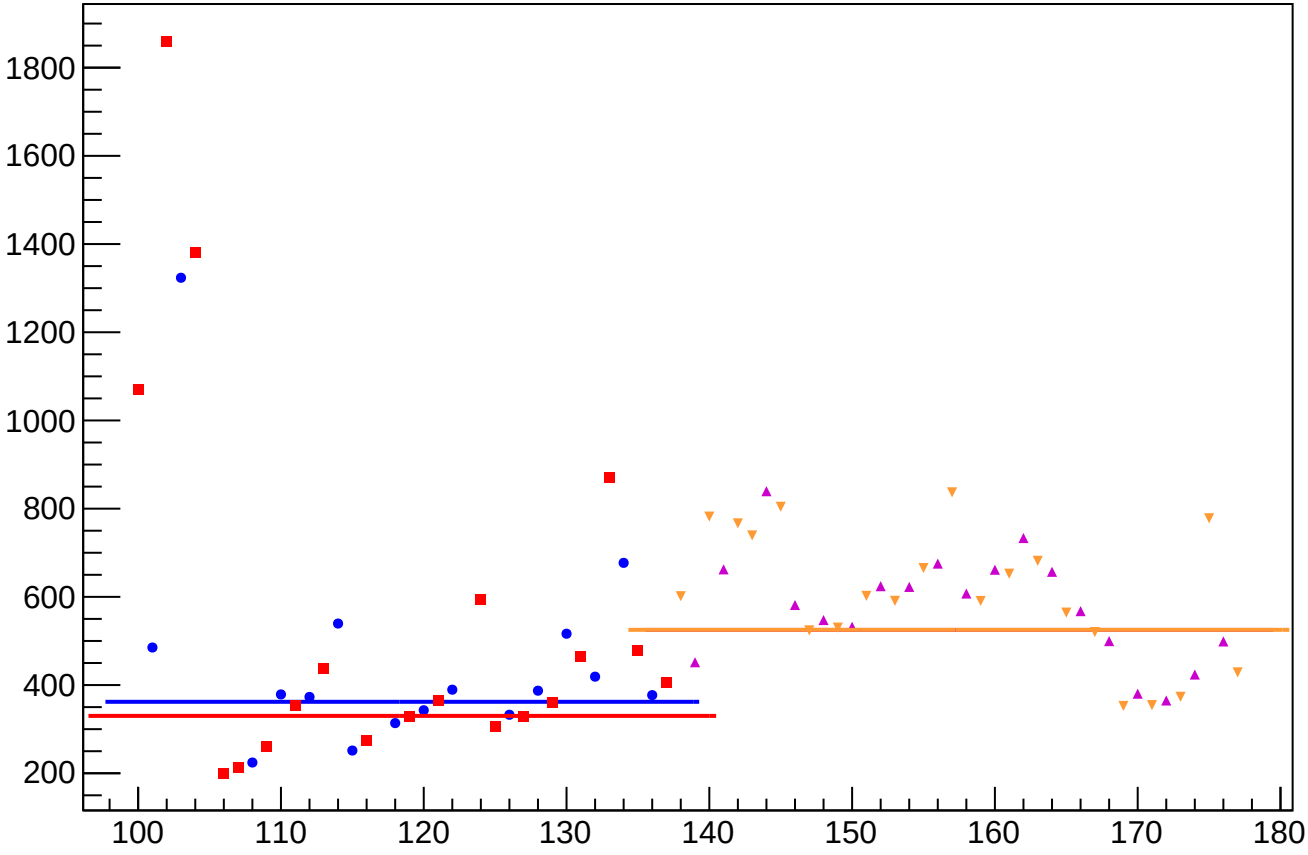
Left In: 0.150+/-0.139 χ^2/NDF:27.7/18

+ sign -0.023+/-0.099 χ^2/NDF: 30.6/36

All: -0.022+/-0.070 χ^2/NDF: 85.2/74

- sign -0.020+/-0.098 χ^2/NDF: 54.6/37

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 525.221+/-0.096 χ^2/NDF:2348702.1/20

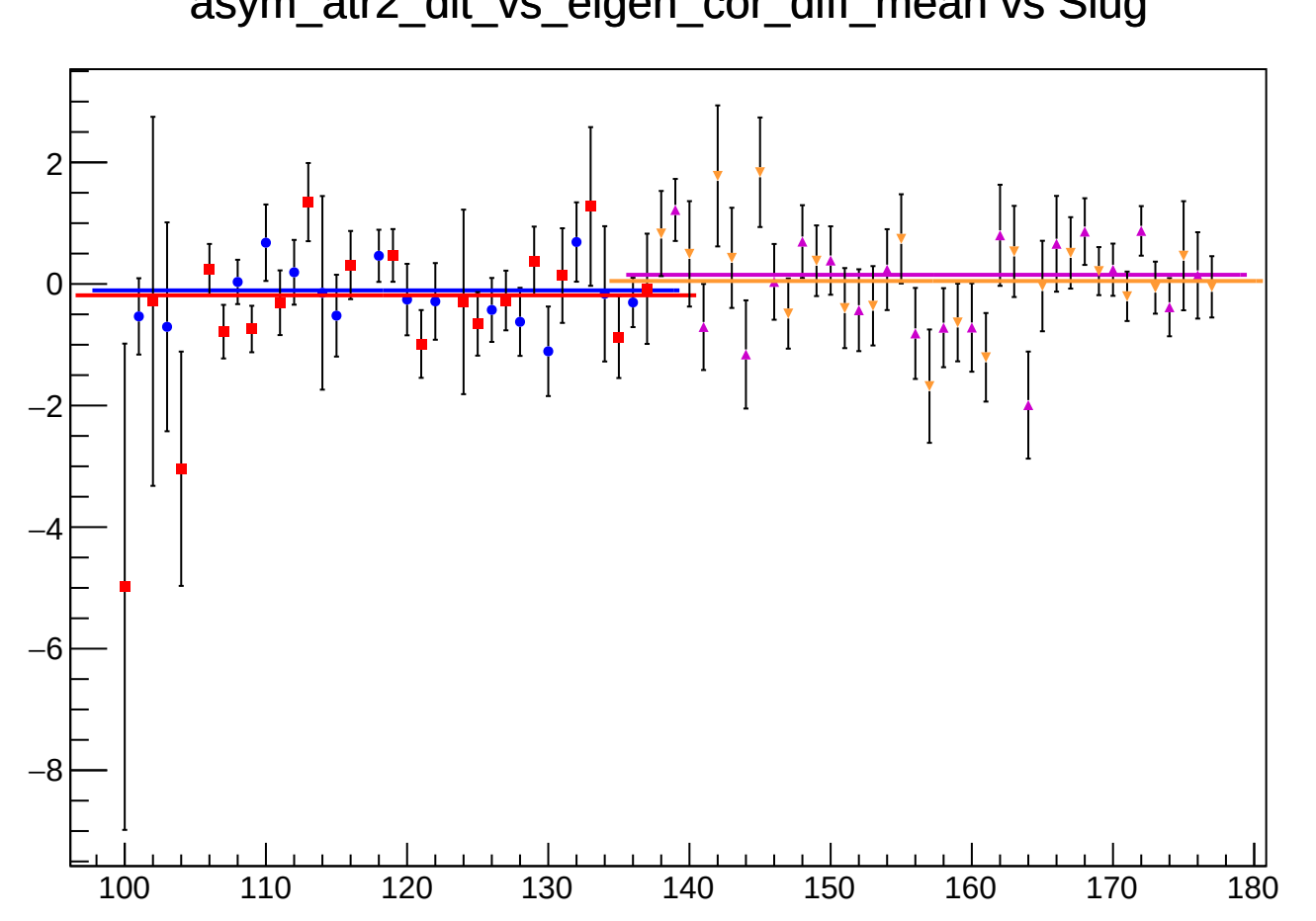
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 524.978+/-0.098 χ^2/NDF:1463059.8/18

+ sign 448.867+/-0.070 χ^2/NDF: 5079751.5/36

All: 437.424+/-0.049 χ^2/NDF: 10827348.3/74

- sign 426.250+/-0.069 χ^2/NDF: 5694753.1/37



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.049+/-0.136 χ^2/NDF:20.3/20

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

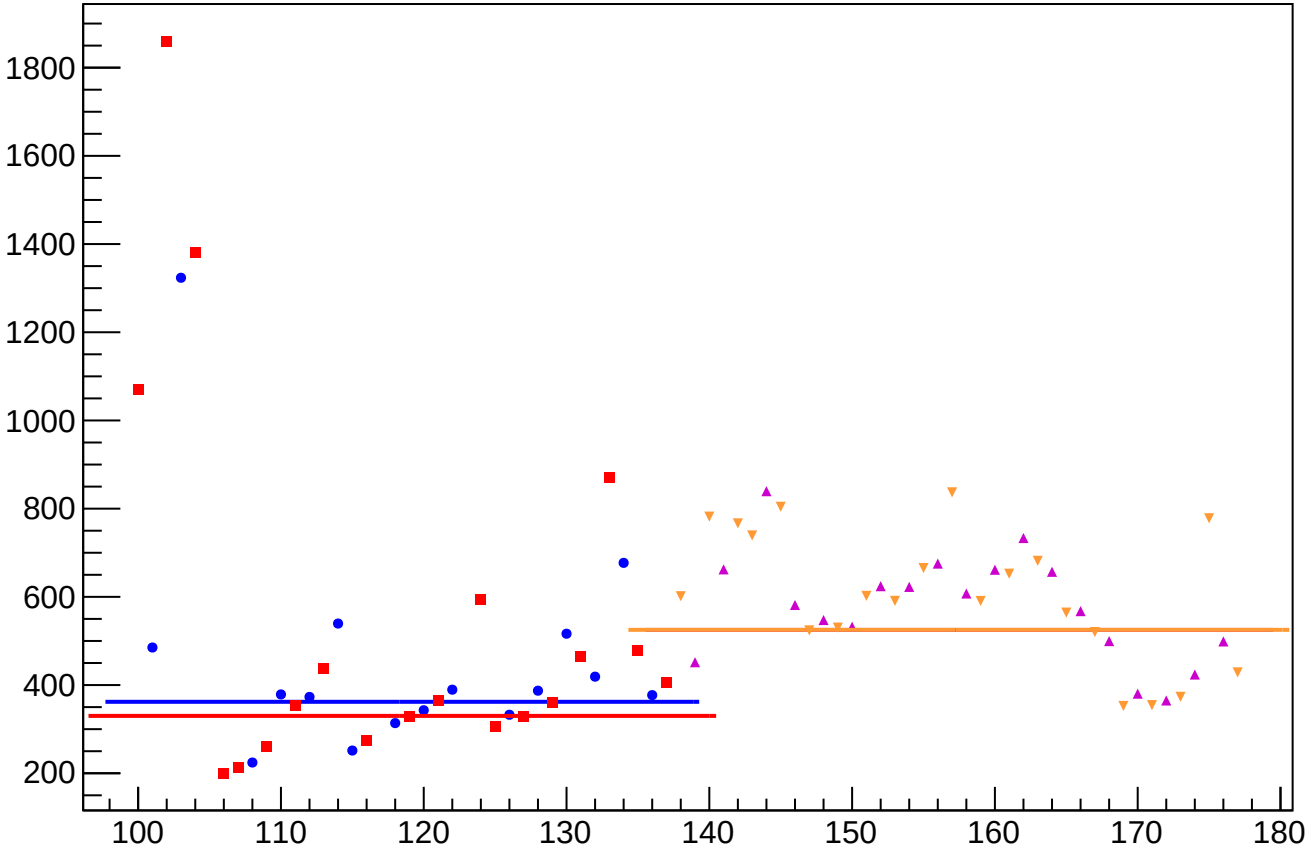
Left In: 0.150+/-0.139 χ^2/NDF:27.7/18

+ sign -0.023+/-0.099 χ^2/NDF: 30.6/36

All: -0.022+/-0.070 χ^2/NDF: 85.2/74

- sign -0.020+/-0.098 χ^2/NDF: 54.6/37

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 525.221+/-0.096 χ^2/NDF:2348702.1/20

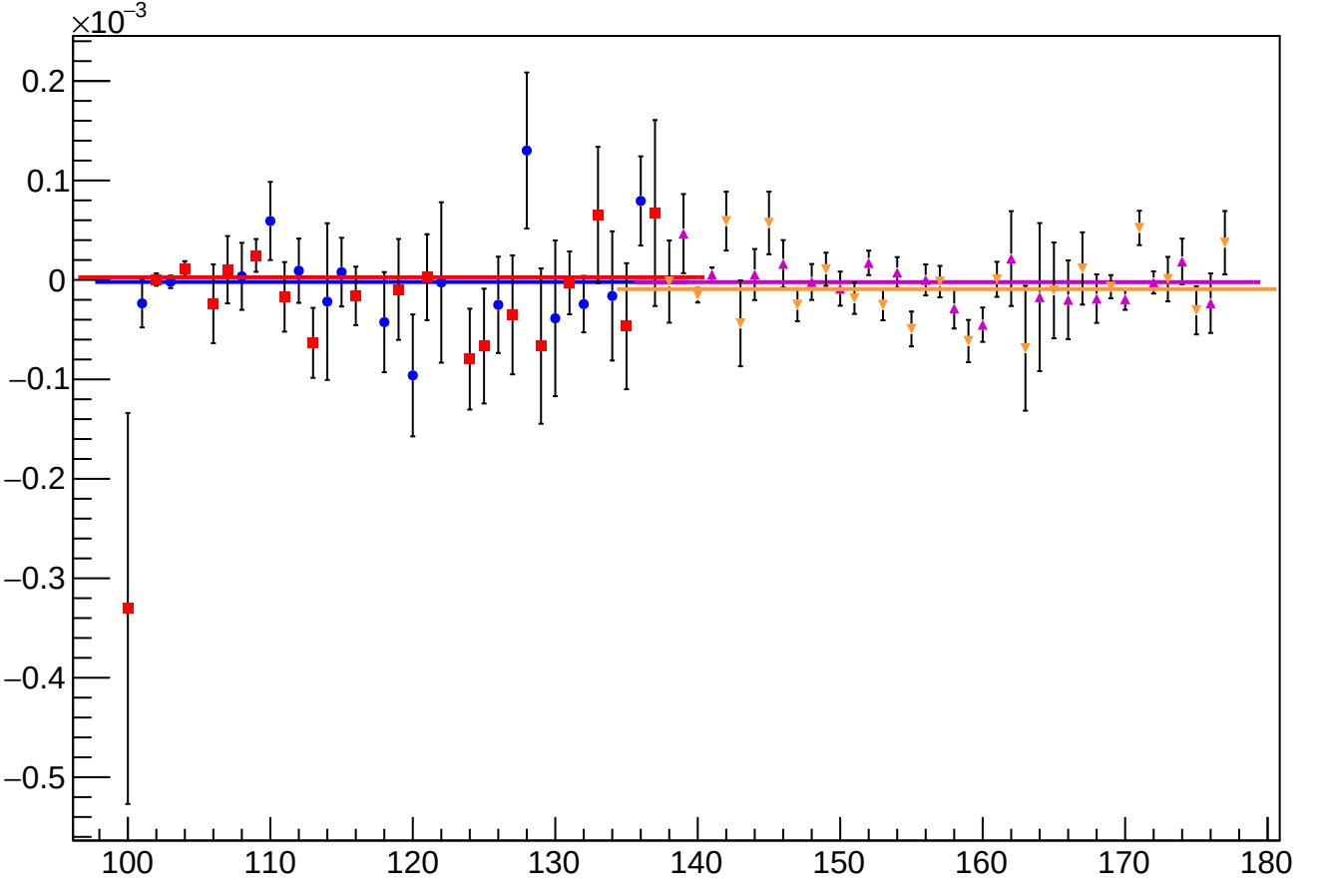
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 524.978+/-0.098 χ^2/NDF:1463059.8/18

+ sign 448.867+/-0.070 χ^2/NDF: 5079751.5/36

All: 437.424+/-0.049 χ^2/NDF: 10827348.3/74

- sign 426.250+/-0.069 χ^2/NDF: 5694753.1/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:43.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

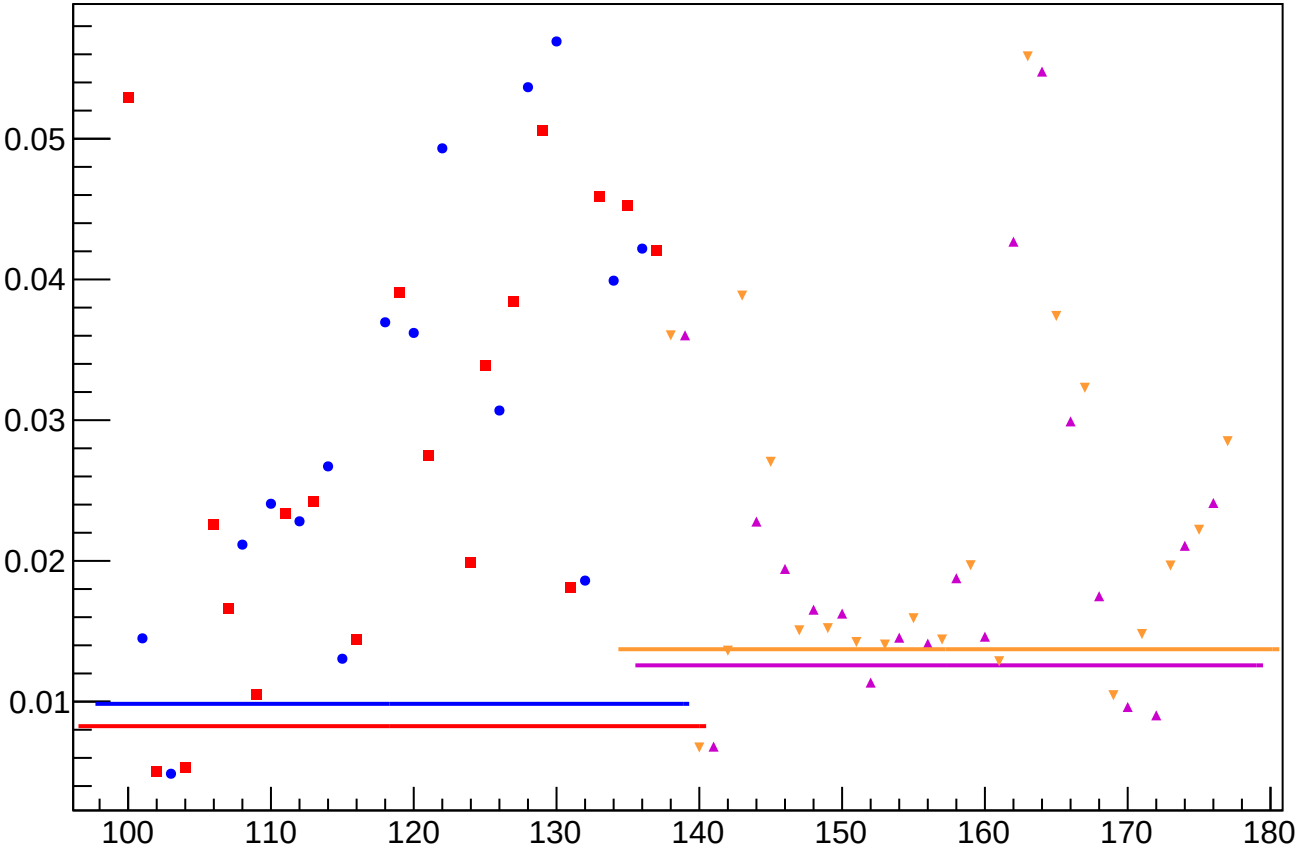
Left In: -0.000+/-0.000 χ^2/NDF:19.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 58.7/36

All: -0.000+/-0.000 χ^2/NDF: 99.2/74

- sign -0.000+/-0.000 χ^2/NDF: 38.0/37

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:6543904.1/20

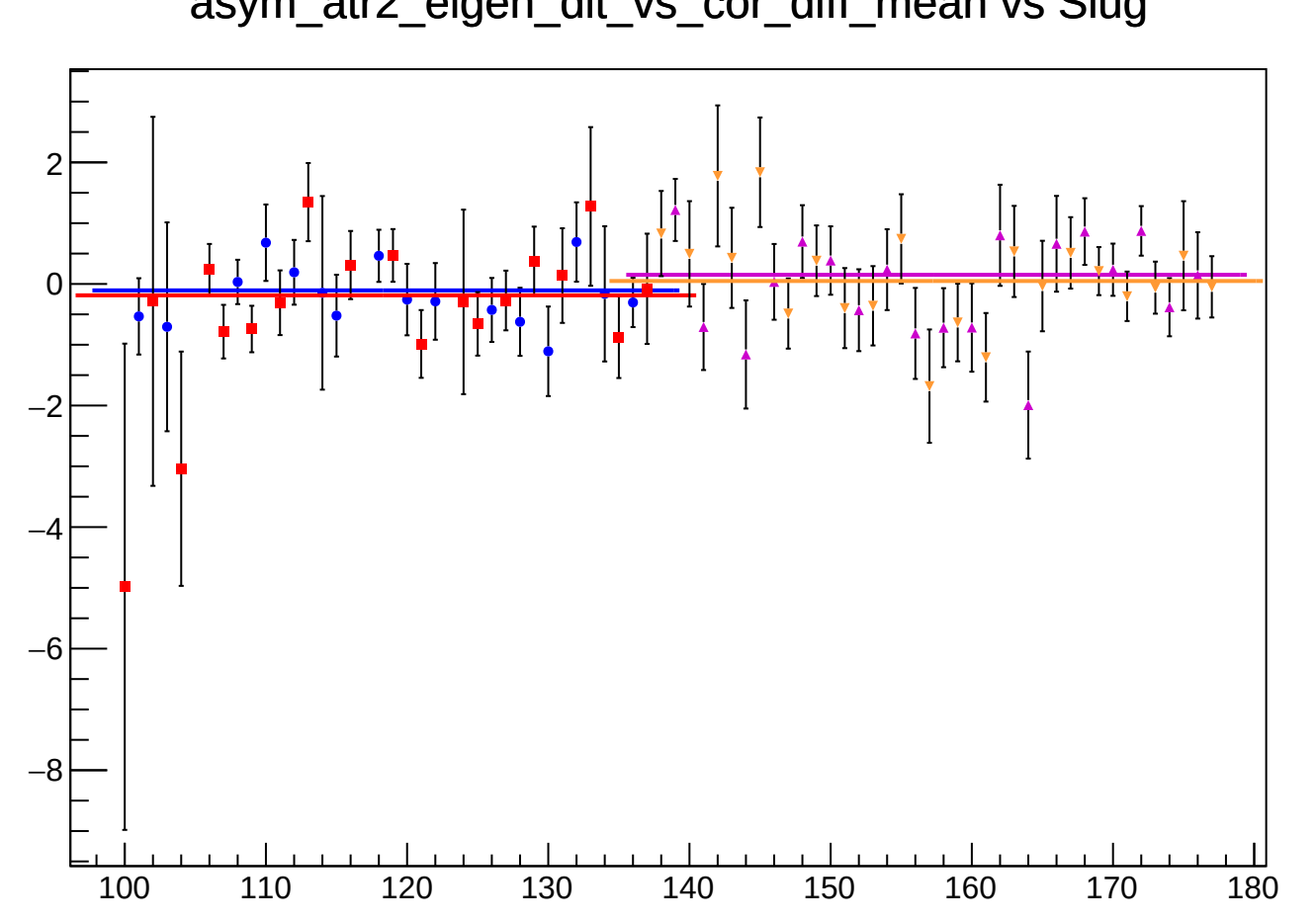
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:5759093.2/18

+ sign 0.012+/-0.000 χ^2/NDF: 14277306.2/36

All: 0.011+/-0.000 χ^2/NDF: 28291025.8/74

- sign 0.011+/-0.000 χ^2/NDF: 13683258.7/37



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.049+/-0.136 χ^2/NDF:20.3/20

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

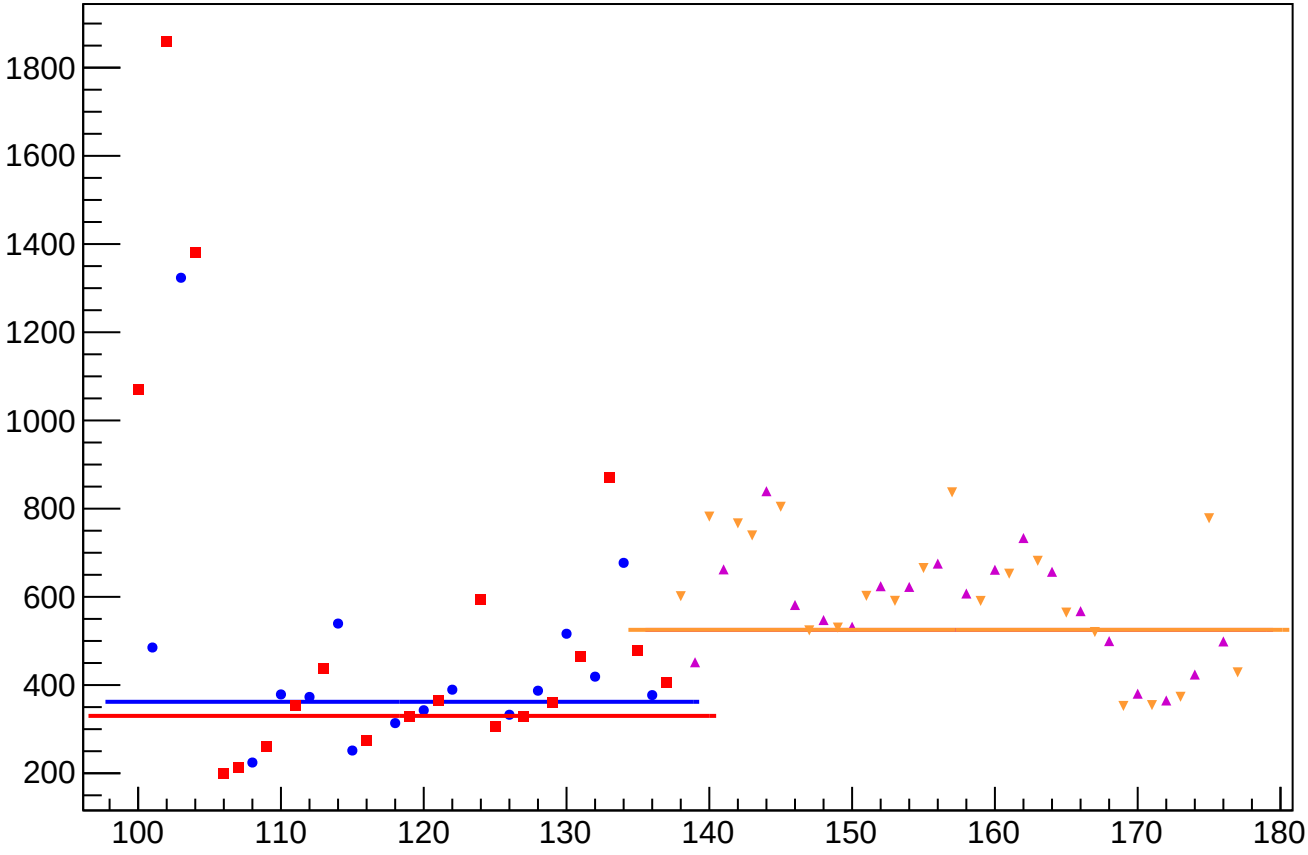
Left In: 0.150+/-0.139 χ^2/NDF:27.7/18

+ sign -0.023+/-0.099 χ^2/NDF: 30.6/36

All: -0.022+/-0.070 χ^2/NDF: 85.2/74

- sign -0.020+/-0.098 χ^2/NDF: 54.6/37

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 525.225+/-0.096 χ^2/NDF:2348800.0/20

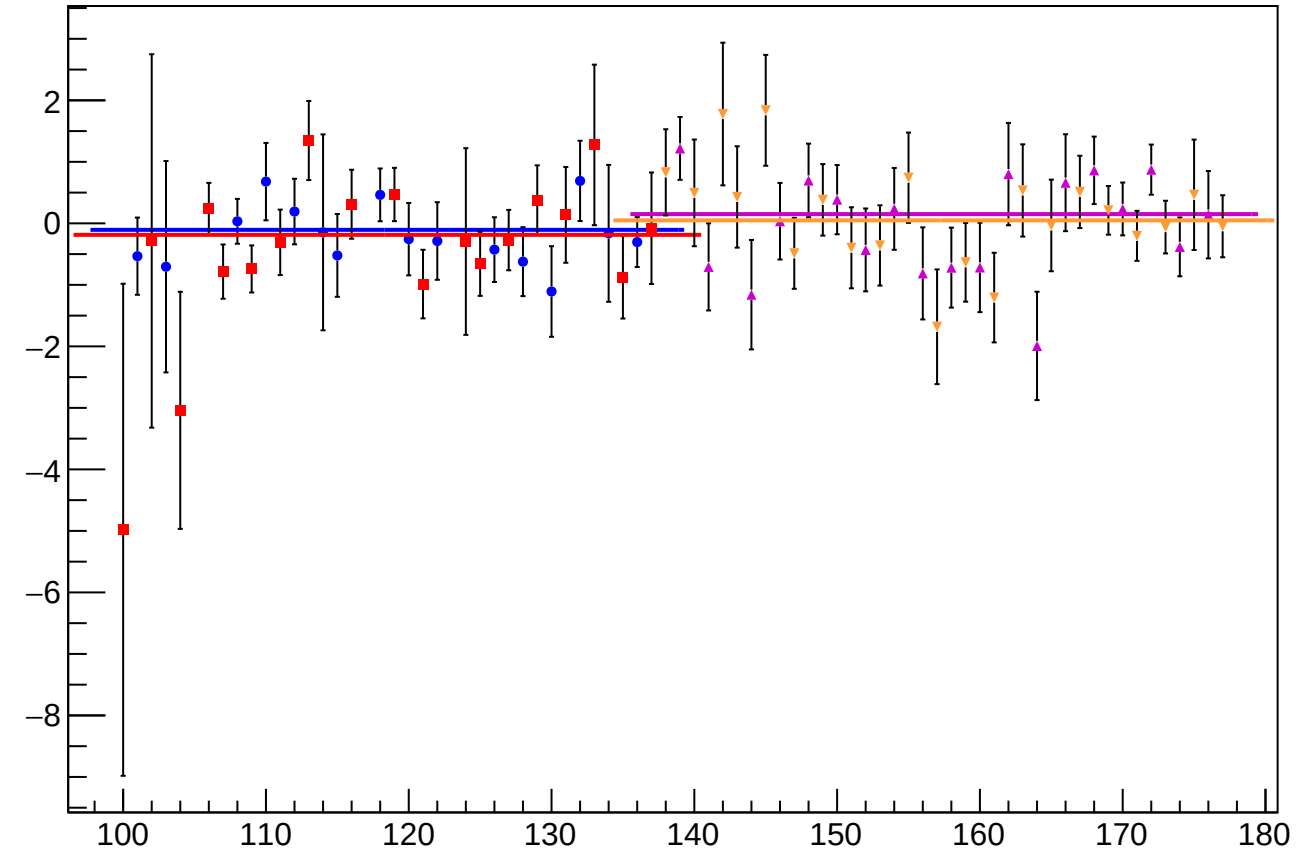
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 524.983+/-0.098 χ^2/NDF:1463112.1/18

+ sign 448.867+/-0.070 χ^2/NDF: 5079967.2/36

All: 437.424+/-0.049 χ^2/NDF: 10827721.4/74

- sign 426.250+/-0.069 χ^2/NDF: 5694913.9/37



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.049+/-0.136 χ^2/NDF:20.3/20

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

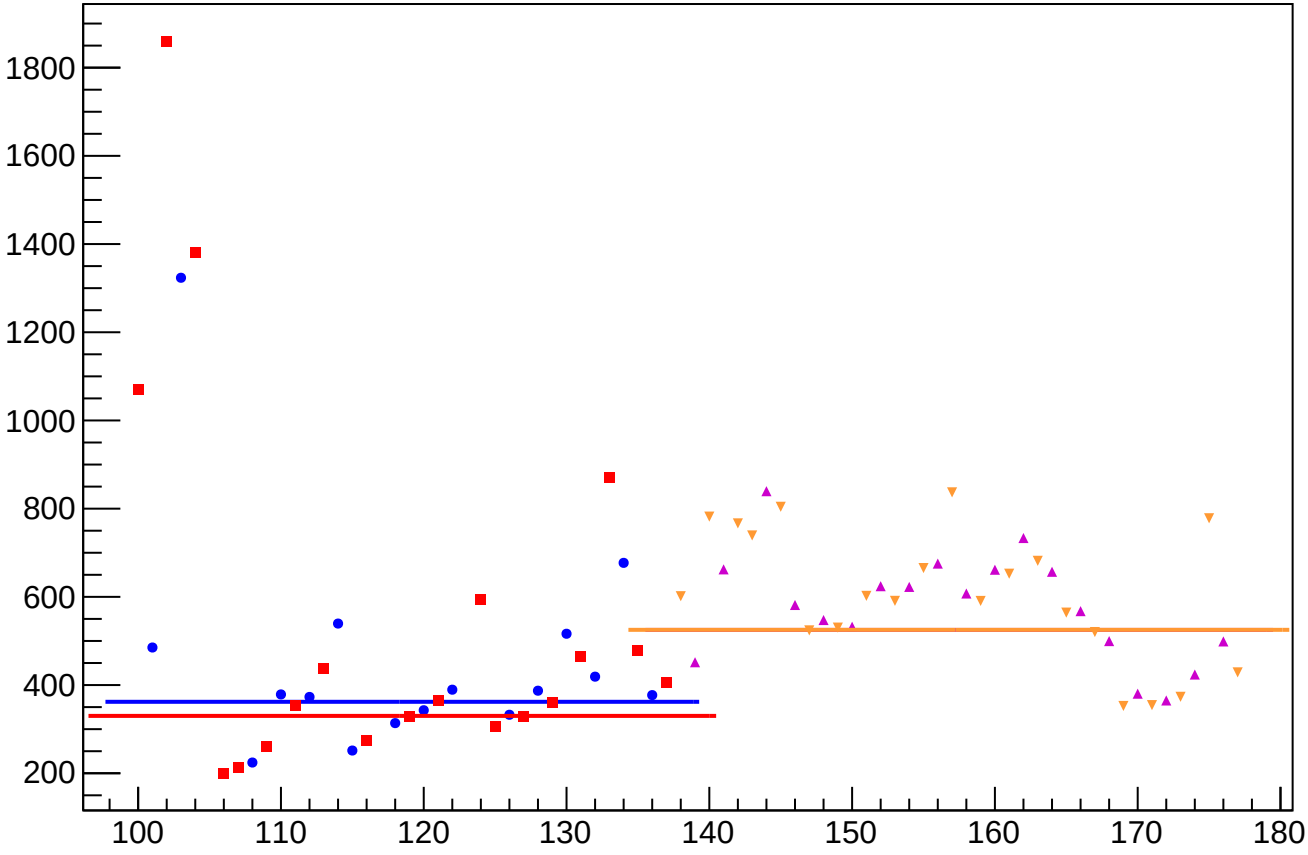
Left In: 0.150+/-0.139 χ^2/NDF:27.7/18

+ sign -0.023+/-0.099 χ^2/NDF: 30.6/36

All: -0.022+/-0.070 χ^2/NDF: 85.2/74

- sign -0.020+/-0.098 χ^2/NDF: 54.6/37

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: 525.225+/-0.096 χ^2/NDF:2348800.0/20

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

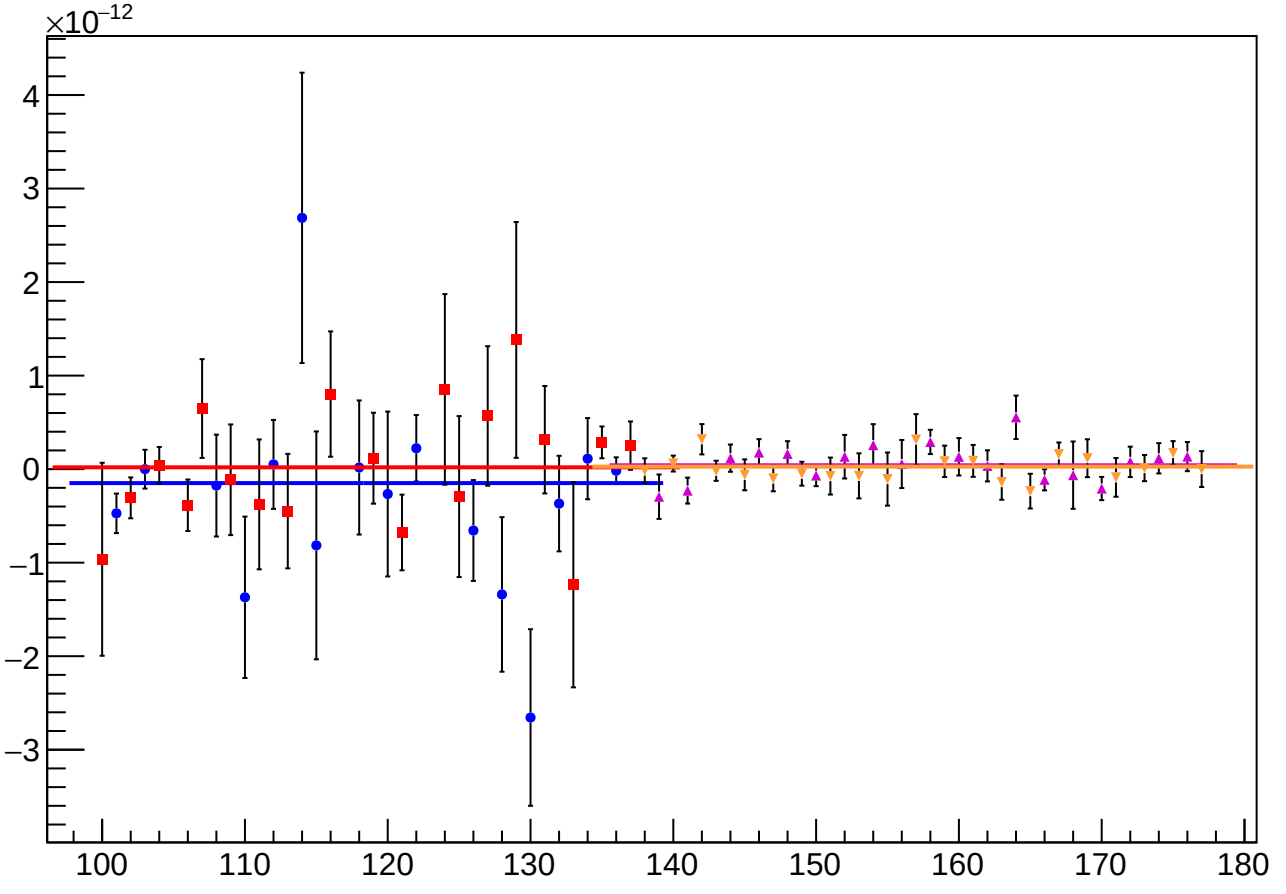
Left In: 524.983+/-0.098 χ^2/NDF:1463112.1/18

+ sign 448.867+/-0.070 χ^2/NDF: 5079967.2/36

All: 437.424+/-0.049 χ^2/NDF: 10827721.4/74

- sign 426.250+/-0.069 χ^2/NDF: 5694913.9/37

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:12.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

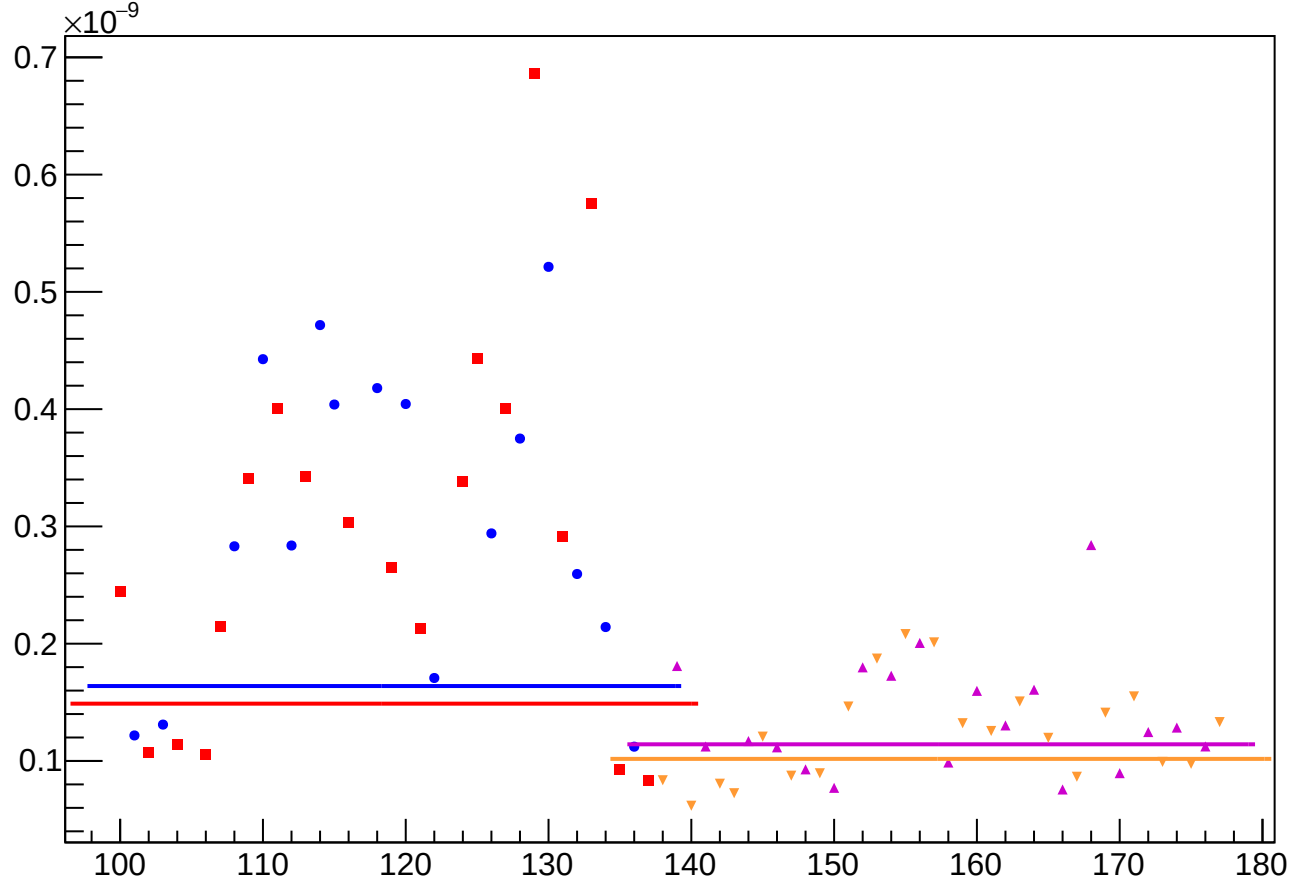
Left In: 0.000+/-0.000 χ^2/NDF:25.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 37.8/36

All: 0.000+/-0.000 χ^2/NDF: 82.9/74

- sign 0.000+/-0.000 χ^2/NDF: 44.7/37

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2181986.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

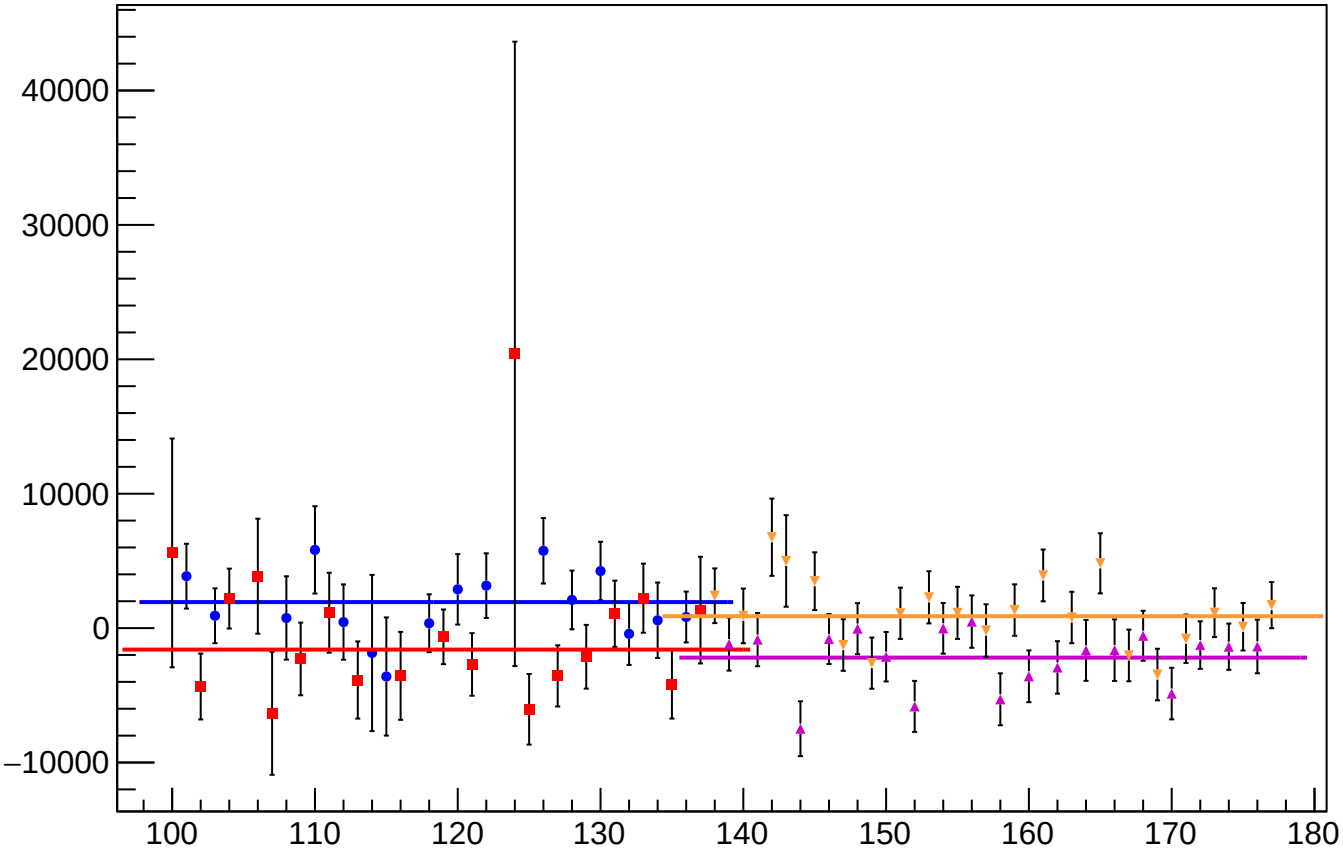
Left In: 0.000+/-0.000 χ^2/NDF:1954089.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 5079521.2/36

All: 0.000+/-0.000 χ^2/NDF: 10270169.8/74

- sign 0.000+/-0.000 χ^2/NDF: 5089935.1/37

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 886.800+/-432.294 χ^2/NDF:27.5/20

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

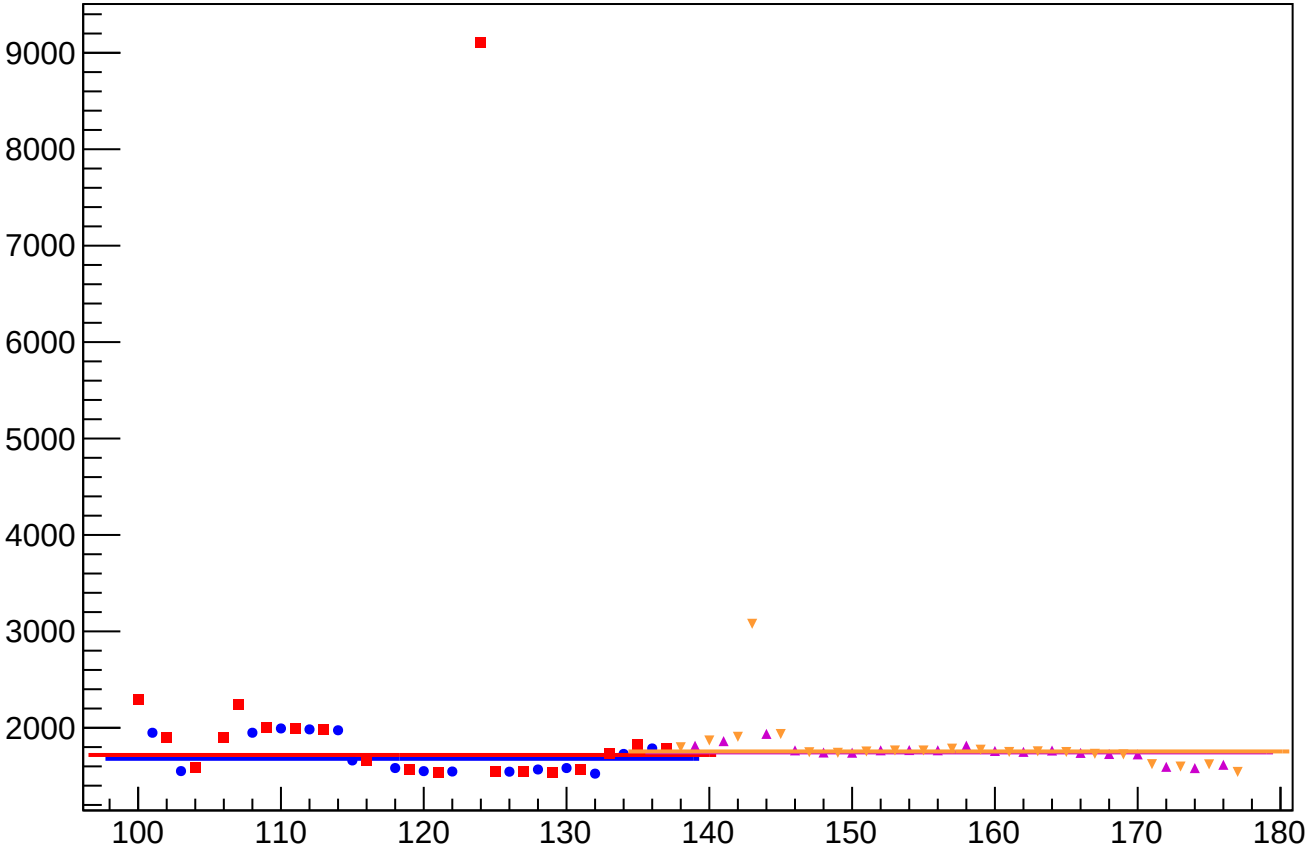
Left In: -2196.010+/-443.181 χ^2/NDF:22.9/18

+ sign 1223.813+/-356.062 χ^2/NDF: 40.3/36

All: -350.707+/-254.793 χ^2/NDF: 123.3/74

- sign -2003.081+/-364.758 χ^2/NDF: 42.9/37

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1754.877+/-0.306 χ^2/NDF:398142.9/20

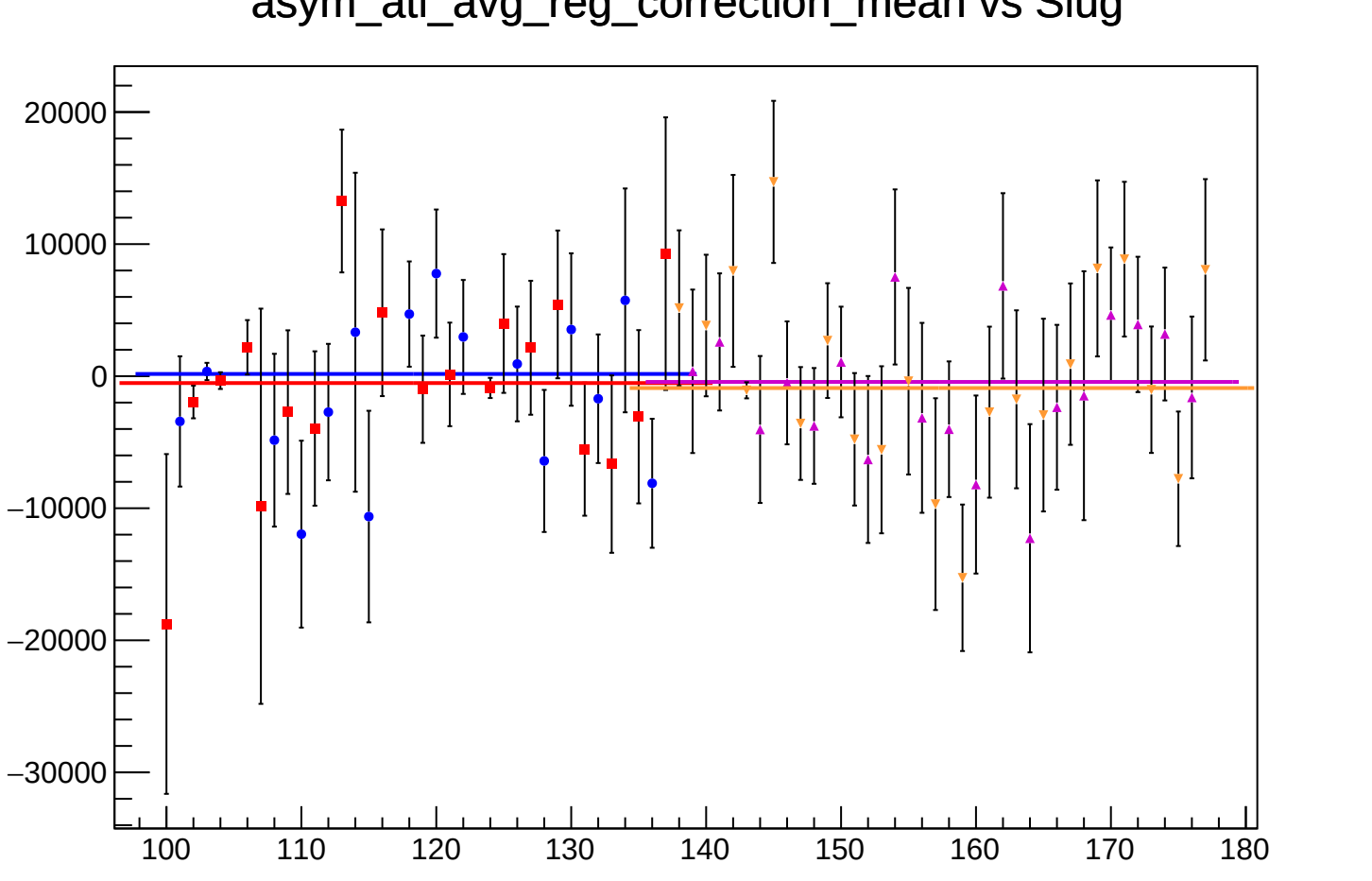
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

+ sign 1730.329+/-0.252 χ^2/NDF: 559680.1/36

All: 1733.232+/-0.180 χ^2/NDF: 1017449.1/74

- sign 1736.270+/-0.258 χ^2/NDF: 457496.9/37



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -899.715+/-552.139 χ^2/NDF:28.4/20

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

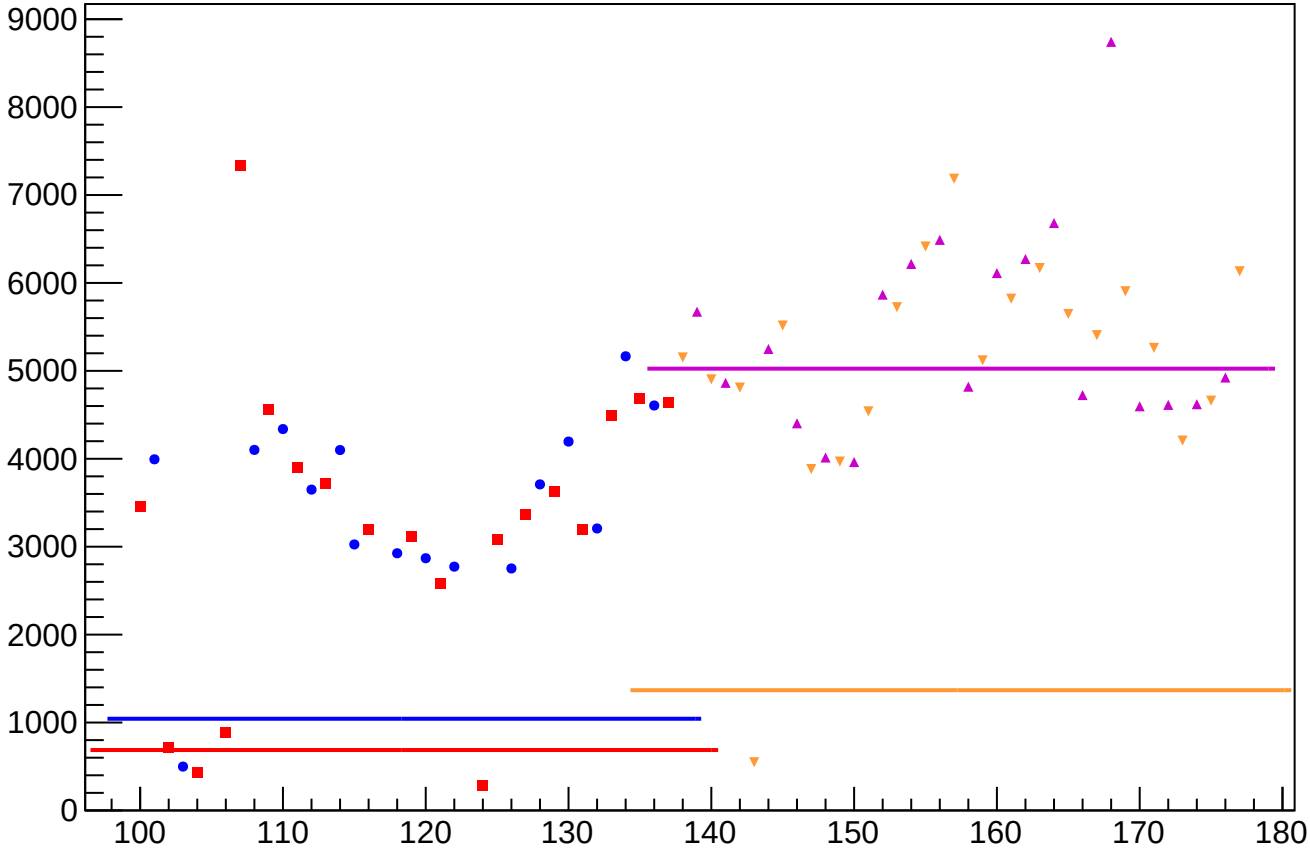
Left In: -435.208+/-1300.980 χ^2/NDF:11.1/18

+ sign -402.527+/-403.653 χ^2/NDF: 46.0/36

All: -457.647+/-285.479 χ^2/NDF: 75.6/74

- sign -512.807+/-403.803 χ^2/NDF: 29.6/37

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1367.713+/-0.390 χ^2/NDF:20647700.6/20

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

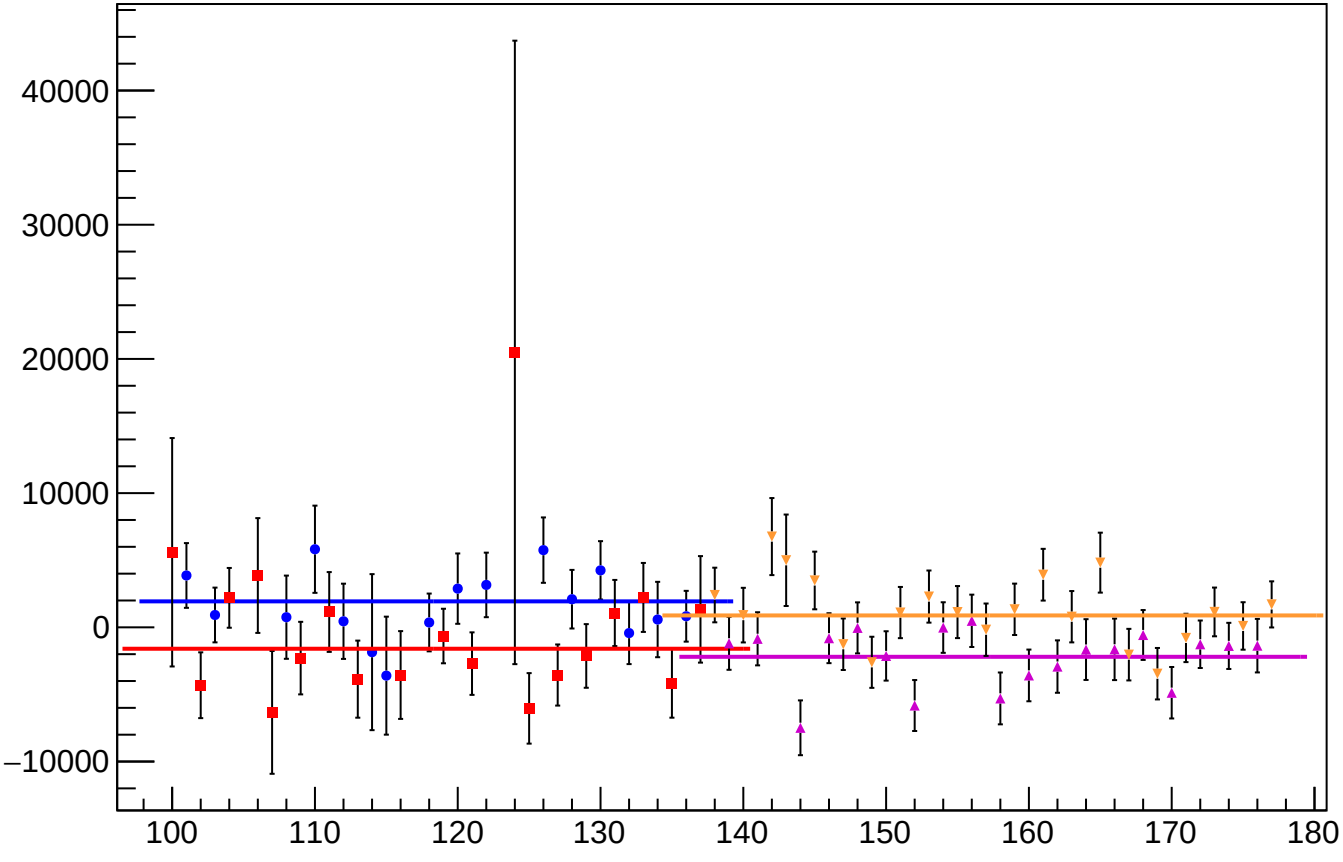
Left In: 5025.078+/-0.920 χ^2/NDF:1028648.6/18

+ sign 1216.603+/-0.285 χ^2/NDF: 29081387.1/36

All: 1160.932+/-0.202 χ^2/NDF: 58909686.4/7

- sign 1105.220+/-0.286 χ^2/NDF: 29752186.5/37

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 886.742+/-432.294 χ^2/NDF:27.5/20

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

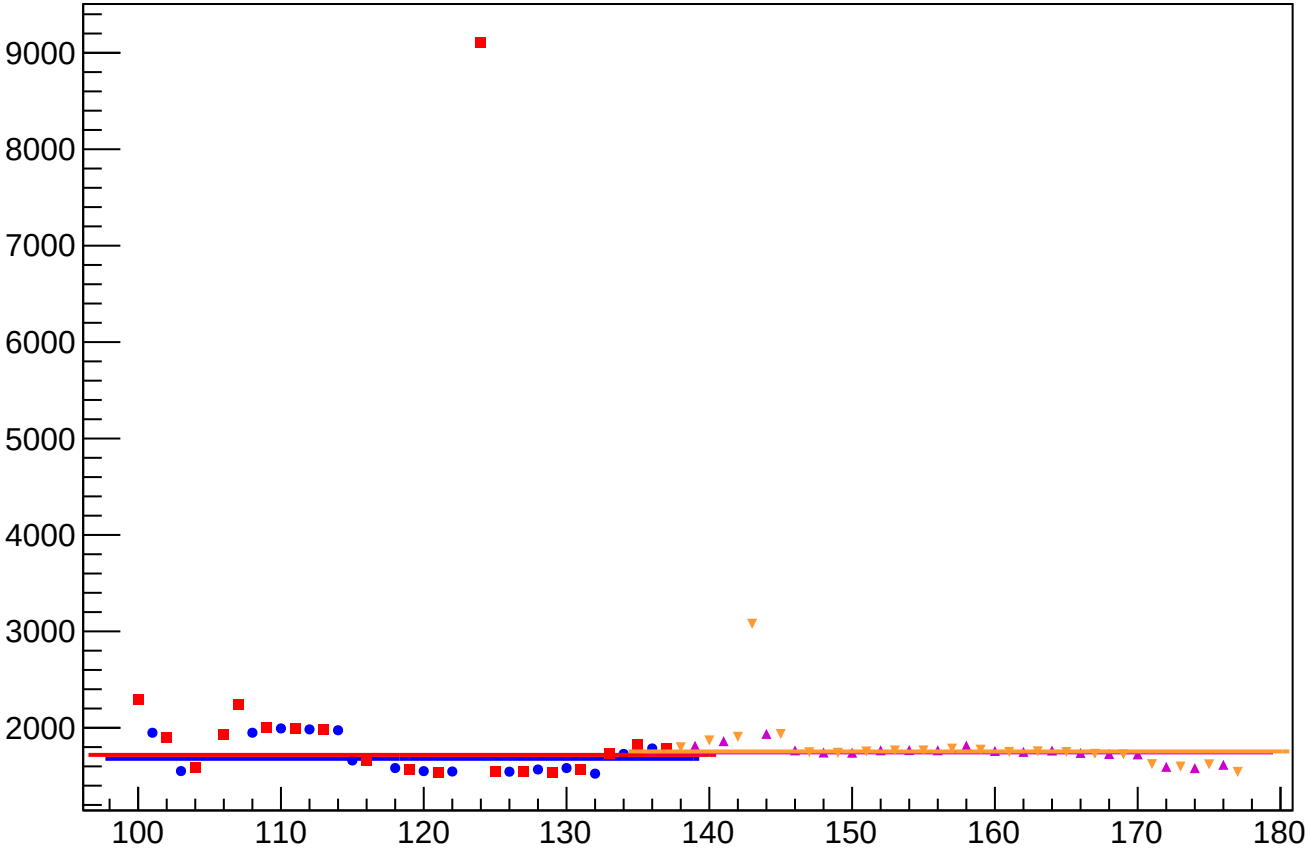
Left In: -2196.073+/-443.181 χ^2/NDF:22.9/18

+ sign 1223.812+/-356.062 χ^2/NDF: 40.3/36

All: -350.342+/-254.793 χ^2/NDF: 123.2/74

- sign -2002.339+/-364.759 χ^2/NDF: 42.9/37

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1754.877+/-0.306 χ^2/NDF:398142.9/20

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

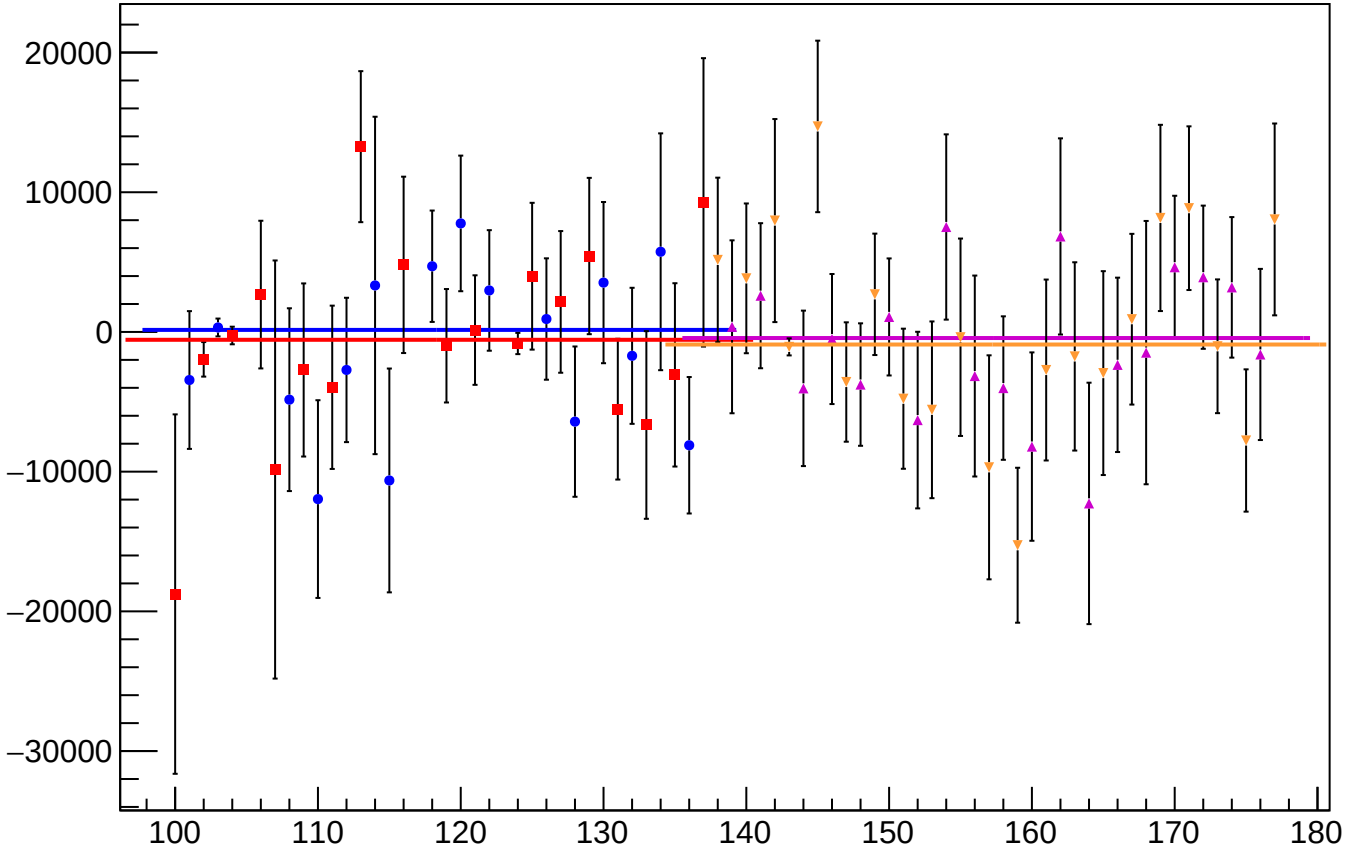
Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

+ sign 1730.329+/-0.252 χ^2/NDF: 559680.3/36

All: 1733.367+/-0.180 χ^2/NDF: 1019072.3/74

- sign 1736.546+/-0.258 χ^2/NDF: 459094.0/37

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -899.394+/-552.120 χ^2/NDF:28.4/20

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

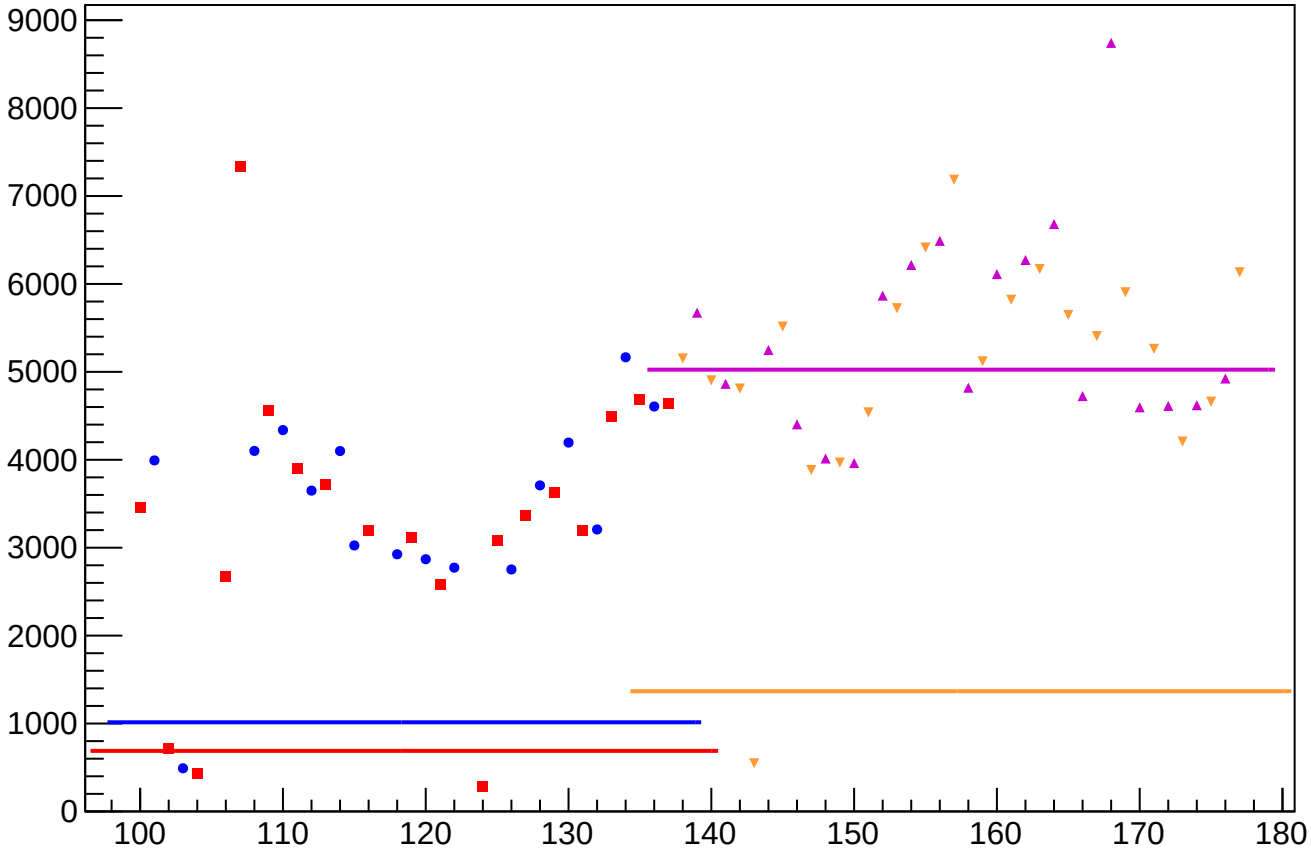
Left In: -435.346+/-1300.979 χ^2/NDF:11.1/18

+ sign -401.586+/-399.690 χ^2/NDF: 45.9/36

All: -473.632+/-285.793 χ^2/NDF: 74.3/74

- sign -549.002+/-408.809 χ^2/NDF: 28.3/37

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1367.639+/-0.390 χ^2/NDF:20648205.6/20

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

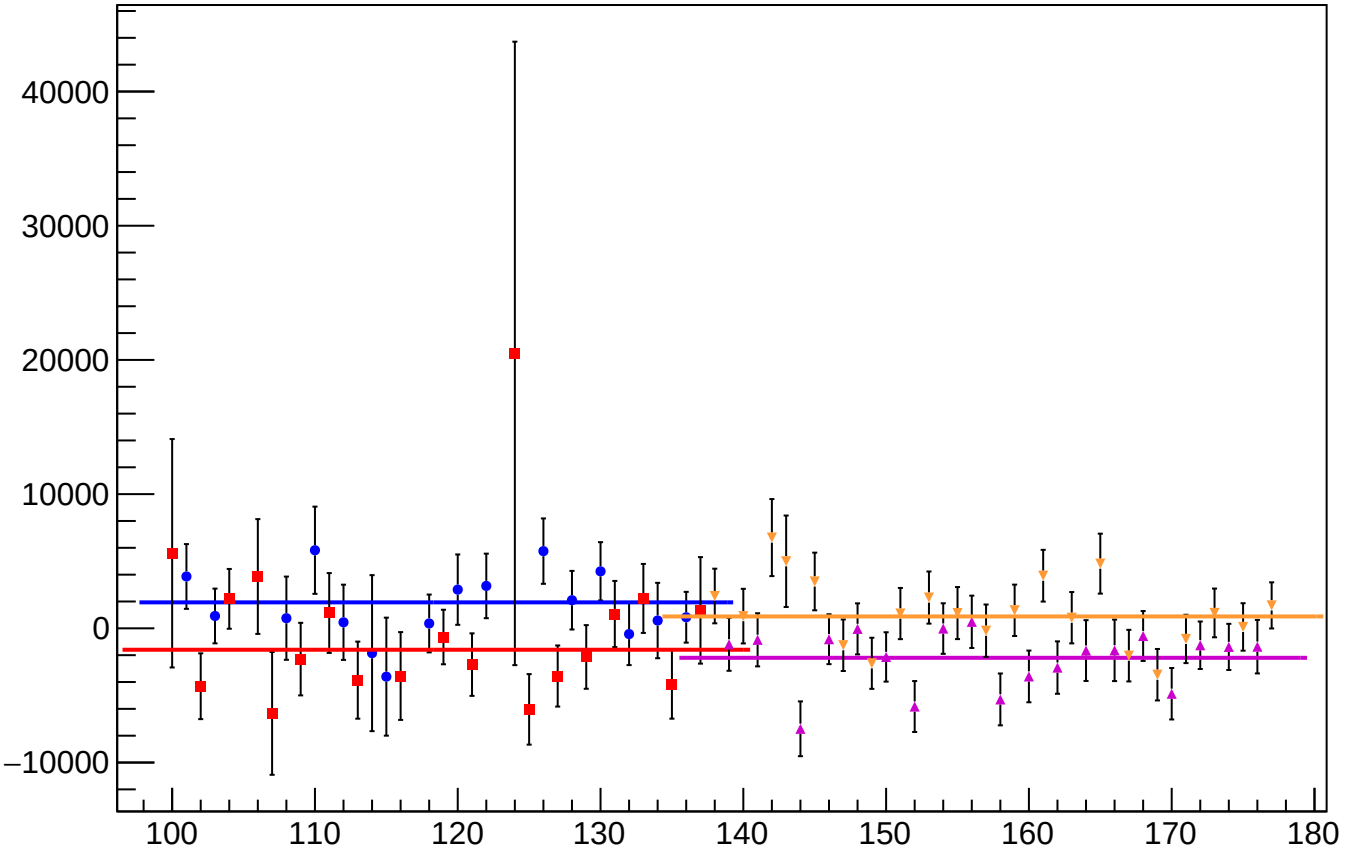
Left In: 5025.074+/-0.920 χ^2/NDF:1028667.4/18

+ sign 1199.372+/-0.283 χ^2/NDF: 29261530.8/36

All: 1159.213+/-0.202 χ^2/NDF: 59264497.0/7

- sign 1117.200+/-0.289 χ^2/NDF: 29961651.7/37

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 886.742+/-432.294 χ^2/NDF:27.5/20

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

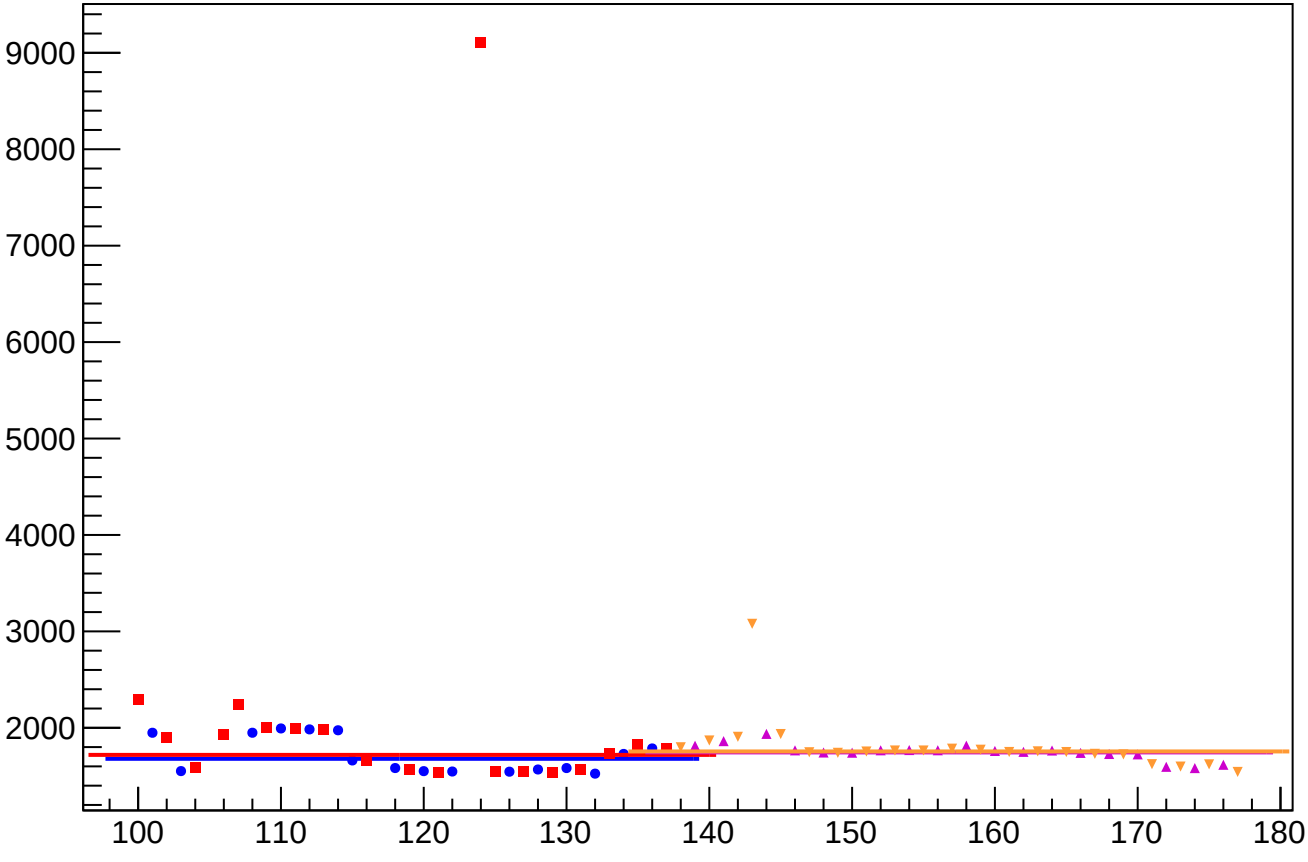
Left In: -2196.073+/-443.181 χ^2/NDF:22.9/18

+ sign 1223.812+/-356.062 χ^2/NDF: 40.3/36

All: -350.342+/-254.793 χ^2/NDF: 123.2/74

- sign -2002.339+/-364.759 χ^2/NDF: 42.9/37

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1754.877+/-0.306 χ^2/NDF:398142.9/20

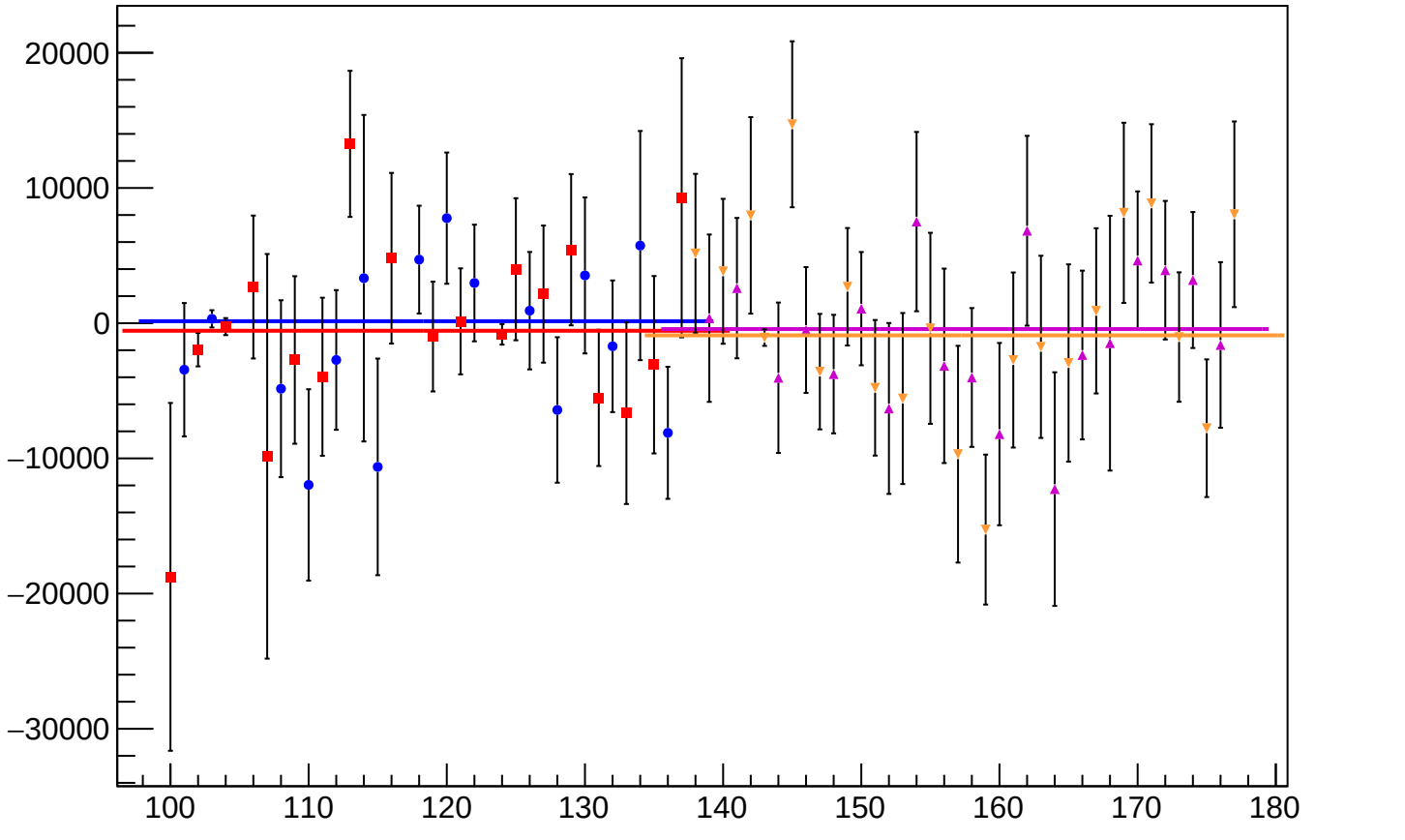
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

+ sign 1730.329+/-0.252 χ^2/NDF: 559680.3/36

All: 1733.367+/-0.180 χ^2/NDF: 1019072.3/74

- sign 1736.546+/-0.258 χ^2/NDF: 459094.0/37



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -899.394+/-552.120 χ^2/NDF:28.4/20

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

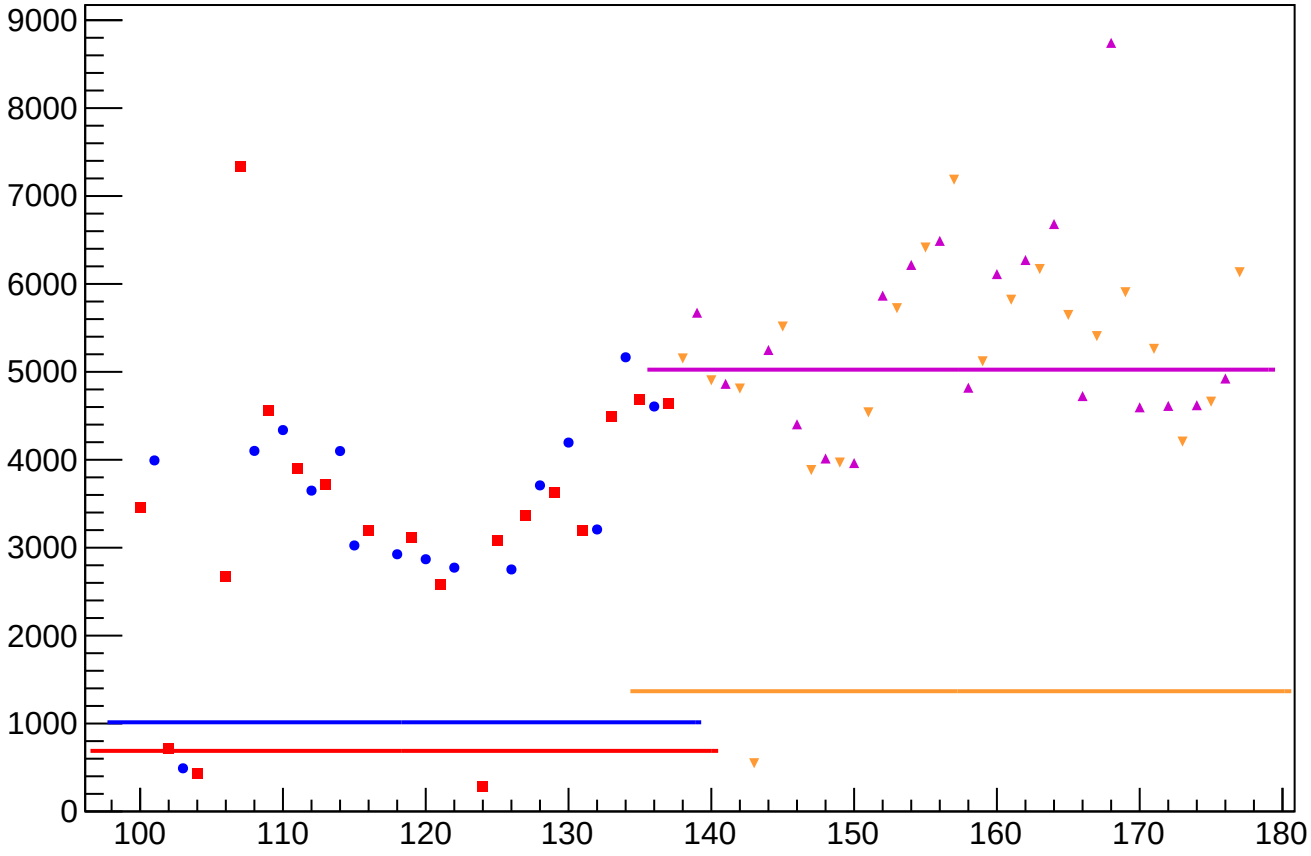
Left In: -435.346+/-1300.979 χ^2/NDF:11.1/18

+ sign -401.586+/-399.690 χ^2/NDF: 45.9/36

All: -473.632+/-285.793 χ^2/NDF: 74.3/74

- sign -549.002+/-408.809 χ^2/NDF: 28.3/37

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1367.639+/-0.390 χ^2/NDF:20648205.6/20

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

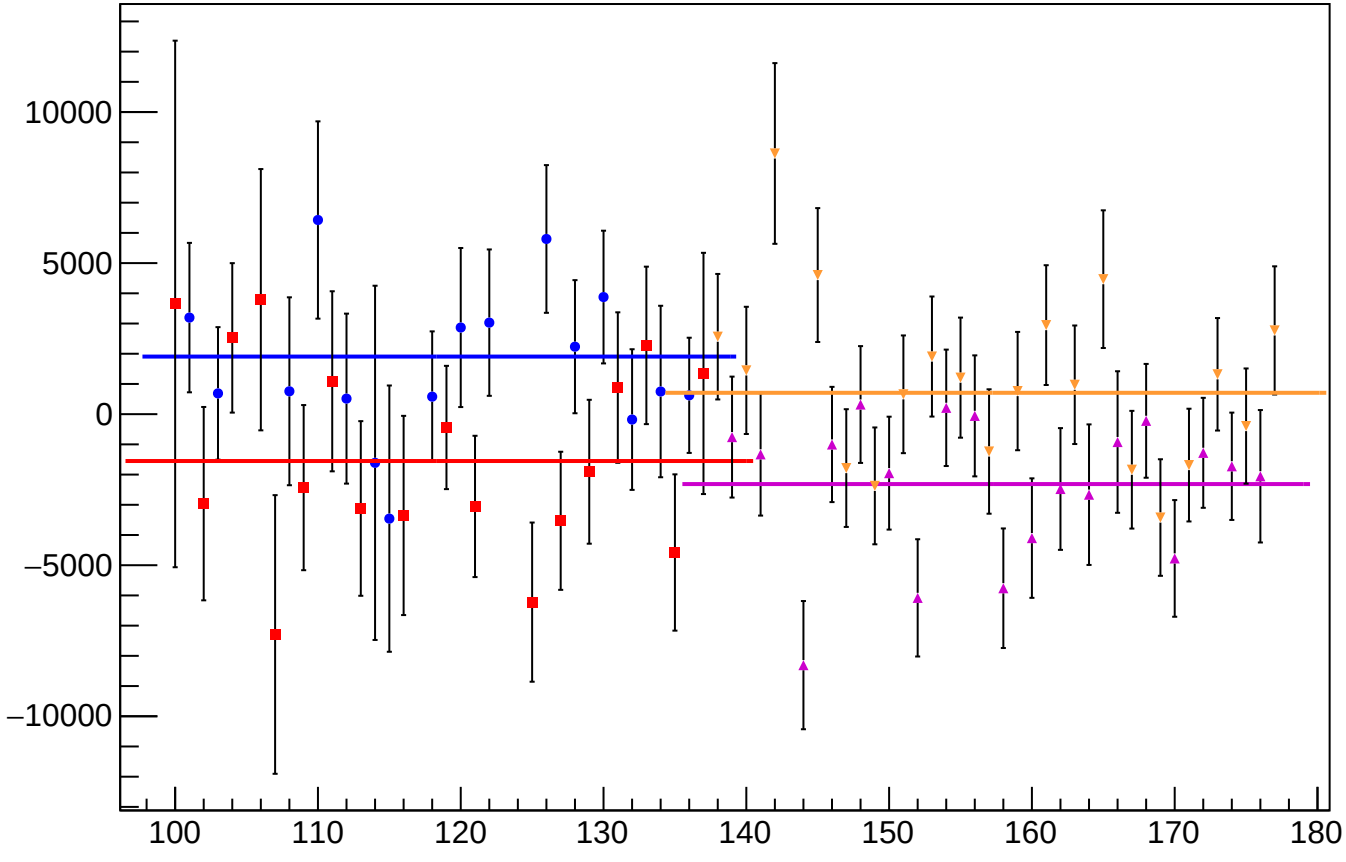
Left In: 5025.074+/-0.920 χ^2/NDF:1028667.4/18

+ sign 1199.372+/-0.283 χ^2/NDF: 29261530.8/36

All: 1159.213+/-0.202 χ^2/NDF: 59264497.0/7

- sign 1117.200+/-0.289 χ^2/NDF: 29961651.7/37

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 707.097+/-452.593 χ^2/NDF:29.9/19

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

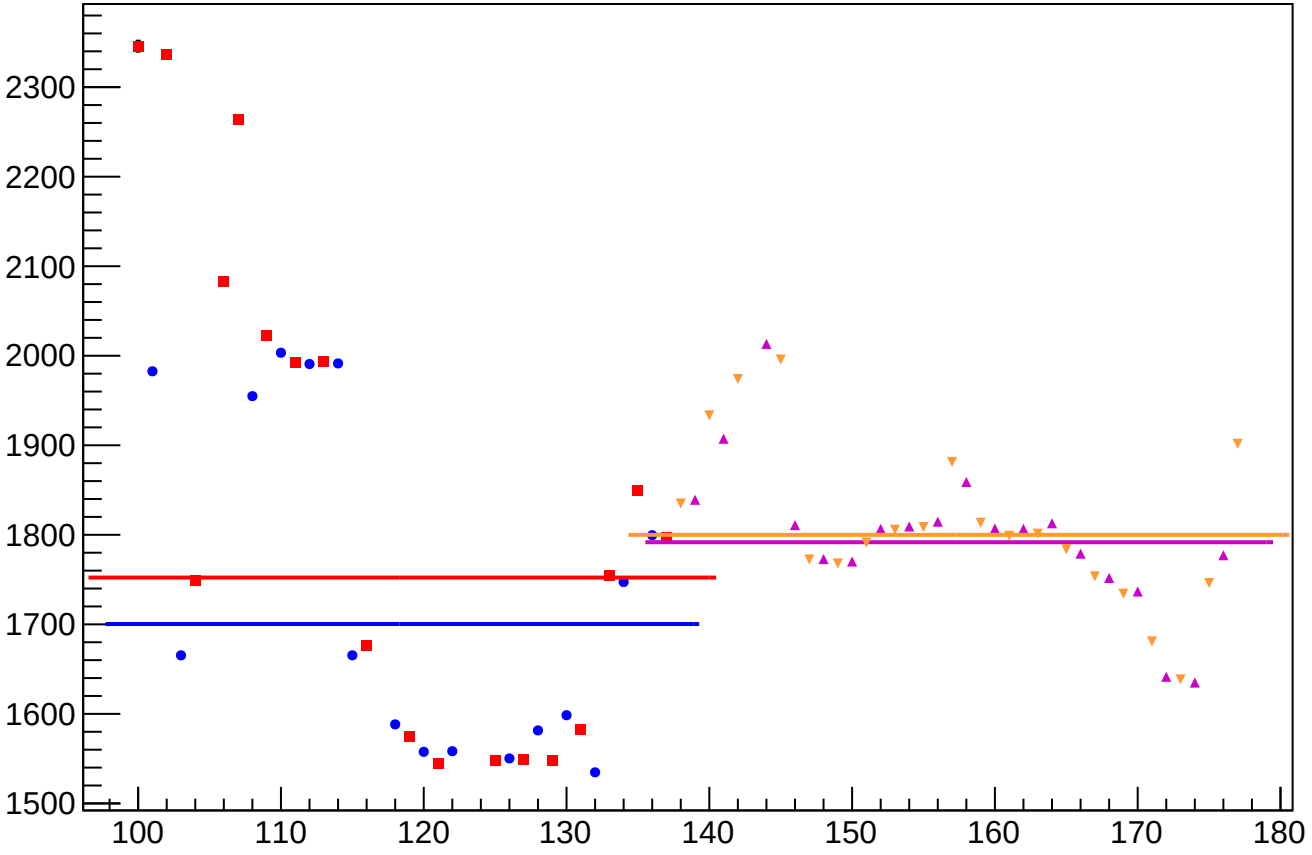
Left In: -2313.846+/-455.048 χ^2/NDF:25.5/18

+ sign 1109.837+/-368.838 χ^2/NDF: 42.5/35

All: -453.779+/-262.900 χ^2/NDF: 122.8/72

- sign -2068.583+/-374.827 χ^2/NDF: 43.8/36

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1799.954+/-0.320 χ^2/NDF:68165.7/19

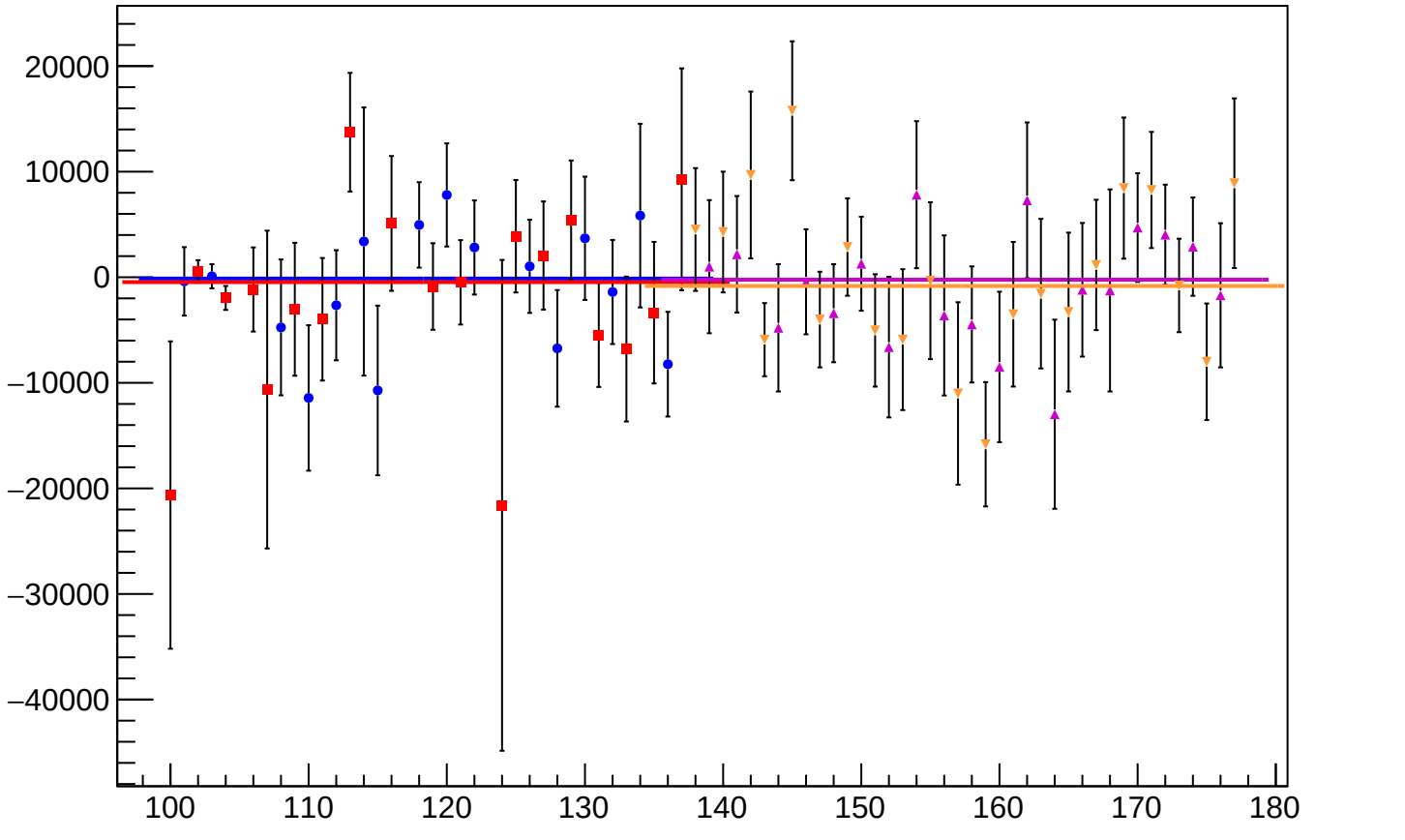
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1791.729+/-0.322 χ^2/NDF:65200.2/18

+ sign 1766.503+/-0.261 χ^2/NDF: 236113.9/35

All: 1772.652+/-0.186 χ^2/NDF: 555253.7/72

- sign 1778.993+/-0.265 χ^2/NDF: 318010.6/36



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -825.356+/-1253.597 χ^2/NDF:30.3/20

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

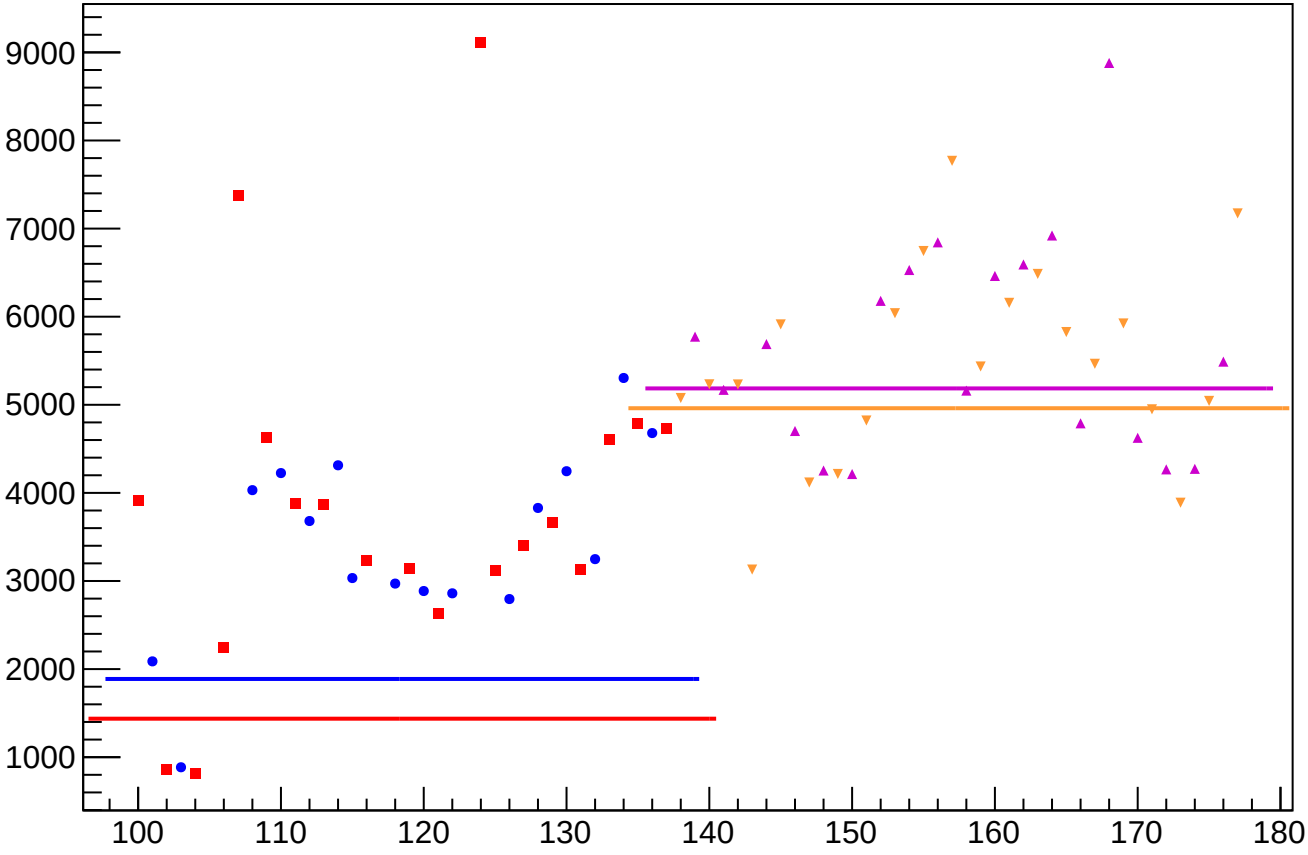
Left In: -233.983+/-1345.193 χ^2/NDF:11.1/18

+ sign -352.150+/-713.432 χ^2/NDF: 45.6/36

All: -387.854+/-461.988 χ^2/NDF: 75.3/74

- sign -413.637+/-606.269 χ^2/NDF: 29.6/37

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4961.003+/-0.886 χ^2/NDF:1627338.5/20

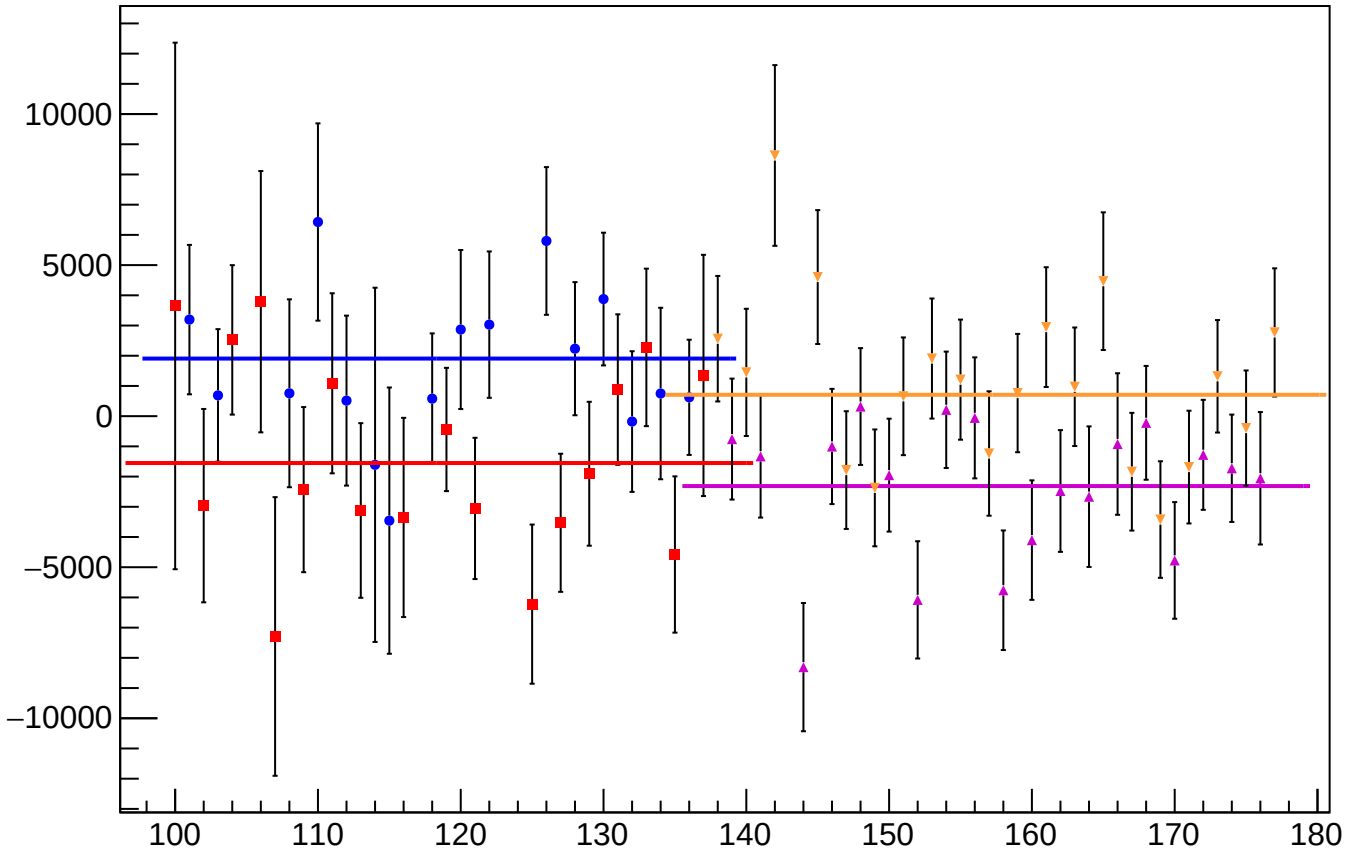
Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5185.849+/-0.951 χ^2/NDF:1138130.0/18

+ sign 2883.296+/-0.504 χ^2/NDF: 14178751.5/36

All: 2485.695+/-0.327 χ^2/NDF: 34728046.9/7

- sign 2198.568+/-0.429 χ^2/NDF: 19479523.9/37



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 707.094+/-452.593 χ^2/NDF:29.9/19

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

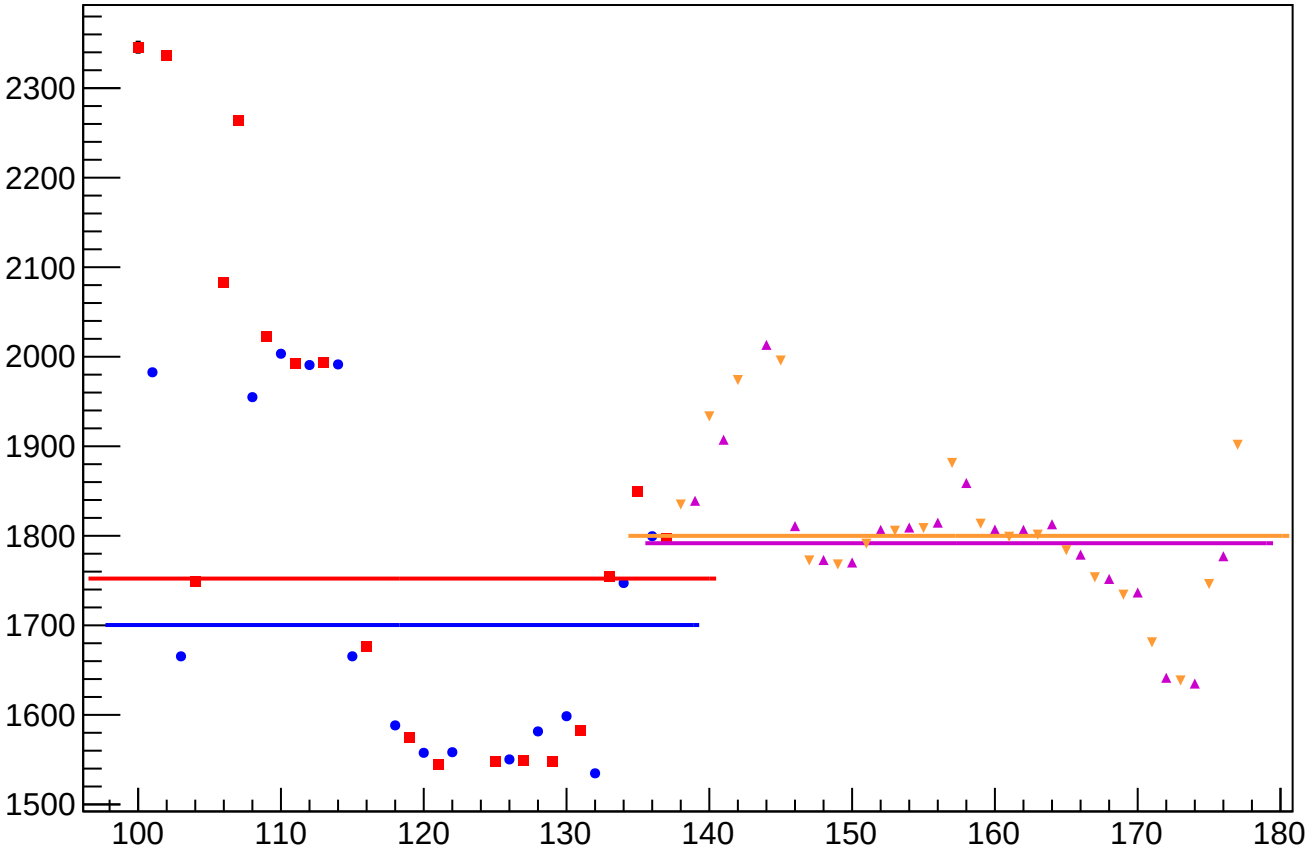
Left In: -2313.847+/-455.049 χ^2/NDF:25.5/18

+ sign 1109.834+/-368.838 χ^2/NDF: 42.5/35

All: -453.780+/-262.900 χ^2/NDF: 122.8/72

- sign -2068.582+/-374.827 χ^2/NDF: 43.8/36

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1799.955+/-0.320 χ^2/NDF:68168.7/19

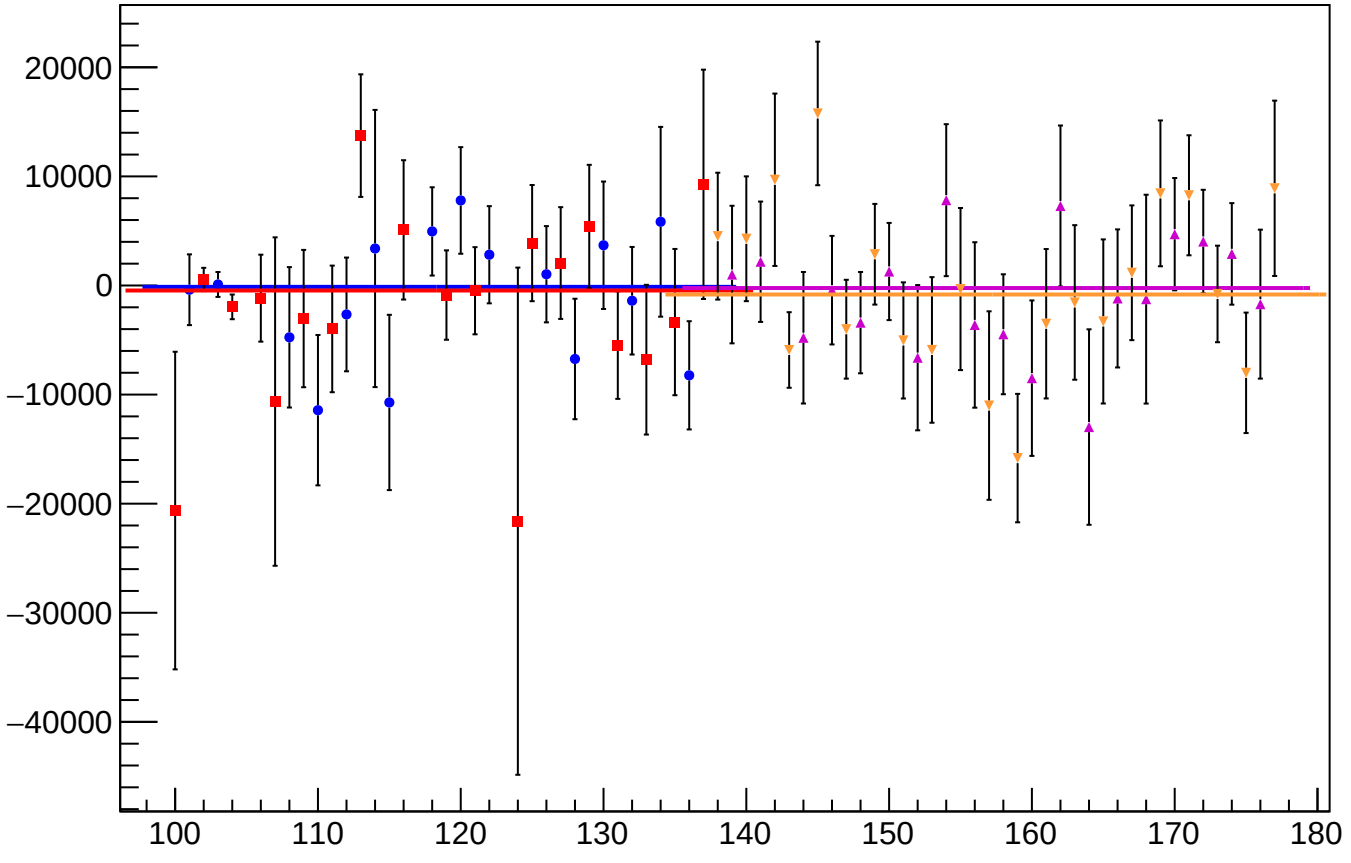
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1791.730+/-0.322 χ^2/NDF:65202.3/18

+ sign 1766.503+/-0.261 χ^2/NDF: 236117.9/35

All: 1772.652+/-0.186 χ^2/NDF: 555259.6/72

- sign 1778.994+/-0.265 χ^2/NDF: 318012.6/36



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -825.362+/-1253.598 χ^2/NDF:30.3/20

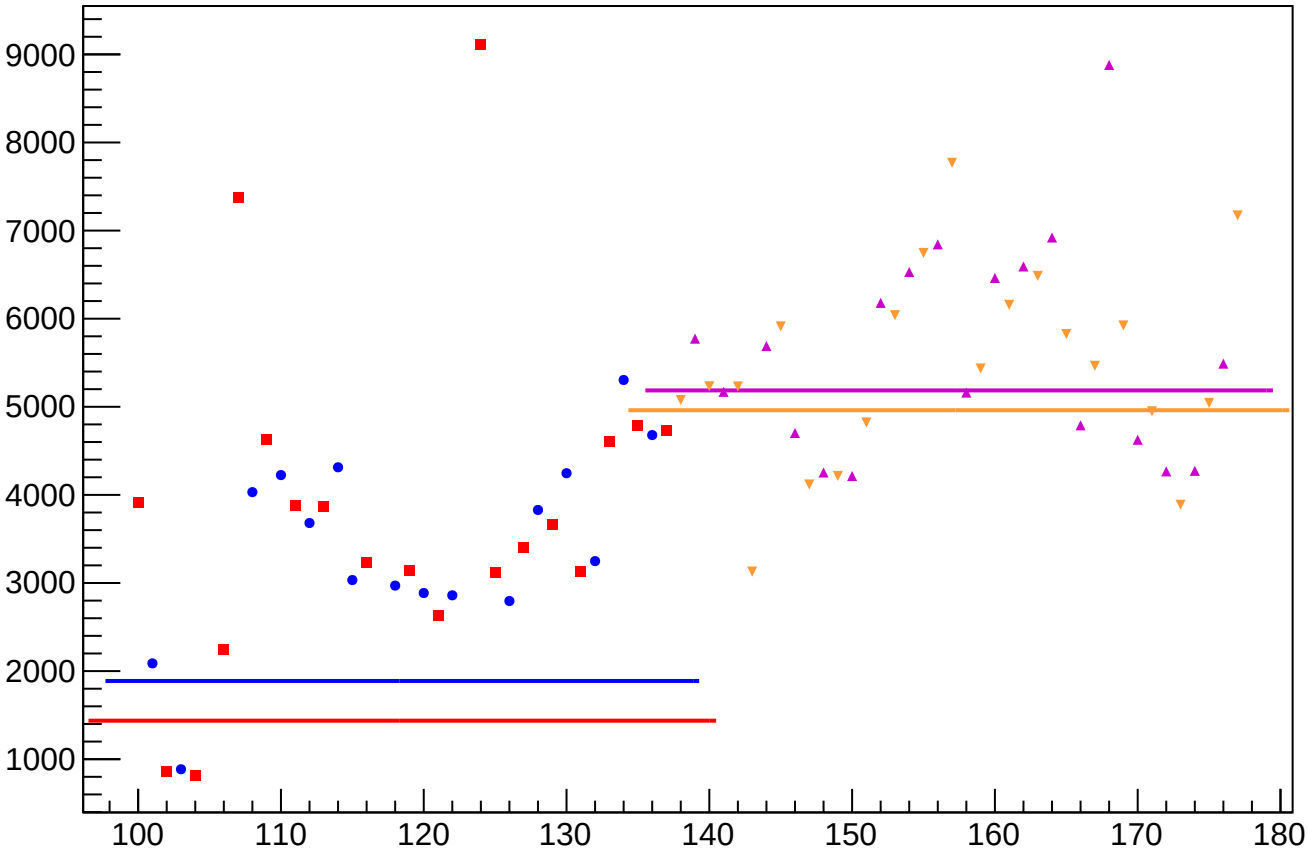
Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: -233.984+/-1345.195 χ^2/NDF:11.1/18

+ sign -352.147+/-713.429 χ^2/NDF: 45.6/36

All: -387.852+/-461.985 χ^2/NDF: 75.3/74

- sign -413.637+/-606.266 χ^2/NDF: 29.6/37



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4961.011+/-0.886 χ^2/NDF:1627344.4/20

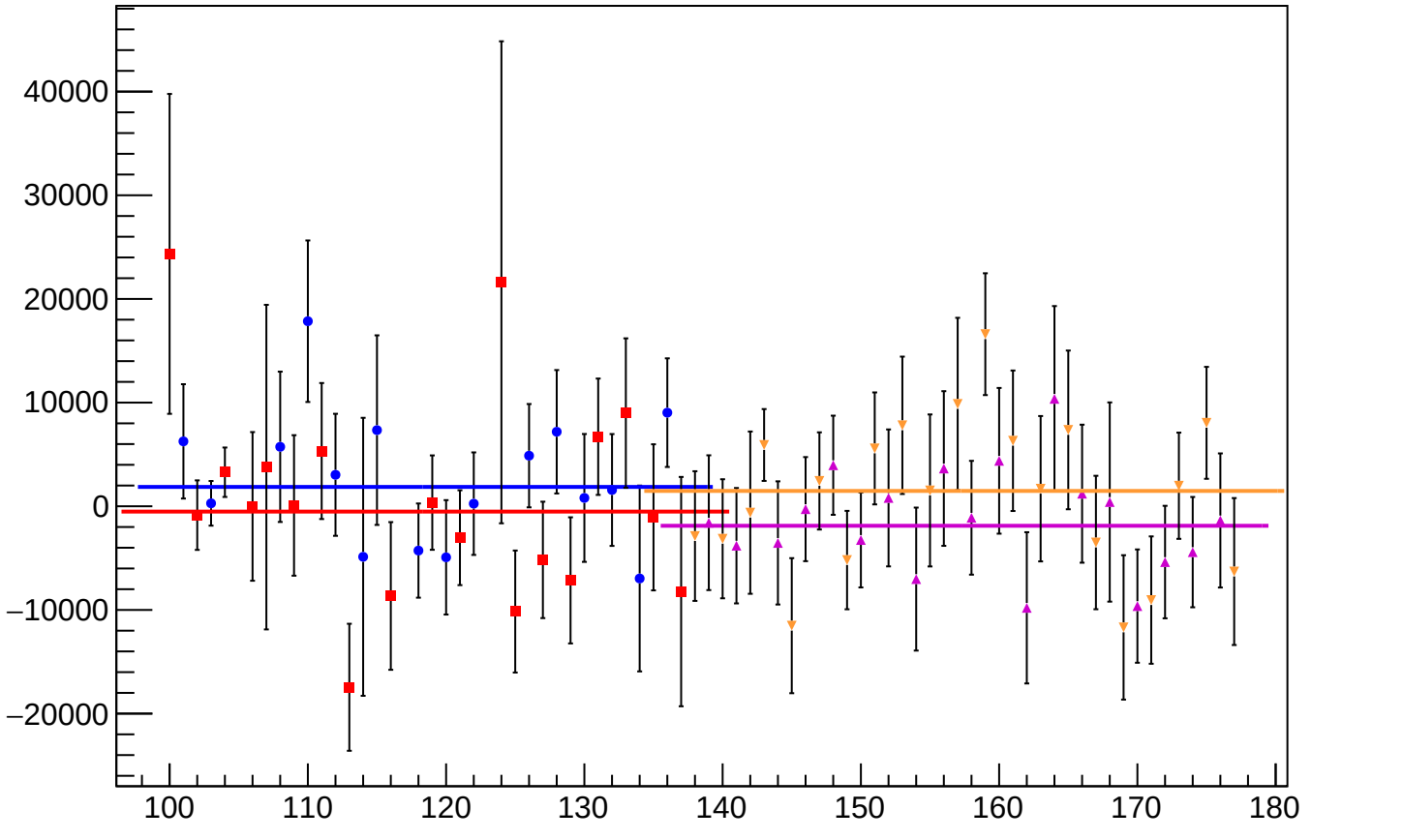
Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5185.858+/-0.951 χ^2/NDF:1138130.4/18

+ sign 2883.277+/-0.504 χ^2/NDF: 14178937.2/36

All: 2485.674+/-0.327 χ^2/NDF: 34728429.8/7

- sign 2198.548+/-0.429 χ^2/NDF: 19479709.8/37



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1479.645+/-1279.375 χ^2/NDF:28.9/20

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

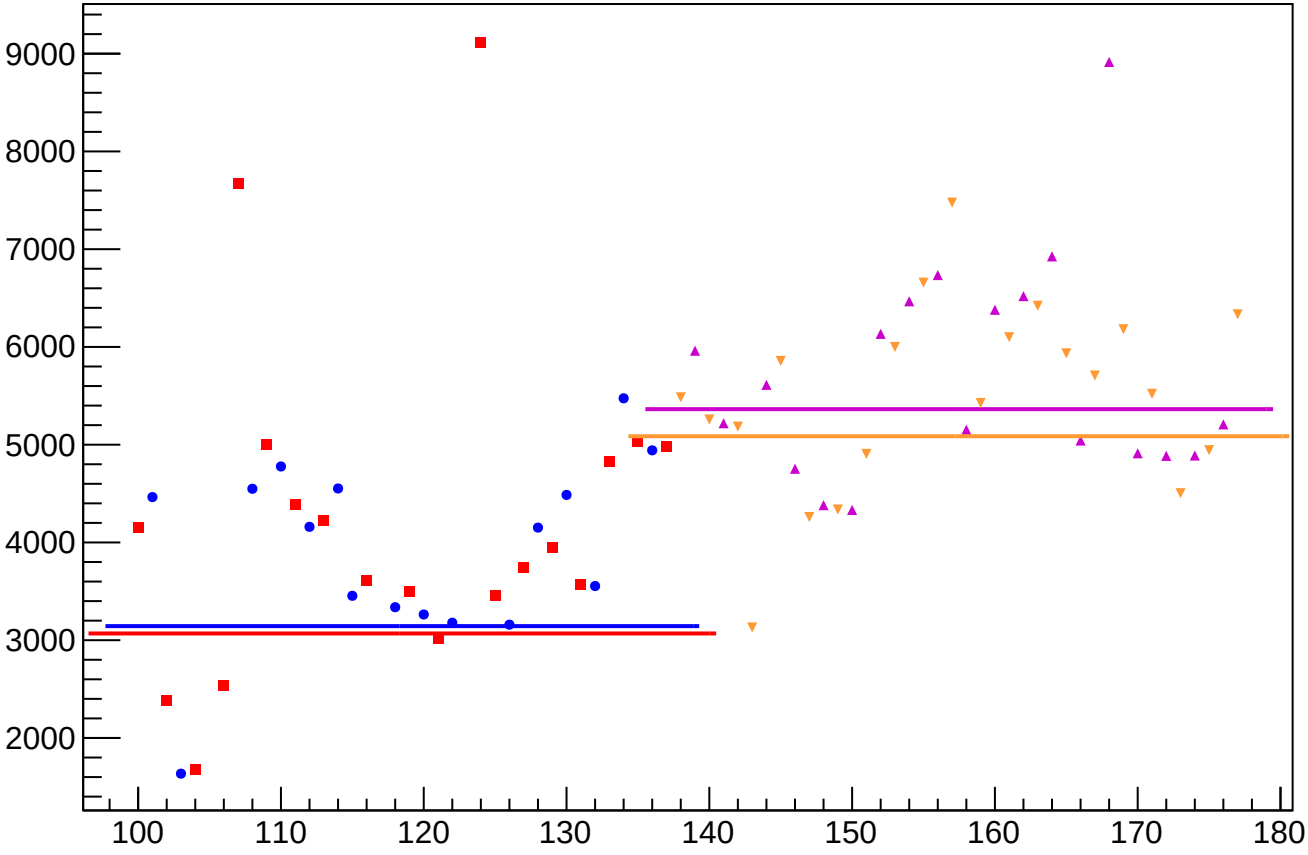
Left In: -1880.818+/-1383.932 χ^2/NDF:10.0/18

+ sign 1676.209+/-897.432 χ^2/NDF: 42.7/36

All: 317.807+/-643.817 χ^2/NDF: 82.6/74

- sign -1122.667+/-924.145 χ^2/NDF: 35.2/37

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5086.465+/-0.905 χ^2/NDF:1401492.7/20

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

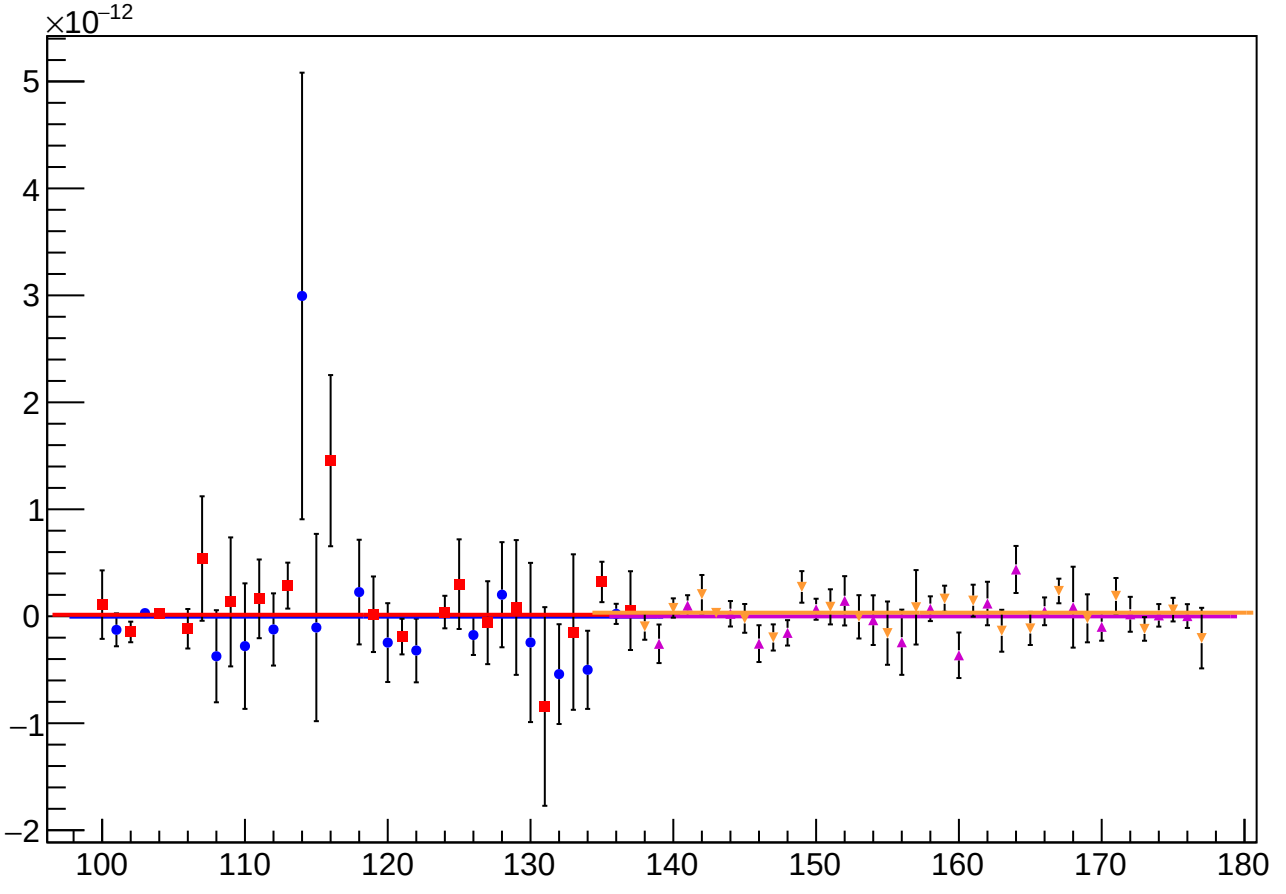
Left In: 5363.663+/-0.979 χ^2/NDF:863223.8/18

+ sign 4099.854+/-0.635 χ^2/NDF: 5626182.0/36

All: 4087.438+/-0.453 χ^2/NDF: 11460762.5/7

- sign 4074.501+/-0.648 χ^2/NDF: 5833798.9/37

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:19.3/20

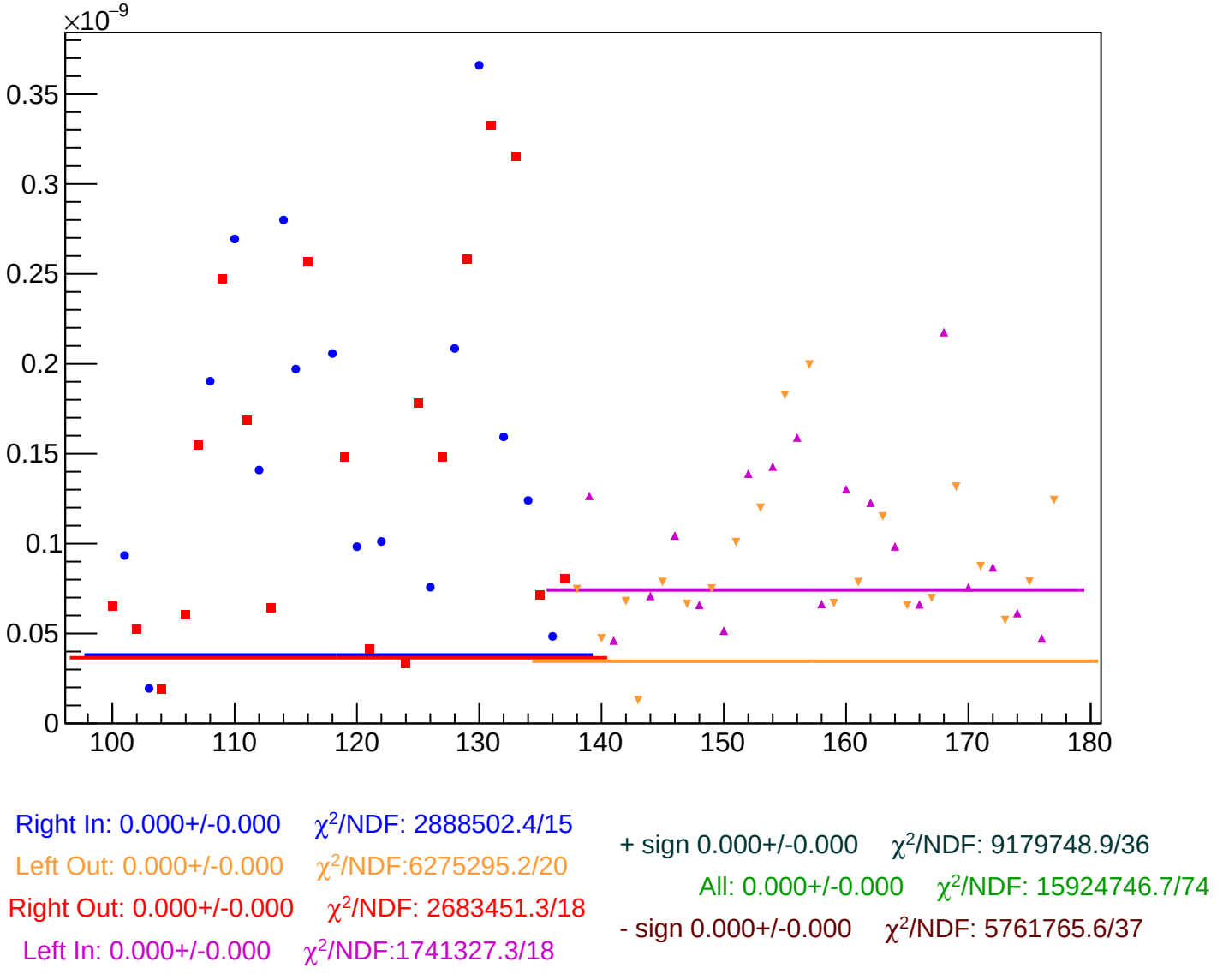
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

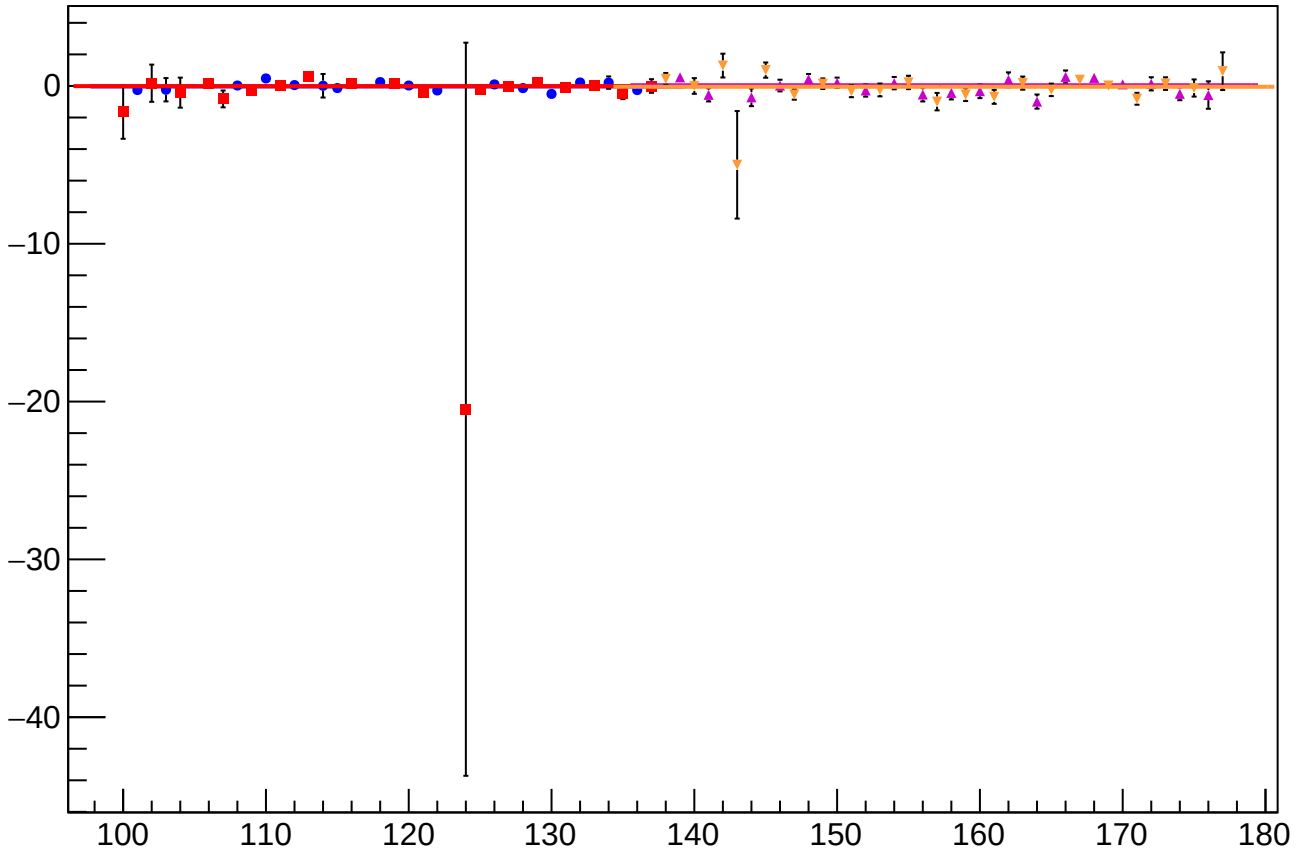
Left In: -0.000+/-0.000 χ^2/NDF:16.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 30.9/36

All: 0.000+/-0.000 χ^2/NDF: 63.2/74

- sign 0.000+/-0.000 χ^2/NDF: 31.9/37


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6275295.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:1741327.3/18
+ sign 0.000+/-0.000 χ²/NDF: 9179748.9/36
All: 0.000+/-0.000 χ²/NDF: 15924746.7/74
- sign 0.000+/-0.000 χ²/NDF: 5761765.6/37



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

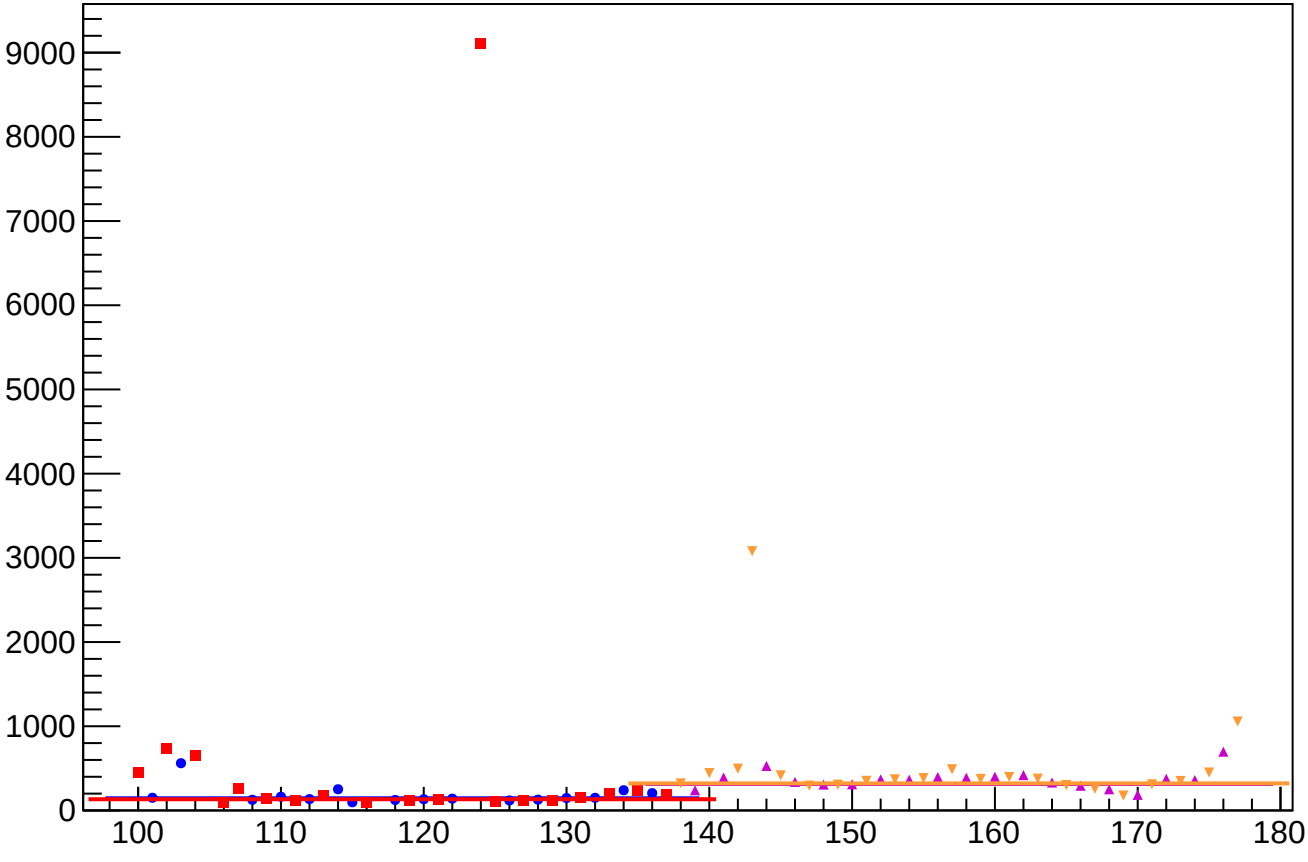
Left In: 0.045+/-0.084 χ^2/NDF:26.3/18

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/36

All: -0.014+/-0.034 χ^2/NDF: 96.3/74

- sign 0.007+/-0.047 χ^2/NDF: 48.4/37

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 321.516+/-0.061 χ^2/NDF:4065279.2/20

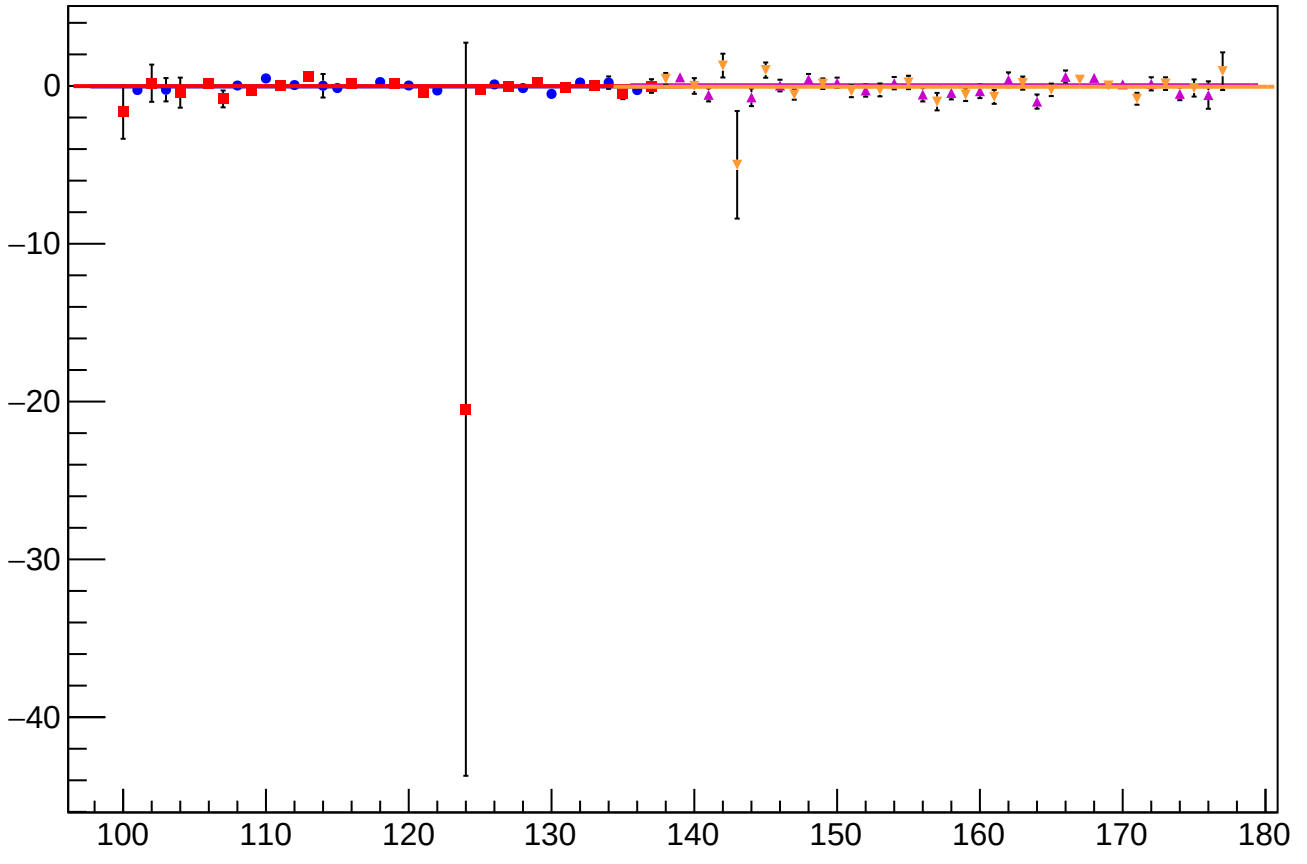
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 314.138+/-0.060 χ^2/NDF:2230879.0/18

+ sign 199.368+/-0.034 χ^2/NDF: 11032079.7/36

All: 194.276+/-0.024 χ^2/NDF: 21889085.2/74

- sign 189.411+/-0.033 χ^2/NDF: 10813003.7/37



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

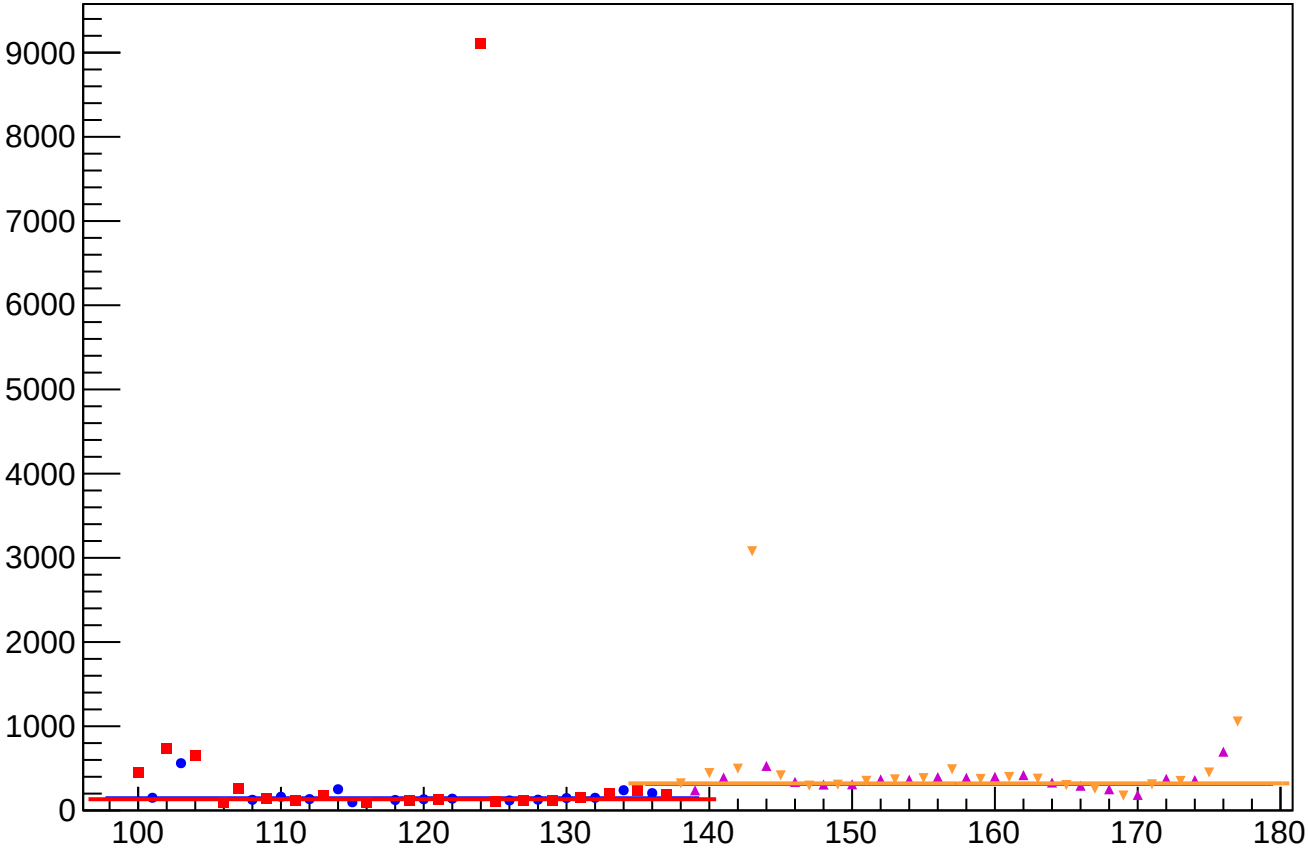
Left In: 0.045+/-0.084 χ^2/NDF:26.3/18

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/36

All: -0.014+/-0.034 χ^2/NDF: 96.3/74

- sign 0.007+/-0.047 χ^2/NDF: 48.4/37

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: 321.516+/-0.061 χ^2/NDF:4065279.2/20

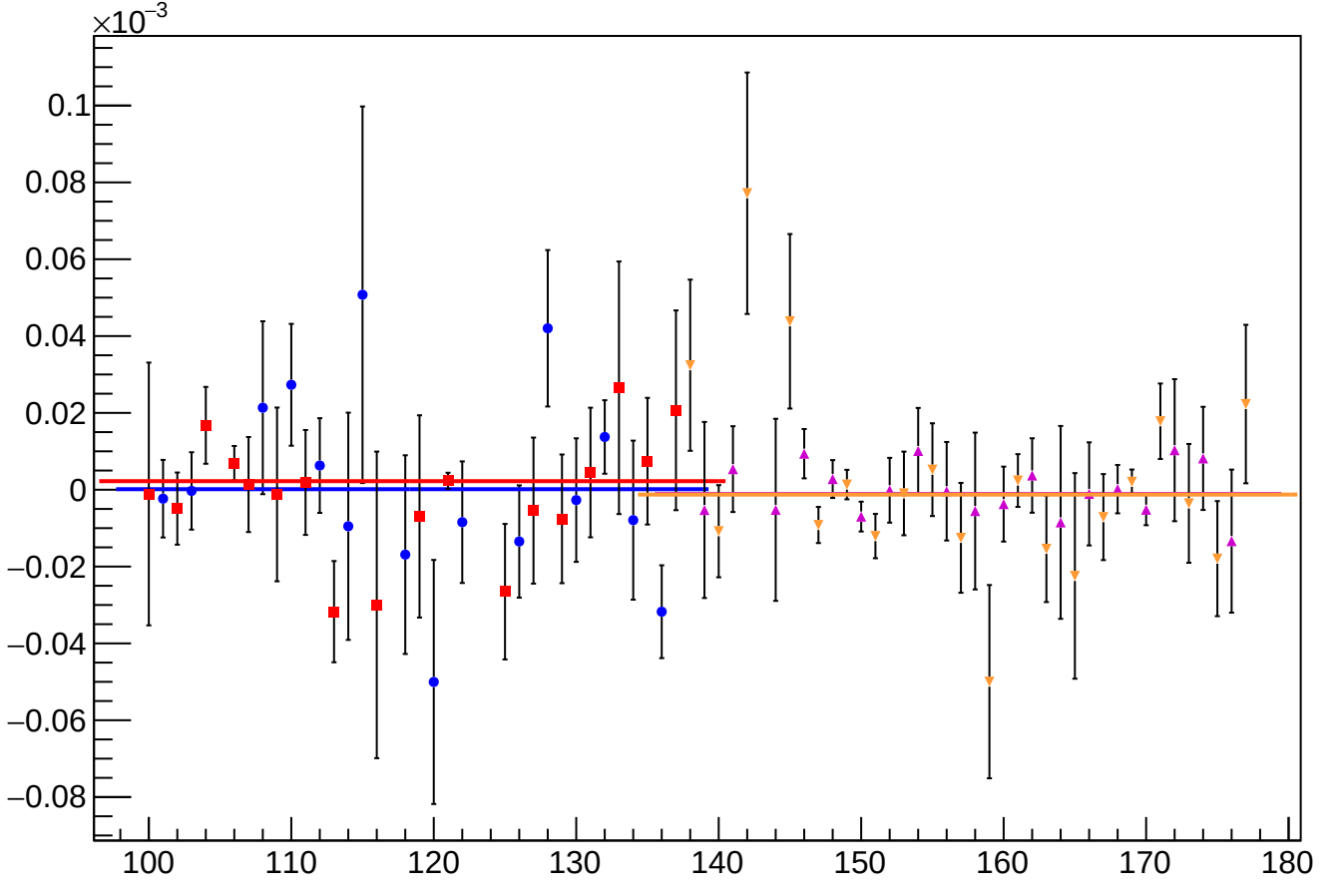
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 314.138+/-0.060 χ^2/NDF:2230879.0/18

+ sign 199.368+/-0.034 χ^2/NDF: 11032079.7/36

All: 194.276+/-0.024 χ^2/NDF: 21889085.2/74

- sign 189.411+/-0.033 χ^2/NDF: 10813003.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

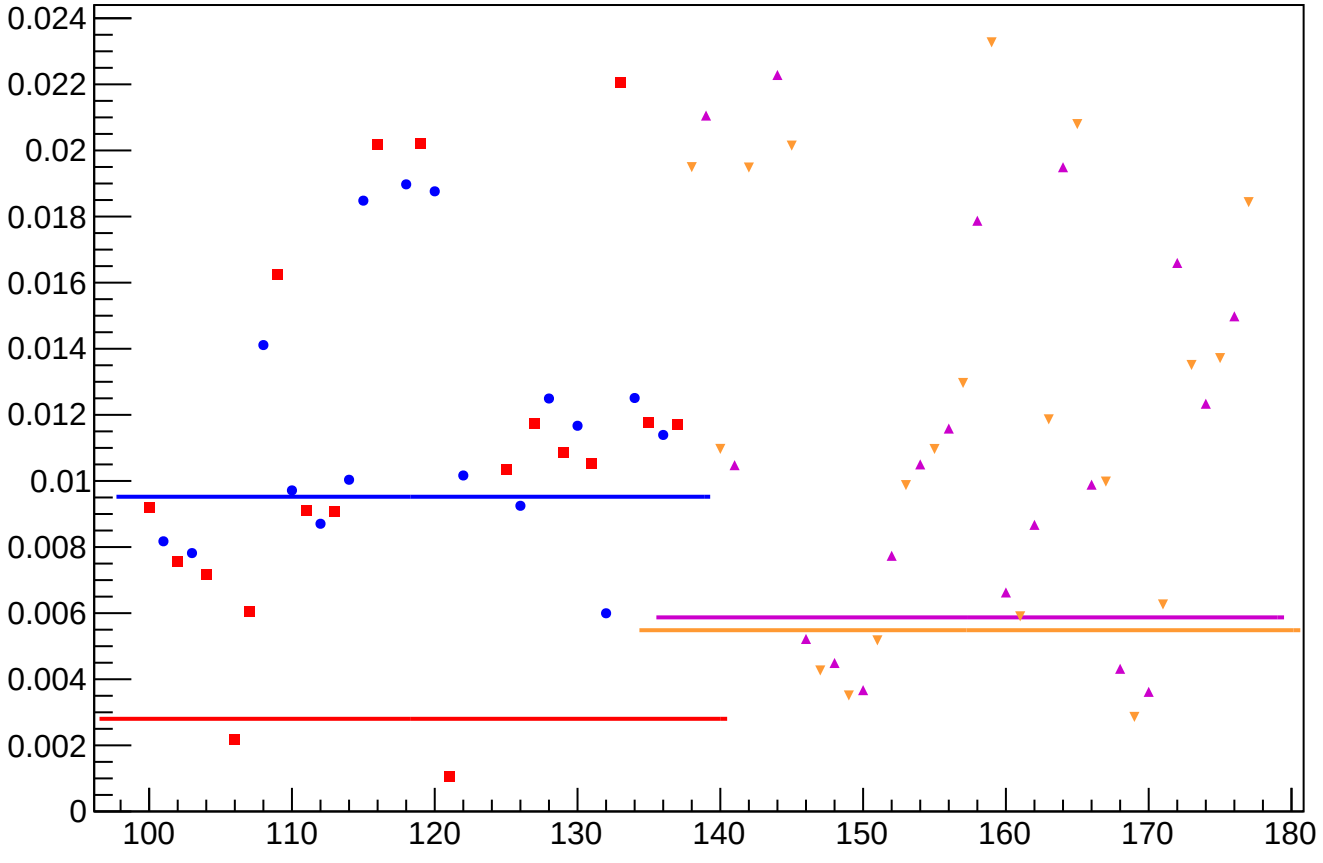
Left In: -0.000+/-0.000 χ^2/NDF:9.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/35

All: 0.000+/-0.000 χ^2/NDF: 85.0/72

- sign 0.000+/-0.000 χ^2/NDF: 27.2/36

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: 0.005+/-0.000 χ^2/NDF:10101292.7/19

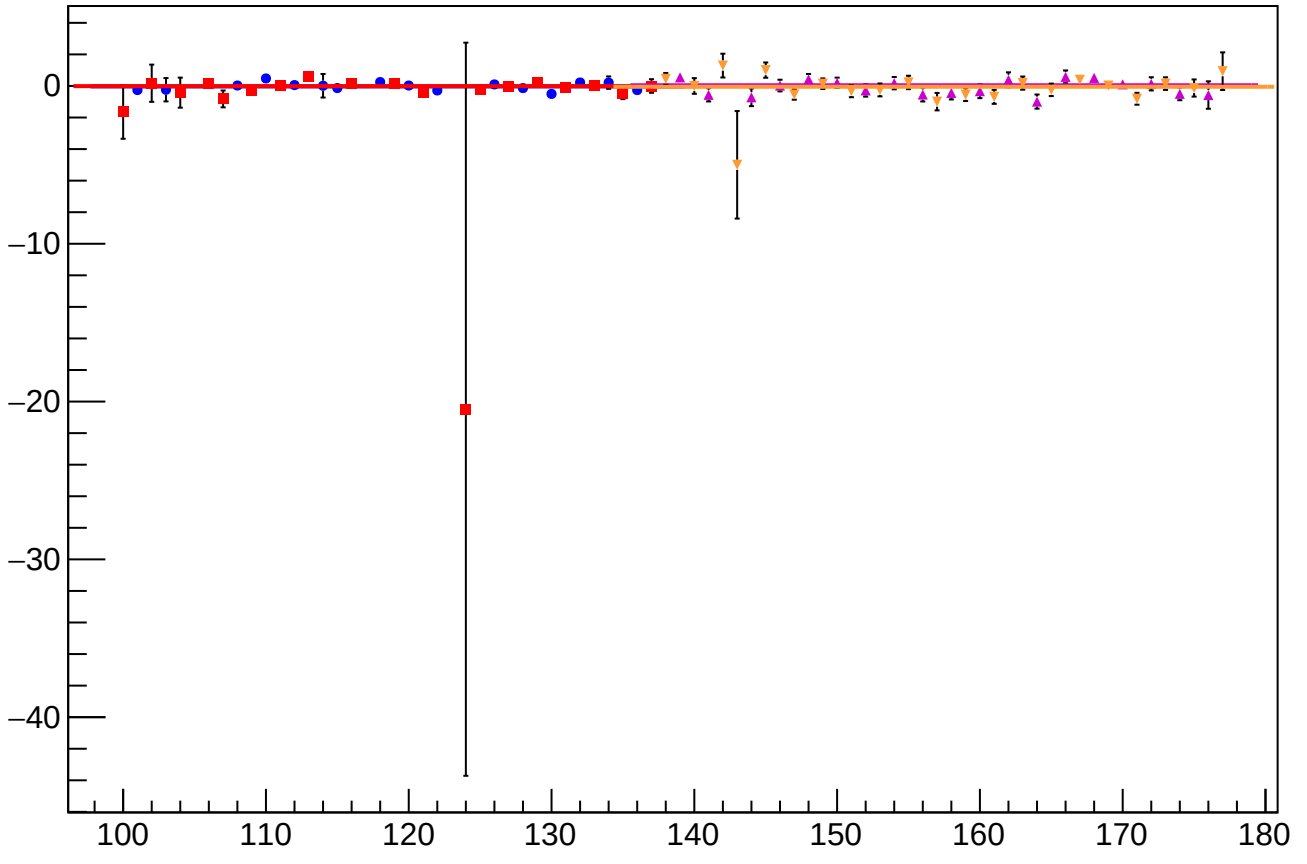
Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:7837290.0/18

+ sign 0.006+/-0.000 χ^2/NDF: 13149631.5/35

All: 0.005+/-0.000 χ^2/NDF: 34434034.1/72

- sign 0.004+/-0.000 χ^2/NDF: 19403852.5/36



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

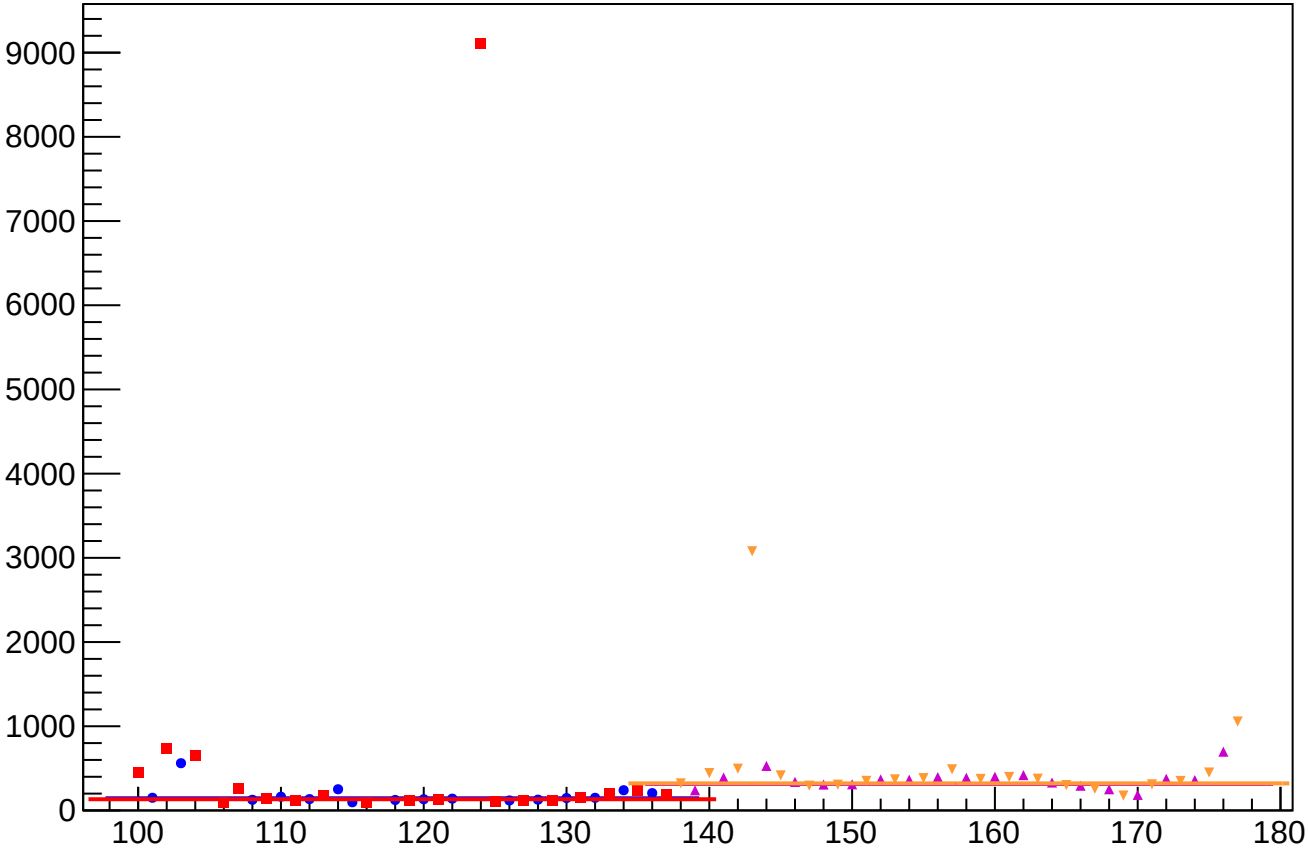
Left In: 0.045+/-0.084 χ^2/NDF:26.3/18

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/36

All: -0.014+/-0.034 χ^2/NDF: 96.3/74

- sign 0.007+/-0.047 χ^2/NDF: 48.4/37

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: 321.518+/-0.061 χ^2/NDF:4065335.4/20

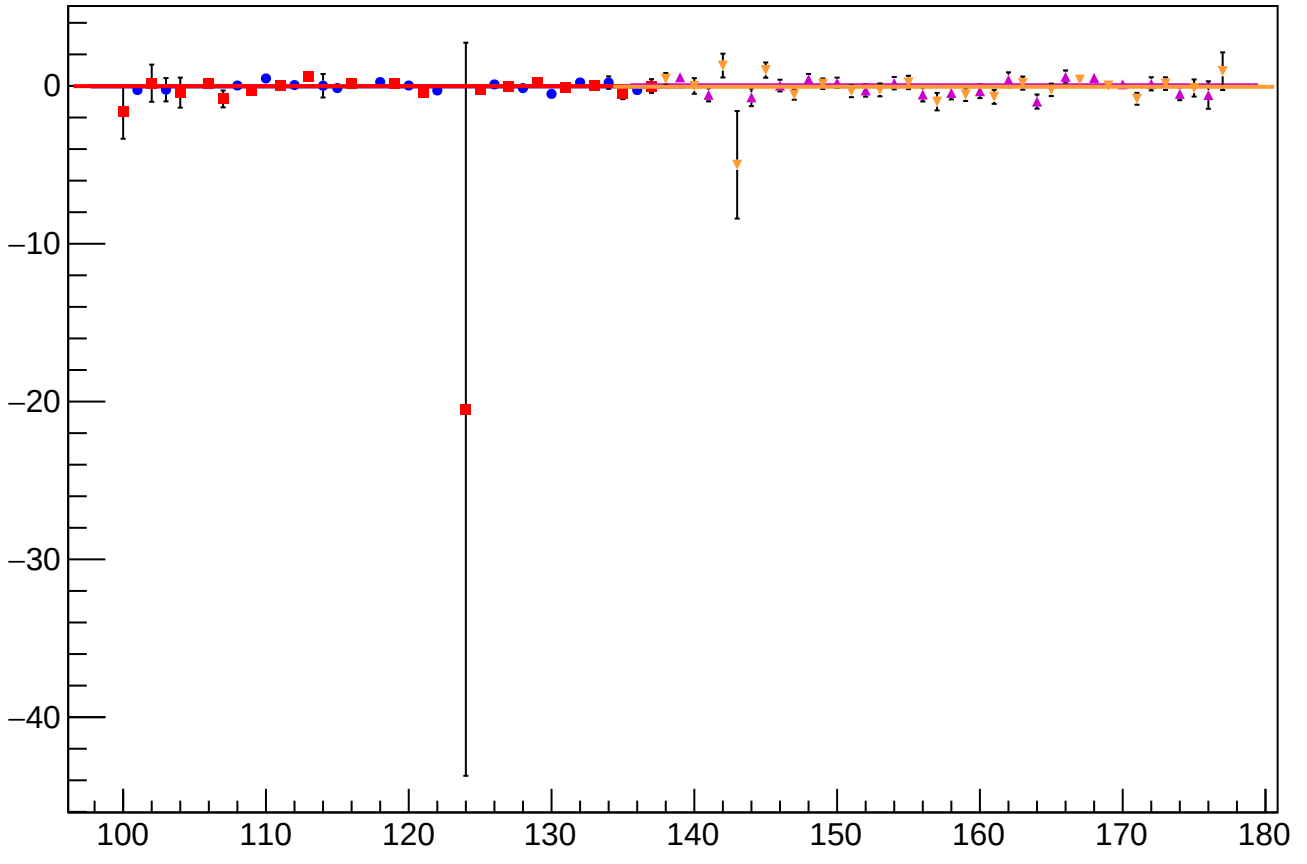
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 314.140+/-0.060 χ^2/NDF:2230878.0/18

+ sign 199.367+/-0.034 χ^2/NDF: 11032364.2/36

All: 194.275+/-0.024 χ^2/NDF: 21889506.2/74

- sign 189.410+/-0.033 χ^2/NDF: 10813147.2/37



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

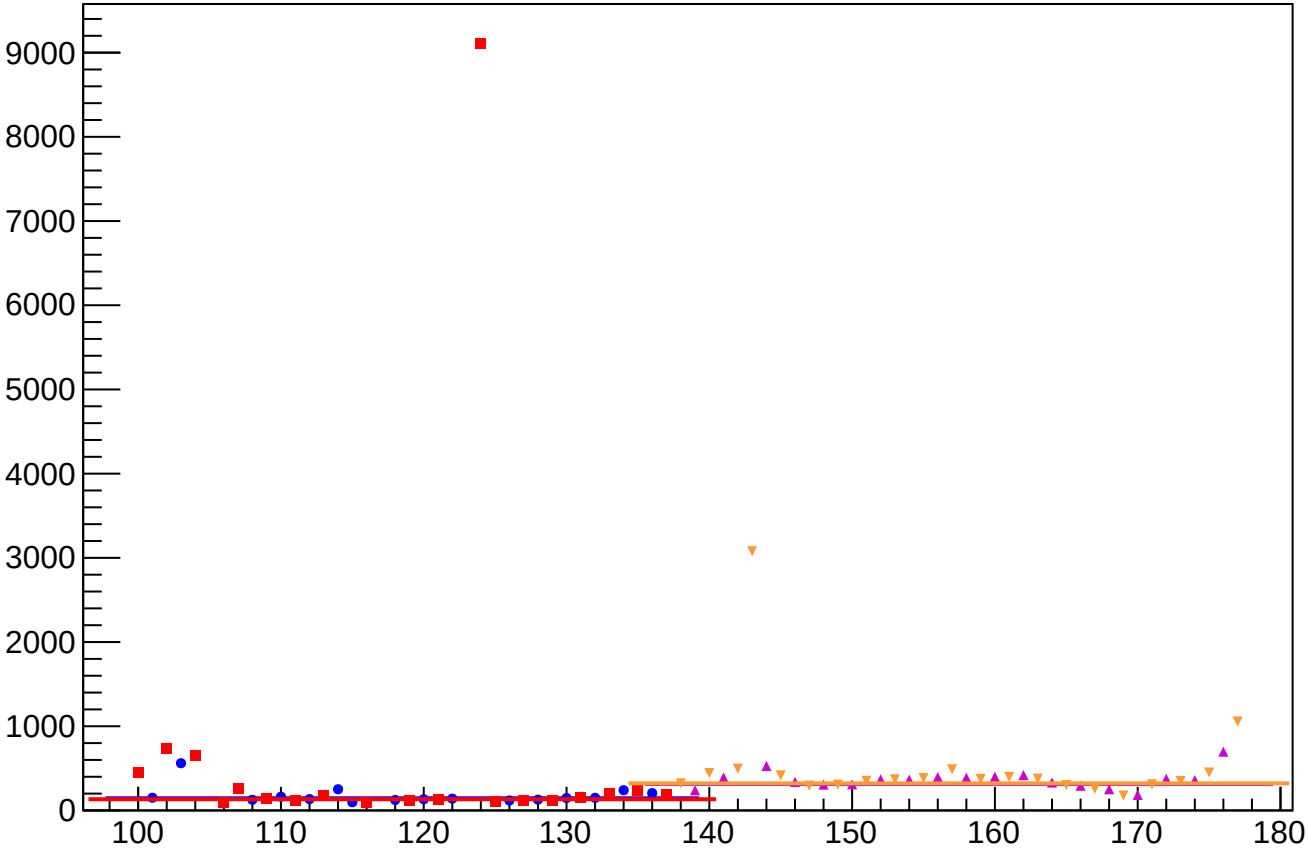
Left In: 0.045+/-0.084 χ^2/NDF:26.3/18

+ sign -0.036+/-0.048 χ^2/NDF: 47.5/36

All: -0.014+/-0.034 χ^2/NDF: 96.3/74

- sign 0.007+/-0.047 χ^2/NDF: 48.4/37

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 321.518+/-0.061 χ^2/NDF:4065335.4/20

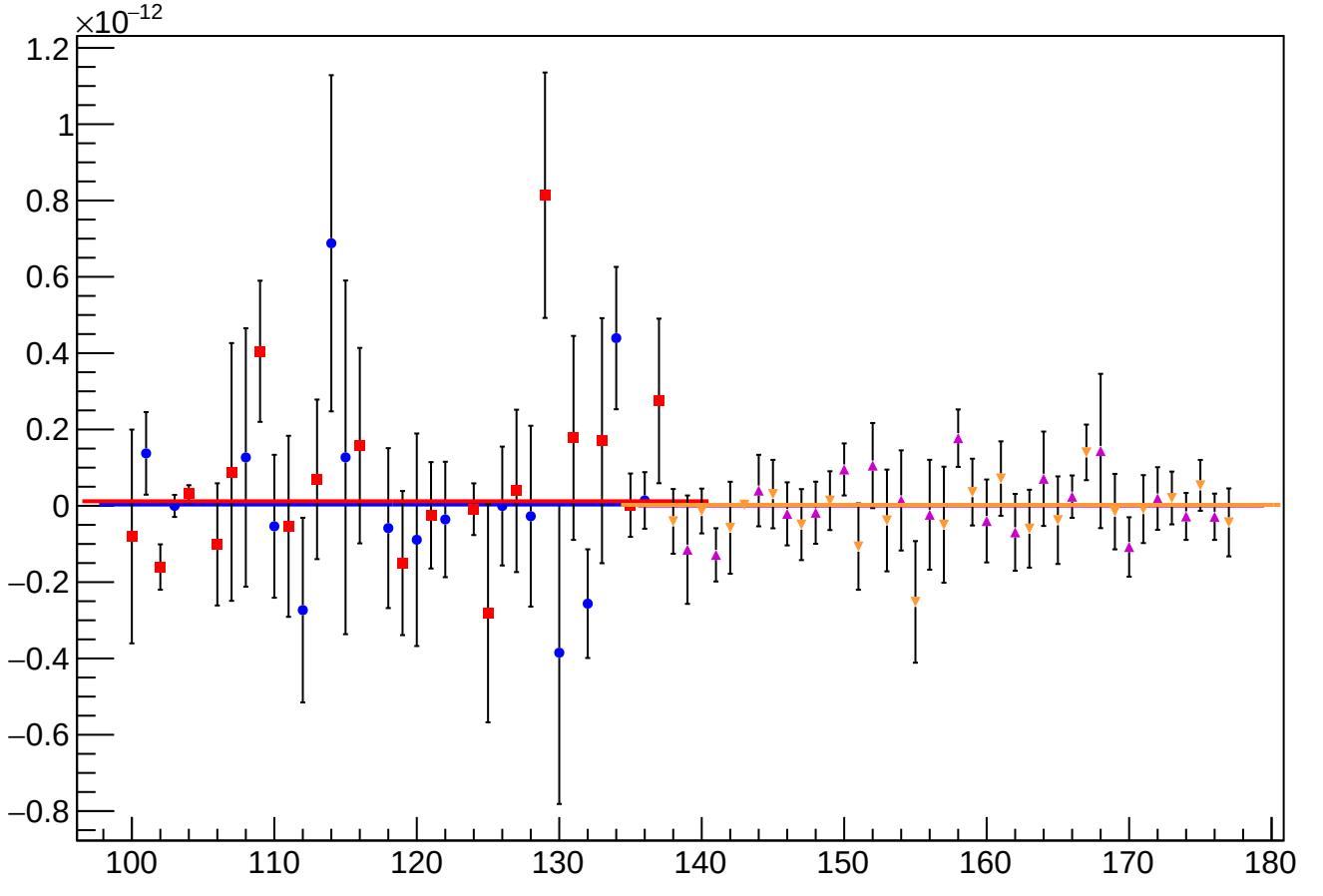
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 314.140+/-0.060 χ^2/NDF:2230878.0/18

+ sign 199.367+/-0.034 χ^2/NDF: 11032364.2/36

All: 194.275+/-0.024 χ^2/NDF: 21889506.2/74

- sign 189.410+/-0.033 χ^2/NDF: 10813147.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

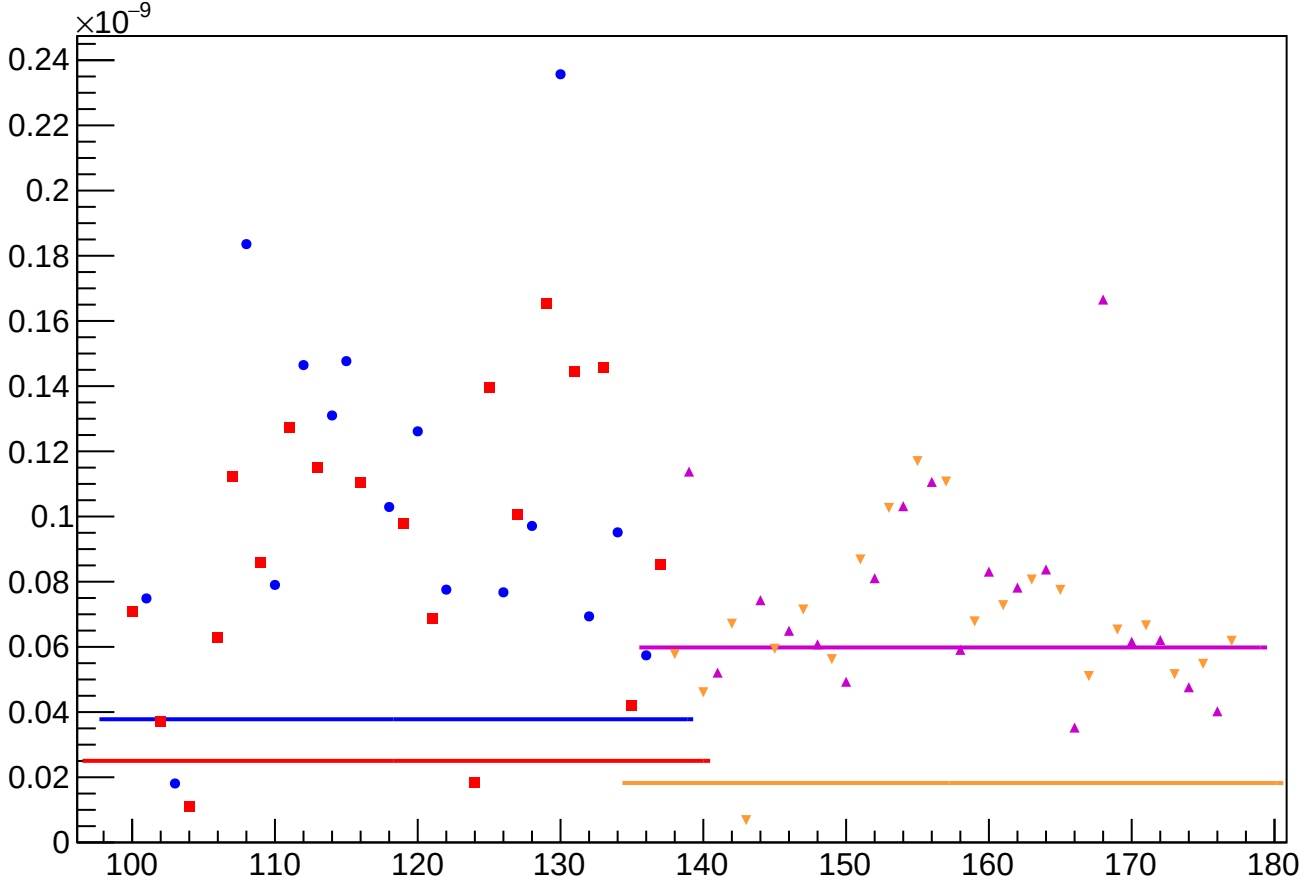
Left In: 0.000+/-0.000 χ^2/NDF:16.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 26.0/36

All: 0.000+/-0.000 χ^2/NDF: 68.2/74

- sign 0.000+/-0.000 χ^2/NDF: 42.1/37

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:13948234.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

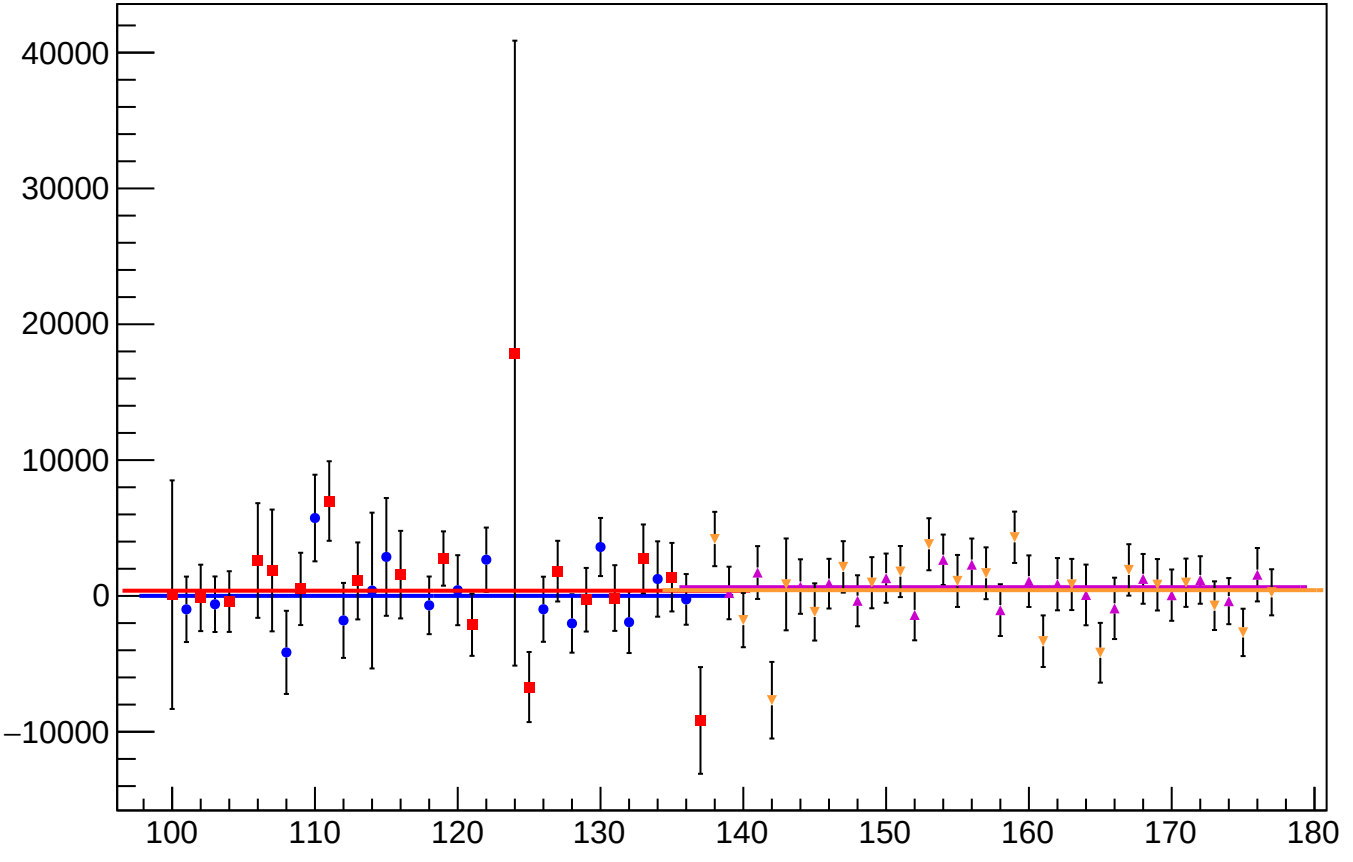
Left In: 0.000+/-0.000 χ^2/NDF:2428815.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 19063242.0/36

All: 0.000+/-0.000 χ^2/NDF: 33153215.3/74

- sign 0.000+/-0.000 χ^2/NDF: 10513236.1/37

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 423.992+/-425.986 χ^2/NDF:35.7/20

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

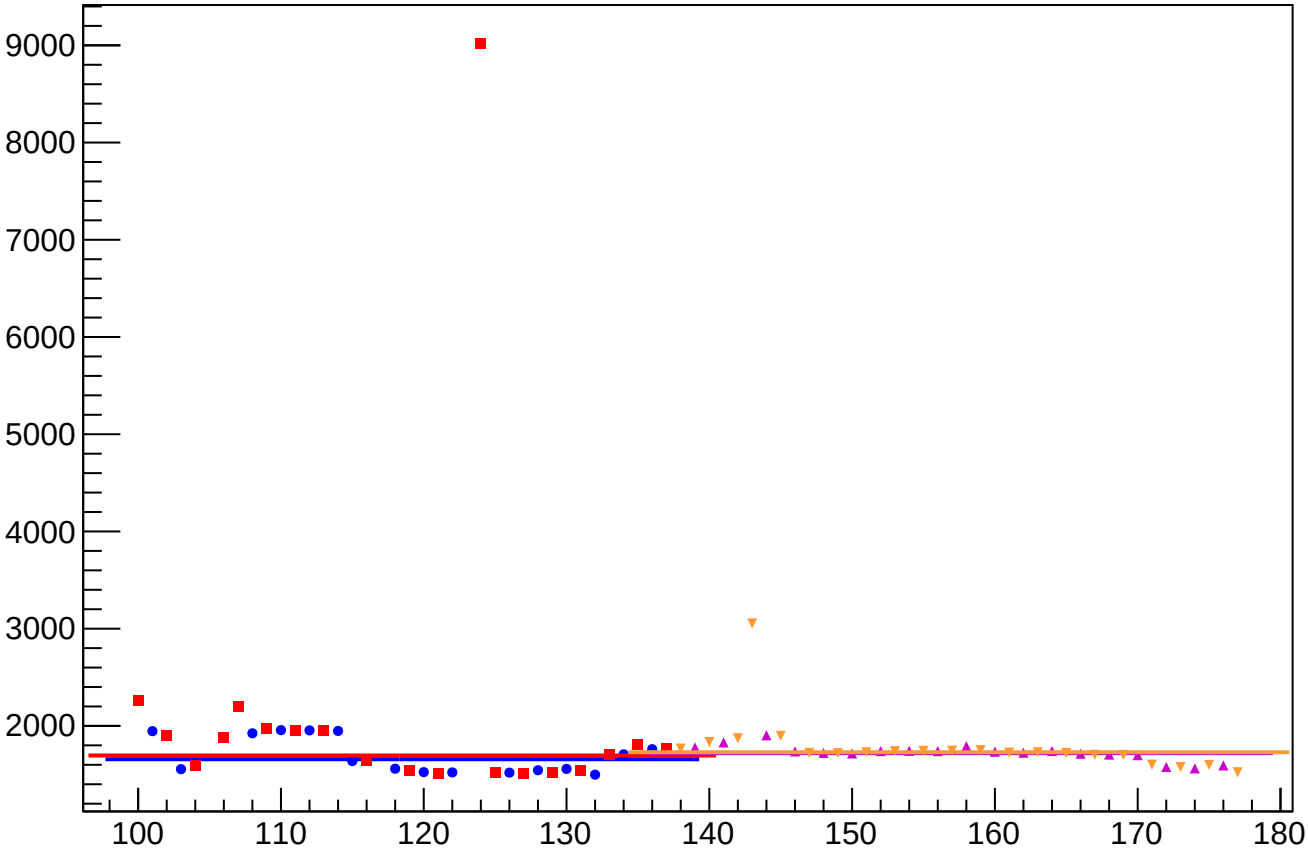
Left In: 643.909+/-436.732 χ^2/NDF:6.2/18

+ sign 289.399+/-351.083 χ^2/NDF: 48.4/36

All: 421.679+/-251.210 χ^2/NDF: 79.1/74

- sign 560.454+/-359.600 χ^2/NDF: 30.4/37

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1729.310+/-0.301 χ^2/NDF:398658.4/20

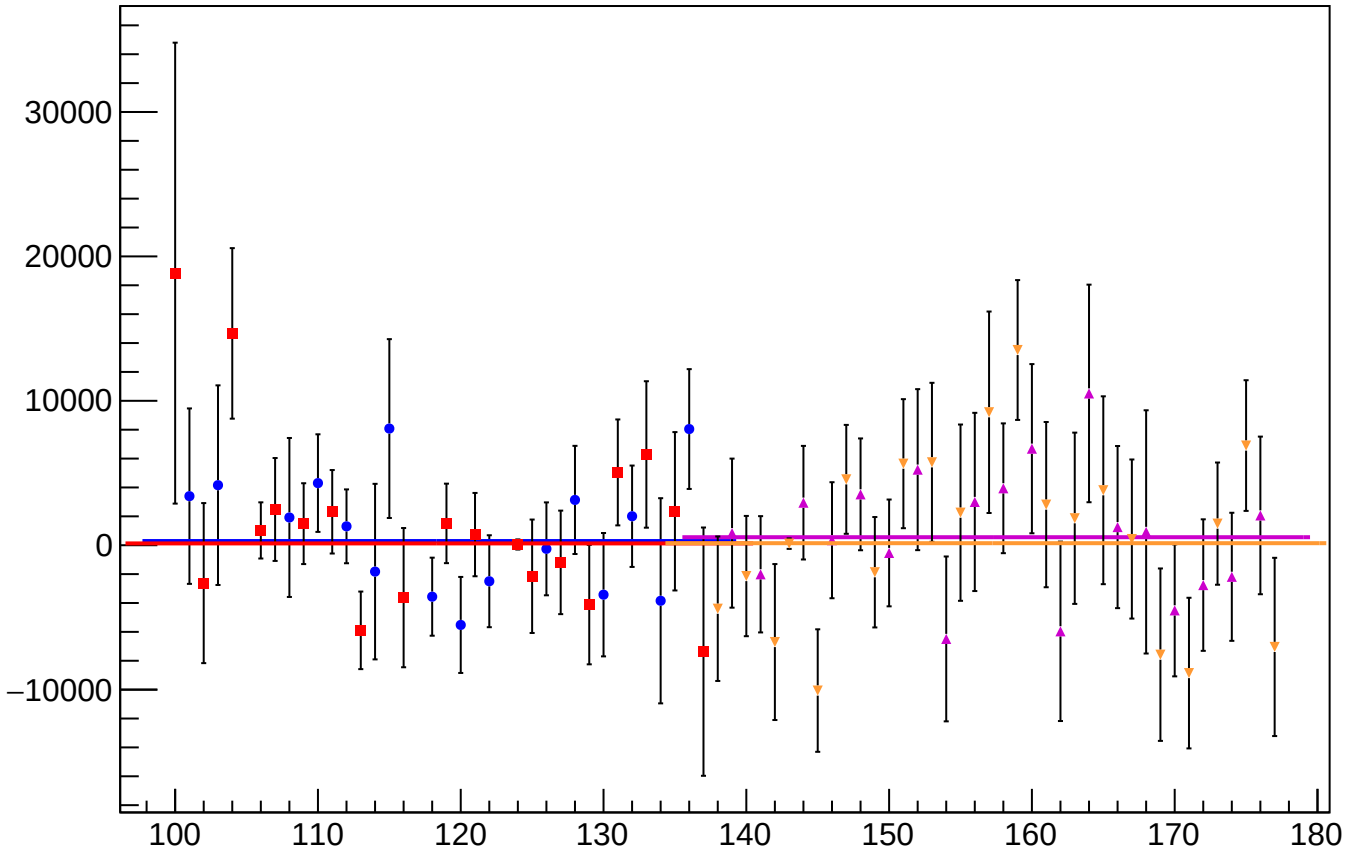
Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

+ sign 1706.155+/-0.248 χ^2/NDF: 561064.5/36

All: 1708.961+/-0.178 χ^2/NDF: 1017549.2/74

- sign 1711.896+/-0.254 χ^2/NDF: 456223.3/37



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 141.141+/-346.003 χ^2/NDF:31.1/20

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

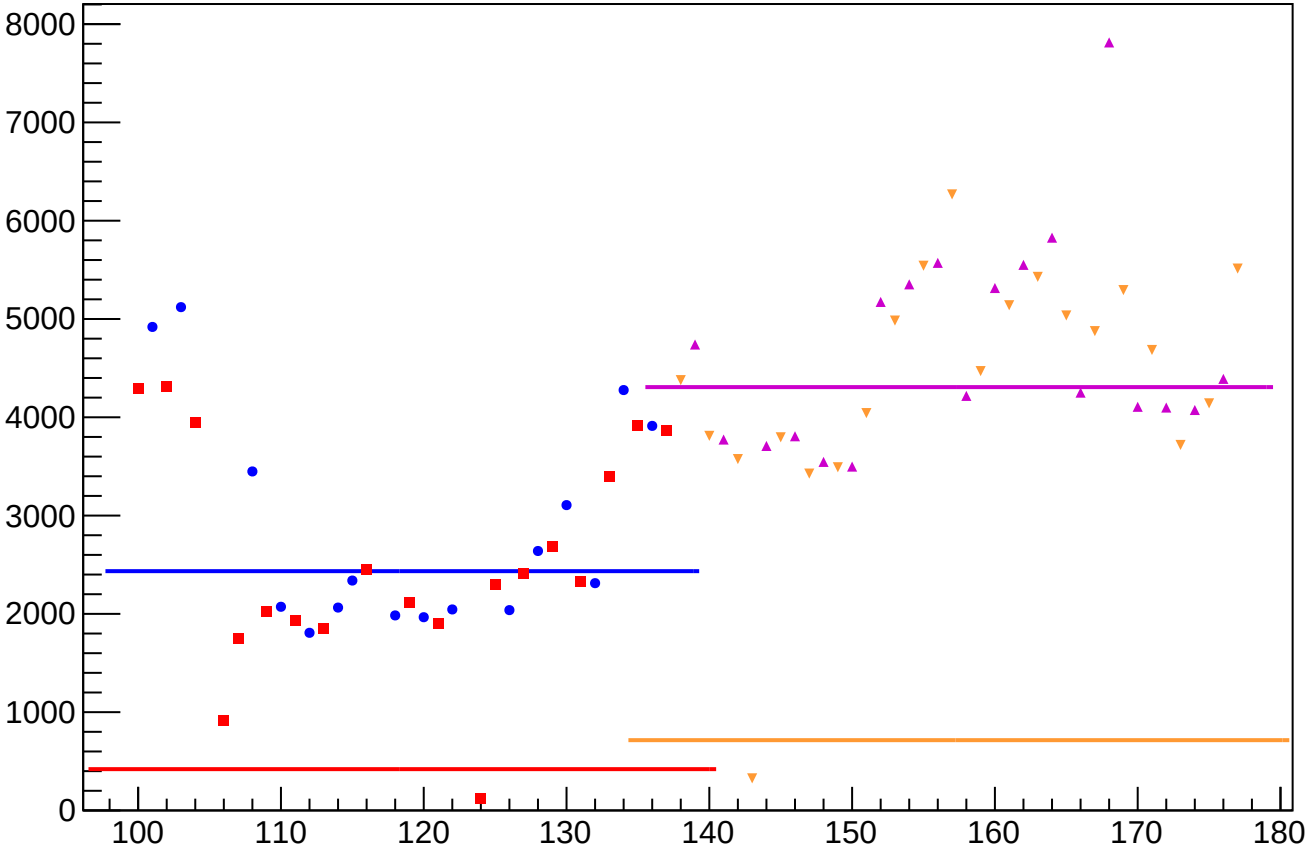
Left In: 555.157+/-1115.647 χ^2/NDF:10.6/18

+ sign 158.137+/-325.548 χ^2/NDF: 46.4/36

All: 158.559+/-224.836 χ^2/NDF: 77.9/74

- sign 158.944+/-310.892 χ^2/NDF: 31.6/37

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 715.120+/-0.245 χ^2/NDF:24374860.3/20

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

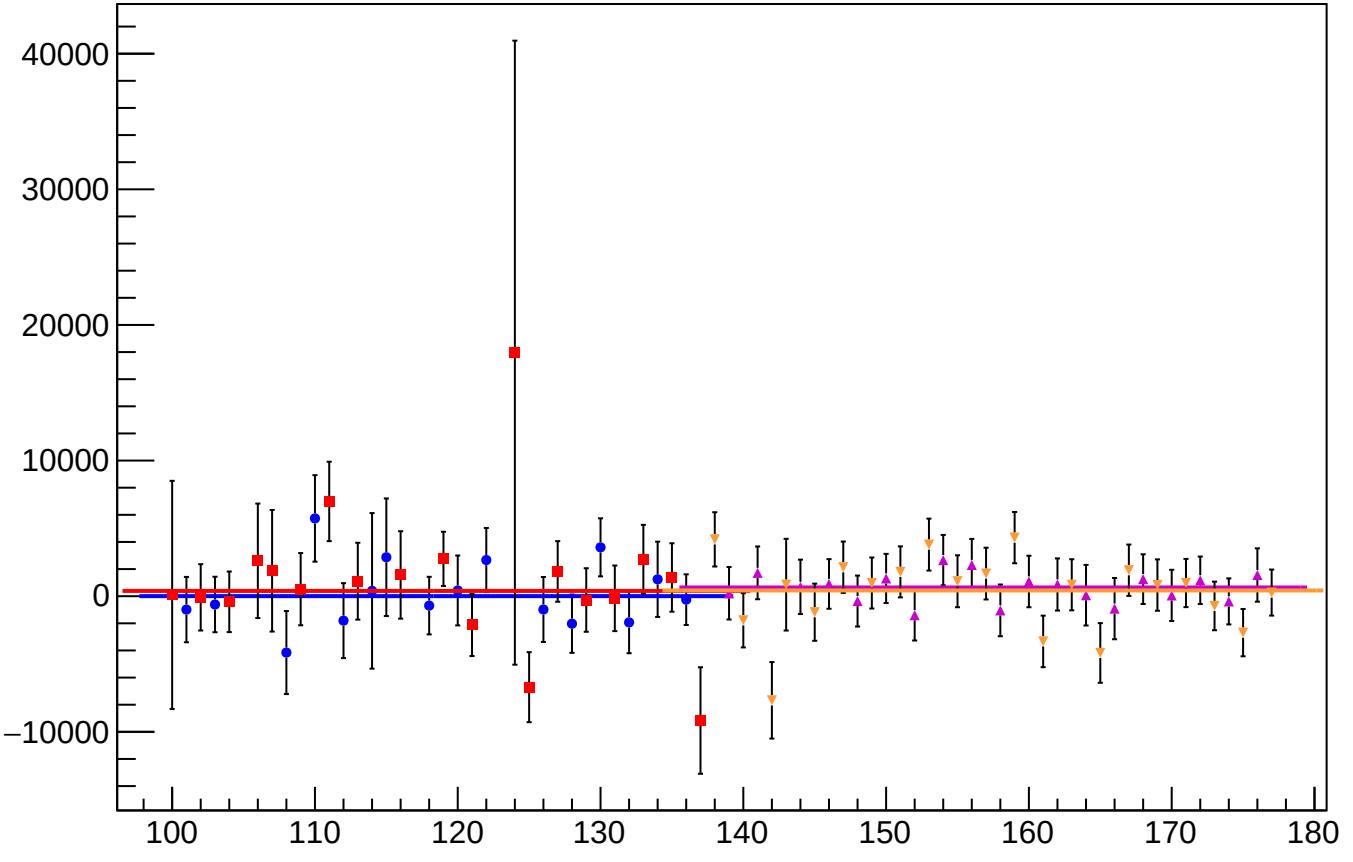
Left In: 4307.065+/-0.789 χ^2/NDF:1081489.5/18

+ sign 912.415+/-0.230 χ^2/NDF: 31499933.6/36

All: 812.886+/-0.159 χ^2/NDF: 66392531.8/74

- sign 722.116+/-0.220 χ^2/NDF: 34535173.3/37

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 423.973+/-425.986 χ^2/NDF:35.7/20

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

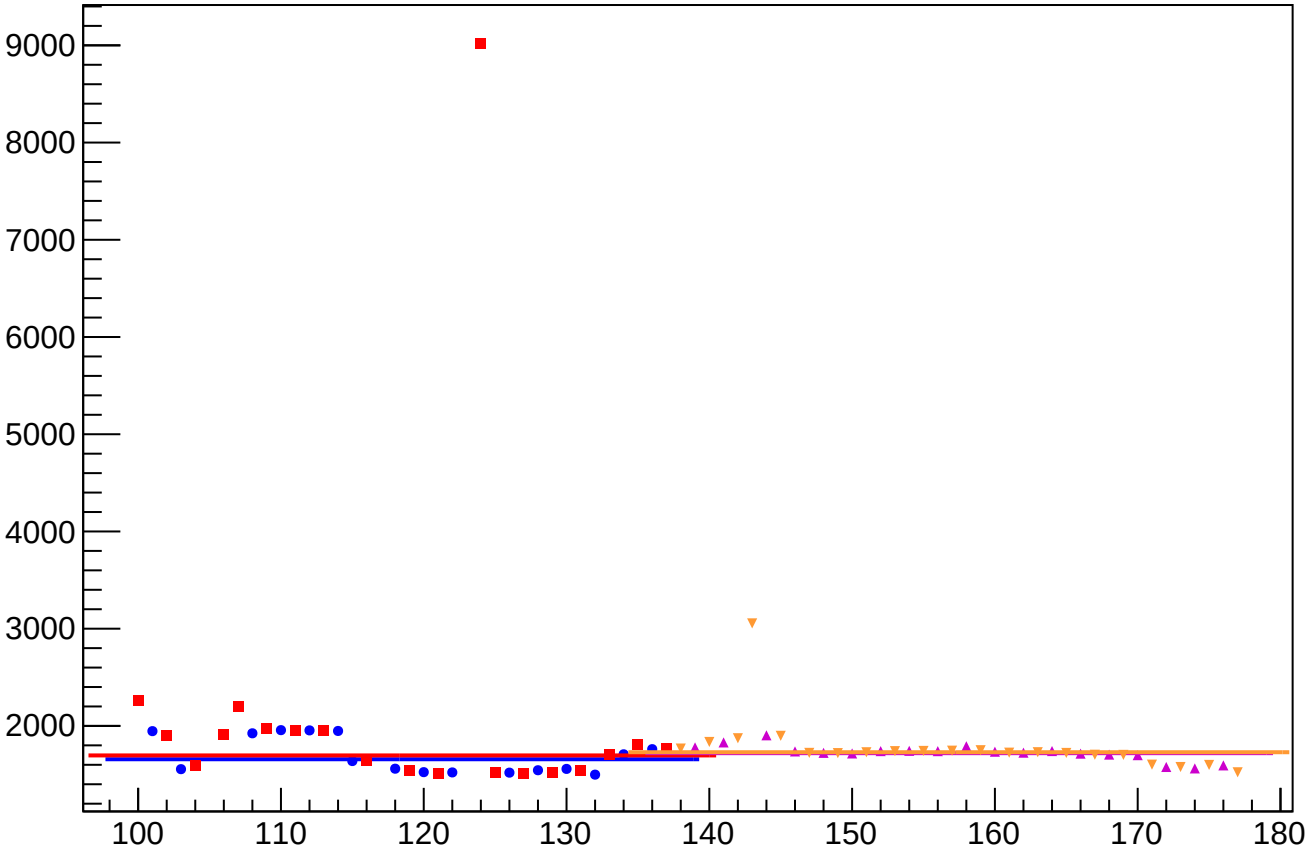
Left In: 643.893+/-436.732 χ^2/NDF:6.2/18

+ sign 289.361+/-351.083 χ^2/NDF: 48.4/36

All: 422.329+/-251.211 χ^2/NDF: 79.1/74

- sign 561.828+/-359.601 χ^2/NDF: 30.3/37

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1729.310+/-0.301 χ^2/NDF:398658.4/20

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

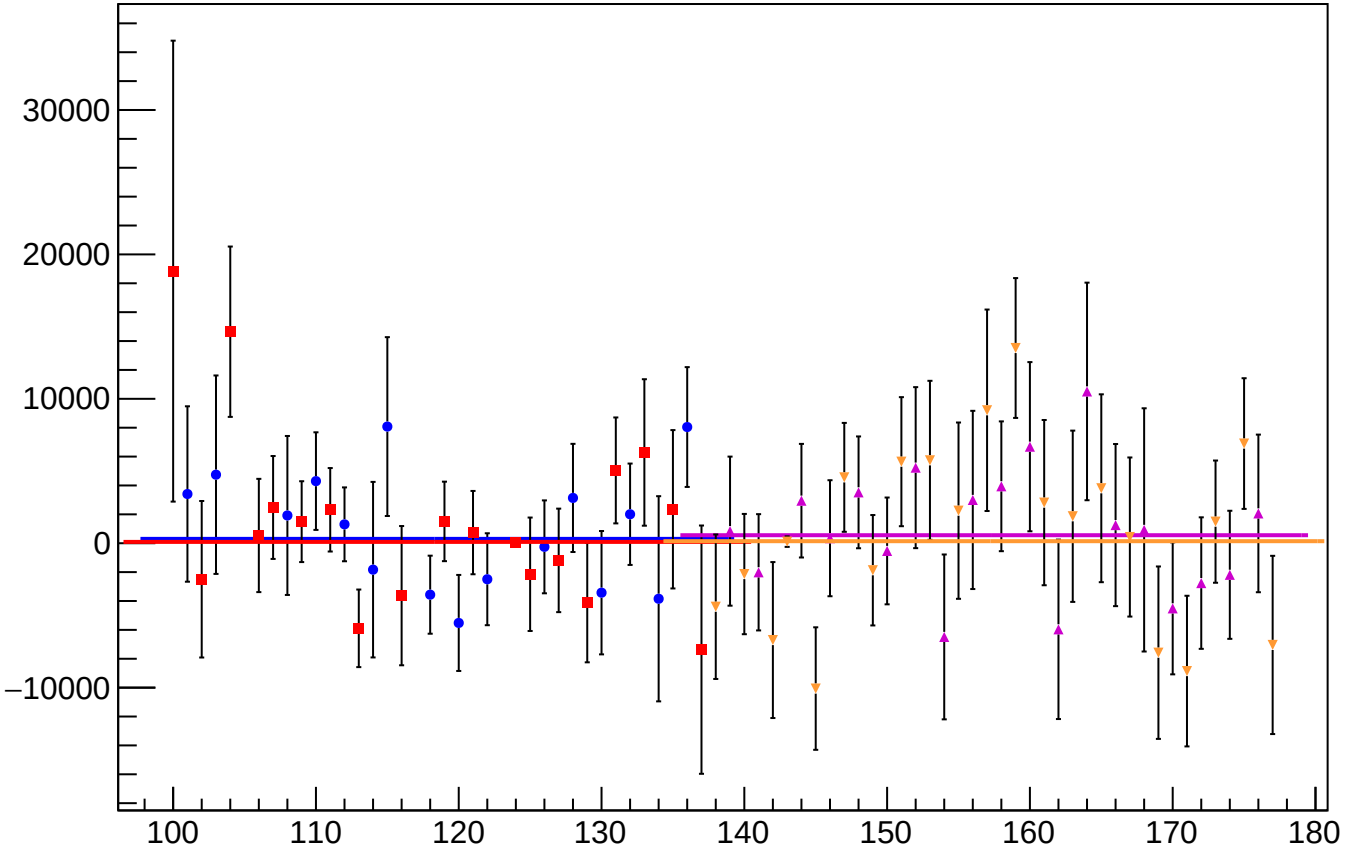
Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

+ sign 1706.155+/-0.248 χ^2/NDF: 561064.6/36

All: 1709.088+/-0.178 χ^2/NDF: 1019203.2/74

- sign 1712.158+/-0.254 χ^2/NDF: 457852.9/37

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 141.565+/-345.978 χ^2/NDF:31.1/20

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

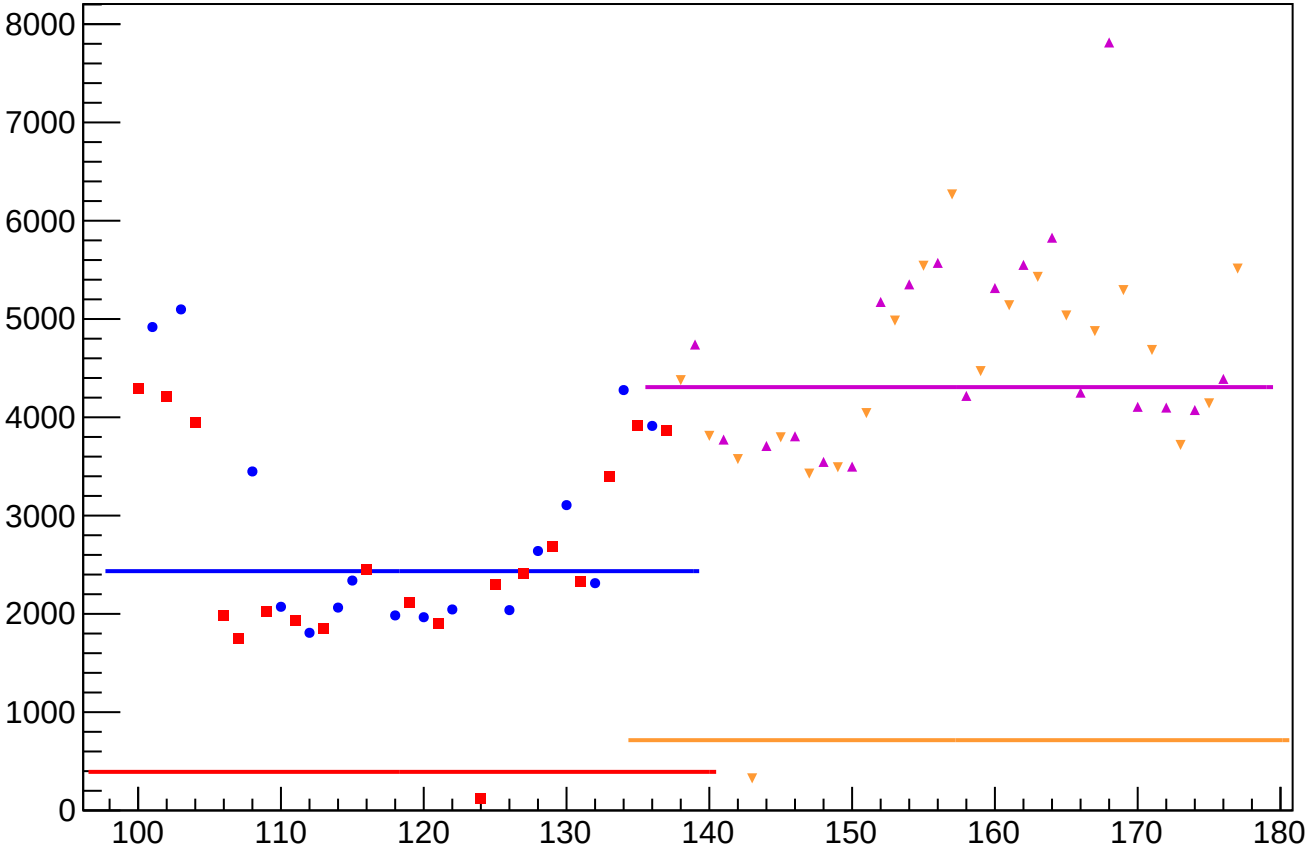
Left In: 555.186+/-1115.646 χ^2/NDF:10.6/18

+ sign 159.957+/-325.523 χ^2/NDF: 46.5/36

All: 142.117+/-222.111 χ^2/NDF: 77.9/74

- sign 126.576+/-303.823 χ^2/NDF: 31.4/37

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 715.039+/-0.245 χ^2/NDF:24375552.2/20

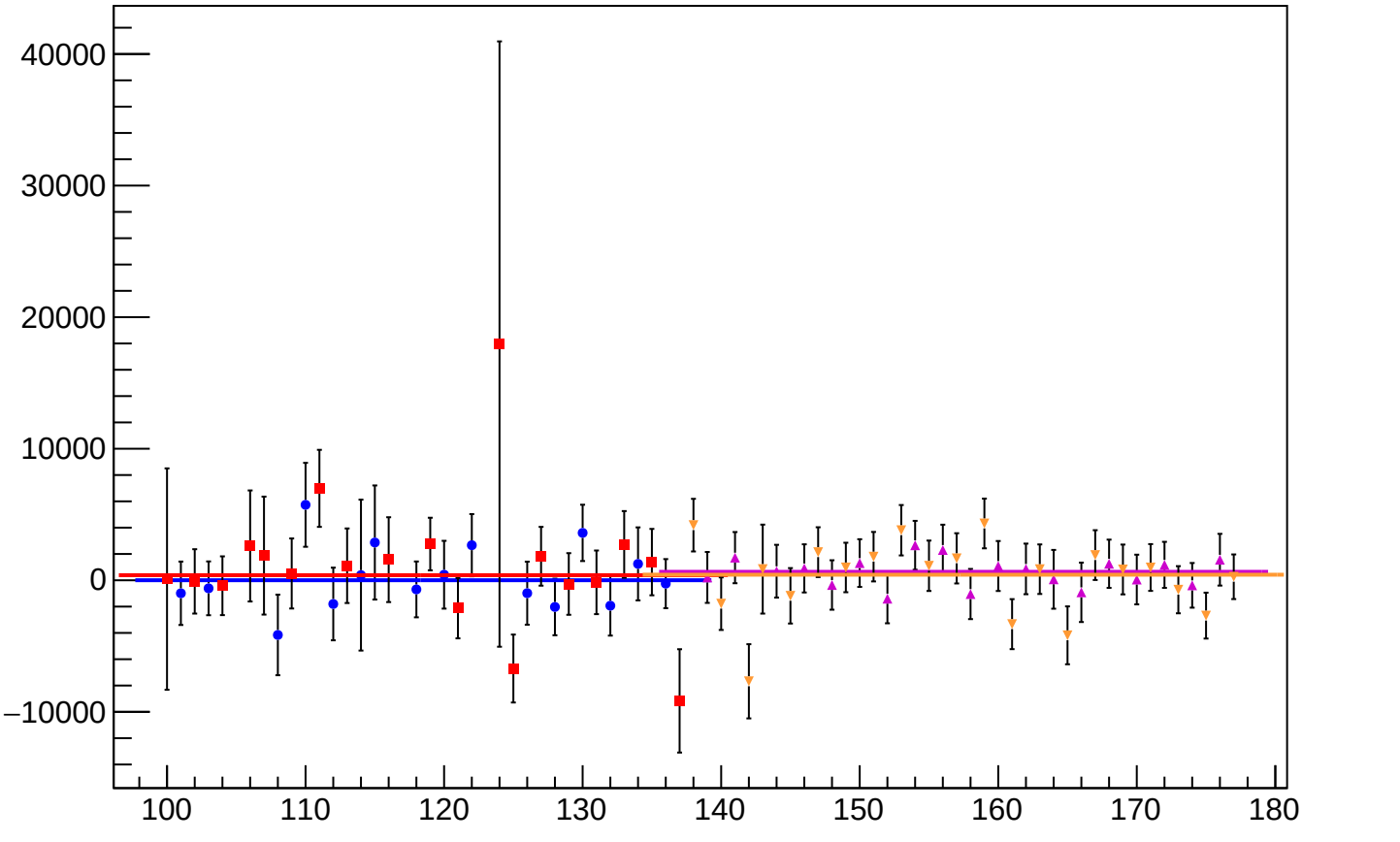
Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4307.060+/-0.789 χ^2/NDF:1081481.0/18

+ sign 912.379+/-0.230 χ^2/NDF: 31501889.6/36

All: 789.774+/-0.157 χ^2/NDF: 67317326.2/74

- sign 682.970+/-0.215 χ^2/NDF: 35284566.0/37



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 423.973+/-425.986 χ^2/NDF:35.7/20

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

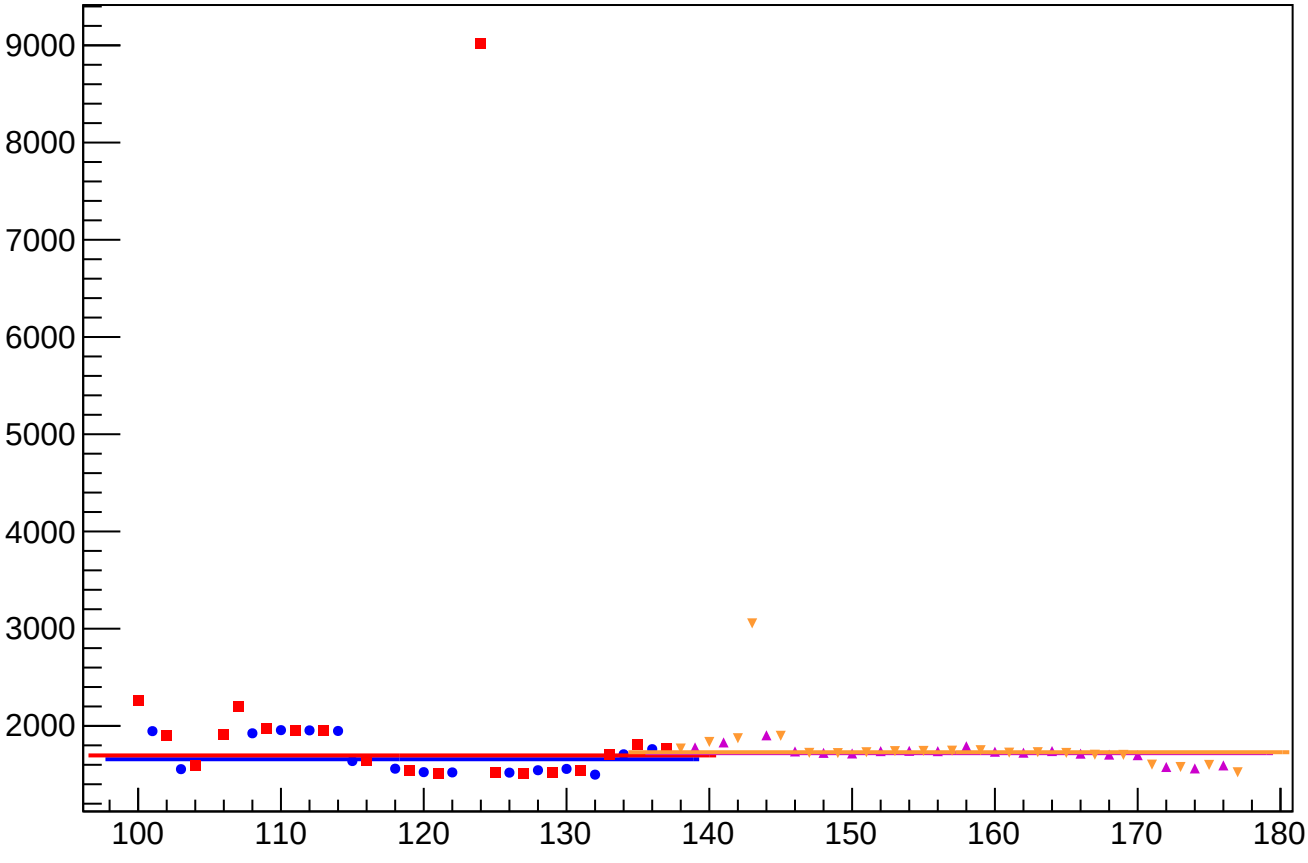
Left In: 643.893+/-436.732 χ^2/NDF:6.2/18

+ sign 289.361+/-351.083 χ^2/NDF: 48.4/36

All: 422.329+/-251.211 χ^2/NDF: 79.1/74

- sign 561.828+/-359.601 χ^2/NDF: 30.3/37

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1729.310+/-0.301 χ^2/NDF:398658.4/20

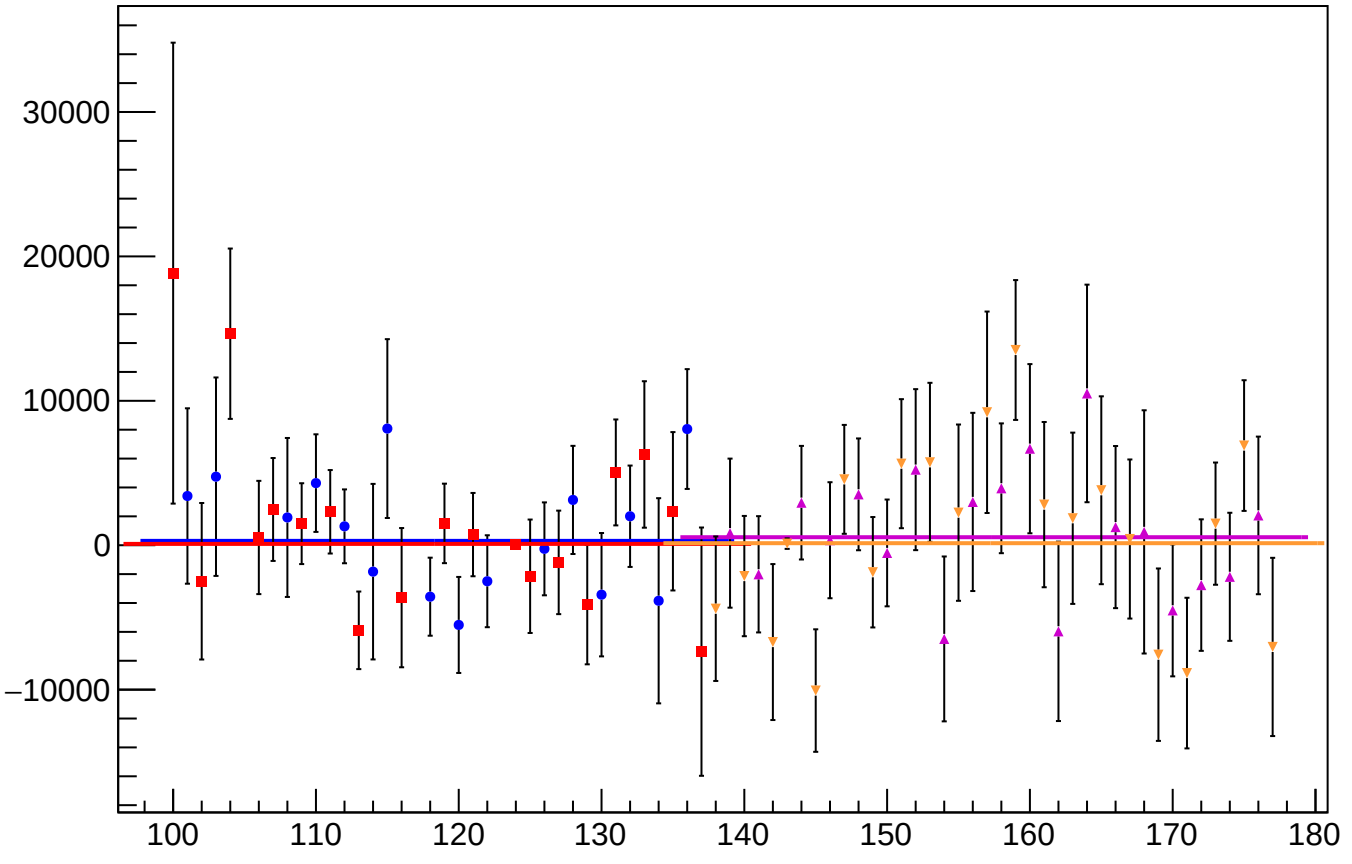
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

+ sign 1706.155+/-0.248 χ^2/NDF: 561064.6/36

All: 1709.088+/-0.178 χ^2/NDF: 1019203.2/74

- sign 1712.158+/-0.254 χ^2/NDF: 457852.9/37



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 141.565+/-345.978 χ^2/NDF:31.1/20

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

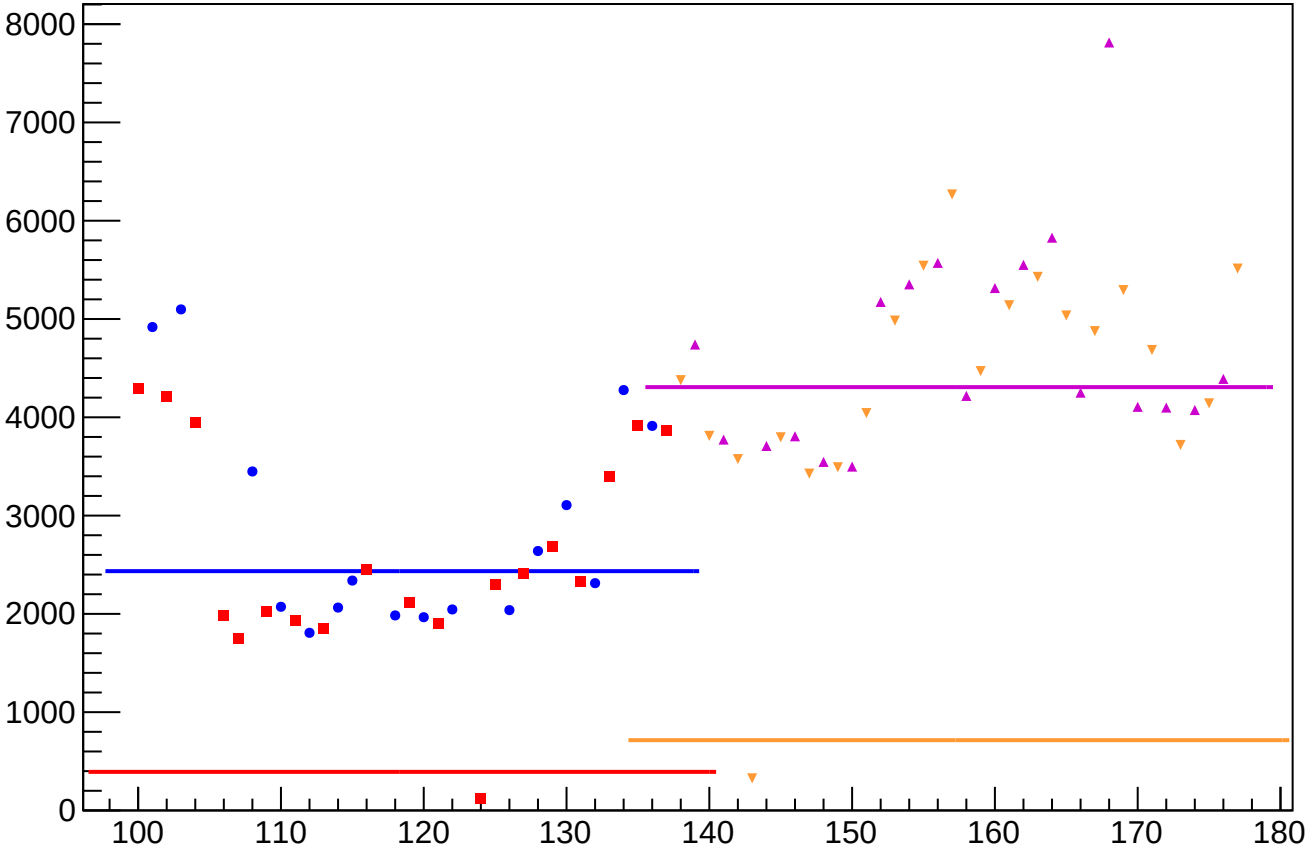
Left In: 555.186+/-1115.646 χ^2/NDF:10.6/18

+ sign 159.957+/-325.523 χ^2/NDF: 46.5/36

All: 142.117+/-222.111 χ^2/NDF: 77.9/74

- sign 126.576+/-303.823 χ^2/NDF: 31.4/37

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 715.039+/-0.245 χ^2/NDF:24375552.2/20

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

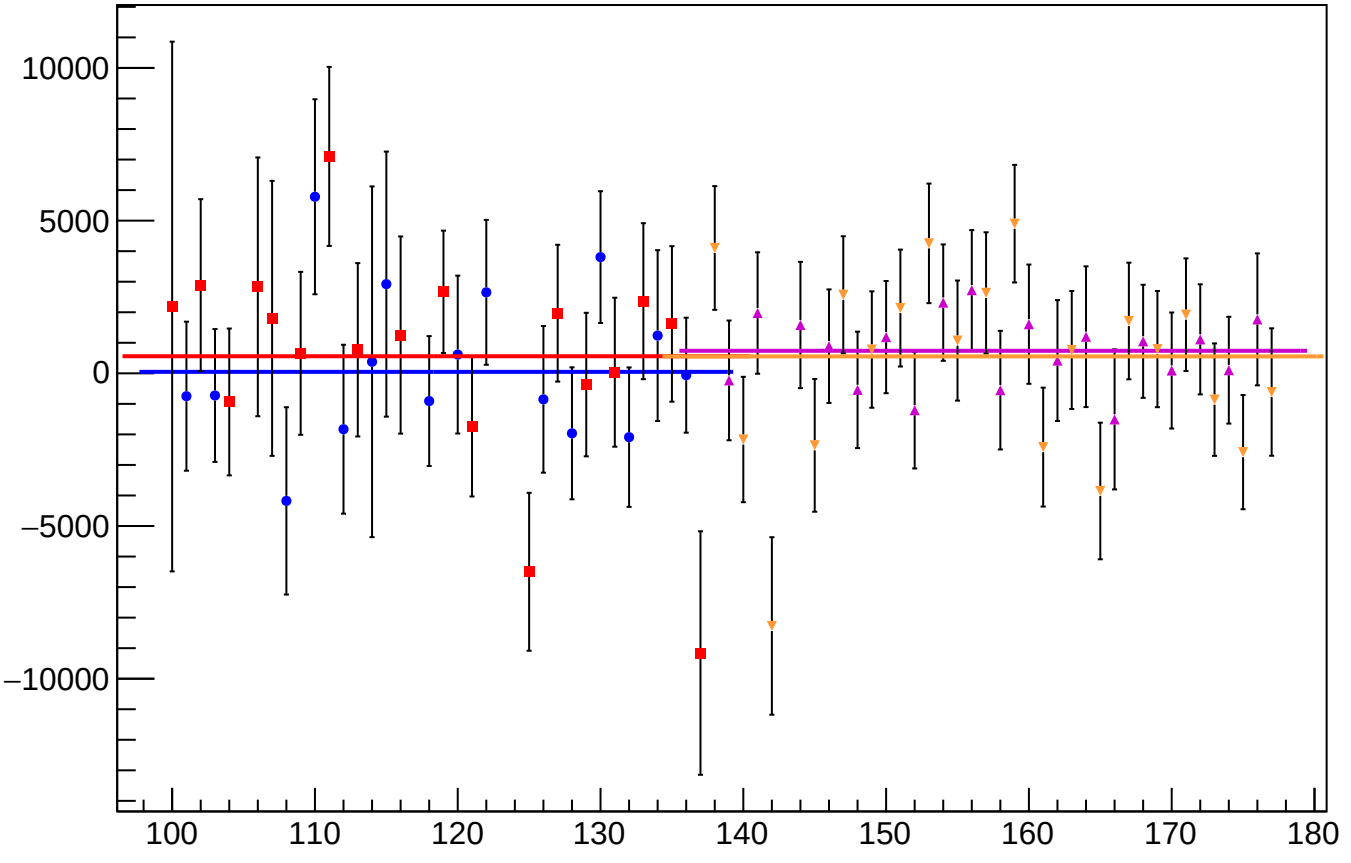
Left In: 4307.060+/-0.789 χ^2/NDF:1081481.0/18

+ sign 912.379+/-0.230 χ^2/NDF: 31501889.6/36

All: 789.774+/-0.157 χ^2/NDF: 67317326.2/74

- sign 682.970+/-0.215 χ^2/NDF: 35284566.0/37

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 553.885+/-444.456 χ^2/NDF:38.4/19

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

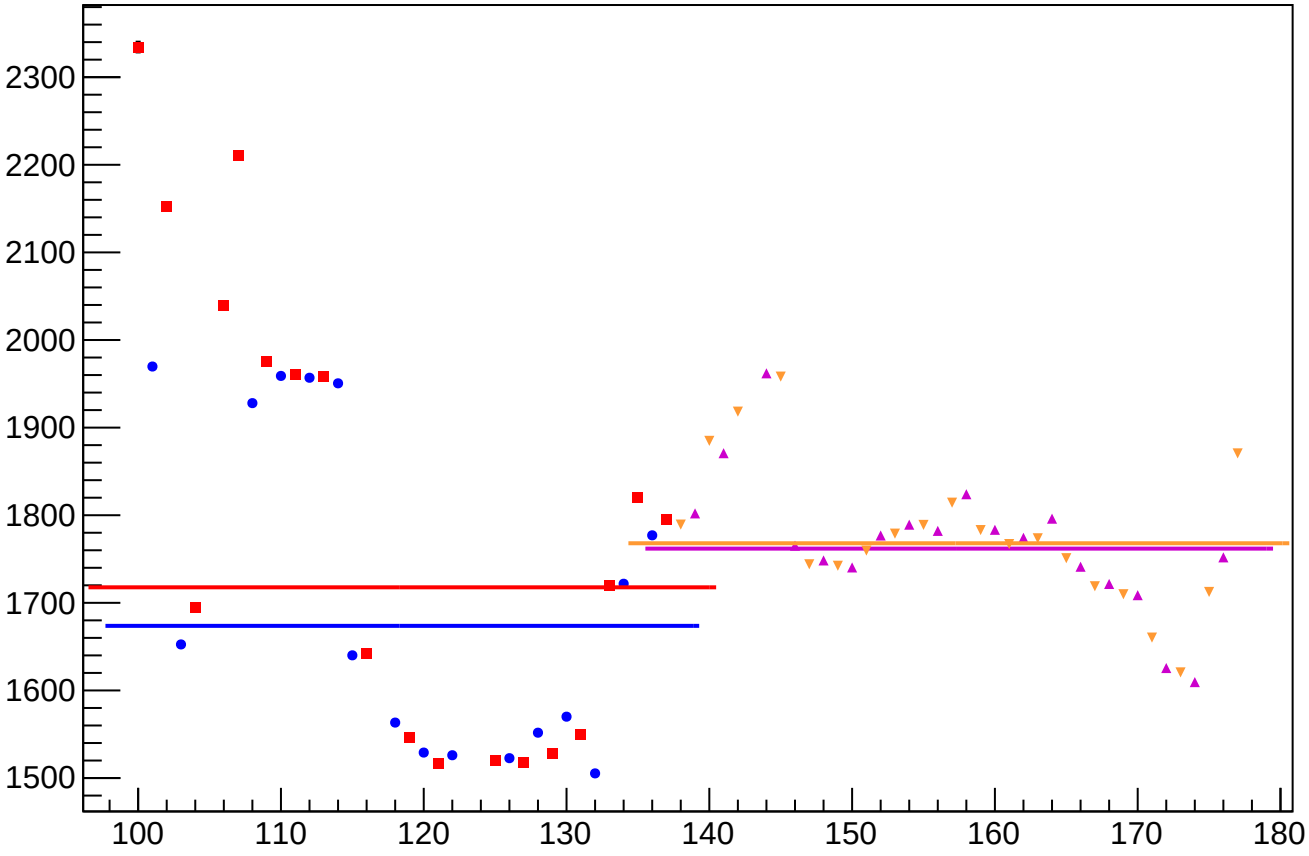
Left In: 738.272+/-447.397 χ^2/NDF:6.3/18

\+ sign 384.504+/-362.432 χ^2/NDF: 51.6/35

All: 530.263+/-258.111 χ^2/NDF: 81.5/72

\- sign 680.266+/-367.671 χ^2/NDF: 29.6/36

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1768.004+/-0.314 χ^2/NDF:59147.9/19

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

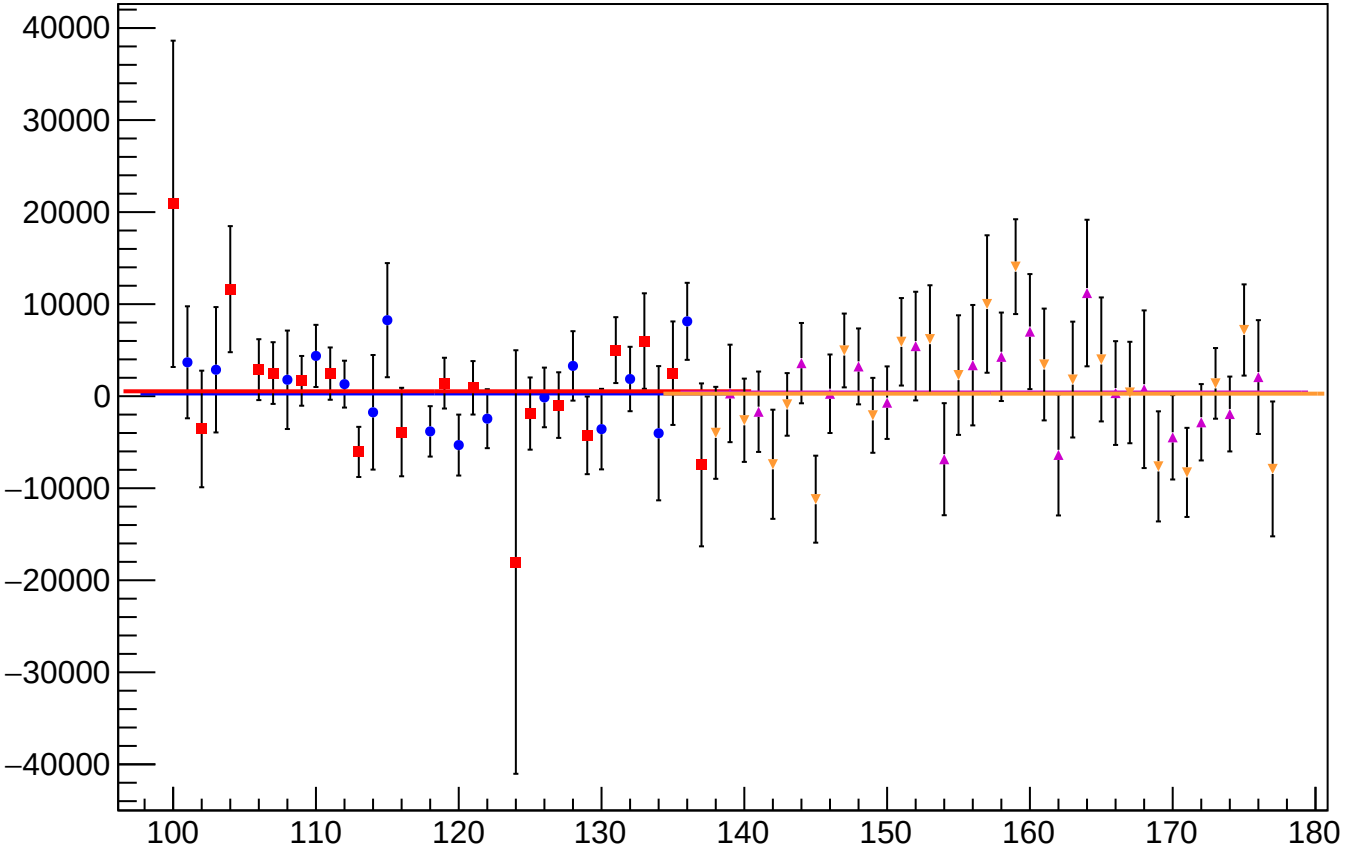
Left In: 1761.889+/-0.316 χ^2/NDF:58838.1/18

+ sign 1736.418+/-0.256 χ^2/NDF: 230169.3/35

All: 1741.885+/-0.182 χ^2/NDF: 523922.2/72

- sign 1747.503+/-0.260 χ^2/NDF: 292830.2/36

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 274.698+/-1098.333 χ^2/NDF:30.7/20

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

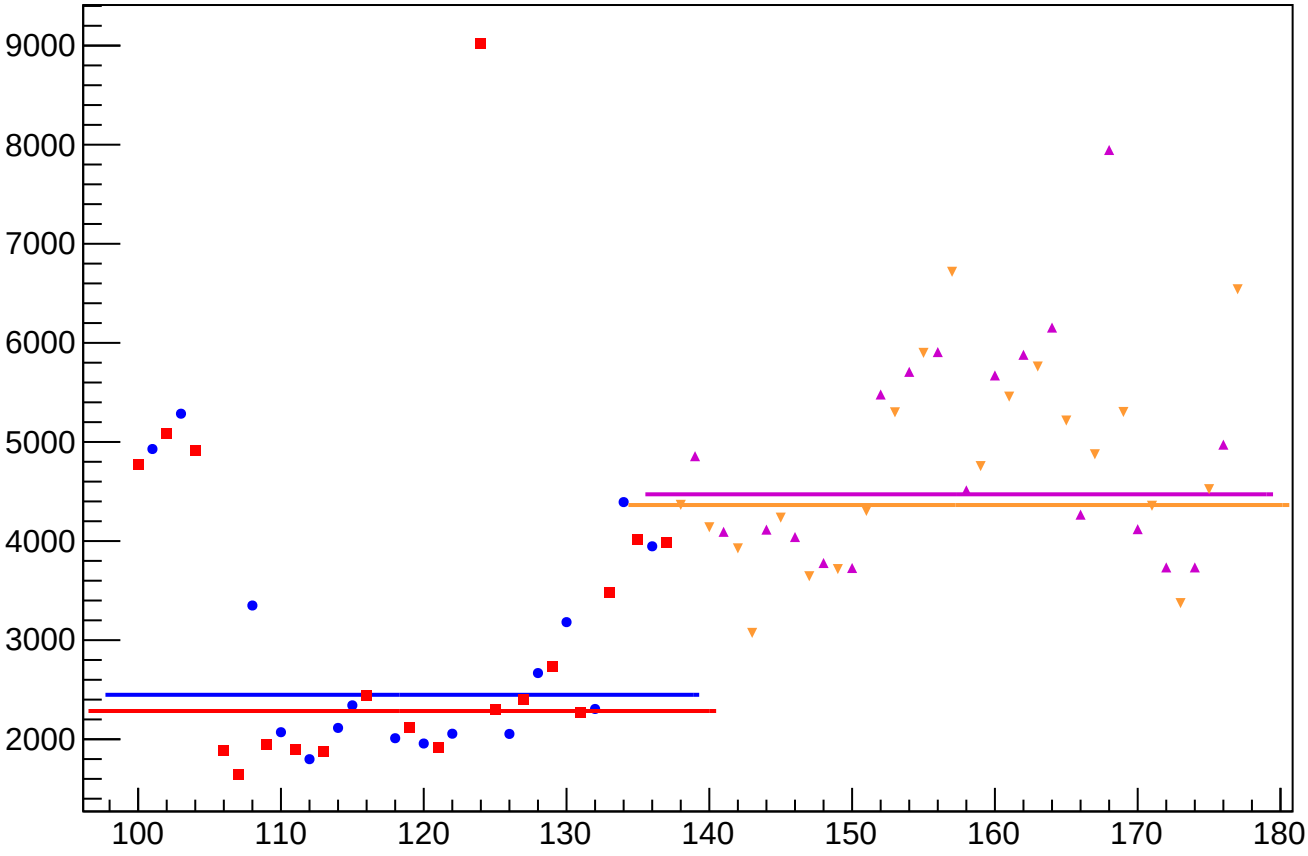
Left In: 397.931+/-1160.224 χ^2/NDF:10.5/18

\+ sign 287.015+/-724.803 χ^2/NDF: 46.0/36

All: 387.532+/-504.680 χ^2/NDF: 75.3/74

\- sign 482.130+/-703.140 χ^2/NDF: 29.3/37

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4363.732+/-0.777 χ^2/NDF:1366815.7/20

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

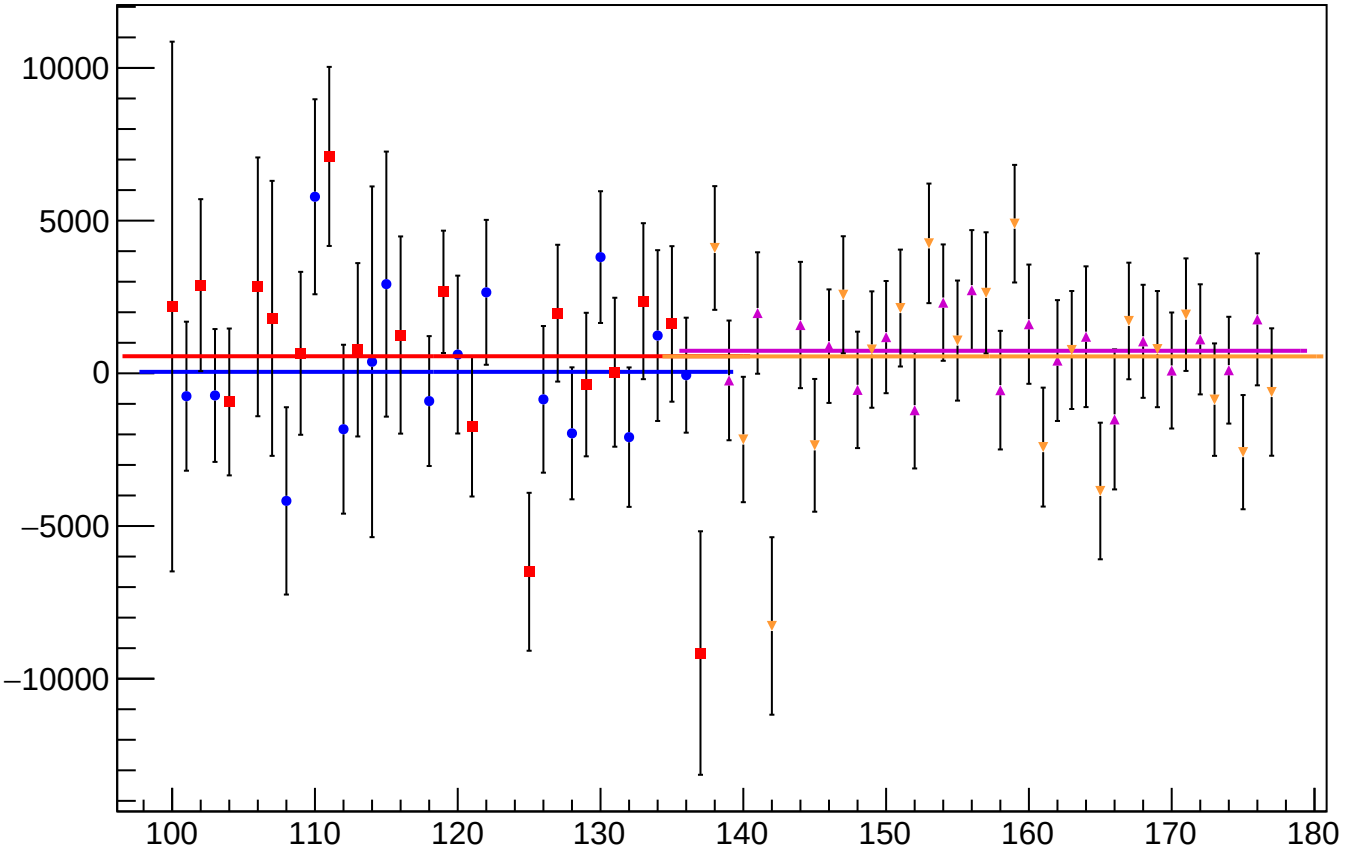
Left In: 4471.817+/-0.820 χ^2/NDF:1164352.1/18

+ sign 3282.608+/-0.513 χ^2/NDF: 6317105.0/36

All: 3182.469+/-0.357 χ^2/NDF: 13599607.5/7

- sign 3088.227+/-0.497 χ^2/NDF: 7208397.5/37

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 553.885+/-444.456 χ^2/NDF:38.4/19

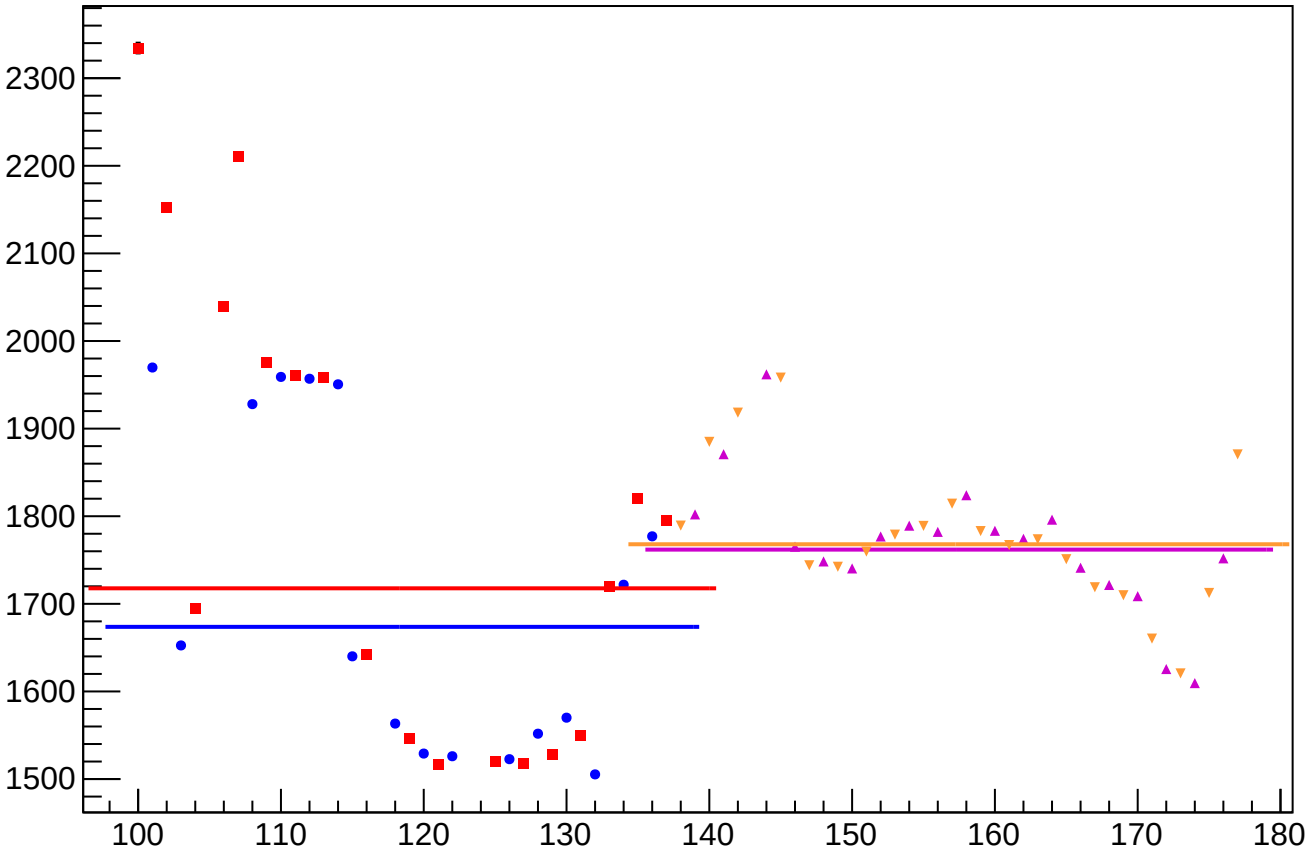
Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: 738.272+/-447.397 χ^2/NDF:6.3/18

\+ sign 384.504+/-362.432 χ^2/NDF: 51.6/35

All: 530.264+/-258.111 χ^2/NDF: 81.5/72

\- sign 680.267+/-367.671 χ^2/NDF: 29.6/36



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1768.005+/-0.314 χ^2/NDF:59150.5/19

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

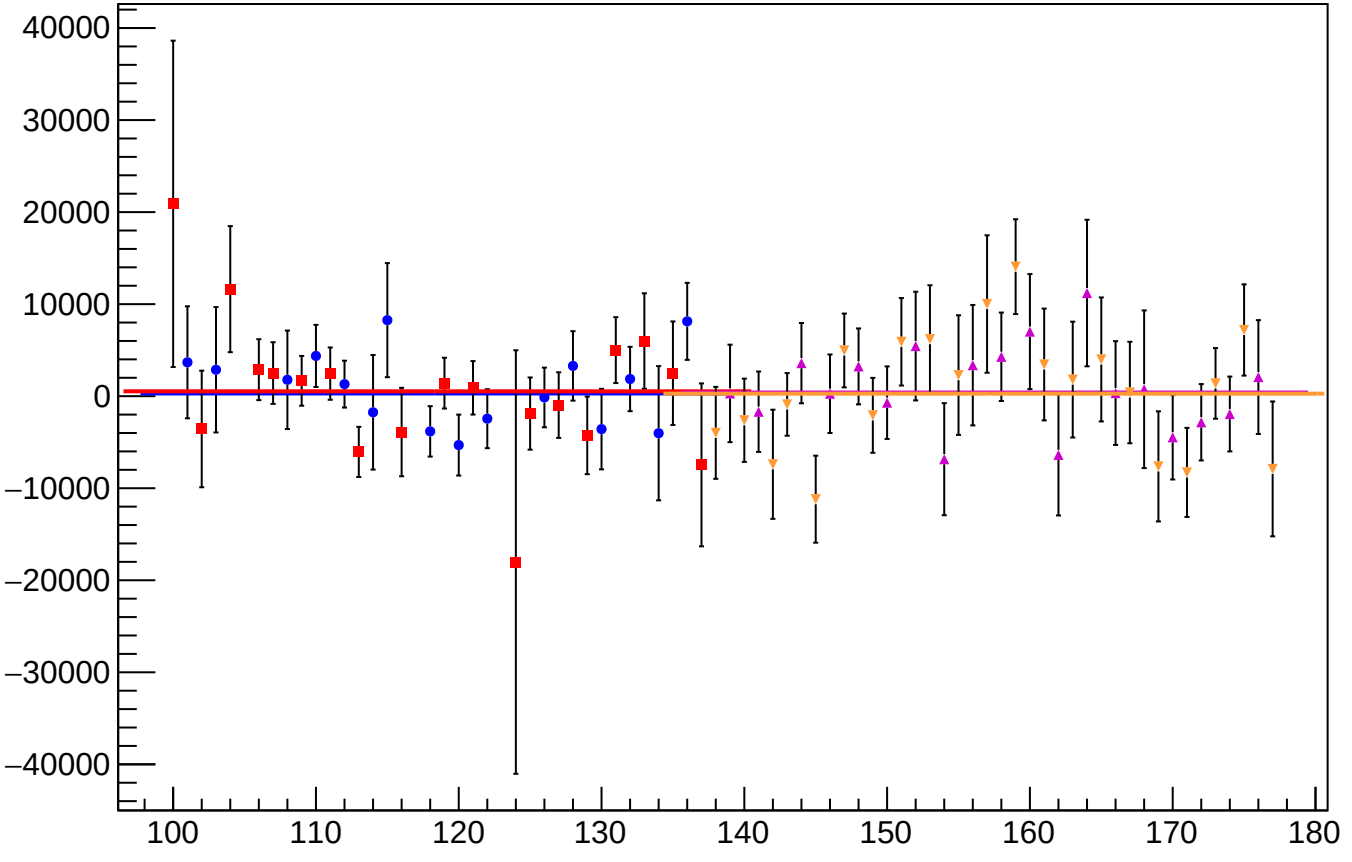
Left In: 1761.890+/-0.316 χ^2/NDF:58839.8/18

+ sign 1736.418+/-0.256 χ^2/NDF: 230172.5/35

All: 1741.885+/-0.182 χ^2/NDF: 523926.5/72

- sign 1747.503+/-0.260 χ^2/NDF: 292831.3/36

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 274.702+/-1098.335 χ^2/NDF:30.7/20

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

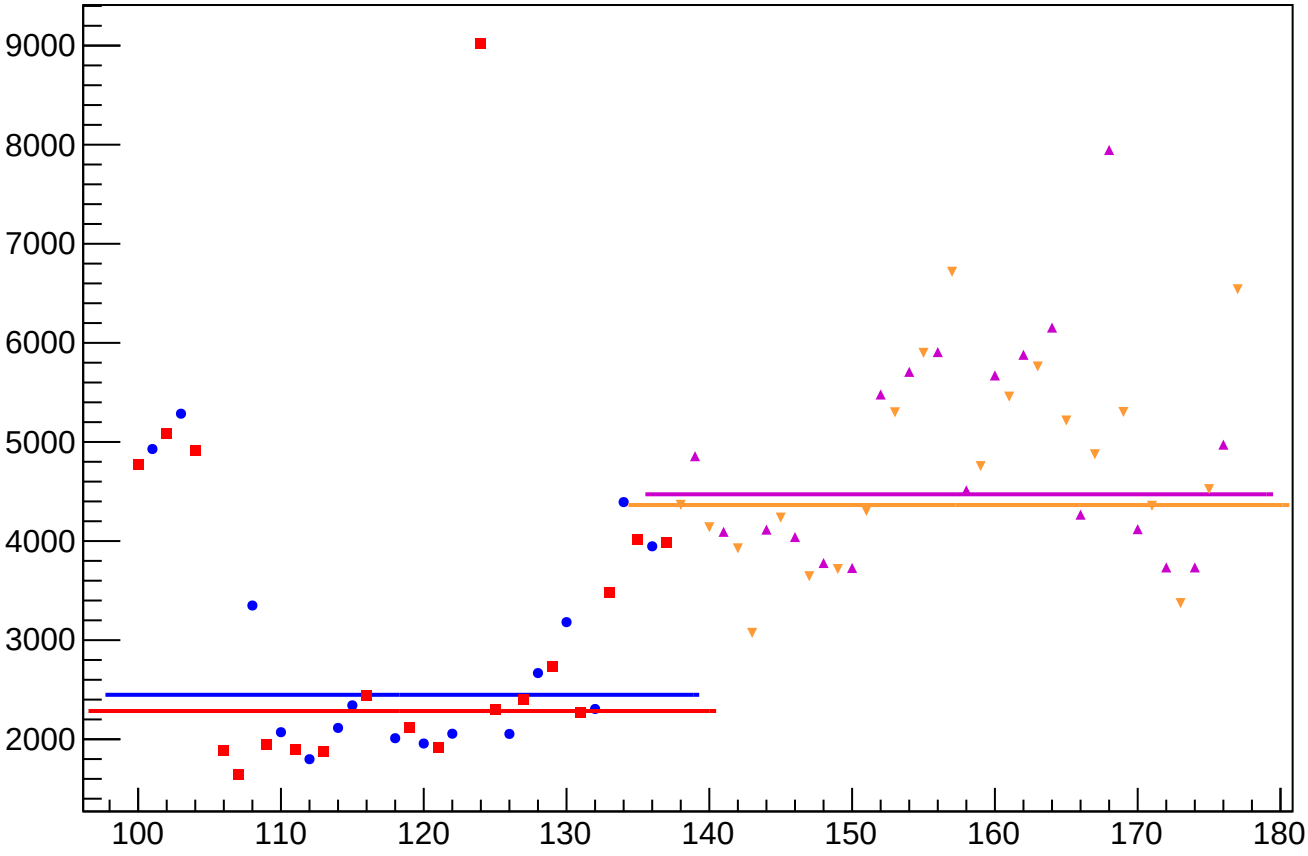
Left In: 397.931+/-1160.225 χ^2/NDF:10.5/18

\+ sign 287.013+/-724.802 χ^2/NDF: 46.0/36

All: 387.532+/-504.679 χ^2/NDF: 75.3/74

\- sign 482.132+/-703.139 χ^2/NDF: 29.3/37

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4363.738+/-0.777 χ^2/NDF:1366817.8/20

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

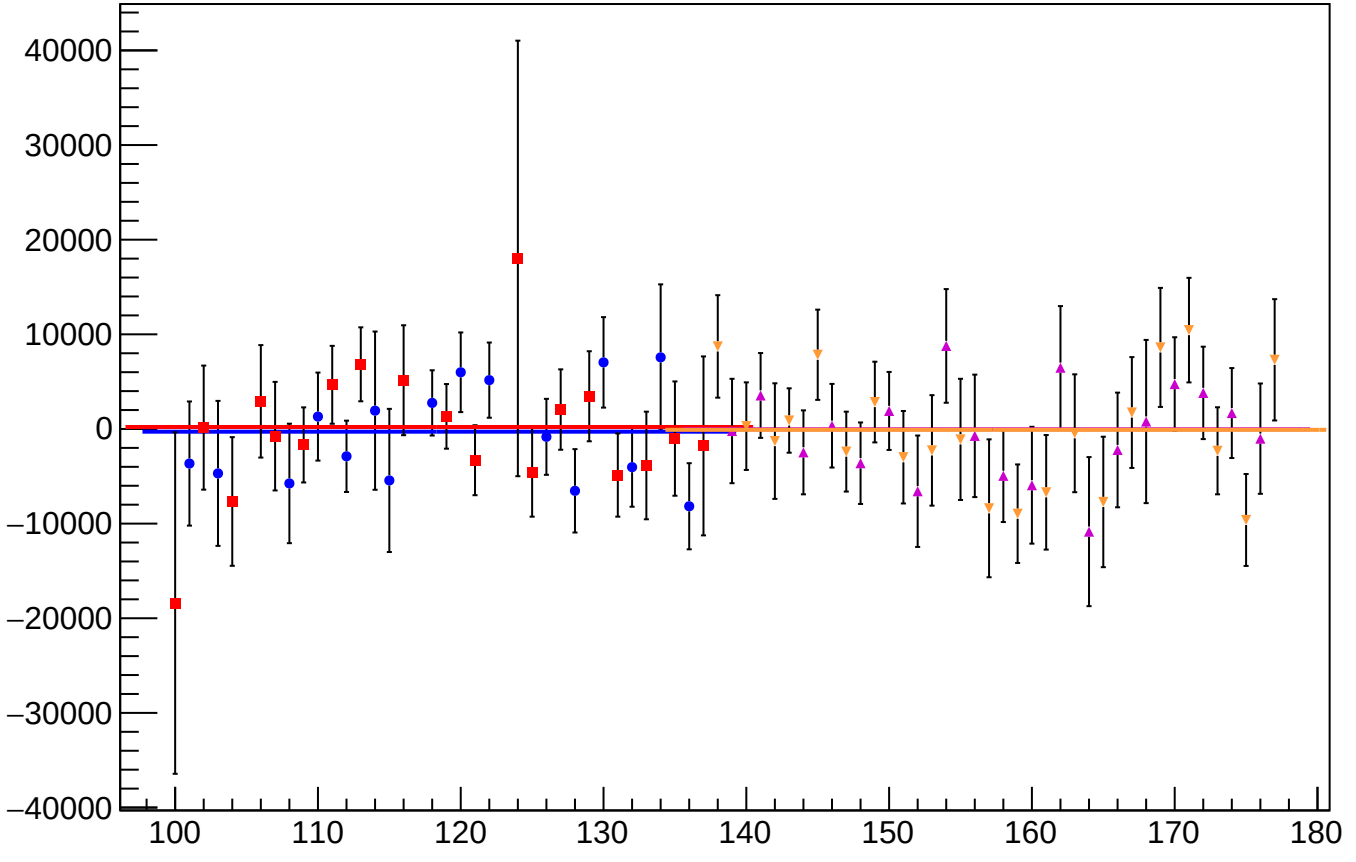
Left In: 4471.824+/-0.820 χ^2/NDF:1164352.3/18

+ sign 3282.600+/-0.513 χ^2/NDF: 6317188.4/36

All: 3182.461+/-0.357 χ^2/NDF: 13599766.1/7

- sign 3088.219+/-0.497 χ^2/NDF: 7208472.8/37

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -90.056+/-1135.237 χ^2/NDF:24.5/20

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

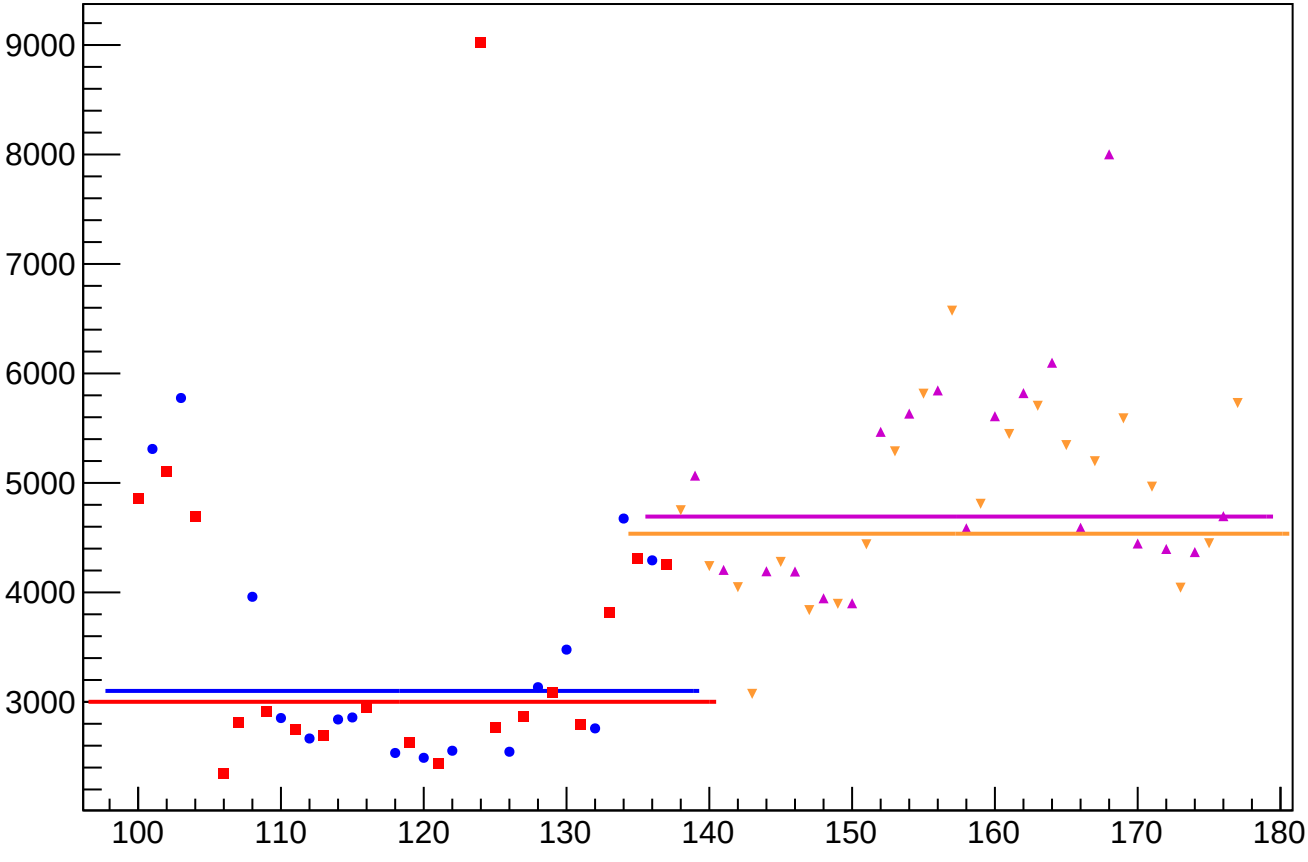
Left In: -33.376+/-1209.946 χ^2/NDF:11.9/18

+ sign -183.419+/-823.814 χ^2/NDF: 41.1/36

All: -46.666+/-586.433 χ^2/NDF: 66.0/74

- sign 93.820+/-834.981 χ^2/NDF: 24.8/37

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4536.040+/-0.803 χ^2/NDF:1105465.8/20

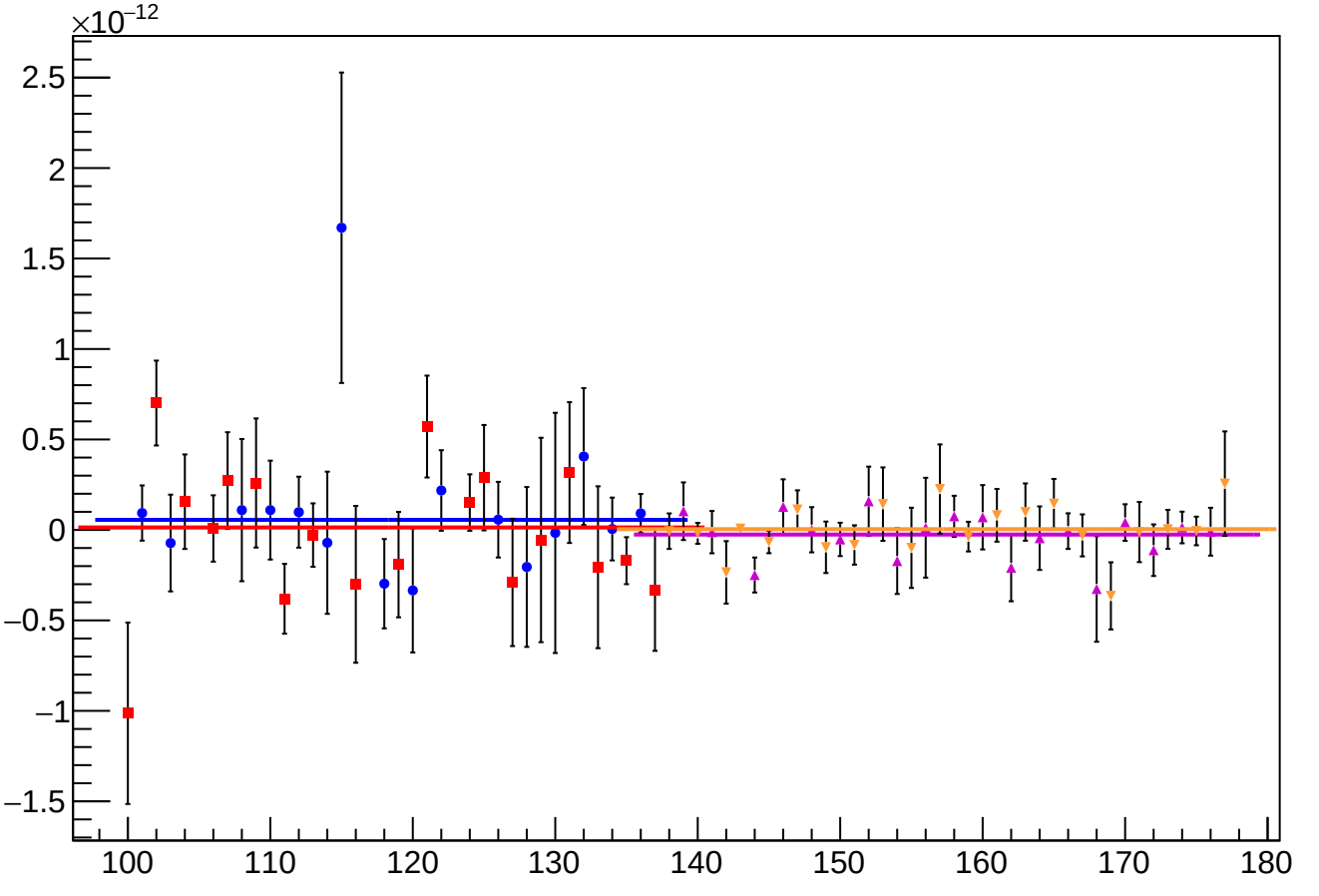
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4692.710+/-0.856 χ^2/NDF:850407.7/18

+ sign 3856.288+/-0.583 χ^2/NDF: 3583856.3/36

All: 3825.866+/-0.413 χ^2/NDF: 7321251.8/74

- sign 3795.058+/-0.586 χ^2/NDF: 3731906.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/20

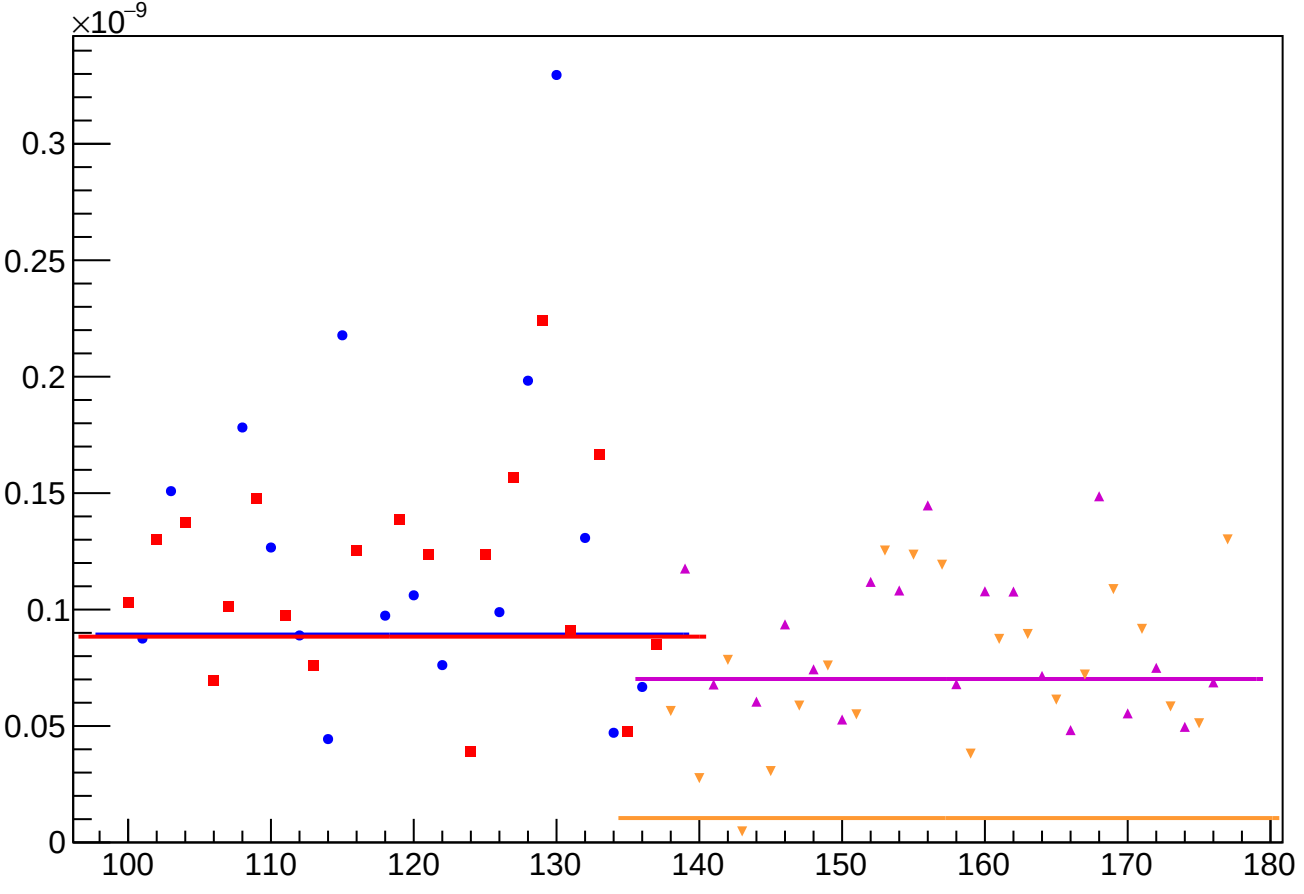
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/36

All: 0.000+/-0.000 χ^2/NDF: 68.1/74

- sign -0.000+/-0.000 χ^2/NDF: 43.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9112902.7/20

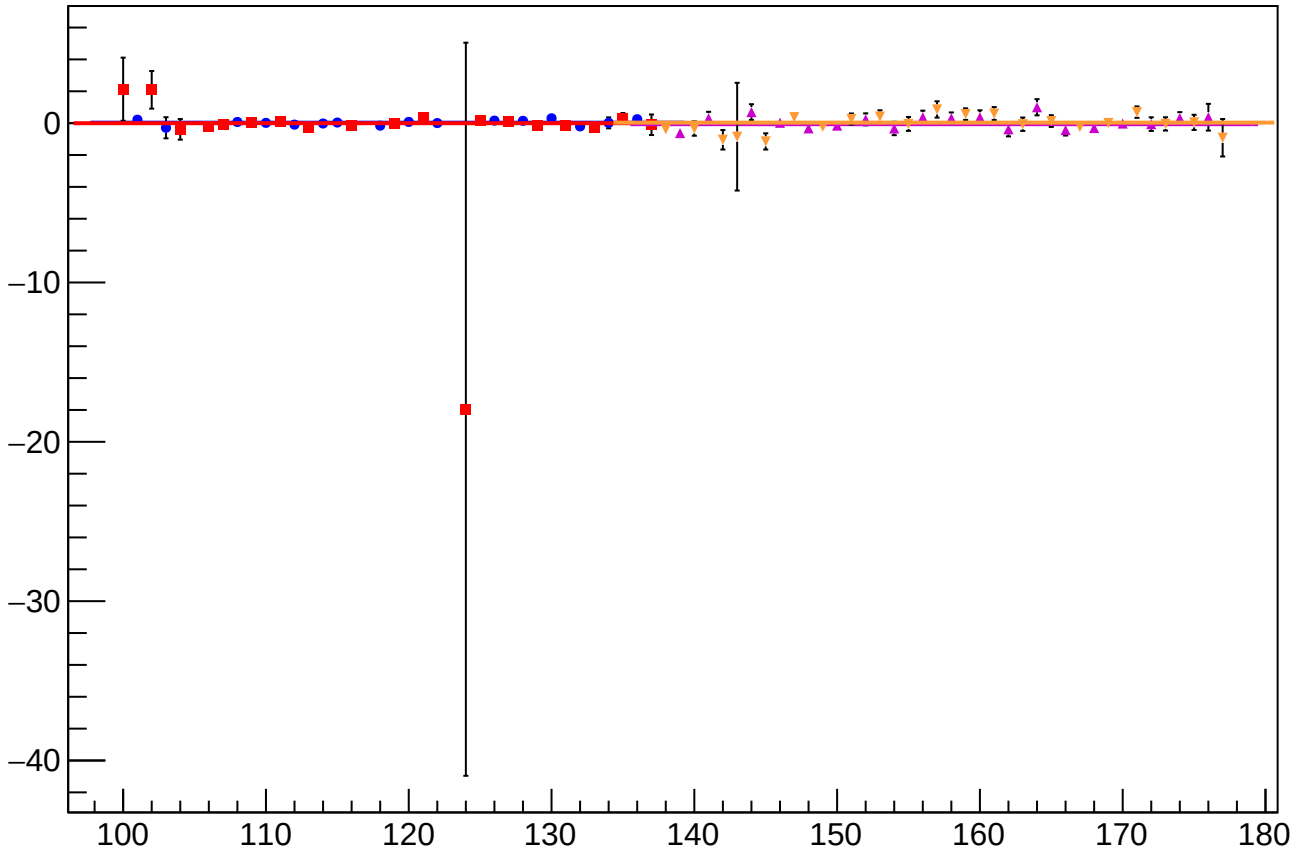
Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1220099.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 13870582.0/36

All: 0.000+/-0.000 χ^2/NDF: 26459362.2/74

- sign 0.000+/-0.000 χ^2/NDF: 2399696.1/37



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.033+/-0.078 χ^2/NDF:27.0/20

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

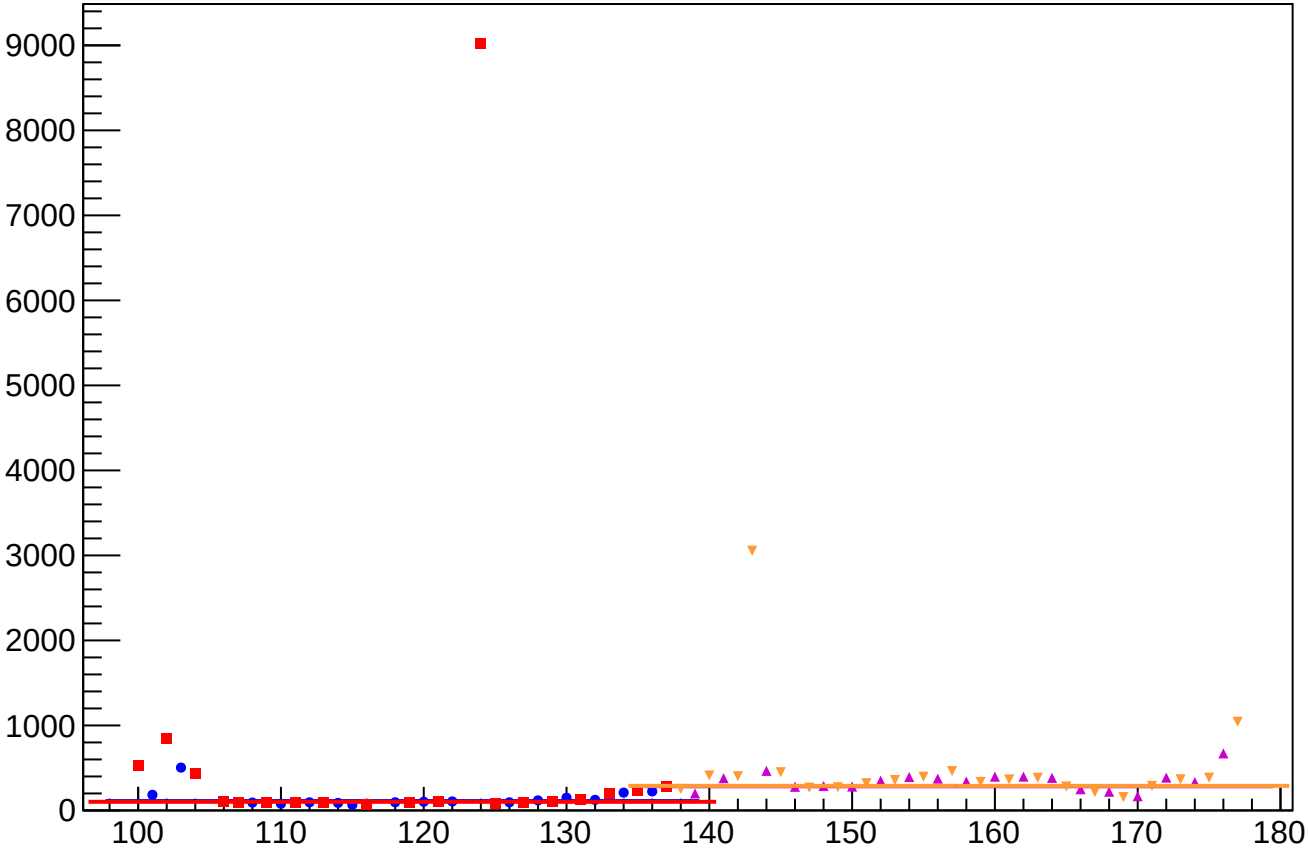
Left In: -0.064+/-0.077 χ^2/NDF:22.4/18

+ sign 0.029+/-0.039 χ^2/NDF: 35.9/36

All: 0.005+/-0.027 χ^2/NDF: 81.9/74

- sign -0.018+/-0.038 χ^2/NDF: 45.3/37

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 289.304+/-0.055 χ^2/NDF:4709157.6/20

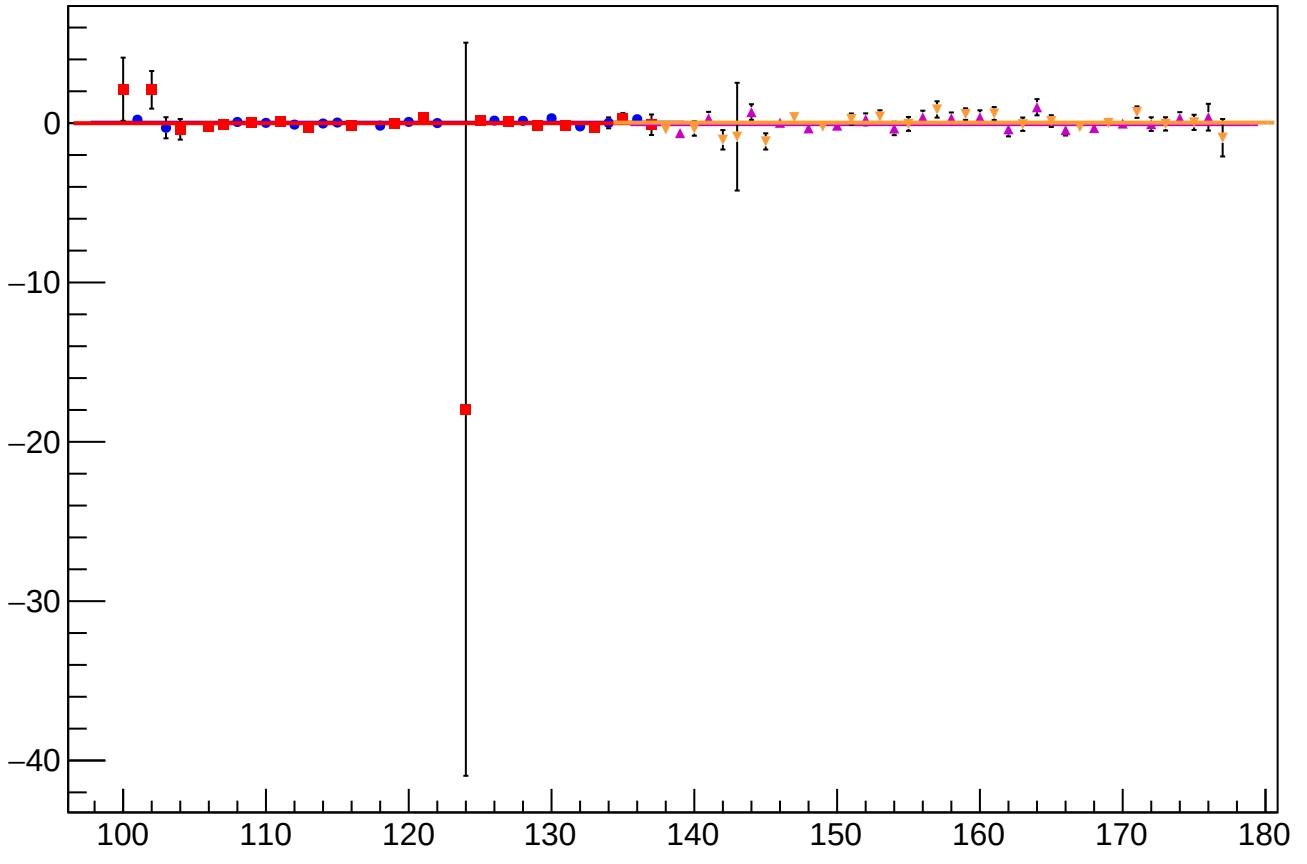
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 284.450+/-0.054 χ^2/NDF:2824083.8/18

+ sign 155.119+/-0.028 χ^2/NDF: 14526666.2/36

All: 150.356+/-0.019 χ^2/NDF: 28554942.7/74

- sign 145.930+/-0.027 χ^2/NDF: 13971272.0/37



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.033+/-0.078 χ^2/NDF:27.0/20

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

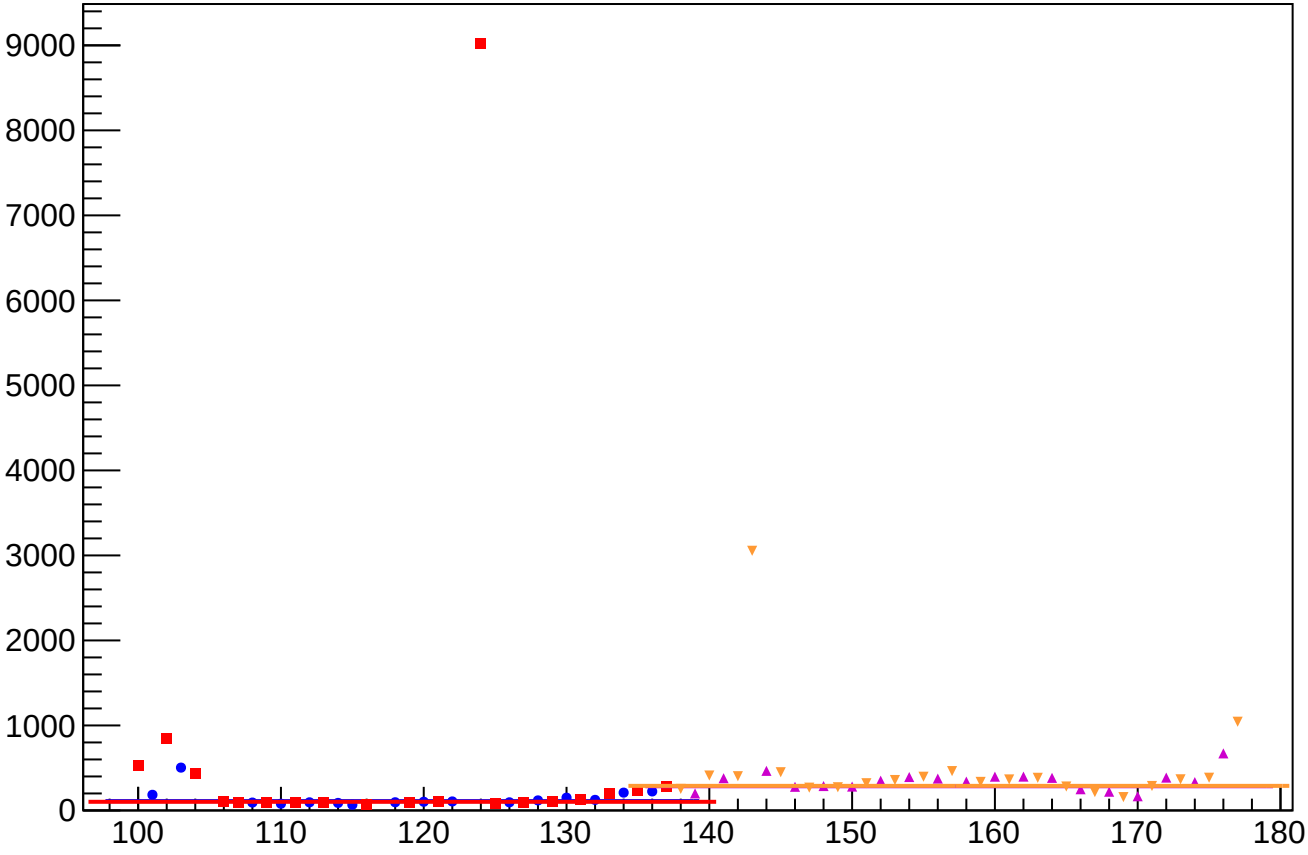
Left In: -0.064+/-0.077 χ^2/NDF:22.4/18

+ sign 0.029+/-0.039 χ^2/NDF: 35.9/36

All: 0.005+/-0.027 χ^2/NDF: 81.9/74

- sign -0.018+/-0.038 χ^2/NDF: 45.3/37

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 289.304+/-0.055 χ^2/NDF:4709157.6/20

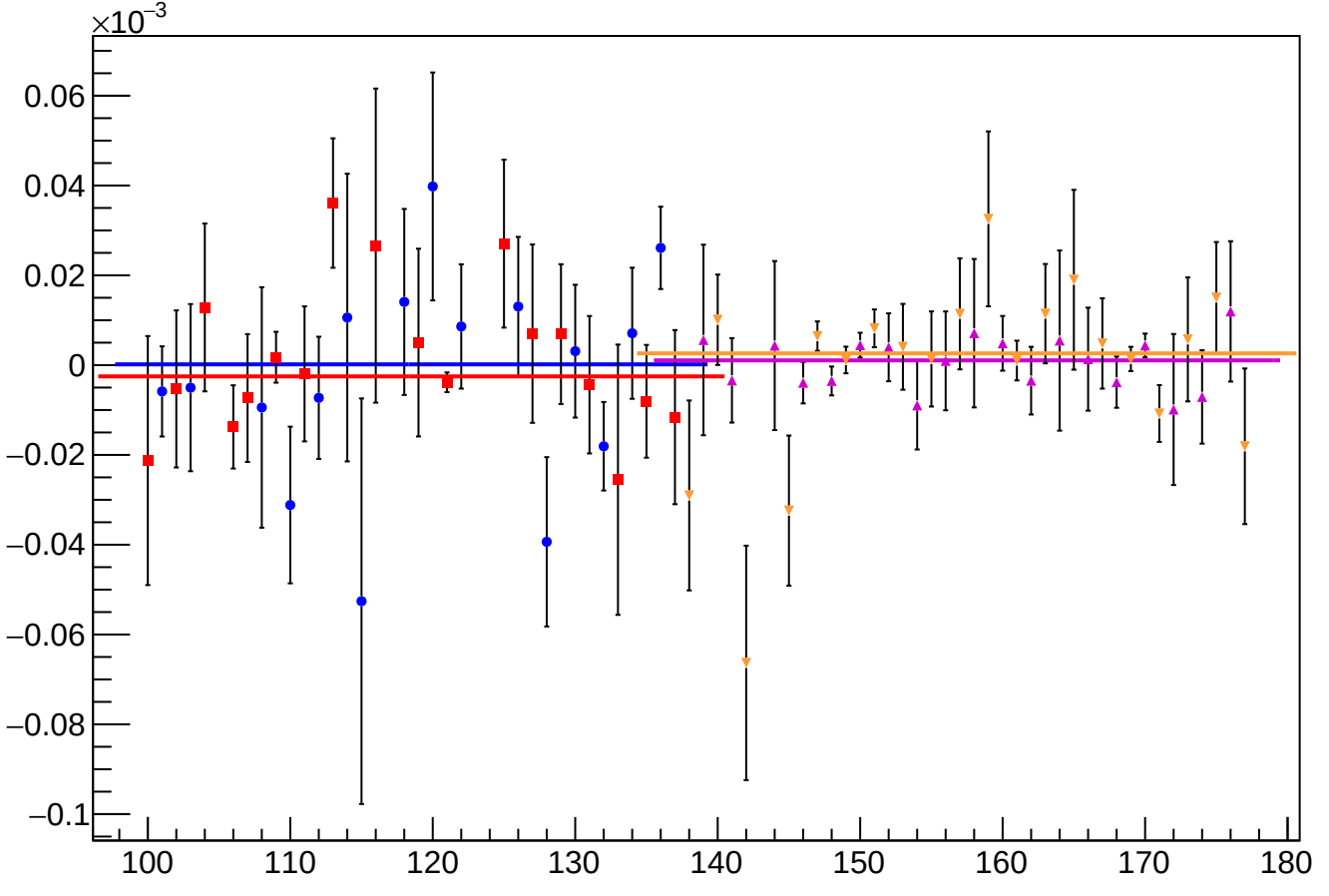
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 284.450+/-0.054 χ^2/NDF:2824083.8/18

+ sign 155.119+/-0.028 χ^2/NDF: 14526666.2/36

All: 150.356+/-0.019 χ^2/NDF: 28554942.7/74

- sign 145.930+/-0.027 χ^2/NDF: 13971272.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.1/19

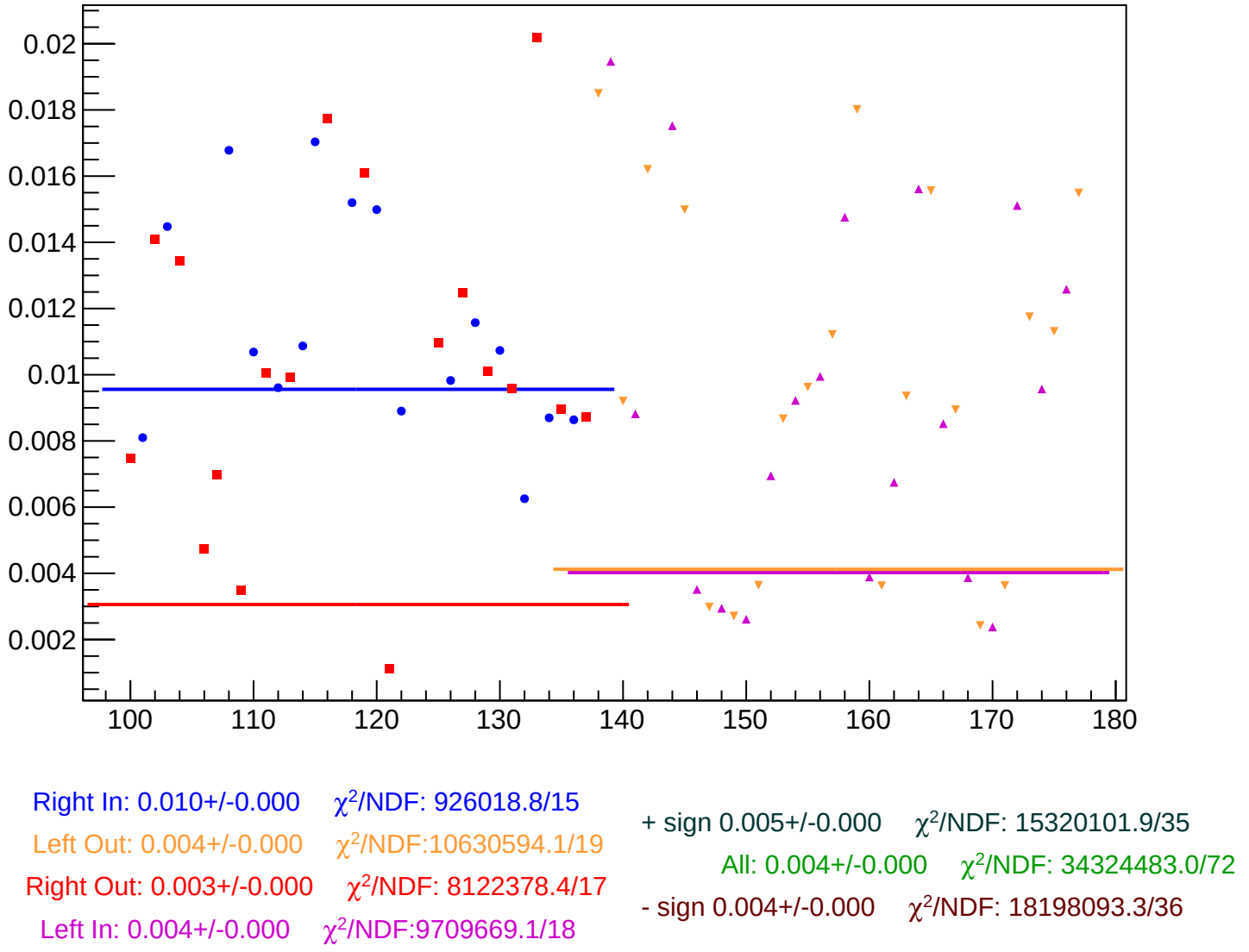
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

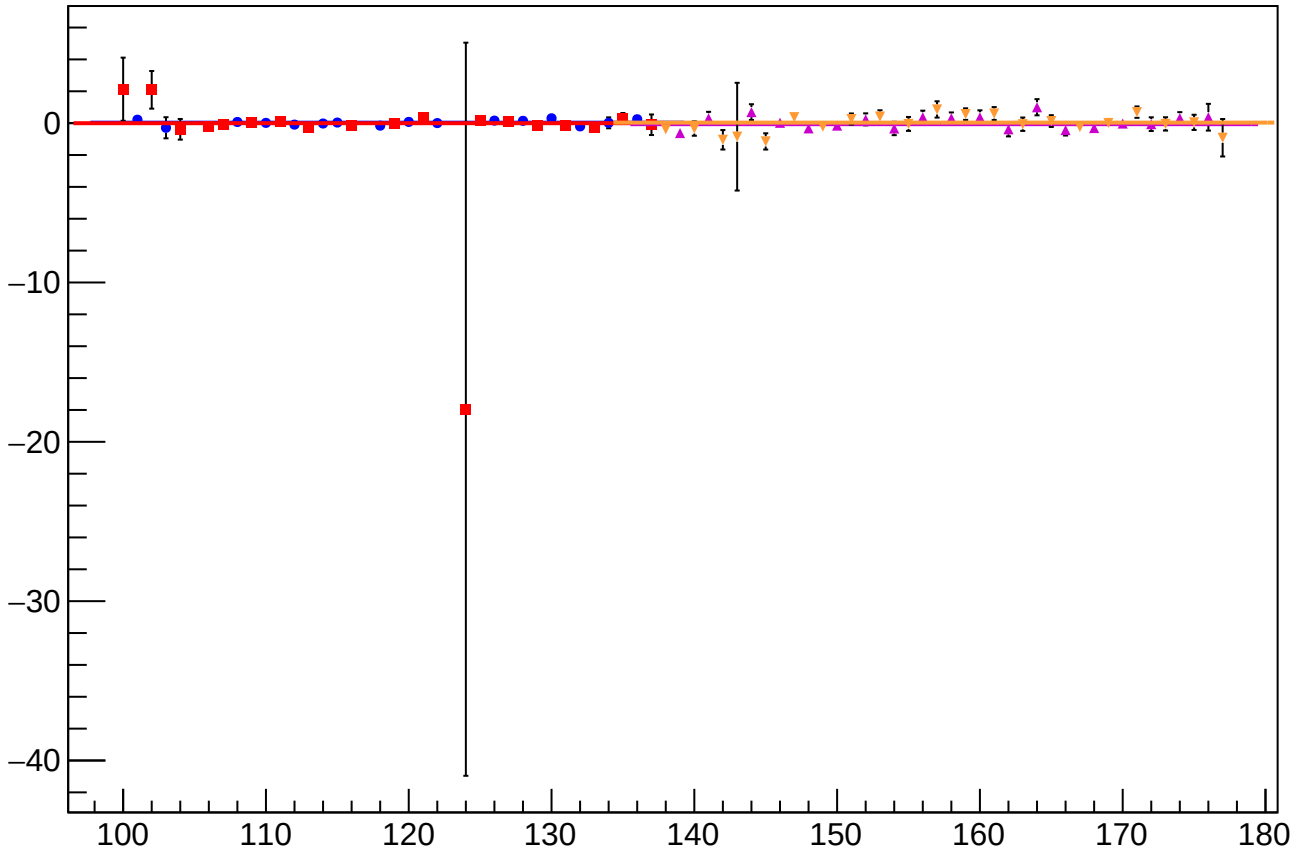
Left In: 0.000+/-0.000 χ^2/NDF:10.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 55.1/35

All: 0.000+/-0.000 χ^2/NDF: 86.6/72

- sign -0.000+/-0.000 χ^2/NDF: 29.2/36


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:10630594.1/19
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:9709669.1/18
+ sign 0.005+/-0.000 χ²/NDF: 15320101.9/35
All: 0.004+/-0.000 χ²/NDF: 34324483.0/72
- sign 0.004+/-0.000 χ²/NDF: 18198093.3/36



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.033+/-0.078 χ^2/NDF:27.0/20

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

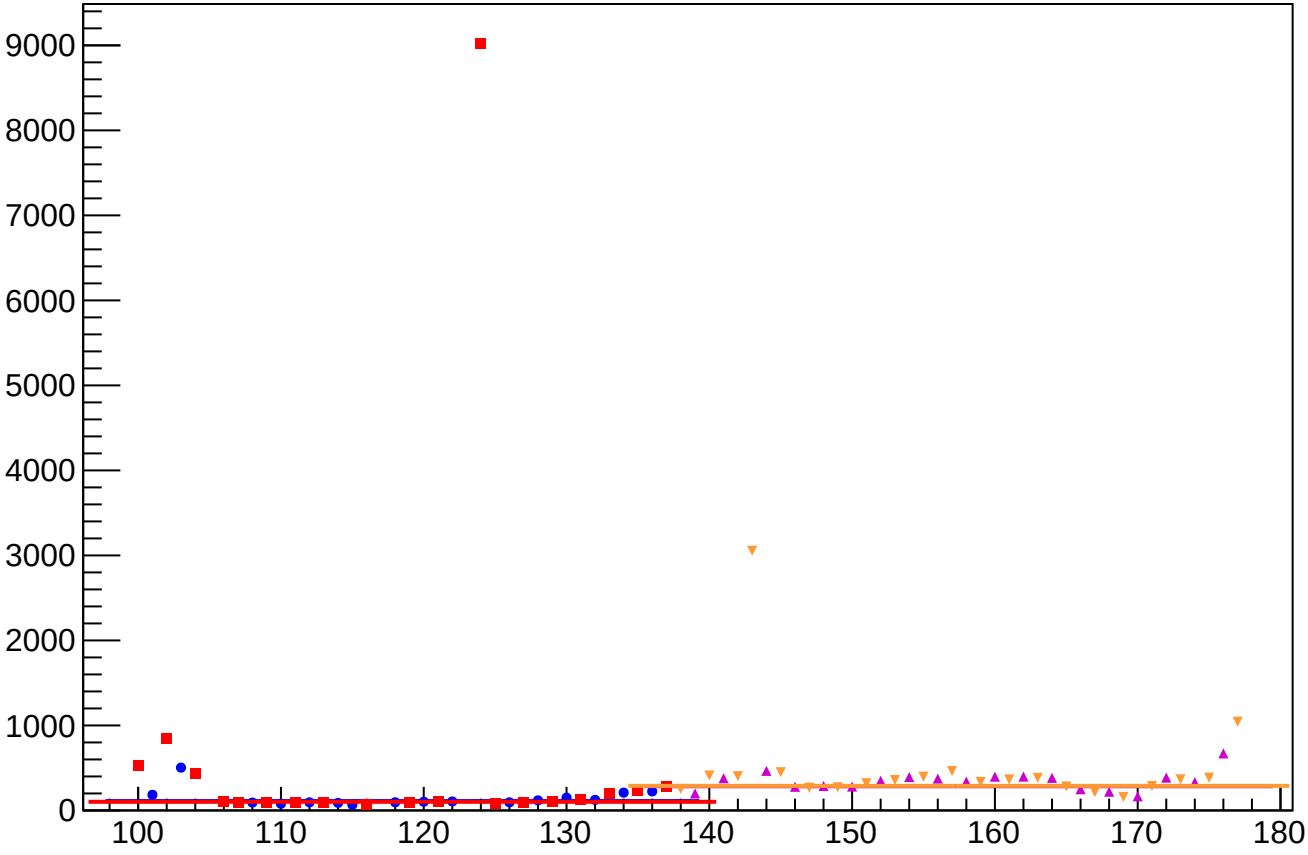
Left In: -0.064+/-0.077 χ^2/NDF:22.4/18

+ sign 0.029+/-0.039 χ^2/NDF: 35.9/36

All: 0.005+/-0.027 χ^2/NDF: 81.9/74

- sign -0.018+/-0.038 χ^2/NDF: 45.3/37

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 289.305+/-0.055 χ^2/NDF:4709204.7/20

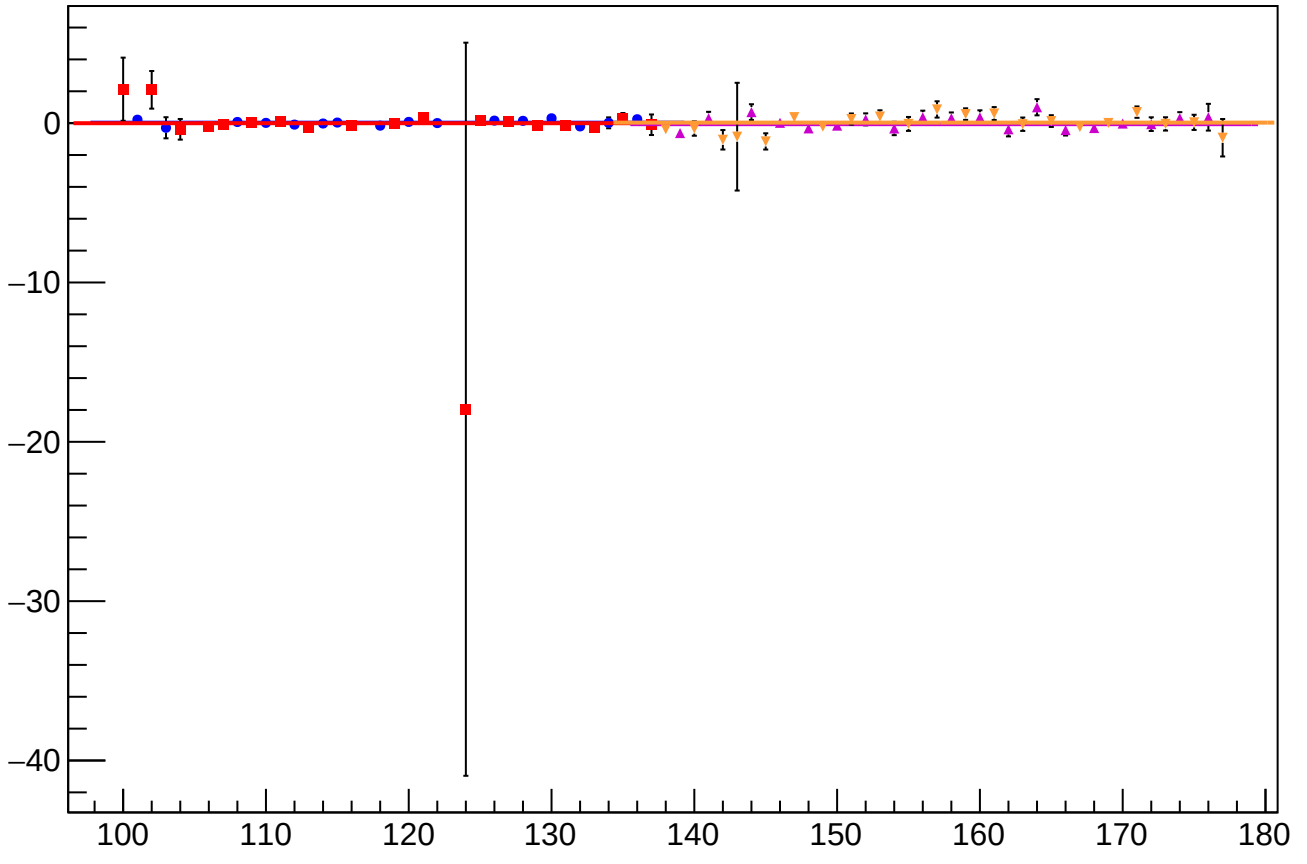
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 284.453+/-0.054 χ^2/NDF:2824038.1/18

+ sign 155.120+/-0.028 χ^2/NDF: 14526607.4/36

All: 150.357+/-0.019 χ^2/NDF: 28554749.5/74

- sign 145.931+/-0.027 χ^2/NDF: 13971145.2/37



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.033+/-0.078 χ^2/NDF:27.0/20

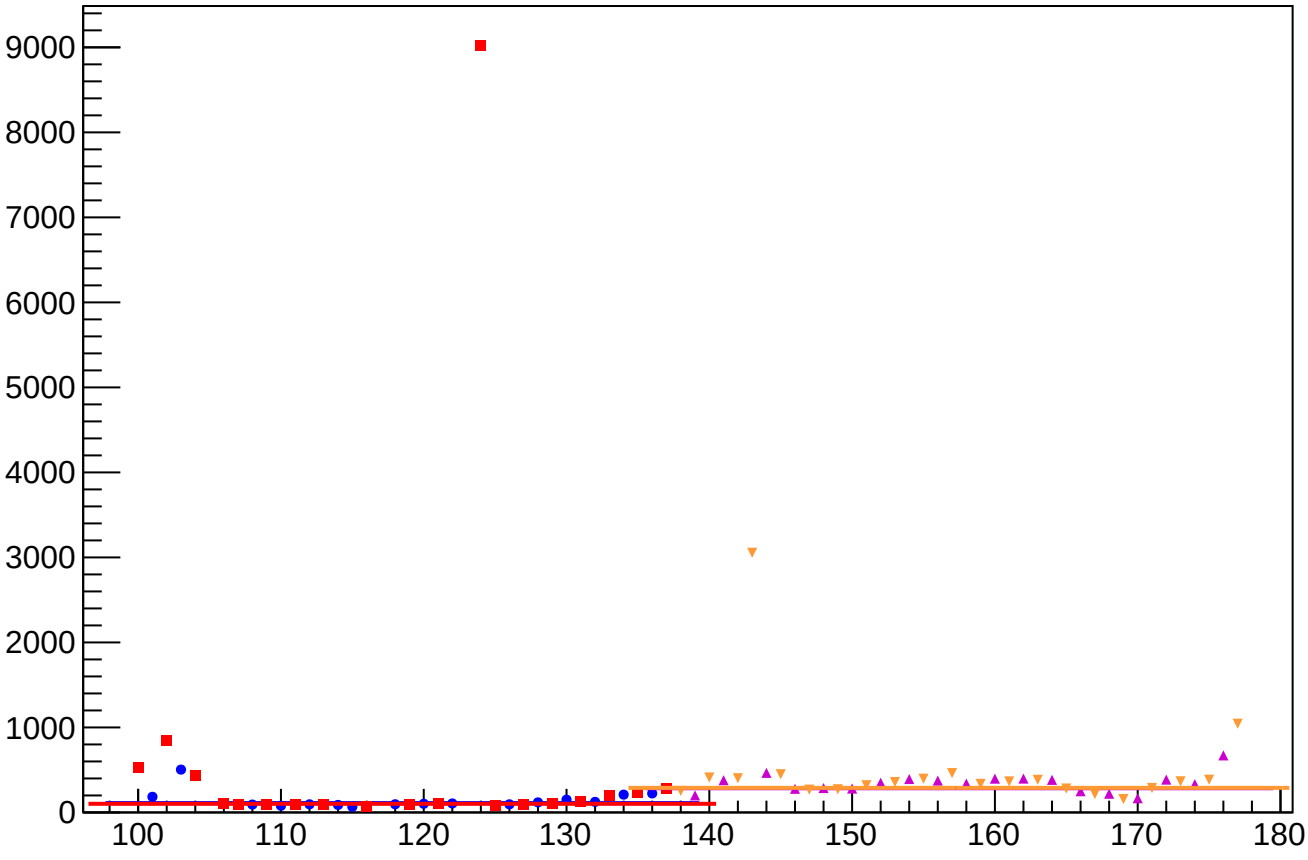
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.064+/-0.077 χ^2/NDF:22.4/18

+ sign 0.029+/-0.039 χ^2/NDF: 35.9/36

All: 0.005+/-0.027 χ^2/NDF: 81.9/74

- sign -0.018+/-0.038 χ^2/NDF: 45.3/37



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 289.305+/-0.055 χ^2/NDF:4709204.7/20

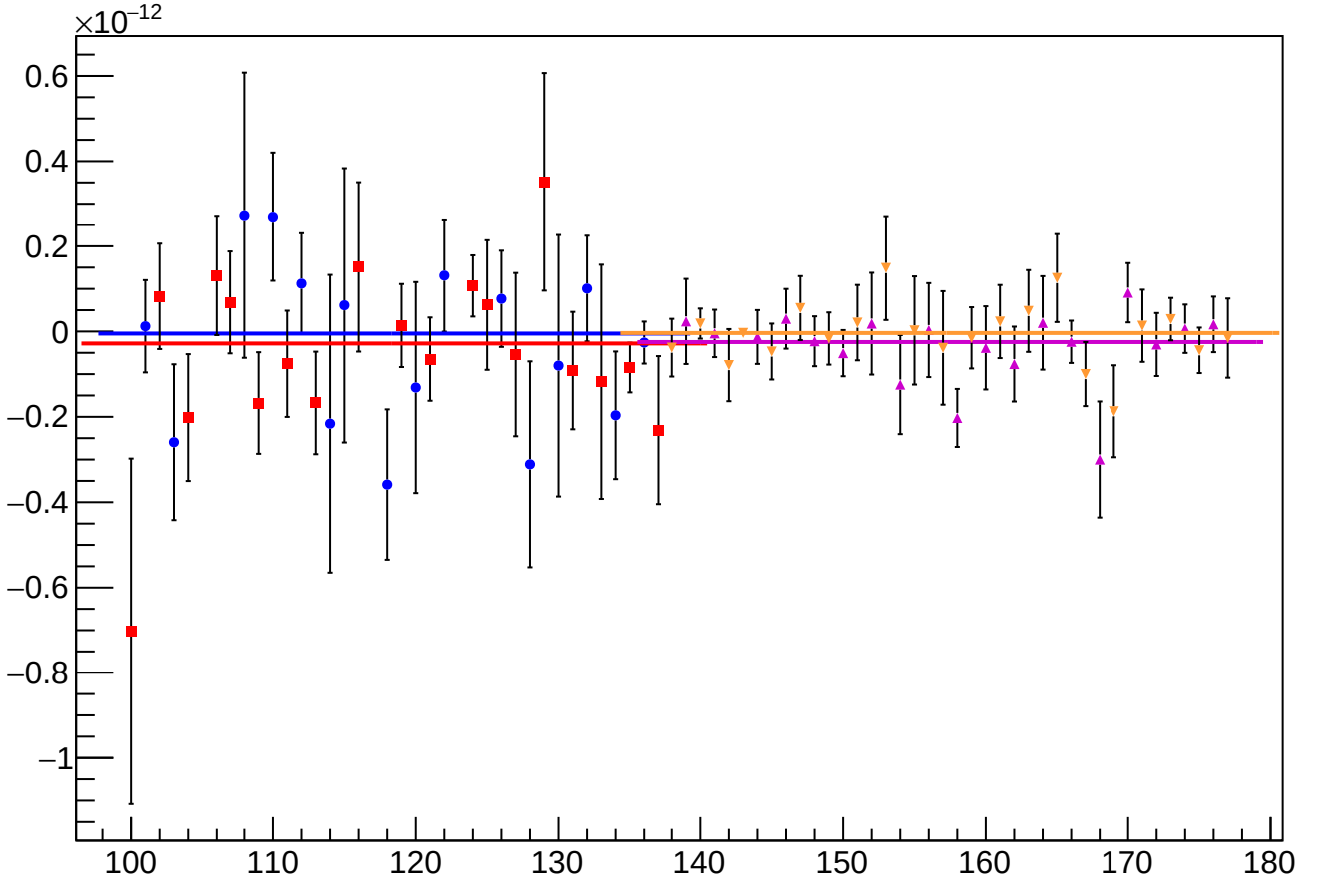
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 284.453+/-0.054 χ^2/NDF:2824038.1/18

+ sign 155.120+/-0.028 χ^2/NDF: 14526607.4/36

All: 150.357+/-0.019 χ^2/NDF: 28554749.5/74

- sign 145.931+/-0.027 χ^2/NDF: 13971145.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/20

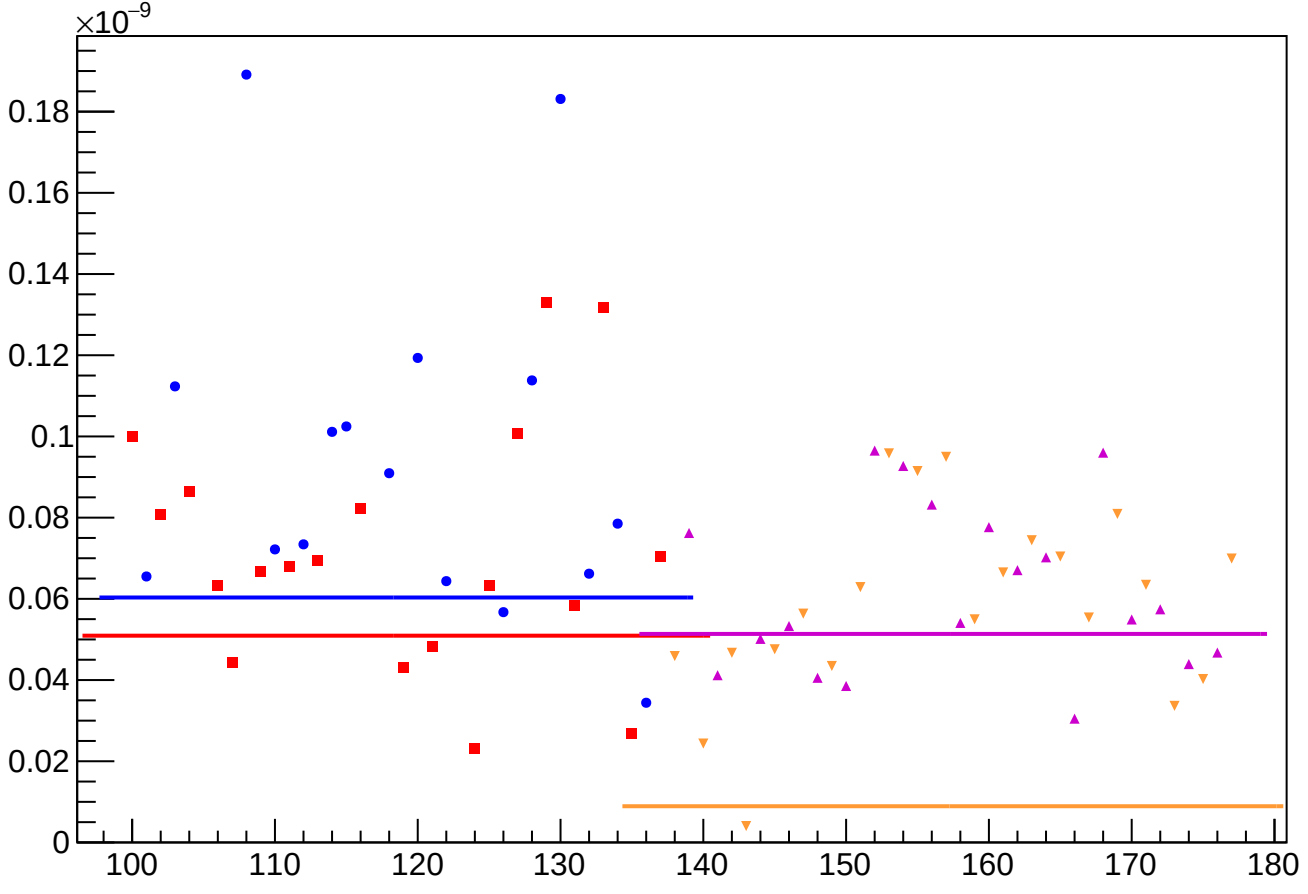
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/36

All: -0.000+/-0.000 χ^2/NDF: 68.3/74

- sign -0.000+/-0.000 χ^2/NDF: 36.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16360217.9/20

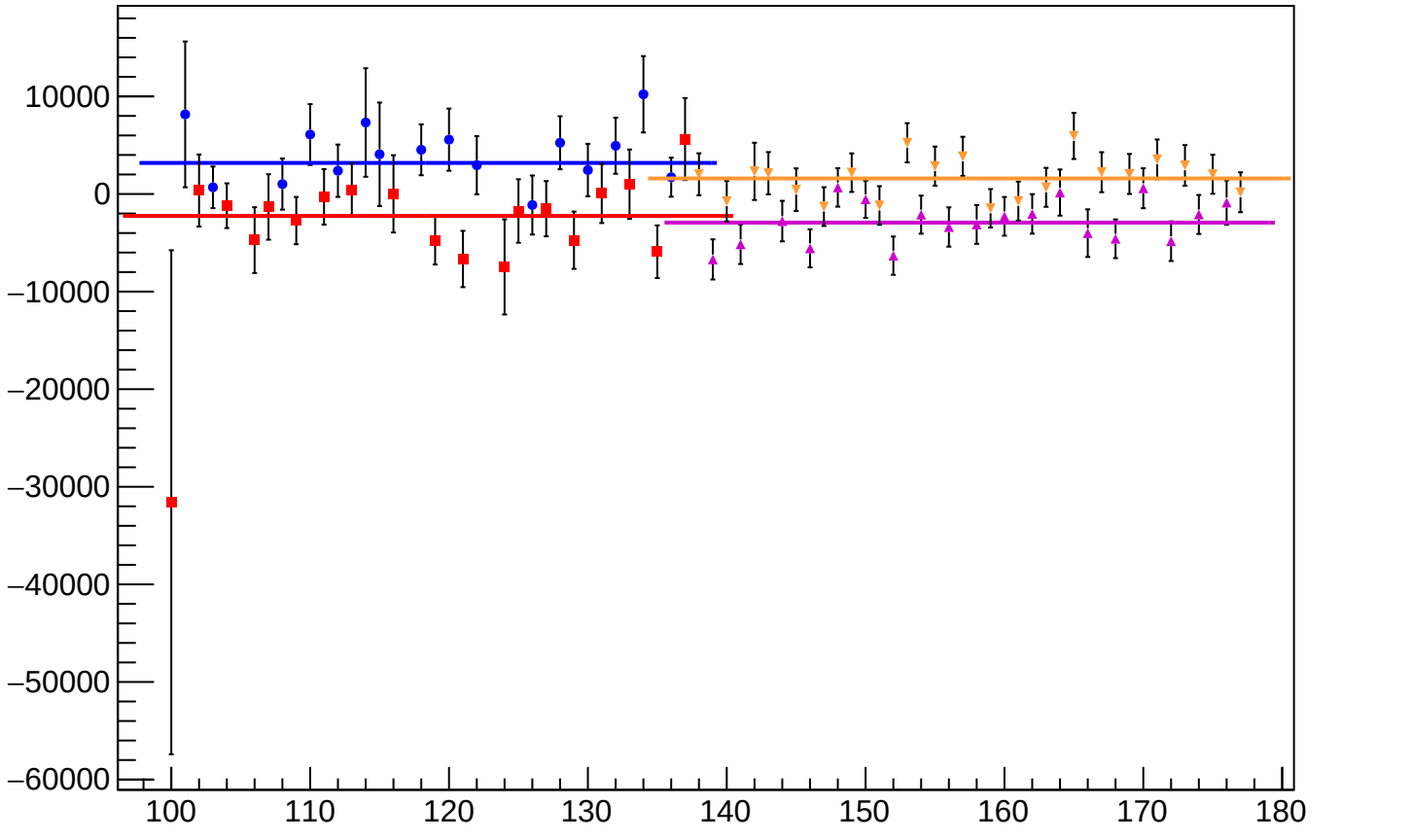
Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1984122.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 23207492.5/36

All: 0.000+/-0.000 χ^2/NDF: 41650929.4/74

- sign 0.000+/-0.000 χ^2/NDF: 3651498.2/37



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1593.562+/-453.068 χ^2/NDF:20.2/20

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

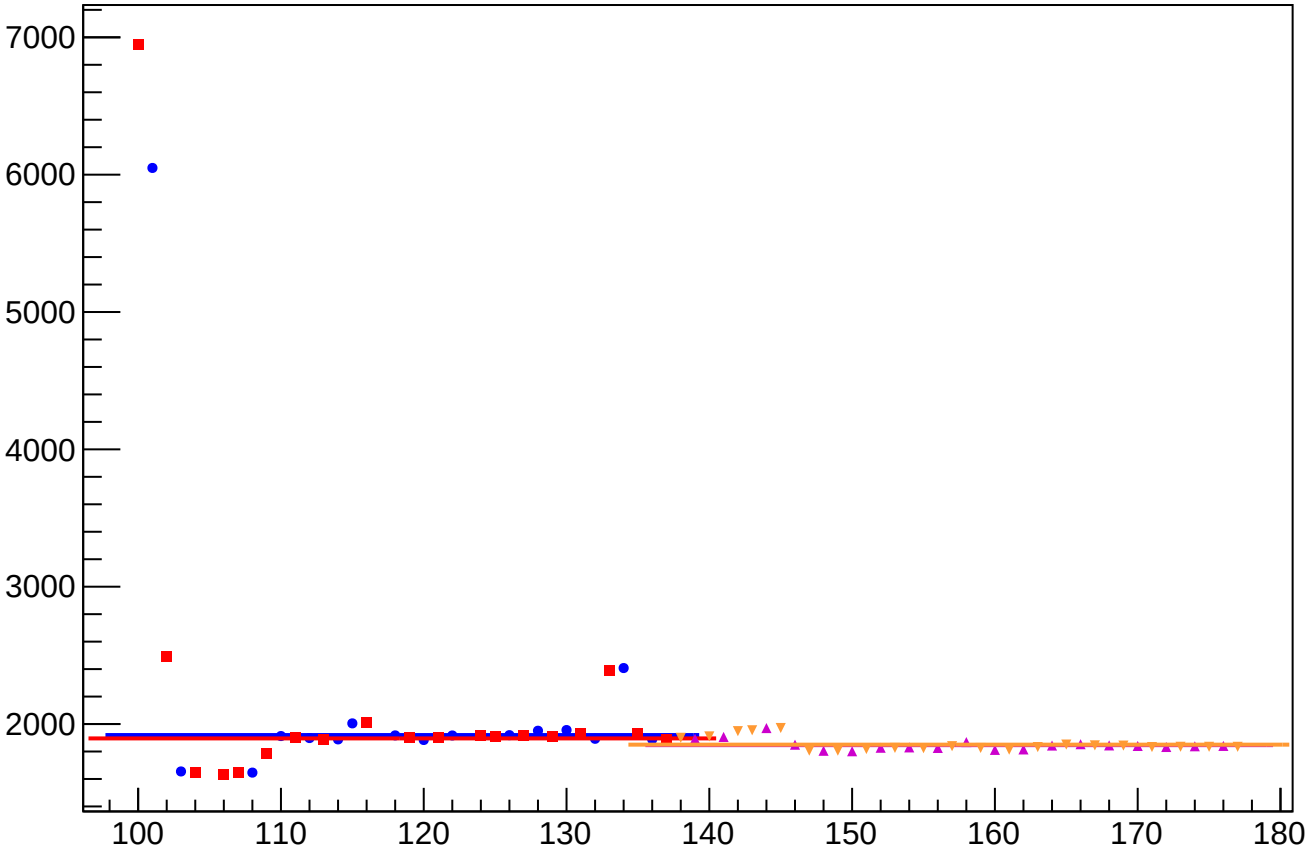
Left In: -2931.769+/-468.445 χ^2/NDF:22.3/18

+ sign 2034.759+/-385.119 χ^2/NDF: 35.3/36

All: -307.672+/-274.431 χ^2/NDF: 149.9/74

- sign -2724.173+/-391.160 χ^2/NDF: 39.4/37

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1849.919+/-0.320 χ^2/NDF:20603.7/20

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

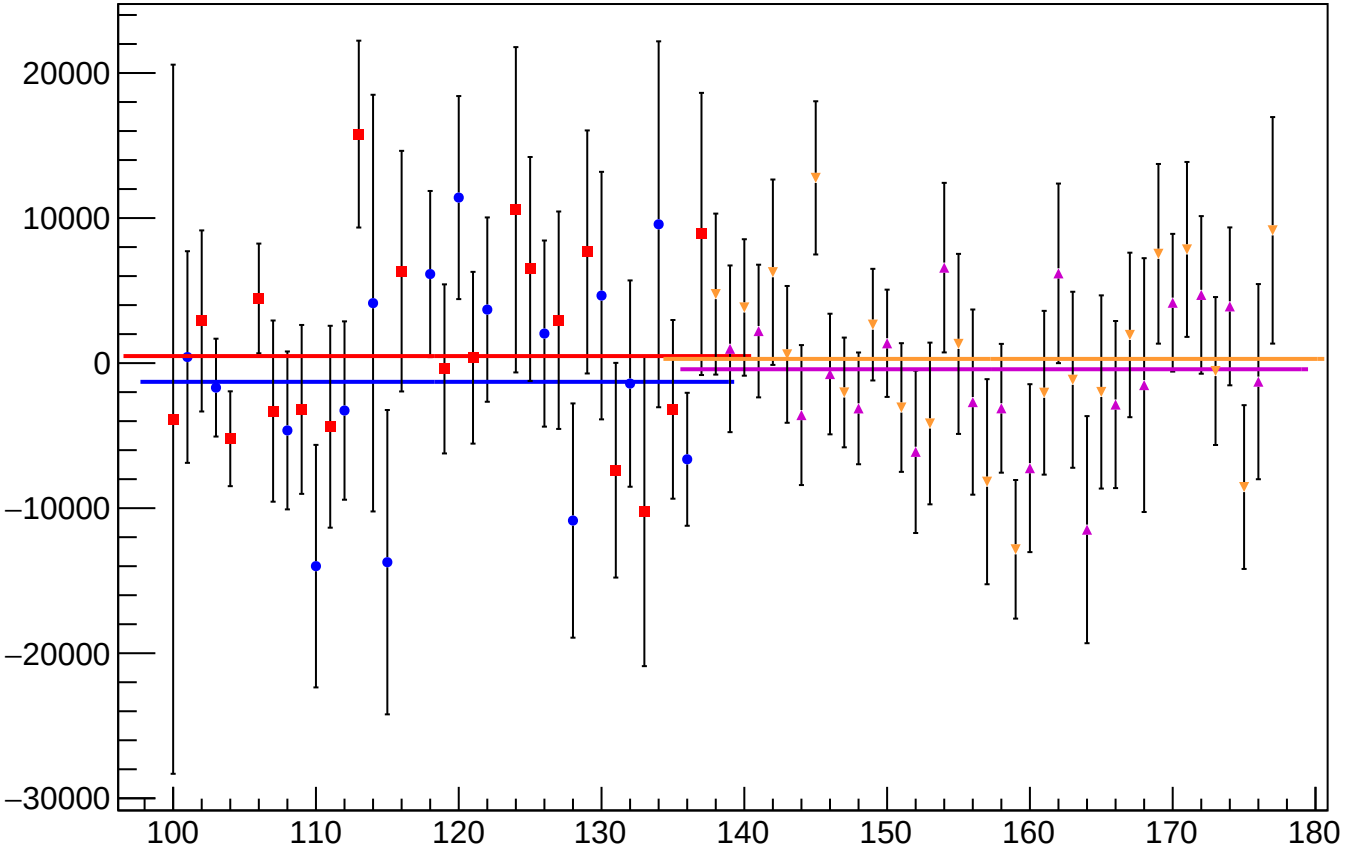
Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

+ sign 1869.316+/-0.272 χ^2/NDF: 731146.7/36

All: 1865.346+/-0.194 χ^2/NDF: 974419.7/74

- sign 1861.259+/-0.276 χ^2/NDF: 242841.7/37

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 290.507+/-1158.437 χ^2/NDF:25.8/20

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

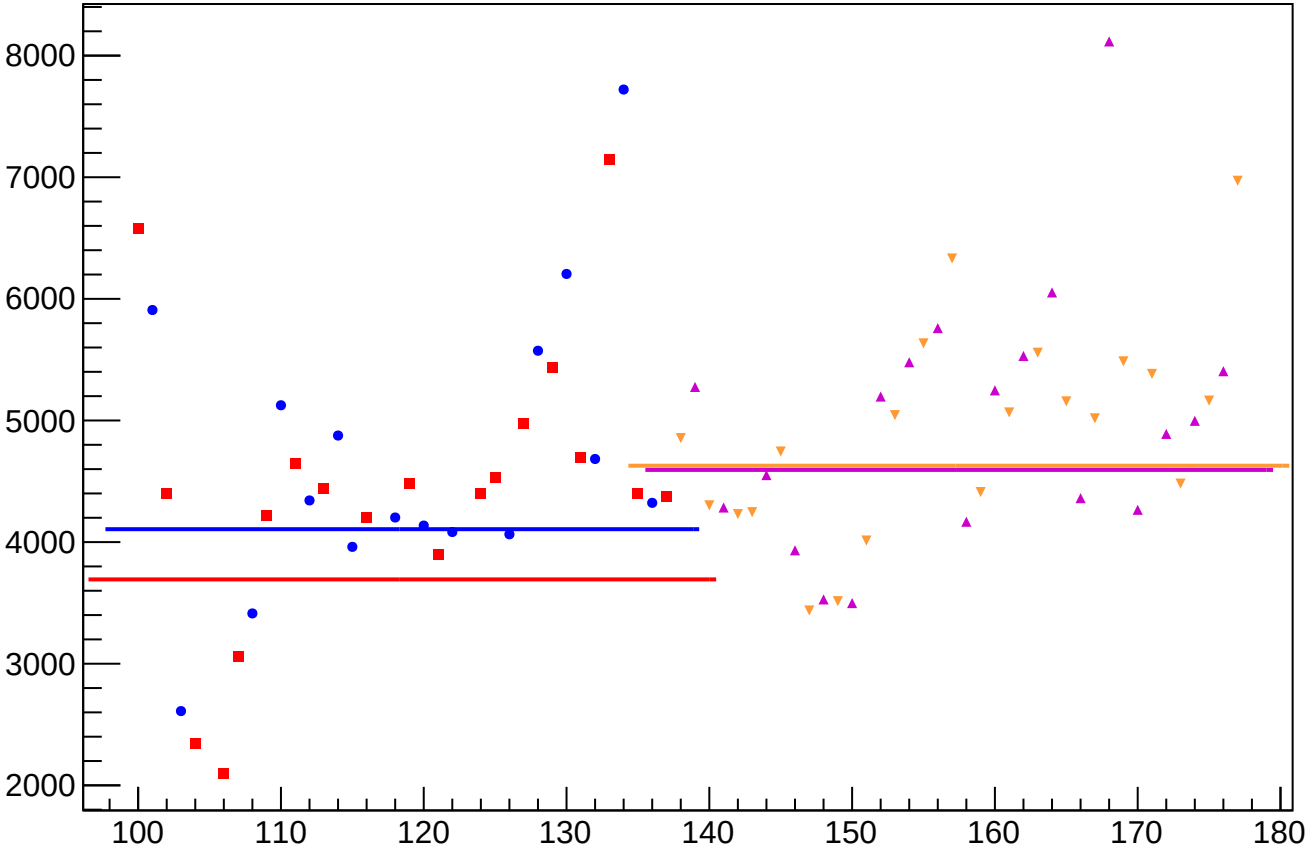
Left In: -422.678+/-1190.601 χ^2/NDF:11.7/18

+ sign -259.779+/-935.353 χ^2/NDF: 40.7/36

All: -154.469+/-654.783 χ^2/NDF: 69.9/74

- sign -53.268+/-916.927 χ^2/NDF: 29.2/37

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4628.112+/-0.819 χ^2/NDF:973282.6/20

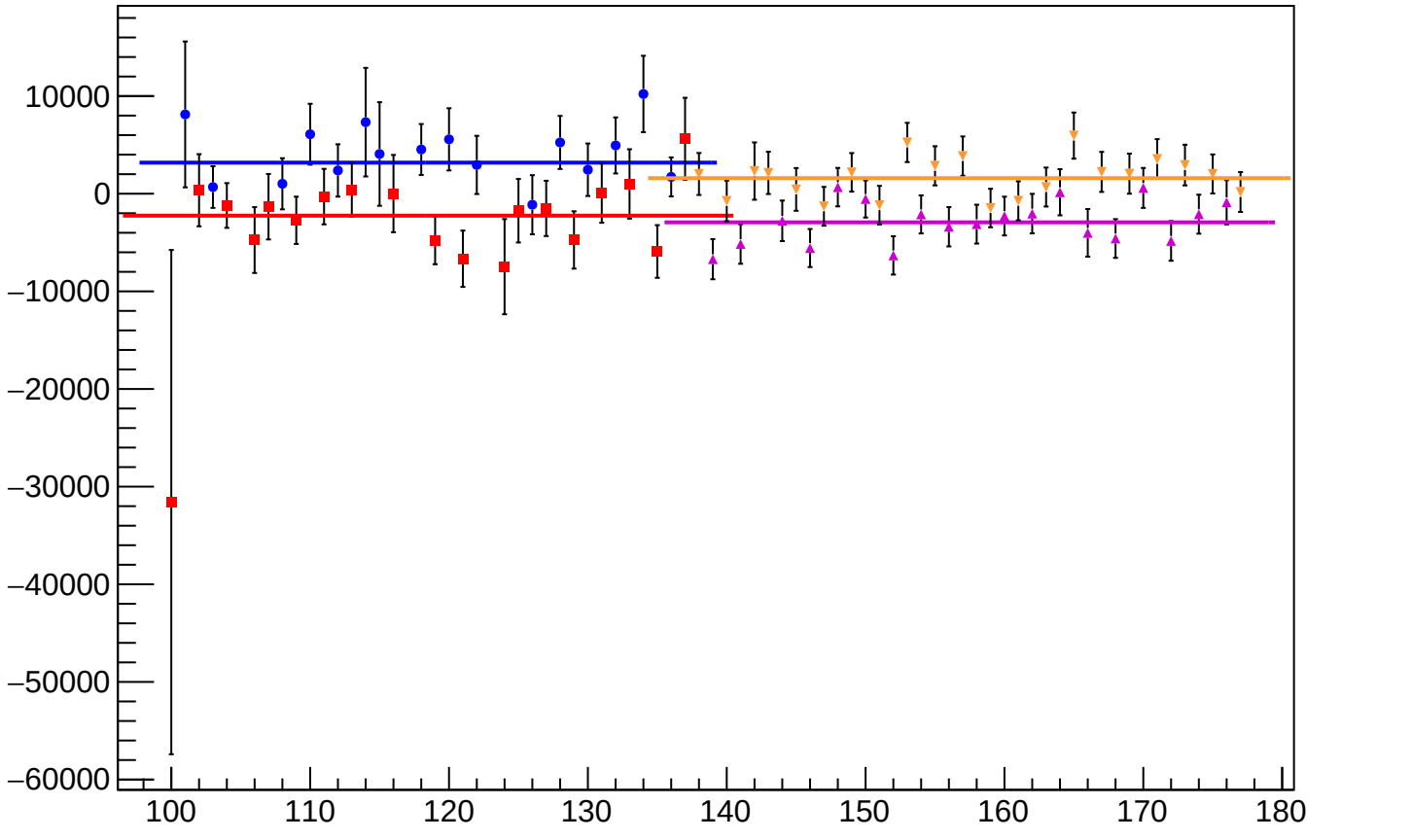
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4593.551+/-0.842 χ^2/NDF:1094464.8/18

+ sign 4446.434+/-0.661 χ^2/NDF: 2070742.8/36

All: 4334.655+/-0.463 χ^2/NDF: 5043161.6/74

- sign 4227.236+/-0.648 χ^2/NDF: 2916407.5/37



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1593.497+/-453.068 χ^2/NDF:20.2/20

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

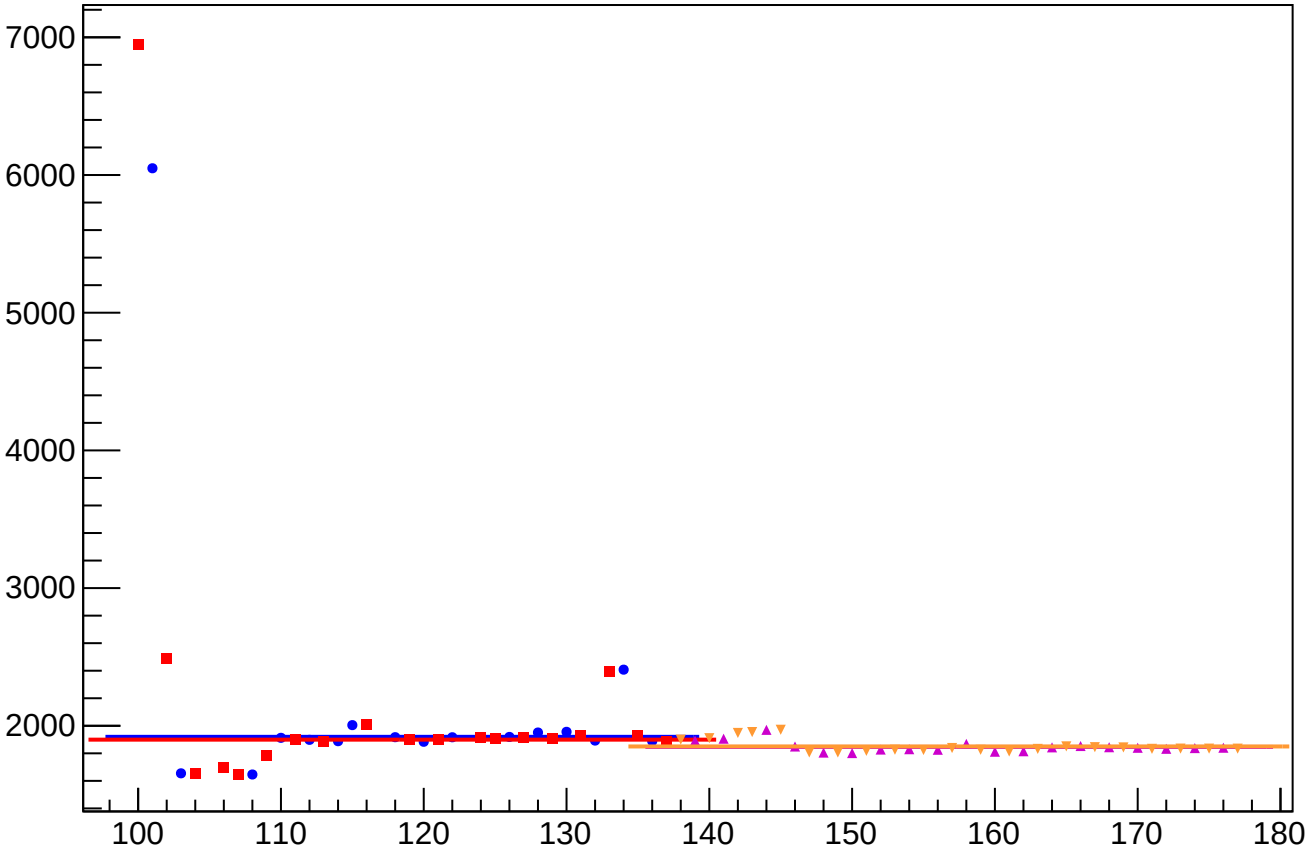
Left In: -2931.740+/-468.445 χ^2/NDF:22.3/18

+ sign 2034.509+/-385.119 χ^2/NDF: 35.3/36

All: -307.956+/-274.431 χ^2/NDF: 149.9/74

- sign -2724.498+/-391.161 χ^2/NDF: 39.4/37

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.919+/-0.320 χ^2/NDF:20603.7/20

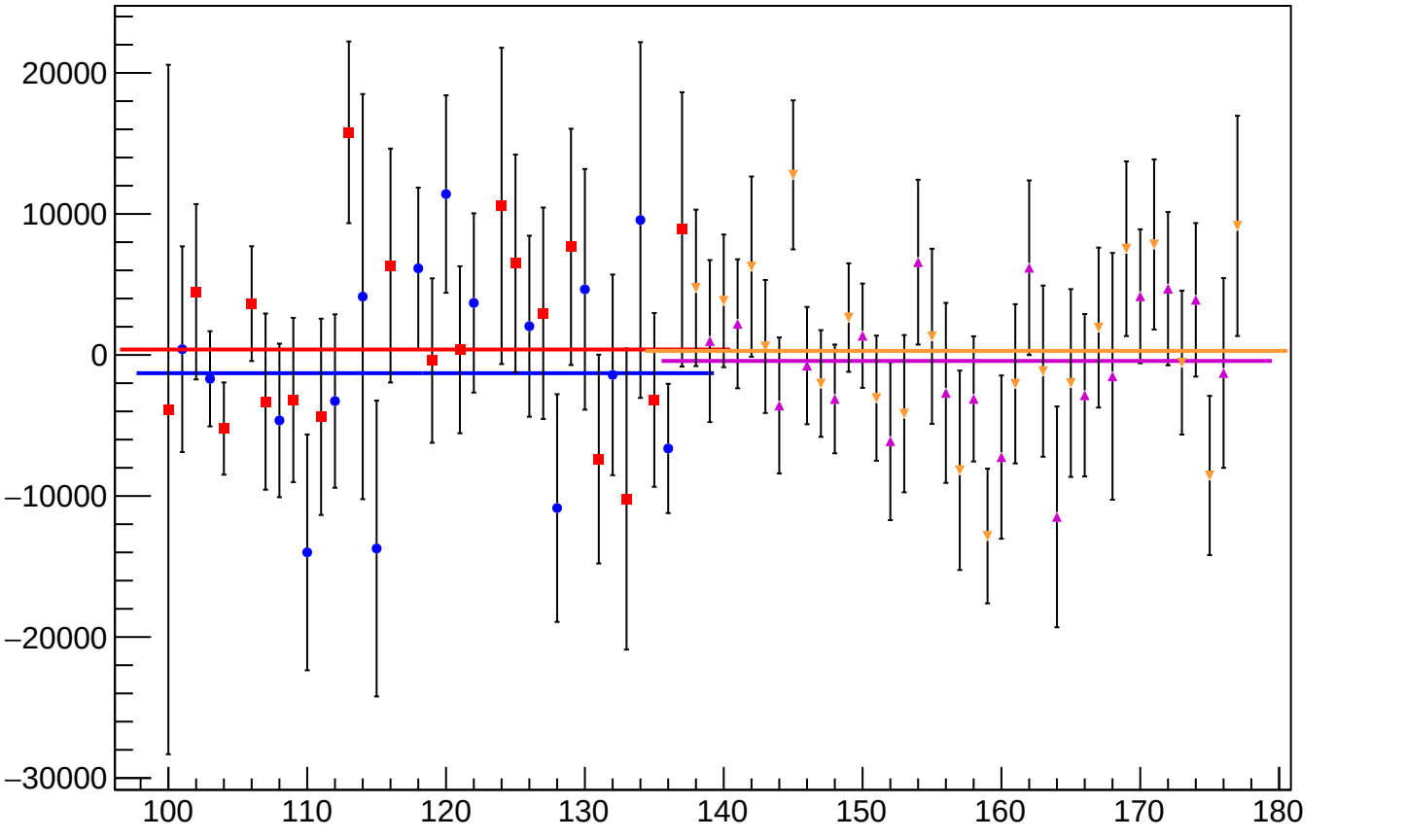
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

+ sign 1869.316+/-0.272 χ^2/NDF: 731146.0/36

All: 1865.927+/-0.194 χ^2/NDF: 968794.0/74

- sign 1862.434+/-0.276 χ^2/NDF: 237333.6/37



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 290.490+/-1158.435 χ^2/NDF:25.8/20

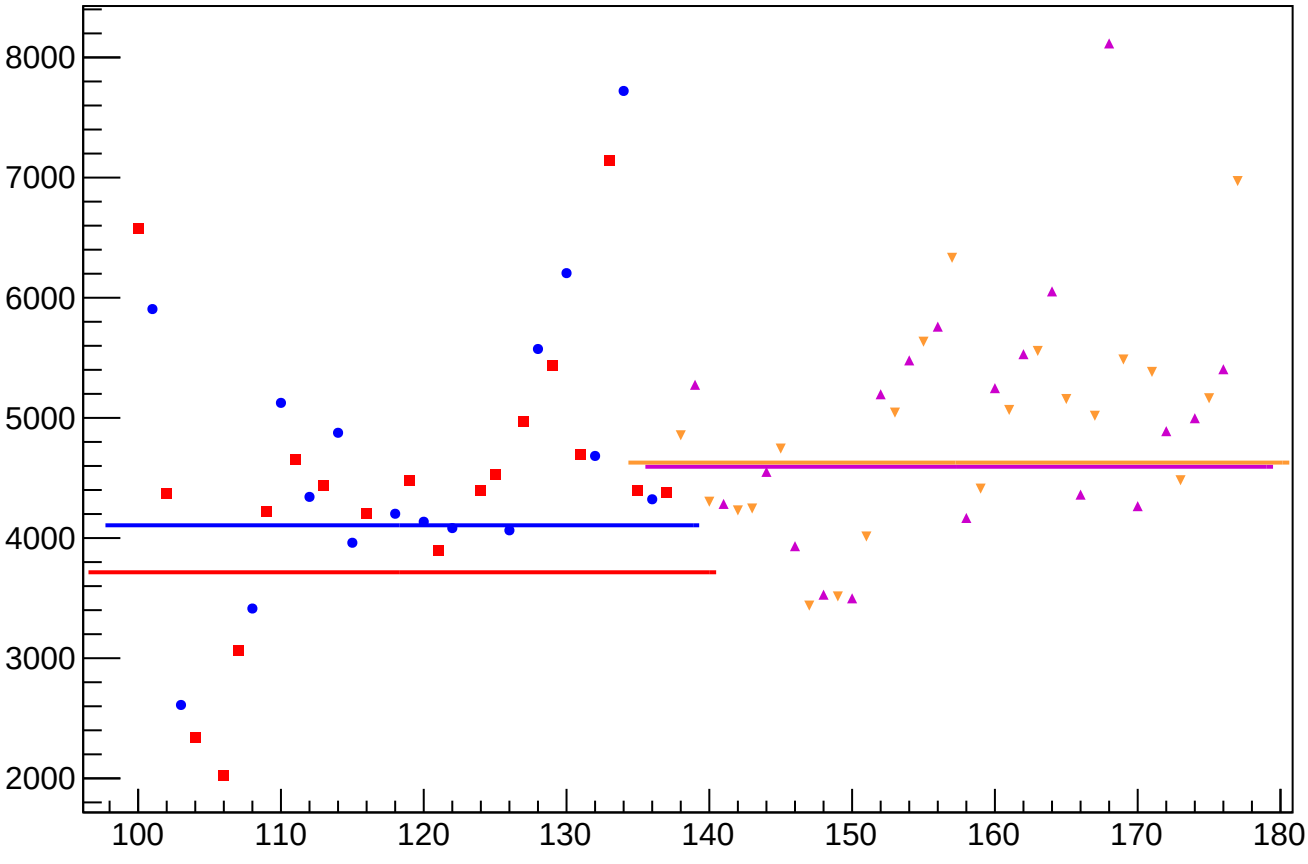
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -422.696+/-1190.602 χ^2/NDF:11.7/18

+ sign -259.915+/-935.353 χ^2/NDF: 40.7/36

All: -177.049+/-656.097 χ^2/NDF: 69.6/74

- sign -96.787+/-920.546 χ^2/NDF: 28.9/37



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4628.101+/-0.819 χ^2/NDF:973300.9/20

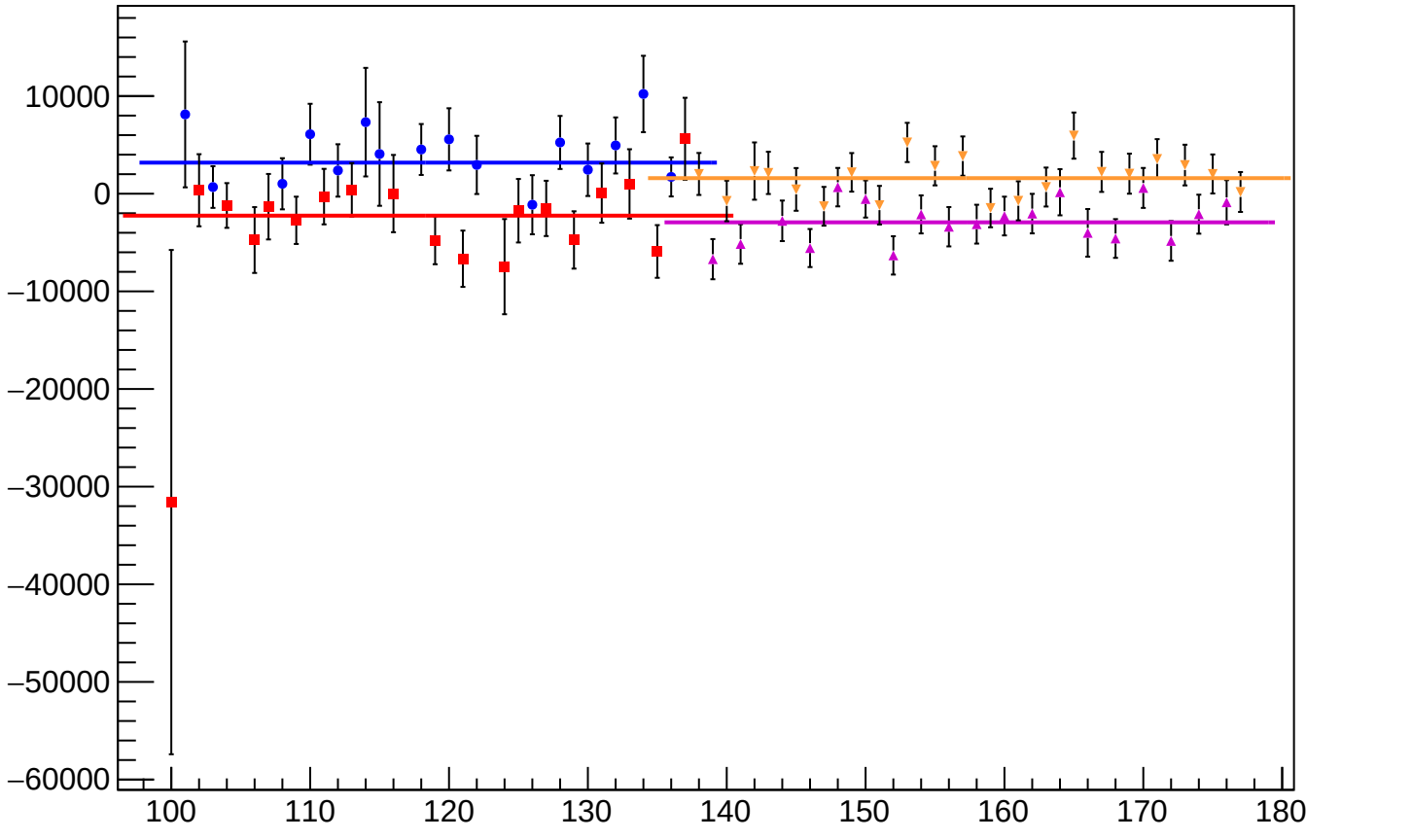
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4593.554+/-0.842 χ^2/NDF:1094459.7/18

+ sign 4446.460+/-0.661 χ^2/NDF: 2070205.7/36

All: 4341.727+/-0.464 χ^2/NDF: 4986926.6/74

- sign 4240.284+/-0.651 χ^2/NDF: 2867357.8/37



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1593.497+/-453.068 χ^2/NDF:20.2/20

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

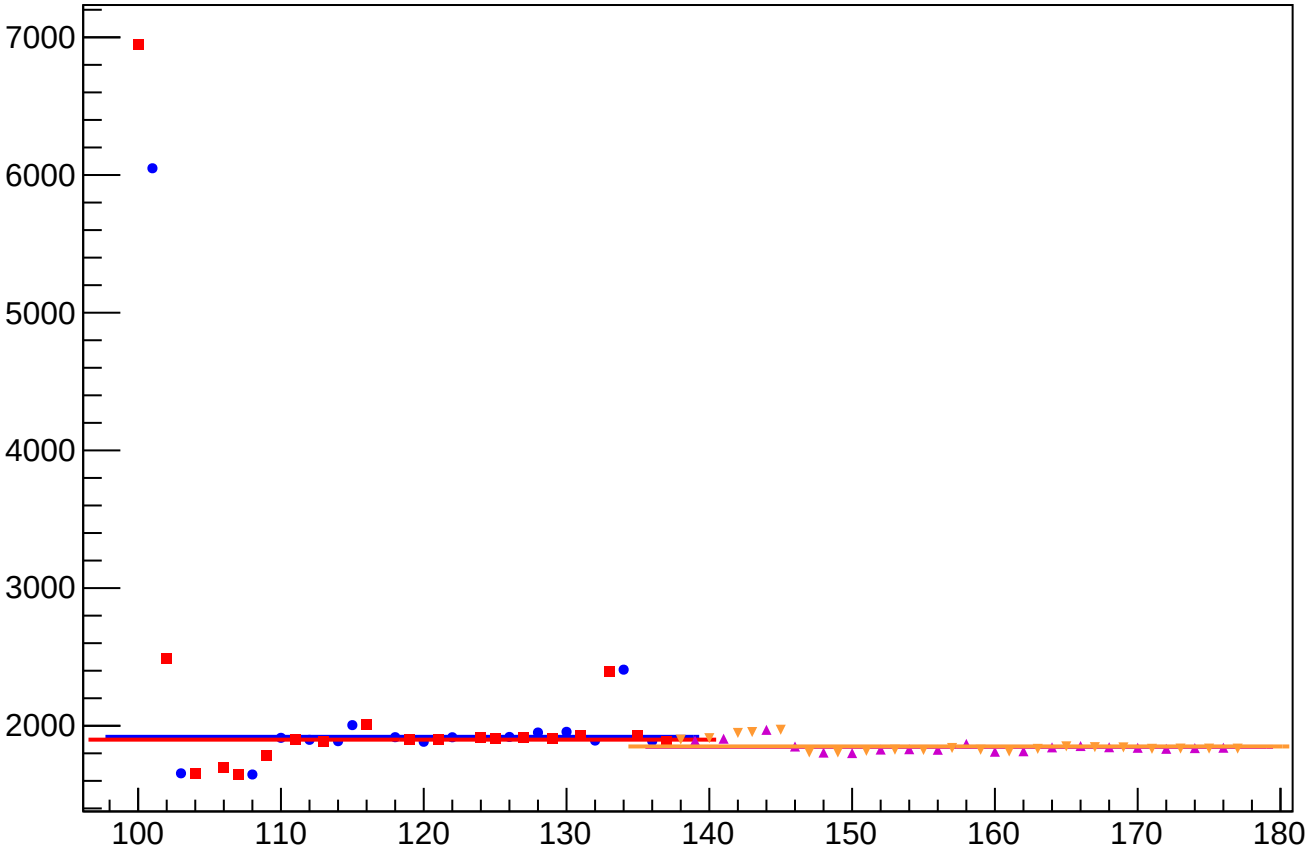
Left In: -2931.740+/-468.445 χ^2/NDF:22.3/18

+ sign 2034.509+/-385.119 χ^2/NDF: 35.3/36

All: -307.956+/-274.431 χ^2/NDF: 149.9/74

- sign -2724.498+/-391.161 χ^2/NDF: 39.4/37

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.919+/-0.320 χ^2/NDF:20603.7/20

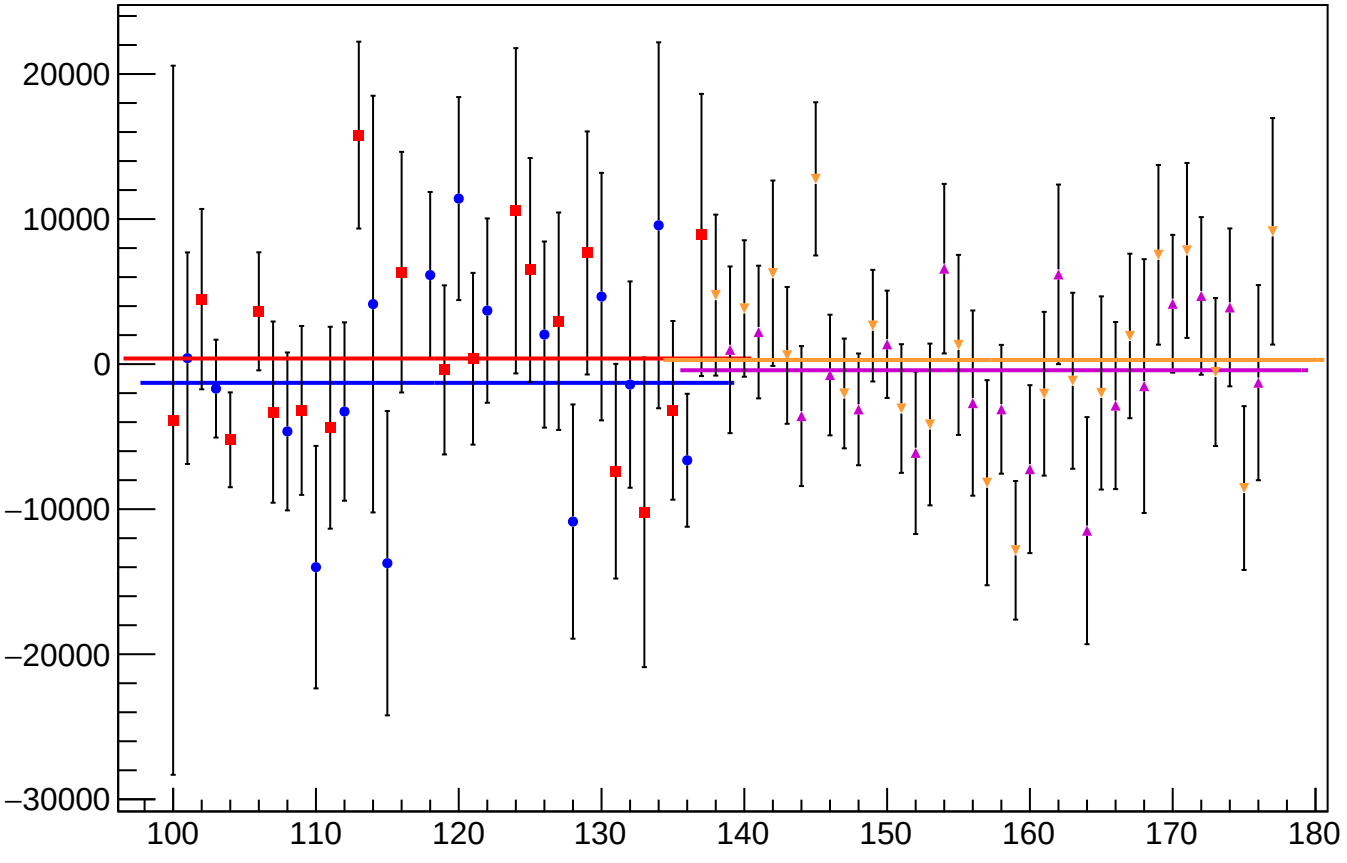
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

+ sign 1869.316+/-0.272 χ^2/NDF: 731146.0/36

All: 1865.927+/-0.194 χ^2/NDF: 968794.0/74

- sign 1862.434+/-0.276 χ^2/NDF: 237333.6/37



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 290.490+/-1158.435 χ^2/NDF:25.8/20

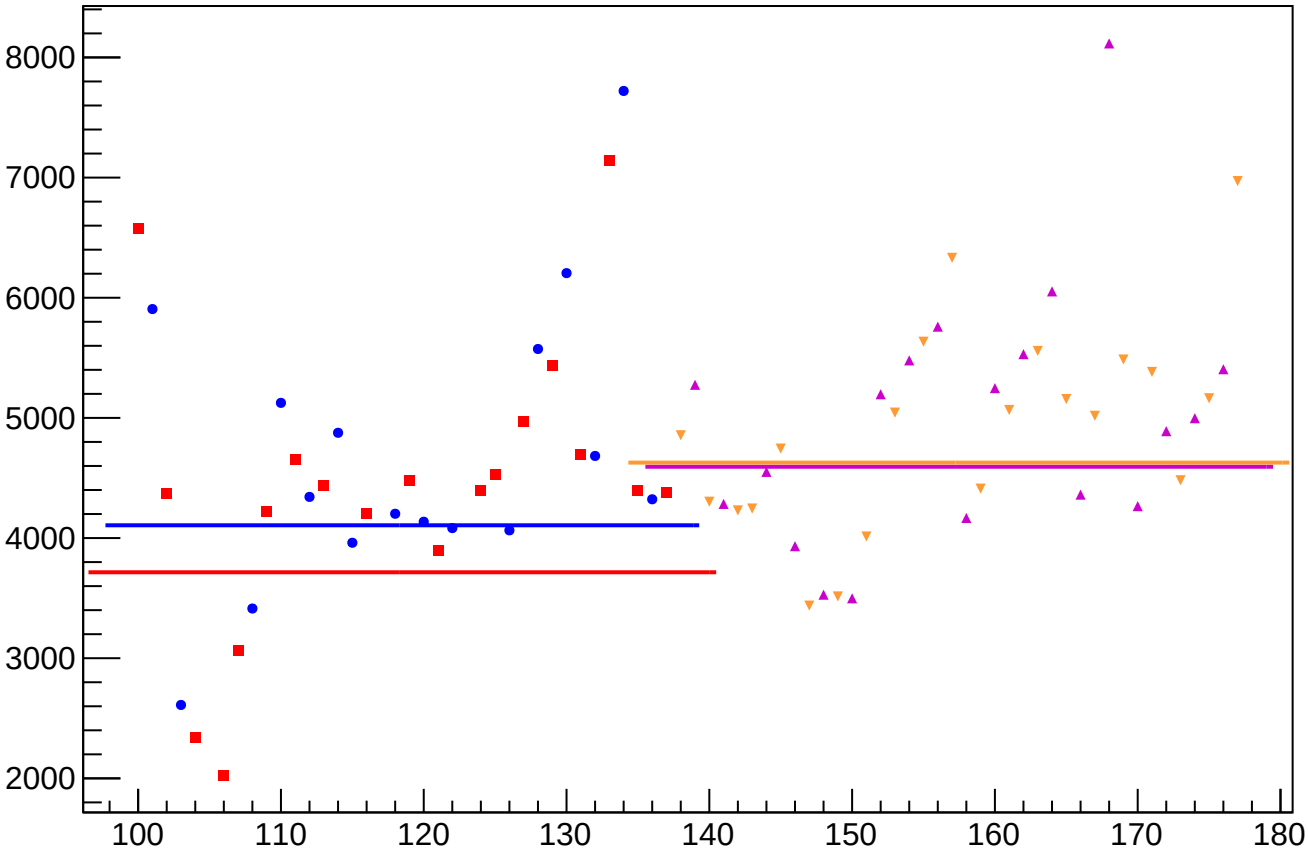
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -422.696+/-1190.602 χ^2/NDF:11.7/18

+ sign -259.915+/-935.353 χ^2/NDF: 40.7/36

All: -177.049+/-656.097 χ^2/NDF: 69.6/74

- sign -96.787+/-920.546 χ^2/NDF: 28.9/37



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4628.101+/-0.819 χ^2/NDF:973300.9/20

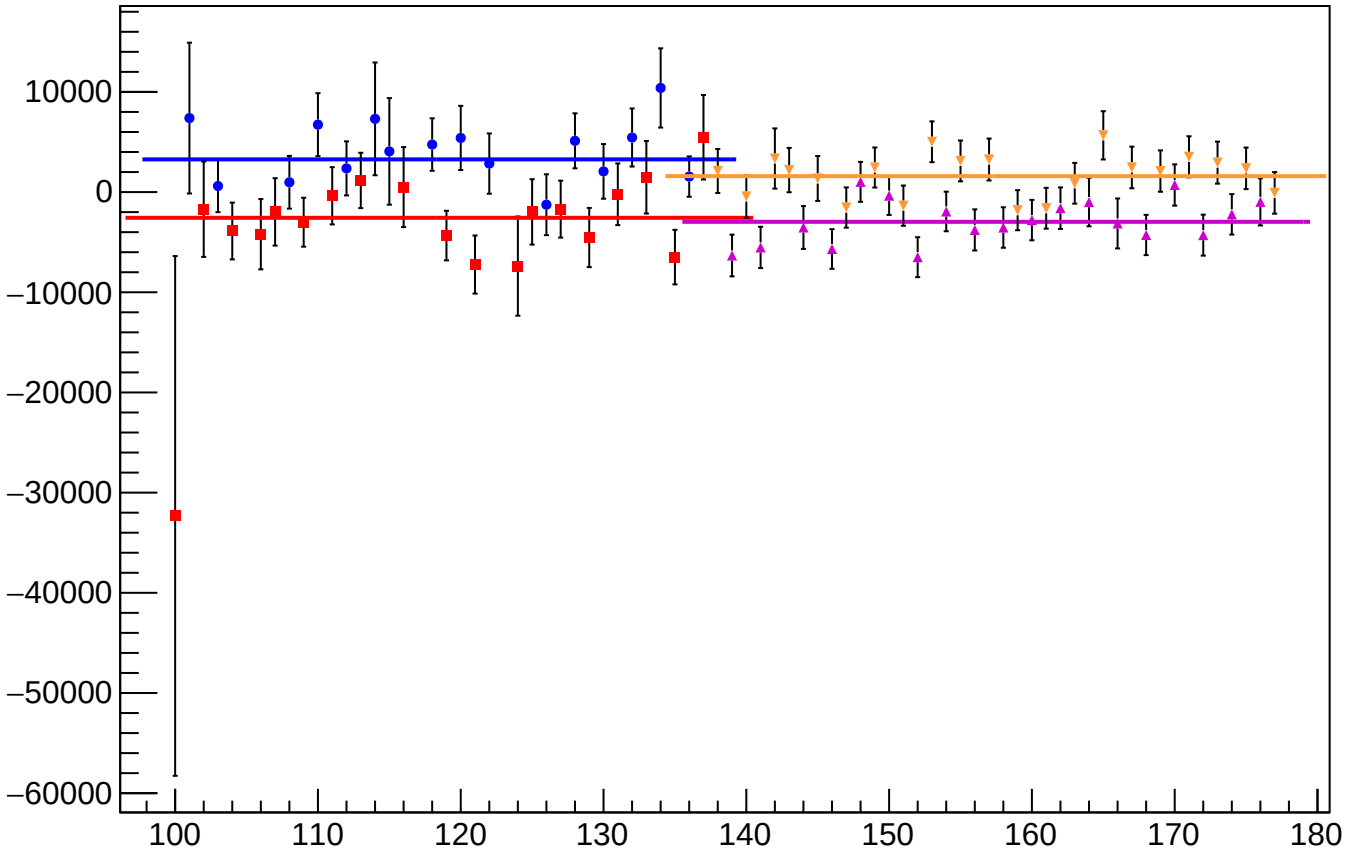
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4593.554+/-0.842 χ^2/NDF:1094459.7/18

+ sign 4446.460+/-0.661 χ^2/NDF: 2070205.7/36

All: 4341.727+/-0.464 χ^2/NDF: 4986926.6/74

- sign 4240.284+/-0.651 χ^2/NDF: 2867357.8/37



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1592.416+/-461.375 χ^2/NDF:20.8/20

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

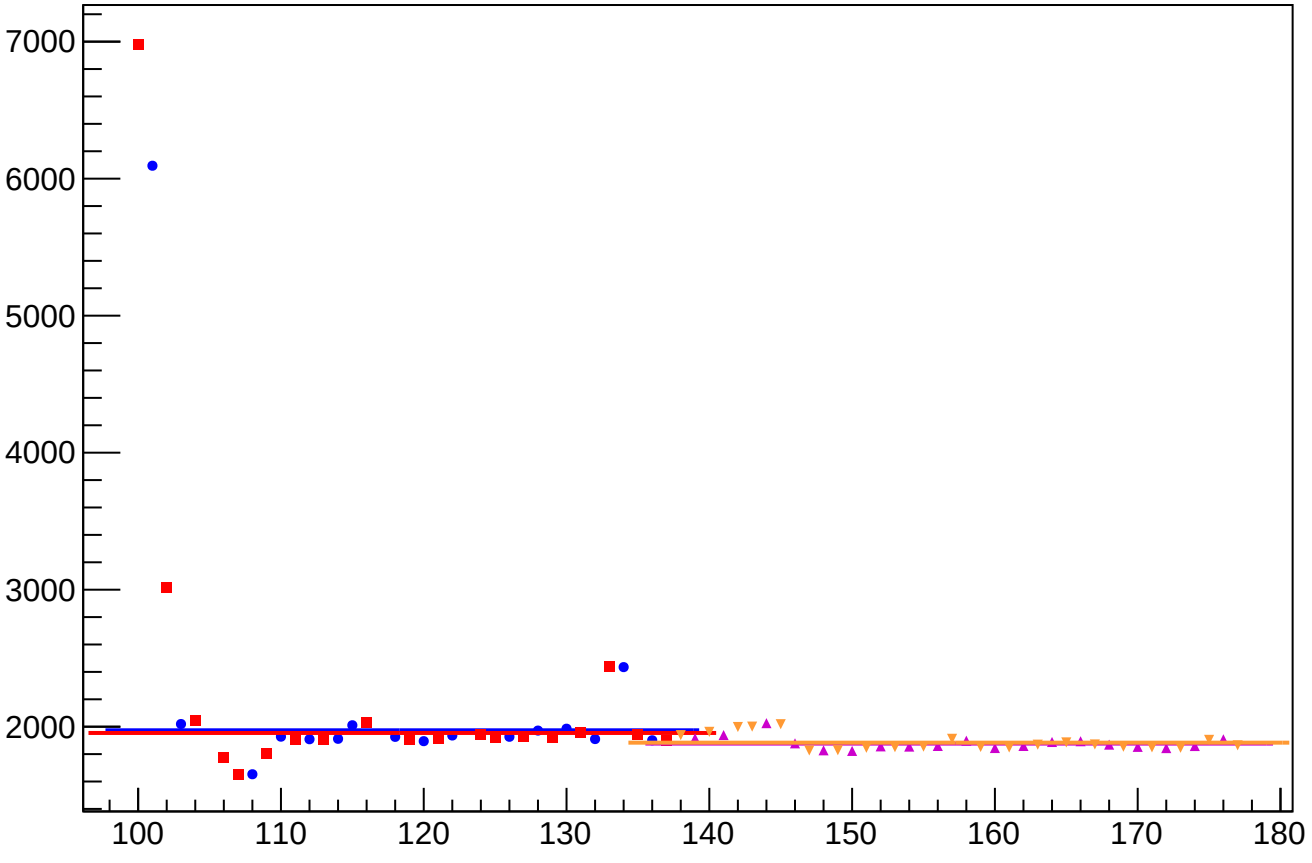
Left In: -2967.772+/-476.195 χ^2/NDF:21.6/18

+ sign 2050.736+/-393.096 χ^2/NDF: 36.6/36

All: -358.838+/-280.242 χ^2/NDF: 151.8/74

- sign -2849.161+/-399.629 χ^2/NDF: 38.8/37

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.521+/-0.326 χ^2/NDF:28102.2/20

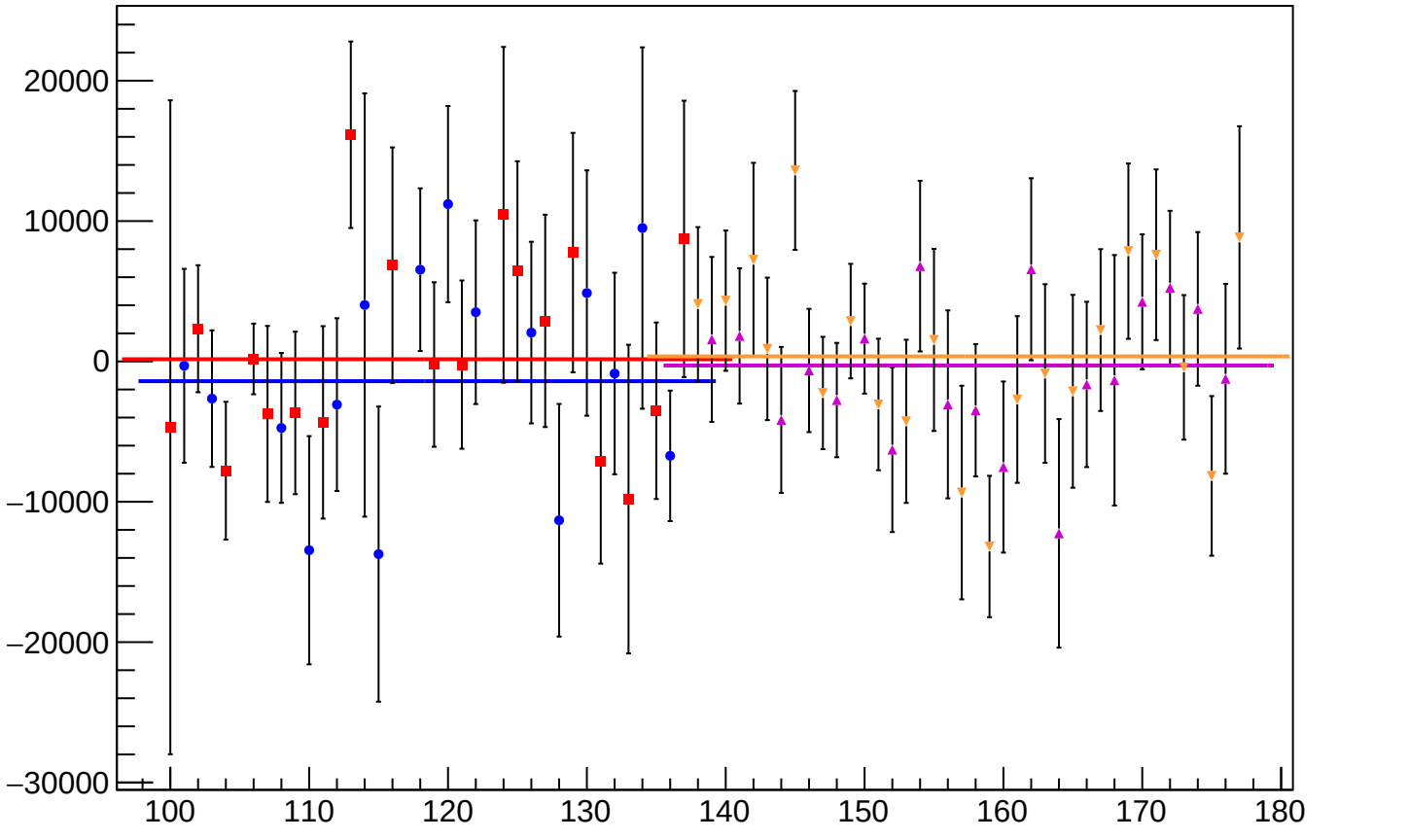
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1876.681+/-0.337 χ^2/NDF:17963.4/18

+ sign 1908.251+/-0.278 χ^2/NDF: 714190.1/36

All: 1904.032+/-0.198 χ^2/NDF: 994582.2/74

- sign 1899.675+/-0.283 χ^2/NDF: 279923.8/37



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 358.439+/-1209.129 χ^2/NDF:25.3/20

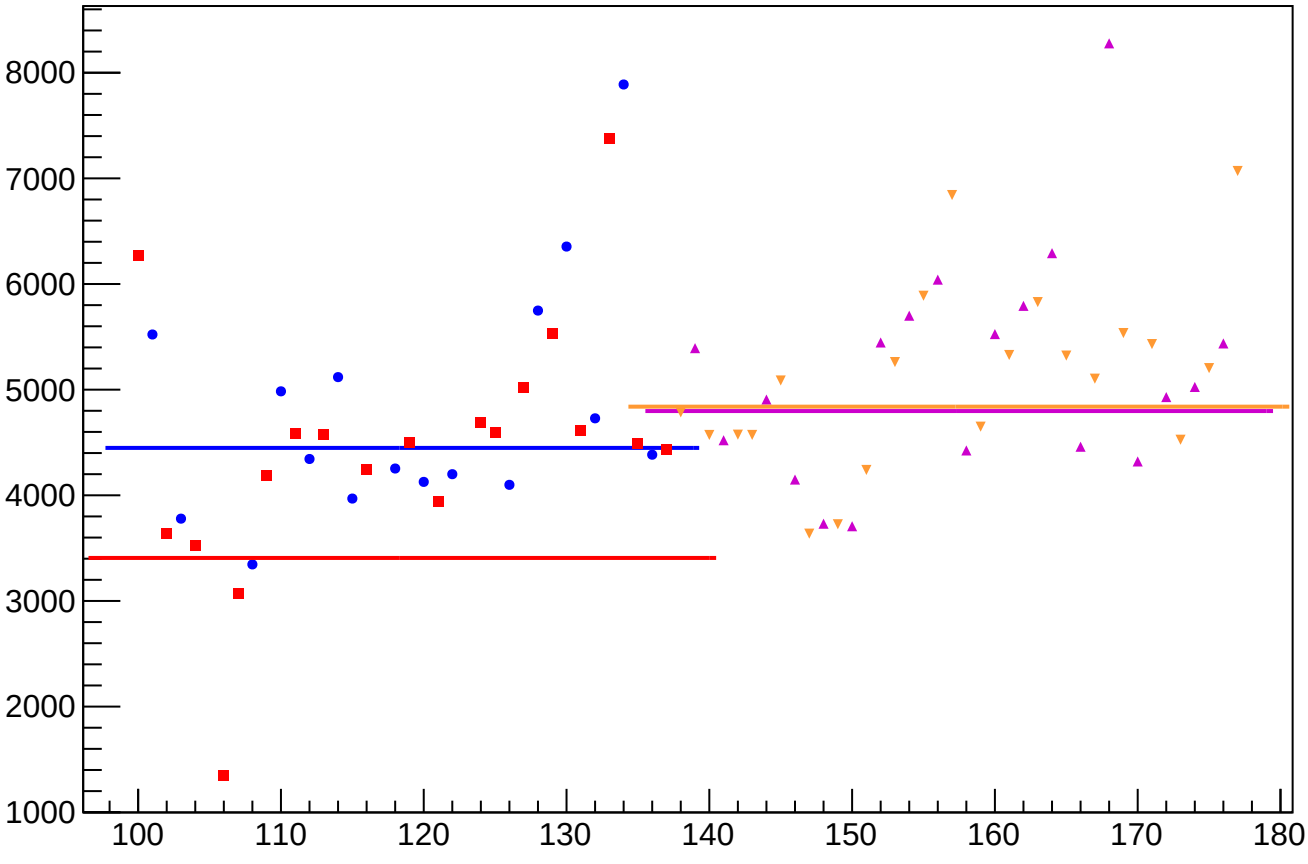
Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: -287.509+/-1241.655 χ^2/NDF:11.7/18

+ sign -239.427+/-983.359 χ^2/NDF: 40.2/36

All: -157.883+/-671.075 χ^2/NDF: 67.8/74

- sign -86.806+/-918.087 χ^2/NDF: 27.6/37



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4839.131+/-0.855 χ^2/NDF:878910.9/20

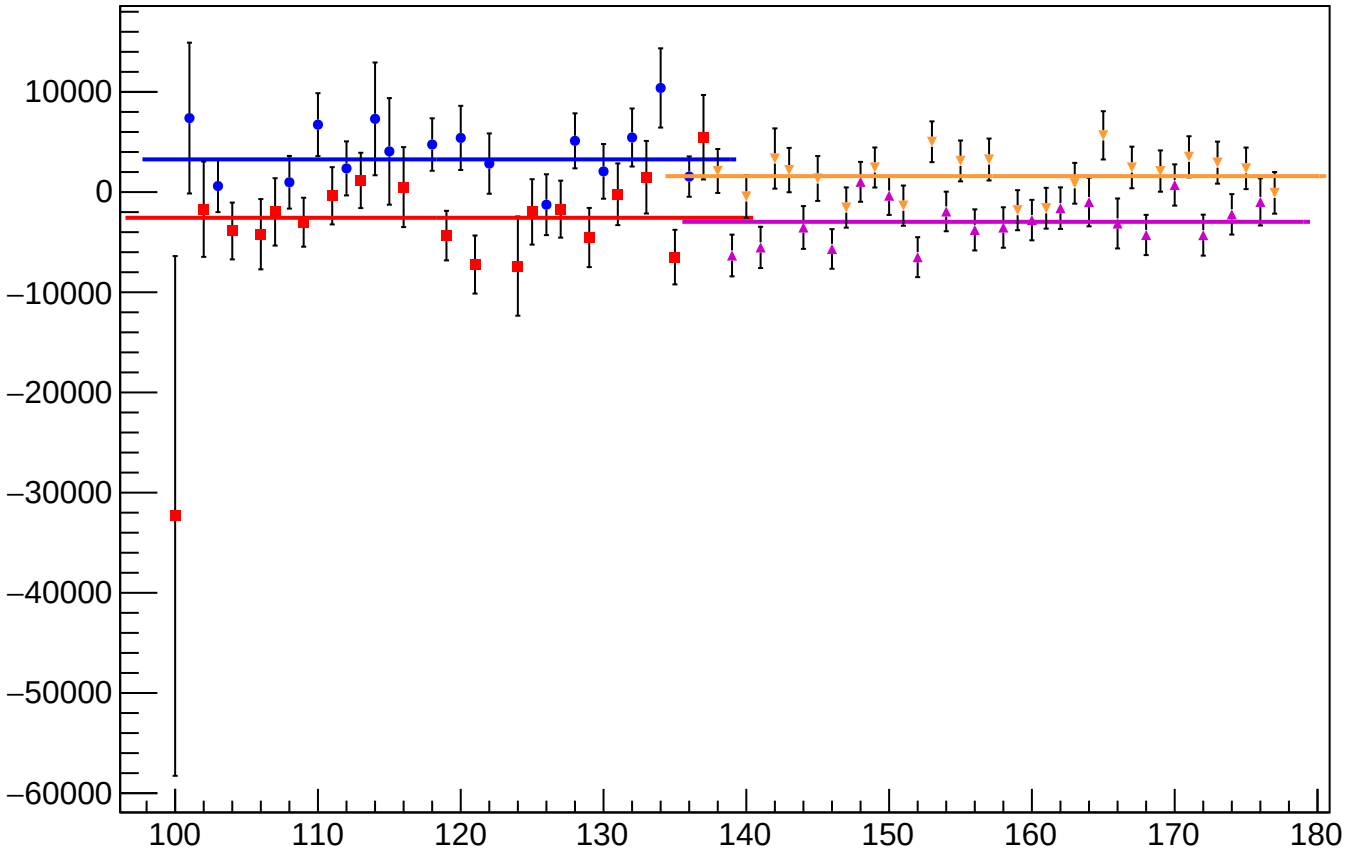
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4797.503+/-0.878 χ^2/NDF:1009846.8/18

+ sign 4706.944+/-0.695 χ^2/NDF: 1444124.6/36

All: 4418.605+/-0.475 χ^2/NDF: 6238602.0/74

- sign 4167.274+/-0.649 χ^2/NDF: 4472640.4/37



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1592.411+/-461.375 χ^2/NDF:20.8/20

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

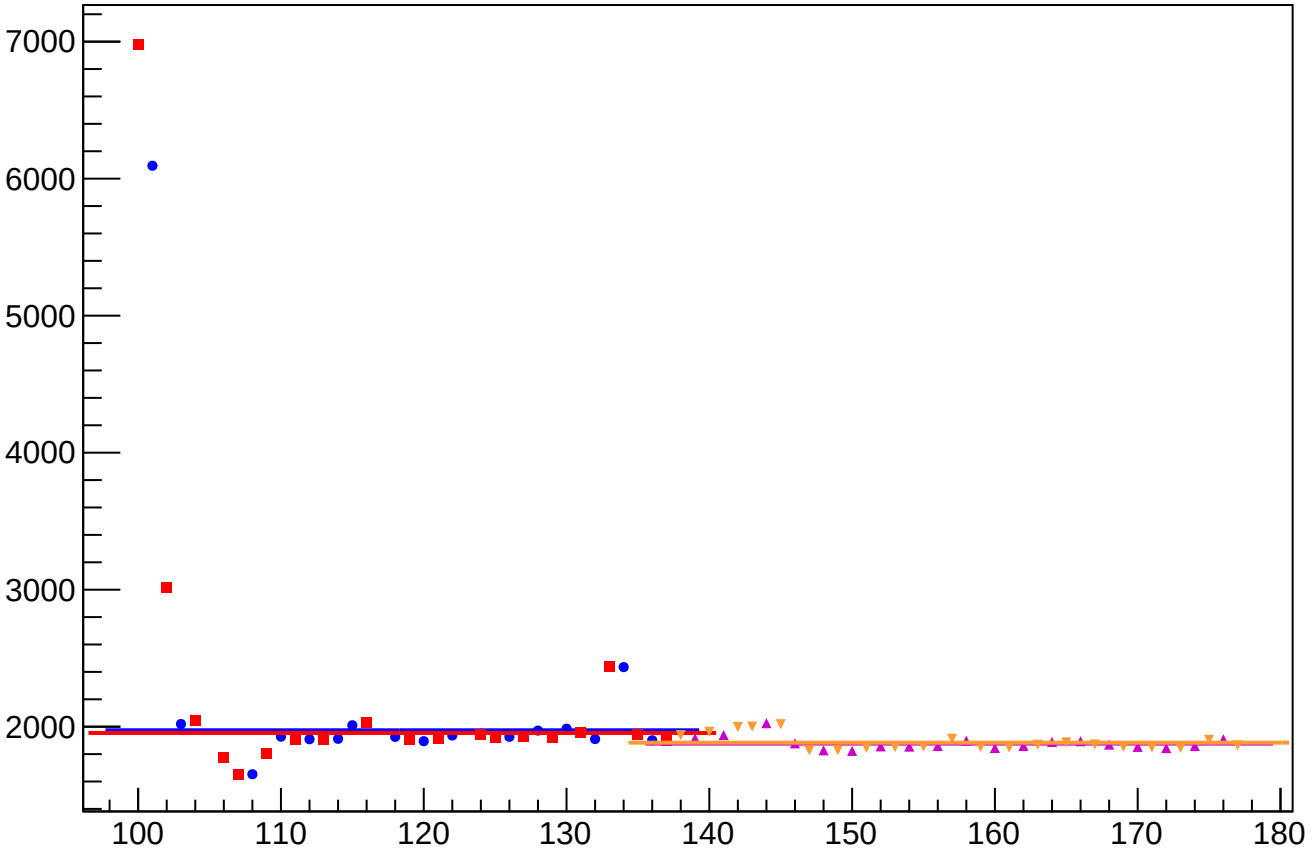
Left In: -2967.774+/-476.195 χ^2/NDF:21.6/18

+ sign 2050.734+/-393.096 χ^2/NDF: 36.6/36

All: -358.841+/-280.242 χ^2/NDF: 151.8/74

- sign -2849.164+/-399.629 χ^2/NDF: 38.8/37

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.522+/-0.326 χ^2/NDF:28102.3/20

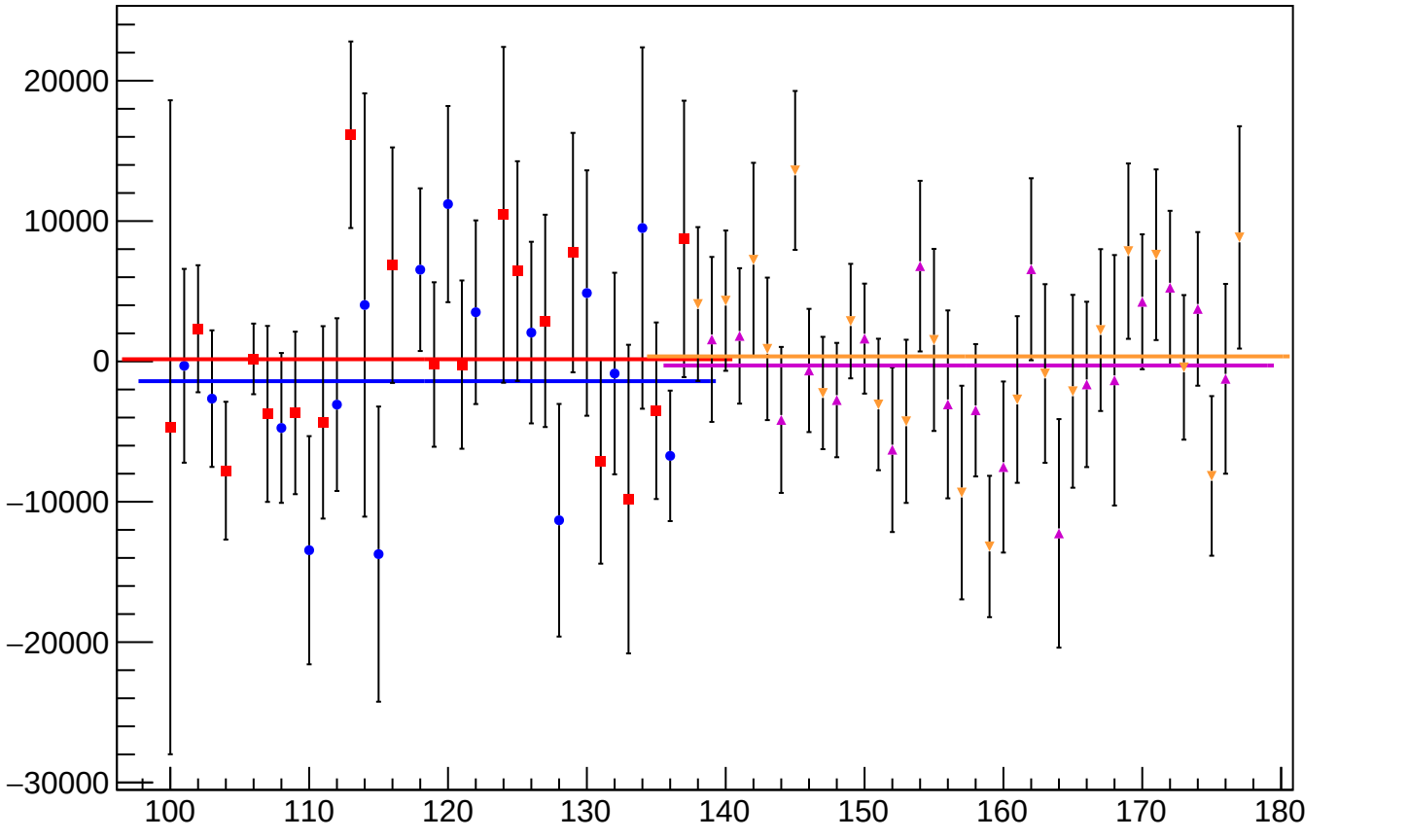
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1876.682+/-0.337 χ^2/NDF:17963.4/18

+ sign 1908.251+/-0.278 χ^2/NDF: 714189.7/36

All: 1904.033+/-0.198 χ^2/NDF: 994580.8/74

- sign 1899.675+/-0.283 χ^2/NDF: 279922.9/37



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 358.436+/-1209.130 χ^2/NDF:25.3/20

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

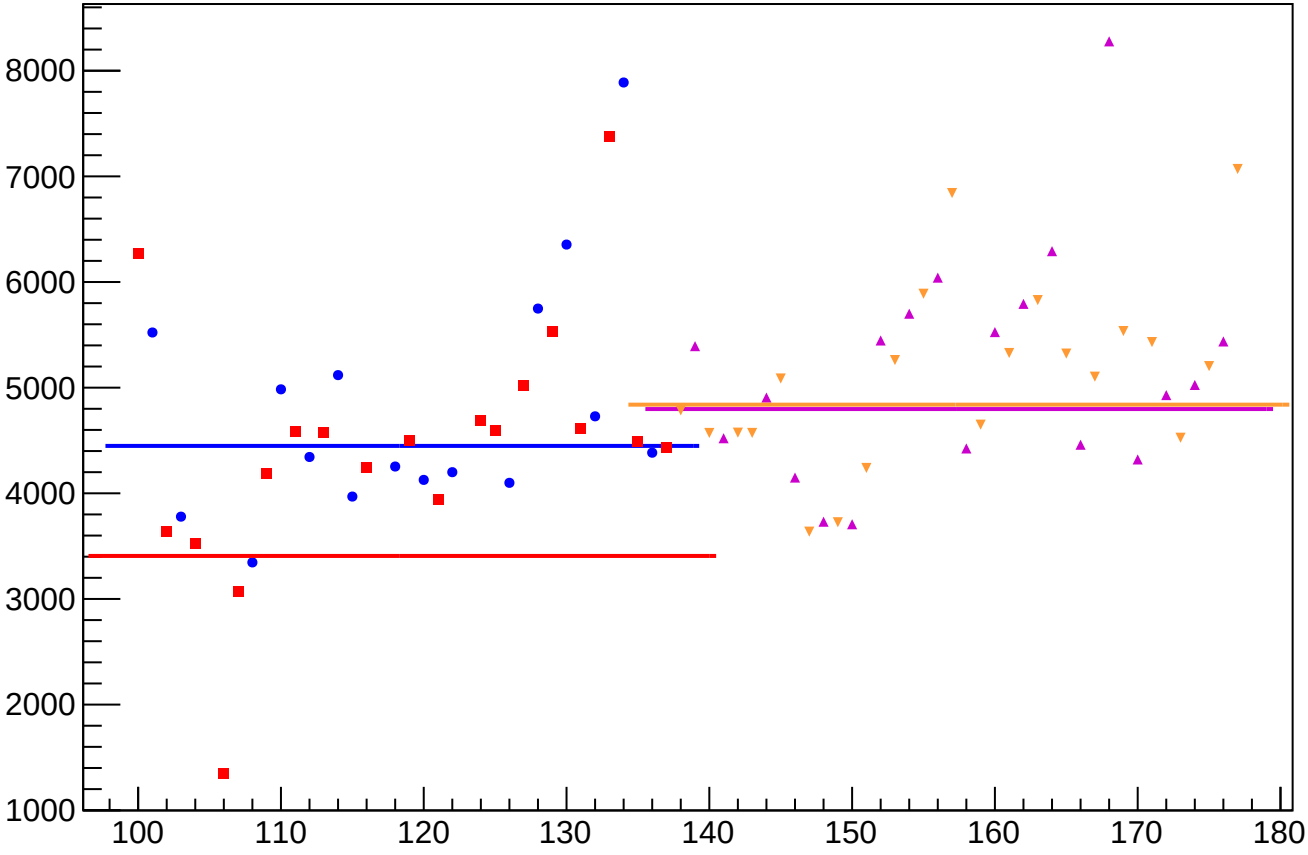
Left In: -287.507+/-1241.657 χ^2/NDF:11.7/18

+ sign -239.424+/-983.360 χ^2/NDF: 40.2/36

All: -157.881+/-671.075 χ^2/NDF: 67.8/74

- sign -86.803+/-918.086 χ^2/NDF: 27.6/37

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4839.138+/-0.855 χ^2/NDF:878910.7/20

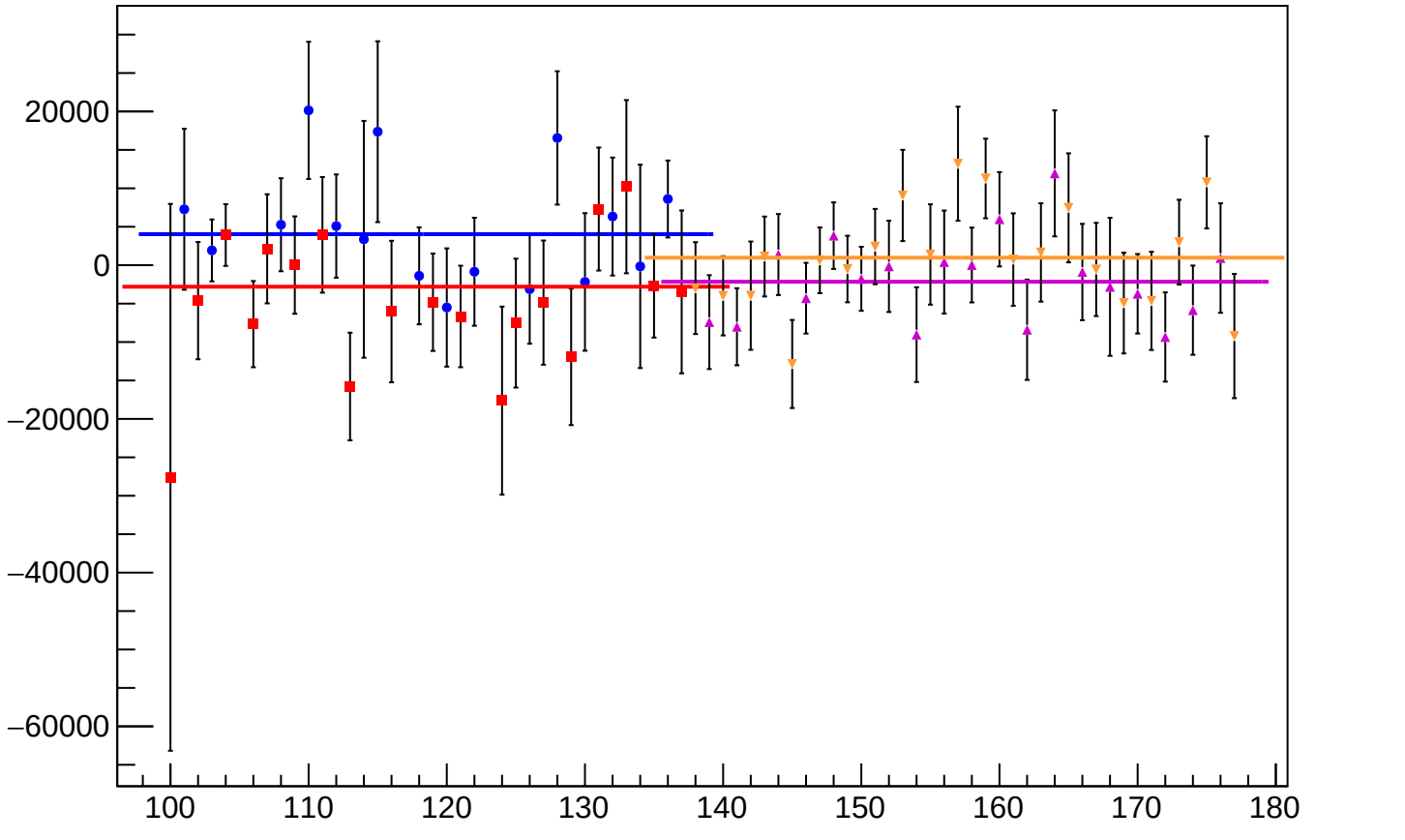
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4797.510+/-0.878 χ^2/NDF:1009847.1/18

+ sign 4706.946+/-0.695 χ^2/NDF: 1444126.9/36

All: 4418.605+/-0.475 χ^2/NDF: 6238639.7/74

- sign 4167.272+/-0.649 χ^2/NDF: 4472670.6/37



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 976.582+/-1256.612 χ^2/NDF:23.3/20

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

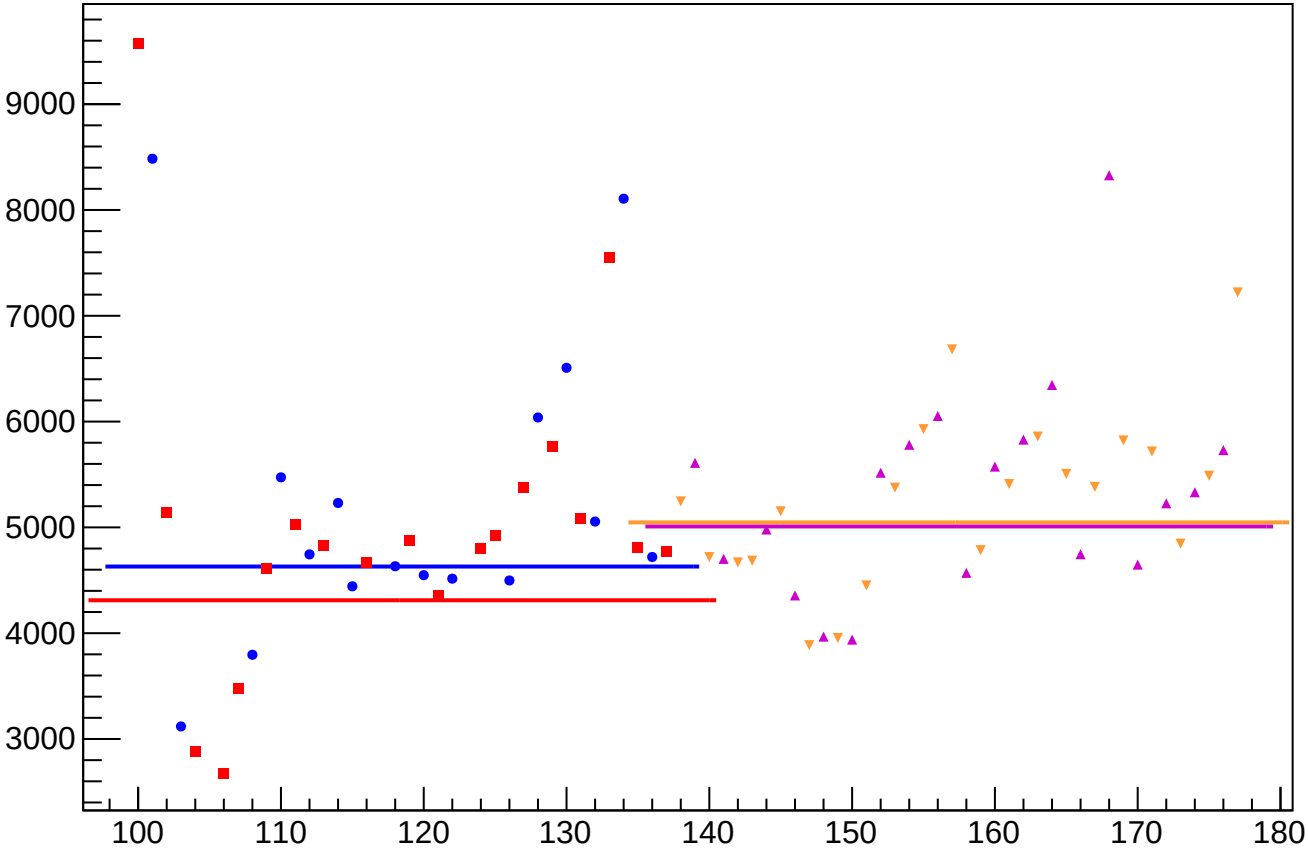
Left In: -2154.165+/-1291.729 χ^2/NDF:14.3/18

+ sign 1992.164+/-1026.962 χ^2/NDF: 37.6/36

All: -212.056+/-724.475 χ^2/NDF: 76.6/74

- sign -2395.785+/-1022.178 χ^2/NDF: 29.8/37

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5047.147+/-0.889 χ^2/NDF:737600.7/20

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

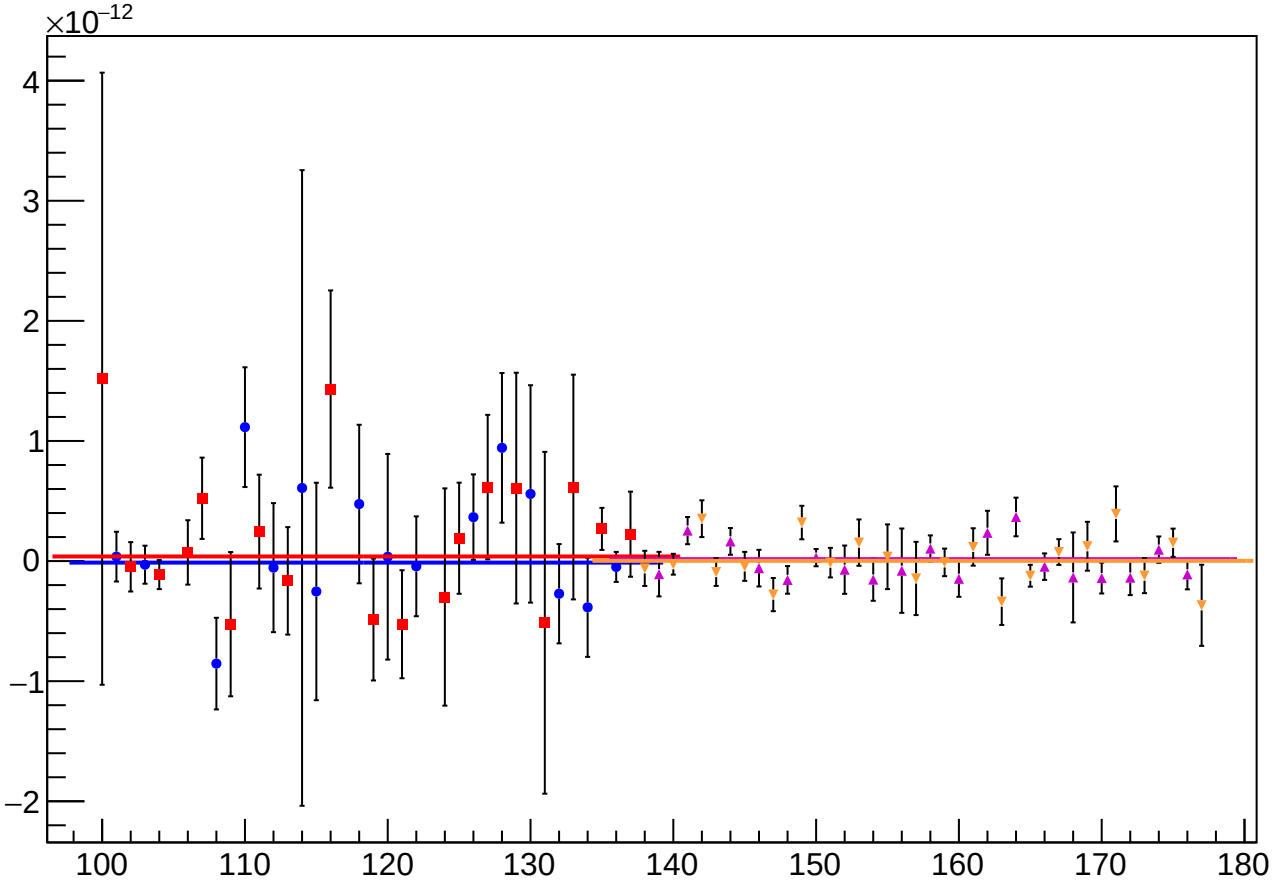
Left In: 5008.726+/-0.913 χ^2/NDF:843620.2/18

+ sign 4908.598+/-0.726 χ^2/NDF: 1711054.0/36

All: 4826.226+/-0.511 χ^2/NDF: 3705307.0/74

- sign 4745.151+/-0.720 χ^2/NDF: 1968721.1/37

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:29.4/20

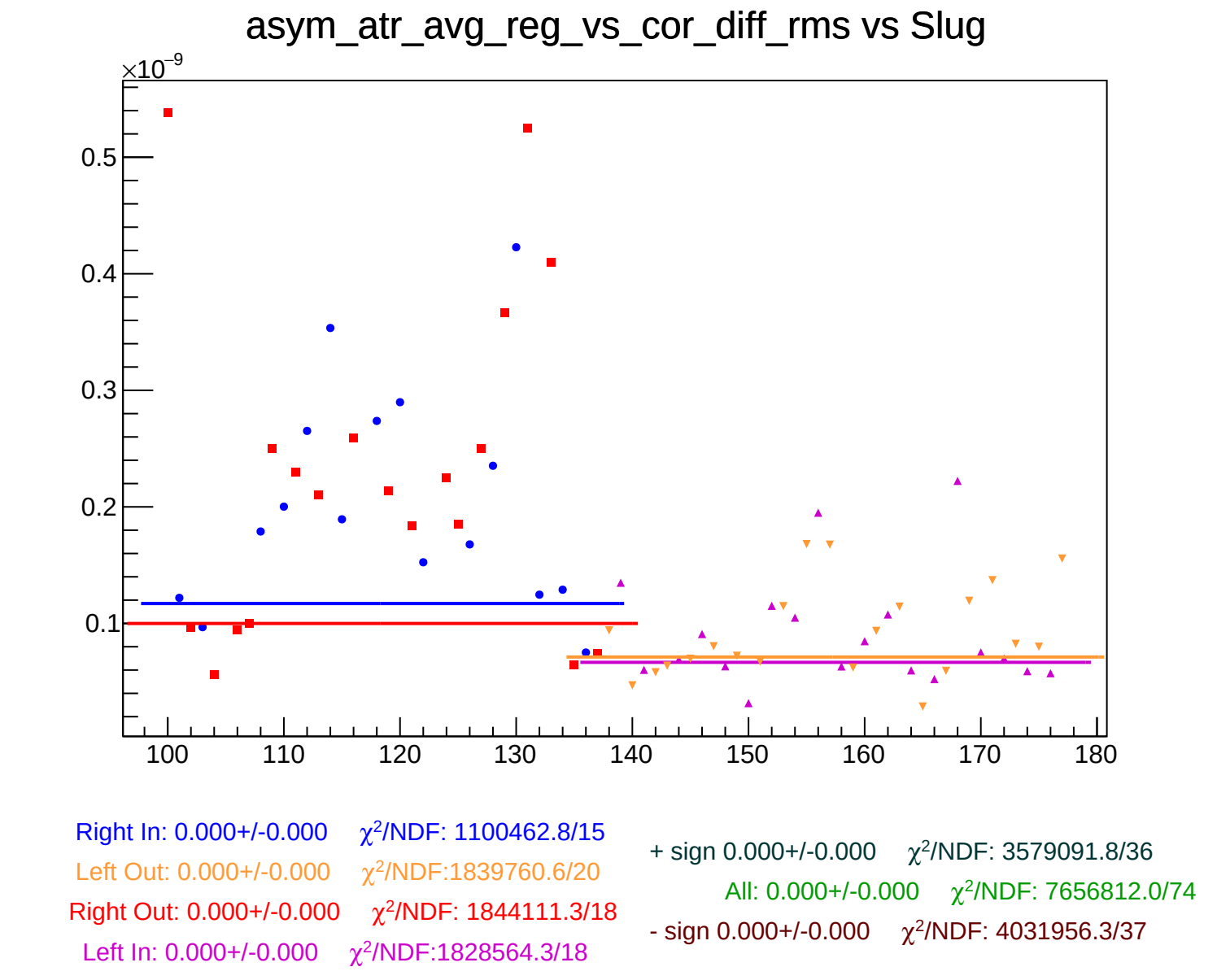
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/18

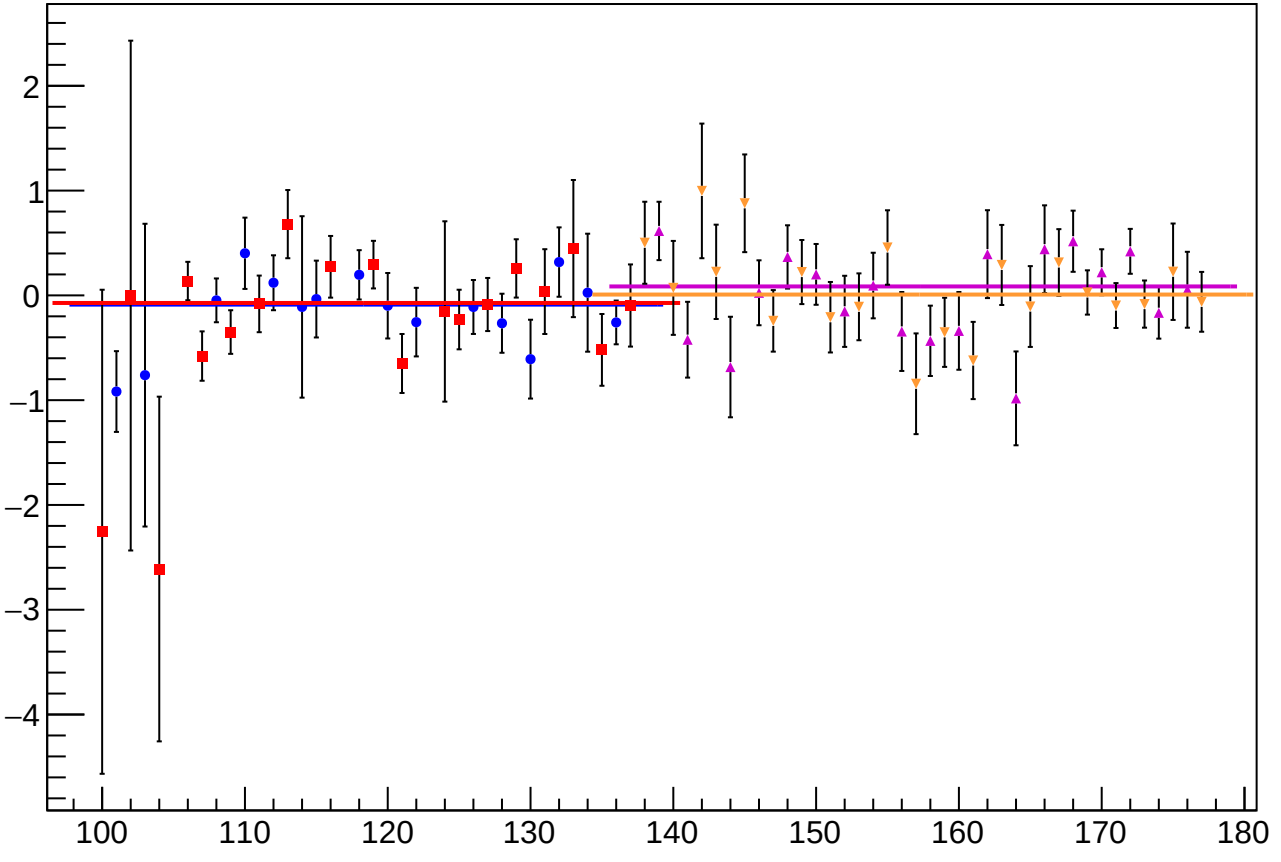
+ sign 0.000+/-0.000 χ^2/NDF: 45.3/36

All: 0.000+/-0.000 χ^2/NDF: 83.6/74

- sign 0.000+/-0.000 χ^2/NDF: 38.1/37


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:1839760.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1828564.3/18
+ sign 0.000+/-0.000 χ²/NDF: 3579091.8/36
All: 0.000+/-0.000 χ²/NDF: 7656812.0/74
- sign 0.000+/-0.000 χ²/NDF: 4031956.3/37

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.008+/-0.071 χ^2/NDF:20.6/20

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

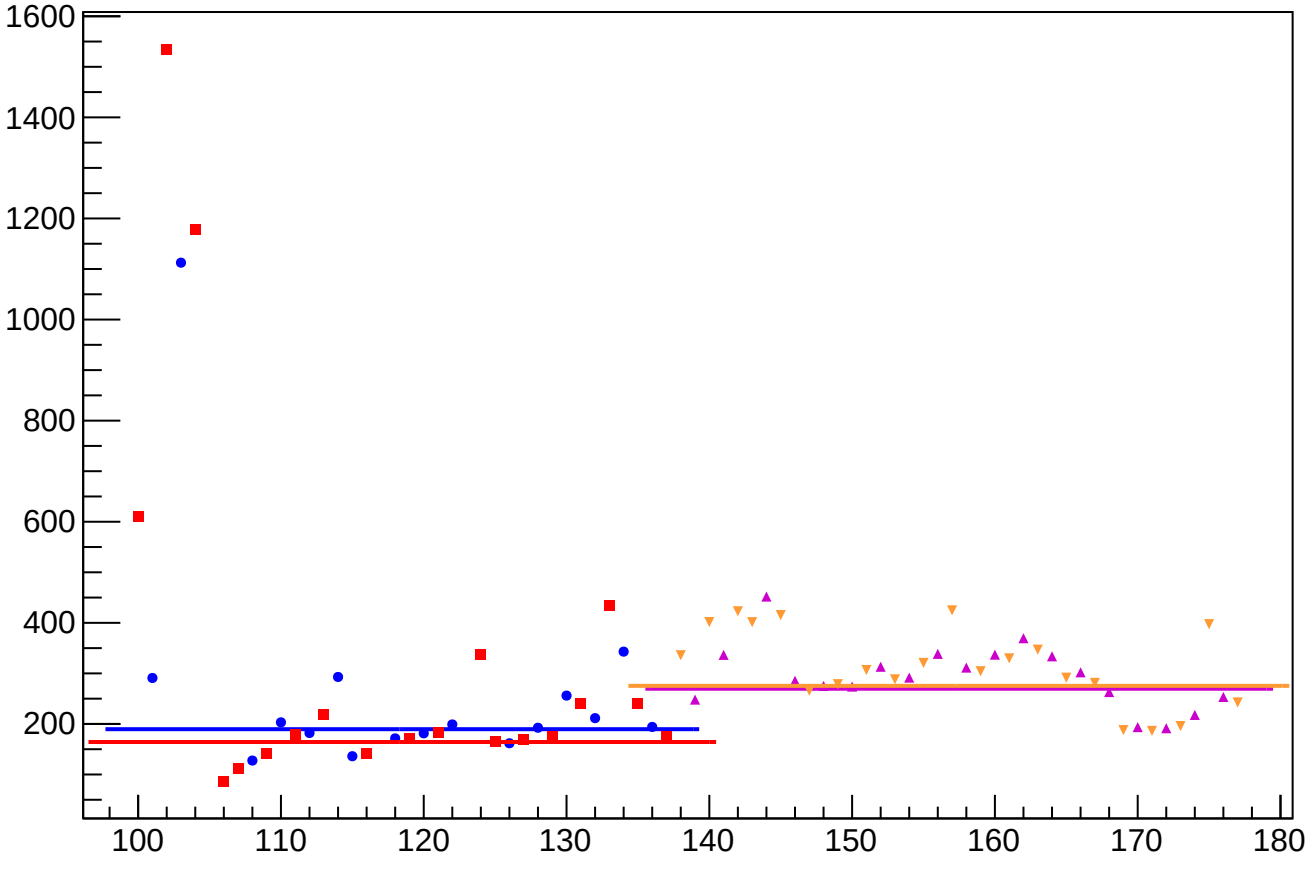
Left In: 0.085+/-0.072 χ^2/NDF:27.7/18

+ sign -0.036+/-0.052 χ^2/NDF: 35.3/36

All: -0.015+/-0.036 χ^2/NDF: 94.5/74

- sign 0.005+/-0.050 χ^2/NDF: 58.9/37

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 275.372+/-0.050 χ^2/NDF:2137604.8/20

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

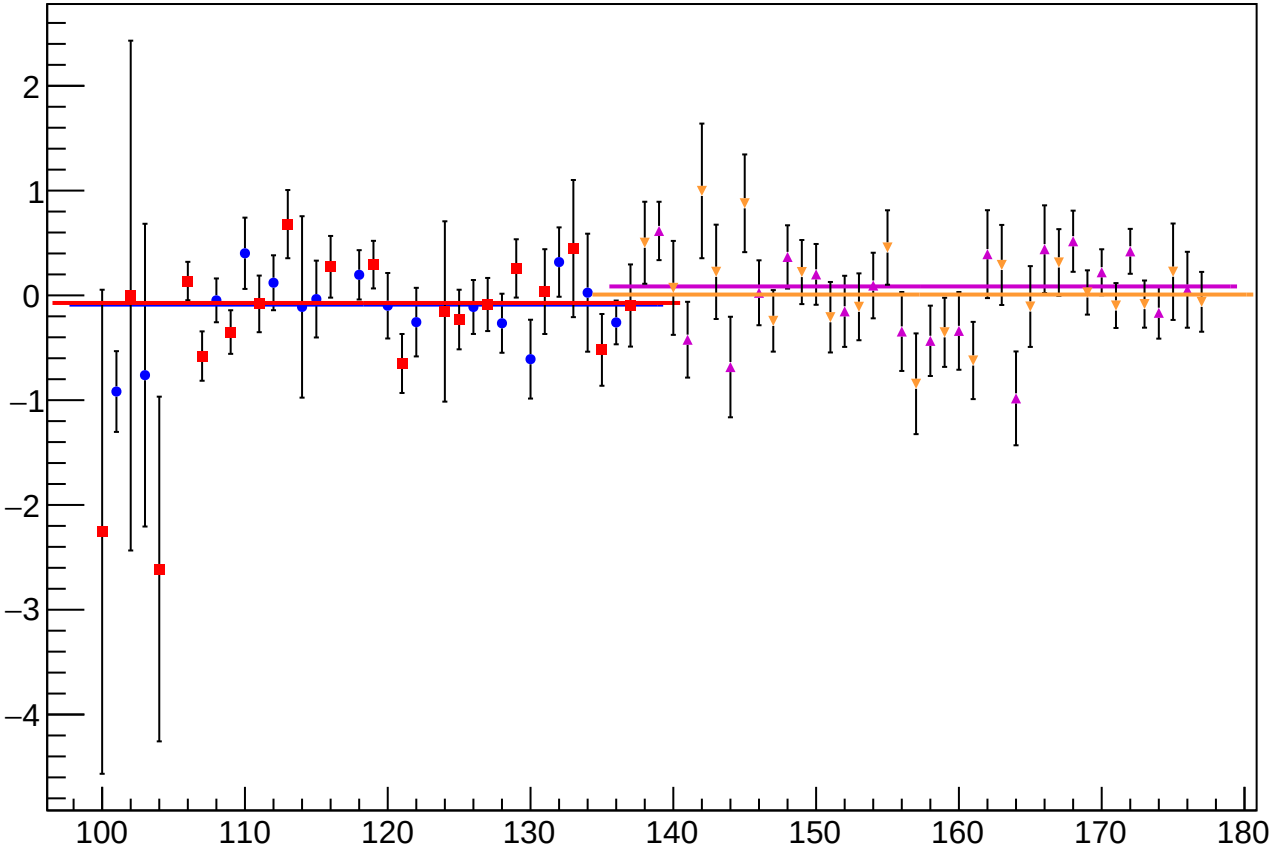
Left In: 269.641+/-0.051 χ^2/NDF:1348511.7/18

+ sign 235.757+/-0.037 χ^2/NDF: 4945334.8/36

All: 225.350+/-0.026 χ^2/NDF: 11303092.8/74

- sign 215.770+/-0.035 χ^2/NDF: 6204972.5/37

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: 0.008+/-0.071 χ^2/NDF:20.6/20

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

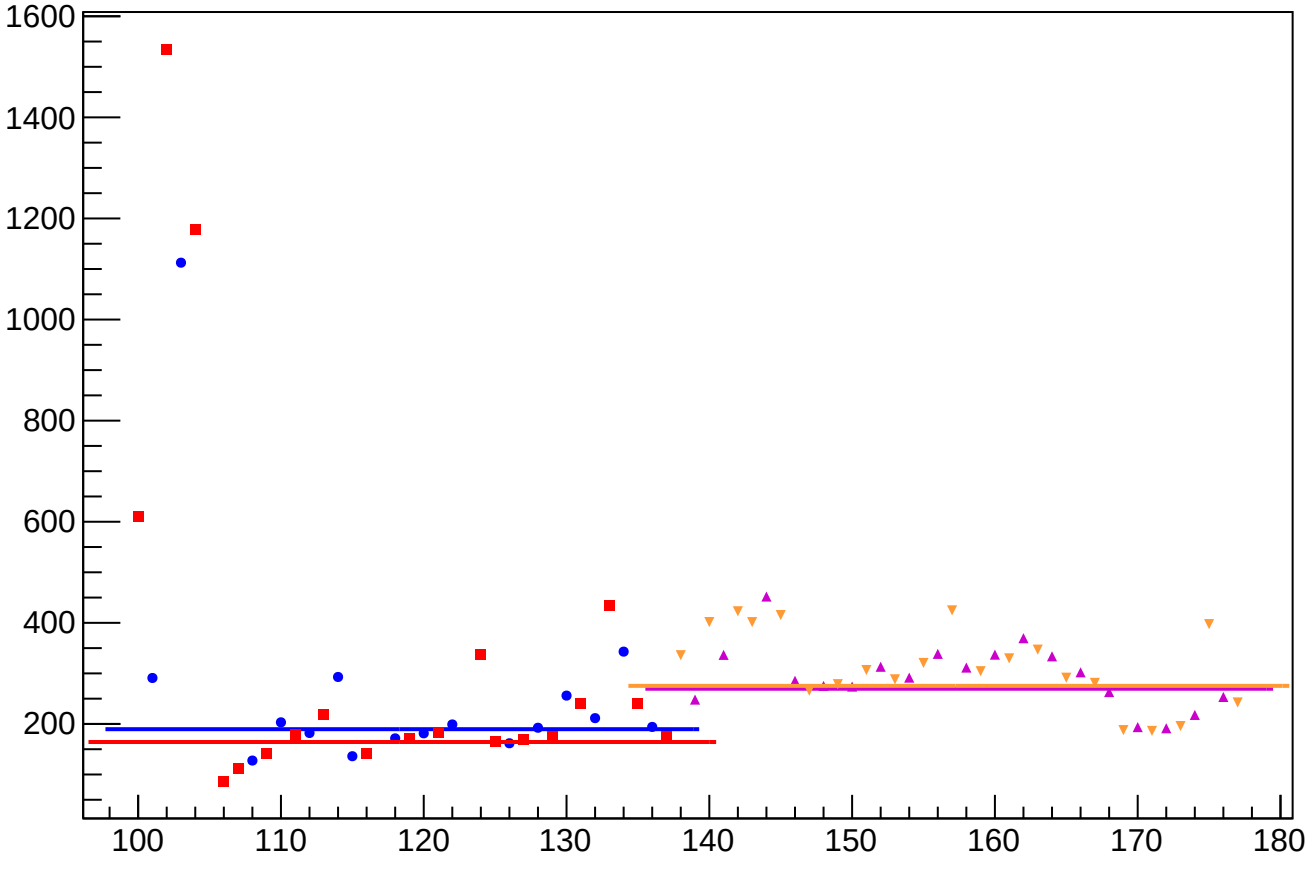
Left In: 0.085+/-0.072 χ^2/NDF:27.7/18

+ sign -0.036+/-0.052 χ^2/NDF: 35.3/36

All: -0.015+/-0.036 χ^2/NDF: 94.5/74

- sign 0.005+/-0.050 χ^2/NDF: 58.9/37

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: 275.372+/-0.050 χ^2/NDF:2137604.8/20

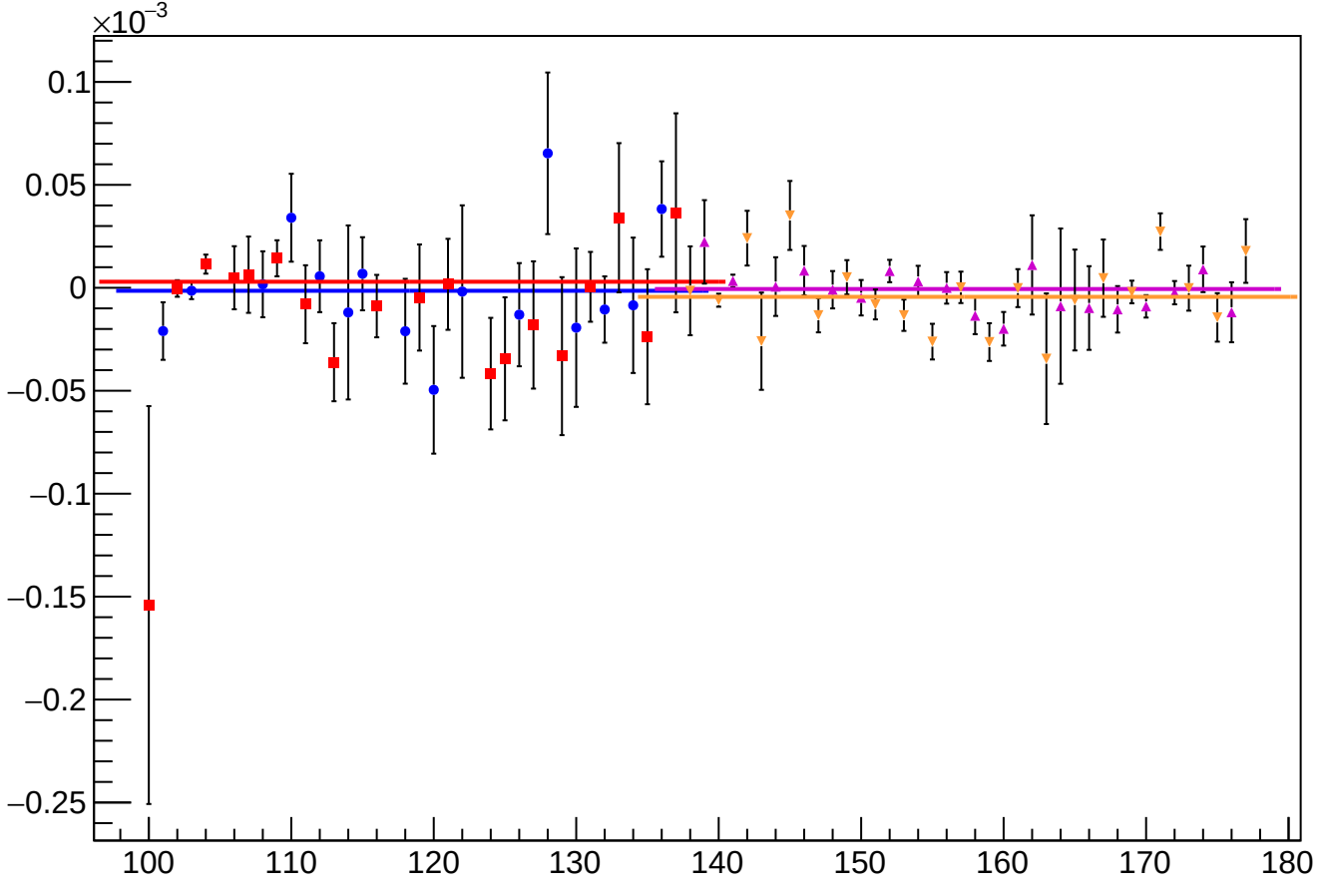
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 269.641+/-0.051 χ^2/NDF:1348511.7/18

+ sign 235.757+/-0.037 χ^2/NDF: 4945334.8/36

All: 225.350+/-0.026 χ^2/NDF: 11303092.8/74

- sign 215.770+/-0.035 χ^2/NDF: 6204972.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.0/20

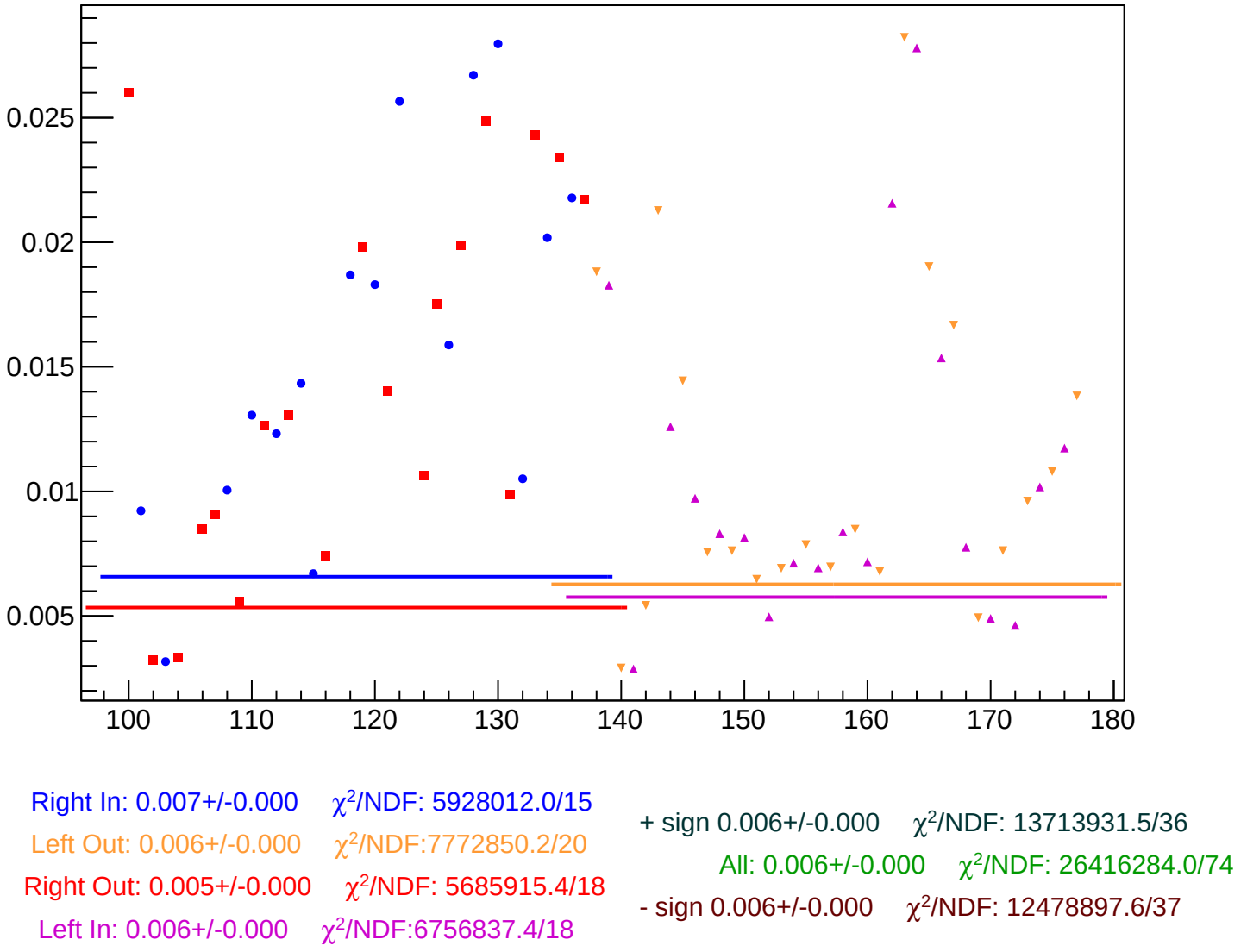
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

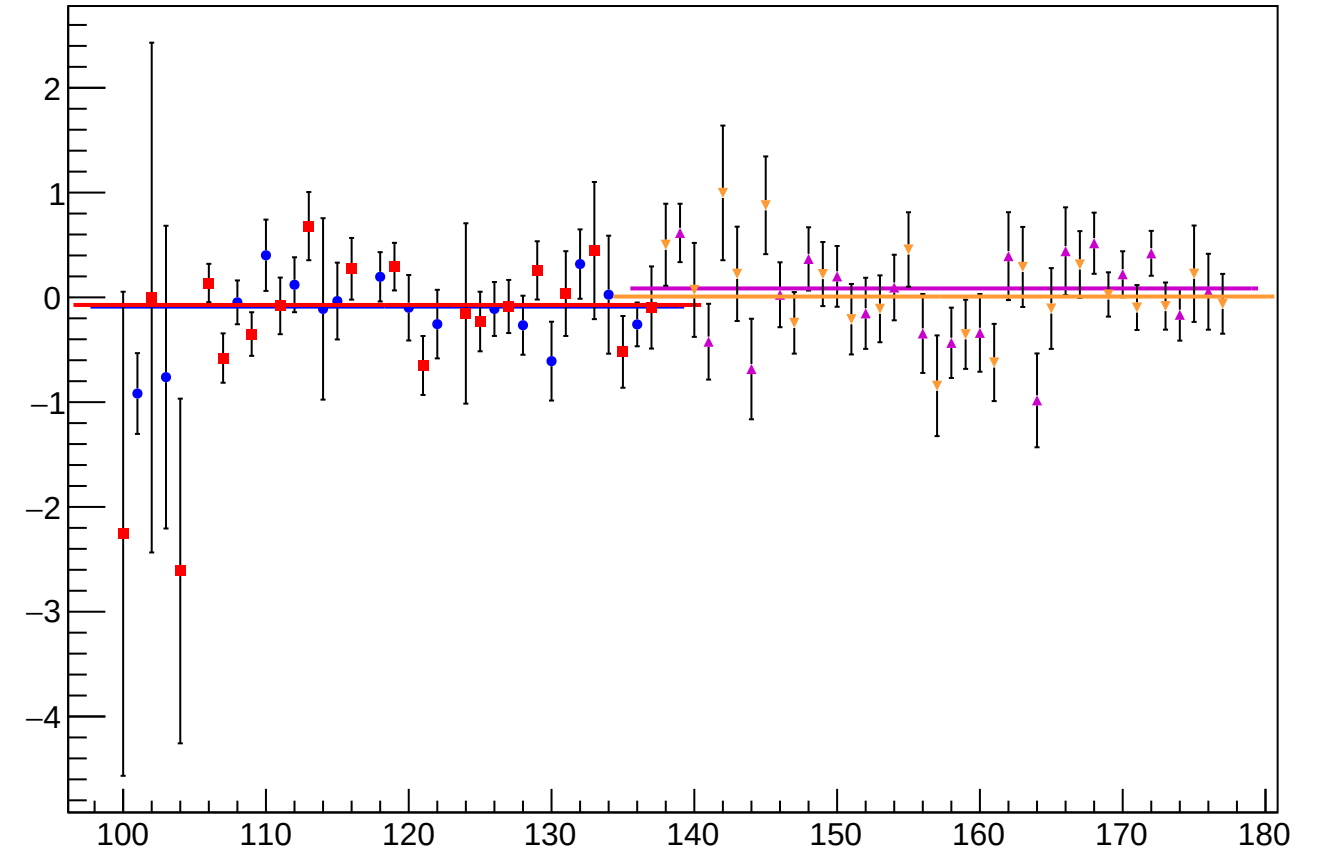
Left In: -0.000+/-0.000 χ^2/NDF:19.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/36

All: -0.000+/-0.000 χ^2/NDF: 106.2/74

- sign 0.000+/-0.000 χ^2/NDF: 41.9/37


asym_atr_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: 0.007+/-0.000 χ²/NDF: 5928012.0/15
Left Out: 0.006+/-0.000 χ²/NDF:7772850.2/20
Right Out: 0.005+/-0.000 χ²/NDF: 5685915.4/18
Left In: 0.006+/-0.000 χ²/NDF:6756837.4/18
+ sign 0.006+/-0.000 χ²/NDF: 13713931.5/36
All: 0.006+/-0.000 χ²/NDF: 26416284.0/74
- sign 0.006+/-0.000 χ²/NDF: 12478897.6/37



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.008+/-0.071 χ^2/NDF:20.6/20

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

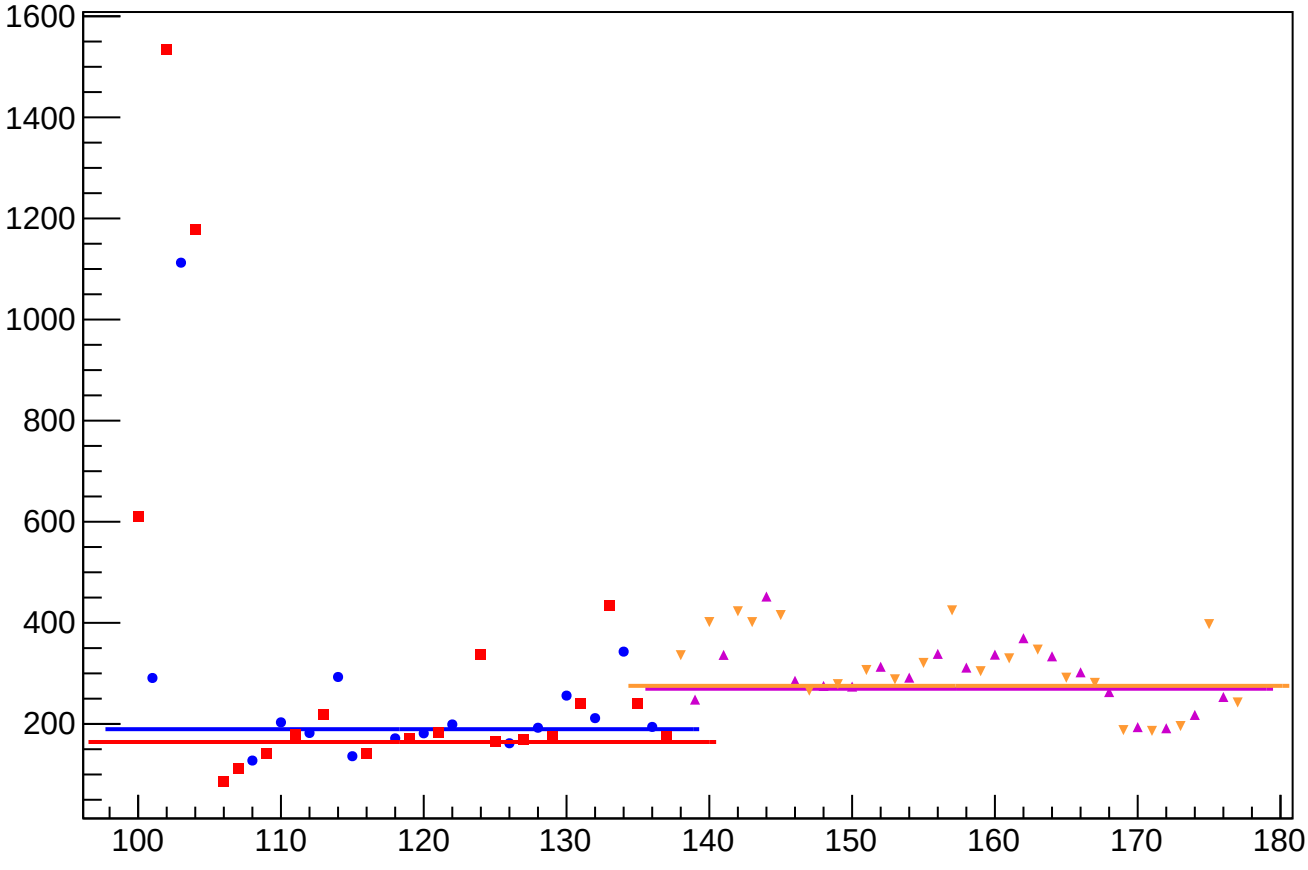
Left In: 0.085+/-0.072 χ^2/NDF:27.7/18

+ sign -0.036+/-0.052 χ^2/NDF: 35.3/36

All: -0.015+/-0.036 χ^2/NDF: 94.5/74

- sign 0.005+/-0.050 χ^2/NDF: 58.9/37

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: 275.374+/-0.050 χ^2/NDF:2137685.2/20

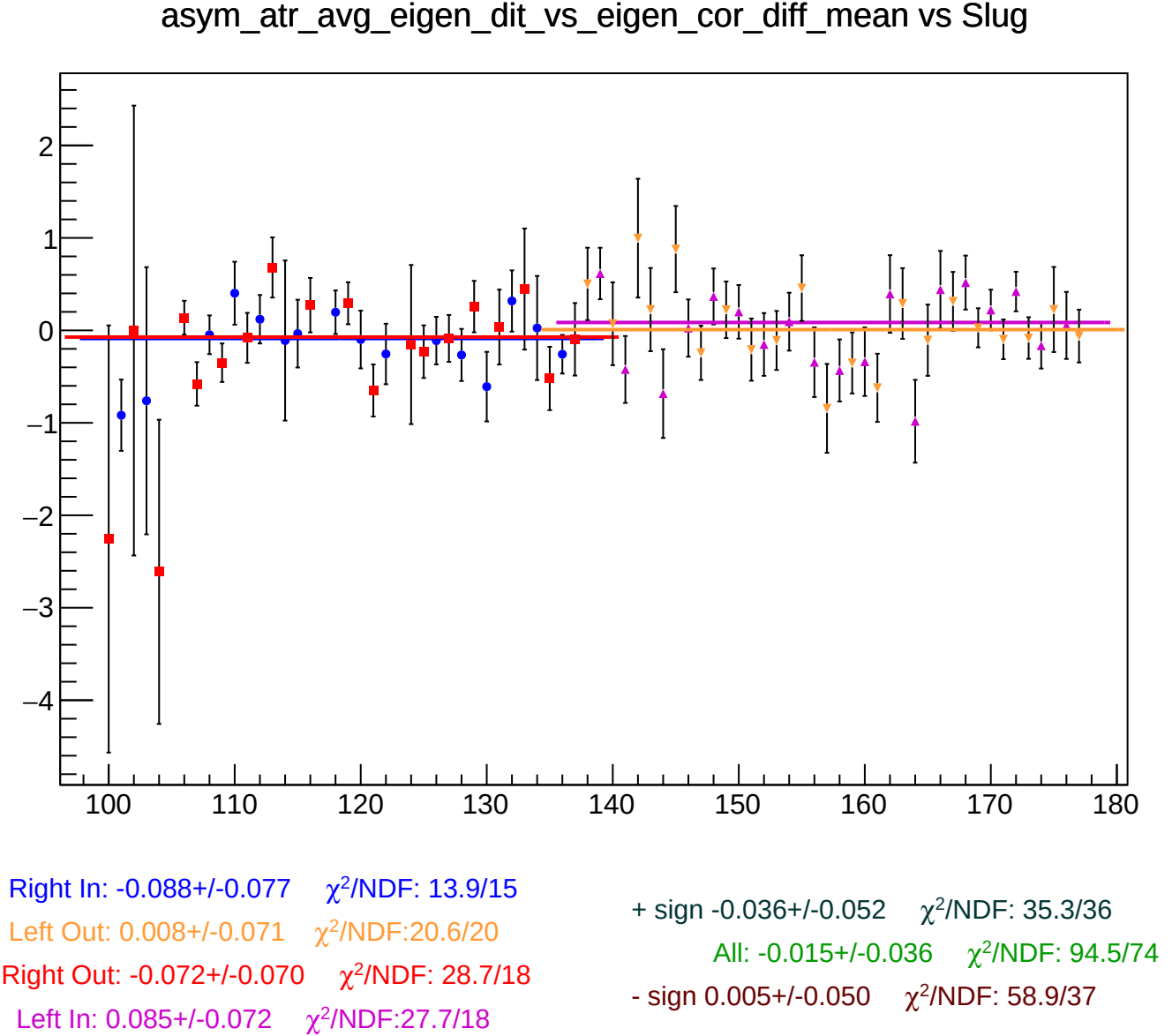
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

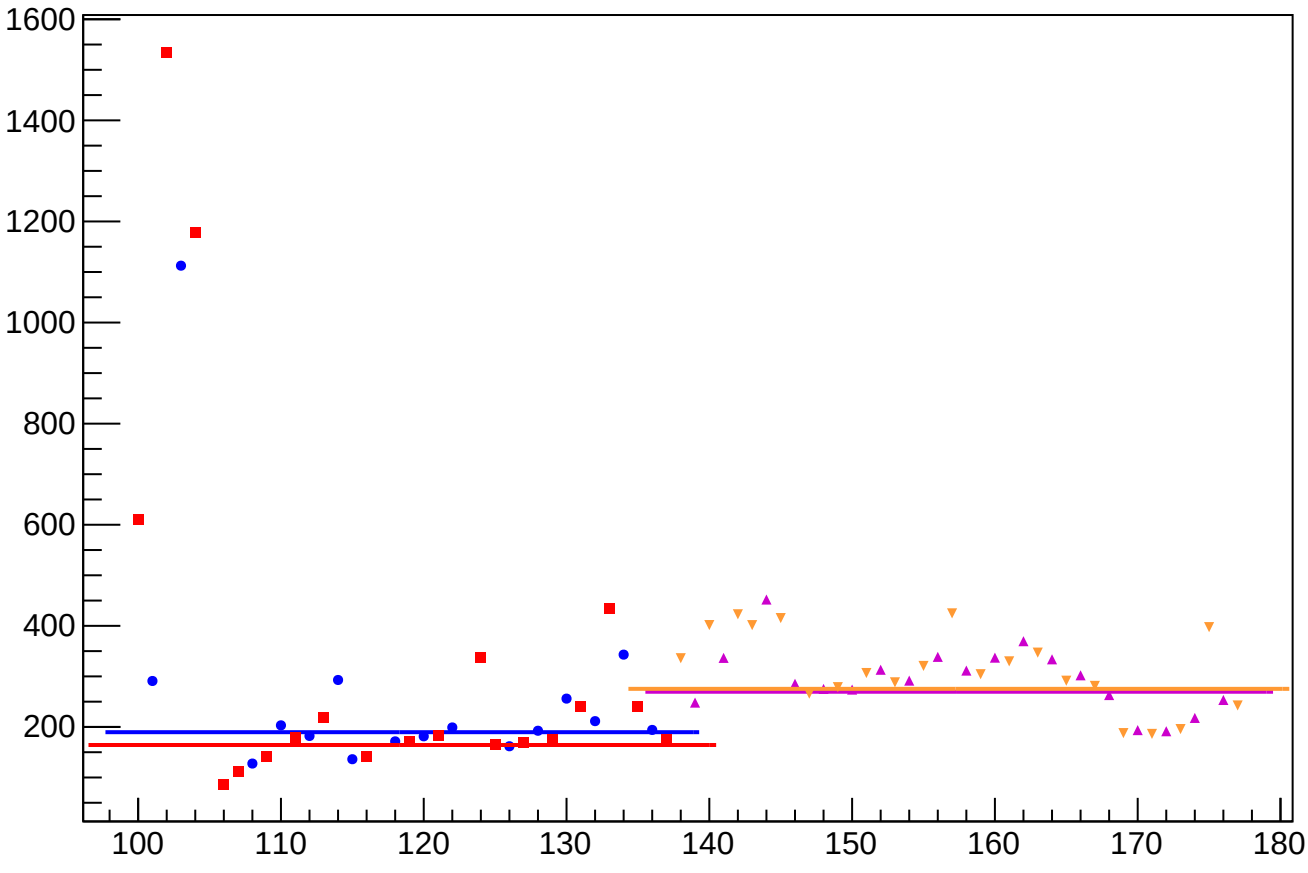
Left In: 269.643+/-0.051 χ^2/NDF:1348564.4/18

+ sign 235.757+/-0.037 χ^2/NDF: 4945497.9/36

All: 225.350+/-0.026 χ^2/NDF: 11303414.5/74

- sign 215.770+/-0.035 χ^2/NDF: 6205125.6/37


asym_atr_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: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.008+/-0.071 χ²/NDF:20.6/20
Right Out: -0.072+/-0.070 χ²/NDF: 28.7/18
Left In: 0.085+/-0.072 χ²/NDF:27.7/18
+ sign -0.036+/-0.052 χ²/NDF: 35.3/36
All: -0.015+/-0.036 χ²/NDF: 94.5/74
- sign 0.005+/-0.050 χ²/NDF: 58.9/37



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 275.374+/-0.050 χ^2/NDF:2137685.2/20

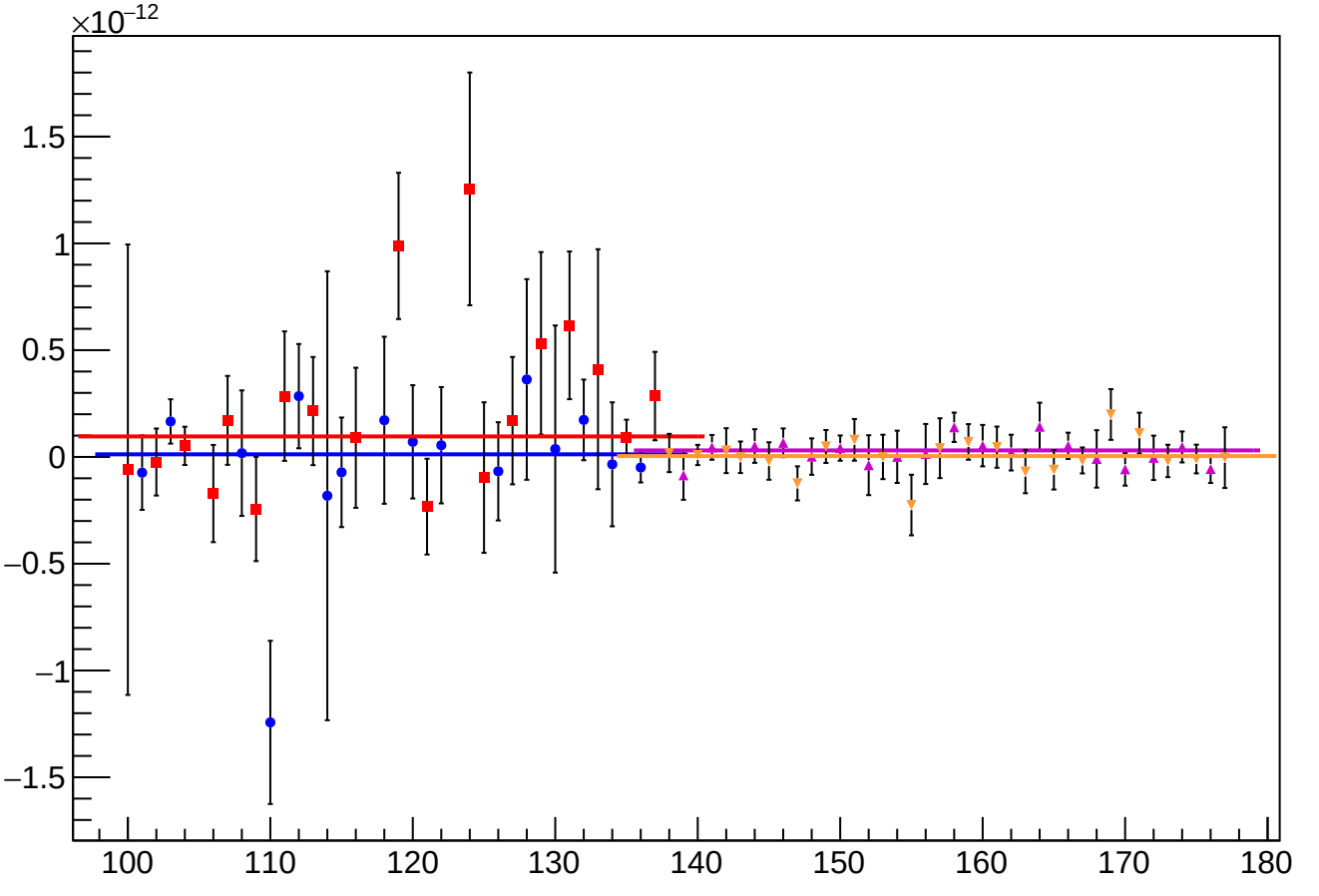
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 269.643+/-0.051 χ^2/NDF:1348564.4/18

+ sign 235.757+/-0.037 χ^2/NDF: 4945497.9/36

All: 225.350+/-0.026 χ^2/NDF: 11303414.5/74

- sign 215.770+/-0.035 χ^2/NDF: 6205125.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

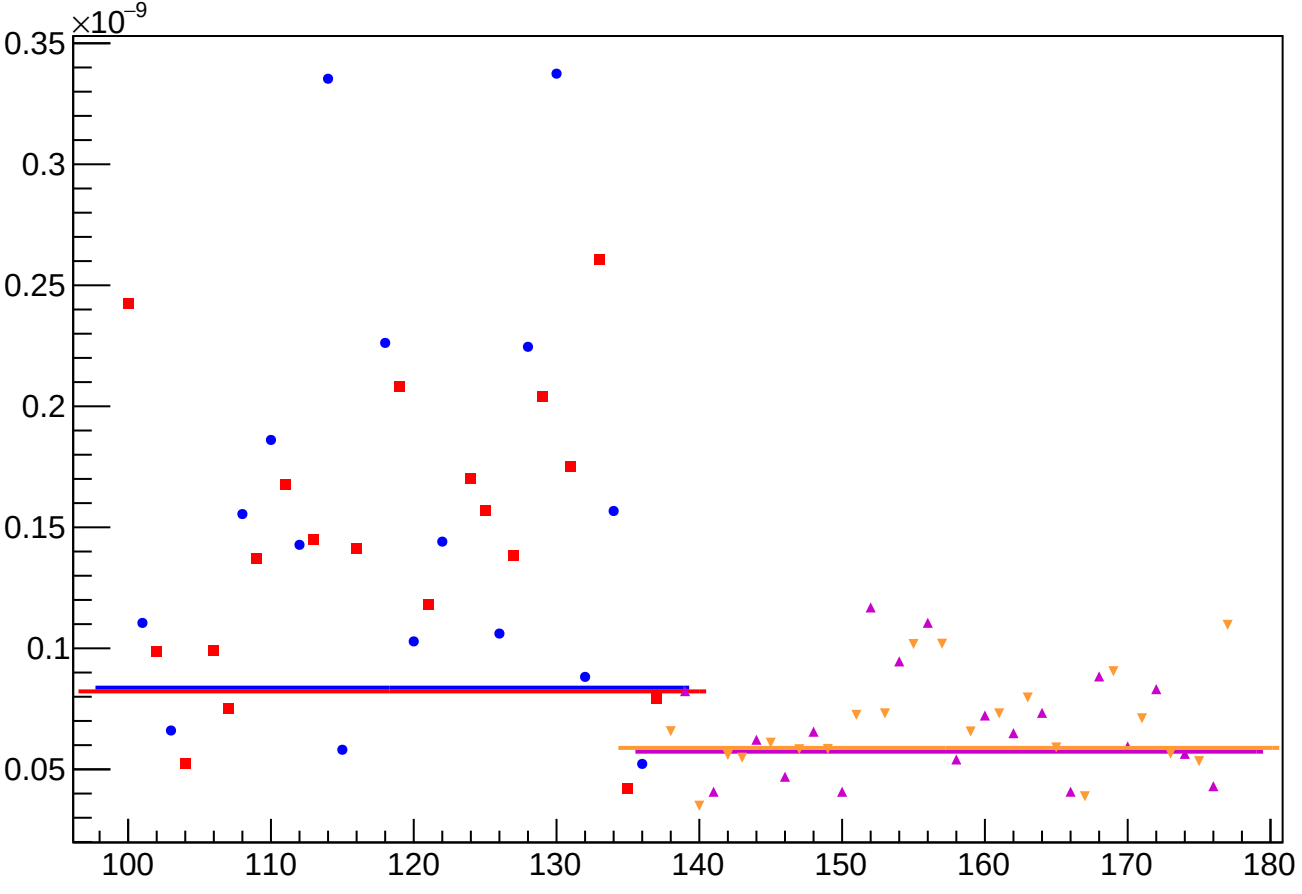
Left In: 0.000+/-0.000 χ^2/NDF:8.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/36

All: 0.000+/-0.000 χ^2/NDF: 65.5/74

- sign 0.000+/-0.000 χ^2/NDF: 33.9/37

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:1781362.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

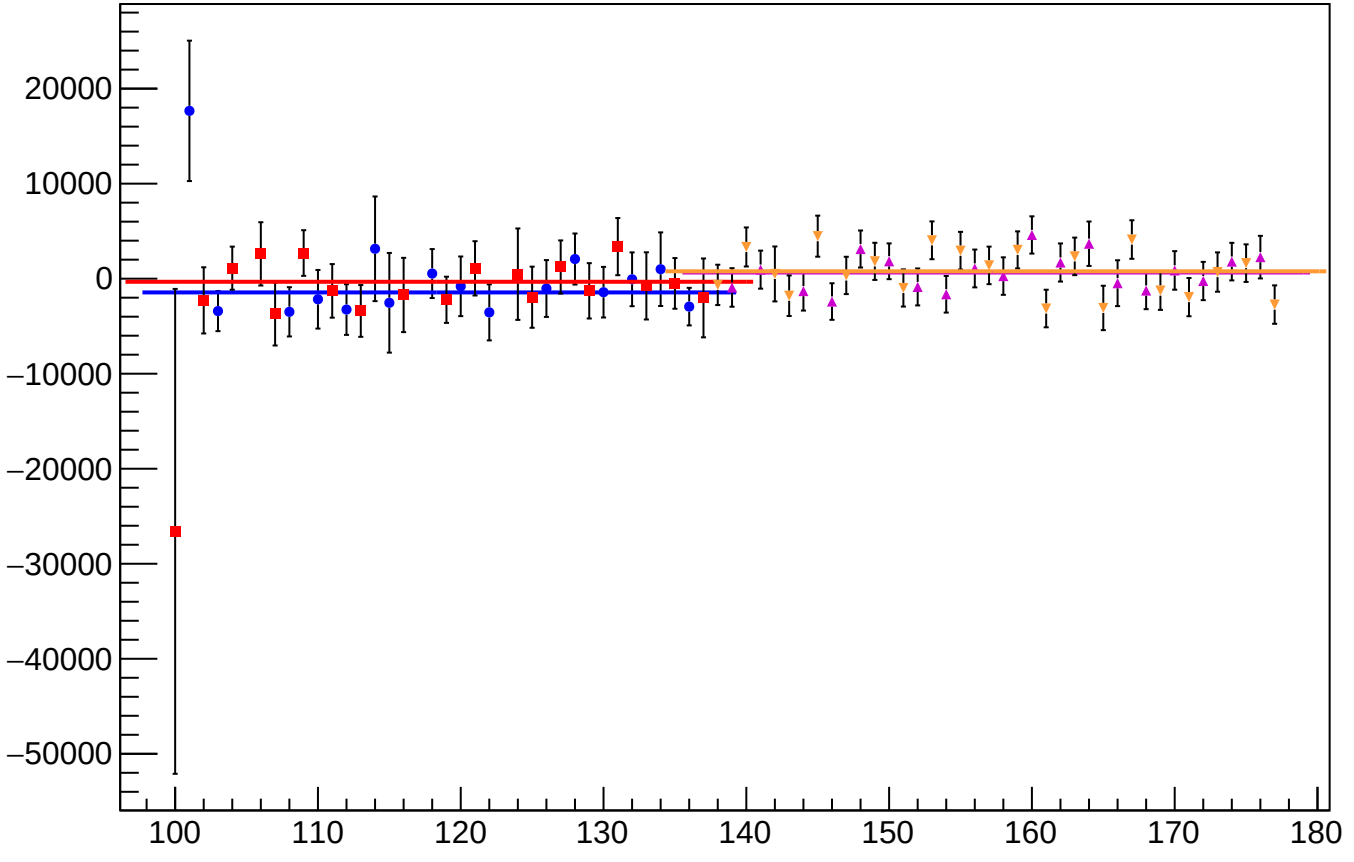
Left In: 0.000+/-0.000 χ^2/NDF:1904540.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 4403398.3/36

All: 0.000+/-0.000 χ^2/NDF: 9114695.9/74

- sign 0.000+/-0.000 χ^2/NDF: 4704756.3/37

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 776.276+/-448.029 χ^2/NDF:28.9/20

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

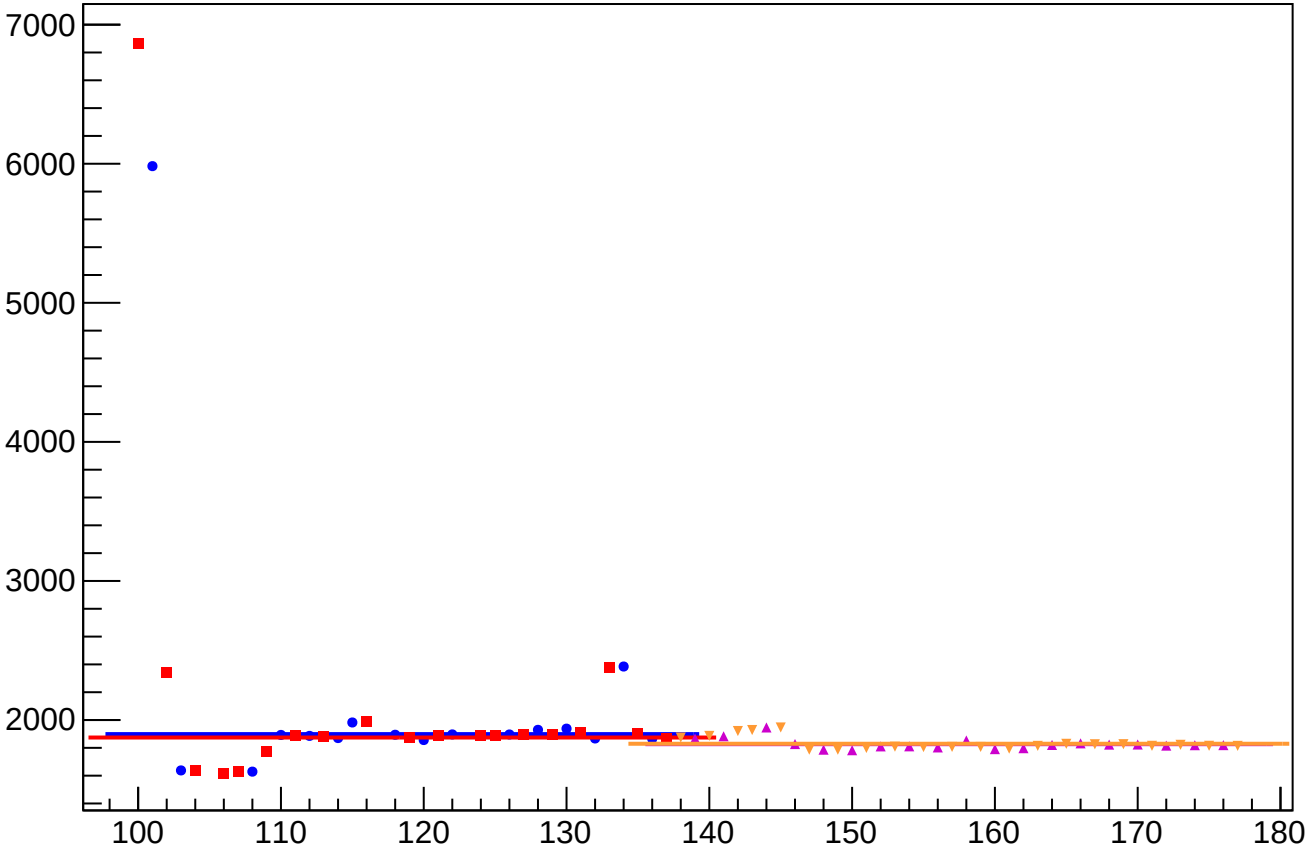
Left In: 646.915+/-463.345 χ^2/NDF:16.4/18

+ sign 159.708+/-380.856 χ^2/NDF: 49.2/36

All: 254.407+/-271.388 χ^2/NDF: 77.0/74

- sign 352.092+/-386.814 χ^2/NDF: 27.7/37

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1829.420+/-0.317 χ^2/NDF:19108.1/20

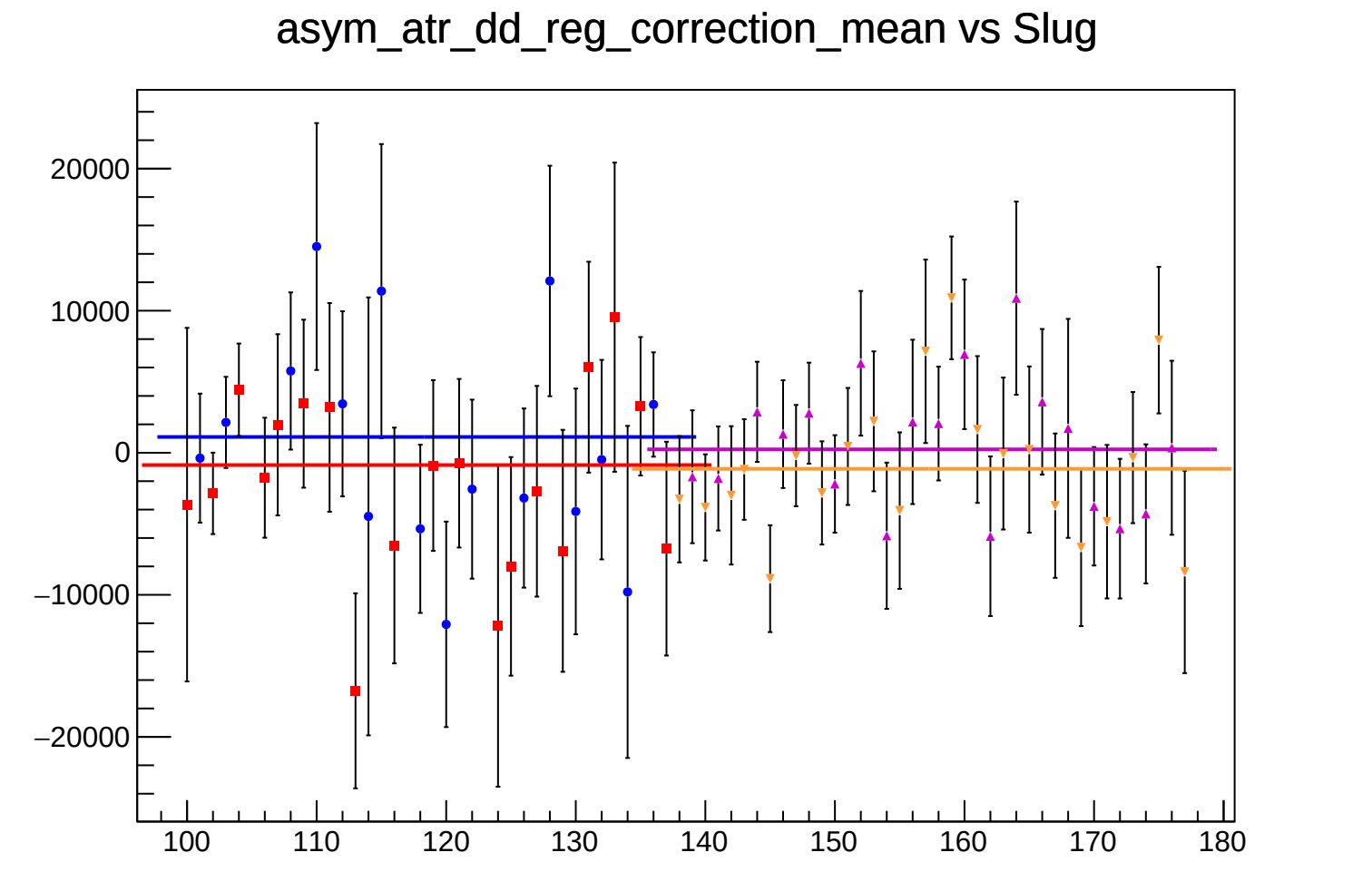
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

+ sign 1848.672+/-0.269 χ^2/NDF: 729935.7/36

All: 1844.837+/-0.192 χ^2/NDF: 957802.6/74

- sign 1840.890+/-0.273 χ^2/NDF: 227455.5/37



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -1132.990+/-1004.238 χ^2/NDF:22.0/20

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

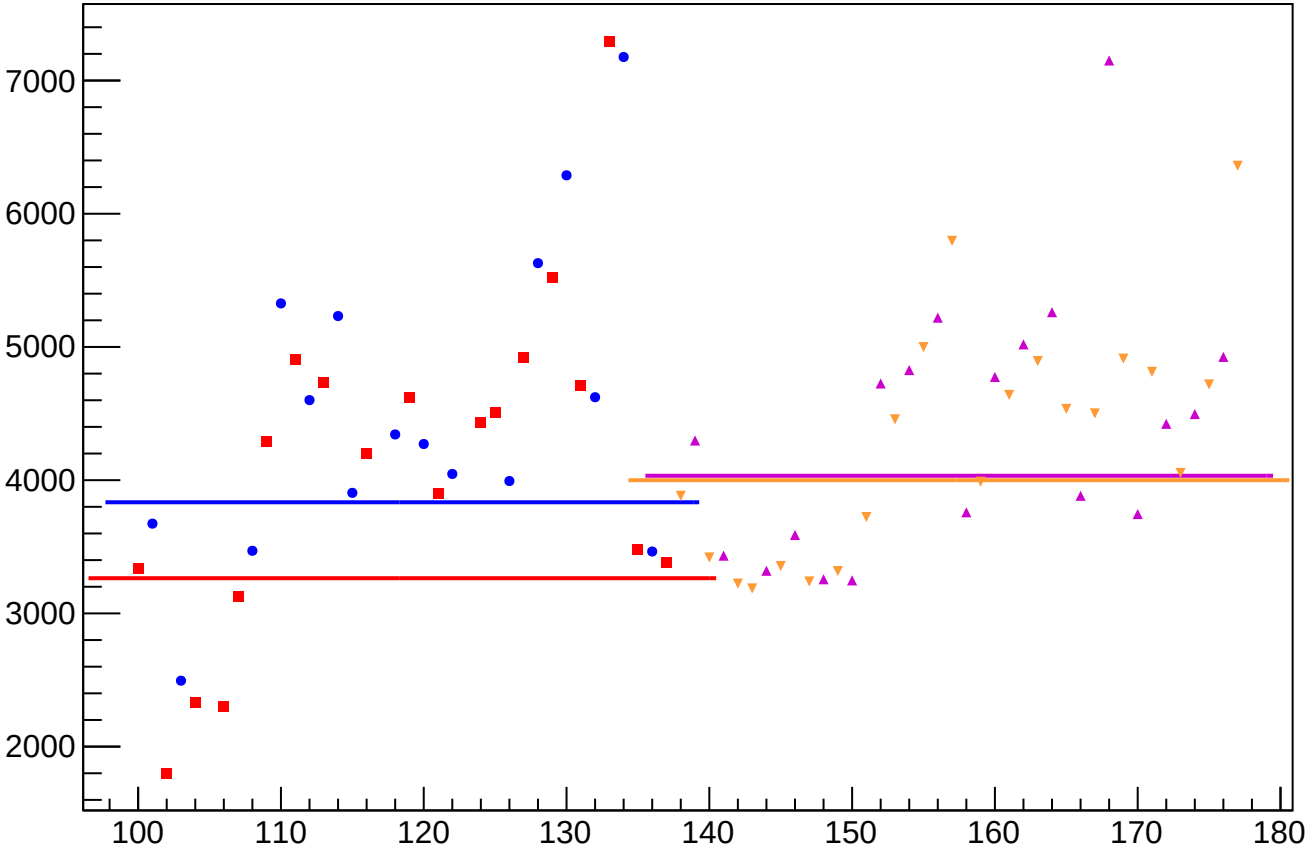
Left In: 238.748+/-1045.755 χ^2/NDF:14.1/18

\+ sign -424.523+/-830.865 χ^2/NDF: 36.9/36

All: -306.627+/-582.403 χ^2/NDF: 67.1/74

\- sign -192.742+/-816.605 χ^2/NDF: 30.1/37

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3999.729+/-0.710 χ^2/NDF:1153939.9/20

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

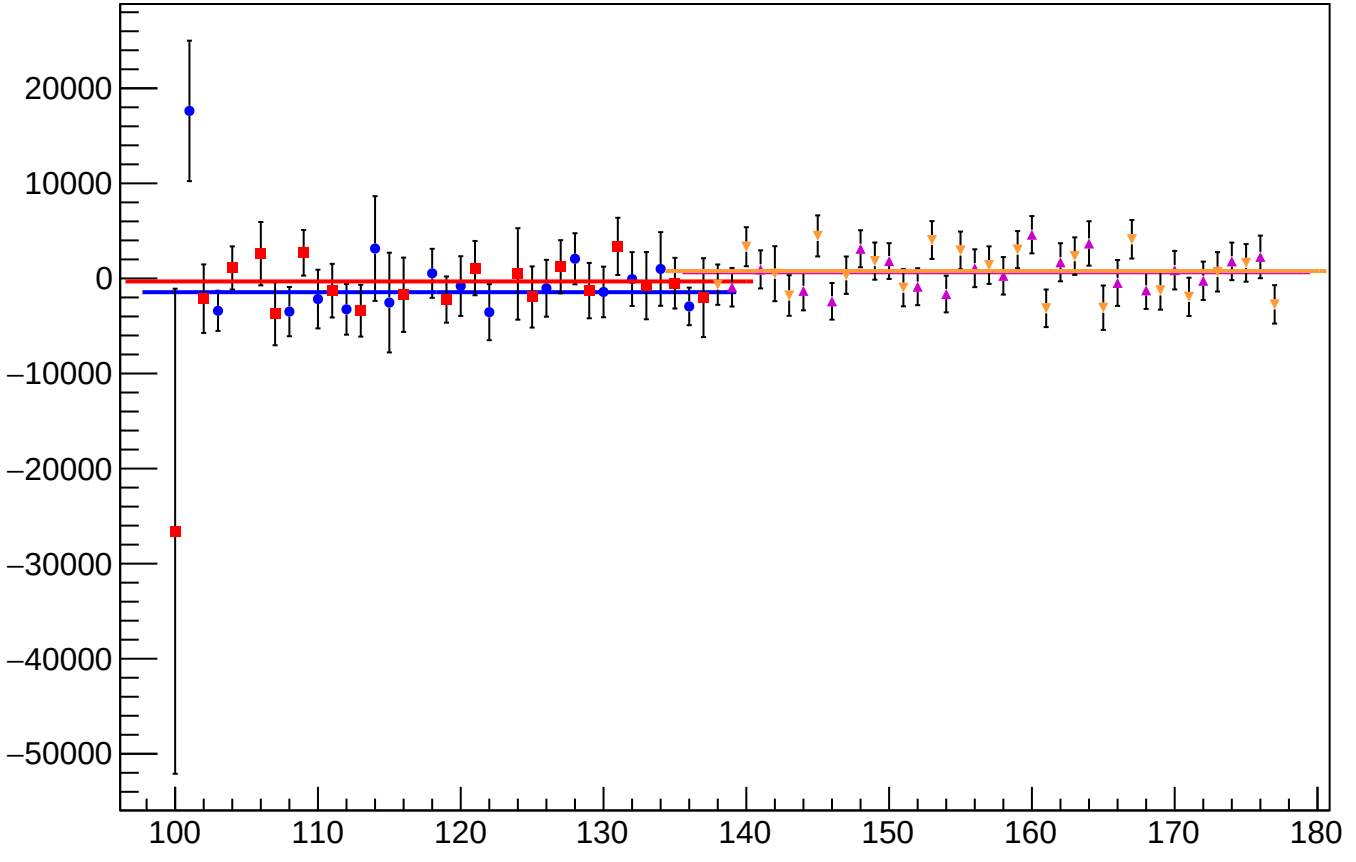
Left In: 4033.267+/-0.739 χ^2/NDF:1125537.5/18

+ sign 3947.497+/-0.588 χ^2/NDF: 2127865.5/36

All: 3838.451+/-0.412 χ^2/NDF: 5607576.7/74

- sign 3733.116+/-0.577 χ^2/NDF: 3411984.0/37

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 776.354+/-448.029 χ^2/NDF:28.9/20

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

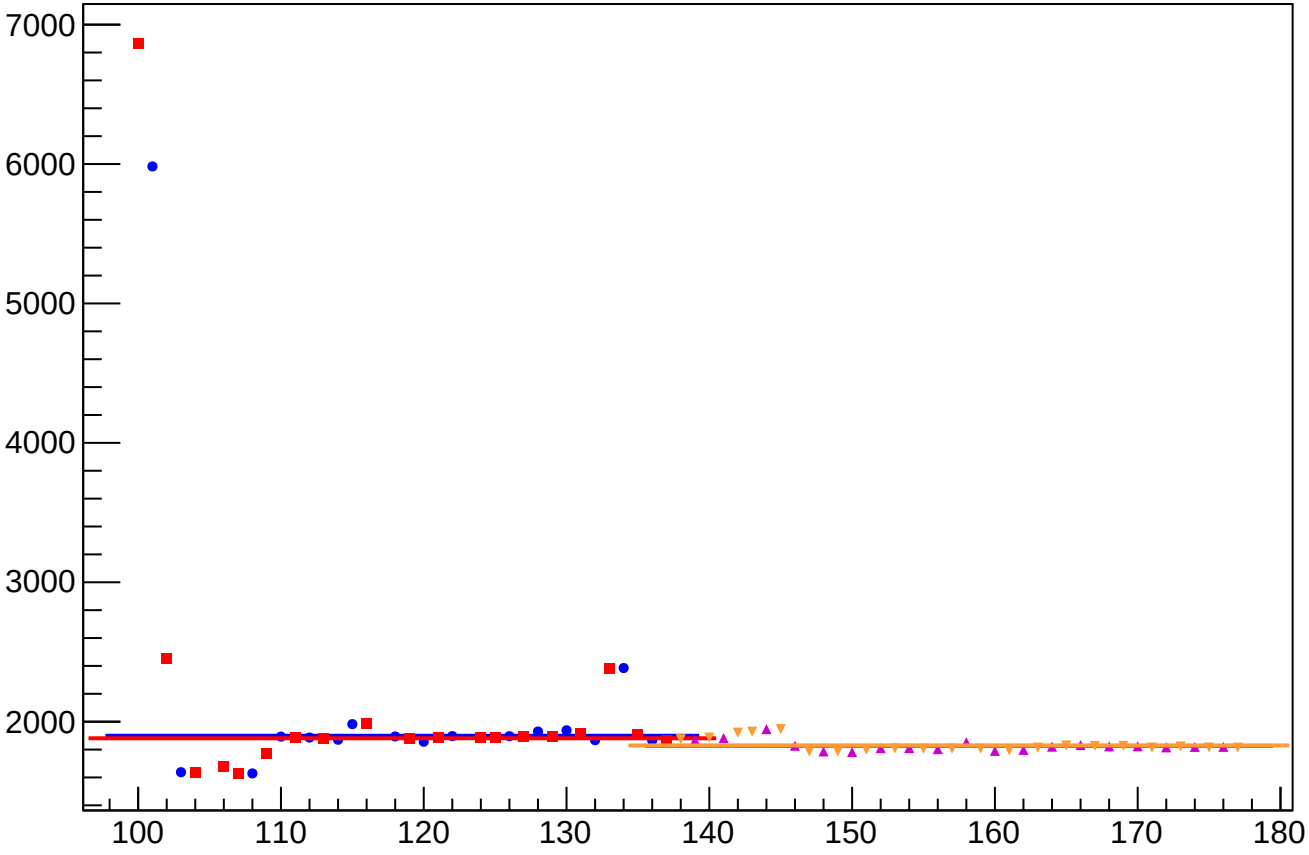
Left In: 646.825+/-463.345 χ^2/NDF:16.4/18

+ sign 159.657+/-380.856 χ^2/NDF: 49.2/36

All: 256.138+/-271.442 χ^2/NDF: 76.9/74

- sign 355.742+/-386.972 χ^2/NDF: 27.6/37

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1829.420+/-0.317 χ^2/NDF:19108.1/20

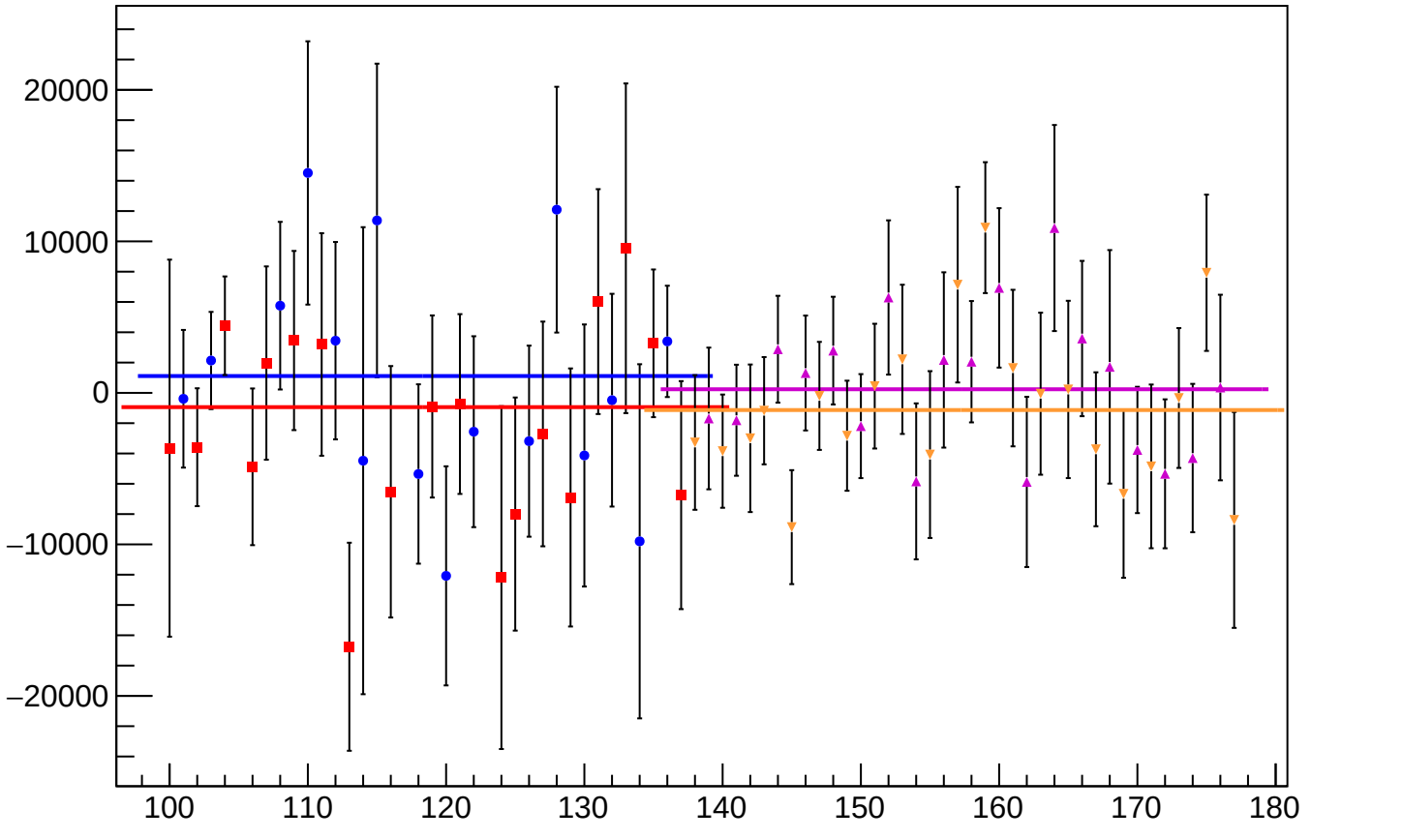
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

+ sign 1848.672+/-0.269 χ^2/NDF: 729935.8/36

All: 1845.818+/-0.192 χ^2/NDF: 968456.3/74

- sign 1842.873+/-0.274 χ^2/NDF: 238292.3/37



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1132.990+/-1004.237 χ^2/NDF:22.0/20

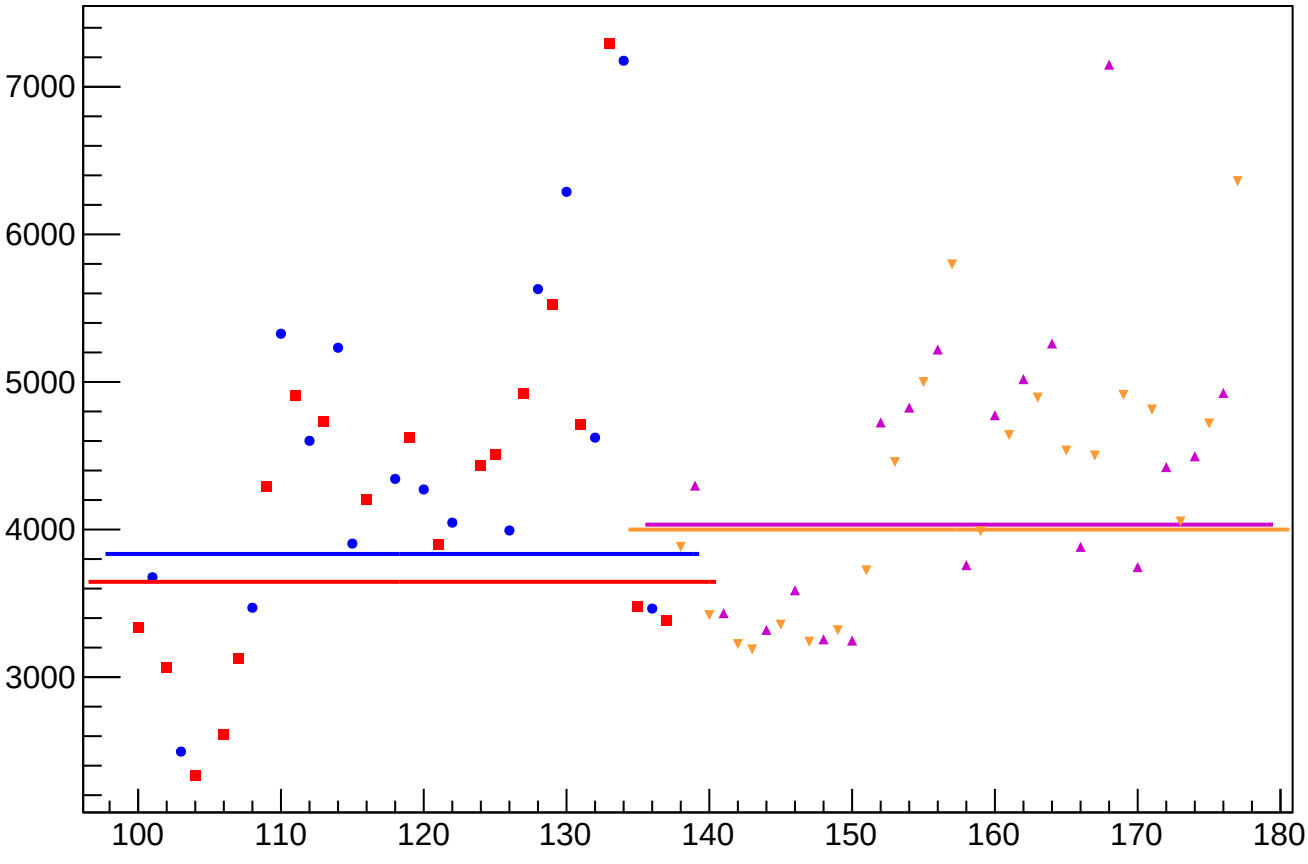
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 238.765+/-1045.753 χ^2/NDF:14.1/18

\+ sign -425.007+/-830.895 χ^2/NDF: 36.9/36

All: -305.491+/-589.889 χ^2/NDF: 67.7/74

\- sign -184.037+/-837.605 χ^2/NDF: 30.7/37



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3999.725+/-0.710 χ^2/NDF:1153936.4/20

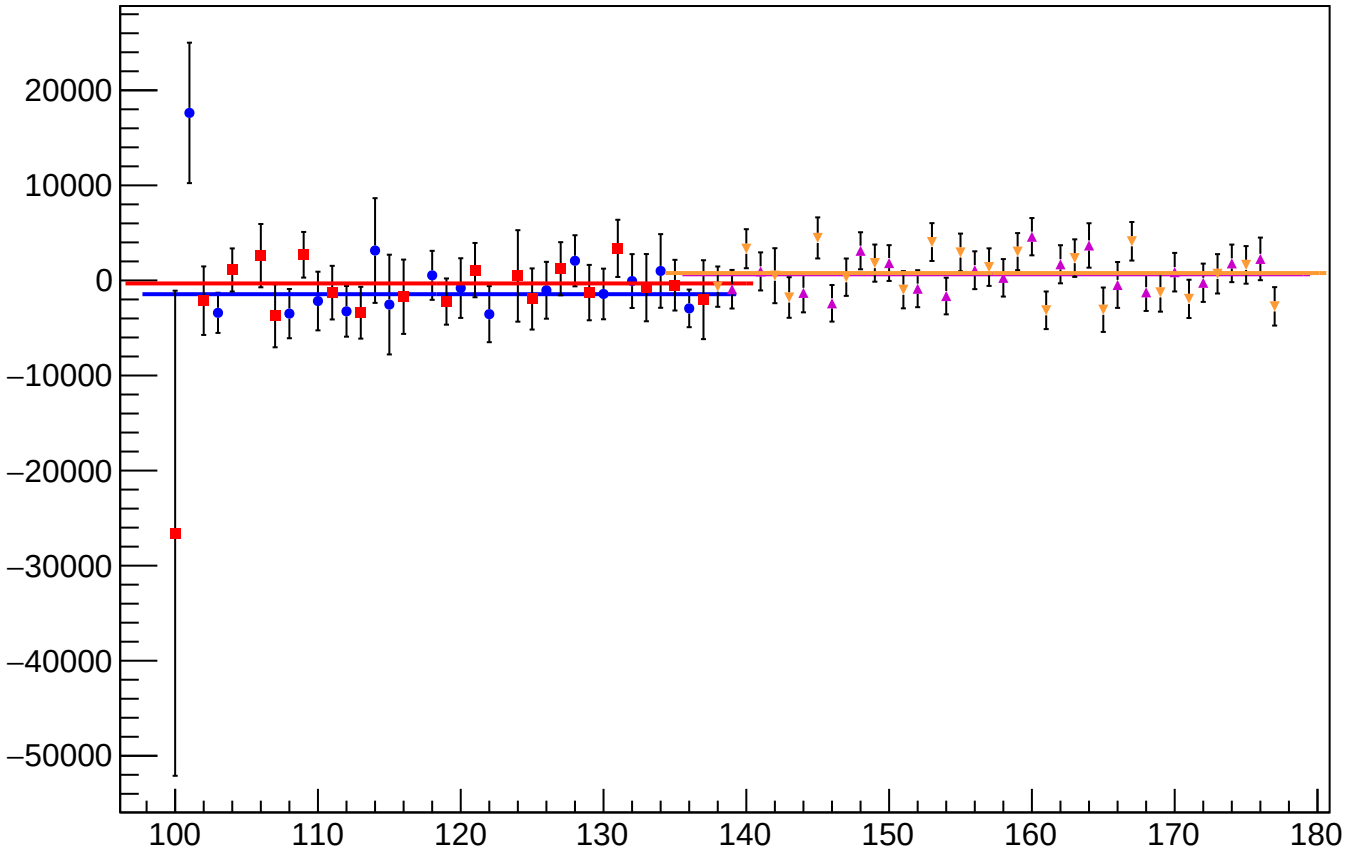
Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4033.259+/-0.739 χ^2/NDF:1125551.2/18

+ sign 3947.669+/-0.588 χ^2/NDF: 2127286.3/36

All: 3921.213+/-0.417 χ^2/NDF: 4480380.4/74

- sign 3894.329+/-0.592 χ^2/NDF: 2349006.2/37



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 776.354+/-448.029 χ^2/NDF:28.9/20

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

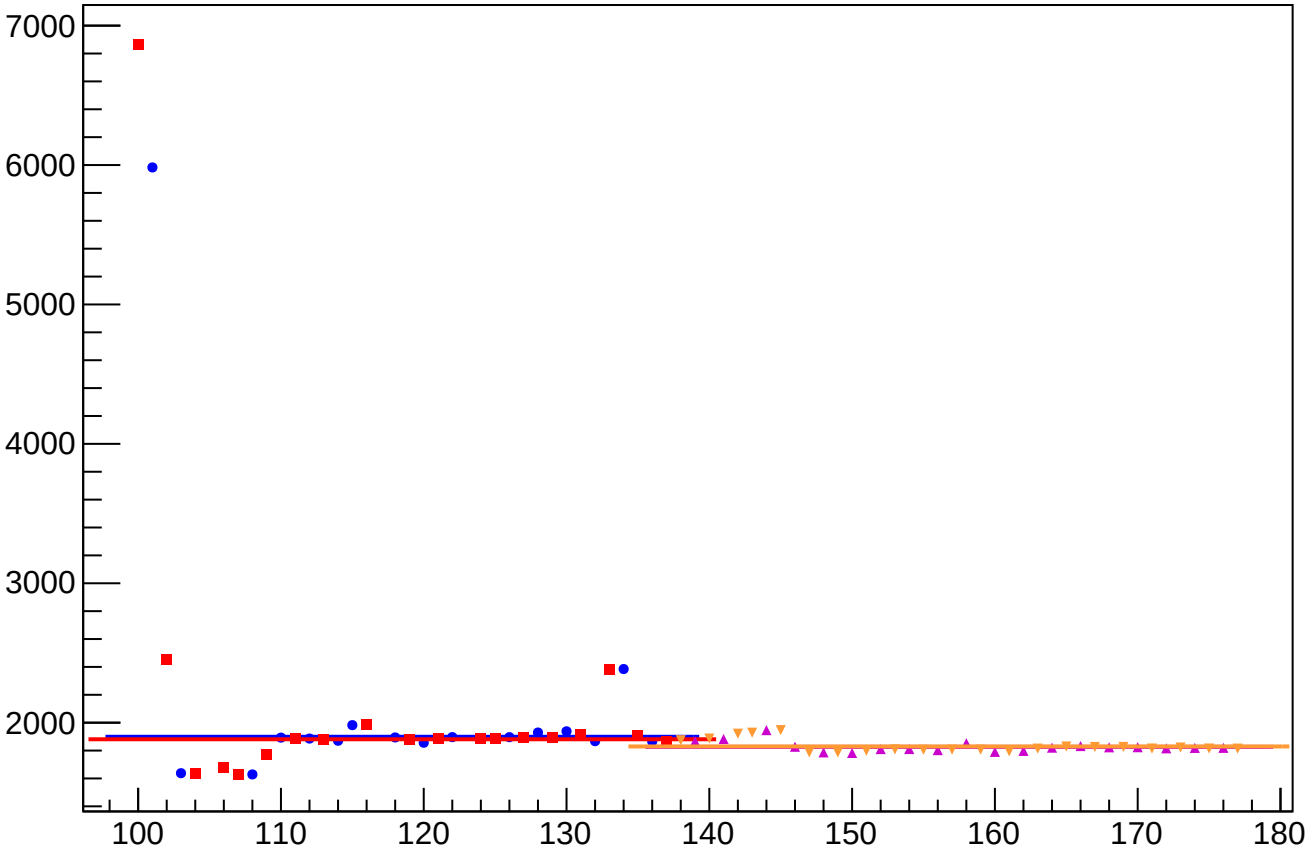
Left In: 646.825+/-463.345 χ^2/NDF:16.4/18

+ sign 159.657+/-380.856 χ^2/NDF: 49.2/36

All: 256.138+/-271.442 χ^2/NDF: 76.9/74

- sign 355.742+/-386.972 χ^2/NDF: 27.6/37

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1829.420+/-0.317 χ^2/NDF:19108.1/20

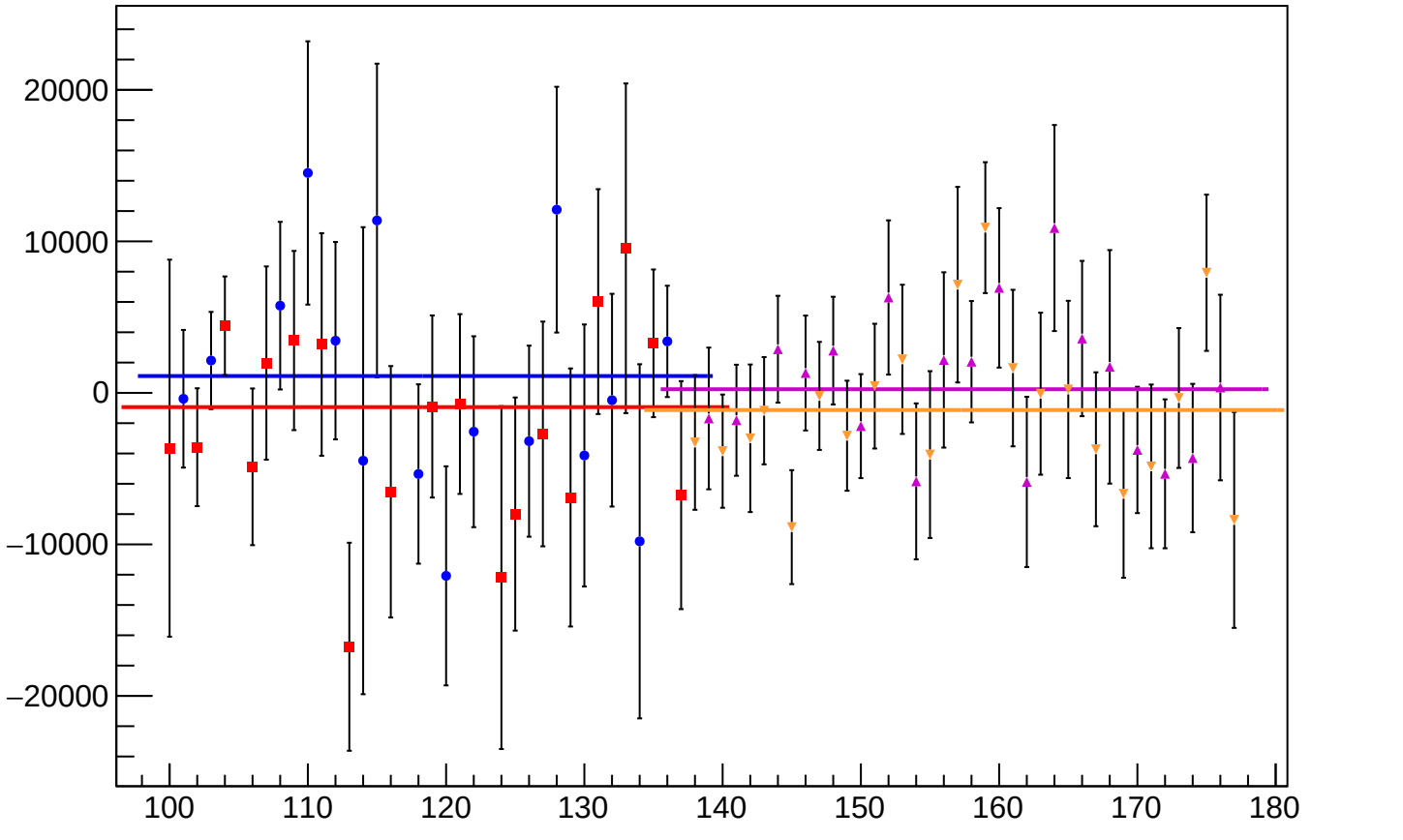
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

+ sign 1848.672+/-0.269 χ^2/NDF: 729935.8/36

All: 1845.818+/-0.192 χ^2/NDF: 968456.3/74

- sign 1842.873+/-0.274 χ^2/NDF: 238292.3/37



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1132.990+/-1004.237 χ^2/NDF:22.0/20

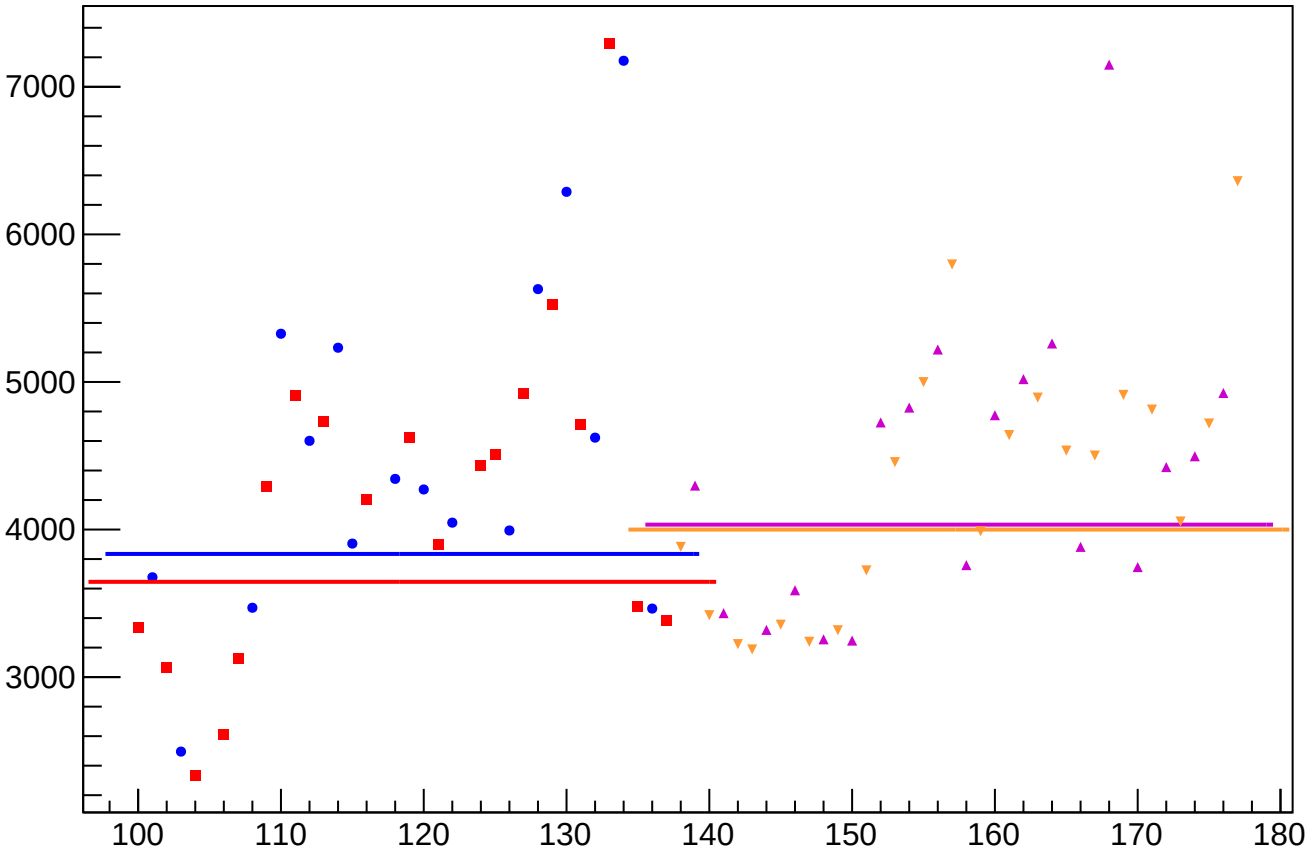
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 238.765+/-1045.753 χ^2/NDF:14.1/18

\+ sign -425.007+/-830.895 χ^2/NDF: 36.9/36

All: -305.491+/-589.889 χ^2/NDF: 67.7/74

\- sign -184.037+/-837.605 χ^2/NDF: 30.7/37



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3999.725+/-0.710 χ^2/NDF:1153936.4/20

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

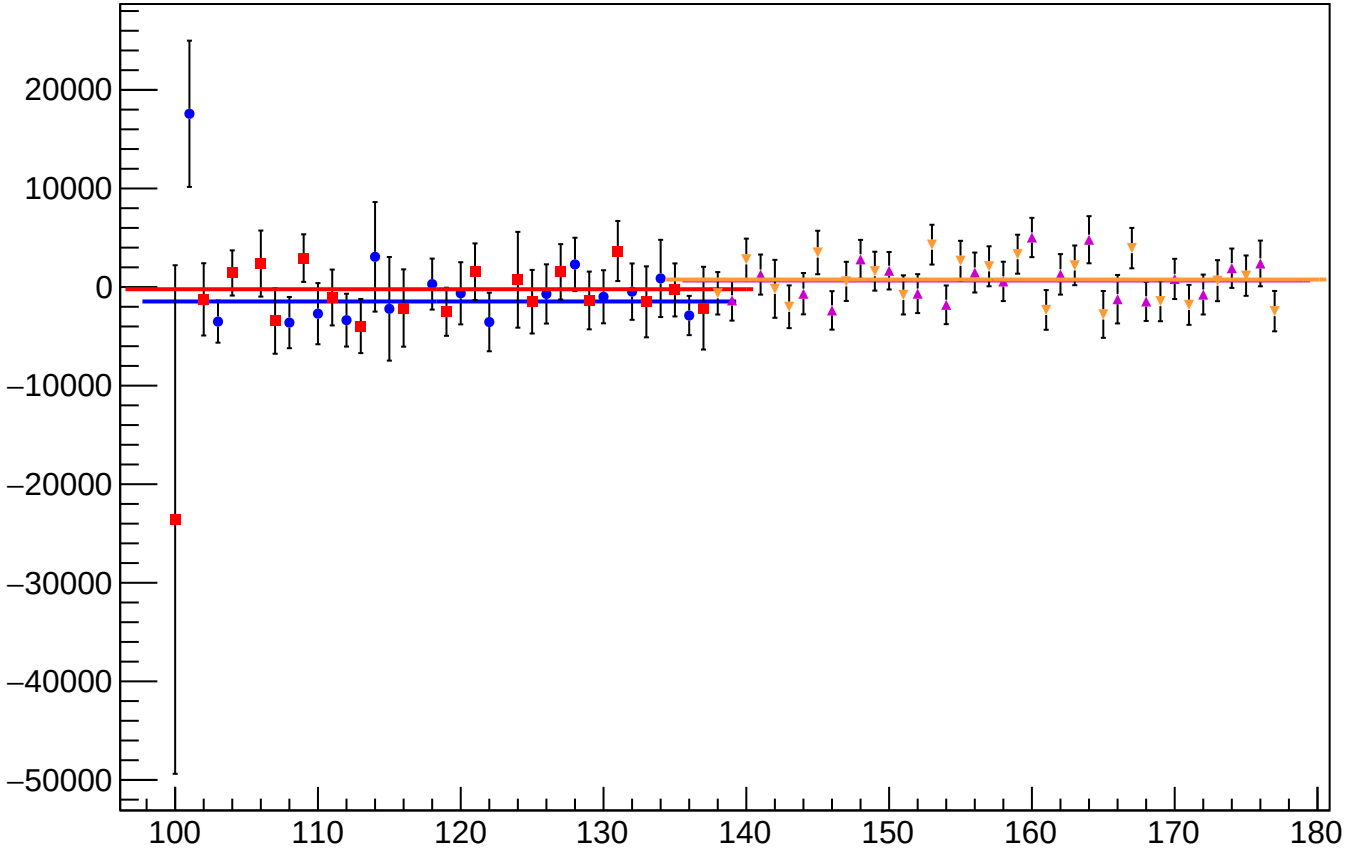
Left In: 4033.259+/-0.739 χ^2/NDF:1125551.2/18

+ sign 3947.669+/-0.588 χ^2/NDF: 2127286.3/36

All: 3921.213+/-0.417 χ^2/NDF: 4480380.4/74

- sign 3894.329+/-0.592 χ^2/NDF: 2349006.2/37

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 763.483+/-455.033 χ^2/NDF:24.3/20

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

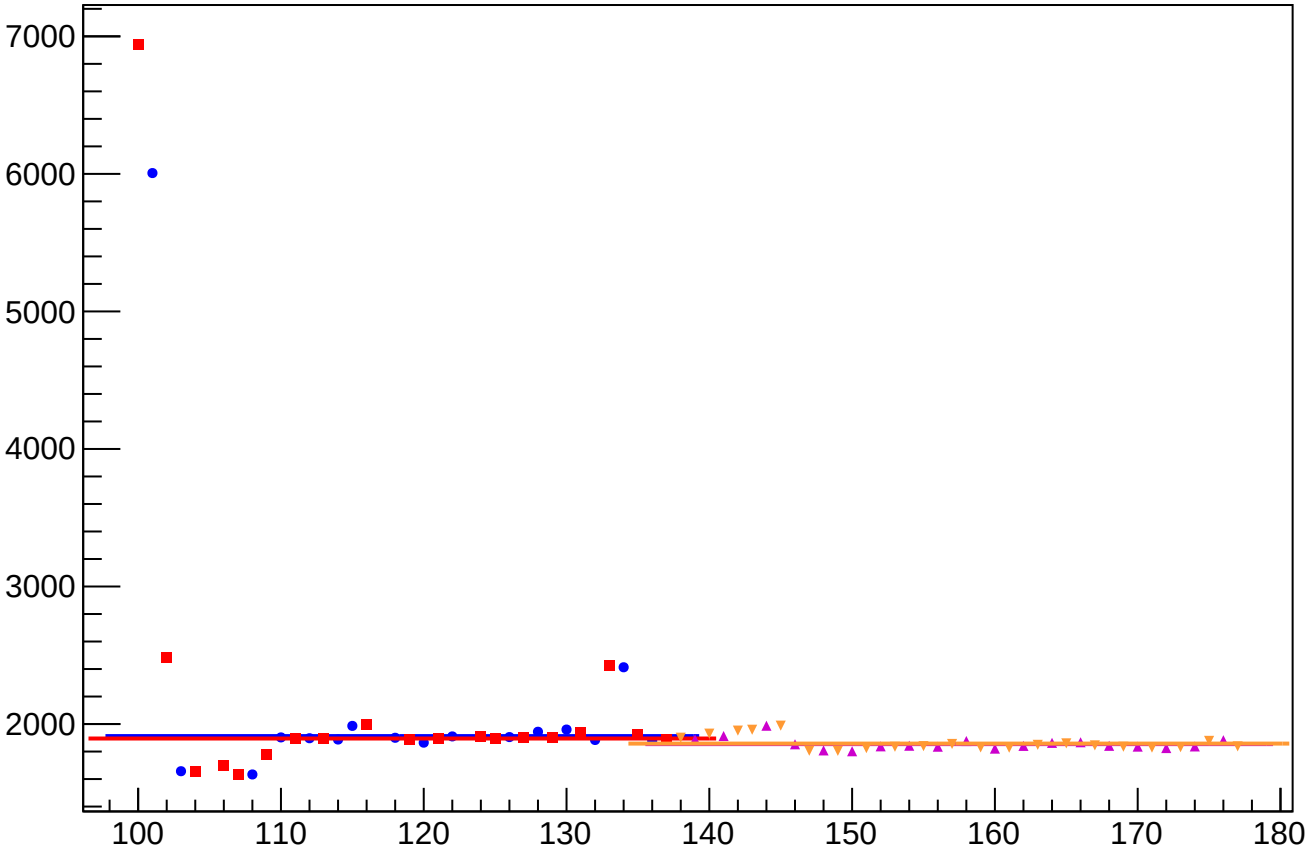
Left In: 669.686+/-470.412 χ^2/NDF:18.6/18

+ sign 138.441+/-385.900 χ^2/NDF: 44.6/36

All: 266.077+/-274.989 χ^2/NDF: 75.3/74

- sign 397.751+/-391.956 χ^2/NDF: 30.5/37

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1857.858+/-0.322 χ^2/NDF:22659.4/20

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

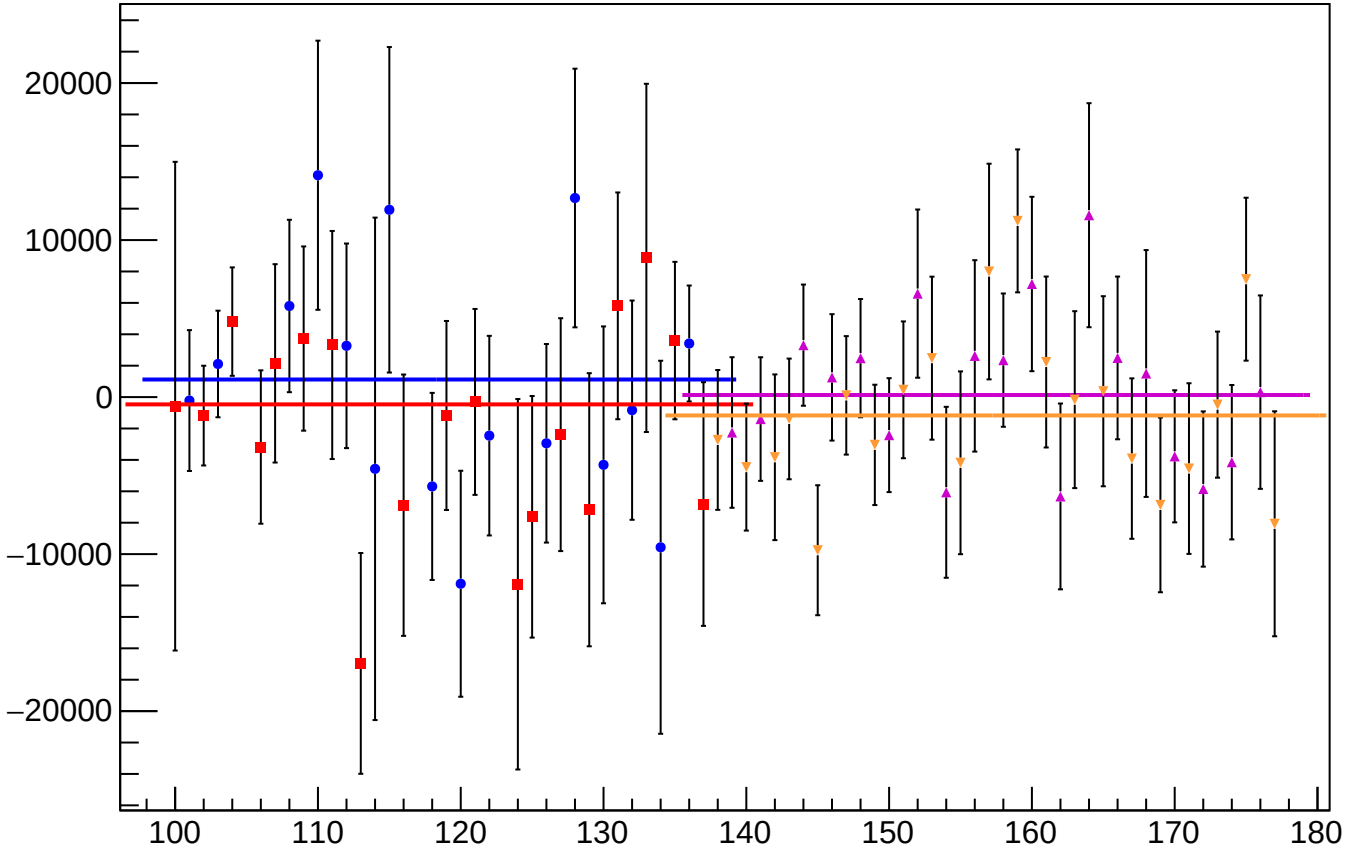
Left In: 1854.006+/-0.333 χ^2/NDF:15374.3/18

+ sign 1873.166+/-0.273 χ^2/NDF: 726941.1/36

All: 1869.877+/-0.194 χ^2/NDF: 966989.5/74

- sign 1866.486+/-0.277 χ^2/NDF: 239753.3/37

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1169.445+/-1053.710 χ^2/NDF:21.8/20

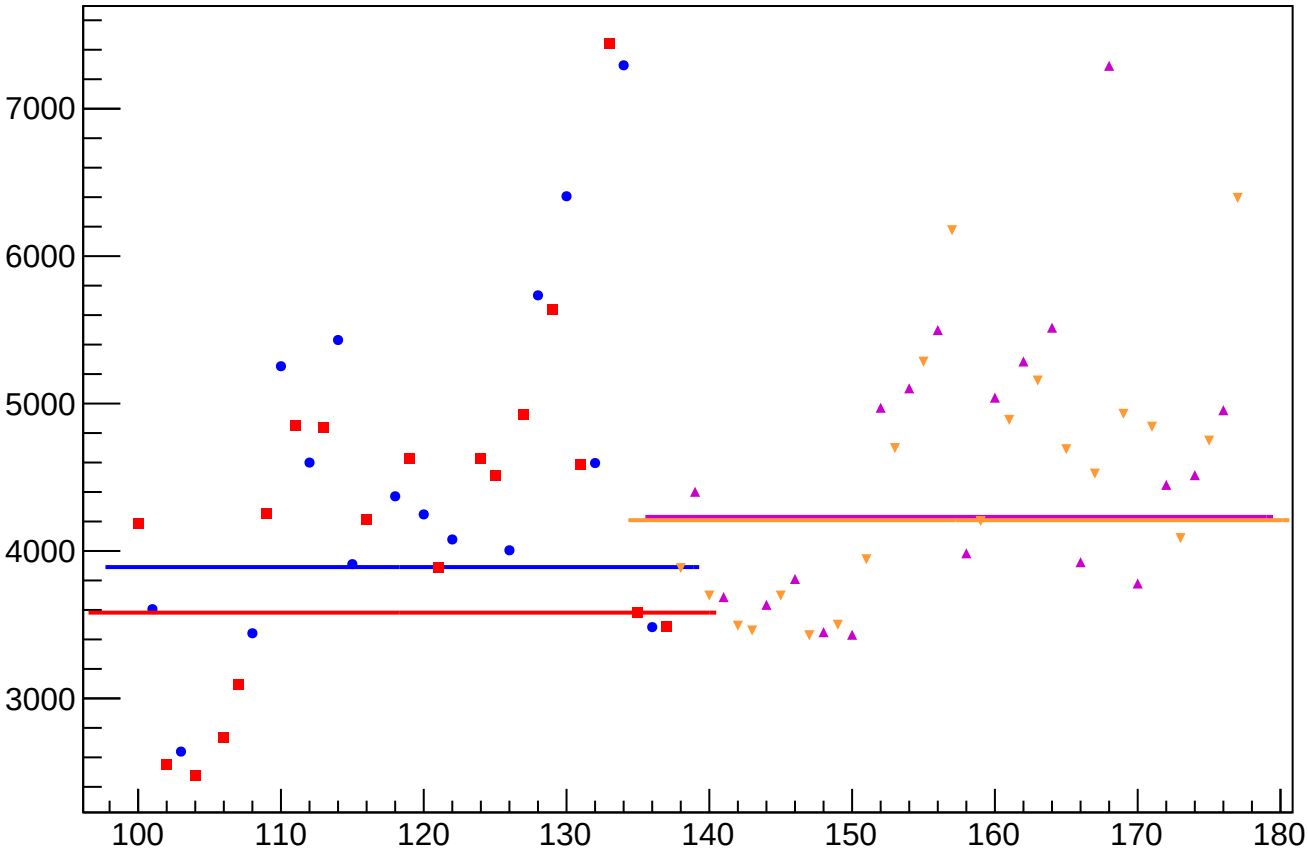
Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 131.660+/-1095.180 χ^2/NDF:13.9/18

+ sign -411.339+/-861.787 χ^2/NDF: 36.8/36

All: -254.834+/-607.191 χ^2/NDF: 65.9/74

- sign -100.555+/-855.641 χ^2/NDF: 29.1/37



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4208.858+/-0.745 χ^2/NDF:975476.1/20

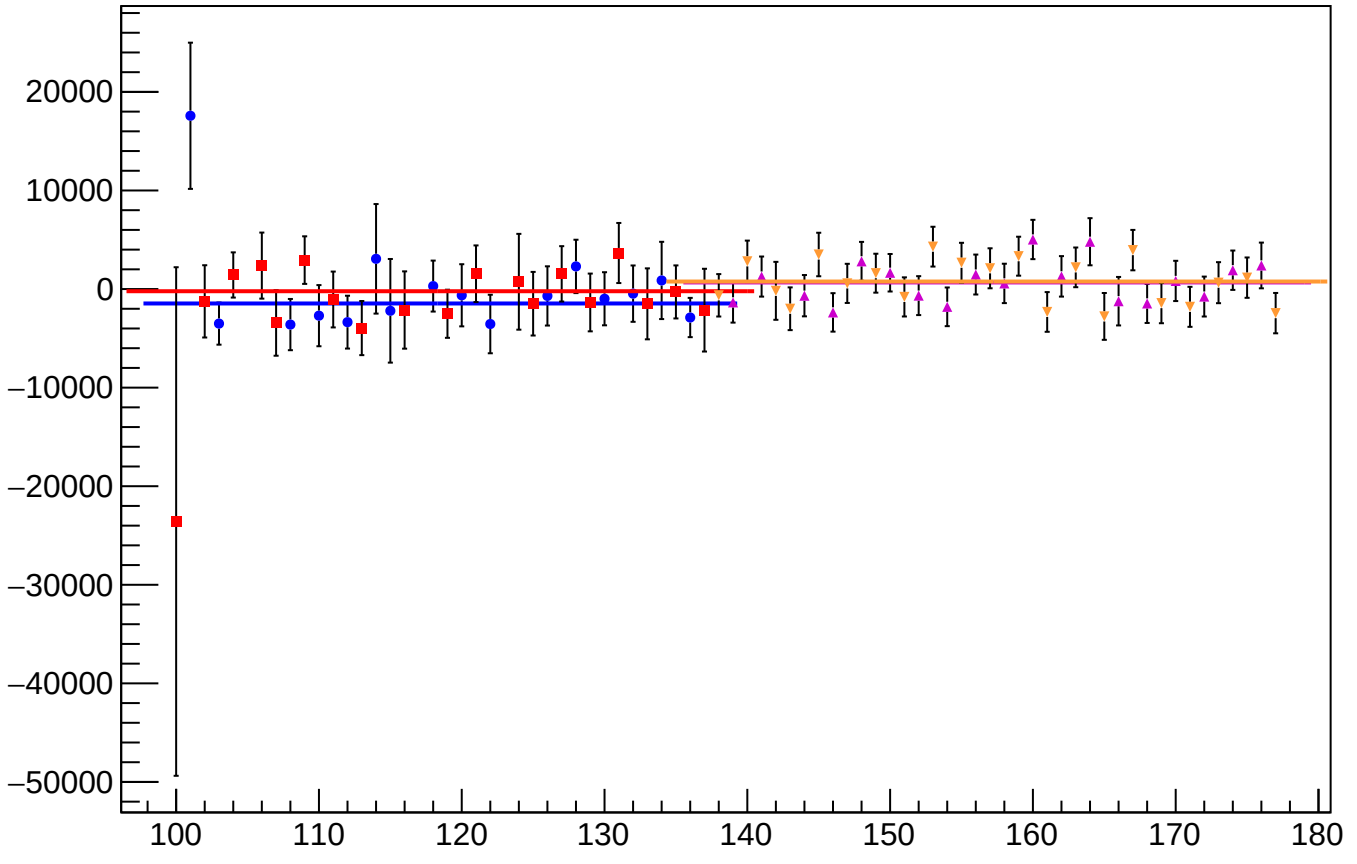
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4231.048+/-0.774 χ^2/NDF:1018548.9/18

+ sign 4103.516+/-0.609 χ^2/NDF: 1914263.9/36

All: 4040.355+/-0.429 χ^2/NDF: 4449862.7/74

- sign 3978.091+/-0.605 χ^2/NDF: 2514264.9/37



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 763.488+/-455.033 χ^2/NDF:24.3/20

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

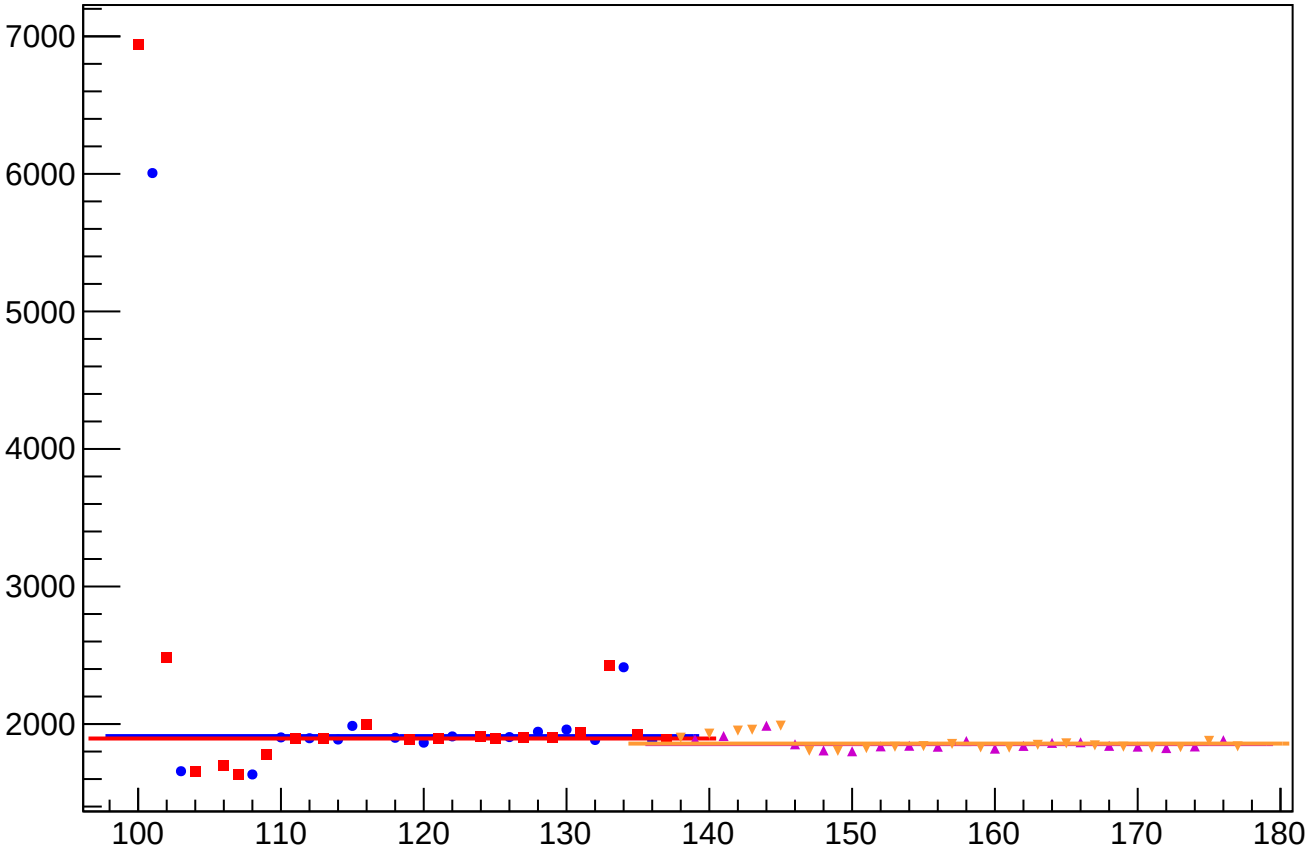
Left In: 669.689+/-470.412 χ^2/NDF:18.6/18

+ sign 138.443+/-385.900 χ^2/NDF: 44.6/36

All: 266.080+/-274.989 χ^2/NDF: 75.3/74

- sign 397.754+/-391.956 χ^2/NDF: 30.5/37

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1857.859+/-0.322 χ^2/NDF:22659.4/20

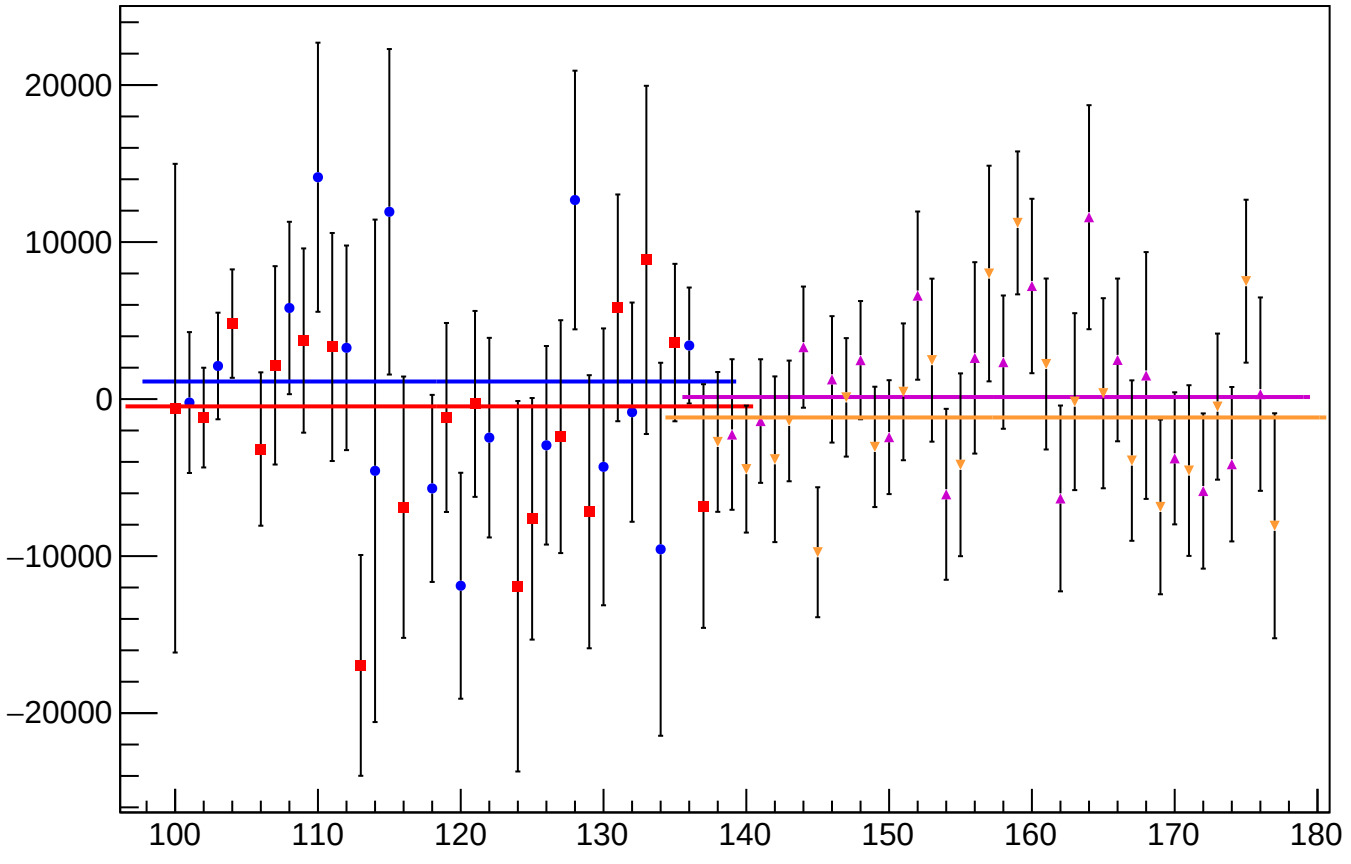
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.007+/-0.333 χ^2/NDF:15374.2/18

+ sign 1873.167+/-0.273 χ^2/NDF: 726940.8/36

All: 1869.878+/-0.194 χ^2/NDF: 966988.9/74

- sign 1866.487+/-0.277 χ^2/NDF: 239753.0/37



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1169.445+/-1053.712 χ^2/NDF:21.8/20

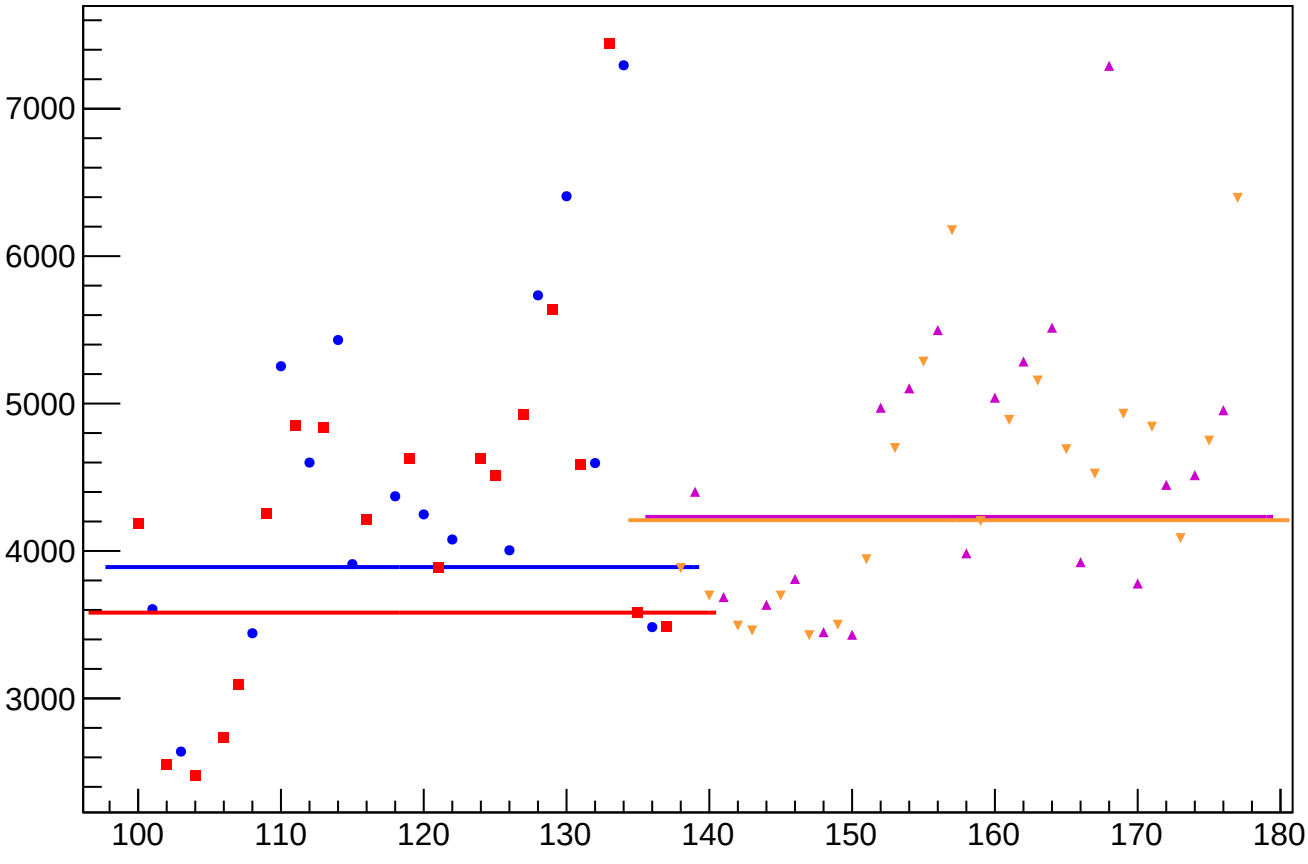
Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: 131.658+/-1095.182 χ^2/NDF:13.9/18

\+ sign -411.340+/-861.788 χ^2/NDF: 36.8/36

All: -254.836+/-607.191 χ^2/NDF: 65.9/74

\- sign -100.556+/-855.641 χ^2/NDF: 29.1/37



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4208.865+/-0.745 χ^2/NDF:975476.8/20

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

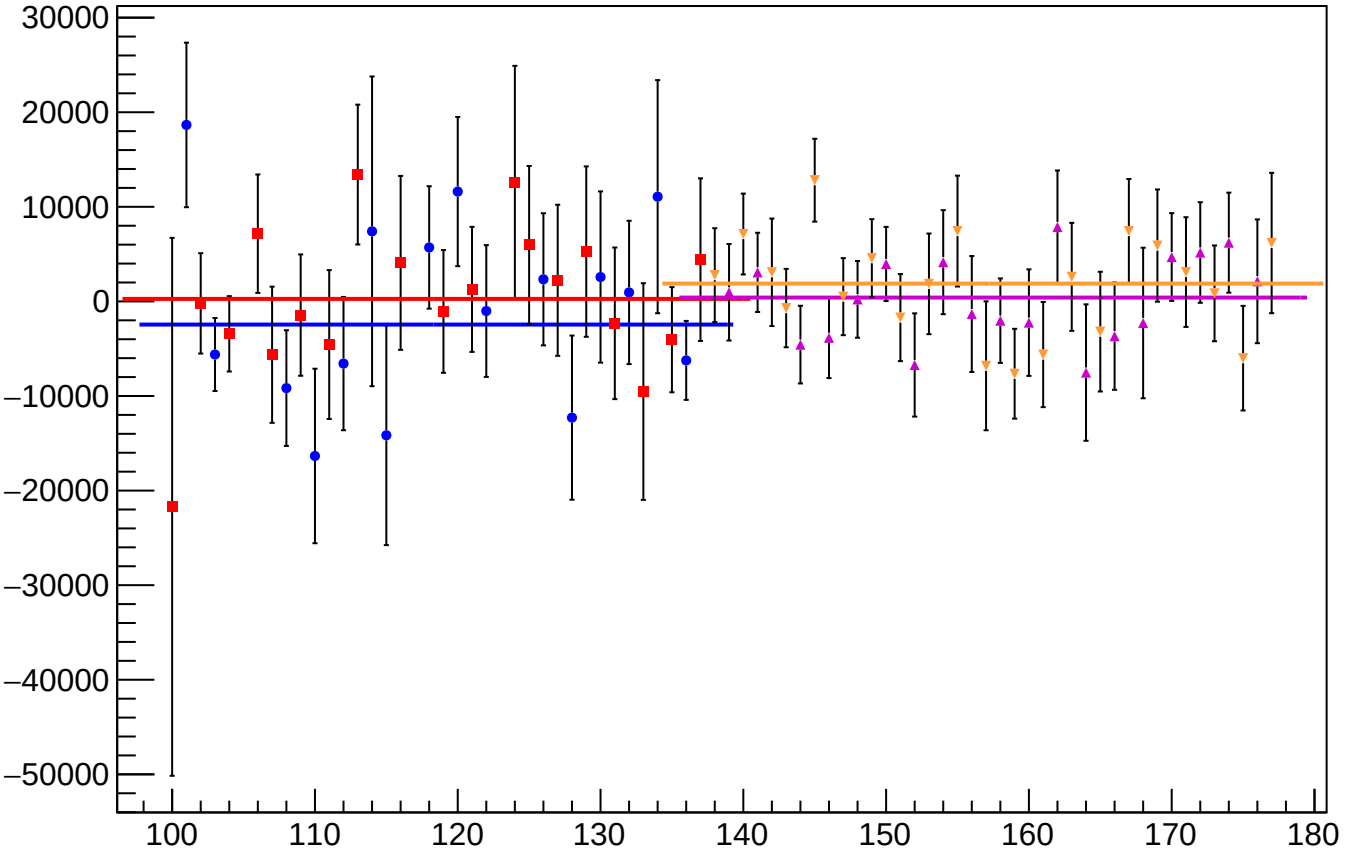
Left In: 4231.054+/-0.774 χ^2/NDF:1018551.6/18

+ sign 4103.520+/-0.609 χ^2/NDF: 1914259.1/36

All: 4040.357+/-0.429 χ^2/NDF: 4449860.3/74

- sign 3978.093+/-0.605 χ^2/NDF: 2514266.8/37

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1883.672+/-1116.485 χ^2/NDF:22.3/20

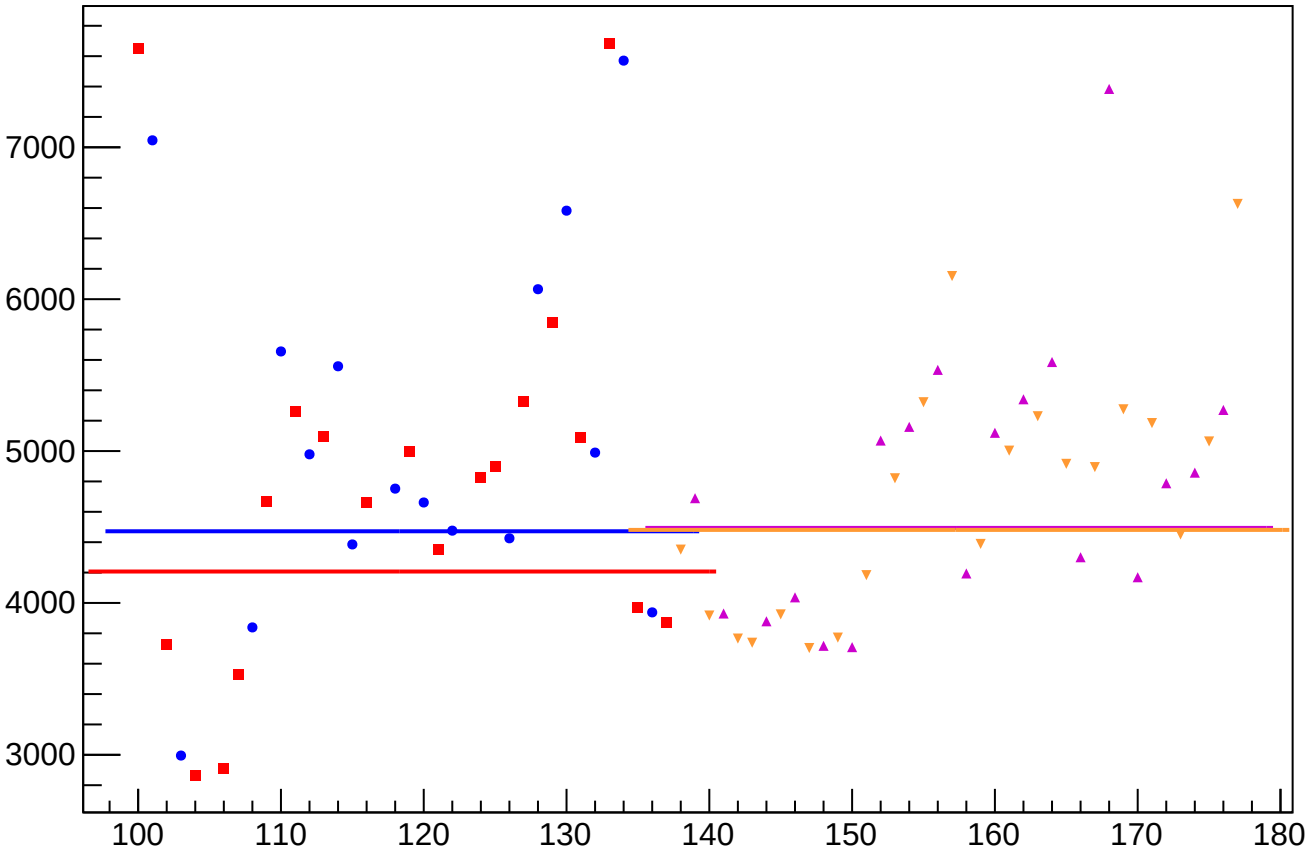
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 404.404+/-1157.951 χ^2/NDF:12.8/18

+ sign 599.164+/-936.437 χ^2/NDF: 47.6/36

All: 479.198+/-664.311 χ^2/NDF: 71.2/74

- sign 357.663+/-942.547 χ^2/NDF: 23.5/37



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4480.911+/-0.789 χ^2/NDF:802715.1/20

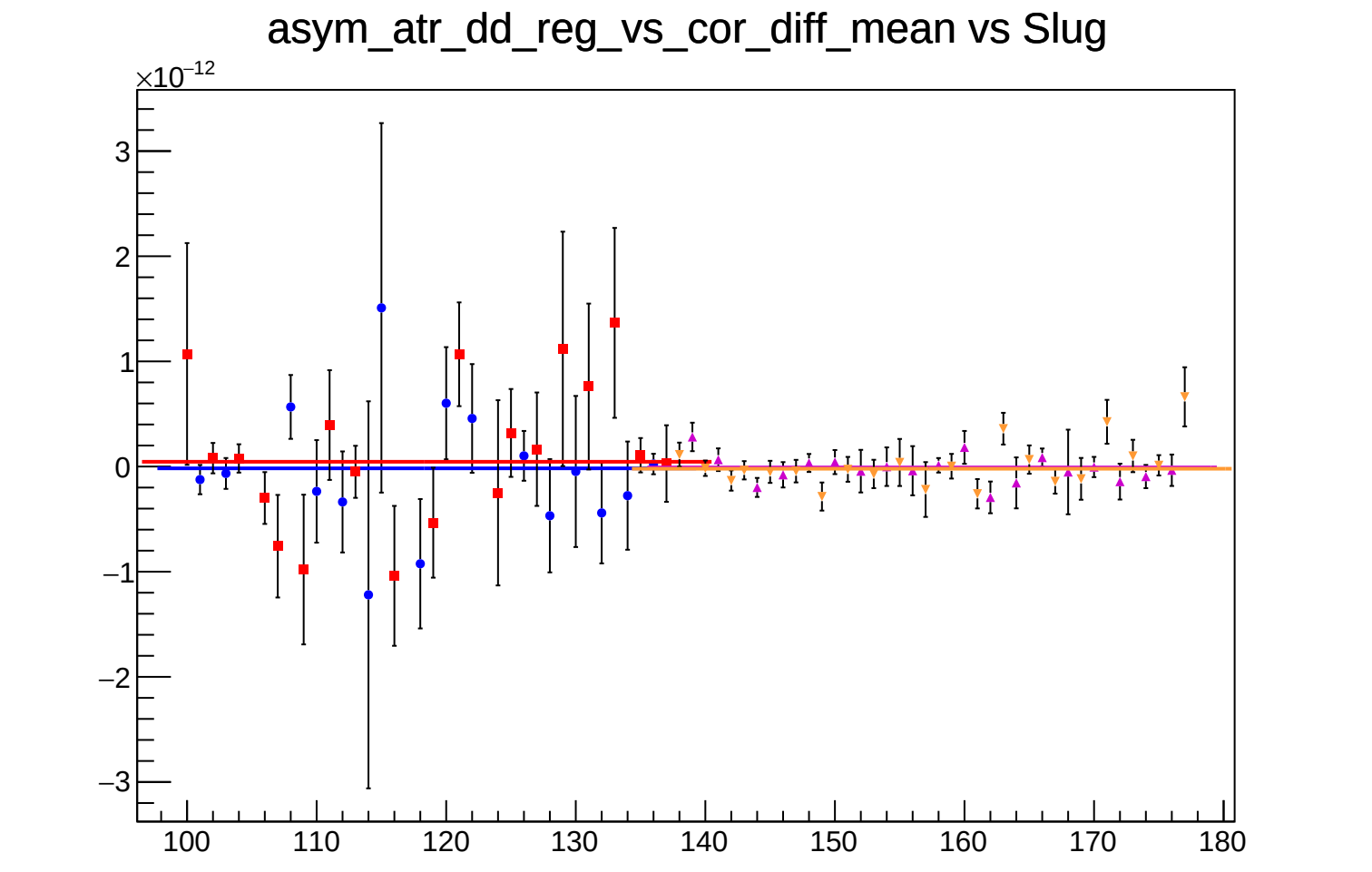
Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4494.052+/-0.819 χ^2/NDF:809304.0/18

+ sign 4478.240+/-0.662 χ^2/NDF: 1694432.1/36

All: 4437.324+/-0.469 χ^2/NDF: 3399877.7/74

- sign 4396.103+/-0.665 χ^2/NDF: 1697780.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.9/20

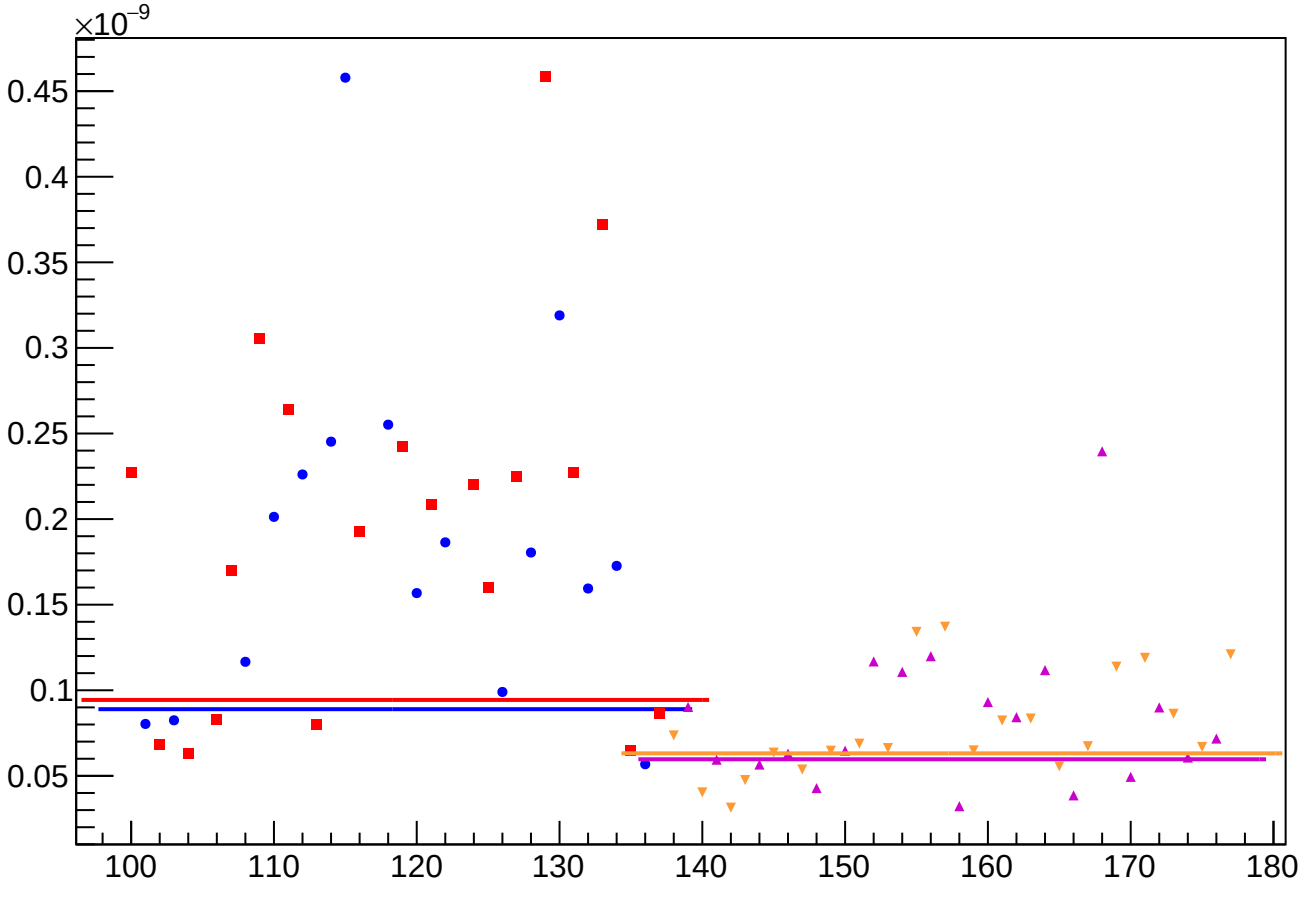
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 42.6/36

All: -0.000+/-0.000 χ^2/NDF: 83.0/74

- sign -0.000+/-0.000 χ^2/NDF: 40.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1365703.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

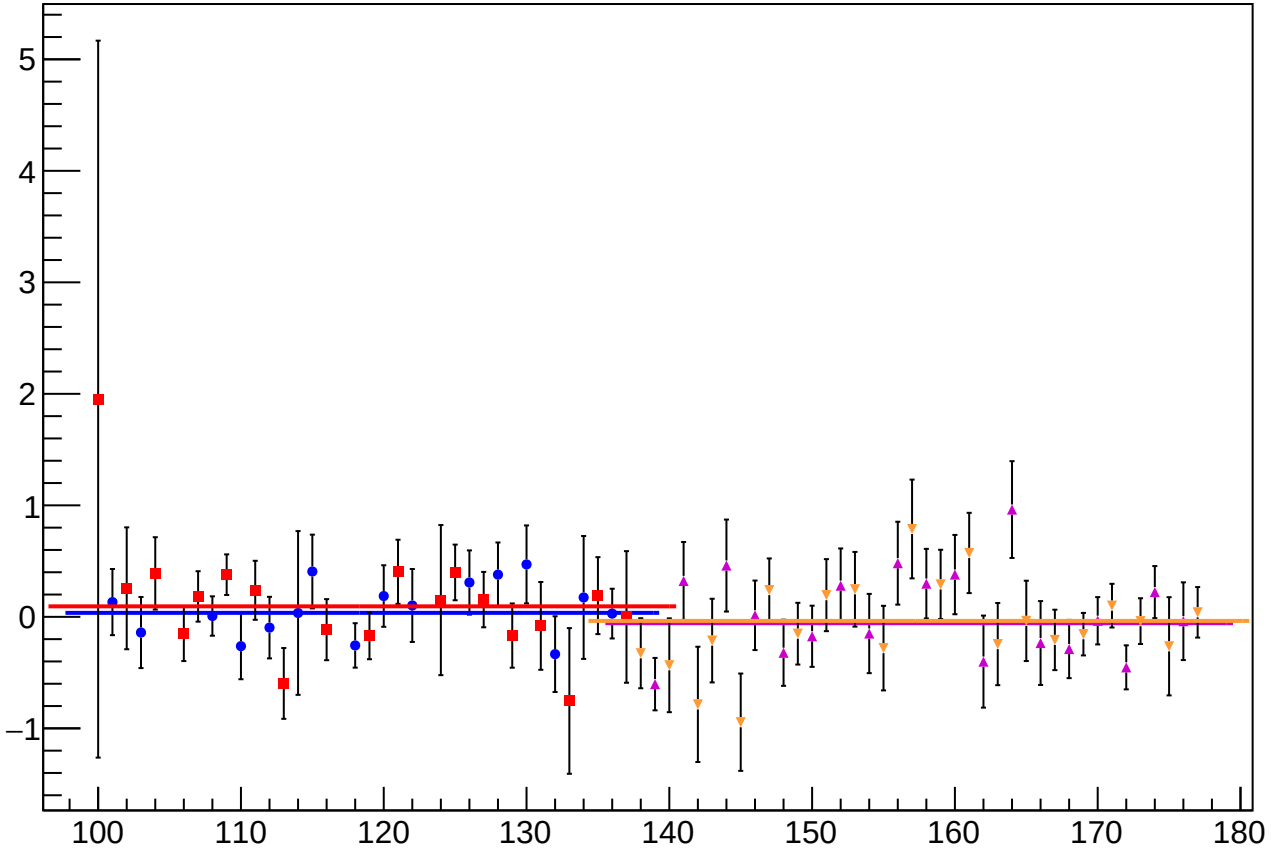
Left In: 0.000+/-0.000 χ^2/NDF:1805229.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 2892227.9/36

All: 0.000+/-0.000 χ^2/NDF: 6851131.1/74

- sign 0.000+/-0.000 χ^2/NDF: 3946734.4/37

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.065 χ^2/NDF:20.6/20

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

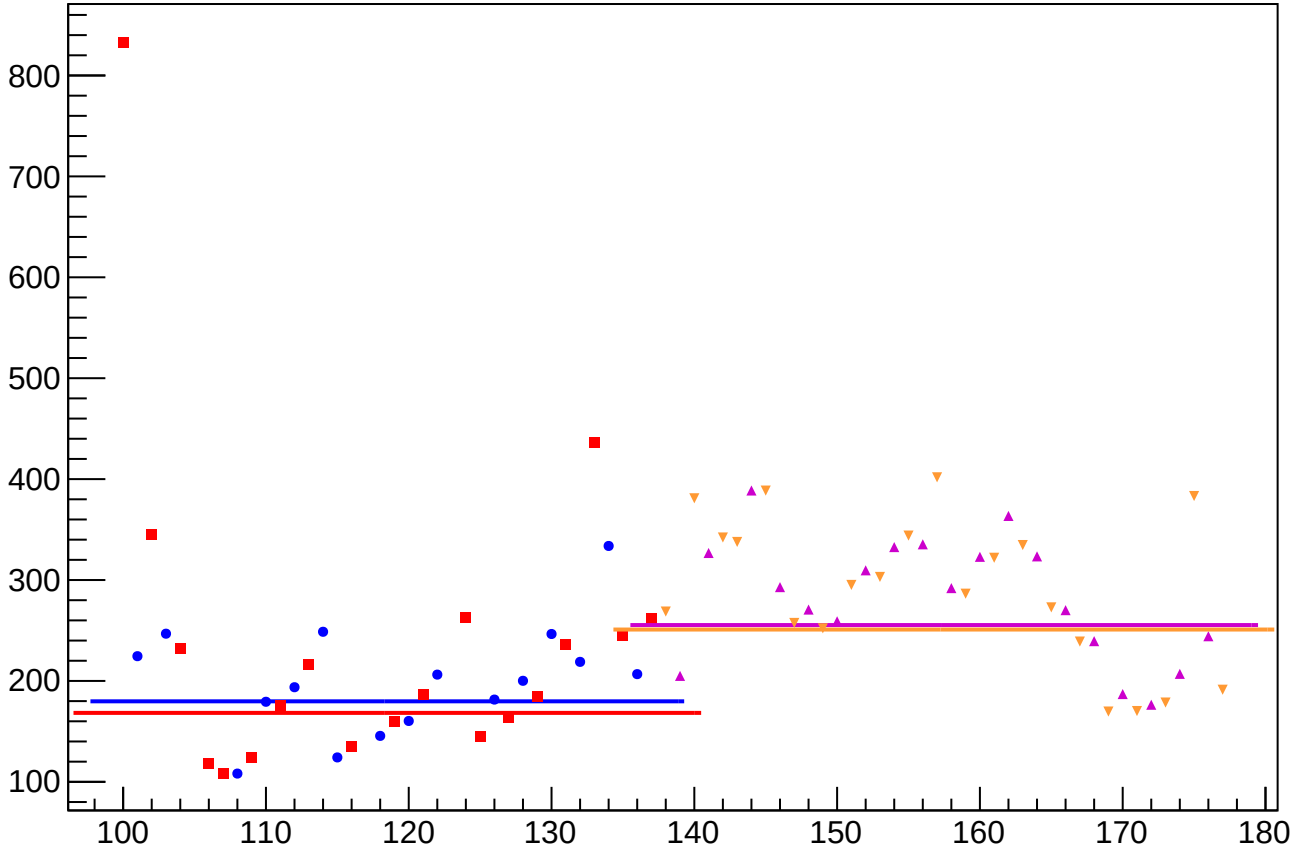
Left In: -0.057+/-0.068 χ^2/NDF:27.8/18

+ sign -0.003+/-0.048 χ^2/NDF: 31.7/36

All: 0.008+/-0.034 χ^2/NDF: 79.7/74

- sign 0.019+/-0.048 χ^2/NDF: 48.0/37

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 250.934+/-0.046 χ^2/NDF:2495856.1/20

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

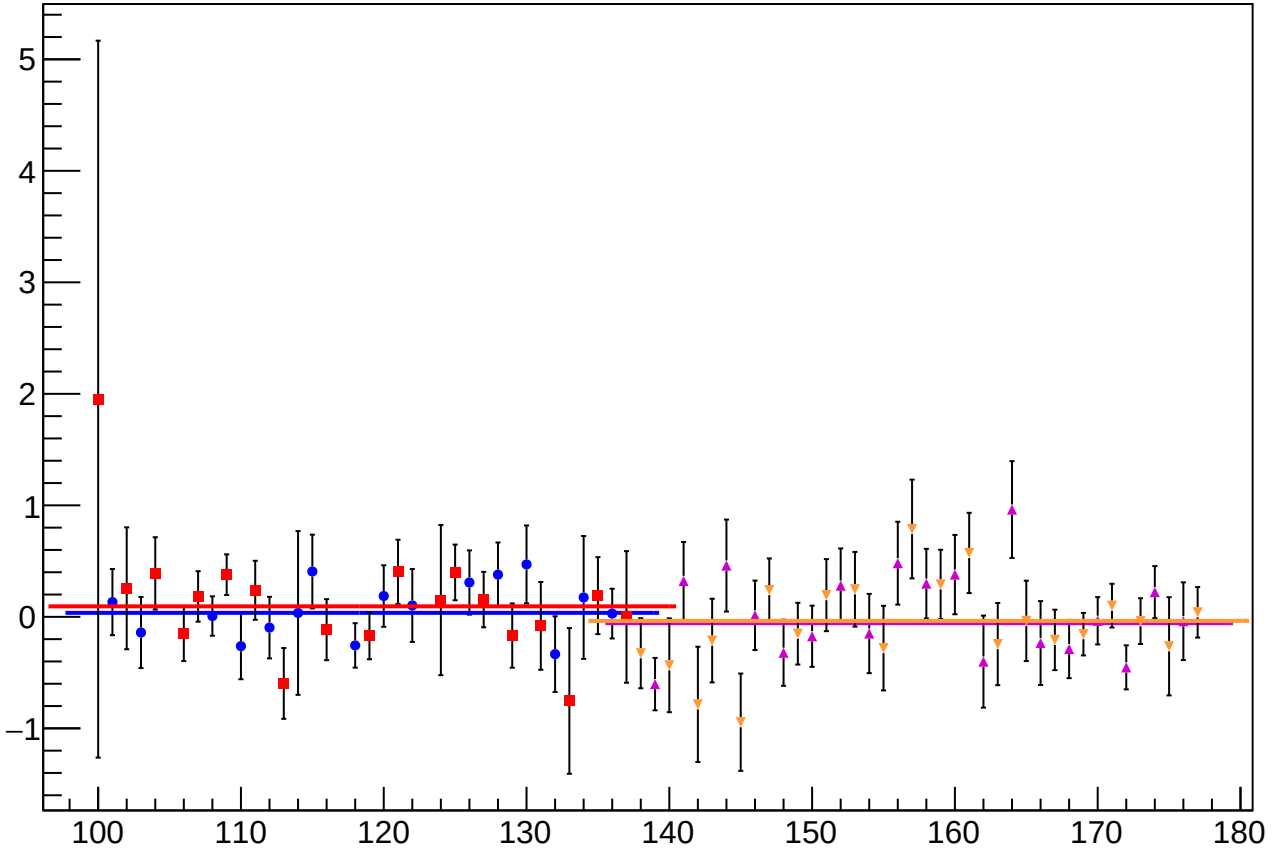
Left In: 255.375+/-0.048 χ^2/NDF:1571676.5/18

+ sign 218.287+/-0.034 χ^2/NDF: 4513762.1/36

All: 214.988+/-0.024 χ^2/NDF: 9163117.9/74

- sign 211.673+/-0.034 χ^2/NDF: 4630261.1/37

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: -0.036+/-0.065 χ^2/NDF:20.6/20

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

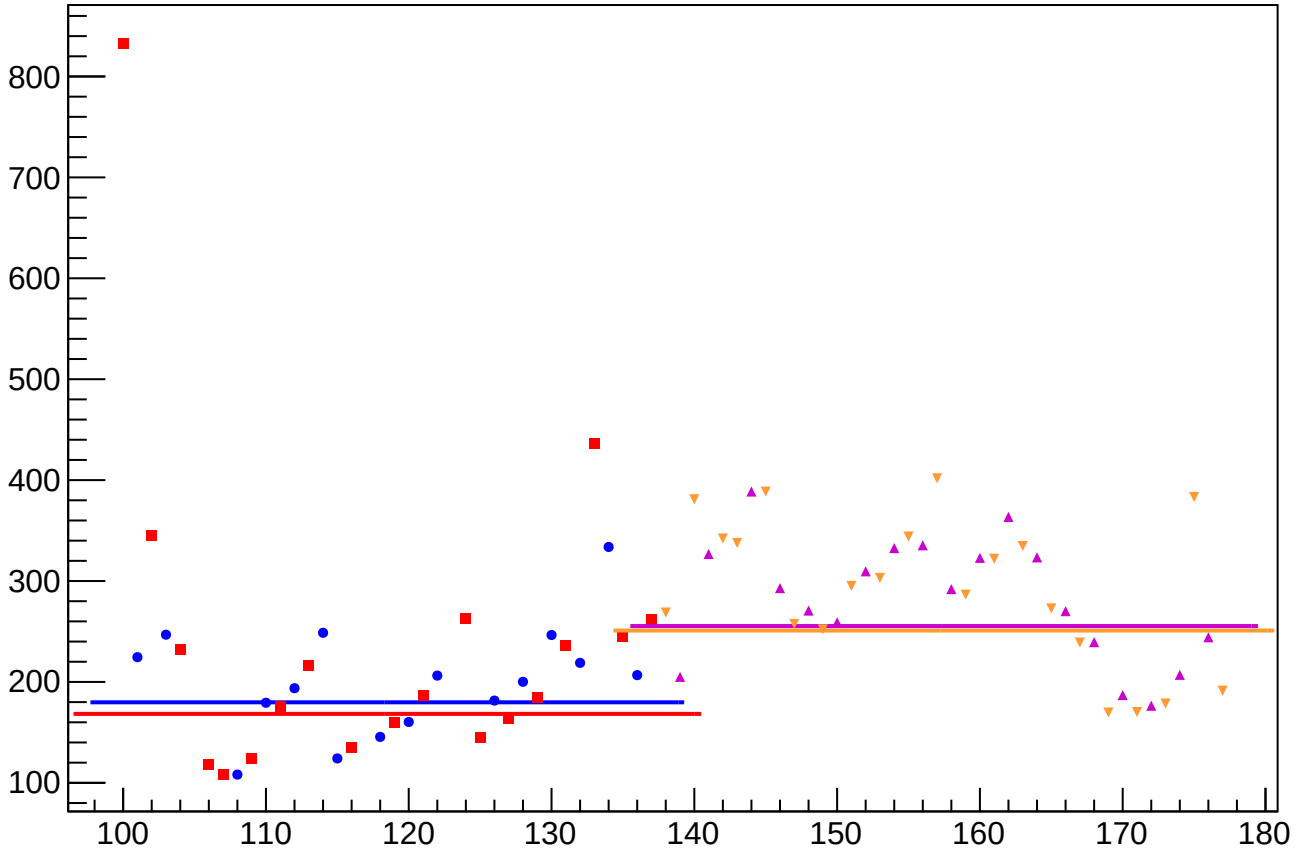
Left In: -0.057+/-0.068 χ^2/NDF:27.8/18

+ sign -0.003+/-0.048 χ^2/NDF: 31.7/36

All: 0.008+/-0.034 χ^2/NDF: 79.7/74

- sign 0.019+/-0.048 χ^2/NDF: 48.0/37

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: 250.934+/-0.046 χ^2/NDF:2495856.1/20

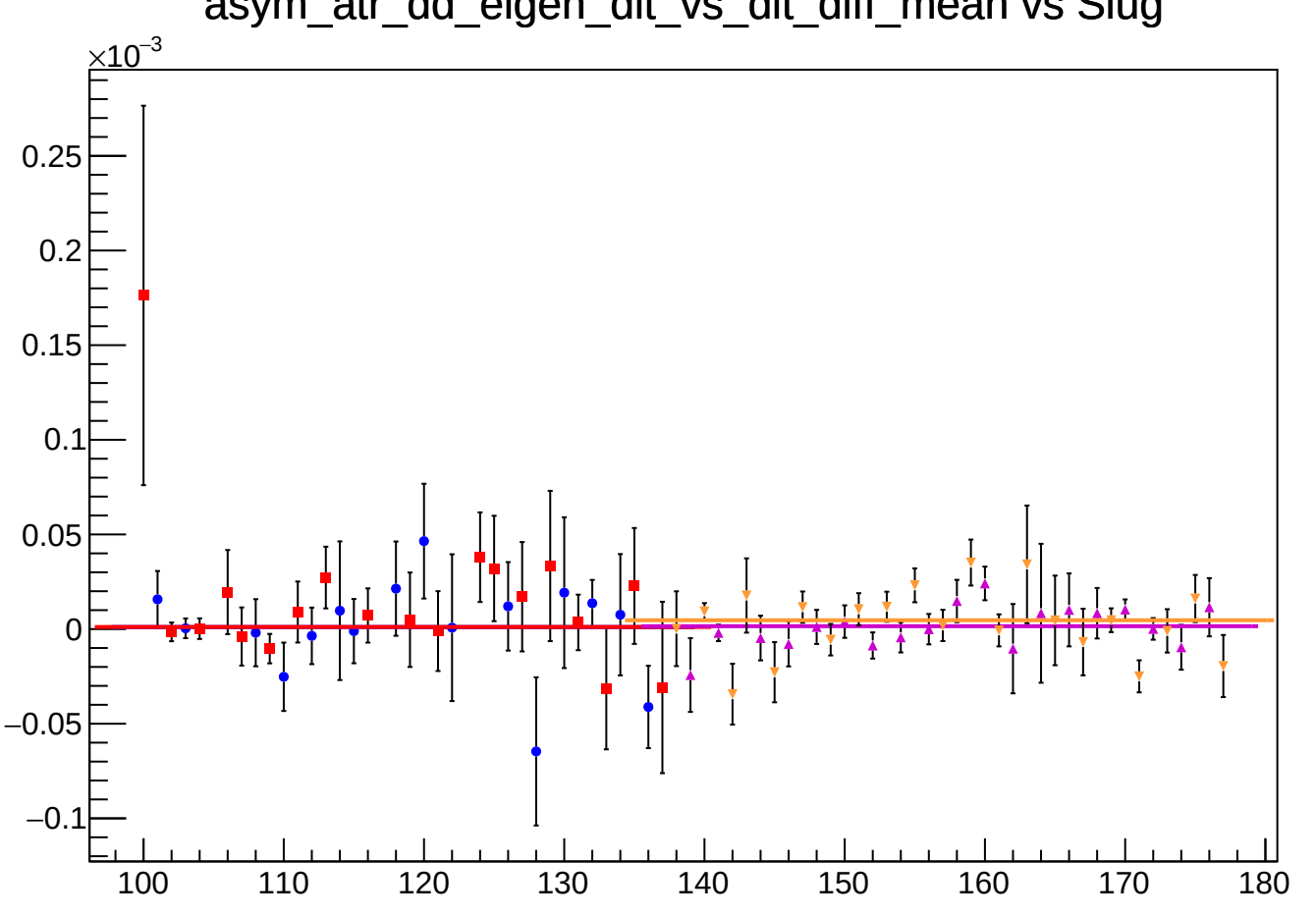
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.375+/-0.048 χ^2/NDF:1571676.5/18

+ sign 218.287+/-0.034 χ^2/NDF: 4513762.1/36

All: 214.988+/-0.024 χ^2/NDF: 9163117.9/74

- sign 211.673+/-0.034 χ^2/NDF: 4630261.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.9/20

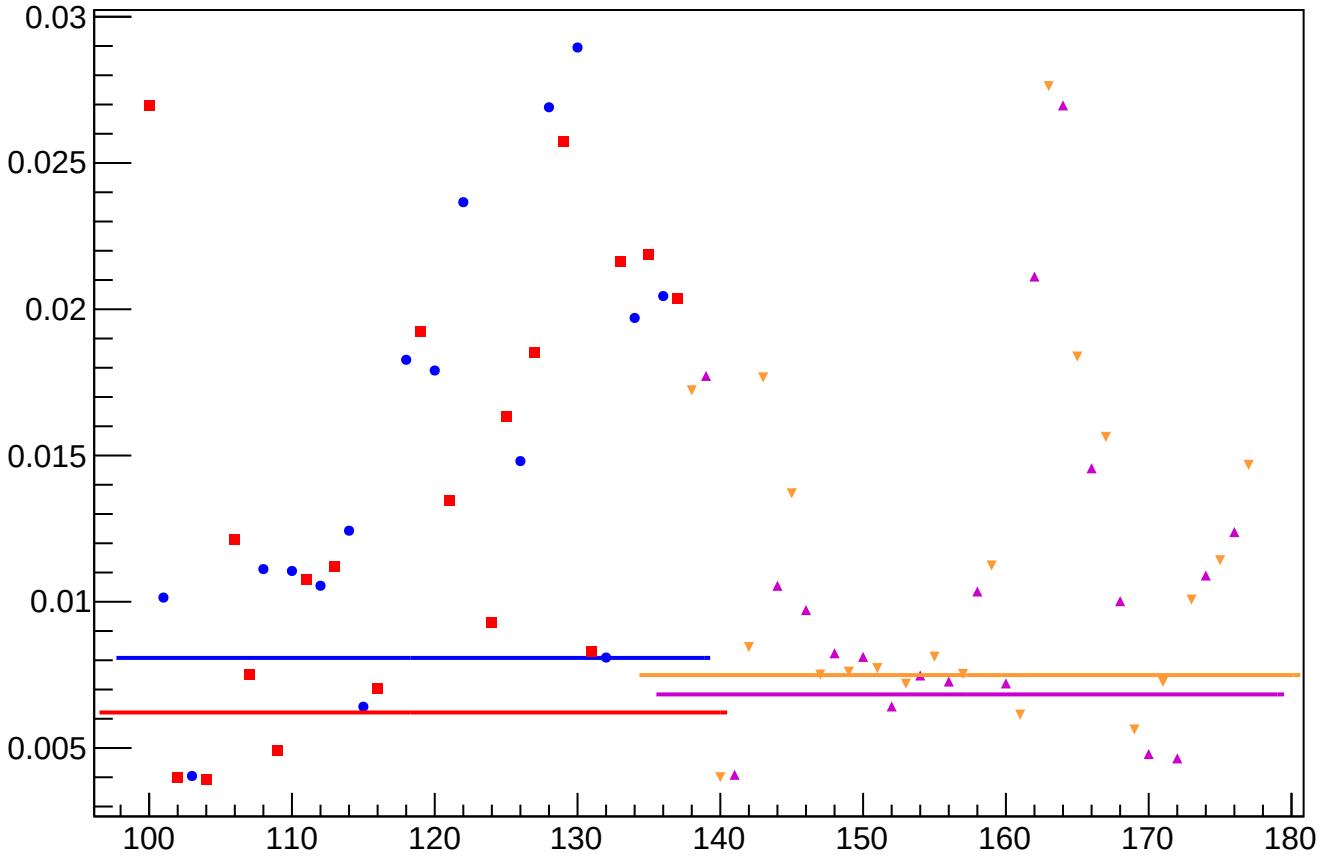
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 56.9/36

All: 0.000+/-0.000 χ^2/NDF: 92.8/74

- sign 0.000+/-0.000 χ^2/NDF: 34.9/37



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:5421773.6/20

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

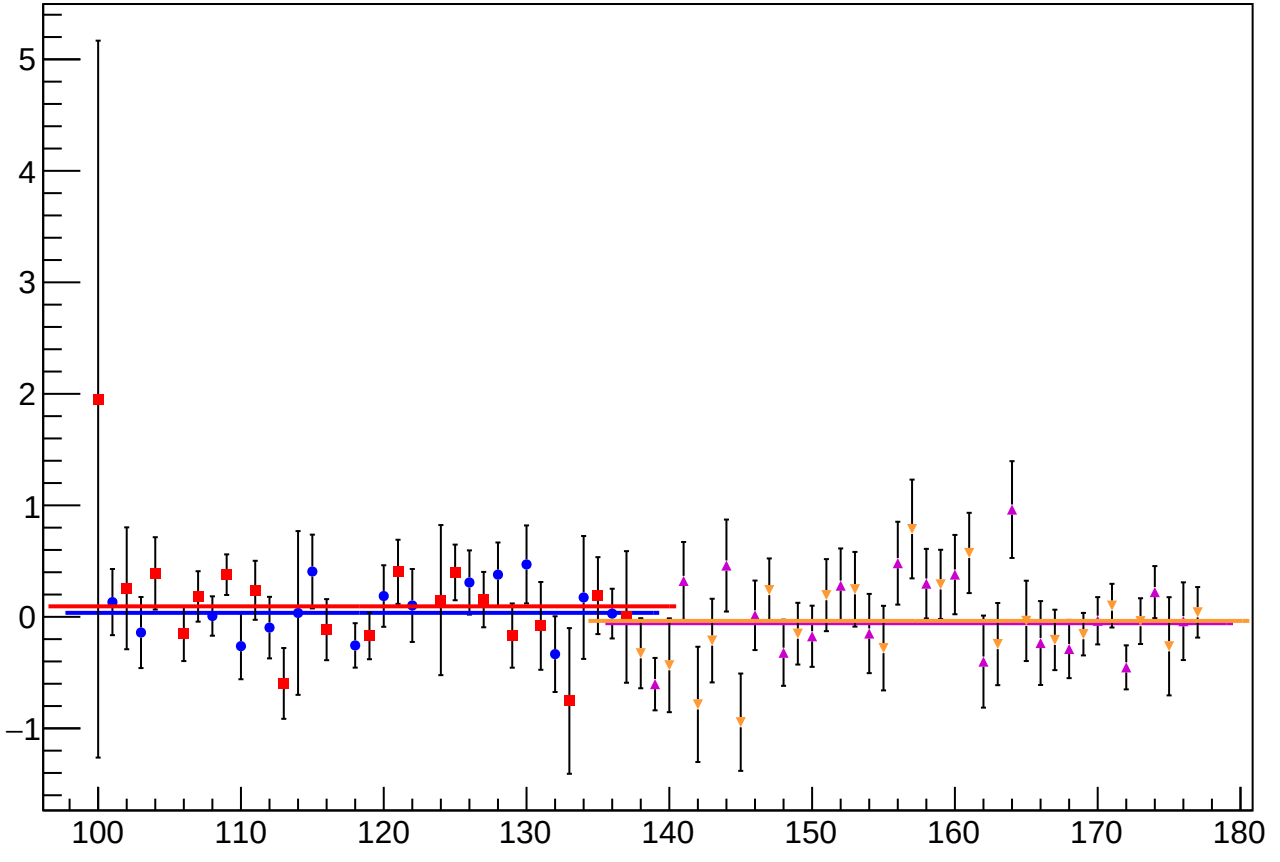
Left In: 0.007+/-0.000 χ^2/NDF:4911678.5/18

+ sign 0.008+/-0.000 χ^2/NDF: 9873526.9/36

All: 0.007+/-0.000 χ^2/NDF: 19753482.9/74

- sign 0.007+/-0.000 χ^2/NDF: 9537241.1/37

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: -0.036+/-0.065 χ^2/NDF:20.6/20

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

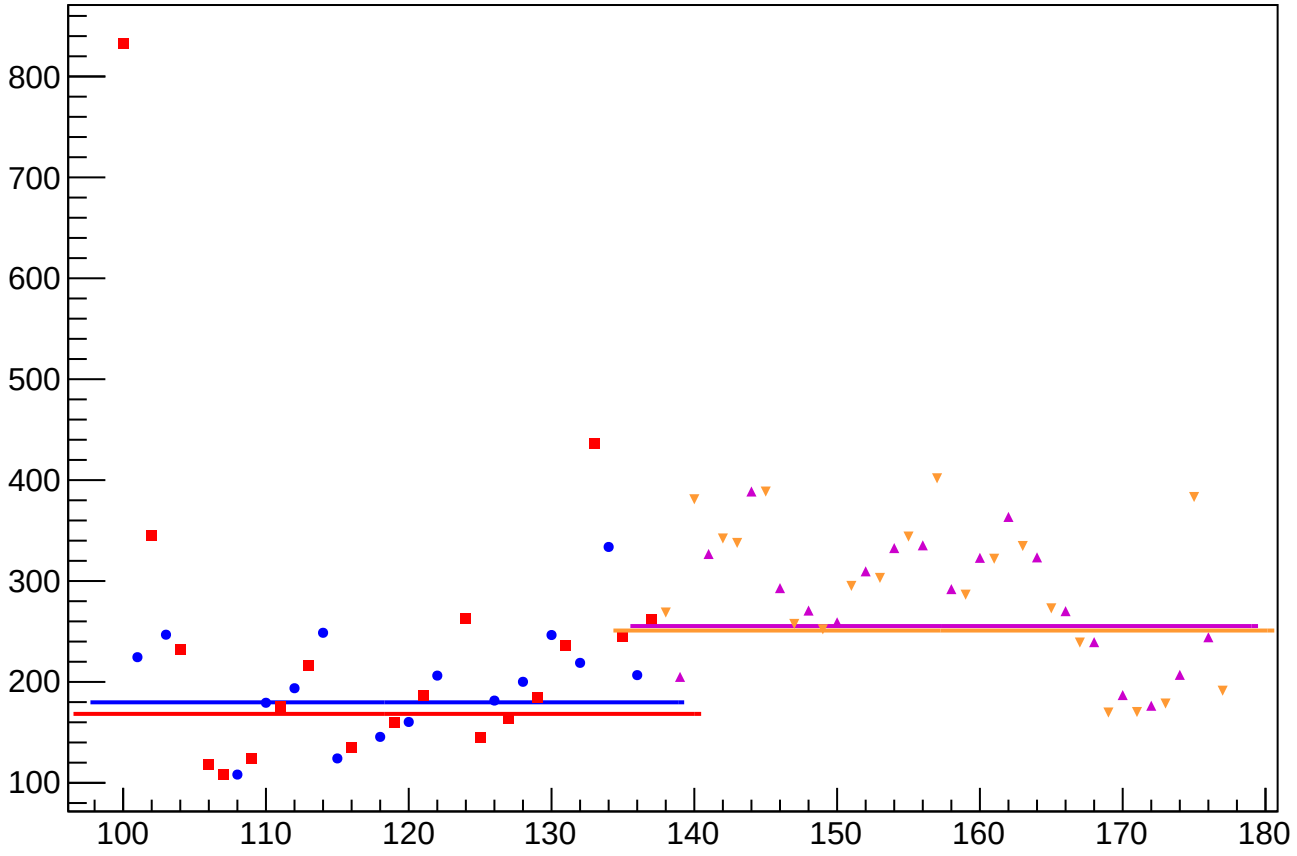
Left In: -0.057+/-0.068 χ^2/NDF:27.8/18

+ sign -0.003+/-0.048 χ^2/NDF: 31.7/36

All: 0.008+/-0.034 χ^2/NDF: 79.7/74

- sign 0.019+/-0.048 χ^2/NDF: 48.0/37

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: 250.936+/-0.046 χ^2/NDF:2495975.7/20

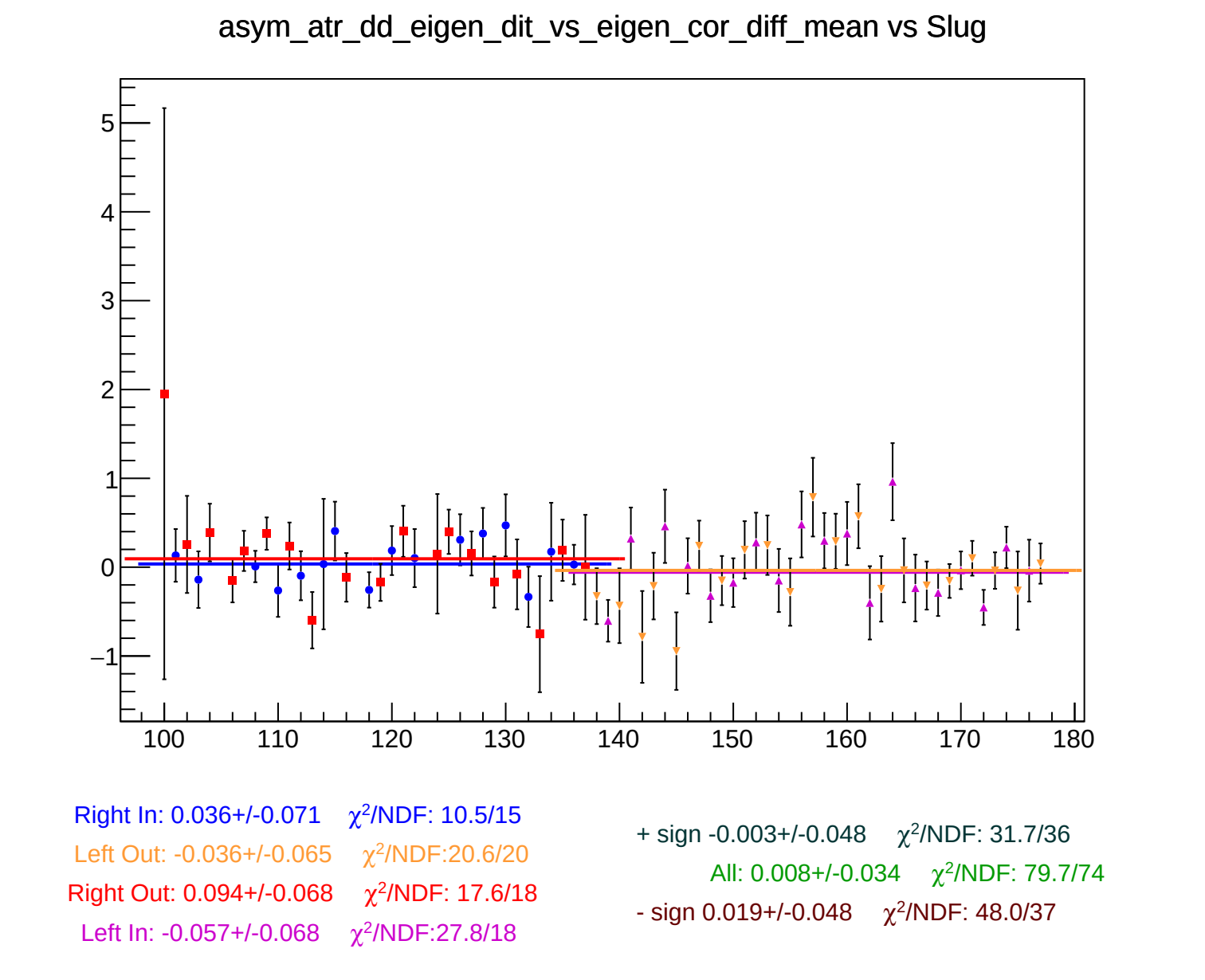
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

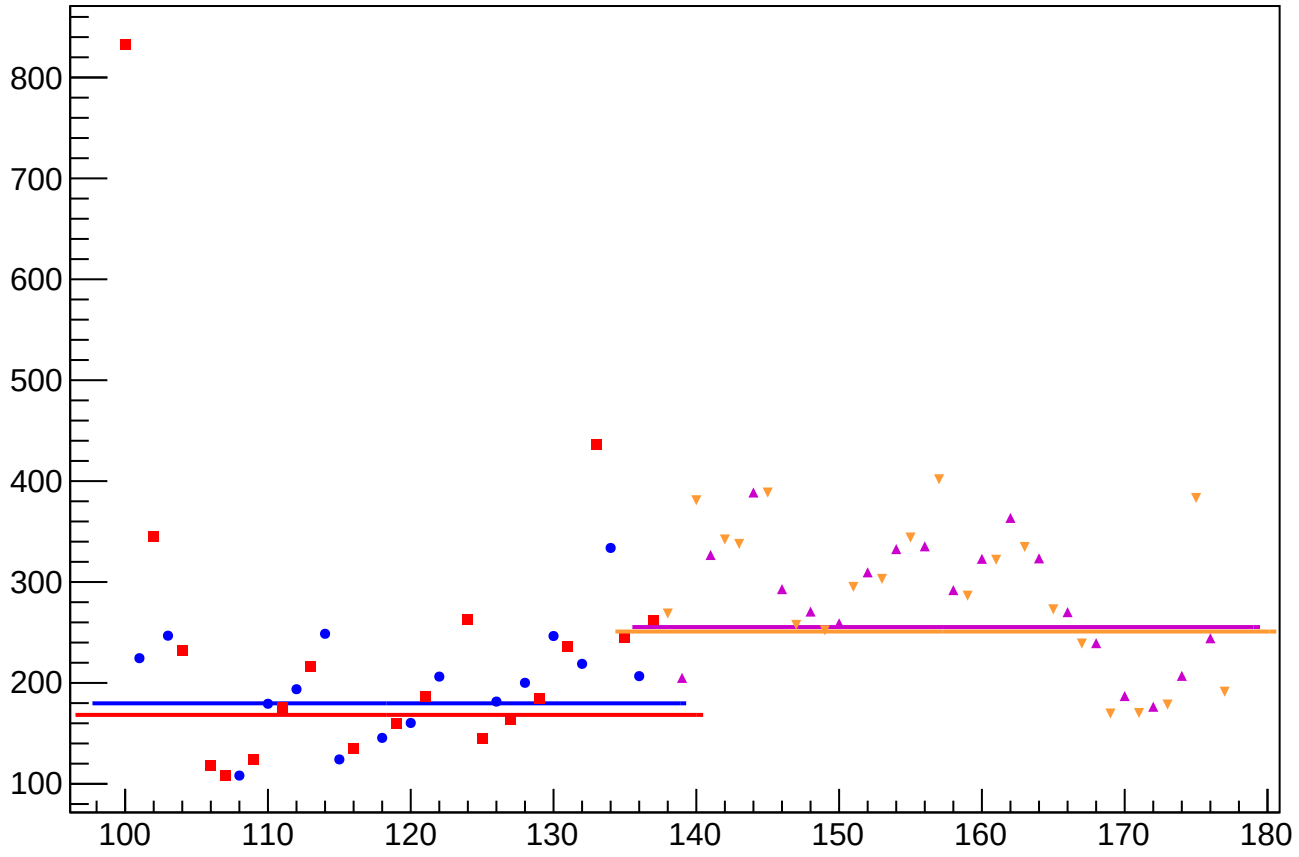
Left In: 255.377+/-0.048 χ^2/NDF:1571730.2/18

+ sign 218.286+/-0.034 χ^2/NDF: 4514064.8/36

All: 214.987+/-0.024 χ^2/NDF: 9163545.6/74

- sign 211.673+/-0.034 χ^2/NDF: 4630395.9/37


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: -0.036+/-0.065 χ²/NDF:20.6/20
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.057+/-0.068 χ²/NDF:27.8/18
+ sign -0.003+/-0.048 χ²/NDF: 31.7/36
All: 0.008+/-0.034 χ²/NDF: 79.7/74
- sign 0.019+/-0.048 χ²/NDF: 48.0/37



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 250.936+/-0.046 χ^2/NDF:2495975.7/20

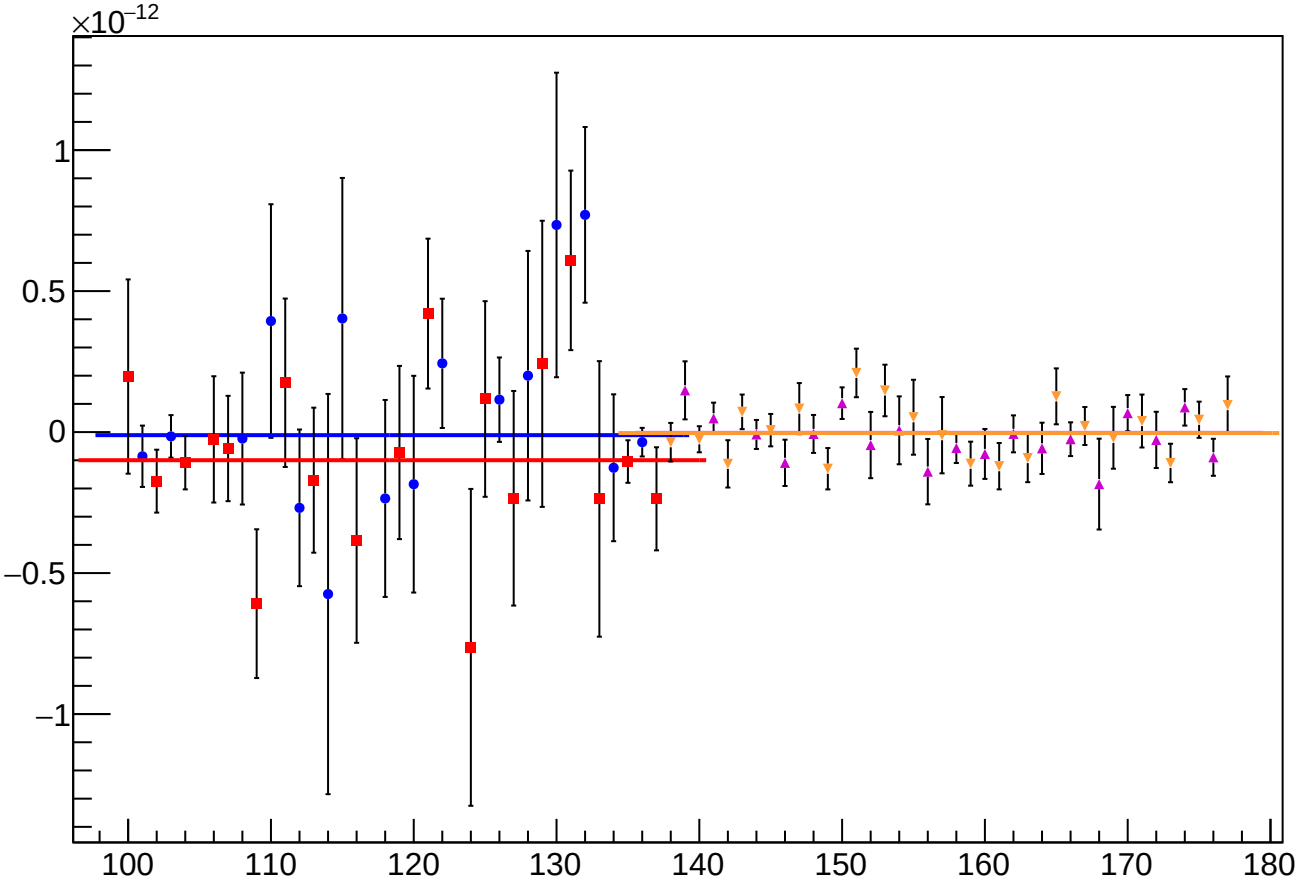
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.377+/-0.048 χ^2/NDF:1571730.2/18

\+ sign 218.286+/-0.034 χ^2/NDF: 4514064.8/36

All: 214.987+/-0.024 χ^2/NDF: 9163545.6/74

\- sign 211.673+/-0.034 χ^2/NDF: 4630395.9/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/20

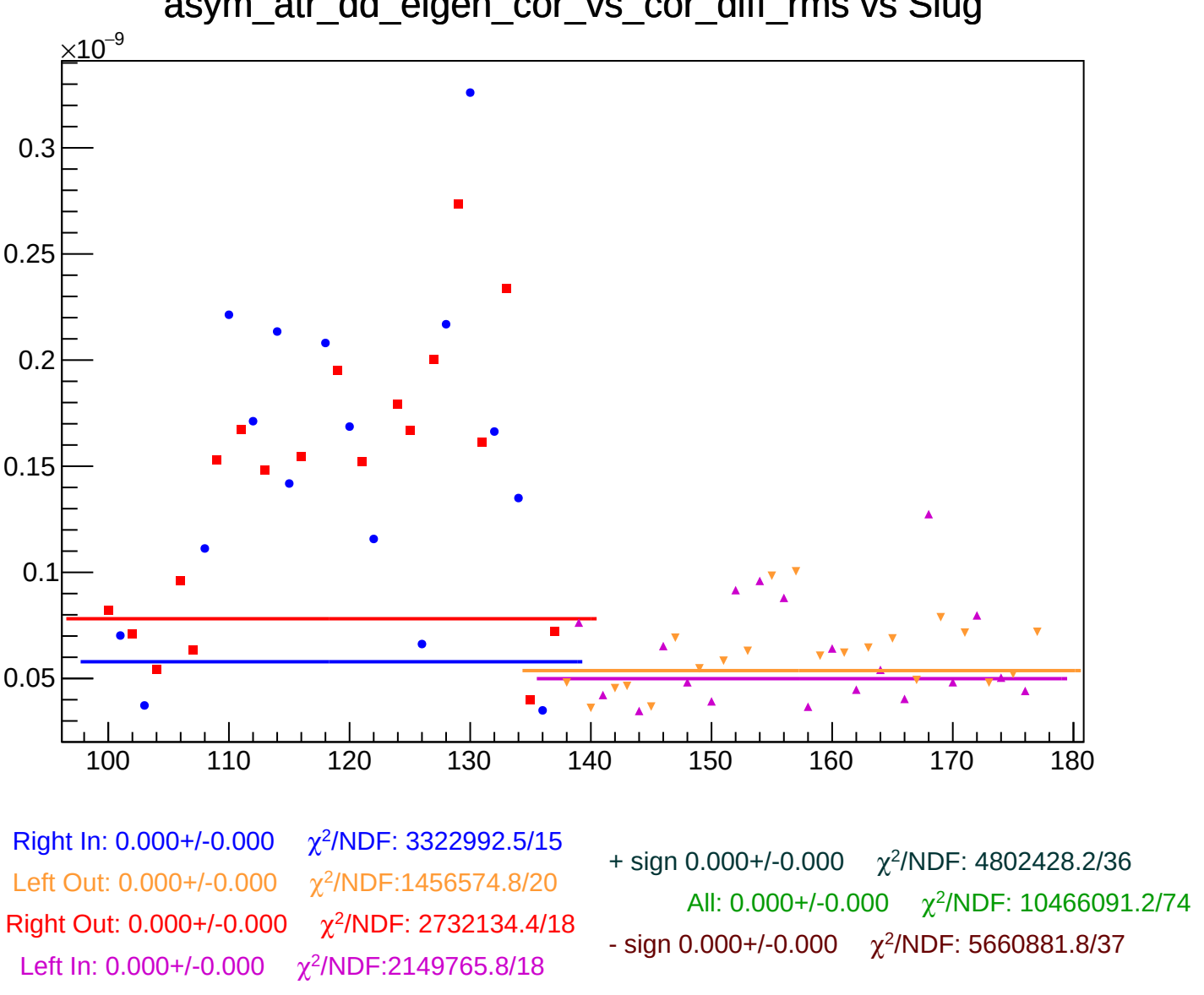
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/18

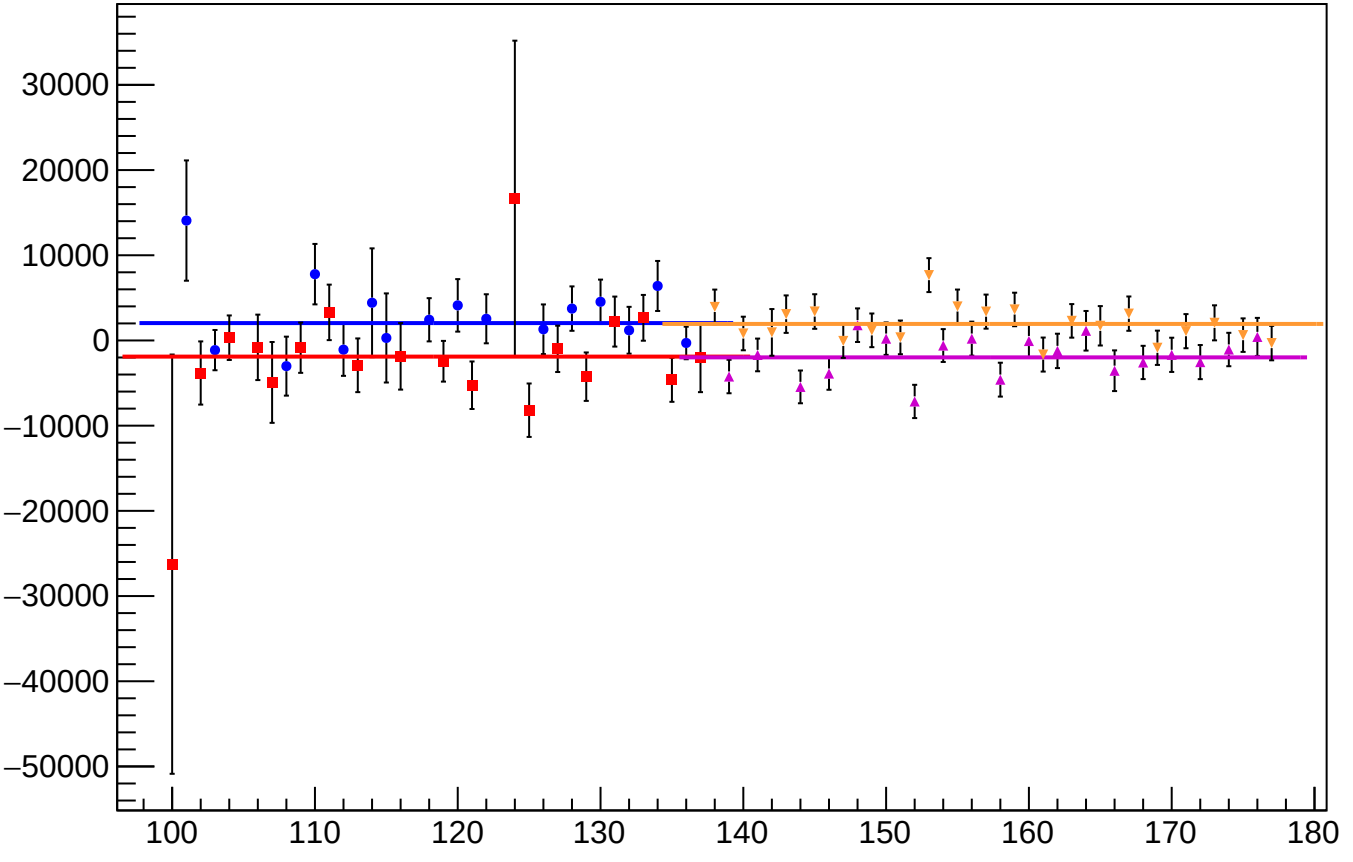
+ sign -0.000+/-0.000 χ^2/NDF: 42.7/36

All: -0.000+/-0.000 χ^2/NDF: 84.2/74

- sign -0.000+/-0.000 χ^2/NDF: 41.2/37


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3322992.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1456574.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 2732134.4/18
Left In: 0.000+/-0.000 χ²/NDF:2149765.8/18
+ sign 0.000+/-0.000 χ²/NDF: 4802428.2/36
All: 0.000+/-0.000 χ²/NDF: 10466091.2/74
- sign 0.000+/-0.000 χ²/NDF: 5660881.8/37

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1939.644+/-445.480 χ^2/NDF:22.0/20

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

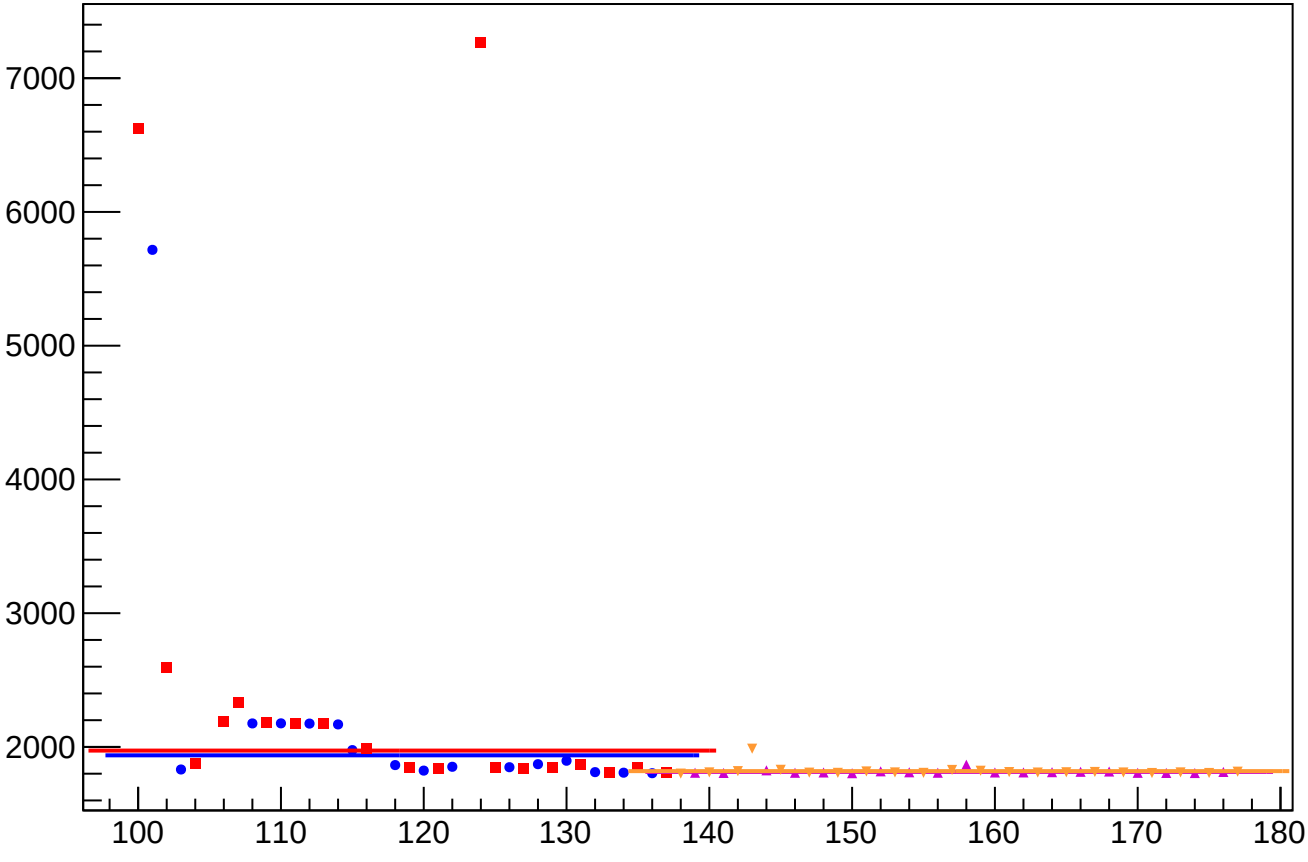
Left In: -1985.048+/-459.949 χ^2/NDF:26.0/18

+ sign 1966.329+/-381.136 χ^2/NDF: 38.5/36

All: 49.167+/-272.639 χ^2/NDF: 134.8/74

- sign -1959.863+/-390.161 χ^2/NDF: 44.5/37

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.187+/-0.315 χ^2/NDF:12654.7/20

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

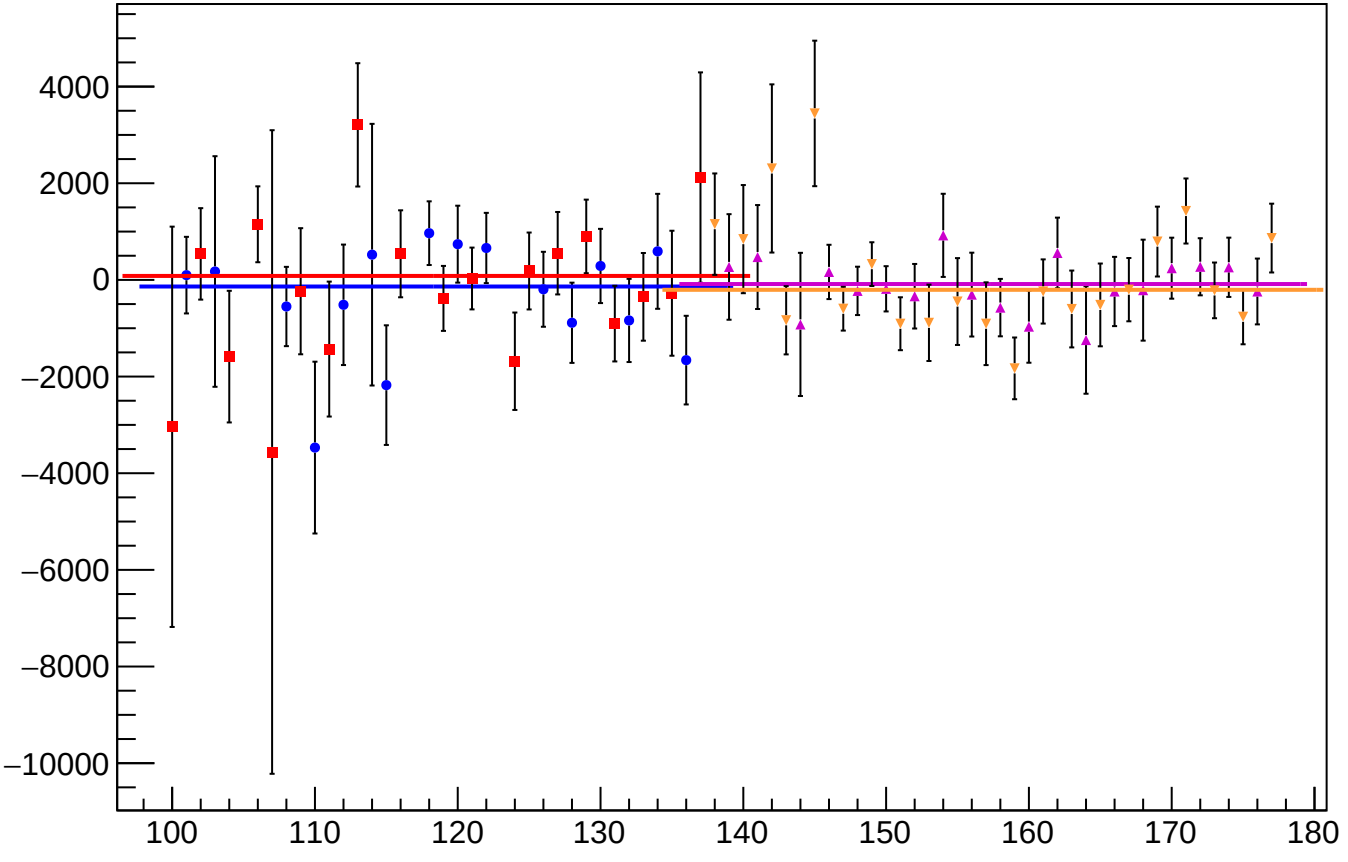
Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

+ sign 1850.829+/-0.270 χ^2/NDF: 688397.5/36

All: 1854.315+/-0.193 χ^2/NDF: 1135574.3/74

- sign 1857.968+/-0.276 χ^2/NDF: 446834.2/37

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -205.024+/-150.786 χ^2/NDF:34.4/20

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

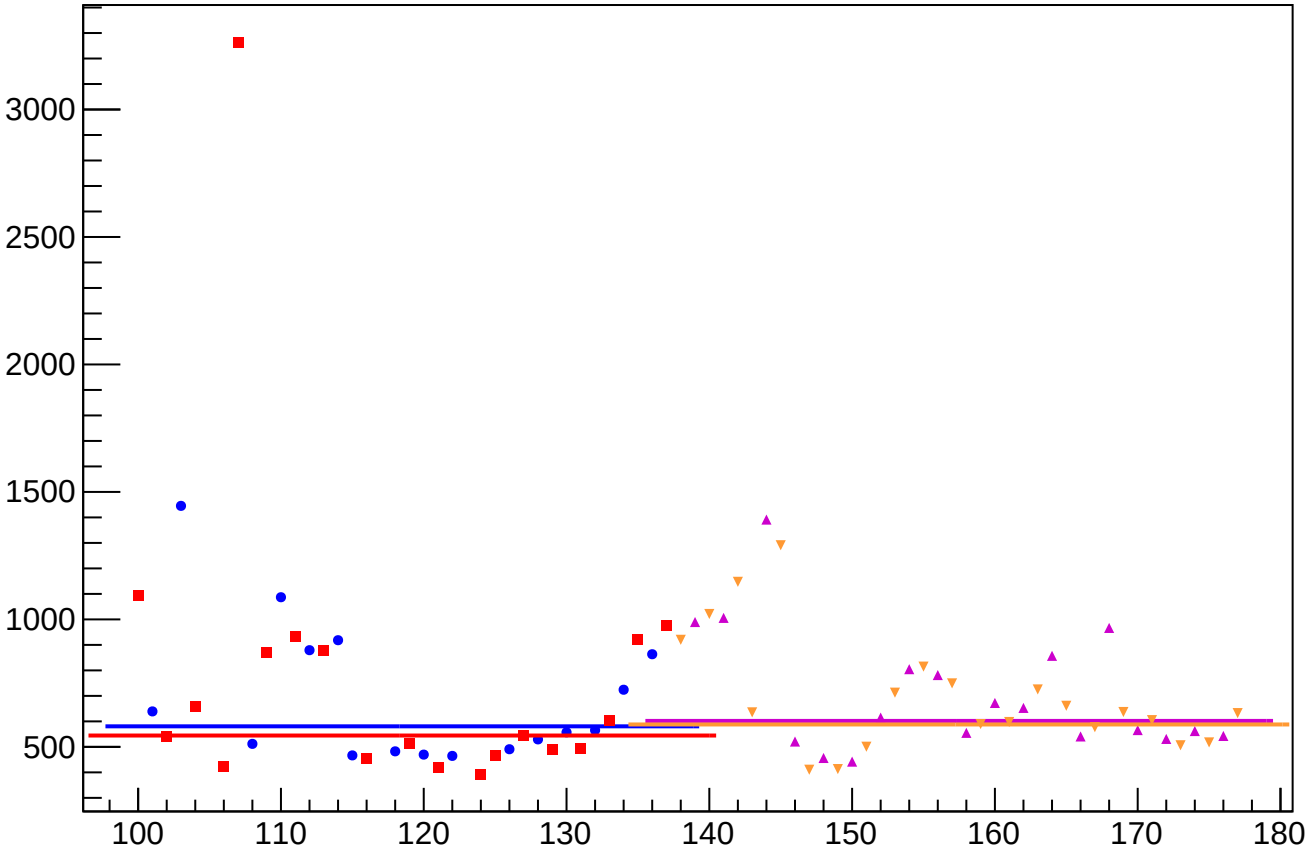
Left In: -85.425+/-159.791 χ^2/NDF:7.6/18

+ sign -184.522+/-126.173 χ^2/NDF: 51.4/36

All: -108.508+/-90.437 χ^2/NDF: 79.8/74

- sign -28.192+/-129.693 χ^2/NDF: 27.7/37

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 587.895+/-0.107 χ^2/NDF:2222567.7/20

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

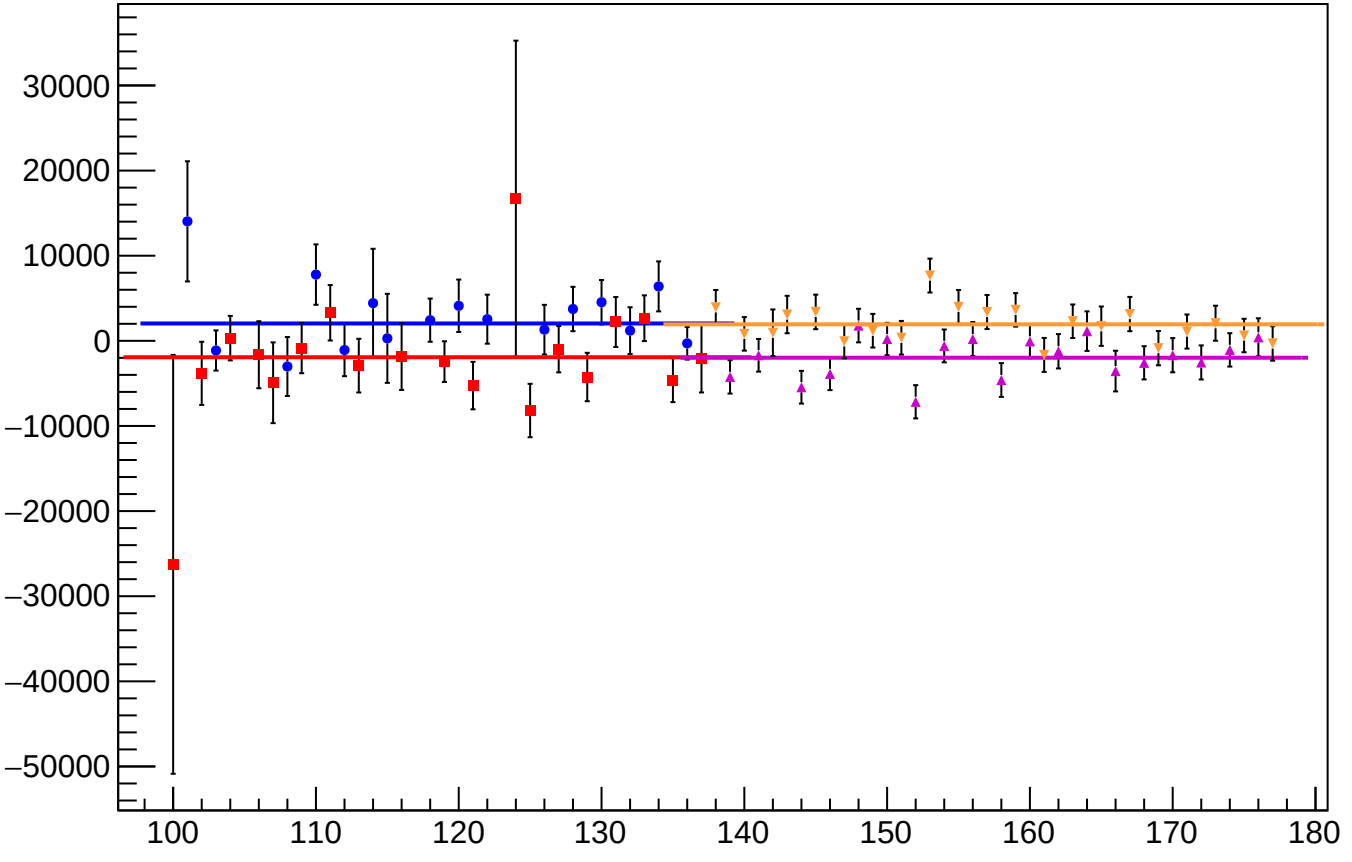
Left In: 601.812+/-0.113 χ^2/NDF:2206210.1/18

+ sign 585.711+/-0.089 χ^2/NDF: 3227377.7/36

All: 584.036+/-0.064 χ^2/NDF: 6809658.4/74

- sign 582.265+/-0.092 χ^2/NDF: 3581555.4/37

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1939.618+/-445.480 χ^2/NDF:22.1/20

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

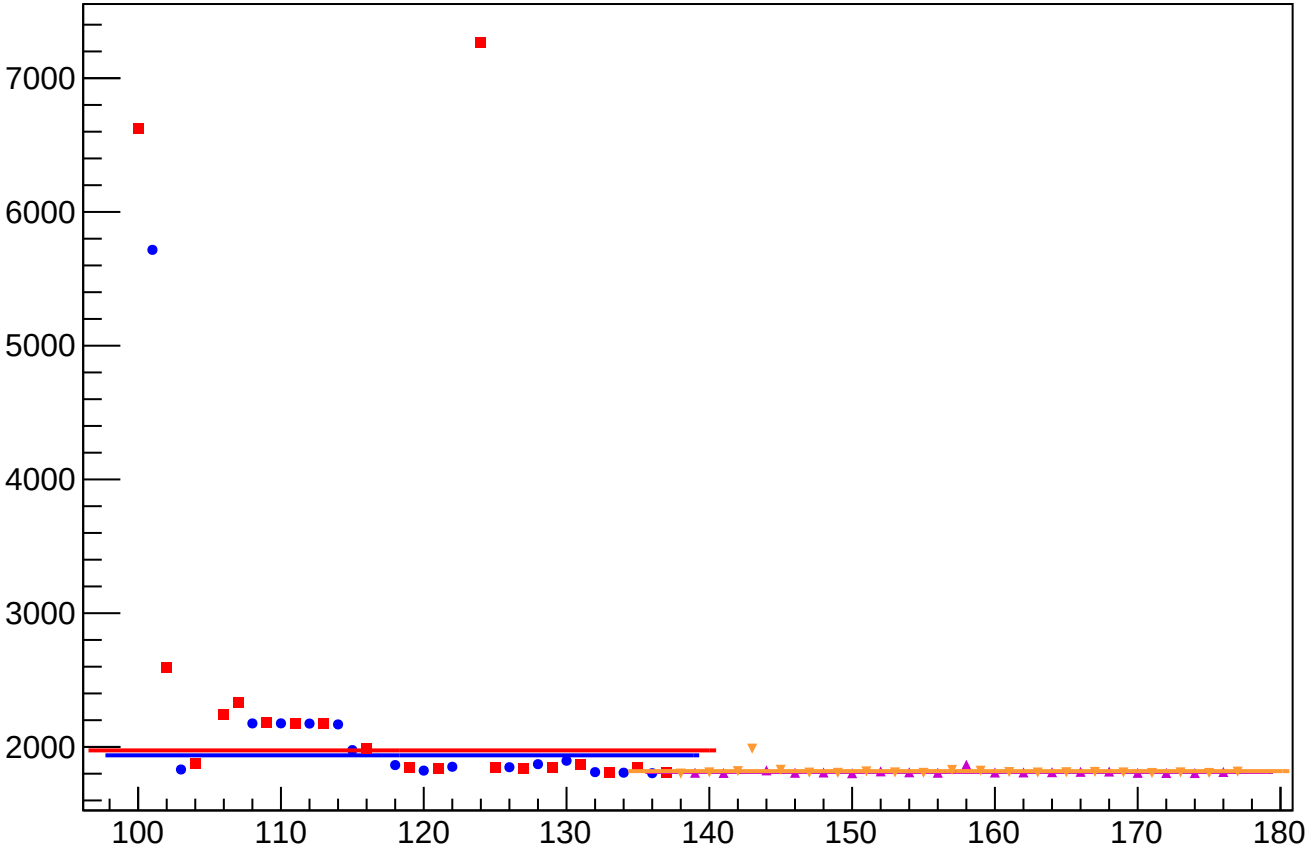
Left In: -1985.120+/-459.949 χ^2/NDF:26.0/18

+ sign 1966.211+/-381.136 χ^2/NDF: 38.5/36

All: 45.308+/-272.672 χ^2/NDF: 134.9/74

- sign -1968.636+/-390.257 χ^2/NDF: 44.4/37

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.187+/-0.315 χ^2/NDF:12654.7/20

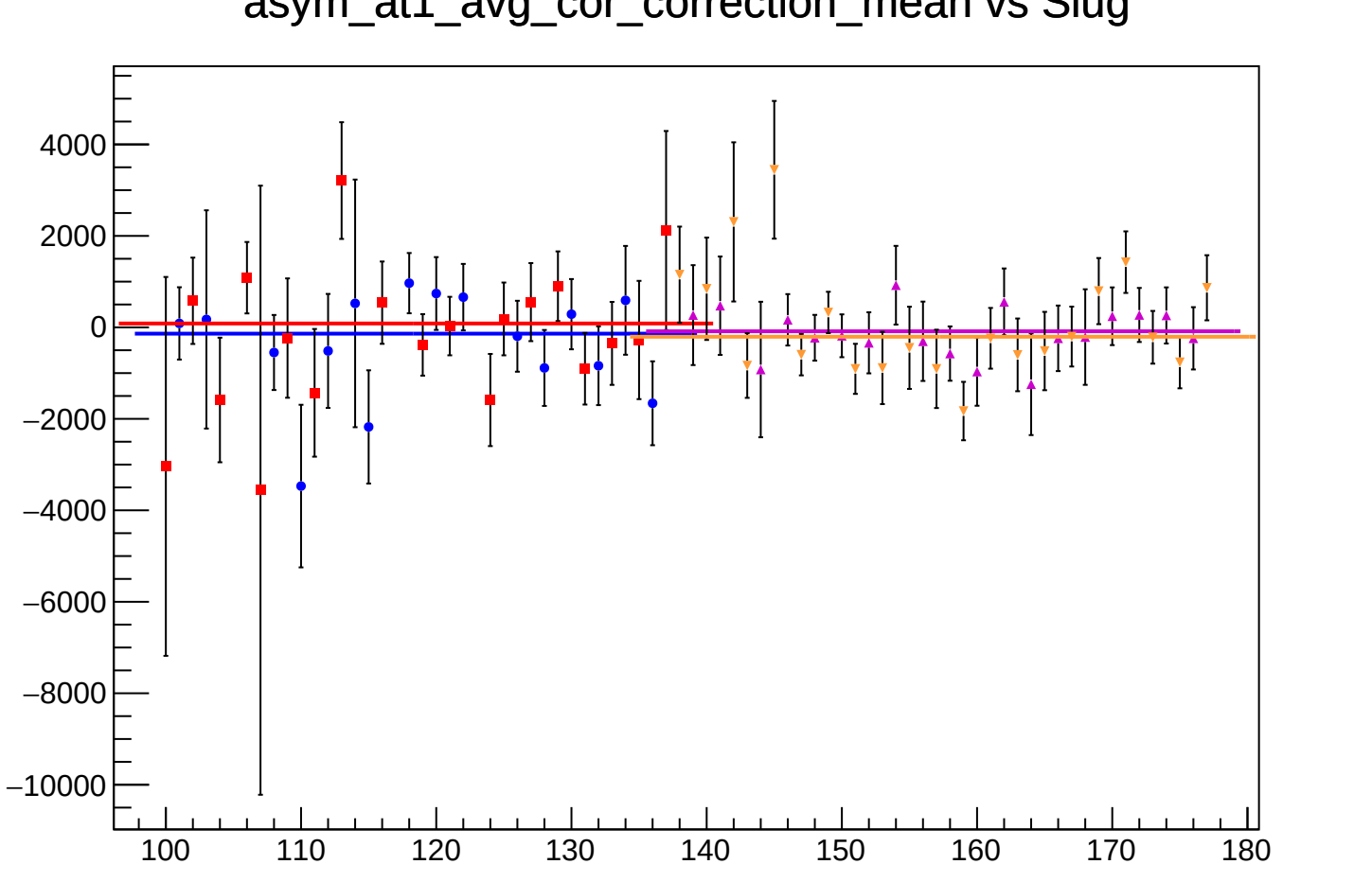
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

+ sign 1850.829+/-0.270 χ^2/NDF: 688397.5/36

All: 1854.477+/-0.193 χ^2/NDF: 1139598.4/74

- sign 1858.302+/-0.276 χ^2/NDF: 450825.7/37



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -205.093+/-150.786 χ^2/NDF:34.4/20

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

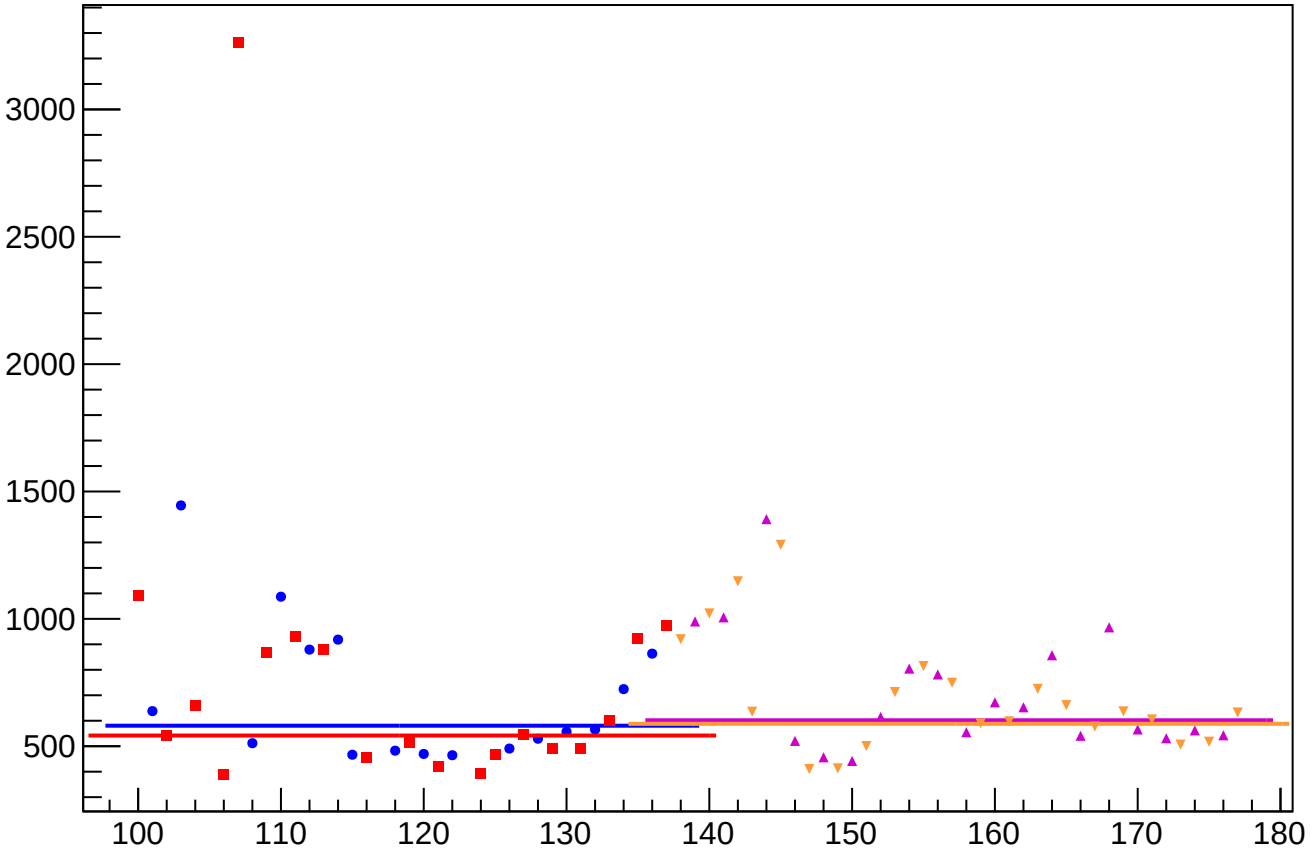
Left In: -85.485+/-159.793 χ^2/NDF:7.6/18

+ sign -184.819+/-126.165 χ^2/NDF: 51.4/36

All: -108.205+/-90.425 χ^2/NDF: 79.4/74

- sign -27.279+/-129.667 χ^2/NDF: 27.3/37

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 587.893+/-0.107 χ^2/NDF:2222687.0/20

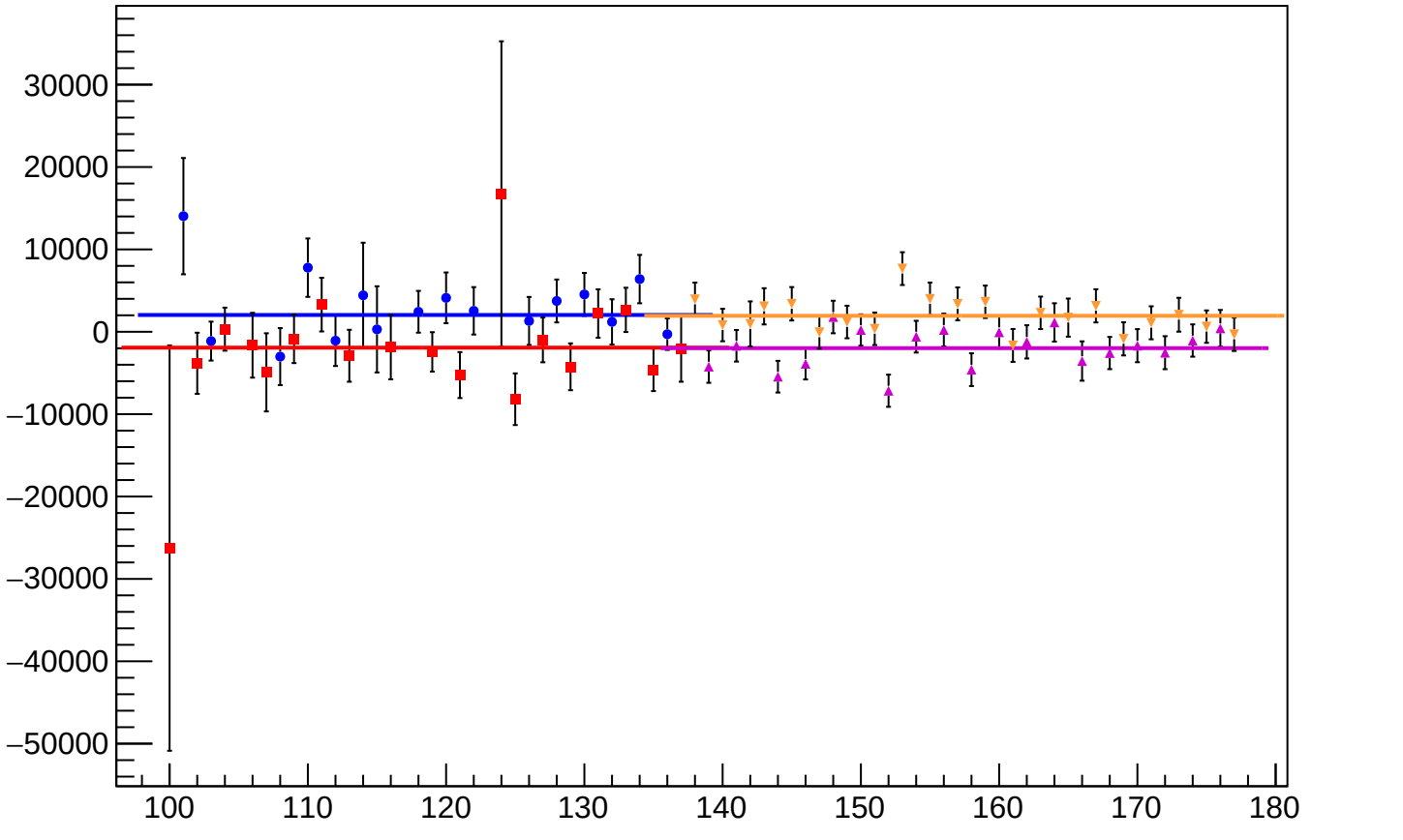
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 601.818+/-0.113 χ^2/NDF:2206242.0/18

+ sign 585.681+/-0.089 χ^2/NDF: 3227021.9/36

All: 583.584+/-0.064 χ^2/NDF: 6849166.6/74

- sign 581.368+/-0.092 χ^2/NDF: 3621008.0/37



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1939.618+/-445.480 χ^2/NDF:22.1/20

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

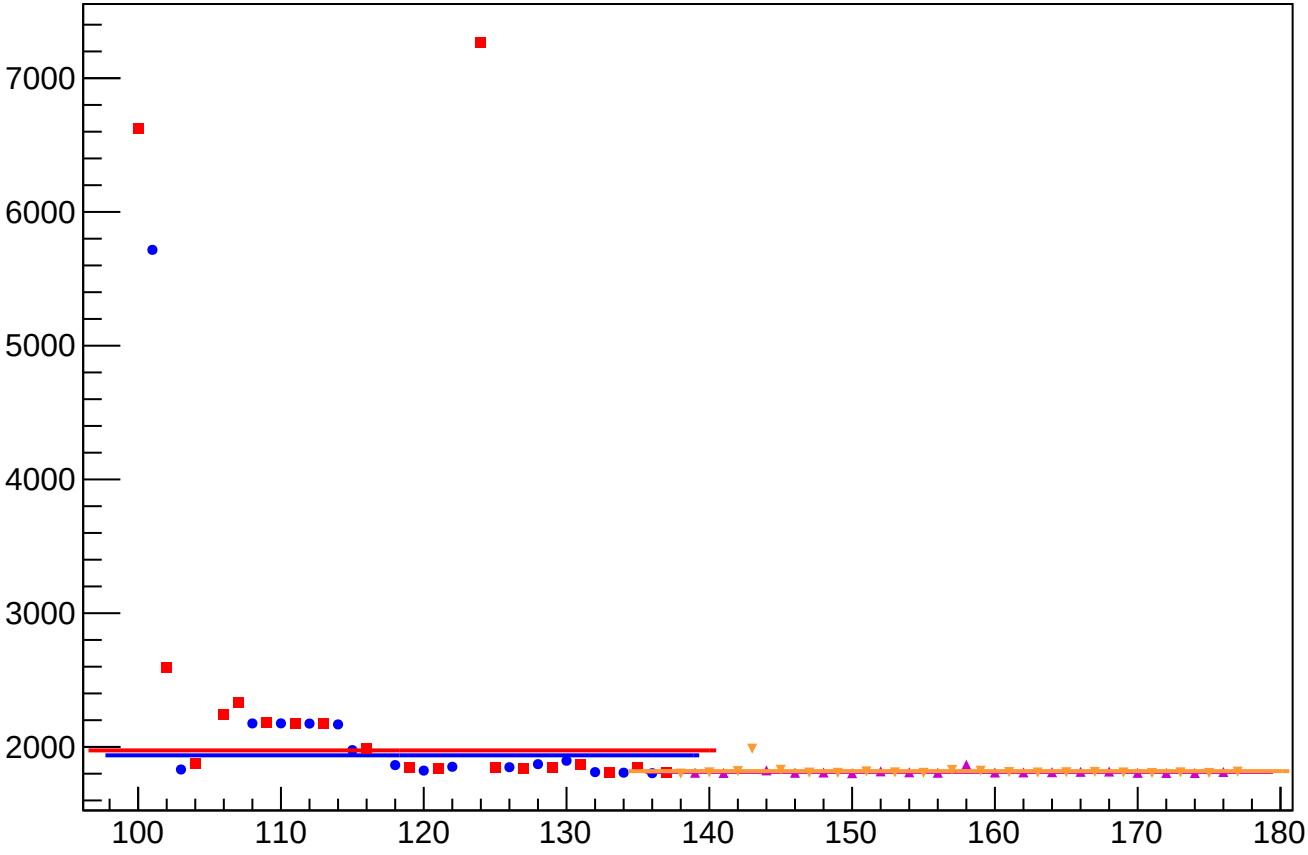
Left In: -1985.120+/-459.949 χ^2/NDF:26.0/18

+ sign 1966.211+/-381.136 χ^2/NDF: 38.5/36

All: 45.308+/-272.672 χ^2/NDF: 134.9/74

- sign -1968.636+/-390.257 χ^2/NDF: 44.4/37

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.187+/-0.315 χ^2/NDF:12654.7/20

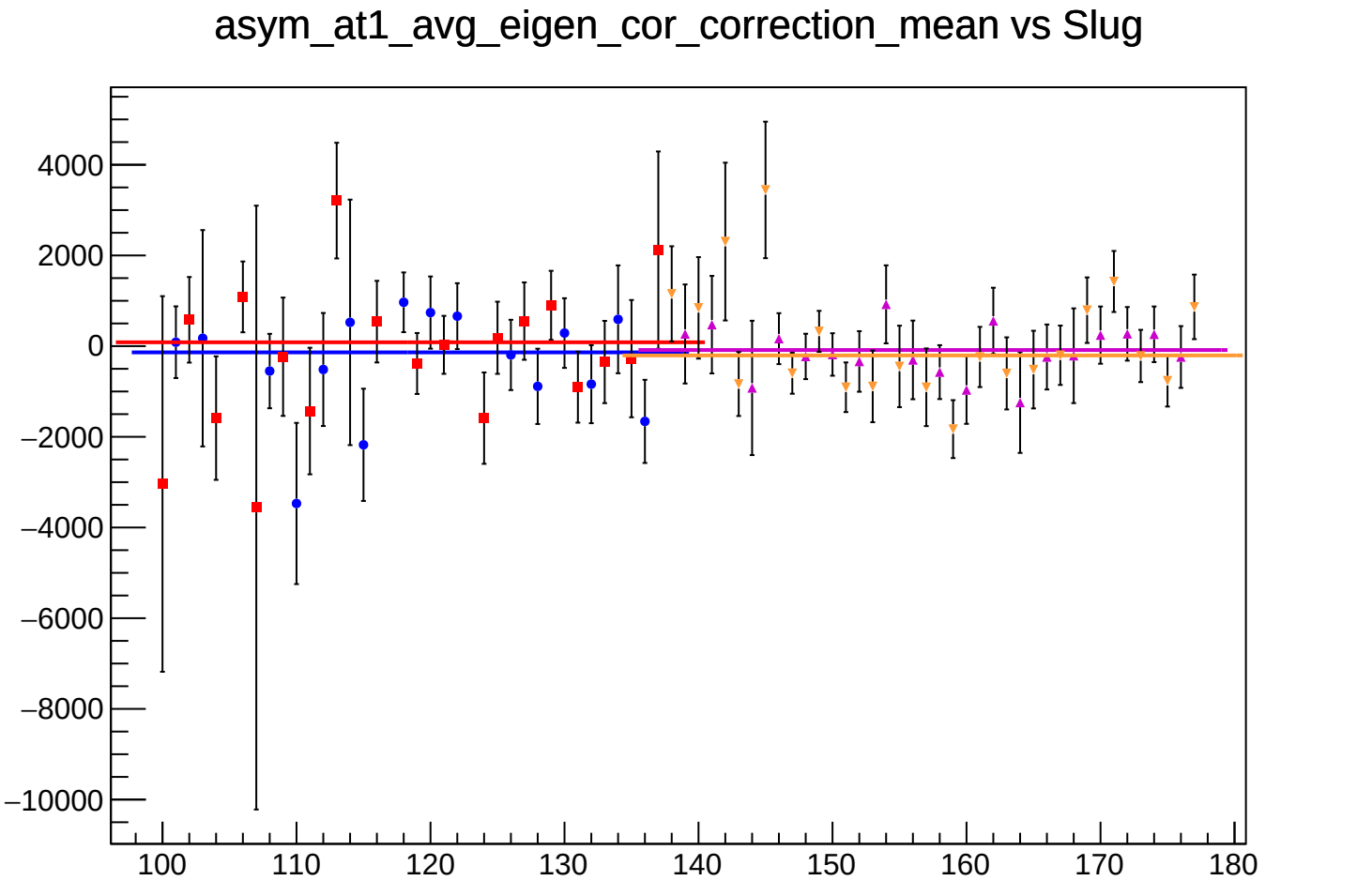
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

+ sign 1850.829+/-0.270 χ^2/NDF: 688397.5/36

All: 1854.477+/-0.193 χ^2/NDF: 1139598.4/74

- sign 1858.302+/-0.276 χ^2/NDF: 450825.7/37



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -205.093+/-150.786 χ^2/NDF:34.4/20

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

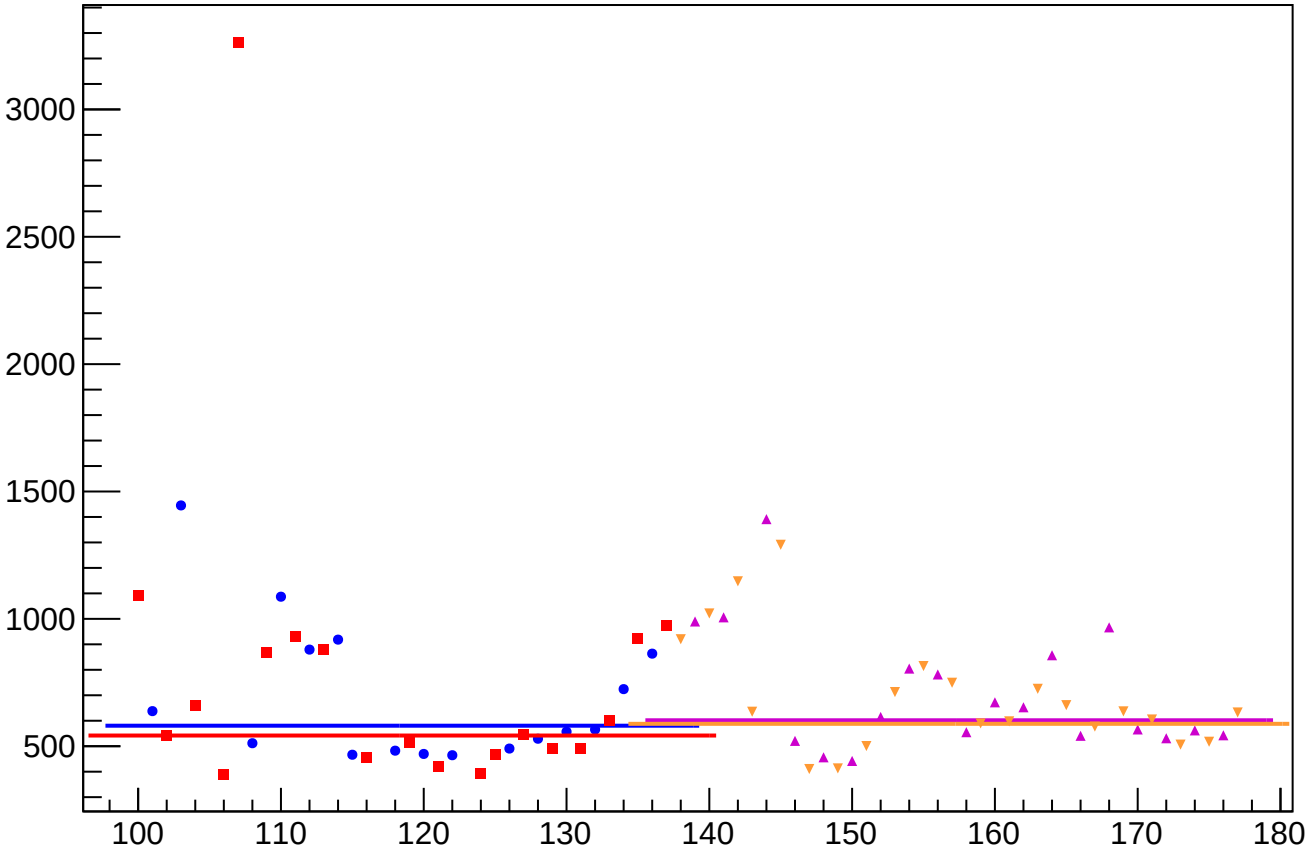
Left In: -85.485+/-159.793 χ^2/NDF:7.6/18

+ sign -184.819+/-126.165 χ^2/NDF: 51.4/36

All: -108.205+/-90.425 χ^2/NDF: 79.4/74

- sign -27.279+/-129.667 χ^2/NDF: 27.3/37

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 587.893+/-0.107 χ^2/NDF:2222687.0/20

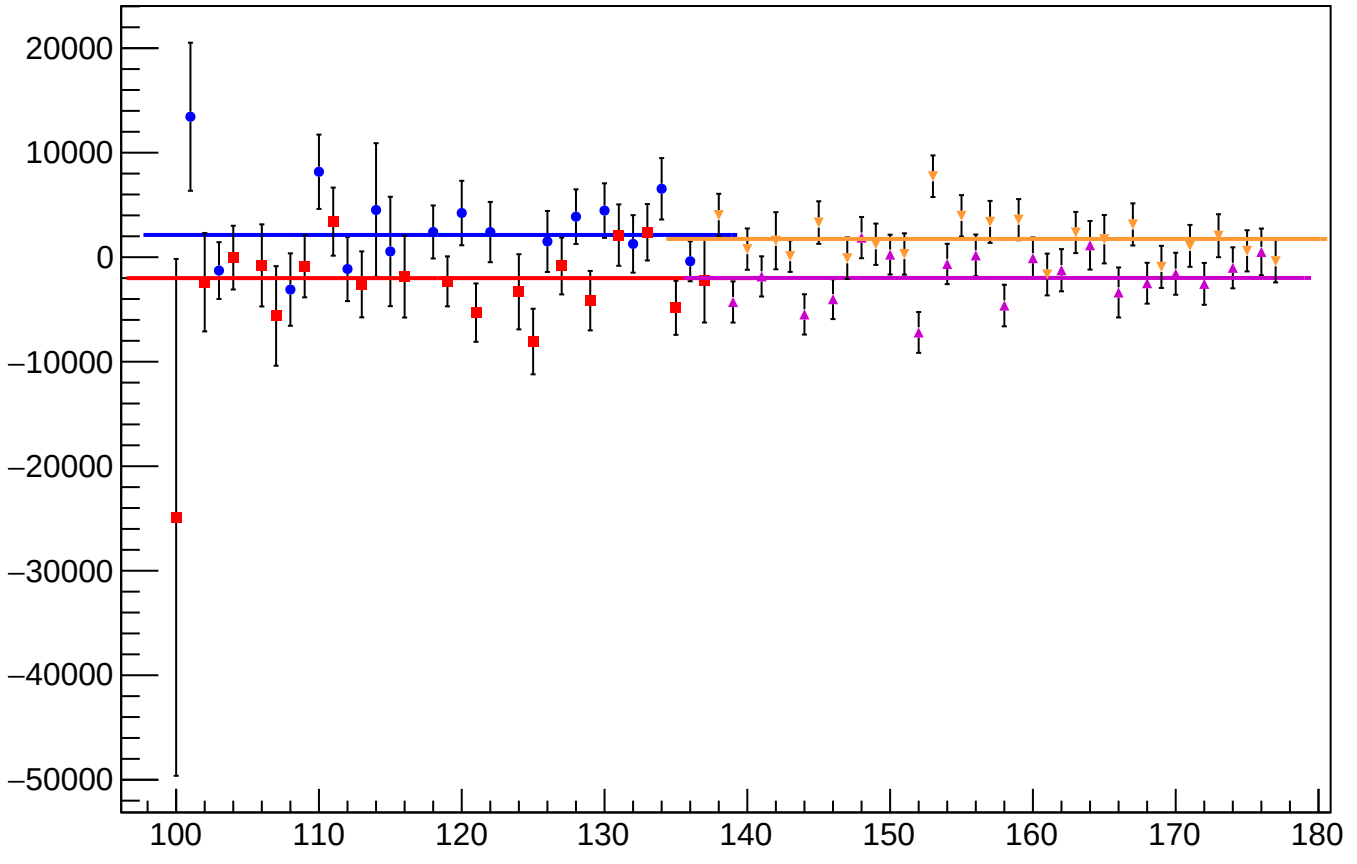
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 601.818+/-0.113 χ^2/NDF:2206242.0/18

+ sign 585.681+/-0.089 χ^2/NDF: 3227021.9/36

All: 583.584+/-0.064 χ^2/NDF: 6849166.6/74

- sign 581.368+/-0.092 χ^2/NDF: 3621008.0/37



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1746.035+/-436.005 χ^2/NDF:23.4/20

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

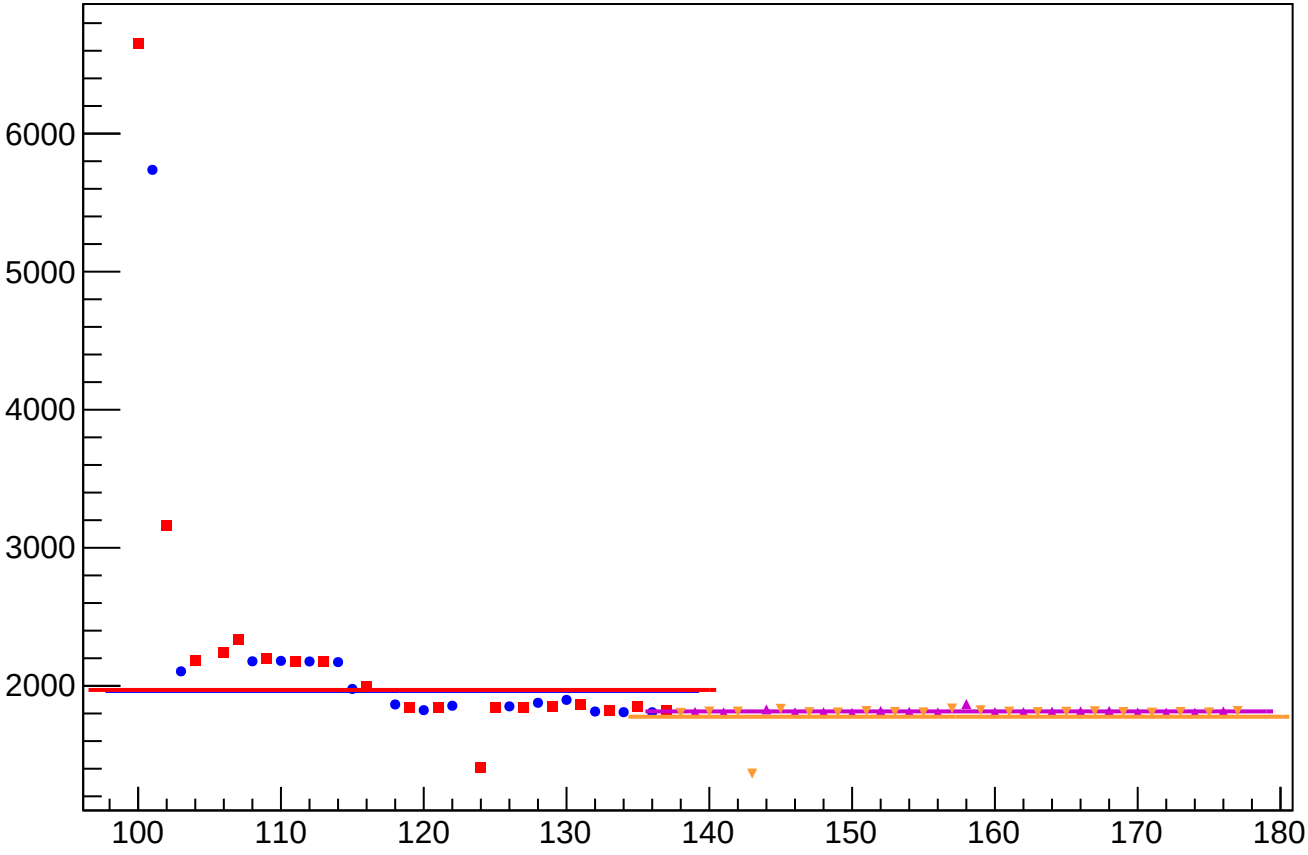
Left In: -1985.270+/-460.432 χ^2/NDF:26.4/18

+ sign 1843.433+/-376.459 χ^2/NDF: 40.1/36

All: -3.038+/-271.031 χ^2/NDF: 133.1/74

- sign -1990.026+/-390.521 χ^2/NDF: 43.1/37

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1776.426+/-0.308 χ^2/NDF:163261.4/20

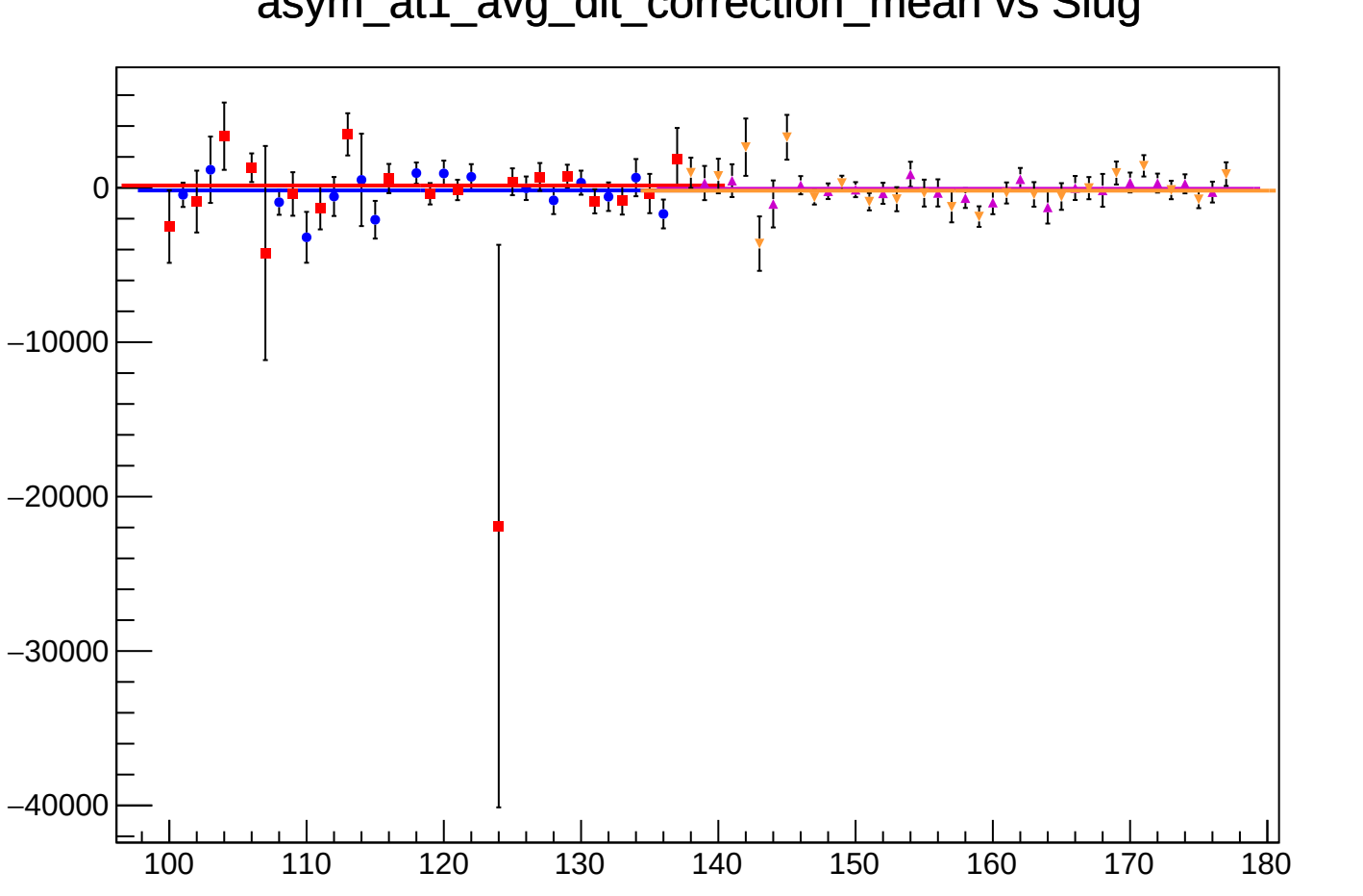
Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.116+/-0.326 χ^2/NDF:1885.6/18

+ sign 1824.013+/-0.266 χ^2/NDF: 897132.2/36

All: 1840.725+/-0.192 χ^2/NDF: 1316219.8/74

- sign 1858.709+/-0.276 χ^2/NDF: 410905.0/37



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -185.542+/-158.817 χ^2/NDF:36.4/20

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

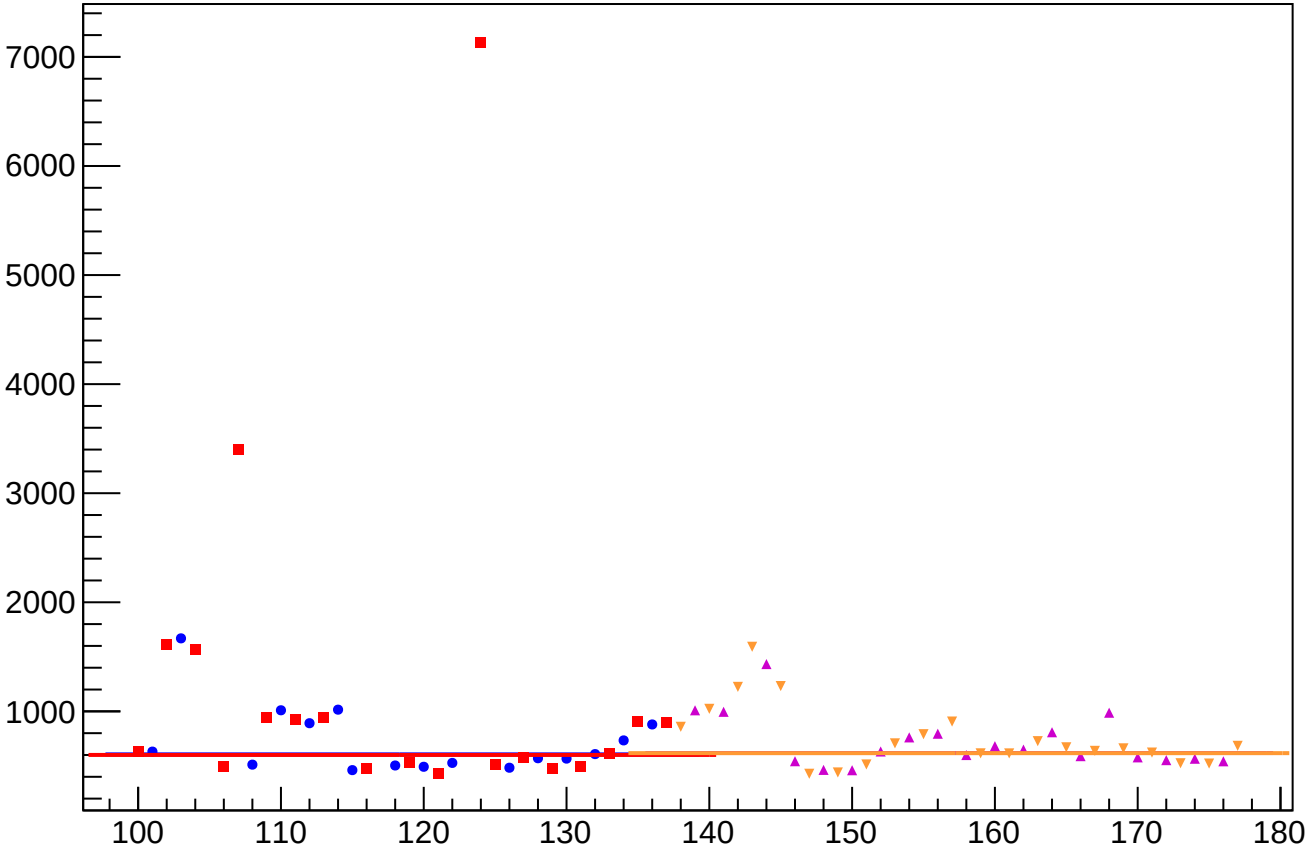
Left In: -65.280+/-163.205 χ^2/NDF:8.1/18

+ sign -180.963+/-131.918 χ^2/NDF: 53.7/36

All: -92.429+/-94.507 χ^2/NDF: 83.4/74

- sign 0.918+/-135.457 χ^2/NDF: 28.8/37

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 616.862+/-0.112 χ^2/NDF:2678229.6/20

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

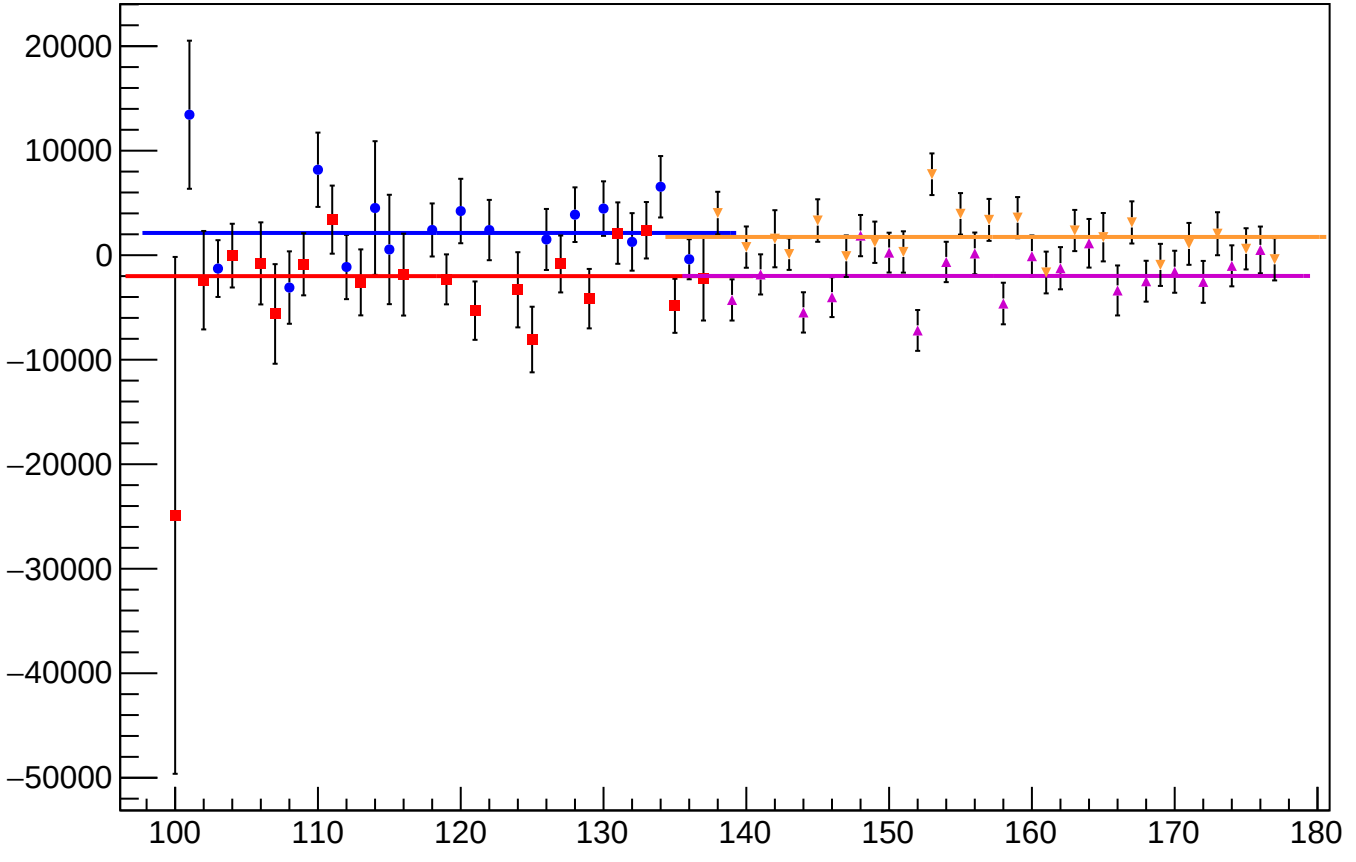
Left In: 618.067+/-0.115 χ^2/NDF:2049569.1/18

\+ sign 613.318+/-0.093 χ^2/NDF: 3843897.5/36

All: 612.961+/-0.067 χ^2/NDF: 8229273.7/74

\- sign 612.585+/-0.096 χ^2/NDF: 4385346.1/37

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1746.036+/-436.005 χ^2/NDF:23.4/20

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

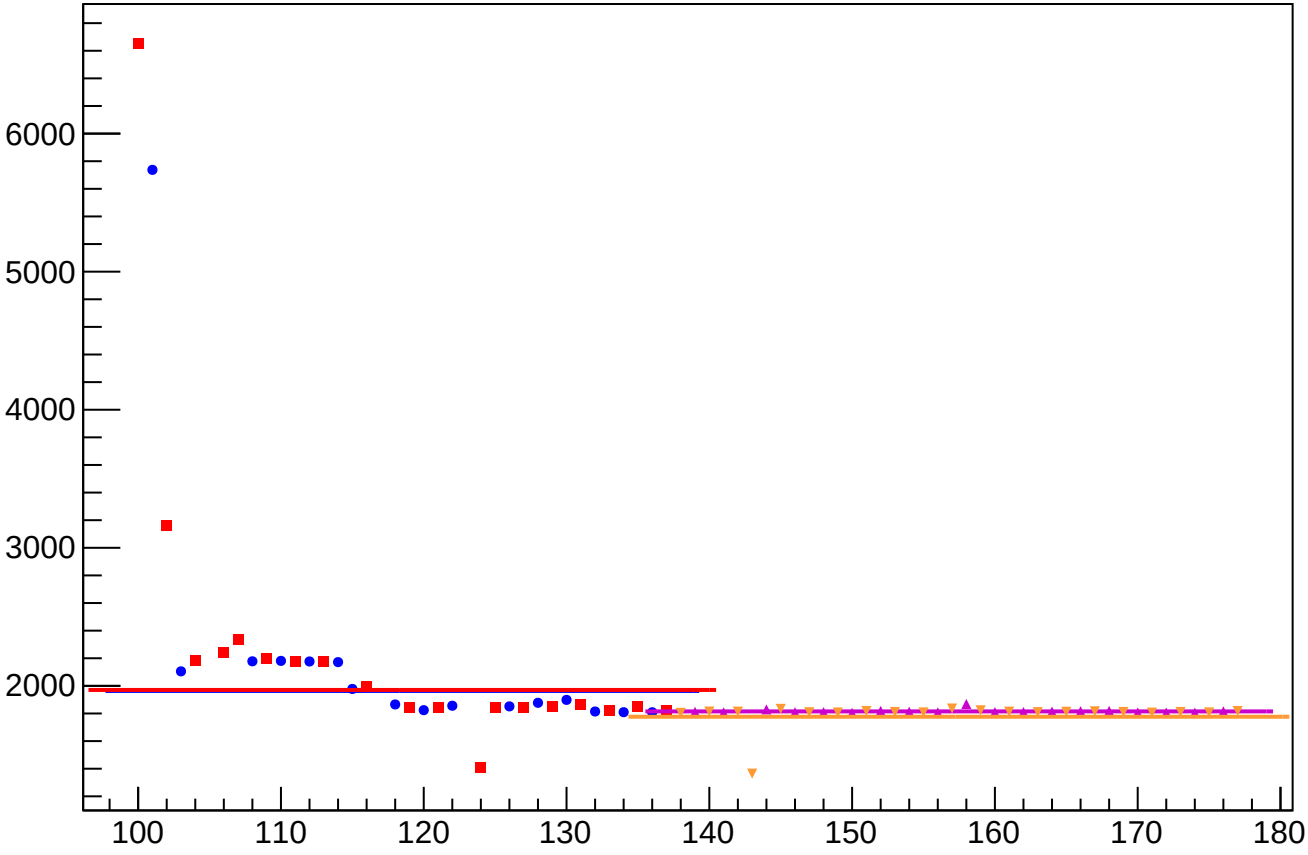
Left In: -1985.270+/-460.432 χ^2/NDF:26.4/18

+ sign 1843.433+/-376.459 χ^2/NDF: 40.1/36

All: -3.038+/-271.031 χ^2/NDF: 133.1/74

- sign -1990.026+/-390.520 χ^2/NDF: 43.1/37

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1776.426+/-0.308 χ^2/NDF:163261.4/20

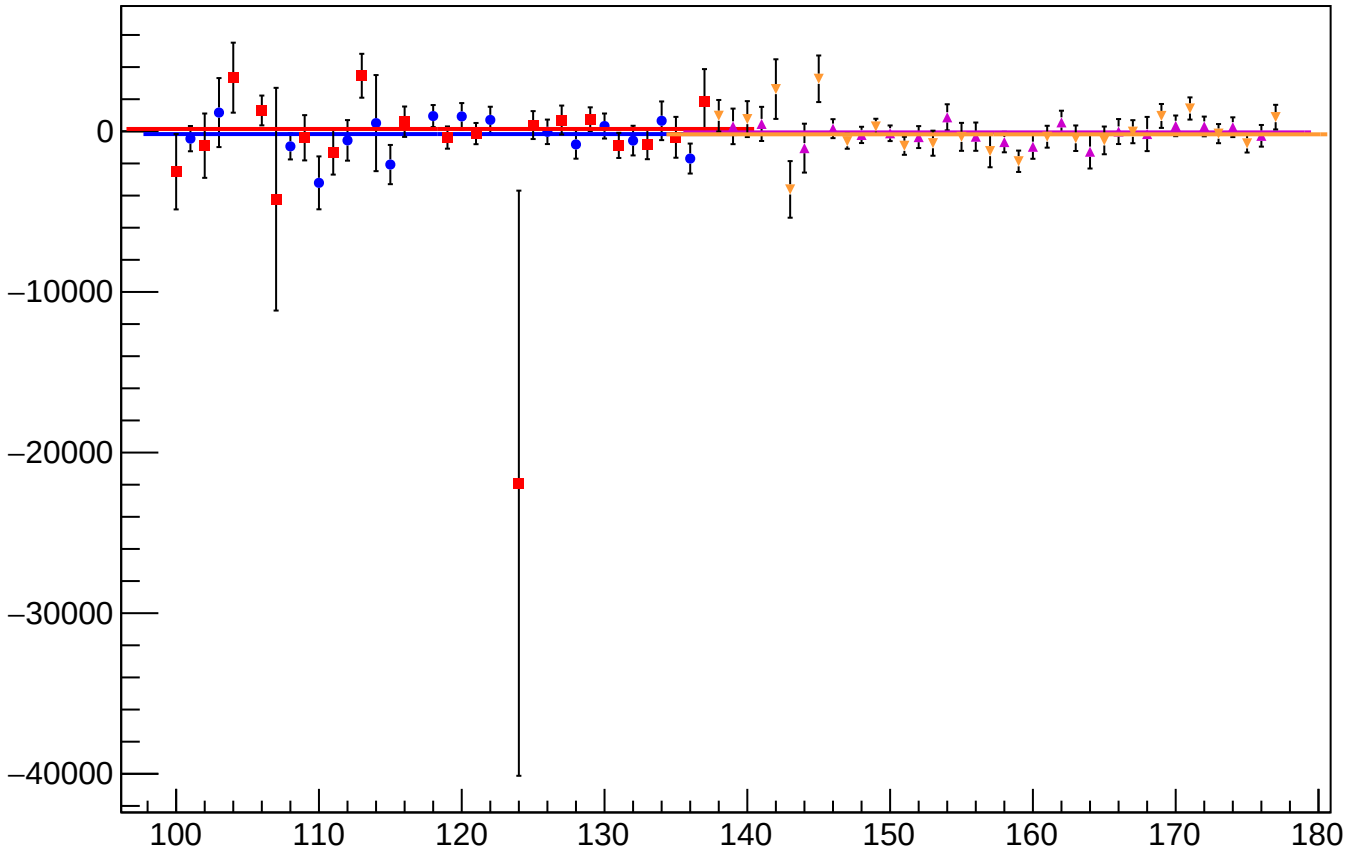
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.116+/-0.326 χ^2/NDF:1885.6/18

+ sign 1824.013+/-0.266 χ^2/NDF: 897131.6/36

All: 1840.725+/-0.192 χ^2/NDF: 1316217.7/74

- sign 1858.709+/-0.276 χ^2/NDF: 410903.5/37



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -185.542+/-158.818 χ^2/NDF:36.4/20

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

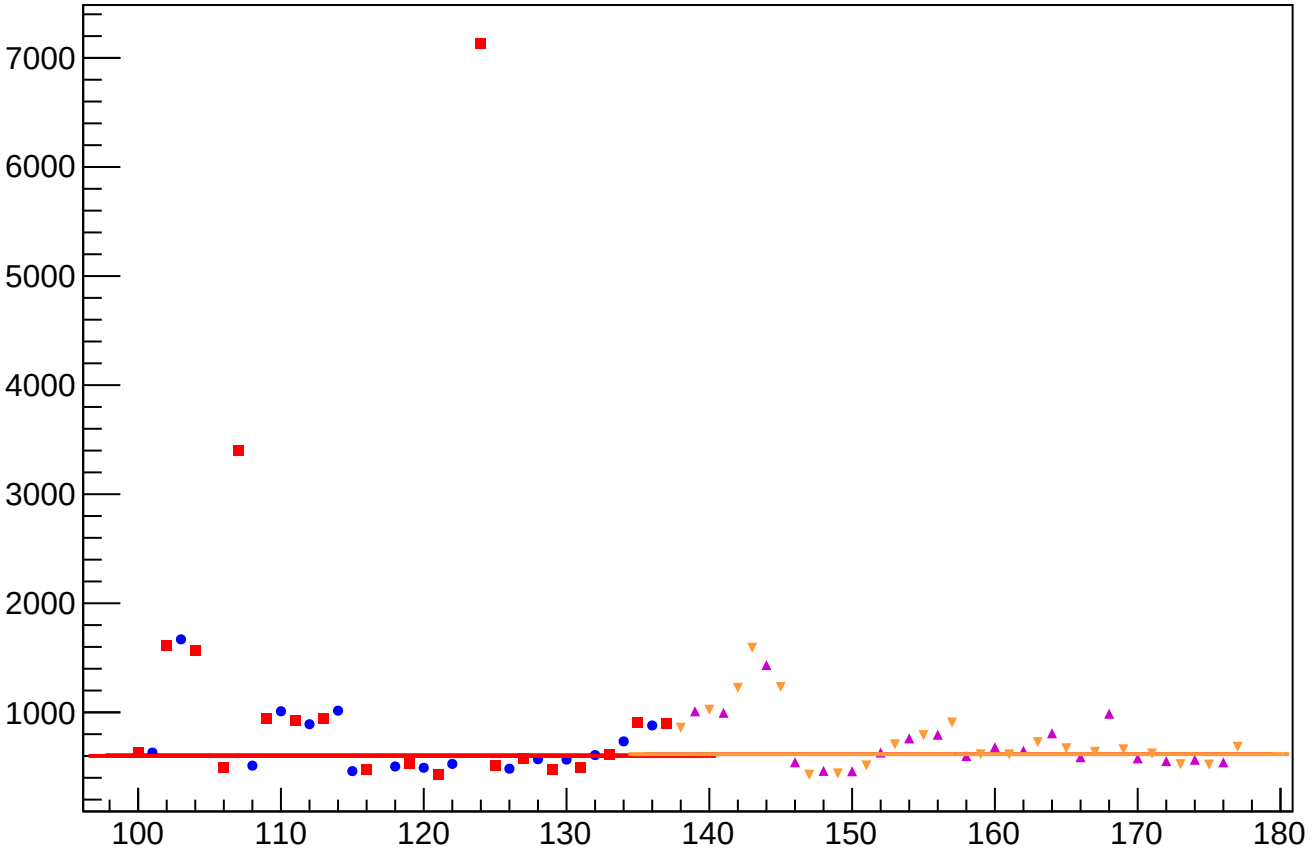
Left In: -65.280+/-163.205 χ^2/NDF:8.1/18

+ sign -180.963+/-131.919 χ^2/NDF: 53.7/36

All: -92.429+/-94.507 χ^2/NDF: 83.4/74

- sign 0.918+/-135.457 χ^2/NDF: 28.8/37

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 616.863+/-0.112 χ^2/NDF:2678223.1/20

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

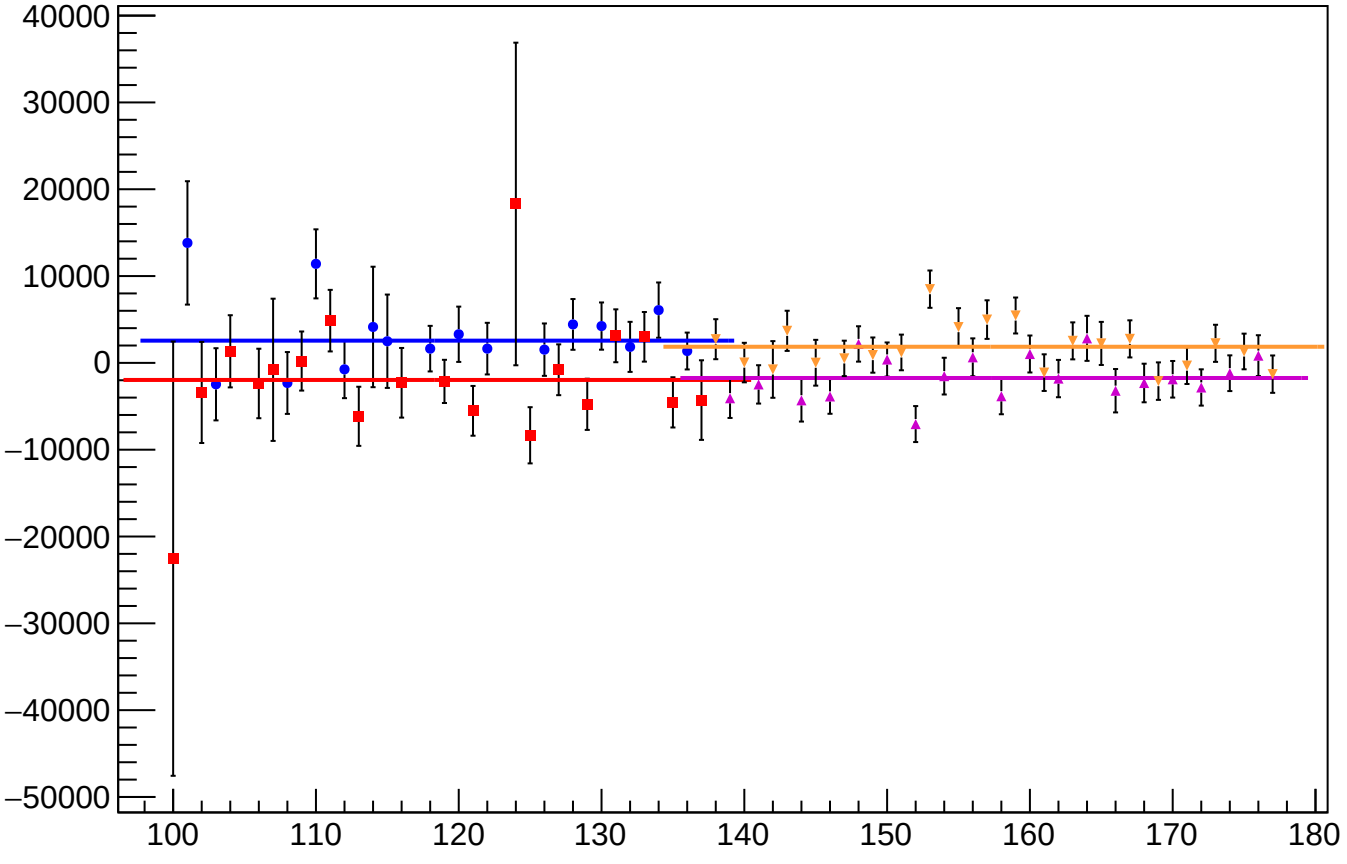
Left In: 618.068+/-0.115 χ^2/NDF:2049564.6/18

+ sign 613.318+/-0.093 χ^2/NDF: 3843900.2/36

All: 612.961+/-0.067 χ^2/NDF: 8229281.4/74

- sign 612.585+/-0.096 χ^2/NDF: 4385351.2/37

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1857.648+/-480.858 χ^2/NDF:27.9/20

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

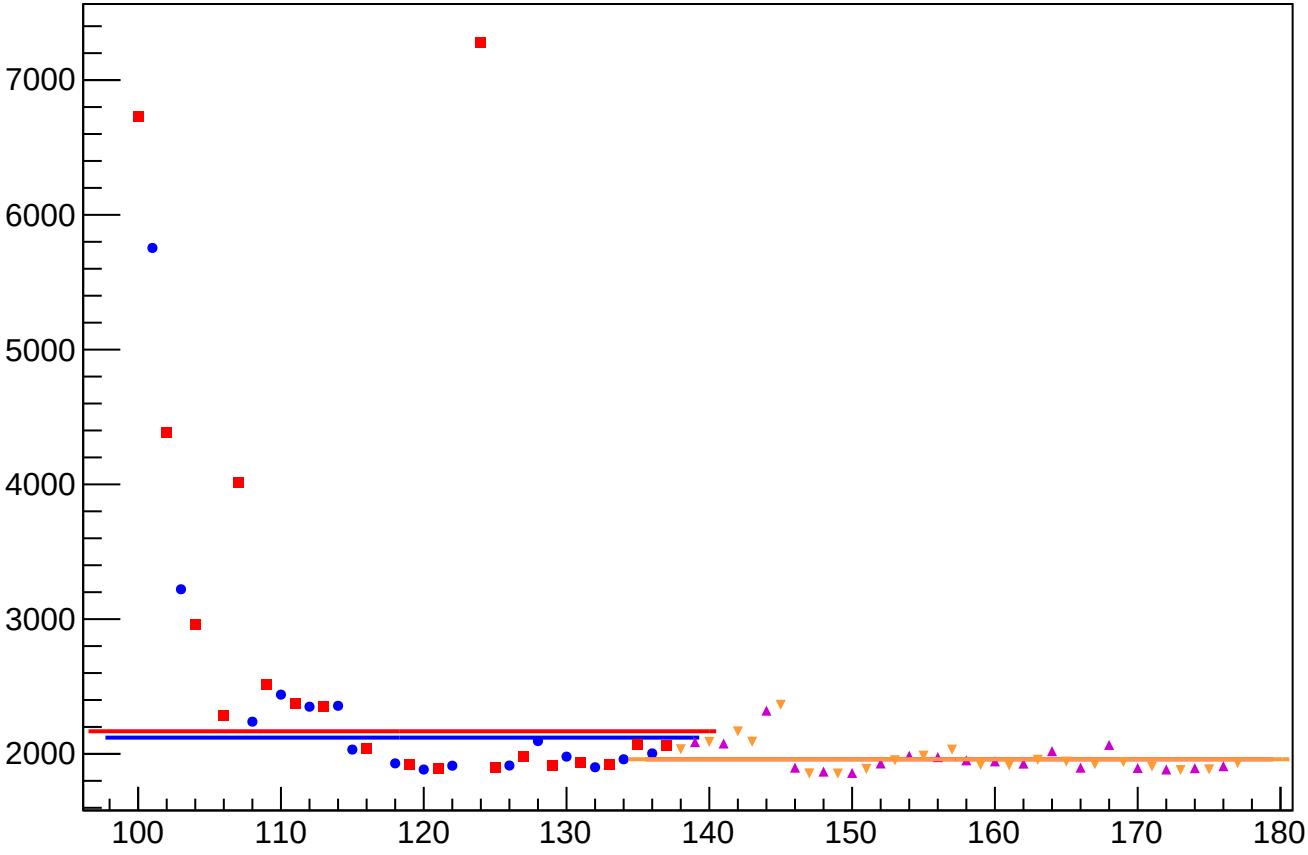
Left In: -1740.660+/-497.936 χ^2/NDF:23.8/18

+ sign 2041.038+/-413.440 χ^2/NDF: 43.0/36

All: 174.672+/-296.501 χ^2/NDF: 130.4/74

- sign -1801.690+/-425.449 χ^2/NDF: 45.4/37

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1960.267+/-0.340 χ^2/NDF:95050.1/20

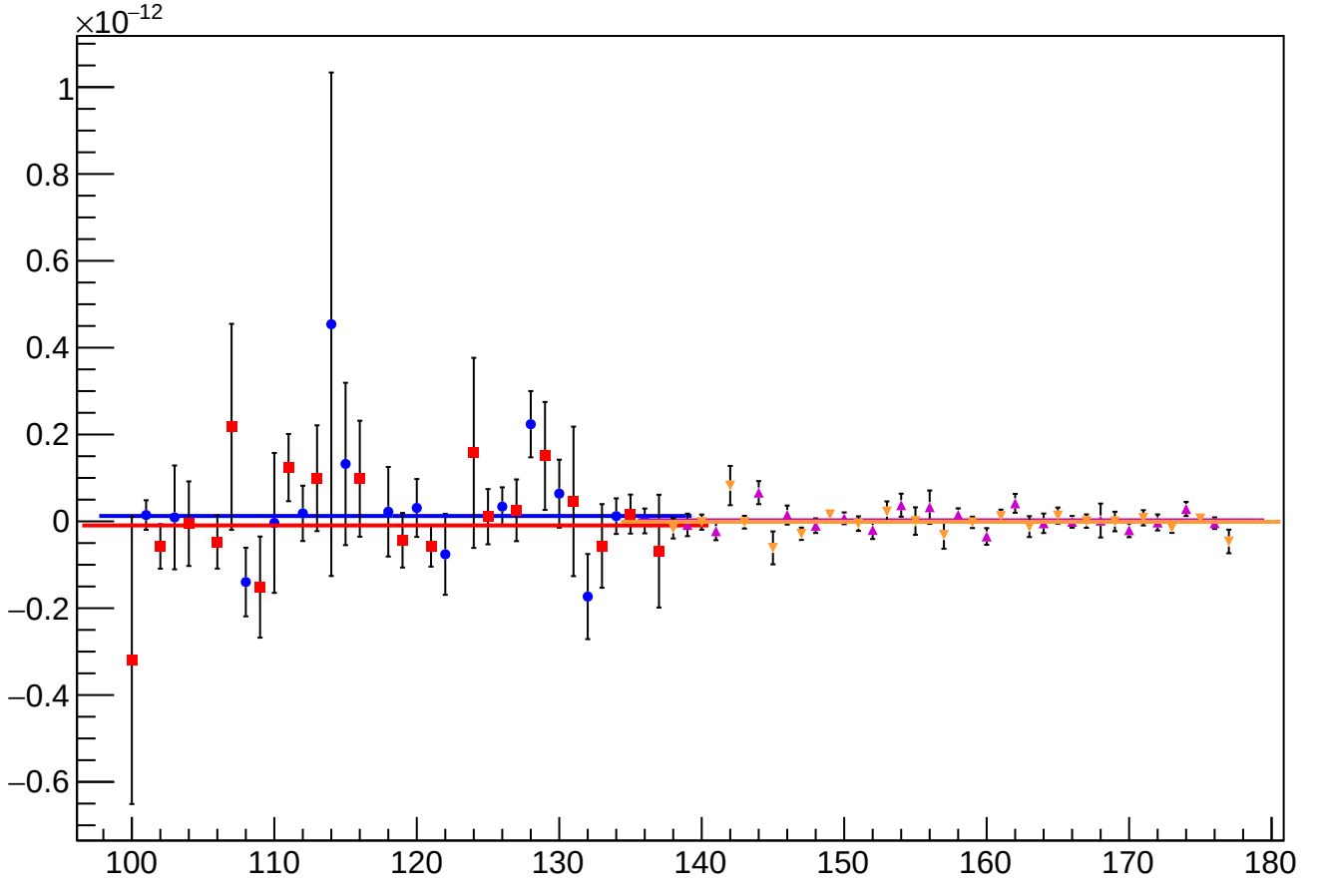
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1959.784+/-0.352 χ^2/NDF:82461.0/18

+ sign 2002.120+/-0.292 χ^2/NDF: 913125.9/36

All: 2008.837+/-0.210 χ^2/NDF: 1914862.9/74

- sign 2015.951+/-0.301 χ^2/NDF: 1000649.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

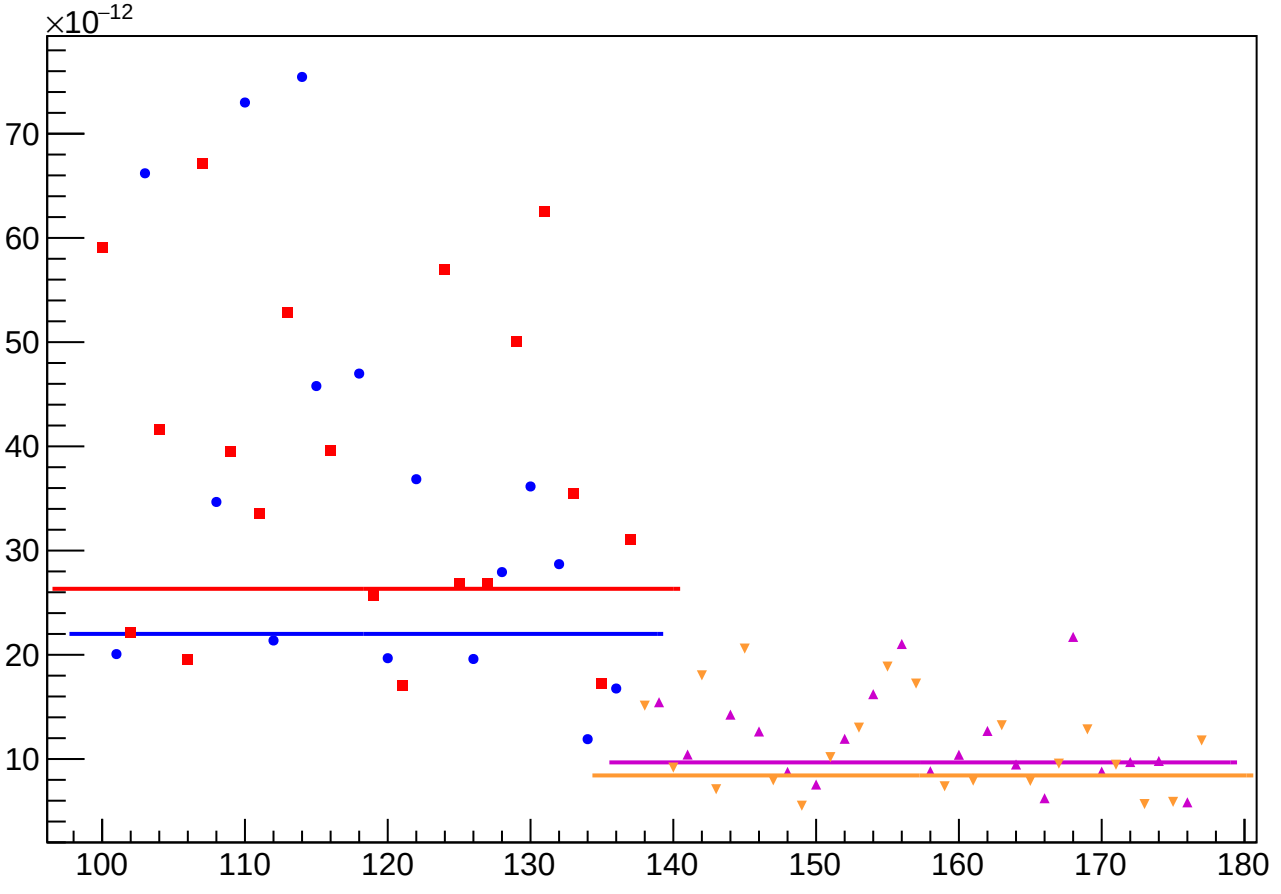
Left In: 0.000+/-0.000 χ^2/NDF:24.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/36

All: 0.000+/-0.000 χ^2/NDF: 78.3/74

- sign 0.000+/-0.000 χ^2/NDF: 38.7/37

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:1564860.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

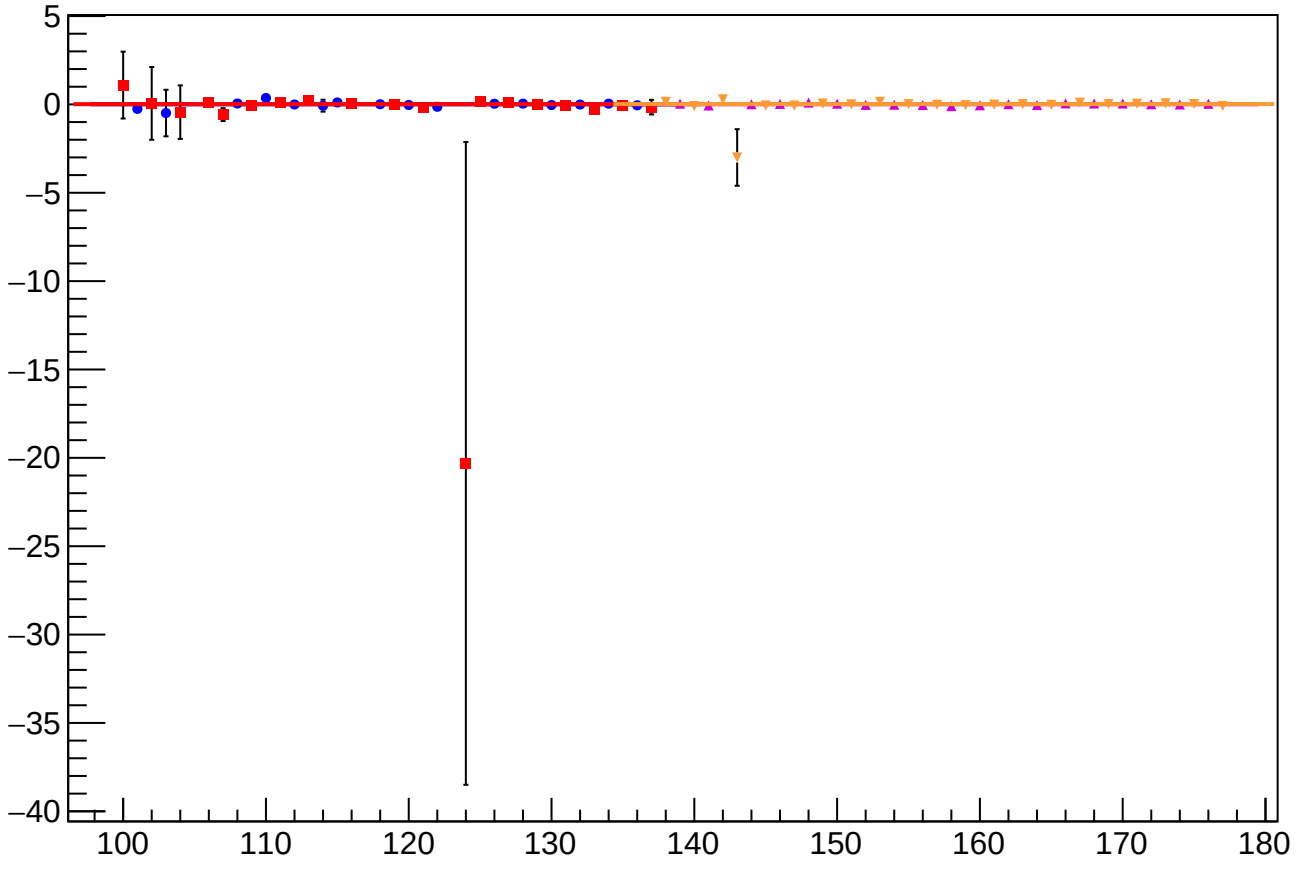
Left In: 0.000+/-0.000 χ^2/NDF:1108895.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 4199924.8/36

All: 0.000+/-0.000 χ^2/NDF: 7753788.7/74

- sign 0.000+/-0.000 χ^2/NDF: 3428224.2/37

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

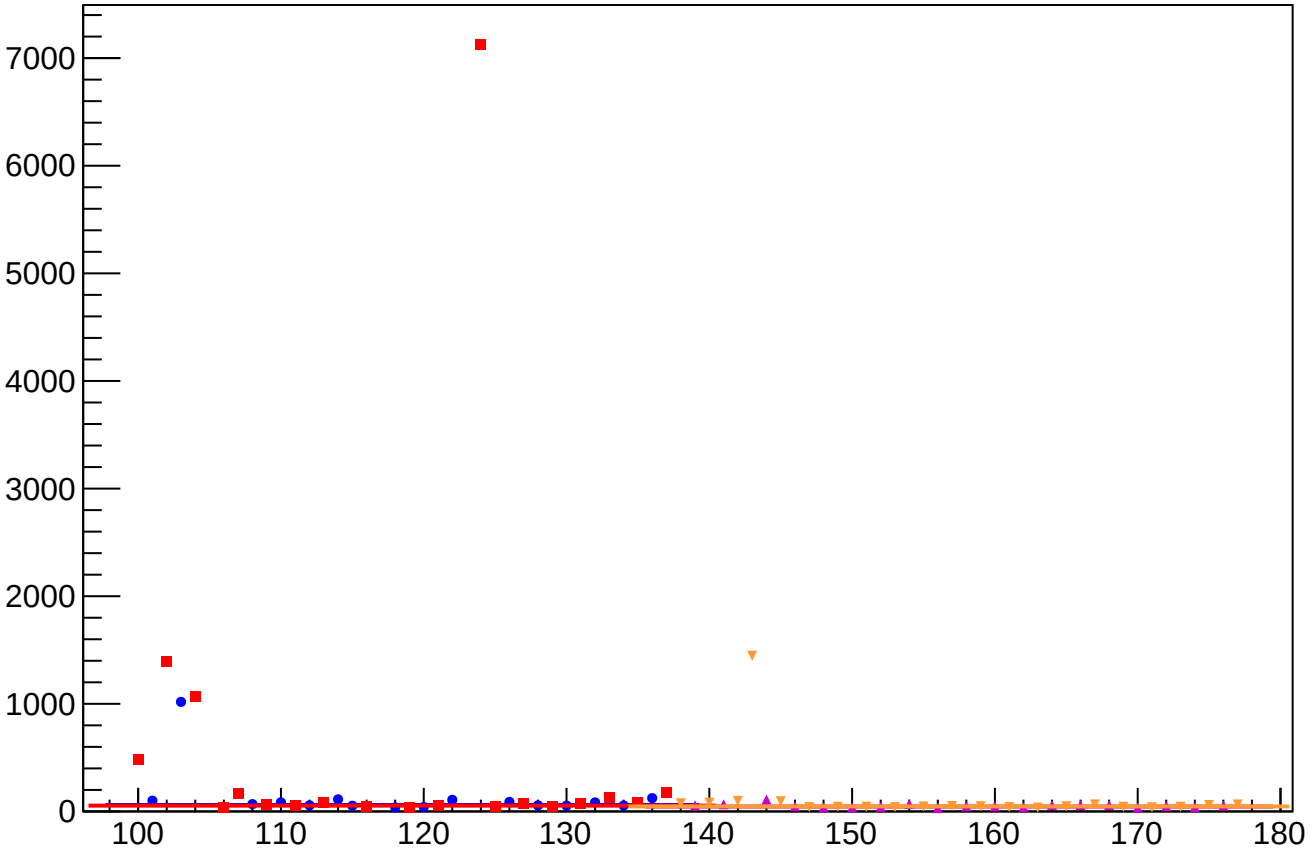
Left In: 0.008+/-0.013 χ^2/NDF:14.6/18

+ sign 0.015+/-0.012 χ^2/NDF: 38.5/36

All: 0.012+/-0.008 χ^2/NDF: 70.8/74

- sign 0.009+/-0.012 χ^2/NDF: 32.2/37

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.851+/-0.009 χ^2/NDF:3168053.4/20

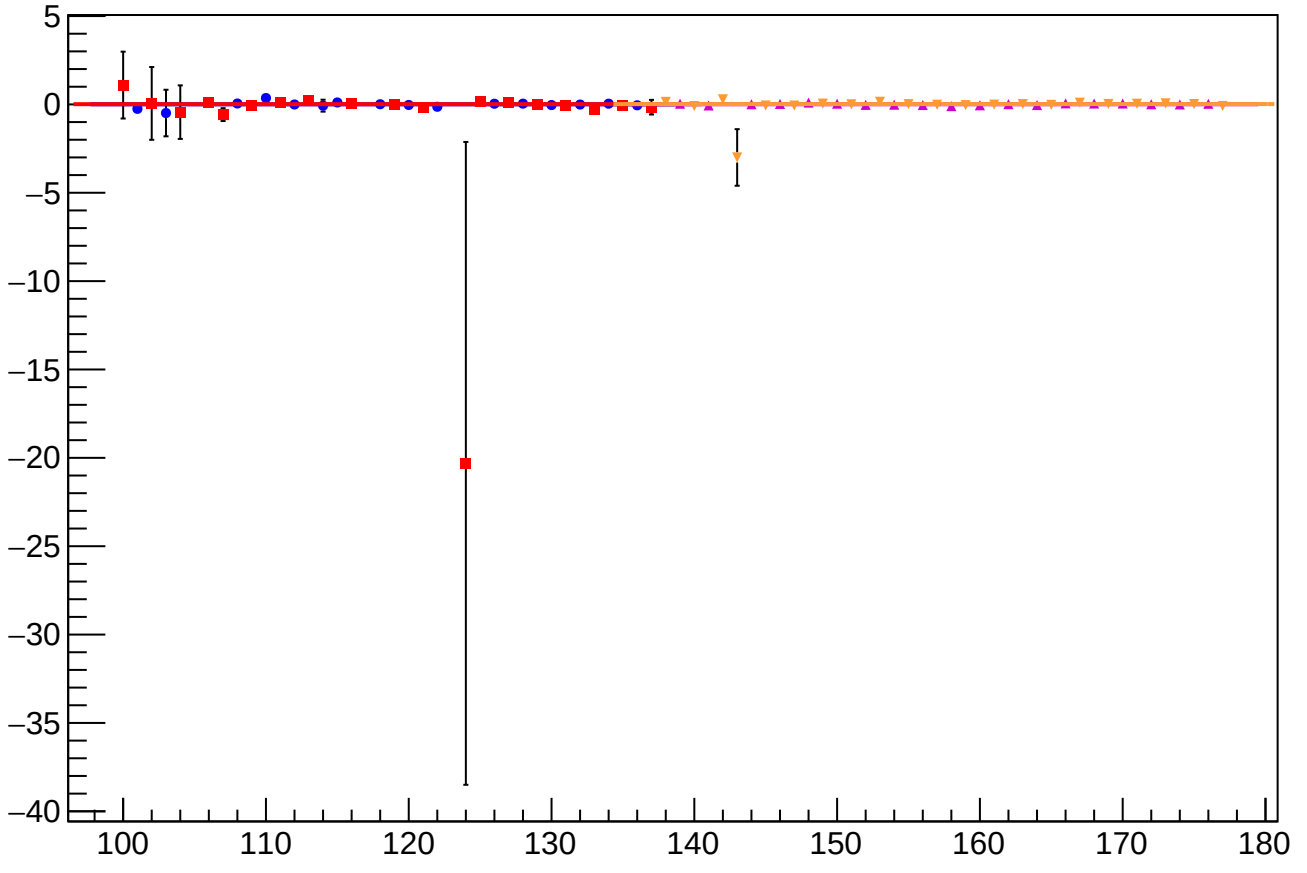
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.6/18

+ sign 49.390+/-0.008 χ^2/NDF: 6087212.2/36

All: 48.351+/-0.006 χ^2/NDF: 11534084.4/74

- sign 47.344+/-0.008 χ^2/NDF: 5416419.6/37



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

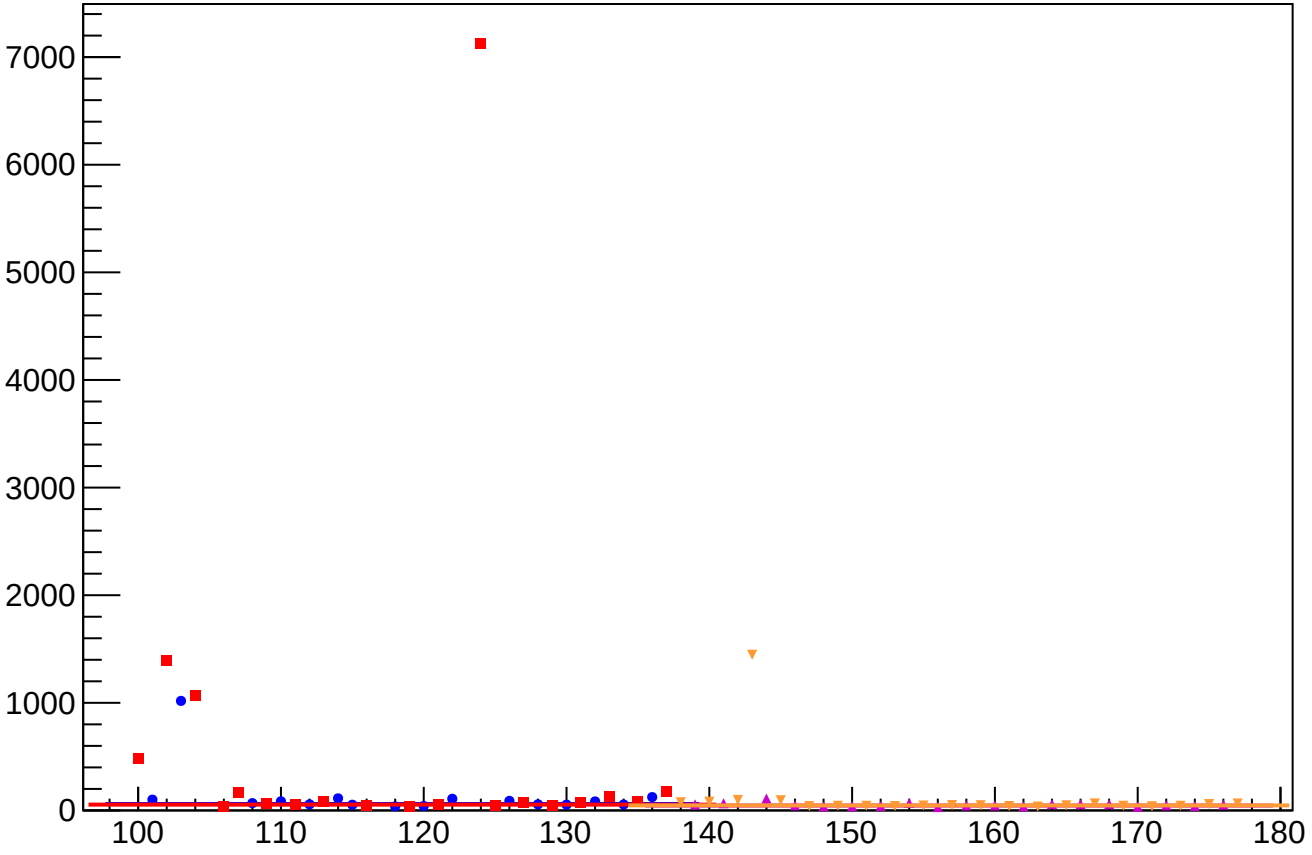
Left In: 0.008+/-0.013 χ^2/NDF:14.6/18

+ sign 0.015+/-0.012 χ^2/NDF: 38.5/36

All: 0.012+/-0.008 χ^2/NDF: 70.8/74

- sign 0.009+/-0.012 χ^2/NDF: 32.2/37

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: 46.851+/-0.009 χ^2/NDF:3168053.4/20

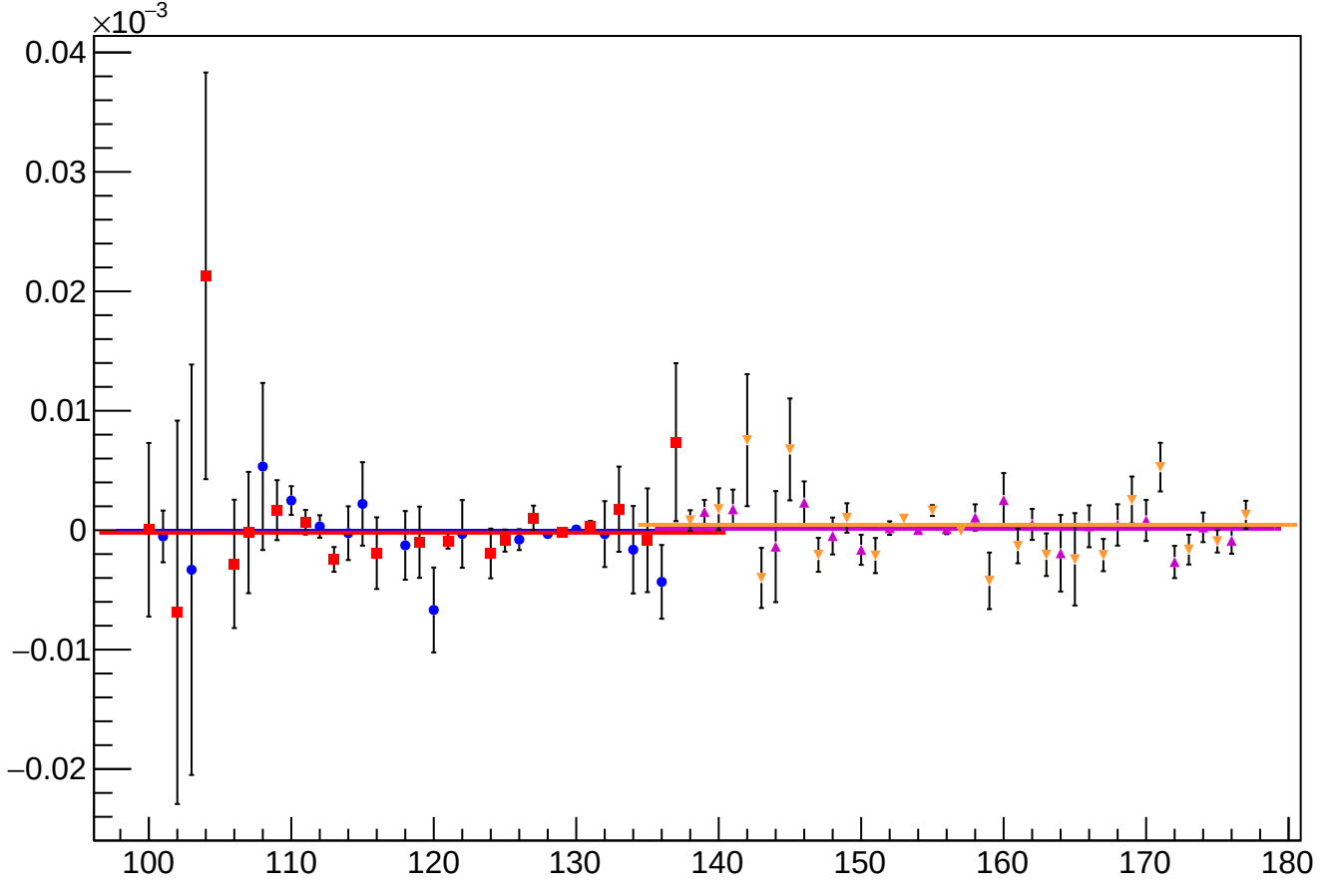
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.6/18

+ sign 49.390+/-0.008 χ^2/NDF: 6087212.2/36

All: 48.351+/-0.006 χ^2/NDF: 11534084.4/74

- sign 47.344+/-0.008 χ^2/NDF: 5416419.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.3/20

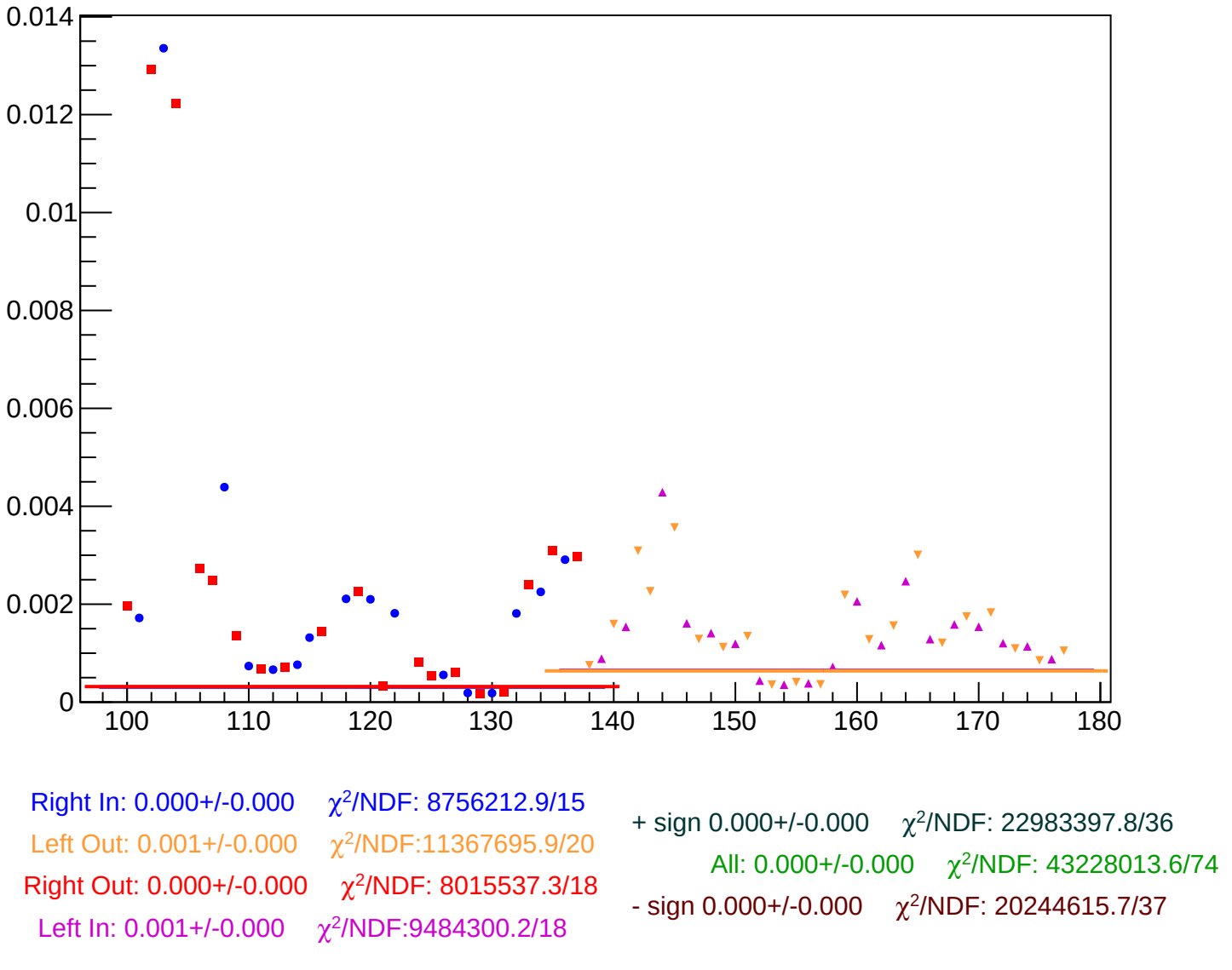
Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

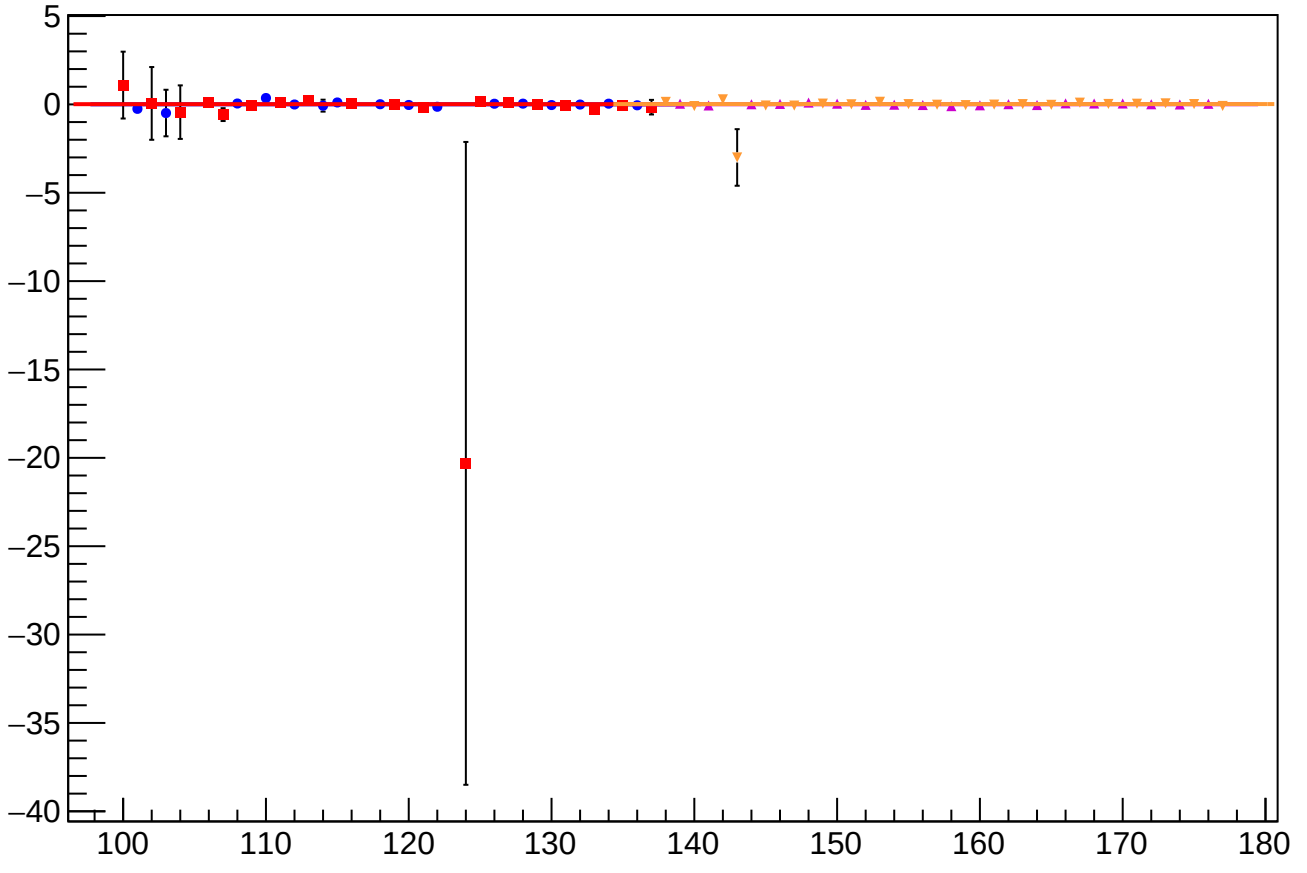
Left In: 0.000+/-0.000 χ^2/NDF:14.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/36

All: 0.000+/-0.000 χ^2/NDF: 97.6/74

- sign -0.000+/-0.000 χ^2/NDF: 31.5/37


asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug
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: 0.000+/-0.000 χ²/NDF: 8756212.9/15
Left Out: 0.001+/-0.000 χ²/NDF:11367695.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 8015537.3/18
Left In: 0.001+/-0.000 χ²/NDF:9484300.2/18
+ sign 0.000+/-0.000 χ²/NDF: 22983397.8/36
All: 0.000+/-0.000 χ²/NDF: 43228013.6/74
- sign 0.000+/-0.000 χ²/NDF: 20244615.7/37



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

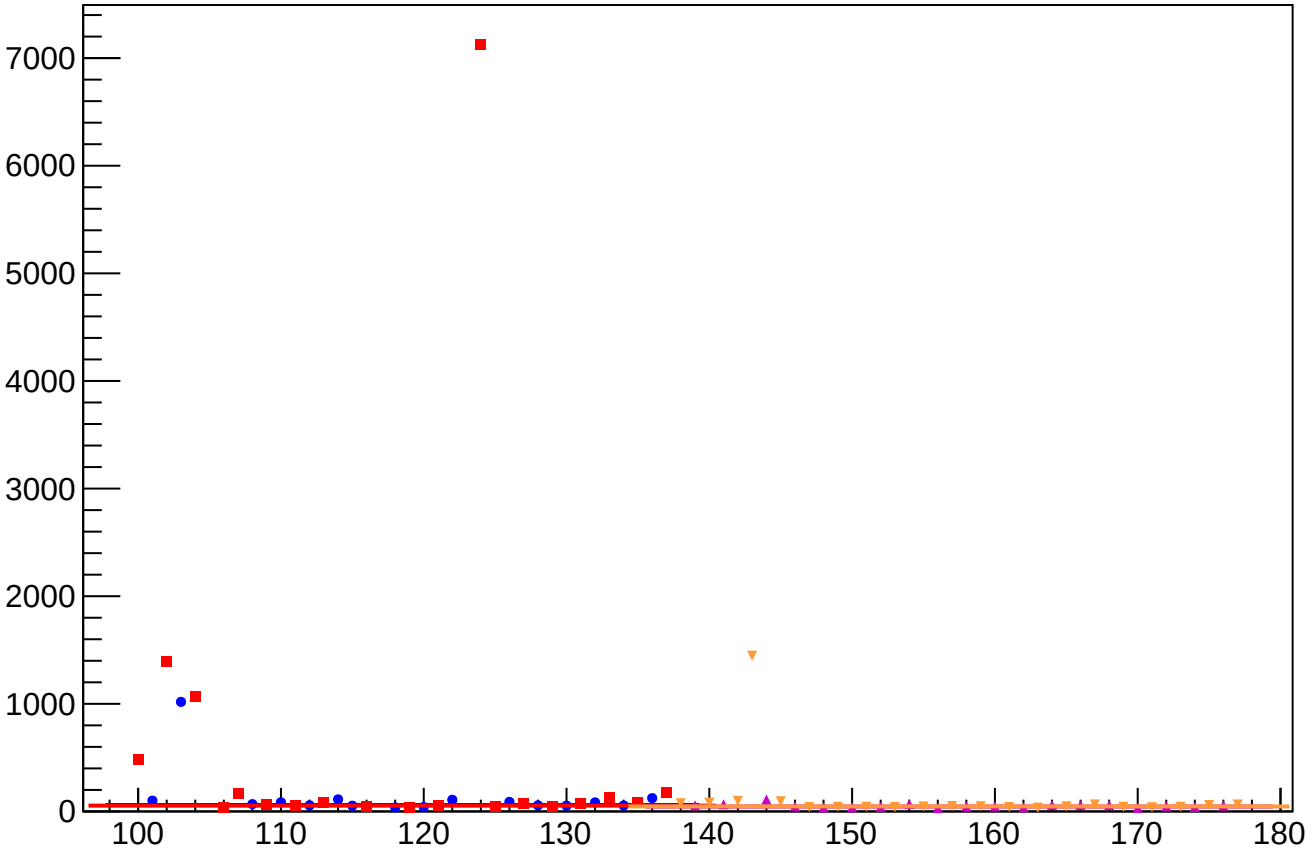
Left In: 0.008+/-0.013 χ^2/NDF:14.6/18

+ sign 0.015+/-0.012 χ^2/NDF: 38.5/36

All: 0.012+/-0.008 χ^2/NDF: 70.8/74

- sign 0.009+/-0.012 χ^2/NDF: 32.2/37

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: 46.851+/-0.009 χ^2/NDF:3168034.2/20

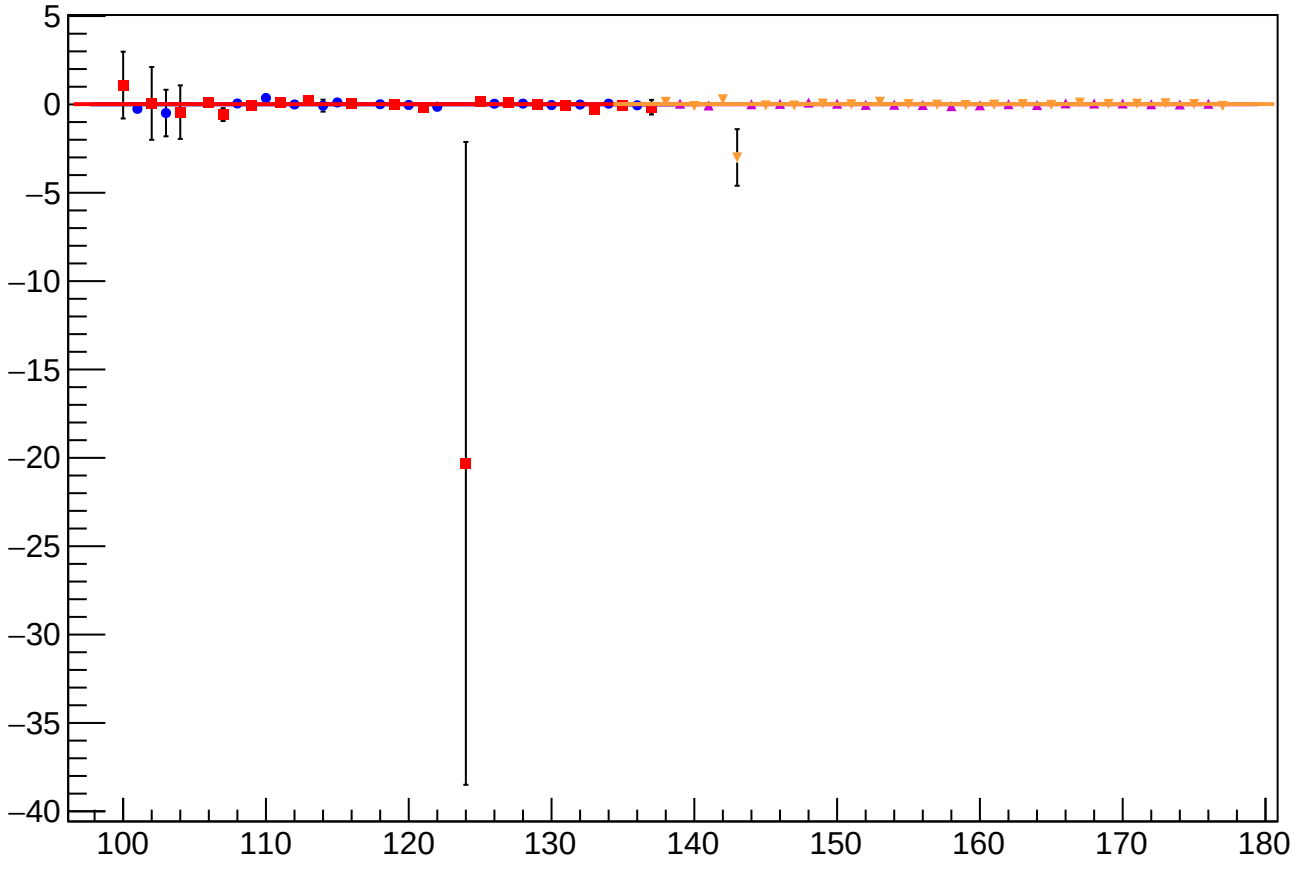
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.1/18

+ sign 49.390+/-0.008 χ^2/NDF: 6087182.7/36

All: 48.351+/-0.006 χ^2/NDF: 11534085.3/74

- sign 47.344+/-0.008 χ^2/NDF: 5416439.6/37



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.013 χ^2/NDF:26.9/20

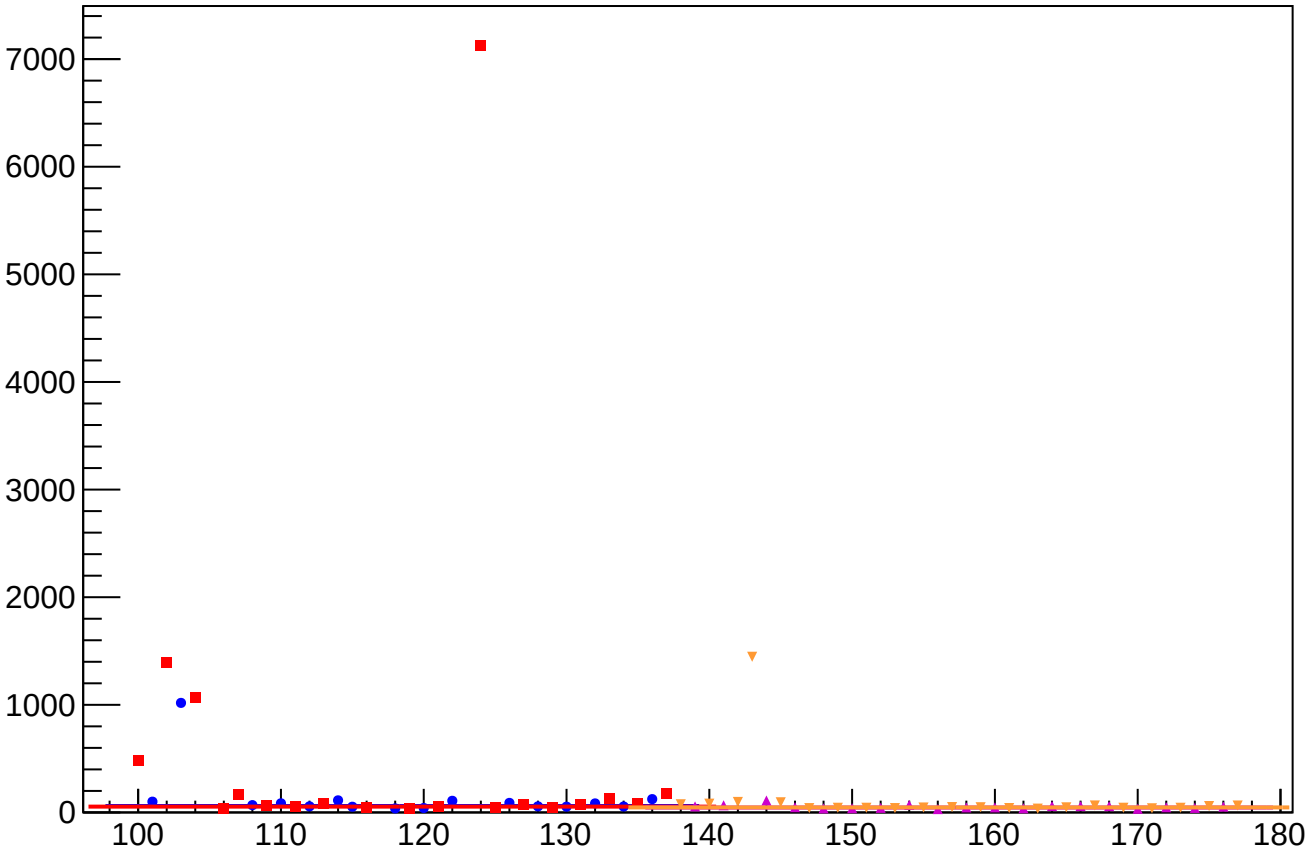
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.008+/-0.013 χ^2/NDF:14.6/18

+ sign 0.015+/-0.012 χ^2/NDF: 38.5/36

All: 0.012+/-0.008 χ^2/NDF: 70.8/74

- sign 0.009+/-0.012 χ^2/NDF: 32.2/37



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.851+/-0.009 χ^2/NDF:3168034.2/20

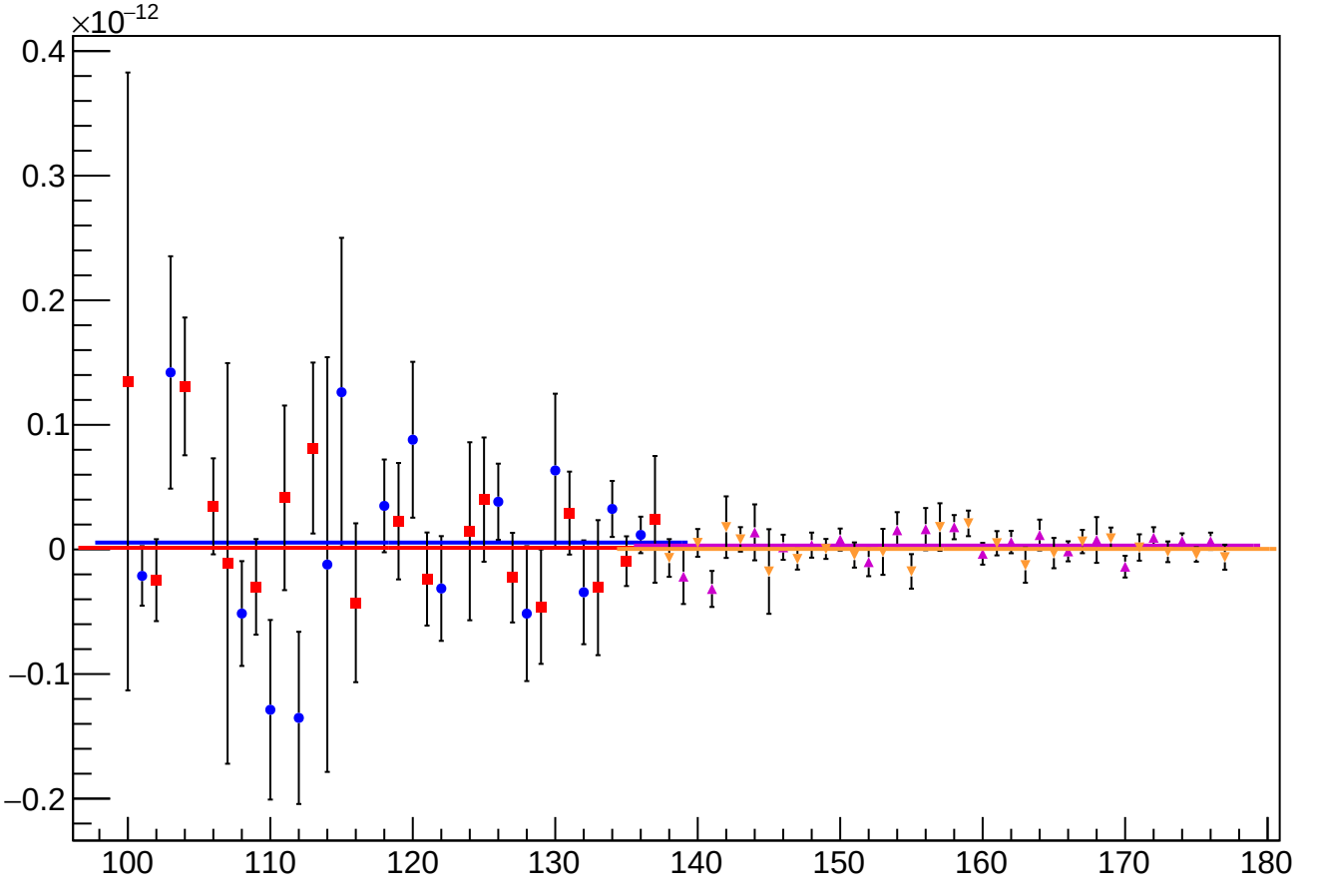
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.1/18

\+ sign 49.390+/-0.008 χ^2/NDF: 6087182.7/36

All: 48.351+/-0.006 χ^2/NDF: 11534085.3/74

\- sign 47.344+/-0.008 χ^2/NDF: 5416439.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/20

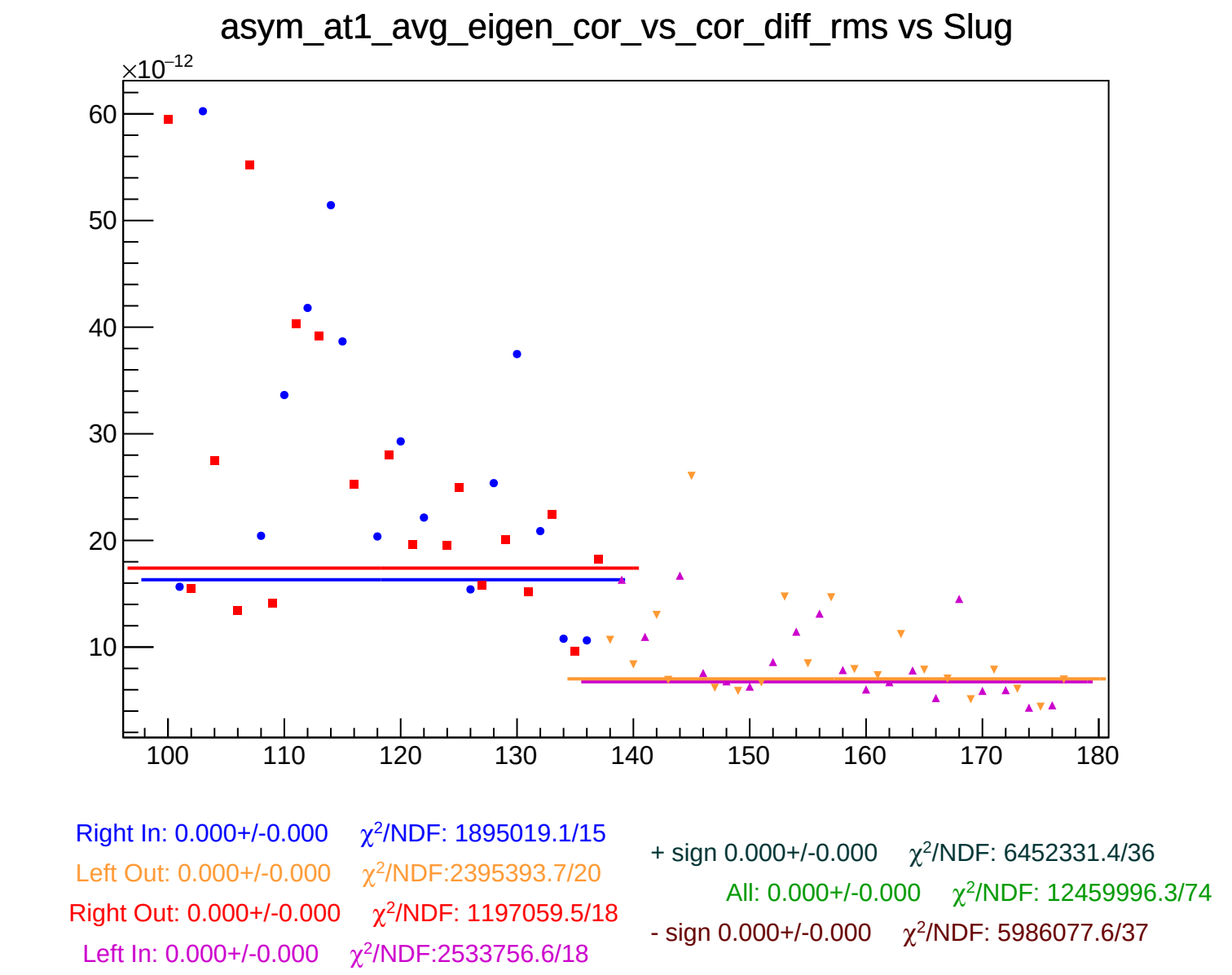
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.1/18

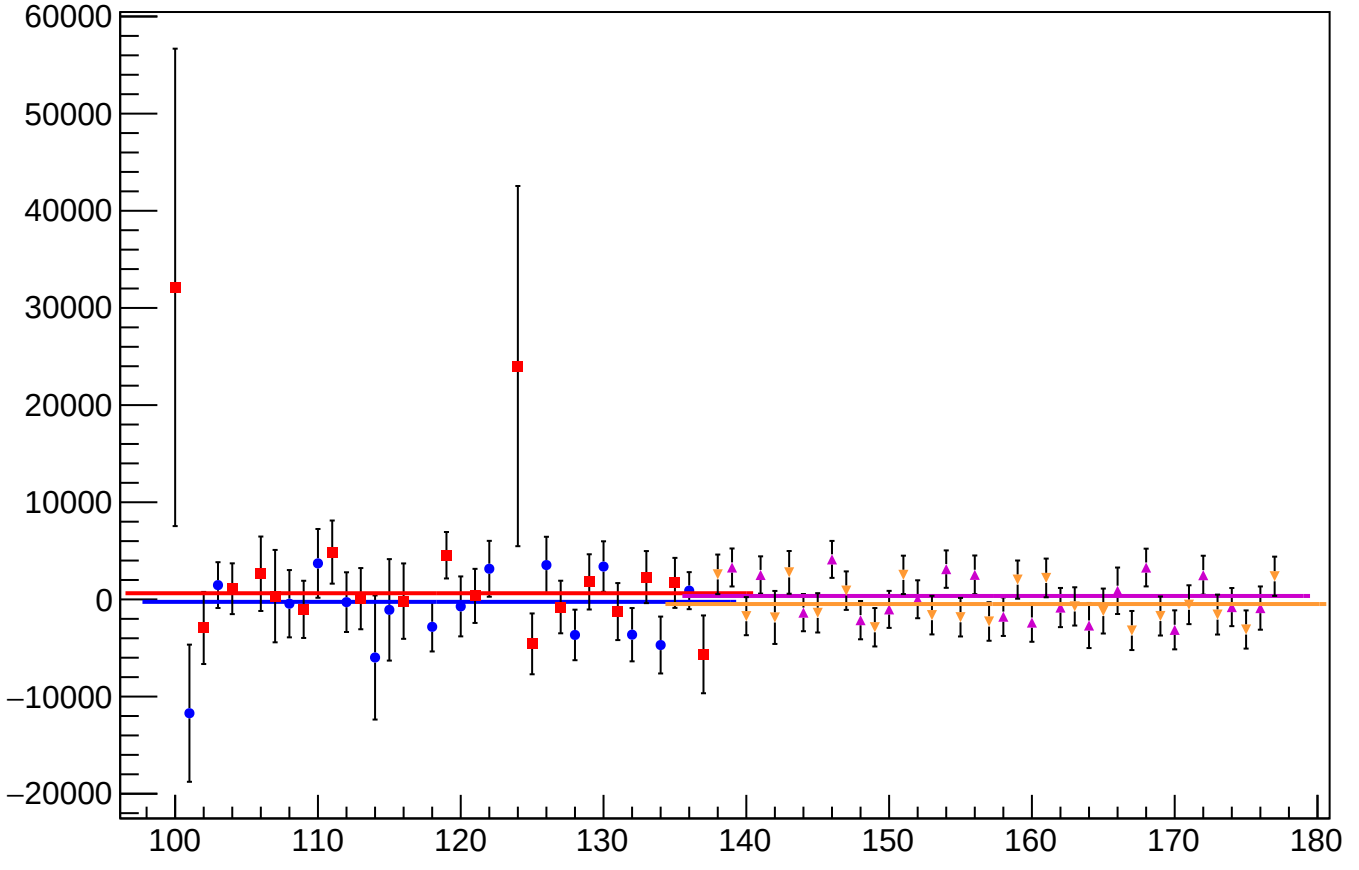
+ sign 0.000+/-0.000 χ^2/NDF: 36.0/36

All: 0.000+/-0.000 χ^2/NDF: 69.9/74

- sign 0.000+/-0.000 χ^2/NDF: 33.4/37


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2395393.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:2533756.6/18
+ sign 0.000+/-0.000 χ²/NDF: 6452331.4/36
All: 0.000+/-0.000 χ²/NDF: 12459996.3/74
- sign 0.000+/-0.000 χ²/NDF: 5986077.6/37

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -475.747+/-444.687 χ^2/NDF:21.0/20

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

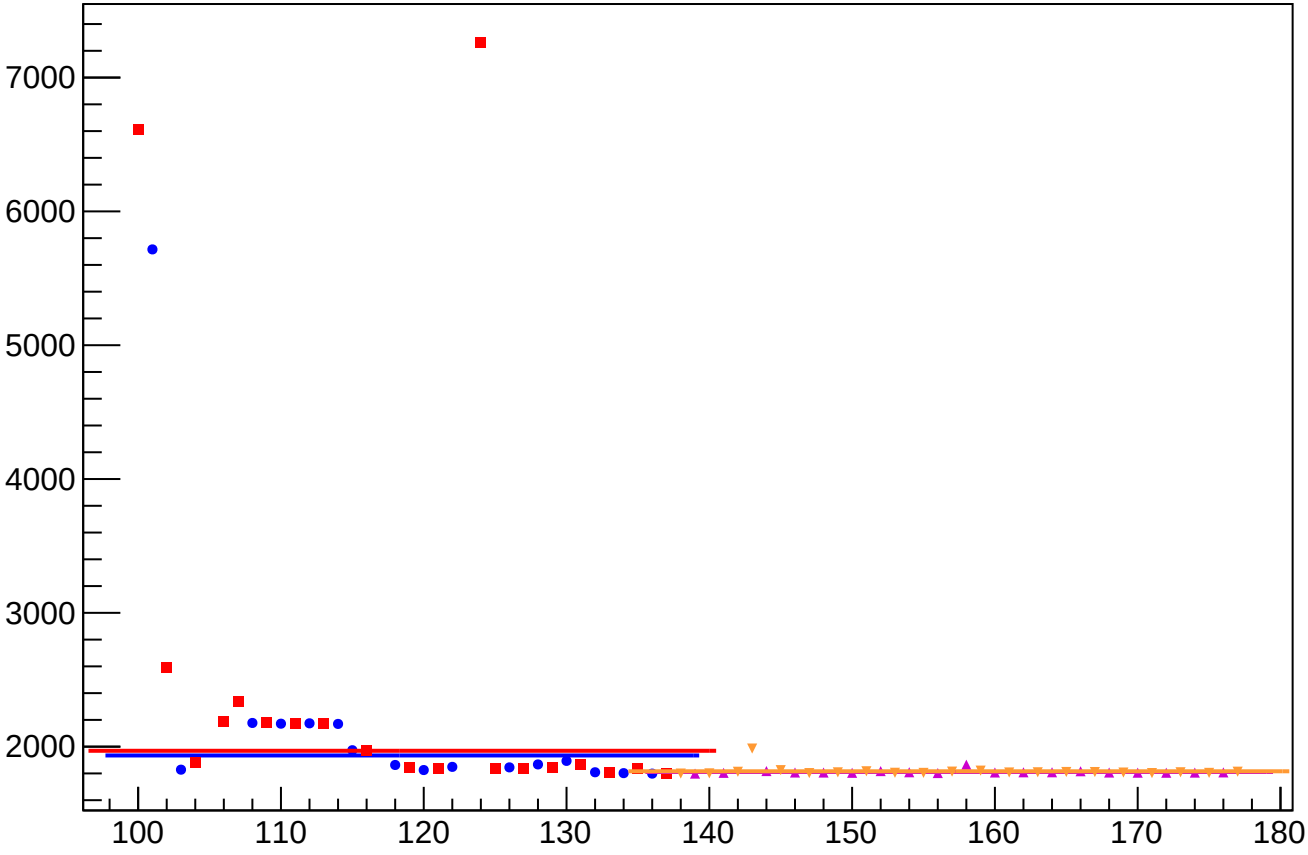
Left In: 355.556+/-459.316 χ^2/NDF:25.9/18

+ sign -415.617+/-380.487 χ^2/NDF: 38.4/36

All: -0.713+/-272.204 χ^2/NDF: 82.7/74

- sign 434.268+/-389.584 χ^2/NDF: 41.9/37

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1815.982+/-0.314 χ^2/NDF:12854.1/20

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

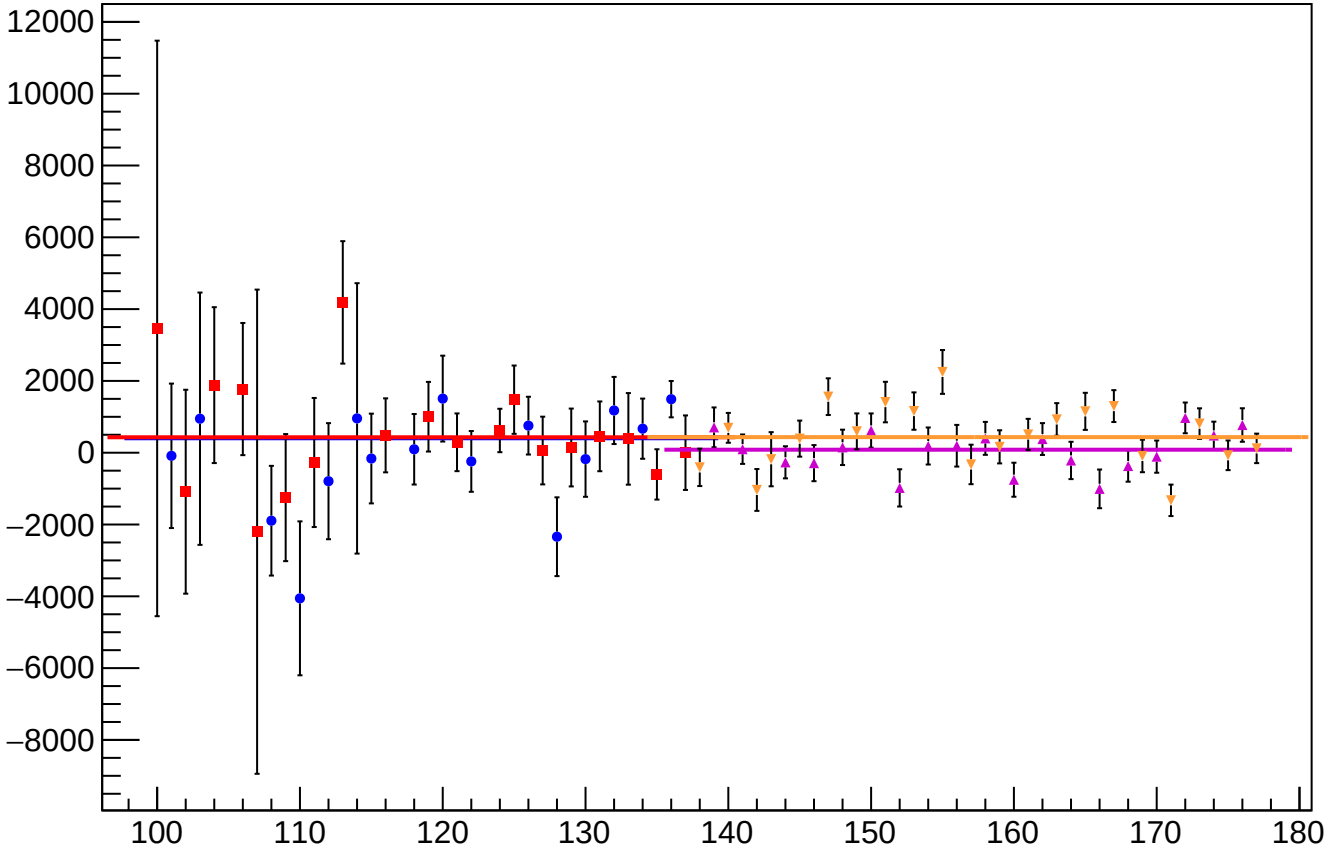
Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

+ sign 1847.657+/-0.269 χ^2/NDF: 690651.4/36

All: 1851.346+/-0.192 χ^2/NDF: 1138001.2/74

- sign 1855.214+/-0.275 χ^2/NDF: 446964.7/37

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 434.008+/-105.495 χ^2/NDF:58.4/20

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

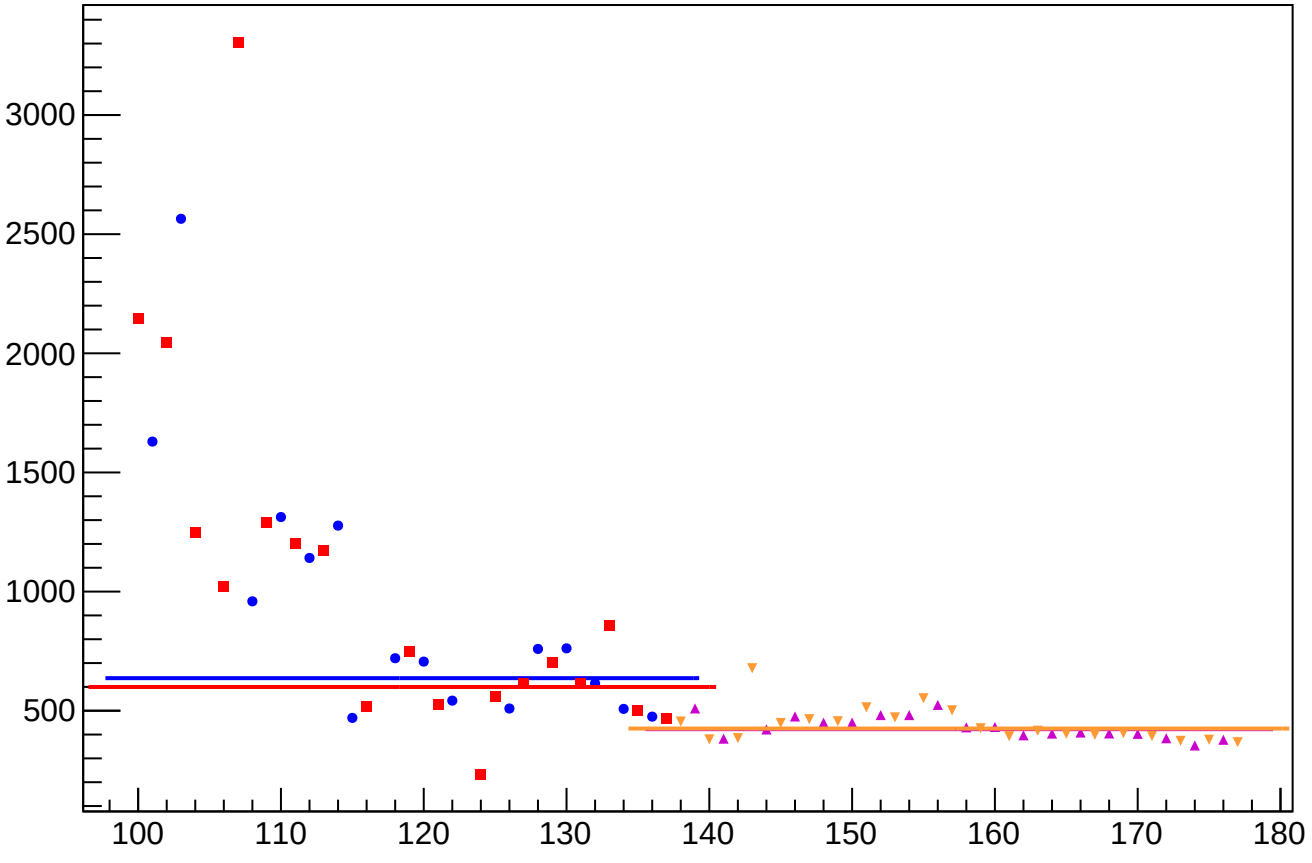
Left In: 83.734+/-108.106 χ^2/NDF:25.2/18

+ sign 429.530+/-97.678 χ^2/NDF: 79.5/36

All: 285.953+/-69.670 χ^2/NDF: 122.5/74

- sign 137.269+/-99.400 χ^2/NDF: 38.6/37

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 425.248+/-0.075 χ^2/NDF:610173.5/20

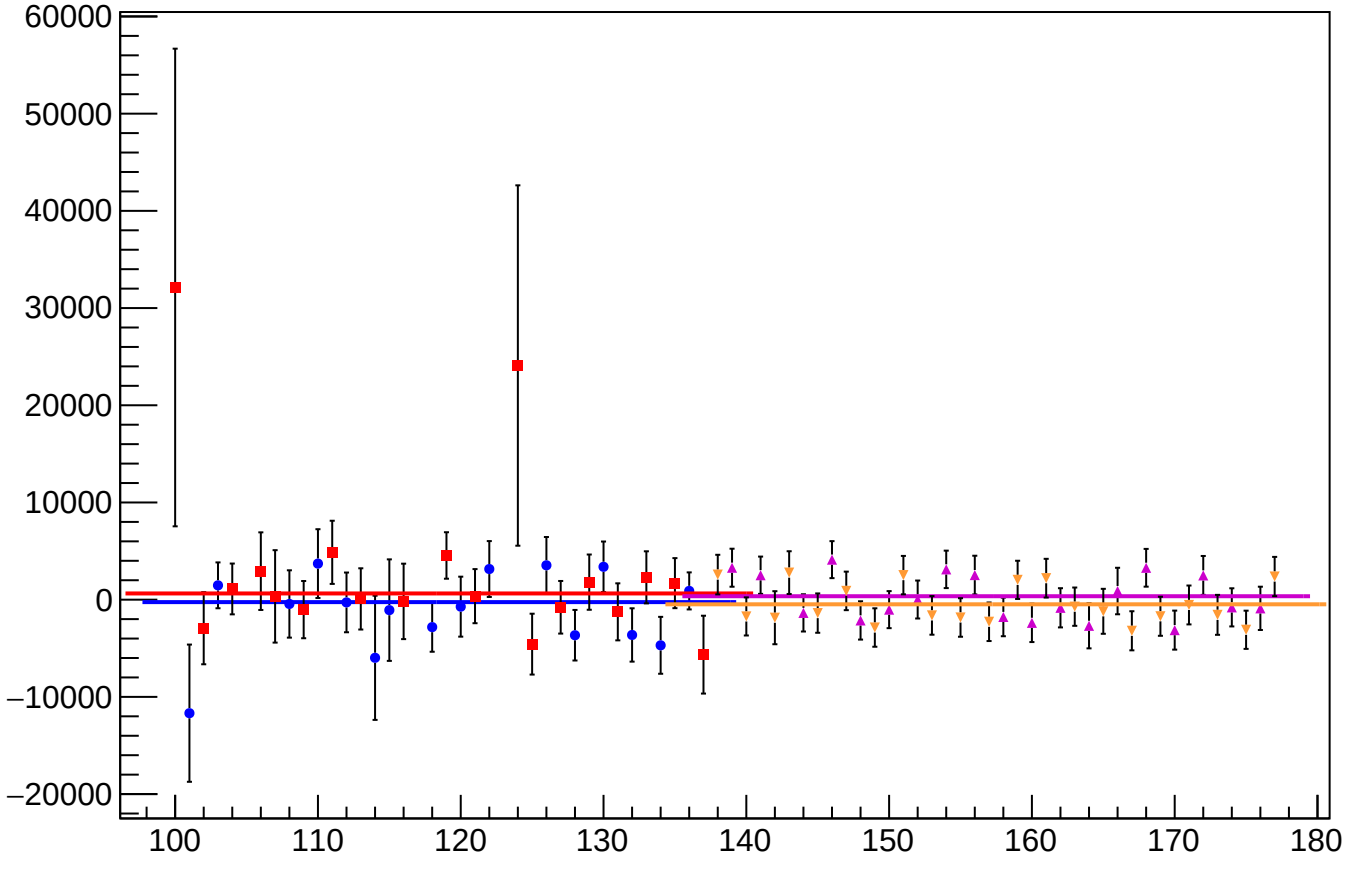
Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 422.580+/-0.076 χ^2/NDF:333496.0/18

+ sign 455.422+/-0.069 χ^2/NDF: 3823677.7/36

All: 452.733+/-0.049 χ^2/NDF: 7933579.4/74

- sign 449.948+/-0.070 χ^2/NDF: 4106815.3/37



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -475.790+/-444.687 χ^2/NDF:21.0/20

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

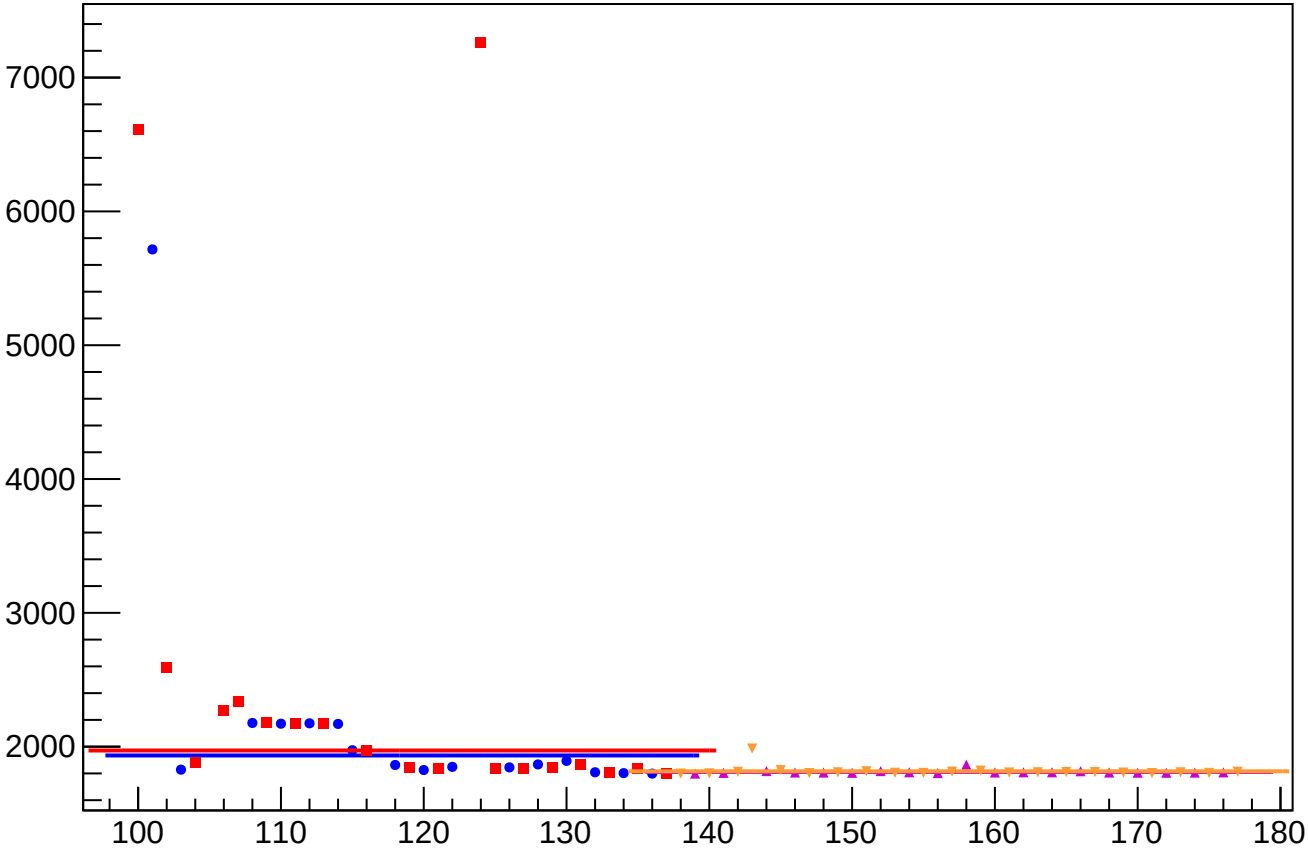
Left In: 355.551+/-459.316 χ^2/NDF:25.9/18

+ sign -415.431+/-380.487 χ^2/NDF: 38.3/36

All: -0.220+/-272.259 χ^2/NDF: 82.8/74

- sign 435.438+/-389.743 χ^2/NDF: 42.0/37

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.982+/-0.314 χ^2/NDF:12854.1/20

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

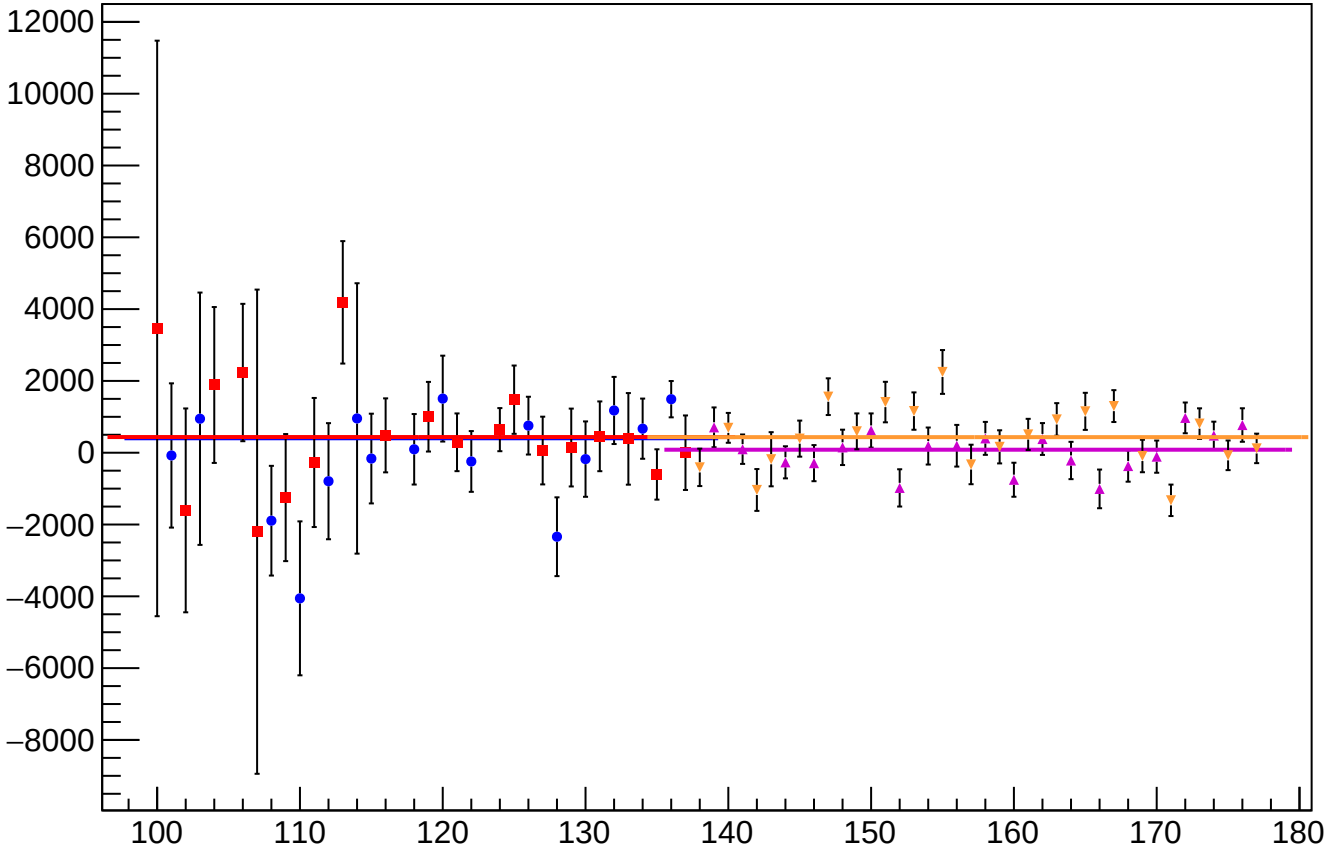
Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

+ sign 1847.657+/-0.269 χ^2/NDF: 690651.3/36

All: 1851.594+/-0.193 χ^2/NDF: 1144535.7/74

- sign 1855.723+/-0.276 χ^2/NDF: 453445.7/37

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 433.984+/-105.495 χ^2/NDF:58.4/20

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

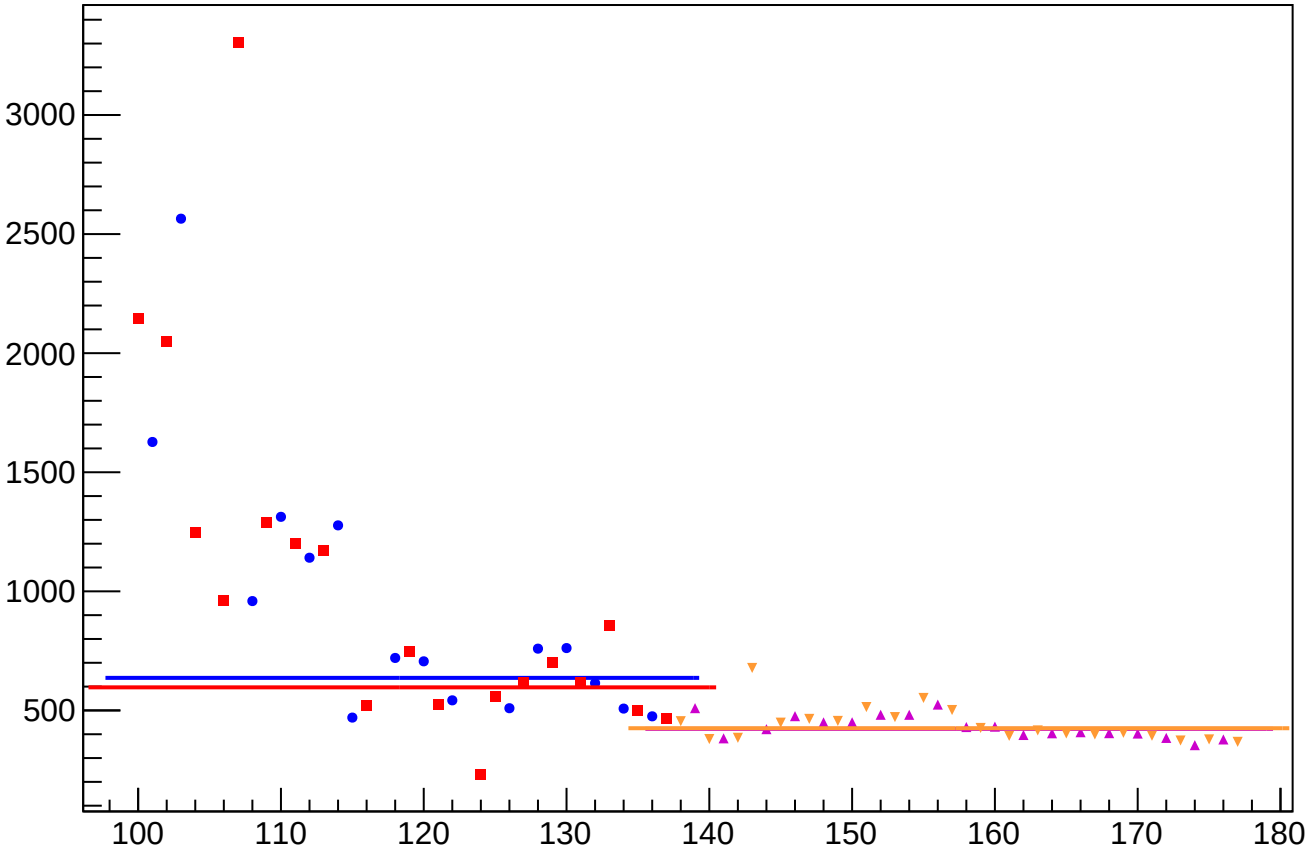
Left In: 83.711+/-108.105 χ^2/NDF:25.2/18

+ sign 429.520+/-97.678 χ^2/NDF: 79.5/36

All: 286.453+/-69.666 χ^2/NDF: 123.1/74

- sign 138.327+/-99.390 χ^2/NDF: 39.3/37

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 425.249+/-0.075 χ^2/NDF:610124.8/20

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

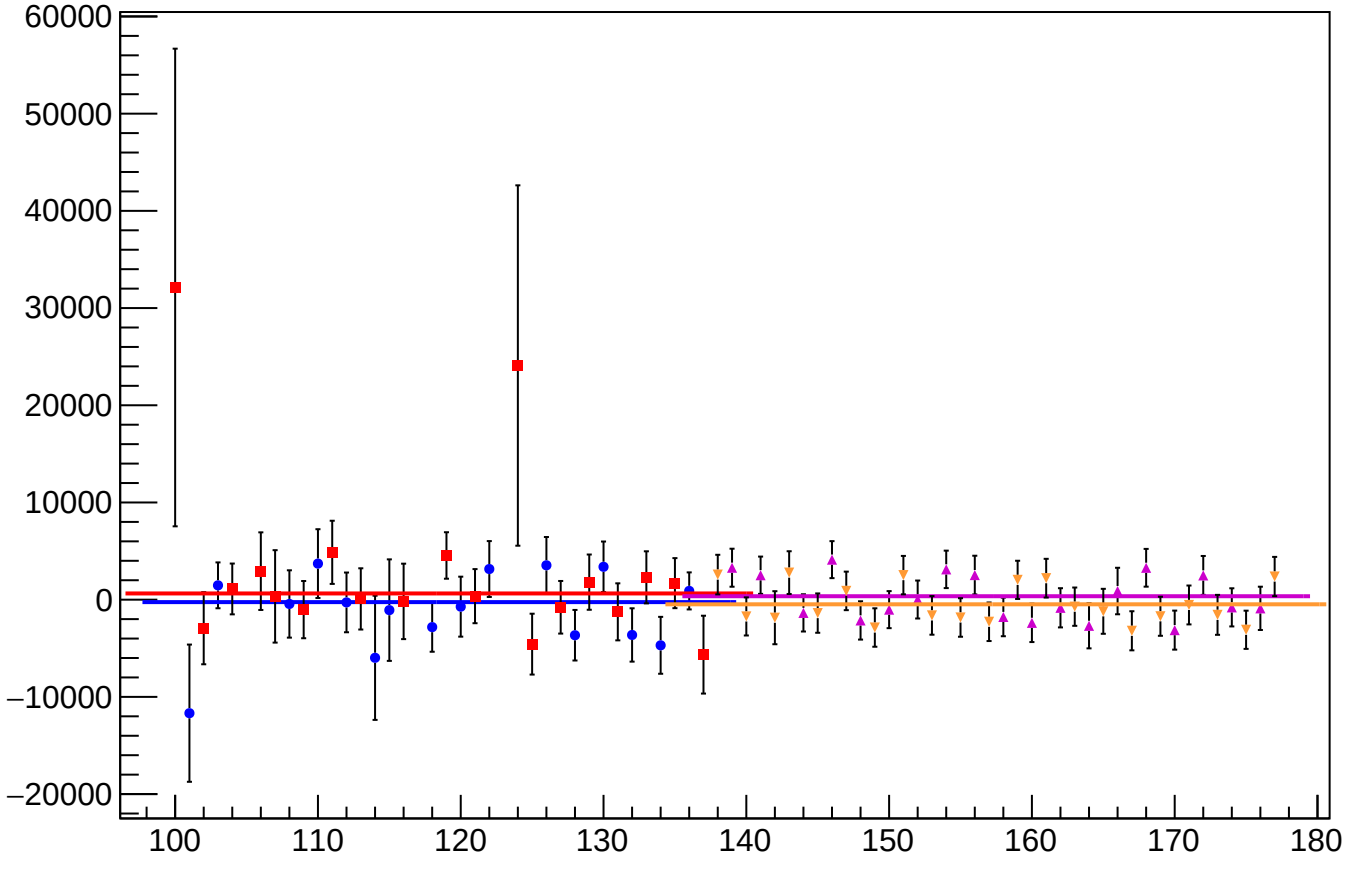
Left In: 422.574+/-0.076 χ^2/NDF:333542.0/18

+ sign 455.425+/-0.069 χ^2/NDF: 3822806.0/36

All: 452.534+/-0.049 χ^2/NDF: 7894704.6/74

- sign 449.542+/-0.070 χ^2/NDF: 4068333.4/37

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -475.790+/-444.687 χ^2/NDF:21.0/20

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

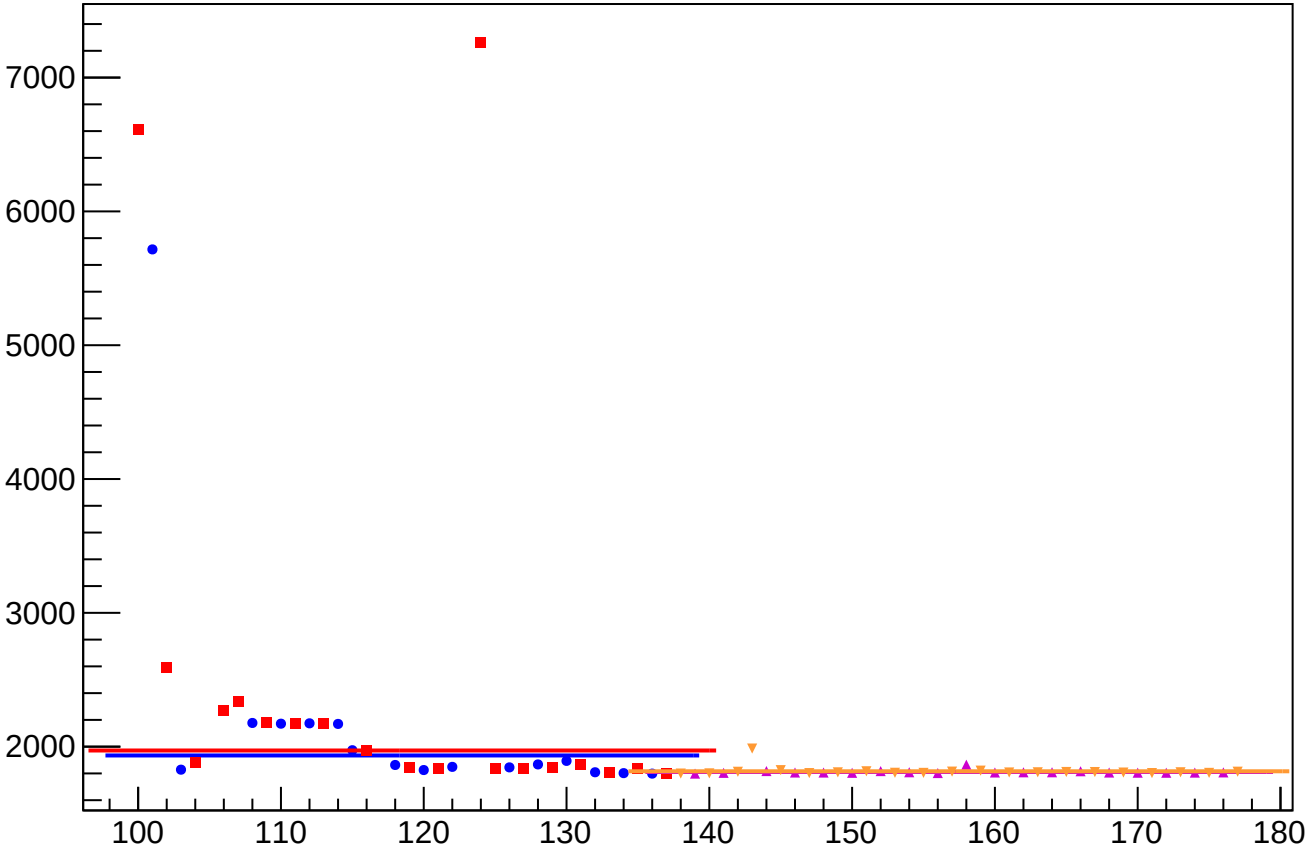
Left In: 355.551+/-459.316 χ^2/NDF:25.9/18

+ sign -415.431+/-380.487 χ^2/NDF: 38.3/36

All: -0.220+/-272.259 χ^2/NDF: 82.8/74

- sign 435.438+/-389.743 χ^2/NDF: 42.0/37

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.982+/-0.314 χ^2/NDF:12854.1/20

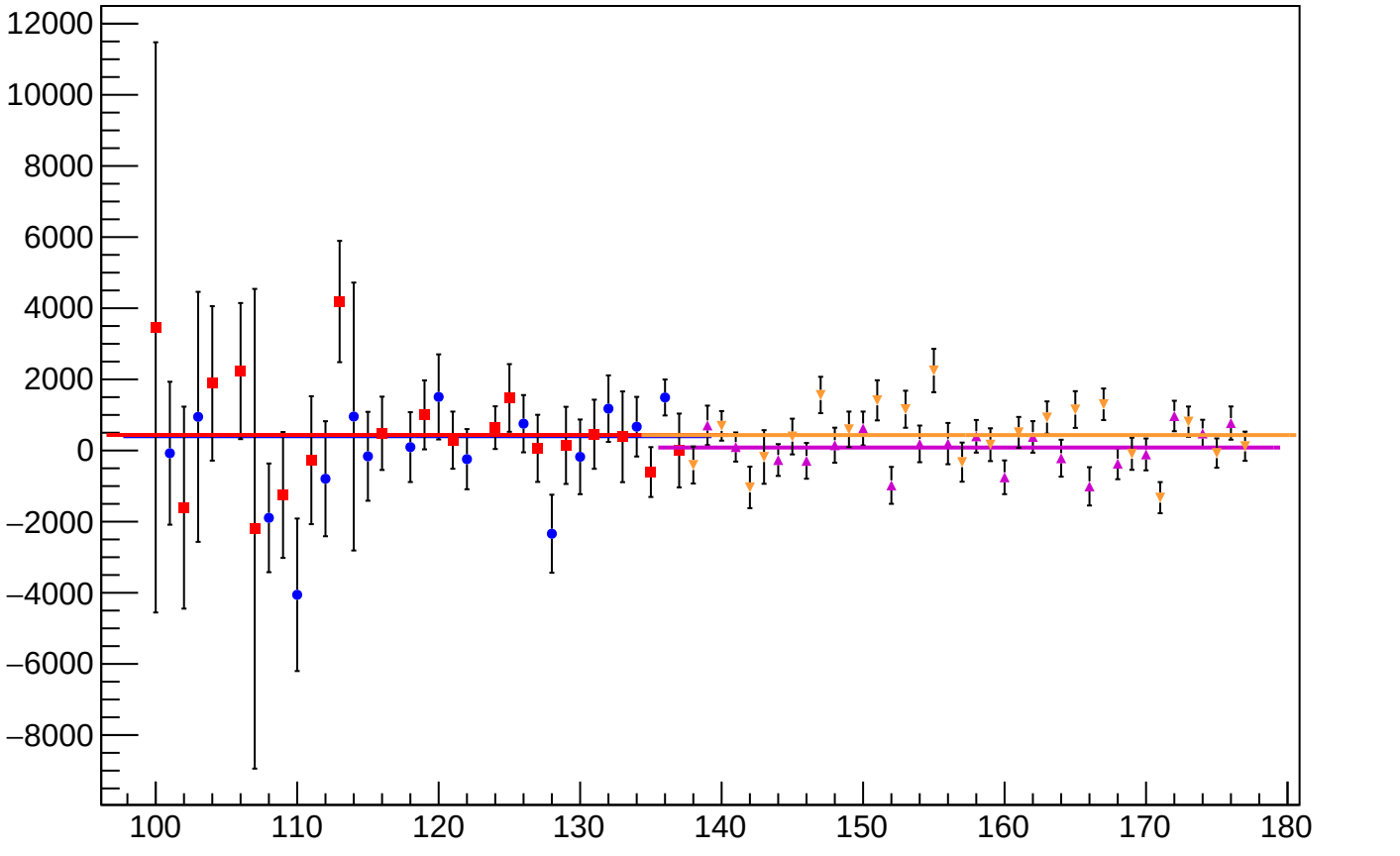
Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

+ sign 1847.657+/-0.269 χ^2/NDF: 690651.3/36

All: 1851.594+/-0.193 χ^2/NDF: 1144535.7/74

- sign 1855.723+/-0.276 χ^2/NDF: 453445.7/37



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 433.984+/-105.495 χ^2/NDF:58.4/20

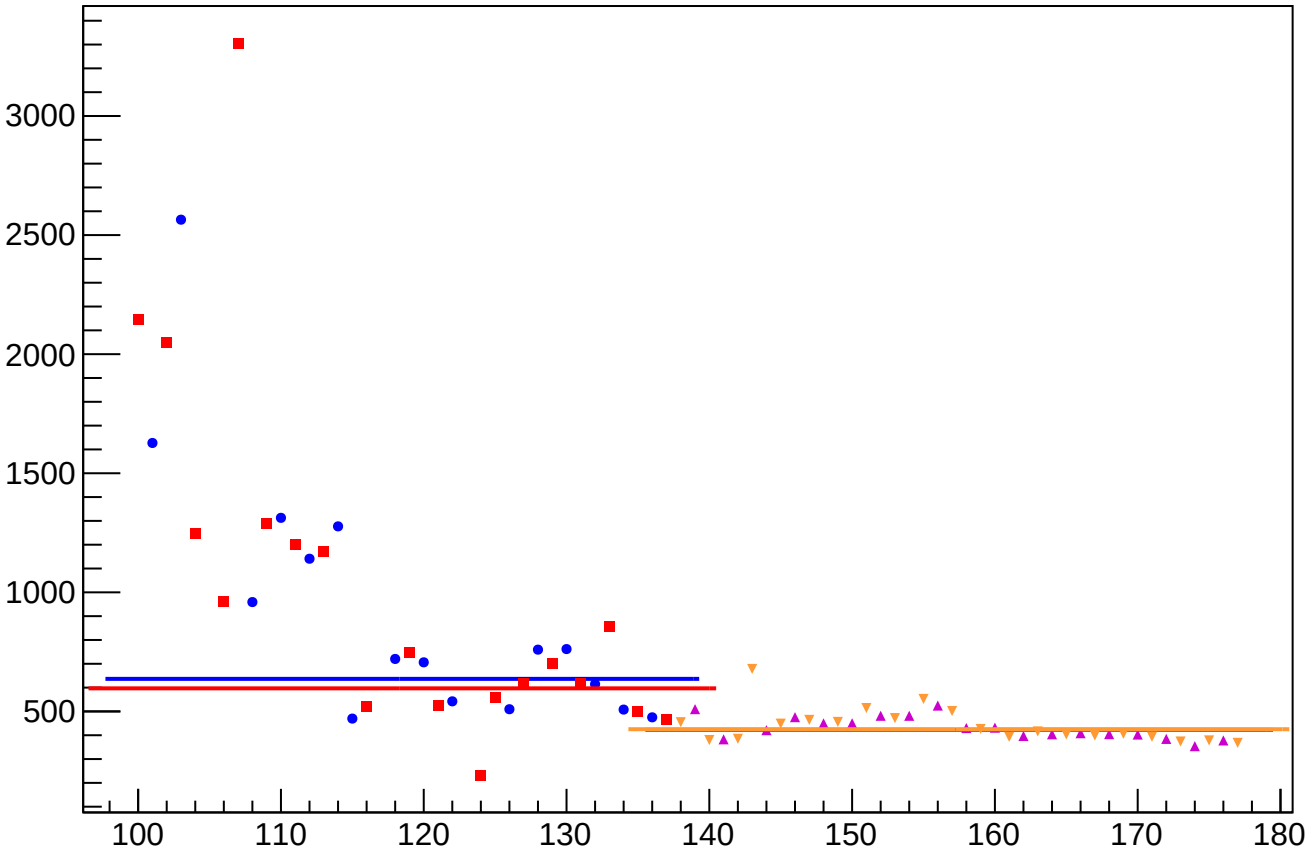
Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 83.711+/-108.105 χ^2/NDF:25.2/18

+ sign 429.520+/-97.678 χ^2/NDF: 79.5/36

All: 286.453+/-69.666 χ^2/NDF: 123.1/74

- sign 138.327+/-99.390 χ^2/NDF: 39.3/37



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 425.249+/-0.075 χ^2/NDF:610124.8/20

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

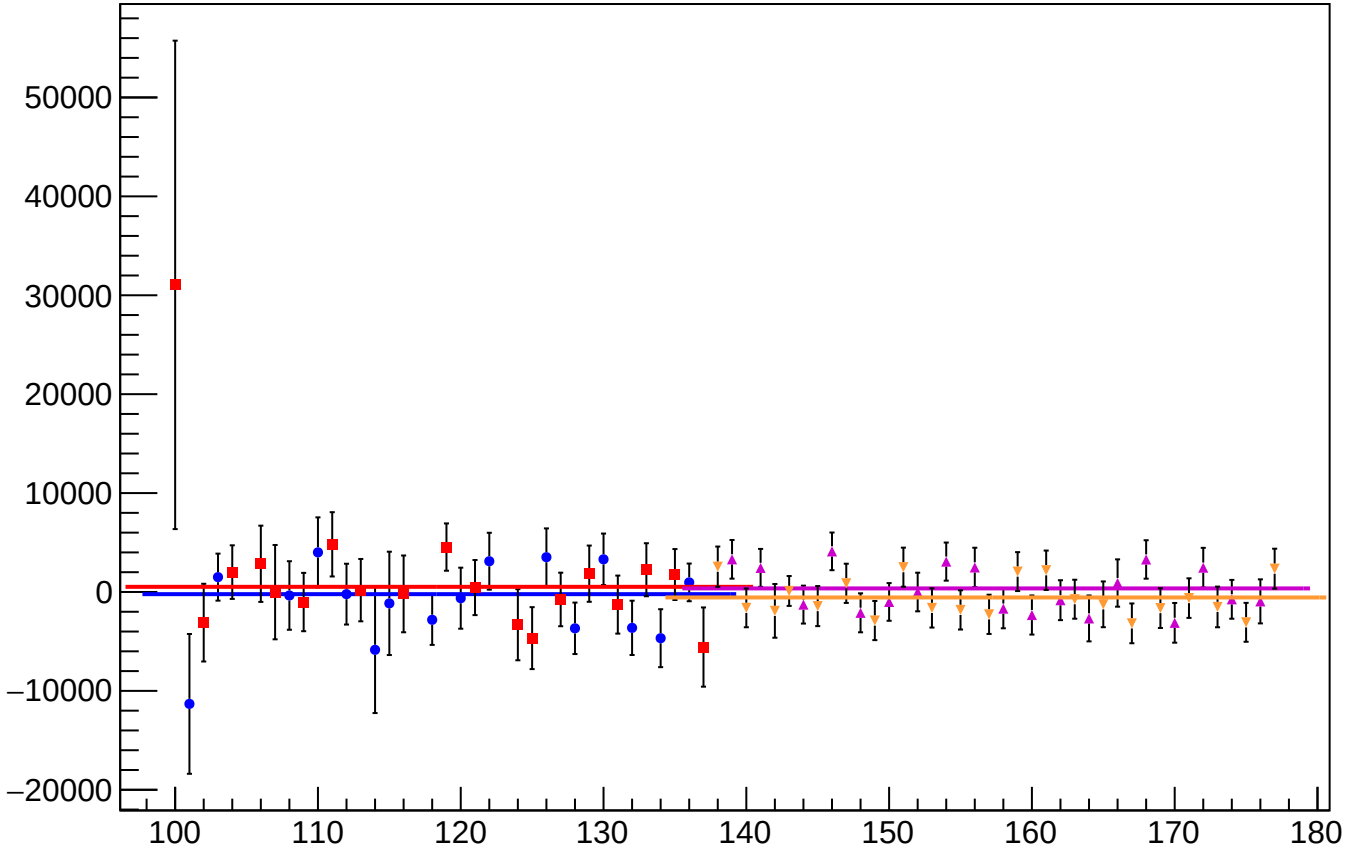
Left In: 422.574+/-0.076 χ^2/NDF:333542.0/18

+ sign 455.425+/-0.069 χ^2/NDF: 3822806.0/36

All: 452.534+/-0.049 χ^2/NDF: 7894704.6/74

- sign 449.542+/-0.070 χ^2/NDF: 4068333.4/37

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -554.612+/-434.922 χ^2/NDF:18.7/20

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

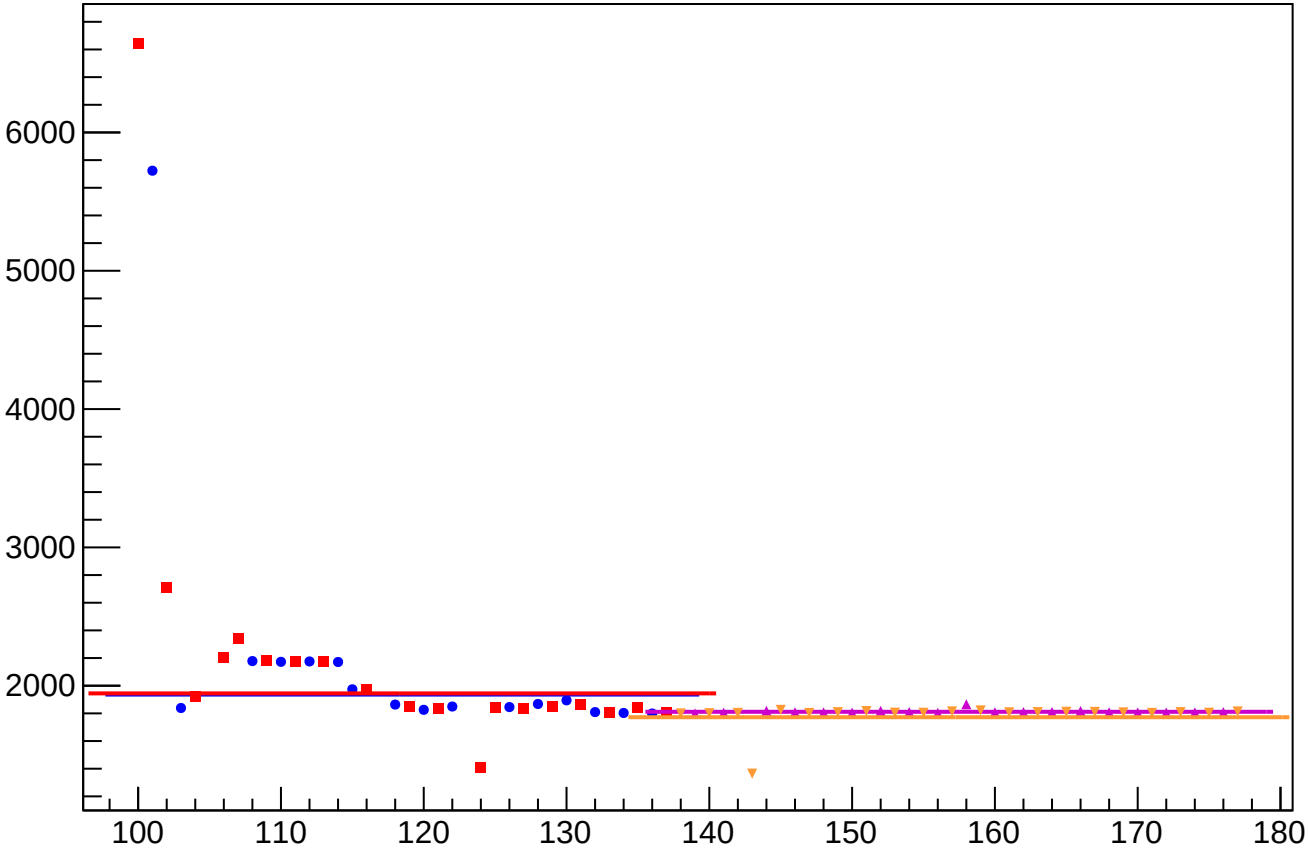
Left In: 360.759+/-459.472 χ^2/NDF:25.3/18

\+ sign -468.091+/-374.418 χ^2/NDF: 35.9/36

All: -46.491+/-269.459 χ^2/NDF: 79.5/74

\- sign 406.468+/-388.094 χ^2/NDF: 41.0/37

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1772.162+/-0.308 χ^2/NDF:159594.3/20

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

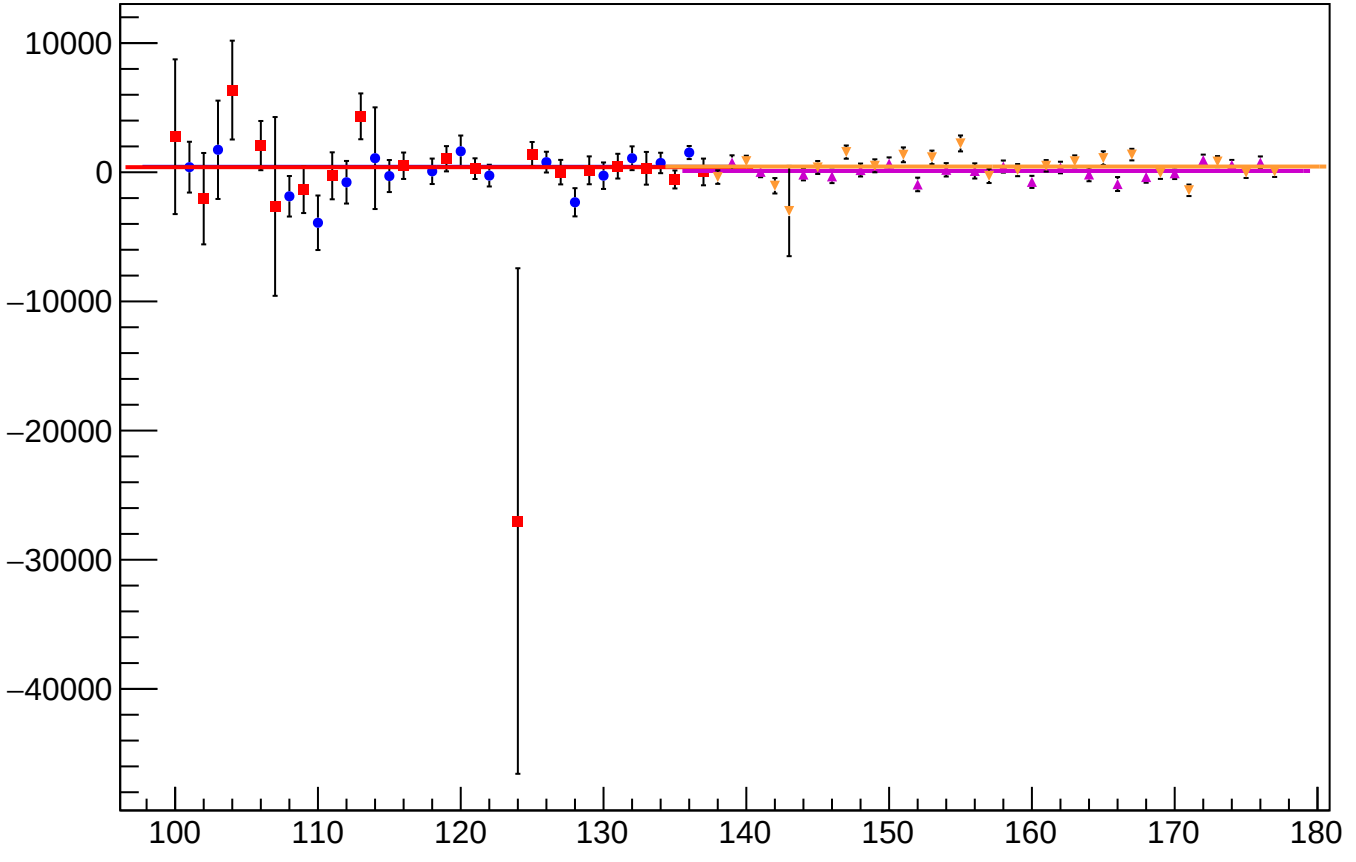
Left In: 1811.369+/-0.325 χ^2/NDF:1800.9/18

+ sign 1814.569+/-0.265 χ^2/NDF: 872851.8/36

All: 1831.417+/-0.191 χ^2/NDF: 1207389.2/74

- sign 1849.518+/-0.274 χ^2/NDF: 326137.0/37

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 441.995+/-107.938 χ^2/NDF:57.8/20

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

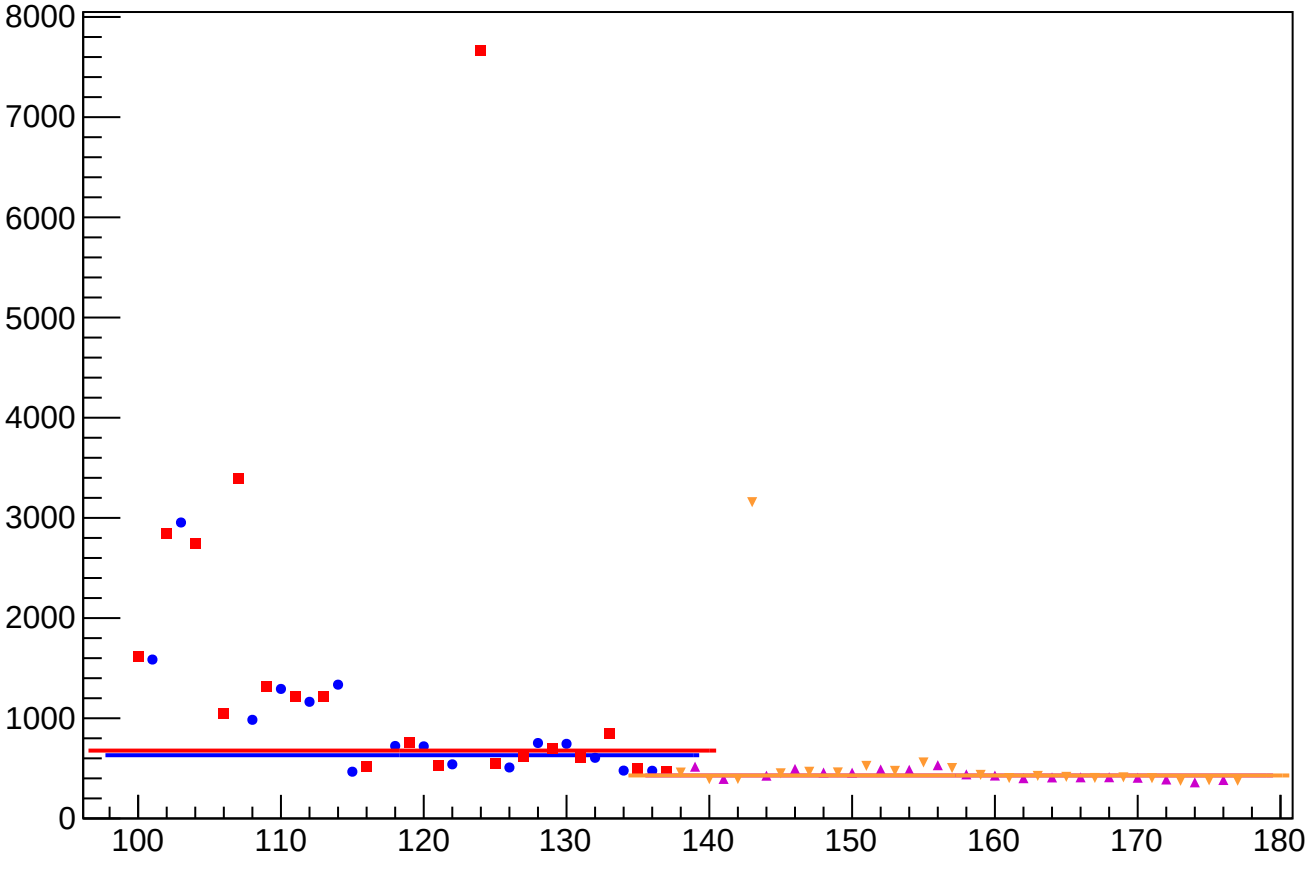
Left In: 98.812+/-109.667 χ^2/NDF:23.9/18

+ sign 438.864+/-99.502 χ^2/NDF: 79.3/36

All: 292.358+/-71.257 χ^2/NDF: 124.5/74

- sign 138.124+/-102.093 χ^2/NDF: 40.7/37

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 429.099+/-0.076 χ^2/NDF:1579391.7/20

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

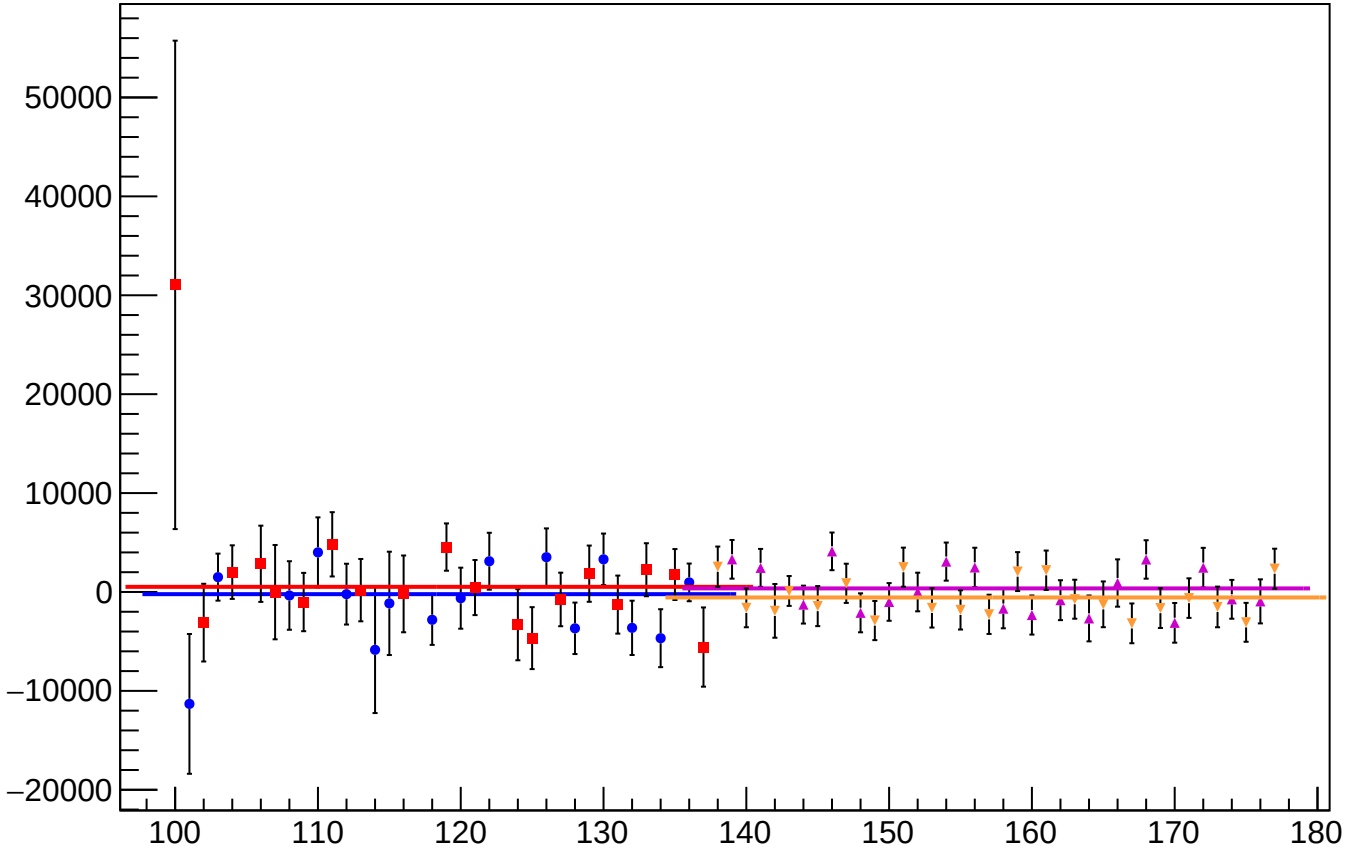
Left In: 429.134+/-0.078 χ^2/NDF:334231.3/18

+ sign 459.444+/-0.070 χ^2/NDF: 4866337.5/36

All: 460.810+/-0.050 χ^2/NDF: 9650247.6/74

- sign 462.249+/-0.072 χ^2/NDF: 4783136.3/37

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -554.612+/-434.922 χ^2/NDF:18.7/20

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

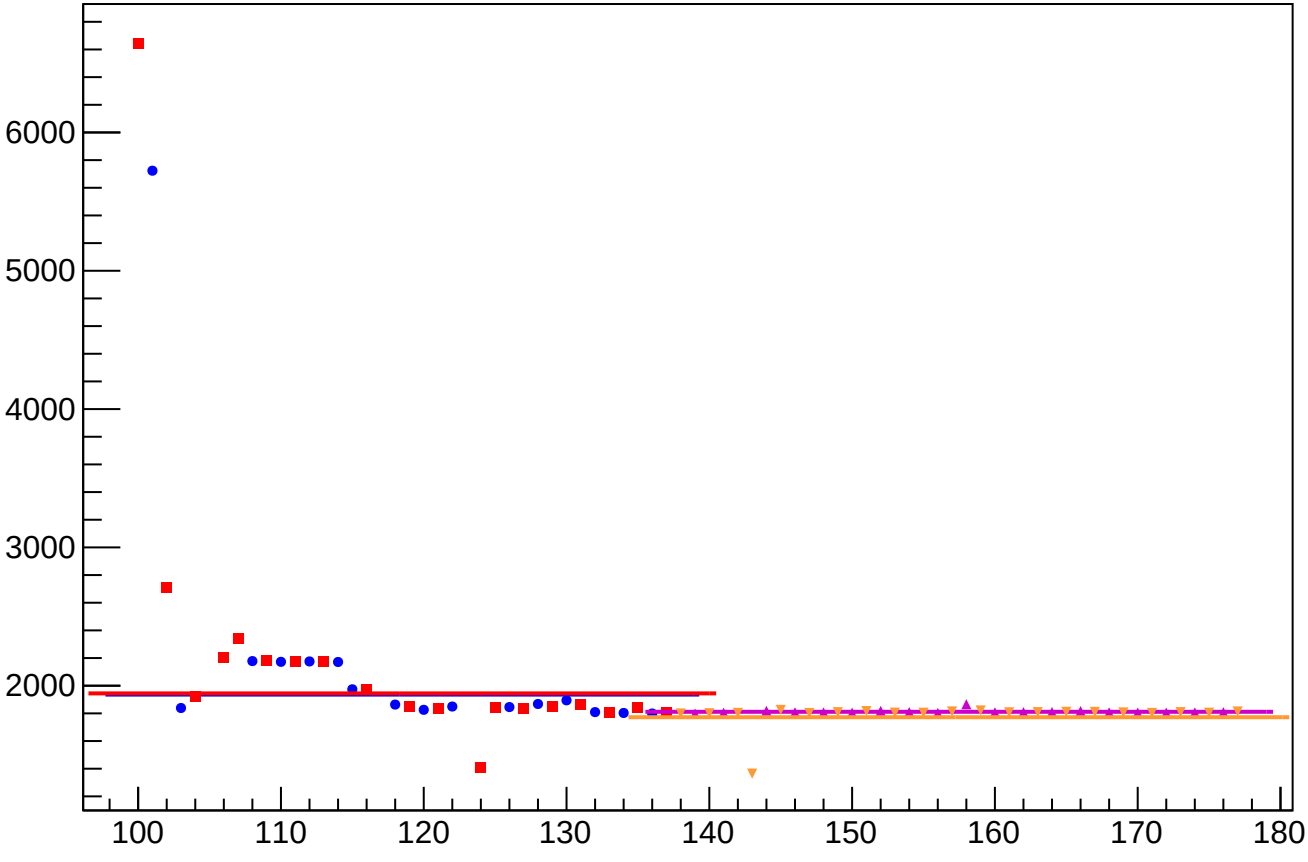
Left In: 360.759+/-459.472 χ^2/NDF:25.3/18

+ sign -468.091+/-374.418 χ^2/NDF: 35.9/36

All: -46.492+/-269.459 χ^2/NDF: 79.5/74

- sign 406.468+/-388.094 χ^2/NDF: 41.0/37

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1772.162+/-0.308 χ^2/NDF:159594.2/20

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

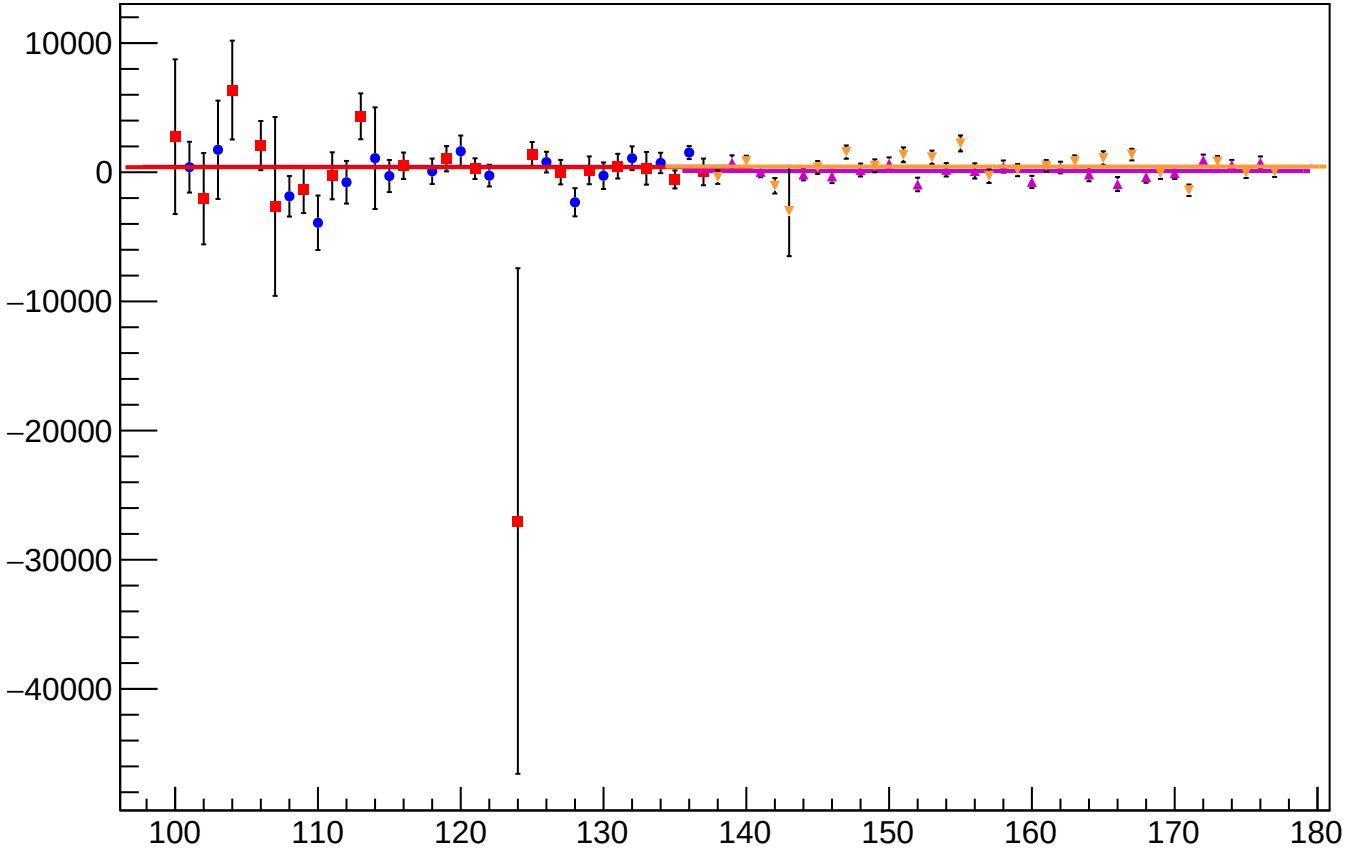
Left In: 1811.369+/-0.325 χ^2/NDF:1800.9/18

+ sign 1814.569+/-0.265 χ^2/NDF: 872851.8/36

All: 1831.417+/-0.191 χ^2/NDF: 1207389.0/74

- sign 1849.518+/-0.274 χ^2/NDF: 326136.8/37

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 441.995+/-107.937 χ^2/NDF:57.8/20

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

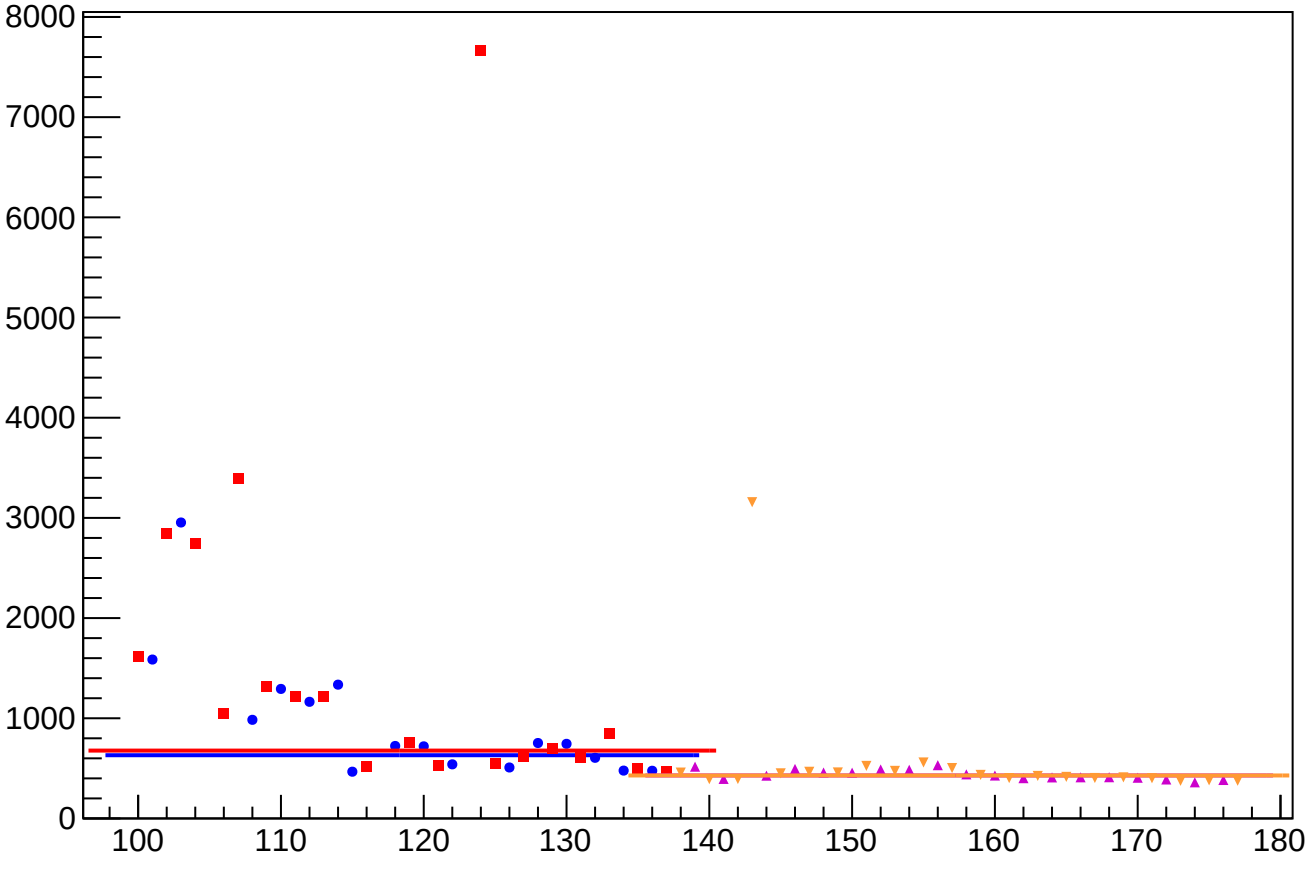
Left In: 98.811+/-109.667 χ^2/NDF:23.9/18

+ sign 438.863+/-99.502 χ^2/NDF: 79.3/36

All: 292.357+/-71.257 χ^2/NDF: 124.5/74

- sign 138.123+/-102.093 χ^2/NDF: 40.7/37

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 429.099+/-0.076 χ^2/NDF:1579393.1/20

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

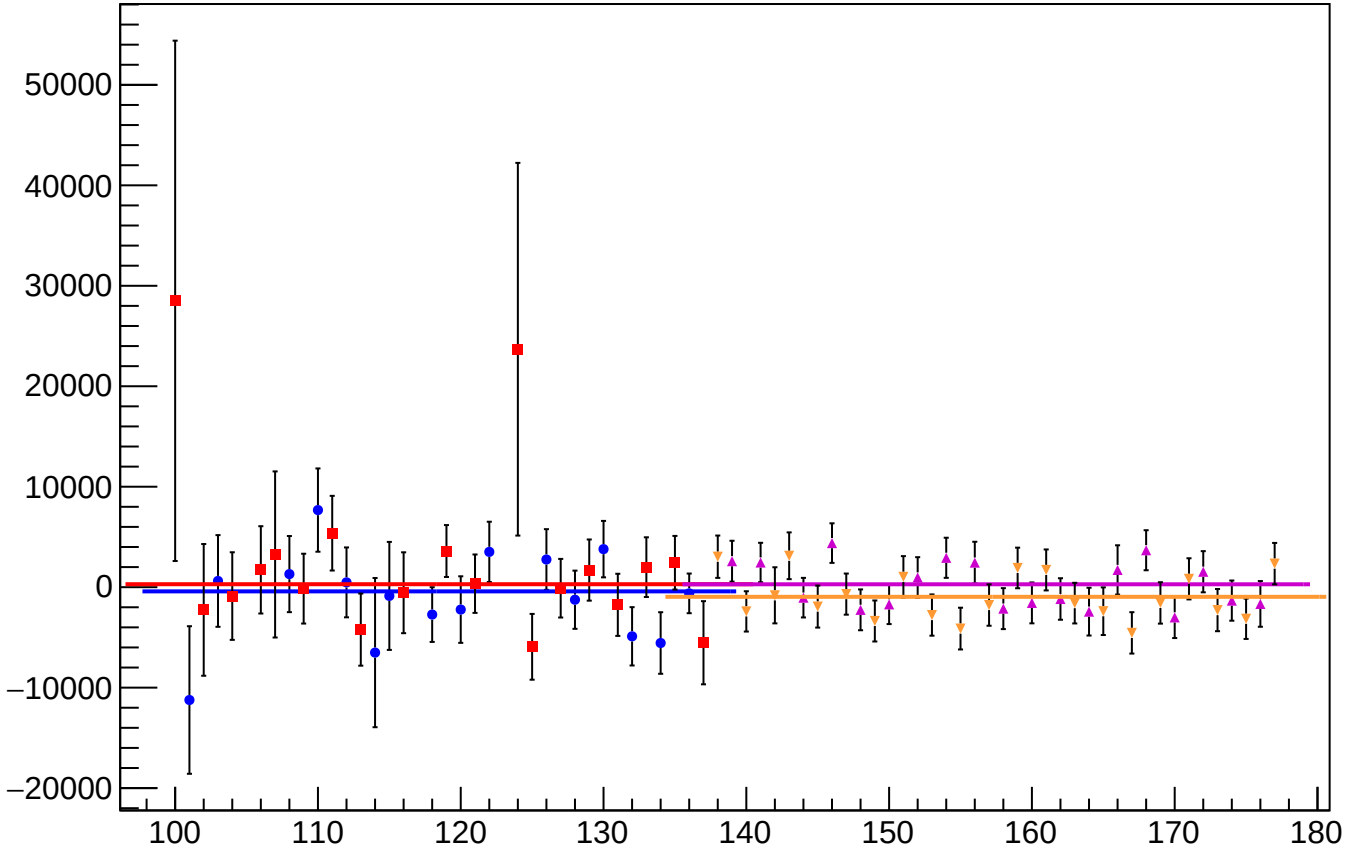
Left In: 429.134+/-0.078 χ^2/NDF:334234.3/18

+ sign 459.444+/-0.070 χ^2/NDF: 4866339.2/36

All: 460.810+/-0.050 χ^2/NDF: 9650253.6/74

- sign 462.248+/-0.072 χ^2/NDF: 4783140.5/37

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -959.271+/-458.291 χ^2/NDF:25.2/20

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

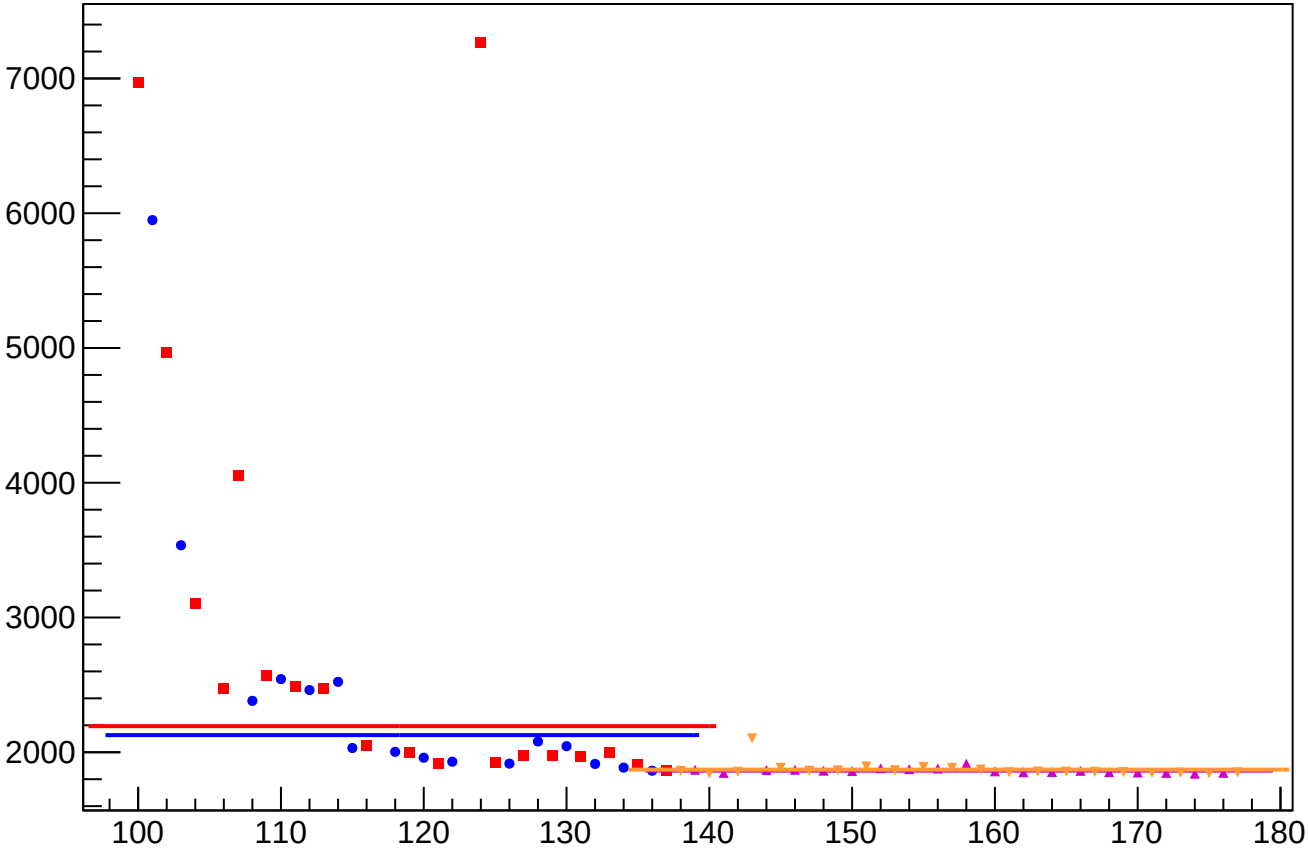
Left In: 288.458+/-472.715 χ^2/NDF:24.4/18

+ sign -829.245+/-399.509 χ^2/NDF: 43.9/36

All: -285.463+/-286.459 χ^2/NDF: 87.8/74

- sign 289.940+/-410.961 χ^2/NDF: 40.1/37

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1871.240+/-0.324 χ^2/NDF:22742.8/20

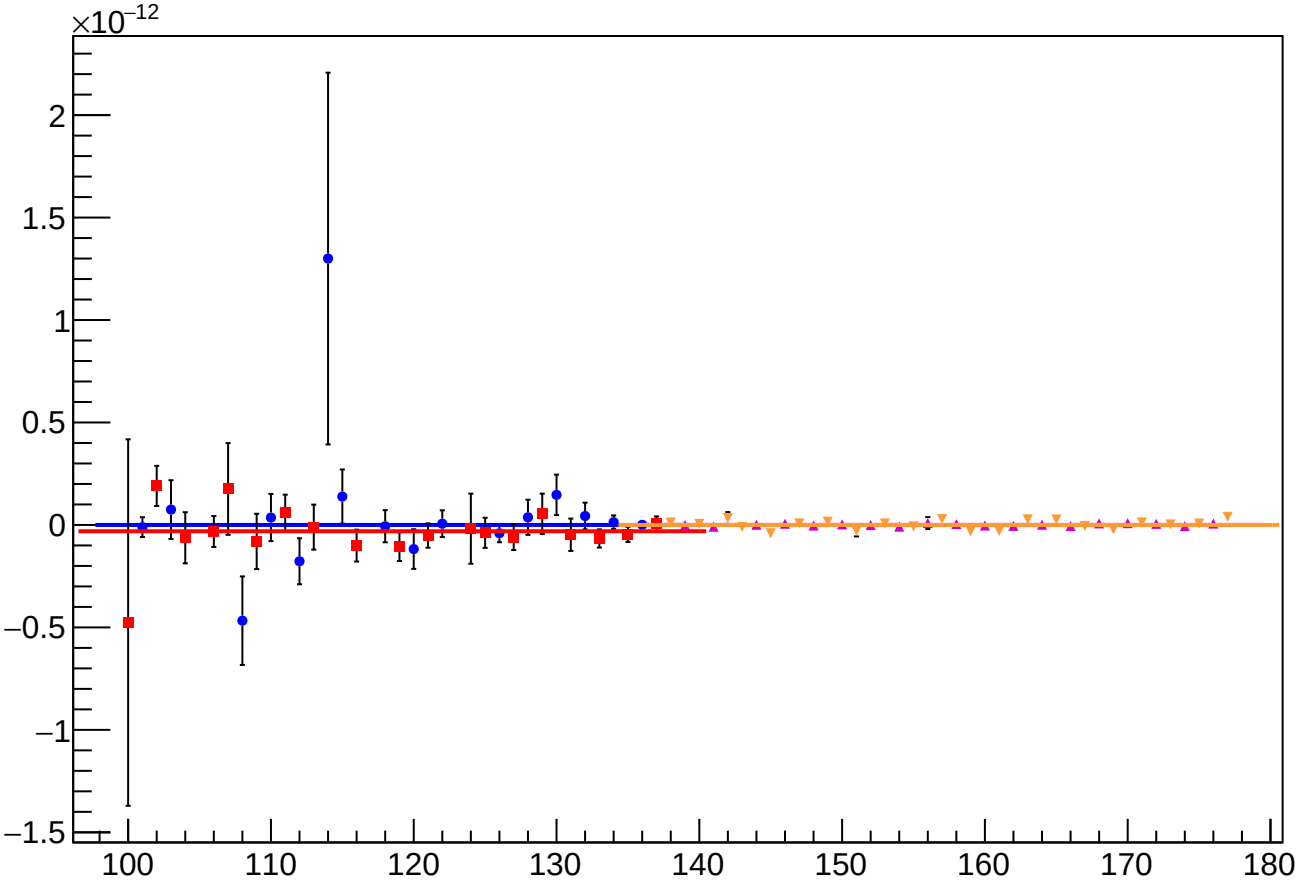
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1863.542+/-0.334 χ^2/NDF:2539.5/18

+ sign 1932.651+/-0.282 χ^2/NDF: 1047409.0/36

All: 1938.231+/-0.203 χ^2/NDF: 2231383.7/74

- sign 1944.135+/-0.291 χ^2/NDF: 1183171.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.7/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

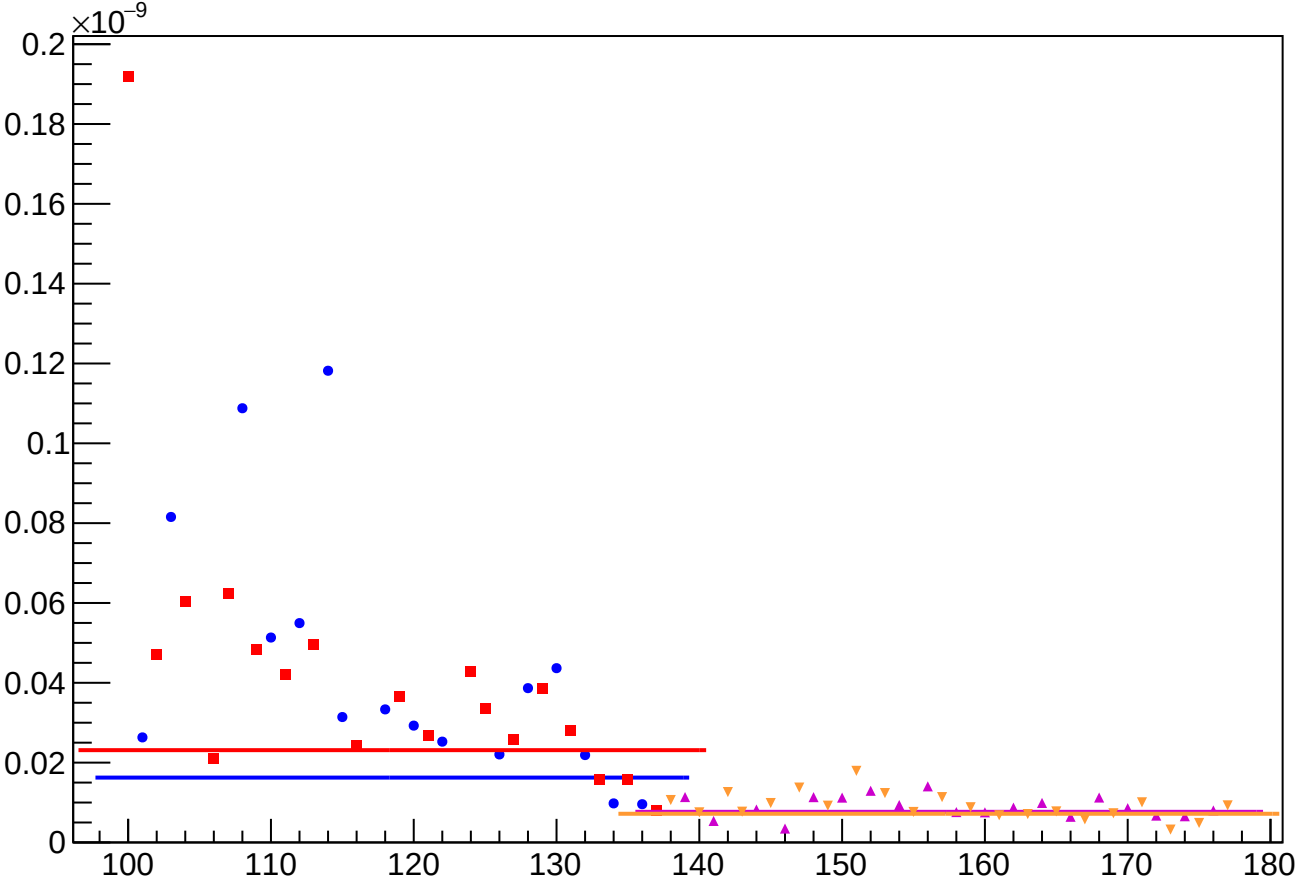
Left In: 0.000+/-0.000 χ^2/NDF:2.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 50.7/36

All: -0.000+/-0.000 χ^2/NDF: 69.5/74

- sign -0.000+/-0.000 χ^2/NDF: 18.7/37

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:1590011.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

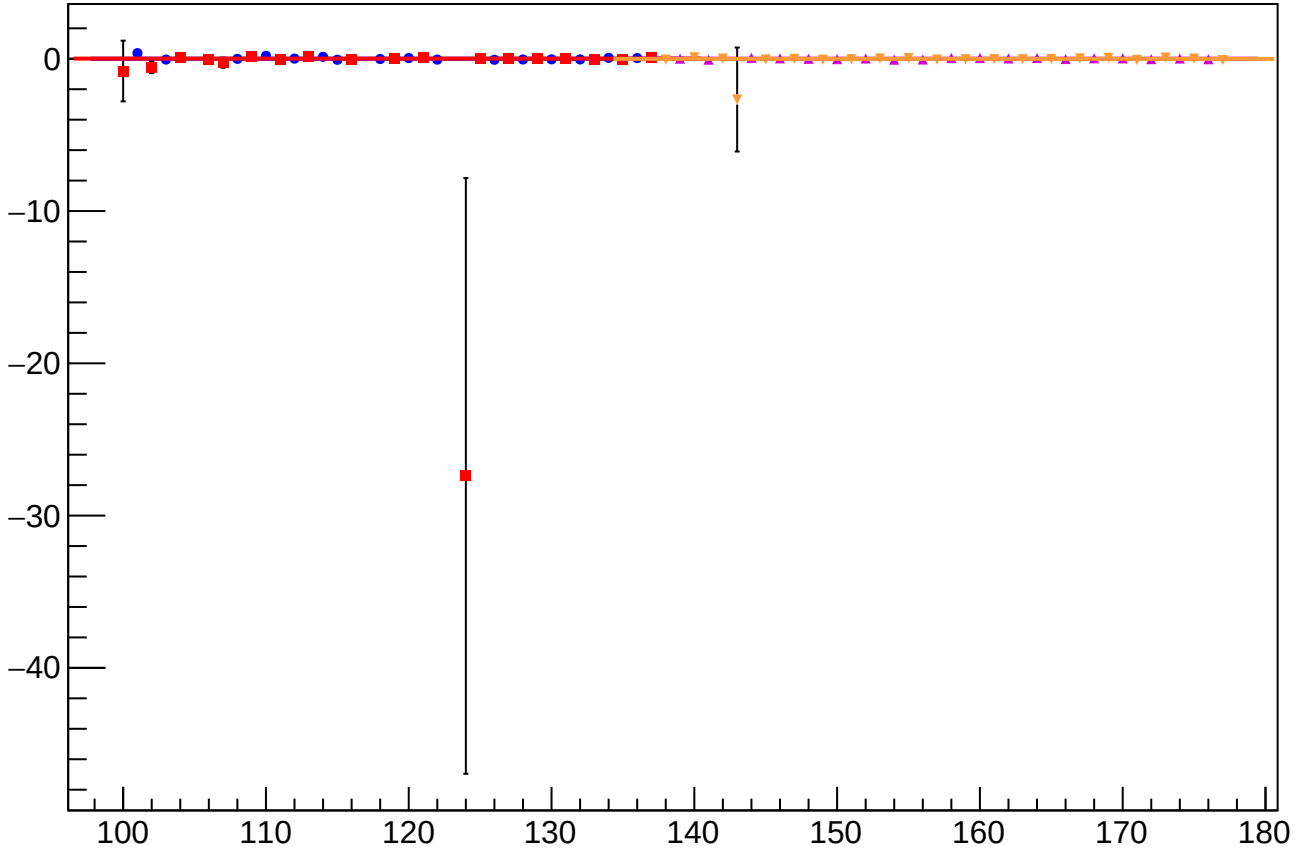
Left In: 0.000+/-0.000 χ^2/NDF:1013269.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 4966902.1/36

All: 0.000+/-0.000 χ^2/NDF: 9266675.4/74

- sign 0.000+/-0.000 χ^2/NDF: 4264878.3/37

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.009 χ^2/NDF:35.2/20

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

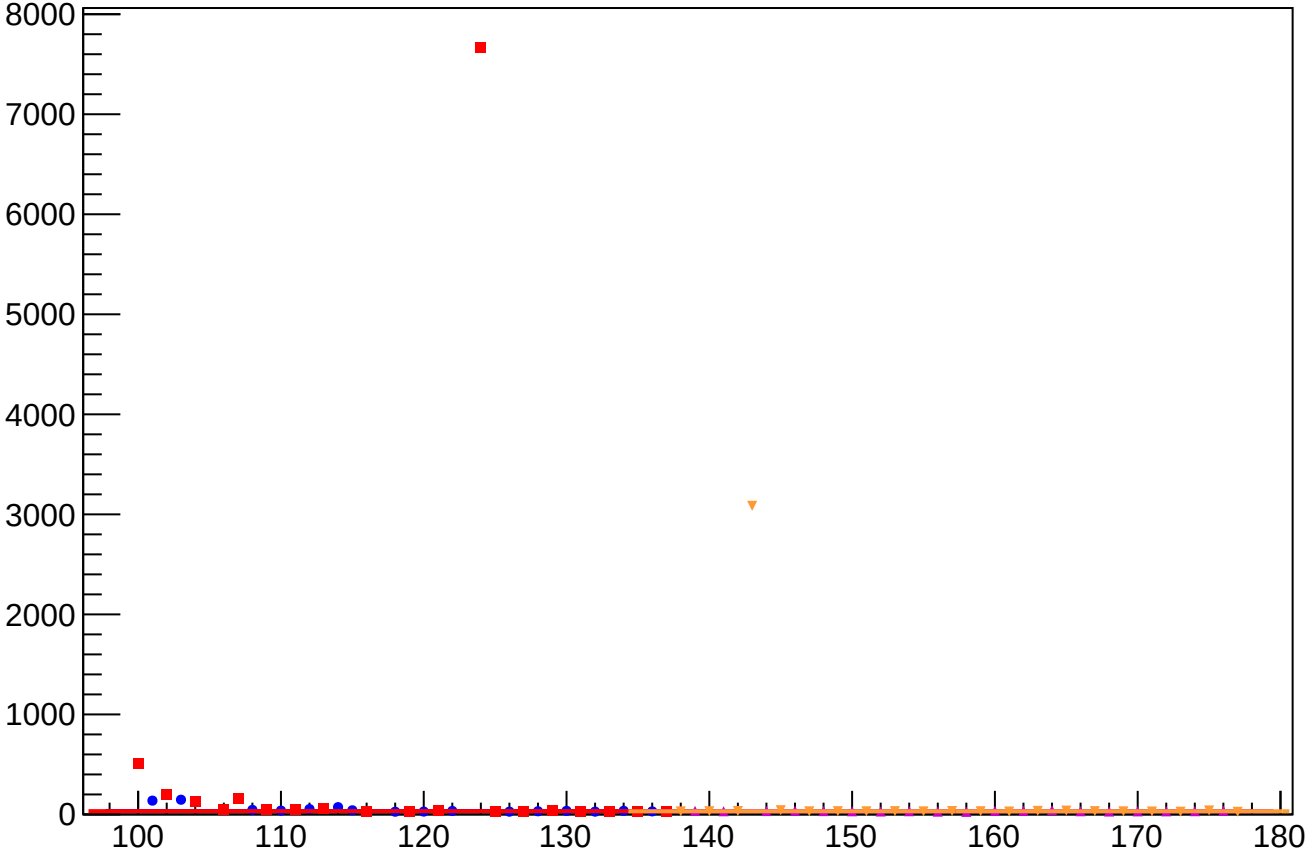
Left In: 0.006+/-0.009 χ^2/NDF:18.5/18

+ sign -0.005+/-0.008 χ^2/NDF: 56.5/36

All: 0.001+/-0.005 χ^2/NDF: 90.7/74

- sign 0.007+/-0.008 χ^2/NDF: 32.8/37

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.793+/-0.006 χ^2/NDF:1915612.3/20

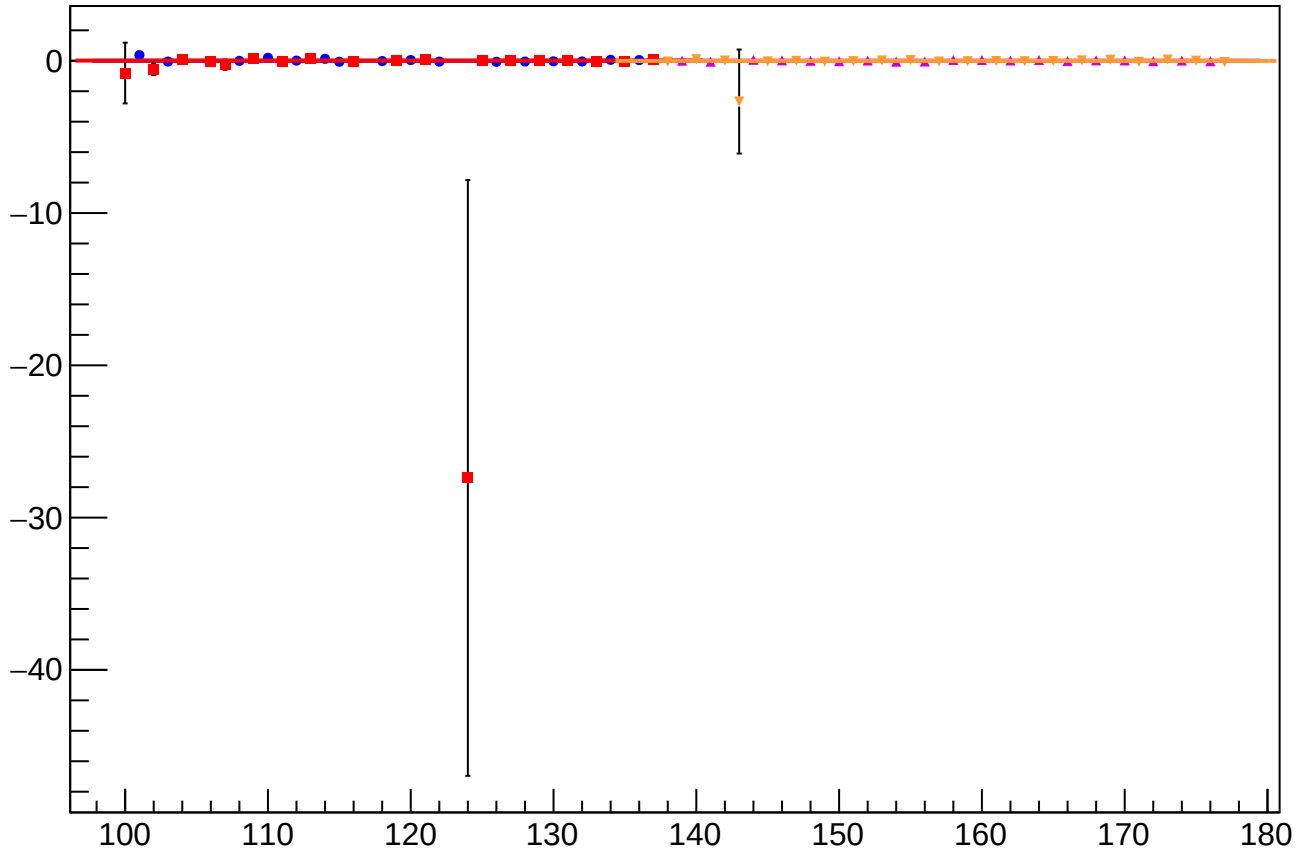
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.401+/-0.006 χ^2/NDF:282766.4/18

+ sign 32.381+/-0.005 χ^2/NDF: 3667676.9/36

All: 32.480+/-0.004 χ^2/NDF: 6029367.2/74

- sign 32.583+/-0.005 χ^2/NDF: 2360980.9/37



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.009 χ^2/NDF:35.2/20

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

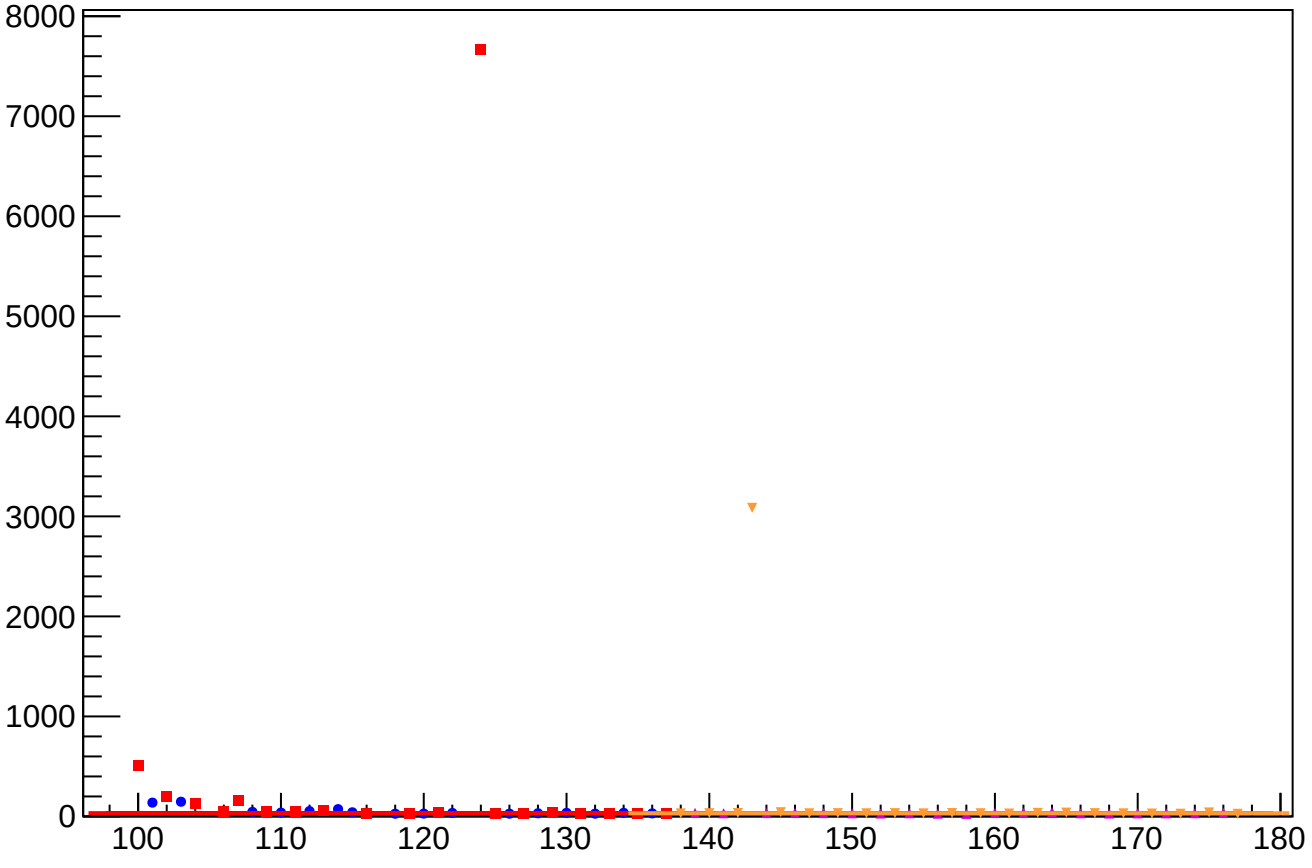
Left In: 0.006+/-0.009 χ^2/NDF:18.5/18

+ sign -0.005+/-0.008 χ^2/NDF: 56.5/36

All: 0.001+/-0.005 χ^2/NDF: 90.7/74

- sign 0.007+/-0.008 χ^2/NDF: 32.8/37

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: 31.793+/-0.006 χ^2/NDF:1915612.3/20

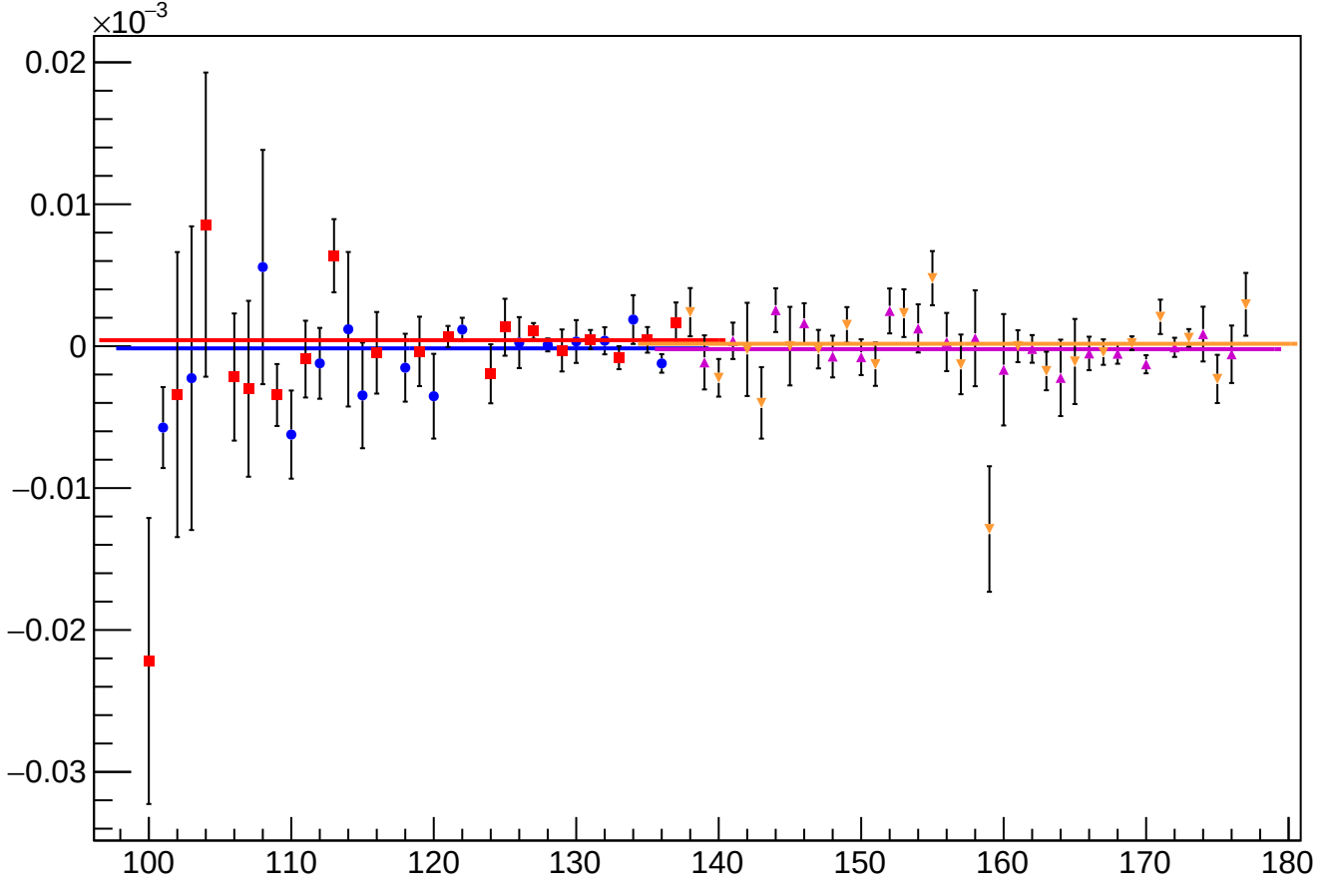
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.401+/-0.006 χ^2/NDF:282766.4/18

+ sign 32.381+/-0.005 χ^2/NDF: 3667676.9/36

All: 32.480+/-0.004 χ^2/NDF: 6029367.2/74

- sign 32.583+/-0.005 χ^2/NDF: 2360980.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

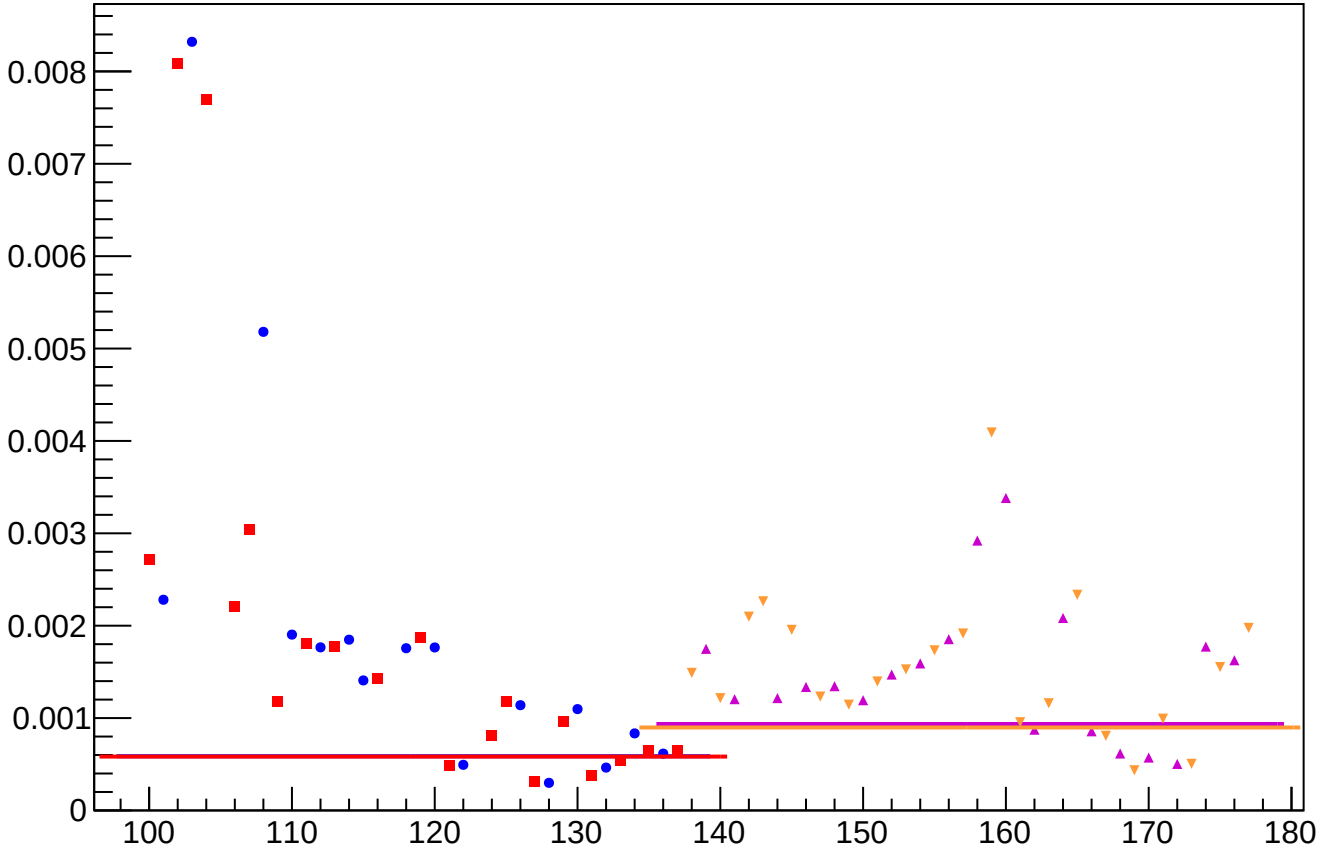
Left In: -0.000+/-0.000 χ^2/NDF:13.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 54.6/36

All: 0.000+/-0.000 χ^2/NDF: 92.3/74

- sign 0.000+/-0.000 χ^2/NDF: 37.6/37

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:8061805.5/20

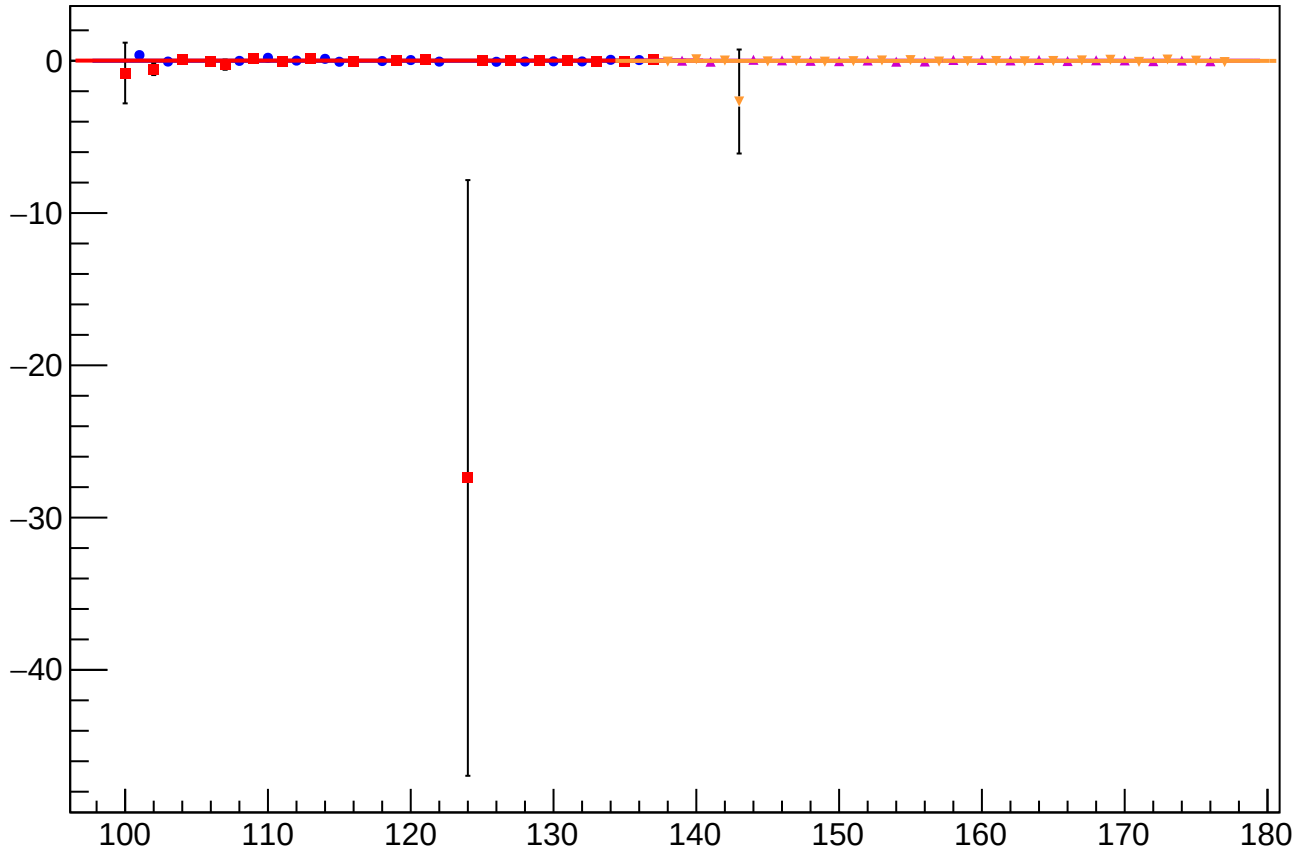
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:6176239.5/18

+ sign 0.001+/-0.000 χ^2/NDF: 14800851.6/36

All: 0.001+/-0.000 χ^2/NDF: 27989781.2/74

- sign 0.001+/-0.000 χ^2/NDF: 13188341.7/37



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.009 χ^2/NDF:35.2/20

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

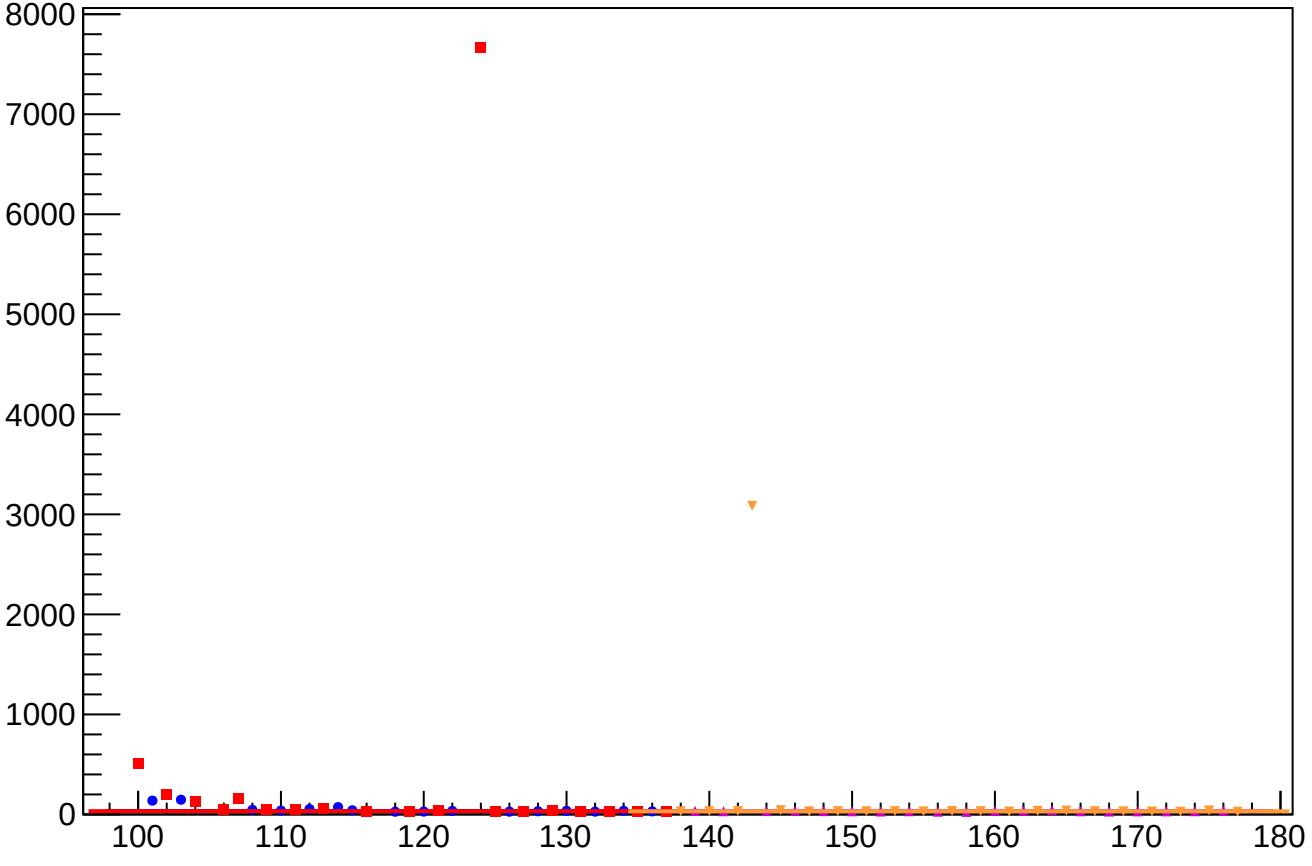
Left In: 0.006+/-0.009 χ^2/NDF:18.5/18

+ sign -0.005+/-0.008 χ^2/NDF: 56.5/36

All: 0.001+/-0.005 χ^2/NDF: 90.7/74

- sign 0.007+/-0.008 χ^2/NDF: 32.8/37

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: 31.793+/-0.006 χ^2/NDF:1915642.4/20

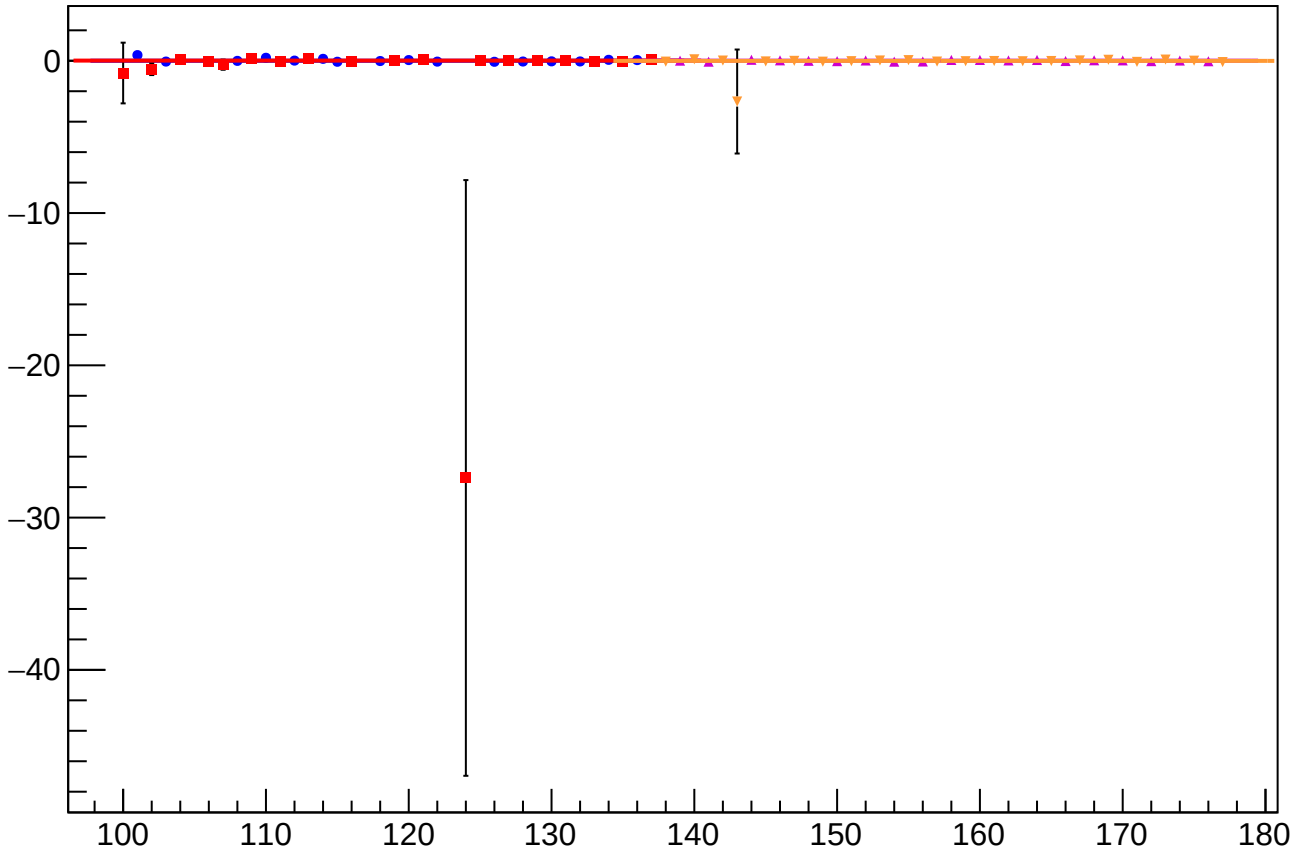
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.402+/-0.006 χ^2/NDF:282686.2/18

\+ sign 32.381+/-0.005 χ^2/NDF: 3667700.2/36

All: 32.480+/-0.004 χ^2/NDF: 6029290.4/74

\- sign 32.583+/-0.005 χ^2/NDF: 2360879.2/37



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.009 χ^2/NDF:35.2/20

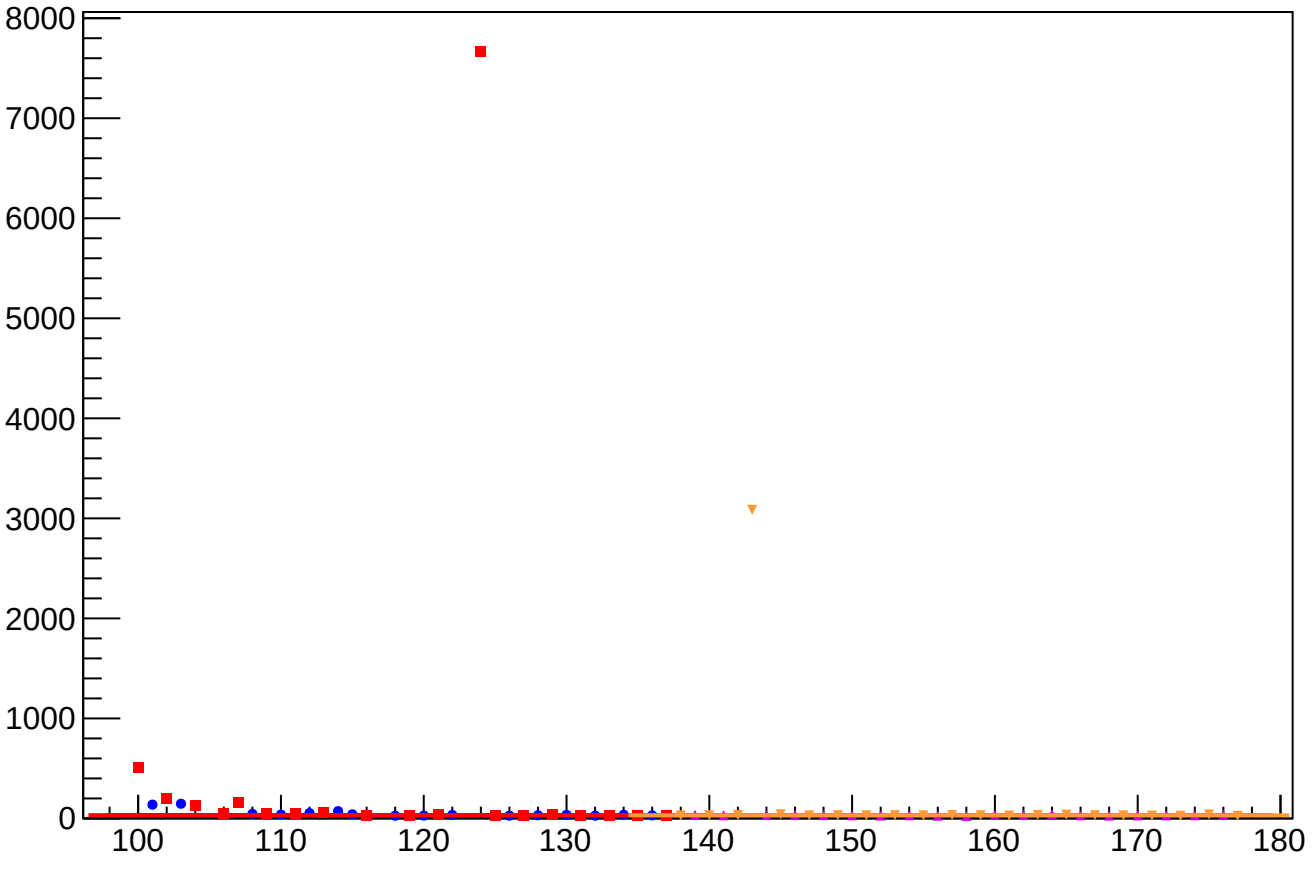
Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.006+/-0.009 χ^2/NDF:18.5/18

+ sign -0.005+/-0.008 χ^2/NDF: 56.5/36

All: 0.001+/-0.005 χ^2/NDF: 90.7/74

- sign 0.007+/-0.008 χ^2/NDF: 32.8/37



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.793+/-0.006 χ^2/NDF:1915642.4/20

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

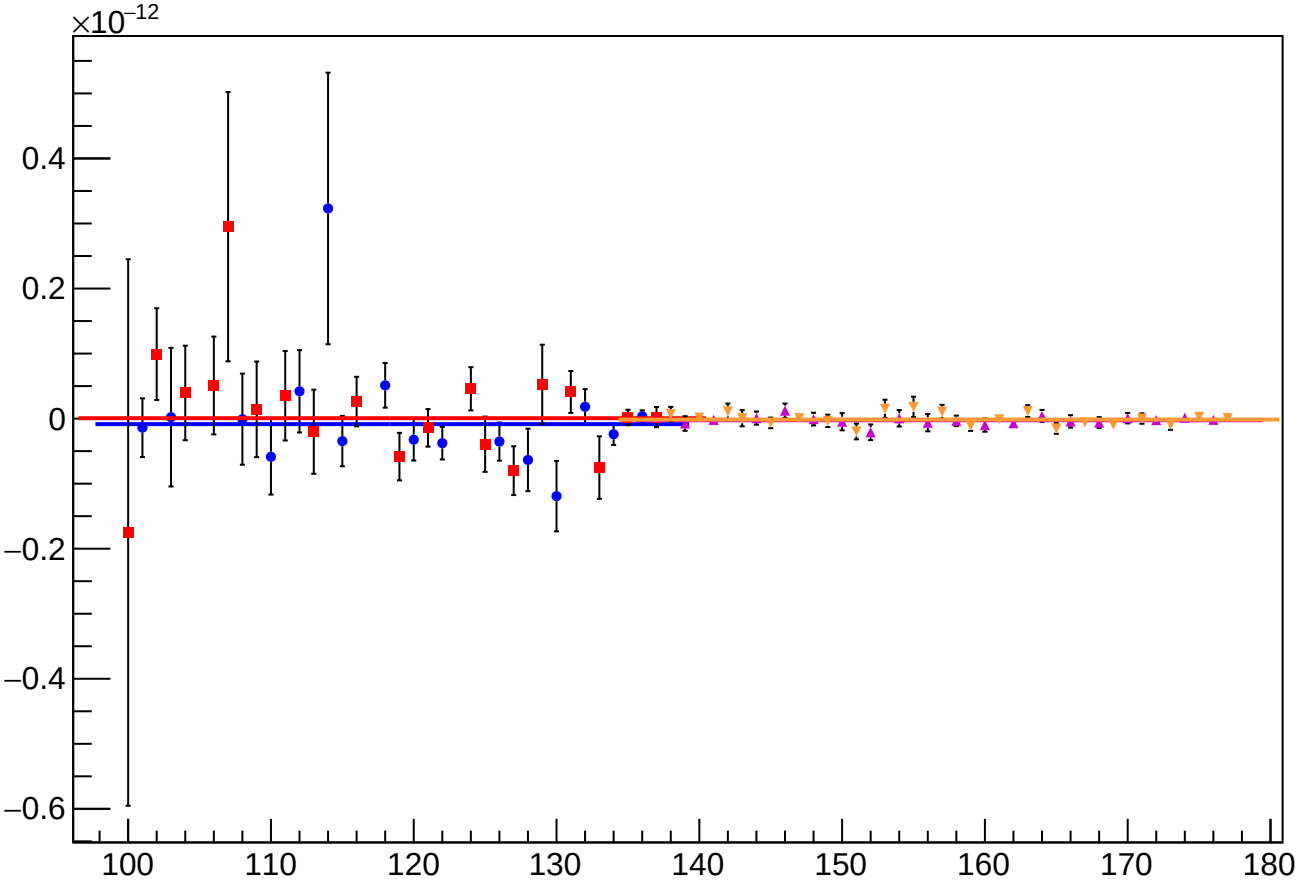
Left In: 32.402+/-0.006 χ^2/NDF:282686.2/18

+ sign 32.381+/-0.005 χ^2/NDF: 3667700.2/36

All: 32.480+/-0.004 χ^2/NDF: 6029290.4/74

- sign 32.583+/-0.005 χ^2/NDF: 2360879.2/37

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:18.4/20

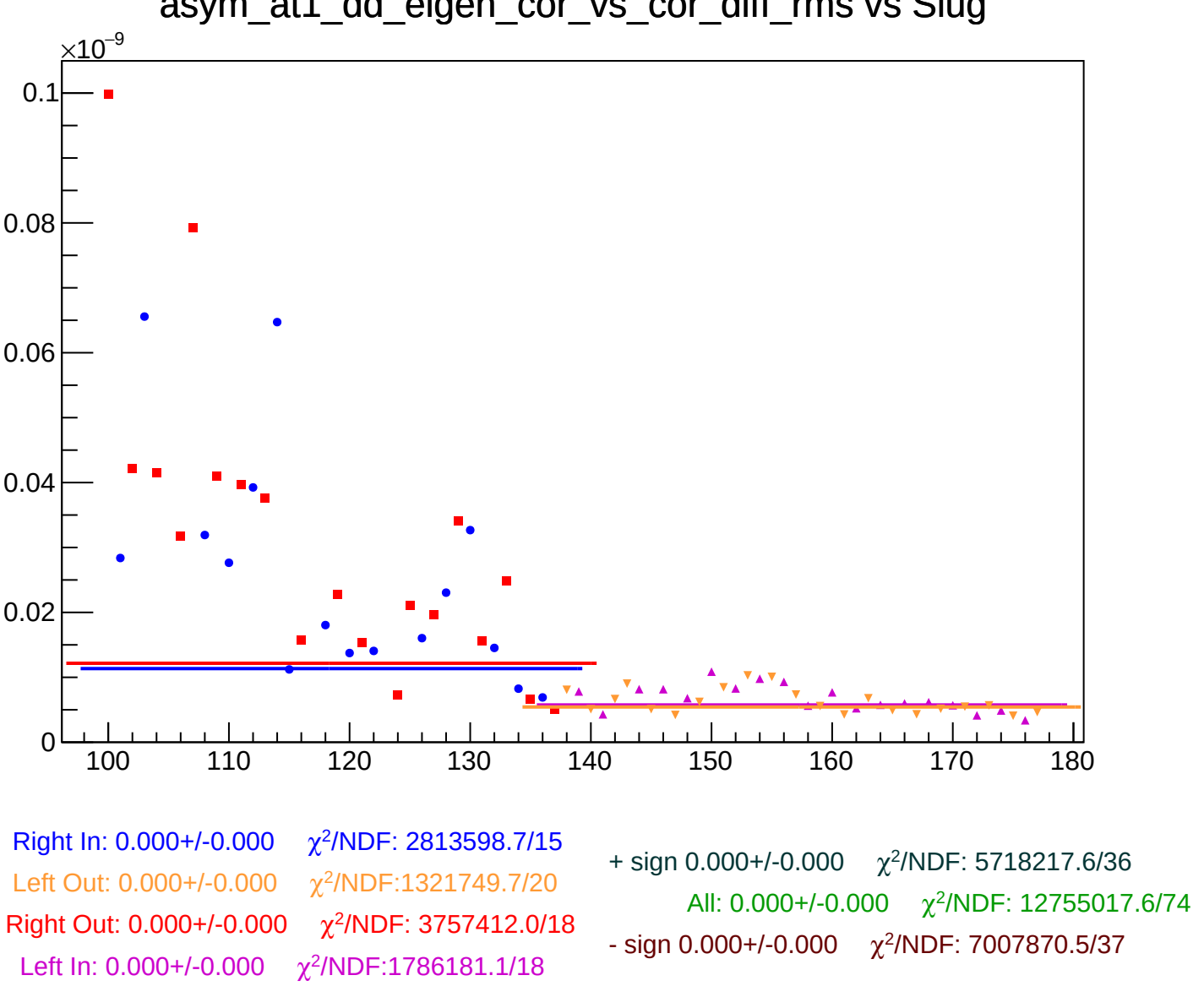
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/18

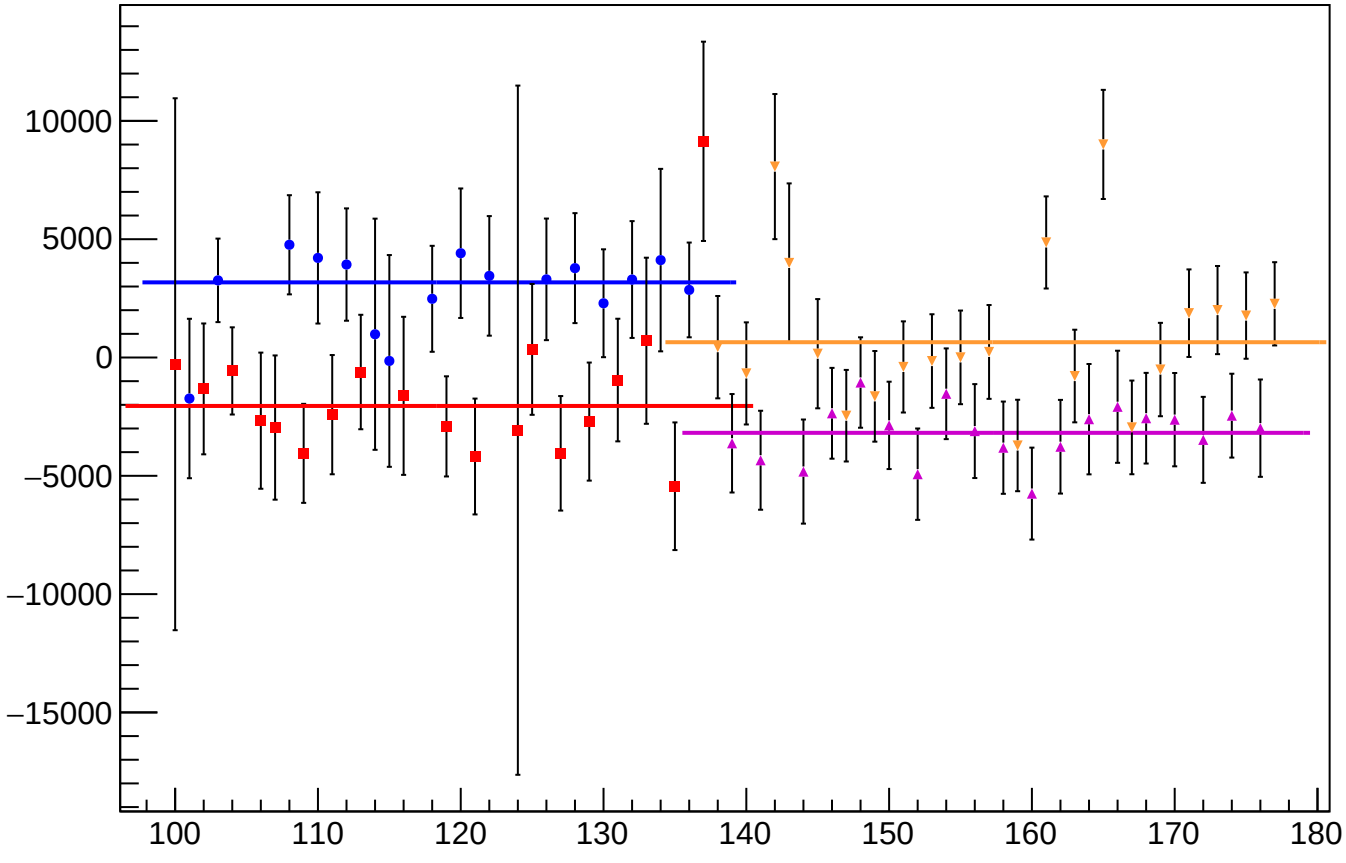
+ sign -0.000+/-0.000 χ^2/NDF: 38.7/36

All: -0.000+/-0.000 χ^2/NDF: 66.6/74

- sign -0.000+/-0.000 χ^2/NDF: 27.8/37


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:1321749.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:1786181.1/18
+ sign 0.000+/-0.000 χ²/NDF: 5718217.6/36
All: 0.000+/-0.000 χ²/NDF: 12755017.6/74
- sign 0.000+/-0.000 χ²/NDF: 7007870.5/37

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 646.362+/-443.596 χ^2/NDF:41.2/20

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

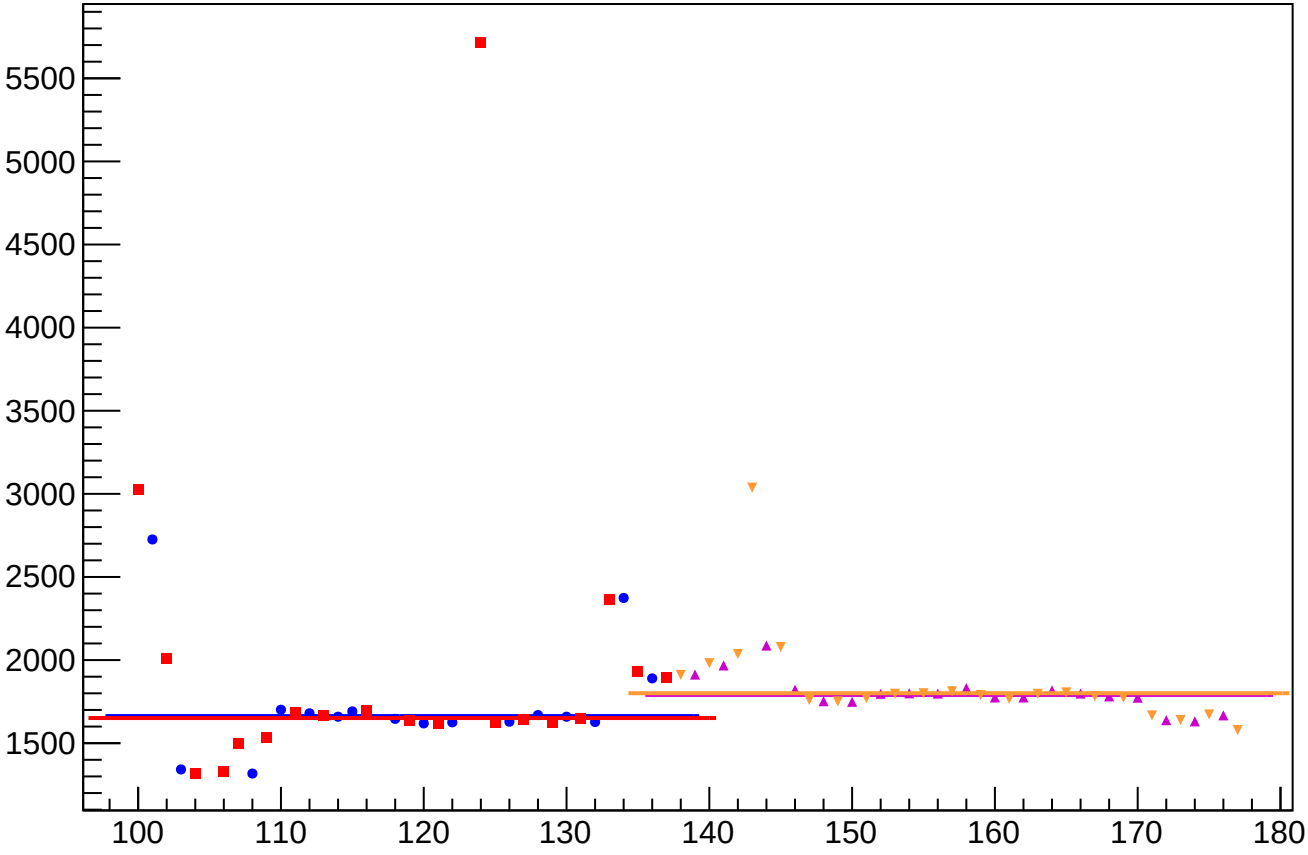
Left In: -3183.489+/-454.931 χ^2/NDF:6.5/18

+ sign 1488.274+/-362.320 χ^2/NDF: 56.3/36

All: -621.453+/-257.870 χ^2/NDF: 147.8/74

- sign -2787.134+/-367.093 χ^2/NDF: 22.7/37

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1800.593+/-0.314 χ^2/NDF:401653.2/20

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

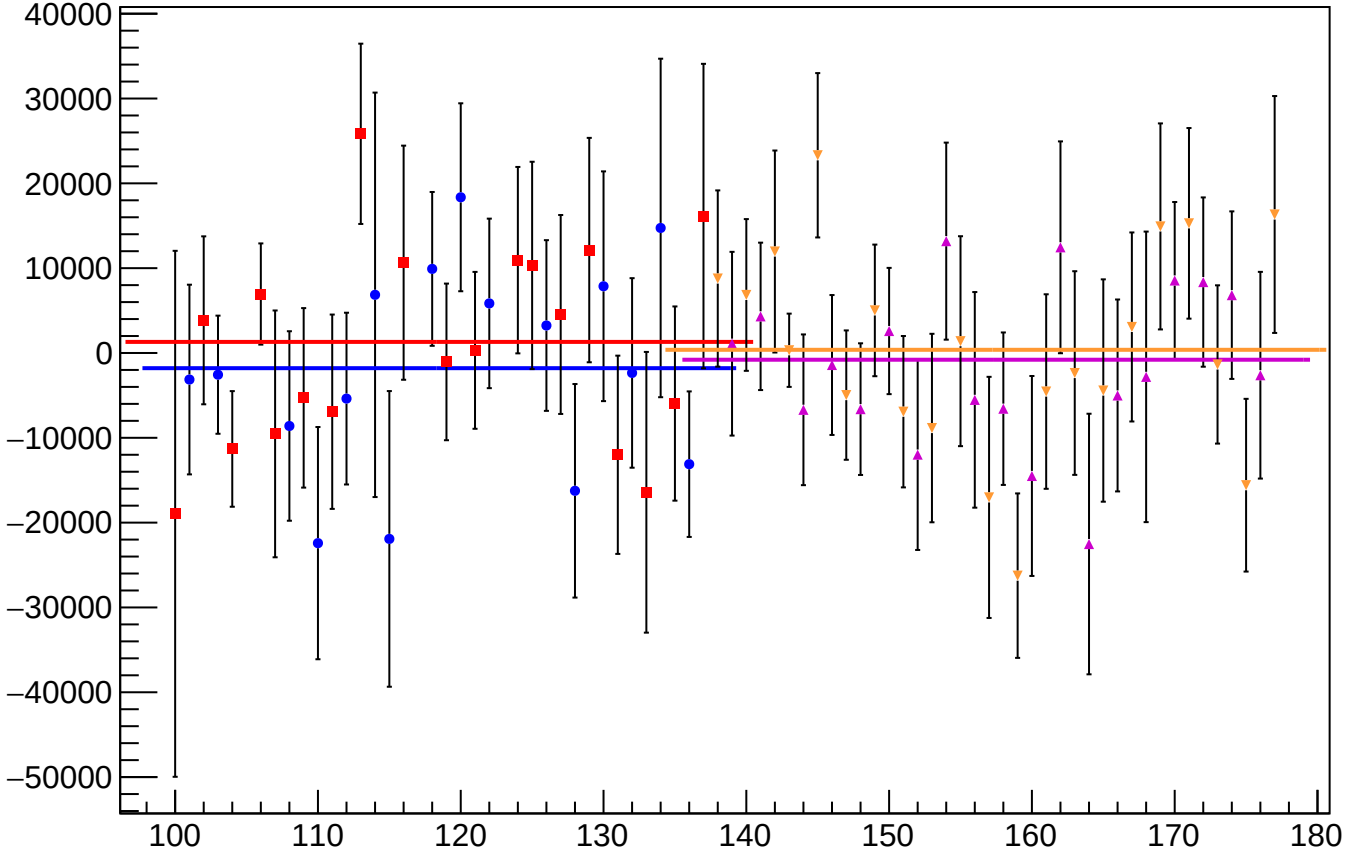
Left In: 1790.352+/-0.322 χ^2/NDF:99037.9/18

+ sign 1754.759+/-0.256 χ^2/NDF: 881426.1/36

All: 1748.388+/-0.182 χ^2/NDF: 1478850.4/74

- sign 1741.848+/-0.260 χ^2/NDF: 596171.0/37

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 375.104+/-2045.266 χ^2/NDF:26.4/20

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

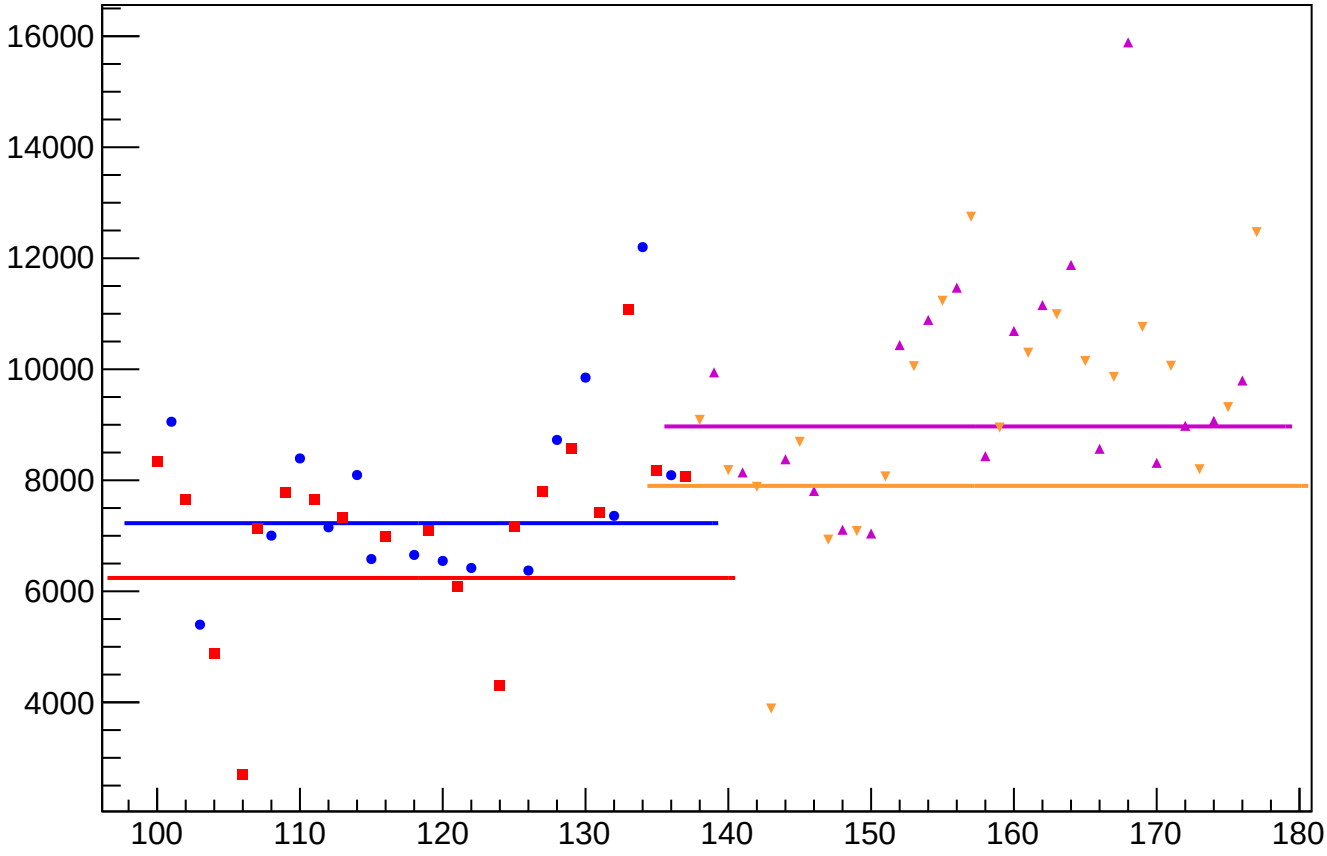
Left In: -795.120+/-2322.029 χ^2/NDF:11.7/18

+ sign -398.659+/-1639.777 χ^2/NDF: 41.1/36

All: -102.540+/-1173.056 χ^2/NDF: 71.0/74

- sign 207.846+/-1678.816 χ^2/NDF: 29.8/37

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7898.893+/-1.446 χ^2/NDF:3080096.7/20

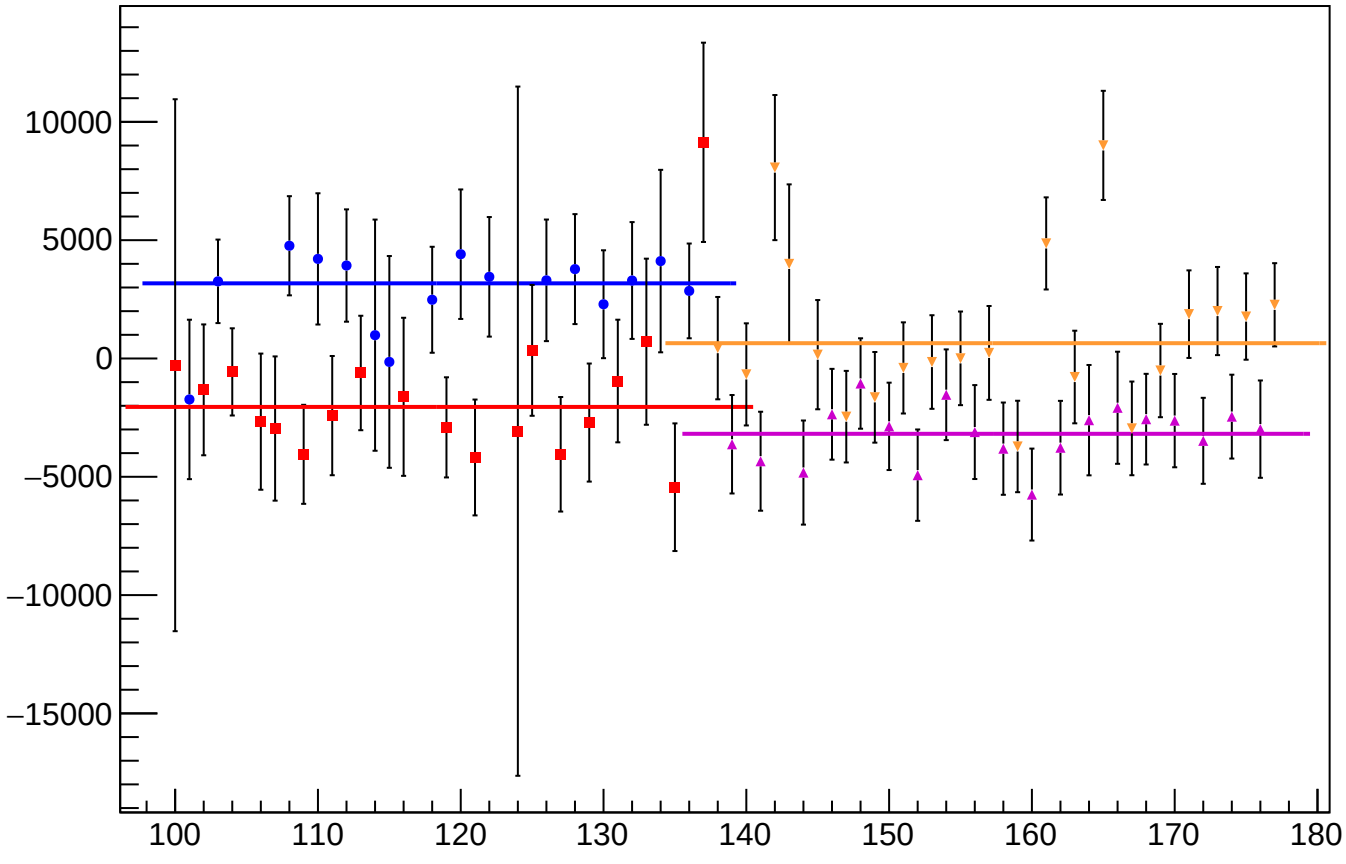
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8970.052+/-1.642 χ^2/NDF:1029374.8/18

+ sign 7659.097+/-1.159 χ^2/NDF: 3660321.8/36

All: 7663.114+/-0.829 χ^2/NDF: 7407755.2/74

- sign 7667.325+/-1.187 χ^2/NDF: 3747408.8/37



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 646.276+/-443.596 χ^2/NDF:41.2/20

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

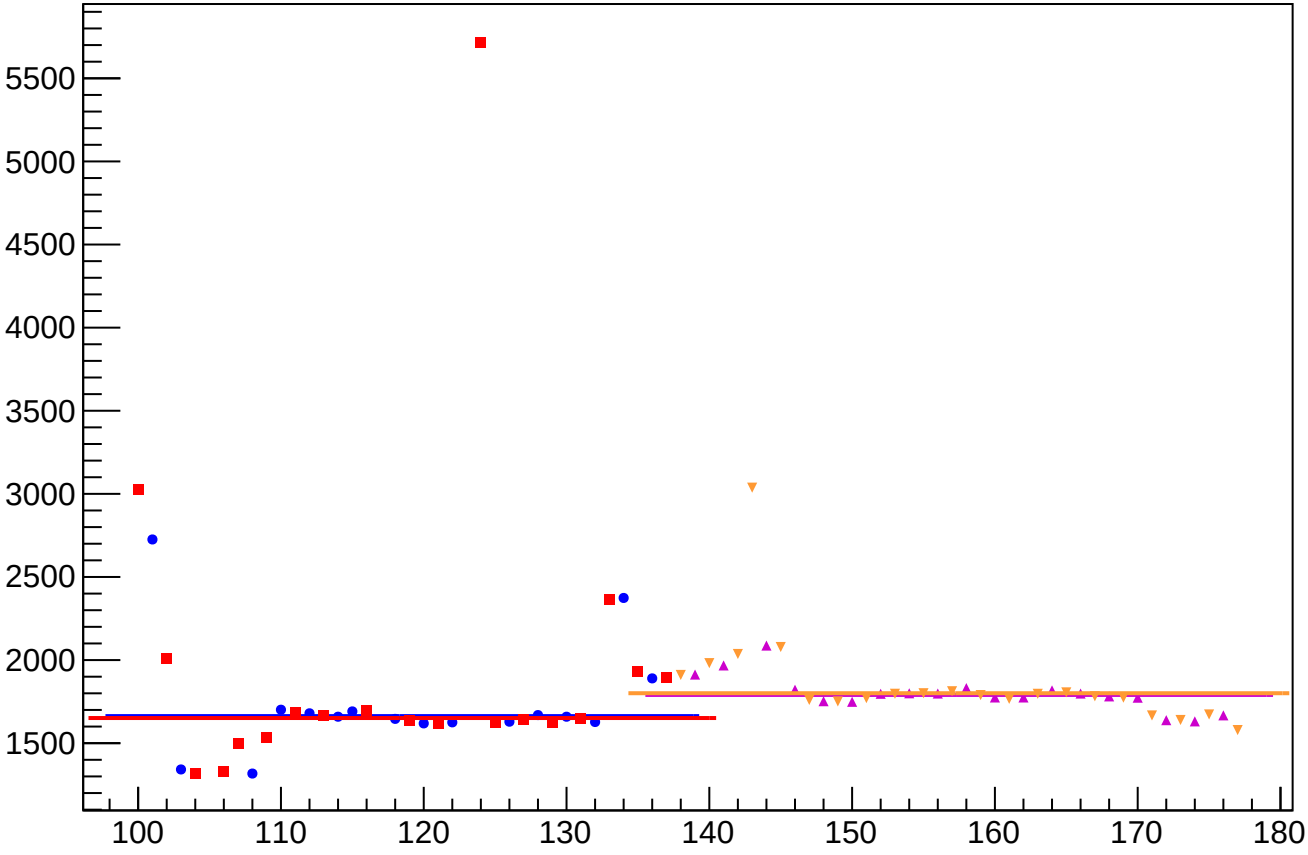
Left In: -3183.445+/-454.931 χ^2/NDF:6.5/18

+ sign 1488.247+/-362.320 χ^2/NDF: 56.3/36

All: -621.419+/-257.870 χ^2/NDF: 147.8/74

- sign -2787.037+/-367.093 χ^2/NDF: 22.7/37

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1800.593+/-0.314 χ^2/NDF:401653.2/20

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

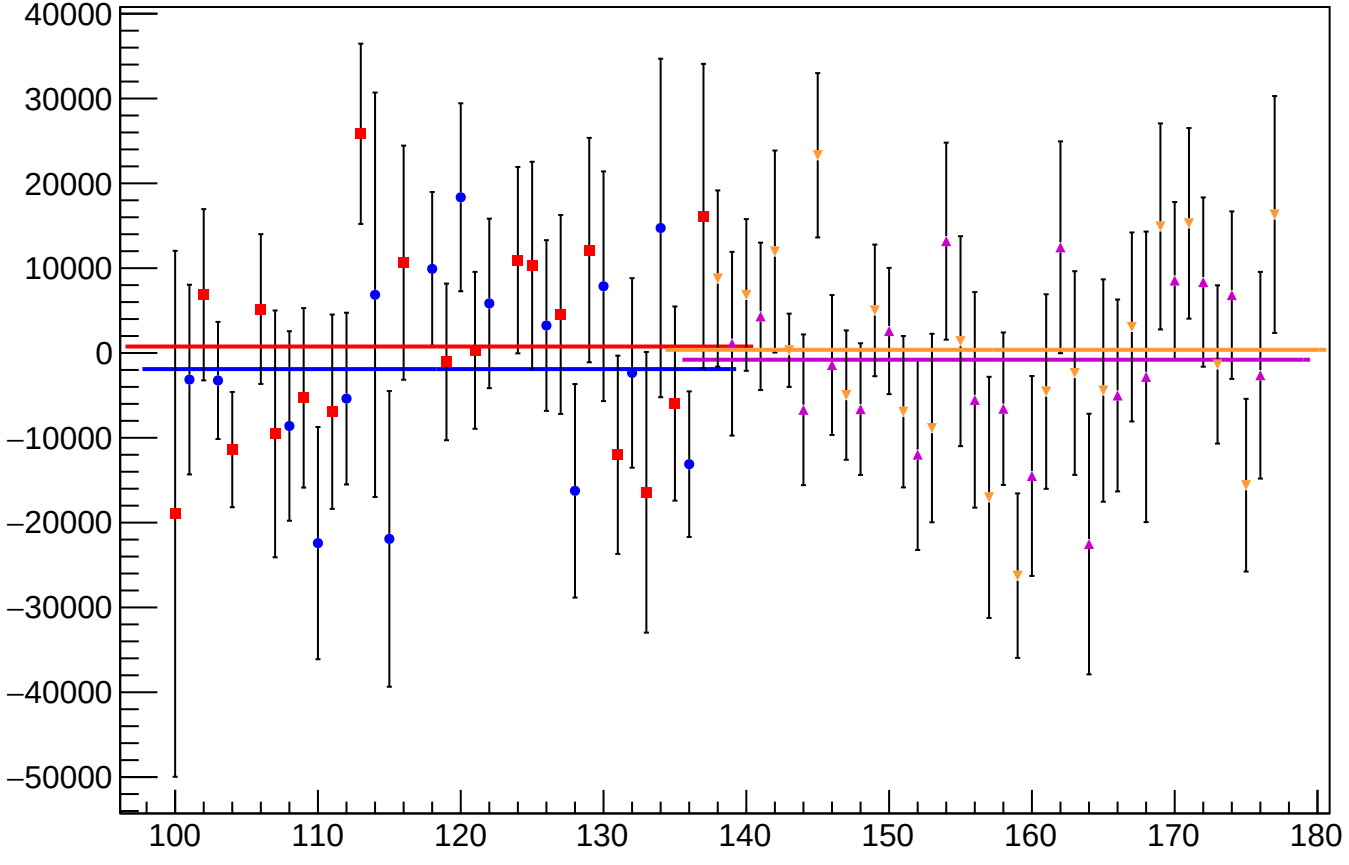
Left In: 1790.353+/-0.322 χ^2/NDF:99037.9/18

+ sign 1754.759+/-0.256 χ^2/NDF: 881426.6/36

All: 1748.388+/-0.182 χ^2/NDF: 1478851.1/74

- sign 1741.848+/-0.260 χ^2/NDF: 596171.2/37

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 375.040+/-2045.261 χ^2/NDF:26.4/20

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

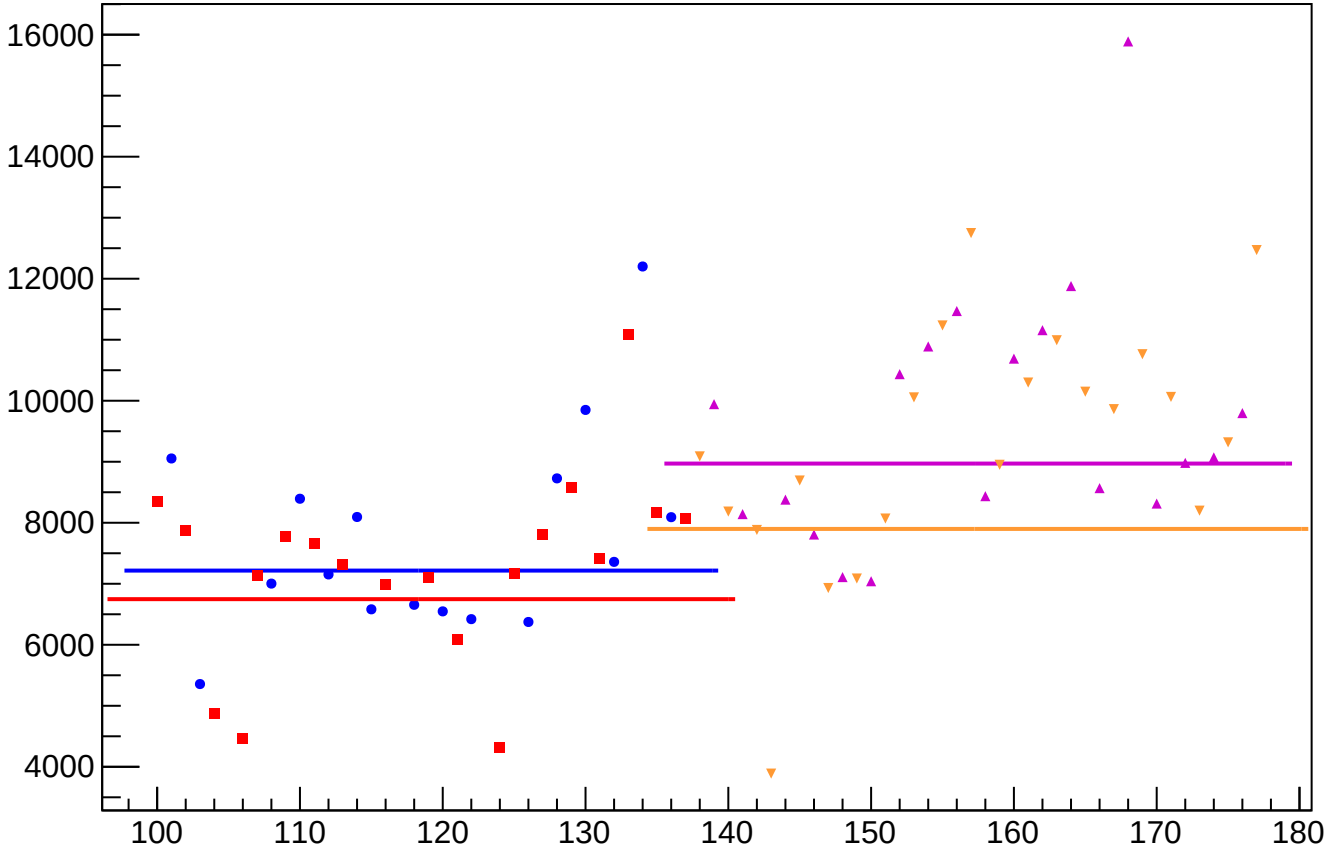
Left In: -795.210+/-2322.027 χ^2/NDF:11.7/18

+ sign -439.063+/-1638.991 χ^2/NDF: 41.2/36

All: -272.179+/-1185.513 χ^2/NDF: 70.4/74

- sign -89.062+/-1716.854 χ^2/NDF: 29.2/37

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7898.862+/-1.446 χ^2/NDF:3080167.8/20

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

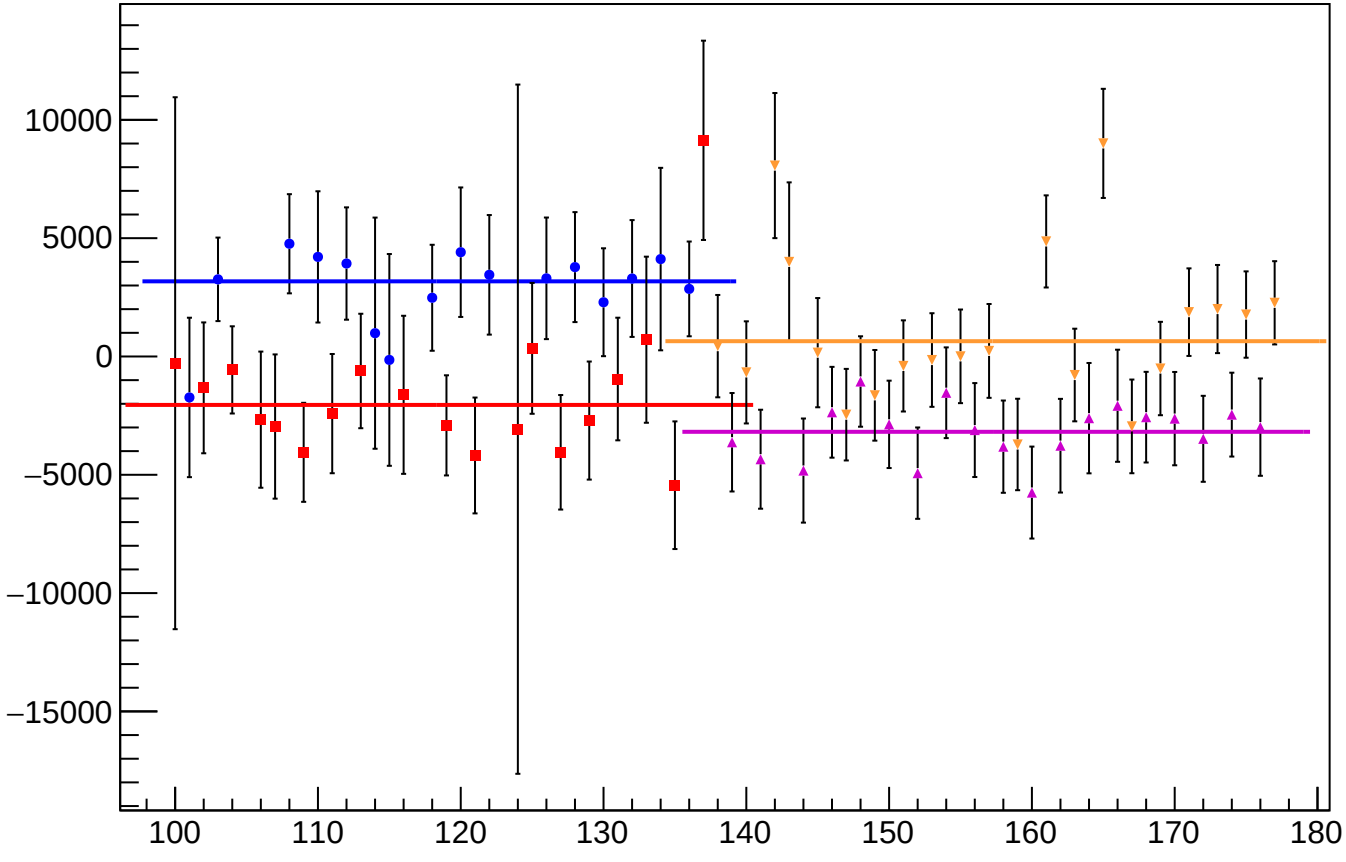
Left In: 8970.046+/-1.642 χ^2/NDF:1029379.3/18

+ sign 7654.530+/-1.159 χ^2/NDF: 3672062.0/36

All: 7801.433+/-0.838 χ^2/NDF: 6274375.9/74

- sign 7962.626+/-1.214 χ^2/NDF: 2568616.6/37

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 646.276+/-443.596 χ^2/NDF:41.2/20

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

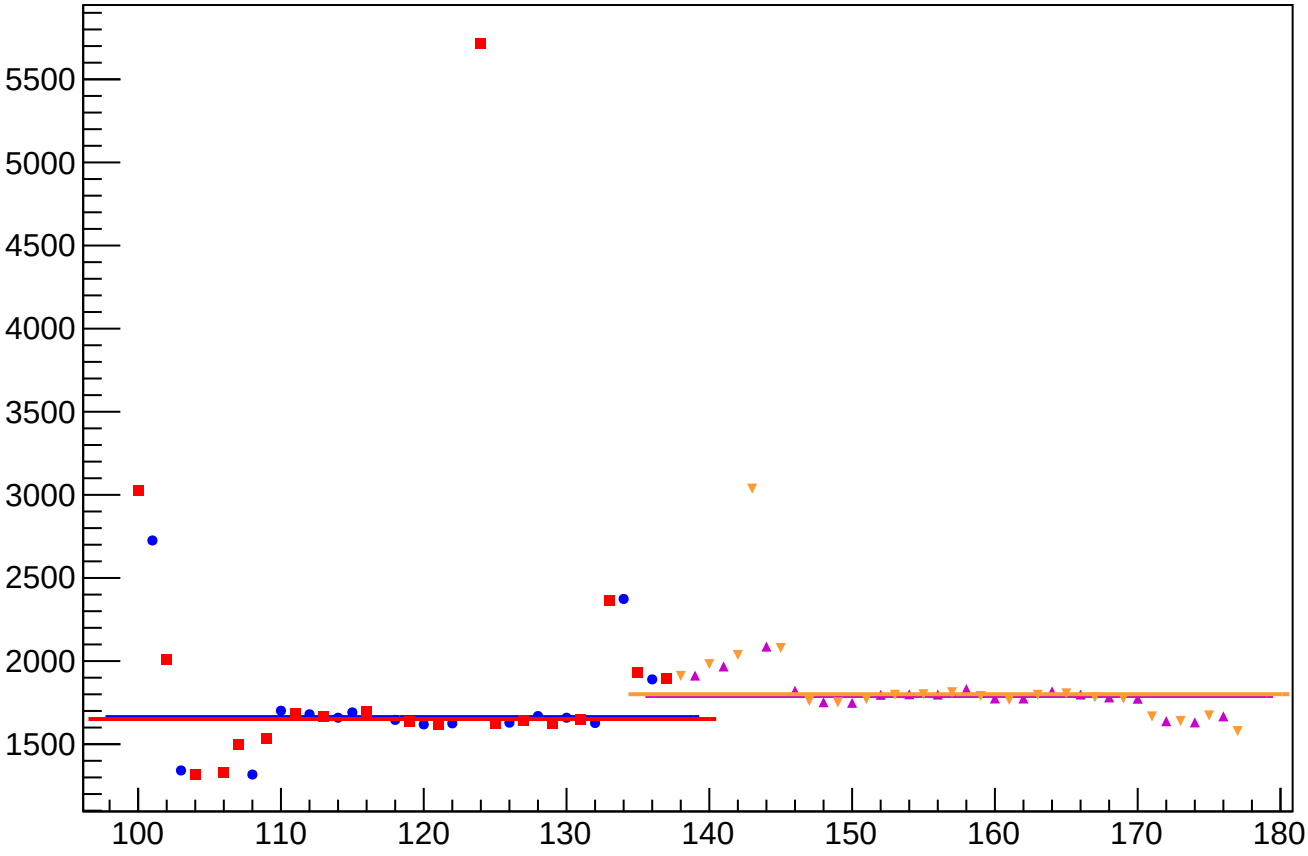
Left In: -3183.445+/-454.931 χ^2/NDF:6.5/18

+ sign 1488.247+/-362.320 χ^2/NDF: 56.3/36

All: -621.419+/-257.870 χ^2/NDF: 147.8/74

- sign -2787.037+/-367.093 χ^2/NDF: 22.7/37

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1800.593+/-0.314 χ^2/NDF:401653.2/20

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

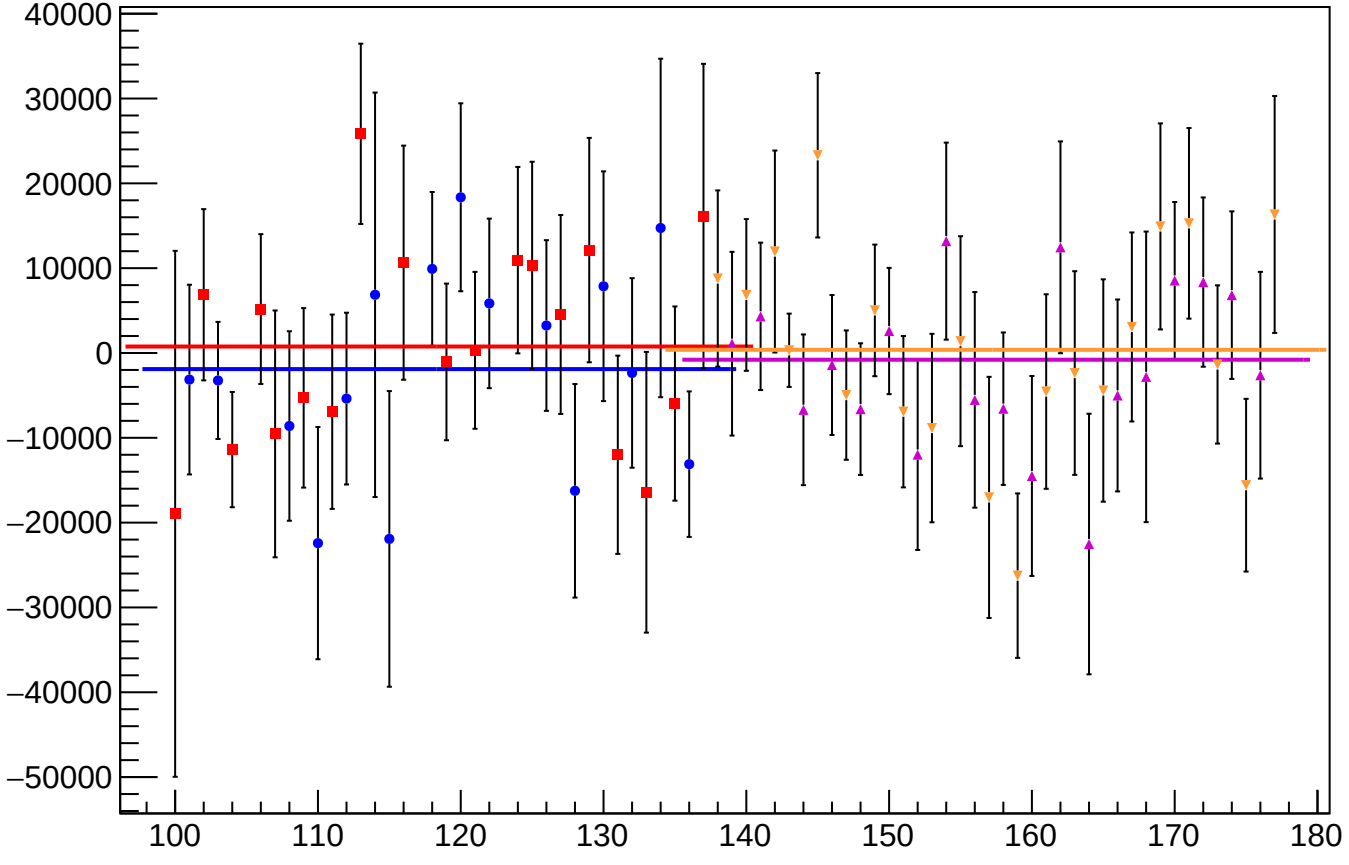
Left In: 1790.353+/-0.322 χ^2/NDF:99037.9/18

+ sign 1754.759+/-0.256 χ^2/NDF: 881426.6/36

All: 1748.388+/-0.182 χ^2/NDF: 1478851.1/74

- sign 1741.848+/-0.260 χ^2/NDF: 596171.2/37

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 375.040+/-2045.261 χ^2/NDF:26.4/20

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

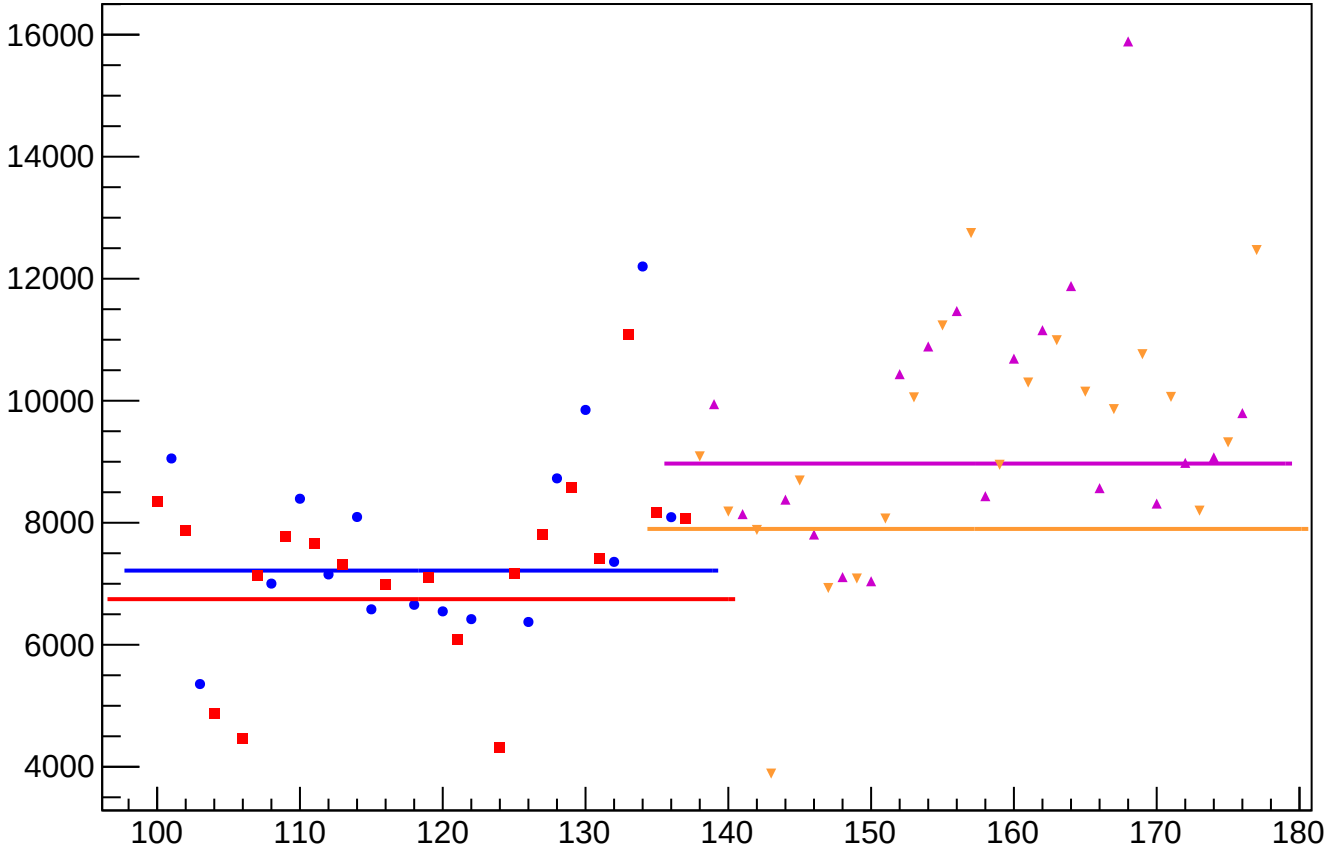
Left In: -795.210+/-2322.027 χ^2/NDF:11.7/18

+ sign -439.063+/-1638.991 χ^2/NDF: 41.2/36

All: -272.179+/-1185.513 χ^2/NDF: 70.4/74

- sign -89.062+/-1716.854 χ^2/NDF: 29.2/37

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7898.862+/-1.446 χ^2/NDF:3080167.8/20

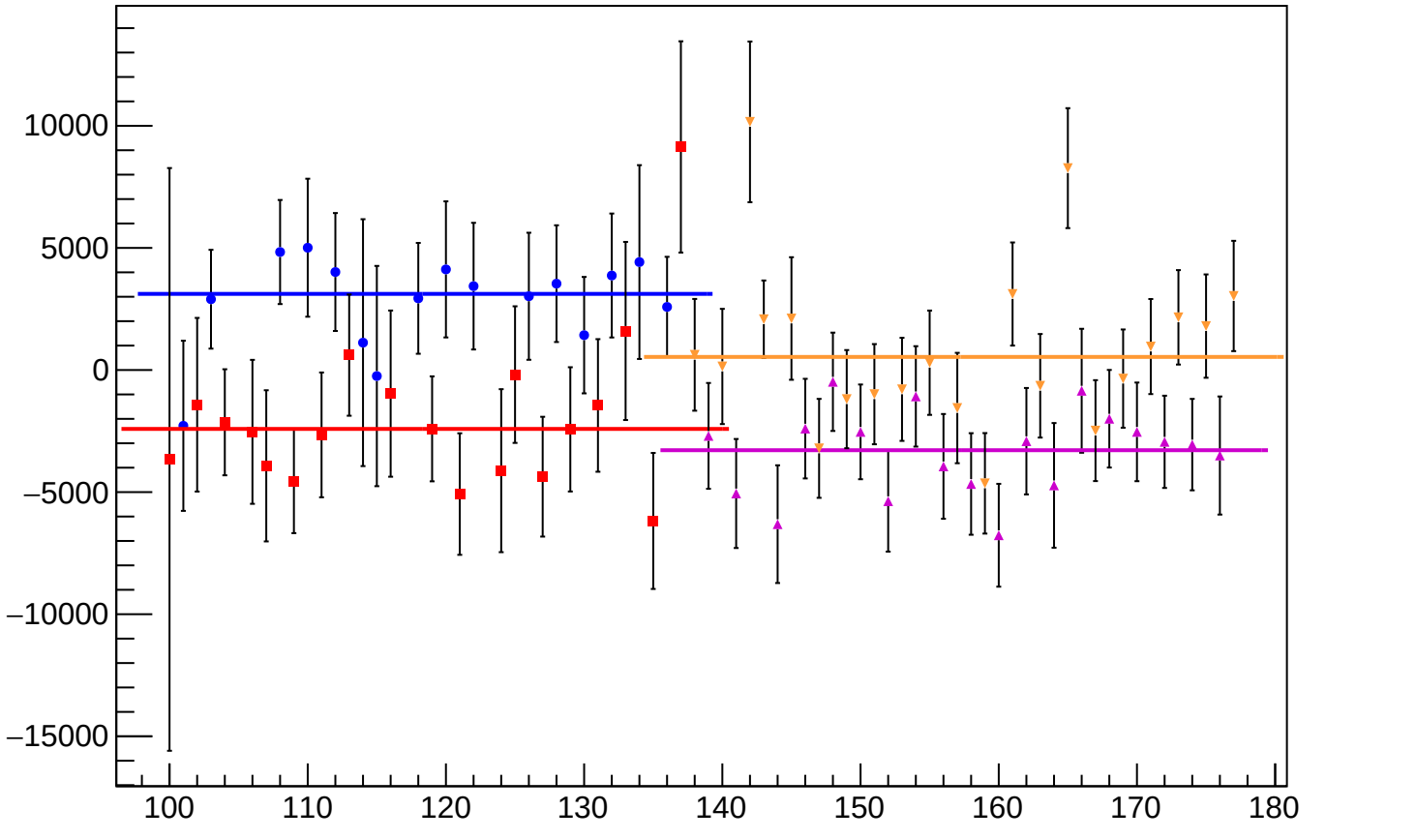
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8970.046+/-1.642 χ^2/NDF:1029379.3/18

\+ sign 7654.530+/-1.159 χ^2/NDF: 3672062.0/36

All: 7801.433+/-0.838 χ^2/NDF: 6274375.9/74

\- sign 7962.626+/-1.214 χ^2/NDF: 2568616.6/37



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 535.972+/-462.850 χ^2/NDF:38.6/20

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

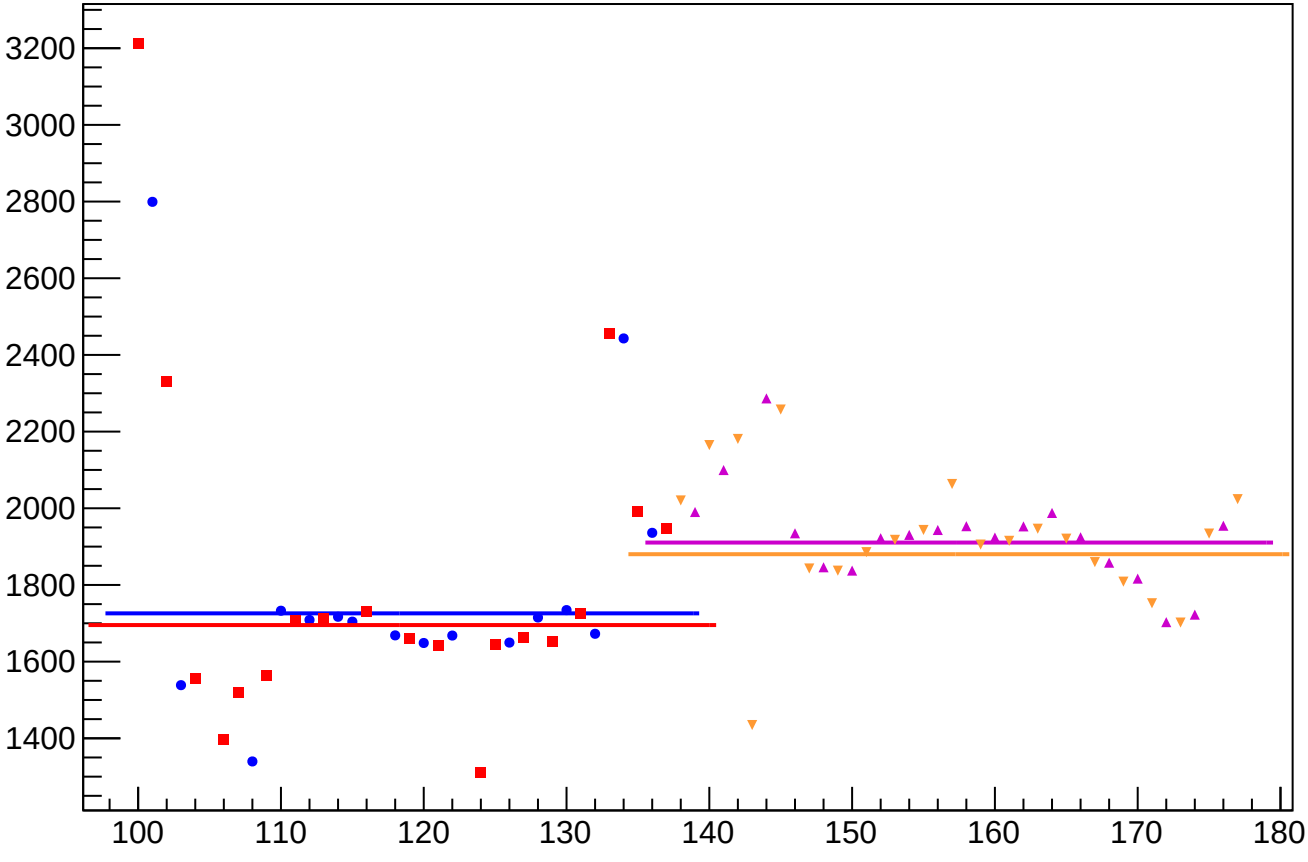
Left In: -3284.213+/-485.881 χ^2/NDF:11.9/18

+ sign 1402.683+/-377.248 χ^2/NDF: 54.3/36

All: -726.643+/-270.060 χ^2/NDF: 148.7/74

- sign -2964.858+/-386.774 χ^2/NDF: 29.1/37

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1880.212+/-0.327 χ^2/NDF:314281.7/20

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

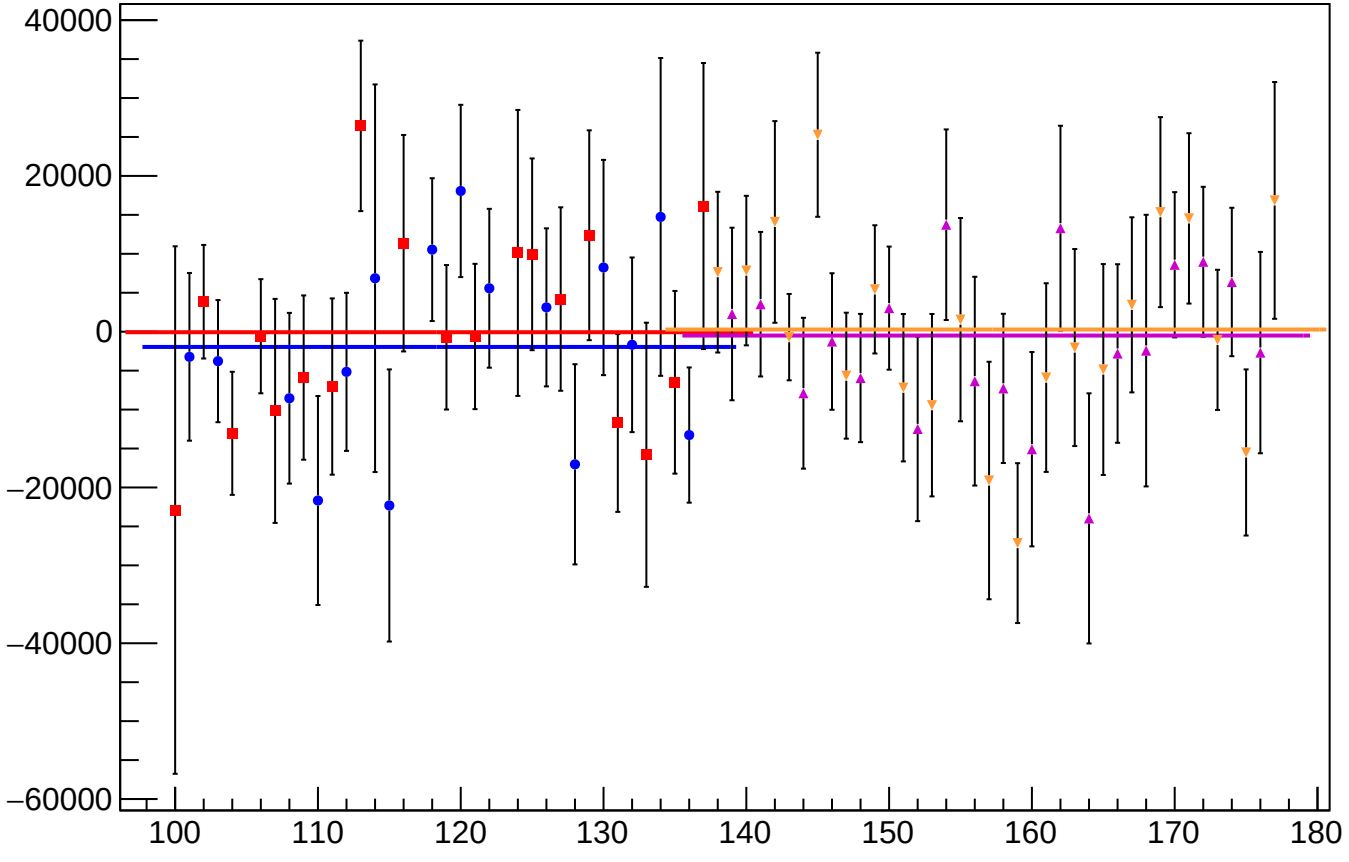
Left In: 1910.572+/-0.344 χ^2/NDF:125904.3/18

+ sign 1828.415+/-0.267 χ^2/NDF: 754534.7/36

All: 1830.018+/-0.191 χ^2/NDF: 1309910.5/74

- sign 1831.703+/-0.273 χ^2/NDF: 555301.7/37

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 278.275+/-2219.796 χ^2/NDF:26.1/20

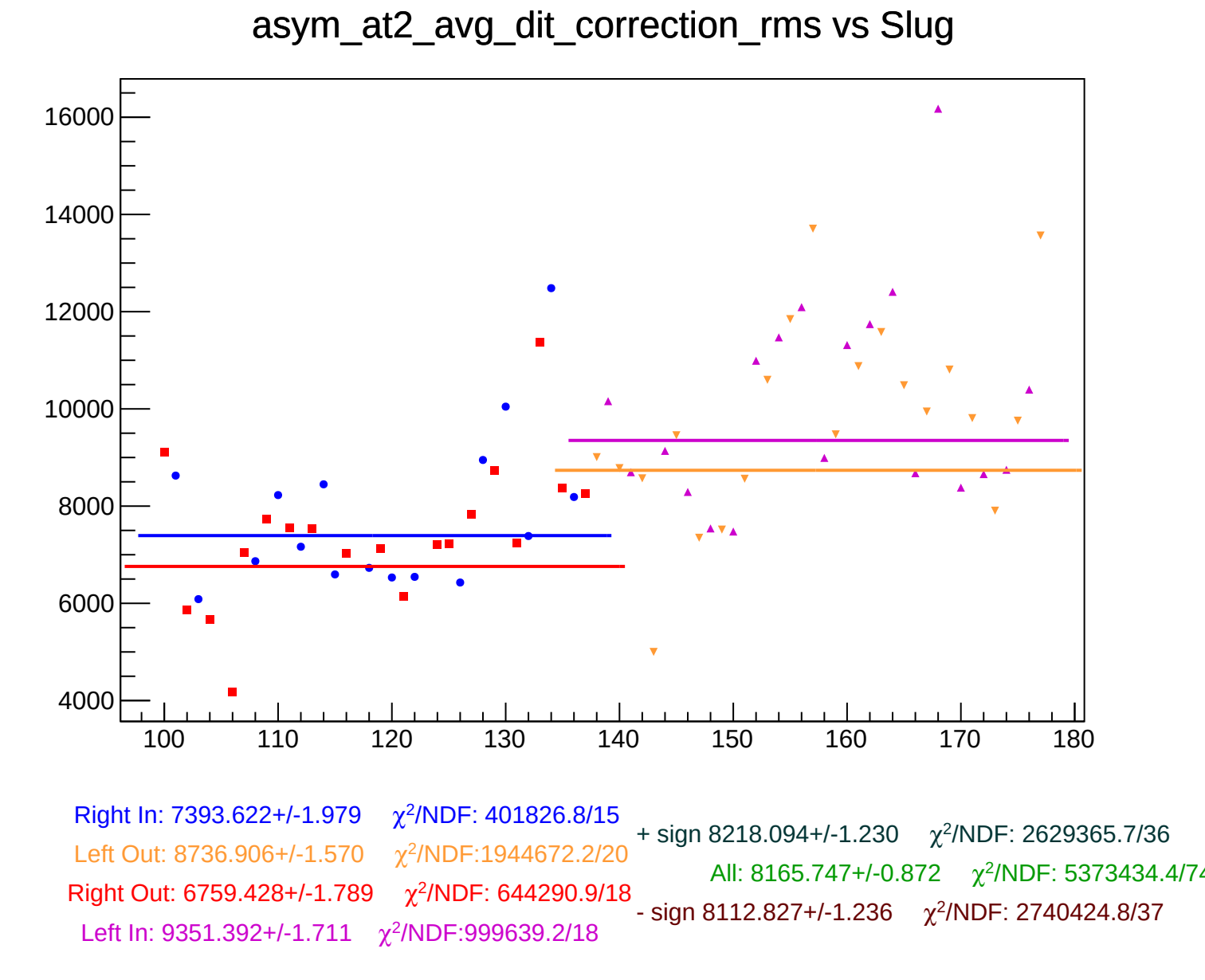
Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

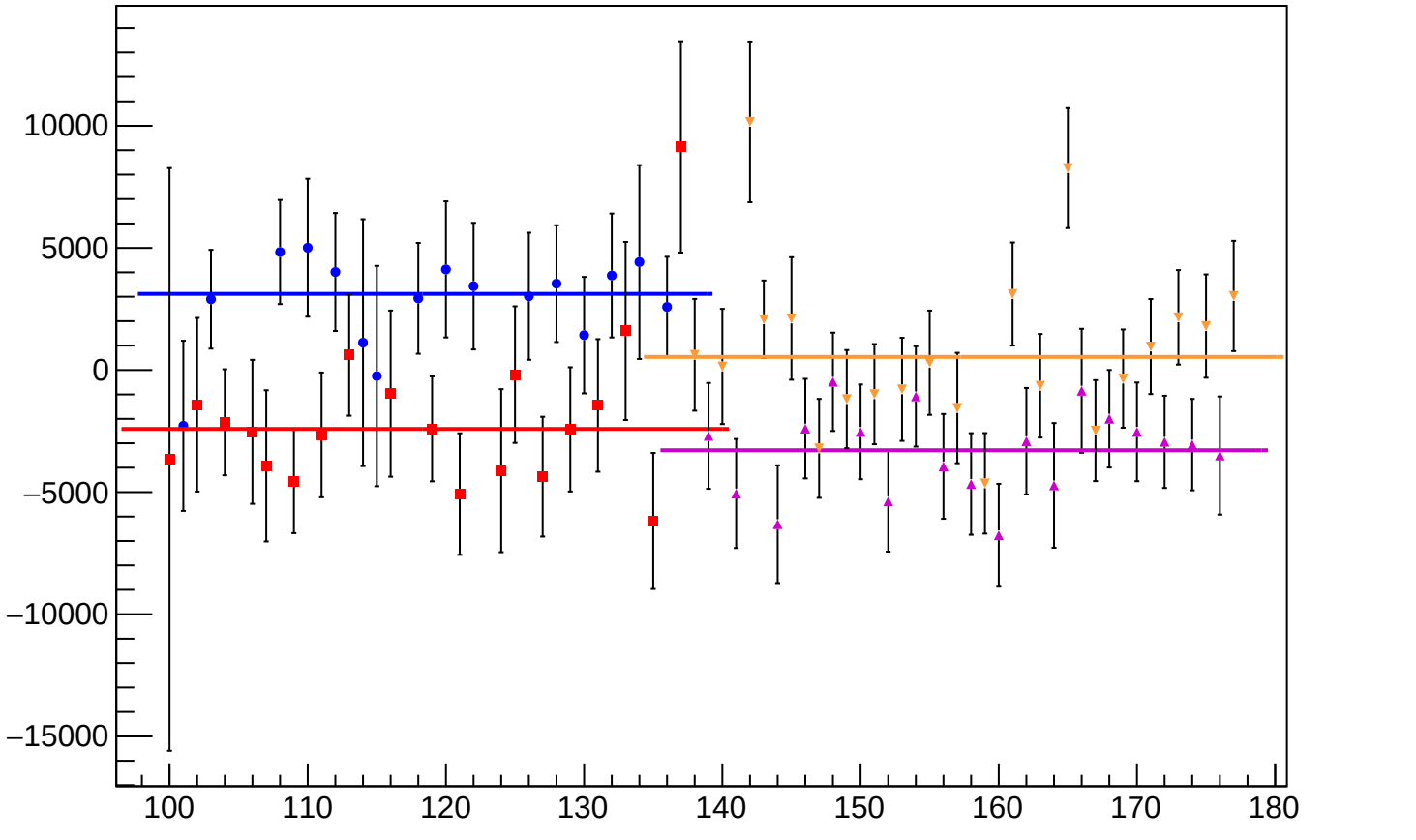
Left In: -495.451+/-2419.834 χ^2/NDF:11.7/18

\+ sign -585.651+/-1739.069 χ^2/NDF: 40.9/36

All: -439.262+/-1233.055 χ^2/NDF: 68.7/74

\- sign -291.269+/-1748.574 χ^2/NDF: 27.8/37


asym_at2_avg_dit_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7393.622+/-1.979 χ²/NDF: 401826.8/15
Left Out: 8736.906+/-1.570 χ²/NDF:1944672.2/20
Right Out: 6759.428+/-1.789 χ²/NDF: 644290.9/18
Left In: 9351.392+/-1.711 χ²/NDF:999639.2/18
+ sign 8218.094+/-1.230 χ²/NDF: 2629365.7/36
All: 8165.747+/-0.872 χ²/NDF: 5373434.4/74
- sign 8112.827+/-1.236 χ²/NDF: 2740424.8/37



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 535.963+/-462.851 χ^2/NDF:38.6/20

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

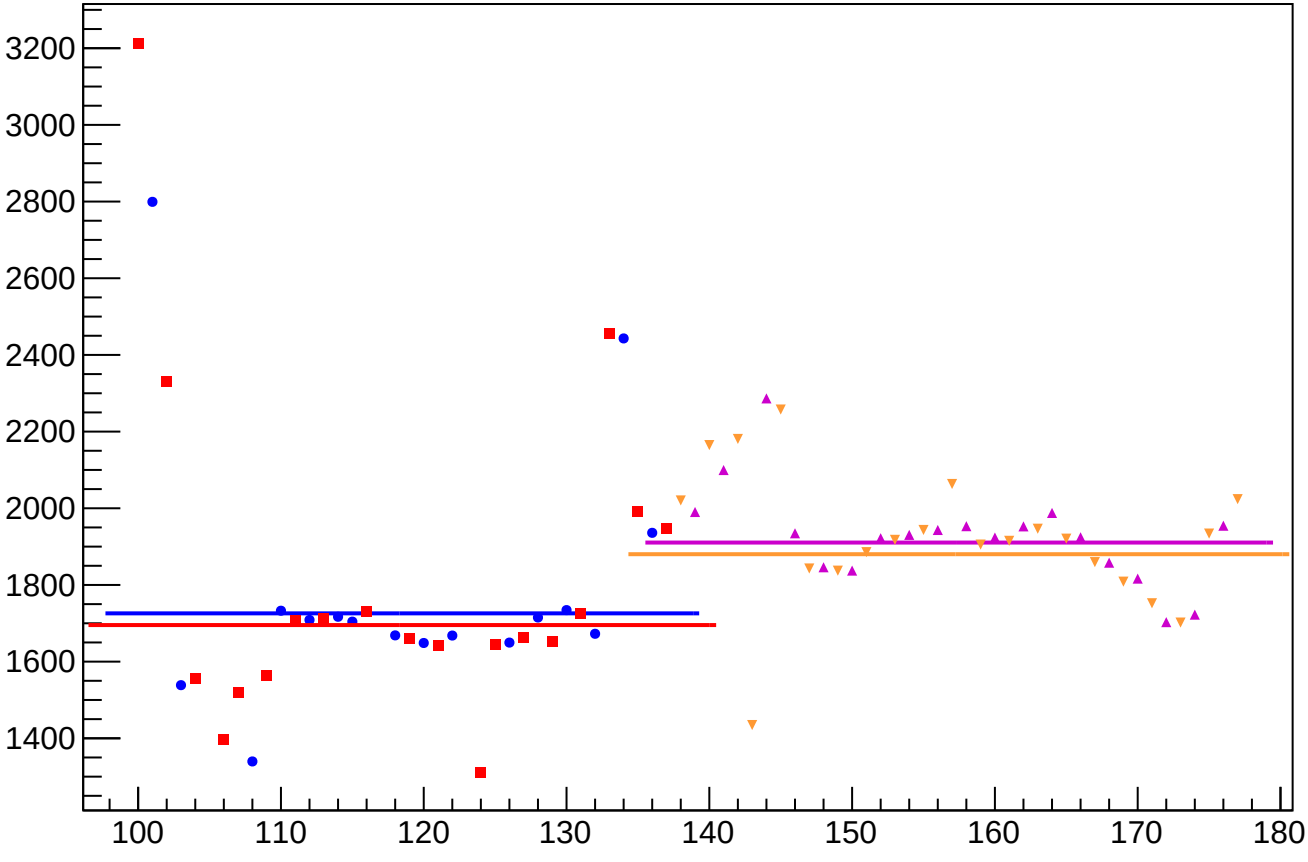
Left In: -3284.215+/-485.881 χ^2/NDF:11.9/18

+ sign 1402.681+/-377.248 χ^2/NDF: 54.3/36

All: -726.646+/-270.060 χ^2/NDF: 148.7/74

- sign -2964.861+/-386.774 χ^2/NDF: 29.1/37

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1880.214+/-0.327 χ^2/NDF:314287.5/20

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

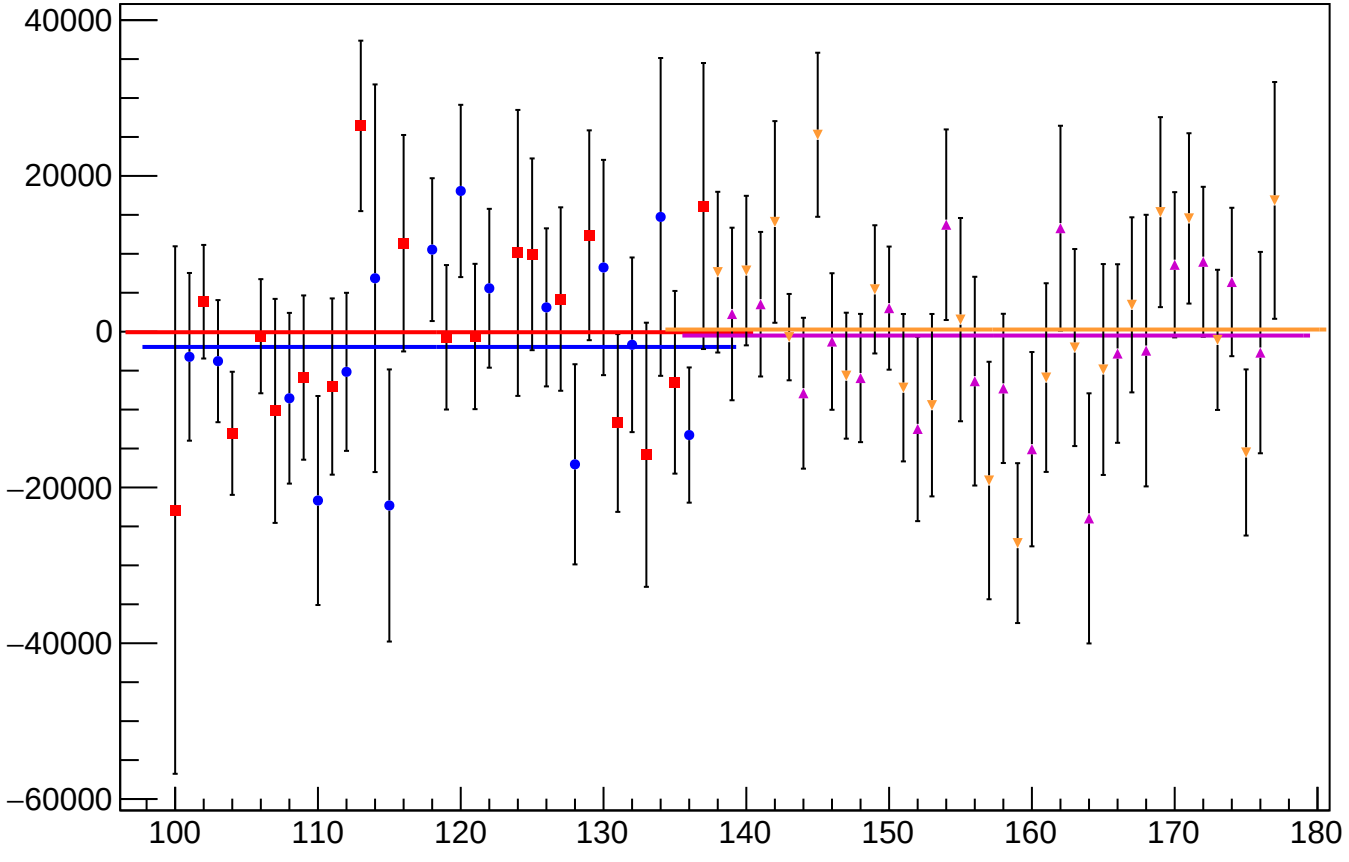
Left In: 1910.574+/-0.344 χ^2/NDF:125908.8/18

+ sign 1828.416+/-0.267 χ^2/NDF: 754543.4/36

All: 1830.020+/-0.191 χ^2/NDF: 1309927.4/74

- sign 1831.704+/-0.273 χ^2/NDF: 555310.0/37

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 278.269+/-2219.800 χ^2/NDF:26.1/20

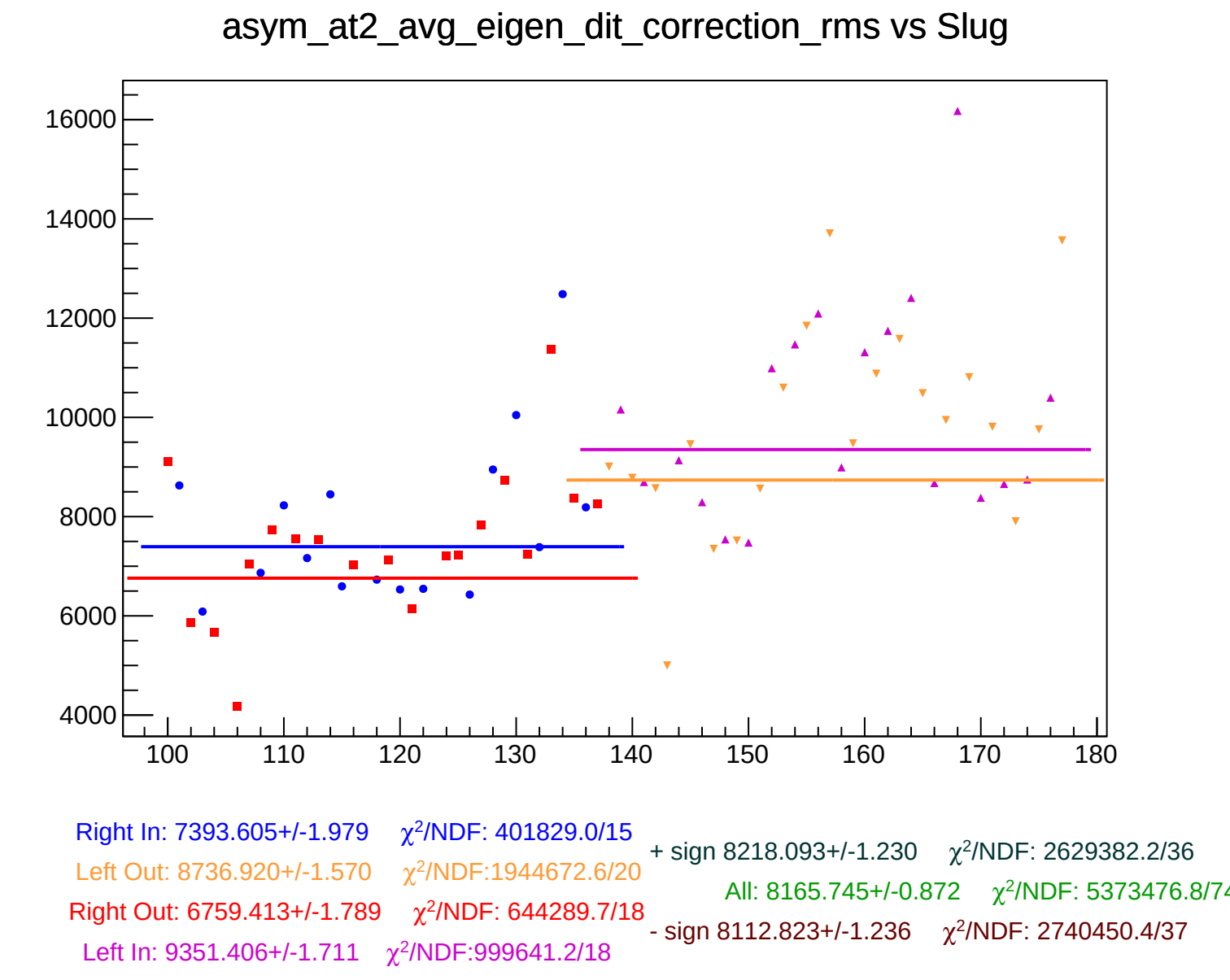
Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -495.449+/-2419.838 χ^2/NDF:11.7/18

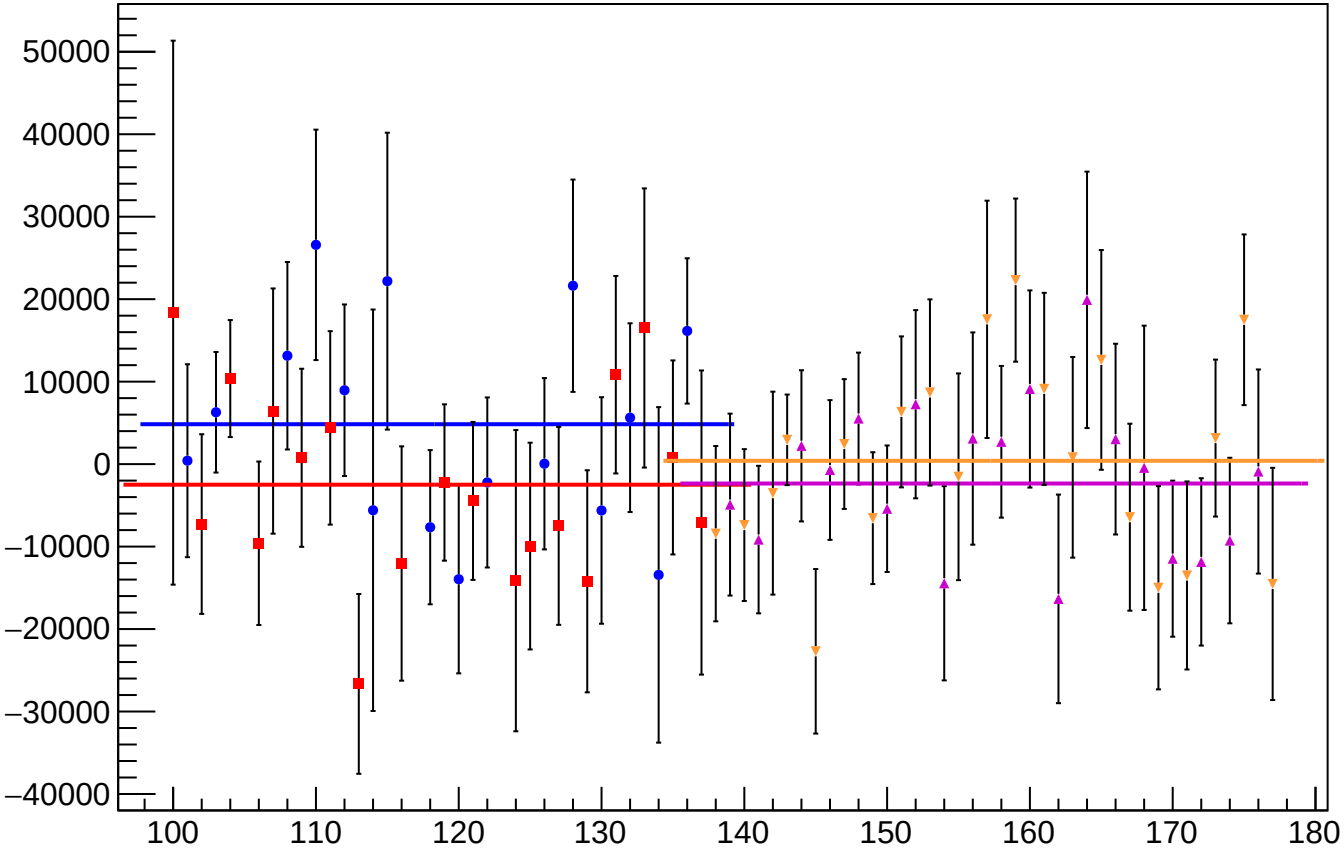
+ sign -585.650+/-1739.070 χ^2/NDF: 40.9/36

All: -439.263+/-1233.055 χ^2/NDF: 68.7/74

- sign -291.271+/-1748.574 χ^2/NDF: 27.8/37


asym_at2_avg_eigen_dit_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7393.605+/-1.979 χ²/NDF: 401829.0/15
Left Out: 8736.920+/-1.570 χ²/NDF:1944672.6/20
Right Out: 6759.413+/-1.789 χ²/NDF: 644289.7/18
Left In: 9351.406+/-1.711 χ²/NDF:999641.2/18
+ sign 8218.093+/-1.230 χ²/NDF: 2629382.2/36
All: 8165.745+/-0.872 χ²/NDF: 5373476.8/74
- sign 8112.823+/-1.236 χ²/NDF: 2740450.4/37

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 401.237+/-2178.456 χ^2/NDF:24.0/20

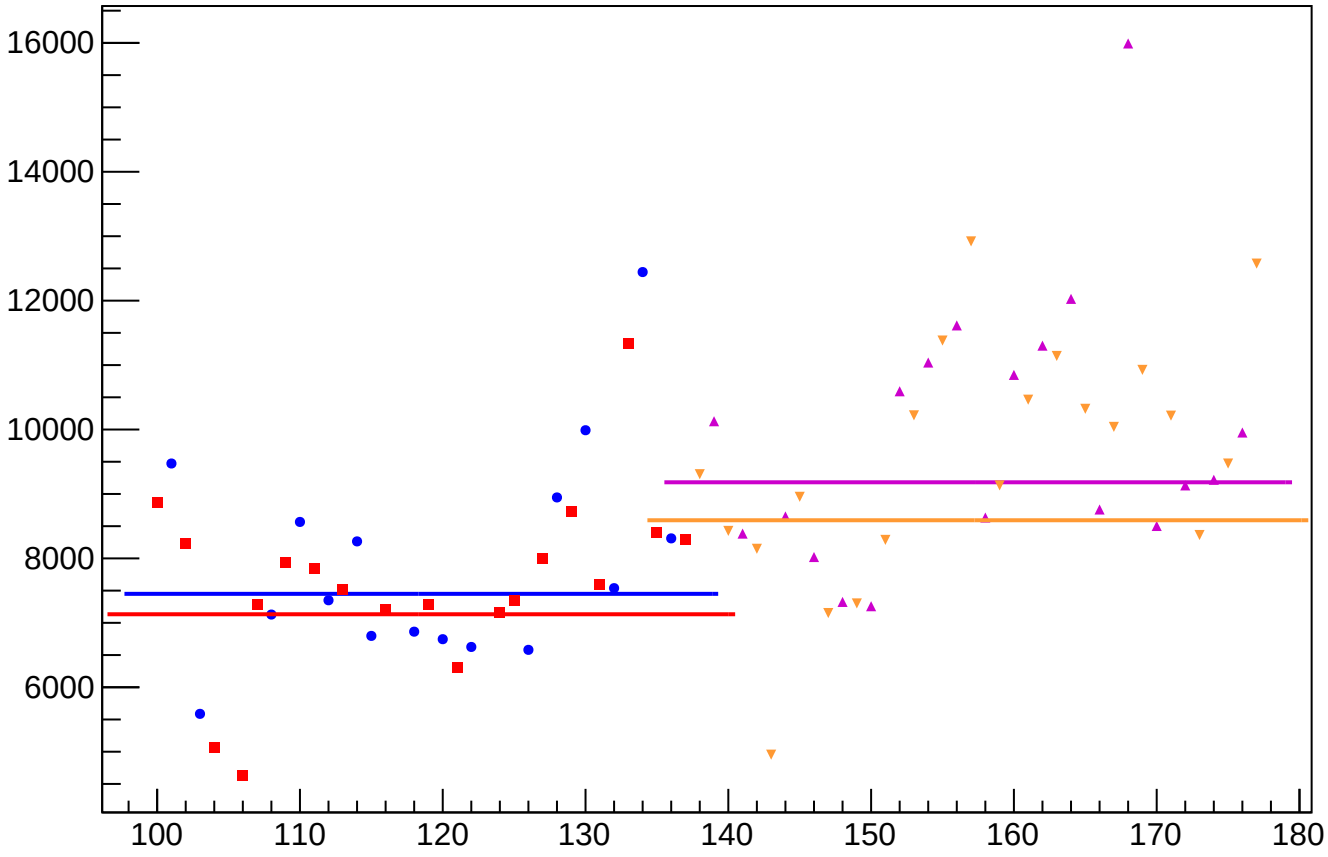
Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: -2352.565+/-2373.469 χ^2/NDF:11.0/18

+ sign 2052.776+/-1725.999 χ^2/NDF: 39.8/36

All: -110.706+/-1239.567 χ^2/NDF: 69.0/74

- sign -2415.138+/-1781.336 χ^2/NDF: 25.9/37



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8591.933+/-1.540 χ^2/NDF:1835606.4/20

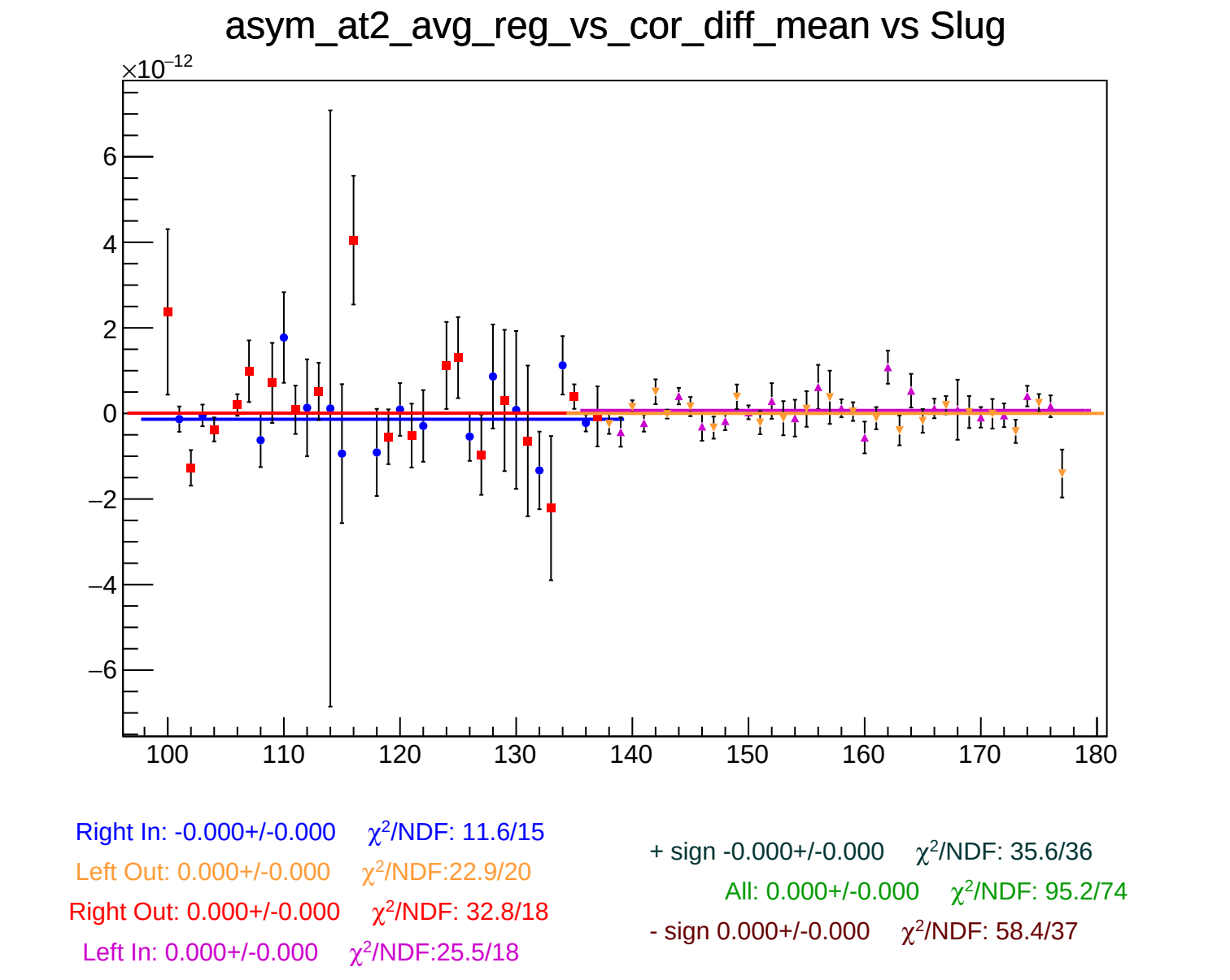
Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9181.153+/-1.678 χ^2/NDF:962642.3/18

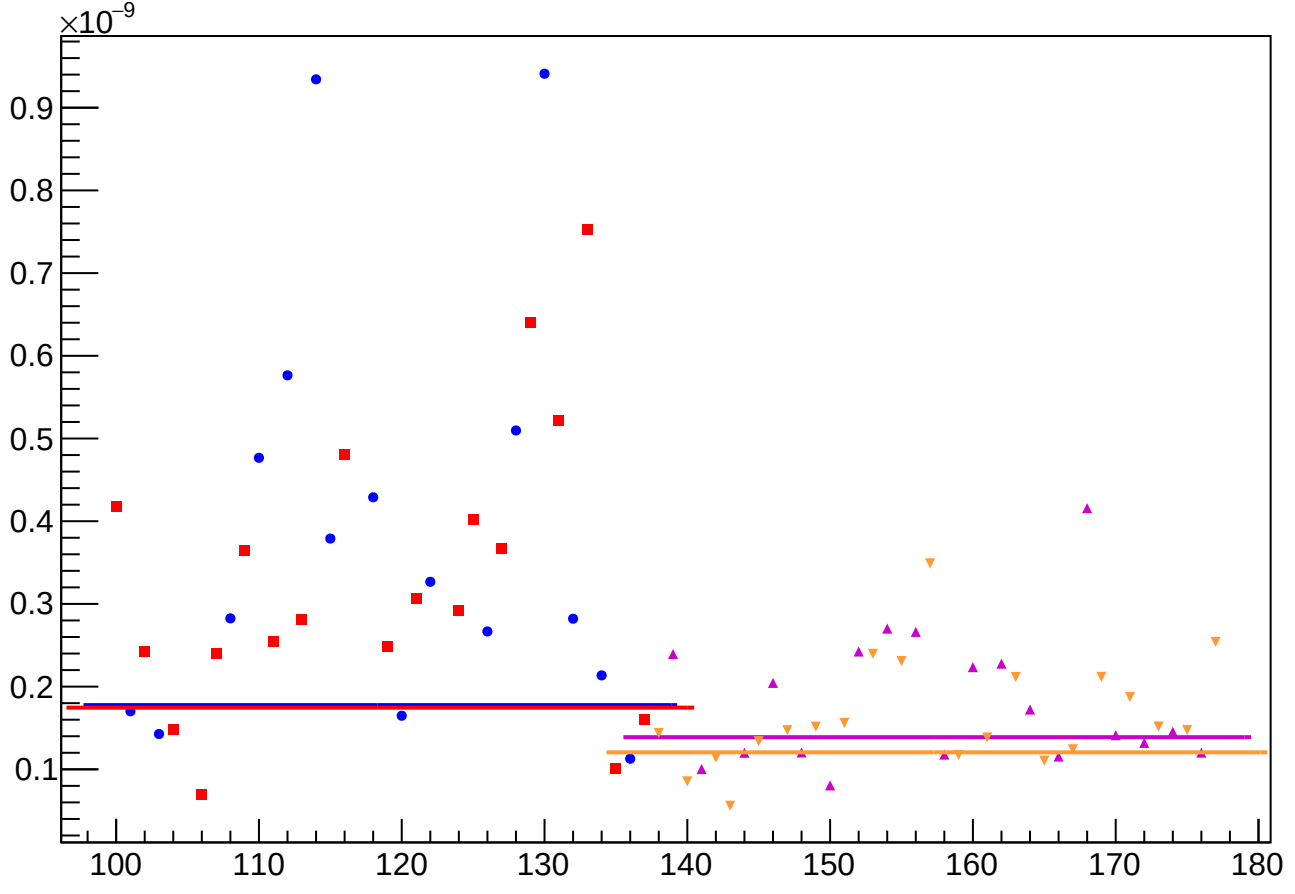
+ sign 8166.833+/-1.220 χ^2/NDF: 2526617.2/36

All: 8224.860+/-0.876 χ^2/NDF: 4701314.6/74

- sign 8286.663+/-1.260 χ^2/NDF: 2170029.2/37


asym_at2_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:22.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 32.8/18
Left In: 0.000+/-0.000 χ²/NDF:25.5/18
+ sign -0.000+/-0.000 χ²/NDF: 35.6/36
All: 0.000+/-0.000 χ²/NDF: 95.2/74
- sign 0.000+/-0.000 χ²/NDF: 58.4/37

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:2091153.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

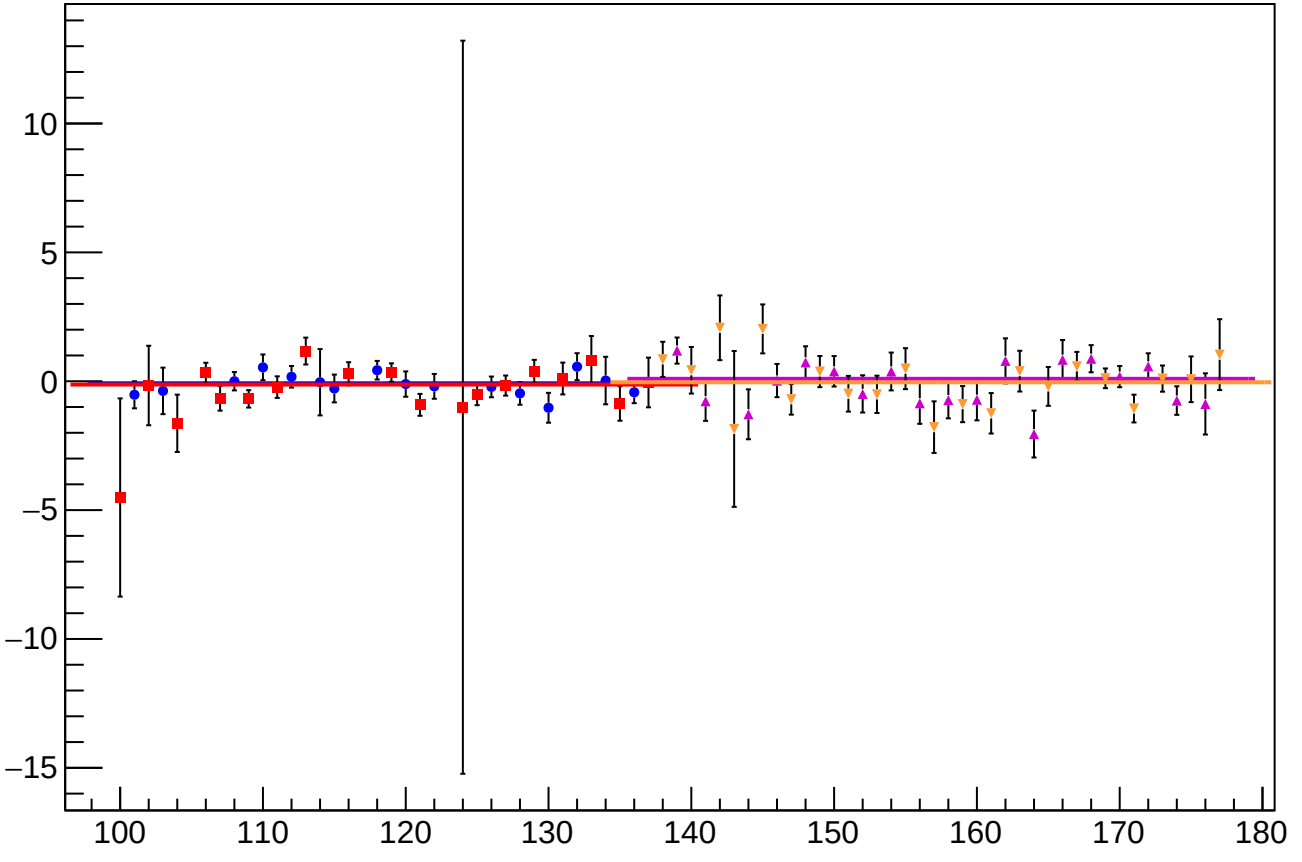
Left In: 0.000+/-0.000 χ^2/NDF:1637184.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 4003716.5/36

All: 0.000+/-0.000 χ^2/NDF: 7519845.9/74

- sign 0.000+/-0.000 χ^2/NDF: 3414042.9/37

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

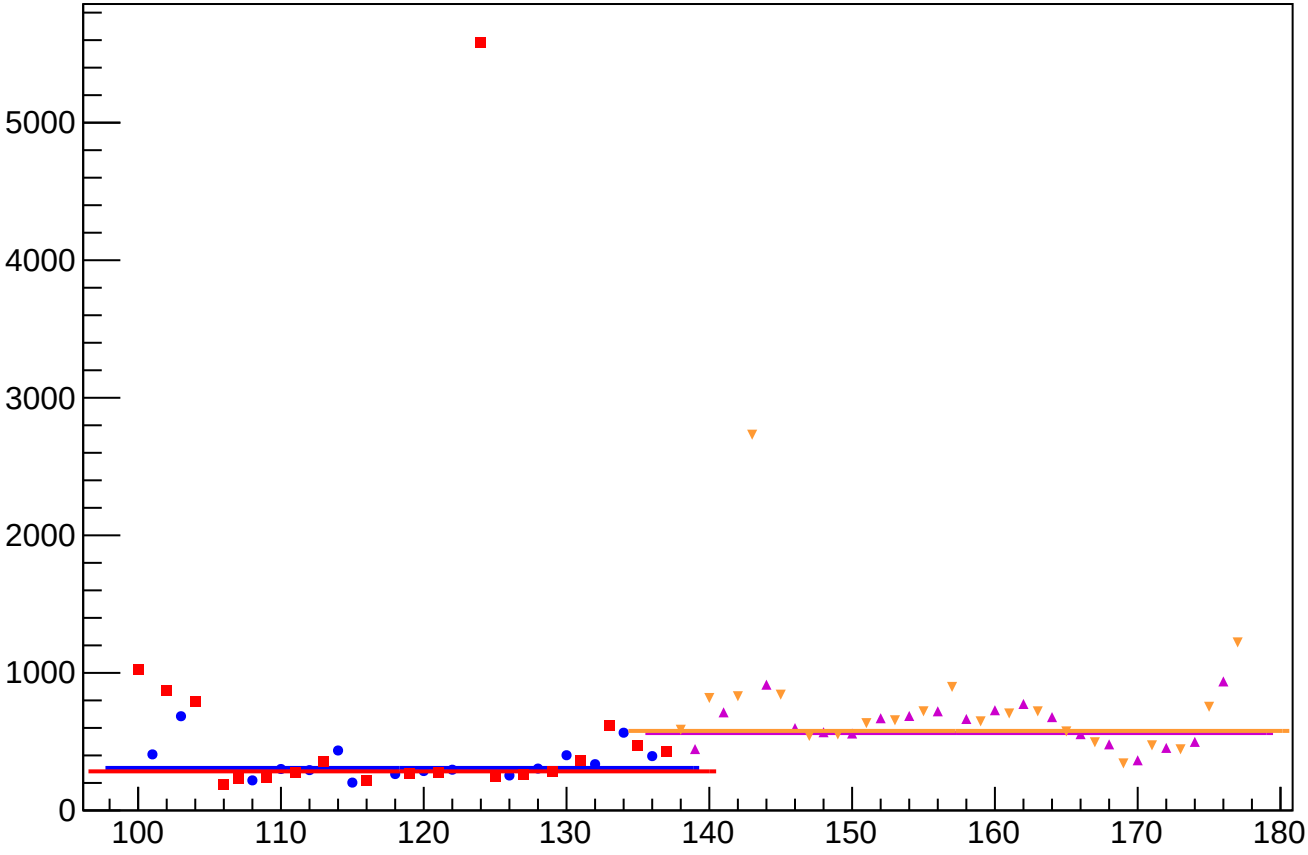
Left In: 0.094+/-0.149 χ^2/NDF:27.1/18

+ sign -0.064+/-0.095 χ^2/NDF: 36.5/36

All: -0.053+/-0.066 χ^2/NDF: 90.3/74

- sign -0.043+/-0.092 χ^2/NDF: 53.8/37

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 578.265+/-0.107 χ^2/NDF:3378106.4/20

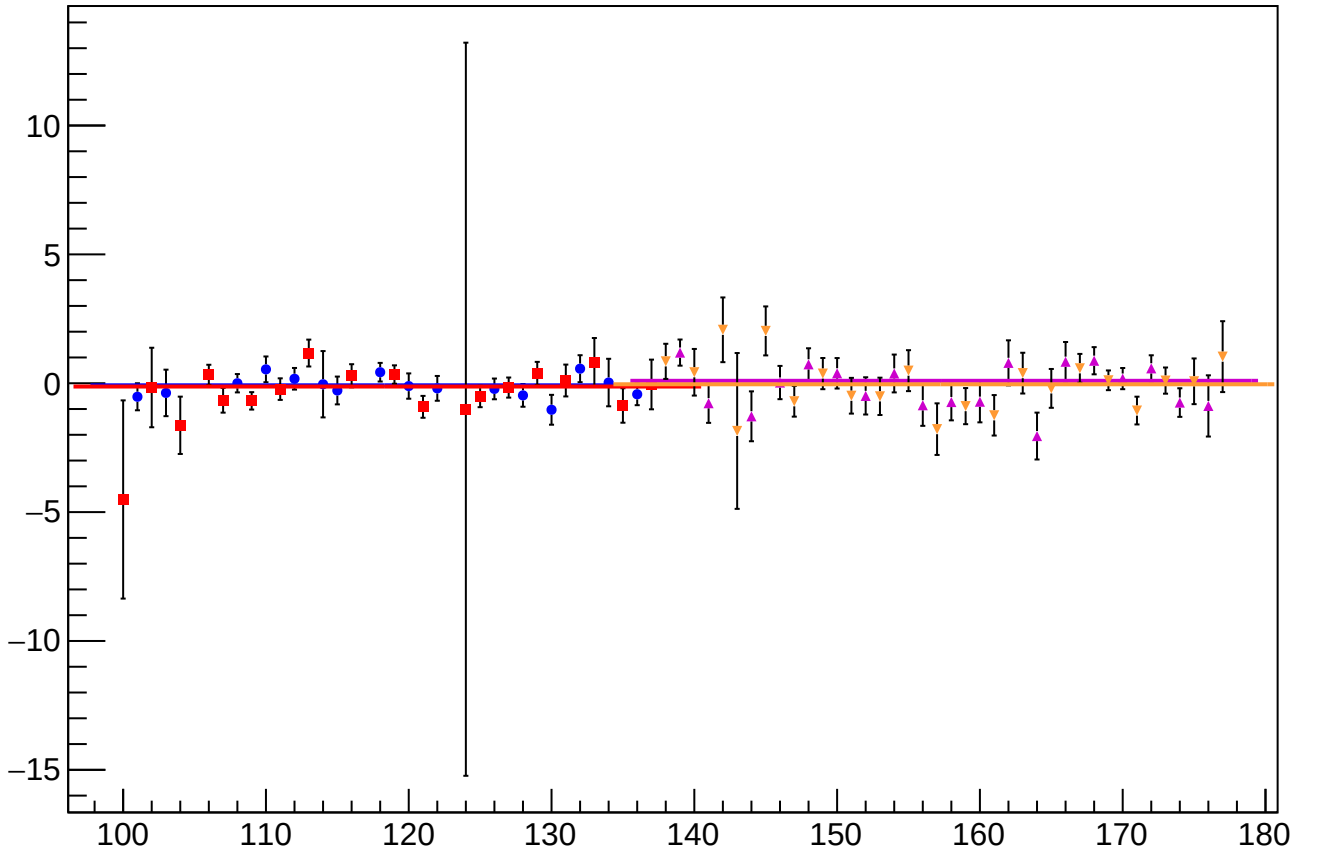
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 562.632+/-0.105 χ^2/NDF:1740299.2/18

+ sign 414.768+/-0.067 χ^2/NDF: 8223289.6/36

All: 402.097+/-0.047 χ^2/NDF: 16208632.8/74

- sign 390.208+/-0.065 χ^2/NDF: 7916346.3/37



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

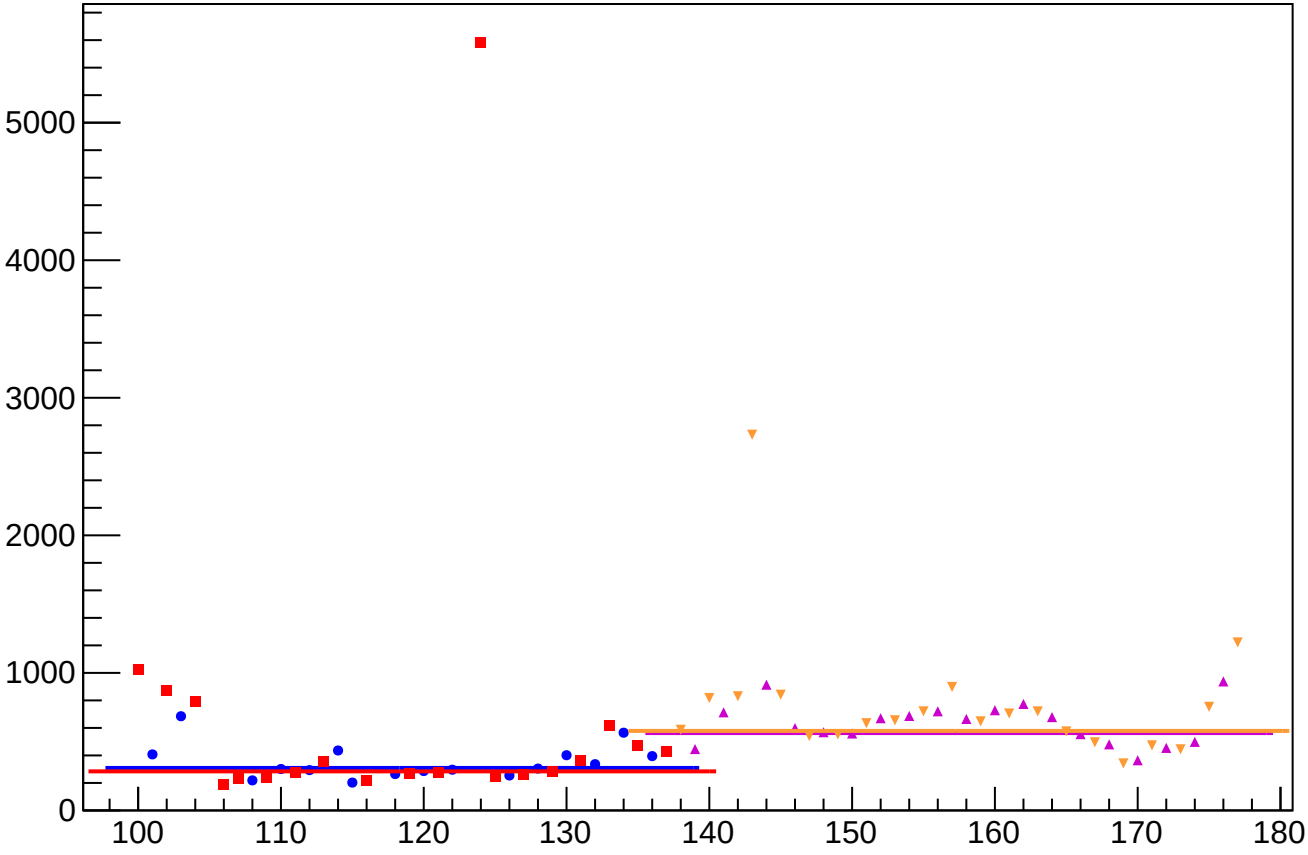
Left In: 0.094+/-0.149 χ^2/NDF:27.1/18

+ sign -0.064+/-0.095 χ^2/NDF: 36.5/36

All: -0.053+/-0.066 χ^2/NDF: 90.3/74

- sign -0.043+/-0.092 χ^2/NDF: 53.8/37

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: 578.265+/-0.107 χ^2/NDF:3378106.4/20

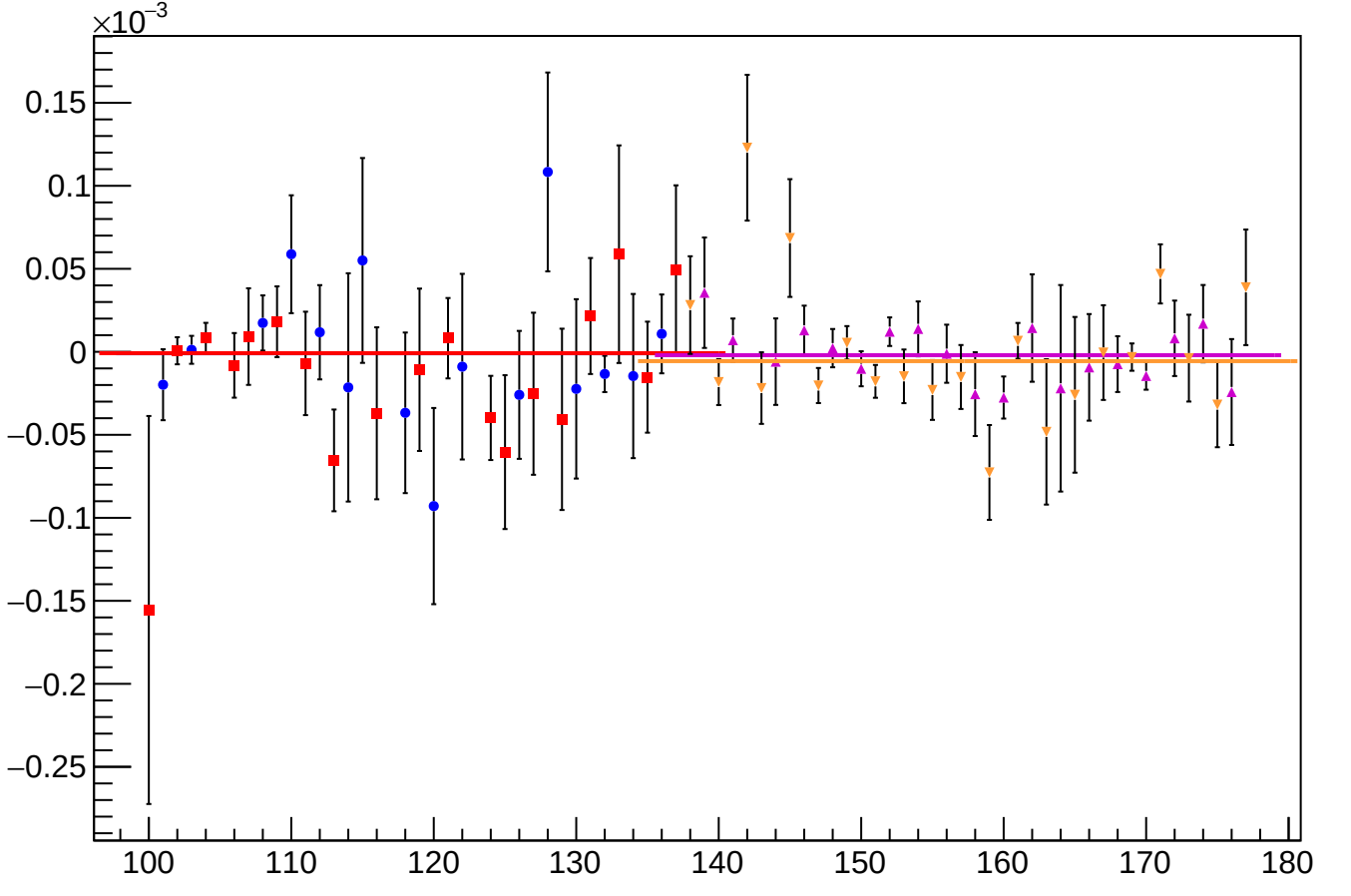
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 562.632+/-0.105 χ^2/NDF:1740299.2/18

+ sign 414.768+/-0.067 χ^2/NDF: 8223289.6/36

All: 402.097+/-0.047 χ^2/NDF: 16208632.8/74

- sign 390.208+/-0.065 χ^2/NDF: 7916346.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/20

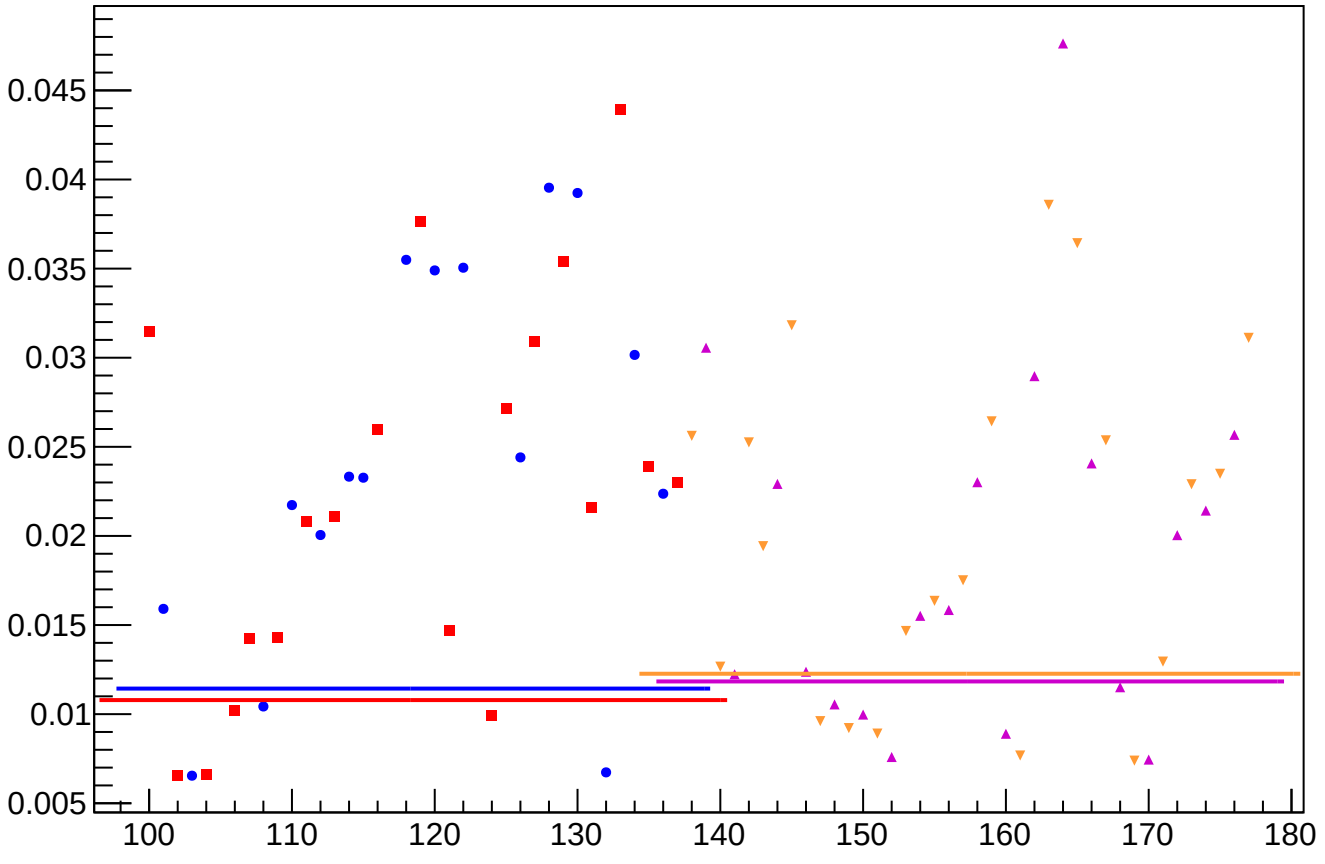
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 56.3/36

All: -0.000+/-0.000 χ^2/NDF: 89.1/74

- sign -0.000+/-0.000 χ^2/NDF: 32.4/37



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:6786061.6/20

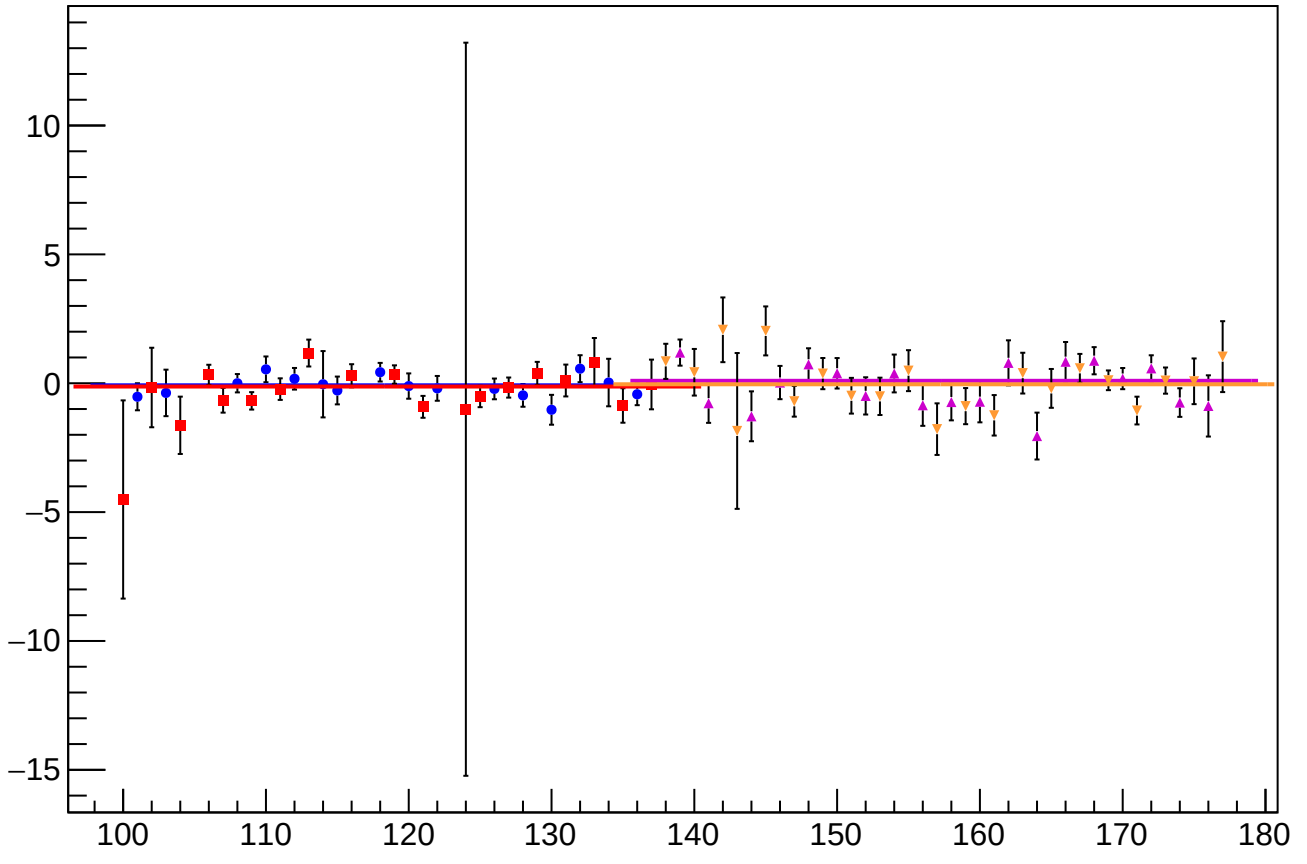
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:5326412.5/18

+ sign 0.012+/-0.000 χ^2/NDF: 11520219.5/36

All: 0.012+/-0.000 χ^2/NDF: 21416935.6/74

- sign 0.011+/-0.000 χ^2/NDF: 9861637.3/37



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

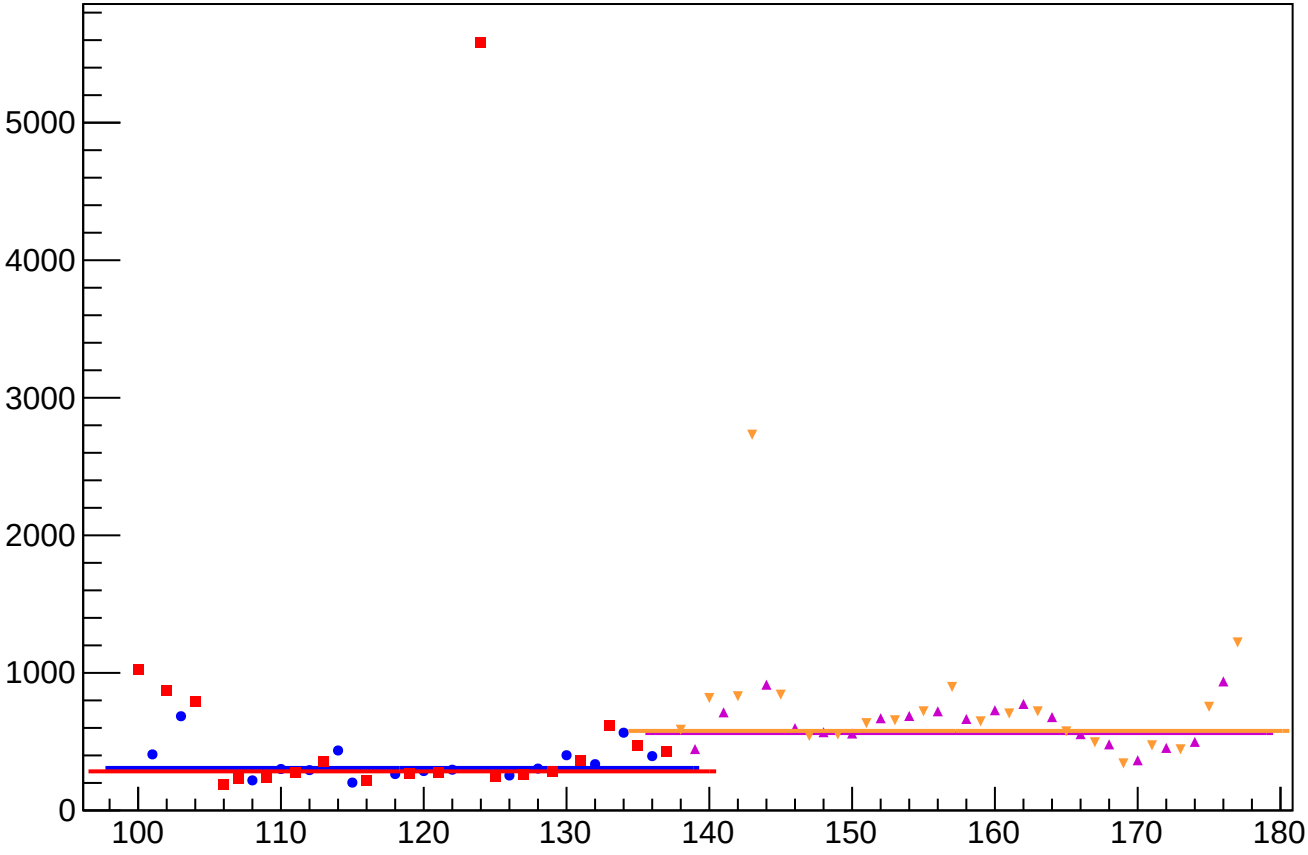
Left In: 0.094+/-0.149 χ^2/NDF:27.1/18

+ sign -0.064+/-0.095 χ^2/NDF: 36.5/36

All: -0.053+/-0.066 χ^2/NDF: 90.3/74

- sign -0.043+/-0.092 χ^2/NDF: 53.8/37

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: 578.265+/-0.107 χ^2/NDF:3378271.7/20

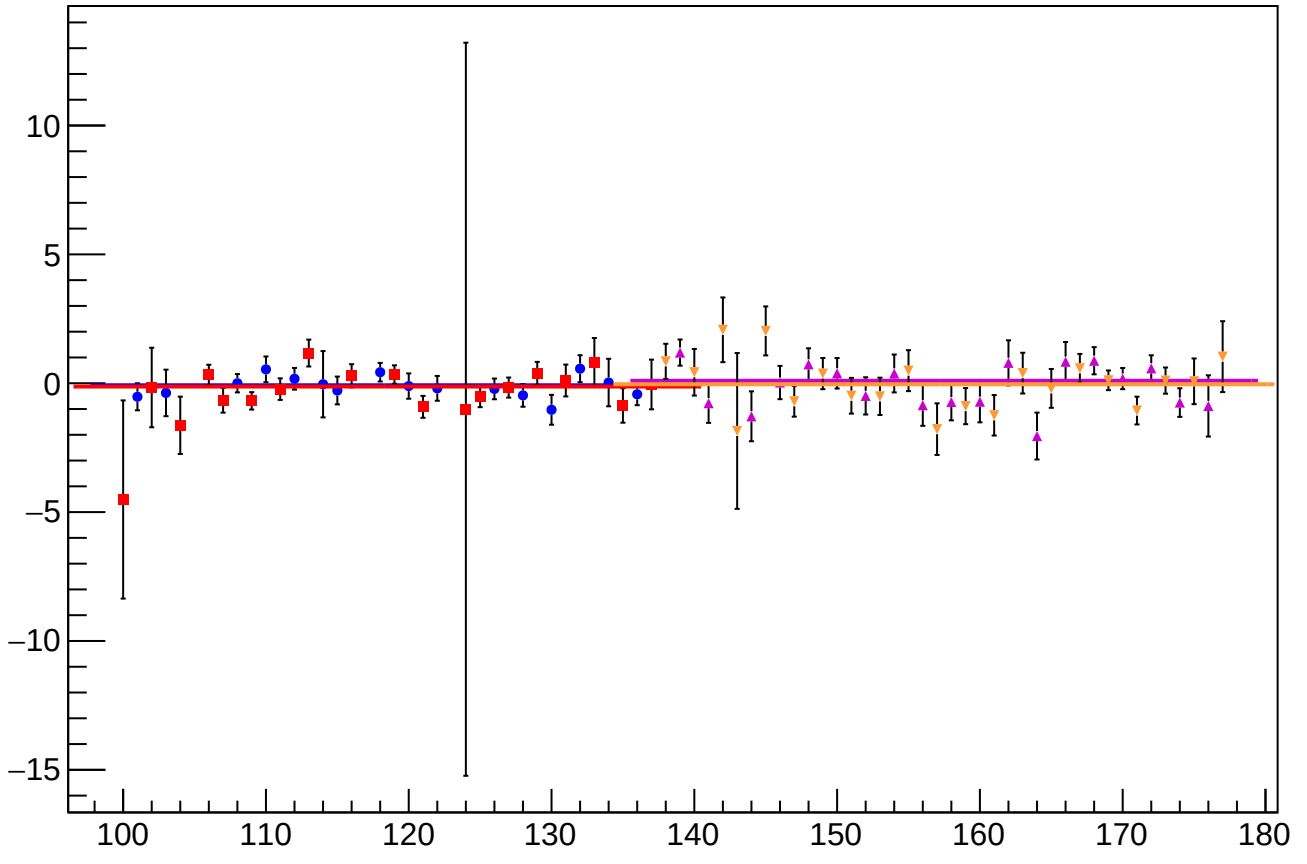
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 562.635+/-0.105 χ^2/NDF:1740395.7/18

+ sign 414.767+/-0.067 χ^2/NDF: 8223439.6/36

All: 402.096+/-0.047 χ^2/NDF: 16208933.9/74

- sign 390.207+/-0.065 χ^2/NDF: 7916500.9/37



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

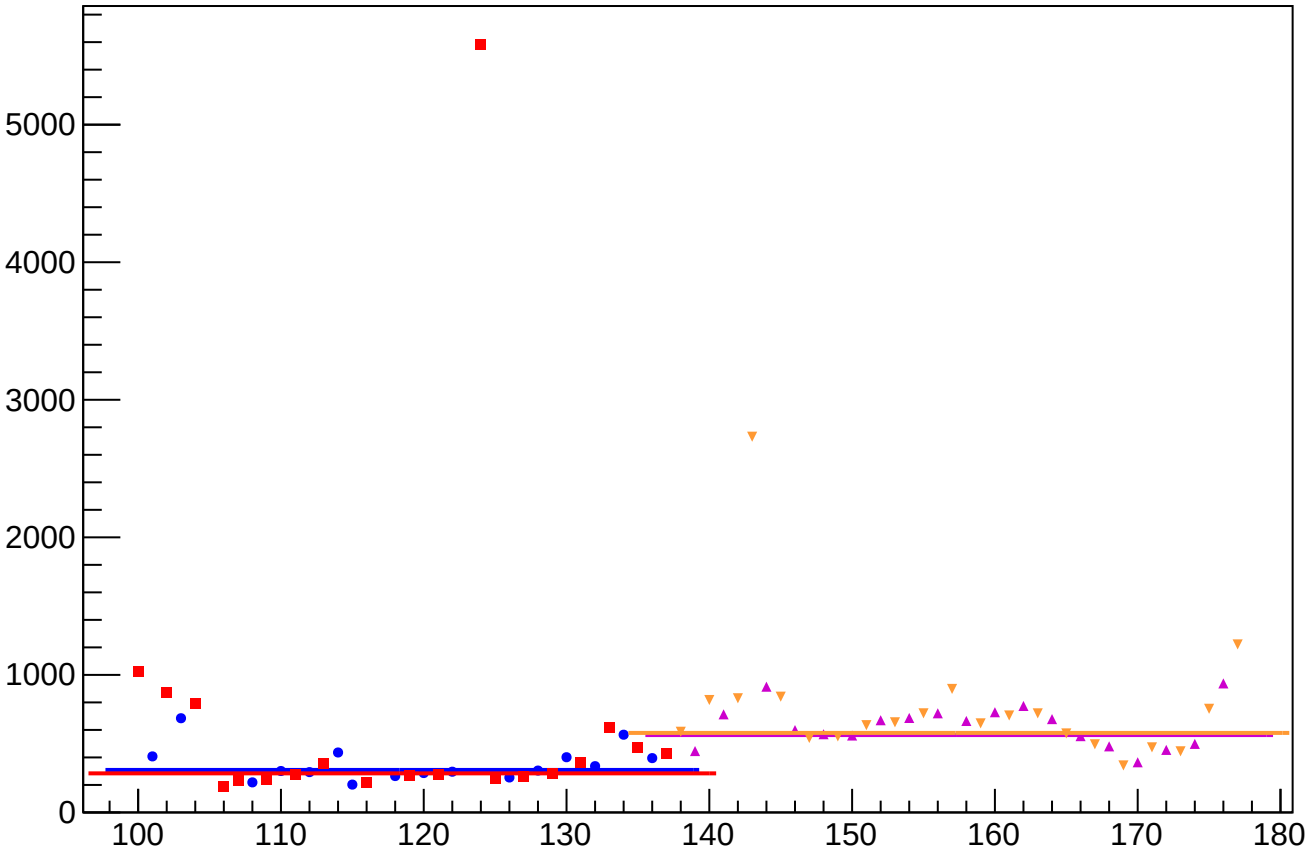
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.094+/-0.149 χ^2/NDF:27.1/18

+ sign -0.064+/-0.095 χ^2/NDF: 36.5/36

All: -0.053+/-0.066 χ^2/NDF: 90.3/74

- sign -0.043+/-0.092 χ^2/NDF: 53.8/37



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 578.265+/-0.107 χ^2/NDF:3378271.7/20

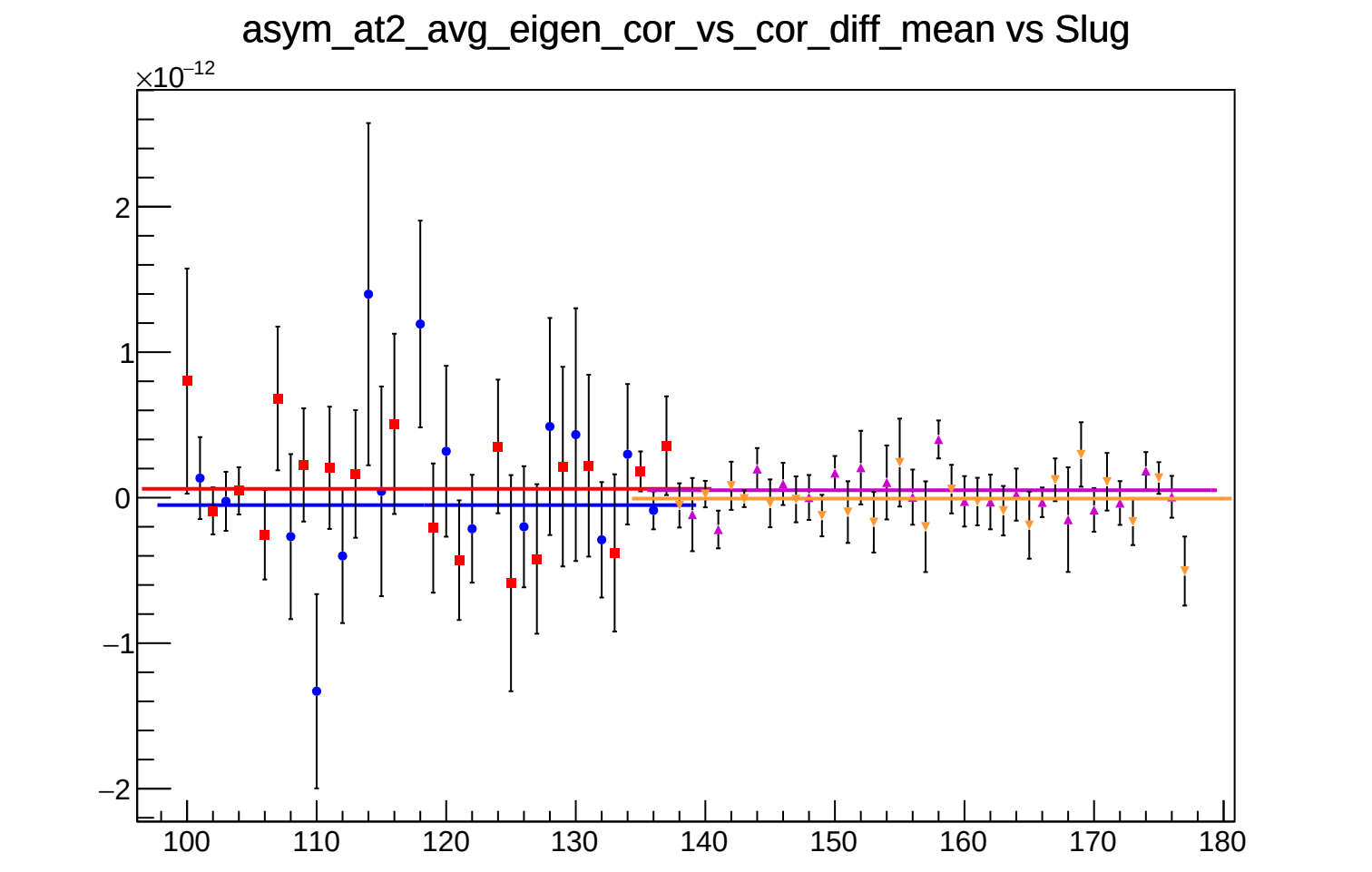
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 562.635+/-0.105 χ^2/NDF:1740395.7/18

+ sign 414.767+/-0.067 χ^2/NDF: 8223439.6/36

All: 402.096+/-0.047 χ^2/NDF: 16208933.9/74

- sign 390.207+/-0.065 χ^2/NDF: 7916500.9/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/20

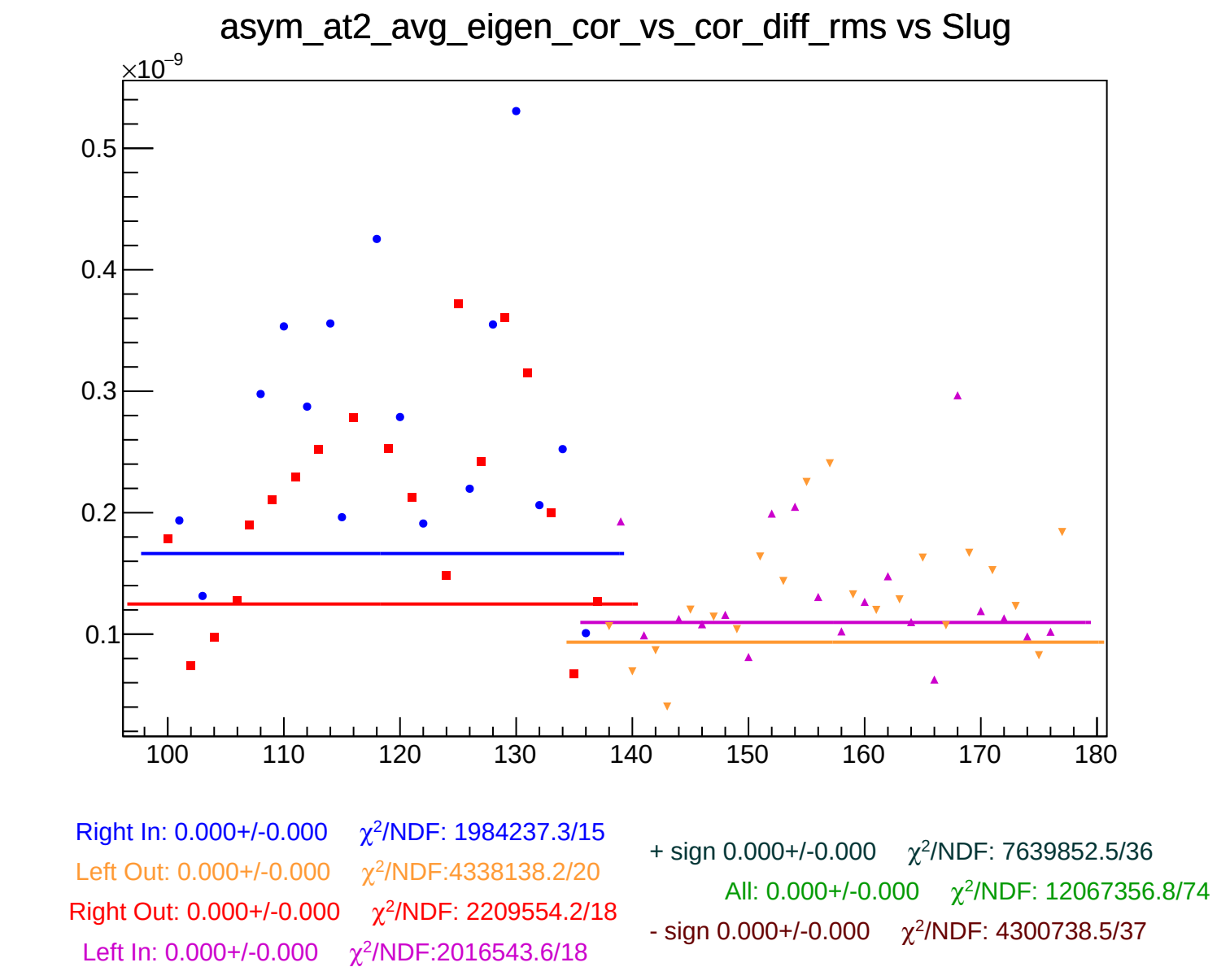
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/18

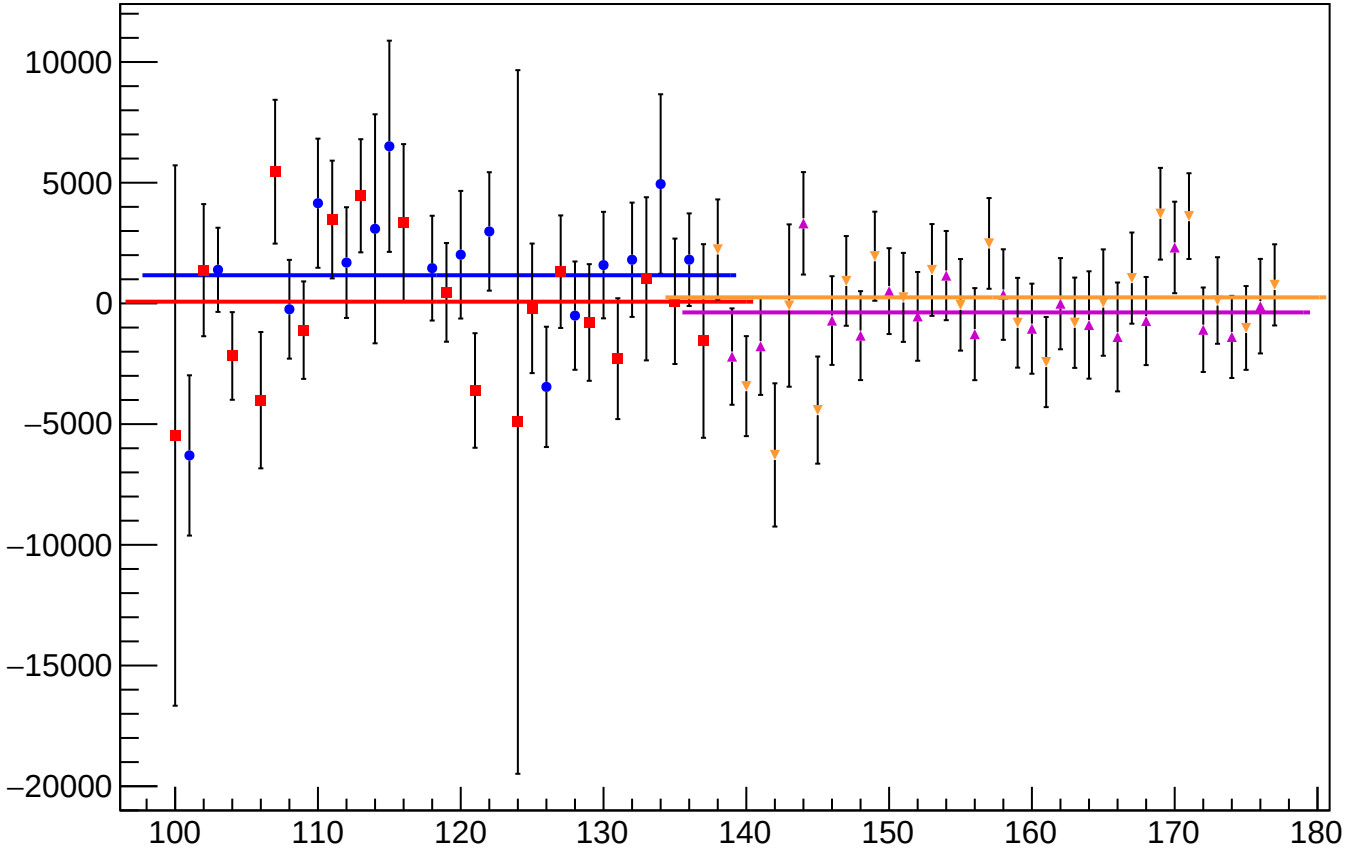
+ sign -0.000+/-0.000 χ^2/NDF: 26.3/36

All: 0.000+/-0.000 χ^2/NDF: 58.5/74

- sign 0.000+/-0.000 χ^2/NDF: 29.9/37


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:4338138.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:2016543.6/18
+ sign 0.000+/-0.000 χ²/NDF: 7639852.5/36
All: 0.000+/-0.000 χ²/NDF: 12067356.8/74
- sign 0.000+/-0.000 χ²/NDF: 4300738.5/37

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 250.862+/-425.405 χ^2/NDF:26.6/20

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

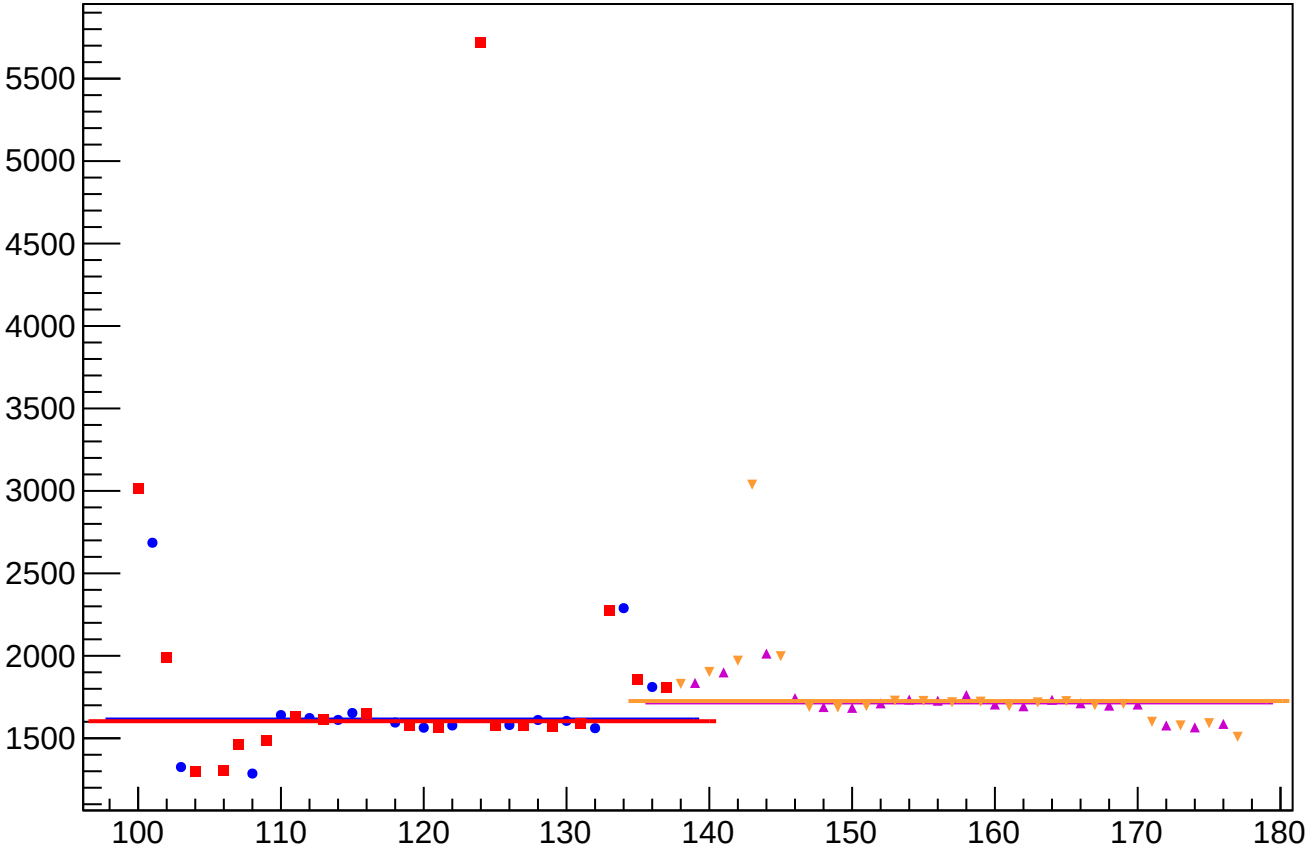
Left In: -372.540+/-436.383 χ^2/NDF:9.0/18

+ sign 551.133+/-348.778 χ^2/NDF: 42.5/36

All: 170.950+/-248.308 χ^2/NDF: 72.5/74

- sign -219.804+/-353.594 χ^2/NDF: 27.6/37

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1725.770+/-0.301 χ^2/NDF:439954.1/20

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

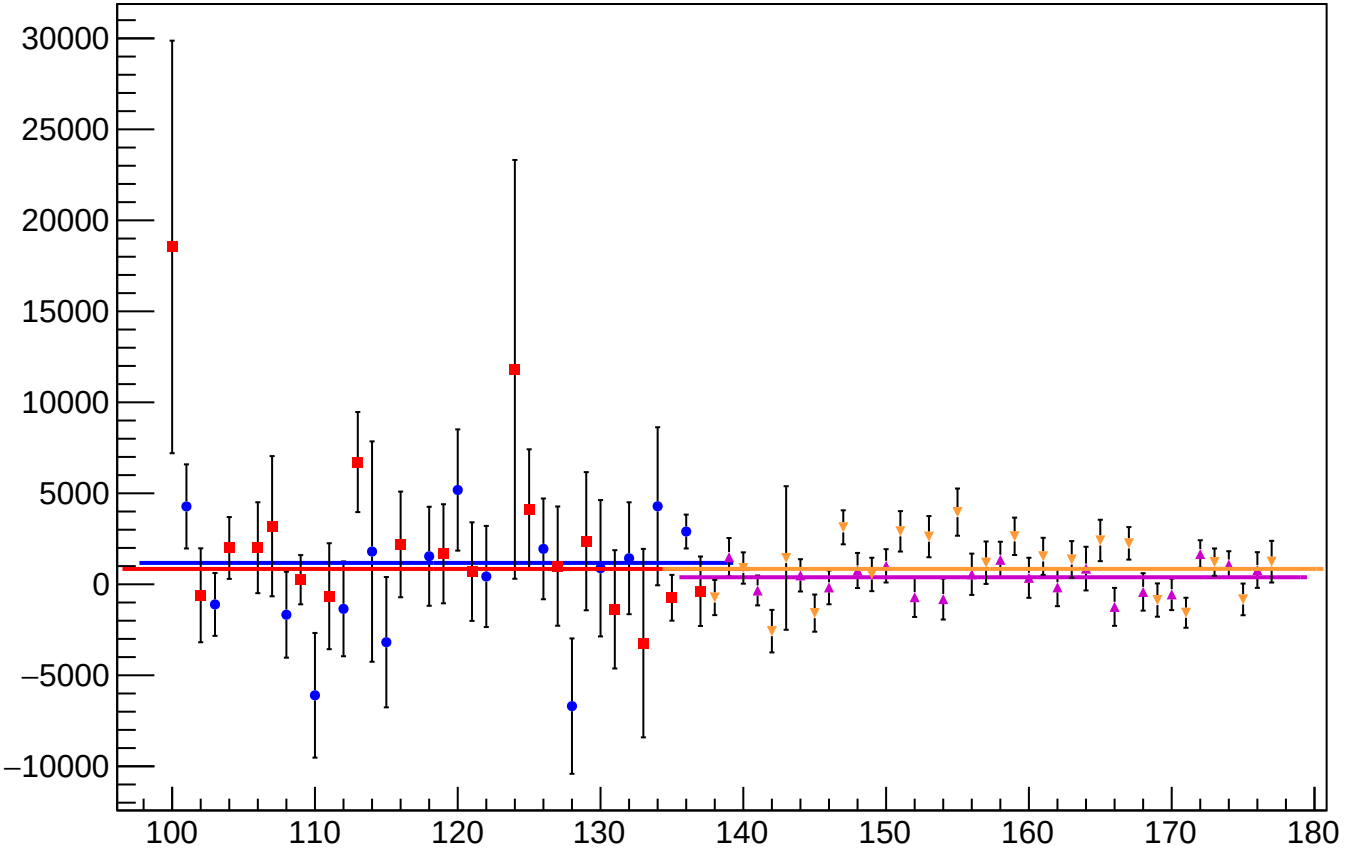
Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

+ sign 1689.024+/-0.247 χ^2/NDF: 890165.3/36

All: 1683.687+/-0.176 χ^2/NDF: 1467057.2/74

- sign 1678.201+/-0.250 χ^2/NDF: 575942.2/37

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 846.807+/-218.945 χ^2/NDF:59.0/20

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

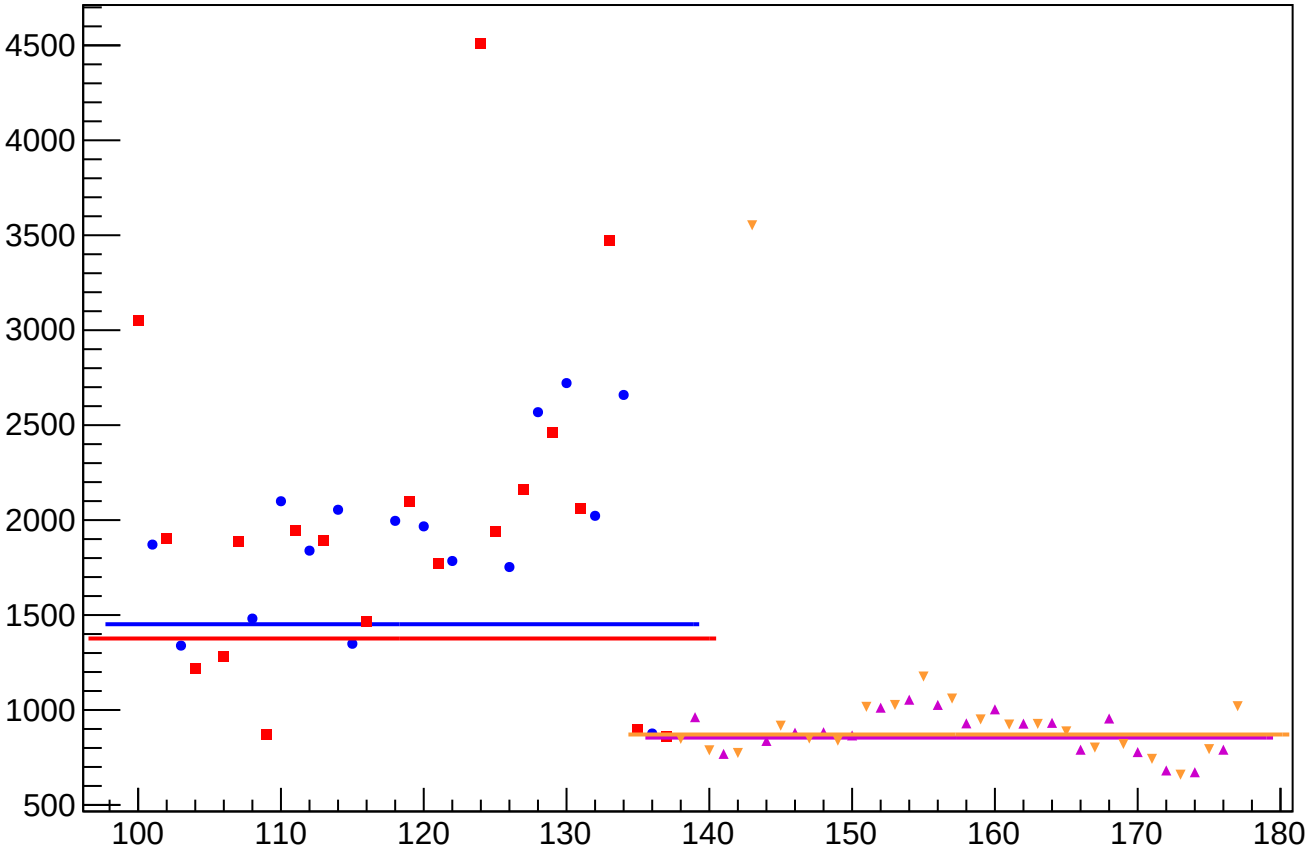
Left In: 388.113+/-219.273 χ^2/NDF:14.5/18

+ sign 887.917+/-204.795 χ^2/NDF: 81.2/36

All: 667.754+/-144.549 χ^2/NDF: 112.9/74

- sign 449.181+/-204.053 χ^2/NDF: 29.4/37

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 870.919+/-0.155 χ^2/NDF:1499363.5/20

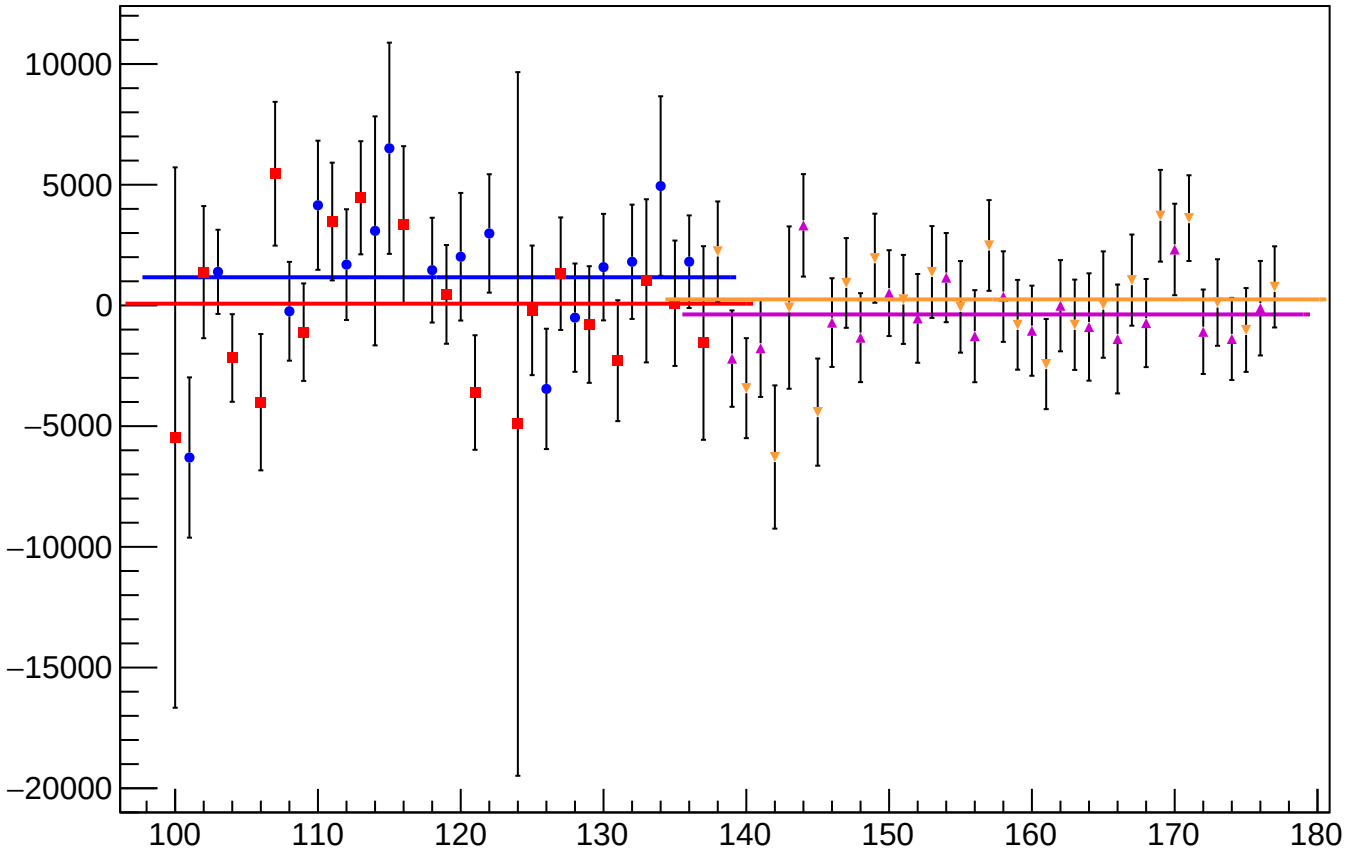
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 854.584+/-0.155 χ^2/NDF:542461.8/18

+ sign 943.554+/-0.145 χ^2/NDF: 5050029.5/36

All: 934.000+/-0.102 χ^2/NDF: 9251336.1/74

- sign 924.515+/-0.144 χ^2/NDF: 4192632.7/37



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 250.817+/-425.405 χ^2/NDF:26.6/20

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

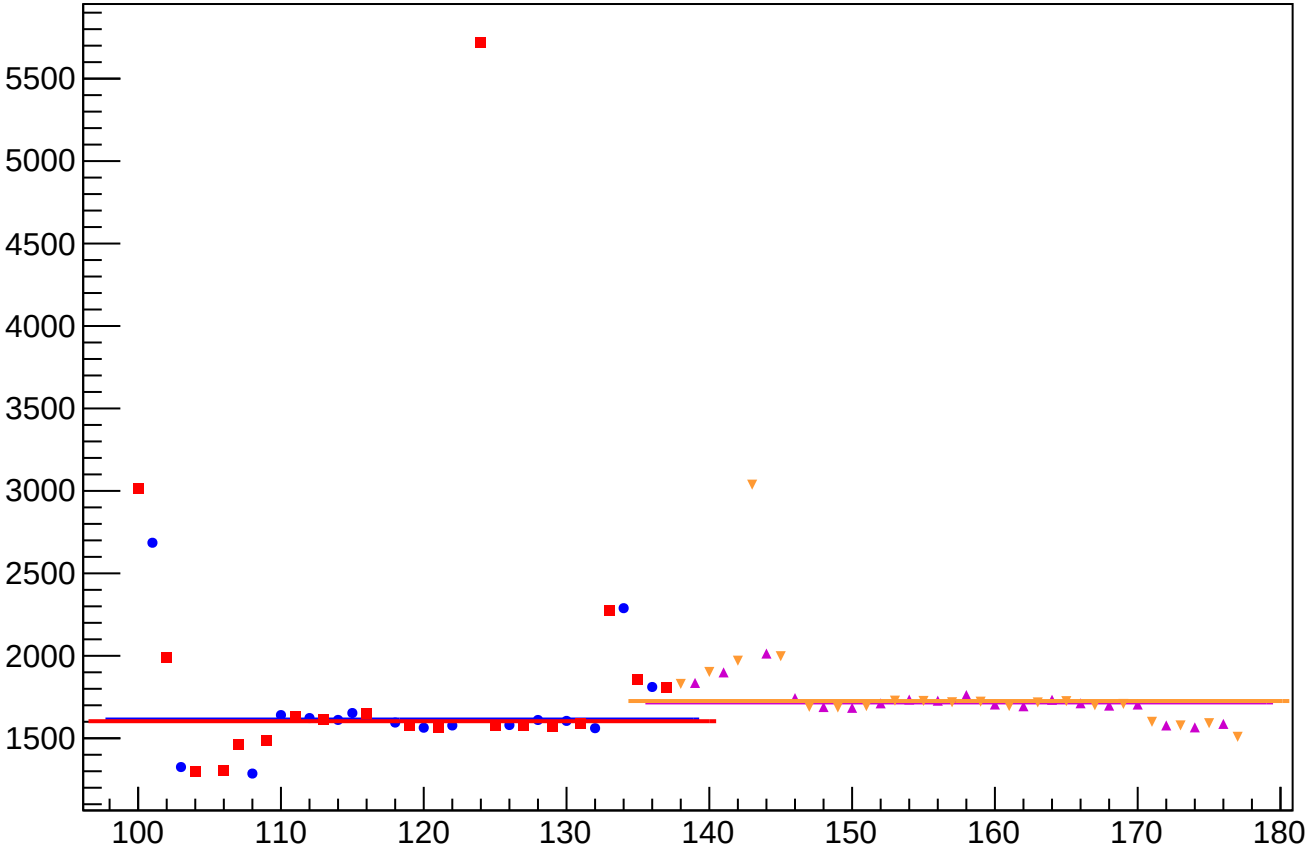
Left In: -372.451+/-436.383 χ^2/NDF:9.0/18

+ sign 551.073+/-348.778 χ^2/NDF: 42.5/36

All: 171.002+/-248.308 χ^2/NDF: 72.6/74

- sign -219.636+/-353.594 χ^2/NDF: 27.6/37

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1725.770+/-0.301 χ^2/NDF:439954.1/20

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

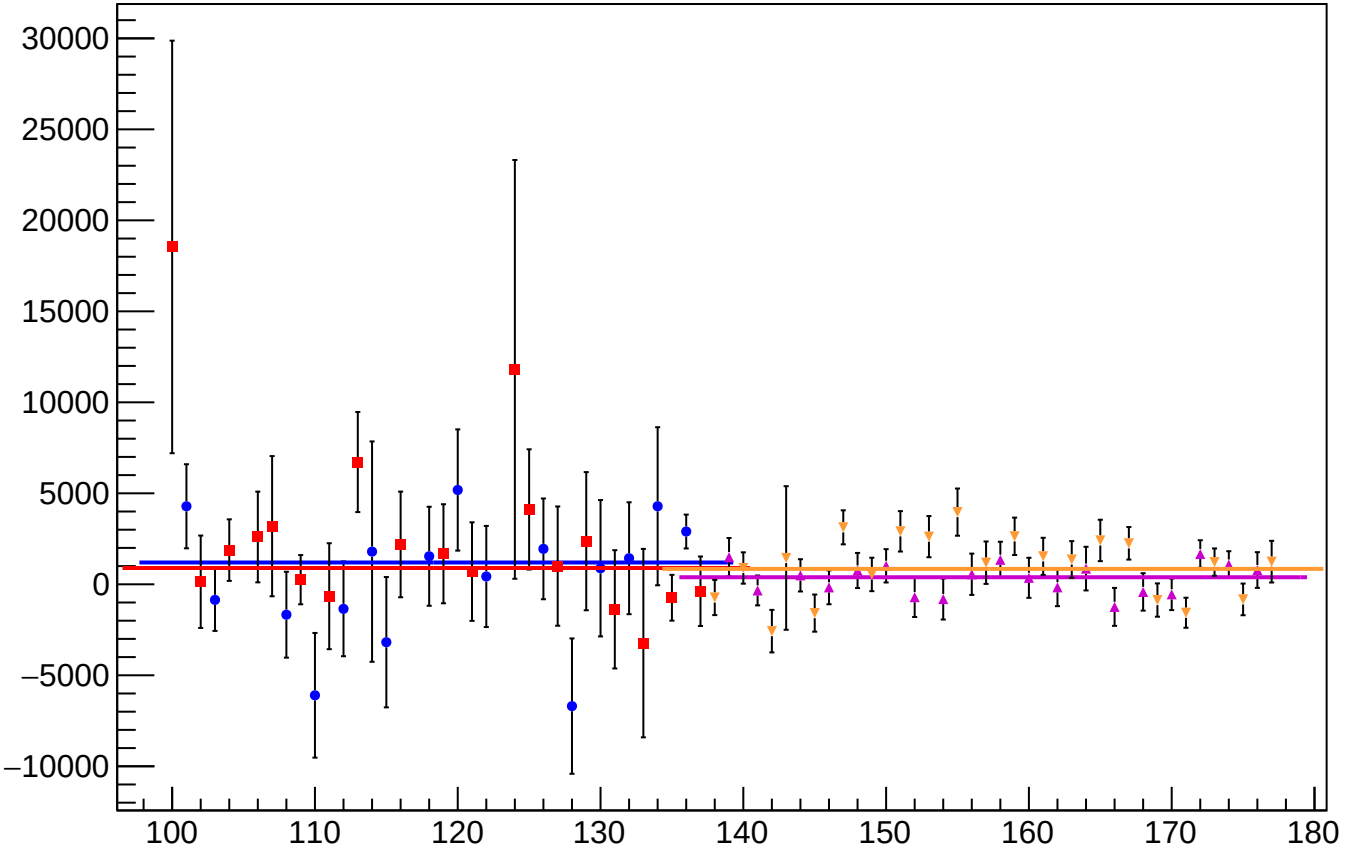
Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

+ sign 1689.024+/-0.247 χ^2/NDF: 890165.6/36

All: 1683.687+/-0.176 χ^2/NDF: 1467057.7/74

- sign 1678.201+/-0.250 χ^2/NDF: 575942.4/37

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 846.881+/-218.947 χ^2/NDF:59.0/20

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

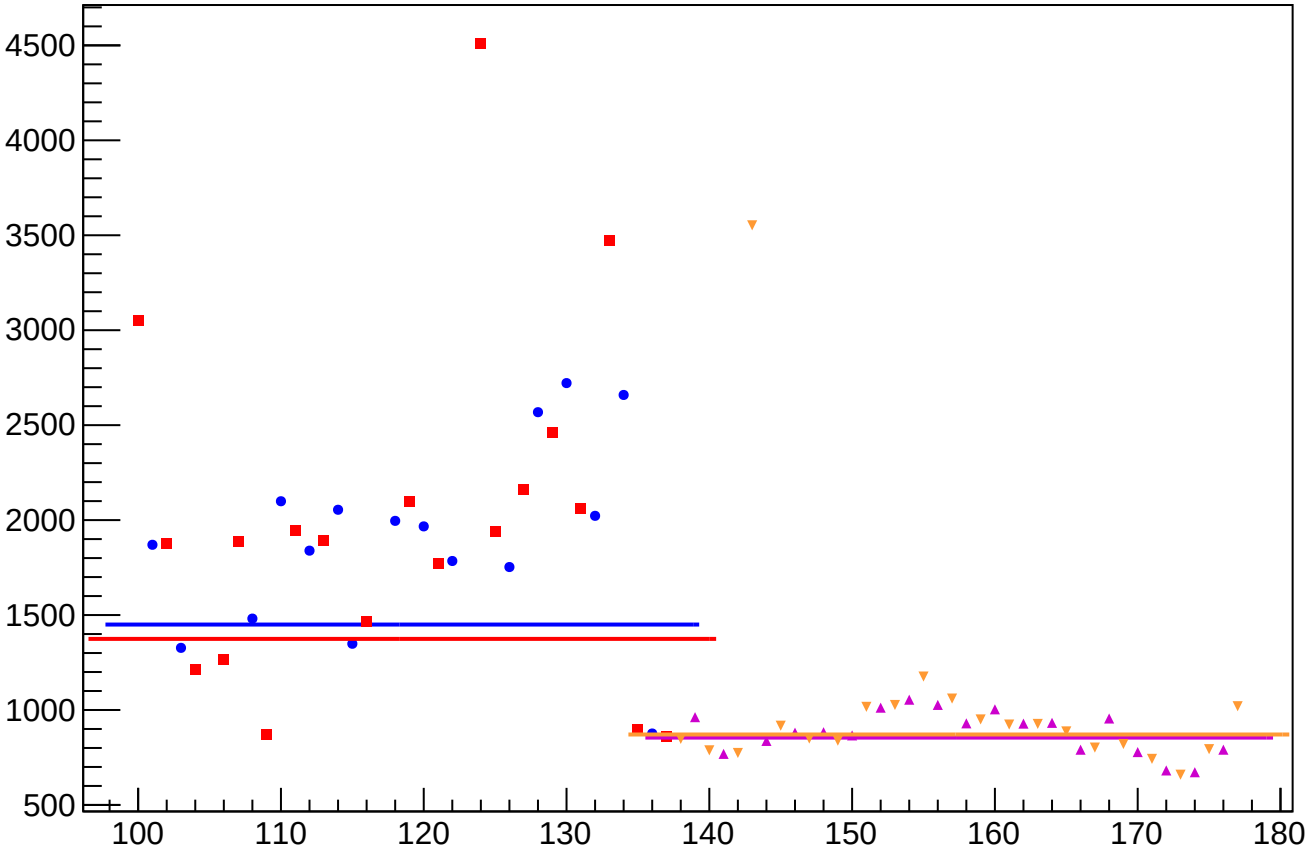
Left In: 388.095+/-219.273 χ^2/NDF:14.5/18

+ sign 890.952+/-204.760 χ^2/NDF: 81.0/36

All: 672.806+/-144.523 χ^2/NDF: 112.7/74

- sign 456.244+/-204.016 χ^2/NDF: 29.5/37

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 870.929+/-0.155 χ^2/NDF:1499285.5/20

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

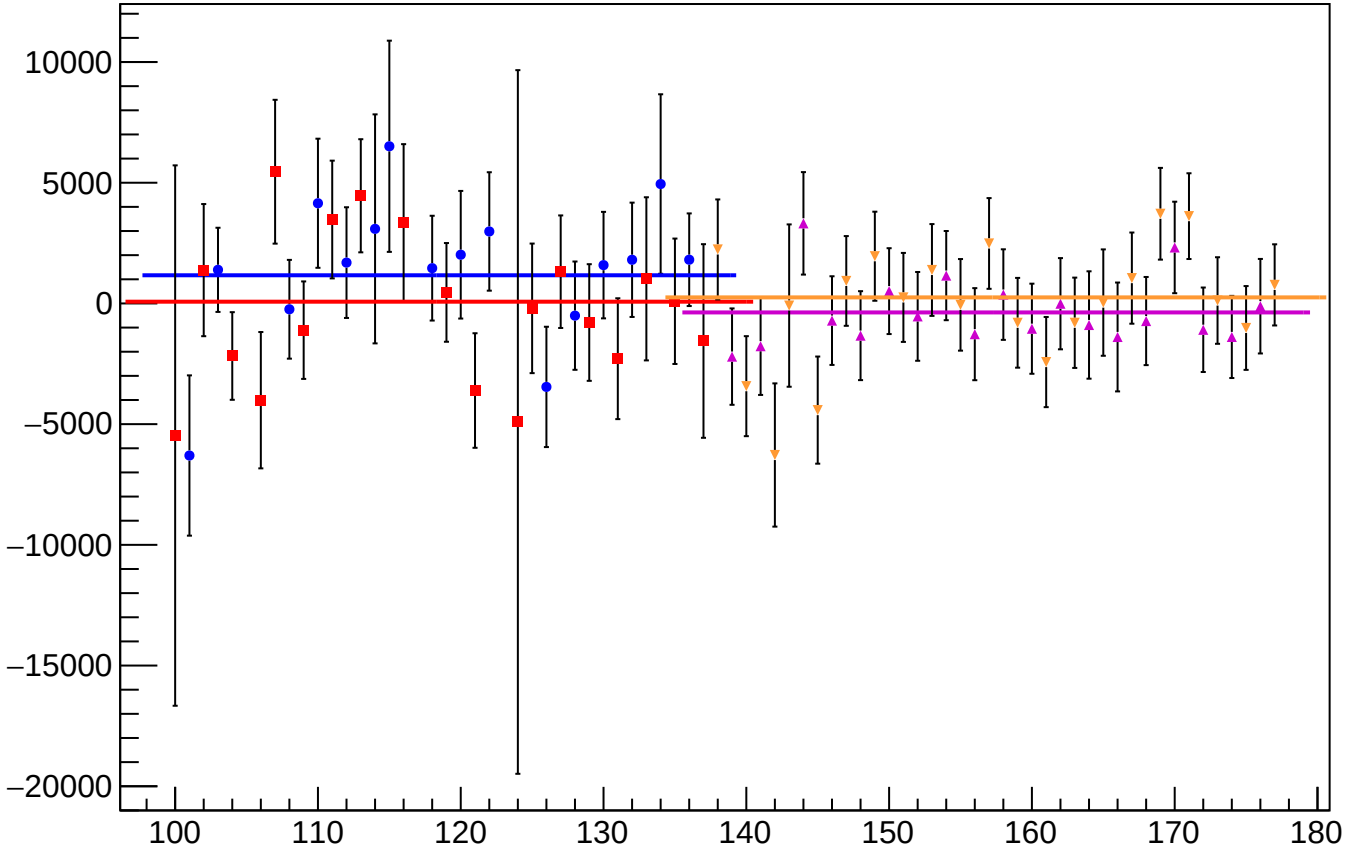
Left In: 854.585+/-0.155 χ^2/NDF:542473.8/18

+ sign 943.533+/-0.145 χ^2/NDF: 5045829.5/36

All: 933.937+/-0.102 χ^2/NDF: 9234688.2/74

- sign 924.411+/-0.144 χ^2/NDF: 4180105.9/37

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 250.817+/-425.405 χ^2/NDF:26.6/20

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

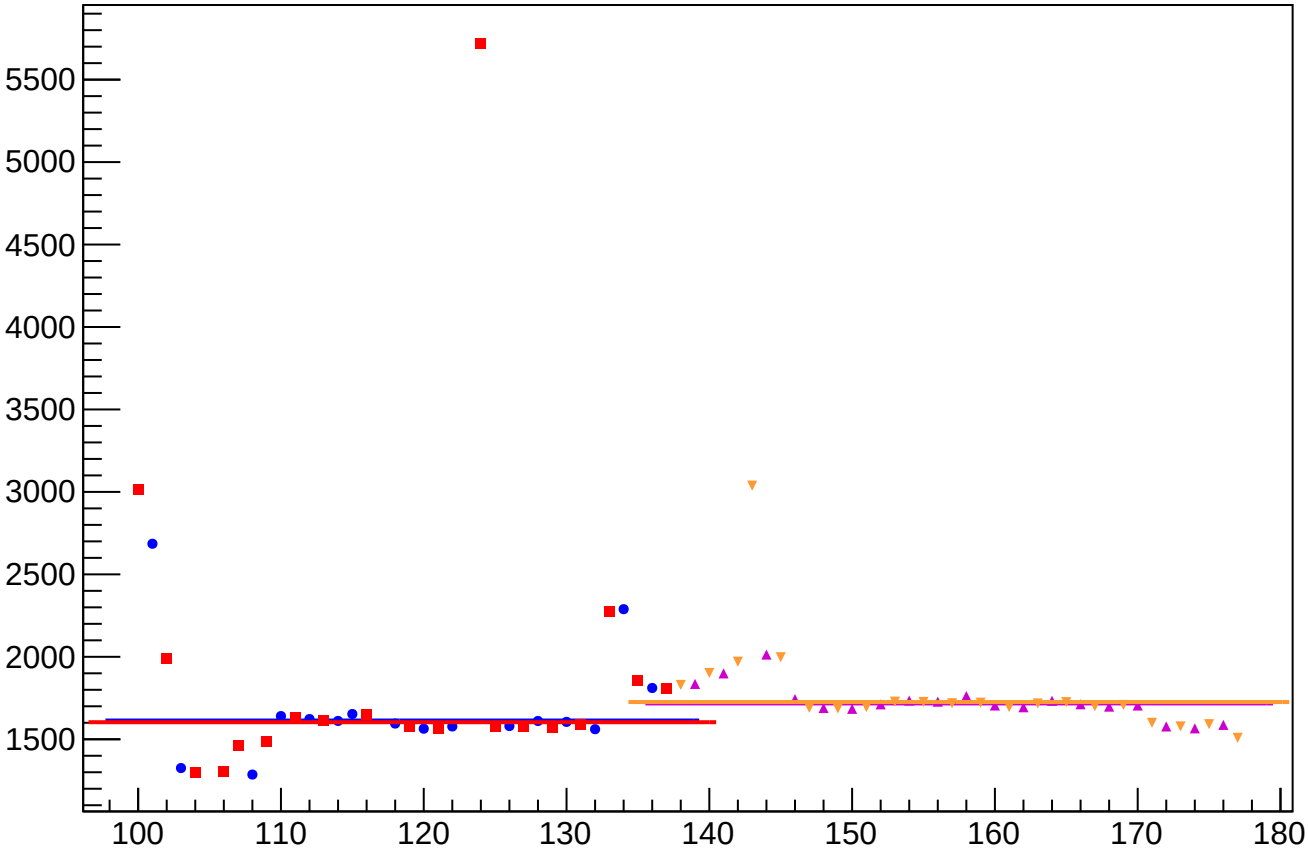
Left In: -372.451+/-436.383 χ^2/NDF:9.0/18

+ sign 551.073+/-348.778 χ^2/NDF: 42.5/36

All: 171.002+/-248.308 χ^2/NDF: 72.6/74

- sign -219.636+/-353.594 χ^2/NDF: 27.6/37

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1725.770+/-0.301 χ^2/NDF:439954.1/20

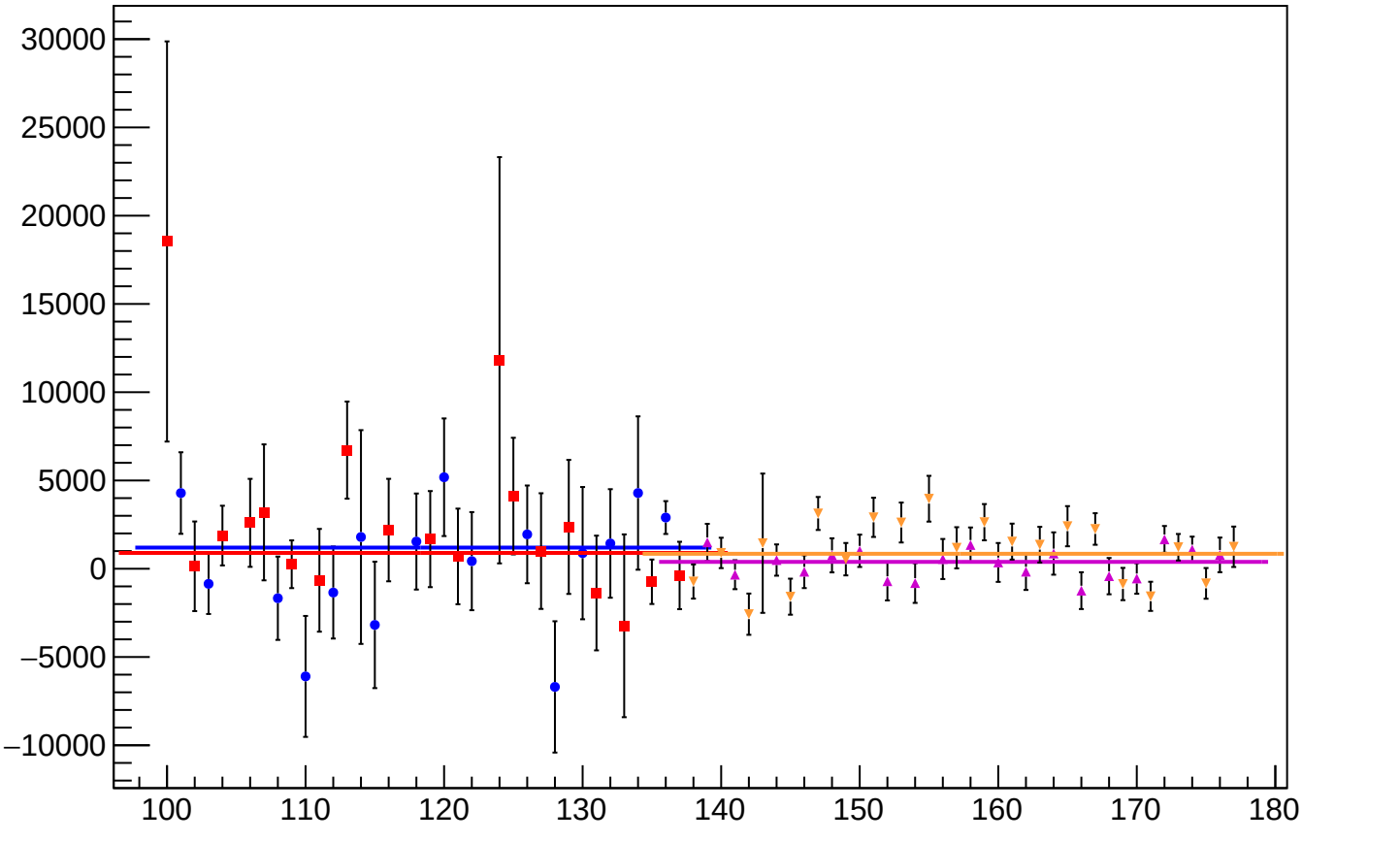
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

+ sign 1689.024+/-0.247 χ^2/NDF: 890165.6/36

All: 1683.687+/-0.176 χ^2/NDF: 1467057.7/74

- sign 1678.201+/-0.250 χ^2/NDF: 575942.4/37



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 846.881+/-218.947 χ^2/NDF:59.0/20

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

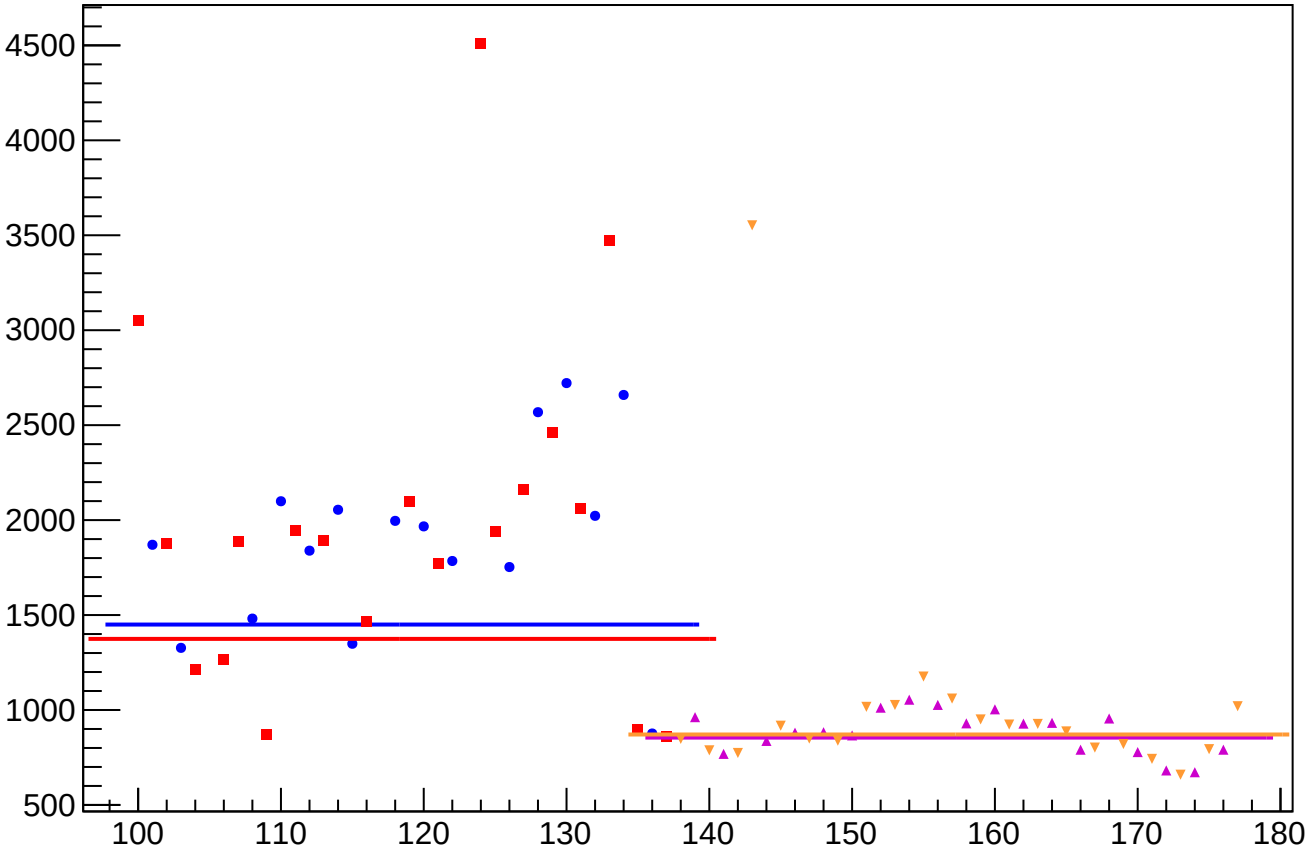
Left In: 388.095+/-219.273 χ^2/NDF:14.5/18

+ sign 890.952+/-204.760 χ^2/NDF: 81.0/36

All: 672.806+/-144.523 χ^2/NDF: 112.7/74

- sign 456.244+/-204.016 χ^2/NDF: 29.5/37

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 870.929+/-0.155 χ^2/NDF:1499285.5/20

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

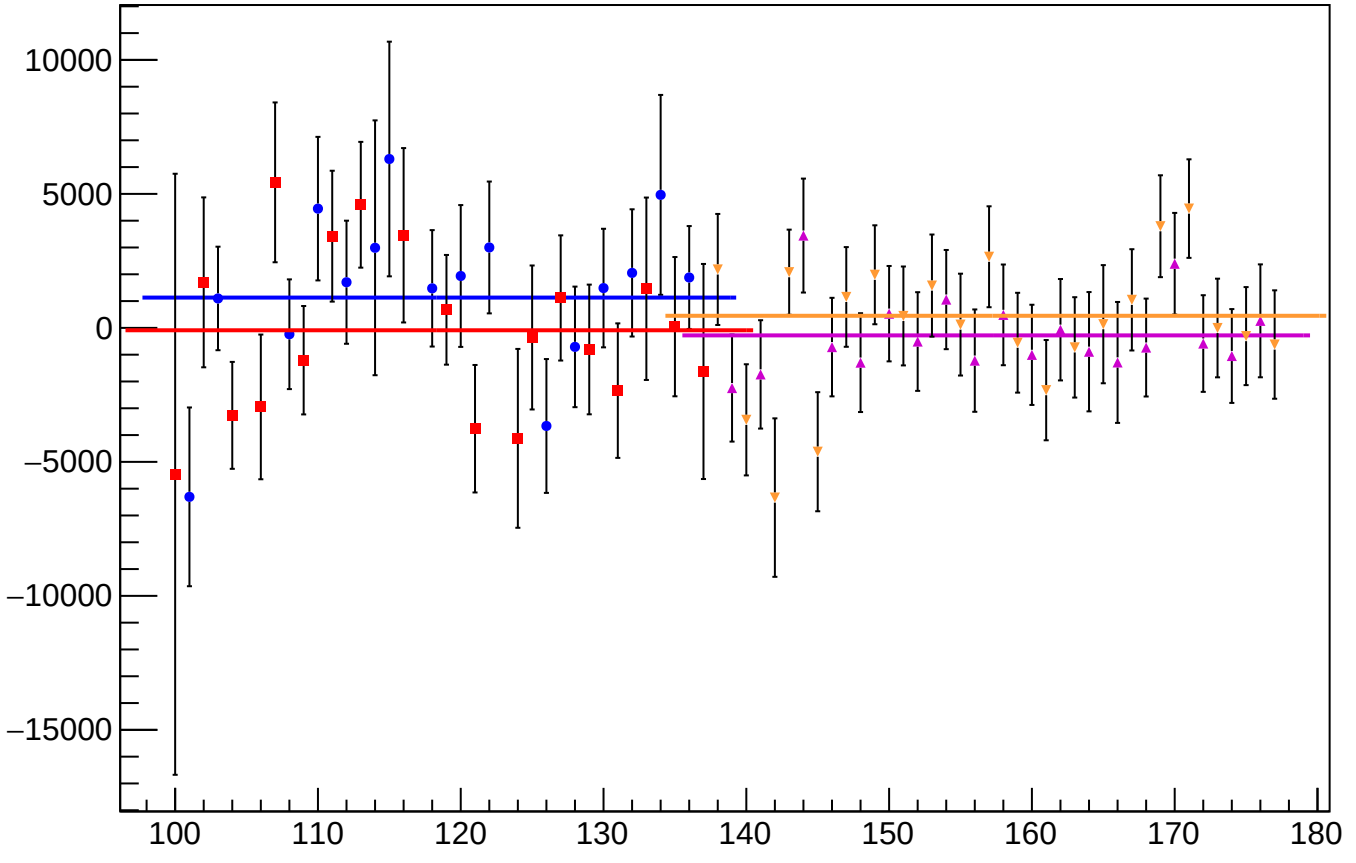
Left In: 854.585+/-0.155 χ^2/NDF:542473.8/18

+ sign 943.533+/-0.145 χ^2/NDF: 5045829.5/36

All: 933.937+/-0.102 χ^2/NDF: 9234688.2/74

- sign 924.411+/-0.144 χ^2/NDF: 4180105.9/37

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 451.532+/-420.881 χ^2/NDF:29.7/20

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

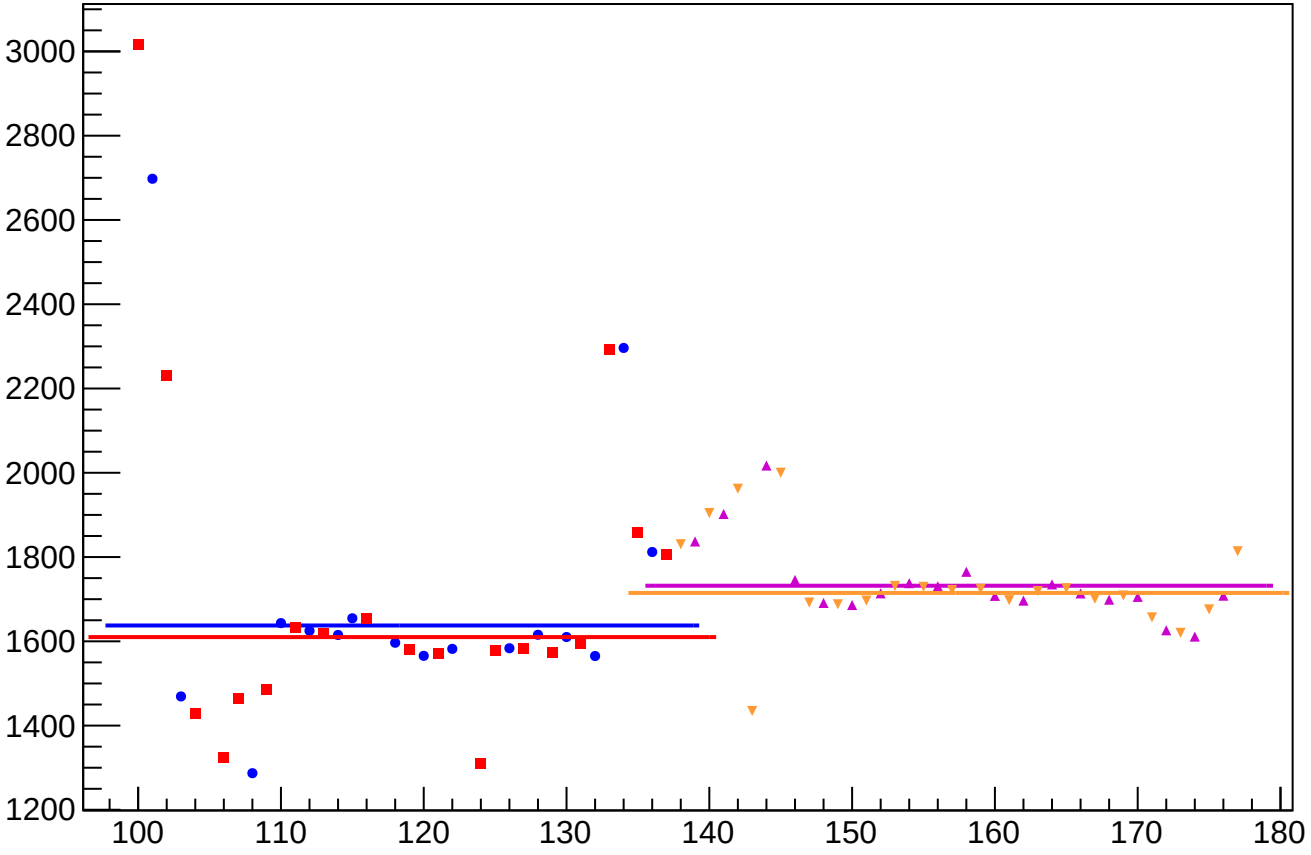
Left In: -280.019+/-439.928 χ^2/NDF:8.8/18

+ sign 667.100+/-347.733 χ^2/NDF: 45.5/36

All: 236.293+/-248.555 χ^2/NDF: 78.2/74

- sign -213.751+/-355.412 χ^2/NDF: 29.6/37

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1714.835+/-0.298 χ^2/NDF:146794.3/20

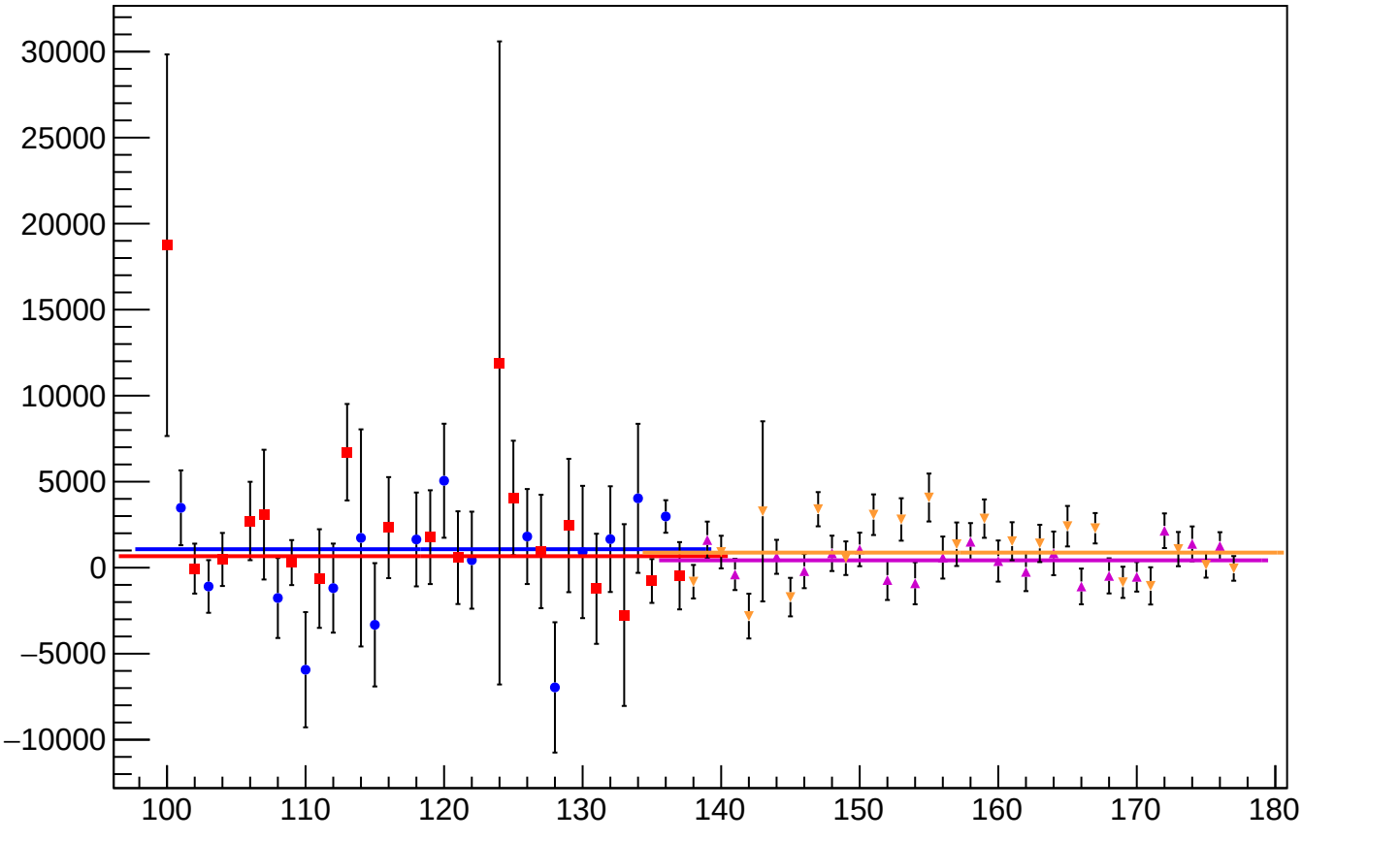
Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1731.948+/-0.311 χ^2/NDF:77813.4/18

+ sign 1690.313+/-0.246 χ^2/NDF: 529602.0/36

All: 1689.968+/-0.176 χ^2/NDF: 941569.7/74

- sign 1689.608+/-0.251 χ^2/NDF: 411963.7/37



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 876.463+/-226.739 χ^2/NDF:51.9/20

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

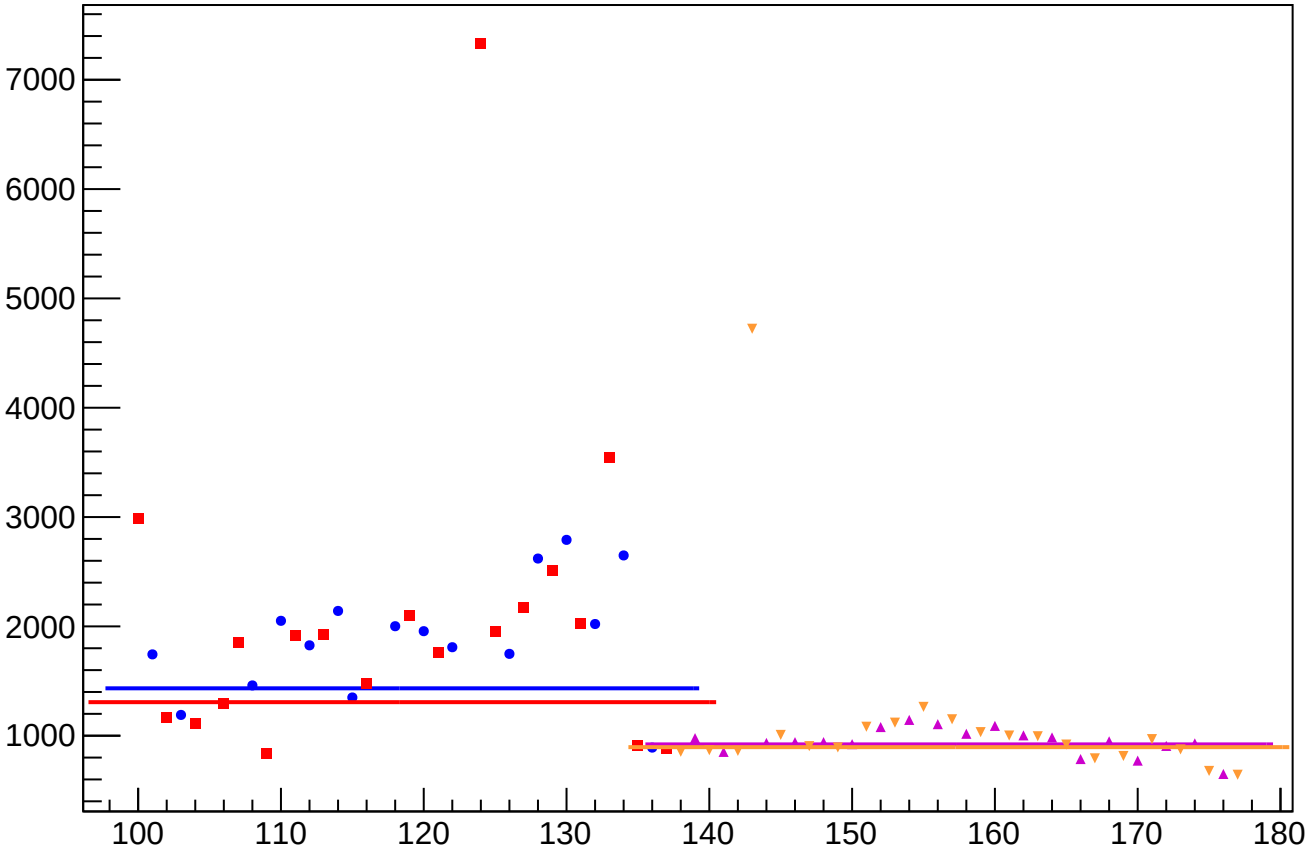
Left In: 426.651+/-236.162 χ^2/NDF:15.7/18

+ sign 903.264+/-210.763 χ^2/NDF: 74.0/36

All: 689.955+/-150.600 χ^2/NDF: 105.6/74

- sign 467.428+/-215.269 χ^2/NDF: 29.5/37

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 895.361+/-0.160 χ^2/NDF:1969654.9/20

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

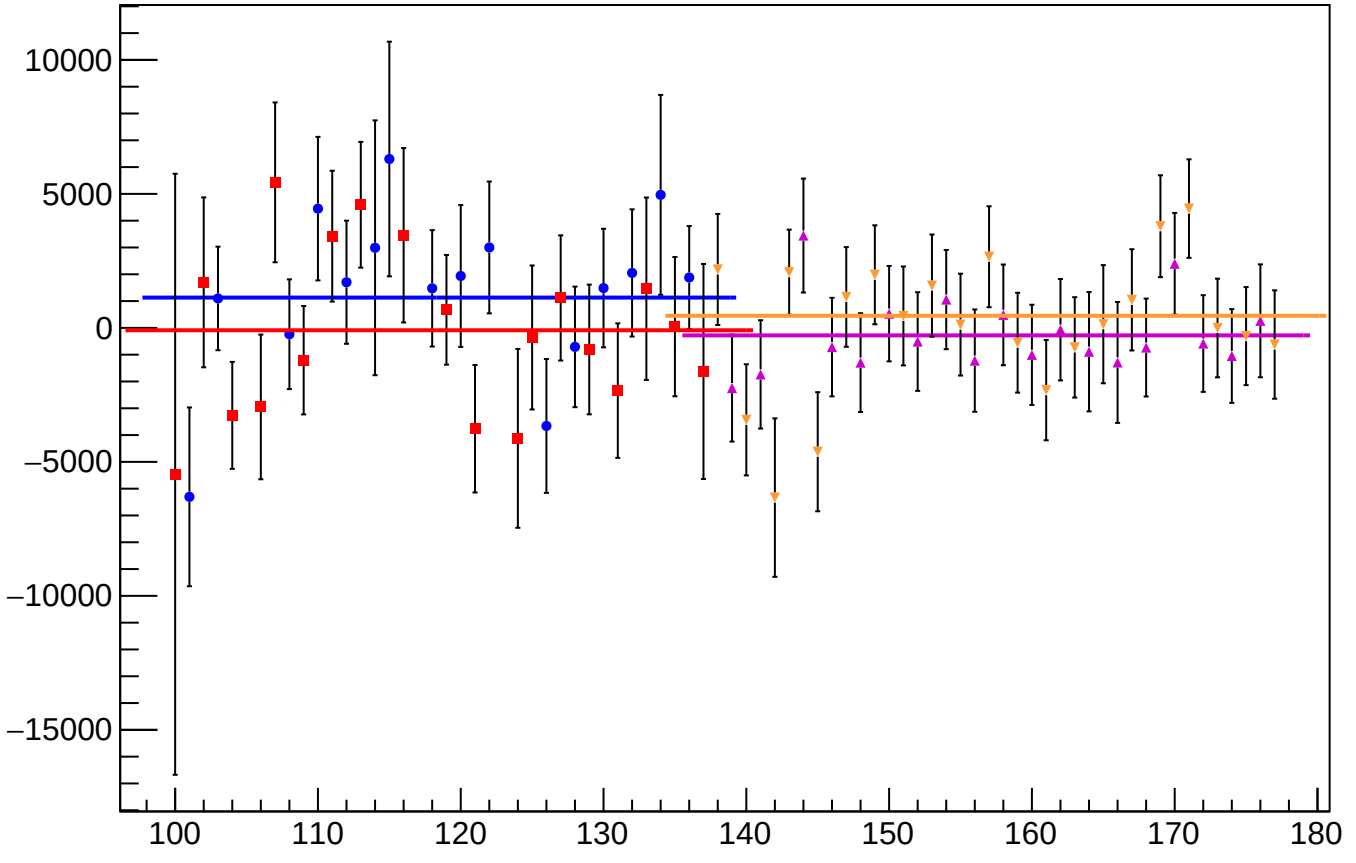
Left In: 920.586+/-0.167 χ^2/NDF:564661.6/18

+ sign 968.519+/-0.149 χ^2/NDF: 5264662.6/36

All: 977.031+/-0.106 χ^2/NDF: 8924758.0/74

- sign 985.910+/-0.152 χ^2/NDF: 3653431.1/37

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 451.527+/-420.881 χ^2/NDF:29.7/20

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

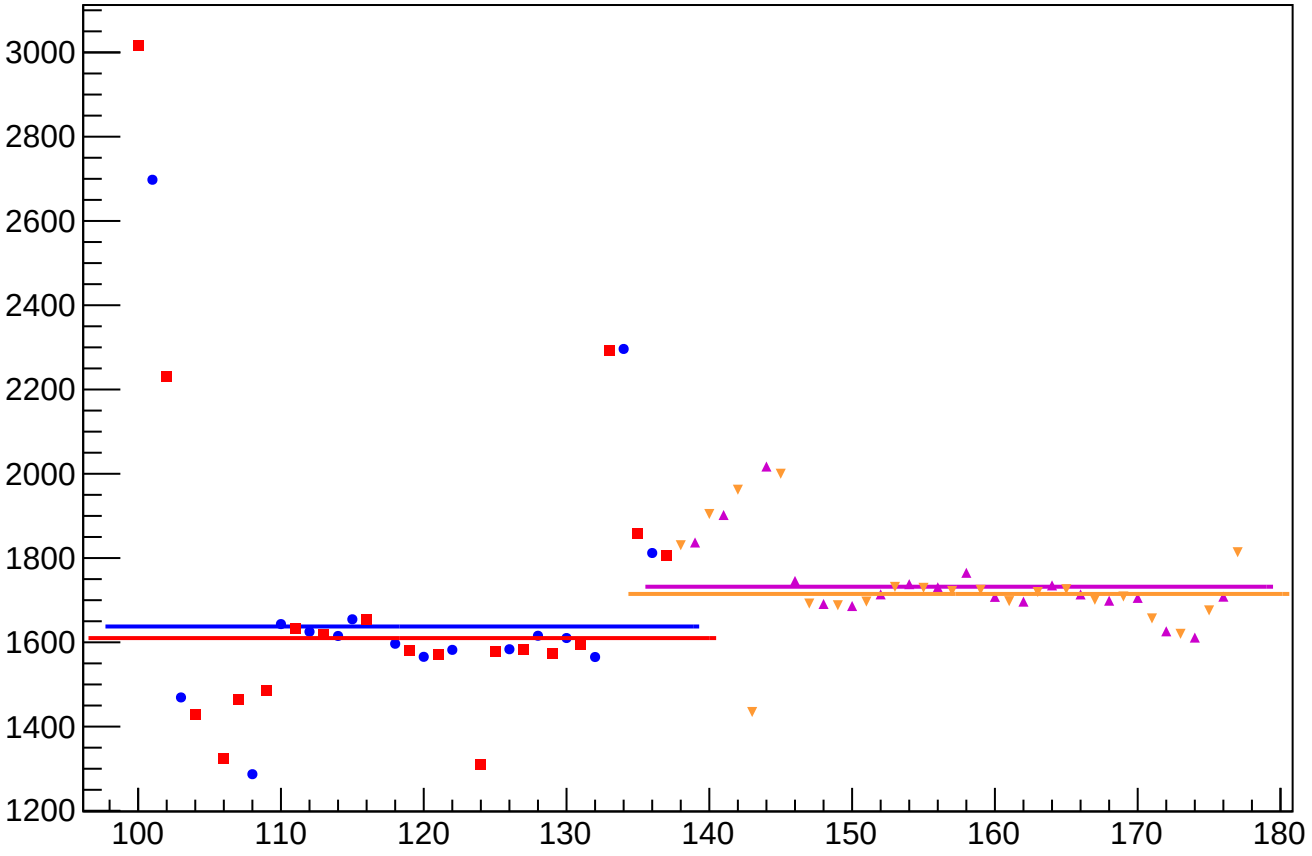
Left In: -280.020+/-439.928 χ^2/NDF:8.8/18

+ sign 667.097+/-347.733 χ^2/NDF: 45.5/36

All: 236.290+/-248.555 χ^2/NDF: 78.2/74

- sign -213.754+/-355.412 χ^2/NDF: 29.6/37

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1714.835+/-0.298 χ^2/NDF:146793.7/20

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

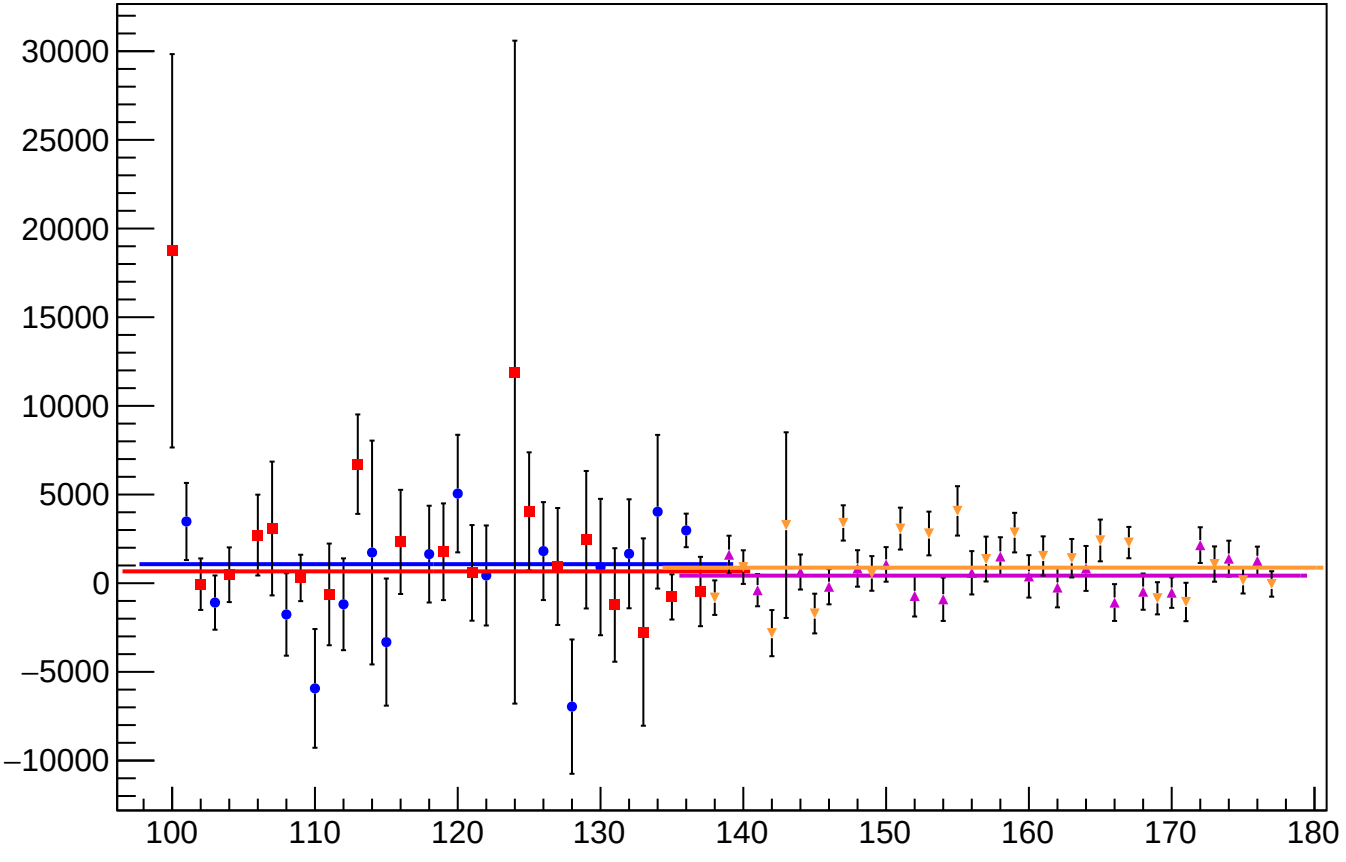
Left In: 1731.948+/-0.311 χ^2/NDF:77813.9/18

+ sign 1690.313+/-0.246 χ^2/NDF: 529601.3/36

All: 1689.968+/-0.176 χ^2/NDF: 941569.6/74

- sign 1689.608+/-0.251 χ^2/NDF: 411964.3/37

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 876.467+/-226.739 χ^2/NDF:51.9/20

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

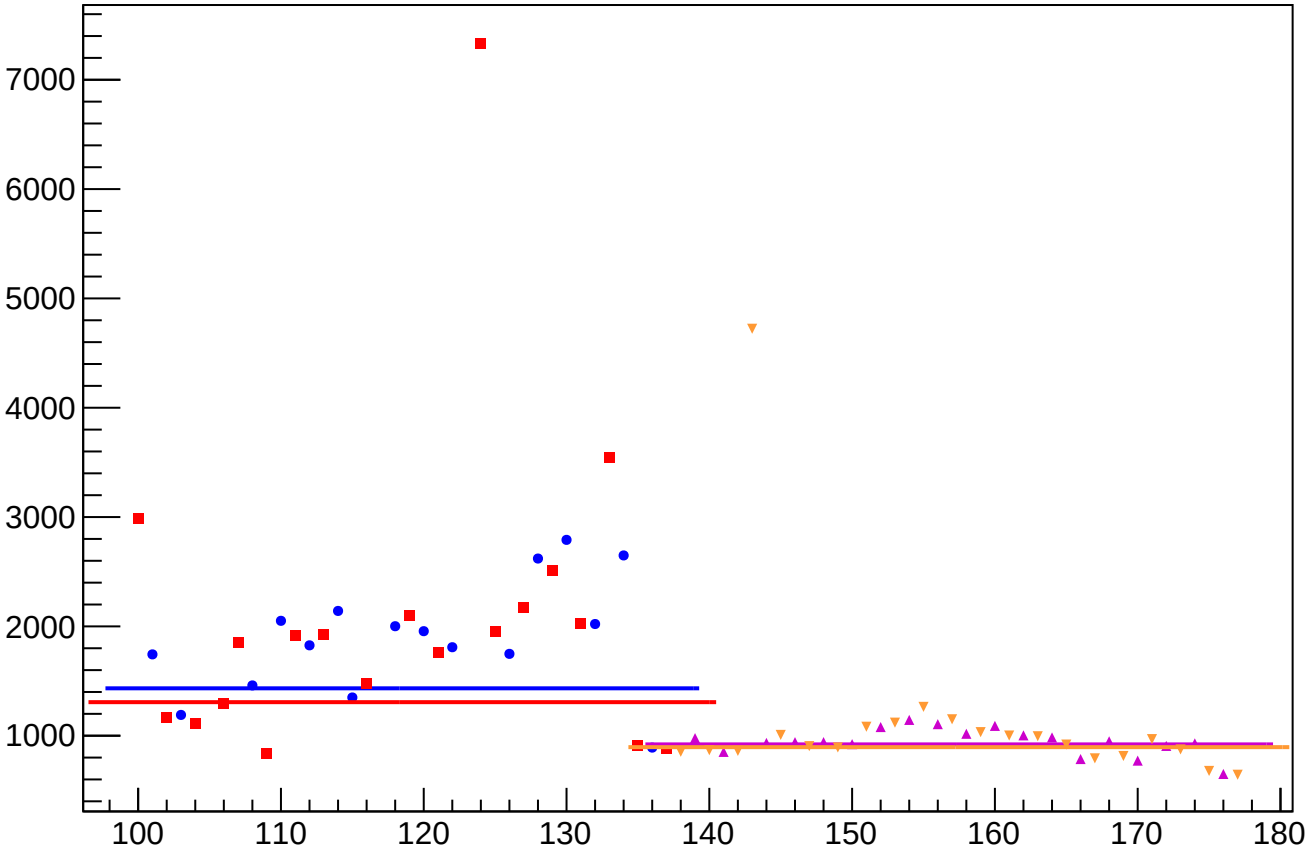
Left In: 426.649+/-236.162 χ^2/NDF:15.7/18

+ sign 903.266+/-210.763 χ^2/NDF: 74.0/36

All: 689.956+/-150.600 χ^2/NDF: 105.6/74

- sign 467.427+/-215.269 χ^2/NDF: 29.5/37

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 895.361+/-0.160 χ^2/NDF:1969642.0/20

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

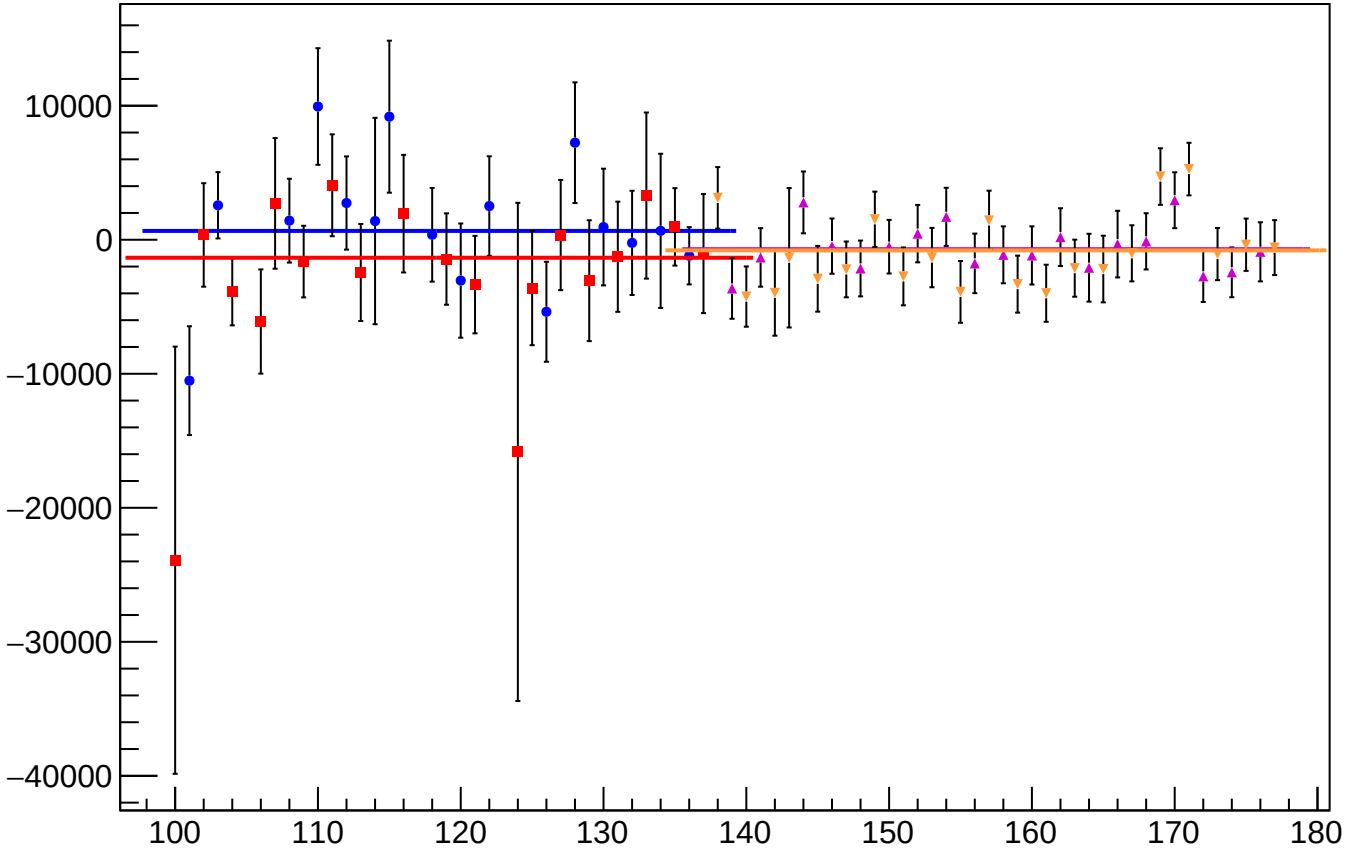
Left In: 920.586+/-0.167 χ^2/NDF:564664.3/18

+ sign 968.522+/-0.149 χ^2/NDF: 5264619.2/36

All: 977.032+/-0.106 χ^2/NDF: 8924699.4/74

- sign 985.911+/-0.152 χ^2/NDF: 3653416.8/37

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -791.122+/-484.223 χ^2/NDF:33.2/20

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

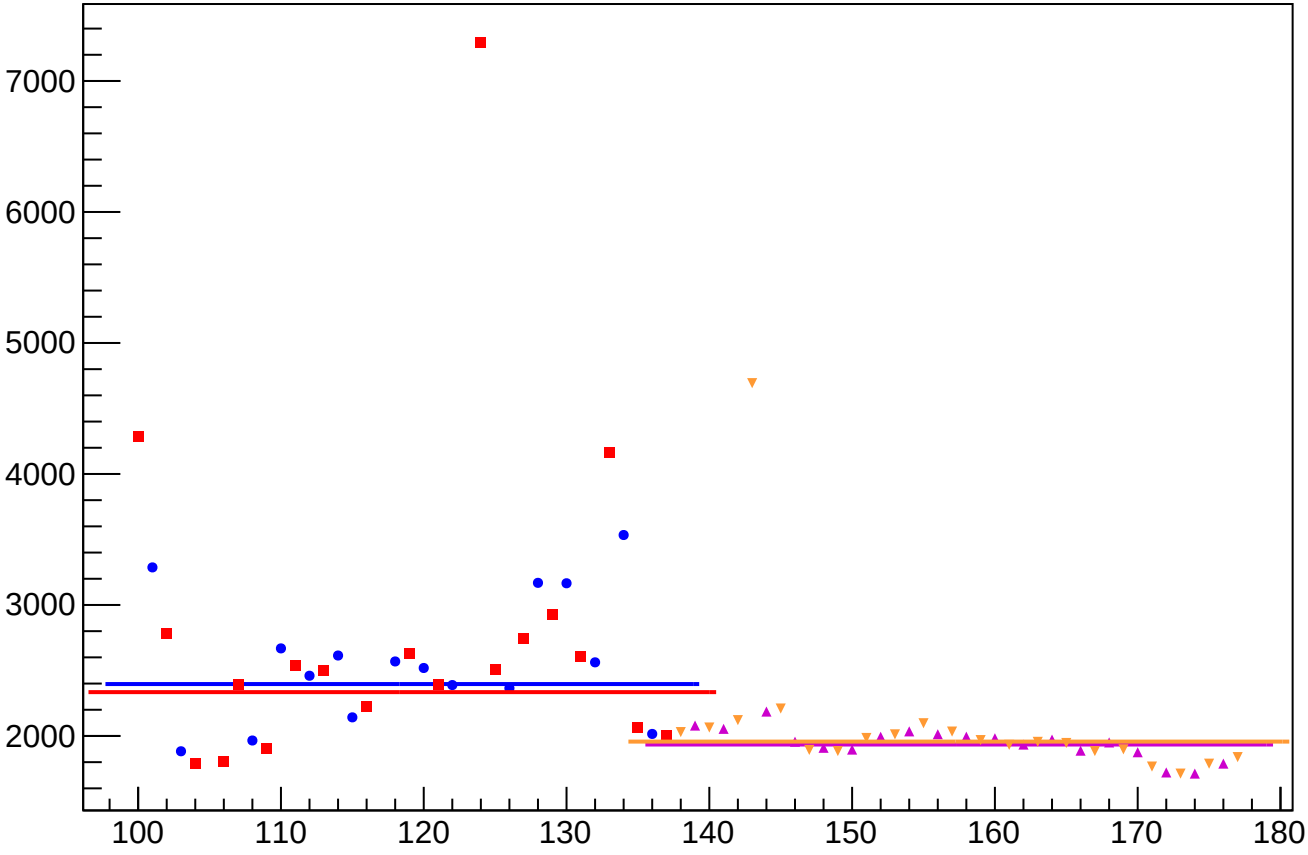
Left In: -703.750+/-491.745 χ^2/NDF:12.0/18

+ sign -470.794+/-427.428 χ^2/NDF: 57.2/36

All: -660.476+/-303.311 χ^2/NDF: 80.9/74

- sign -852.877+/-430.481 χ^2/NDF: 23.3/37

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1956.978+/-0.342 χ^2/NDF:678601.0/20

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

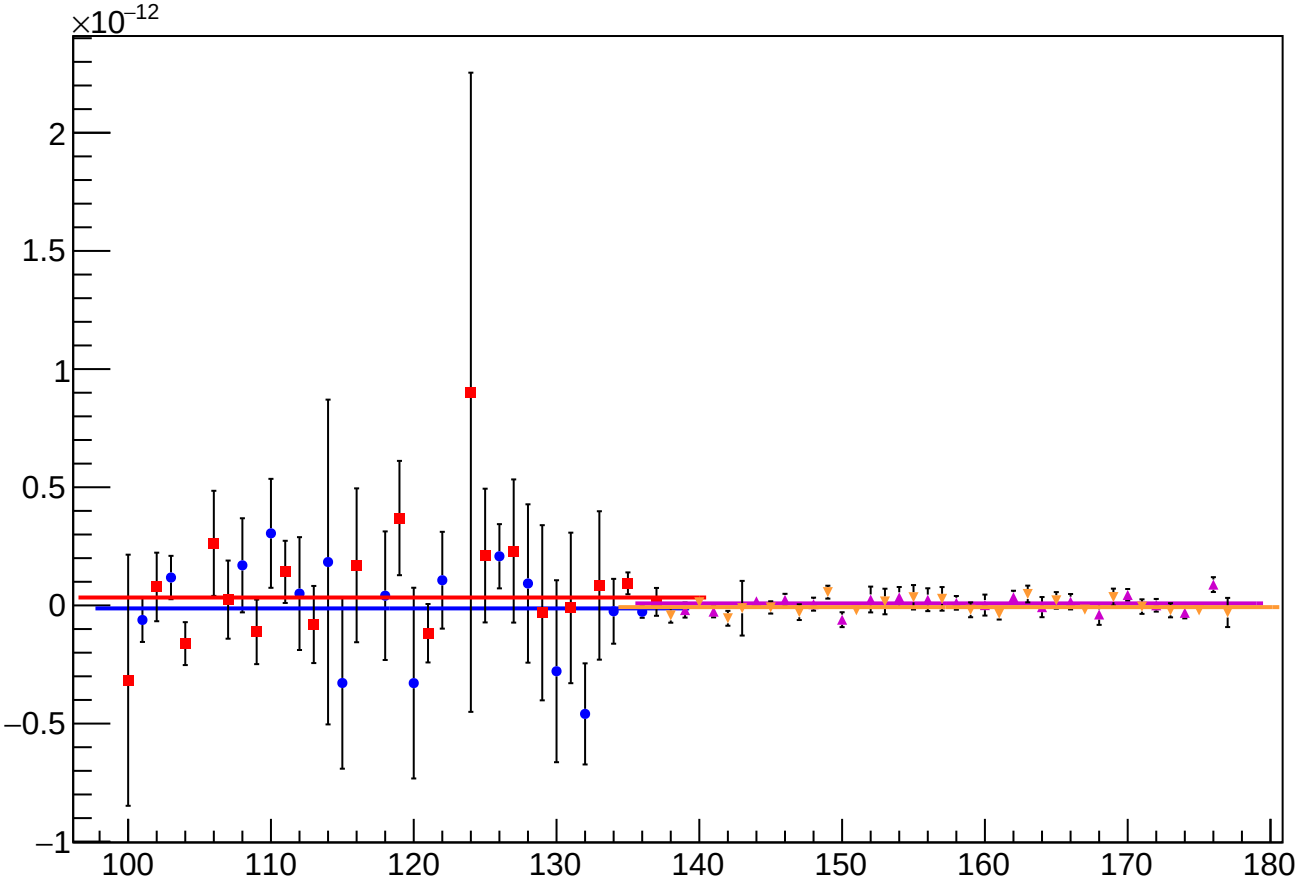
Left In: 1934.685+/-0.348 χ^2/NDF:115092.8/18

+ sign 2053.987+/-0.302 χ^2/NDF: 1550003.2/36

All: 2041.148+/-0.214 χ^2/NDF: 2659356.9/74

- sign 2028.125+/-0.304 χ^2/NDF: 1105718.7/37

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:19.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

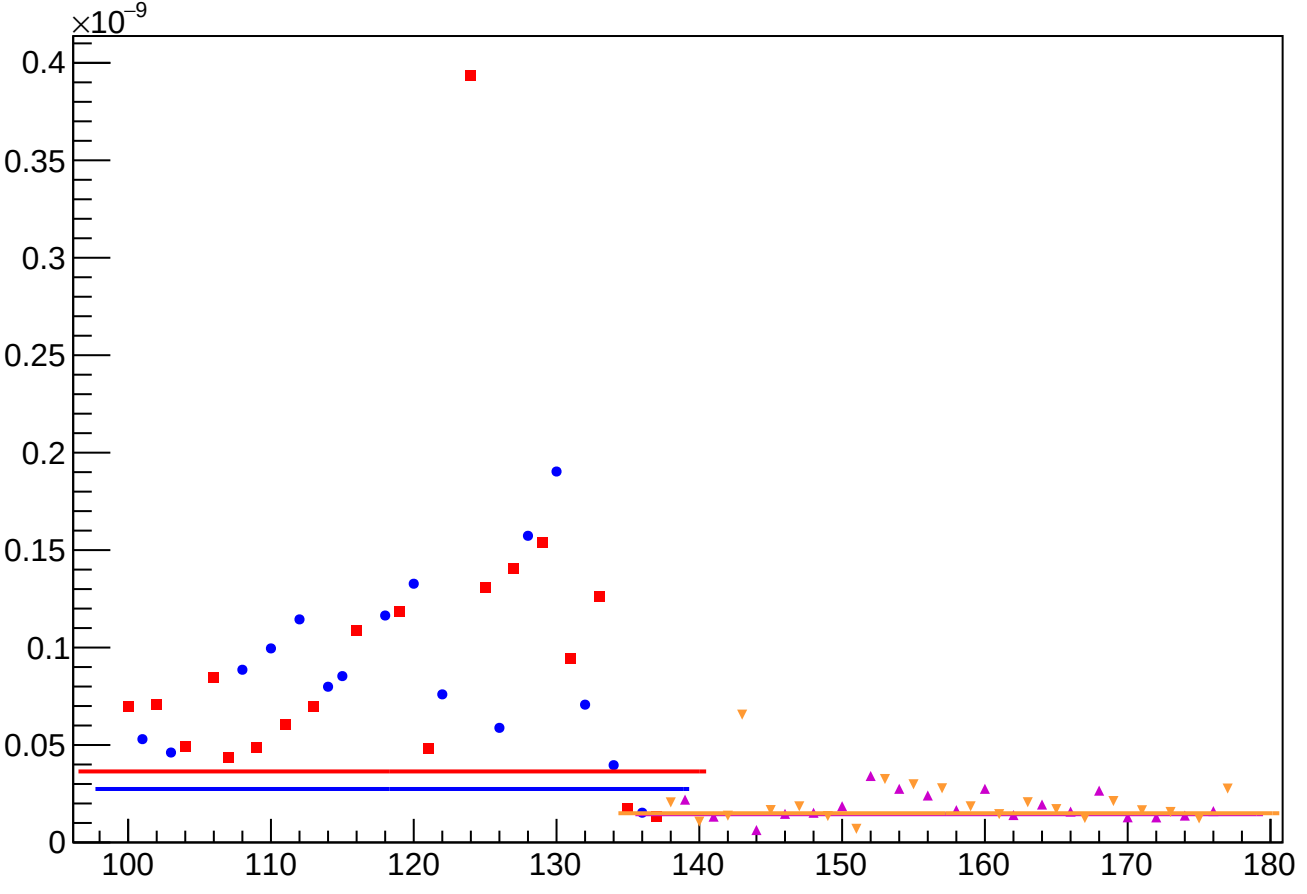
Left In: 0.000+/-0.000 χ^2/NDF:22.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 34.2/36

All: 0.000+/-0.000 χ^2/NDF: 76.6/74

- sign 0.000+/-0.000 χ^2/NDF: 38.5/37

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1768138.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

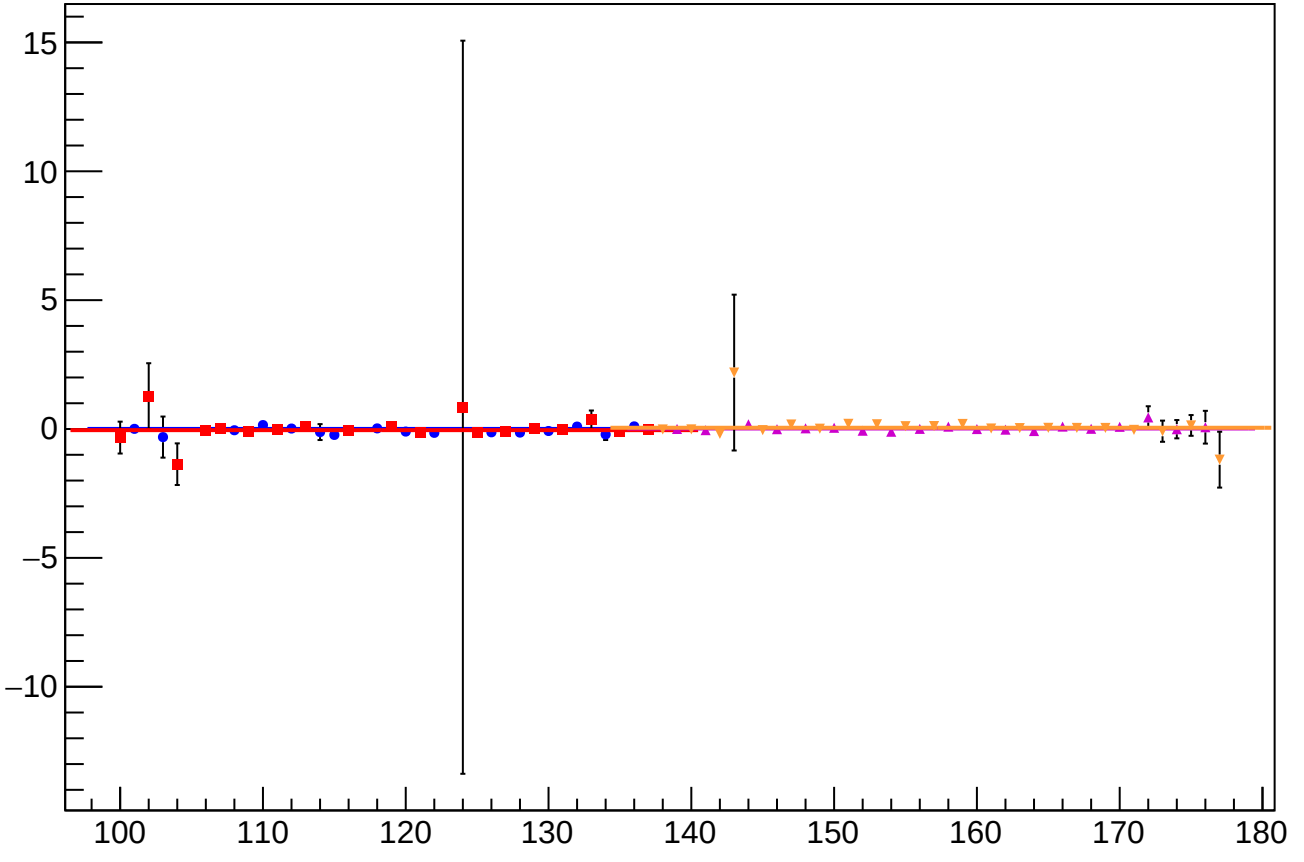
Left In: 0.000+/-0.000 χ^2/NDF:1744114.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 5078148.3/36

All: 0.000+/-0.000 χ^2/NDF: 10435411.0/74

- sign 0.000+/-0.000 χ^2/NDF: 5354488.5/37

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:21.2/20

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

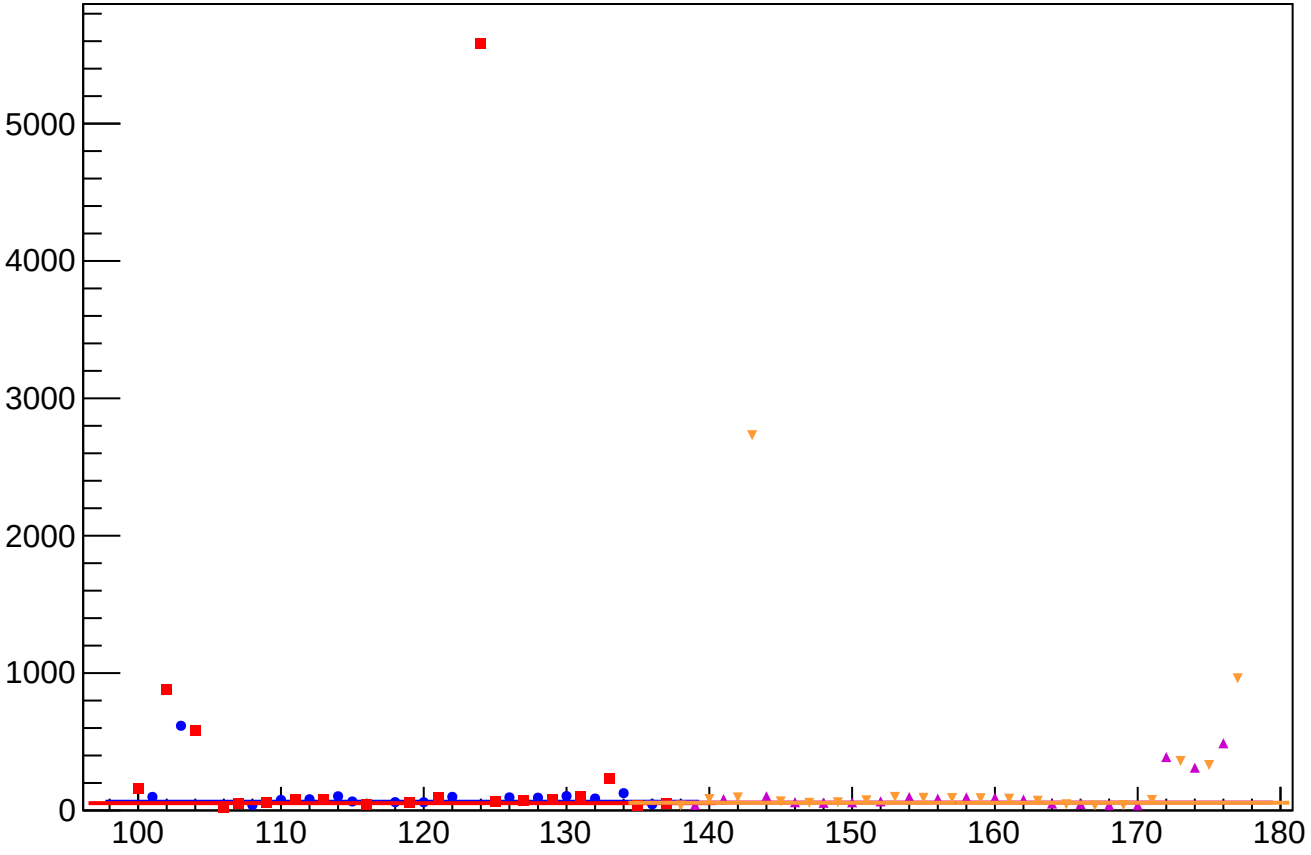
Left In: 0.020+/-0.017 χ^2/NDF:12.8/18

+ sign 0.036+/-0.014 χ^2/NDF: 36.5/36

All: 0.017+/-0.010 χ^2/NDF: 69.6/74

- sign -0.001+/-0.014 χ^2/NDF: 29.9/37

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.091+/-0.012 χ^2/NDF:7977232.0/20

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

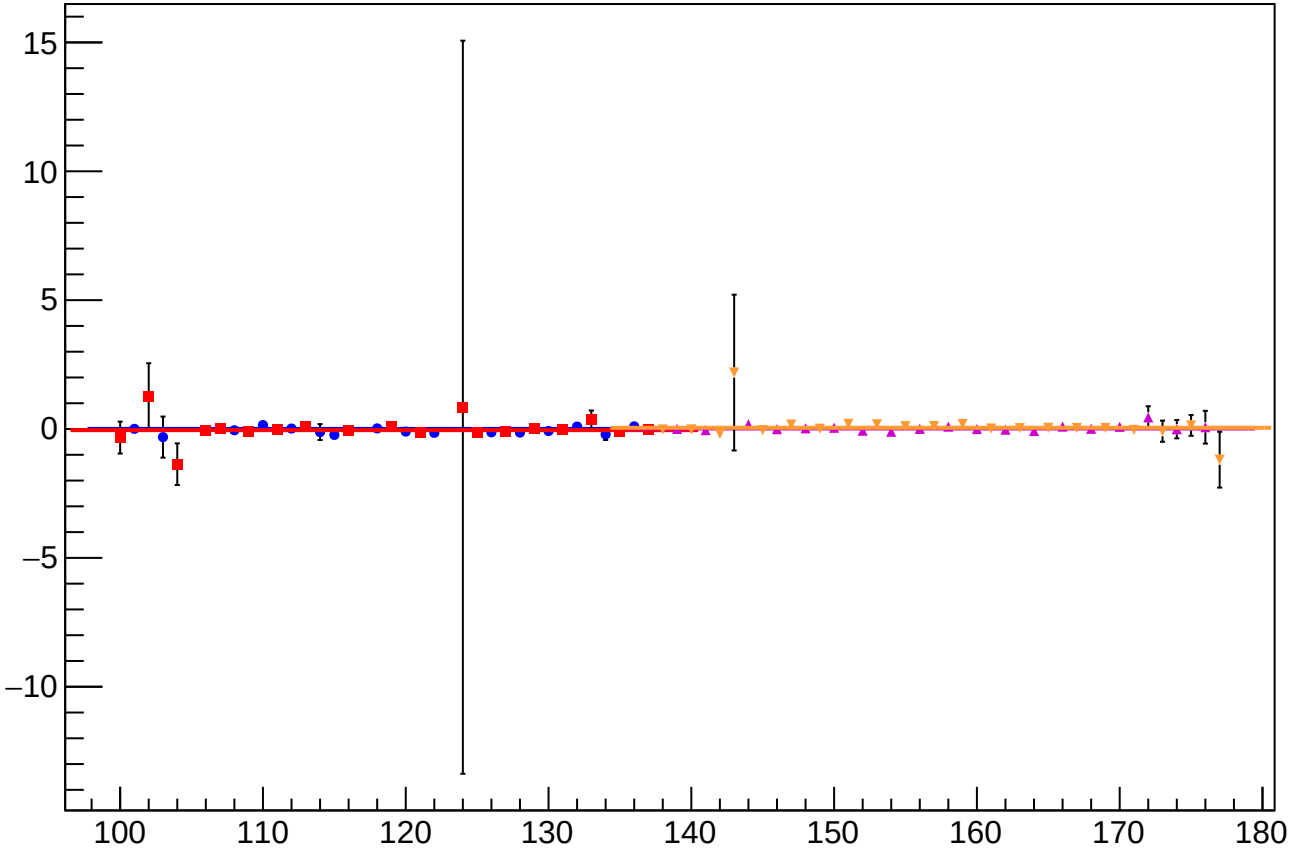
Left In: 57.409+/-0.012 χ^2/NDF:5788261.5/18

+ sign 58.166+/-0.010 χ^2/NDF: 10527633.5/36

All: 57.085+/-0.007 χ^2/NDF: 20322368.1/74

- sign 56.053+/-0.010 χ^2/NDF: 9772825.1/37

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:21.2/20

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

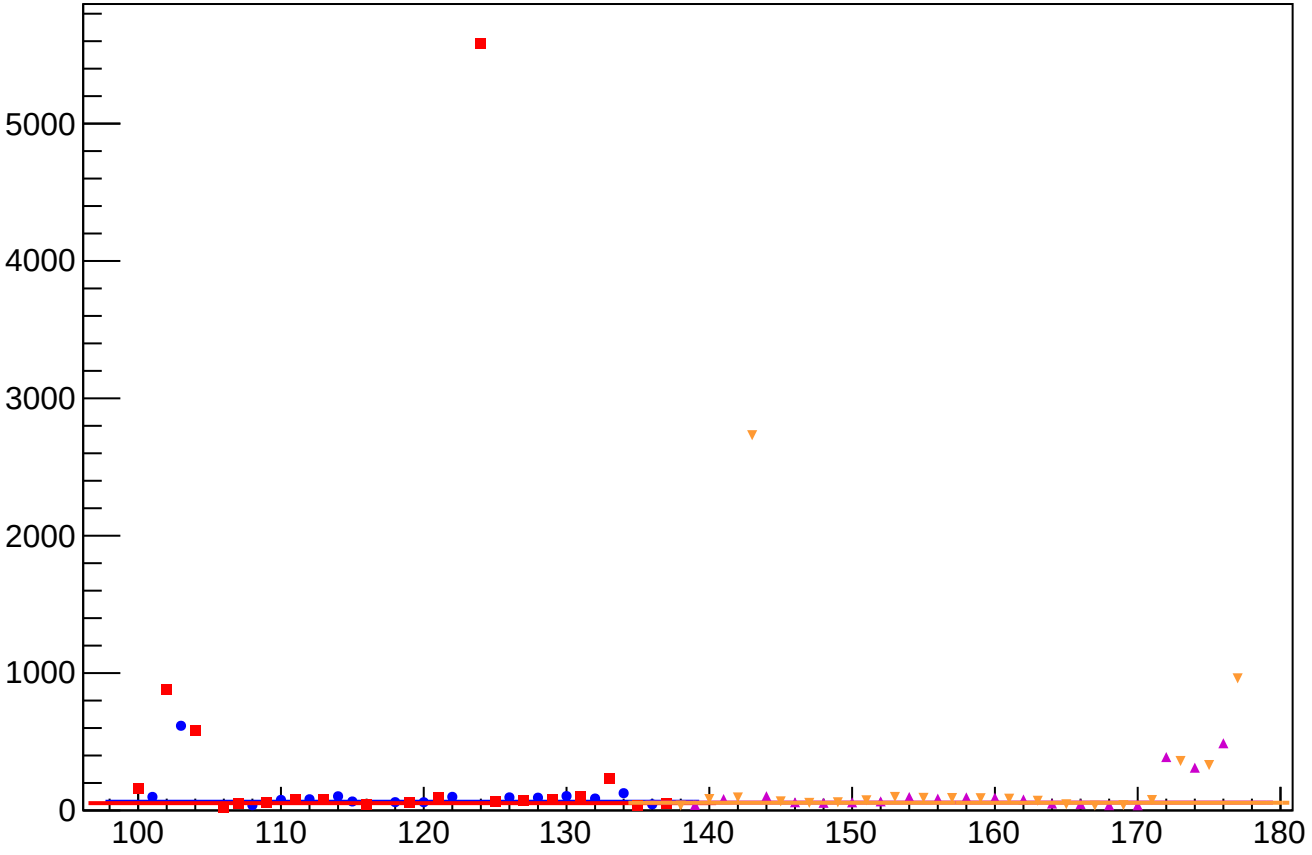
Left In: 0.020+/-0.017 χ^2/NDF:12.8/18

+ sign 0.036+/-0.014 χ^2/NDF: 36.5/36

All: 0.017+/-0.010 χ^2/NDF: 69.6/74

- sign -0.001+/-0.014 χ^2/NDF: 29.9/37

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: 56.091+/-0.012 χ^2/NDF:7977232.0/20

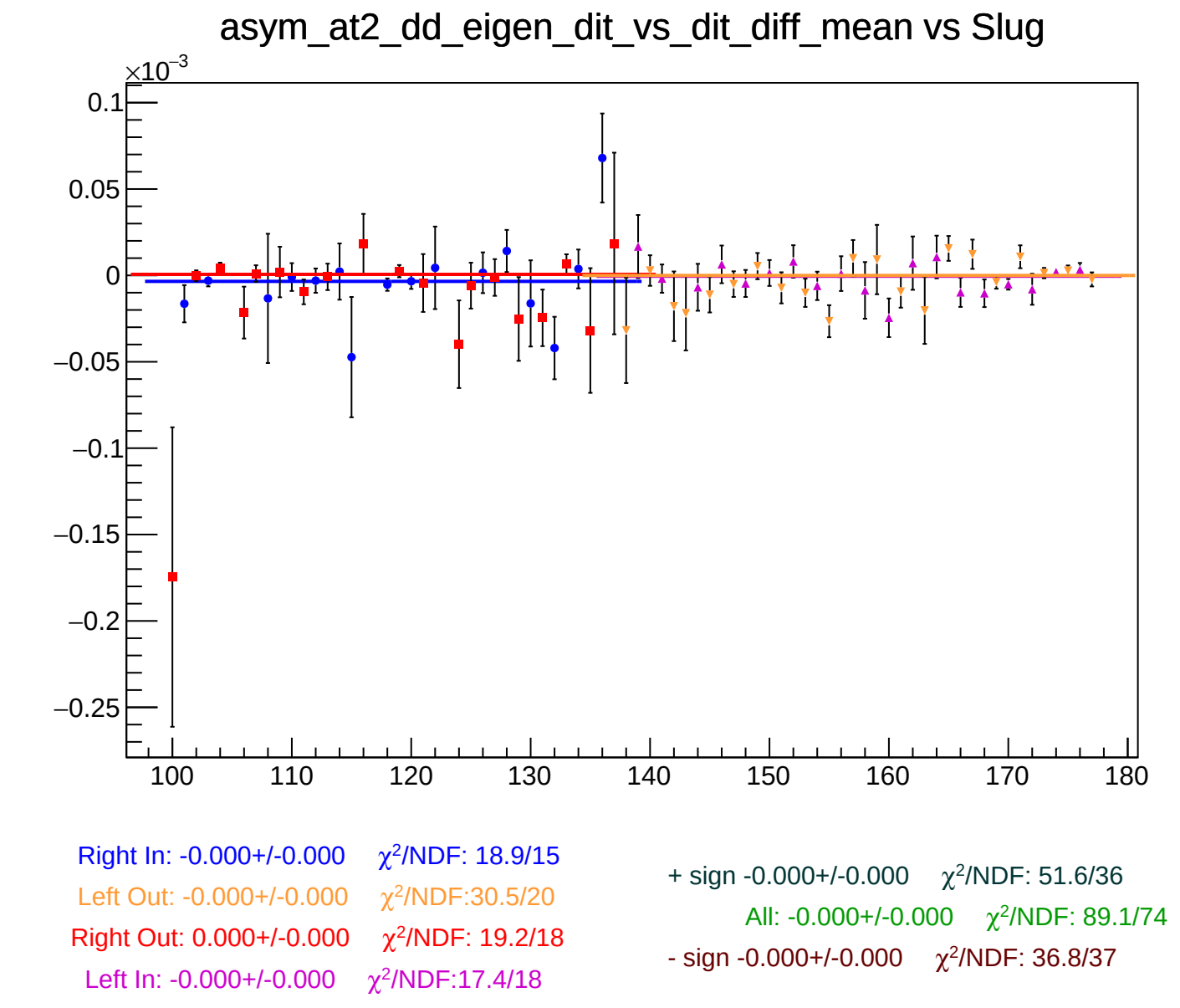
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

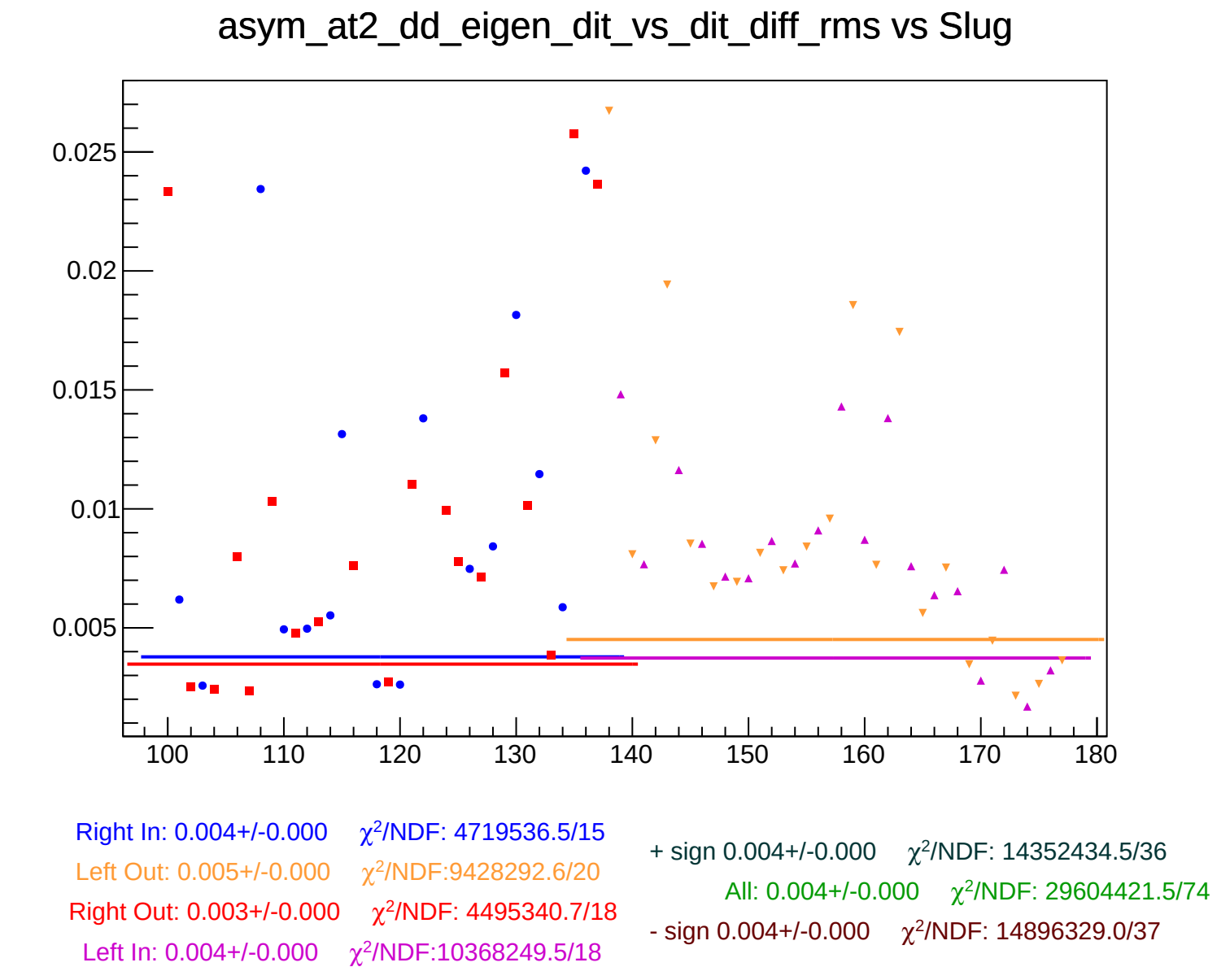
Left In: 57.409+/-0.012 χ^2/NDF:5788261.5/18

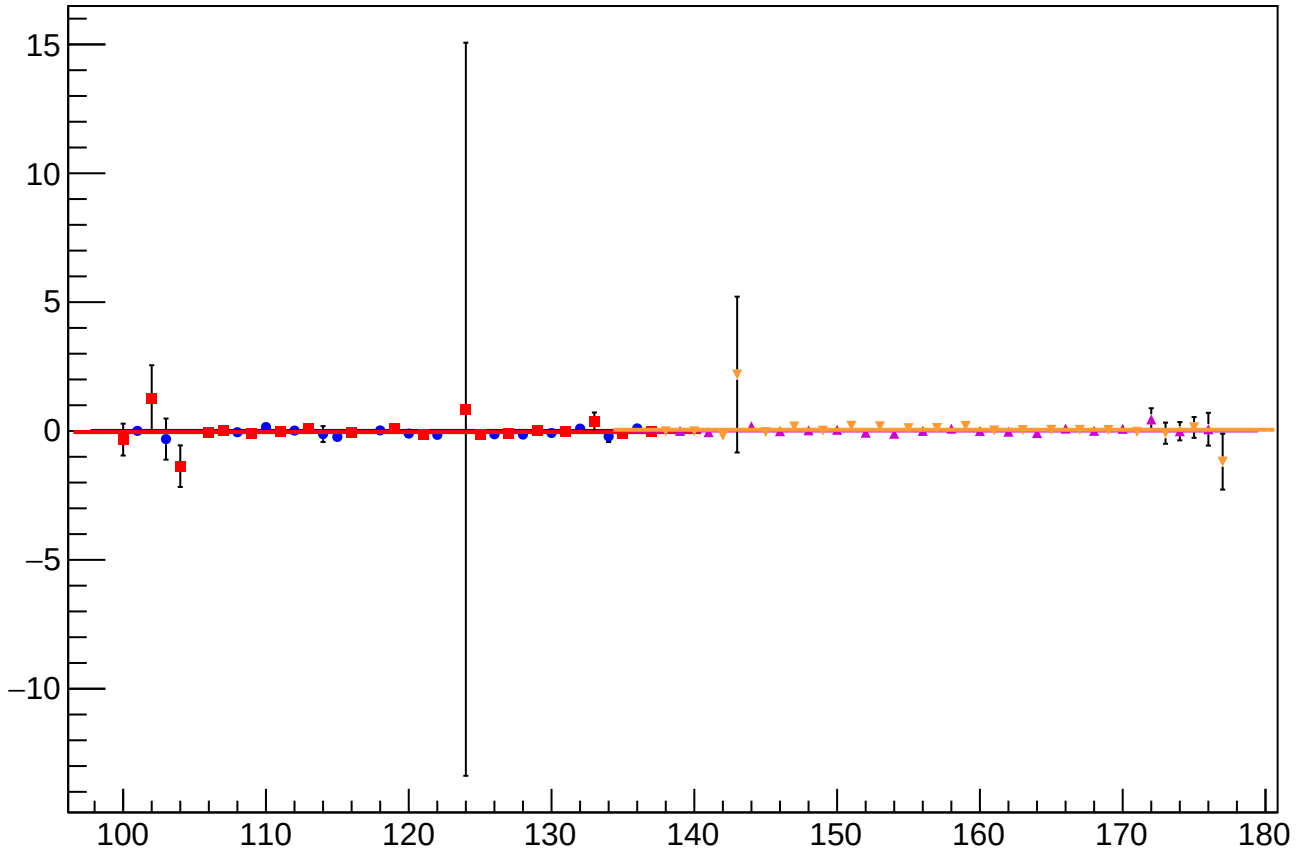
+ sign 58.166+/-0.010 χ^2/NDF: 10527633.5/36

All: 57.085+/-0.007 χ^2/NDF: 20322368.1/74

- sign 56.053+/-0.010 χ^2/NDF: 9772825.1/37


asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 18.9/15
Left Out: -0.000+/-0.000 χ²/NDF:30.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 19.2/18
Left In: -0.000+/-0.000 χ²/NDF:17.4/18
+ sign -0.000+/-0.000 χ²/NDF: 51.6/36
All: -0.000+/-0.000 χ²/NDF: 89.1/74
- sign -0.000+/-0.000 χ²/NDF: 36.8/37


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:9428292.6/20
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.004+/-0.000 χ²/NDF:10368249.5/18
+ sign 0.004+/-0.000 χ²/NDF: 14352434.5/36
All: 0.004+/-0.000 χ²/NDF: 29604421.5/74
- sign 0.004+/-0.000 χ²/NDF: 14896329.0/37



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.2/20

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

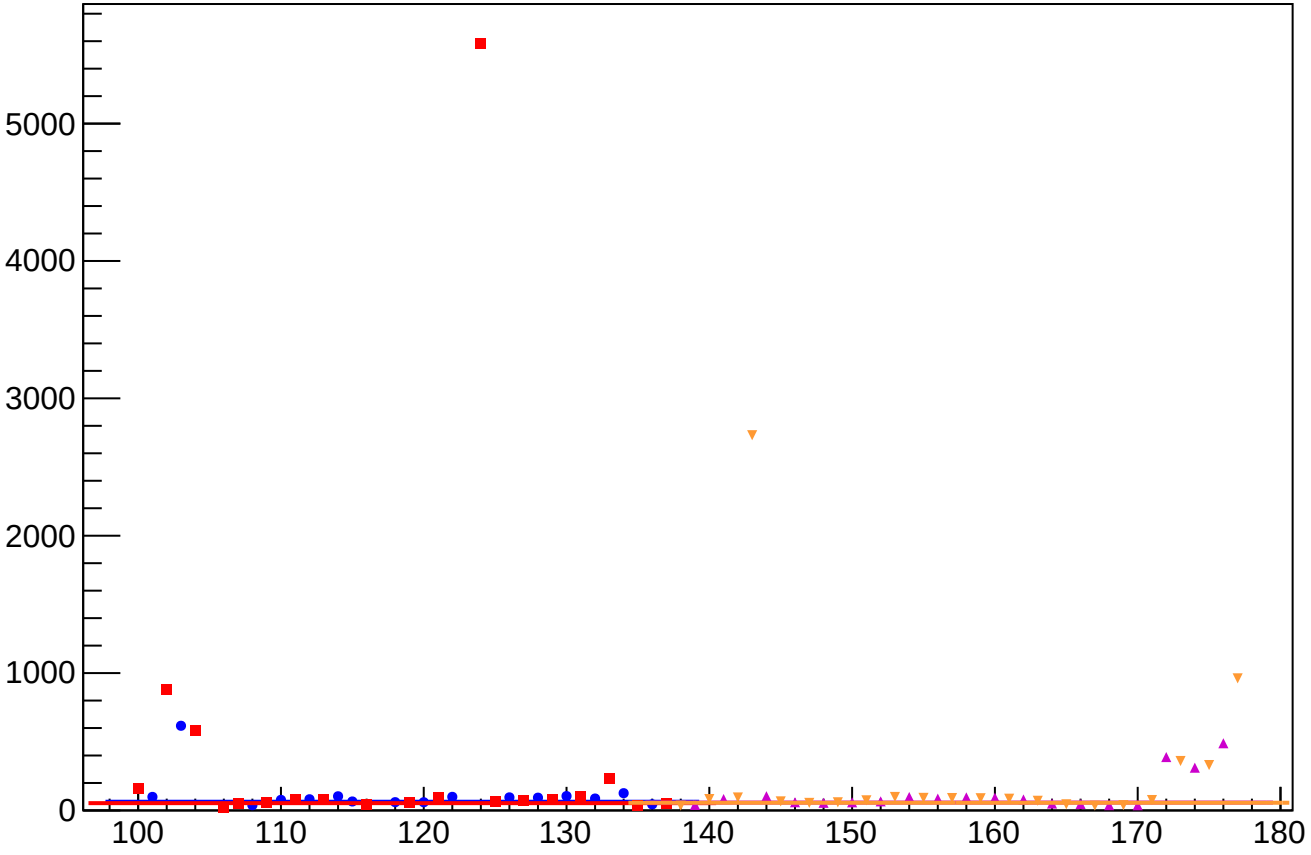
Left In: 0.020+/-0.017 χ^2/NDF:12.8/18

+ sign 0.036+/-0.014 χ^2/NDF: 36.5/36

All: 0.017+/-0.010 χ^2/NDF: 69.7/74

- sign -0.001+/-0.014 χ^2/NDF: 29.9/37

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: 56.090+/-0.012 χ^2/NDF:7976960.9/20

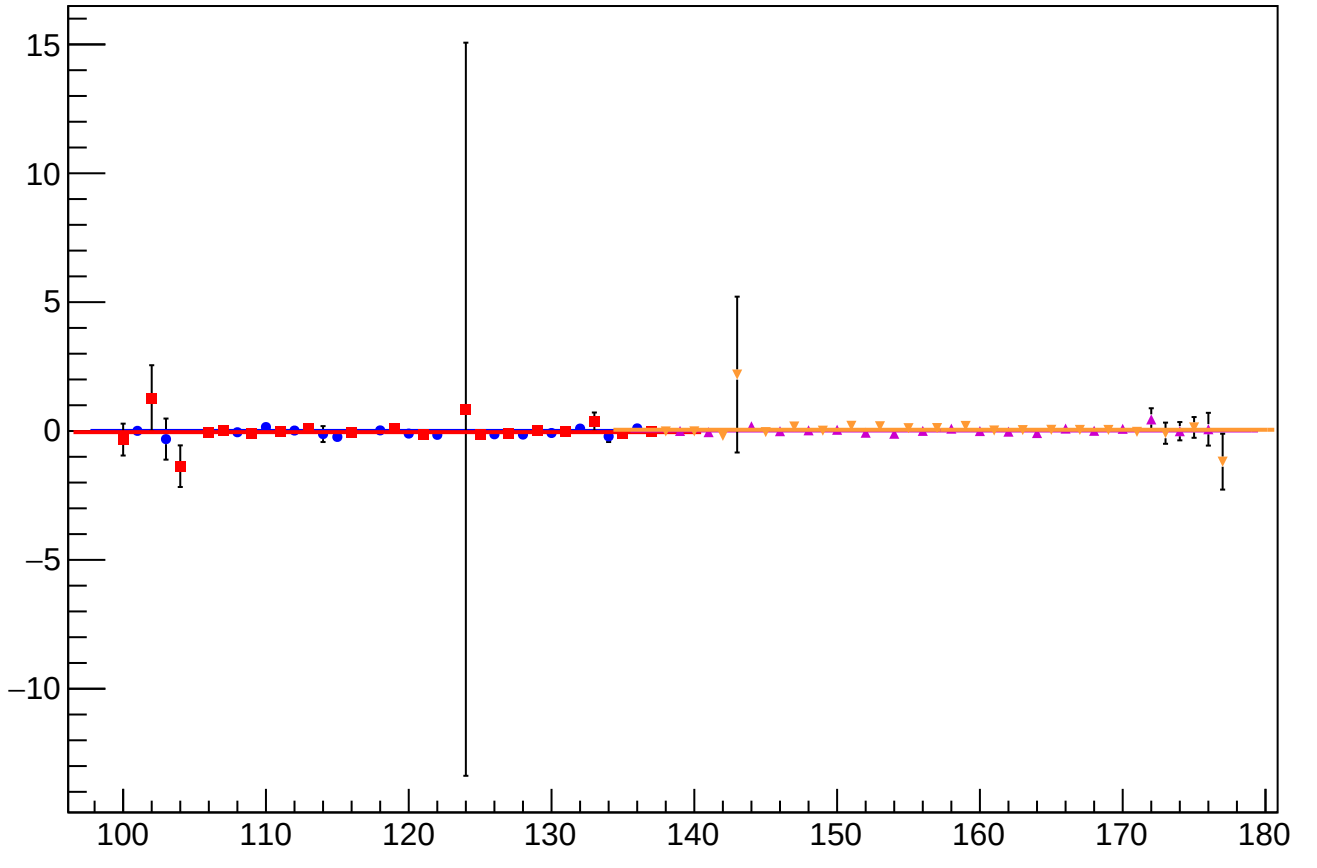
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.412+/-0.012 χ^2/NDF:5787791.3/18

+ sign 58.168+/-0.010 χ^2/NDF: 10526737.5/36

All: 57.085+/-0.007 χ^2/NDF: 20321723.5/74

- sign 56.052+/-0.010 χ^2/NDF: 9773043.7/37



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.2/20

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

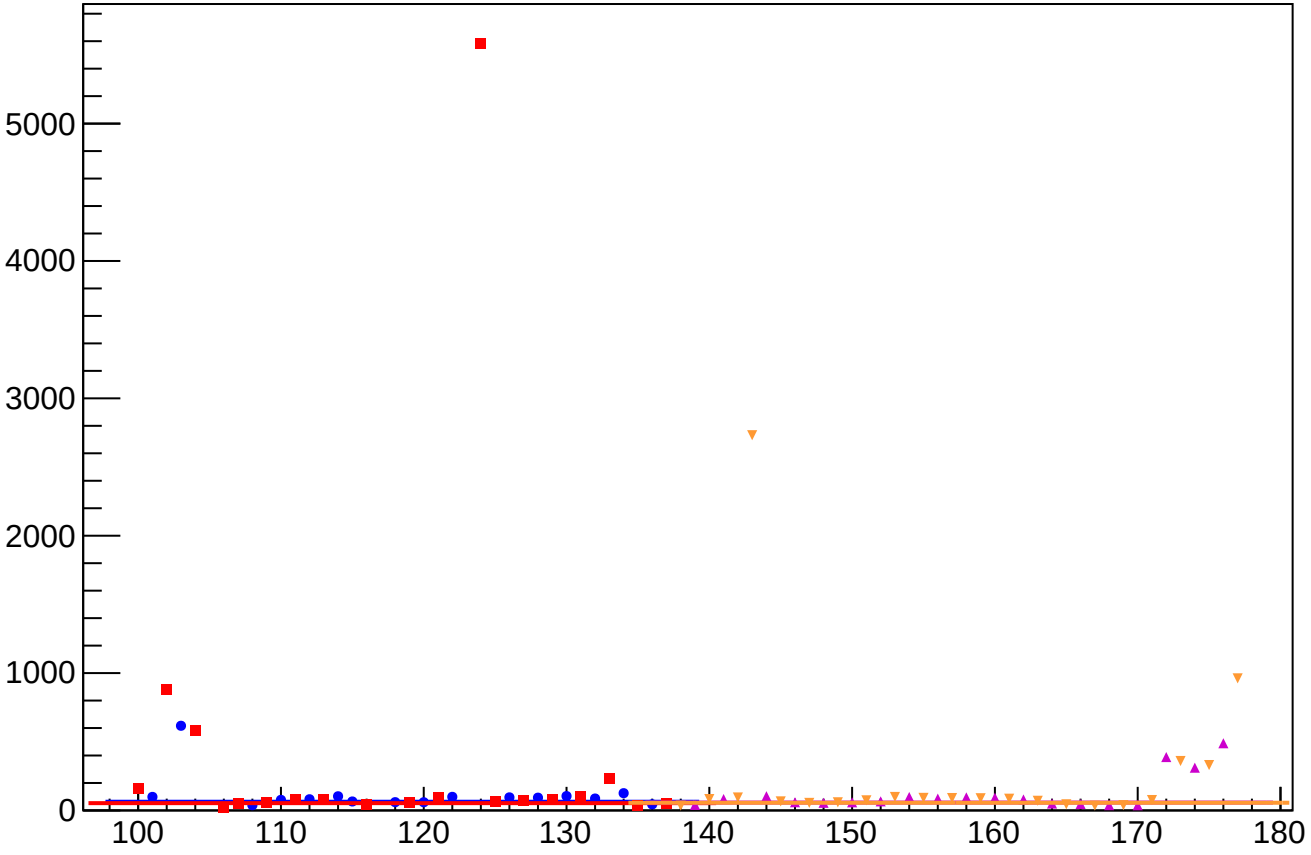
Left In: 0.020+/-0.017 χ^2/NDF:12.8/18

+ sign 0.036+/-0.014 χ^2/NDF: 36.5/36

All: 0.017+/-0.010 χ^2/NDF: 69.7/74

- sign -0.001+/-0.014 χ^2/NDF: 29.9/37

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 56.090+/-0.012 χ^2/NDF:7976960.9/20

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

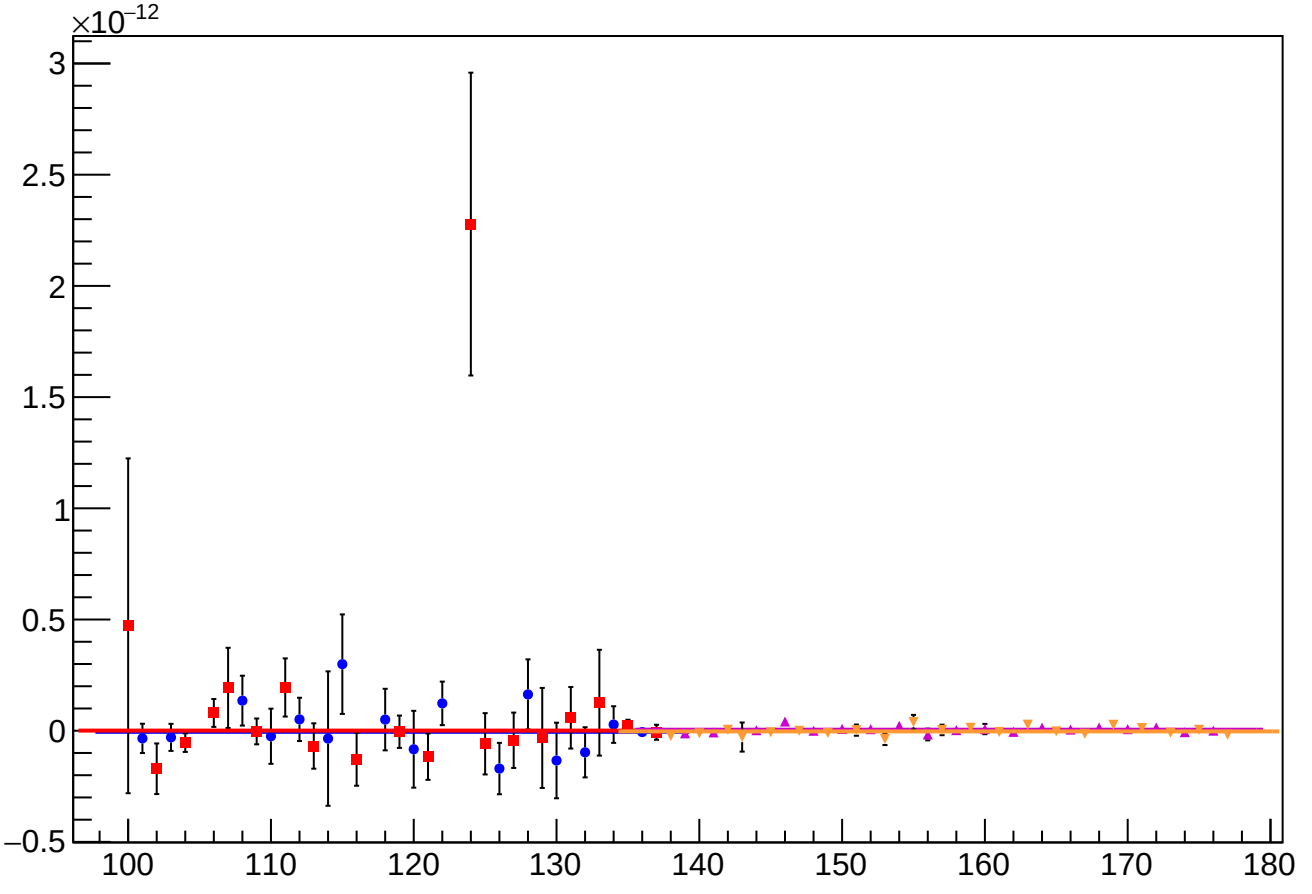
Left In: 57.412+/-0.012 χ^2/NDF:5787791.3/18

+ sign 58.168+/-0.010 χ^2/NDF: 10526737.5/36

All: 57.085+/-0.007 χ^2/NDF: 20321723.5/74

- sign 56.052+/-0.010 χ^2/NDF: 9773043.7/37

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:14.3/20

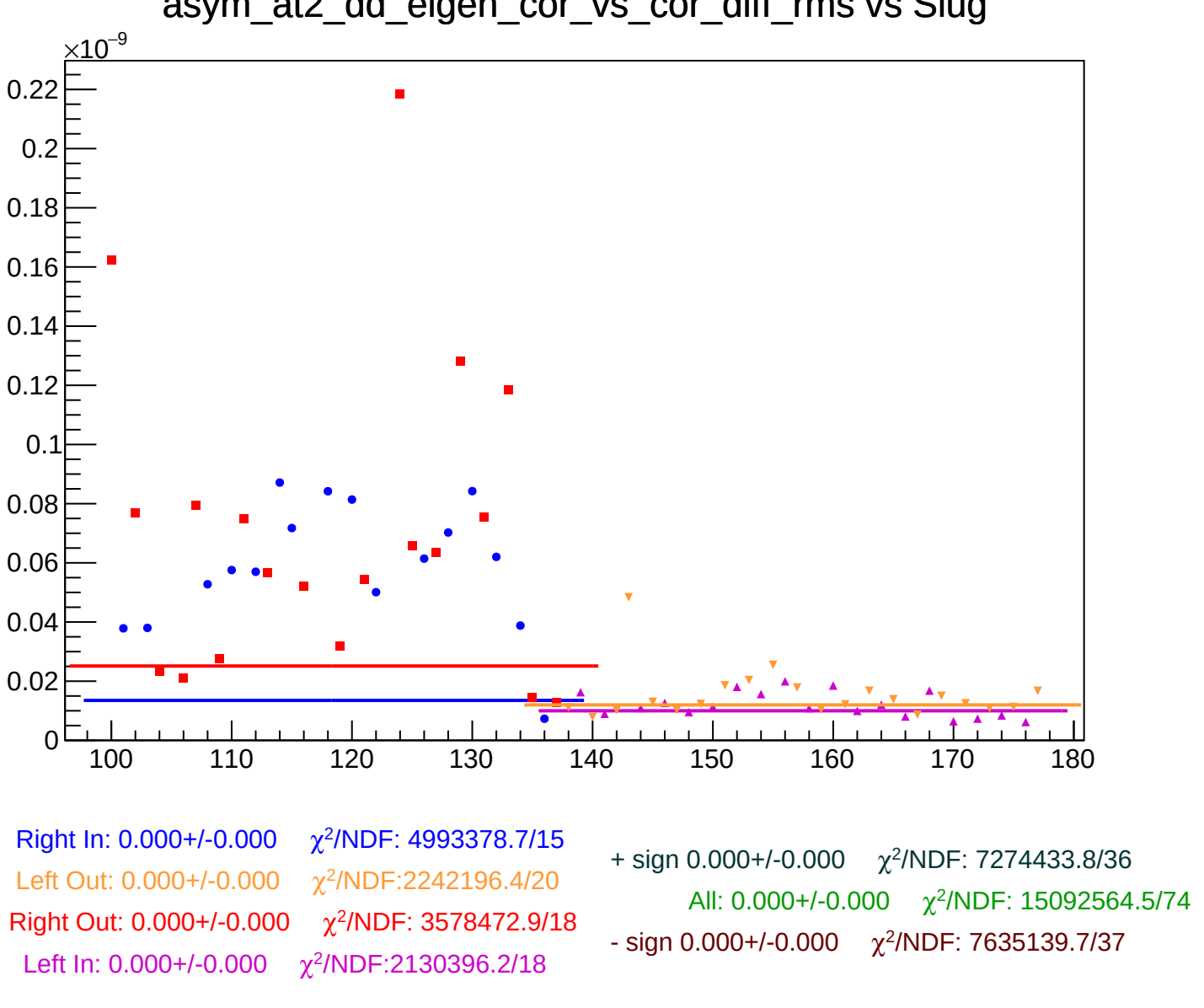
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/18

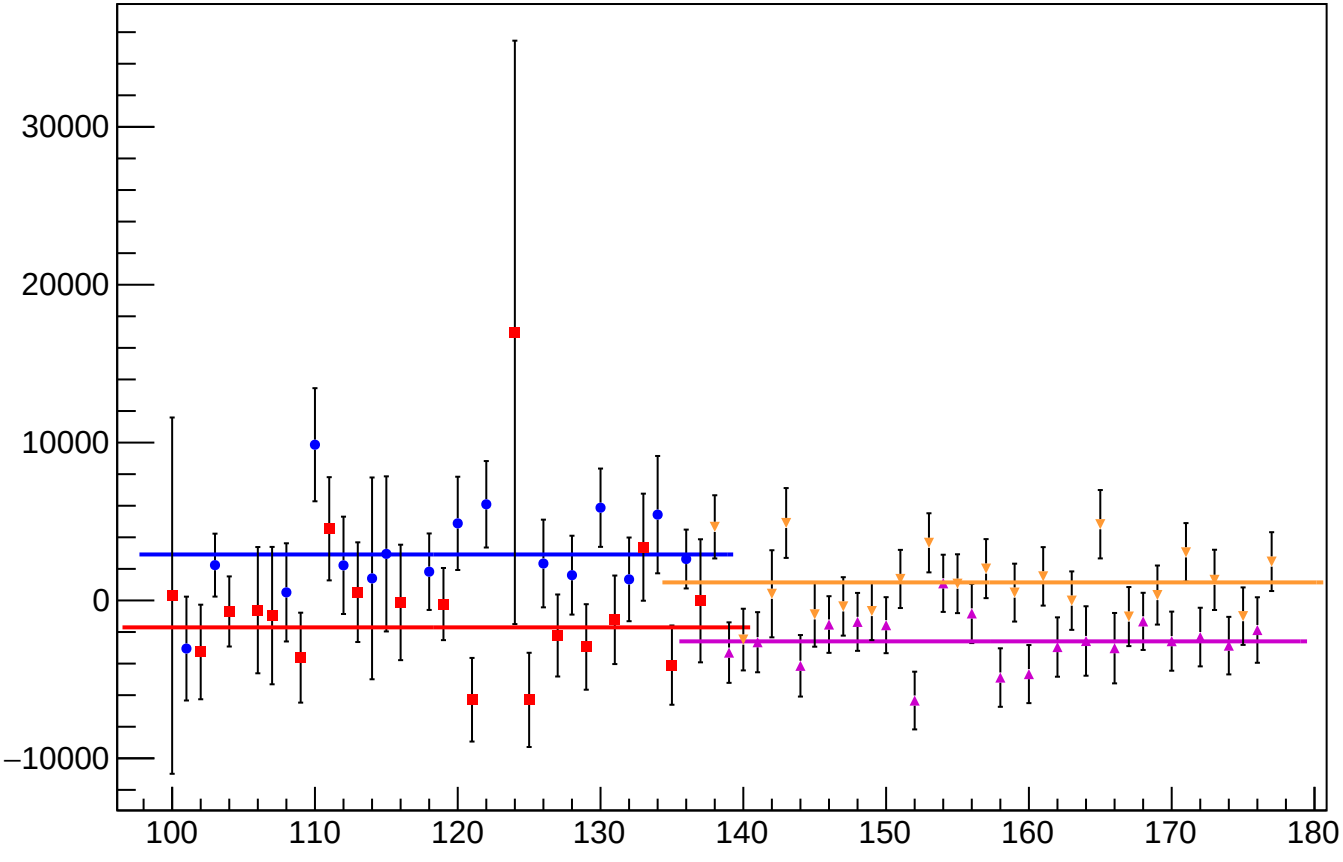
+ sign -0.000+/-0.000 χ^2/NDF: 25.2/36

All: 0.000+/-0.000 χ^2/NDF: 64.0/74

- sign 0.000+/-0.000 χ^2/NDF: 36.2/37


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2242196.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:2130396.2/18
+ sign 0.000+/-0.000 χ²/NDF: 7274433.8/36
All: 0.000+/-0.000 χ²/NDF: 15092564.5/74
- sign 0.000+/-0.000 χ²/NDF: 7635139.7/37

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1143.147+/-420.841 χ^2/NDF:22.1/20

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

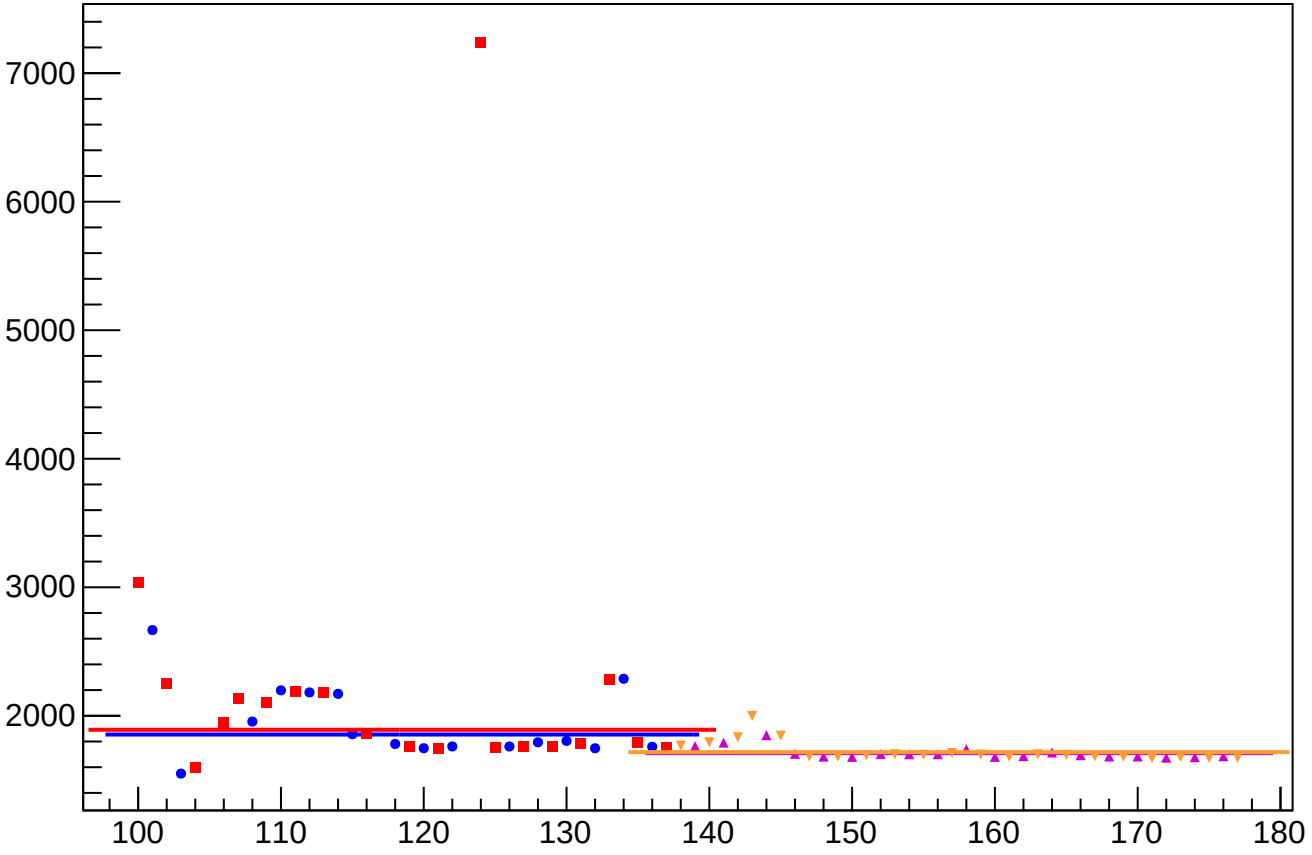
Left In: -2591.848+/-433.762 χ^2/NDF:14.7/18

+ sign 1617.918+/-359.996 χ^2/NDF: 39.2/36

All: -312.894+/-257.919 χ^2/NDF: 130.0/74

- sign -2349.216+/-369.702 χ^2/NDF: 31.6/37

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1717.371+/-0.298 χ^2/NDF:57247.0/20

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

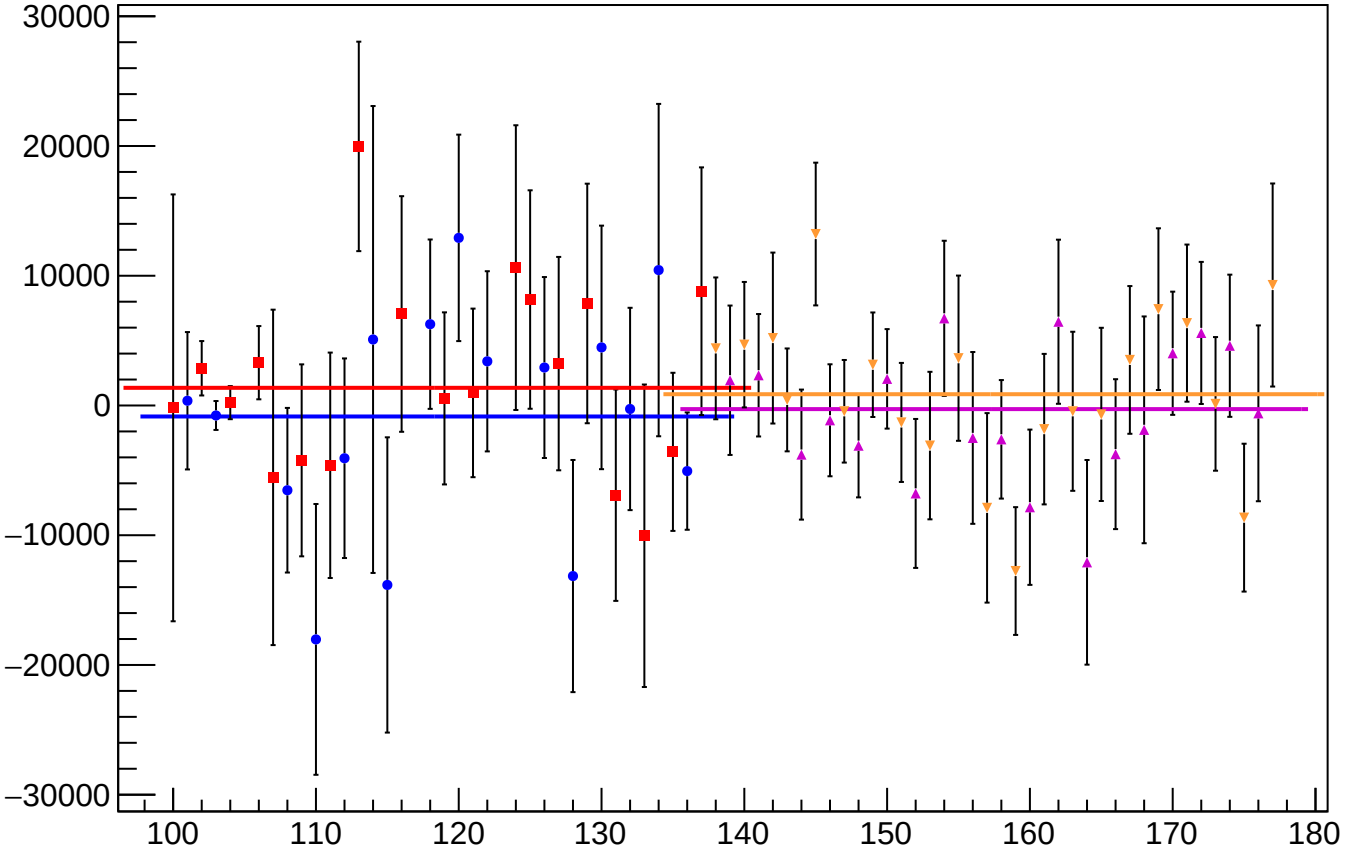
Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

+ sign 1754.106+/-0.255 χ^2/NDF: 377379.2/36

All: 1756.693+/-0.182 χ^2/NDF: 858812.9/74

- sign 1759.417+/-0.261 χ^2/NDF: 481221.7/37

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 868.672+/-1168.713 χ^2/NDF:23.4/20

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

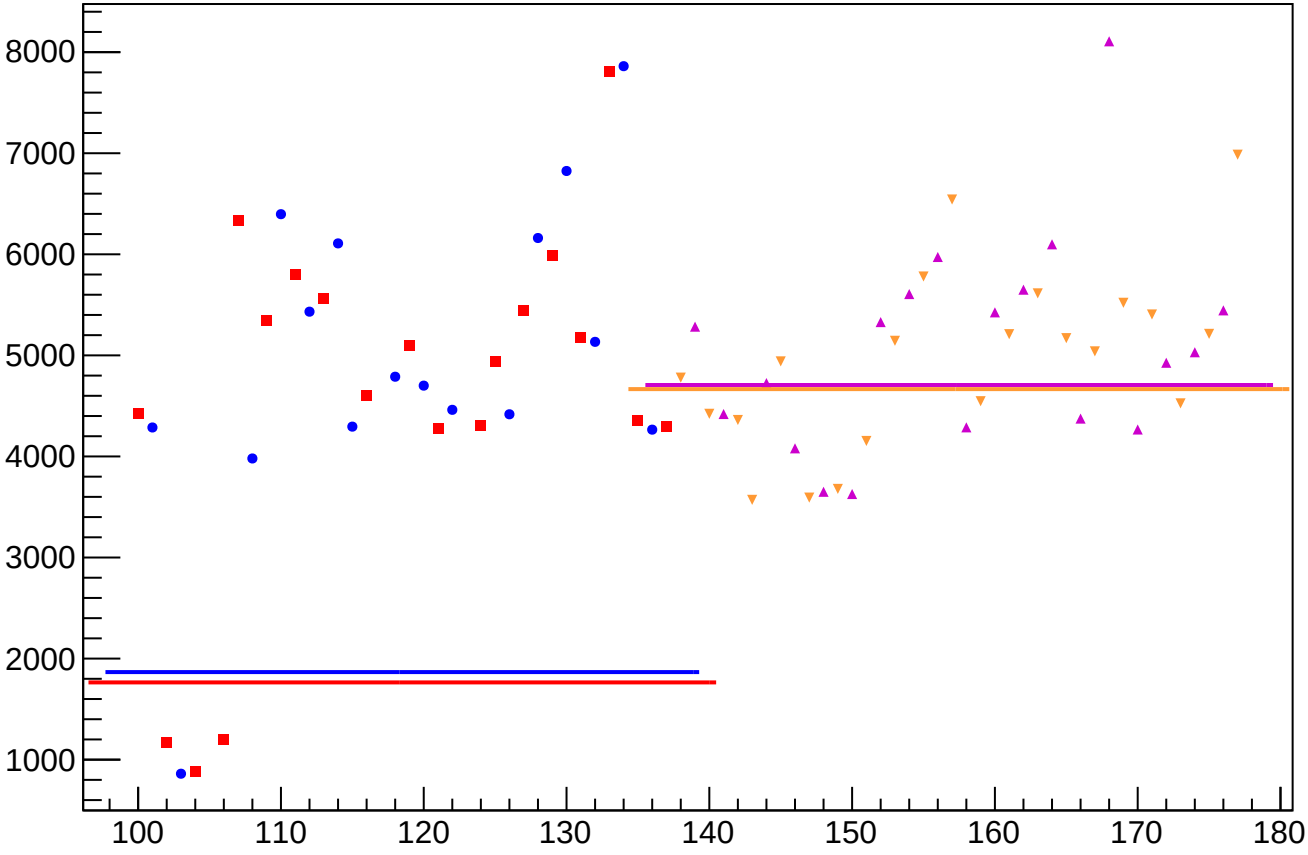
Left In: -278.990+/-1218.577 χ^2/NDF:13.0/18

+ sign -153.852+/-743.166 χ^2/NDF: 38.5/36

All: 314.603+/-521.565 χ^2/NDF: 67.5/74

- sign 769.291+/-732.165 χ^2/NDF: 28.2/37

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4666.221+/-0.826 χ^2/NDF:1017352.6/20

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

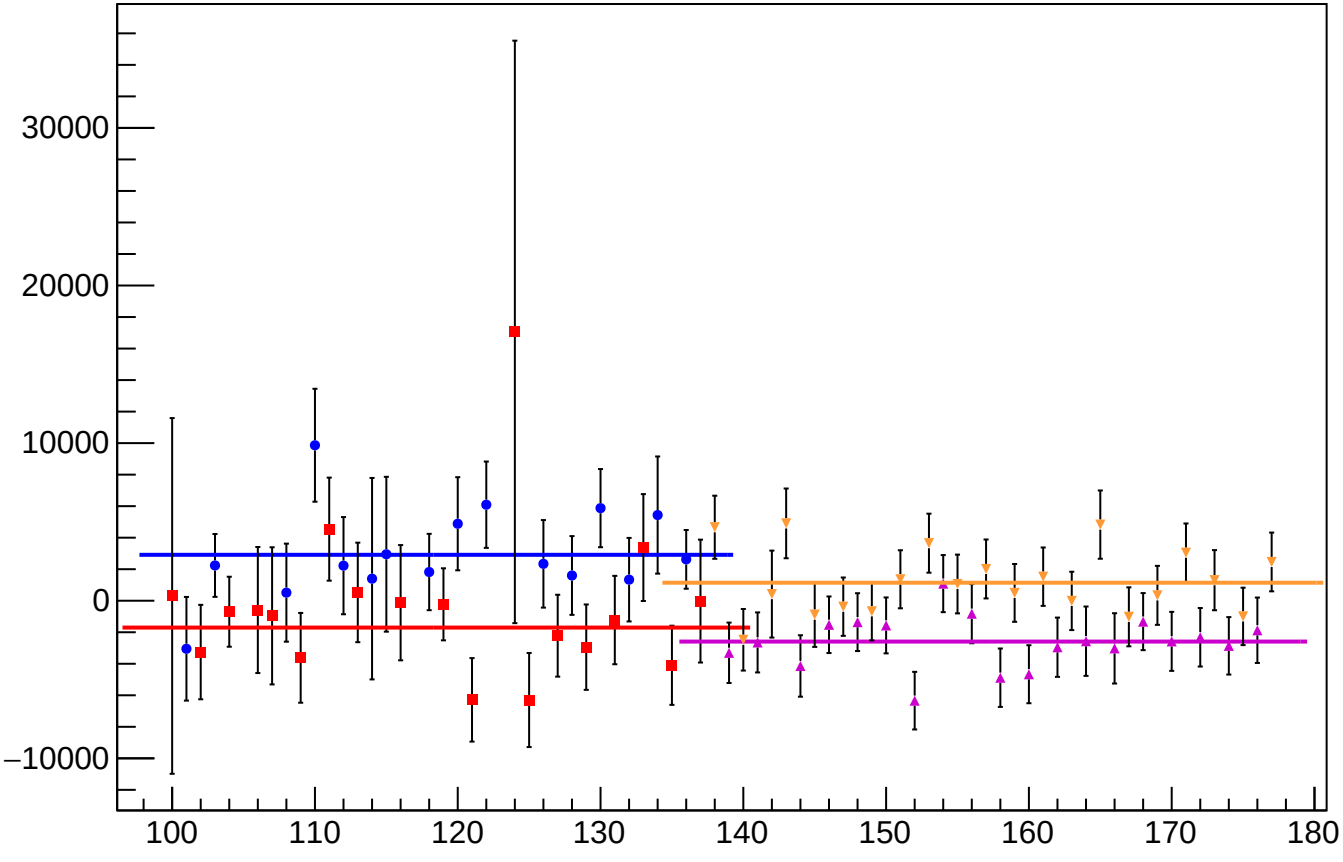
Left In: 4706.840+/-0.862 χ^2/NDF:1023416.2/18

+ sign 2998.507+/-0.525 χ^2/NDF: 14703981.8/36

All: 2911.249+/-0.369 χ^2/NDF: 29668532.2/7

- sign 2826.556+/-0.518 χ^2/NDF: 14910217.0/37

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1143.042+/-420.841 χ^2/NDF:22.1/20

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

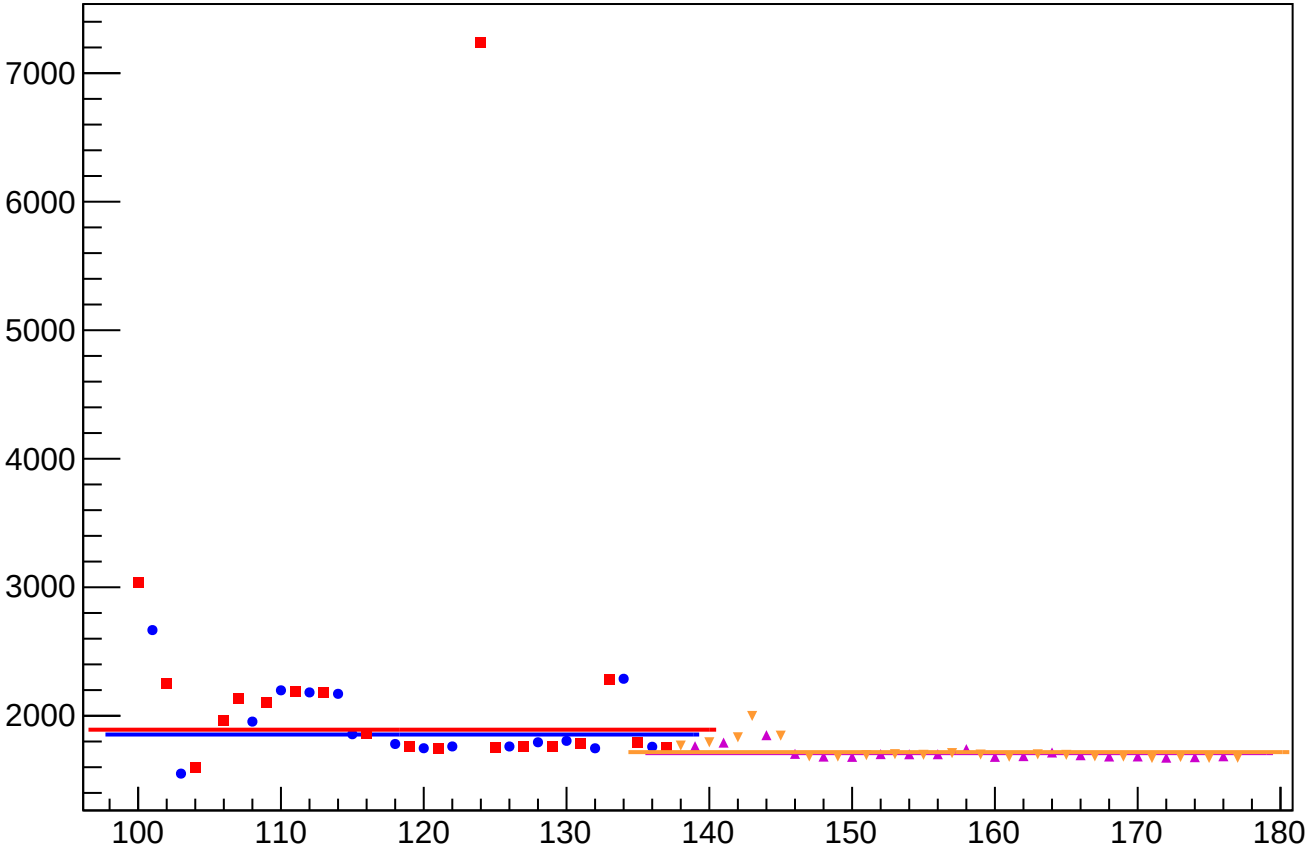
Left In: -2591.826+/-433.762 χ^2/NDF:14.7/18

+ sign 1617.868+/-359.996 χ^2/NDF: 39.2/36

All: -312.727+/-257.919 χ^2/NDF: 130.0/74

- sign -2348.822+/-369.702 χ^2/NDF: 31.6/37

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1717.371+/-0.298 χ^2/NDF:57247.0/20

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

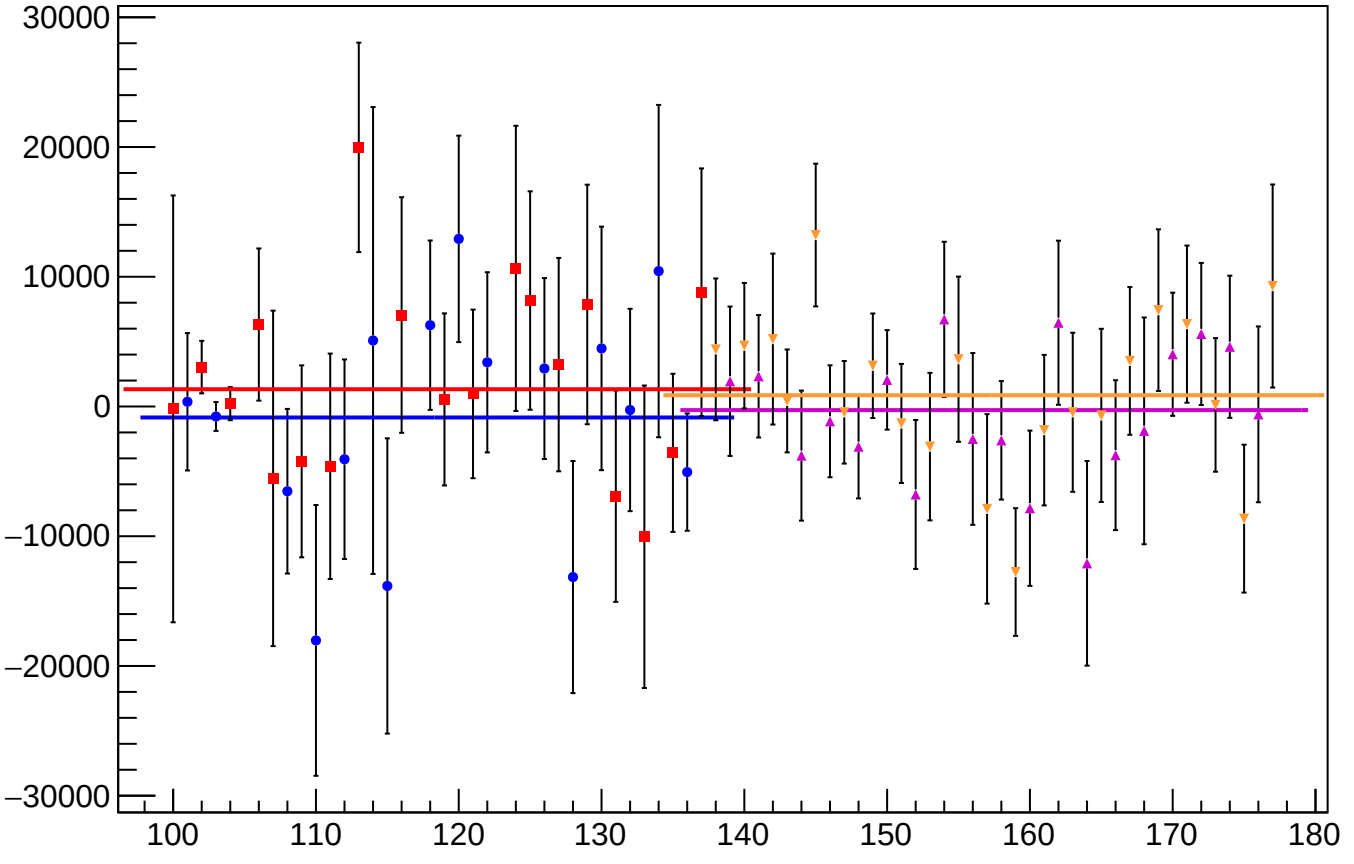
Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

+ sign 1754.106+/-0.255 χ^2/NDF: 377379.1/36

All: 1756.746+/-0.182 χ^2/NDF: 859518.6/74

- sign 1759.526+/-0.261 χ^2/NDF: 481918.8/37

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 868.662+/-1168.712 χ^2/NDF:23.4/20

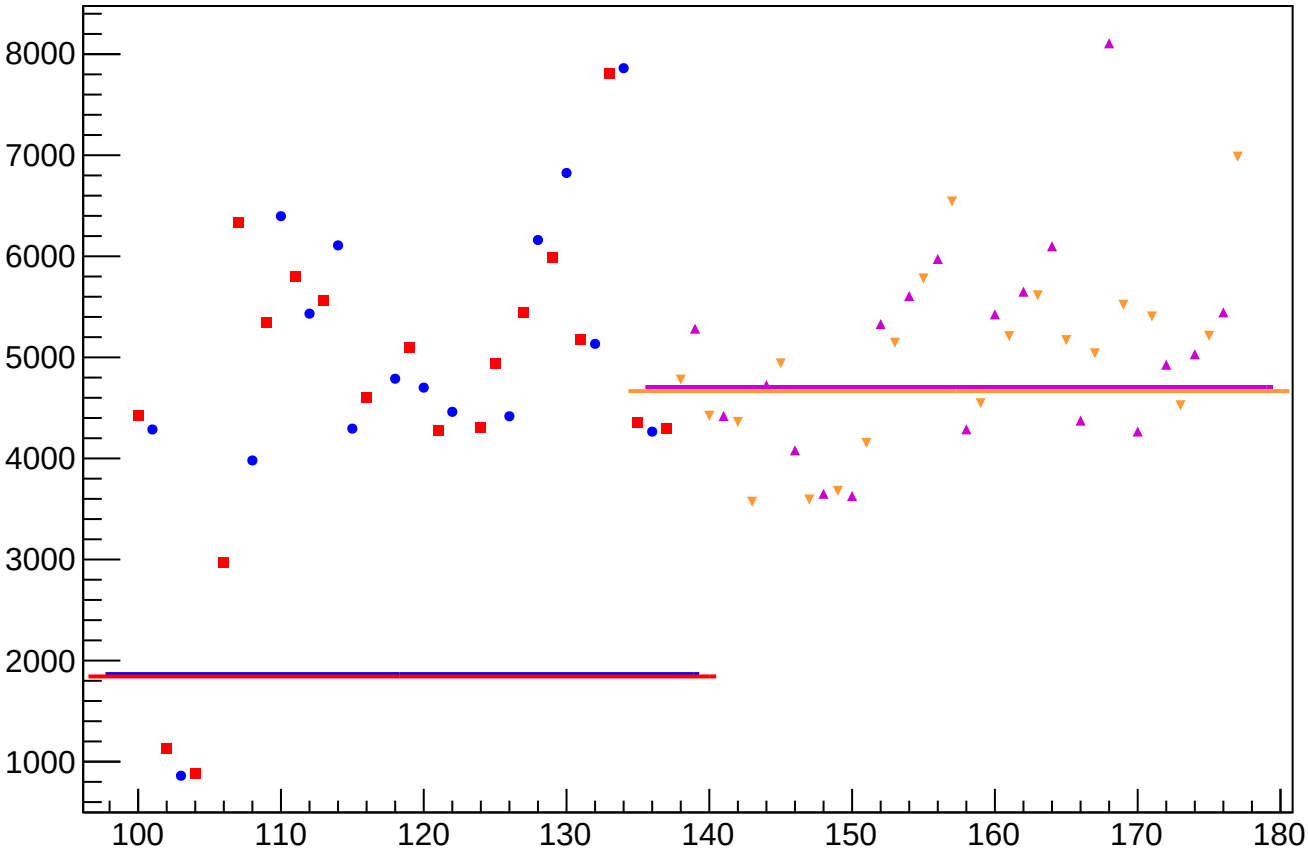
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -279.051+/-1218.577 χ^2/NDF:13.0/18

+ sign -153.619+/-743.142 χ^2/NDF: 38.5/36

All: 282.174+/-527.302 χ^2/NDF: 67.7/74

- sign 724.062+/-748.321 χ^2/NDF: 28.5/37



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4666.215+/-0.826 χ^2/NDF:1017368.0/20

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

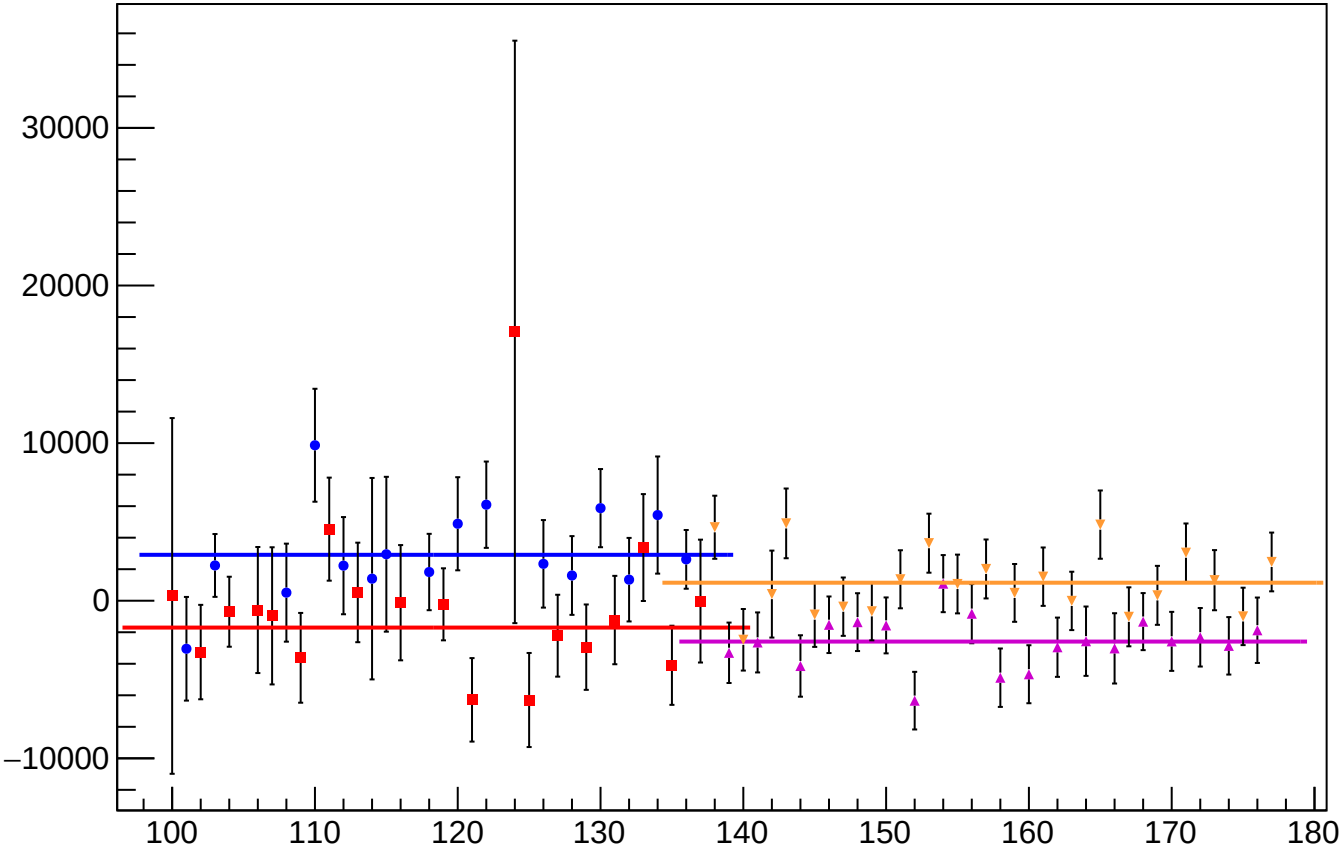
Left In: 4706.839+/-0.862 χ^2/NDF:1023433.0/18

+ sign 2998.340+/-0.525 χ^2/NDF: 14705456.0/36

All: 2960.889+/-0.373 χ^2/NDF: 29078818.8/7

- sign 2922.913+/-0.529 χ^2/NDF: 14363132.7/37

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1143.042+/-420.841 χ^2/NDF:22.1/20

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

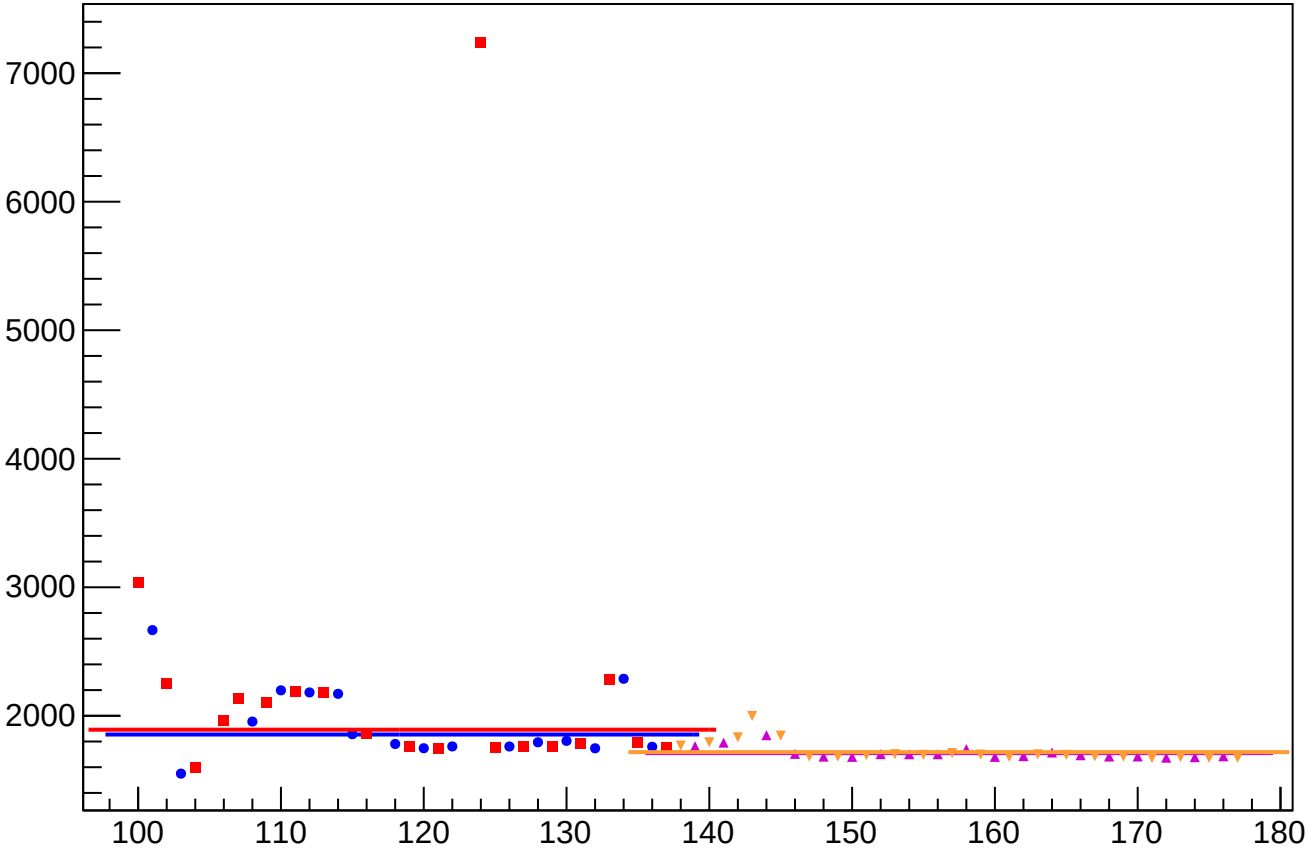
Left In: -2591.826+/-433.762 χ^2/NDF:14.7/18

+ sign 1617.868+/-359.996 χ^2/NDF: 39.2/36

All: -312.727+/-257.919 χ^2/NDF: 130.0/74

- sign -2348.822+/-369.702 χ^2/NDF: 31.6/37

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1717.371+/-0.298 χ^2/NDF:57247.0/20

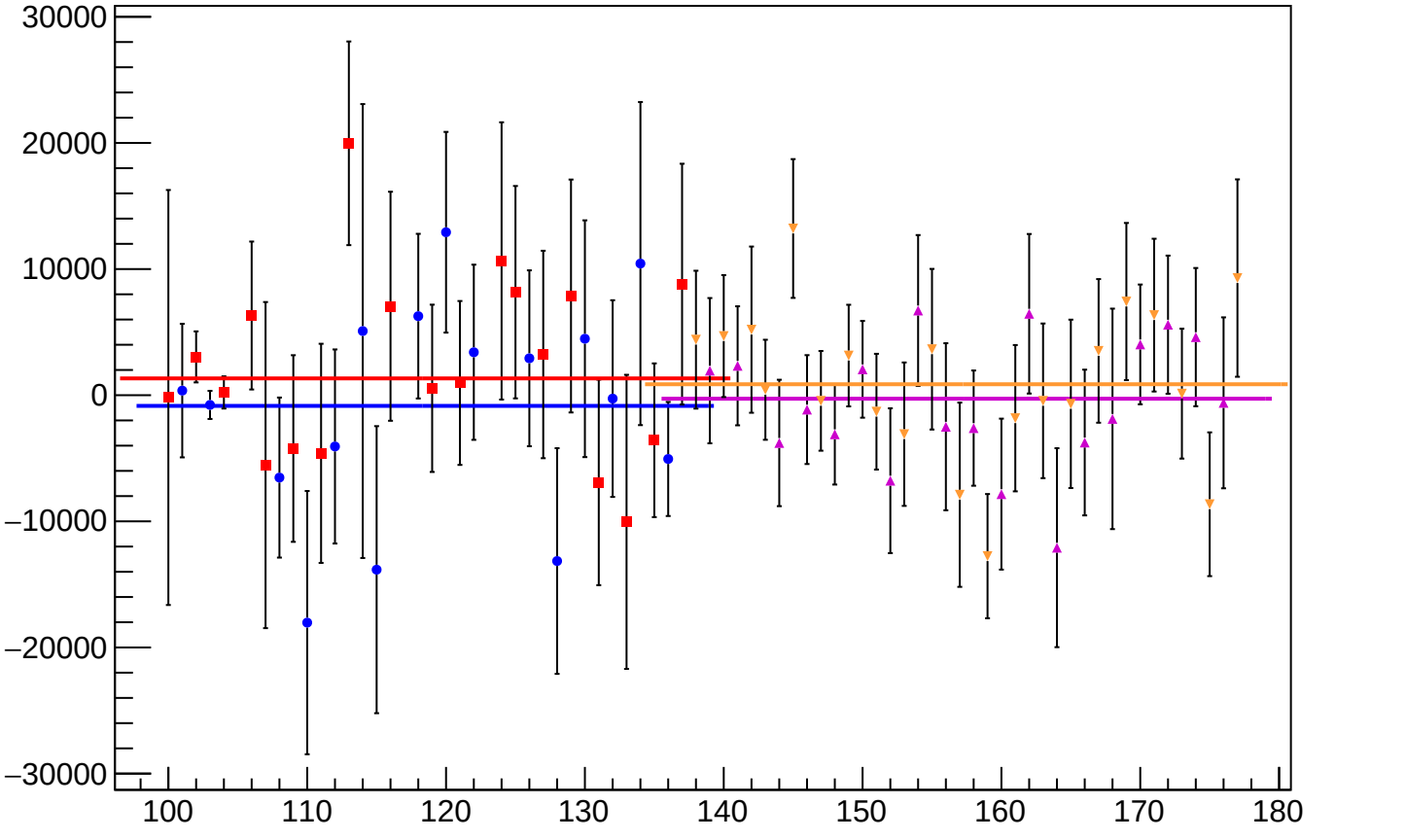
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

+ sign 1754.106+/-0.255 χ^2/NDF: 377379.1/36

All: 1756.746+/-0.182 χ^2/NDF: 859518.6/74

- sign 1759.526+/-0.261 χ^2/NDF: 481918.8/37



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 868.662+/-1168.712 χ^2/NDF:23.4/20

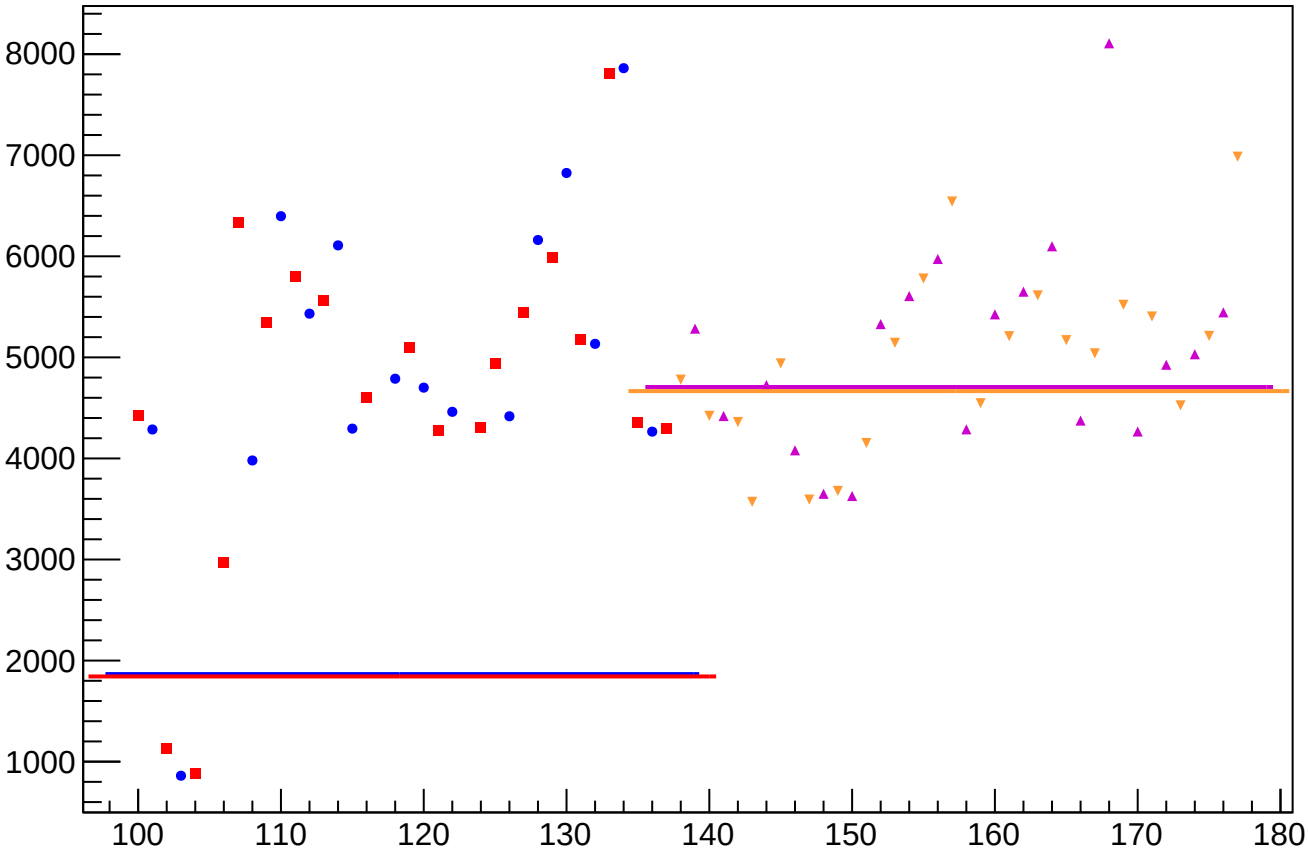
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -279.051+/-1218.577 χ^2/NDF:13.0/18

+ sign -153.619+/-743.142 χ^2/NDF: 38.5/36

All: 282.174+/-527.302 χ^2/NDF: 67.7/74

- sign 724.062+/-748.321 χ^2/NDF: 28.5/37



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4666.215+/-0.826 χ^2/NDF:1017368.0/20

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

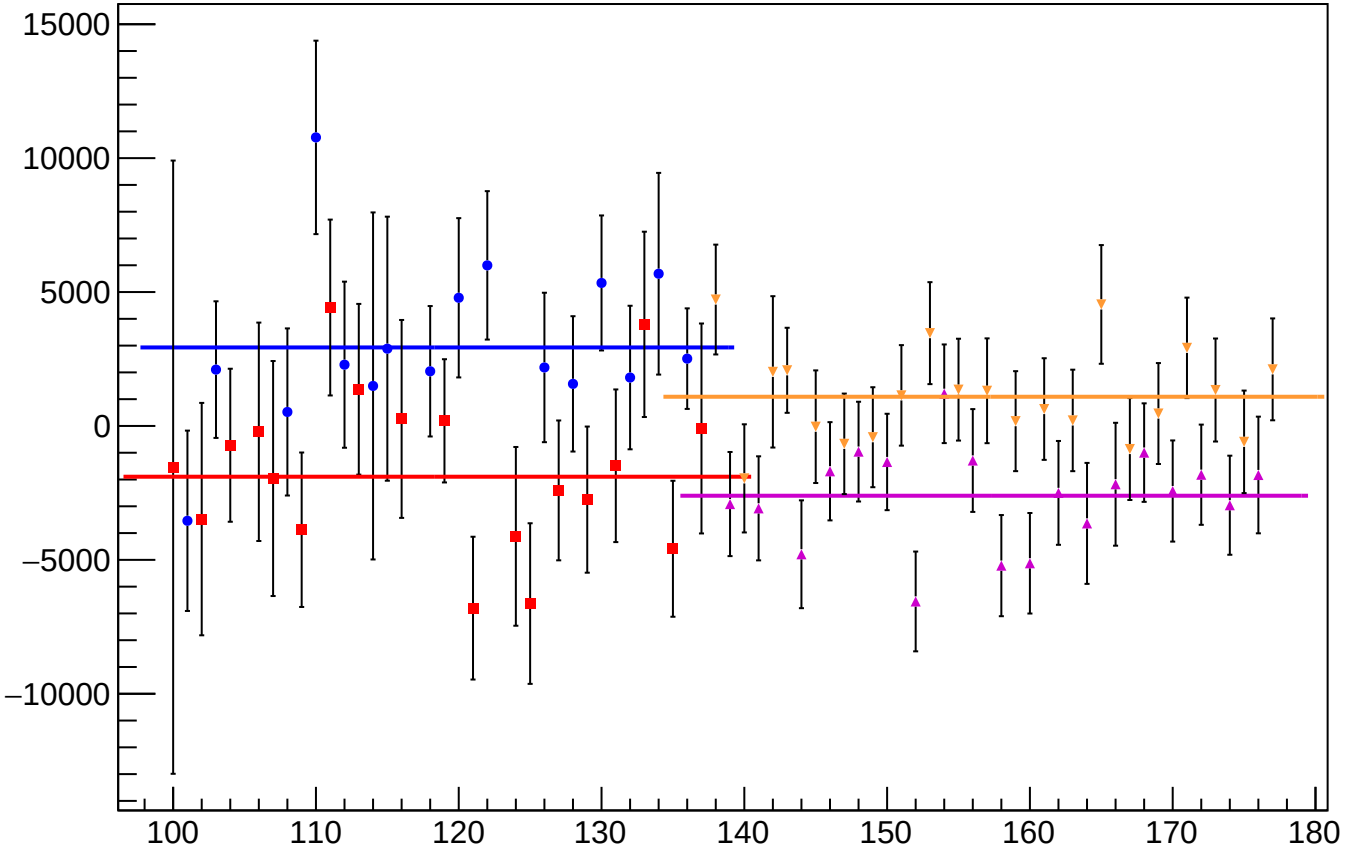
Left In: 4706.839+/-0.862 χ^2/NDF:1023433.0/18

+ sign 2998.340+/-0.525 χ^2/NDF: 14705456.0/36

All: 2960.889+/-0.373 χ^2/NDF: 29078818.8/7

- sign 2922.913+/-0.529 χ^2/NDF: 14363132.7/37

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1090.563+/-422.277 χ^2/NDF:15.4/20

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

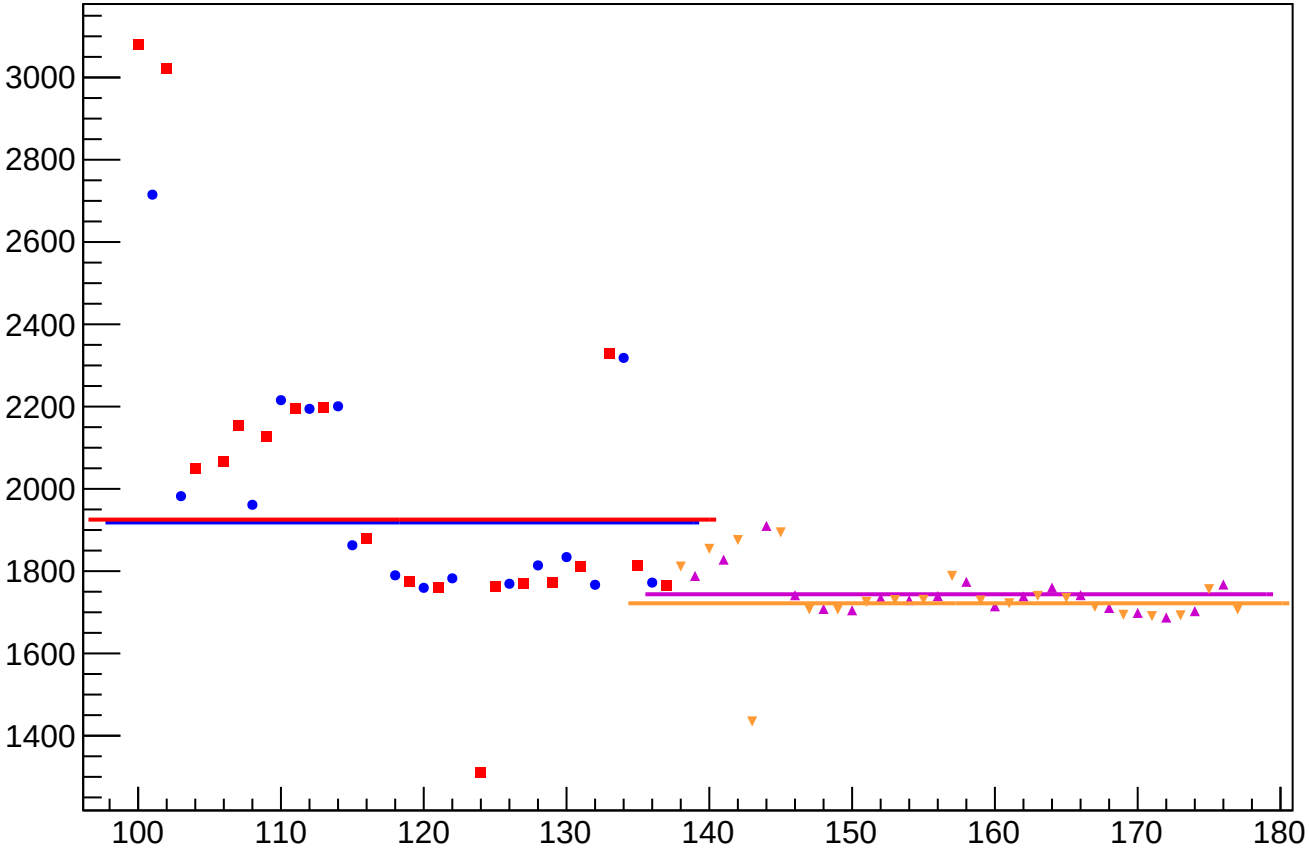
Left In: -2605.397+/-442.560 χ^2/NDF:17.1/18

+ sign 1563.435+/-364.032 χ^2/NDF: 33.3/36

All: -352.856+/-261.978 χ^2/NDF: 126.0/74

- sign -2411.499+/-377.311 χ^2/NDF: 35.2/37

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1721.881+/-0.299 χ^2/NDF:102378.3/20

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

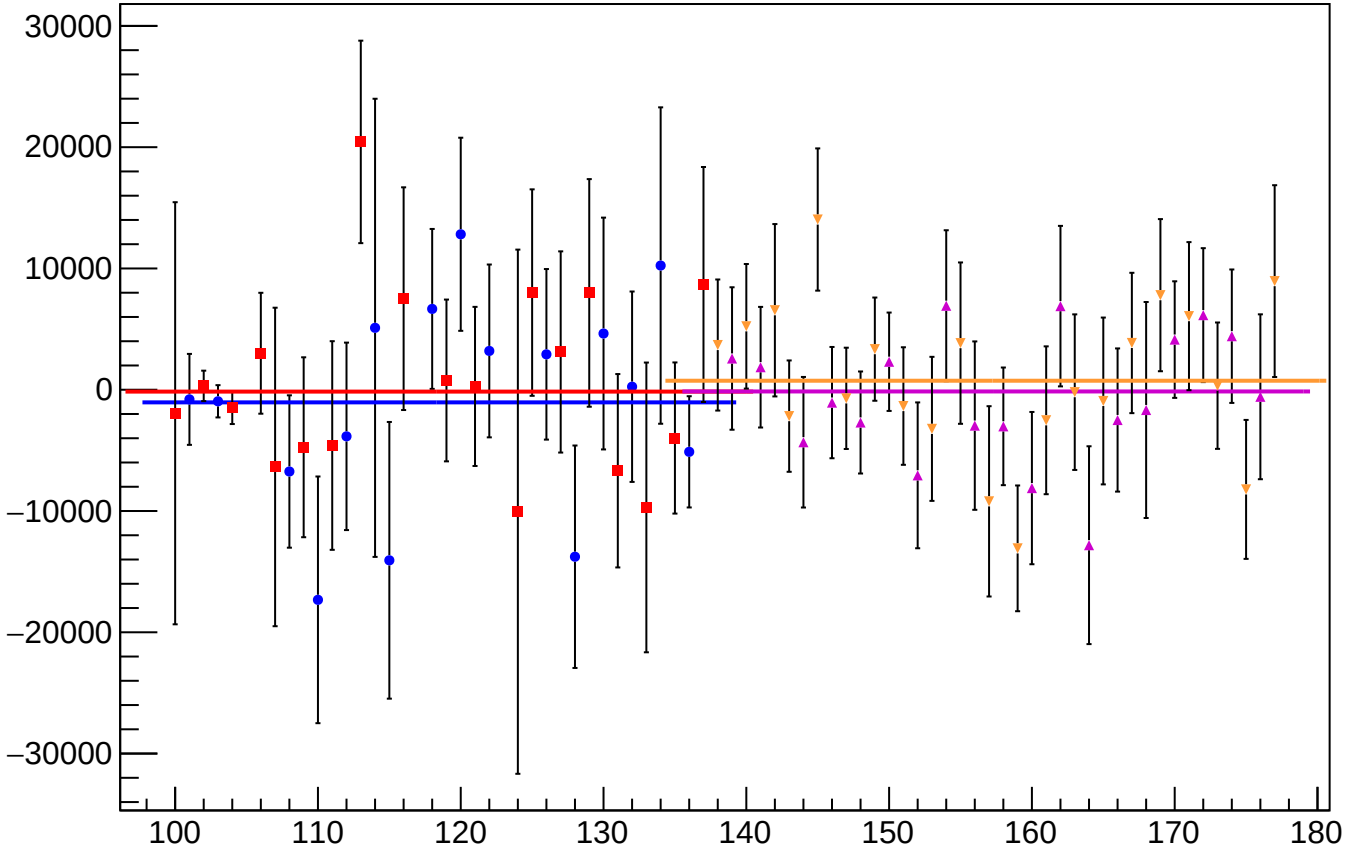
Left In: 1743.824+/-0.313 χ^2/NDF:26272.9/18

+ sign 1772.346+/-0.257 χ^2/NDF: 429184.9/36

All: 1782.518+/-0.185 χ^2/NDF: 889714.9/74

- sign 1793.440+/-0.267 χ^2/NDF: 457291.9/37

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 742.697+/-1225.558 χ^2/NDF:23.5/20

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

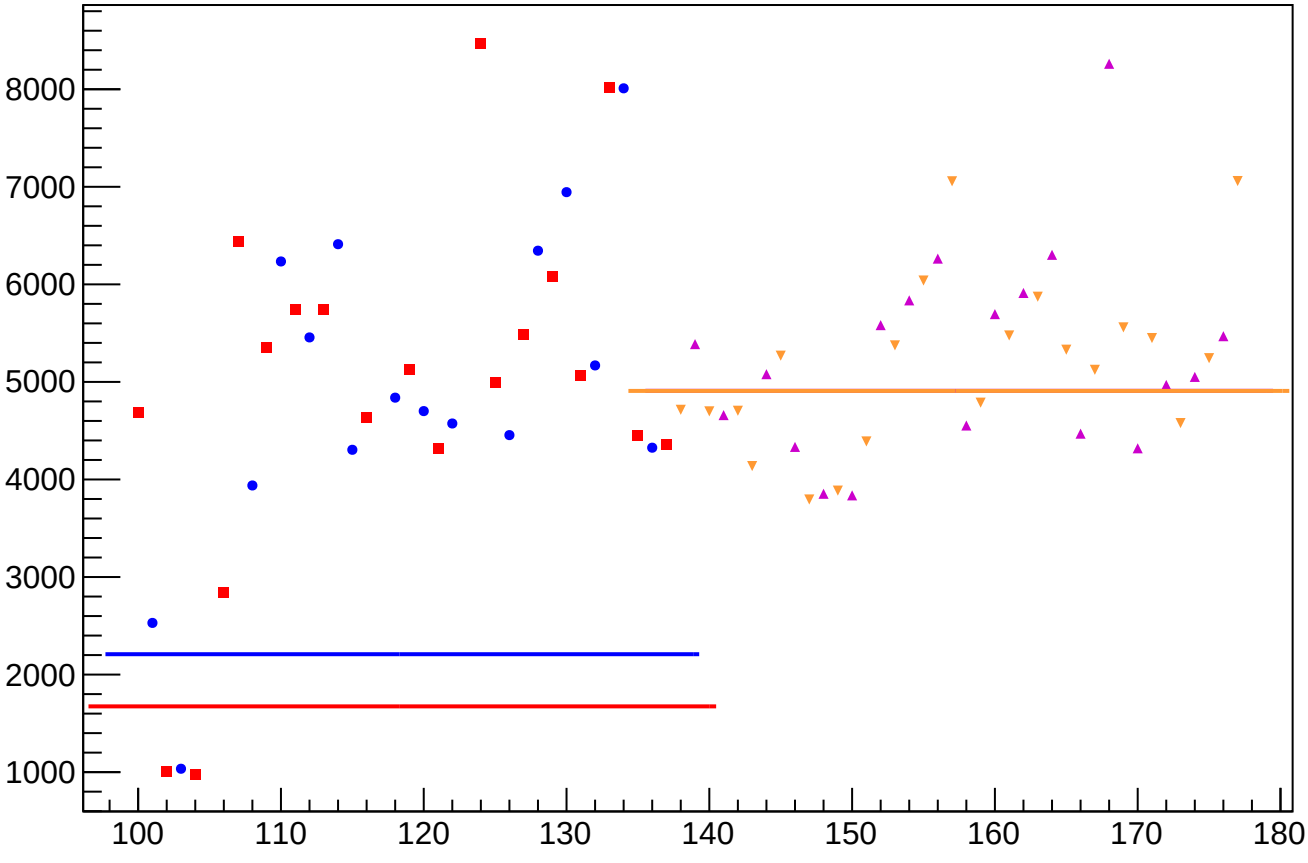
Left In: -141.832+/-1269.223 χ^2/NDF:13.0/18

+ sign -268.017+/-807.054 χ^2/NDF: 38.6/36

All: -200.530+/-527.921 χ^2/NDF: 65.3/74

- sign -150.055+/-697.959 χ^2/NDF: 26.7/37

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4907.795+/-0.867 χ^2/NDF:846190.9/20

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

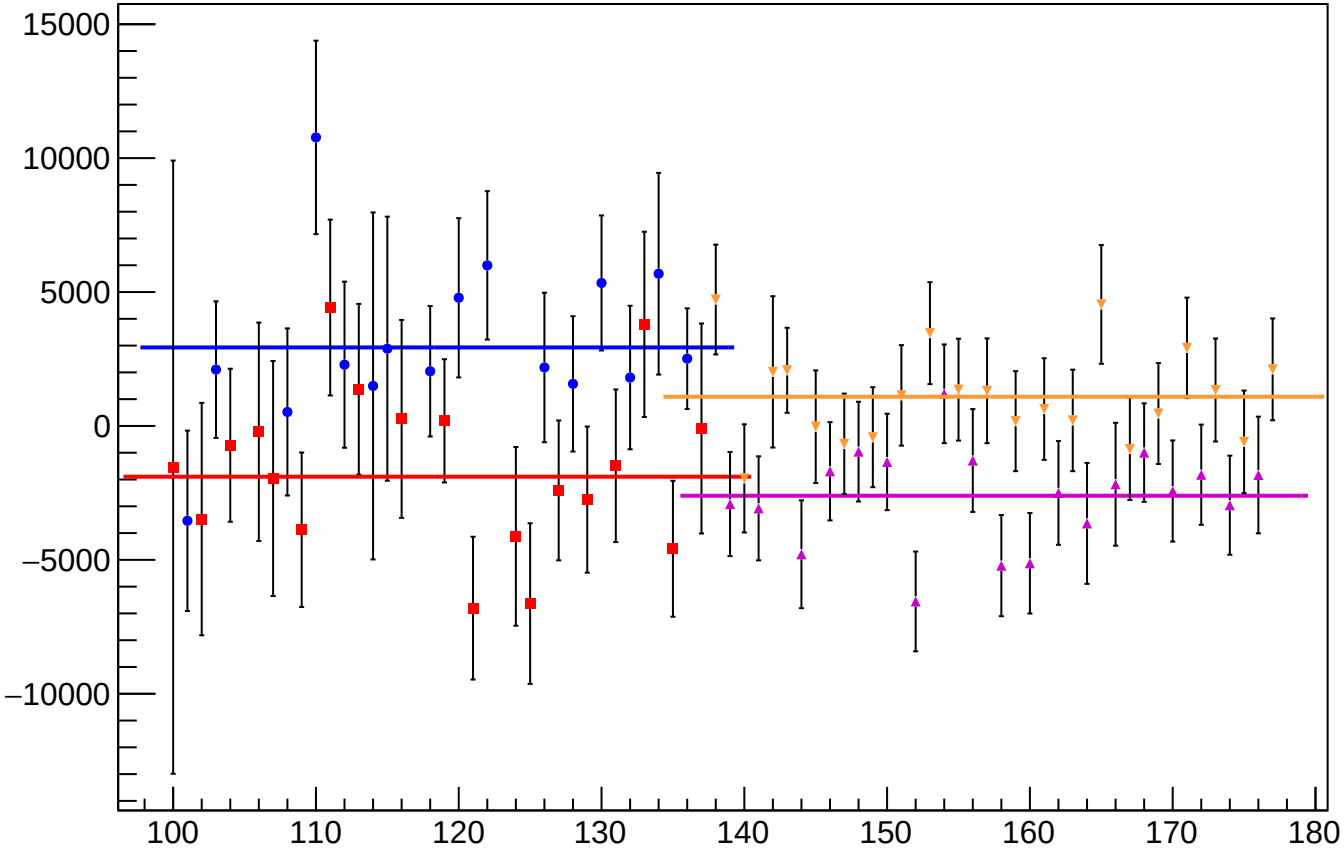
Left In: 4908.748+/-0.897 χ^2/NDF:949043.5/18

+ sign 3379.277+/-0.571 χ^2/NDF: 11838292.5/36

All: 2963.371+/-0.373 χ^2/NDF: 29630390.1/7

- sign 2652.306+/-0.494 χ^2/NDF: 16863693.4/37

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1090.557+/-422.278 χ^2/NDF:15.4/20

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

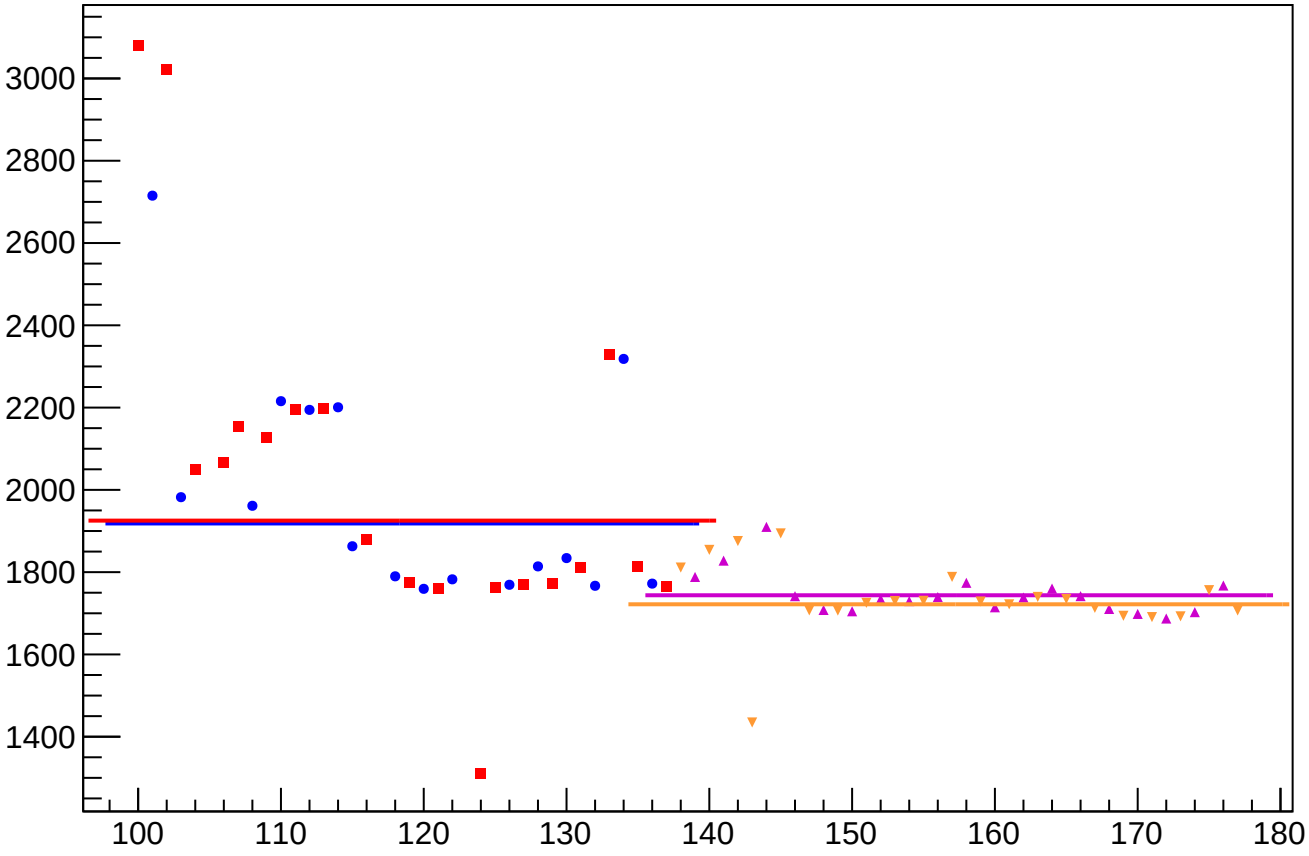
Left In: -2605.400+/-442.561 χ^2/NDF:17.1/18

+ sign 1563.432+/-364.032 χ^2/NDF: 33.3/36

All: -352.859+/-261.978 χ^2/NDF: 126.0/74

- sign -2411.502+/-377.311 χ^2/NDF: 35.2/37

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1721.882+/-0.299 χ^2/NDF:102377.5/20

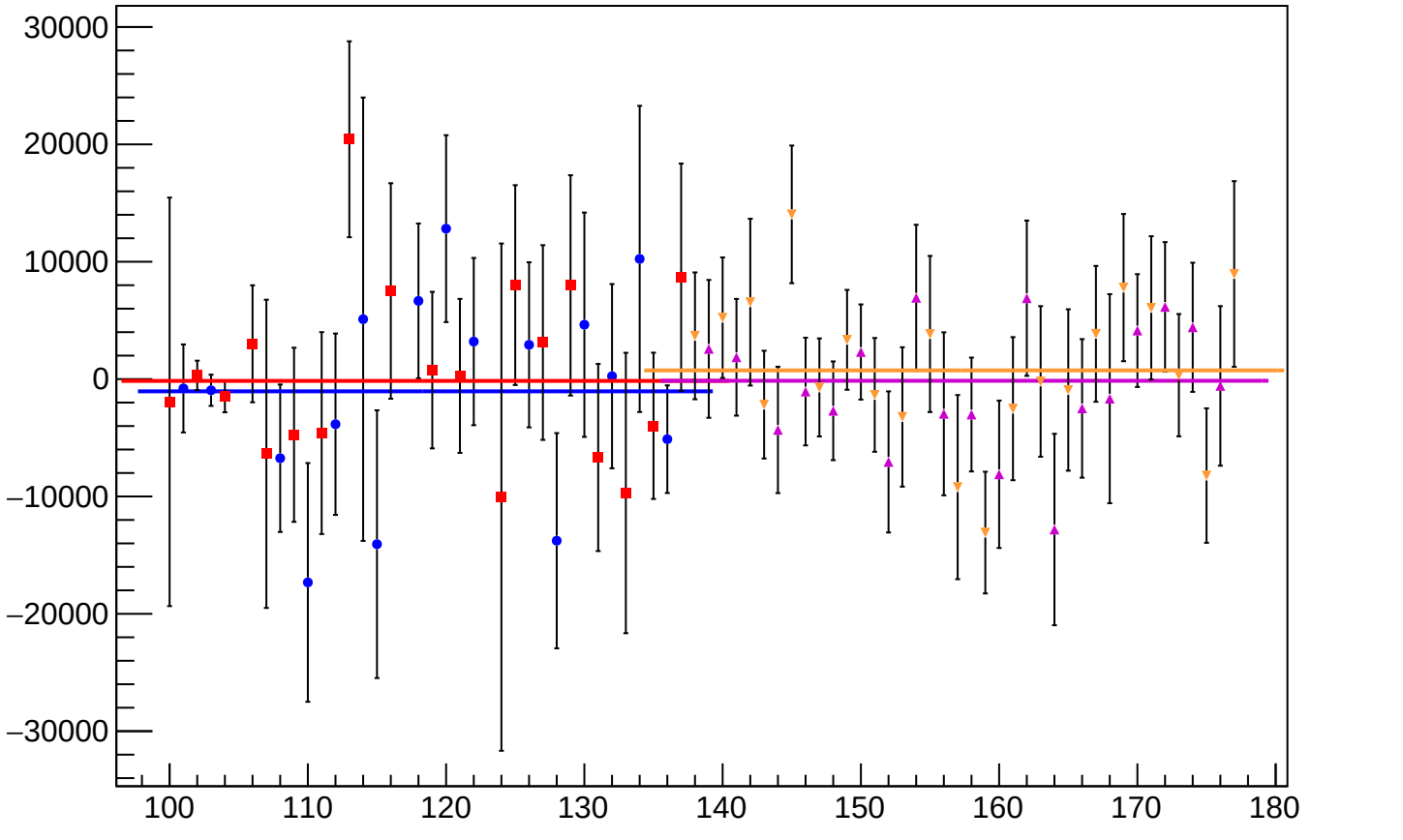
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1743.825+/-0.313 χ^2/NDF:26272.9/18

+ sign 1772.347+/-0.257 χ^2/NDF: 429182.5/36

All: 1782.518+/-0.185 χ^2/NDF: 889710.0/74

- sign 1793.440+/-0.267 χ^2/NDF: 457289.5/37



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 742.696+/-1225.560 χ^2/NDF:23.5/20

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

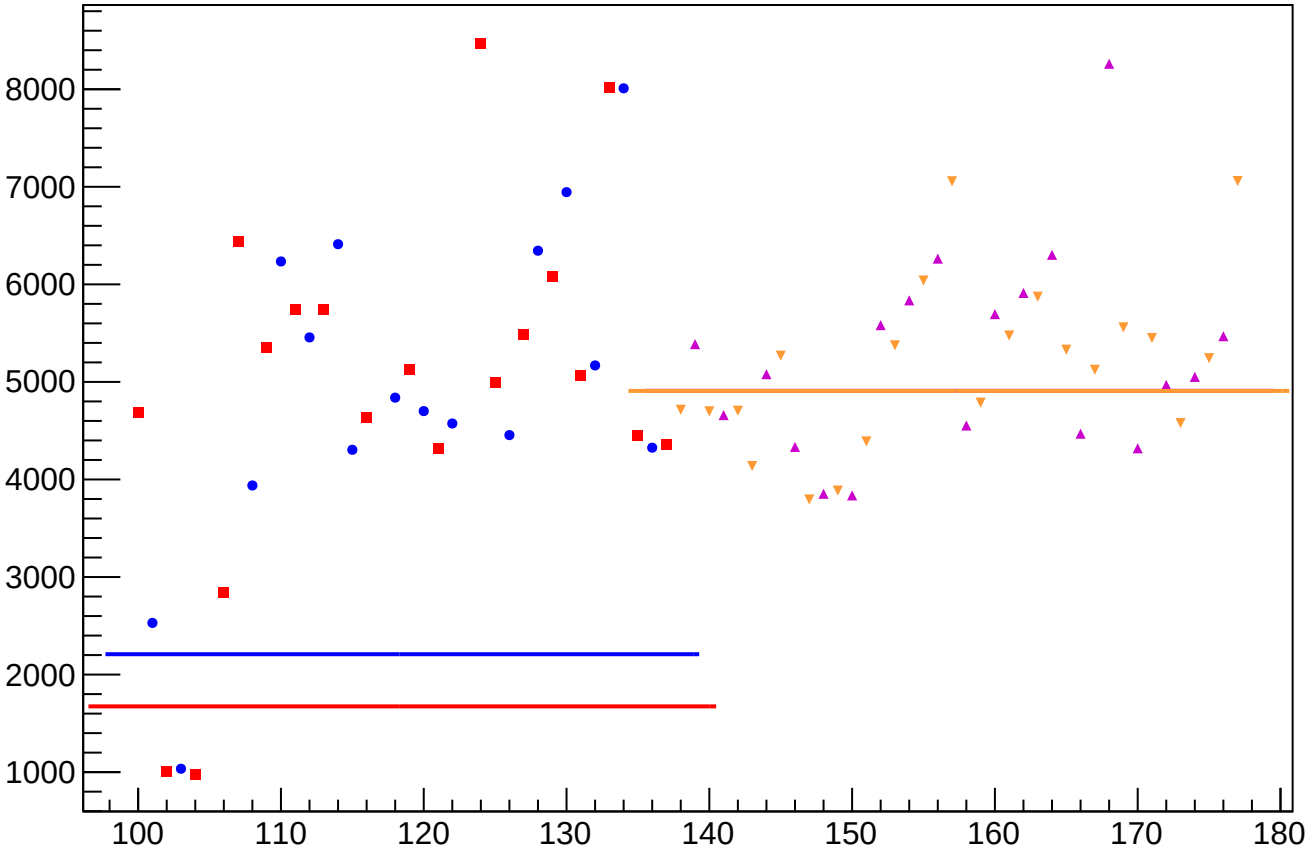
Left In: -141.830+/-1269.225 χ^2/NDF:13.0/18

+ sign -268.019+/-807.054 χ^2/NDF: 38.6/36

All: -200.528+/-527.921 χ^2/NDF: 65.3/74

- sign -150.051+/-697.959 χ^2/NDF: 26.7/37

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4907.803+/-0.867 χ^2/NDF:846190.4/20

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

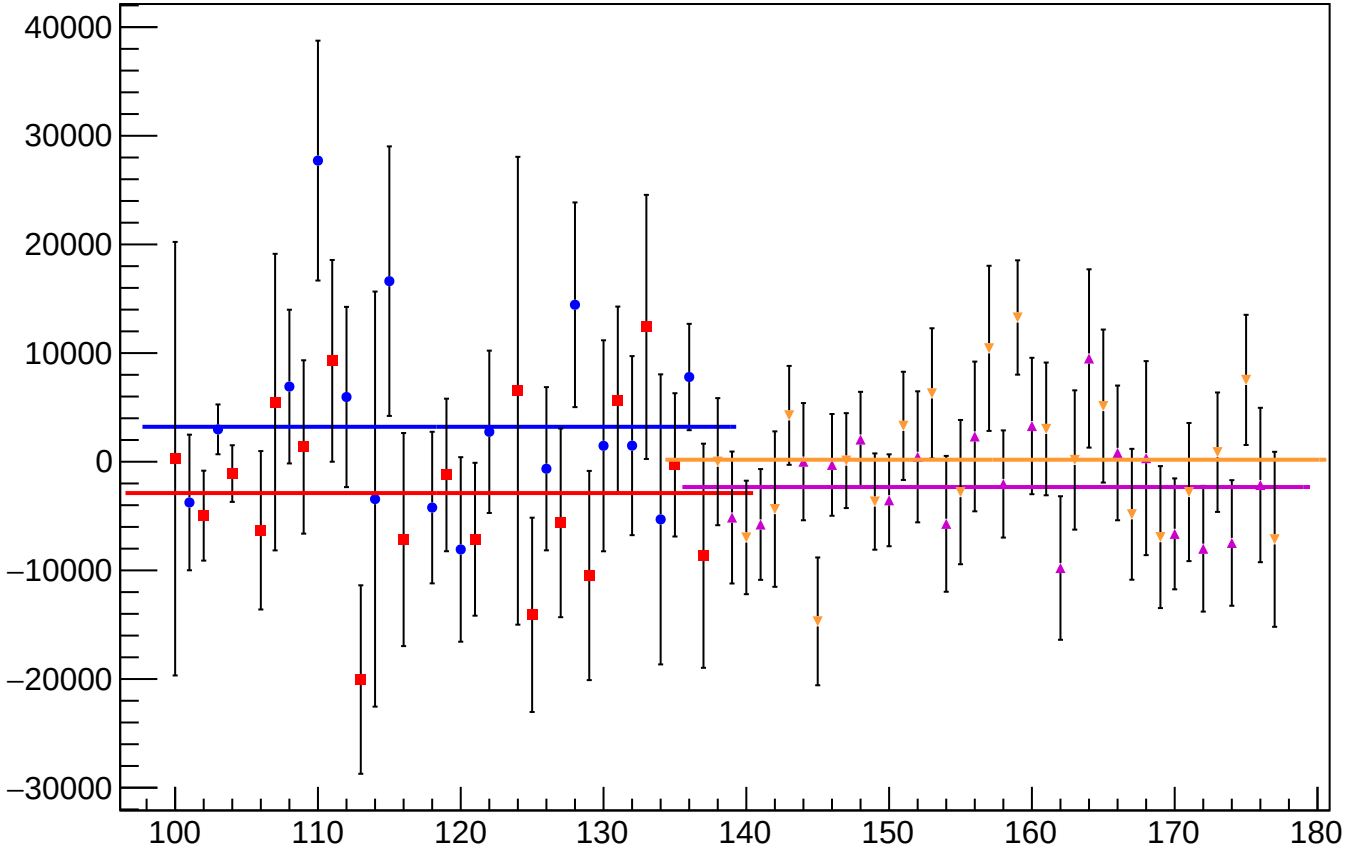
Left In: 4908.756+/-0.897 χ^2/NDF:949044.1/18

+ sign 3379.277+/-0.571 χ^2/NDF: 11838314.6/36

All: 2963.370+/-0.373 χ^2/NDF: 29630433.7/7

- sign 2652.305+/-0.494 χ^2/NDF: 16863713.2/37

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 185.142+/-1256.241 χ^2/NDF:25.0/20

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

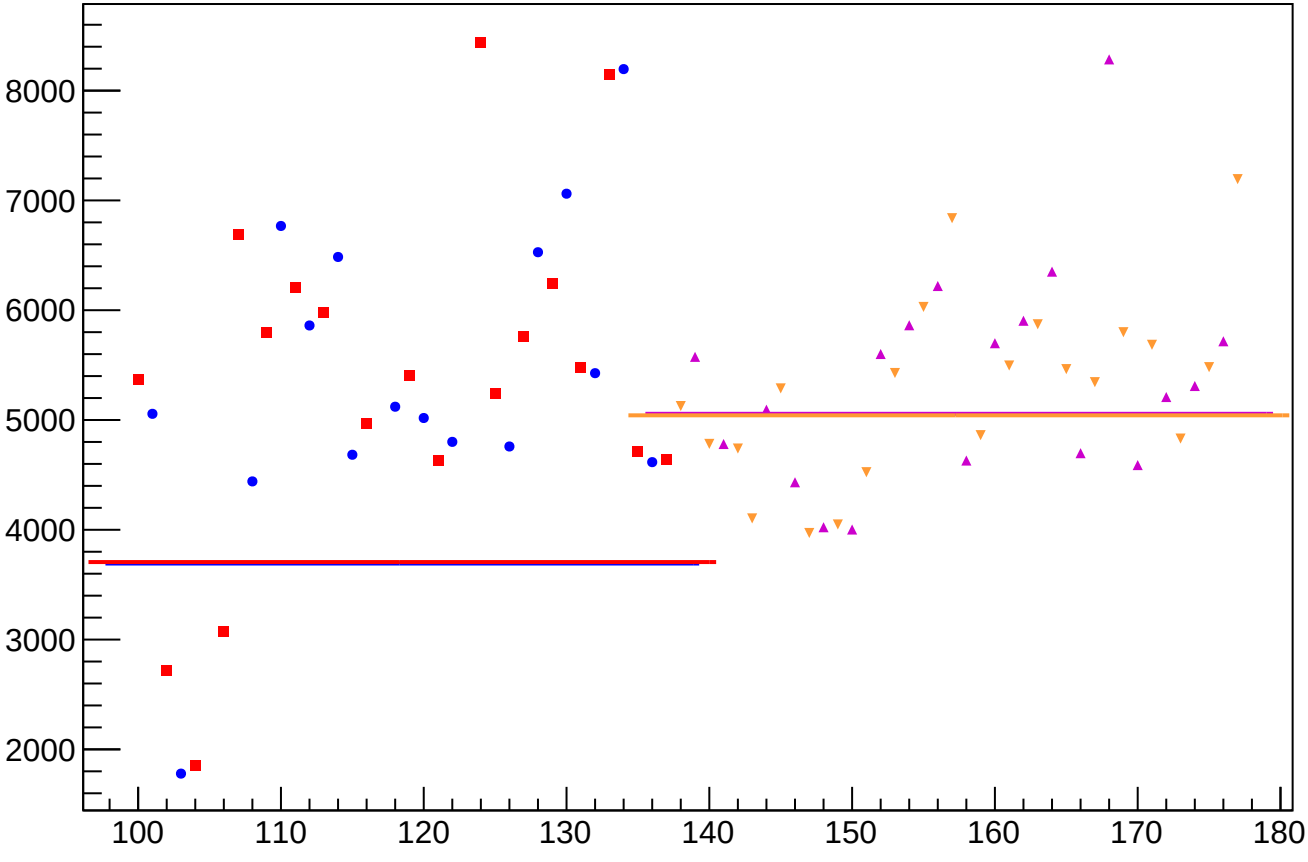
Left In: -2328.525+/-1303.786 χ^2/NDF:10.1/18

\+ sign 1396.714+/-973.254 χ^2/NDF: 41.2/36

All: -530.424+/-696.885 χ^2/NDF: 72.7/74

\- sign -2558.080+/-998.314 χ^2/NDF: 23.5/37

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5042.549+/-0.888 χ^2/NDF:767036.9/20

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

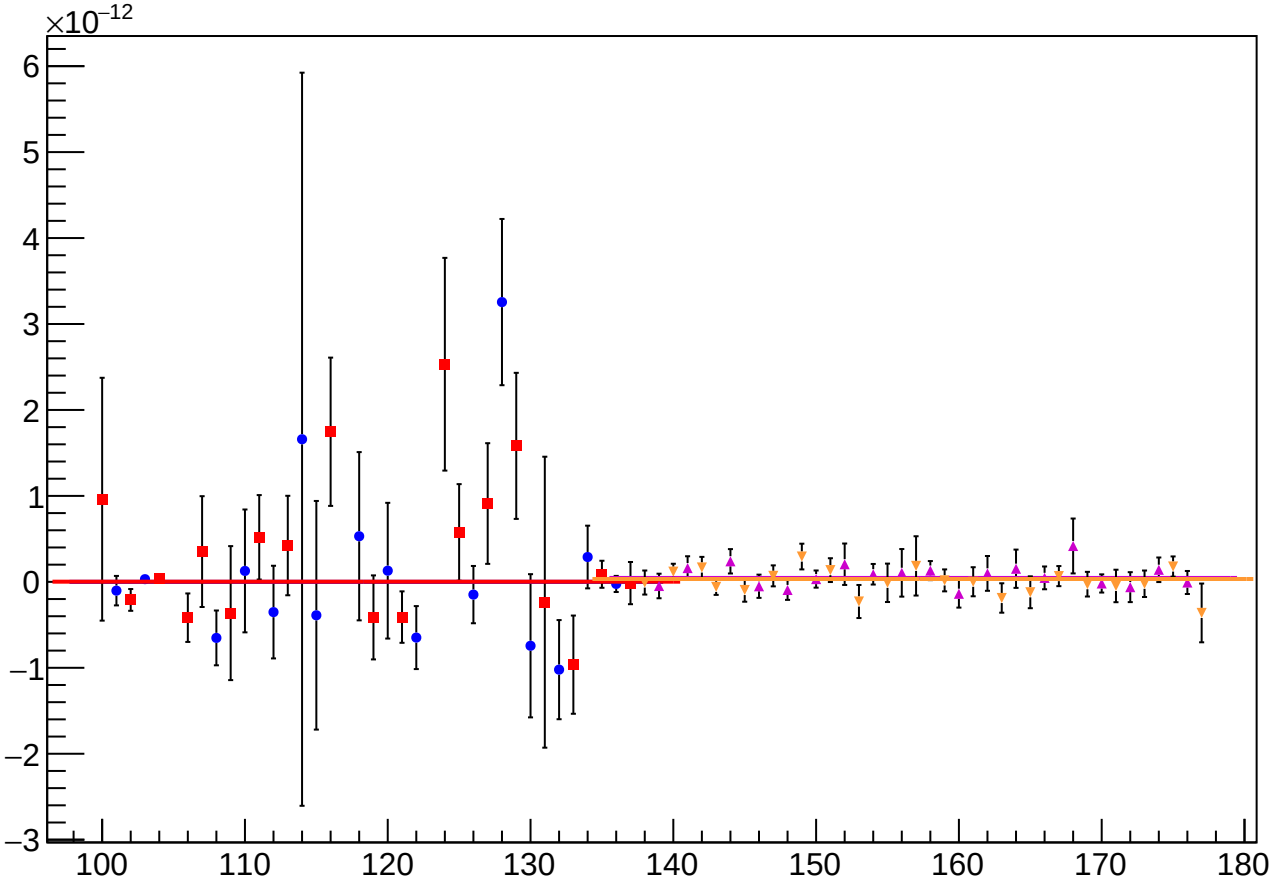
Left In: 5056.314+/-0.922 χ^2/NDF:823605.4/18

+ sign 4502.944+/-0.688 χ^2/NDF: 4575707.0/36

All: 4497.169+/-0.492 χ^2/NDF: 8981838.2/74

- sign 4491.143+/-0.703 χ^2/NDF: 4405987.3/37

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:15.6/20

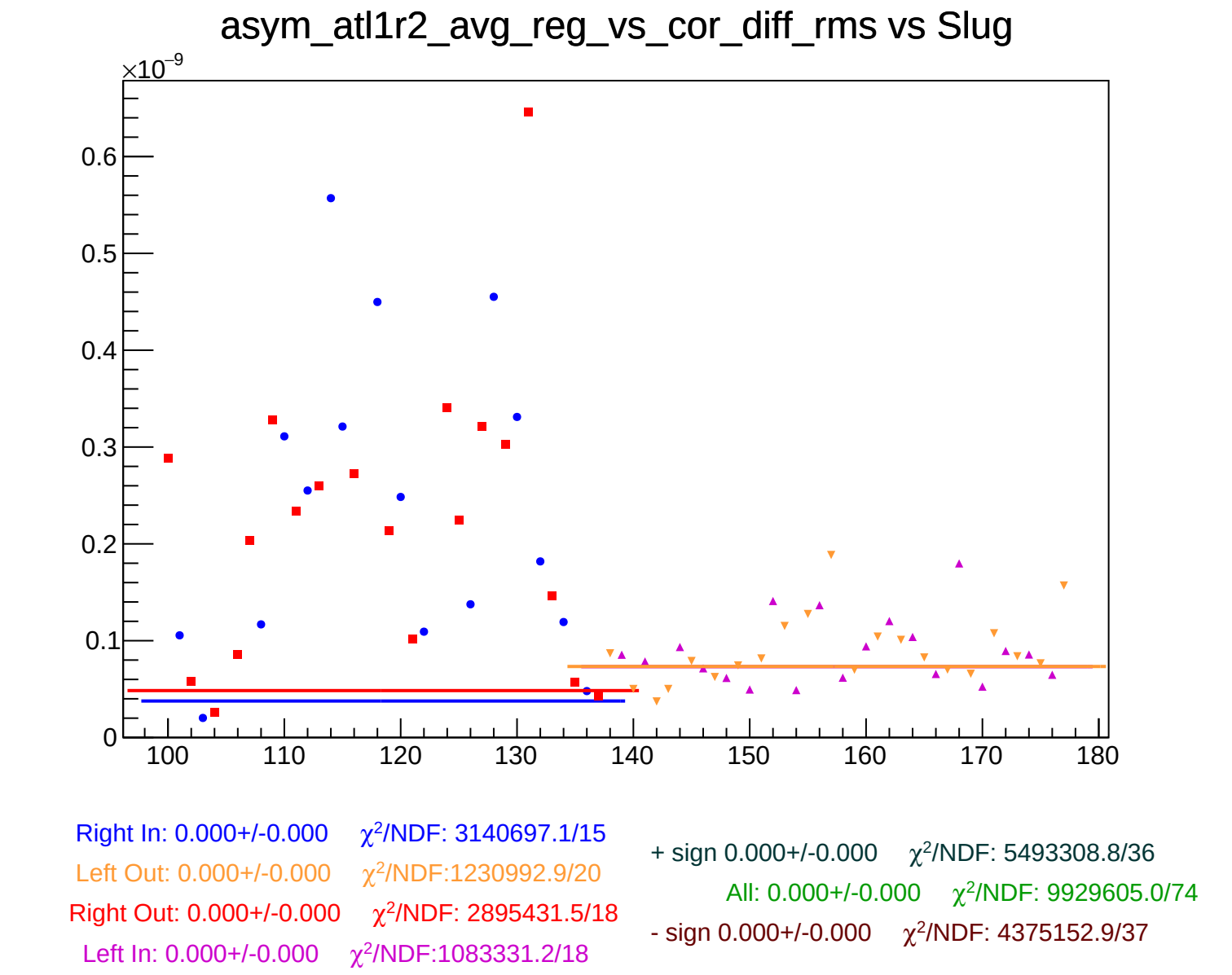
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

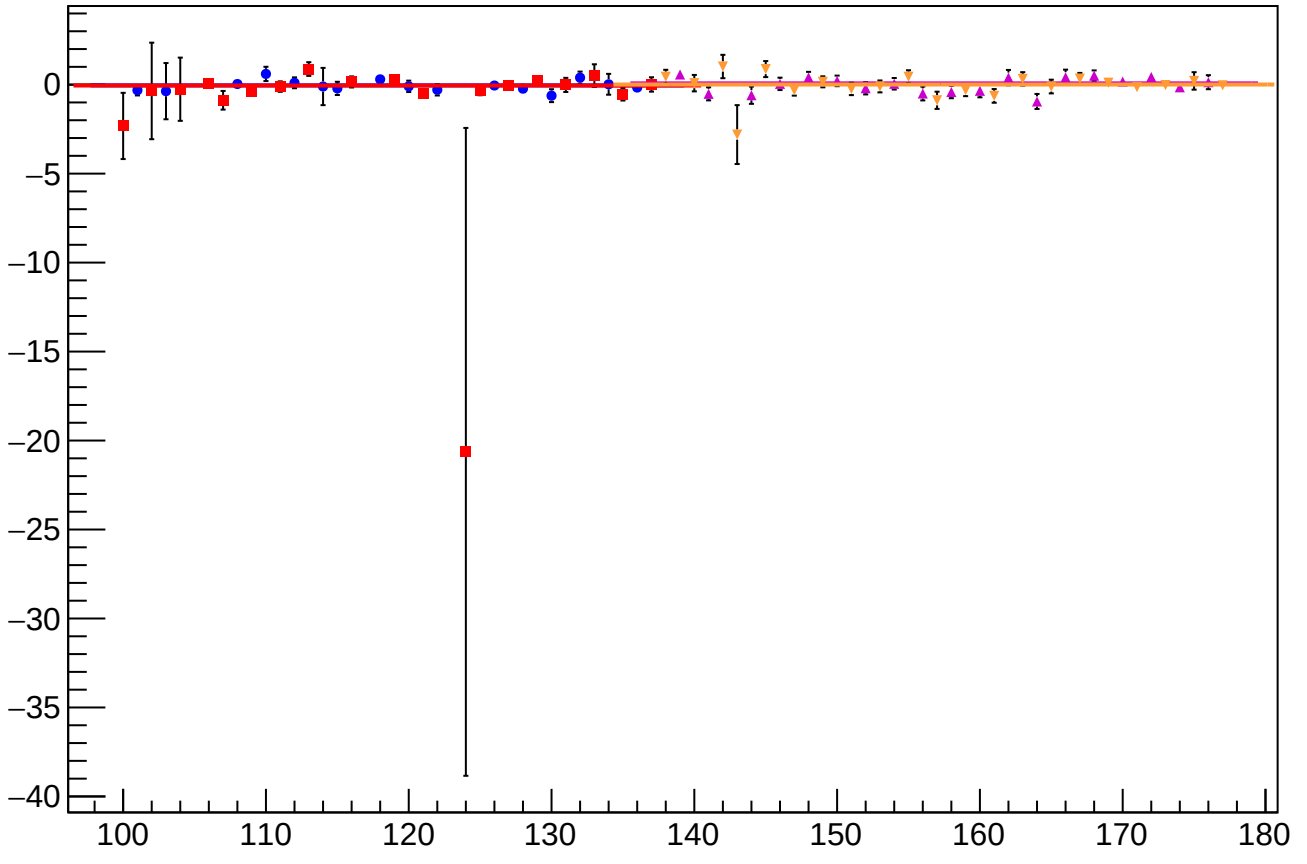
Left In: 0.000+/-0.000 χ^2/NDF:10.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/36

All: 0.000+/-0.000 χ^2/NDF: 80.9/74

- sign 0.000+/-0.000 χ^2/NDF: 39.3/37


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:1230992.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:1083331.2/18
+ sign 0.000+/-0.000 χ²/NDF: 5493308.8/36
All: 0.000+/-0.000 χ²/NDF: 9929605.0/74
- sign 0.000+/-0.000 χ²/NDF: 4375152.9/37



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.007+/-0.073 χ^2/NDF:23.3/20

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

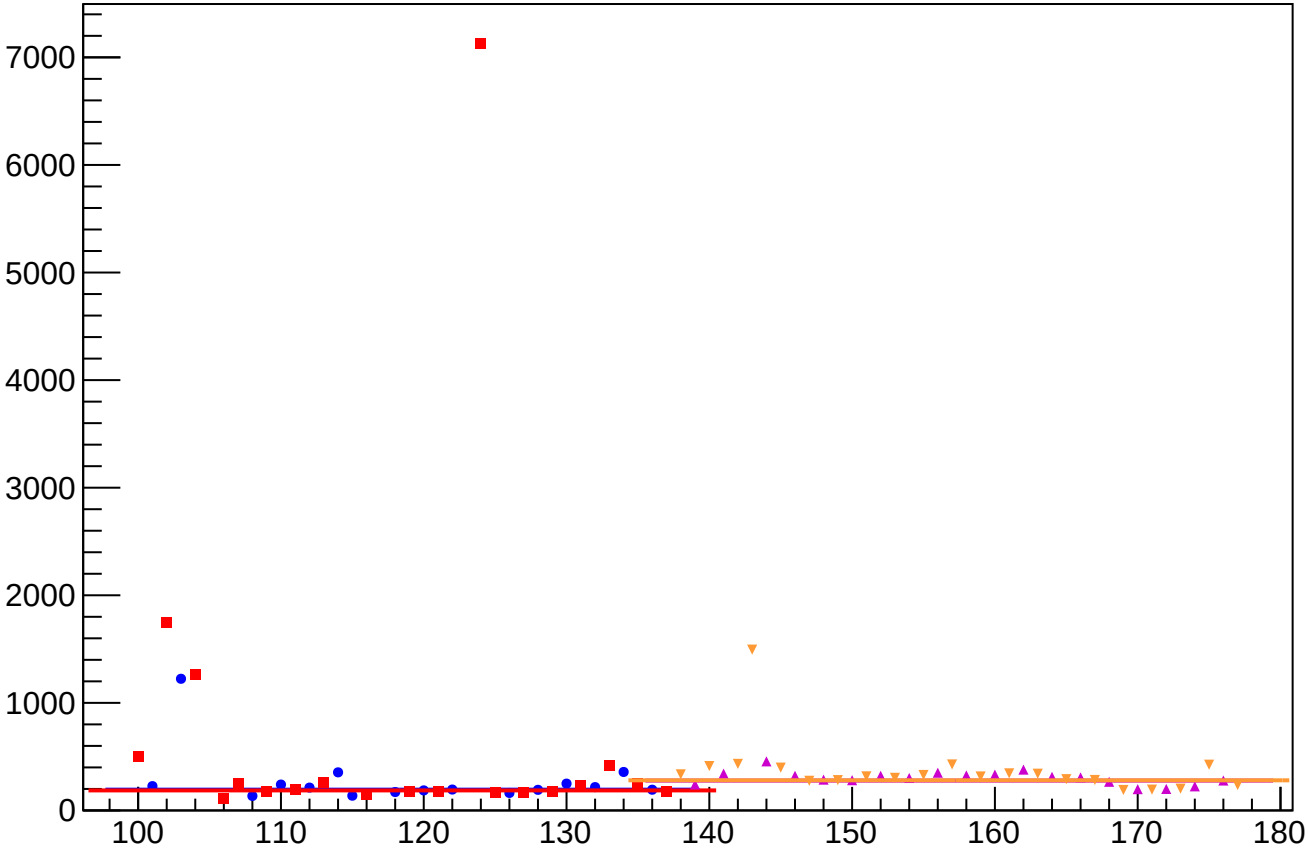
Left In: 0.072+/-0.074 χ^2/NDF:27.8/18

+ sign -0.016+/-0.053 χ^2/NDF: 35.2/36

All: -0.000+/-0.038 χ^2/NDF: 87.5/74

- sign 0.016+/-0.054 χ^2/NDF: 52.1/37

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 280.209+/-0.052 χ^2/NDF:3016063.9/20

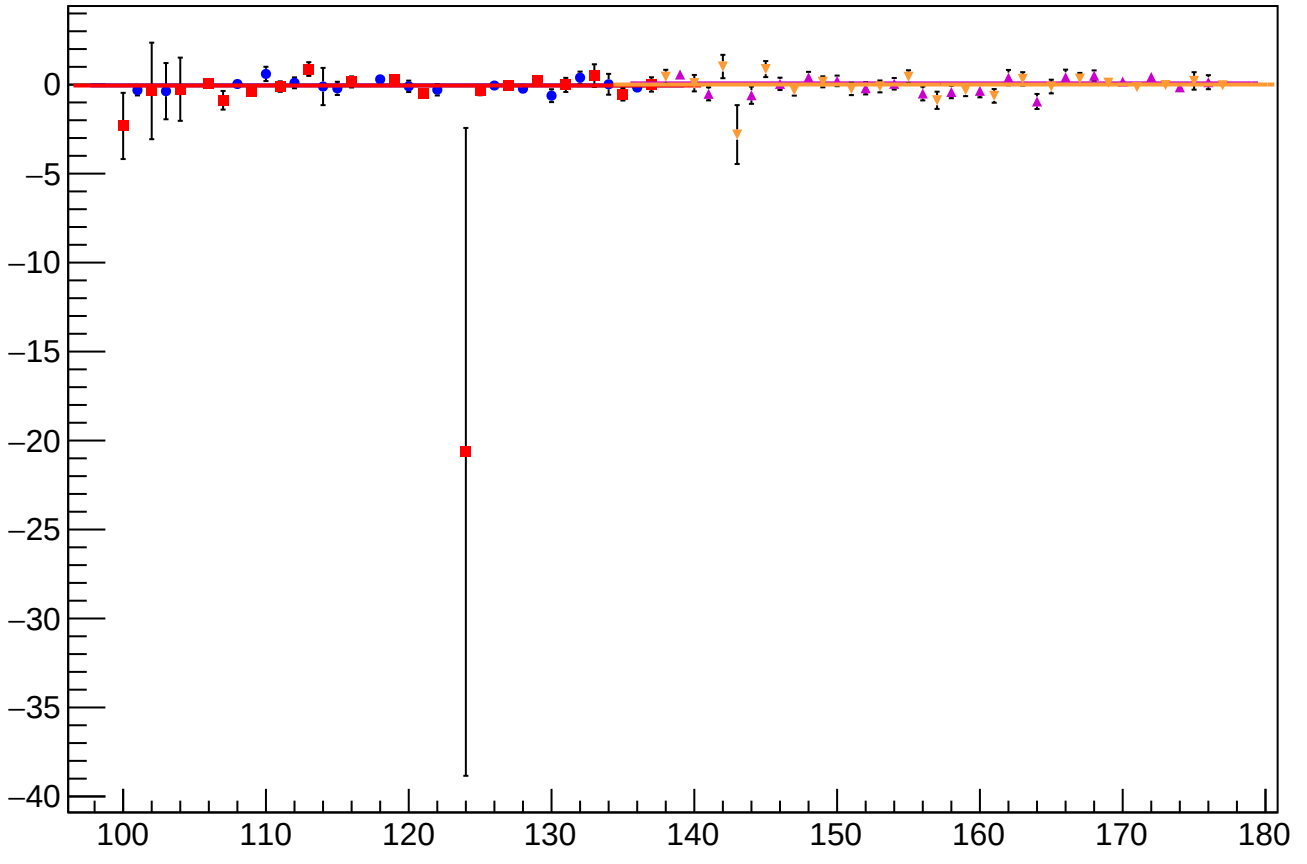
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.403+/-0.052 χ^2/NDF:1323466.9/18

+ sign 239.194+/-0.038 χ^2/NDF: 5746203.3/36

All: 237.099+/-0.027 χ^2/NDF: 10979986.4/74

- sign 234.973+/-0.038 χ^2/NDF: 5227580.7/37



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.007+/-0.073 χ^2/NDF:23.3/20

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

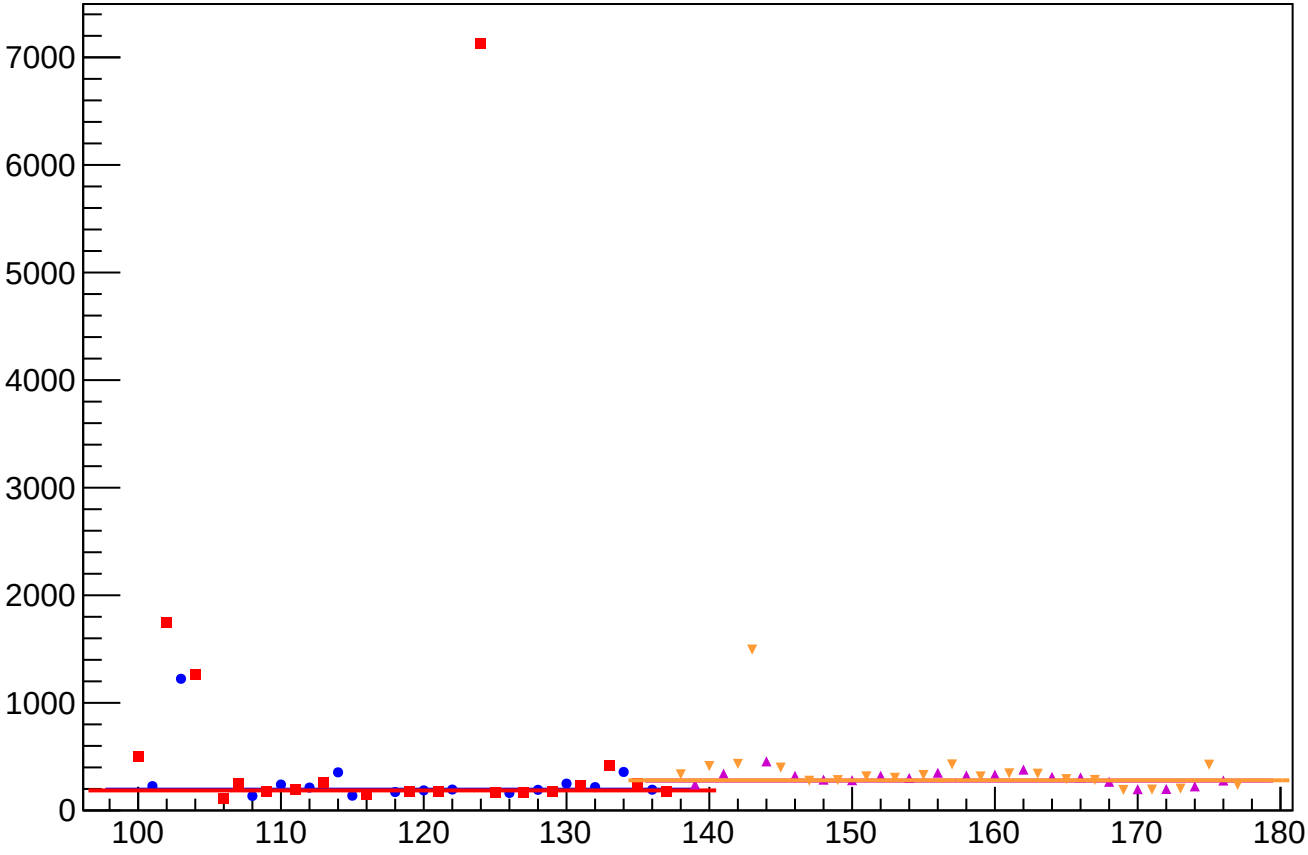
Left In: 0.072+/-0.074 χ^2/NDF:27.8/18

+ sign -0.016+/-0.053 χ^2/NDF: 35.2/36

All: -0.000+/-0.038 χ^2/NDF: 87.5/74

- sign 0.016+/-0.054 χ^2/NDF: 52.1/37

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: 280.209+/-0.052 χ^2/NDF:3016063.9/20

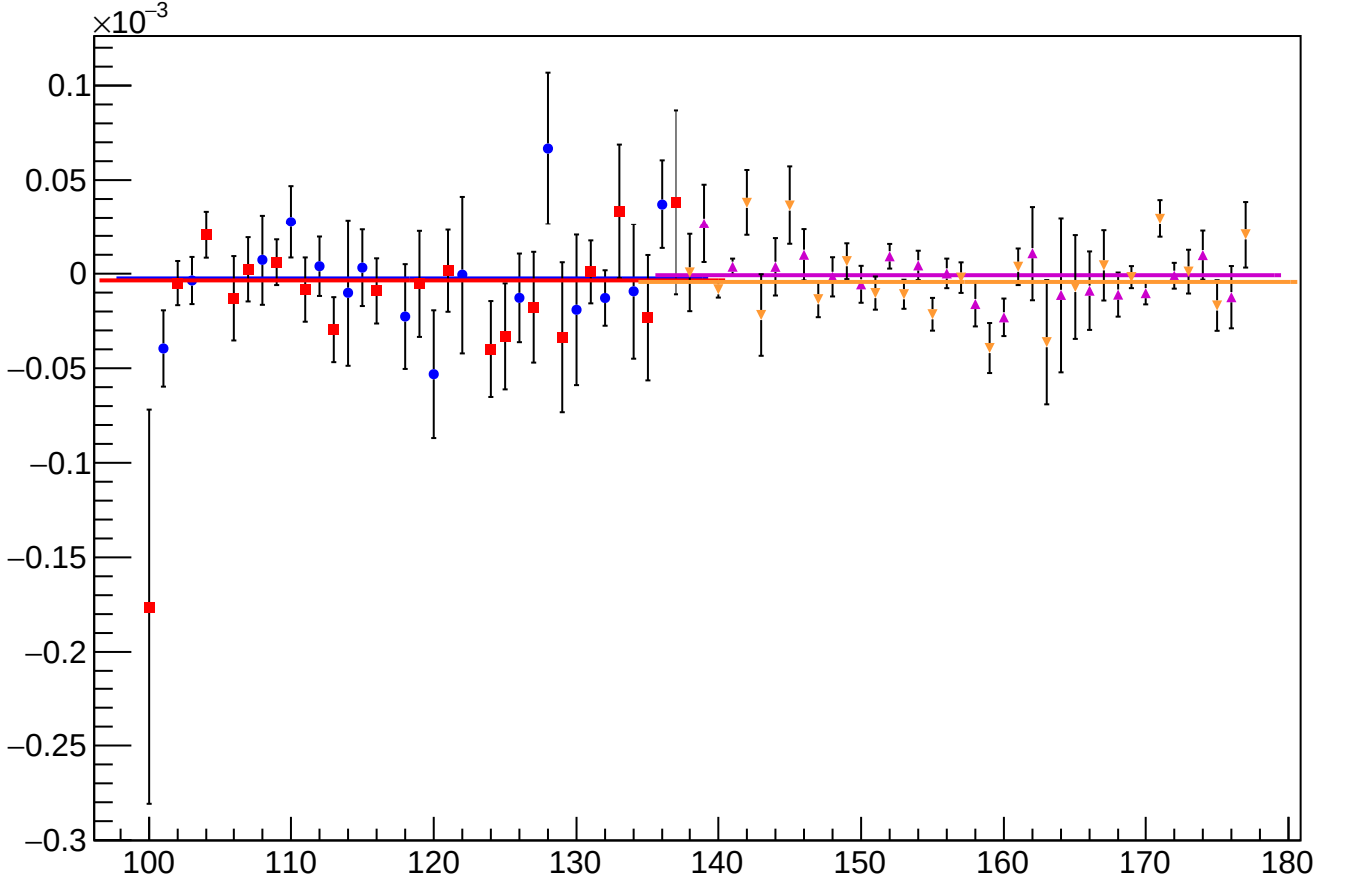
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.403+/-0.052 χ^2/NDF:1323466.9/18

+ sign 239.194+/-0.038 χ^2/NDF: 5746203.3/36

All: 237.099+/-0.027 χ^2/NDF: 10979986.4/74

- sign 234.973+/-0.038 χ^2/NDF: 5227580.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/20

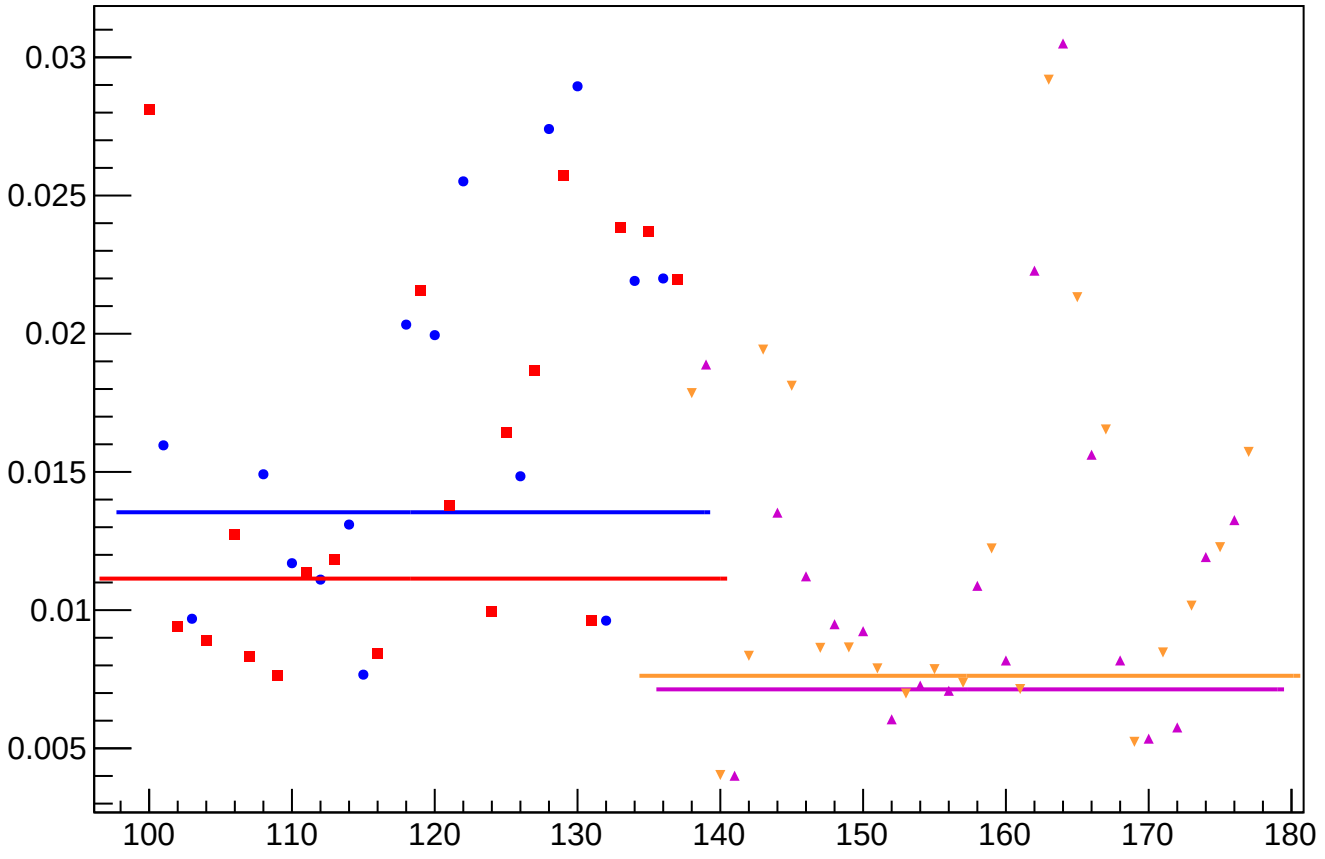
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/36

All: -0.000+/-0.000 χ^2/NDF: 94.5/74

- sign -0.000+/-0.000 χ^2/NDF: 34.9/37



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:6191938.0/20

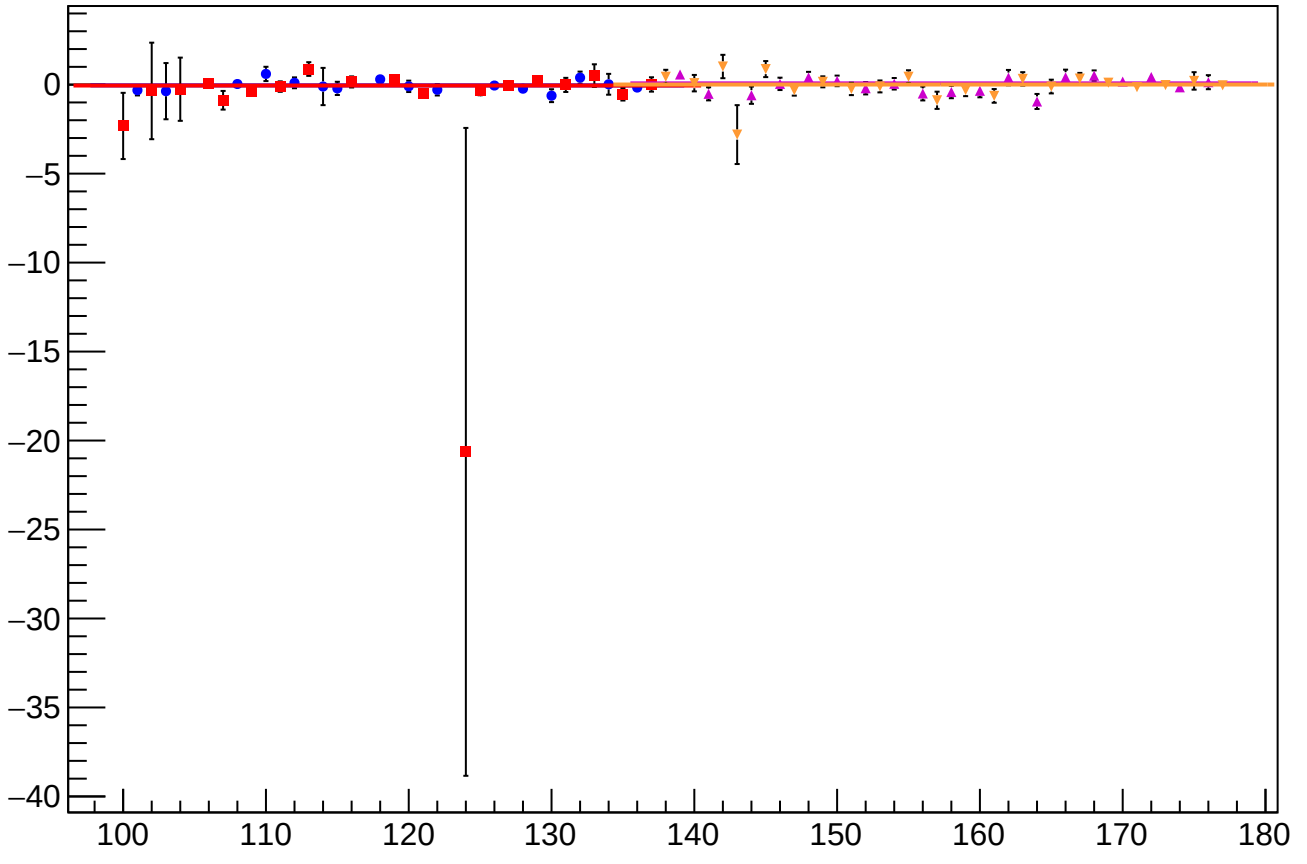
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:5282339.9/18

+ sign 0.008+/-0.000 χ^2/NDF: 10112173.7/36

All: 0.008+/-0.000 χ^2/NDF: 18691984.6/74

- sign 0.008+/-0.000 χ^2/NDF: 8495367.3/37



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.007+/-0.073 χ^2/NDF:23.3/20

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

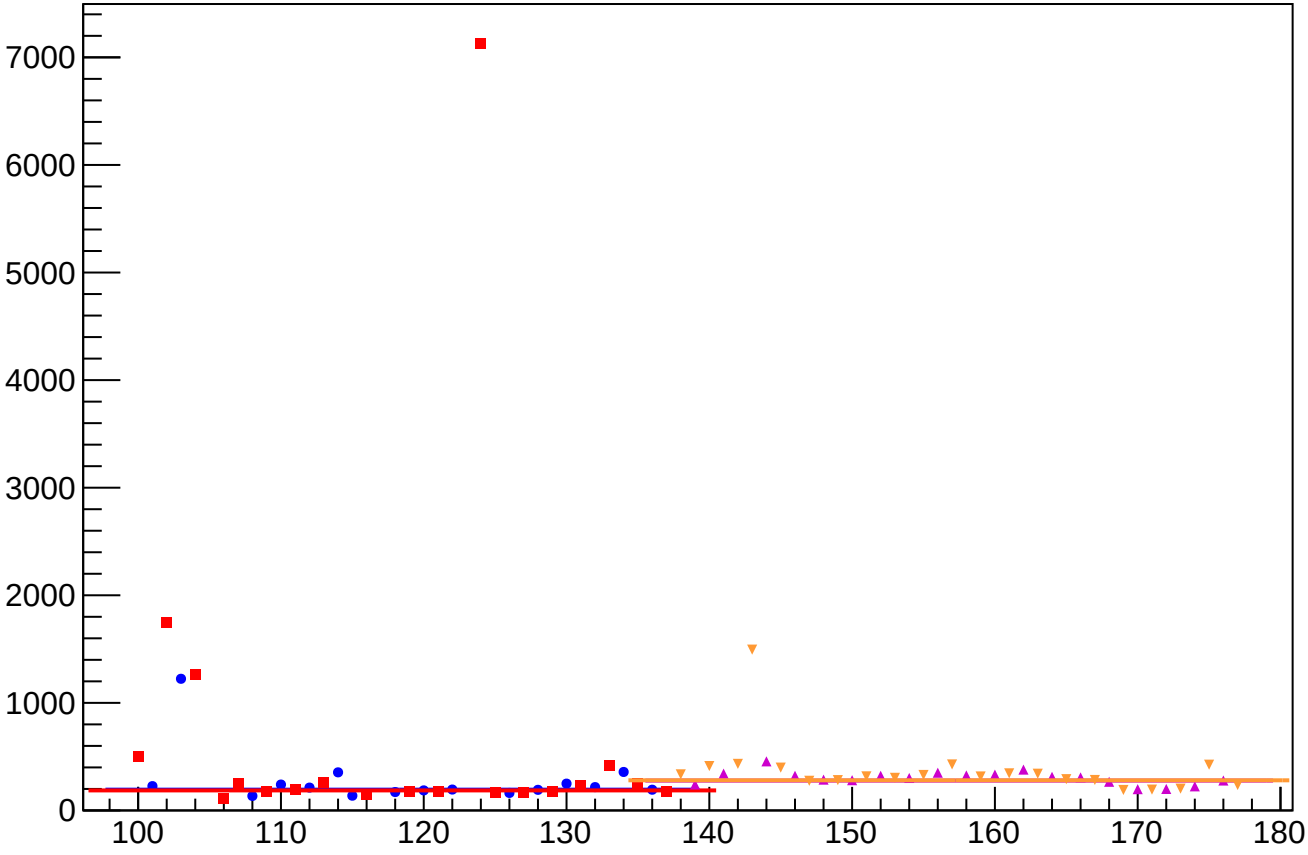
Left In: 0.072+/-0.074 χ^2/NDF:27.8/18

+ sign -0.016+/-0.053 χ^2/NDF: 35.2/36

All: -0.000+/-0.038 χ^2/NDF: 87.5/74

- sign 0.016+/-0.054 χ^2/NDF: 52.1/37

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: 280.211+/-0.052 χ^2/NDF:3016123.3/20

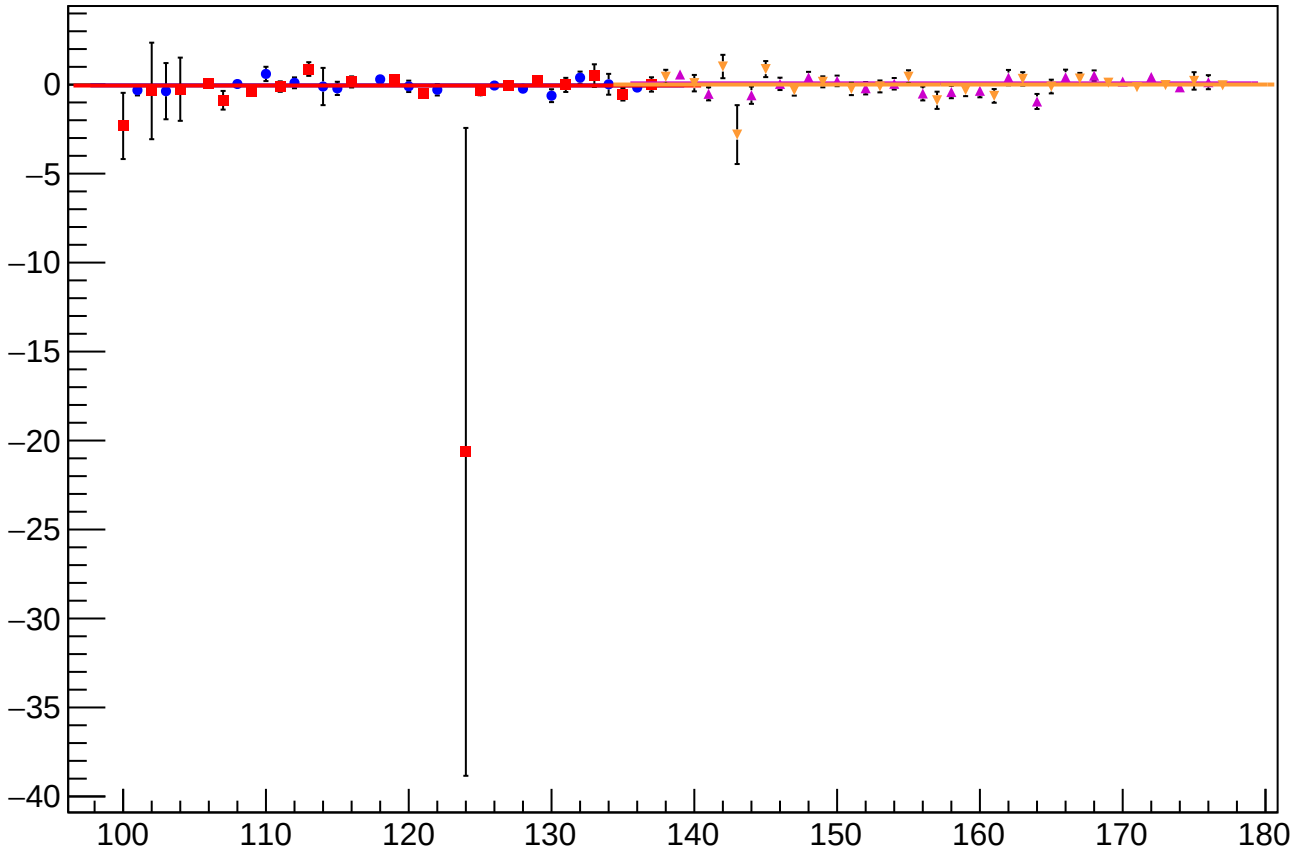
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.406+/-0.052 χ^2/NDF:1323517.7/18

+ sign 239.194+/-0.038 χ^2/NDF: 5746378.3/36

All: 237.099+/-0.027 χ^2/NDF: 10980394.1/74

- sign 234.973+/-0.038 χ^2/NDF: 5227811.9/37



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.007+/-0.073 χ^2/NDF:23.3/20

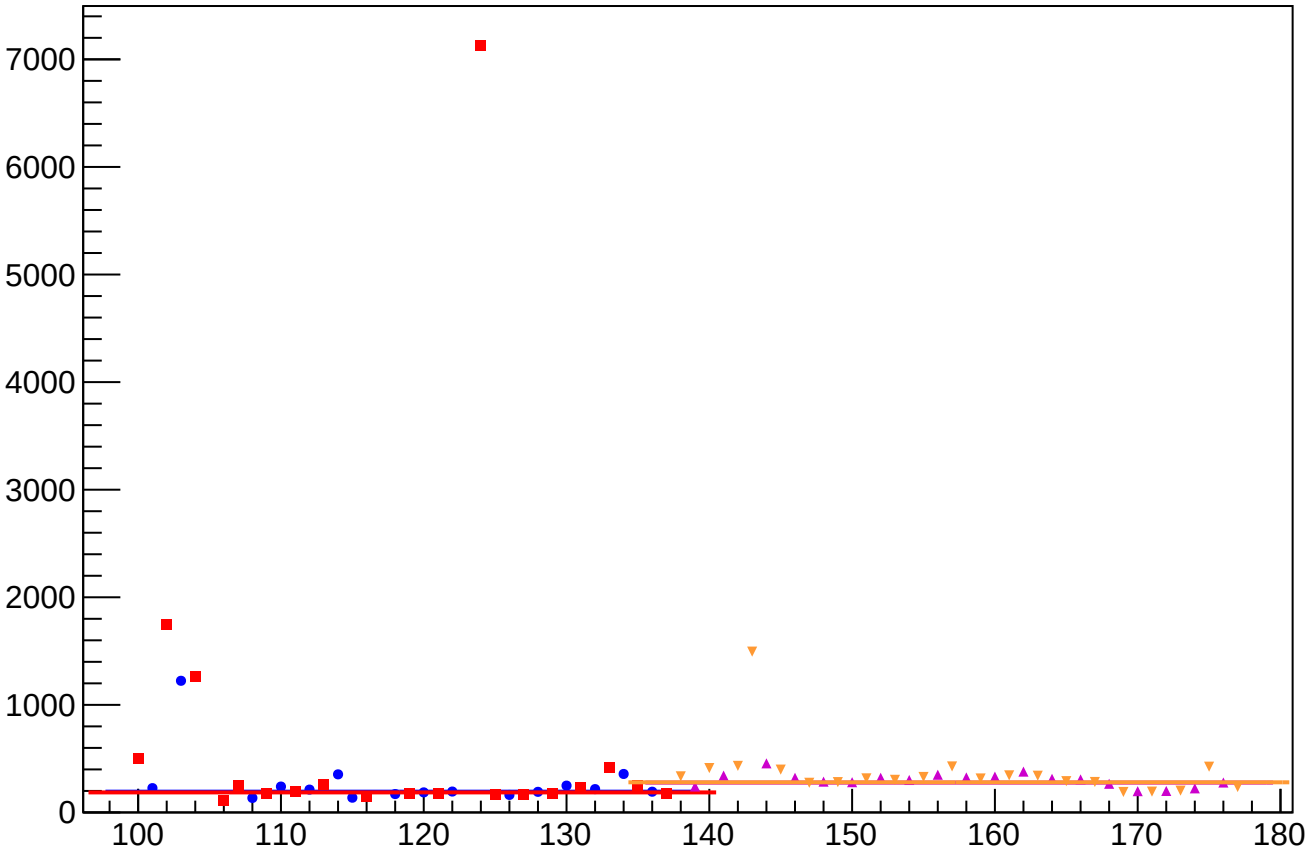
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.072+/-0.074 χ^2/NDF:27.8/18

+ sign -0.016+/-0.053 χ^2/NDF: 35.2/36

All: -0.000+/-0.038 χ^2/NDF: 87.5/74

- sign 0.016+/-0.054 χ^2/NDF: 52.1/37



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 280.211+/-0.052 χ^2/NDF:3016123.3/20

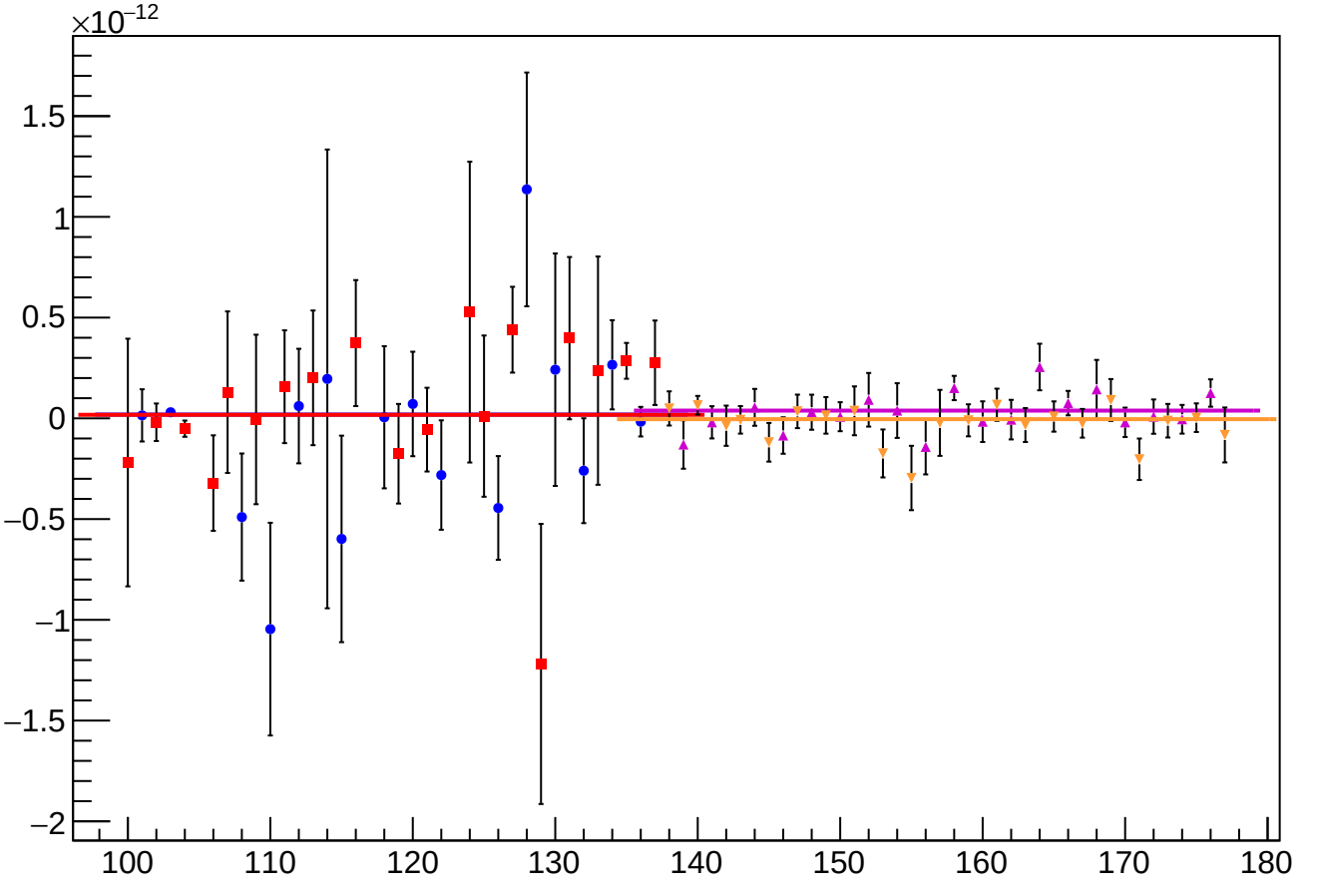
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.406+/-0.052 χ^2/NDF:1323517.7/18

+ sign 239.194+/-0.038 χ^2/NDF: 5746378.3/36

All: 237.099+/-0.027 χ^2/NDF: 10980394.1/74

- sign 234.973+/-0.038 χ^2/NDF: 5227811.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/20

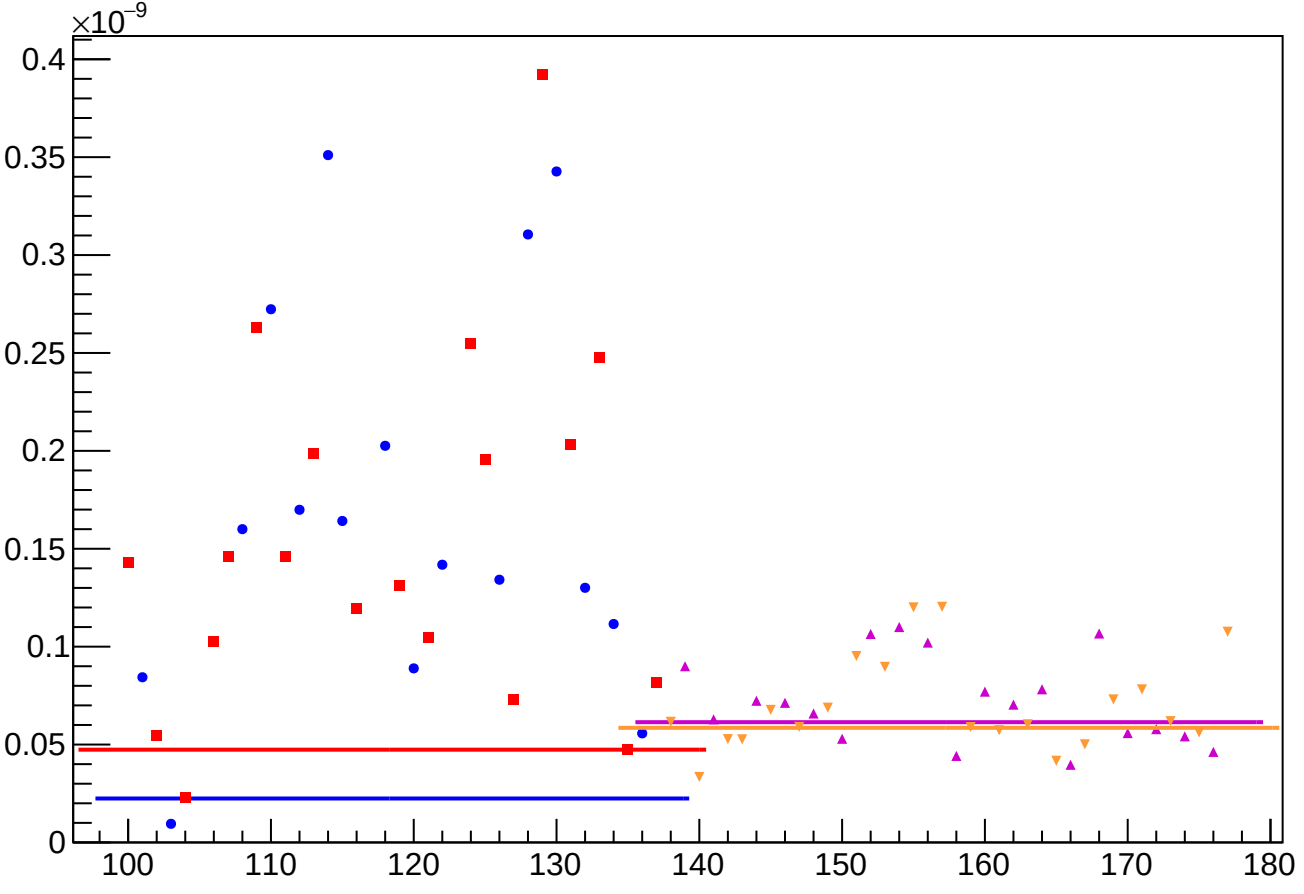
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/36

All: 0.000+/-0.000 χ^2/NDF: 82.5/74

- sign 0.000+/-0.000 χ^2/NDF: 45.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2060739.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

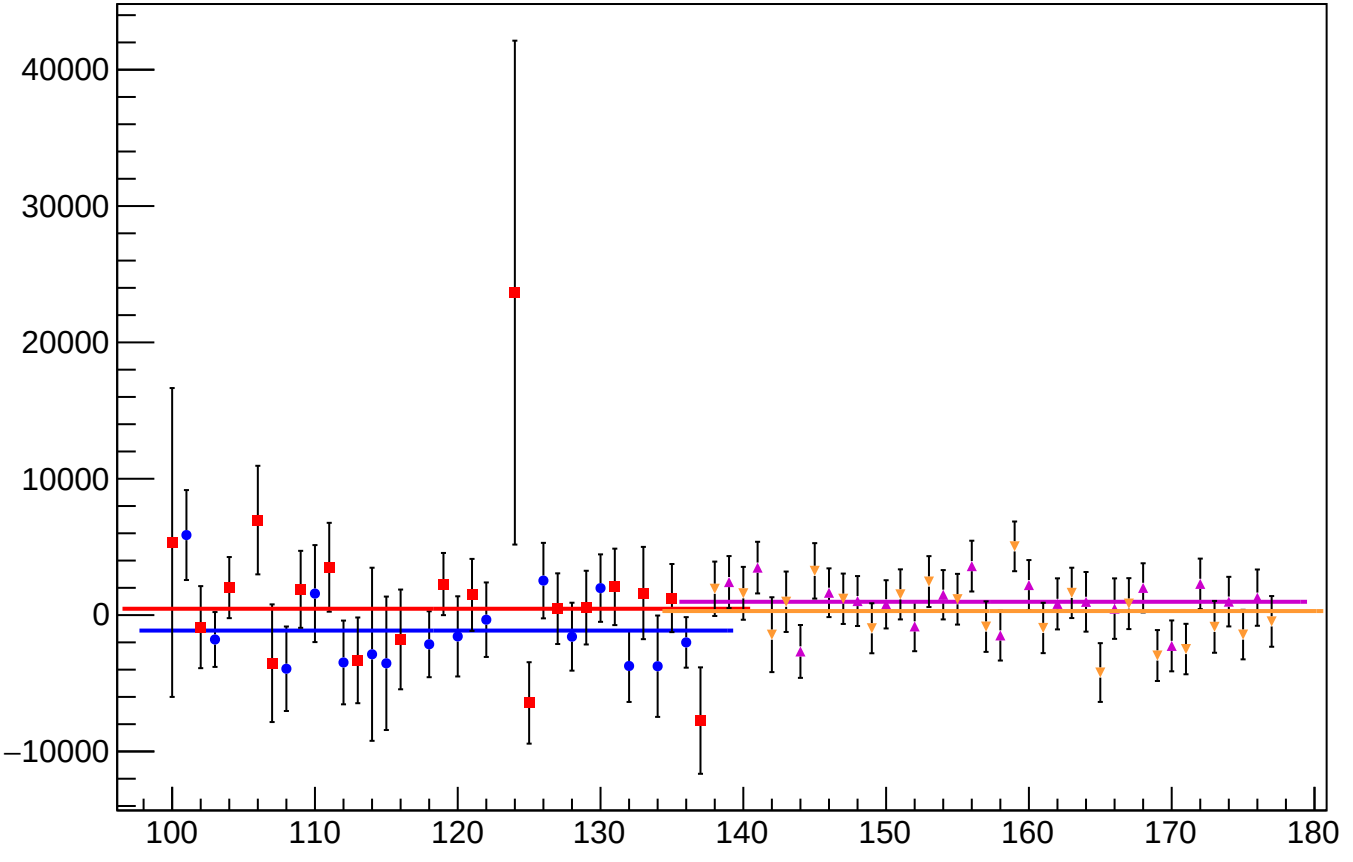
Left In: 0.000+/-0.000 χ^2/NDF:1716071.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 11869874.9/36

All: 0.000+/-0.000 χ^2/NDF: 19070789.7/74

- sign 0.000+/-0.000 χ^2/NDF: 6240876.9/37

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 295.882+/-419.283 χ^2/NDF:25.8/20

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

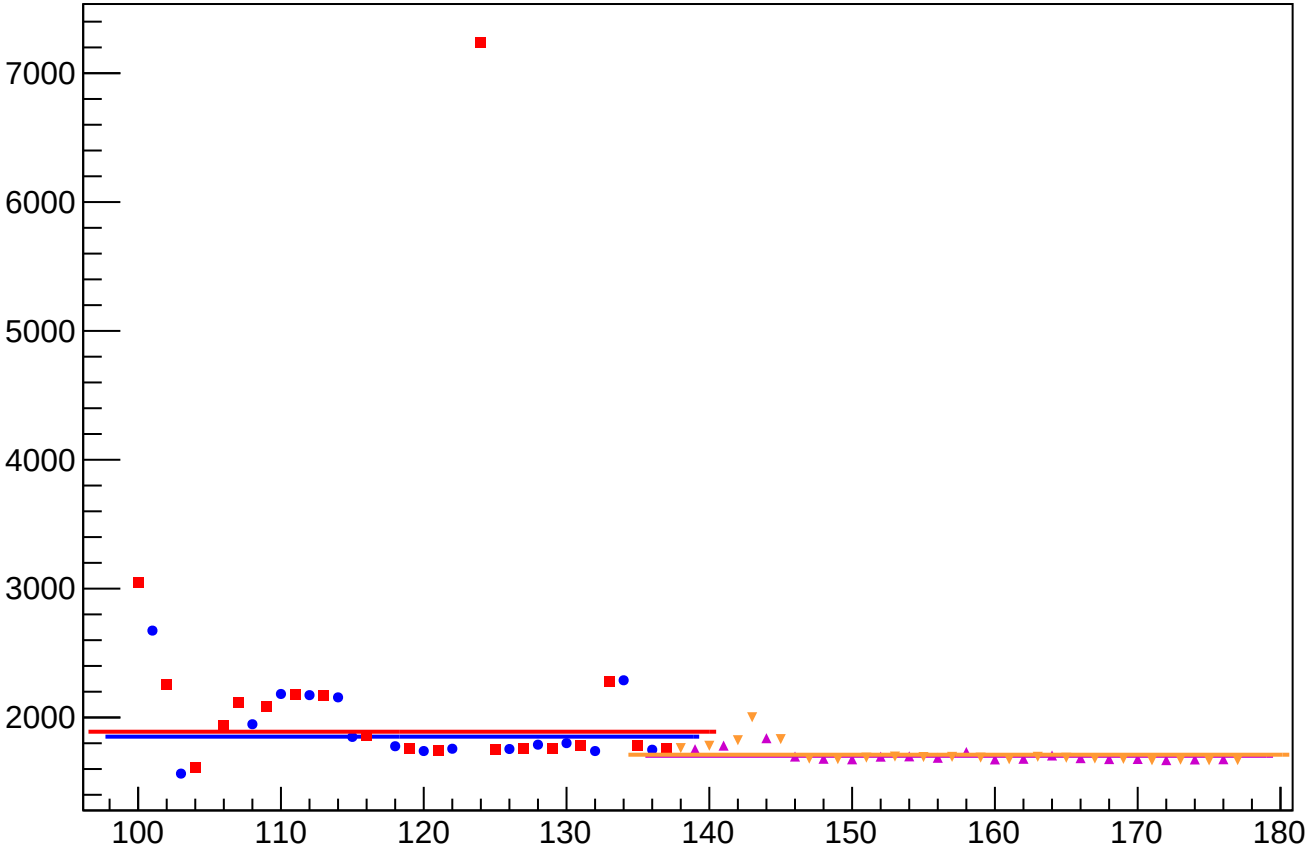
Left In: 976.751+/-431.972 χ^2/NDF:15.2/18

+ sign -86.813+/-358.842 χ^2/NDF: 41.1/36

All: 363.108+/-257.073 χ^2/NDF: 79.9/74

- sign 837.473+/-368.461 χ^2/NDF: 35.6/37

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1711.042+/-0.296 χ^2/NDF:57466.8/20

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

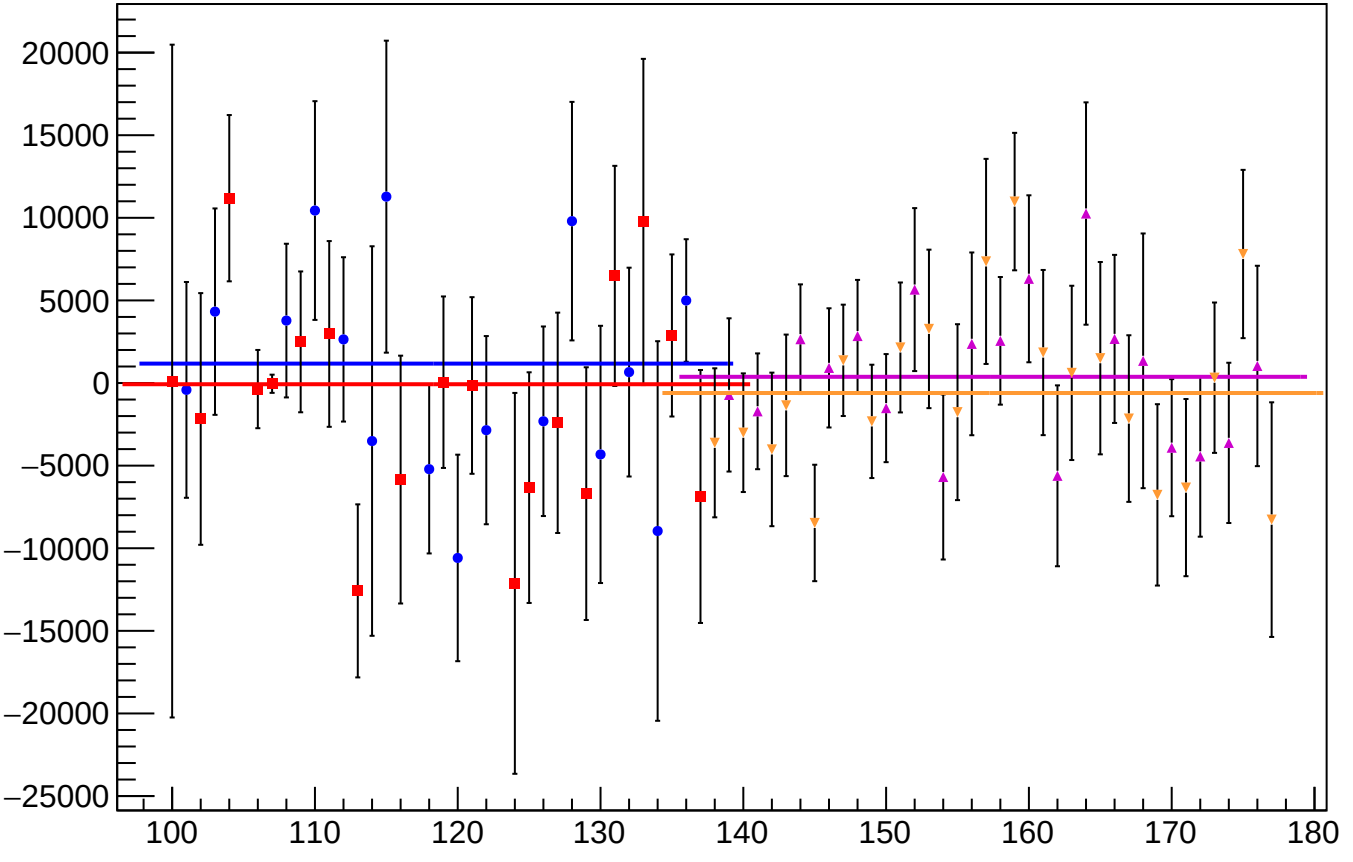
Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

+ sign 1748.519+/-0.254 χ^2/NDF: 377176.5/36

All: 1750.990+/-0.182 χ^2/NDF: 858284.1/74

- sign 1753.592+/-0.260 χ^2/NDF: 480912.9/37

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -603.909+/-986.445 χ^2/NDF:24.5/20

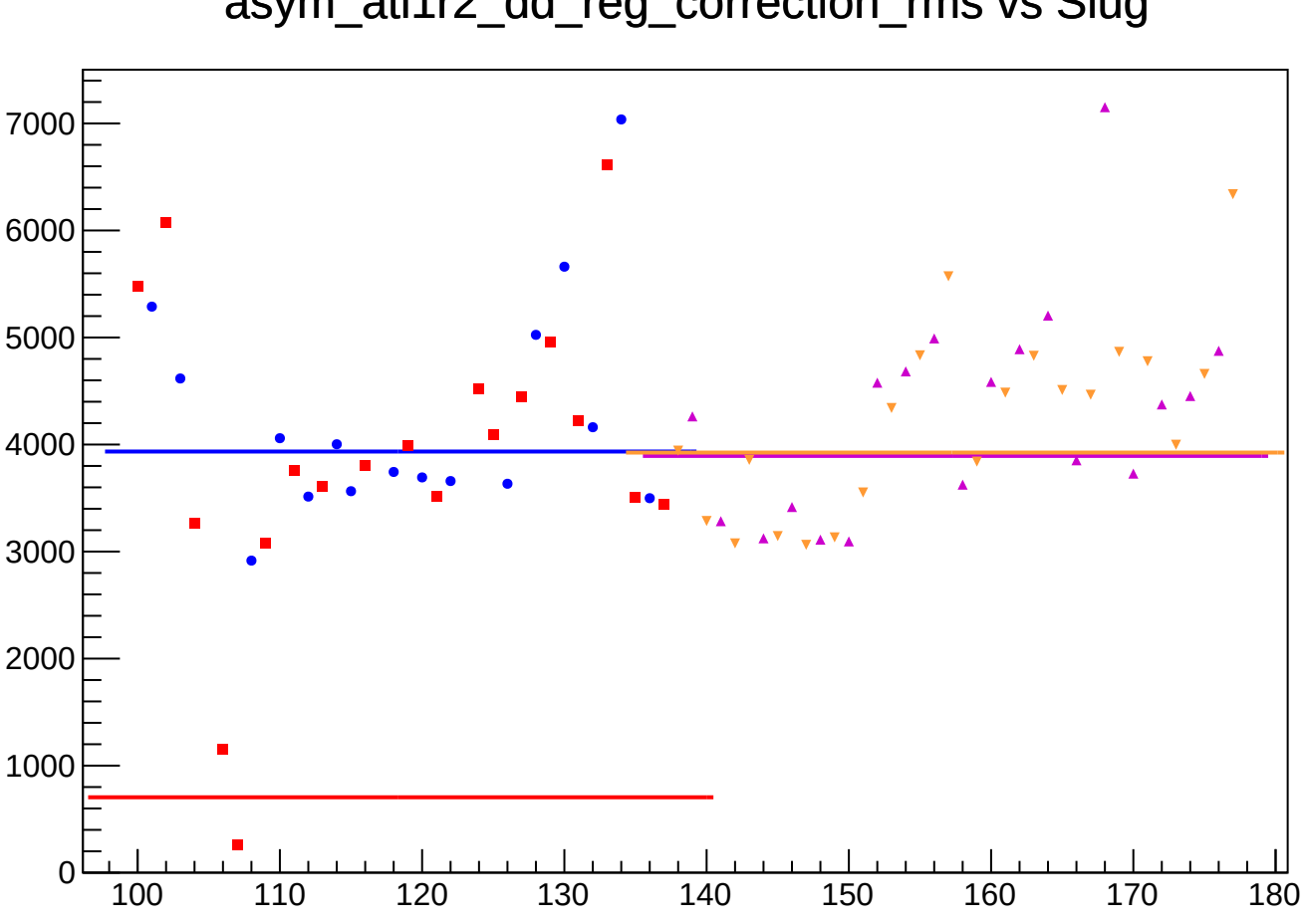
Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: 376.234+/-1011.791 χ^2/NDF:12.5/18

+ sign -67.774+/-824.546 χ^2/NDF: 39.2/36

All: -2.577+/-396.584 χ^2/NDF: 69.8/74

- sign 17.044+/-452.342 χ^2/NDF: 30.6/37



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3925.039+/-0.698 χ^2/NDF:1208643.1/20

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

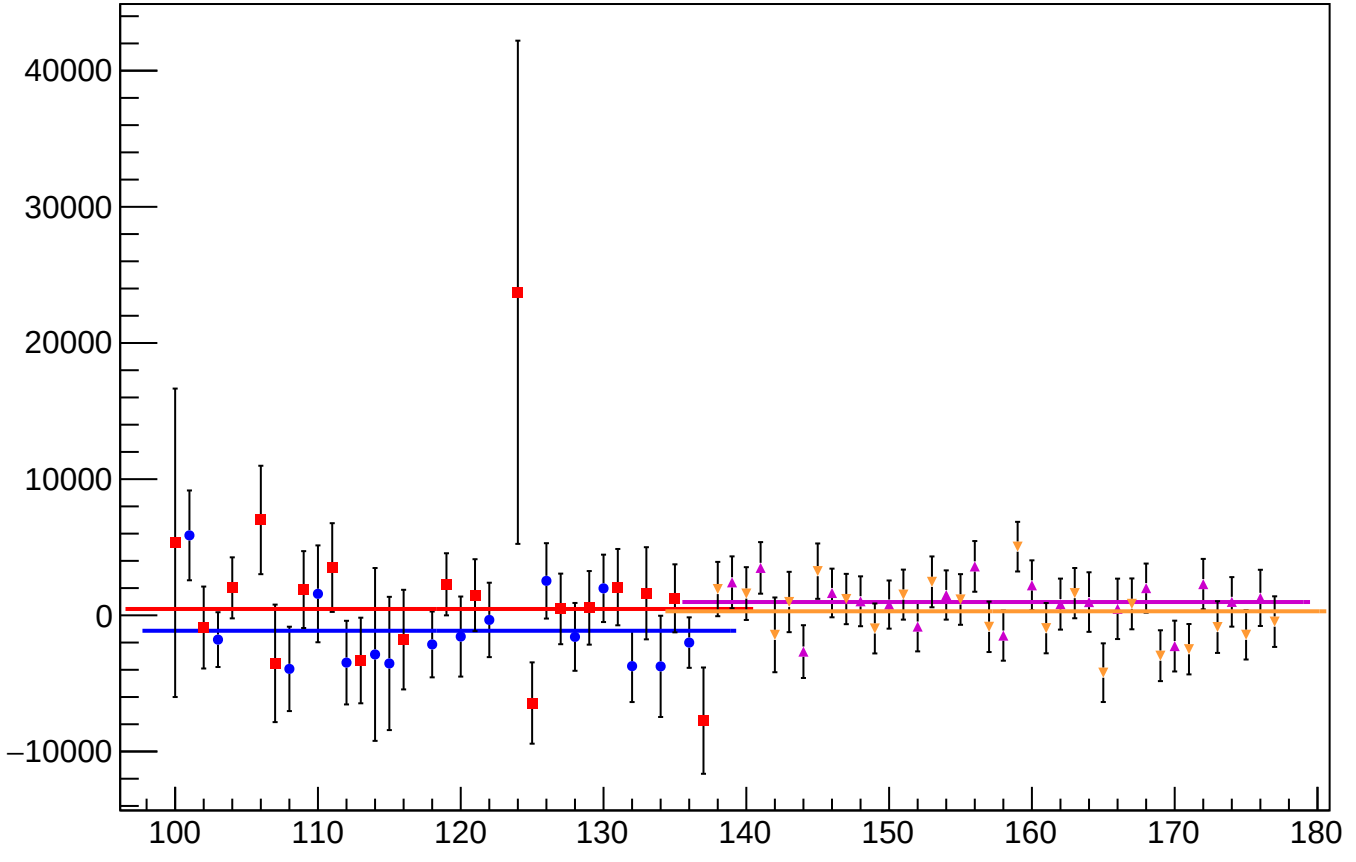
Left In: 3893.678+/-0.715 χ^2/NDF:1257119.5/18

+ sign 3927.955+/-0.583 χ^2/NDF: 1768826.7/36

All: 1940.095+/-0.280 χ^2/NDF: 44667461.5/7

- sign 1341.835+/-0.320 χ^2/NDF: 27775738.6/37

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 295.918+/-419.283 χ^2/NDF:25.8/20

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

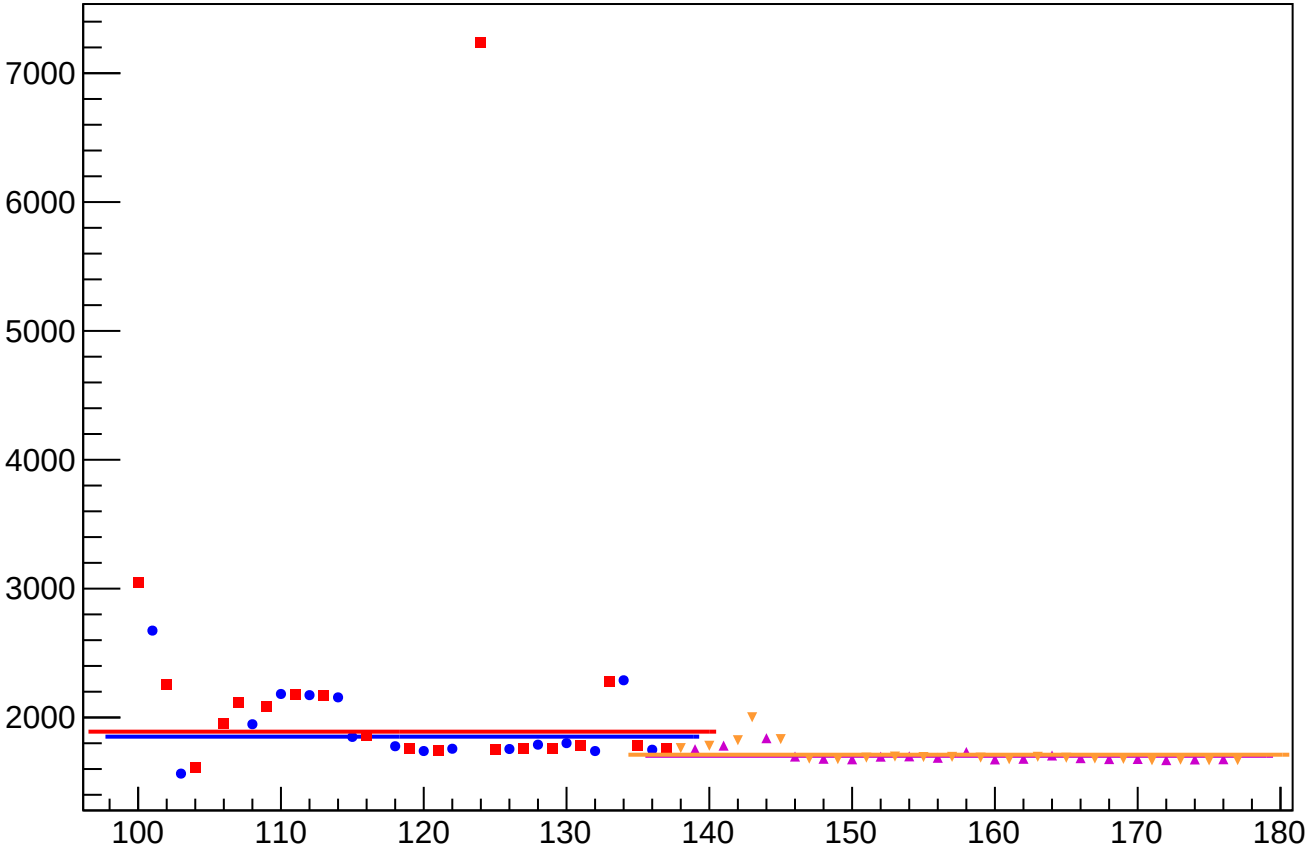
Left In: 976.651+/-431.972 χ^2/NDF:15.2/18

+ sign -86.673+/-358.842 χ^2/NDF: 41.1/36

All: 363.195+/-257.073 χ^2/NDF: 80.0/74

- sign 837.504+/-368.461 χ^2/NDF: 35.6/37

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1711.042+/-0.296 χ^2/NDF:57466.8/20

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

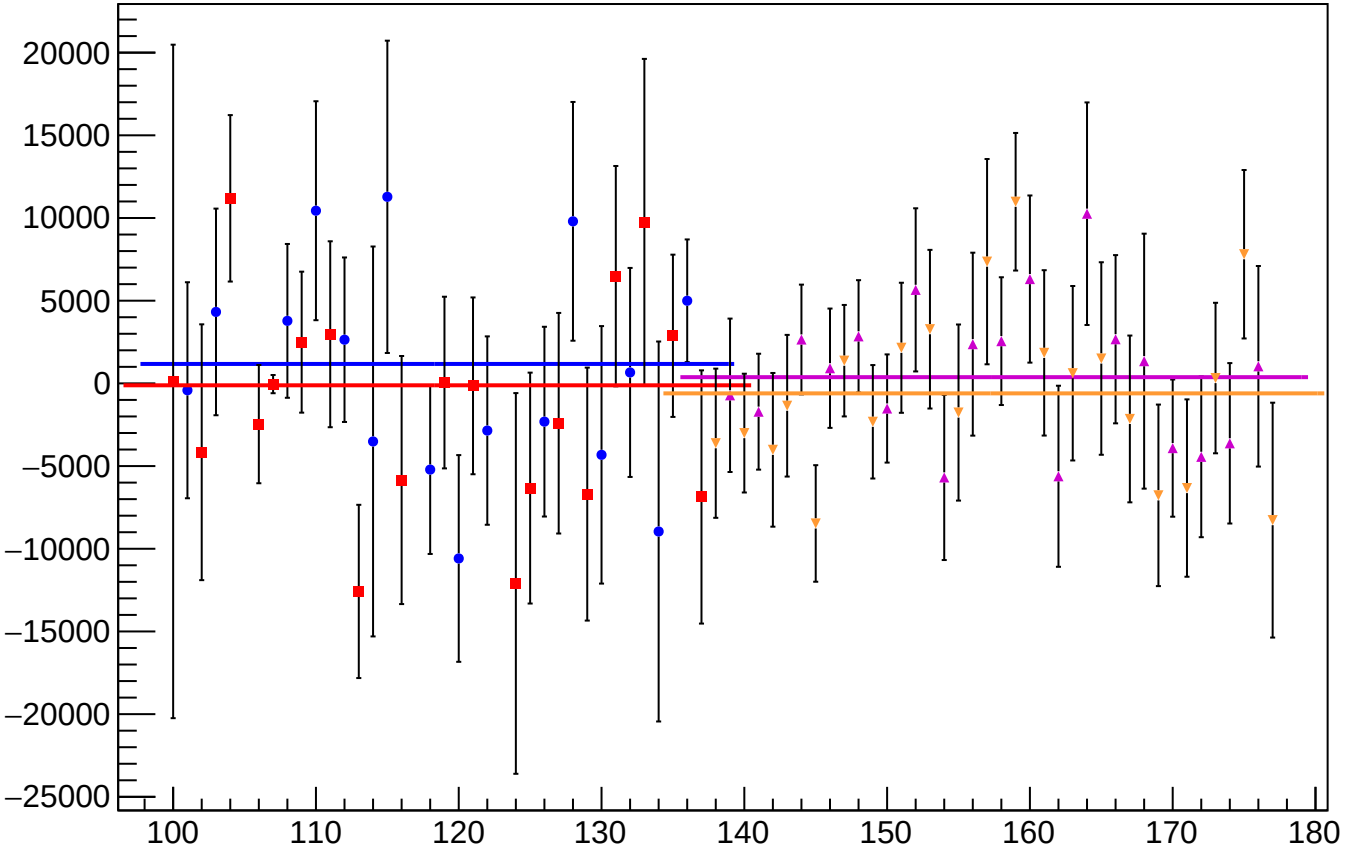
Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

+ sign 1748.519+/-0.254 χ^2/NDF: 377176.0/36

All: 1751.043+/-0.182 χ^2/NDF: 858980.6/74

- sign 1753.700+/-0.260 χ^2/NDF: 481601.6/37

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -603.925+/-986.443 χ^2/NDF:24.5/20

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

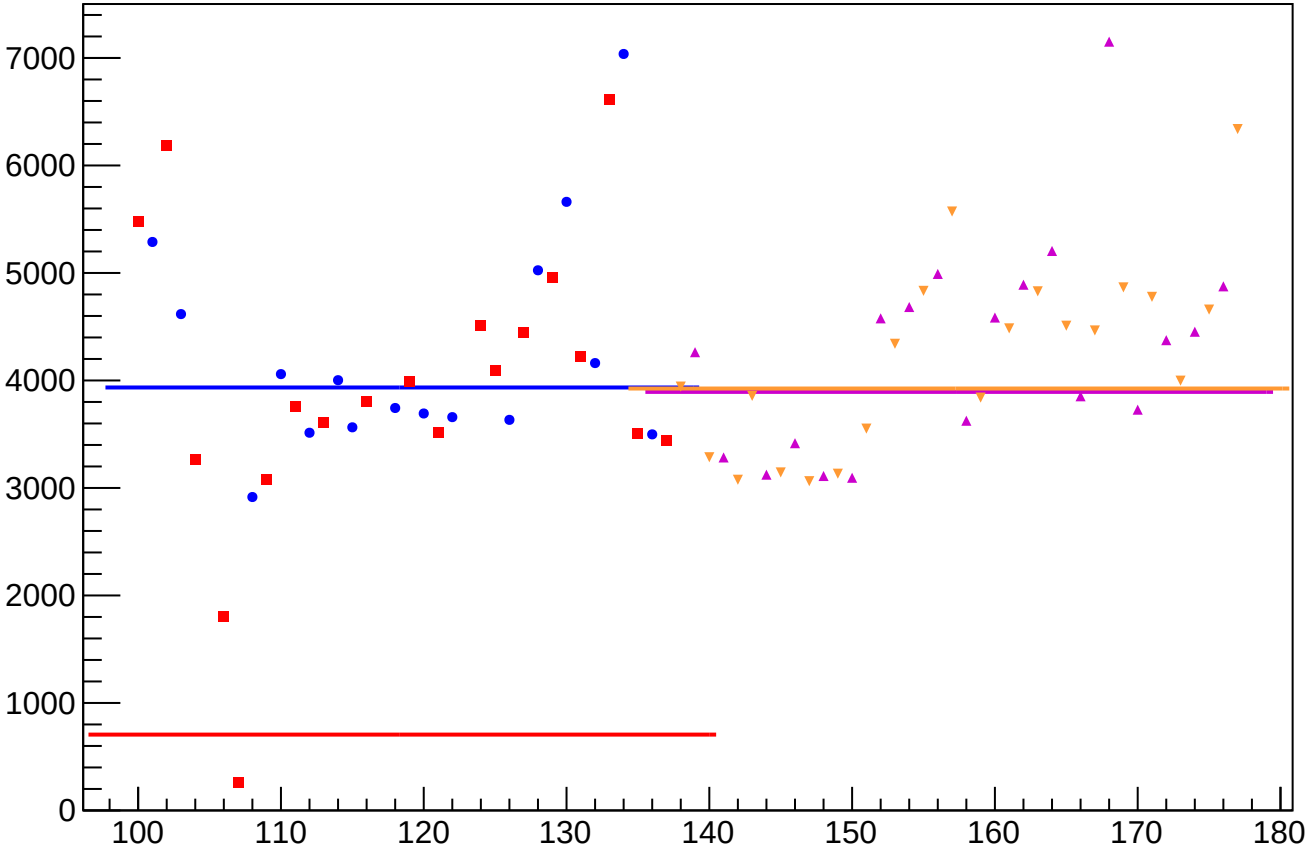
Left In: 376.202+/-1011.791 χ^2/NDF:12.5/18

+ sign -67.796+/-824.545 χ^2/NDF: 39.2/36

All: -27.792+/-399.742 χ^2/NDF: 70.5/74

- sign -15.500+/-457.044 χ^2/NDF: 31.3/37

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3925.029+/-0.698 χ^2/NDF:1208653.2/20

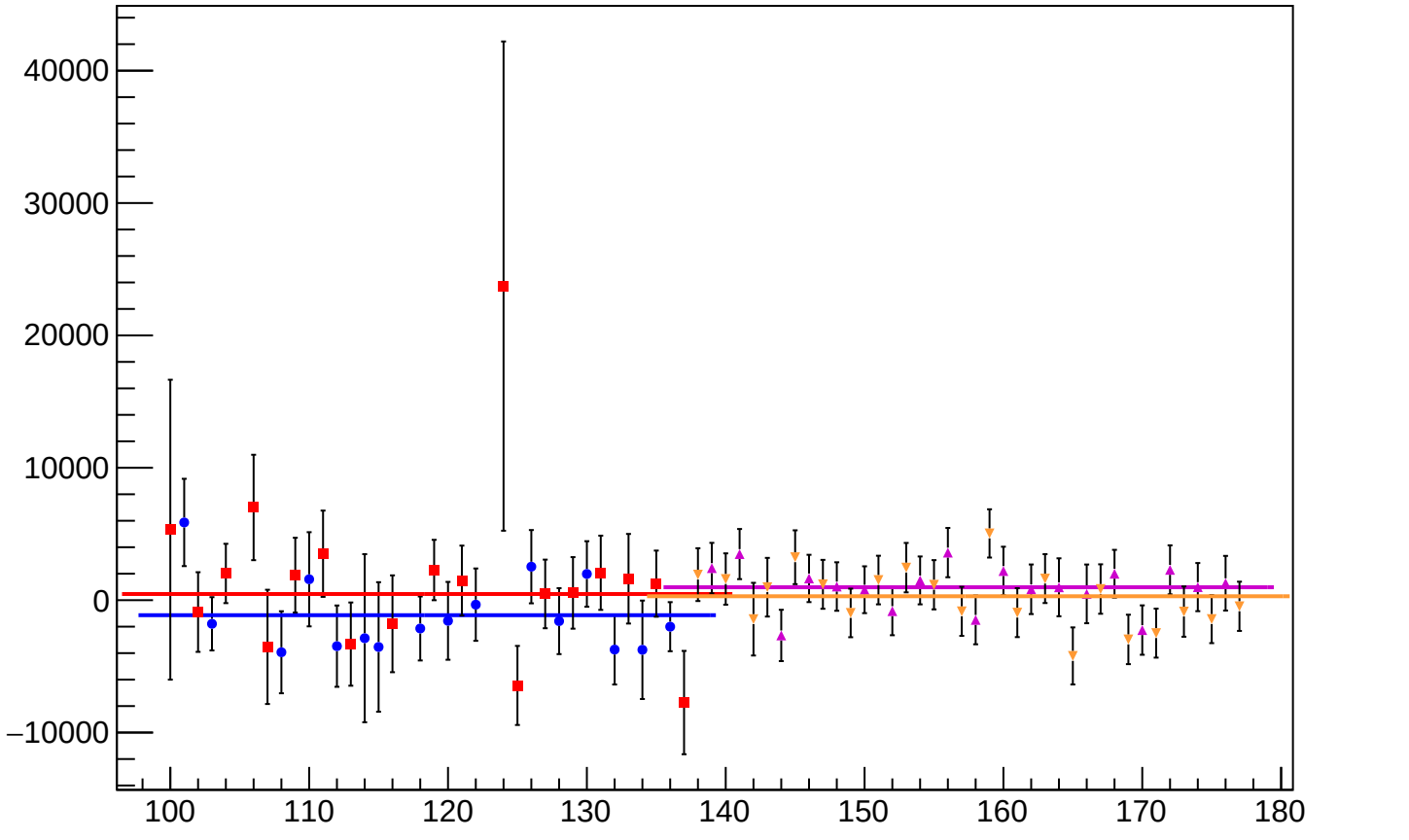
Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3893.677+/-0.715 χ^2/NDF:1257104.5/18

+ sign 3927.951+/-0.583 χ^2/NDF: 1768861.3/36

All: 1960.602+/-0.283 χ^2/NDF: 44461951.6/7

- sign 1356.141+/-0.323 χ^2/NDF: 27809037.7/37



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 295.918+/-419.283 χ^2/NDF:25.8/20

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

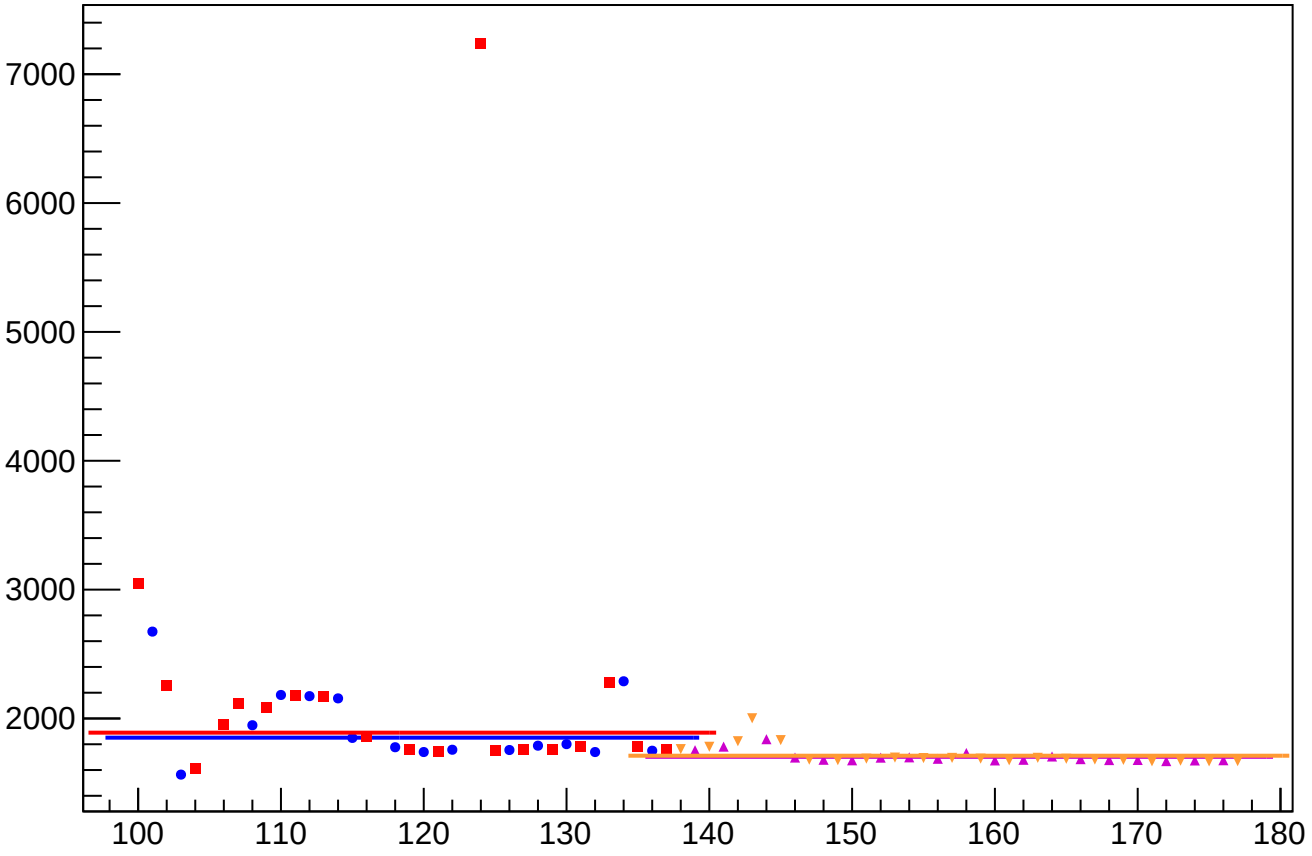
Left In: 976.651+/-431.972 χ^2/NDF:15.2/18

+ sign -86.673+/-358.842 χ^2/NDF: 41.1/36

All: 363.195+/-257.073 χ^2/NDF: 80.0/74

- sign 837.504+/-368.461 χ^2/NDF: 35.6/37

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1711.042+/-0.296 χ^2/NDF:57466.8/20

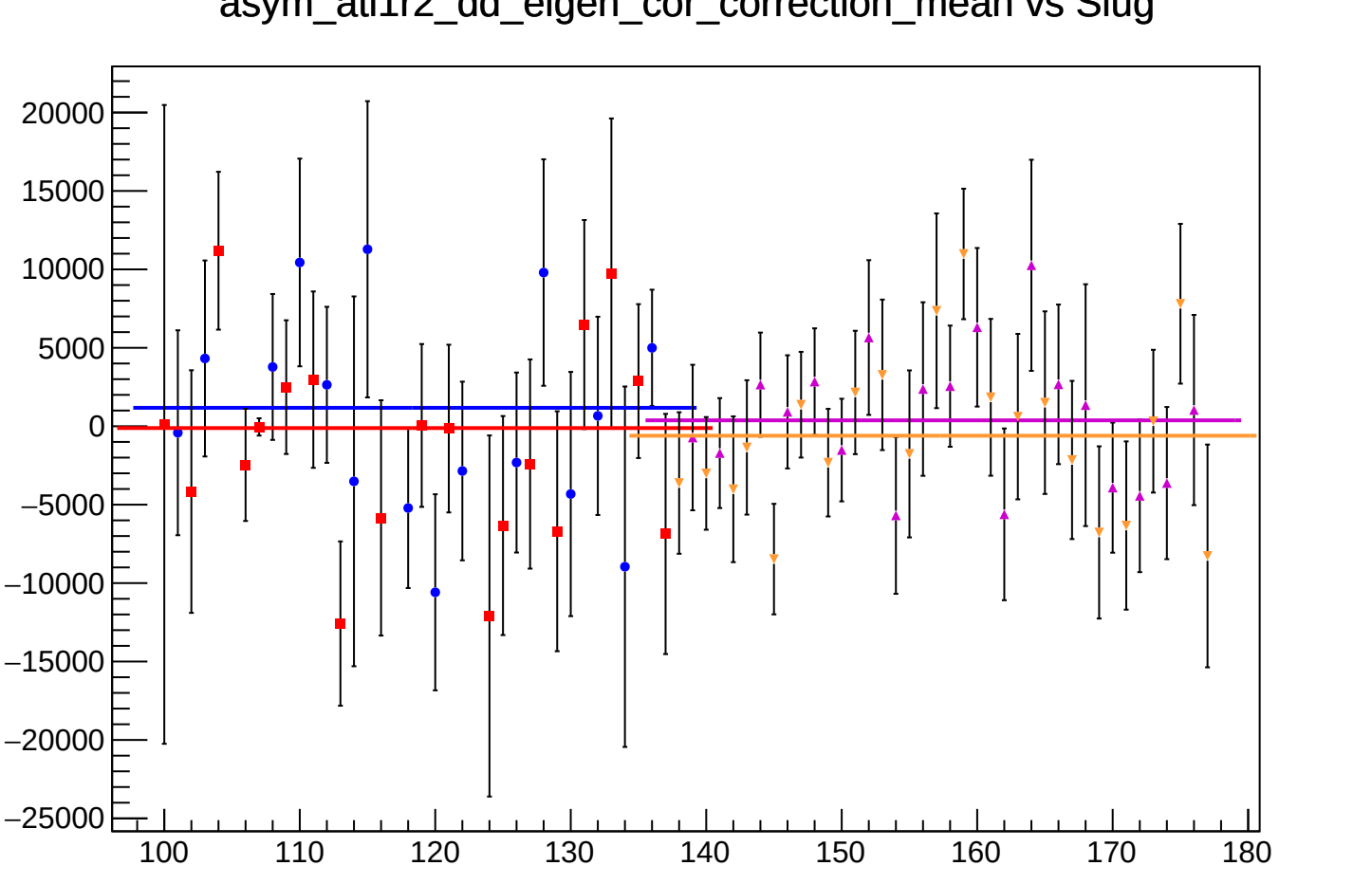
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

+ sign 1748.519+/-0.254 χ^2/NDF: 377176.0/36

All: 1751.043+/-0.182 χ^2/NDF: 858980.6/74

- sign 1753.700+/-0.260 χ^2/NDF: 481601.6/37



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -603.925+/-986.443 χ^2/NDF:24.5/20

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

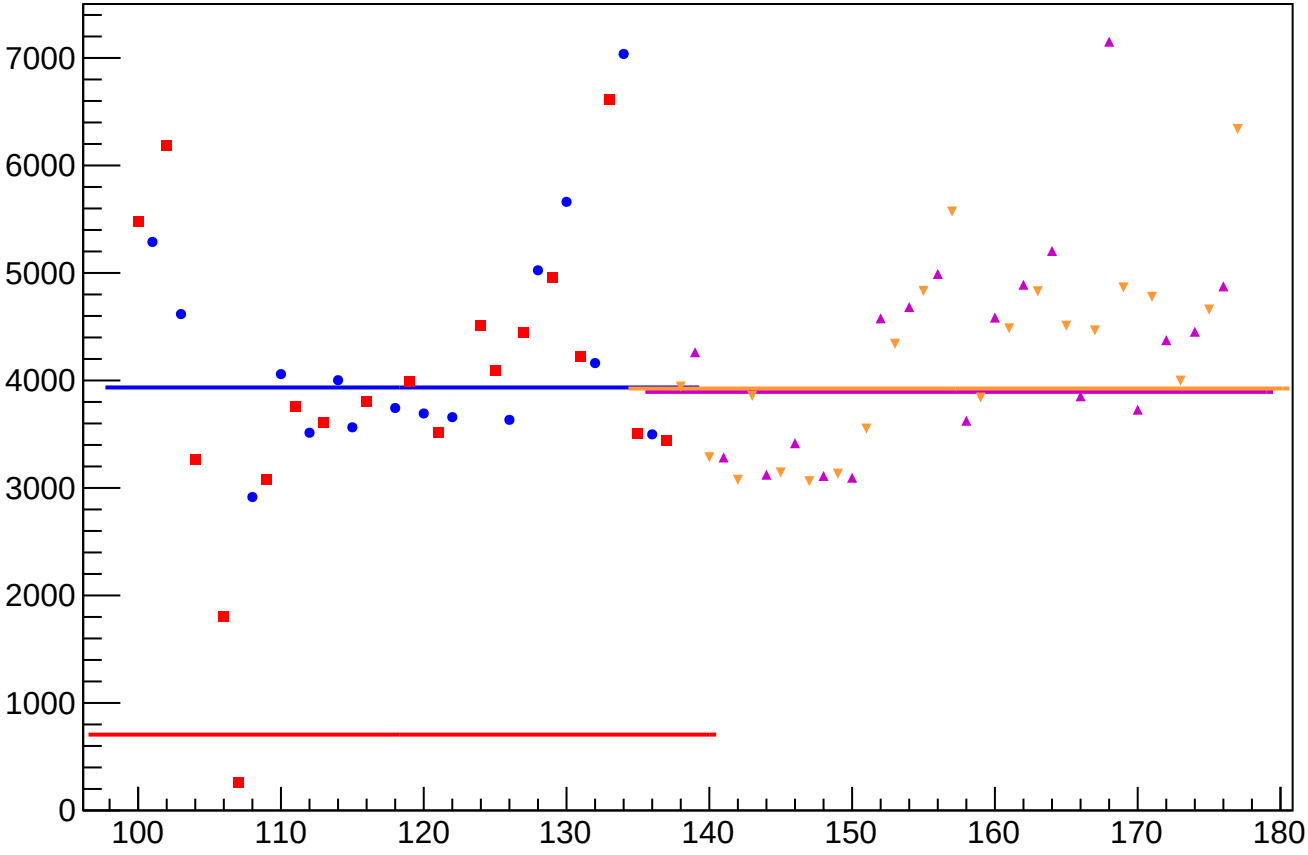
Left In: 376.202+/-1011.791 χ^2/NDF:12.5/18

+ sign -67.796+/-824.545 χ^2/NDF: 39.2/36

All: -27.792+/-399.742 χ^2/NDF: 70.5/74

- sign -15.500+/-457.044 χ^2/NDF: 31.3/37

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3925.029+/-0.698 χ^2/NDF:1208653.2/20

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

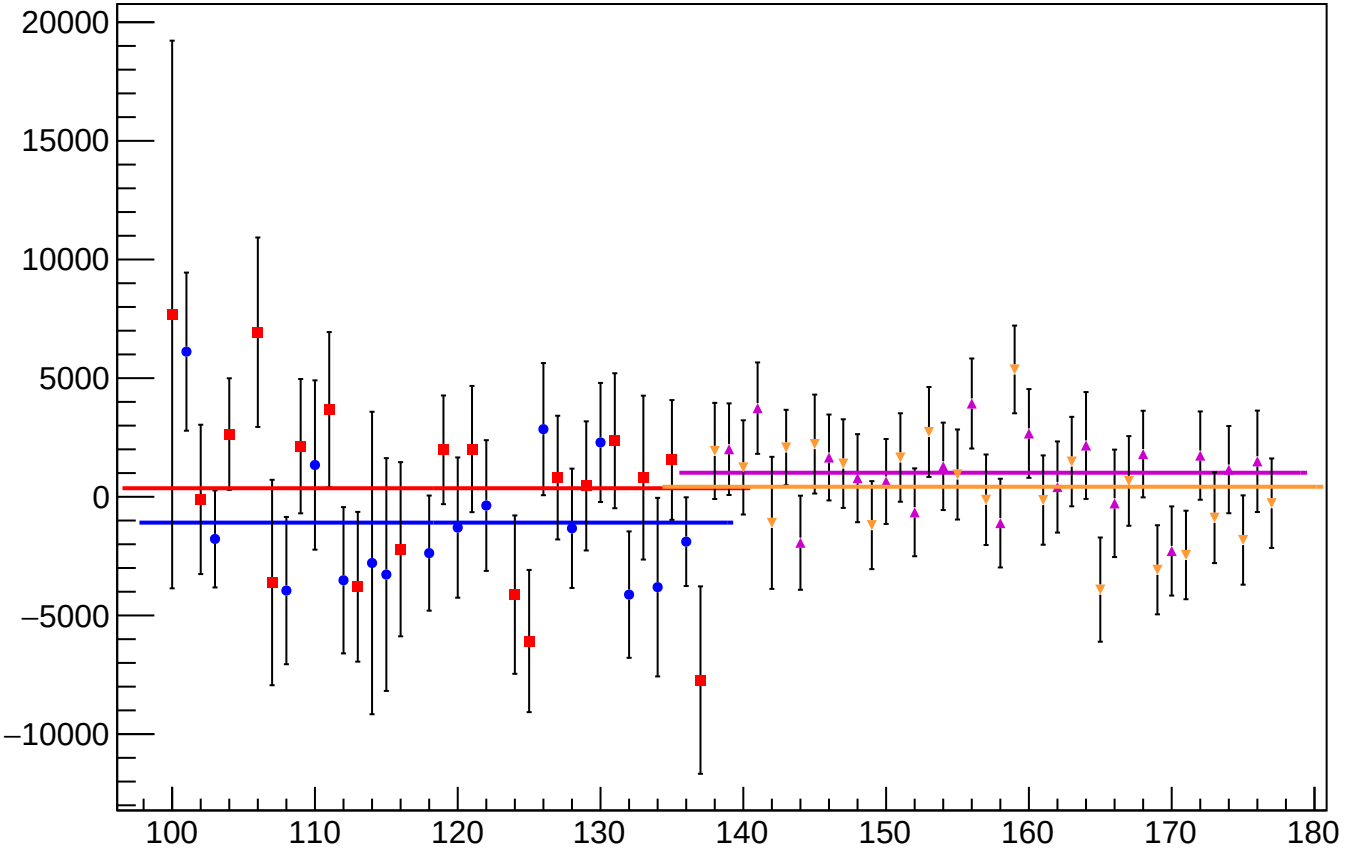
Left In: 3893.677+/-0.715 χ^2/NDF:1257104.5/18

+ sign 3927.951+/-0.583 χ^2/NDF: 1768861.3/36

All: 1960.602+/-0.283 χ^2/NDF: 44461951.6/7

- sign 1356.141+/-0.323 χ^2/NDF: 27809037.7/37

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 423.670+/-418.785 χ^2/NDF:25.3/20

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

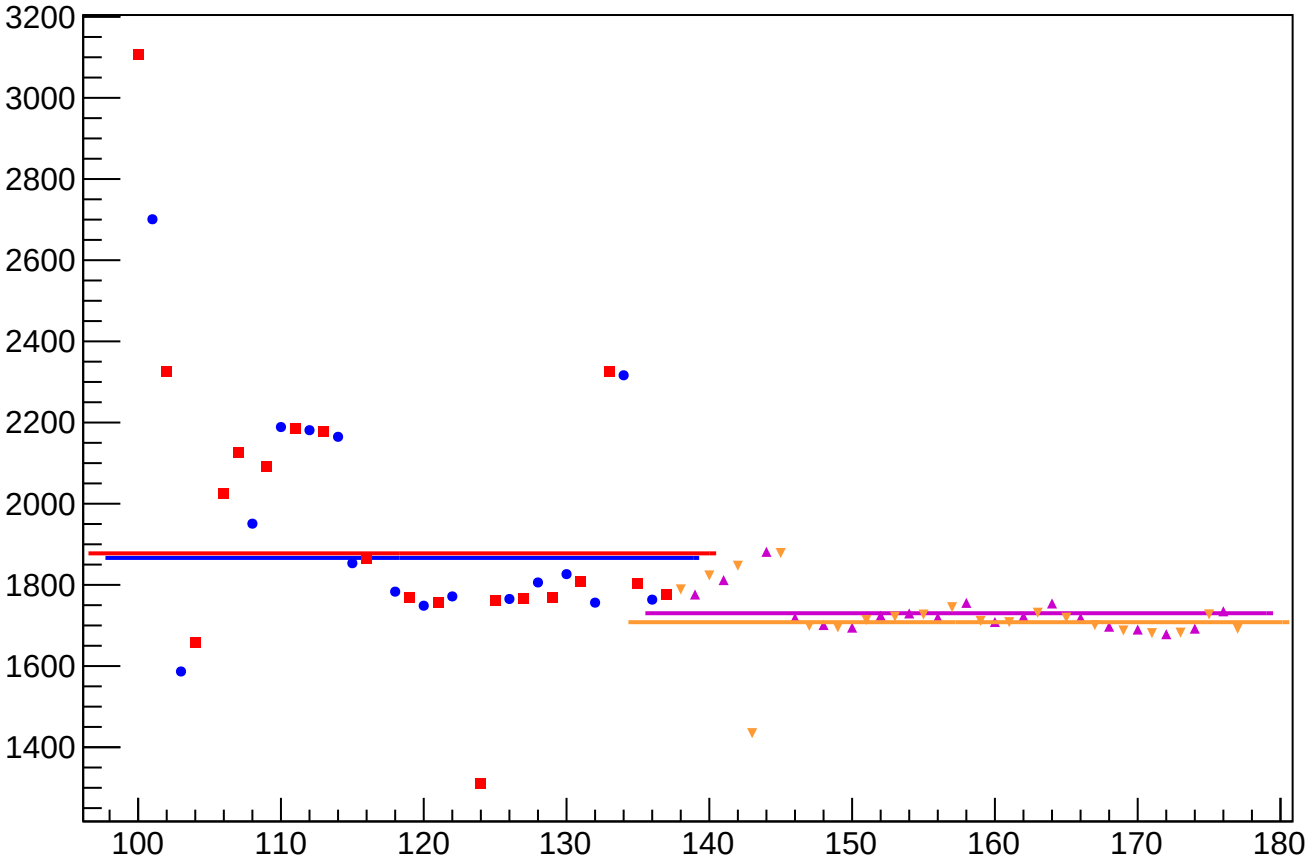
Left In: 1014.517+/-439.046 χ^2/NDF:14.1/18

+ sign 24.943+/-359.323 χ^2/NDF: 41.9/36

All: 413.613+/-258.408 χ^2/NDF: 79.9/74

- sign 829.947+/-371.890 χ^2/NDF: 35.5/37

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.082+/-0.296 χ^2/NDF:90578.3/20

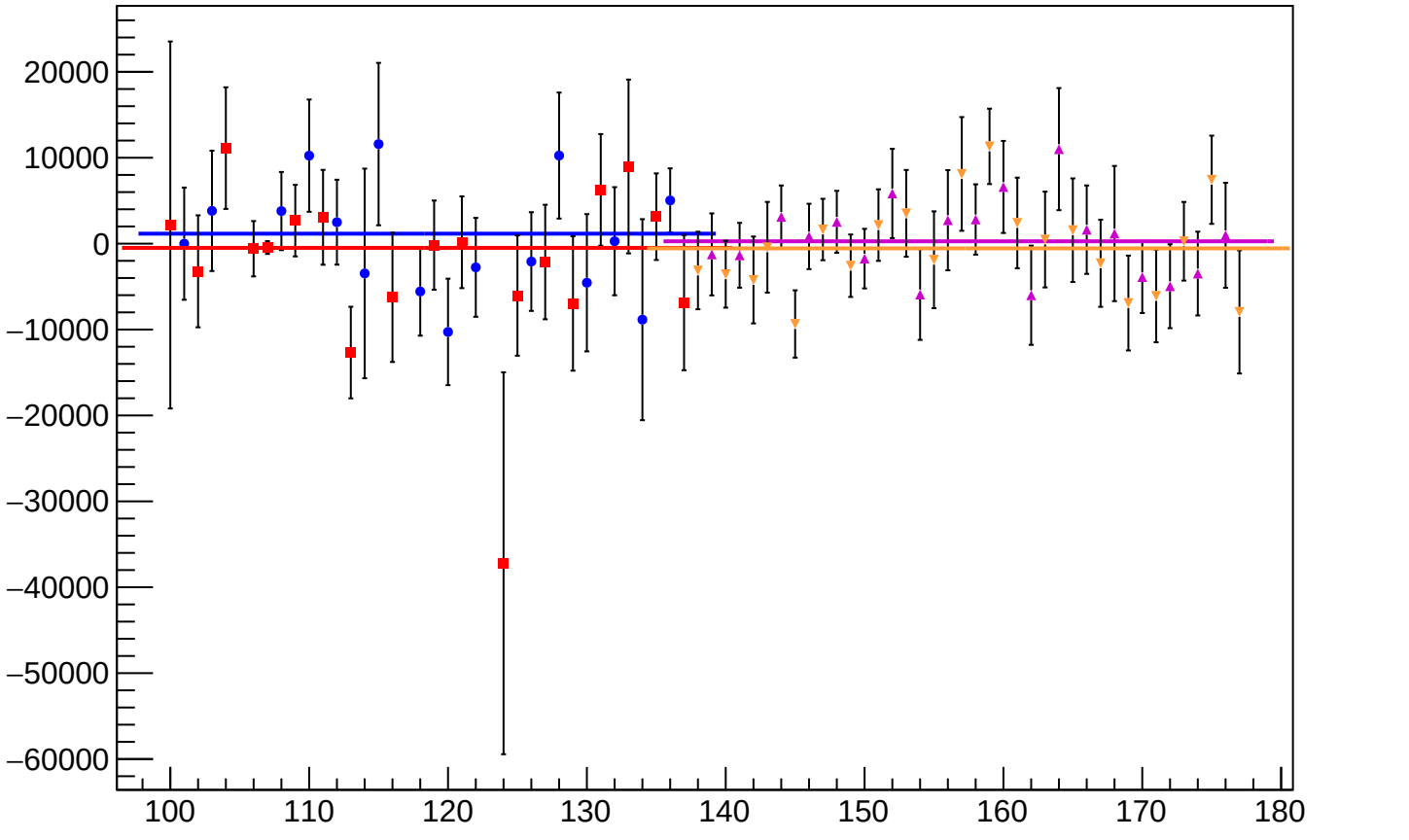
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1730.176+/-0.310 χ^2/NDF:22759.6/18

+ sign 1749.863+/-0.254 χ^2/NDF: 422299.3/36

All: 1760.502+/-0.183 χ^2/NDF: 764374.2/74

- sign 1771.893+/-0.263 χ^2/NDF: 338444.5/37



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -551.129+/-1043.093 χ^2/NDF:23.8/20

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

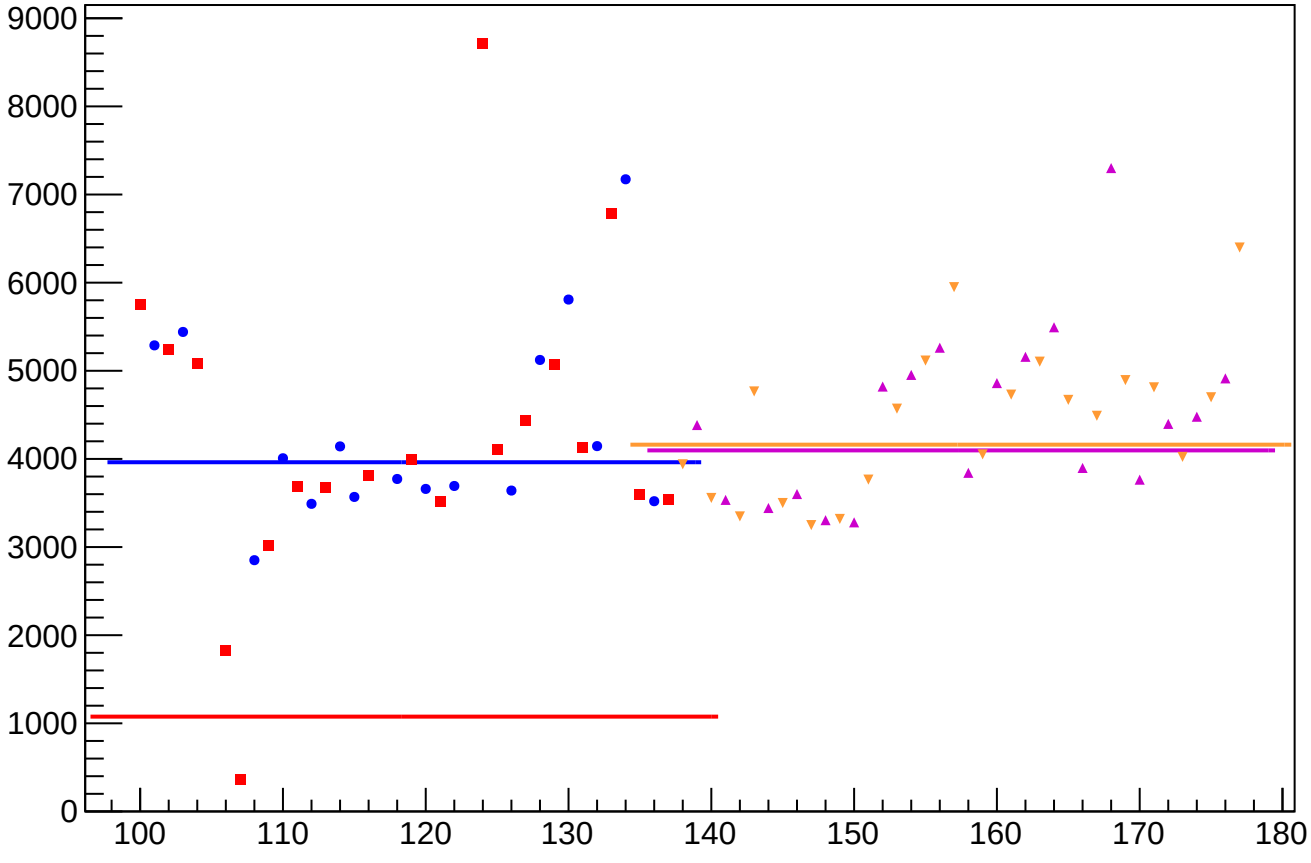
Left In: 273.784+/-1062.272 χ^2/NDF:12.4/18

+ sign 0.894+/-858.640 χ^2/NDF: 38.4/36

All: -196.288+/-468.877 χ^2/NDF: 68.2/74

- sign -280.069+/-559.693 χ^2/NDF: 29.7/37

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4161.702+/-0.738 χ^2/NDF:1047377.5/20

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

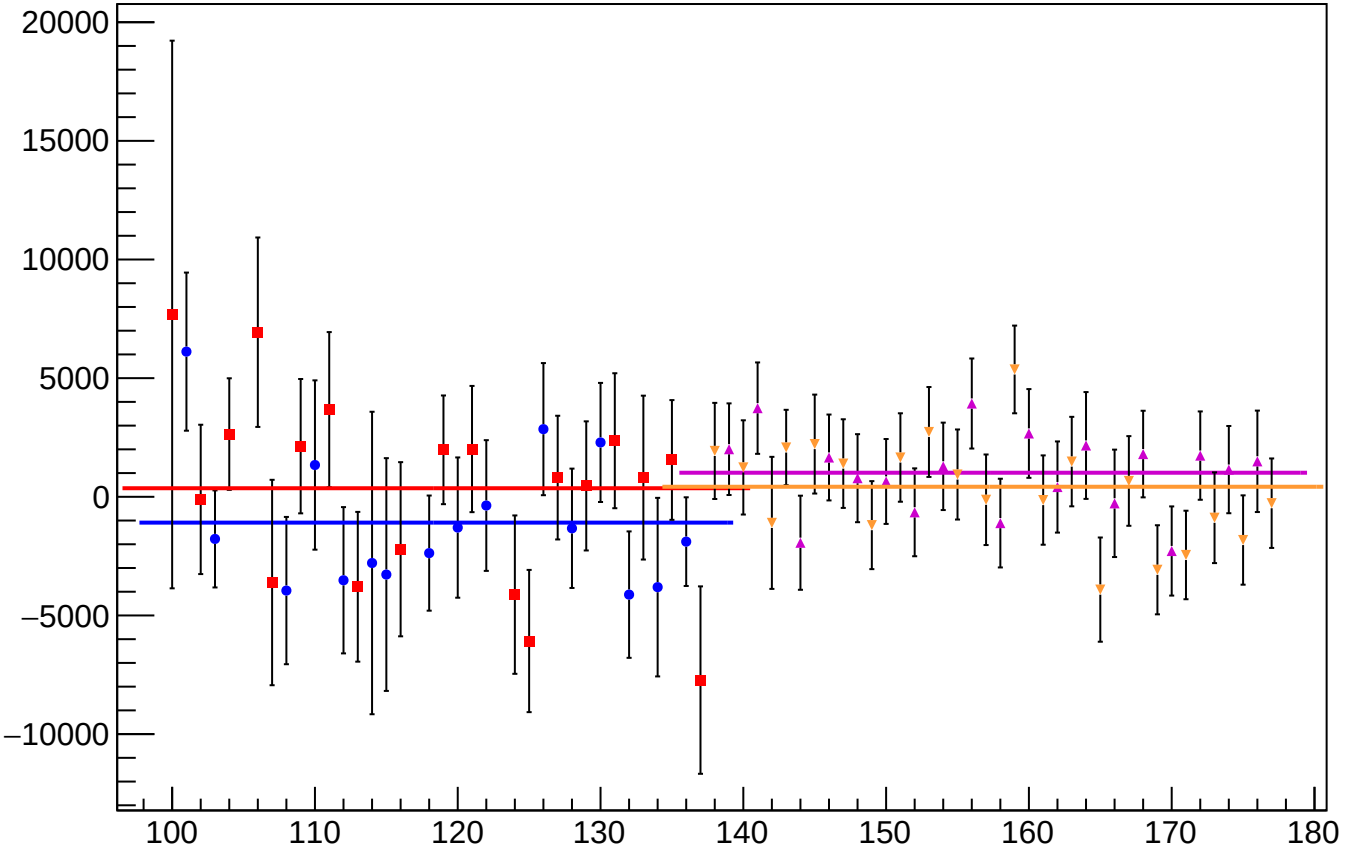
Left In: 4096.751+/-0.751 χ^2/NDF:1123737.2/18

+ sign 4097.438+/-0.607 χ^2/NDF: 1739264.3/36

All: 2565.467+/-0.332 χ^2/NDF: 33176670.0/7

- sign 1914.546+/-0.396 χ^2/NDF: 22365669.7/37

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 423.672+/-418.785 χ^2/NDF:25.3/20

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

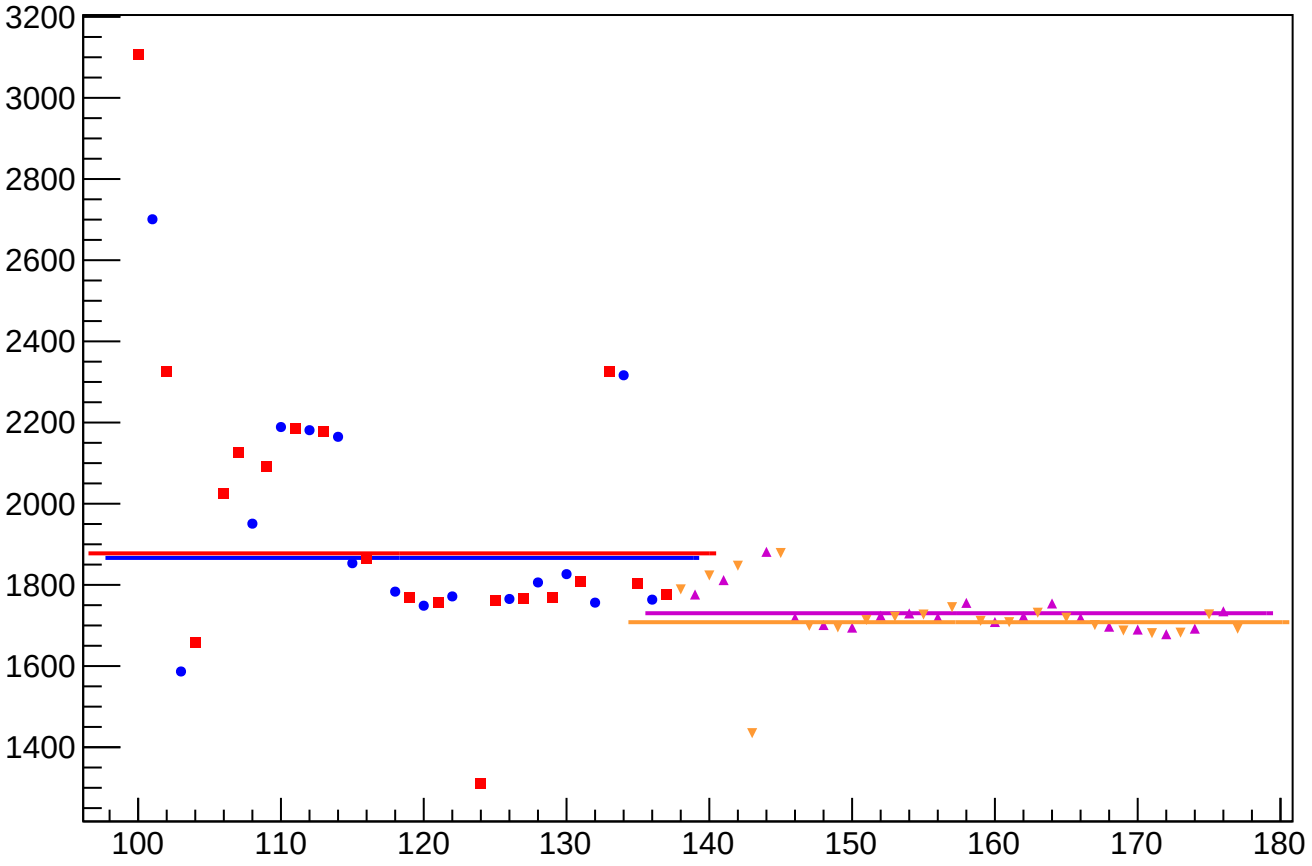
Left In: 1014.519+/-439.046 χ^2/NDF:14.1/18

+ sign 24.943+/-359.323 χ^2/NDF: 41.9/36

All: 413.614+/-258.408 χ^2/NDF: 79.9/74

- sign 829.949+/-371.890 χ^2/NDF: 35.5/37

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.083+/-0.296 χ^2/NDF:90577.5/20

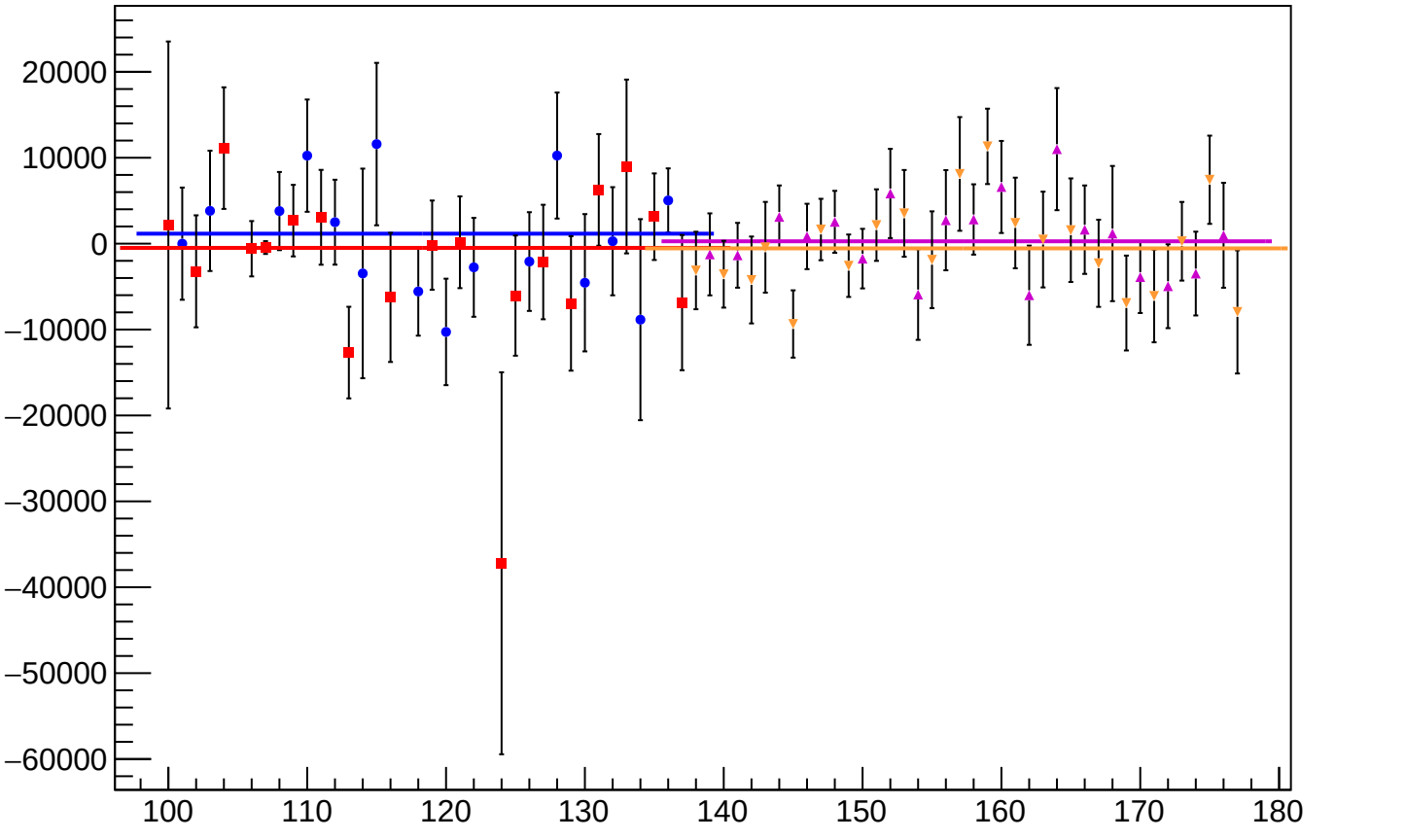
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1730.177+/-0.310 χ^2/NDF:22759.6/18

+ sign 1749.864+/-0.254 χ^2/NDF: 422297.6/36

All: 1760.503+/-0.183 χ^2/NDF: 764372.1/74

- sign 1771.893+/-0.263 χ^2/NDF: 338444.2/37



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -551.129+/-1043.095 χ^2/NDF:23.8/20

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

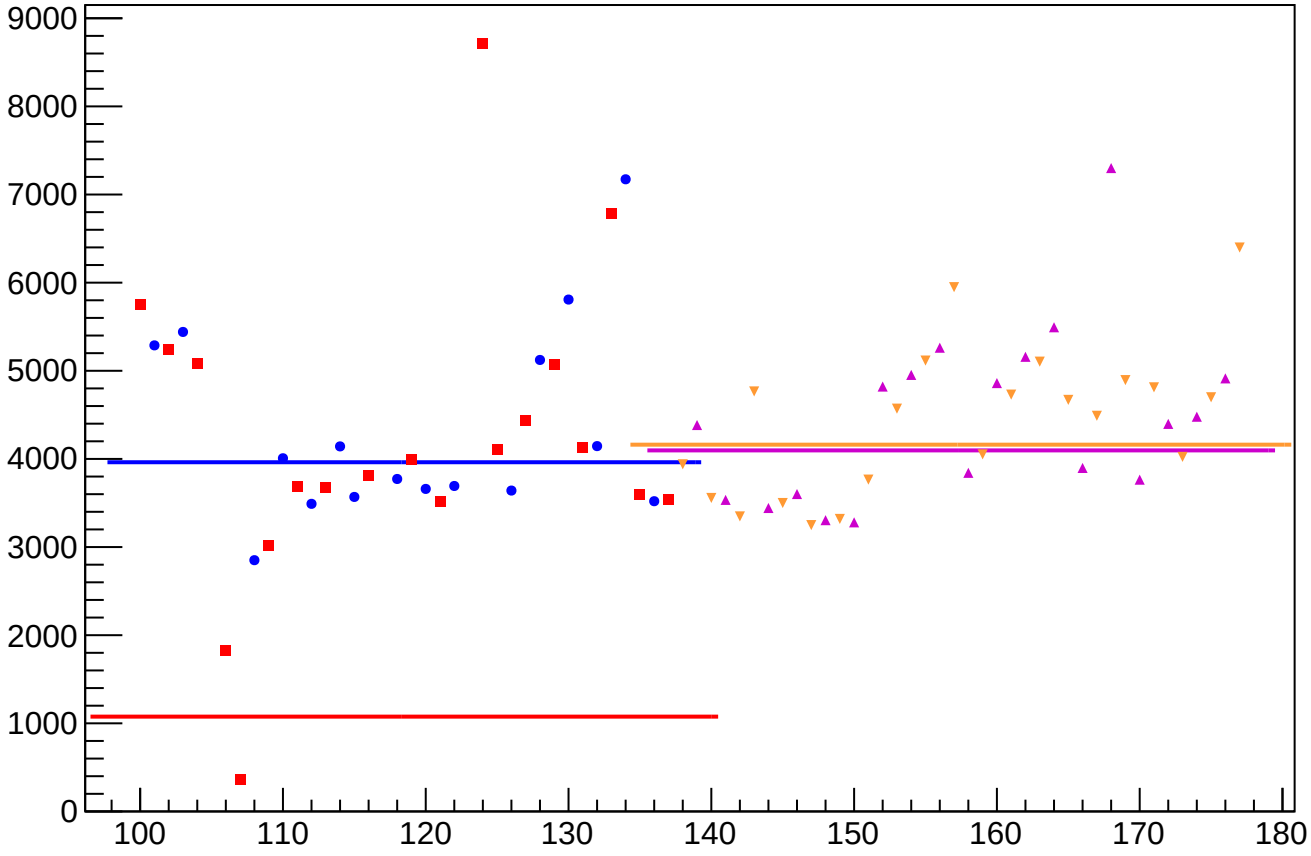
Left In: 273.782+/-1062.274 χ^2/NDF:12.4/18

+ sign 0.890+/-858.640 χ^2/NDF: 38.4/36

All: -196.289+/-468.881 χ^2/NDF: 68.2/74

- sign -280.070+/-559.700 χ^2/NDF: 29.7/37

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4161.708+/-0.738 χ^2/NDF:1047377.7/20

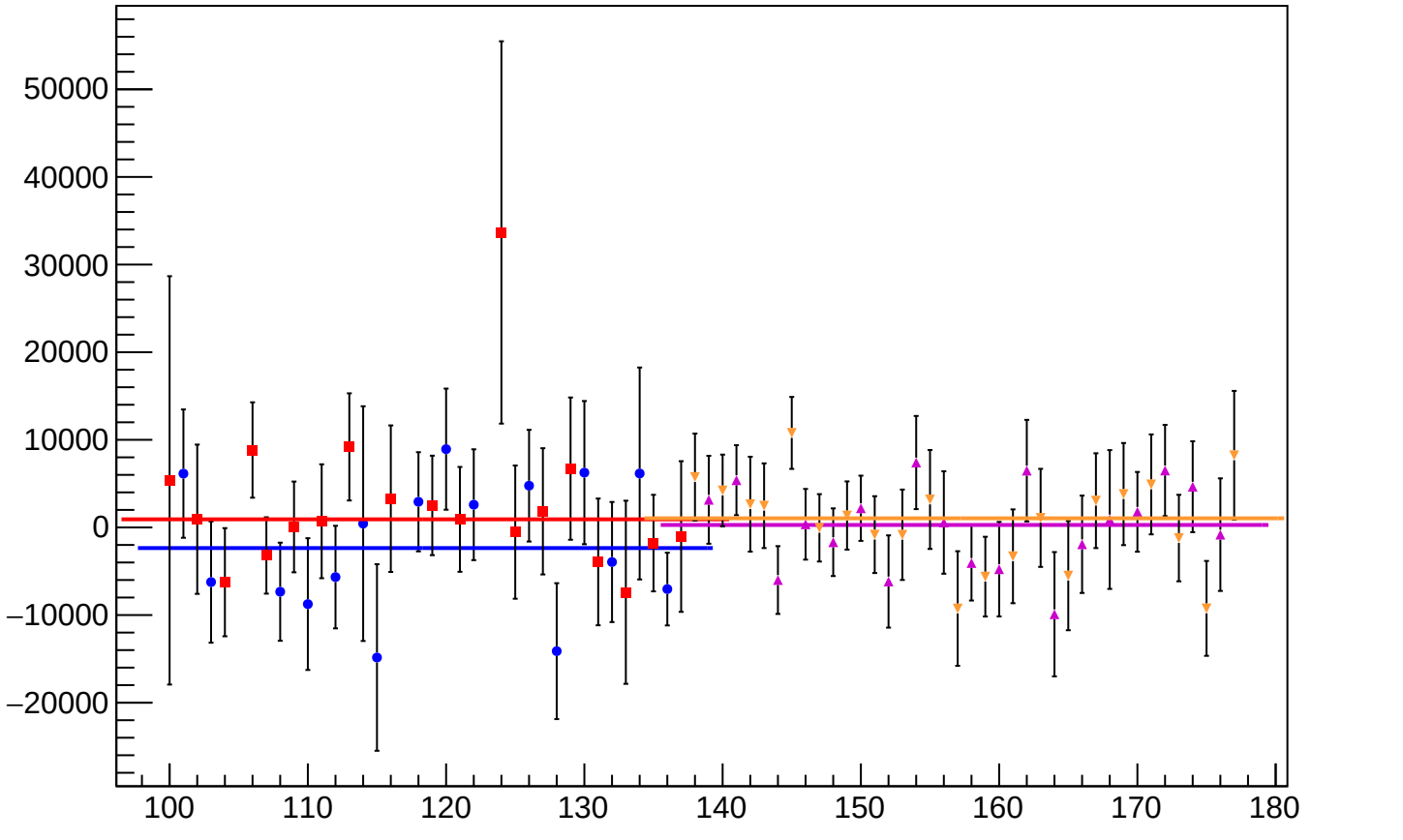
Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4096.757+/-0.751 χ^2/NDF:1123739.4/18

+ sign 4097.439+/-0.607 χ^2/NDF: 1739263.6/36

All: 2565.508+/-0.332 χ^2/NDF: 33175810.2/7

- sign 1914.588+/-0.396 χ^2/NDF: 22365217.6/37



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1043.078+/-1088.800 χ^2/NDF:19.8/20

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

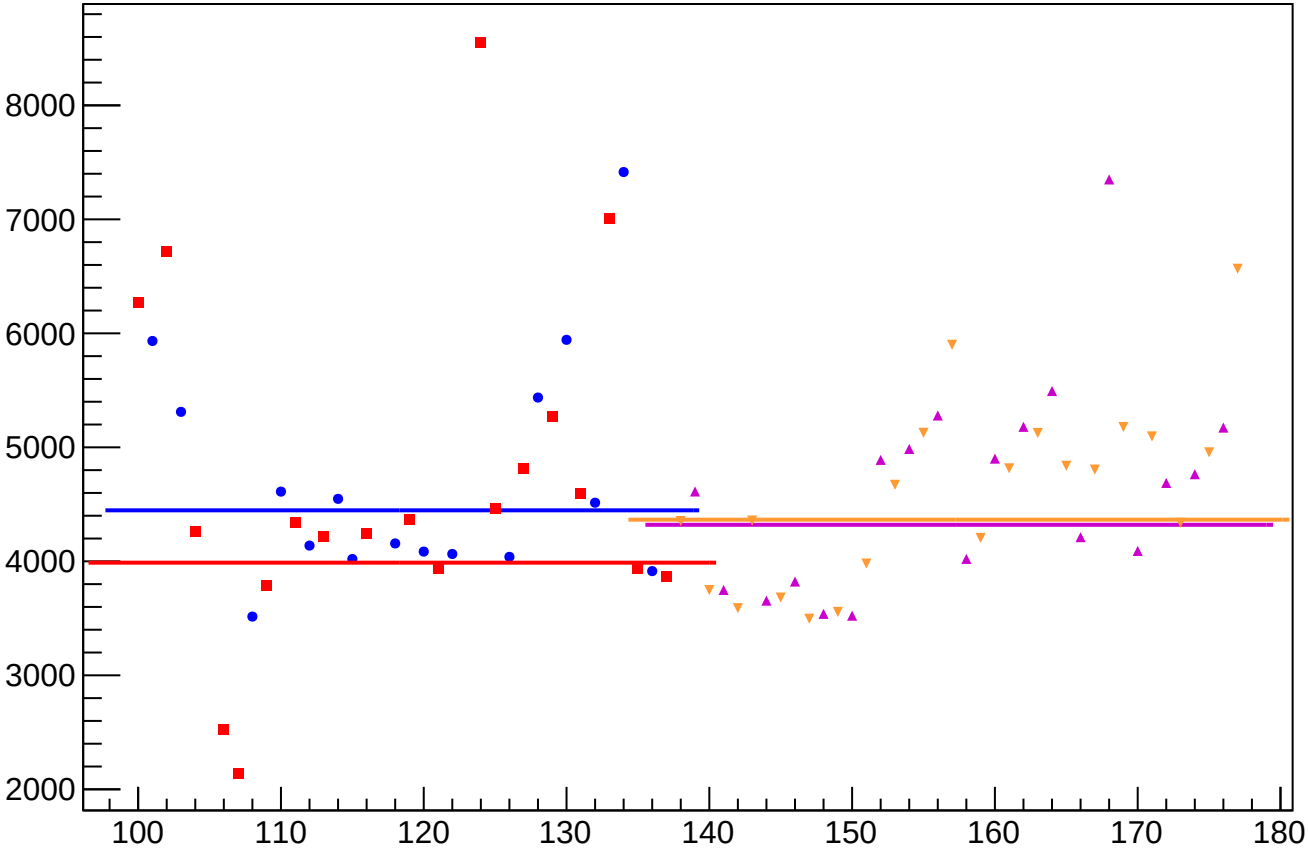
Left In: 282.031+/-1115.139 χ^2/NDF:16.0/18

+ sign 42.031+/-914.459 χ^2/NDF: 38.2/36

All: 274.446+/-643.103 χ^2/NDF: 65.1/74

- sign 501.871+/-904.591 χ^2/NDF: 26.7/37

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4365.367+/-0.770 χ^2/NDF:852849.6/20

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

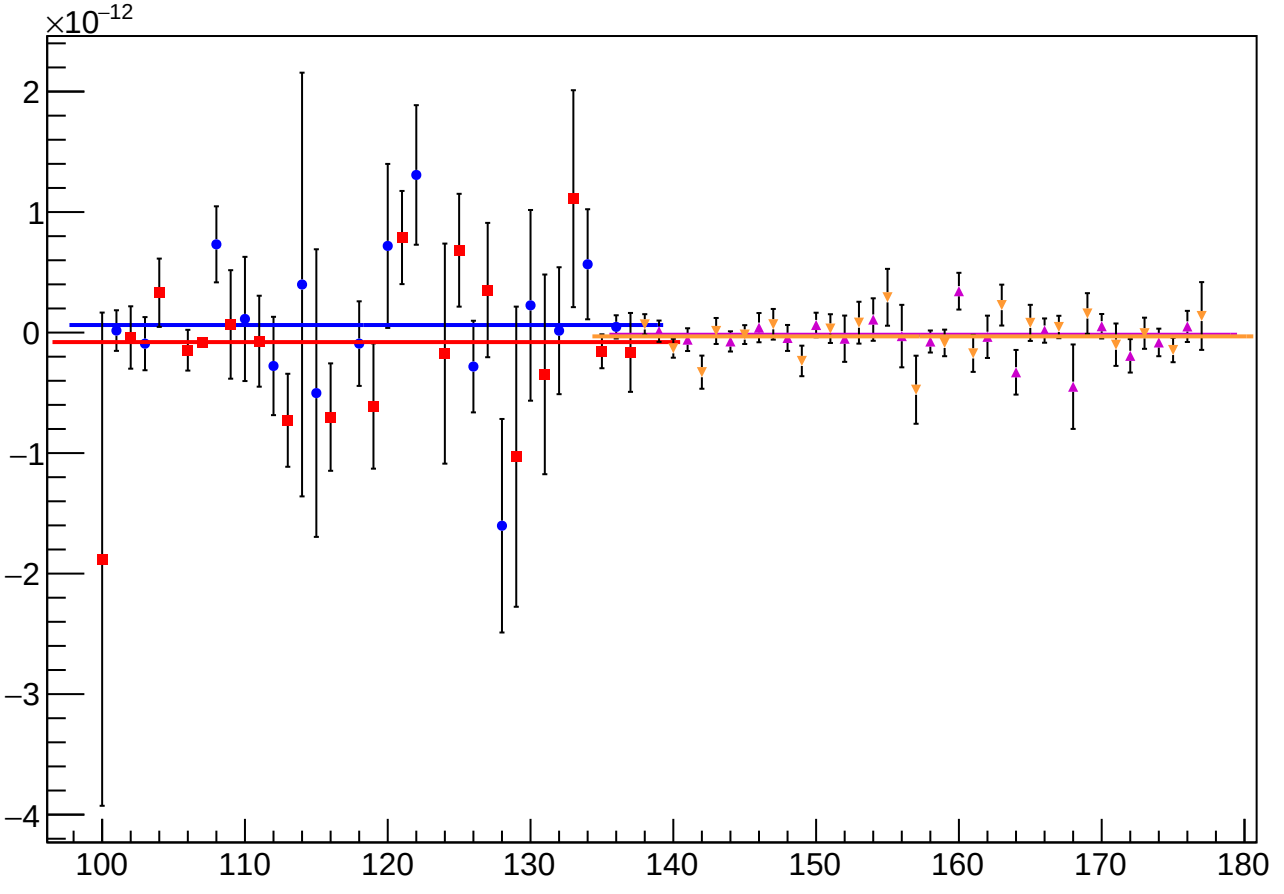
Left In: 4320.538+/-0.789 χ^2/NDF:909432.6/18

+ sign 4389.542+/-0.647 χ^2/NDF: 1314447.4/36

All: 4296.161+/-0.454 χ^2/NDF: 3470462.4/74

- sign 4205.410+/-0.637 χ^2/NDF: 2114892.1/37

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:23.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

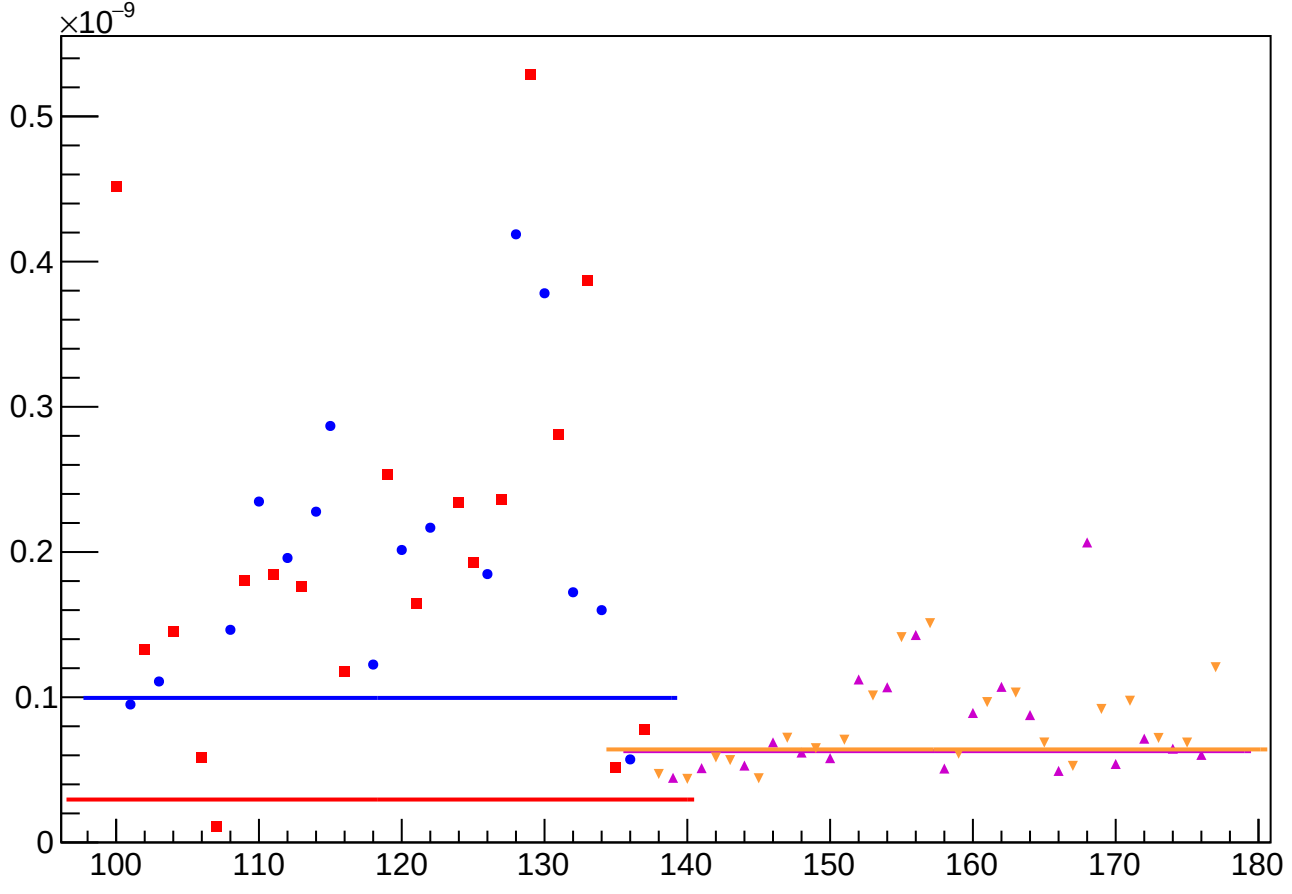
Left In: -0.000+/-0.000 χ^2/NDF:15.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/36

All: -0.000+/-0.000 χ^2/NDF: 80.9/74

- sign -0.000+/-0.000 χ^2/NDF: 37.4/37

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1315320.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

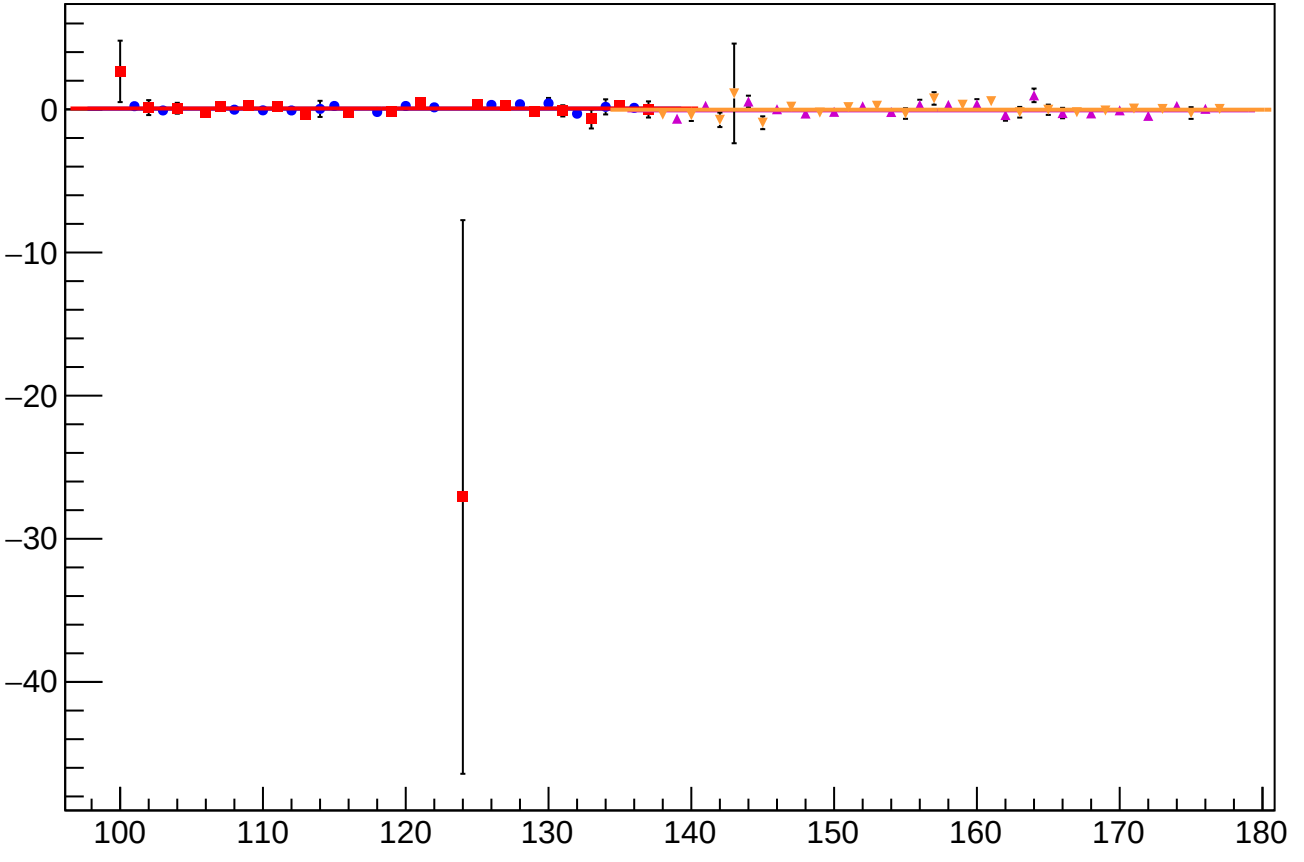
Left In: 0.000+/-0.000 χ^2/NDF:1255358.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 3349328.9/36

All: 0.000+/-0.000 χ^2/NDF: 10868925.5/74

- sign 0.000+/-0.000 χ^2/NDF: 6811043.6/37

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

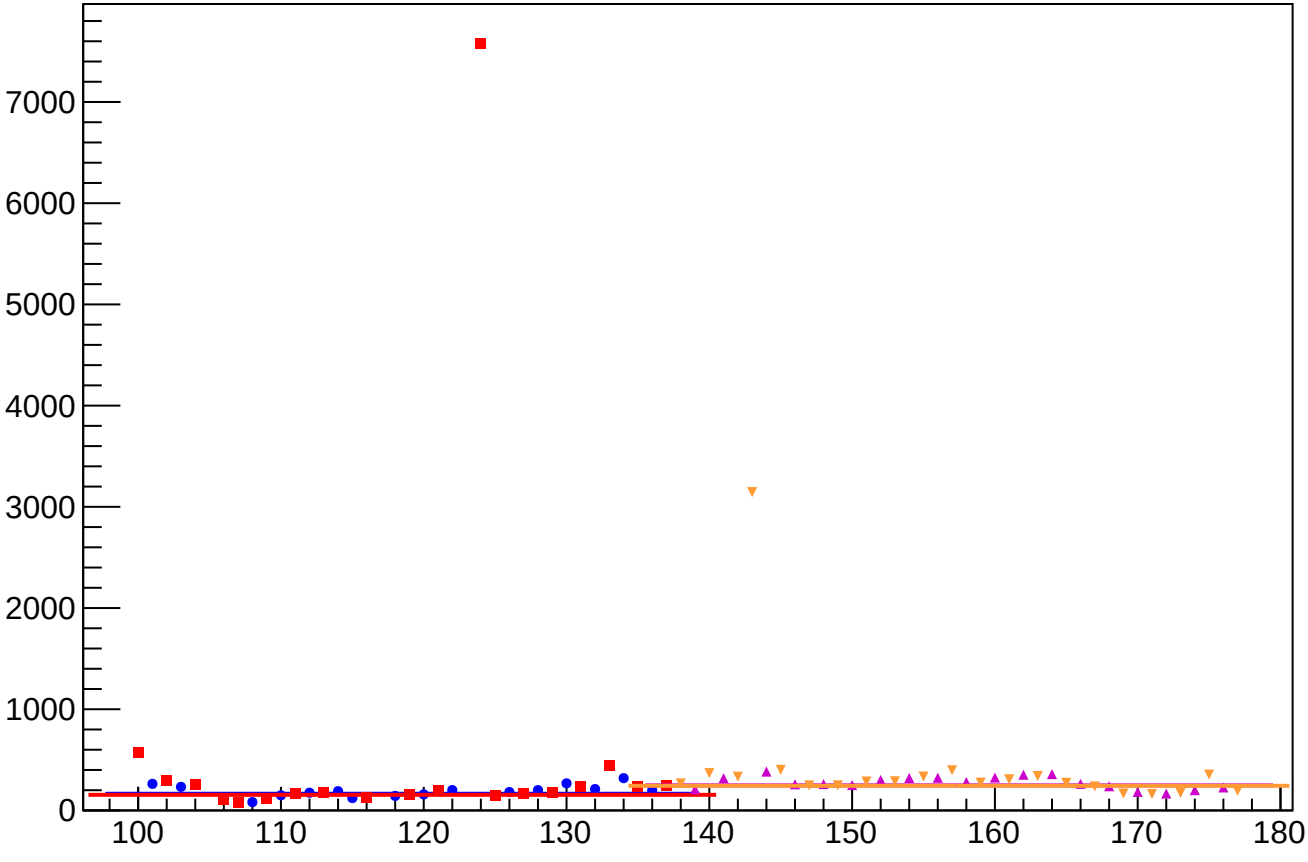
Left In: -0.071+/-0.066 χ^2/NDF:27.5/18

+ sign 0.012+/-0.046 χ^2/NDF: 28.1/36

All: 0.004+/-0.033 χ^2/NDF: 76.1/74

- sign -0.003+/-0.046 χ^2/NDF: 47.9/37

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 243.527+/-0.046 χ^2/NDF:3783731.4/20

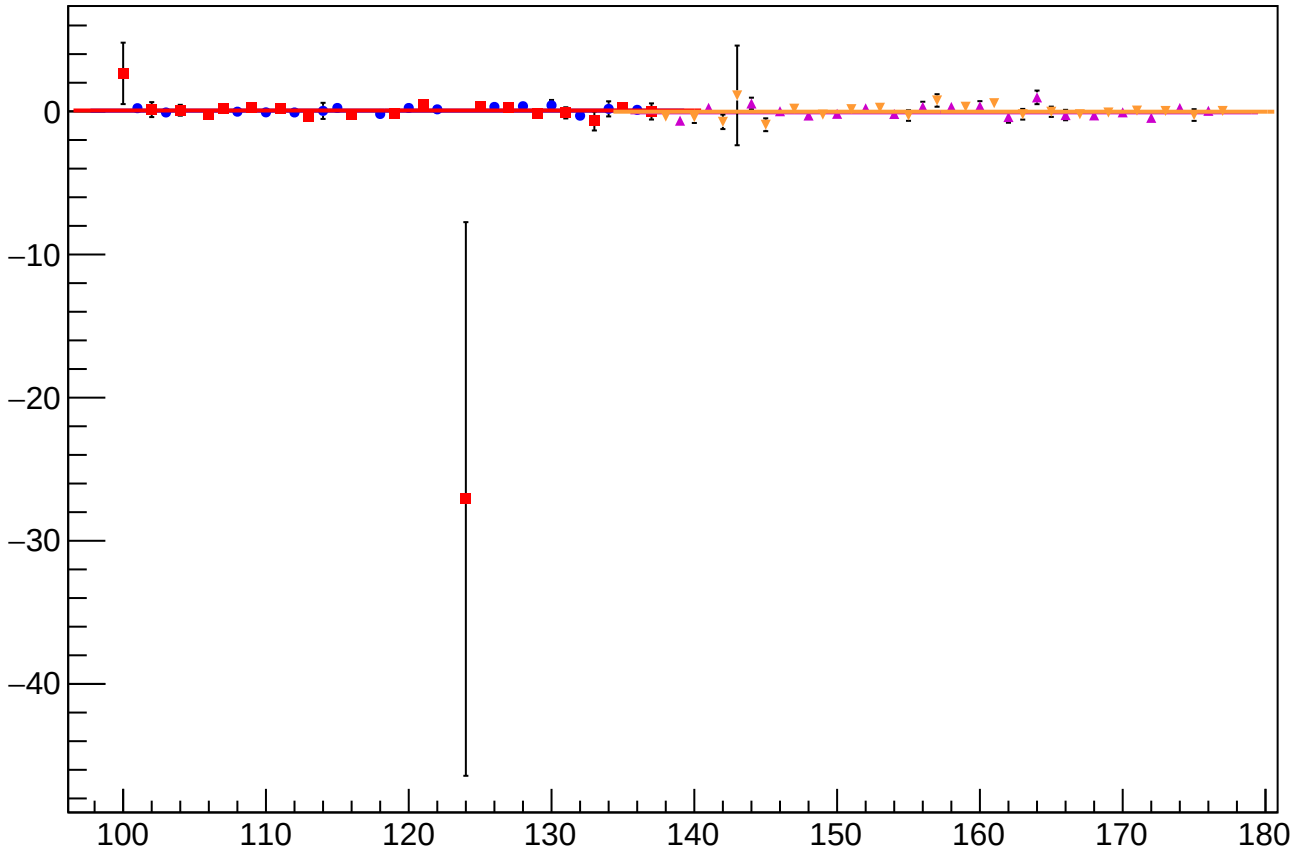
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 247.969+/-0.047 χ^2/NDF:1634922.3/18

+ sign 205.385+/-0.033 χ^2/NDF: 6704188.7/36

All: 202.722+/-0.023 χ^2/NDF: 12335387.6/74

- sign 200.079+/-0.033 χ^2/NDF: 5617984.5/37



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

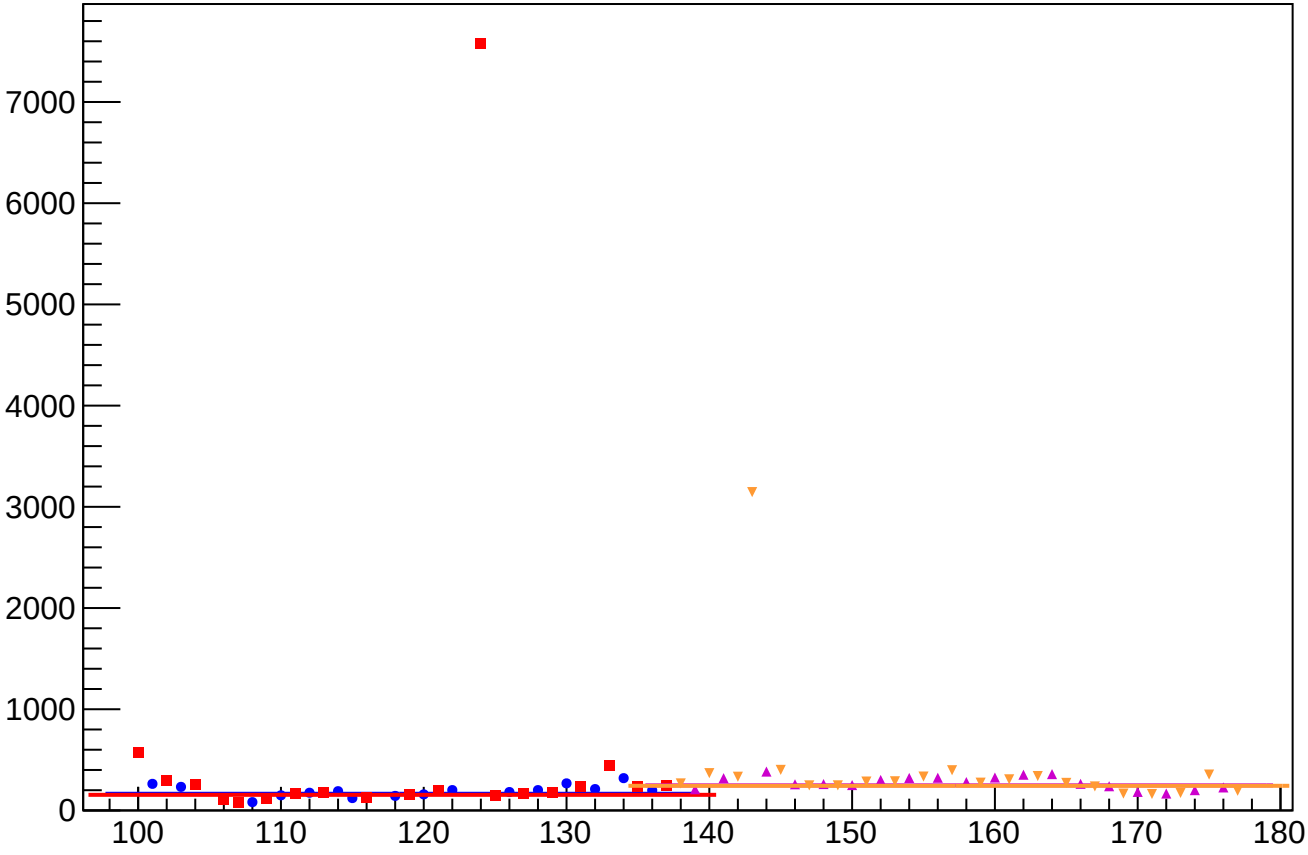
Left In: -0.071+/-0.066 χ^2/NDF:27.5/18

+ sign 0.012+/-0.046 χ^2/NDF: 28.1/36

All: 0.004+/-0.033 χ^2/NDF: 76.1/74

- sign -0.003+/-0.046 χ^2/NDF: 47.9/37

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: 243.527+/-0.046 χ^2/NDF:3783731.4/20

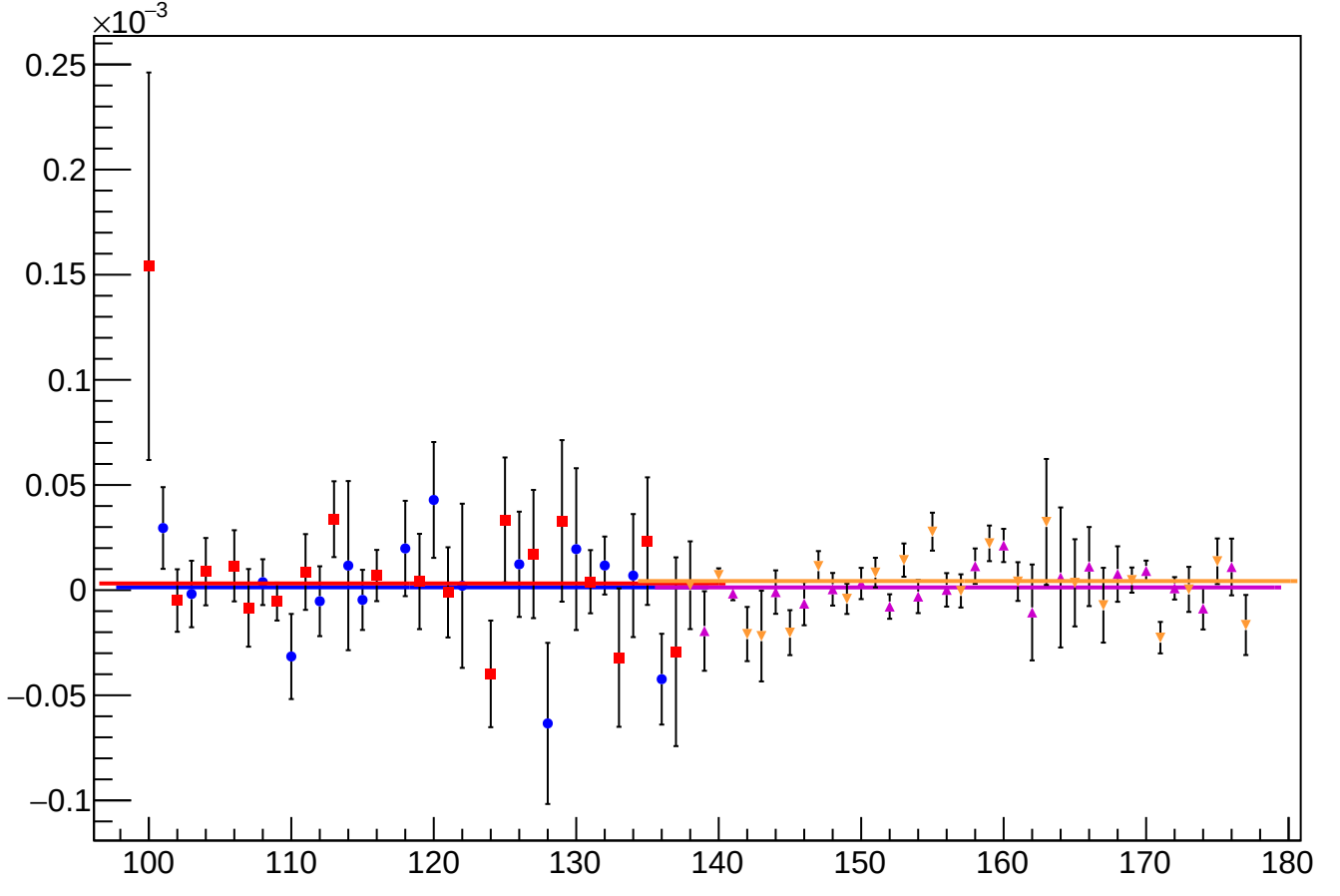
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 247.969+/-0.047 χ^2/NDF:1634922.3/18

+ sign 205.385+/-0.033 χ^2/NDF: 6704188.7/36

All: 202.722+/-0.023 χ^2/NDF: 12335387.6/74

- sign 200.079+/-0.033 χ^2/NDF: 5617984.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.5/20

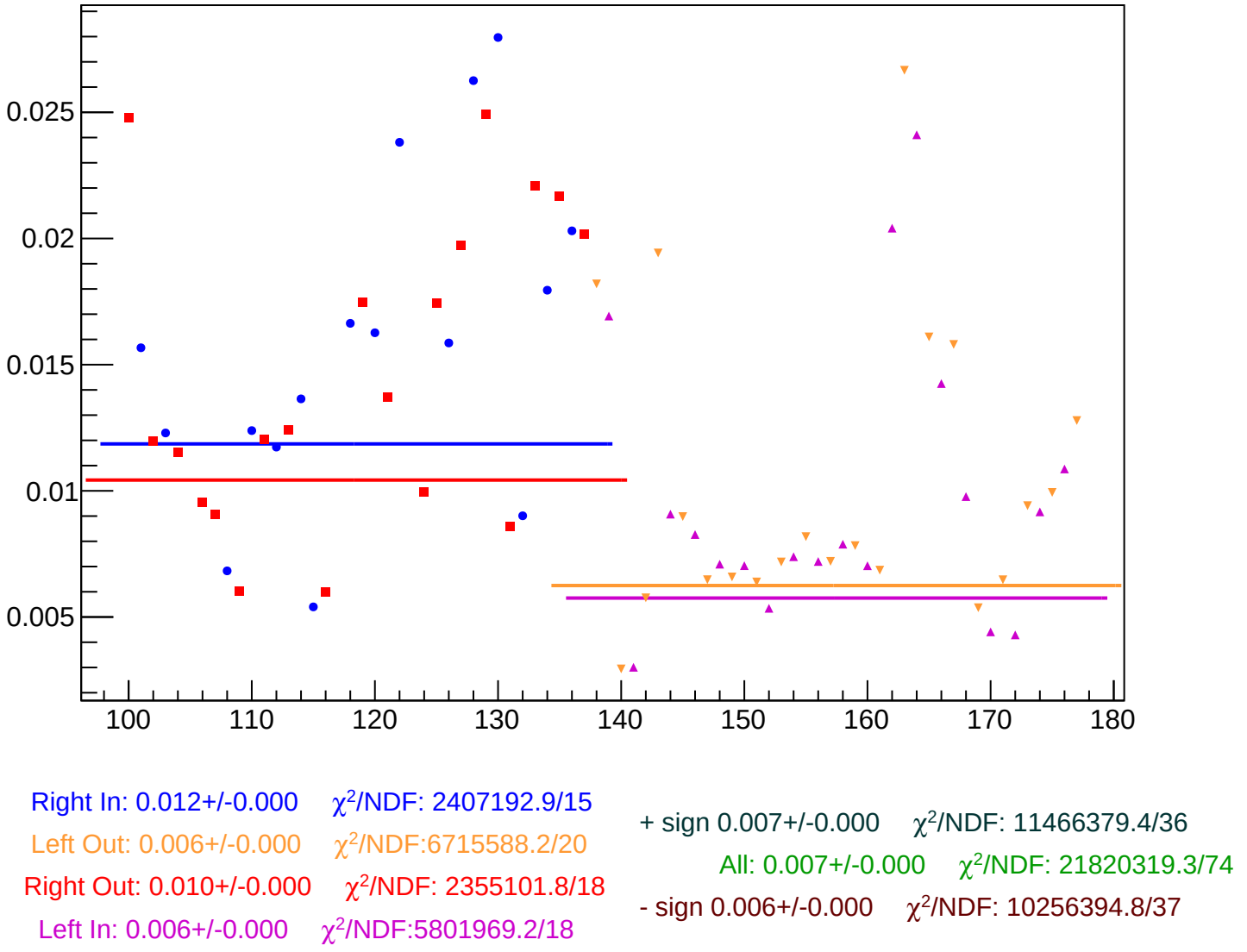
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

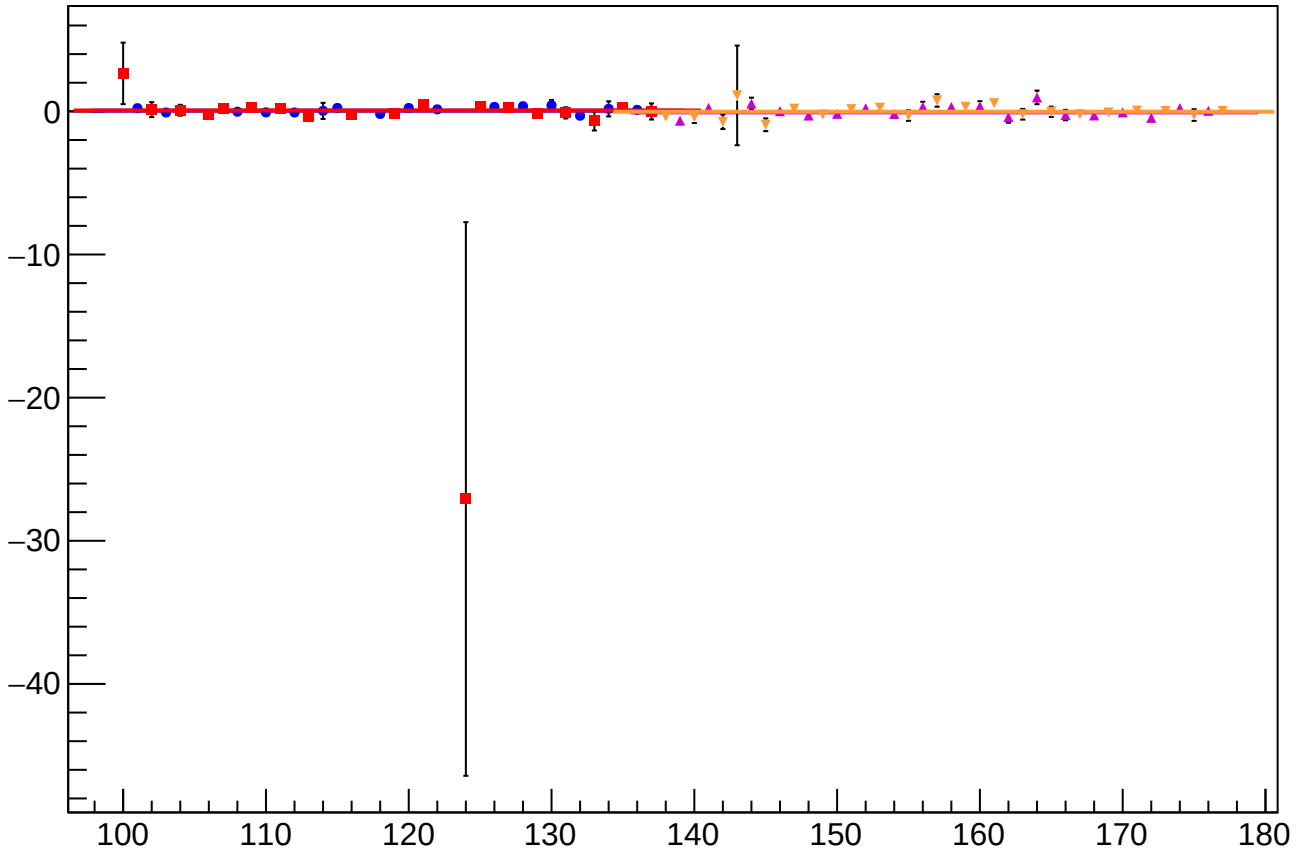
Left In: 0.000+/-0.000 χ^2/NDF:18.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 61.0/36

All: 0.000+/-0.000 χ^2/NDF: 95.0/74

- sign 0.000+/-0.000 χ^2/NDF: 32.9/37


asym_atl1r2_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: 0.012+/-0.000 χ²/NDF: 2407192.9/15
Left Out: 0.006+/-0.000 χ²/NDF:6715588.2/20
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.006+/-0.000 χ²/NDF:5801969.2/18
+ sign 0.007+/-0.000 χ²/NDF: 11466379.4/36
All: 0.007+/-0.000 χ²/NDF: 21820319.3/74
- sign 0.006+/-0.000 χ²/NDF: 10256394.8/37



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

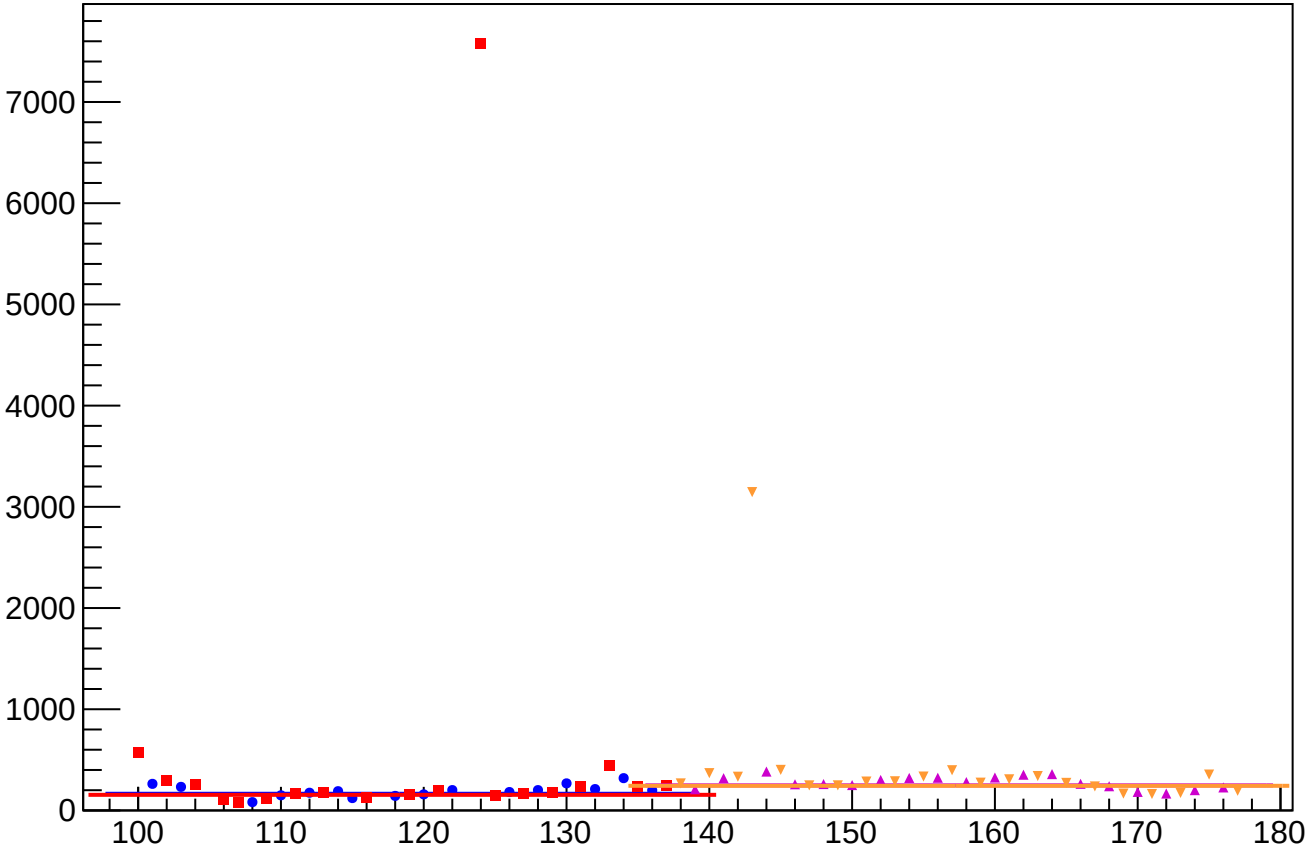
Left In: -0.071+/-0.066 χ^2/NDF:27.5/18

+ sign 0.012+/-0.046 χ^2/NDF: 28.1/36

All: 0.004+/-0.033 χ^2/NDF: 76.1/74

- sign -0.003+/-0.046 χ^2/NDF: 47.9/37

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: 243.528+/-0.046 χ^2/NDF:3783834.4/20

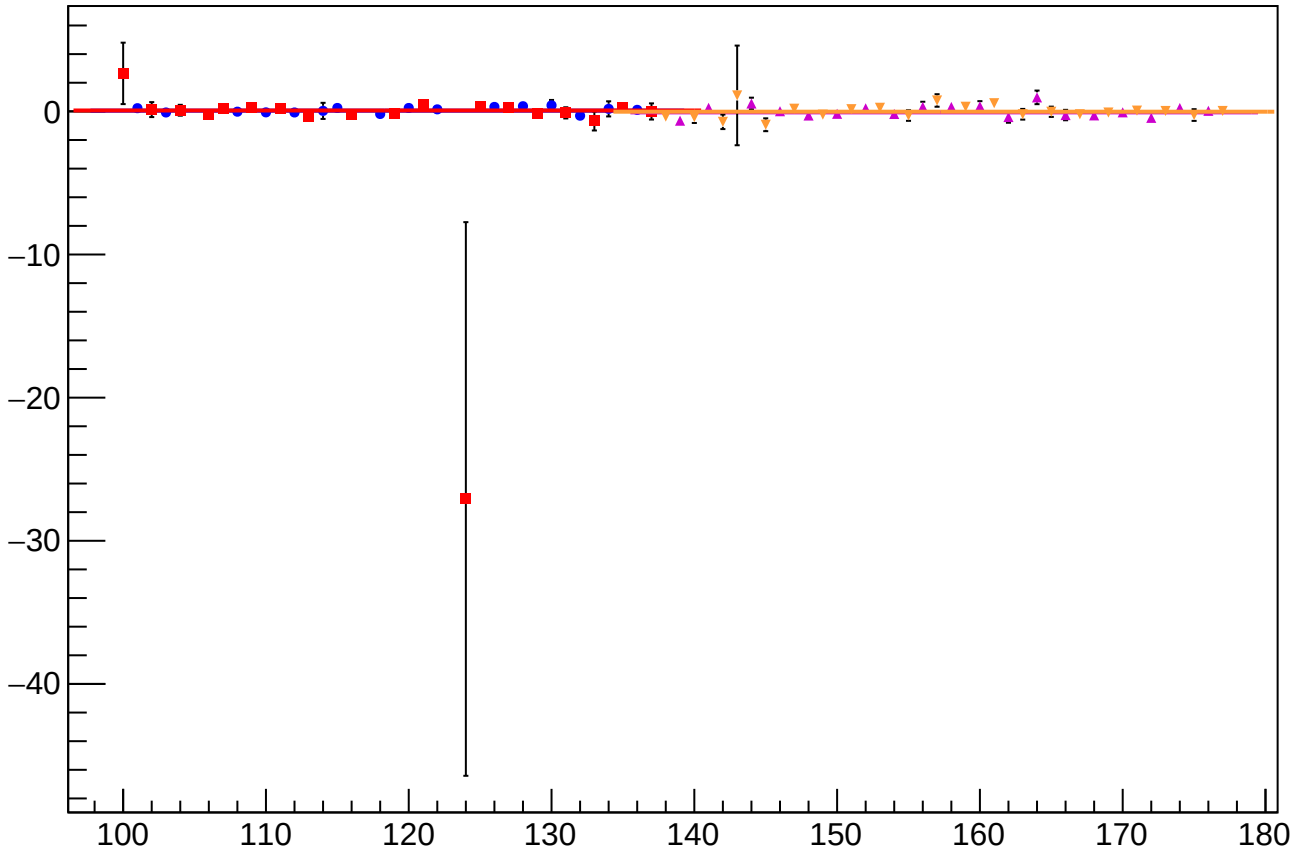
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 247.971+/-0.047 χ^2/NDF:1634969.9/18

+ sign 205.385+/-0.033 χ^2/NDF: 6704322.6/36

All: 202.723+/-0.023 χ^2/NDF: 12335688.7/74

- sign 200.080+/-0.033 χ^2/NDF: 5618153.0/37



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

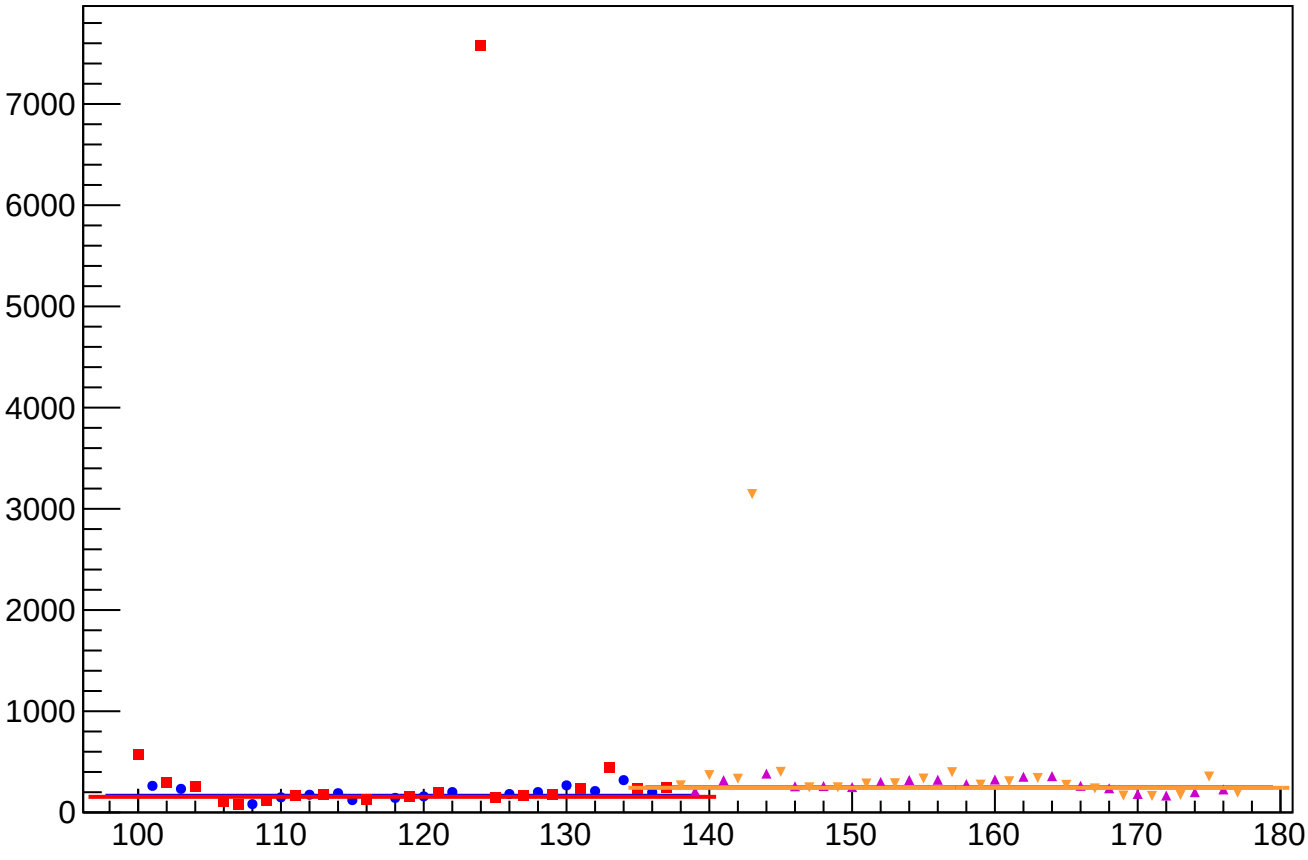
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.071+/-0.066 χ^2/NDF:27.5/18

+ sign 0.012+/-0.046 χ^2/NDF: 28.1/36

All: 0.004+/-0.033 χ^2/NDF: 76.1/74

- sign -0.003+/-0.046 χ^2/NDF: 47.9/37



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 243.528+/-0.046 χ^2/NDF:3783834.4/20

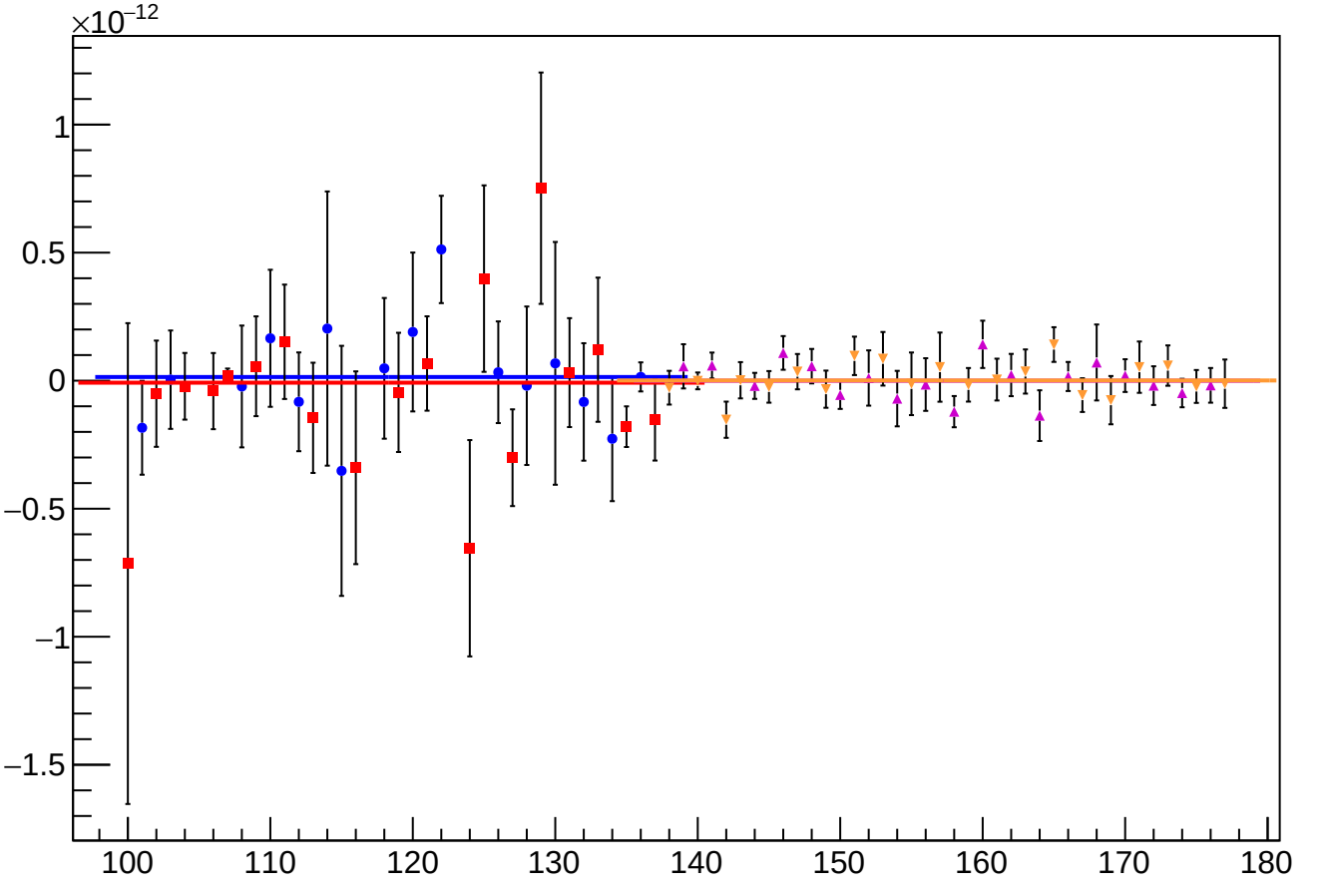
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 247.971+/-0.047 χ^2/NDF:1634969.9/18

+ sign 205.385+/-0.033 χ^2/NDF: 6704322.6/36

All: 202.723+/-0.023 χ^2/NDF: 12335688.7/74

- sign 200.080+/-0.033 χ^2/NDF: 5618153.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/20

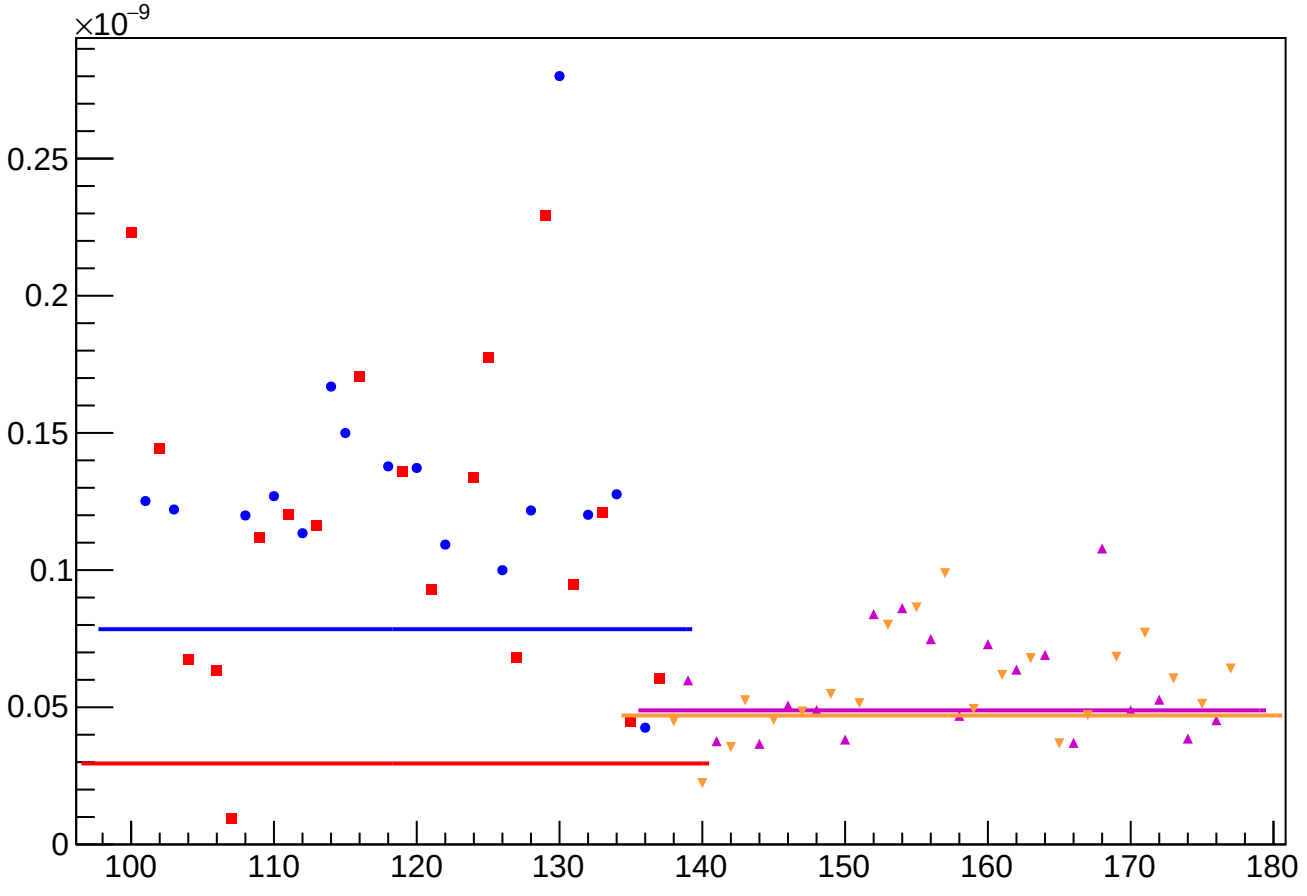
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 24.6/36

All: -0.000+/-0.000 χ^2/NDF: 59.5/74

- sign -0.000+/-0.000 χ^2/NDF: 34.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2578436.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

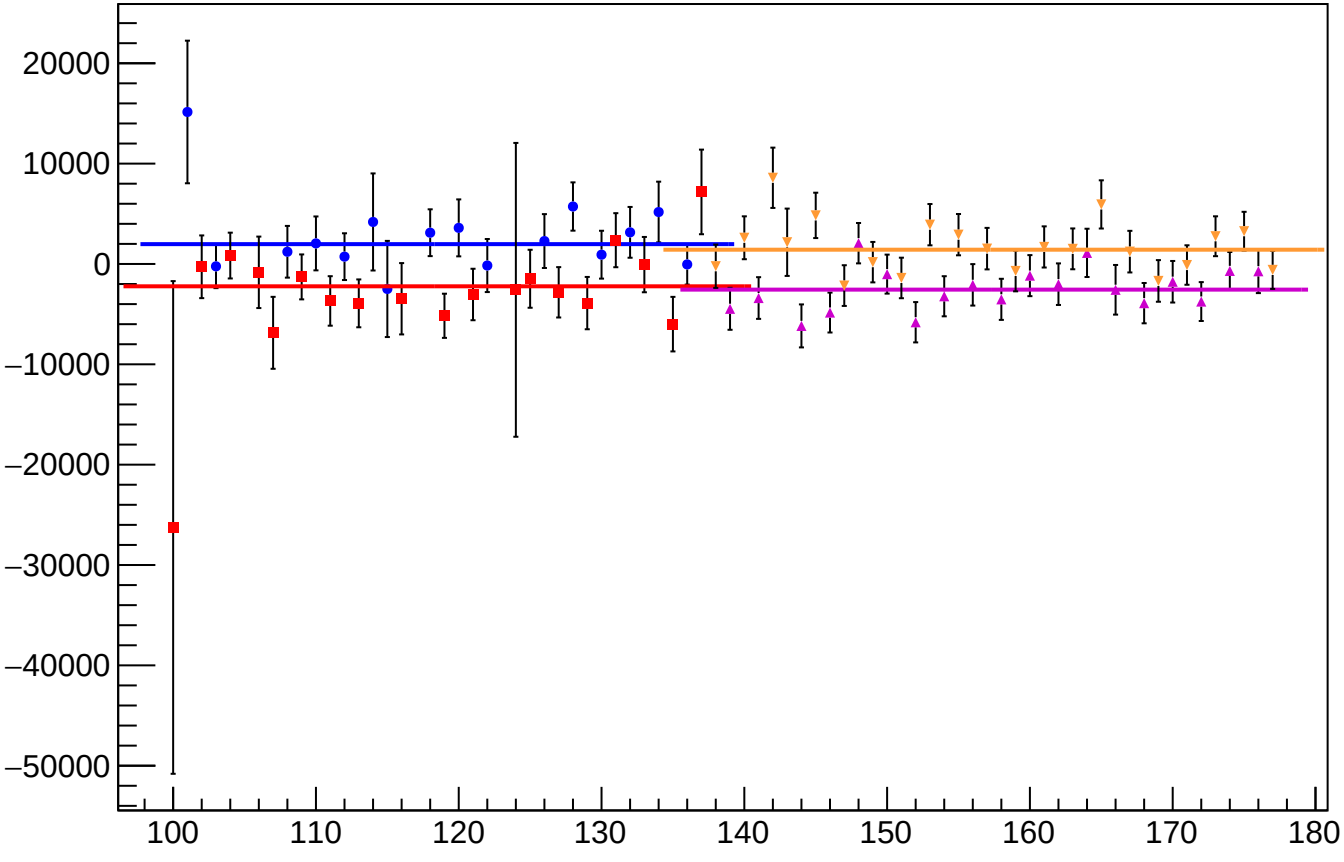
Left In: 0.000+/-0.000 χ^2/NDF:1667967.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 5655677.5/36

All: 0.000+/-0.000 χ^2/NDF: 14113911.7/74

- sign 0.000+/-0.000 χ^2/NDF: 8114646.4/37

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1421.502+/-461.842 χ^2/NDF:26.3/20

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

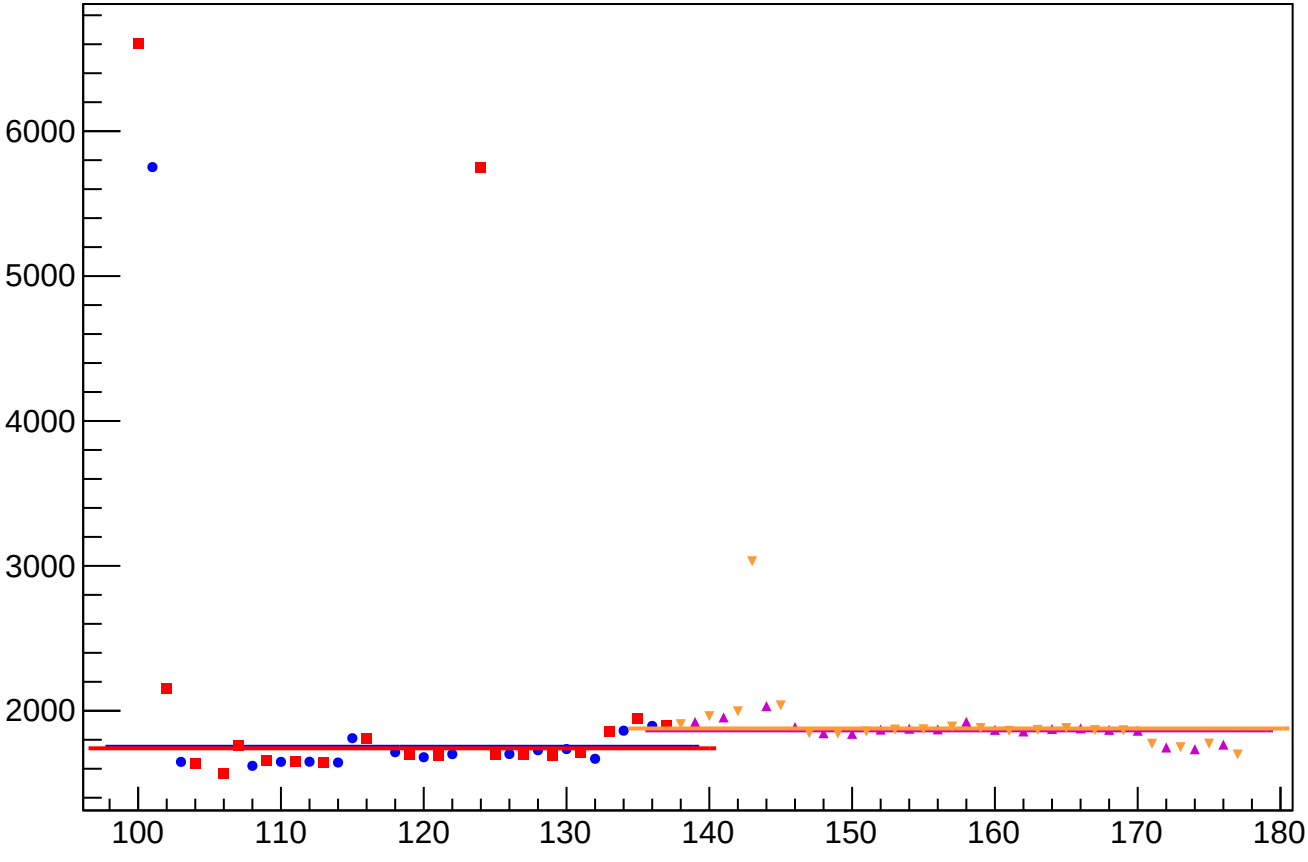
Left In: -2557.309+/-473.400 χ^2/NDF:19.6/18

+ sign 1601.037+/-379.834 χ^2/NDF: 38.9/36

All: -399.740+/-270.023 χ^2/NDF: 133.8/74

- sign -2443.979+/-383.938 χ^2/NDF: 38.7/37

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1877.900+/-0.327 χ^2/NDF:292861.5/20

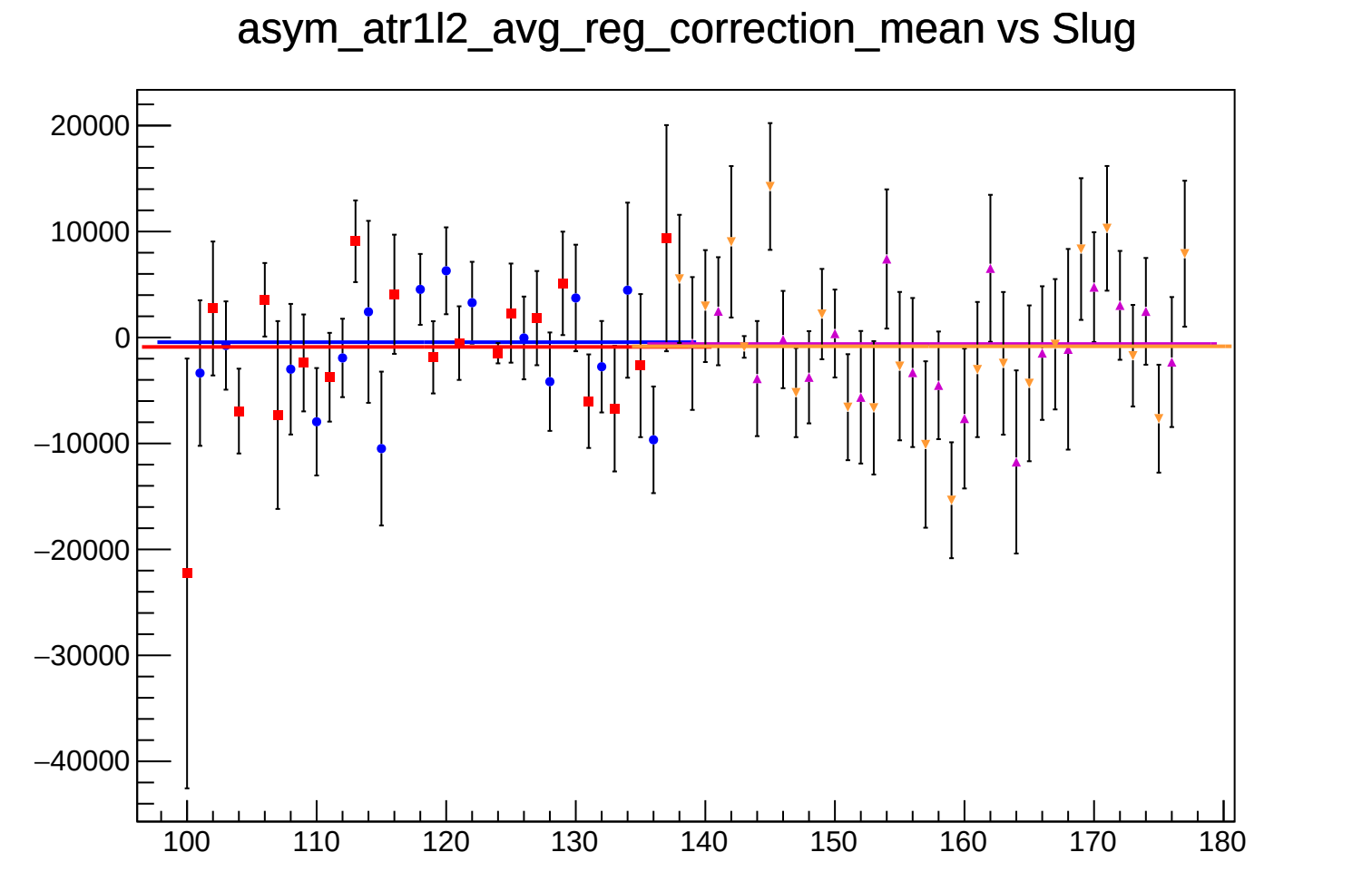
Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1864.880+/-0.335 χ^2/NDF:41255.6/18

+ sign 1837.031+/-0.269 χ^2/NDF: 1011909.7/36

All: 1829.621+/-0.191 χ^2/NDF: 1406643.8/74

- sign 1822.089+/-0.271 χ^2/NDF: 393199.2/37



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -831.447+/-800.609 χ^2/NDF:31.5/20

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

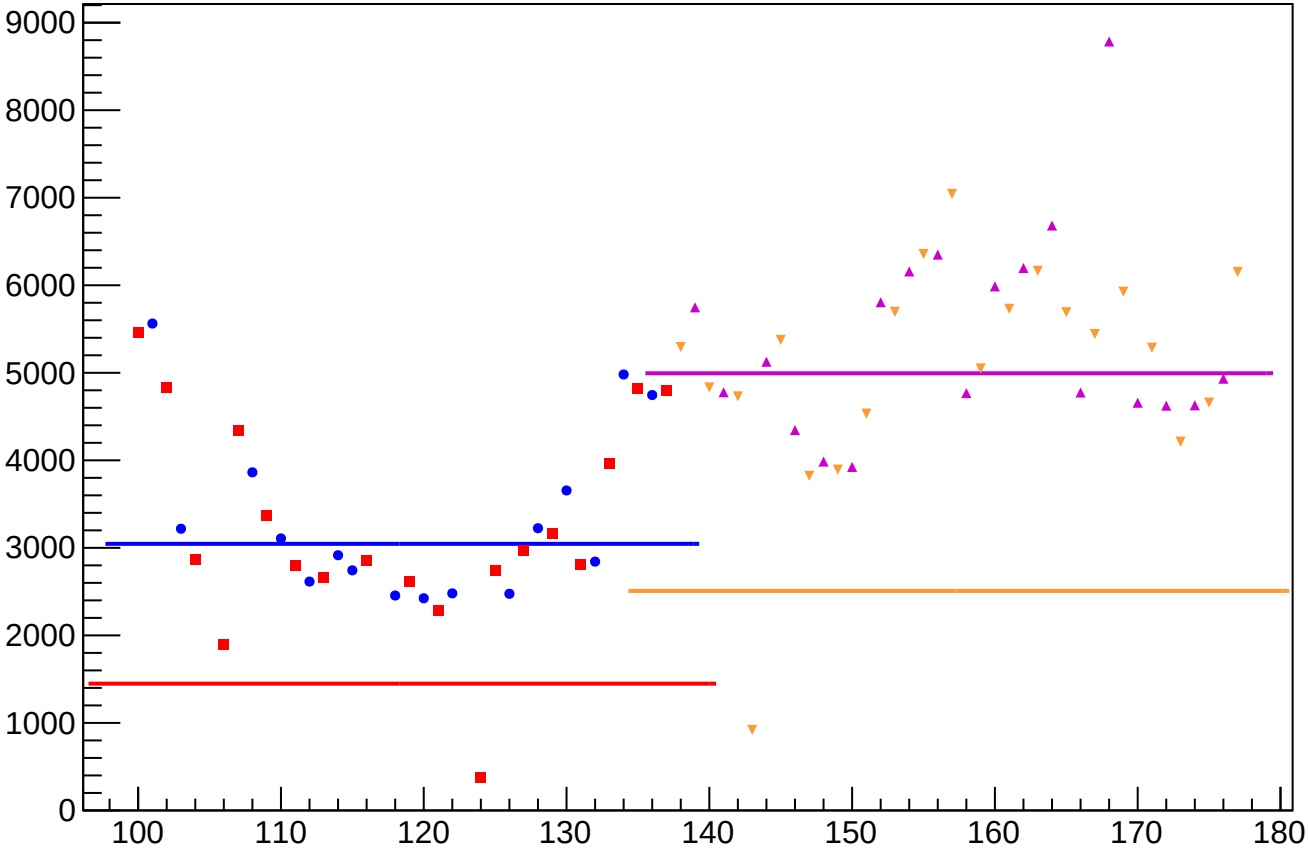
Left In: -617.539+/-1292.788 χ^2/NDF:10.1/18

+ sign -708.610+/-661.525 χ^2/NDF: 47.5/36

All: -770.121+/-457.290 χ^2/NDF: 77.7/74

- sign -826.413+/-632.839 χ^2/NDF: 30.2/37

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2508.264+/-0.566 χ^2/NDF:13308787.9/20

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

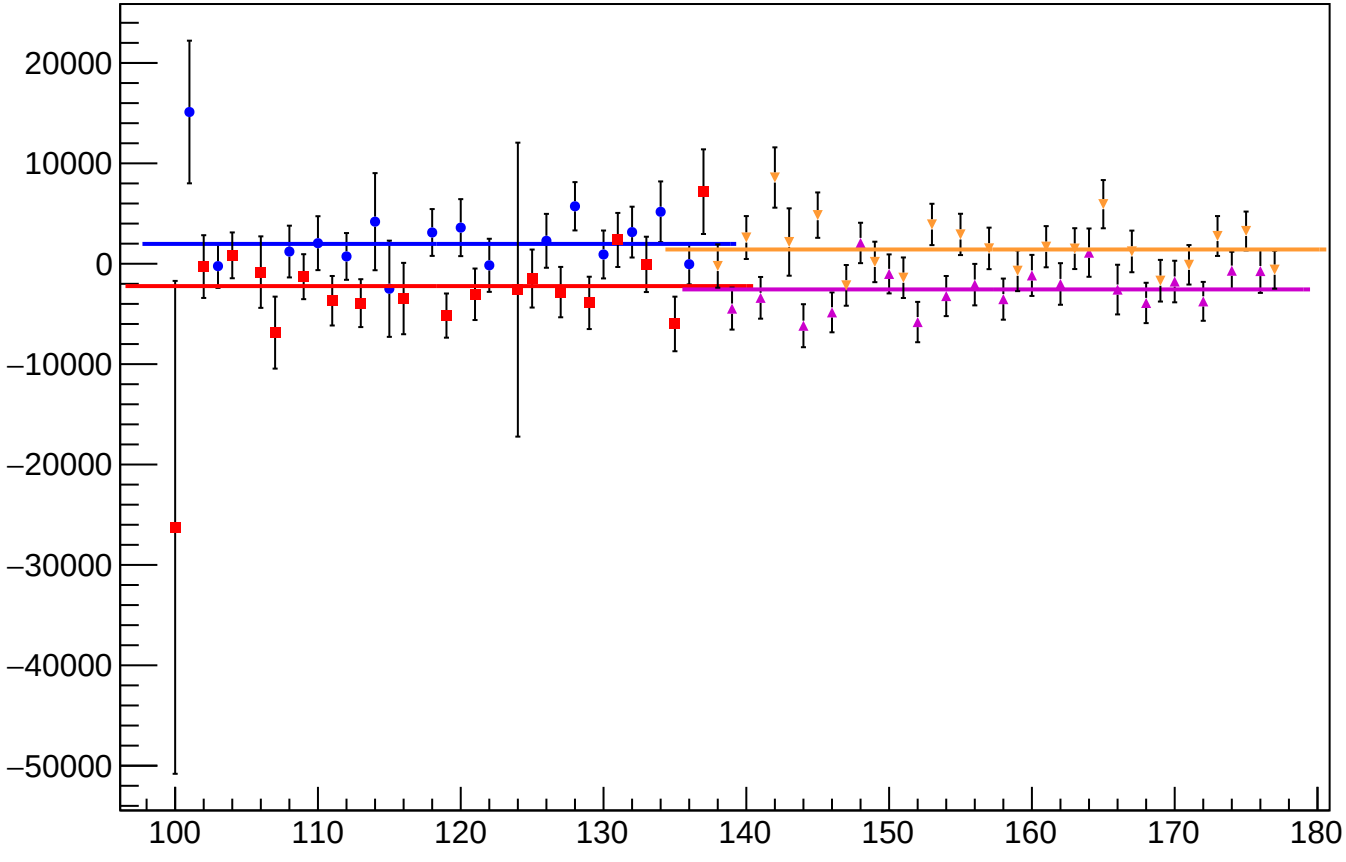
Left In: 4994.662+/-0.914 χ^2/NDF:1022872.2/18

+ sign 2678.844+/-0.468 χ^2/NDF: 14502339.3/36

All: 2480.123+/-0.323 χ^2/NDF: 34100145.0/7

- sign 2298.263+/-0.447 χ^2/NDF: 19252162.9/37

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1421.484+/-461.842 χ^2/NDF:26.3/20

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

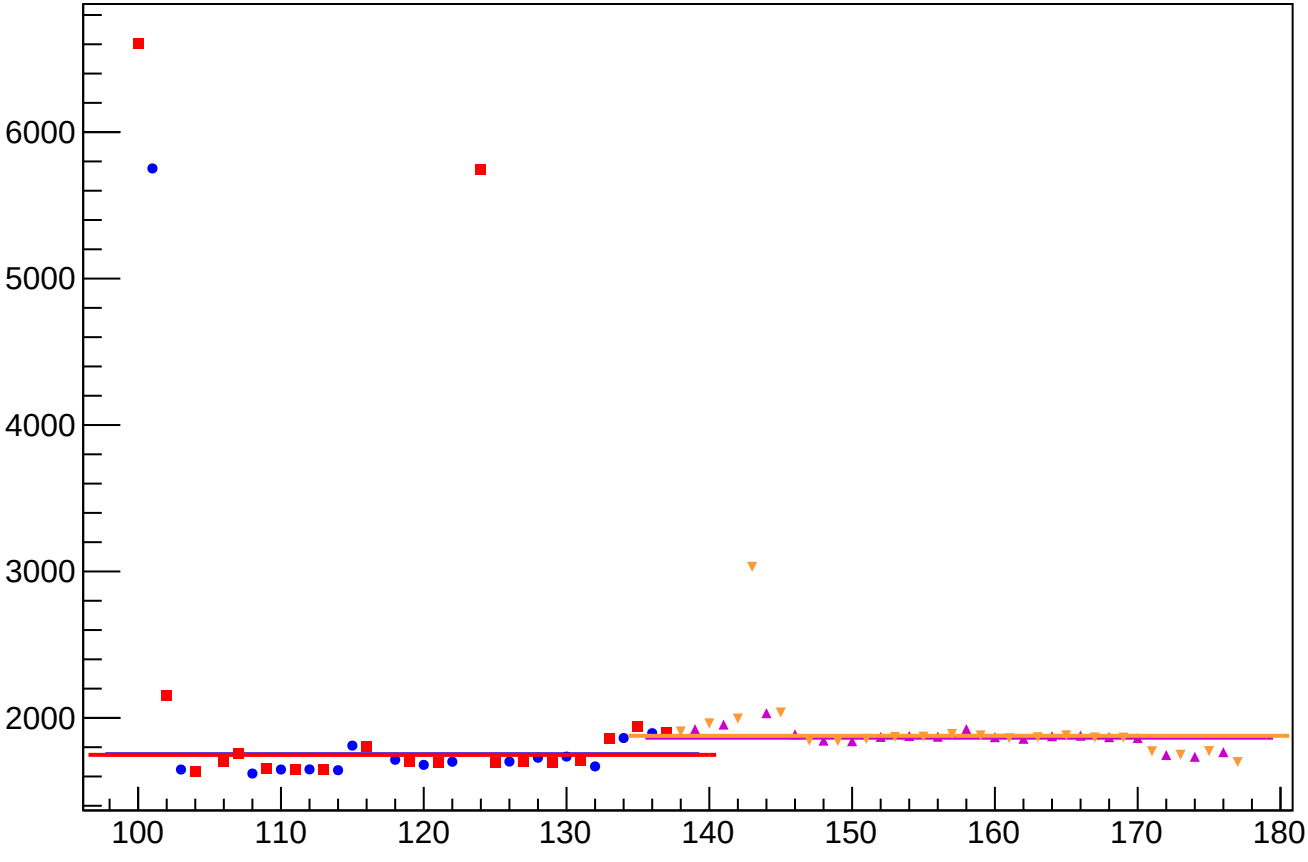
Left In: -2557.364+/-473.400 χ^2/NDF:19.6/18

+ sign 1600.910+/-379.834 χ^2/NDF: 38.9/36

All: -399.839+/-270.023 χ^2/NDF: 133.8/74

- sign -2444.048+/-383.938 χ^2/NDF: 38.7/37

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1877.900+/-0.327 χ^2/NDF:292861.5/20

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

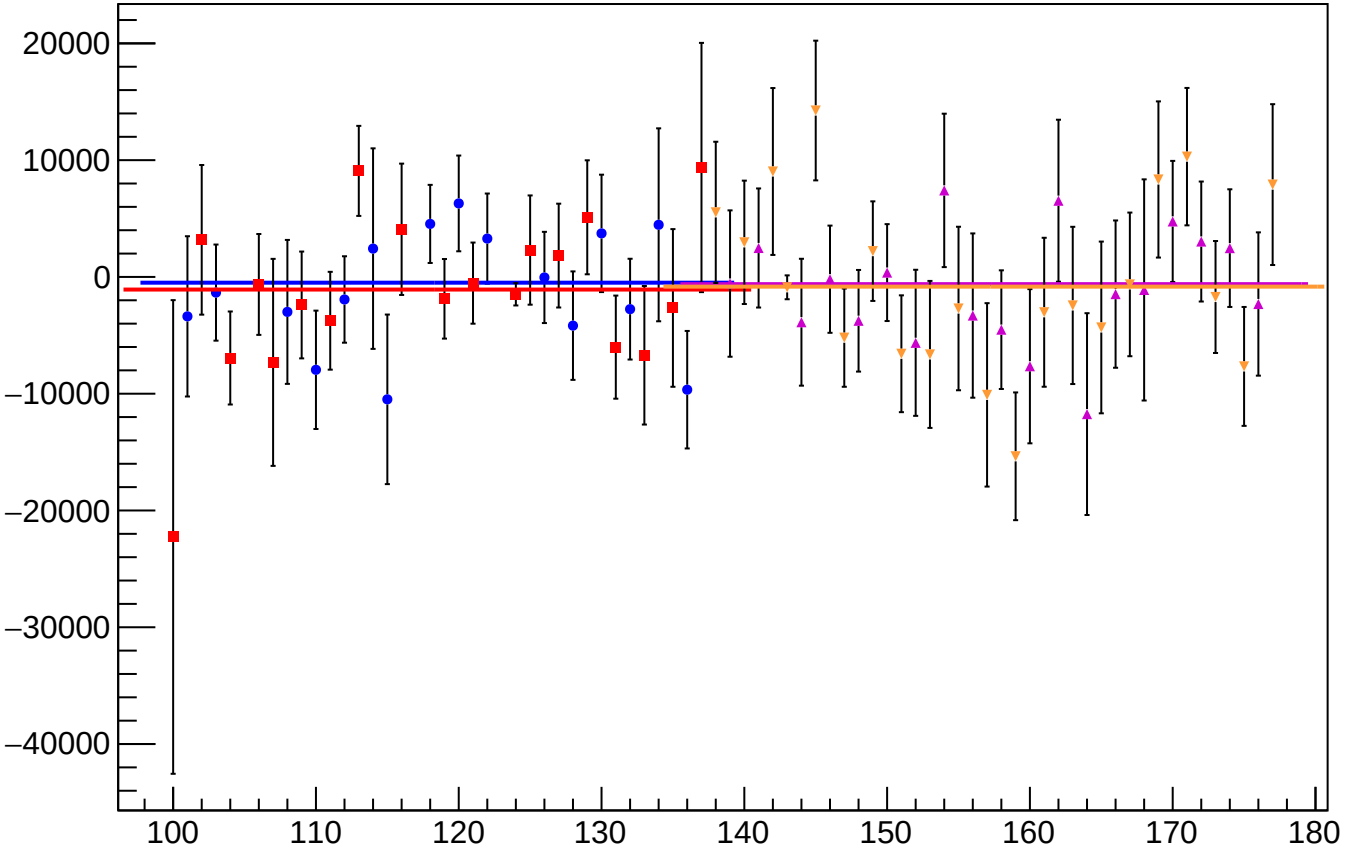
Left In: 1864.881+/-0.335 χ^2/NDF:41255.6/18

+ sign 1837.031+/-0.269 χ^2/NDF: 1011910.2/36

All: 1830.878+/-0.191 χ^2/NDF: 1394227.3/74

- sign 1824.608+/-0.271 χ^2/NDF: 381257.5/37

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -831.297+/-800.589 χ^2/NDF:31.5/20

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

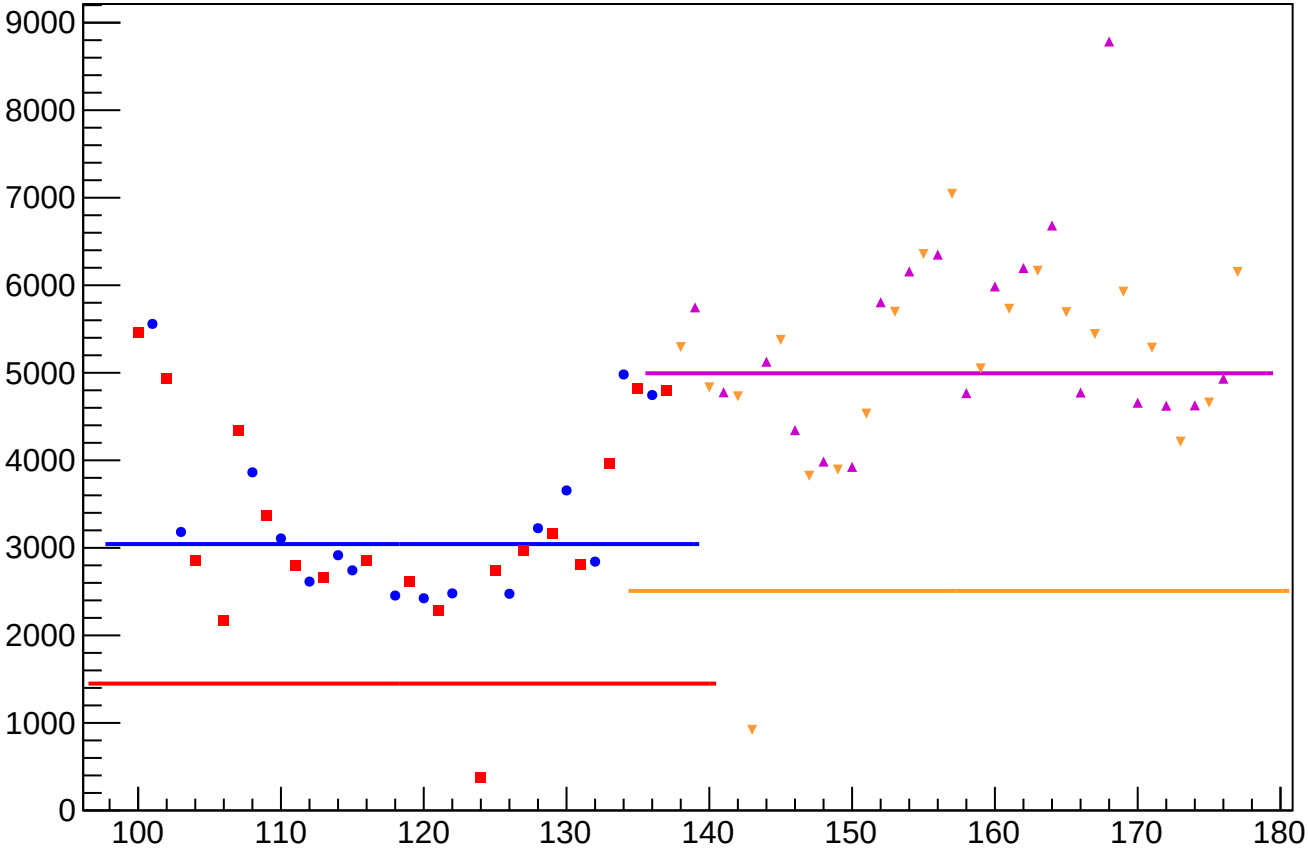
Left In: -617.641+/-1292.788 χ^2/NDF:10.1/18

+ sign -723.792+/-661.297 χ^2/NDF: 47.5/36

All: -850.838+/-458.635 χ^2/NDF: 76.2/74

- sign -968.579+/-636.622 χ^2/NDF: 28.7/37

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2508.161+/-0.566 χ^2/NDF:13309413.3/20

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

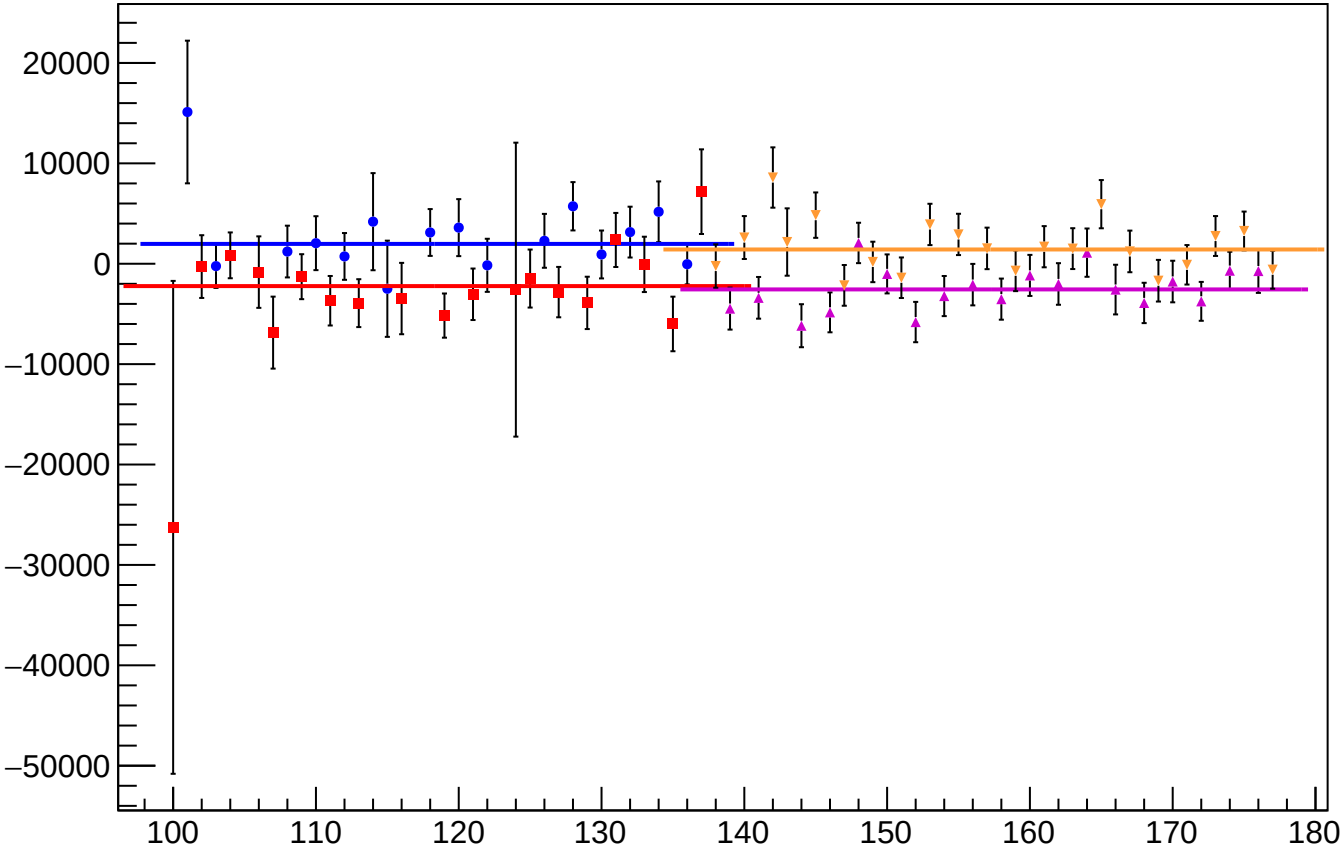
Left In: 4994.662+/-0.914 χ^2/NDF:1022870.6/18

+ sign 2678.167+/-0.468 χ^2/NDF: 14498940.1/36

All: 2486.675+/-0.324 χ^2/NDF: 34063371.2/7

- sign 2309.207+/-0.450 χ^2/NDF: 19241309.1/37

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1421.484+/-461.842 χ^2/NDF:26.3/20

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

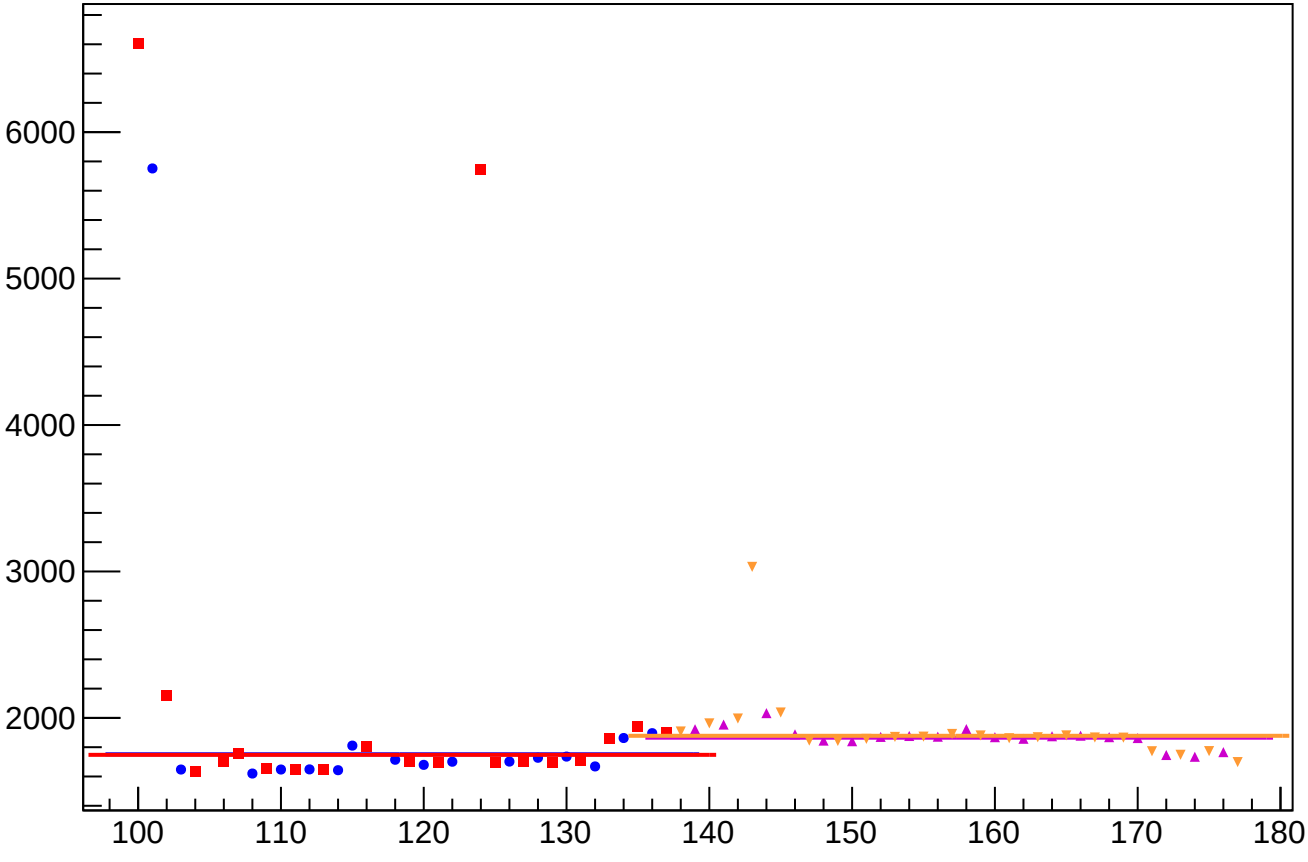
Left In: -2557.364+/-473.400 χ^2/NDF:19.6/18

+ sign 1600.910+/-379.834 χ^2/NDF: 38.9/36

All: -399.839+/-270.023 χ^2/NDF: 133.8/74

- sign -2444.048+/-383.938 χ^2/NDF: 38.7/37

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1877.900+/-0.327 χ^2/NDF:292861.5/20

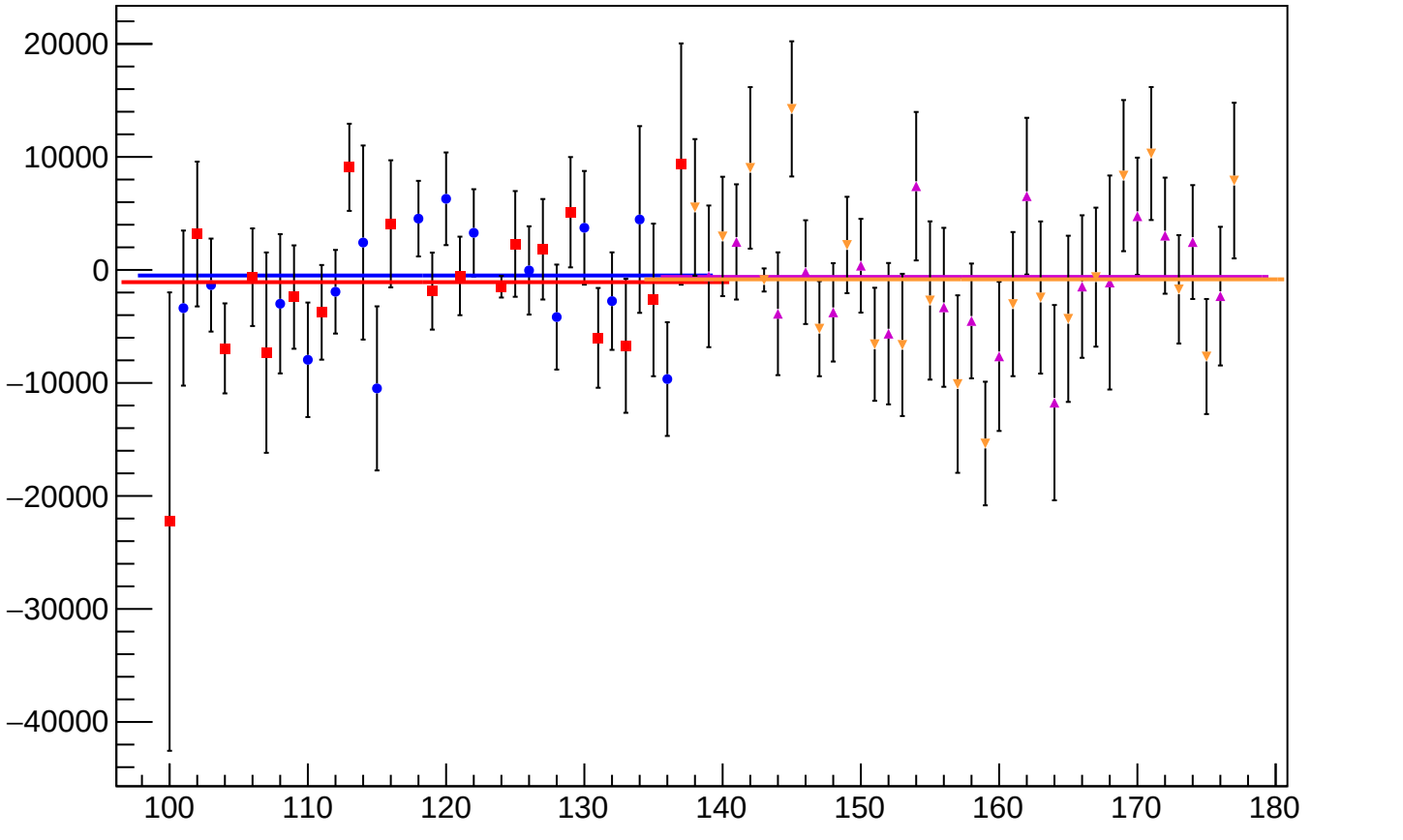
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1864.881+/-0.335 χ^2/NDF:41255.6/18

+ sign 1837.031+/-0.269 χ^2/NDF: 1011910.2/36

All: 1830.878+/-0.191 χ^2/NDF: 1394227.3/74

- sign 1824.608+/-0.271 χ^2/NDF: 381257.5/37



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -831.297+/-800.589 χ^2/NDF:31.5/20

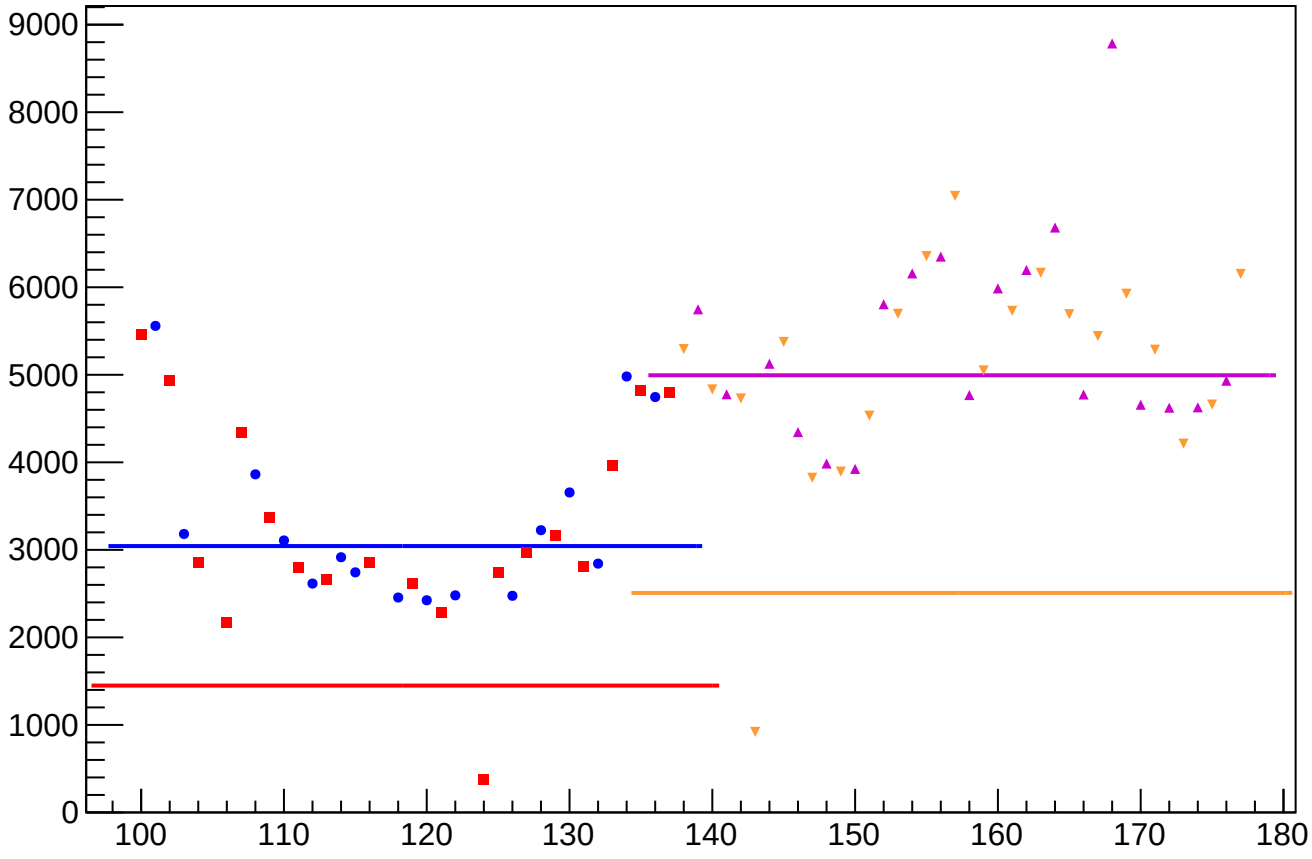
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -617.641+/-1292.788 χ^2/NDF:10.1/18

+ sign -723.792+/-661.297 χ^2/NDF: 47.5/36

All: -850.838+/-458.635 χ^2/NDF: 76.2/74

- sign -968.579+/-636.622 χ^2/NDF: 28.7/37



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2508.161+/-0.566 χ^2/NDF:13309413.3/20

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

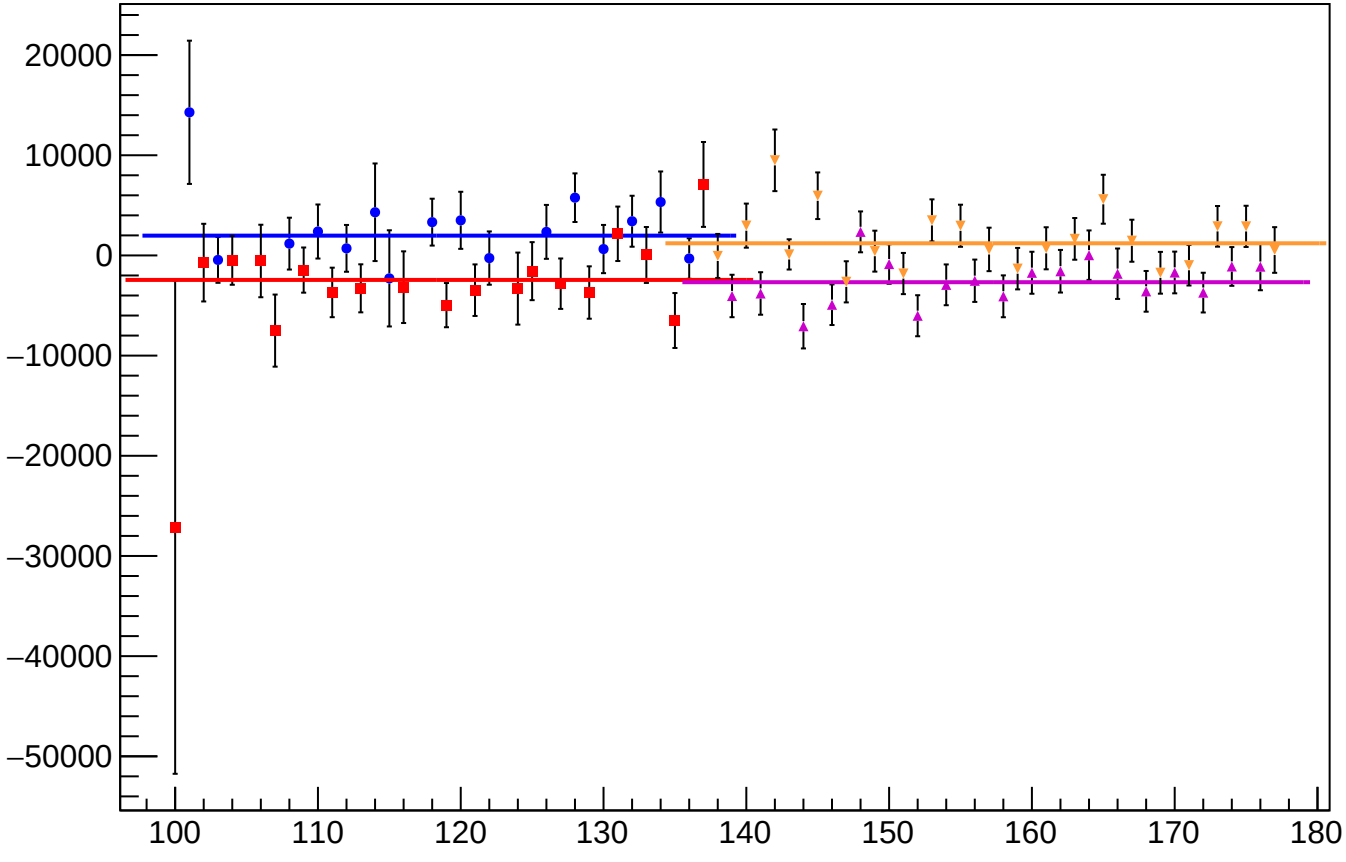
Left In: 4994.662+/-0.914 χ^2/NDF:1022870.6/18

+ sign 2678.167+/-0.468 χ^2/NDF: 14498940.1/36

All: 2486.675+/-0.324 χ^2/NDF: 34063371.2/7

- sign 2309.207+/-0.450 χ^2/NDF: 19241309.1/37

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1213.032+/-458.666 χ^2/NDF:30.2/20

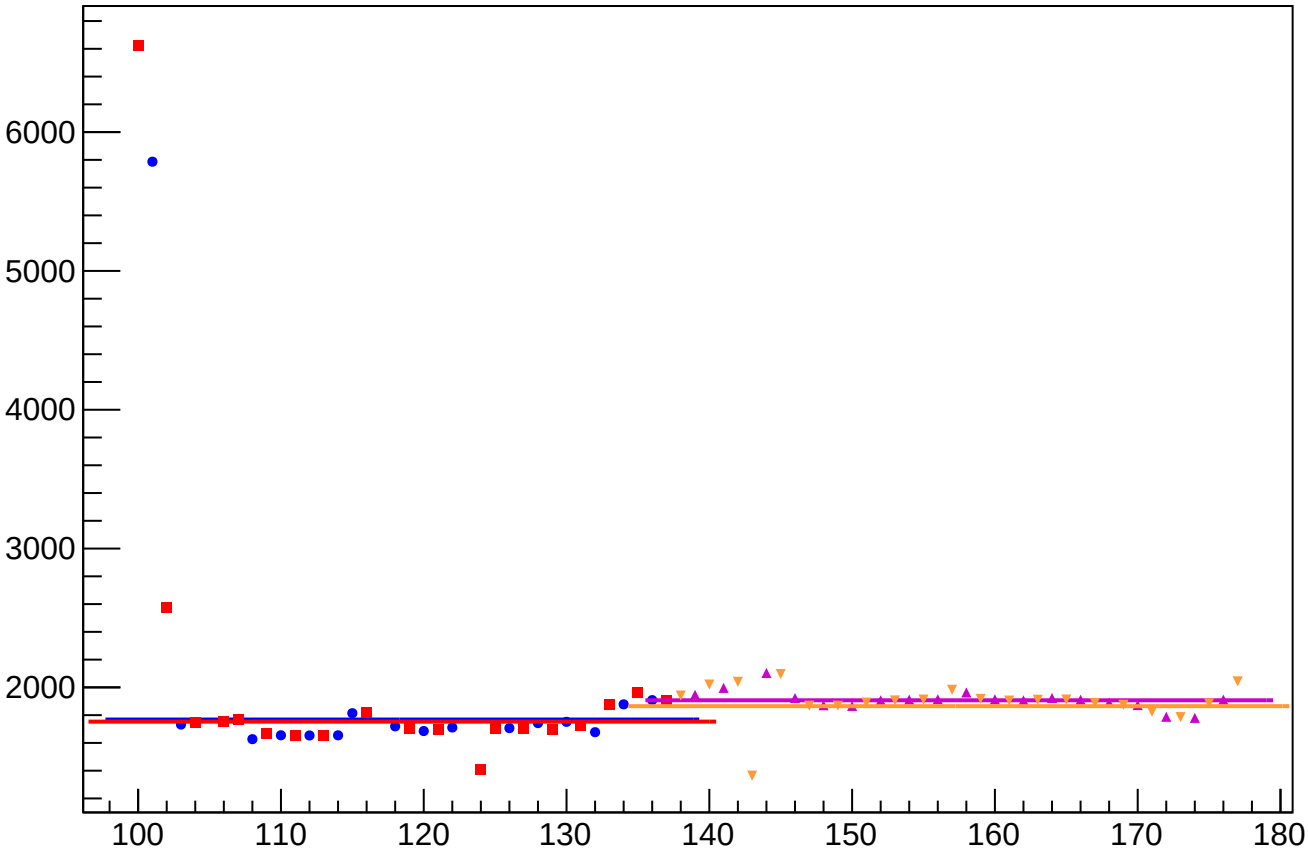
Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: -2672.714+/-484.108 χ^2/NDF:19.5/18

+ sign 1454.422+/-379.208 χ^2/NDF: 43.5/36

All: -512.875+/-271.834 χ^2/NDF: 135.9/74

- sign -2592.411+/-389.875 χ^2/NDF: 37.0/37



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1864.807+/-0.324 χ^2/NDF:286795.6/20

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

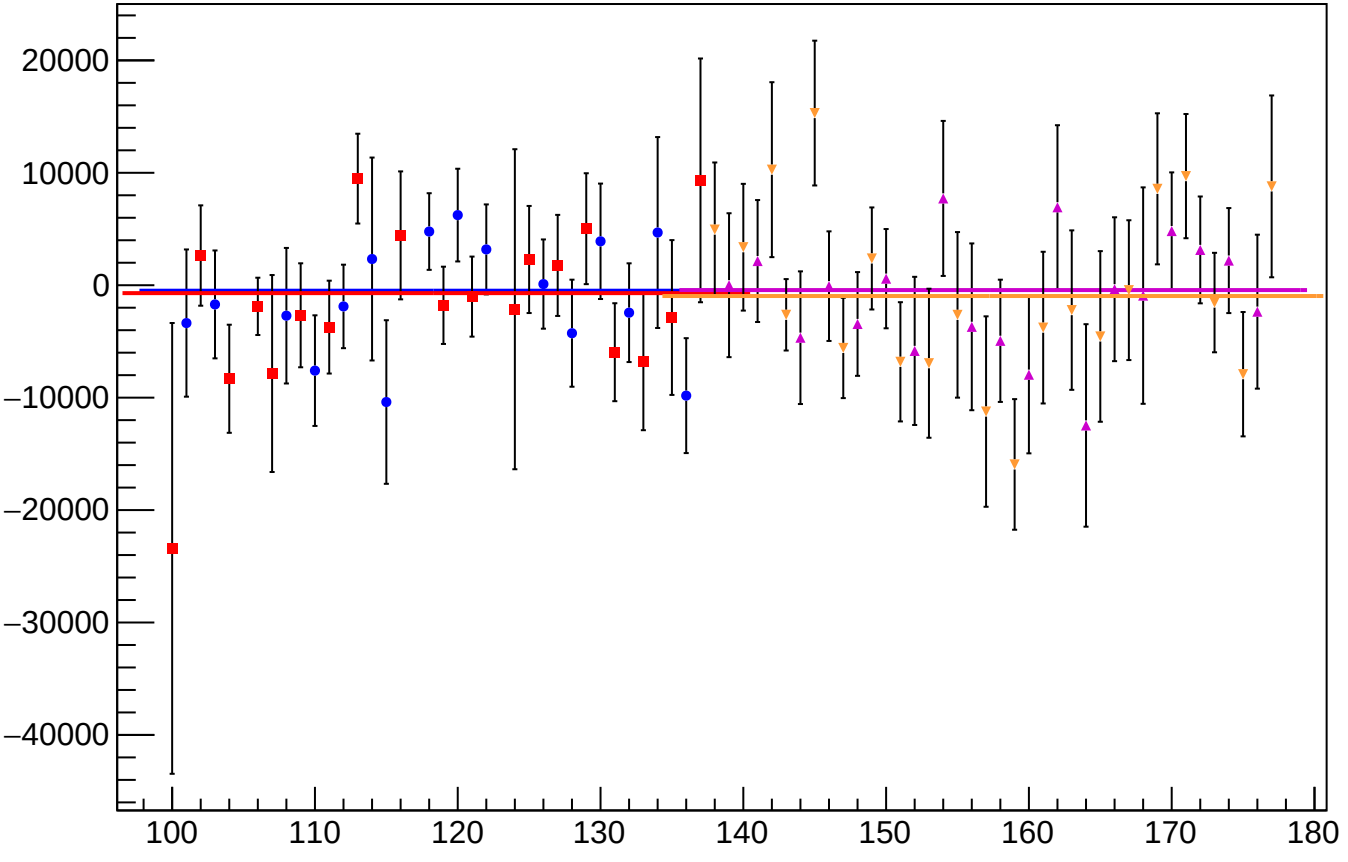
Left In: 1907.056+/-0.342 χ^2/NDF:39644.7/18

+ sign 1834.323+/-0.268 χ^2/NDF: 982079.0/36

All: 1843.346+/-0.192 χ^2/NDF: 1313981.3/74

- sign 1852.867+/-0.275 χ^2/NDF: 329574.9/37

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -960.446+/-1233.251 χ^2/NDF:31.4/20

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

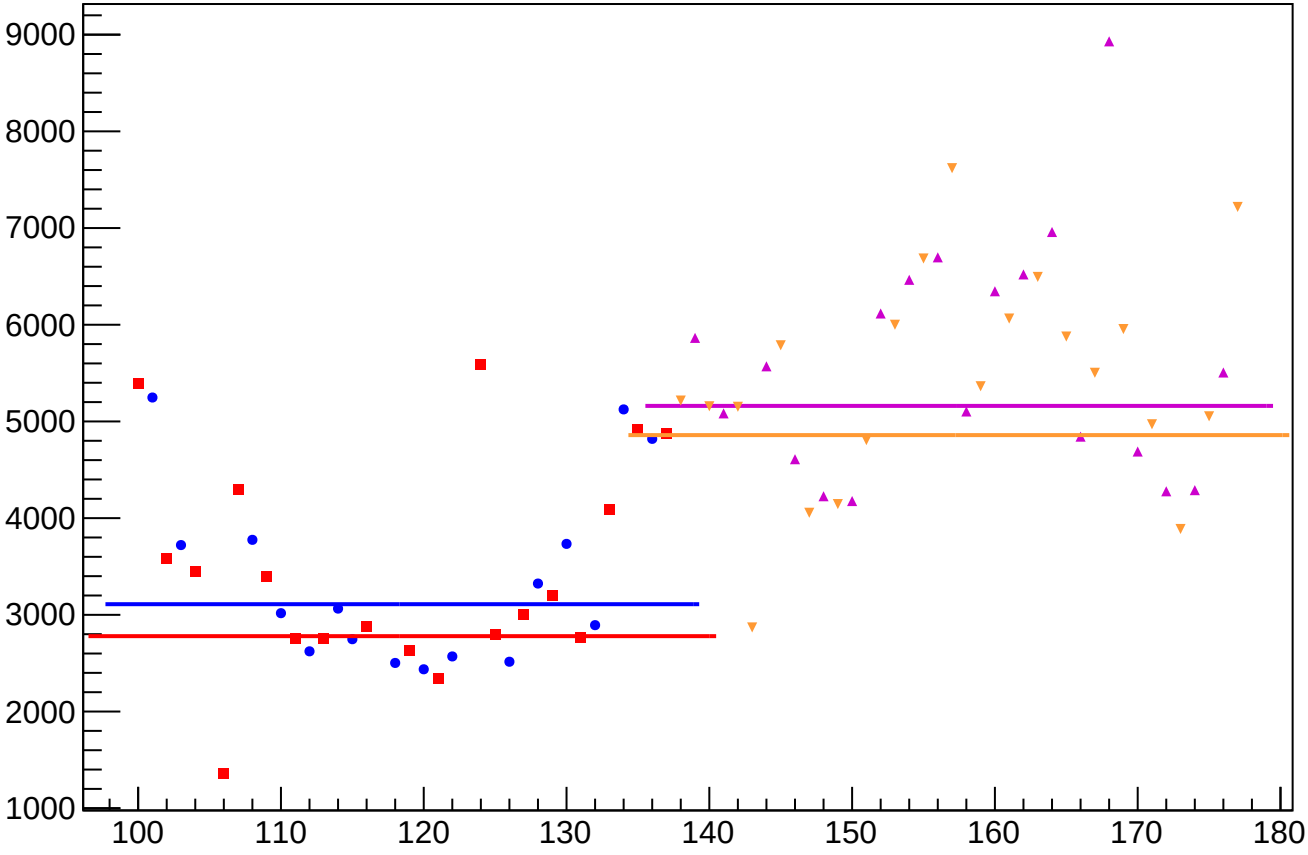
Left In: -431.812+/-1338.090 χ^2/NDF:10.1/18

+ sign -717.528+/-859.493 χ^2/NDF: 47.2/36

All: -655.804+/-599.061 χ^2/NDF: 76.2/74

- sign -597.489+/-835.420 χ^2/NDF: 29.0/37

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4858.684+/-0.872 χ^2/NDF:1916769.8/20

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

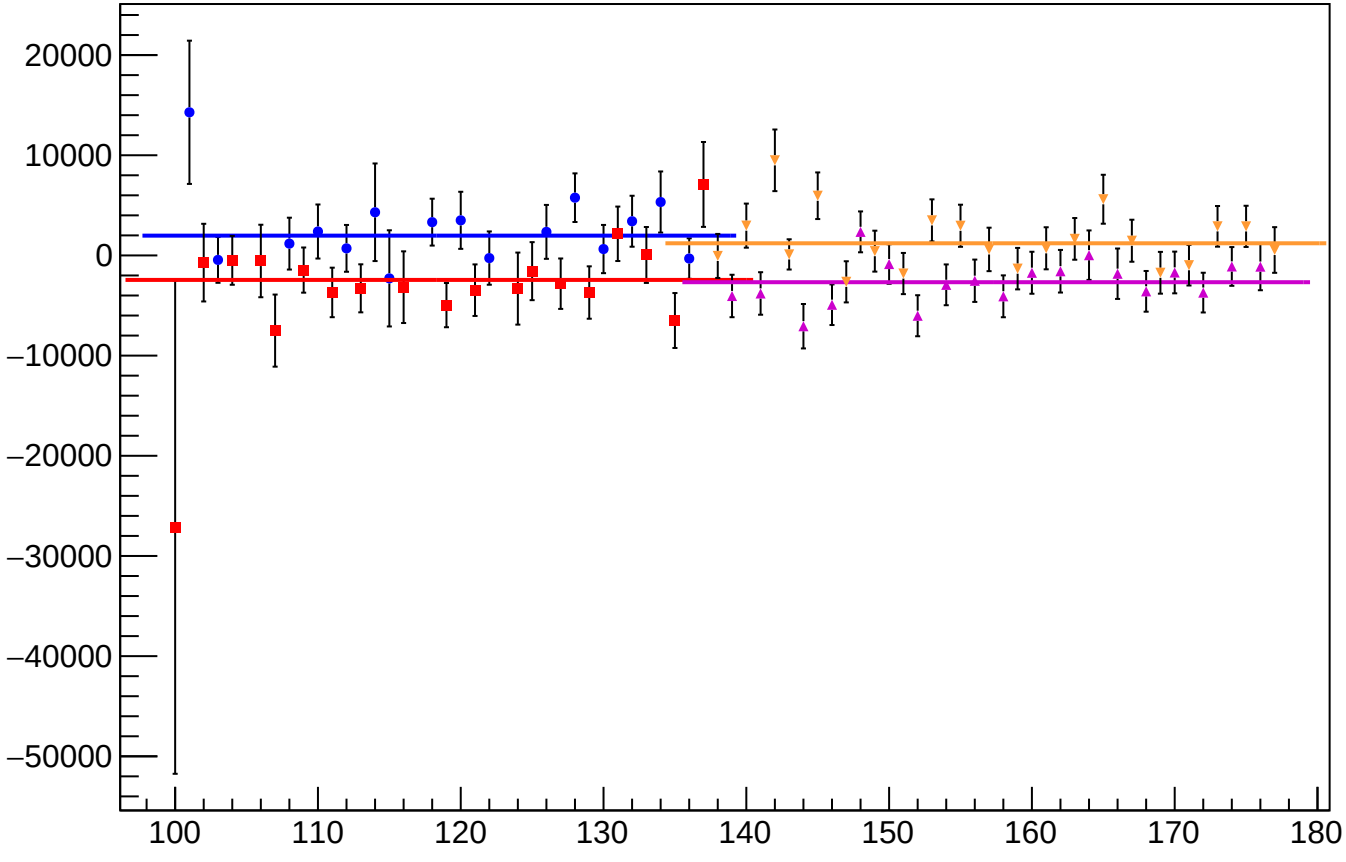
Left In: 5160.861+/-0.946 χ^2/NDF:1119219.0/18

+ sign 3959.429+/-0.608 χ^2/NDF: 4867733.3/36

All: 3830.055+/-0.424 χ^2/NDF: 11288104.9/7

- sign 3707.827+/-0.591 χ^2/NDF: 6332244.6/37

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1213.030+/-458.667 χ^2/NDF:30.2/20

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

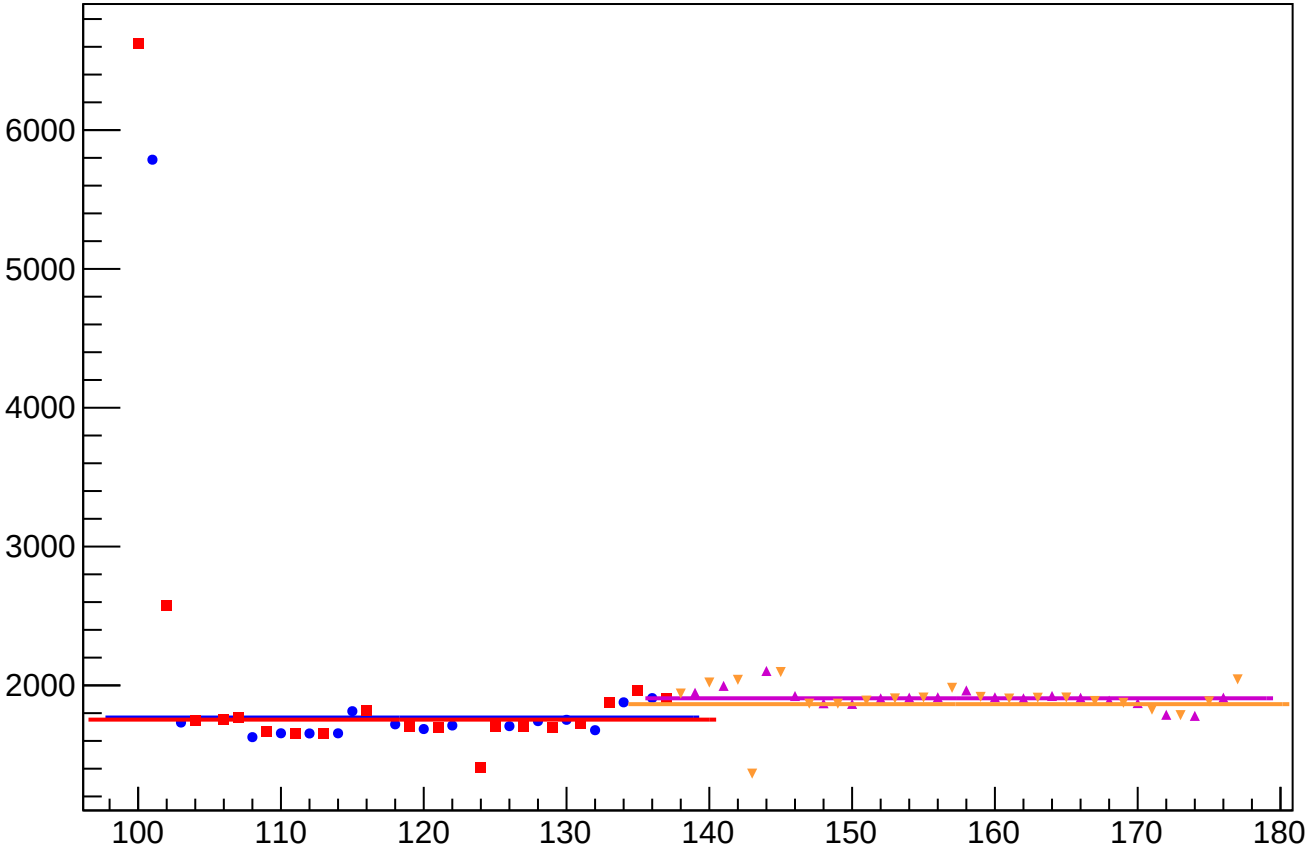
Left In: -2672.714+/-484.108 χ^2/NDF:19.5/18

+ sign 1454.421+/-379.208 χ^2/NDF: 43.5/36

All: -512.875+/-271.834 χ^2/NDF: 135.9/74

- sign -2592.411+/-389.876 χ^2/NDF: 37.0/37

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1864.807+/-0.324 χ^2/NDF:286798.4/20

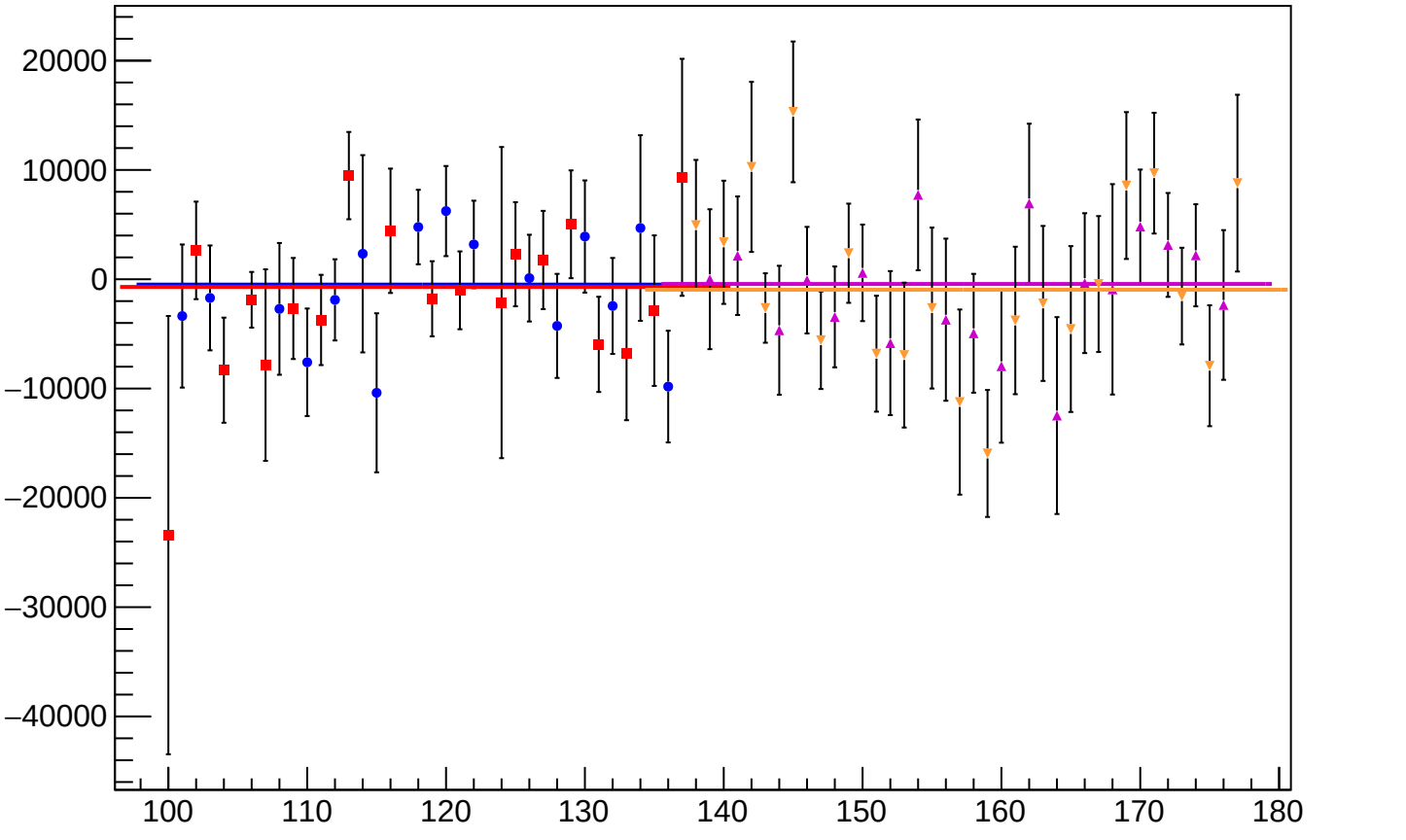
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1907.057+/-0.342 χ^2/NDF:39646.0/18

+ sign 1834.323+/-0.268 χ^2/NDF: 982082.3/36

All: 1843.347+/-0.192 χ^2/NDF: 1313986.5/74

- sign 1852.867+/-0.275 χ^2/NDF: 329576.9/37



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -960.451+/-1233.253 χ^2/NDF:31.4/20

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

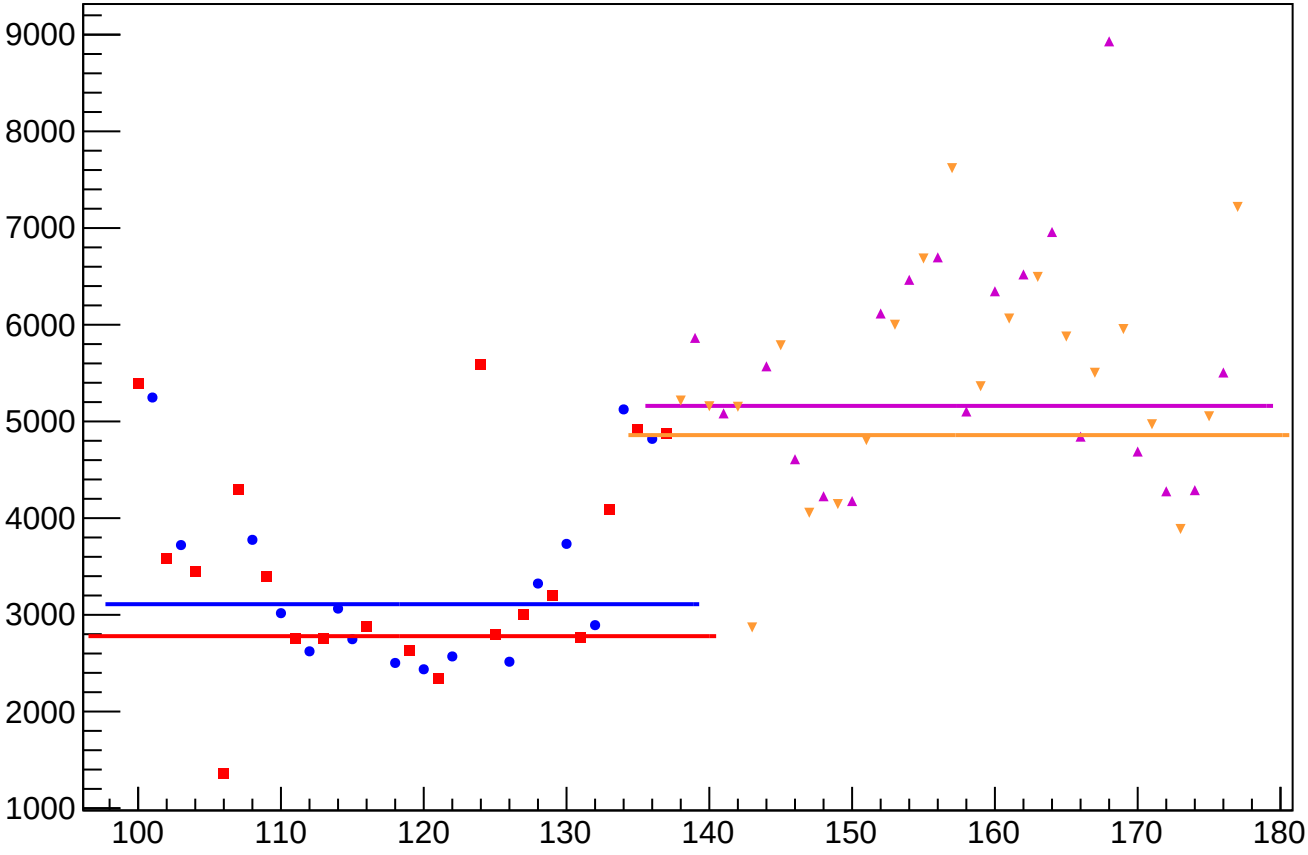
Left In: -431.813+/-1338.092 χ^2/NDF:10.1/18

+ sign -717.526+/-859.492 χ^2/NDF: 47.2/36

All: -655.804+/-599.060 χ^2/NDF: 76.2/74

- sign -597.491+/-835.418 χ^2/NDF: 29.0/37

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4858.690+/-0.872 χ^2/NDF:1916776.5/20

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

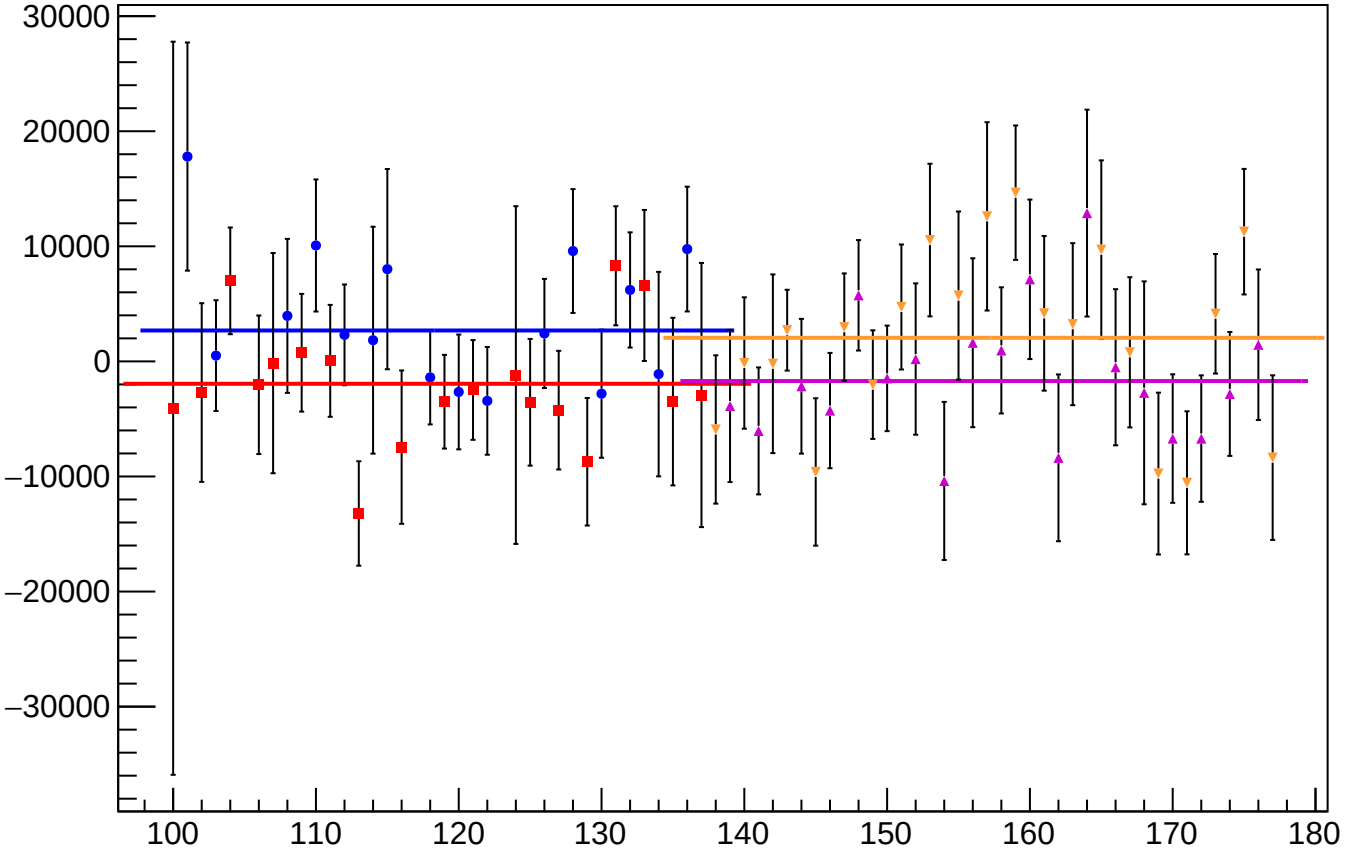
Left In: 5160.868+/-0.946 χ^2/NDF:1119220.2/18

+ sign 3959.423+/-0.608 χ^2/NDF: 4867794.8/36

All: 3830.046+/-0.424 χ^2/NDF: 11288260.9/7

- sign 3707.816+/-0.591 χ^2/NDF: 6332335.9/37

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2049.727+/-1284.707 χ^2/NDF:27.5/20

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

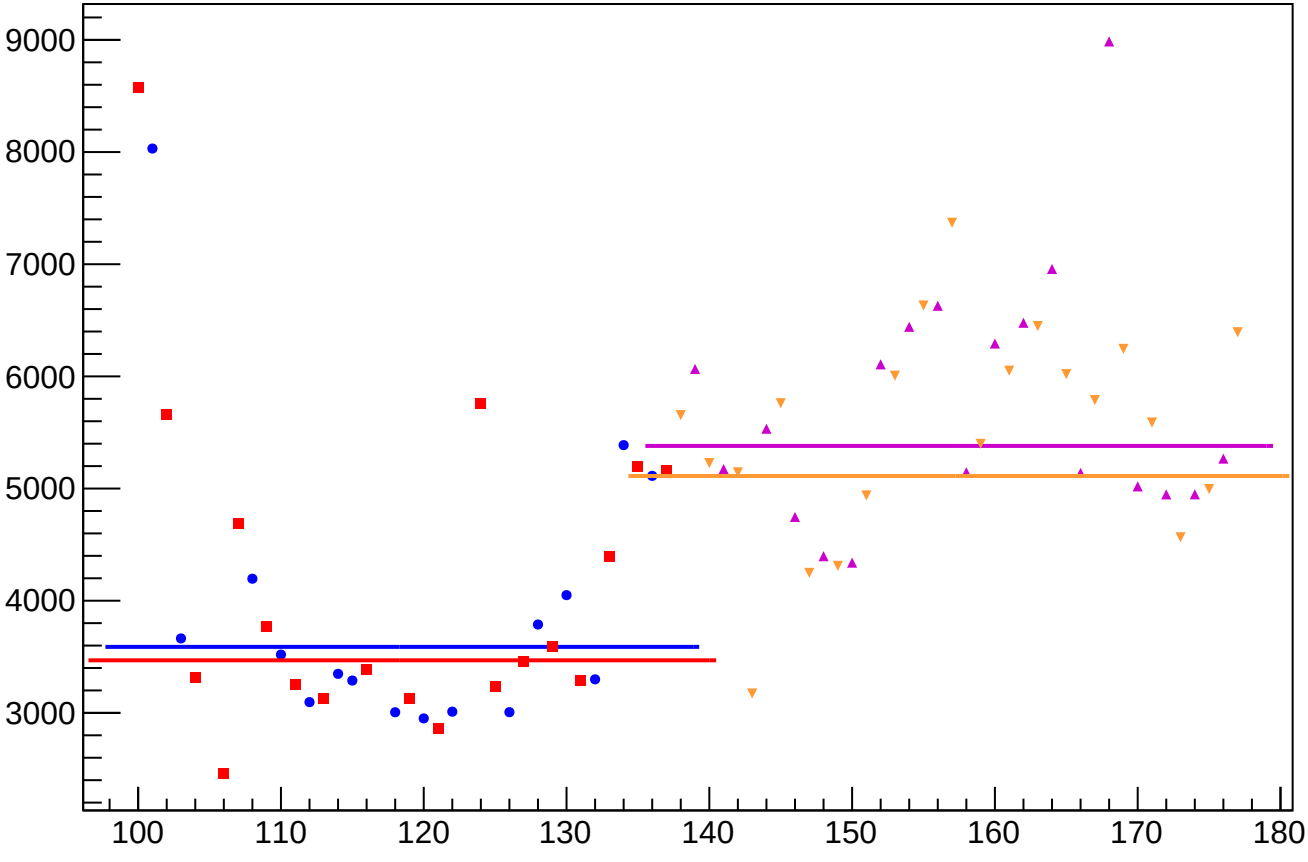
Left In: -1708.312+/-1387.226 χ^2/NDF:12.6/18

+ sign 2344.888+/-940.281 χ^2/NDF: 41.1/36

All: 302.451+/-672.142 χ^2/NDF: 82.1/74

- sign -1831.730+/-961.167 χ^2/NDF: 31.3/37

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5112.087+/-0.908 χ^2/NDF:1364580.2/20

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

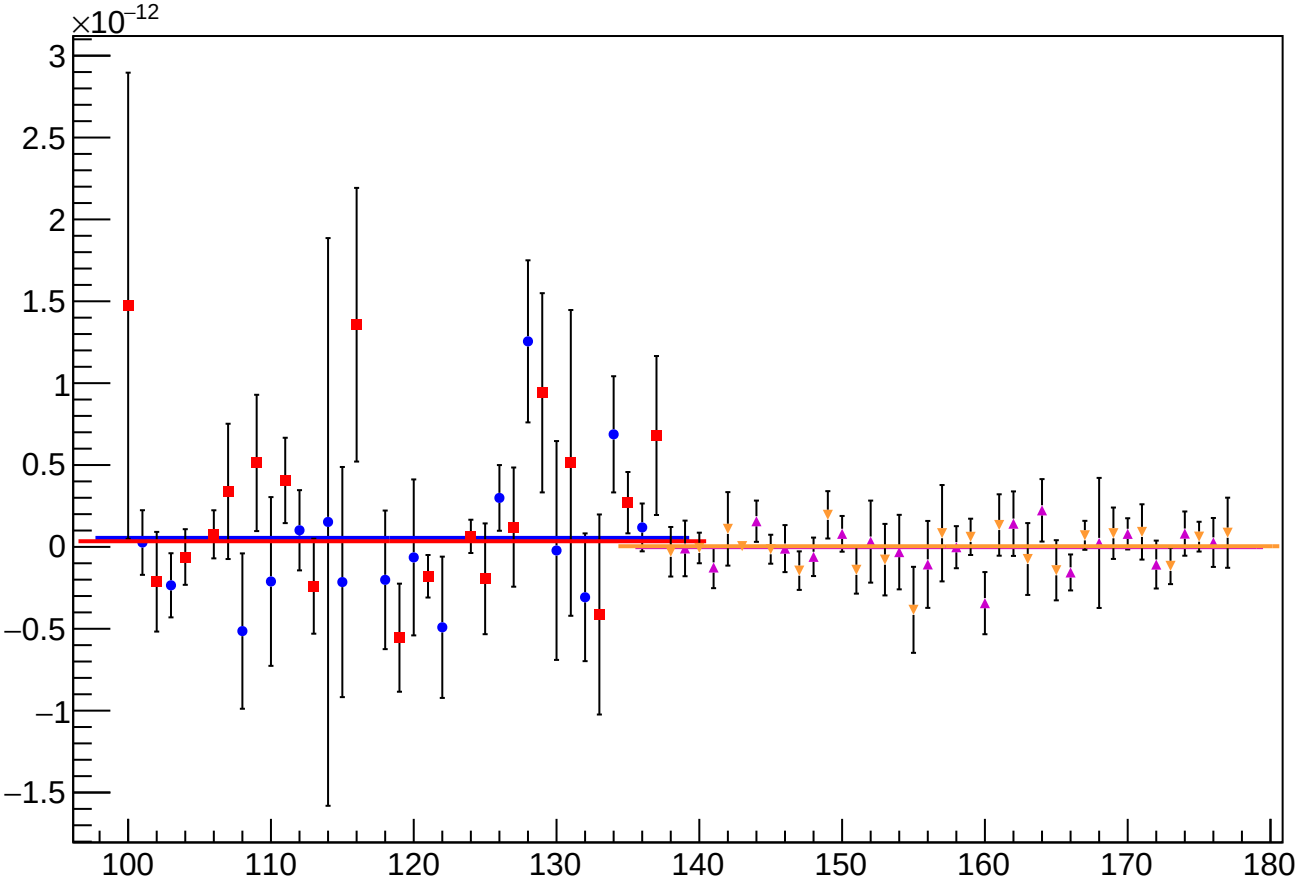
Left In: 5380.052+/-0.981 χ^2/NDF:834837.2/18

+ sign 4404.624+/-0.665 χ^2/NDF: 3516006.8/36

All: 4388.366+/-0.473 χ^2/NDF: 7021813.8/74

- sign 4371.648+/-0.674 χ^2/NDF: 3504594.2/37

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:11.4/20

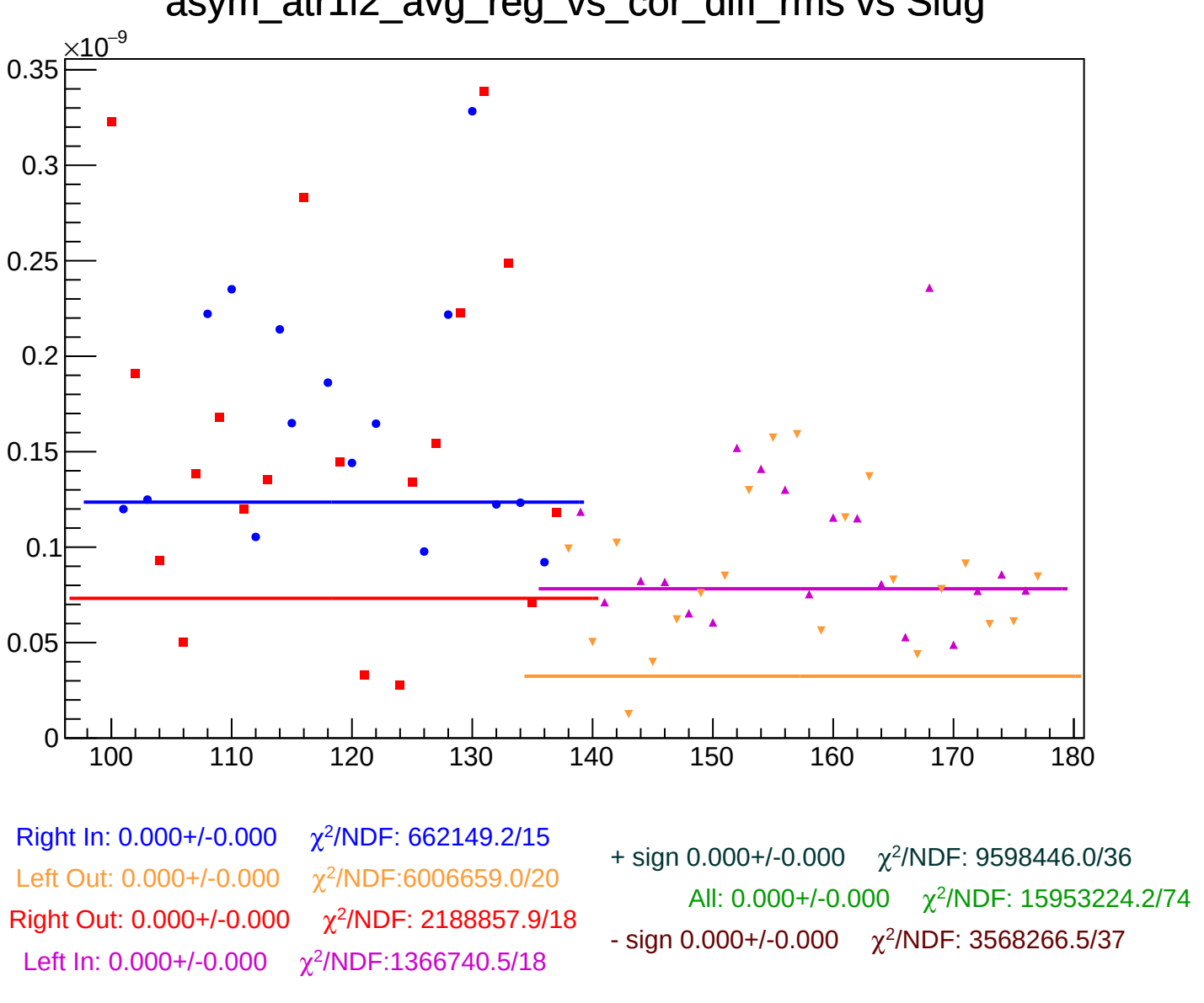
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

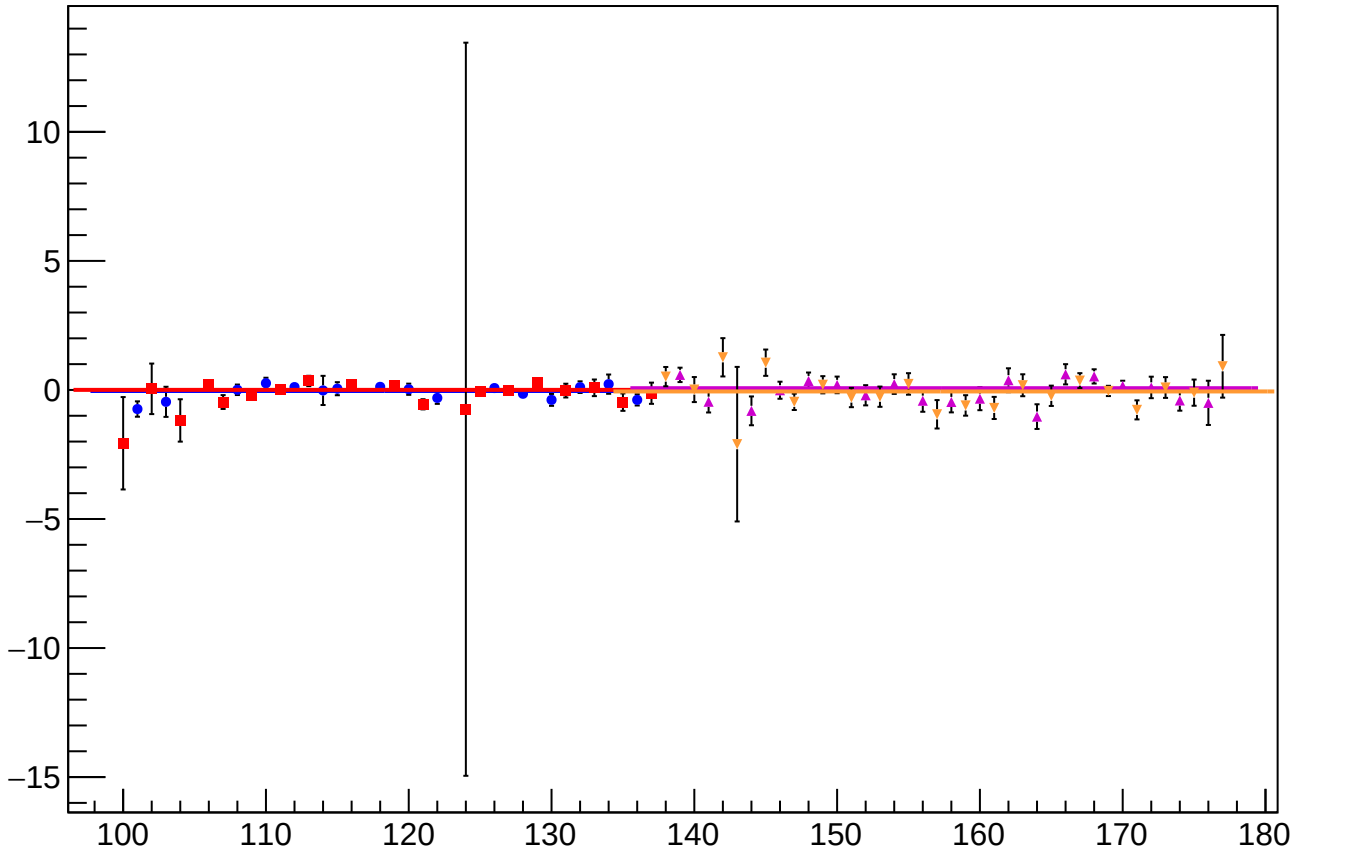
Left In: -0.000+/-0.000 χ^2/NDF:12.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/36

All: 0.000+/-0.000 χ^2/NDF: 64.5/74

- sign 0.000+/-0.000 χ^2/NDF: 34.9/37


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:6006659.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:1366740.5/18
+ sign 0.000+/-0.000 χ²/NDF: 9598446.0/36
All: 0.000+/-0.000 χ²/NDF: 15953224.2/74
- sign 0.000+/-0.000 χ²/NDF: 3568266.5/37



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

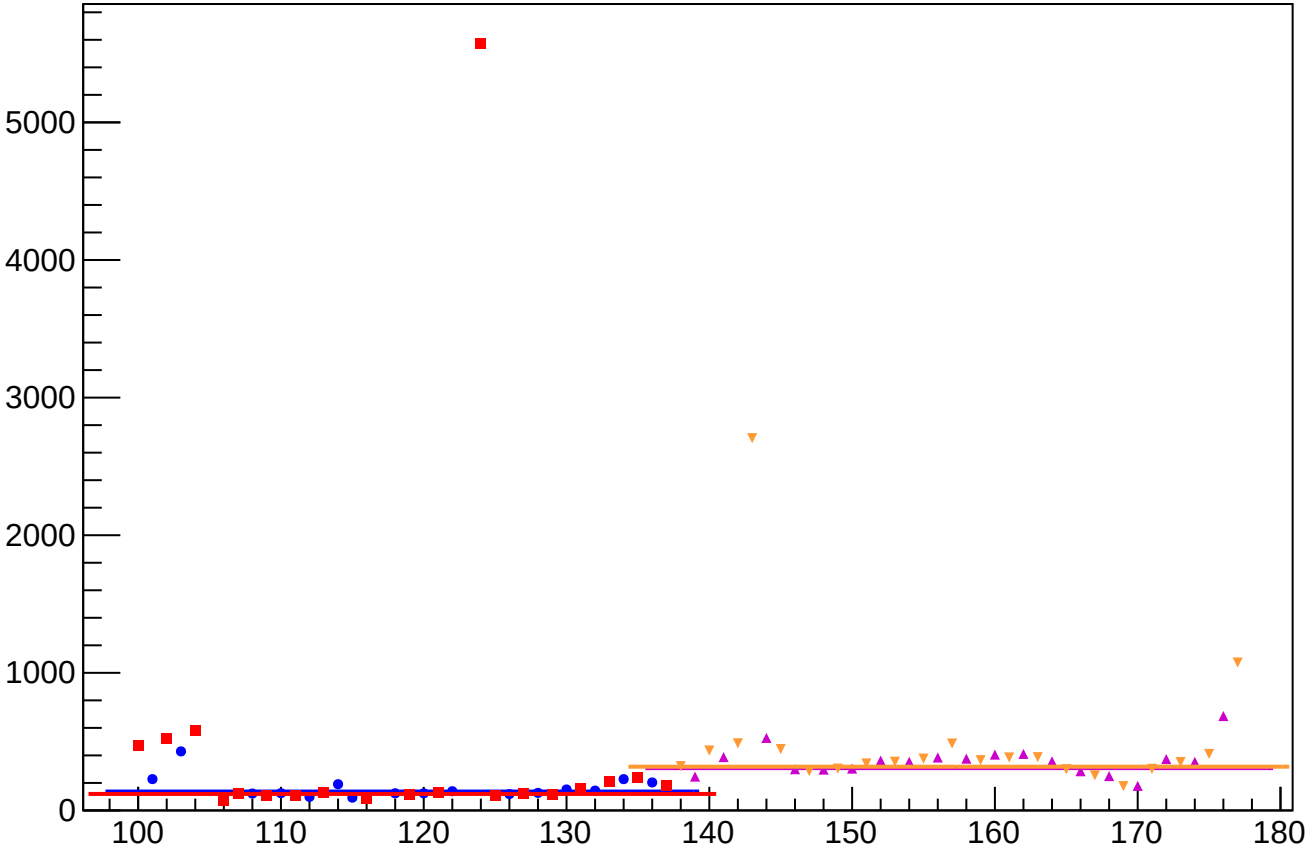
Left In: 0.068+/-0.083 χ^2/NDF:25.4/18

\+ sign -0.045+/-0.047 χ^2/NDF: 46.0/36

All: -0.010+/-0.032 χ^2/NDF: 101.6/74

\- sign 0.021+/-0.043 χ^2/NDF: 54.5/37

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 318.042+/-0.060 χ^2/NDF:3999750.2/20

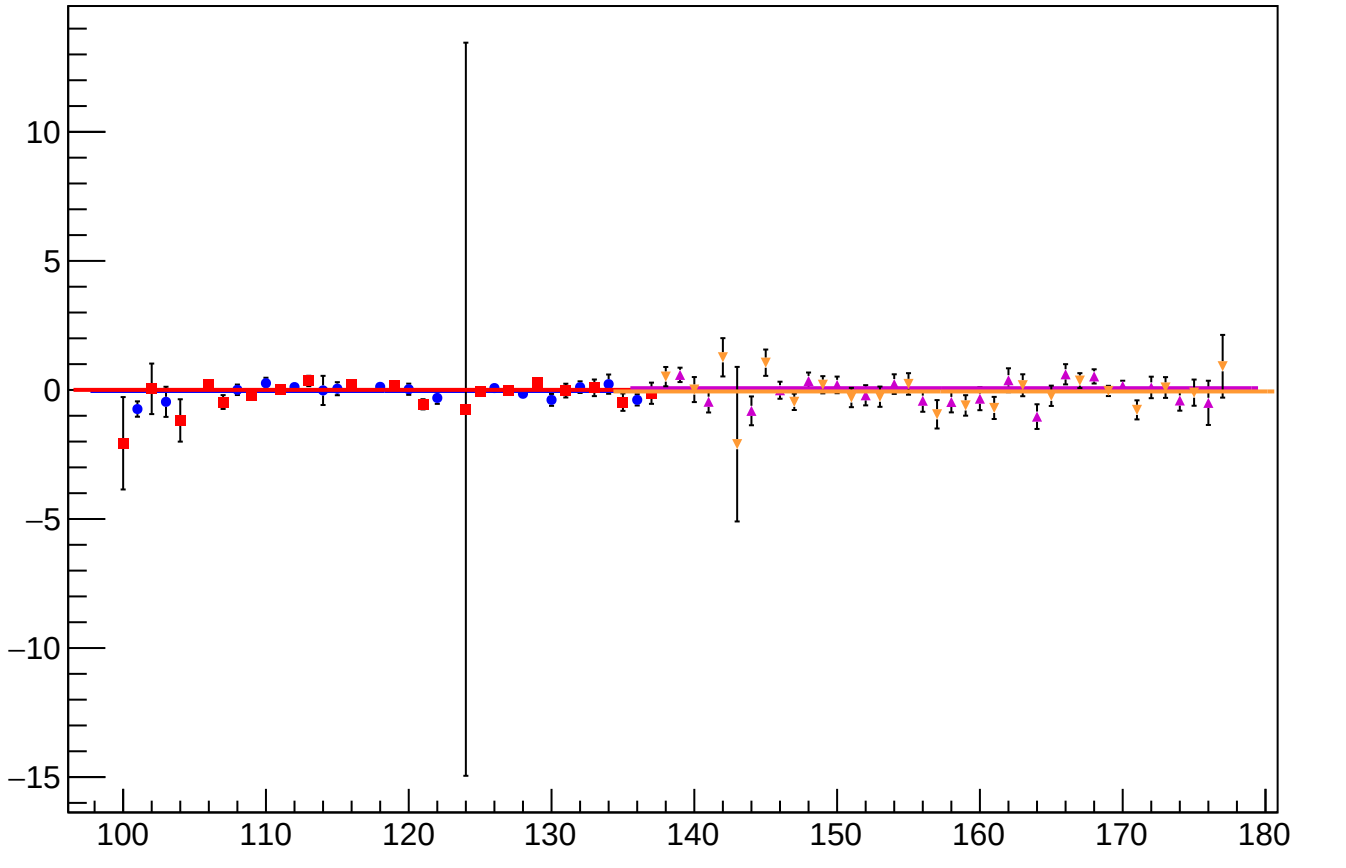
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 307.529+/-0.058 χ^2/NDF:2275101.7/18

+ sign 191.749+/-0.033 χ^2/NDF: 11569718.6/36

All: 180.989+/-0.022 χ^2/NDF: 23659707.5/74

- sign 171.710+/-0.031 χ^2/NDF: 11892022.0/37



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

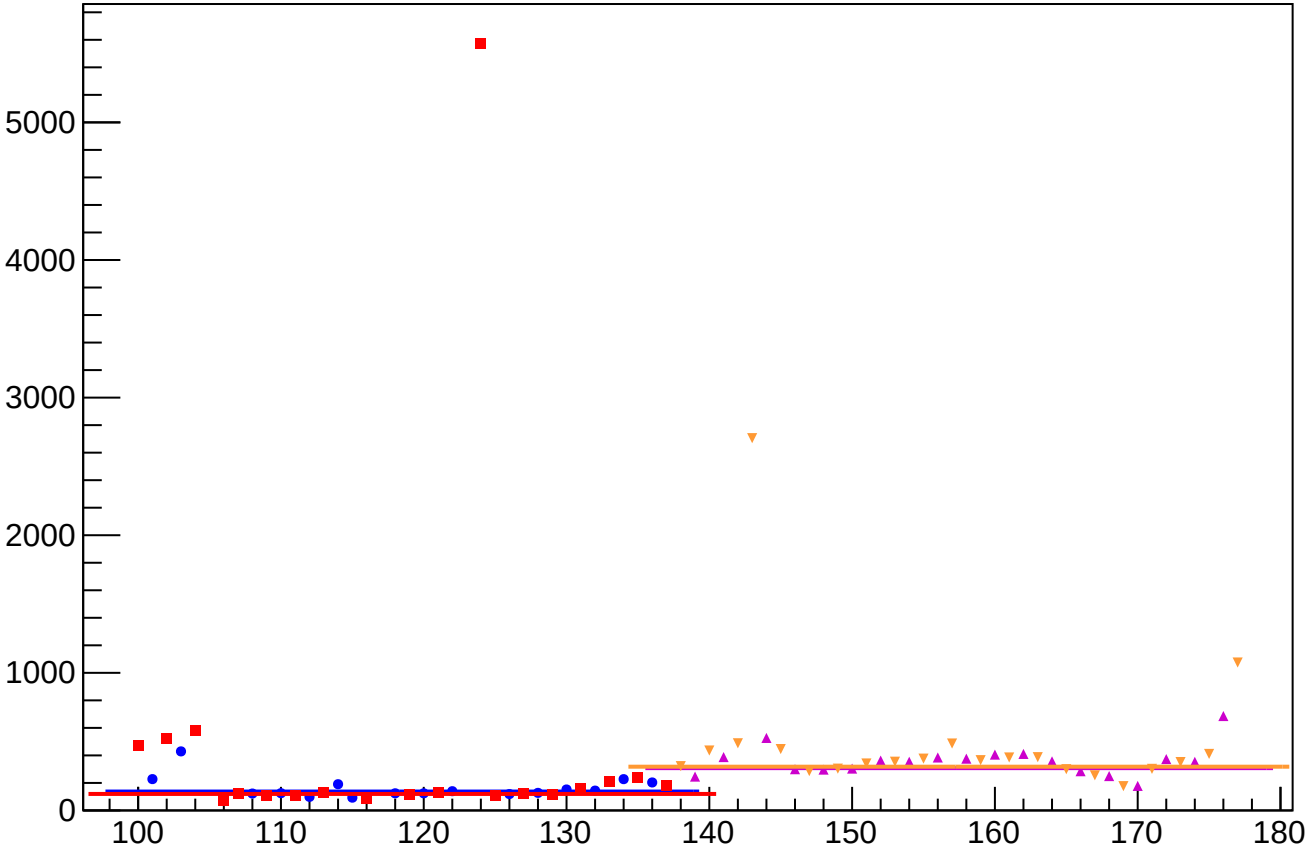
Left In: 0.068+/-0.083 χ^2/NDF:25.4/18

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/36

All: -0.010+/-0.032 χ^2/NDF: 101.6/74

- sign 0.021+/-0.043 χ^2/NDF: 54.5/37

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: 318.042+/-0.060 χ^2/NDF:3999750.2/20

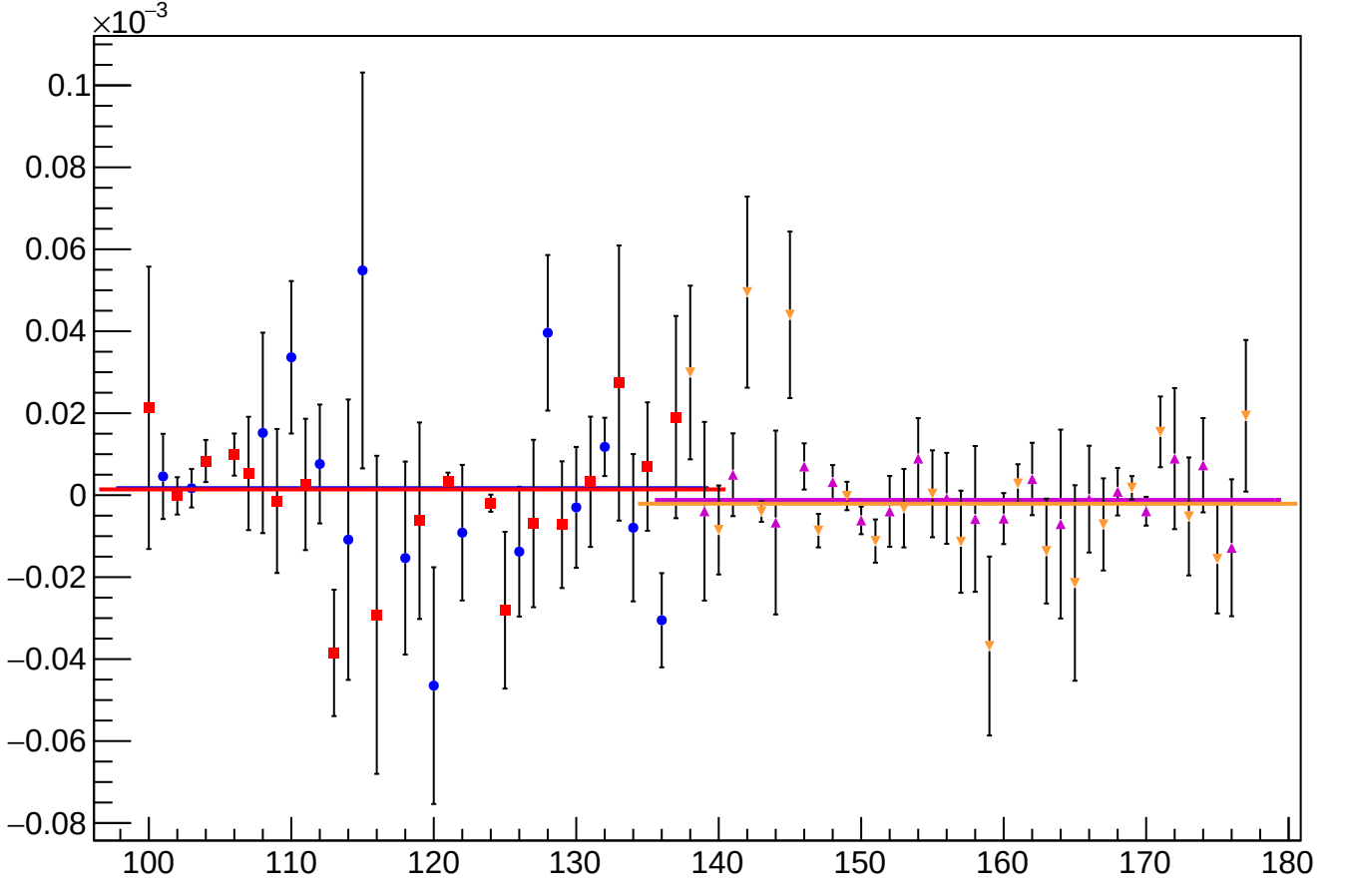
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 307.529+/-0.058 χ^2/NDF:2275101.7/18

+ sign 191.749+/-0.033 χ^2/NDF: 11569718.6/36

All: 180.989+/-0.022 χ^2/NDF: 23659707.5/74

- sign 171.710+/-0.031 χ^2/NDF: 11892022.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

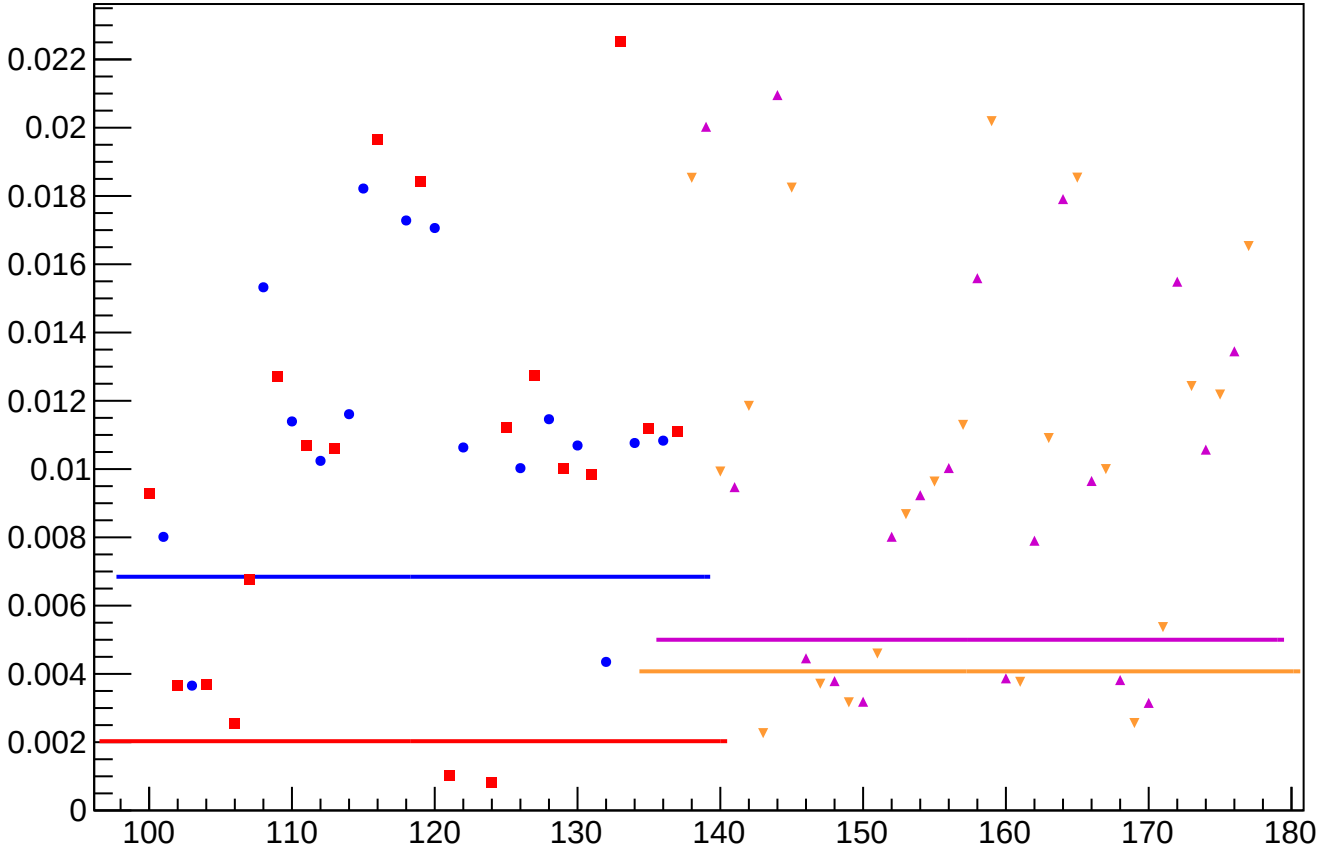
Left In: -0.000+/-0.000 χ^2/NDF:10.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 58.6/36

All: -0.000+/-0.000 χ^2/NDF: 92.1/74

- sign 0.000+/-0.000 χ^2/NDF: 32.0/37

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:11492338.3/20

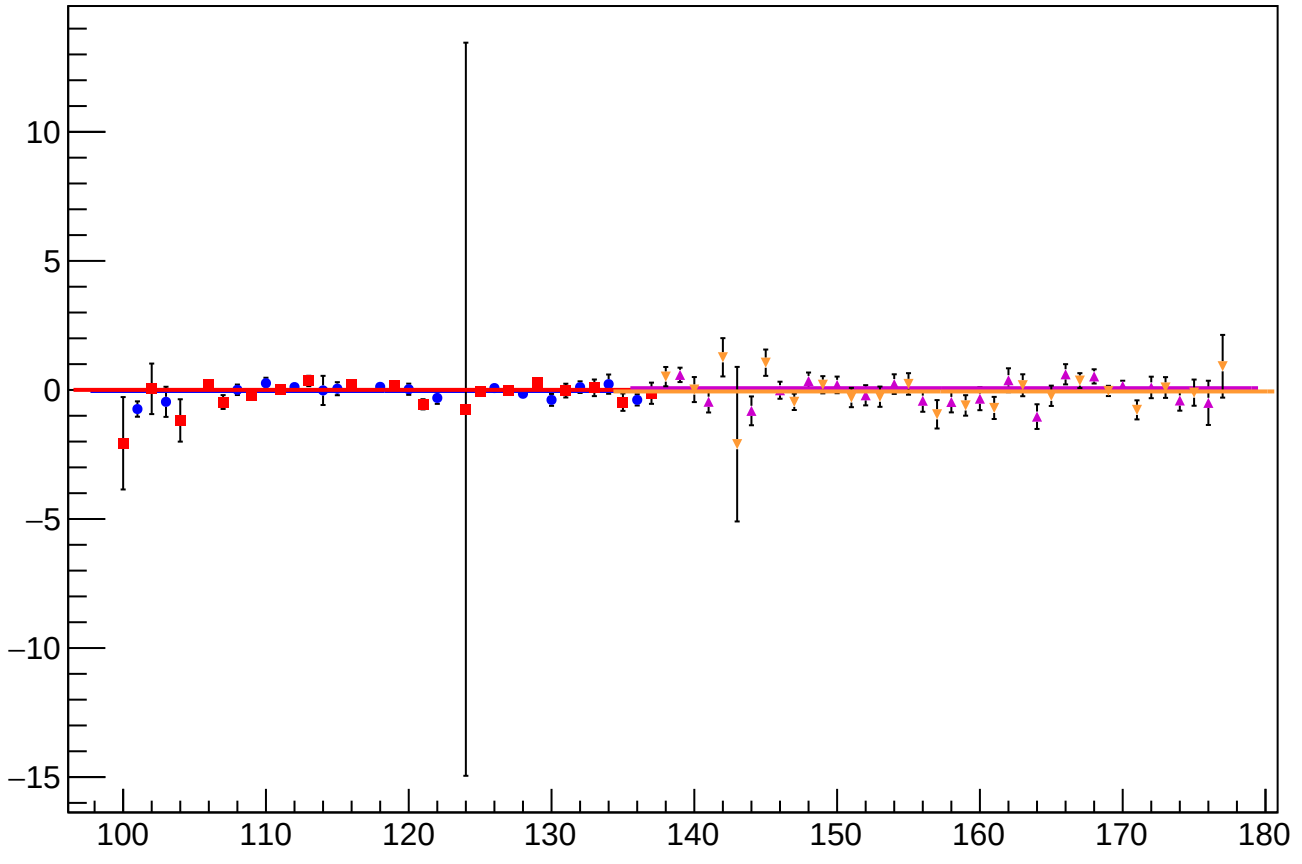
Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:8385312.8/18

+ sign 0.005+/-0.000 χ^2/NDF: 16185349.6/36

All: 0.004+/-0.000 χ^2/NDF: 39414622.1/74

- sign 0.003+/-0.000 χ^2/NDF: 21714104.2/37



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

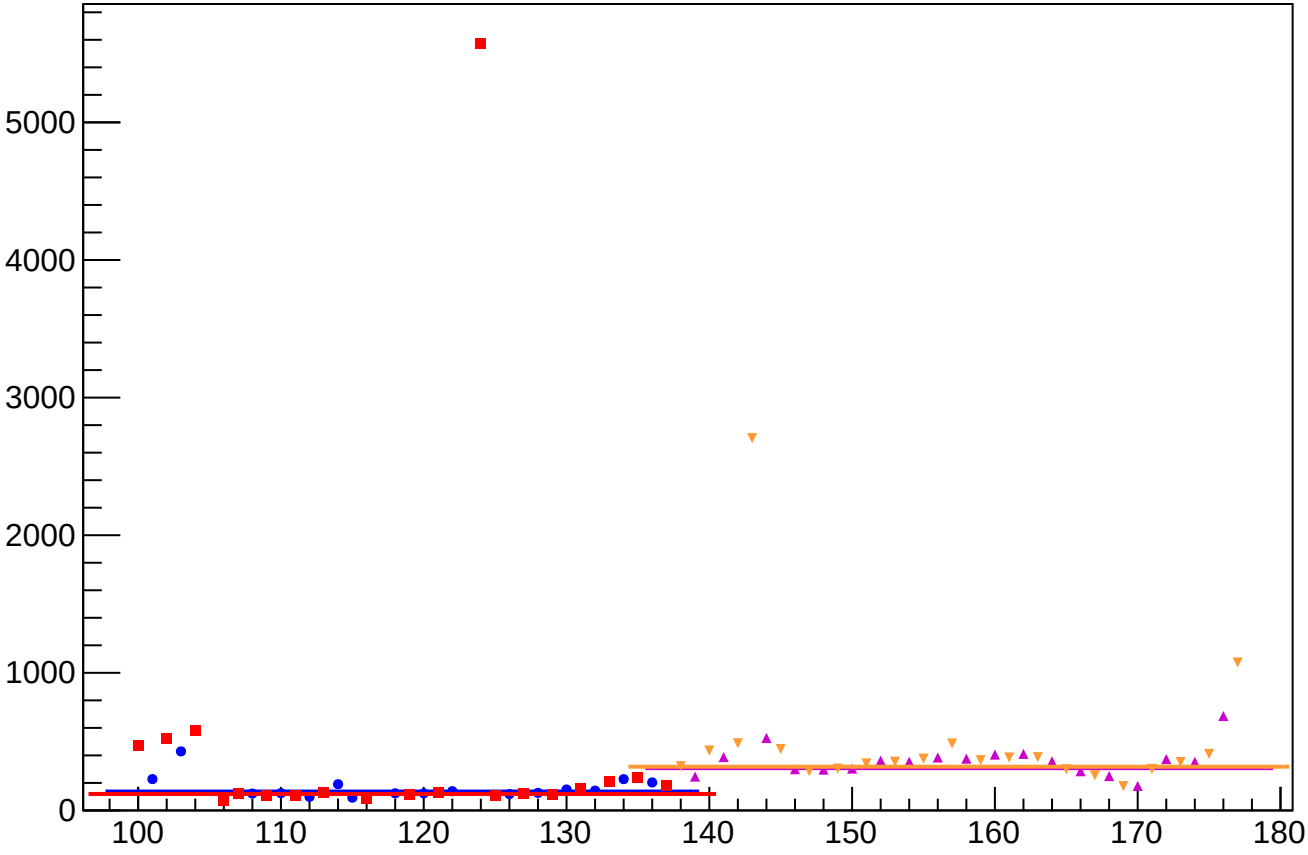
Left In: 0.068+/-0.083 χ^2/NDF:25.4/18

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/36

All: -0.010+/-0.032 χ^2/NDF: 101.6/74

- sign 0.021+/-0.043 χ^2/NDF: 54.5/37

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 318.044+/-0.060 χ^2/NDF:3999796.0/20

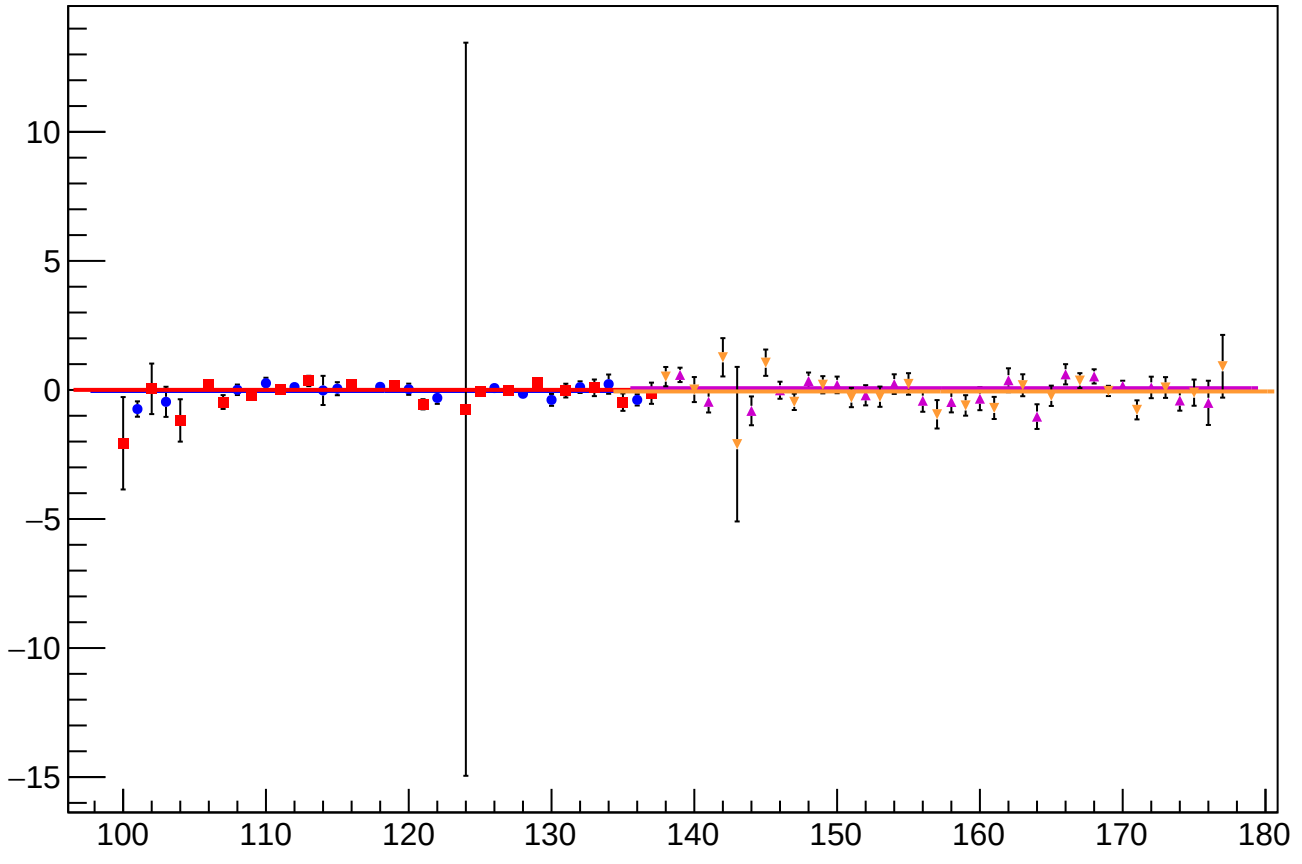
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 307.531+/-0.058 χ^2/NDF:2275095.8/18

+ sign 191.750+/-0.033 χ^2/NDF: 11569693.3/36

All: 180.989+/-0.022 χ^2/NDF: 23659748.4/74

- sign 171.710+/-0.031 χ^2/NDF: 11892067.2/37



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

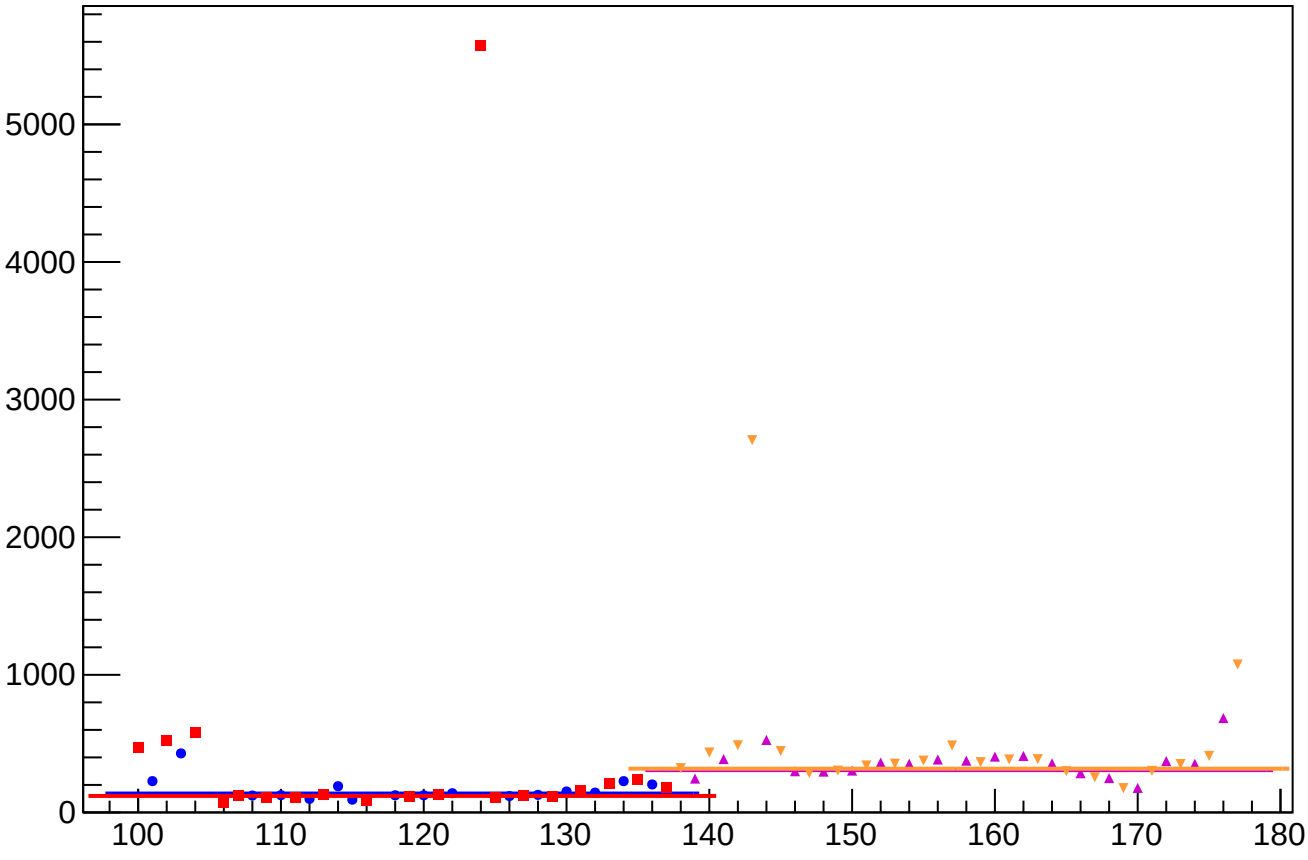
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.068+/-0.083 χ^2/NDF:25.4/18

+ sign -0.045+/-0.047 χ^2/NDF: 46.0/36

All: -0.010+/-0.032 χ^2/NDF: 101.6/74

- sign 0.021+/-0.043 χ^2/NDF: 54.5/37



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 318.044+/-0.060 χ^2/NDF:3999796.0/20

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

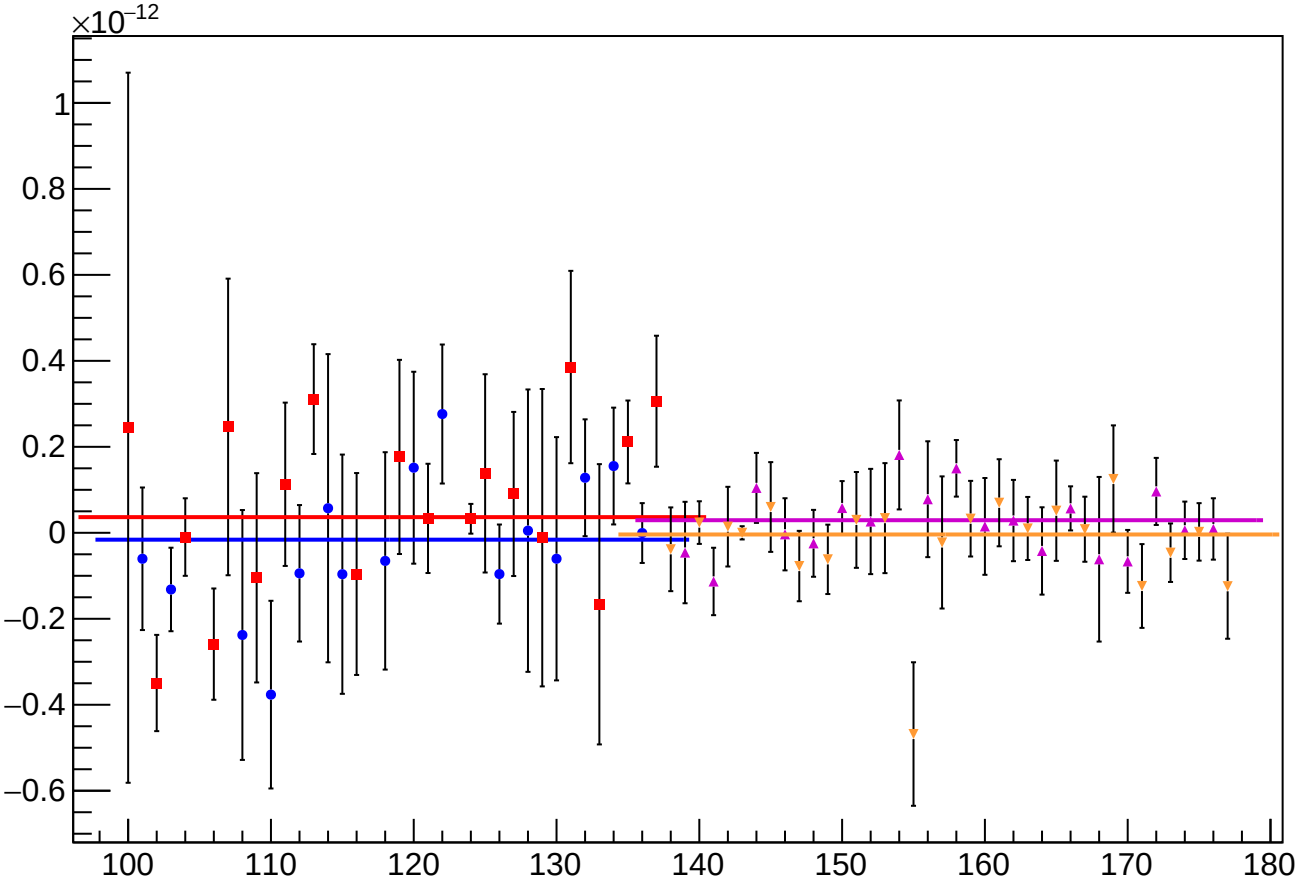
Left In: 307.531+/-0.058 χ^2/NDF:2275095.8/18

+ sign 191.750+/-0.033 χ^2/NDF: 11569693.3/36

All: 180.989+/-0.022 χ^2/NDF: 23659748.4/74

- sign 171.710+/-0.031 χ^2/NDF: 11892067.2/37

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:15.1/20

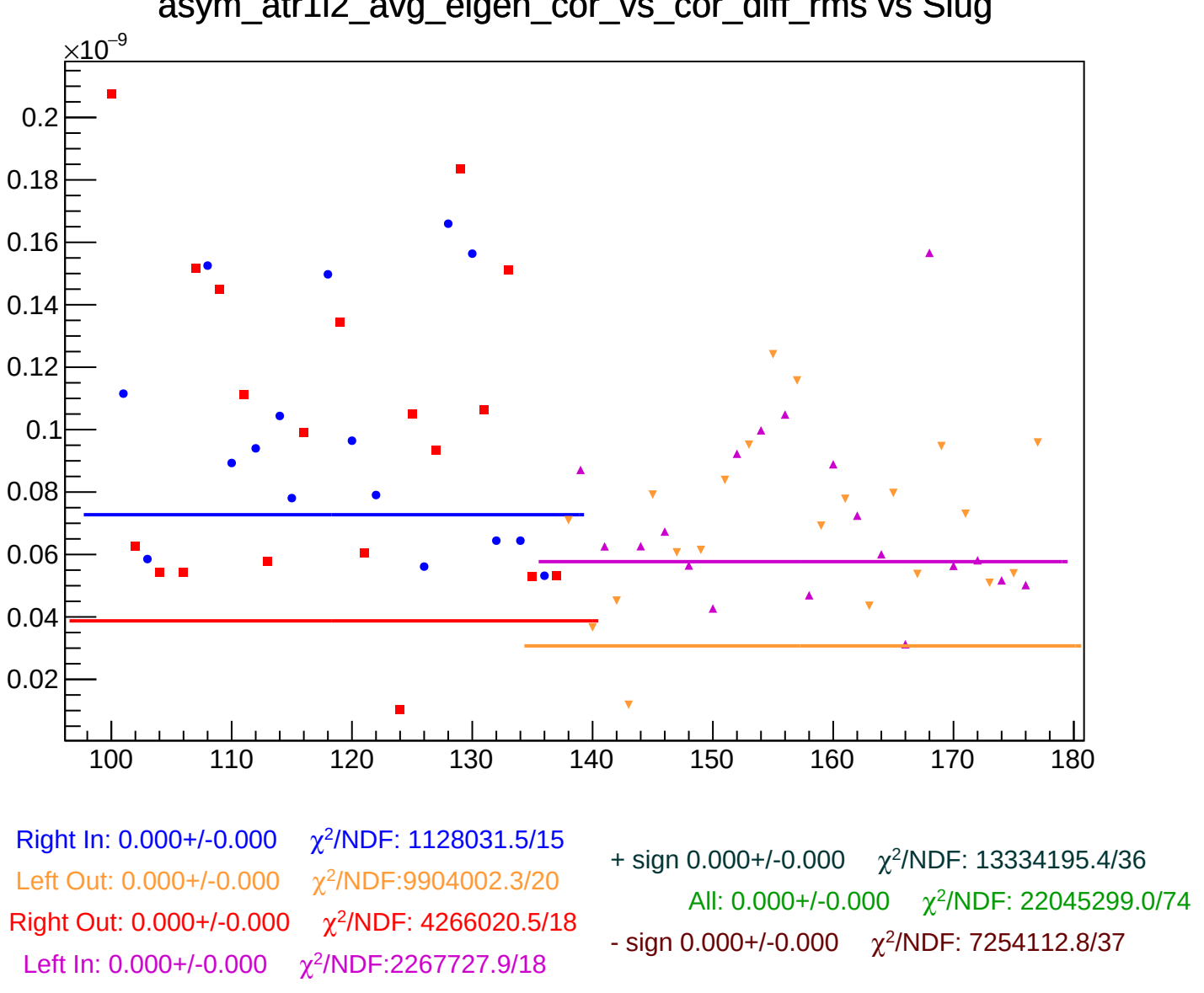
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.0/18

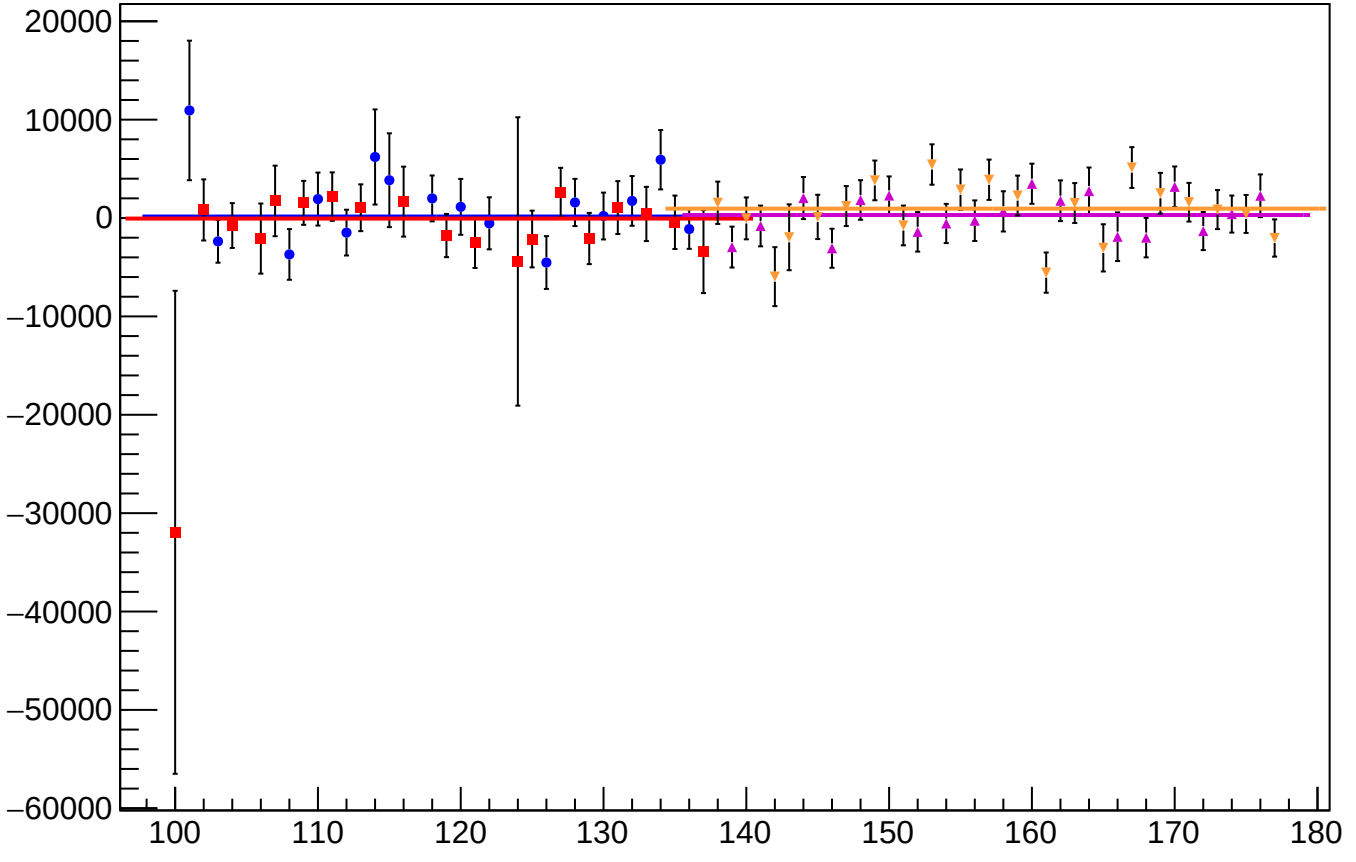
+ sign -0.000+/-0.000 χ^2/NDF: 27.5/36

All: 0.000+/-0.000 χ^2/NDF: 78.5/74

- sign 0.000+/-0.000 χ^2/NDF: 47.2/37


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:9904002.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2267727.9/18
+ sign 0.000+/-0.000 χ²/NDF: 13334195.4/36
All: 0.000+/-0.000 χ²/NDF: 22045299.0/74
- sign 0.000+/-0.000 χ²/NDF: 7254112.8/37

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 954.786+/-461.031 χ^2/NDF:37.7/20

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

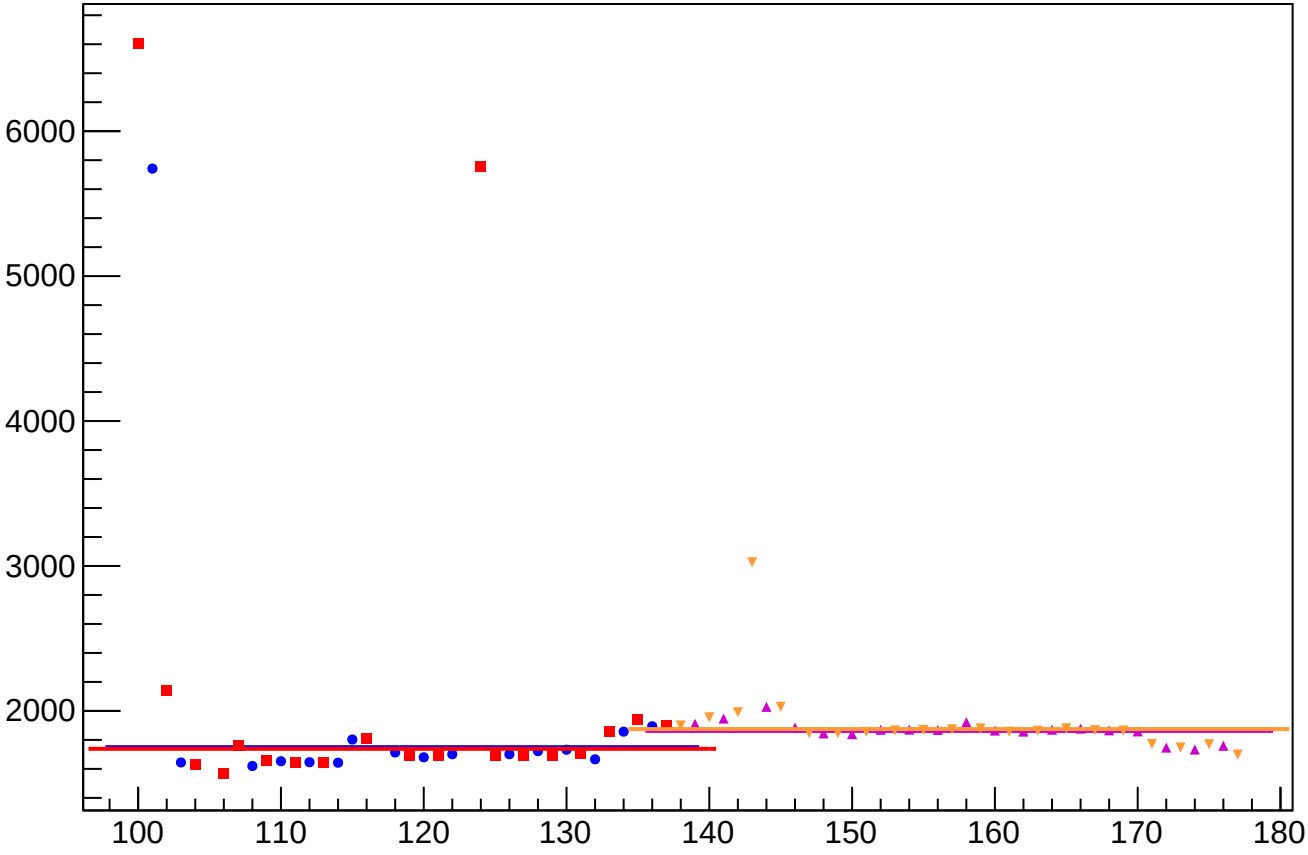
Left In: 304.239+/-472.602 χ^2/NDF:18.4/18

+ sign 694.847+/-379.258 χ^2/NDF: 56.3/36

All: 440.959+/-269.596 χ^2/NDF: 84.8/74

- sign 181.619+/-383.308 χ^2/NDF: 27.6/37

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1874.728+/-0.326 χ^2/NDF:290017.3/20

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

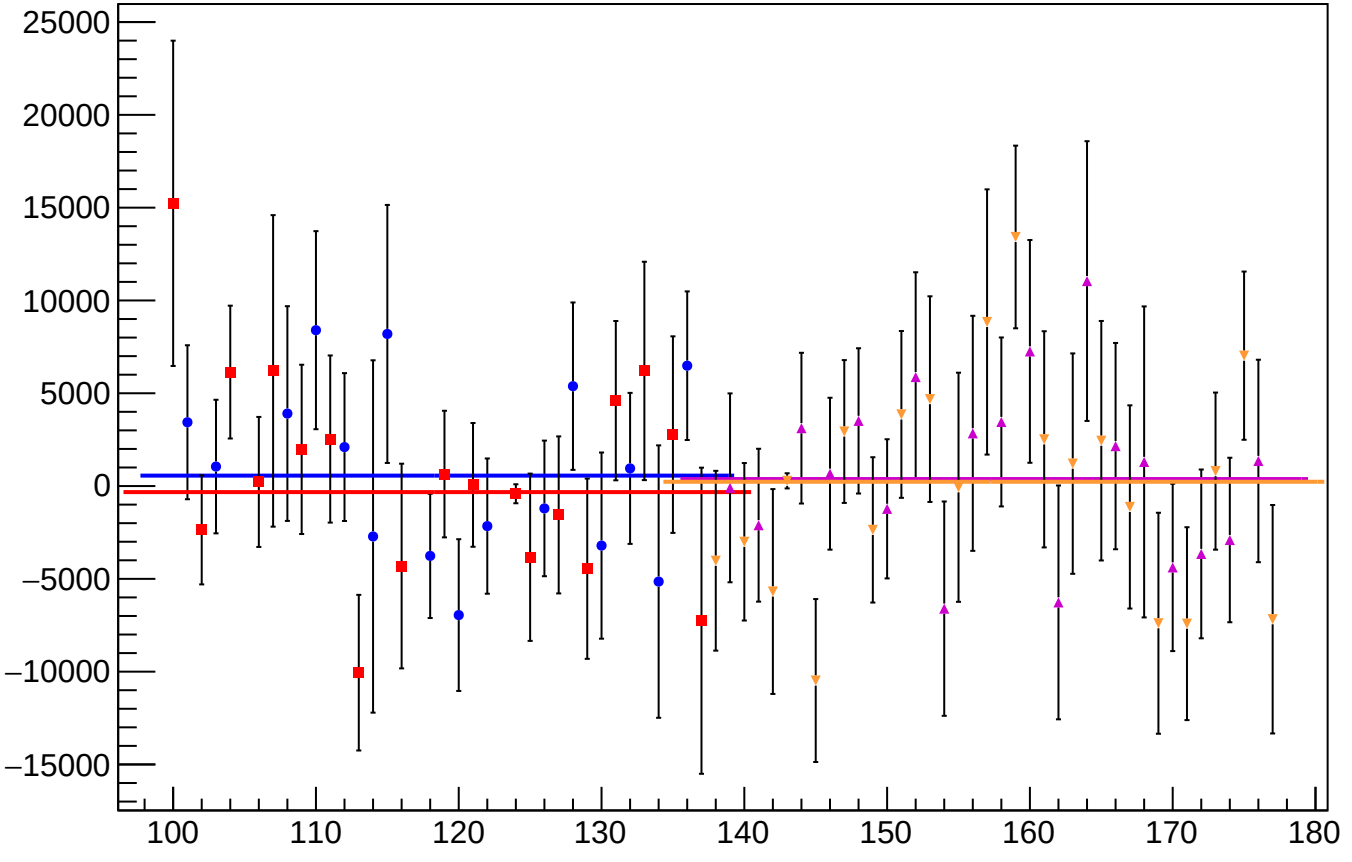
Left In: 1861.811+/-0.334 χ^2/NDF:40004.4/18

+ sign 1834.362+/-0.268 χ^2/NDF: 1007019.7/36

All: 1826.844+/-0.190 χ^2/NDF: 1400150.6/74

- sign 1819.204+/-0.270 χ^2/NDF: 391546.5/37

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 231.683+/-384.290 χ^2/NDF:27.2/20

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

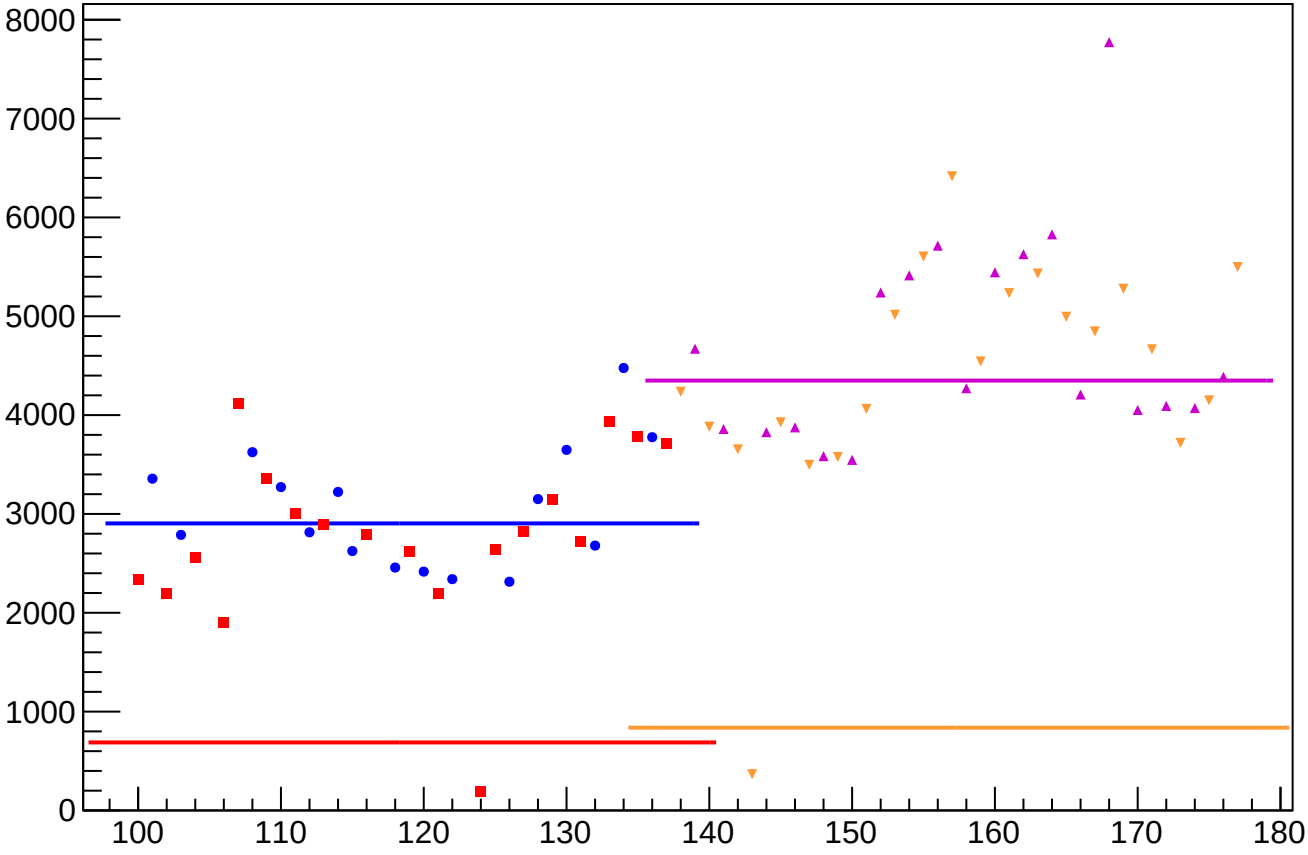
Left In: 377.840+/-1126.373 χ^2/NDF:11.7/18

+ sign 267.582+/-362.830 χ^2/NDF: 42.1/36

All: 59.151+/-275.735 χ^2/NDF: 74.2/74

- sign -225.788+/-424.226 χ^2/NDF: 31.3/37

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 837.680+/-0.272 χ^2/NDF:23399919.0/20

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

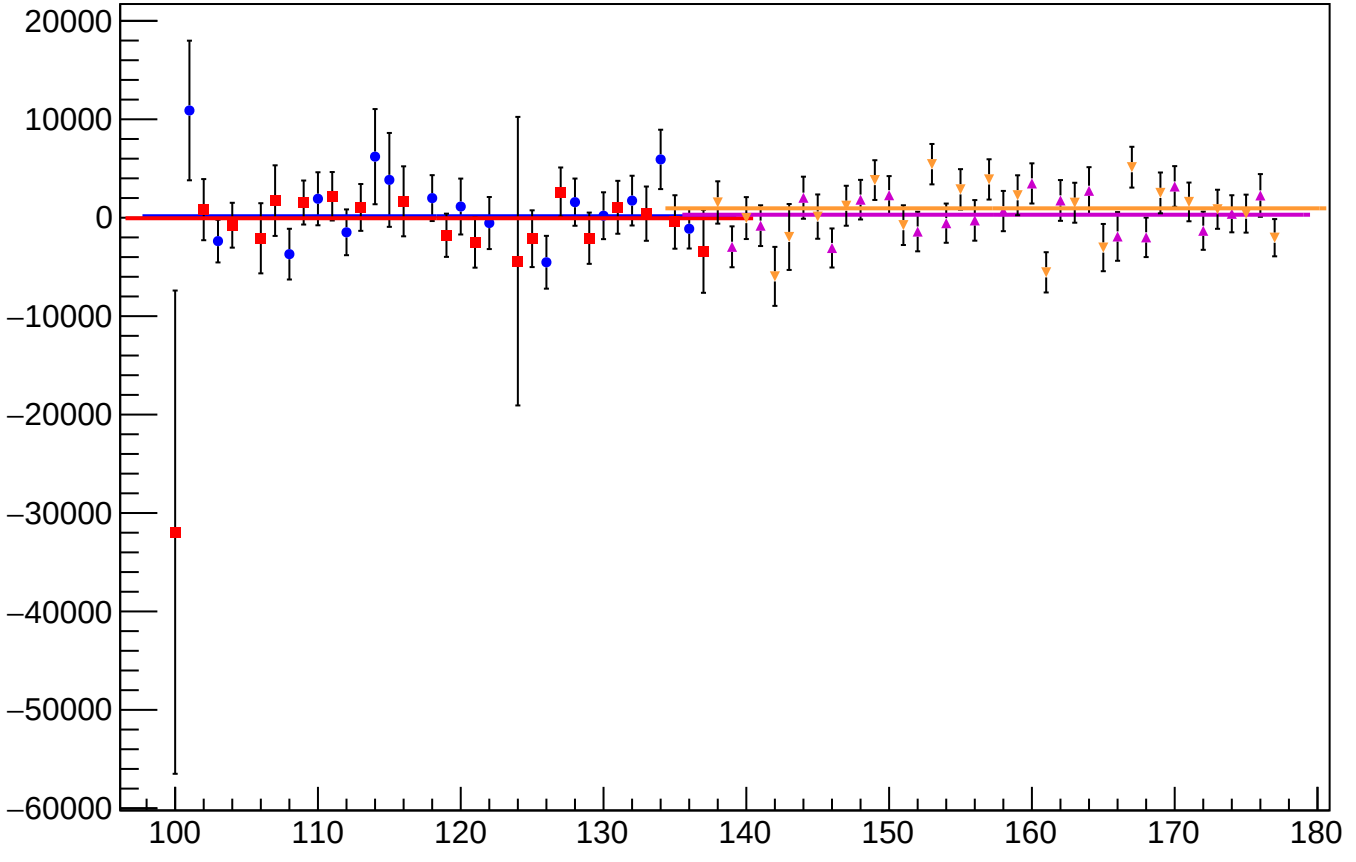
Left In: 4349.419+/-0.796 χ^2/NDF:1059830.1/18

+ sign 1062.023+/-0.257 χ^2/NDF: 30157897.1/36

All: 1123.544+/-0.195 χ^2/NDF: 59634990.3/7

- sign 1207.648+/-0.300 χ^2/NDF: 29340984.7/37

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 954.802+/-461.031 χ^2/NDF:37.7/20

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

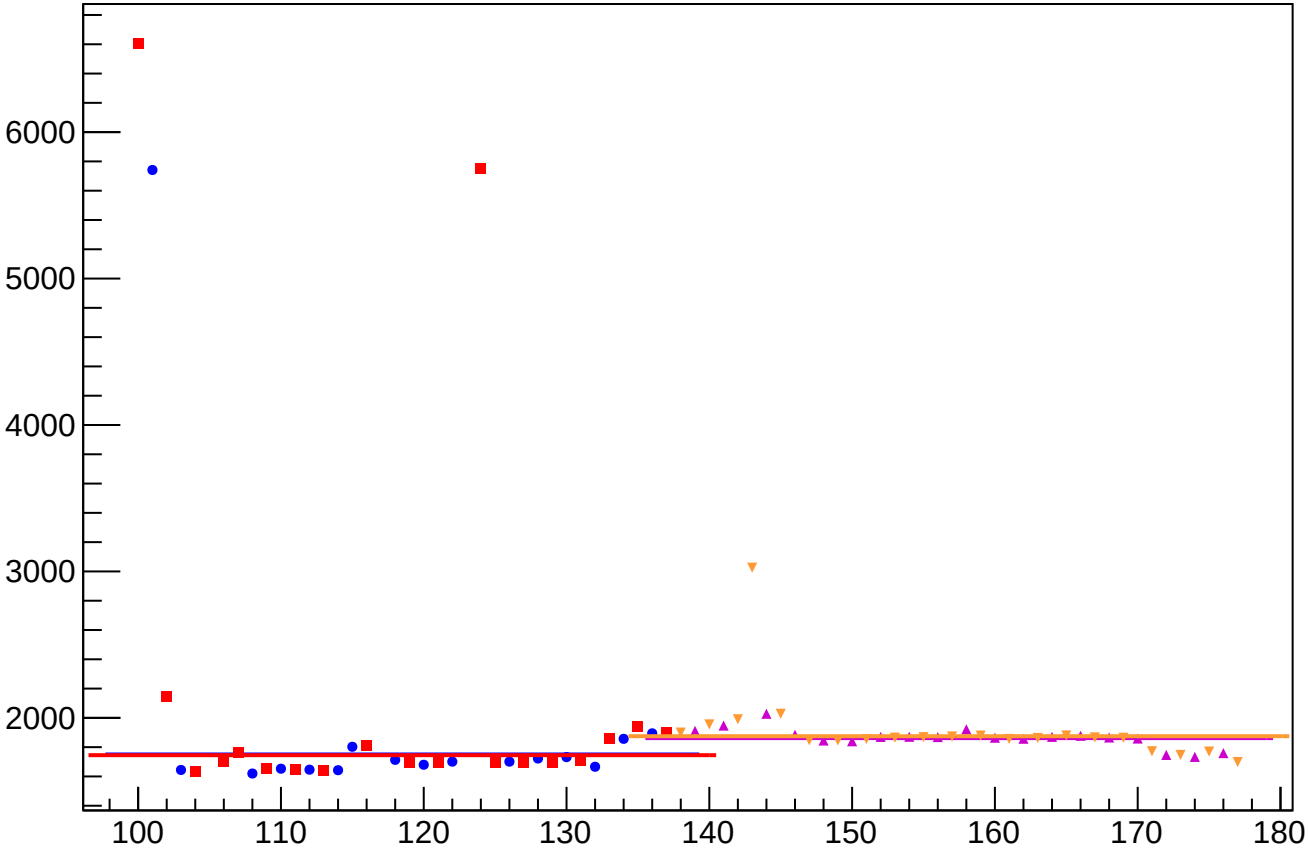
Left In: 304.230+/-472.602 χ^2/NDF:18.4/18

+ sign 694.707+/-379.258 χ^2/NDF: 56.3/36

All: 440.876+/-269.596 χ^2/NDF: 84.8/74

- sign 181.595+/-383.308 χ^2/NDF: 27.6/37

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1874.728+/-0.326 χ^2/NDF:290017.3/20

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

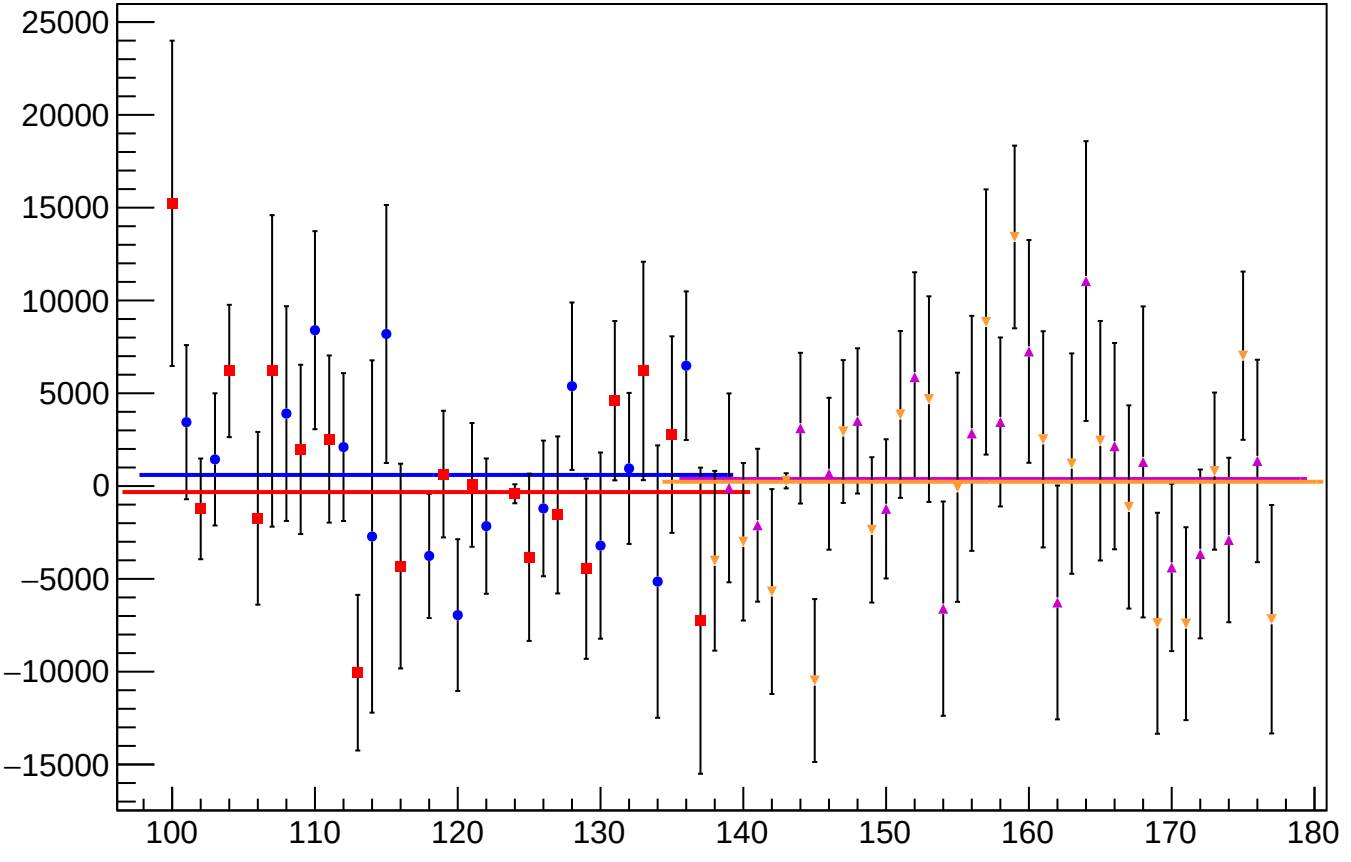
Left In: 1861.811+/-0.334 χ^2/NDF:40004.3/18

+ sign 1834.362+/-0.268 χ^2/NDF: 1007020.1/36

All: 1828.094+/-0.191 χ^2/NDF: 1387986.2/74

- sign 1821.708+/-0.271 χ^2/NDF: 379863.3/37

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 232.601+/-384.320 χ^2/NDF:27.2/20

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

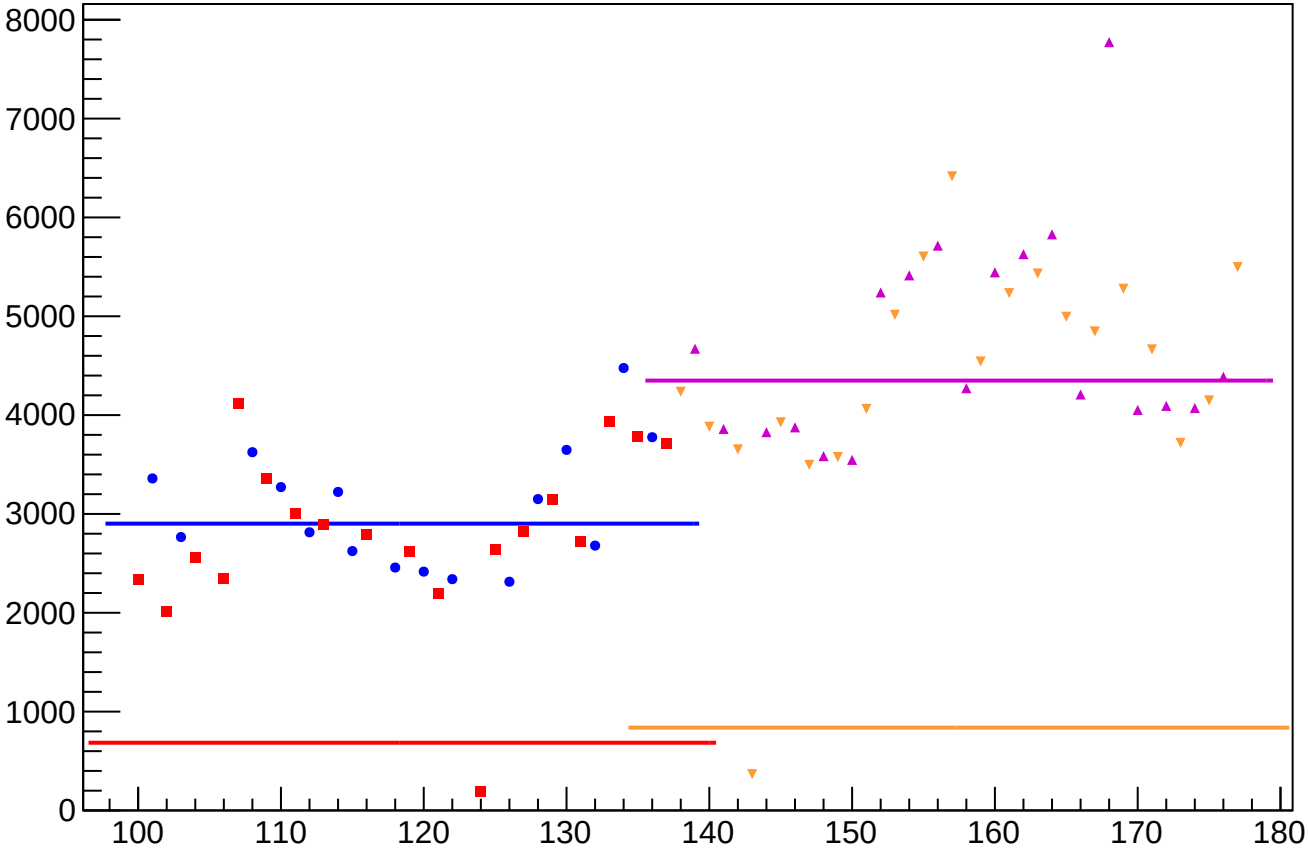
Left In: 377.906+/-1126.371 χ^2/NDF:11.7/18

+ sign 272.583+/-362.818 χ^2/NDF: 42.2/36

All: 63.480+/-275.929 χ^2/NDF: 74.0/74

- sign -223.375+/-424.953 χ^2/NDF: 31.0/37

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 837.789+/-0.272 χ^2/NDF:23398992.6/20

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

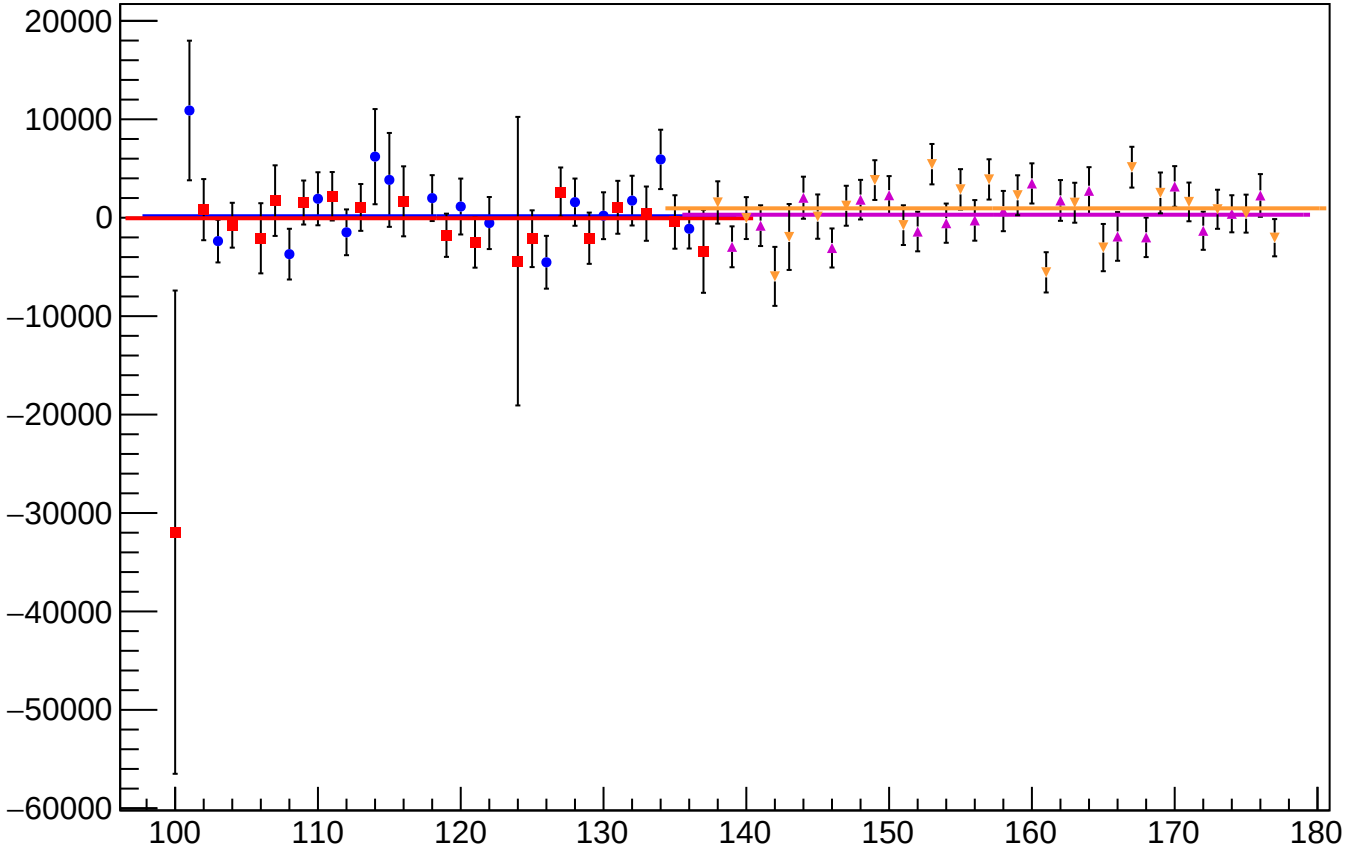
Left In: 4349.410+/-0.796 χ^2/NDF:1059846.7/18

+ sign 1062.290+/-0.257 χ^2/NDF: 30154540.8/36

All: 1123.218+/-0.195 χ^2/NDF: 59606219.0/7

- sign 1206.802+/-0.300 χ^2/NDF: 29317903.7/37

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 954.802+/-461.031 χ^2/NDF:37.7/20

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

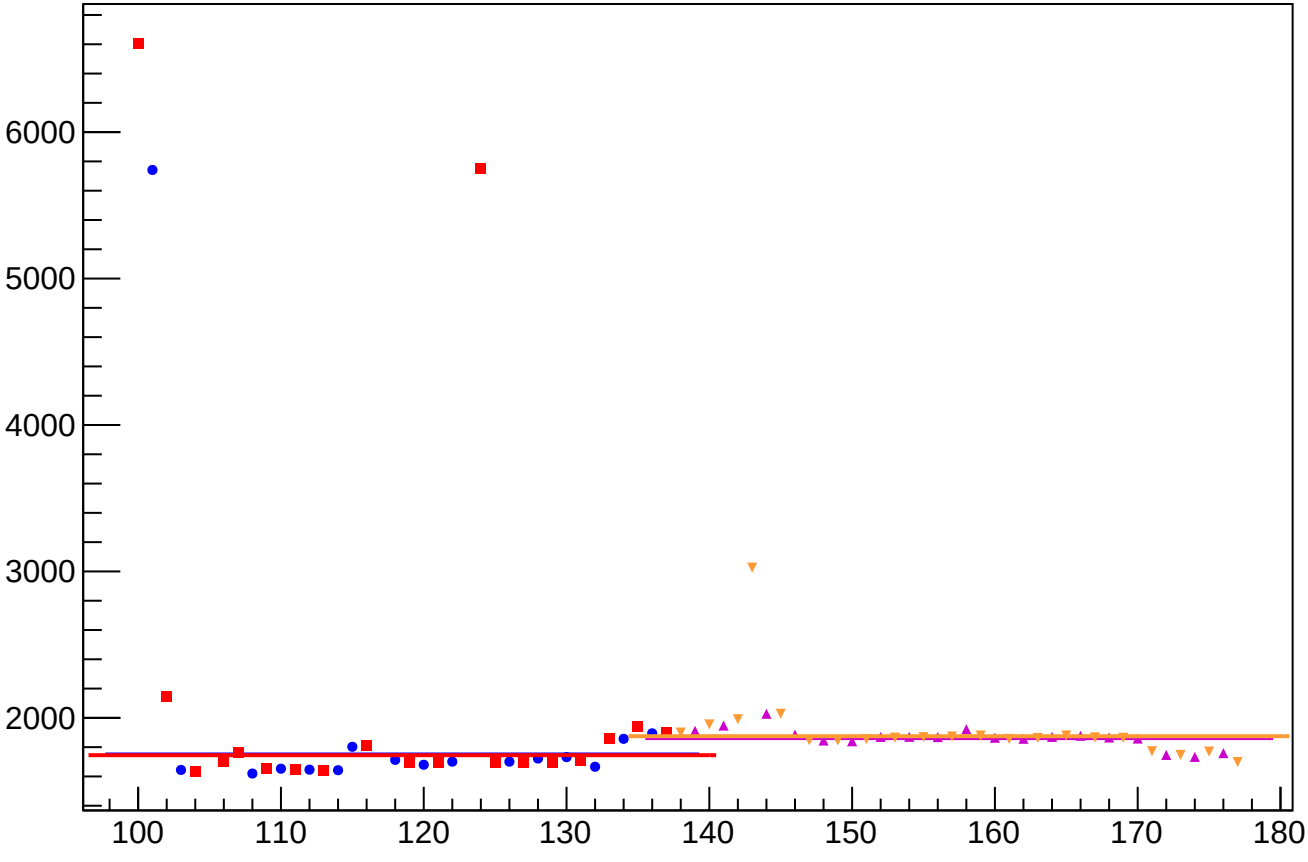
Left In: 304.230+/-472.602 χ^2/NDF:18.4/18

+ sign 694.707+/-379.258 χ^2/NDF: 56.3/36

All: 440.876+/-269.596 χ^2/NDF: 84.8/74

- sign 181.595+/-383.308 χ^2/NDF: 27.6/37

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1874.728+/-0.326 χ^2/NDF:290017.3/20

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

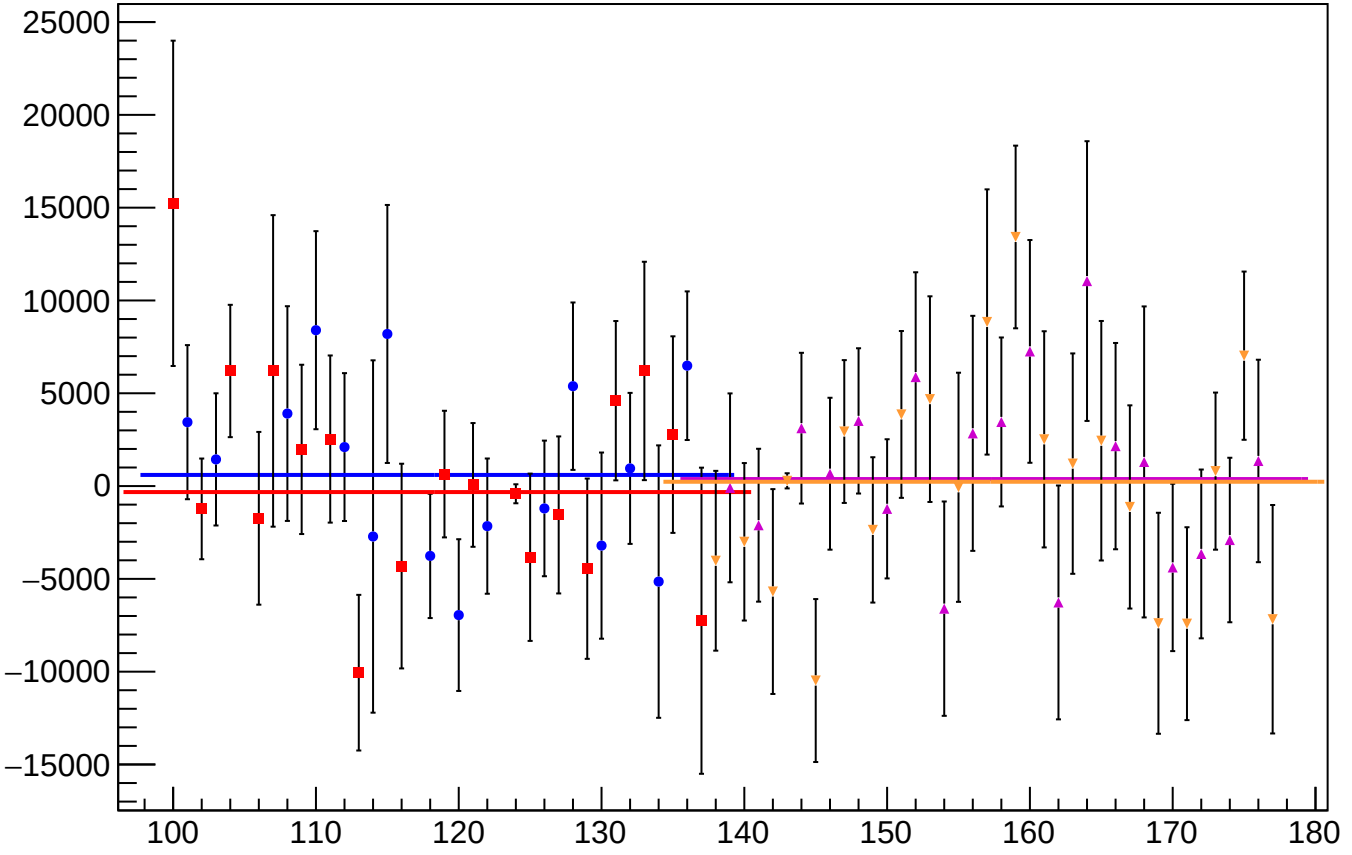
Left In: 1861.811+/-0.334 χ^2/NDF:40004.3/18

+ sign 1834.362+/-0.268 χ^2/NDF: 1007020.1/36

All: 1828.094+/-0.191 χ^2/NDF: 1387986.2/74

- sign 1821.708+/-0.271 χ^2/NDF: 379863.3/37

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 232.601+/-384.320 χ^2/NDF:27.2/20

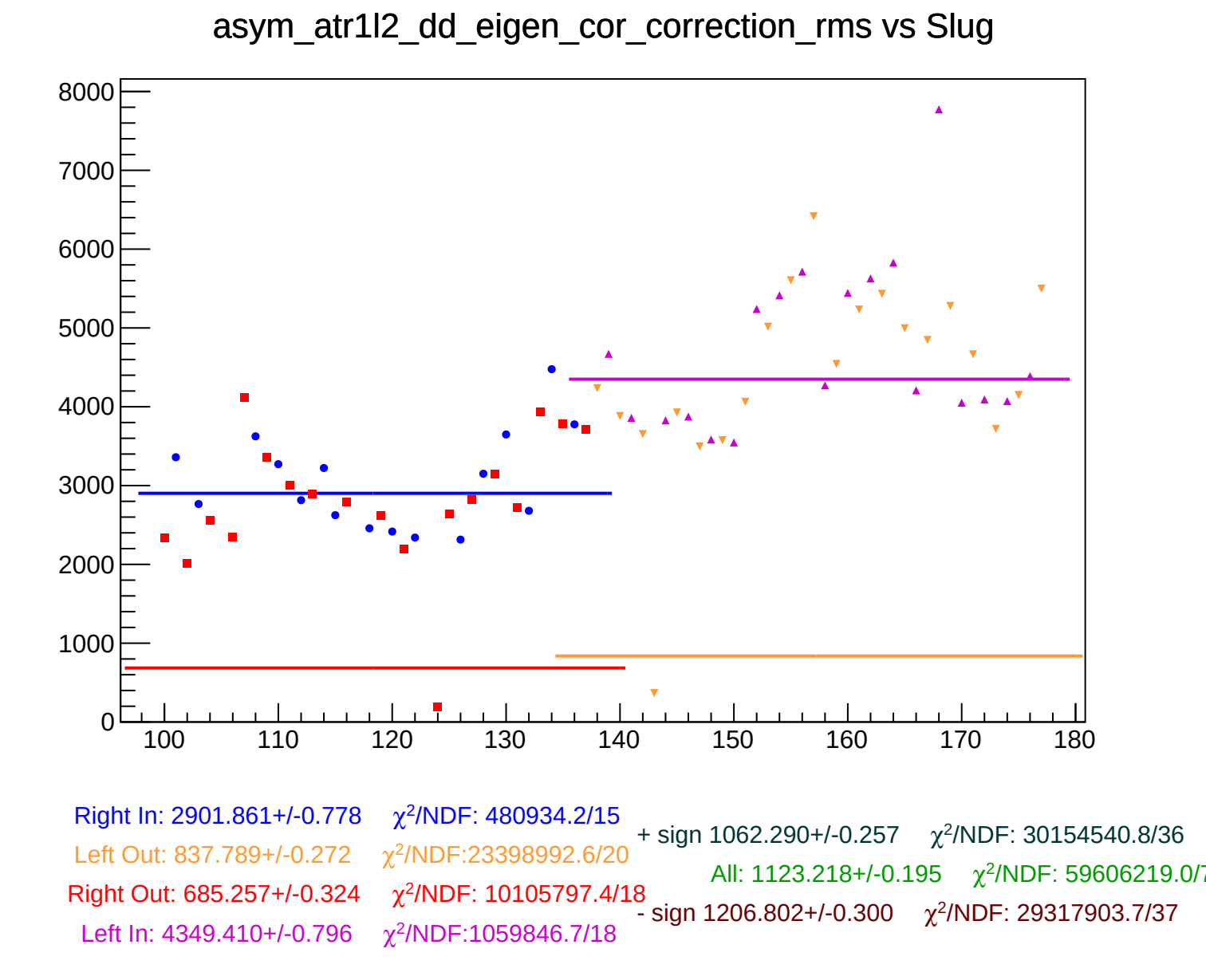
Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 377.906+/-1126.371 χ^2/NDF:11.7/18

+ sign 272.583+/-362.818 χ^2/NDF: 42.2/36

All: 63.480+/-275.929 χ^2/NDF: 74.0/74

- sign -223.375+/-424.953 χ^2/NDF: 31.0/37


asym_atr1l2_dd_eigen_cor_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
1000
0
100
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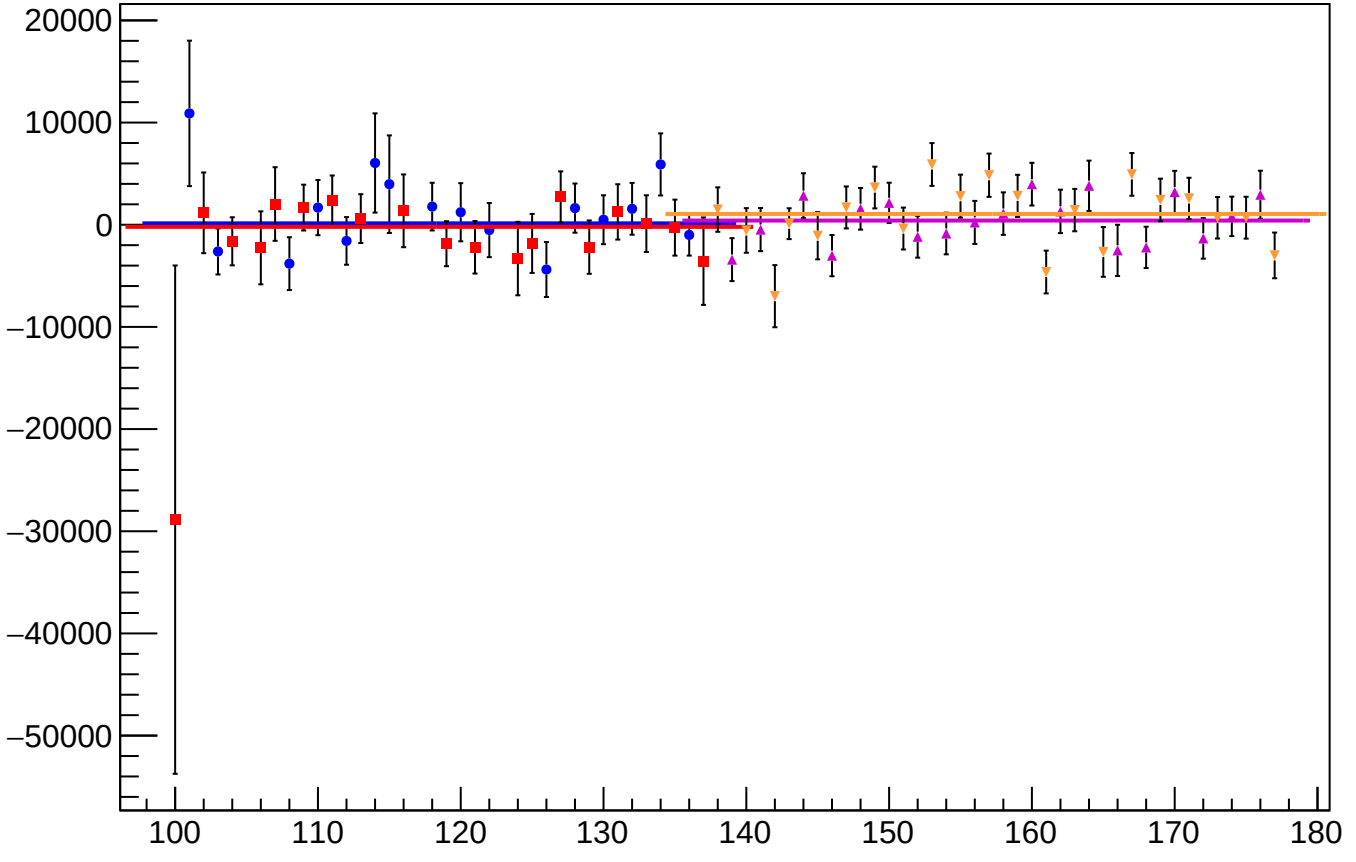
120
130
140
150
160
170
180
Right In: 2901.861+/-0.778 χ²/NDF: 480934.2/15
Left Out: 837.789+/-0.272 χ²/NDF:23398992.6/20
Right Out: 685.257+/-0.324 χ²/NDF: 10105797.4/18
Left In: 4349.410+/-0.796 χ²/NDF:1059846.7/18
+ sign 1062.290+/-0.257 χ²/NDF: 30154540.8/36
All: 1123.218+/-0.195 χ²/NDF: 59606219.0/7
- sign 1206.802+/-0.300 χ²/NDF: 29317903.7/37

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1055.584+/-456.682 χ^2/NDF:38.5/20

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

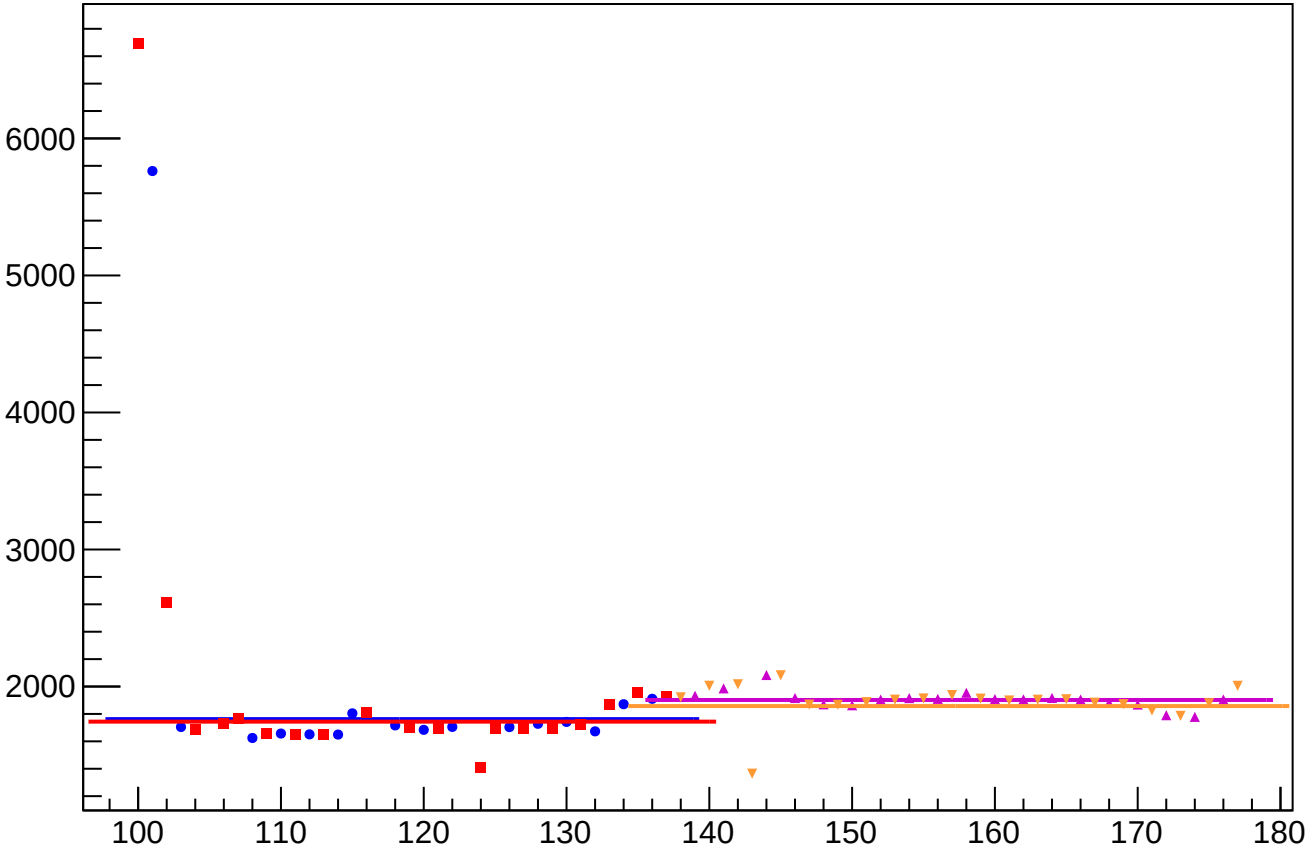
Left In: 409.546+/-482.753 χ^2/NDF:21.6/18

+ sign 764.152+/-377.648 χ^2/NDF: 57.1/36

All: 486.580+/-270.790 χ^2/NDF: 90.1/74

- sign 192.839+/-388.492 χ^2/NDF: 31.9/37

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1857.330+/-0.323 χ^2/NDF:270648.8/20

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

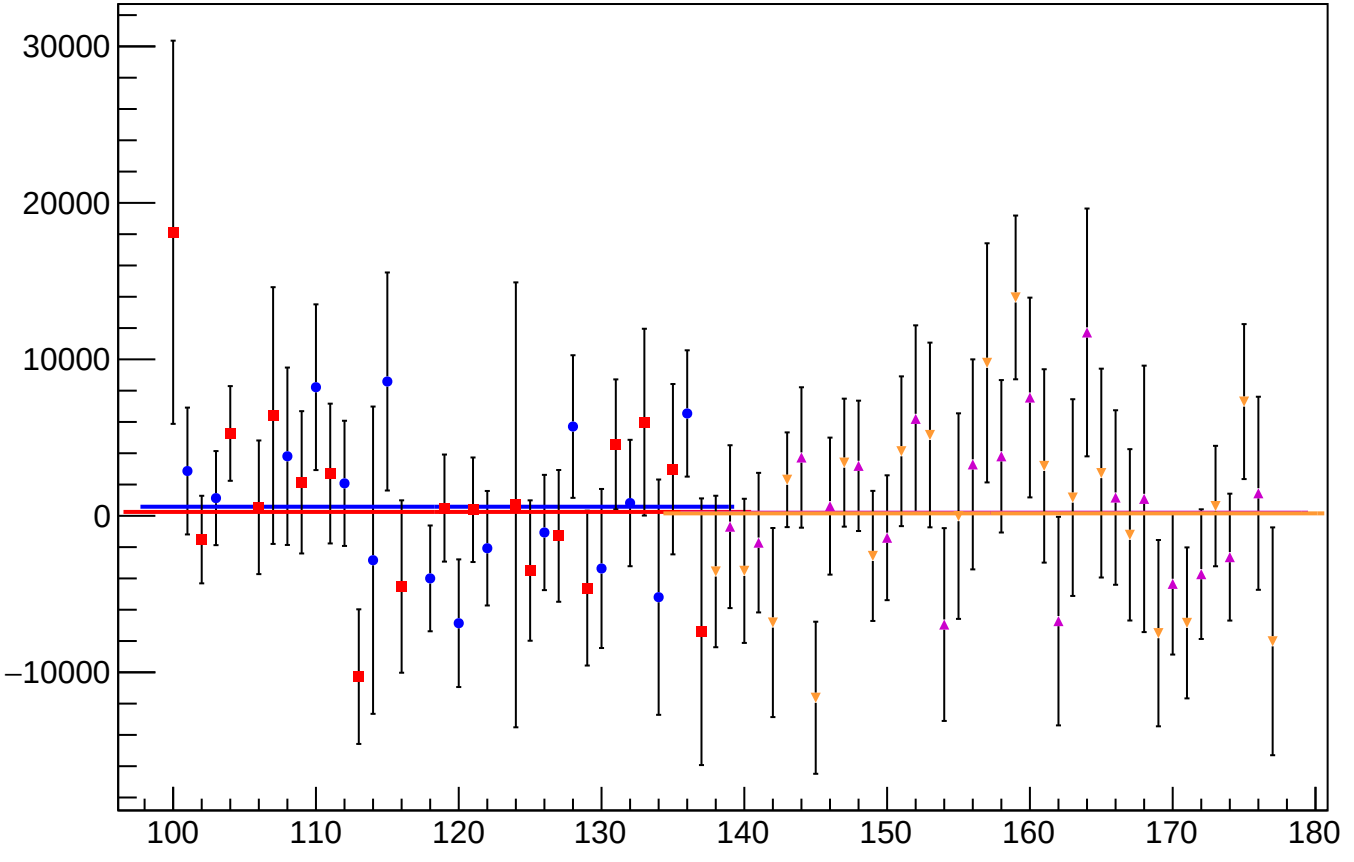
Left In: 1901.885+/-0.341 χ^2/NDF:35415.0/18

+ sign 1827.205+/-0.267 χ^2/NDF: 965869.5/36

All: 1836.318+/-0.191 χ^2/NDF: 1307373.3/74

- sign 1845.943+/-0.274 χ^2/NDF: 339109.3/37

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 157.741+/-1090.310 χ^2/NDF:27.5/20

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

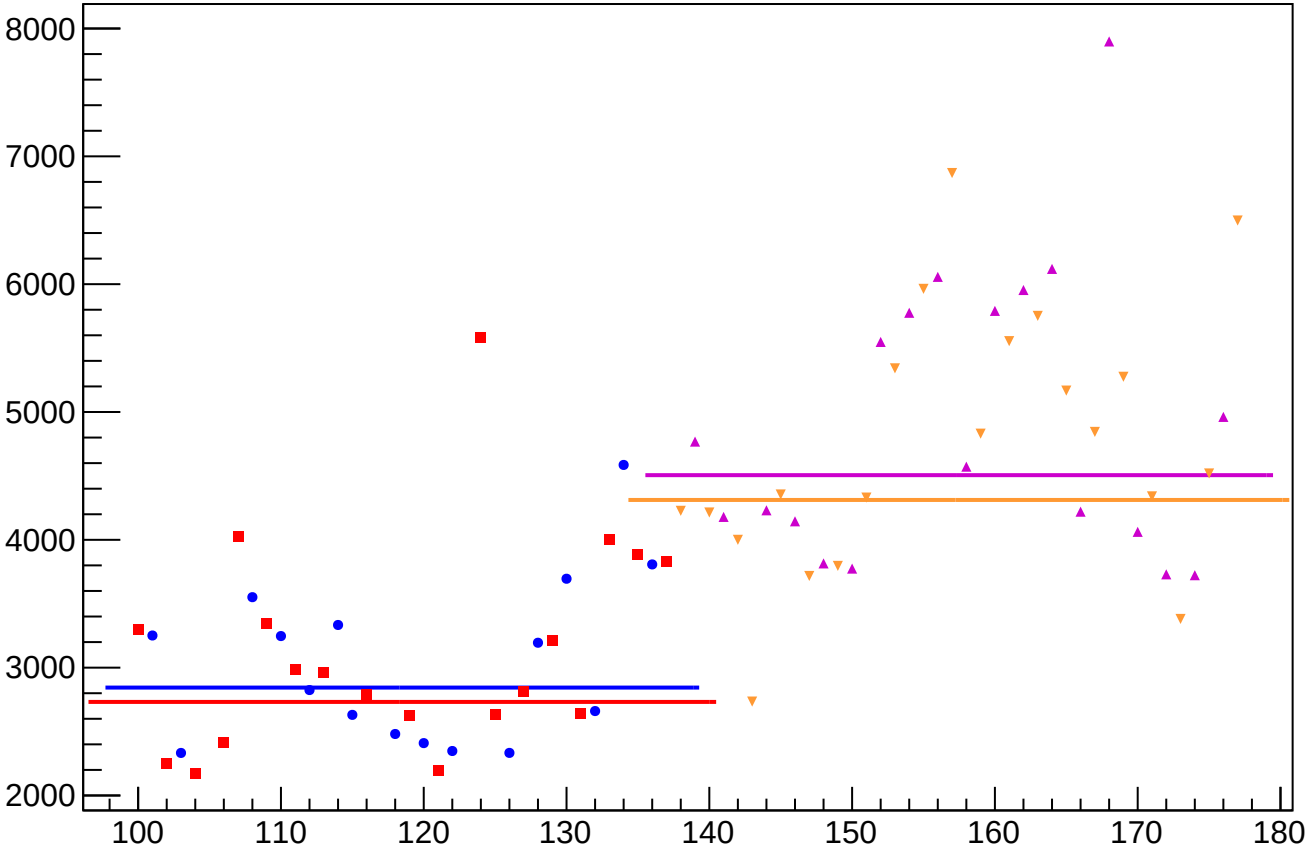
Left In: 201.662+/-1169.318 χ^2/NDF:11.6/18

\+ sign 371.708+/-767.825 χ^2/NDF: 42.5/36

All: 300.579+/-543.380 χ^2/NDF: 72.1/74

\- sign 229.216+/-769.088 χ^2/NDF: 29.6/37

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4311.935+/-0.771 χ^2/NDF:1645098.7/20

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

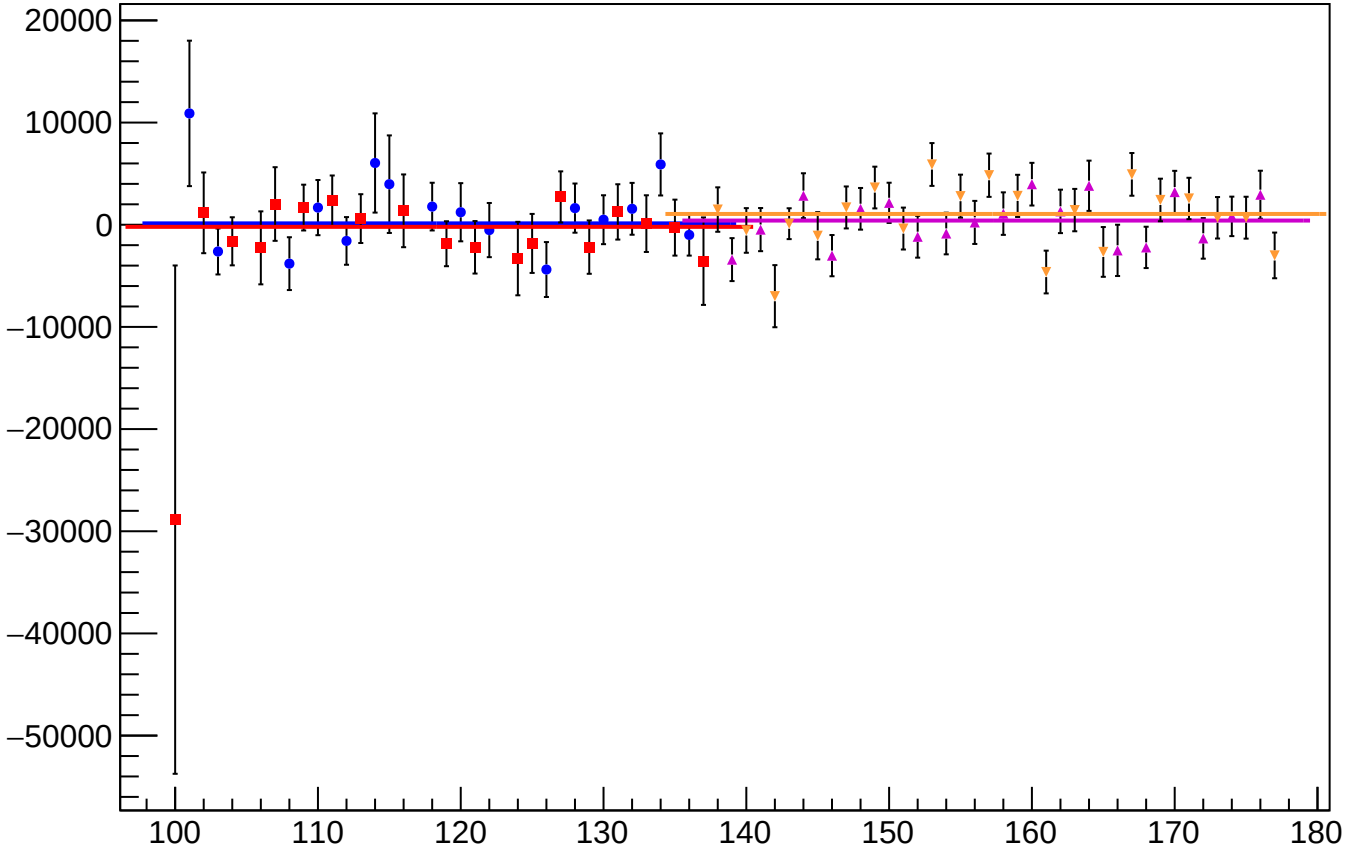
Left In: 4505.903+/-0.827 χ^2/NDF:1168252.0/18

+ sign 3572.077+/-0.543 χ^2/NDF: 4014138.8/36

All: 3535.787+/-0.384 χ^2/NDF: 8414327.6/74

- sign 3499.378+/-0.544 χ^2/NDF: 4391238.8/37

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1055.586+/-456.683 χ^2/NDF:38.5/20

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

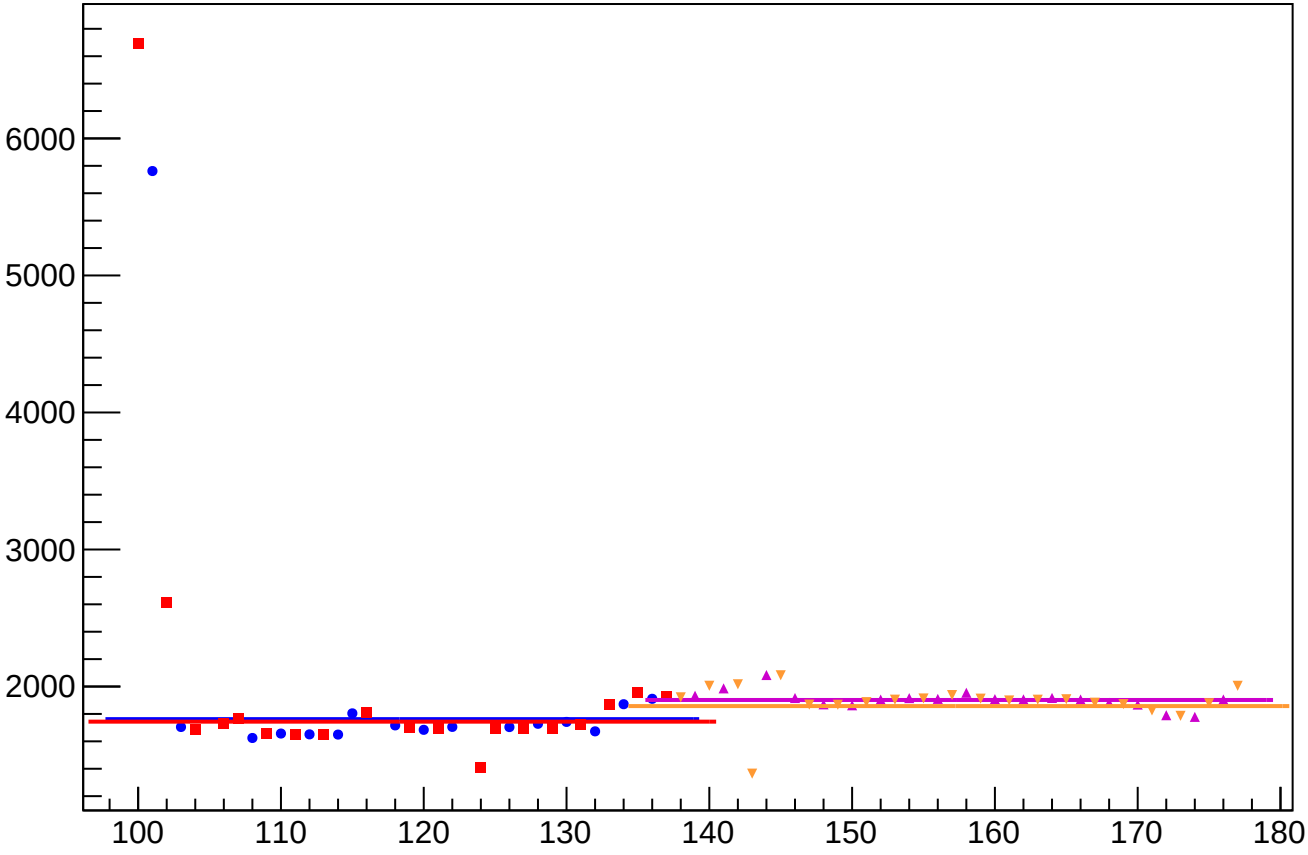
Left In: 409.547+/-482.753 χ^2/NDF:21.6/18

+ sign 764.152+/-377.648 χ^2/NDF: 57.1/36

All: 486.581+/-270.790 χ^2/NDF: 90.1/74

- sign 192.840+/-388.492 χ^2/NDF: 31.9/37

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1857.331+/-0.323 χ^2/NDF:270651.4/20

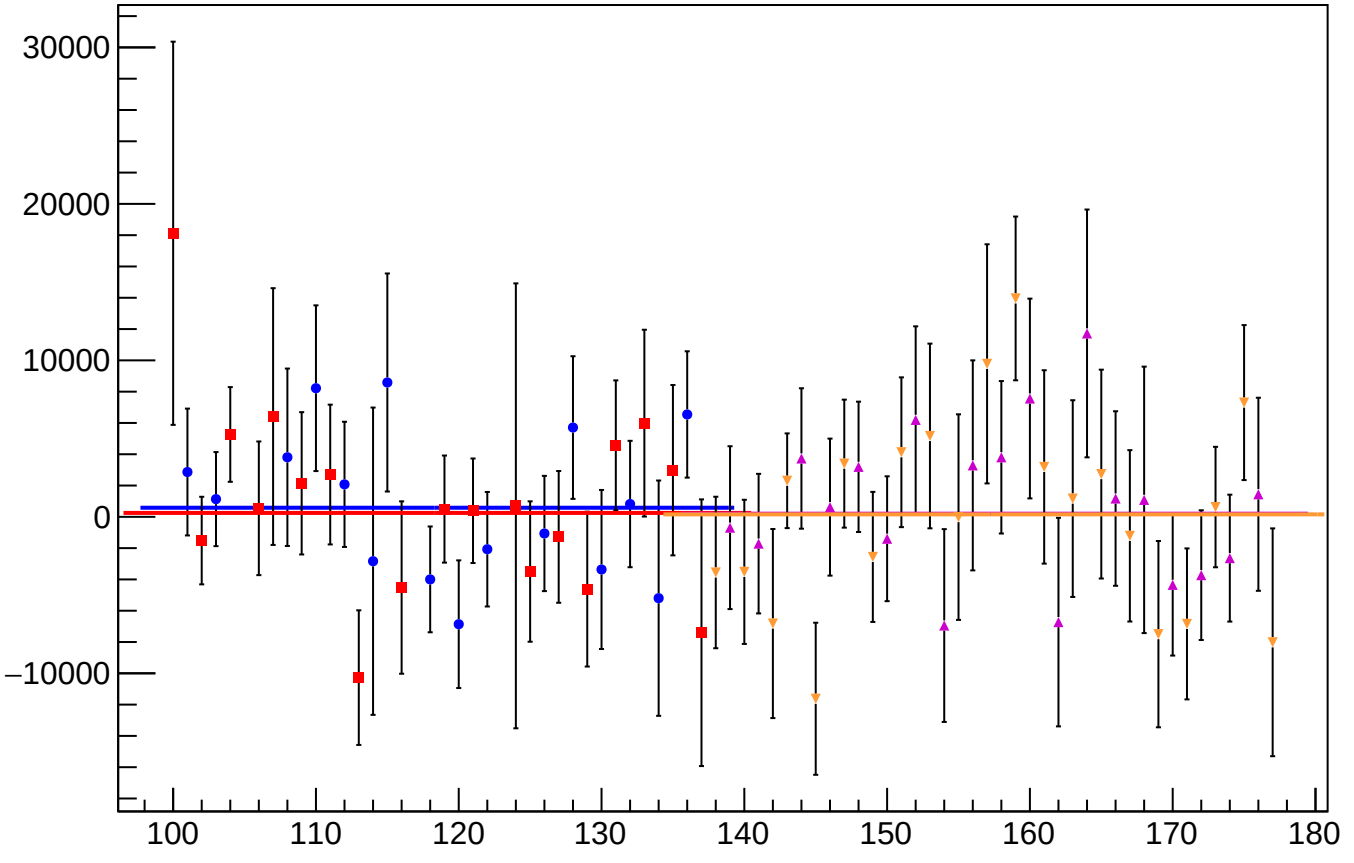
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.886+/-0.341 χ^2/NDF:35416.2/18

+ sign 1827.206+/-0.267 χ^2/NDF: 965872.4/36

All: 1836.319+/-0.191 χ^2/NDF: 1307378.0/74

- sign 1845.943+/-0.274 χ^2/NDF: 339111.1/37



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 157.744+/-1090.311 χ^2/NDF:27.5/20

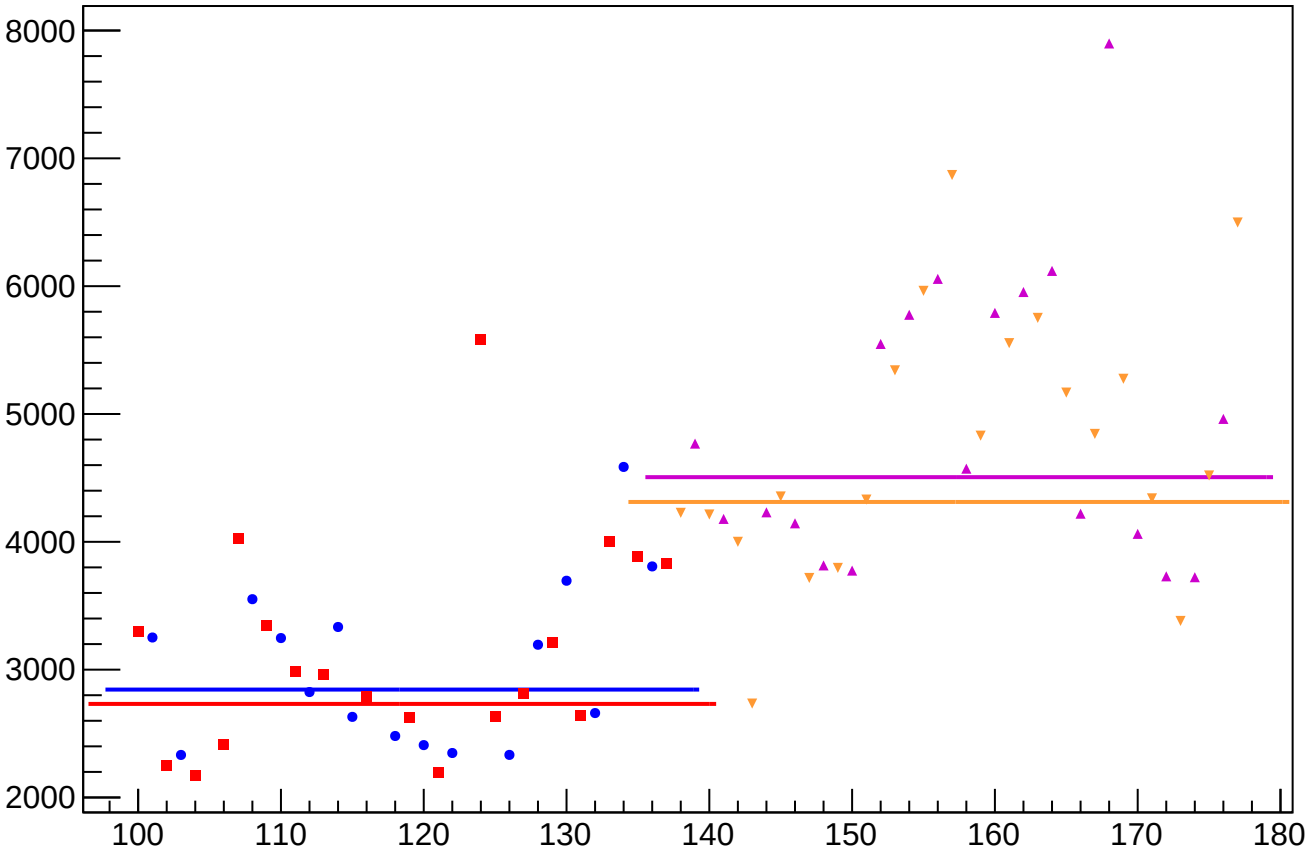
Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 201.663+/-1169.320 χ^2/NDF:11.6/18

\+ sign 371.708+/-767.825 χ^2/NDF: 42.5/36

All: 300.580+/-543.380 χ^2/NDF: 72.1/74

\- sign 229.217+/-769.087 χ^2/NDF: 29.6/37



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4311.942+/-0.771 χ^2/NDF:1645102.8/20

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

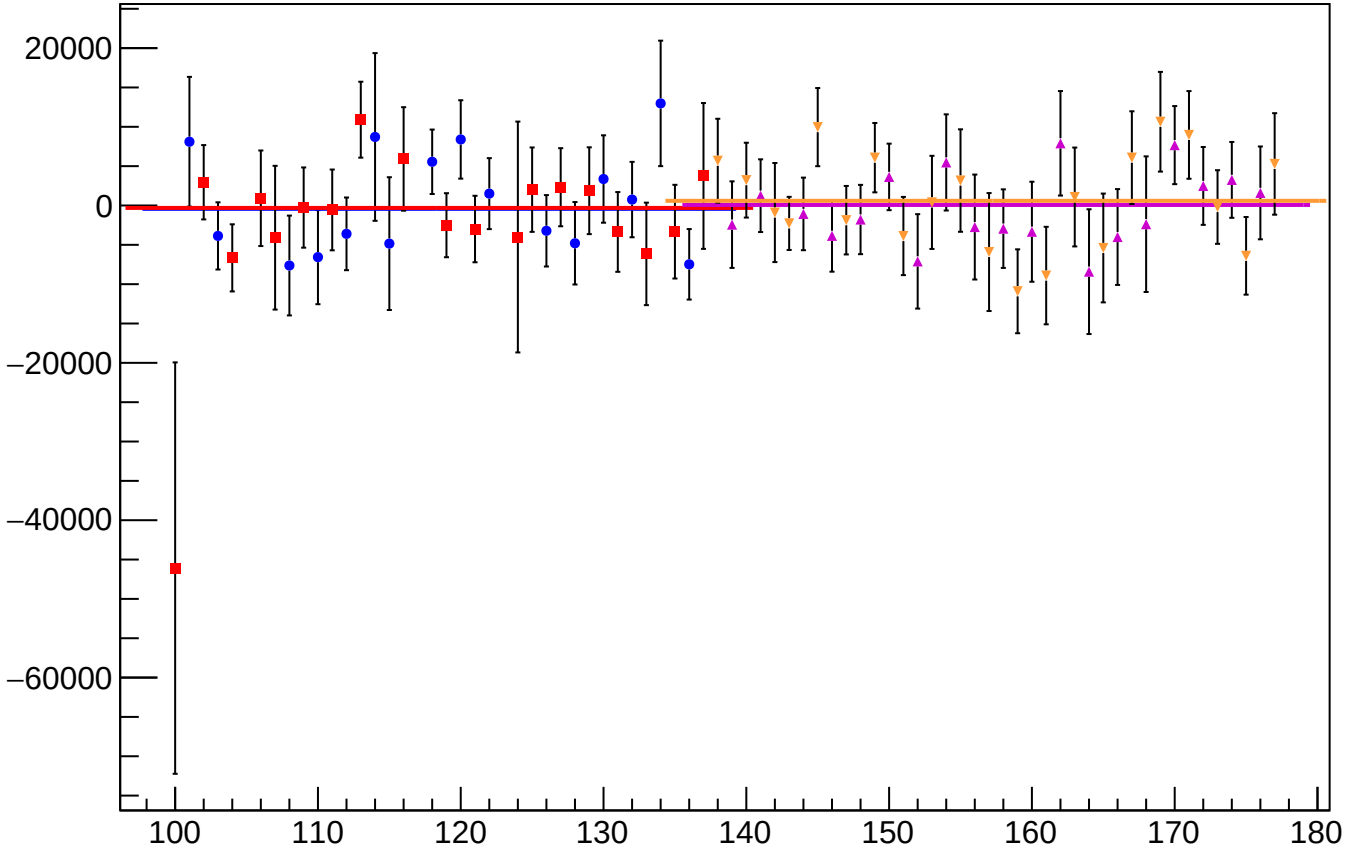
Left In: 4505.911+/-0.827 χ^2/NDF:1168251.6/18

+ sign 3572.074+/-0.543 χ^2/NDF: 4014184.4/36

All: 3535.784+/-0.384 χ^2/NDF: 8414409.3/74

- sign 3499.374+/-0.544 χ^2/NDF: 4391275.0/37

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 592.360+/-1153.380 χ^2/NDF:25.1/20

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

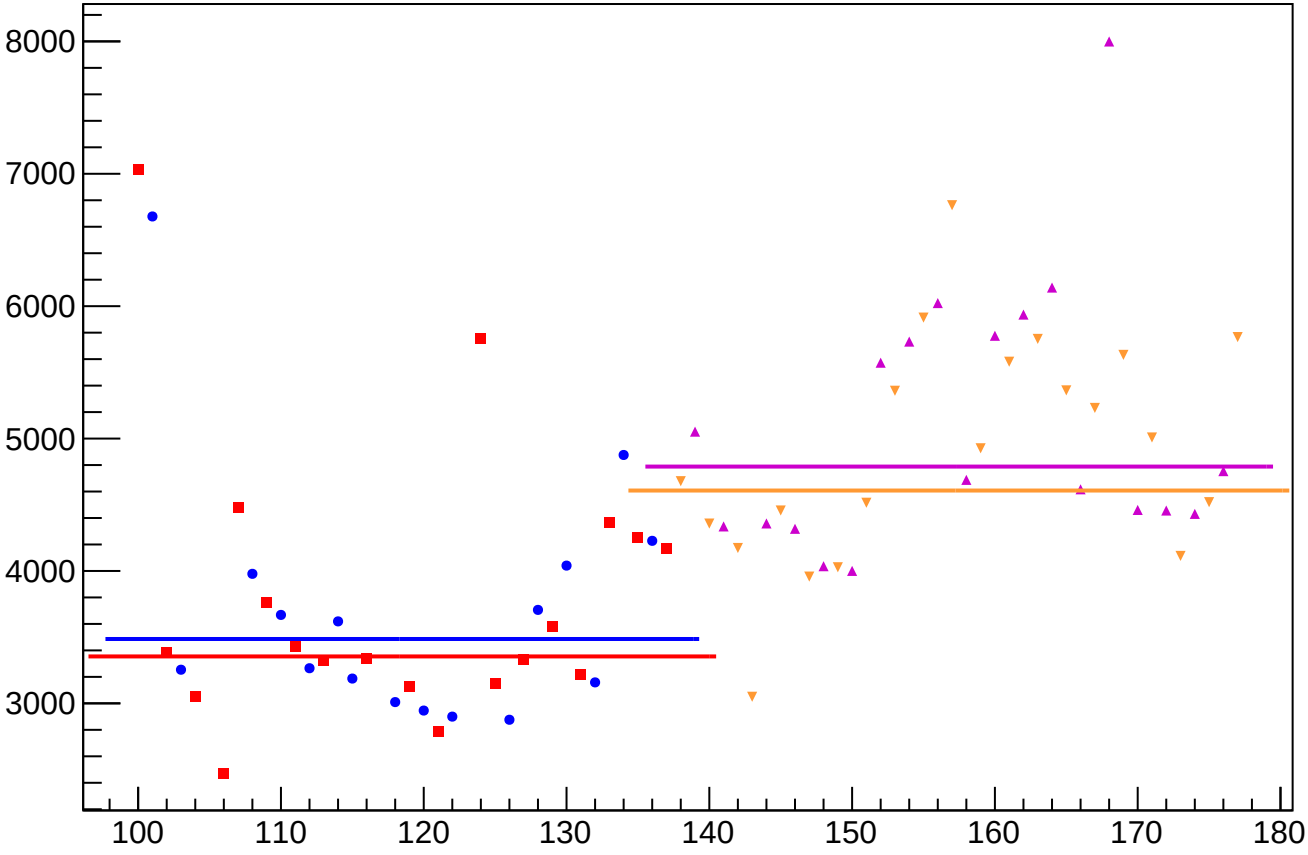
Left In: 68.430+/-1233.966 χ^2/NDF:11.2/18

+ sign 155.446+/-870.593 χ^2/NDF: 43.3/36

All: 23.504+/-621.301 χ^2/NDF: 69.9/74

- sign -113.439+/-886.939 χ^2/NDF: 26.5/37

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4607.549+/-0.816 χ^2/NDF:1120636.1/20

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

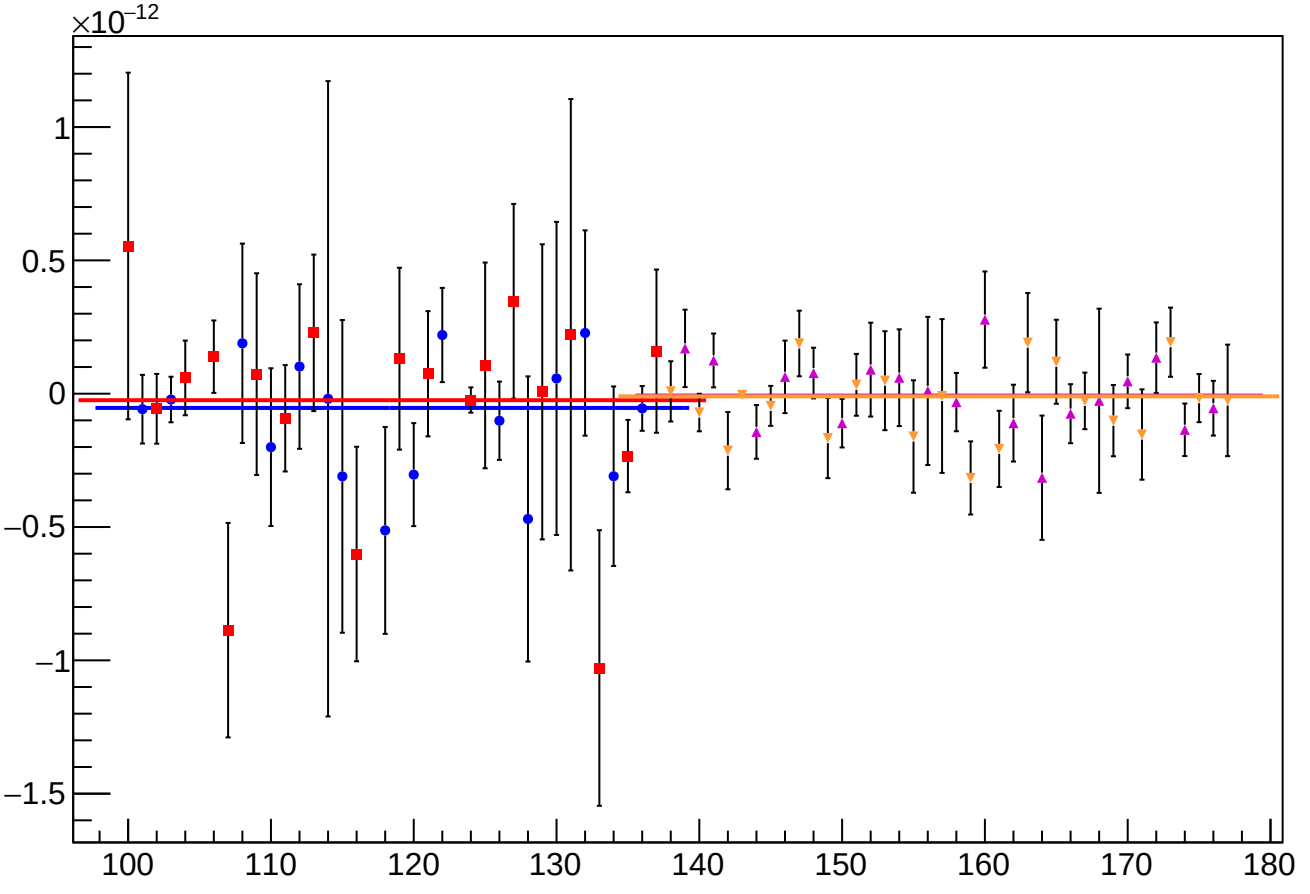
Left In: 4788.468+/-0.873 χ^2/NDF:815745.6/18

+ sign 4125.075+/-0.616 χ^2/NDF: 2529843.5/36

All: 4105.391+/-0.438 χ^2/NDF: 5048677.3/74

- sign 4085.239+/-0.623 χ^2/NDF: 2516764.7/37

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

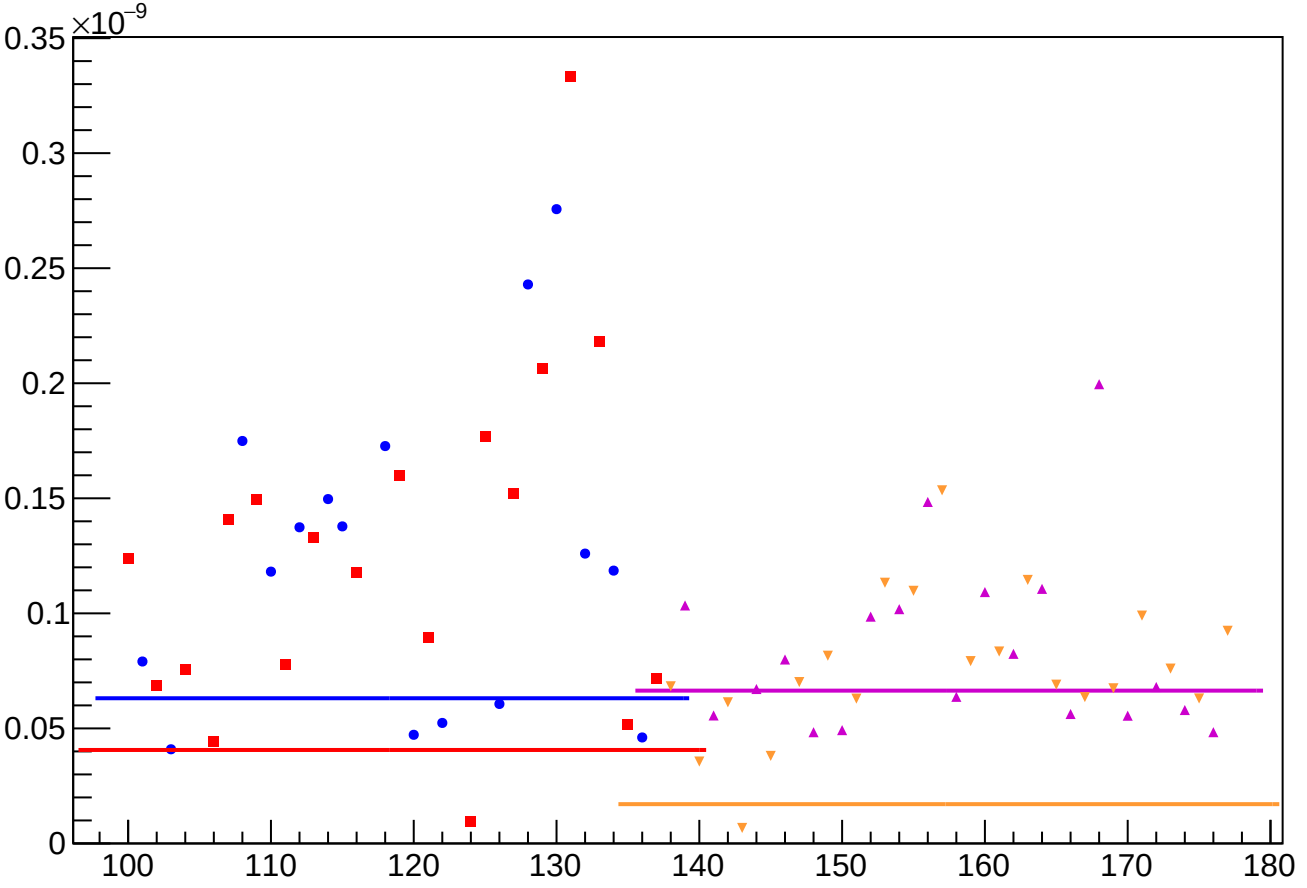
Left In: -0.000+/-0.000 χ^2/NDF:16.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/36

All: -0.000+/-0.000 χ^2/NDF: 64.3/74

- sign -0.000+/-0.000 χ^2/NDF: 34.9/37

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8532198.9/20

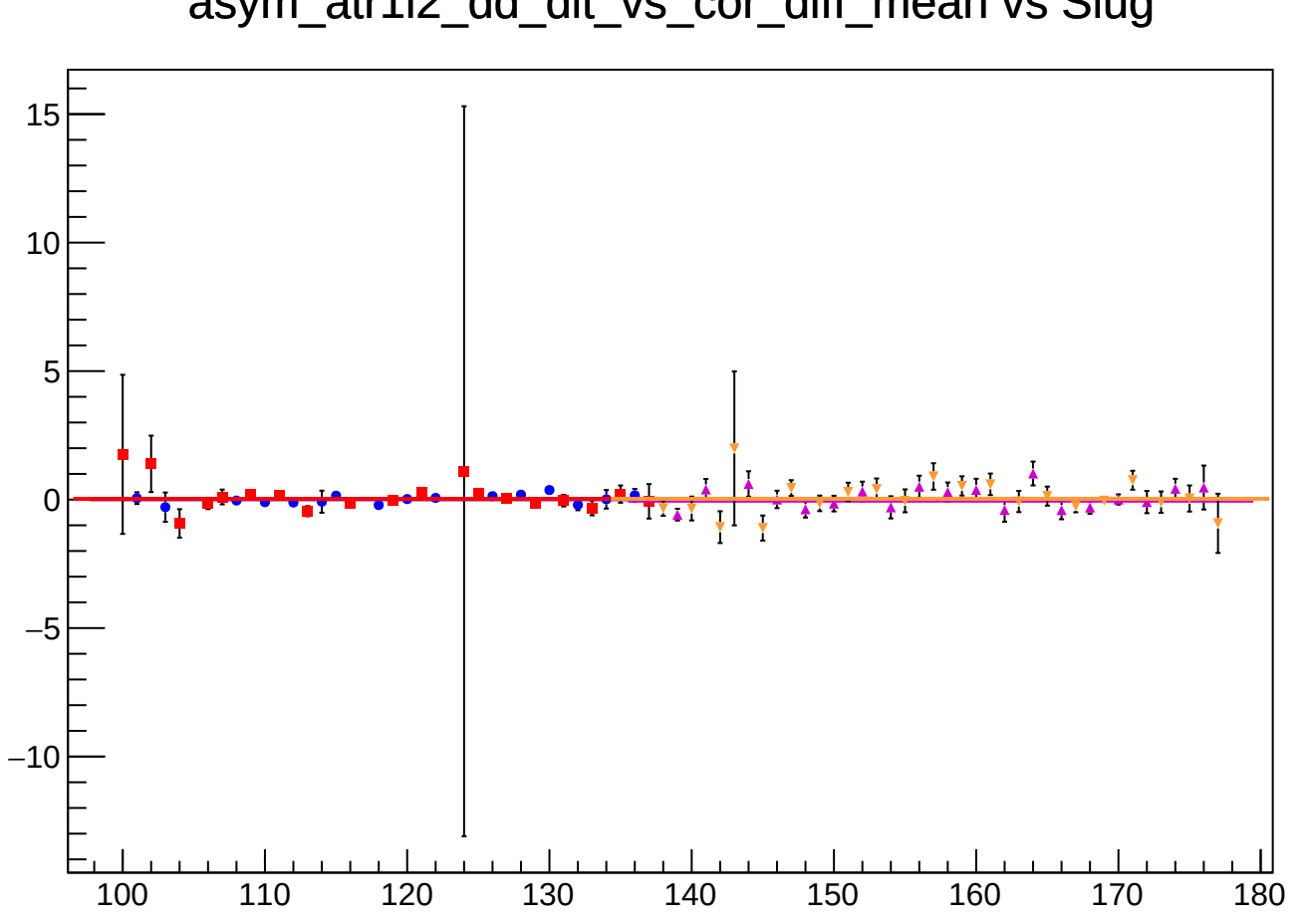
Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1258555.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 11968285.1/36

All: 0.000+/-0.000 χ^2/NDF: 21260475.7/74

- sign 0.000+/-0.000 χ^2/NDF: 5067562.7/37



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.031+/-0.079 χ^2/NDF:27.6/20

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

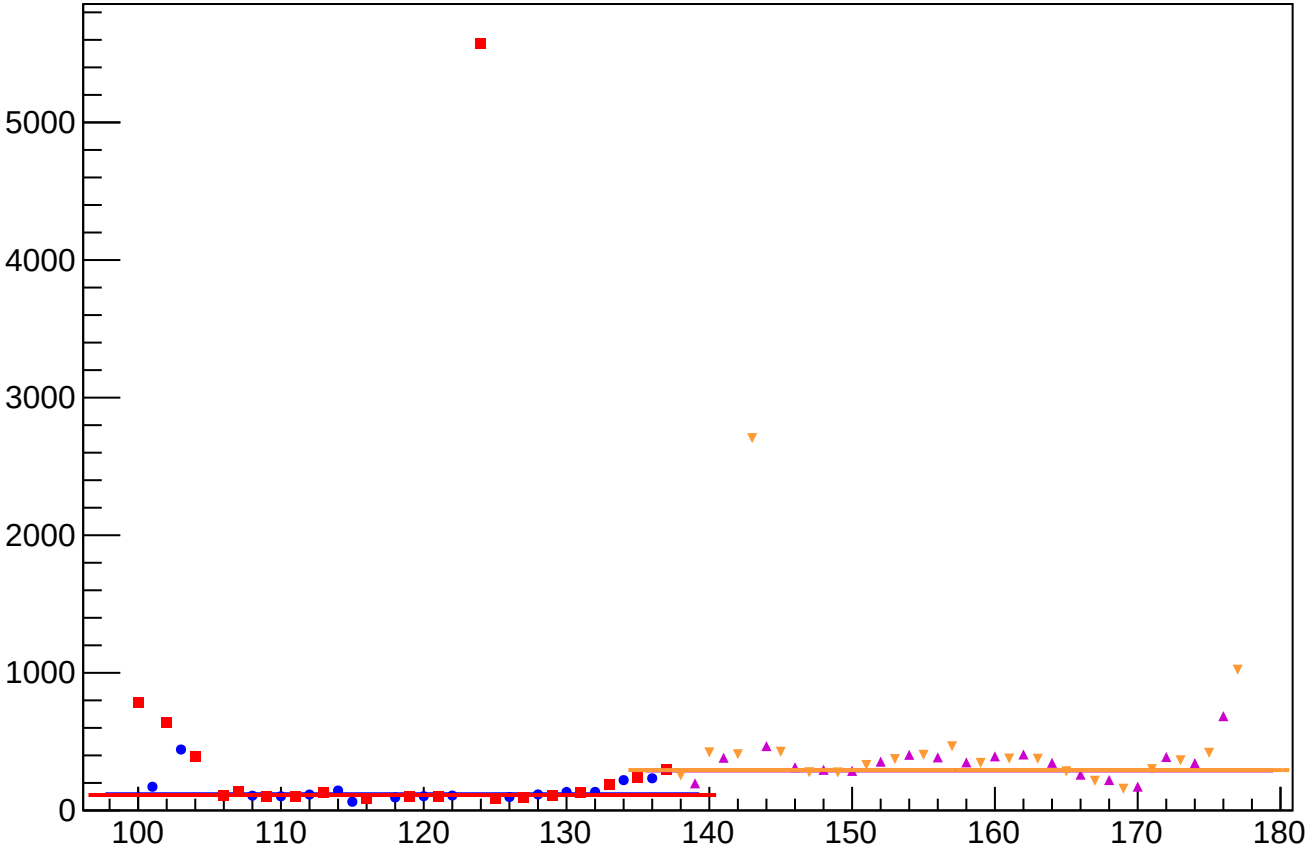
Left In: -0.042+/-0.079 χ^2/NDF:24.3/18

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/36

All: 0.014+/-0.029 χ^2/NDF: 86.4/74

- sign 0.008+/-0.040 χ^2/NDF: 46.9/37

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 293.442+/-0.056 χ^2/NDF:4715087.9/20

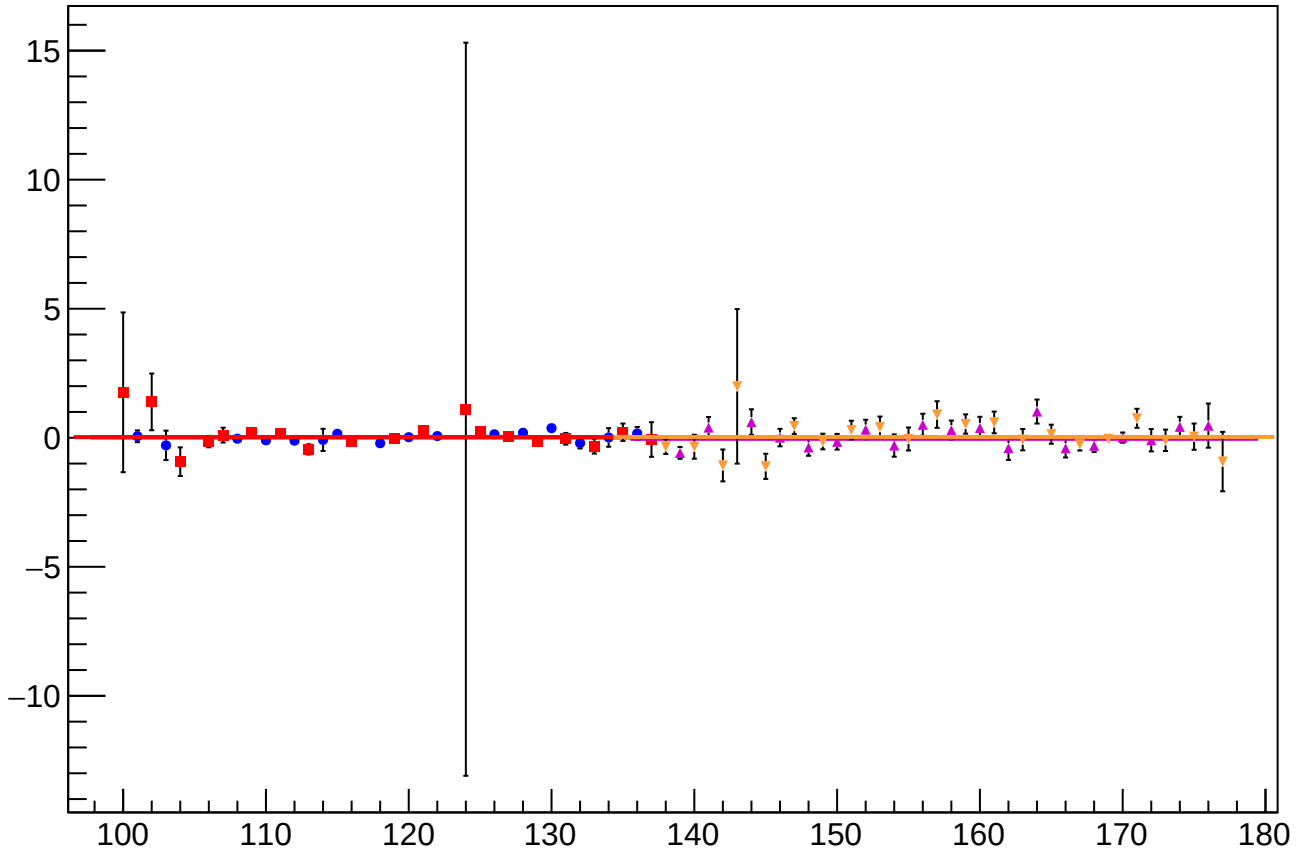
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 290.588+/-0.056 χ^2/NDF:2778160.9/18

+ sign 164.697+/-0.029 χ^2/NDF: 13648803.5/36

All: 161.773+/-0.020 χ^2/NDF: 26251563.1/74

- sign 158.957+/-0.028 χ^2/NDF: 12582784.8/37



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.031+/-0.079 χ^2/NDF:27.6/20

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

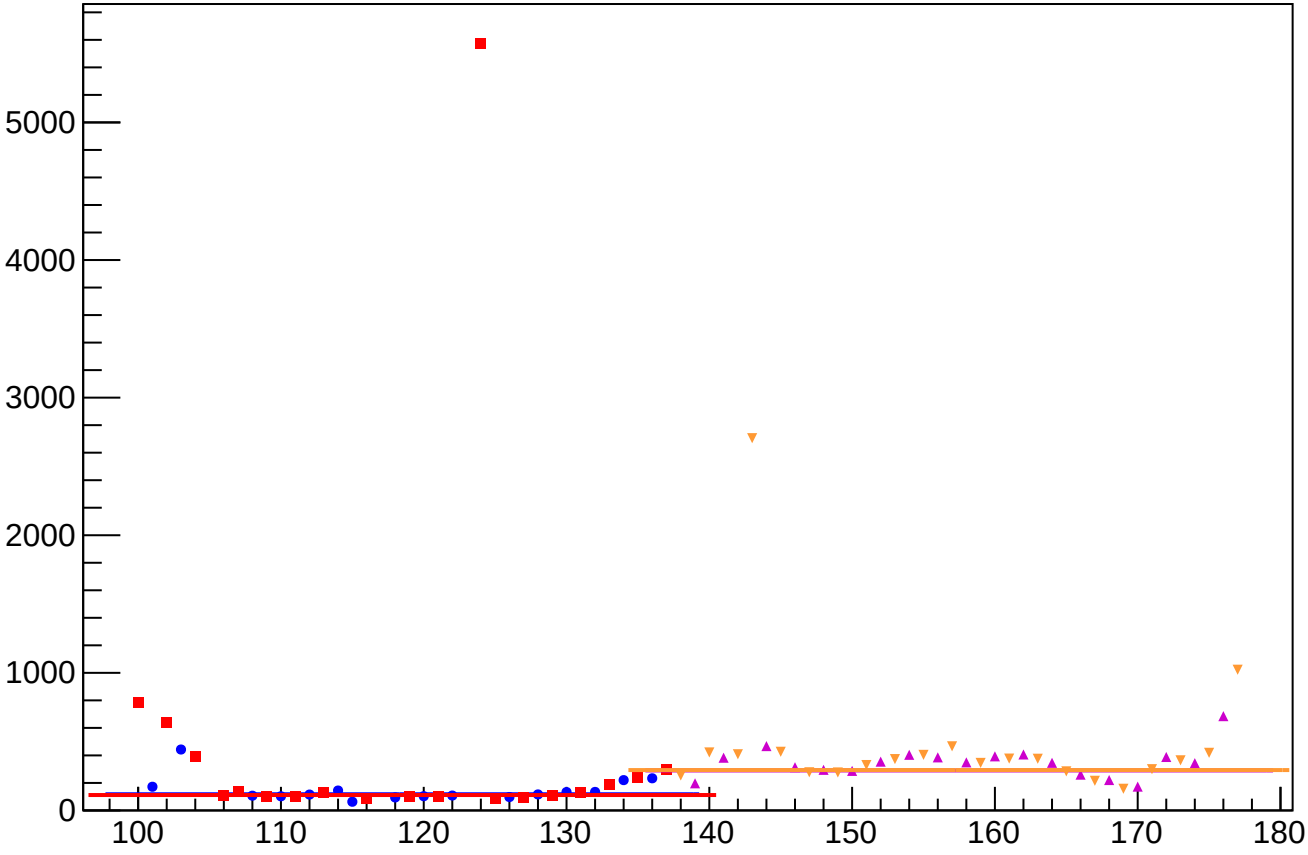
Left In: -0.042+/-0.079 χ^2/NDF:24.3/18

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/36

All: 0.014+/-0.029 χ^2/NDF: 86.4/74

- sign 0.008+/-0.040 χ^2/NDF: 46.9/37

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: 293.442+/-0.056 χ^2/NDF:4715087.9/20

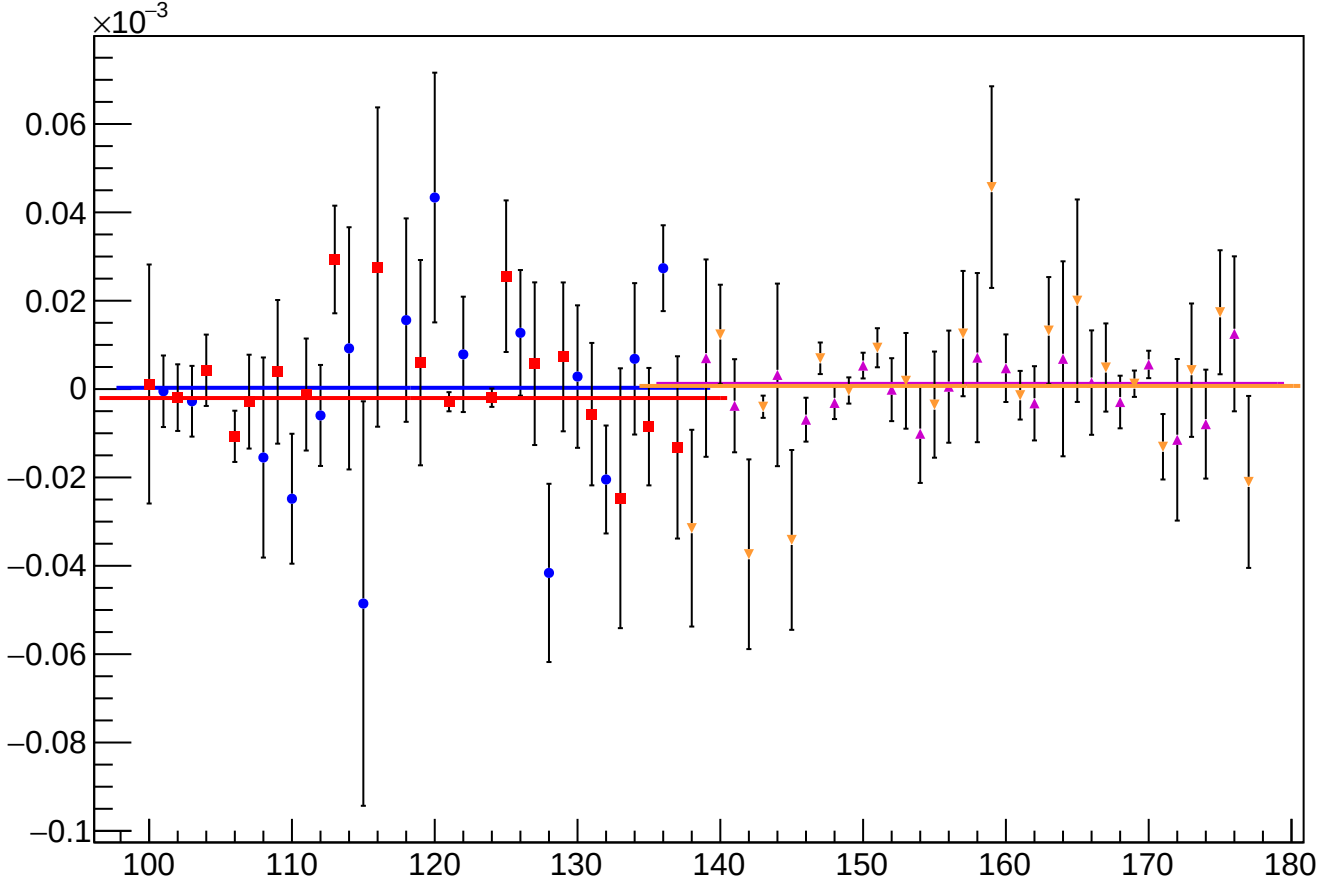
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 290.588+/-0.056 χ^2/NDF:2778160.9/18

+ sign 164.697+/-0.029 χ^2/NDF: 13648803.5/36

All: 161.773+/-0.020 χ^2/NDF: 26251563.1/74

- sign 158.957+/-0.028 χ^2/NDF: 12582784.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

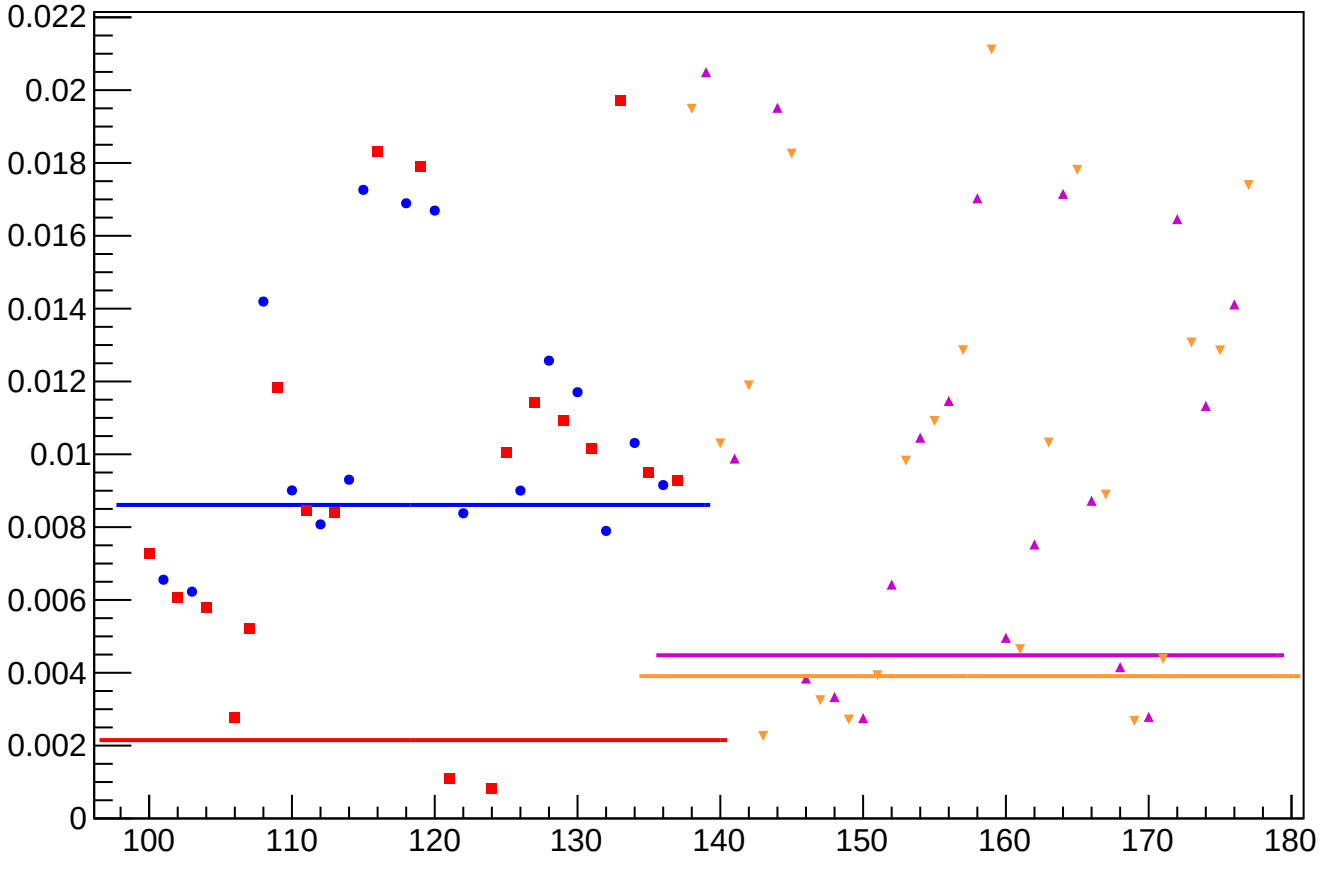
Left In: 0.000+/-0.000 χ^2/NDF:12.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 56.9/36

All: -0.000+/-0.000 χ^2/NDF: 86.9/74

- sign -0.000+/-0.000 χ^2/NDF: 29.4/37

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:12036726.5/20

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

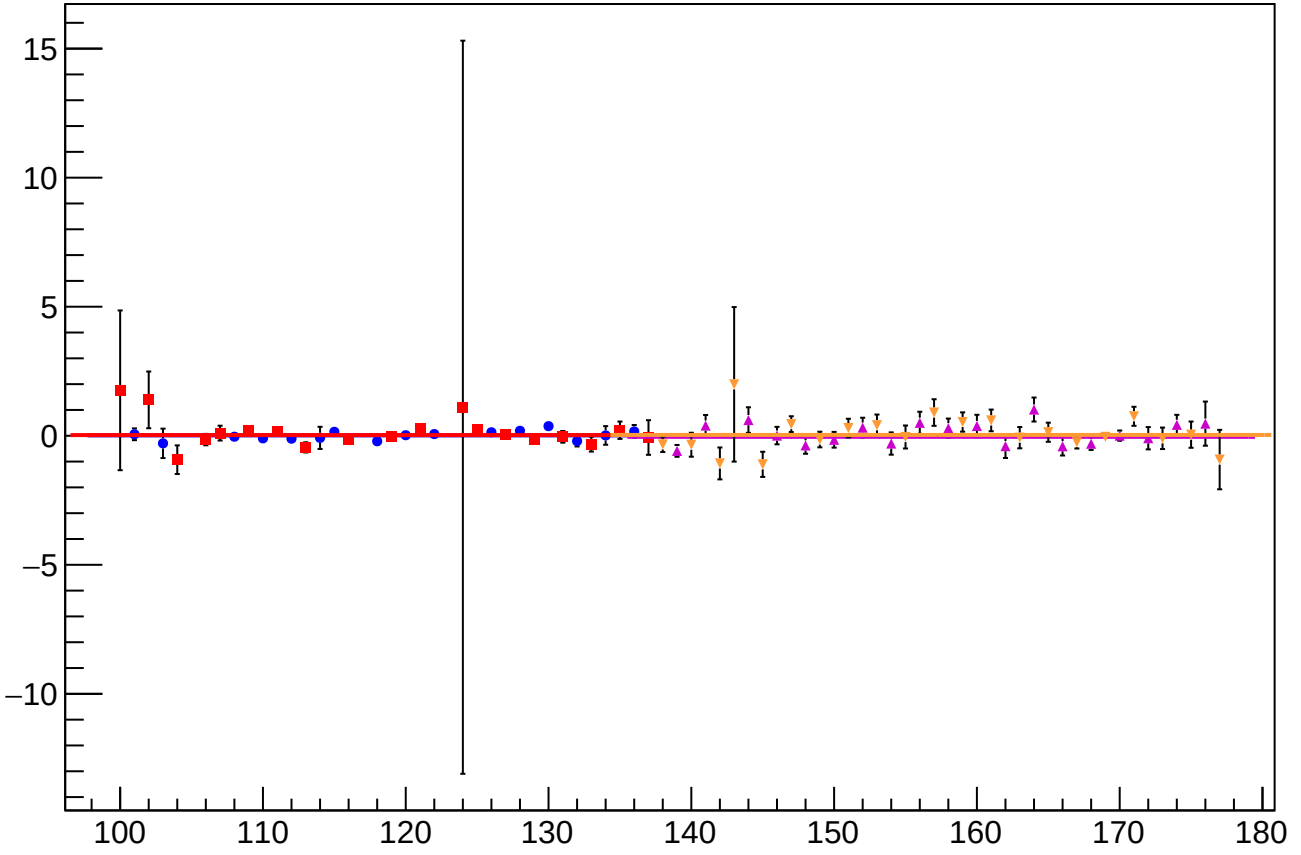
Left In: 0.004+/-0.000 χ^2/NDF:9596290.7/18

+ sign 0.004+/-0.000 χ^2/NDF: 16559381.3/36

All: 0.004+/-0.000 χ^2/NDF: 39373645.6/74

- sign 0.003+/-0.000 χ^2/NDF: 21452168.3/37

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: 0.031+/-0.079 χ^2/NDF:27.6/20

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

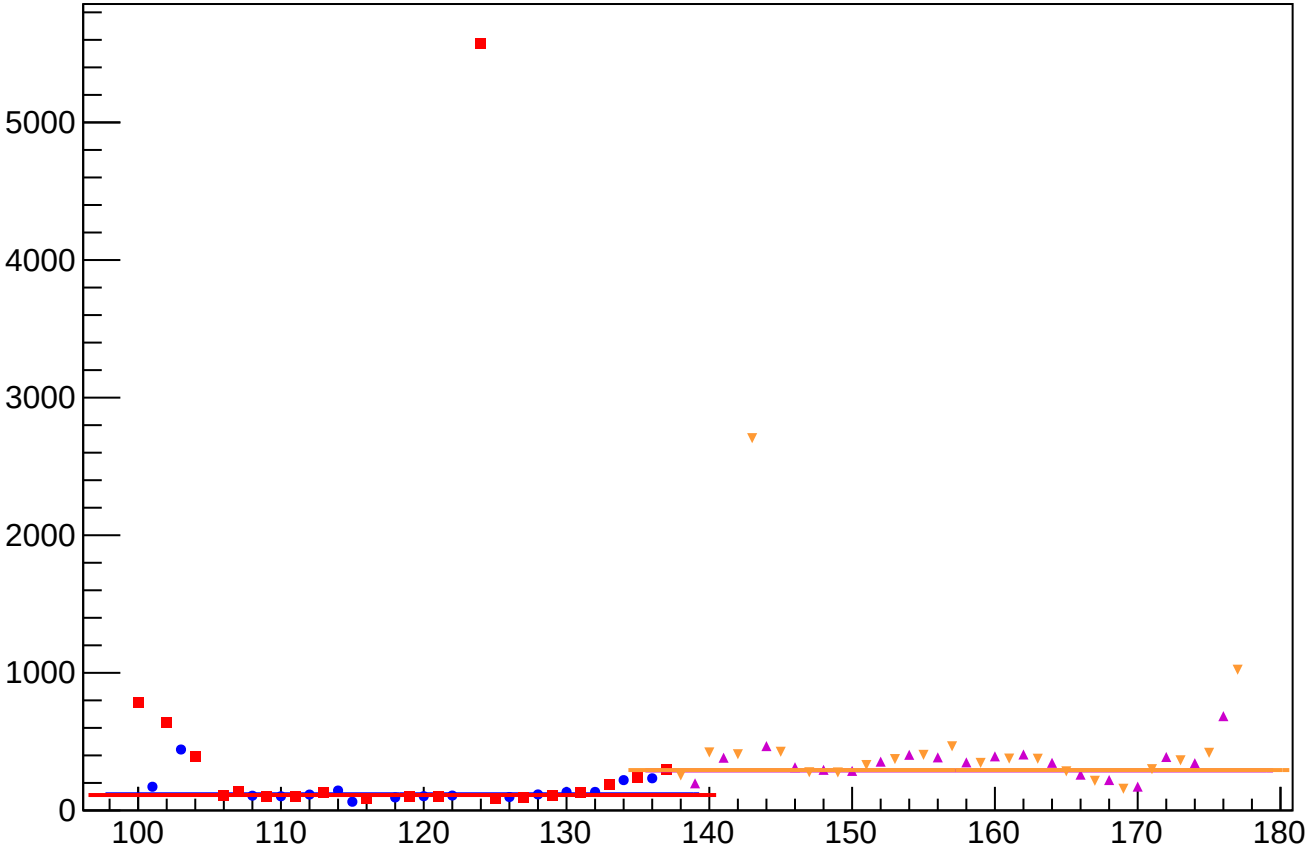
Left In: -0.042+/-0.079 χ^2/NDF:24.3/18

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/36

All: 0.014+/-0.029 χ^2/NDF: 86.4/74

- sign 0.008+/-0.040 χ^2/NDF: 46.9/37

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 293.443+/-0.056 χ^2/NDF:4715146.3/20

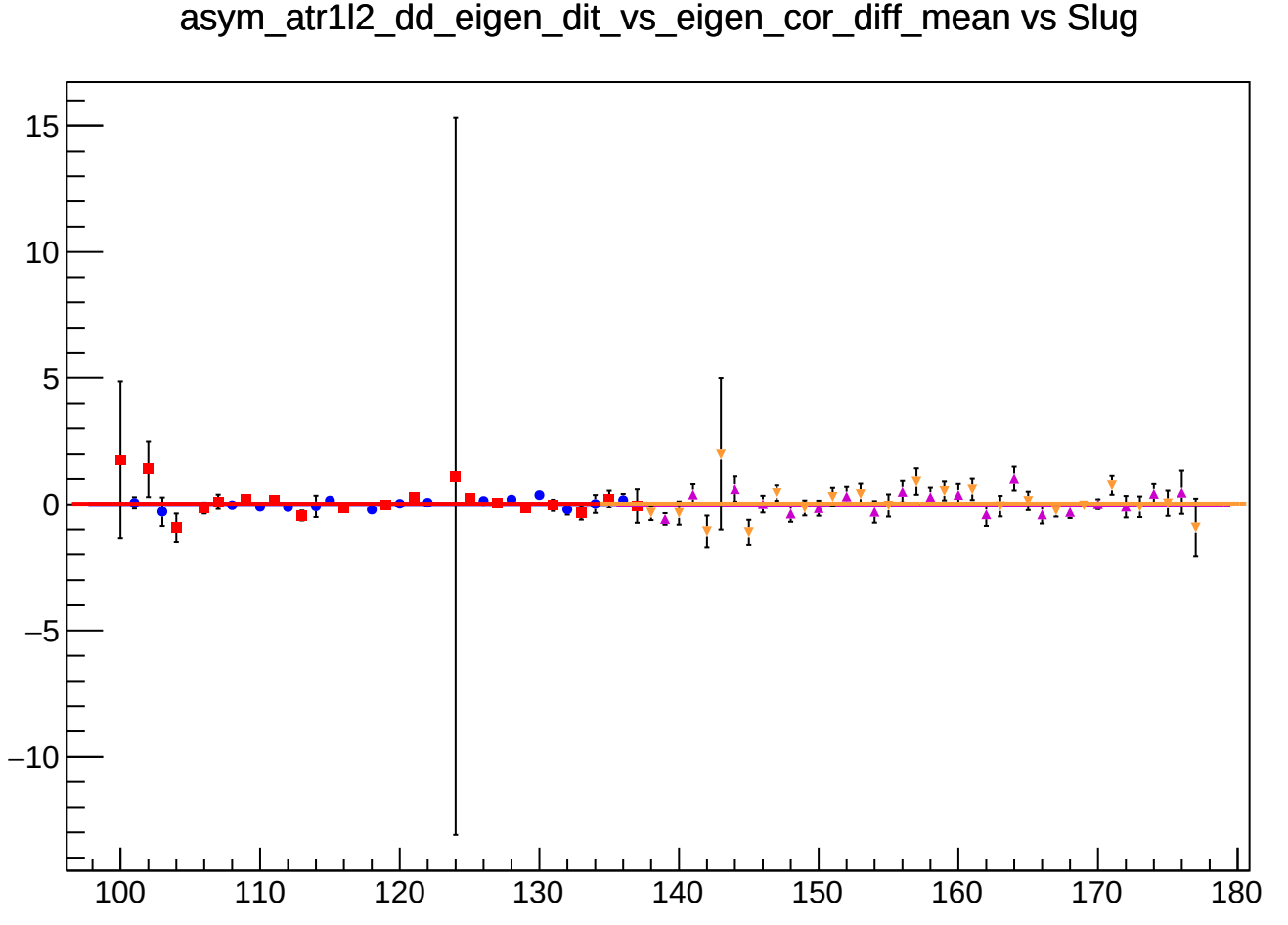
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 290.591+/-0.056 χ^2/NDF:2778138.7/18

+ sign 164.697+/-0.029 χ^2/NDF: 13648891.9/36

All: 161.775+/-0.020 χ^2/NDF: 26251496.7/74

- sign 158.959+/-0.028 χ^2/NDF: 12582644.4/37



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.031+/-0.079 χ^2/NDF:27.6/20

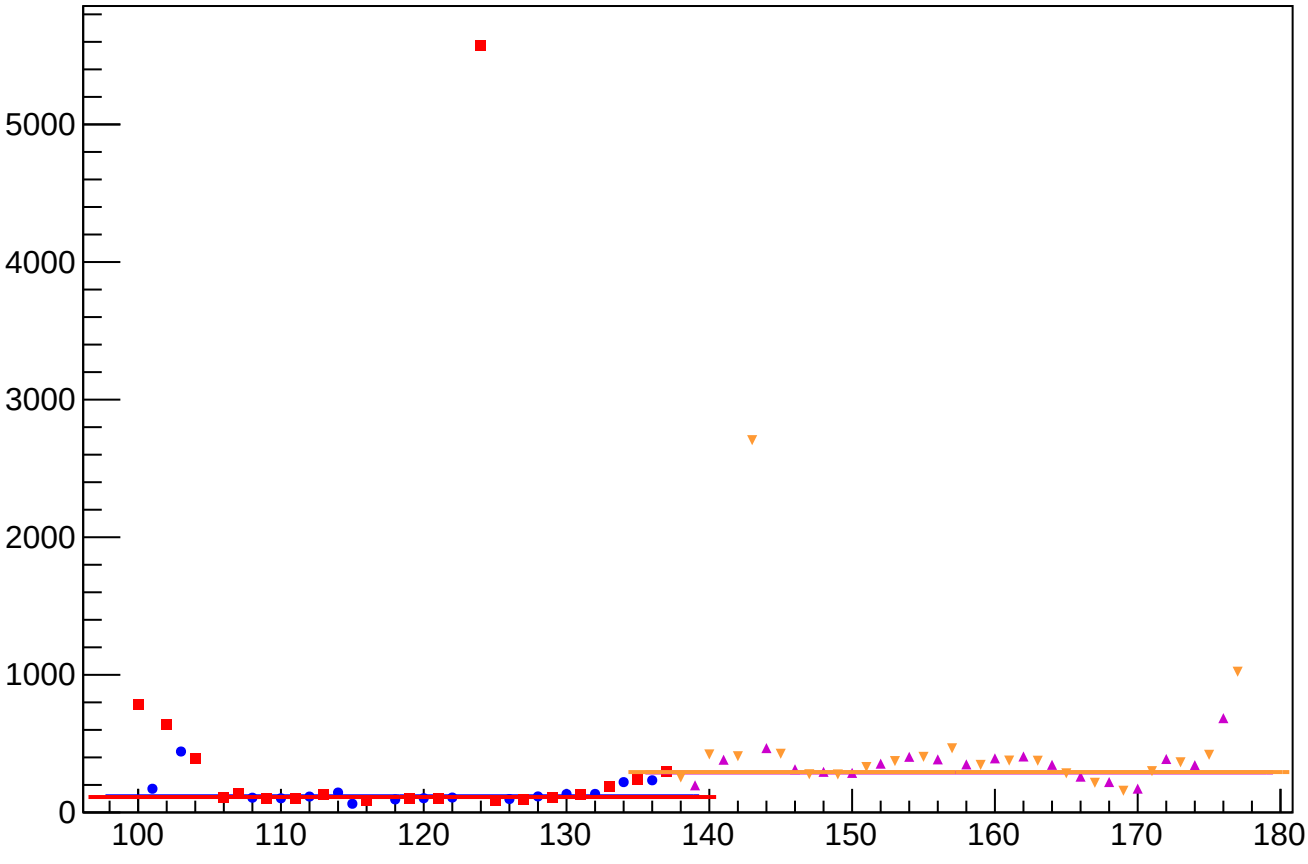
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.042+/-0.079 χ^2/NDF:24.3/18

+ sign 0.020+/-0.041 χ^2/NDF: 39.5/36

All: 0.014+/-0.029 χ^2/NDF: 86.4/74

- sign 0.008+/-0.040 χ^2/NDF: 46.9/37



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 293.443+/-0.056 χ^2/NDF:4715146.3/20

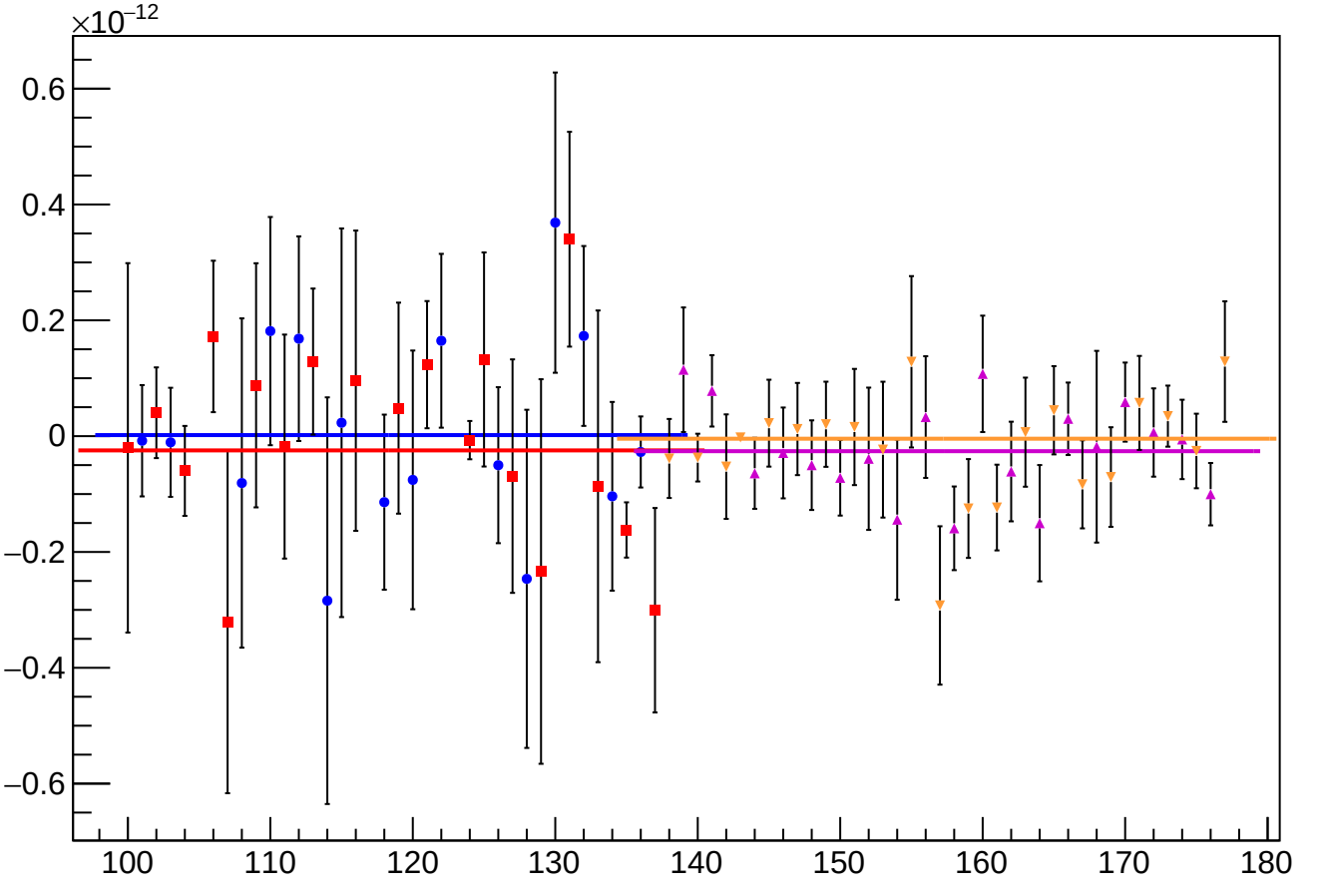
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 290.591+/-0.056 χ^2/NDF:2778138.7/18

+ sign 164.697+/-0.029 χ^2/NDF: 13648891.9/36

All: 161.775+/-0.020 χ^2/NDF: 26251496.7/74

- sign 158.959+/-0.028 χ^2/NDF: 12582644.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

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

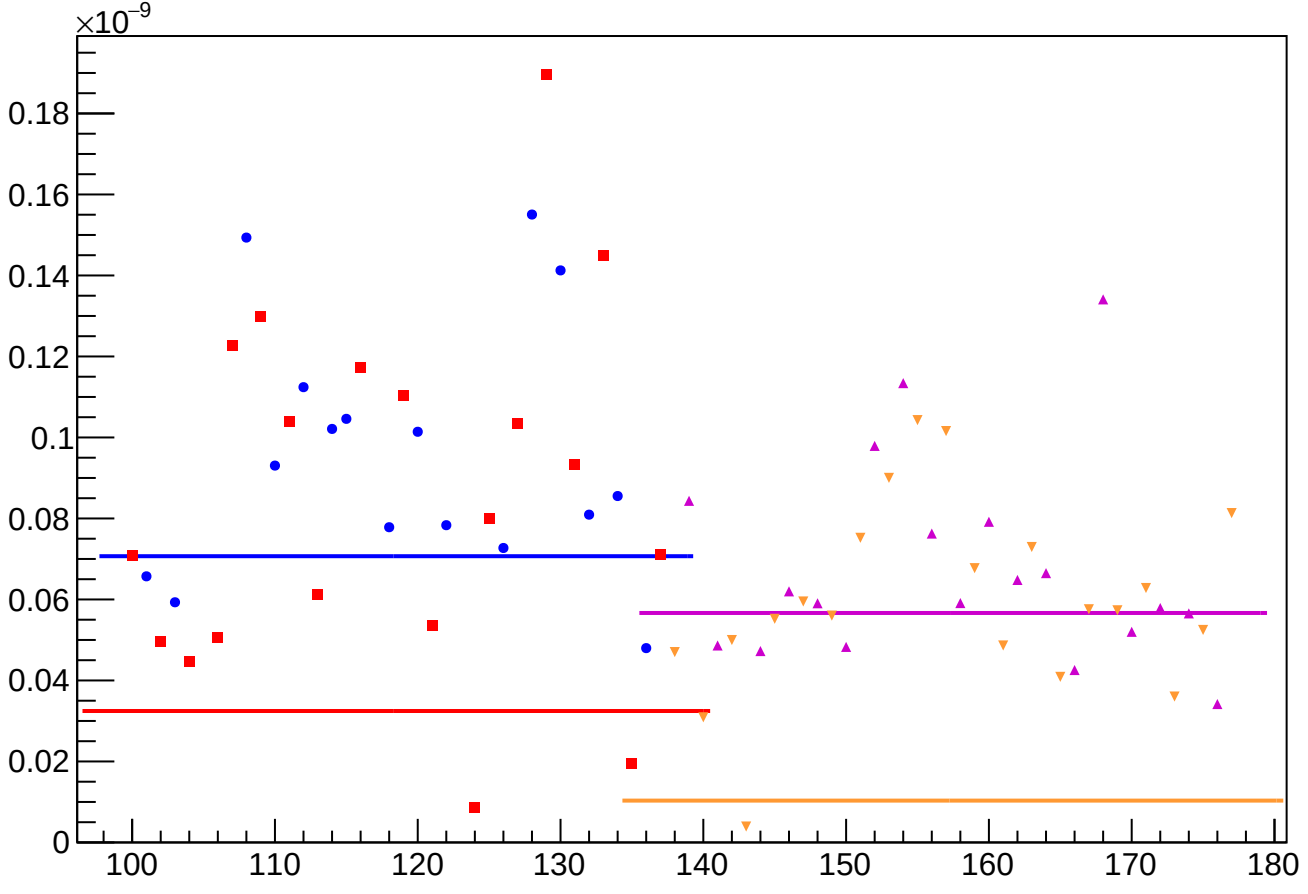
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 25.6/36

All: -0.000+/-0.000 χ^2/NDF: 69.8/74

- sign -0.000+/-0.000 χ^2/NDF: 42.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16155382.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

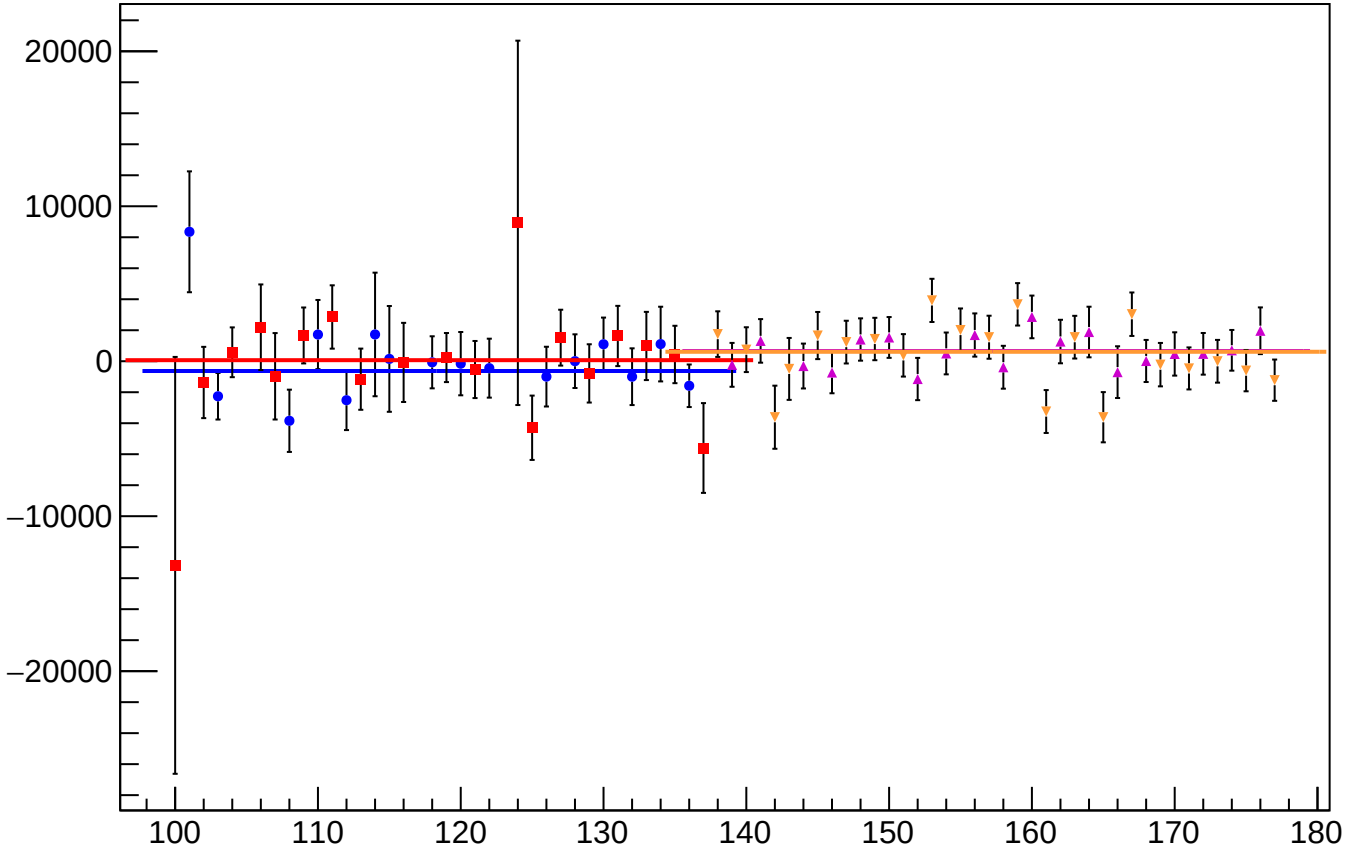
Left In: 0.000+/-0.000 χ^2/NDF:1926865.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 23127482.9/36

All: 0.000+/-0.000 χ^2/NDF: 41637278.5/74

- sign 0.000+/-0.000 χ^2/NDF: 7868578.3/37

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.349+/-313.353 χ^2/NDF:40.3/20

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

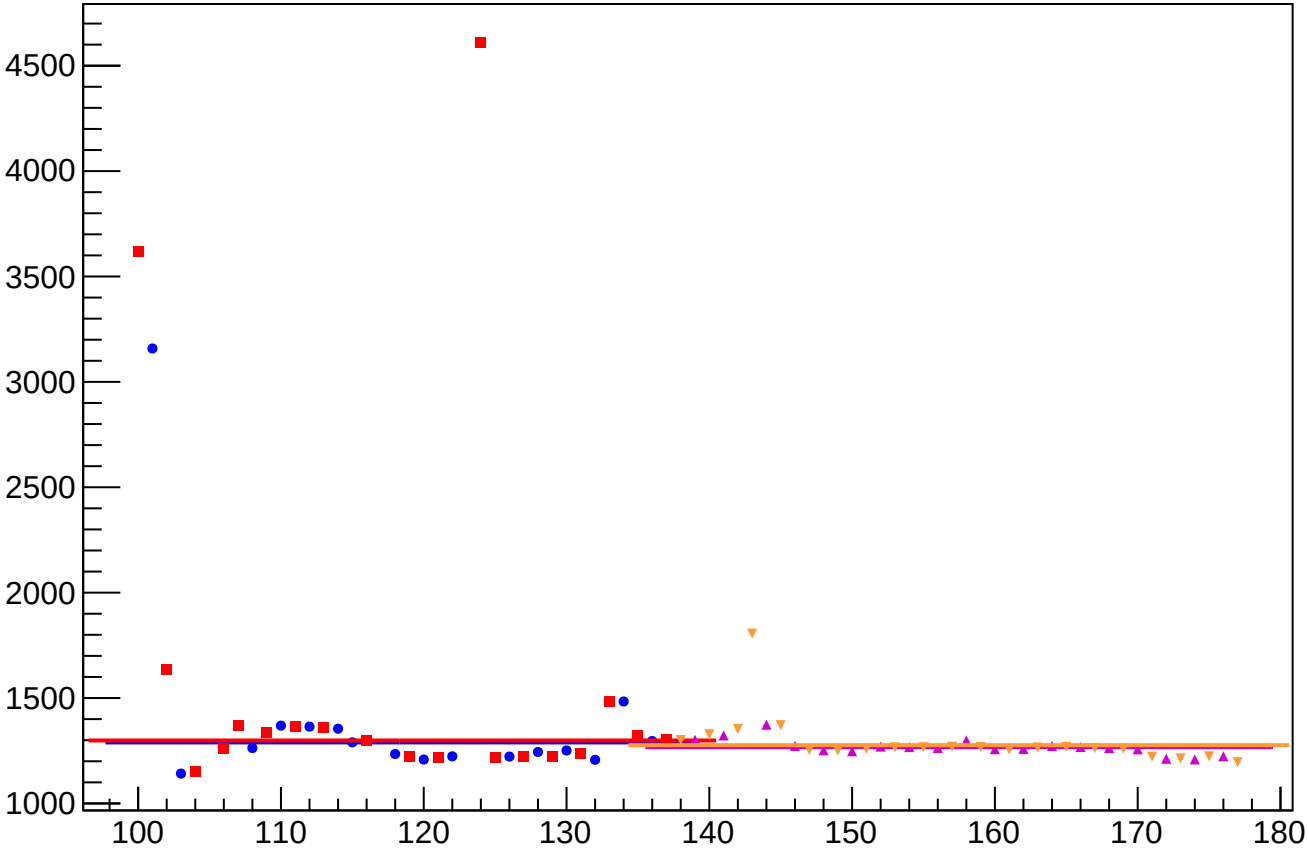
Left In: 656.785+/-321.523 χ^2/NDF:10.7/18

\+ sign 248.630+/-263.779 χ^2/NDF: 58.8/36

All: 361.467+/-188.149 χ^2/NDF: 86.8/74

\- sign 478.332+/-268.447 χ^2/NDF: 27.6/37

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

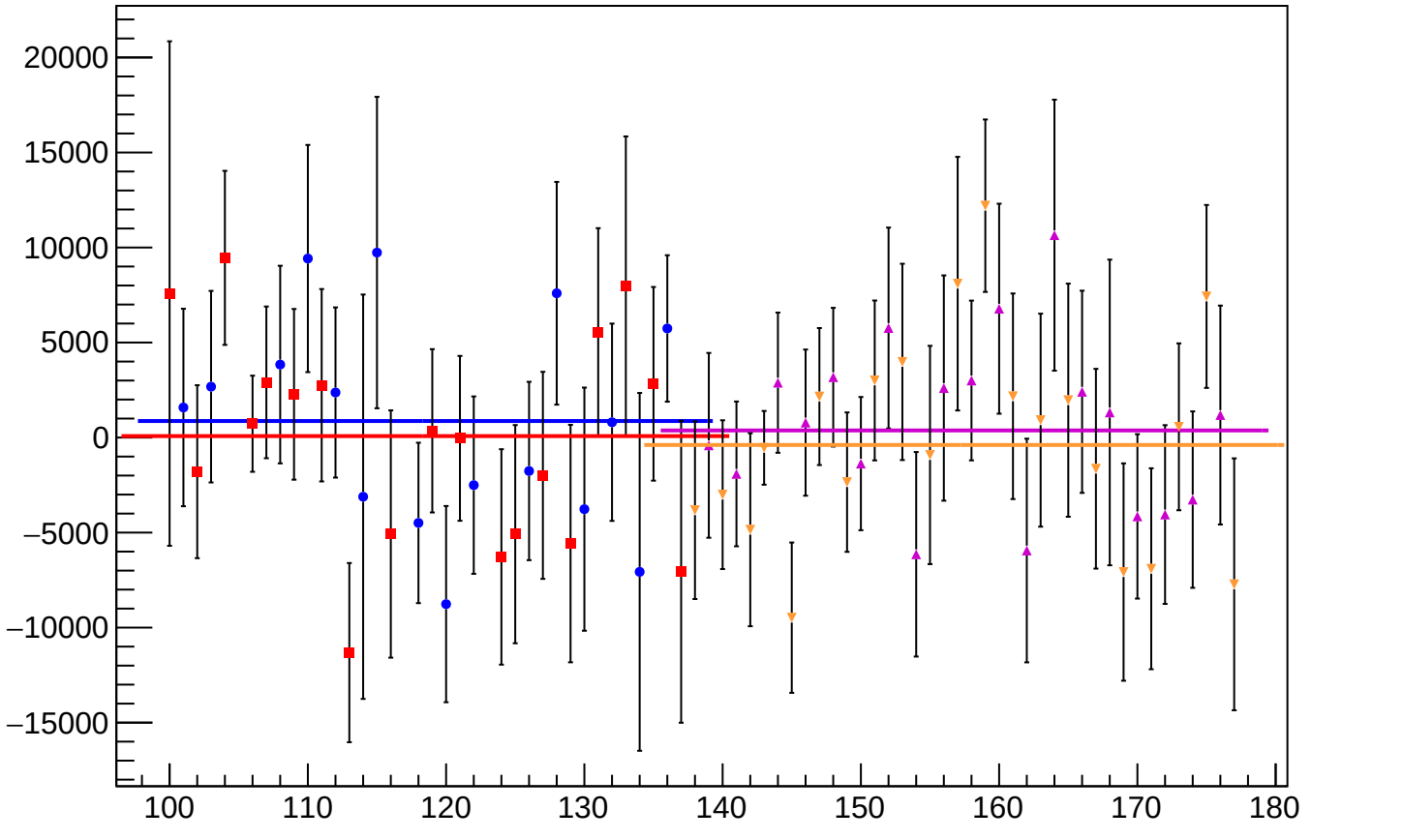
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1280.267+/-0.187 χ^2/NDF: 690306.9/36

All: 1278.470+/-0.133 χ^2/NDF: 1042022.9/74

- sign 1276.612+/-0.190 χ^2/NDF: 351527.2/37



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -389.734+/-936.900 χ^2/NDF:25.8/20

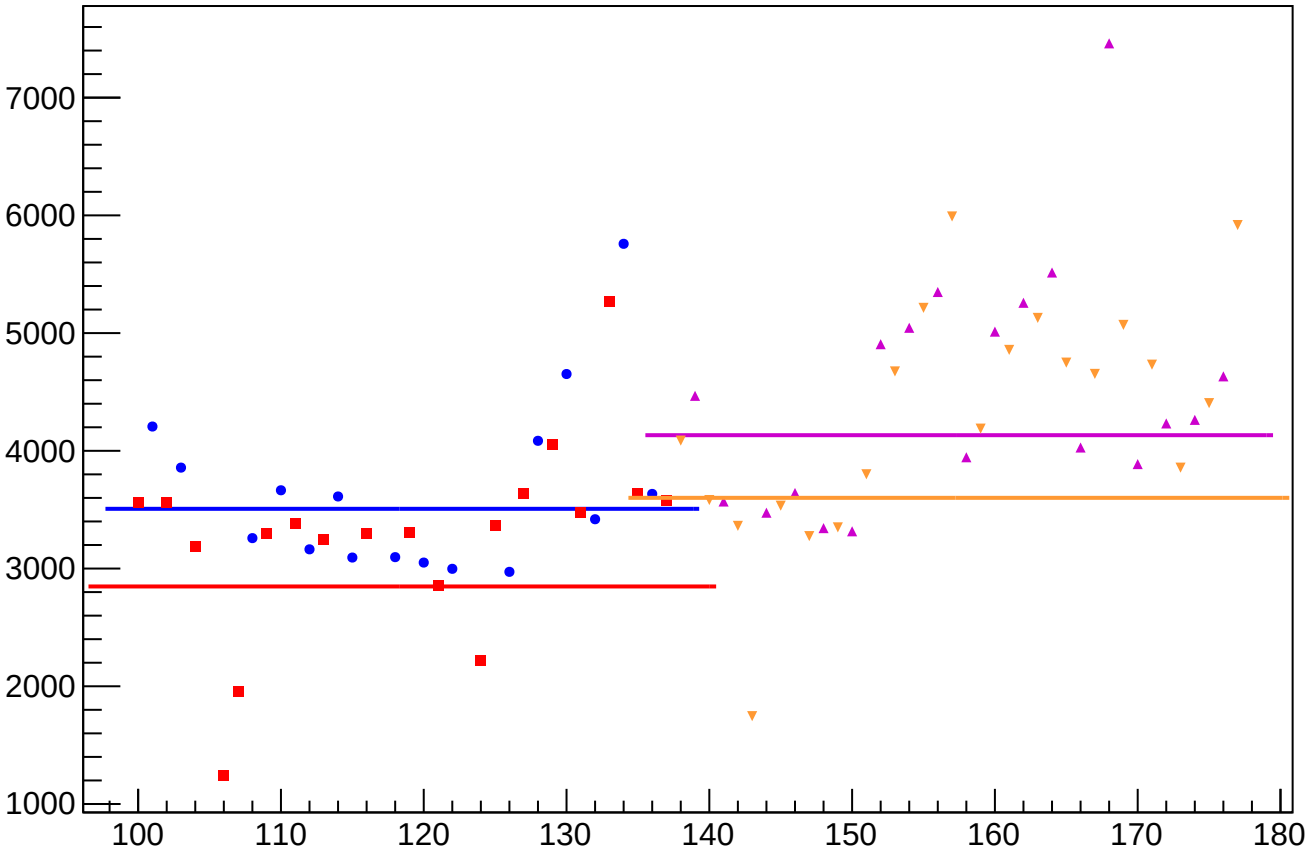
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 374.536+/-1071.133 χ^2/NDF:12.1/18

\+ sign 30.148+/-765.034 χ^2/NDF: 40.4/36

All: 129.958+/-543.106 χ^2/NDF: 71.0/74

\- sign 231.368+/-771.139 χ^2/NDF: 30.5/37



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3600.663+/-0.662 χ^2/NDF:3357722.6/20

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

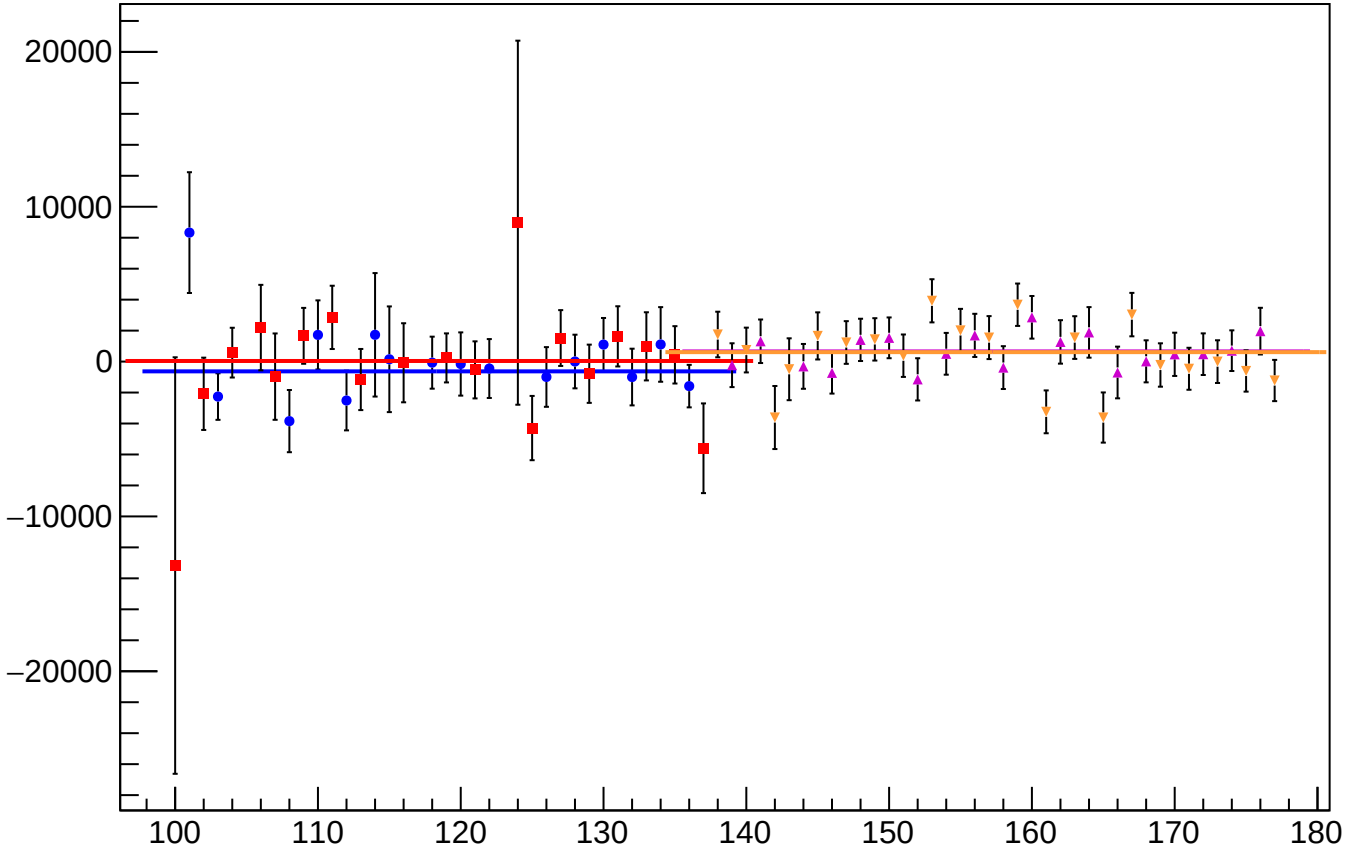
Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

+ sign 3569.584+/-0.541 χ^2/NDF: 3718306.2/36

All: 3541.932+/-0.384 χ^2/NDF: 7715754.6/74

- sign 3513.838+/-0.545 χ^2/NDF: 3992181.0/37

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

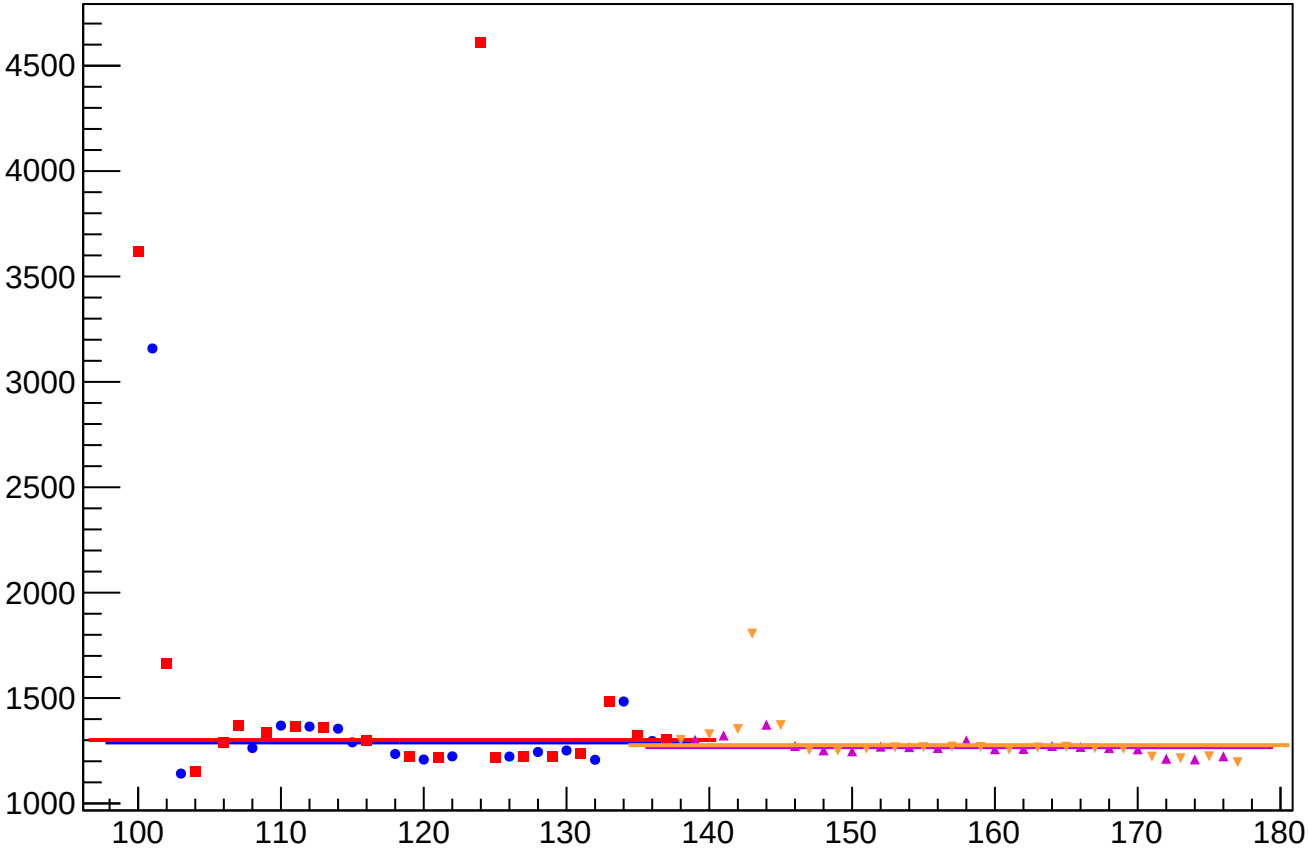
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

\+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 357.145+/-188.167 χ^2/NDF: 87.3/74

\- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

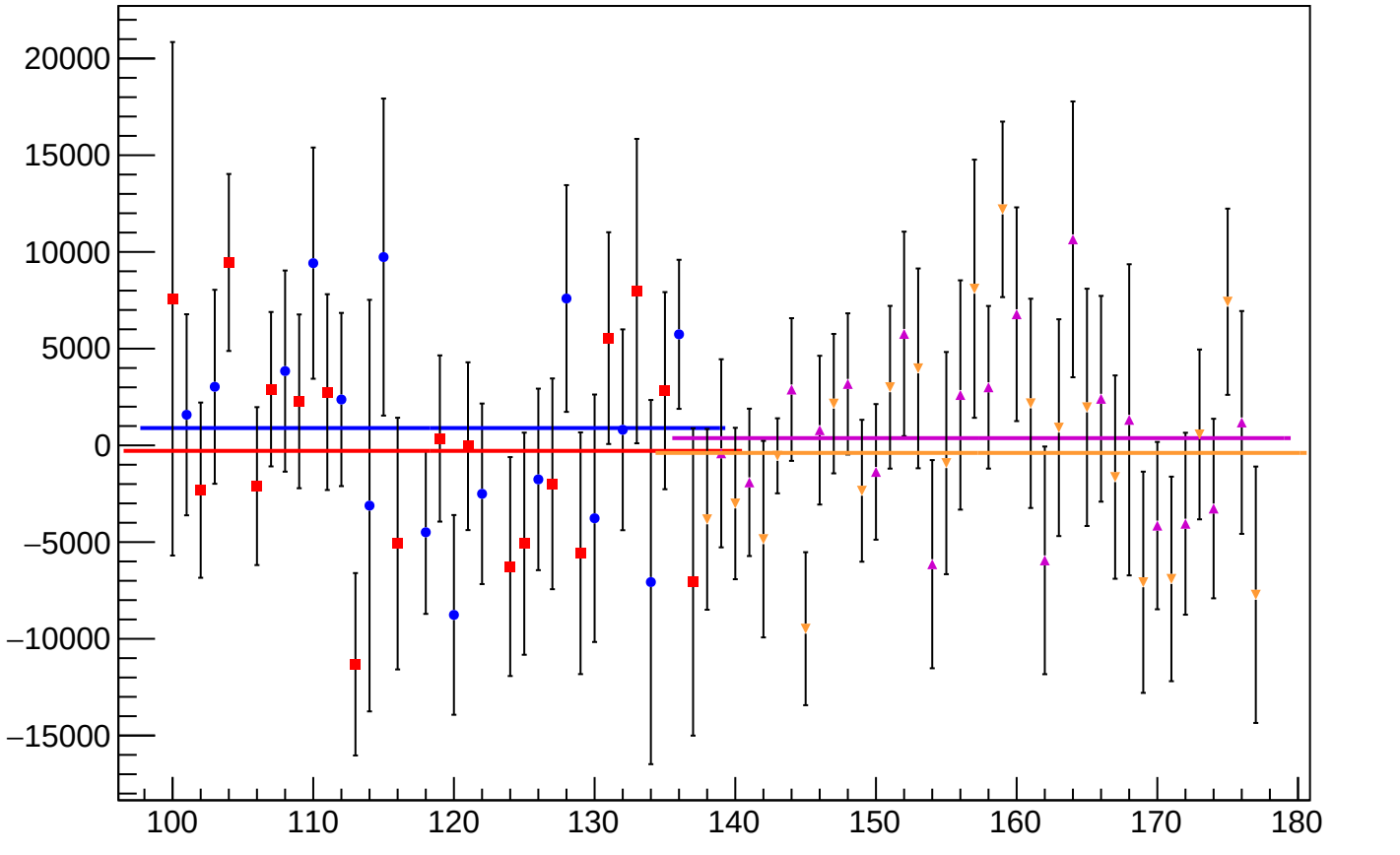
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -389.670+/-936.899 χ^2/NDF:25.8/20

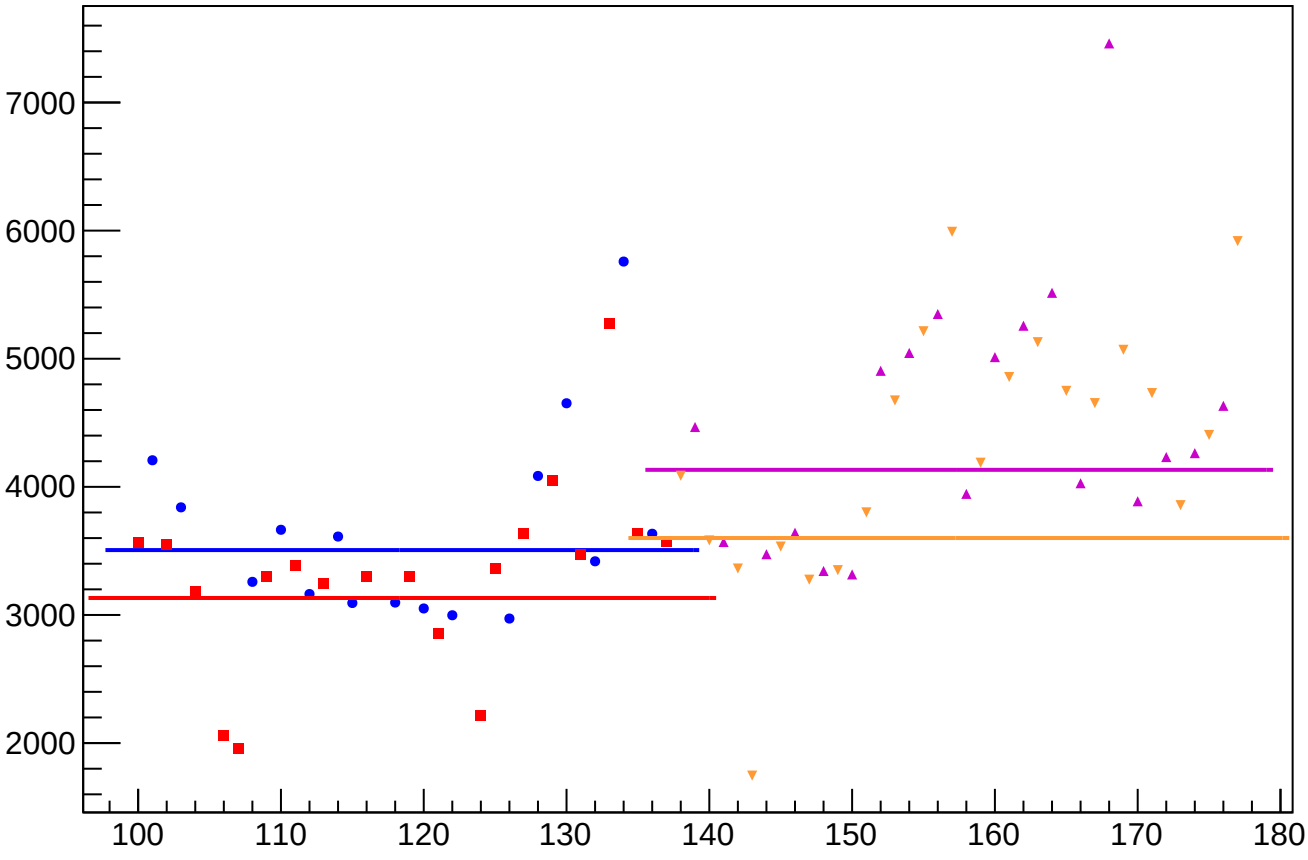
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 374.550+/-1071.131 χ^2/NDF:12.1/18

+ sign 38.958+/-764.945 χ^2/NDF: 40.5/36

All: 57.722+/-550.906 χ^2/NDF: 71.4/74

- sign 77.942+/-794.068 χ^2/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

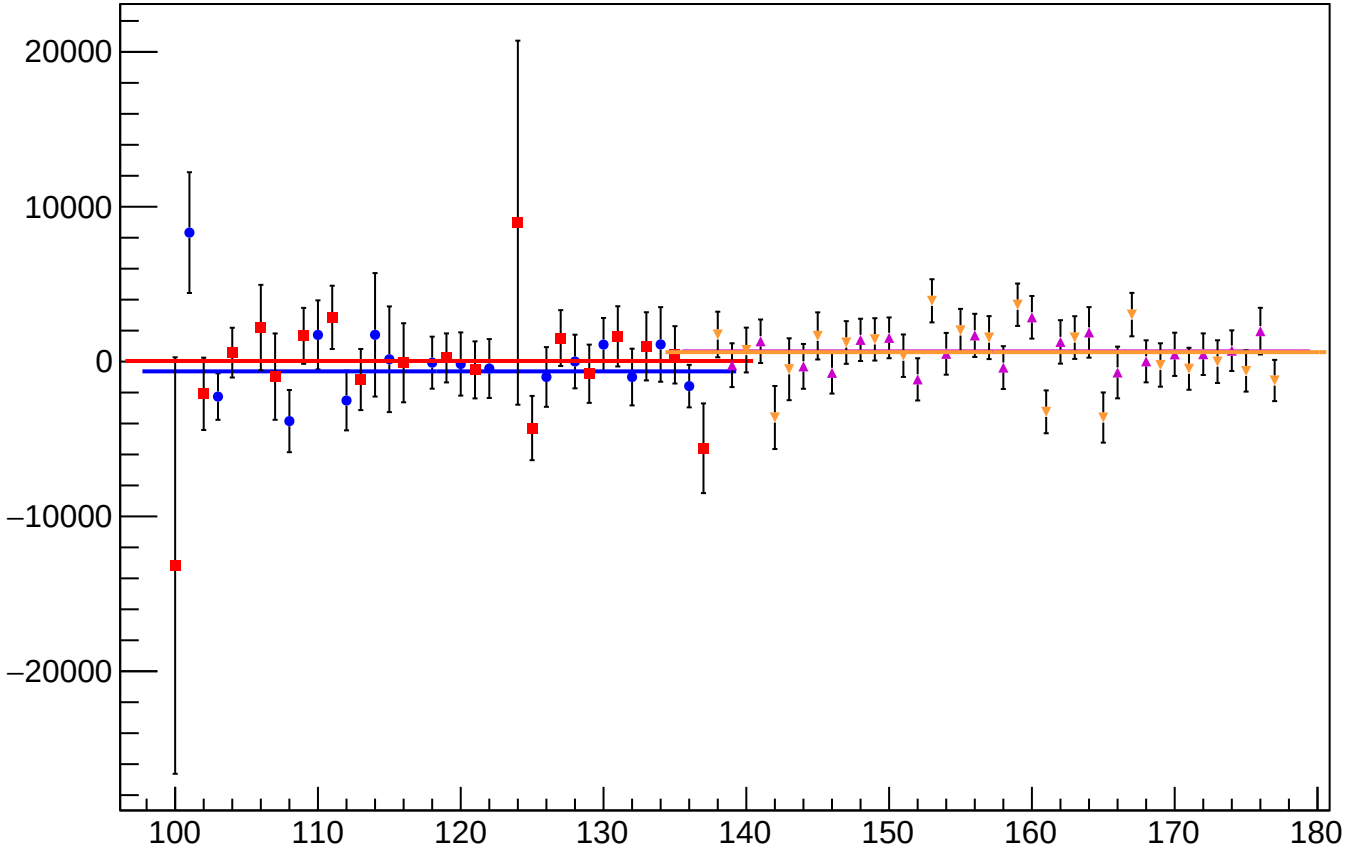
Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3569.259+/-0.541 χ^2/NDF: 3717732.5/36

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37

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: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

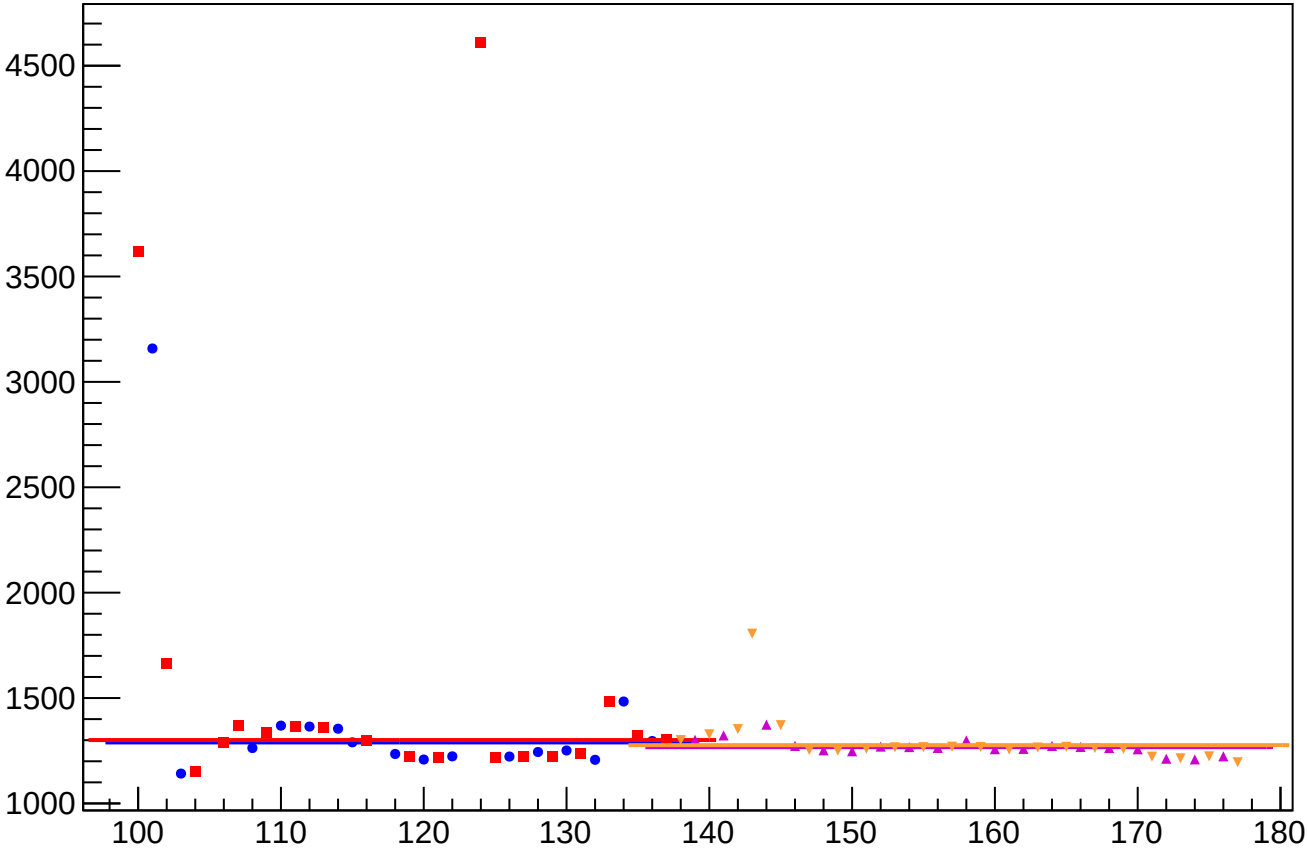
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 357.145+/-188.167 χ^2/NDF: 87.3/74

- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

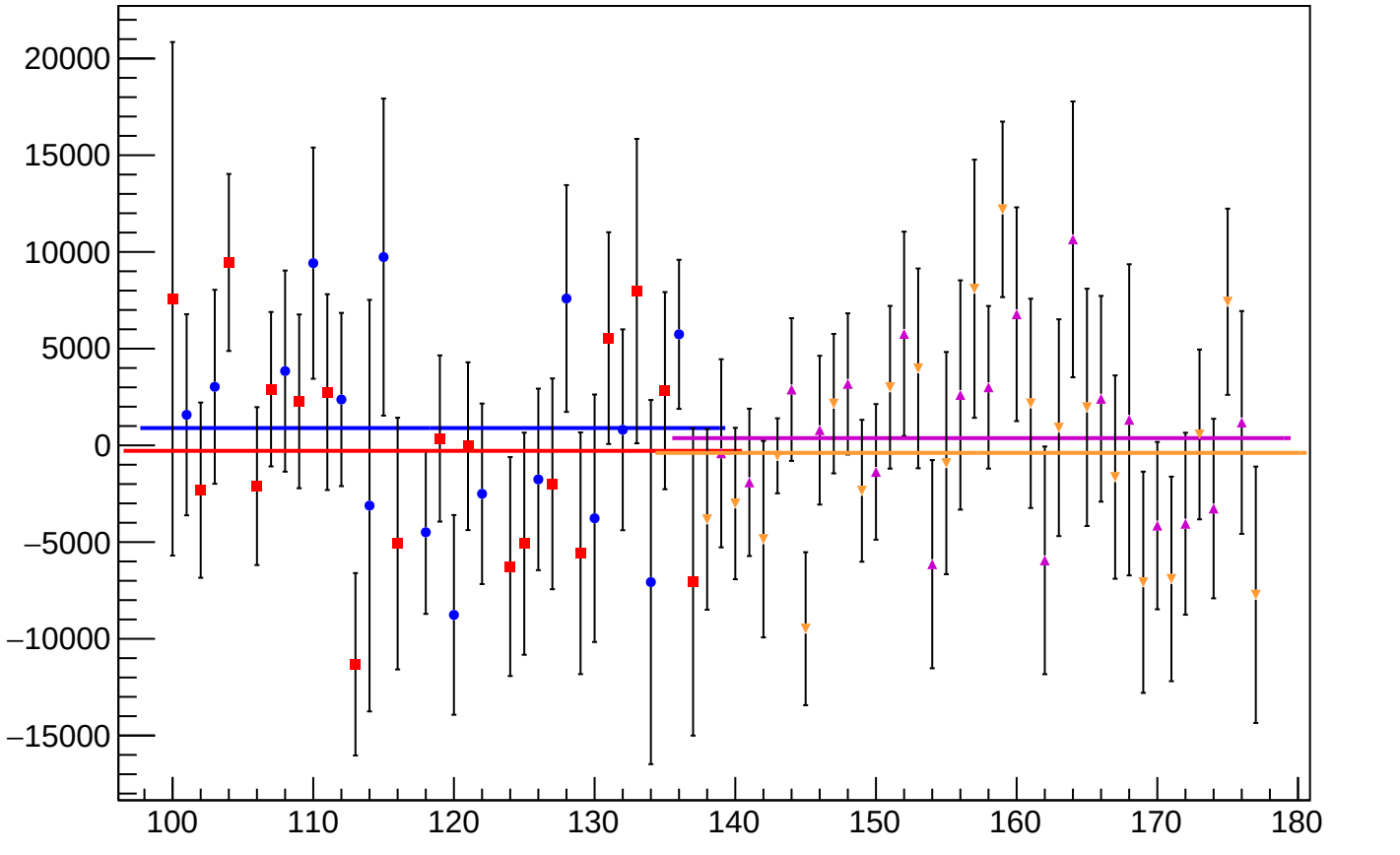
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -389.670+/-936.899 χ^2/NDF:25.8/20

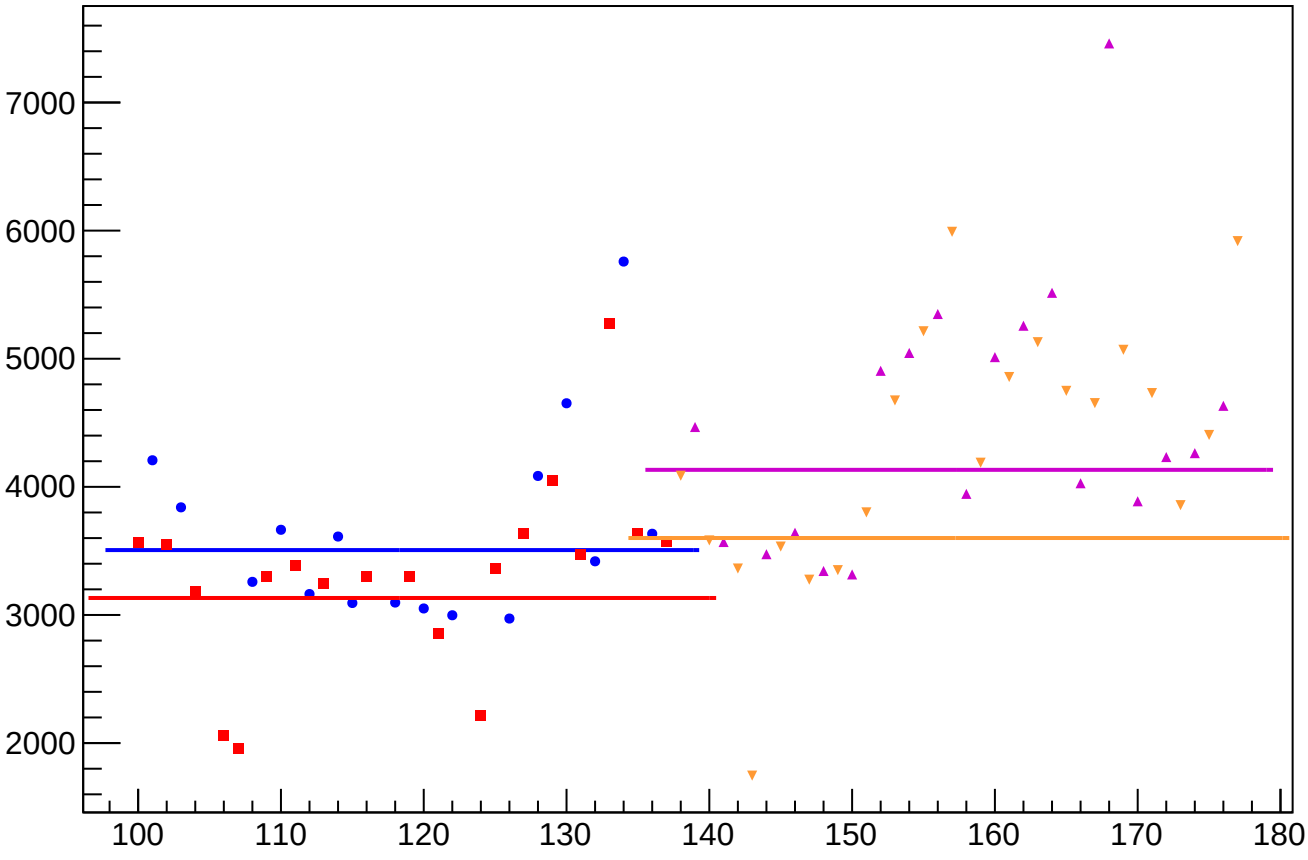
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 374.550+/-1071.131 χ^2/NDF:12.1/18

+ sign 38.958+/-764.945 χ^2/NDF: 40.5/36

All: 57.722+/-550.906 χ^2/NDF: 71.4/74

- sign 77.942+/-794.068 χ^2/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

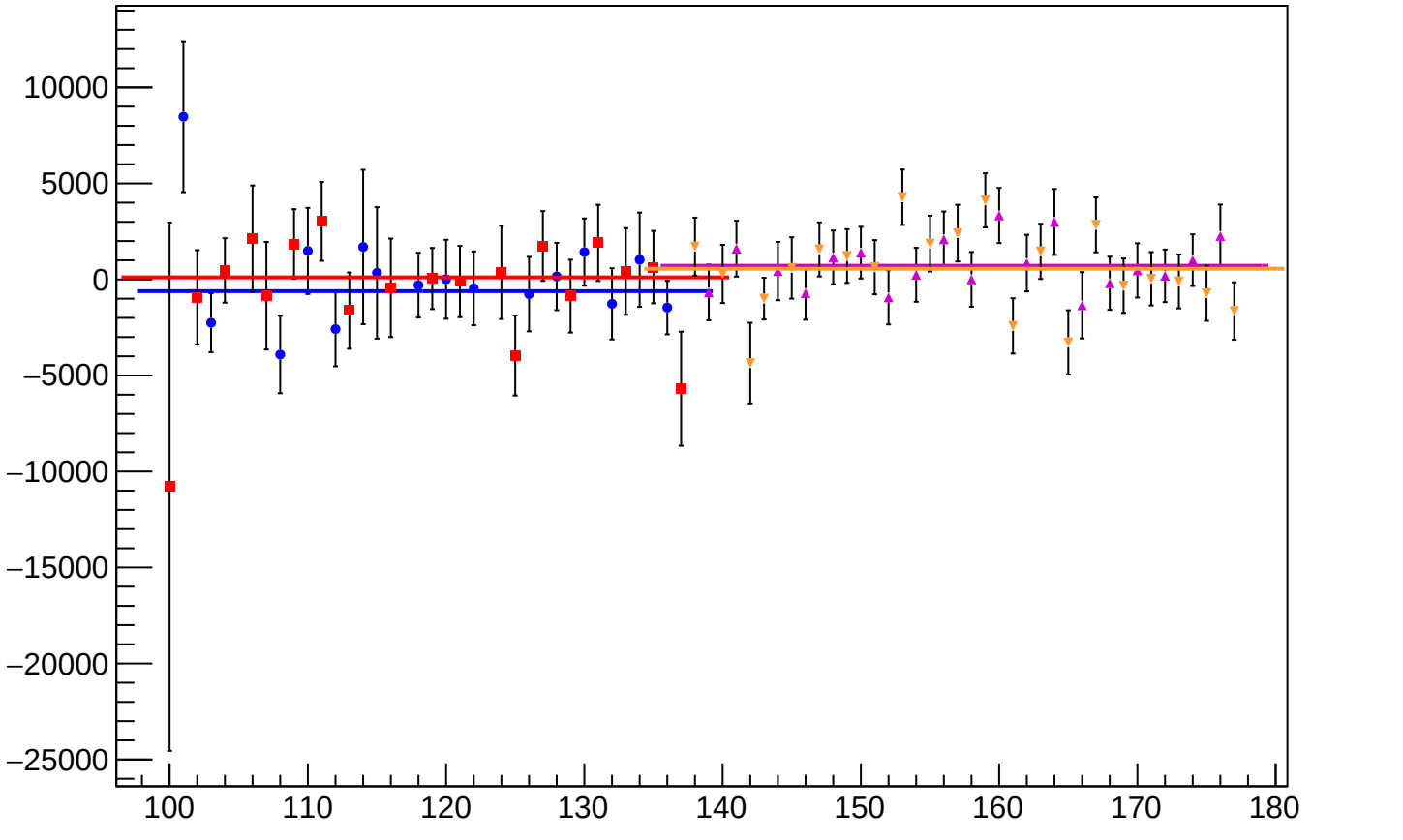
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3569.259+/-0.541 χ^2/NDF: 3717732.5/36

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.036+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

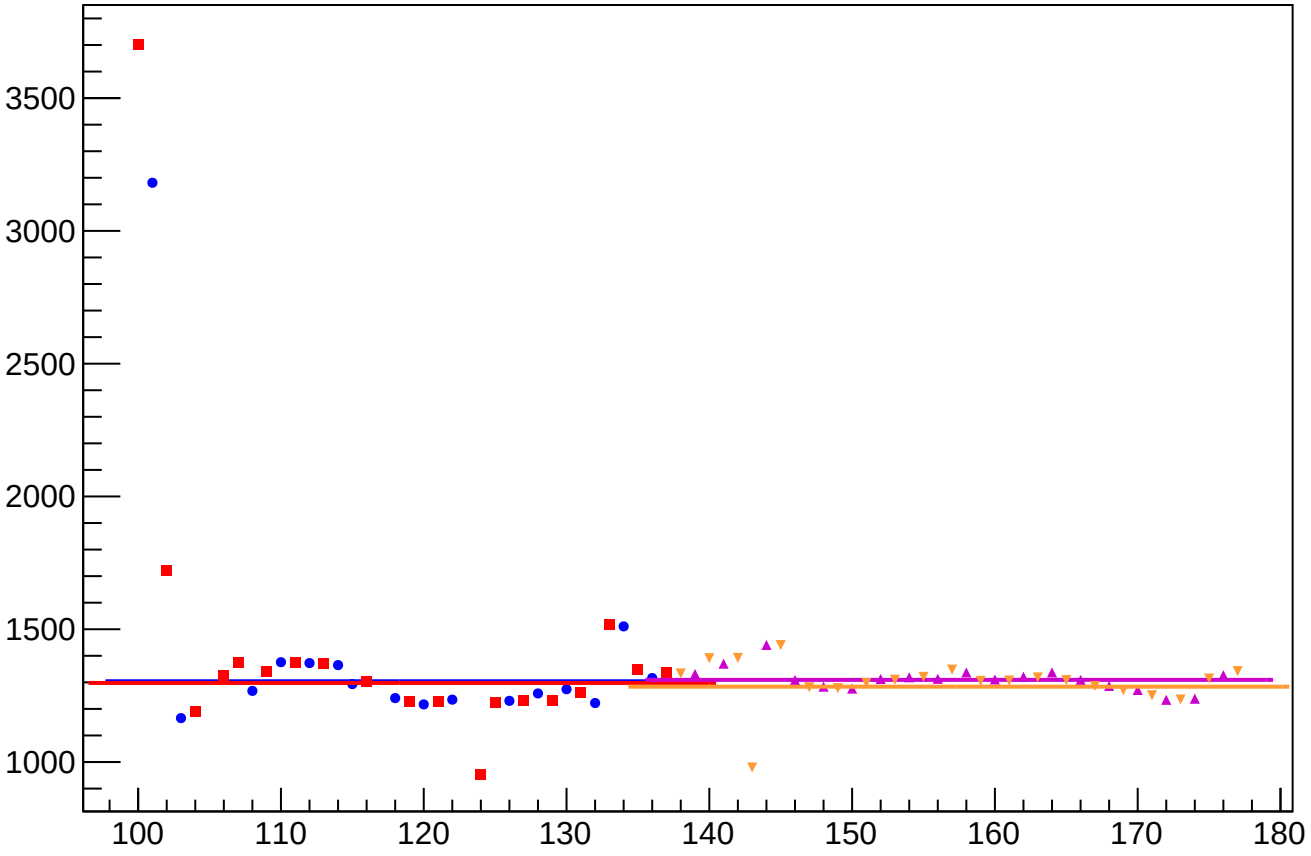
Left In: 714.051+/-332.363 χ^2/NDF:13.5/18

+ sign 221.384+/-265.834 χ^2/NDF: 58.6/36

All: 366.461+/-190.884 χ^2/NDF: 88.6/74

- sign 520.884+/-274.264 χ^2/NDF: 29.4/37

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.699+/-0.223 χ^2/NDF:210710.5/20

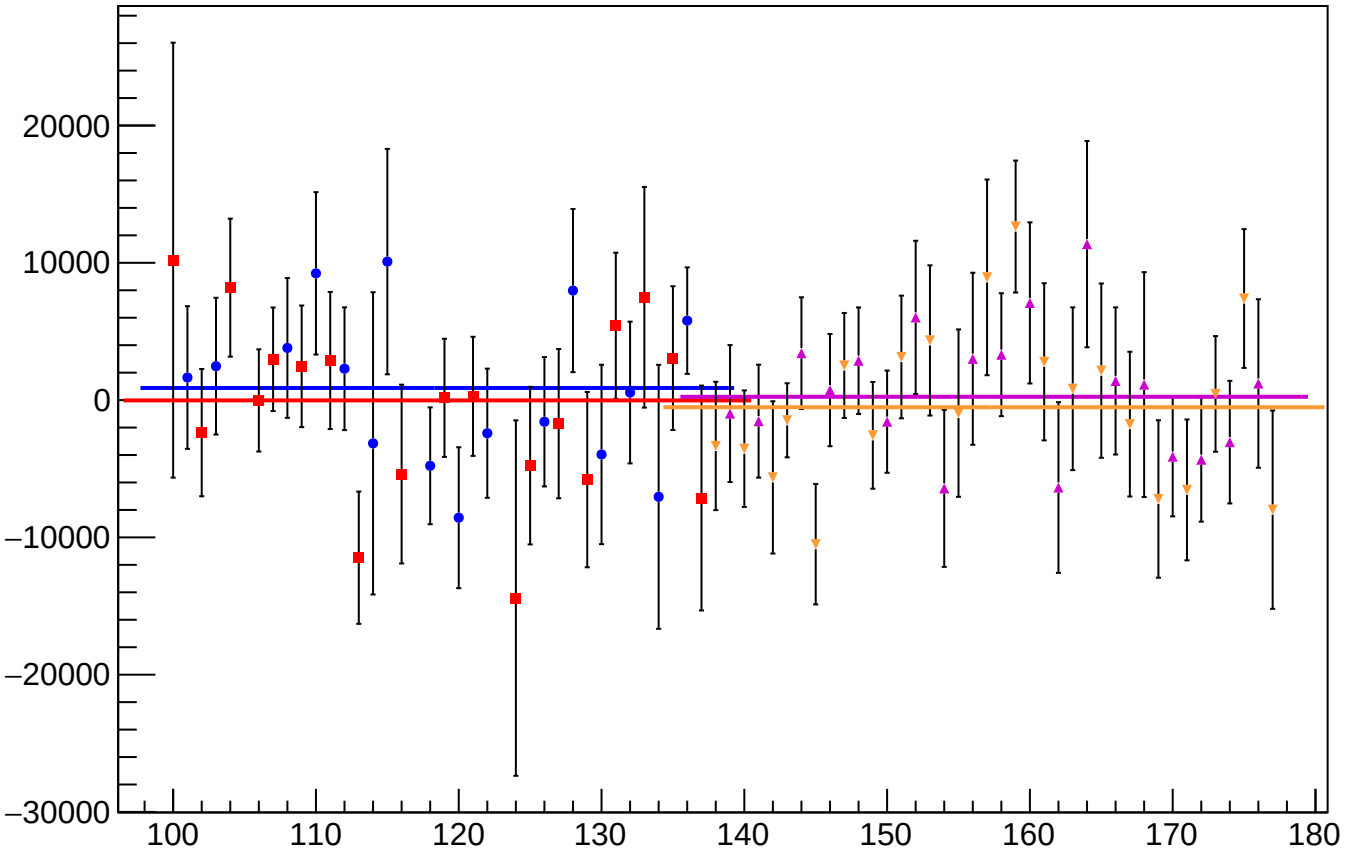
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

+ sign 1289.603+/-0.188 χ^2/NDF: 723722.7/36

All: 1297.382+/-0.135 χ^2/NDF: 977340.1/74

- sign 1305.658+/-0.194 χ^2/NDF: 250082.8/37



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -517.647+/-1034.802 χ^2/NDF:25.6/20

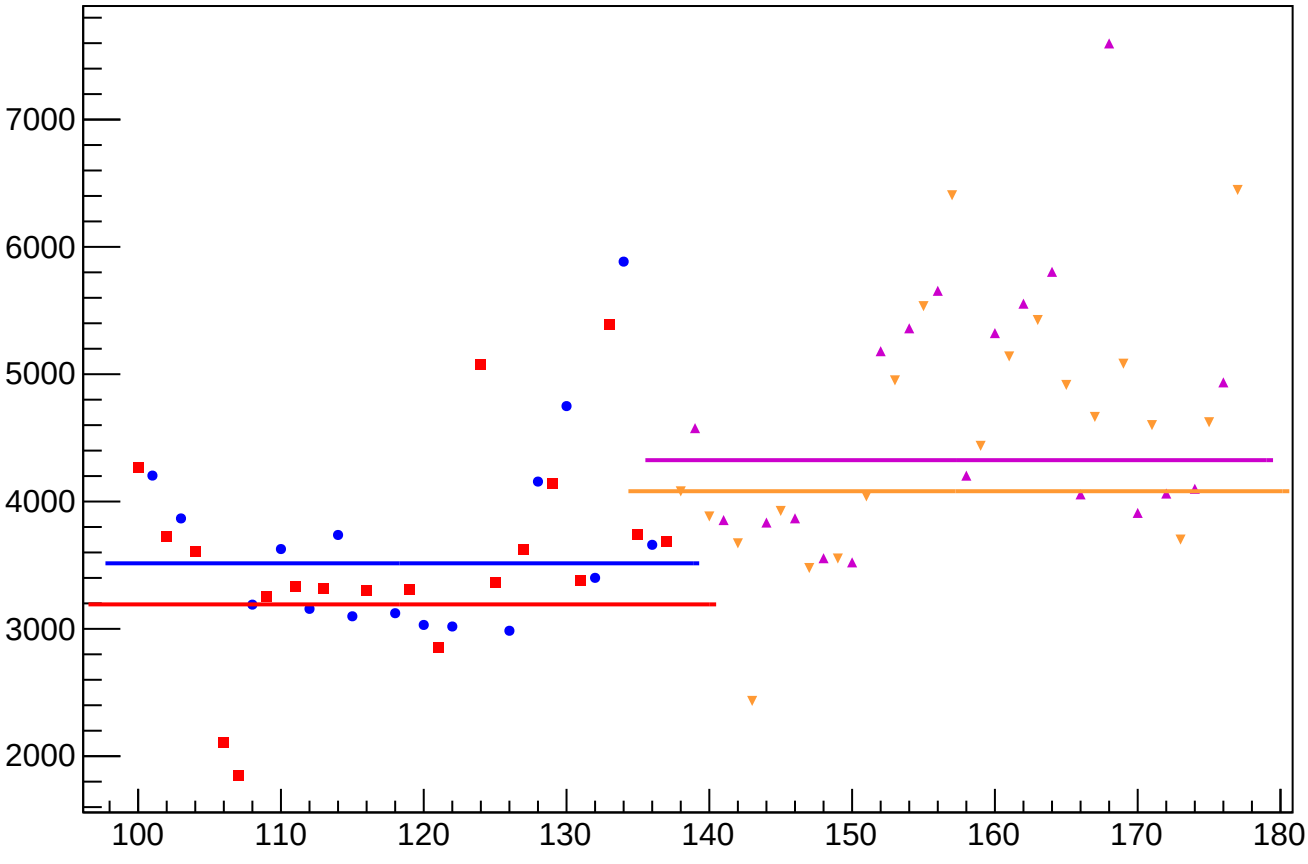
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 239.932+/-1120.053 χ^2/NDF:12.0/18

+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 65.226+/-578.030 χ^2/NDF: 69.3/74

- sign 118.597+/-818.808 χ^2/NDF: 28.9/37



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4081.017+/-0.732 χ^2/NDF:1803960.9/20

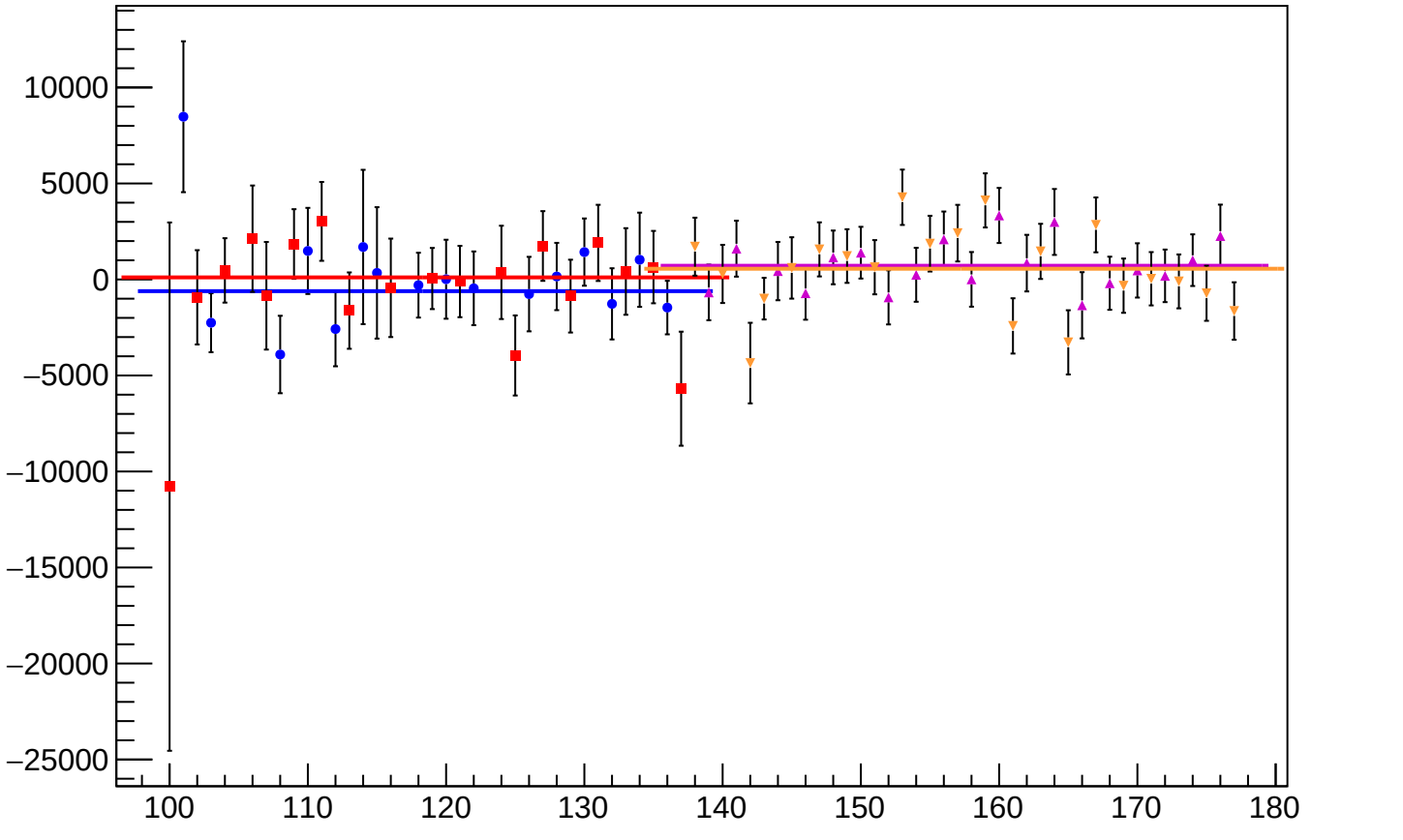
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4324.914+/-0.792 χ^2/NDF:1048985.0/18

+ sign 3866.963+/-0.577 χ^2/NDF: 2405432.3/36

All: 3832.372+/-0.409 χ^2/NDF: 5186437.6/74

- sign 3797.551+/-0.579 χ^2/NDF: 2773795.3/37



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.039+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

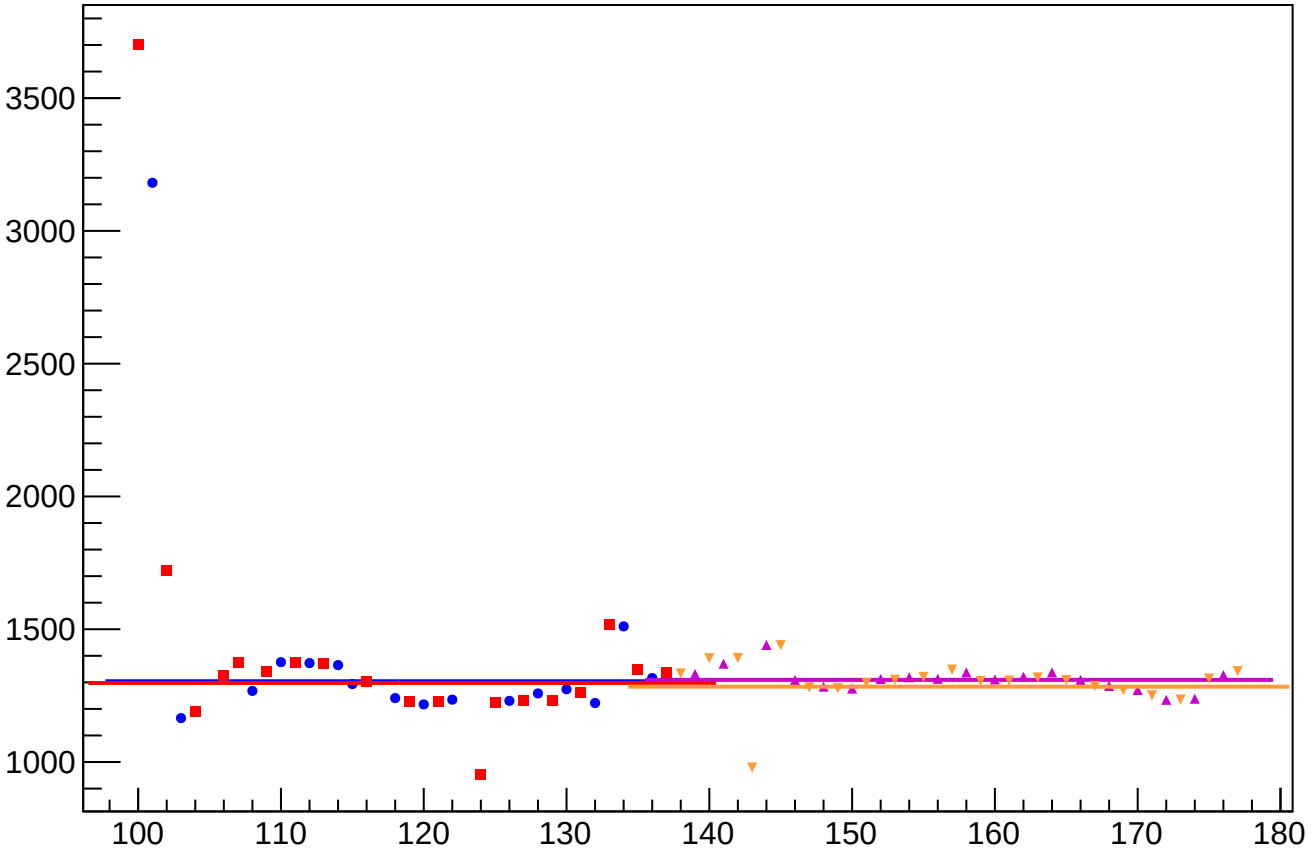
Left In: 714.052+/-332.363 χ^2/NDF:13.5/18

\+ sign 221.385+/-265.834 χ^2/NDF: 58.6/36

All: 366.462+/-190.884 χ^2/NDF: 88.6/74

\- sign 520.886+/-274.264 χ^2/NDF: 29.4/37

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: 1283.700+/-0.223 χ^2/NDF:210712.2/20

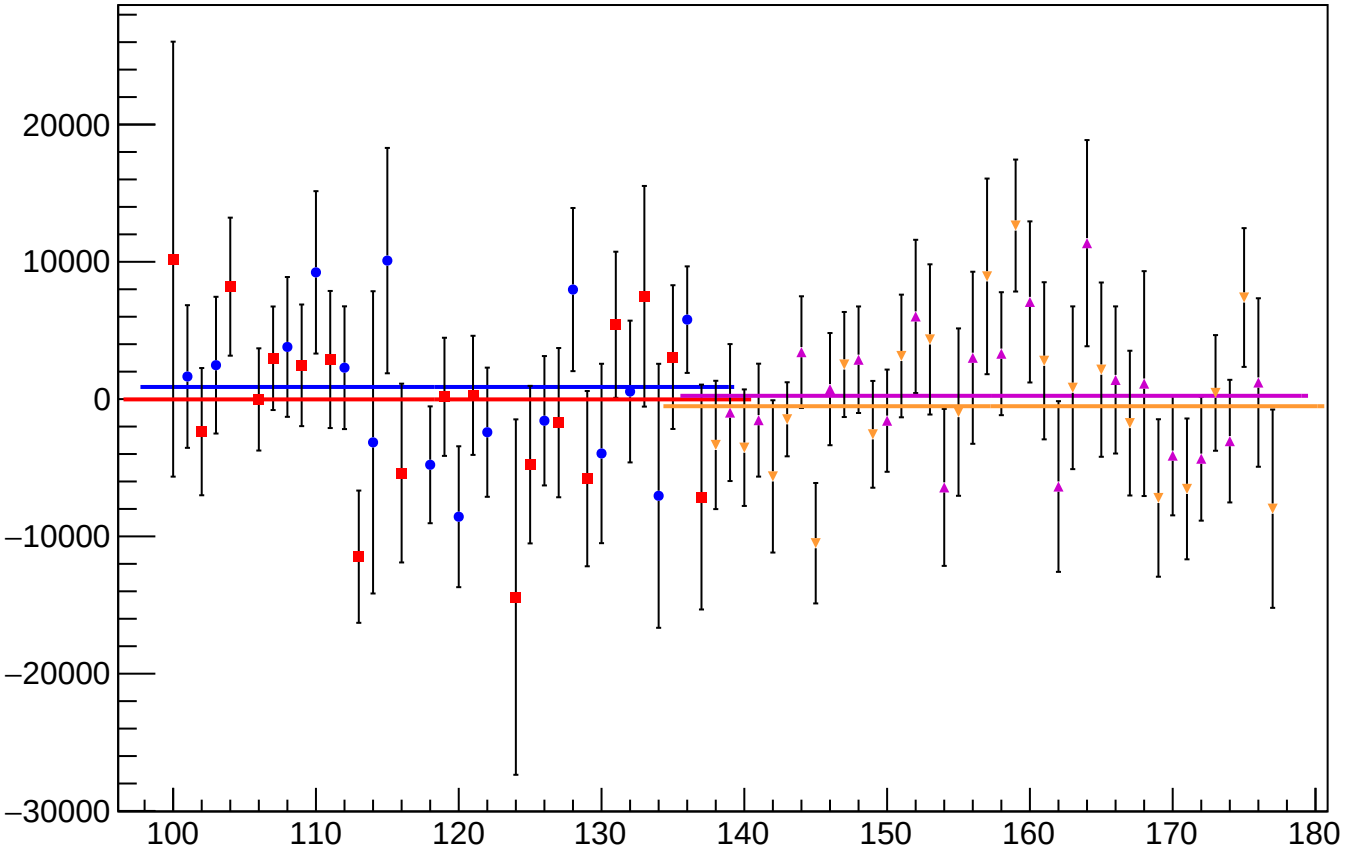
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

+ sign 1289.603+/-0.188 χ^2/NDF: 723724.3/36

All: 1297.382+/-0.135 χ^2/NDF: 977343.1/74

- sign 1305.658+/-0.194 χ^2/NDF: 250084.2/37



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -517.645+/-1034.804 χ^2/NDF:25.6/20

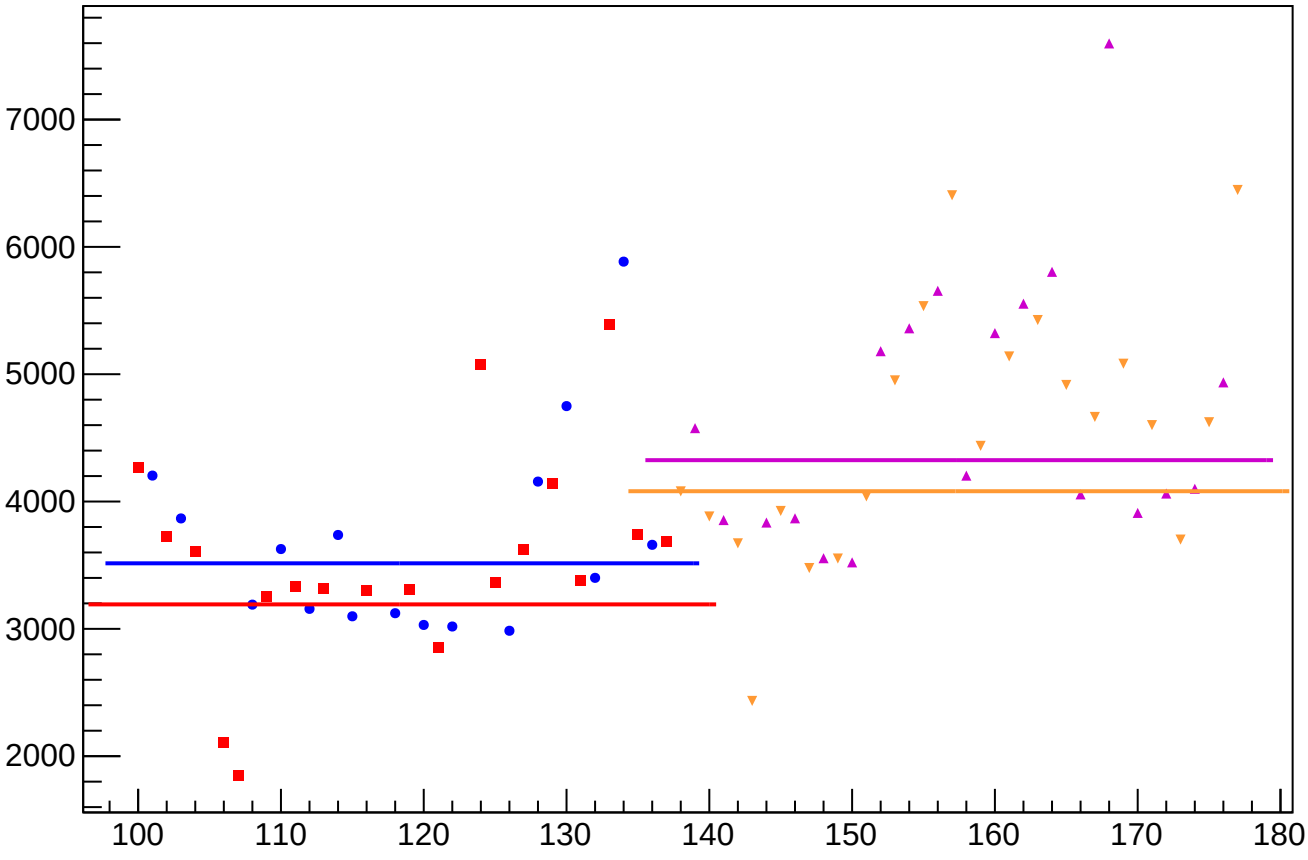
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 239.931+/-1120.055 χ^2/NDF:12.0/18

\+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 65.226+/-578.029 χ^2/NDF: 69.3/74

\- sign 118.598+/-818.807 χ^2/NDF: 28.9/37



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4081.023+/-0.732 χ^2/NDF:1803962.4/20

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

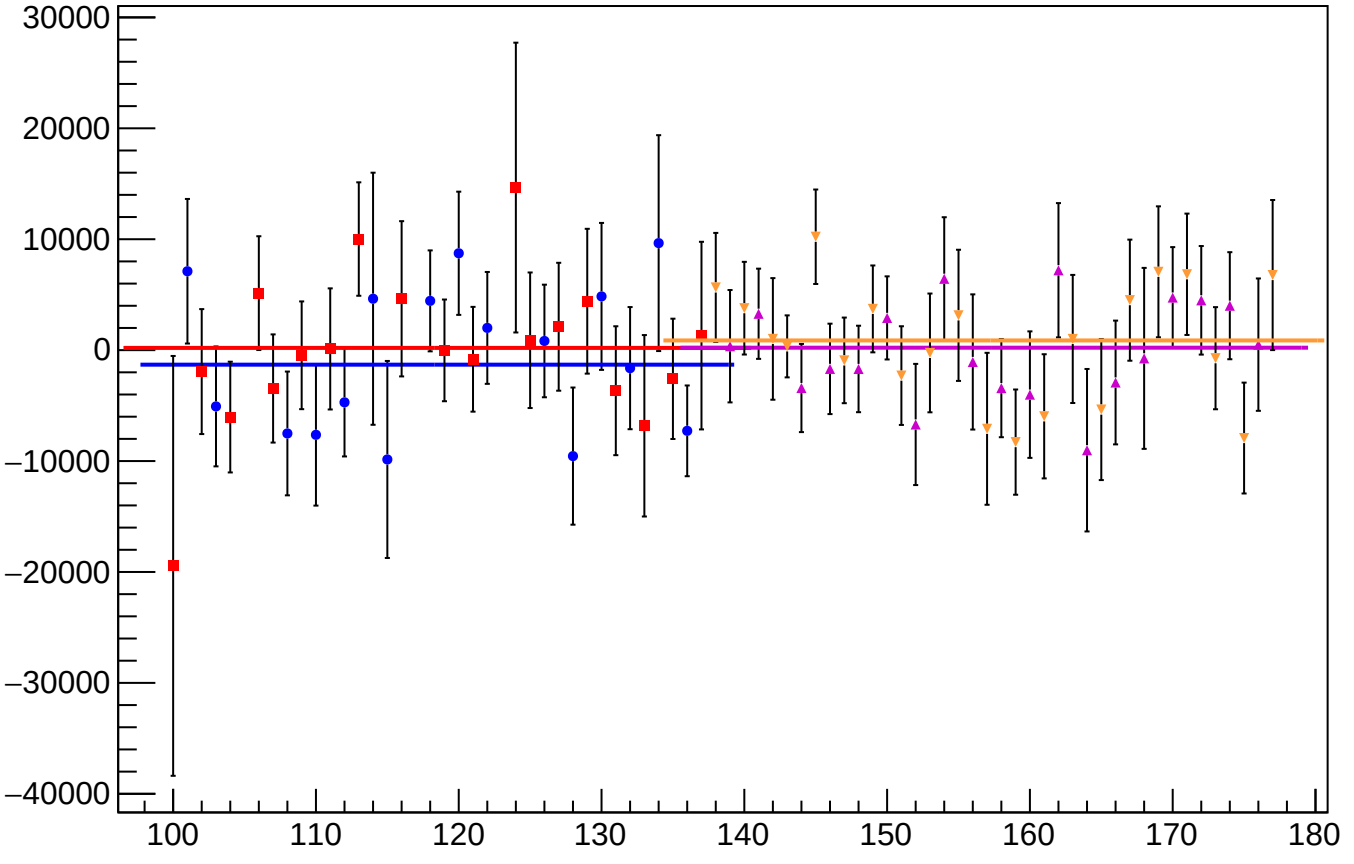
Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

+ sign 3866.963+/-0.577 χ^2/NDF: 2405450.9/36

All: 3832.370+/-0.409 χ^2/NDF: 5186486.0/74

- sign 3797.549+/-0.579 χ^2/NDF: 2773824.8/37

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 874.387+/-1043.434 χ^2/NDF:22.0/20

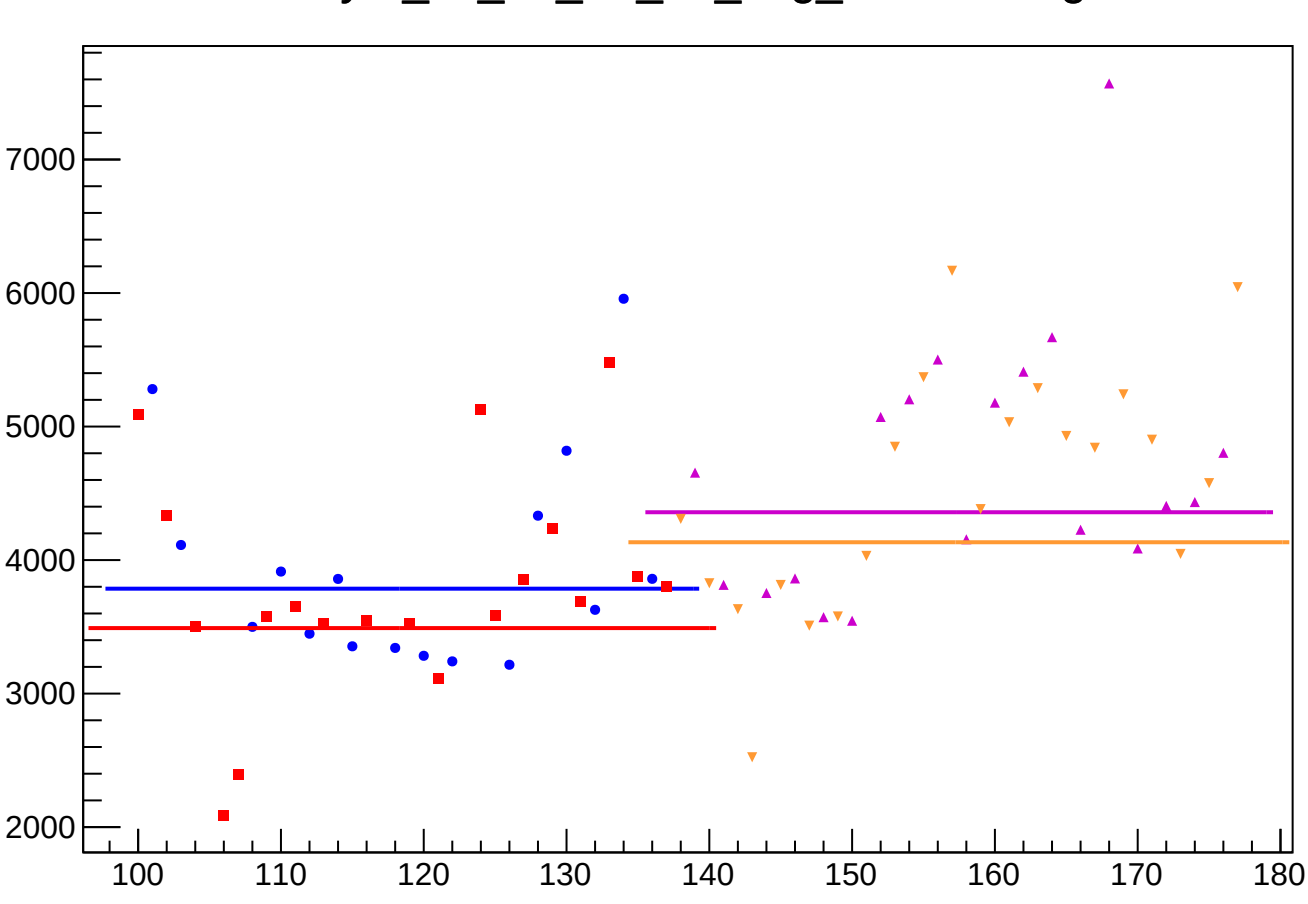
Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 220.440+/-1125.949 χ^2/NDF:12.1/18

\+ sign 116.795+/-843.231 χ^2/NDF: 41.1/36

All: 163.706+/-602.433 χ^2/NDF: 64.9/74

\- sign 212.614+/-860.983 χ^2/NDF: 23.8/37



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4133.516+/-0.738 χ^2/NDF:1585866.2/20

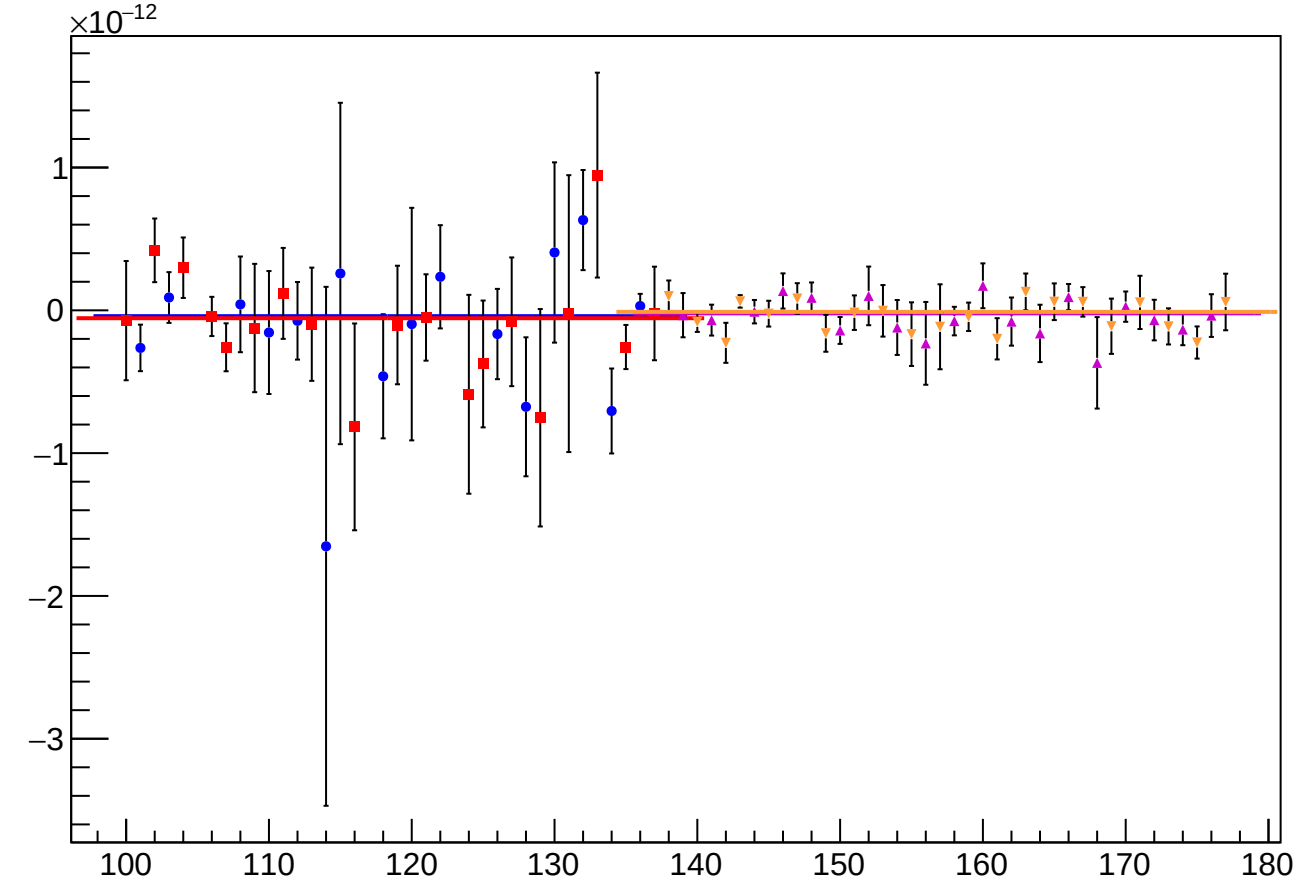
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

+ sign 4012.874+/-0.596 χ^2/NDF: 2045923.8/36

All: 4002.680+/-0.425 χ^2/NDF: 4079429.5/74

- sign 3992.174+/-0.605 χ^2/NDF: 2032912.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/20

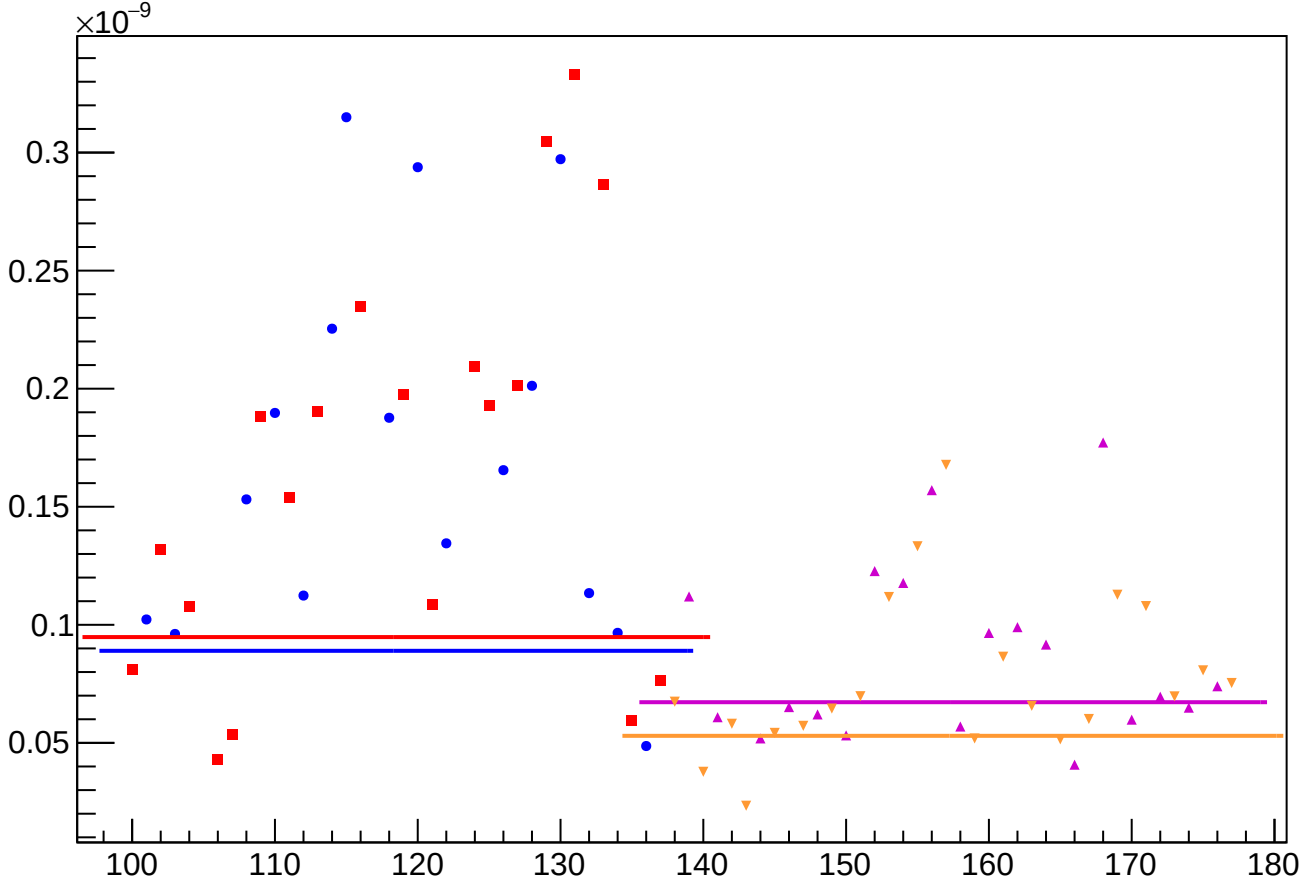
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/36

All: -0.000+/-0.000 χ^2/NDF: 63.7/74

- sign -0.000+/-0.000 χ^2/NDF: 28.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2547856.2/20

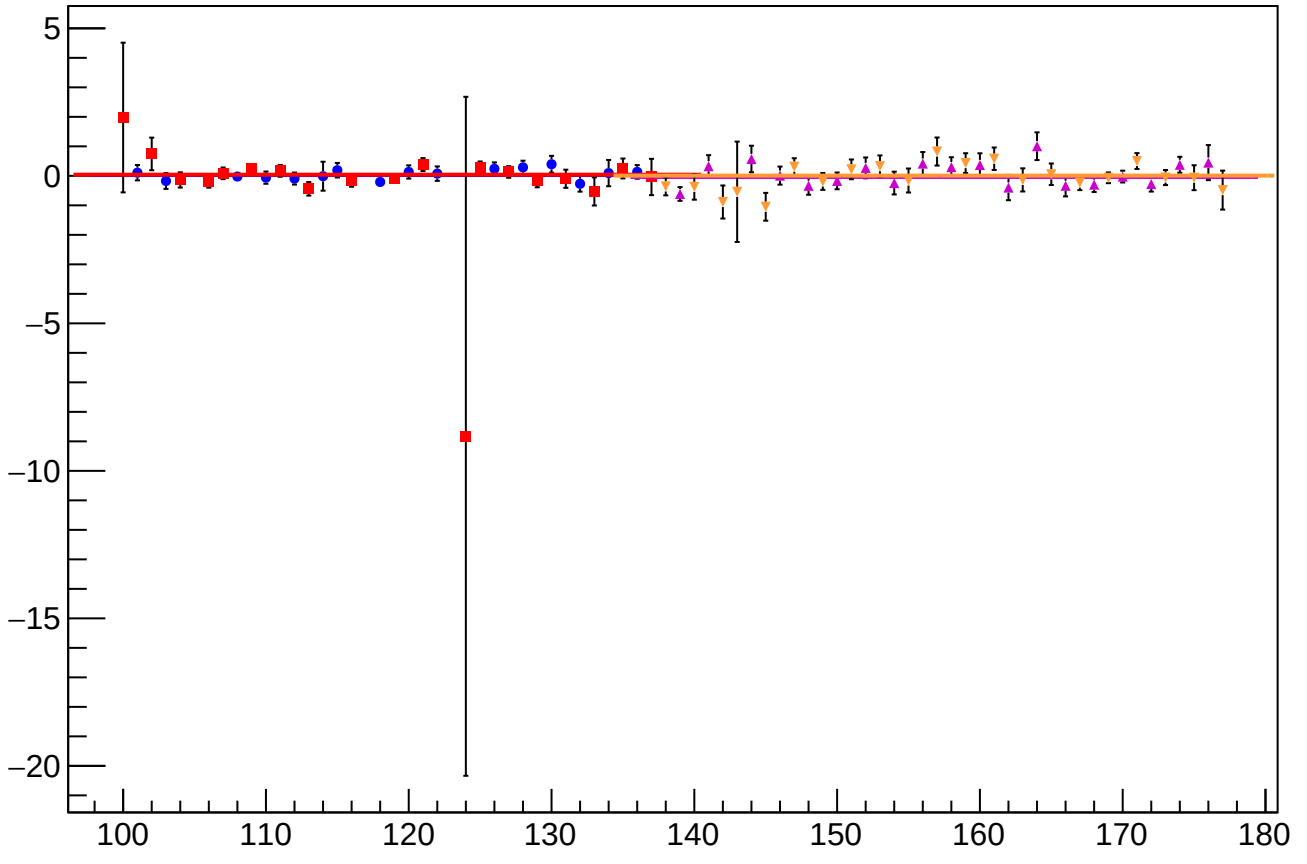
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4652643.2/36

All: 0.000+/-0.000 χ^2/NDF: 8415214.6/74

- sign 0.000+/-0.000 χ^2/NDF: 3423726.1/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

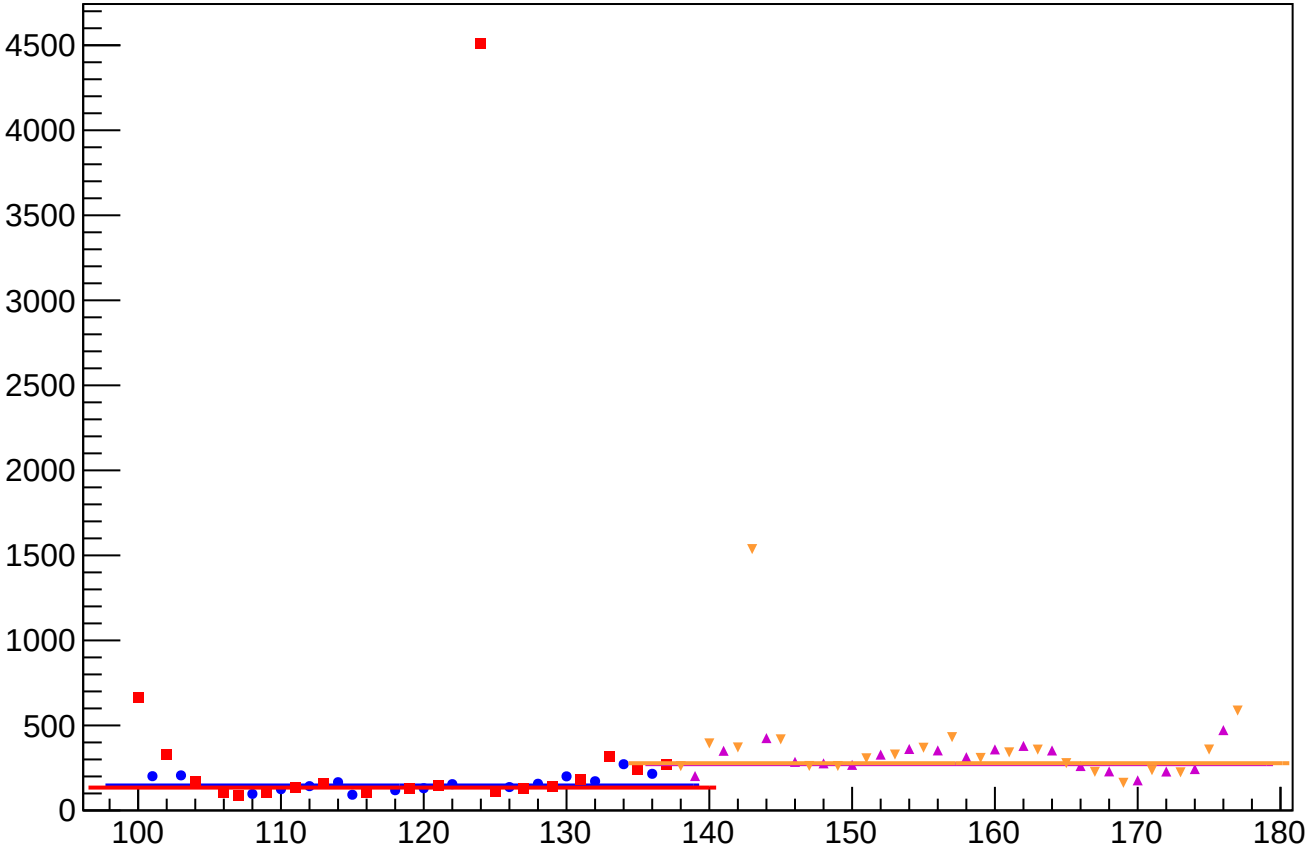
Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

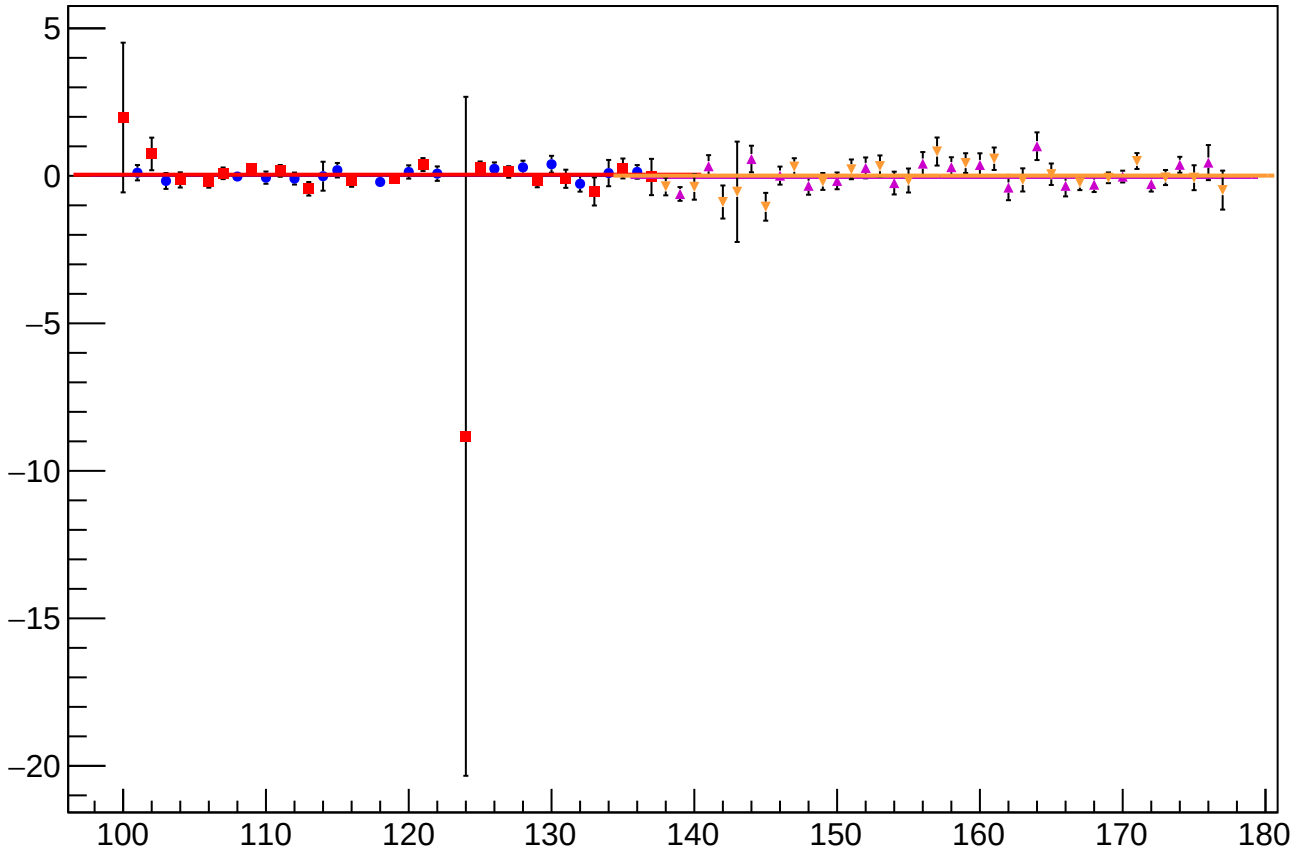
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

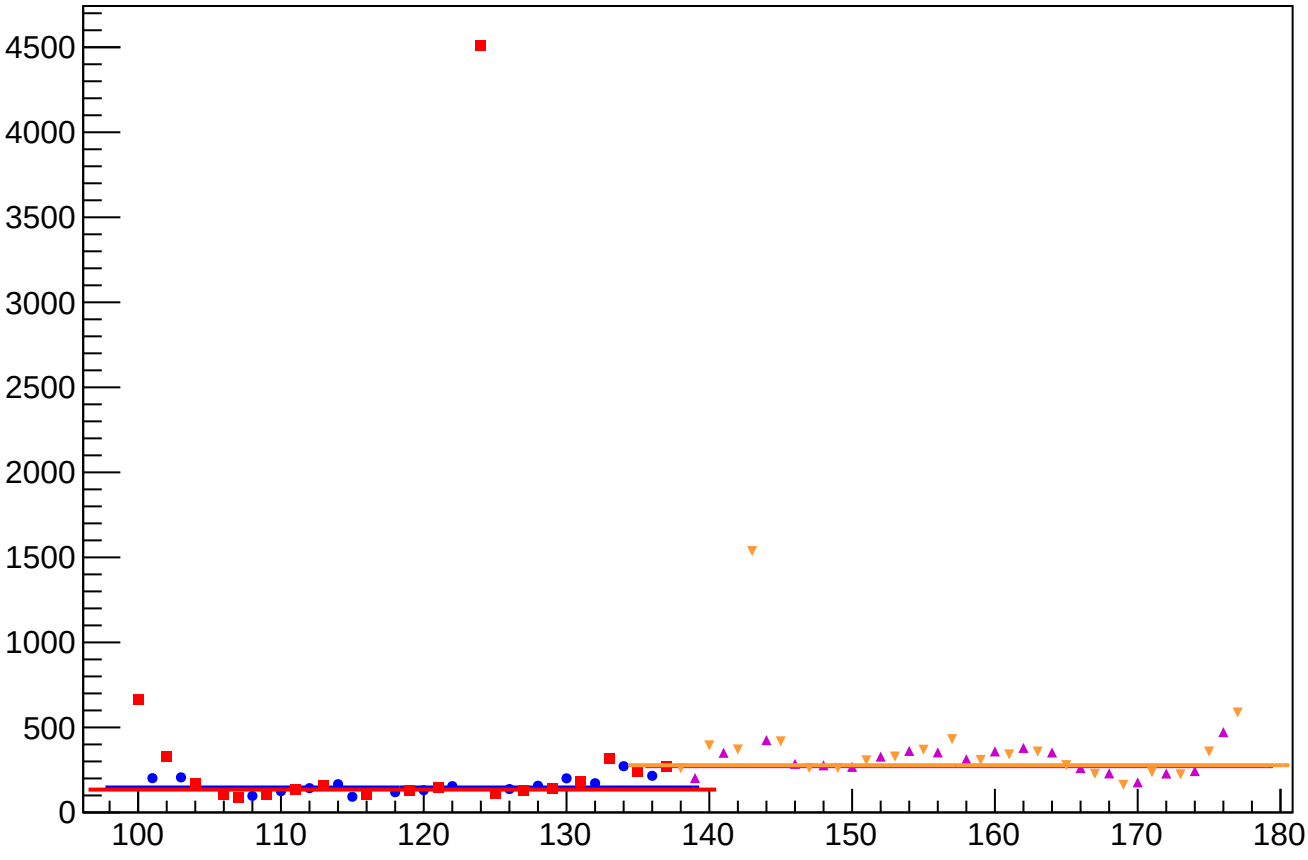
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

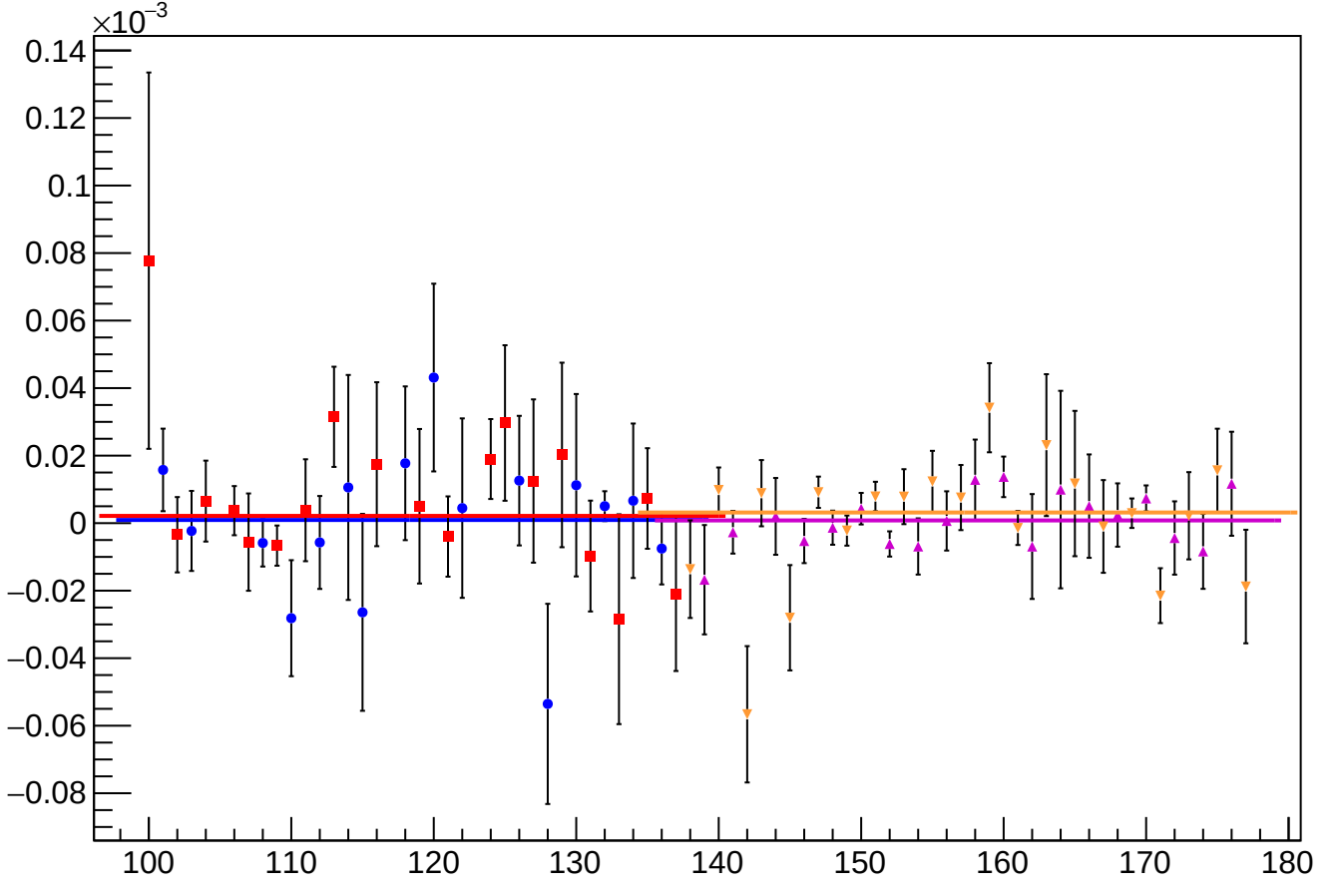
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.7/20

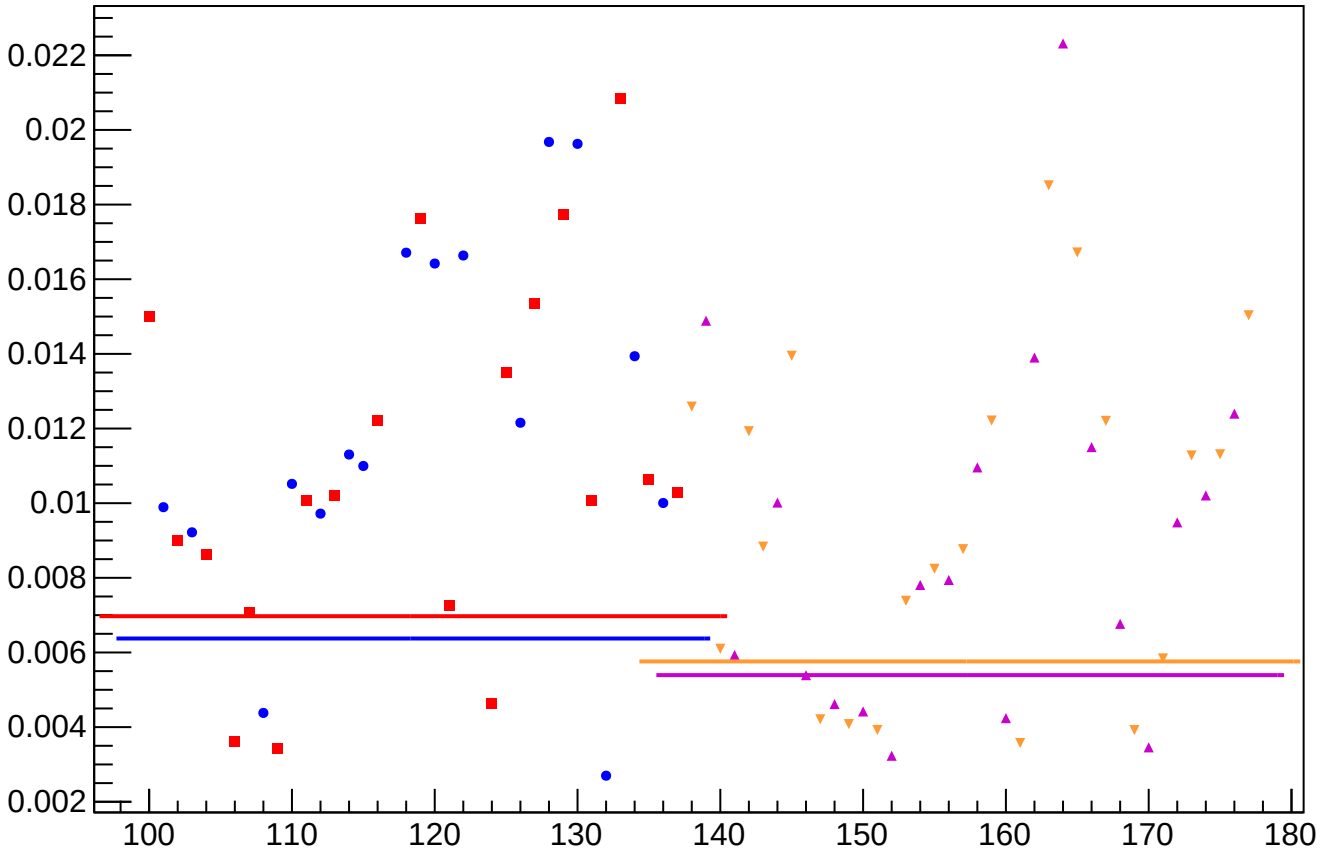
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/36

All: 0.000+/-0.000 χ^2/NDF: 90.6/74

- sign 0.000+/-0.000 χ^2/NDF: 34.0/37



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6952917.2/20

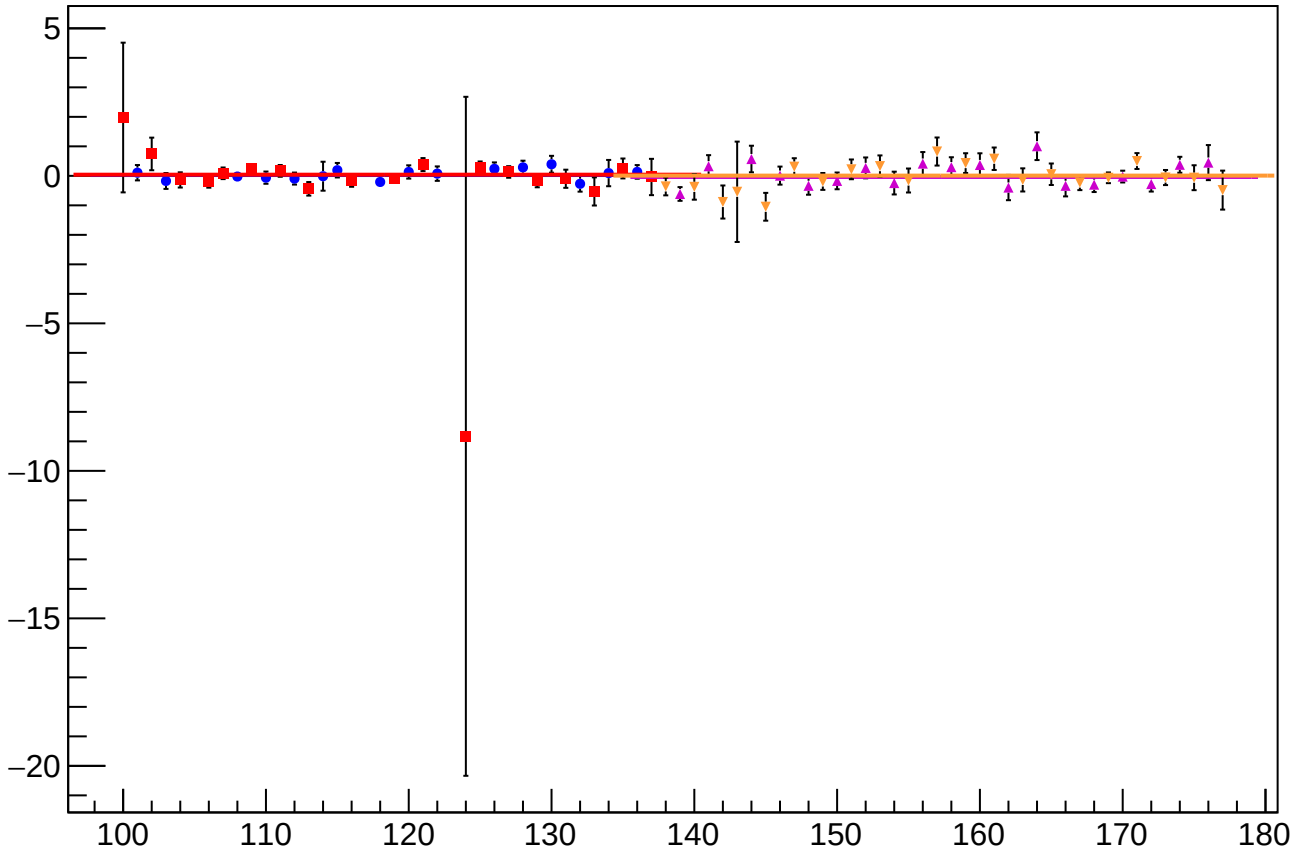
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5892788.8/18

+ sign 0.006+/-0.000 χ^2/NDF: 11659665.8/36

All: 0.006+/-0.000 χ^2/NDF: 21403034.2/74

- sign 0.006+/-0.000 χ^2/NDF: 9729965.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

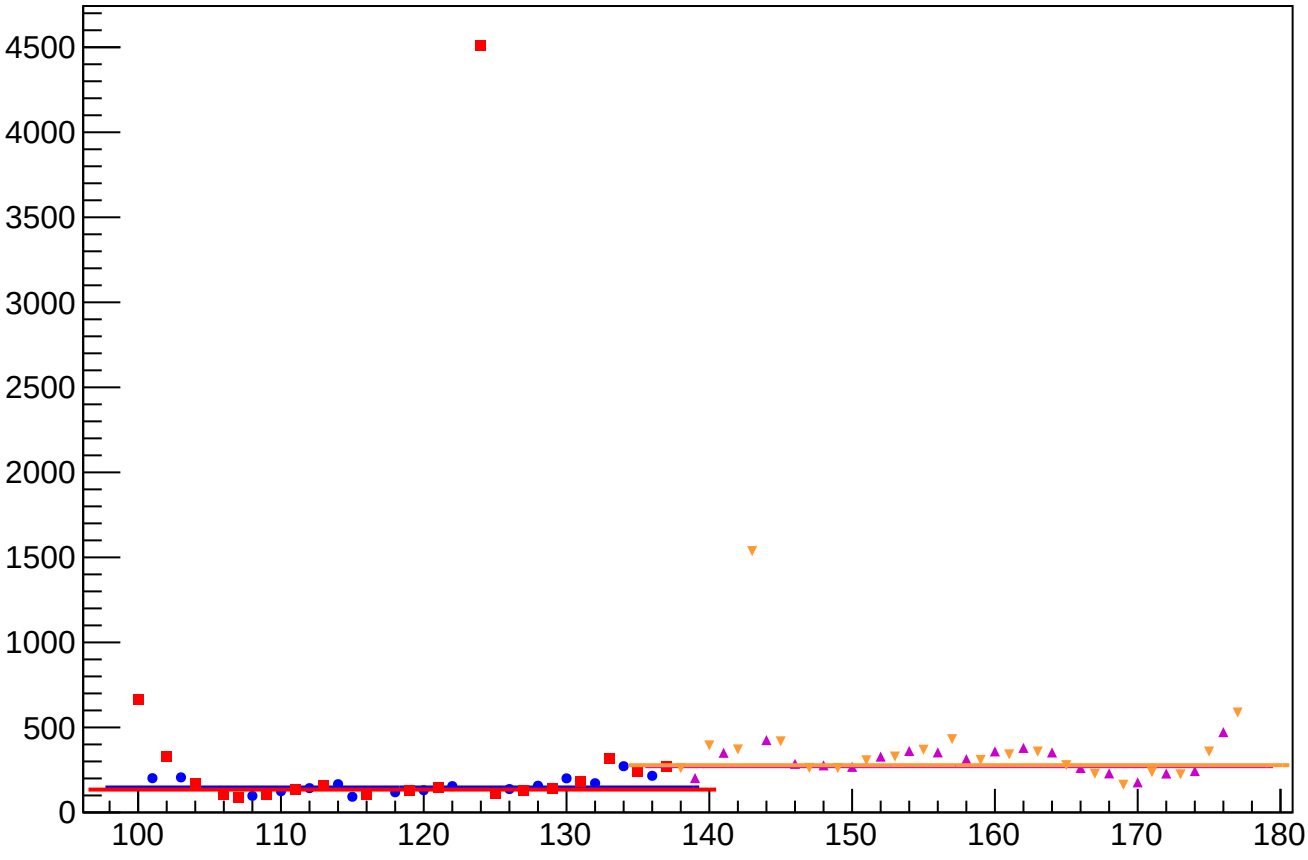
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536897.0/20

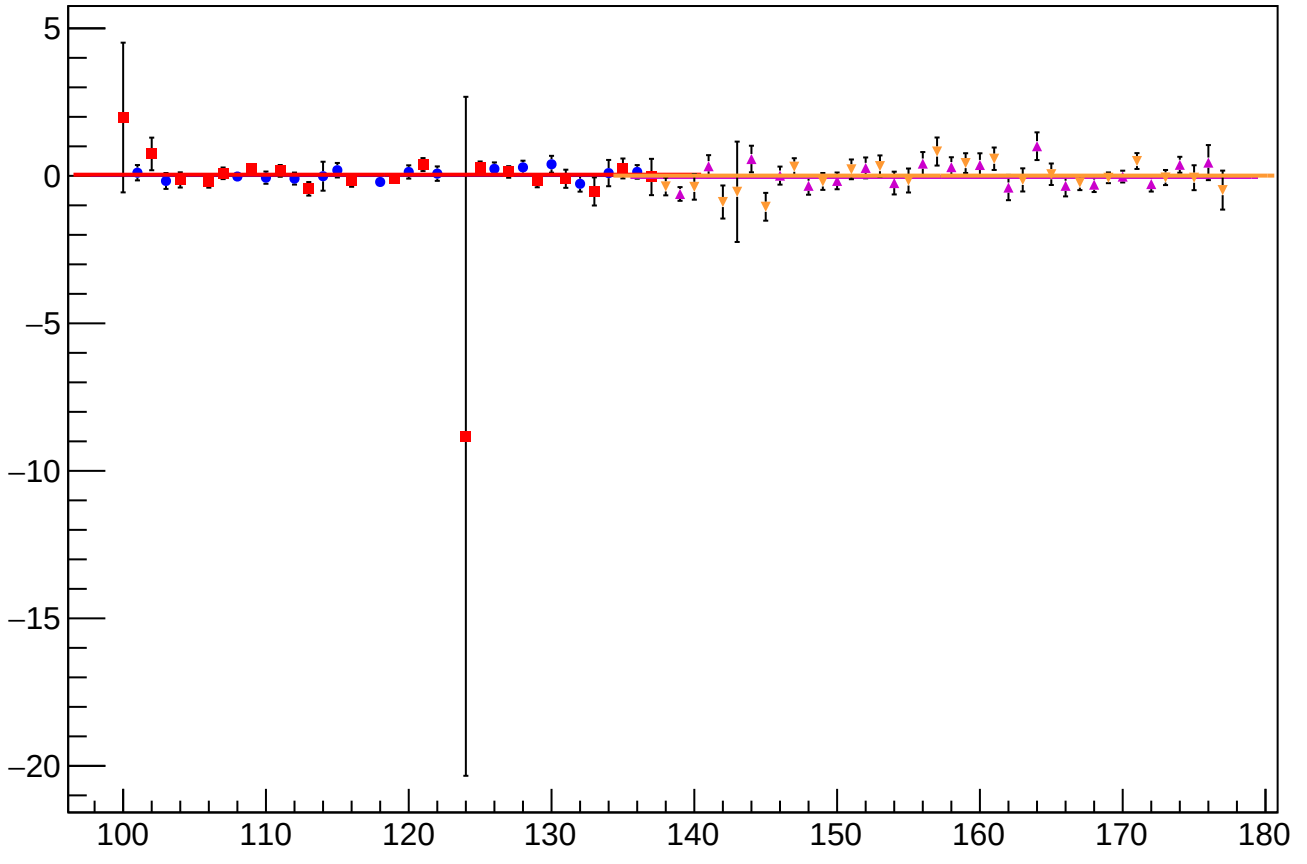
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

+ sign 197.253+/-0.032 χ^2/NDF: 8504402.2/36

All: 190.799+/-0.022 χ^2/NDF: 16683613.6/74

- sign 184.796+/-0.031 χ^2/NDF: 8100703.5/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

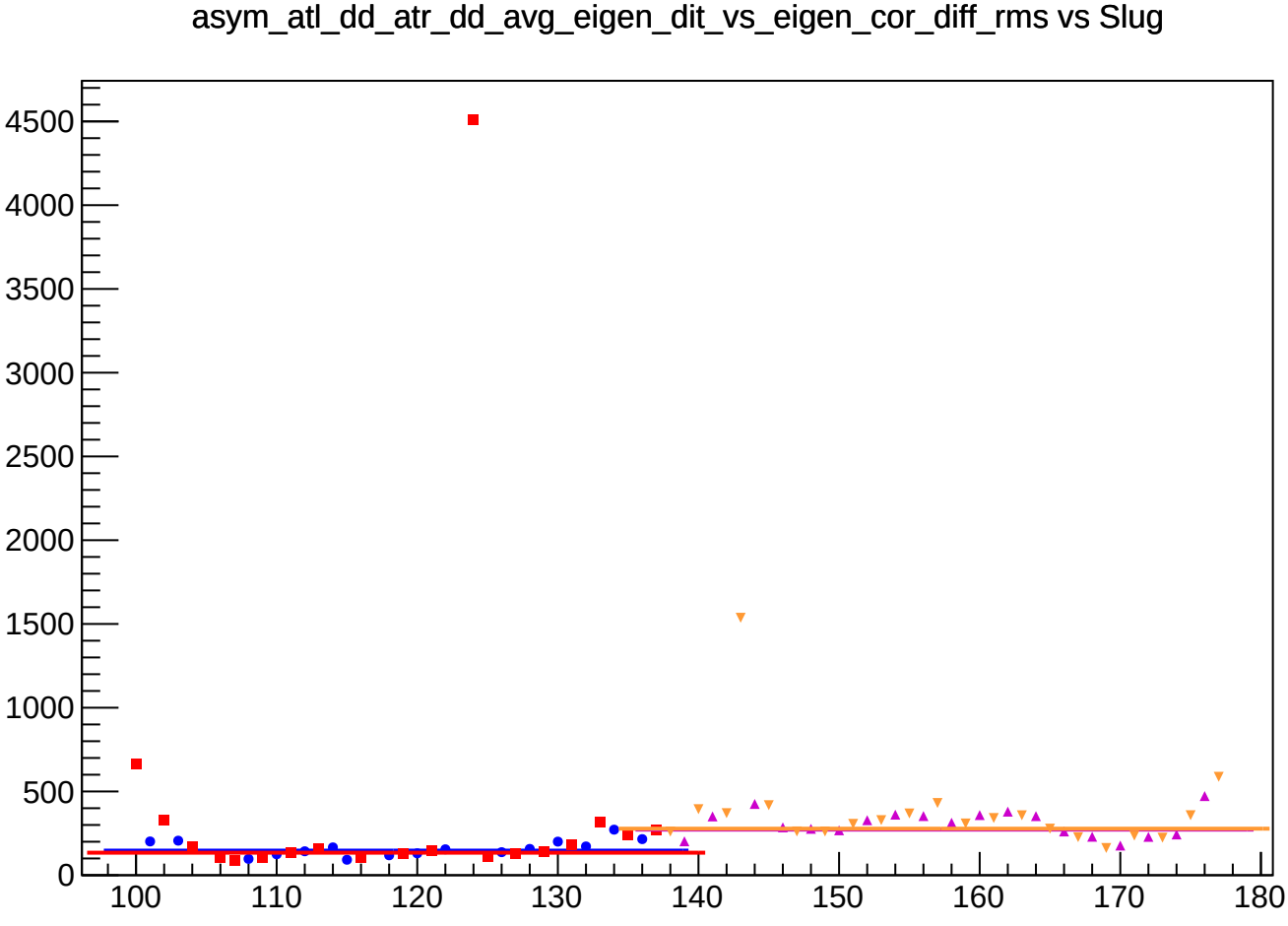
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

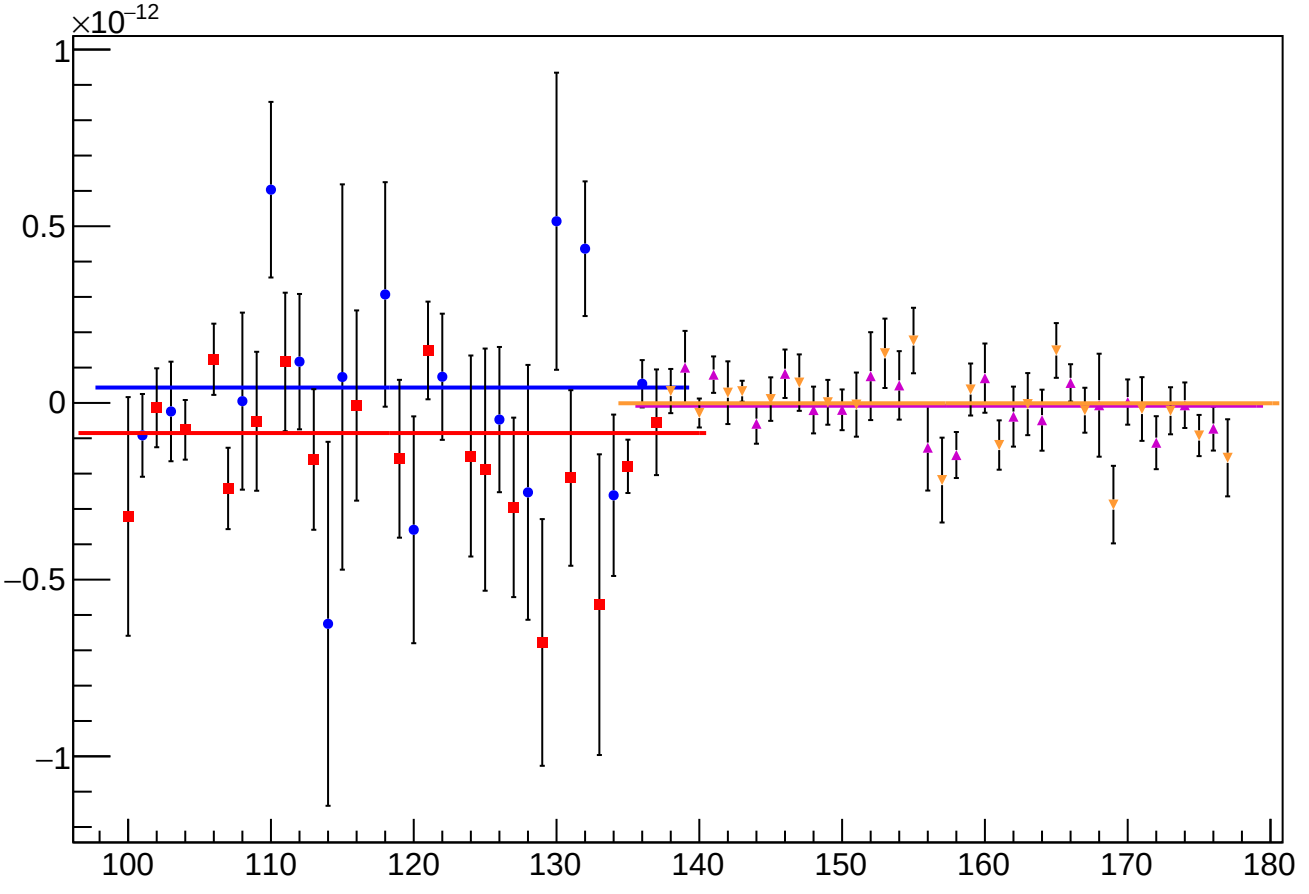
Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37


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: 277.862+/-0.052 χ²/NDF:3536897.0/20
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 272.247+/-0.051 χ²/NDF:1877615.8/18
+ sign 197.253+/-0.032 χ²/NDF: 8504402.2/36
All: 190.799+/-0.022 χ²/NDF: 16683613.6/74
- sign 184.796+/-0.031 χ²/NDF: 8100703.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/20

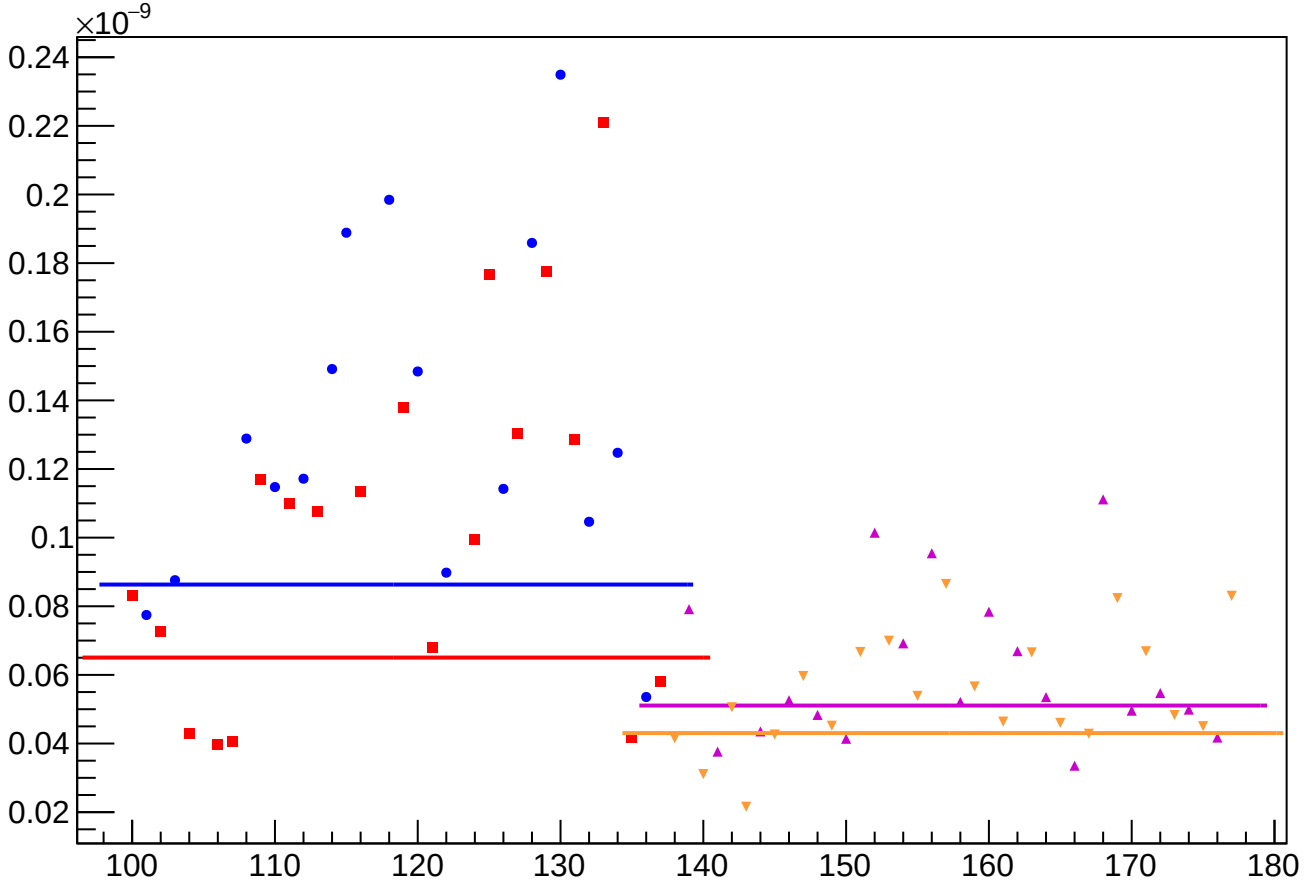
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 50.1/36

All: -0.000+/-0.000 χ^2/NDF: 92.6/74

- sign -0.000+/-0.000 χ^2/NDF: 40.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2798956.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

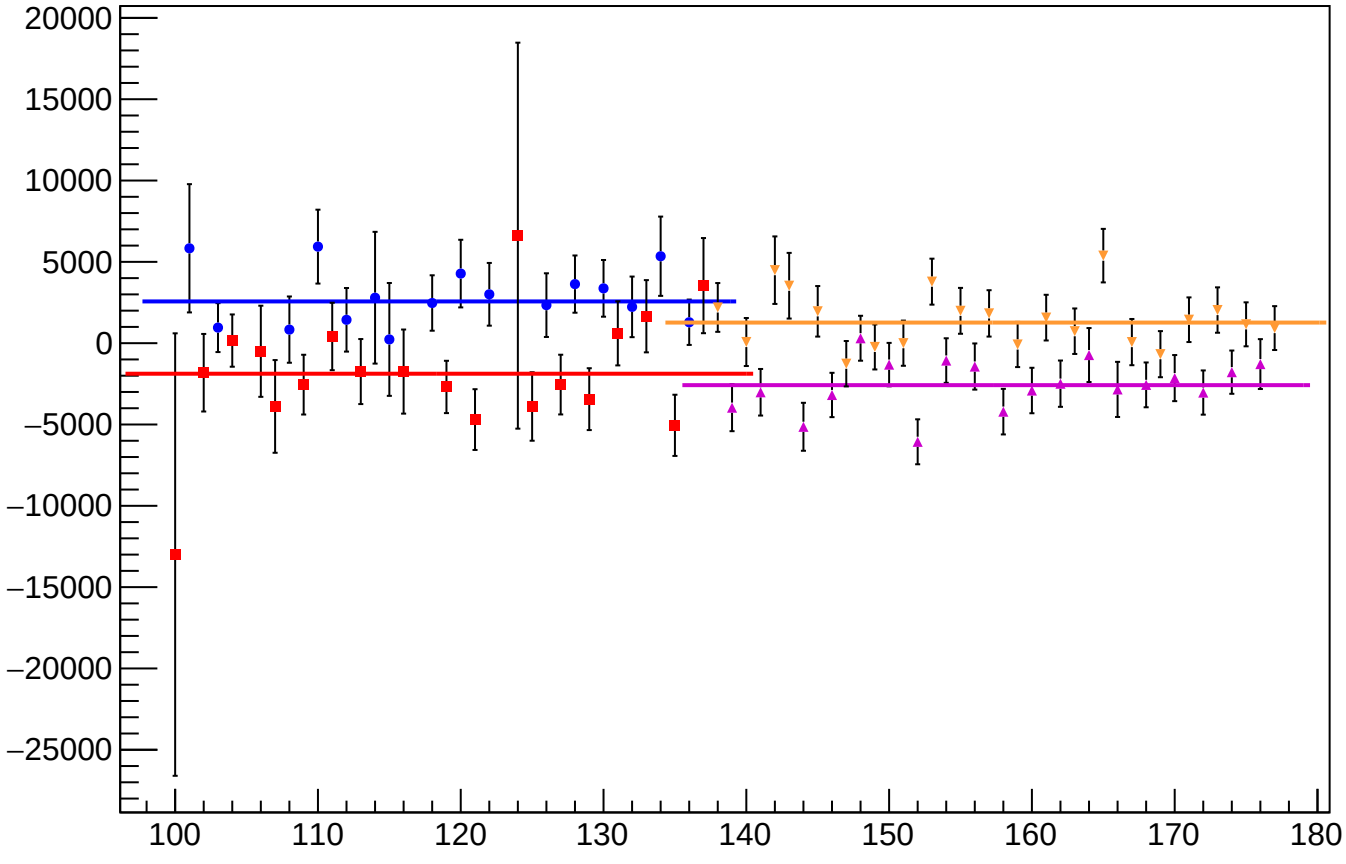
Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 6211291.3/36

All: 0.000+/-0.000 χ^2/NDF: 10723004.8/74

- sign 0.000+/-0.000 χ^2/NDF: 4312802.5/37

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1267.308+/-318.095 χ^2/NDF:24.2/20

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

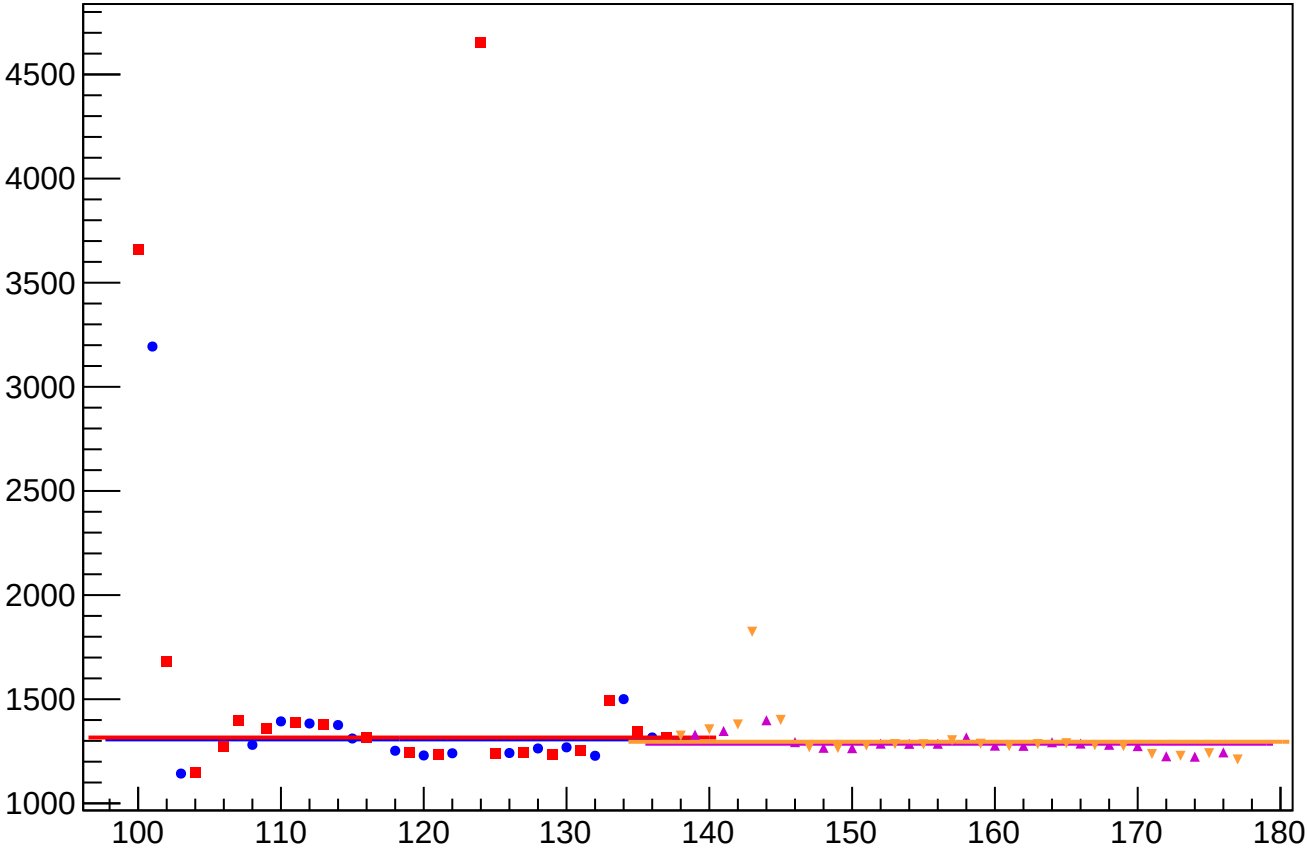
Left In: -2580.368+/-326.440 χ^2/NDF:21.7/18

+ sign 1646.899+/-267.661 χ^2/NDF: 38.1/36

All: -324.488+/-190.942 χ^2/NDF: 191.1/74

- sign -2367.328+/-272.469 χ^2/NDF: 42.6/37

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1295.682+/-0.225 χ^2/NDF:176718.3/20

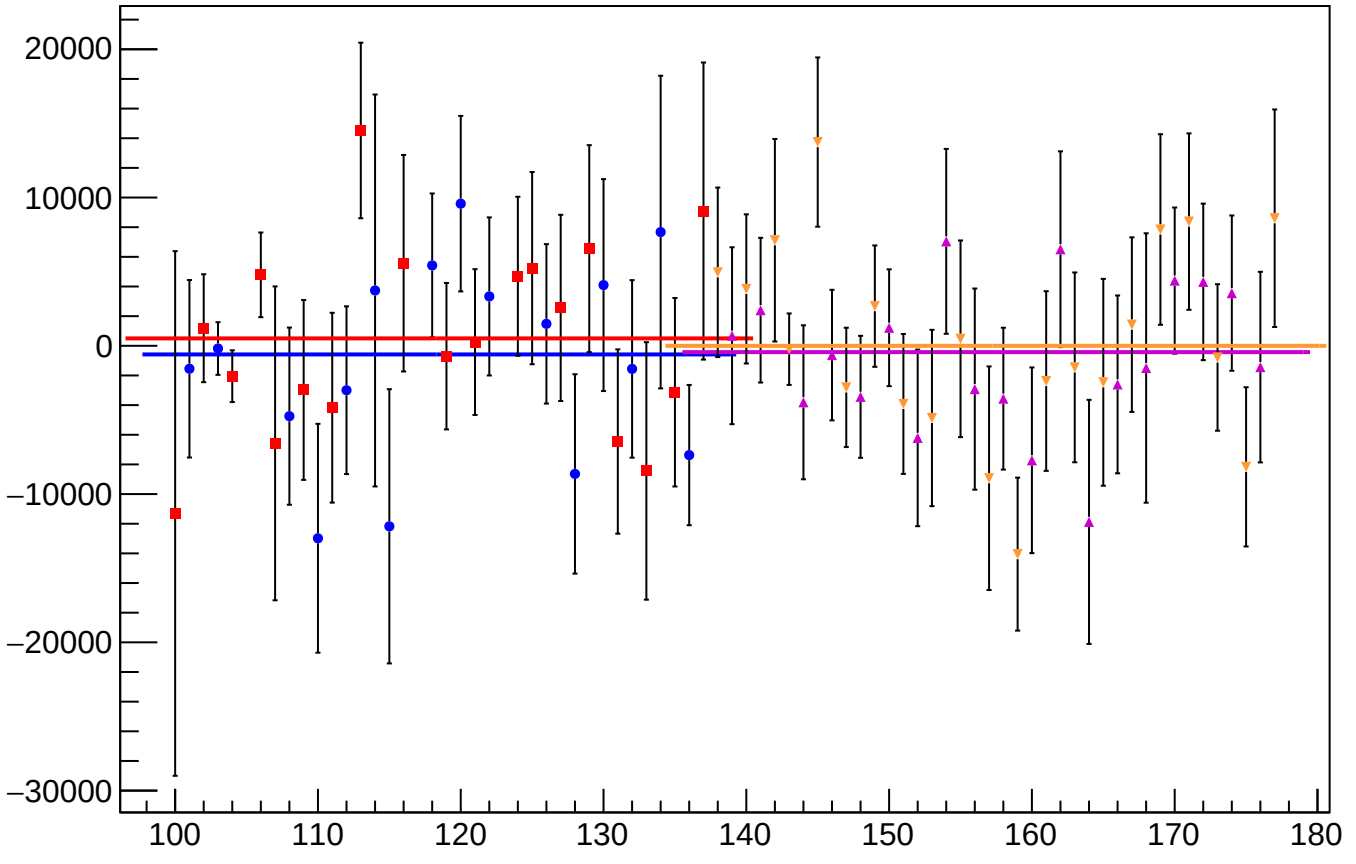
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

+ sign 1299.006+/-0.189 χ^2/NDF: 693715.4/36

All: 1297.185+/-0.135 χ^2/NDF: 1054623.1/74

- sign 1295.301+/-0.193 χ^2/NDF: 360719.2/37



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -1.516+/-1107.969 χ^2/NDF:26.9/20

Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

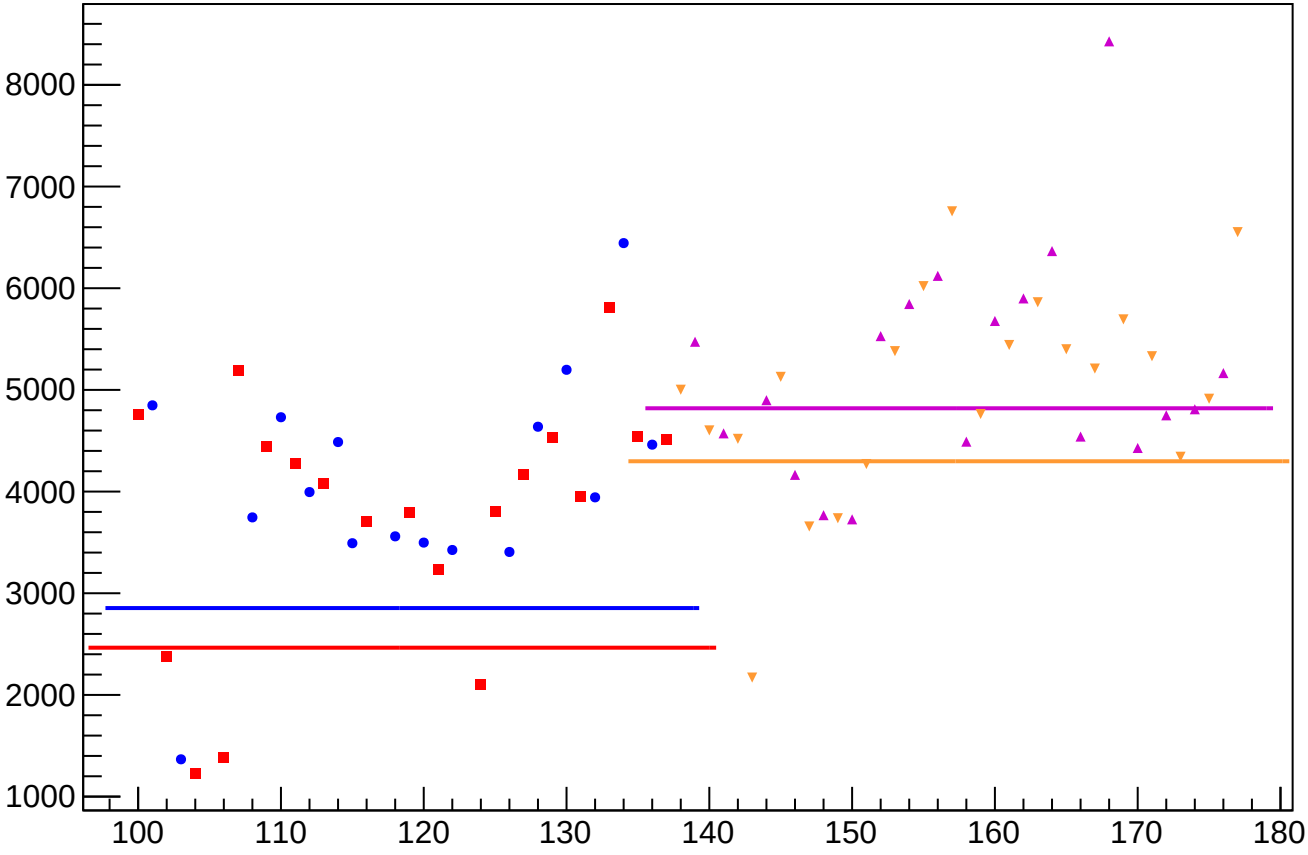
Left In: -426.235+/-1247.599 χ^2/NDF:11.4/18

+ sign -270.272+/-811.807 χ^2/NDF: 41.8/36

All: -76.859+/-571.890 χ^2/NDF: 71.3/74

- sign 113.690+/-805.776 χ^2/NDF: 29.4/37

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4298.154+/-0.783 χ^2/NDF:2816029.8/20

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

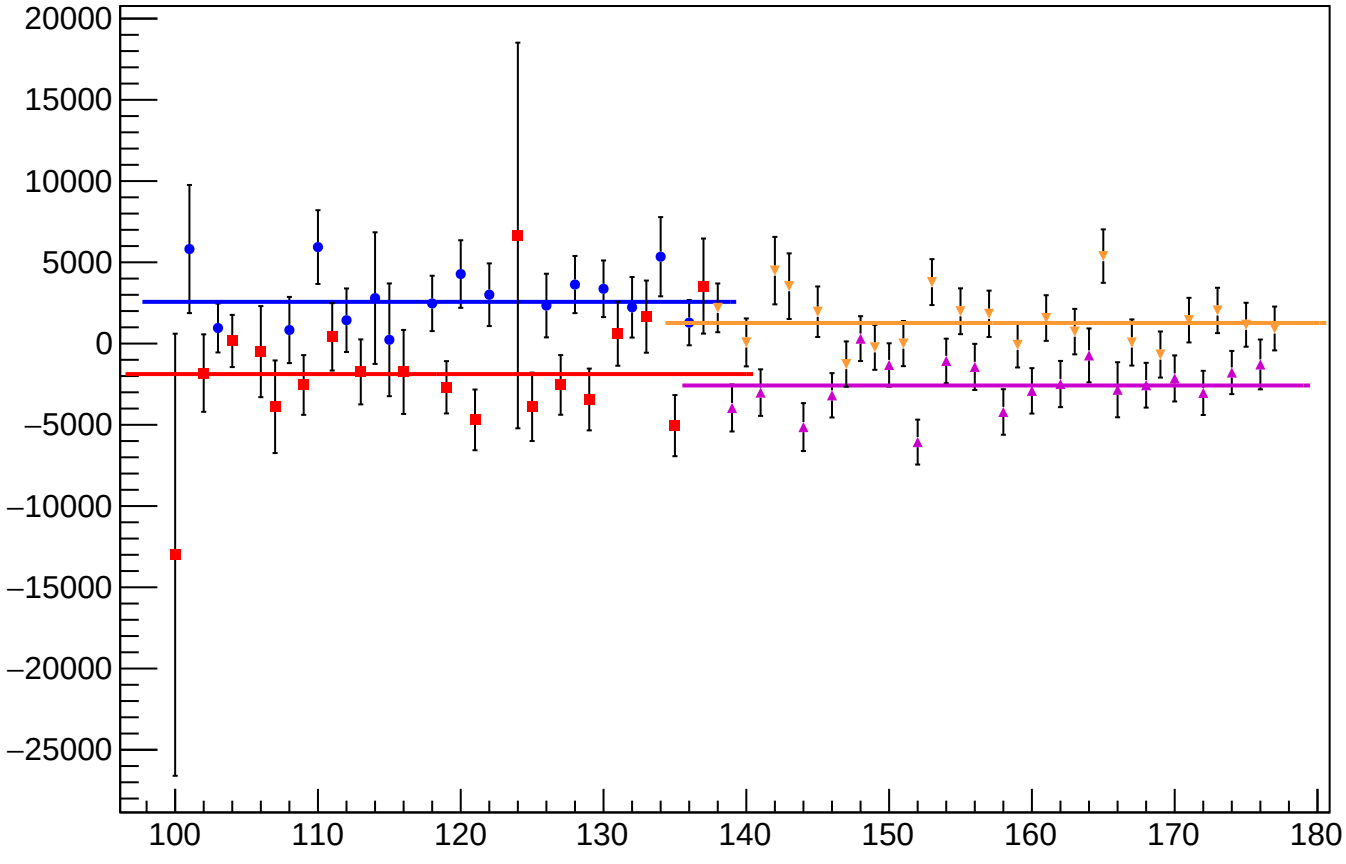
Left In: 4819.254+/-0.882 χ^2/NDF:1024209.6/18

+ sign 3629.428+/-0.574 χ^2/NDF: 7293917.1/36

All: 3537.438+/-0.404 χ^2/NDF: 15877496.9/7

- sign 3446.809+/-0.570 χ^2/NDF: 8532598.6/37

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1267.246+/-318.095 χ^2/NDF:24.2/20

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

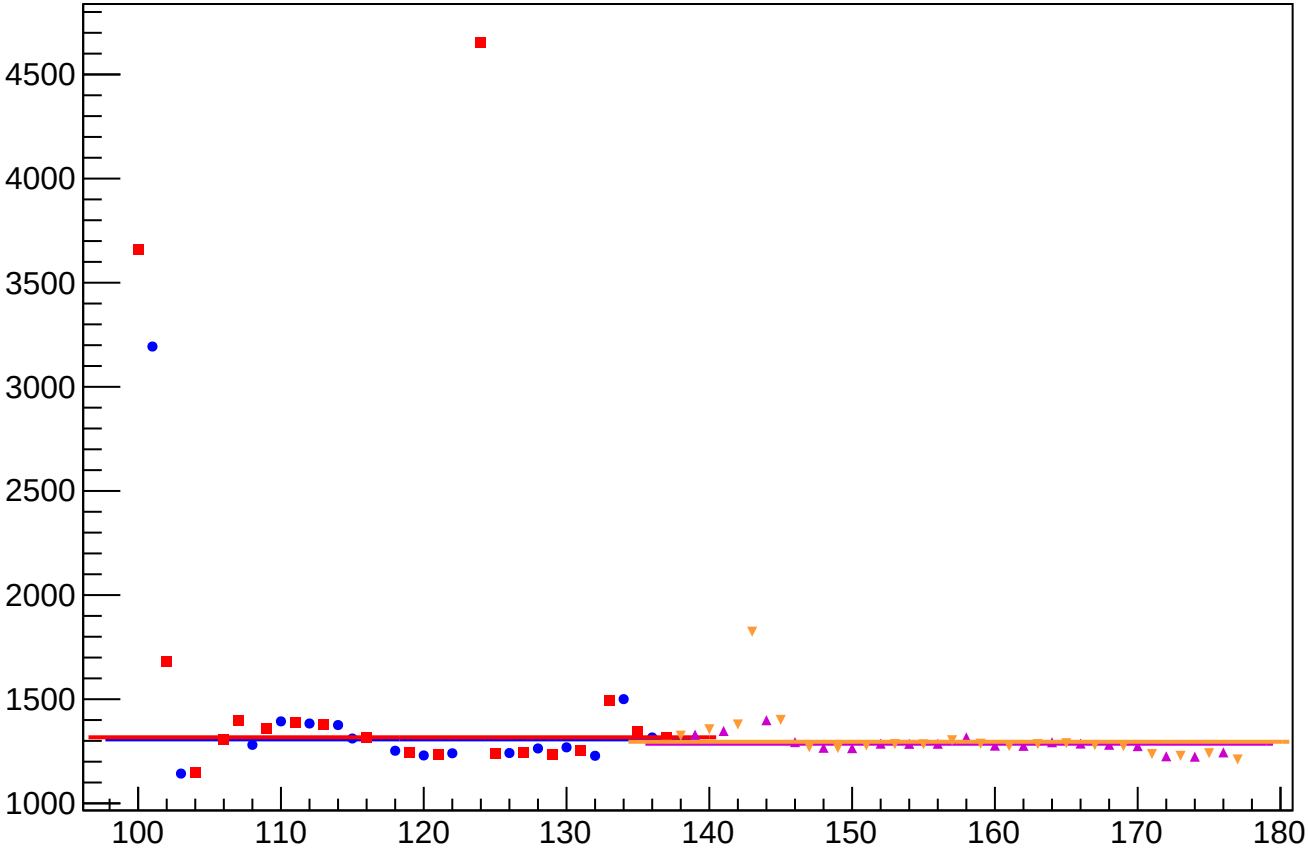
Left In: -2580.385+/-326.440 χ^2/NDF:21.7/18

+ sign 1646.774+/-267.661 χ^2/NDF: 38.1/36

All: -324.519+/-190.942 χ^2/NDF: 191.1/74

- sign -2367.262+/-272.469 χ^2/NDF: 42.6/37

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1295.682+/-0.225 χ^2/NDF:176718.3/20

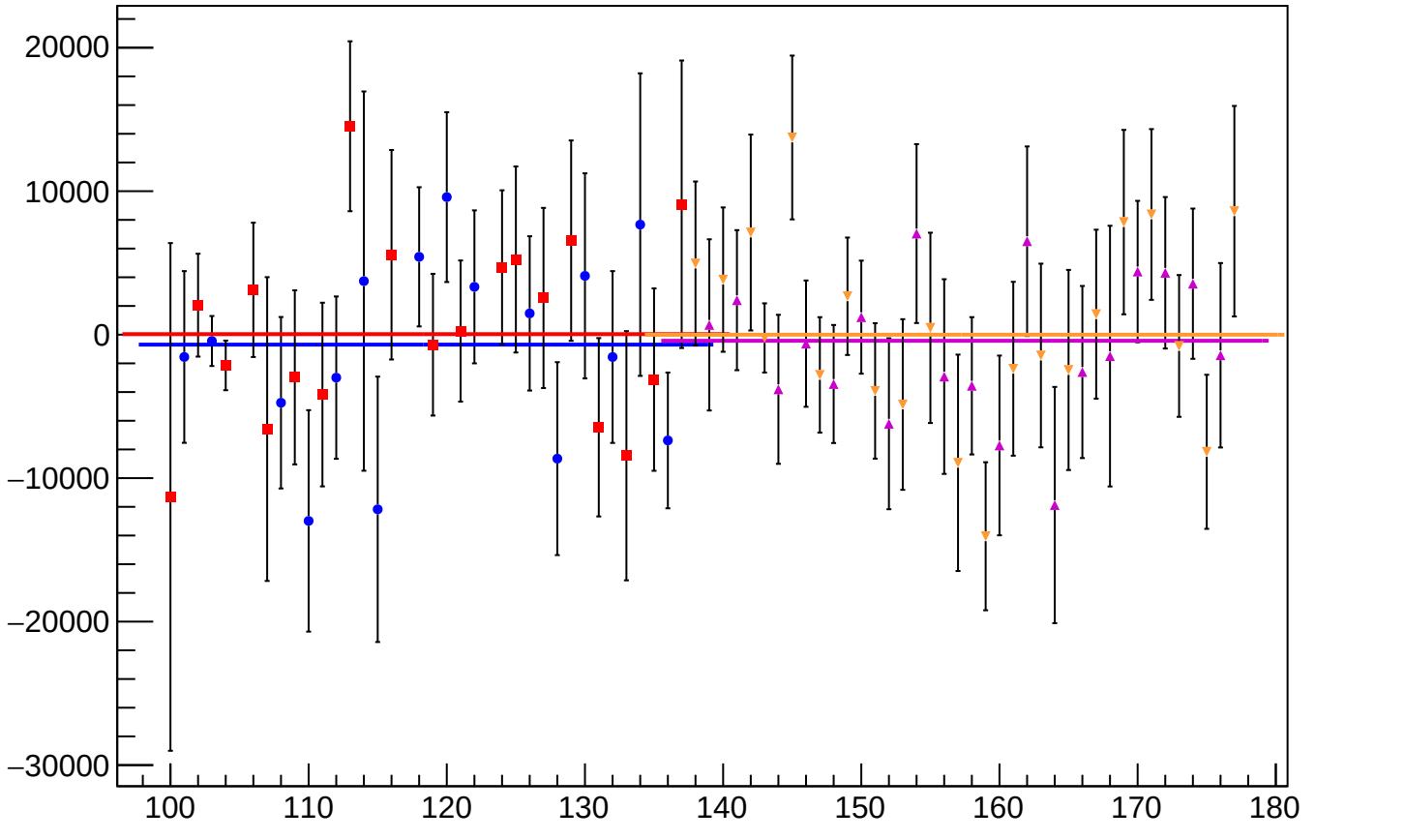
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

+ sign 1299.006+/-0.189 χ^2/NDF: 693716.9/36

All: 1297.349+/-0.135 χ^2/NDF: 1054484.3/74

- sign 1295.634+/-0.193 χ^2/NDF: 360611.3/37



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -1.531+/-1107.966 χ^2/NDF:26.9/20

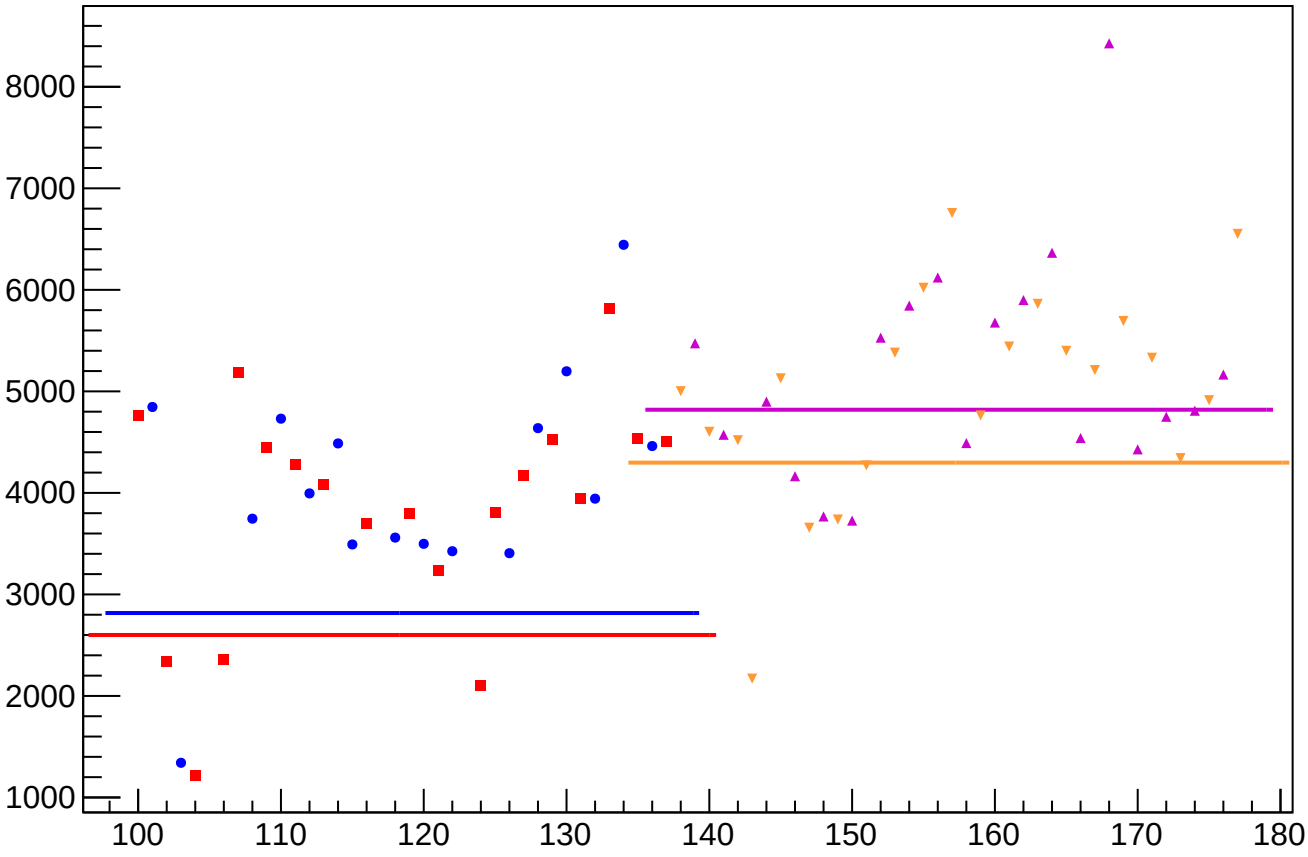
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -426.311+/-1247.599 χ^2/NDF:11.4/18

+ sign -325.859+/-808.495 χ^2/NDF: 41.8/36

All: -247.366+/-577.211 χ^2/NDF: 69.2/74

- sign -165.768+/-824.334 χ^2/NDF: 27.4/37



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4298.135+/-0.783 χ^2/NDF:2816117.0/20

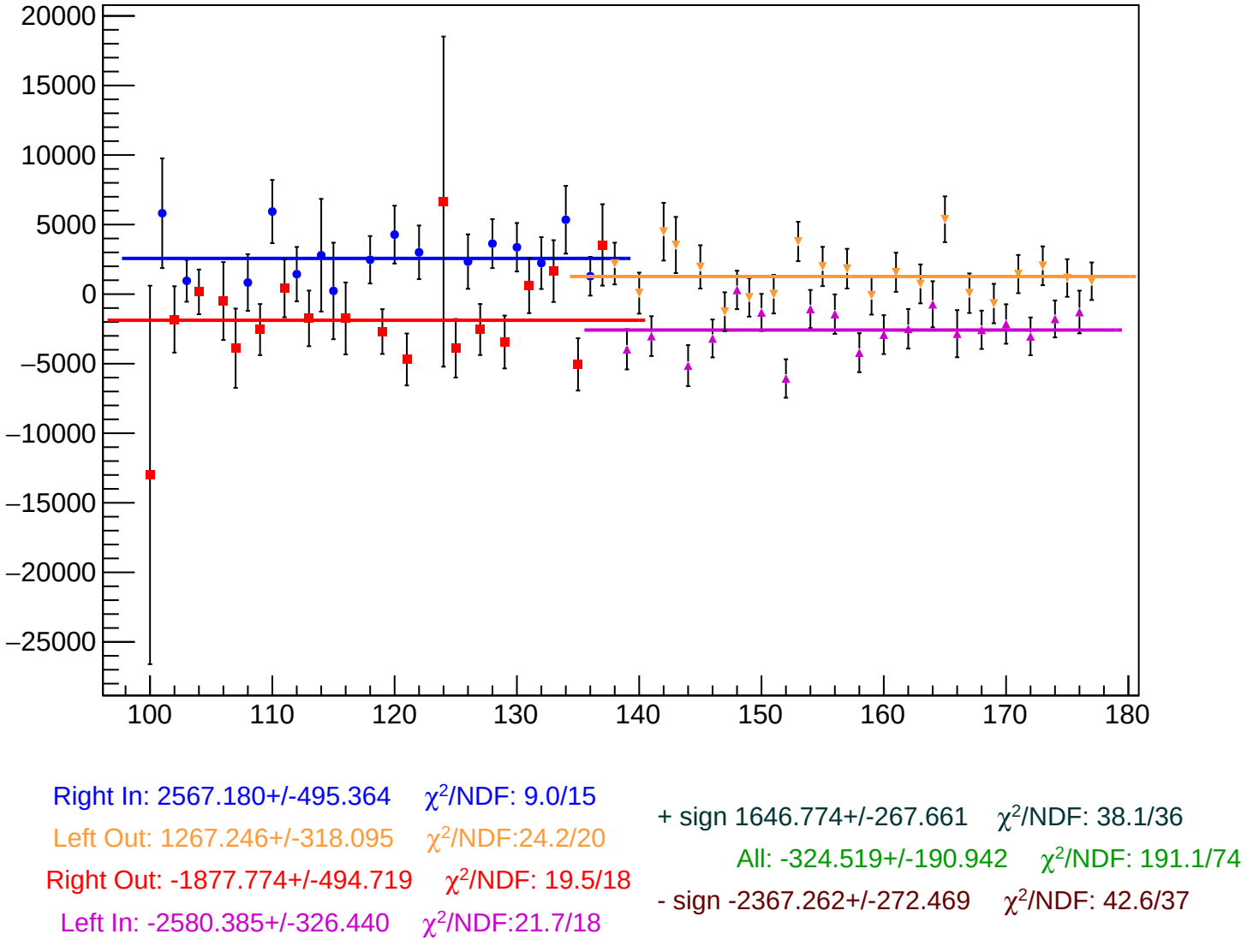
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4819.254+/-0.882 χ^2/NDF:1024217.0/18

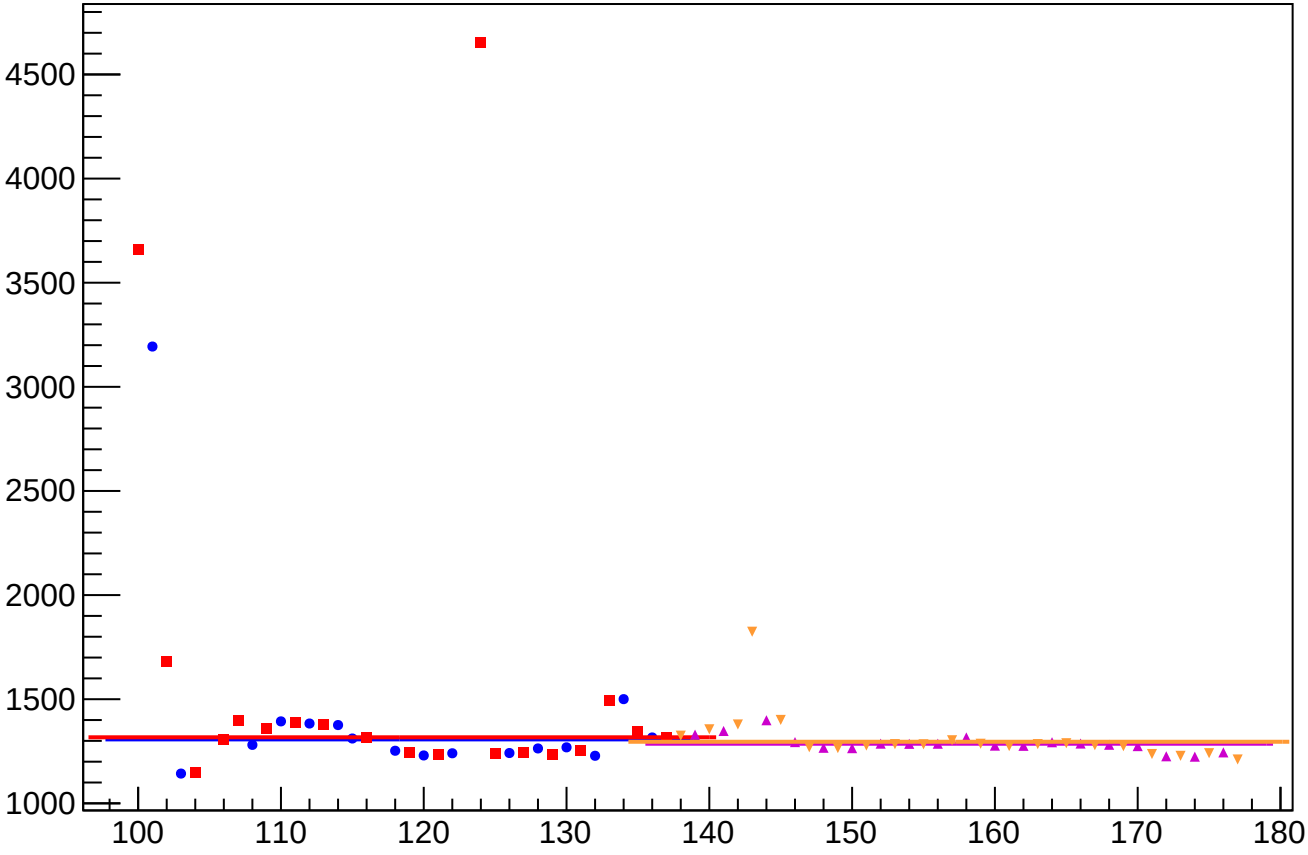
+ sign 3605.571+/-0.572 χ^2/NDF: 7495144.4/36

All: 3587.719+/-0.408 χ^2/NDF: 15166033.1/7

- sign 3569.161+/-0.583 χ^2/NDF: 7668899.9/37


eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 2567.180+/-495.364 χ²/NDF: 9.0/15
Left Out: 1267.246+/-318.095 χ²/NDF:24.2/20
Right Out: -1877.774+/-494.719 χ²/NDF: 19.5/18
Left In: -2580.385+/-326.440 χ²/NDF:21.7/18
+ sign 1646.774+/-267.661 χ²/NDF: 38.1/36
All: -324.519+/-190.942 χ²/NDF: 191.1/74
- sign -2367.262+/-272.469 χ²/NDF: 42.6/37

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: 1295.682+/-0.225 χ^2/NDF:176718.3/20

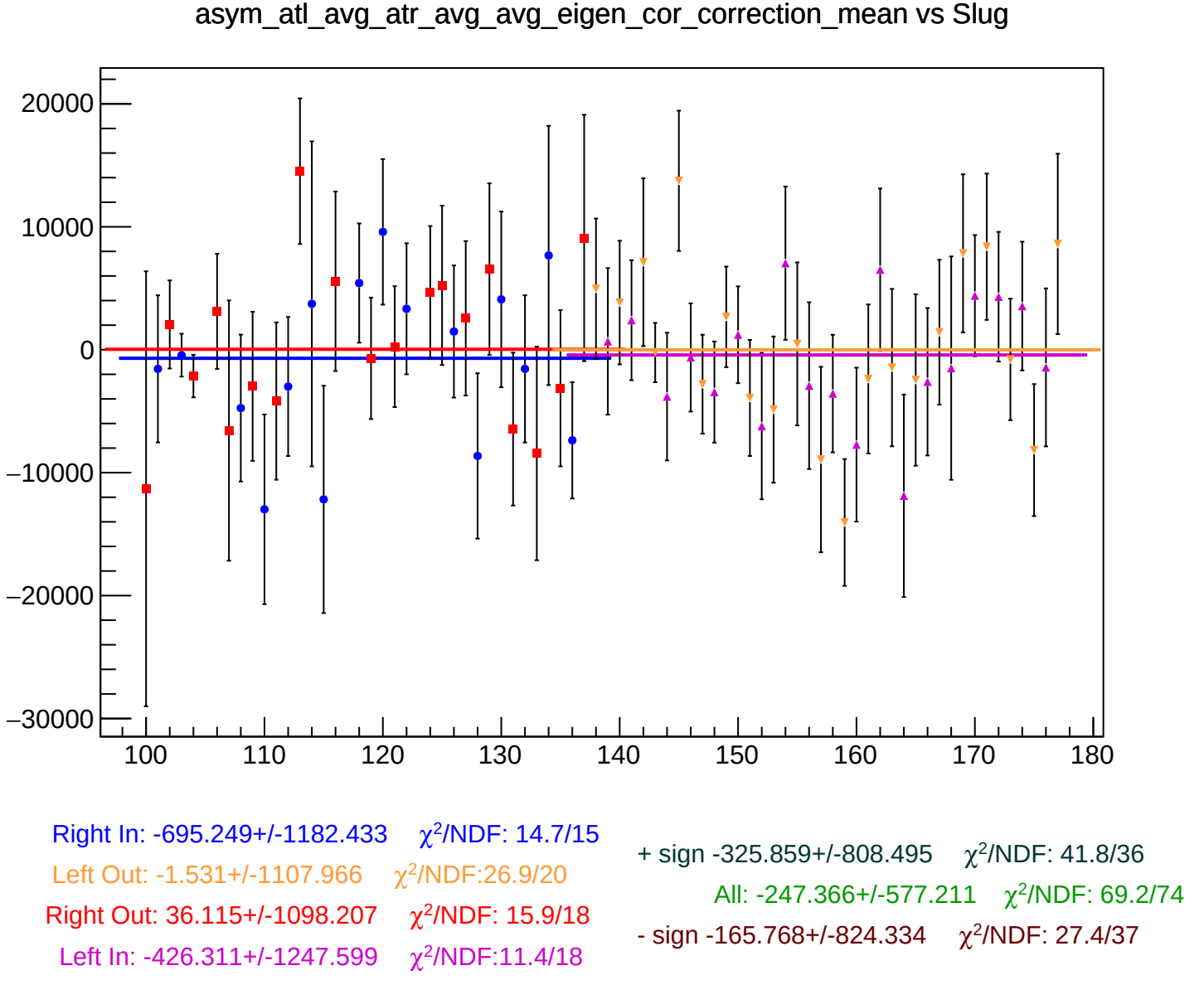
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

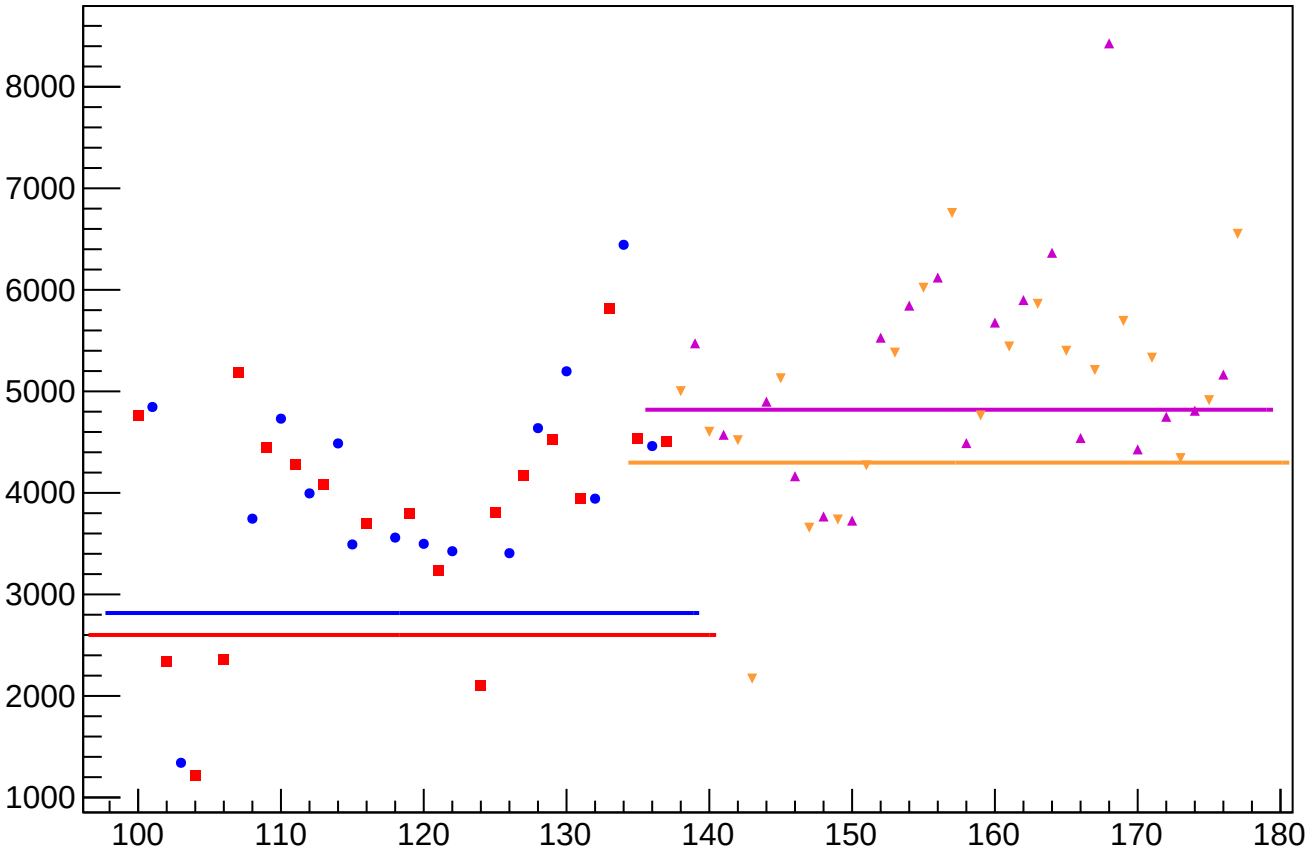
Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

+ sign 1299.006+/-0.189 χ^2/NDF: 693716.9/36

All: 1297.349+/-0.135 χ^2/NDF: 1054484.3/74

- sign 1295.634+/-0.193 χ^2/NDF: 360611.3/37


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: -1.531+/-1107.966 χ²/NDF:26.9/20
Right Out: 36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: -426.311+/-1247.599 χ²/NDF:11.4/18
+ sign -325.859+/-808.495 χ²/NDF: 41.8/36
All: -247.366+/-577.211 χ²/NDF: 69.2/74
- sign -165.768+/-824.334 χ²/NDF: 27.4/37



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4298.135+/-0.783 χ^2/NDF:2816117.0/20

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

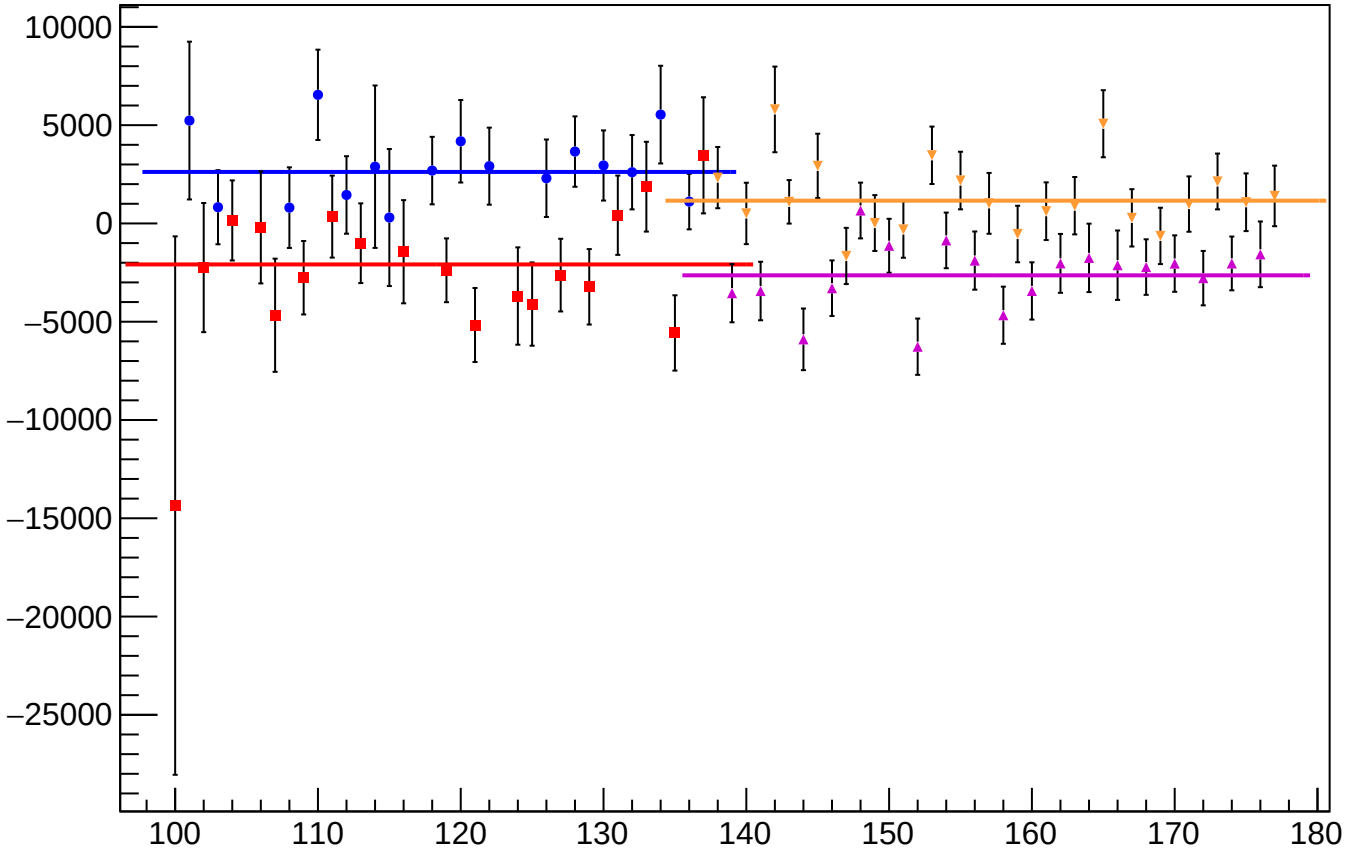
Left In: 4819.254+/-0.882 χ^2/NDF:1024217.0/18

+ sign 3605.571+/-0.572 χ^2/NDF: 7495144.4/36

All: 3587.719+/-0.408 χ^2/NDF: 15166033.1/7

- sign 3569.161+/-0.583 χ^2/NDF: 7668899.9/37

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1157.712+/-321.994 χ^2/NDF:24.3/20

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

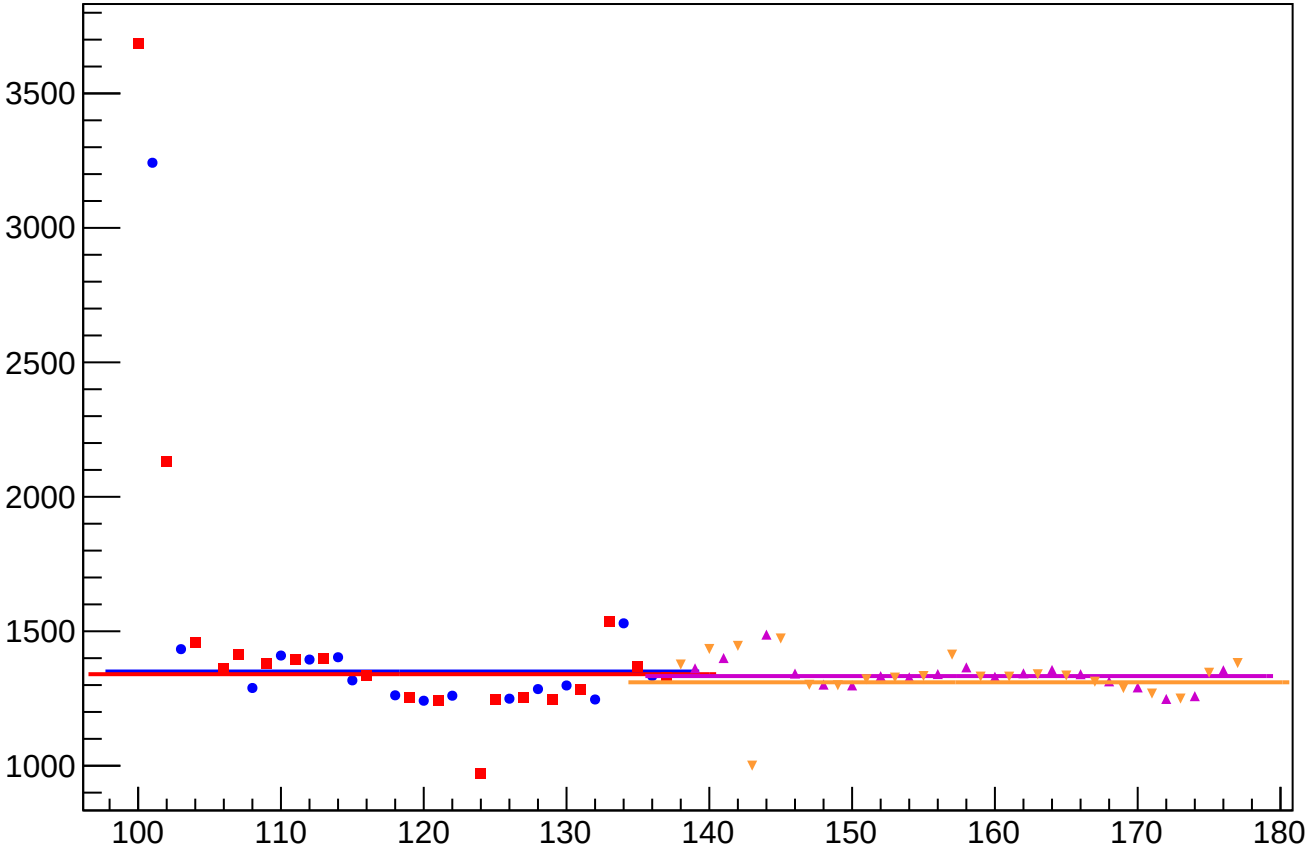
Left In: -2640.240+/-338.554 χ^2/NDF:23.7/18

+ sign 1572.868+/-272.498 χ^2/NDF: 39.4/36

All: -384.274+/-195.685 χ^2/NDF: 191.4/74

- sign -2468.200+/-281.186 χ^2/NDF: 45.5/37

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1310.280+/-0.228 χ^2/NDF:223884.5/20

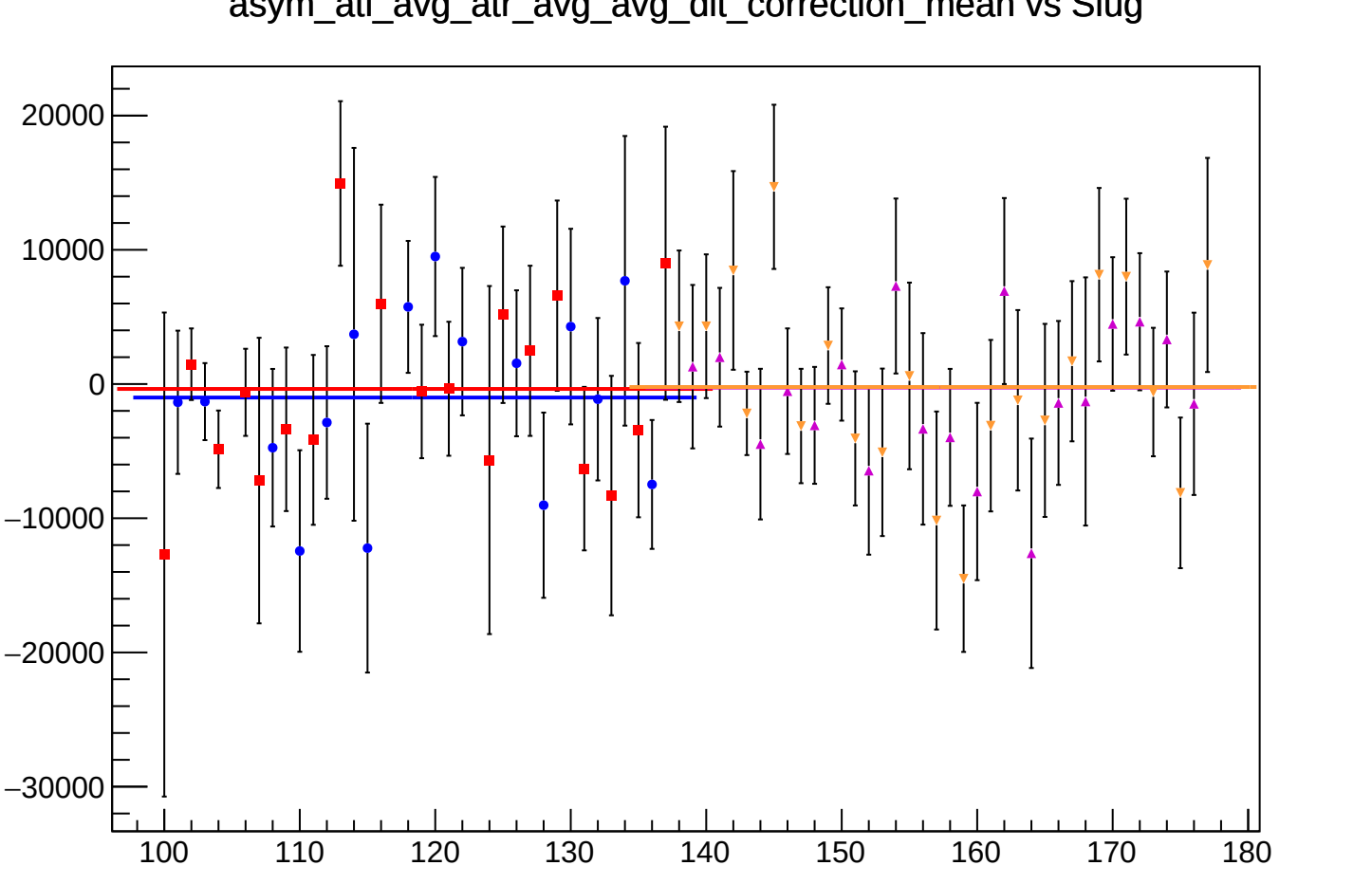
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1333.422+/-0.239 χ^2/NDF:43987.2/18

+ sign 1321.658+/-0.193 χ^2/NDF: 726733.9/36

All: 1328.410+/-0.138 χ^2/NDF: 1045705.7/74

- sign 1335.597+/-0.199 χ^2/NDF: 316436.7/37



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -223.032+/-1197.995 χ^2/NDF:27.0/20

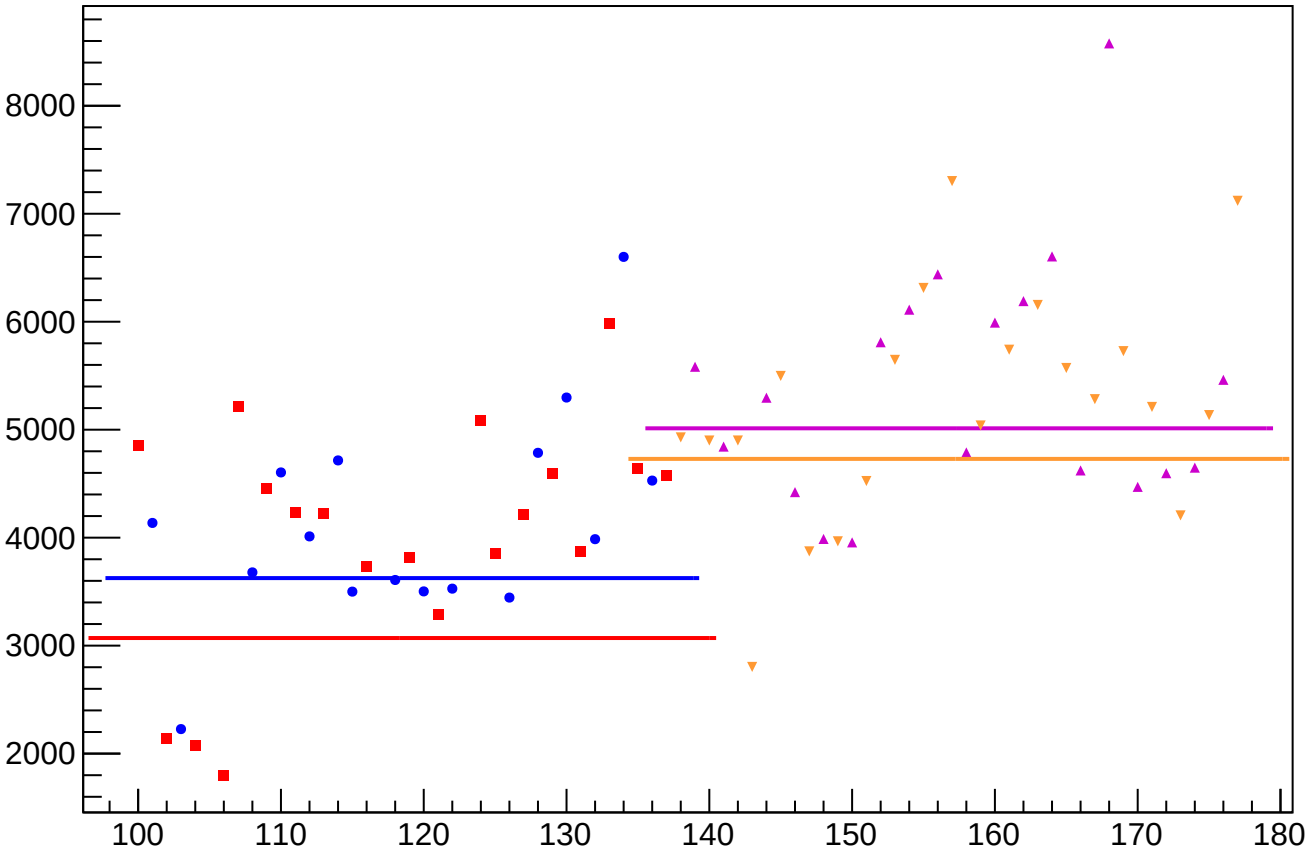
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -262.152+/-1297.214 χ^2/NDF:11.4/18

+ sign -553.105+/-911.451 χ^2/NDF: 41.8/36

All: -431.261+/-633.780 χ^2/NDF: 69.4/74

- sign -317.195+/-881.880 χ^2/NDF: 27.6/37



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4729.493+/-0.847 χ^2/NDF:1766288.4/20

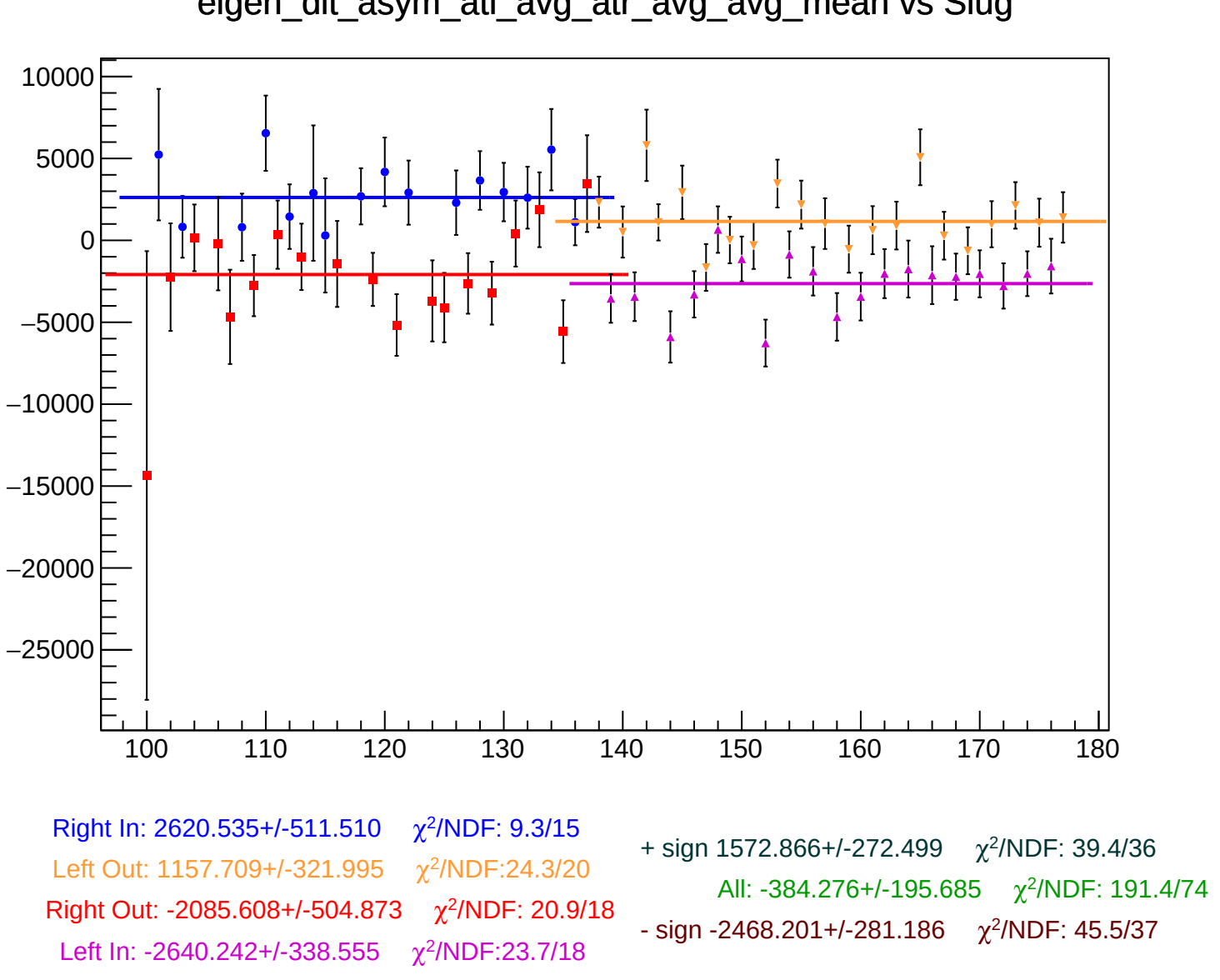
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5012.688+/-0.917 χ^2/NDF:1000809.4/18

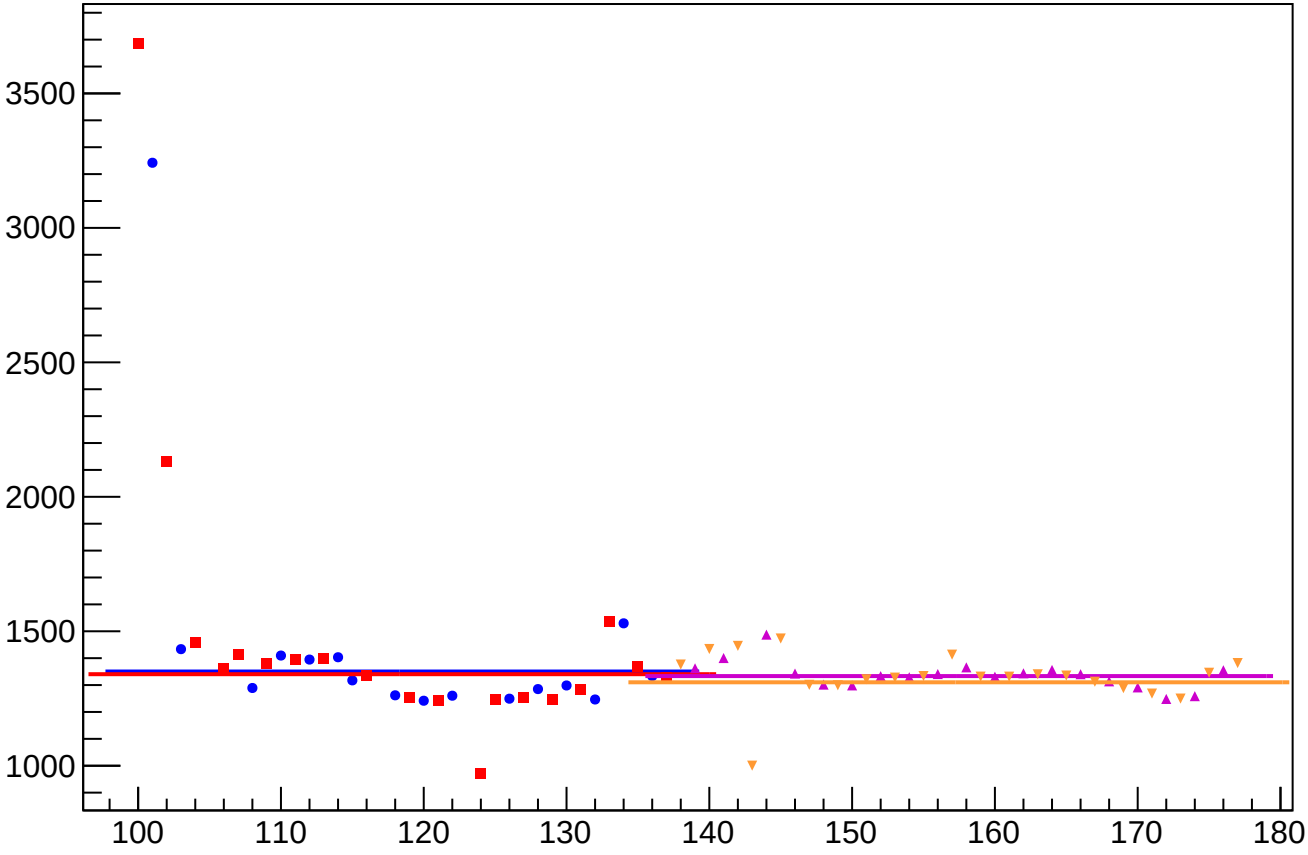
+ sign 4264.538+/-0.644 χ^2/NDF: 3426500.6/36

All: 4111.420+/-0.448 χ^2/NDF: 8786629.0/74

- sign 3968.077+/-0.624 χ^2/NDF: 5250845.0/37


eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 2620.535+/-511.510 χ²/NDF: 9.3/15
Left Out: 1157.709+/-321.995 χ²/NDF:24.3/20
Right Out: -2085.608+/-504.873 χ²/NDF: 20.9/18
Left In: -2640.242+/-338.555 χ²/NDF:23.7/18
+ sign 1572.866+/-272.499 χ²/NDF: 39.4/36
All: -384.276+/-195.685 χ²/NDF: 191.4/74
- sign -2468.201+/-281.186 χ²/NDF: 45.5/37

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: 1310.282+/-0.228 χ^2/NDF:223886.4/20

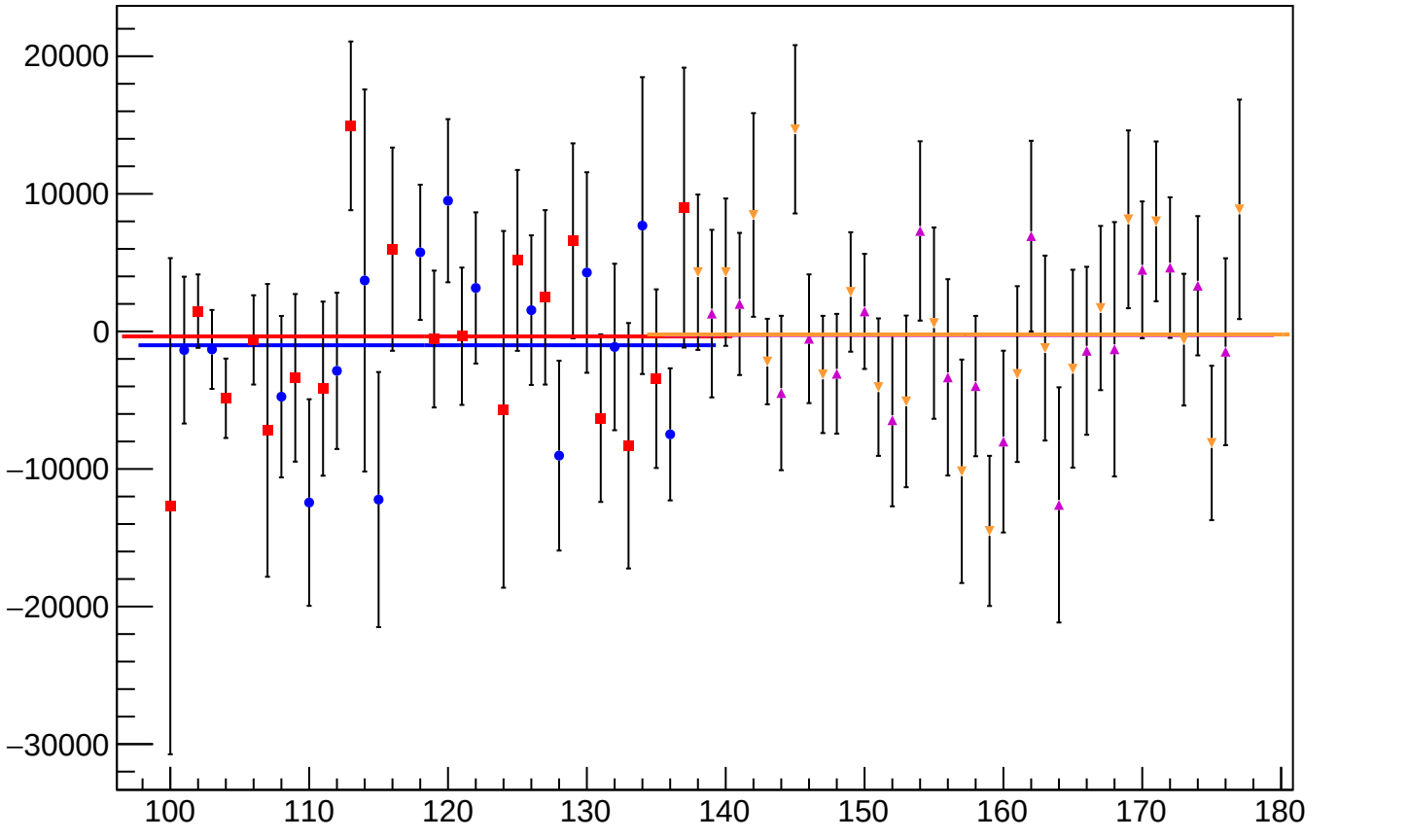
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1333.423+/-0.239 χ^2/NDF:43988.6/18

+ sign 1321.659+/-0.193 χ^2/NDF: 726735.2/36

All: 1328.411+/-0.138 χ^2/NDF: 1045707.3/74

- sign 1335.598+/-0.199 χ^2/NDF: 316436.9/37



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -223.035+/-1197.997 χ^2/NDF:27.0/20

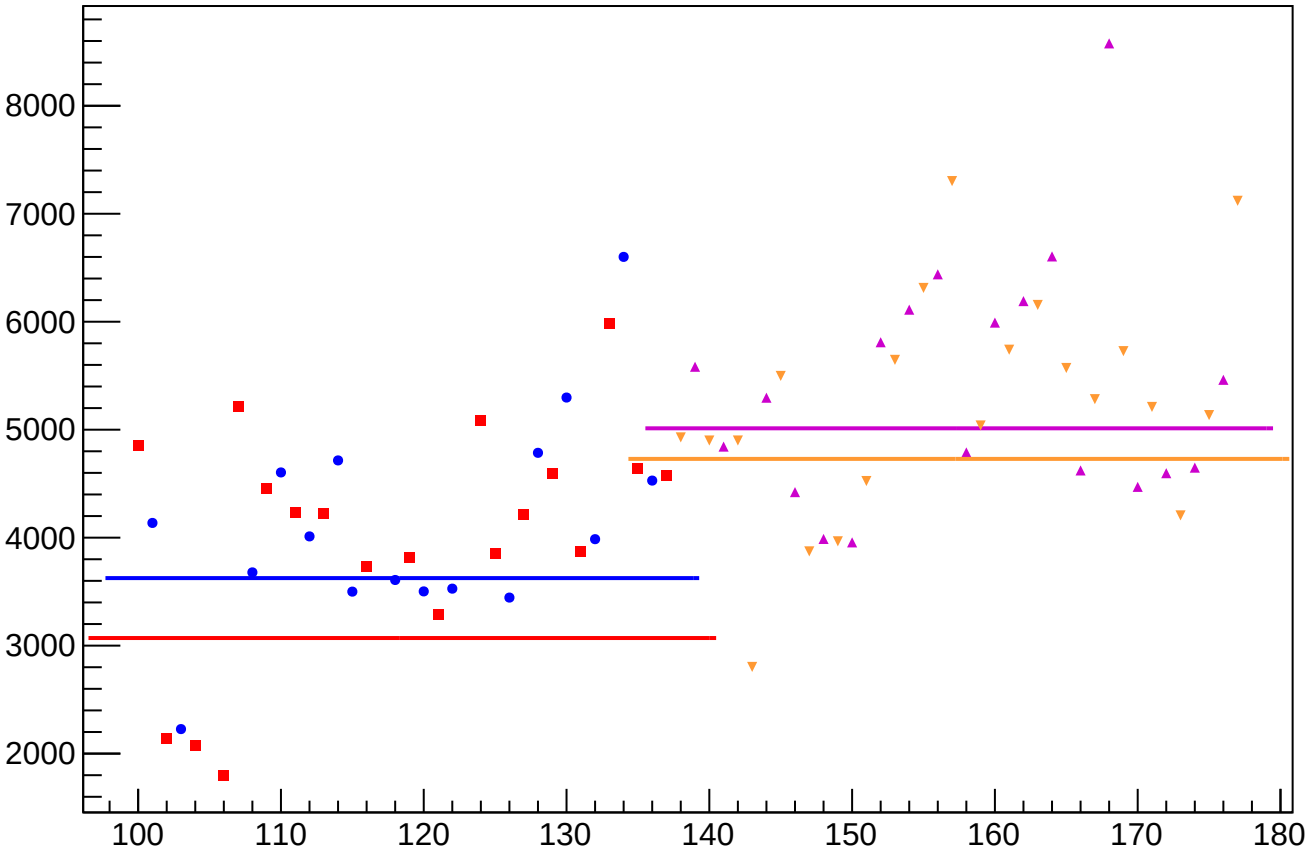
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -262.151+/-1297.216 χ^2/NDF:11.4/18

+ sign -553.105+/-911.451 χ^2/NDF: 41.8/36

All: -431.261+/-633.780 χ^2/NDF: 69.4/74

- sign -317.195+/-881.879 χ^2/NDF: 27.6/37



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4729.500+/-0.847 χ^2/NDF:1766289.0/20

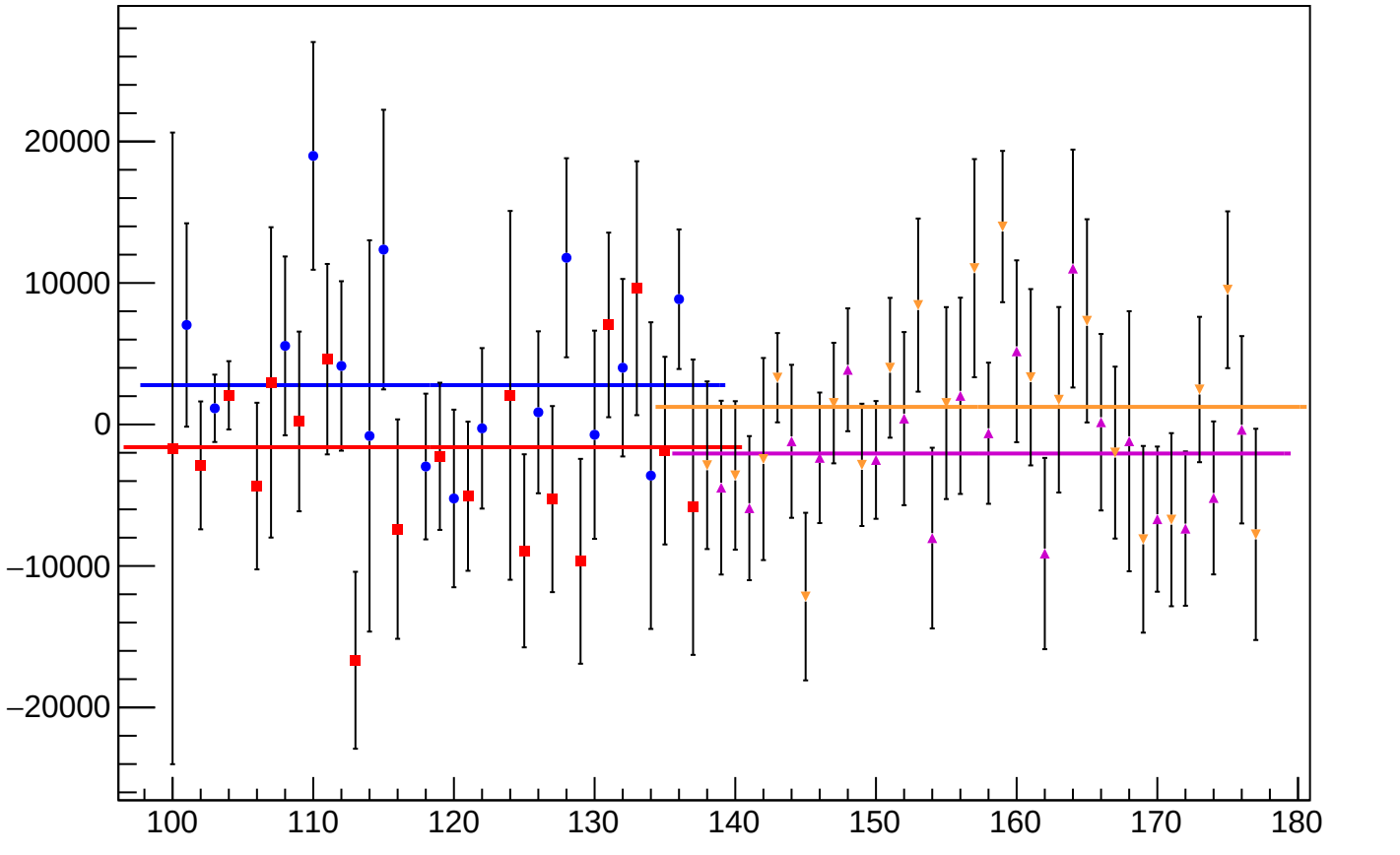
Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5012.695+/-0.917 χ^2/NDF:1000811.1/18

+ sign 4264.536+/-0.644 χ^2/NDF: 3426526.0/36

All: 4111.417+/-0.448 χ^2/NDF: 8786703.5/74

- sign 3968.072+/-0.624 χ^2/NDF: 5250891.4/37



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1241.907+/-1197.918 χ^2/NDF:25.6/20

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

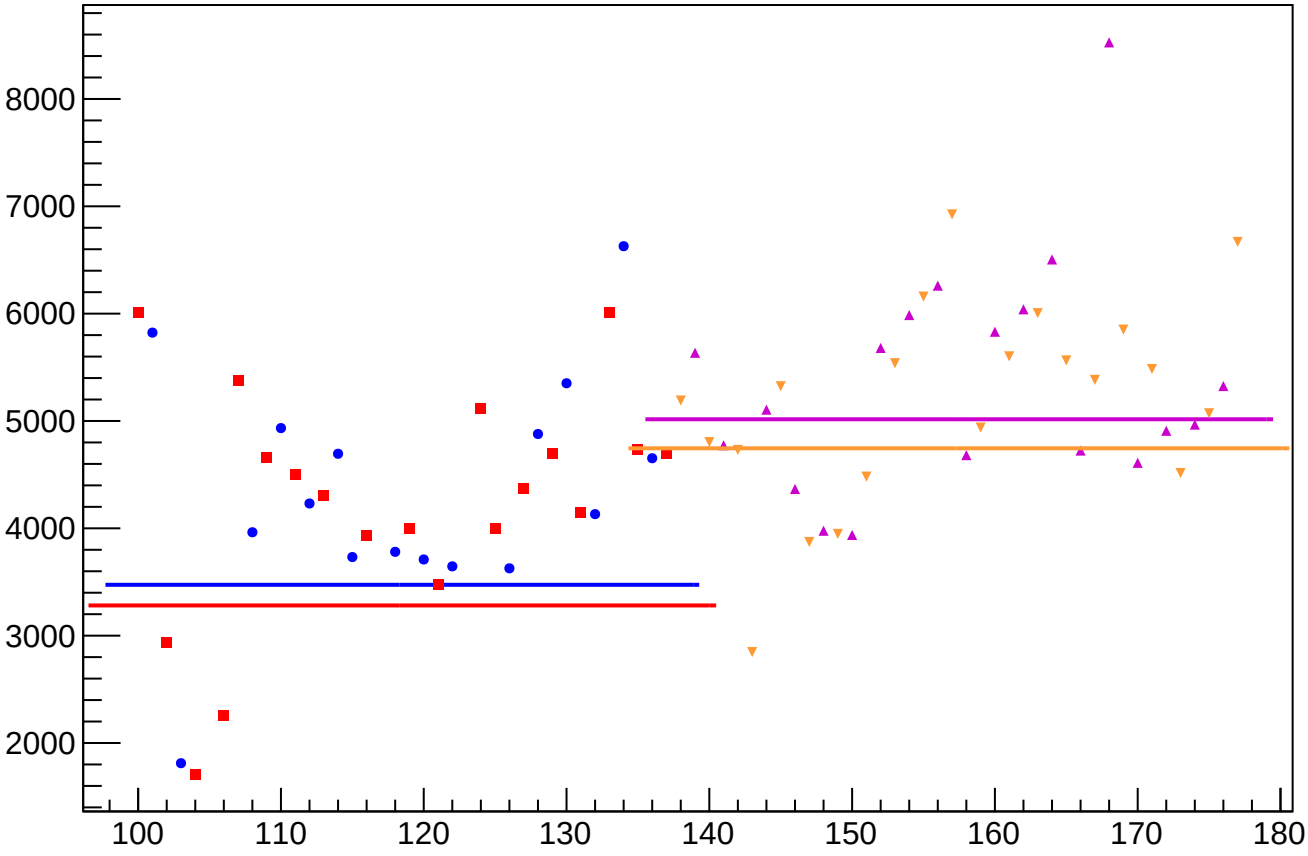
Left In: -2051.934+/-1295.559 χ^2/NDF:11.2/18

+ sign 1898.095+/-907.274 χ^2/NDF: 39.5/36

All: 78.854+/-649.565 χ^2/NDF: 75.8/74

- sign -1834.354+/-930.410 χ^2/NDF: 28.0/37

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4745.437+/-0.847 χ^2/NDF:1584210.3/20

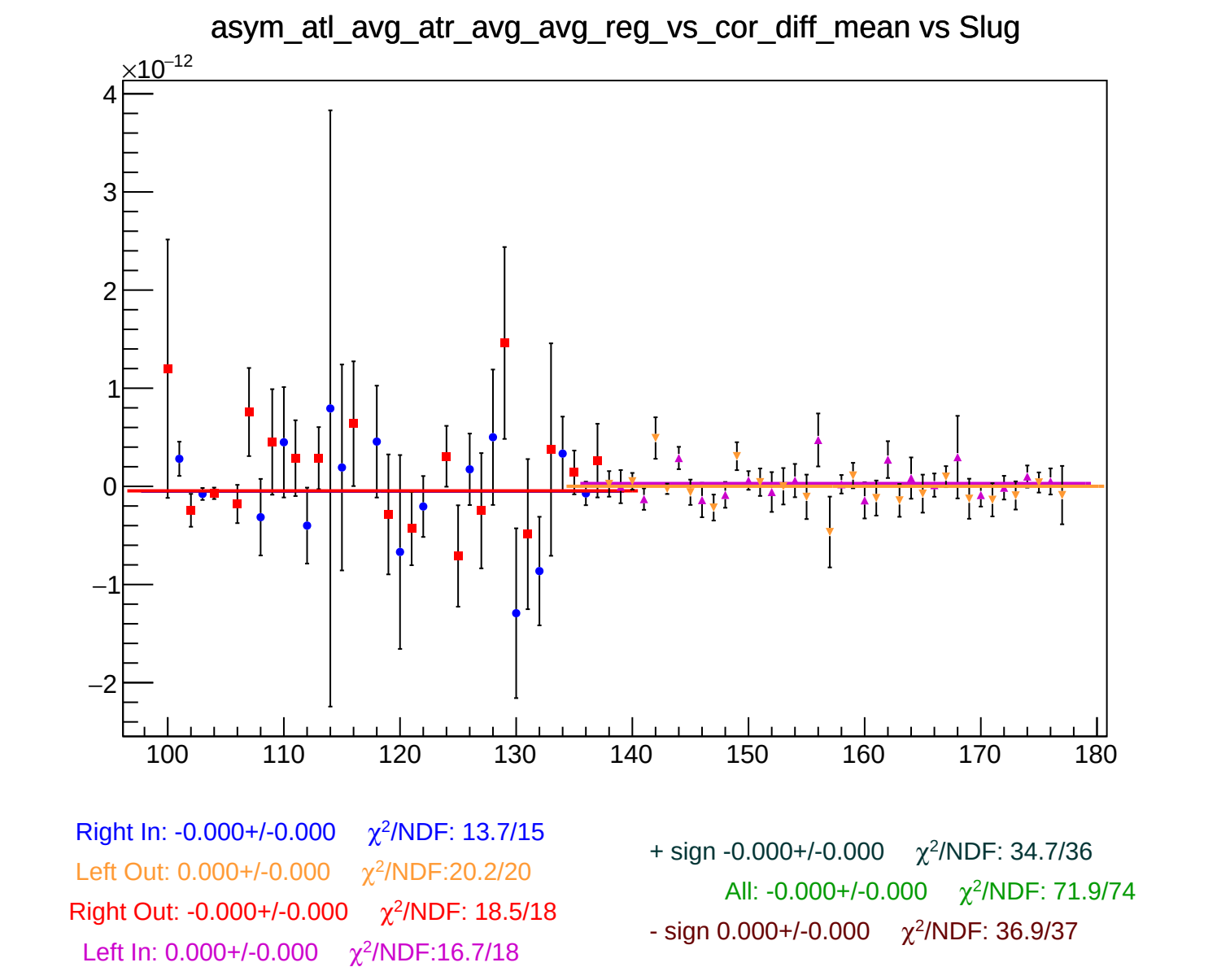
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

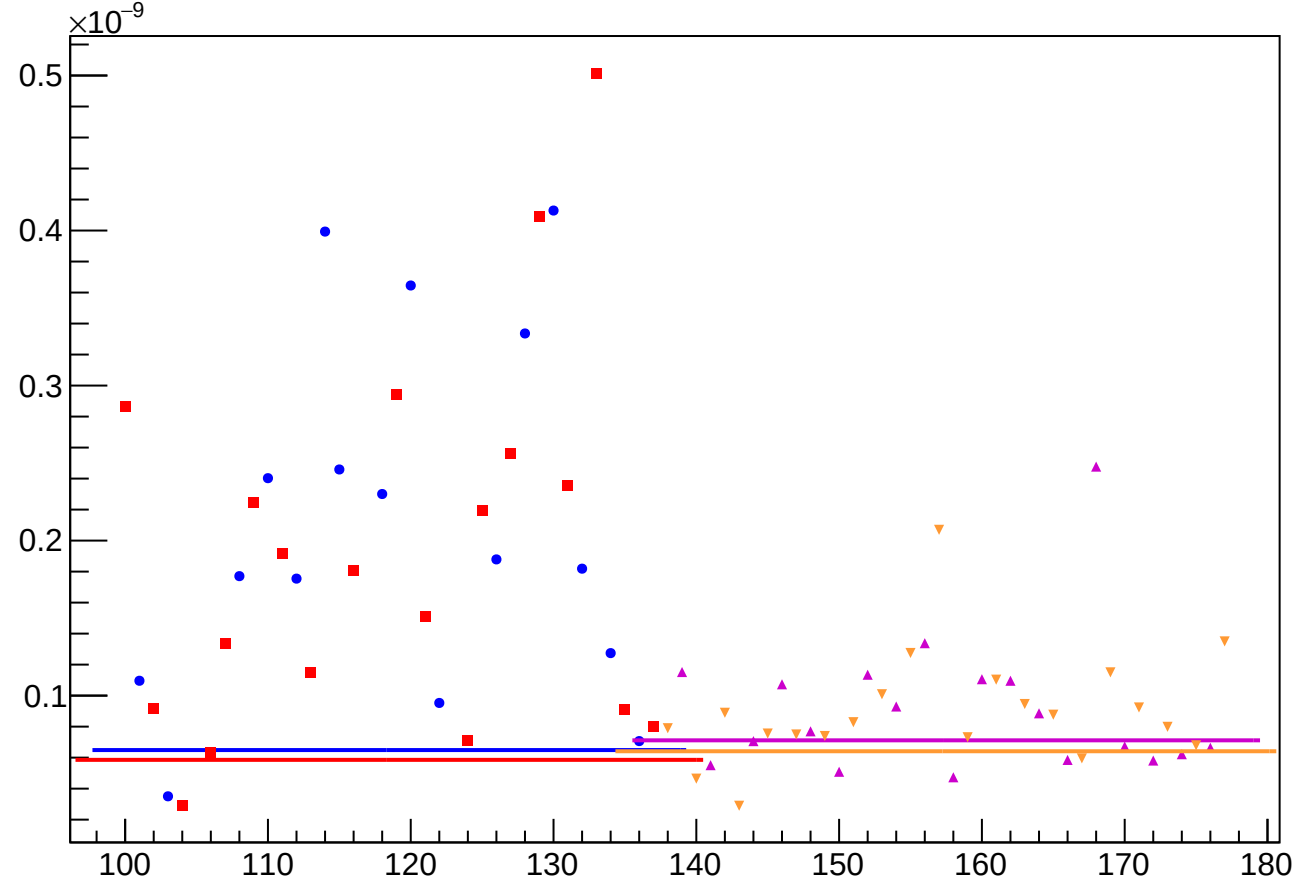
Left In: 5015.916+/-0.916 χ^2/NDF:911825.3/18

+ sign 4203.272+/-0.642 χ^2/NDF: 4388984.7/36

All: 4184.037+/-0.458 χ^2/NDF: 8938614.5/74

- sign 4164.079+/-0.653 χ^2/NDF: 4547798.2/37


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:20.2/20
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:16.7/18
+ sign -0.000+/-0.000 χ²/NDF: 34.7/36
All: -0.000+/-0.000 χ²/NDF: 71.9/74
- sign 0.000+/-0.000 χ²/NDF: 36.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2212067.5/20

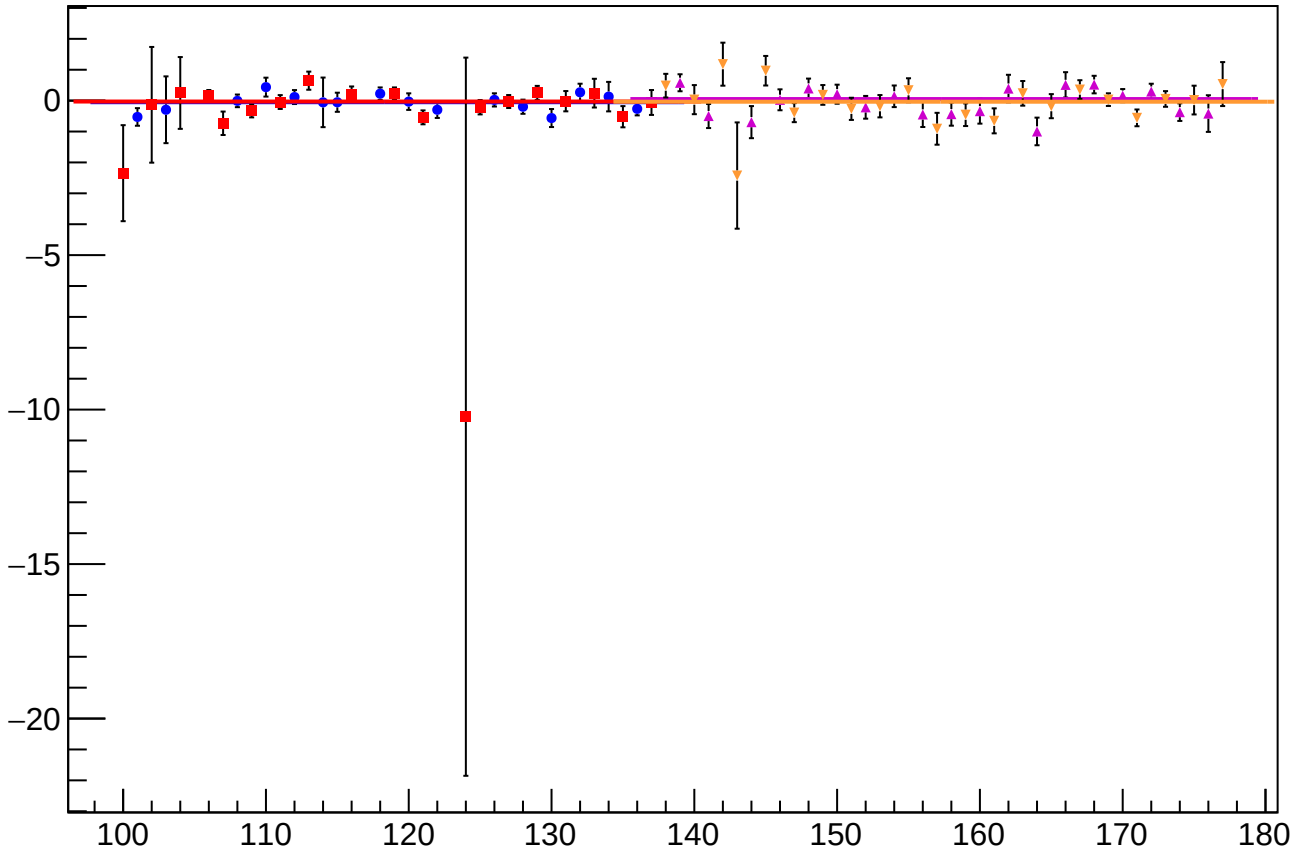
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1319668.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 4805357.8/36

All: 0.000+/-0.000 χ^2/NDF: 9092350.9/74

- sign 0.000+/-0.000 χ^2/NDF: 4272441.6/37



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.079 χ^2/NDF:27.9/20

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

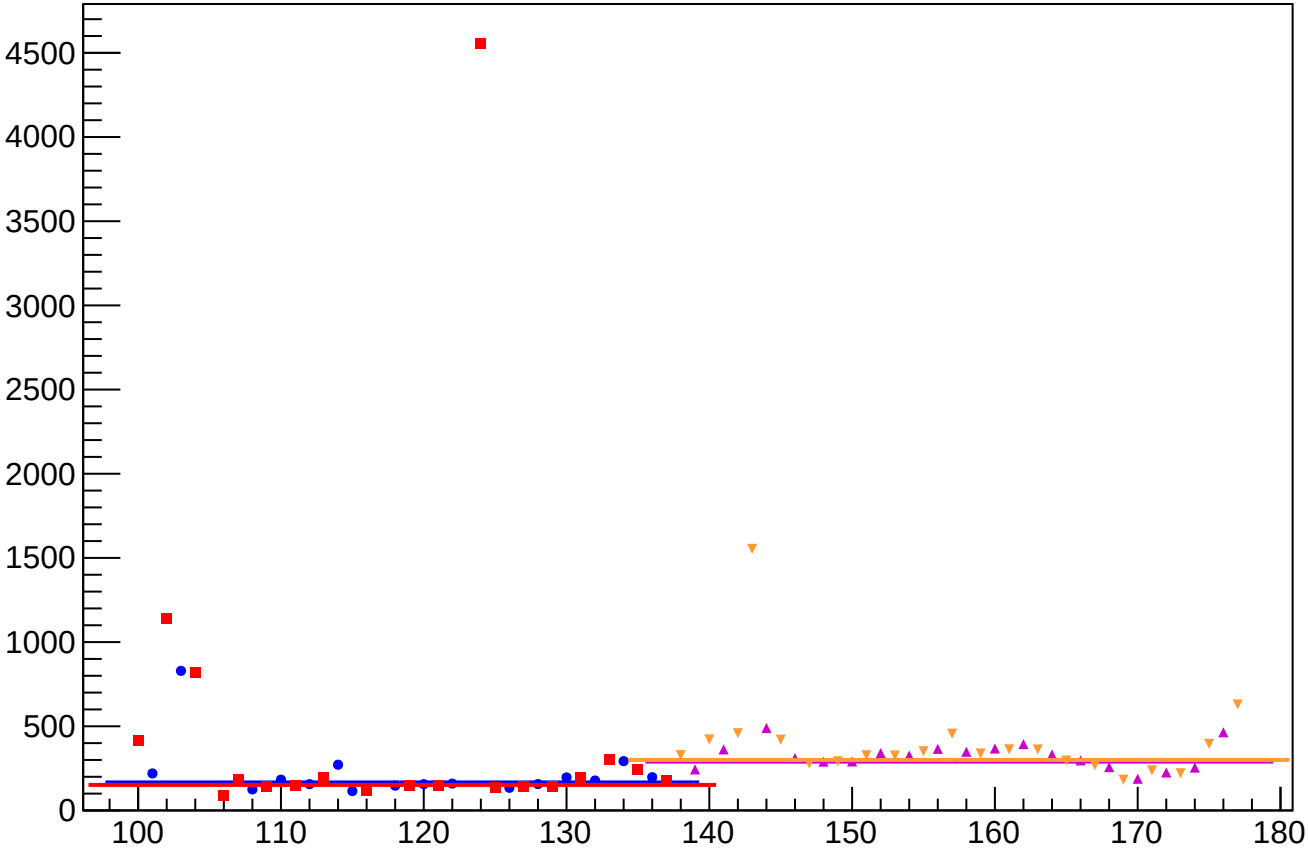
Left In: 0.051+/-0.077 χ^2/NDF:28.0/18

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/36

All: -0.020+/-0.035 χ^2/NDF: 99.4/74

- sign 0.004+/-0.049 χ^2/NDF: 56.2/37

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 300.025+/-0.056 χ^2/NDF:3295358.9/20

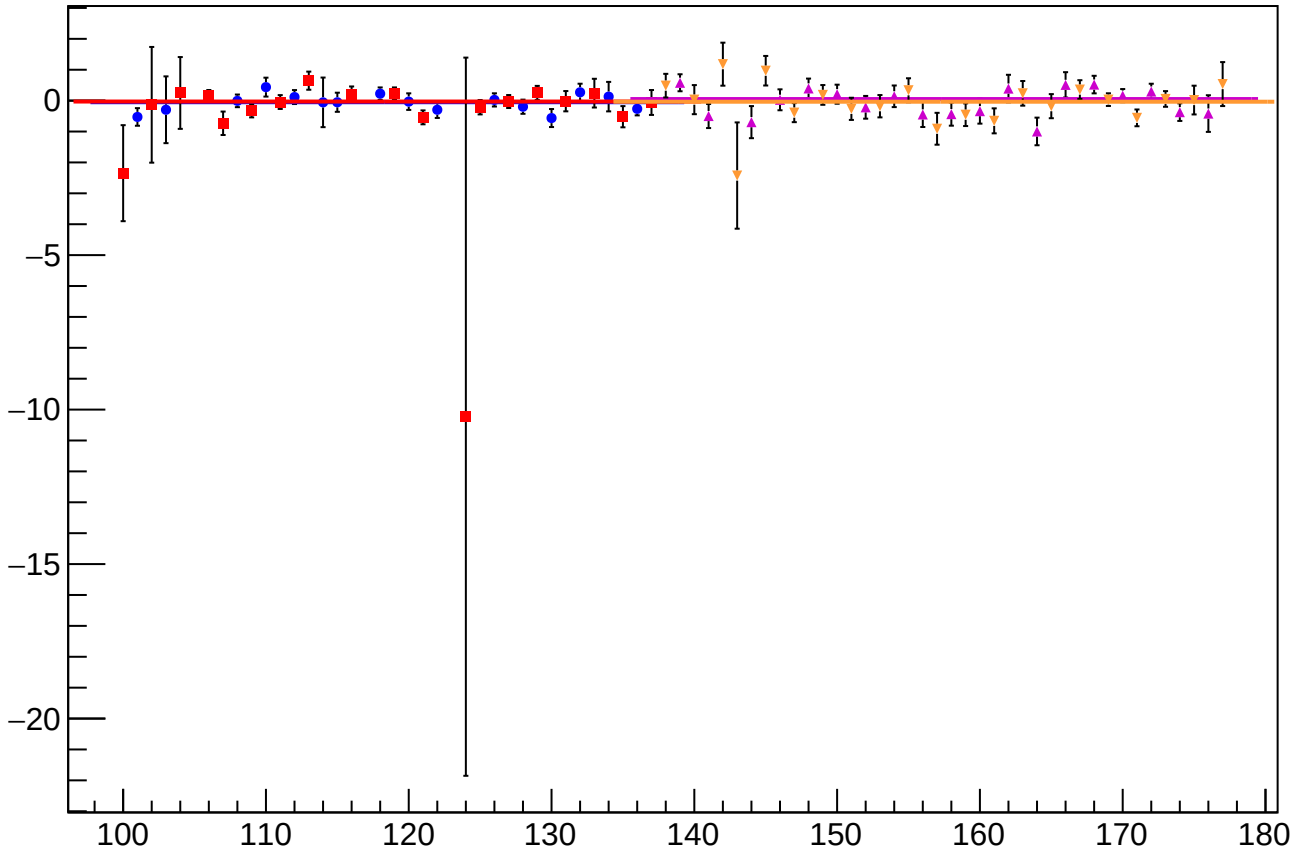
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 290.146+/-0.054 χ^2/NDF:1624889.6/18

+ sign 222.166+/-0.036 χ^2/NDF: 7928628.1/36

All: 215.028+/-0.025 χ^2/NDF: 15764015.2/74

- sign 208.359+/-0.035 χ^2/NDF: 7759388.4/37



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.079 χ^2/NDF:27.9/20

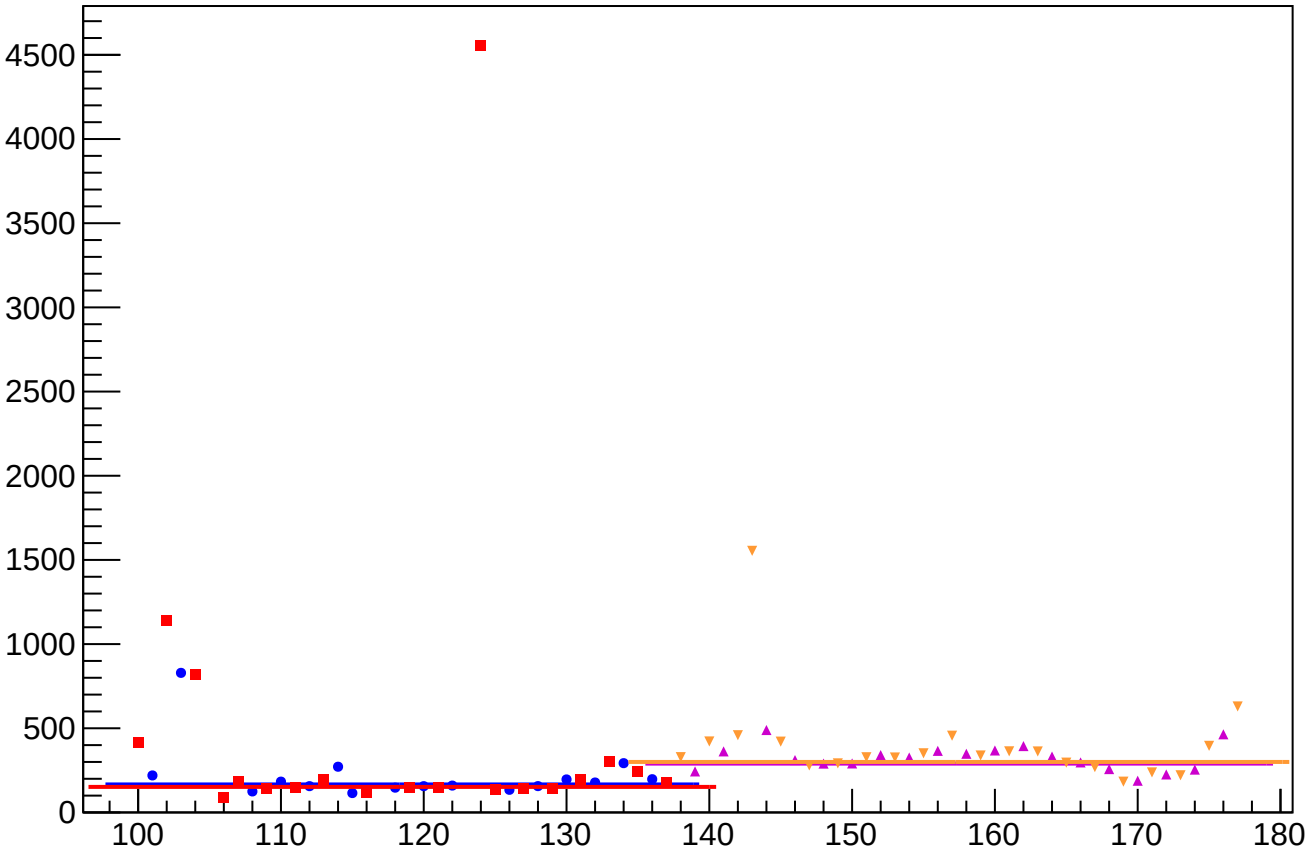
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.051+/-0.077 χ^2/NDF:28.0/18

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/36

All: -0.020+/-0.035 χ^2/NDF: 99.4/74

- sign 0.004+/-0.049 χ^2/NDF: 56.2/37



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 300.025+/-0.056 χ^2/NDF:3295358.9/20

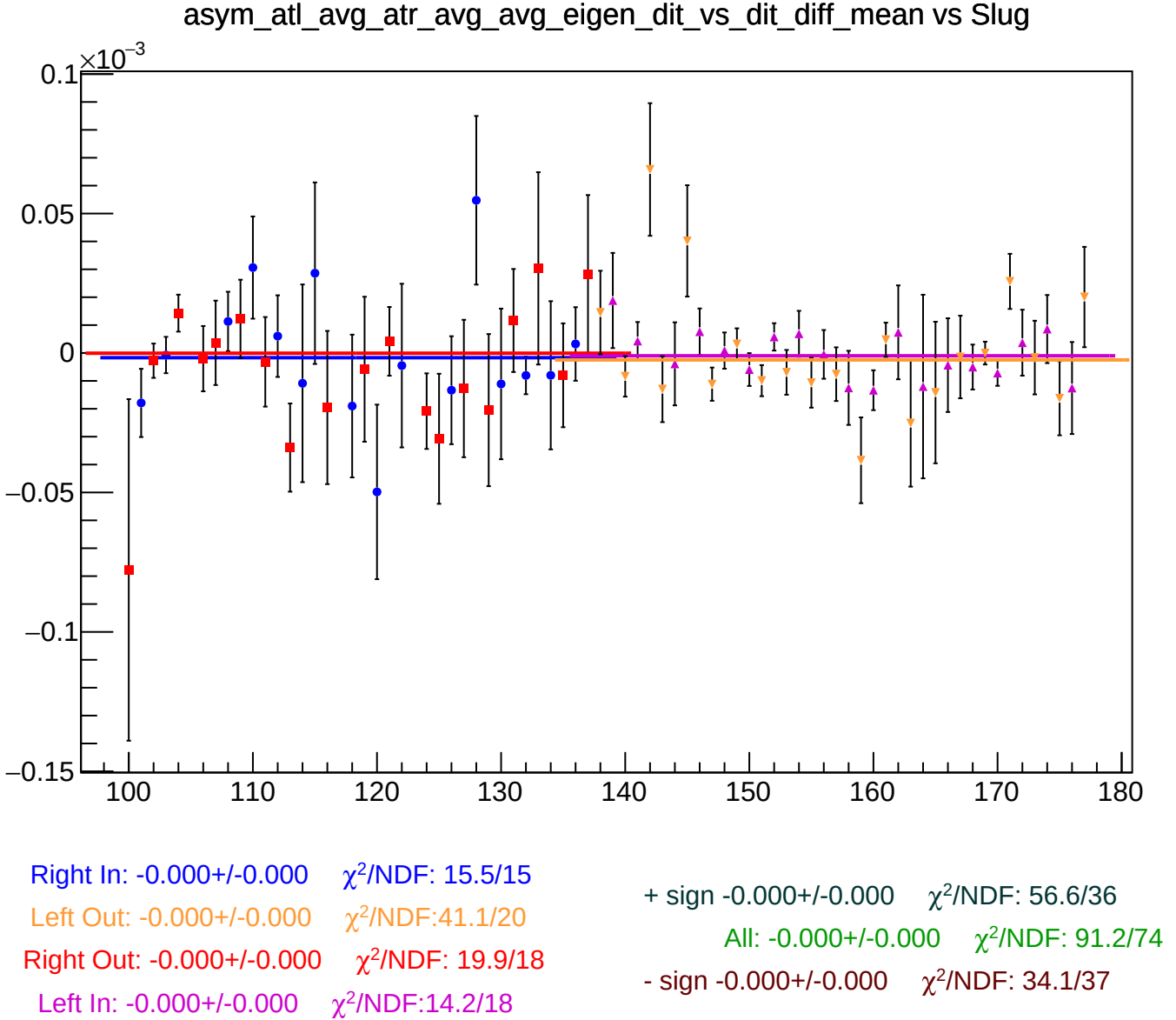
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

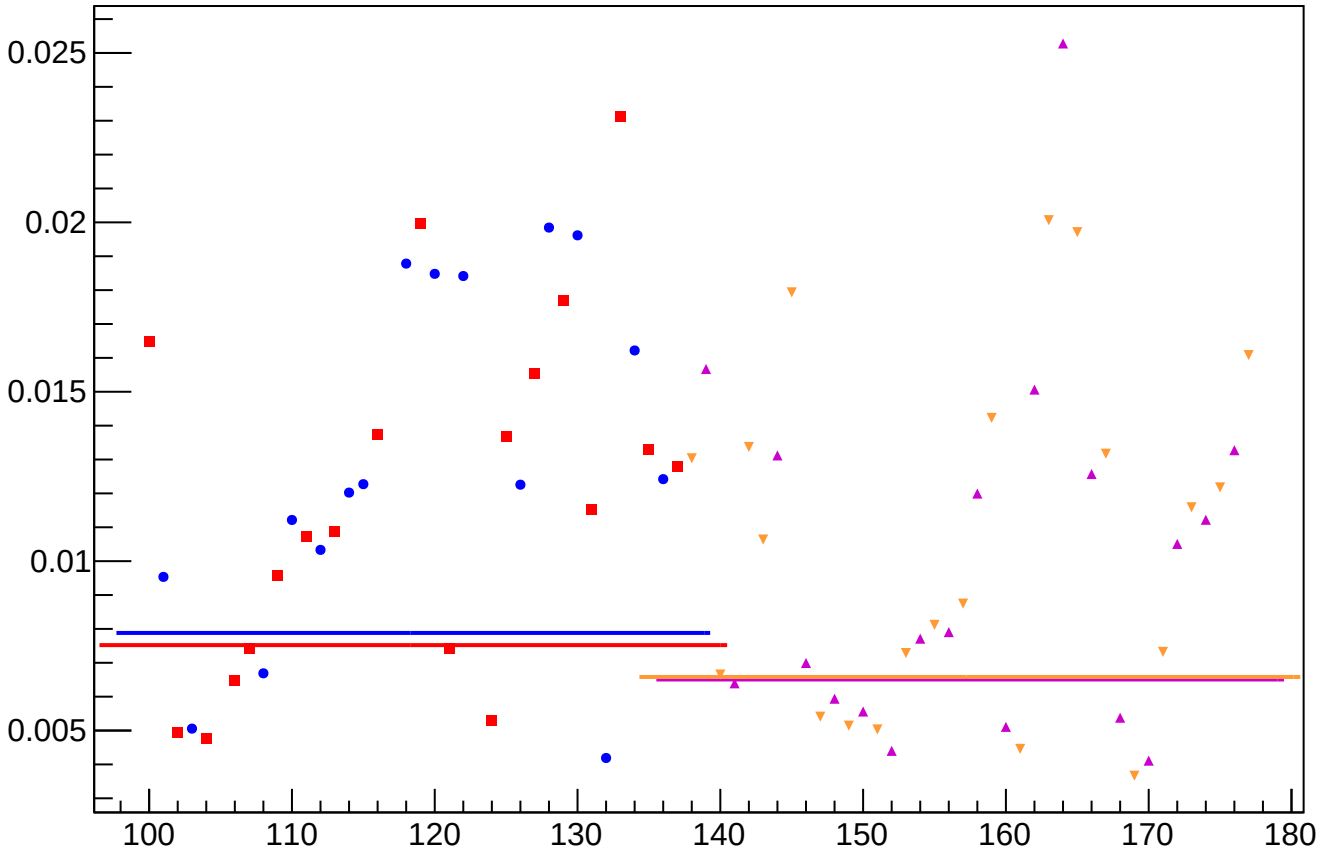
Left In: 290.146+/-0.054 χ^2/NDF:1624889.6/18

+ sign 222.166+/-0.036 χ^2/NDF: 7928628.1/36

All: 215.028+/-0.025 χ^2/NDF: 15764015.2/74

- sign 208.359+/-0.035 χ^2/NDF: 7759388.4/37


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 15.5/15
Left Out: -0.000+/-0.000 χ²/NDF:41.1/20
Right Out: -0.000+/-0.000 χ²/NDF: 19.9/18
Left In: -0.000+/-0.000 χ²/NDF:14.2/18
+ sign -0.000+/-0.000 χ²/NDF: 56.6/36
All: -0.000+/-0.000 χ²/NDF: 91.2/74
- sign -0.000+/-0.000 χ²/NDF: 34.1/37



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:6553673.5/20

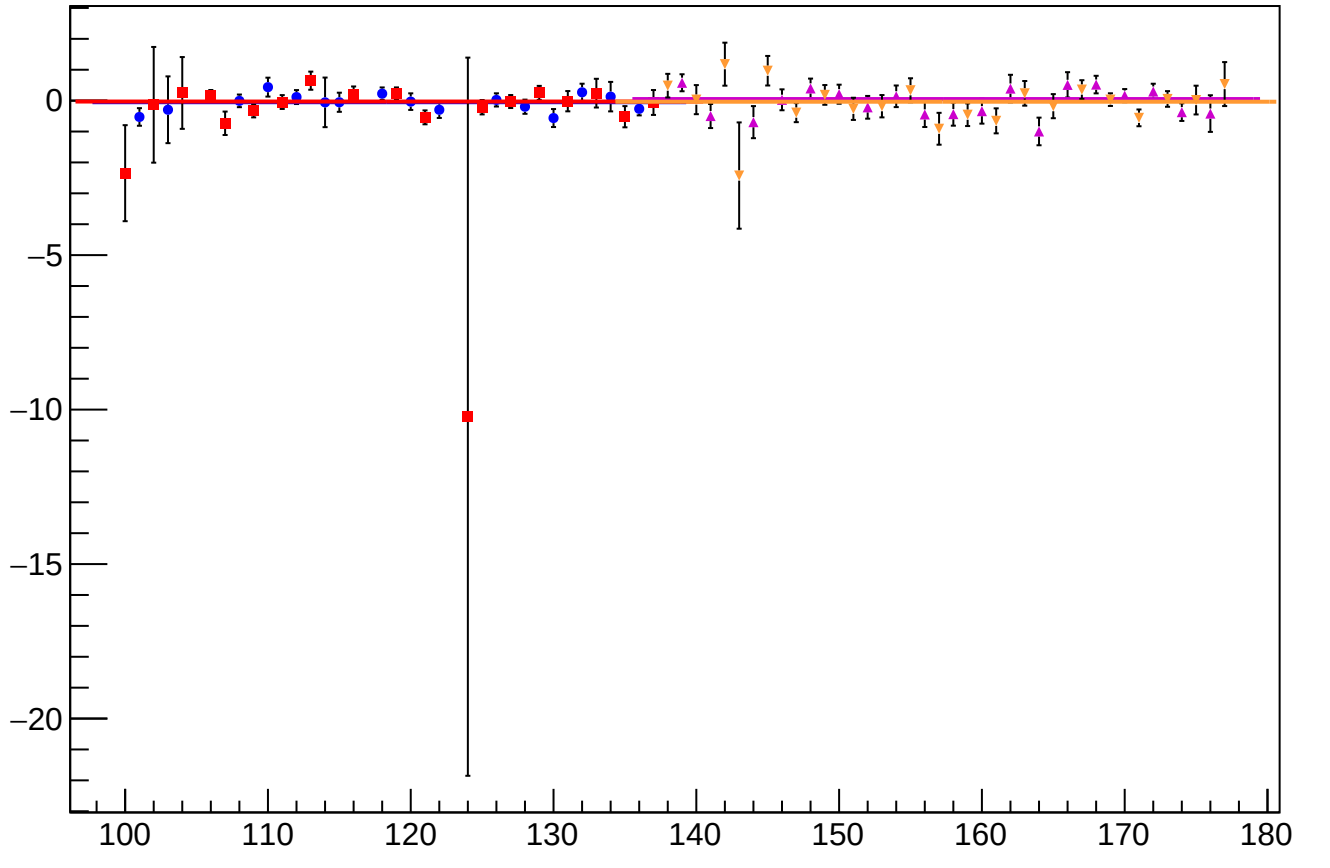
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:4807516.3/18

+ sign 0.007+/-0.000 χ^2/NDF: 10080498.9/36

All: 0.007+/-0.000 χ^2/NDF: 18020917.1/74

- sign 0.007+/-0.000 χ^2/NDF: 7936372.6/37



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.079 χ^2/NDF:27.9/20

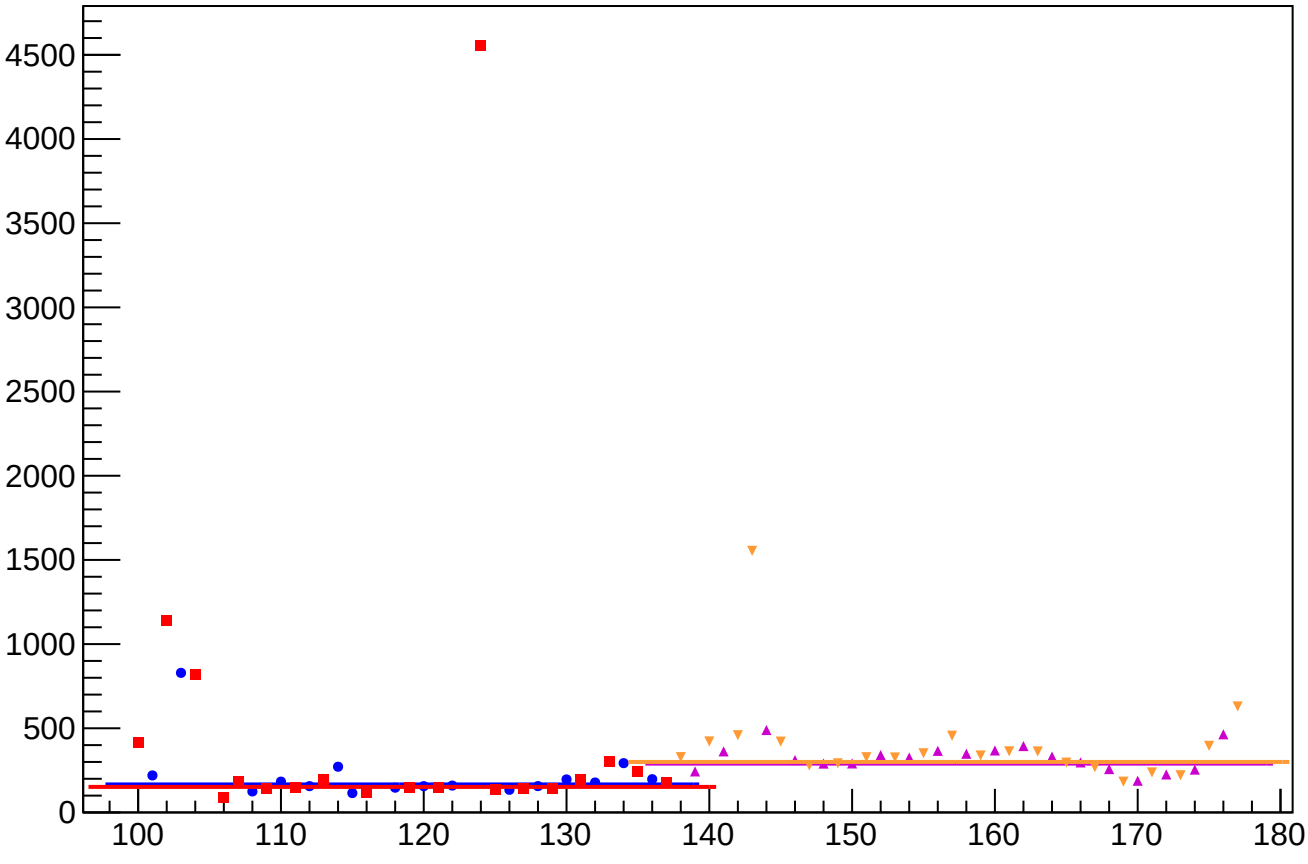
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.051+/-0.077 χ^2/NDF:28.0/18

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/36

All: -0.020+/-0.035 χ^2/NDF: 99.4/74

- sign 0.004+/-0.049 χ^2/NDF: 56.2/37



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 300.025+/-0.056 χ^2/NDF:3295533.2/20

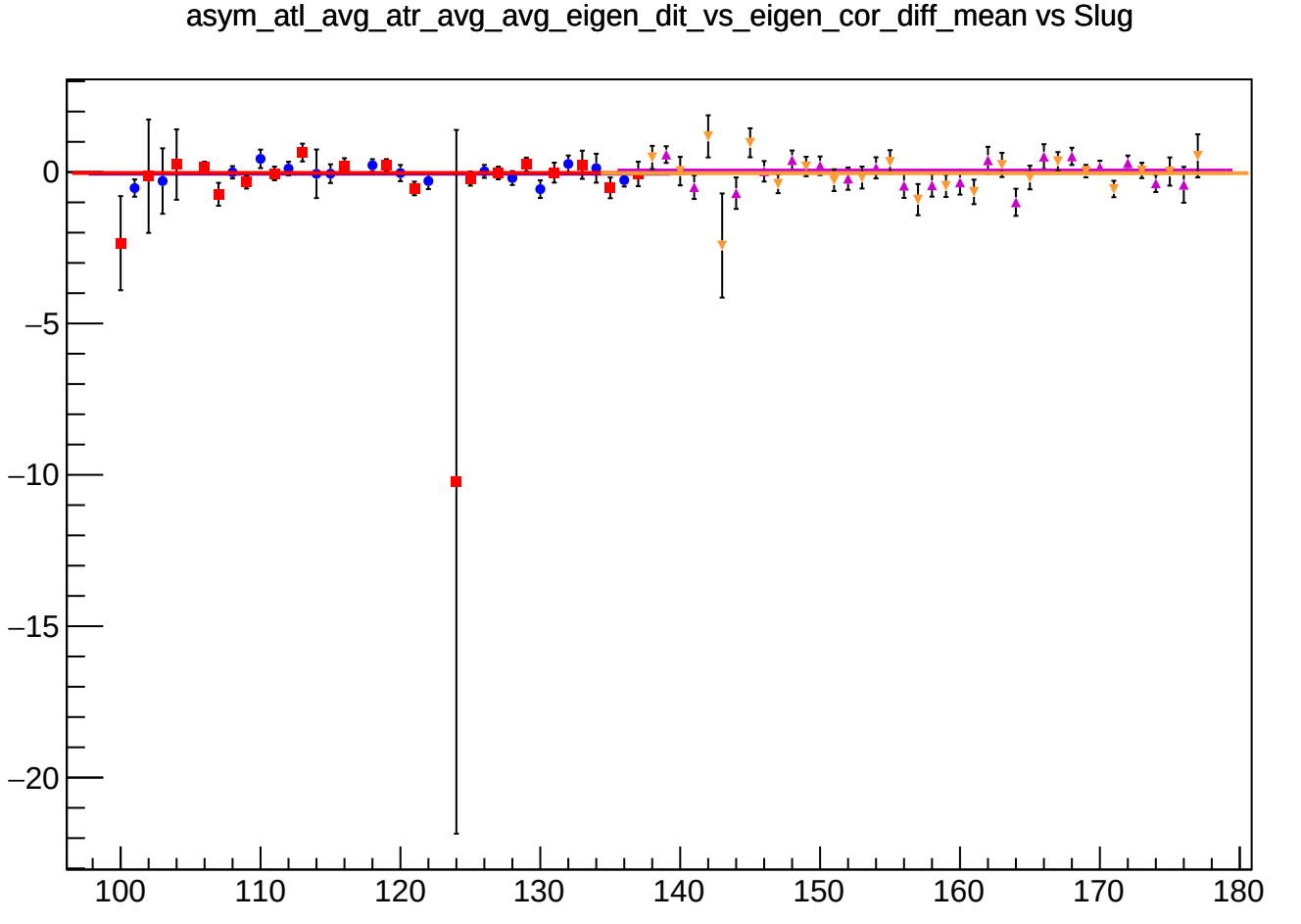
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 290.148+/-0.054 χ^2/NDF:1625005.2/18

+ sign 222.165+/-0.036 χ^2/NDF: 7928832.7/36

All: 215.027+/-0.025 χ^2/NDF: 15764473.9/74

- sign 208.358+/-0.035 χ^2/NDF: 7759638.5/37



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-0.079 χ^2/NDF:27.9/20

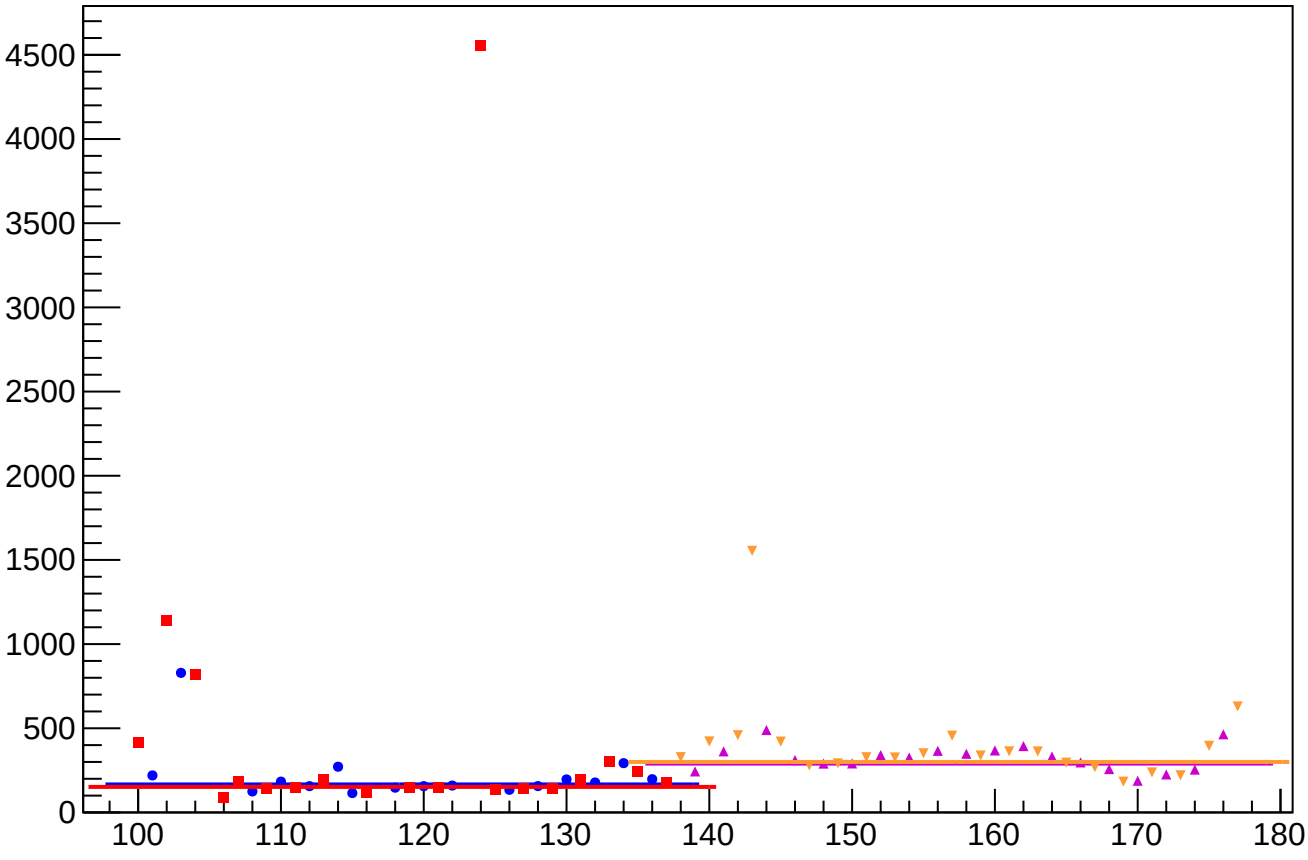
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.051+/-0.077 χ^2/NDF:28.0/18

+ sign -0.044+/-0.051 χ^2/NDF: 42.8/36

All: -0.020+/-0.035 χ^2/NDF: 99.4/74

- sign 0.004+/-0.049 χ^2/NDF: 56.2/37



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 300.025+/-0.056 χ^2/NDF:3295533.2/20

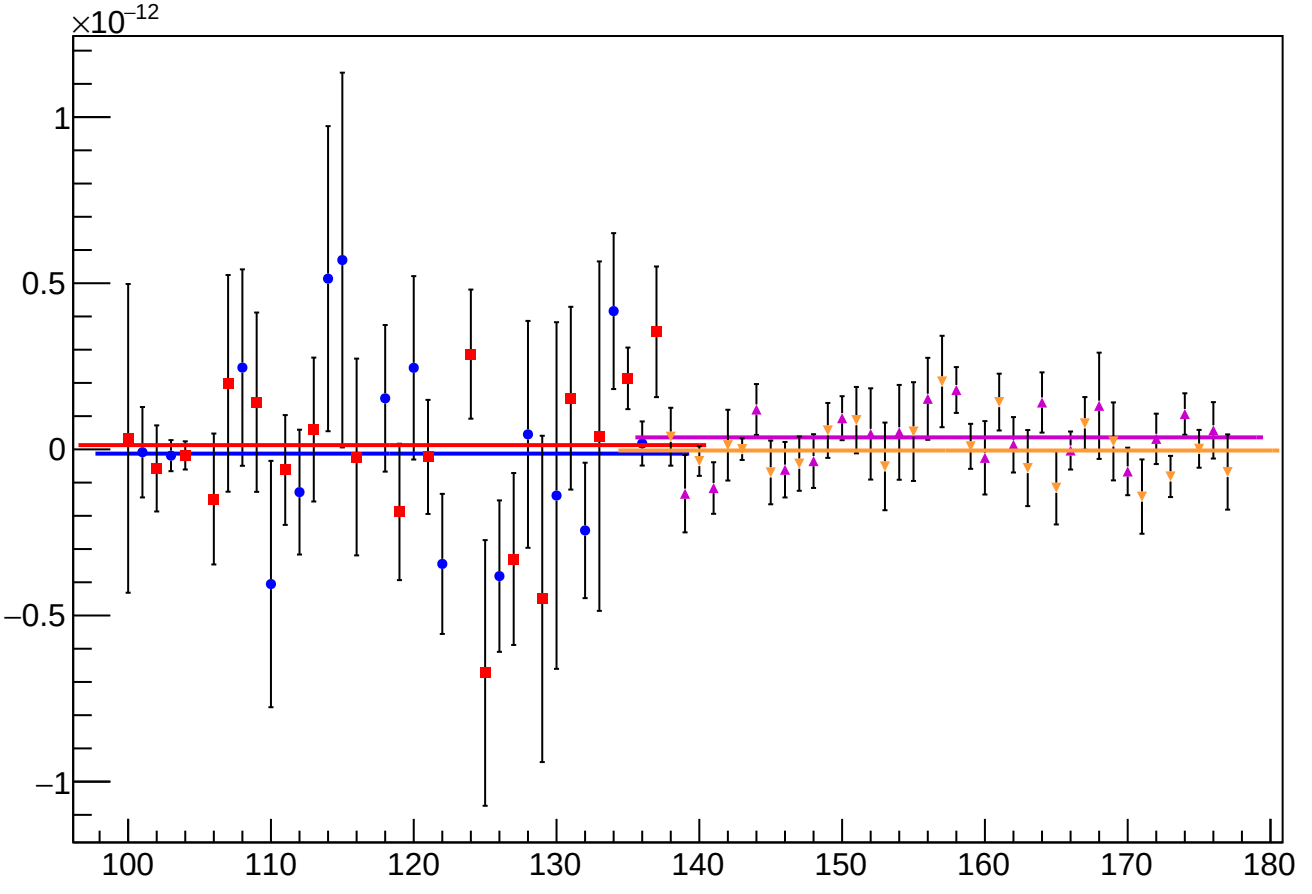
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 290.148+/-0.054 χ^2/NDF:1625005.2/18

+ sign 222.165+/-0.036 χ^2/NDF: 7928832.7/36

All: 215.027+/-0.025 χ^2/NDF: 15764473.9/74

- sign 208.358+/-0.035 χ^2/NDF: 7759638.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/20

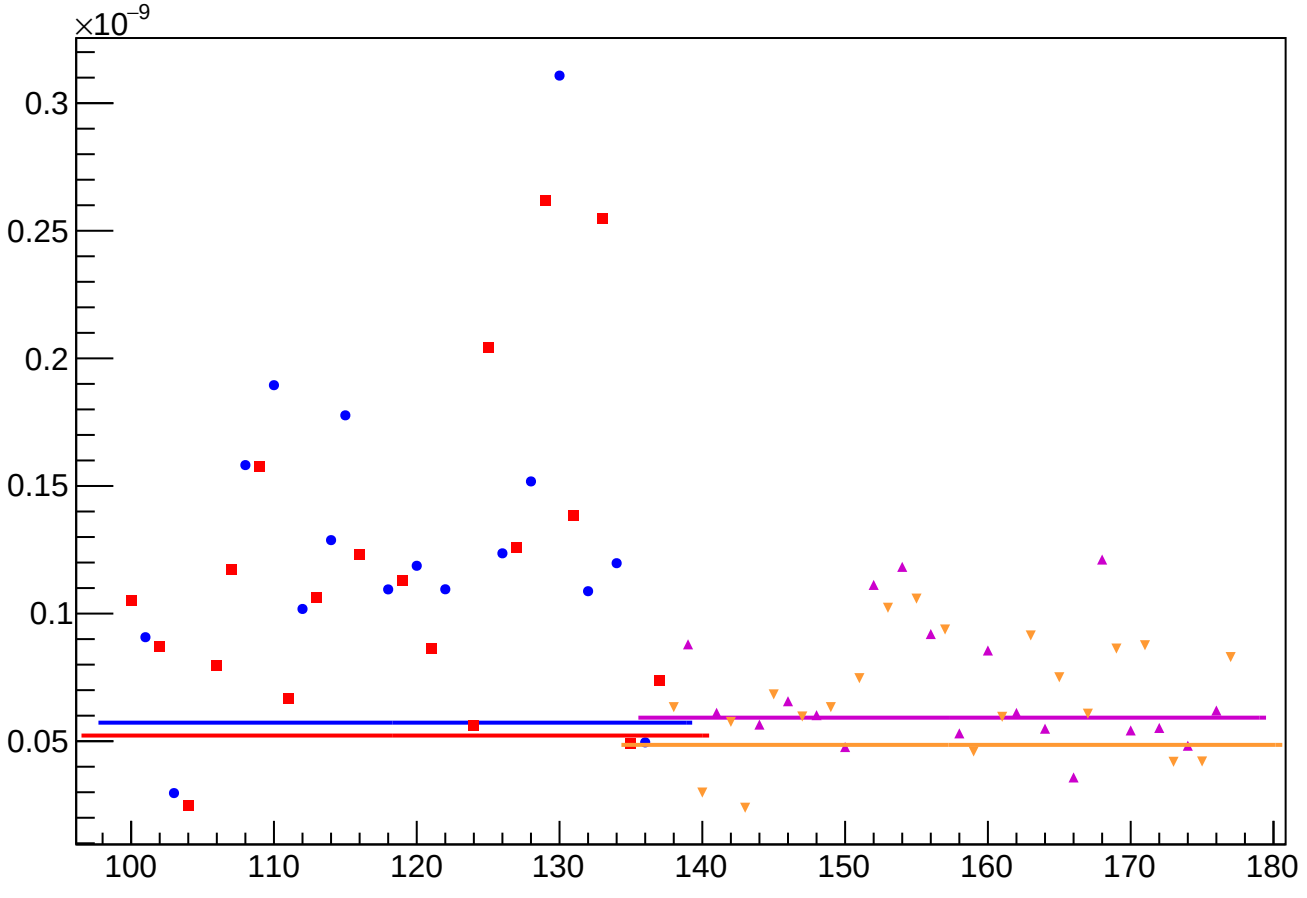
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/36

All: 0.000+/-0.000 χ^2/NDF: 73.4/74

- sign 0.000+/-0.000 χ^2/NDF: 40.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3895195.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

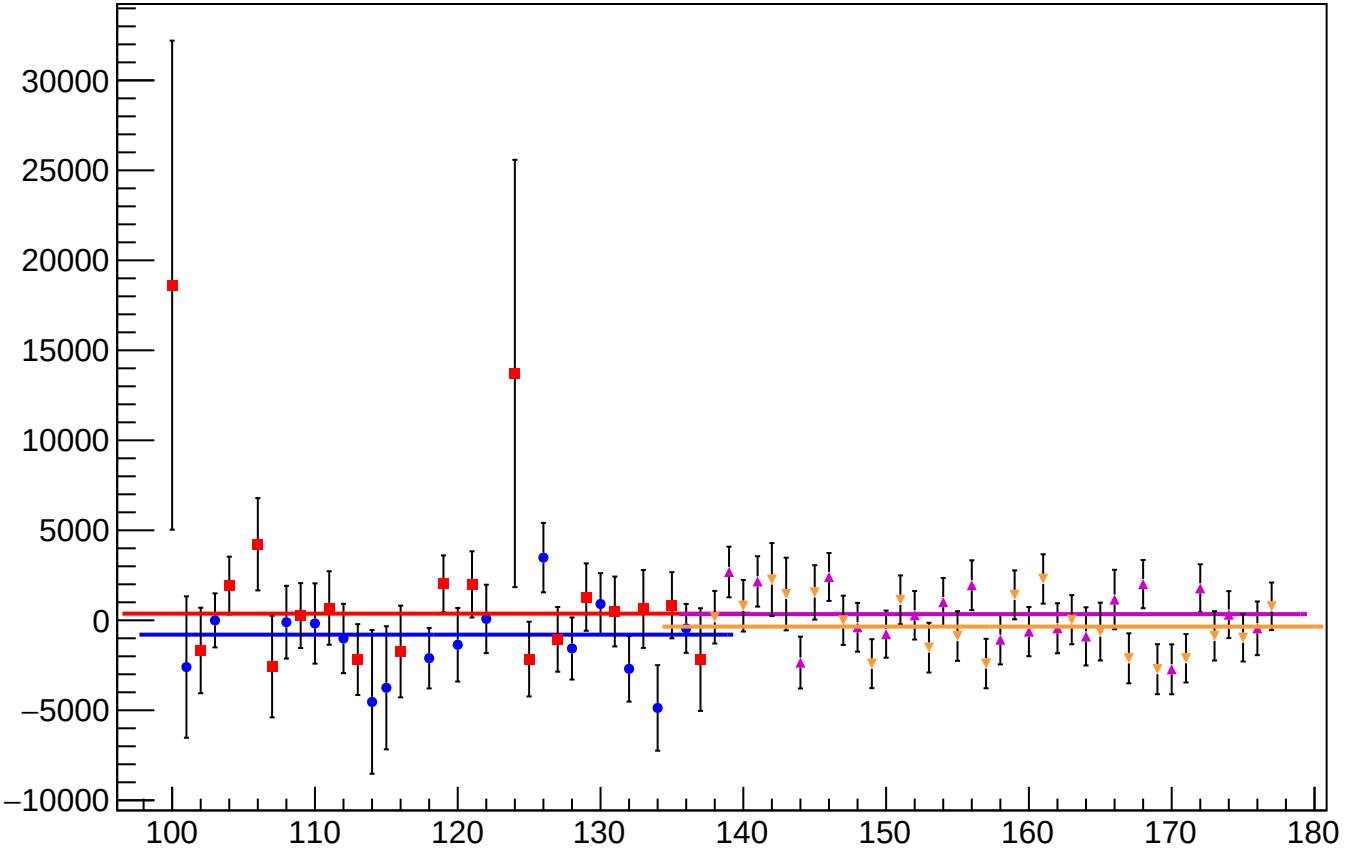
Left In: 0.000+/-0.000 χ^2/NDF:1819773.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 6990731.6/36

All: 0.000+/-0.000 χ^2/NDF: 12381924.7/74

- sign 0.000+/-0.000 χ^2/NDF: 5180190.2/37

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -351.151+/-310.829 χ^2/NDF:24.3/20

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

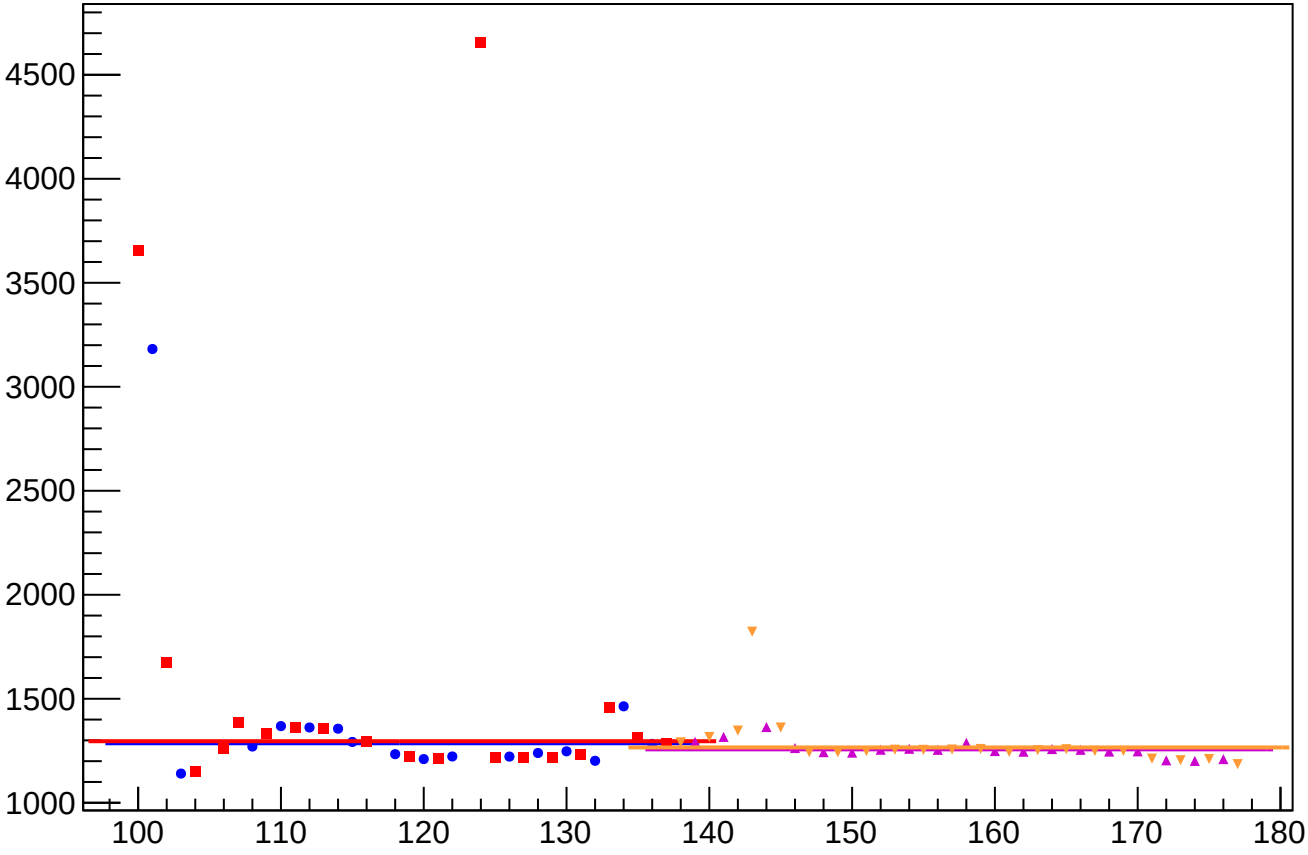
Left In: 344.707+/-318.942 χ^2/NDF:23.6/18

+ sign -480.115+/-262.081 χ^2/NDF: 38.3/36

All: -71.042+/-186.904 χ^2/NDF: 82.5/74

- sign 352.328+/-266.621 χ^2/NDF: 39.2/37

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

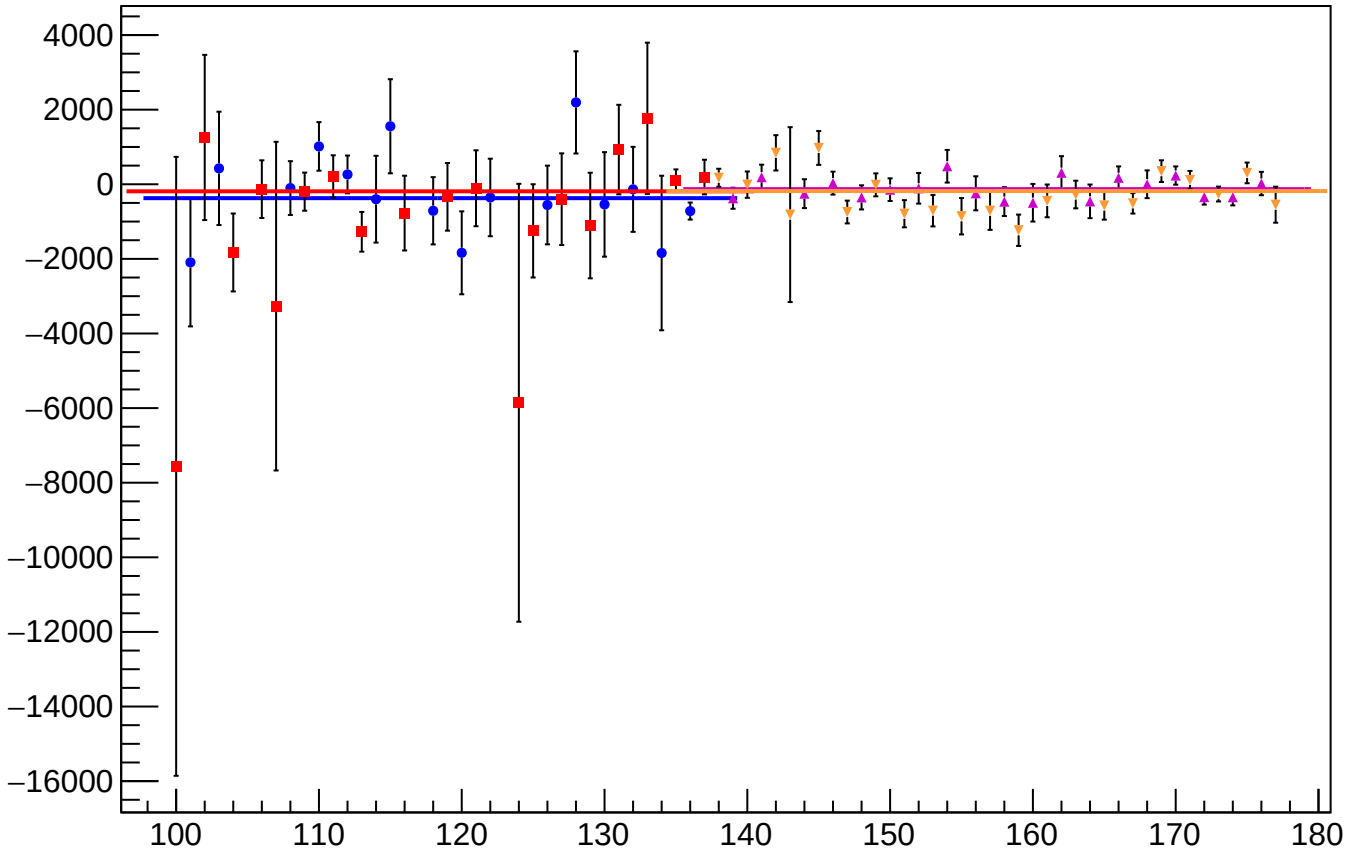
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1271.773+/-0.185 χ^2/NDF: 708381.0/36

All: 1270.208+/-0.132 χ^2/NDF: 1072554.8/74

- sign 1268.589+/-0.189 χ^2/NDF: 364028.8/37



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -181.967+/-73.159 χ^2/NDF:42.5/20

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

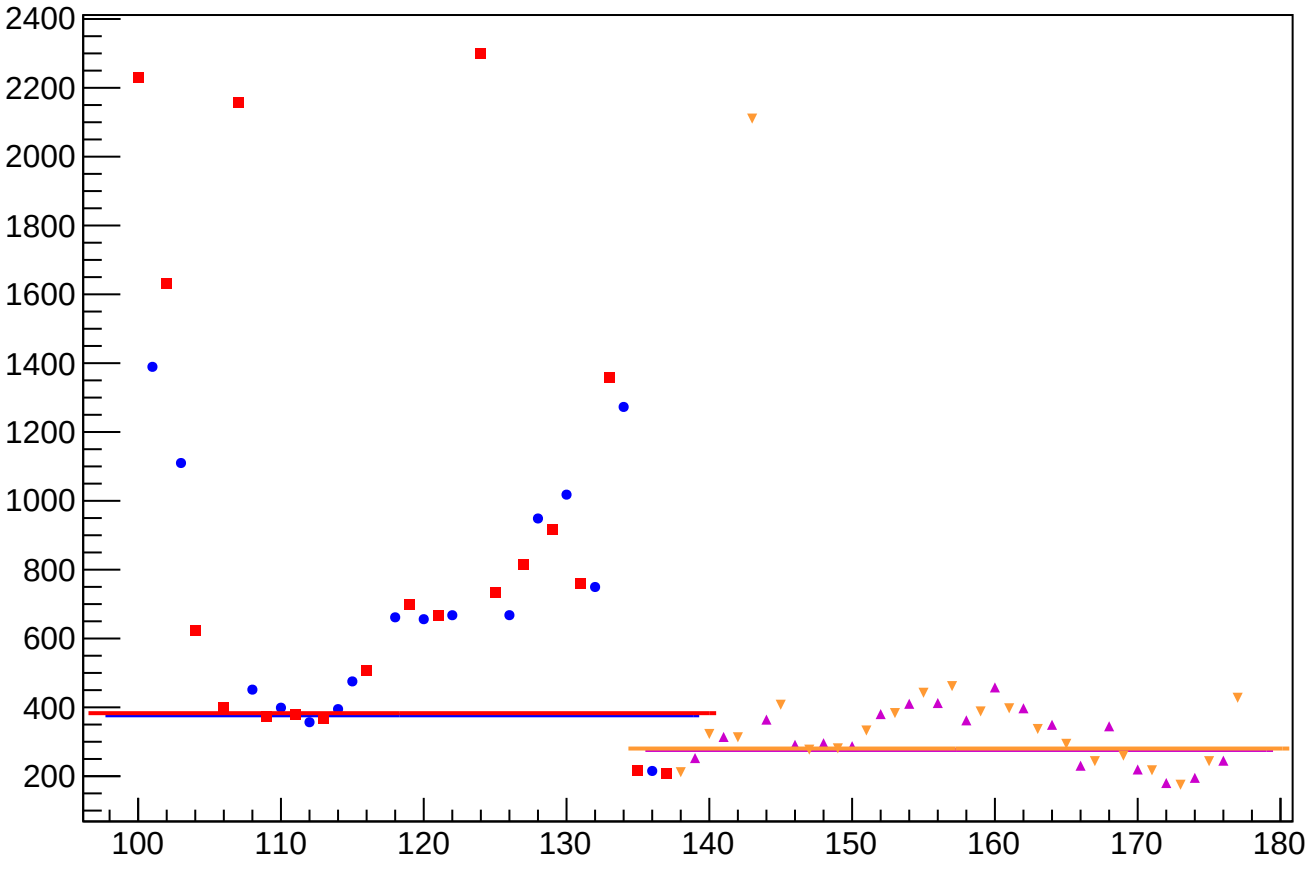
Left In: -129.752+/-73.266 χ^2/NDF:13.0/18

+ sign -212.250+/-67.088 χ^2/NDF: 61.7/36

All: -175.748+/-47.498 χ^2/NDF: 90.1/74

- sign -139.064+/-67.257 χ^2/NDF: 27.7/37

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: 280.319+/-0.052 χ^2/NDF:3492094.4/20

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

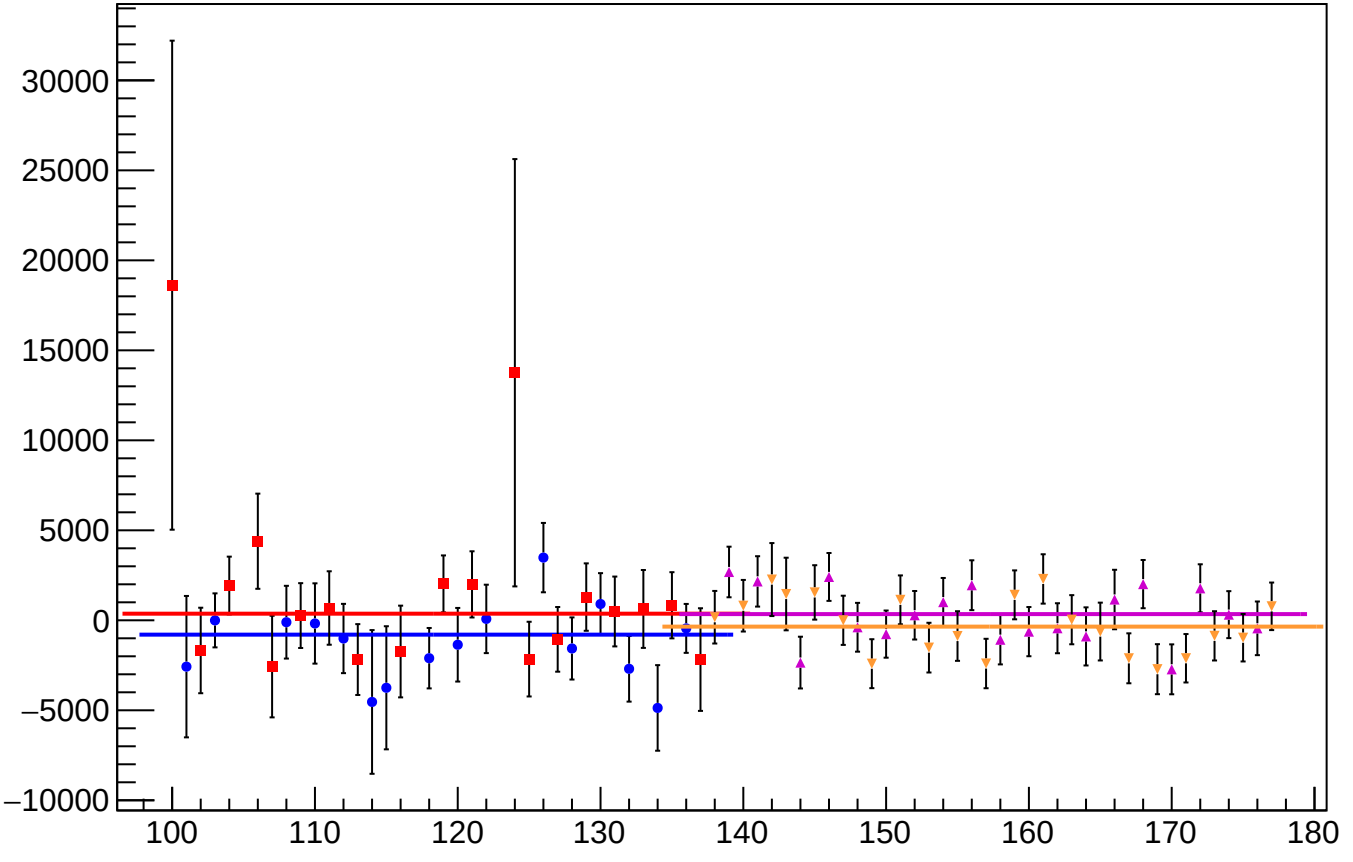
Left In: 276.202+/-0.052 χ^2/NDF:2186294.9/18

+ sign 295.682+/-0.047 χ^2/NDF: 8236701.7/36

All: 294.351+/-0.034 χ^2/NDF: 15148120.4/74

- sign 293.014+/-0.048 χ^2/NDF: 6909840.8/37

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -351.144+/-310.829 χ^2/NDF:24.3/20

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

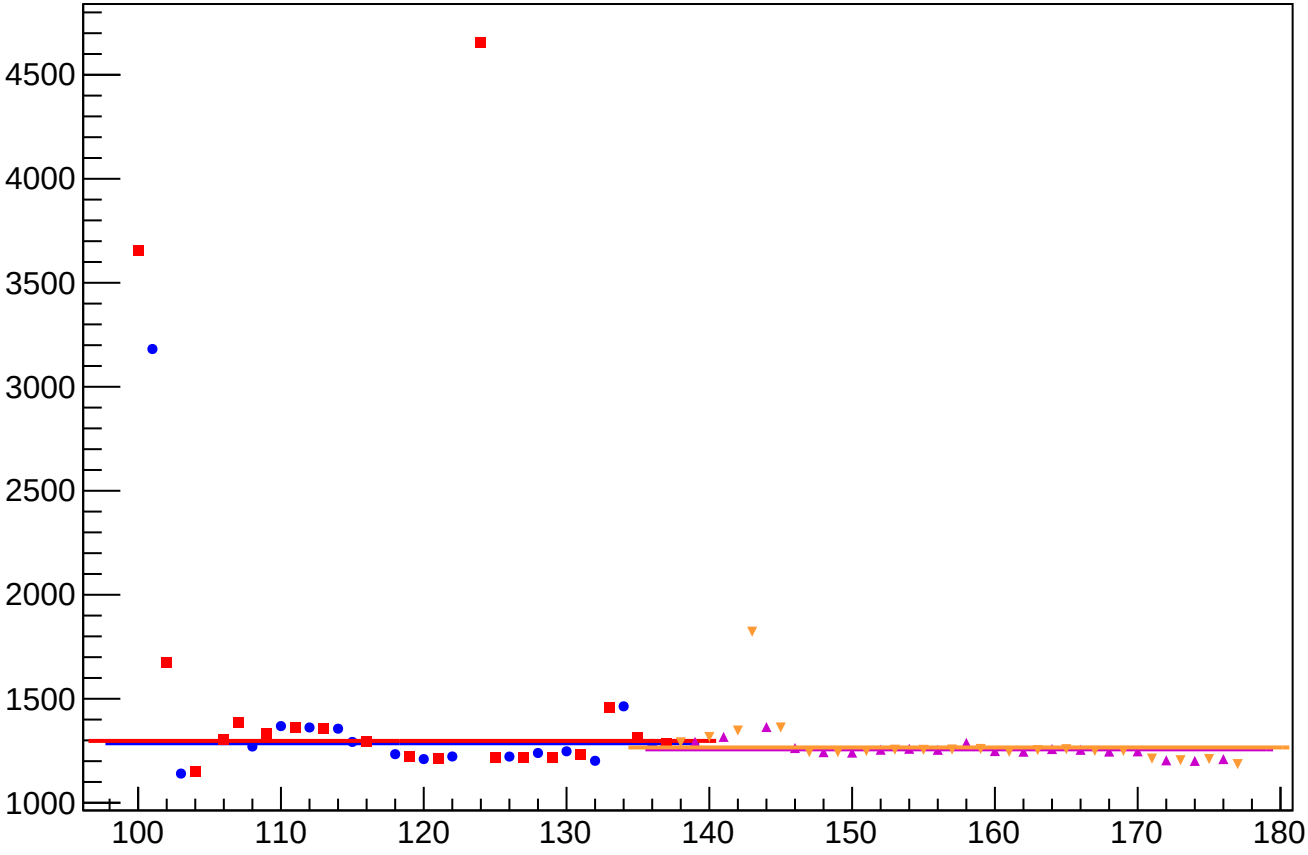
Left In: 344.660+/-318.942 χ^2/NDF:23.6/18

+ sign -479.994+/-262.081 χ^2/NDF: 38.3/36

All: -71.511+/-186.933 χ^2/NDF: 82.5/74

- sign 351.521+/-266.707 χ^2/NDF: 39.3/37

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

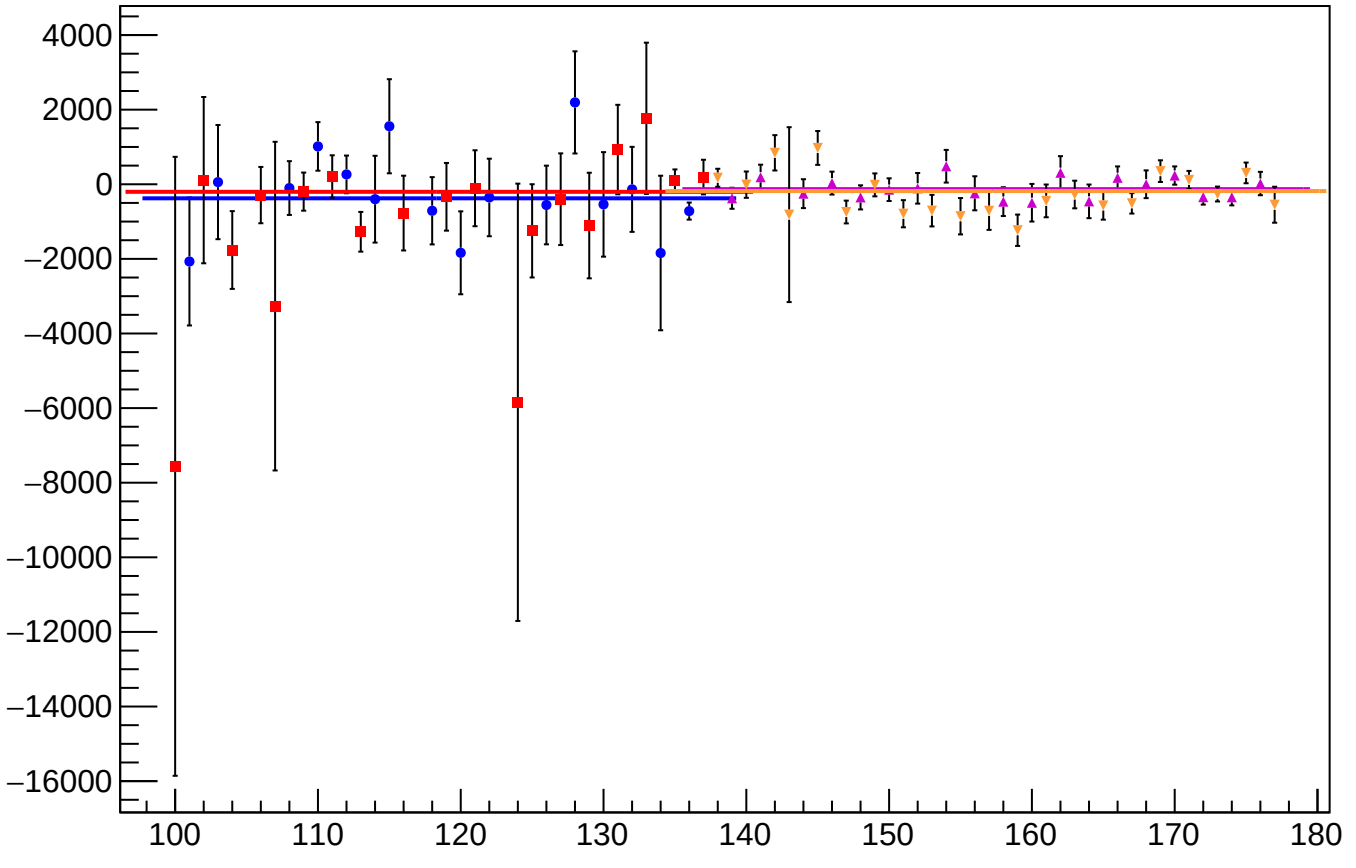
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1271.773+/-0.185 χ^2/NDF: 708382.4/36

All: 1270.414+/-0.132 χ^2/NDF: 1072862.7/74

- sign 1269.008+/-0.189 χ^2/NDF: 364371.0/37



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -181.964+/-73.161 χ^2/NDF:42.5/20

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

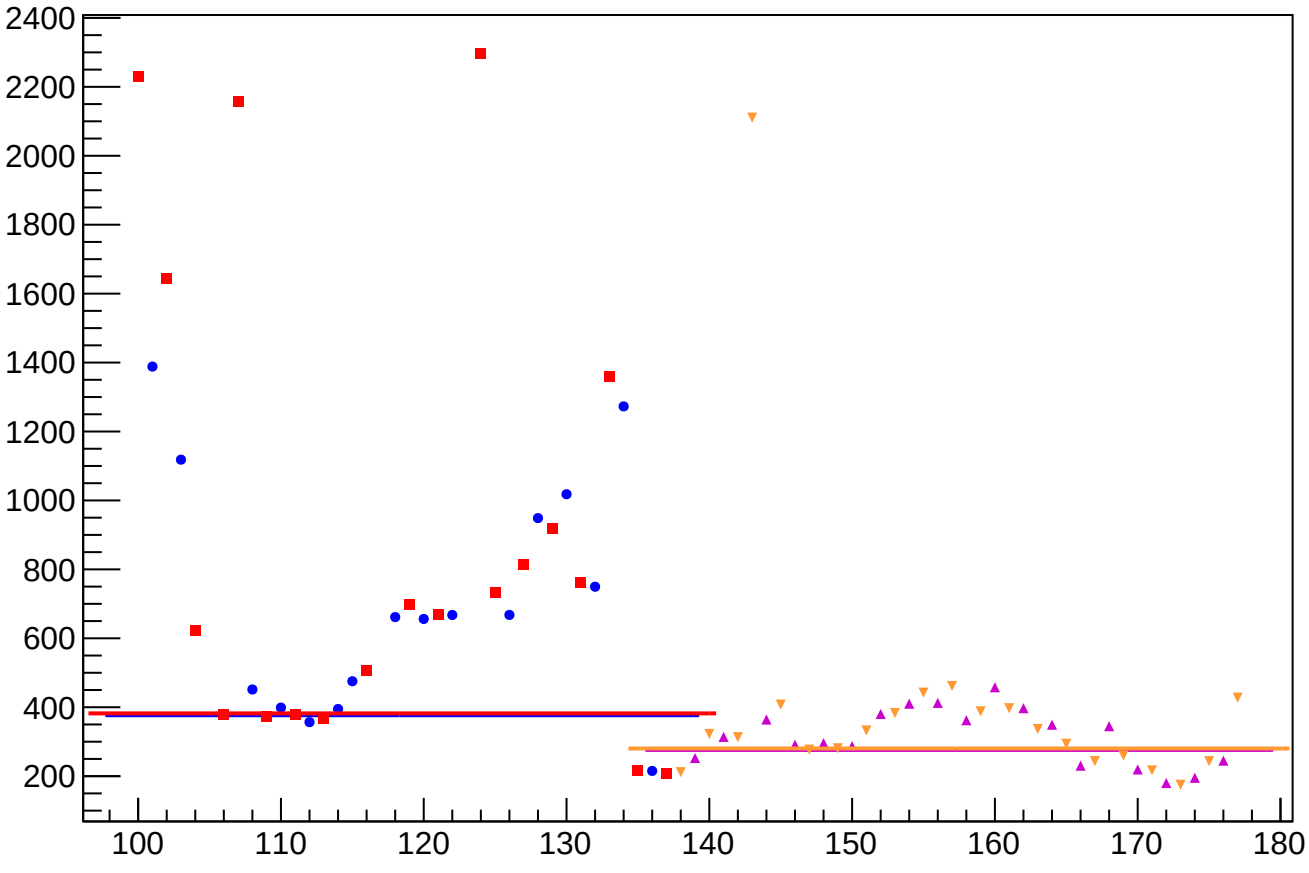
Left In: -129.837+/-73.267 χ^2/NDF:13.0/18

+ sign -212.949+/-67.091 χ^2/NDF: 61.6/36

All: -177.174+/-47.495 χ^2/NDF: 89.3/74

- sign -141.234+/-67.246 χ^2/NDF: 27.2/37

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: 280.328+/-0.052 χ^2/NDF:3491796.3/20

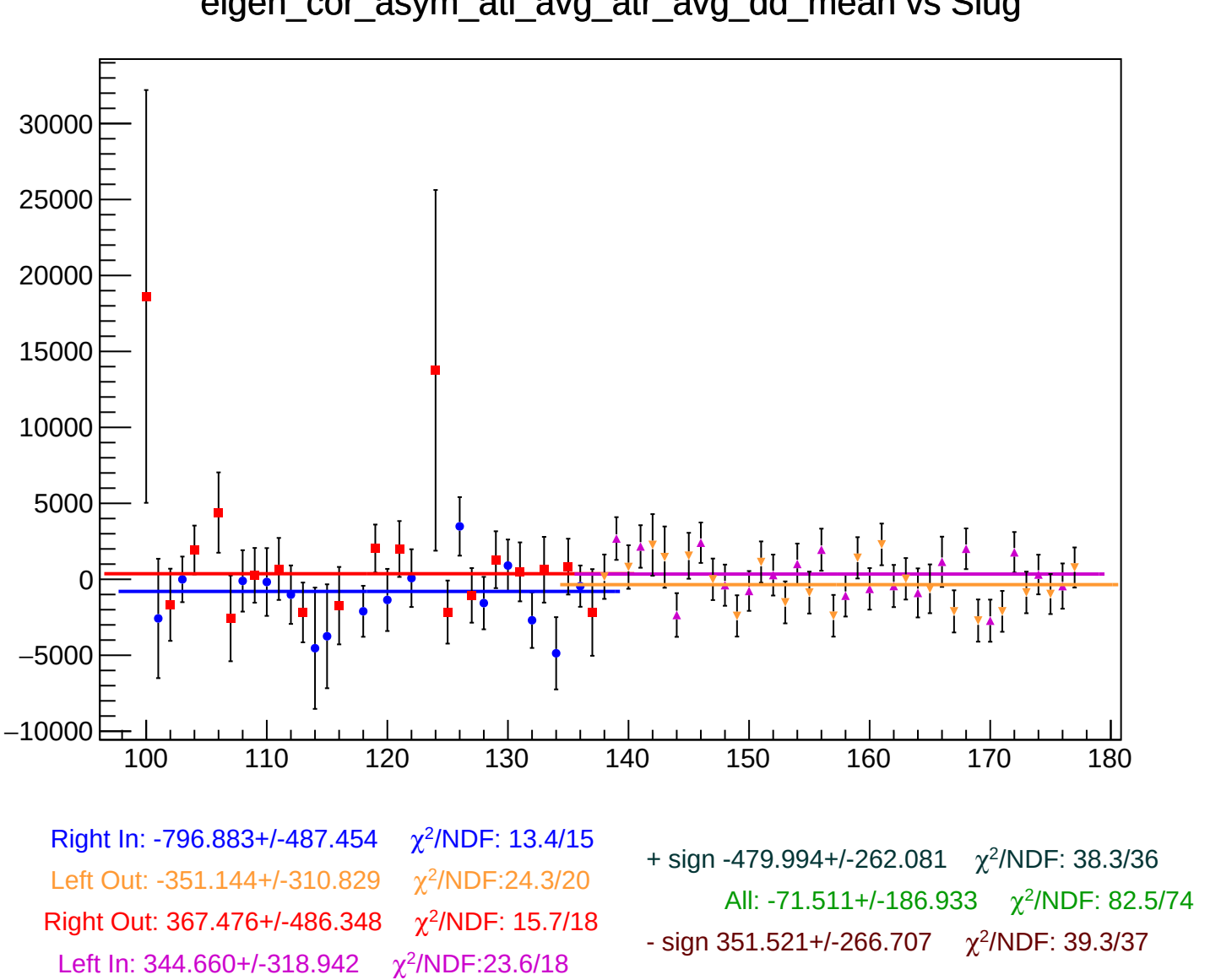
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

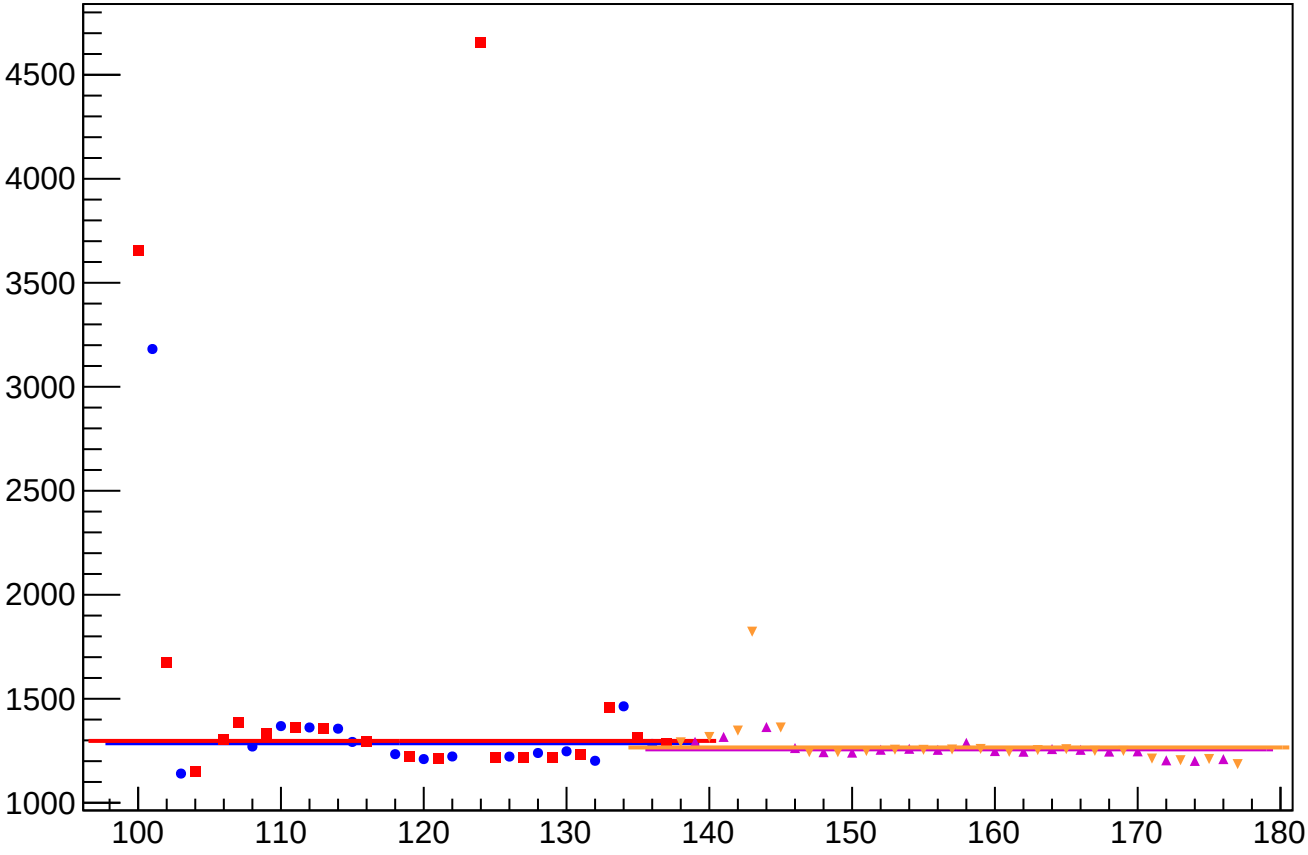
+ sign 295.686+/-0.047 χ^2/NDF: 8239213.7/36

All: 294.299+/-0.034 χ^2/NDF: 15145581.6/74

- sign 292.905+/-0.048 χ^2/NDF: 6904653.3/37


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -351.144+/-310.829 χ²/NDF:24.3/20
Right Out: 367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 344.660+/-318.942 χ²/NDF:23.6/18
+ sign -479.994+/-262.081 χ²/NDF: 38.3/36
All: -71.511+/-186.933 χ²/NDF: 82.5/74
- sign 351.521+/-266.707 χ²/NDF: 39.3/37

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: 1265.948+/-0.220 χ^2/NDF:187824.7/20

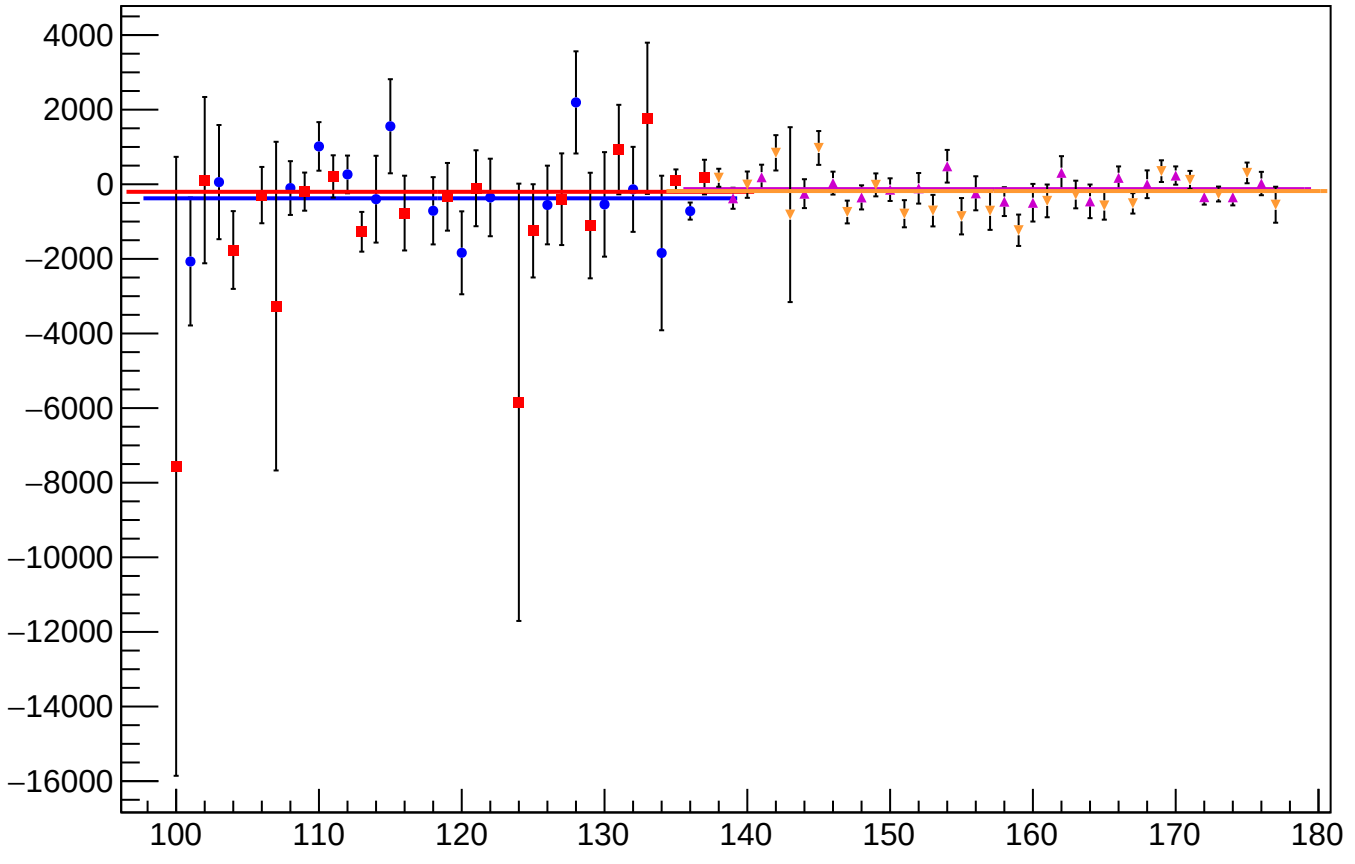
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1271.773+/-0.185 χ^2/NDF: 708382.4/36

All: 1270.414+/-0.132 χ^2/NDF: 1072862.7/74

- sign 1269.008+/-0.189 χ^2/NDF: 364371.0/37



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -181.964+/-73.161 χ^2/NDF:42.5/20

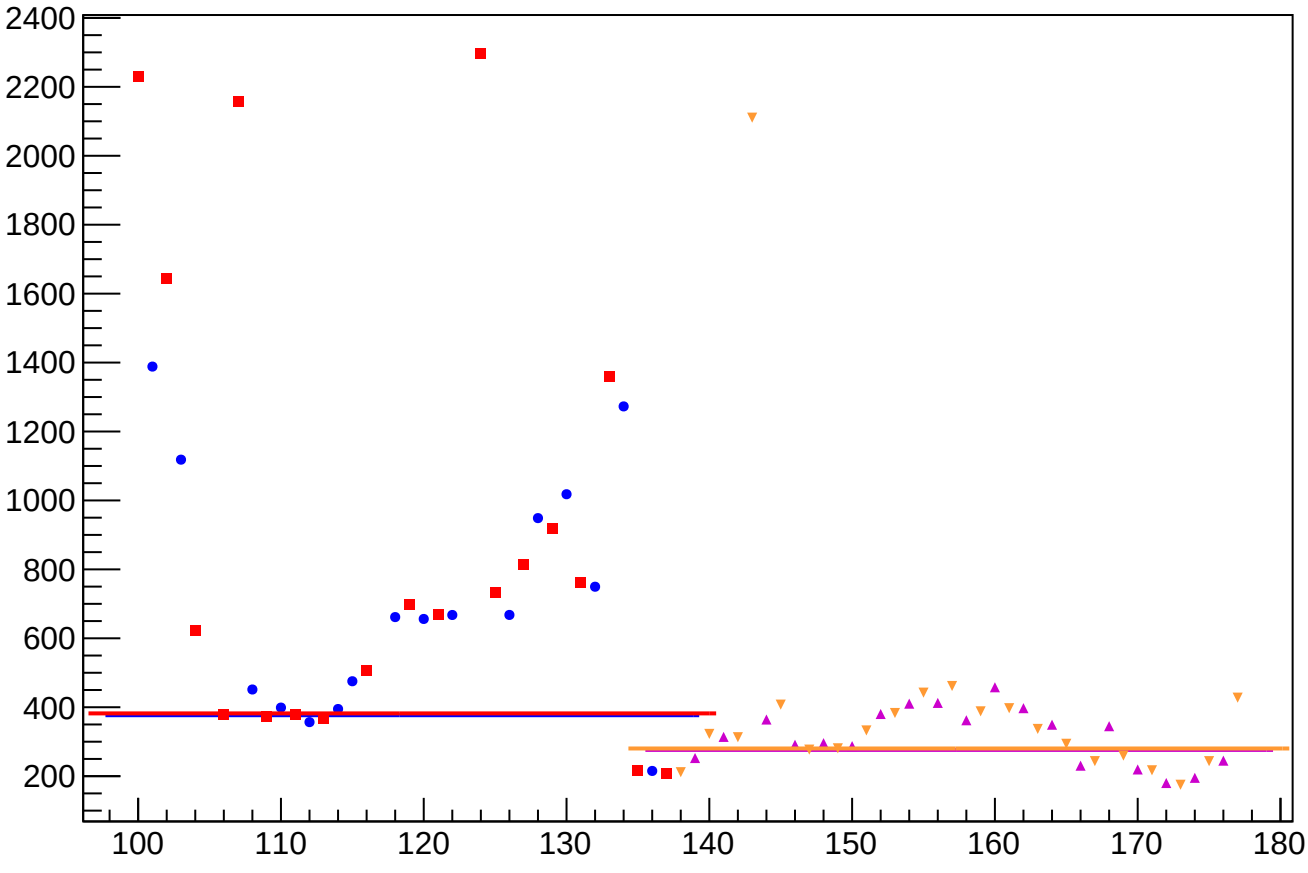
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -129.837+/-73.267 χ^2/NDF:13.0/18

+ sign -212.949+/-67.091 χ^2/NDF: 61.6/36

All: -177.174+/-47.495 χ^2/NDF: 89.3/74

- sign -141.234+/-67.246 χ^2/NDF: 27.2/37



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 280.328+/-0.052 χ^2/NDF:3491796.3/20

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

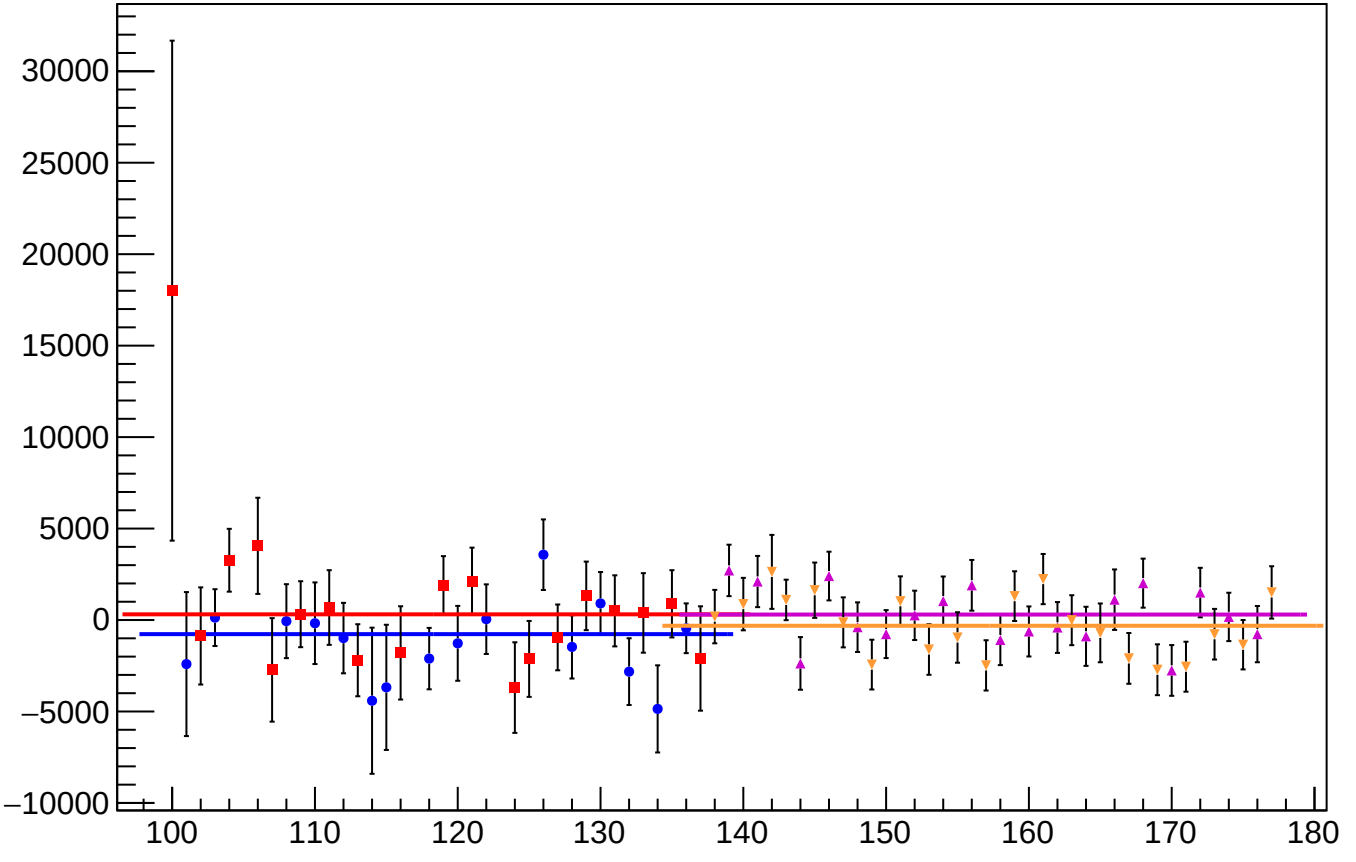
Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

+ sign 295.686+/-0.047 χ^2/NDF: 8239213.7/36

All: 294.299+/-0.034 χ^2/NDF: 15145581.6/74

- sign 292.905+/-0.048 χ^2/NDF: 6904653.3/37

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -313.387+/-304.686 χ^2/NDF:27.8/20

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

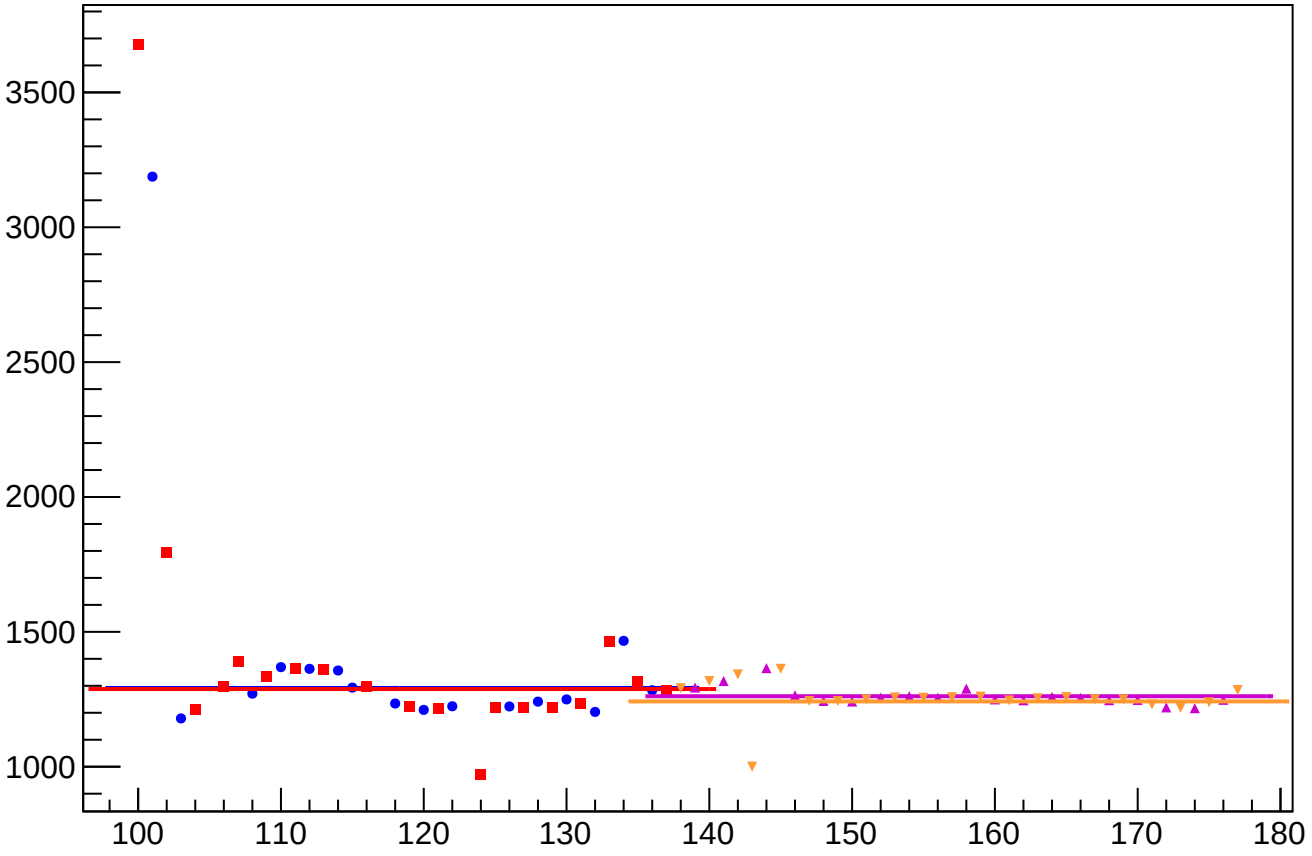
Left In: 299.204+/-320.057 χ^2/NDF:23.4/18

+ sign -441.274+/-258.685 χ^2/NDF: 42.1/36

All: -80.572+/-185.699 χ^2/NDF: 87.4/74

- sign 302.935+/-266.737 χ^2/NDF: 41.3/37

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1242.063+/-0.215 χ^2/NDF:124763.8/20

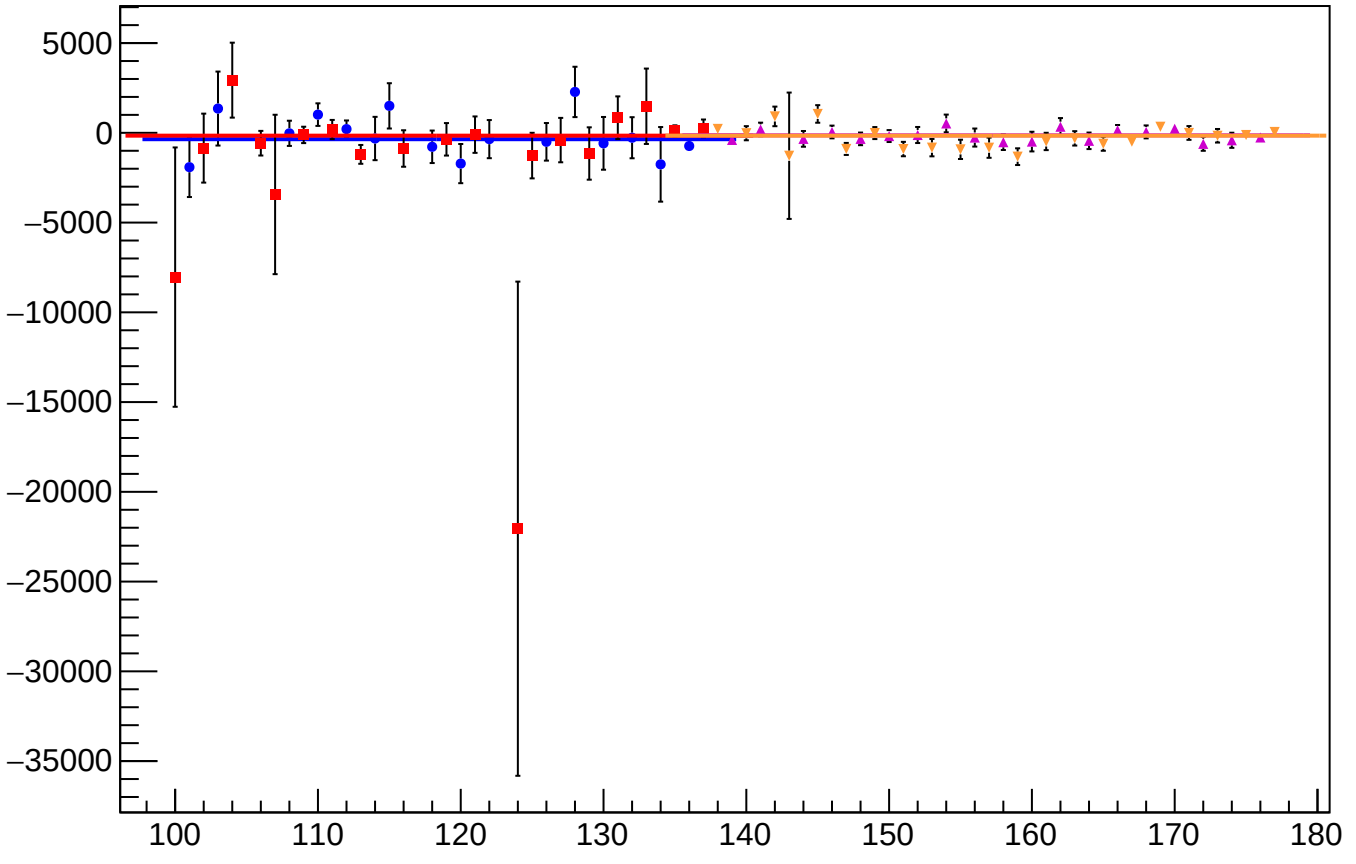
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.294+/-0.226 χ^2/NDF:21597.9/18

+ sign 1256.014+/-0.183 χ^2/NDF: 649190.8/36

All: 1262.525+/-0.131 χ^2/NDF: 886861.0/74

- sign 1269.448+/-0.189 χ^2/NDF: 235056.0/37



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -157.443+/-69.193 χ^2/NDF:41.5/20

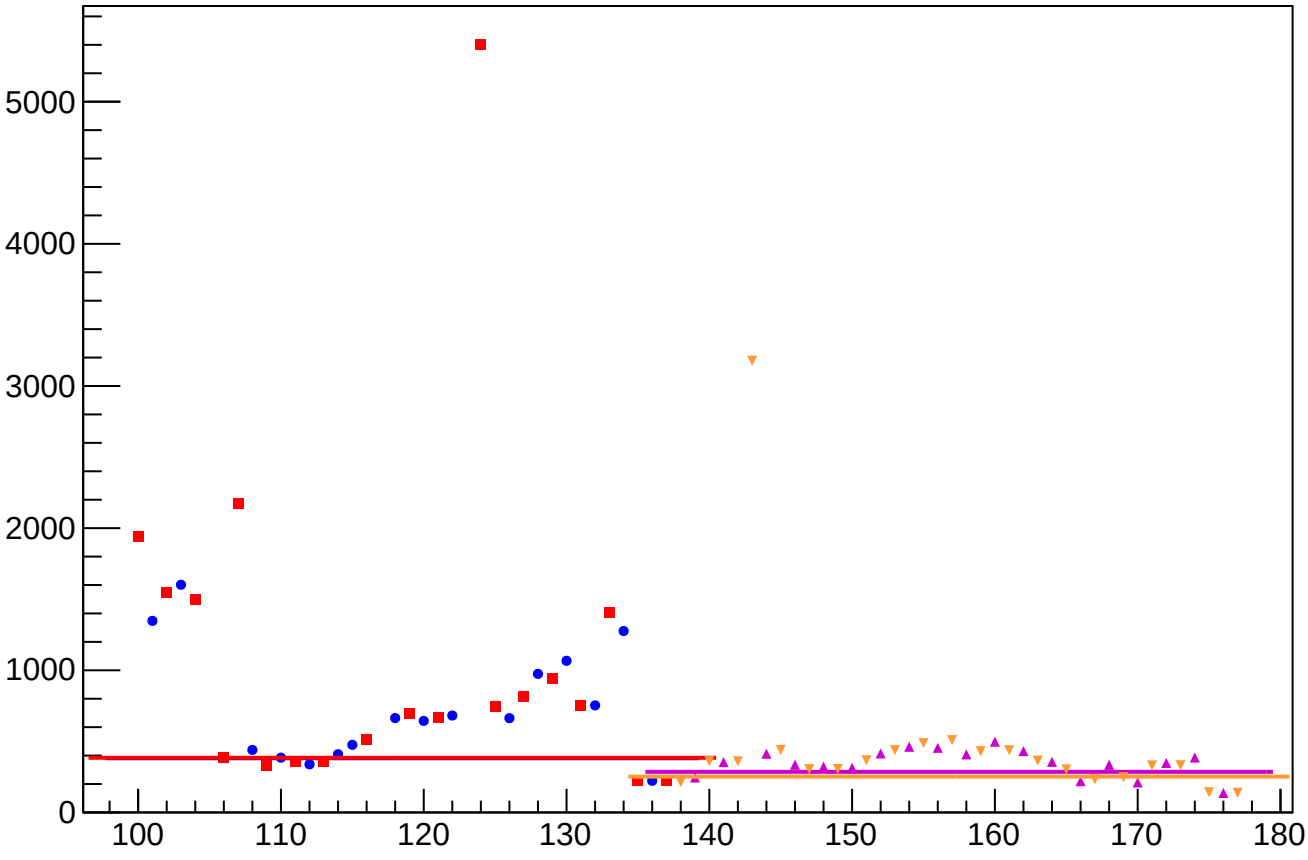
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -140.612+/-77.662 χ^2/NDF:13.0/18

+ sign -185.561+/-64.087 χ^2/NDF: 61.1/36

All: -166.614+/-47.457 χ^2/NDF: 90.2/74

- sign -143.611+/-70.615 χ^2/NDF: 28.8/37



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 252.063+/-0.049 χ^2/NDF:6277747.8/20

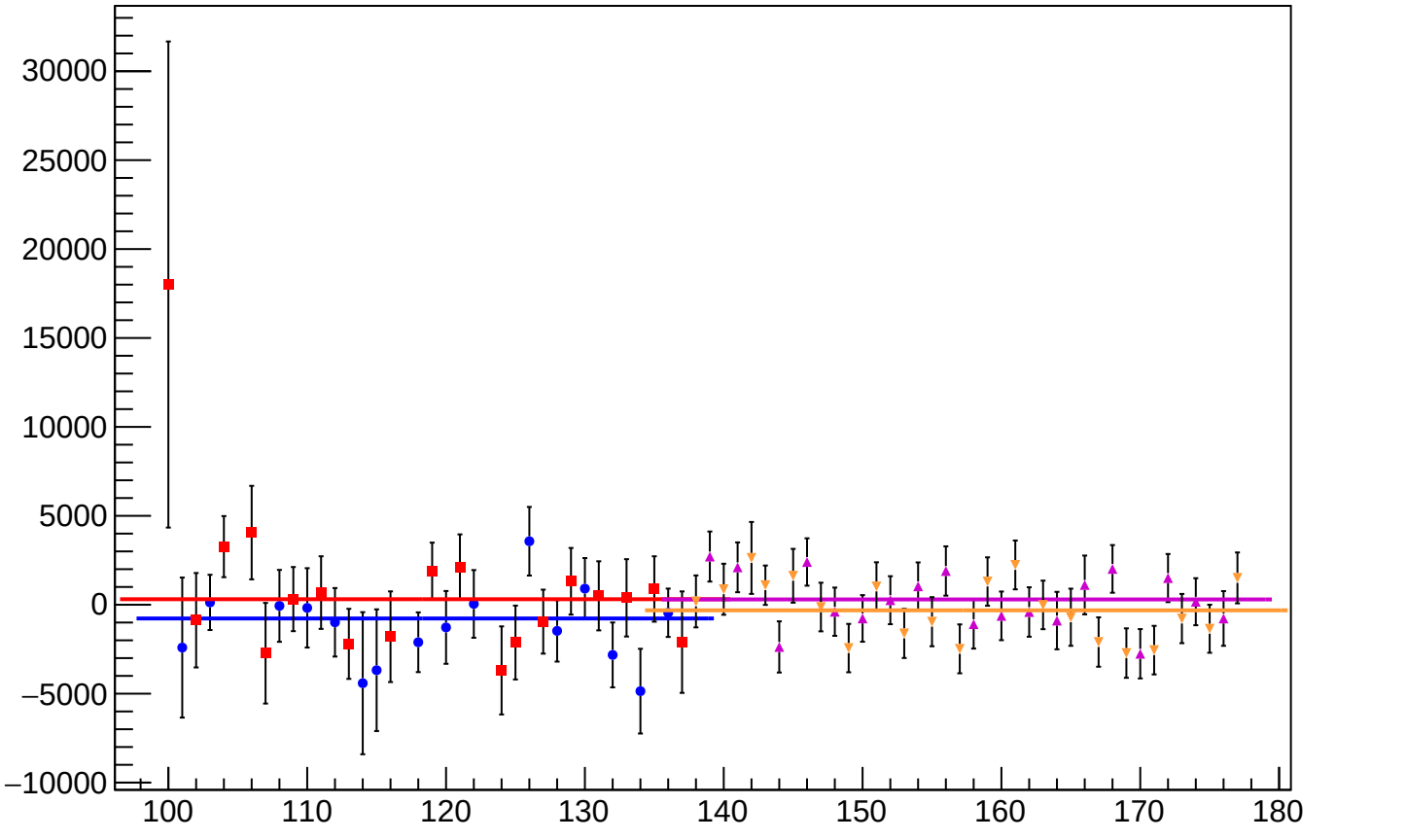
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 285.725+/-0.055 χ^2/NDF:3737837.6/18

+ sign 270.442+/-0.045 χ^2/NDF: 11588312.3/36

All: 285.085+/-0.034 χ^2/NDF: 20679659.1/74

- sign 302.862+/-0.050 χ^2/NDF: 8860190.6/37



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -313.386+/-304.686 χ^2/NDF:27.8/20

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

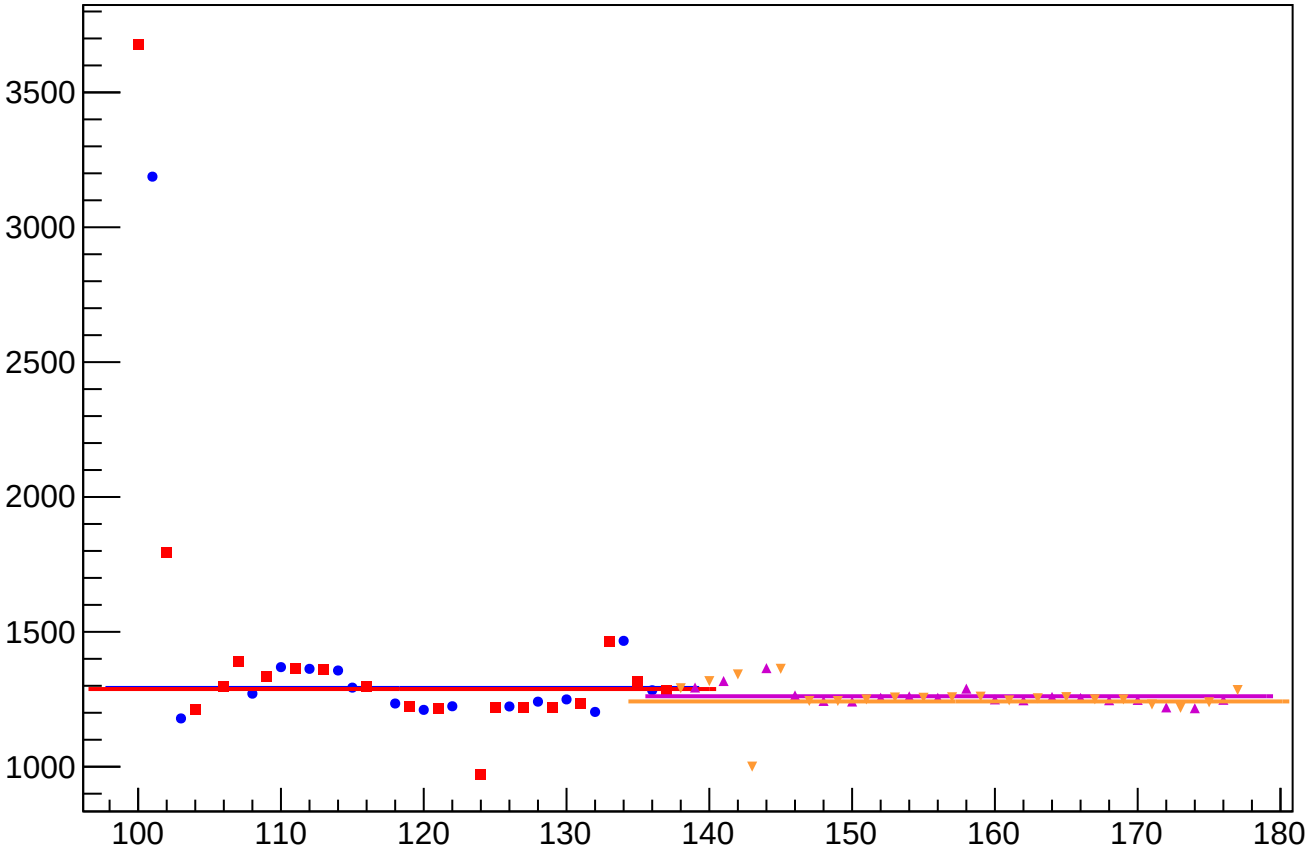
Left In: 299.204+/-320.057 χ^2/NDF:23.4/18

\+ sign -441.274+/-258.685 χ^2/NDF: 42.1/36

All: -80.572+/-185.699 χ^2/NDF: 87.4/74

\- sign 302.935+/-266.737 χ^2/NDF: 41.3/37

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: 1242.063+/-0.215 χ^2/NDF:124763.1/20

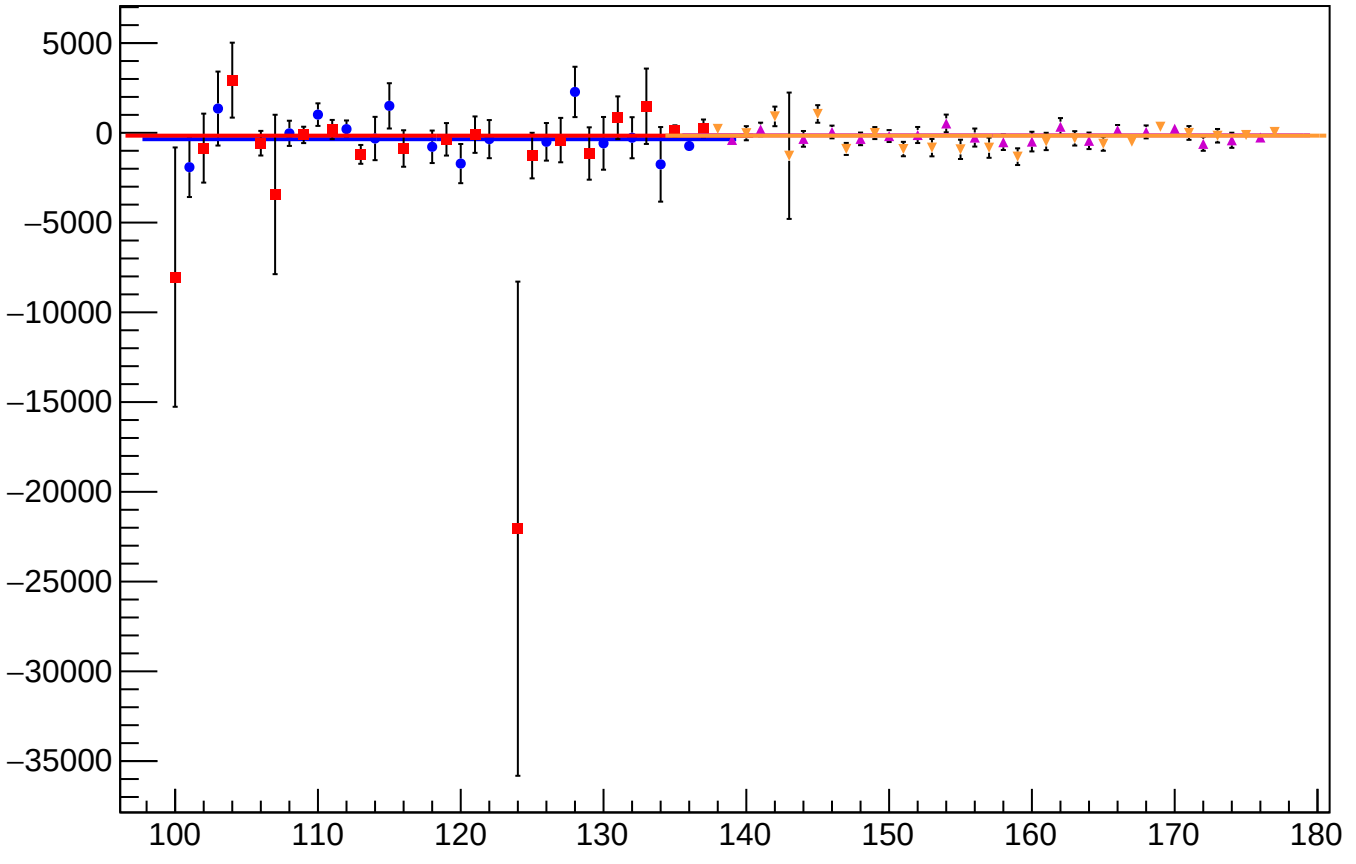
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.294+/-0.226 χ^2/NDF:21598.0/18

+ sign 1256.014+/-0.183 χ^2/NDF: 649190.0/36

All: 1262.525+/-0.131 χ^2/NDF: 886860.6/74

- sign 1269.447+/-0.189 χ^2/NDF: 235056.5/37



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -157.448+/-69.194 χ^2/NDF:41.5/20

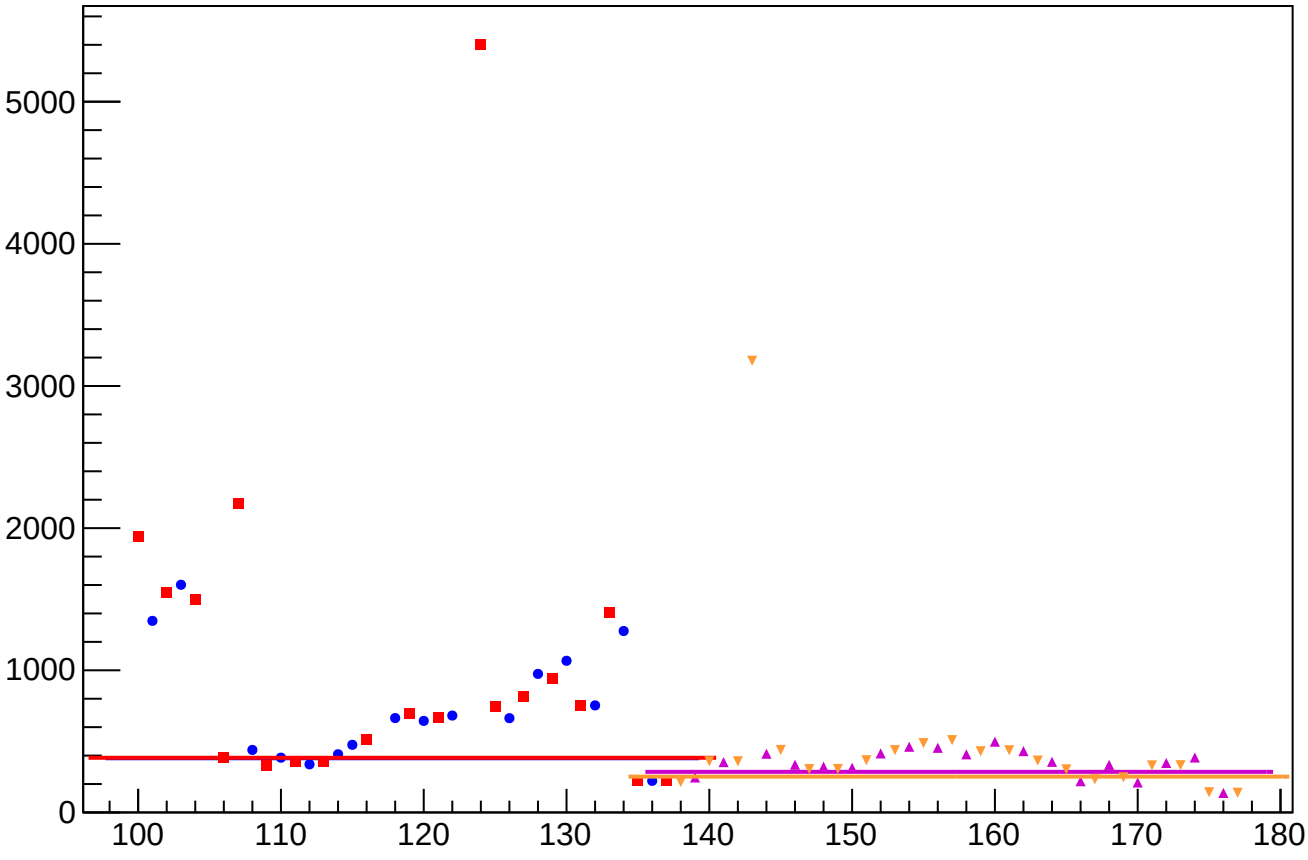
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -140.611+/-77.662 χ^2/NDF:13.0/18

+ sign -185.564+/-64.087 χ^2/NDF: 61.1/36

All: -166.616+/-47.457 χ^2/NDF: 90.2/74

- sign -143.611+/-70.616 χ^2/NDF: 28.8/37



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 252.065+/-0.049 χ^2/NDF:6277656.5/20

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

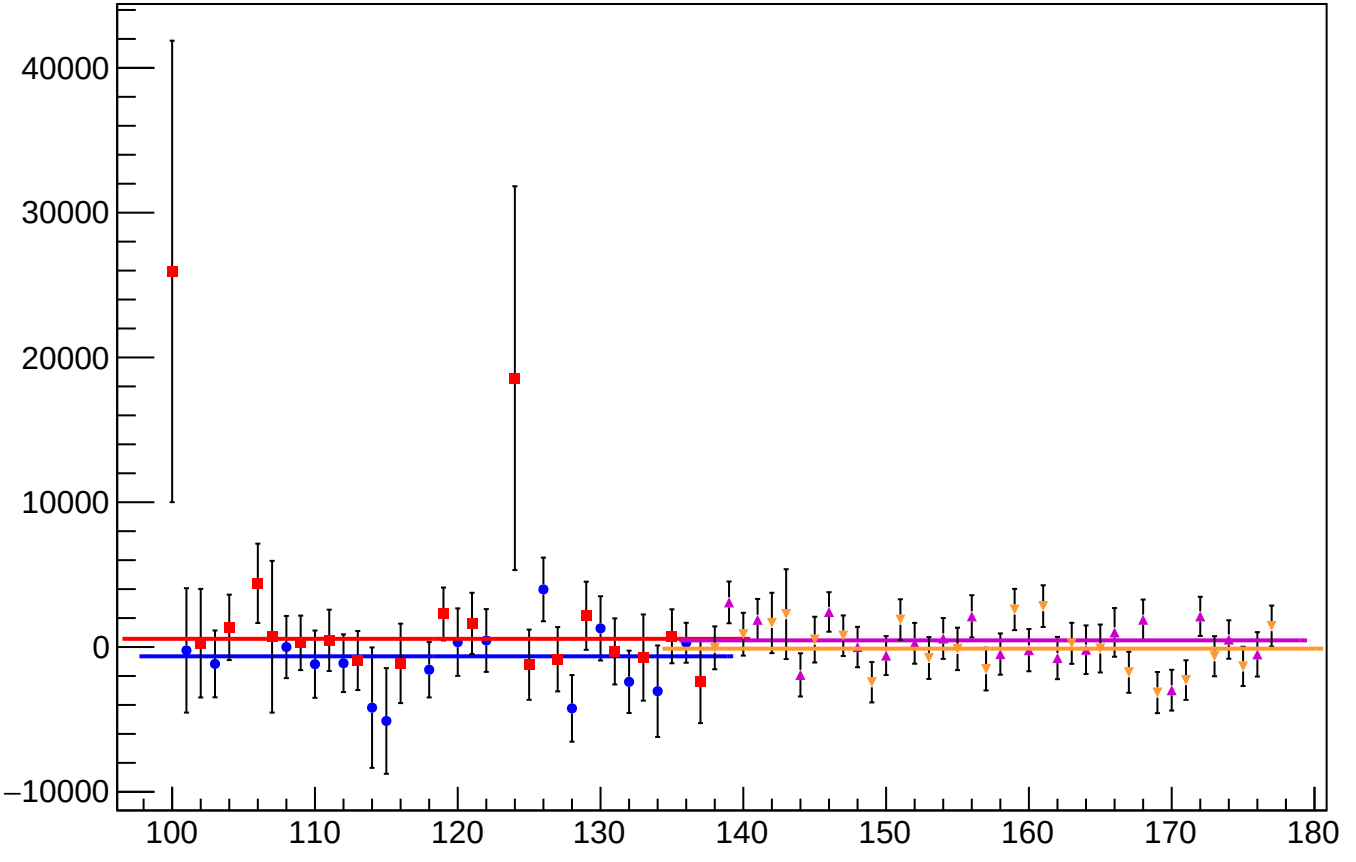
Left In: 285.727+/-0.055 χ^2/NDF:3737780.6/18

+ sign 270.445+/-0.045 χ^2/NDF: 11588132.2/36

All: 285.087+/-0.034 χ^2/NDF: 20679334.2/74

- sign 302.864+/-0.050 χ^2/NDF: 8860056.1/37

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -112.140+/-324.263 χ^2/NDF:26.6/20

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

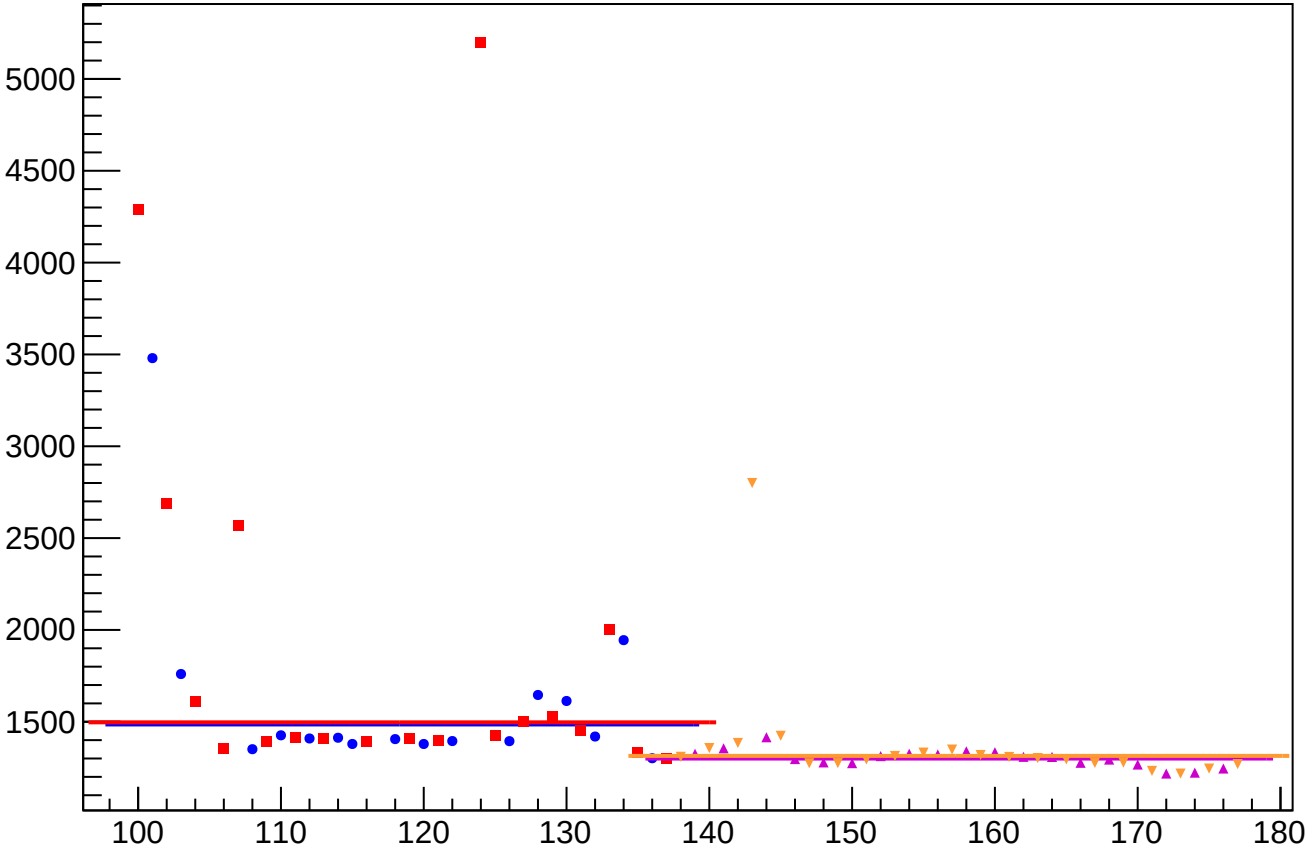
Left In: 460.577+/-329.908 χ^2/NDF:21.5/18

+ sign -243.354+/-281.159 χ^2/NDF: 39.8/36

All: 116.994+/-200.196 χ^2/NDF: 75.9/74

- sign 487.574+/-285.123 χ^2/NDF: 32.8/37

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1314.244+/-0.229 χ^2/NDF:504421.4/20

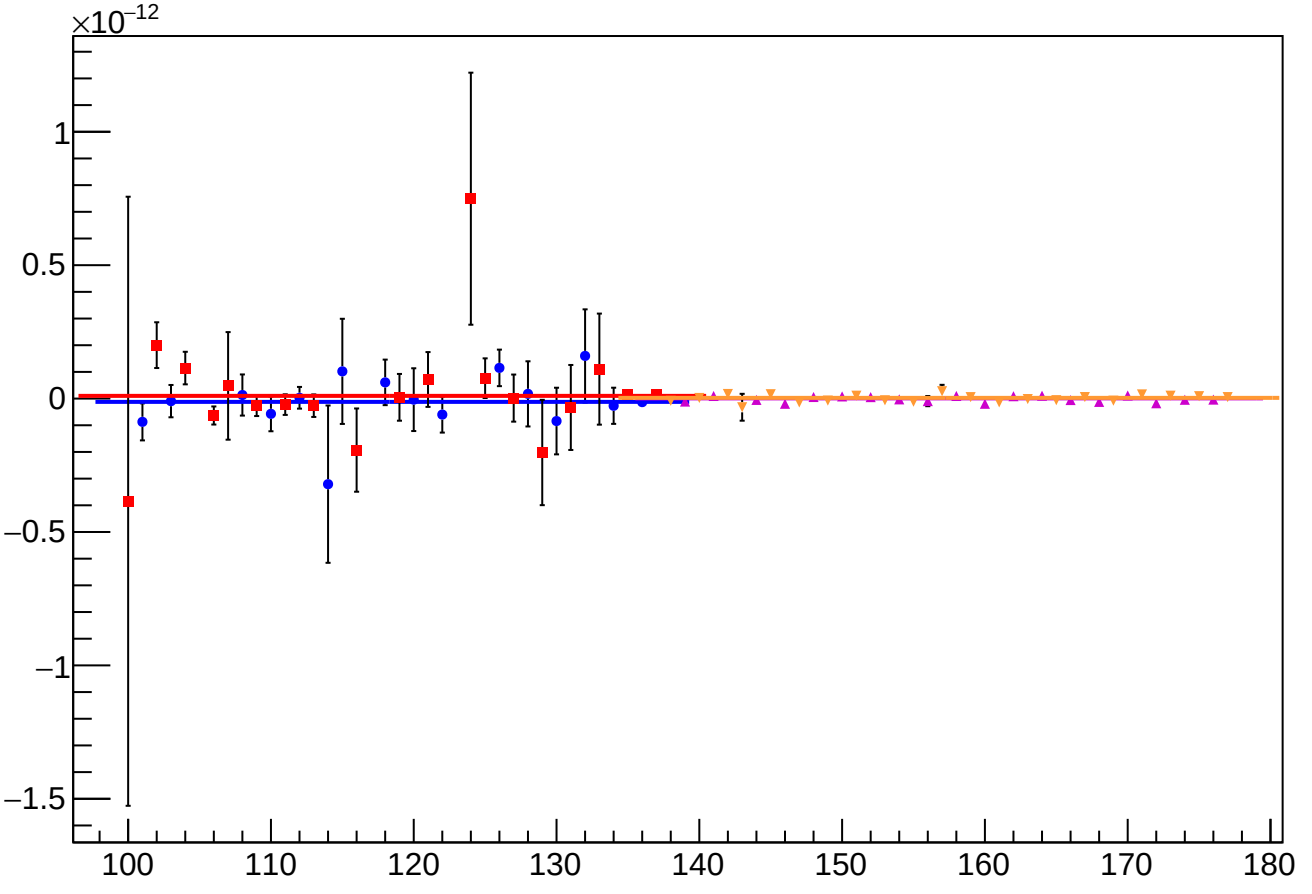
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1299.726+/-0.233 χ^2/NDF:38947.4/18

+ sign 1356.716+/-0.199 χ^2/NDF: 1227136.7/36

All: 1353.216+/-0.142 χ^2/NDF: 2070738.4/74

- sign 1349.617+/-0.202 χ^2/NDF: 842973.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.0/20

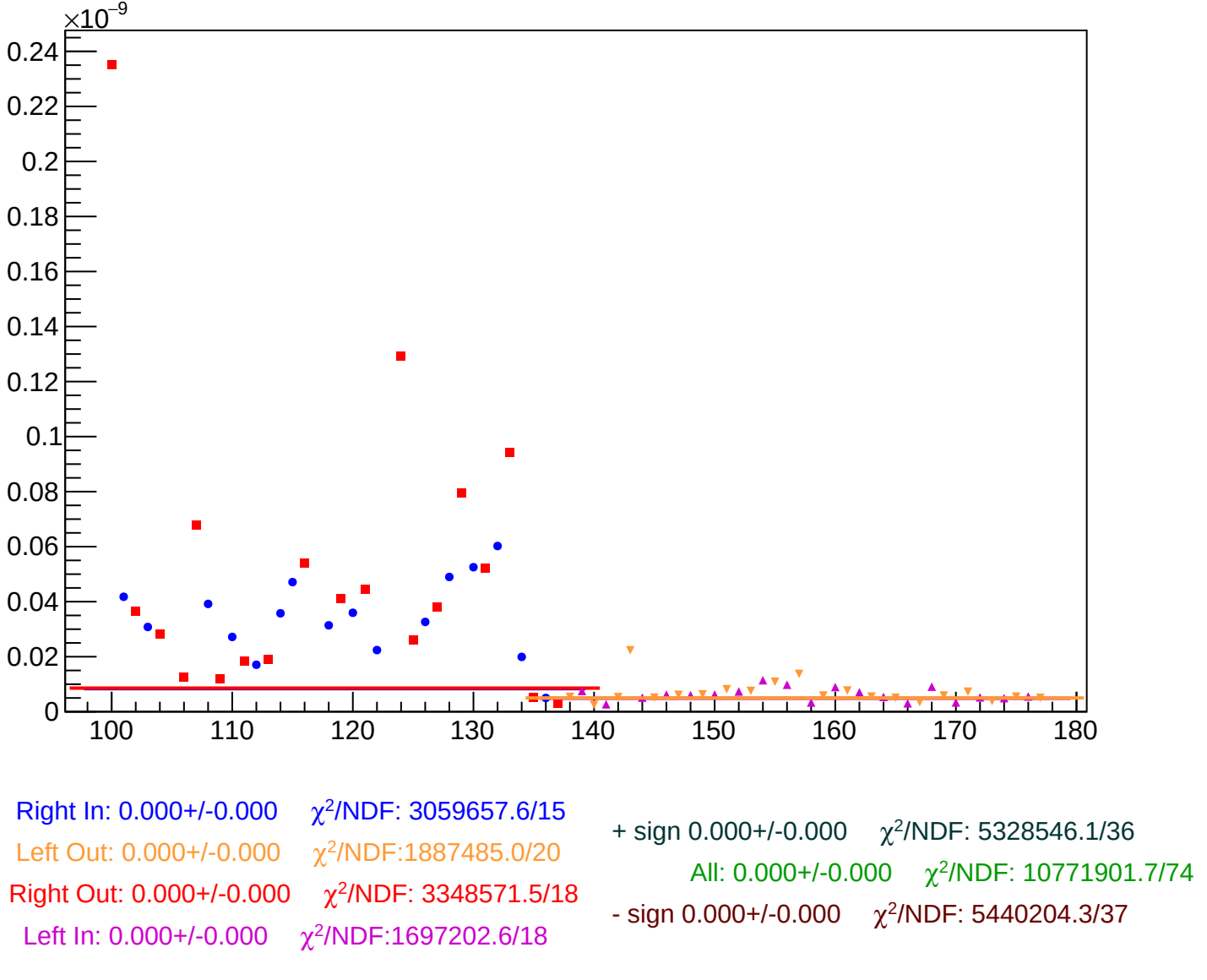
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

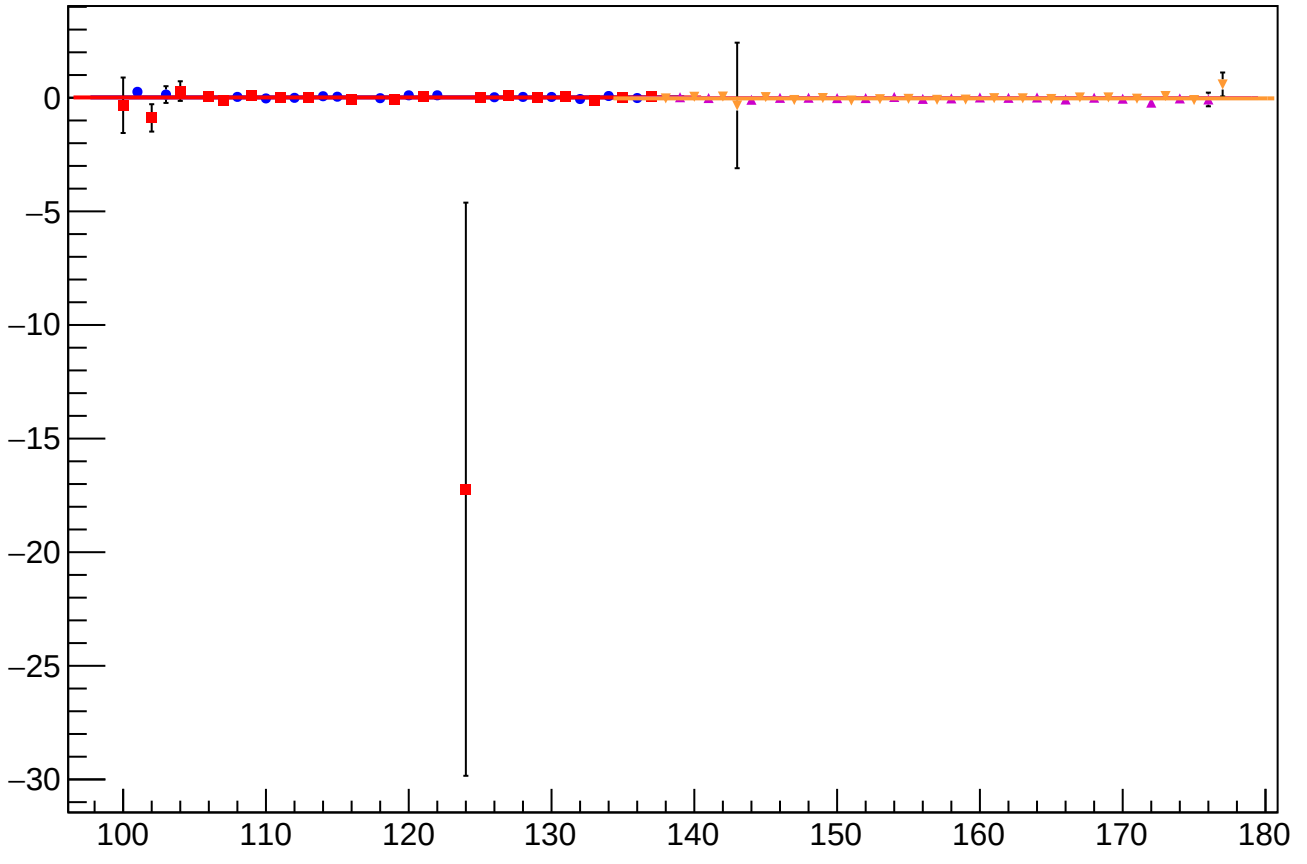
Left In: 0.000+/-0.000 χ^2/NDF:21.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/36

All: 0.000+/-0.000 χ^2/NDF: 77.7/74

- sign 0.000+/-0.000 χ^2/NDF: 45.5/37


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:1887485.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 3348571.5/18
Left In: 0.000+/-0.000 χ²/NDF:1697202.6/18
+ sign 0.000+/-0.000 χ²/NDF: 5328546.1/36
All: 0.000+/-0.000 χ²/NDF: 10771901.7/74
- sign 0.000+/-0.000 χ²/NDF: 5440204.3/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

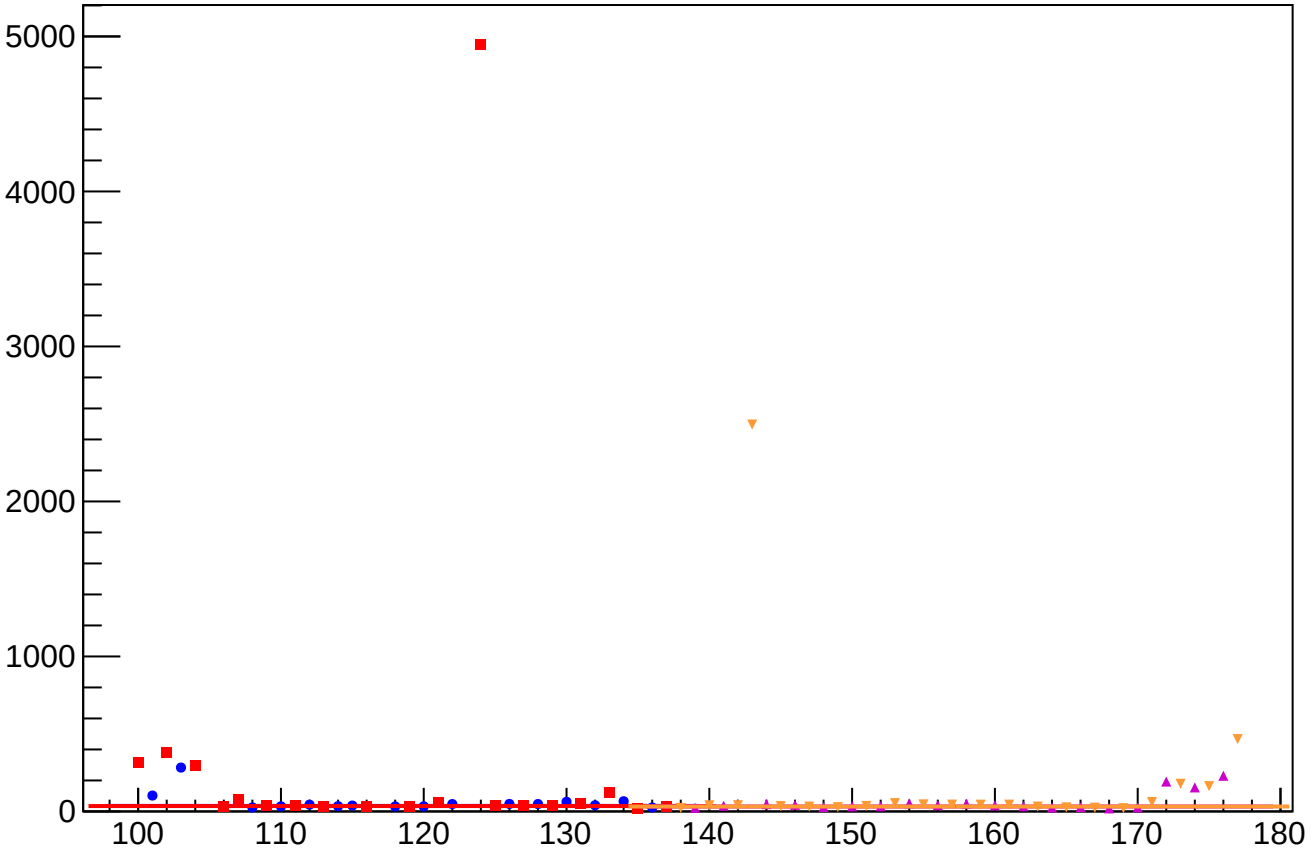
Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.0/74

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37

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: 31.819+/-0.007 χ^2/NDF:6685097.5/20

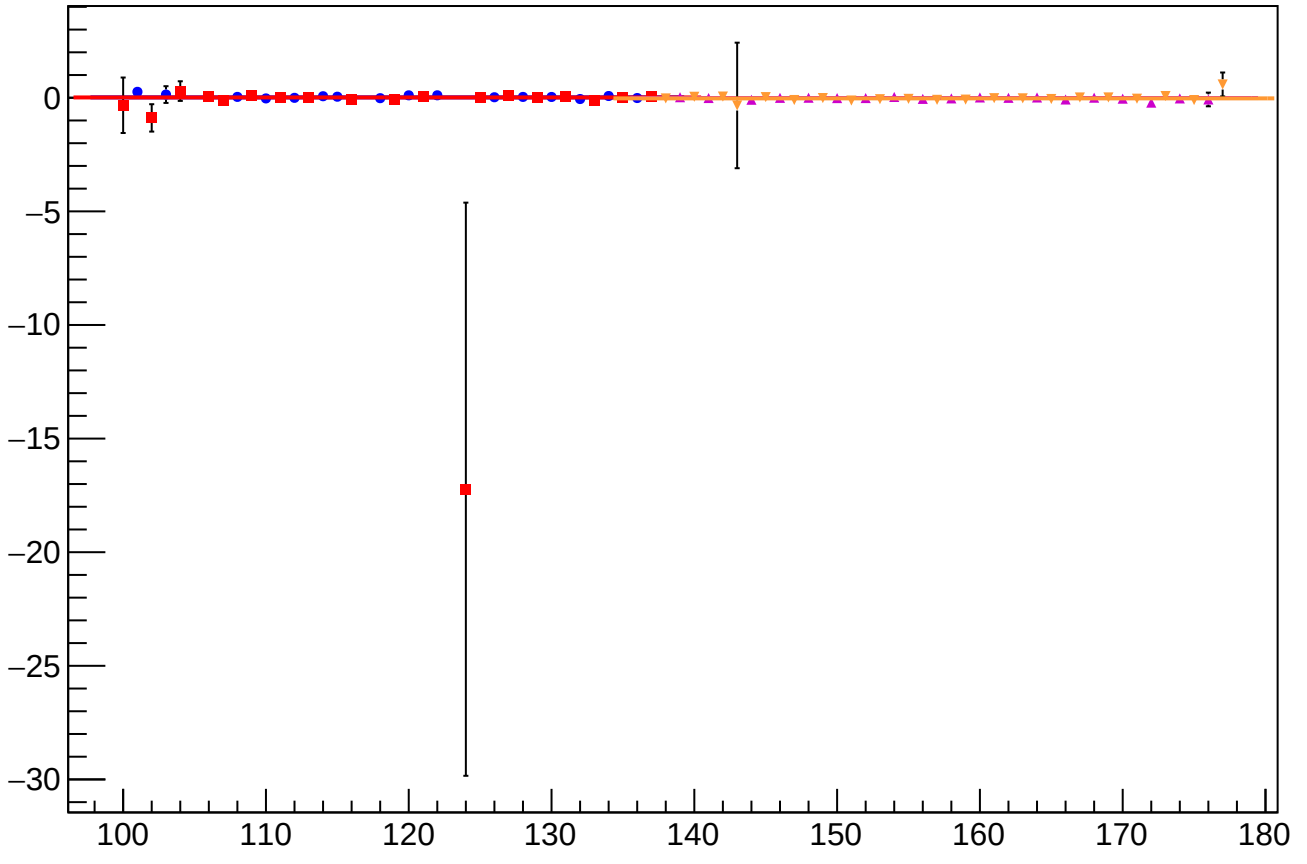
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

+ sign 32.901+/-0.006 χ^2/NDF: 9043315.2/36

All: 32.839+/-0.004 χ^2/NDF: 16632700.9/74

- sign 32.778+/-0.006 χ^2/NDF: 7589157.9/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

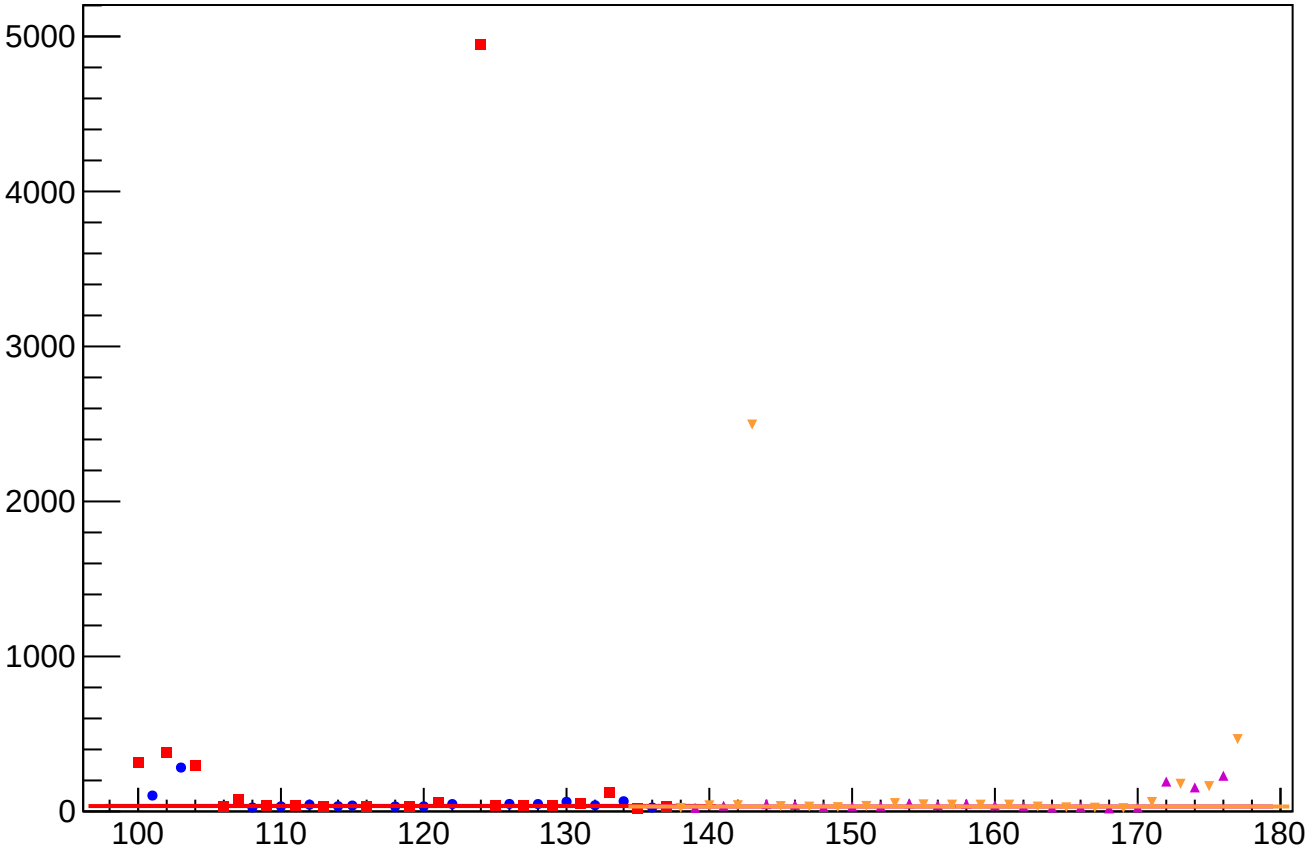
Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.0/74

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685097.5/20

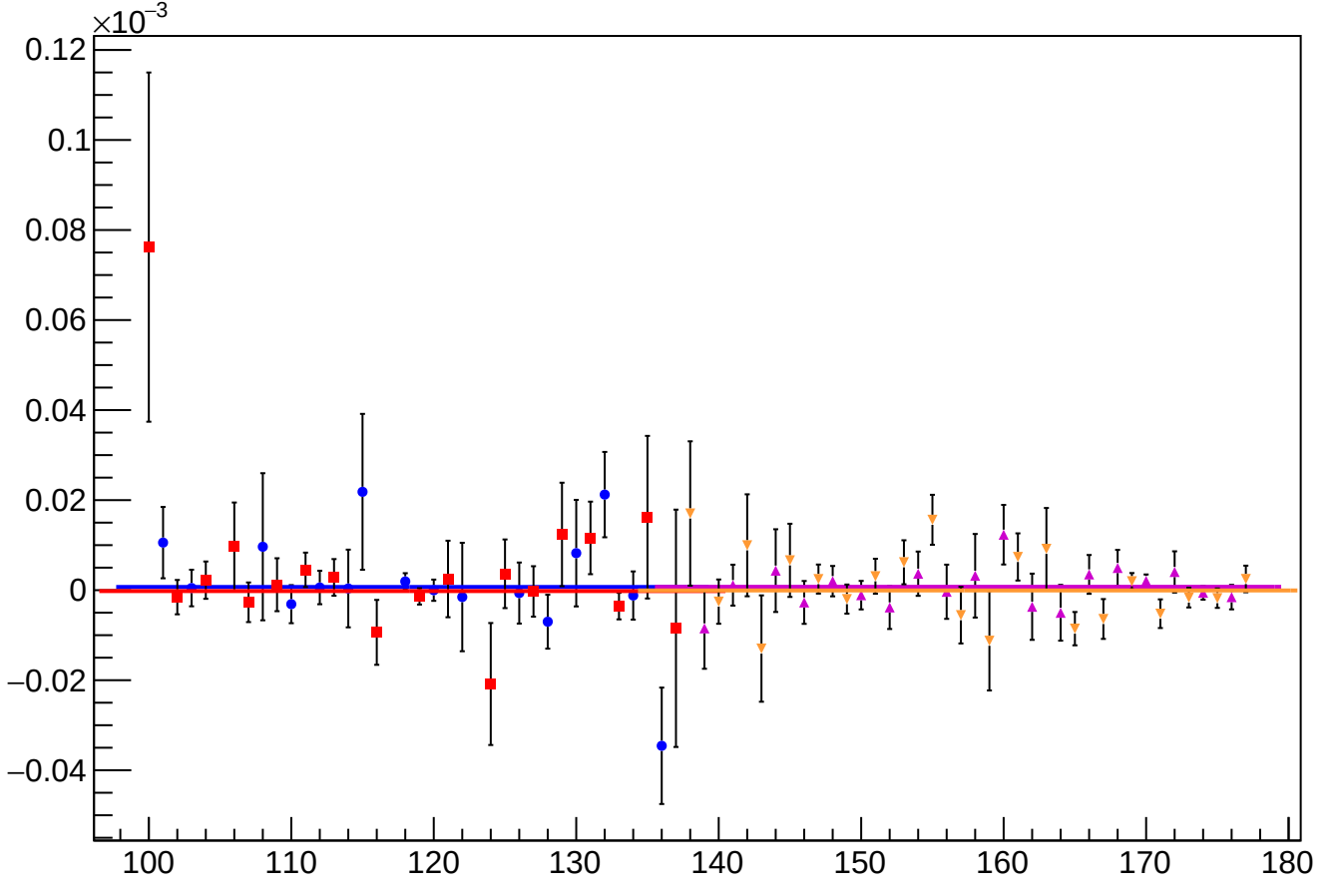
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

\+ sign 32.901+/-0.006 χ^2/NDF: 9043315.2/36

All: 32.839+/-0.004 χ^2/NDF: 16632700.9/74

\- sign 32.778+/-0.006 χ^2/NDF: 7589157.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.2/20

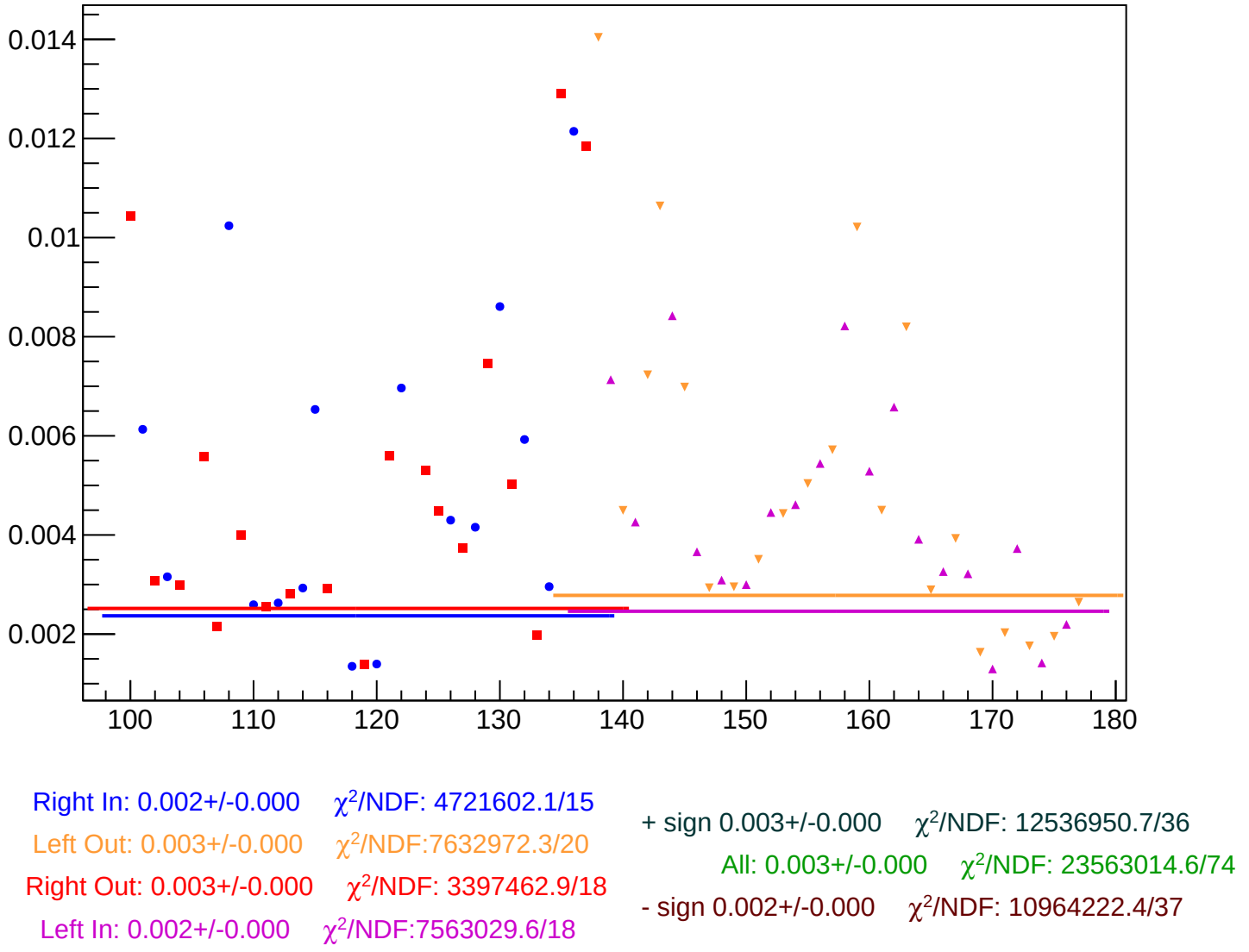
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

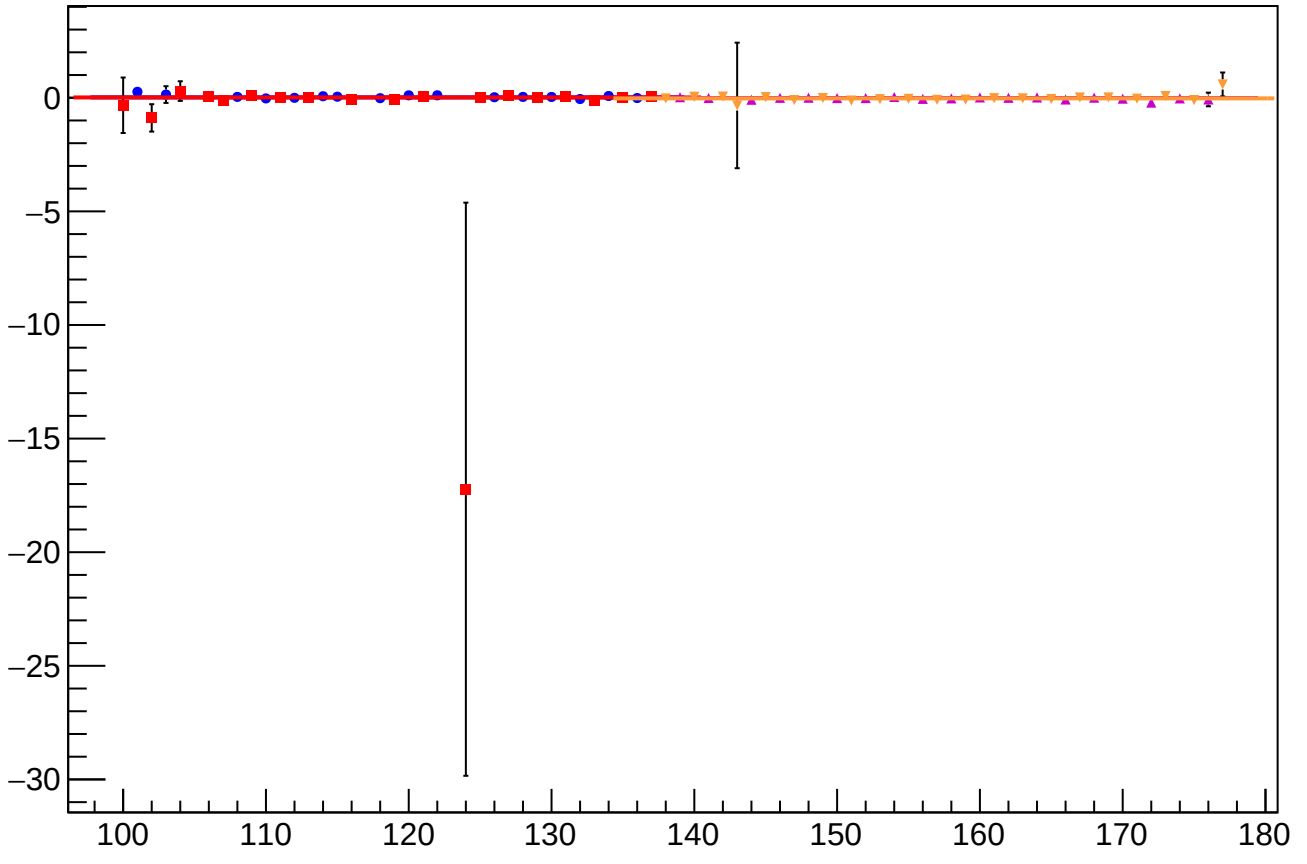
Left In: 0.000+/-0.000 χ^2/NDF:12.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/36

All: 0.000+/-0.000 χ^2/NDF: 83.5/74

- sign 0.000+/-0.000 χ^2/NDF: 30.7/37


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:7632972.3/20
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:7563029.6/18
+ sign 0.003+/-0.000 χ²/NDF: 12536950.7/36
All: 0.003+/-0.000 χ²/NDF: 23563014.6/74
- sign 0.002+/-0.000 χ²/NDF: 10964222.4/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

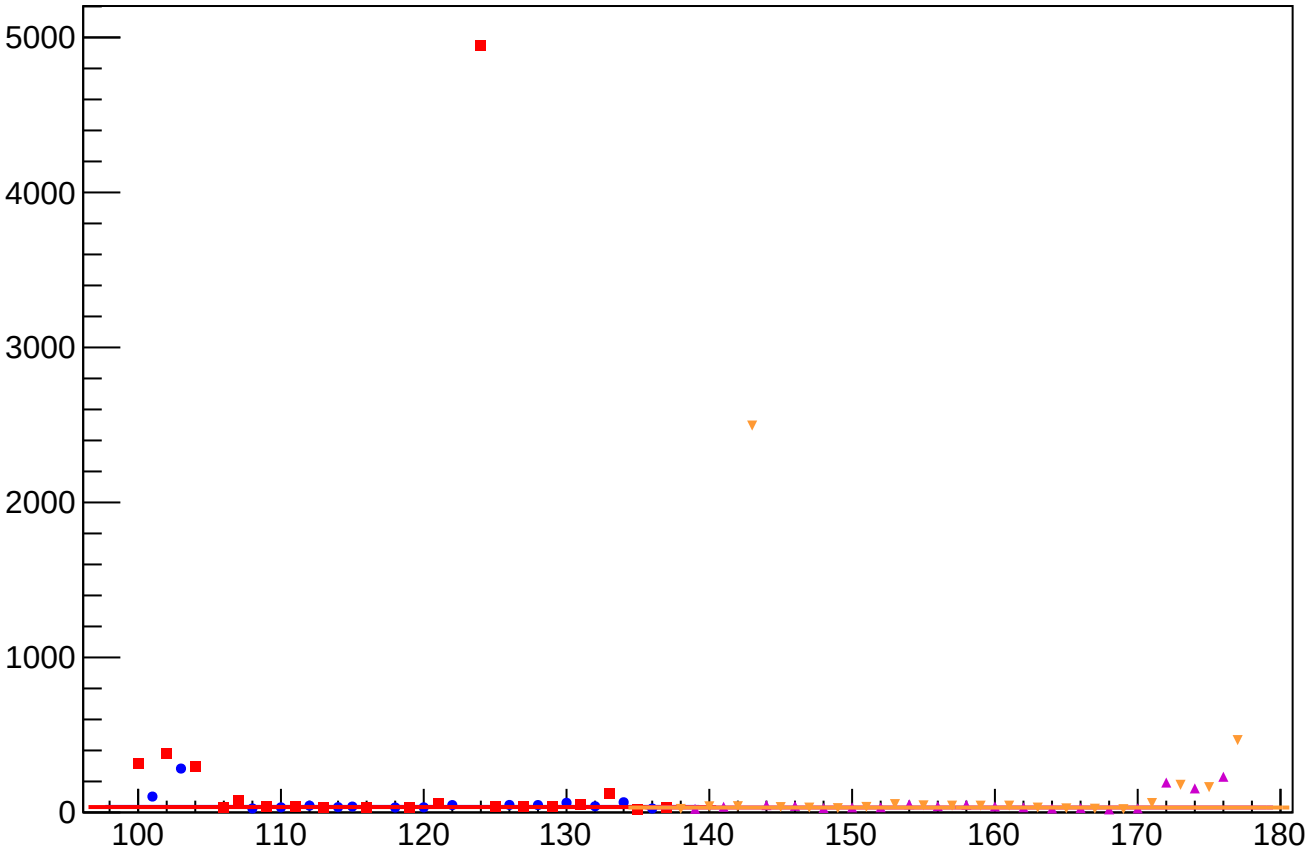
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.0/74

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685353.5/20

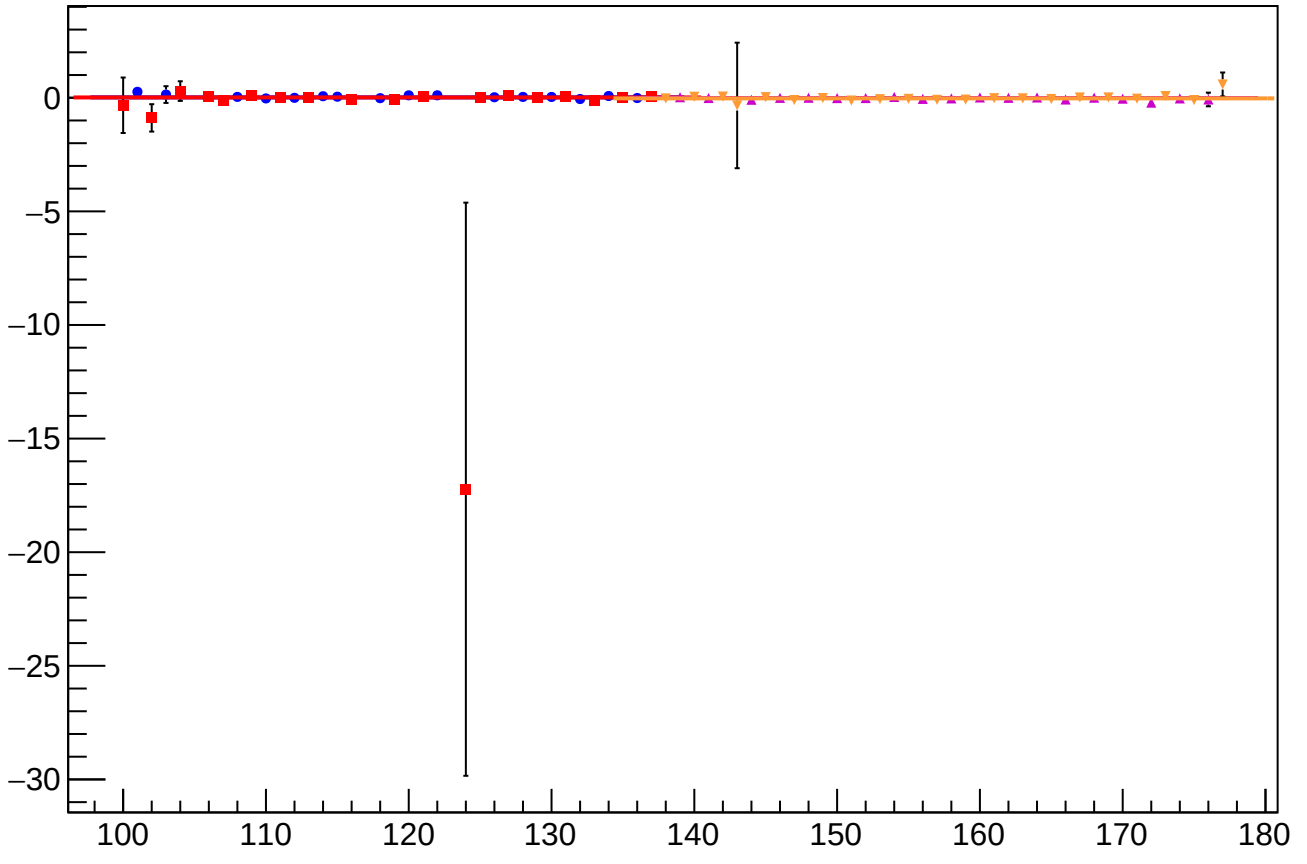
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

\+ sign 32.901+/-0.006 χ^2/NDF: 9043373.3/36

All: 32.839+/-0.004 χ^2/NDF: 16633252.6/74

\- sign 32.777+/-0.006 χ^2/NDF: 7589648.0/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

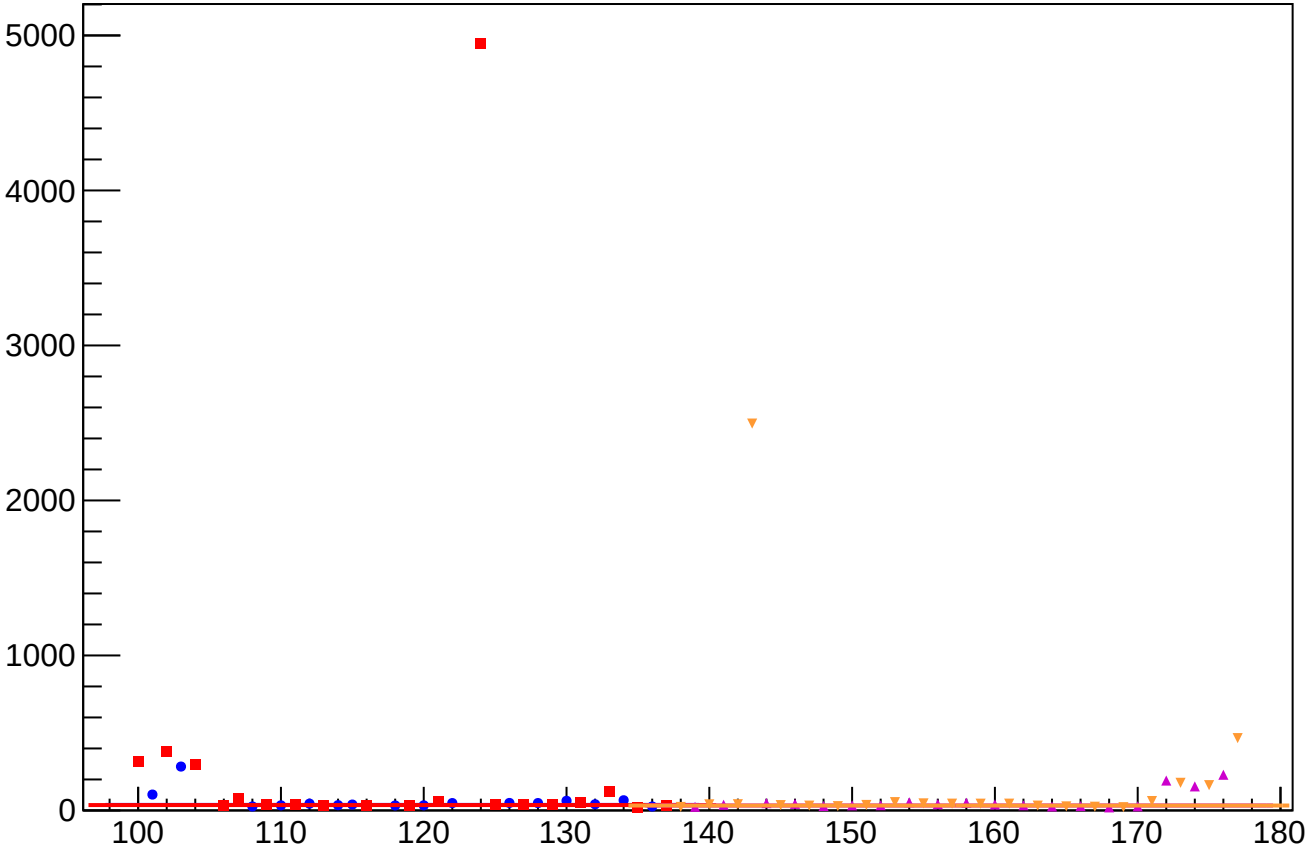
Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.0/74

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37

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: 31.819+/-0.007 χ^2/NDF:6685353.5/20

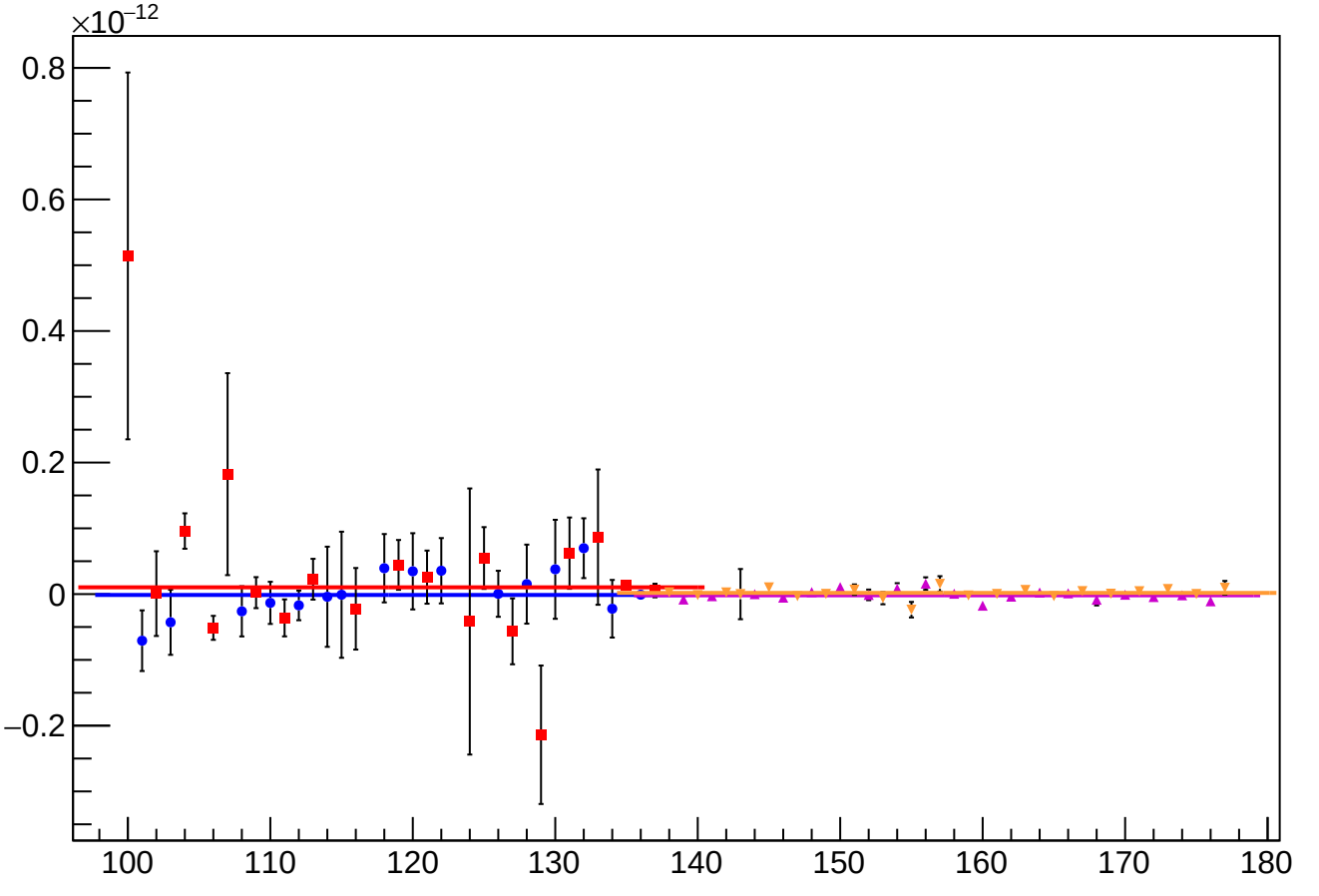
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

+ sign 32.901+/-0.006 χ^2/NDF: 9043373.3/36

All: 32.839+/-0.004 χ^2/NDF: 16633252.6/74

- sign 32.777+/-0.006 χ^2/NDF: 7589648.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

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

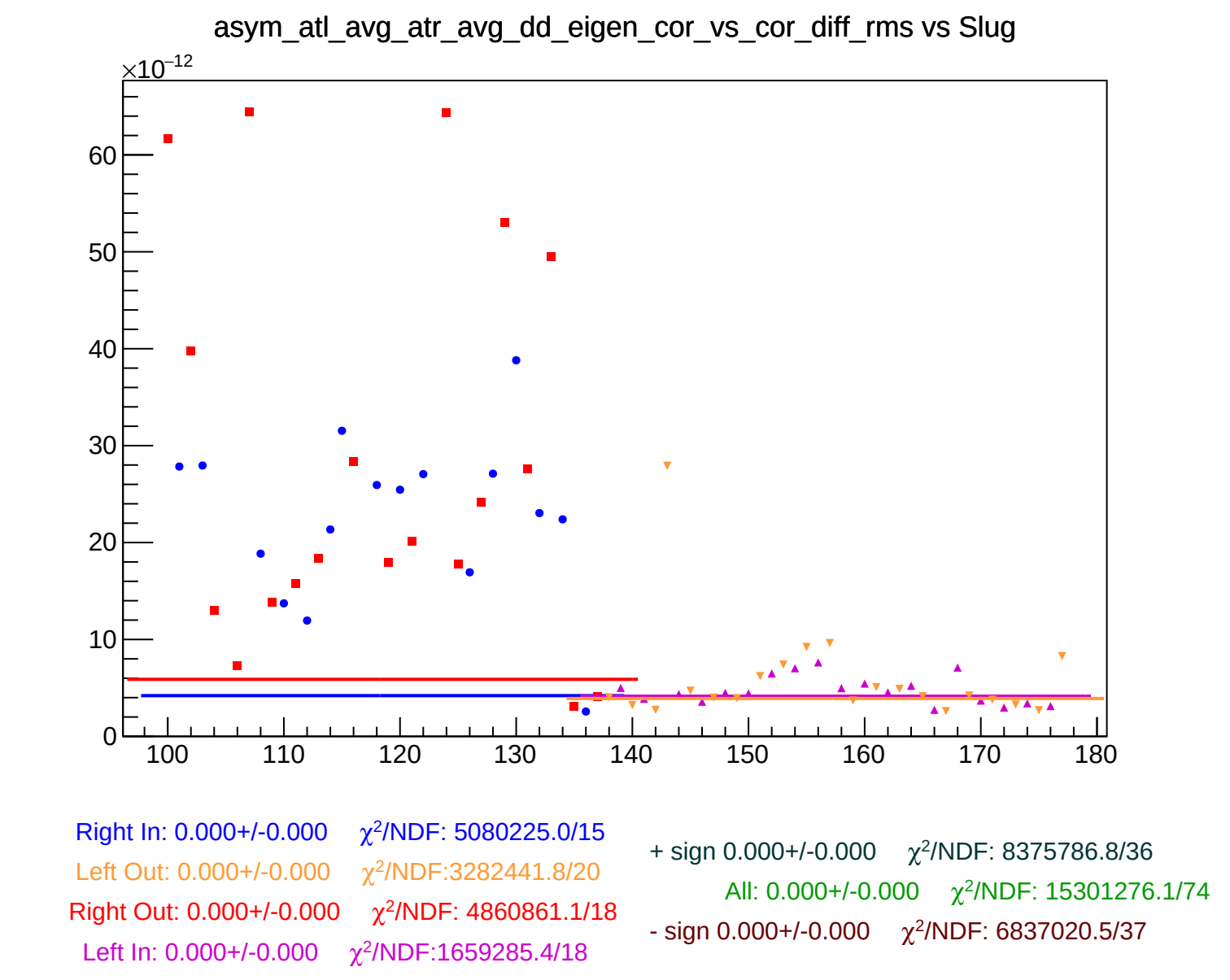
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:22.9/18

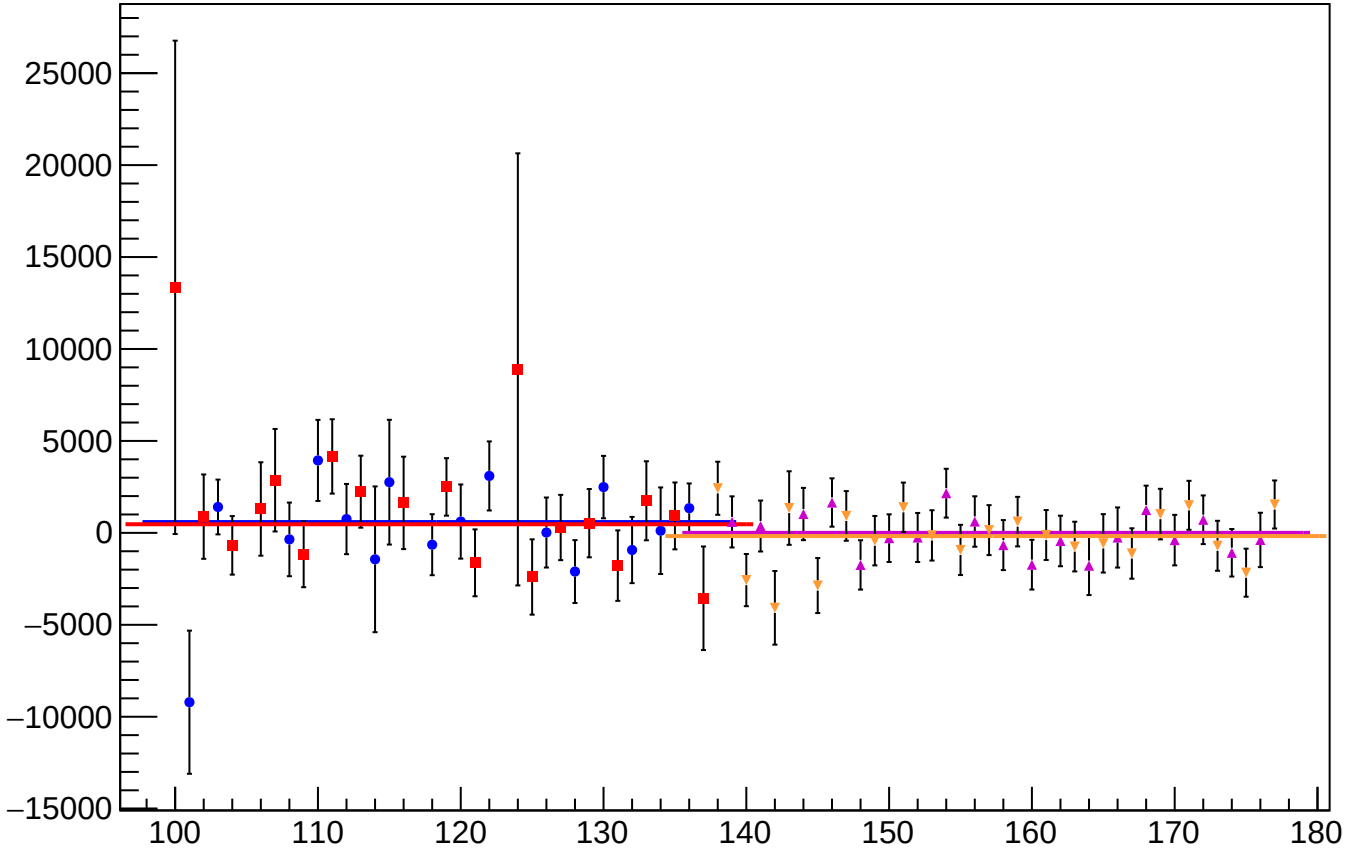
+ sign 0.000+/-0.000 χ^2/NDF: 24.8/36

All: 0.000+/-0.000 χ^2/NDF: 96.9/74

- sign -0.000+/-0.000 χ^2/NDF: 70.5/37


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:3282441.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1659285.4/18
+ sign 0.000+/-0.000 χ²/NDF: 8375786.8/36
All: 0.000+/-0.000 χ²/NDF: 15301276.1/74
- sign 0.000+/-0.000 χ²/NDF: 6837020.5/37

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.329+/-307.648 χ^2/NDF:23.7/20

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

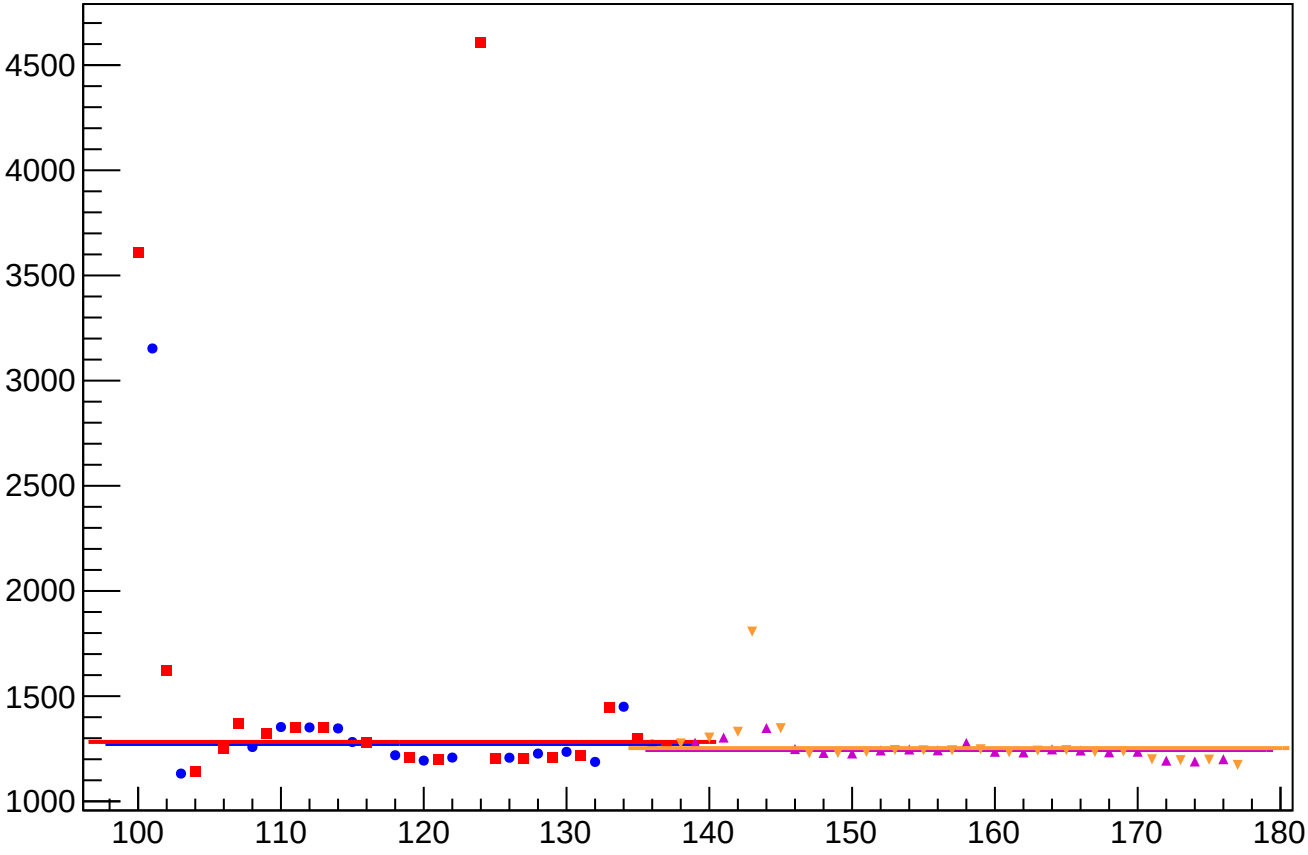
Left In: -1.147+/-315.722 χ^2/NDF:12.2/18

+ sign 45.750+/-259.394 χ^2/NDF: 42.6/36

All: 92.376+/-184.979 χ^2/NDF: 72.4/74

- sign 140.623+/-263.862 χ^2/NDF: 29.8/37

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

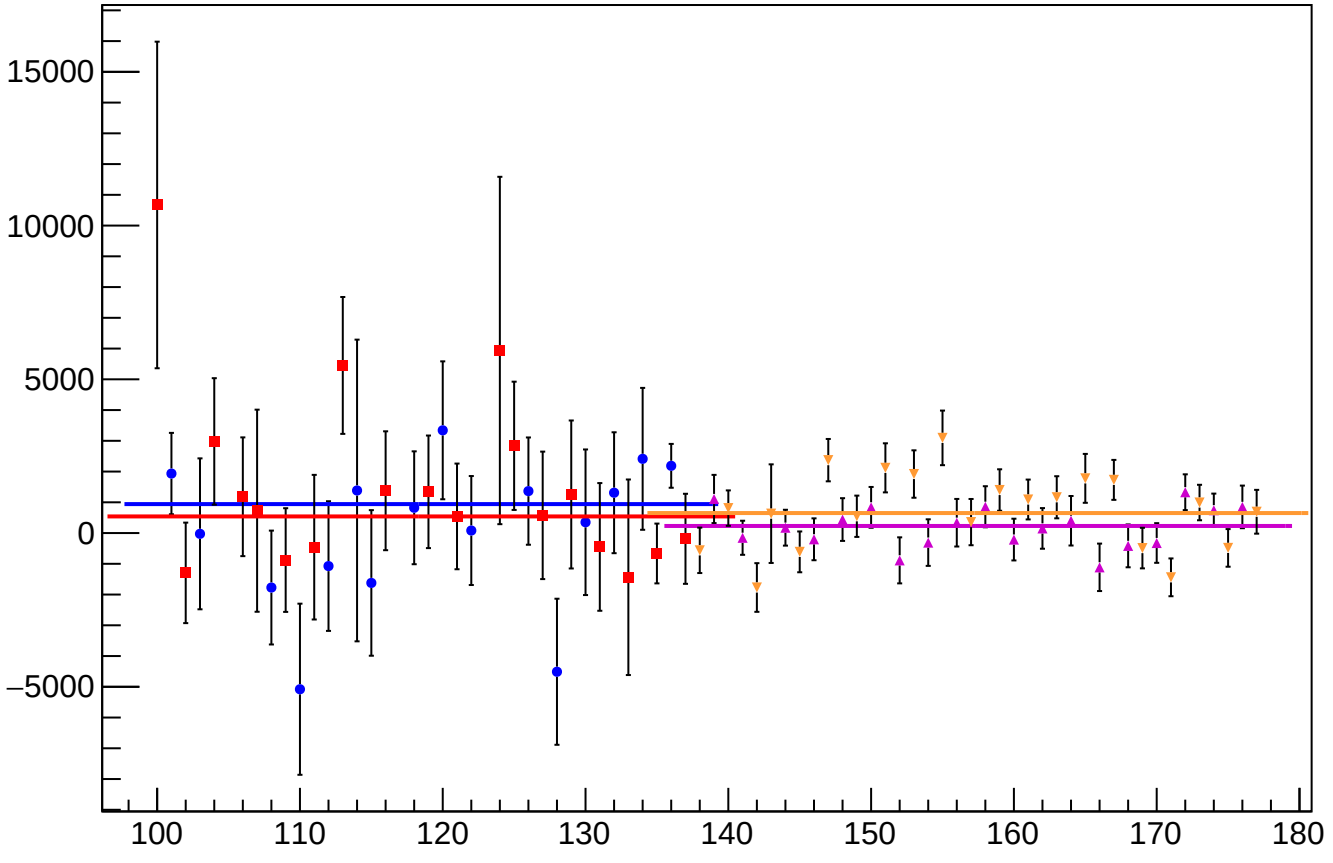
Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1258.713+/-0.183 χ^2/NDF: 710092.3/36

All: 1257.214+/-0.131 χ^2/NDF: 1067351.5/74

- sign 1255.663+/-0.187 χ^2/NDF: 357123.4/37

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 650.567+/-152.554 χ^2/NDF:61.2/20

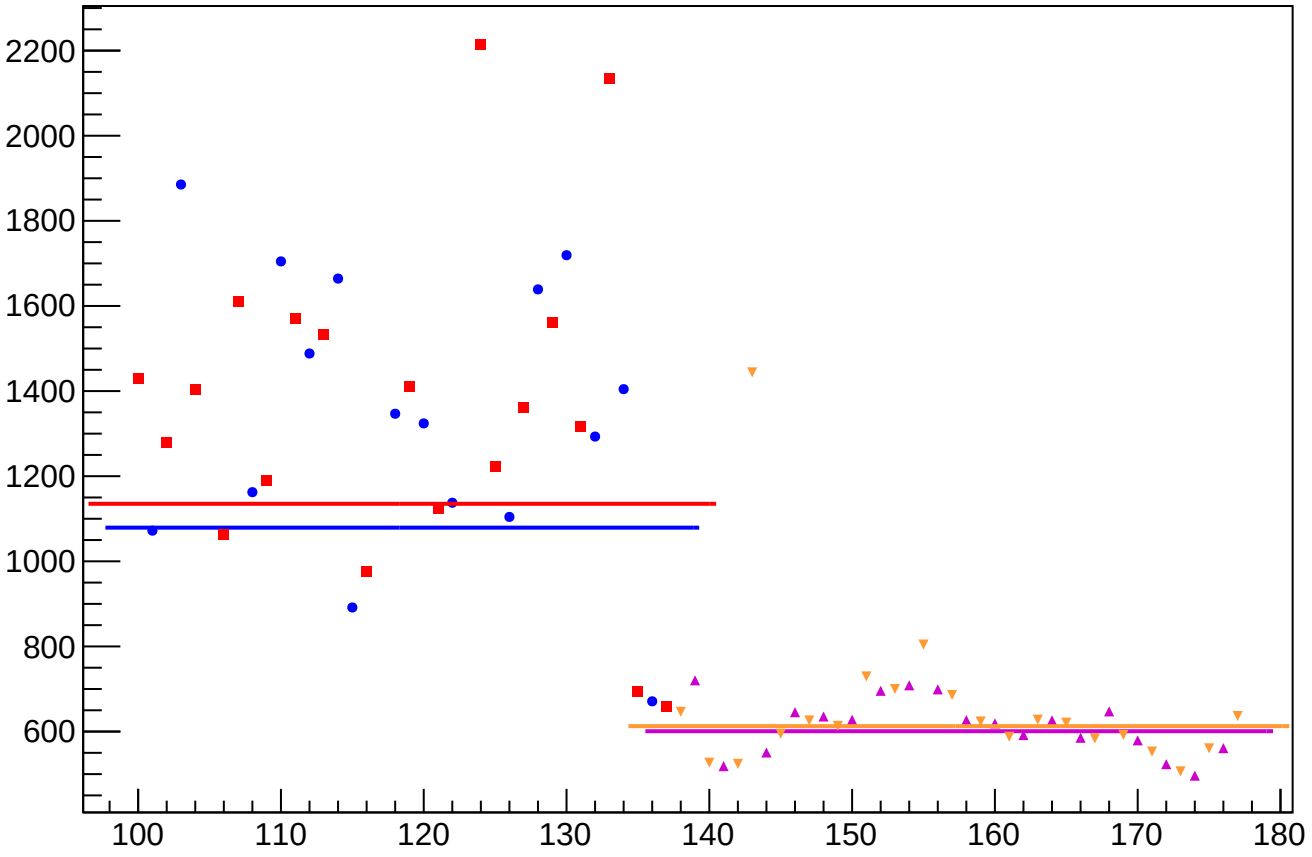
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 230.589+/-153.626 χ^2/NDF:17.1/18

+ sign 683.688+/-143.616 χ^2/NDF: 81.5/36

All: 476.053+/-102.050 χ^2/NDF: 120.5/74

- sign 264.290+/-145.036 χ^2/NDF: 34.7/37



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 612.699+/-0.108 χ^2/NDF:908075.3/20

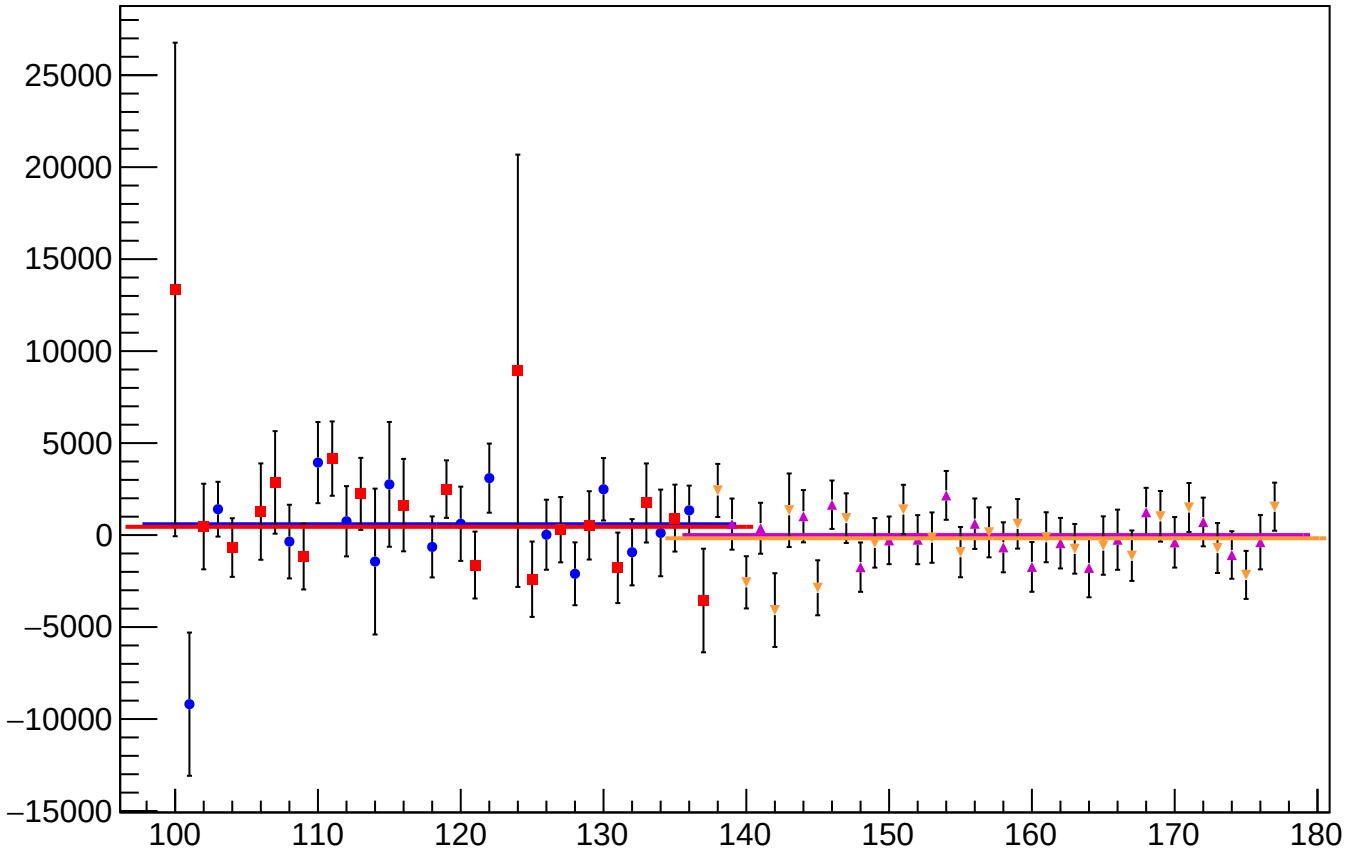
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 600.799+/-0.109 χ^2/NDF:362403.7/18

+ sign 665.750+/-0.102 χ^2/NDF: 4516782.4/36

All: 662.351+/-0.072 χ^2/NDF: 8804834.1/74

- sign 658.885+/-0.103 χ^2/NDF: 4285789.4/37



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

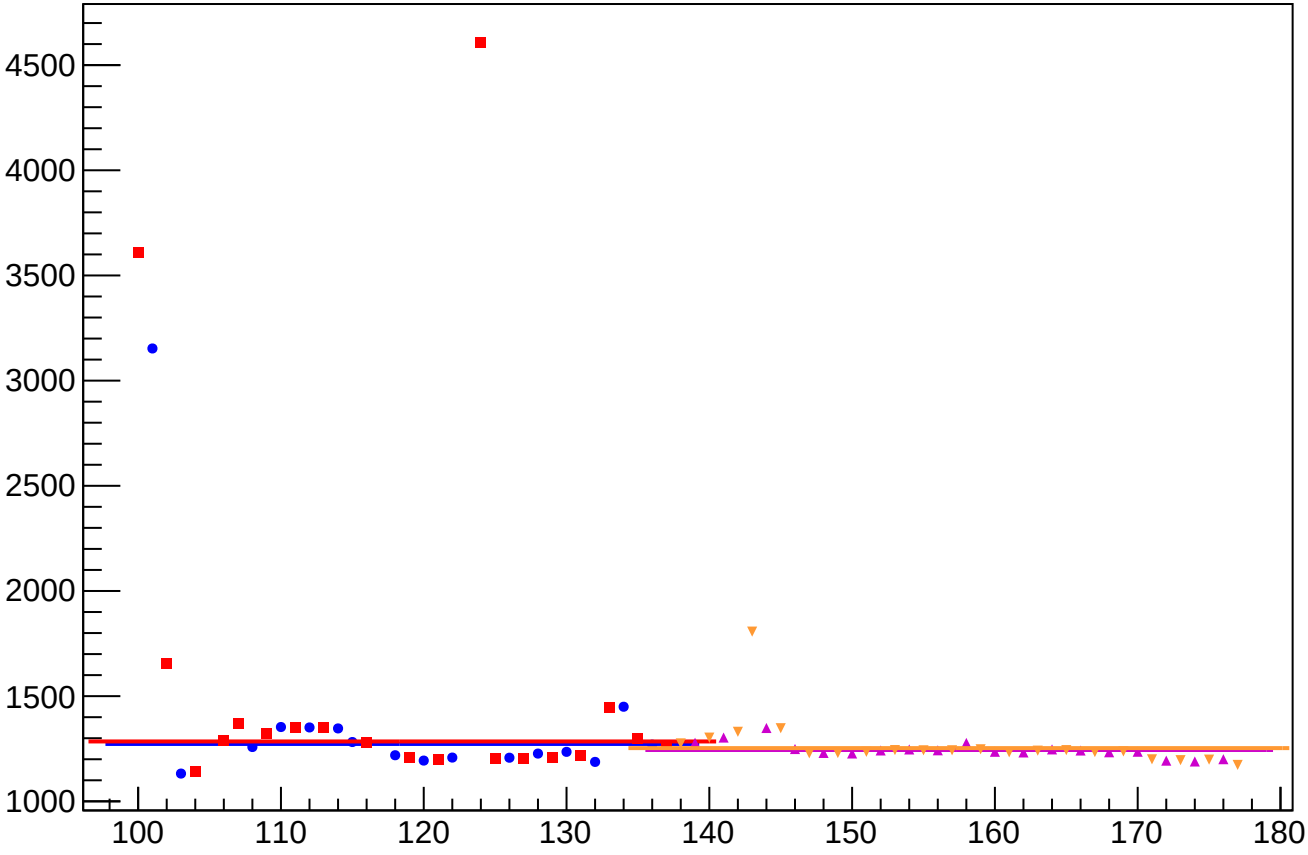
Left In: -1.108+/-315.722 χ^2/NDF:12.2/18

\+ sign 45.810+/-259.394 χ^2/NDF: 42.5/36

All: 89.187+/-185.025 χ^2/NDF: 72.3/74

\- sign 134.117+/-263.997 χ^2/NDF: 29.7/37

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

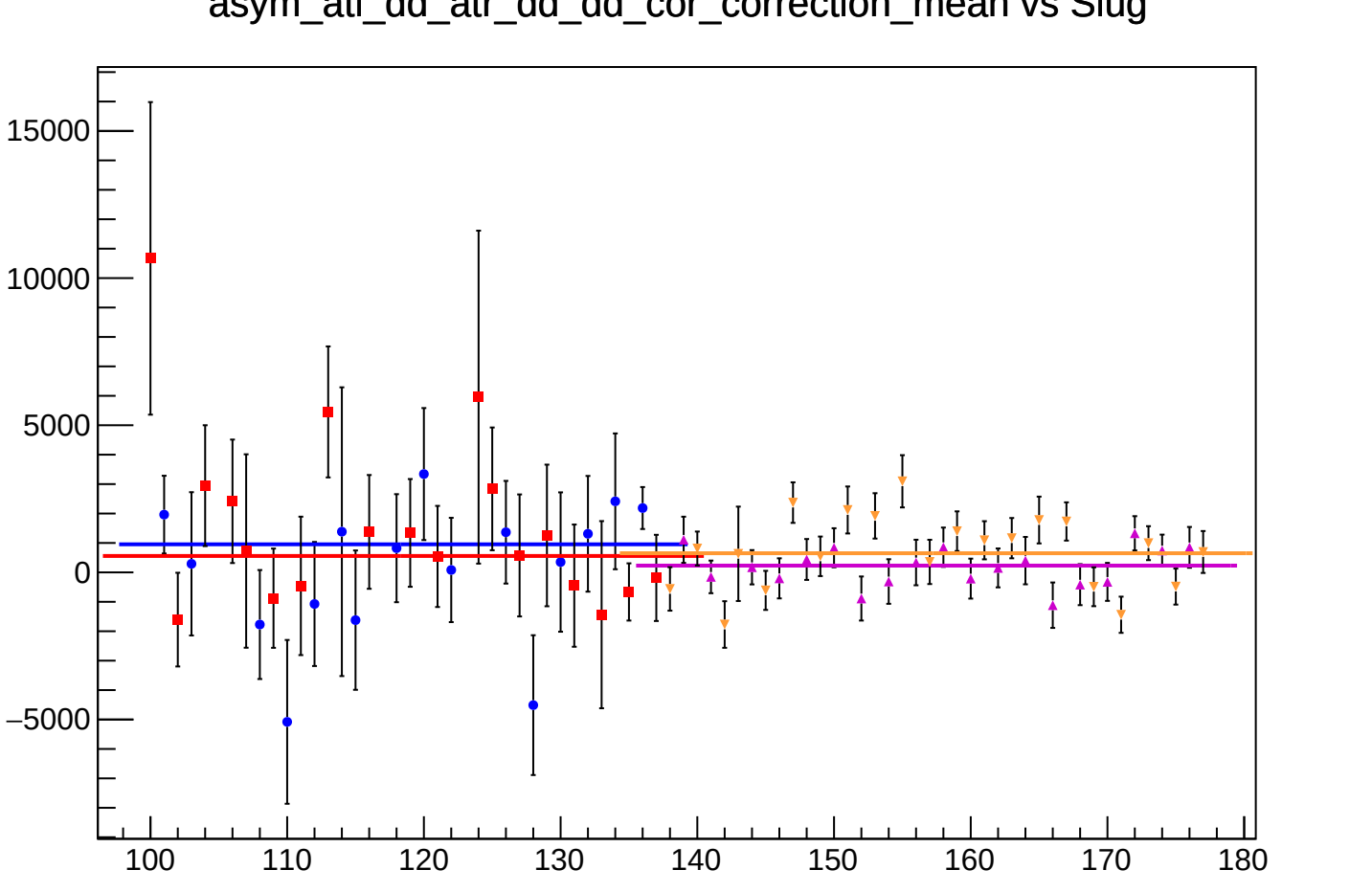
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1258.713+/-0.183 χ^2/NDF: 710093.6/36

All: 1257.540+/-0.131 χ^2/NDF: 1075023.7/74

- sign 1256.325+/-0.187 χ^2/NDF: 364846.8/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 650.593+/-152.555 χ^2/NDF:61.2/20

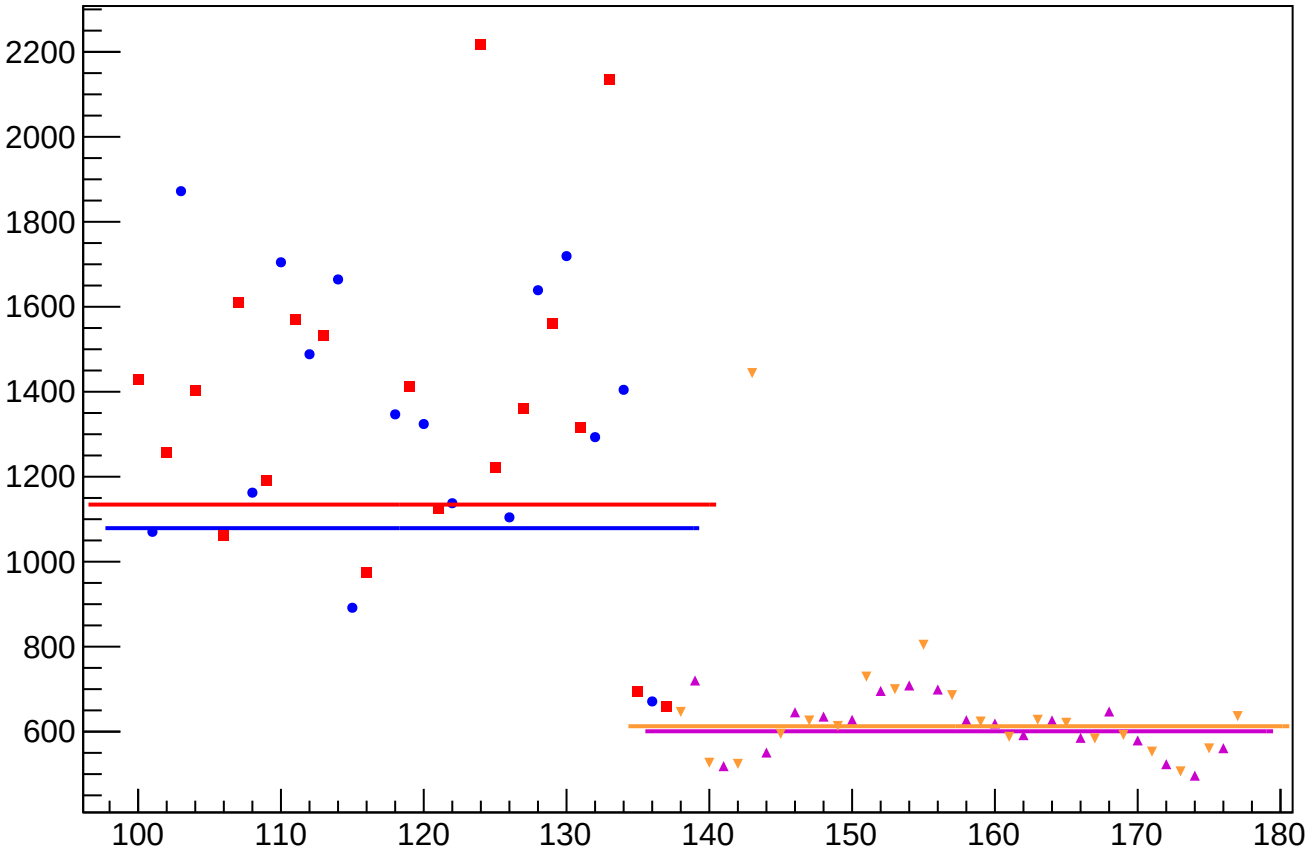
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 230.565+/-153.625 χ^2/NDF:17.1/18

+ sign 685.145+/-143.610 χ^2/NDF: 81.5/36

All: 477.701+/-102.059 χ^2/NDF: 121.7/74

- sign 266.028+/-145.066 χ^2/NDF: 36.0/37



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 612.702+/-0.108 χ^2/NDF:908027.8/20

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

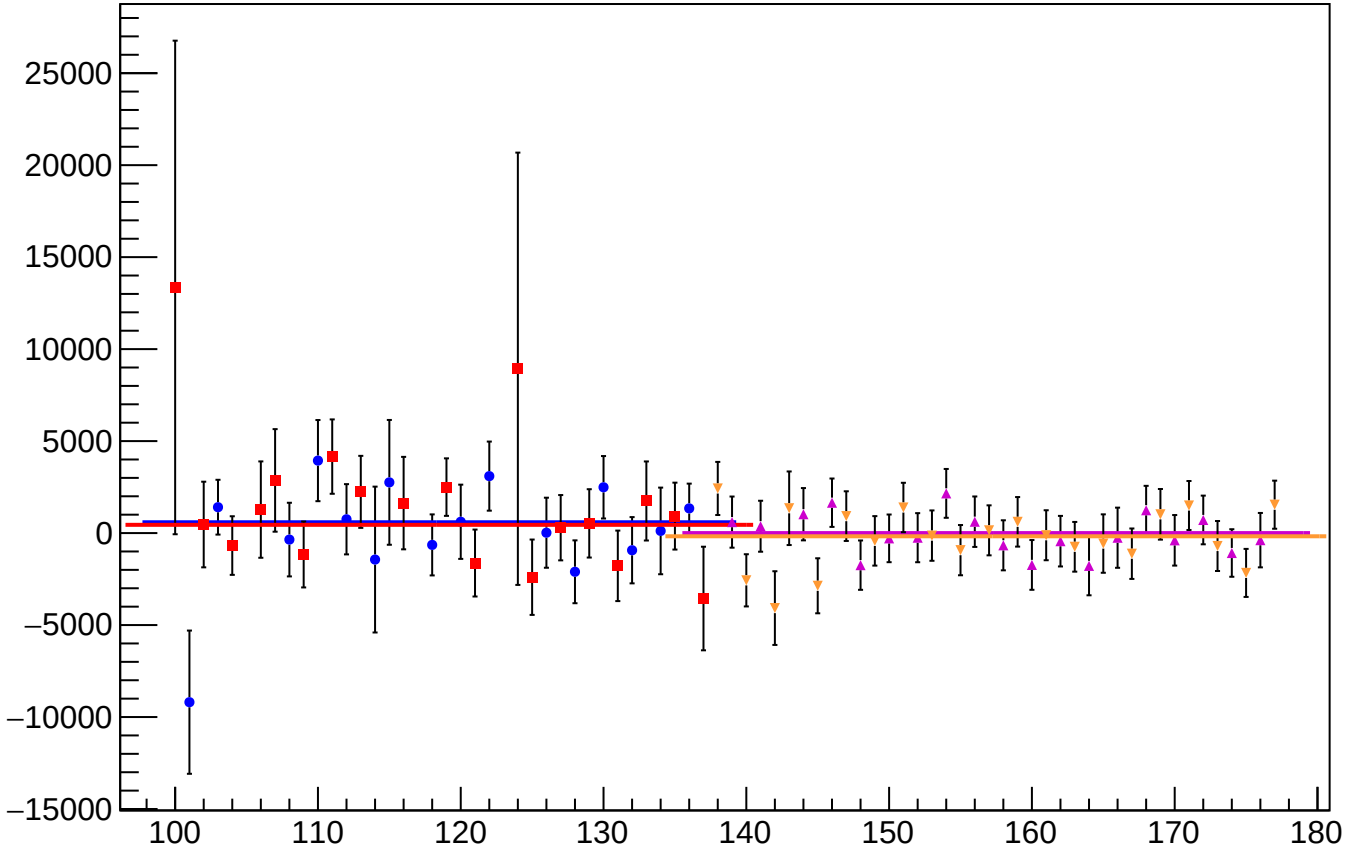
Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

\+ sign 665.771+/-0.102 χ^2/NDF: 4513038.0/36

All: 662.223+/-0.072 χ^2/NDF: 8780919.3/74

\- sign 658.602+/-0.103 χ^2/NDF: 4265414.2/37

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

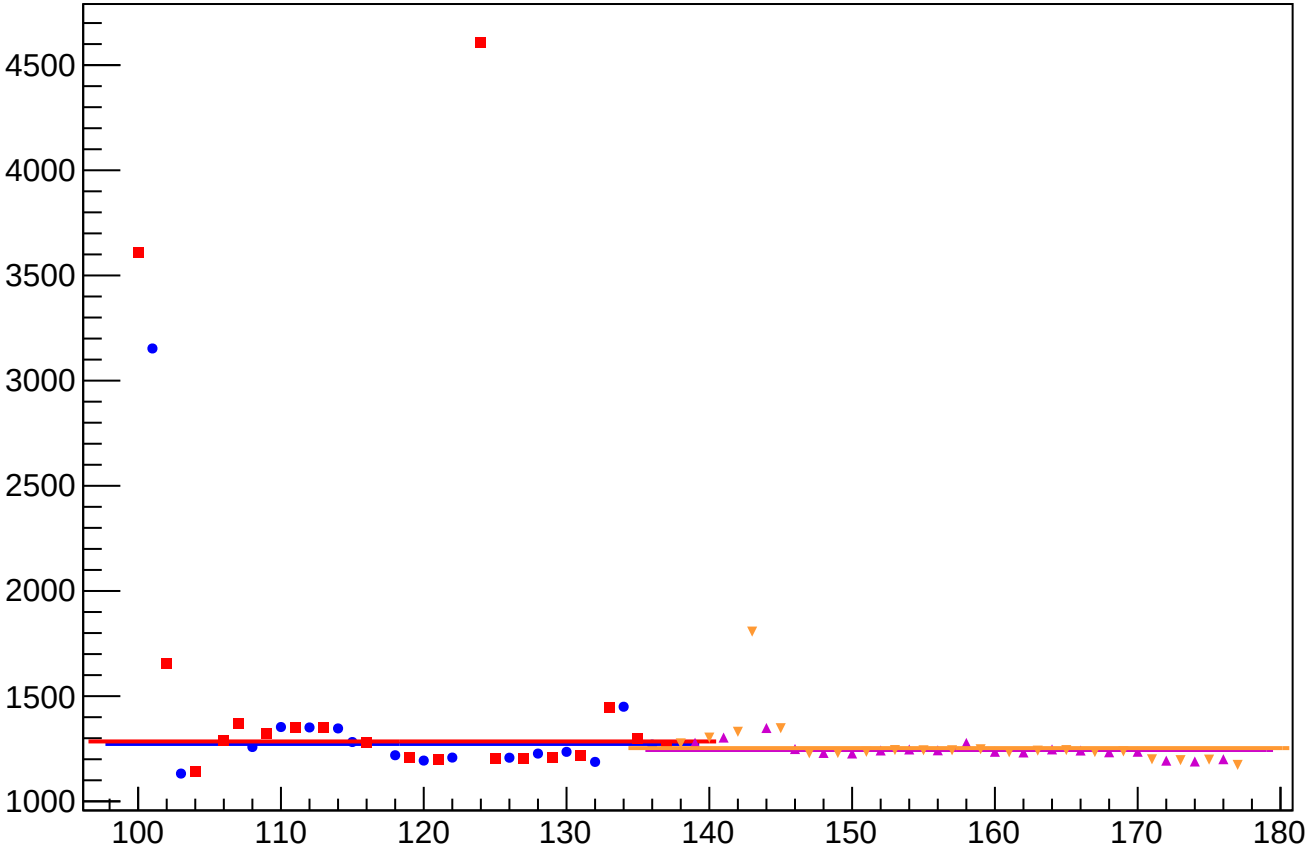
Left In: -1.108+/-315.722 χ^2/NDF:12.2/18

+ sign 45.810+/-259.394 χ^2/NDF: 42.5/36

All: 89.187+/-185.025 χ^2/NDF: 72.3/74

- sign 134.117+/-263.997 χ^2/NDF: 29.7/37

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: 1252.983+/-0.218 χ^2/NDF:188394.0/20

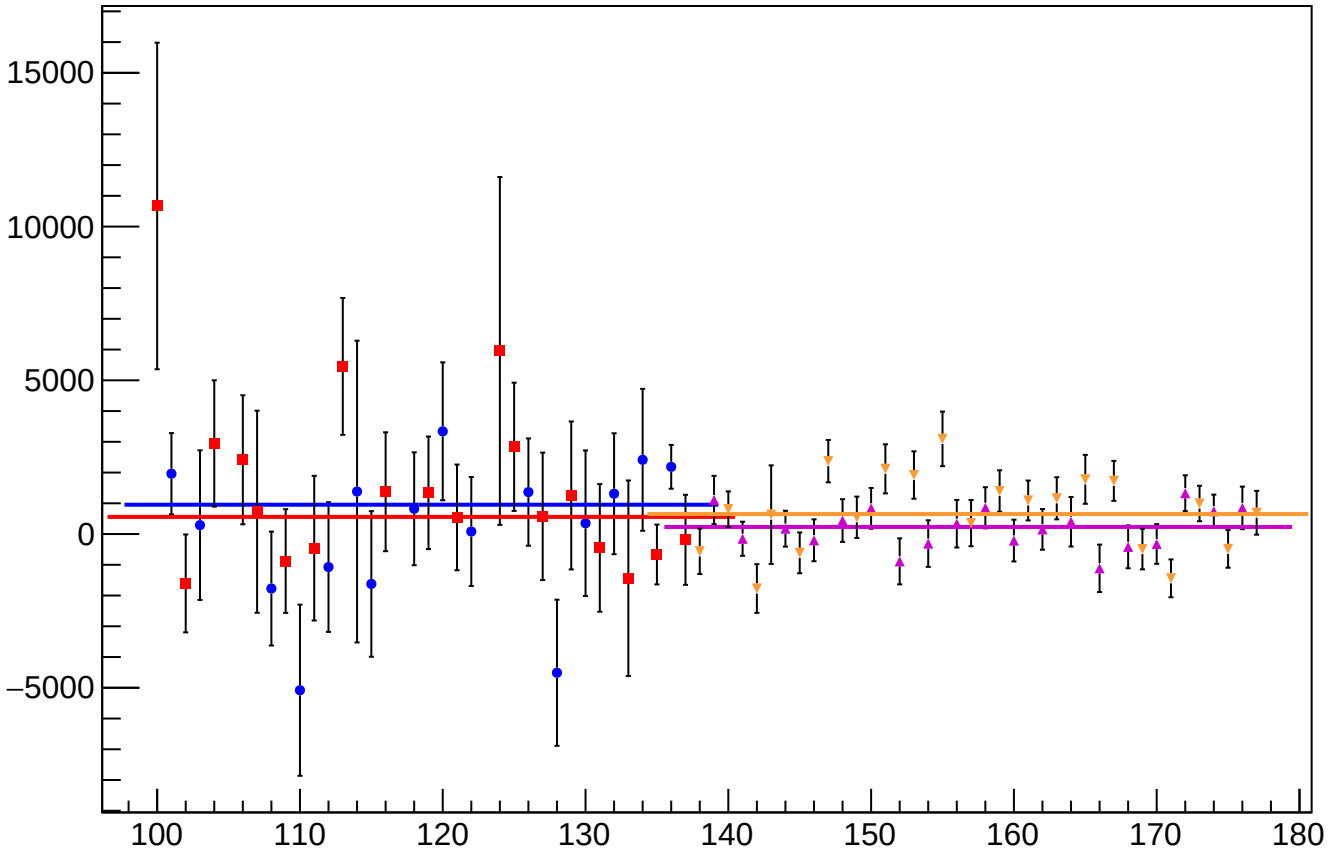
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1258.713+/-0.183 χ^2/NDF: 710093.6/36

All: 1257.540+/-0.131 χ^2/NDF: 1075023.7/74

- sign 1256.325+/-0.187 χ^2/NDF: 364846.8/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 650.593+/-152.555 χ^2/NDF:61.2/20

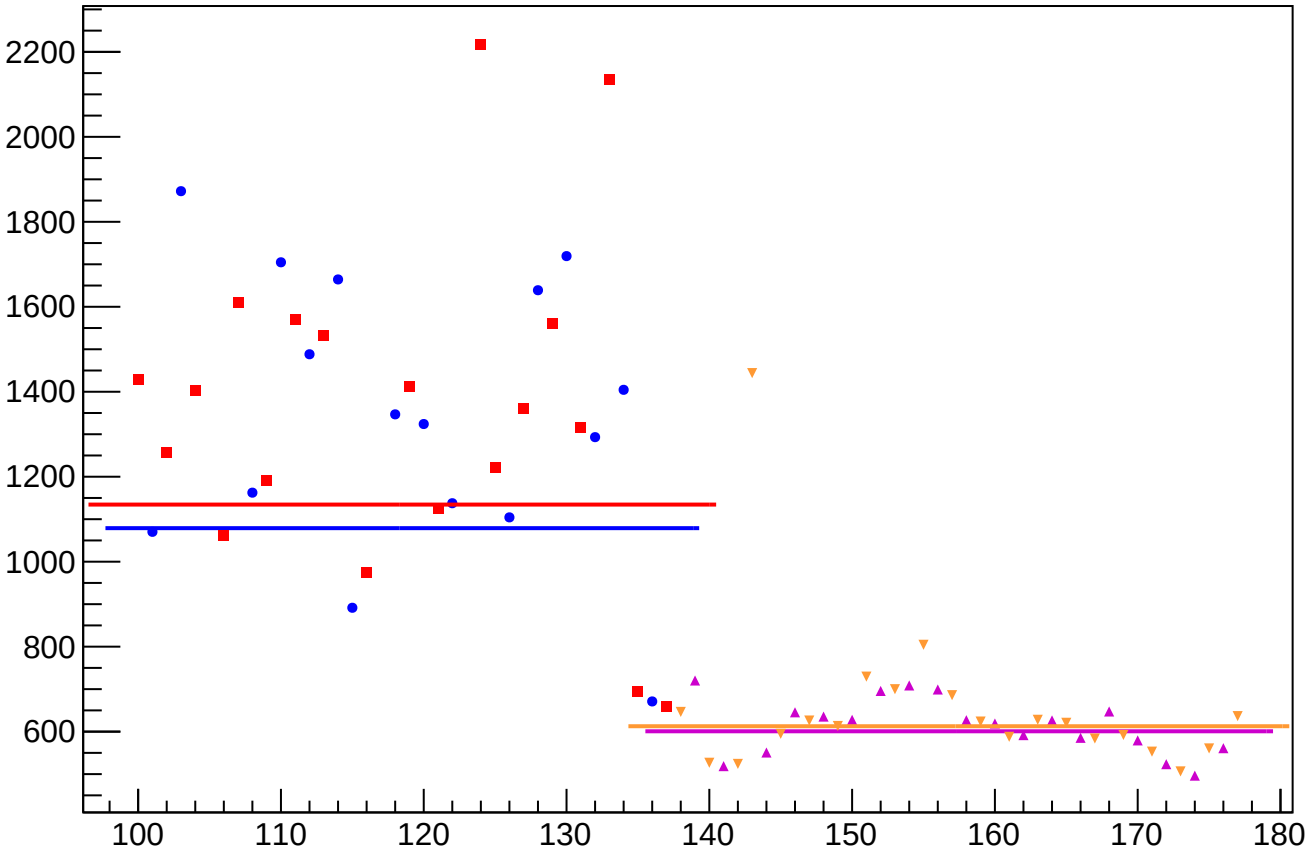
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 230.565+/-153.625 χ^2/NDF:17.1/18

+ sign 685.145+/-143.610 χ^2/NDF: 81.5/36

All: 477.701+/-102.059 χ^2/NDF: 121.7/74

- sign 266.028+/-145.066 χ^2/NDF: 36.0/37



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 612.702+/-0.108 χ^2/NDF:908027.8/20

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

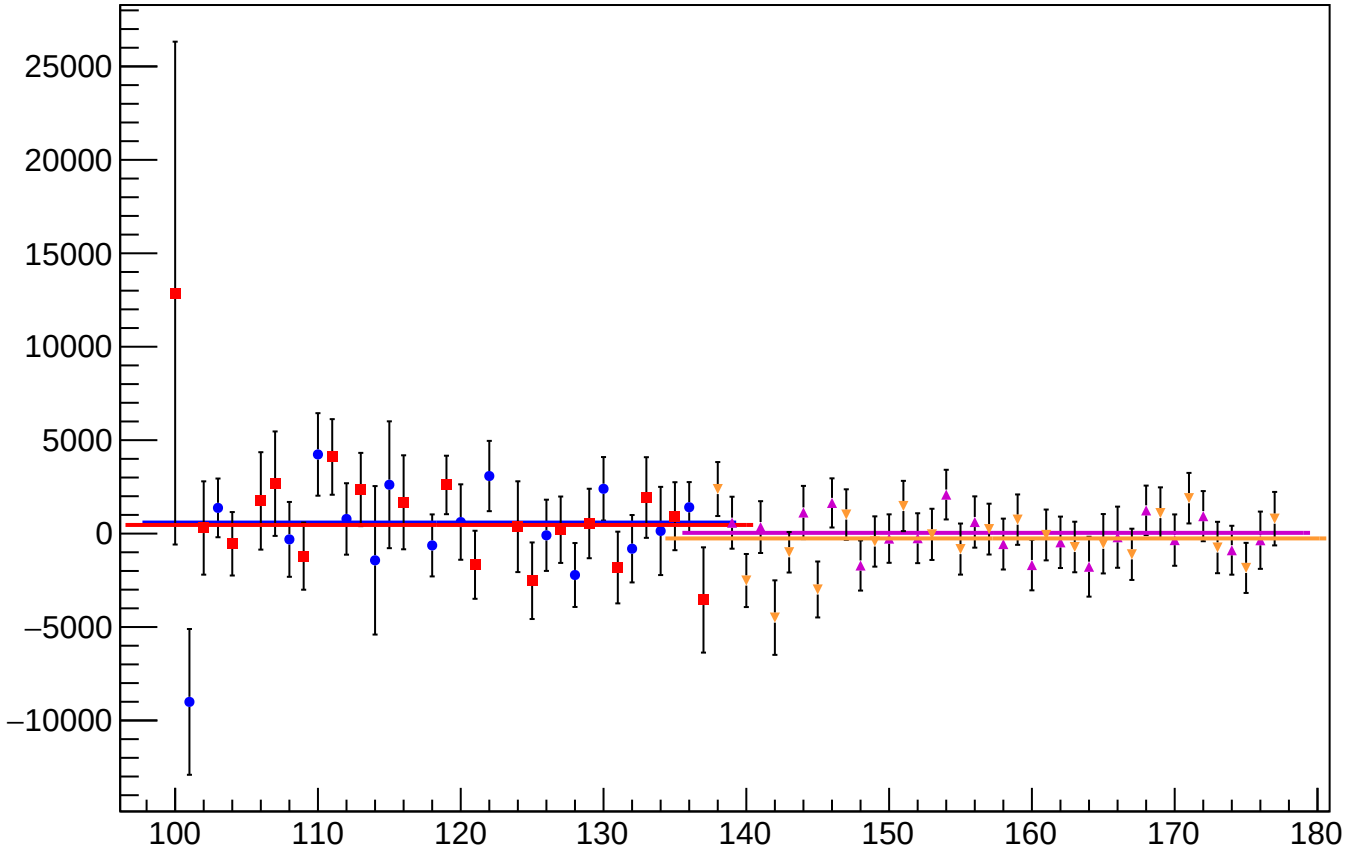
Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

+ sign 665.771+/-0.102 χ^2/NDF: 4513038.0/36

All: 662.223+/-0.072 χ^2/NDF: 8780919.3/74

- sign 658.602+/-0.103 χ^2/NDF: 4265414.2/37

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.828+/-301.527 χ^2/NDF:23.8/20

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

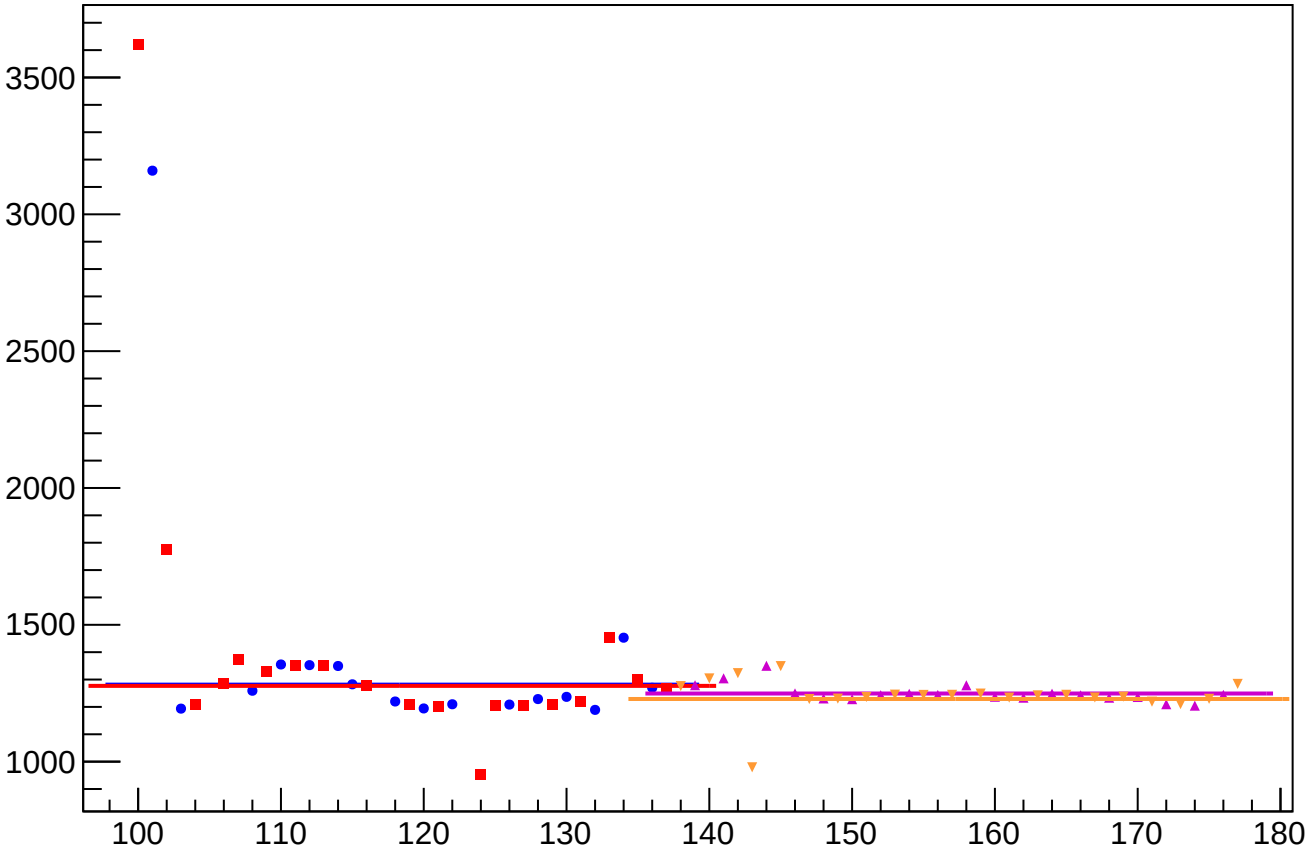
Left In: 39.558+/-316.920 χ^2/NDF:11.8/18

+ sign -22.451+/-256.144 χ^2/NDF: 43.1/36

All: 70.500+/-183.813 χ^2/NDF: 72.4/74

- sign 169.192+/-263.934 χ^2/NDF: 29.0/37

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1228.956+/-0.213 χ^2/NDF:136371.9/20

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

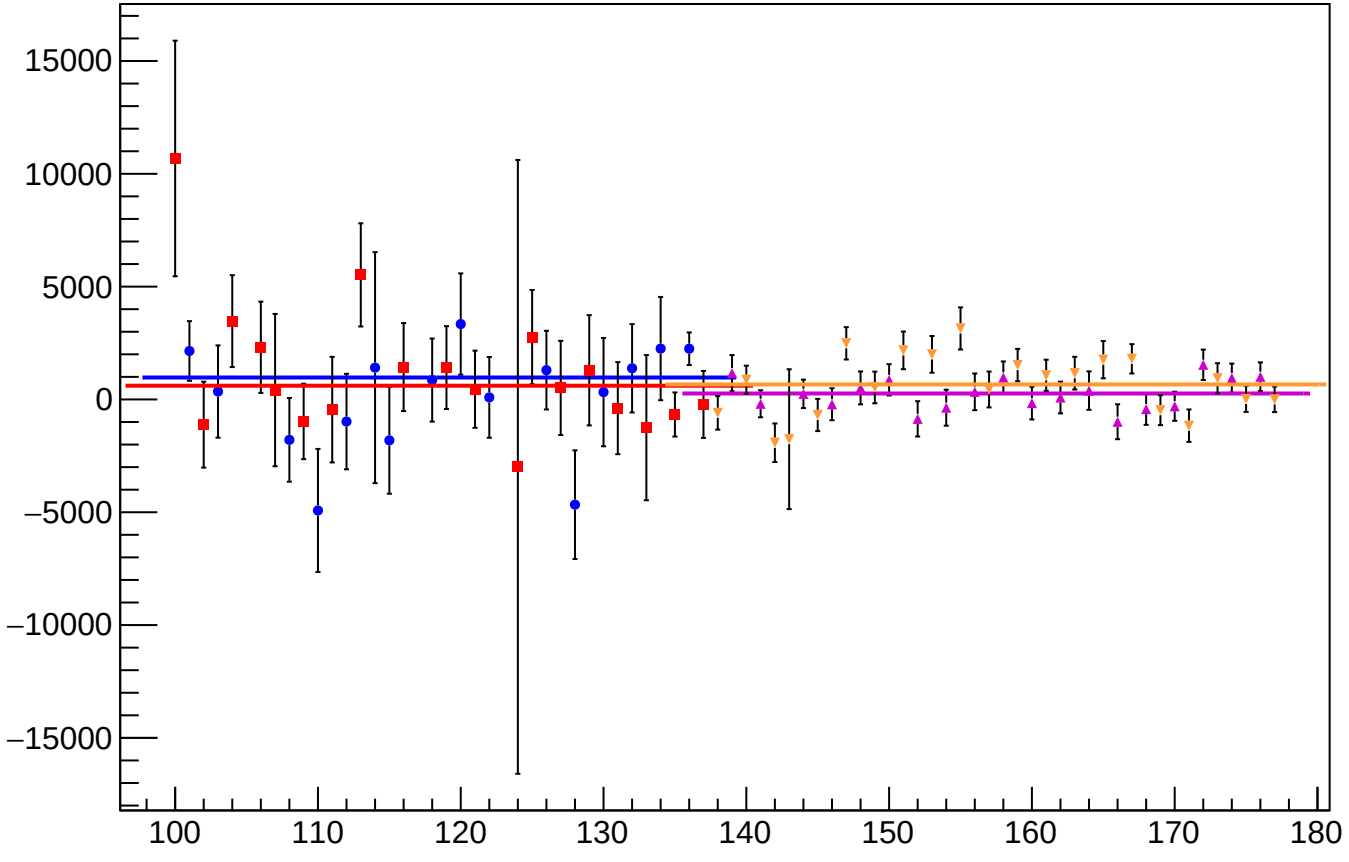
Left In: 1248.957+/-0.224 χ^2/NDF:21082.7/18

+ sign 1243.546+/-0.181 χ^2/NDF: 660272.4/36

All: 1250.317+/-0.130 χ^2/NDF: 909501.5/74

- sign 1257.507+/-0.187 χ^2/NDF: 246347.2/37

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 665.726+/-158.358 χ^2/NDF:55.2/20

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

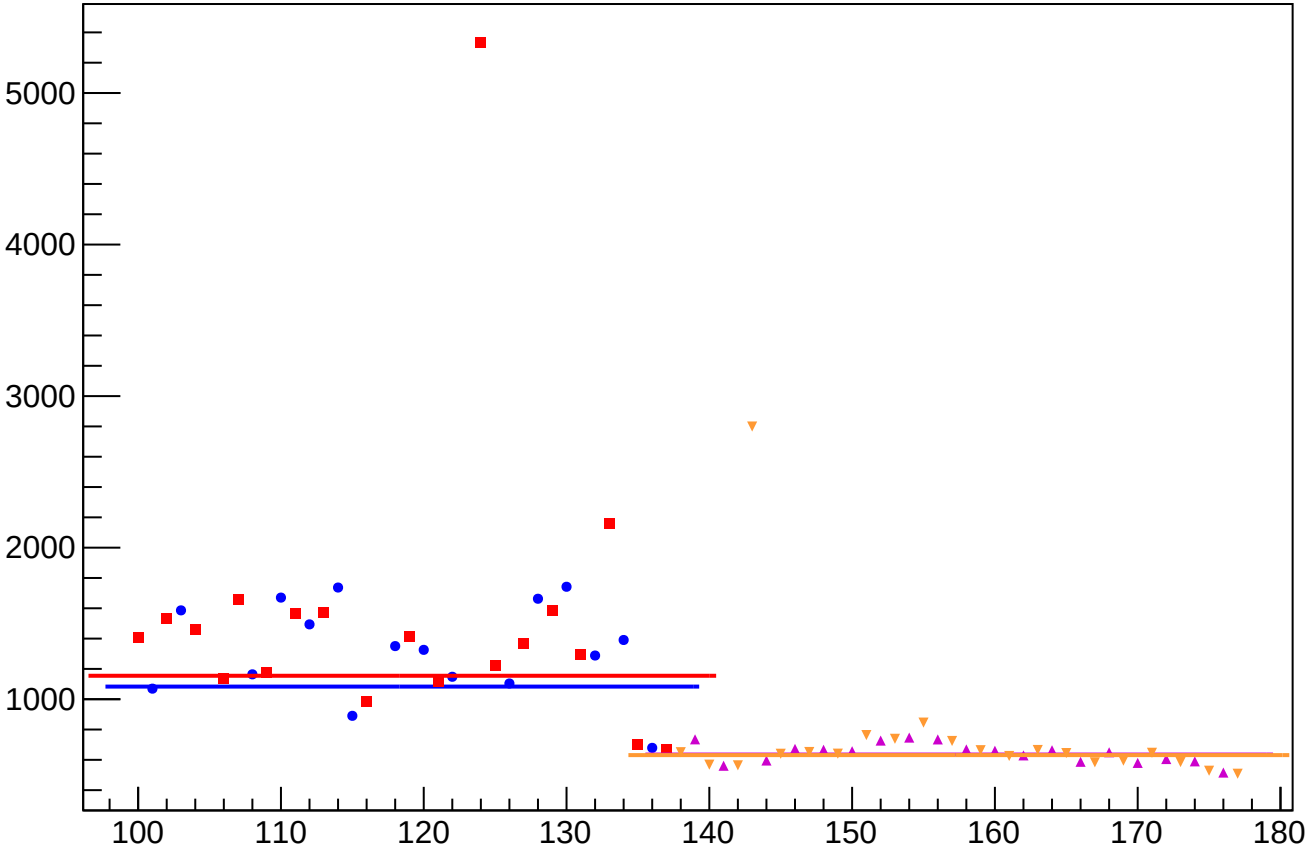
Left In: 263.669+/-162.125 χ^2/NDF:17.7/18

+ sign 703.065+/-148.401 χ^2/NDF: 76.1/36

All: 508.709+/-106.334 χ^2/NDF: 115.0/74

- sign 303.633+/-152.439 χ^2/NDF: 35.4/37

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: 631.200+/-0.112 χ^2/NDF:1428122.1/20

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

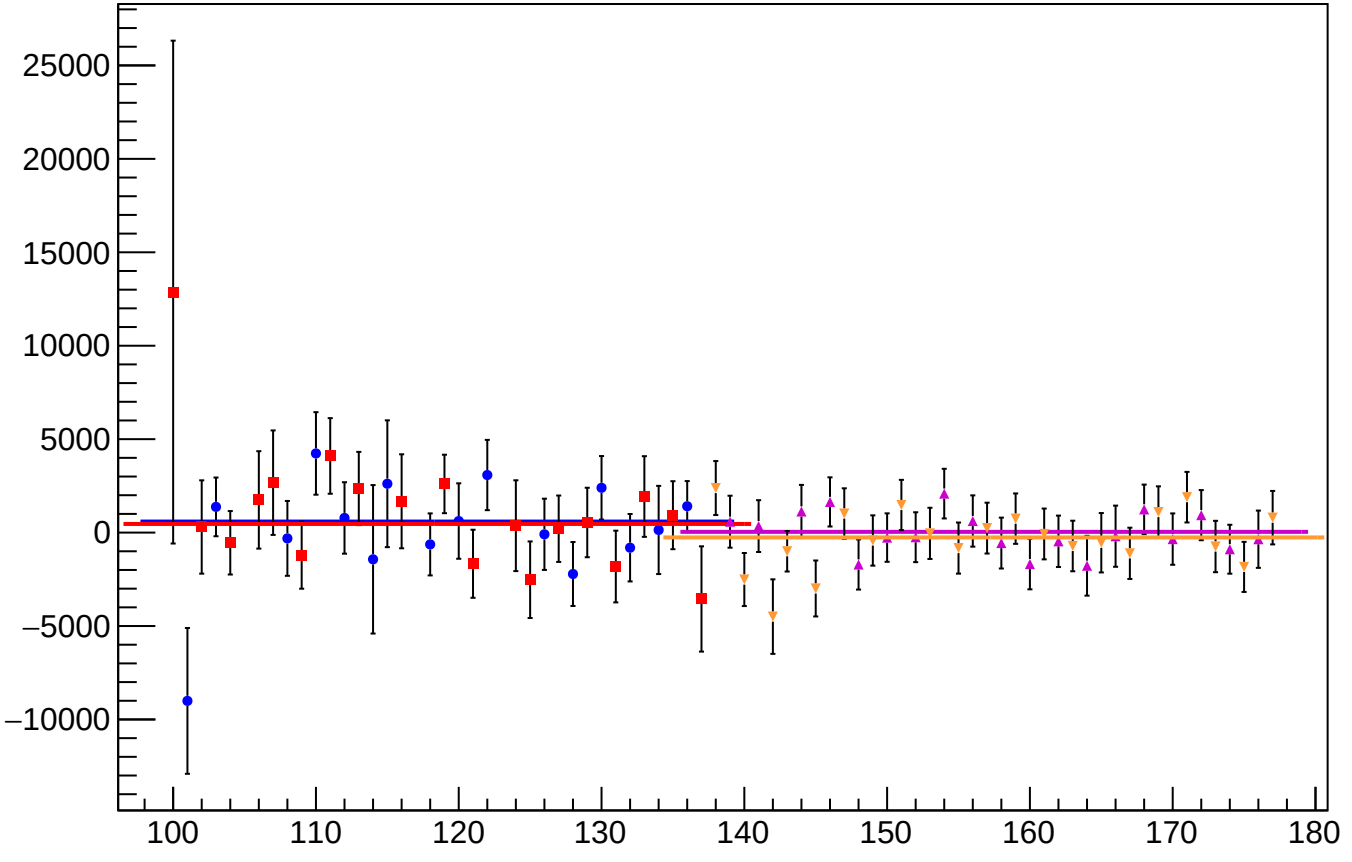
Left In: 634.968+/-0.115 χ^2/NDF:294225.7/18

+ sign 686.270+/-0.105 χ^2/NDF: 4774071.3/36

All: 690.624+/-0.075 χ^2/NDF: 8942907.0/74

- sign 695.217+/-0.108 χ^2/NDF: 4165298.3/37

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.829+/-301.527 χ^2/NDF:23.8/20

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

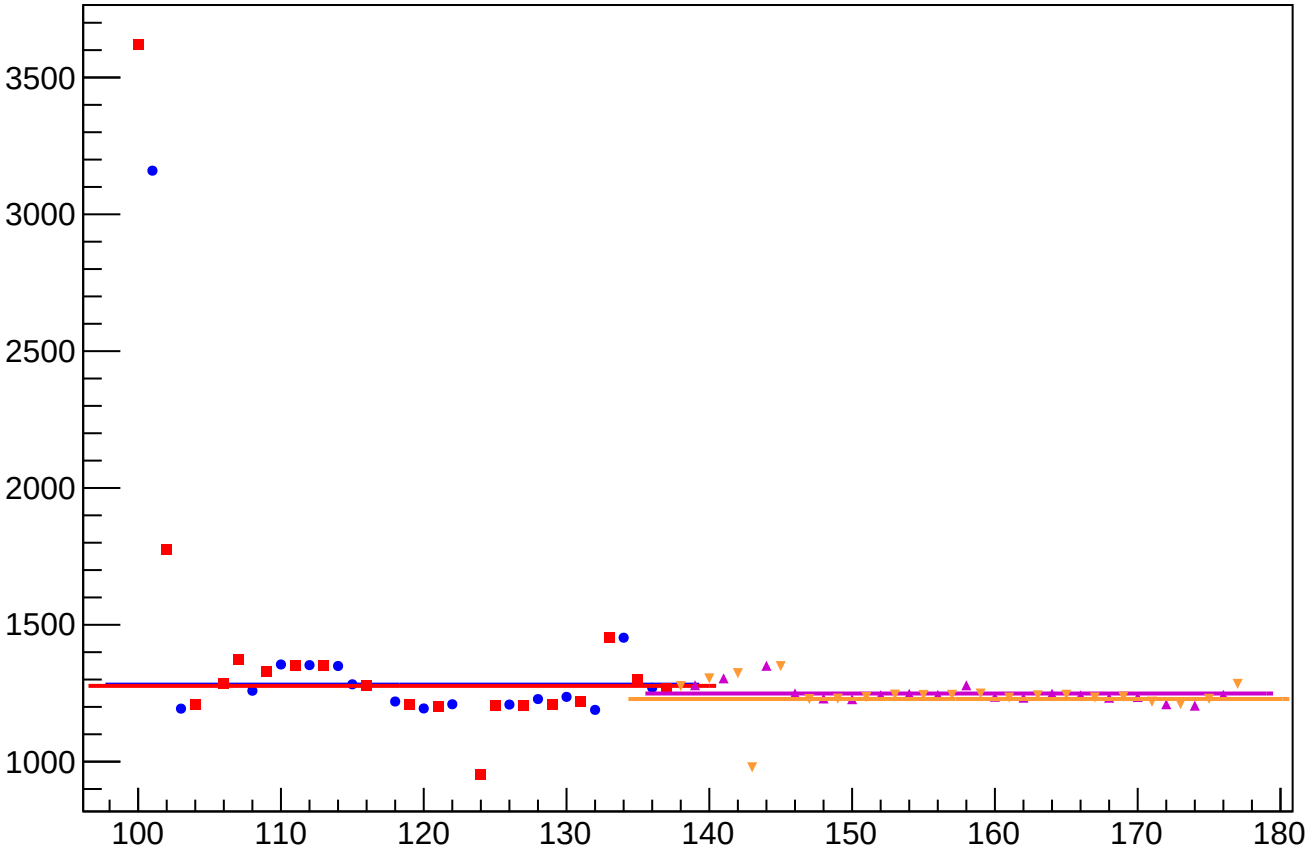
Left In: 39.558+/-316.920 χ^2/NDF:11.8/18

+ sign -22.452+/-256.144 χ^2/NDF: 43.1/36

All: 70.499+/-183.813 χ^2/NDF: 72.4/74

- sign 169.191+/-263.934 χ^2/NDF: 29.0/37

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: 1228.956+/-0.213 χ^2/NDF:136371.2/20

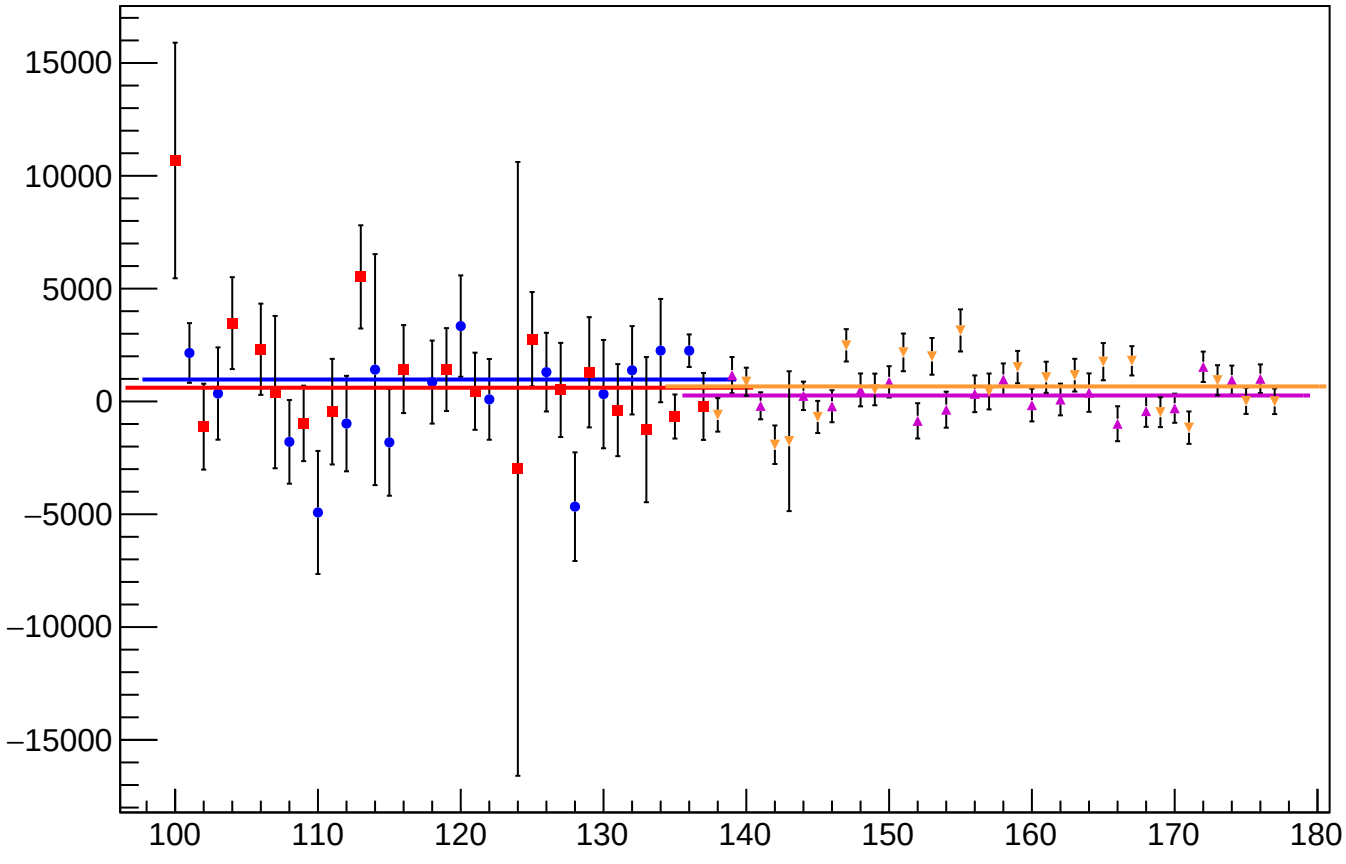
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.8/18

+ sign 1243.546+/-0.181 χ^2/NDF: 660271.7/36

All: 1250.317+/-0.130 χ^2/NDF: 909500.8/74

- sign 1257.507+/-0.187 χ^2/NDF: 246347.1/37



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 665.726+/-158.358 χ^2/NDF:55.2/20

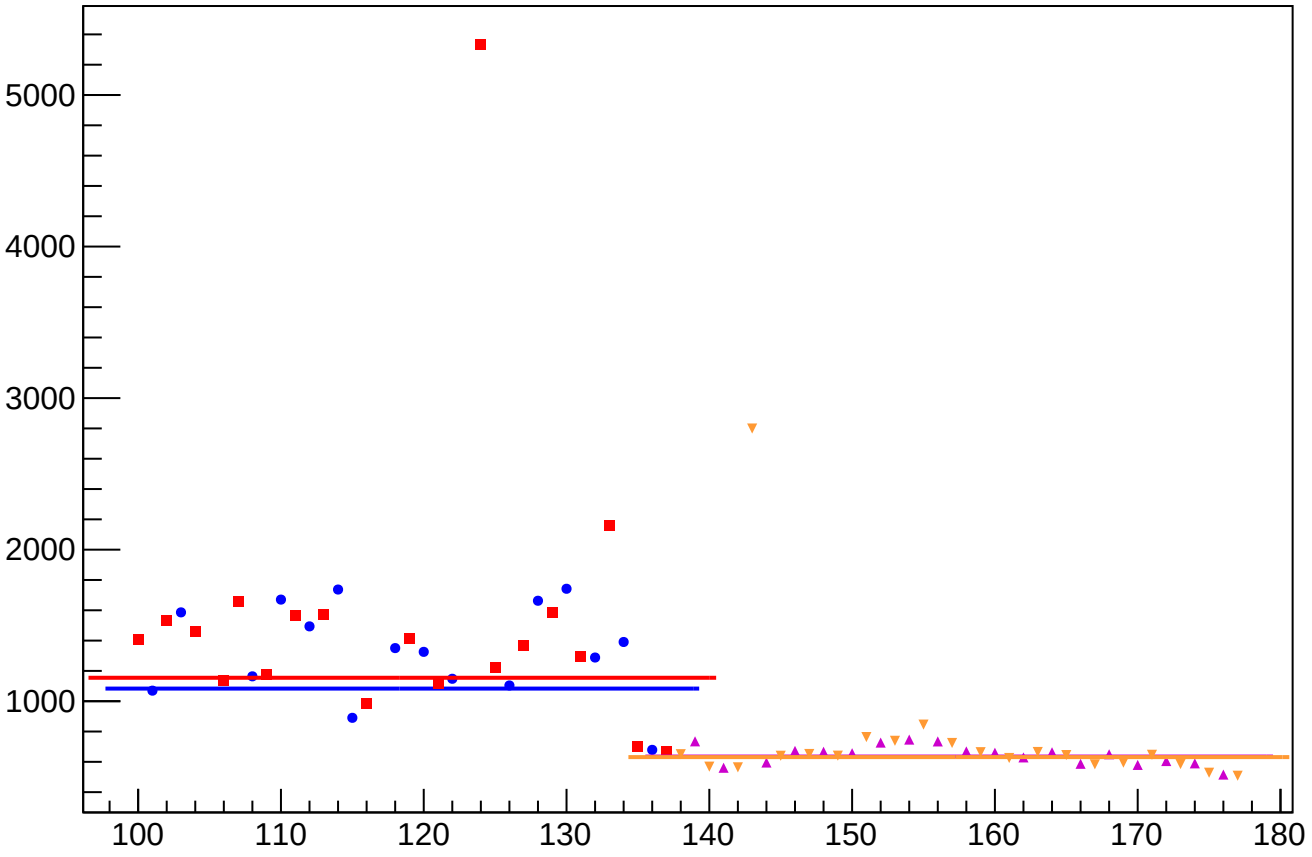
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 263.668+/-162.125 χ^2/NDF:17.7/18

\+ sign 703.065+/-148.401 χ^2/NDF: 76.1/36

All: 508.709+/-106.334 χ^2/NDF: 115.0/74

\- sign 303.633+/-152.439 χ^2/NDF: 35.4/37



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 631.200+/-0.112 χ^2/NDF:1428118.6/20

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

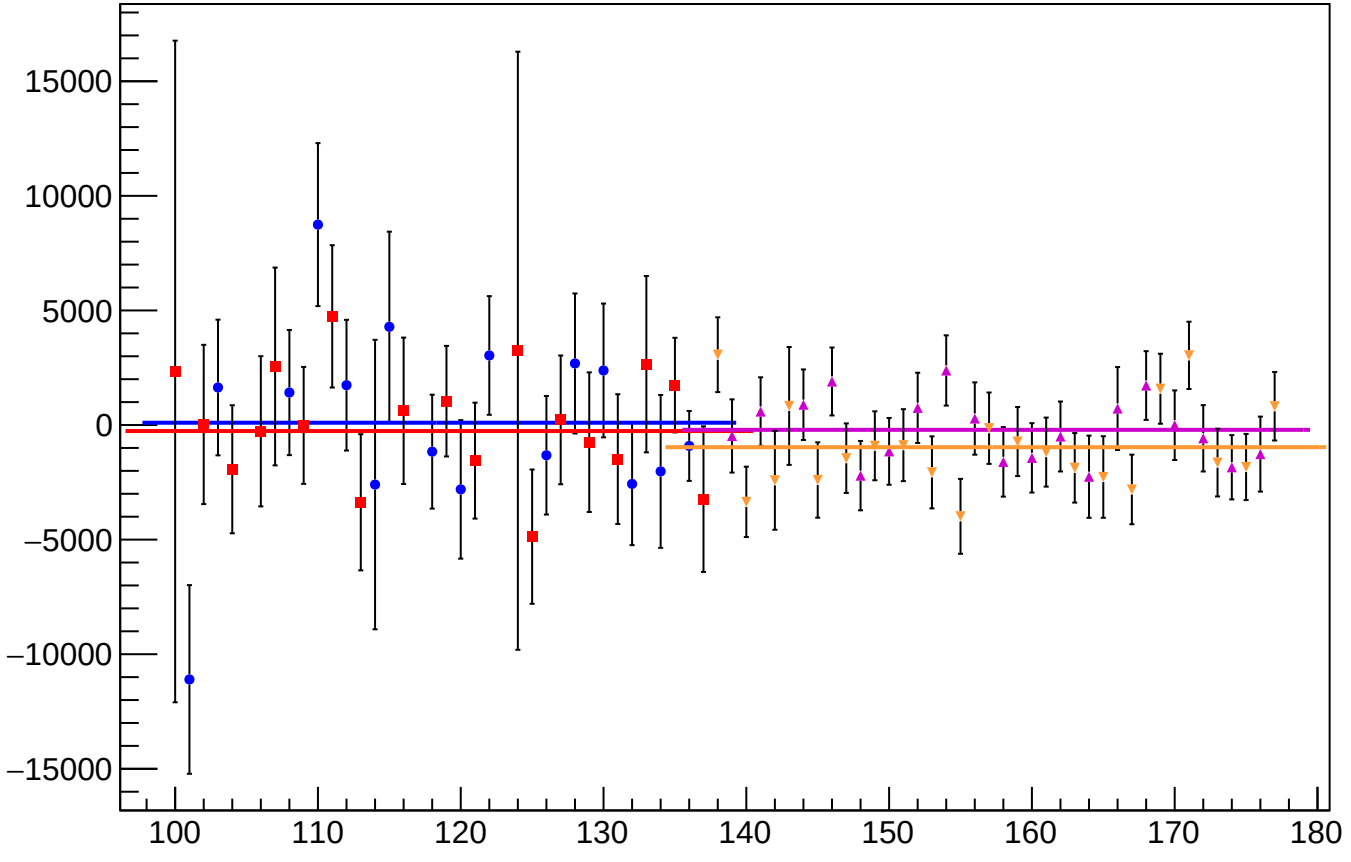
Left In: 634.967+/-0.115 χ^2/NDF:294228.9/18

+ sign 686.270+/-0.105 χ^2/NDF: 4774053.7/36

All: 690.624+/-0.075 χ^2/NDF: 8942893.9/74

- sign 695.217+/-0.108 χ^2/NDF: 4165303.1/37

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -966.800+/-345.996 χ^2/NDF:29.2/20

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

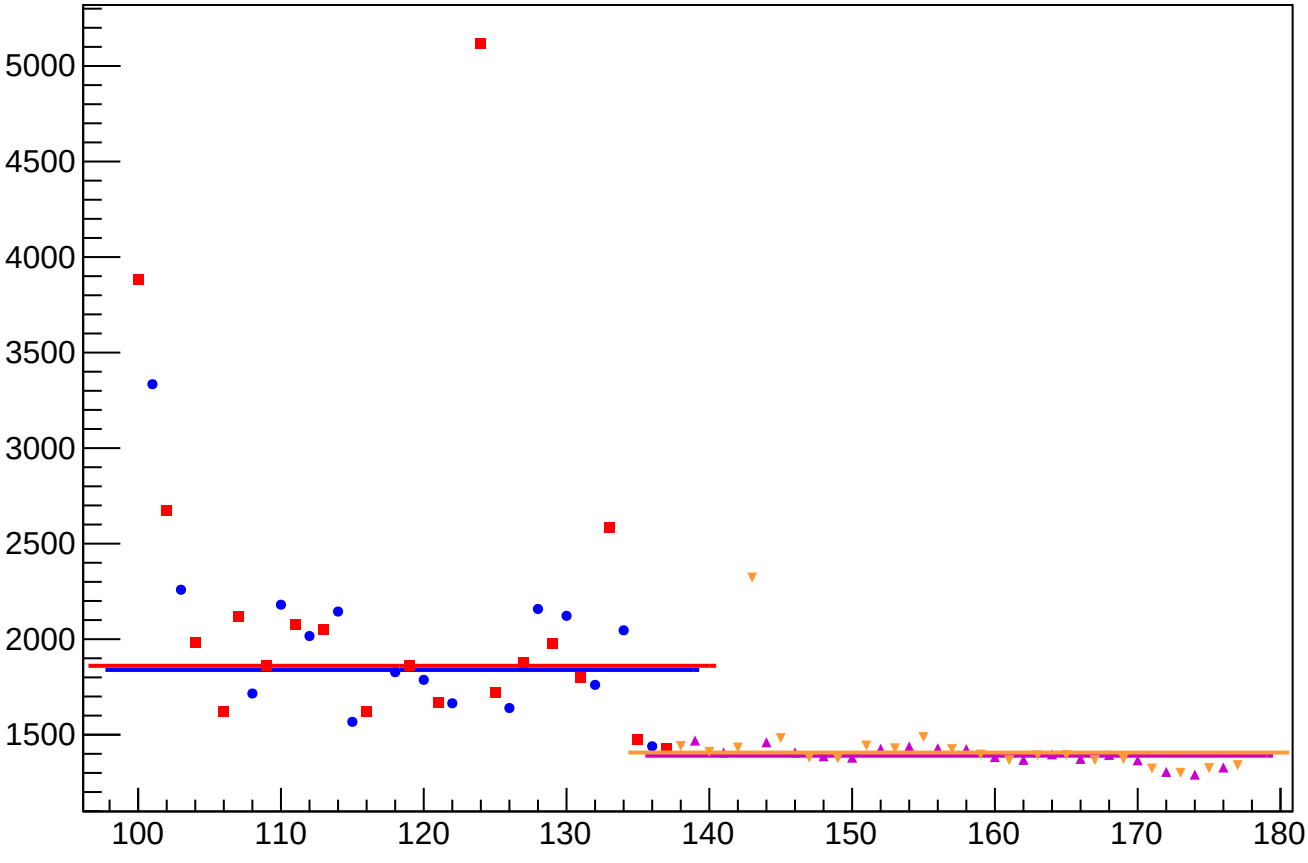
Left In: -210.020+/-352.862 χ^2/NDF:15.0/18

\+ sign -756.762+/-310.086 χ^2/NDF: 52.3/36

All: -493.006+/-221.004 χ^2/NDF: 79.1/74

\- sign -220.707+/-315.068 χ^2/NDF: 25.3/37

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1406.670+/-0.245 χ^2/NDF:298275.4/20

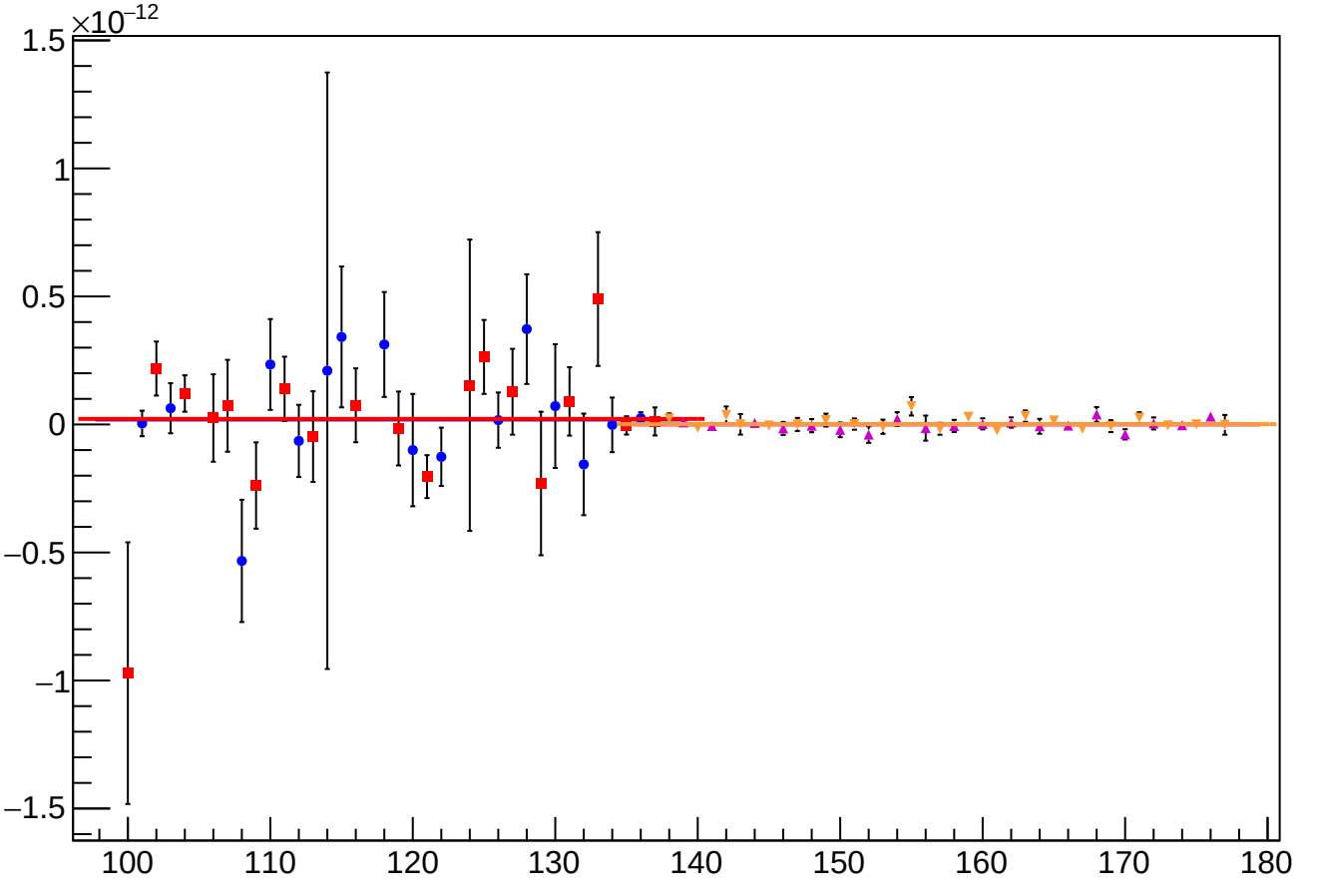
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1390.175+/-0.250 χ^2/NDF:35958.2/18

+ sign 1491.776+/-0.219 χ^2/NDF: 1469863.2/36

All: 1488.730+/-0.156 χ^2/NDF: 2749510.4/74

- sign 1485.585+/-0.223 χ^2/NDF: 1279254.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/20

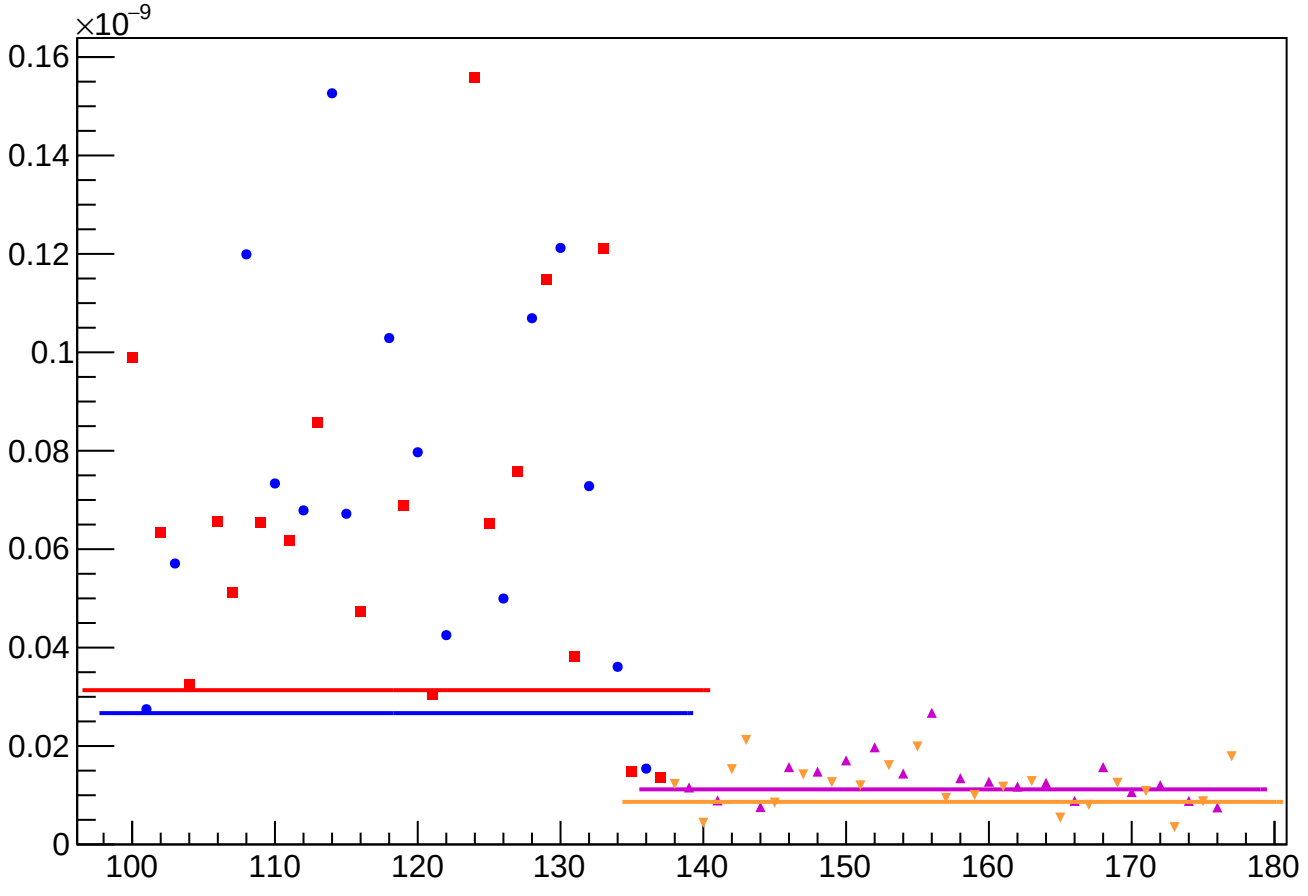
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/36

All: 0.000+/-0.000 χ^2/NDF: 77.8/74

- sign 0.000+/-0.000 χ^2/NDF: 41.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2114148.2/20

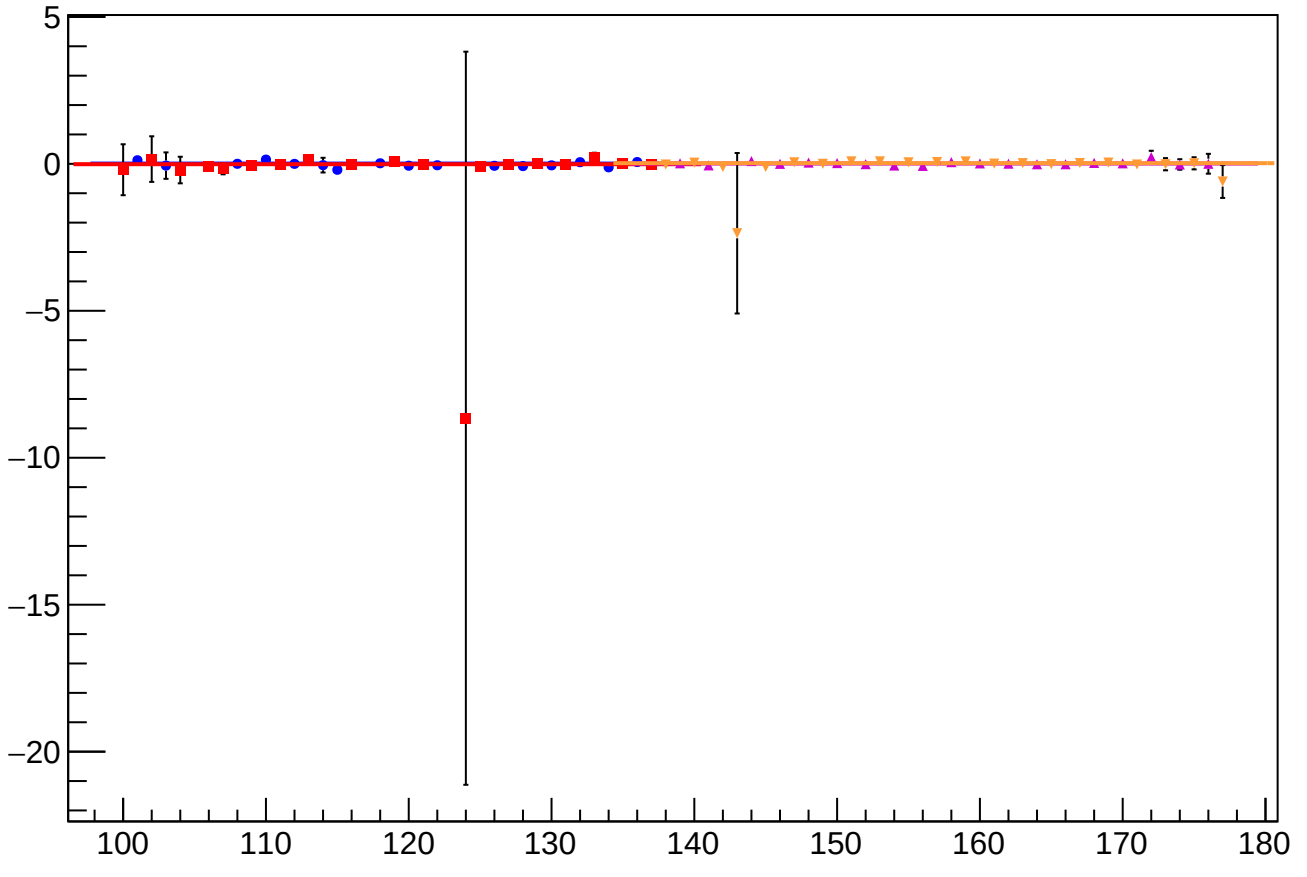
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988234.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 6452614.2/36

All: 0.000+/-0.000 χ^2/NDF: 11648827.5/74

- sign 0.000+/-0.000 χ^2/NDF: 4823174.8/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

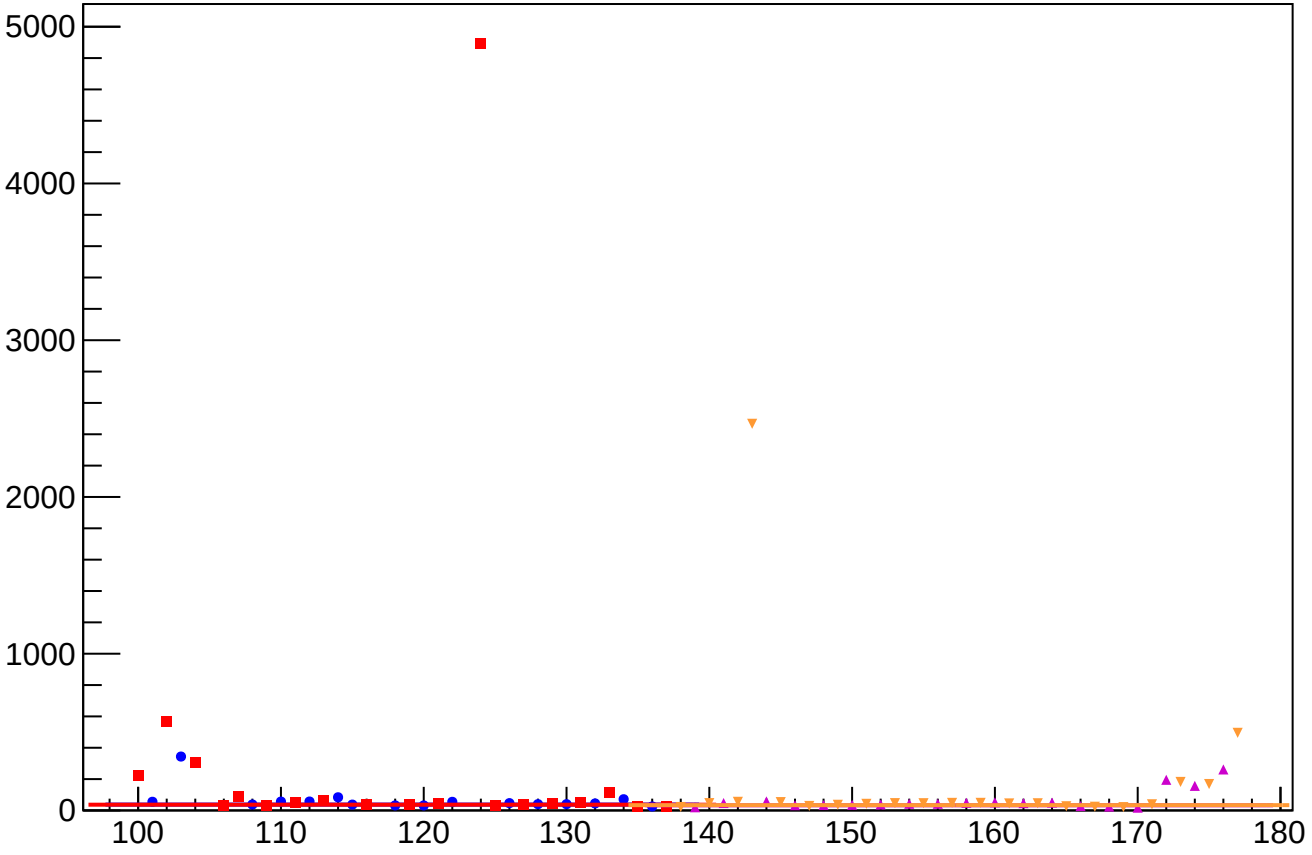
Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.4/74

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37

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: 33.822+/-0.007 χ^2/NDF:7220370.2/20

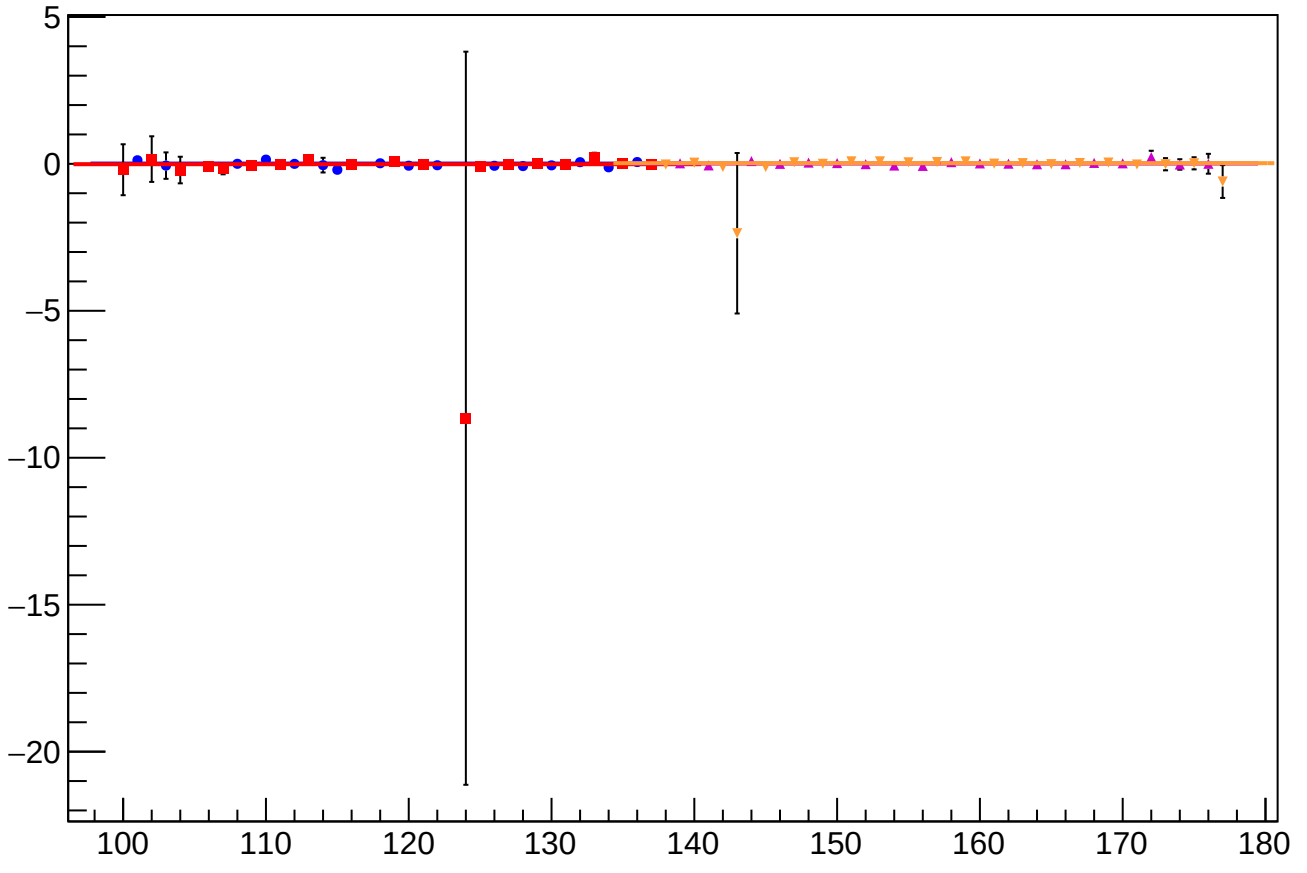
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

+ sign 34.879+/-0.006 χ^2/NDF: 9277964.0/36

All: 34.365+/-0.004 χ^2/NDF: 18298972.6/74

- sign 33.861+/-0.006 χ^2/NDF: 9006948.8/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

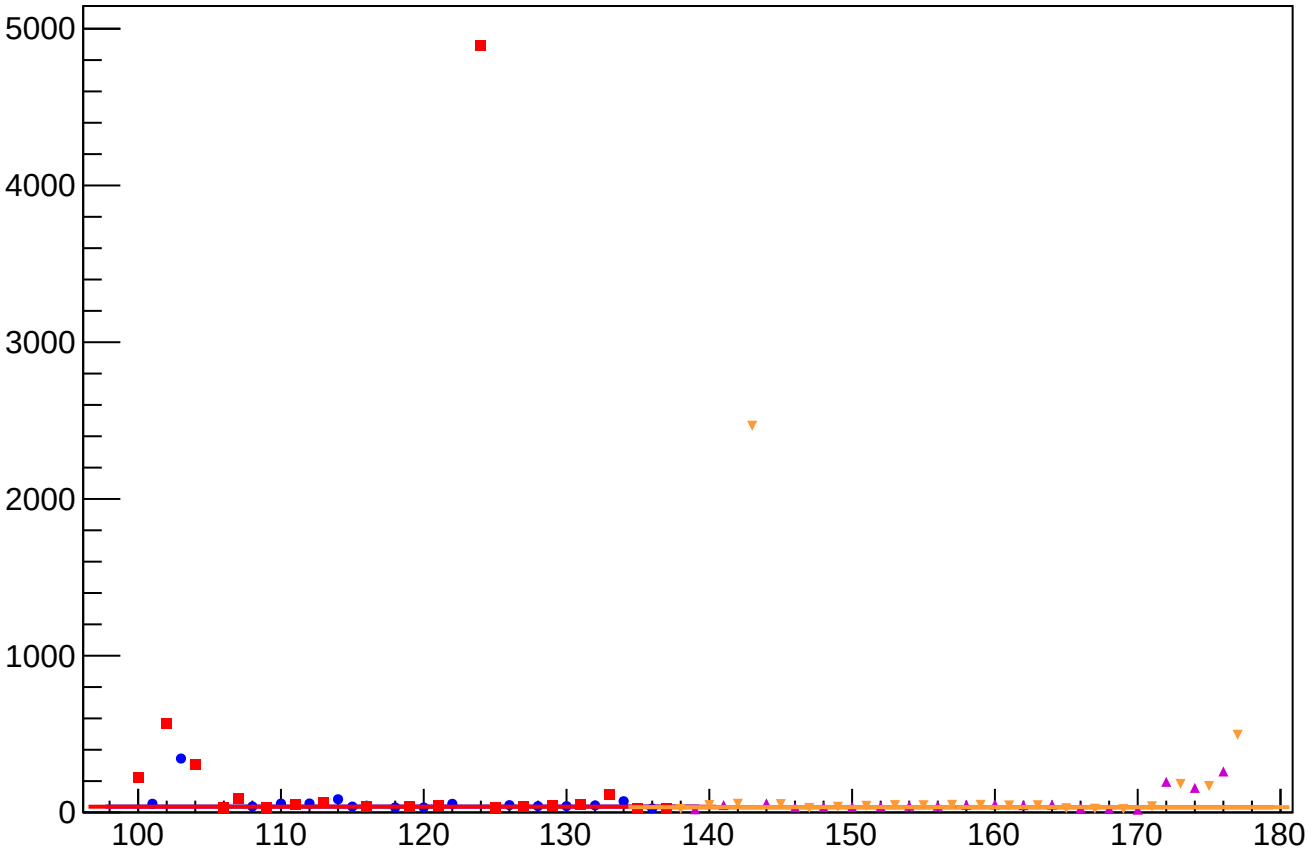
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.4/74

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.822+/-0.007 χ^2/NDF:7220370.2/20

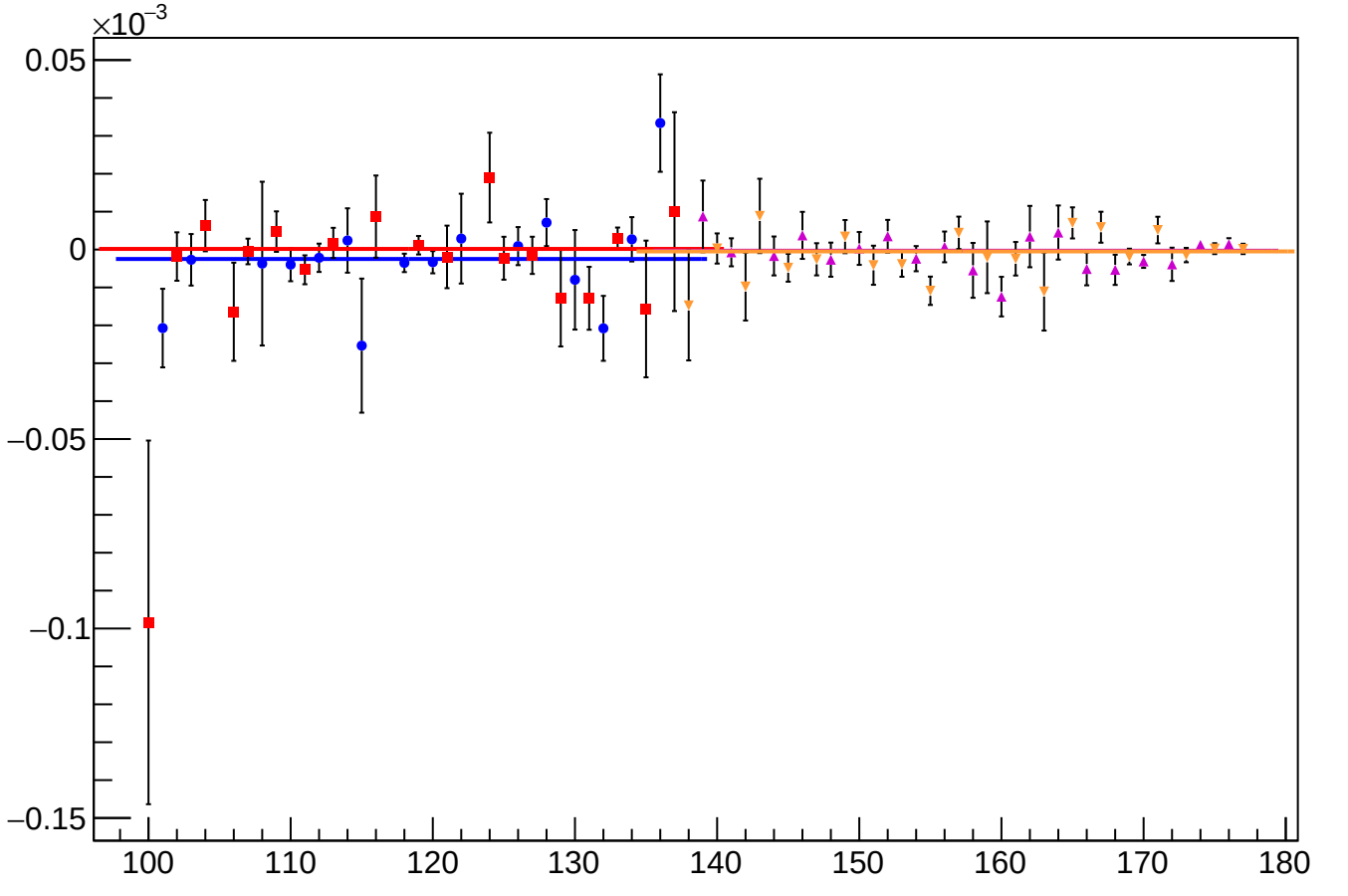
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

+ sign 34.879+/-0.006 χ^2/NDF: 9277964.0/36

All: 34.365+/-0.004 χ^2/NDF: 18298972.6/74

- sign 33.861+/-0.006 χ^2/NDF: 9006948.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/20

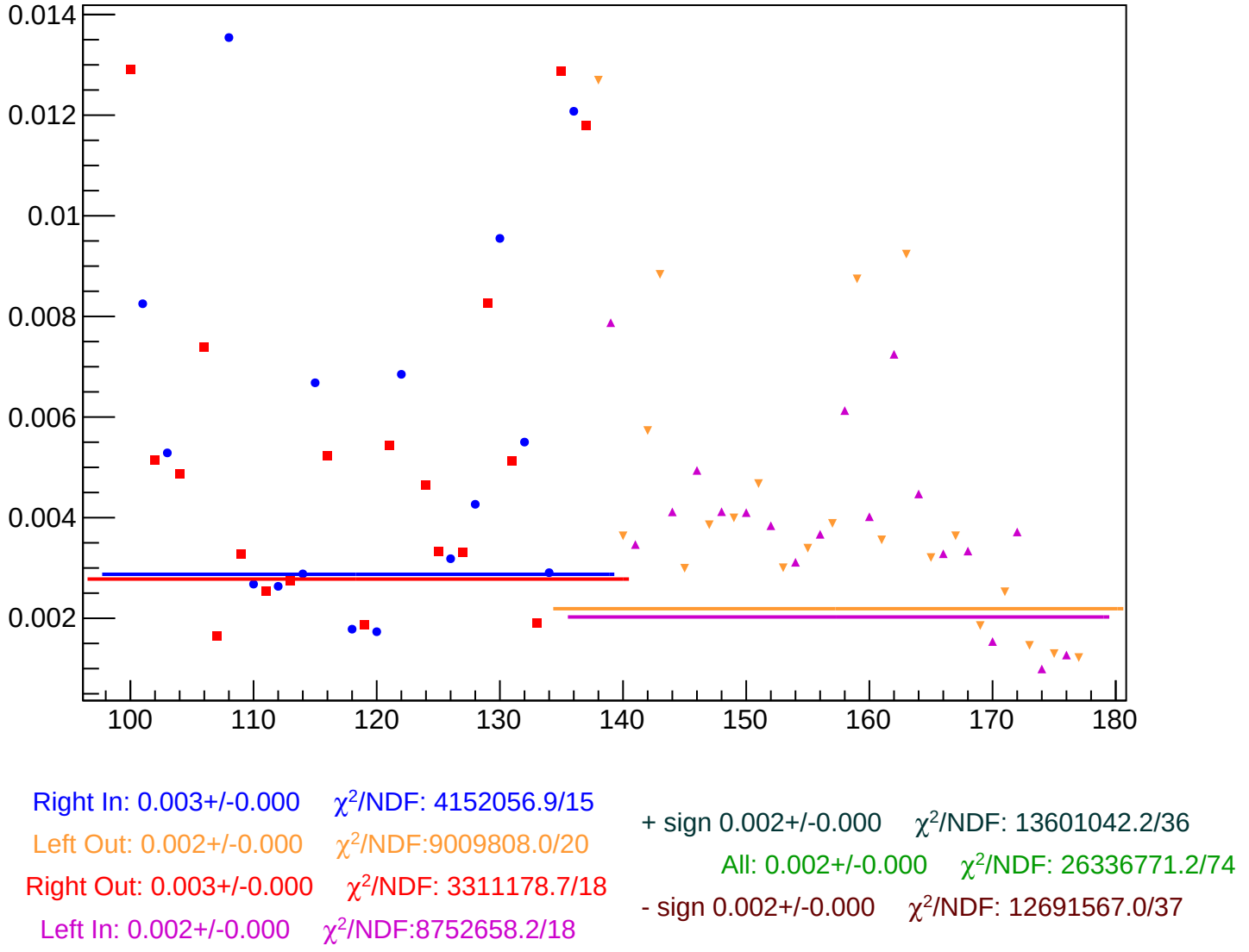
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

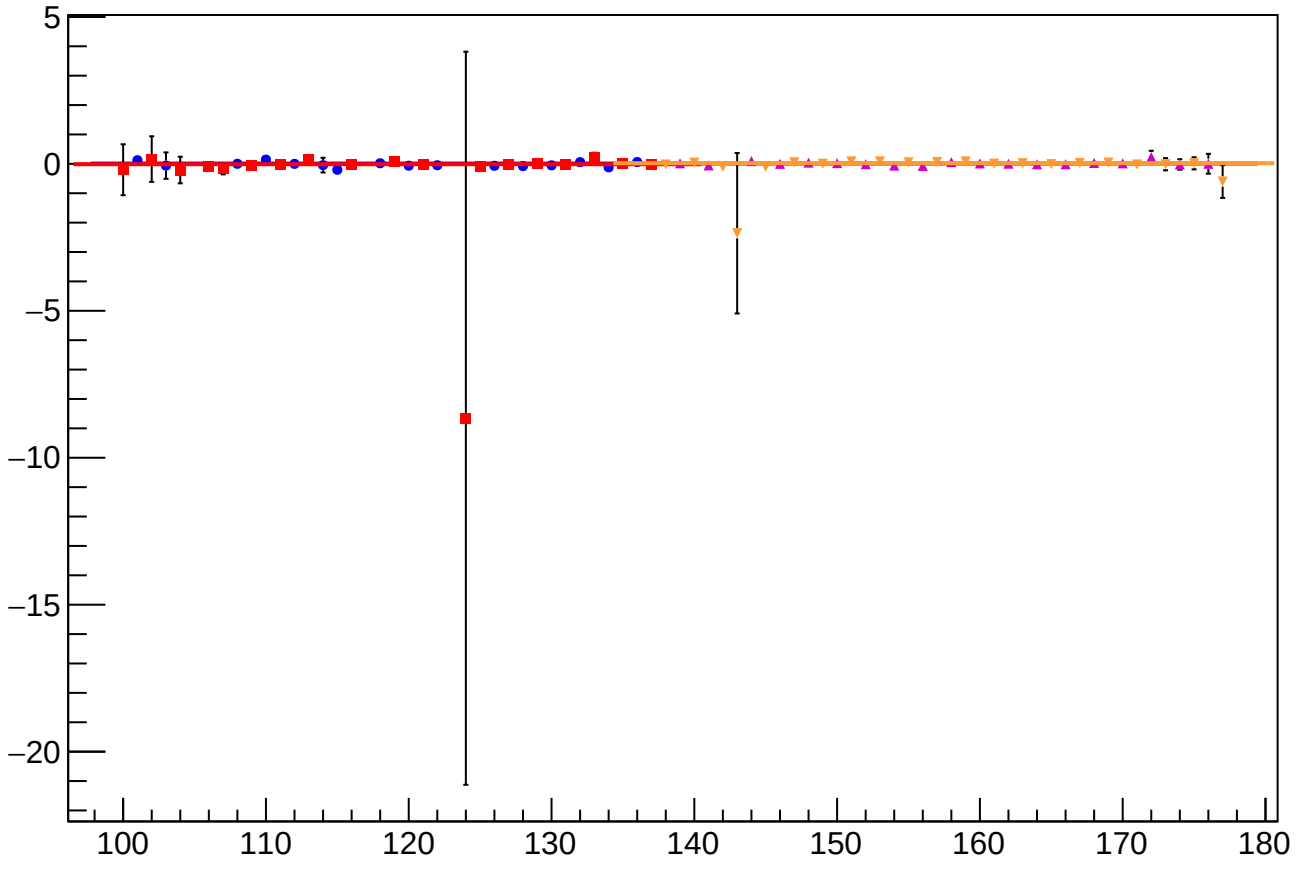
Left In: -0.000+/-0.000 χ^2/NDF:18.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/36

All: -0.000+/-0.000 χ^2/NDF: 89.1/74

- sign -0.000+/-0.000 χ^2/NDF: 37.9/37


asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.002+/-0.000 χ²/NDF:9009808.0/20
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.002+/-0.000 χ²/NDF:8752658.2/18
+ sign 0.002+/-0.000 χ²/NDF: 13601042.2/36
All: 0.002+/-0.000 χ²/NDF: 26336771.2/74
- sign 0.002+/-0.000 χ²/NDF: 12691567.0/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

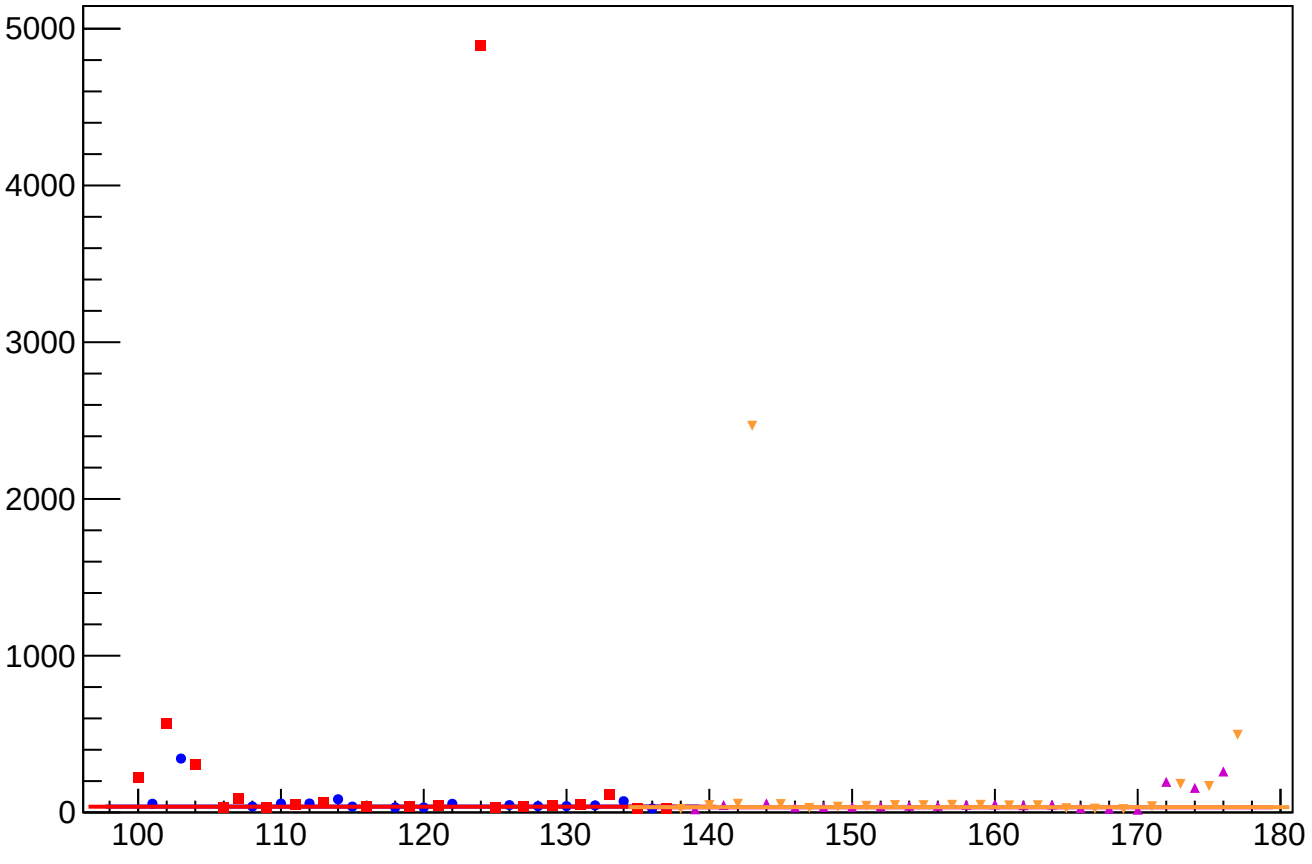
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.4/74

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

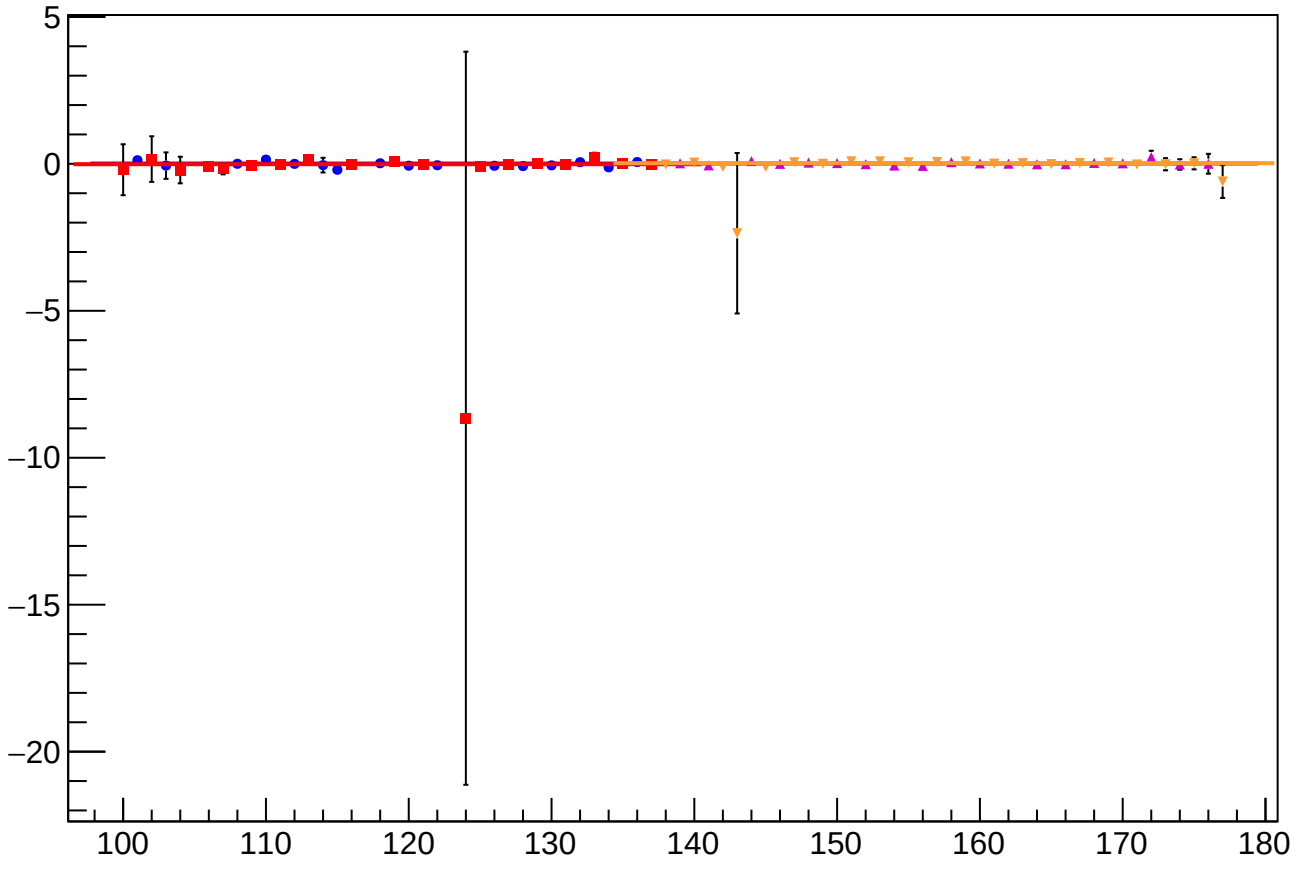
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

+ sign 34.878+/-0.006 χ^2/NDF: 9278043.3/36

All: 34.366+/-0.004 χ^2/NDF: 18297450.7/74

- sign 33.863+/-0.006 χ^2/NDF: 9005421.4/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

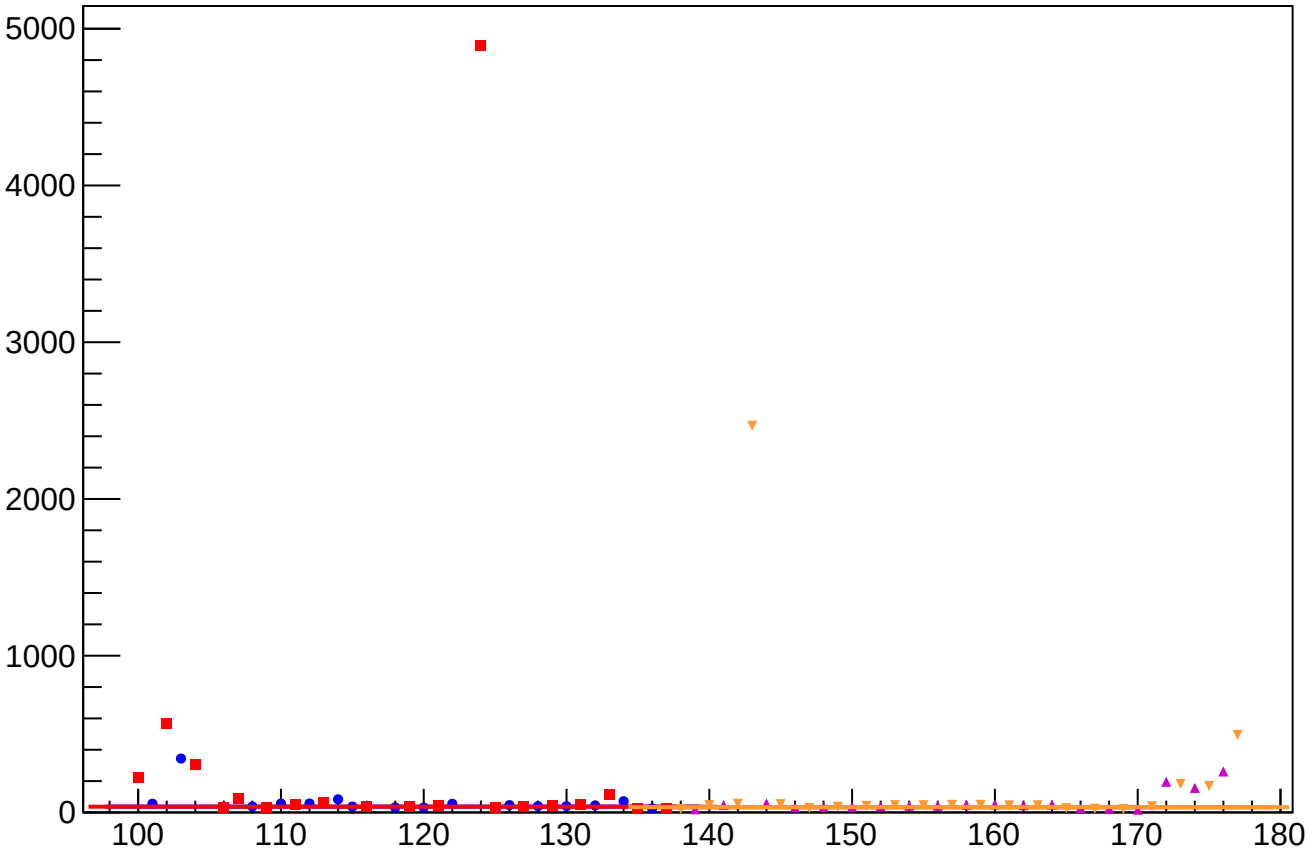
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.4/74

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

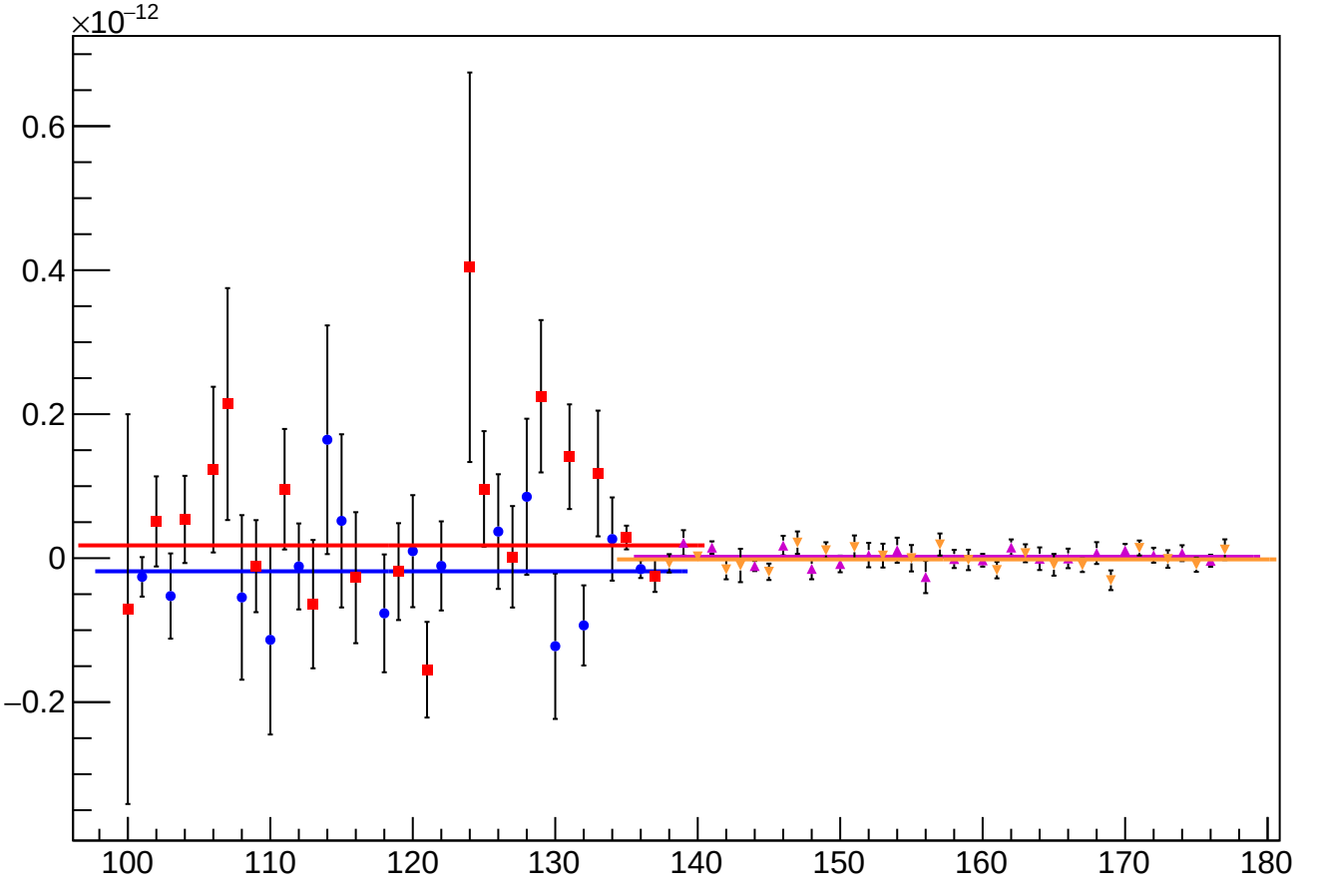
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

+ sign 34.878+/-0.006 χ^2/NDF: 9278043.3/36

All: 34.366+/-0.004 χ^2/NDF: 18297450.7/74

- sign 33.863+/-0.006 χ^2/NDF: 9005421.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/20

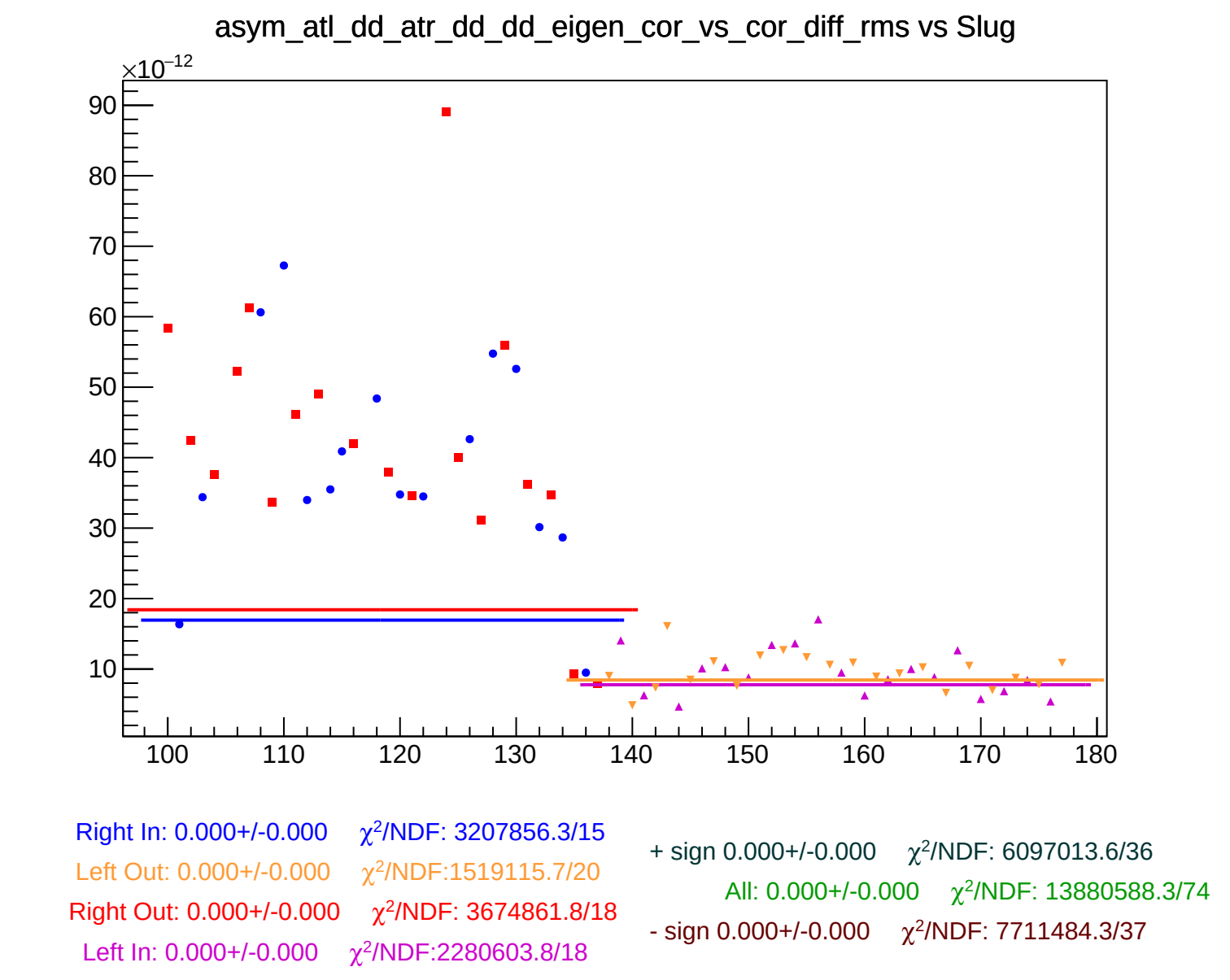
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/18

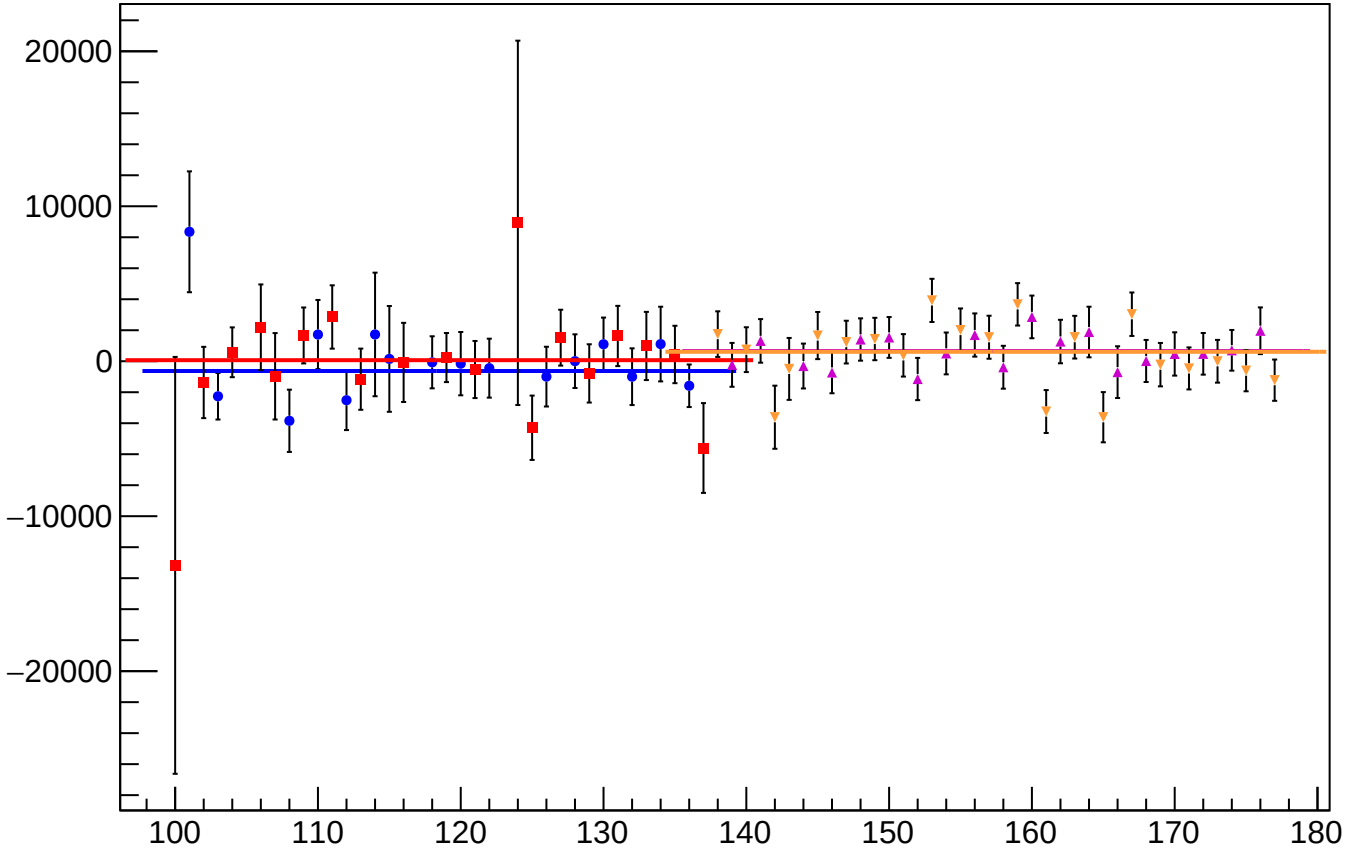
+ sign -0.000+/-0.000 χ^2/NDF: 32.8/36

All: 0.000+/-0.000 χ^2/NDF: 79.9/74

- sign 0.000+/-0.000 χ^2/NDF: 44.7/37


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:1519115.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2280603.8/18
+ sign 0.000+/-0.000 χ²/NDF: 6097013.6/36
All: 0.000+/-0.000 χ²/NDF: 13880588.3/74
- sign 0.000+/-0.000 χ²/NDF: 7711484.3/37

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.349+/-313.353 χ^2/NDF:40.3/20

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

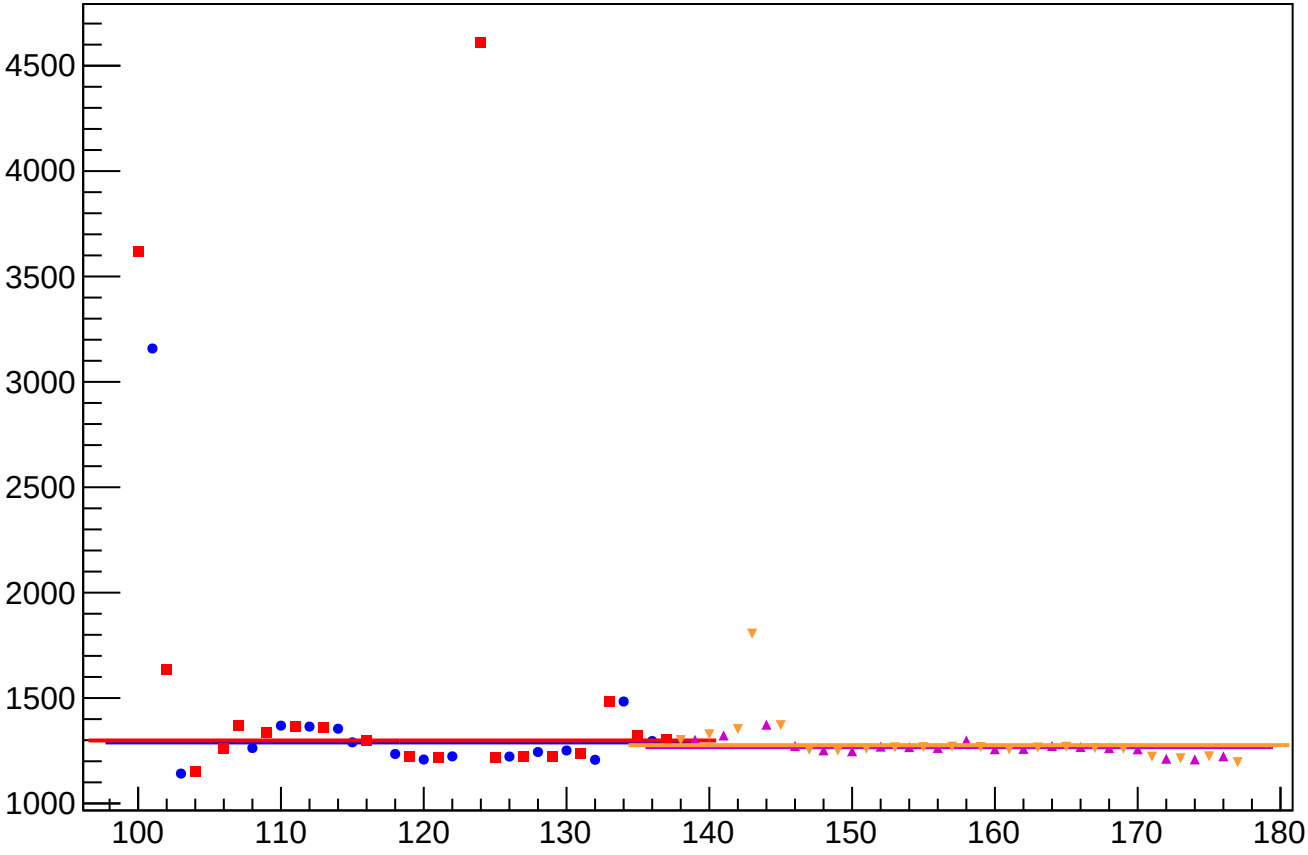
Left In: 656.785+/-321.523 χ^2/NDF:10.7/18

\+ sign 248.630+/-263.779 χ^2/NDF: 58.8/36

All: 361.467+/-188.149 χ^2/NDF: 86.8/74

\- sign 478.332+/-268.447 χ^2/NDF: 27.6/37

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

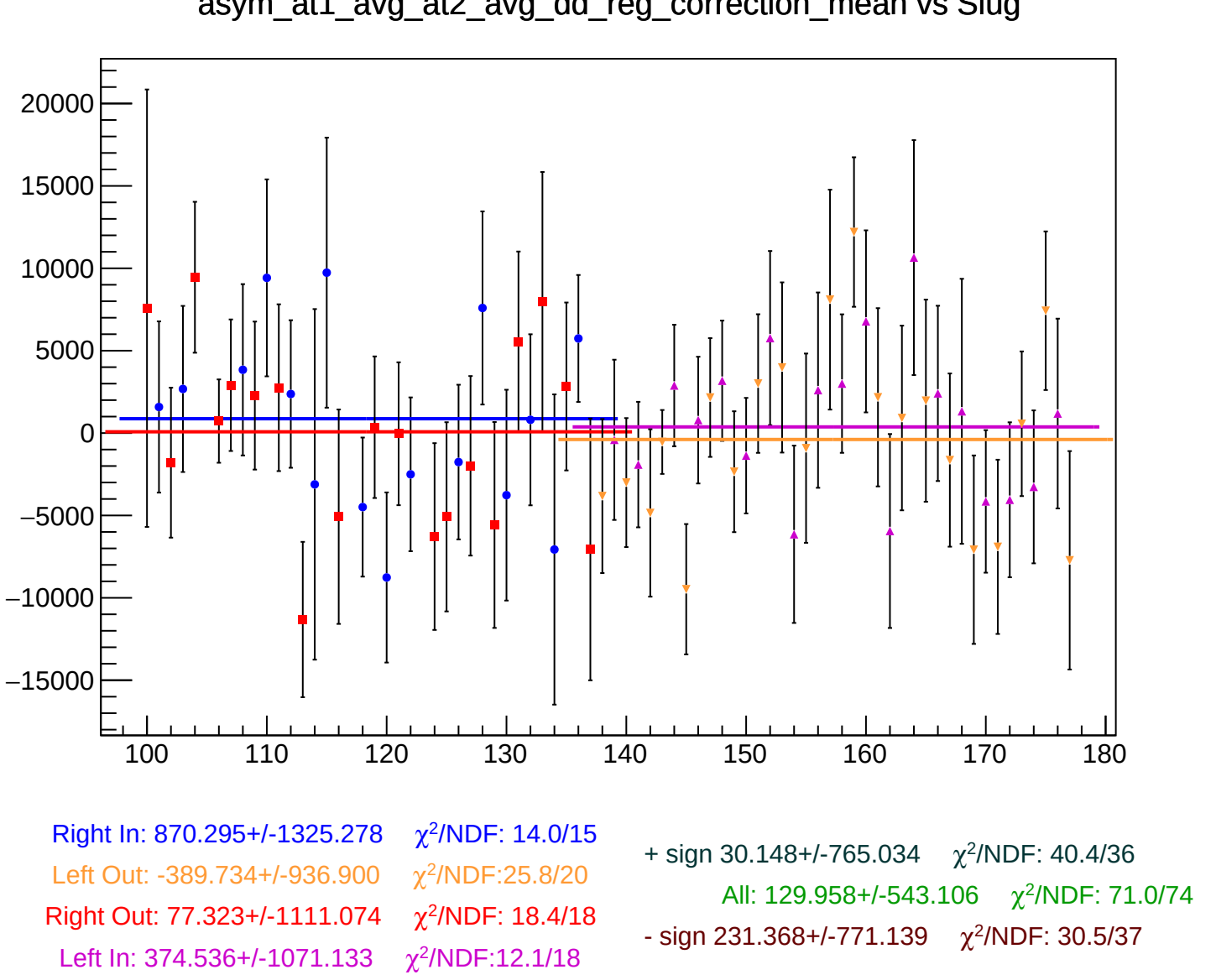
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

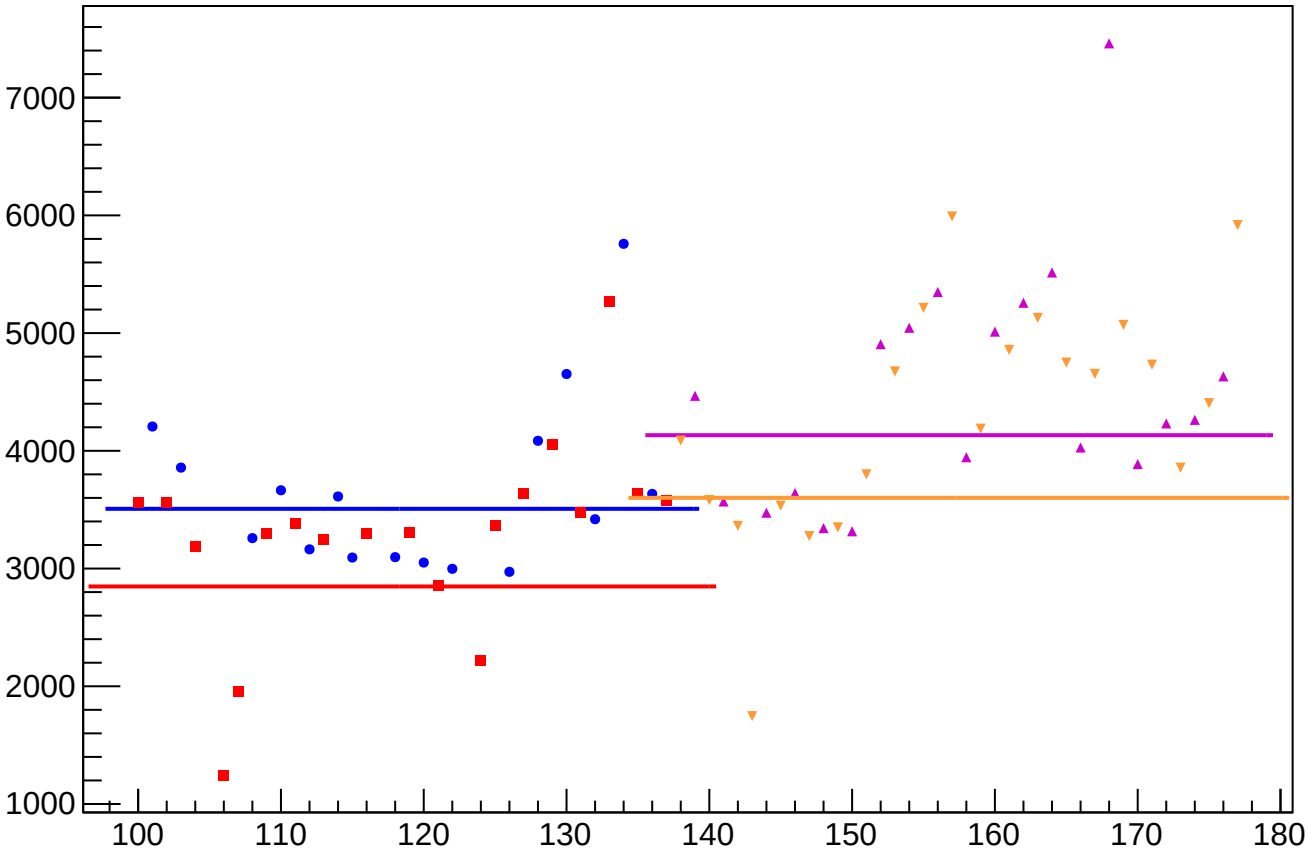
Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1280.267+/-0.187 χ^2/NDF: 690306.9/36

All: 1278.470+/-0.133 χ^2/NDF: 1042022.9/74

- sign 1276.612+/-0.190 χ^2/NDF: 351527.2/37


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -389.734+/-936.900 χ²/NDF:25.8/20
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 374.536+/-1071.133 χ²/NDF:12.1/18
+ sign 30.148+/-765.034 χ²/NDF: 40.4/36
All: 129.958+/-543.106 χ²/NDF: 71.0/74
- sign 231.368+/-771.139 χ²/NDF: 30.5/37



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3600.663+/-0.662 χ^2/NDF:3357722.6/20

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

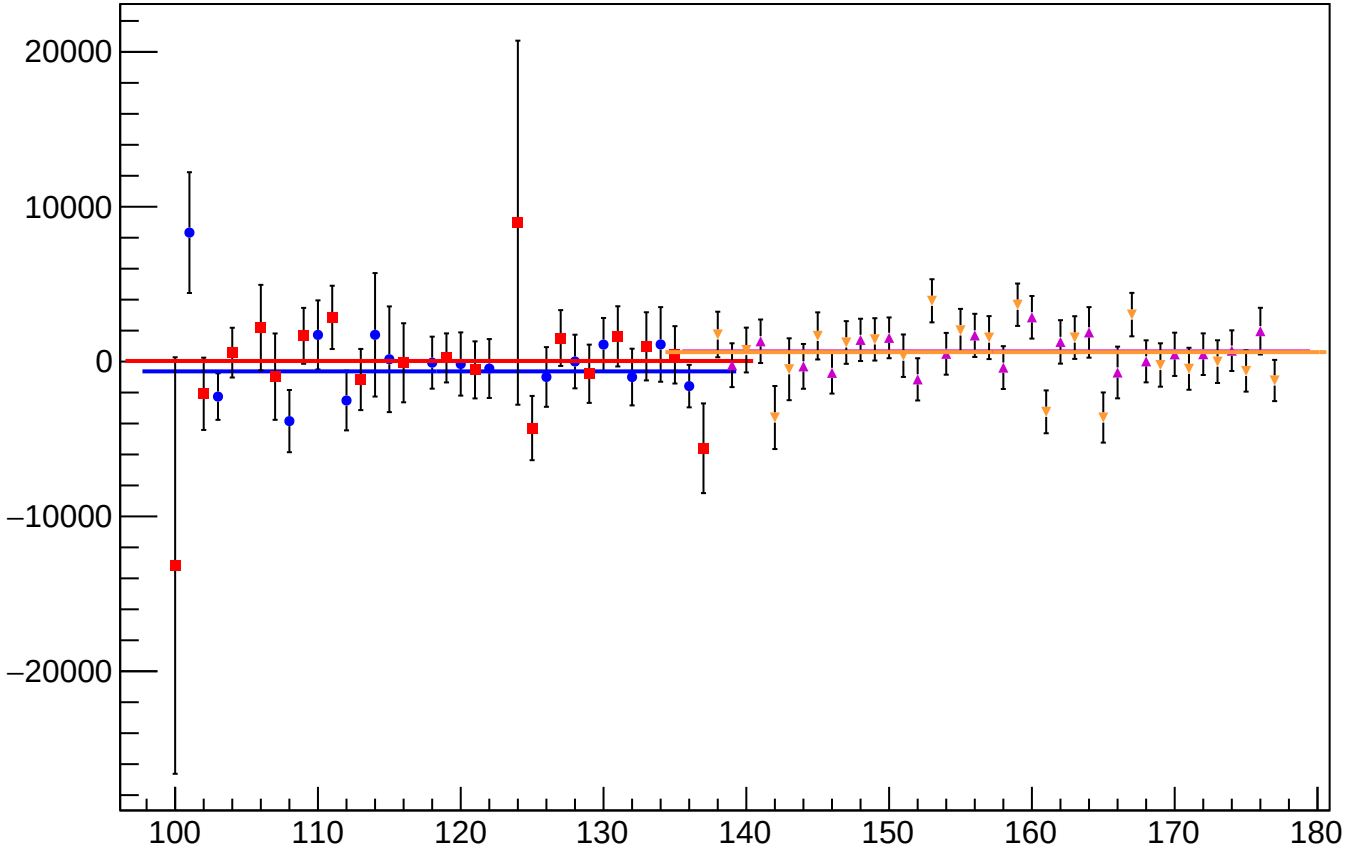
Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

+ sign 3569.584+/-0.541 χ^2/NDF: 3718306.2/36

All: 3541.932+/-0.384 χ^2/NDF: 7715754.6/74

- sign 3513.838+/-0.545 χ^2/NDF: 3992181.0/37

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

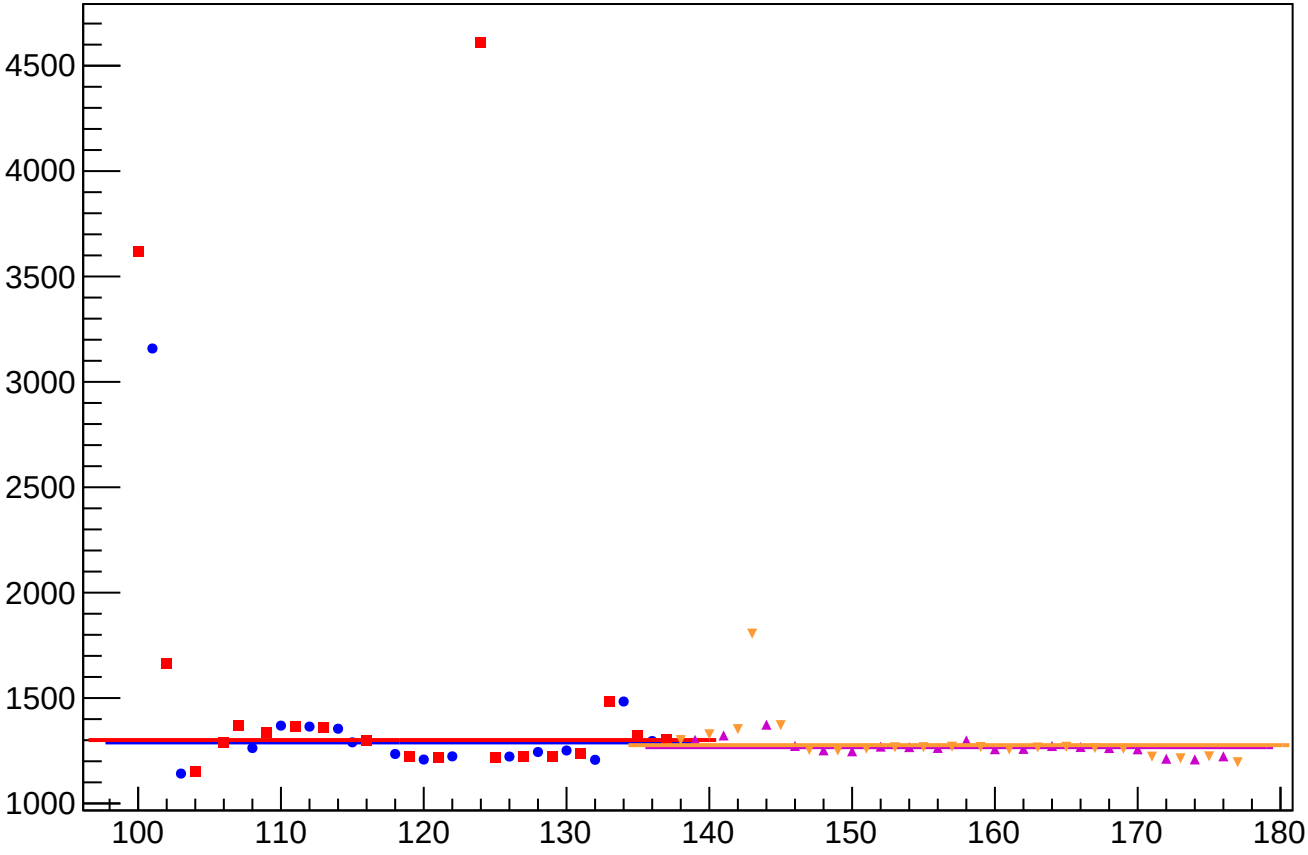
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 357.145+/-188.167 χ^2/NDF: 87.3/74

- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

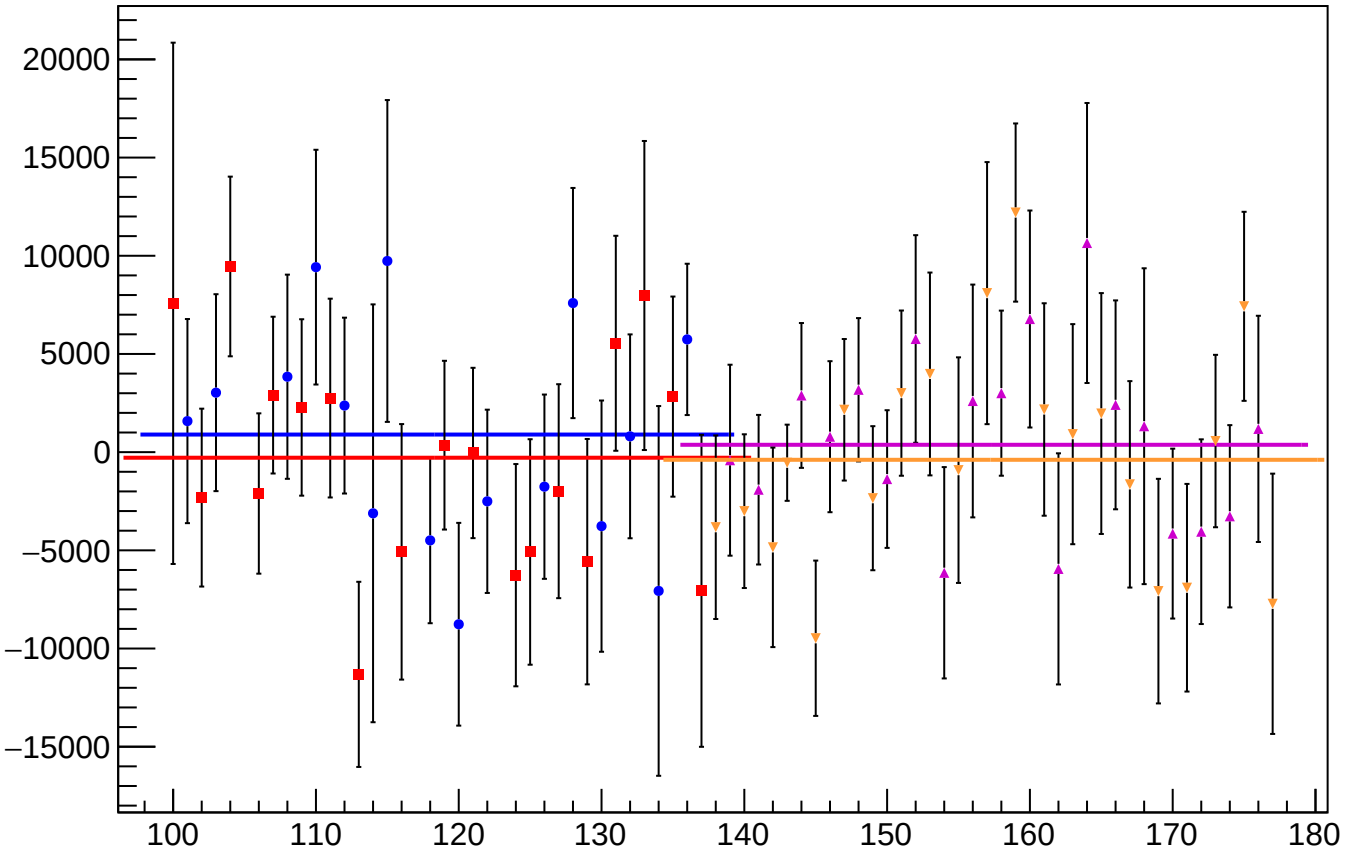
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -389.670+/-936.899 χ^2/NDF:25.8/20

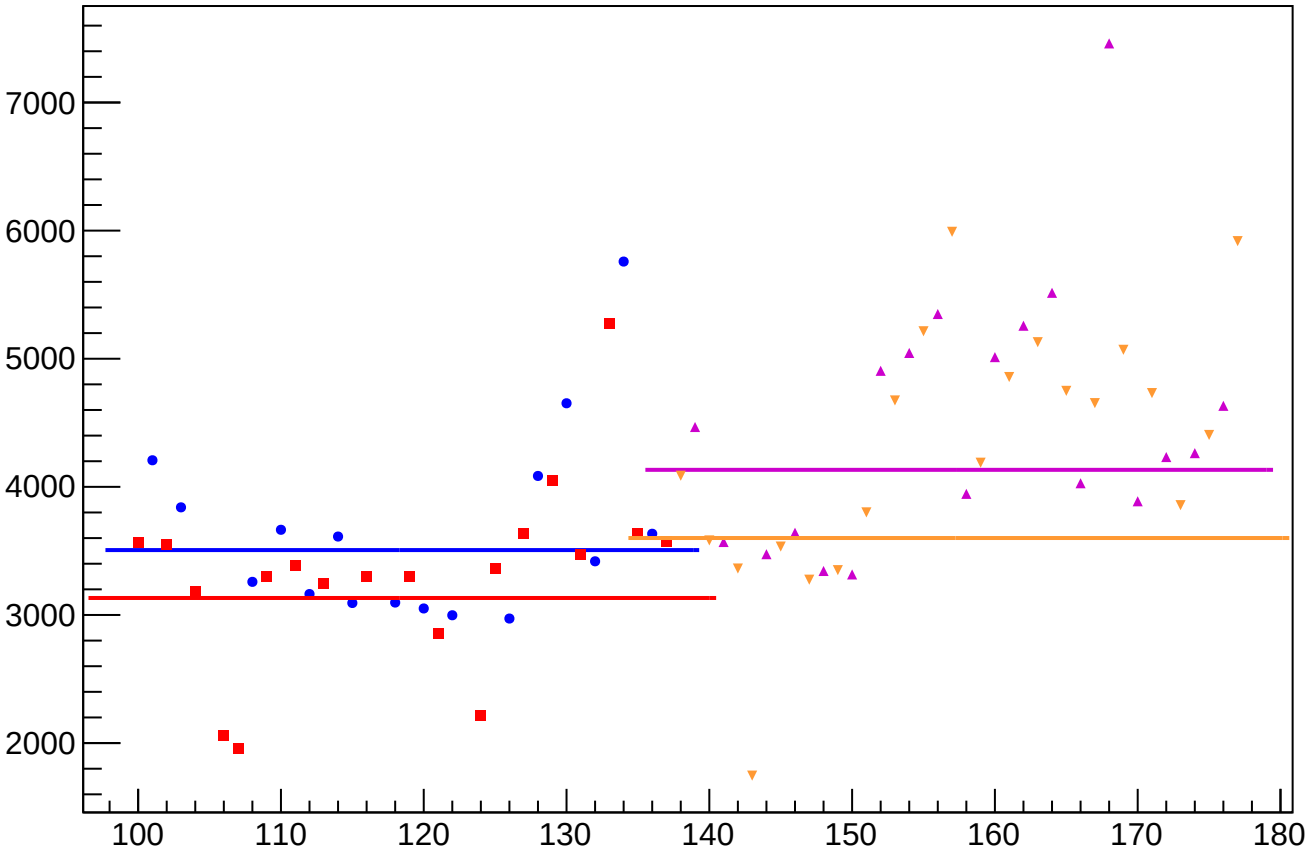
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 374.550+/-1071.131 χ^2/NDF:12.1/18

+ sign 38.958+/-764.945 χ^2/NDF: 40.5/36

All: 57.722+/-550.906 χ^2/NDF: 71.4/74

- sign 77.942+/-794.068 χ^2/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

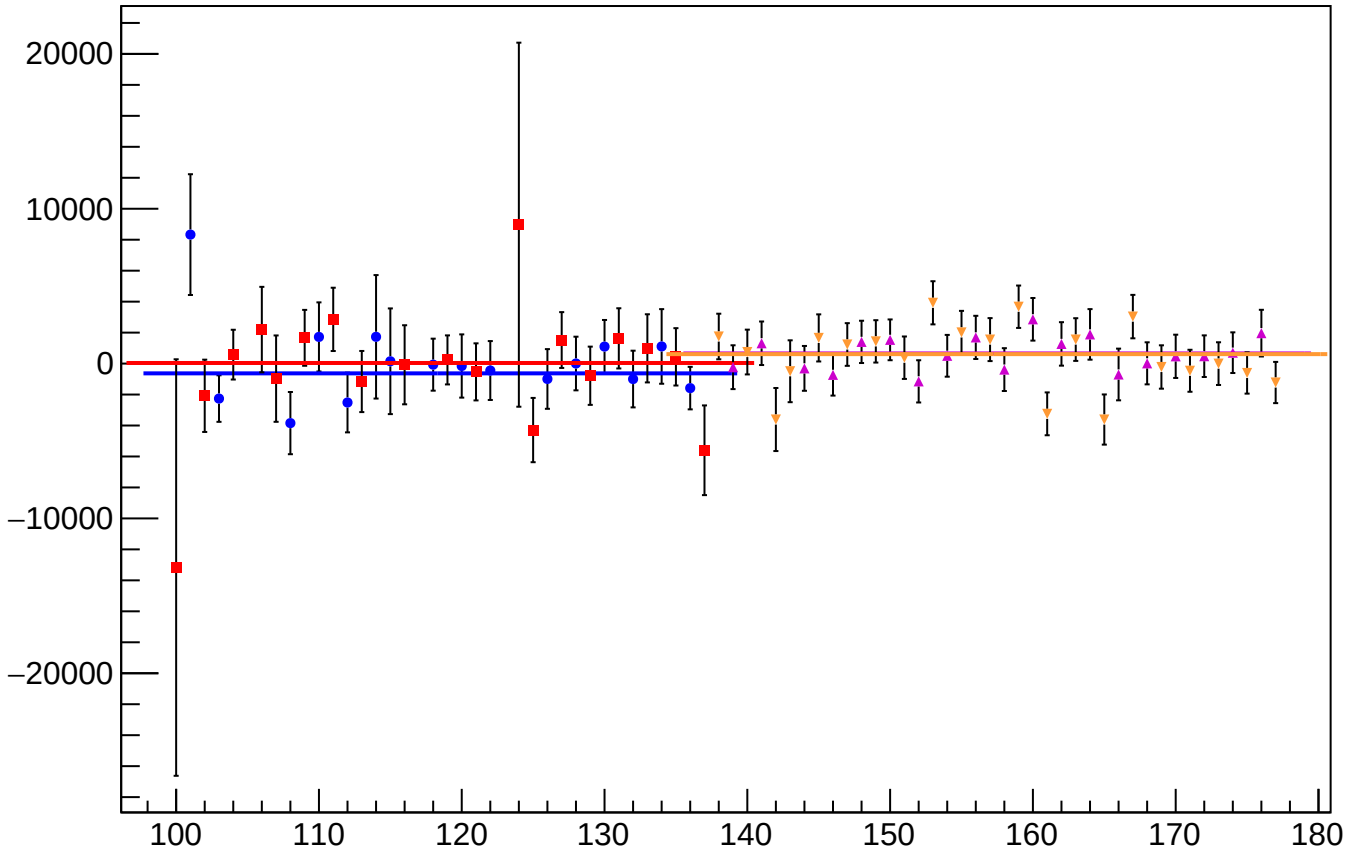
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3569.259+/-0.541 χ^2/NDF: 3717732.5/36

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

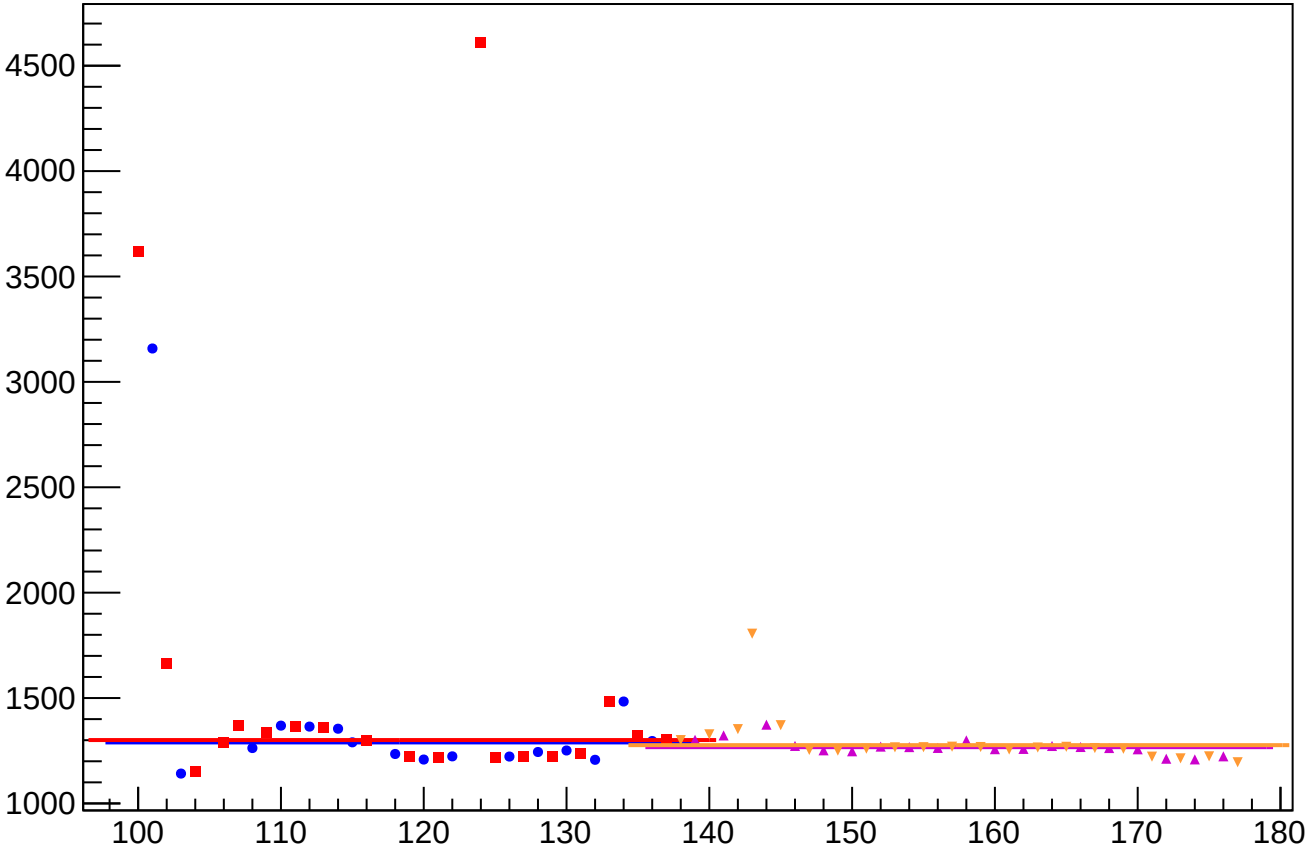
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 357.145+/-188.167 χ^2/NDF: 87.3/74

- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

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: 1276.484+/-0.222 χ^2/NDF:174631.6/20

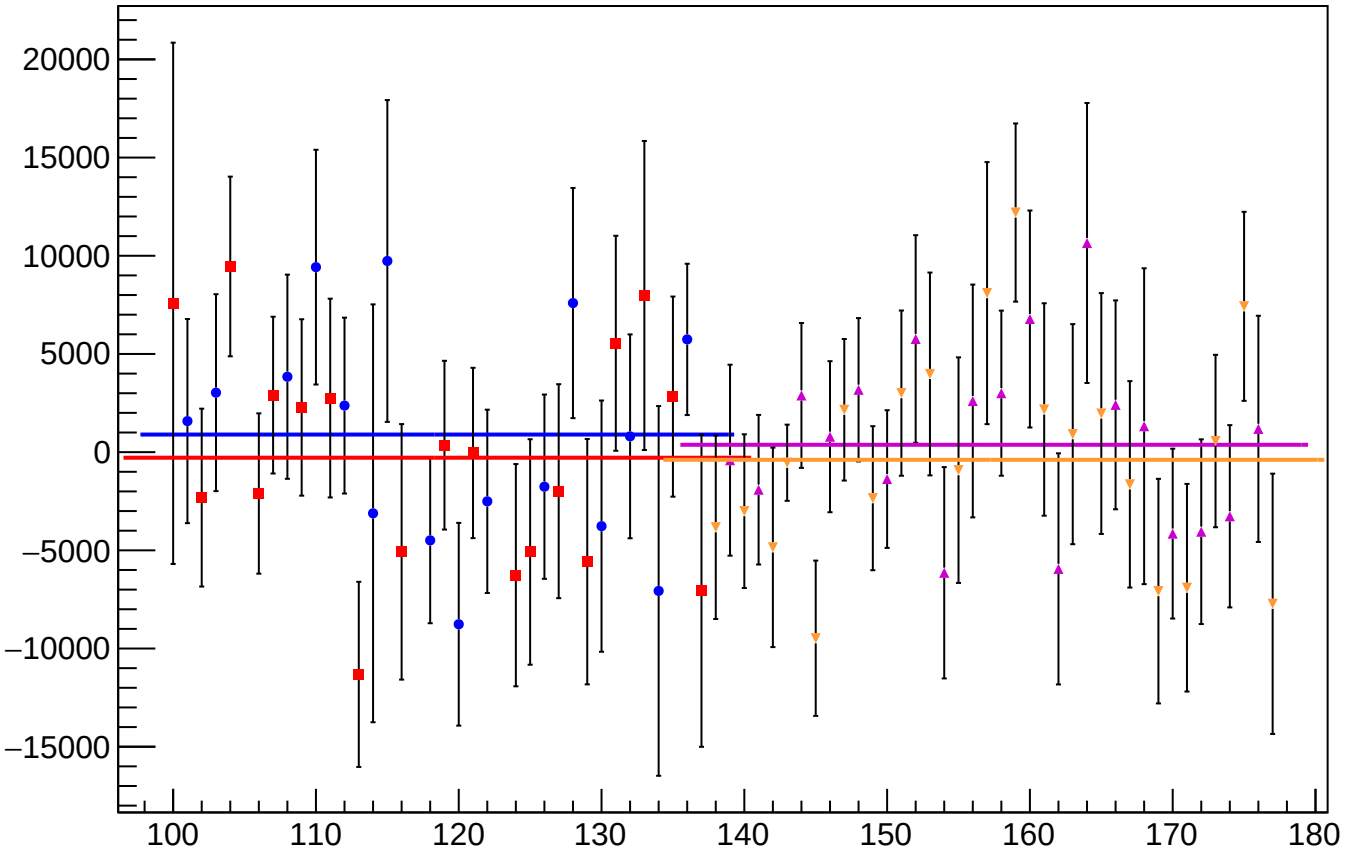
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -389.670+/-936.899 χ^2/NDF:25.8/20

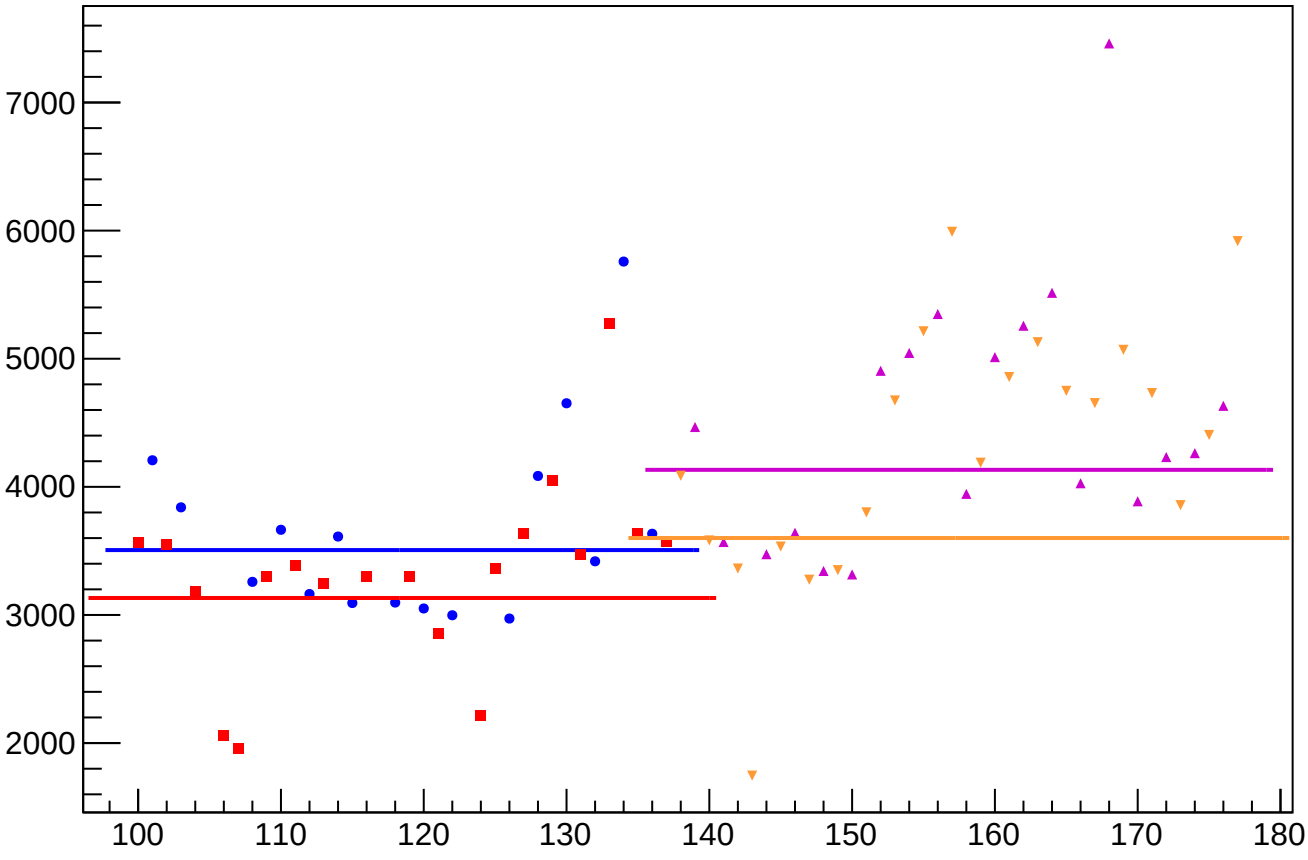
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 374.550+/-1071.131 χ^2/NDF:12.1/18

+ sign 38.958+/-764.945 χ^2/NDF: 40.5/36

All: 57.722+/-550.906 χ^2/NDF: 71.4/74

- sign 77.942+/-794.068 χ^2/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

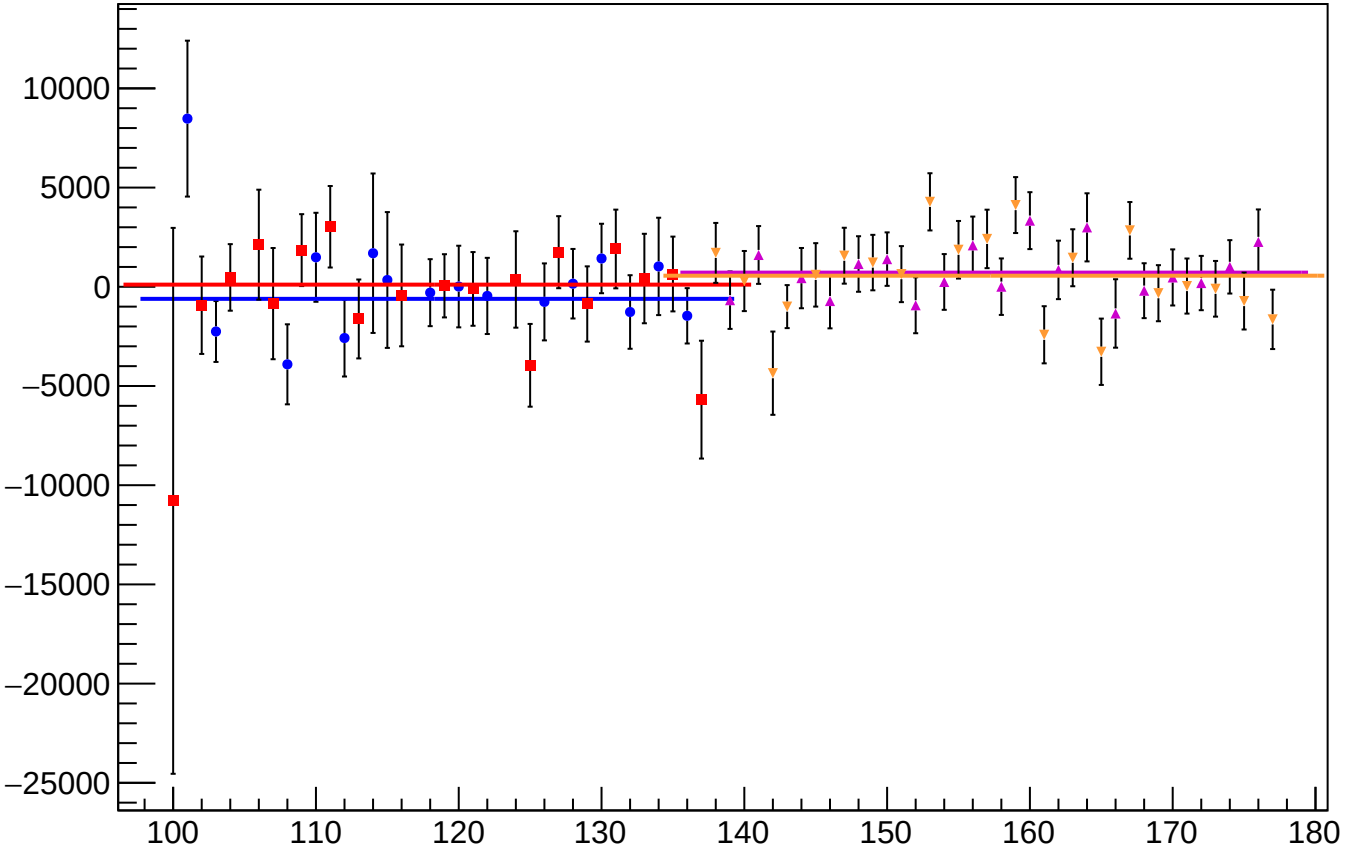
Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3569.259+/-0.541 χ^2/NDF: 3717732.5/36

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.036+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

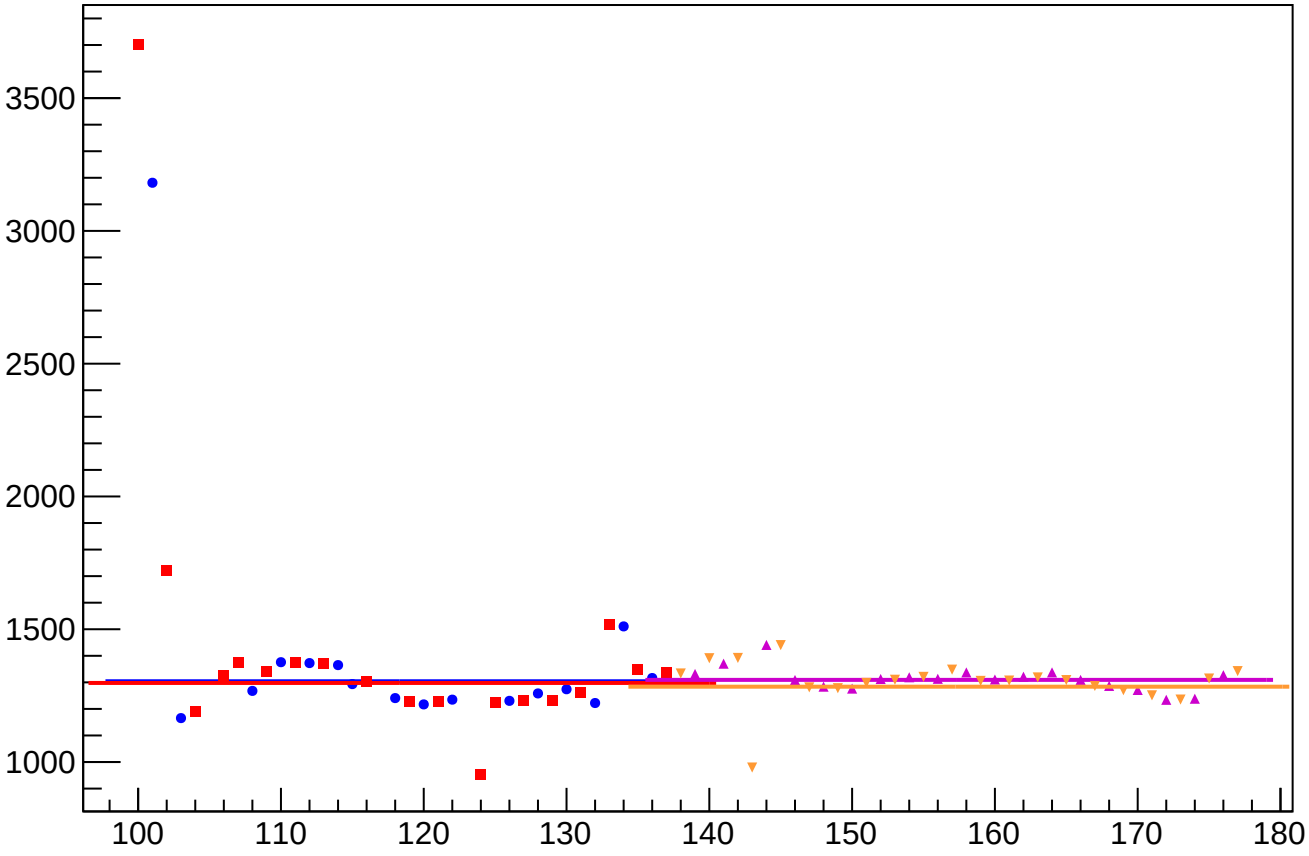
Left In: 714.051+/-332.363 χ^2/NDF:13.5/18

\+ sign 221.384+/-265.834 χ^2/NDF: 58.6/36

All: 366.461+/-190.884 χ^2/NDF: 88.6/74

\- sign 520.884+/-274.264 χ^2/NDF: 29.4/37

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.699+/-0.223 χ^2/NDF:210710.5/20

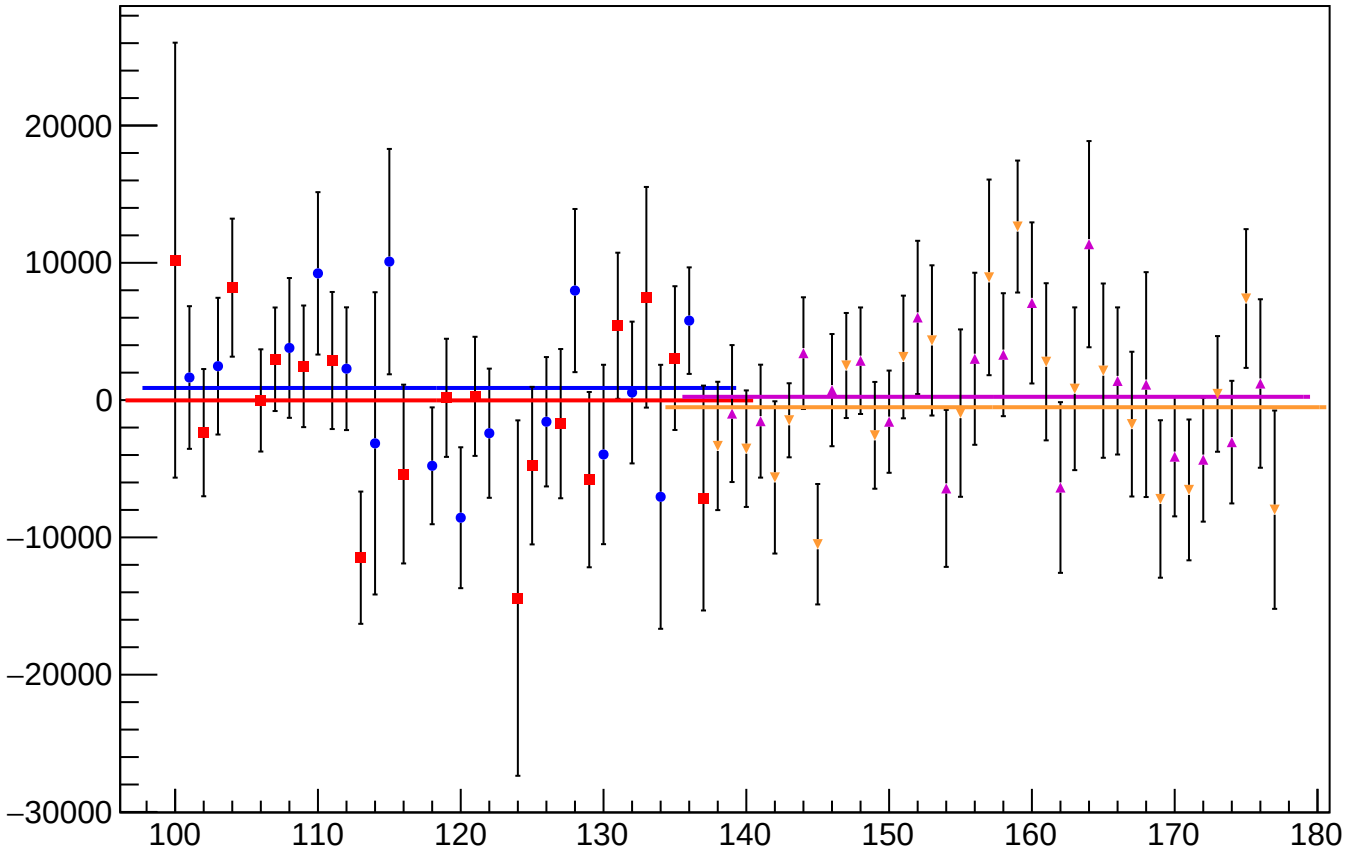
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

+ sign 1289.603+/-0.188 χ^2/NDF: 723722.7/36

All: 1297.382+/-0.135 χ^2/NDF: 977340.1/74

- sign 1305.658+/-0.194 χ^2/NDF: 250082.8/37



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -517.647+/-1034.802 χ^2/NDF:25.6/20

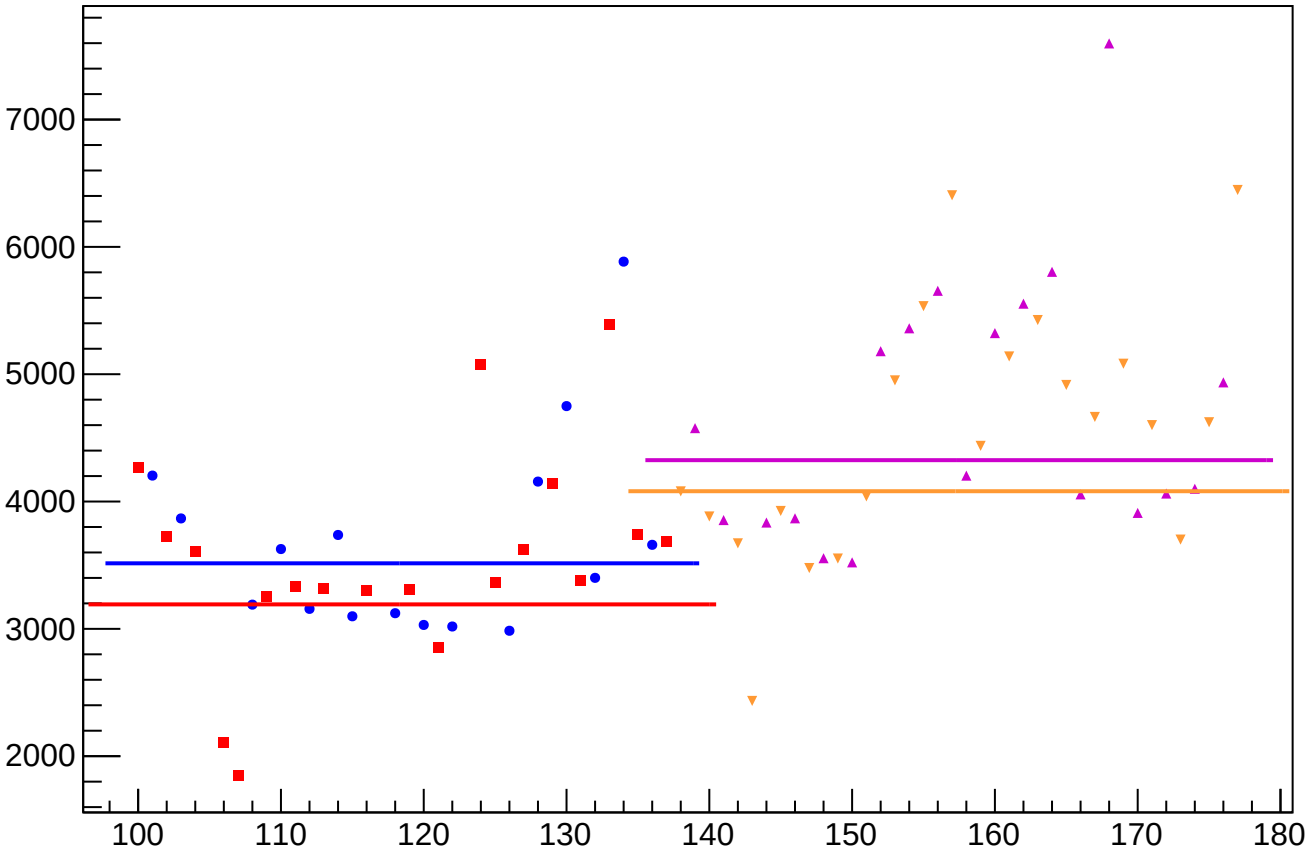
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 239.932+/-1120.053 χ^2/NDF:12.0/18

\+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 65.226+/-578.030 χ^2/NDF: 69.3/74

\- sign 118.597+/-818.808 χ^2/NDF: 28.9/37



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4081.017+/-0.732 χ^2/NDF:1803960.9/20

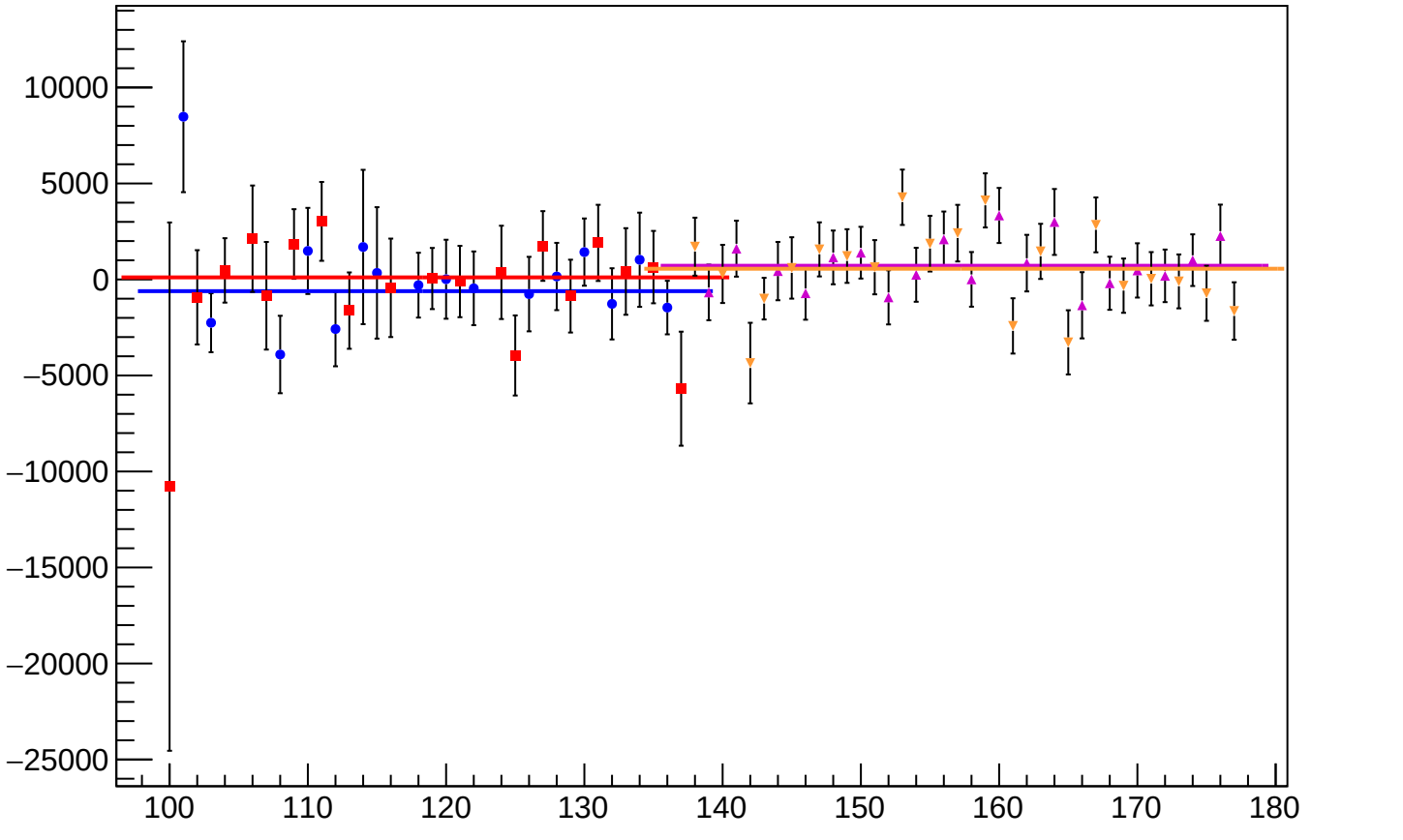
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4324.914+/-0.792 χ^2/NDF:1048985.0/18

+ sign 3866.963+/-0.577 χ^2/NDF: 2405432.3/36

All: 3832.372+/-0.409 χ^2/NDF: 5186437.6/74

- sign 3797.551+/-0.579 χ^2/NDF: 2773795.3/37



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.039+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

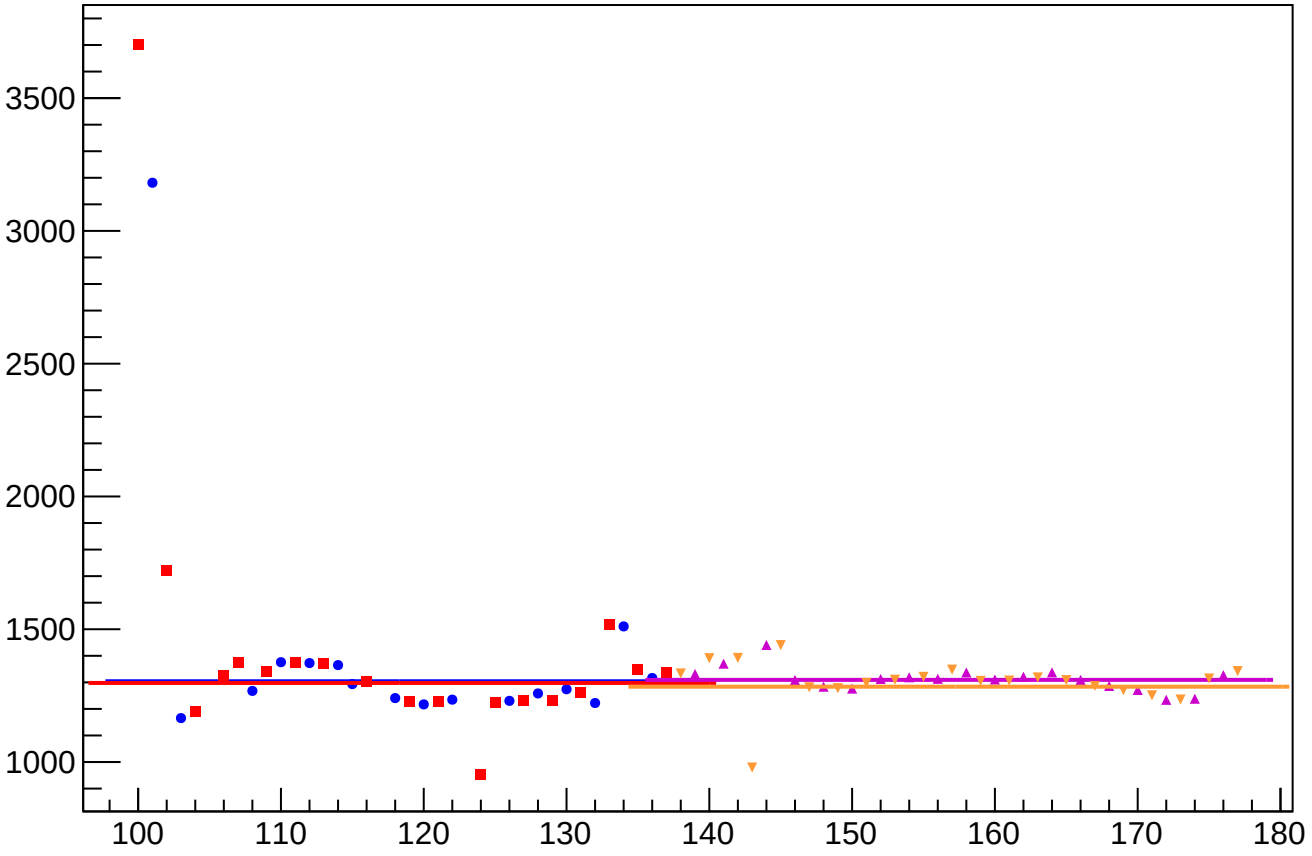
Left In: 714.052+/-332.363 χ^2/NDF:13.5/18

+ sign 221.385+/-265.834 χ^2/NDF: 58.6/36

All: 366.462+/-190.884 χ^2/NDF: 88.6/74

- sign 520.886+/-274.264 χ^2/NDF: 29.4/37

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: 1283.700+/-0.223 χ^2/NDF:210712.2/20

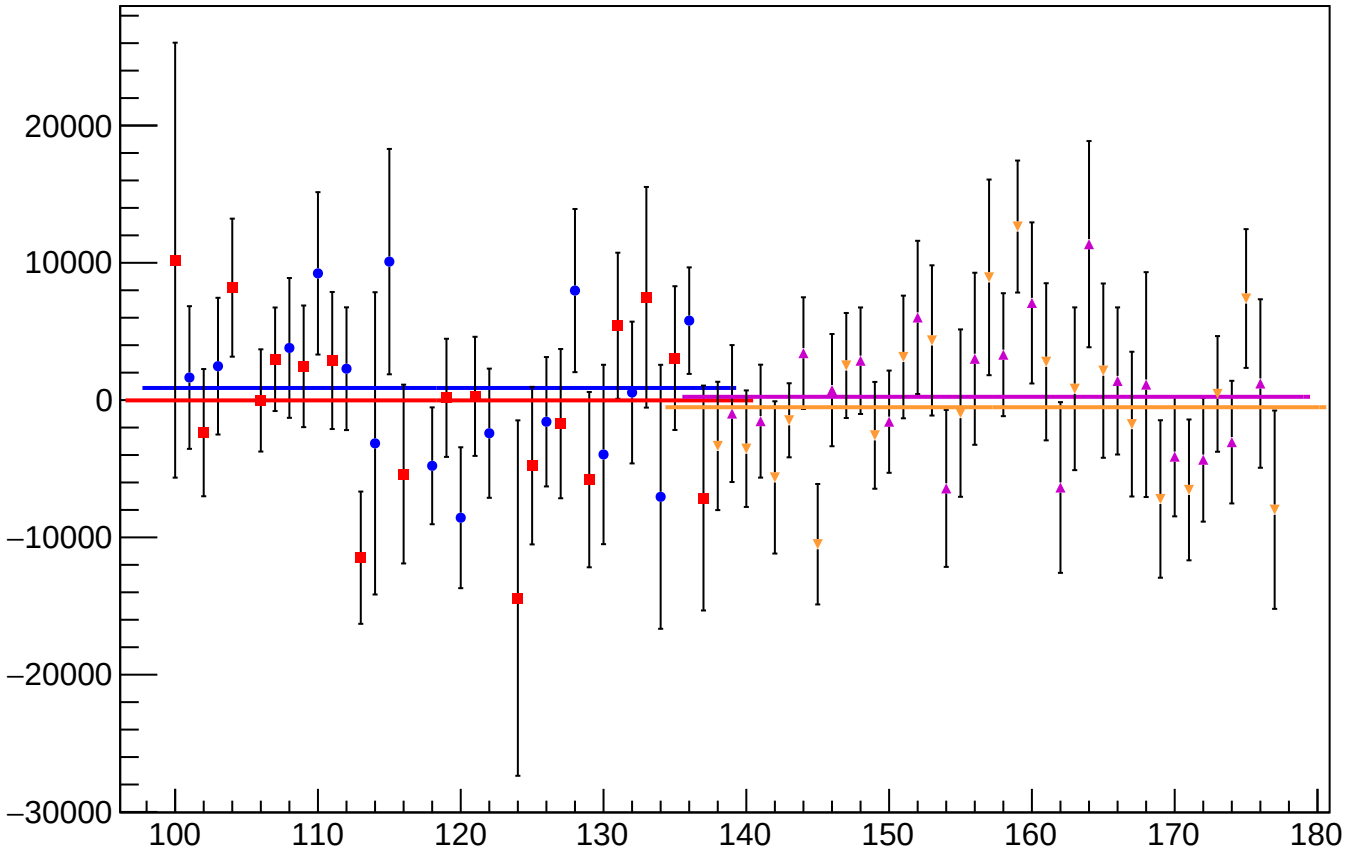
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

+ sign 1289.603+/-0.188 χ^2/NDF: 723724.3/36

All: 1297.382+/-0.135 χ^2/NDF: 977343.1/74

- sign 1305.658+/-0.194 χ^2/NDF: 250084.2/37



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -517.645+/-1034.804 χ^2/NDF:25.6/20

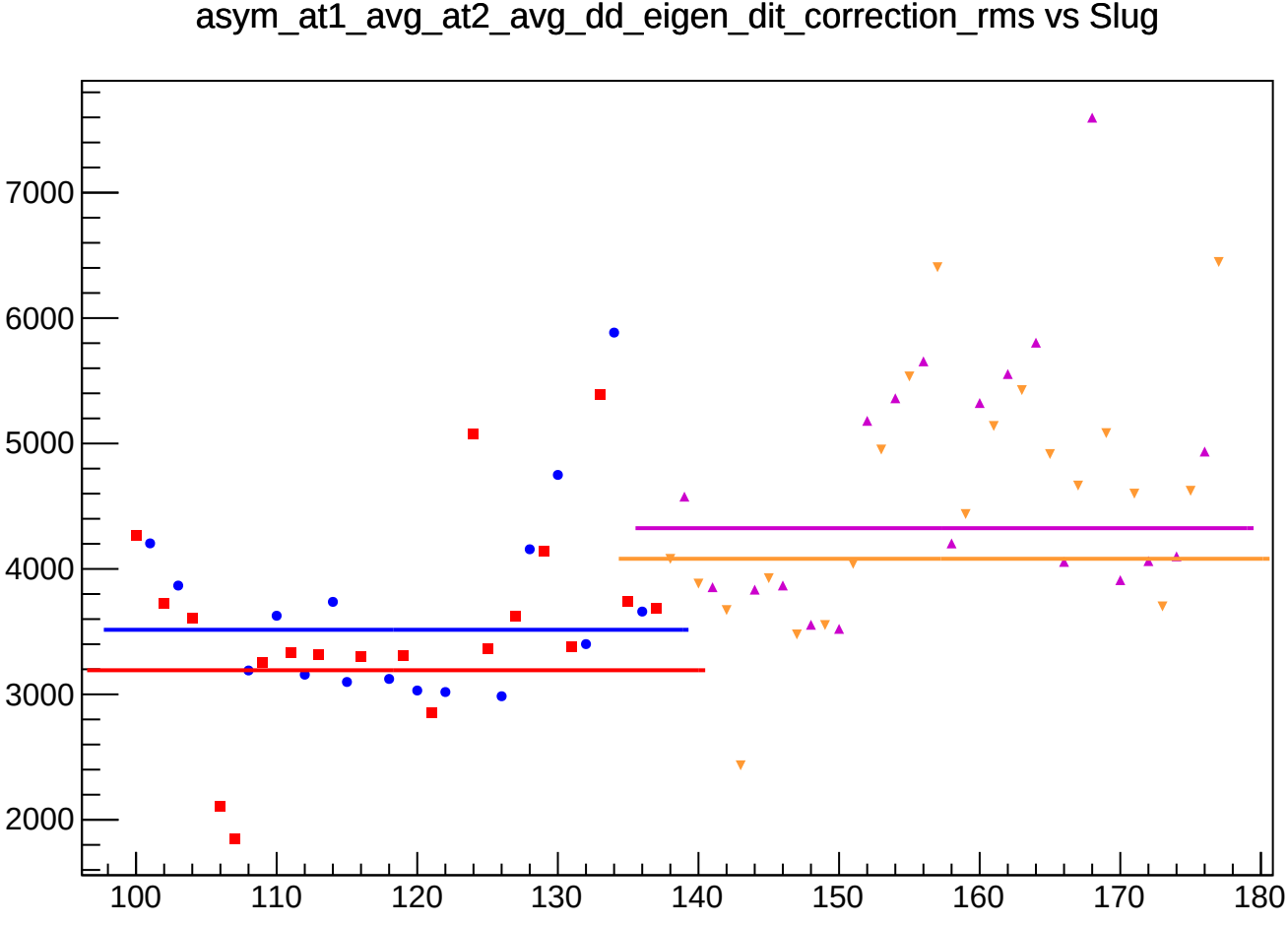
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 239.931+/-1120.055 χ^2/NDF:12.0/18

+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 65.226+/-578.029 χ^2/NDF: 69.3/74

- sign 118.598+/-818.807 χ^2/NDF: 28.9/37



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4081.023+/-0.732 χ^2/NDF:1803962.4/20

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

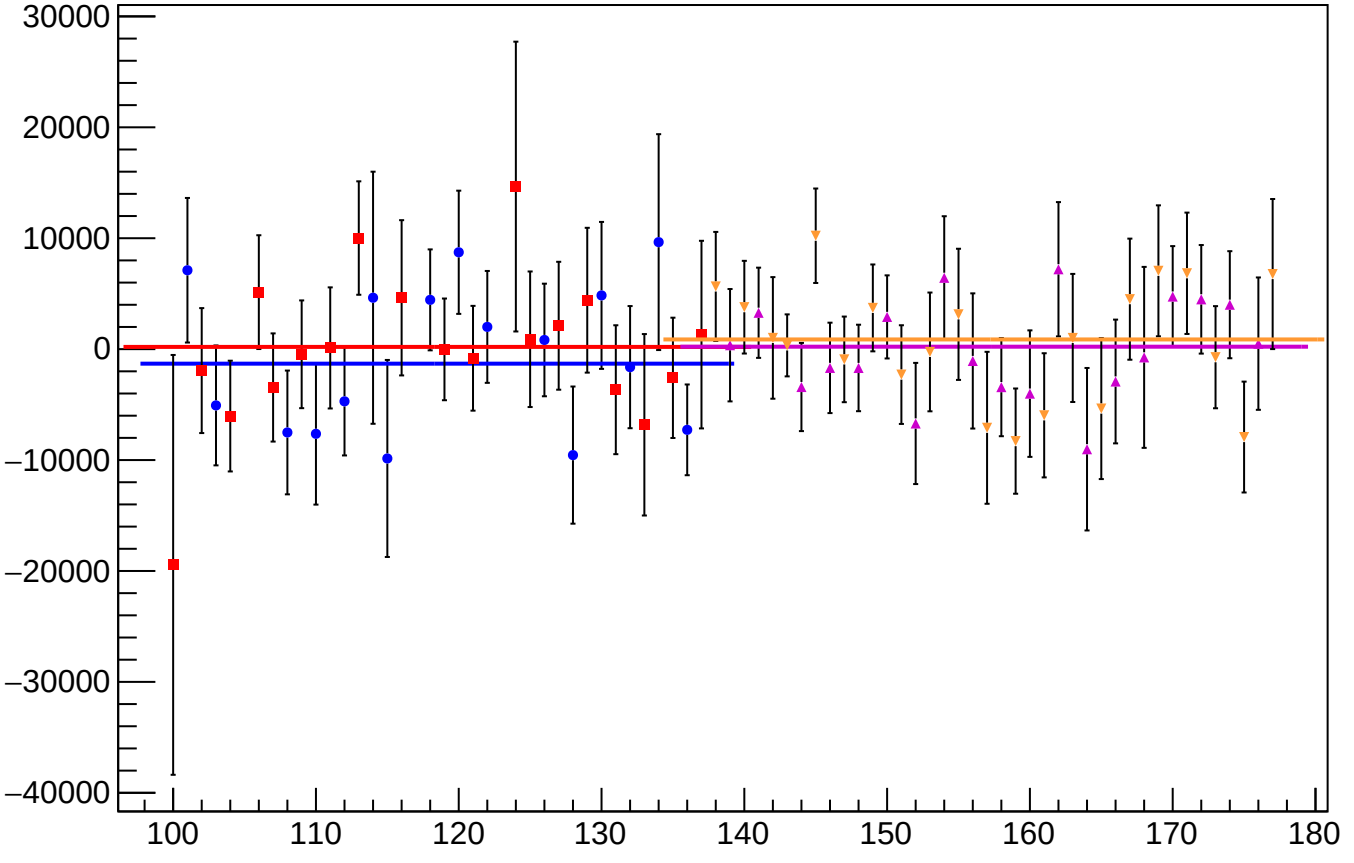
Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

+ sign 3866.963+/-0.577 χ^2/NDF: 2405450.9/36

All: 3832.370+/-0.409 χ^2/NDF: 5186486.0/74

- sign 3797.549+/-0.579 χ^2/NDF: 2773824.8/37

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 874.387+/-1043.434 χ^2/NDF:22.0/20

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

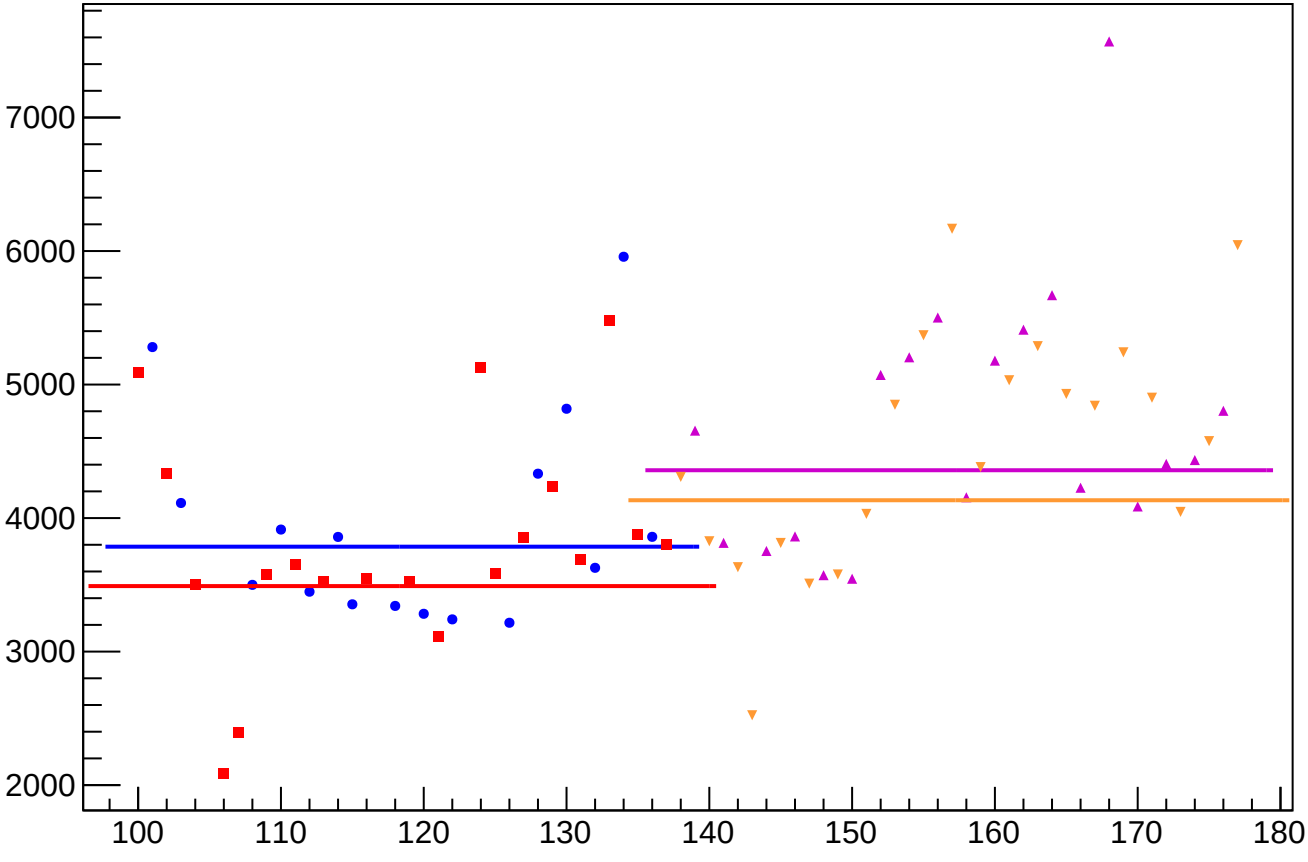
Left In: 220.440+/-1125.949 χ^2/NDF:12.1/18

+ sign 116.795+/-843.231 χ^2/NDF: 41.1/36

All: 163.706+/-602.433 χ^2/NDF: 64.9/74

- sign 212.614+/-860.983 χ^2/NDF: 23.8/37

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4133.516+/-0.738 χ^2/NDF:1585866.2/20

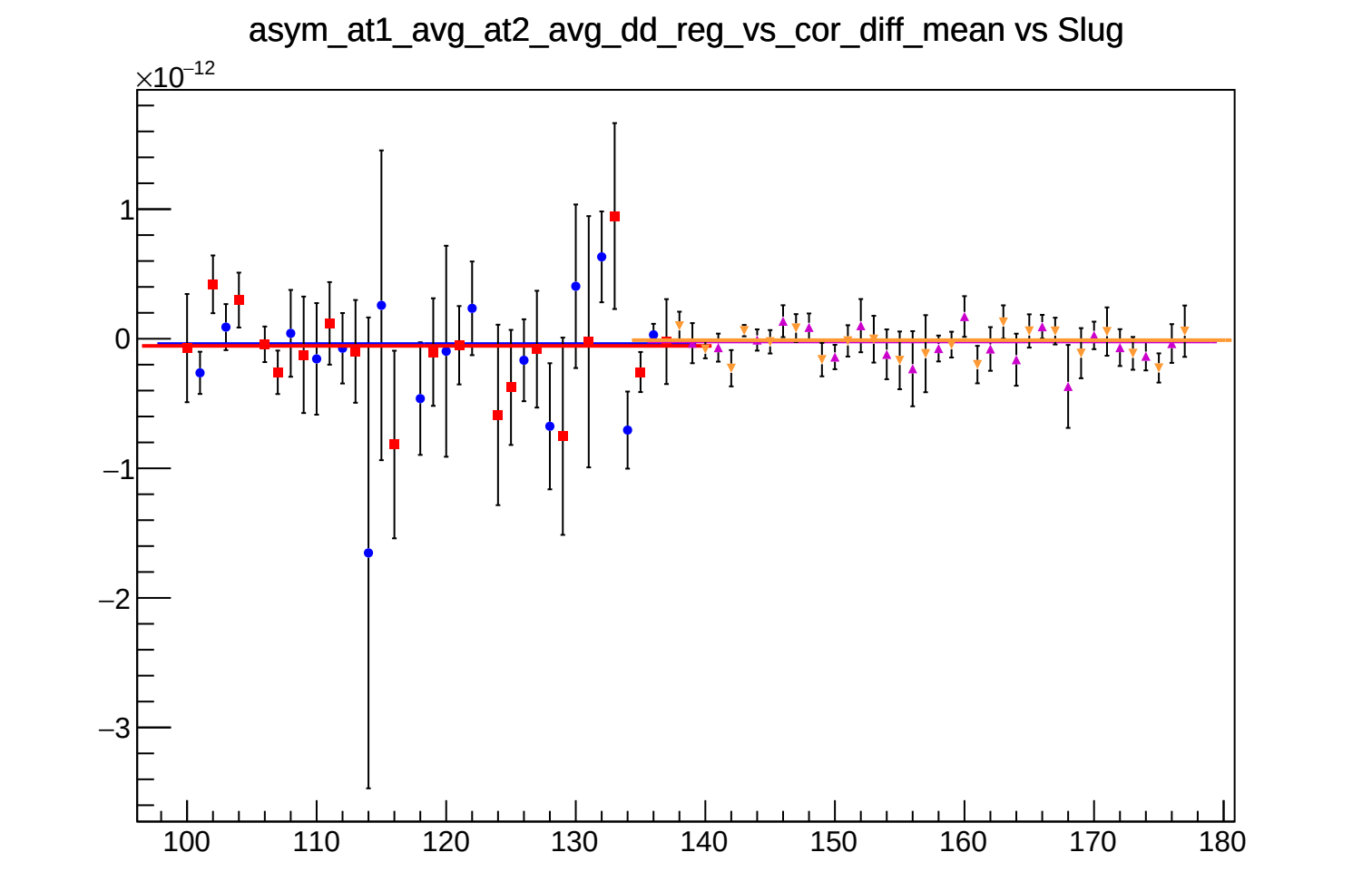
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

+ sign 4012.874+/-0.596 χ^2/NDF: 2045923.8/36

All: 4002.680+/-0.425 χ^2/NDF: 4079429.5/74

- sign 3992.174+/-0.605 χ^2/NDF: 2032912.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/20

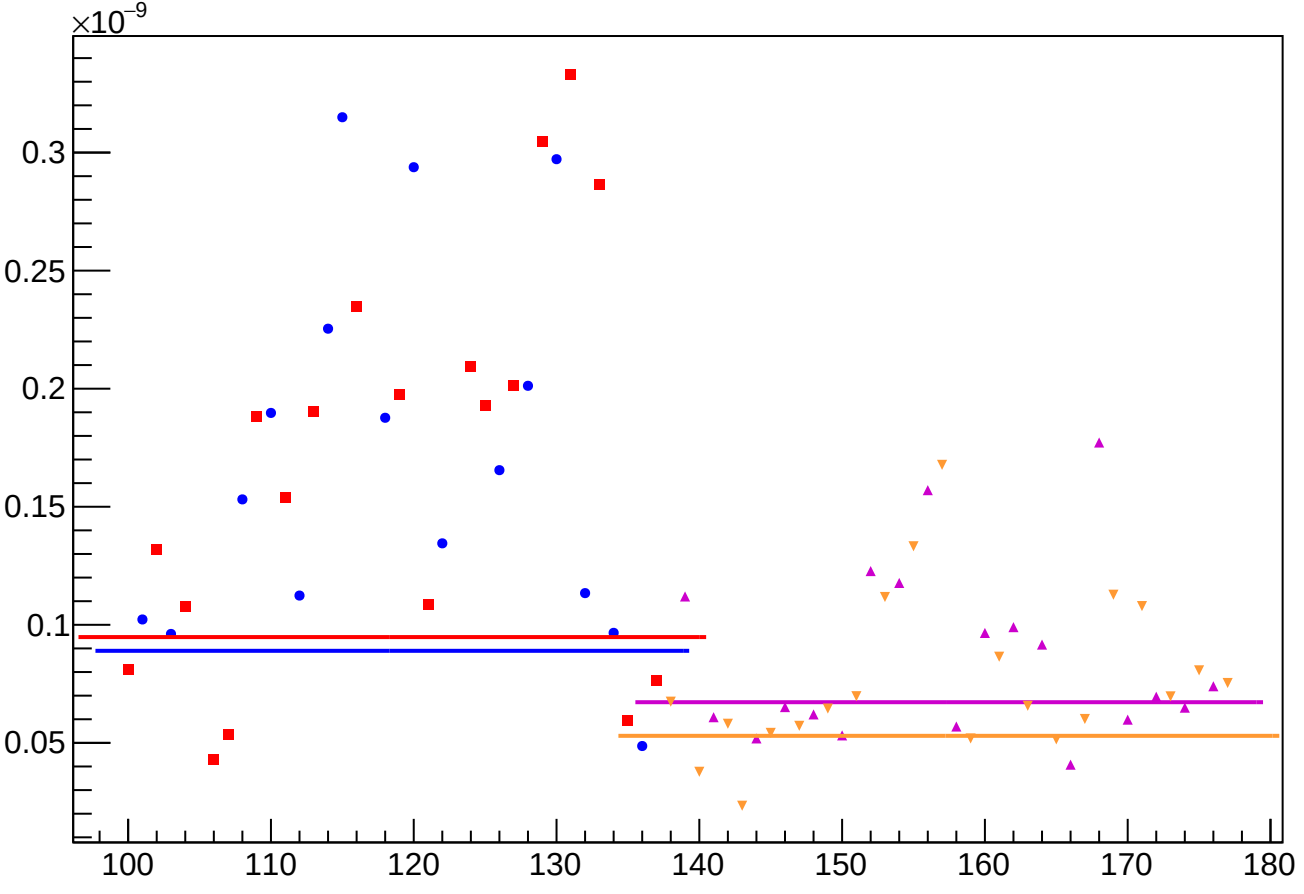
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/36

All: -0.000+/-0.000 χ^2/NDF: 63.7/74

- sign -0.000+/-0.000 χ^2/NDF: 28.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2547856.2/20

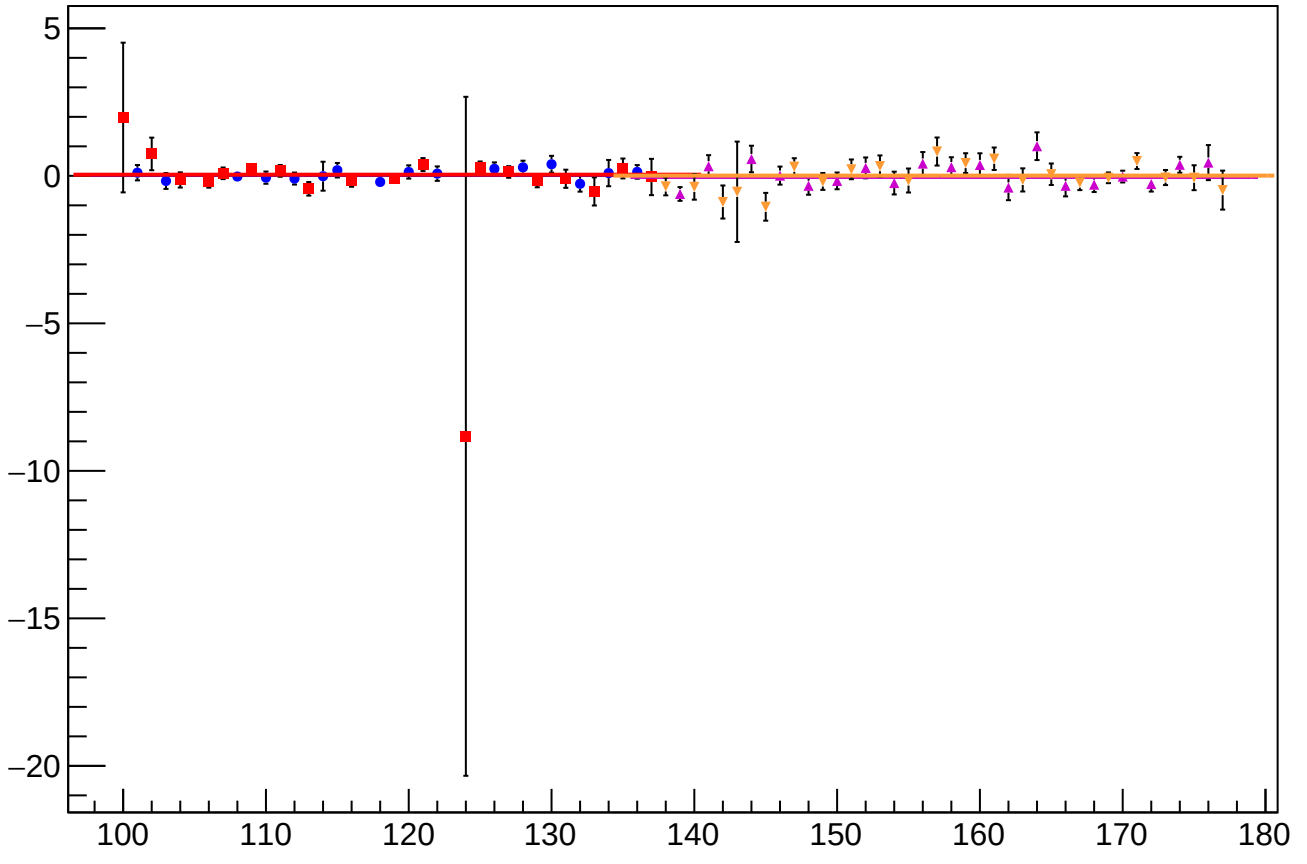
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4652643.2/36

All: 0.000+/-0.000 χ^2/NDF: 8415214.6/74

- sign 0.000+/-0.000 χ^2/NDF: 3423726.1/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

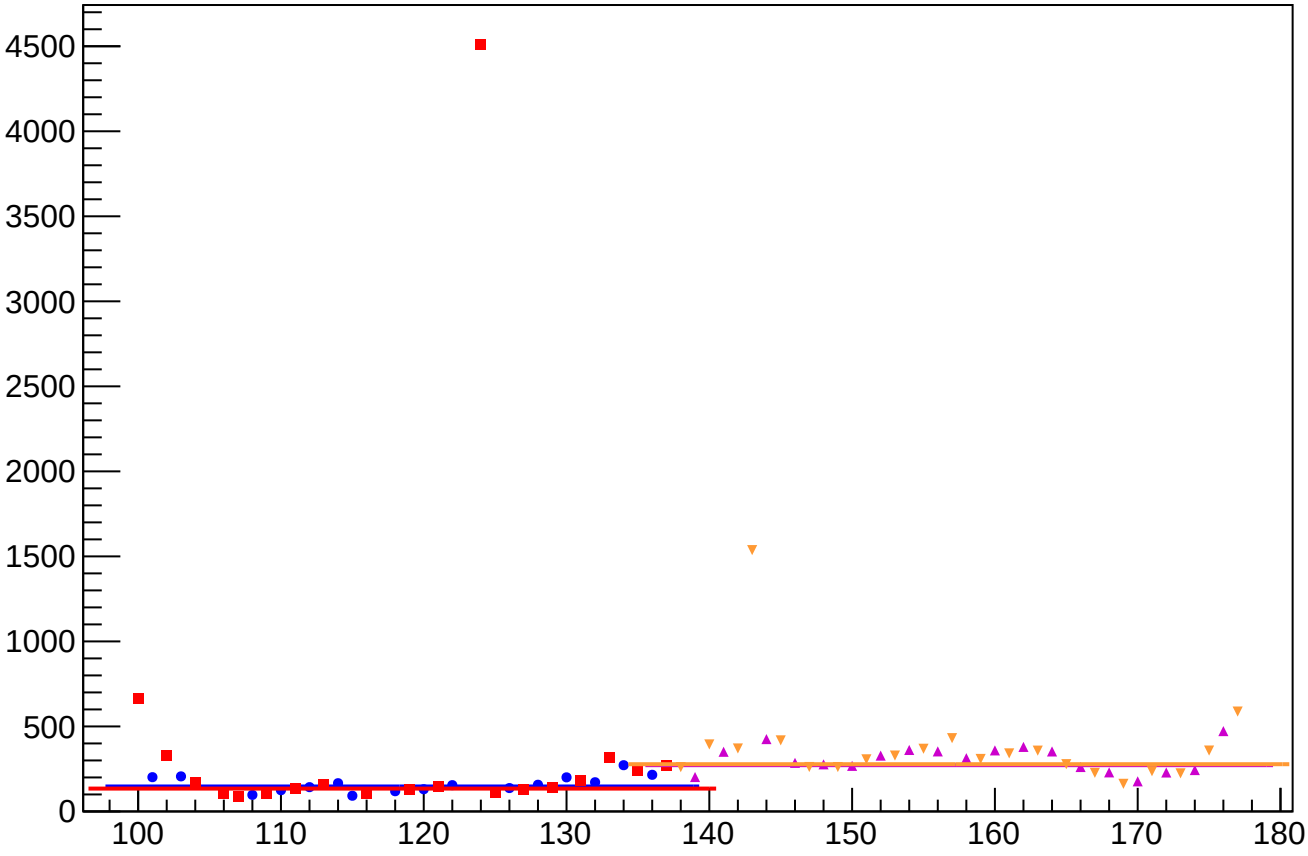
Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

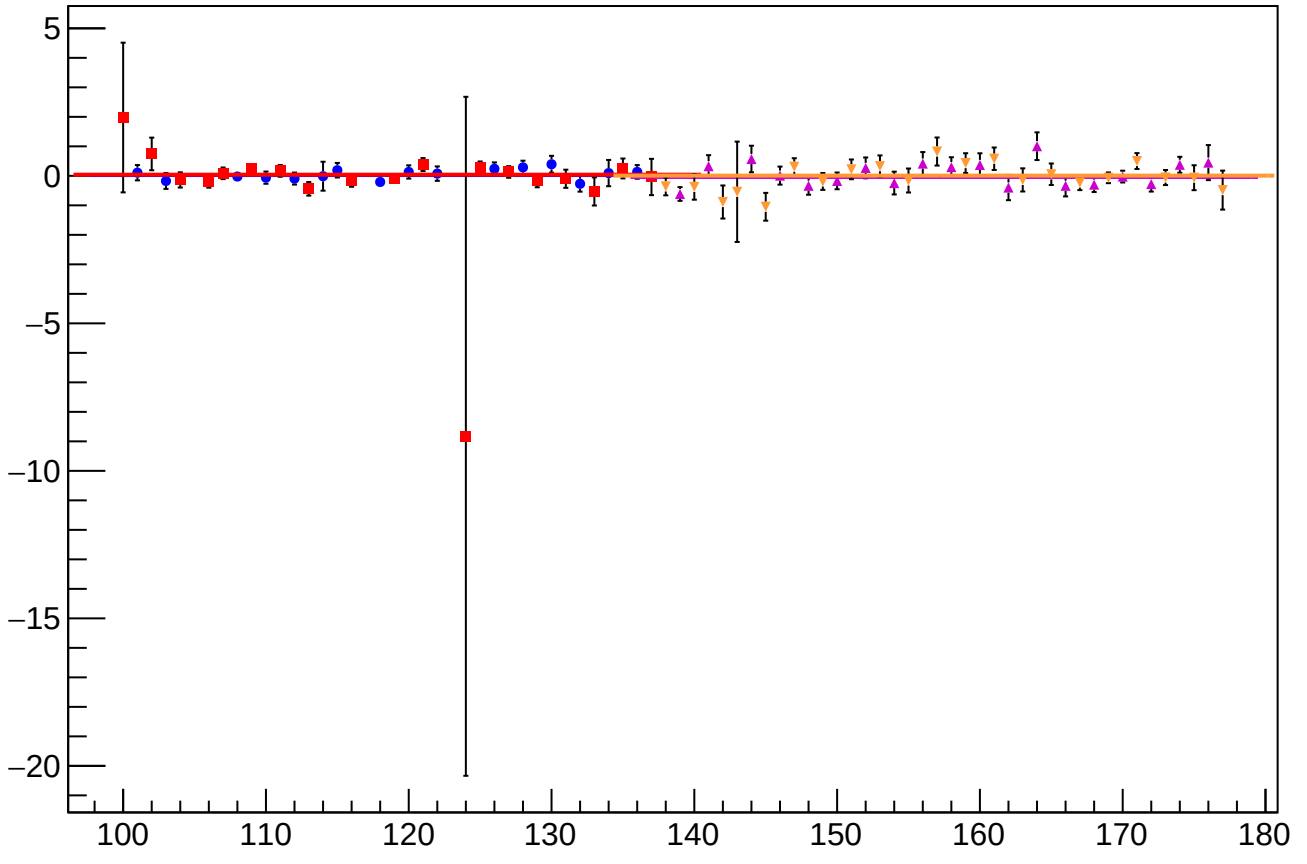
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

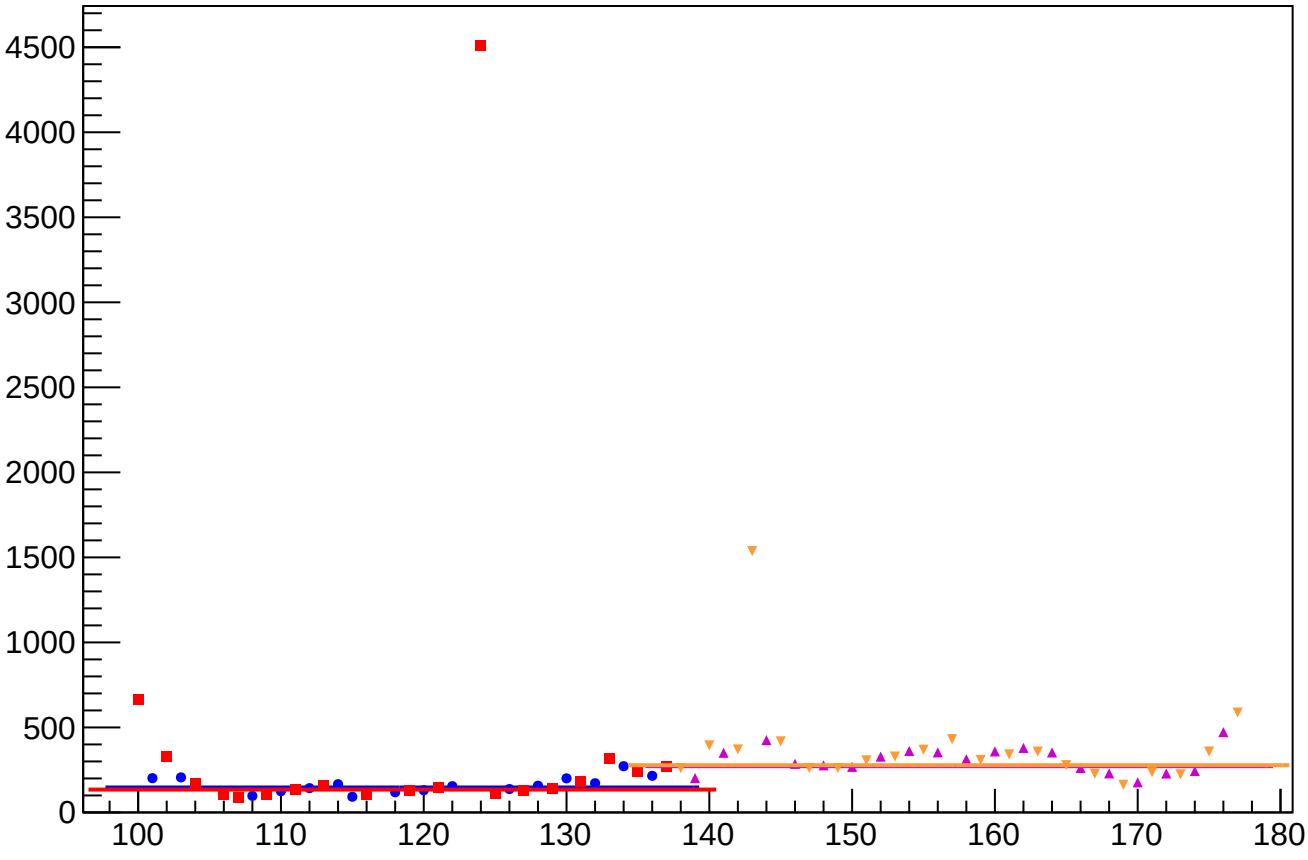
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

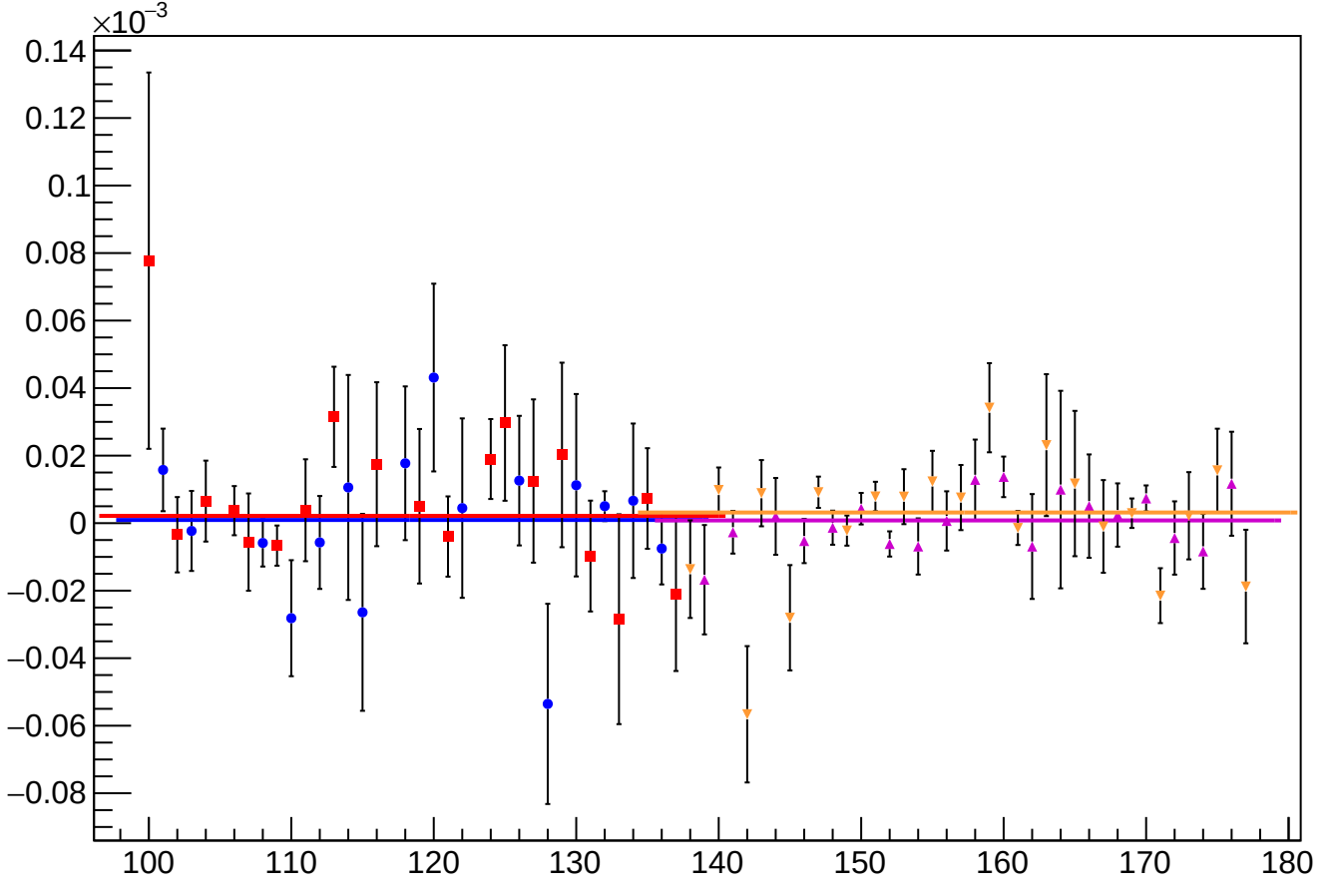
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.7/20

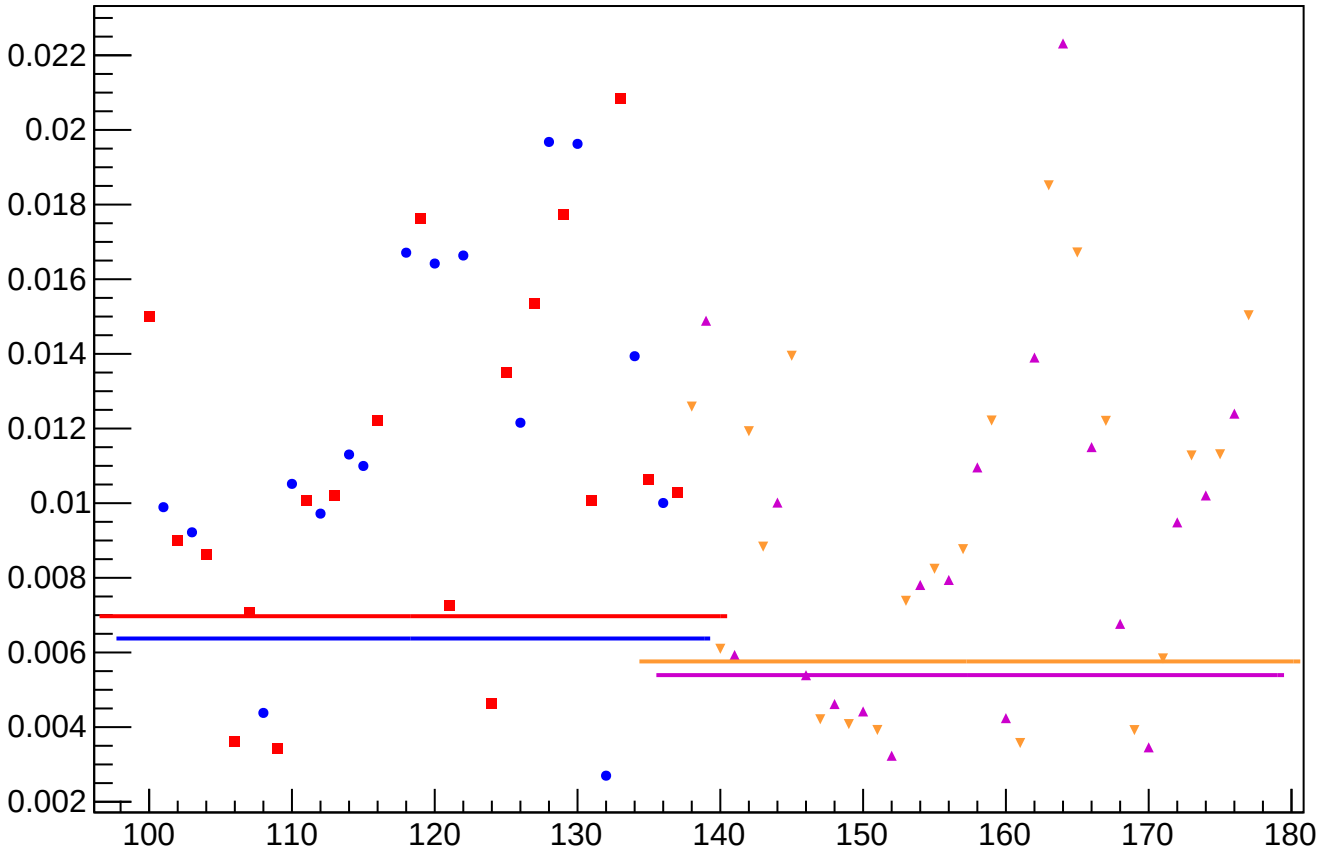
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/36

All: 0.000+/-0.000 χ^2/NDF: 90.6/74

- sign 0.000+/-0.000 χ^2/NDF: 34.0/37



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6952917.2/20

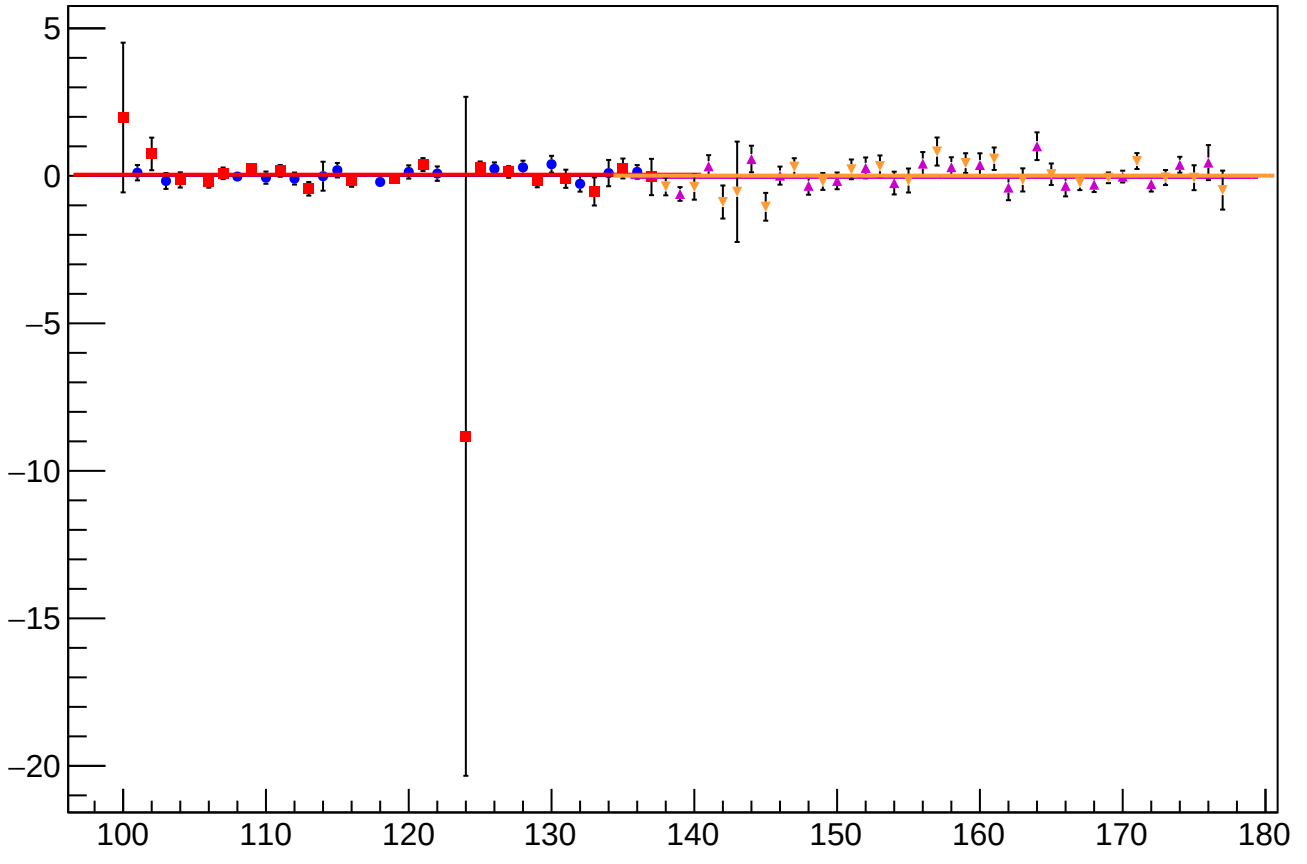
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5892788.8/18

+ sign 0.006+/-0.000 χ^2/NDF: 11659665.8/36

All: 0.006+/-0.000 χ^2/NDF: 21403034.2/74

- sign 0.006+/-0.000 χ^2/NDF: 9729965.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

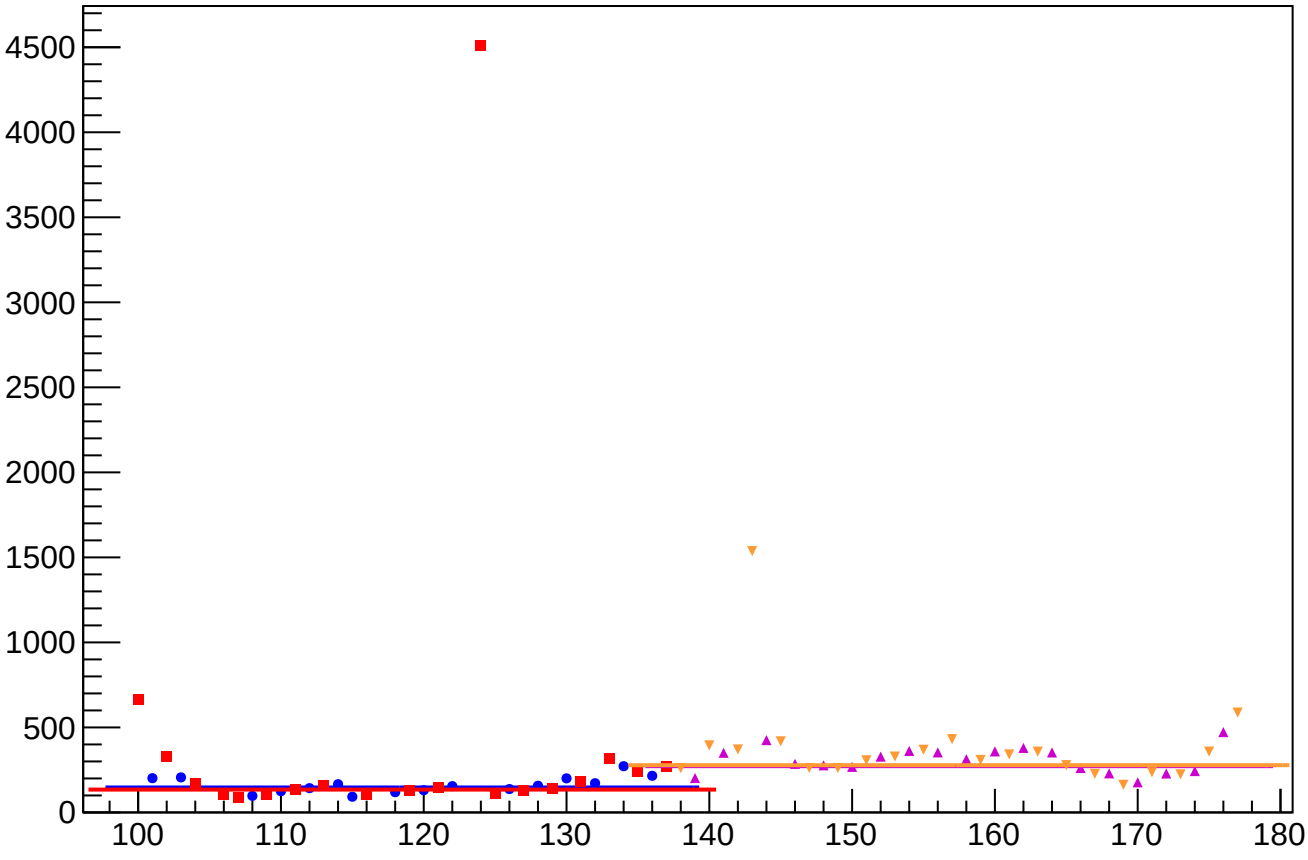
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536897.0/20

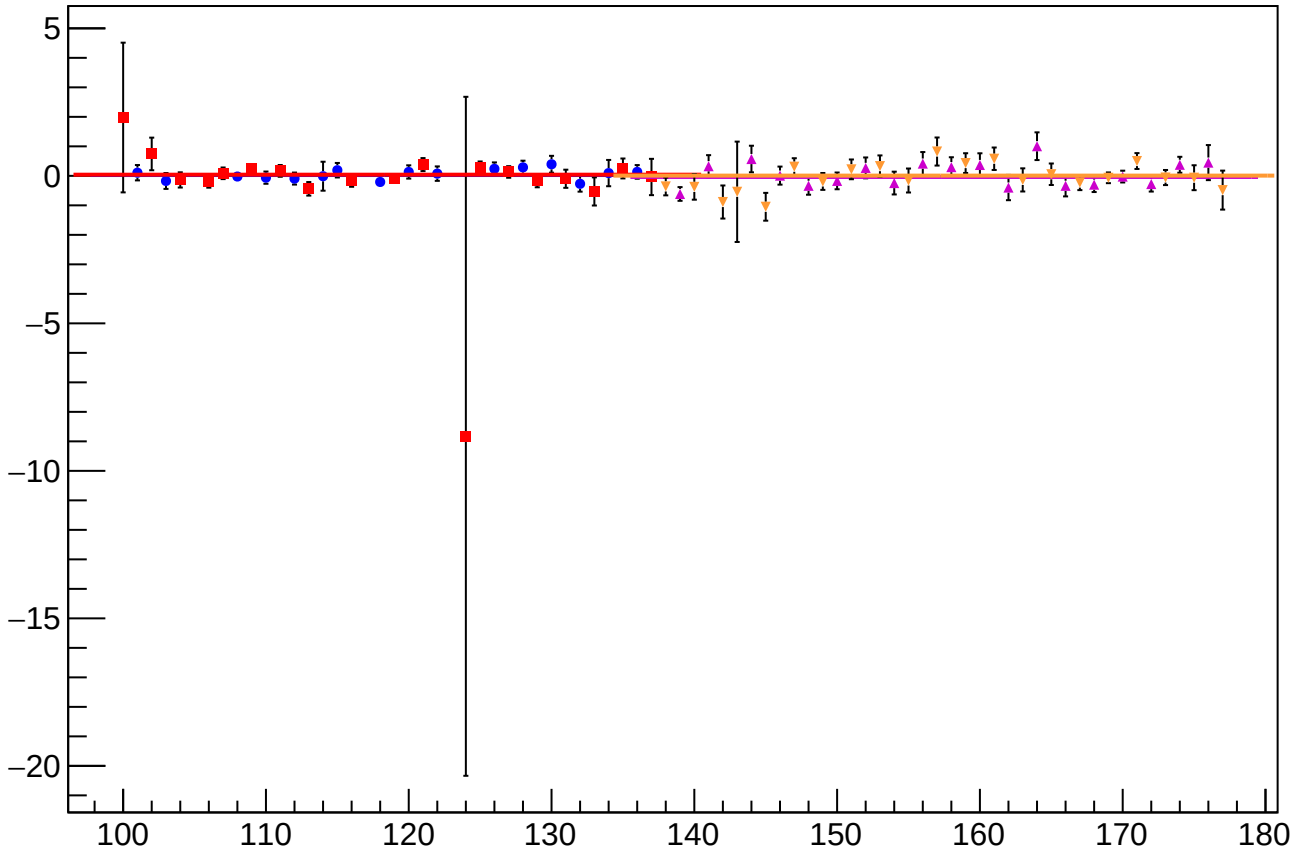
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

+ sign 197.253+/-0.032 χ^2/NDF: 8504402.2/36

All: 190.799+/-0.022 χ^2/NDF: 16683613.6/74

- sign 184.796+/-0.031 χ^2/NDF: 8100703.5/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

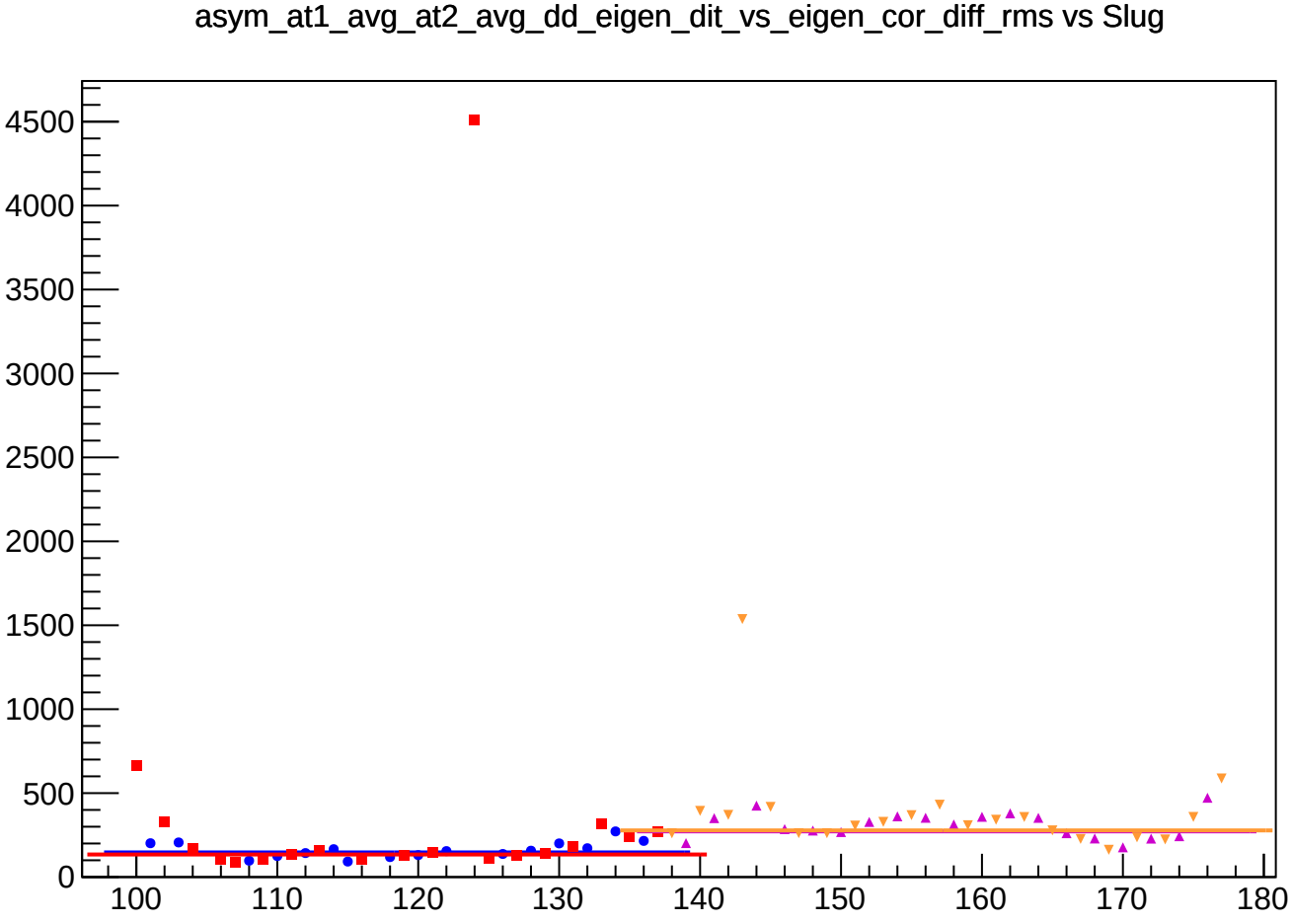
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536897.0/20

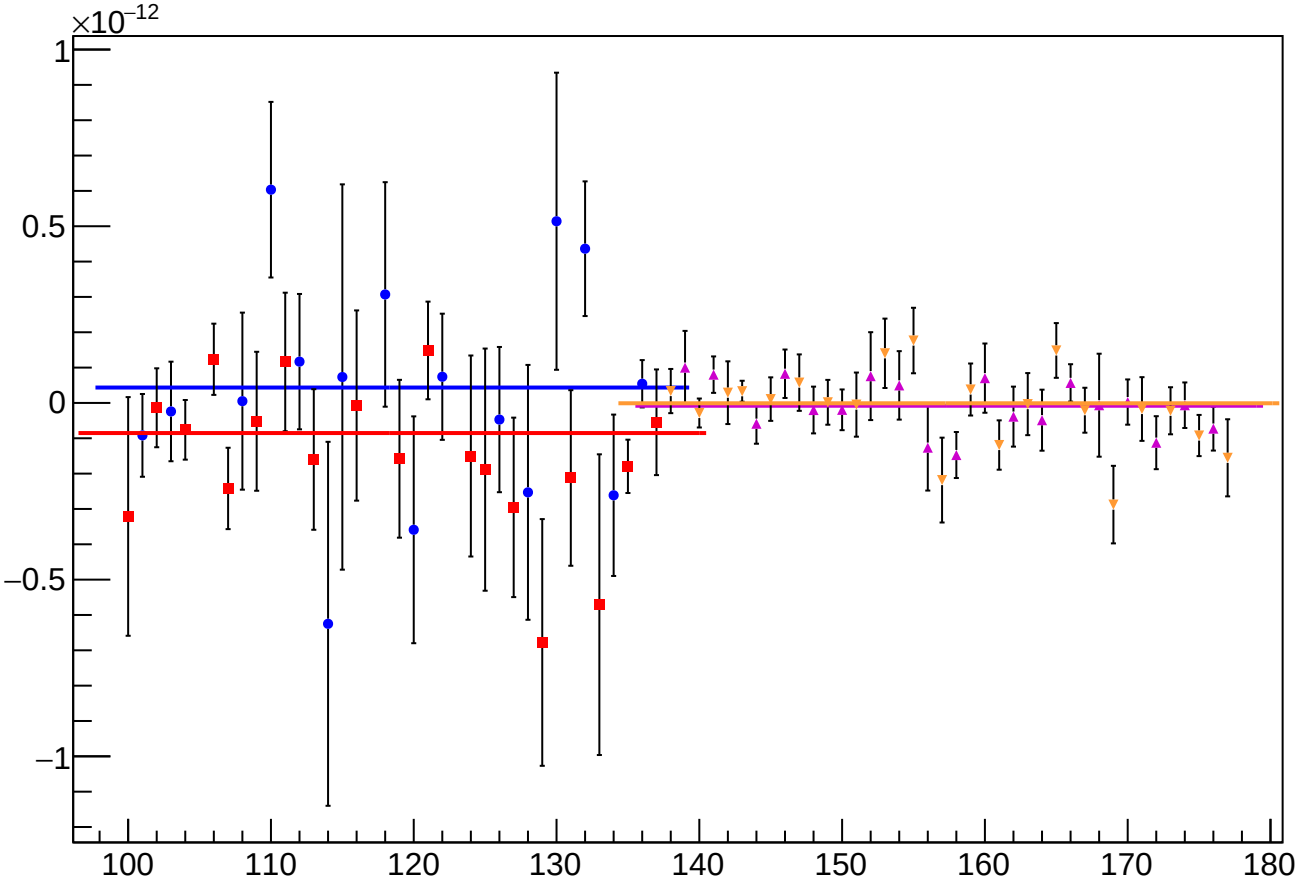
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

+ sign 197.253+/-0.032 χ^2/NDF: 8504402.2/36

All: 190.799+/-0.022 χ^2/NDF: 16683613.6/74

- sign 184.796+/-0.031 χ^2/NDF: 8100703.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/20

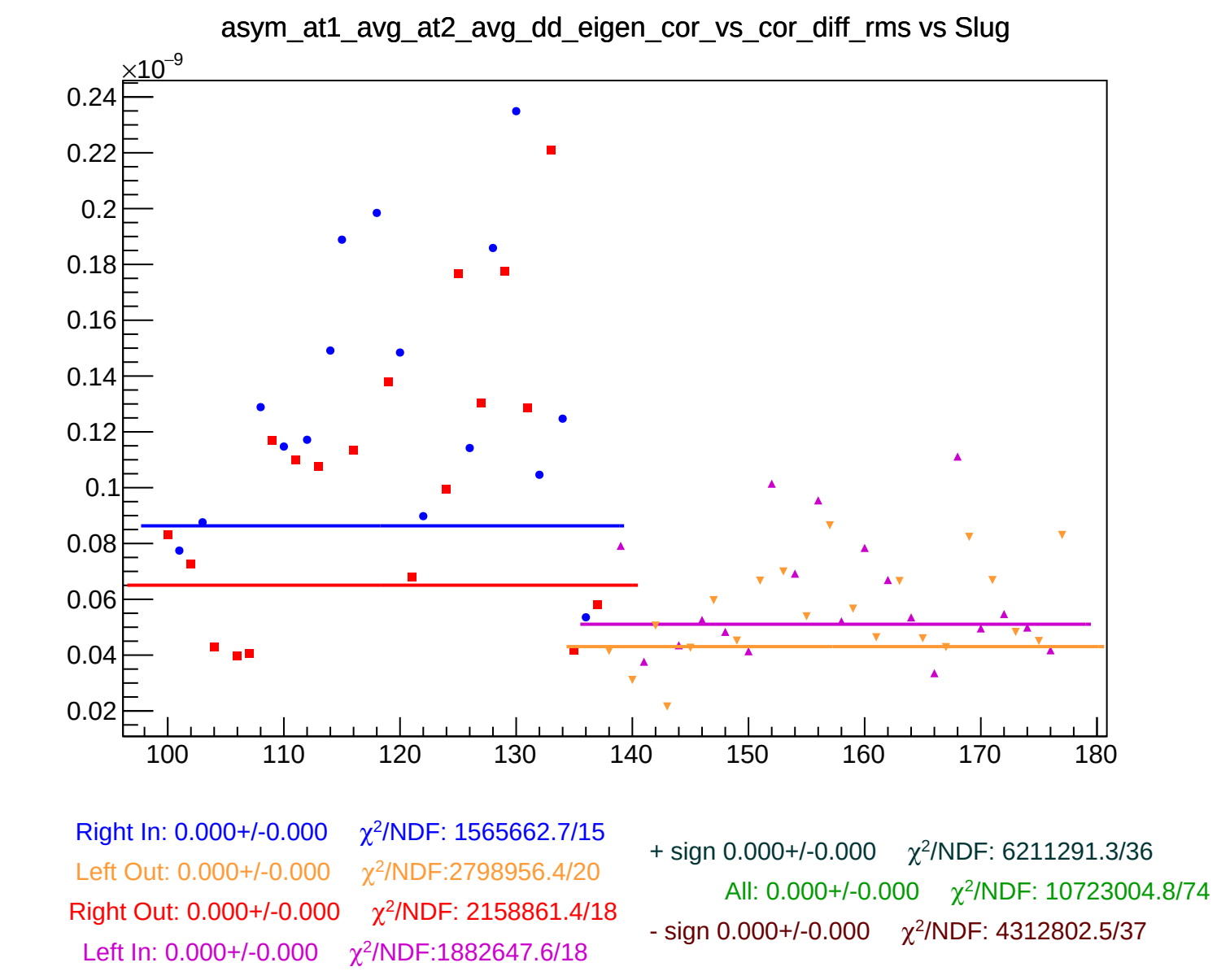
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

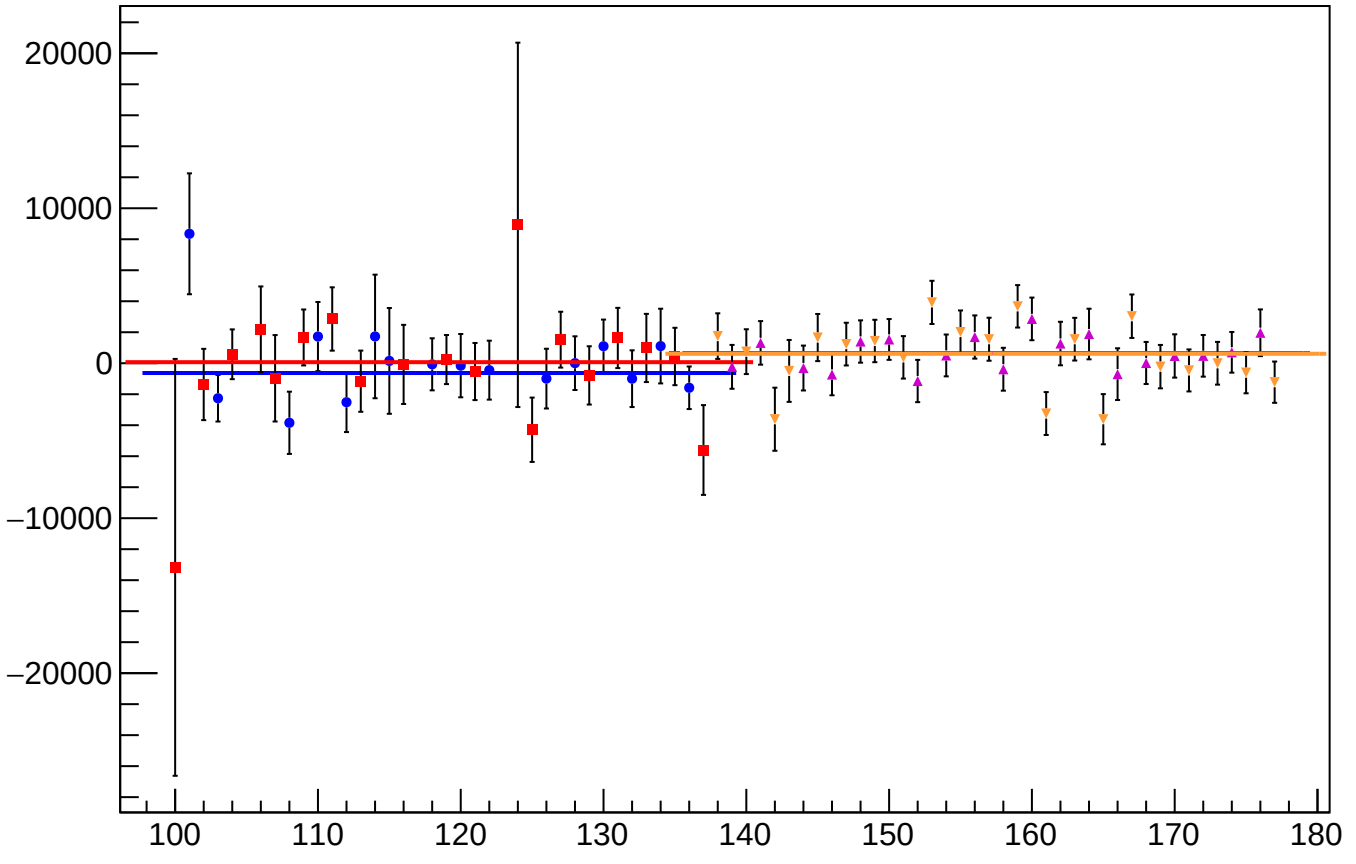
Left In: -0.000+/-0.000 χ^2/NDF:18.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 50.1/36

All: -0.000+/-0.000 χ^2/NDF: 92.6/74

- sign -0.000+/-0.000 χ^2/NDF: 40.9/37


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1565662.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2798956.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 2158861.4/18
Left In: 0.000+/-0.000 χ²/NDF:1882647.6/18
+ sign 0.000+/-0.000 χ²/NDF: 6211291.3/36
All: 0.000+/-0.000 χ²/NDF: 10723004.8/74
- sign 0.000+/-0.000 χ²/NDF: 4312802.5/37



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.349+/-313.353 χ^2/NDF:40.3/20

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

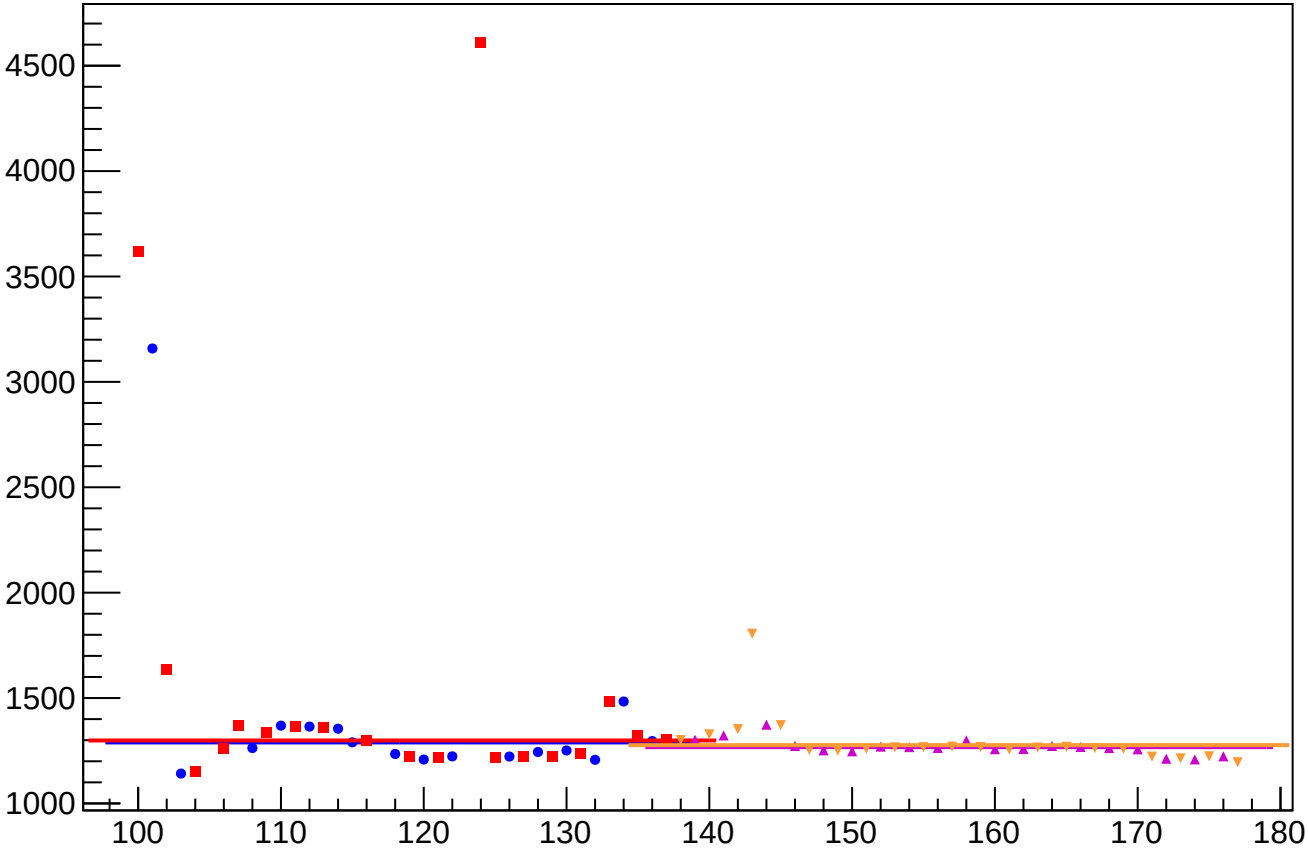
Left In: 656.785+/-321.523 χ^2/NDF:10.7/18

+ sign 248.630+/-263.779 χ^2/NDF: 58.8/36

All: 361.467+/-188.149 χ^2/NDF: 86.8/74

- sign 478.332+/-268.447 χ^2/NDF: 27.6/37

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

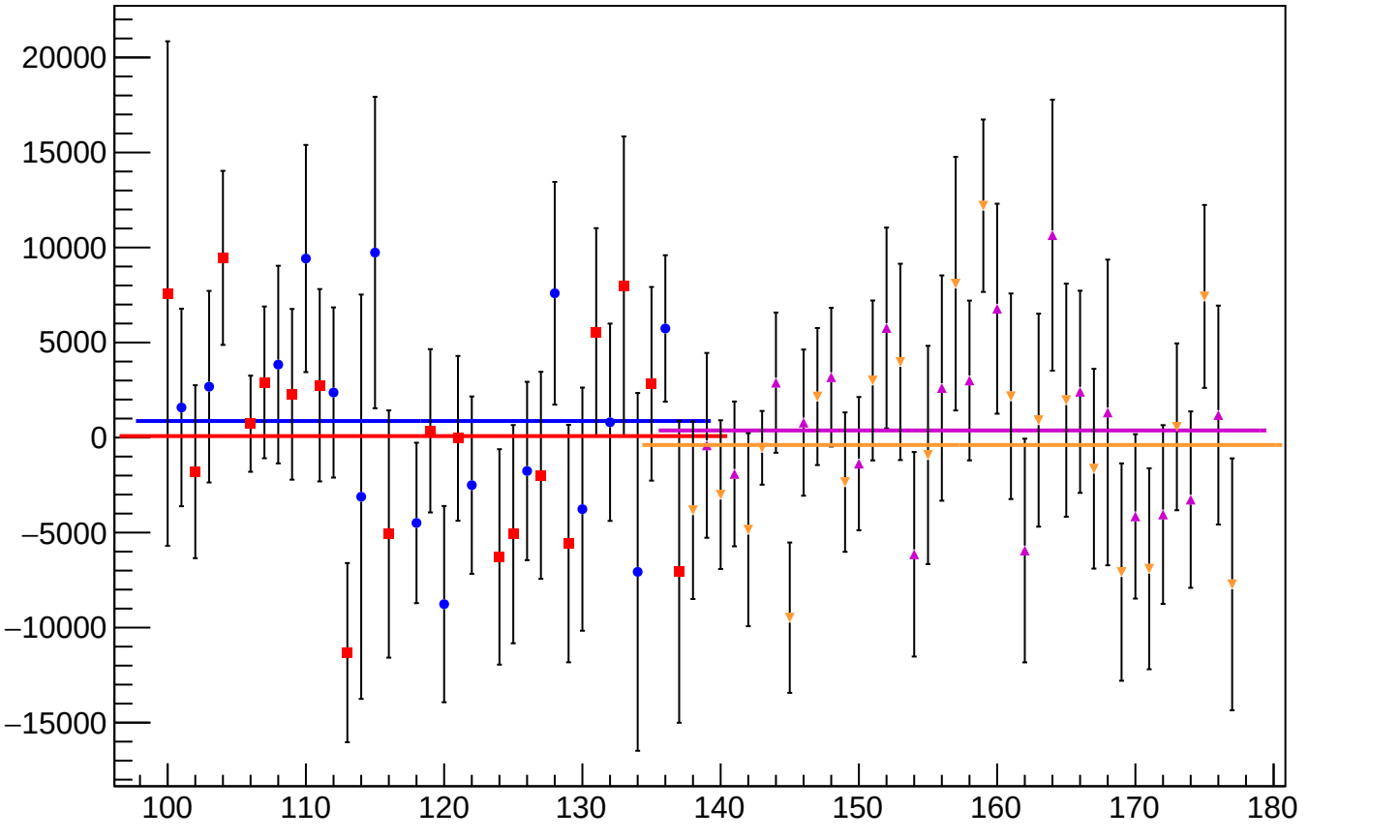
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1280.267+/-0.187 χ^2/NDF: 690306.9/36

All: 1278.470+/-0.133 χ^2/NDF: 1042022.9/74

- sign 1276.612+/-0.190 χ^2/NDF: 351527.2/37



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -389.734+/-936.900 χ^2/NDF:25.8/20

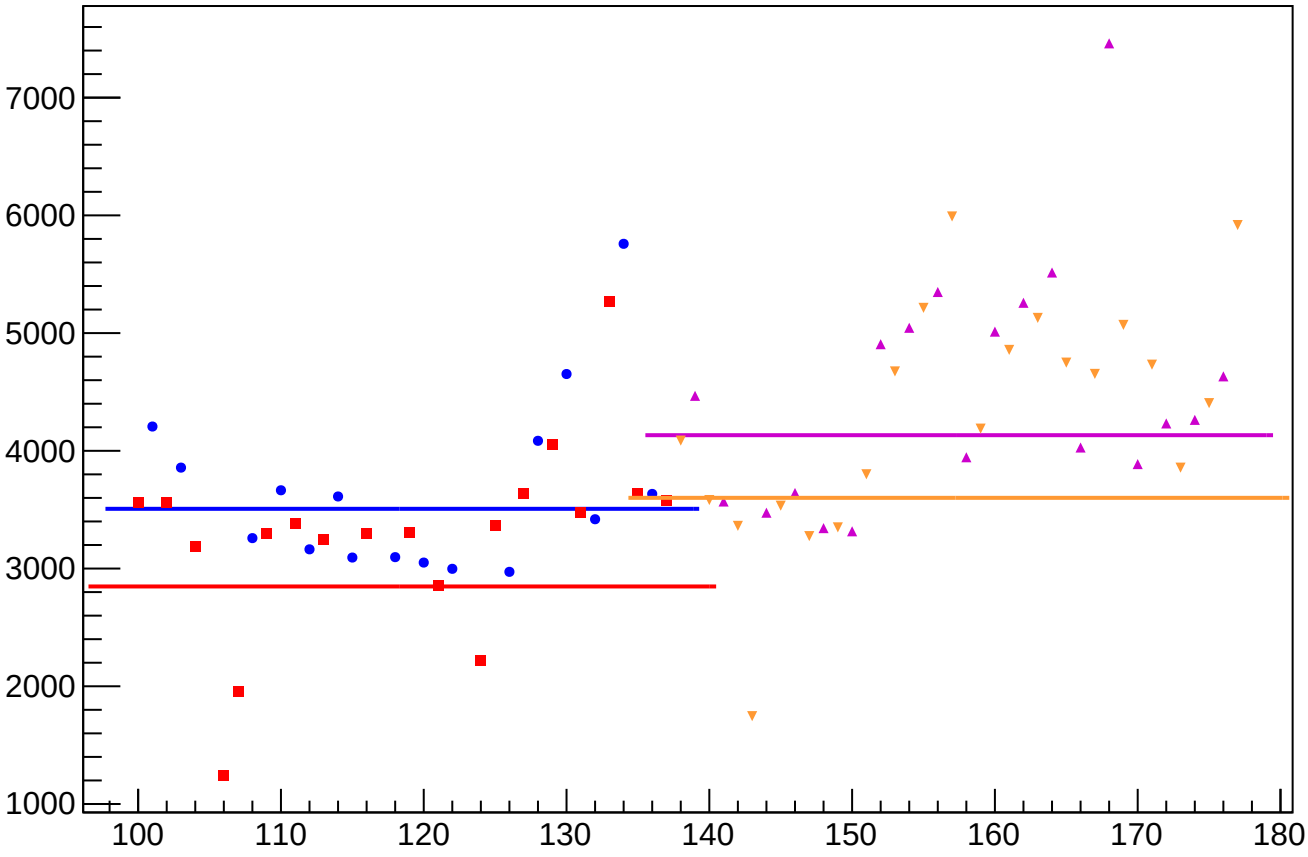
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 374.536+/-1071.133 χ^2/NDF:12.1/18

\+ sign 30.148+/-765.034 χ^2/NDF: 40.4/36

All: 129.958+/-543.106 χ^2/NDF: 71.0/74

\- sign 231.368+/-771.139 χ^2/NDF: 30.5/37



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3600.663+/-0.662 χ^2/NDF:3357722.6/20

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

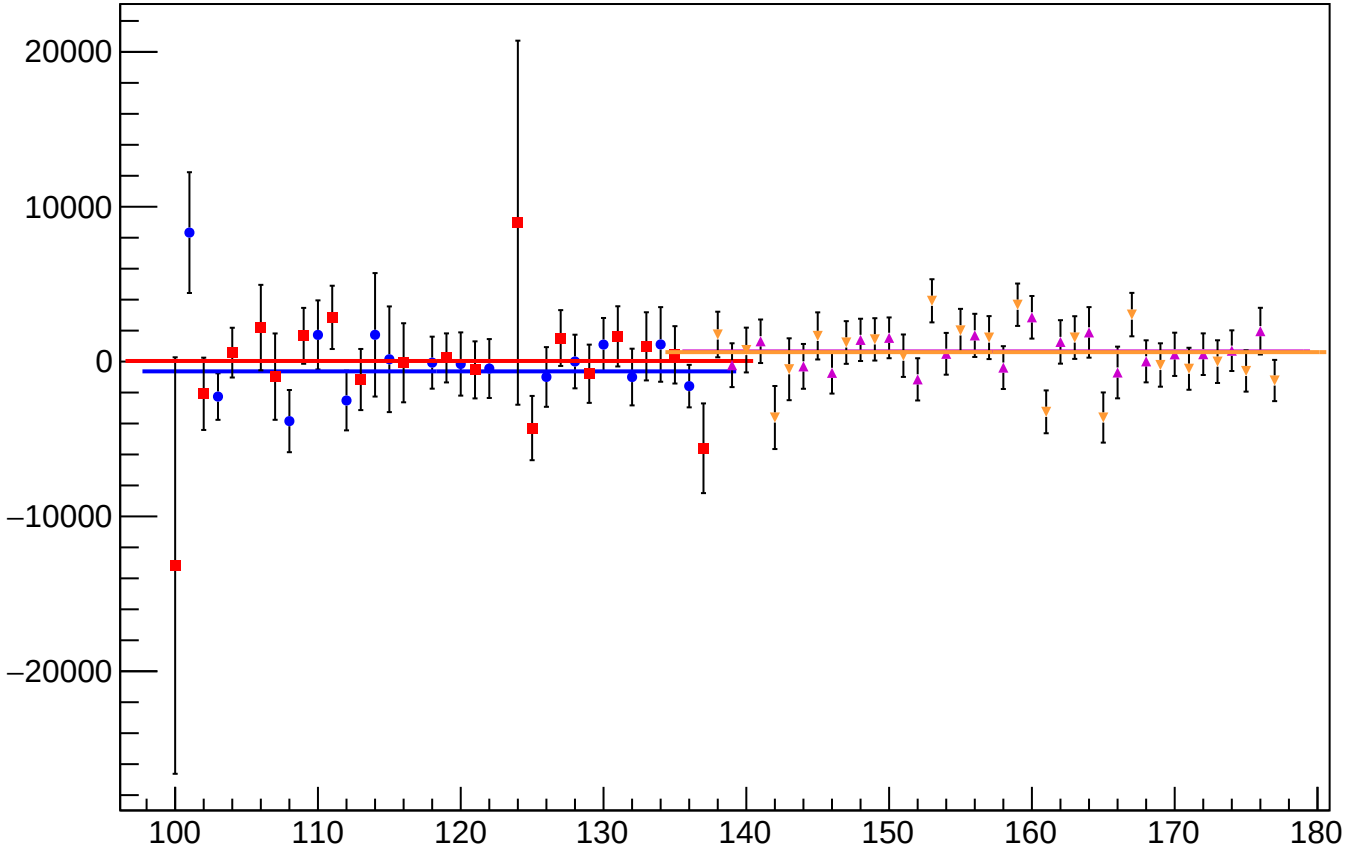
Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

+ sign 3569.584+/-0.541 χ^2/NDF: 3718306.2/36

All: 3541.932+/-0.384 χ^2/NDF: 7715754.6/74

- sign 3513.838+/-0.545 χ^2/NDF: 3992181.0/37

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

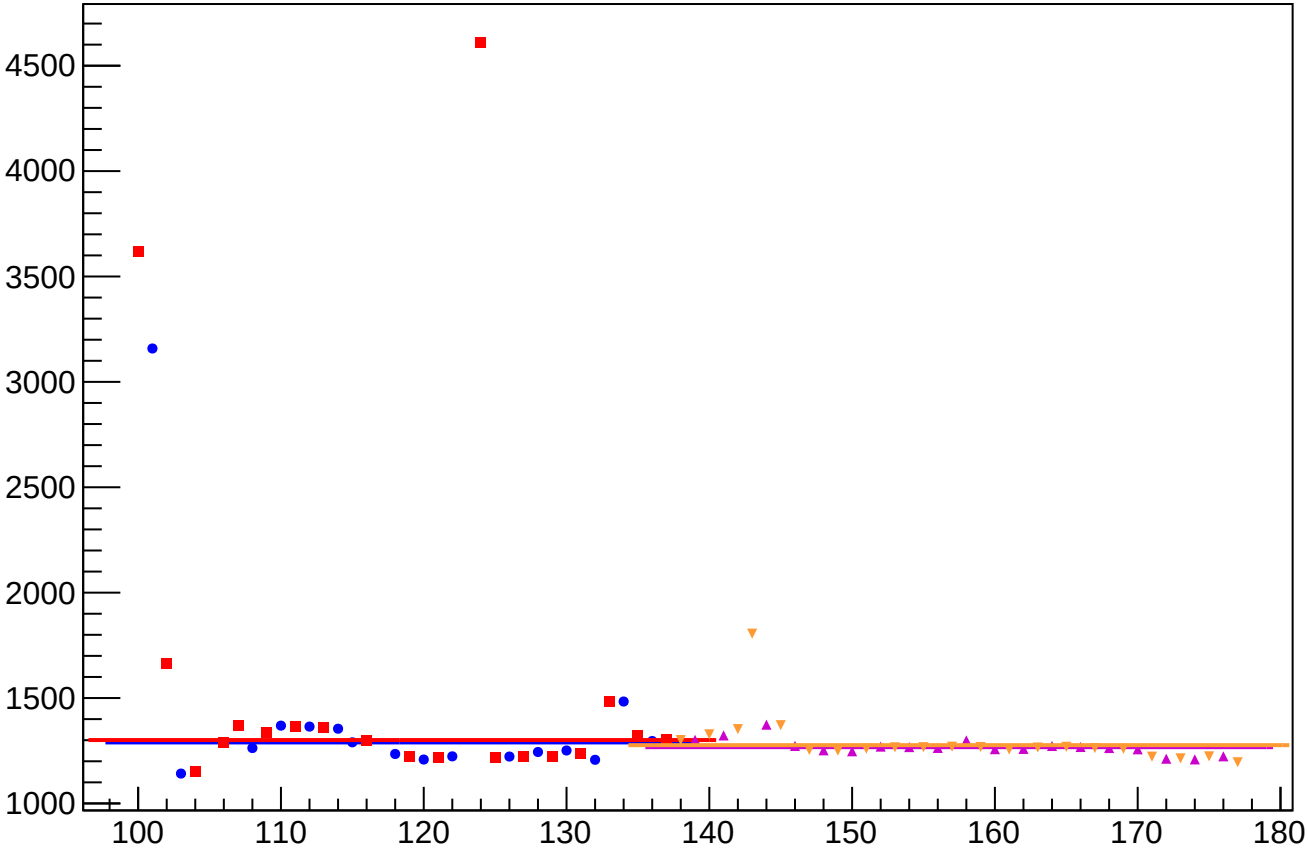
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 357.145+/-188.167 χ^2/NDF: 87.3/74

- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

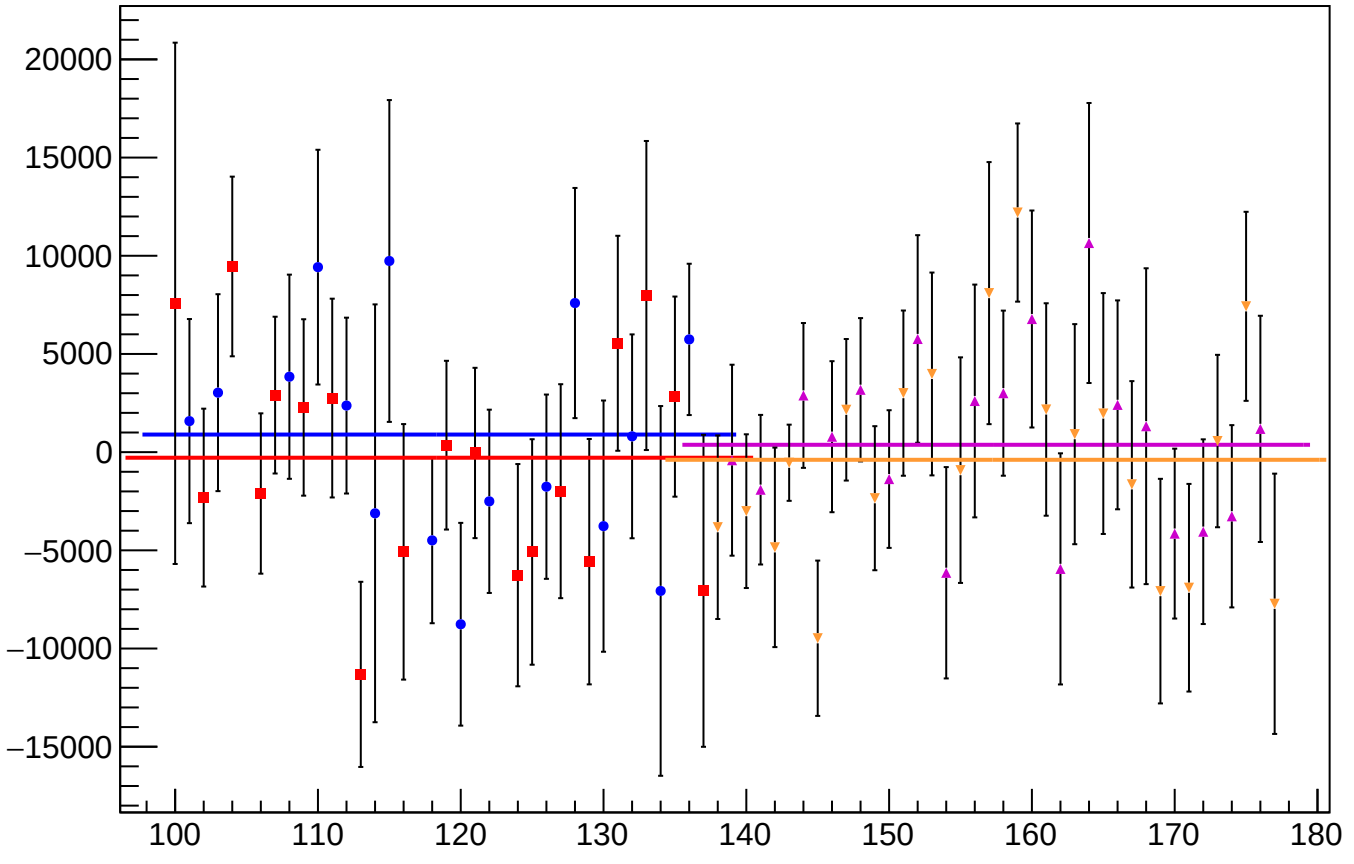
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -389.670+/-936.899 χ^2/NDF:25.8/20

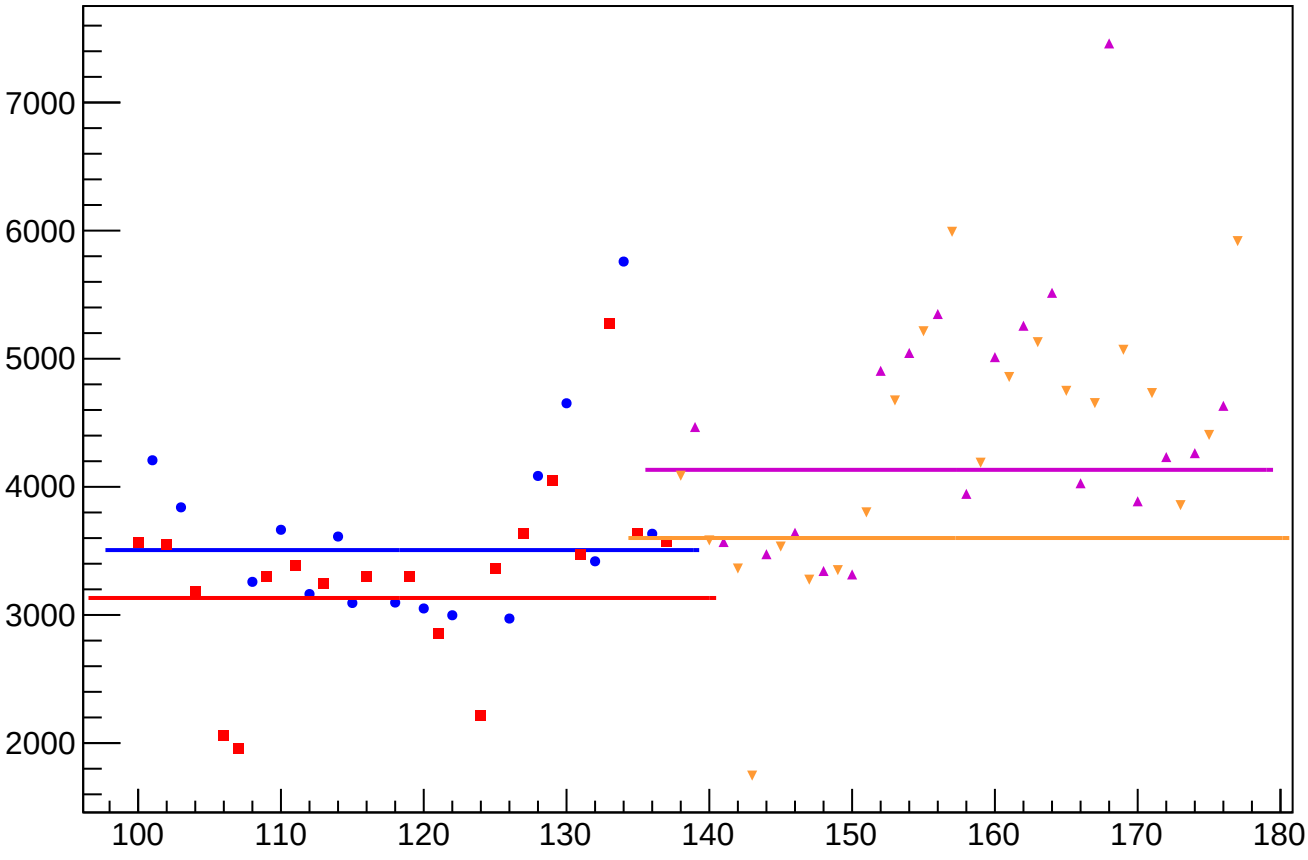
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 374.550+/-1071.131 χ^2/NDF:12.1/18

+ sign 38.958+/-764.945 χ^2/NDF: 40.5/36

All: 57.722+/-550.906 χ^2/NDF: 71.4/74

- sign 77.942+/-794.068 χ^2/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

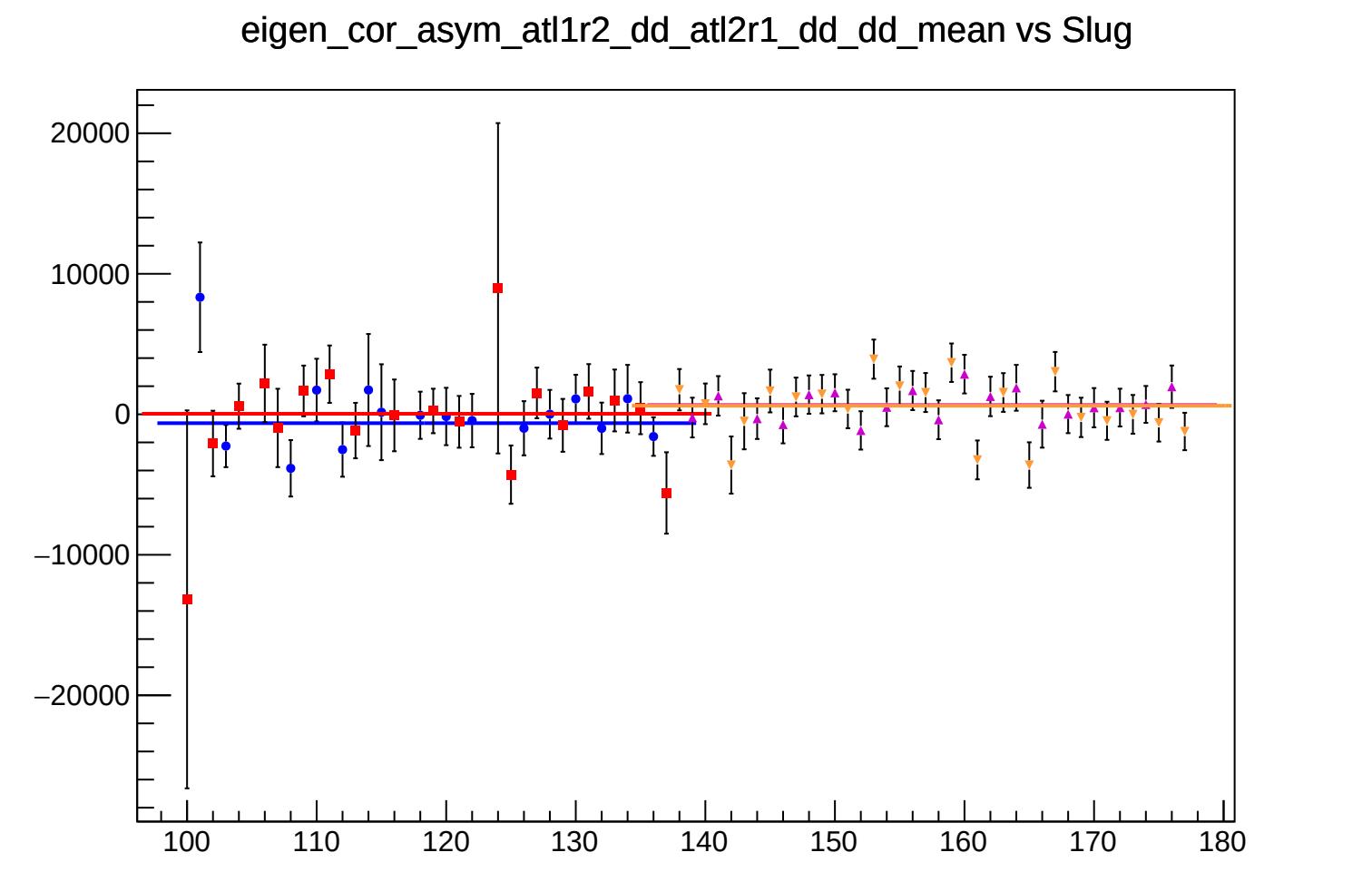
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3569.259+/-0.541 χ^2/NDF: 3717732.5/36

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

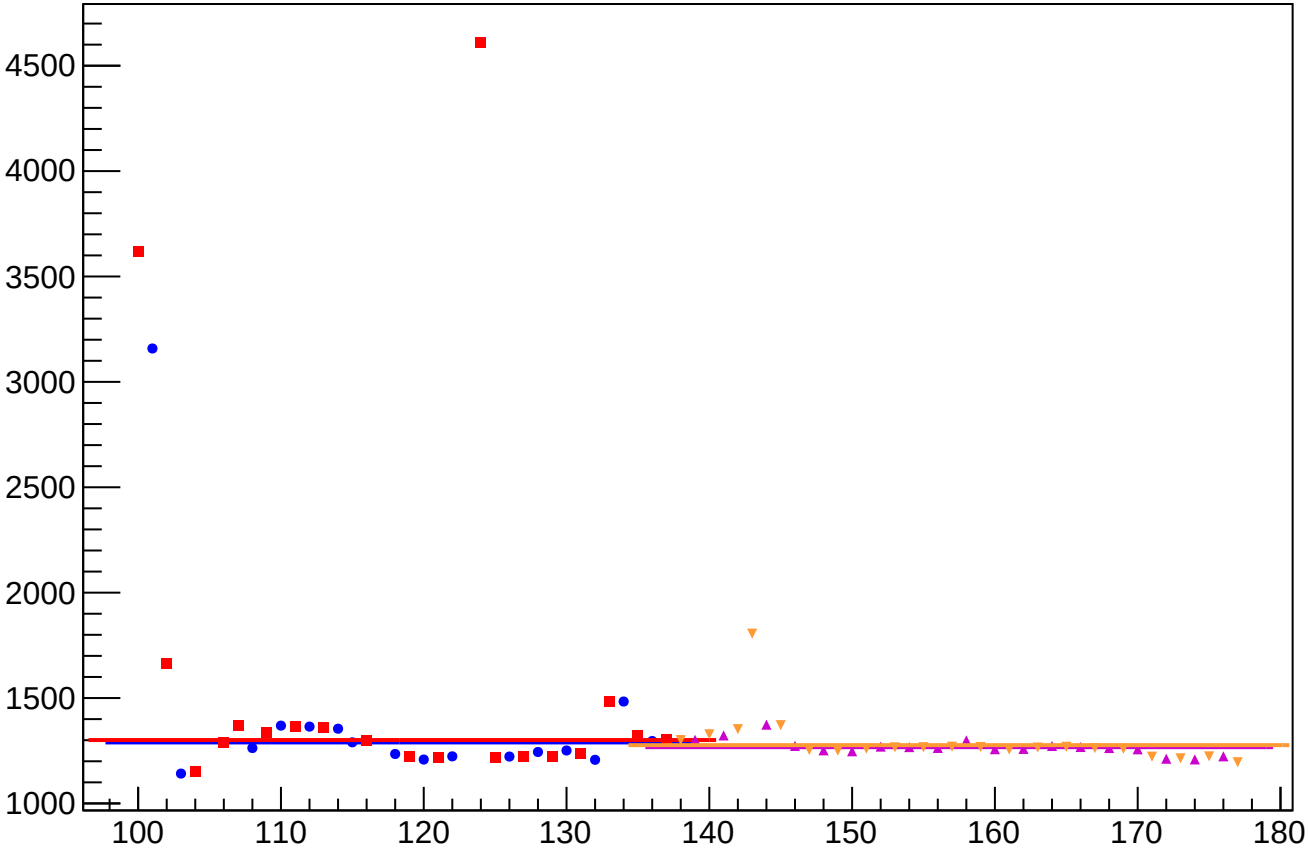
Left In: 656.732+/-321.523 χ^2/NDF:10.7/18

+ sign 248.536+/-263.779 χ^2/NDF: 58.8/36

All: 357.145+/-188.167 χ^2/NDF: 87.3/74

- sign 469.678+/-268.501 χ^2/NDF: 28.2/37

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: 1276.484+/-0.222 χ^2/NDF:174631.6/20

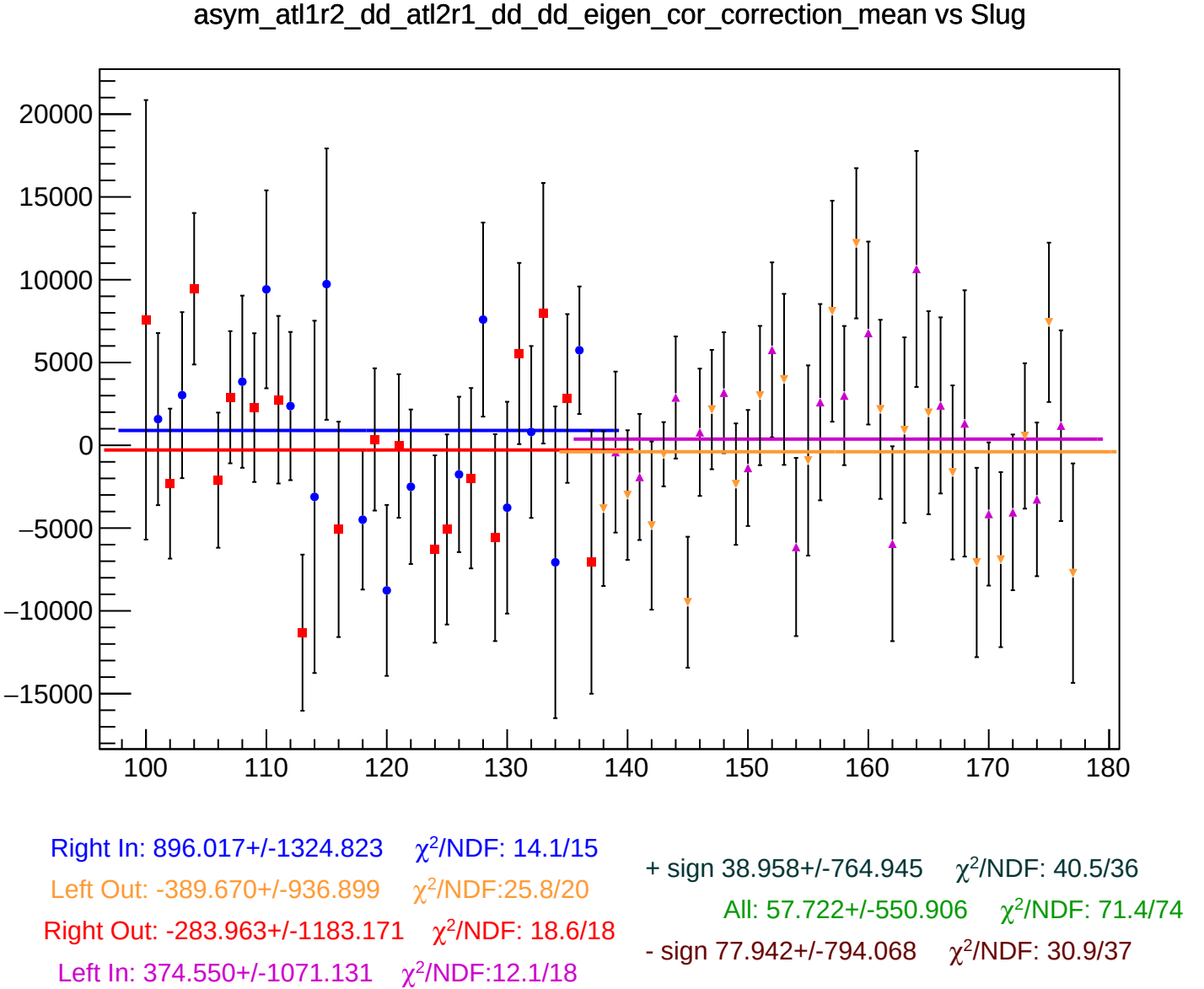
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

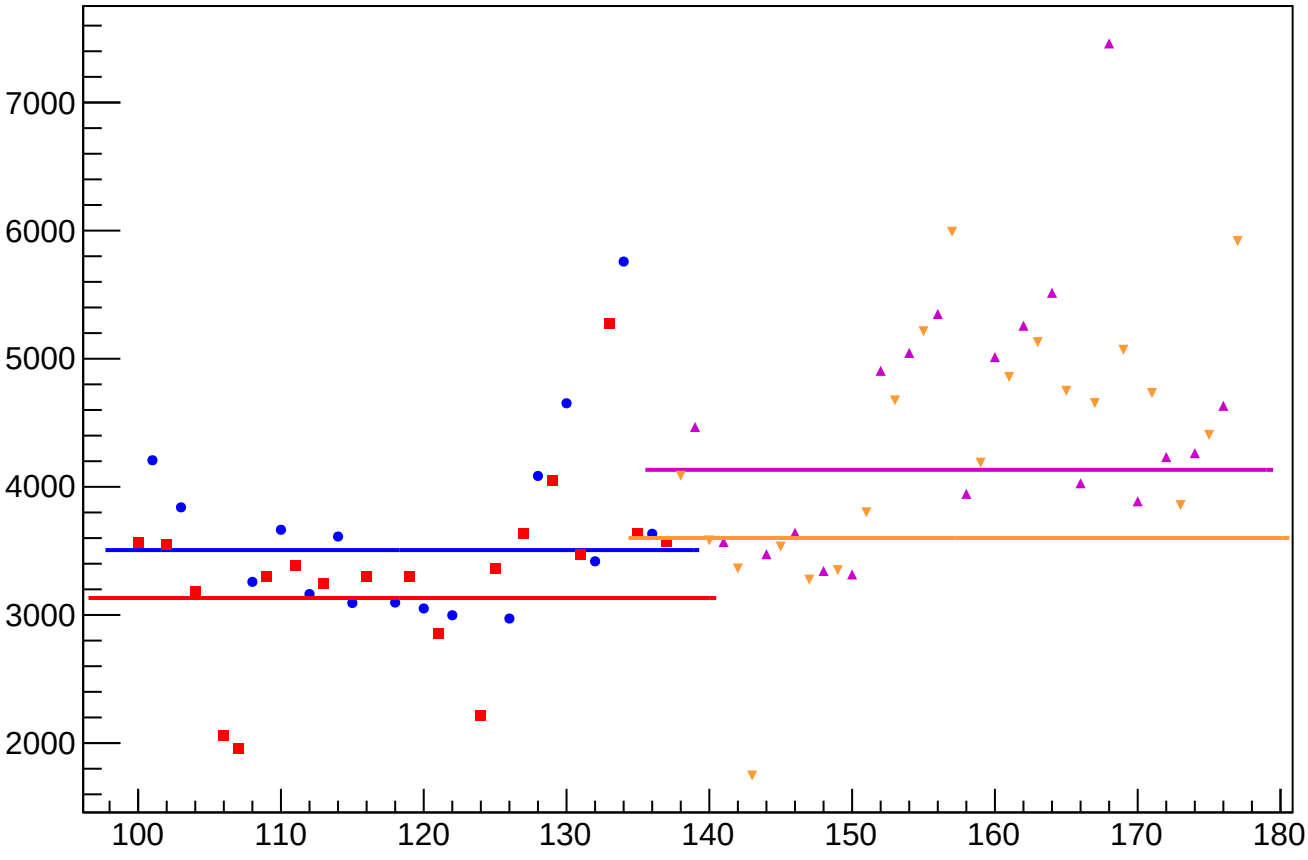
Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

+ sign 1280.267+/-0.187 χ^2/NDF: 690308.3/36

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74

- sign 1277.209+/-0.190 χ^2/NDF: 358826.6/37


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: -389.670+/-936.899 χ²/NDF:25.8/20
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 374.550+/-1071.131 χ²/NDF:12.1/18
+ sign 38.958+/-764.945 χ²/NDF: 40.5/36
All: 57.722+/-550.906 χ²/NDF: 71.4/74
- sign 77.942+/-794.068 χ²/NDF: 30.9/37



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

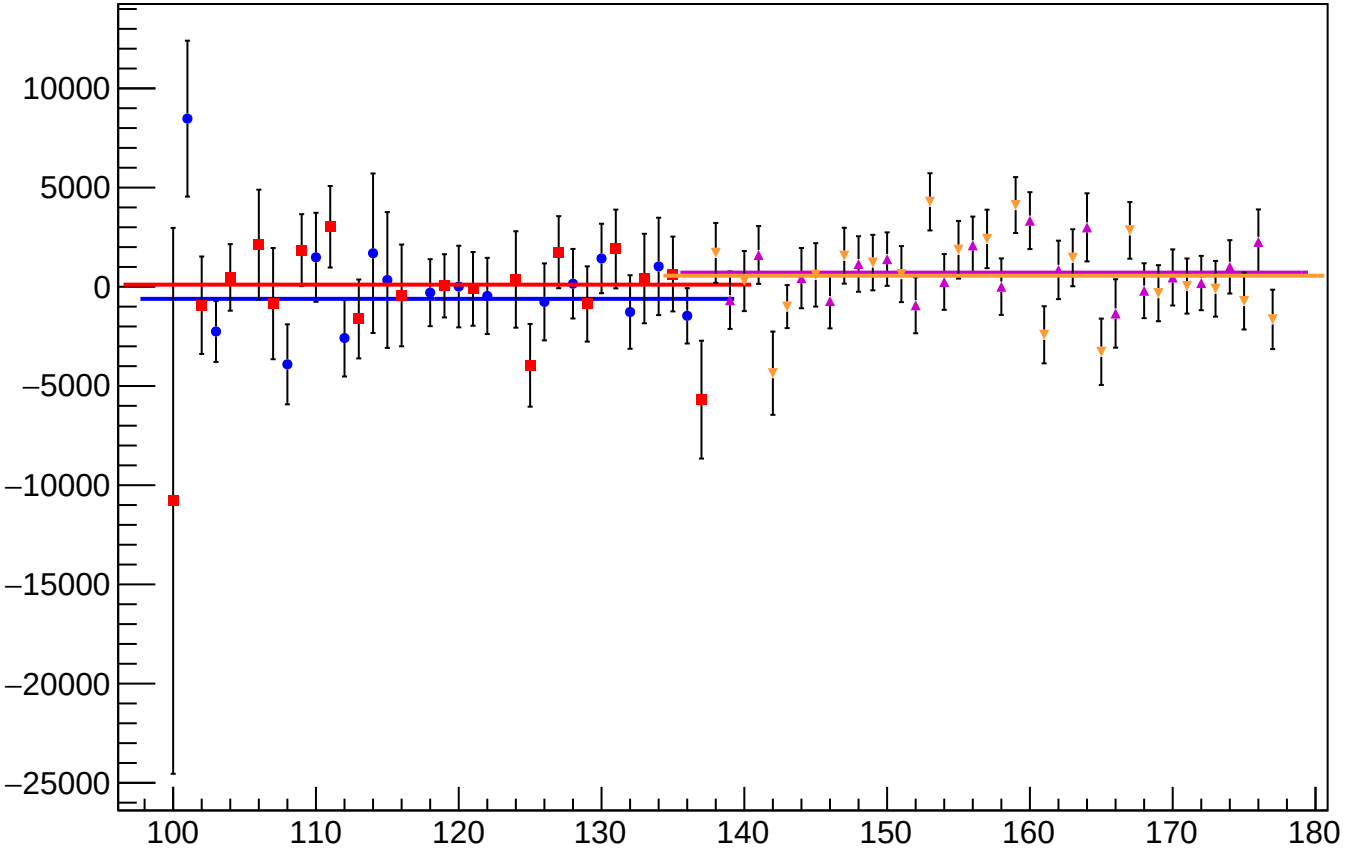
Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

+ sign 3569.259+/-0.541 χ^2/NDF: 3717732.5/36

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74

- sign 3682.290+/-0.561 χ^2/NDF: 2541446.9/37

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.036+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

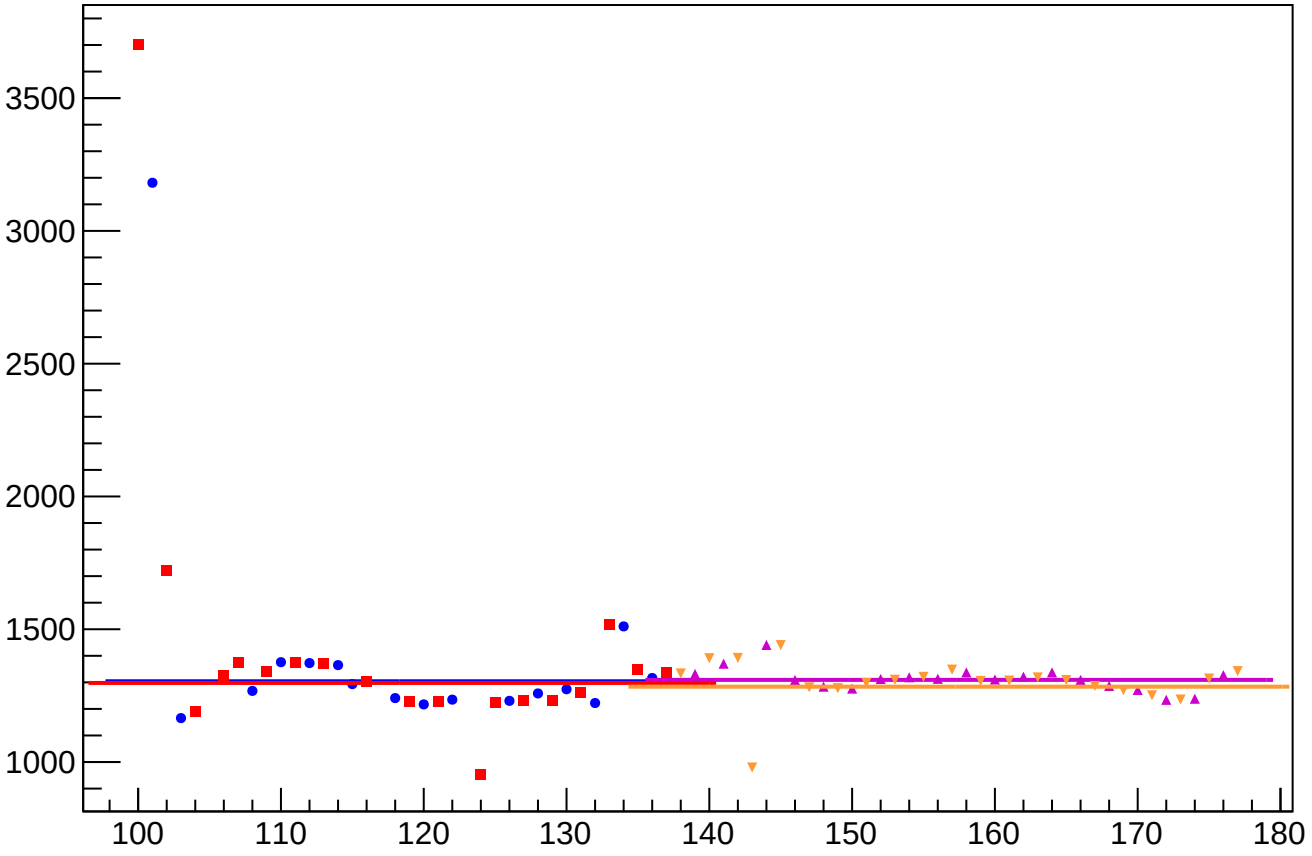
Left In: 714.051+/-332.363 χ^2/NDF:13.5/18

+ sign 221.384+/-265.834 χ^2/NDF: 58.6/36

All: 366.461+/-190.884 χ^2/NDF: 88.6/74

- sign 520.884+/-274.264 χ^2/NDF: 29.4/37

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.699+/-0.223 χ^2/NDF:210710.5/20

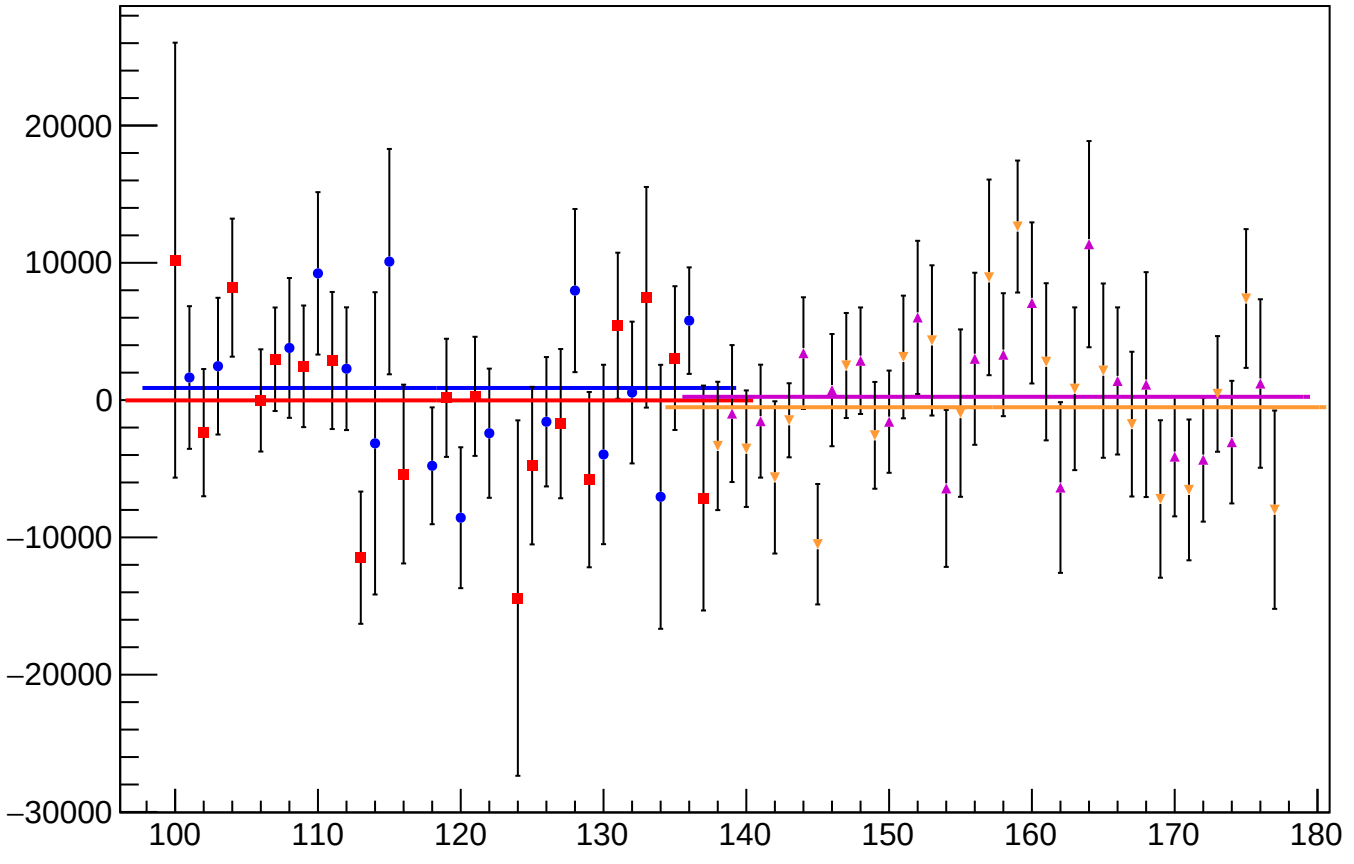
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

+ sign 1289.603+/-0.188 χ^2/NDF: 723722.7/36

All: 1297.382+/-0.135 χ^2/NDF: 977340.1/74

- sign 1305.658+/-0.194 χ^2/NDF: 250082.8/37



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -517.647+/-1034.802 χ^2/NDF:25.6/20

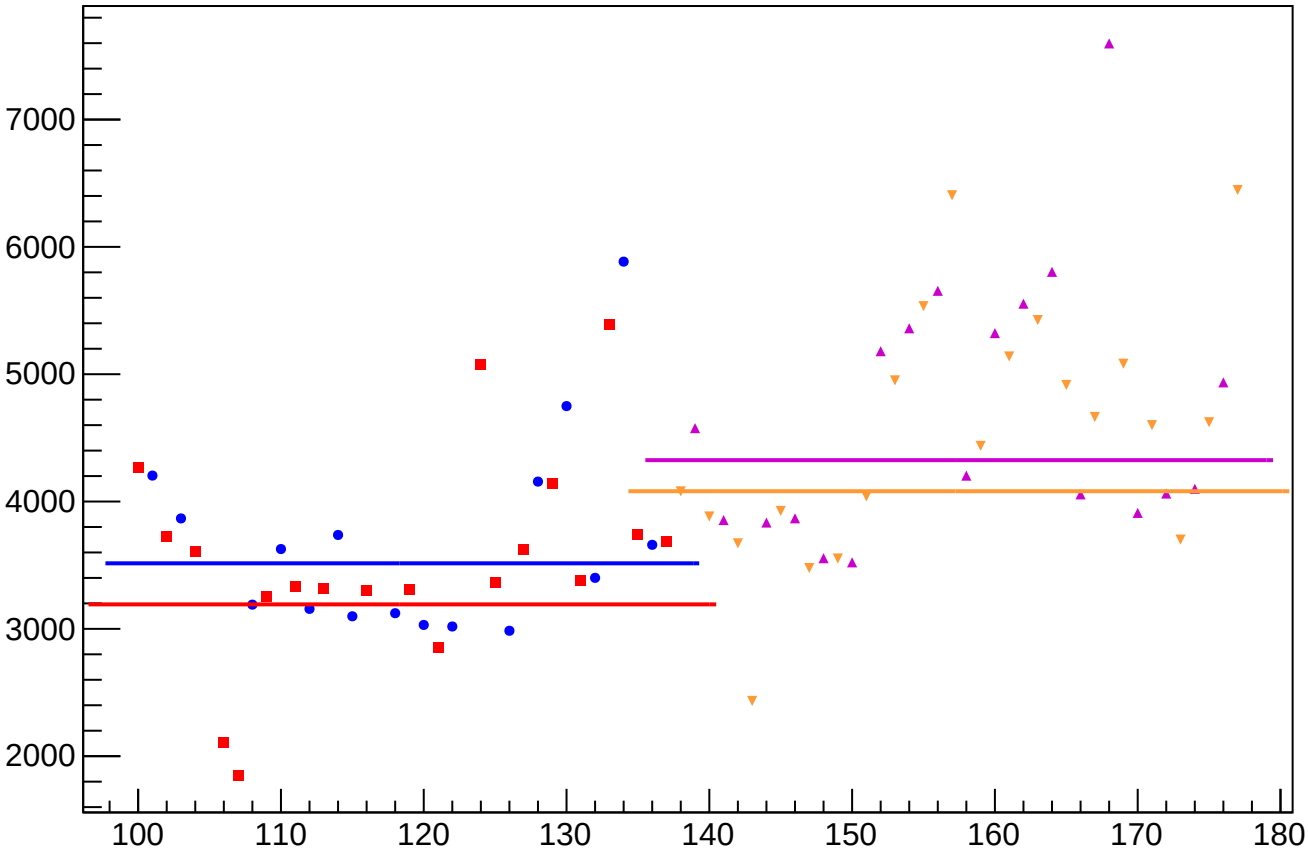
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 239.932+/-1120.053 χ^2/NDF:12.0/18

\+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 65.226+/-578.030 χ^2/NDF: 69.3/74

\- sign 118.597+/-818.808 χ^2/NDF: 28.9/37



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4081.017+/-0.732 χ^2/NDF:1803960.9/20

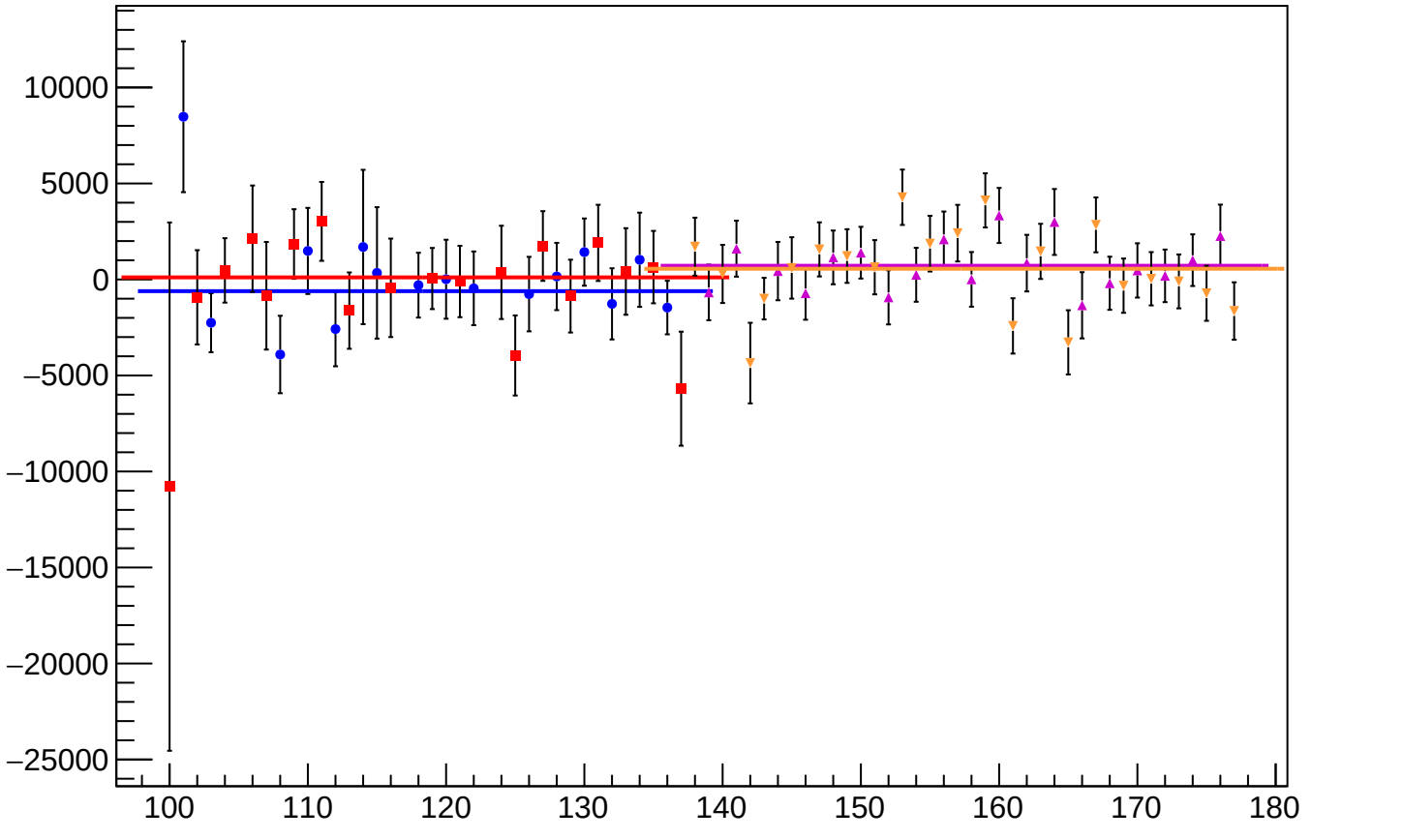
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4324.914+/-0.792 χ^2/NDF:1048985.0/18

+ sign 3866.963+/-0.577 χ^2/NDF: 2405432.3/36

All: 3832.372+/-0.409 χ^2/NDF: 5186437.6/74

- sign 3797.551+/-0.579 χ^2/NDF: 2773795.3/37



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.039+/-315.347 χ^2/NDF:40.5/20

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

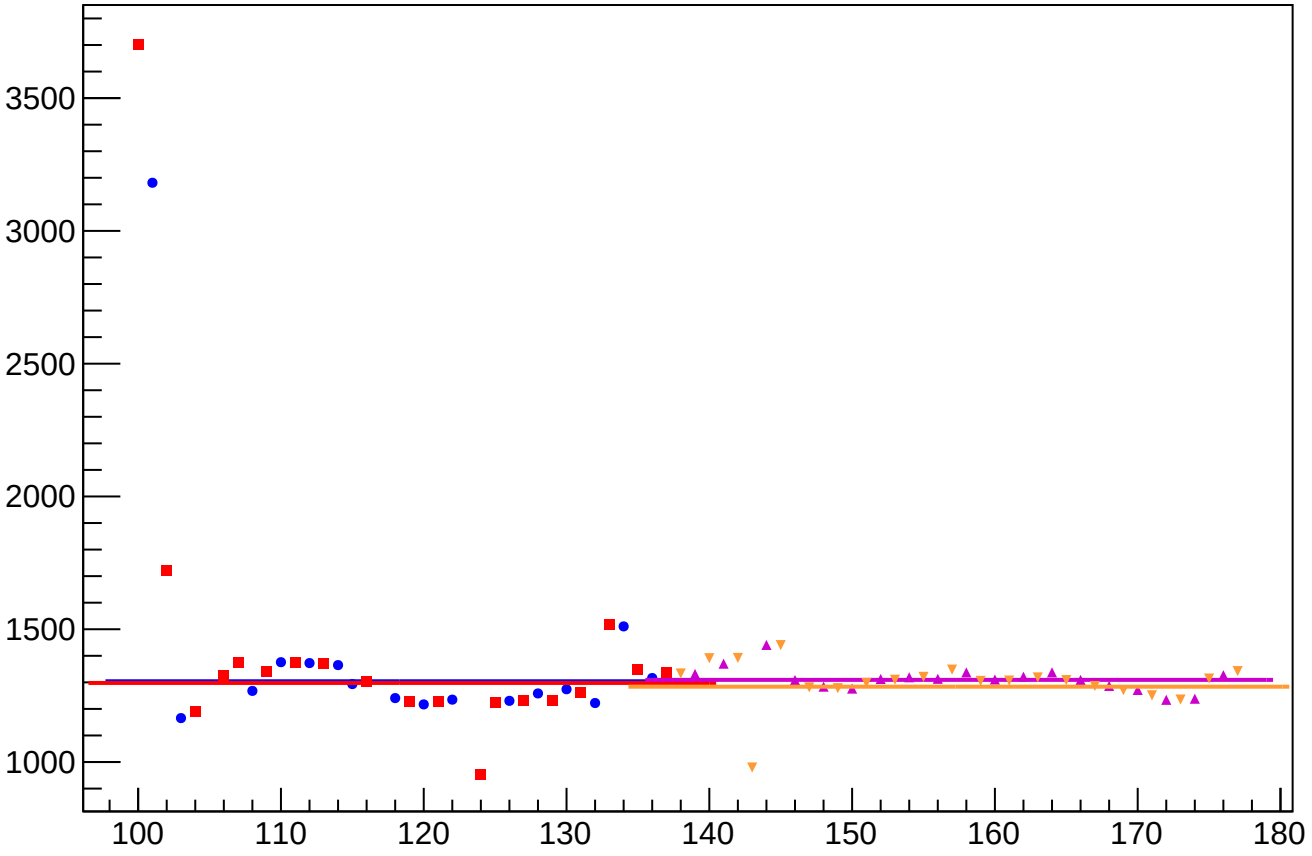
Left In: 714.052+/-332.363 χ^2/NDF:13.5/18

\+ sign 221.385+/-265.834 χ^2/NDF: 58.6/36

All: 366.462+/-190.884 χ^2/NDF: 88.6/74

\- sign 520.886+/-274.264 χ^2/NDF: 29.4/37

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: 1283.700+/-0.223 χ^2/NDF:210712.2/20

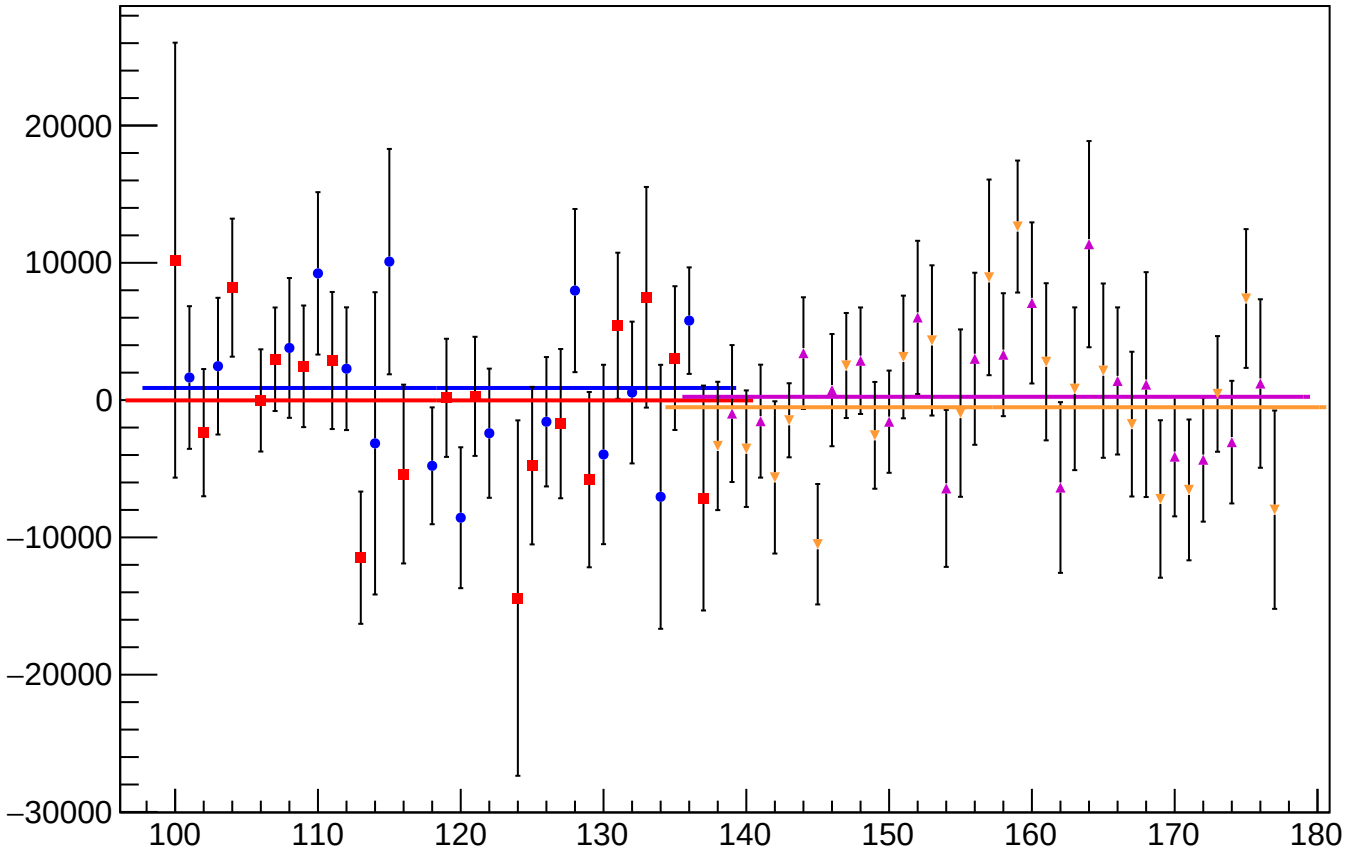
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

+ sign 1289.603+/-0.188 χ^2/NDF: 723724.3/36

All: 1297.382+/-0.135 χ^2/NDF: 977343.1/74

- sign 1305.658+/-0.194 χ^2/NDF: 250084.2/37



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -517.645+/-1034.804 χ^2/NDF:25.6/20

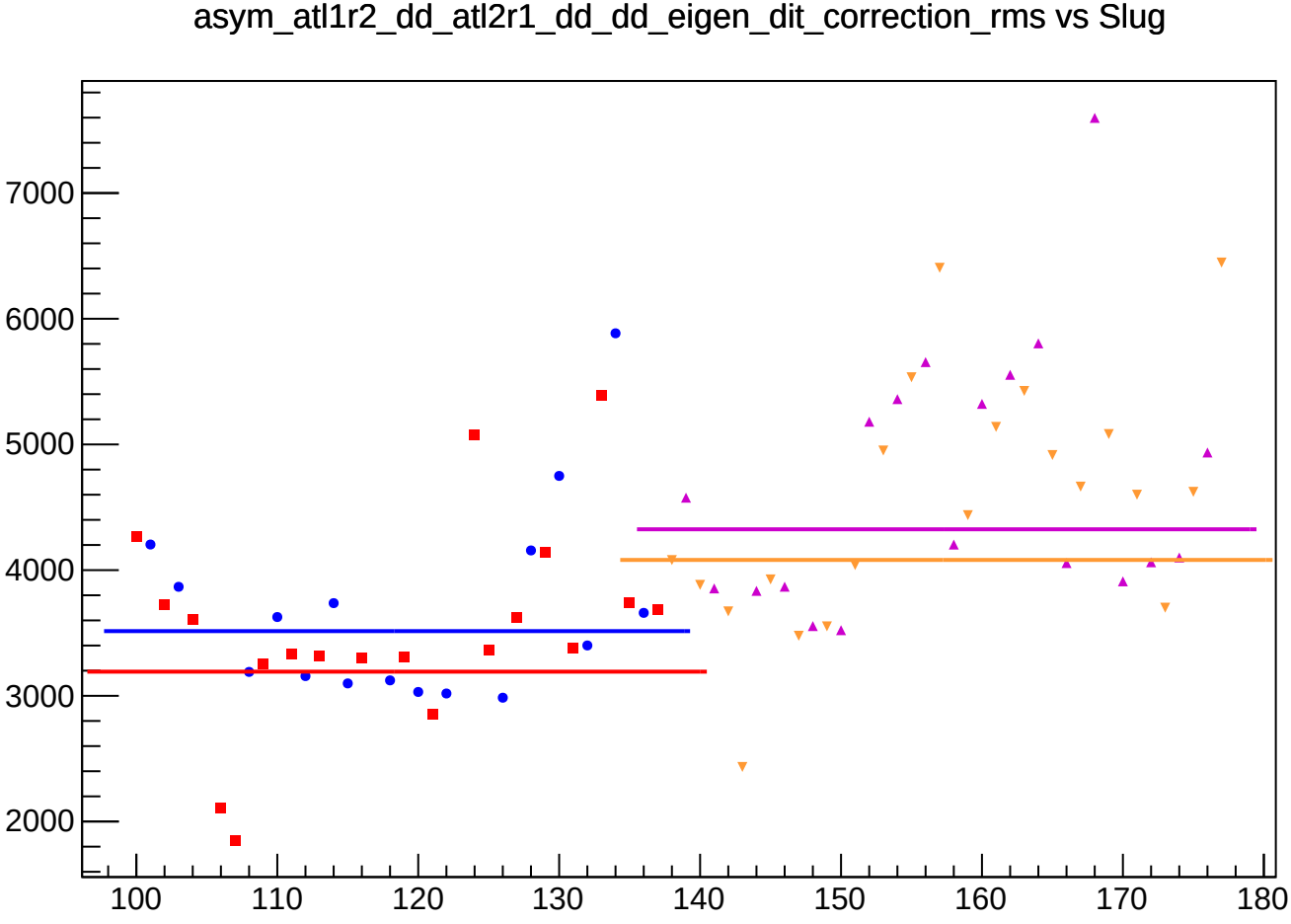
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 239.931+/-1120.055 χ^2/NDF:12.0/18

\+ sign 12.205+/-816.114 χ^2/NDF: 40.4/36

All: 65.226+/-578.029 χ^2/NDF: 69.3/74

\- sign 118.598+/-818.807 χ^2/NDF: 28.9/37



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4081.023+/-0.732 χ^2/NDF:1803962.4/20

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

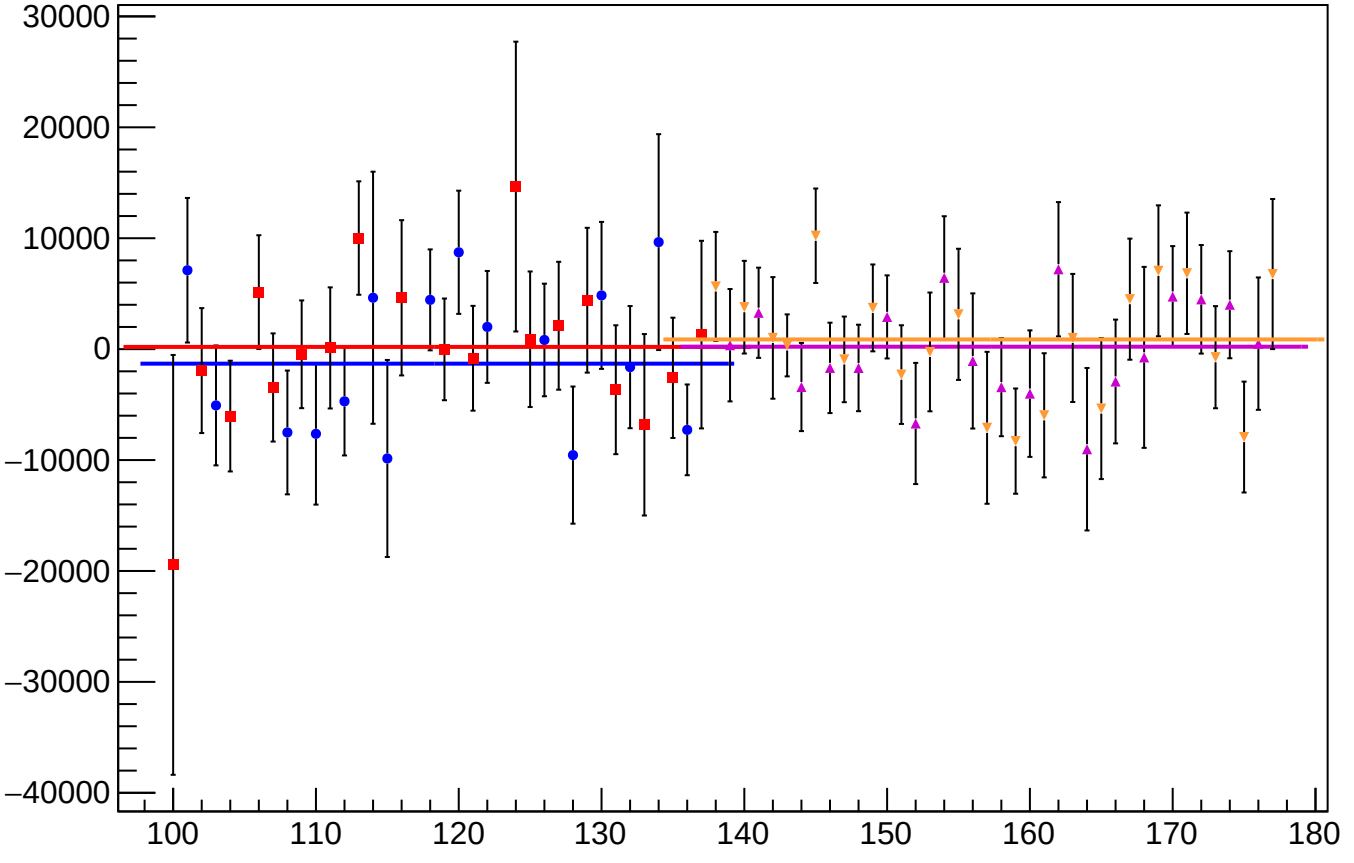
Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

+ sign 3866.963+/-0.577 χ^2/NDF: 2405450.9/36

All: 3832.370+/-0.409 χ^2/NDF: 5186486.0/74

- sign 3797.549+/-0.579 χ^2/NDF: 2773824.8/37

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 874.387+/-1043.434 χ^2/NDF:22.0/20

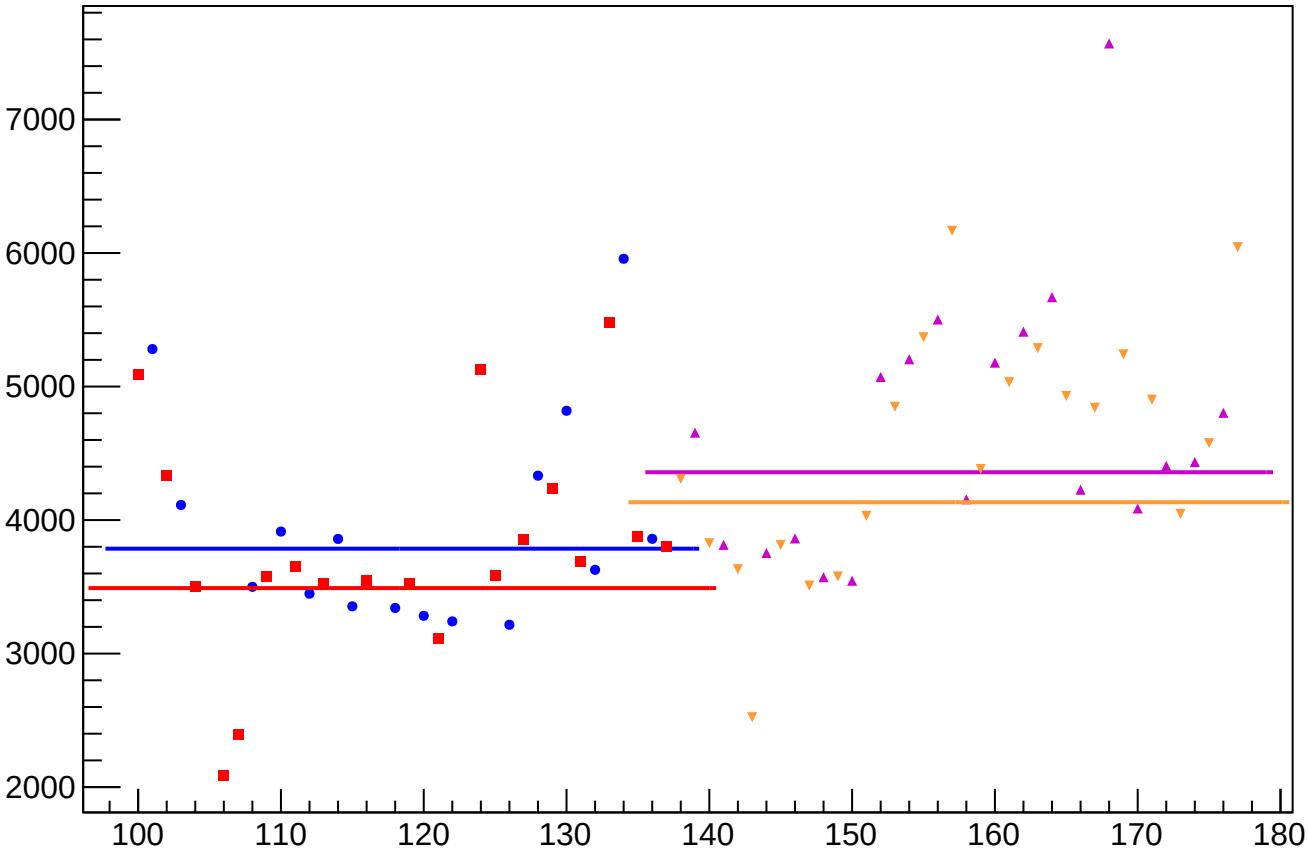
Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 220.440+/-1125.949 χ^2/NDF:12.1/18

\+ sign 116.795+/-843.231 χ^2/NDF: 41.1/36

All: 163.706+/-602.433 χ^2/NDF: 64.9/74

\- sign 212.614+/-860.983 χ^2/NDF: 23.8/37



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4133.516+/-0.738 χ^2/NDF:1585866.2/20

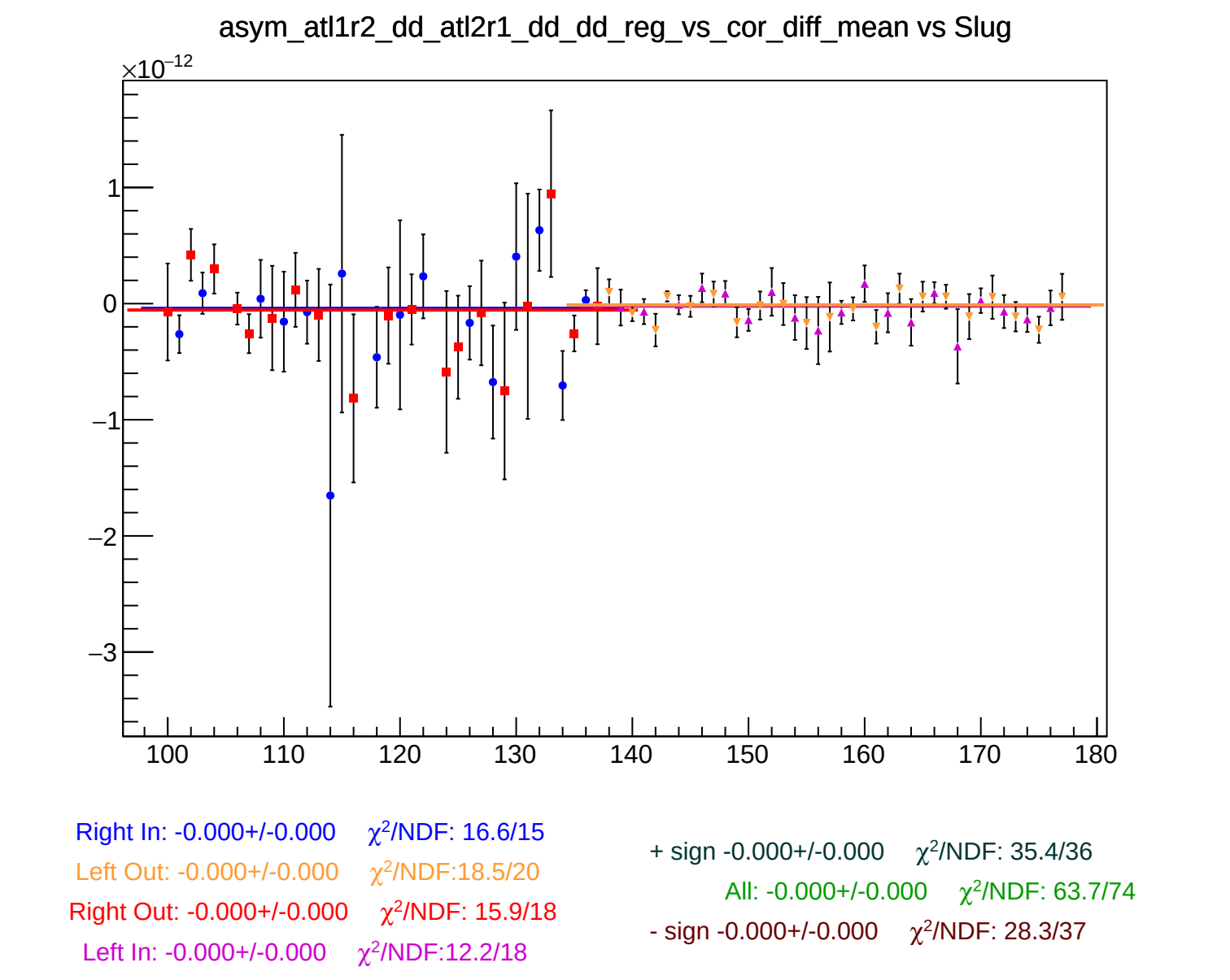
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

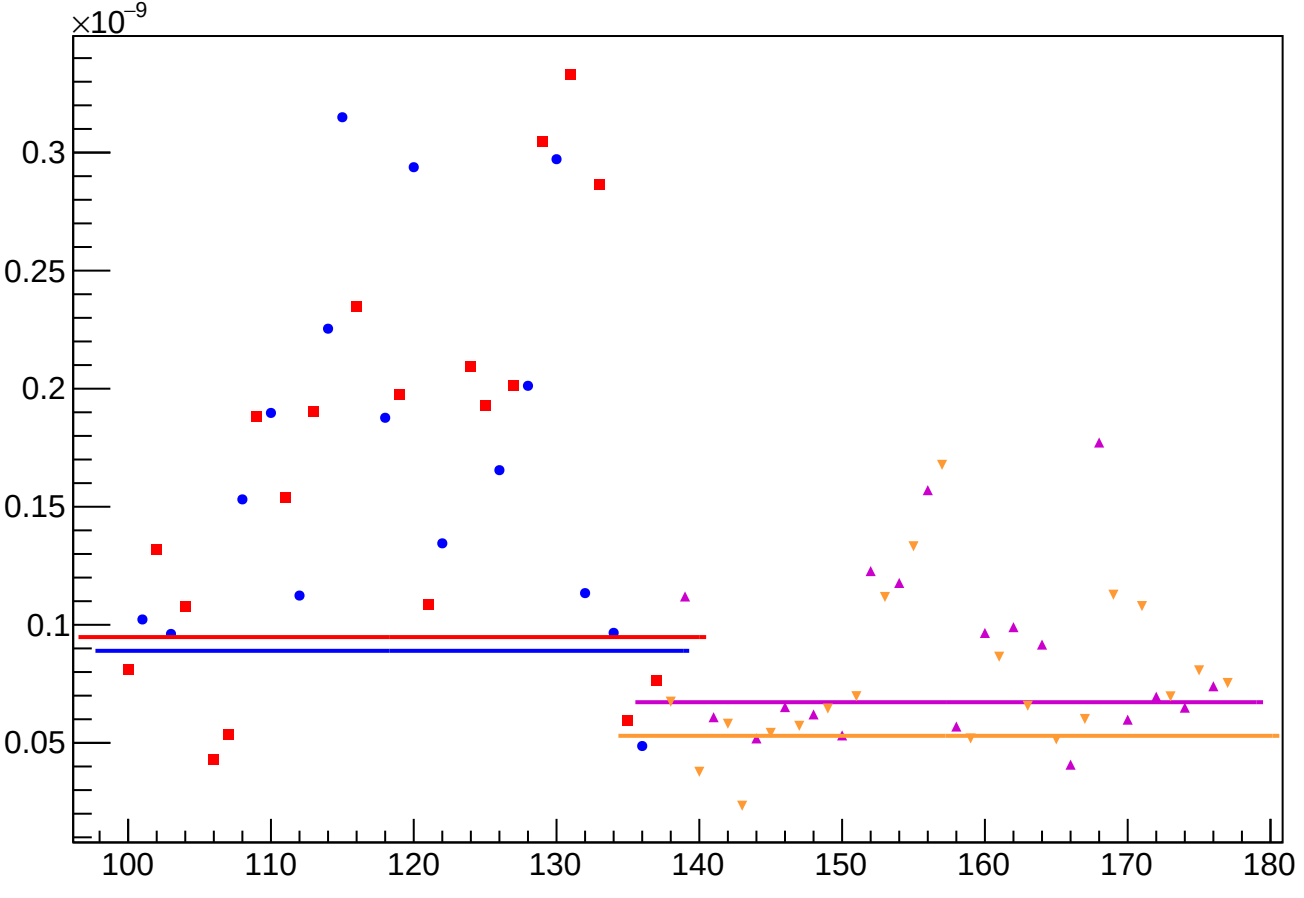
Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

+ sign 4012.874+/-0.596 χ^2/NDF: 2045923.8/36

All: 4002.680+/-0.425 χ^2/NDF: 4079429.5/74

- sign 3992.174+/-0.605 χ^2/NDF: 2032912.2/37


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:18.5/20
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:12.2/18
+ sign -0.000+/-0.000 χ²/NDF: 35.4/36
All: -0.000+/-0.000 χ²/NDF: 63.7/74
- sign -0.000+/-0.000 χ²/NDF: 28.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2547856.2/20

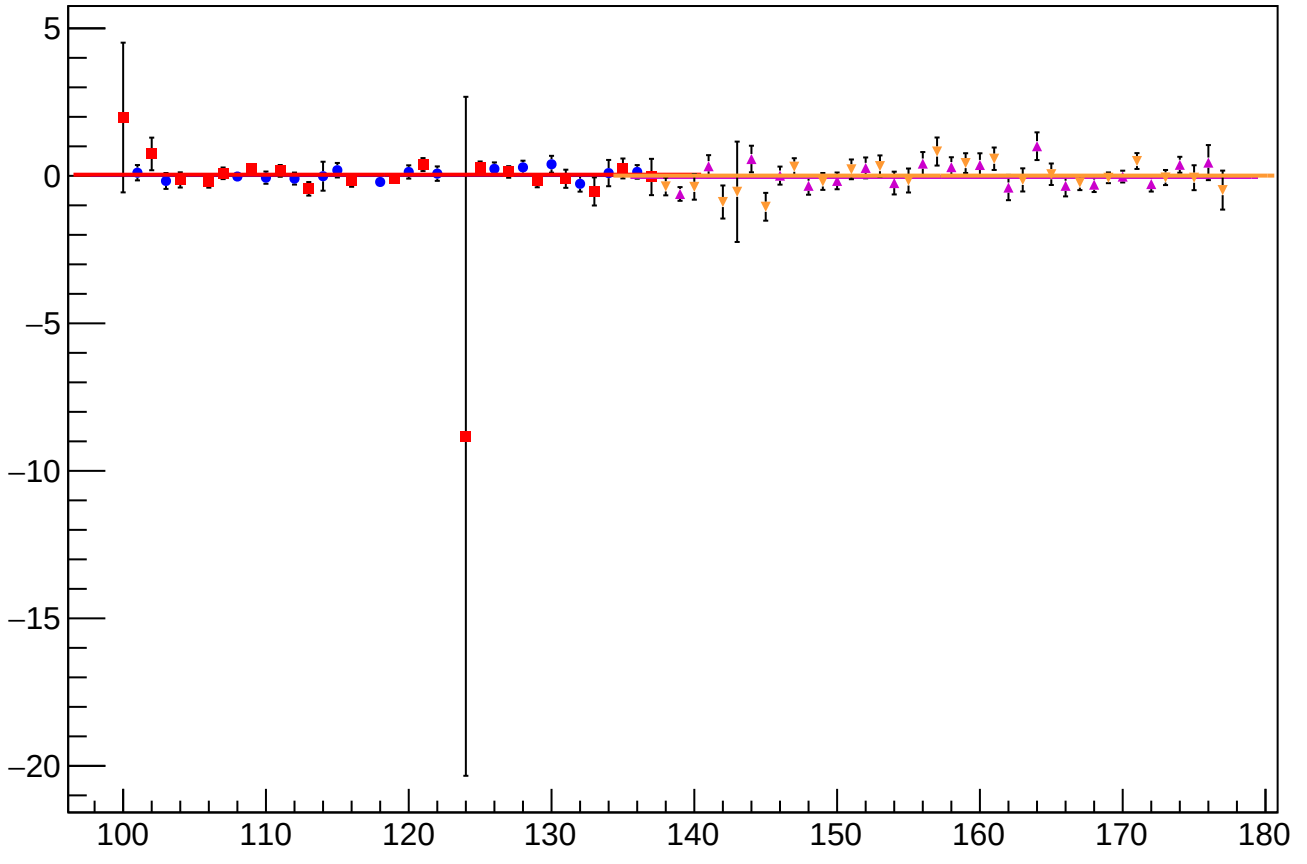
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4652643.2/36

All: 0.000+/-0.000 χ^2/NDF: 8415214.6/74

- sign 0.000+/-0.000 χ^2/NDF: 3423726.1/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

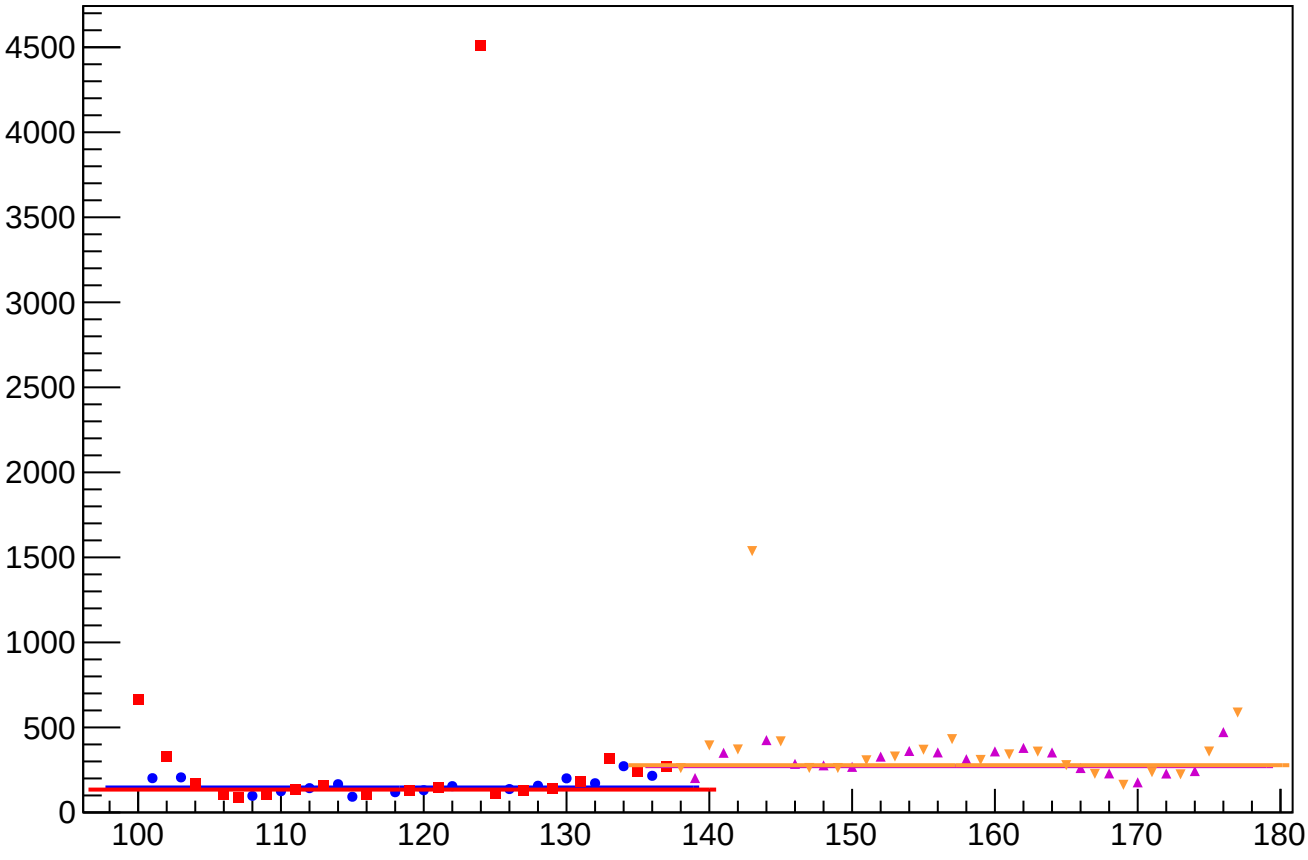
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

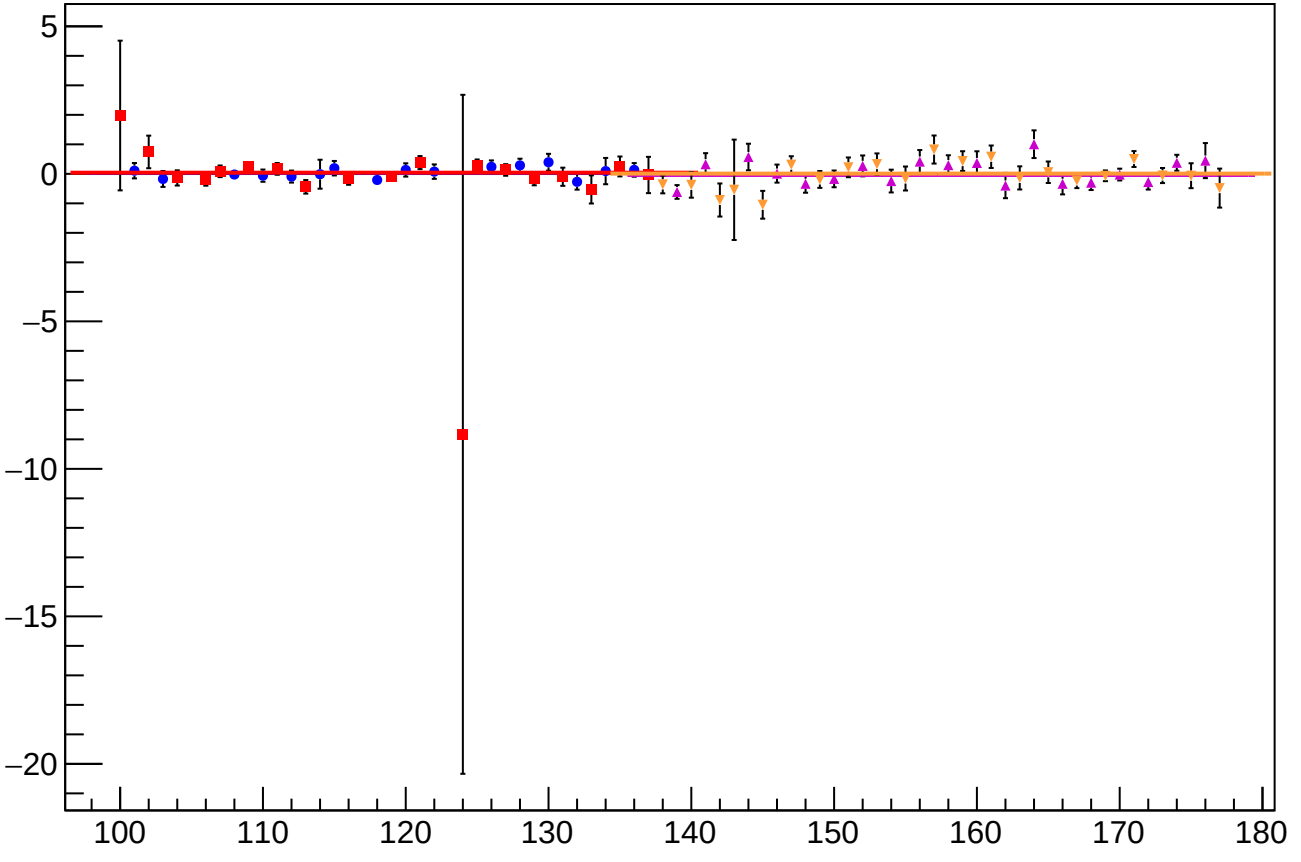
Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

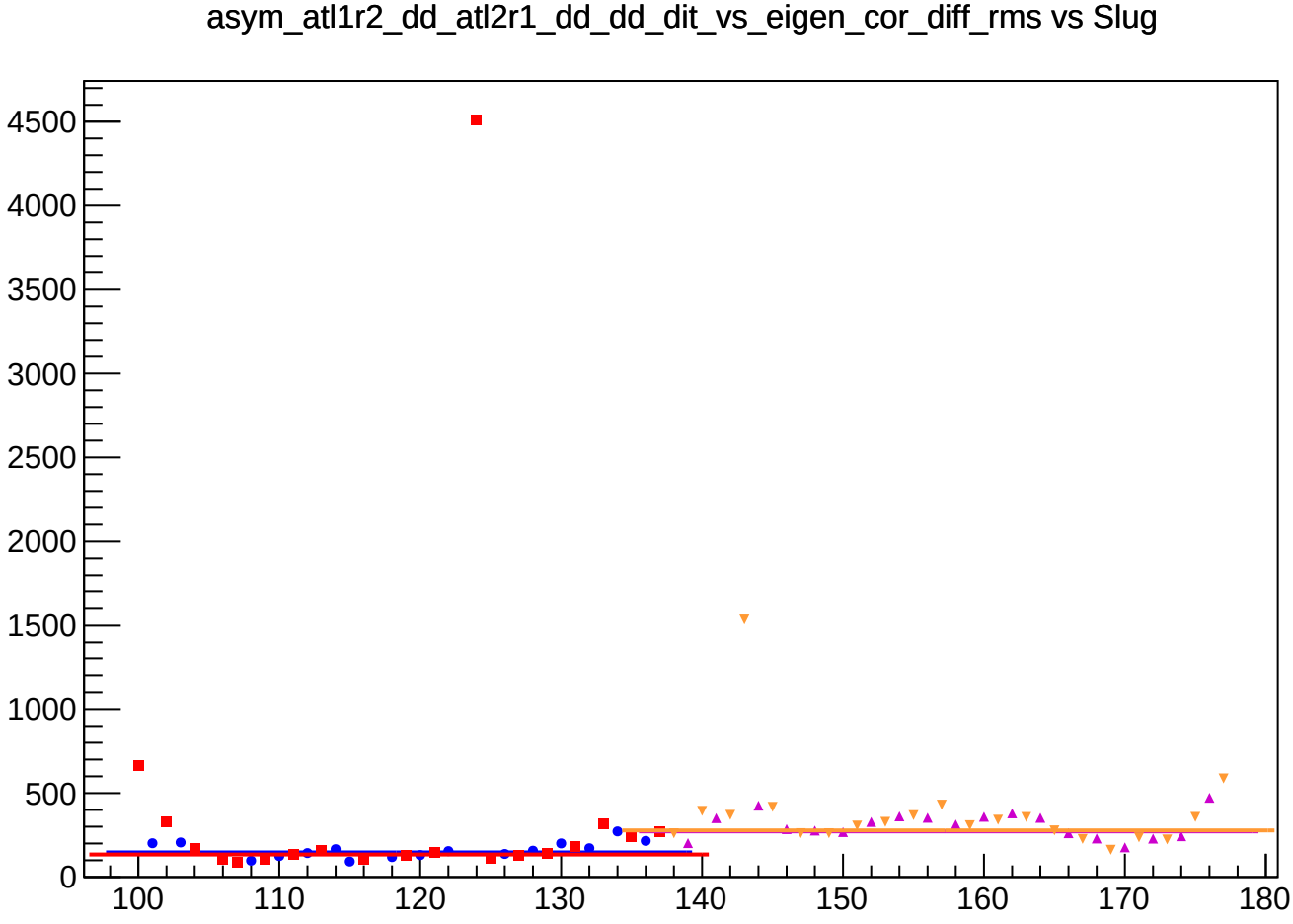
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

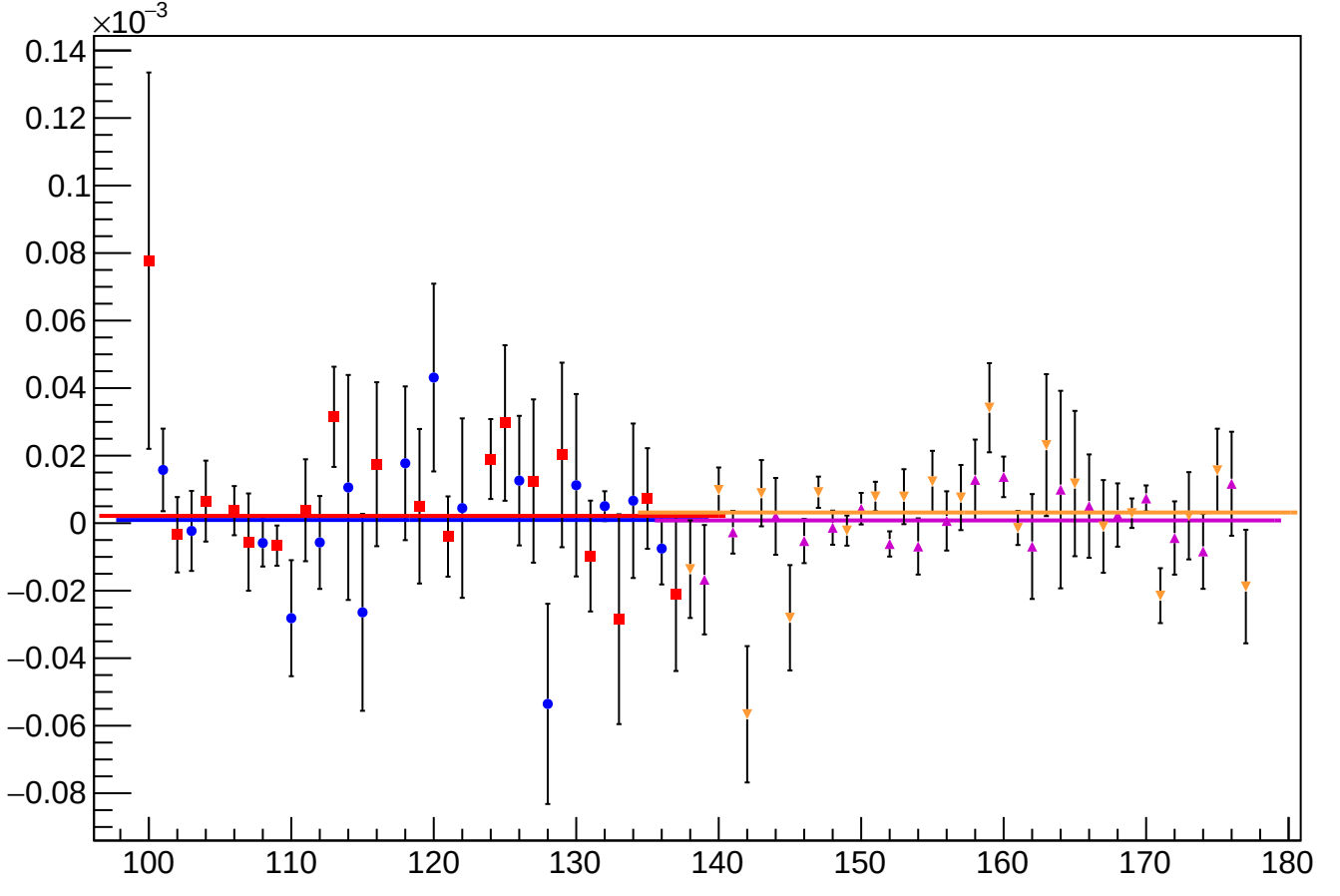
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

+ sign 197.253+/-0.032 χ^2/NDF: 8504310.6/36

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

- sign 184.794+/-0.031 χ^2/NDF: 8100751.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.7/20

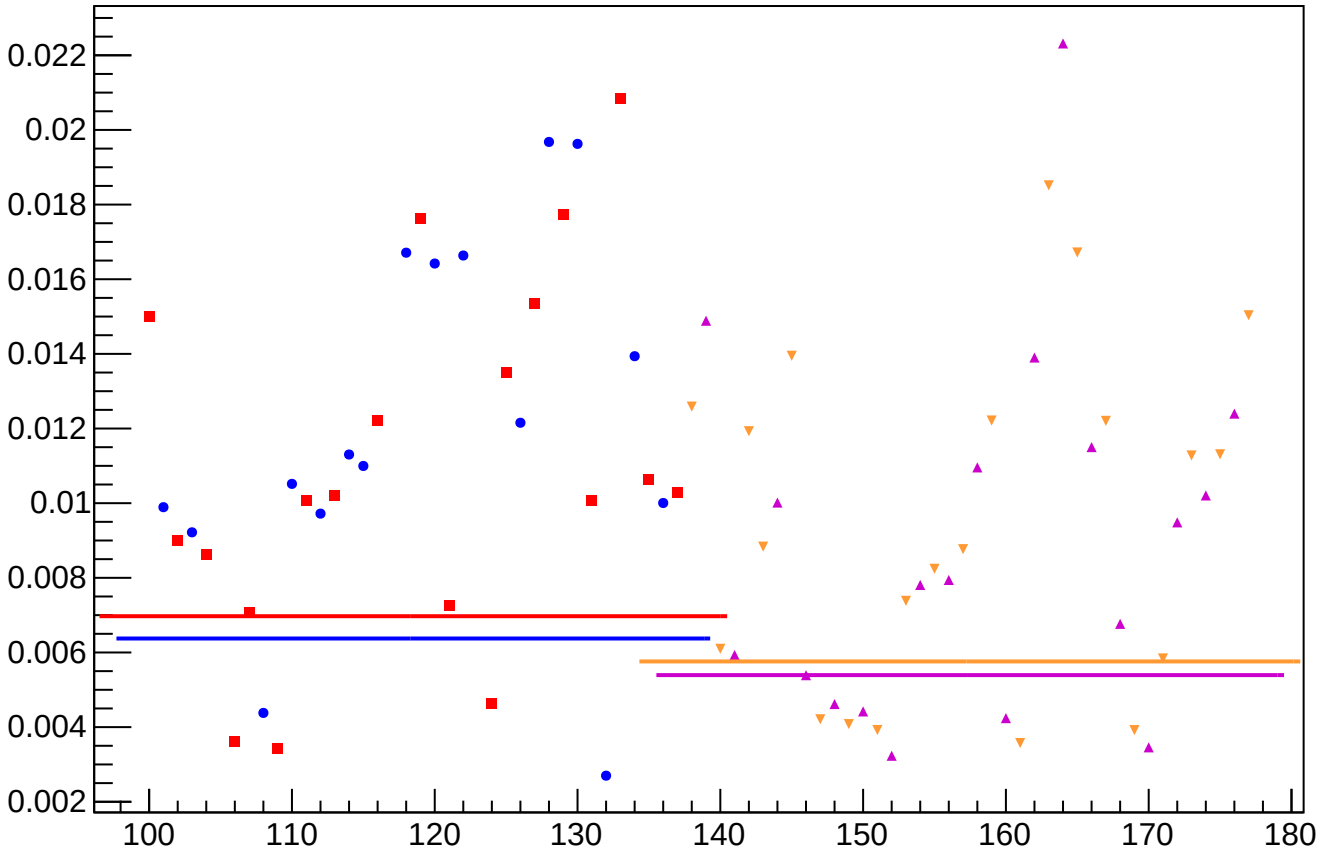
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/36

All: 0.000+/-0.000 χ^2/NDF: 90.6/74

- sign 0.000+/-0.000 χ^2/NDF: 34.0/37



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6952917.2/20

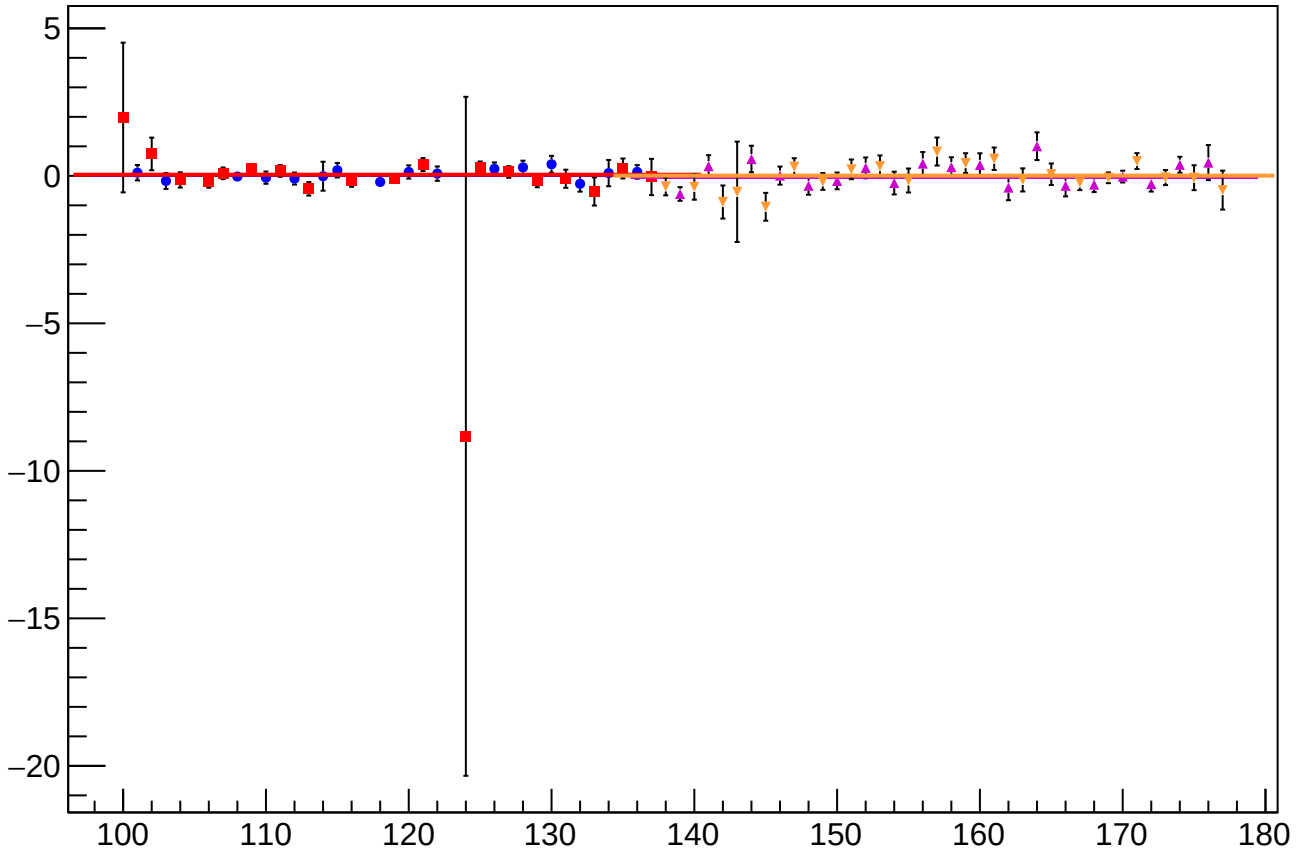
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5892788.8/18

+ sign 0.006+/-0.000 χ^2/NDF: 11659665.8/36

All: 0.006+/-0.000 χ^2/NDF: 21403034.2/74

- sign 0.006+/-0.000 χ^2/NDF: 9729965.7/37



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

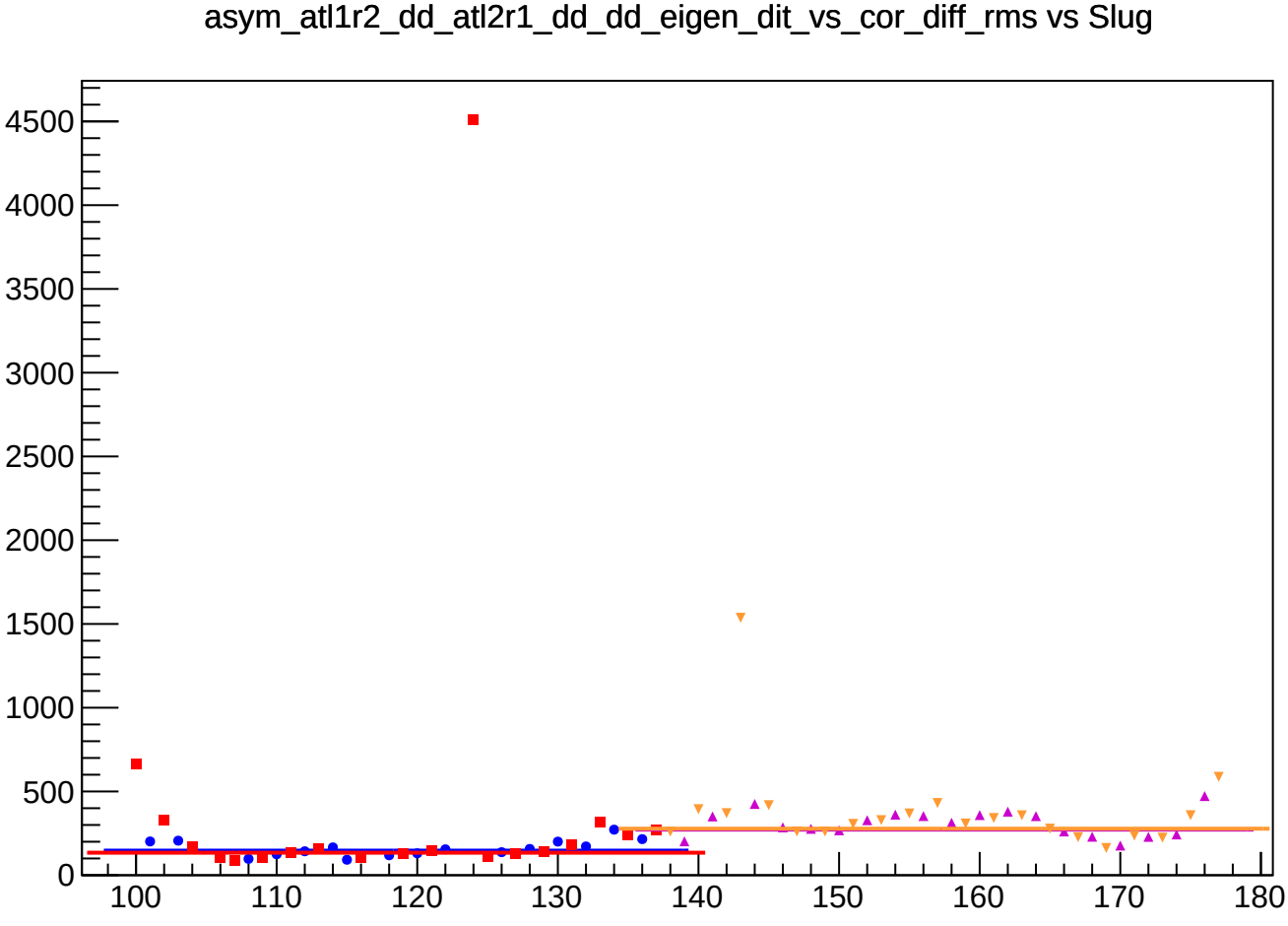
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536897.0/20

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

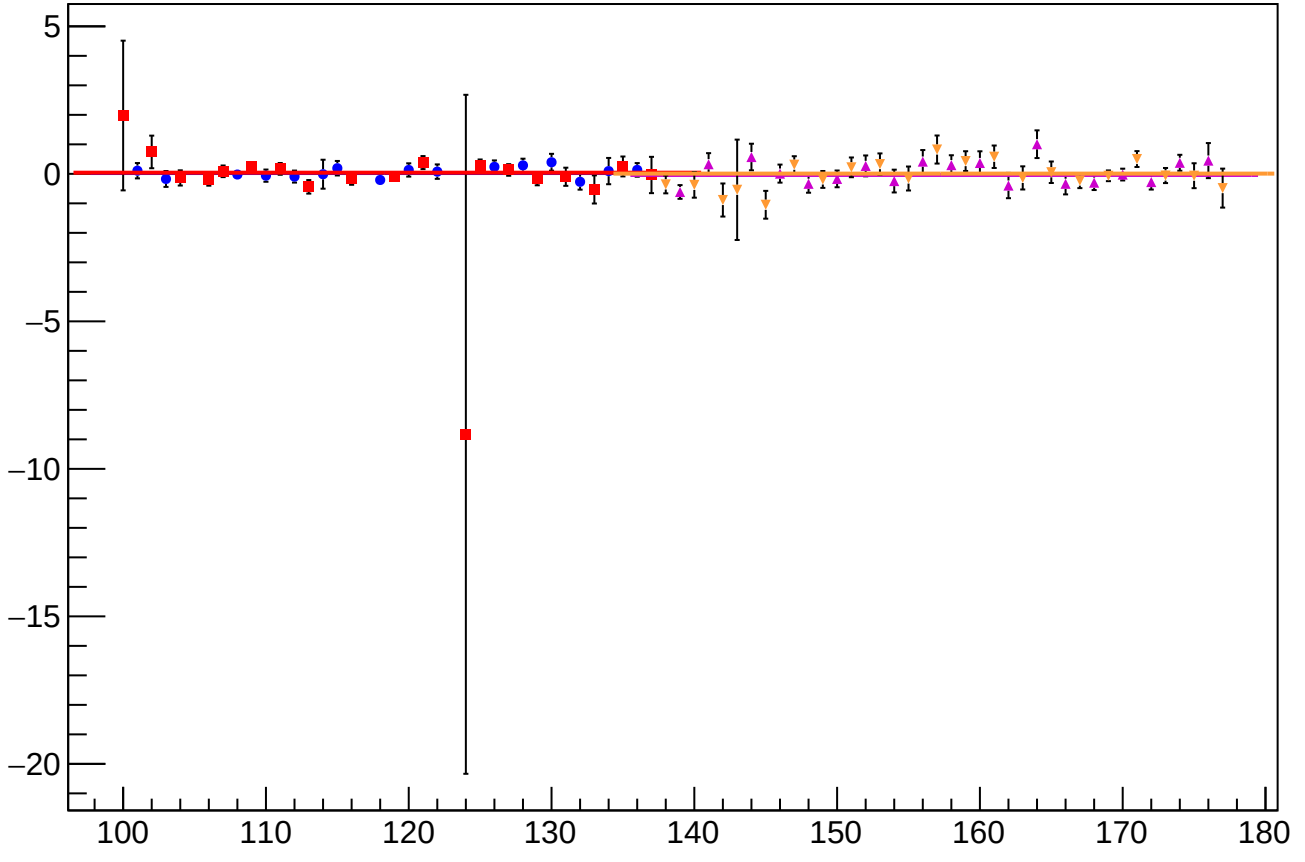
Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

+ sign 197.253+/-0.032 χ^2/NDF: 8504402.2/36

All: 190.799+/-0.022 χ^2/NDF: 16683613.6/74

- sign 184.796+/-0.031 χ^2/NDF: 8100703.5/37

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

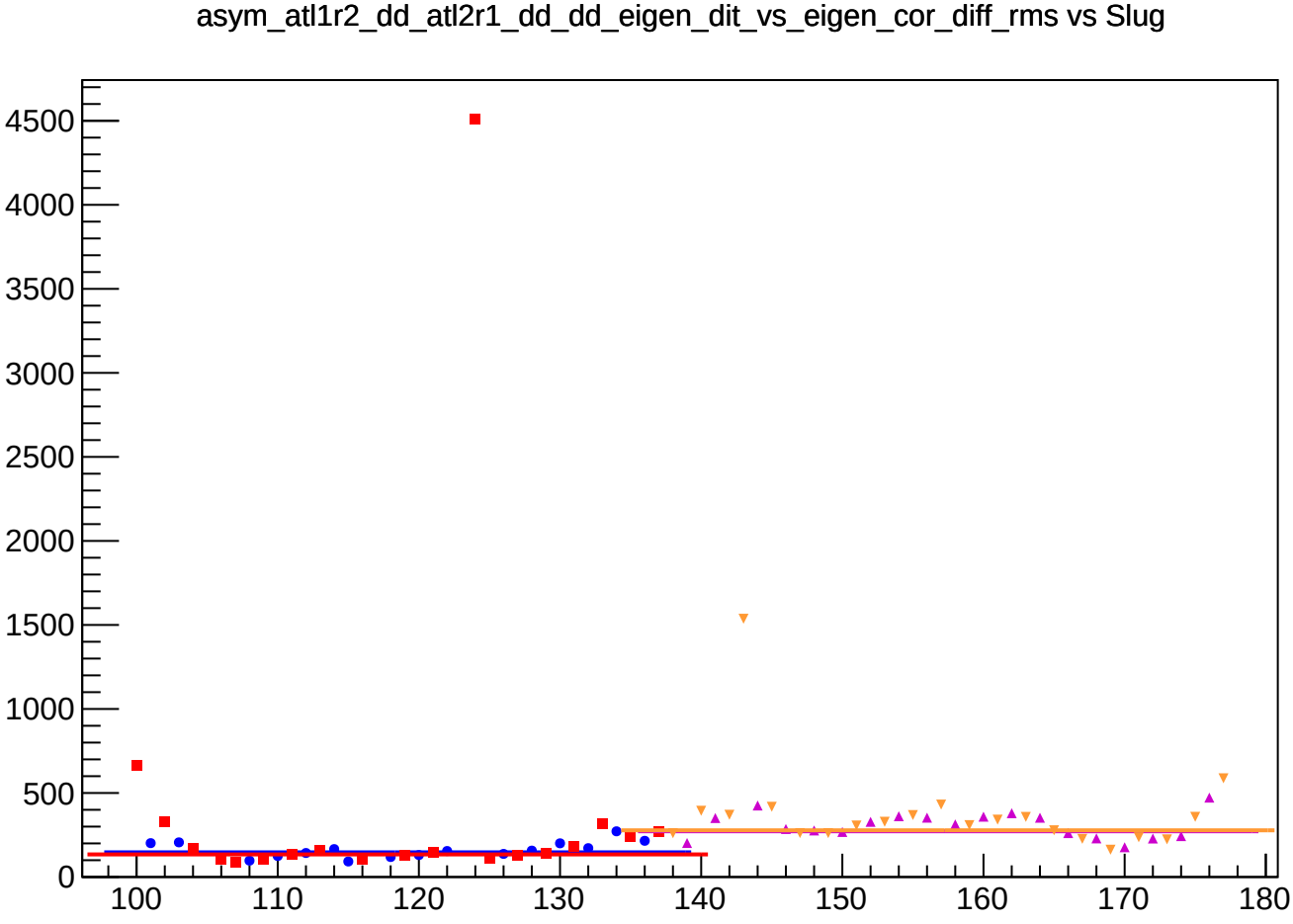
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

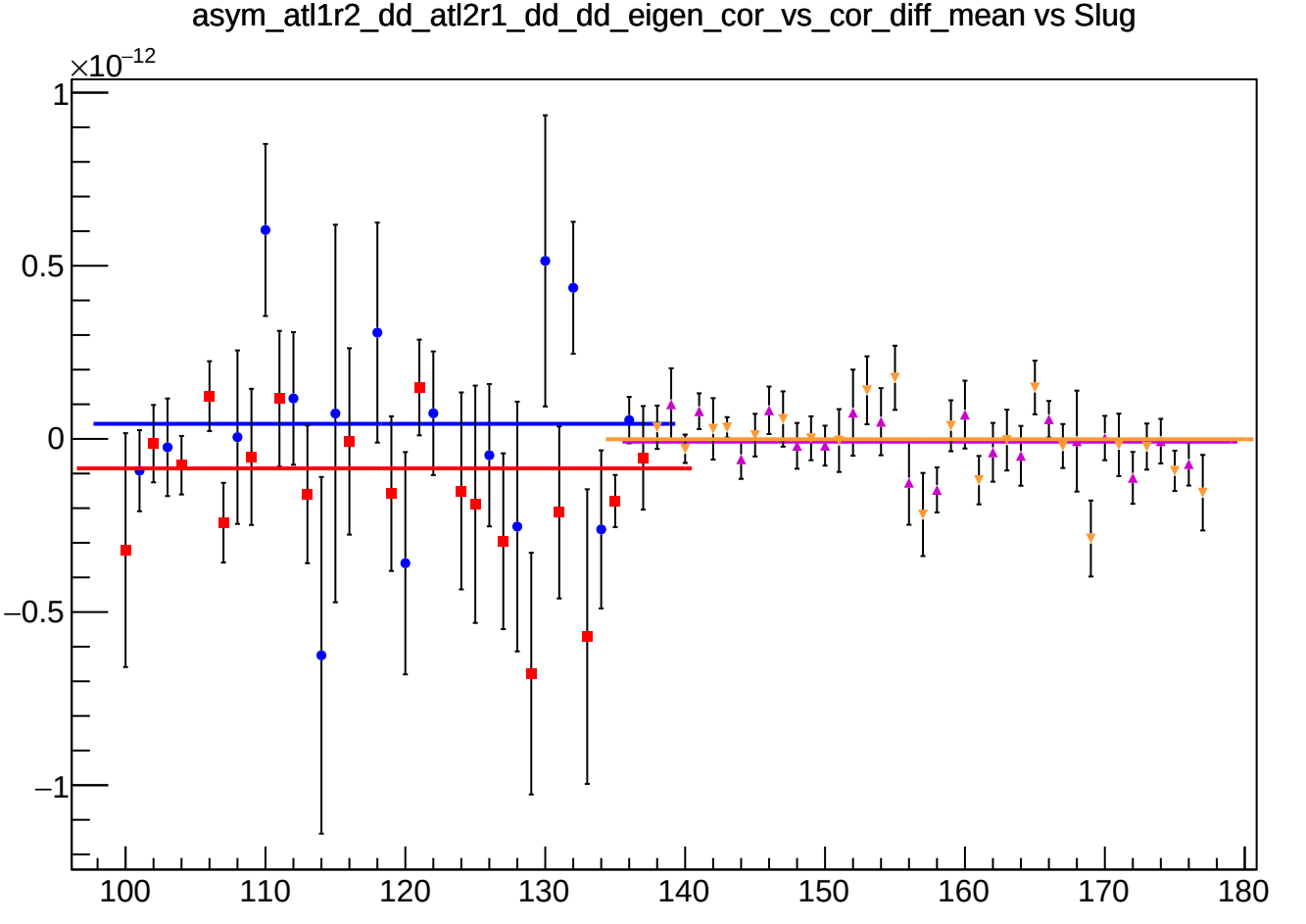
Left In: -0.037+/-0.072 χ^2/NDF:25.8/18

+ sign 0.020+/-0.045 χ^2/NDF: 34.3/36

All: 0.016+/-0.031 χ^2/NDF: 80.9/74

- sign 0.011+/-0.044 χ^2/NDF: 46.5/37


asym_atl1r2_dd_atl2r1_dd_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: 277.862+/-0.052 χ²/NDF:3536897.0/20
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 272.247+/-0.051 χ²/NDF:1877615.8/18
+ sign 197.253+/-0.032 χ²/NDF: 8504402.2/36
All: 190.799+/-0.022 χ²/NDF: 16683613.6/74
- sign 184.796+/-0.031 χ²/NDF: 8100703.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/20

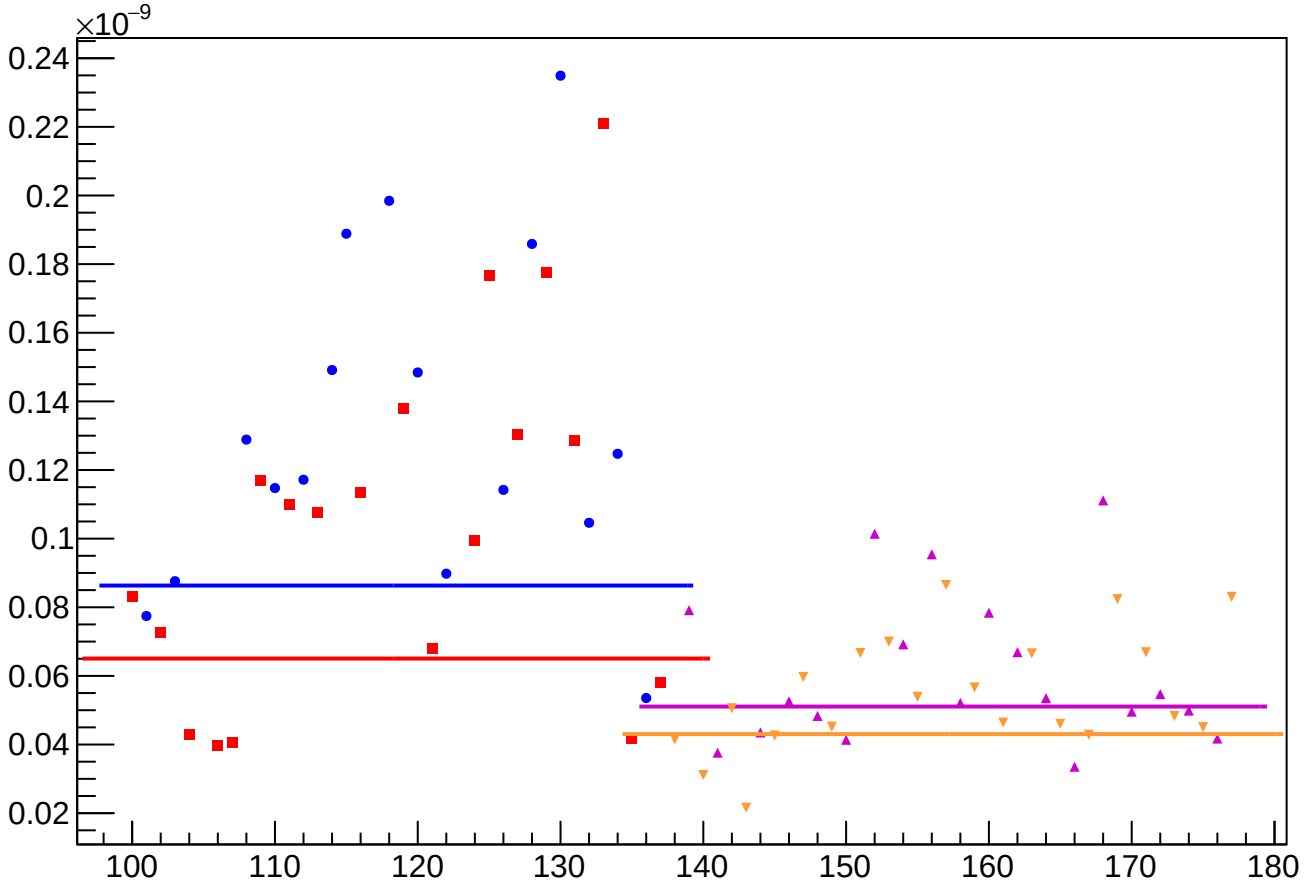
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 50.1/36

All: -0.000+/-0.000 χ^2/NDF: 92.6/74

- sign -0.000+/-0.000 χ^2/NDF: 40.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2798956.4/20

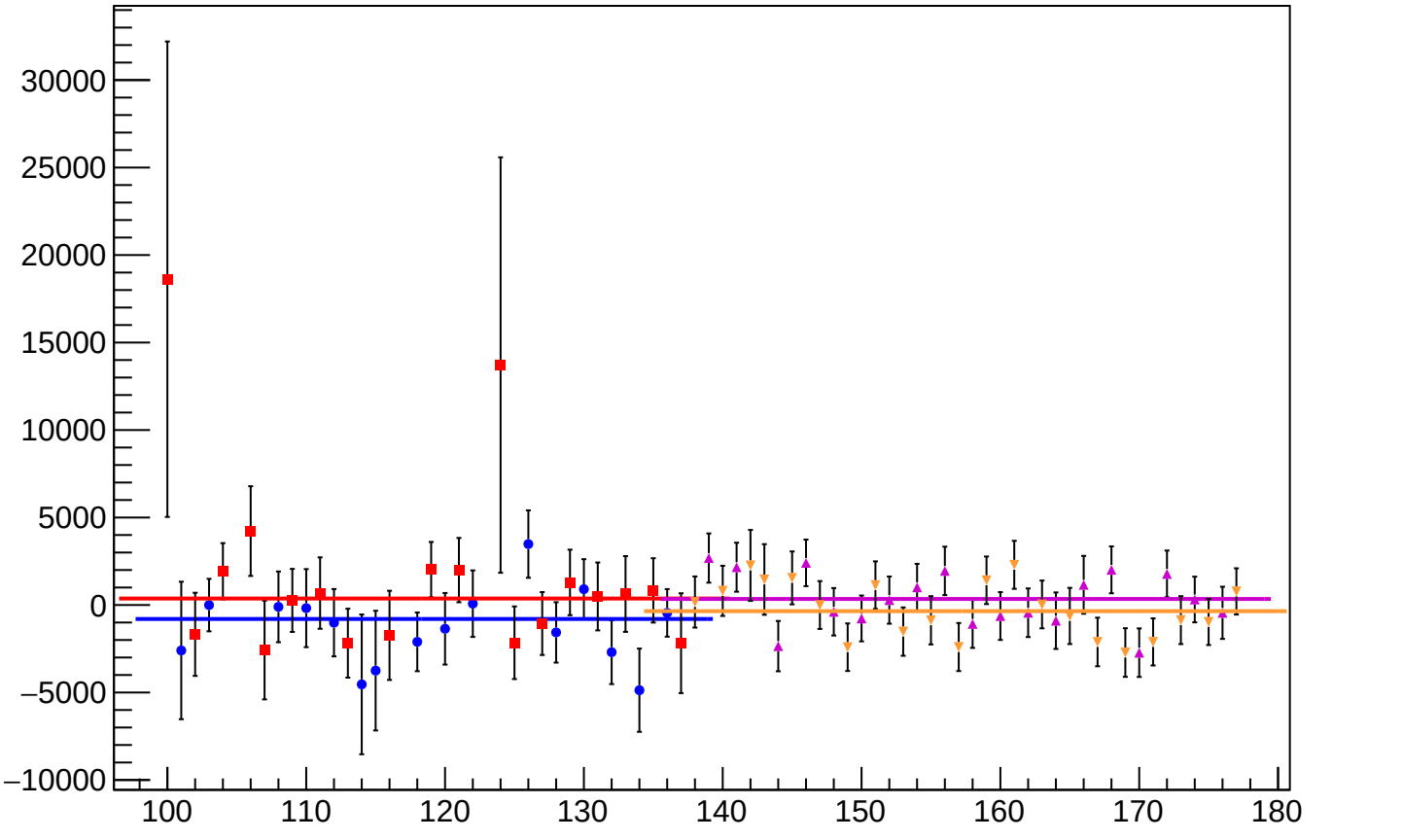
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 6211291.3/36

All: 0.000+/-0.000 χ^2/NDF: 10723004.8/74

- sign 0.000+/-0.000 χ^2/NDF: 4312802.5/37



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -351.151+/-310.829 χ^2/NDF:24.3/20

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

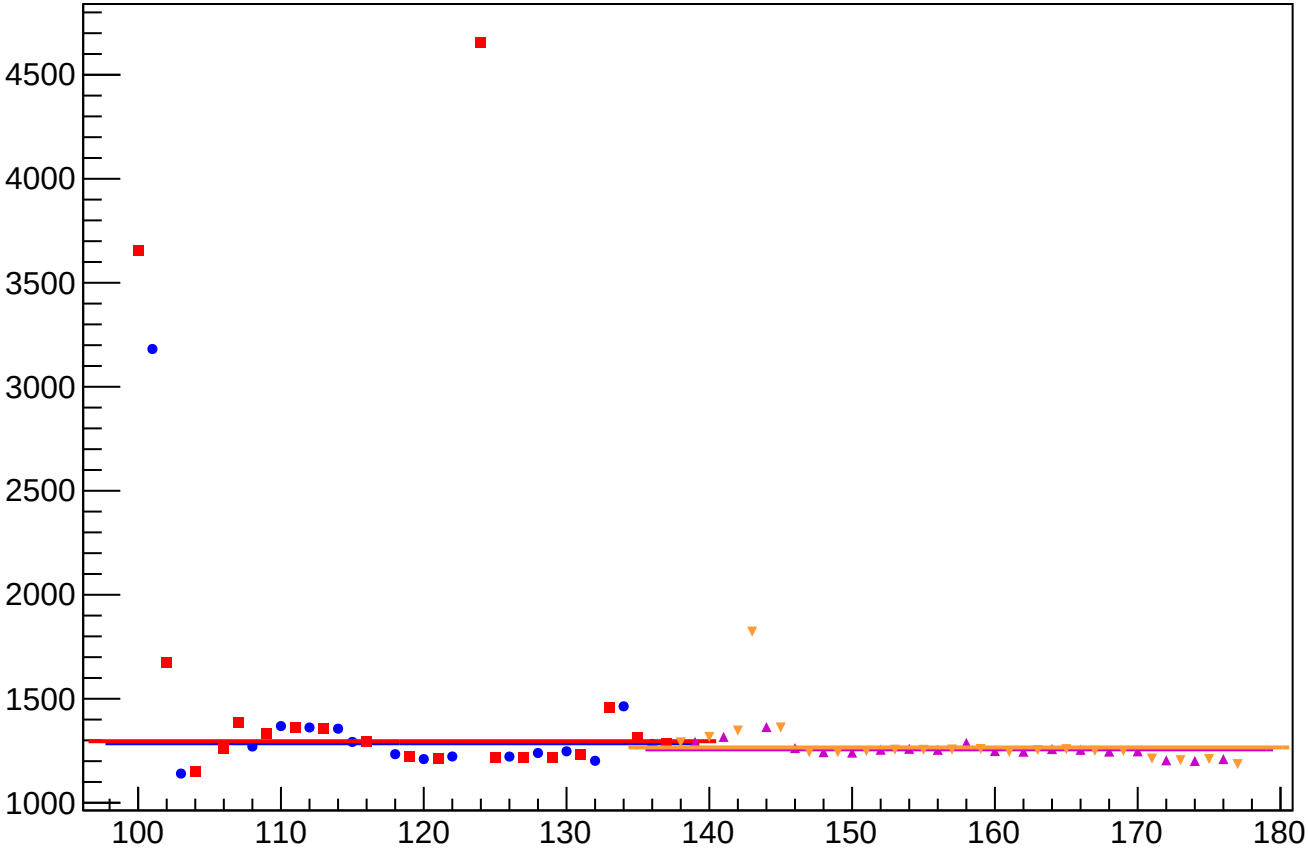
Left In: 344.707+/-318.942 χ^2/NDF:23.6/18

+ sign -480.115+/-262.081 χ^2/NDF: 38.3/36

All: -71.042+/-186.904 χ^2/NDF: 82.5/74

- sign 352.328+/-266.621 χ^2/NDF: 39.2/37

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

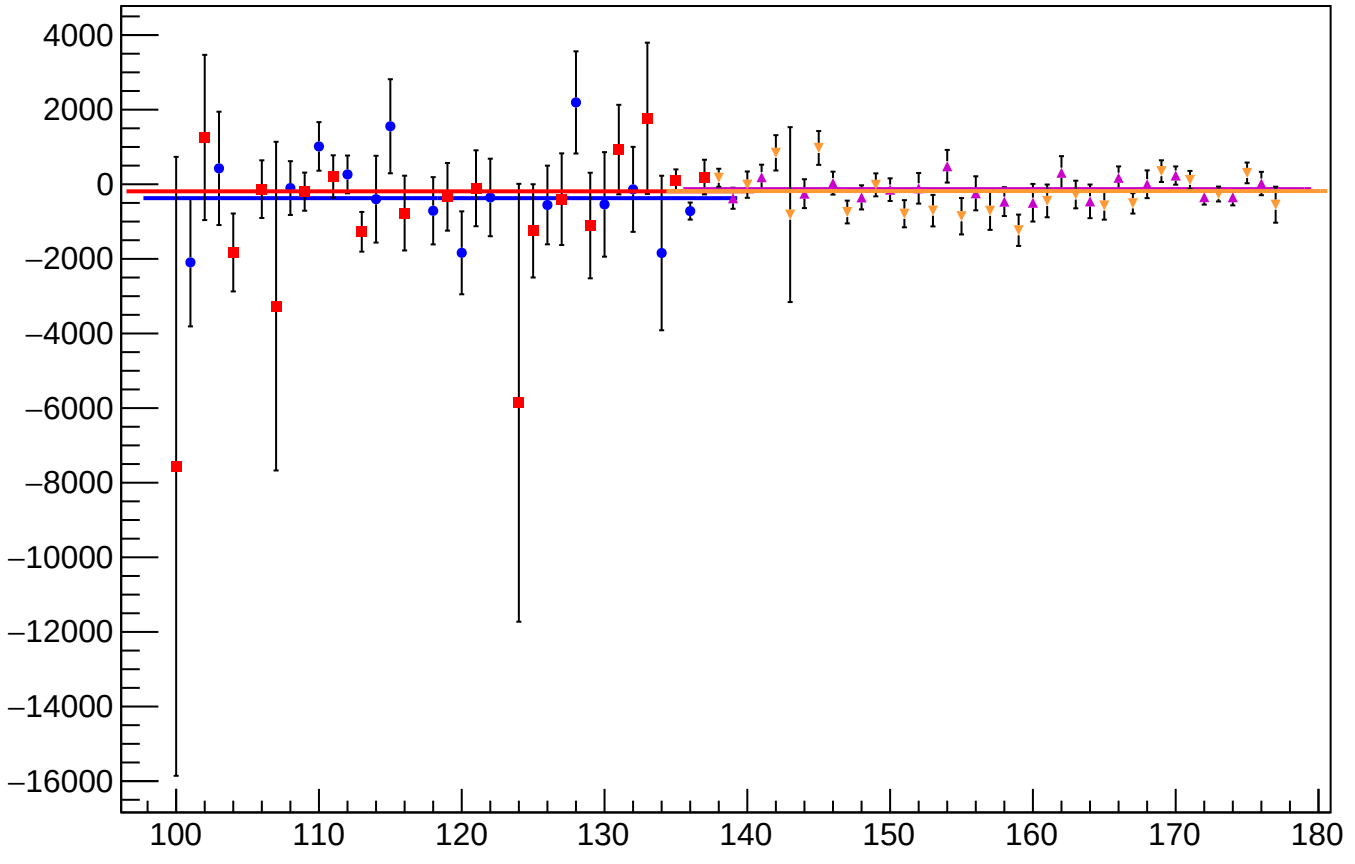
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1271.773+/-0.185 χ^2/NDF: 708381.0/36

All: 1270.208+/-0.132 χ^2/NDF: 1072554.8/74

- sign 1268.589+/-0.189 χ^2/NDF: 364028.8/37



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -181.967+/-73.159 χ^2/NDF:42.5/20

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

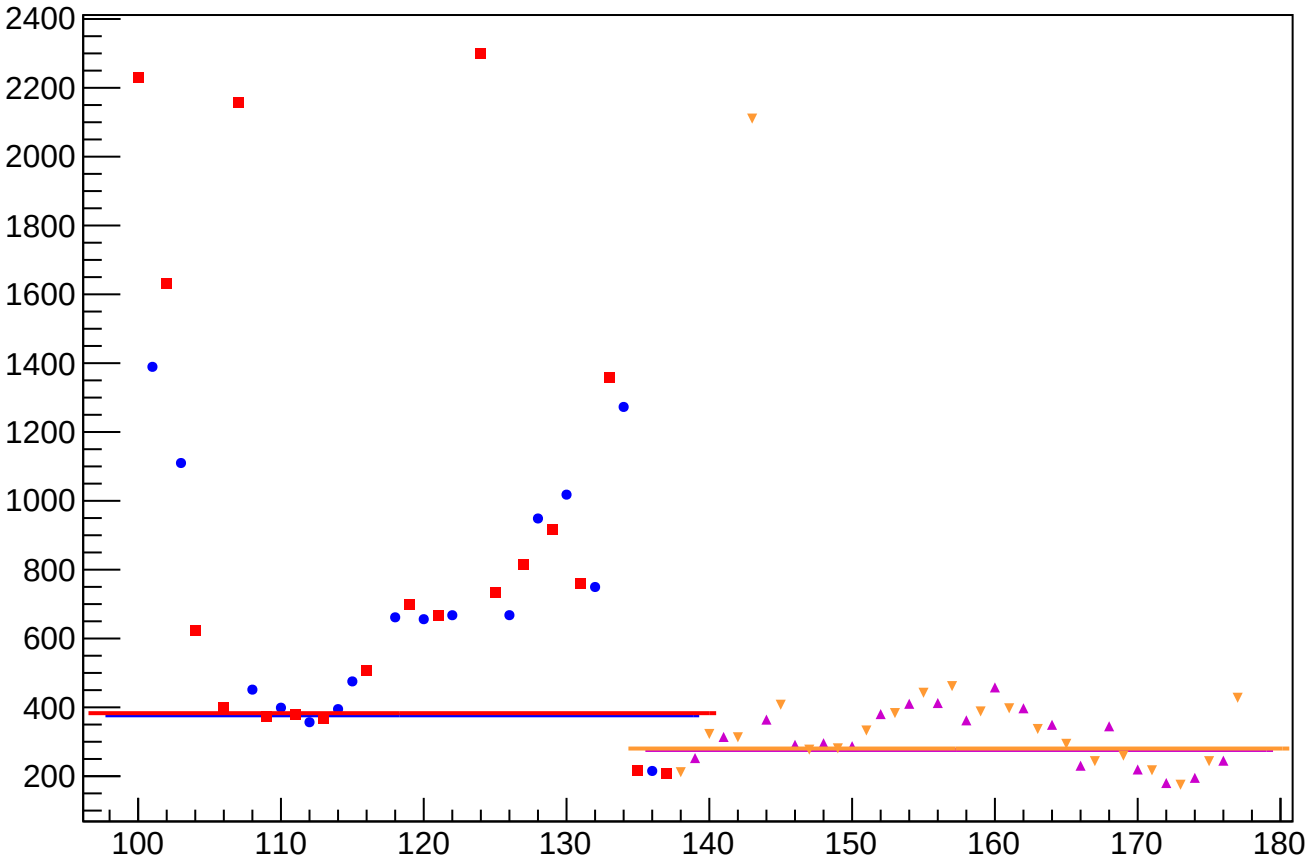
Left In: -129.752+/-73.266 χ^2/NDF:13.0/18

+ sign -212.250+/-67.088 χ^2/NDF: 61.7/36

All: -175.748+/-47.498 χ^2/NDF: 90.1/74

- sign -139.064+/-67.257 χ^2/NDF: 27.7/37

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 280.319+/-0.052 χ^2/NDF:3492094.4/20

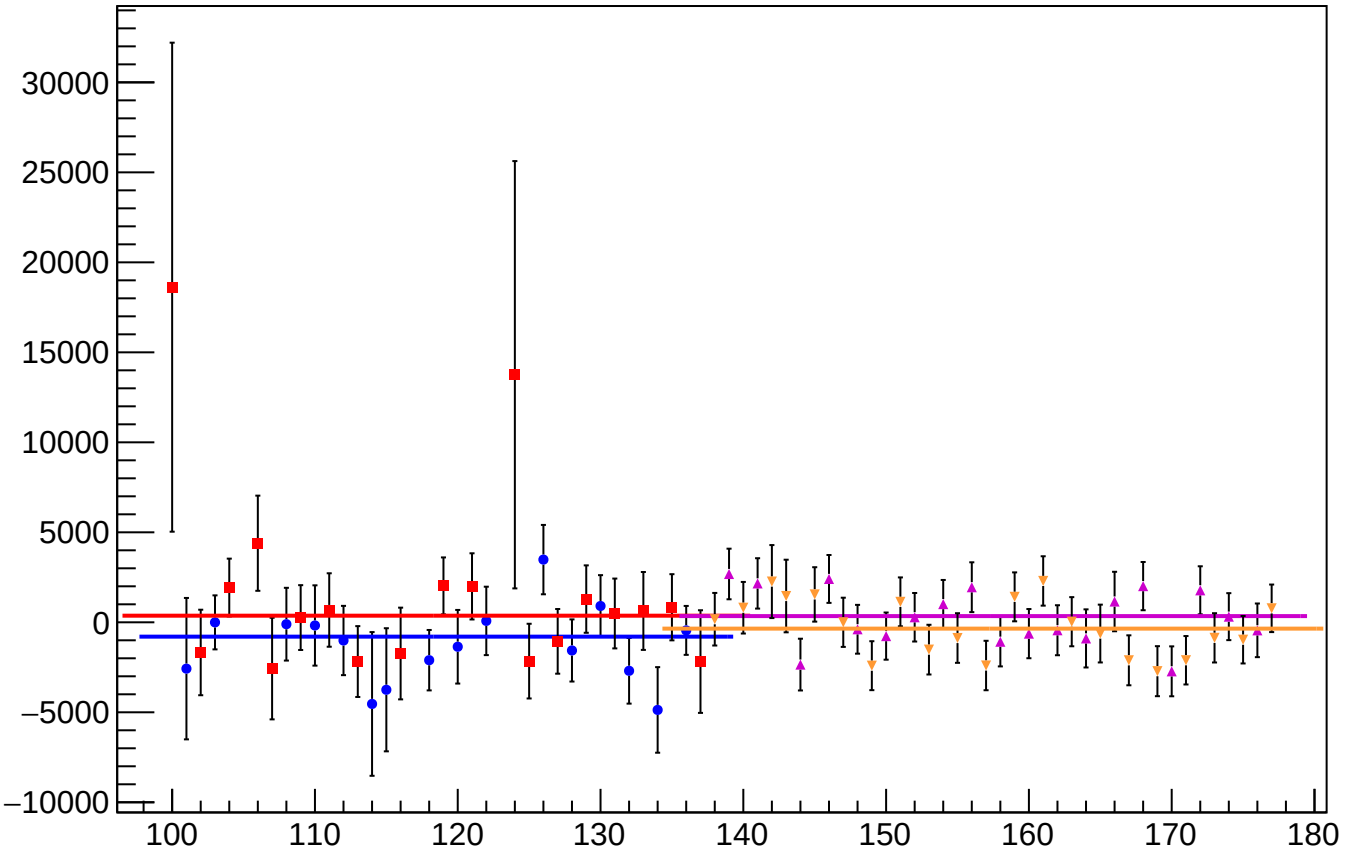
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 276.202+/-0.052 χ^2/NDF:2186294.9/18

+ sign 295.682+/-0.047 χ^2/NDF: 8236701.7/36

All: 294.351+/-0.034 χ^2/NDF: 15148120.4/74

- sign 293.014+/-0.048 χ^2/NDF: 6909840.8/37



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -351.144+/-310.829 χ^2/NDF:24.3/20

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

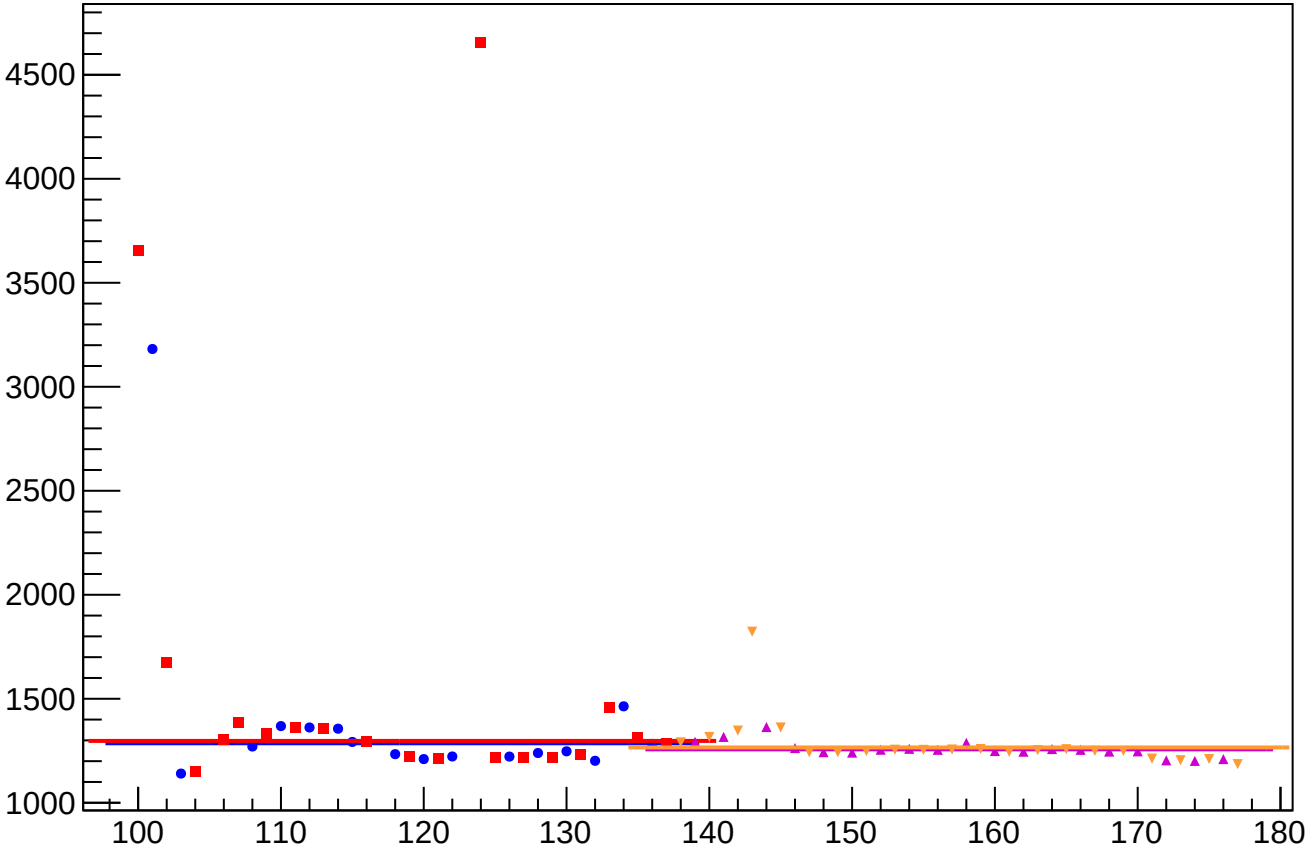
Left In: 344.660+/-318.942 χ^2/NDF:23.6/18

+ sign -479.994+/-262.081 χ^2/NDF: 38.3/36

All: -71.511+/-186.933 χ^2/NDF: 82.5/74

- sign 351.521+/-266.707 χ^2/NDF: 39.3/37

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

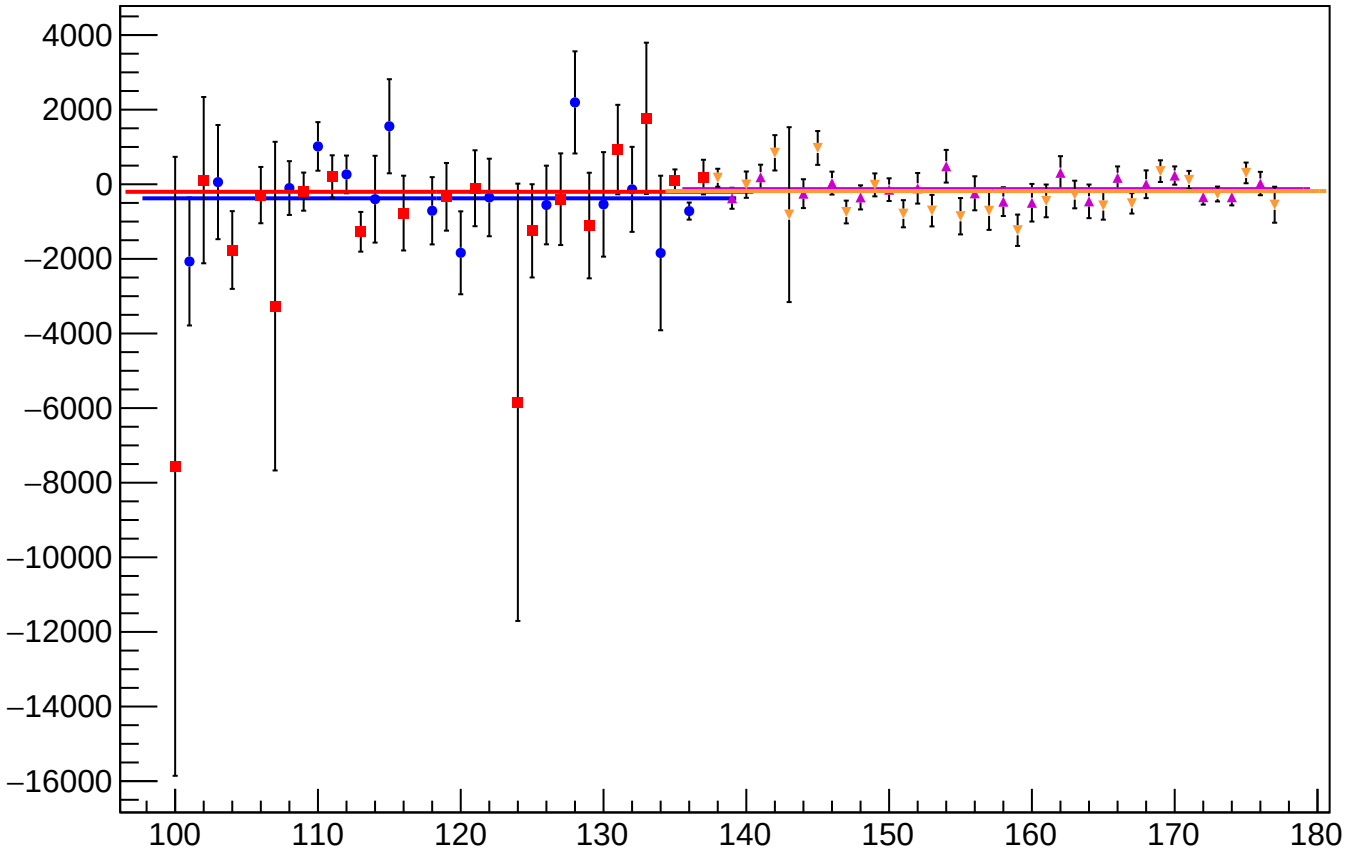
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

\+ sign 1271.773+/-0.185 χ^2/NDF: 708382.4/36

All: 1270.414+/-0.132 χ^2/NDF: 1072862.7/74

\- sign 1269.008+/-0.189 χ^2/NDF: 364371.0/37



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -181.964+/-73.161 χ^2/NDF:42.5/20

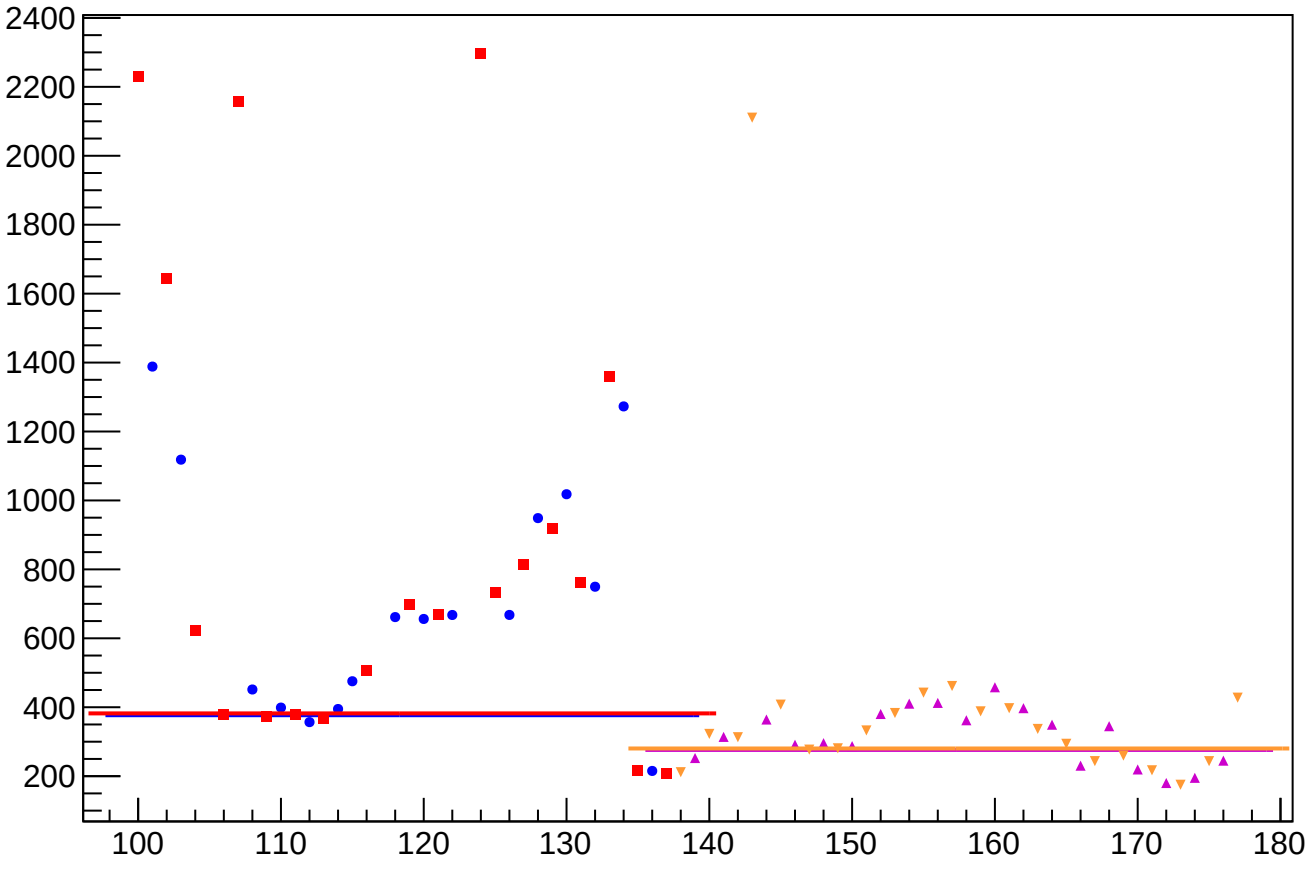
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -129.837+/-73.267 χ^2/NDF:13.0/18

+ sign -212.949+/-67.091 χ^2/NDF: 61.6/36

All: -177.174+/-47.495 χ^2/NDF: 89.3/74

- sign -141.234+/-67.246 χ^2/NDF: 27.2/37



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 280.328+/-0.052 χ^2/NDF:3491796.3/20

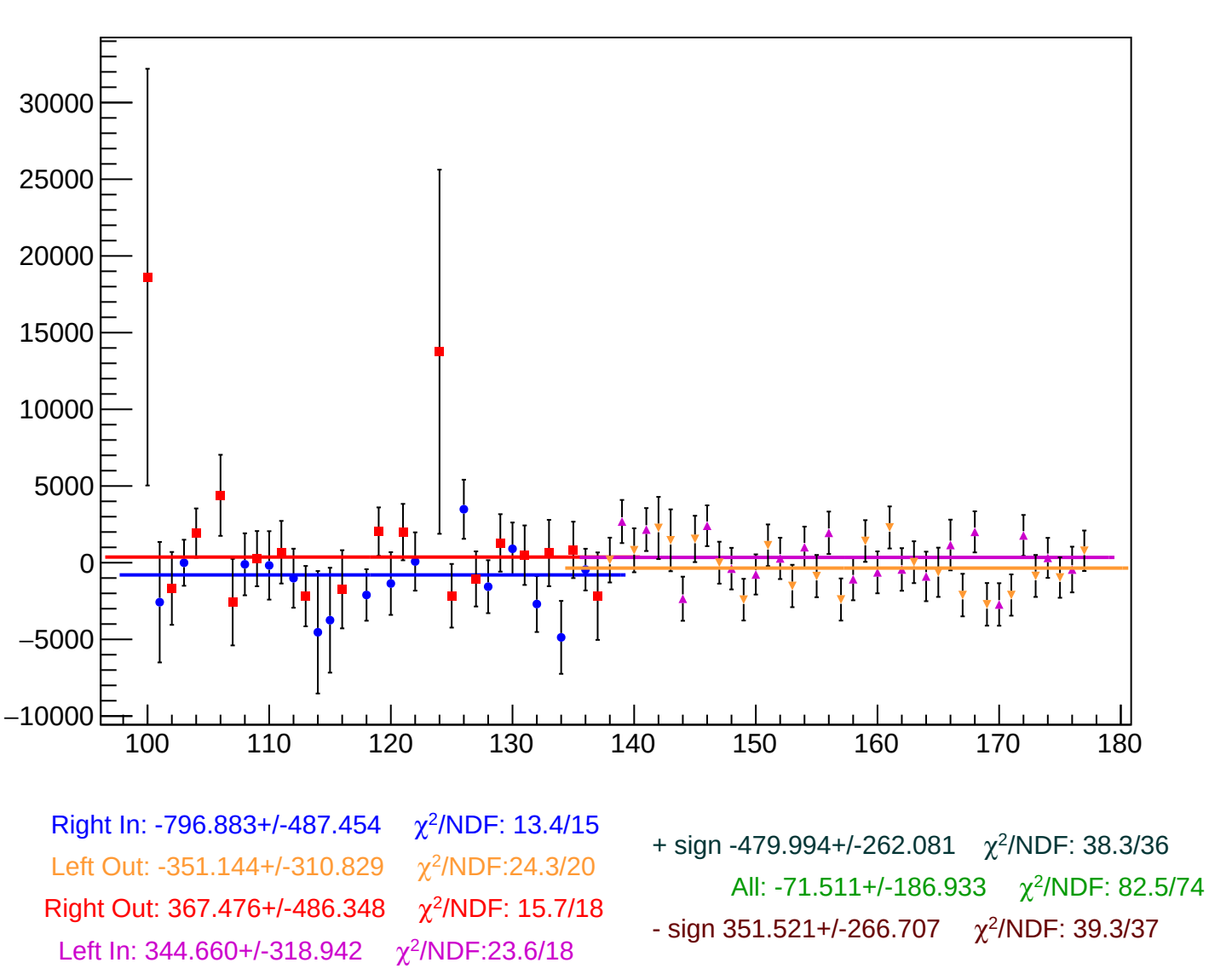
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

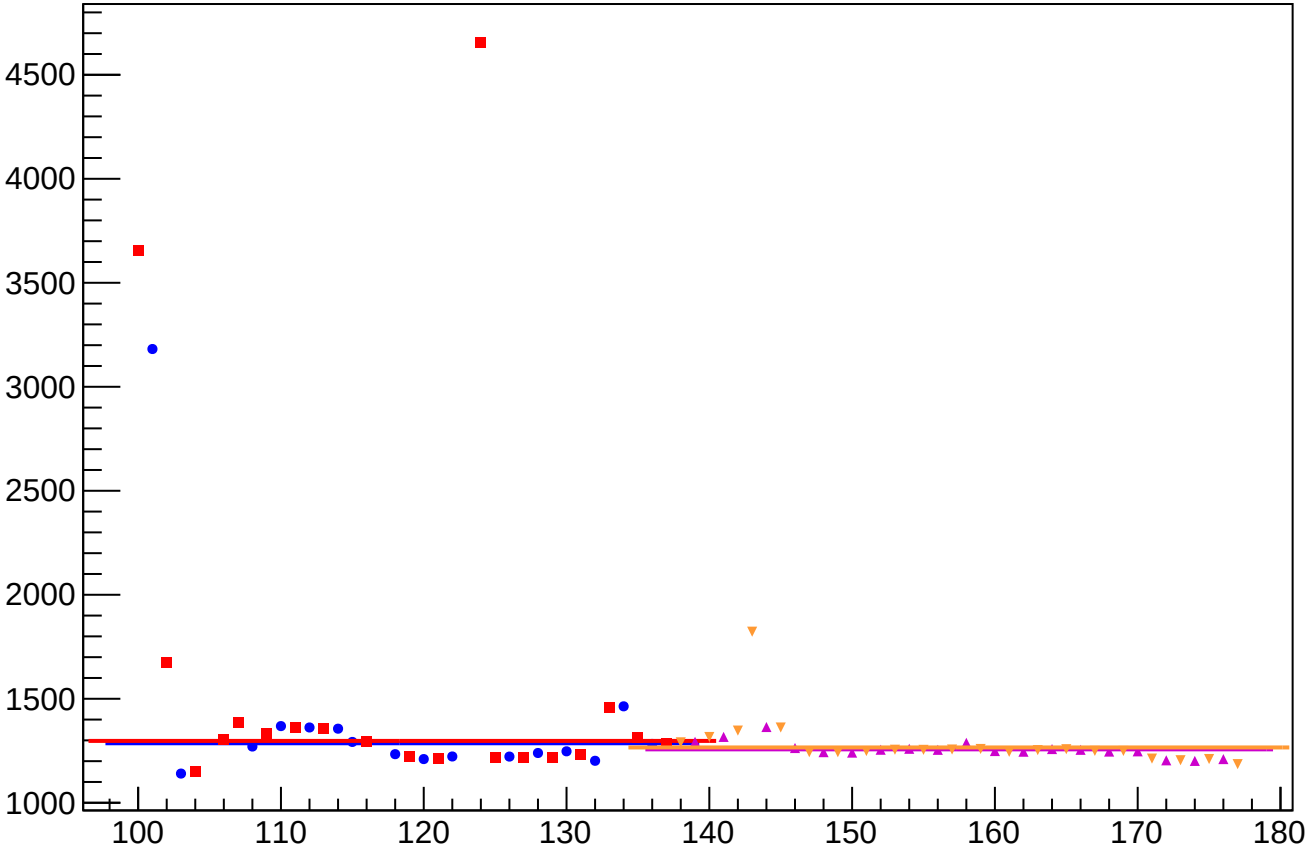
+ sign 295.686+/-0.047 χ^2/NDF: 8239213.7/36

All: 294.299+/-0.034 χ^2/NDF: 15145581.6/74

- sign 292.905+/-0.048 χ^2/NDF: 6904653.3/37


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -351.144+/-310.829 χ²/NDF:24.3/20
Right Out: 367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 344.660+/-318.942 χ²/NDF:23.6/18
+ sign -479.994+/-262.081 χ²/NDF: 38.3/36
All: -71.511+/-186.933 χ²/NDF: 82.5/74
- sign 351.521+/-266.707 χ²/NDF: 39.3/37

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: 1265.948+/-0.220 χ^2/NDF:187824.7/20

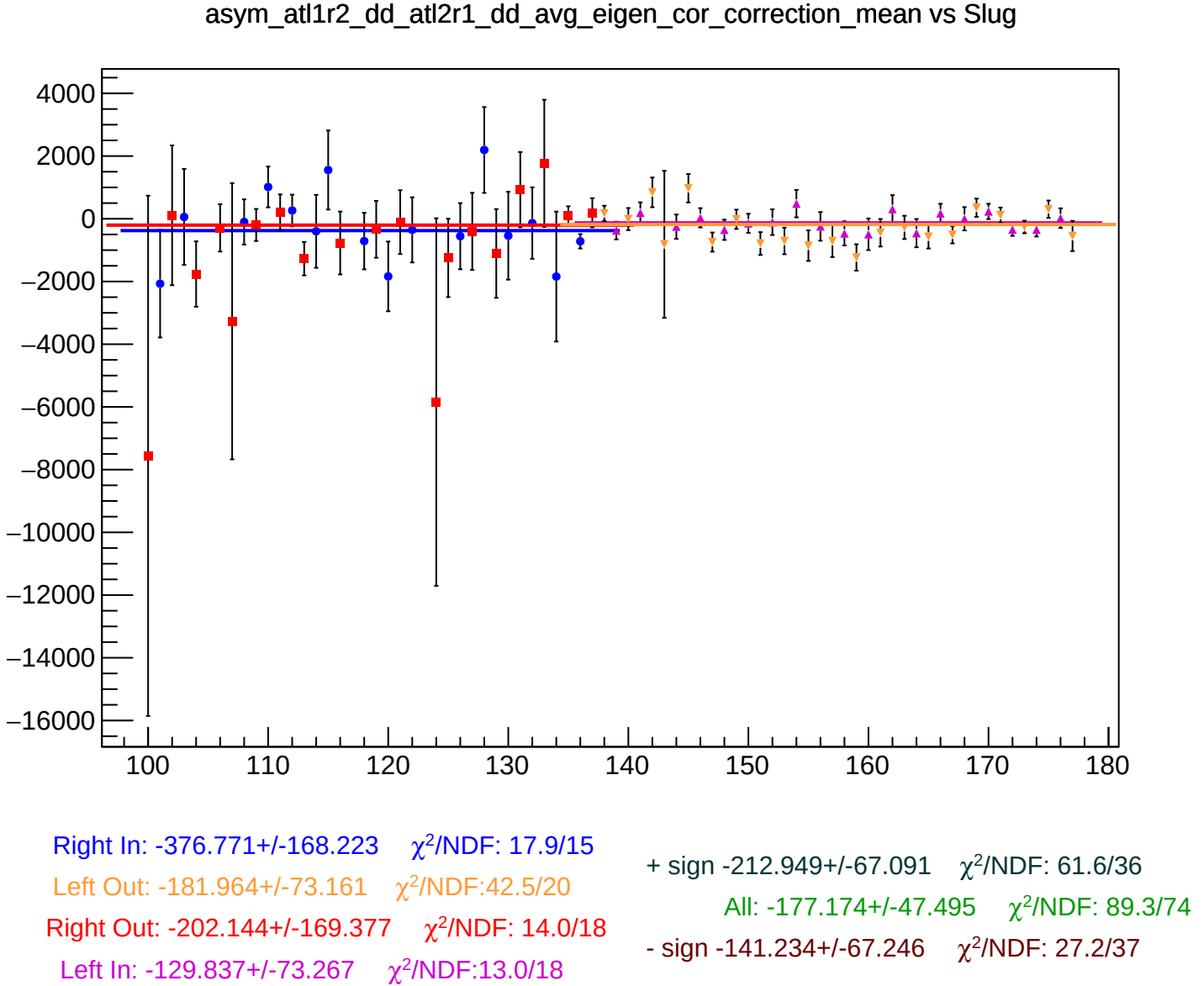
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

+ sign 1271.773+/-0.185 χ^2/NDF: 708382.4/36

All: 1270.414+/-0.132 χ^2/NDF: 1072862.7/74

- sign 1269.008+/-0.189 χ^2/NDF: 364371.0/37



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -181.964+/-73.161 χ^2/NDF:42.5/20

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

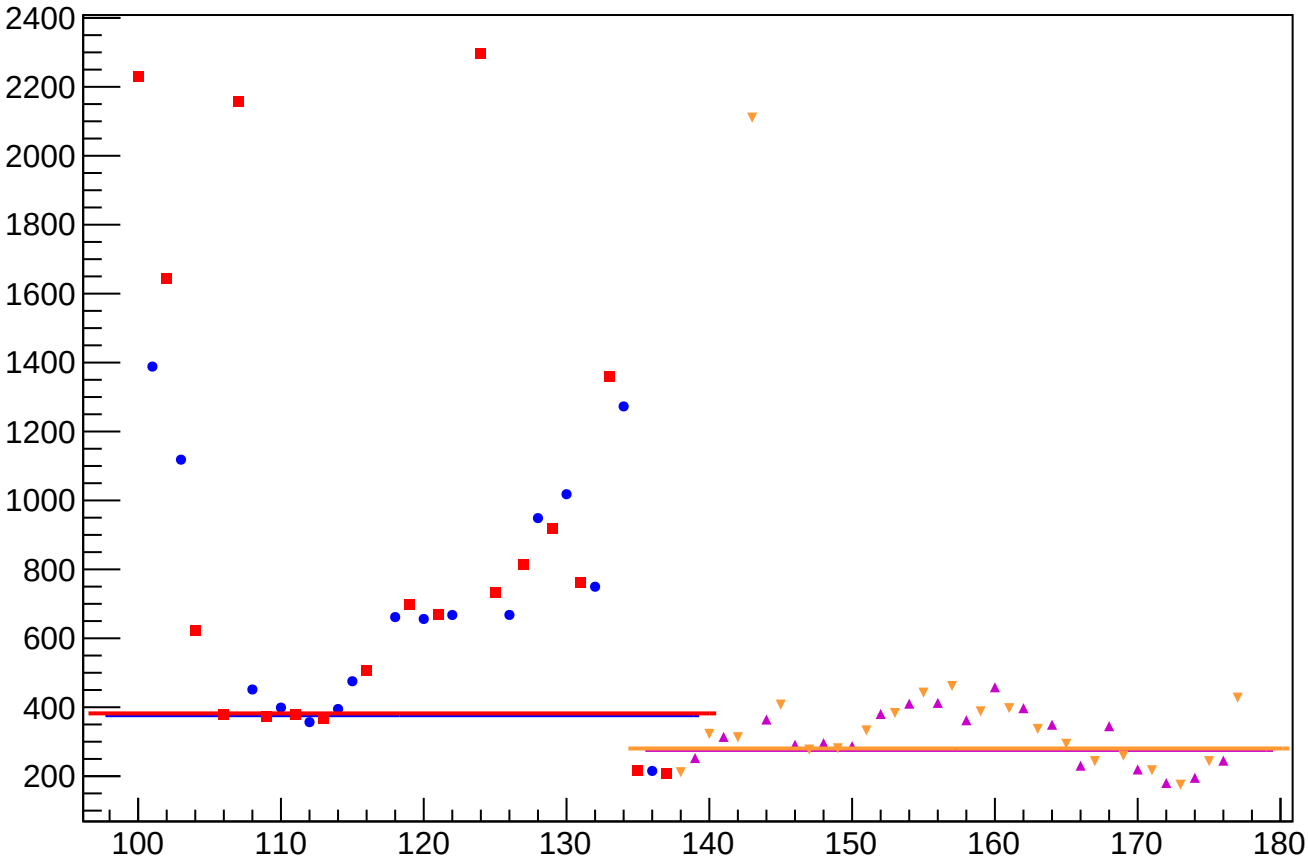
Left In: -129.837+/-73.267 χ^2/NDF:13.0/18

+ sign -212.949+/-67.091 χ^2/NDF: 61.6/36

All: -177.174+/-47.495 χ^2/NDF: 89.3/74

- sign -141.234+/-67.246 χ^2/NDF: 27.2/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 280.328+/-0.052 χ^2/NDF:3491796.3/20

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

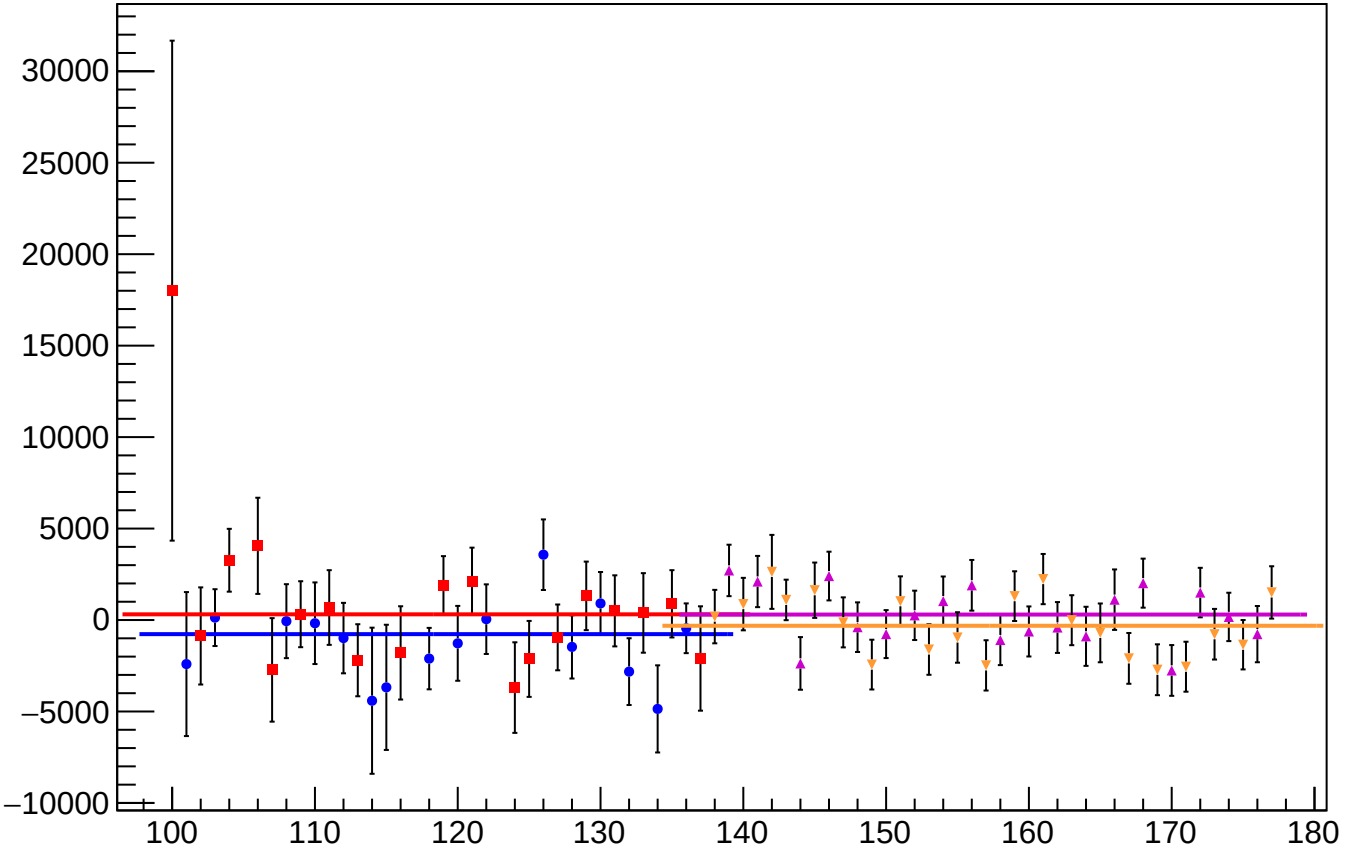
Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

+ sign 295.686+/-0.047 χ^2/NDF: 8239213.7/36

All: 294.299+/-0.034 χ^2/NDF: 15145581.6/74

- sign 292.905+/-0.048 χ^2/NDF: 6904653.3/37

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -313.387+/-304.686 χ^2/NDF:27.8/20

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

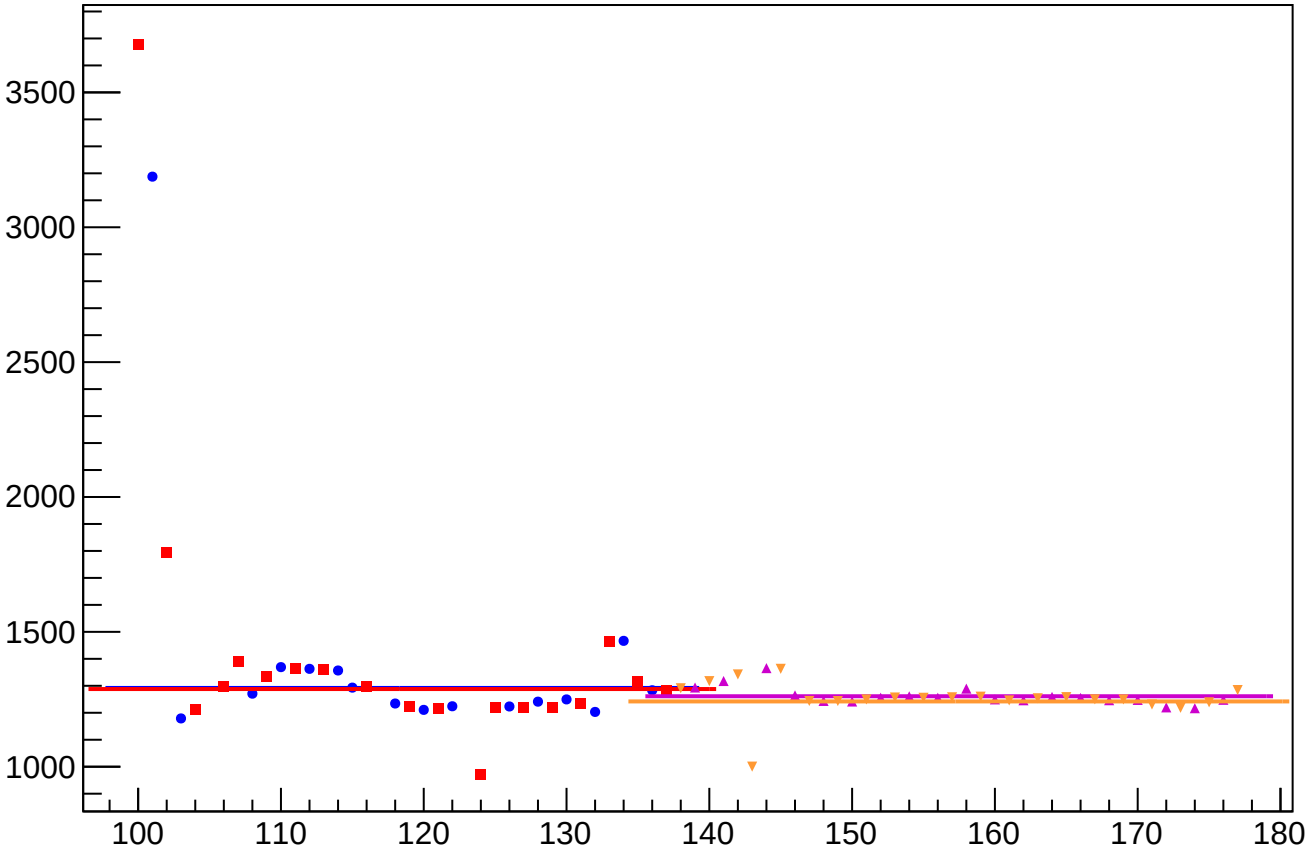
Left In: 299.204+/-320.057 χ^2/NDF:23.4/18

+ sign -441.274+/-258.685 χ^2/NDF: 42.1/36

All: -80.572+/-185.699 χ^2/NDF: 87.4/74

- sign 302.935+/-266.737 χ^2/NDF: 41.3/37

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1242.063+/-0.215 χ^2/NDF:124763.8/20

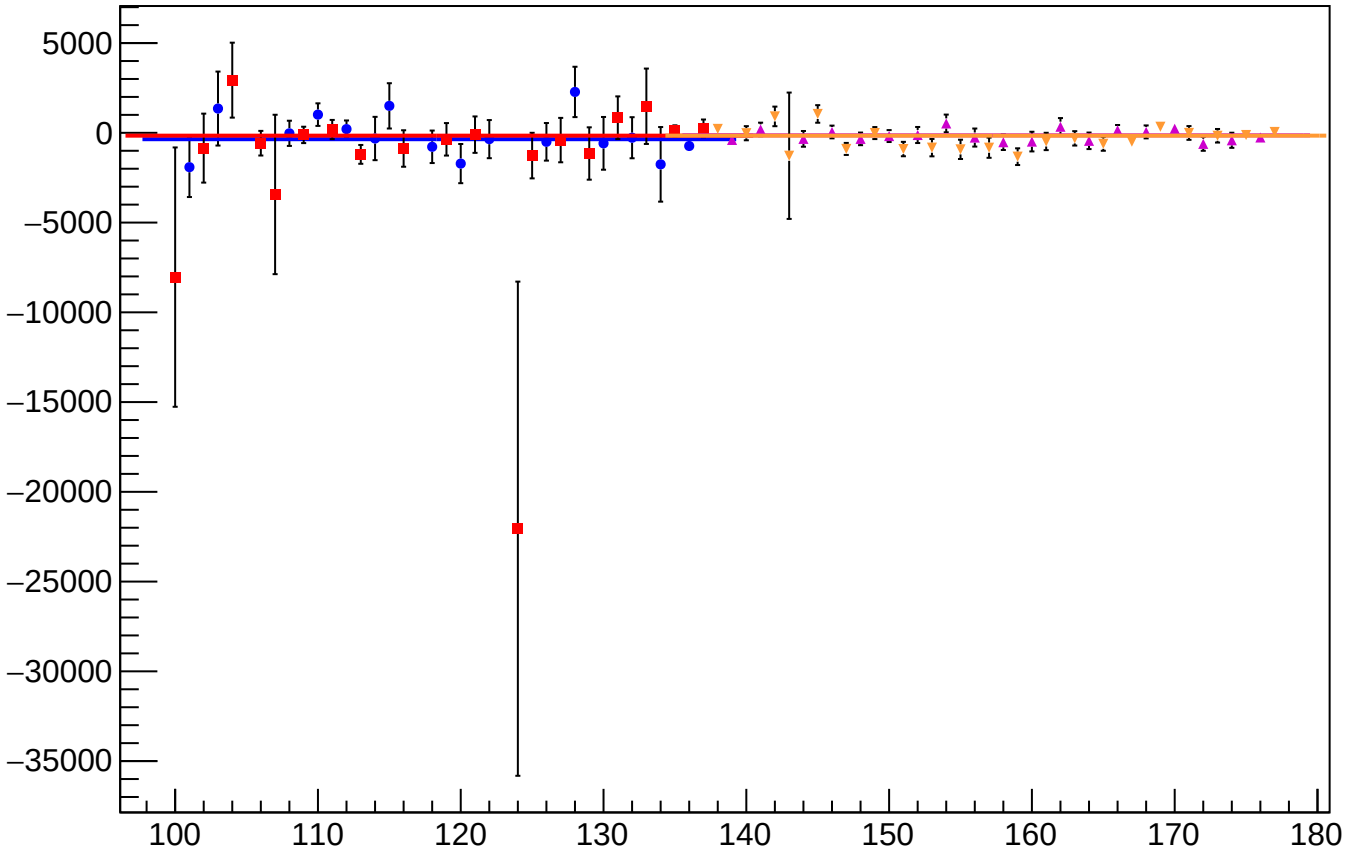
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.294+/-0.226 χ^2/NDF:21597.9/18

+ sign 1256.014+/-0.183 χ^2/NDF: 649190.8/36

All: 1262.525+/-0.131 χ^2/NDF: 886861.0/74

- sign 1269.448+/-0.189 χ^2/NDF: 235056.0/37



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -157.443+/-69.193 χ^2/NDF:41.5/20

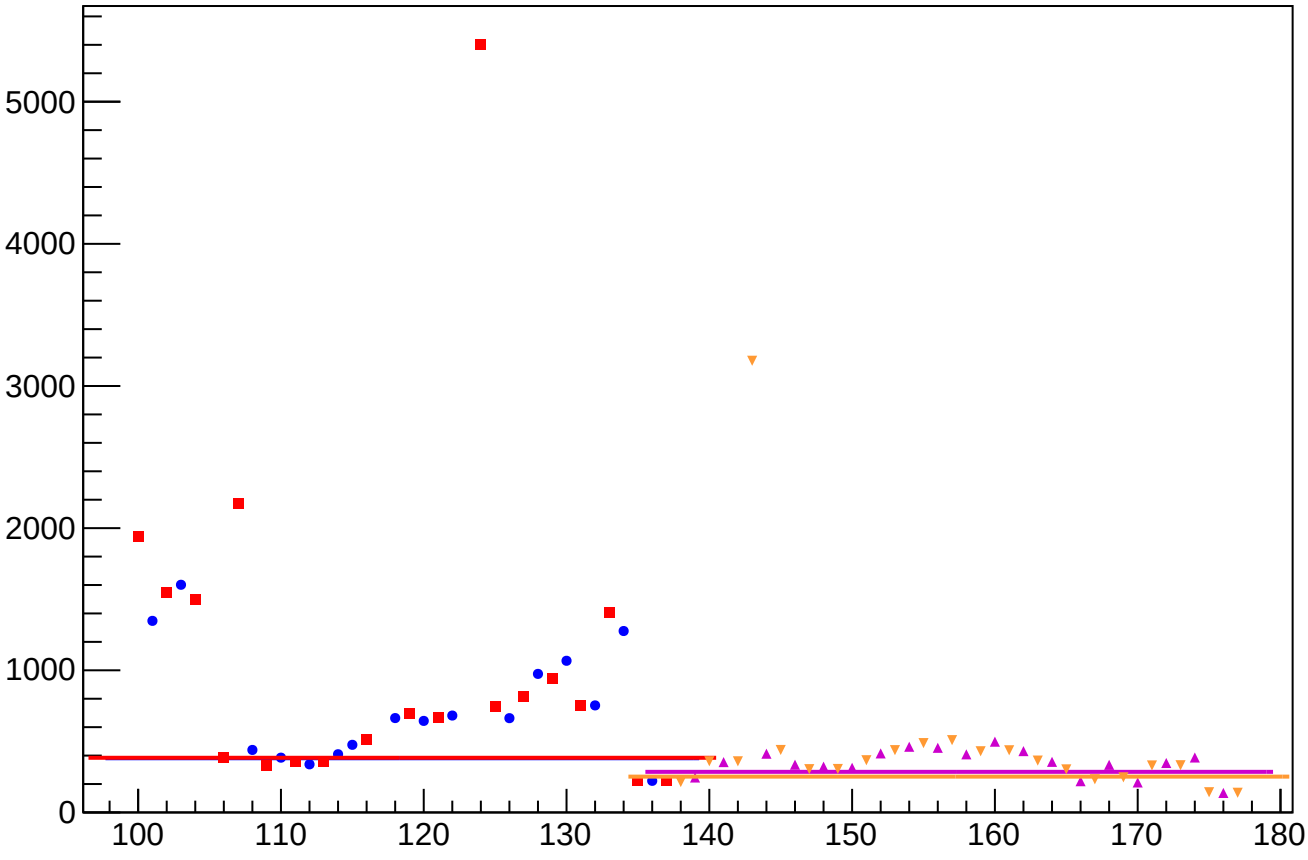
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -140.612+/-77.662 χ^2/NDF:13.0/18

+ sign -185.561+/-64.087 χ^2/NDF: 61.1/36

All: -166.614+/-47.457 χ^2/NDF: 90.2/74

- sign -143.611+/-70.615 χ^2/NDF: 28.8/37



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 252.063+/-0.049 χ^2/NDF:6277747.8/20

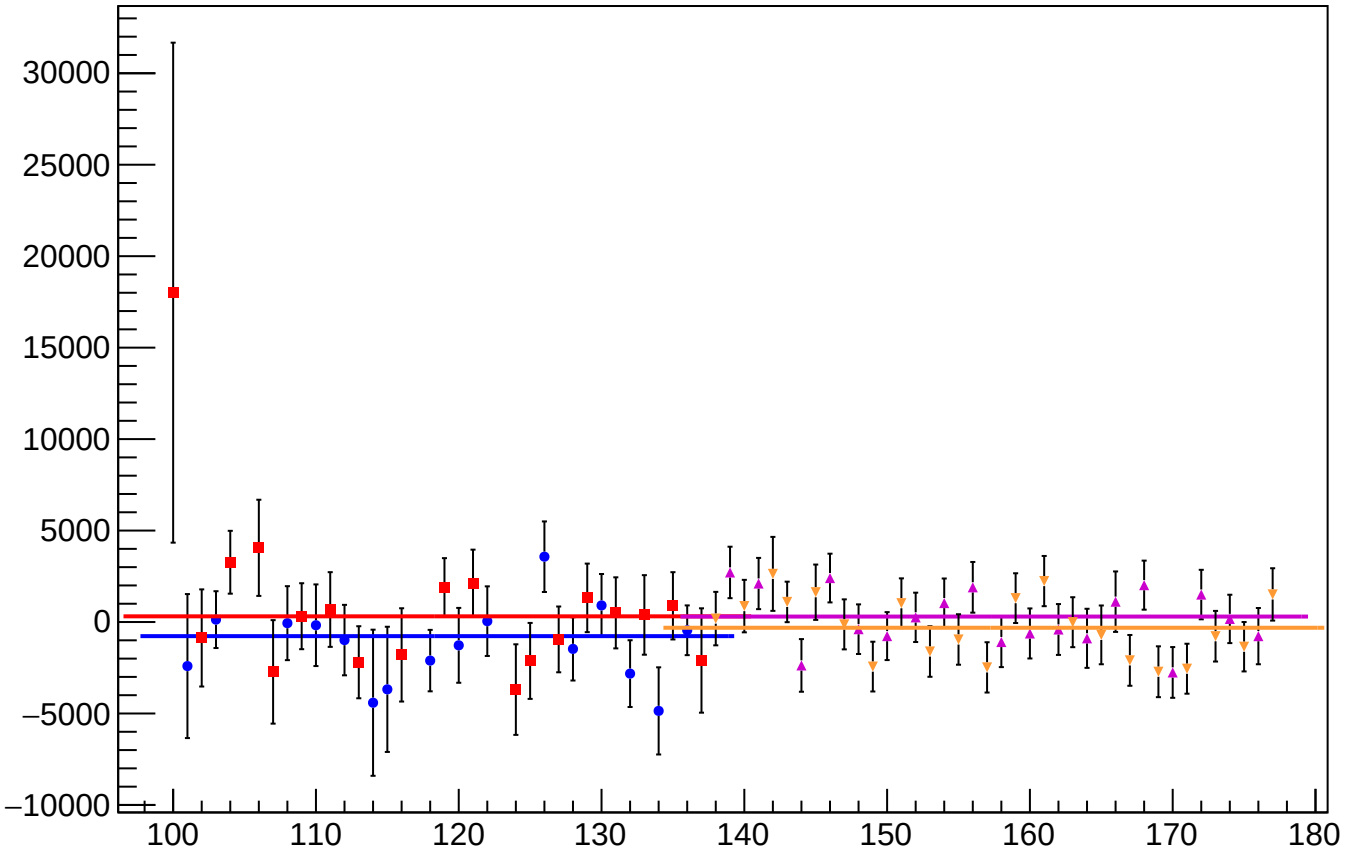
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 285.725+/-0.055 χ^2/NDF:3737837.6/18

+ sign 270.442+/-0.045 χ^2/NDF: 11588312.3/36

All: 285.085+/-0.034 χ^2/NDF: 20679659.1/74

- sign 302.862+/-0.050 χ^2/NDF: 8860190.6/37



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -313.386+/-304.686 χ^2/NDF:27.8/20

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

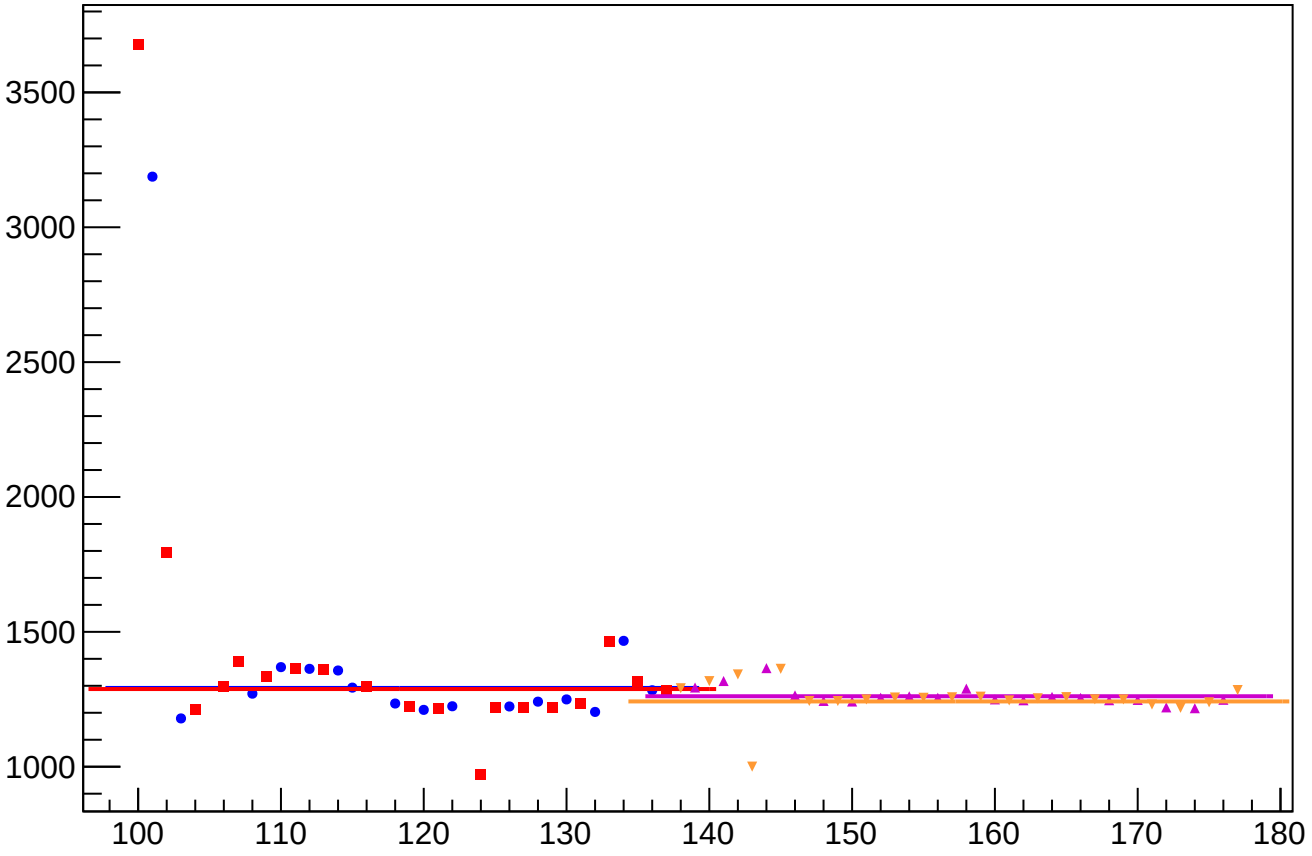
Left In: 299.204+/-320.057 χ^2/NDF:23.4/18

\+ sign -441.274+/-258.685 χ^2/NDF: 42.1/36

All: -80.572+/-185.699 χ^2/NDF: 87.4/74

\- sign 302.935+/-266.737 χ^2/NDF: 41.3/37

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1242.063+/-0.215 χ^2/NDF:124763.1/20

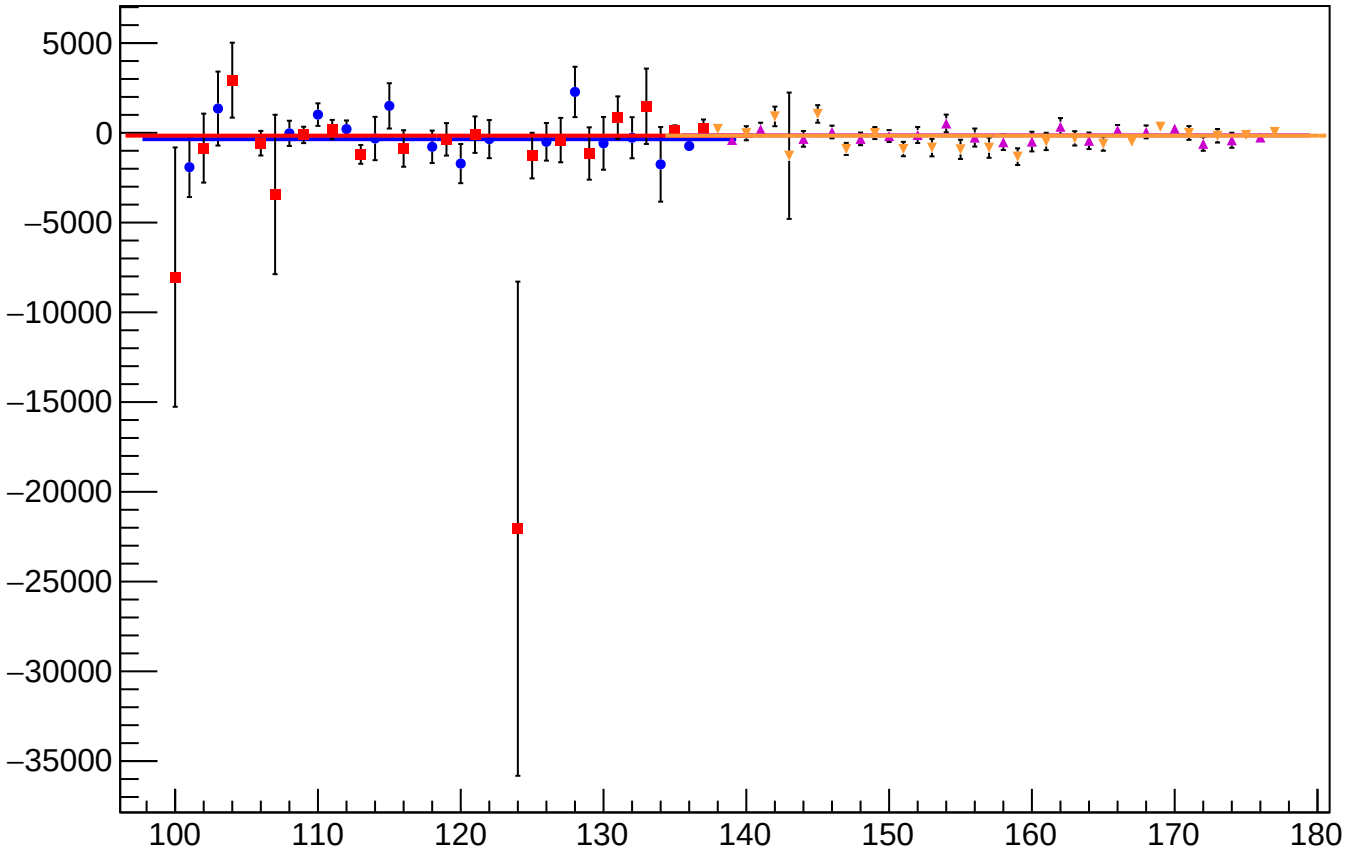
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.294+/-0.226 χ^2/NDF:21598.0/18

+ sign 1256.014+/-0.183 χ^2/NDF: 649190.0/36

All: 1262.525+/-0.131 χ^2/NDF: 886860.6/74

- sign 1269.447+/-0.189 χ^2/NDF: 235056.5/37



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -157.448+/-69.194 χ^2/NDF:41.5/20

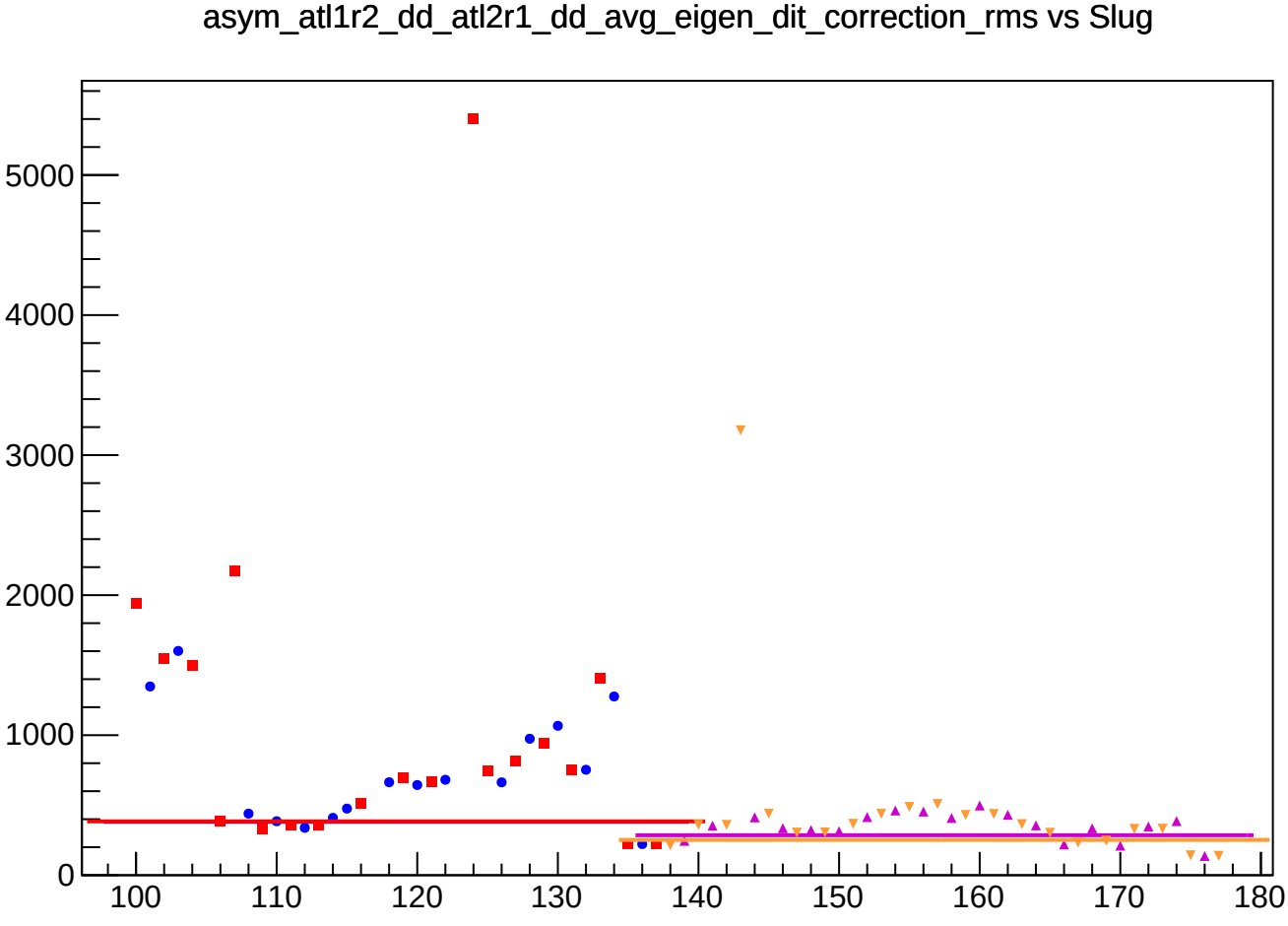
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -140.611+/-77.662 χ^2/NDF:13.0/18

+ sign -185.564+/-64.087 χ^2/NDF: 61.1/36

All: -166.616+/-47.457 χ^2/NDF: 90.2/74

- sign -143.611+/-70.616 χ^2/NDF: 28.8/37



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 252.065+/-0.049 χ^2/NDF:6277656.5/20

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

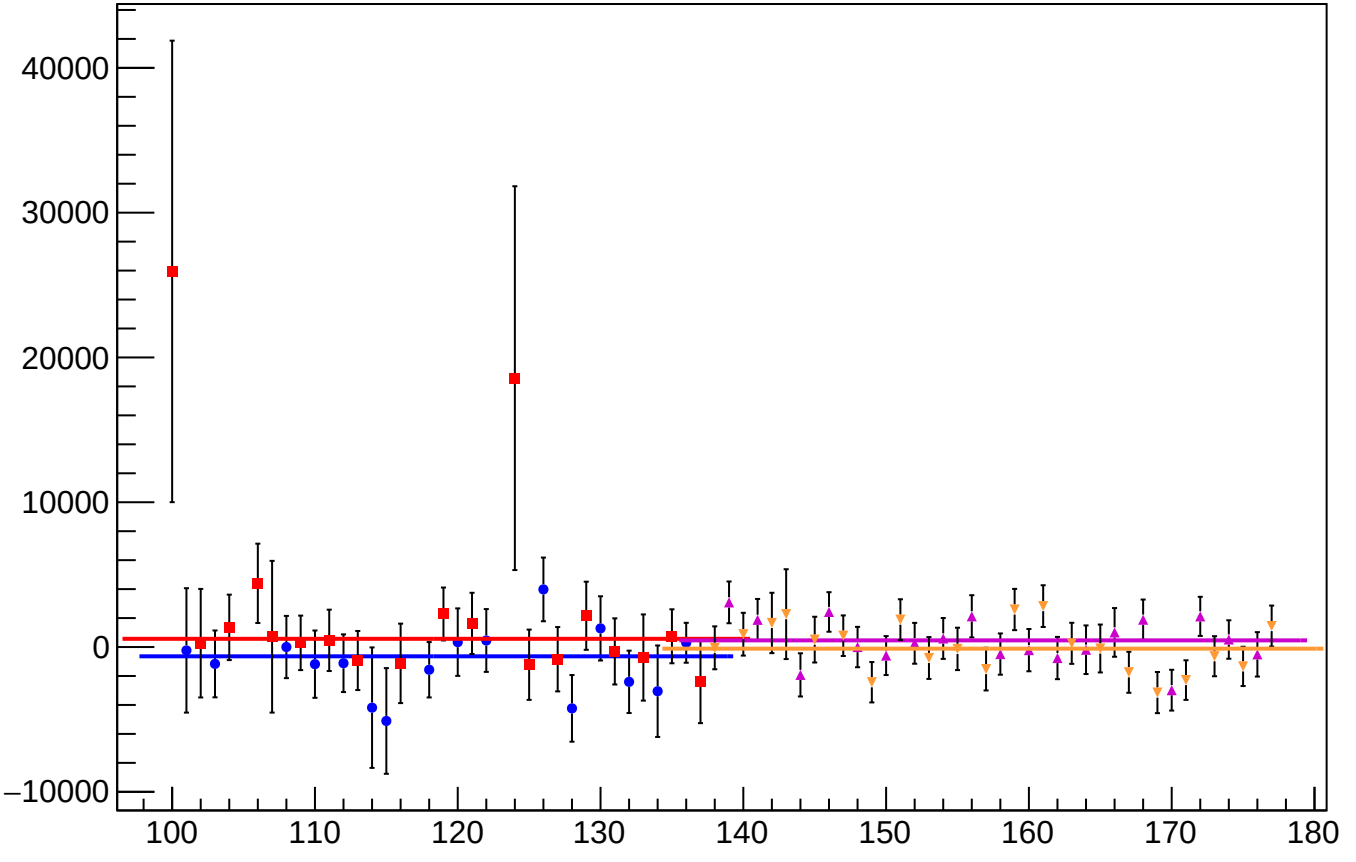
Left In: 285.727+/-0.055 χ^2/NDF:3737780.6/18

+ sign 270.445+/-0.045 χ^2/NDF: 11588132.2/36

All: 285.087+/-0.034 χ^2/NDF: 20679334.2/74

- sign 302.864+/-0.050 χ^2/NDF: 8860056.1/37

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -112.140+/-324.263 χ^2/NDF:26.6/20

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

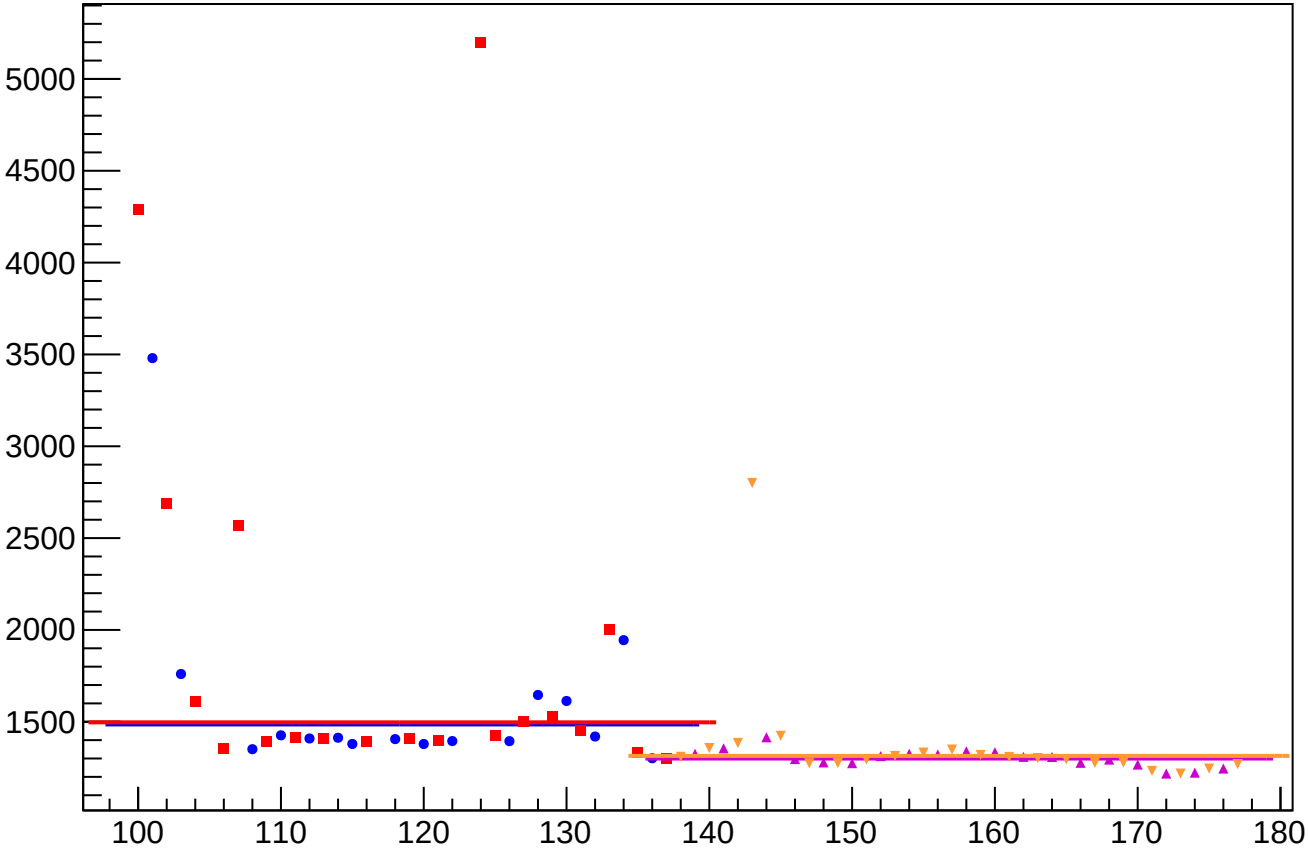
Left In: 460.577+/-329.908 χ^2/NDF:21.5/18

+ sign -243.354+/-281.159 χ^2/NDF: 39.8/36

All: 116.994+/-200.196 χ^2/NDF: 75.9/74

- sign 487.574+/-285.123 χ^2/NDF: 32.8/37

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1314.244+/-0.229 χ^2/NDF:504421.4/20

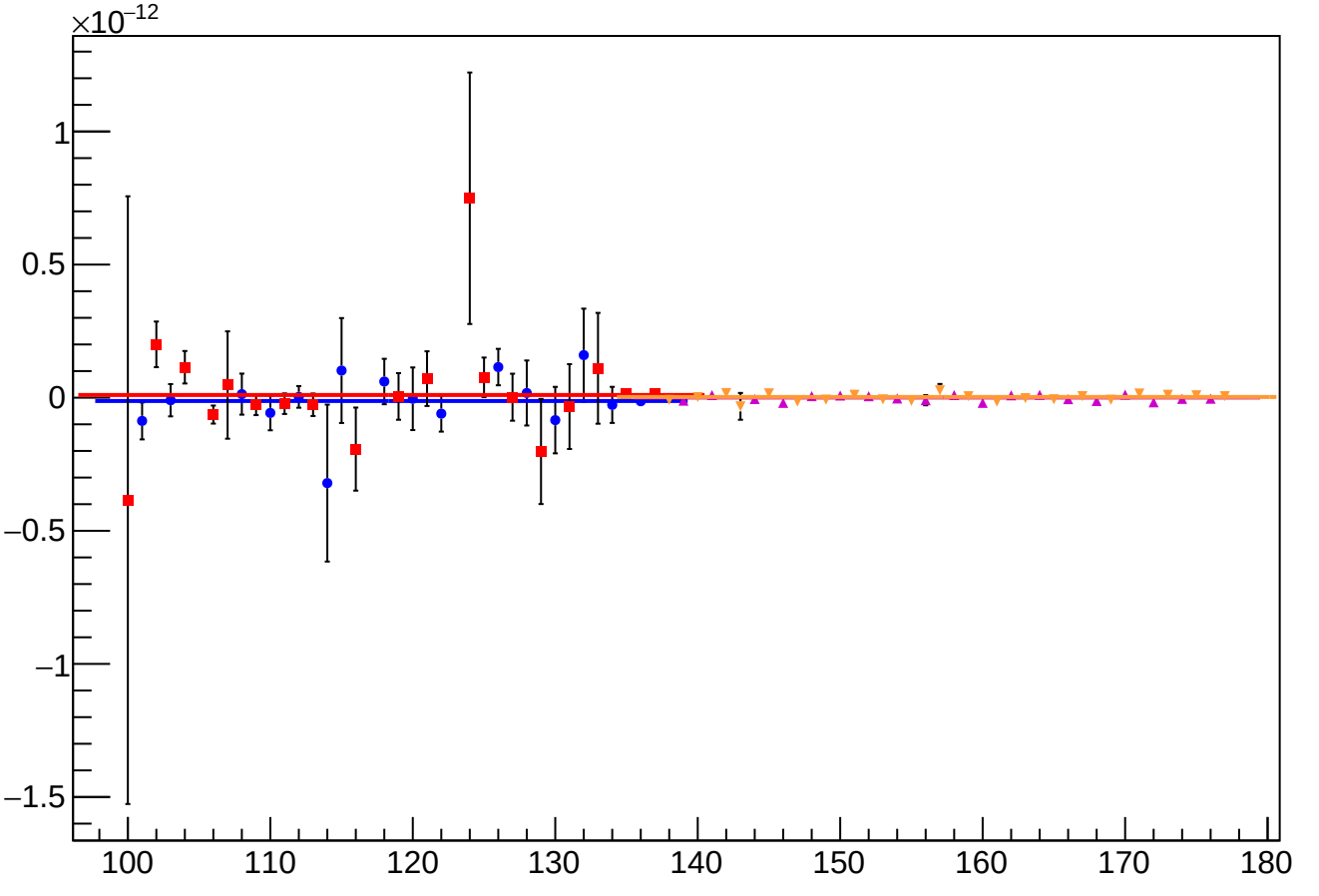
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1299.726+/-0.233 χ^2/NDF:38947.4/18

+ sign 1356.716+/-0.199 χ^2/NDF: 1227136.7/36

All: 1353.216+/-0.142 χ^2/NDF: 2070738.4/74

- sign 1349.617+/-0.202 χ^2/NDF: 842973.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.0/20

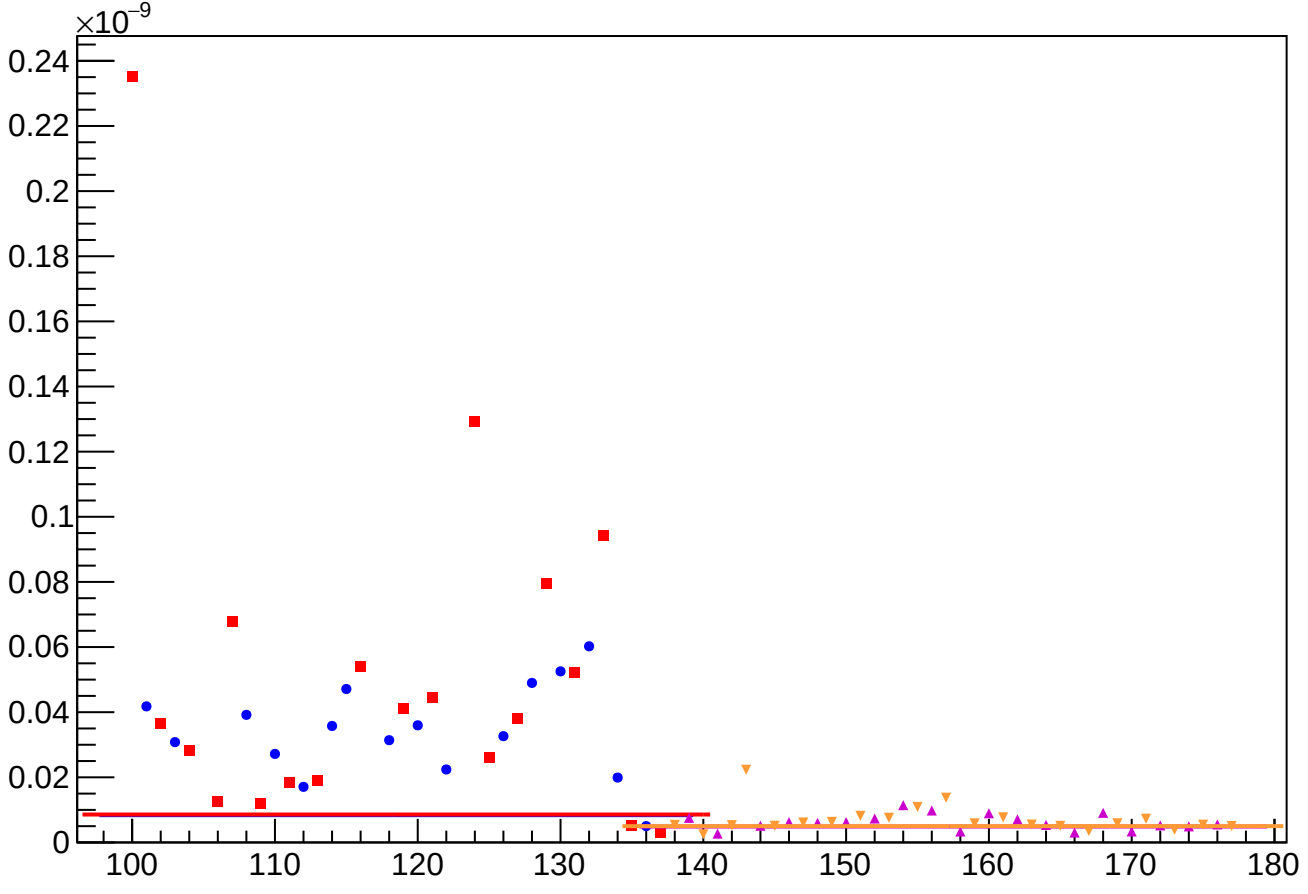
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/36

All: 0.000+/-0.000 χ^2/NDF: 77.7/74

- sign 0.000+/-0.000 χ^2/NDF: 45.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887485.0/20

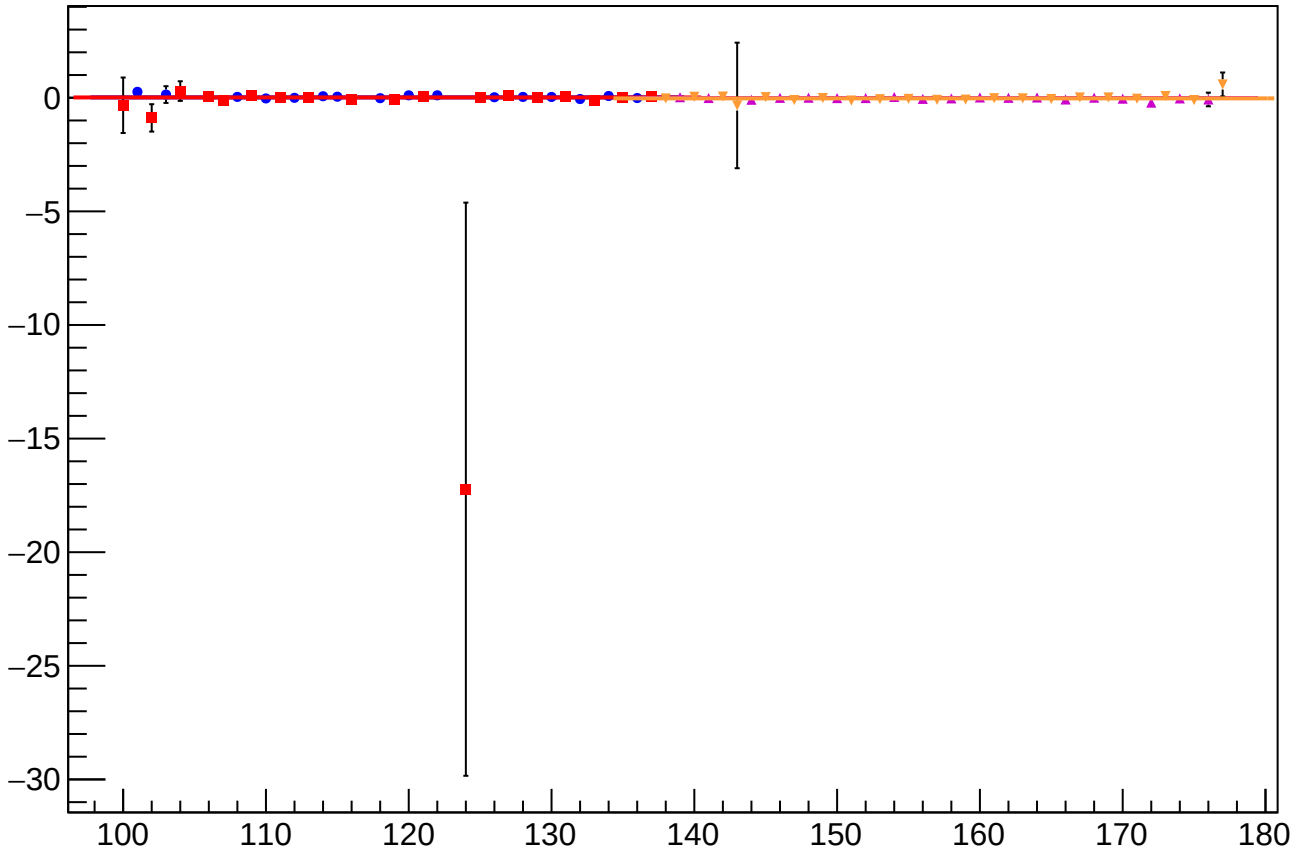
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1697202.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 5328546.1/36

All: 0.000+/-0.000 χ^2/NDF: 10771901.7/74

- sign 0.000+/-0.000 χ^2/NDF: 5440204.3/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

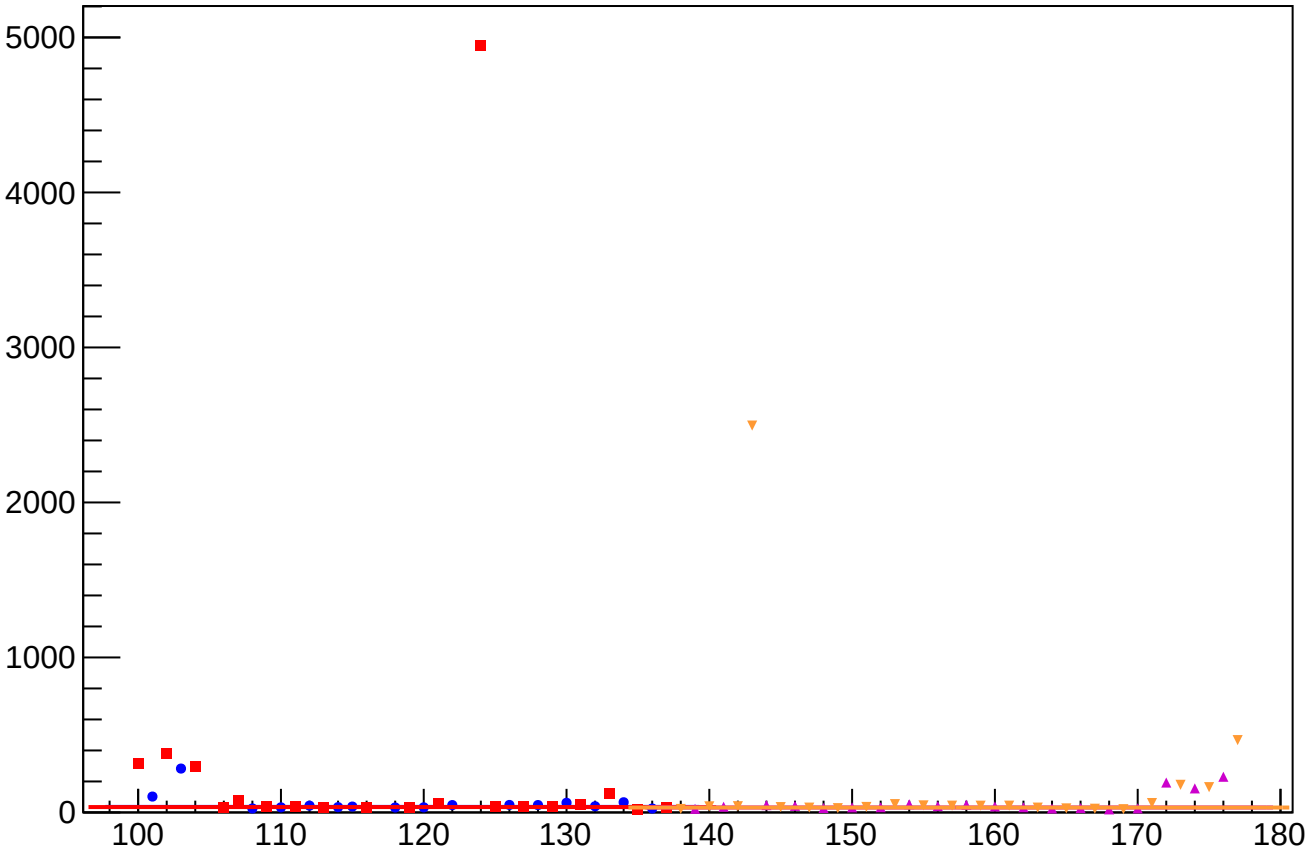
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.0/74

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685097.5/20

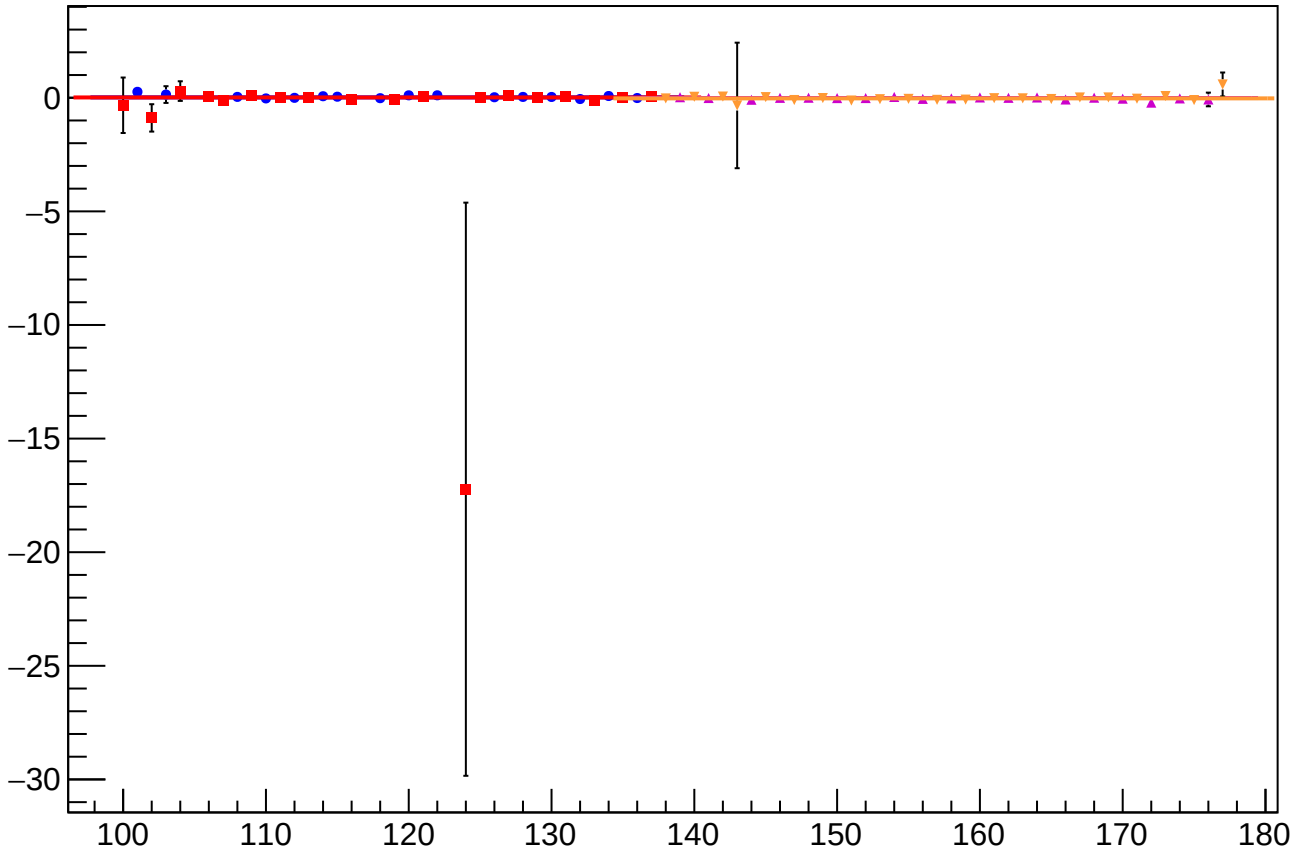
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

\+ sign 32.901+/-0.006 χ^2/NDF: 9043315.2/36

All: 32.839+/-0.004 χ^2/NDF: 16632700.9/74

\- sign 32.778+/-0.006 χ^2/NDF: 7589157.9/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

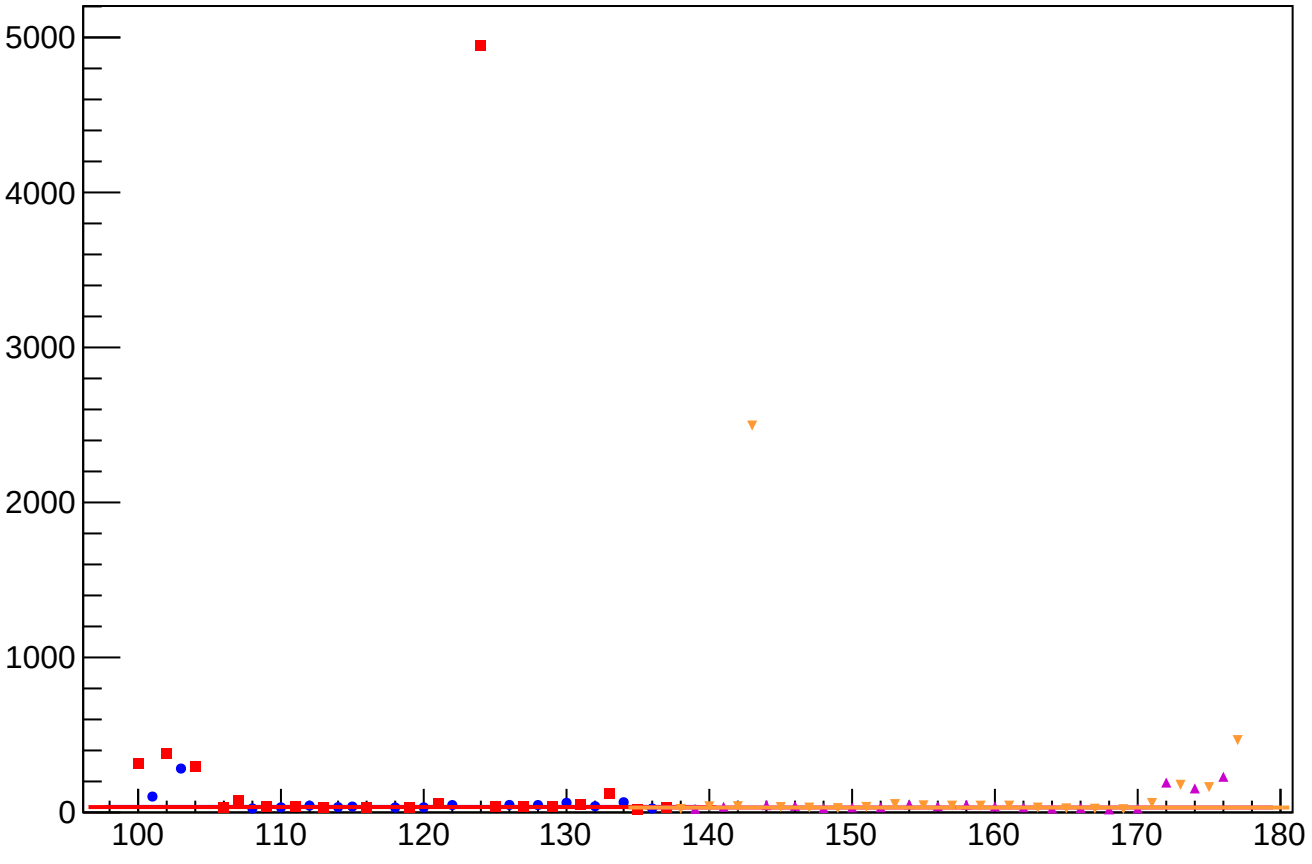
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.0/74

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685097.5/20

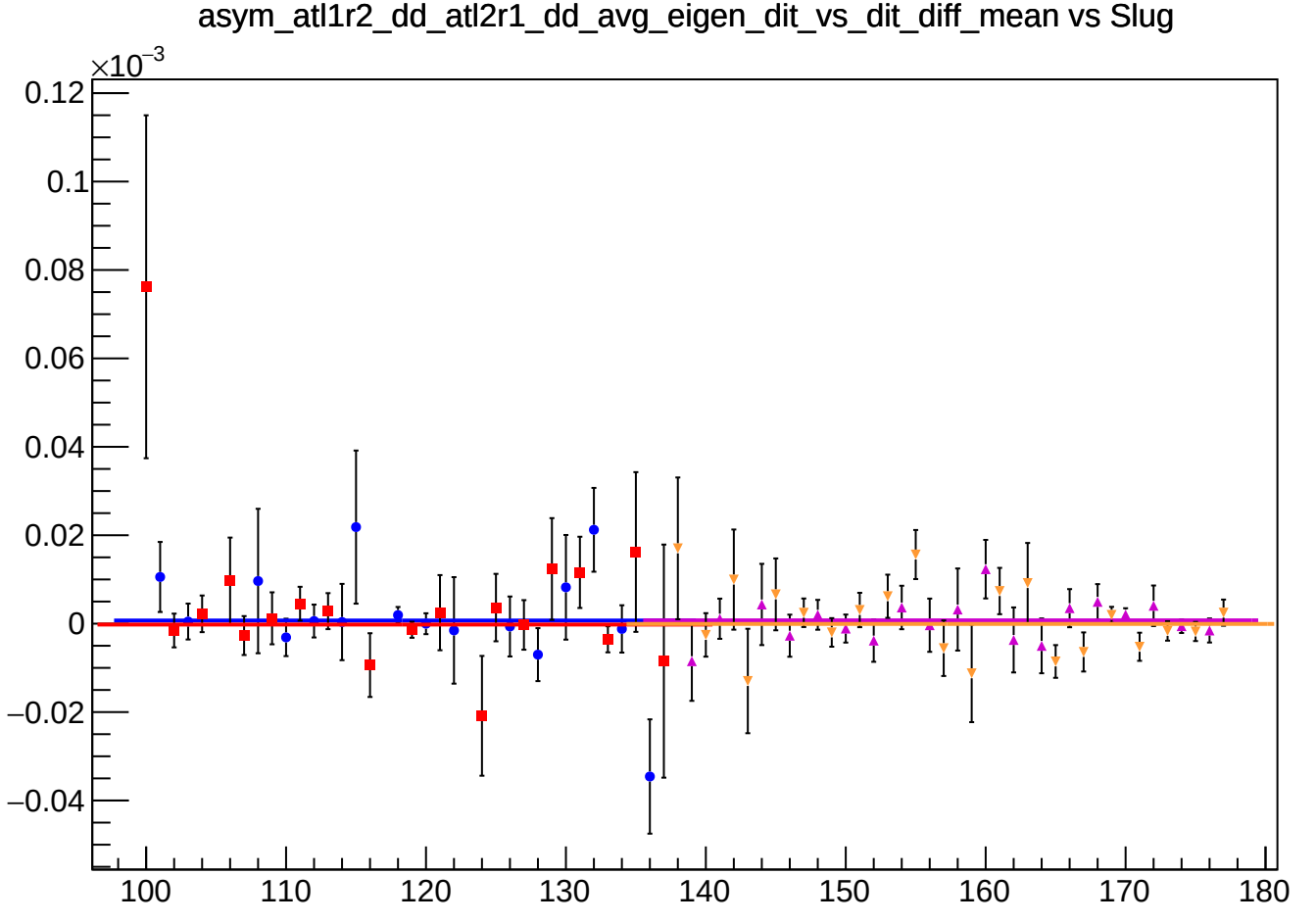
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

+ sign 32.901+/-0.006 χ^2/NDF: 9043315.2/36

All: 32.839+/-0.004 χ^2/NDF: 16632700.9/74

- sign 32.778+/-0.006 χ^2/NDF: 7589157.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.2/20

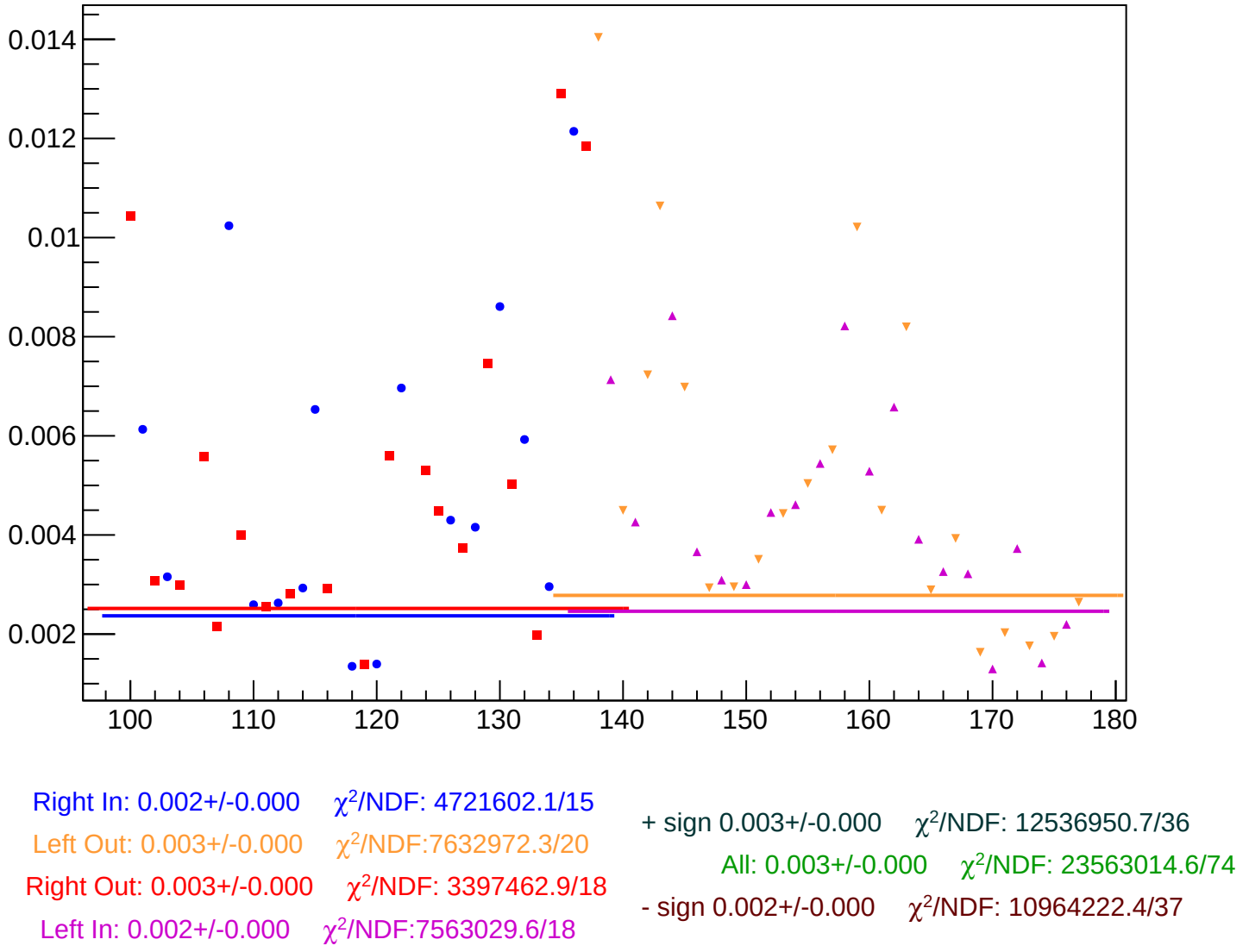
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/18

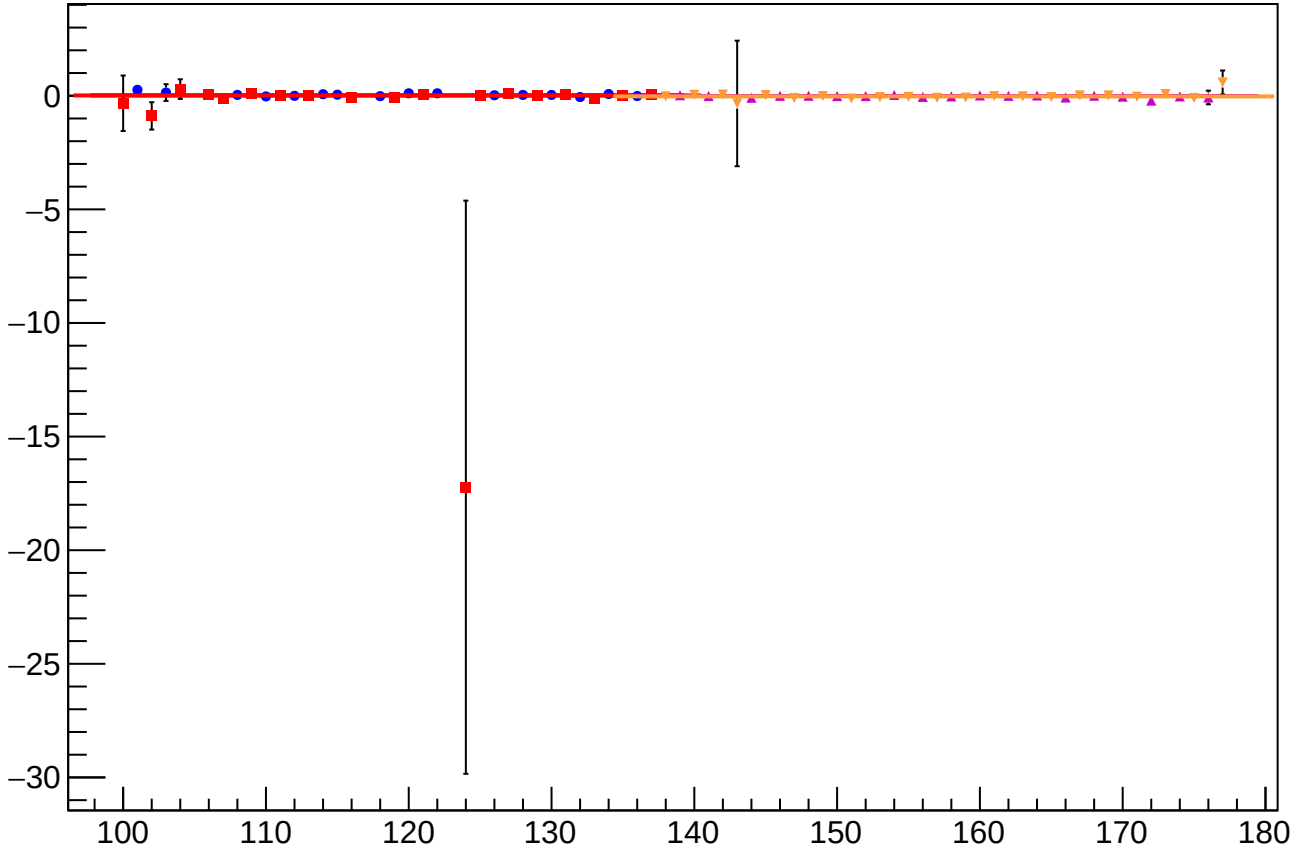
\+ sign 0.000+/-0.000 χ^2/NDF: 52.7/36

All: 0.000+/-0.000 χ^2/NDF: 83.5/74

\- sign 0.000+/-0.000 χ^2/NDF: 30.7/37


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:7632972.3/20
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.002+/-0.000 χ²/NDF:7563029.6/18
+ sign 0.003+/-0.000 χ²/NDF: 12536950.7/36
All: 0.003+/-0.000 χ²/NDF: 23563014.6/74
- sign 0.002+/-0.000 χ²/NDF: 10964222.4/37

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

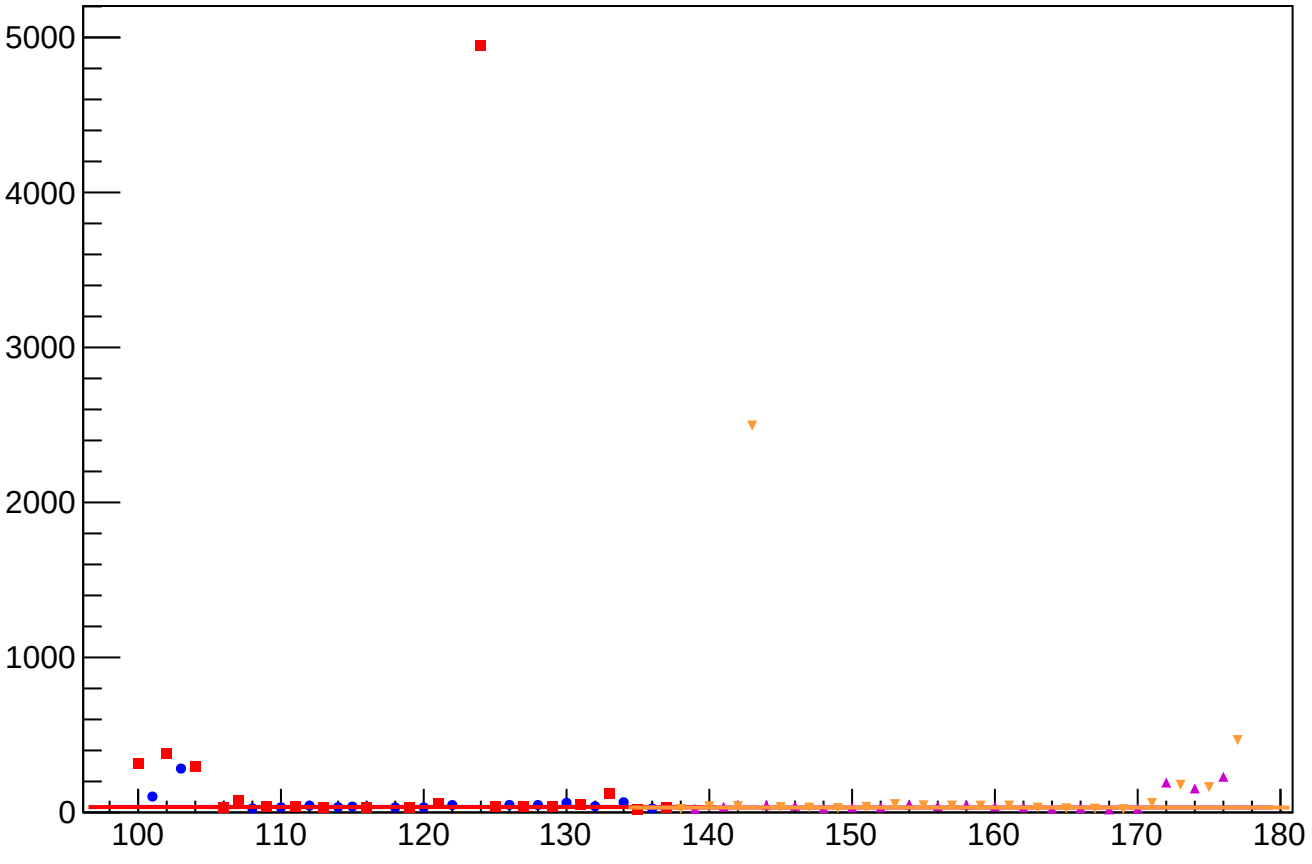
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.0/74

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685353.5/20

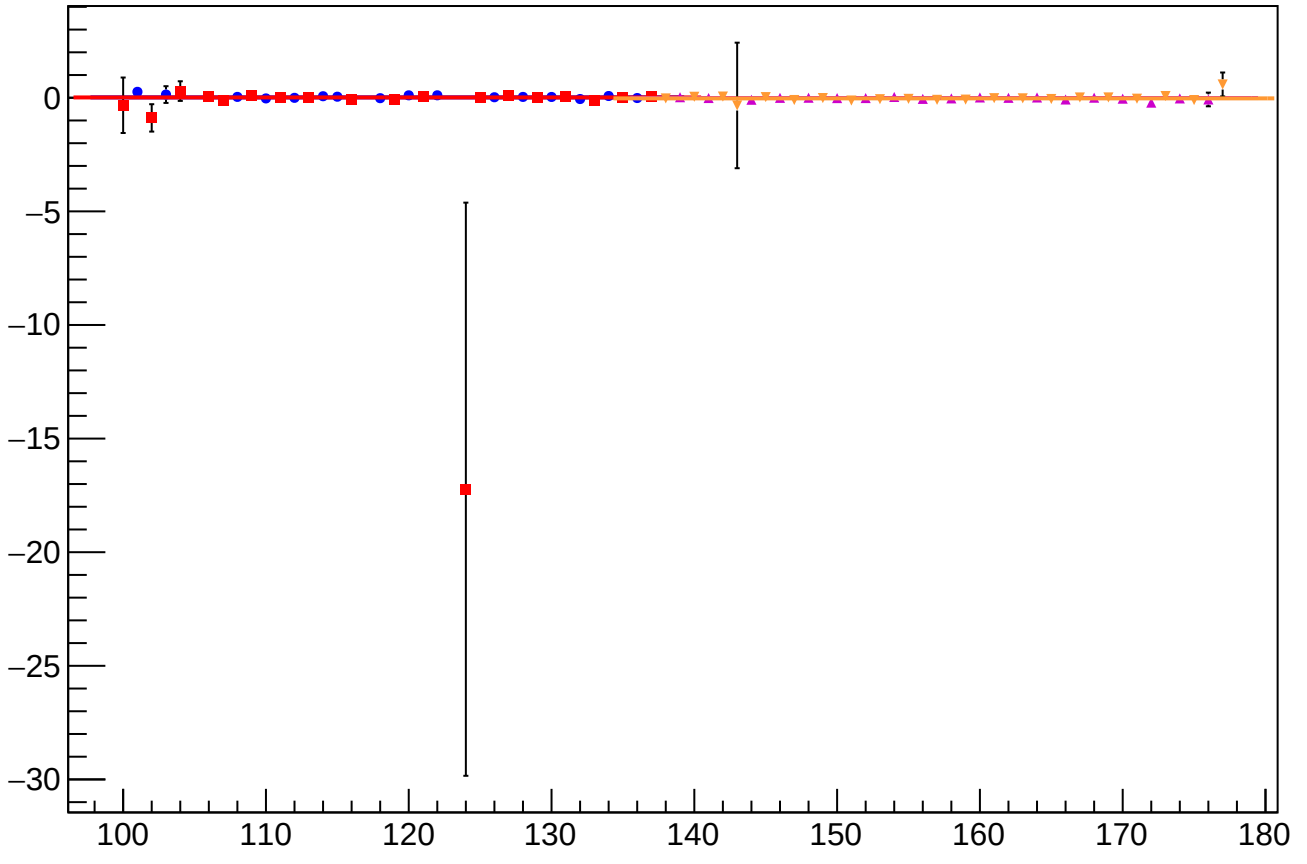
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

+ sign 32.901+/-0.006 χ^2/NDF: 9043373.3/36

All: 32.839+/-0.004 χ^2/NDF: 16633252.6/74

- sign 32.777+/-0.006 χ^2/NDF: 7589648.0/37



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.2/20

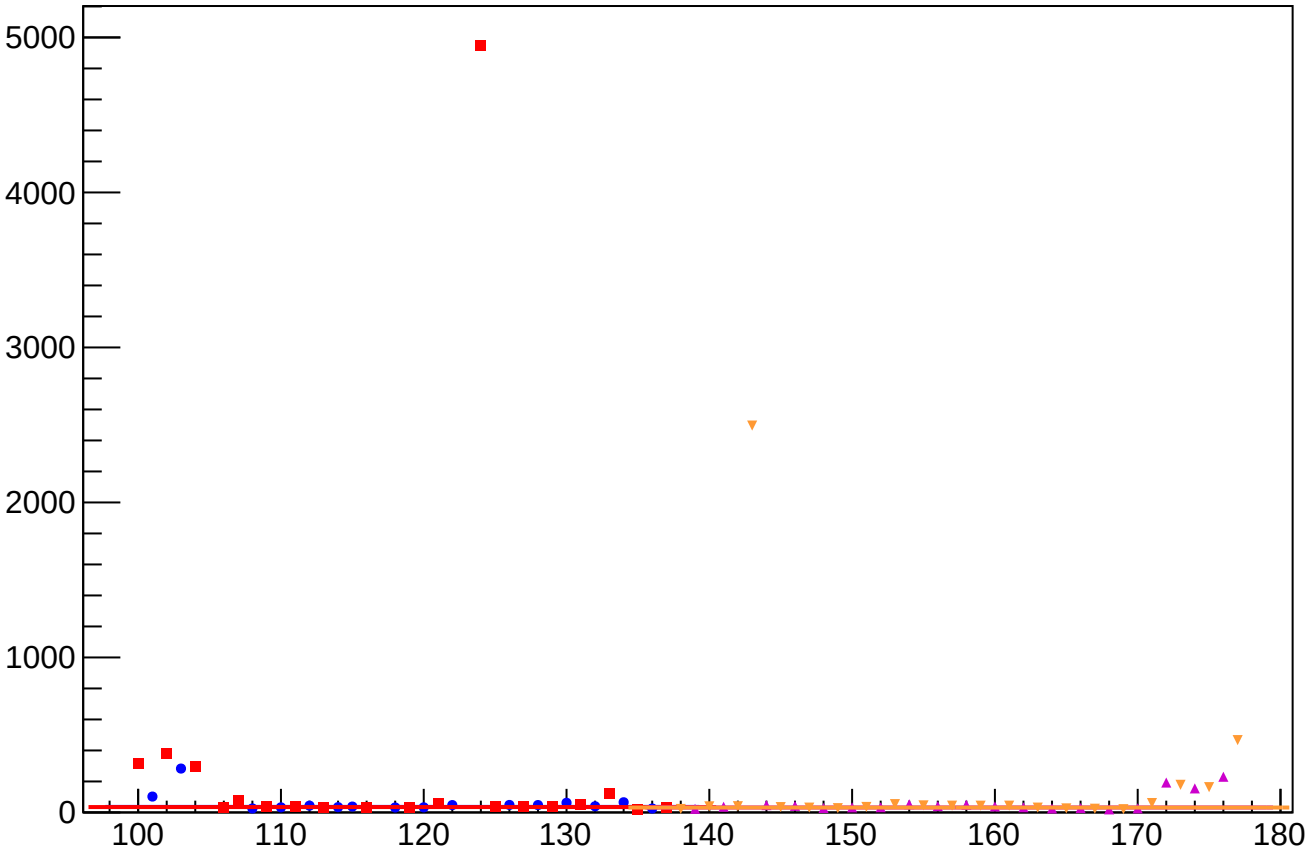
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:10.7/18

+ sign -0.015+/-0.008 χ^2/NDF: 42.5/36

All: -0.010+/-0.006 χ^2/NDF: 72.0/74

- sign -0.005+/-0.008 χ^2/NDF: 28.6/37



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.819+/-0.007 χ^2/NDF:6685353.5/20

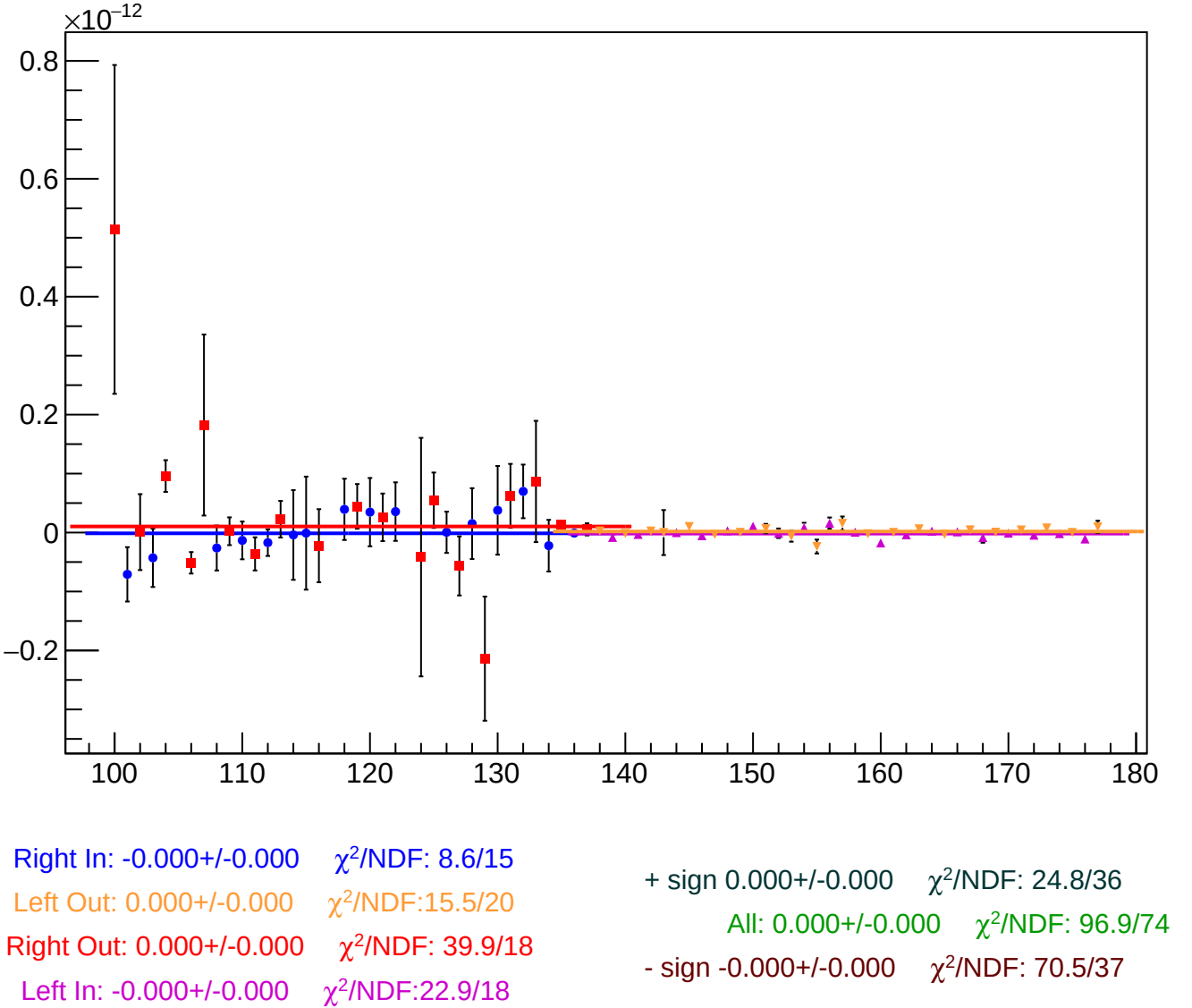
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

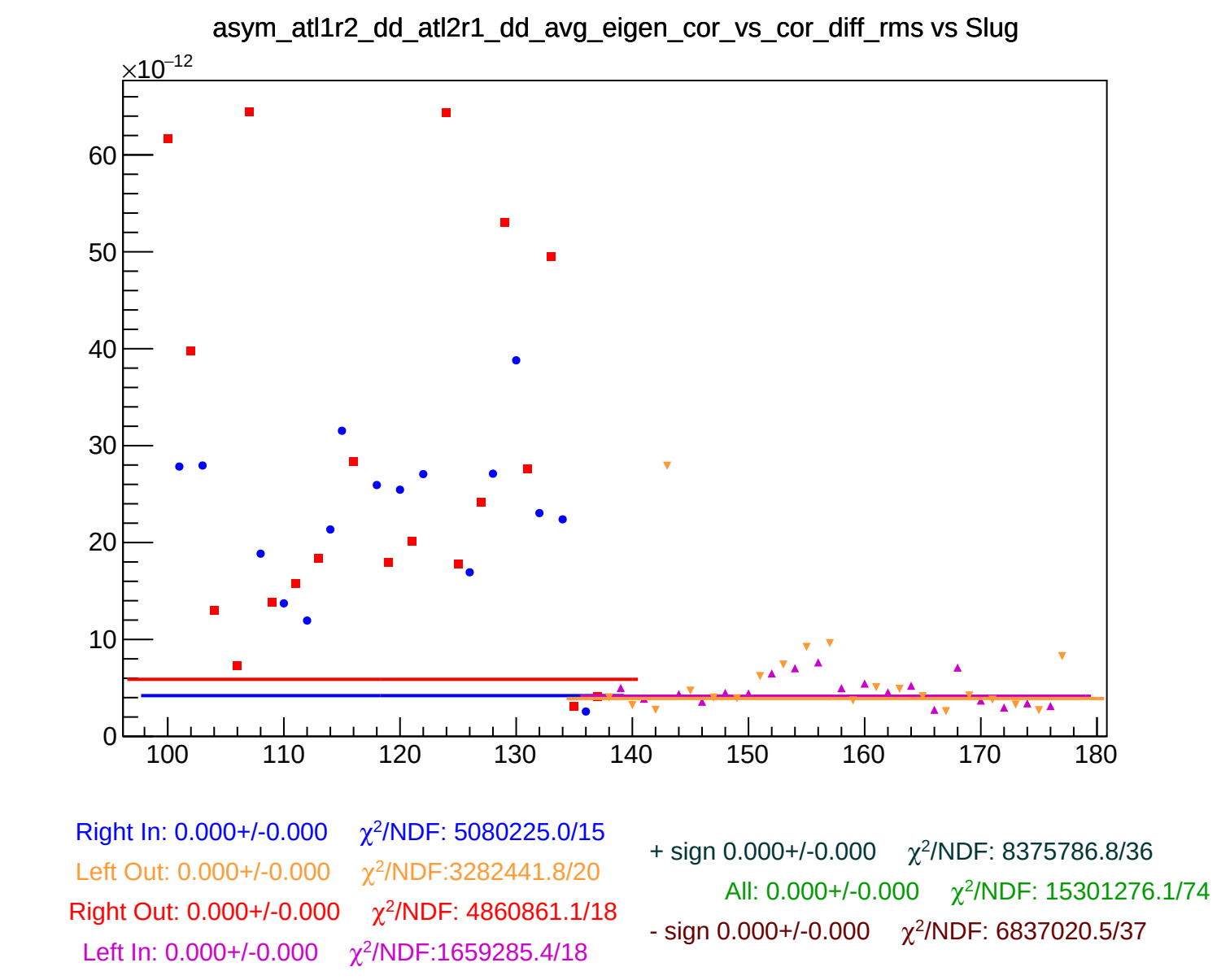
Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

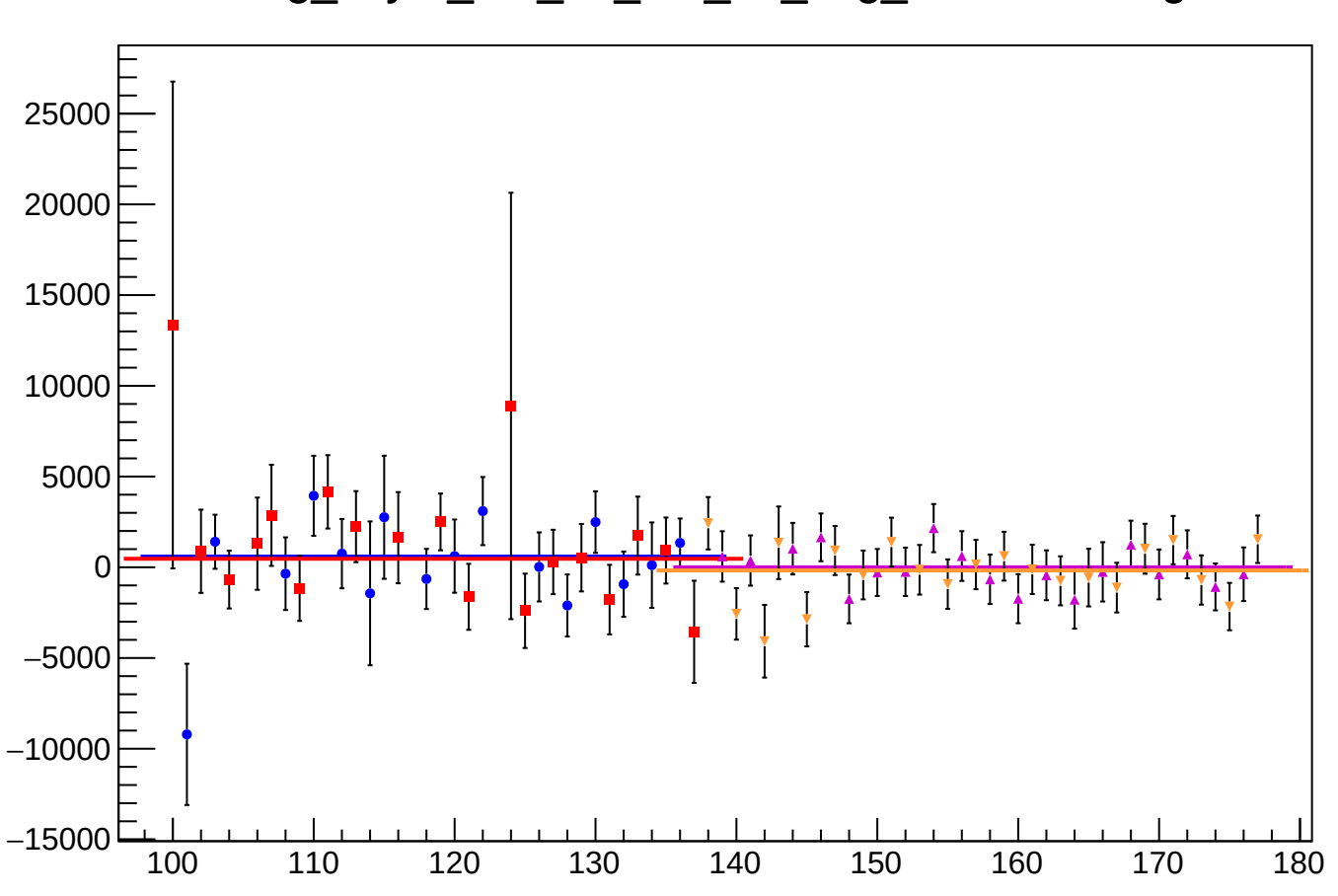
+ sign 32.901+/-0.006 χ^2/NDF: 9043373.3/36

All: 32.839+/-0.004 χ^2/NDF: 16633252.6/74

- sign 32.777+/-0.006 χ^2/NDF: 7589648.0/37


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:15.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:22.9/18
+ sign 0.000+/-0.000 χ²/NDF: 24.8/36
All: 0.000+/-0.000 χ²/NDF: 96.9/74
- sign -0.000+/-0.000 χ²/NDF: 70.5/37


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:3282441.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1659285.4/18
+ sign 0.000+/-0.000 χ²/NDF: 8375786.8/36
All: 0.000+/-0.000 χ²/NDF: 15301276.1/74
- sign 0.000+/-0.000 χ²/NDF: 6837020.5/37



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.329+/-307.648 χ^2/NDF:23.7/20

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

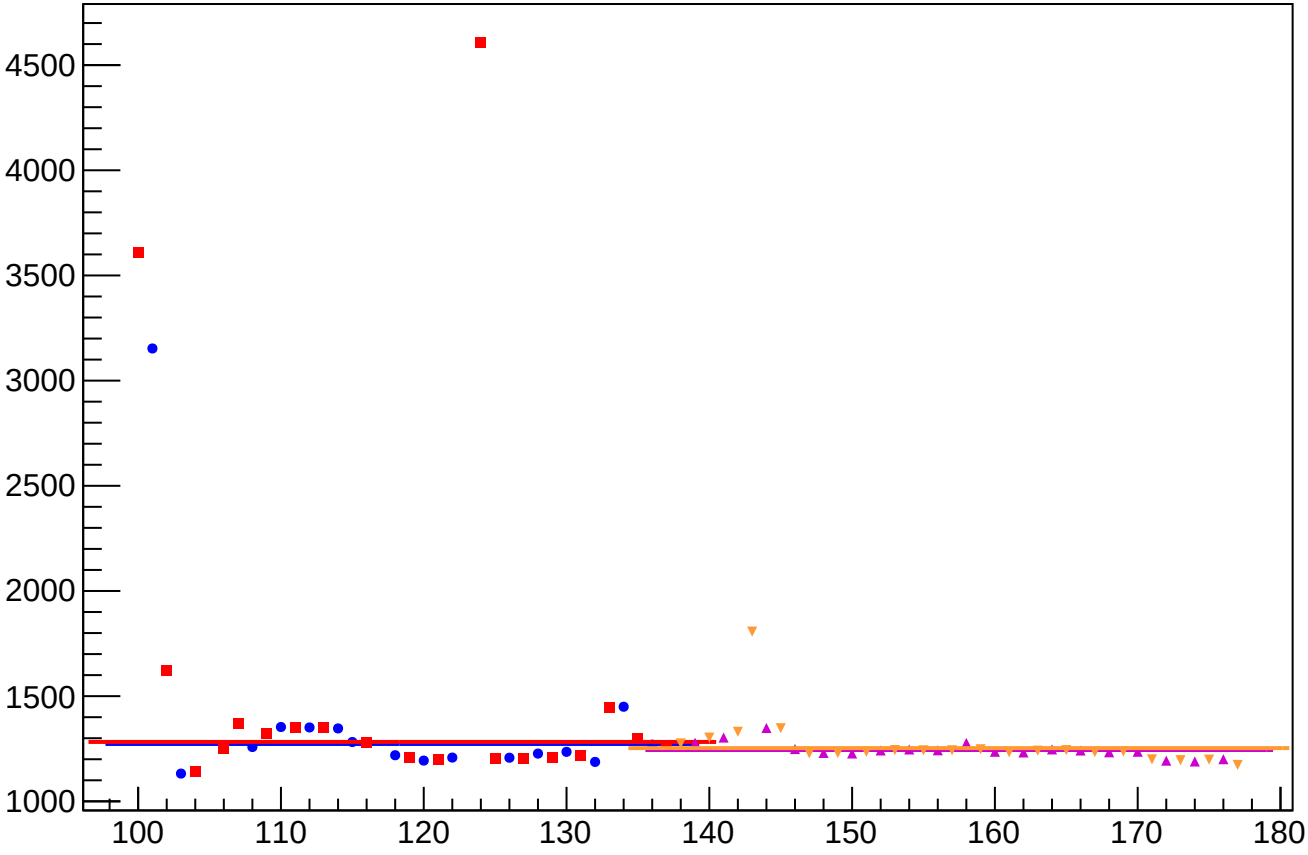
Left In: -1.147+/-315.722 χ^2/NDF:12.2/18

\+ sign 45.750+/-259.394 χ^2/NDF: 42.6/36

All: 92.376+/-184.979 χ^2/NDF: 72.4/74

\- sign 140.623+/-263.862 χ^2/NDF: 29.8/37

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

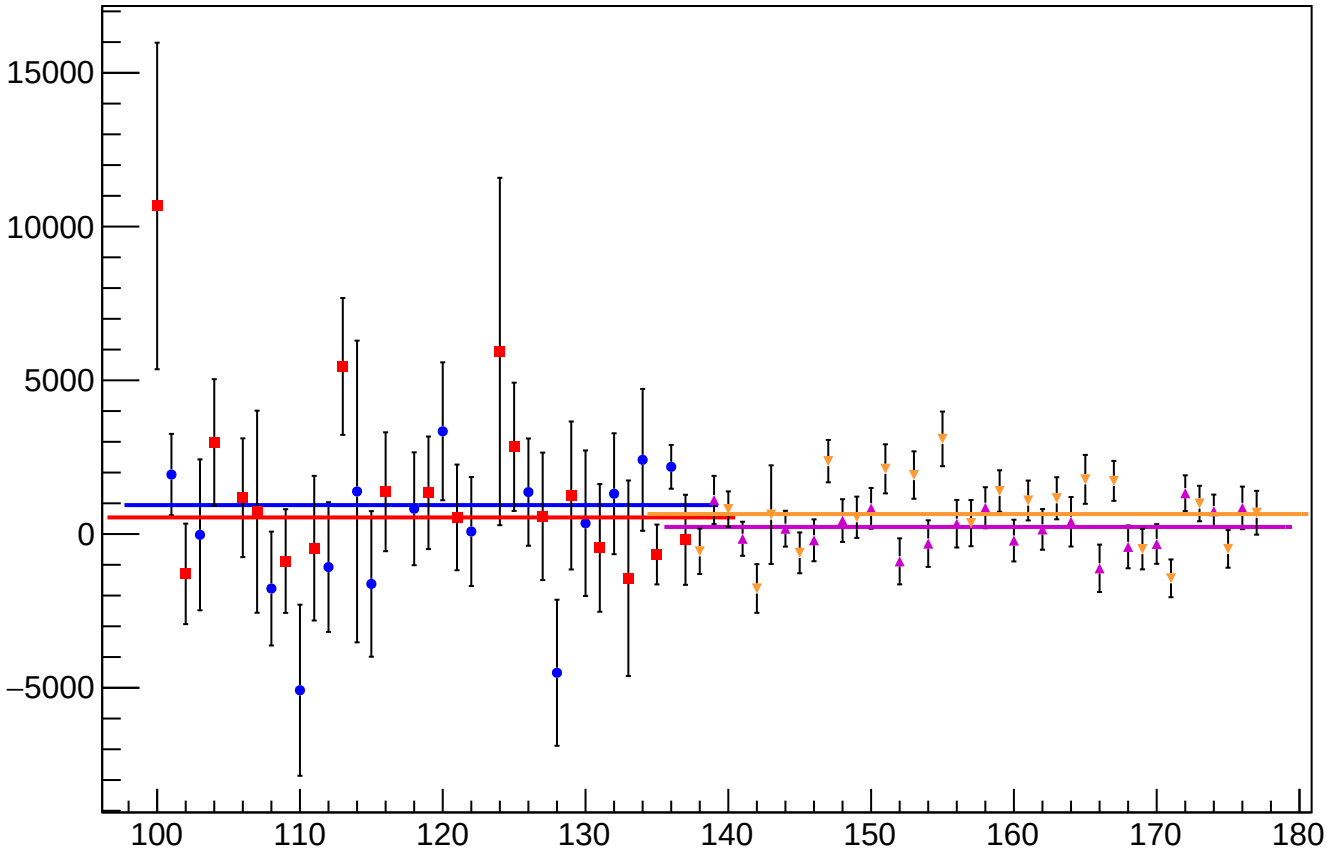
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1258.713+/-0.183 χ^2/NDF: 710092.3/36

All: 1257.214+/-0.131 χ^2/NDF: 1067351.5/74

- sign 1255.663+/-0.187 χ^2/NDF: 357123.4/37



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 650.567+/-152.554 χ^2/NDF:61.2/20

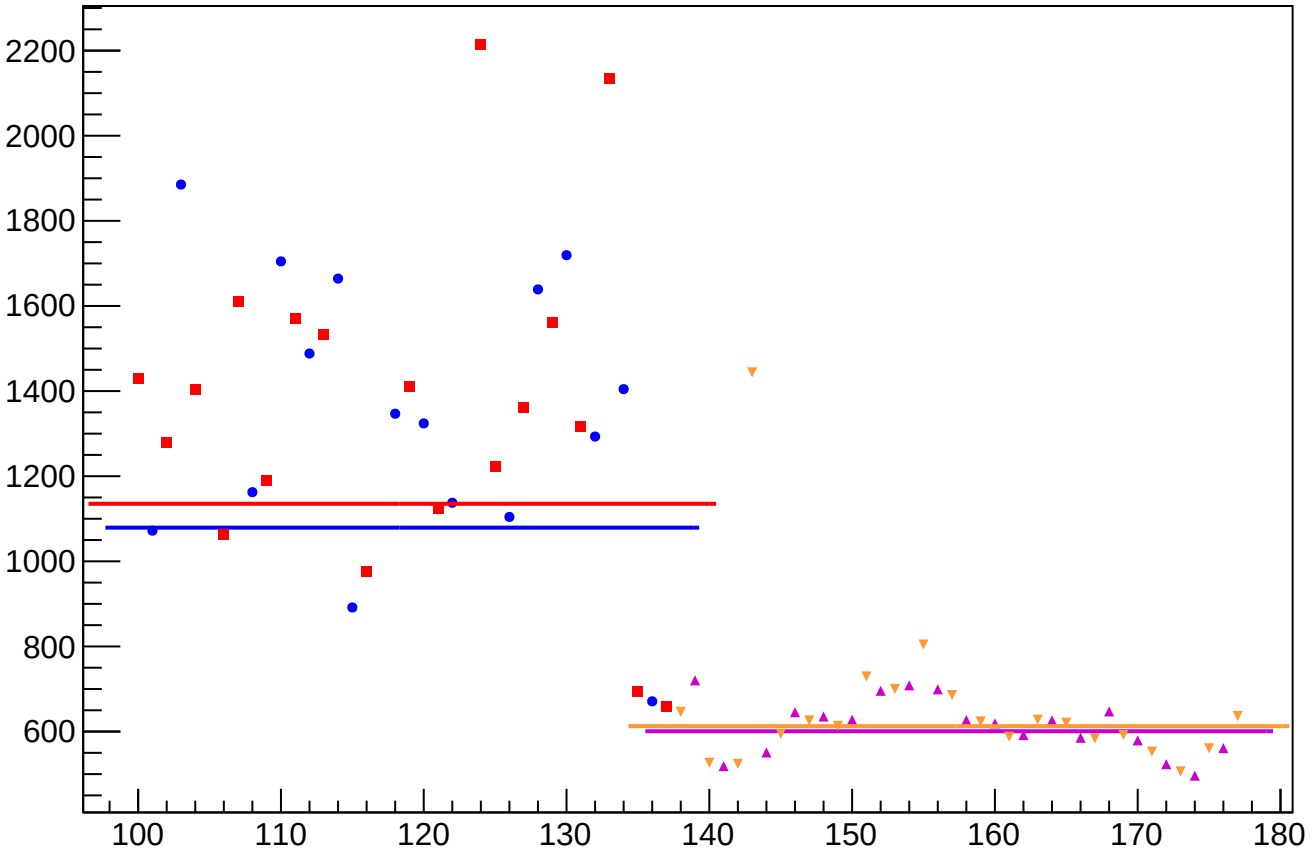
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 230.589+/-153.626 χ^2/NDF:17.1/18

+ sign 683.688+/-143.616 χ^2/NDF: 81.5/36

All: 476.053+/-102.050 χ^2/NDF: 120.5/74

- sign 264.290+/-145.036 χ^2/NDF: 34.7/37



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 612.699+/-0.108 χ^2/NDF:908075.3/20

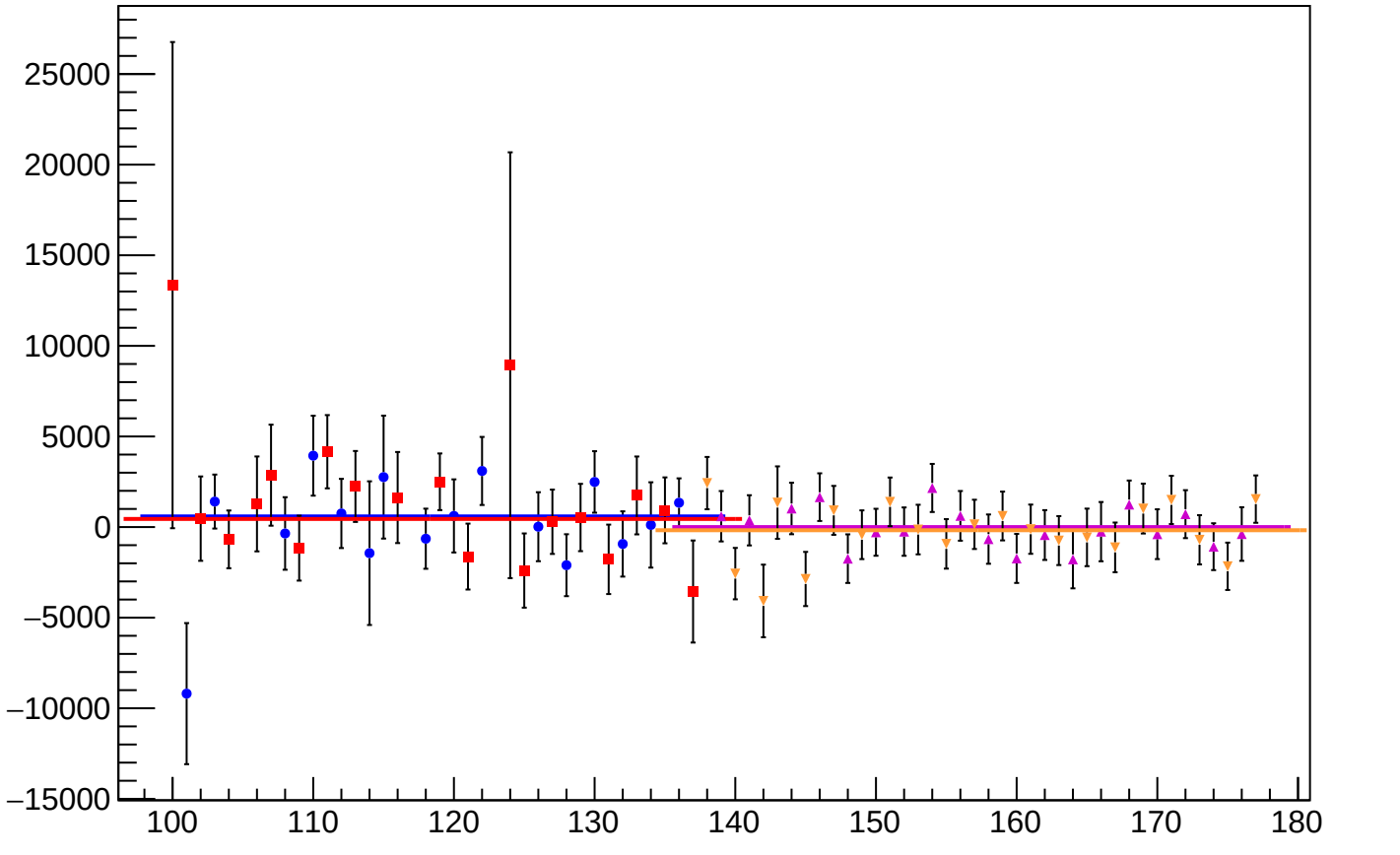
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 600.799+/-0.109 χ^2/NDF:362403.7/18

+ sign 665.750+/-0.102 χ^2/NDF: 4516782.4/36

All: 662.351+/-0.072 χ^2/NDF: 8804834.1/74

- sign 658.885+/-0.103 χ^2/NDF: 4285789.4/37



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

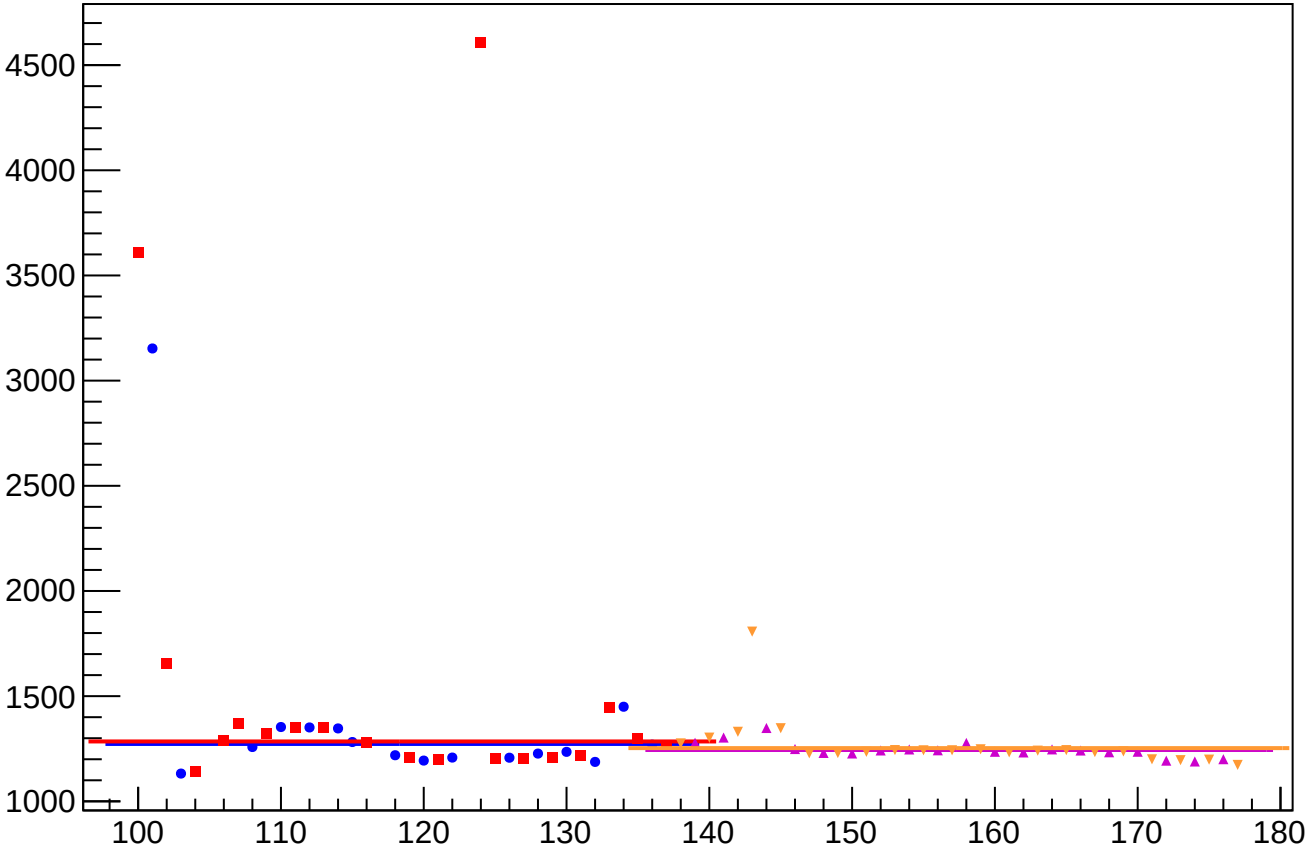
Left In: -1.108+/-315.722 χ^2/NDF:12.2/18

\+ sign 45.810+/-259.394 χ^2/NDF: 42.5/36

All: 89.187+/-185.025 χ^2/NDF: 72.3/74

\- sign 134.117+/-263.997 χ^2/NDF: 29.7/37

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

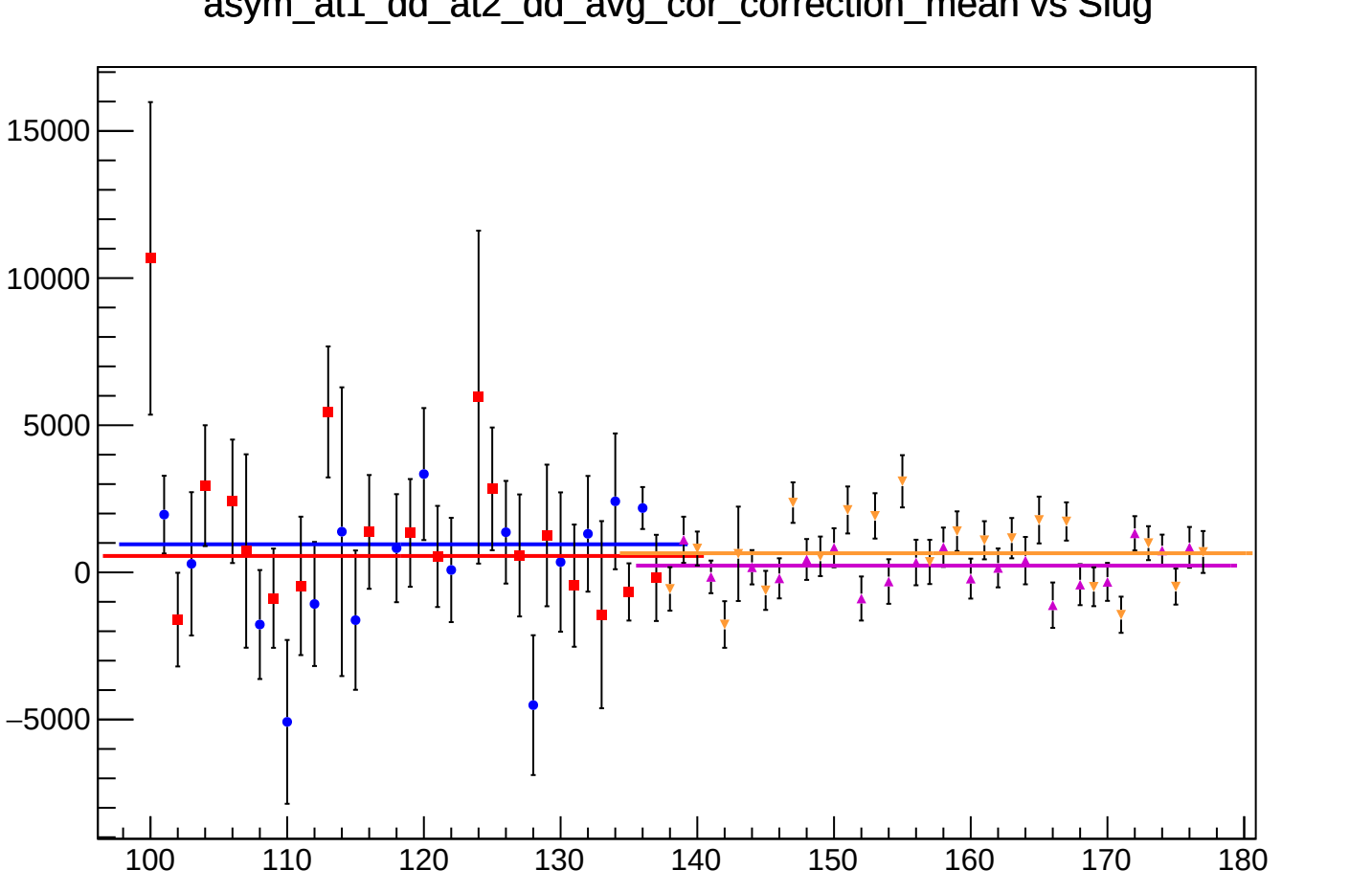
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1258.713+/-0.183 χ^2/NDF: 710093.6/36

All: 1257.540+/-0.131 χ^2/NDF: 1075023.7/74

- sign 1256.325+/-0.187 χ^2/NDF: 364846.8/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 650.593+/-152.555 χ^2/NDF:61.2/20

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

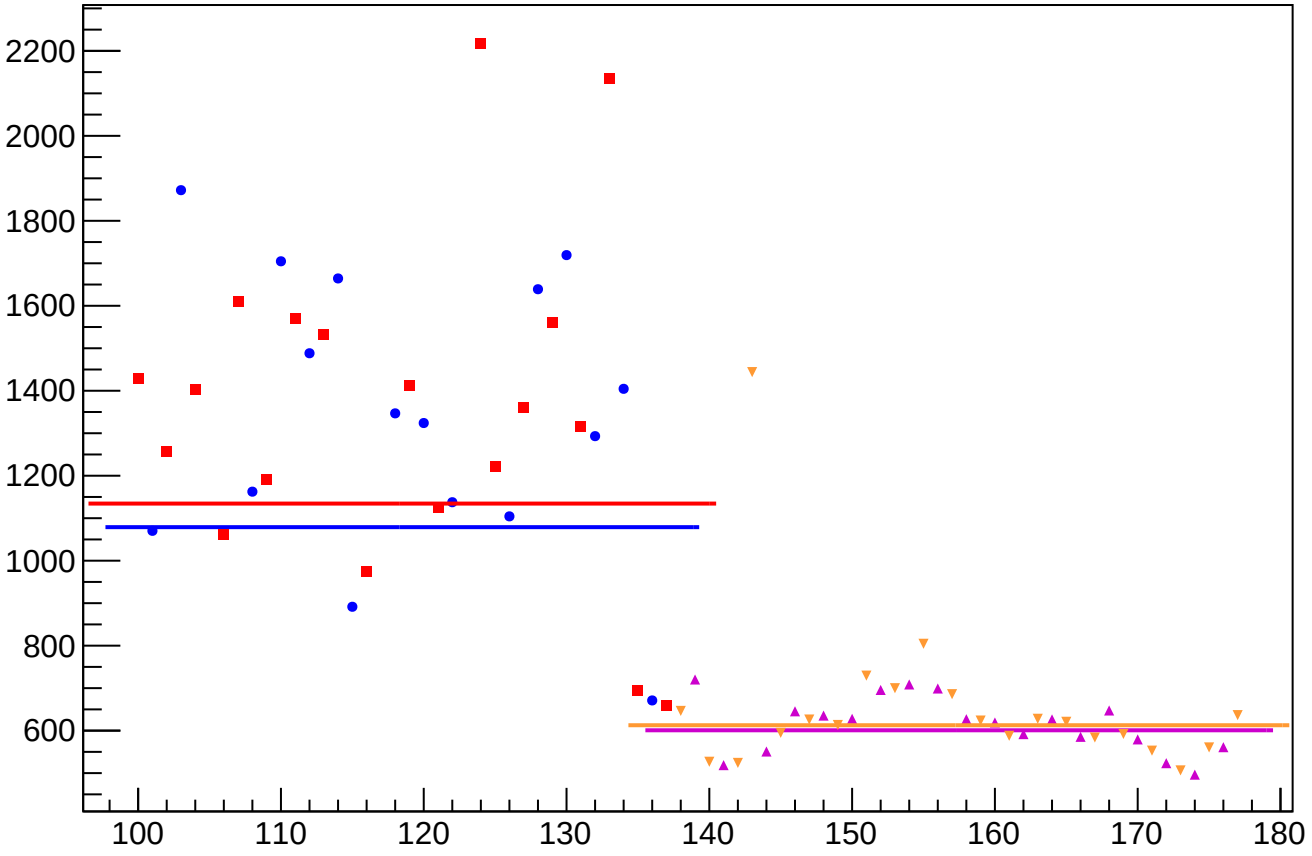
Left In: 230.565+/-153.625 χ^2/NDF:17.1/18

+ sign 685.145+/-143.610 χ^2/NDF: 81.5/36

All: 477.701+/-102.059 χ^2/NDF: 121.7/74

- sign 266.028+/-145.066 χ^2/NDF: 36.0/37

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 612.702+/-0.108 χ^2/NDF:908027.8/20

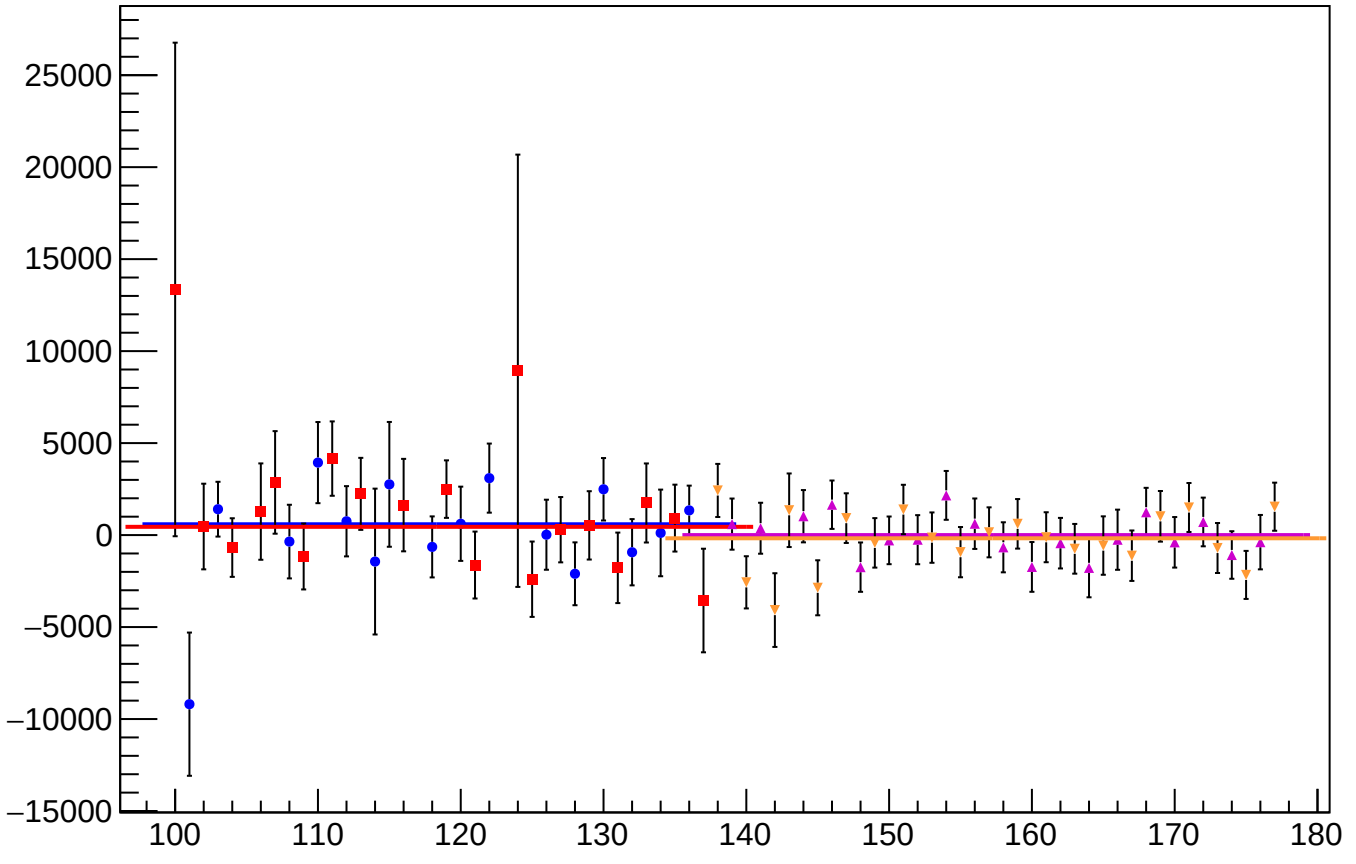
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

+ sign 665.771+/-0.102 χ^2/NDF: 4513038.0/36

All: 662.223+/-0.072 χ^2/NDF: 8780919.3/74

- sign 658.602+/-0.103 χ^2/NDF: 4265414.2/37



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

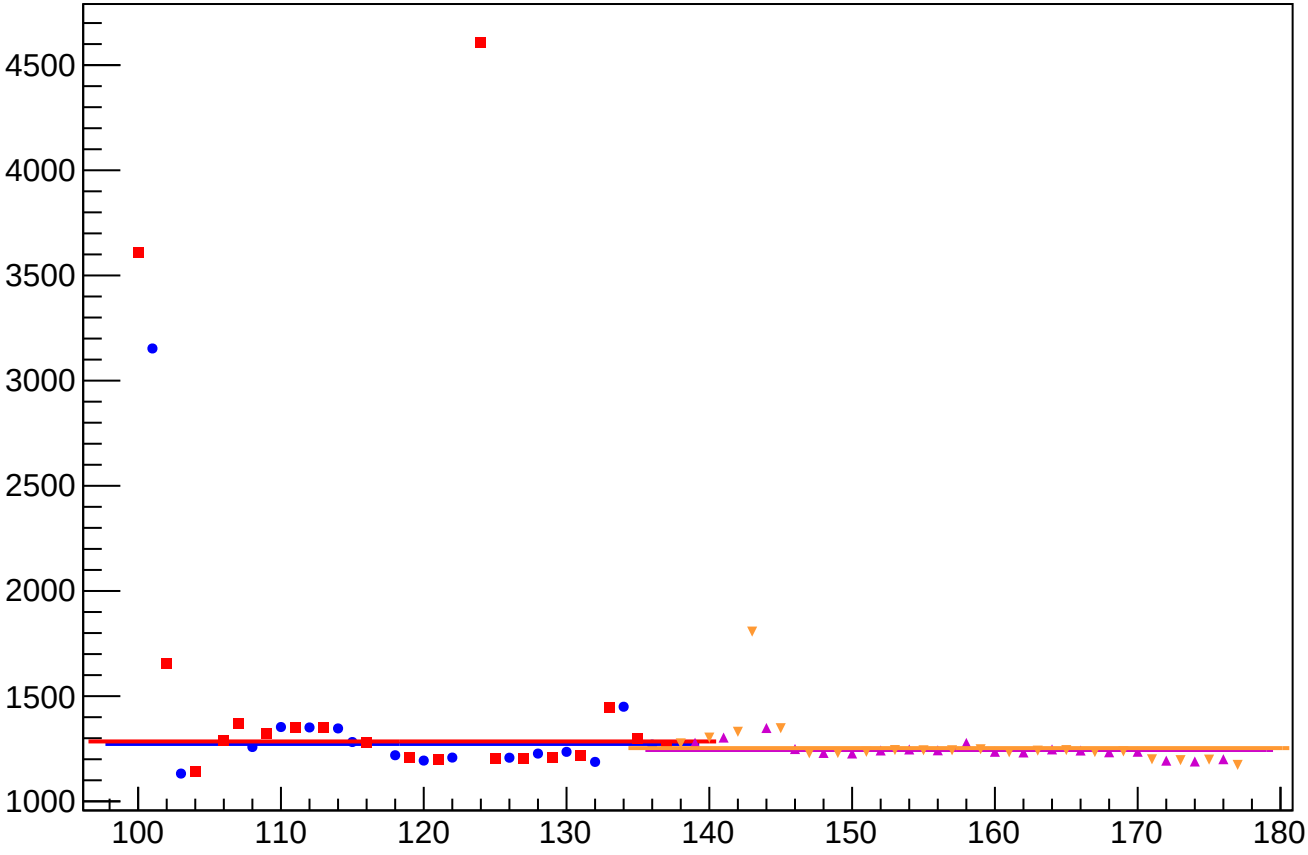
Left In: -1.108+/-315.722 χ^2/NDF:12.2/18

\+ sign 45.810+/-259.394 χ^2/NDF: 42.5/36

All: 89.187+/-185.025 χ^2/NDF: 72.3/74

\- sign 134.117+/-263.997 χ^2/NDF: 29.7/37

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: 1252.983+/-0.218 χ^2/NDF:188394.0/20

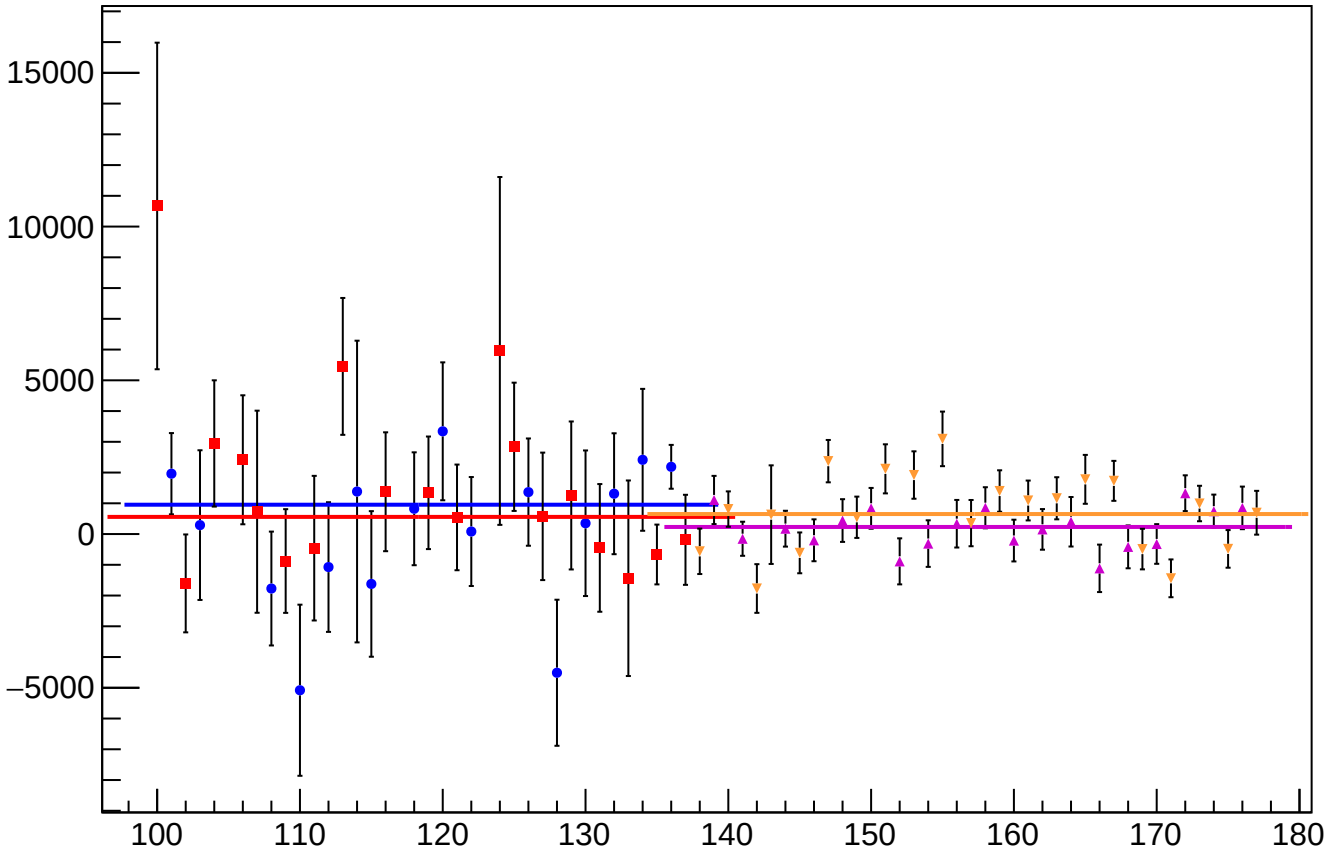
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

+ sign 1258.713+/-0.183 χ^2/NDF: 710093.6/36

All: 1257.540+/-0.131 χ^2/NDF: 1075023.7/74

- sign 1256.325+/-0.187 χ^2/NDF: 364846.8/37



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 650.593+/-152.555 χ^2/NDF:61.2/20

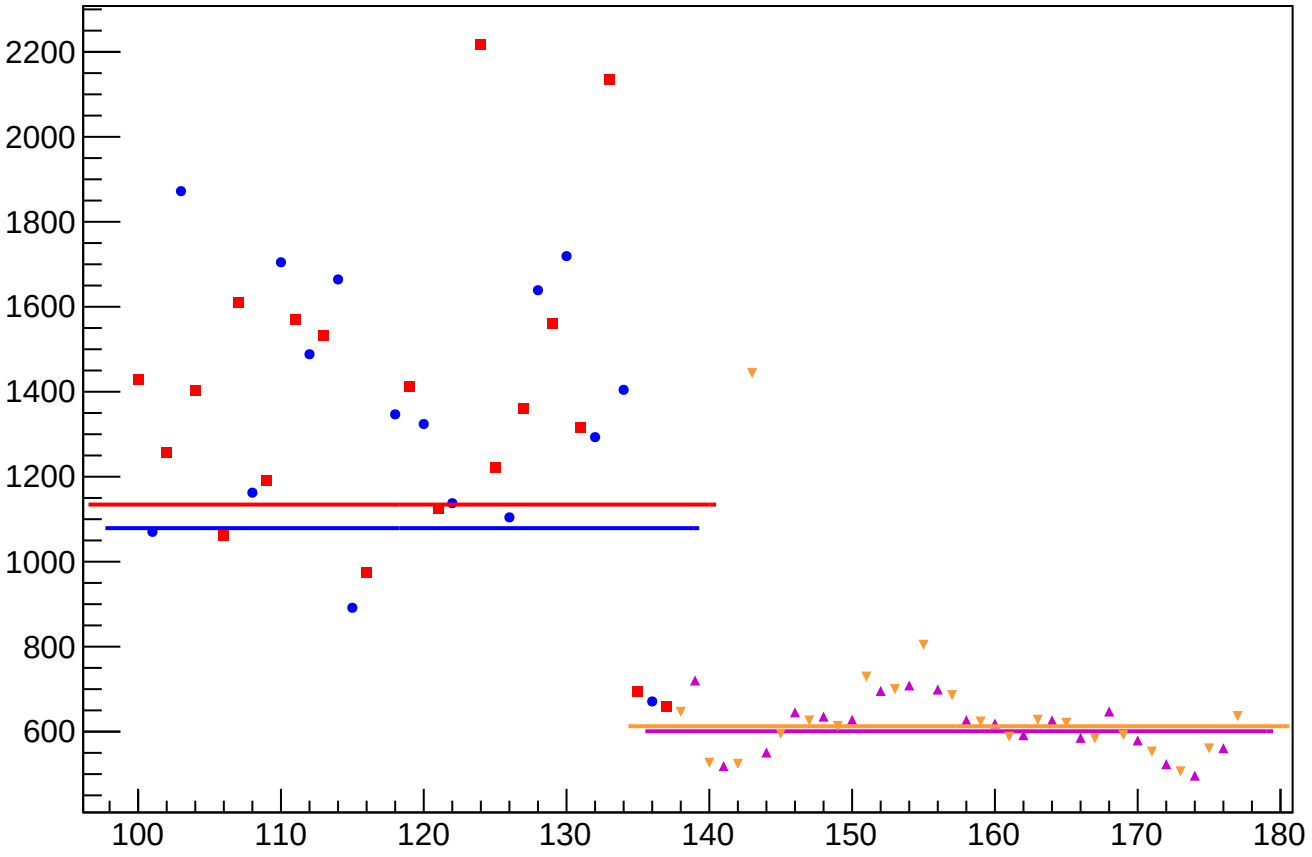
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 230.565+/-153.625 χ^2/NDF:17.1/18

+ sign 685.145+/-143.610 χ^2/NDF: 81.5/36

All: 477.701+/-102.059 χ^2/NDF: 121.7/74

- sign 266.028+/-145.066 χ^2/NDF: 36.0/37



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 612.702+/-0.108 χ^2/NDF:908027.8/20

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

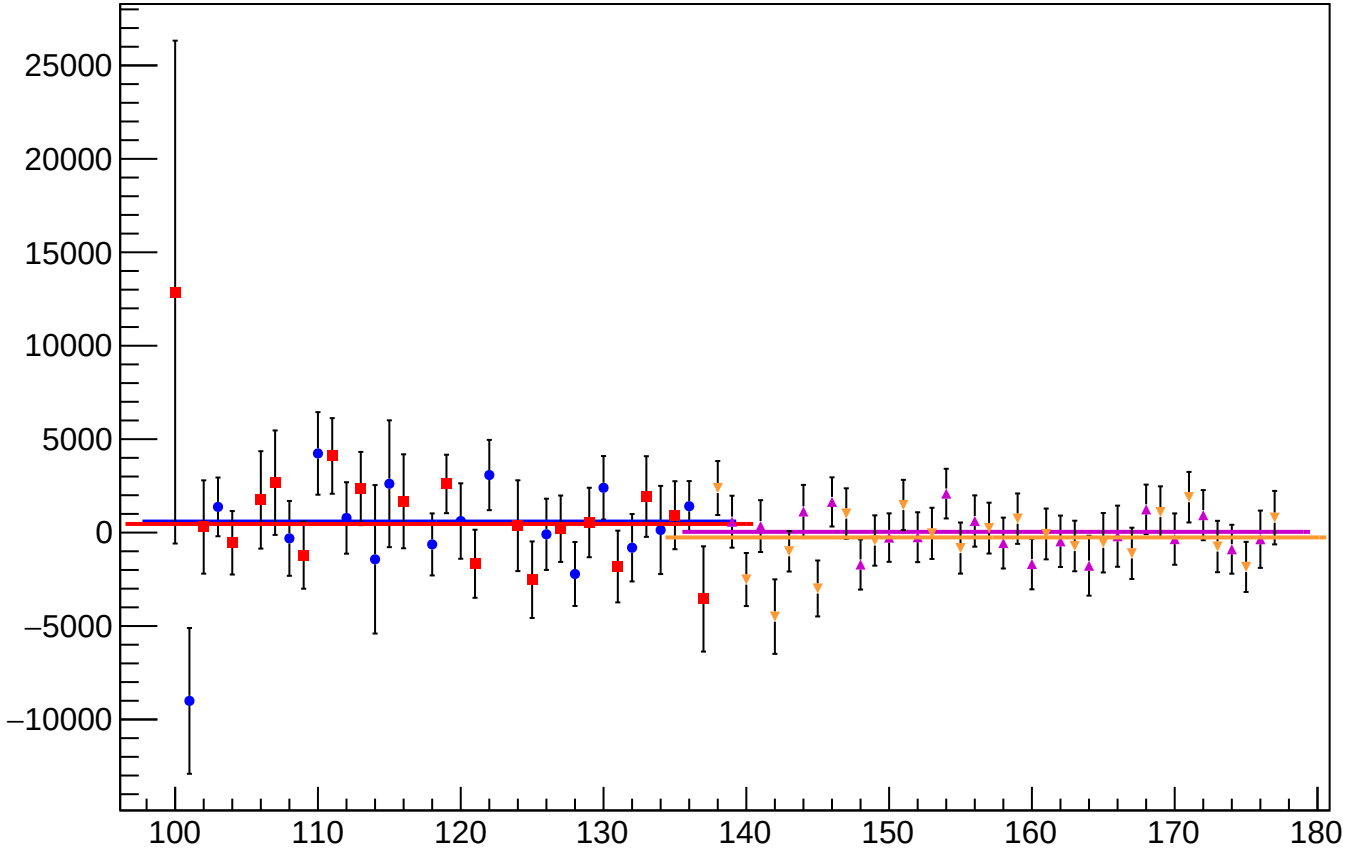
Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

\+ sign 665.771+/-0.102 χ^2/NDF: 4513038.0/36

All: 662.223+/-0.072 χ^2/NDF: 8780919.3/74

\- sign 658.602+/-0.103 χ^2/NDF: 4265414.2/37

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.828+/-301.527 χ^2/NDF:23.8/20

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

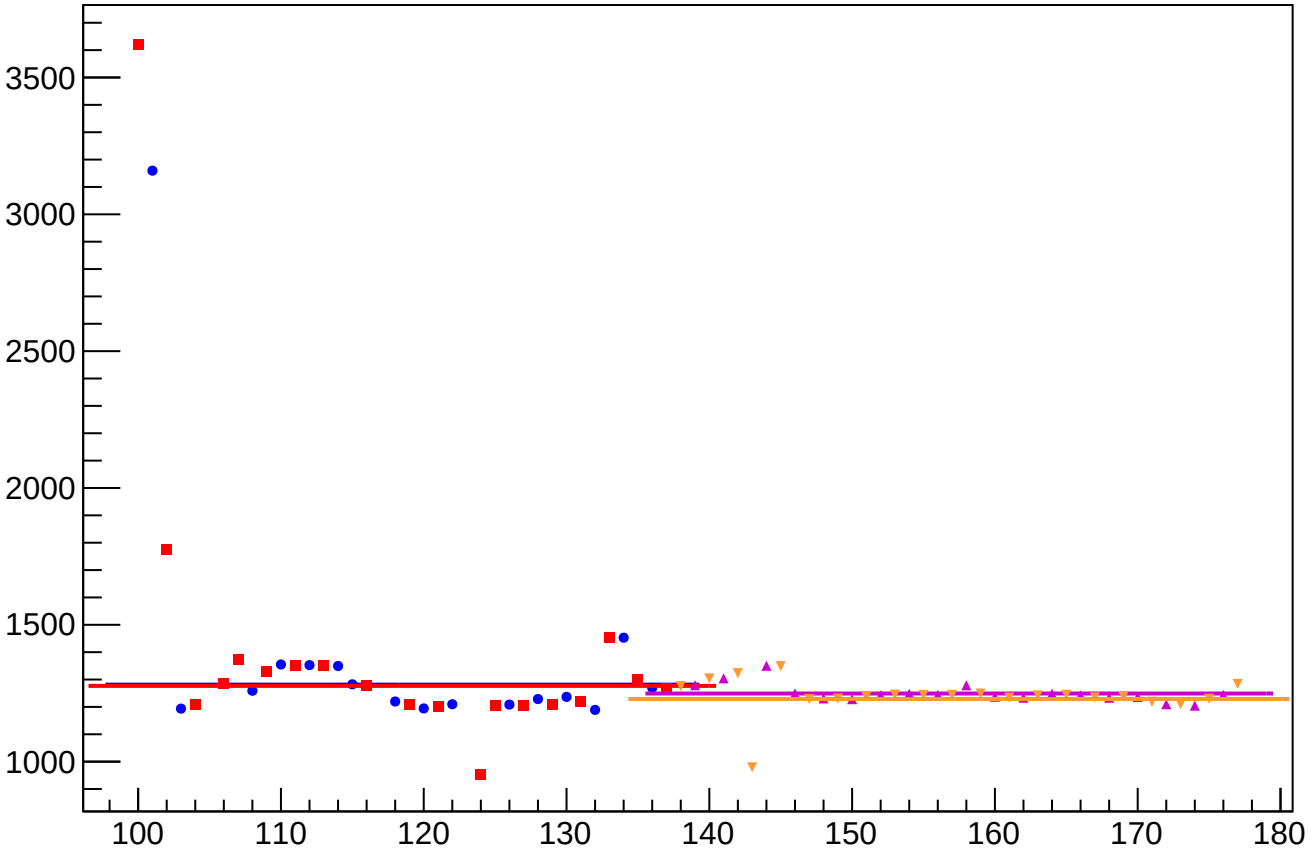
Left In: 39.558+/-316.920 χ^2/NDF:11.8/18

+ sign -22.451+/-256.144 χ^2/NDF: 43.1/36

All: 70.500+/-183.813 χ^2/NDF: 72.4/74

- sign 169.192+/-263.934 χ^2/NDF: 29.0/37

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1228.956+/-0.213 χ^2/NDF:136371.9/20

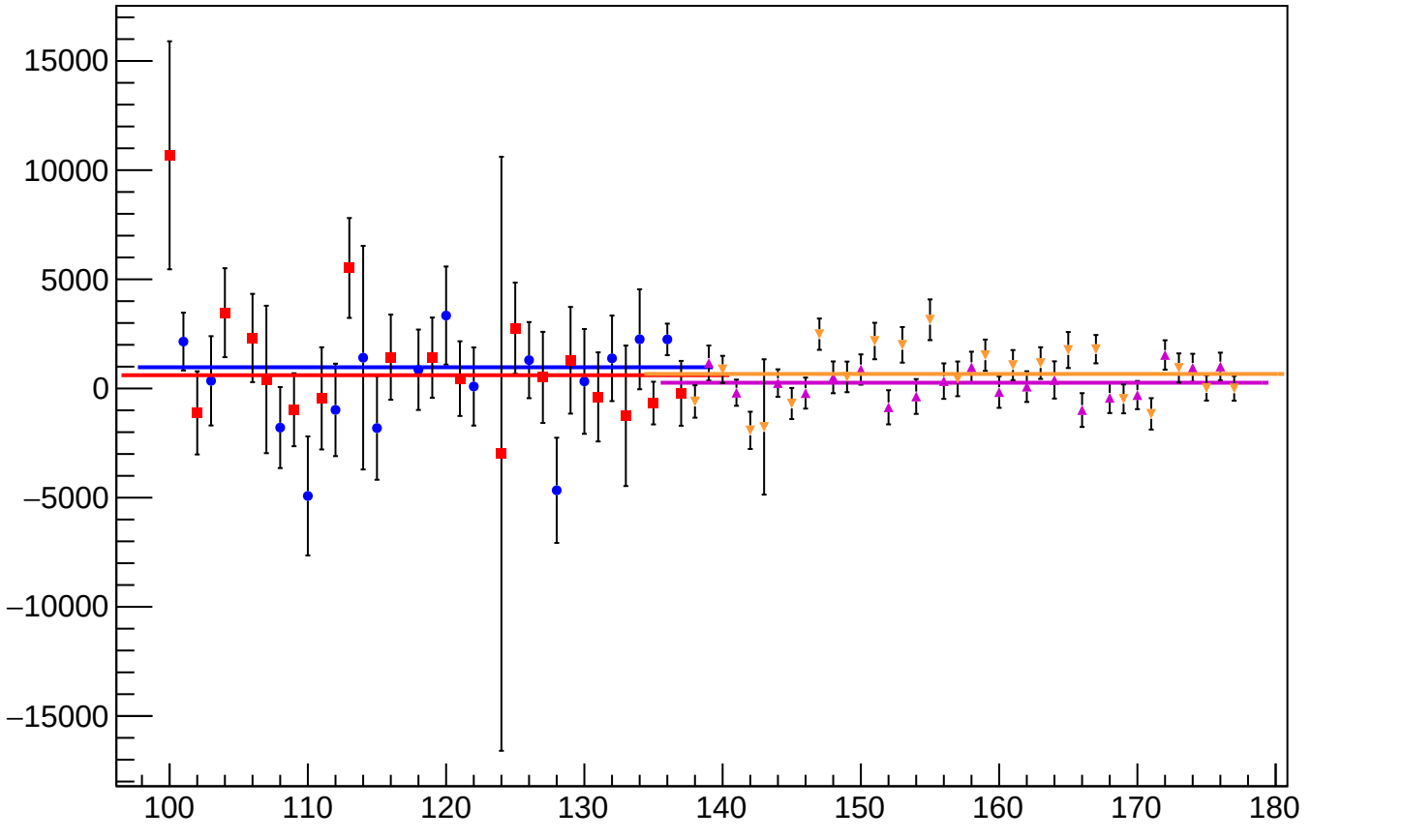
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.7/18

+ sign 1243.546+/-0.181 χ^2/NDF: 660272.4/36

All: 1250.317+/-0.130 χ^2/NDF: 909501.5/74

- sign 1257.507+/-0.187 χ^2/NDF: 246347.2/37



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 665.726+/-158.358 χ^2/NDF:55.2/20

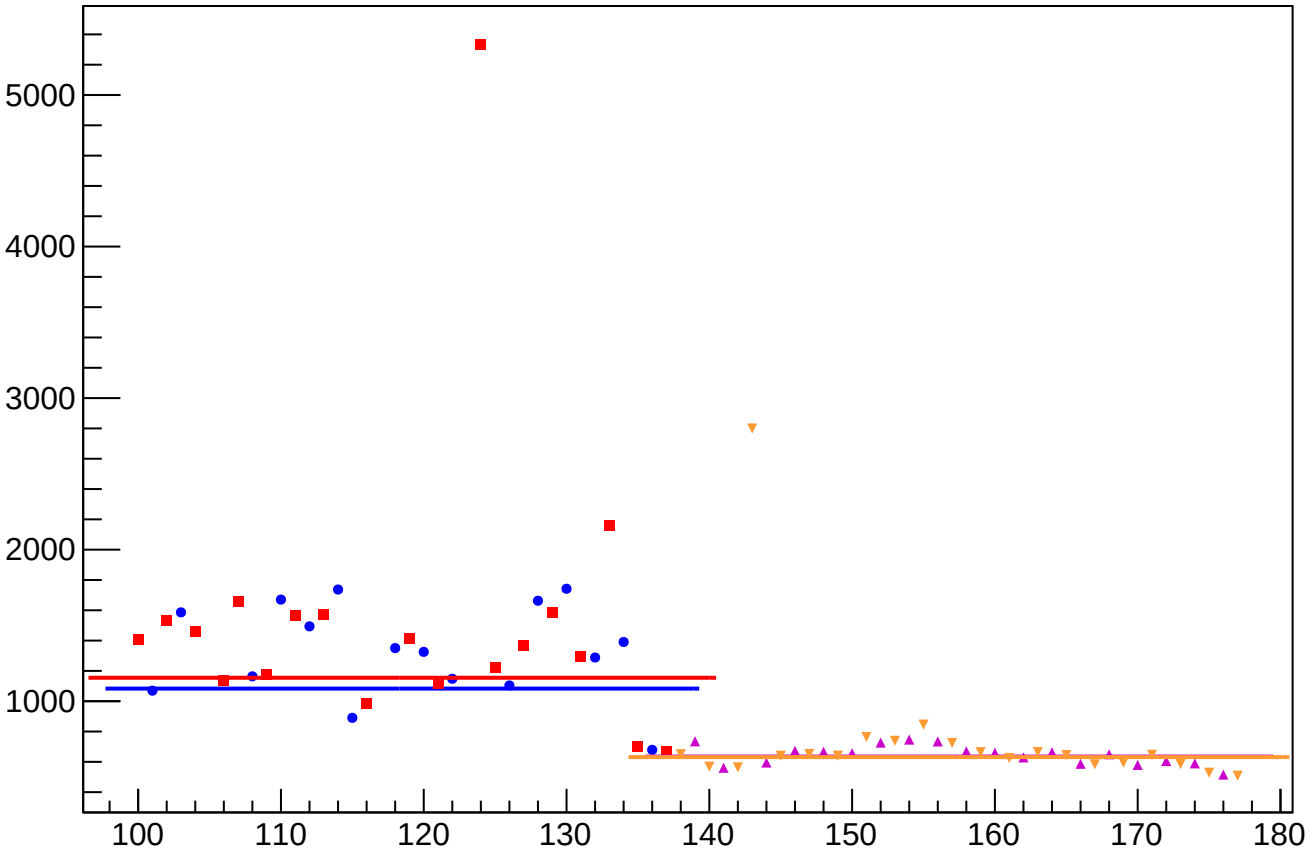
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 263.669+/-162.125 χ^2/NDF:17.7/18

\+ sign 703.065+/-148.401 χ^2/NDF: 76.1/36

All: 508.709+/-106.334 χ^2/NDF: 115.0/74

\- sign 303.633+/-152.439 χ^2/NDF: 35.4/37



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 631.200+/-0.112 χ^2/NDF:1428122.1/20

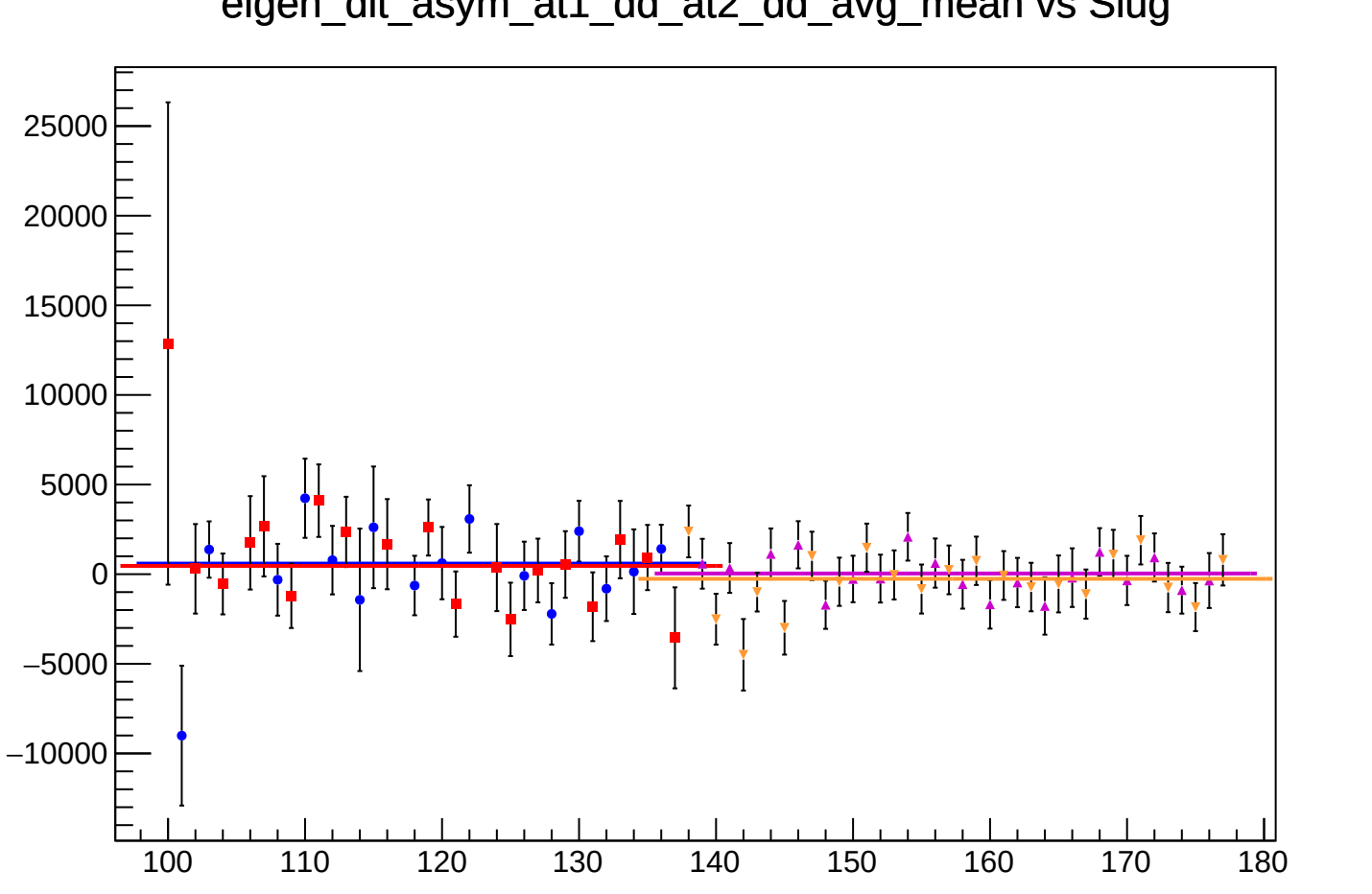
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 634.968+/-0.115 χ^2/NDF:294225.7/18

+ sign 686.270+/-0.105 χ^2/NDF: 4774071.3/36

All: 690.624+/-0.075 χ^2/NDF: 8942907.0/74

- sign 695.217+/-0.108 χ^2/NDF: 4165298.3/37



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.829+/-301.527 χ^2/NDF:23.8/20

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

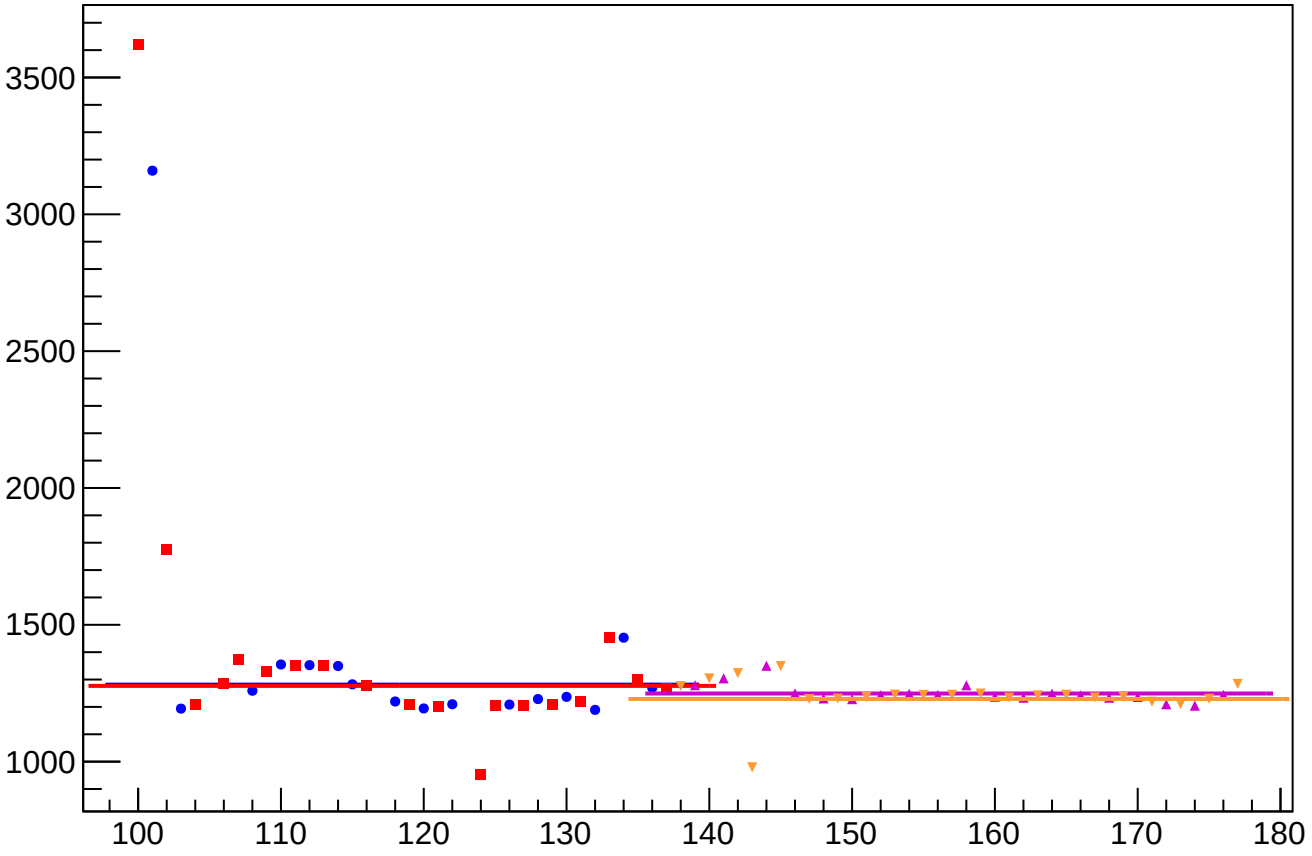
Left In: 39.558+/-316.920 χ^2/NDF:11.8/18

+ sign -22.452+/-256.144 χ^2/NDF: 43.1/36

All: 70.499+/-183.813 χ^2/NDF: 72.4/74

- sign 169.191+/-263.934 χ^2/NDF: 29.0/37

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: 1228.956+/-0.213 χ^2/NDF:136371.2/20

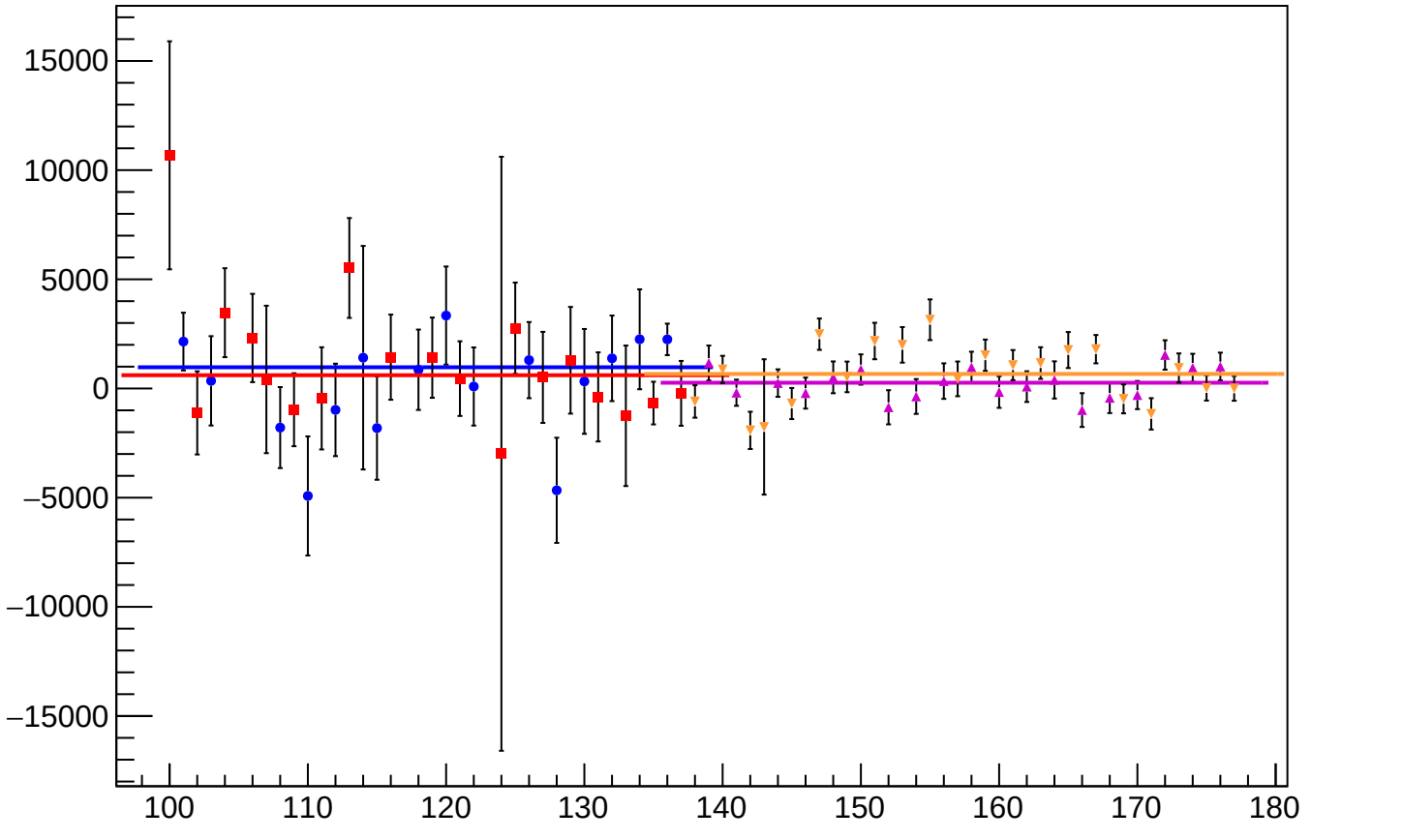
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.8/18

+ sign 1243.546+/-0.181 χ^2/NDF: 660271.7/36

All: 1250.317+/-0.130 χ^2/NDF: 909500.8/74

- sign 1257.507+/-0.187 χ^2/NDF: 246347.1/37



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 665.726+/-158.358 χ^2/NDF:55.2/20

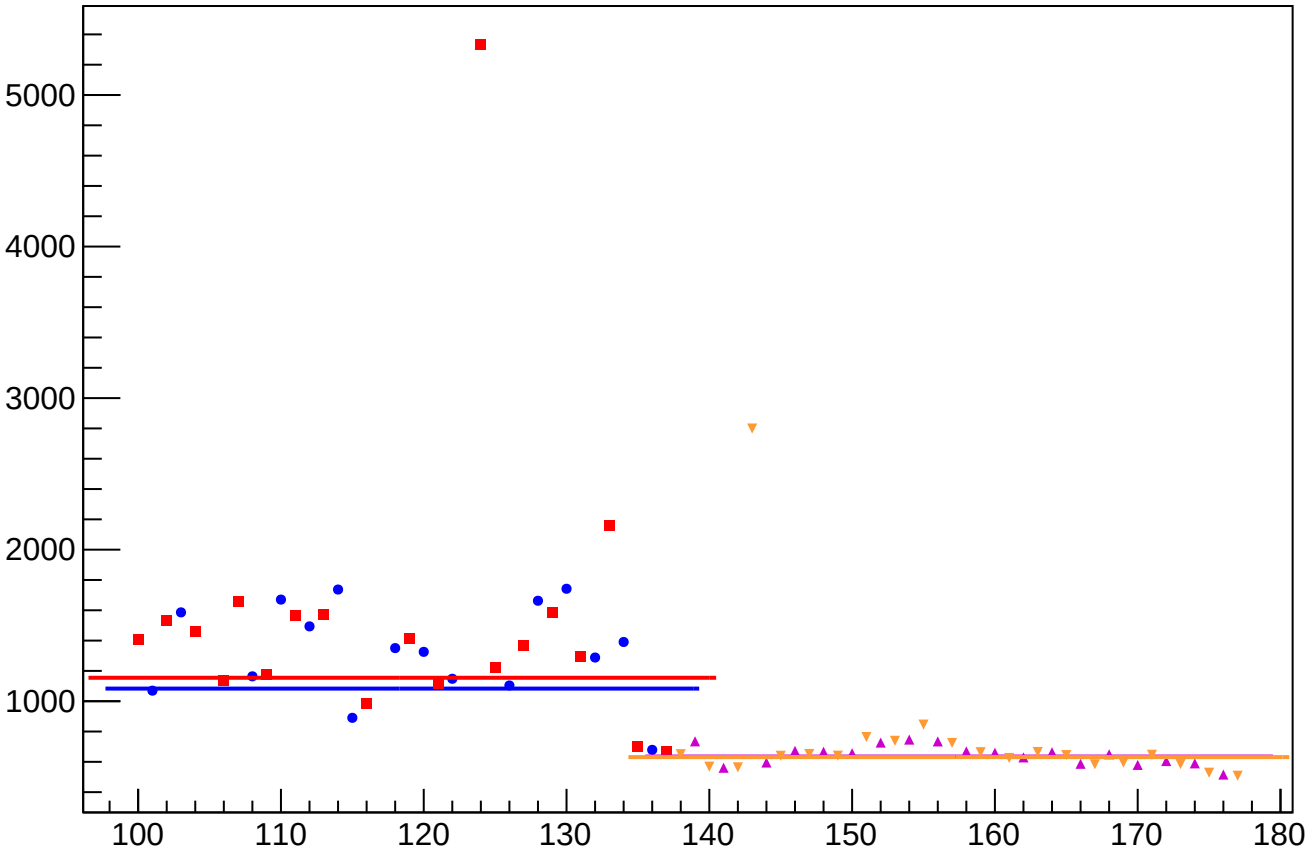
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 263.668+/-162.125 χ^2/NDF:17.7/18

\+ sign 703.065+/-148.401 χ^2/NDF: 76.1/36

All: 508.709+/-106.334 χ^2/NDF: 115.0/74

\- sign 303.633+/-152.439 χ^2/NDF: 35.4/37



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 631.200+/-0.112 χ^2/NDF:1428118.6/20

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

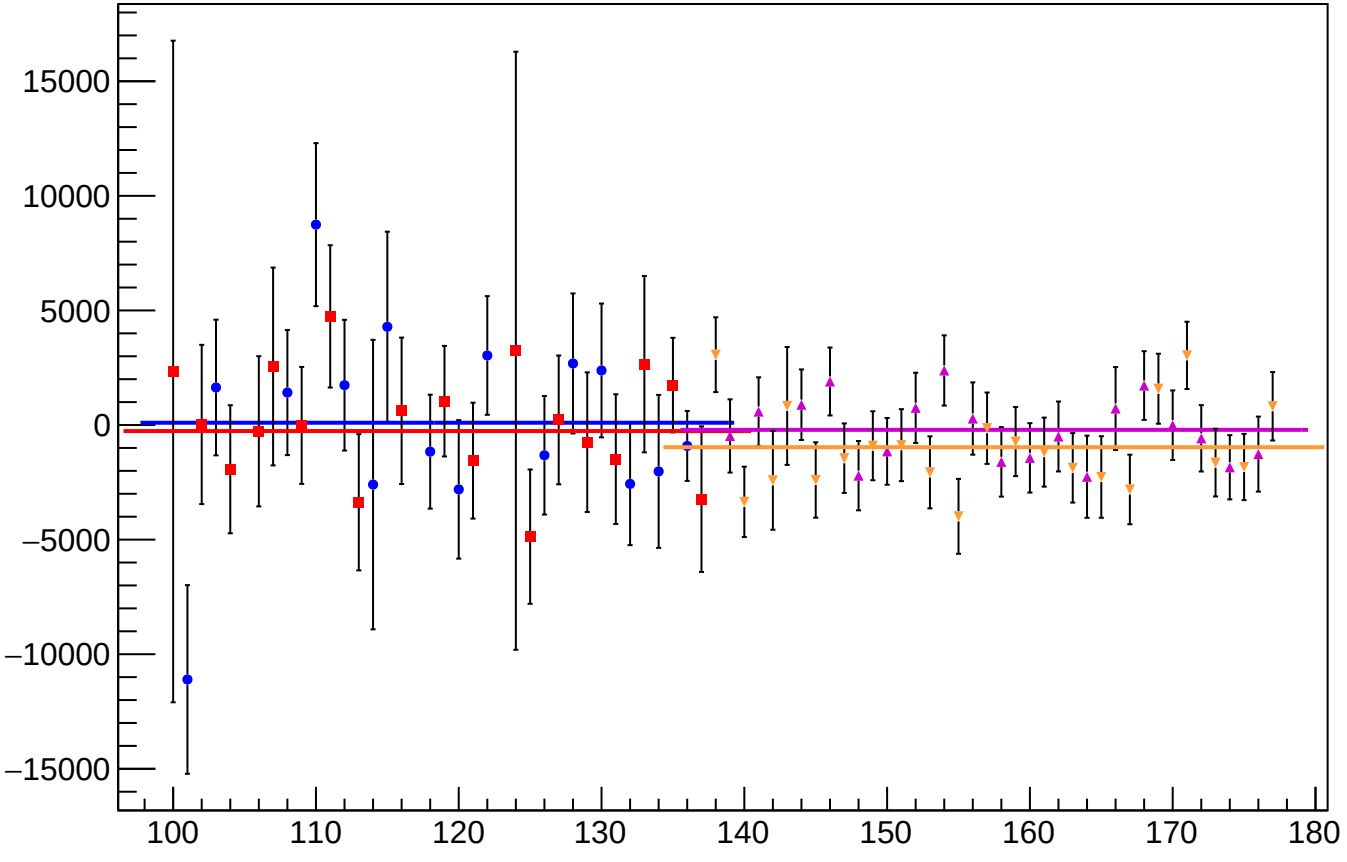
Left In: 634.967+/-0.115 χ^2/NDF:294228.9/18

+ sign 686.270+/-0.105 χ^2/NDF: 4774053.7/36

All: 690.624+/-0.075 χ^2/NDF: 8942893.9/74

- sign 695.217+/-0.108 χ^2/NDF: 4165303.1/37

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -966.800+/-345.996 χ^2/NDF:29.2/20

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

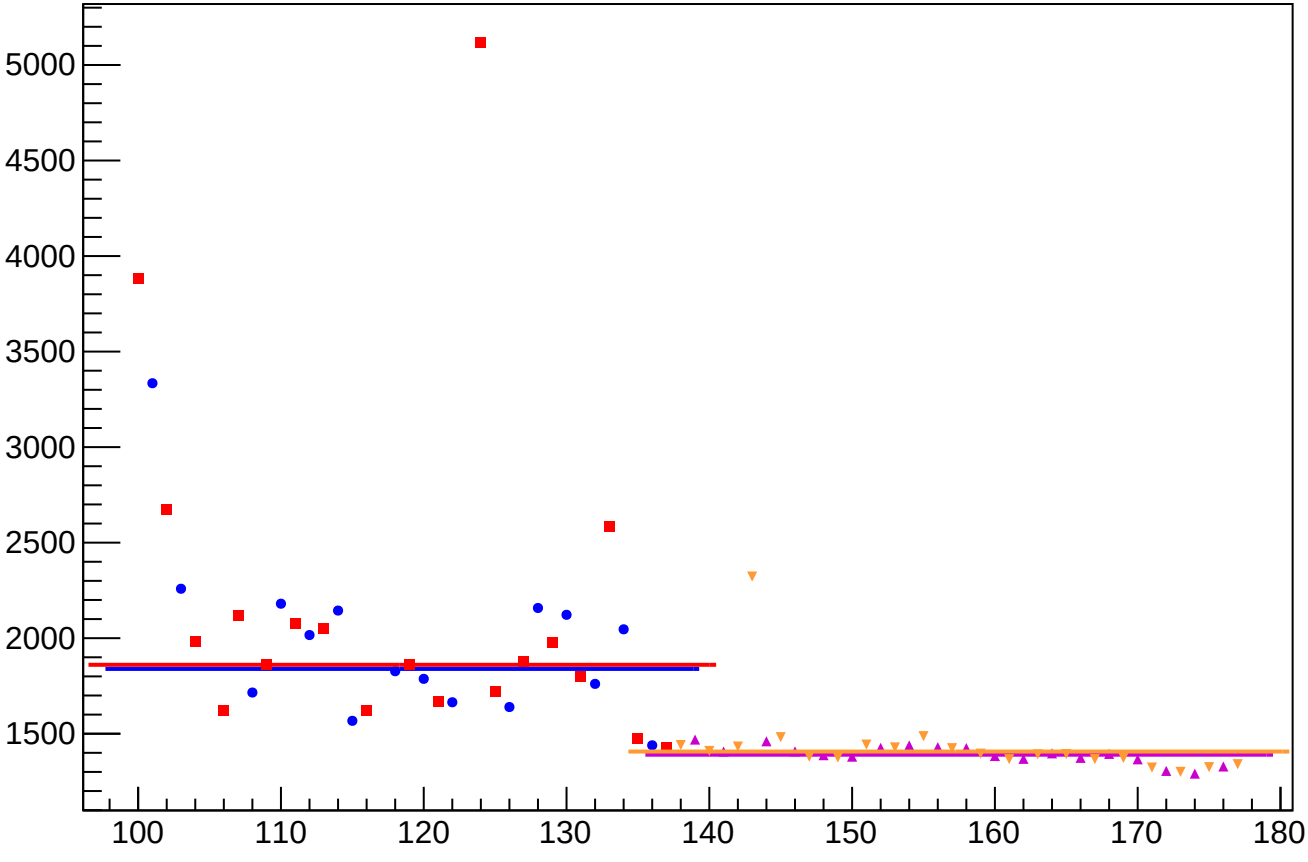
Left In: -210.020+/-352.862 χ^2/NDF:15.0/18

+ sign -756.762+/-310.086 χ^2/NDF: 52.3/36

All: -493.006+/-221.004 χ^2/NDF: 79.1/74

- sign -220.707+/-315.068 χ^2/NDF: 25.3/37

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1406.670+/-0.245 χ^2/NDF:298275.4/20

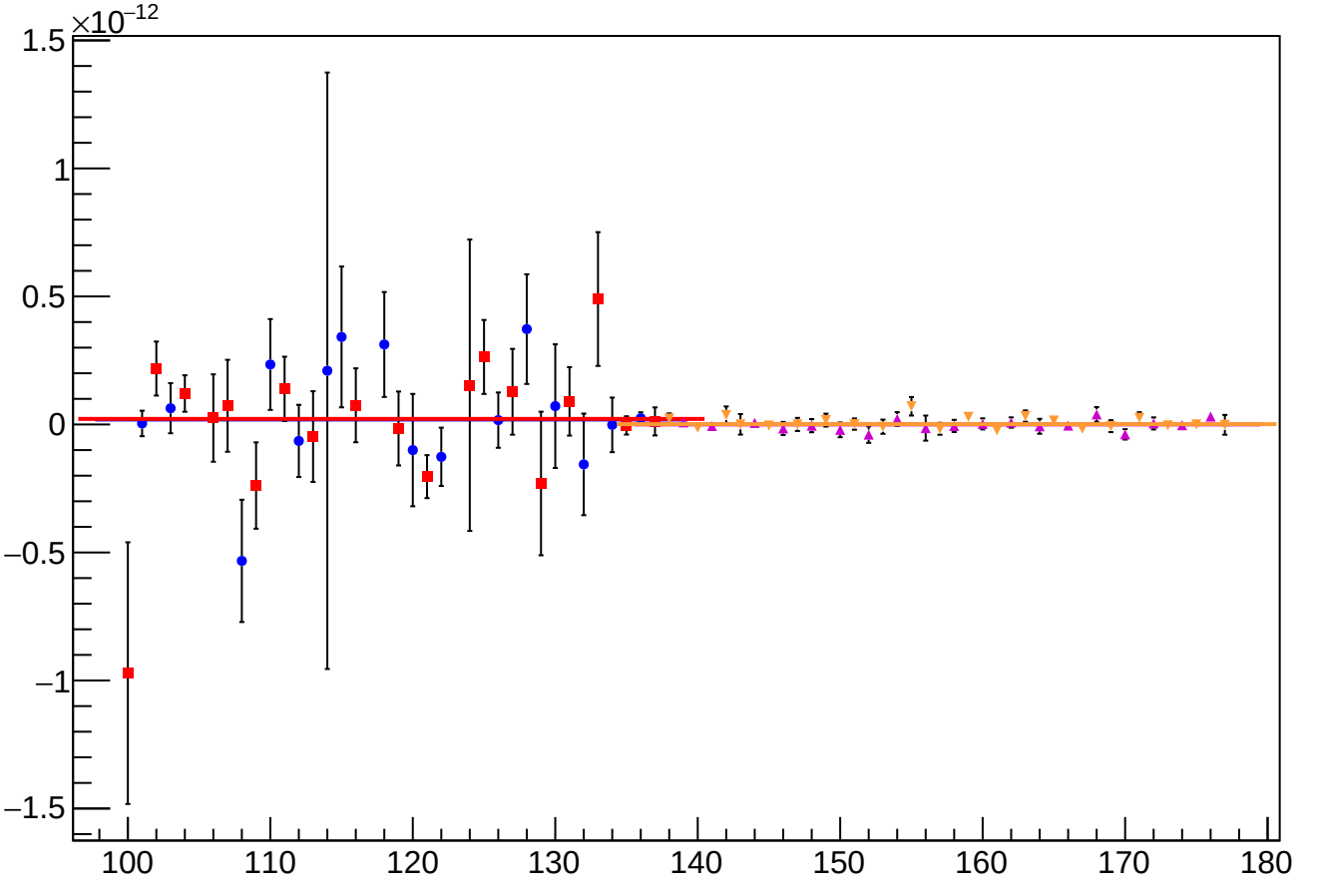
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1390.175+/-0.250 χ^2/NDF:35958.2/18

+ sign 1491.776+/-0.219 χ^2/NDF: 1469863.2/36

All: 1488.730+/-0.156 χ^2/NDF: 2749510.4/74

- sign 1485.585+/-0.223 χ^2/NDF: 1279254.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/20

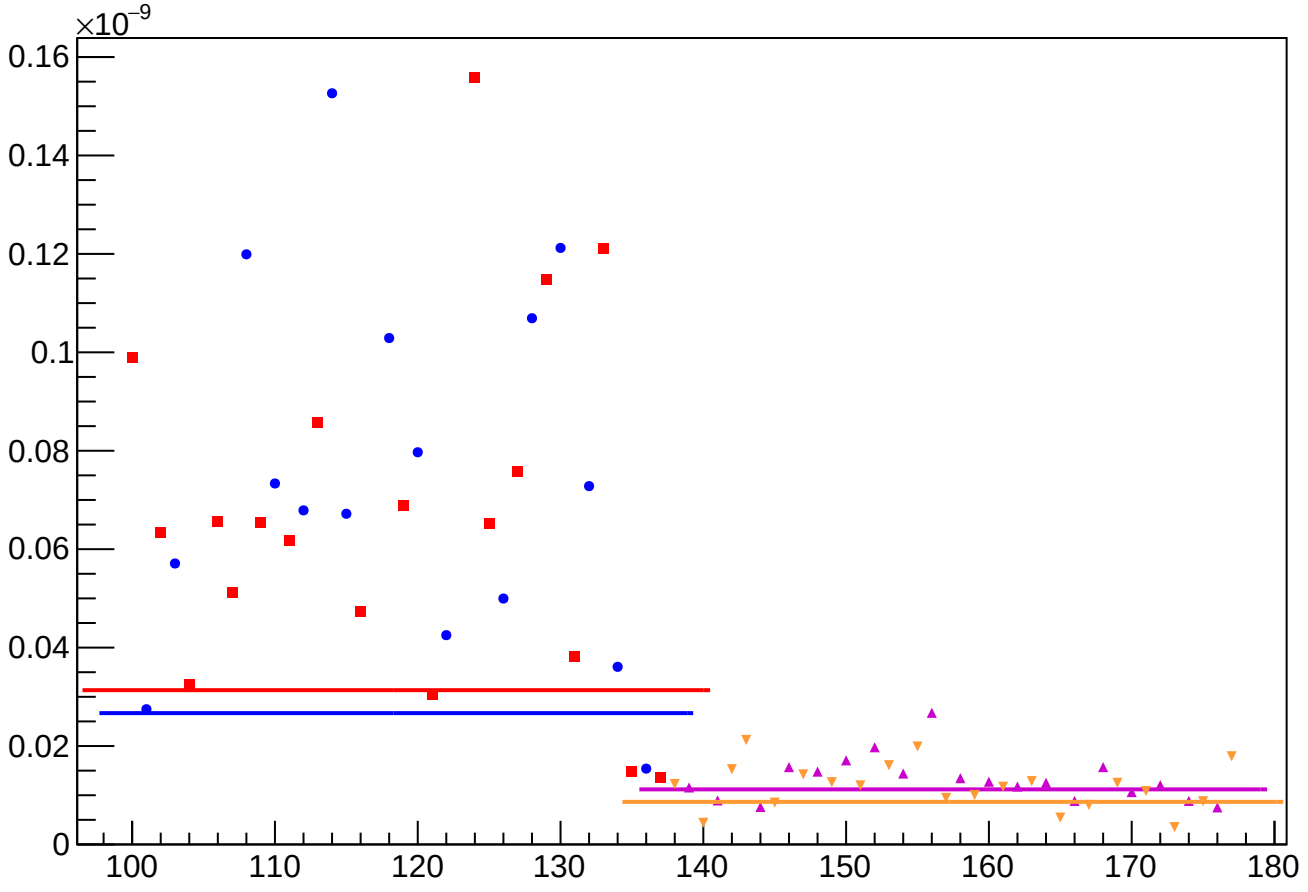
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/36

All: 0.000+/-0.000 χ^2/NDF: 77.8/74

- sign 0.000+/-0.000 χ^2/NDF: 41.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2114148.2/20

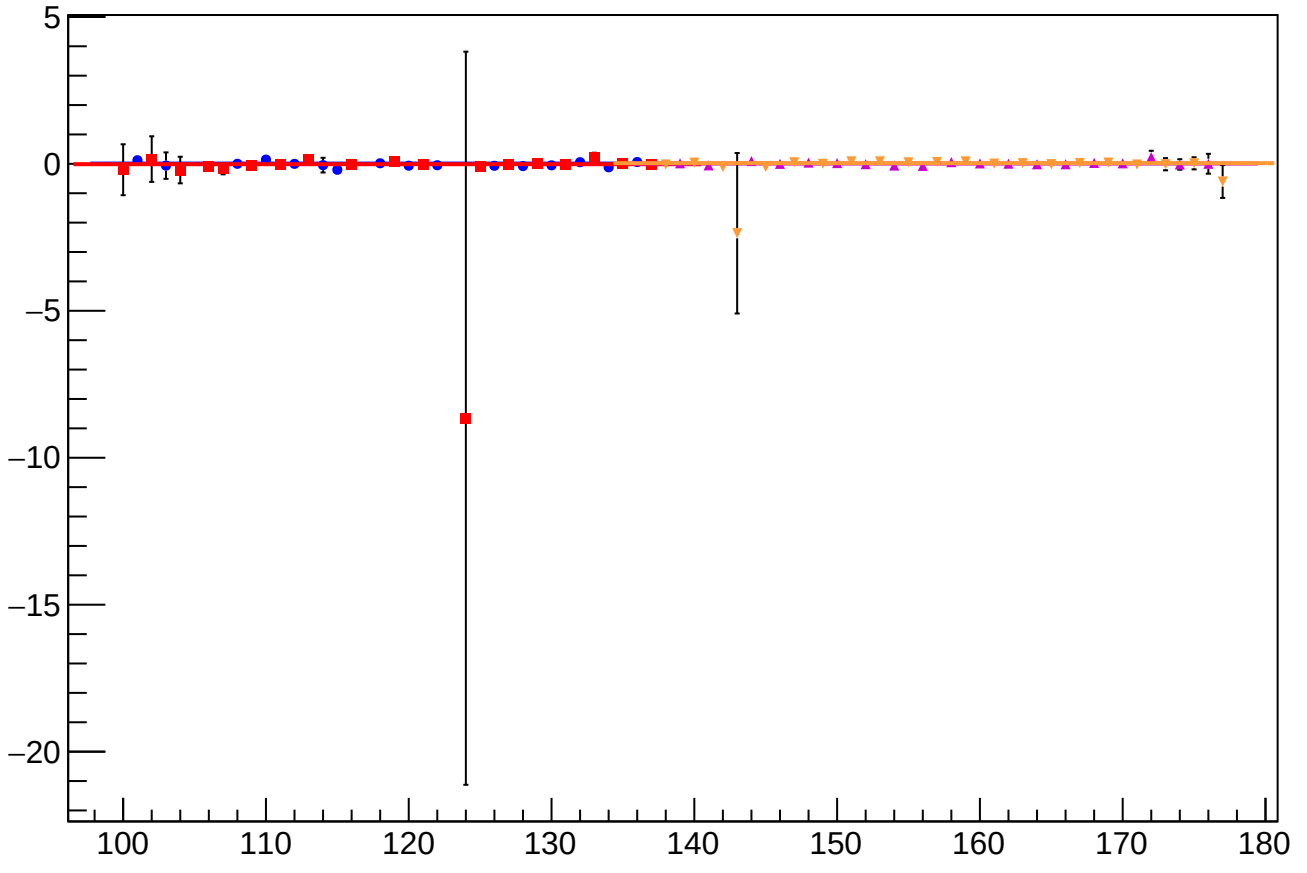
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988234.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 6452614.2/36

All: 0.000+/-0.000 χ^2/NDF: 11648827.5/74

- sign 0.000+/-0.000 χ^2/NDF: 4823174.8/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

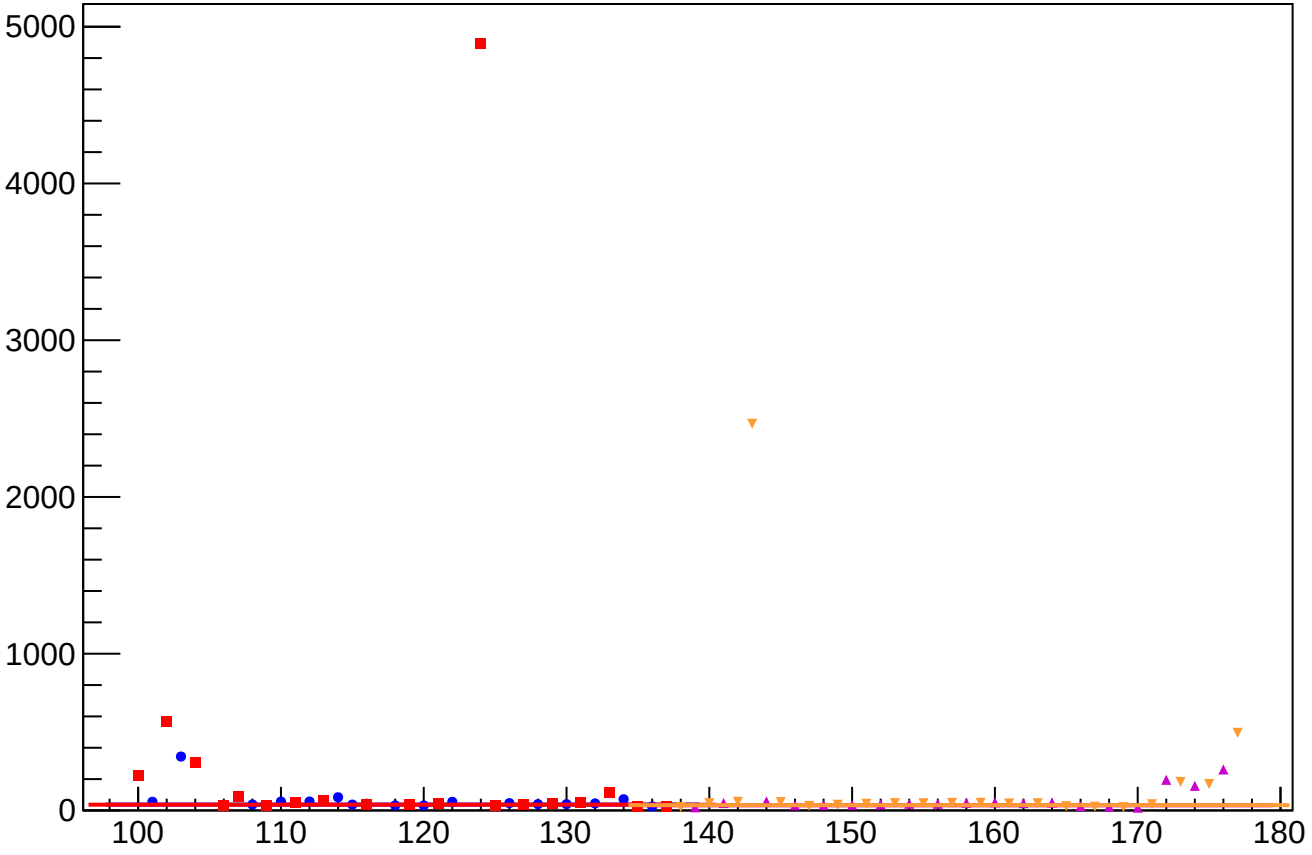
Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.4/74

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37

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: 33.822+/-0.007 χ^2/NDF:7220370.2/20

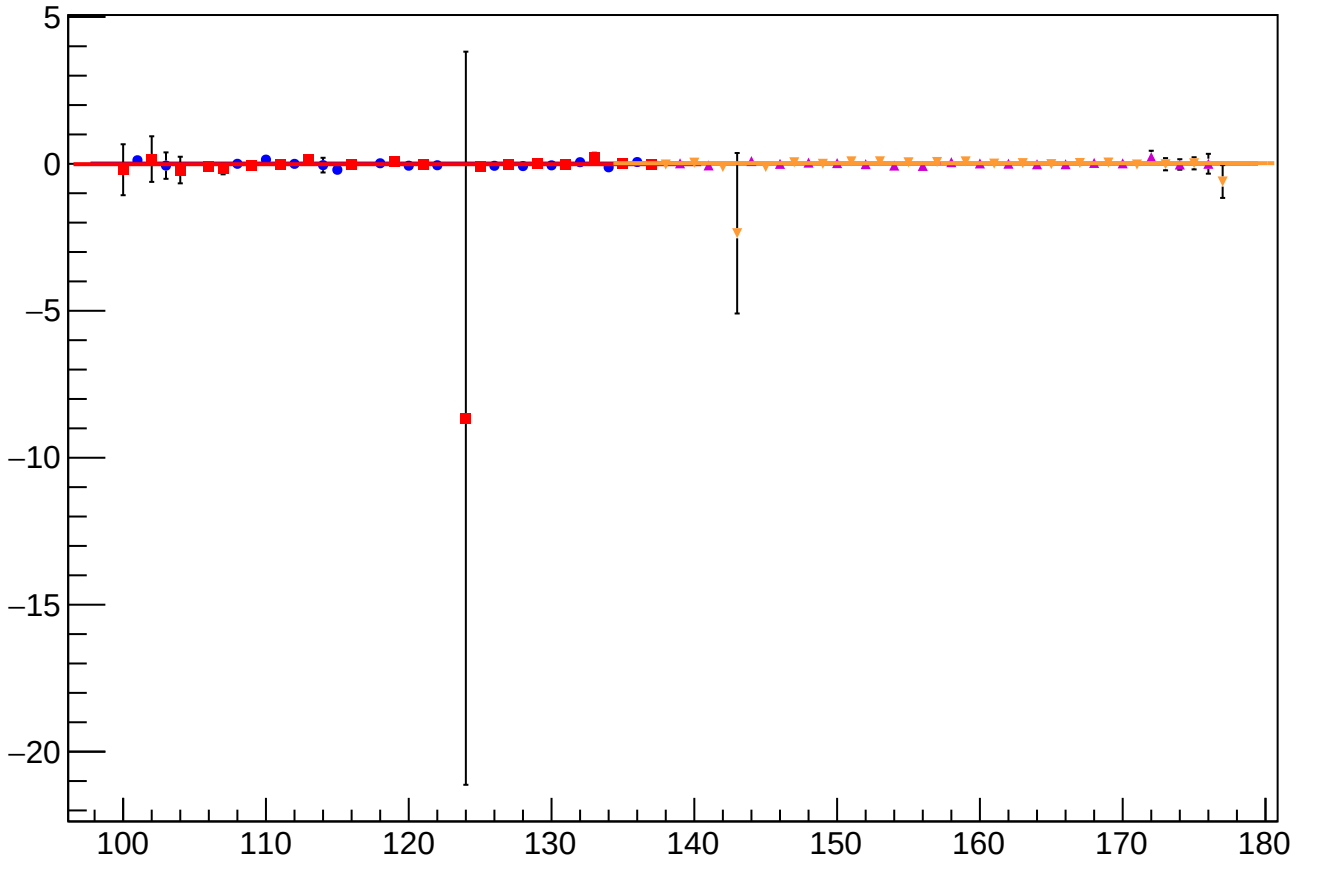
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

\+ sign 34.879+/-0.006 χ^2/NDF: 9277964.0/36

All: 34.365+/-0.004 χ^2/NDF: 18298972.6/74

\- sign 33.861+/-0.006 χ^2/NDF: 9006948.8/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

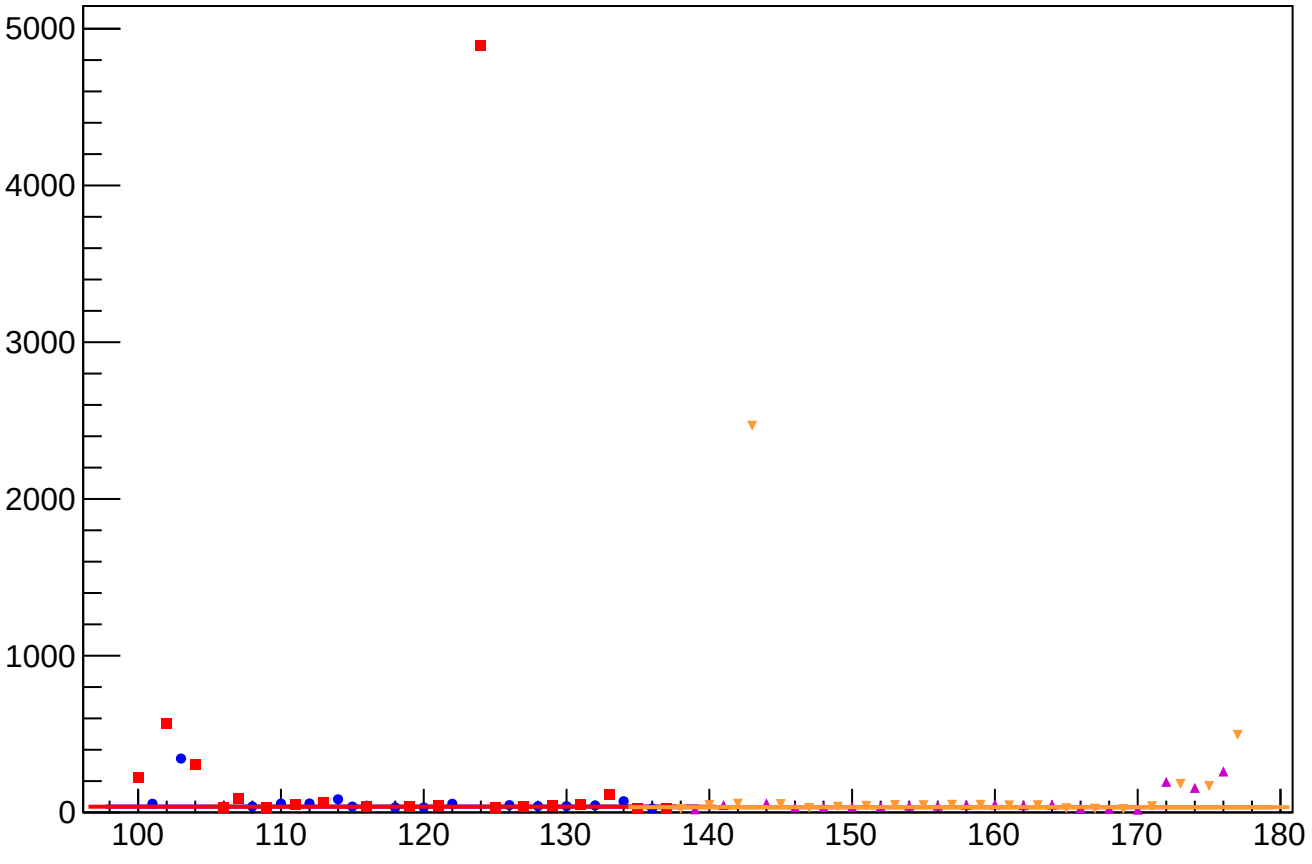
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.4/74

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.822+/-0.007 χ^2/NDF:7220370.2/20

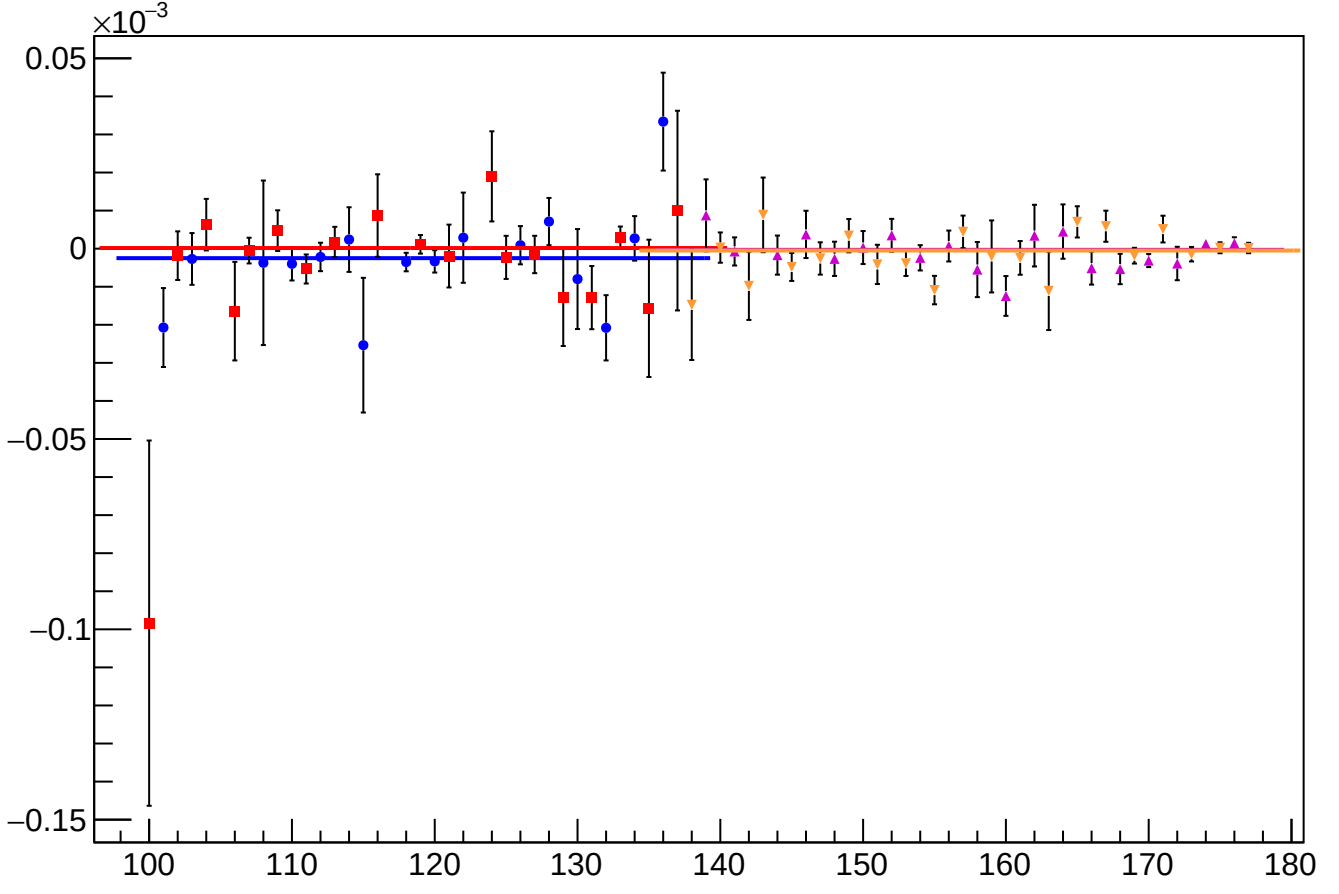
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

\+ sign 34.879+/-0.006 χ^2/NDF: 9277964.0/36

All: 34.365+/-0.004 χ^2/NDF: 18298972.6/74

\- sign 33.861+/-0.006 χ^2/NDF: 9006948.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/20

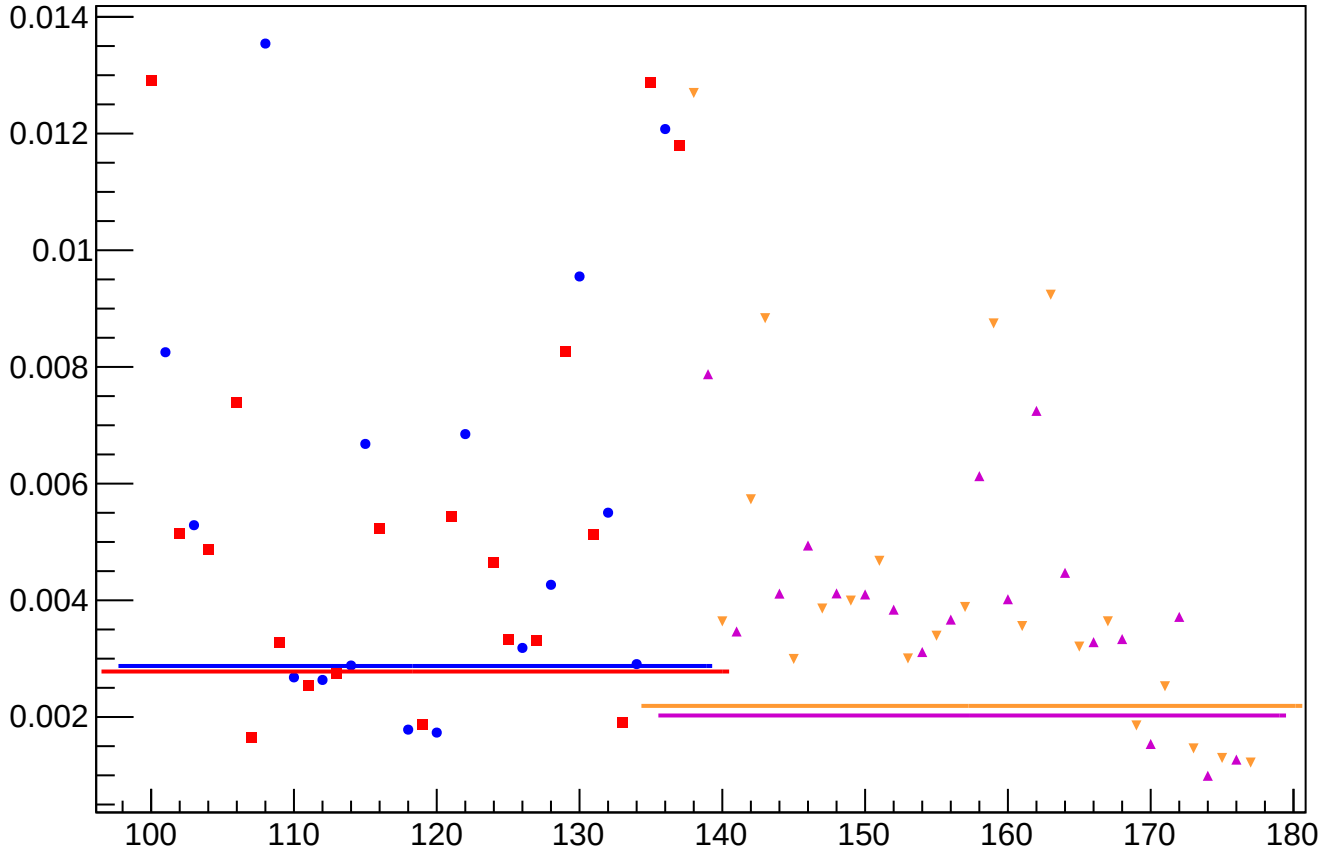
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:18.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/36

All: -0.000+/-0.000 χ^2/NDF: 89.1/74

- sign -0.000+/-0.000 χ^2/NDF: 37.9/37



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9009808.0/20

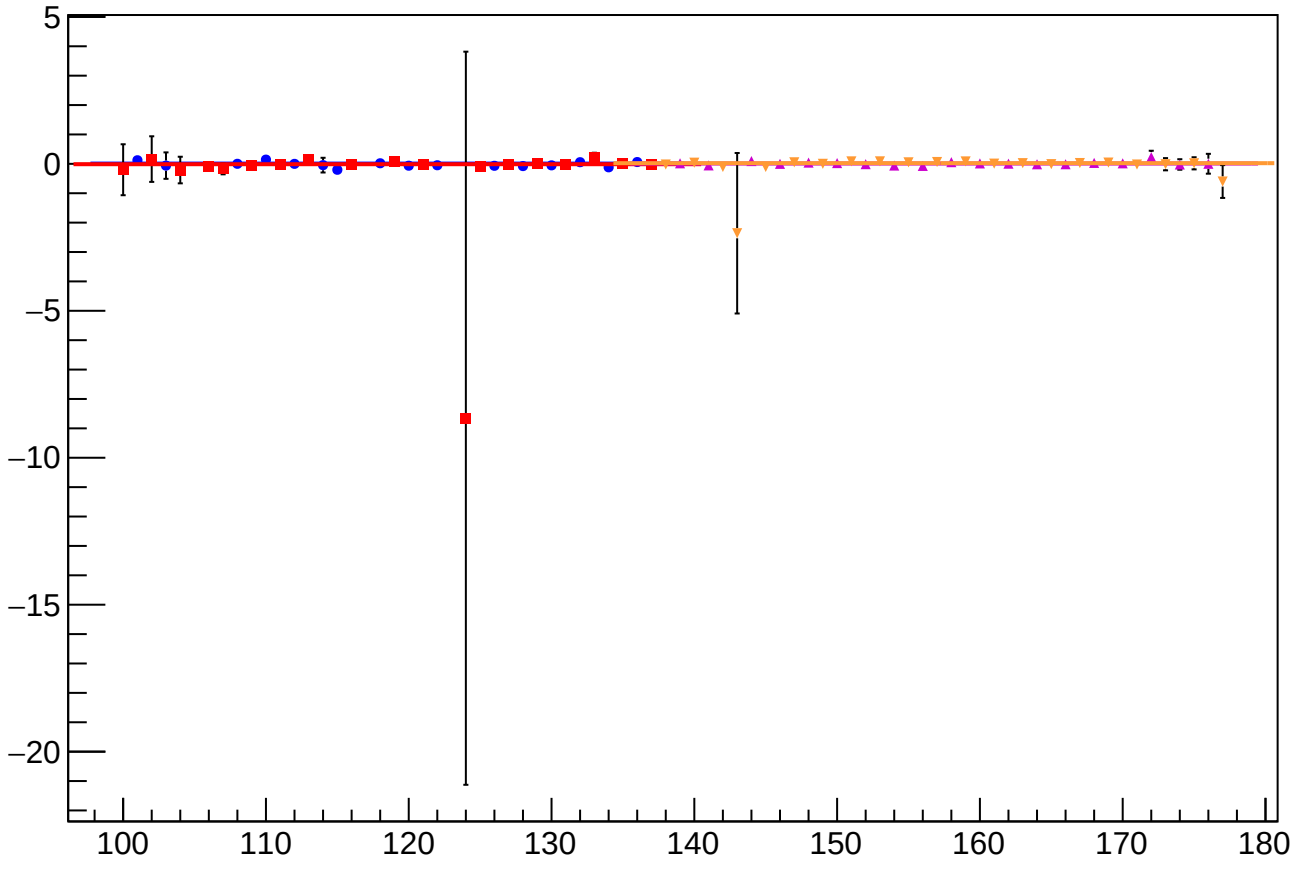
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8752658.2/18

+ sign 0.002+/-0.000 χ^2/NDF: 13601042.2/36

All: 0.002+/-0.000 χ^2/NDF: 26336771.2/74

- sign 0.002+/-0.000 χ^2/NDF: 12691567.0/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

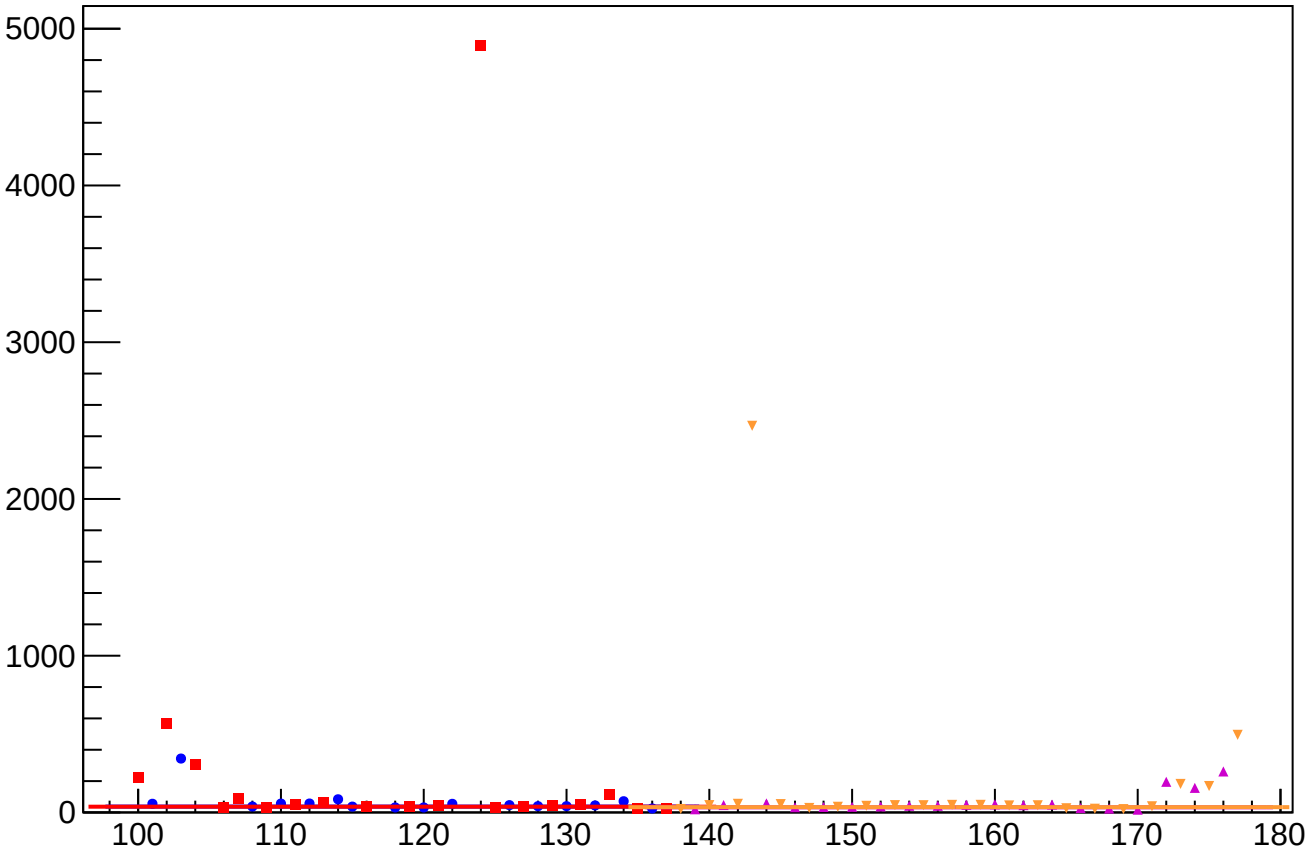
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.4/74

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

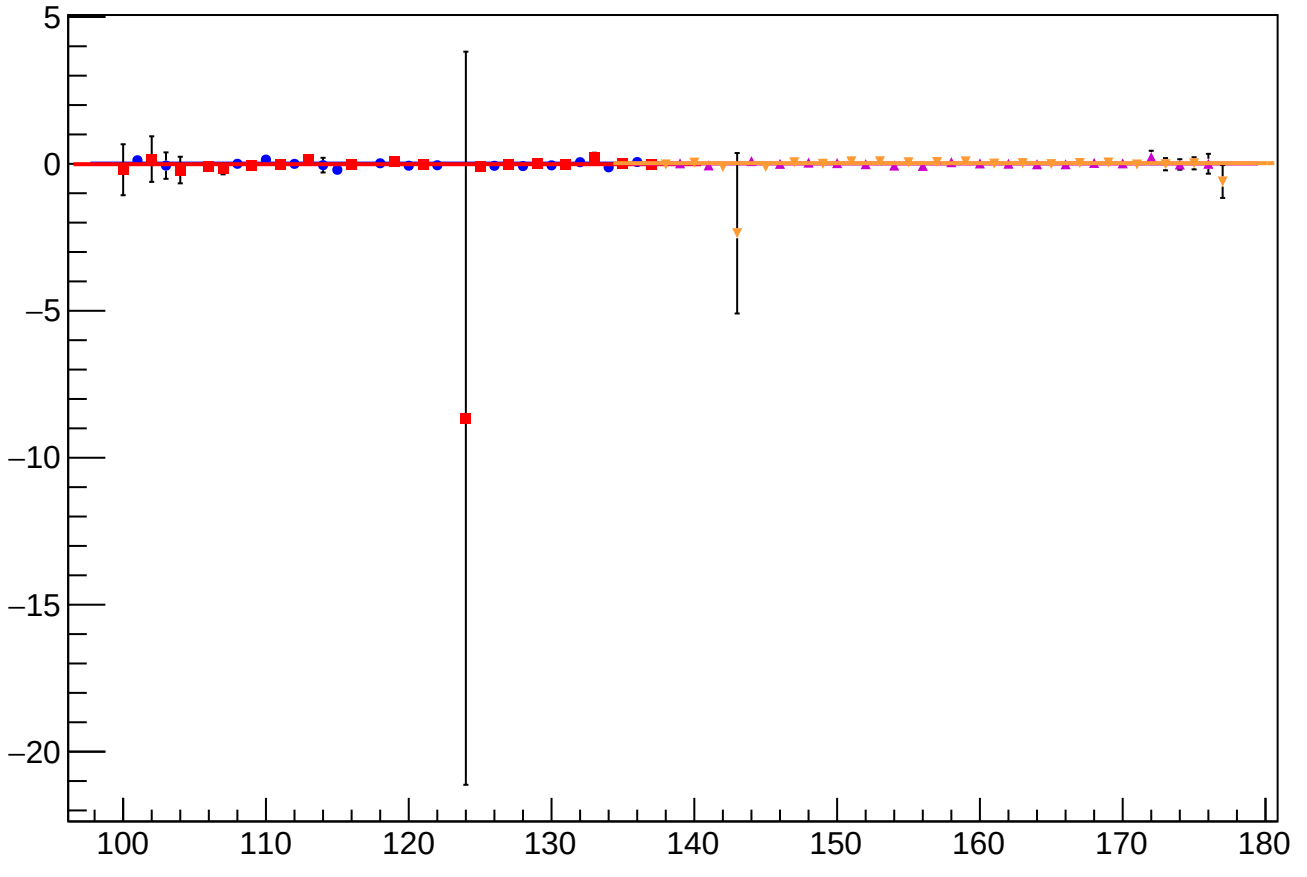
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

+ sign 34.878+/-0.006 χ^2/NDF: 9278043.3/36

All: 34.366+/-0.004 χ^2/NDF: 18297450.7/74

- sign 33.863+/-0.006 χ^2/NDF: 9005421.4/37



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.4/20

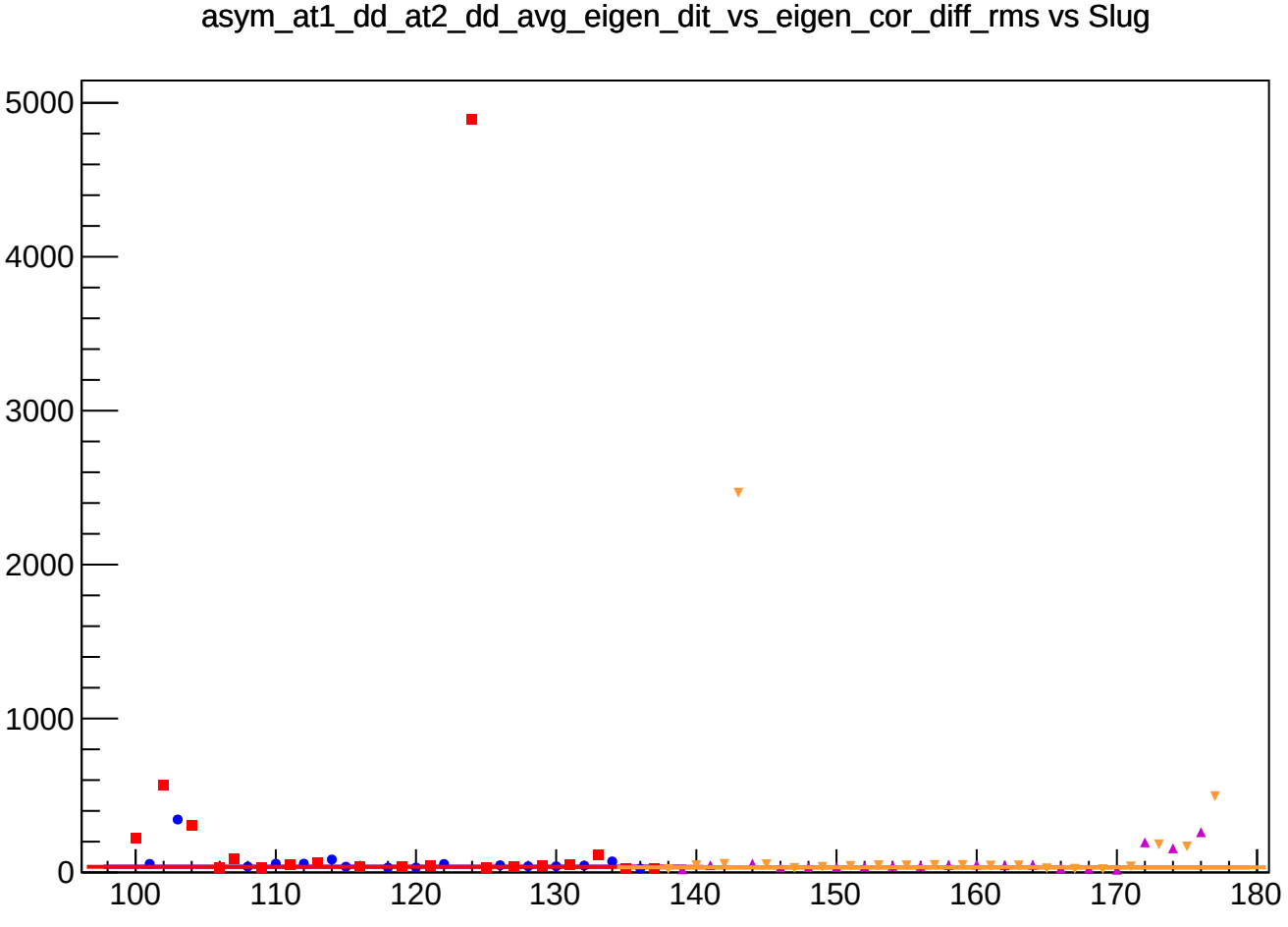
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:11.9/18

+ sign 0.018+/-0.009 χ^2/NDF: 39.2/36

All: 0.011+/-0.006 χ^2/NDF: 66.4/74

- sign 0.004+/-0.009 χ^2/NDF: 25.9/37



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

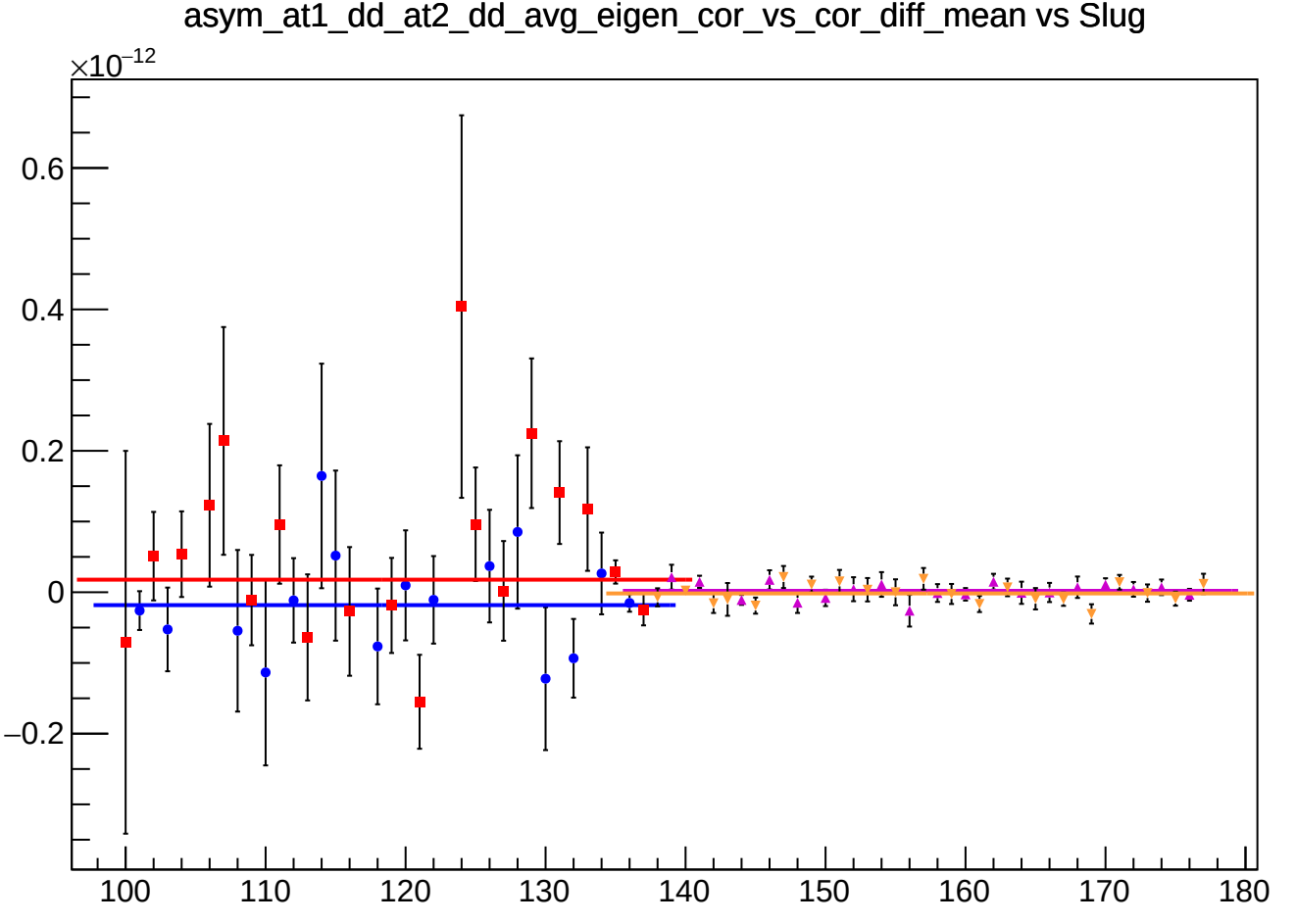
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

+ sign 34.878+/-0.006 χ^2/NDF: 9278043.3/36

All: 34.366+/-0.004 χ^2/NDF: 18297450.7/74

- sign 33.863+/-0.006 χ^2/NDF: 9005421.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/20

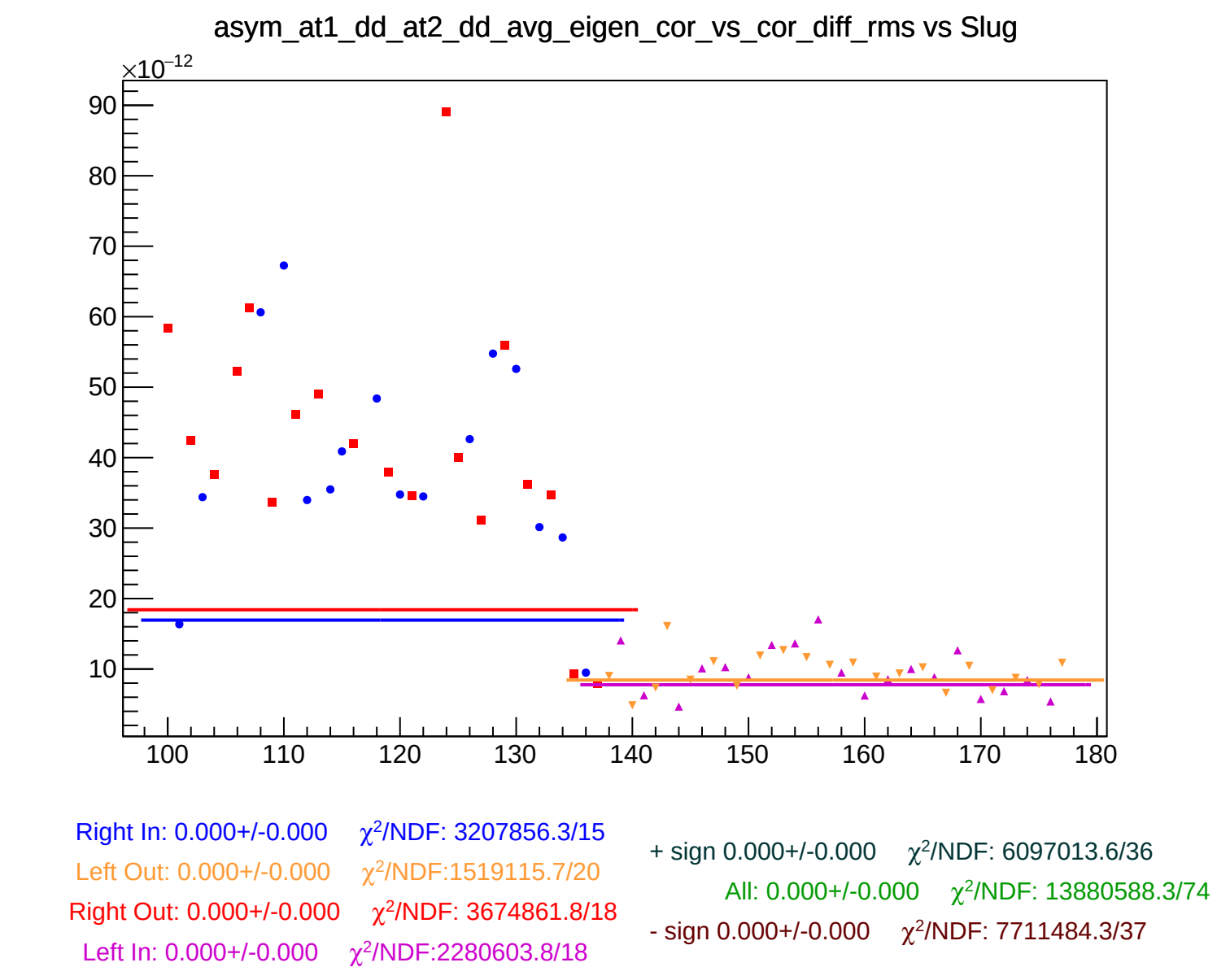
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/18

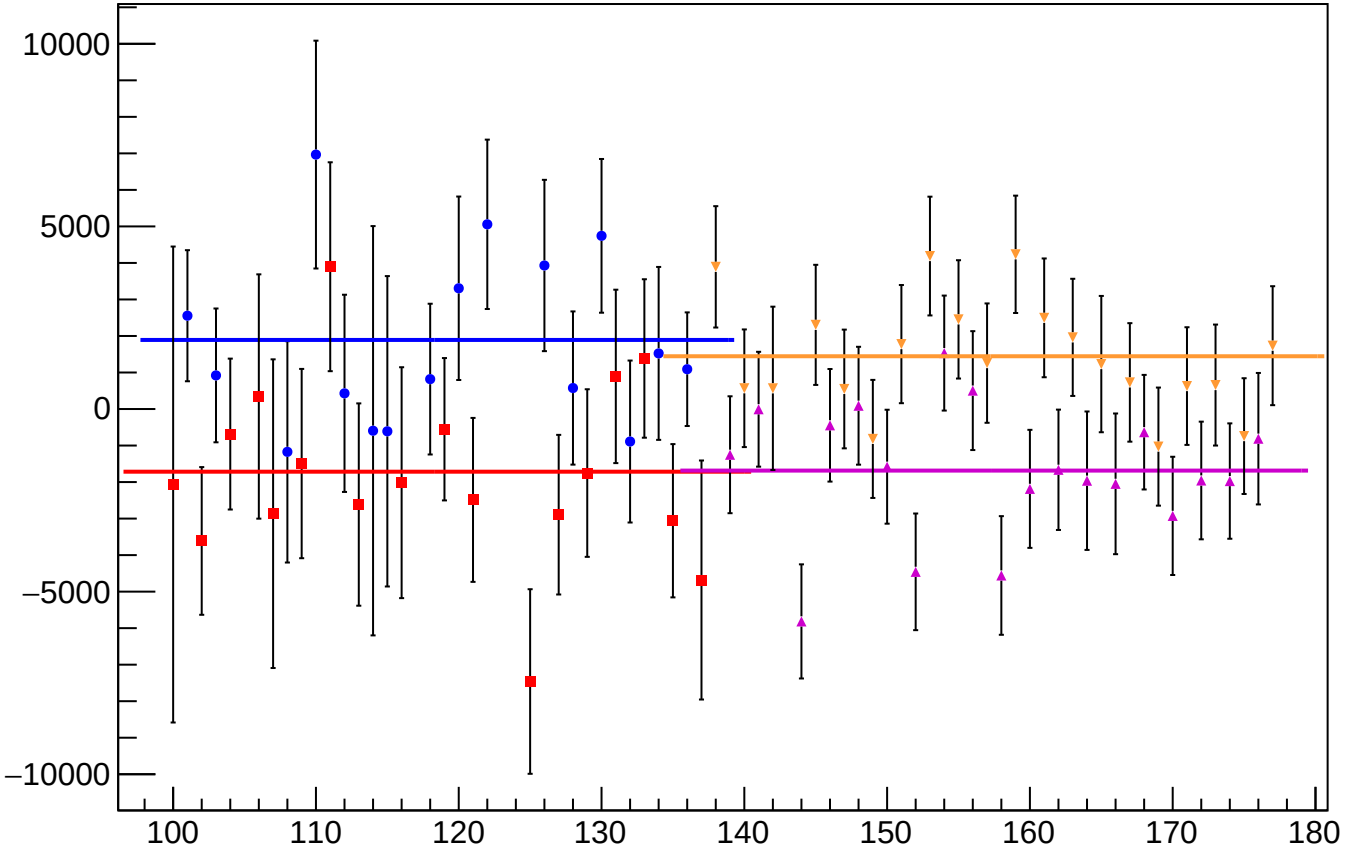
+ sign -0.000+/-0.000 χ^2/NDF: 32.8/36

All: 0.000+/-0.000 χ^2/NDF: 79.9/74

- sign 0.000+/-0.000 χ^2/NDF: 44.7/37


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:1519115.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2280603.8/18
+ sign 0.000+/-0.000 χ²/NDF: 6097013.6/36
All: 0.000+/-0.000 χ²/NDF: 13880588.3/74
- sign 0.000+/-0.000 χ²/NDF: 7711484.3/37

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1445.021+/-369.522 χ^2/NDF:17.0/19

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

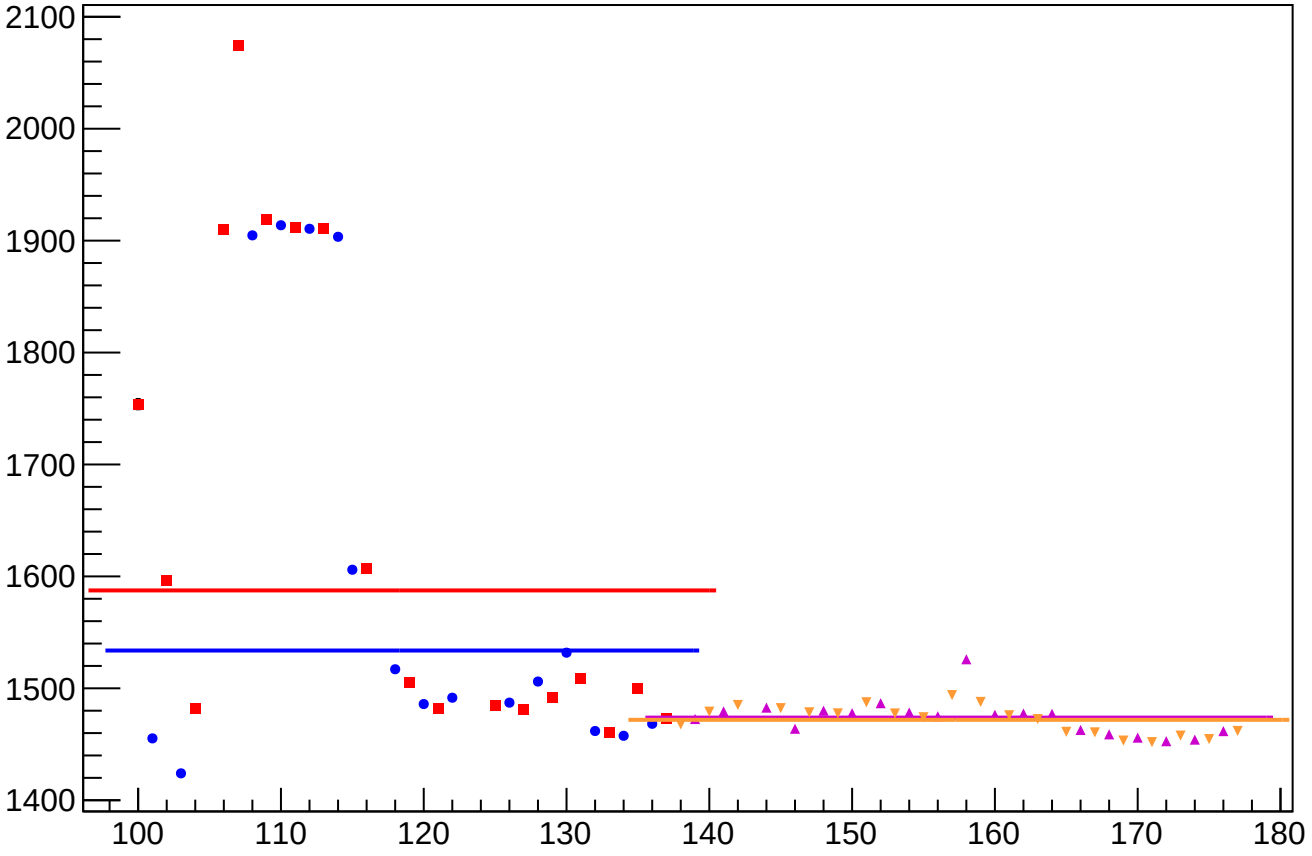
Left In: -1685.666+/-373.868 χ^2/NDF:23.7/18

+ sign 1576.396+/-310.426 χ^2/NDF: 29.6/35

All: -31.277+/-221.355 χ^2/NDF: 123.8/72

- sign -1694.341+/-315.728 χ^2/NDF: 39.6/36

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1471.845+/-0.261 χ^2/NDF:2242.4/19

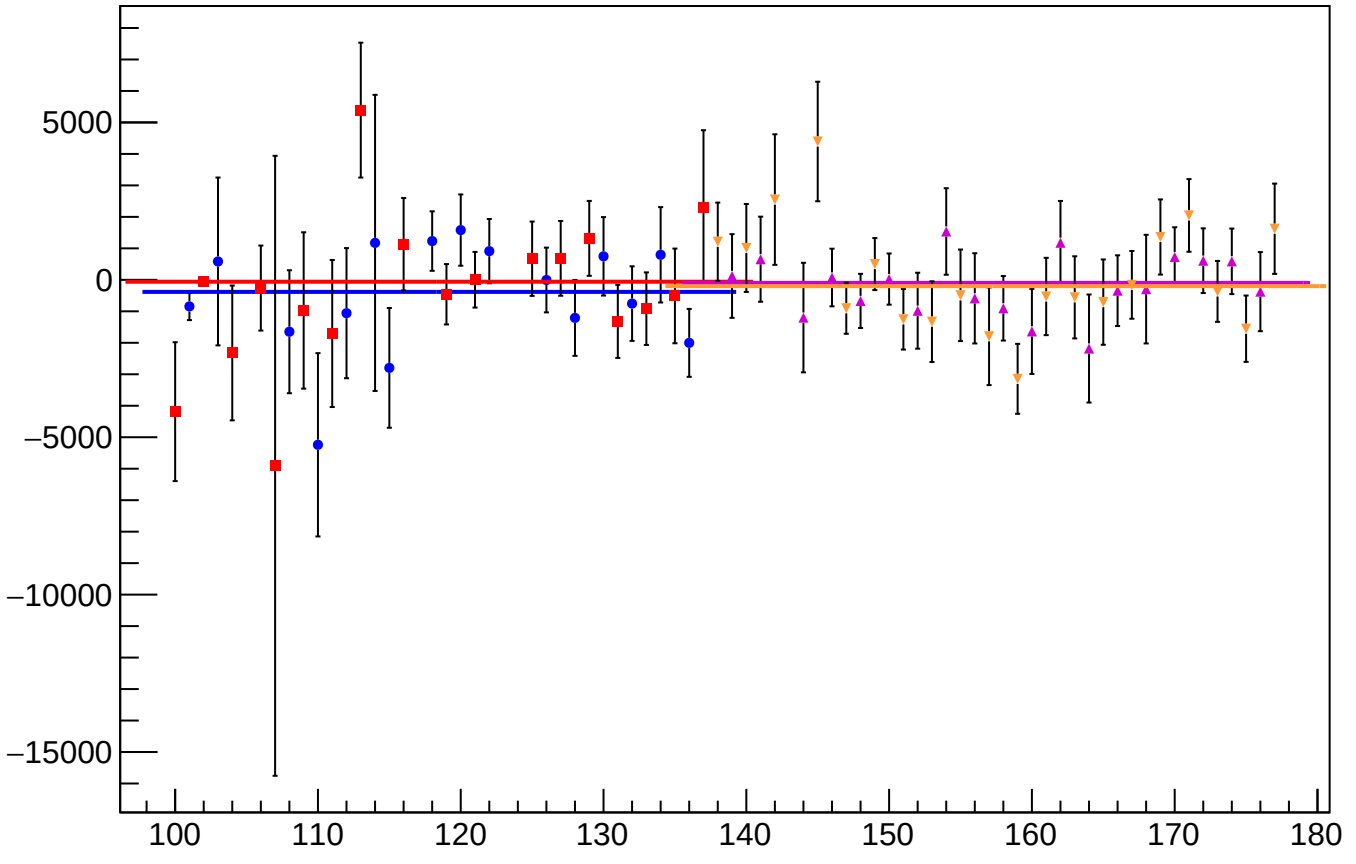
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

+ sign 1490.068+/-0.220 χ^2/NDF: 148043.1/35

All: 1498.108+/-0.157 χ^2/NDF: 379433.0/72

- sign 1506.425+/-0.223 χ^2/NDF: 228660.4/36



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -200.347+/-261.683 χ^2/NDF:30.3/19

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

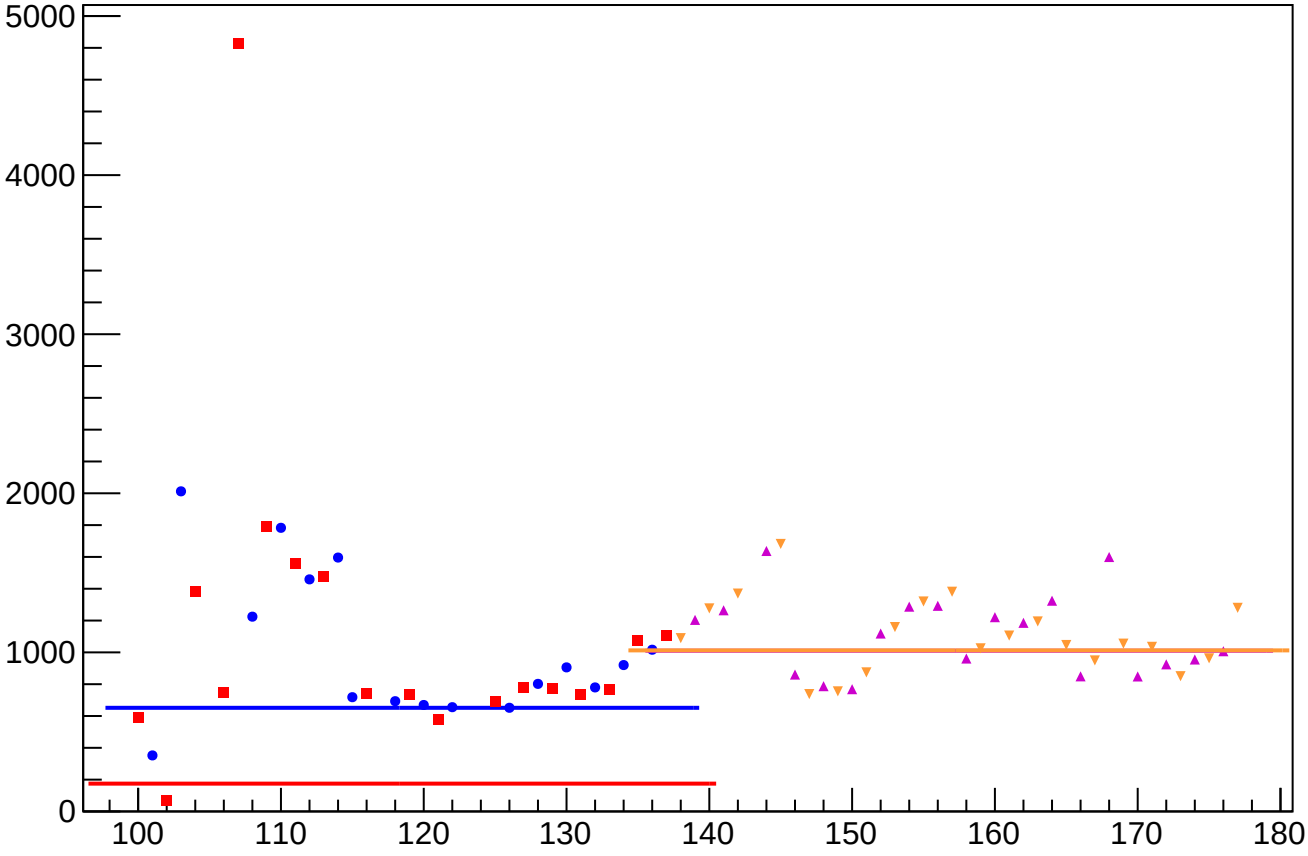
Left In: -97.558+/-263.871 χ^2/NDF:9.4/18

+ sign -287.971+/-188.649 χ^2/NDF: 48.7/35

All: -126.903+/-98.161 χ^2/NDF: 76.9/72

- sign -67.103+/-114.947 χ^2/NDF: 27.2/36

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1012.516+/-0.185 χ^2/NDF:1271916.6/19

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

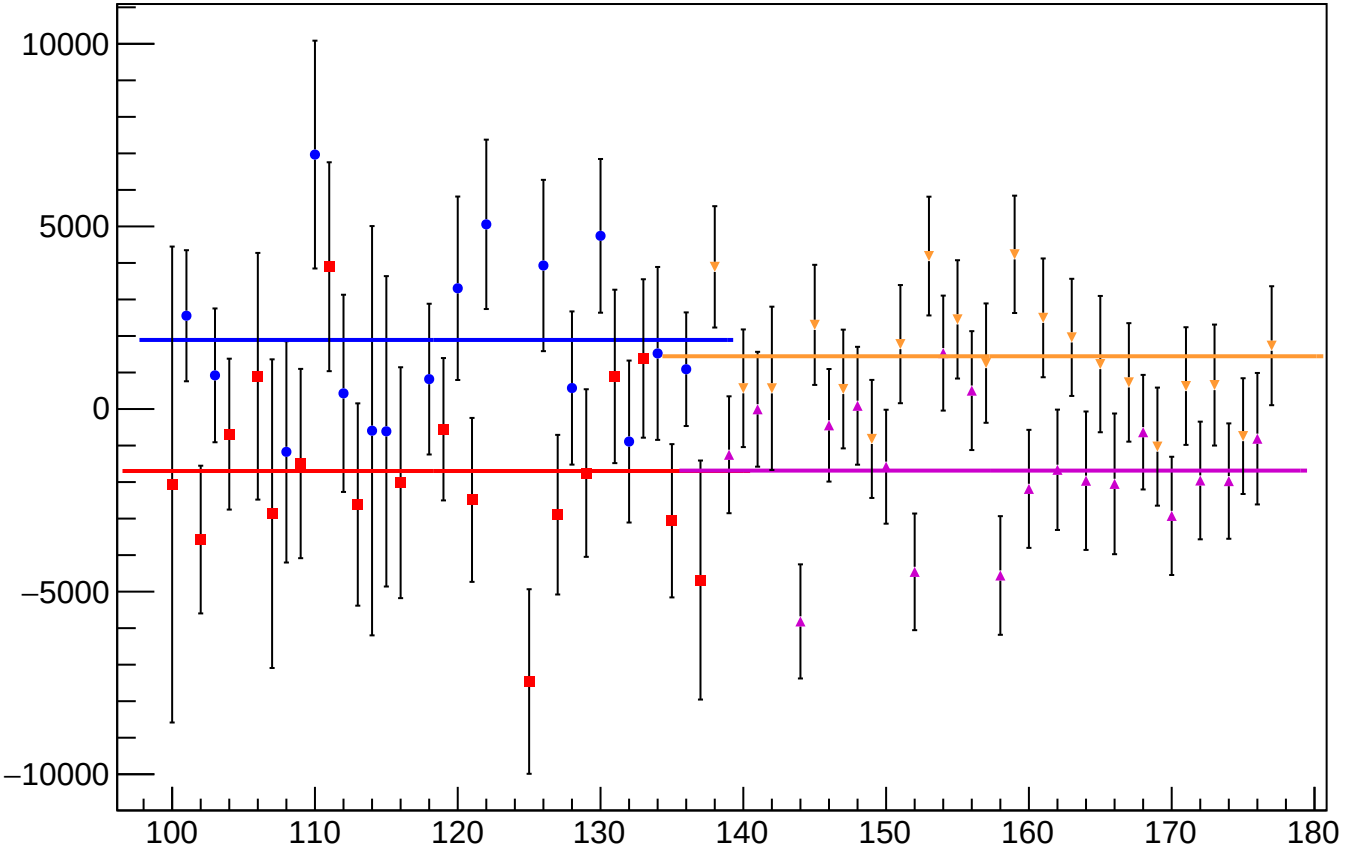
Left In: 1010.350+/-0.187 χ^2/NDF:1420192.0/18

+ sign 839.134+/-0.133 χ^2/NDF: 5862601.2/35

All: 470.353+/-0.069 χ^2/NDF: 43768776.9/72

- sign 333.437+/-0.081 χ^2/NDF: 27425750.3/36

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1444.998+/-369.522 χ^2/NDF:17.0/19

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

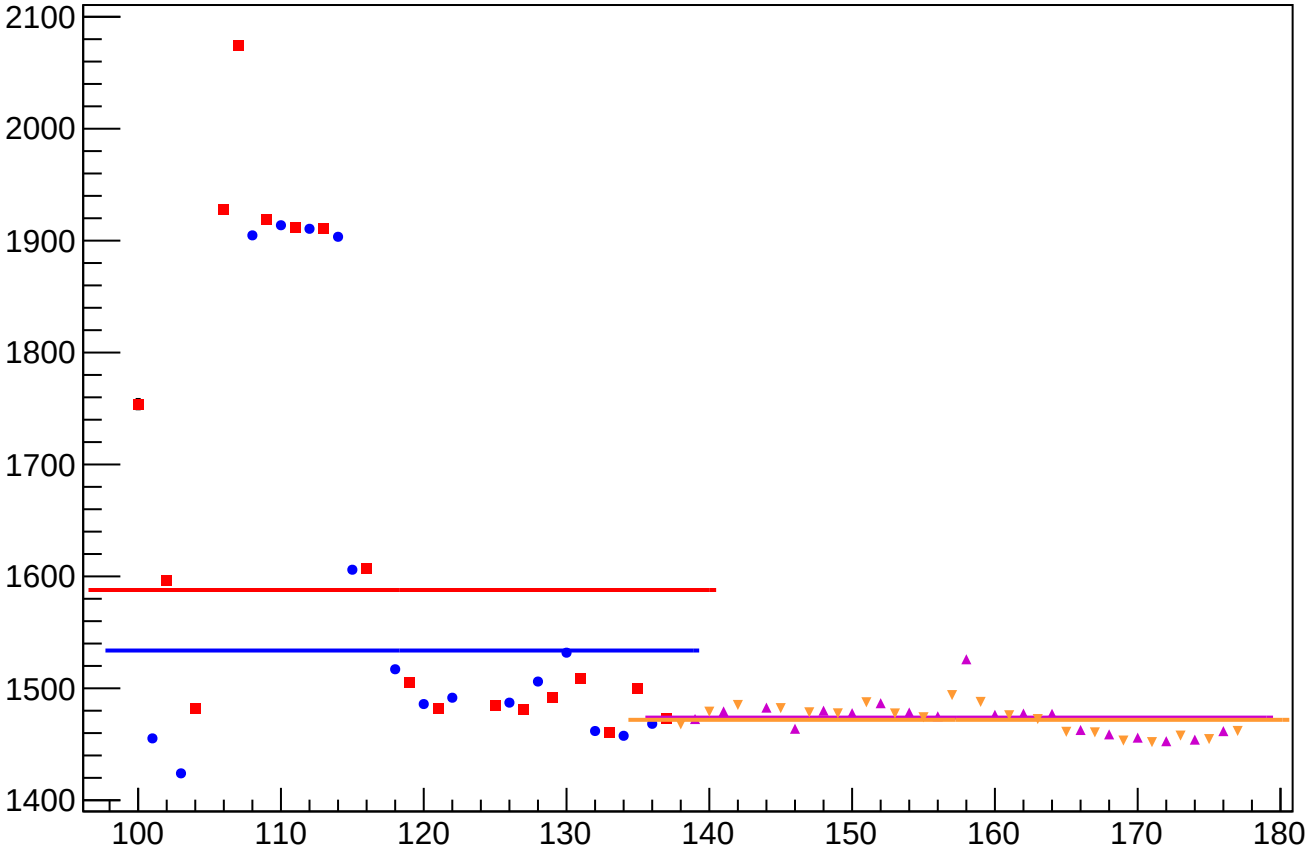
Left In: -1685.742+/-373.868 χ^2/NDF:23.7/18

+ sign 1576.410+/-310.426 χ^2/NDF: 29.6/35

All: -28.484+/-221.365 χ^2/NDF: 123.8/72

- sign -1688.966+/-315.756 χ^2/NDF: 39.8/36

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.845+/-0.261 χ^2/NDF:2242.4/19

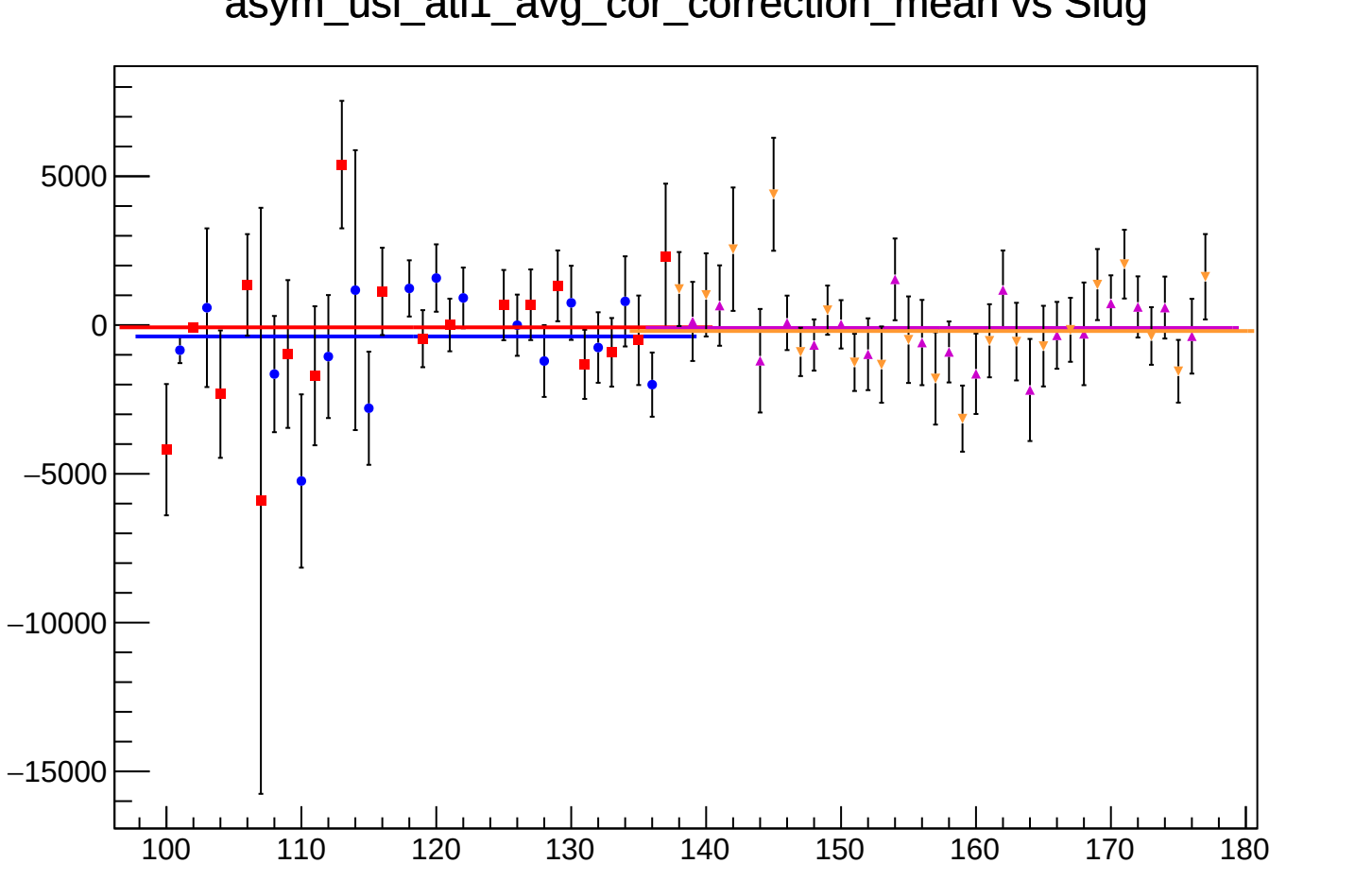
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

+ sign 1490.068+/-0.220 χ^2/NDF: 148043.1/35

All: 1498.155+/-0.157 χ^2/NDF: 381579.7/72

- sign 1506.521+/-0.223 χ^2/NDF: 230775.3/36



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -200.363+/-261.683 χ^2/NDF:30.3/19

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

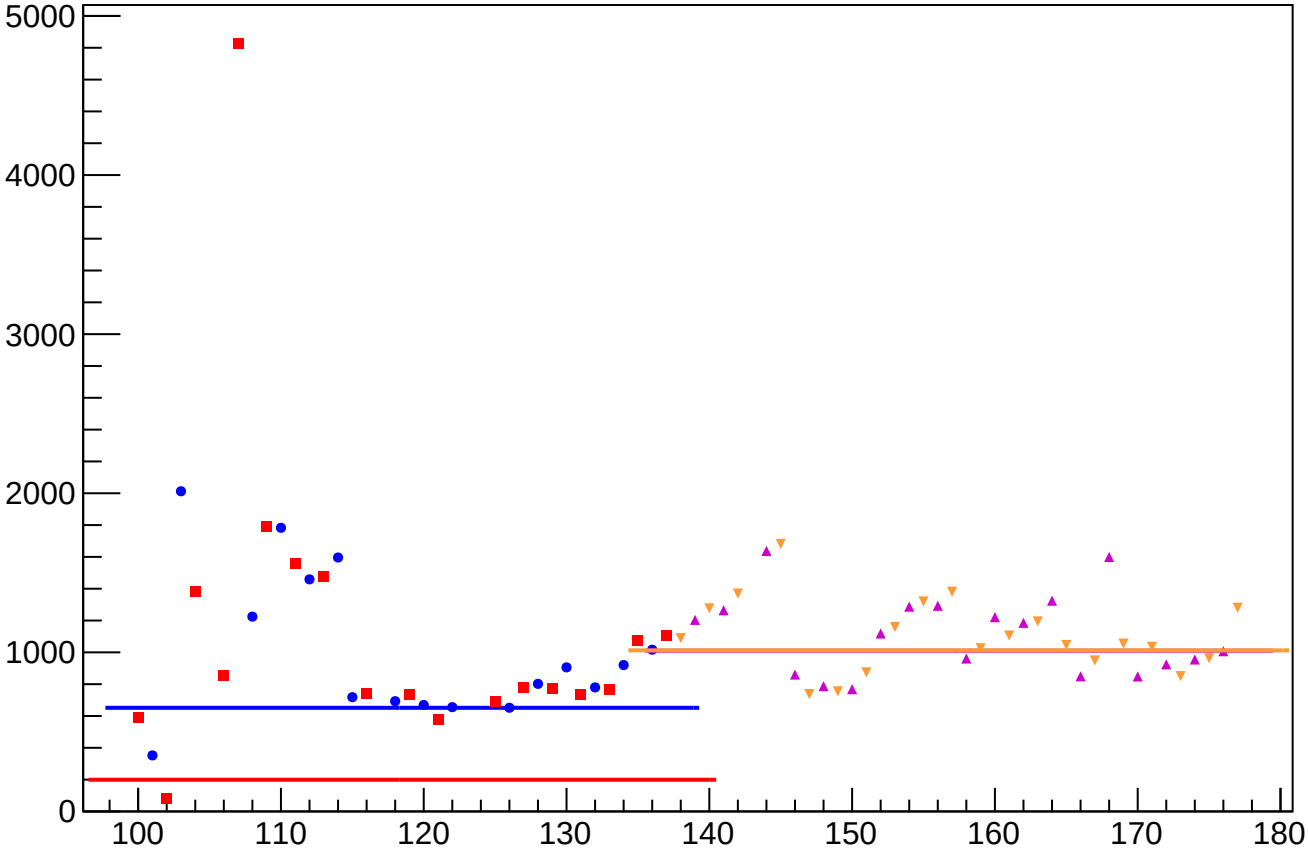
Left In: -97.630+/-263.871 χ^2/NDF:9.4/18

\+ sign -287.968+/-188.649 χ^2/NDF: 48.7/35

All: -142.475+/-102.670 χ^2/NDF: 77.5/72

\- sign -81.244+/-122.382 χ^2/NDF: 27.9/36

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1012.519+/-0.185 χ^2/NDF:1271946.3/19

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

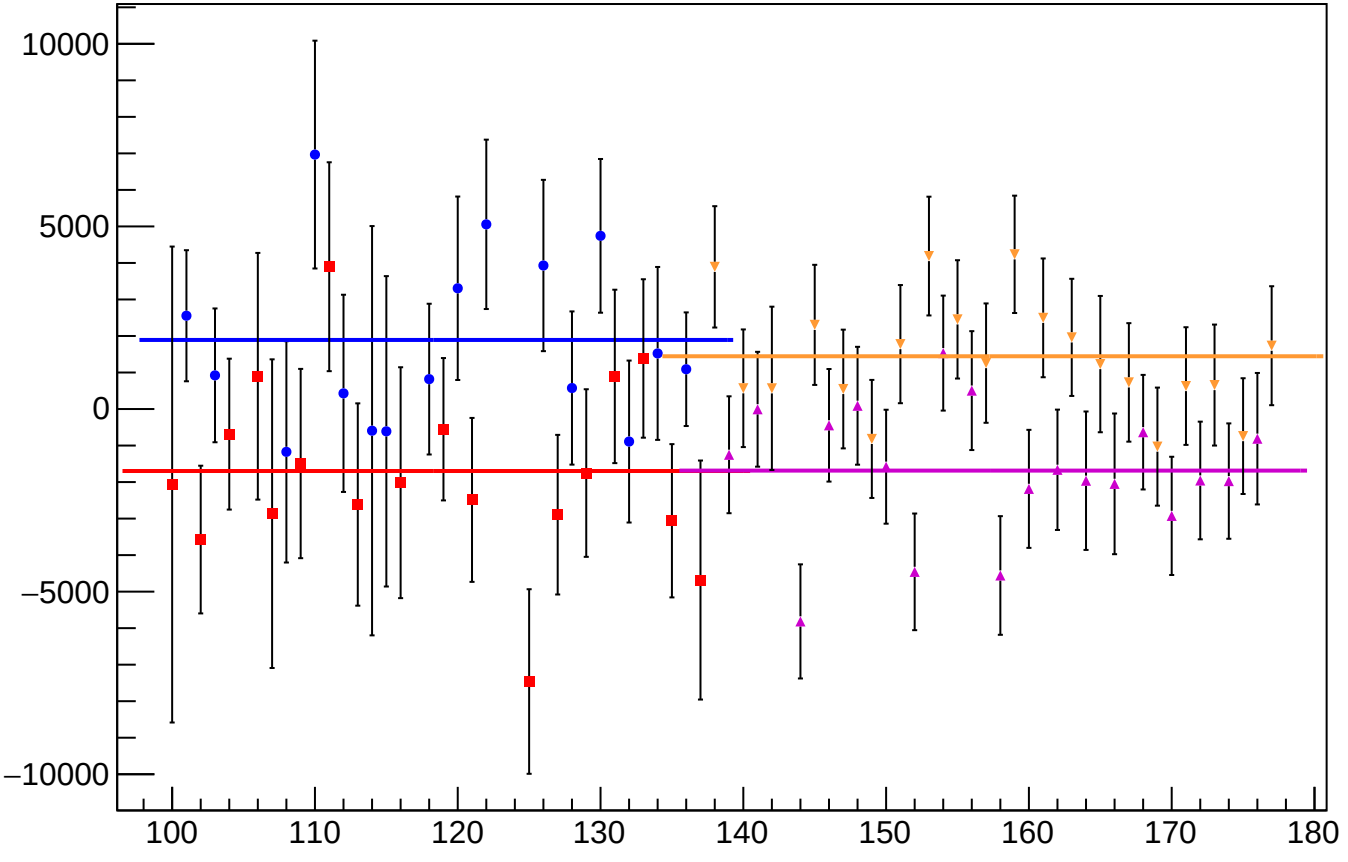
Left In: 1010.350+/-0.187 χ^2/NDF:1420282.6/18

+ sign 839.134+/-0.133 χ^2/NDF: 5862699.8/35

All: 511.625+/-0.073 χ^2/NDF: 39961326.8/72

- sign 373.795+/-0.087 χ^2/NDF: 25533922.5/36

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1444.998+/-369.522 χ^2/NDF:17.0/19

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

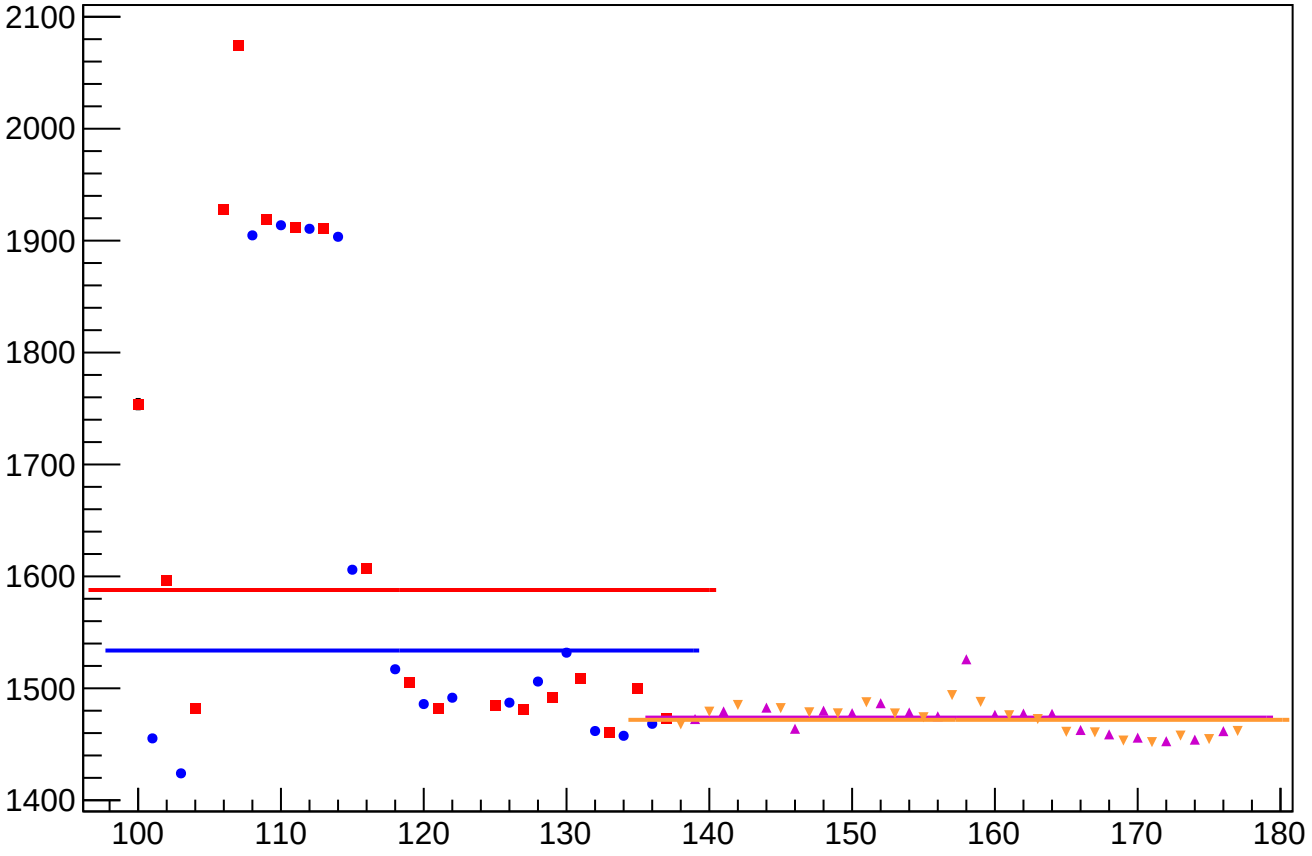
Left In: -1685.742+/-373.868 χ^2/NDF:23.7/18

+ sign 1576.410+/-310.426 χ^2/NDF: 29.6/35

All: -28.484+/-221.365 χ^2/NDF: 123.8/72

- sign -1688.966+/-315.756 χ^2/NDF: 39.8/36

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.845+/-0.261 χ^2/NDF:2242.4/19

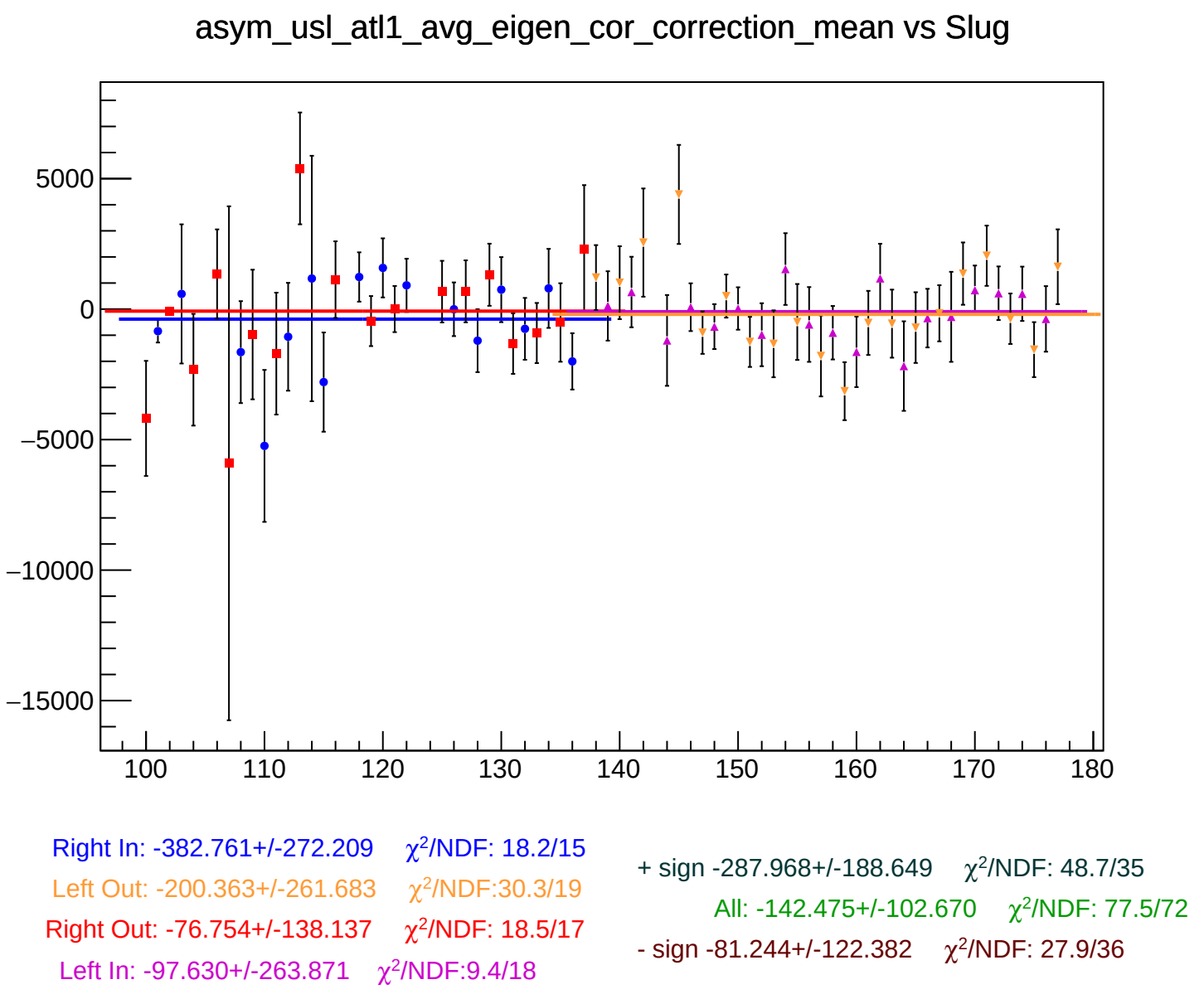
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

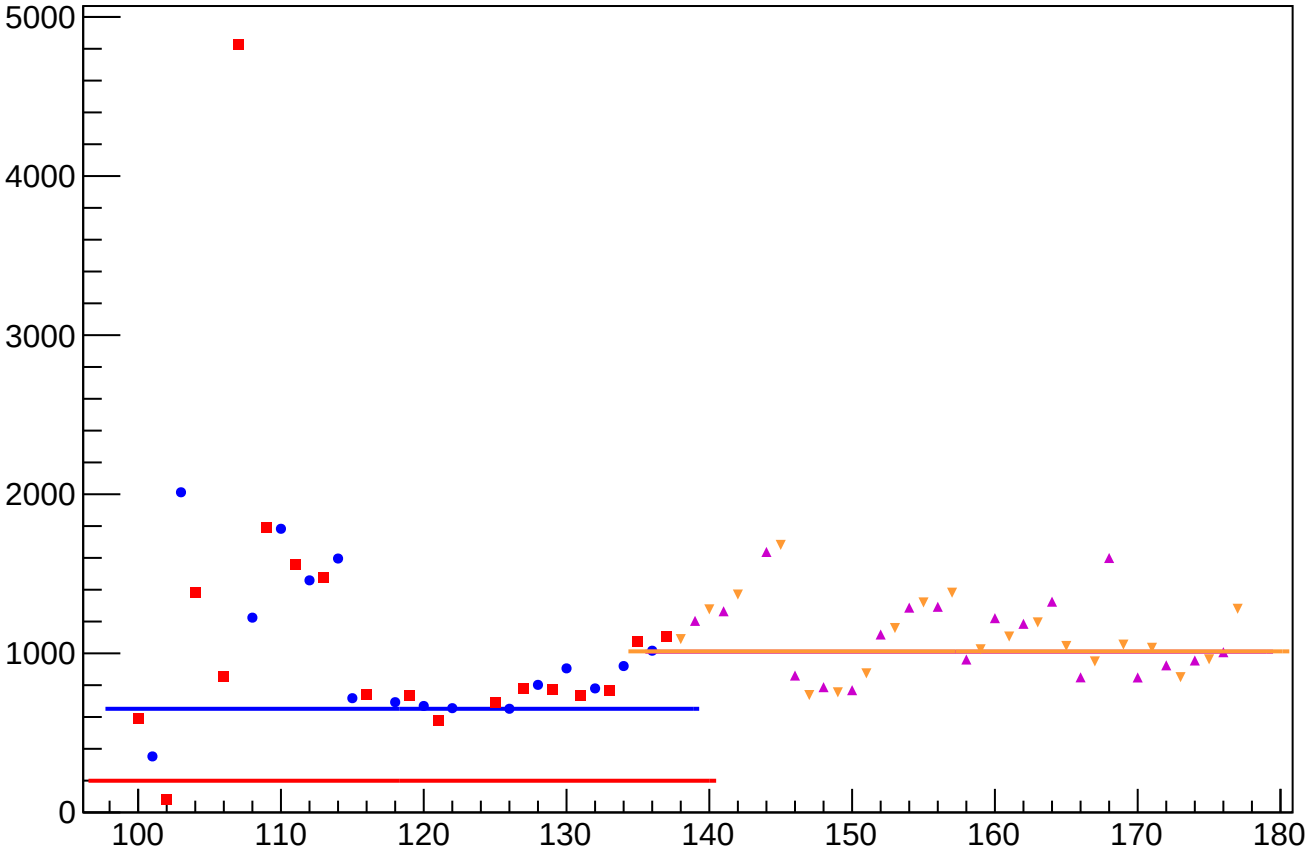
Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

+ sign 1490.068+/-0.220 χ^2/NDF: 148043.1/35

All: 1498.155+/-0.157 χ^2/NDF: 381579.7/72

- sign 1506.521+/-0.223 χ^2/NDF: 230775.3/36


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: -200.363+/-261.683 χ²/NDF:30.3/19
Right Out: -76.754+/-138.137 χ²/NDF: 18.5/17
Left In: -97.630+/-263.871 χ²/NDF:9.4/18
+ sign -287.968+/-188.649 χ²/NDF: 48.7/35
All: -142.475+/-102.670 χ²/NDF: 77.5/72
- sign -81.244+/-122.382 χ²/NDF: 27.9/36



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1012.519+/-0.185 χ^2/NDF:1271946.3/19

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

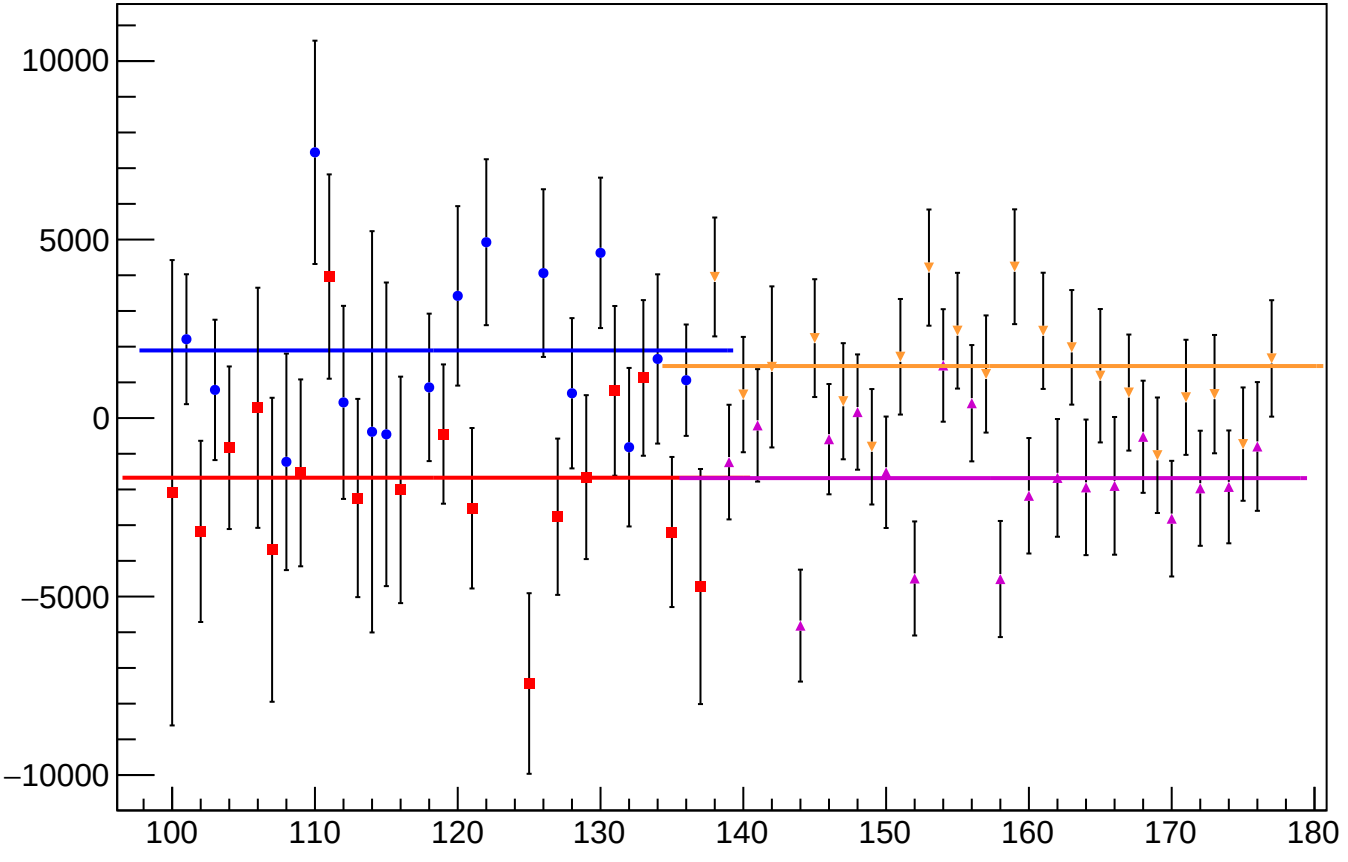
Left In: 1010.350+/-0.187 χ^2/NDF:1420282.6/18

+ sign 839.134+/-0.133 χ^2/NDF: 5862699.8/35

All: 511.625+/-0.073 χ^2/NDF: 39961326.8/72

- sign 373.795+/-0.087 χ^2/NDF: 25533922.5/36

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1457.301+/-370.132 χ^2/NDF:16.8/19

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

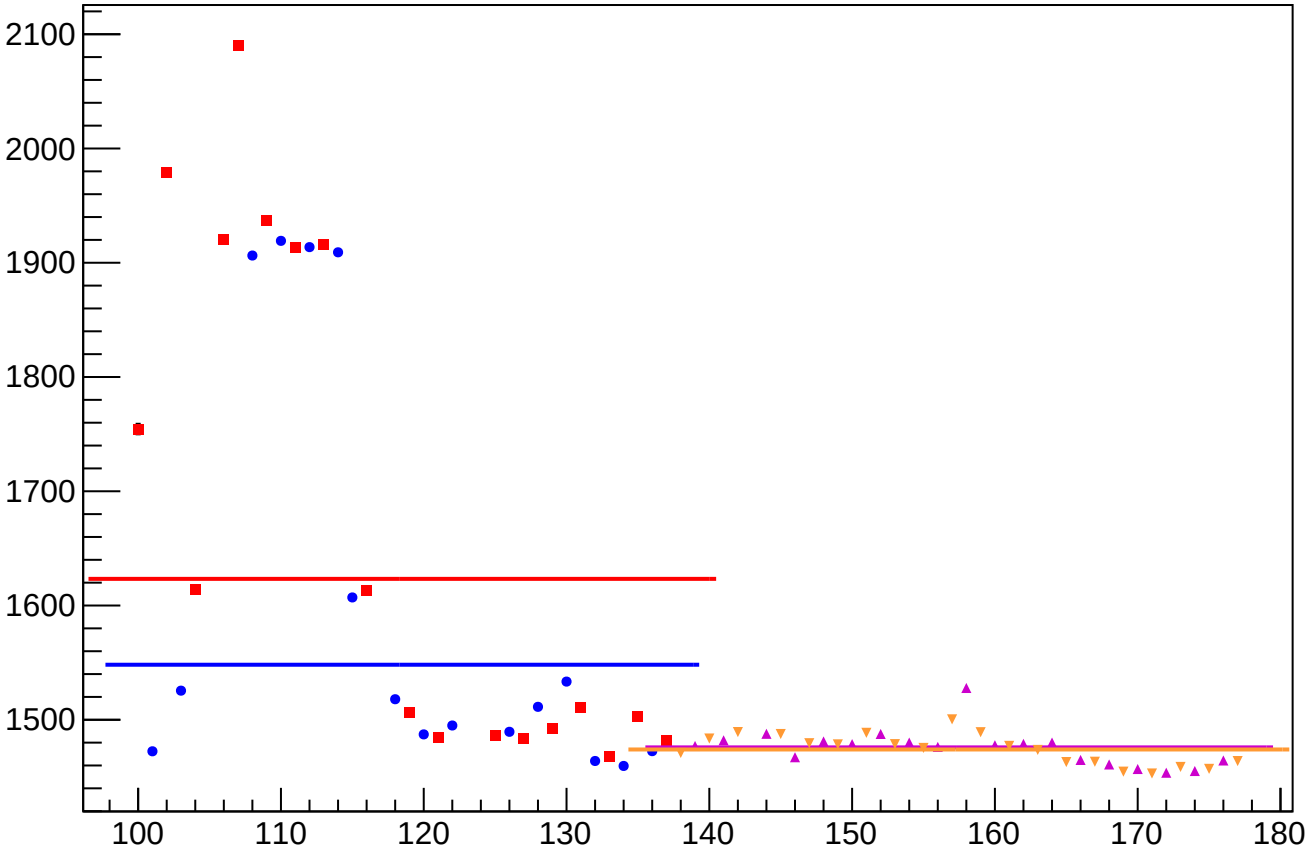
Left In: -1682.297+/-374.382 χ^2/NDF:23.0/18

+ sign 1584.465+/-311.641 χ^2/NDF: 29.5/35

All: -12.675+/-222.692 χ^2/NDF: 121.2/72

- sign -1679.149+/-318.334 χ^2/NDF: 38.0/36

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1474.004+/-0.262 χ^2/NDF:2481.6/19

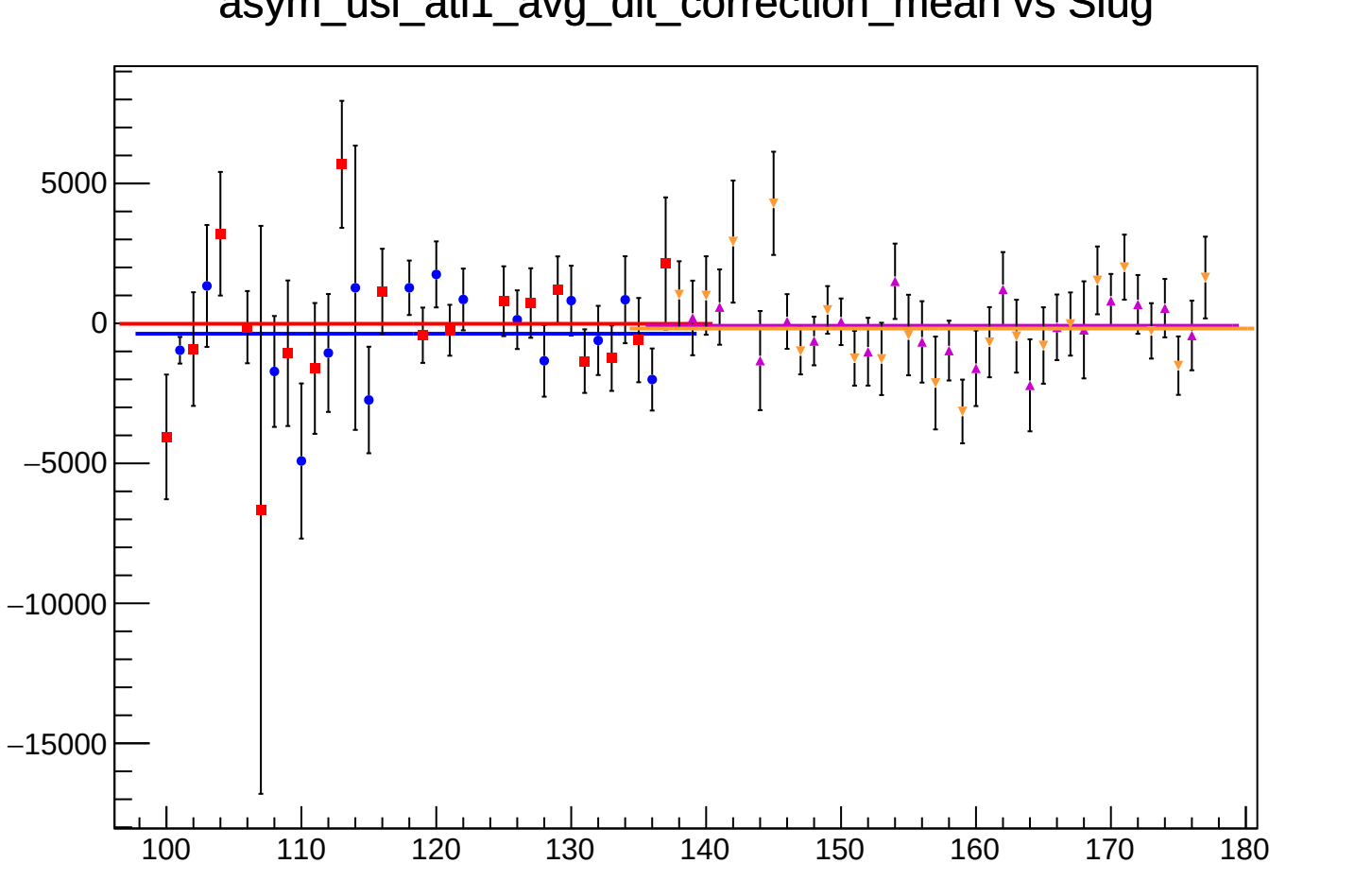
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1475.841+/-0.265 χ^2/NDF:3744.8/18

+ sign 1495.593+/-0.220 χ^2/NDF: 145763.8/35

All: 1505.920+/-0.157 χ^2/NDF: 451513.5/72

- sign 1516.696+/-0.225 χ^2/NDF: 301261.6/36



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -183.351+/-265.556 χ^2/NDF:30.4/19

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

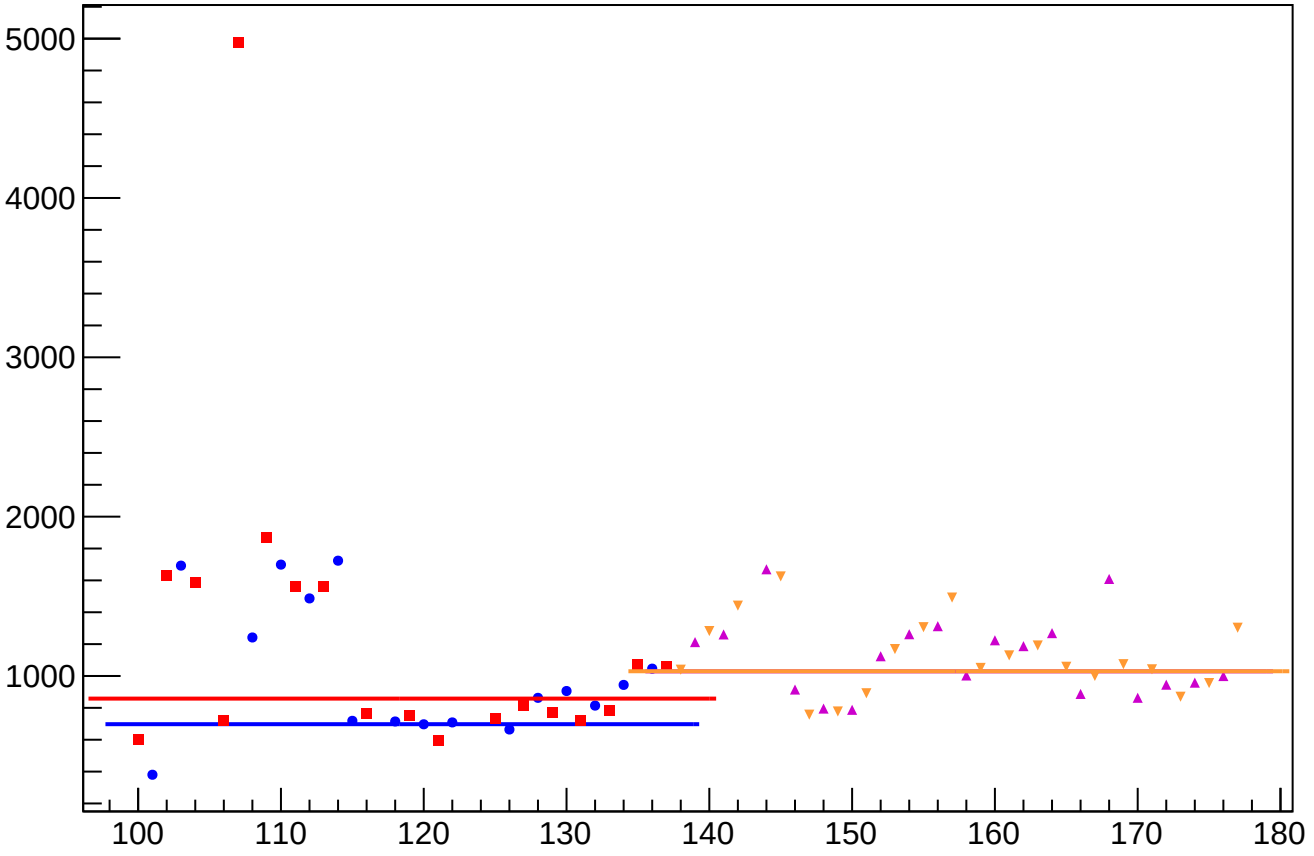
Left In: -83.045+/-267.903 χ^2/NDF:9.8/18

+ sign -268.983+/-194.784 χ^2/NDF: 49.5/35

All: -171.185+/-143.060 χ^2/NDF: 79.0/72

- sign -56.645+/-210.798 χ^2/NDF: 28.9/36

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1029.755+/-0.188 χ^2/NDF:1208748.4/19

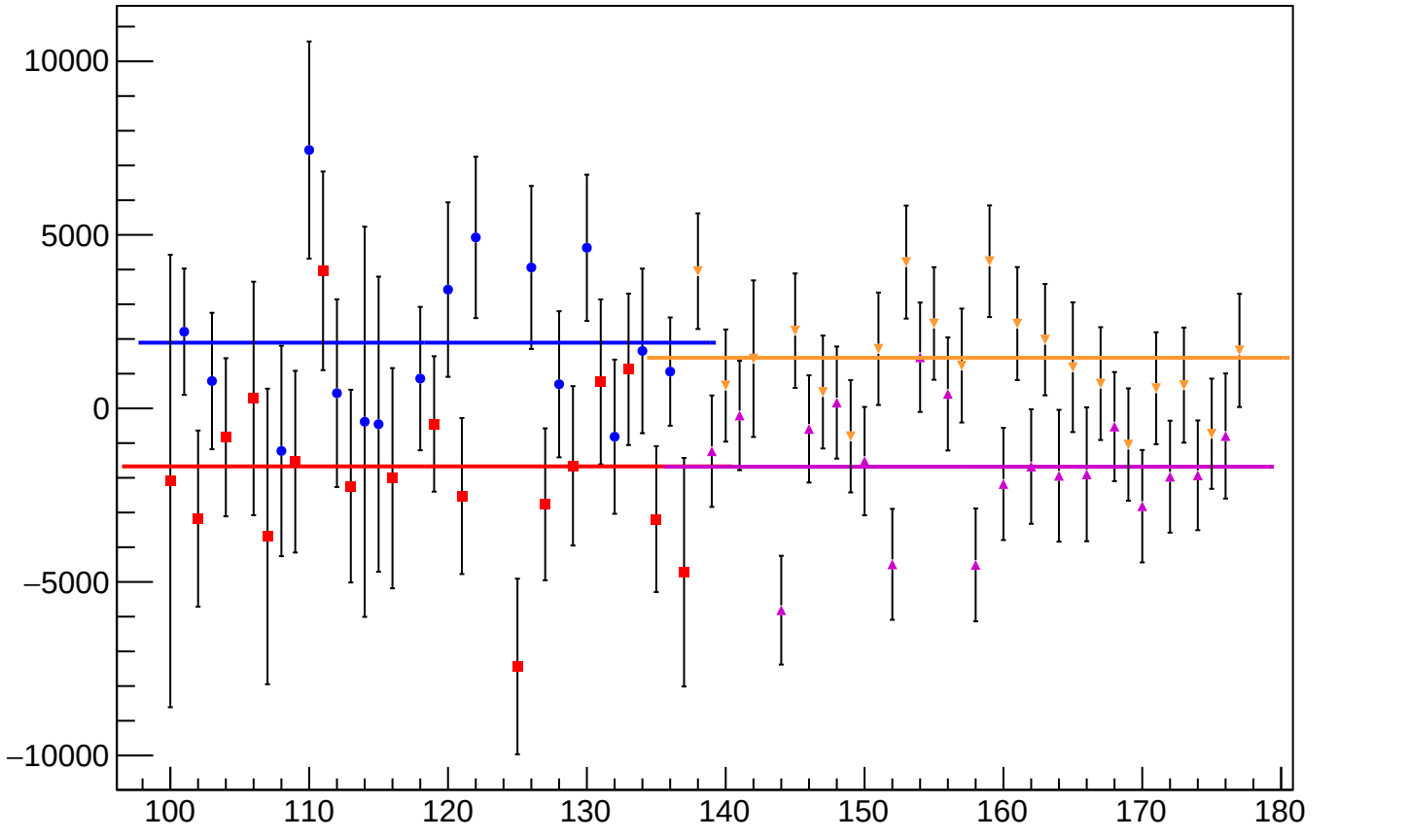
Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1029.033+/-0.189 χ^2/NDF:1296261.2/18

+ sign 876.266+/-0.138 χ^2/NDF: 5090603.2/35

All: 916.641+/-0.101 χ^2/NDF: 8765716.0/72

- sign 963.928+/-0.149 χ^2/NDF: 3488544.3/36



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1457.300+/-370.132 χ^2/NDF:16.8/19

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

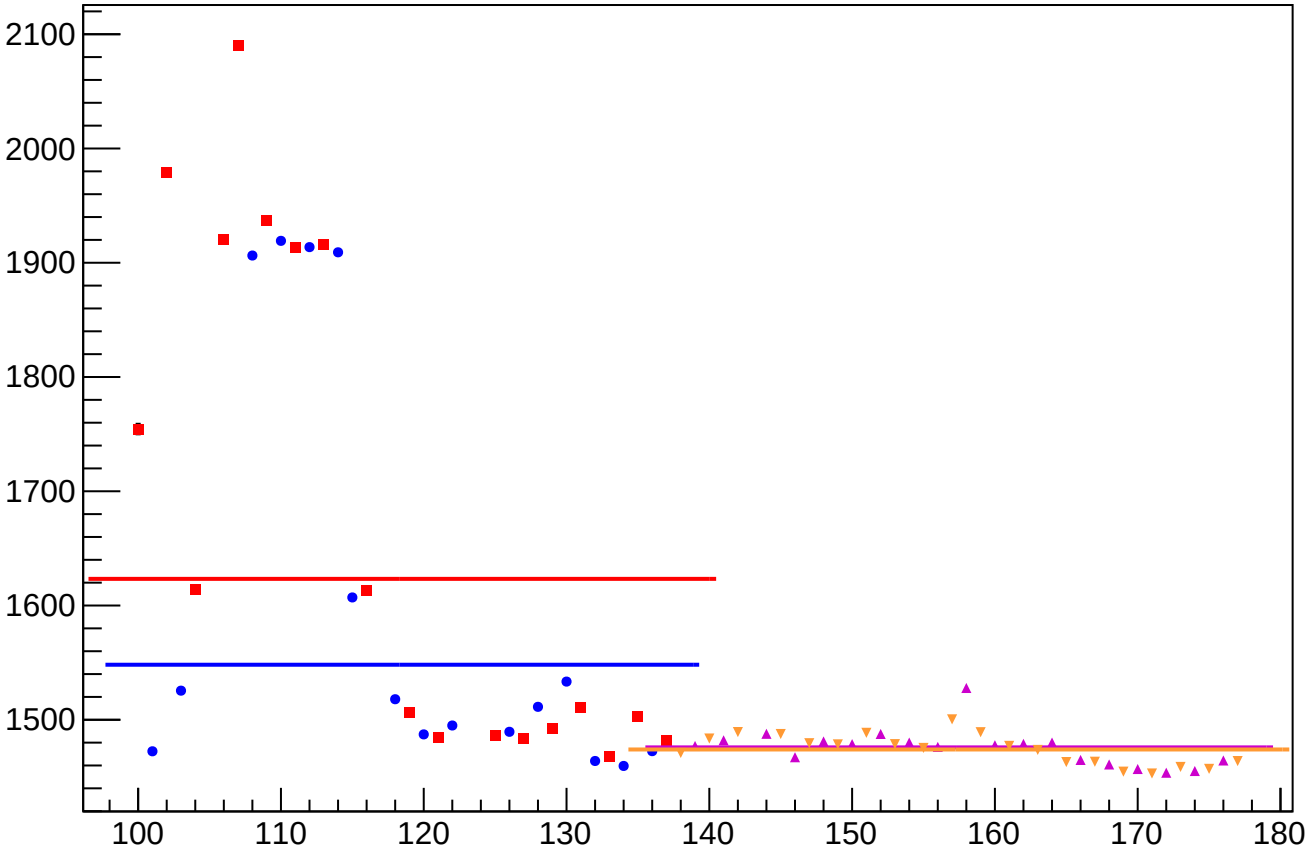
Left In: -1682.298+/-374.382 χ^2/NDF:23.0/18

+ sign 1584.463+/-311.641 χ^2/NDF: 29.5/35

All: -12.676+/-222.692 χ^2/NDF: 121.2/72

- sign -1679.149+/-318.334 χ^2/NDF: 38.0/36

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1474.004+/-0.262 χ^2/NDF:2481.6/19

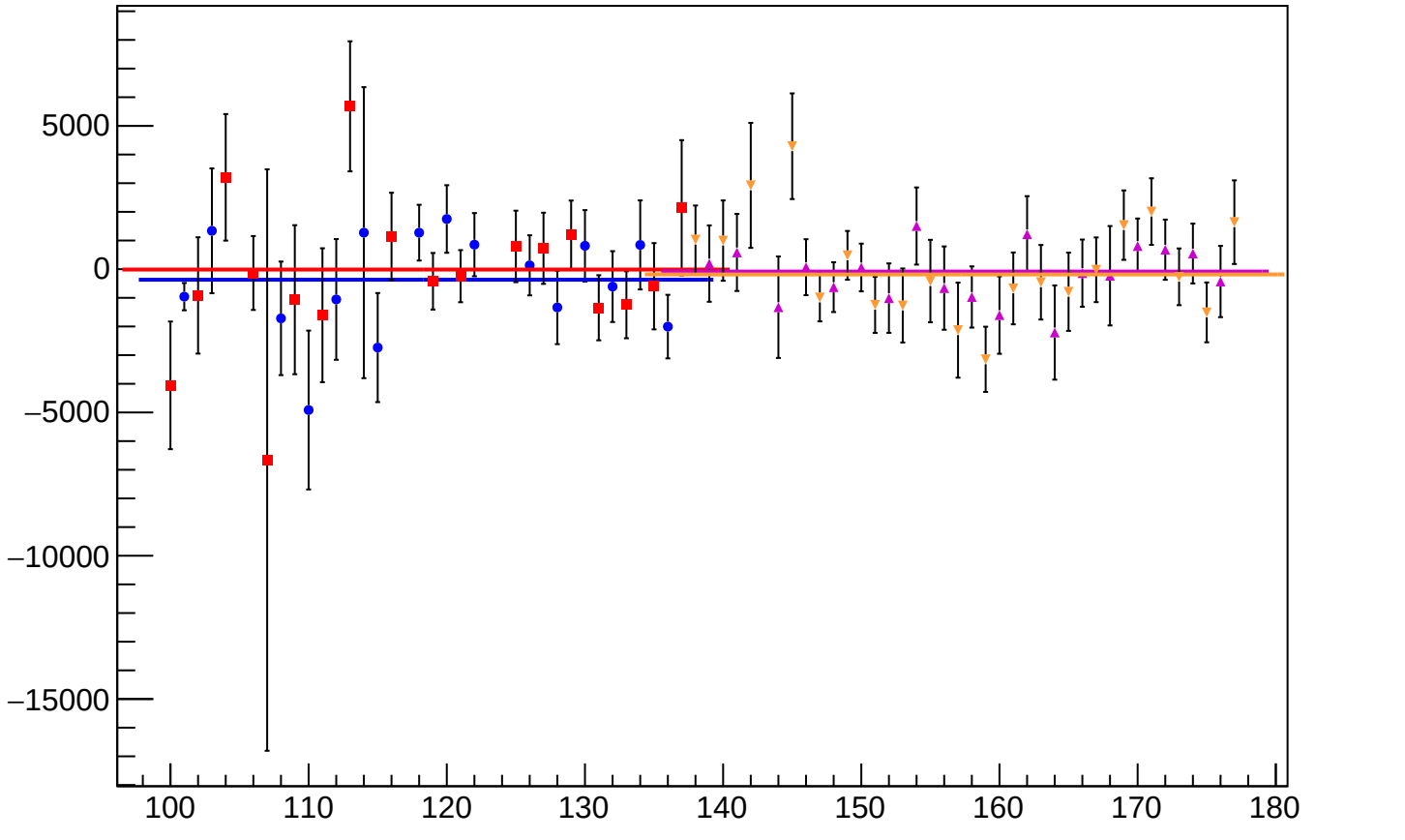
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1475.841+/-0.265 χ^2/NDF:3744.8/18

+ sign 1495.593+/-0.220 χ^2/NDF: 145763.7/35

All: 1505.920+/-0.157 χ^2/NDF: 451512.9/72

- sign 1516.696+/-0.225 χ^2/NDF: 301261.1/36



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -183.353+/-265.556 χ^2/NDF:30.4/19

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

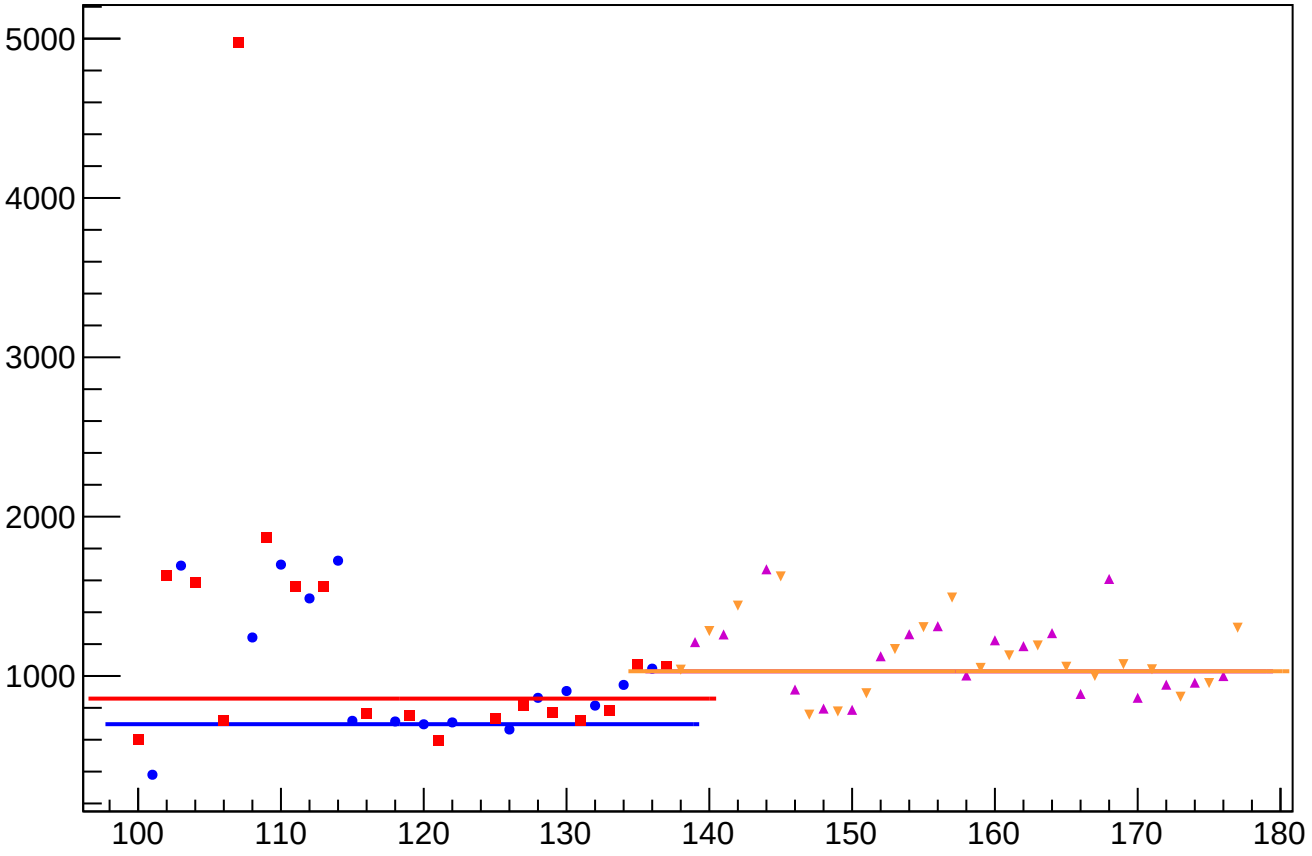
Left In: -83.045+/-267.903 χ^2/NDF:9.8/18

\+ sign -268.984+/-194.784 χ^2/NDF: 49.5/35

All: -171.185+/-143.060 χ^2/NDF: 79.0/72

\- sign -56.645+/-210.799 χ^2/NDF: 28.9/36

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1029.757+/-0.188 χ^2/NDF:1208746.6/19

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

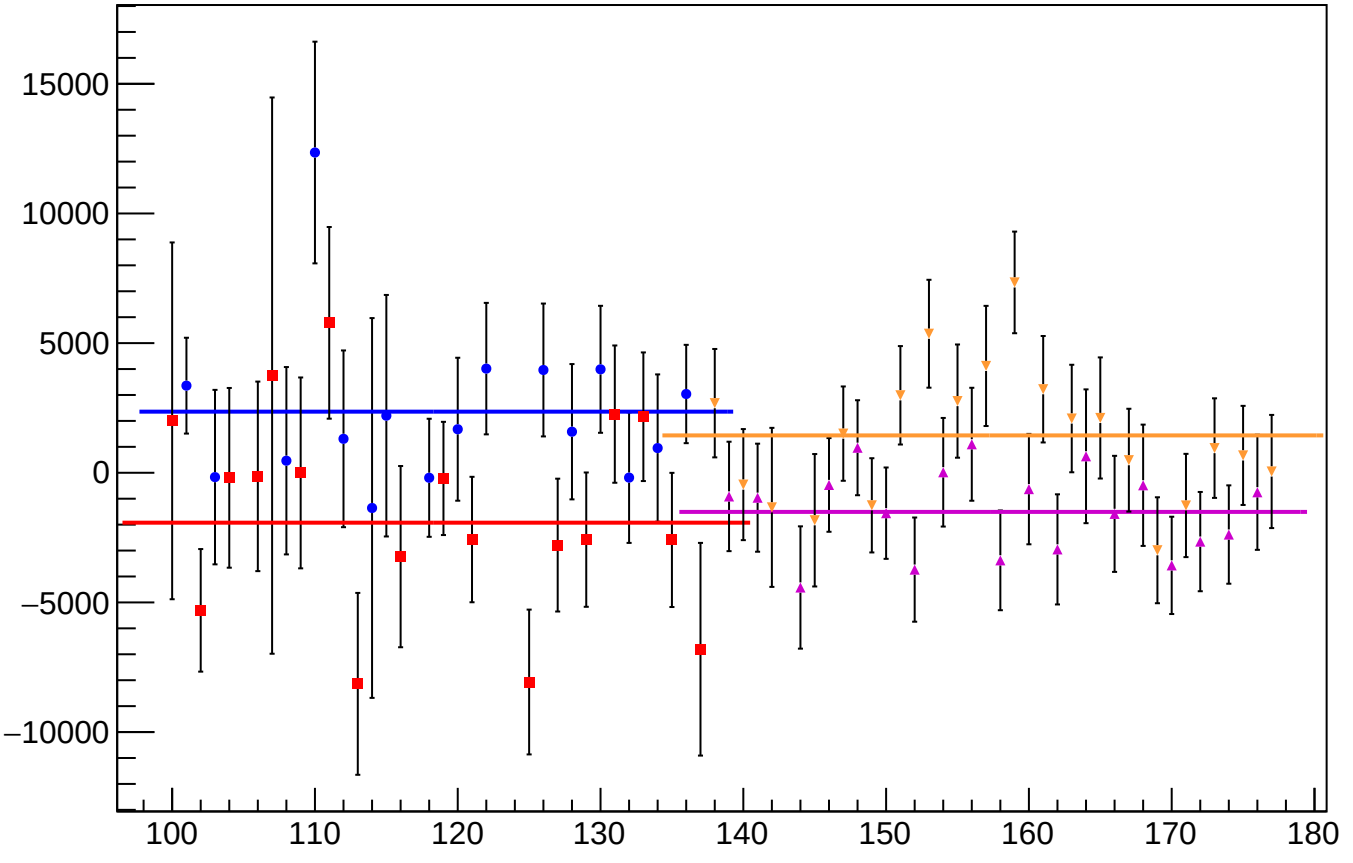
Left In: 1029.034+/-0.189 χ^2/NDF:1296257.6/18

+ sign 876.267+/-0.138 χ^2/NDF: 5090605.8/35

All: 916.642+/-0.101 χ^2/NDF: 8765734.5/72

- sign 963.928+/-0.149 χ^2/NDF: 3488562.3/36

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1441.171+/-464.679 χ^2/NDF:29.1/19

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

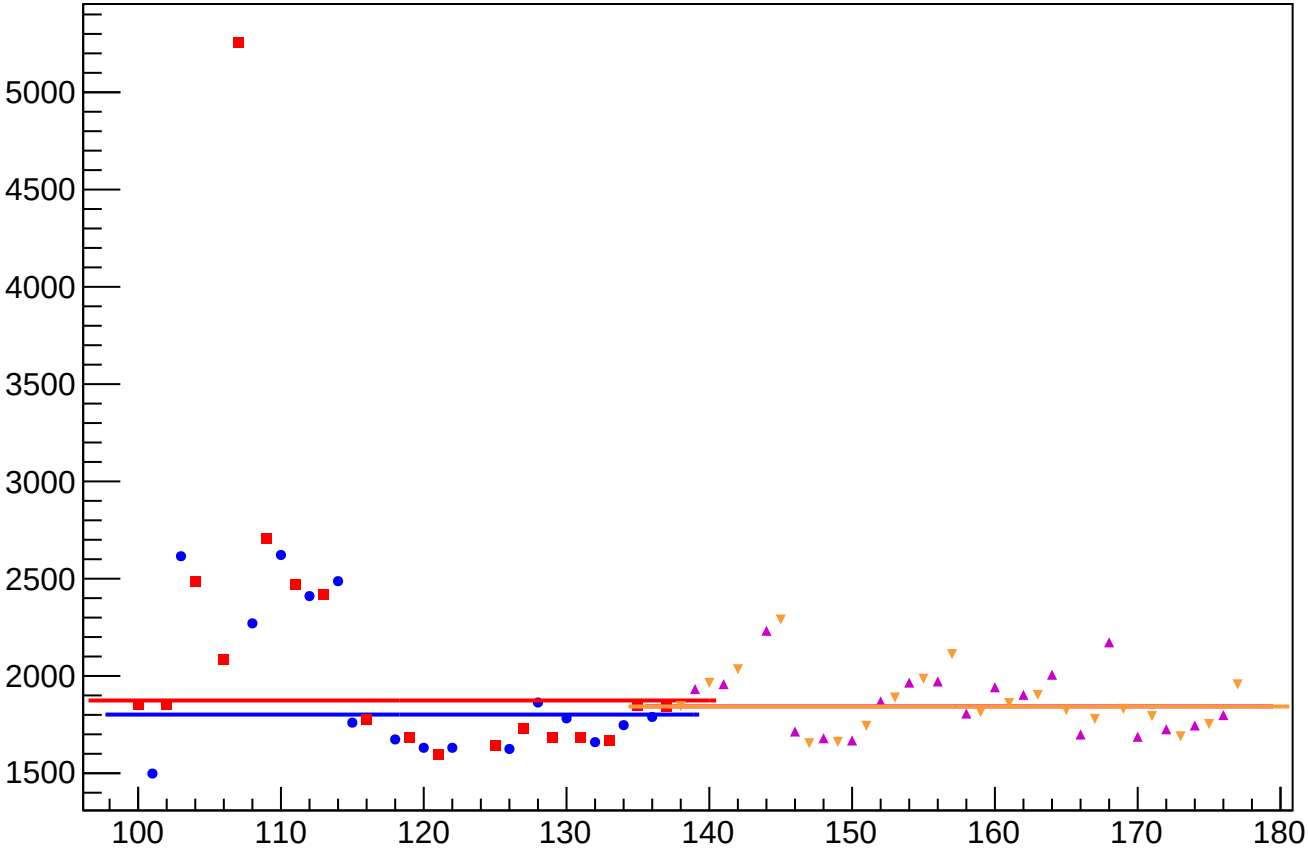
Left In: -1509.133+/-469.795 χ^2/NDF:11.4/18

+ sign 1733.318+/-383.467 χ^2/NDF: 41.4/35

All: 82.271+/-273.863 χ^2/NDF: 114.3/72

- sign -1636.508+/-391.253 χ^2/NDF: 35.1/36

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1843.024+/-0.329 χ^2/NDF:187266.9/19

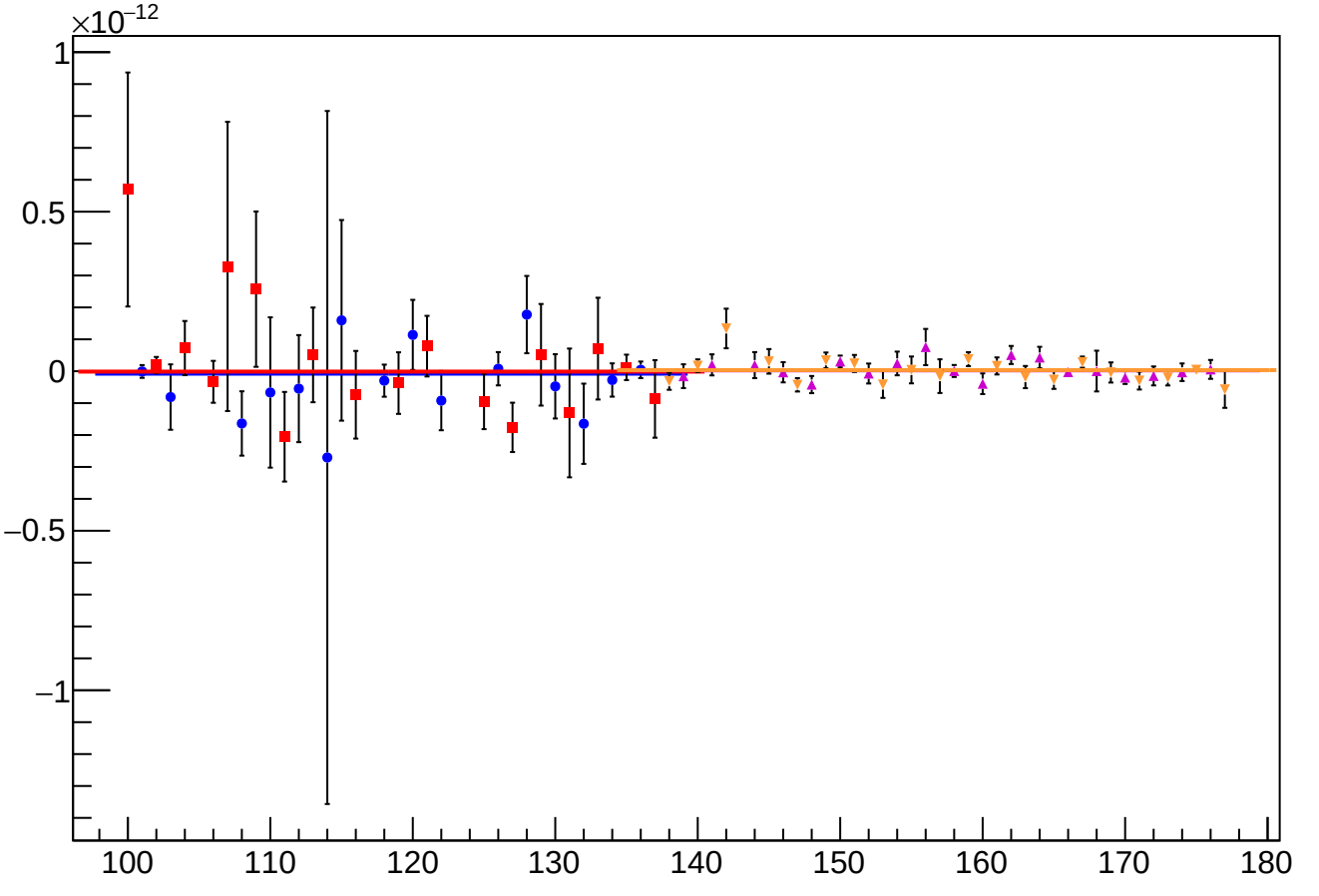
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1843.827+/-0.332 χ^2/NDF:214047.9/18

+ sign 1829.787+/-0.271 χ^2/NDF: 593057.0/35

All: 1841.192+/-0.194 χ^2/NDF: 1383148.8/72

- sign 1853.065+/-0.277 χ^2/NDF: 786480.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/19

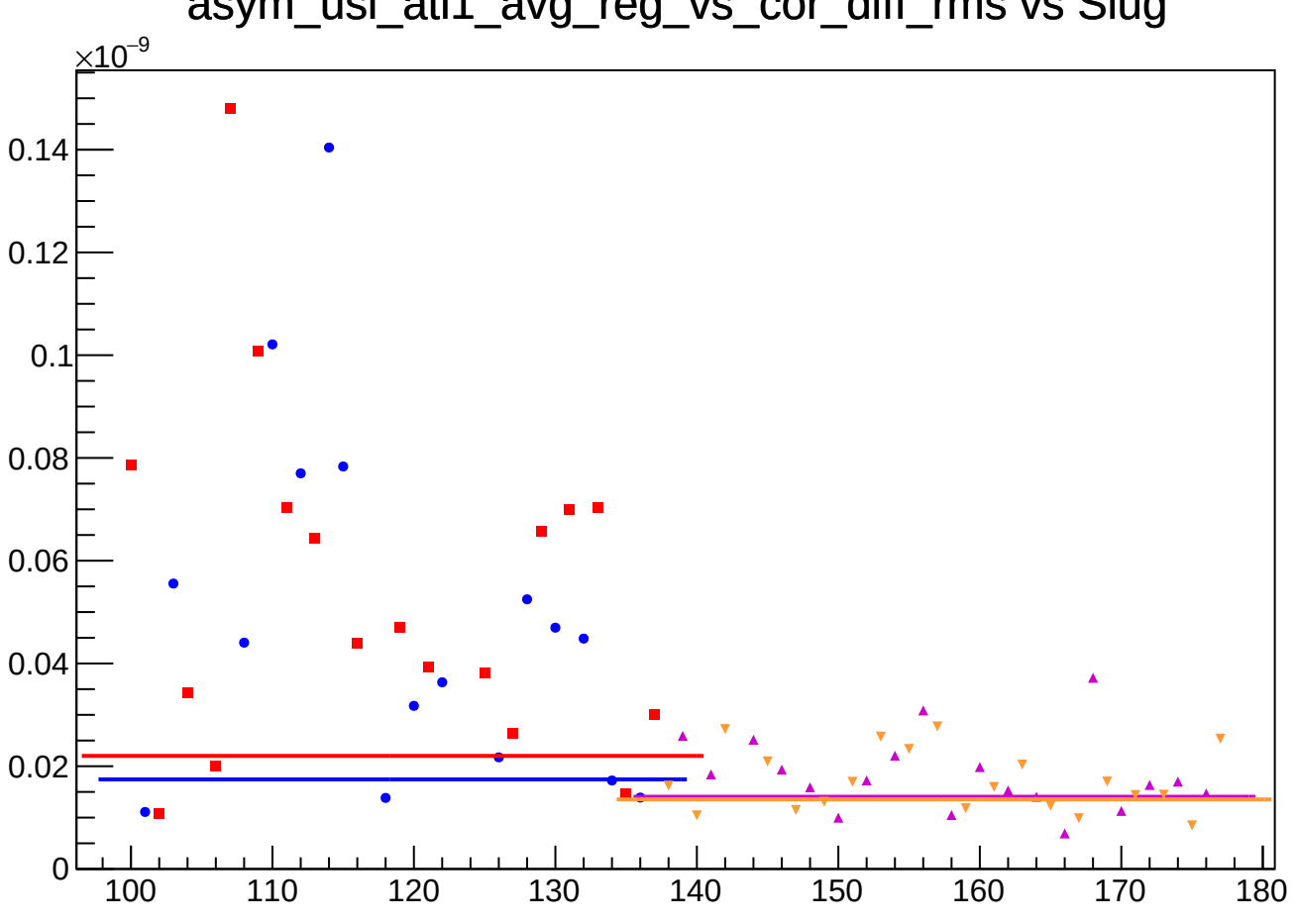
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 35.8/35

All: 0.000+/-0.000 χ^2/NDF: 68.2/72

- sign 0.000+/-0.000 χ^2/NDF: 32.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1253650.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

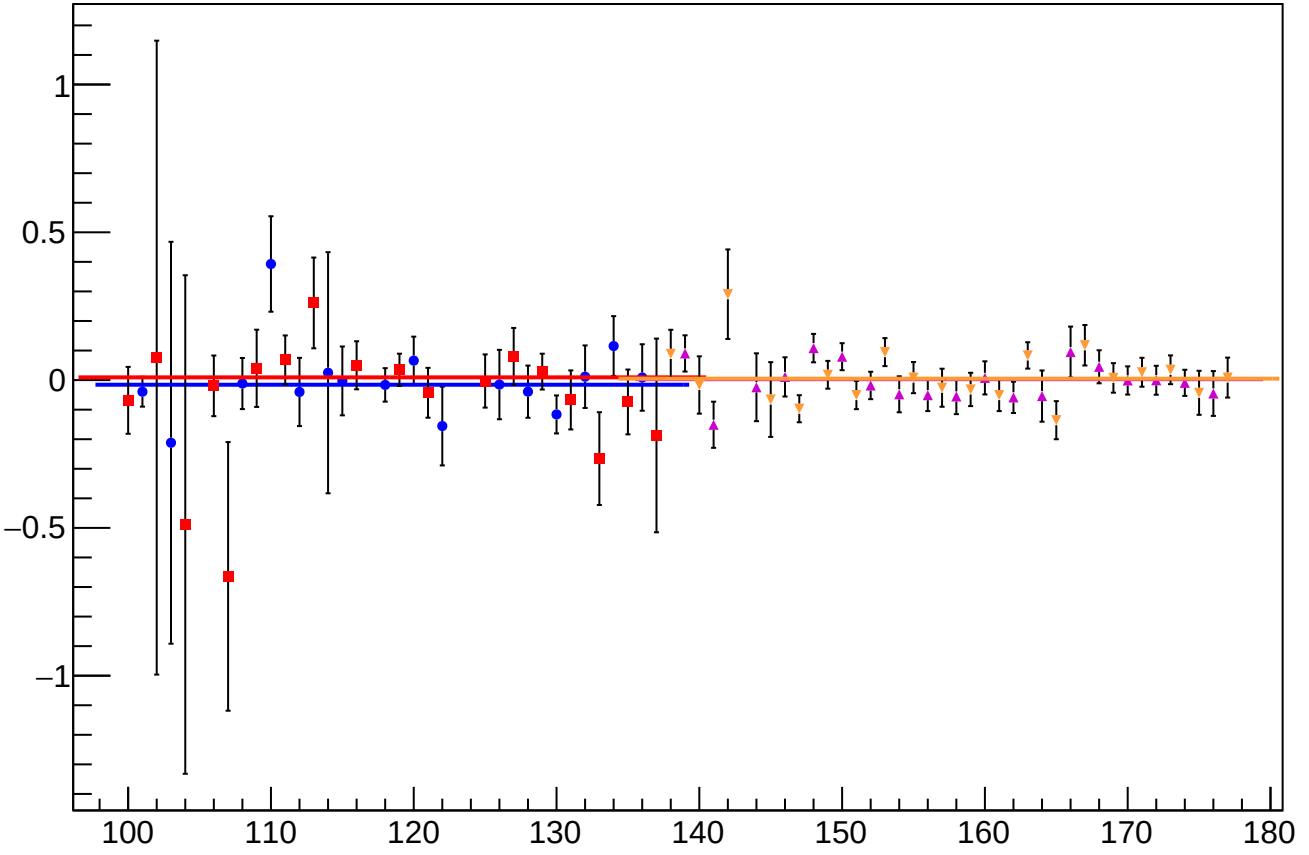
Left In: 0.000+/-0.000 χ^2/NDF:1772170.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 3240153.9/35

All: 0.000+/-0.000 χ^2/NDF: 7510813.8/72

- sign 0.000+/-0.000 χ^2/NDF: 4251391.7/36

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:28.2/19

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

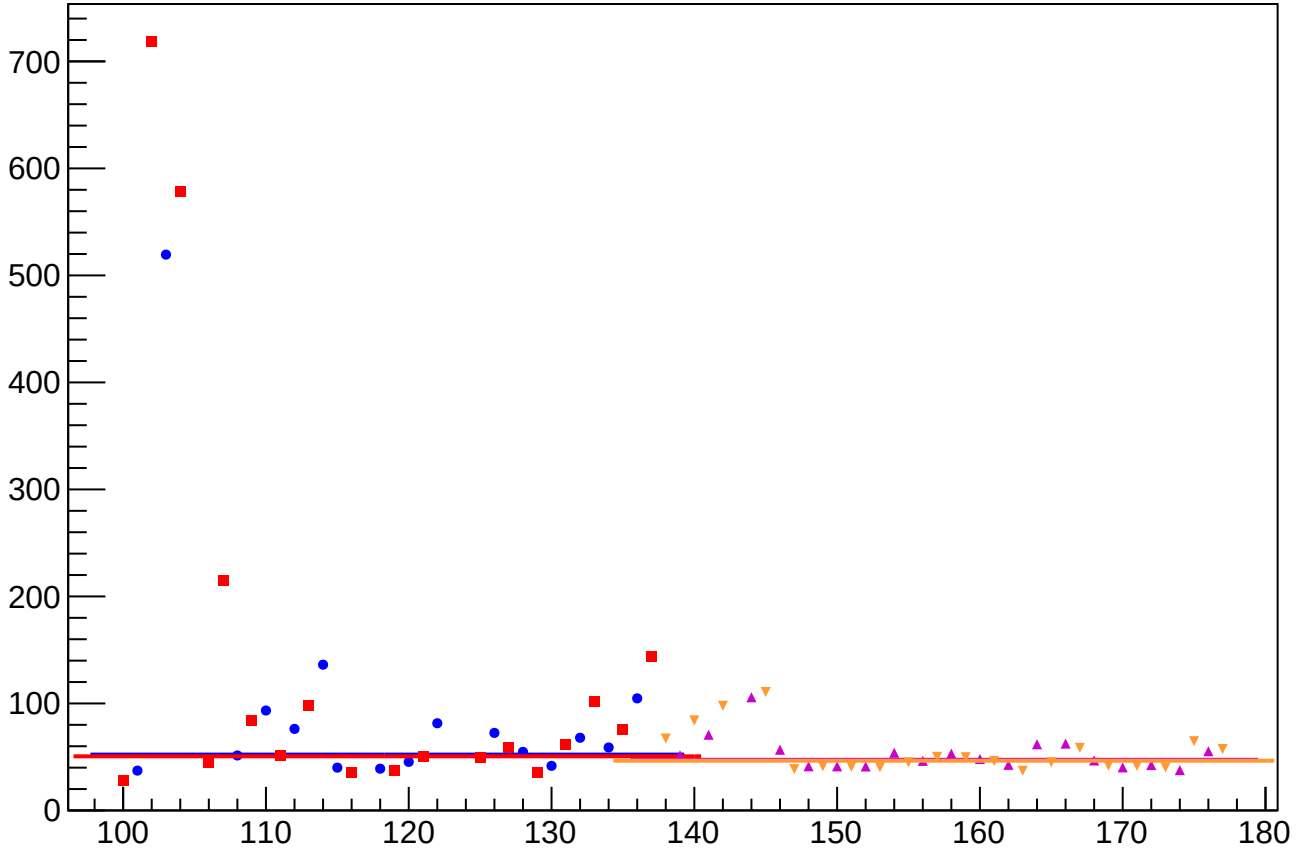
Left In: 0.003+/-0.013 χ^2/NDF:20.4/18

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/35

All: 0.002+/-0.008 χ^2/NDF: 75.1/72

- sign 0.005+/-0.011 χ^2/NDF: 32.9/36

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: 46.481+/-0.009 χ^2/NDF:1726239.9/19

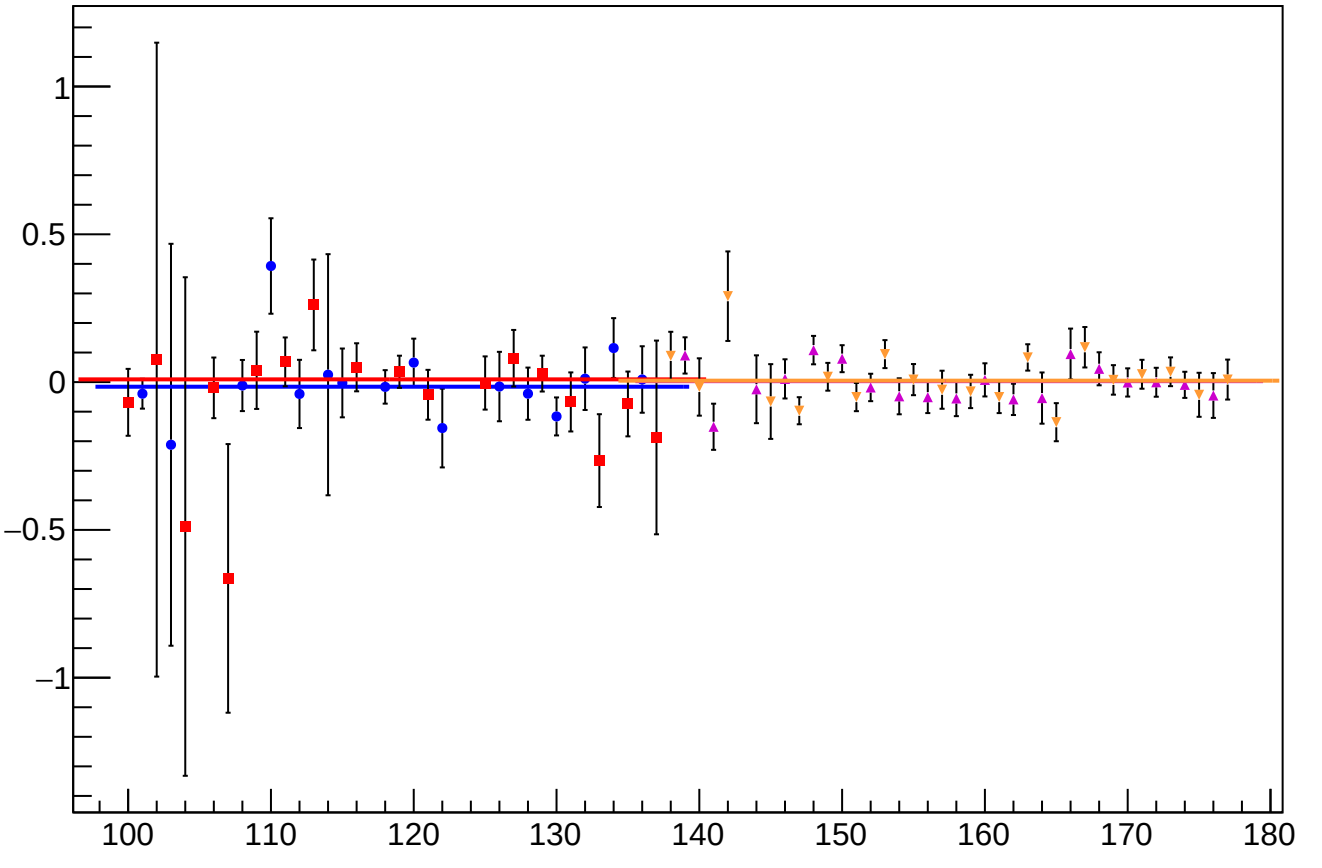
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.318+/-0.009 χ^2/NDF:1209225.0/18

+ sign 47.876+/-0.008 χ^2/NDF: 4089276.2/35

All: 47.980+/-0.006 χ^2/NDF: 8379461.2/72

- sign 48.089+/-0.008 χ^2/NDF: 4289830.6/36



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

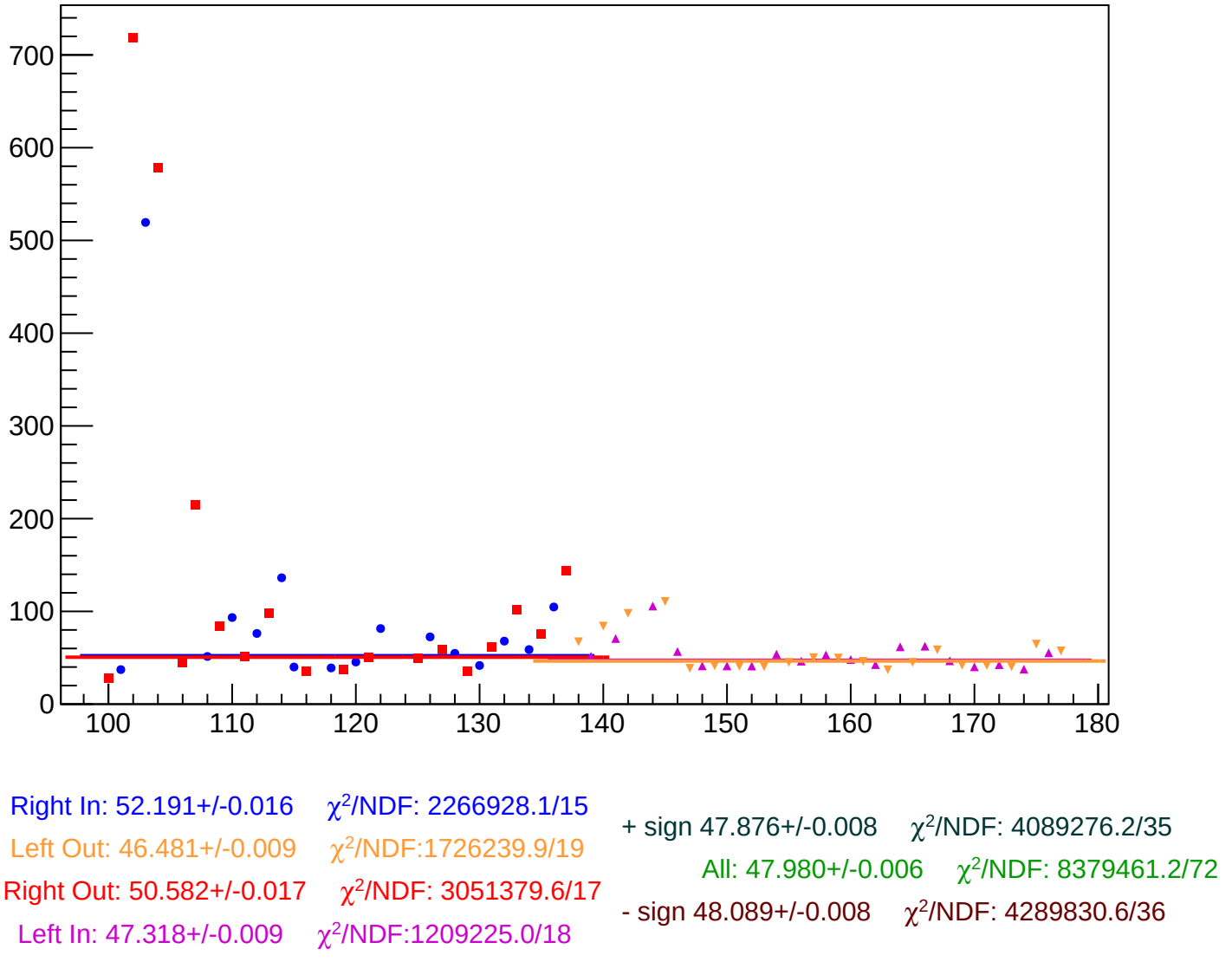
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

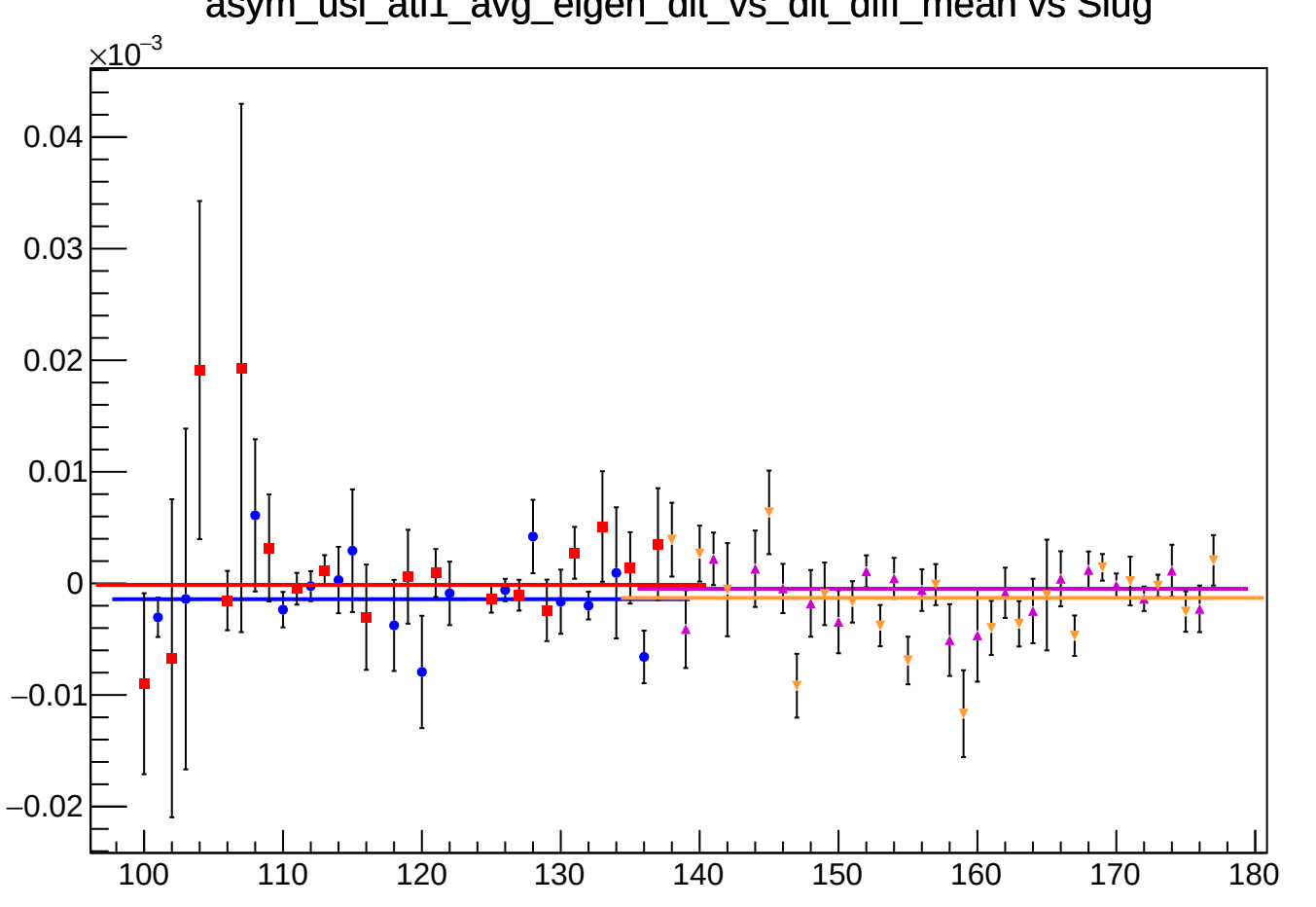
Left In: 0.003+/-0.013 χ^2/NDF:20.4/18

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/35

All: 0.002+/-0.008 χ^2/NDF: 75.1/72

- sign 0.005+/-0.011 χ^2/NDF: 32.9/36


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 52.191+/-0.016 χ²/NDF: 2266928.1/15
Left Out: 46.481+/-0.009 χ²/NDF:1726239.9/19
Right Out: 50.582+/-0.017 χ²/NDF: 3051379.6/17
Left In: 47.318+/-0.009 χ²/NDF:1209225.0/18
+ sign 47.876+/-0.008 χ²/NDF: 4089276.2/35
All: 47.980+/-0.006 χ²/NDF: 8379461.2/72
- sign 48.089+/-0.008 χ²/NDF: 4289830.6/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:48.8/19

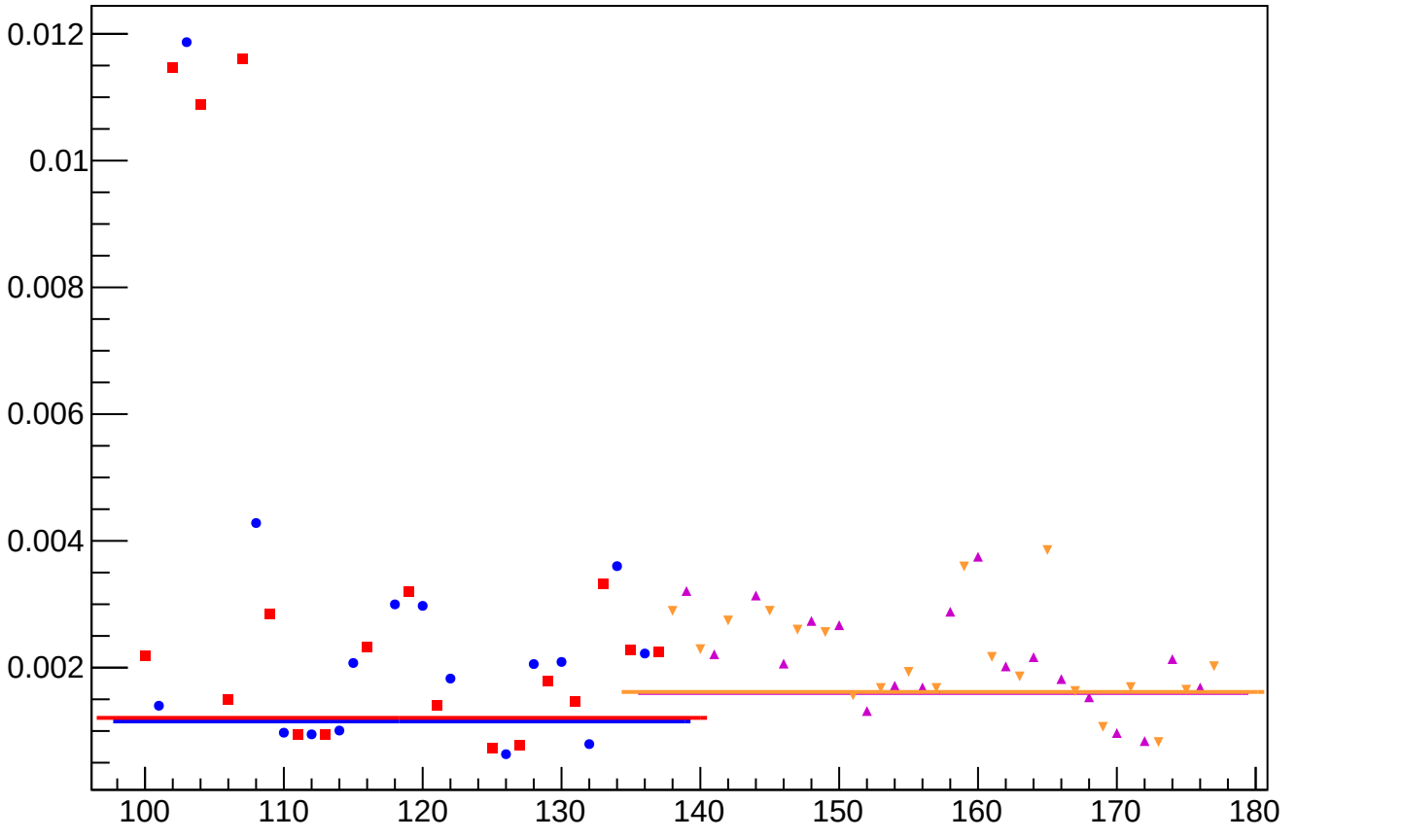
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:12.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 63.7/35

All: -0.000+/-0.000 χ^2/NDF: 92.0/72

- sign -0.000+/-0.000 χ^2/NDF: 23.9/36



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:4170803.3/19

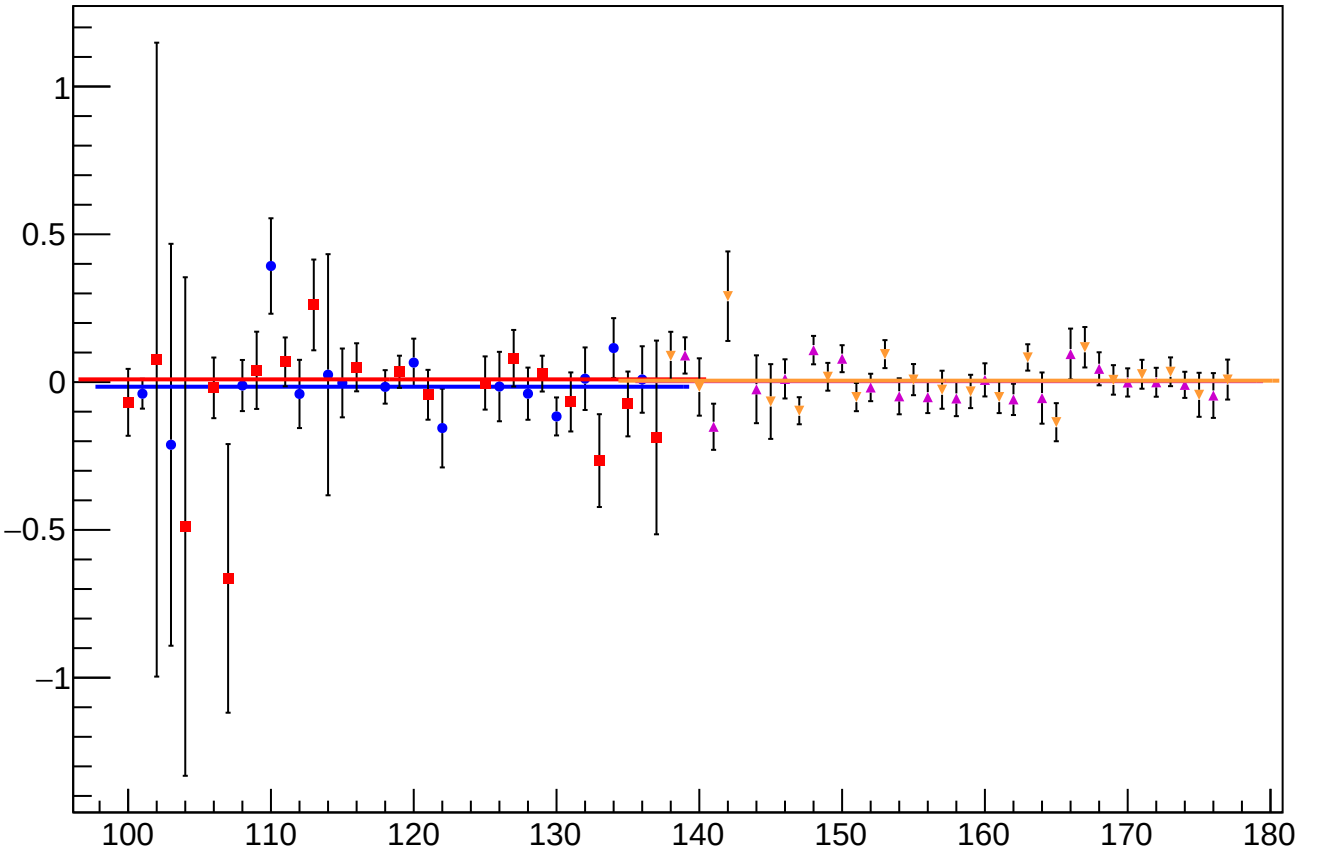
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4494278.7/18

+ sign 0.001+/-0.000 χ^2/NDF: 9282152.2/35

All: 0.001+/-0.000 χ^2/NDF: 18910893.9/72

- sign 0.001+/-0.000 χ^2/NDF: 9621658.6/36



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

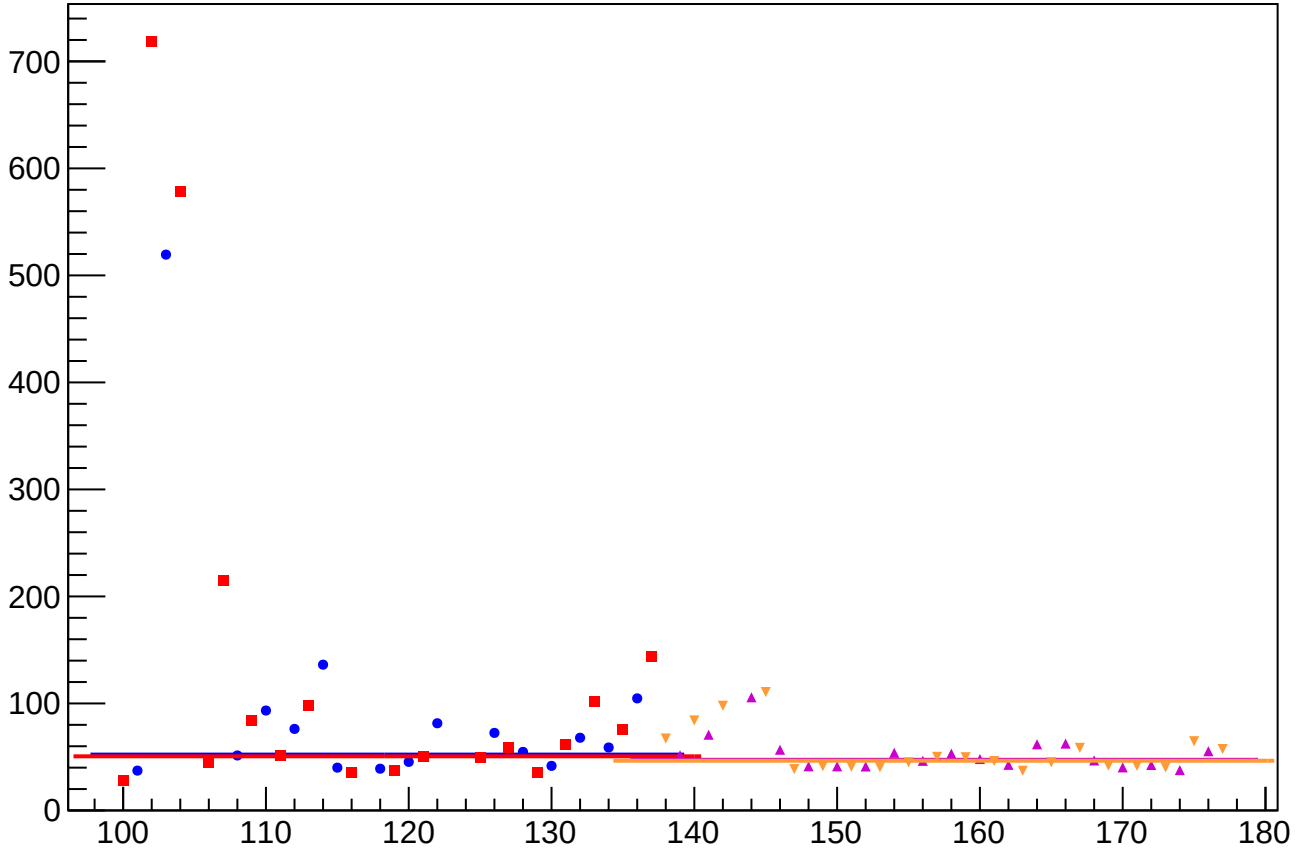
Left In: 0.003+/-0.013 χ^2/NDF:20.4/18

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/35

All: 0.002+/-0.008 χ^2/NDF: 75.1/72

- sign 0.005+/-0.011 χ^2/NDF: 32.9/36

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.481+/-0.009 χ^2/NDF:1726219.2/19

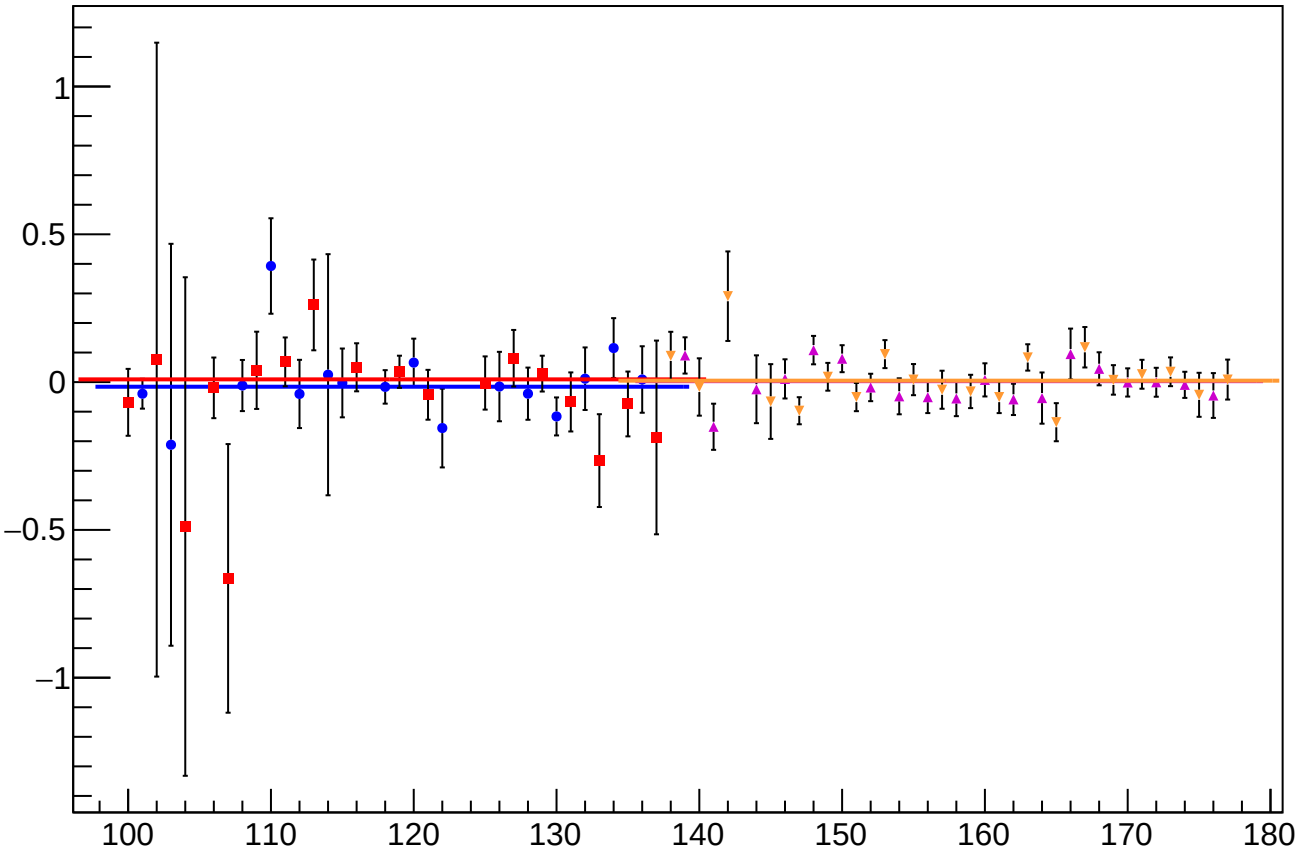
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.318+/-0.009 χ^2/NDF:1209224.2/18

+ sign 47.876+/-0.008 χ^2/NDF: 4089238.4/35

All: 47.980+/-0.006 χ^2/NDF: 8379401.2/72

- sign 48.089+/-0.008 χ^2/NDF: 4289808.8/36



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

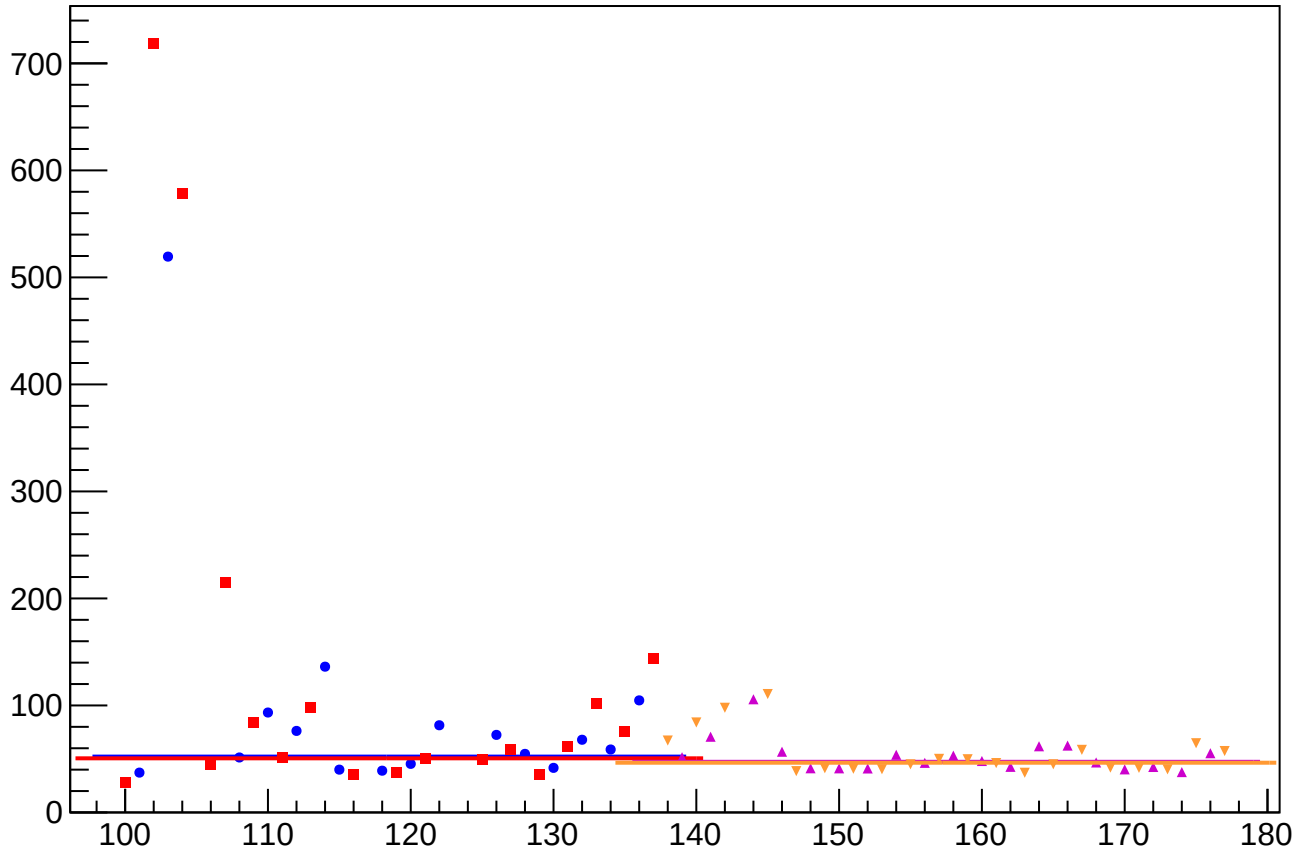
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.003+/-0.013 χ^2/NDF:20.4/18

+ sign -0.000+/-0.011 χ^2/NDF: 42.0/35

All: 0.002+/-0.008 χ^2/NDF: 75.1/72

- sign 0.005+/-0.011 χ^2/NDF: 32.9/36



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.481+/-0.009 χ^2/NDF:1726219.2/19

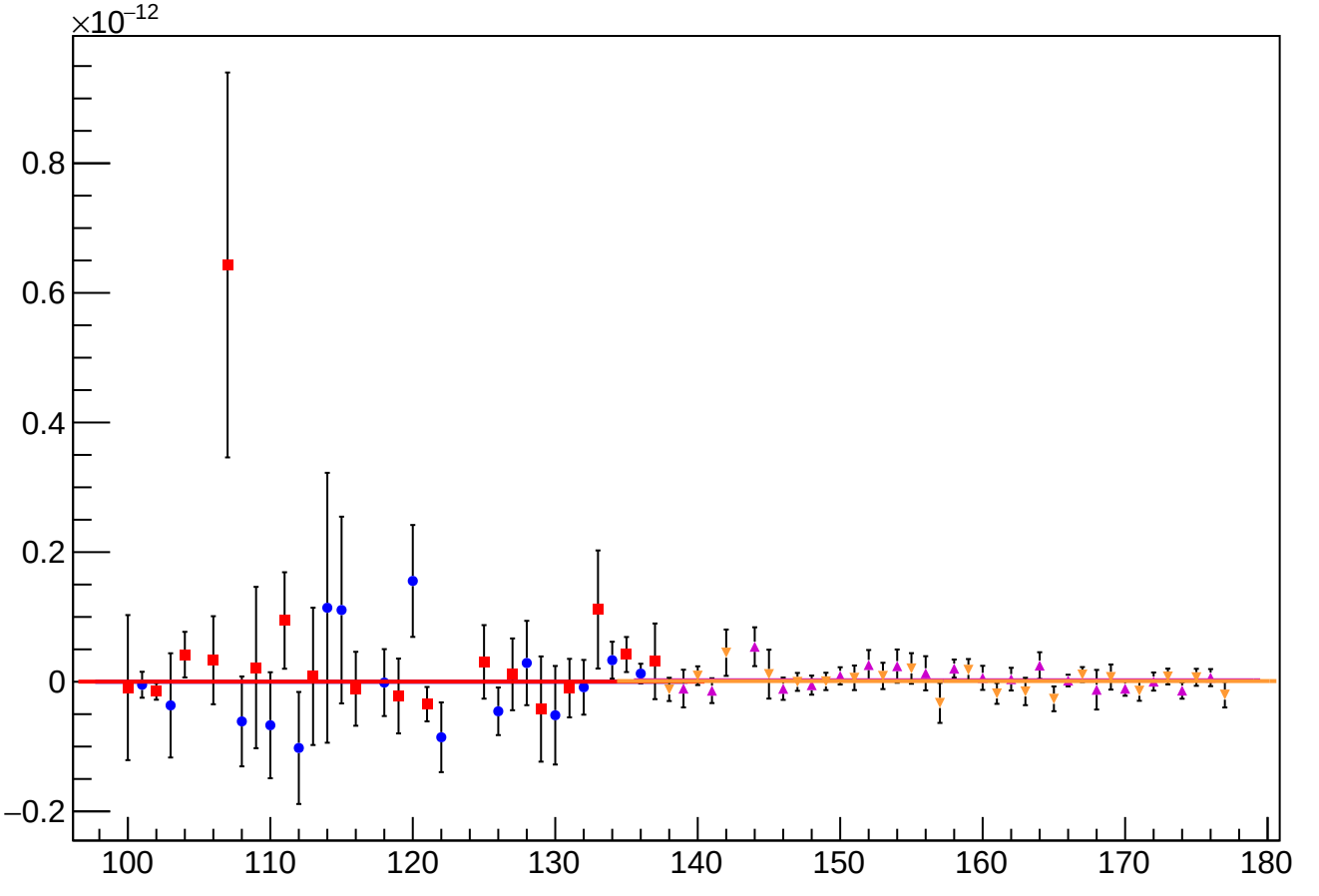
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.318+/-0.009 χ^2/NDF:1209224.2/18

+ sign 47.876+/-0.008 χ^2/NDF: 4089238.4/35

All: 47.980+/-0.006 χ^2/NDF: 8379401.2/72

- sign 48.089+/-0.008 χ^2/NDF: 4289808.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/19

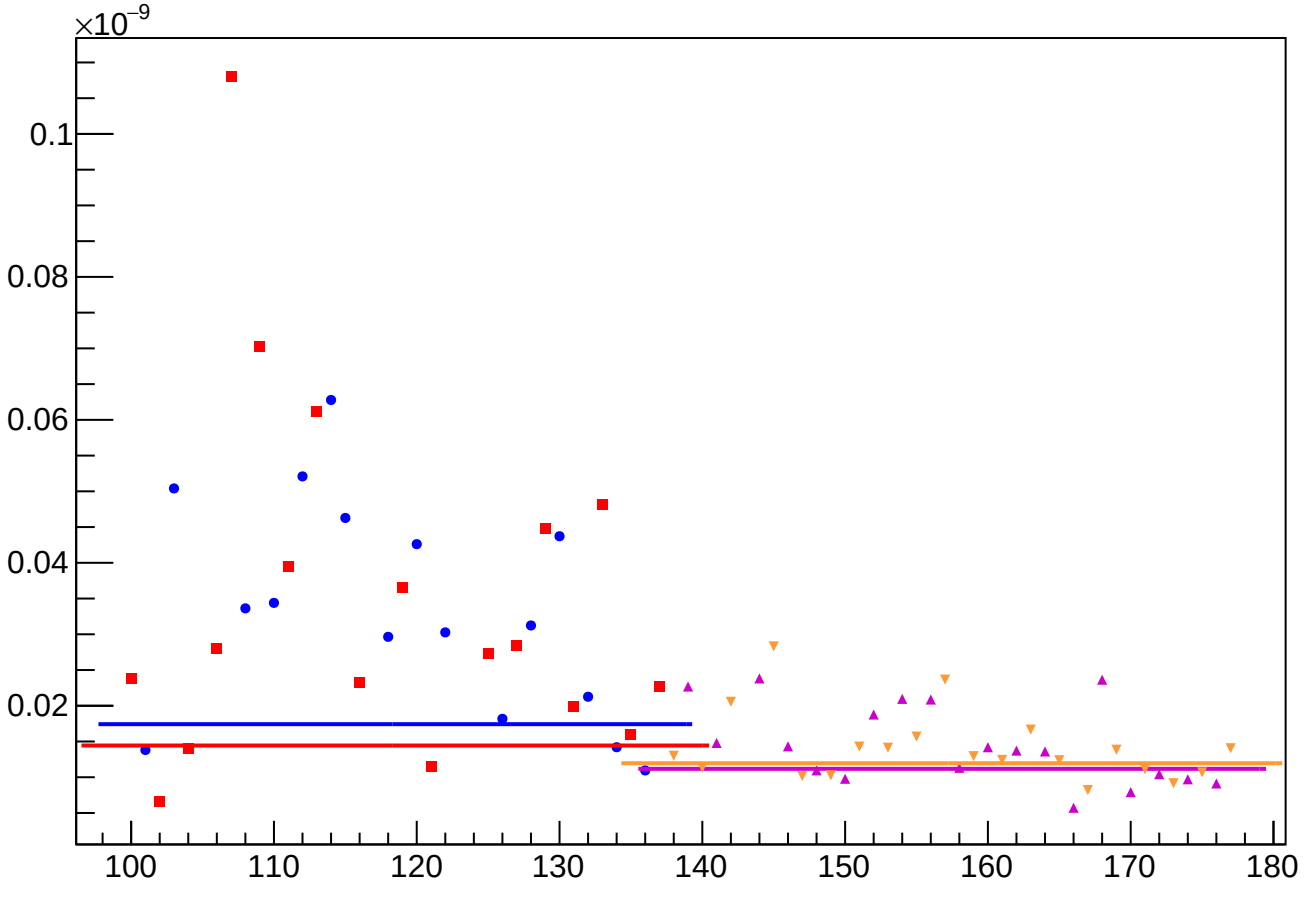
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 27.2/35

All: 0.000+/-0.000 χ^2/NDF: 56.4/72

- sign 0.000+/-0.000 χ^2/NDF: 29.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1449461.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

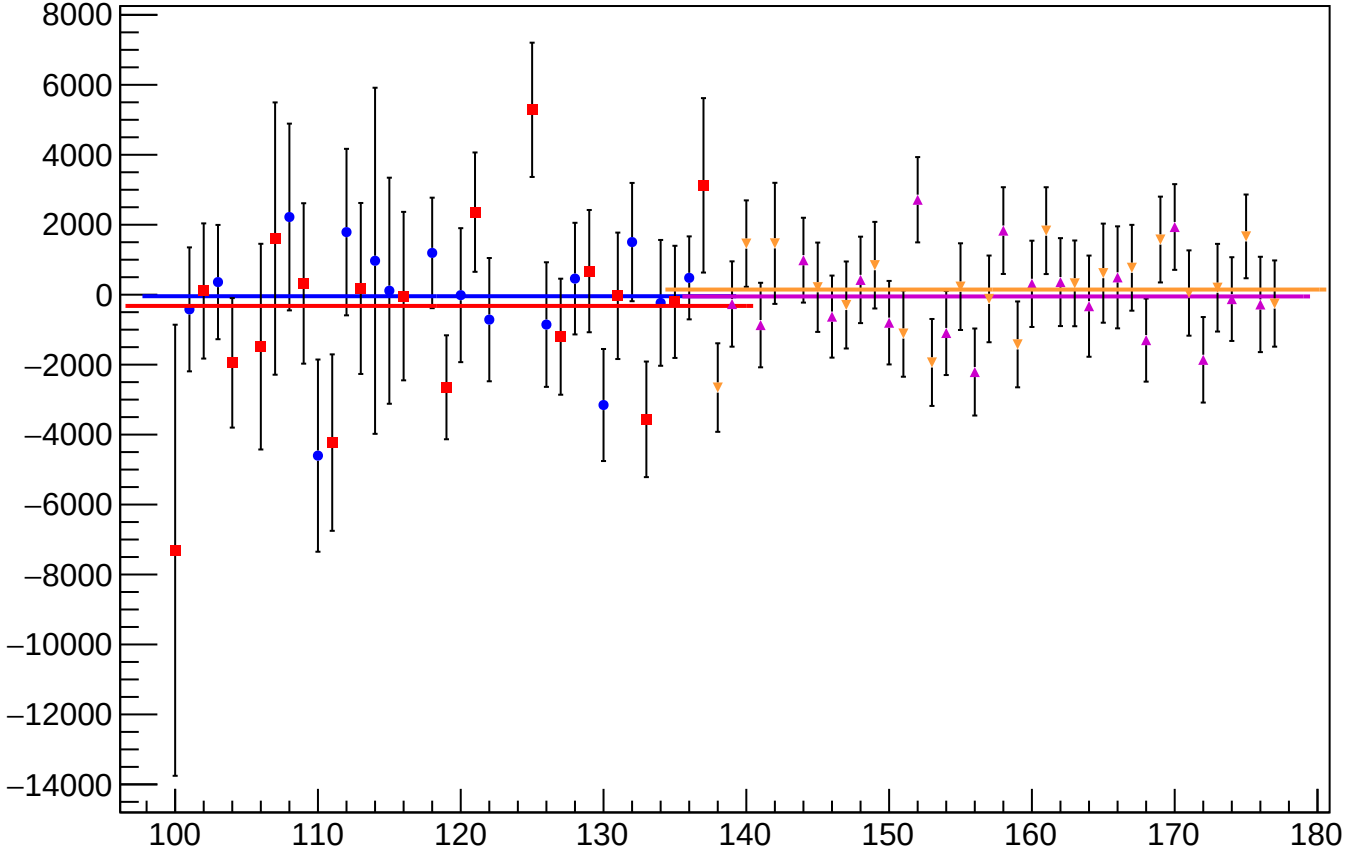
Left In: 0.000+/-0.000 χ^2/NDF:3059583.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 4256598.5/35

All: 0.000+/-0.000 χ^2/NDF: 10905035.8/72

- sign 0.000+/-0.000 χ^2/NDF: 6548788.0/36

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 146.975+/-281.714 χ^2/NDF:17.9/19

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

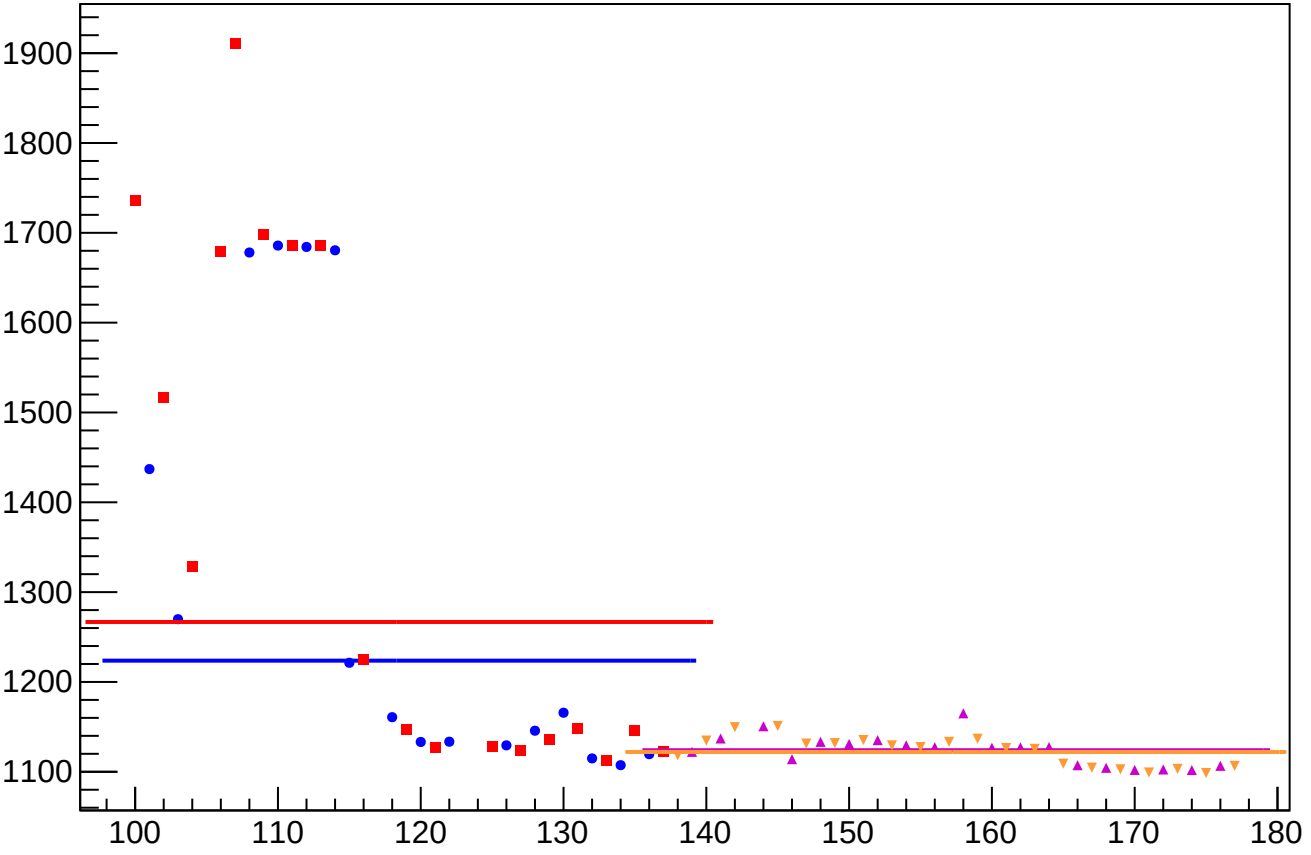
Left In: -50.170+/-285.142 χ^2/NDF:19.5/18

\+ sign 94.843+/-240.130 χ^2/NDF: 28.1/35

All: -11.637+/-171.310 χ^2/NDF: 73.1/72

\- sign -121.997+/-244.467 χ^2/NDF: 44.6/36

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

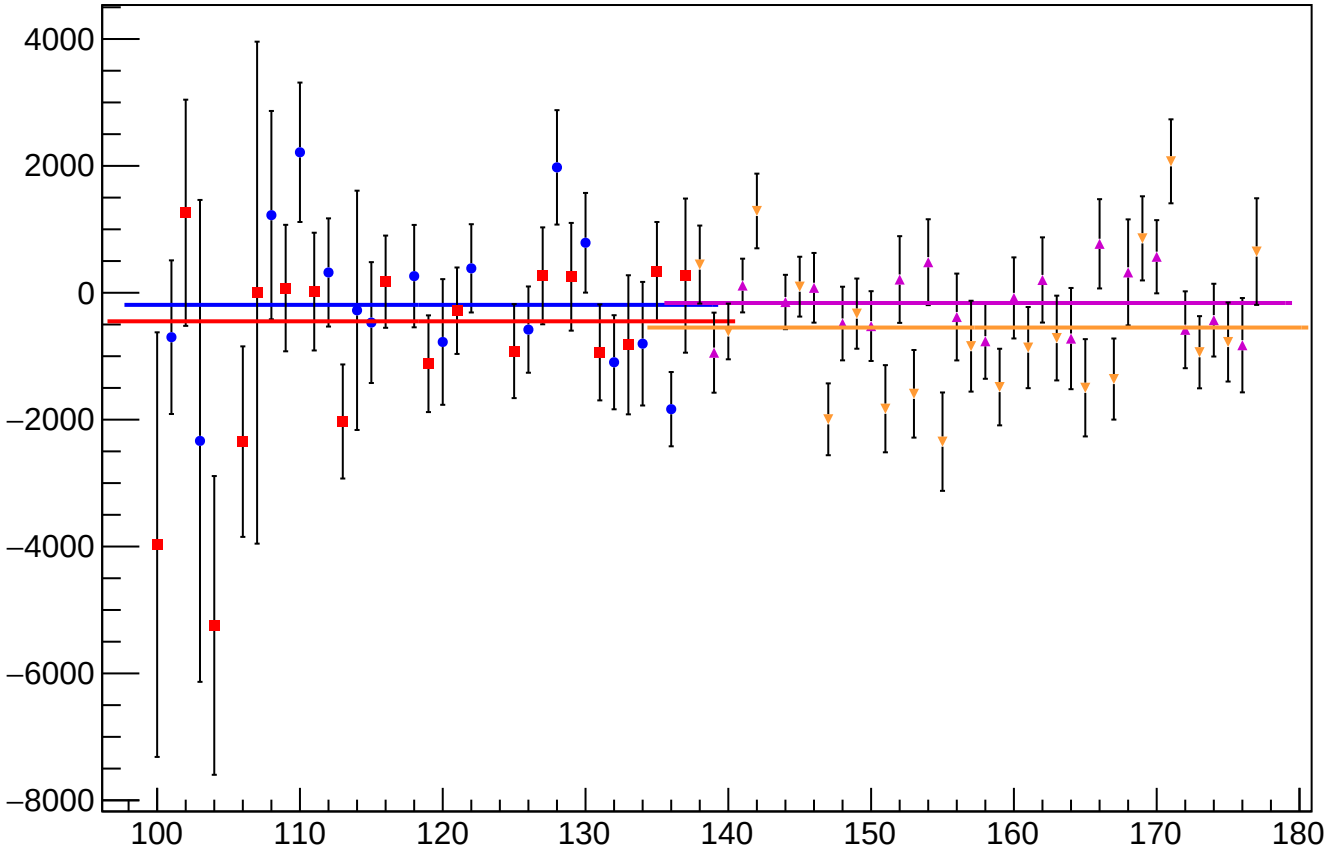
Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

+ sign 1149.844+/-0.170 χ^2/NDF: 372327.9/35

All: 1155.731+/-0.121 χ^2/NDF: 947522.7/72

- sign 1161.833+/-0.173 χ^2/NDF: 572746.6/36

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -548.026+/-137.815 χ^2/NDF:60.9/19

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

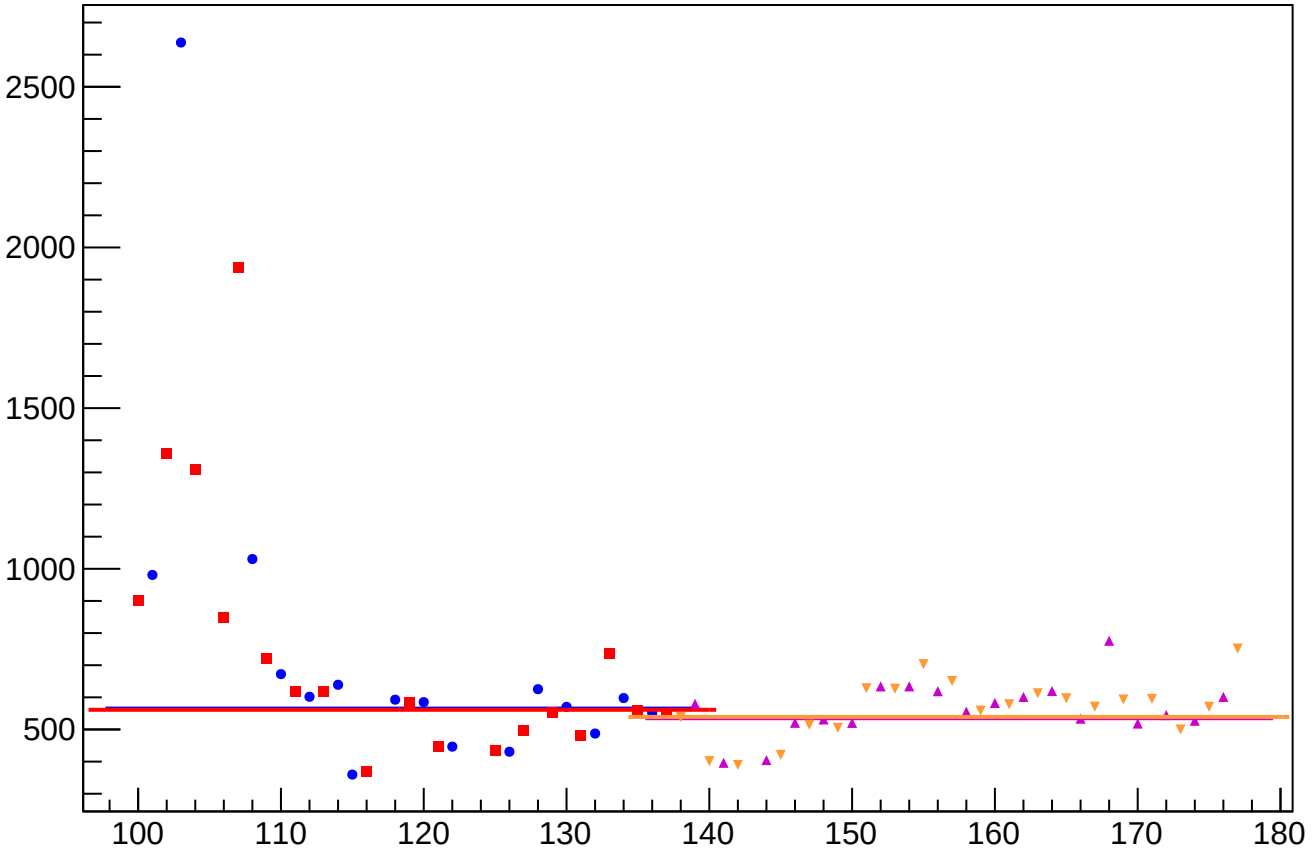
Left In: -161.164+/-137.741 χ^2/NDF:11.2/18

+ sign -449.168+/-117.215 χ^2/NDF: 88.0/35

All: -344.978+/-82.885 χ^2/NDF: 118.8/72

- sign -240.782+/-117.218 χ^2/NDF: 29.3/36

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 539.056+/-0.097 χ^2/NDF:888125.6/19

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

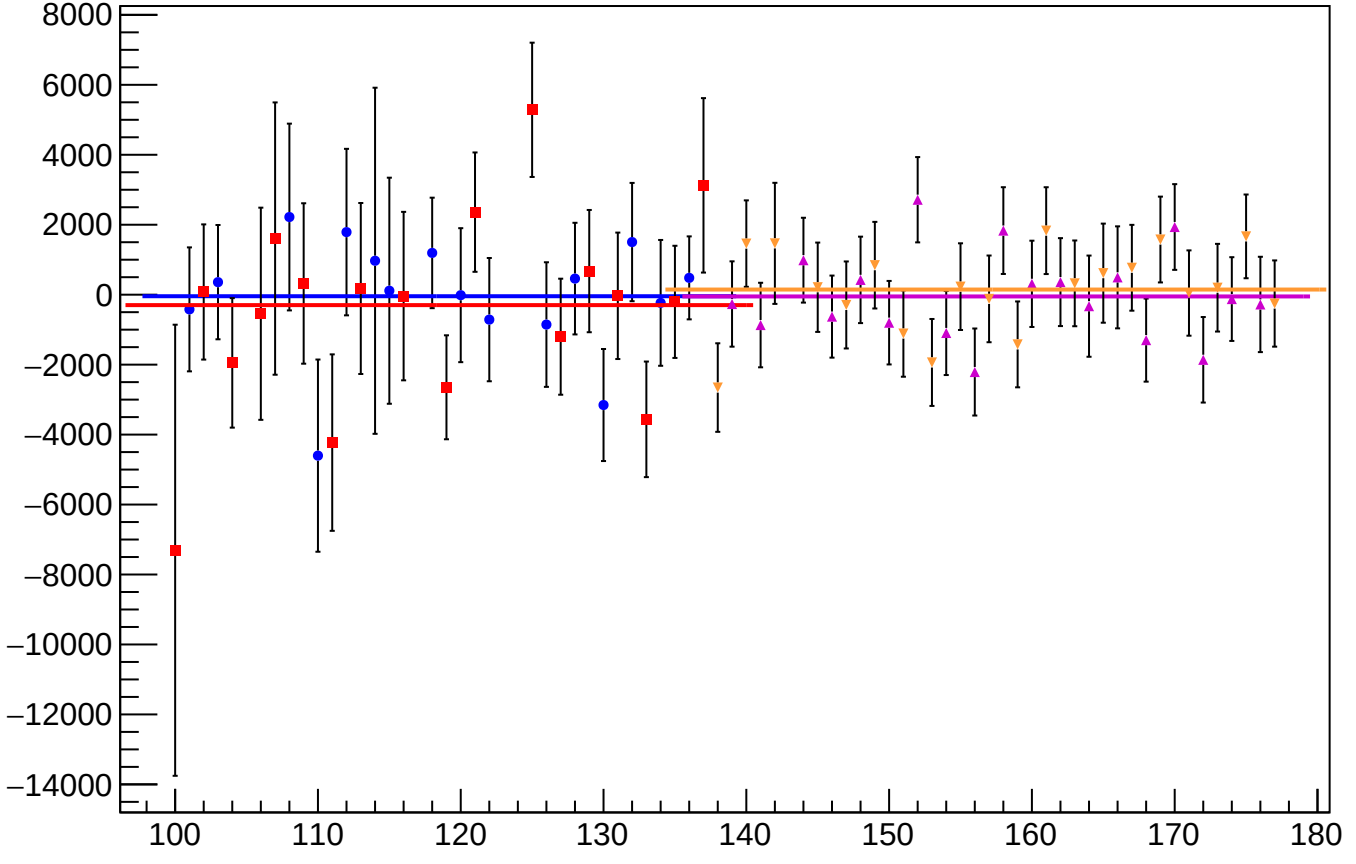
Left In: 535.067+/-0.097 χ^2/NDF:767568.8/18

+ sign 546.221+/-0.083 χ^2/NDF: 2192147.5/35

All: 544.254+/-0.059 χ^2/NDF: 4333003.0/72

- sign 542.286+/-0.083 χ^2/NDF: 2139728.8/36

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 147.029+/-281.714 χ^2/NDF:17.9/19

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

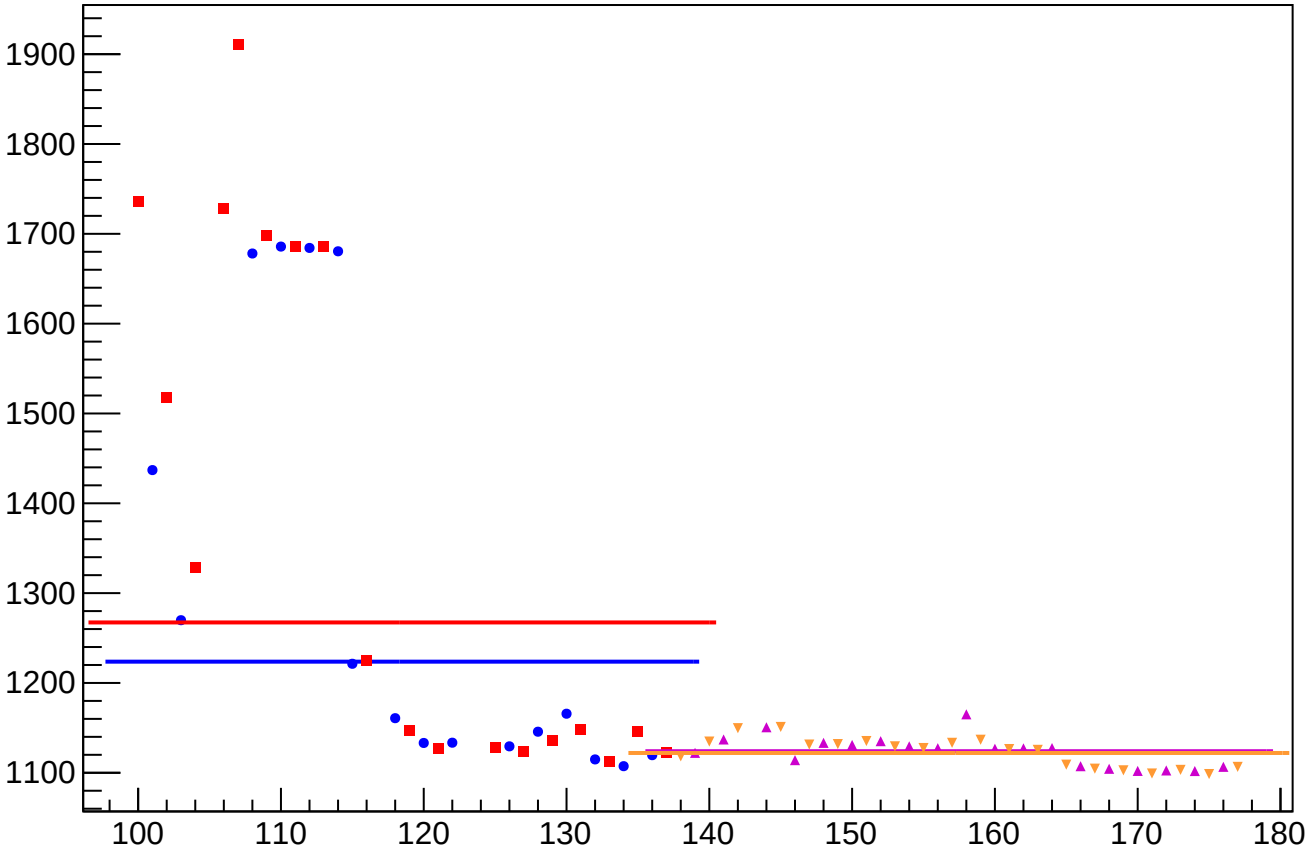
Left In: -50.168+/-285.142 χ^2/NDF:19.5/18

+ sign 94.817+/-240.130 χ^2/NDF: 28.1/35

All: -8.590+/-171.328 χ^2/NDF: 72.9/72

- sign -115.809+/-244.518 χ^2/NDF: 44.4/36

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

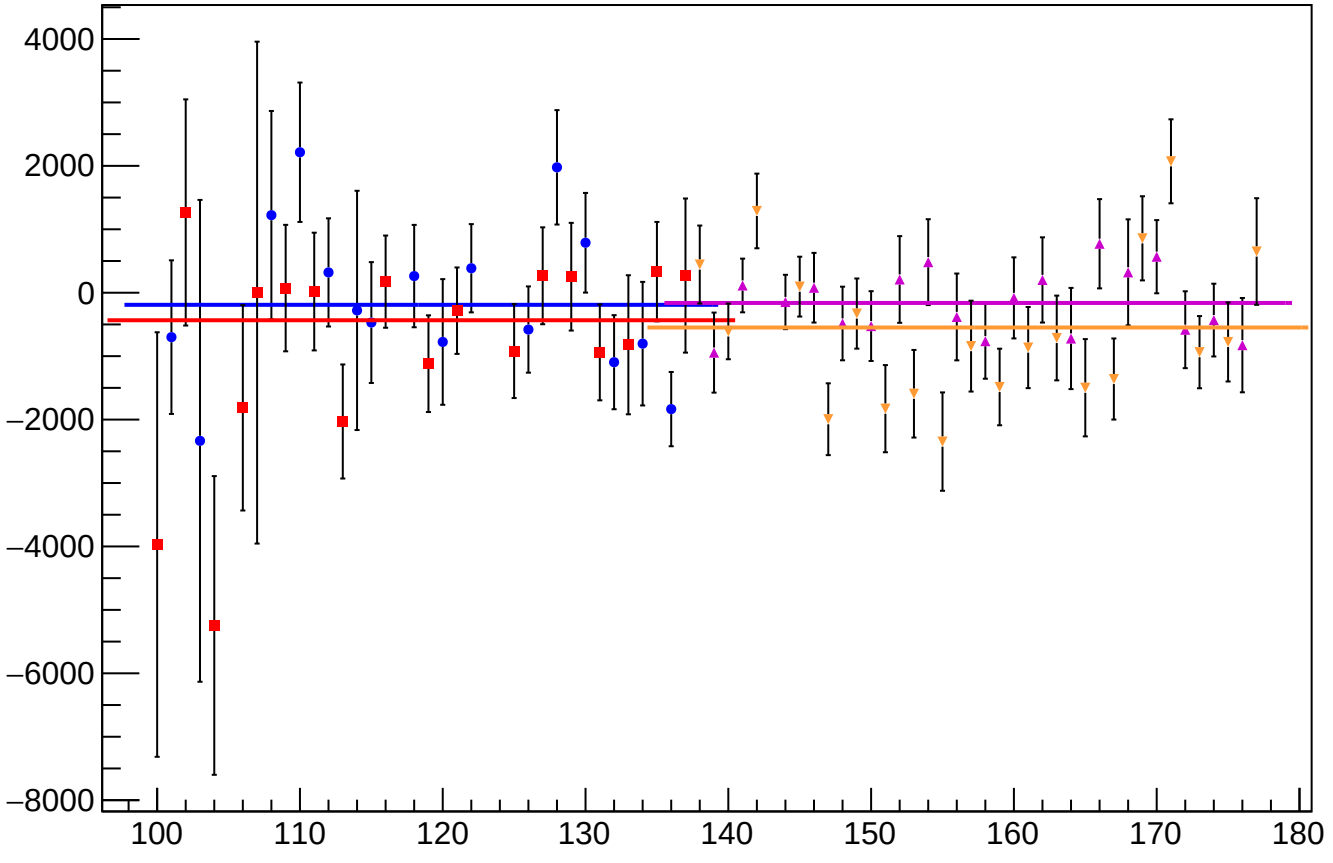
Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

+ sign 1149.844+/-0.170 χ^2/NDF: 372328.0/35

All: 1155.784+/-0.121 χ^2/NDF: 955637.0/72

- sign 1161.943+/-0.173 χ^2/NDF: 580816.0/36

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -548.042+/-137.814 χ^2/NDF:60.9/19

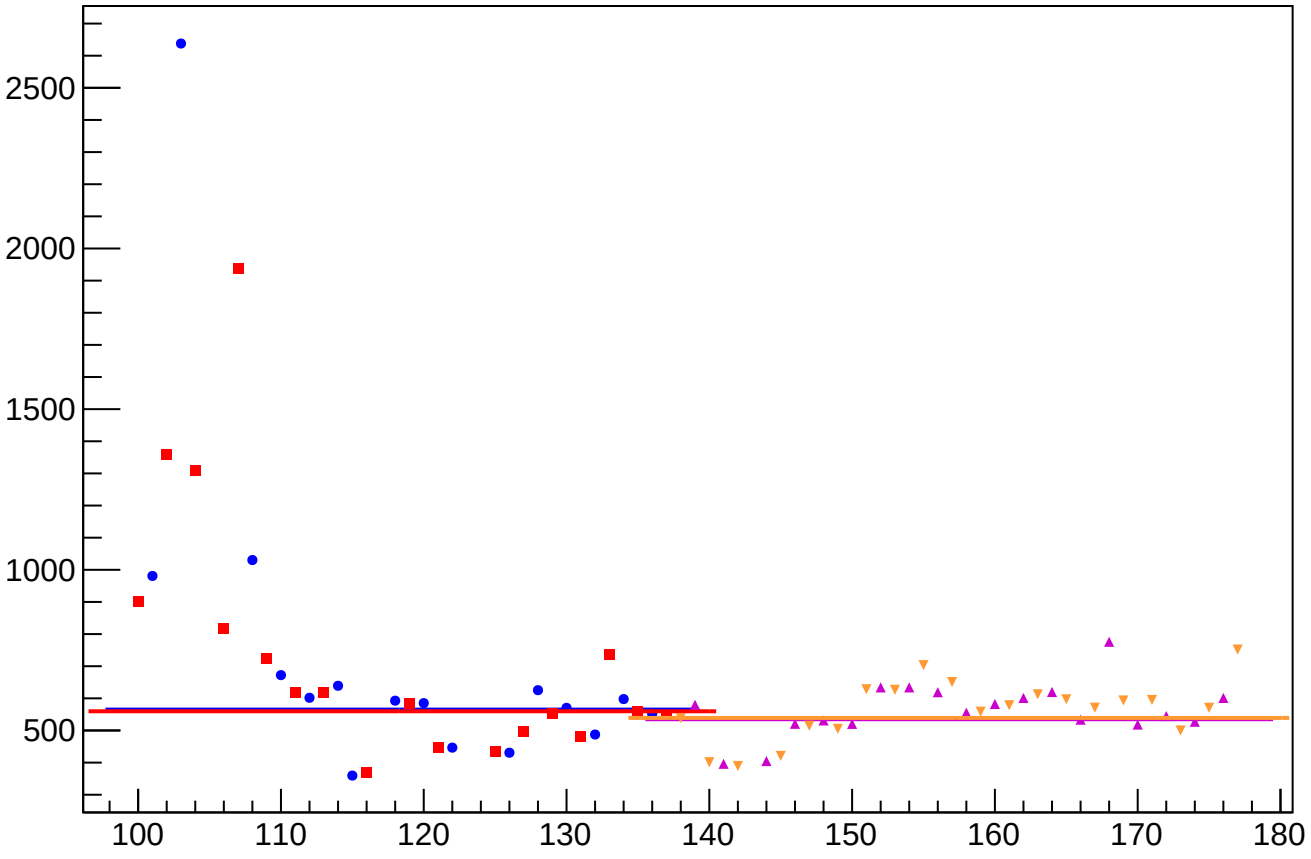
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -161.152+/-137.741 χ^2/NDF:11.2/18

+ sign -449.182+/-117.214 χ^2/NDF: 88.0/35

All: -342.740+/-82.902 χ^2/NDF: 117.9/72

- sign -236.201+/-117.268 χ^2/NDF: 28.3/36



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 539.054+/-0.097 χ^2/NDF:888119.9/19

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

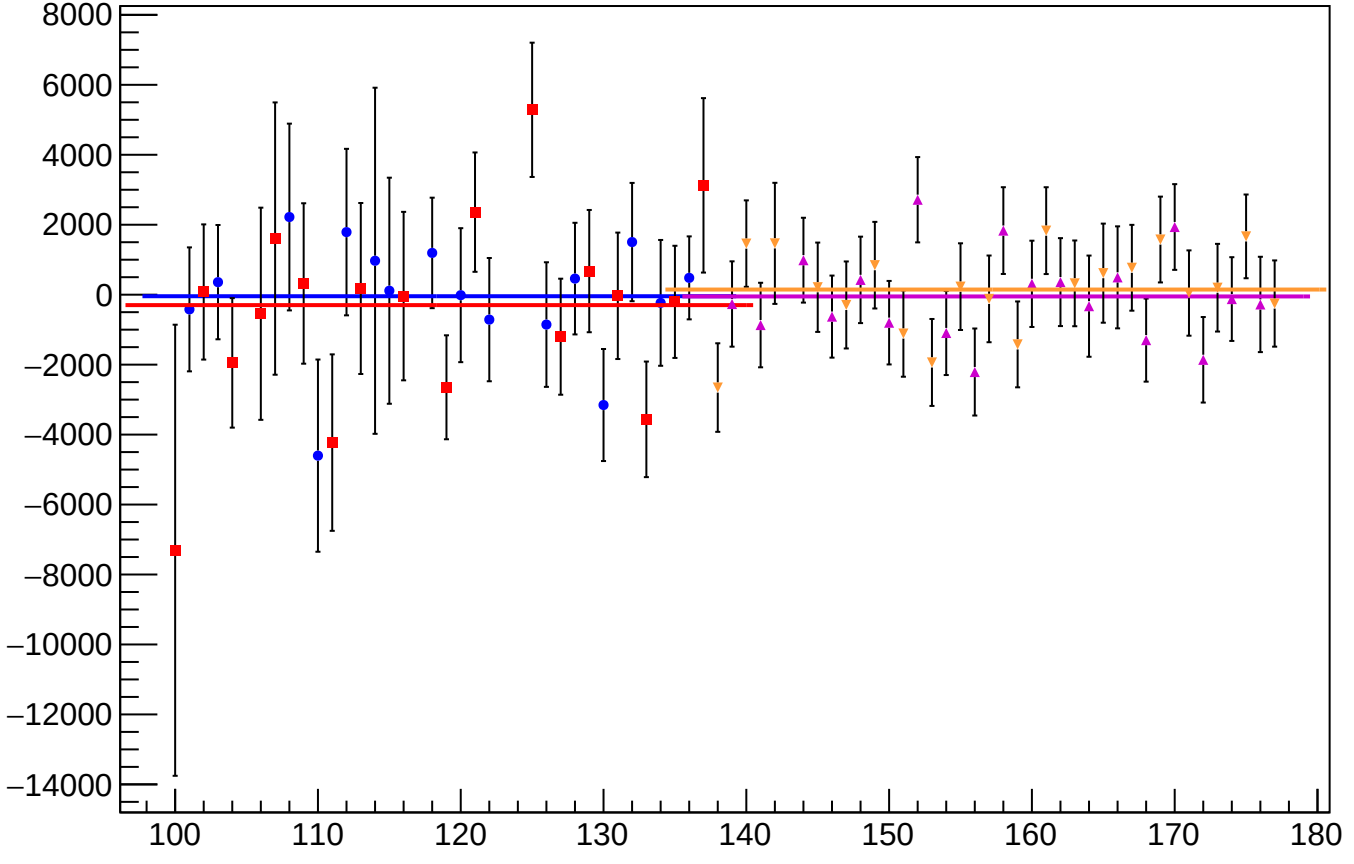
Left In: 535.066+/-0.097 χ^2/NDF:767520.3/18

+ sign 546.219+/-0.083 χ^2/NDF: 2192114.7/35

All: 544.041+/-0.059 χ^2/NDF: 4308059.2/72

- sign 541.861+/-0.083 χ^2/NDF: 2114563.0/36

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 147.029+/-281.714 χ^2/NDF:17.9/19

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

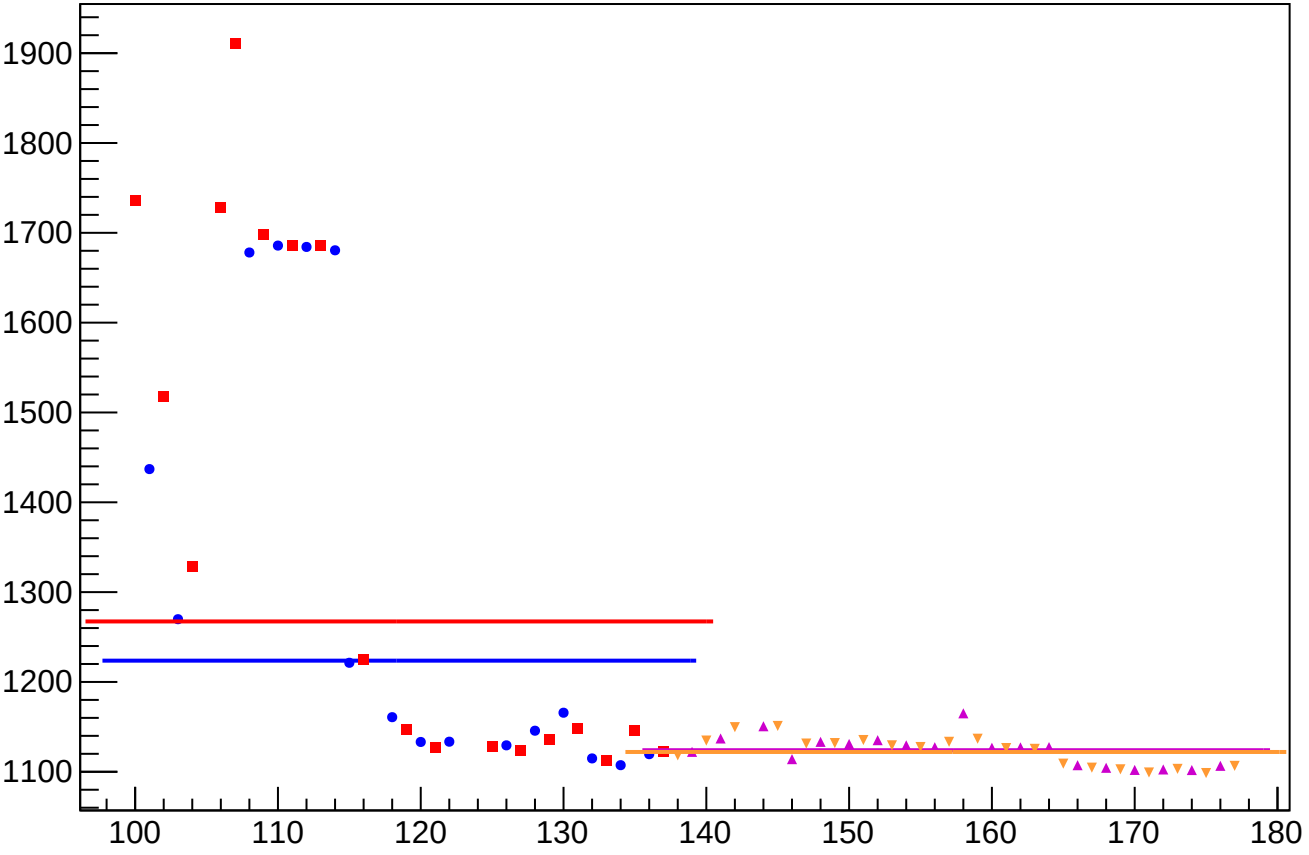
Left In: -50.168+/-285.142 χ^2/NDF:19.5/18

+ sign 94.817+/-240.130 χ^2/NDF: 28.1/35

All: -8.590+/-171.328 χ^2/NDF: 72.9/72

- sign -115.809+/-244.518 χ^2/NDF: 44.4/36

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

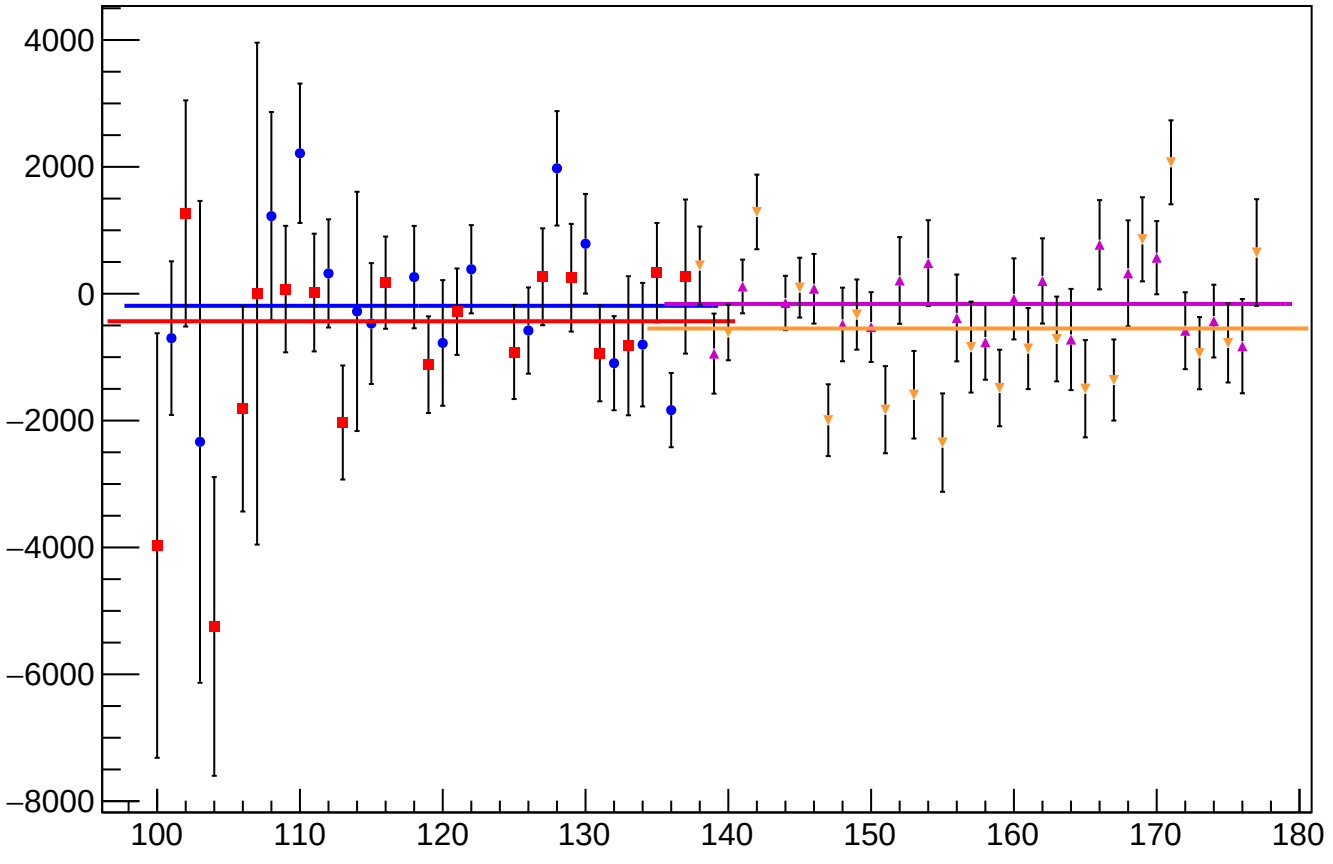
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

+ sign 1149.844+/-0.170 χ^2/NDF: 372328.0/35

All: 1155.784+/-0.121 χ^2/NDF: 955637.0/72

- sign 1161.943+/-0.173 χ^2/NDF: 580816.0/36



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -548.042+/-137.814 χ^2/NDF:60.9/19

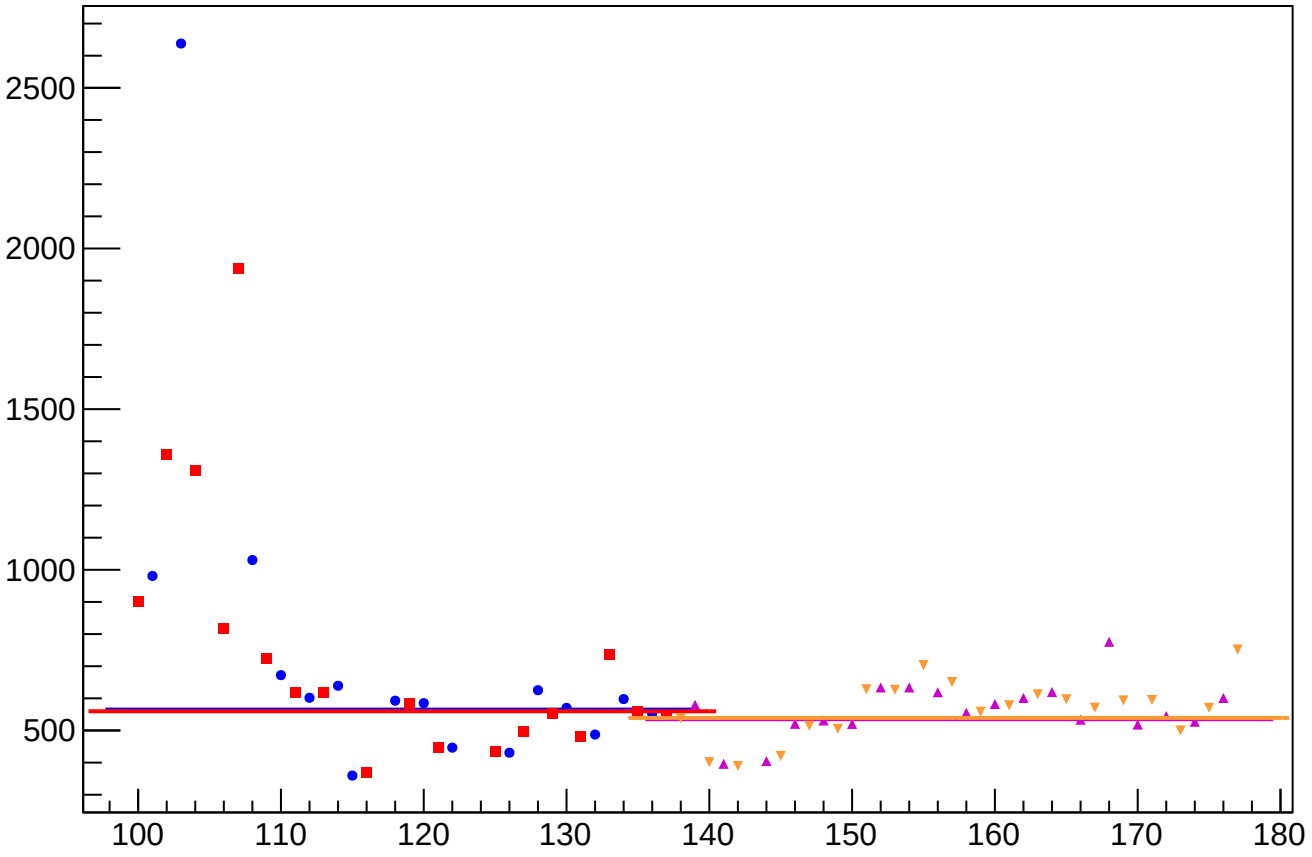
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -161.152+/-137.741 χ^2/NDF:11.2/18

+ sign -449.182+/-117.214 χ^2/NDF: 88.0/35

All: -342.740+/-82.902 χ^2/NDF: 117.9/72

- sign -236.201+/-117.268 χ^2/NDF: 28.3/36



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 539.054+/-0.097 χ^2/NDF:888119.9/19

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

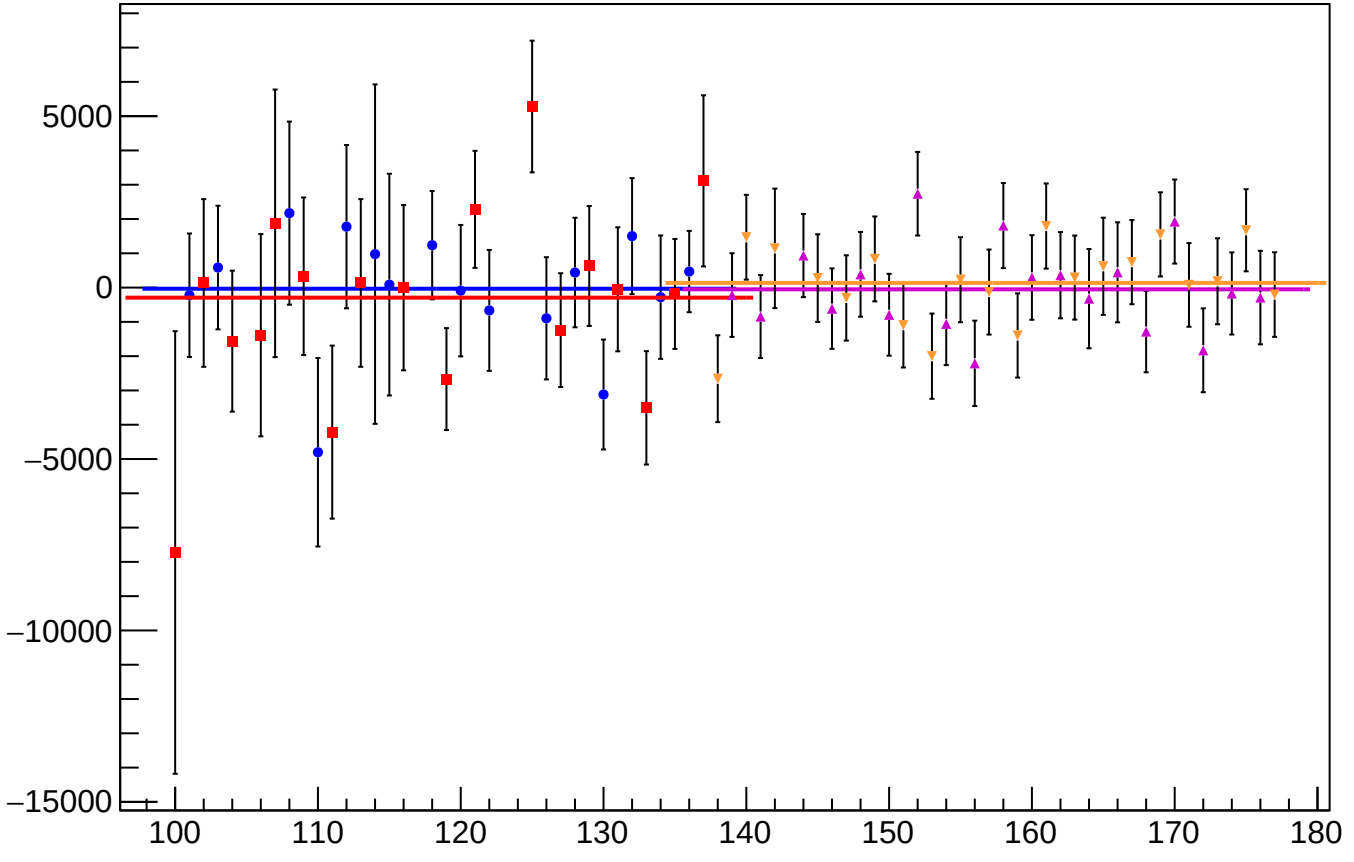
Left In: 535.066+/-0.097 χ^2/NDF:767520.3/18

+ sign 546.219+/-0.083 χ^2/NDF: 2192114.7/35

All: 544.041+/-0.059 χ^2/NDF: 4308059.2/72

- sign 541.861+/-0.083 χ^2/NDF: 2114563.0/36

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 136.481+/-281.880 χ^2/NDF:17.6/19

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

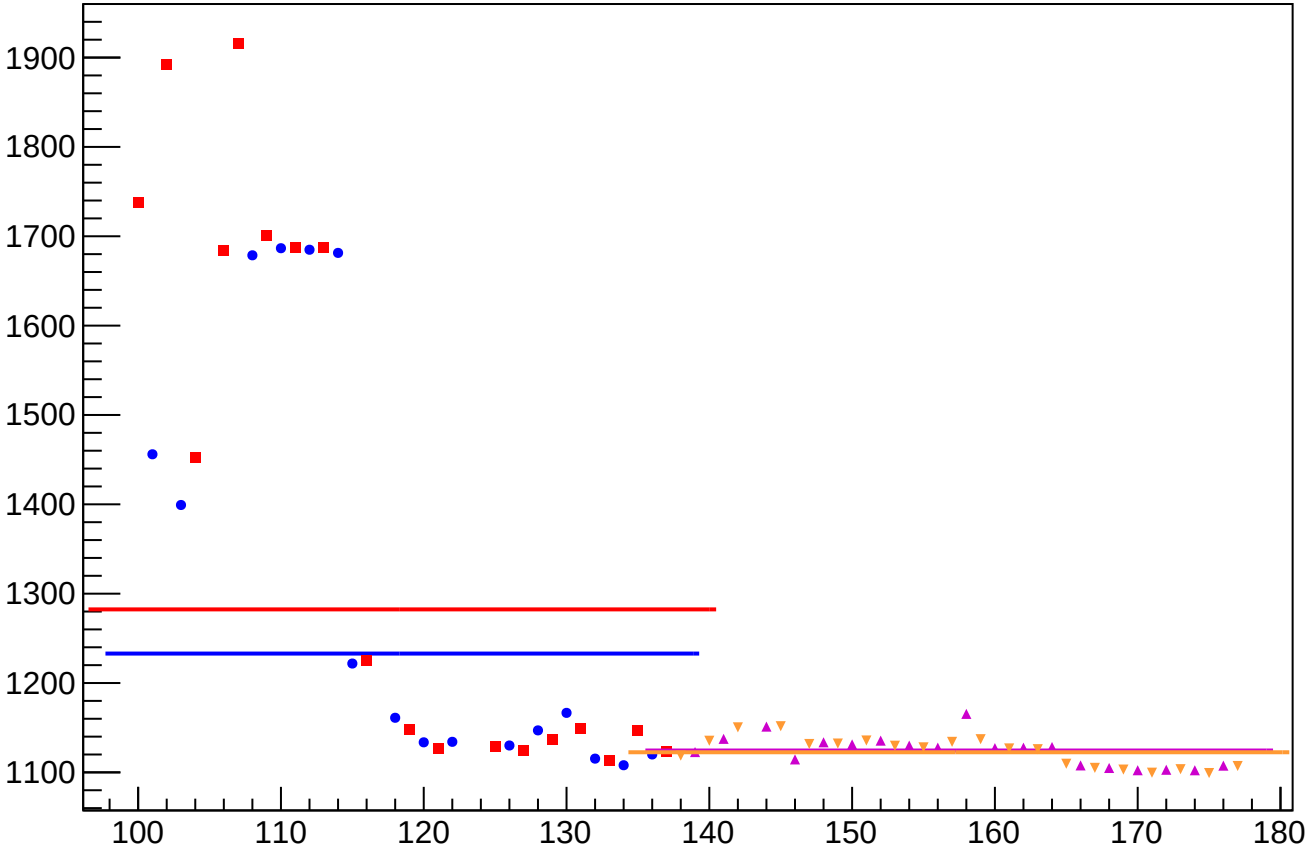
Left In: -50.939+/-285.258 χ^2/NDF:19.2/18

+ sign 90.664+/-240.800 χ^2/NDF: 28.0/35

All: -9.337+/-171.988 χ^2/NDF: 71.9/72

- sign -113.475+/-245.730 χ^2/NDF: 43.6/36

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1122.512+/-0.199 χ^2/NDF:6147.8/19

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

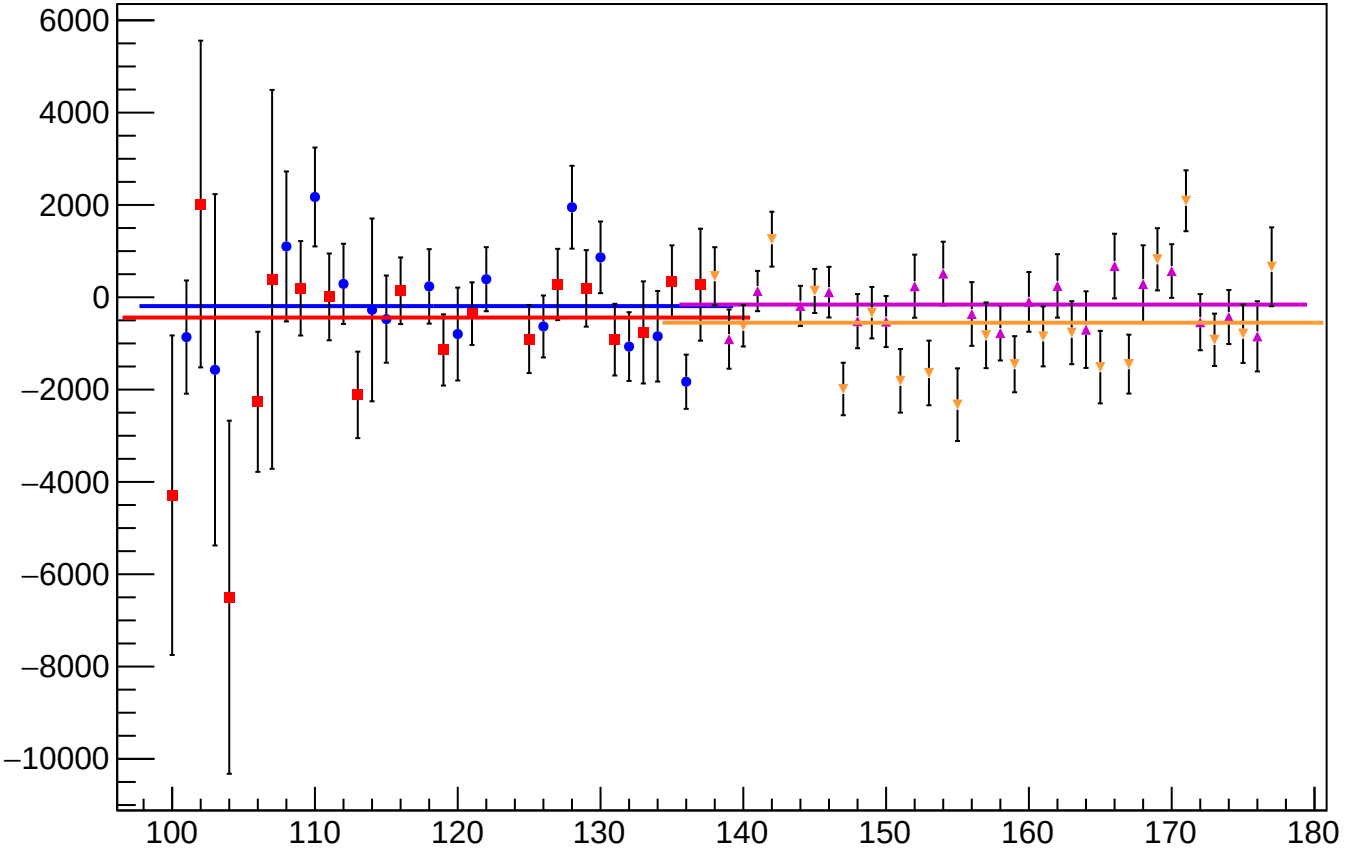
Left In: 1124.463+/-0.202 χ^2/NDF:7033.3/18

+ sign 1152.361+/-0.170 χ^2/NDF: 404603.1/35

All: 1158.652+/-0.122 χ^2/NDF: 1115979.2/72

- sign 1165.203+/-0.174 χ^2/NDF: 708589.6/36

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -551.176+/-139.327 χ^2/NDF:60.2/19

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

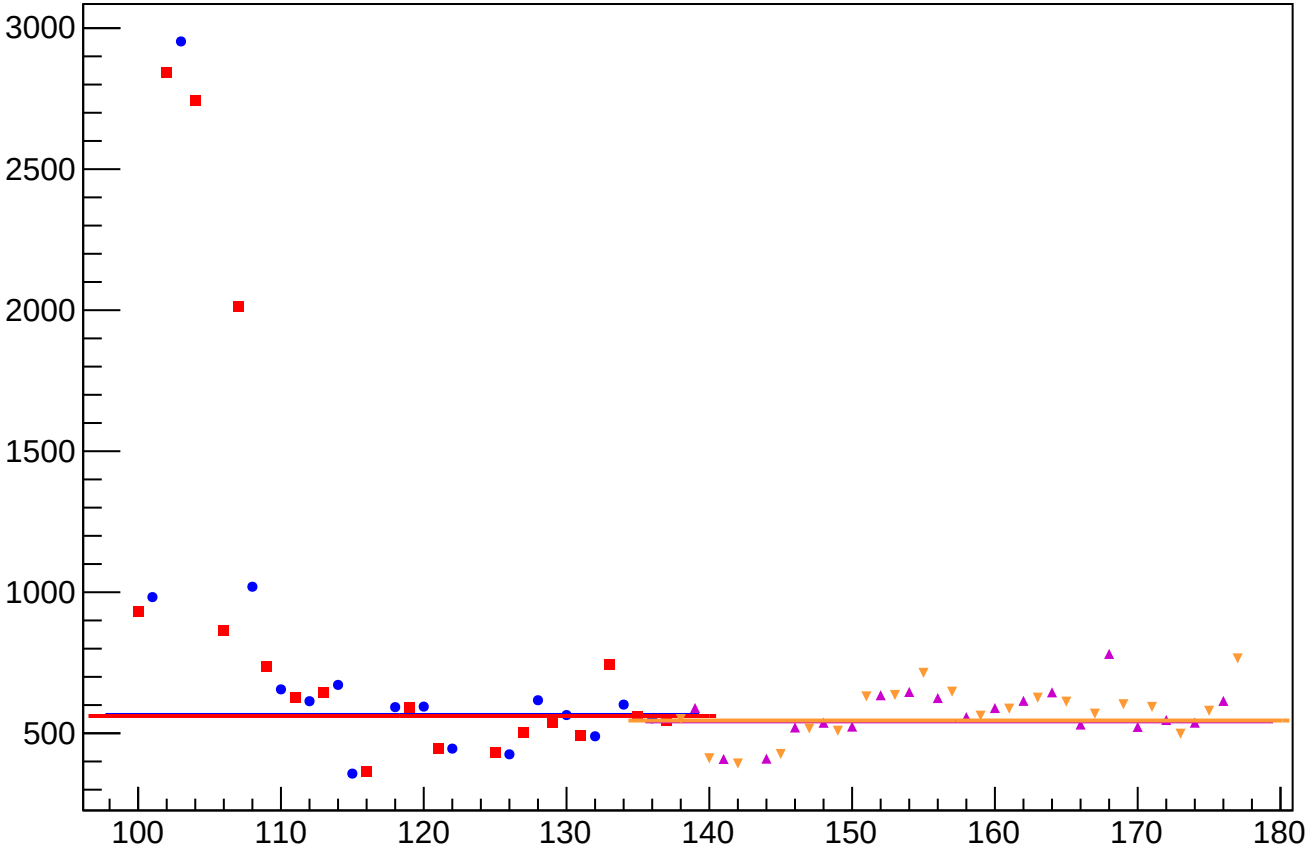
Left In: -158.265+/-139.502 χ^2/NDF:10.8/18

+ sign -450.047+/-118.126 χ^2/NDF: 87.3/35

All: -343.424+/-83.763 χ^2/NDF: 115.5/72

- sign -235.589+/-118.795 χ^2/NDF: 26.6/36

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 545.217+/-0.099 χ^2/NDF:876347.3/19

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

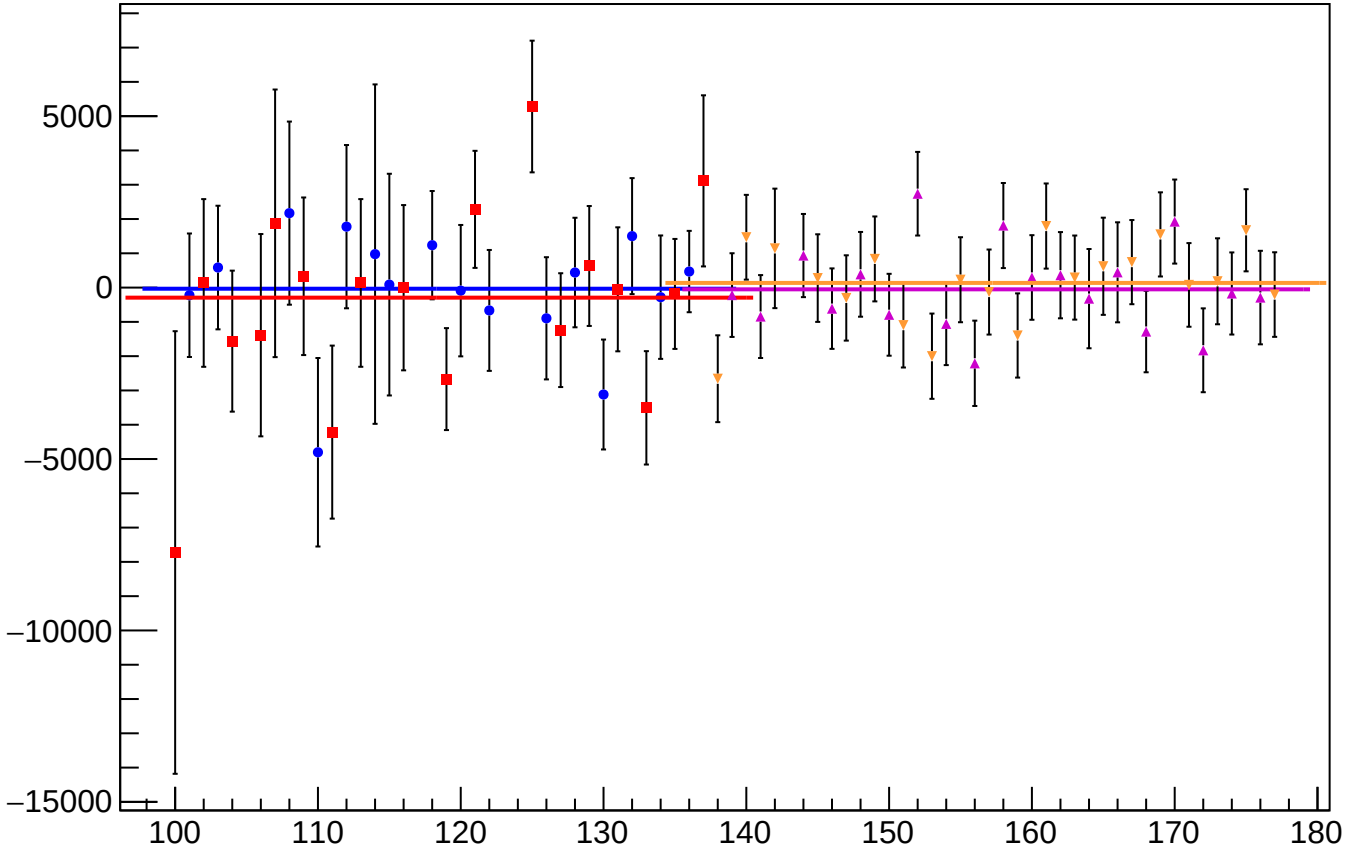
Left In: 542.207+/-0.099 χ^2/NDF:748318.3/18

+ sign 550.743+/-0.084 χ^2/NDF: 2367913.6/35

All: 549.104+/-0.059 χ^2/NDF: 5400645.7/72

- sign 547.447+/-0.084 χ^2/NDF: 3031957.8/36

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 136.479+/-281.880 χ^2/NDF:17.6/19

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

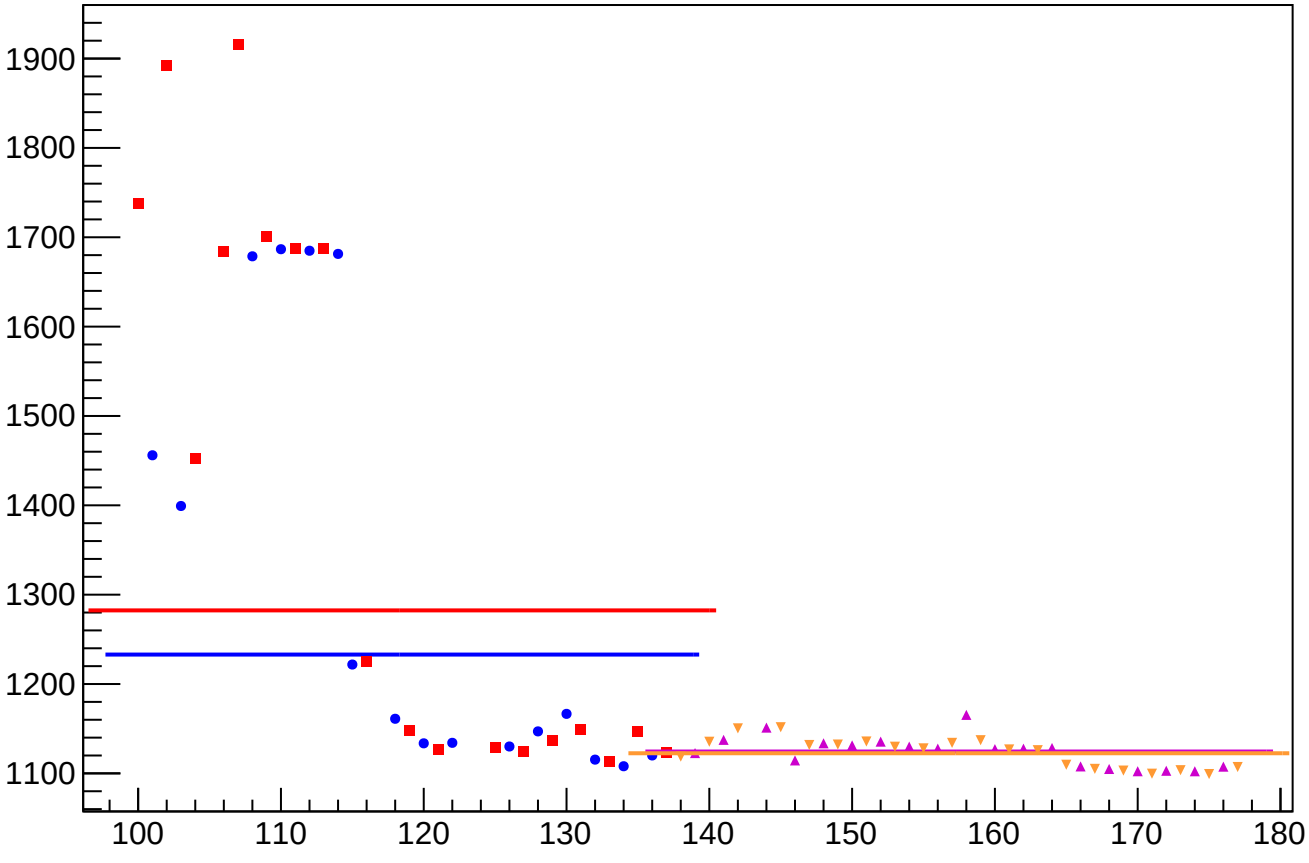
Left In: -50.939+/-285.258 χ^2/NDF:19.2/18

+ sign 90.663+/-240.800 χ^2/NDF: 28.0/35

All: -9.338+/-171.988 χ^2/NDF: 71.9/72

- sign -113.475+/-245.730 χ^2/NDF: 43.6/36

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1122.512+/-0.199 χ^2/NDF:6147.8/19

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

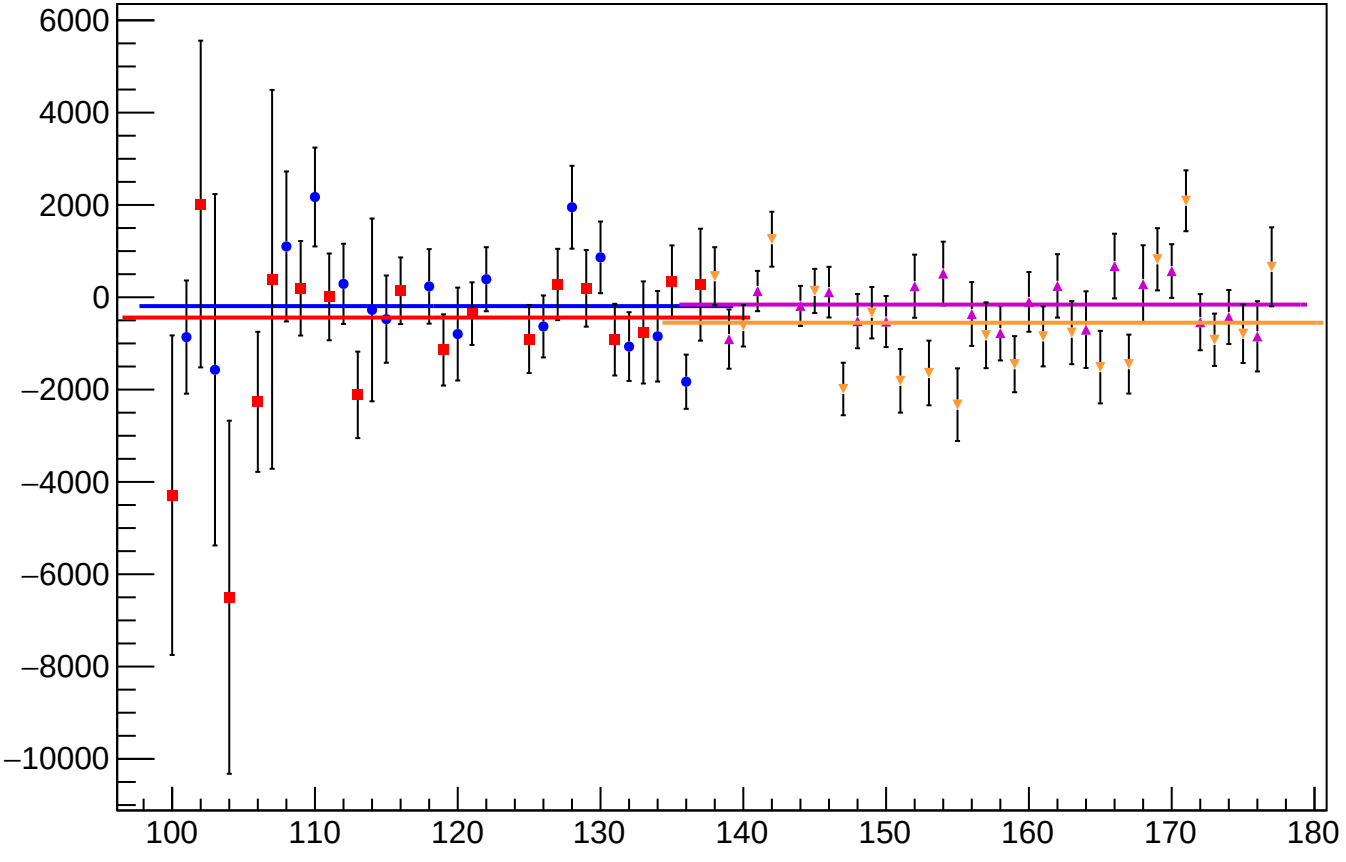
Left In: 1124.463+/-0.202 χ^2/NDF:7033.3/18

+ sign 1152.361+/-0.170 χ^2/NDF: 404602.6/35

All: 1158.652+/-0.122 χ^2/NDF: 1115978.0/72

- sign 1165.203+/-0.174 χ^2/NDF: 708588.9/36

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -551.175+/-139.327 χ^2/NDF:60.2/19

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

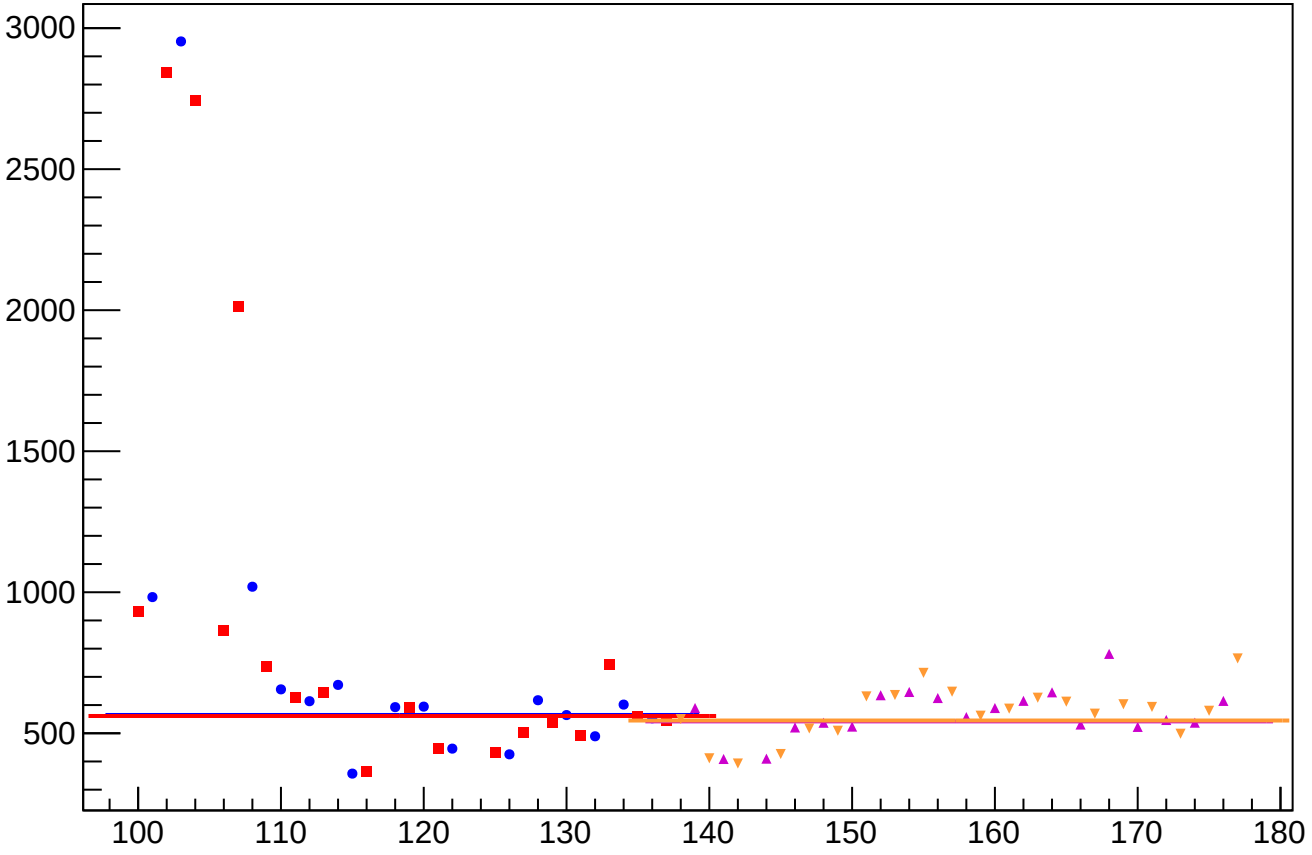
Left In: -158.265+/-139.502 χ^2/NDF:10.8/18

+ sign -450.046+/-118.125 χ^2/NDF: 87.3/35

All: -343.423+/-83.763 χ^2/NDF: 115.5/72

- sign -235.589+/-118.795 χ^2/NDF: 26.6/36

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 545.216+/-0.099 χ^2/NDF:876366.1/19

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

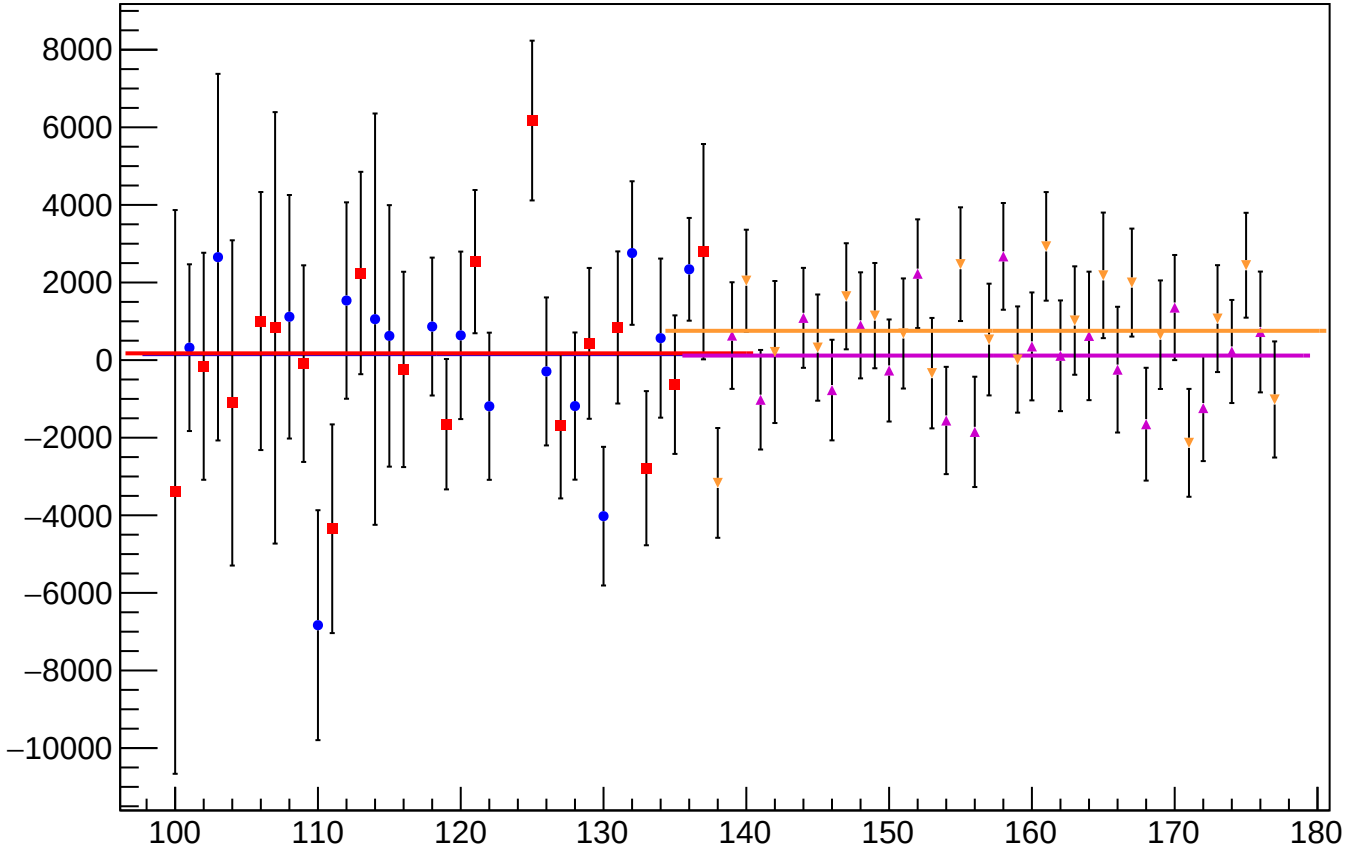
Left In: 542.206+/-0.099 χ^2/NDF:748330.8/18

+ sign 550.743+/-0.084 χ^2/NDF: 2367930.6/35

All: 549.104+/-0.059 χ^2/NDF: 5400676.3/72

- sign 547.446+/-0.084 χ^2/NDF: 3031971.5/36

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 754.812+/-317.328 χ^2/NDF:23.0/19

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

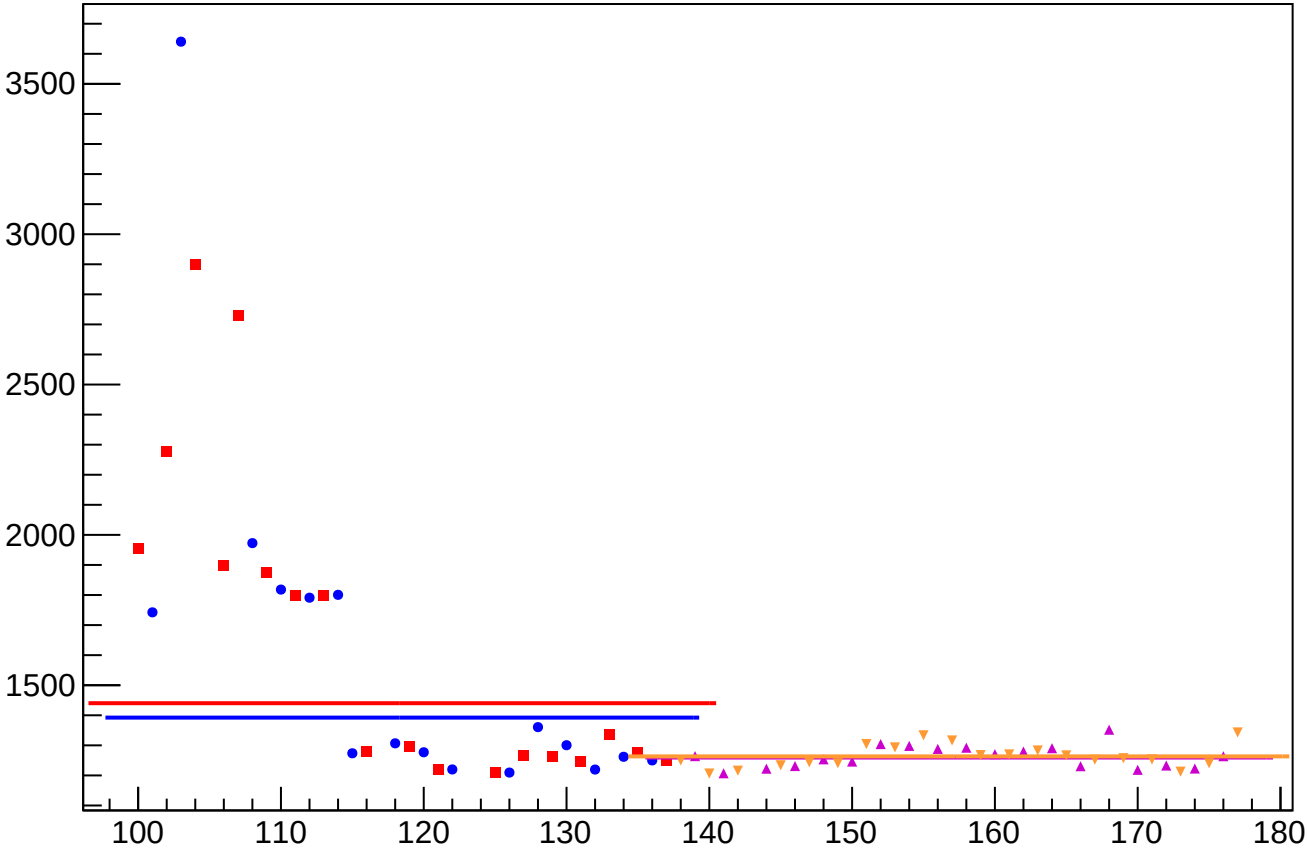
Left In: 116.794+/-319.629 χ^2/NDF:15.1/18

\+ sign 597.023+/-272.542 χ^2/NDF: 41.7/35

All: 367.416+/-194.056 χ^2/NDF: 77.9/72

\- sign 131.311+/-276.371 χ^2/NDF: 34.8/36

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1263.287+/-0.224 χ^2/NDF:26740.4/19

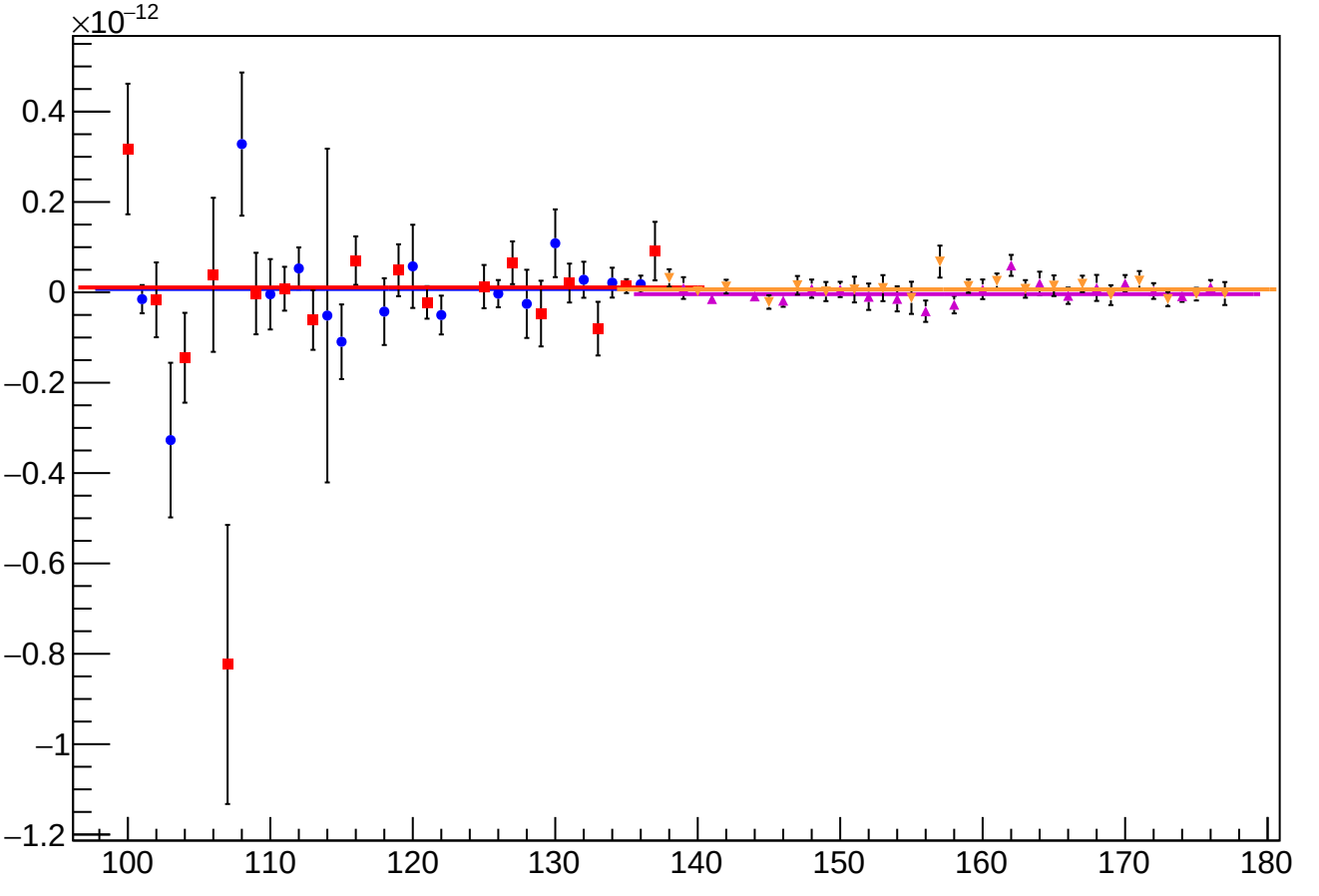
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.463+/-0.226 χ^2/NDF:25836.5/18

+ sign 1297.133+/-0.193 χ^2/NDF: 892708.9/35

All: 1301.051+/-0.137 χ^2/NDF: 1935688.6/72

- sign 1305.079+/-0.195 χ^2/NDF: 1042141.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

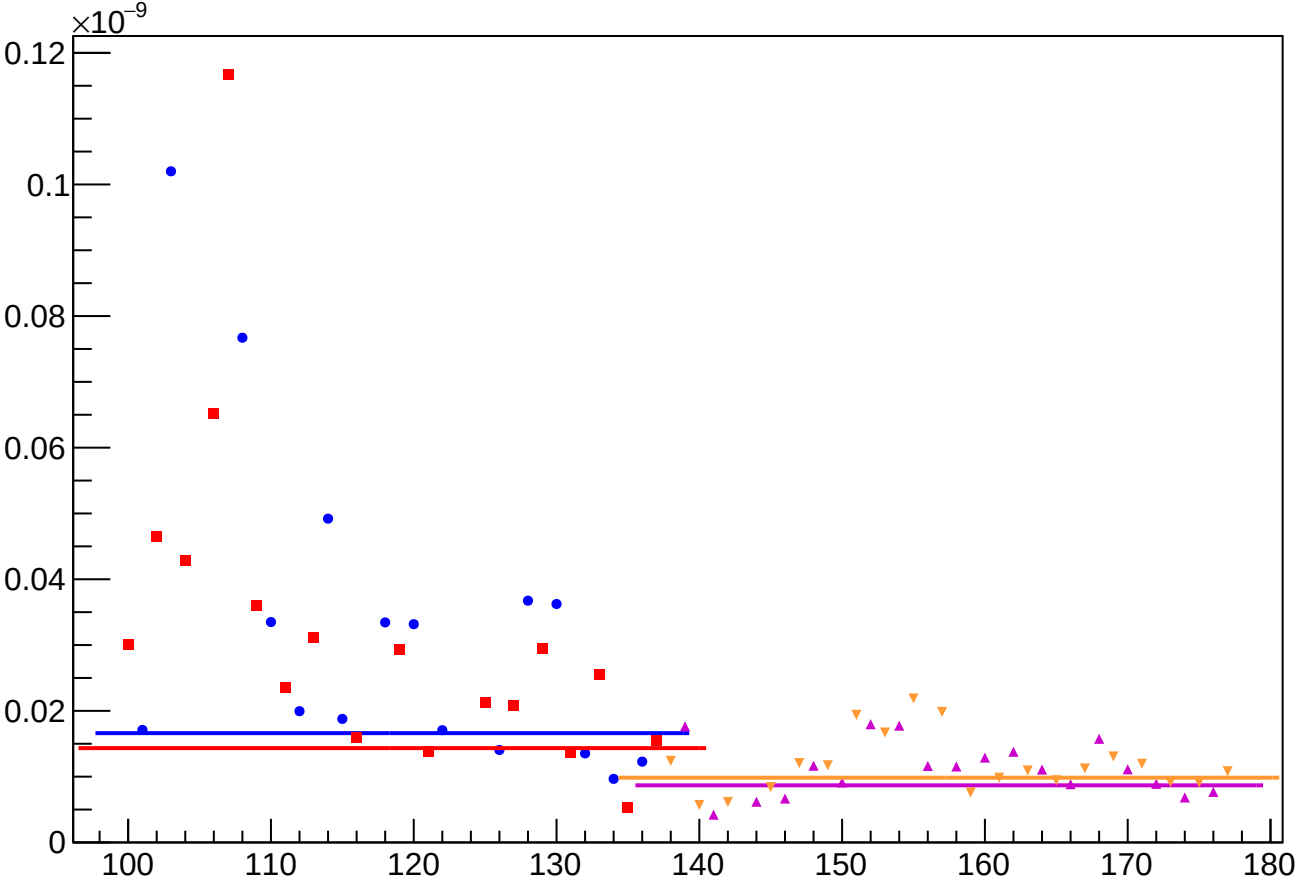
Left In: -0.000+/-0.000 χ^2/NDF:19.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 31.6/35

All: 0.000+/-0.000 χ^2/NDF: 79.7/72

- sign -0.000+/-0.000 χ^2/NDF: 45.2/36

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354903.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

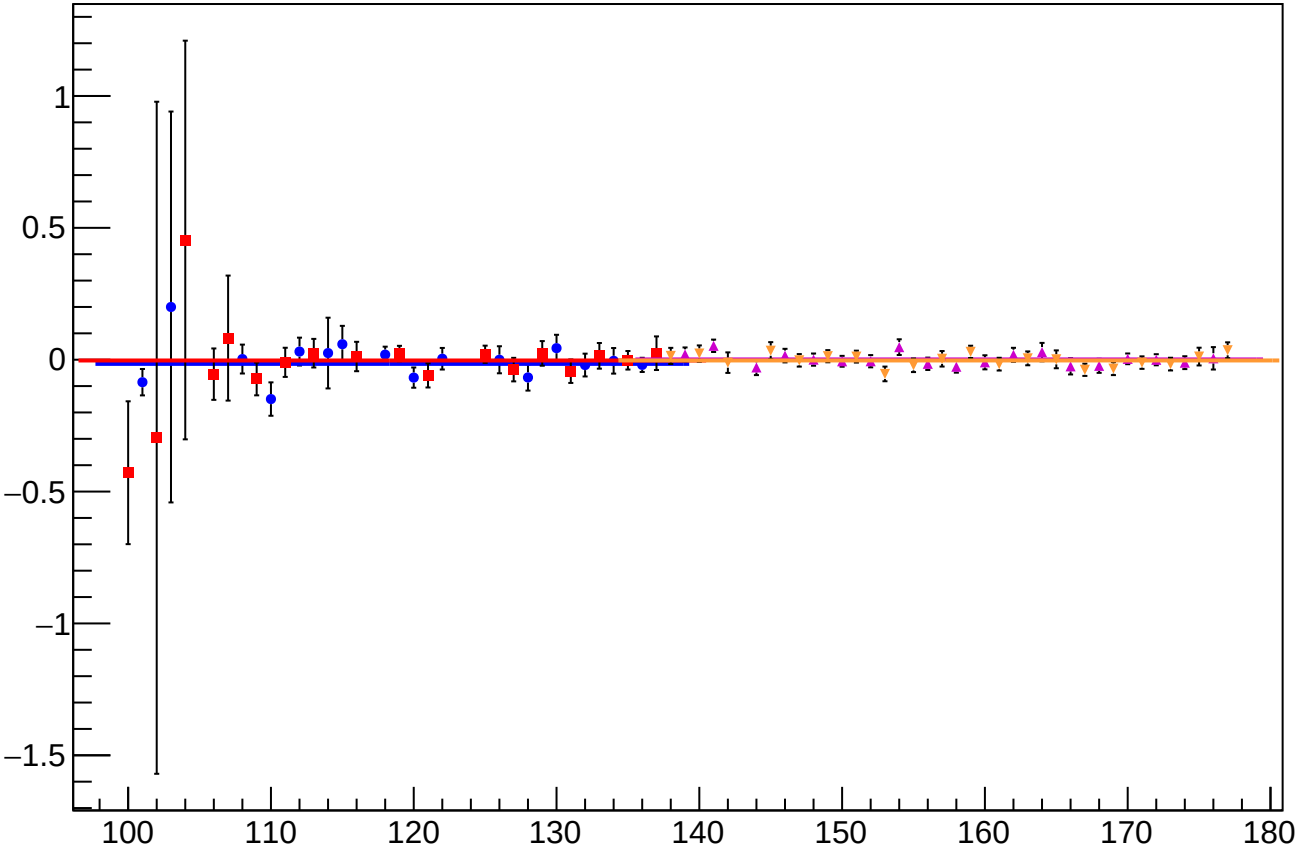
Left In: 0.000+/-0.000 χ^2/NDF:1813112.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 3606623.5/35

All: 0.000+/-0.000 χ^2/NDF: 8306868.2/72

- sign 0.000+/-0.000 χ^2/NDF: 4572804.3/36

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:15.8/19

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

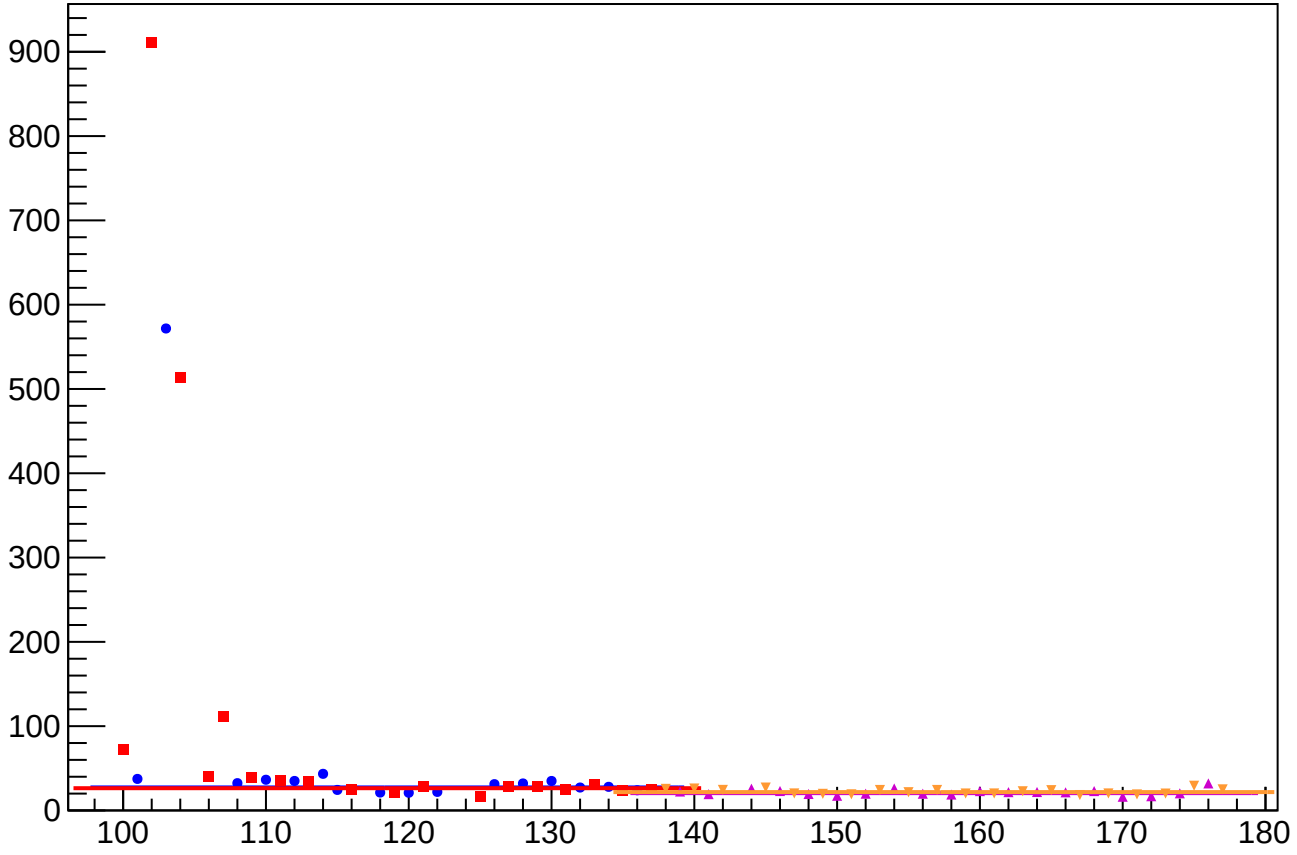
Left In: 0.001+/-0.006 χ^2/NDF:14.5/18

+ sign -0.006+/-0.005 χ^2/NDF: 31.4/35

All: -0.003+/-0.004 χ^2/NDF: 56.5/72

- sign 0.000+/-0.005 χ^2/NDF: 24.5/36

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: 21.784+/-0.004 χ^2/NDF:461183.9/19

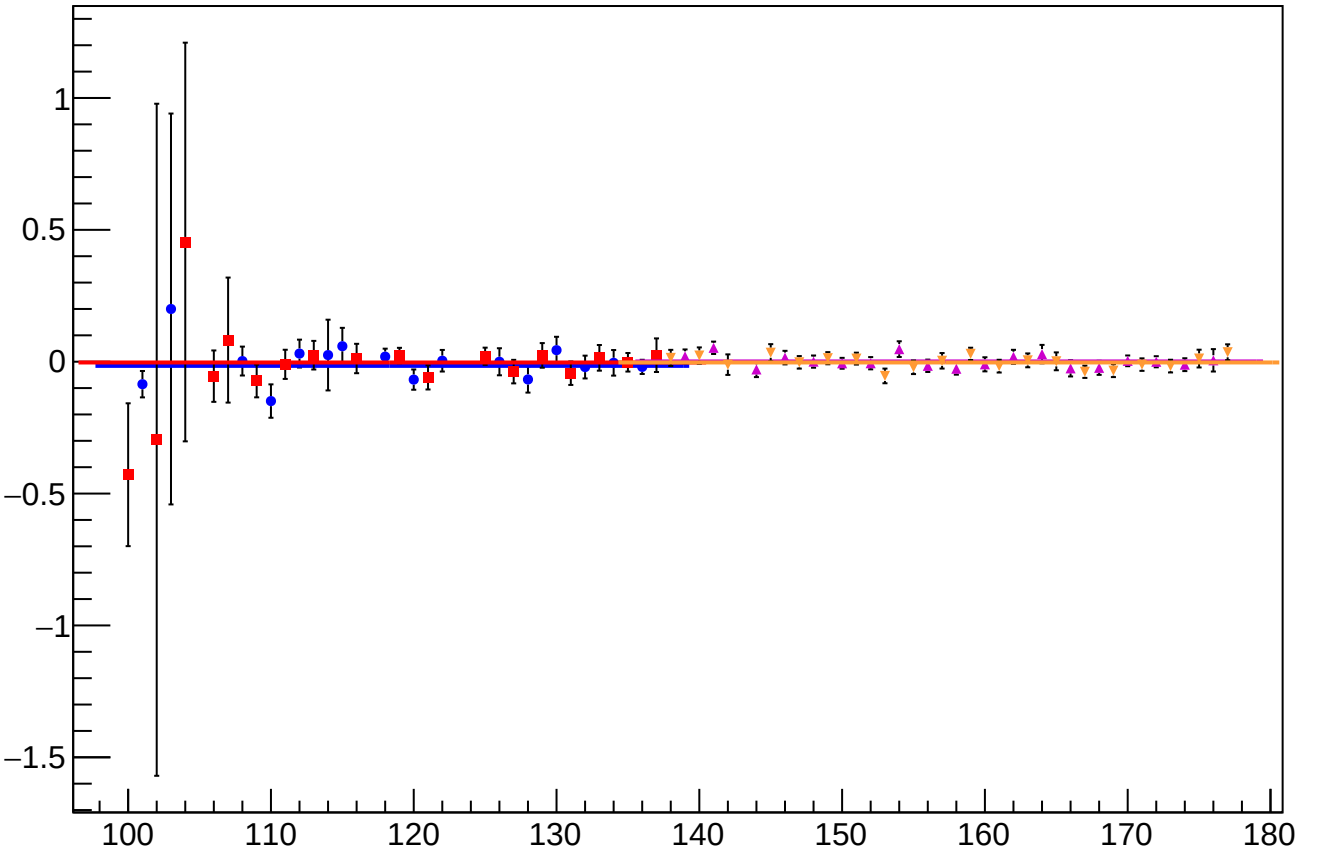
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571603.5/18

+ sign 22.944+/-0.004 χ^2/NDF: 2389892.2/35

All: 22.289+/-0.003 χ^2/NDF: 6019618.2/72

- sign 21.656+/-0.004 χ^2/NDF: 3569636.6/36



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.8/19

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

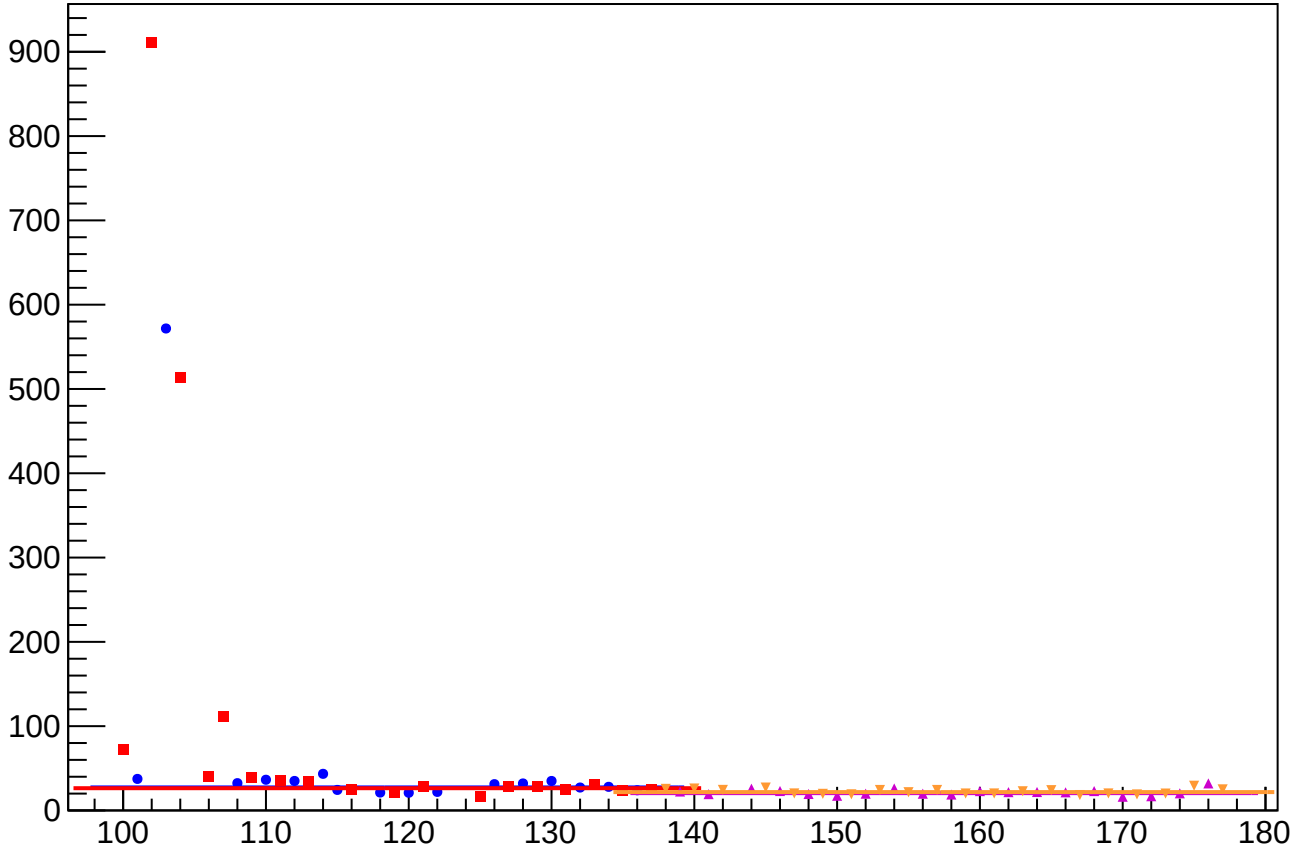
Left In: 0.001+/-0.006 χ^2/NDF:14.5/18

+ sign -0.006+/-0.005 χ^2/NDF: 31.4/35

All: -0.003+/-0.004 χ^2/NDF: 56.5/72

- sign 0.000+/-0.005 χ^2/NDF: 24.5/36

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.784+/-0.004 χ^2/NDF:461183.9/19

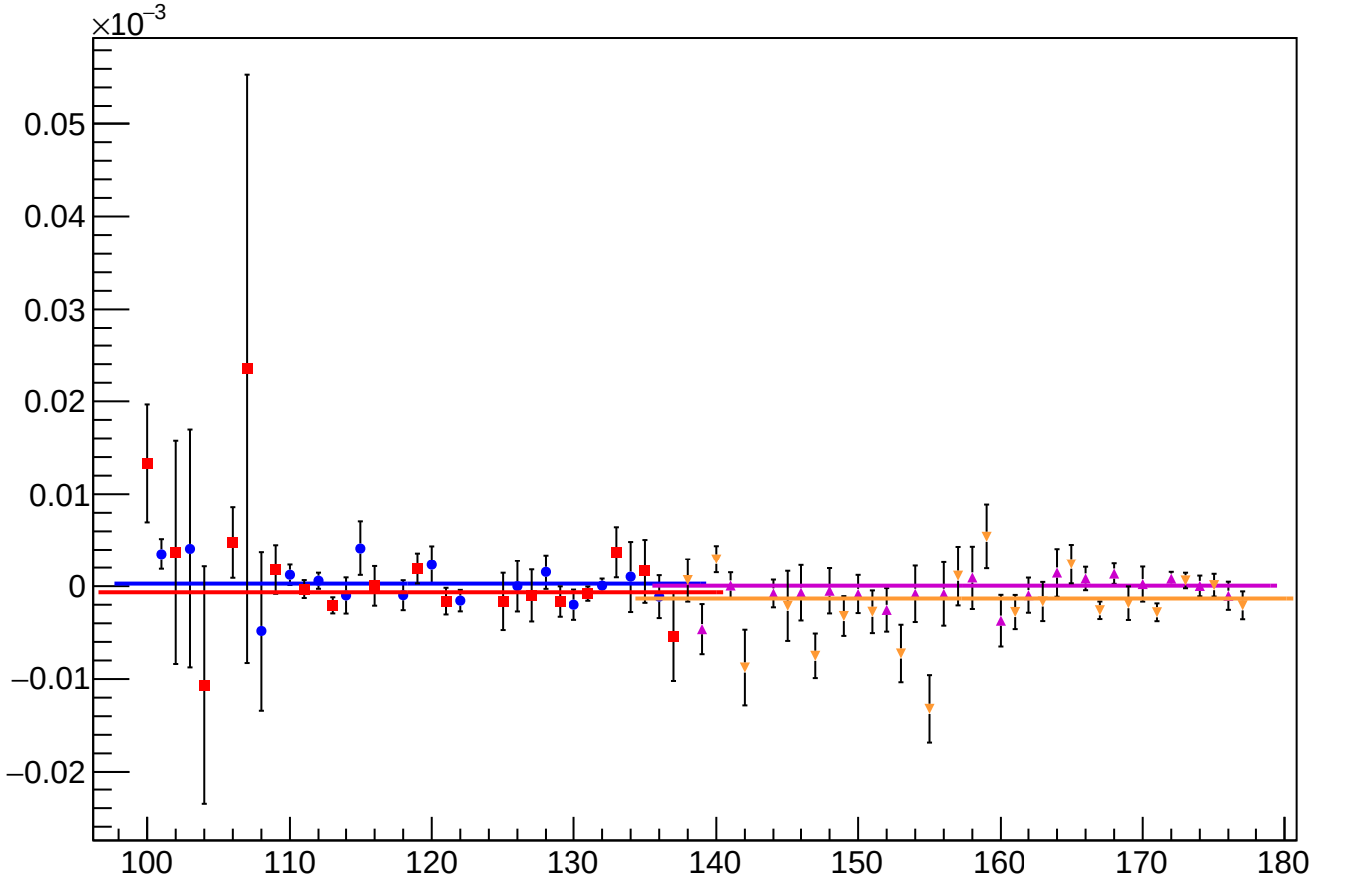
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571603.5/18

+ sign 22.944+/-0.004 χ^2/NDF: 2389892.2/35

All: 22.289+/-0.003 χ^2/NDF: 6019618.2/72

- sign 21.656+/-0.004 χ^2/NDF: 3569636.6/36



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:54.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

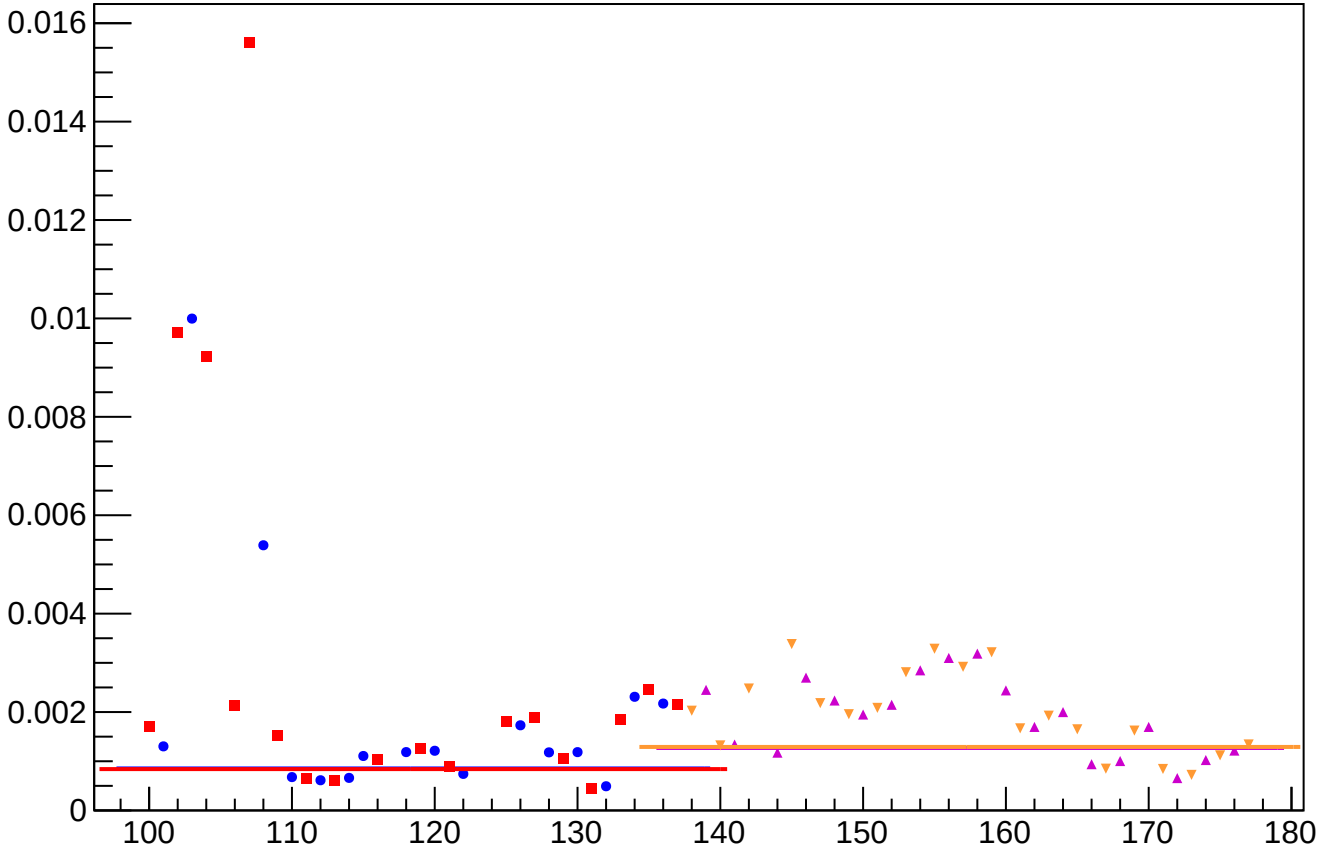
Left In: 0.000+/-0.000 χ^2/NDF:10.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 78.3/35

All: -0.000+/-0.000 χ^2/NDF: 110.7/72

- sign -0.000+/-0.000 χ^2/NDF: 31.9/36

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:6135649.6/19

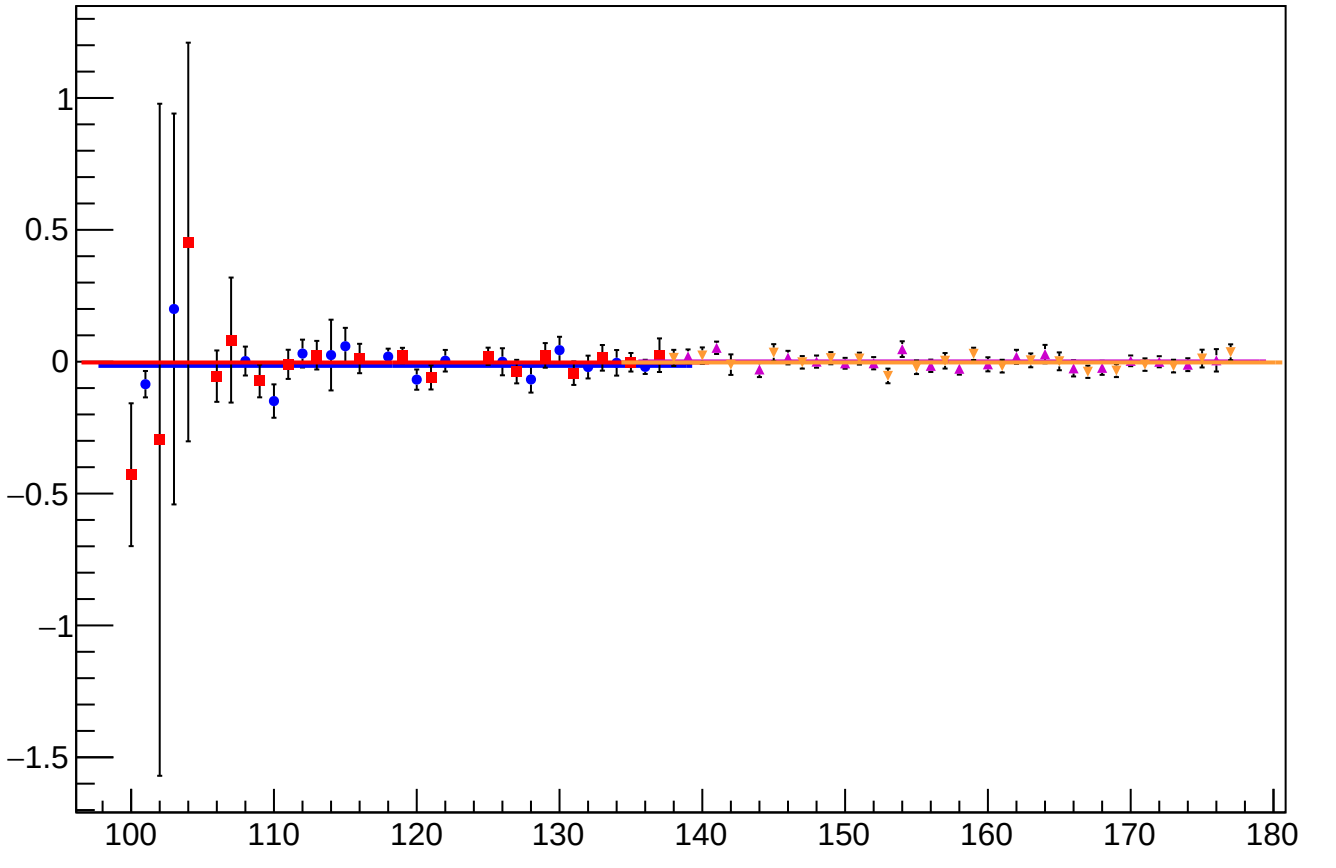
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:5866679.5/18

+ sign 0.001+/-0.000 χ^2/NDF: 11395474.8/35

All: 0.001+/-0.000 χ^2/NDF: 23556591.8/72

- sign 0.001+/-0.000 χ^2/NDF: 12160616.1/36



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.8/19

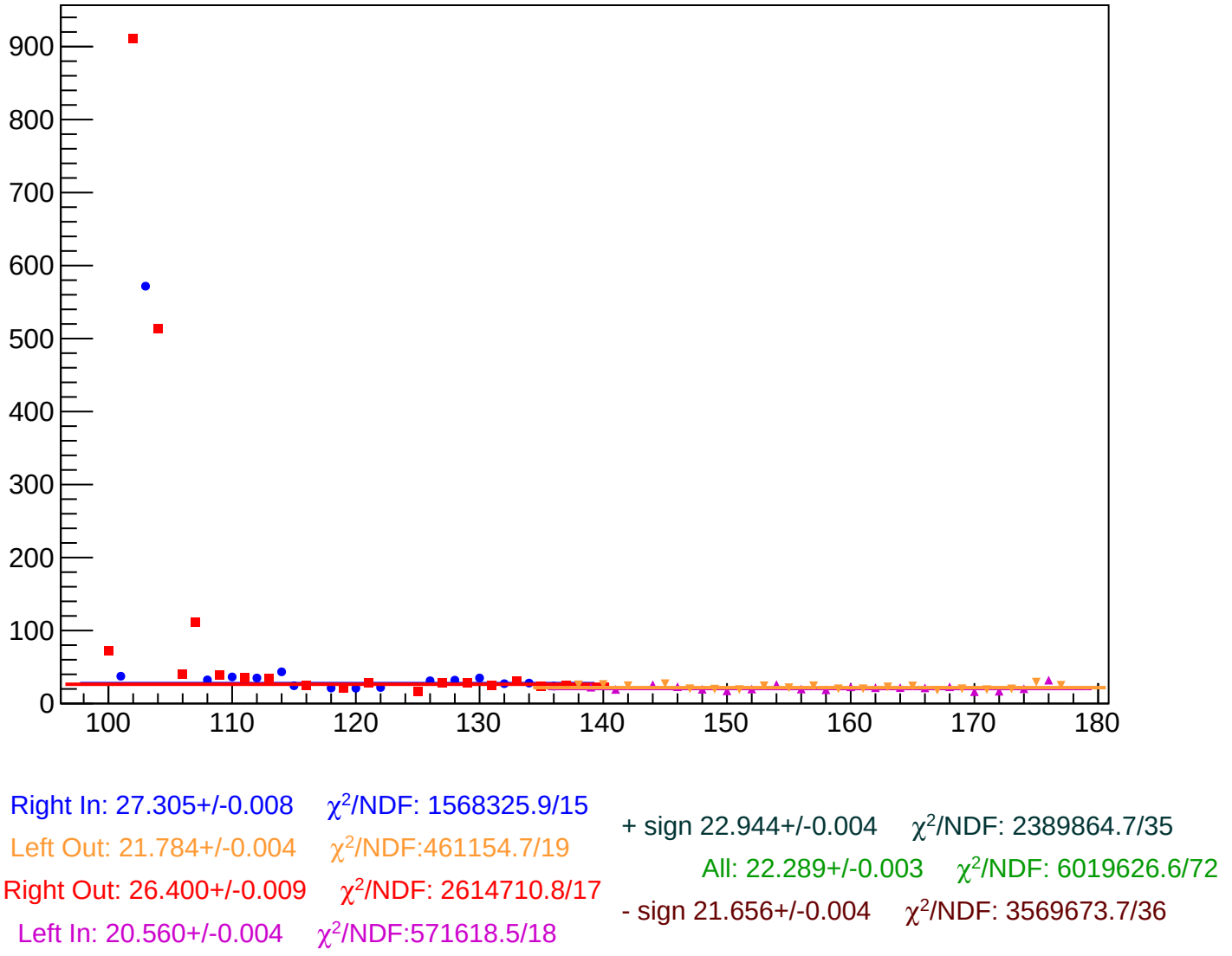
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

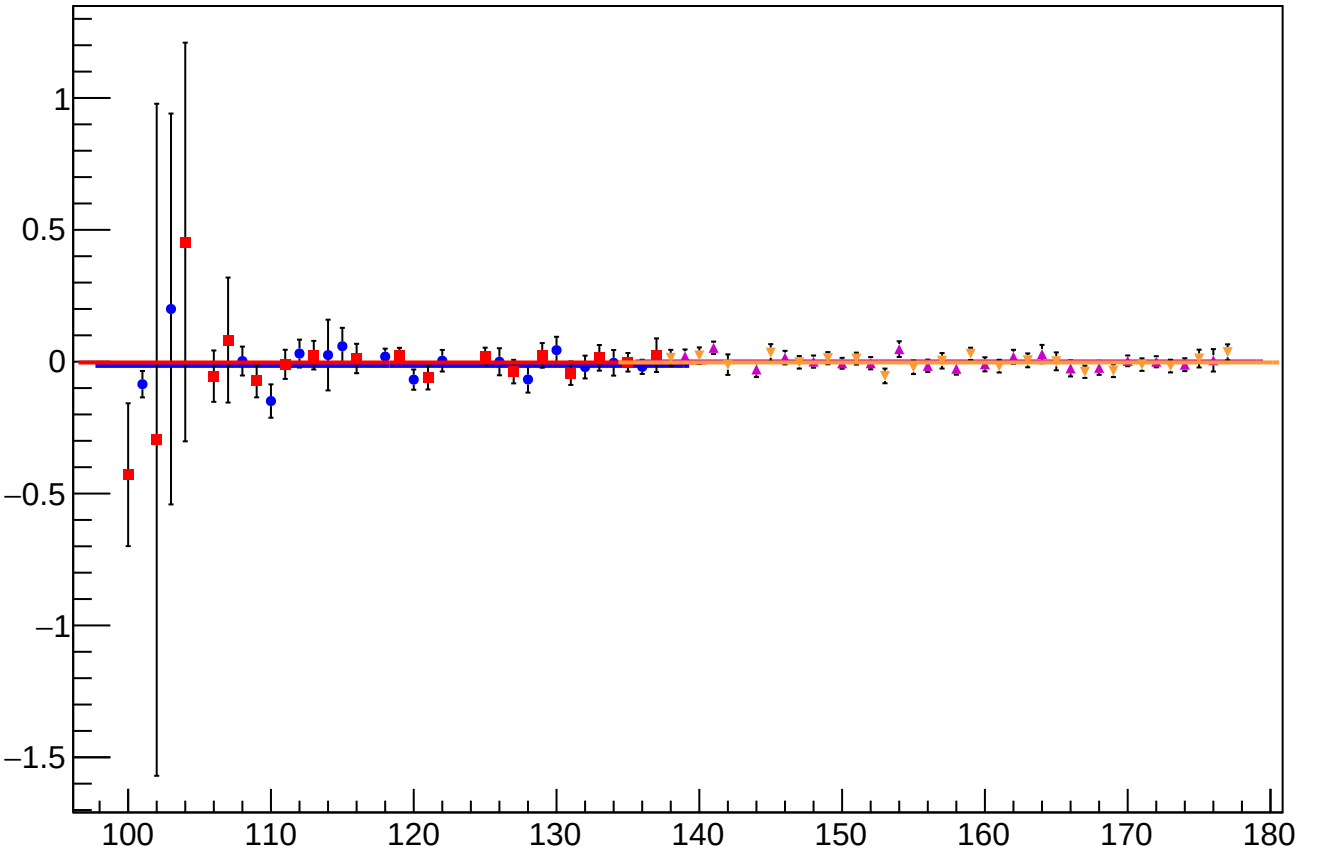
Left In: 0.001+/-0.006 χ^2/NDF:14.5/18

+ sign -0.006+/-0.005 χ^2/NDF: 31.4/35

All: -0.003+/-0.004 χ^2/NDF: 56.5/72

- sign 0.000+/-0.005 χ^2/NDF: 24.5/36


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 21.784+/-0.004 χ²/NDF:461154.7/19
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 20.560+/-0.004 χ²/NDF:571618.5/18
+ sign 22.944+/-0.004 χ²/NDF: 2389864.7/35
All: 22.289+/-0.003 χ²/NDF: 6019626.6/72
- sign 21.656+/-0.004 χ²/NDF: 3569673.7/36



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.8/19

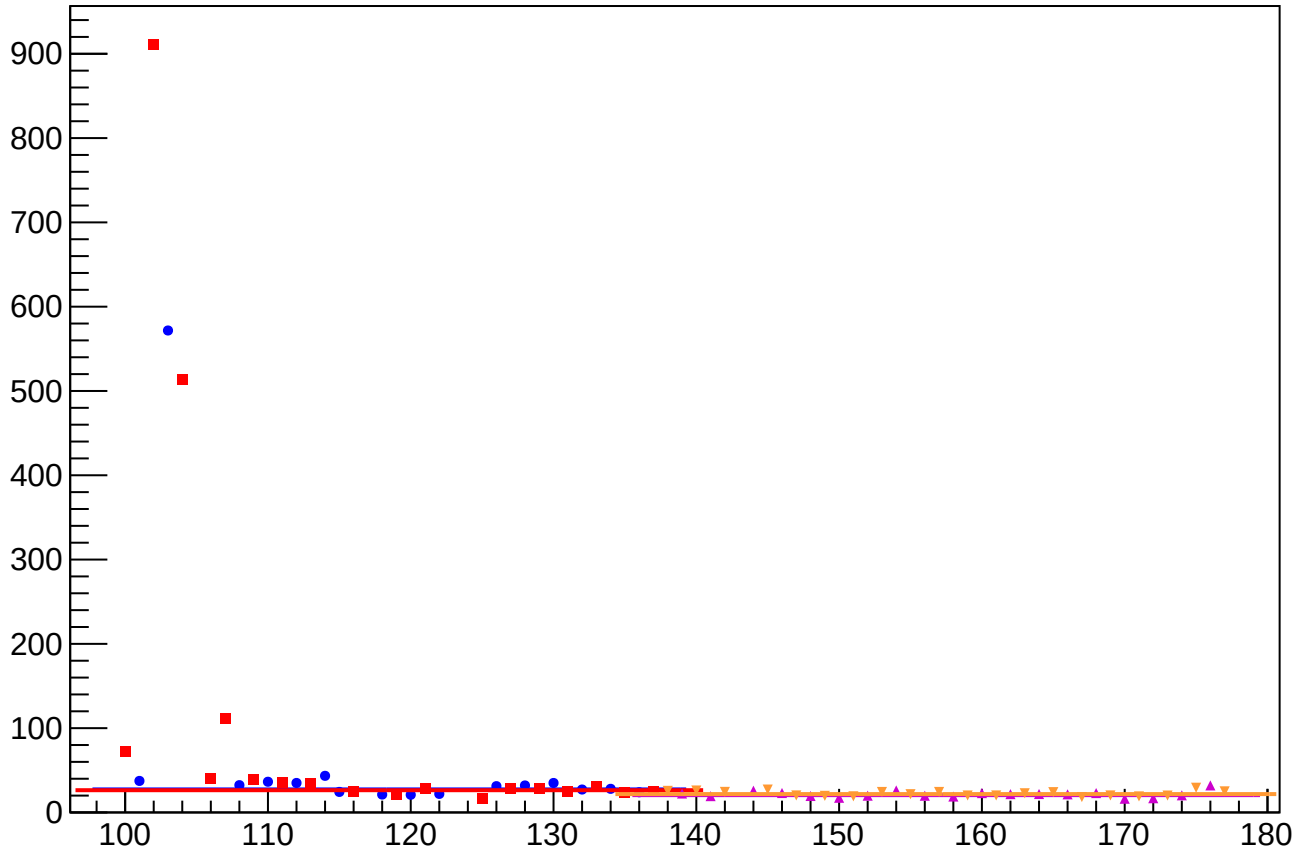
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.001+/-0.006 χ^2/NDF:14.5/18

+ sign -0.006+/-0.005 χ^2/NDF: 31.4/35

All: -0.003+/-0.004 χ^2/NDF: 56.5/72

- sign 0.000+/-0.005 χ^2/NDF: 24.5/36



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.784+/-0.004 χ^2/NDF:461154.7/19

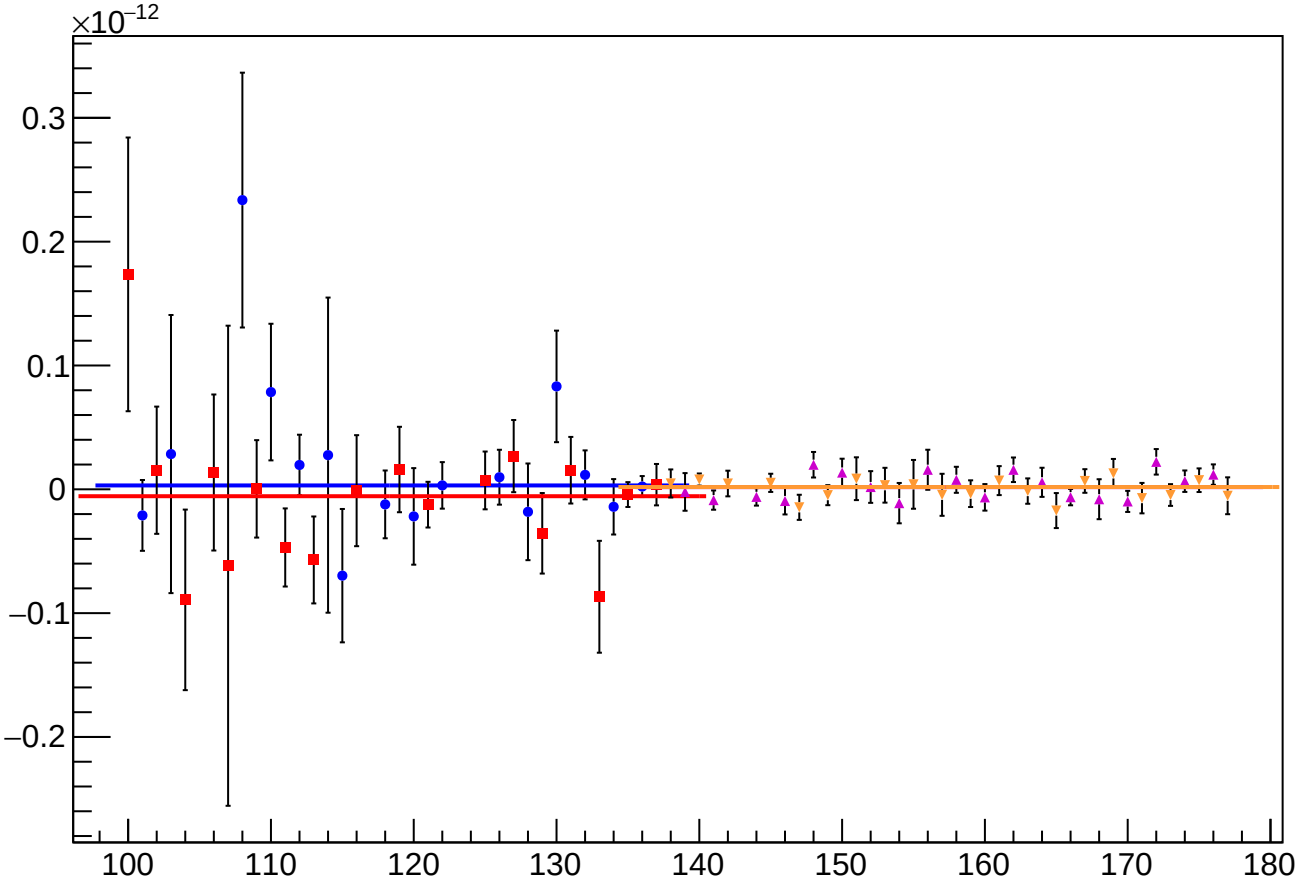
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571618.5/18

+ sign 22.944+/-0.004 χ^2/NDF: 2389864.7/35

All: 22.289+/-0.003 χ^2/NDF: 6019626.6/72

- sign 21.656+/-0.004 χ^2/NDF: 3569673.7/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/19

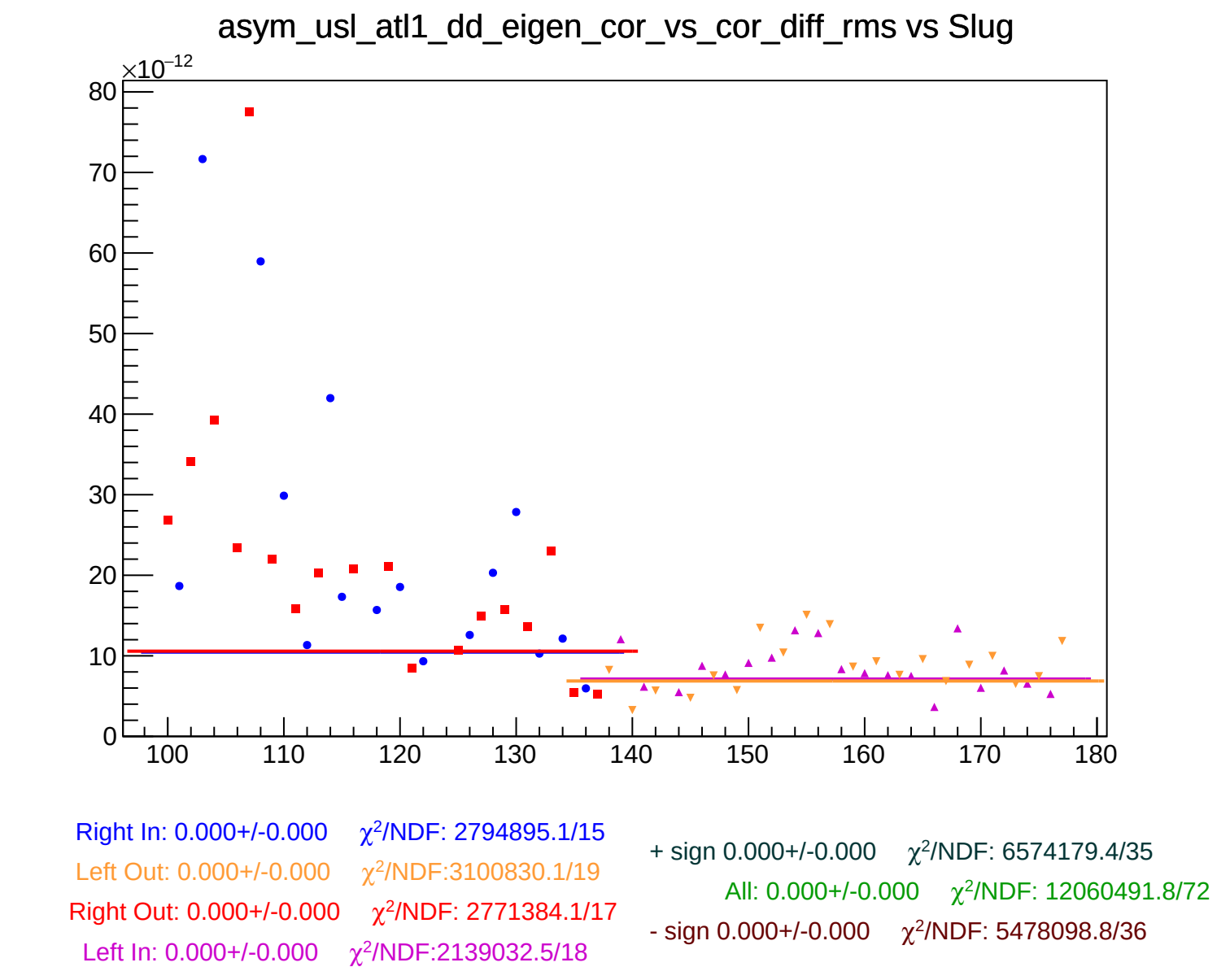
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:22.2/18

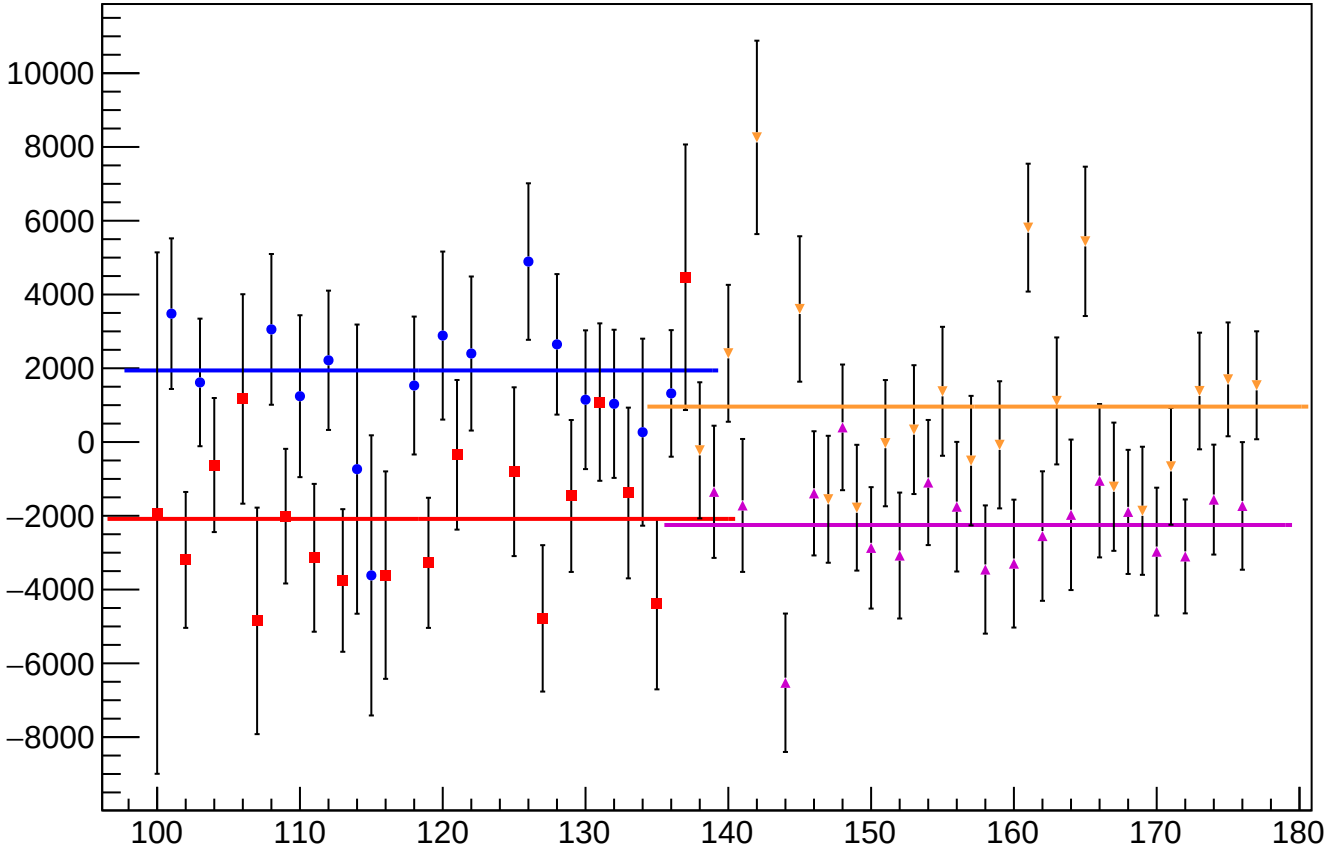
+ sign 0.000+/-0.000 χ^2/NDF: 25.6/35

All: 0.000+/-0.000 χ^2/NDF: 64.5/72

- sign 0.000+/-0.000 χ^2/NDF: 38.7/36


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:3100830.1/19
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2139032.5/18
+ sign 0.000+/-0.000 χ²/NDF: 6574179.4/35
All: 0.000+/-0.000 χ²/NDF: 12060491.8/72
- sign 0.000+/-0.000 χ²/NDF: 5478098.8/36

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 960.401+/-389.613 χ^2/NDF:35.3/19

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

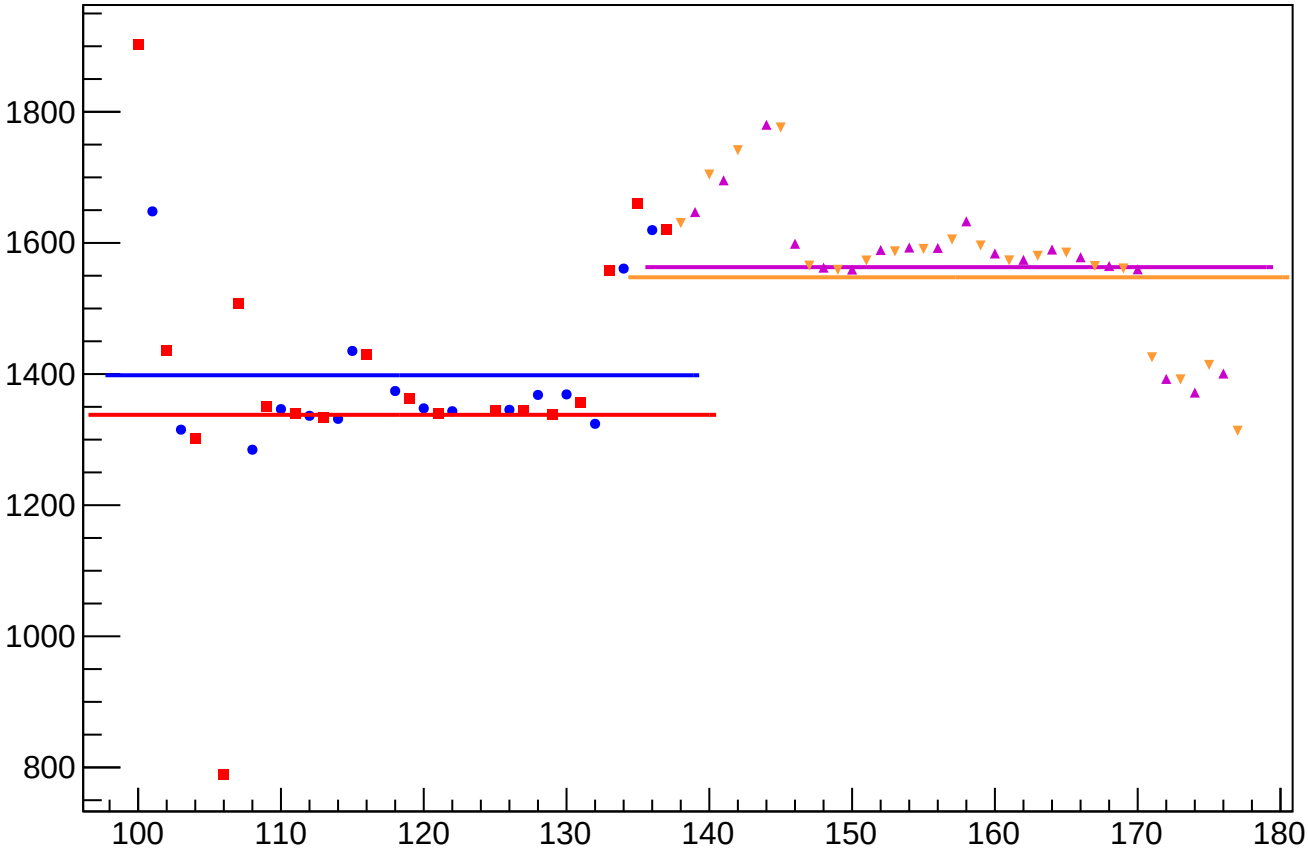
Left In: -2249.125+/-397.354 χ^2/NDF:11.2/18

+ sign 1311.078+/-312.269 χ^2/NDF: 44.5/35

All: -419.792+/-221.988 χ^2/NDF: 132.3/72

- sign -2188.172+/-315.634 χ^2/NDF: 25.7/36

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1547.625+/-0.275 χ^2/NDF:162394.8/19

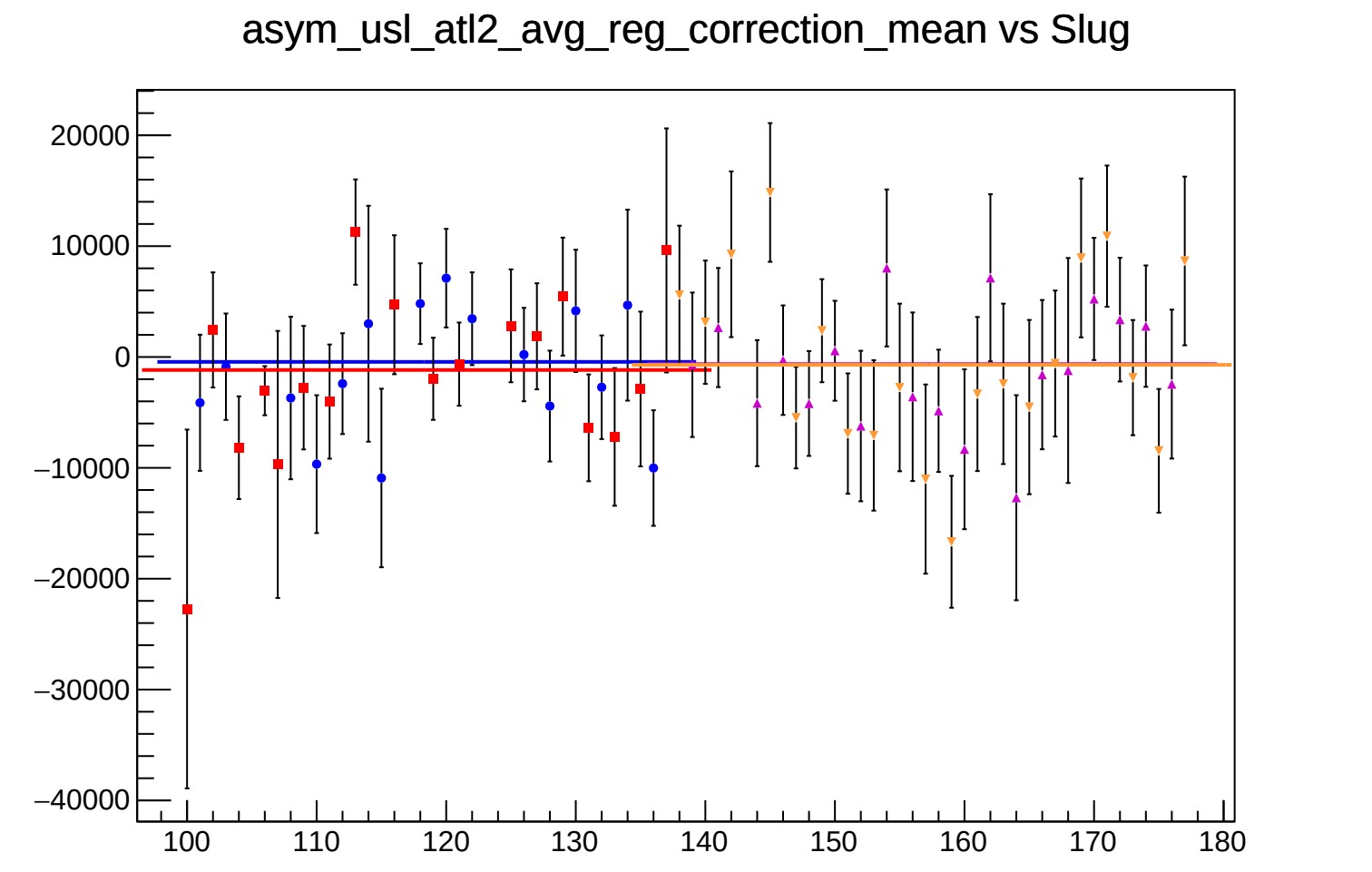
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.2/18

+ sign 1494.173+/-0.221 χ^2/NDF: 361579.0/35

All: 1485.371+/-0.156 χ^2/NDF: 1052833.1/72

- sign 1476.590+/-0.221 χ^2/NDF: 688079.4/36



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -709.817+/-1386.625 χ^2/NDF:31.0/19

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

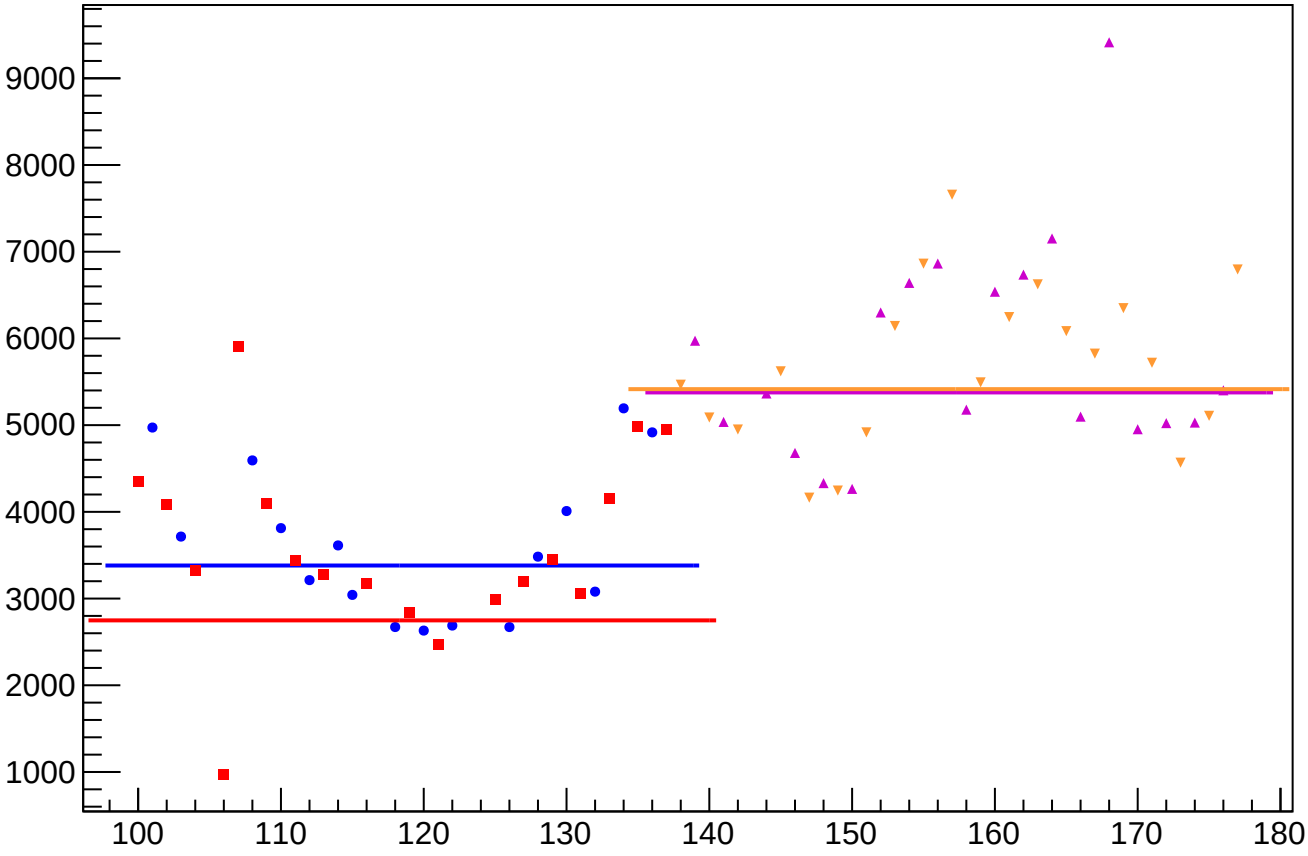
Left In: -642.761+/-1391.293 χ^2/NDF:10.4/18

+ sign -566.402+/-946.796 χ^2/NDF: 46.9/35

All: -781.245+/-641.565 χ^2/NDF: 77.1/72

- sign -963.645+/-872.386 χ^2/NDF: 30.1/36

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5415.042+/-0.980 χ^2/NDF:814788.8/19

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

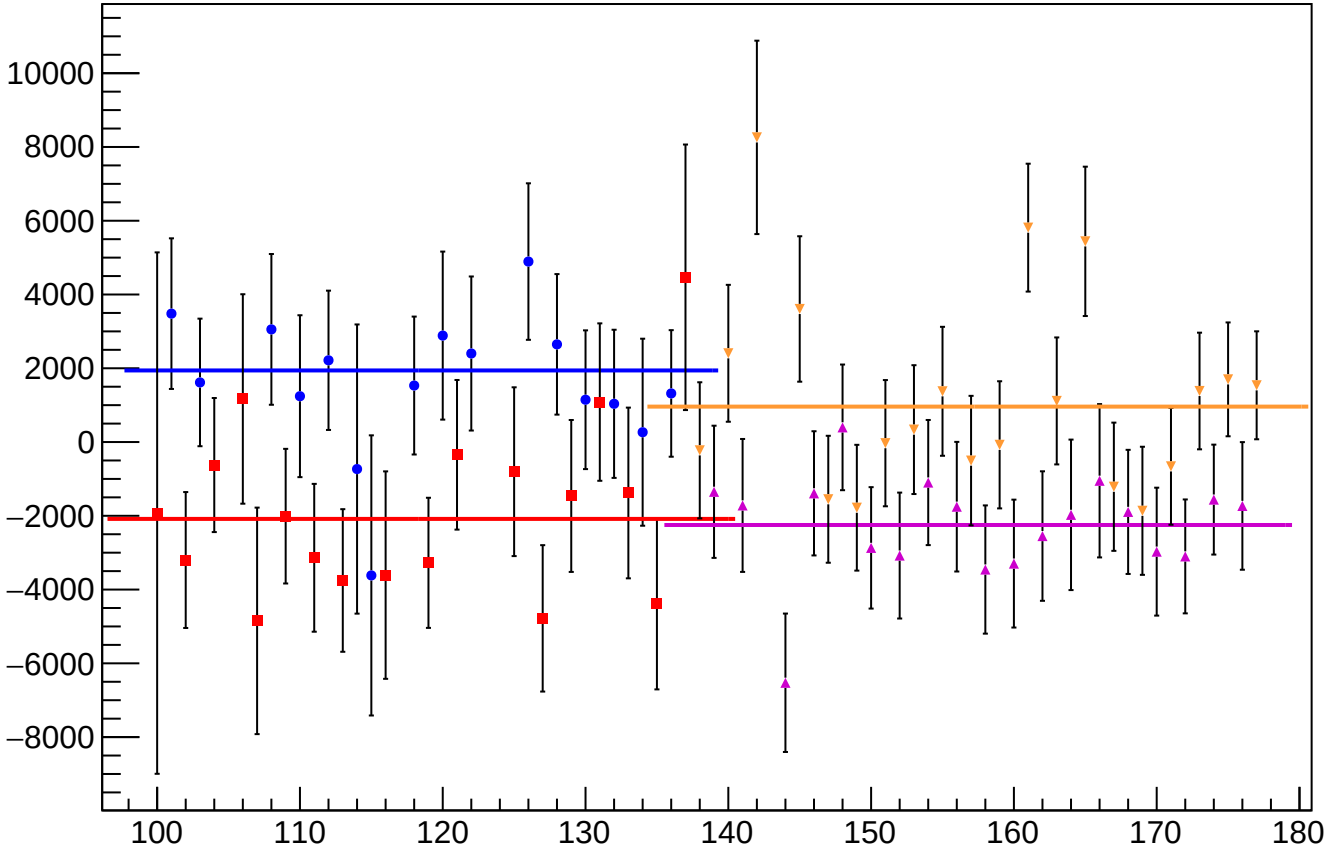
Left In: 5377.103+/-0.984 χ^2/NDF:1002412.6/18

+ sign 4329.382+/-0.669 χ^2/NDF: 3868828.2/35

All: 4033.290+/-0.454 χ^2/NDF: 11830105.3/7

- sign 3781.910+/-0.617 χ^2/NDF: 7599612.7/36

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 960.396+/-389.613 χ^2/NDF:35.3/19

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

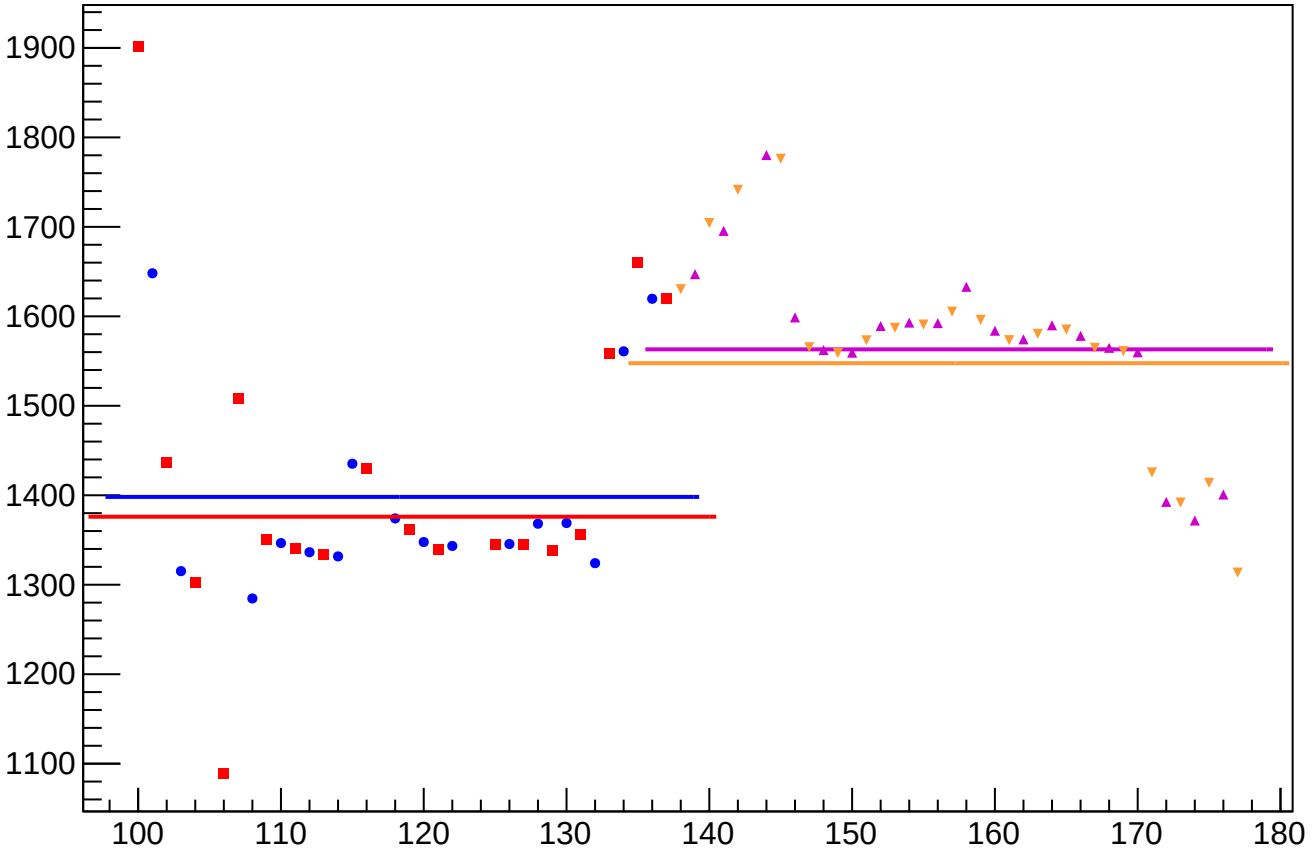
Left In: -2249.179+/-397.354 χ^2/NDF:11.2/18

+ sign 1311.094+/-312.269 χ^2/NDF: 44.5/35

All: -419.836+/-221.988 χ^2/NDF: 132.3/72

- sign -2188.285+/-315.635 χ^2/NDF: 25.7/36

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1547.626+/-0.275 χ^2/NDF:162394.8/19

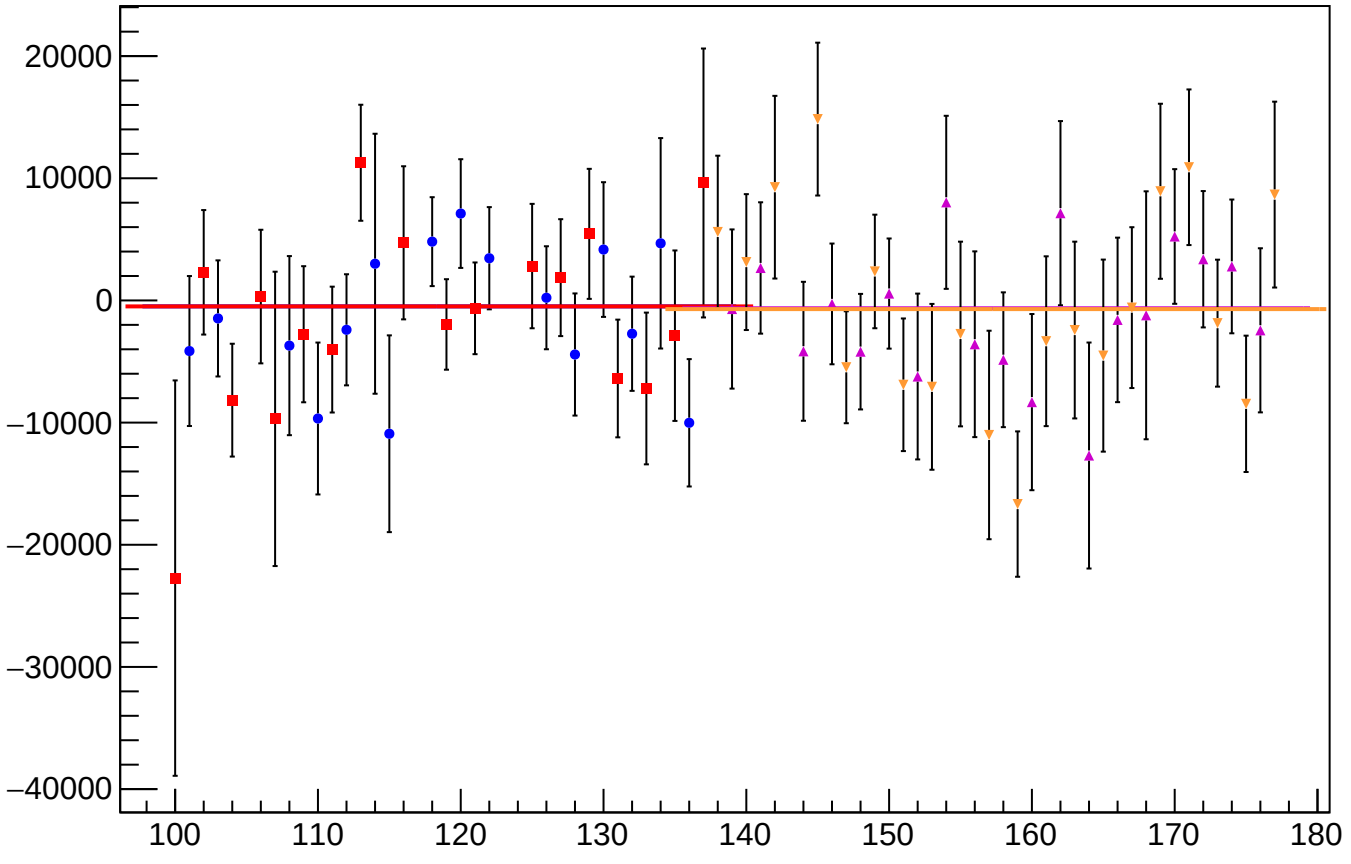
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.1/18

+ sign 1494.173+/-0.221 χ^2/NDF: 361579.2/35

All: 1493.530+/-0.157 χ^2/NDF: 765497.1/72

- sign 1492.880+/-0.222 χ^2/NDF: 403900.9/36



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -709.839+/-1386.626 χ^2/NDF:31.0/19

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

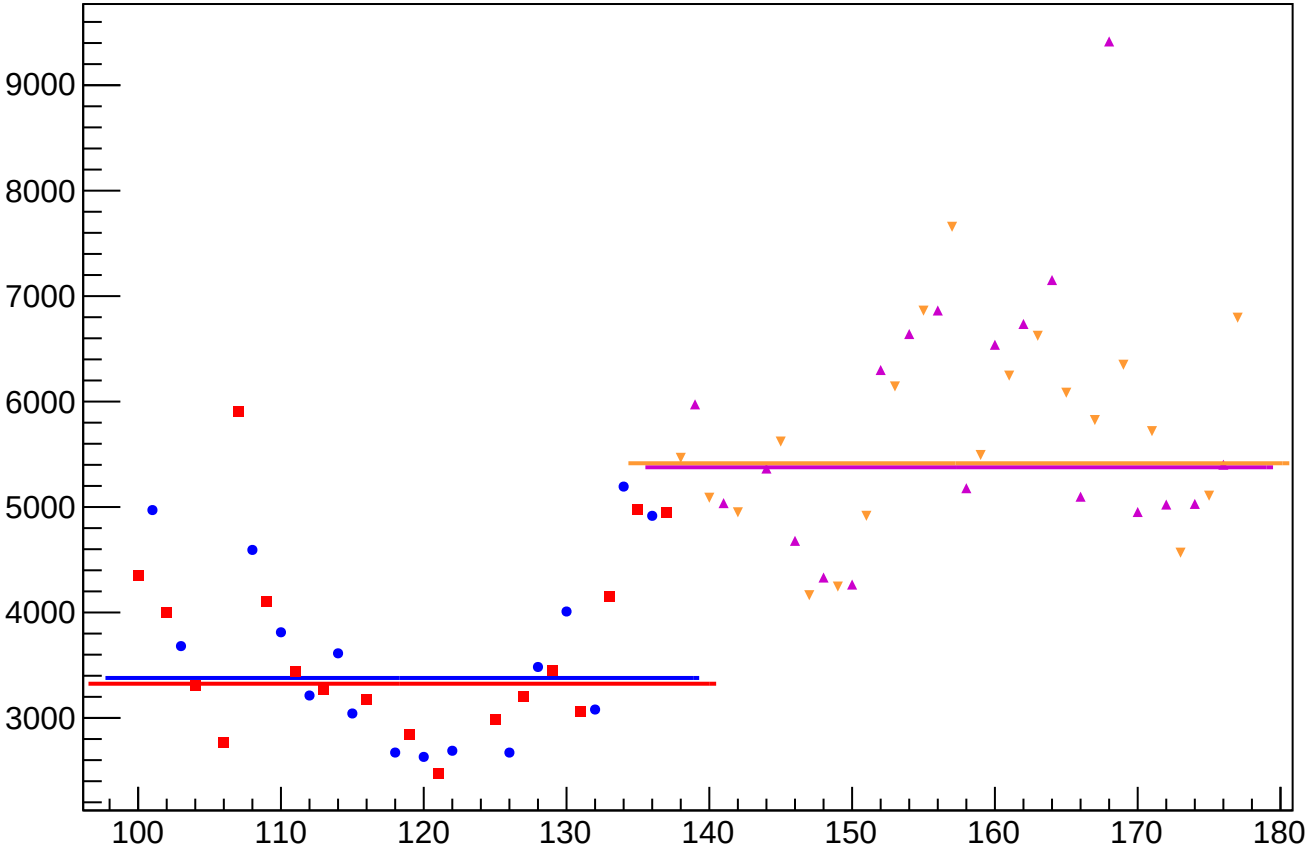
Left In: -642.869+/-1391.292 χ^2/NDF:10.4/18

+ sign -590.575+/-946.412 χ^2/NDF: 46.9/35

All: -574.177+/-664.950 χ^2/NDF: 76.0/72

- sign -558.190+/-934.465 χ^2/NDF: 29.1/36

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5415.046+/-0.980 χ^2/NDF:814785.3/19

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

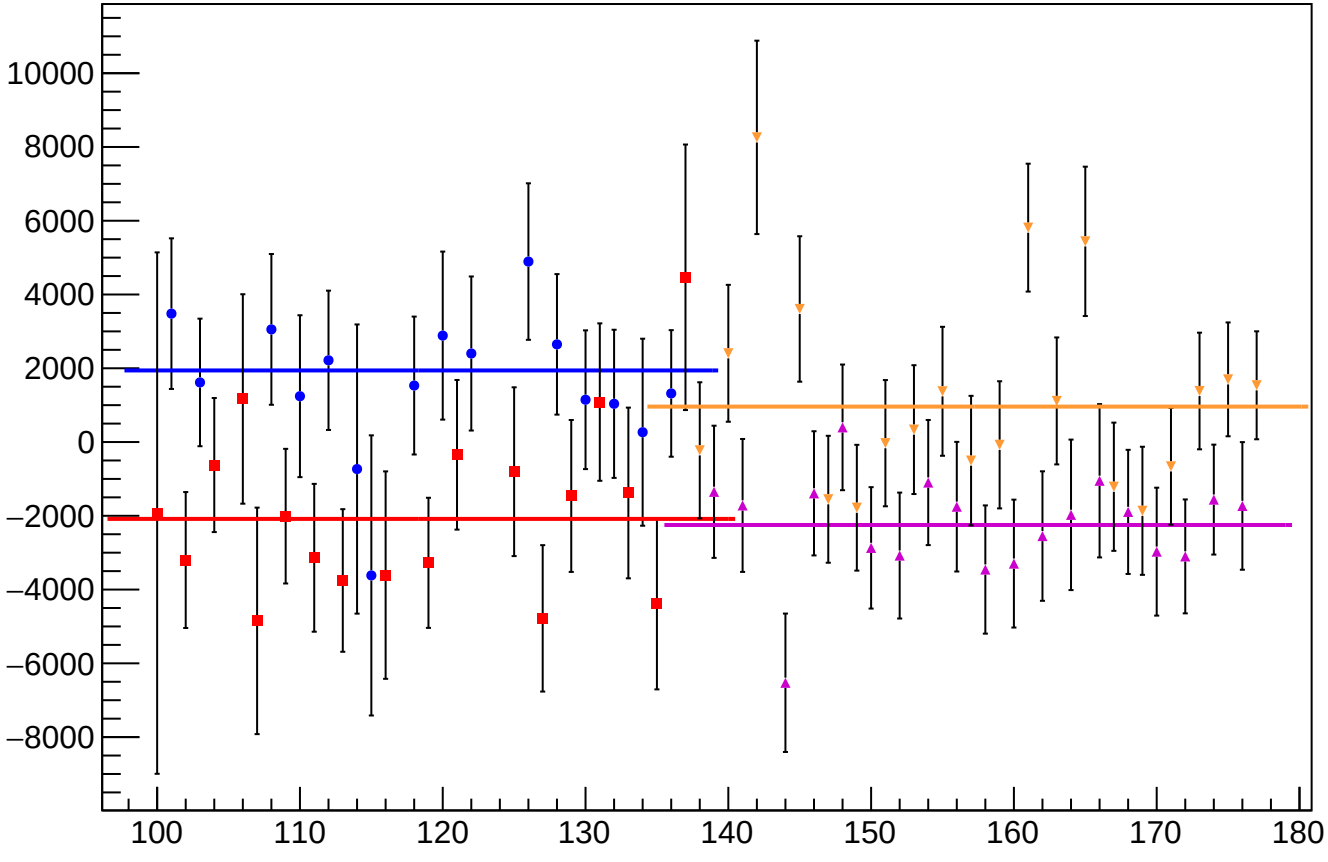
Left In: 5377.099+/-0.984 χ^2/NDF:1002421.9/18

+ sign 4327.541+/-0.669 χ^2/NDF: 3873194.2/35

All: 4288.499+/-0.470 χ^2/NDF: 7815624.5/72

- sign 4250.436+/-0.661 χ^2/NDF: 3935708.4/36

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 960.396+/-389.613 χ^2/NDF:35.3/19

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

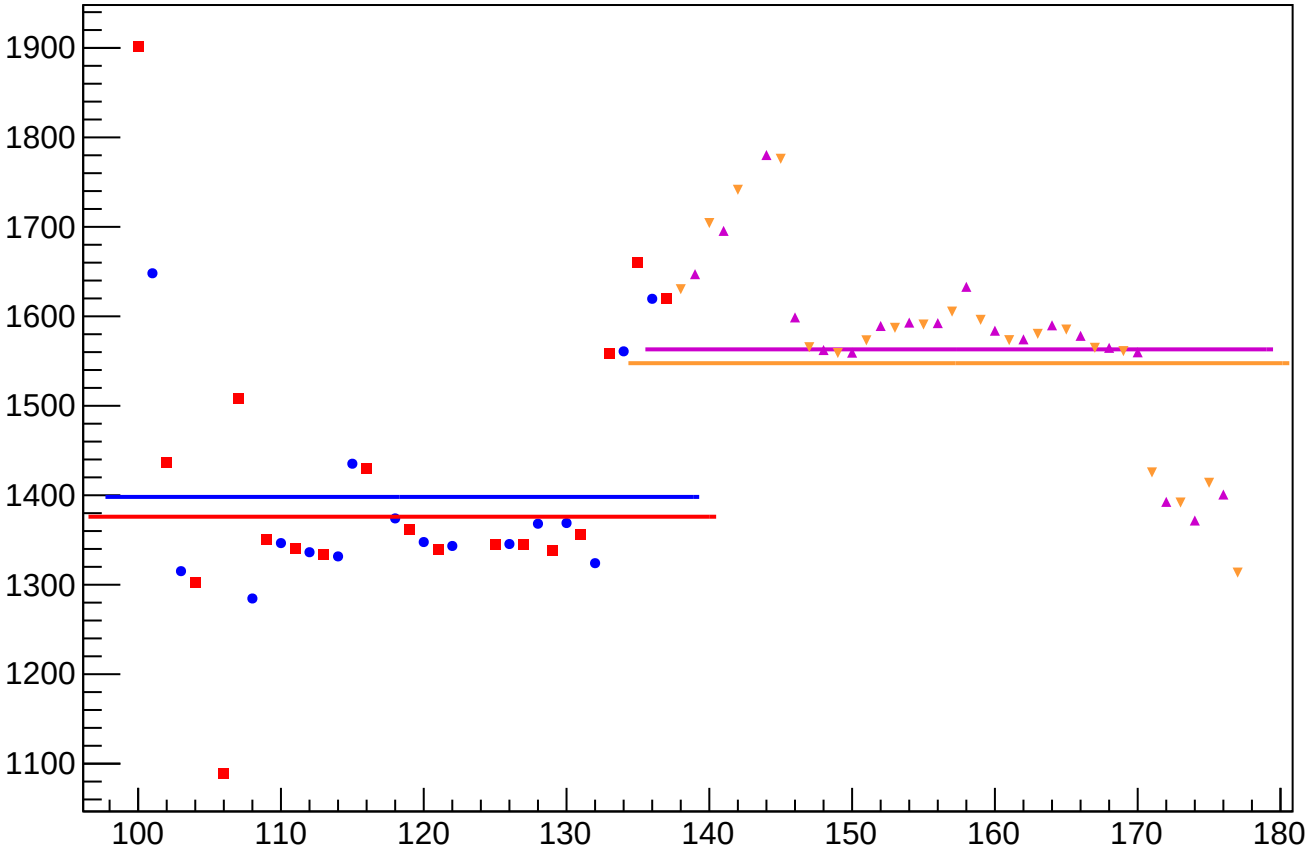
Left In: -2249.179+/-397.354 χ^2/NDF:11.2/18

+ sign 1311.094+/-312.269 χ^2/NDF: 44.5/35

All: -419.836+/-221.988 χ^2/NDF: 132.3/72

- sign -2188.285+/-315.635 χ^2/NDF: 25.7/36

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1547.626+/-0.275 χ^2/NDF:162394.8/19

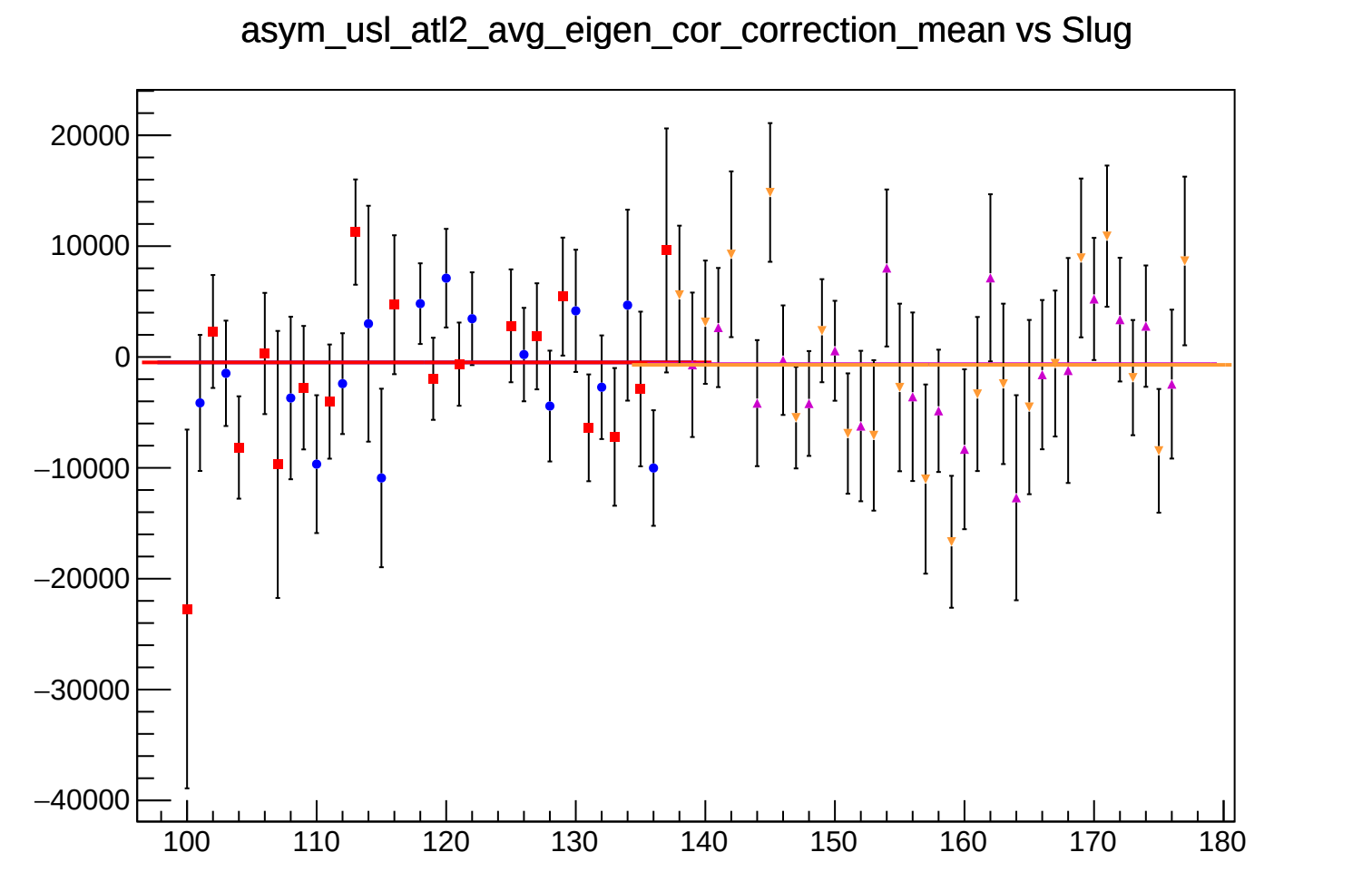
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.1/18

+ sign 1494.173+/-0.221 χ^2/NDF: 361579.2/35

All: 1493.530+/-0.157 χ^2/NDF: 765497.1/72

- sign 1492.880+/-0.222 χ^2/NDF: 403900.9/36



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -709.839+/-1386.626 χ^2/NDF:31.0/19

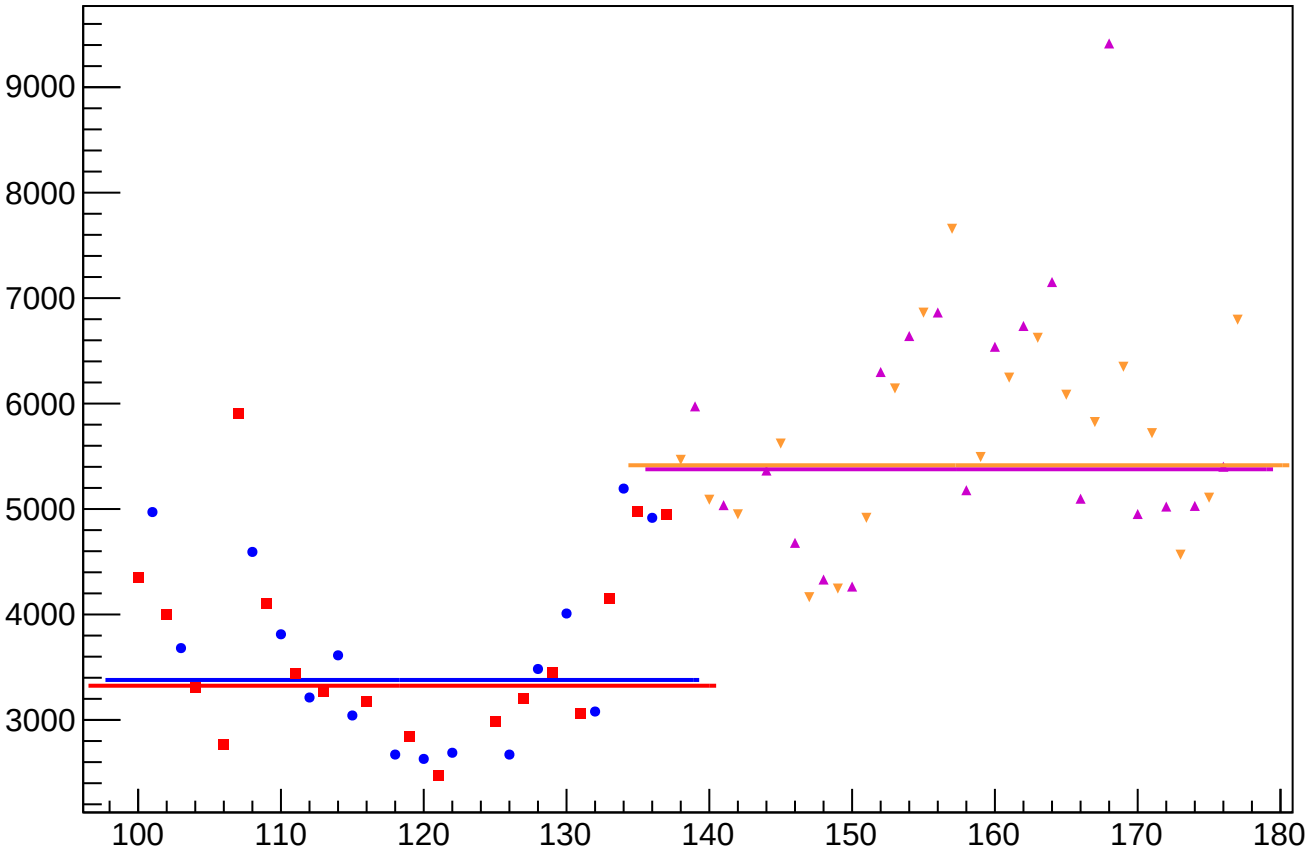
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -642.869+/-1391.292 χ^2/NDF:10.4/18

+ sign -590.575+/-946.412 χ^2/NDF: 46.9/35

All: -574.177+/-664.950 χ^2/NDF: 76.0/72

- sign -558.190+/-934.465 χ^2/NDF: 29.1/36



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5415.046+/-0.980 χ^2/NDF:814785.3/19

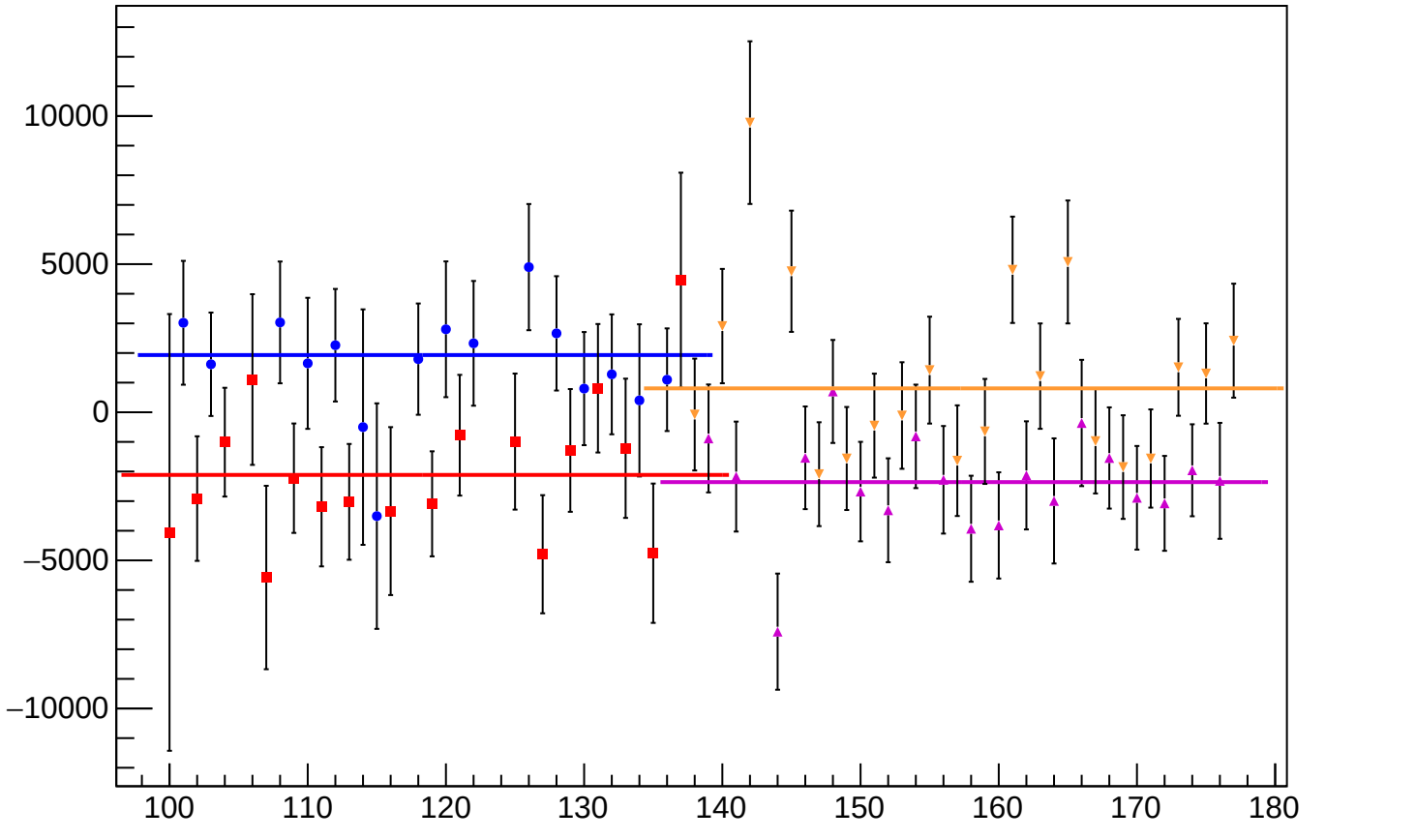
Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5377.099+/-0.984 χ^2/NDF:1002421.9/18

+ sign 4327.541+/-0.669 χ^2/NDF: 3873194.2/35

All: 4288.499+/-0.470 χ^2/NDF: 7815624.5/72

- sign 4250.436+/-0.661 χ^2/NDF: 3935708.4/36



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 806.361+/-408.721 χ^2/NDF:39.3/19

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

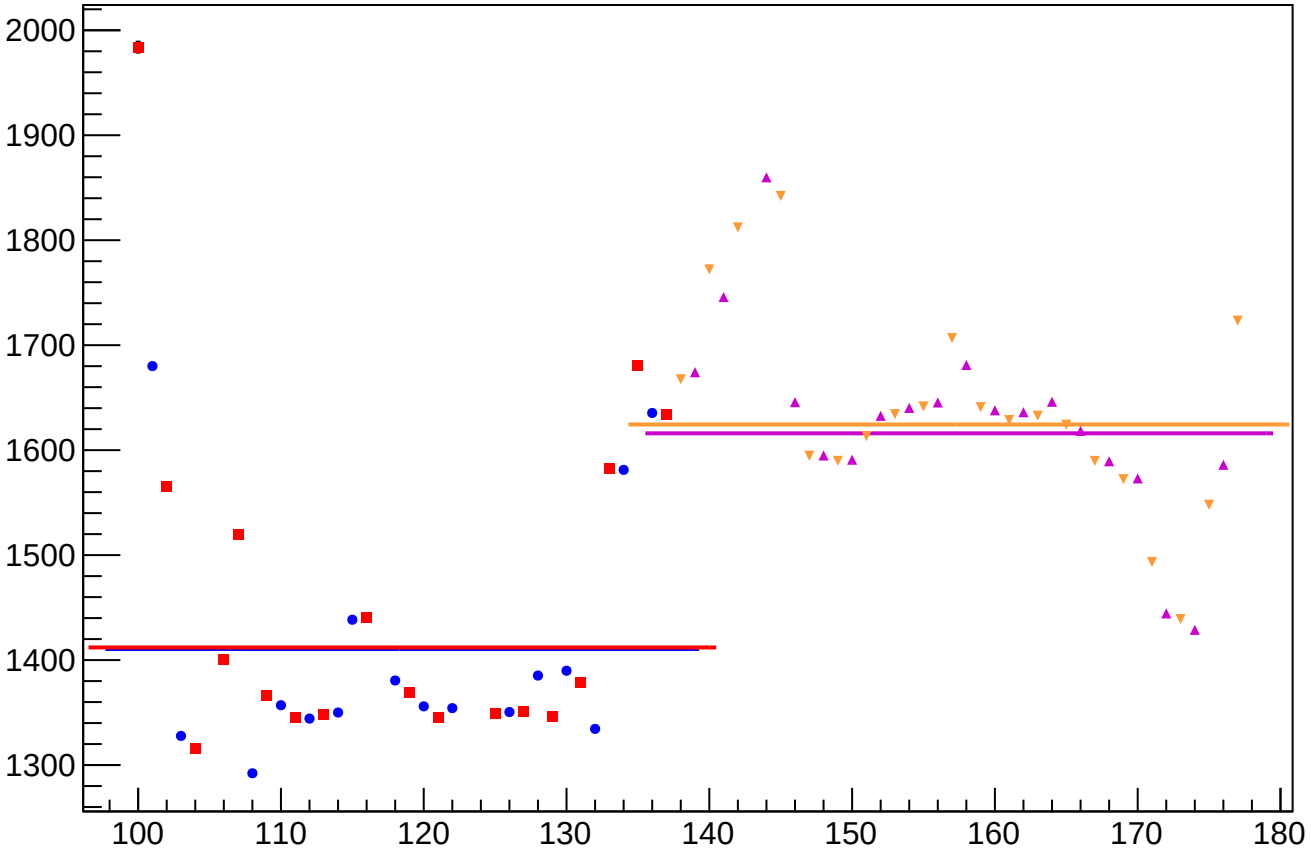
Left In: -2358.162+/-410.695 χ^2/NDF:14.7/18

+ sign 1228.822+/-323.002 χ^2/NDF: 48.5/35

All: -511.632+/-228.876 χ^2/NDF: 134.9/72

- sign -2266.747+/-324.360 χ^2/NDF: 28.1/36

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.434+/-0.289 χ^2/NDF:100683.4/19

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

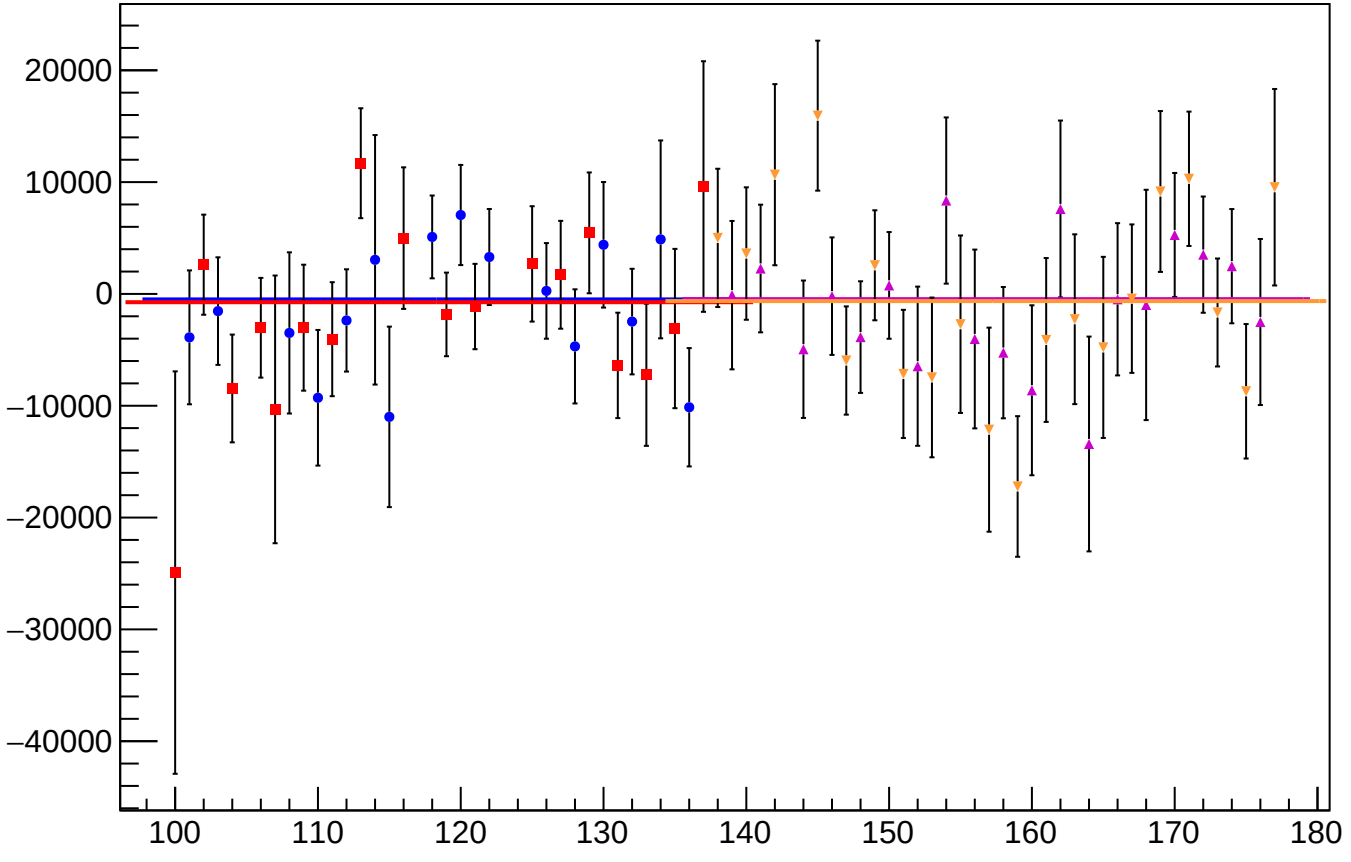
Left In: 1616.029+/-0.290 χ^2/NDF:102990.0/18

+ sign 1544.146+/-0.228 χ^2/NDF: 405382.7/35

All: 1541.594+/-0.162 χ^2/NDF: 784573.4/72

- sign 1539.027+/-0.229 χ^2/NDF: 378940.4/36

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -641.169+/-1437.674 χ^2/NDF:30.7/19

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

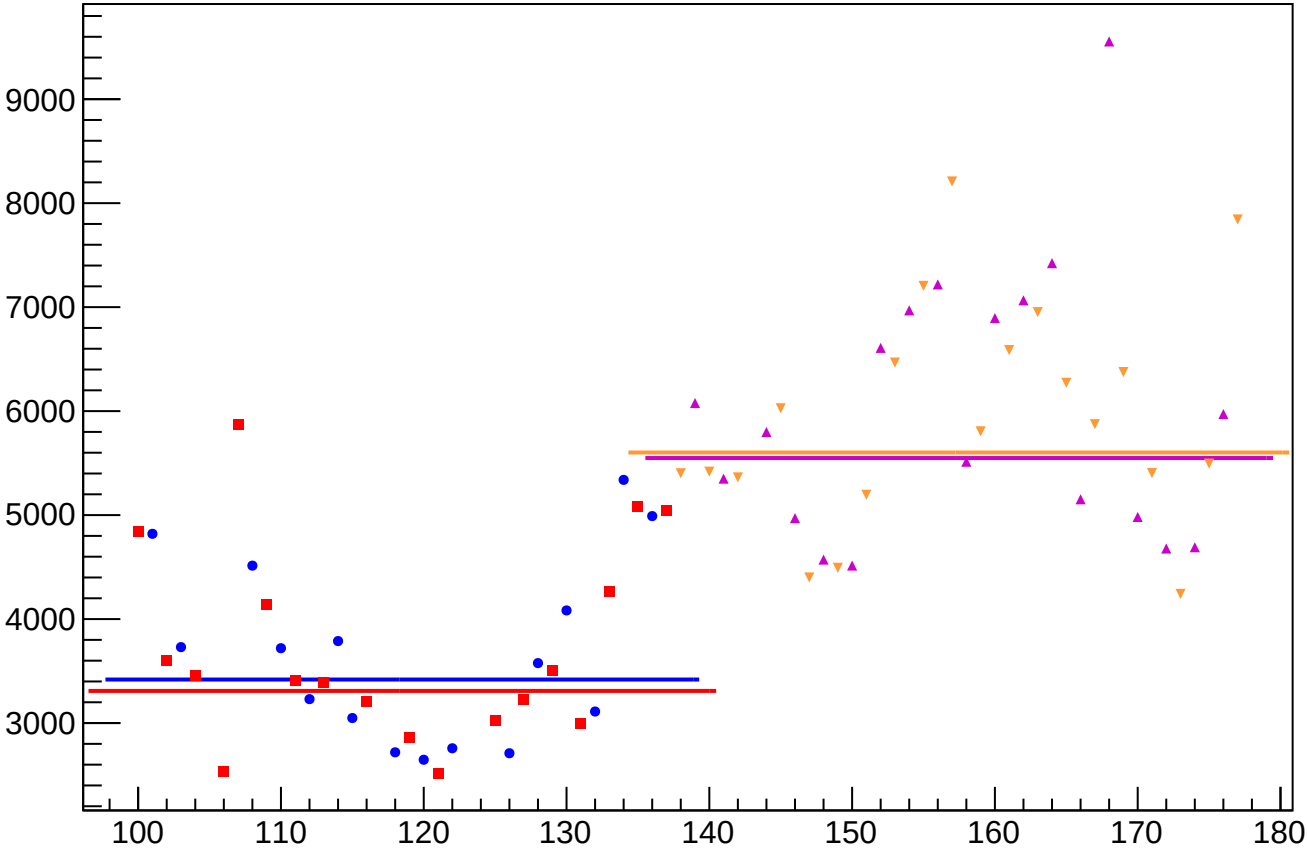
Left In: -466.082+/-1437.723 χ^2/NDF:10.4/18

\+ sign -558.173+/-967.778 χ^2/NDF: 46.6/35

All: -591.261+/-675.185 χ^2/NDF: 76.2/72

\- sign -622.638+/-942.437 χ^2/NDF: 29.6/36

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5602.083+/-1.017 χ^2/NDF:956089.8/19

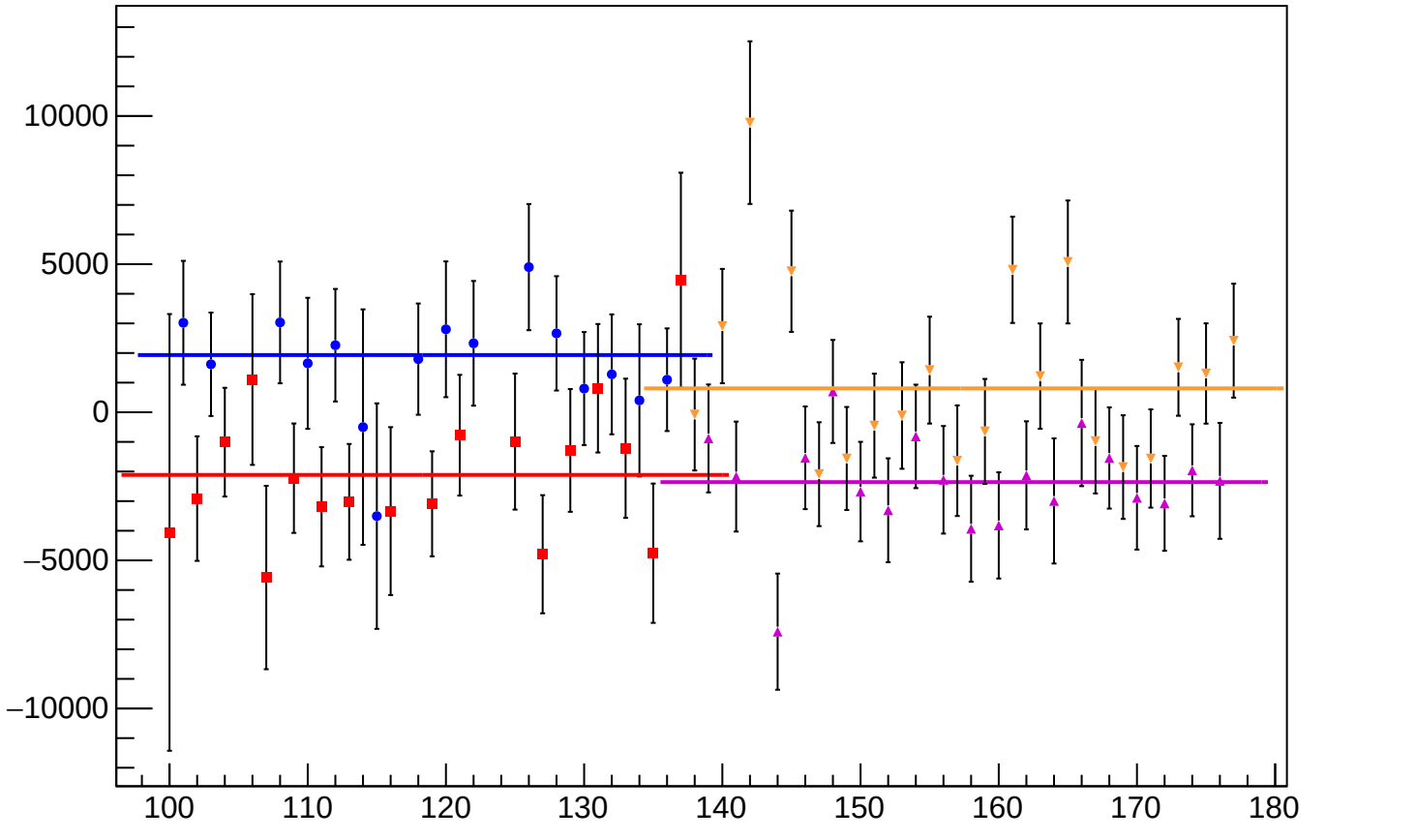
Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5548.756+/-1.017 χ^2/NDF:1079546.5/18

+ sign 4408.075+/-0.684 χ^2/NDF: 4199890.2/35

All: 4337.957+/-0.477 χ^2/NDF: 8639727.7/72

- sign 4271.463+/-0.666 χ^2/NDF: 4419382.4/36



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 806.355+/-408.721 χ^2/NDF:39.3/19

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

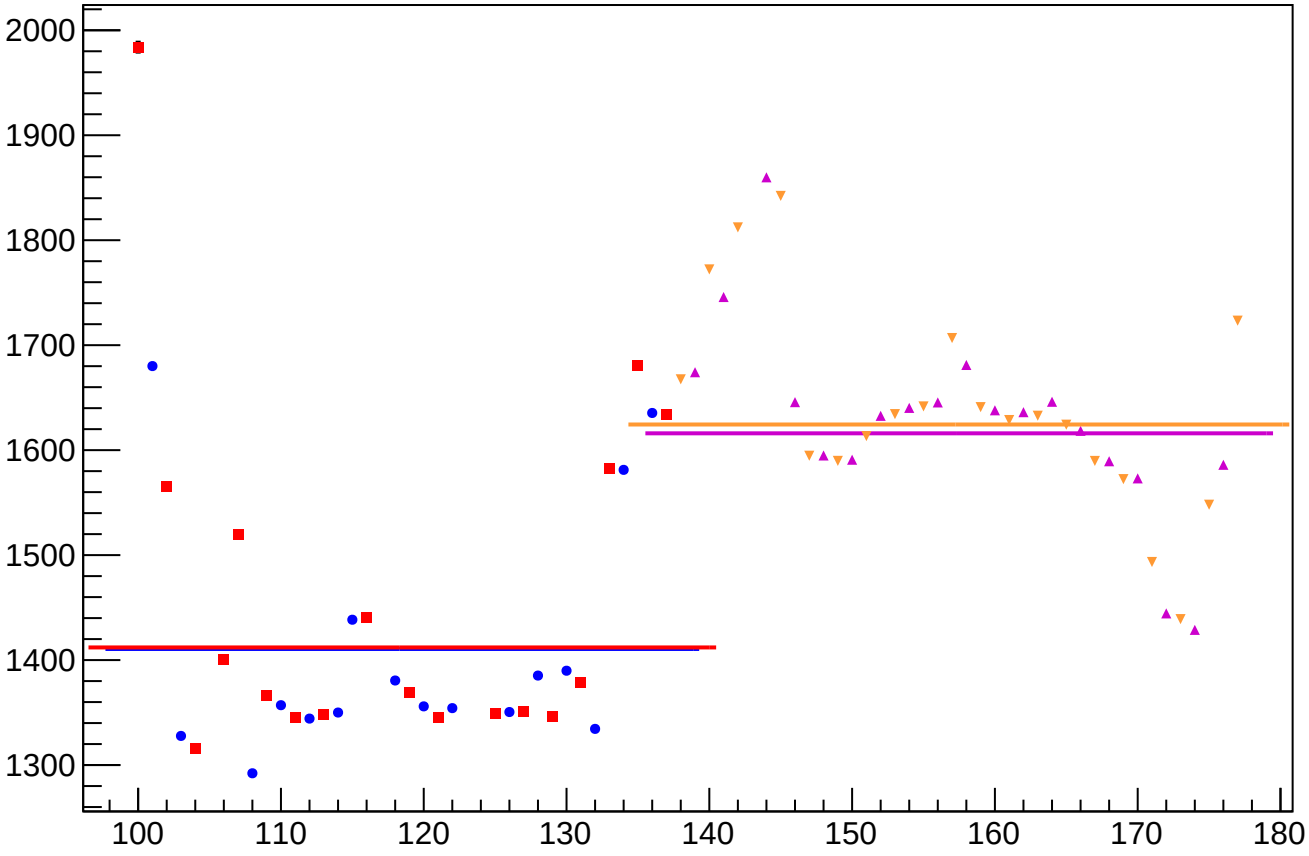
Left In: -2358.164+/-410.695 χ^2/NDF:14.7/18

+ sign 1228.820+/-323.002 χ^2/NDF: 48.5/35

All: -511.634+/-228.876 χ^2/NDF: 134.9/72

- sign -2266.748+/-324.360 χ^2/NDF: 28.1/36

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.435+/-0.289 χ^2/NDF:100687.8/19

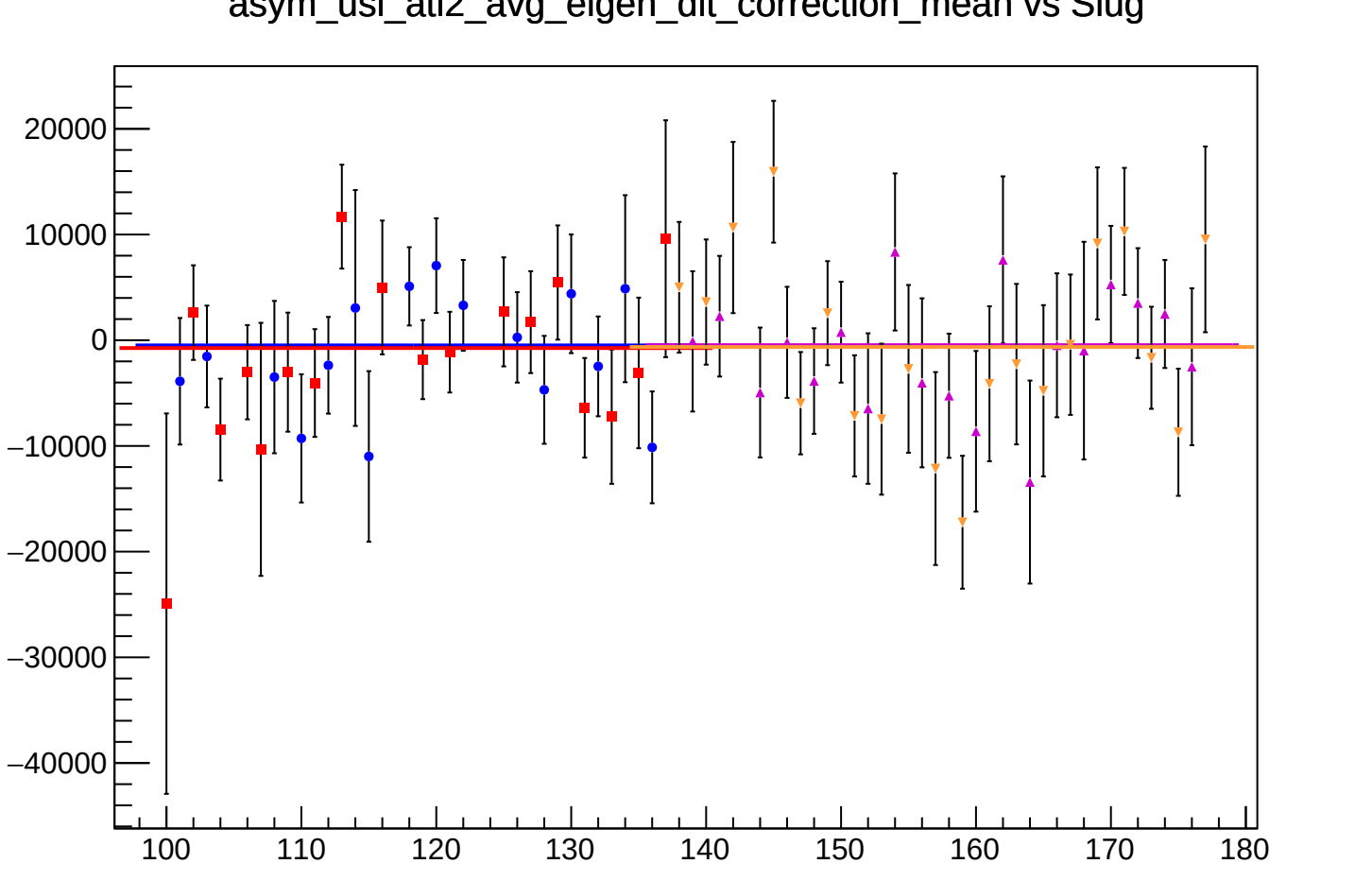
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1616.030+/-0.290 χ^2/NDF:102993.3/18

\+ sign 1544.146+/-0.228 χ^2/NDF: 405388.5/35

All: 1541.595+/-0.162 χ^2/NDF: 784584.2/72

\- sign 1539.027+/-0.229 χ^2/NDF: 378945.3/36



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -641.175+/-1437.676 χ^2/NDF:30.7/19

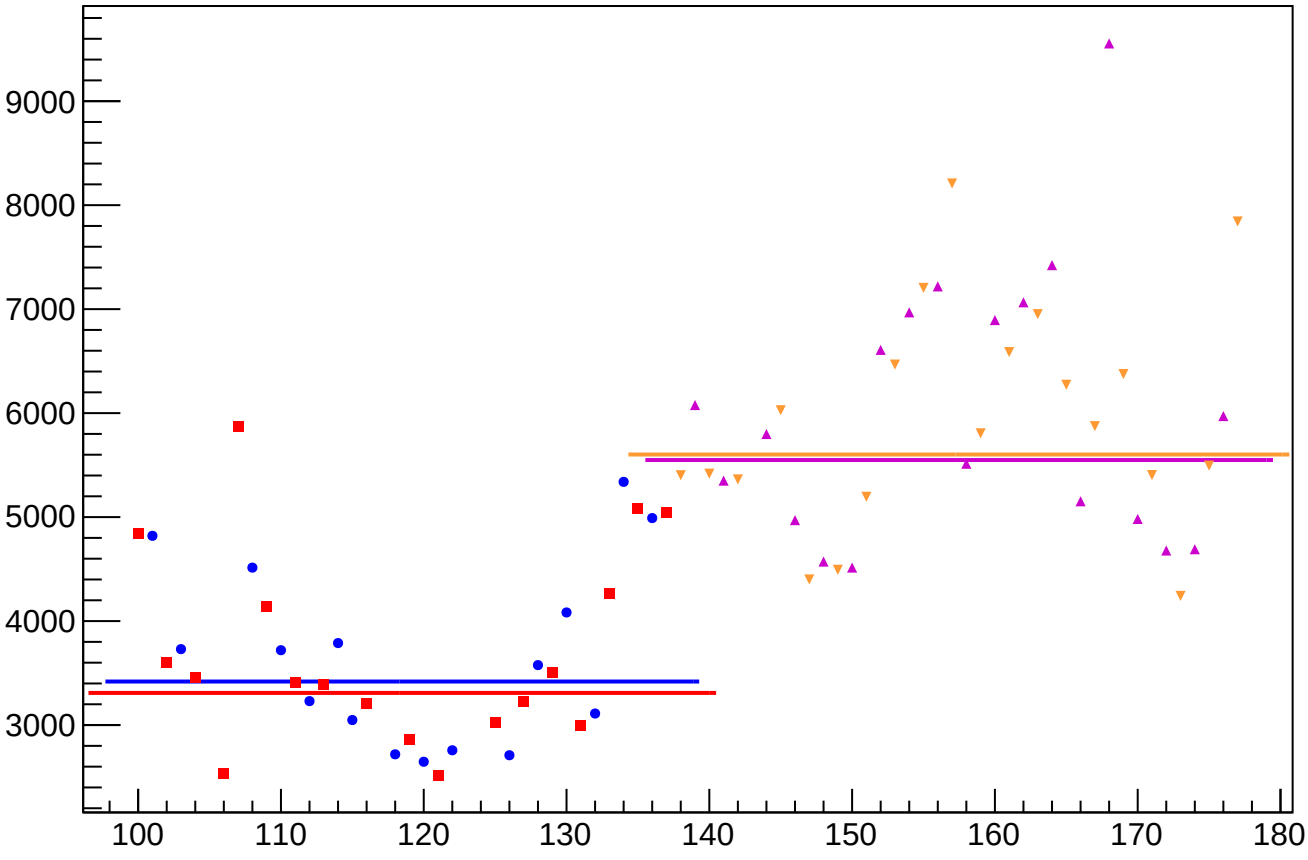
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -466.083+/-1437.725 χ^2/NDF:10.4/18

+ sign -558.172+/-967.778 χ^2/NDF: 46.6/35

All: -591.261+/-675.184 χ^2/NDF: 76.2/72

- sign -622.640+/-942.436 χ^2/NDF: 29.6/36



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5602.092+/-1.017 χ^2/NDF:956090.2/19

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

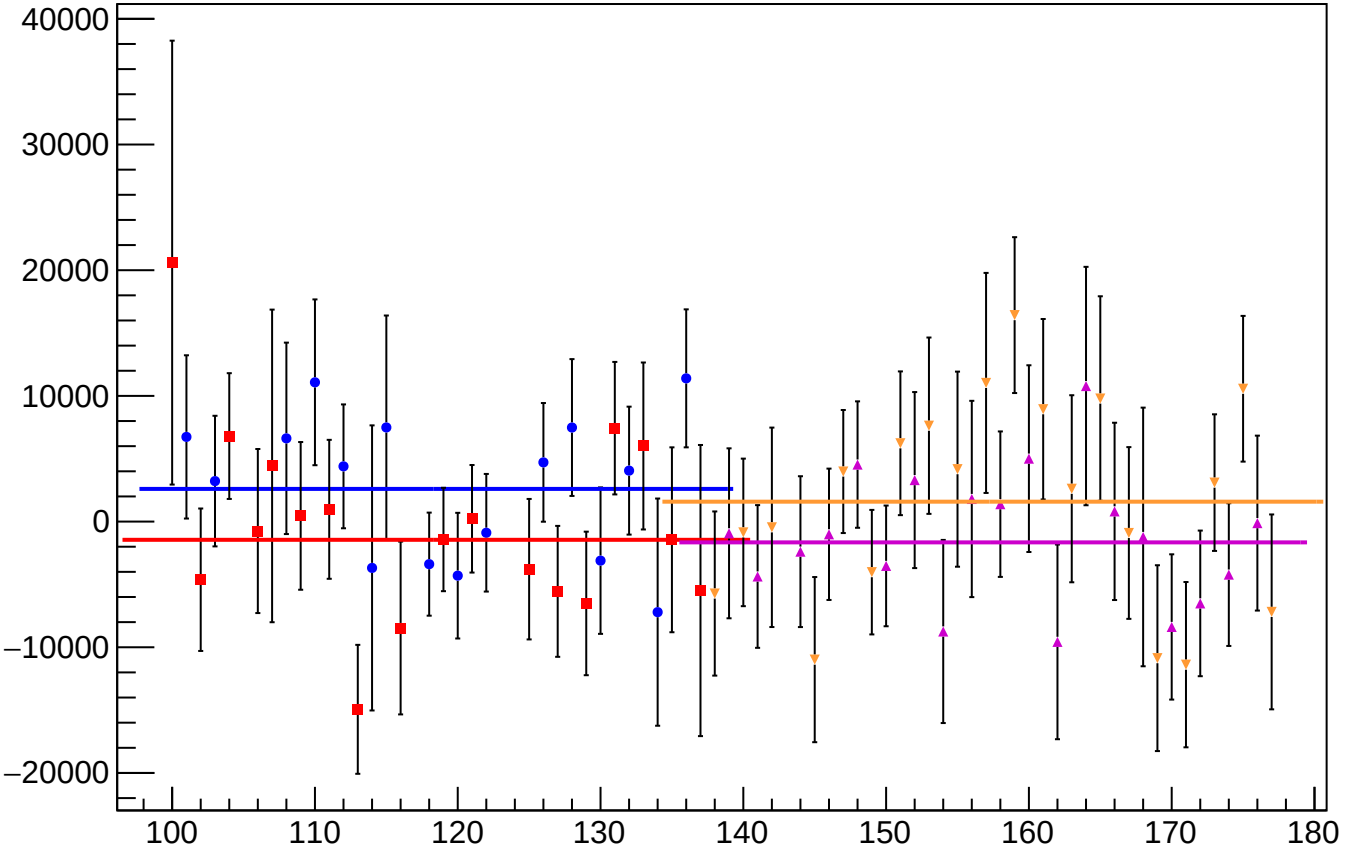
Left In: 5548.765+/-1.017 χ^2/NDF:1079547.1/18

+ sign 4408.068+/-0.684 χ^2/NDF: 4199948.6/35

All: 4337.950+/-0.477 χ^2/NDF: 8639837.9/72

- sign 4271.456+/-0.666 χ^2/NDF: 4419434.2/36

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1583.694+/-1449.062 χ^2/NDF:27.8/19

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

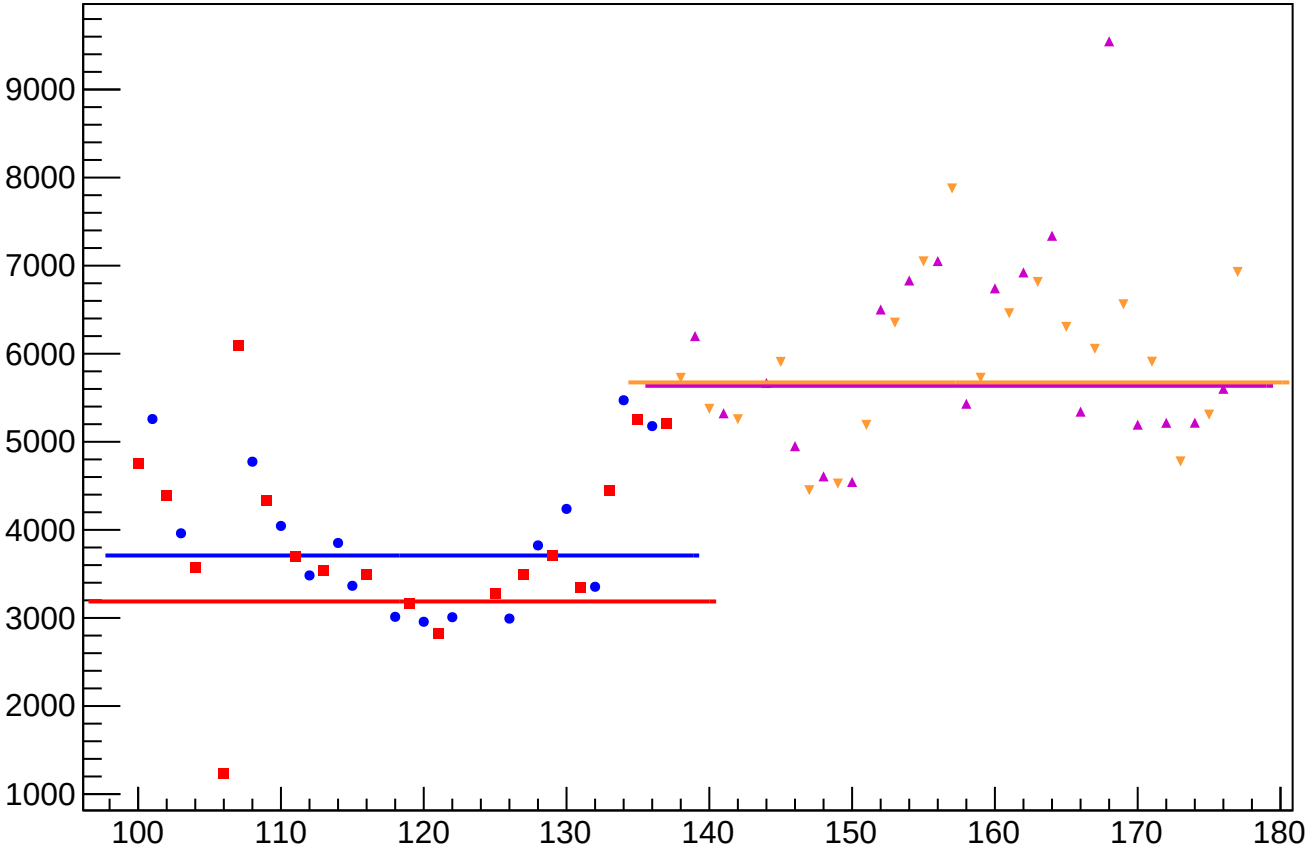
Left In: -1654.661+/-1454.684 χ^2/NDF:9.9/18

+ sign 2103.919+/-1012.200 χ^2/NDF: 41.5/35

All: 260.227+/-712.187 χ^2/NDF: 77.0/72

- sign -1547.370+/-1002.244 χ^2/NDF: 28.9/36

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5674.203+/-1.025 χ^2/NDF:703649.4/19

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

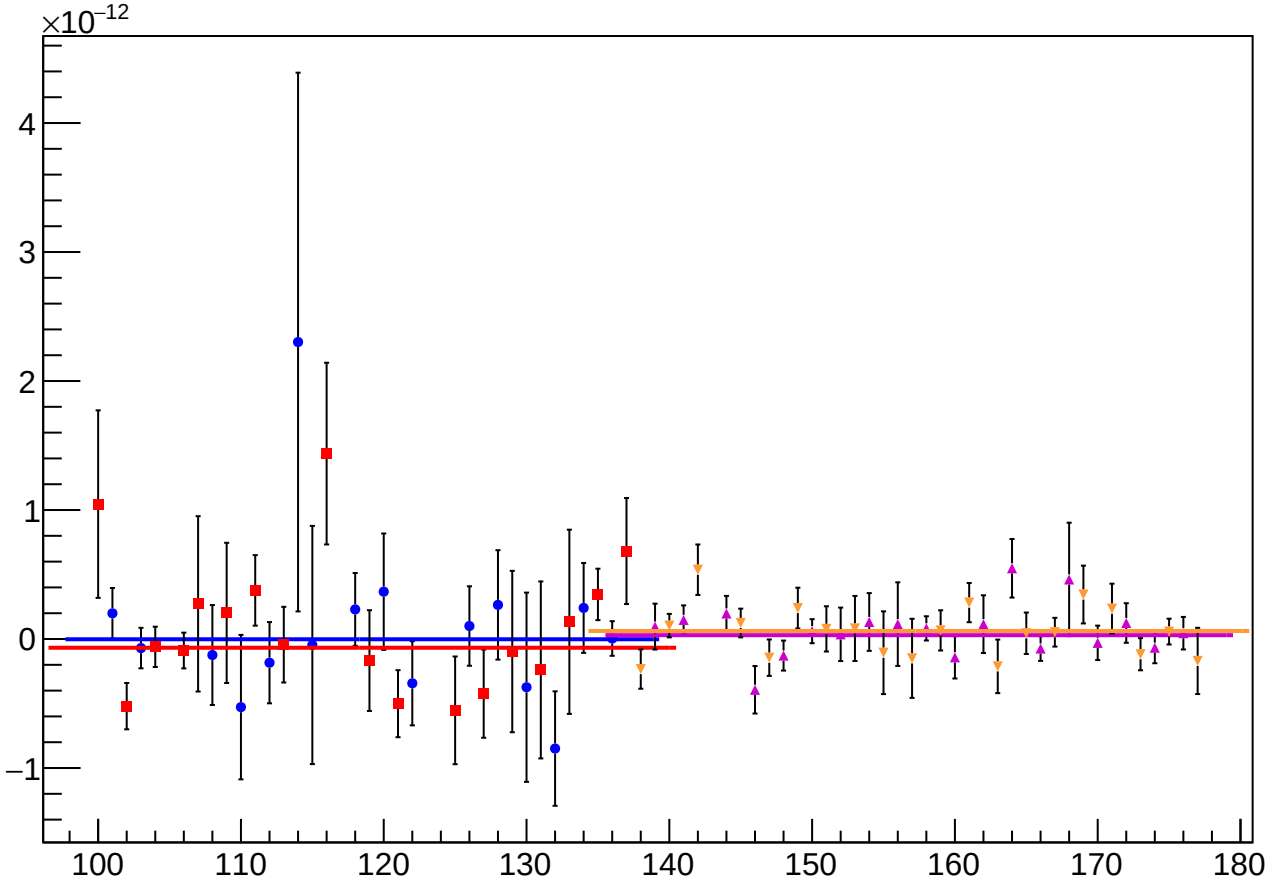
Left In: 5635.790+/-1.029 χ^2/NDF:883886.3/18

+ sign 4667.961+/-0.716 χ^2/NDF: 3197637.0/35

All: 4443.173+/-0.491 χ^2/NDF: 9102125.1/72

- sign 4242.984+/-0.675 χ^2/NDF: 5718006.3/36

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:23.5/19

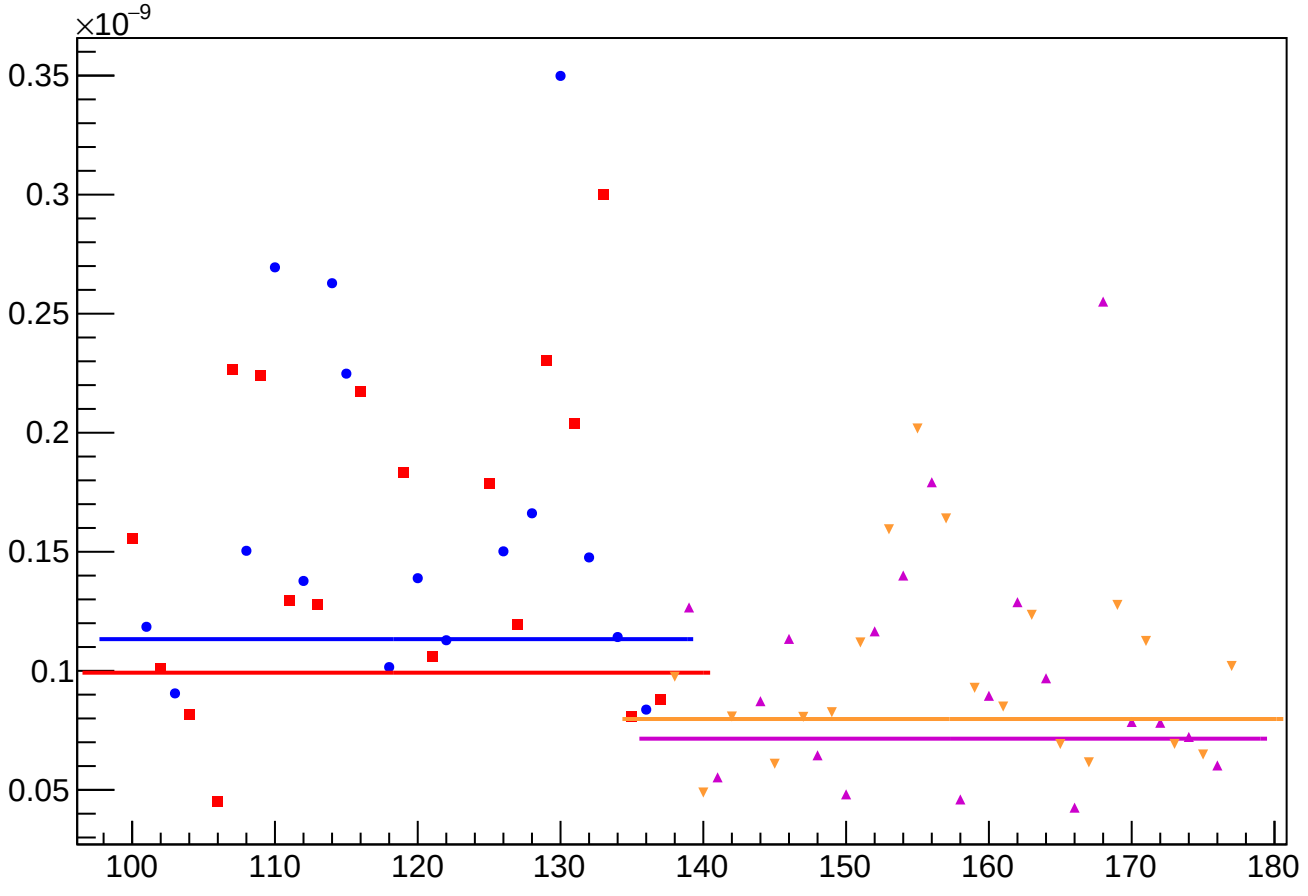
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:20.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 35.3/35

All: 0.000+/-0.000 χ^2/NDF: 87.9/72

- sign 0.000+/-0.000 χ^2/NDF: 51.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1412695.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

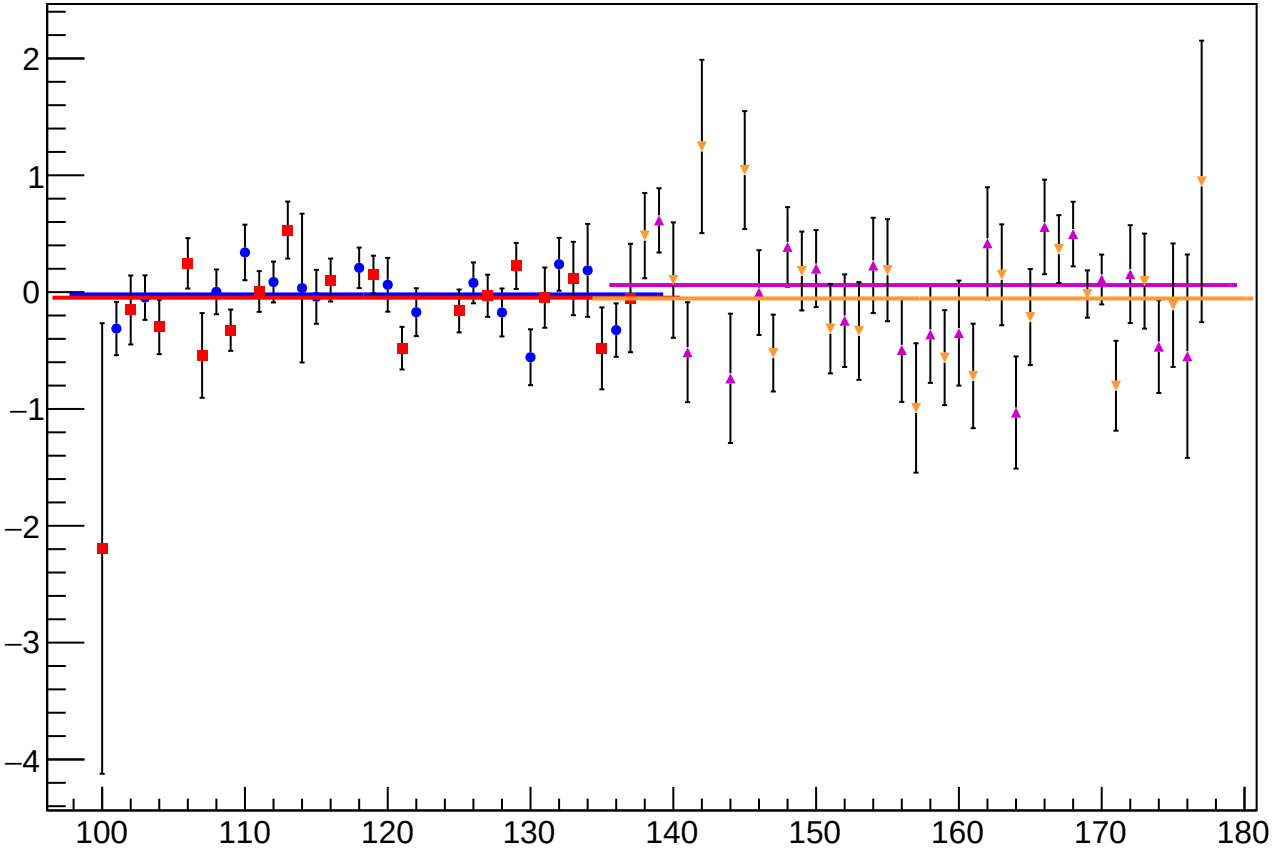
Left In: 0.000+/-0.000 χ^2/NDF:1884921.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 2437802.6/35

All: 0.000+/-0.000 χ^2/NDF: 5806603.5/72

- sign 0.000+/-0.000 χ^2/NDF: 3273225.4/36

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: -0.054+/-0.087 χ^2/NDF:27.6/19

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

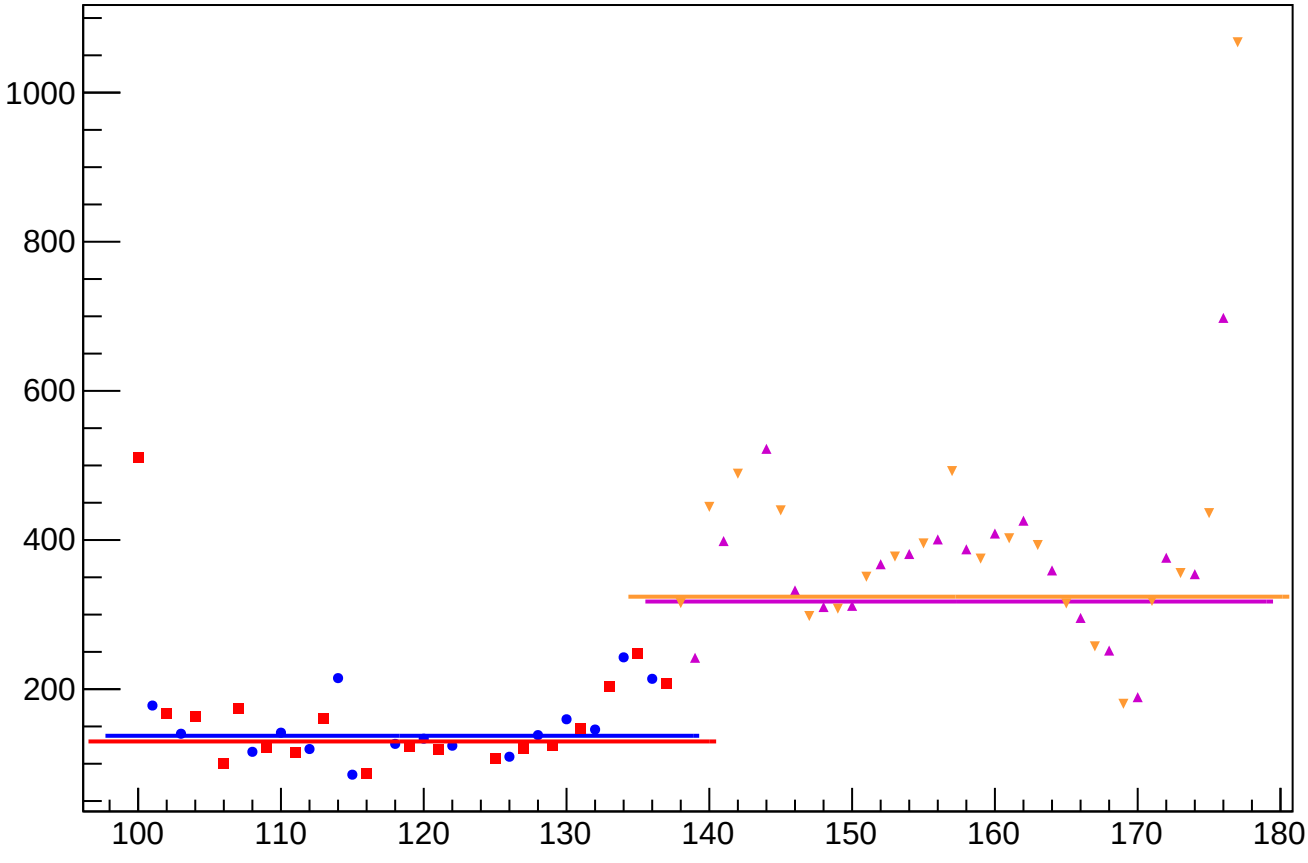
Left In: 0.060+/-0.085 χ^2/NDF:25.3/18

+ sign -0.029+/-0.046 χ^2/NDF: 43.7/35

All: -0.023+/-0.032 χ^2/NDF: 96.5/72

- sign -0.018+/-0.045 χ^2/NDF: 52.8/36

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 324.013+/-0.062 χ^2/NDF:2745996.0/19

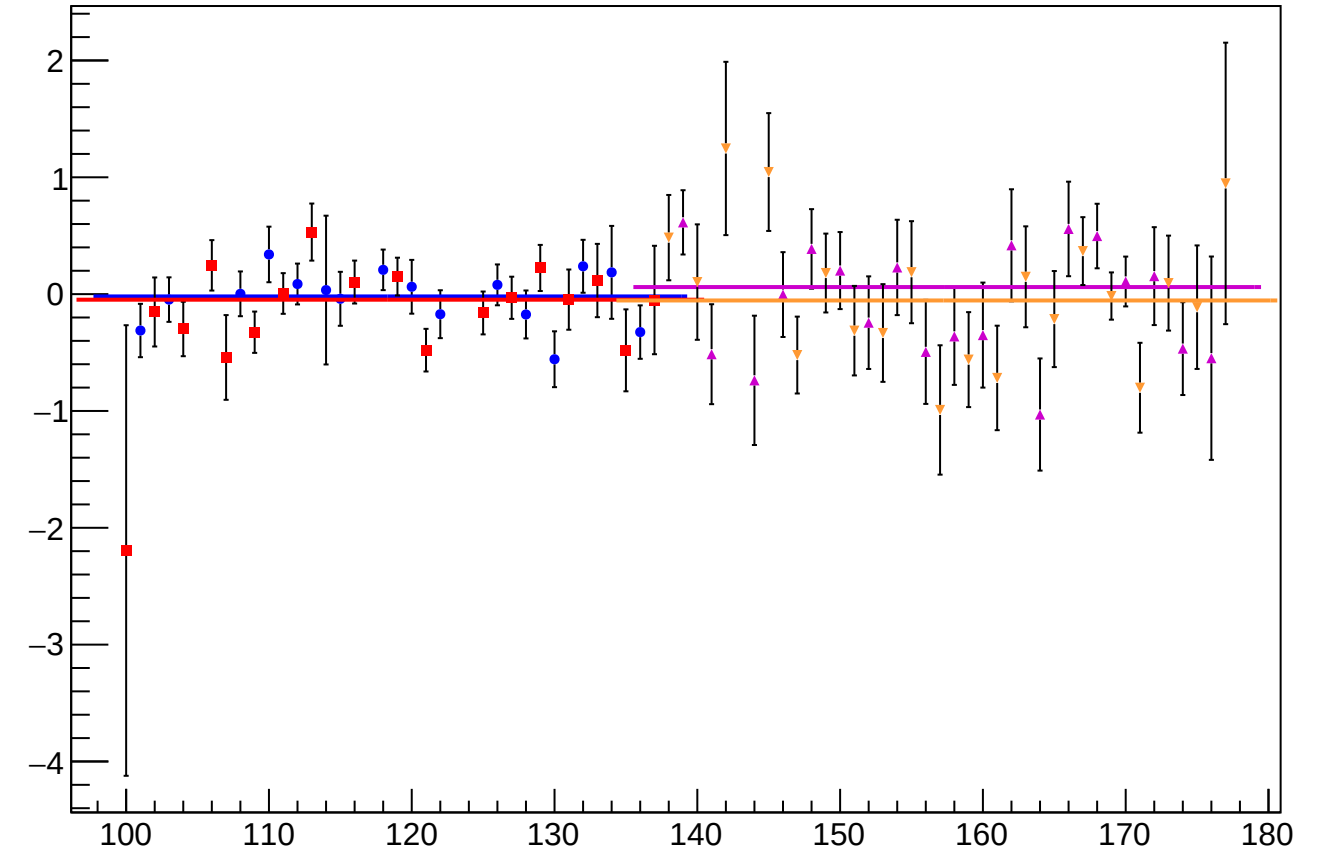
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 317.515+/-0.060 χ^2/NDF:2189448.2/18

+ sign 189.650+/-0.033 χ^2/NDF: 10060782.3/35

All: 185.604+/-0.023 χ^2/NDF: 20182793.5/72

- sign 181.795+/-0.032 χ^2/NDF: 10091985.0/36



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.054+/-0.087 χ^2/NDF:27.6/19

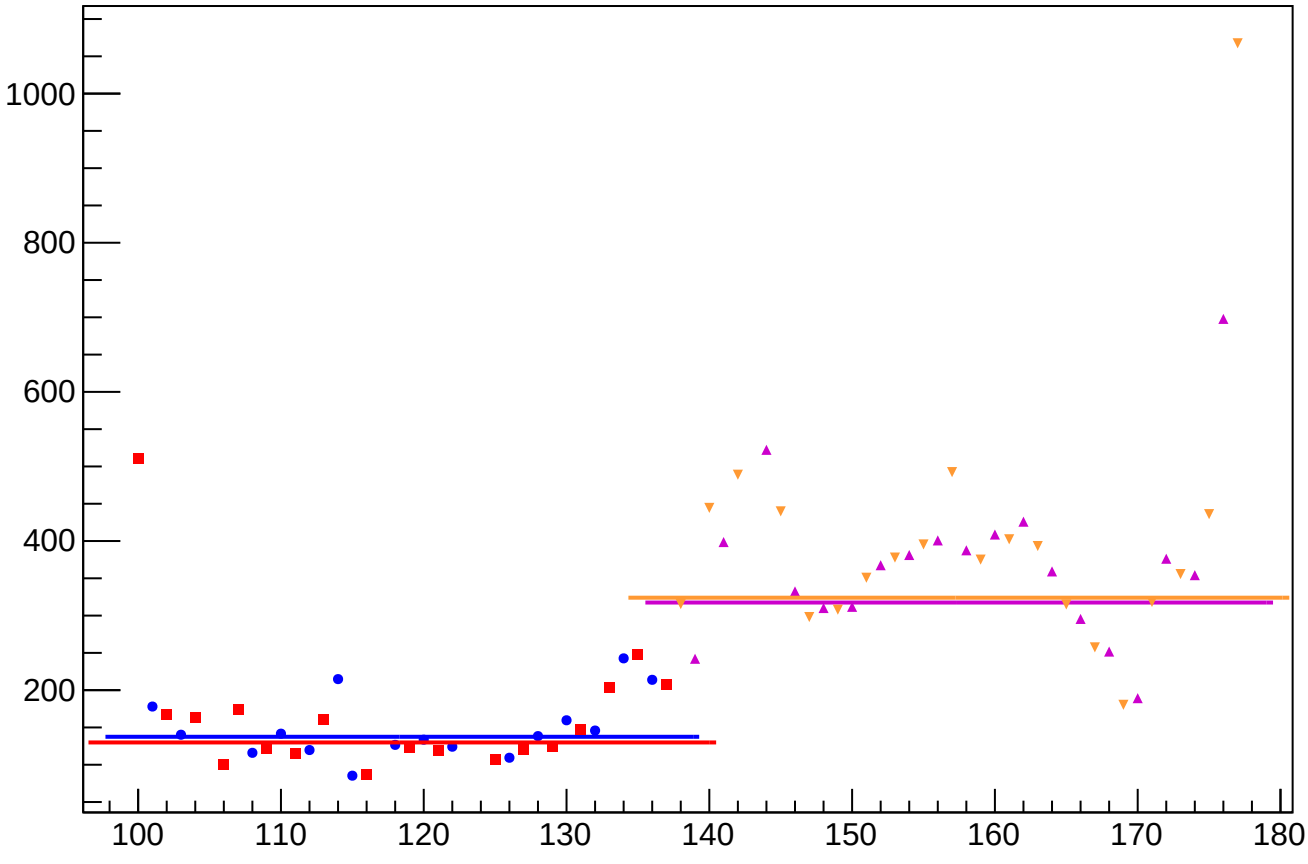
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.060+/-0.085 χ^2/NDF:25.3/18

+ sign -0.029+/-0.046 χ^2/NDF: 43.7/35

All: -0.023+/-0.032 χ^2/NDF: 96.5/72

- sign -0.018+/-0.045 χ^2/NDF: 52.8/36



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 324.013+/-0.062 χ^2/NDF:2745996.0/19

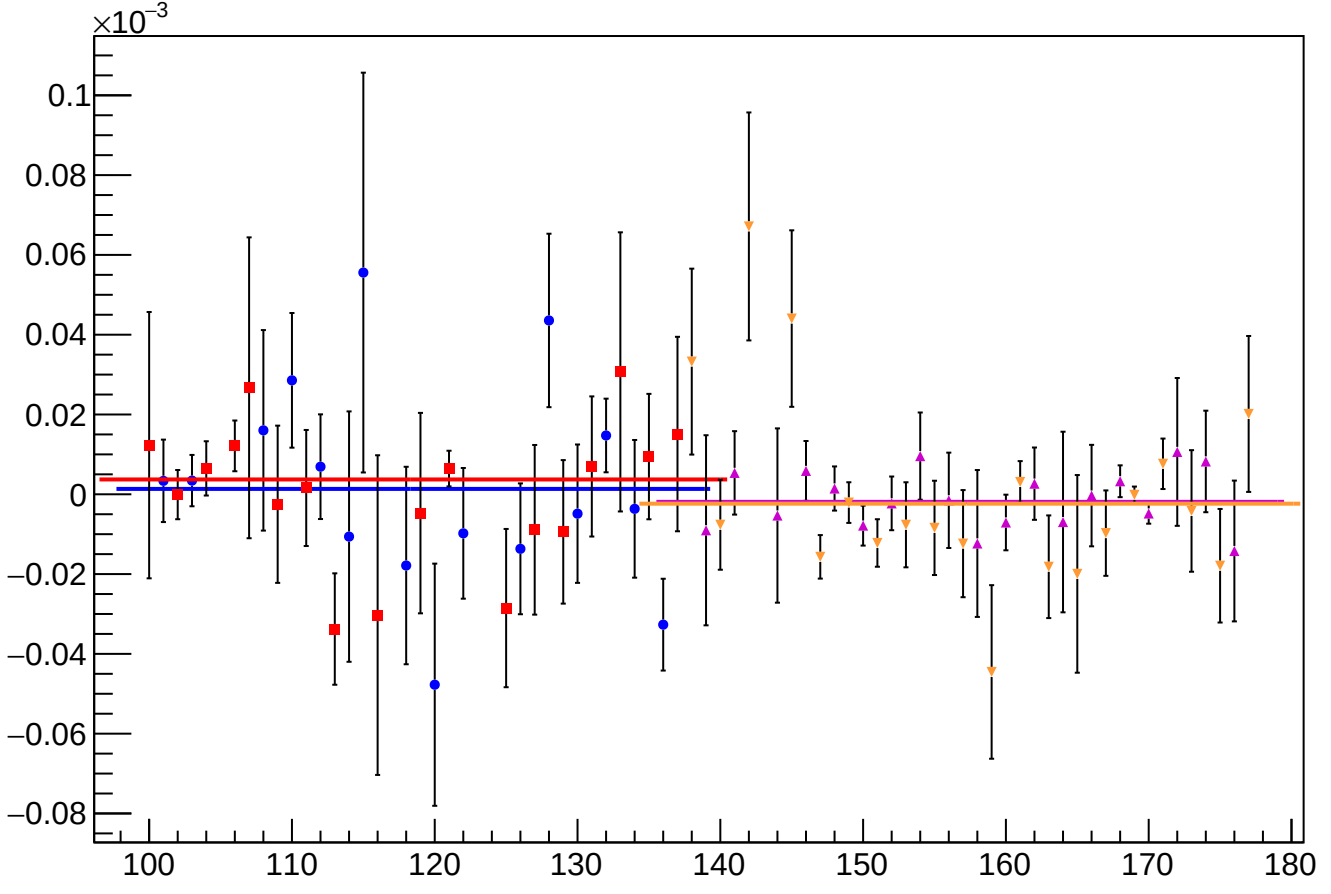
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 317.515+/-0.060 χ^2/NDF:2189448.2/18

+ sign 189.650+/-0.033 χ^2/NDF: 10060782.3/35

All: 185.604+/-0.023 χ^2/NDF: 20182793.5/72

- sign 181.795+/-0.032 χ^2/NDF: 10091985.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/19

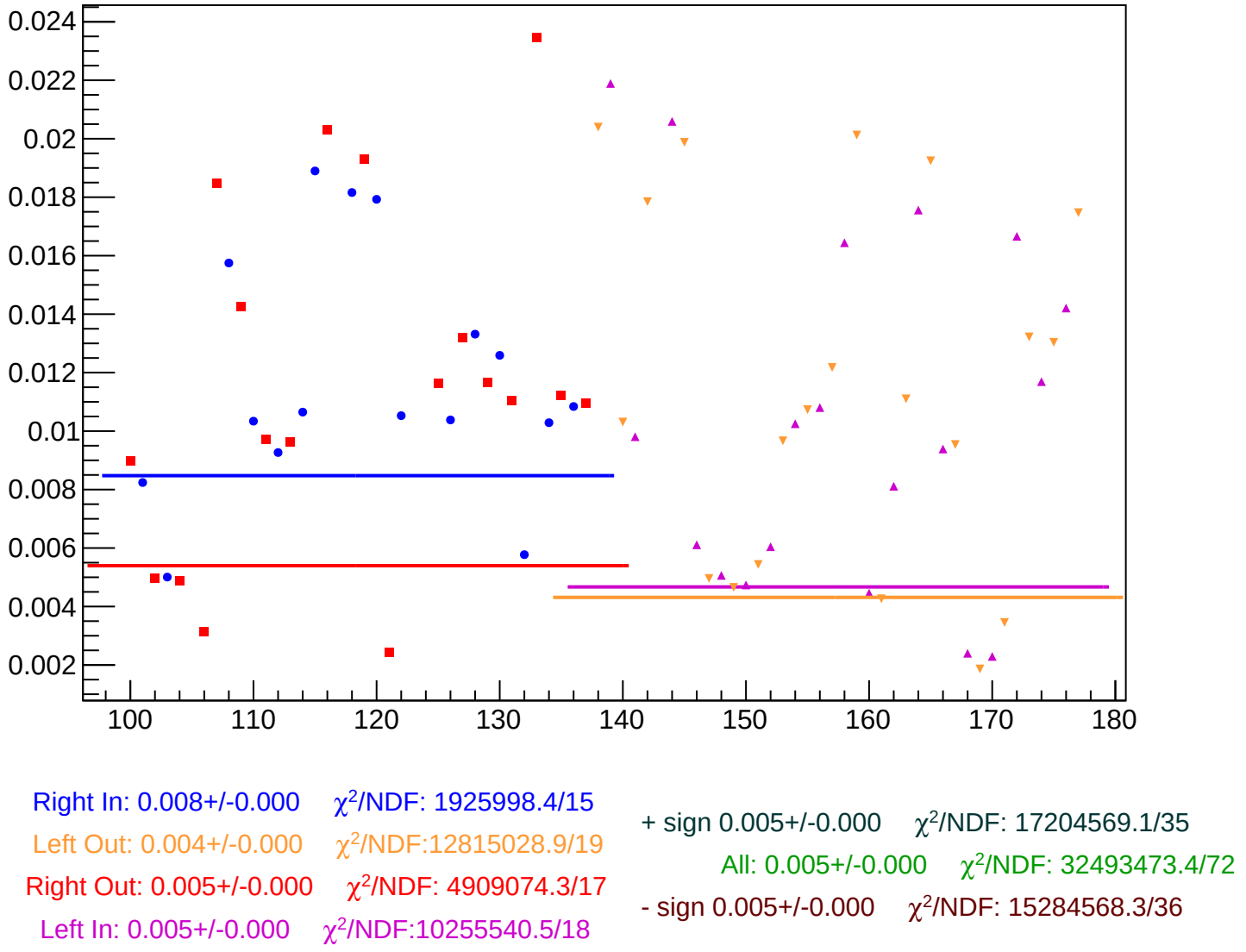
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

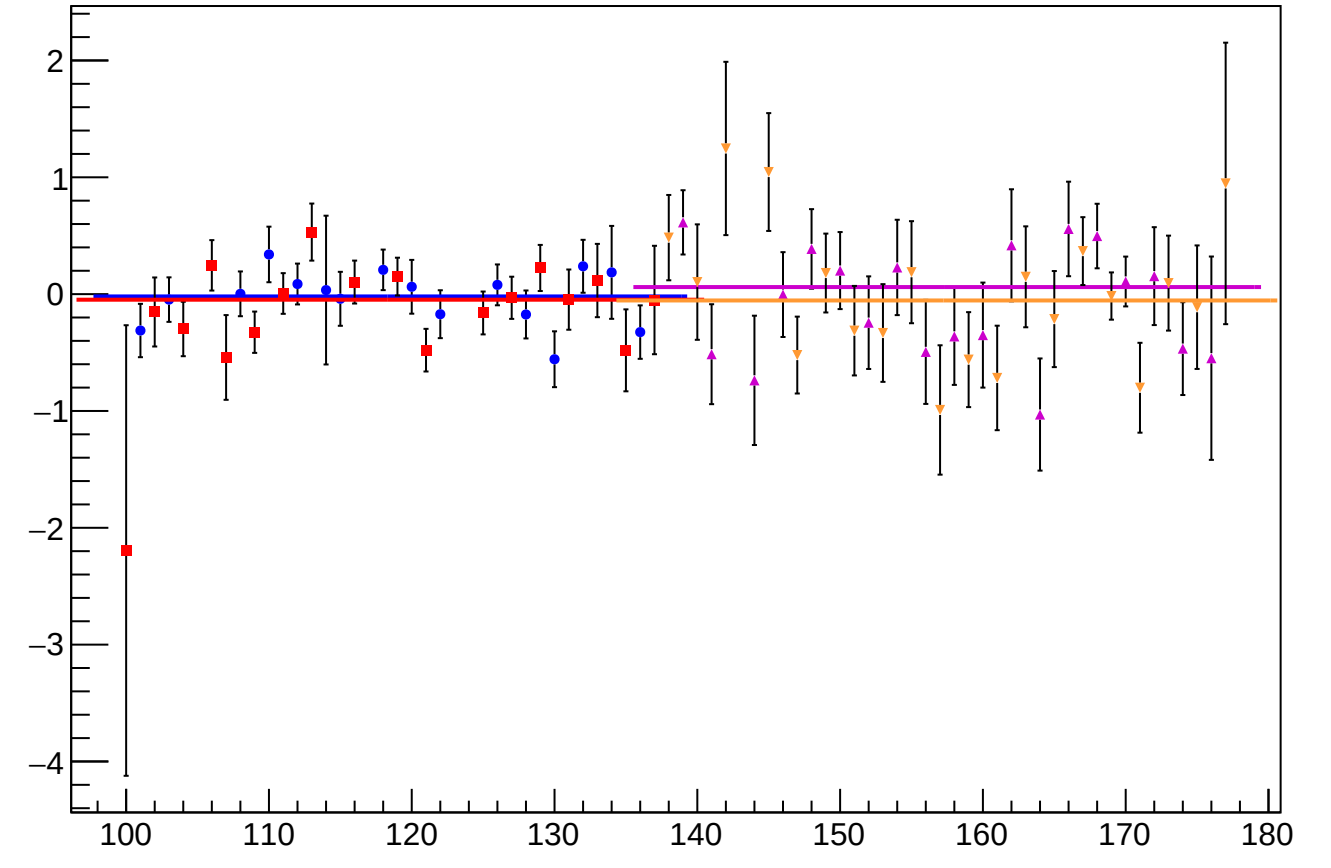
Left In: -0.000+/-0.000 χ^2/NDF:10.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/35

All: -0.000+/-0.000 χ^2/NDF: 91.3/72

- sign -0.000+/-0.000 χ^2/NDF: 29.7/36


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:12815028.9/19
Right Out: 0.005+/-0.000 χ²/NDF: 4909074.3/17
Left In: 0.005+/-0.000 χ²/NDF:10255540.5/18
+ sign 0.005+/-0.000 χ²/NDF: 17204569.1/35
All: 0.005+/-0.000 χ²/NDF: 32493473.4/72
- sign 0.005+/-0.000 χ²/NDF: 15284568.3/36



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.054+/-0.087 χ^2/NDF:27.6/19

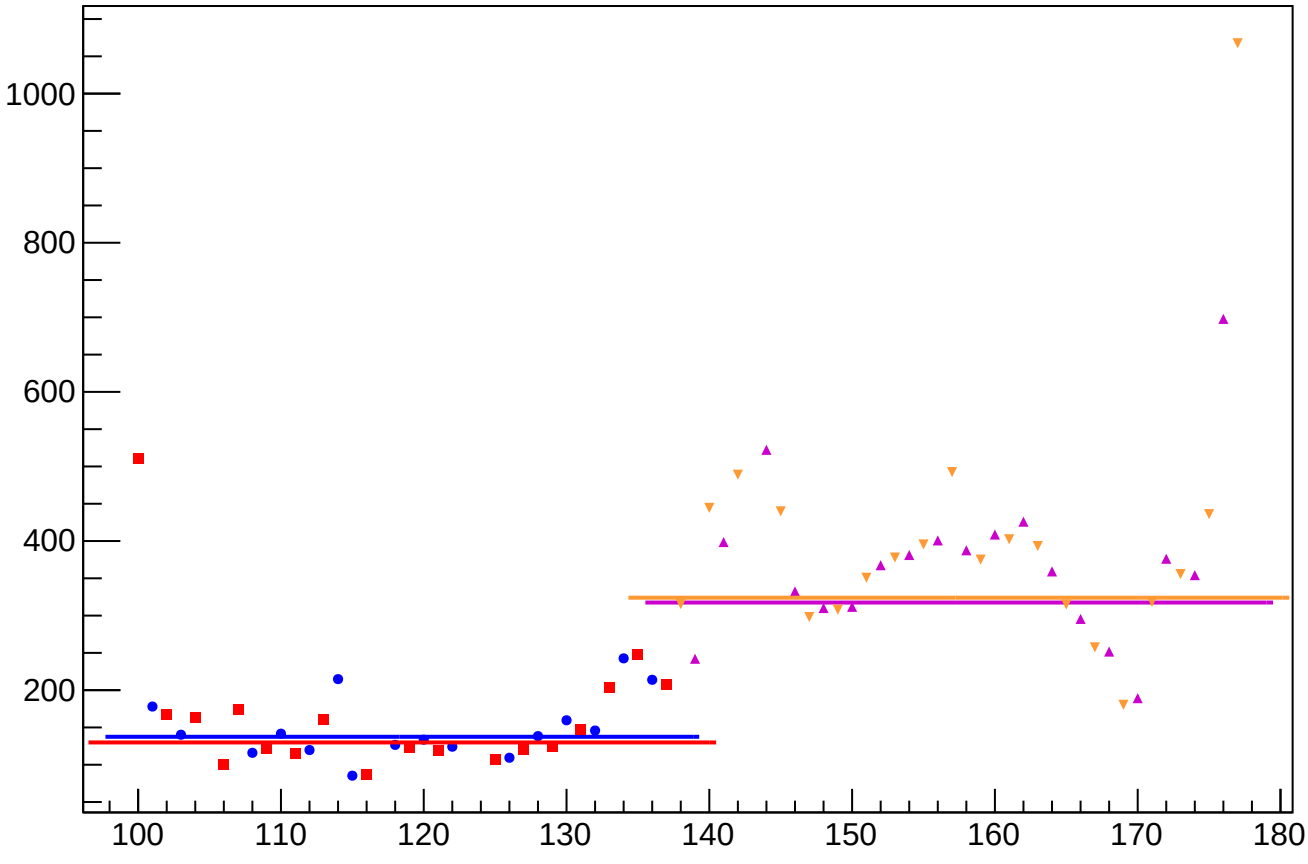
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.060+/-0.085 χ^2/NDF:25.3/18

+ sign -0.029+/-0.046 χ^2/NDF: 43.7/35

All: -0.023+/-0.032 χ^2/NDF: 96.5/72

- sign -0.018+/-0.045 χ^2/NDF: 52.8/36



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 324.015+/-0.062 χ^2/NDF:2746054.3/19

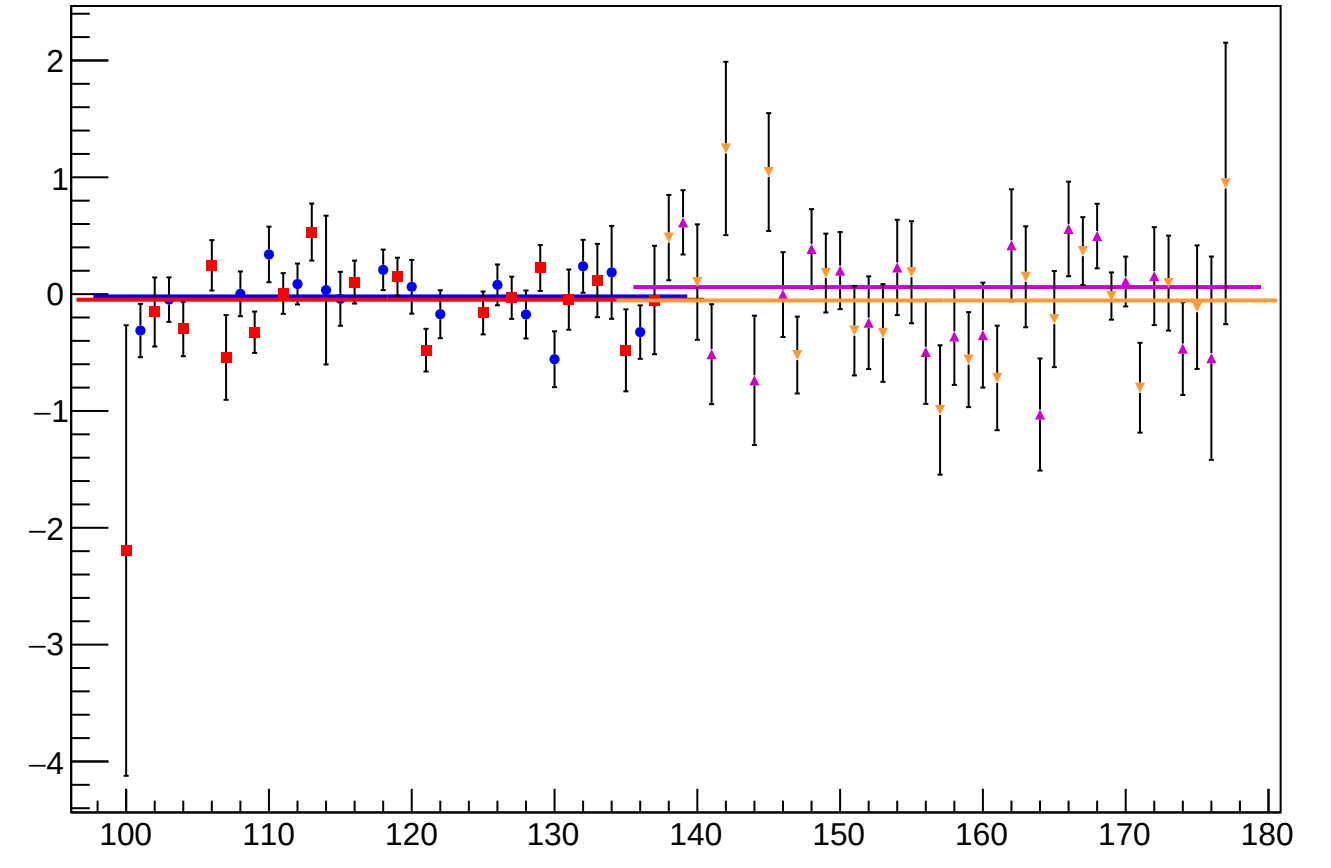
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 317.518+/-0.060 χ^2/NDF:2189444.1/18

+ sign 189.650+/-0.033 χ^2/NDF: 10060900.0/35

All: 185.604+/-0.023 χ^2/NDF: 20182984.5/72

- sign 181.795+/-0.032 χ^2/NDF: 10092059.4/36



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.054+/-0.087 χ^2/NDF:27.6/19

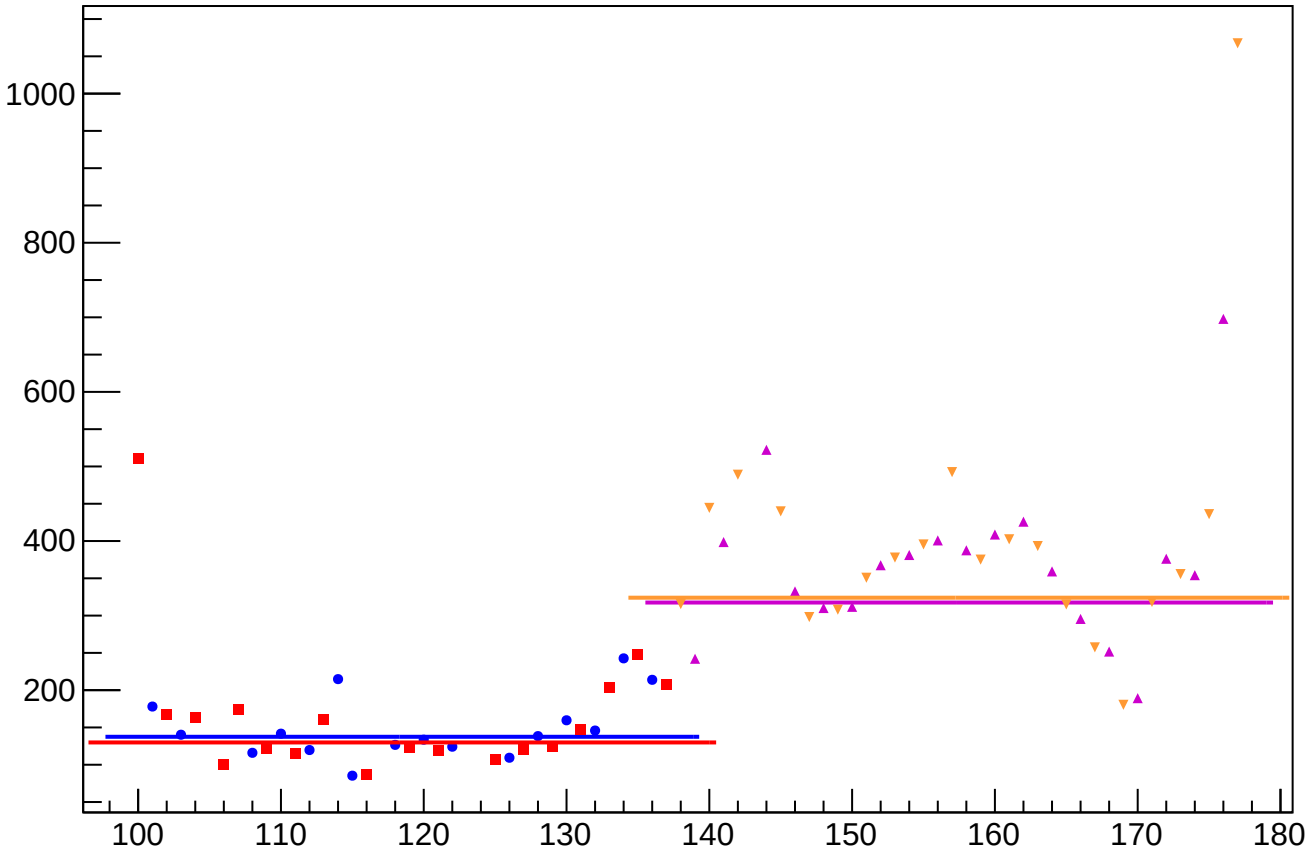
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.060+/-0.085 χ^2/NDF:25.3/18

+ sign -0.029+/-0.046 χ^2/NDF: 43.7/35

All: -0.023+/-0.032 χ^2/NDF: 96.5/72

- sign -0.018+/-0.045 χ^2/NDF: 52.8/36



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 324.015+/-0.062 χ^2/NDF:2746054.3/19

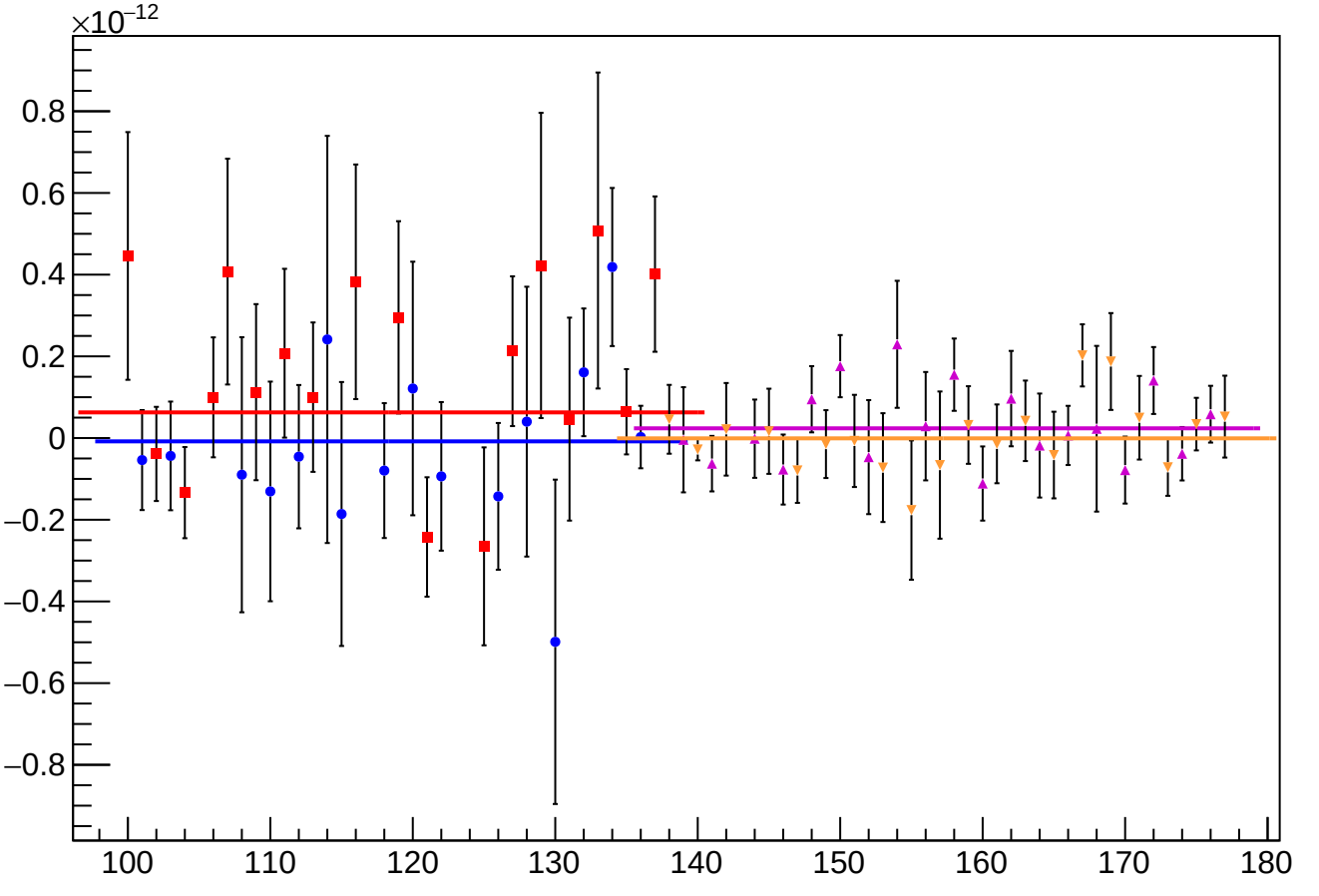
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 317.518+/-0.060 χ^2/NDF:2189444.1/18

+ sign 189.650+/-0.033 χ^2/NDF: 10060900.0/35

All: 185.604+/-0.023 χ^2/NDF: 20182984.5/72

- sign 181.795+/-0.032 χ^2/NDF: 10092059.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/19

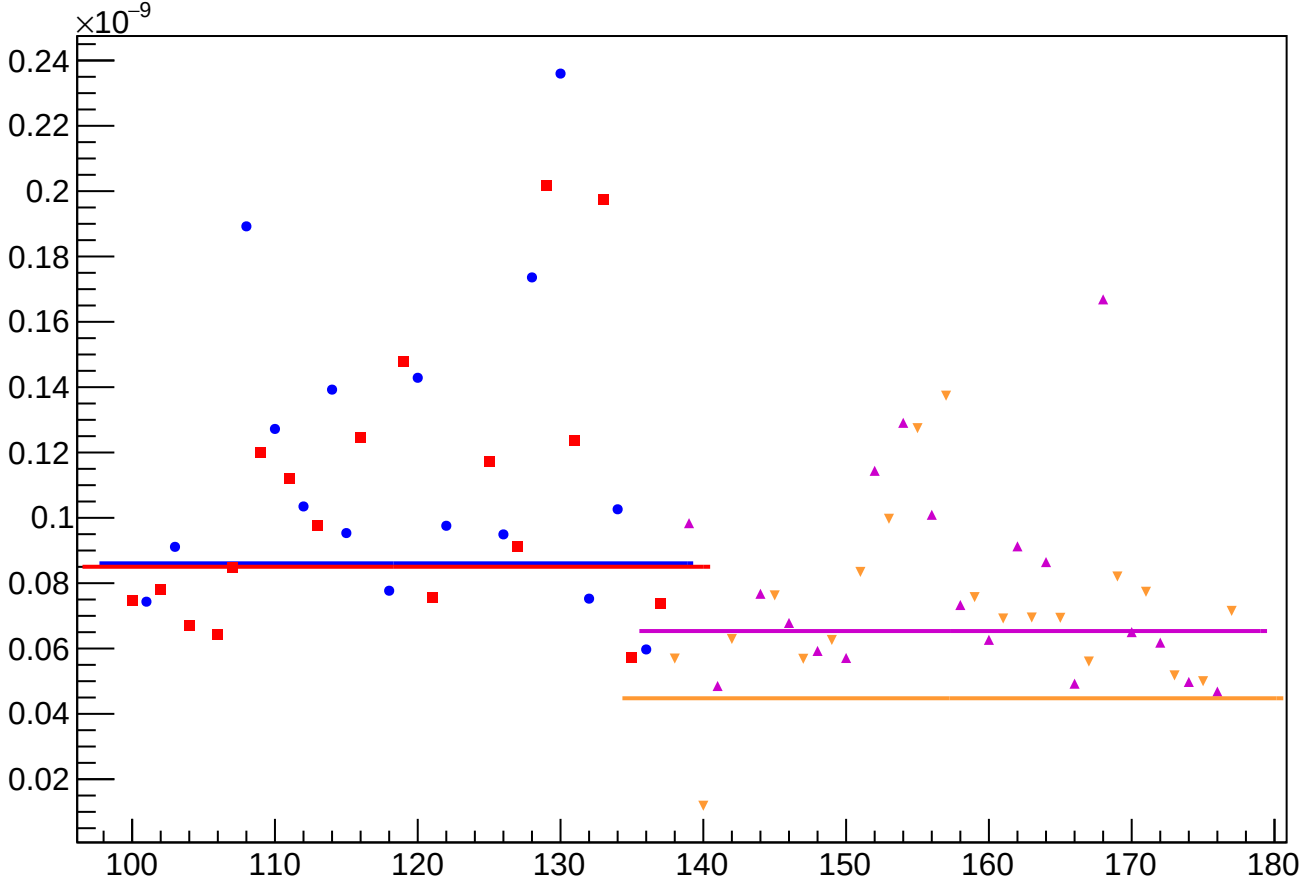
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:19.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/35

All: 0.000+/-0.000 χ^2/NDF: 70.1/72

- sign 0.000+/-0.000 χ^2/NDF: 42.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6222070.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

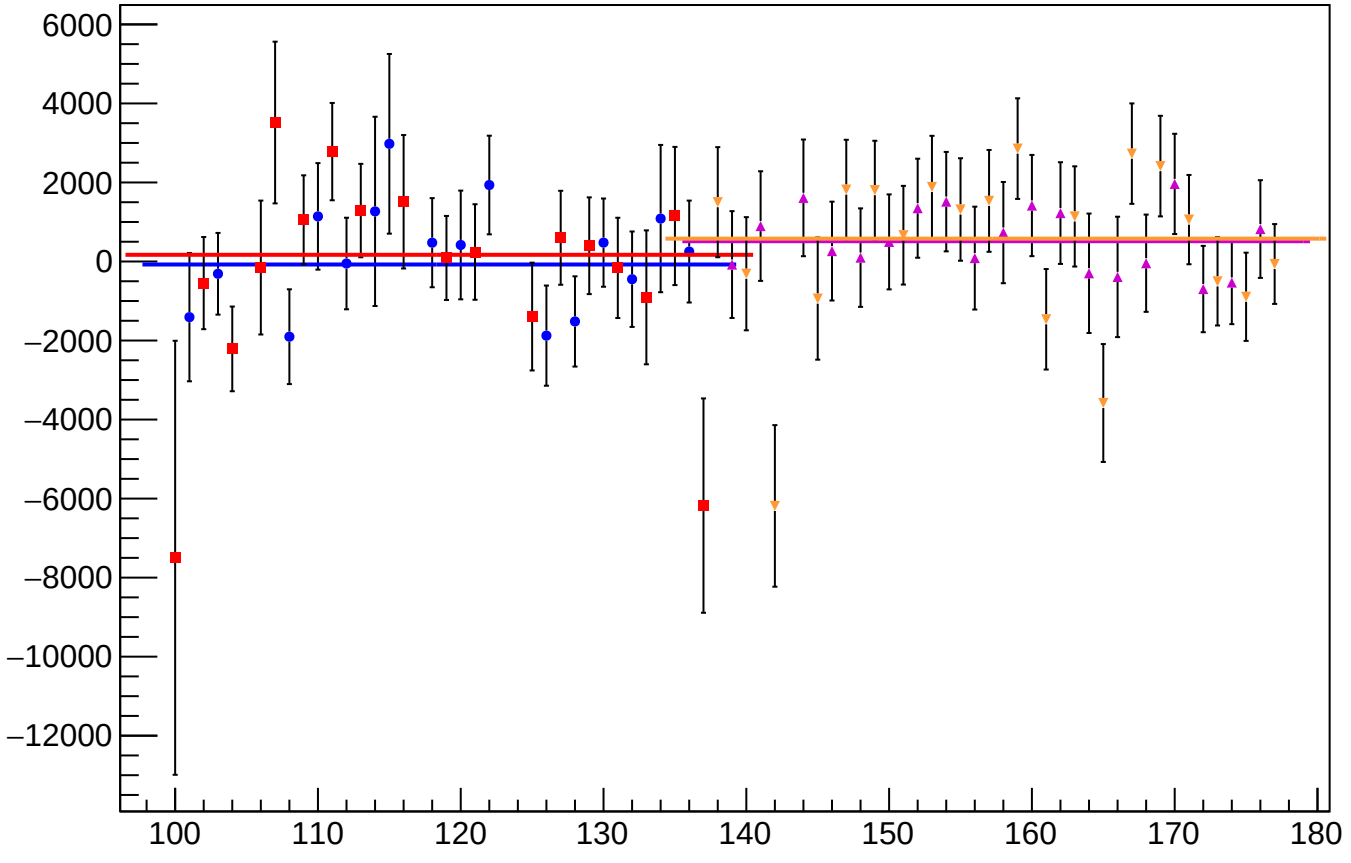
Left In: 0.000+/-0.000 χ^2/NDF:2076791.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 8927913.0/35

All: 0.000+/-0.000 χ^2/NDF: 13548162.5/72

- sign 0.000+/-0.000 χ^2/NDF: 3416804.1/36

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 578.351+/-285.407 χ^2/NDF:38.5/19

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

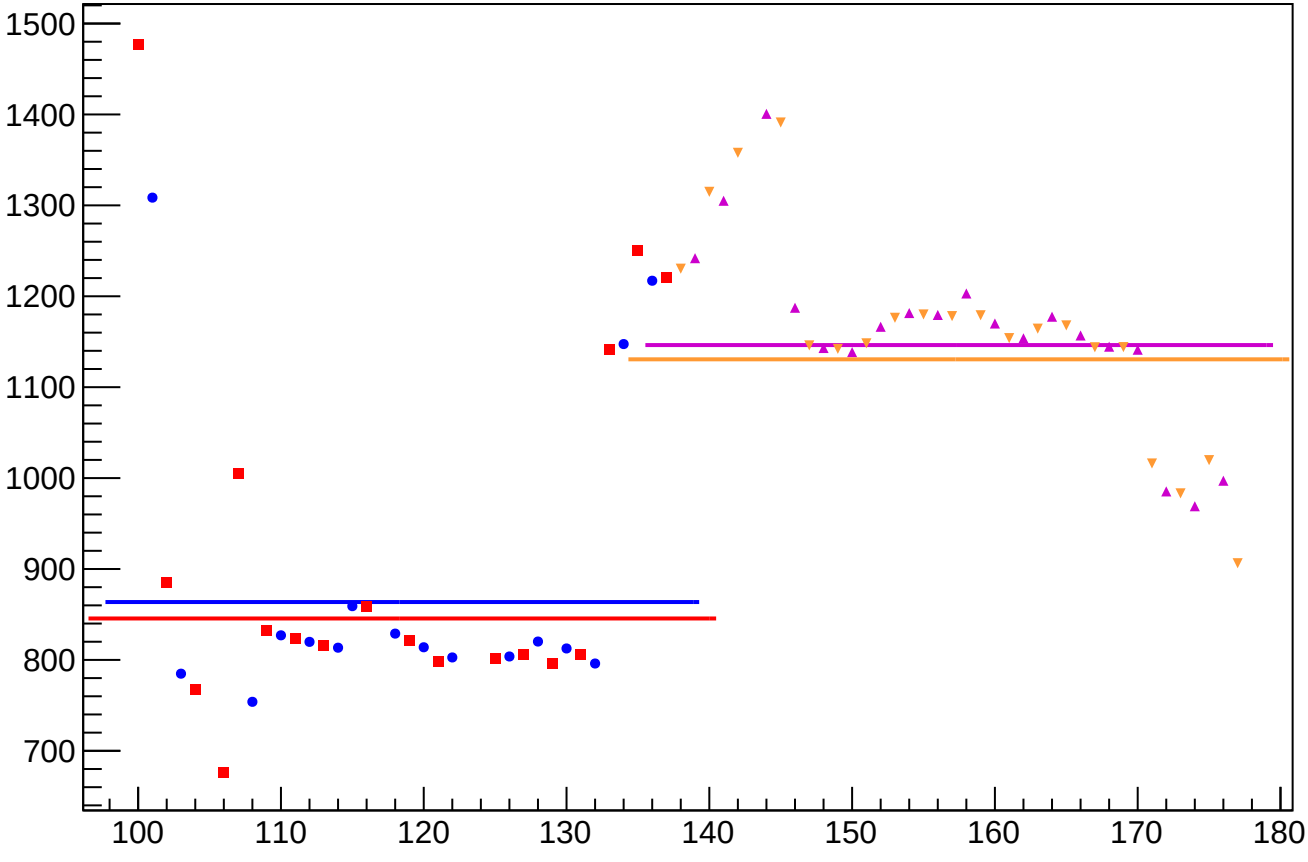
Left In: 513.119+/-292.013 χ^2/NDF:7.4/18

+ sign 294.677+/-214.804 χ^2/NDF: 54.1/35

All: 326.070+/-152.401 χ^2/NDF: 86.6/72

- sign 357.890+/-216.258 χ^2/NDF: 32.4/36

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1130.644+/-0.202 χ^2/NDF:314260.6/19

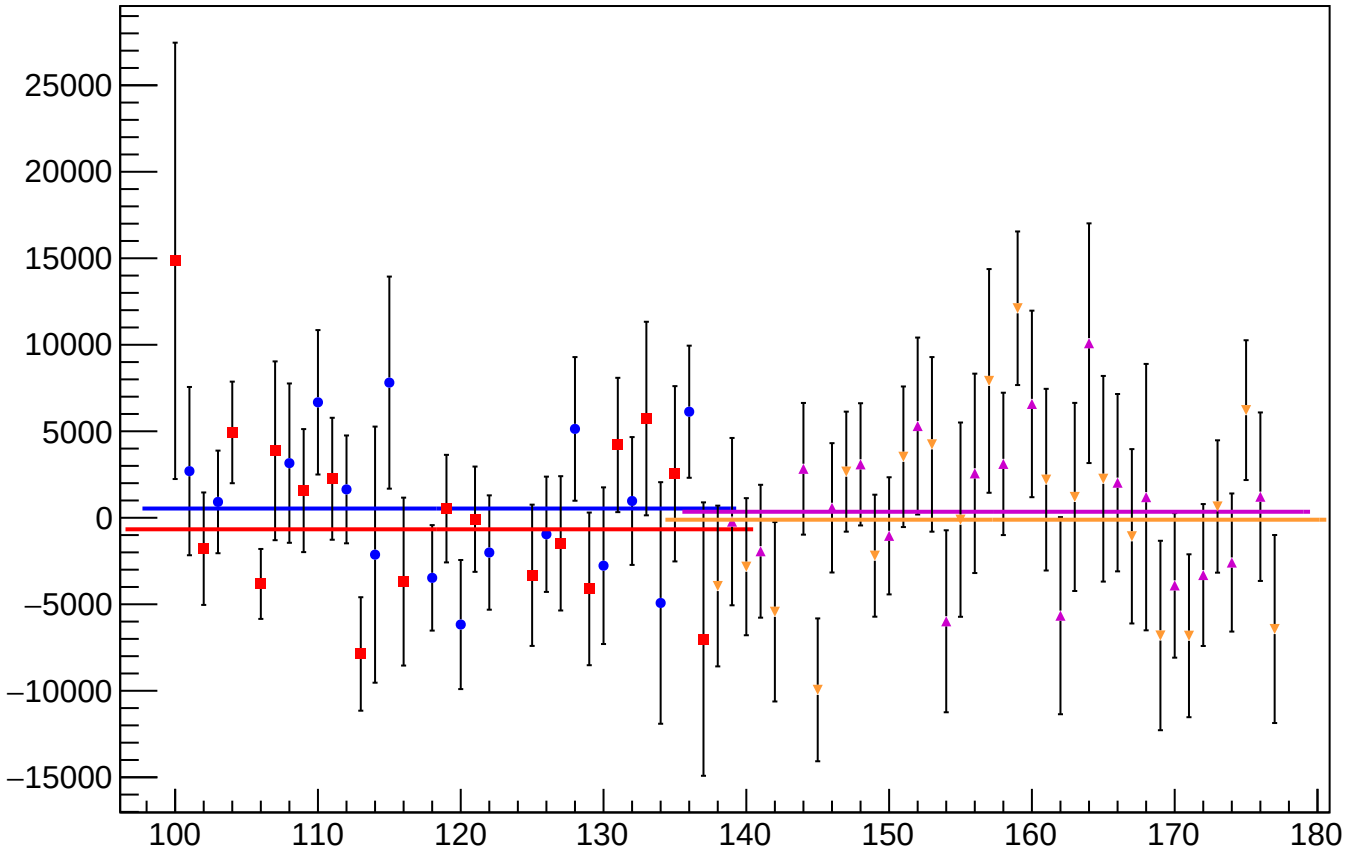
Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

+ sign 1014.892+/-0.152 χ^2/NDF: 1480538.6/35

All: 1011.787+/-0.107 χ^2/NDF: 2996285.8/72

- sign 1008.674+/-0.152 χ^2/NDF: 1514910.3/36



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -111.895+/-1023.082 χ^2/NDF:27.4/19

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

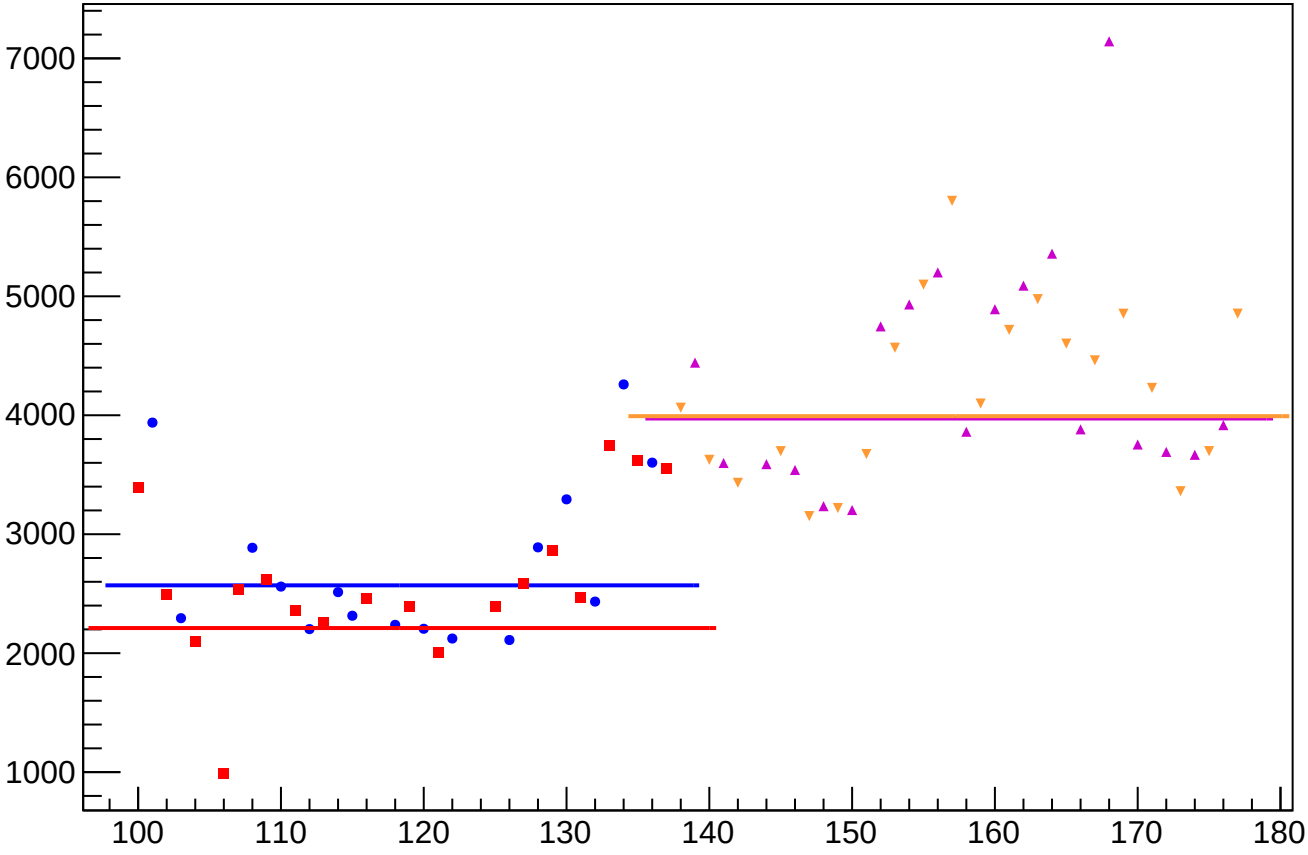
Left In: 347.505+/-1028.812 χ^2/NDF:11.5/18

+ sign 224.778+/-708.191 χ^2/NDF: 42.2/35

All: -26.551+/-483.637 χ^2/NDF: 74.5/72

- sign -246.209+/-662.068 χ^2/NDF: 32.0/36

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3992.171+/-0.723 χ^2/NDF:849963.2/19

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

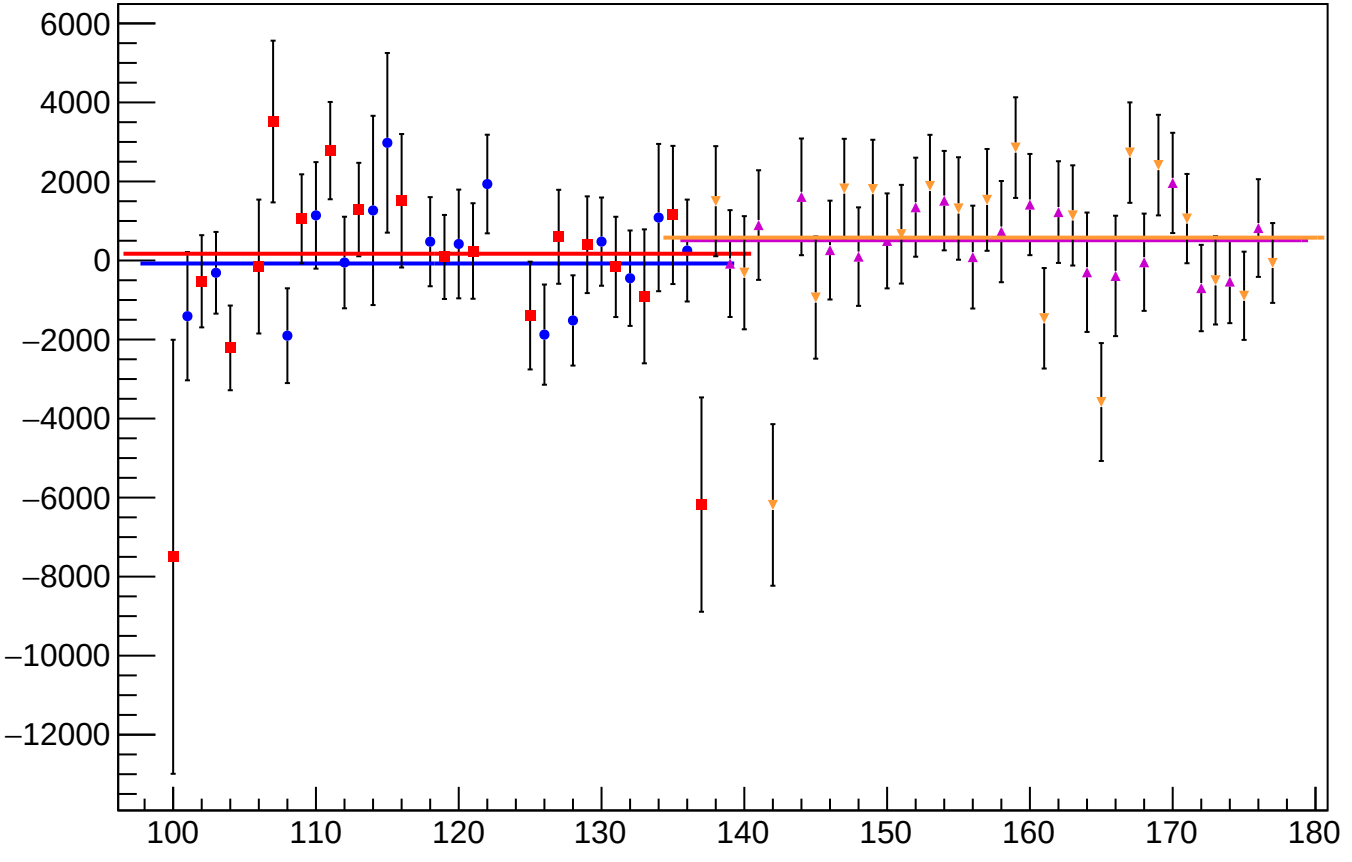
Left In: 3972.703+/-0.727 χ^2/NDF:1061443.4/18

+ sign 3251.516+/-0.501 χ^2/NDF: 3524939.9/35

All: 3085.672+/-0.342 χ^2/NDF: 9490751.7/72

- sign 2940.726+/-0.468 χ^2/NDF: 5760271.9/36

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 578.396+/-285.407 χ^2/NDF:38.5/19

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

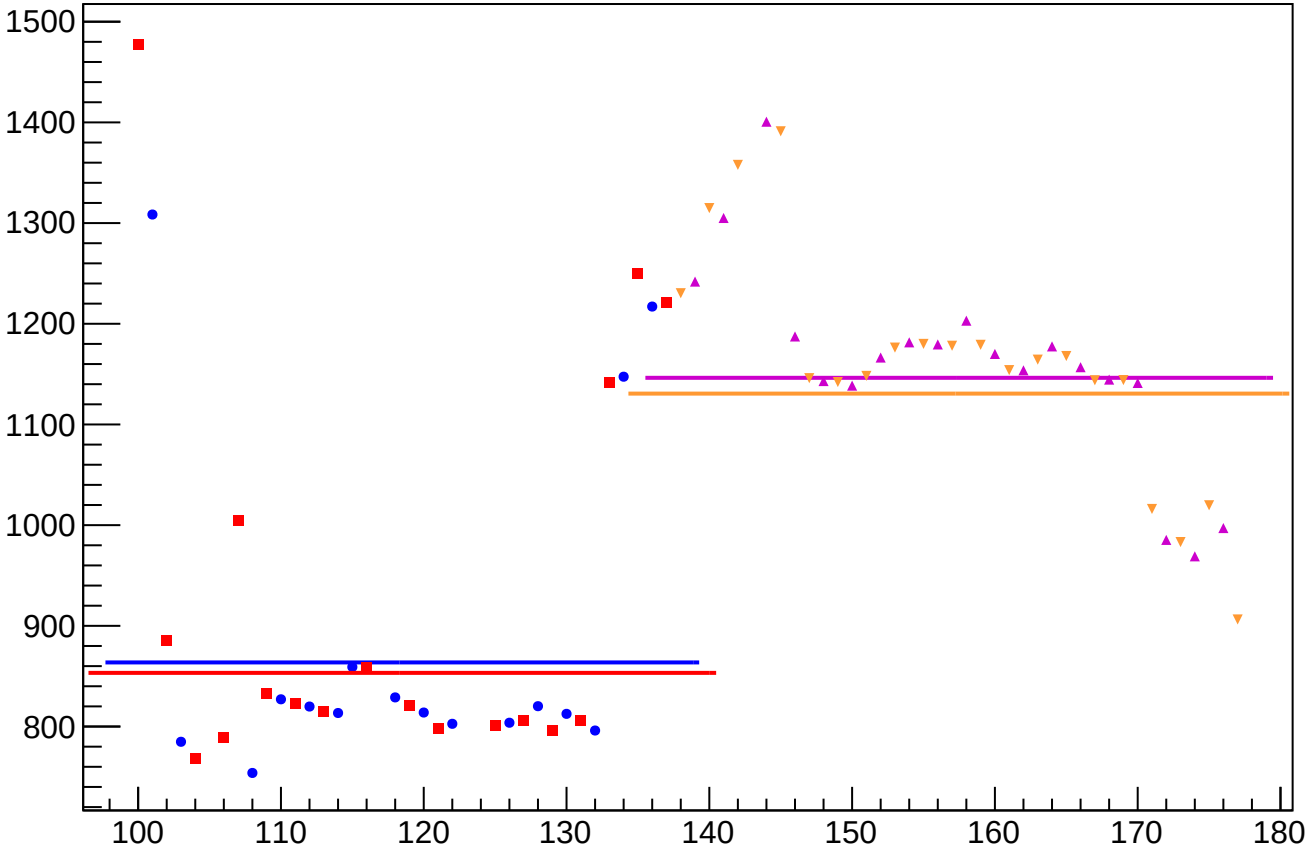
Left In: 513.105+/-292.013 χ^2/NDF:7.4/18

+ sign 294.668+/-214.804 χ^2/NDF: 54.2/35

All: 326.430+/-152.401 χ^2/NDF: 86.6/72

- sign 358.624+/-216.260 χ^2/NDF: 32.4/36

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1130.645+/-0.202 χ^2/NDF:314260.6/19

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

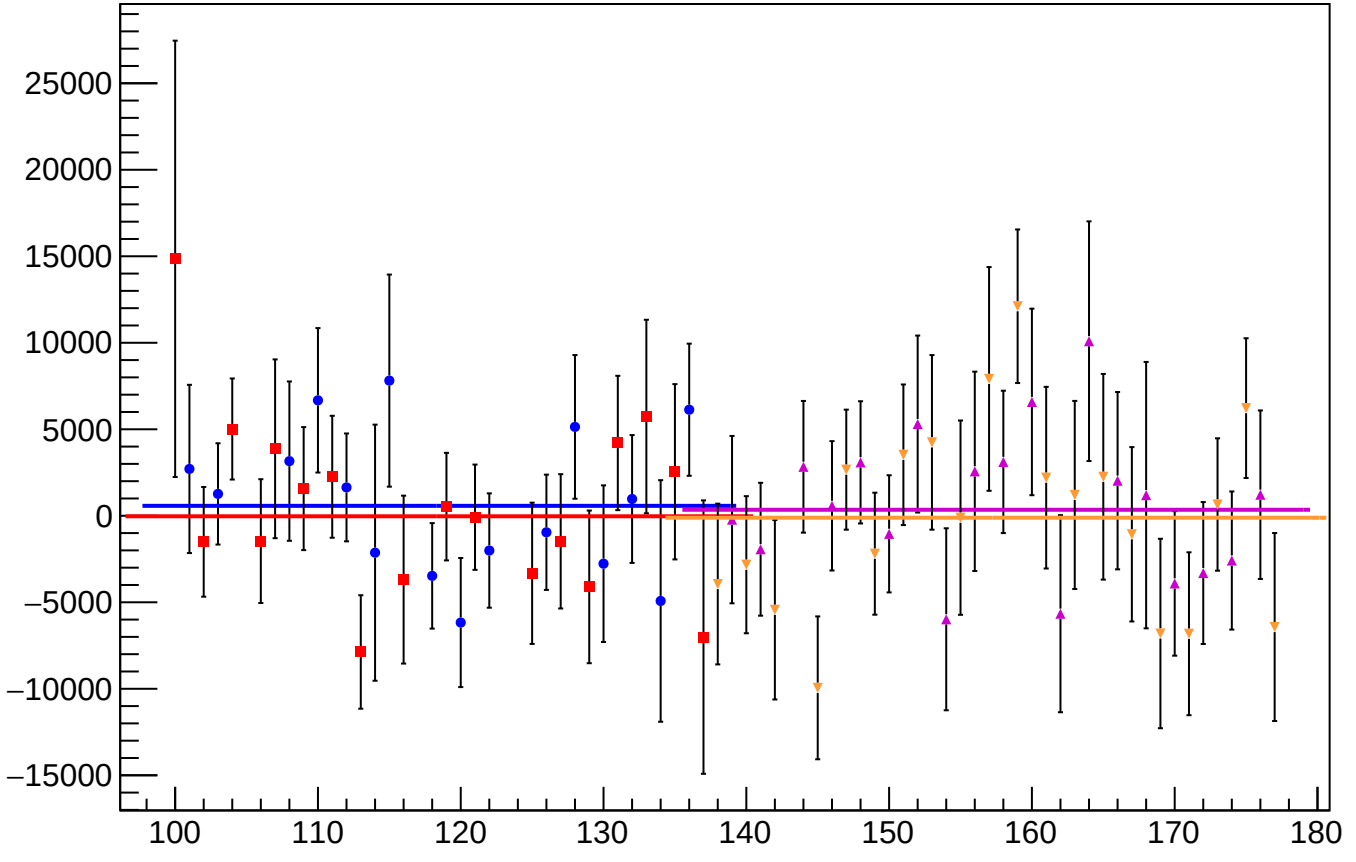
Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

+ sign 1014.892+/-0.152 χ^2/NDF: 1480538.7/35

All: 1014.080+/-0.108 χ^2/NDF: 2906668.5/72

- sign 1013.261+/-0.153 χ^2/NDF: 1426072.4/36

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -111.883+/-1023.082 χ^2/NDF:27.4/19

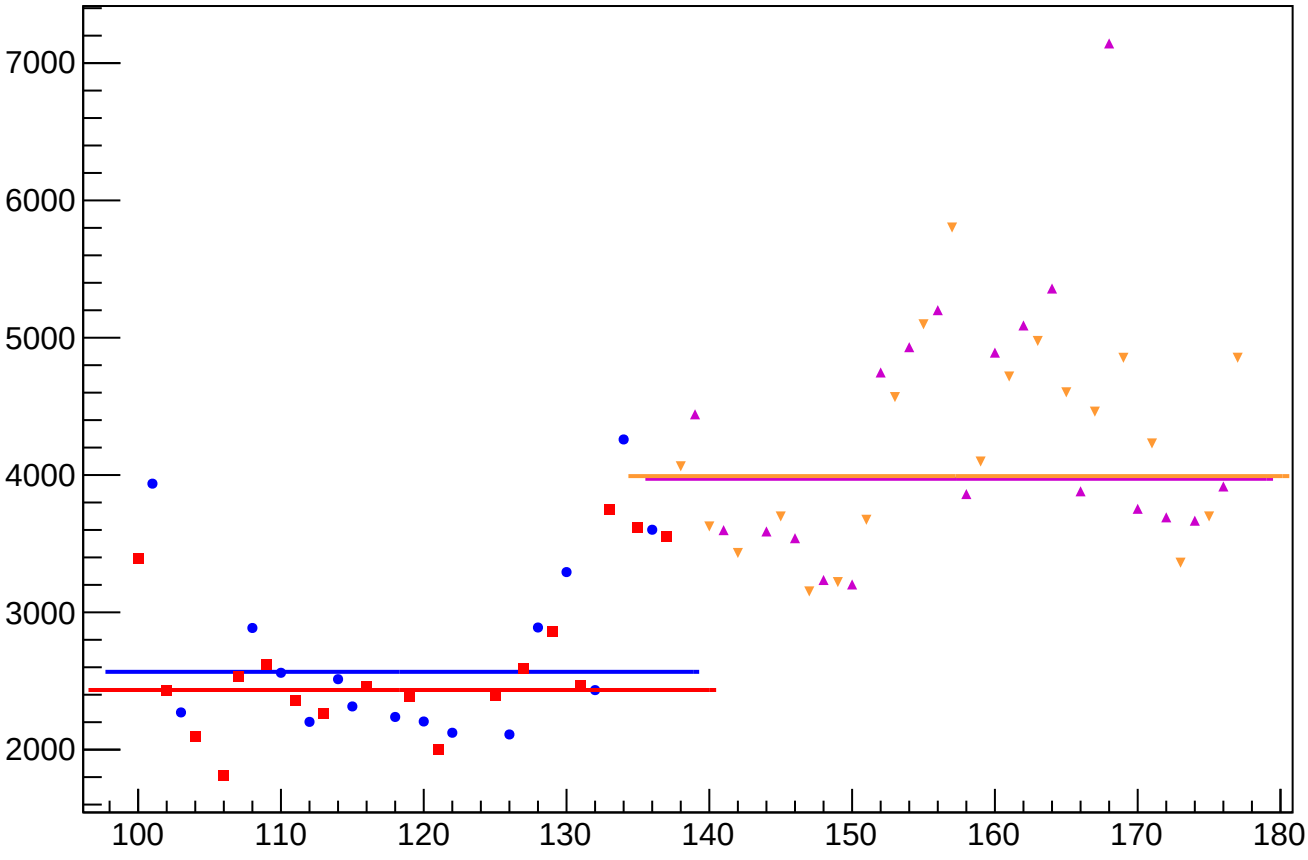
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 347.559+/-1028.811 χ^2/NDF:11.5/18

+ sign 246.357+/-707.651 χ^2/NDF: 42.3/35

All: 191.046+/-492.799 χ^2/NDF: 71.1/72

- sign 138.966+/-686.667 χ^2/NDF: 28.8/36



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3992.172+/-0.723 χ^2/NDF:849959.3/19

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

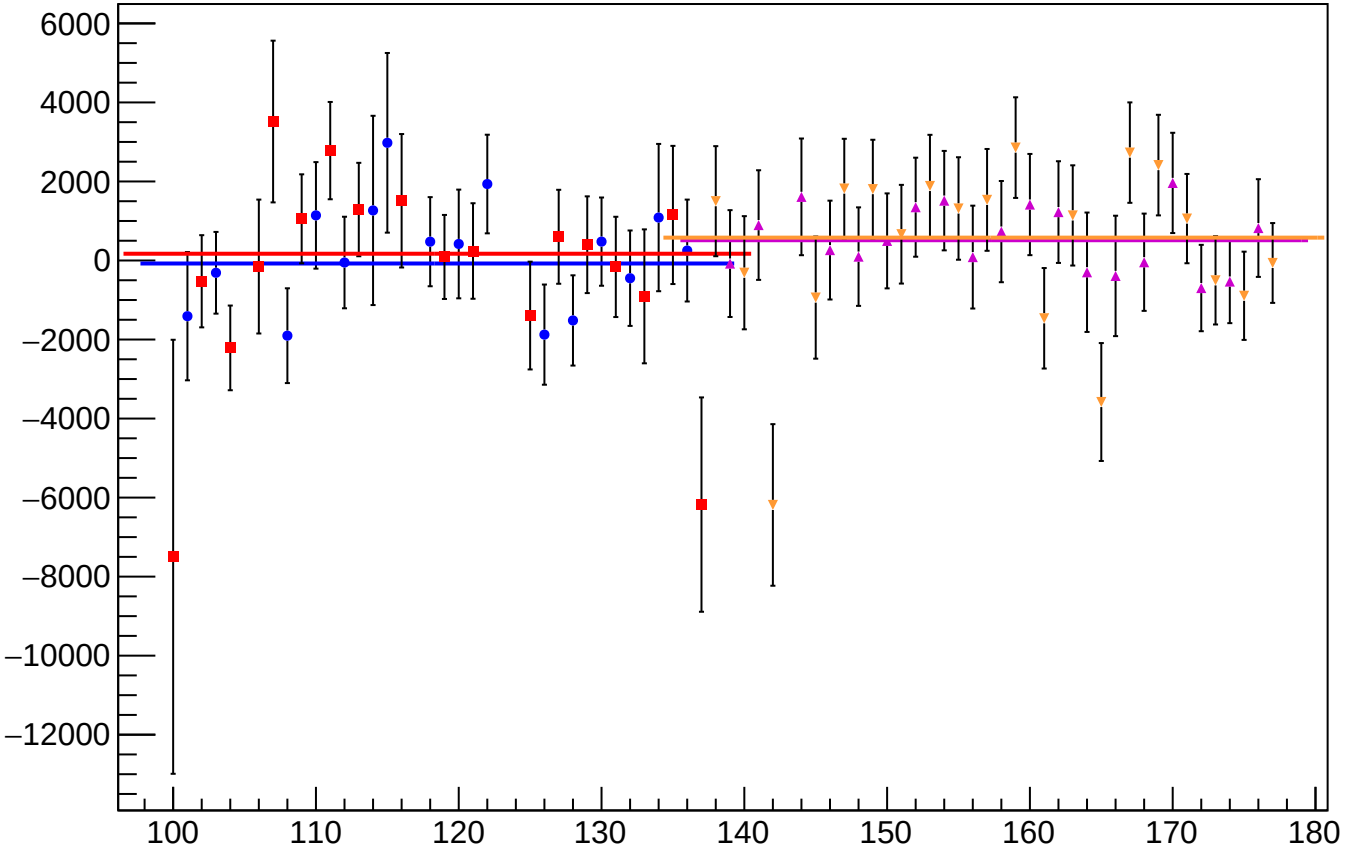
Left In: 3972.698+/-0.727 χ^2/NDF:1061446.6/18

+ sign 3248.704+/-0.500 χ^2/NDF: 3540810.1/35

All: 3182.254+/-0.348 χ^2/NDF: 7549968.8/72

- sign 3119.687+/-0.486 χ^2/NDF: 3974919.0/36

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 578.396+/-285.407 χ^2/NDF:38.5/19

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

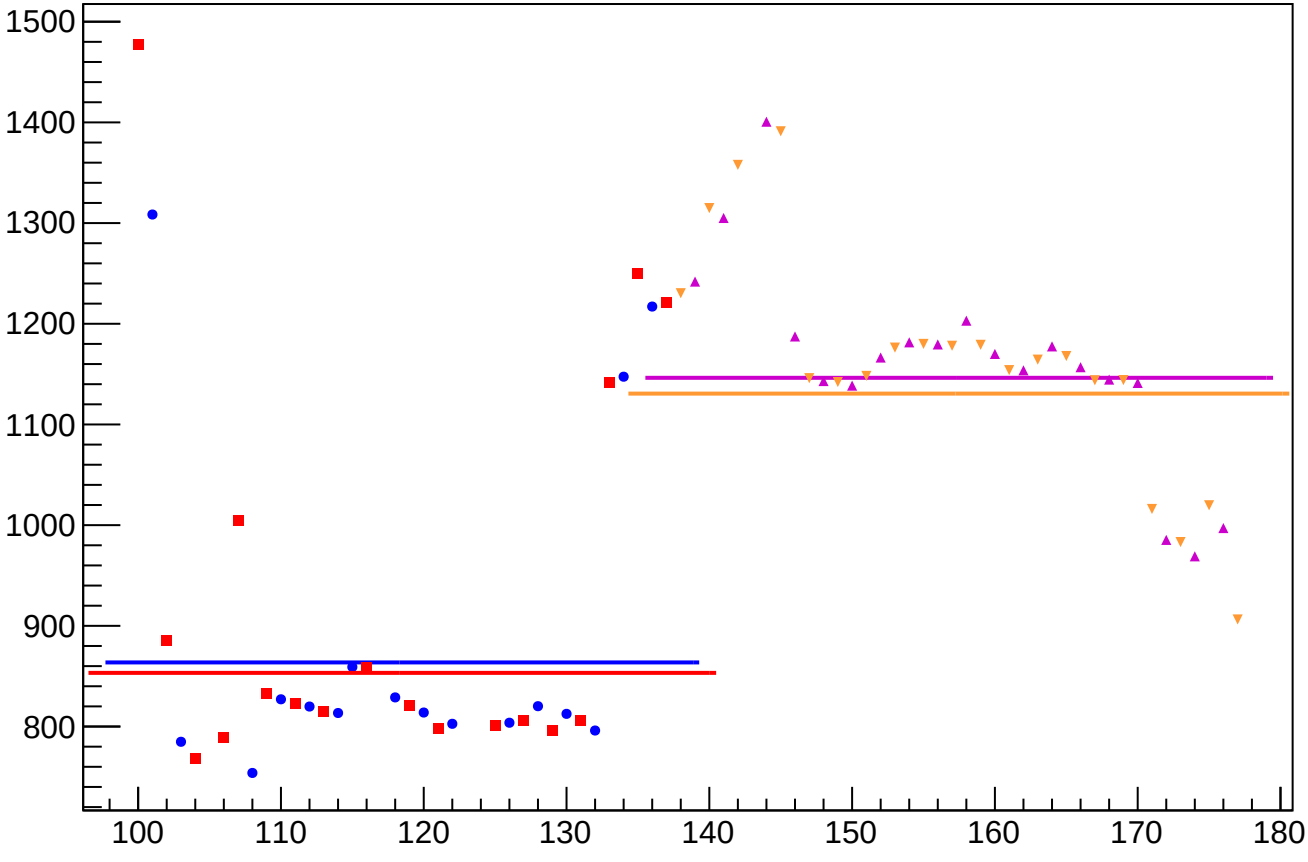
Left In: 513.105+/-292.013 χ^2/NDF:7.4/18

+ sign 294.668+/-214.804 χ^2/NDF: 54.2/35

All: 326.430+/-152.401 χ^2/NDF: 86.6/72

- sign 358.624+/-216.260 χ^2/NDF: 32.4/36

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1130.645+/-0.202 χ^2/NDF:314260.6/19

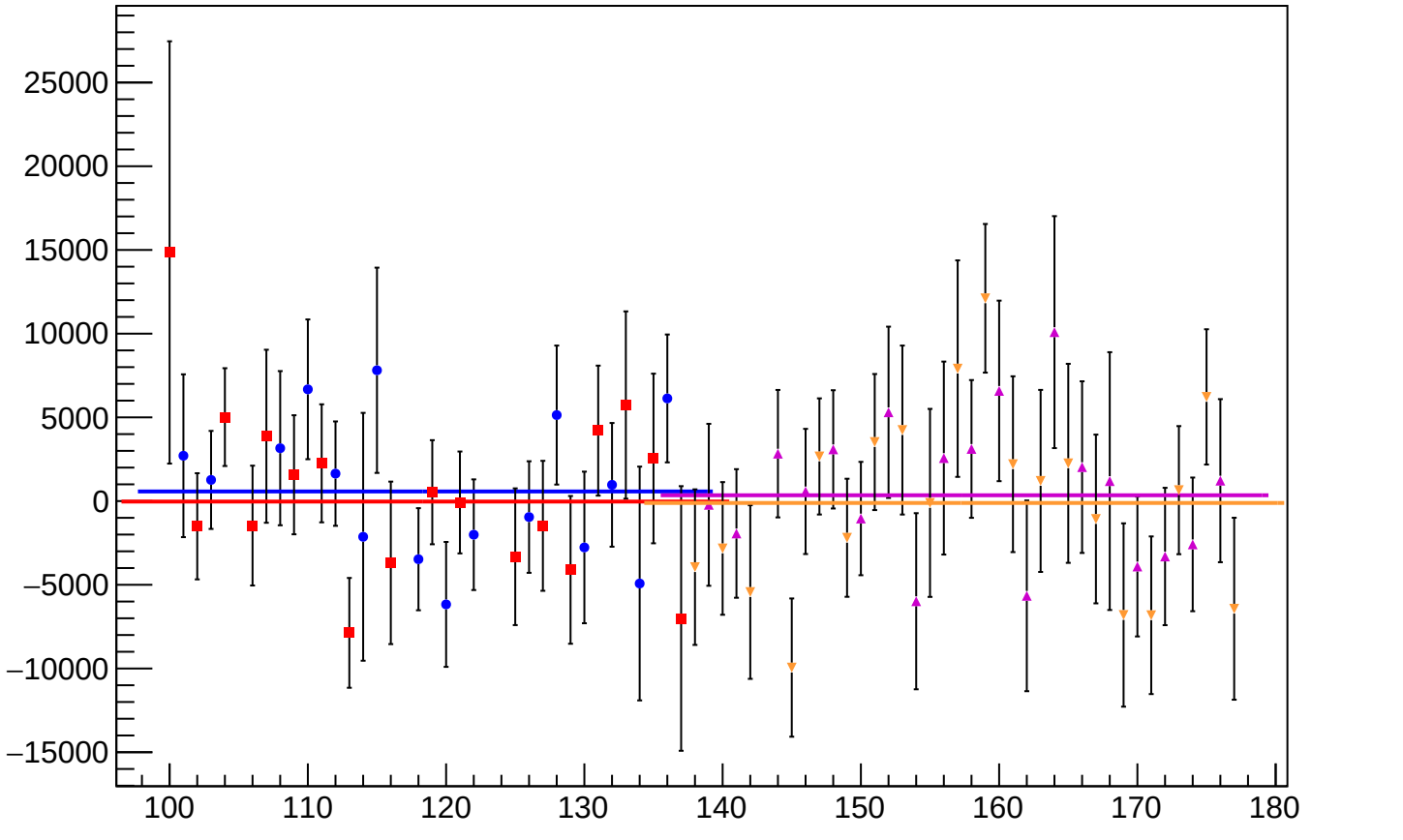
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

+ sign 1014.892+/-0.152 χ^2/NDF: 1480538.7/35

All: 1014.080+/-0.108 χ^2/NDF: 2906668.5/72

- sign 1013.261+/-0.153 χ^2/NDF: 1426072.4/36



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -111.883+/-1023.082 χ^2/NDF:27.4/19

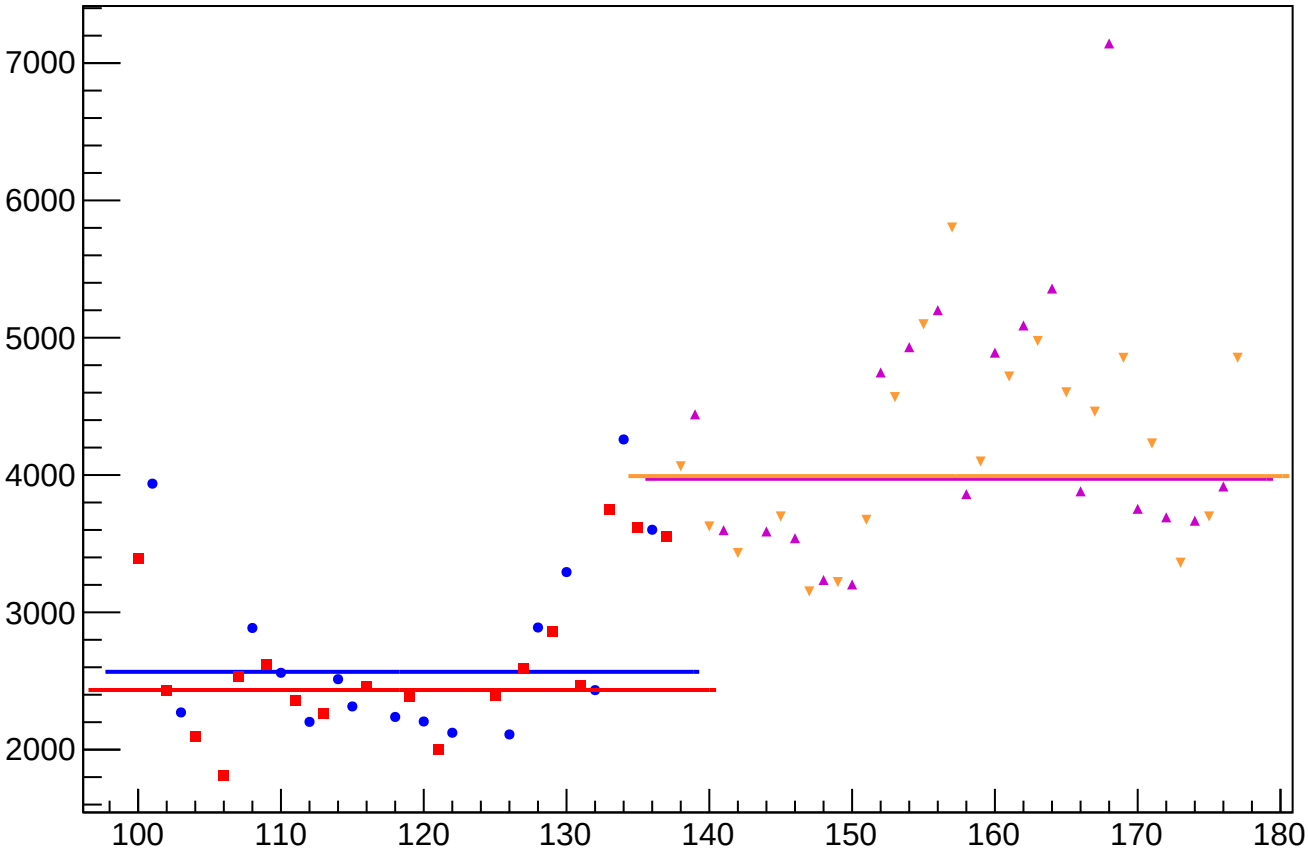
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 347.559+/-1028.811 χ^2/NDF:11.5/18

+ sign 246.357+/-707.651 χ^2/NDF: 42.3/35

All: 191.046+/-492.799 χ^2/NDF: 71.1/72

- sign 138.966+/-686.667 χ^2/NDF: 28.8/36



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3992.172+/-0.723 χ^2/NDF:849959.3/19

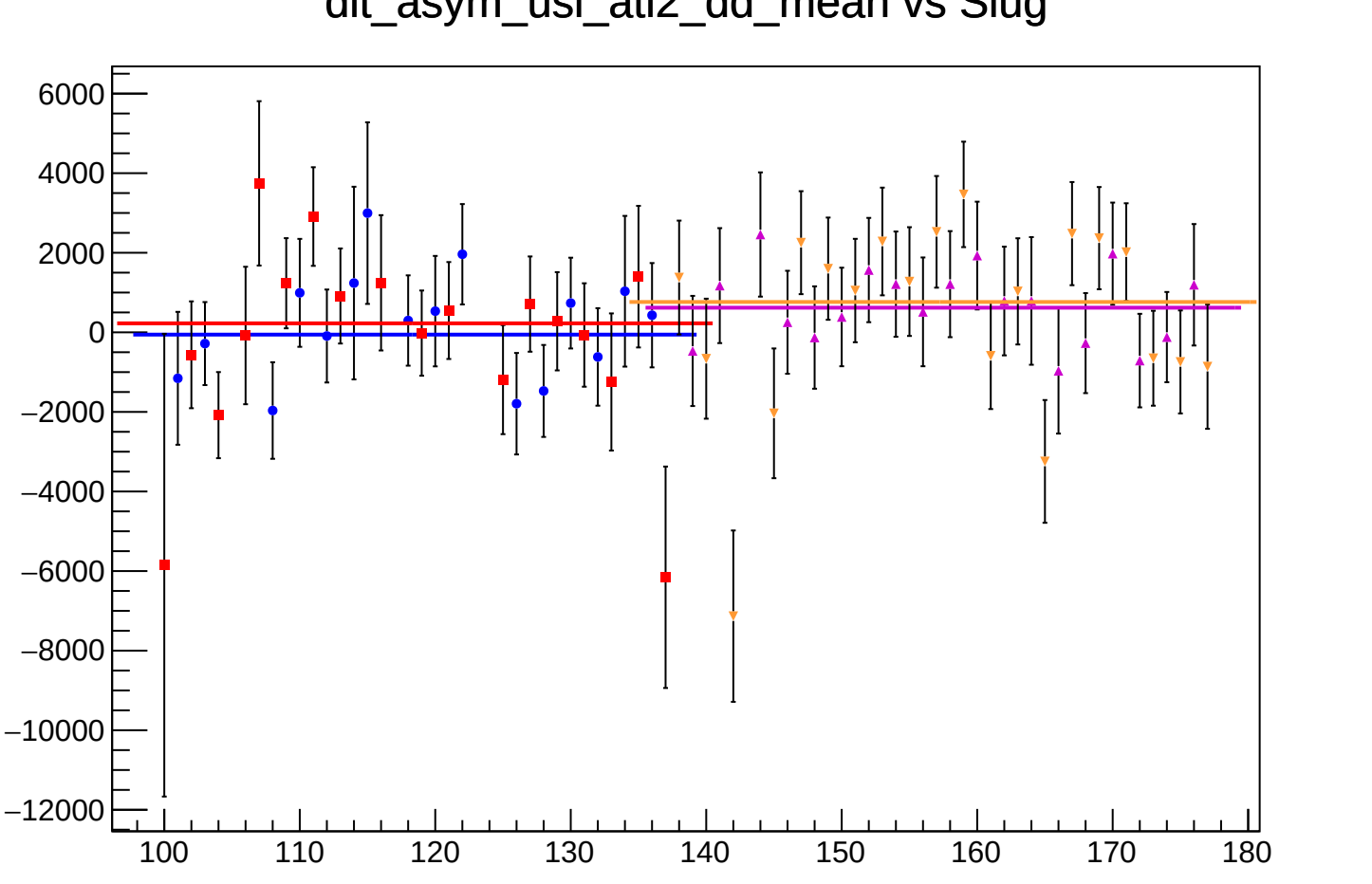
Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3972.698+/-0.727 χ^2/NDF:1061446.6/18

+ sign 3248.704+/-0.500 χ^2/NDF: 3540810.1/35

All: 3182.254+/-0.348 χ^2/NDF: 7549968.8/72

- sign 3119.687+/-0.486 χ^2/NDF: 3974919.0/36



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 762.994+/-307.344 χ^2/NDF:42.4/19

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

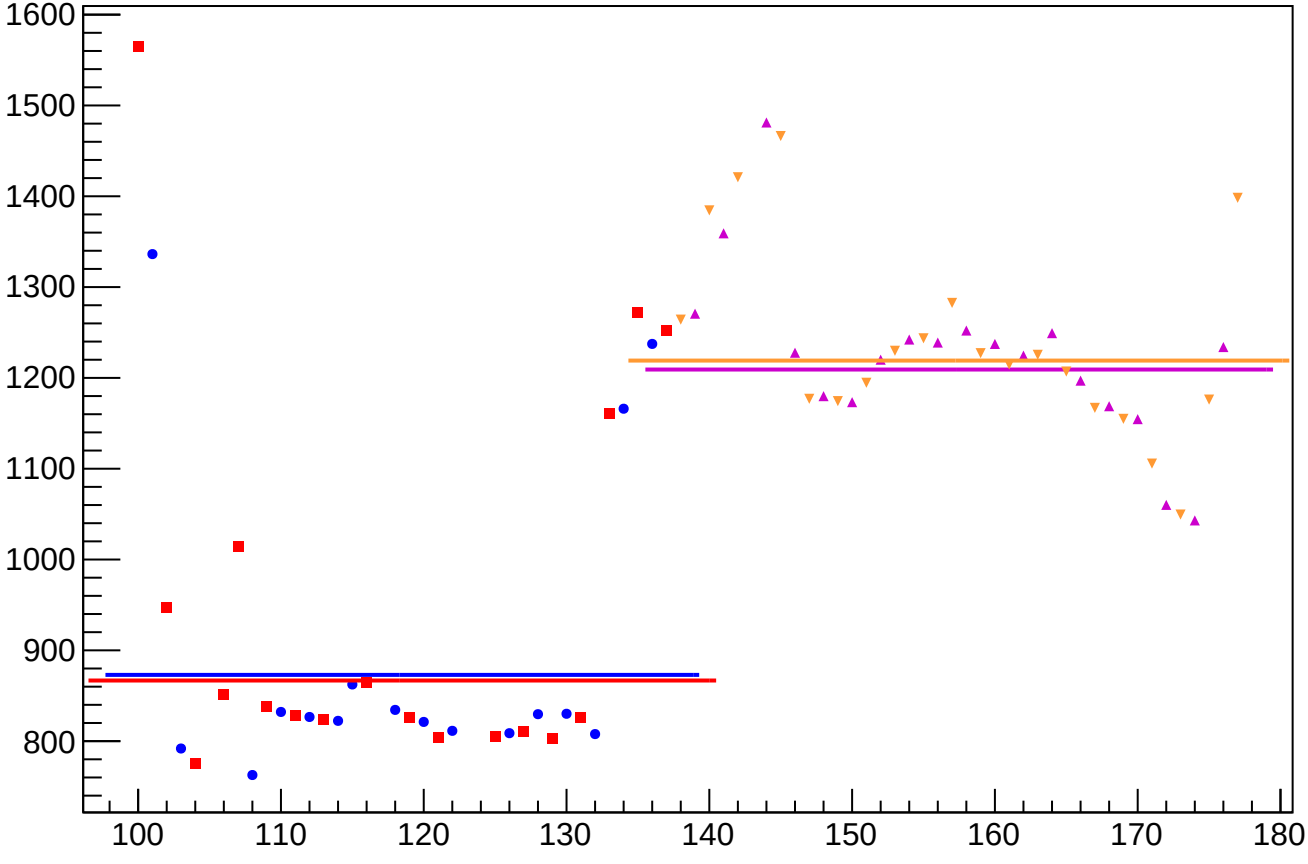
Left In: 619.043+/-307.757 χ^2/NDF:9.0/18

+ sign 382.121+/-224.936 χ^2/NDF: 58.7/35

All: 408.667+/-158.883 χ^2/NDF: 91.4/72

- sign 435.099+/-224.455 χ^2/NDF: 32.7/36

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1219.080+/-0.217 χ^2/NDF:194157.9/19

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

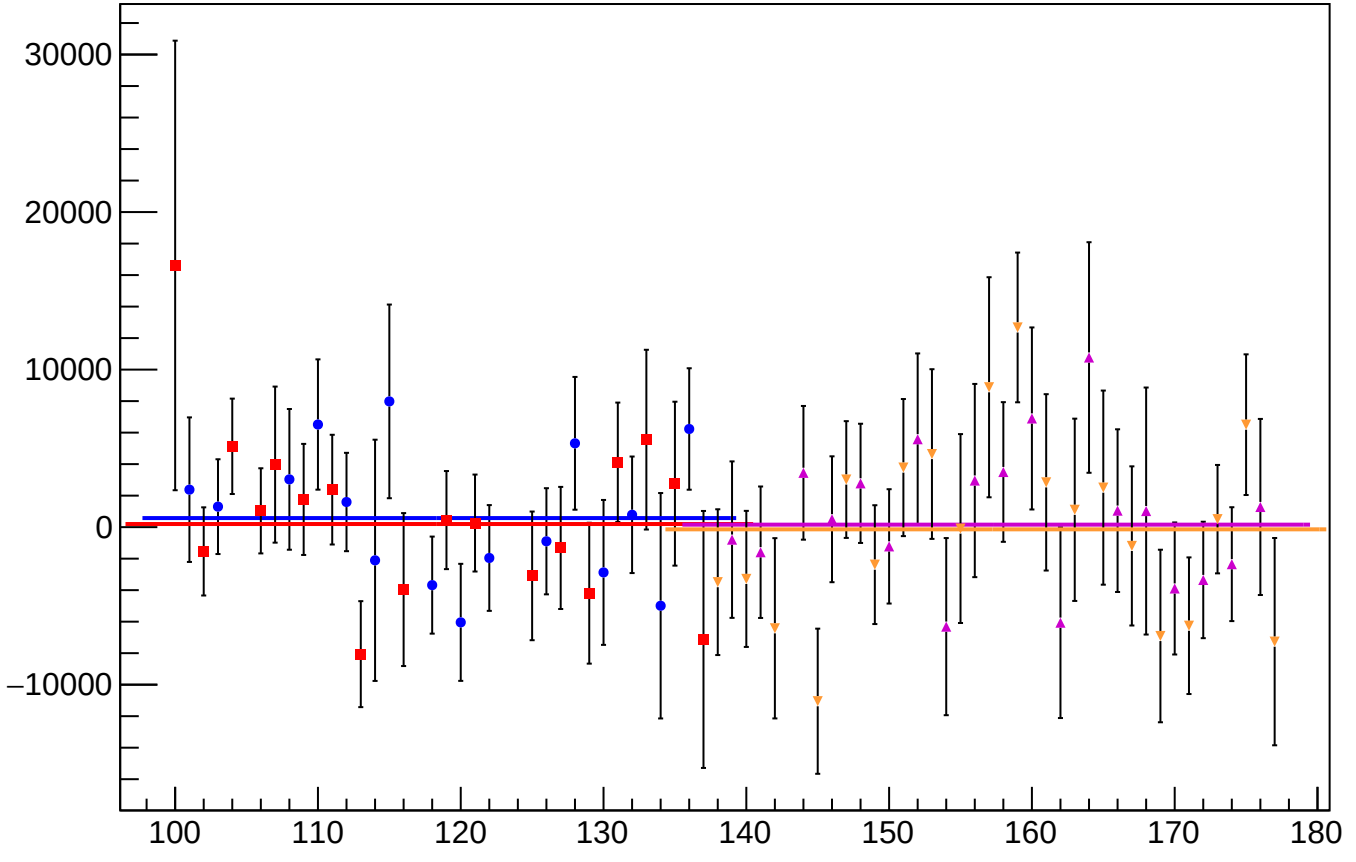
Left In: 1209.213+/-0.218 χ^2/NDF:177493.8/18

+ sign 1058.359+/-0.159 χ^2/NDF: 1789036.1/35

All: 1053.543+/-0.112 χ^2/NDF: 3419042.7/72

- sign 1048.752+/-0.159 χ^2/NDF: 1628177.6/36

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -139.703+/-1070.544 χ^2/NDF:27.0/19

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

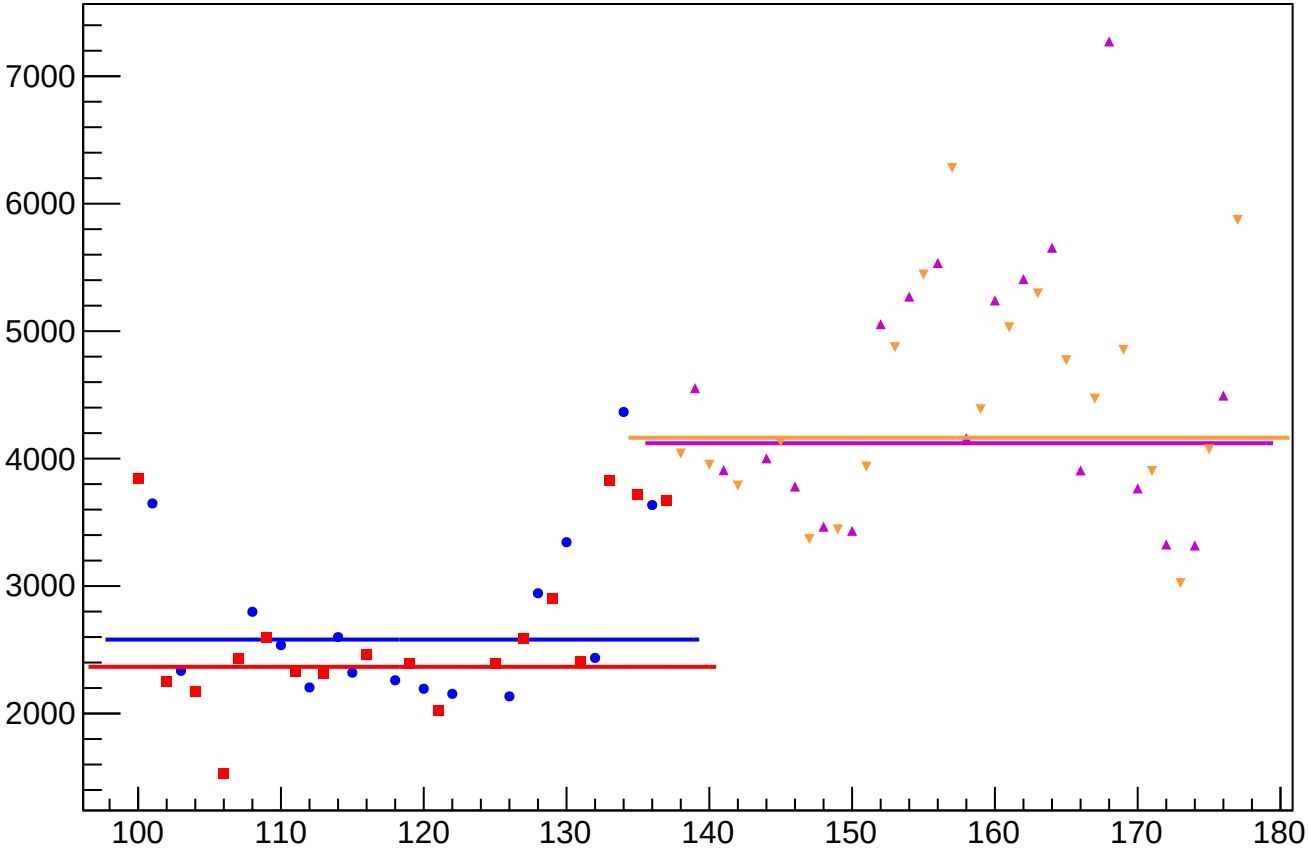
Left In: 157.991+/-1070.143 χ^2/NDF:11.5/18

+ sign 247.527+/-724.814 χ^2/NDF: 41.9/35

All: 212.719+/-498.288 χ^2/NDF: 70.6/72

- sign 181.525+/-686.146 χ^2/NDF: 28.6/36

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4163.674+/-0.757 χ^2/NDF:1044808.0/19

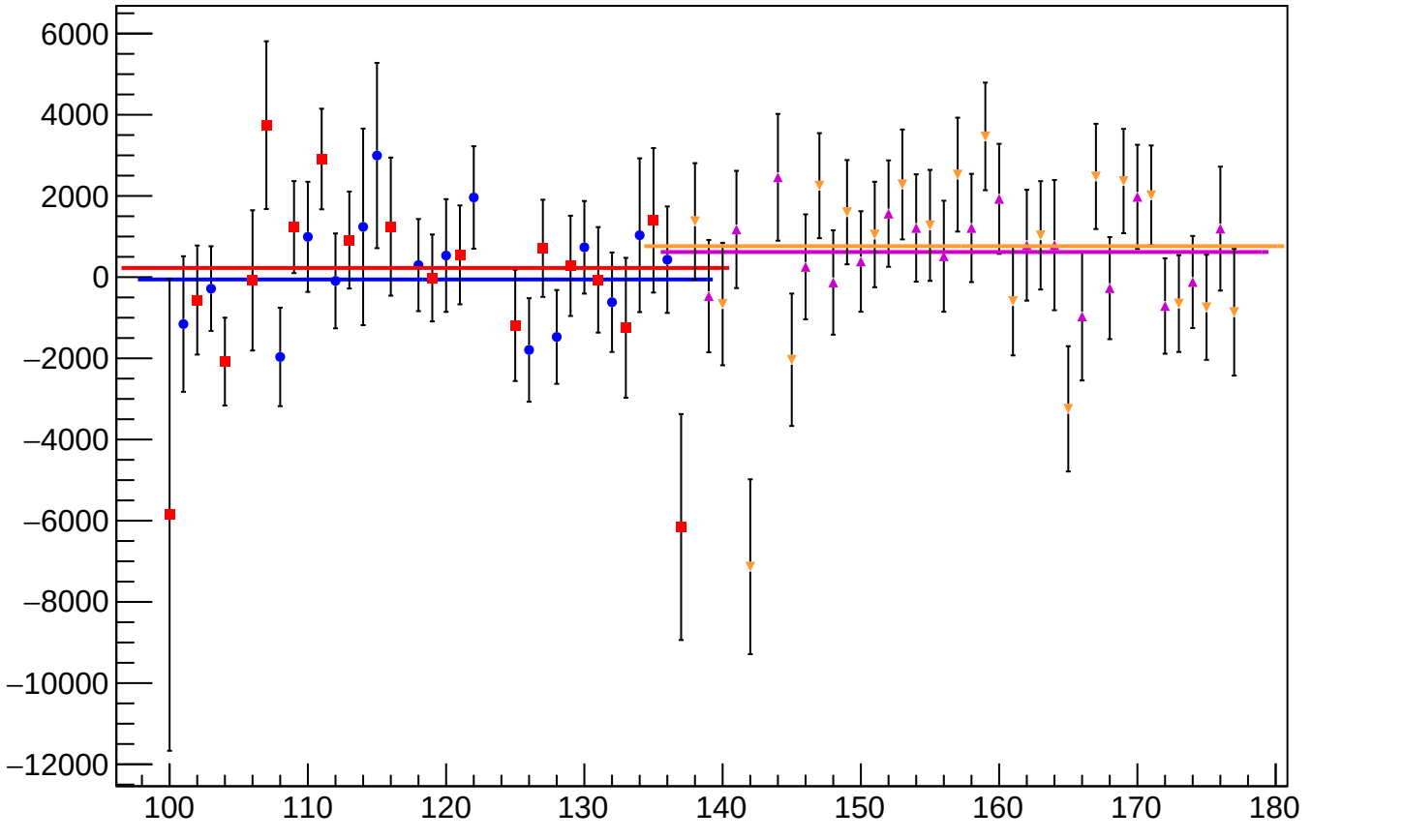
Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4120.851+/-0.757 χ^2/NDF:1211635.2/18

+ sign 3306.160+/-0.513 χ^2/NDF: 4031293.4/35

All: 3190.929+/-0.352 χ^2/NDF: 9116120.6/72

- sign 3087.665+/-0.485 χ^2/NDF: 4988978.2/36



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 762.995+/-307.344 χ^2/NDF:42.4/19

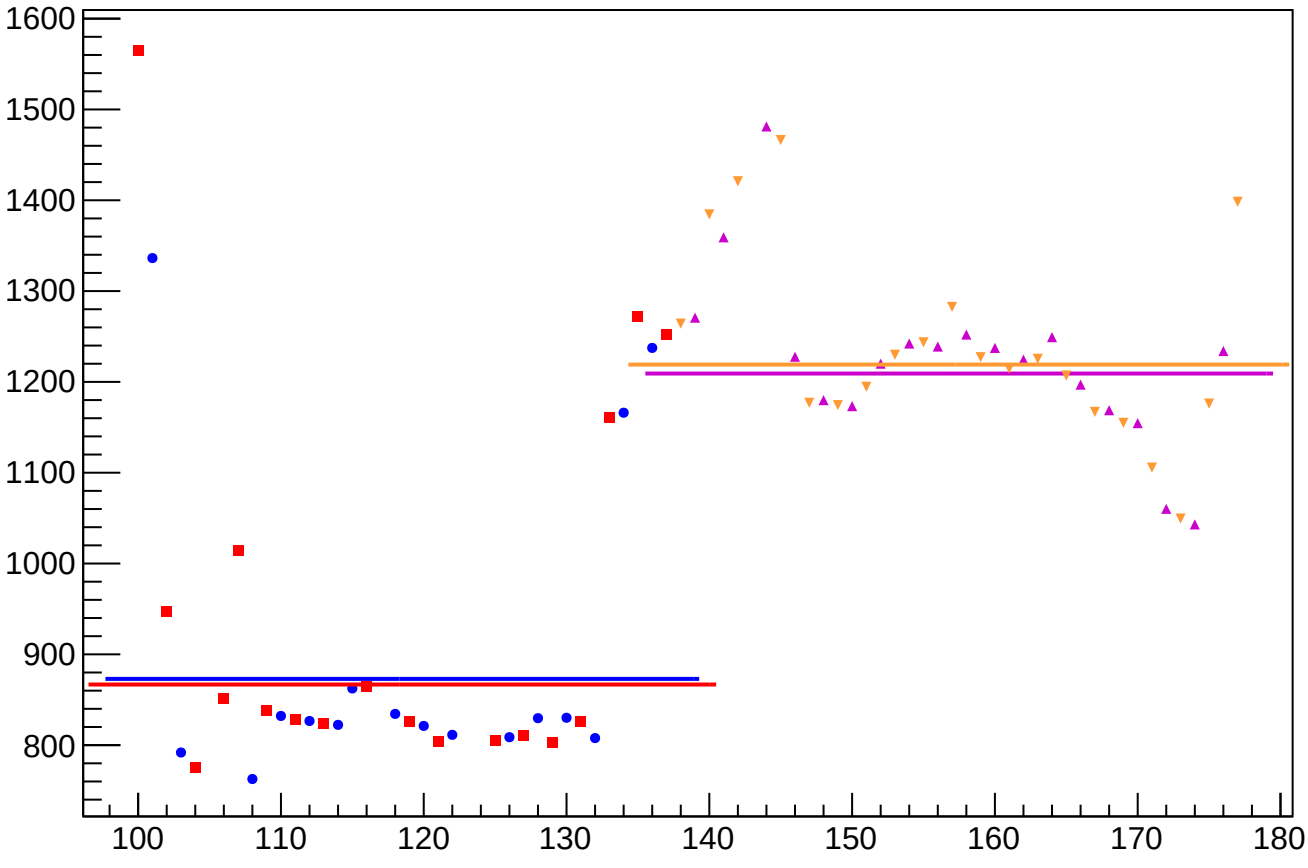
Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: 619.040+/-307.758 χ^2/NDF:9.0/18

+ sign 382.120+/-224.936 χ^2/NDF: 58.7/35

All: 408.666+/-158.883 χ^2/NDF: 91.4/72

- sign 435.099+/-224.455 χ^2/NDF: 32.7/36



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1219.080+/-0.217 χ^2/NDF:194167.7/19

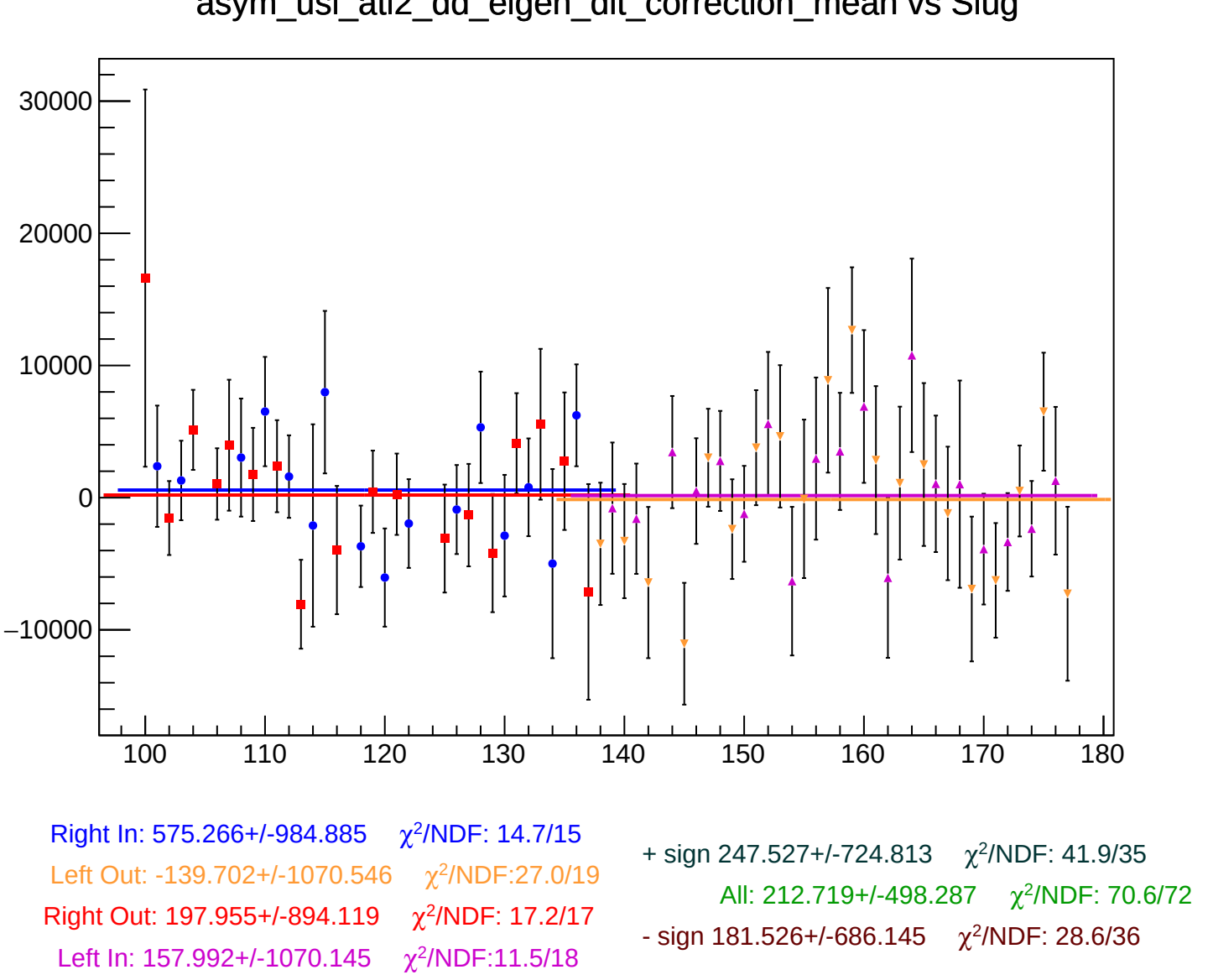
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1209.214+/-0.218 χ^2/NDF:177500.9/18

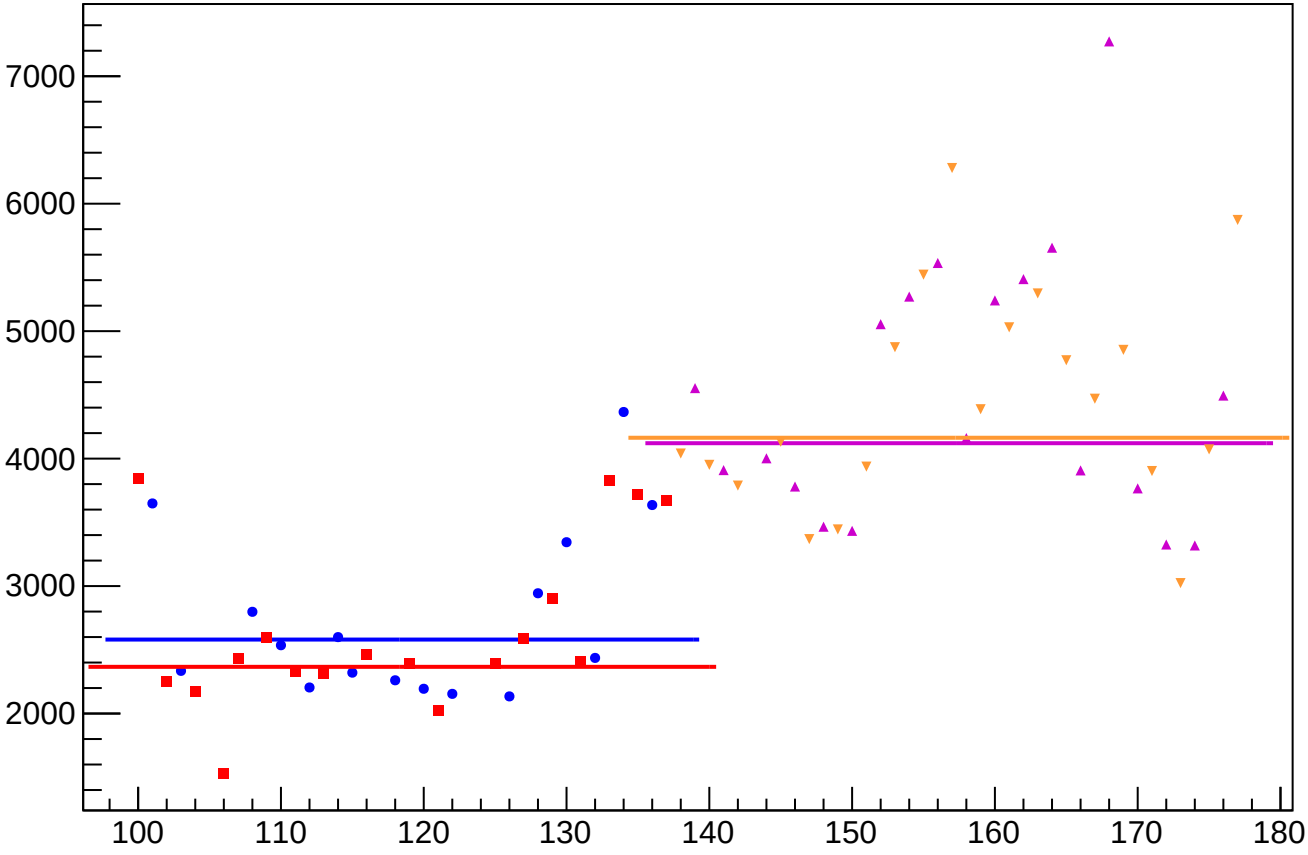
+ sign 1058.359+/-0.159 χ^2/NDF: 1789048.1/35

All: 1053.543+/-0.112 χ^2/NDF: 3419064.0/72

- sign 1048.752+/-0.159 χ^2/NDF: 1628186.9/36


asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 575.266+/-984.885 χ²/NDF: 14.7/15
Left Out: -139.702+/-1070.546 χ²/NDF:27.0/19
Right Out: 197.955+/-894.119 χ²/NDF: 17.2/17
Left In: 157.992+/-1070.145 χ²/NDF:11.5/18
+ sign 247.527+/-724.813 χ²/NDF: 41.9/35
All: 212.719+/-498.287 χ²/NDF: 70.6/72
- sign 181.526+/-686.145 χ²/NDF: 28.6/36

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4163.683+/-0.757 χ^2/NDF:1044806.5/19

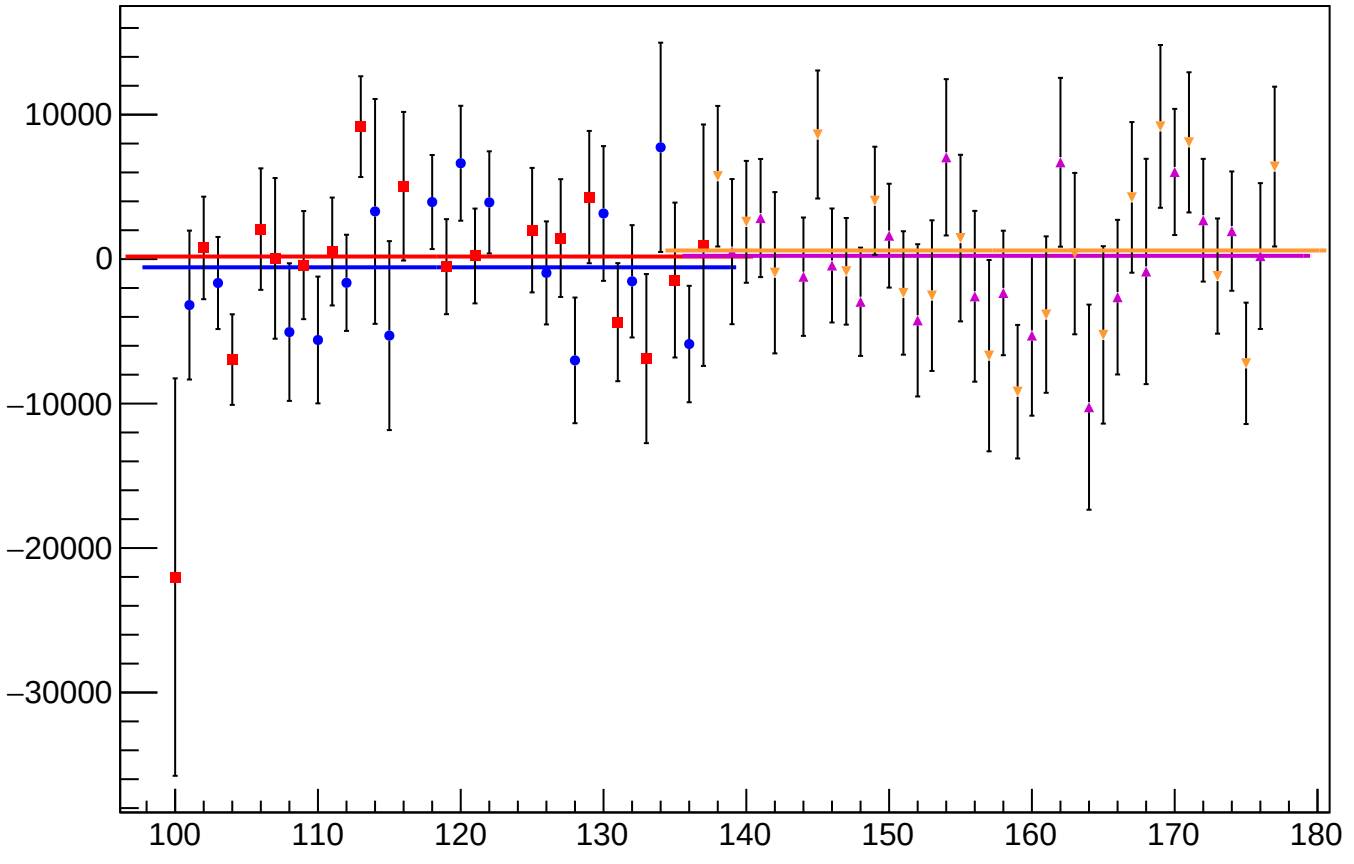
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4120.858+/-0.757 χ^2/NDF:1211635.0/18

+ sign 3306.155+/-0.513 χ^2/NDF: 4031350.5/35

All: 3190.924+/-0.352 χ^2/NDF: 9116232.9/72

- sign 3087.660+/-0.485 χ^2/NDF: 4989033.1/36



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 598.368+/-1070.166 χ^2/NDF:23.8/19

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

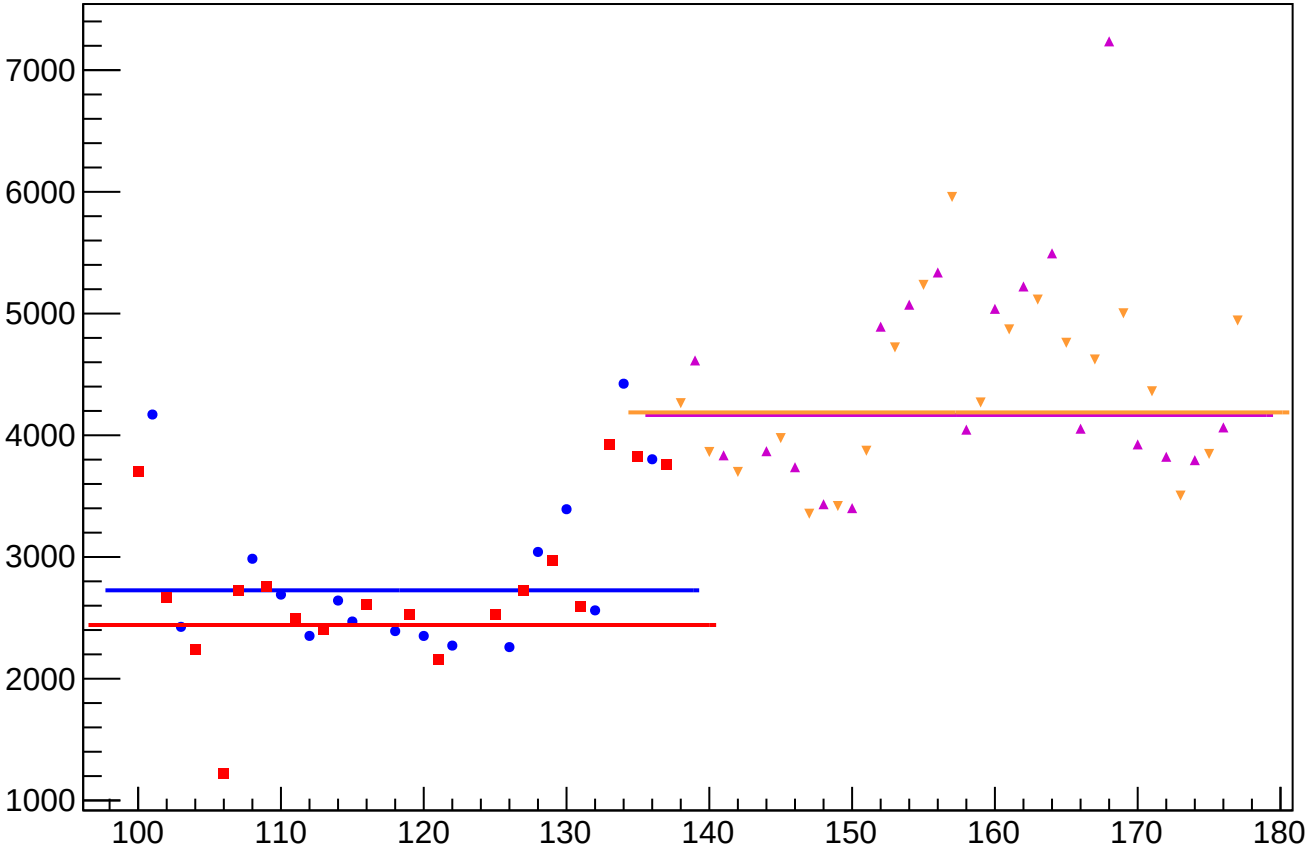
Left In: 227.763+/-1076.347 χ^2/NDF:11.3/18

\+ sign -0.332+/-745.943 χ^2/NDF: 40.6/35

All: 102.826+/-521.006 χ^2/NDF: 71.5/72

\- sign 201.084+/-728.011 χ^2/NDF: 30.8/36

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4187.932+/-0.757 χ^2/NDF:731465.8/19

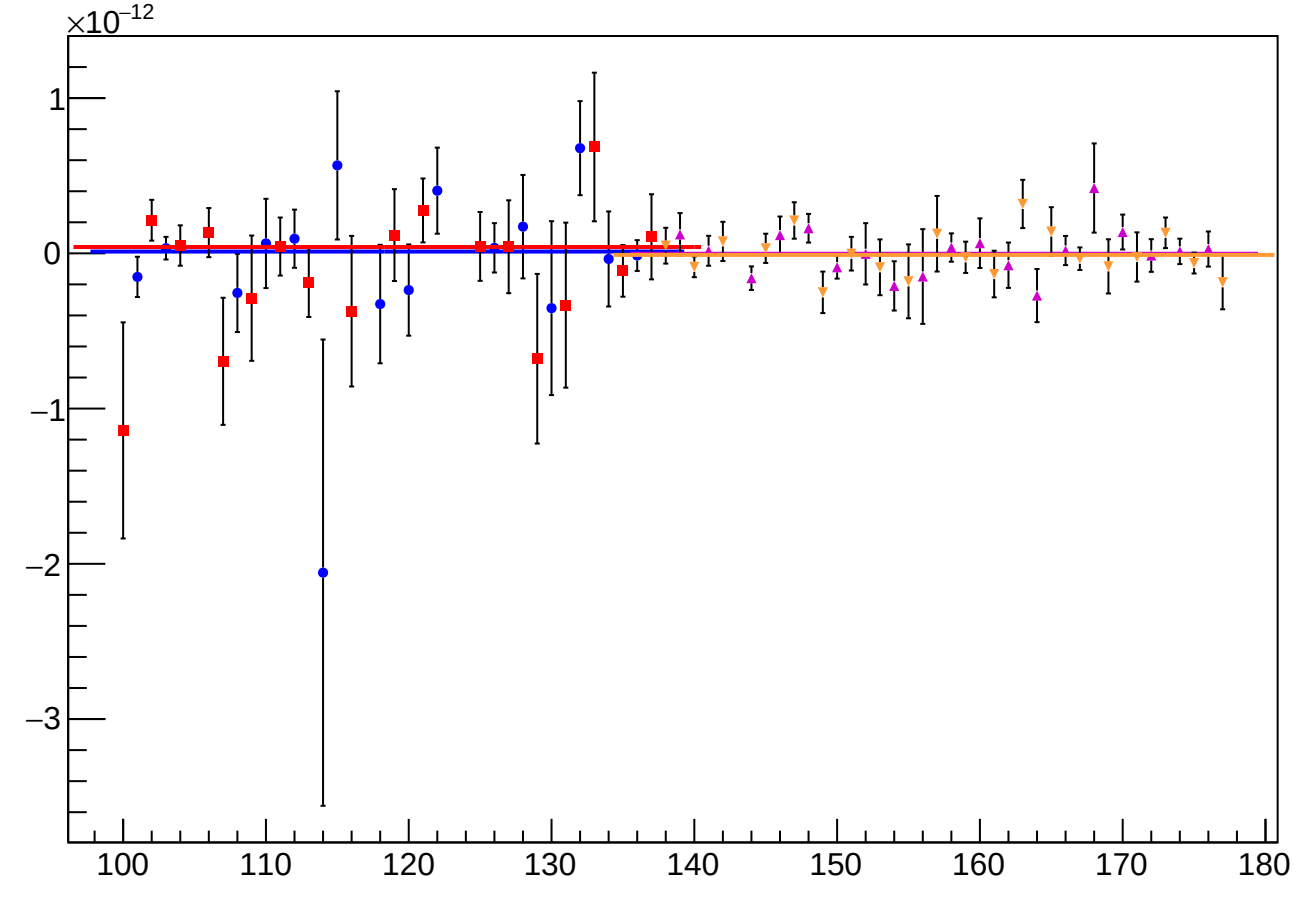
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4166.914+/-0.761 χ^2/NDF:936016.3/18

+ sign 3436.410+/-0.527 χ^2/NDF: 3272897.2/35

All: 3307.470+/-0.363 χ^2/NDF: 8121379.7/72

- sign 3190.864+/-0.502 χ^2/NDF: 4734684.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/19

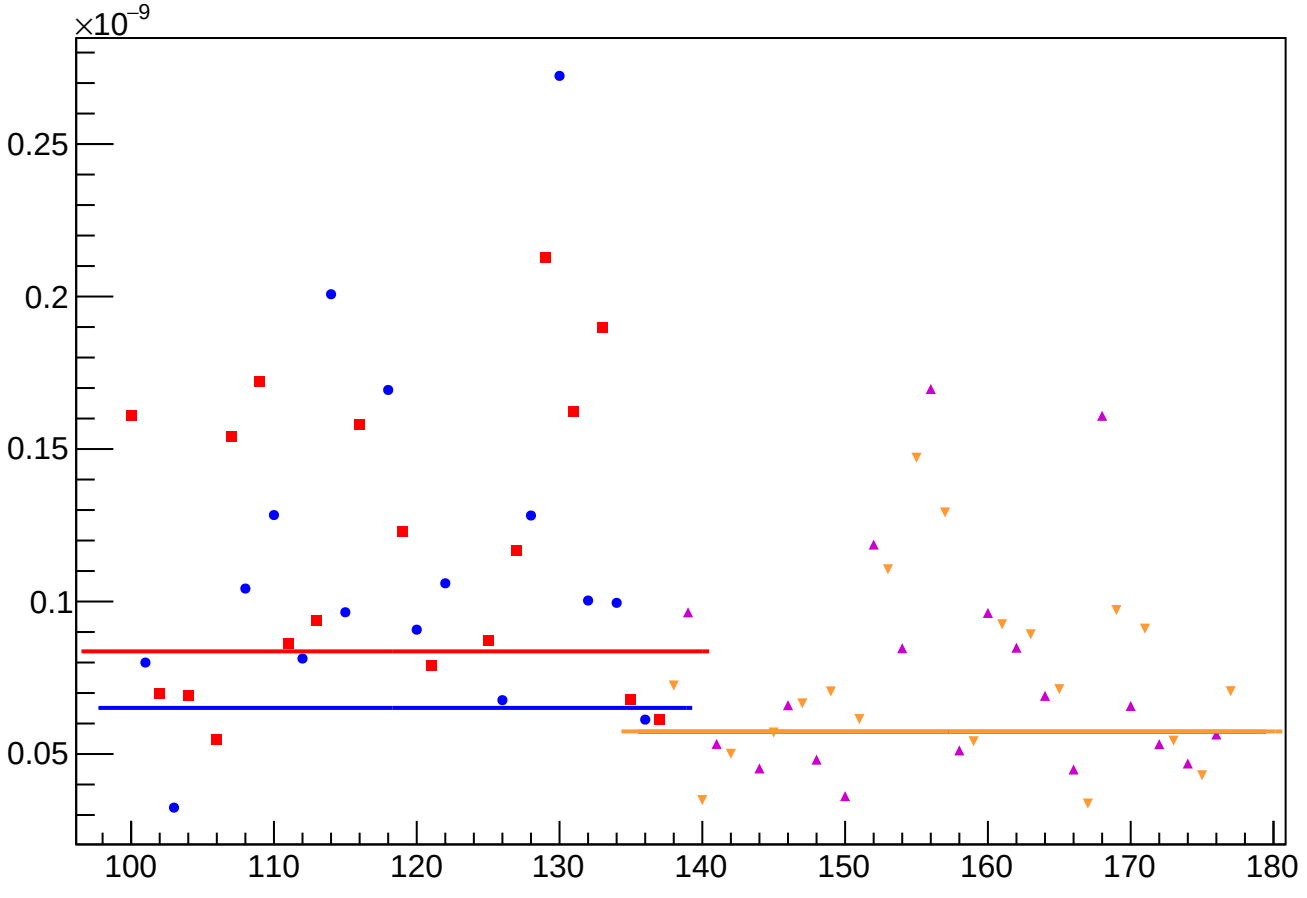
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/35

All: -0.000+/-0.000 χ^2/NDF: 73.1/72

- sign 0.000+/-0.000 χ^2/NDF: 37.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1657281.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

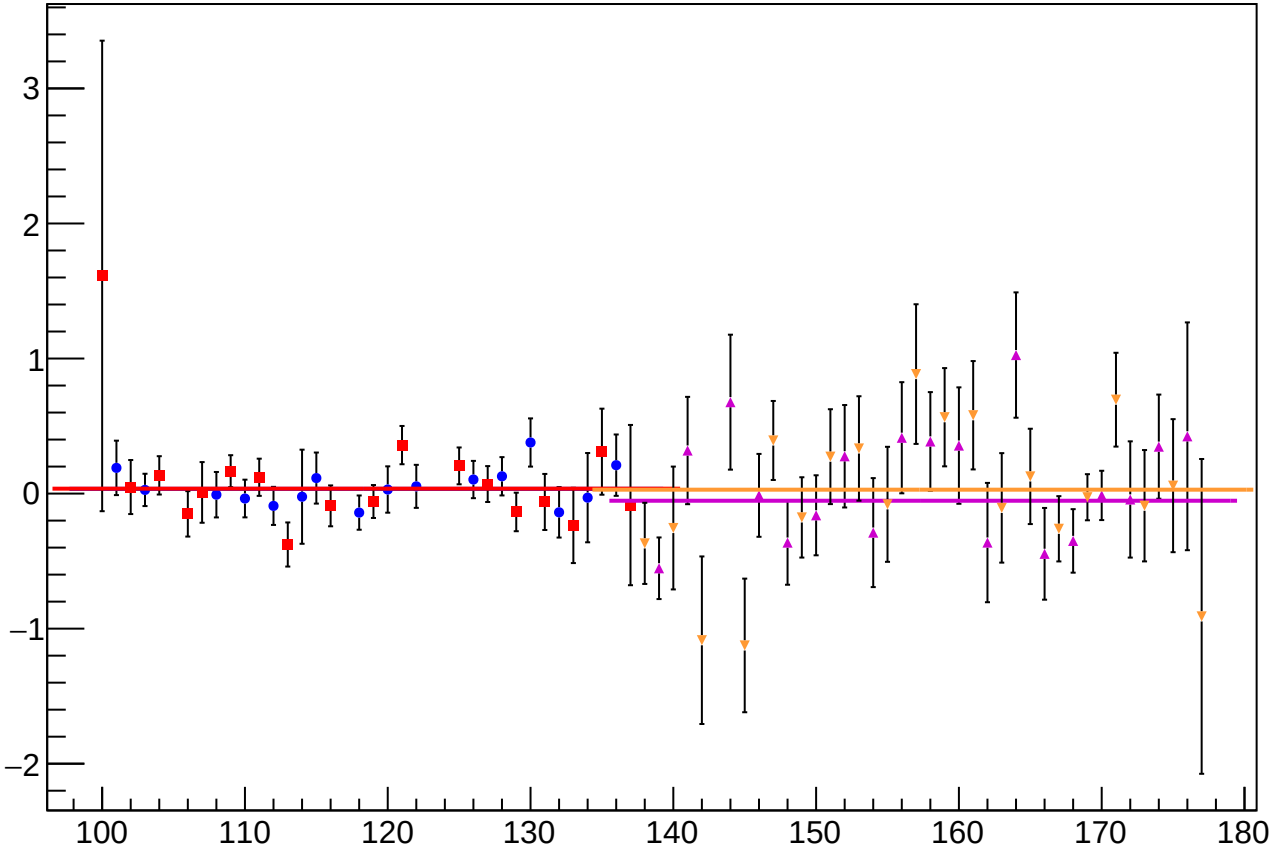
Left In: 0.000+/-0.000 χ^2/NDF:1487068.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 2926280.4/35

All: 0.000+/-0.000 χ^2/NDF: 5519113.6/72

- sign 0.000+/-0.000 χ^2/NDF: 2575931.8/36

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: 0.029+/-0.077 χ^2/NDF:27.0/19

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

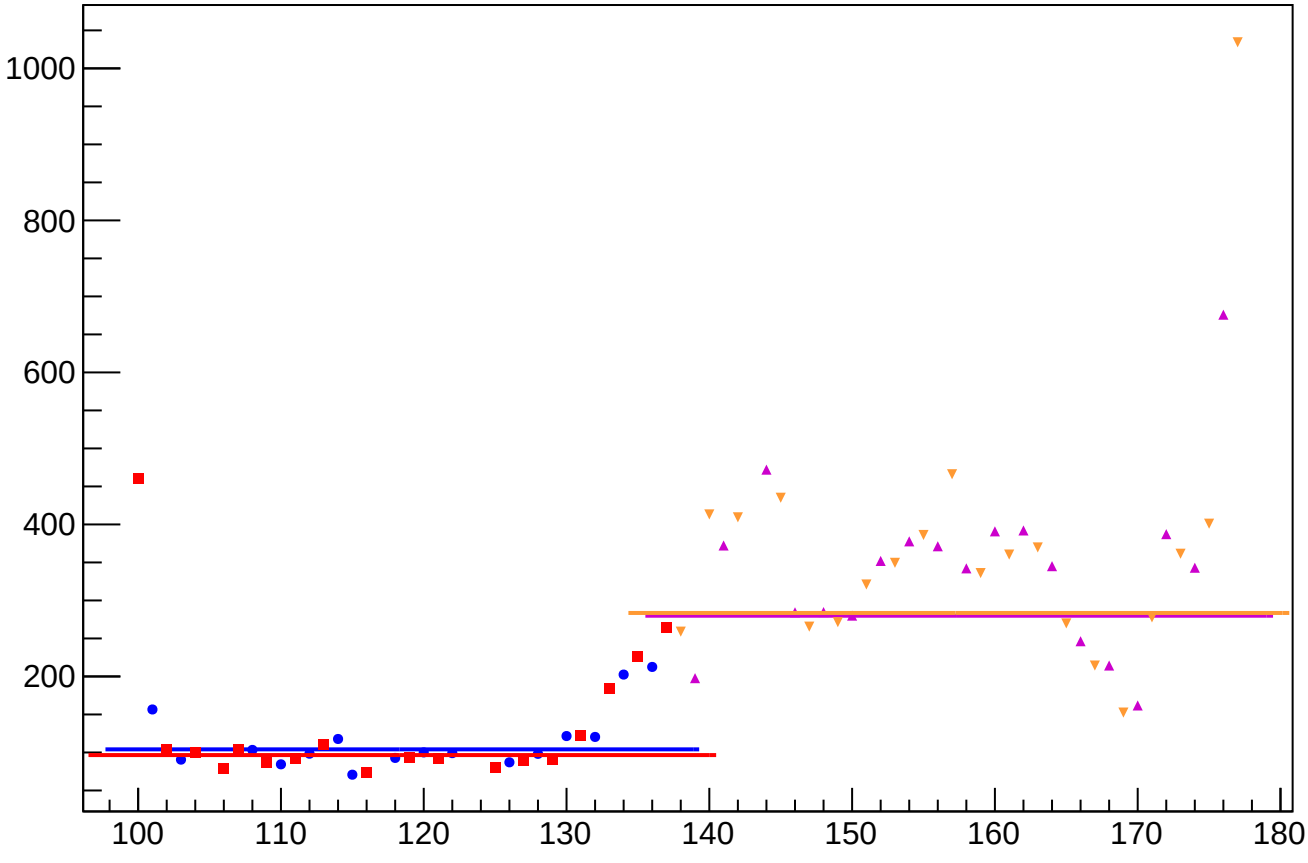
Left In: -0.053+/-0.076 χ^2/NDF:24.0/18

+ sign 0.034+/-0.036 χ^2/NDF: 36.7/35

All: 0.025+/-0.025 χ^2/NDF: 83.9/72

- sign 0.018+/-0.035 χ^2/NDF: 47.1/36

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 283.542+/-0.055 χ^2/NDF:3469524.5/19

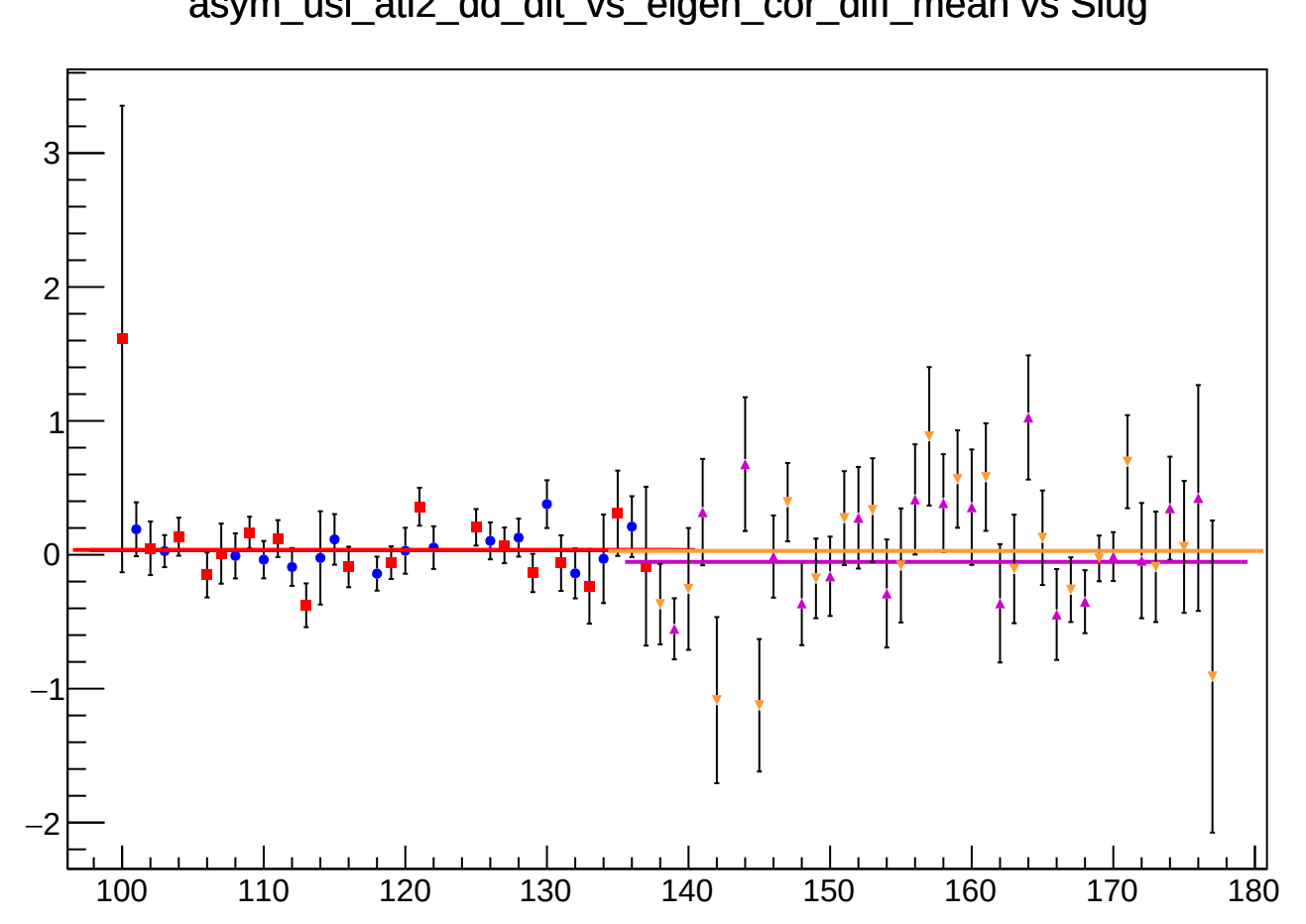
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 279.913+/-0.054 χ^2/NDF:2942889.6/18

+ sign 143.662+/-0.026 χ^2/NDF: 12893198.4/35

All: 139.000+/-0.018 χ^2/NDF: 26105905.9/72

- sign 134.744+/-0.024 χ^2/NDF: 13149354.2/36



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.029+/-0.077 χ^2/NDF:27.0/19

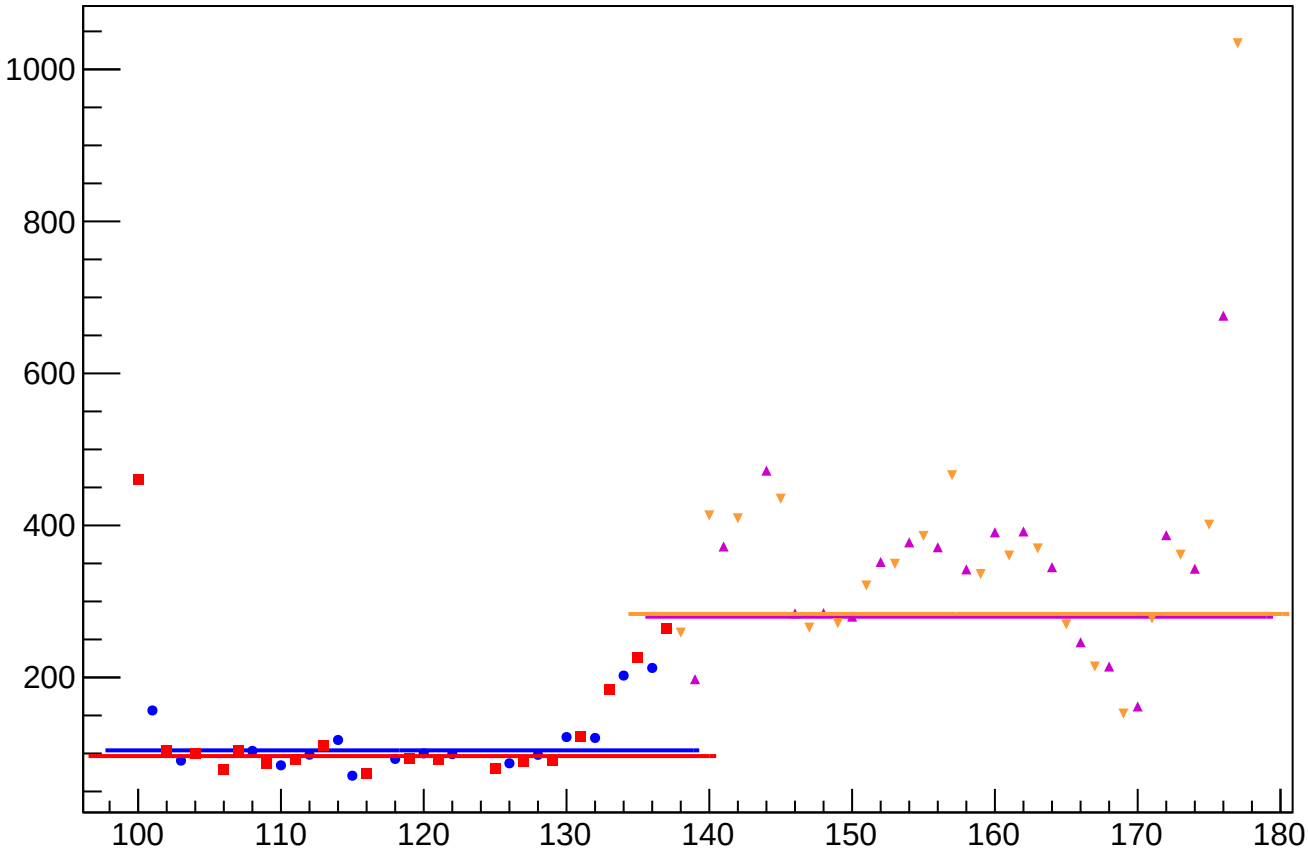
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.053+/-0.076 χ^2/NDF:24.0/18

+ sign 0.034+/-0.036 χ^2/NDF: 36.7/35

All: 0.025+/-0.025 χ^2/NDF: 83.9/72

- sign 0.018+/-0.035 χ^2/NDF: 47.1/36



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 283.542+/-0.055 χ^2/NDF:3469524.5/19

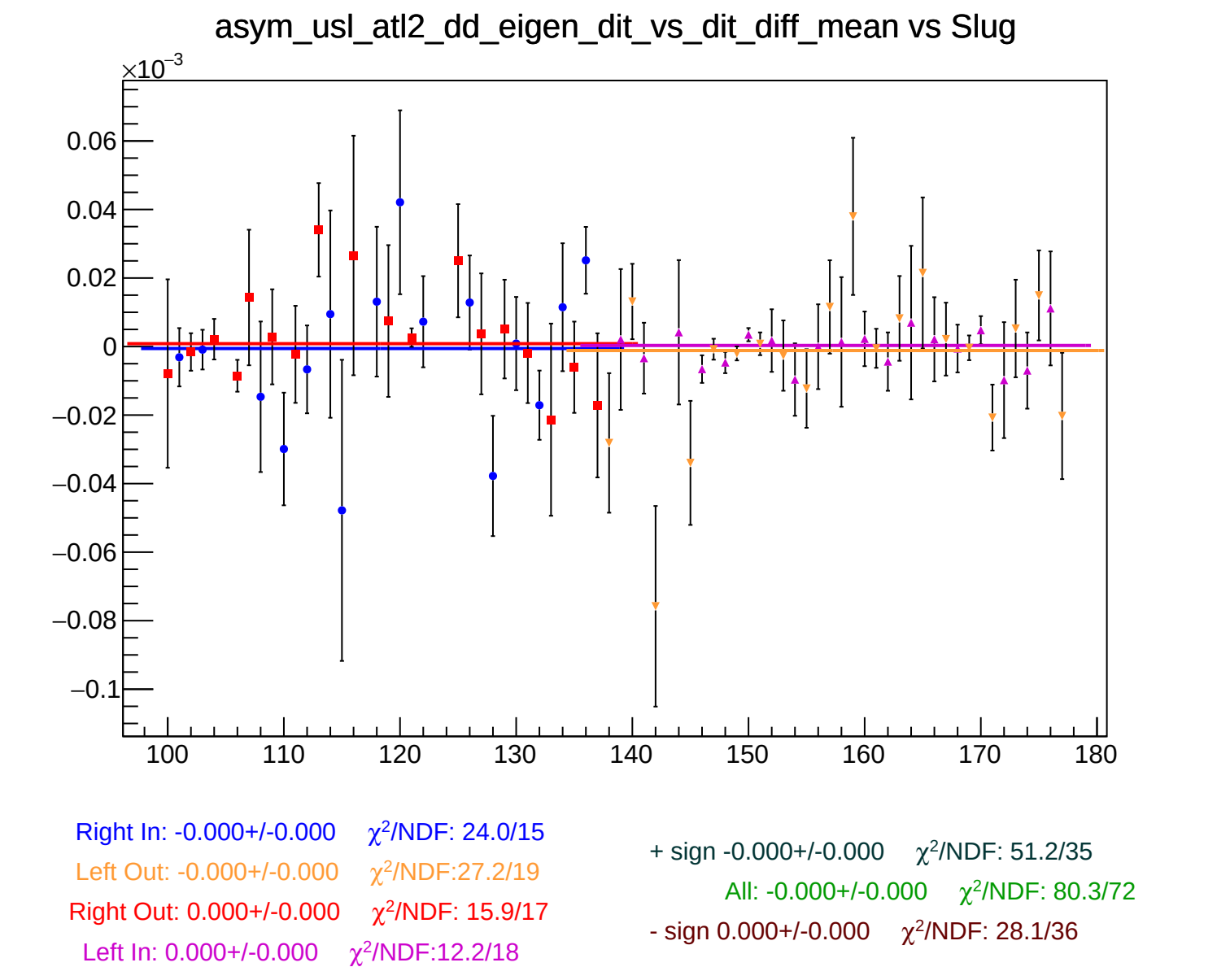
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 279.913+/-0.054 χ^2/NDF:2942889.6/18

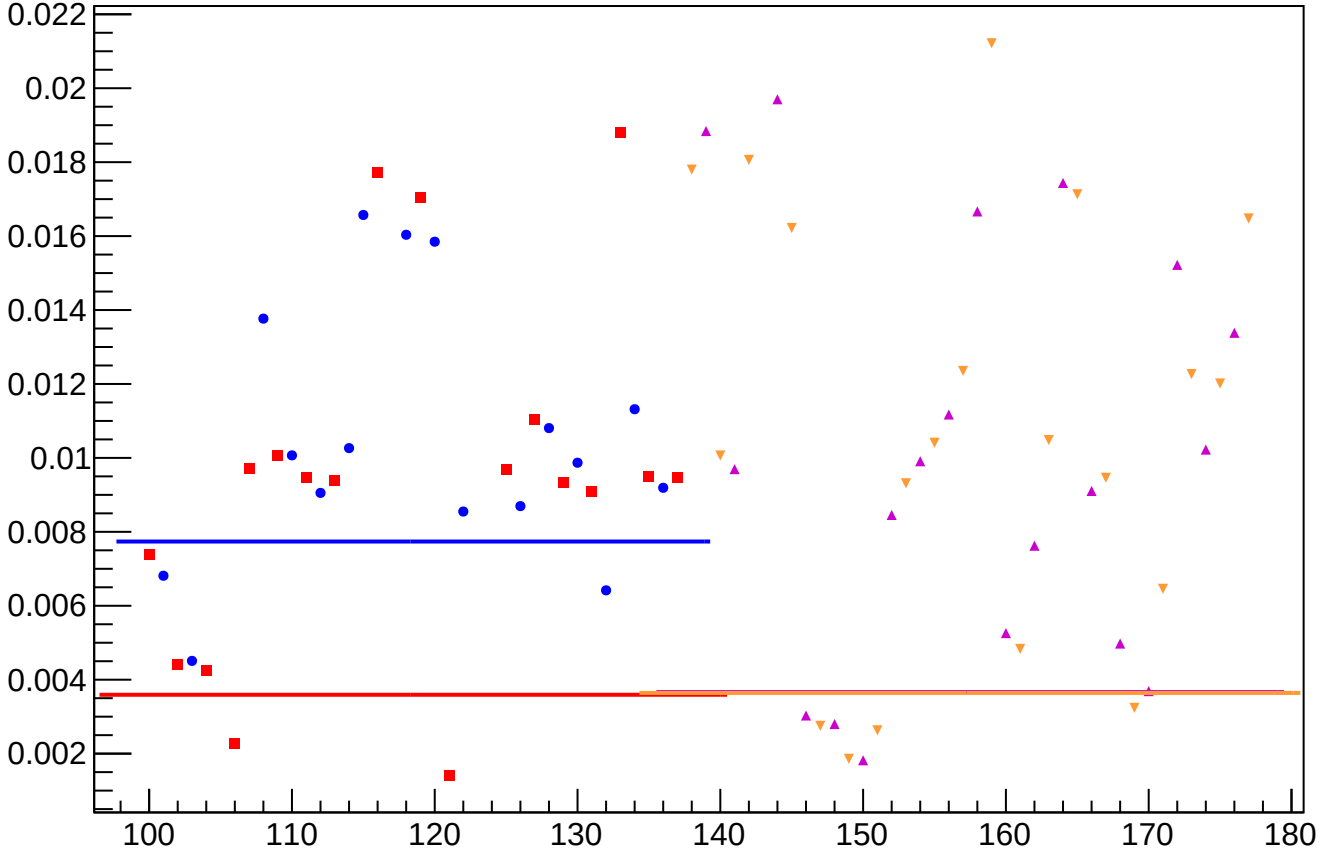
+ sign 143.662+/-0.026 χ^2/NDF: 12893198.4/35

All: 139.000+/-0.018 χ^2/NDF: 26105905.9/72

- sign 134.744+/-0.024 χ^2/NDF: 13149354.2/36


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:27.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:12.2/18
+ sign -0.000+/-0.000 χ²/NDF: 51.2/35
All: -0.000+/-0.000 χ²/NDF: 80.3/72
- sign 0.000+/-0.000 χ²/NDF: 28.1/36

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:13044047.4/19

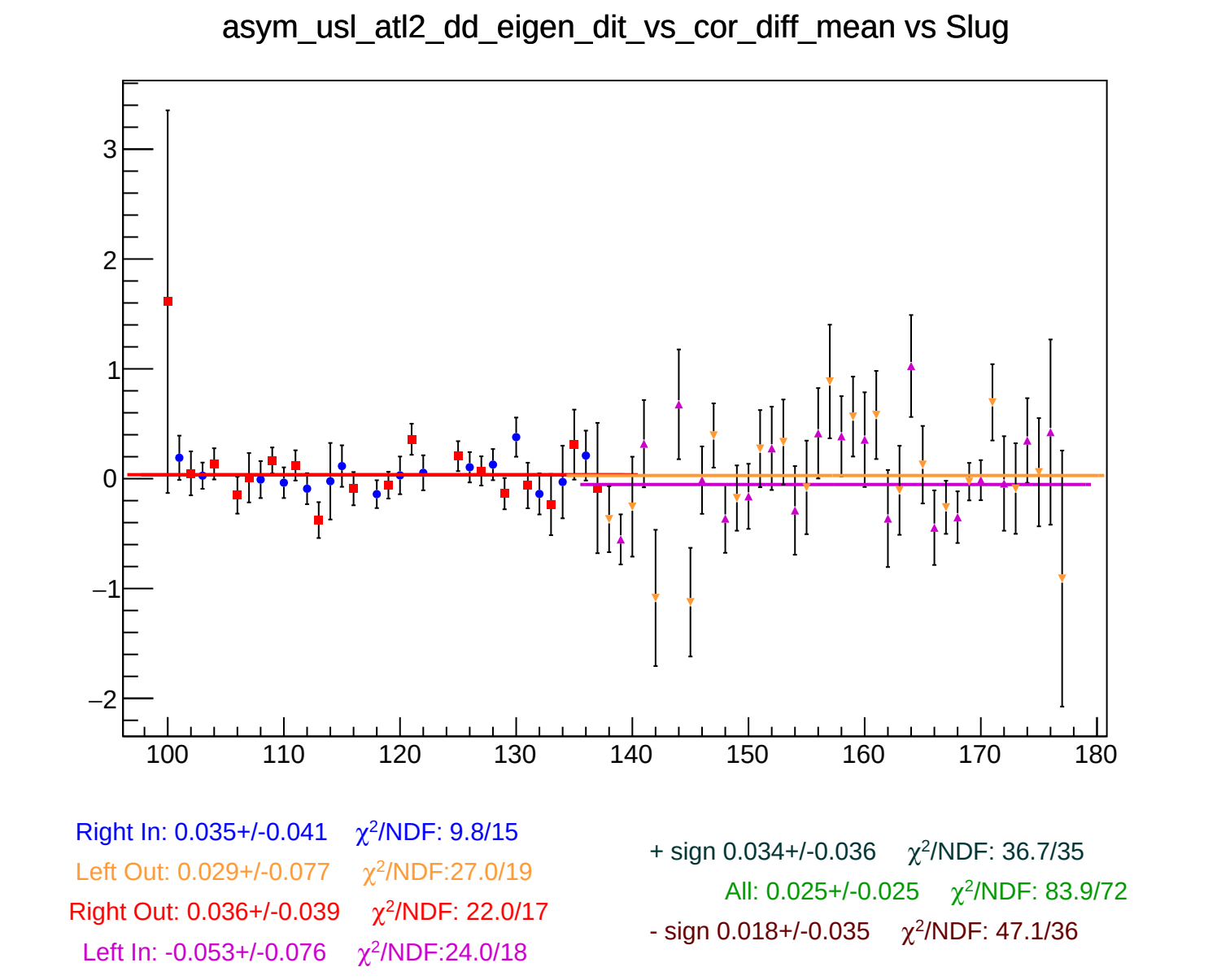
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

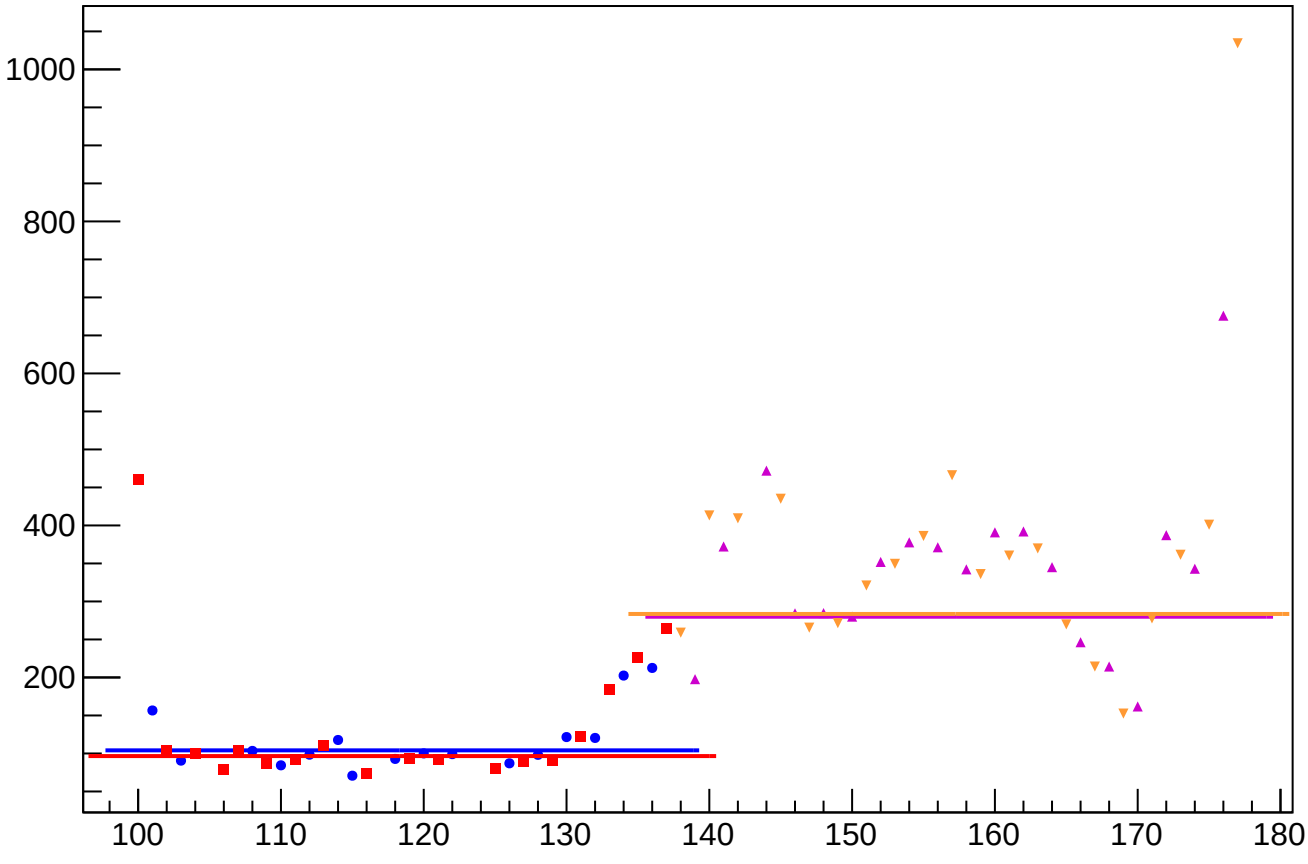
Left In: 0.004+/-0.000 χ^2/NDF:11949330.0/18

+ sign 0.004+/-0.000 χ^2/NDF: 17721579.9/35

All: 0.004+/-0.000 χ^2/NDF: 36309241.2/72

- sign 0.004+/-0.000 χ^2/NDF: 18316349.7/36


asym_usl_atl2_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: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.029+/-0.077 χ²/NDF:27.0/19
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.053+/-0.076 χ²/NDF:24.0/18
+ sign 0.034+/-0.036 χ²/NDF: 36.7/35
All: 0.025+/-0.025 χ²/NDF: 83.9/72
- sign 0.018+/-0.035 χ²/NDF: 47.1/36



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 283.544+/-0.055 χ^2/NDF:3469574.5/19

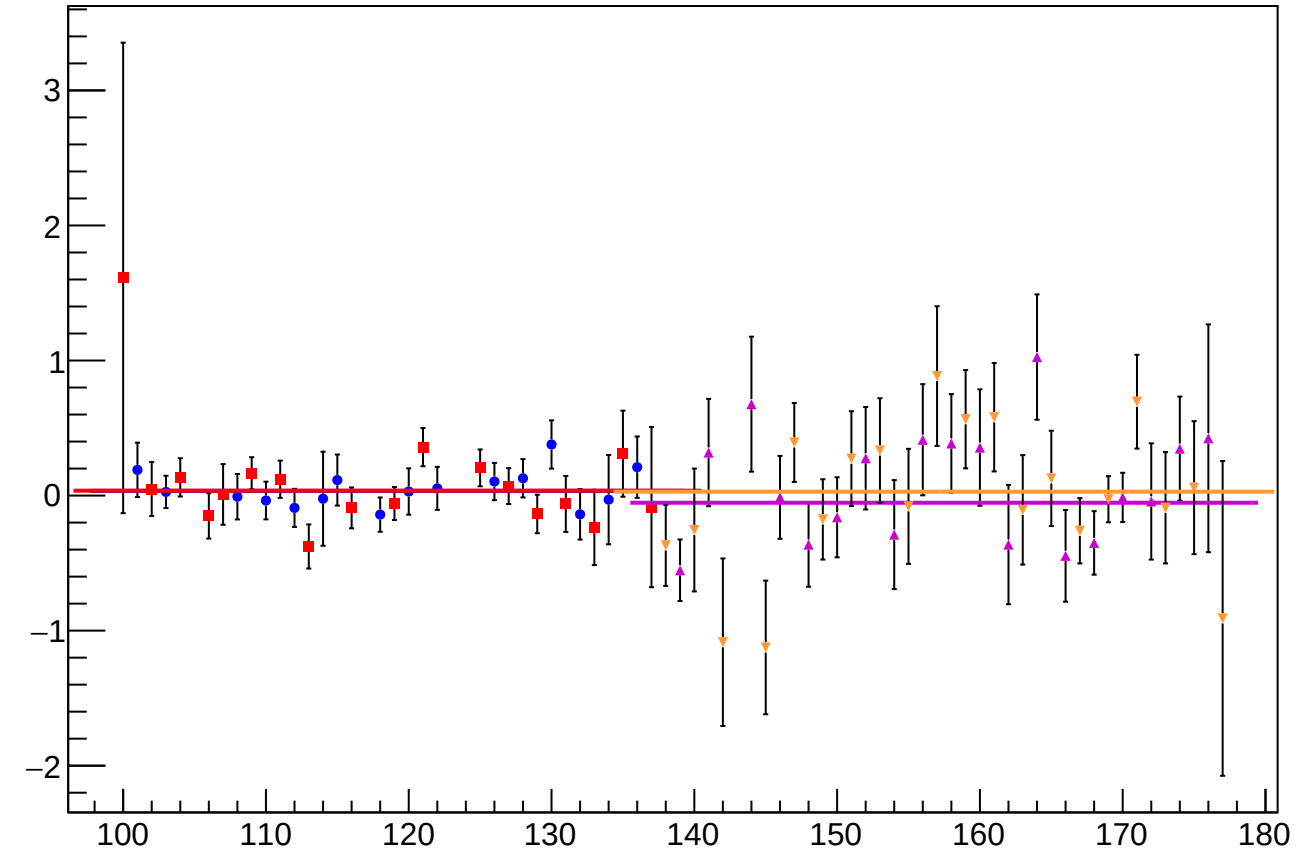
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 279.916+/-0.054 χ^2/NDF:2942847.0/18

+ sign 143.663+/-0.026 χ^2/NDF: 12893169.4/35

All: 139.002+/-0.018 χ^2/NDF: 26105754.1/72

- sign 134.746+/-0.024 χ^2/NDF: 13149240.7/36



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.029+/-0.077 χ^2/NDF:27.0/19

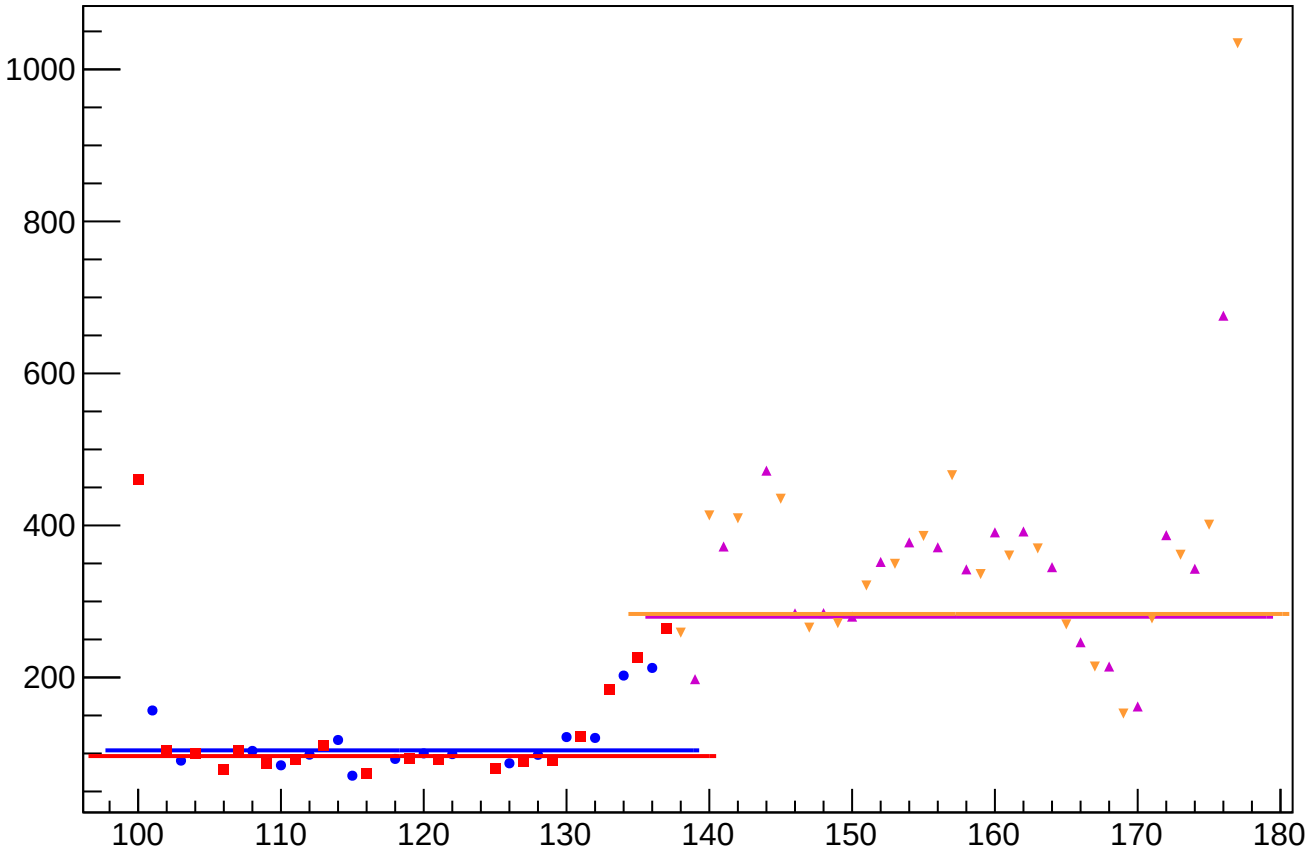
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.053+/-0.076 χ^2/NDF:24.0/18

+ sign 0.034+/-0.036 χ^2/NDF: 36.7/35

All: 0.025+/-0.025 χ^2/NDF: 83.9/72

- sign 0.018+/-0.035 χ^2/NDF: 47.1/36



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 283.544+/-0.055 χ^2/NDF:3469574.5/19

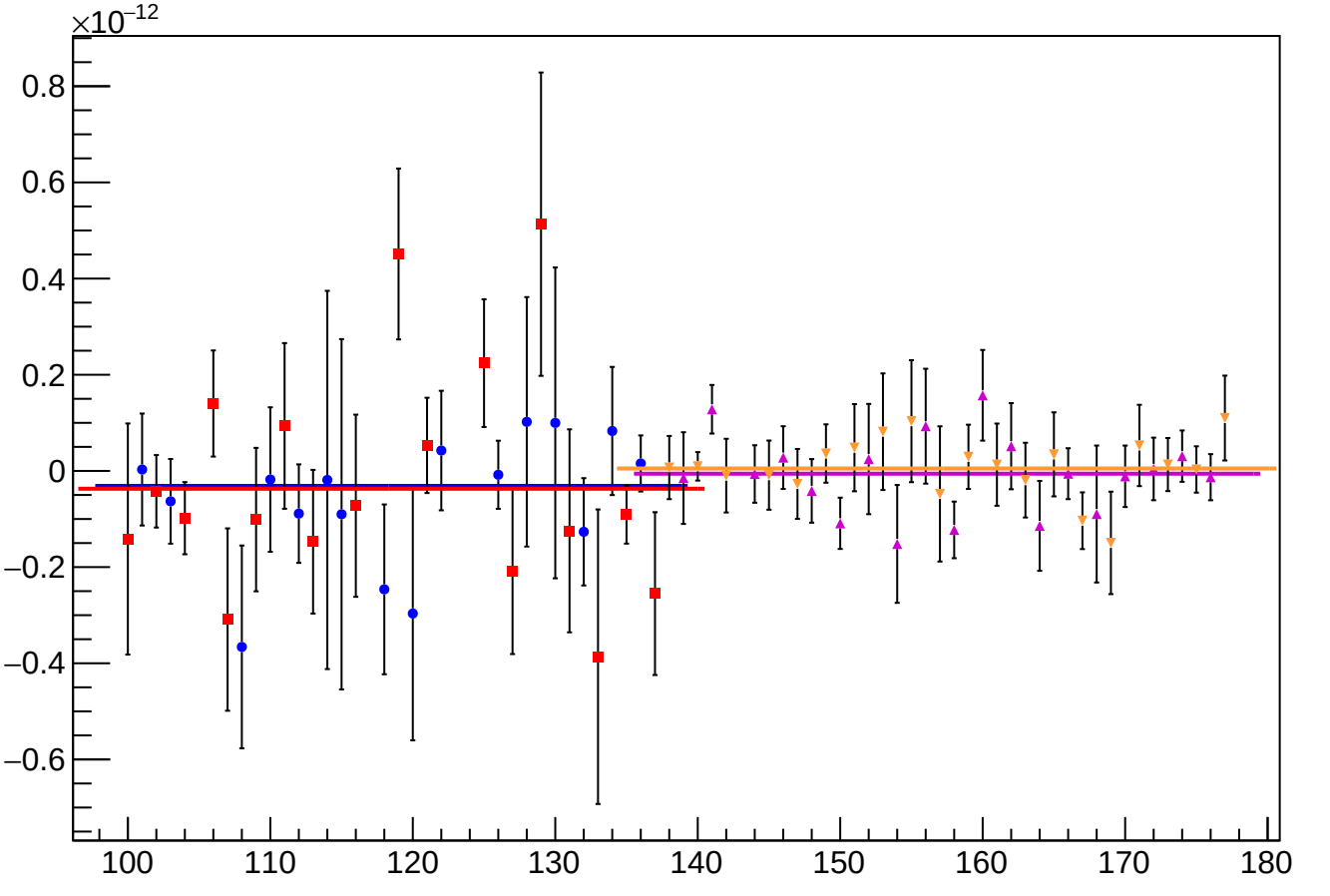
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 279.916+/-0.054 χ^2/NDF:2942847.0/18

+ sign 143.663+/-0.026 χ^2/NDF: 12893169.4/35

All: 139.002+/-0.018 χ^2/NDF: 26105754.1/72

- sign 134.746+/-0.024 χ^2/NDF: 13149240.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/19

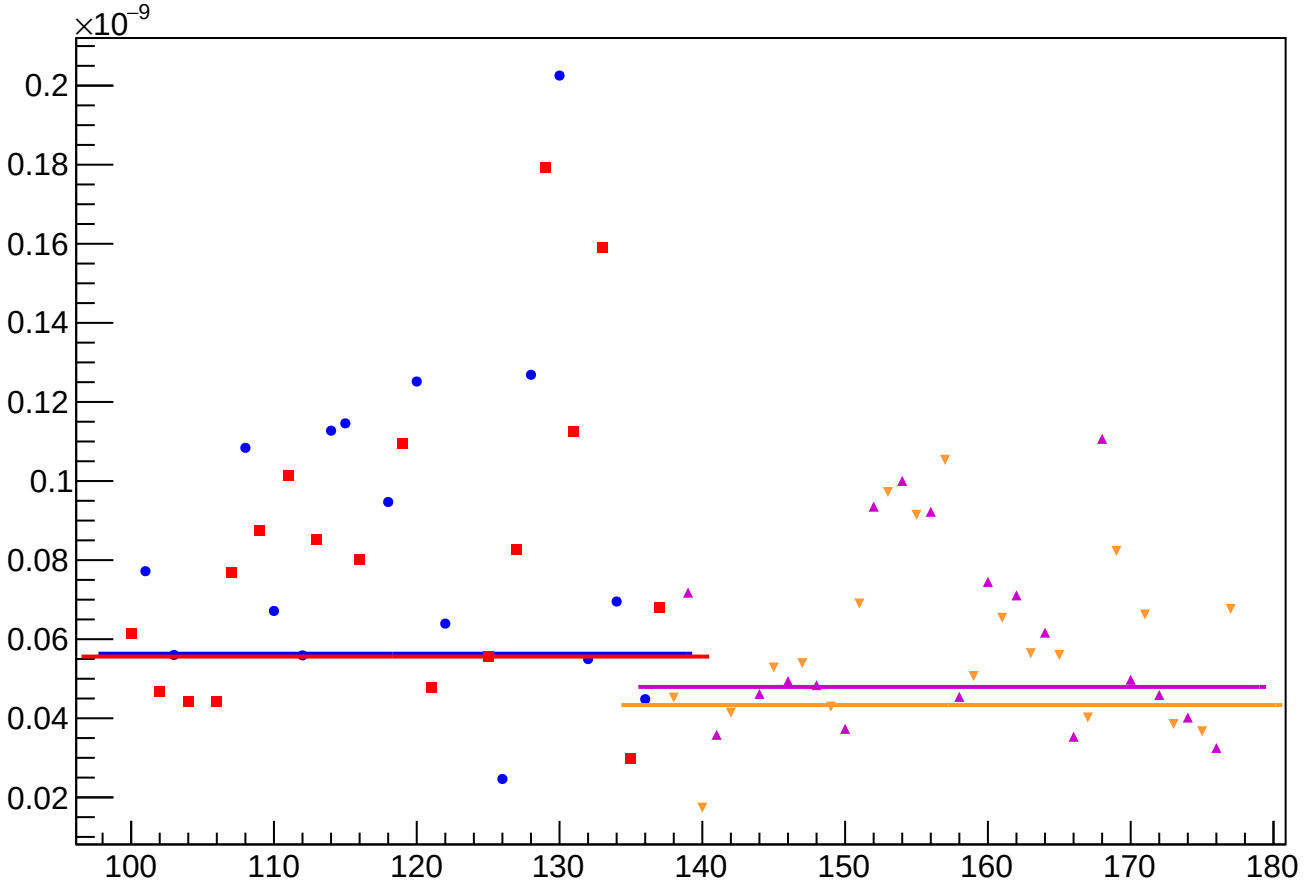
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:23.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 19.3/35

All: -0.000+/-0.000 χ^2/NDF: 70.7/72

- sign -0.000+/-0.000 χ^2/NDF: 51.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3730836.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

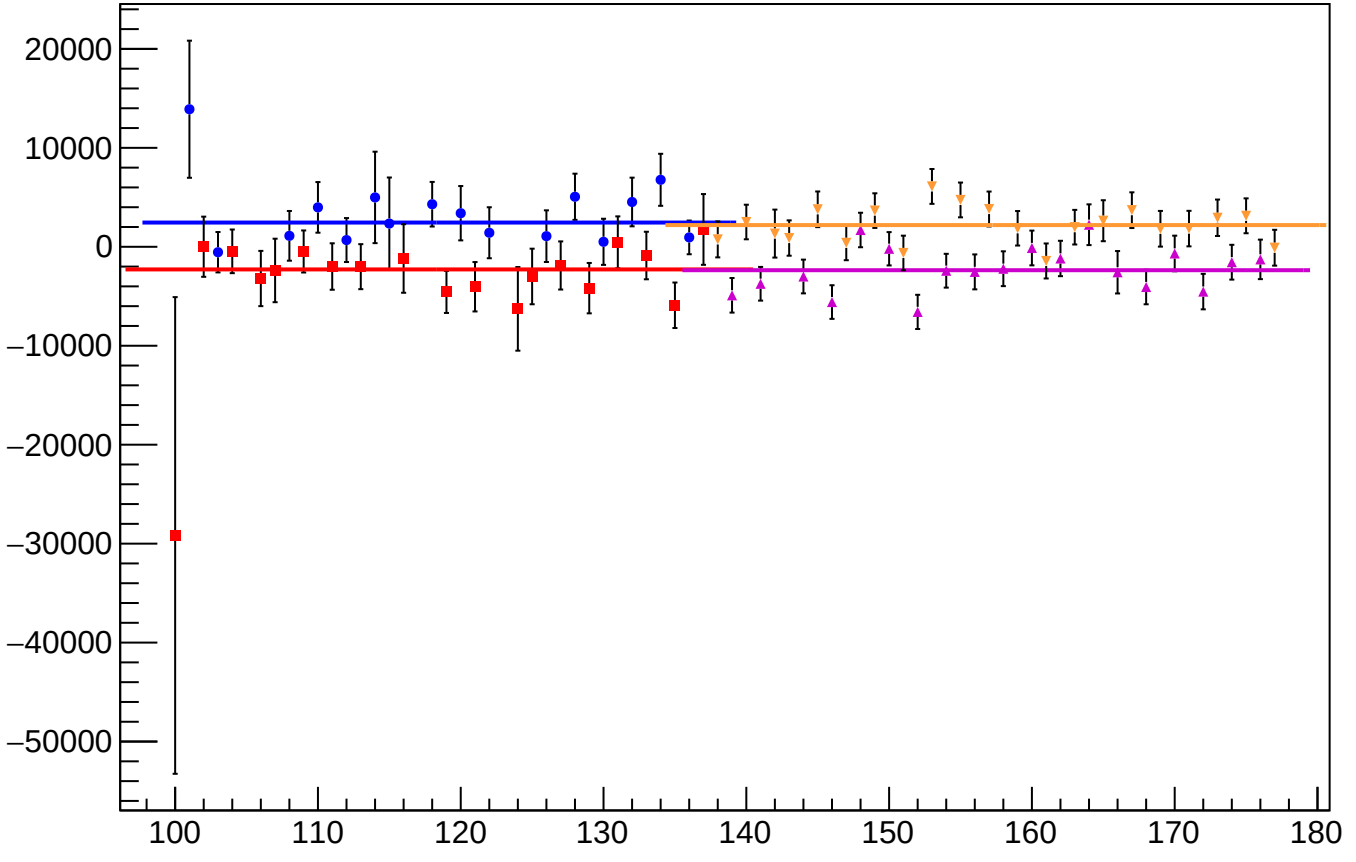
Left In: 0.000+/-0.000 χ^2/NDF:2368604.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 5621964.6/35

All: 0.000+/-0.000 χ^2/NDF: 9944456.7/72

- sign 0.000+/-0.000 χ^2/NDF: 4246193.3/36

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2194.422+/-394.561 χ^2/NDF:21.4/20

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

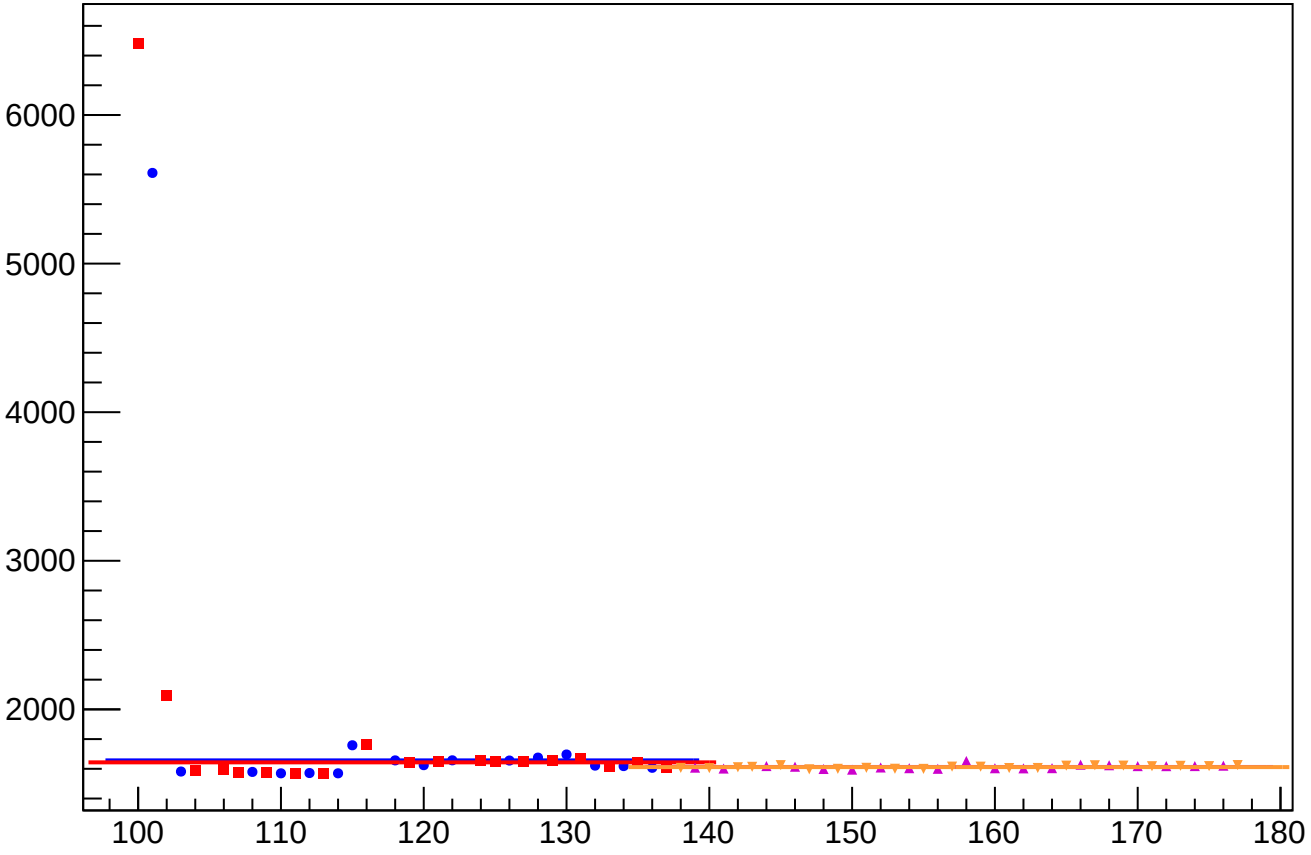
Left In: -2365.624+/-408.993 χ^2/NDF:30.4/18

+ sign 2266.375+/-334.428 χ^2/NDF: 35.4/36

All: -2.279+/-238.269 χ^2/NDF: 171.1/74

- sign -2341.061+/-339.558 χ^2/NDF: 42.2/37

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1611.550+/-0.279 χ^2/NDF:1042.7/20

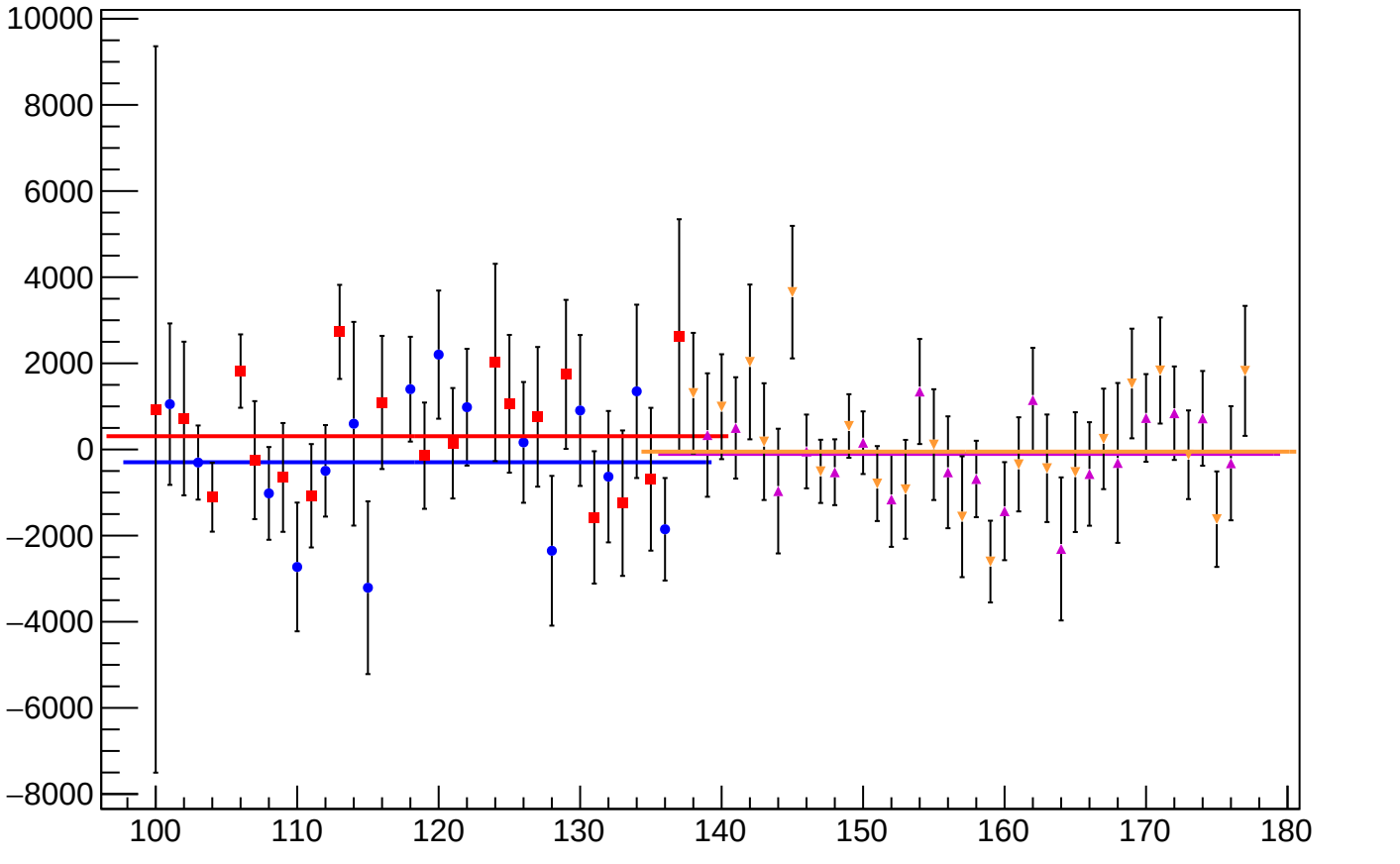
Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

+ sign 1624.259+/-0.236 χ^2/NDF: 674637.7/36

All: 1623.151+/-0.168 χ^2/NDF: 817356.1/74

- sign 1622.008+/-0.240 χ^2/NDF: 142673.8/37



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -50.377+/-245.026 χ^2/NDF:27.4/20

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

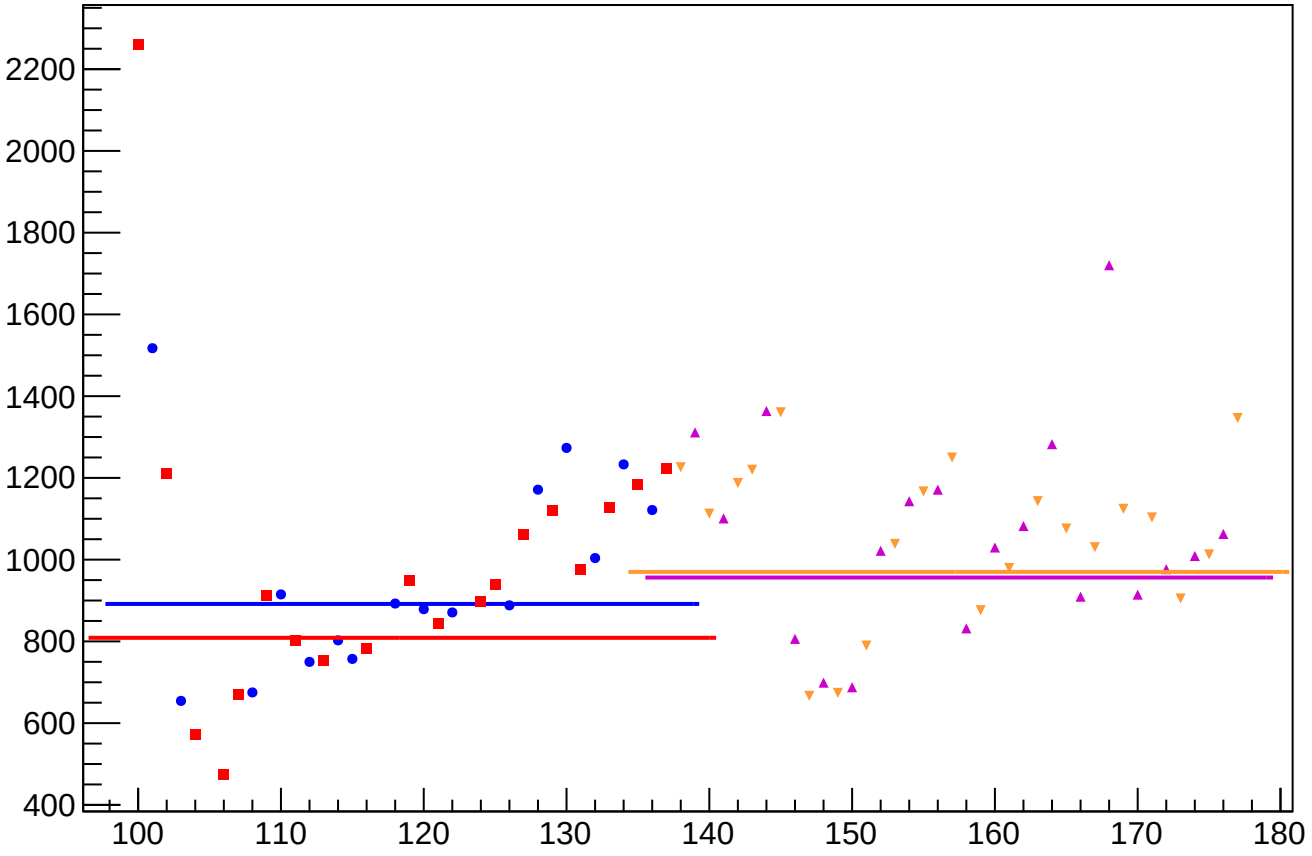
Left In: -102.993+/-249.817 χ^2/NDF:10.4/18

+ sign -133.381+/-199.464 χ^2/NDF: 43.7/36

All: -36.245+/-139.527 χ^2/NDF: 74.3/74

- sign 56.826+/-195.246 χ^2/NDF: 30.2/37

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 970.012+/-0.173 χ^2/NDF:1465849.1/20

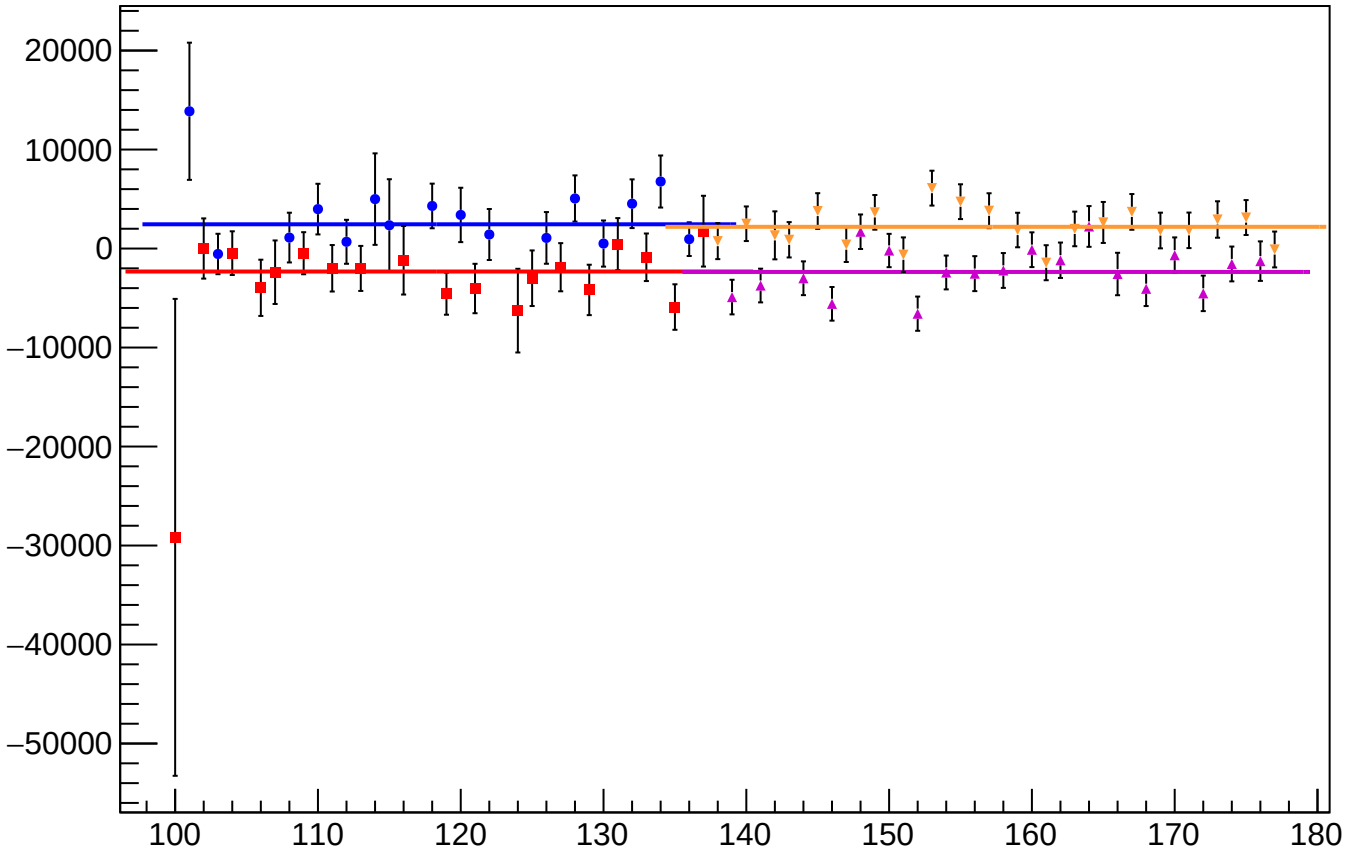
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 956.239+/-0.177 χ^2/NDF:1490707.5/18

+ sign 943.574+/-0.141 χ^2/NDF: 2328778.0/36

All: 920.741+/-0.099 χ^2/NDF: 5225723.9/74

- sign 898.863+/-0.138 χ^2/NDF: 2845627.9/37



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2194.412+/-394.561 χ^2/NDF:21.4/20

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

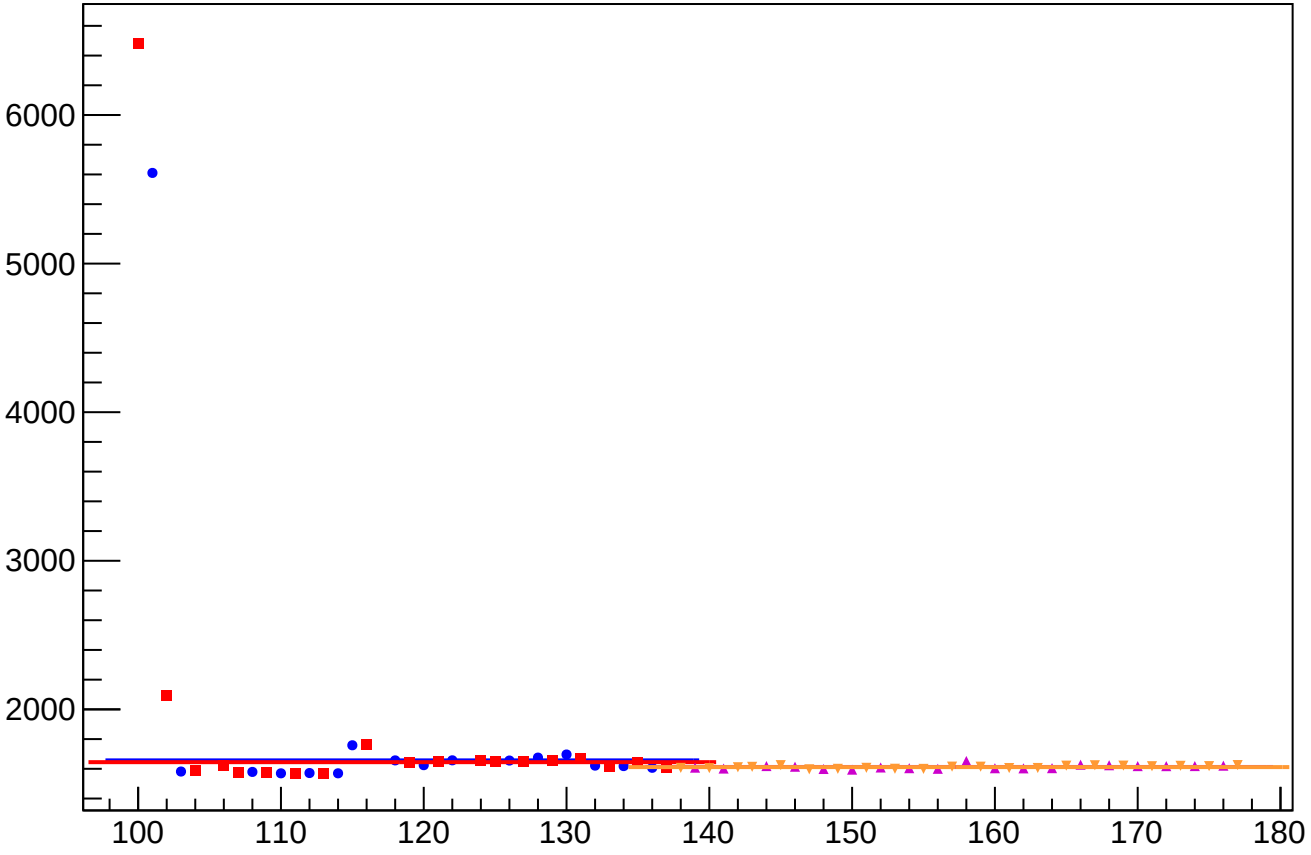
Left In: -2365.647+/-408.993 χ^2/NDF:30.4/18

+ sign 2266.210+/-334.428 χ^2/NDF: 35.4/36

All: -6.992+/-238.299 χ^2/NDF: 171.7/74

- sign -2351.658+/-339.645 χ^2/NDF: 42.5/37

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1611.550+/-0.279 χ^2/NDF:1042.7/20

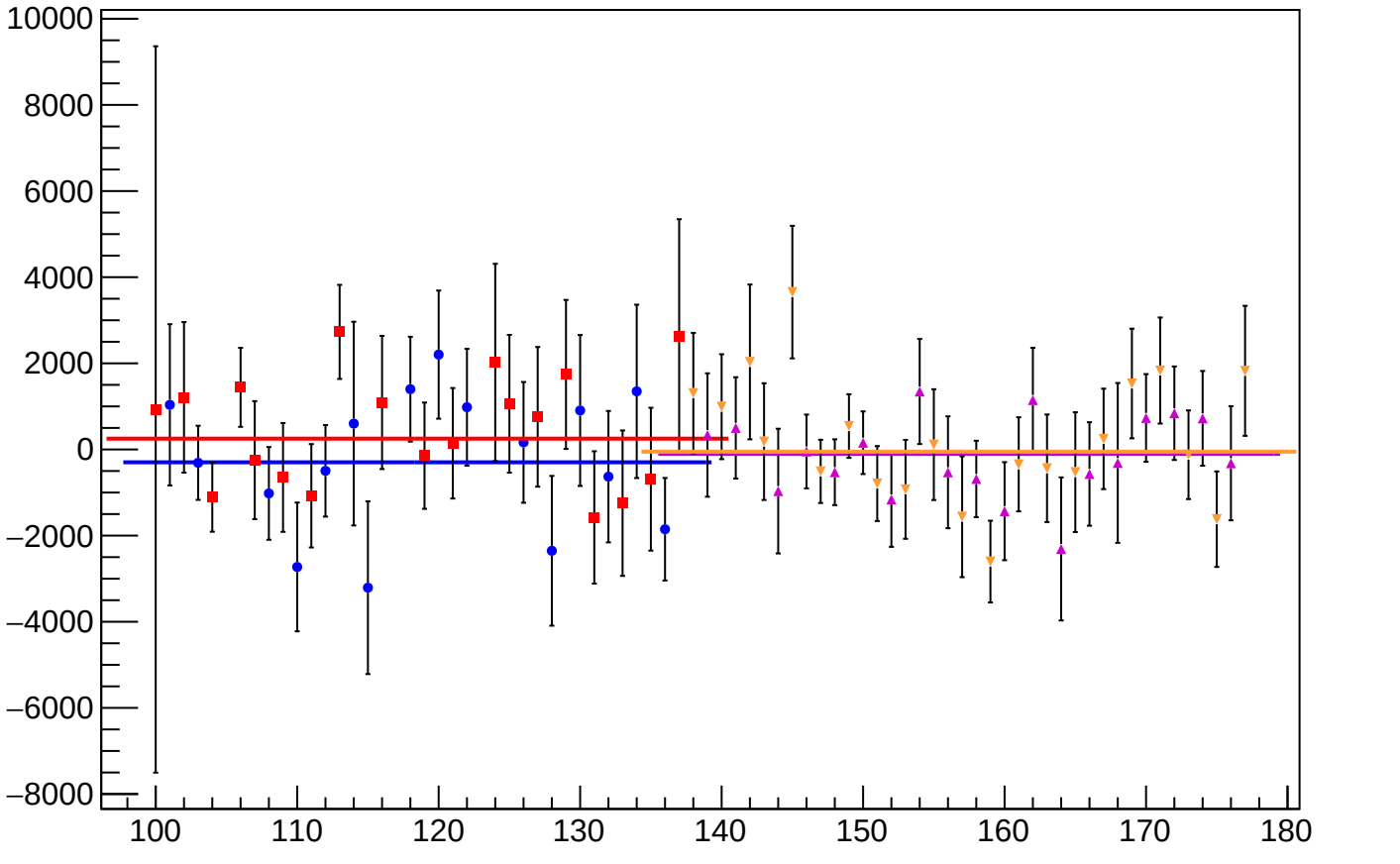
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

+ sign 1624.259+/-0.236 χ^2/NDF: 674637.2/36

All: 1623.344+/-0.169 χ^2/NDF: 817129.3/74

- sign 1622.402+/-0.240 χ^2/NDF: 142461.7/37



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -50.428+/-245.024 χ^2/NDF:27.4/20

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

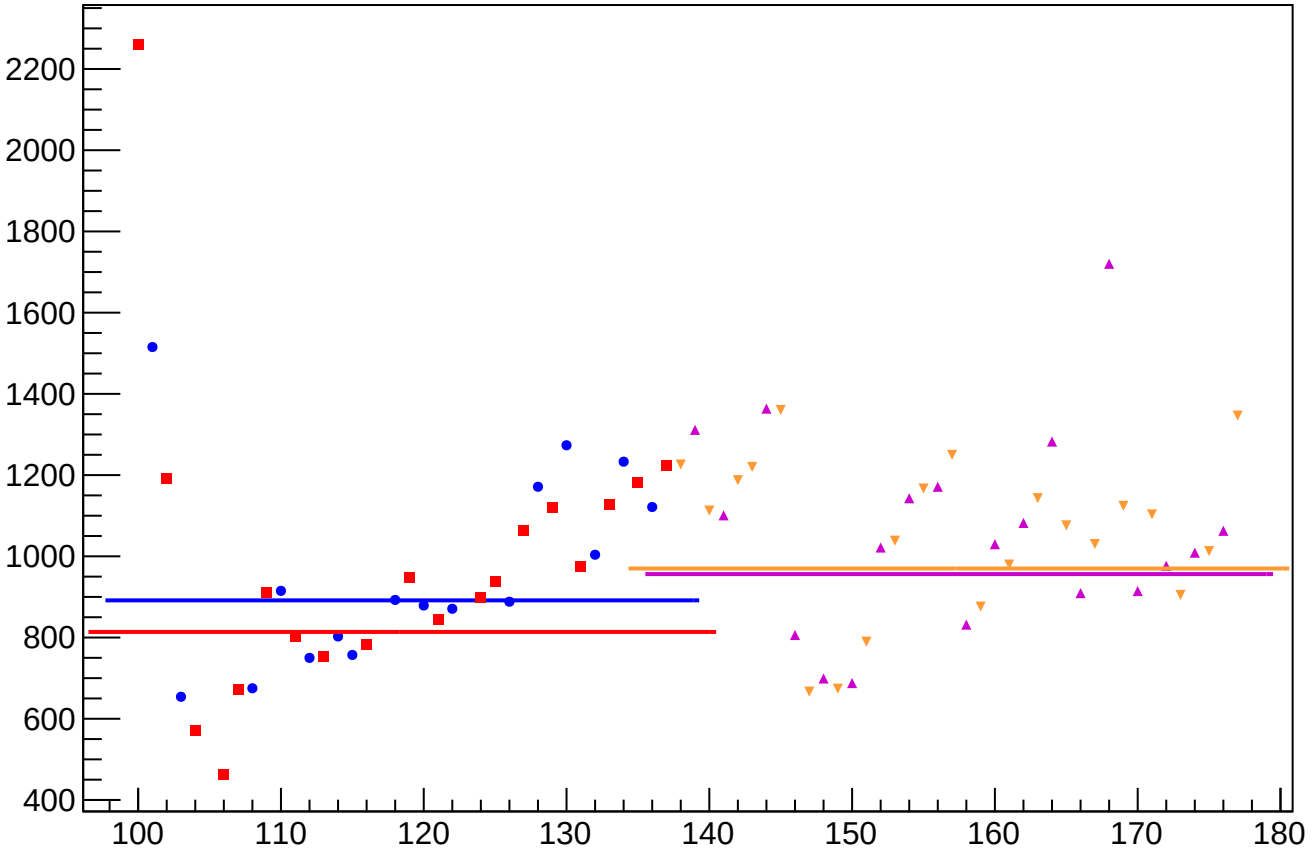
Left In: -103.028+/-249.818 χ^2/NDF:10.4/18

+ sign -133.882+/-199.454 χ^2/NDF: 43.7/36

All: -48.765+/-139.767 χ^2/NDF: 72.5/74

- sign 33.357+/-195.914 χ^2/NDF: 28.4/37

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 970.003+/-0.173 χ^2/NDF:1465940.0/20

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

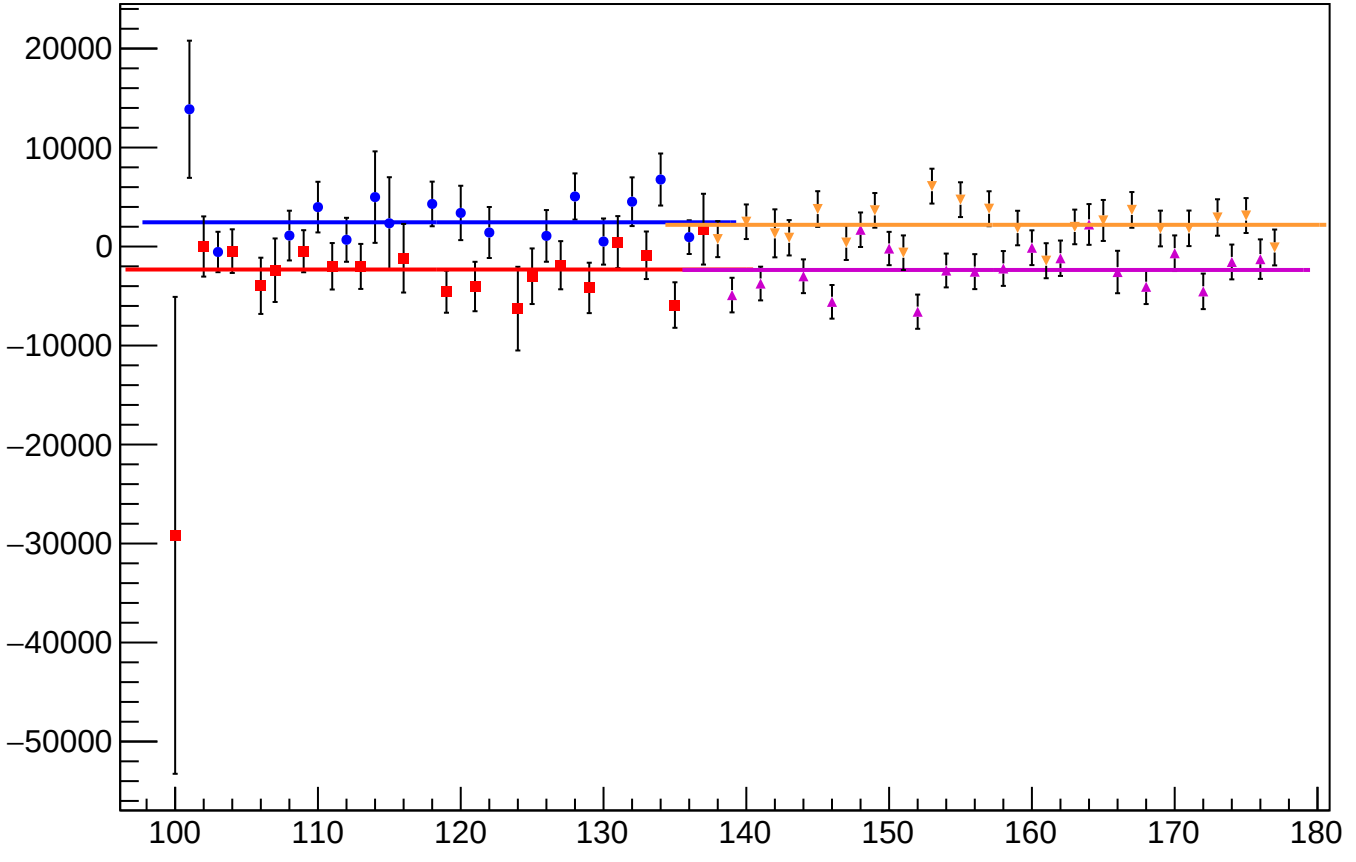
Left In: 956.244+/-0.177 χ^2/NDF:1490658.5/18

+ sign 943.530+/-0.141 χ^2/NDF: 2328802.0/36

All: 922.092+/-0.099 χ^2/NDF: 5168158.7/74

- sign 901.408+/-0.139 χ^2/NDF: 2793958.0/37

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2194.412+/-394.561 χ^2/NDF:21.4/20

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

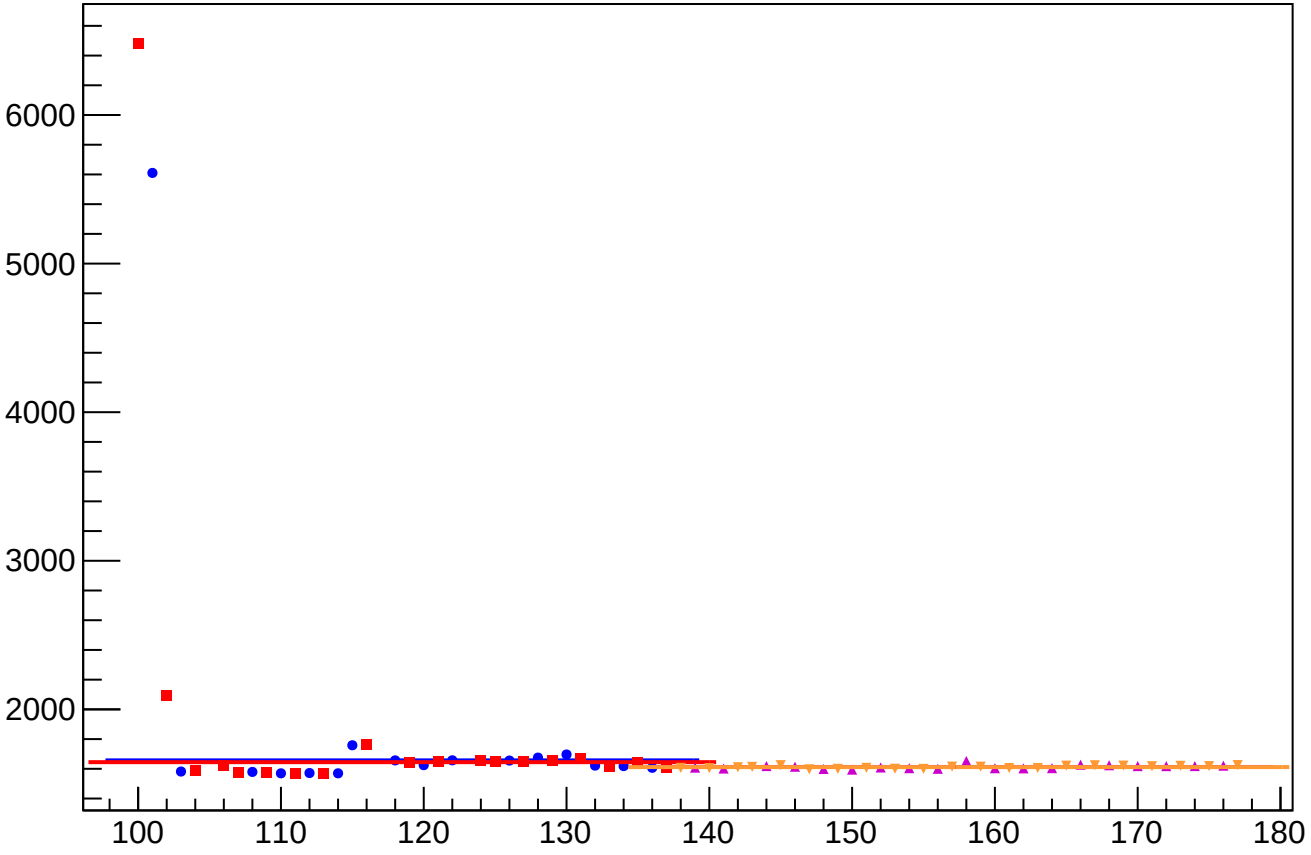
Left In: -2365.647+/-408.993 χ^2/NDF:30.4/18

+ sign 2266.210+/-334.428 χ^2/NDF: 35.4/36

All: -6.992+/-238.299 χ^2/NDF: 171.7/74

- sign -2351.658+/-339.645 χ^2/NDF: 42.5/37

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1611.550+/-0.279 χ^2/NDF:1042.7/20

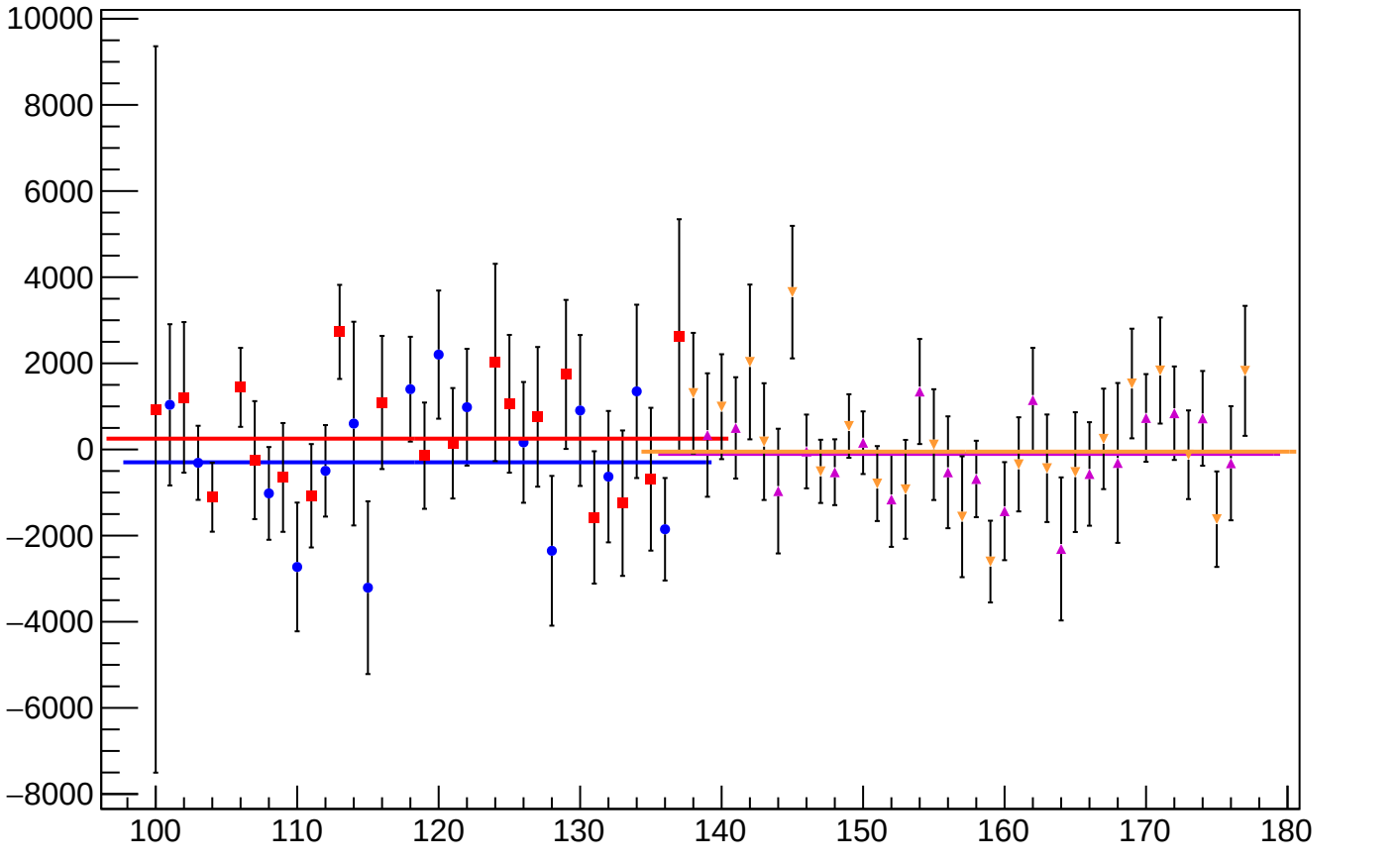
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

+ sign 1624.259+/-0.236 χ^2/NDF: 674637.2/36

All: 1623.344+/-0.169 χ^2/NDF: 817129.3/74

- sign 1622.402+/-0.240 χ^2/NDF: 142461.7/37



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -50.428+/-245.024 χ^2/NDF:27.4/20

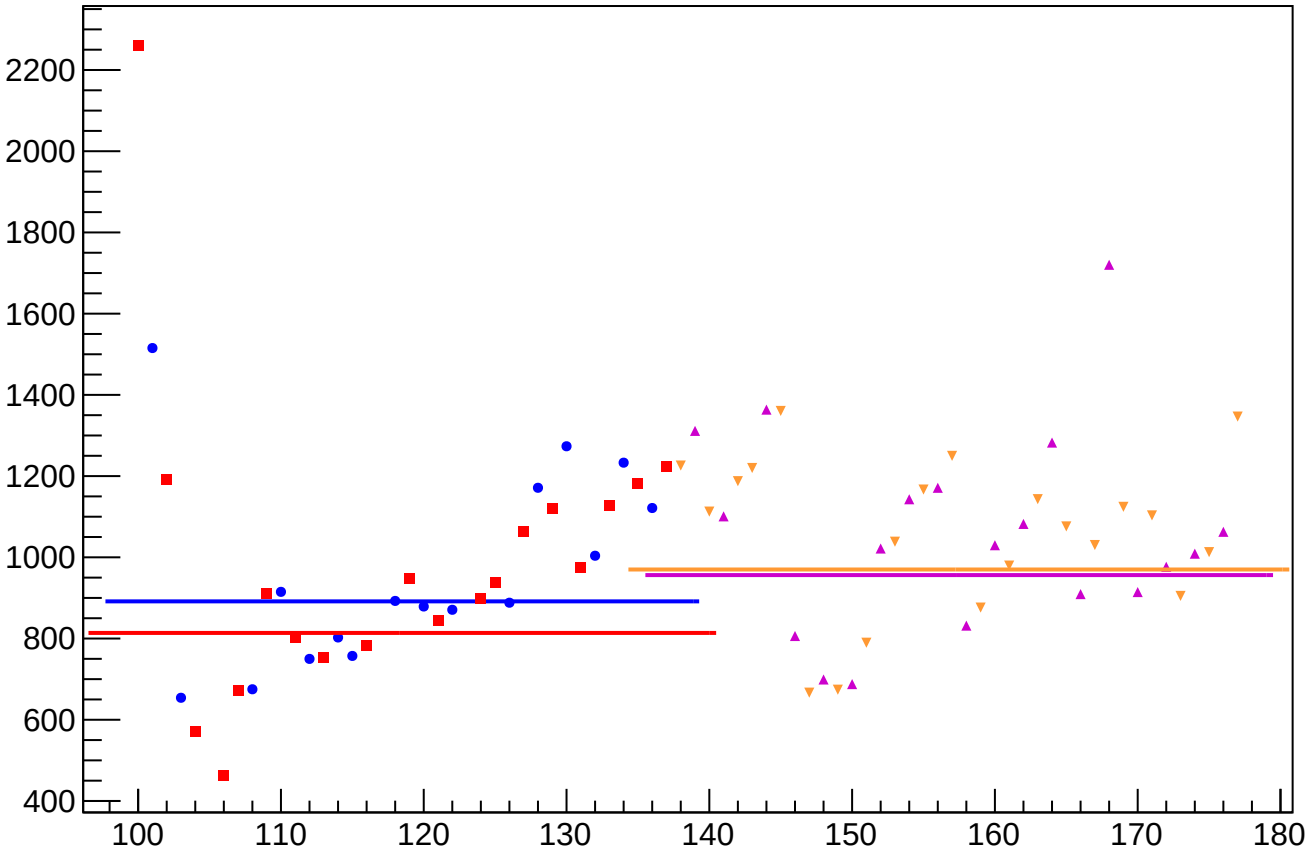
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -103.028+/-249.818 χ^2/NDF:10.4/18

+ sign -133.882+/-199.454 χ^2/NDF: 43.7/36

All: -48.765+/-139.767 χ^2/NDF: 72.5/74

- sign 33.357+/-195.914 χ^2/NDF: 28.4/37



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 970.003+/-0.173 χ^2/NDF:1465940.0/20

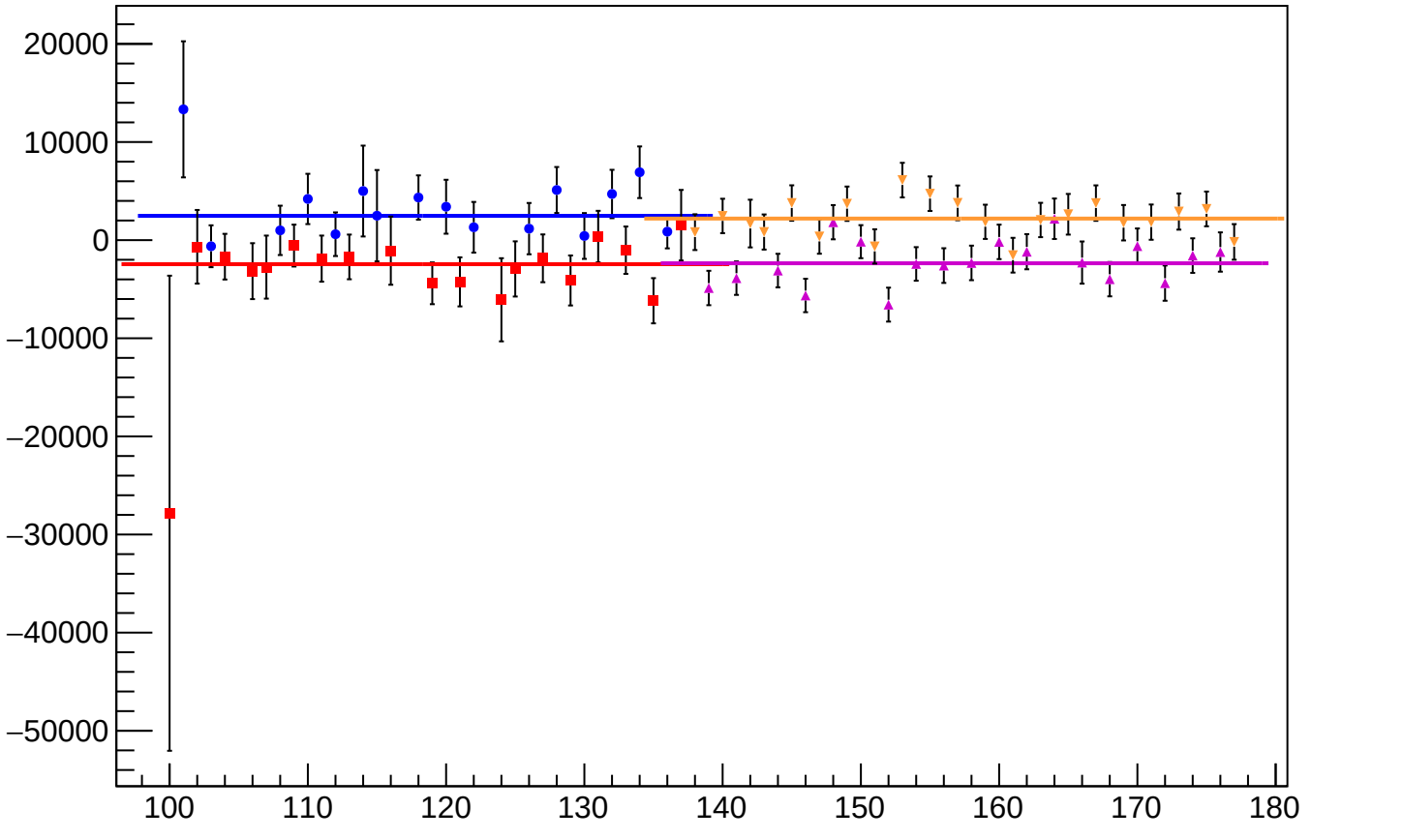
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 956.244+/-0.177 χ^2/NDF:1490658.5/18

+ sign 943.530+/-0.141 χ^2/NDF: 2328802.0/36

All: 922.092+/-0.099 χ^2/NDF: 5168158.7/74

- sign 901.408+/-0.139 χ^2/NDF: 2793958.0/37



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2198.696+/-395.185 χ^2/NDF:21.9/20

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

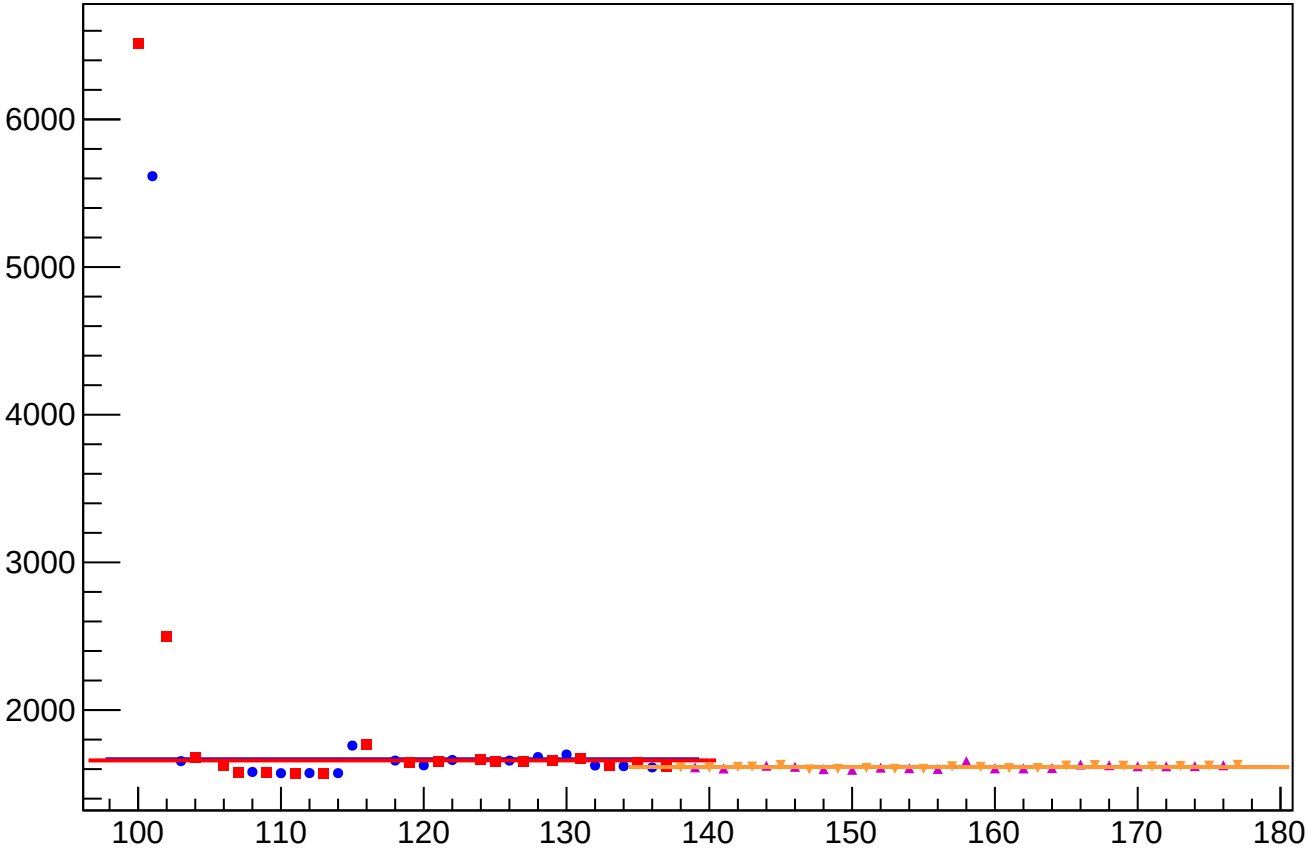
Left In: -2356.869+/-409.539 χ^2/NDF:30.6/18

+ sign 2276.097+/-335.349 χ^2/NDF: 36.2/36

All: -13.448+/-239.205 χ^2/NDF: 172.3/74

- sign -2385.028+/-341.304 χ^2/NDF: 41.2/37

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.089+/-0.279 χ^2/NDF:1184.2/20

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

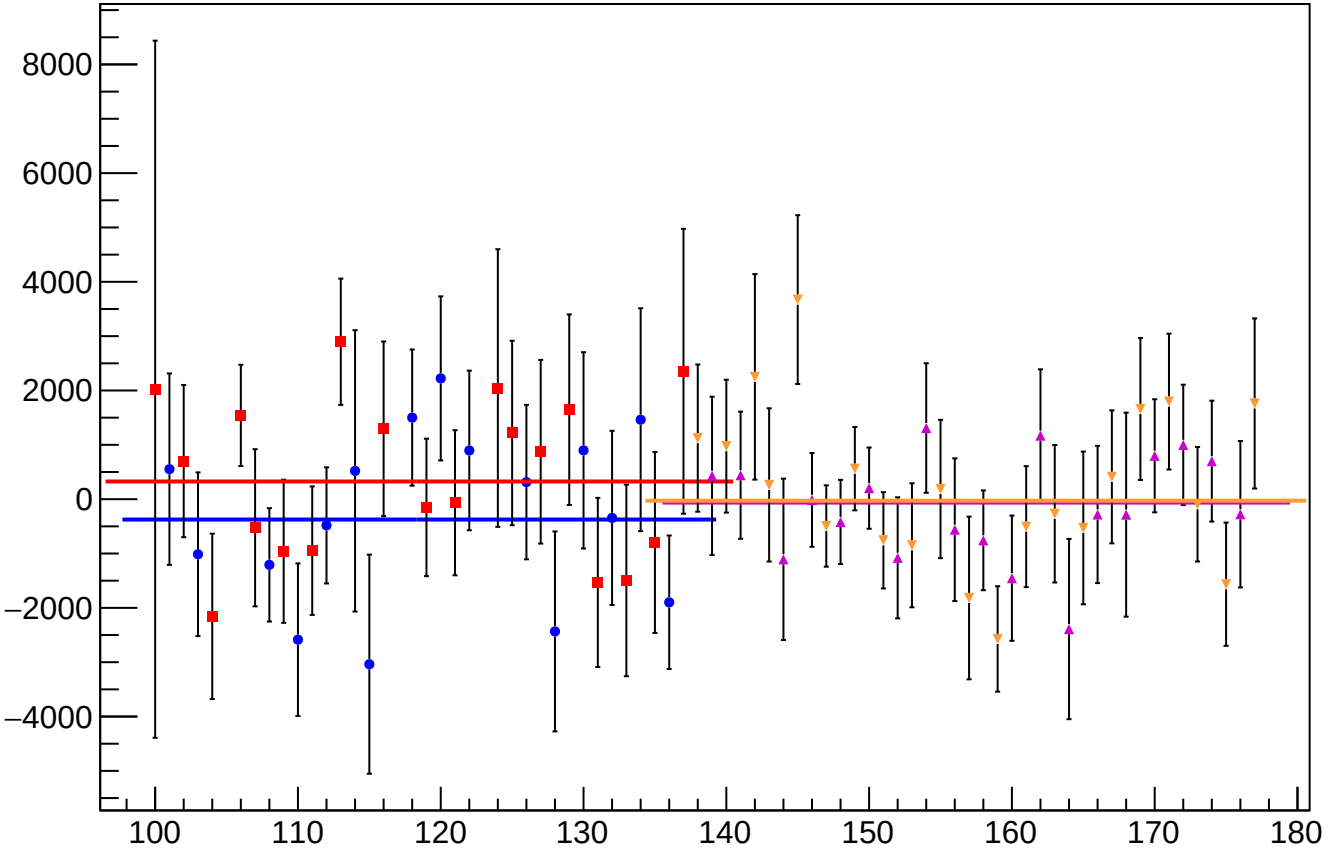
Left In: 1614.490+/-0.290 χ^2/NDF:2185.1/18

+ sign 1628.731+/-0.237 χ^2/NDF: 673907.3/36

All: 1628.415+/-0.169 χ^2/NDF: 876537.4/74

- sign 1628.088+/-0.241 χ^2/NDF: 202626.5/37

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -28.044+/-250.112 χ^2/NDF:26.5/20

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

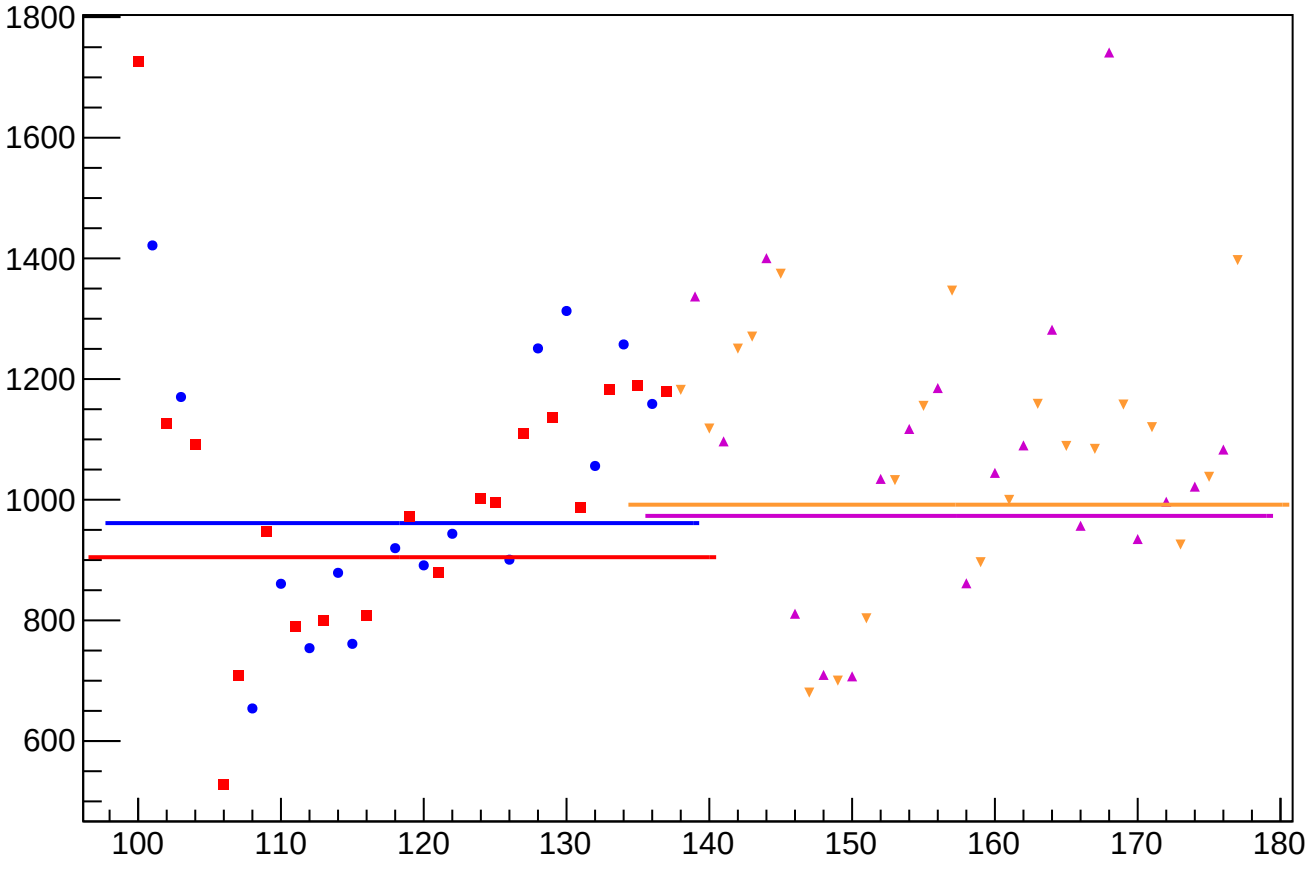
Left In: -62.572+/-253.774 χ^2/NDF:10.6/18

+ sign -137.566+/-206.848 χ^2/NDF: 42.8/36

All: -29.038+/-145.066 χ^2/NDF: 72.2/74

- sign 76.009+/-203.503 χ^2/NDF: 28.8/37

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 991.762+/-0.177 χ^2/NDF:1445918.9/20

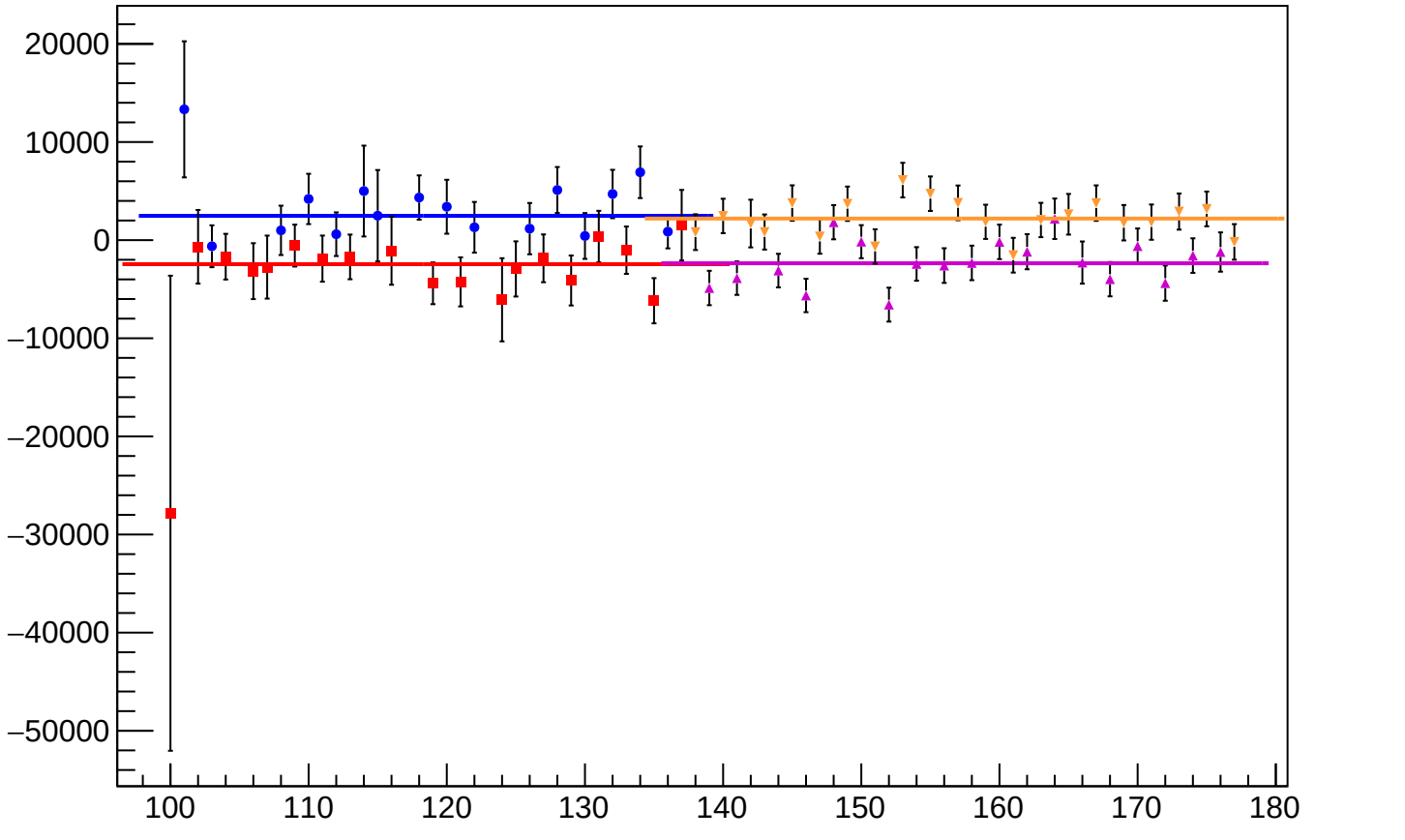
Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 973.206+/-0.179 χ^2/NDF:1435957.9/18

+ sign 982.117+/-0.146 χ^2/NDF: 2147205.5/36

All: 965.170+/-0.103 χ^2/NDF: 4398035.7/74

- sign 948.766+/-0.144 χ^2/NDF: 2224410.7/37



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2198.696+/-395.185 χ^2/NDF:21.9/20

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

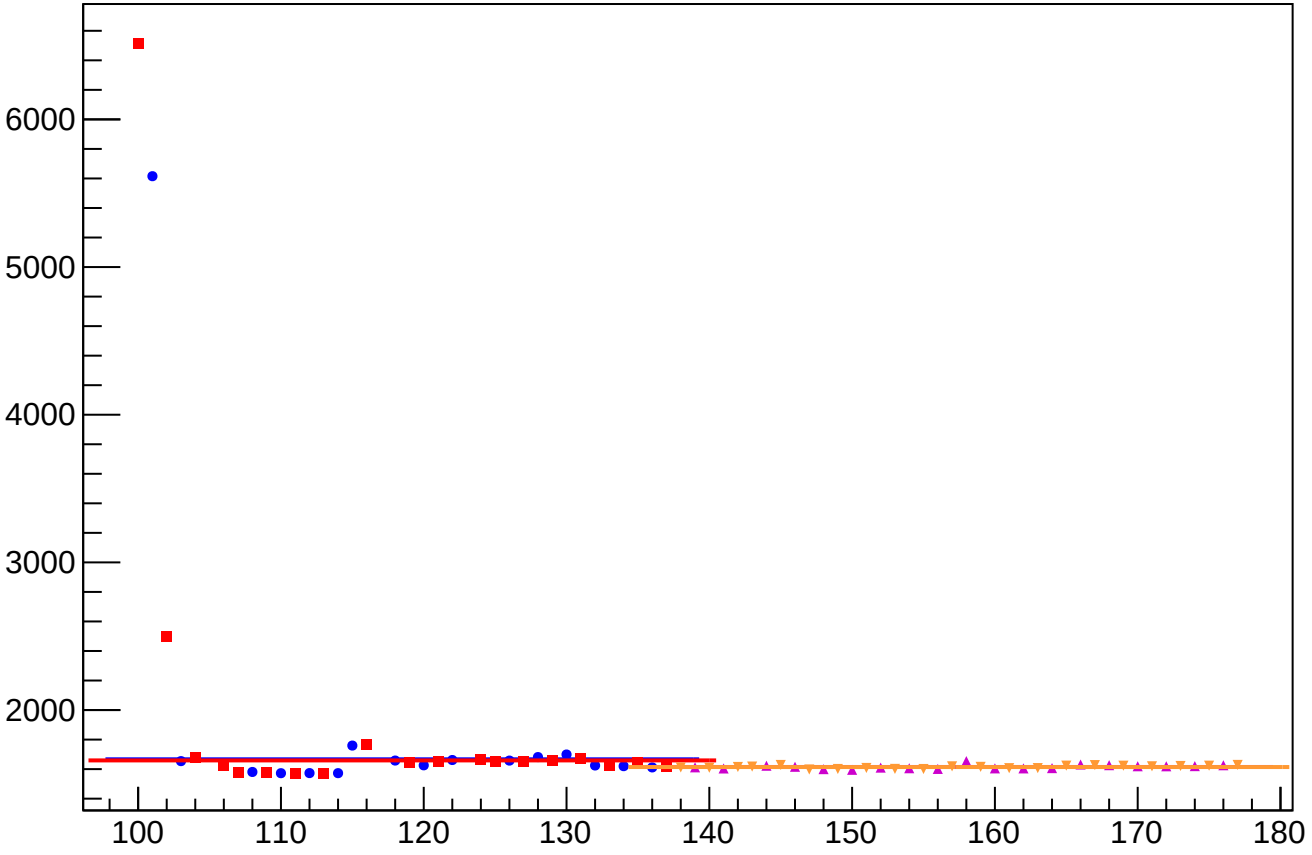
Left In: -2356.869+/-409.539 χ^2/NDF:30.6/18

+ sign 2276.097+/-335.349 χ^2/NDF: 36.2/36

All: -13.448+/-239.205 χ^2/NDF: 172.3/74

- sign -2385.028+/-341.304 χ^2/NDF: 41.2/37

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.089+/-0.279 χ^2/NDF:1184.2/20

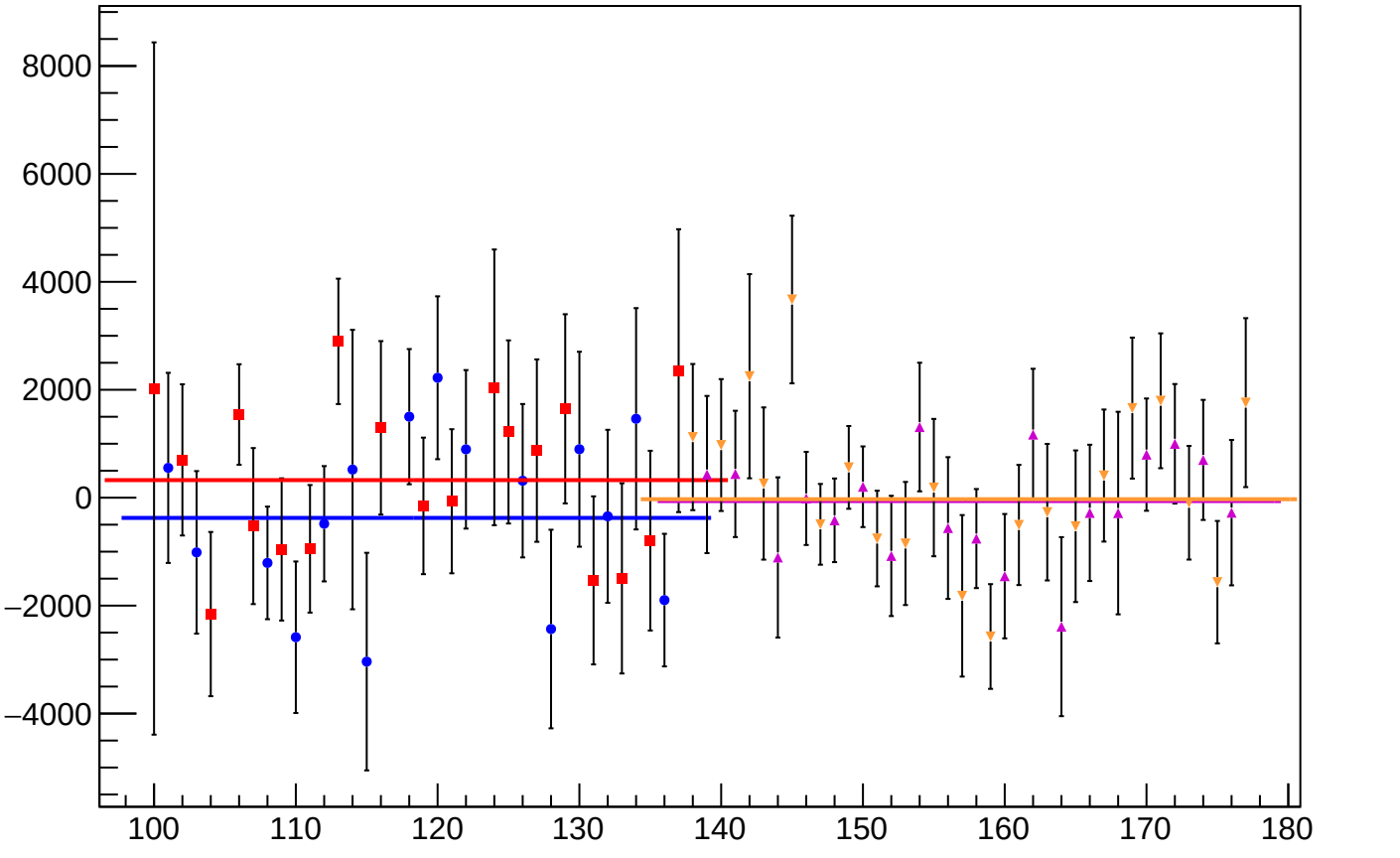
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1614.490+/-0.290 χ^2/NDF:2185.1/18

\+ sign 1628.731+/-0.237 χ^2/NDF: 673907.3/36

All: 1628.415+/-0.169 χ^2/NDF: 876537.2/74

\- sign 1628.088+/-0.241 χ^2/NDF: 202626.3/37



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -28.046+/-250.112 χ^2/NDF:26.5/20

Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

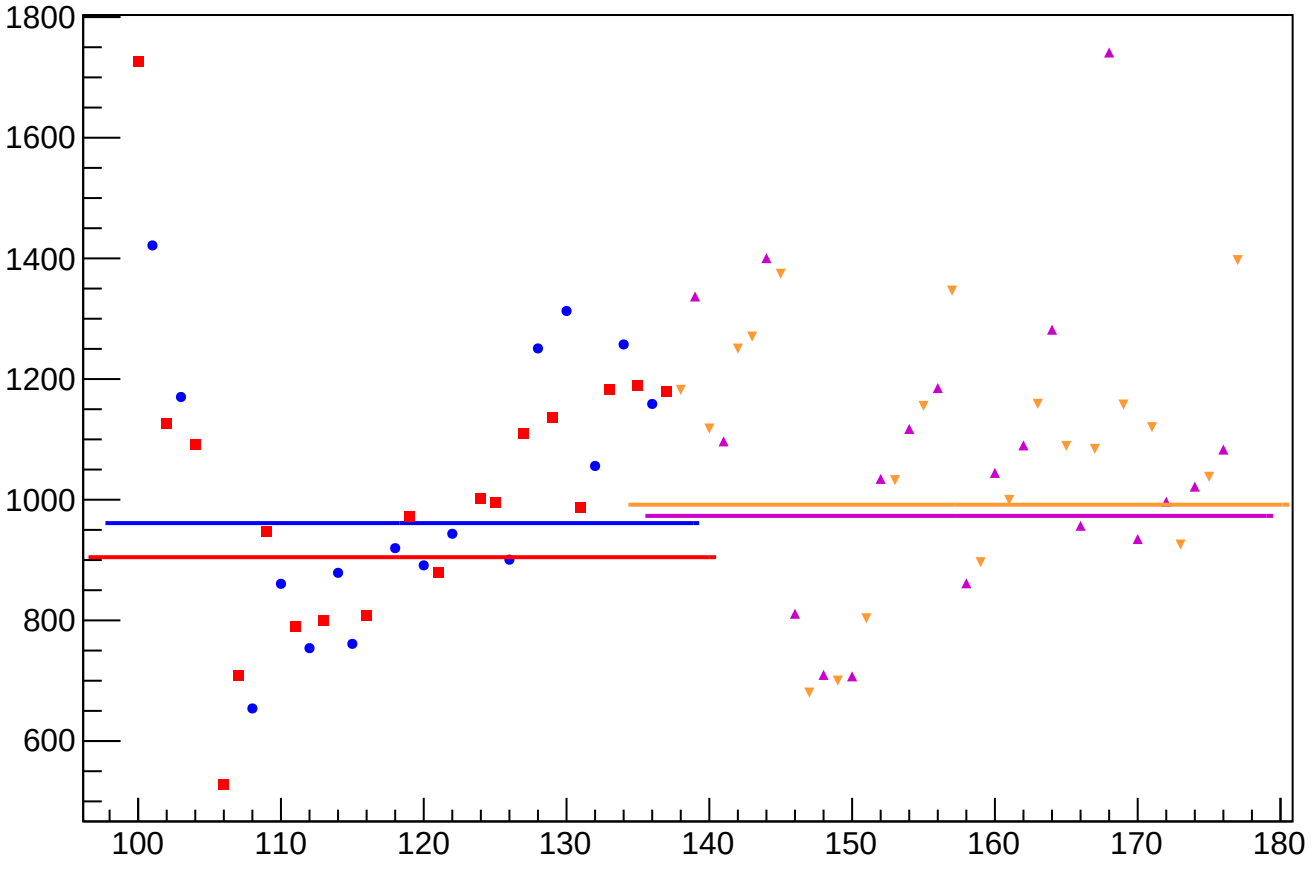
Left In: -62.573+/-253.774 χ^2/NDF:10.6/18

+ sign -137.567+/-206.848 χ^2/NDF: 42.8/36

All: -29.038+/-145.066 χ^2/NDF: 72.2/74

- sign 76.009+/-203.503 χ^2/NDF: 28.8/37

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 991.764+/-0.177 χ^2/NDF:1445921.6/20

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

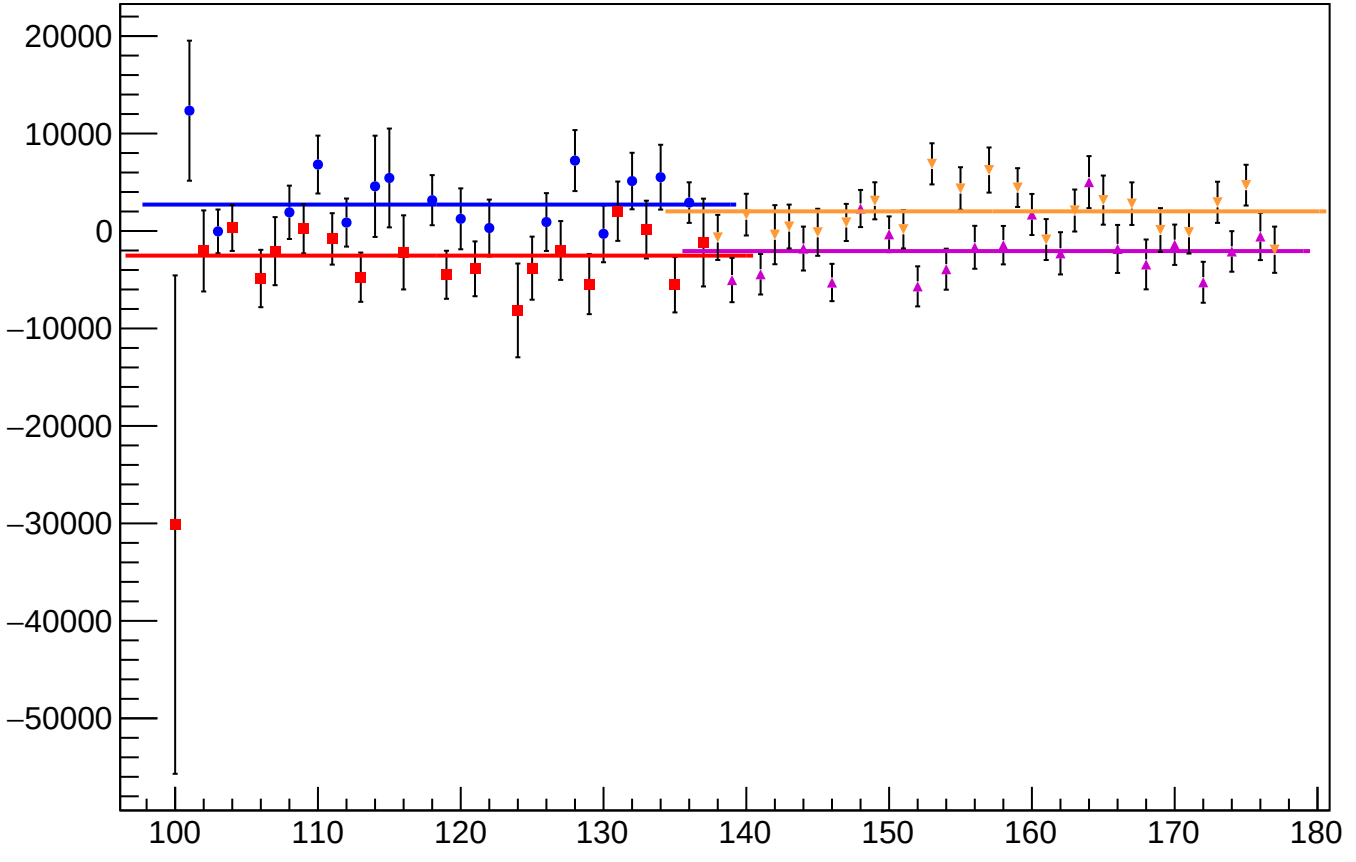
Left In: 973.208+/-0.179 χ^2/NDF:1435961.2/18

+ sign 982.117+/-0.146 χ^2/NDF: 2147219.9/36

All: 965.170+/-0.103 χ^2/NDF: 4398057.6/74

- sign 948.766+/-0.144 χ^2/NDF: 2224418.4/37

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2015.739+/-475.892 χ^2/NDF:24.7/20

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

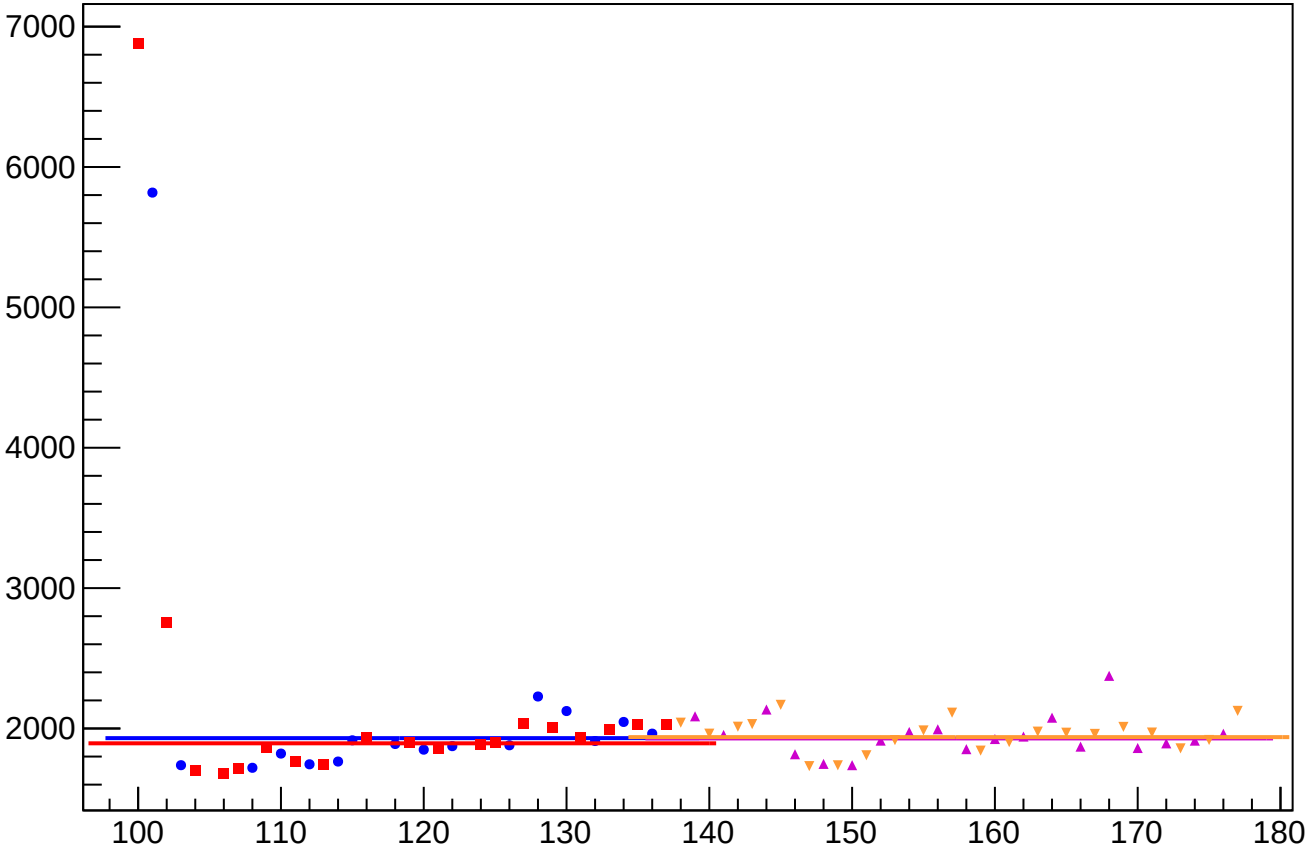
Left In: -2058.873+/-490.813 χ^2/NDF:29.3/18

+ sign 2221.192+/-399.484 χ^2/NDF: 37.4/36

All: 25.053+/-283.740 χ^2/NDF: 141.3/74

- sign -2210.796+/-403.079 χ^2/NDF: 42.9/37

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1938.423+/-0.337 χ^2/NDF:118493.8/20

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

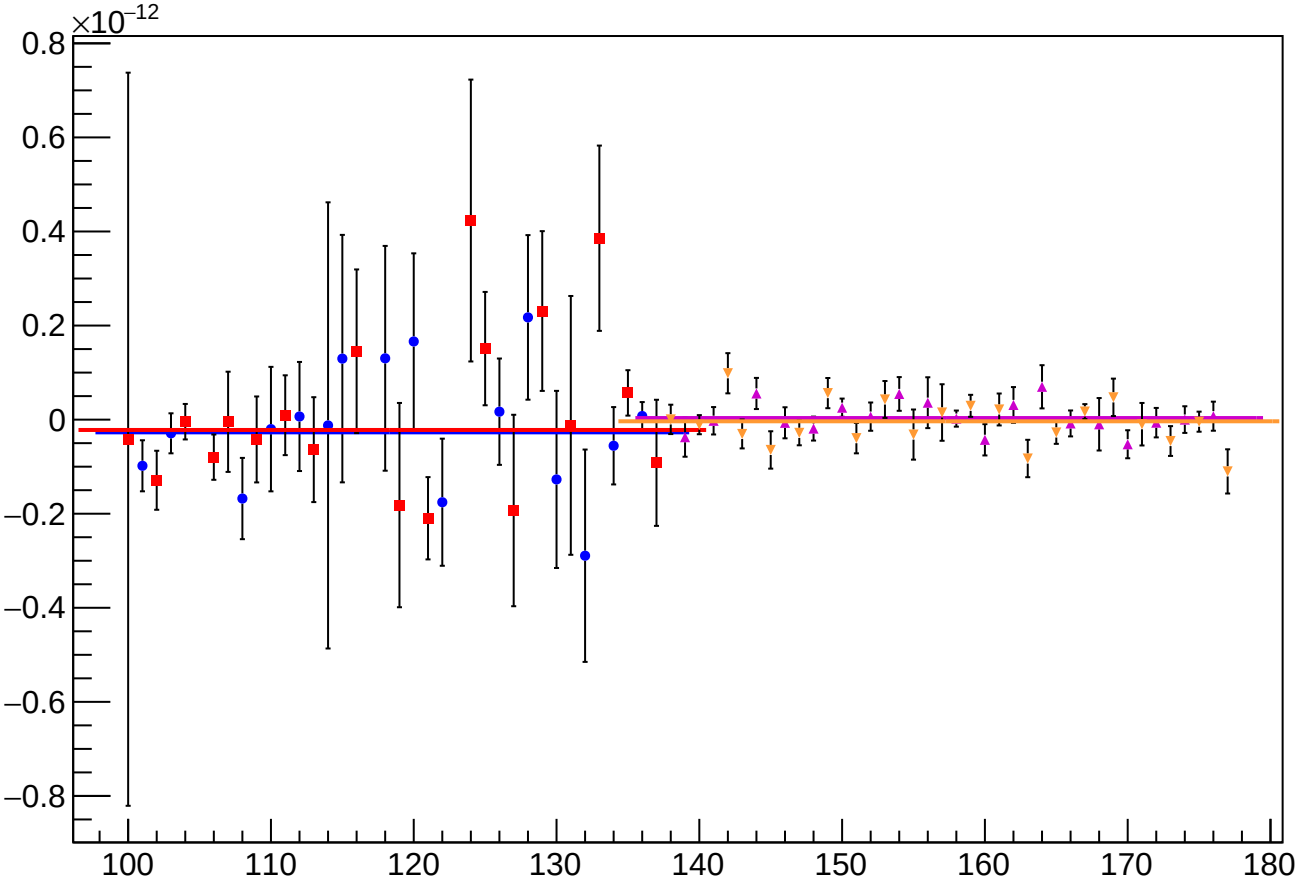
Left In: 1929.160+/-0.347 χ^2/NDF:150409.0/18

+ sign 1936.304+/-0.282 χ^2/NDF: 779855.0/36

All: 1927.148+/-0.201 χ^2/NDF: 1156200.6/74

- sign 1917.827+/-0.285 χ^2/NDF: 374225.4/37

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:34.0/20

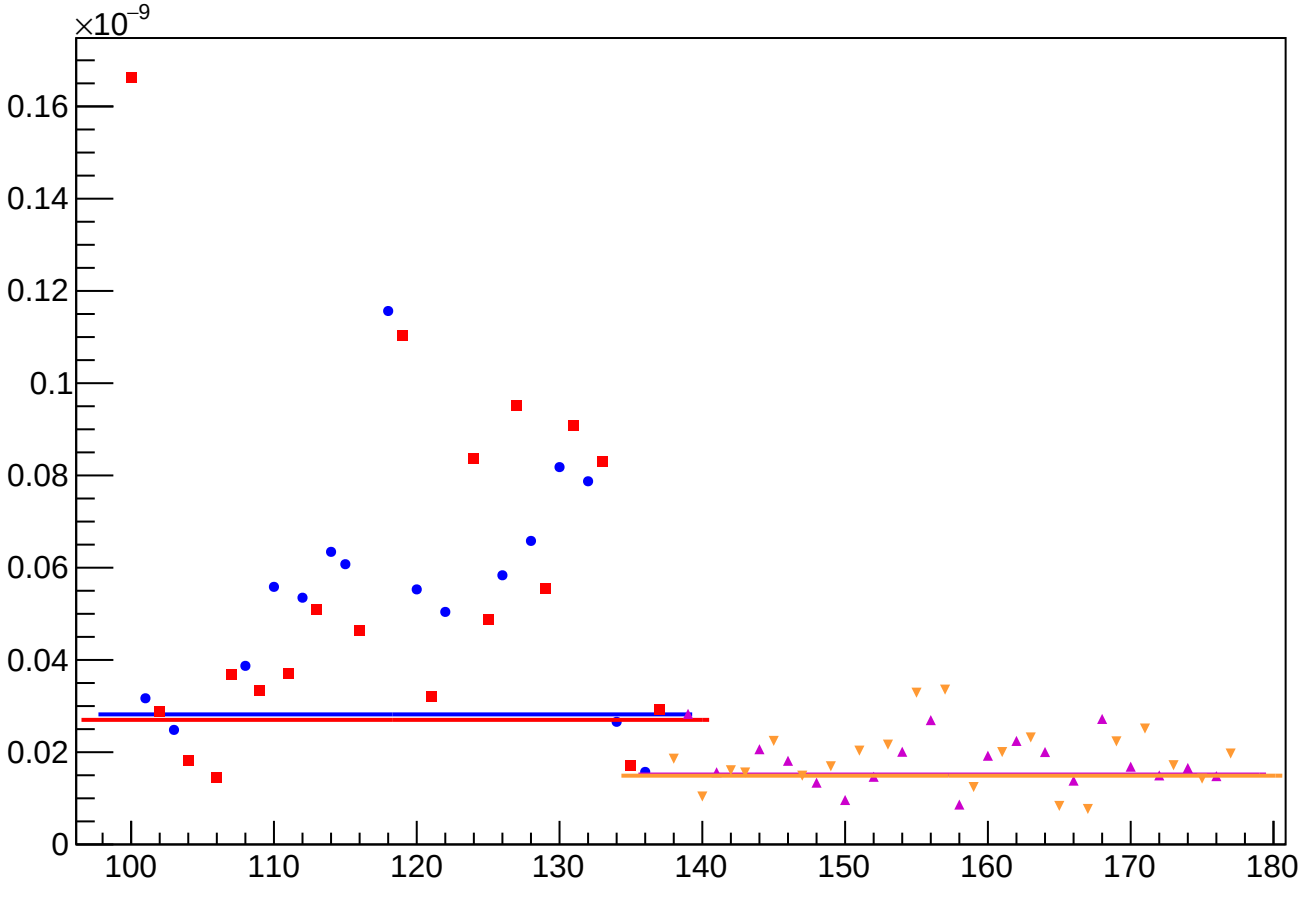
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 48.2/36

All: -0.000+/-0.000 χ^2/NDF: 92.1/74

- sign 0.000+/-0.000 χ^2/NDF: 43.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1666668.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

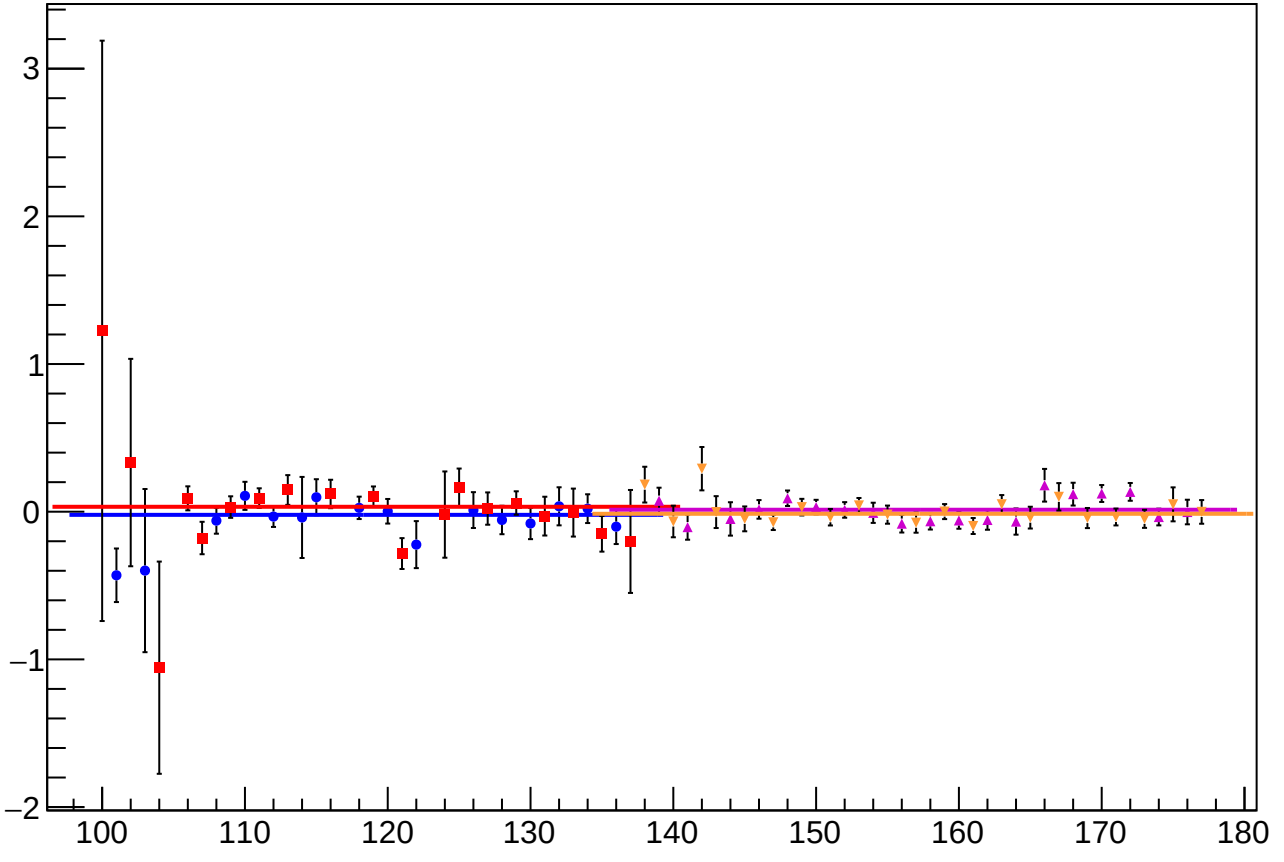
Left In: 0.000+/-0.000 χ^2/NDF:1104104.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4021153.5/36

All: 0.000+/-0.000 χ^2/NDF: 7348900.8/74

- sign 0.000+/-0.000 χ^2/NDF: 3326700.4/37

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: -0.014+/-0.015 χ^2/NDF:17.6/20

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

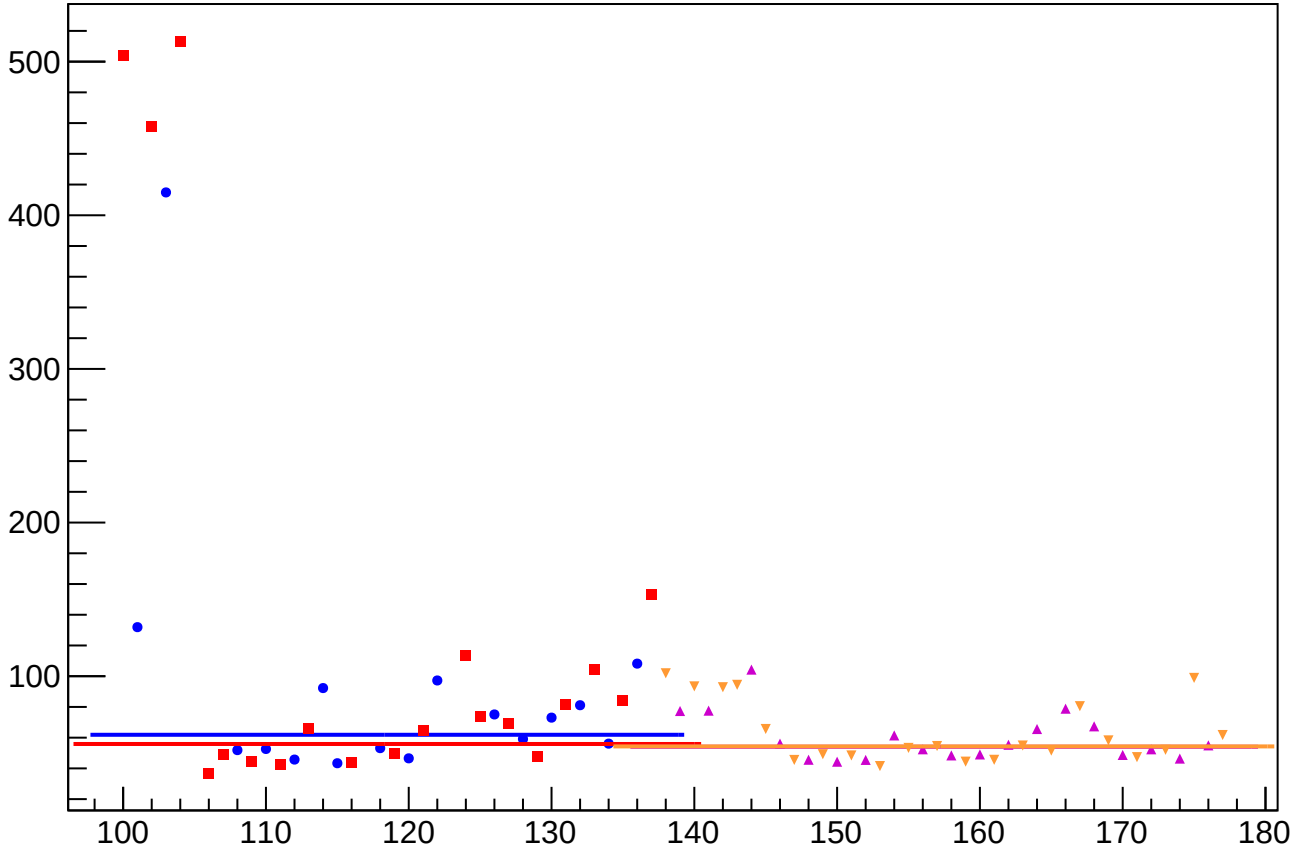
Left In: 0.013+/-0.015 χ^2/NDF:25.7/18

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/36

All: 0.002+/-0.009 χ^2/NDF: 83.8/74

- sign 0.019+/-0.013 χ^2/NDF: 50.5/37

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: 54.310+/-0.010 χ^2/NDF:1897850.5/20

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

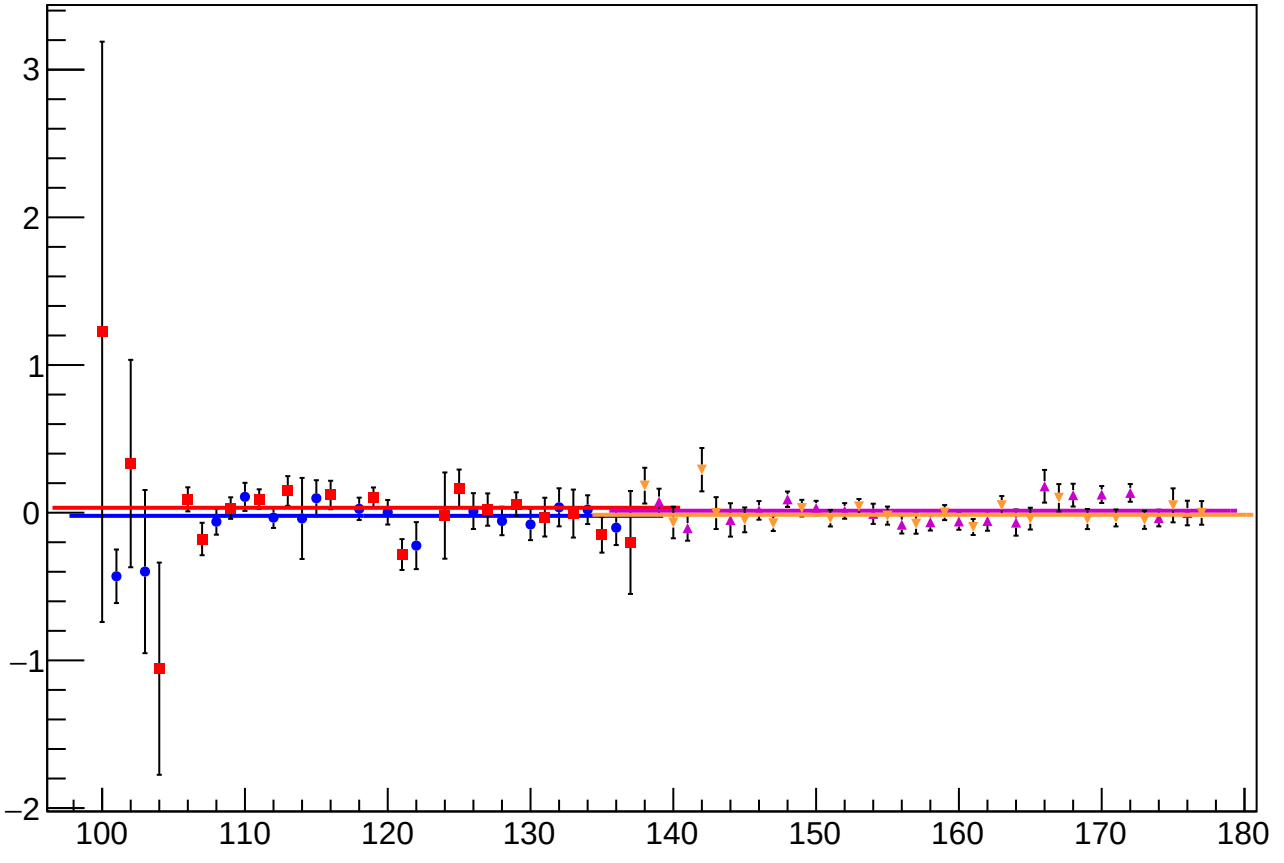
Left In: 54.077+/-0.011 χ^2/NDF:1182180.8/18

+ sign 56.088+/-0.009 χ^2/NDF: 3959981.4/36

All: 55.319+/-0.006 χ^2/NDF: 7755510.5/74

- sign 54.564+/-0.009 χ^2/NDF: 3781380.2/37

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: -0.014+/-0.015 χ^2/NDF:17.6/20

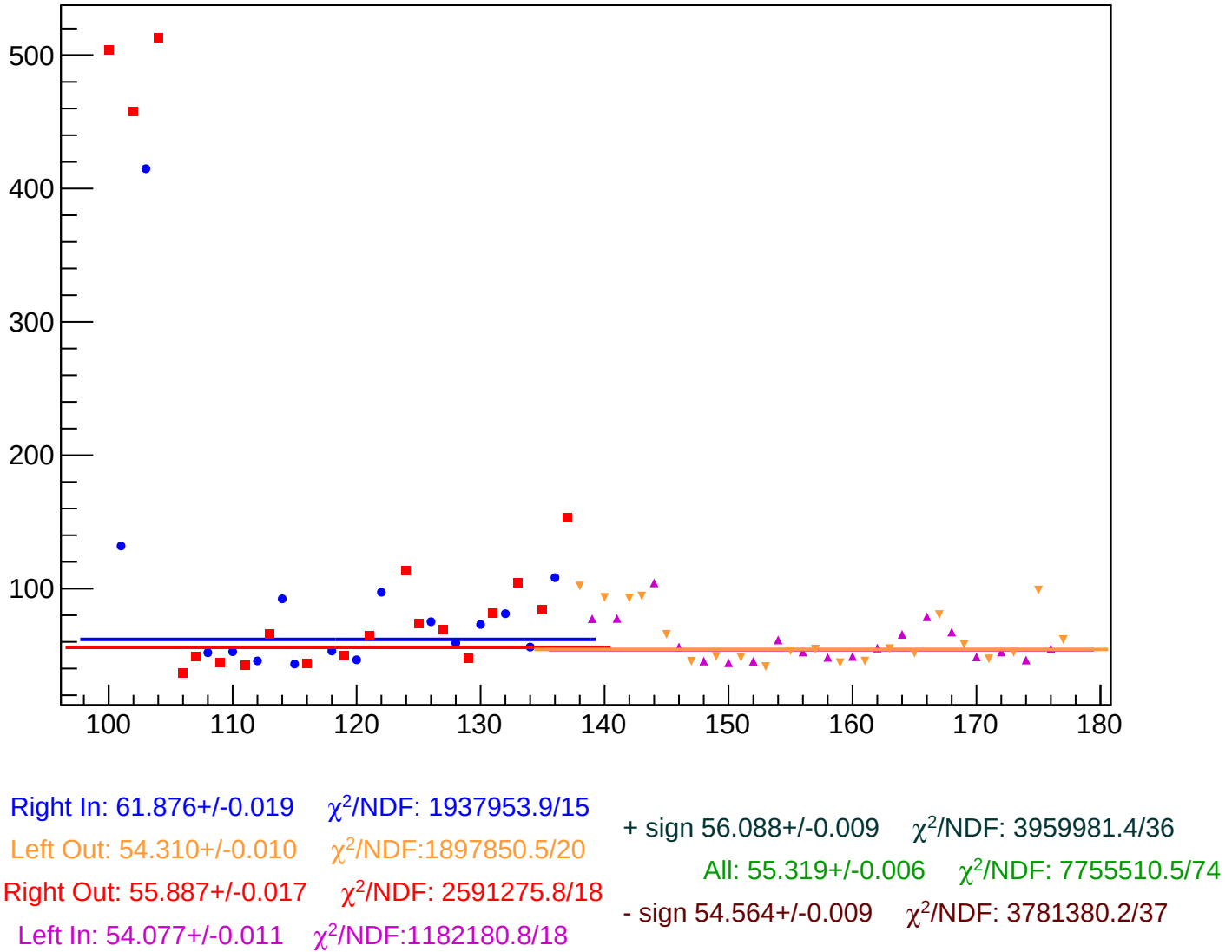
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.013+/-0.015 χ^2/NDF:25.7/18

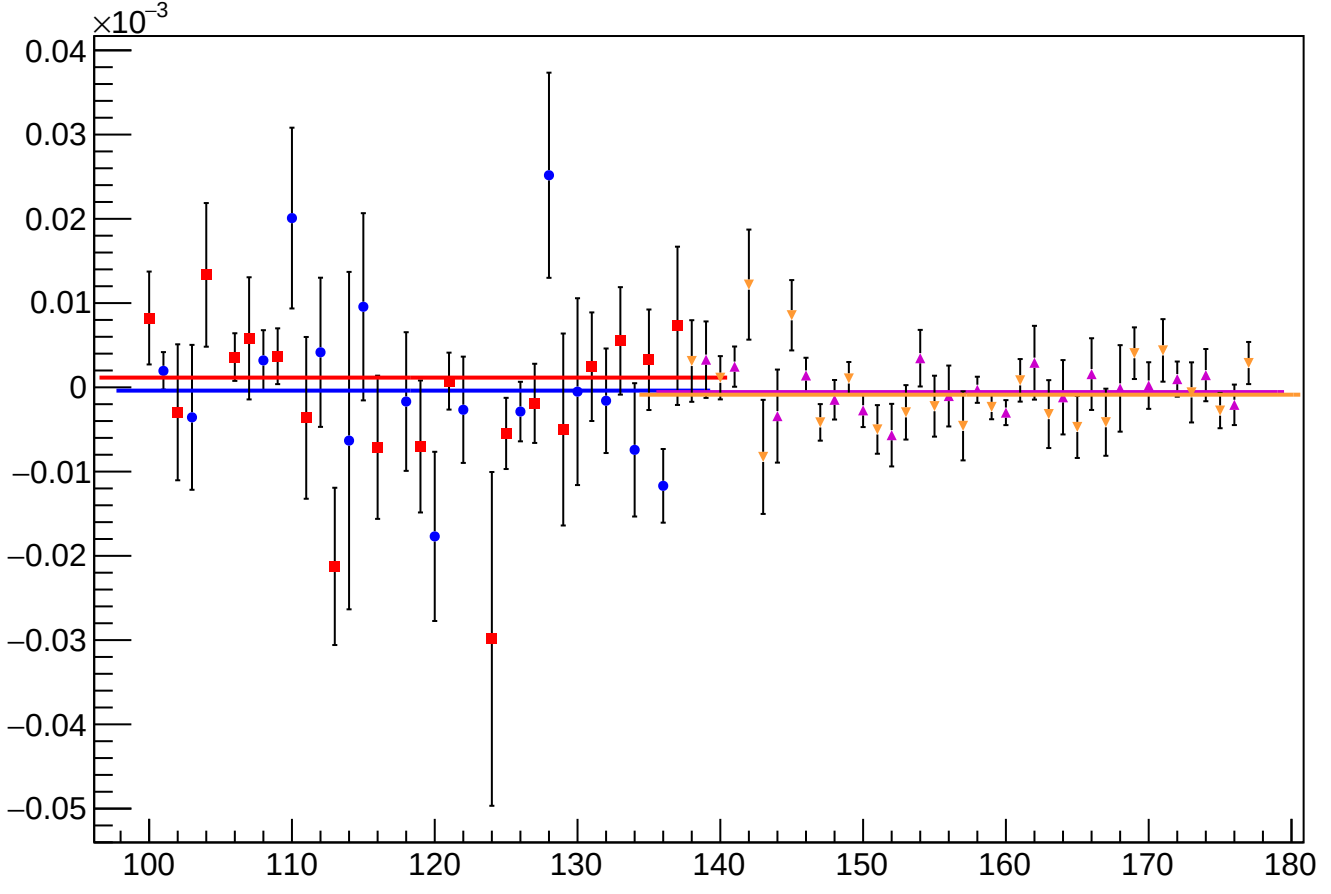
+ sign -0.016+/-0.013 χ^2/NDF: 29.7/36

All: 0.002+/-0.009 χ^2/NDF: 83.8/74

- sign 0.019+/-0.013 χ^2/NDF: 50.5/37


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
Left Out: 54.310+/-0.010 χ²/NDF:1897850.5/20
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 54.077+/-0.011 χ²/NDF:1182180.8/18
+ sign 56.088+/-0.009 χ²/NDF: 3959981.4/36
All: 55.319+/-0.006 χ²/NDF: 7755510.5/74
- sign 54.564+/-0.009 χ²/NDF: 3781380.2/37

asym_usr_atr1_avg_eigen_dit_vs_dit_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:29.5/20

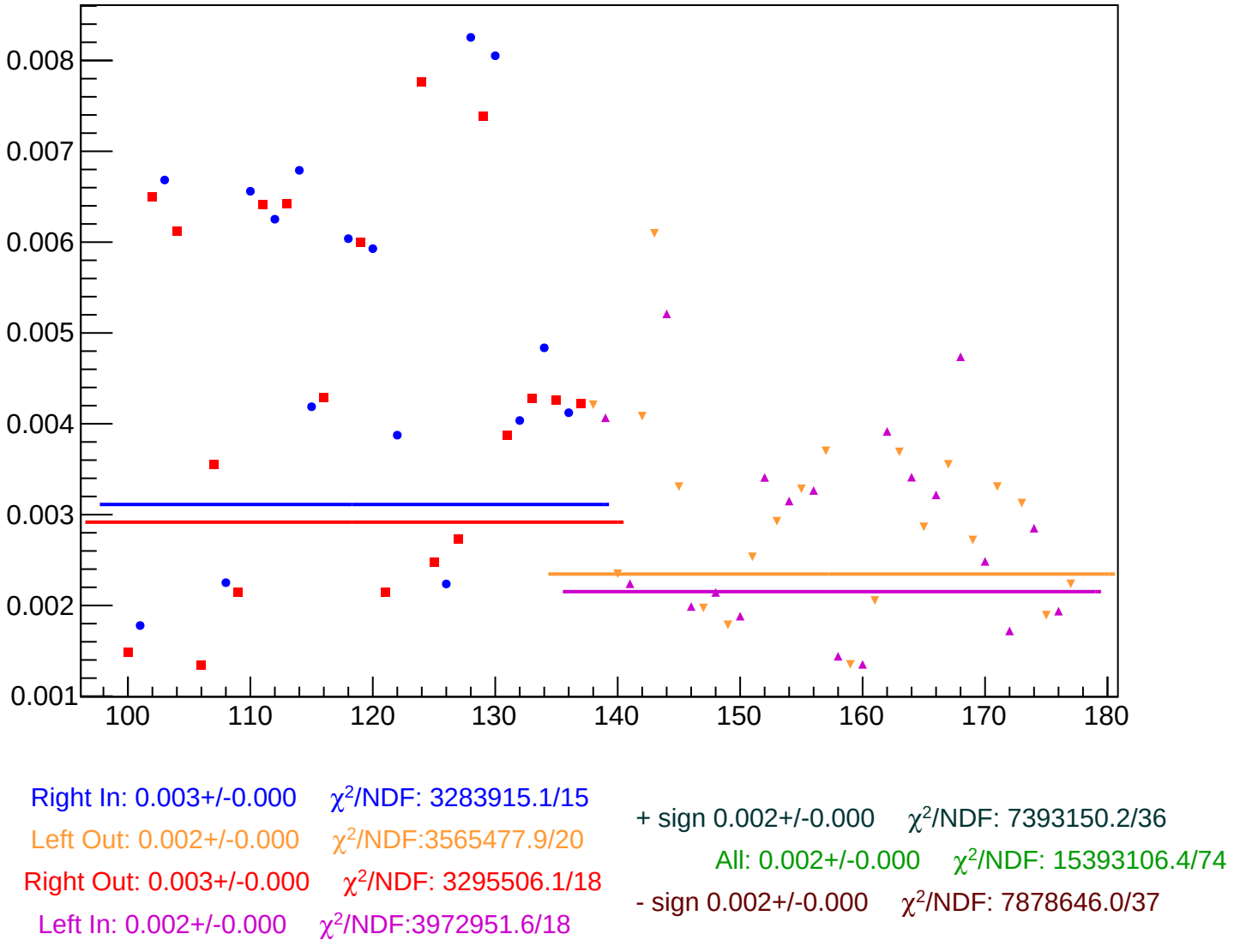
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/18

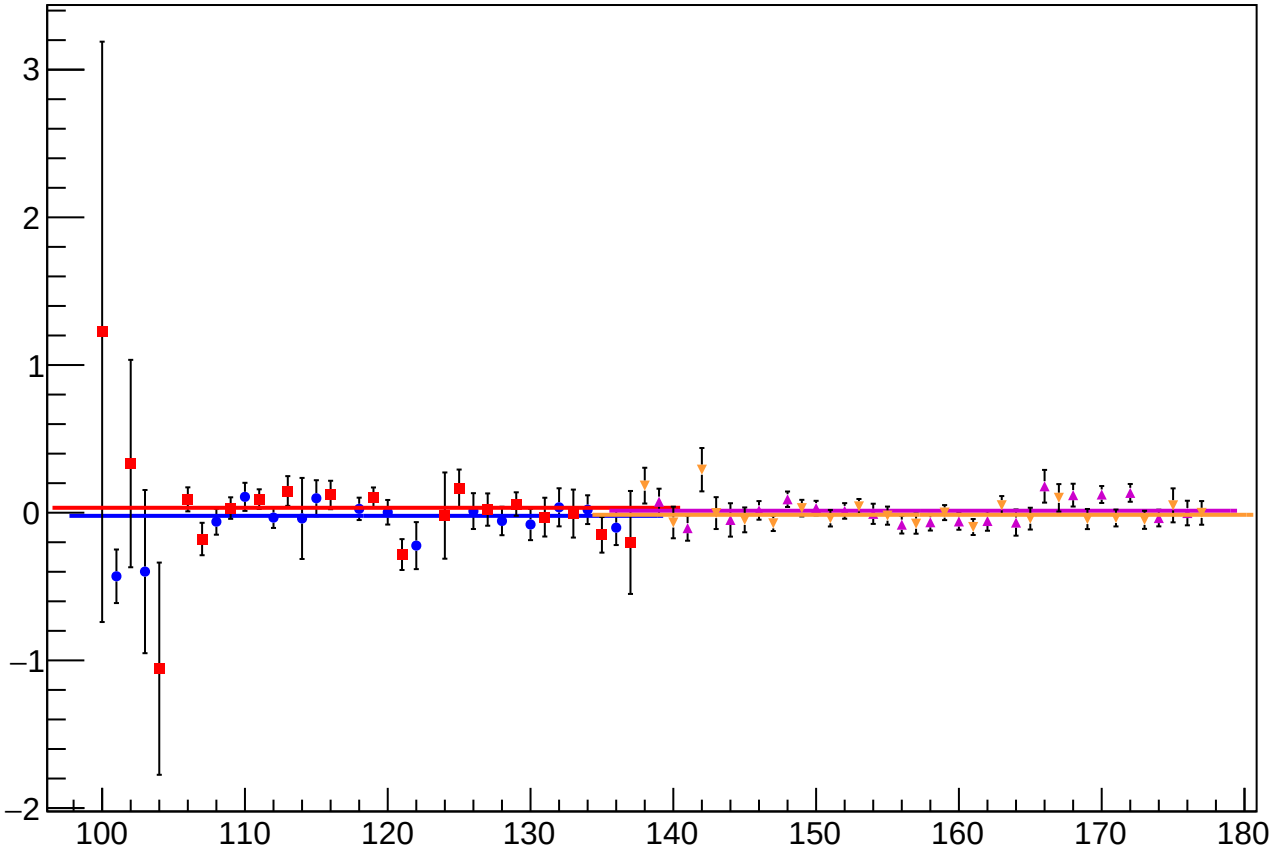
+ sign -0.000+/-0.000 χ^2/NDF: 52.1/36

All: -0.000+/-0.000 χ^2/NDF: 87.8/74

- sign -0.000+/-0.000 χ^2/NDF: 35.2/37


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 3283915.1/15
Left Out: 0.002+/-0.000 χ²/NDF:3565477.9/20
Right Out: 0.003+/-0.000 χ²/NDF: 3295506.1/18
Left In: 0.002+/-0.000 χ²/NDF:3972951.6/18
+ sign 0.002+/-0.000 χ²/NDF: 7393150.2/36
All: 0.002+/-0.000 χ²/NDF: 15393106.4/74
- sign 0.002+/-0.000 χ²/NDF: 7878646.0/37

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: -0.014+/-0.015 χ^2/NDF:17.6/20

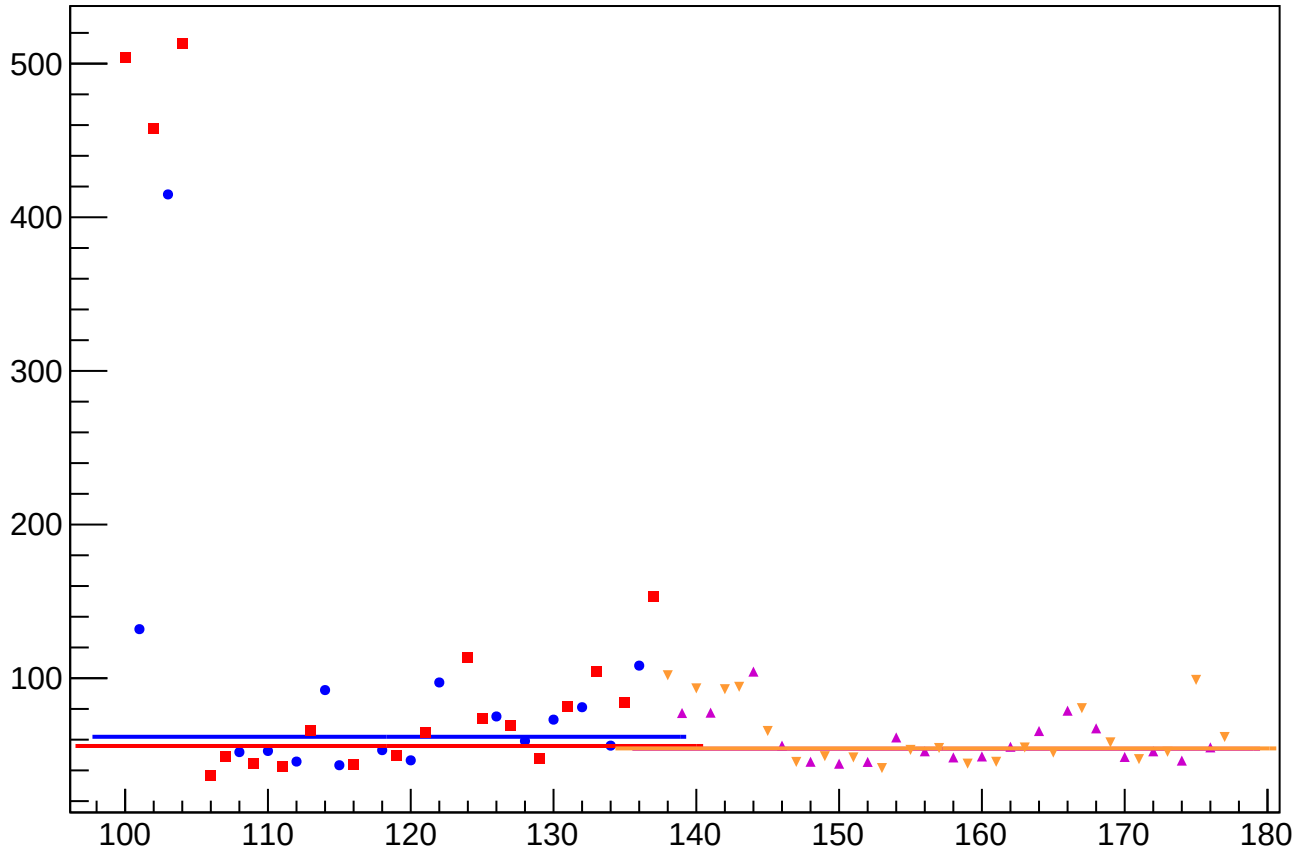
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.013+/-0.015 χ^2/NDF:25.7/18

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/36

All: 0.002+/-0.009 χ^2/NDF: 83.8/74

- sign 0.019+/-0.013 χ^2/NDF: 50.5/37



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.311+/-0.010 χ^2/NDF:1897908.6/20

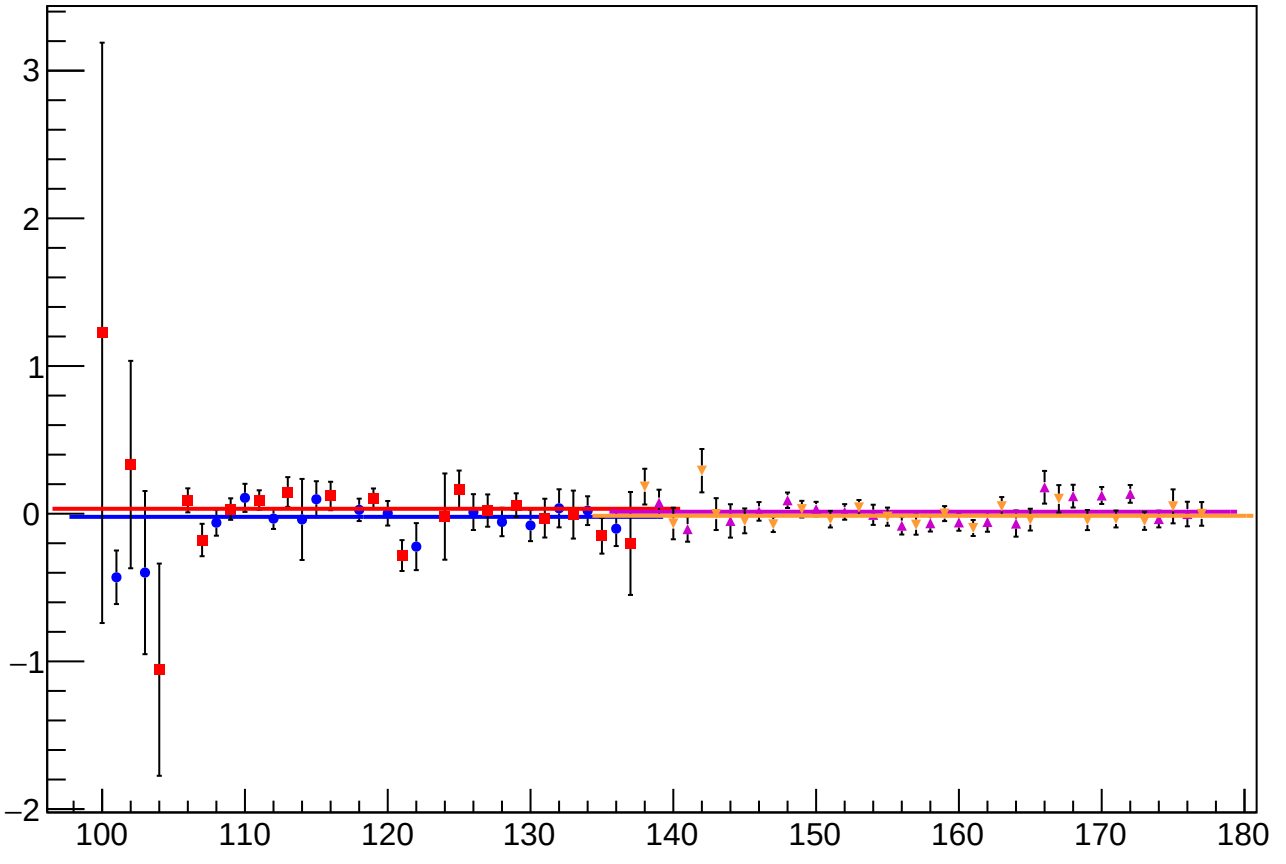
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.2/18

+ sign 56.088+/-0.009 χ^2/NDF: 3959964.3/36

All: 55.319+/-0.006 χ^2/NDF: 7755444.9/74

- sign 54.564+/-0.009 χ^2/NDF: 3781329.4/37



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:17.6/20

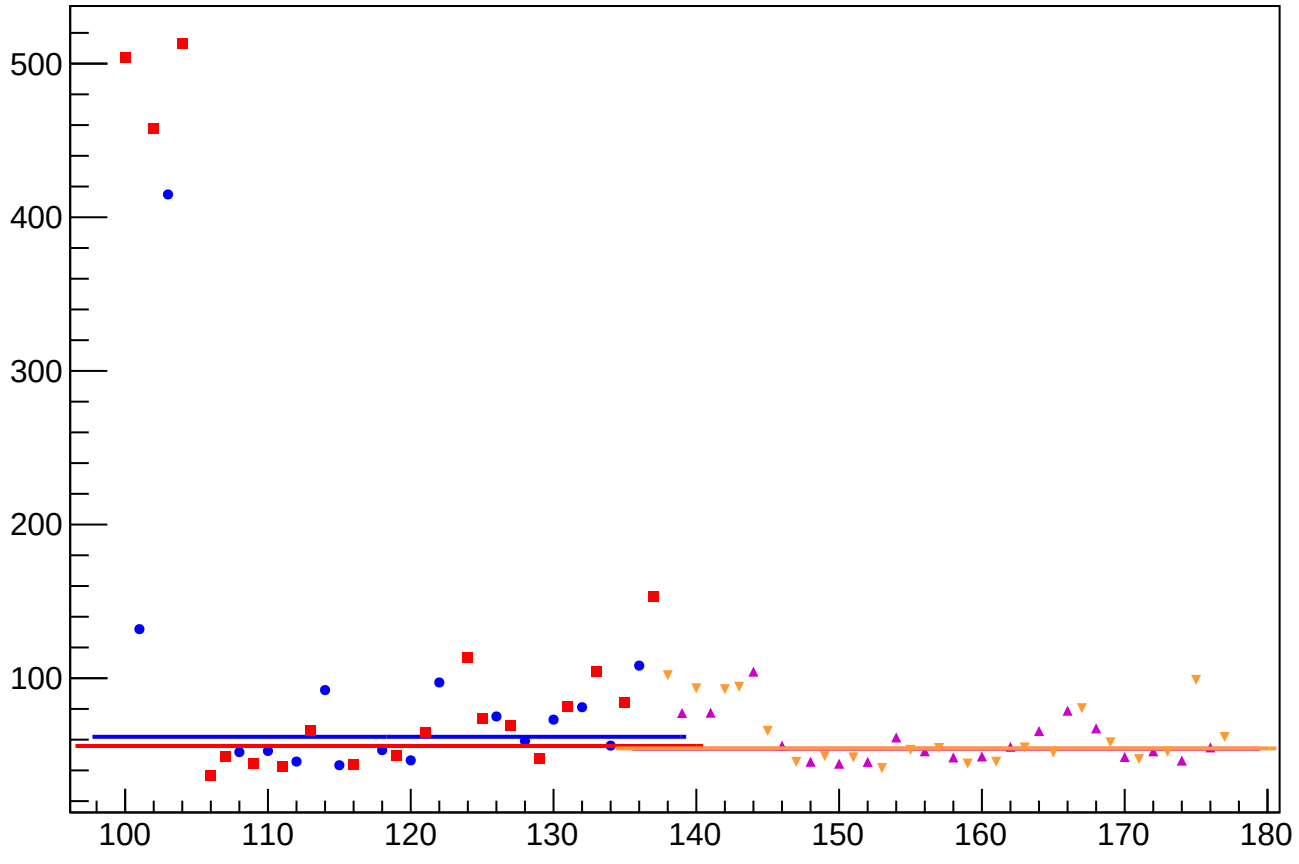
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.013+/-0.015 χ^2/NDF:25.7/18

+ sign -0.016+/-0.013 χ^2/NDF: 29.7/36

All: 0.002+/-0.009 χ^2/NDF: 83.8/74

- sign 0.019+/-0.013 χ^2/NDF: 50.5/37



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.311+/-0.010 χ^2/NDF:1897908.6/20

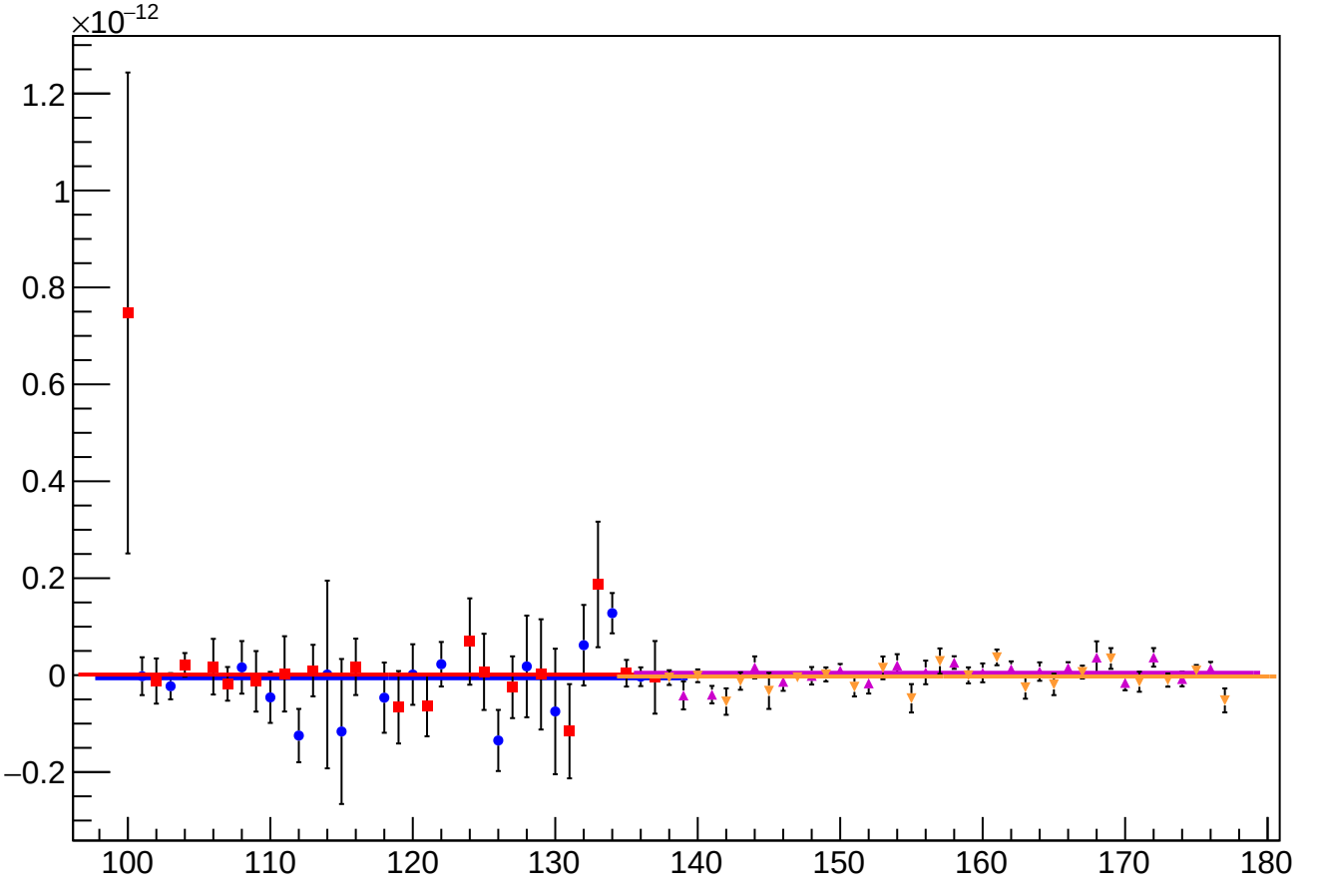
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.2/18

+ sign 56.088+/-0.009 χ^2/NDF: 3959964.3/36

All: 55.319+/-0.006 χ^2/NDF: 7755444.9/74

- sign 54.564+/-0.009 χ^2/NDF: 3781329.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/20

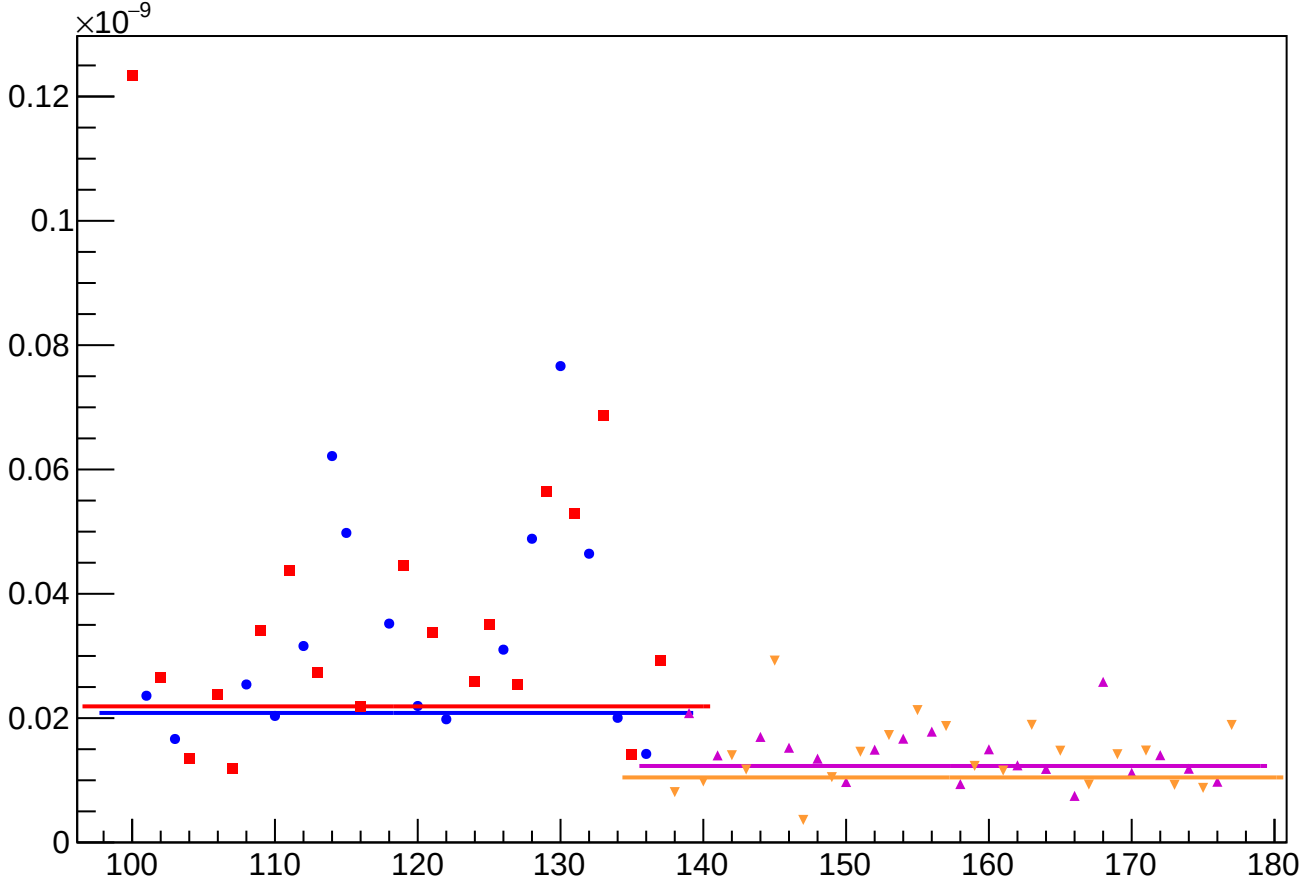
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 49.3/36

All: 0.000+/-0.000 χ^2/NDF: 83.1/74

- sign 0.000+/-0.000 χ^2/NDF: 31.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3501116.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

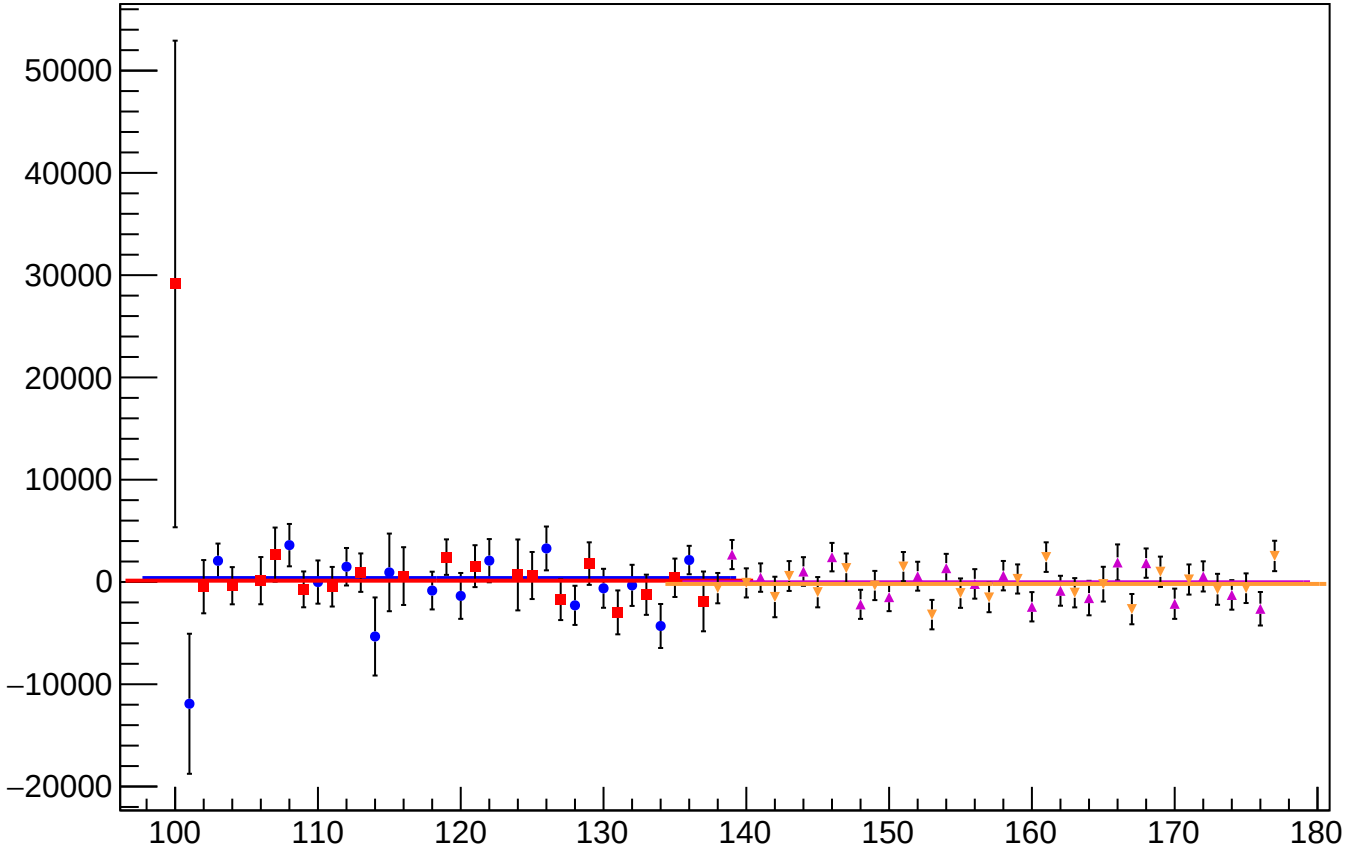
Left In: 0.000+/-0.000 χ^2/NDF:1489409.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 6418853.3/36

All: 0.000+/-0.000 χ^2/NDF: 11244730.6/74

- sign 0.000+/-0.000 χ^2/NDF: 4562153.7/37

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.672+/-322.956 χ^2/NDF:20.1/20

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

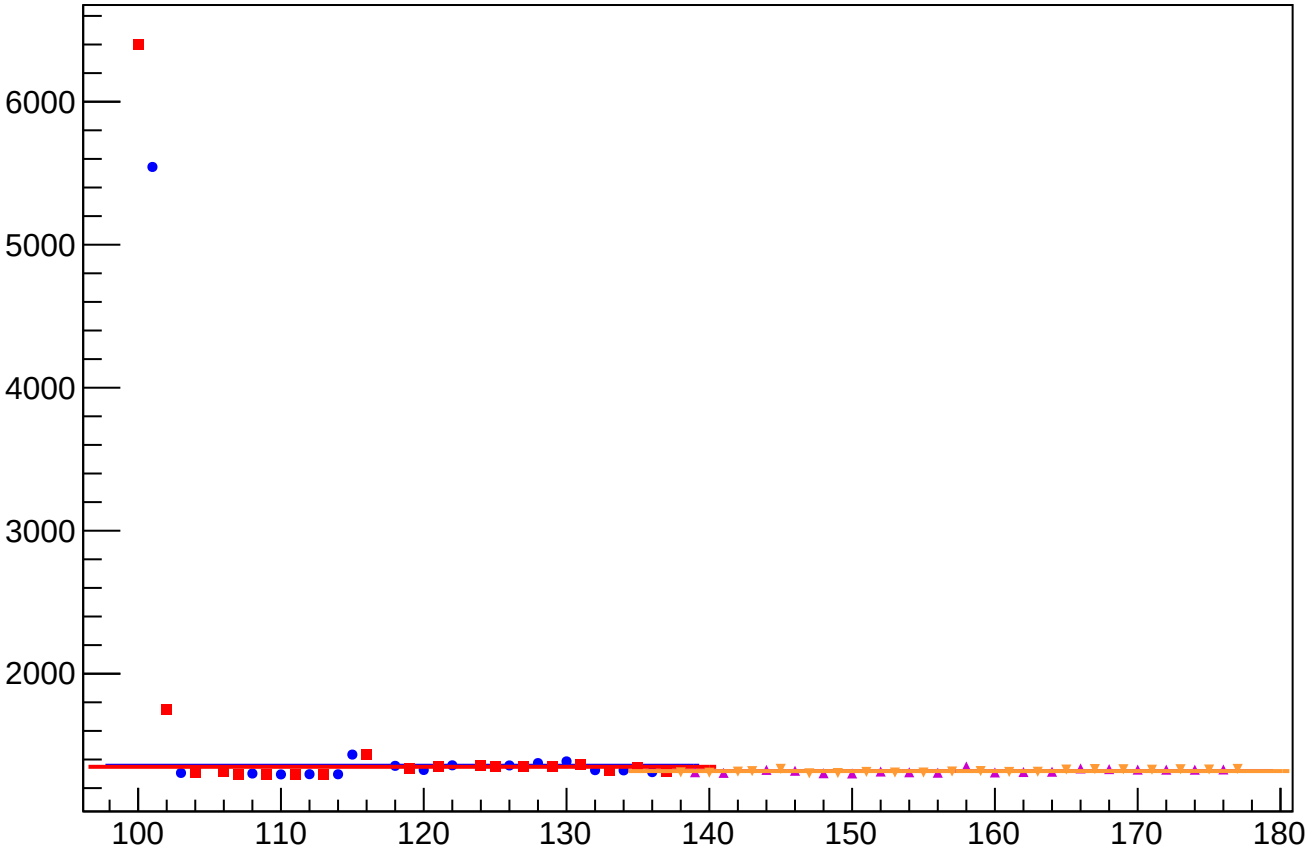
Left In: -31.229+/-334.770 χ^2/NDF:24.5/18

+ sign -30.450+/-274.024 χ^2/NDF: 42.5/36

All: -6.653+/-195.274 χ^2/NDF: 77.0/74

- sign 17.901+/-278.346 χ^2/NDF: 34.5/37

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1319.074+/-0.228 χ^2/NDF:2117.7/20

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

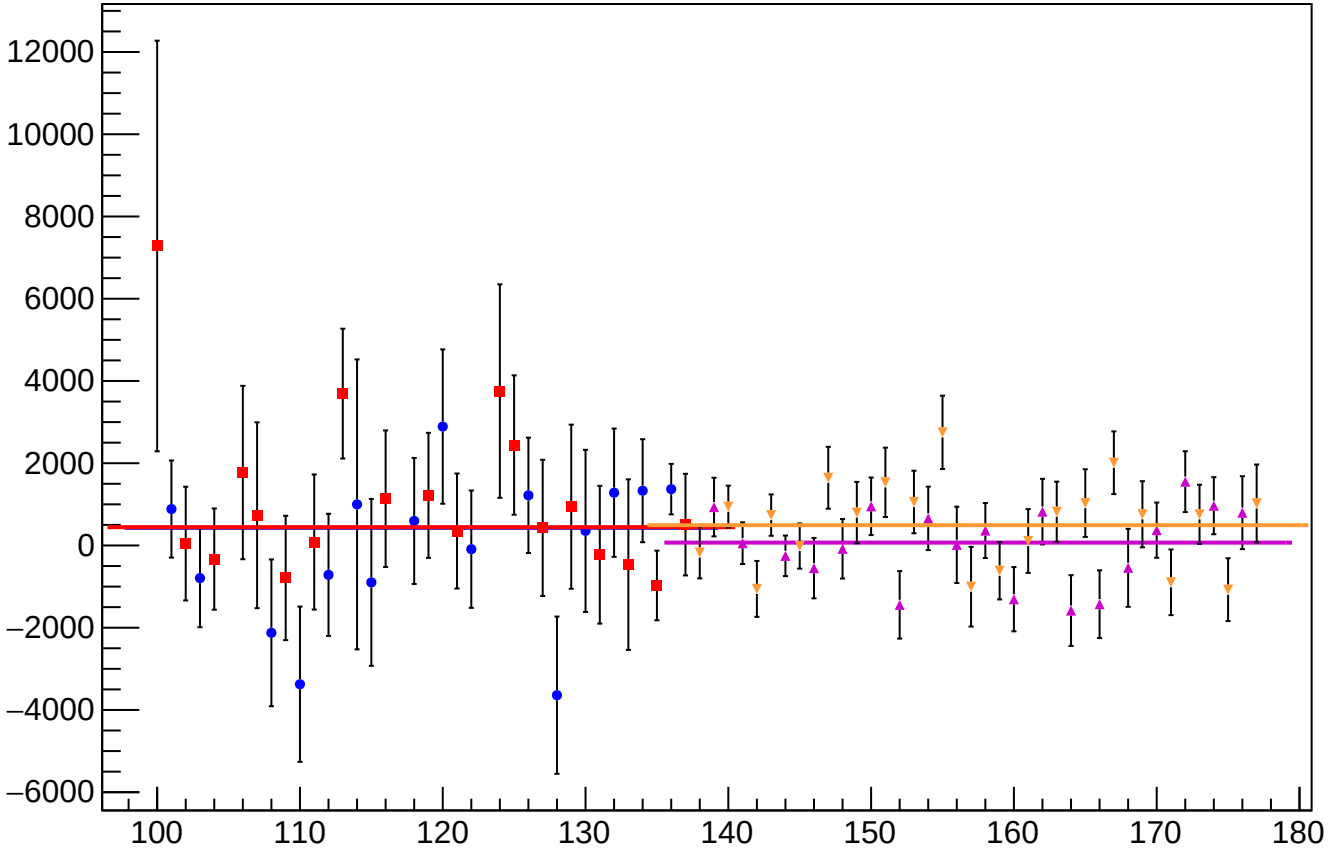
Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

+ sign 1329.527+/-0.194 χ^2/NDF: 769865.0/36

All: 1329.148+/-0.138 χ^2/NDF: 924789.1/74

- sign 1328.758+/-0.197 χ^2/NDF: 154916.3/37

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 493.484+/-155.313 χ^2/NDF:36.7/20

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

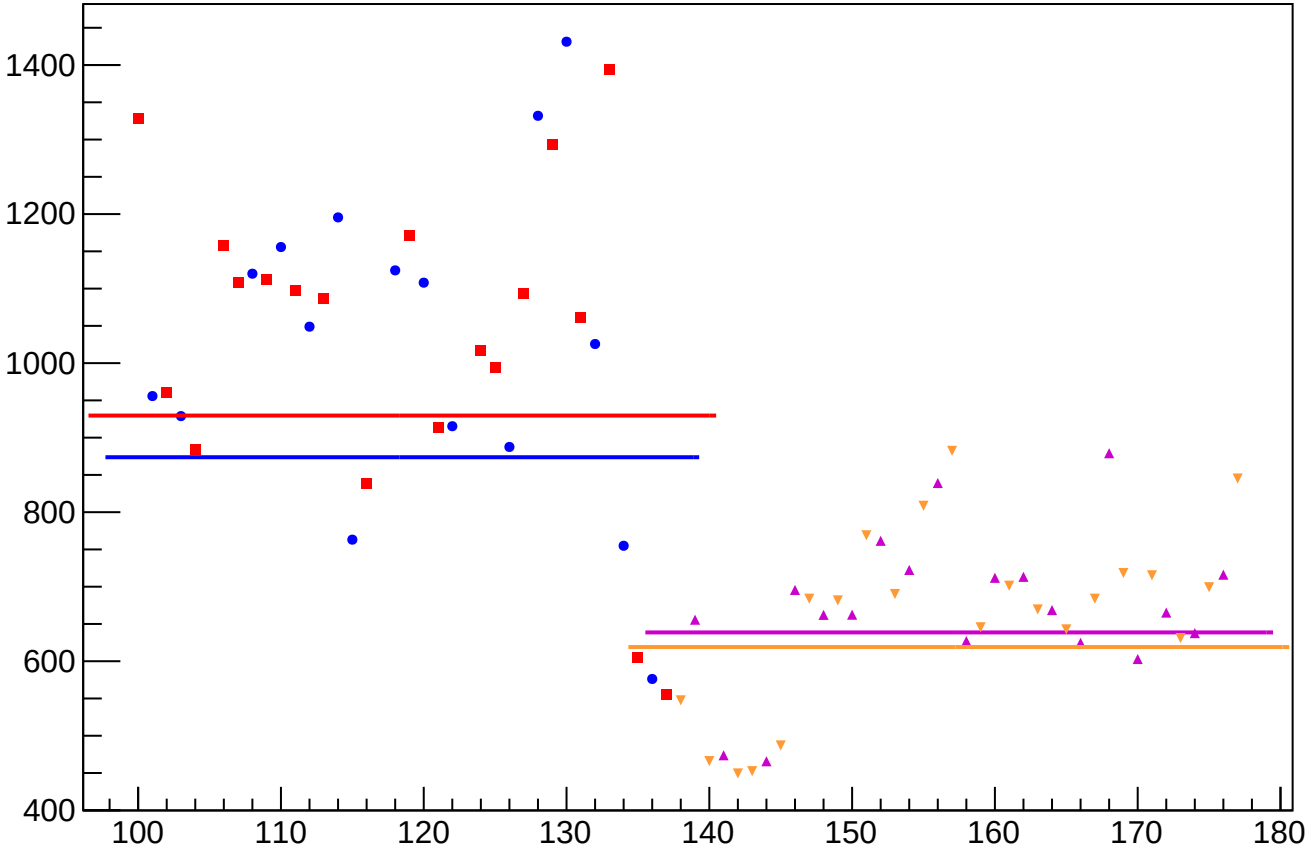
Left In: 69.502+/-164.622 χ^2/NDF:26.4/18

+ sign 482.504+/-141.160 χ^2/NDF: 55.0/36

All: 318.916+/-102.601 χ^2/NDF: 99.5/74

- sign 135.696+/-149.390 χ^2/NDF: 41.7/37

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 619.022+/-0.110 χ^2/NDF:1259717.2/20

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

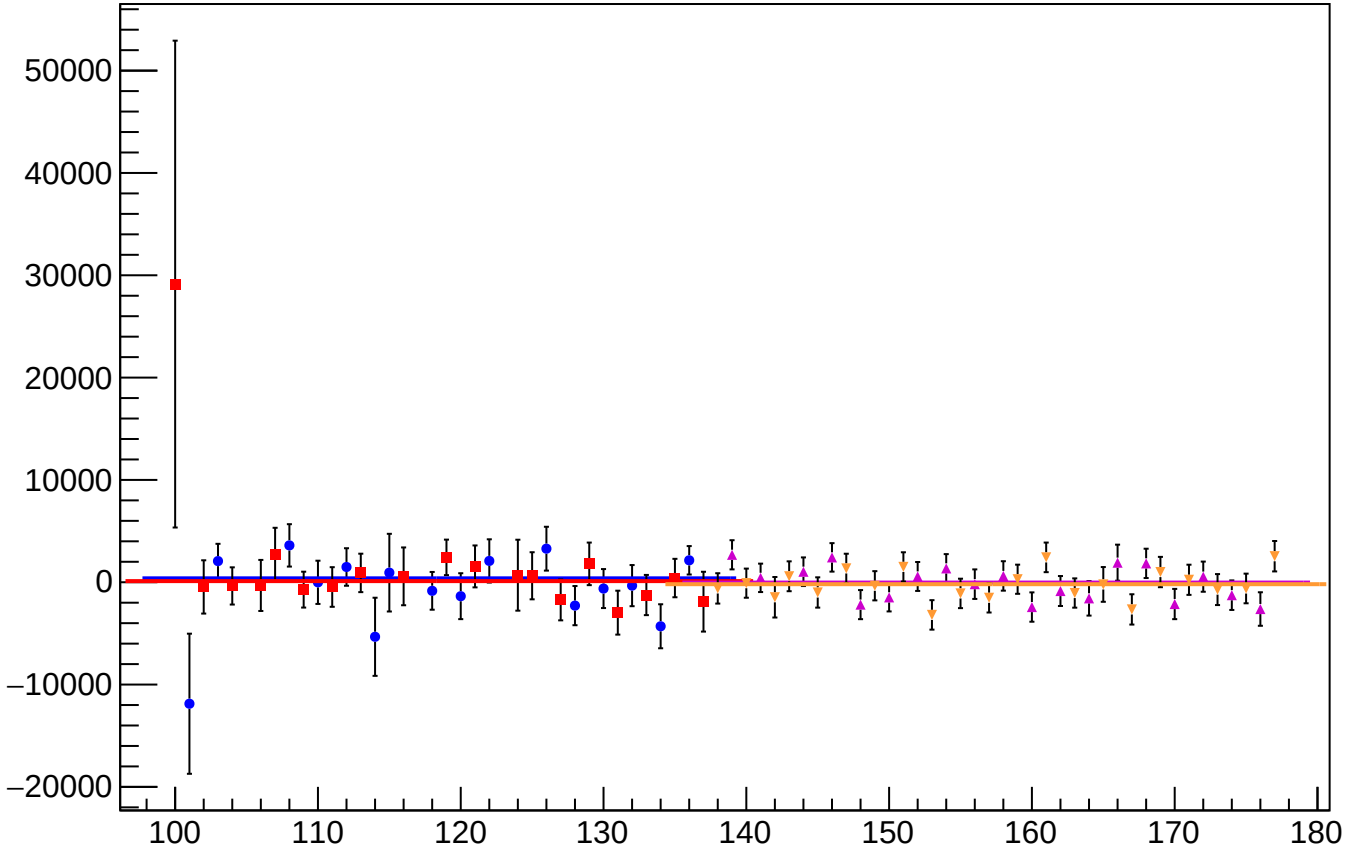
Left In: 638.652+/-0.116 χ^2/NDF:828486.3/18

+ sign 663.328+/-0.100 χ^2/NDF: 3210240.5/36

All: 675.913+/-0.073 χ^2/NDF: 6035244.9/74

- sign 690.009+/-0.106 χ^2/NDF: 2791299.9/37

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.704+/-322.956 χ^2/NDF:20.1/20

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

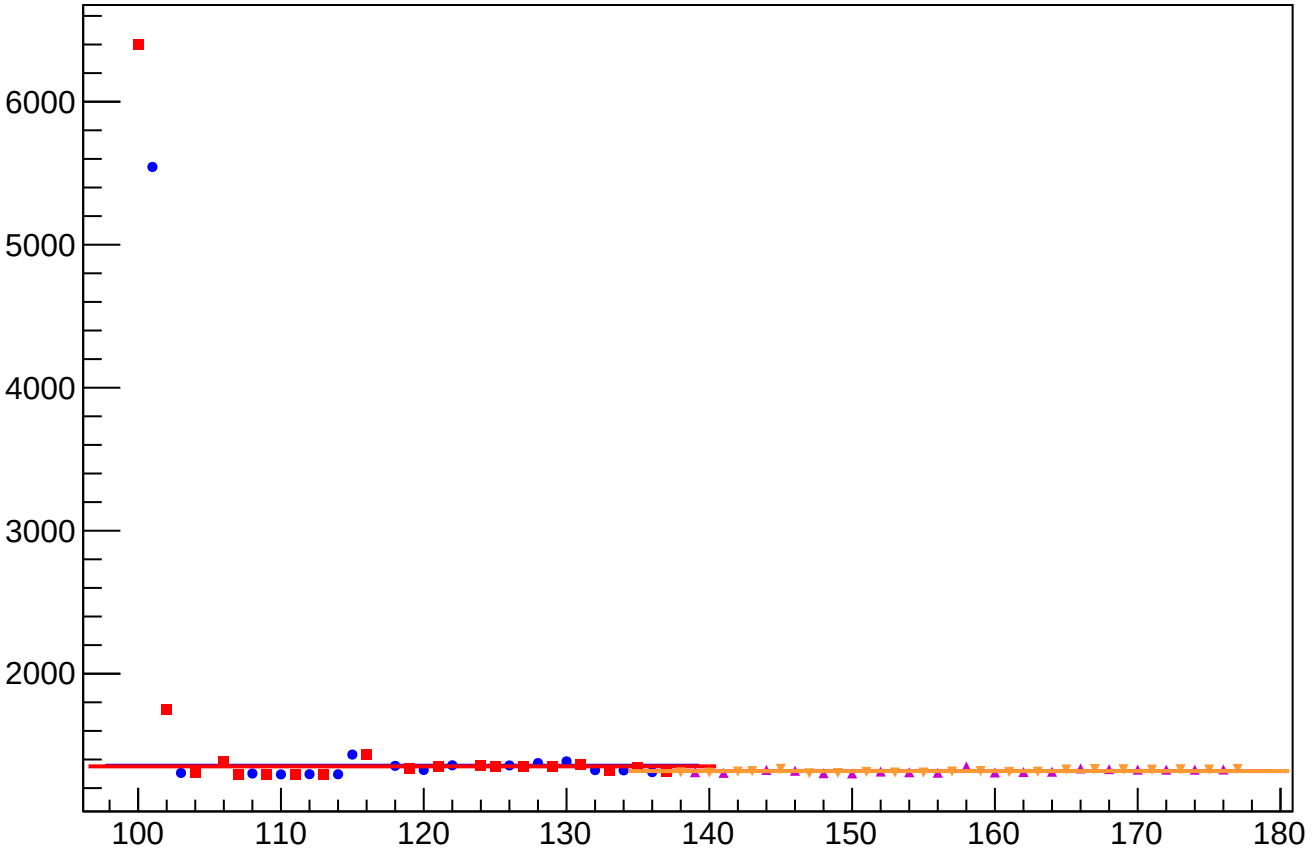
Left In: -31.187+/-334.770 χ^2/NDF:24.5/18

+ sign -30.386+/-274.024 χ^2/NDF: 42.5/36

All: -9.411+/-195.375 χ^2/NDF: 77.0/74

- sign 12.276+/-278.638 χ^2/NDF: 34.5/37

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.074+/-0.228 χ^2/NDF:2117.7/20

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

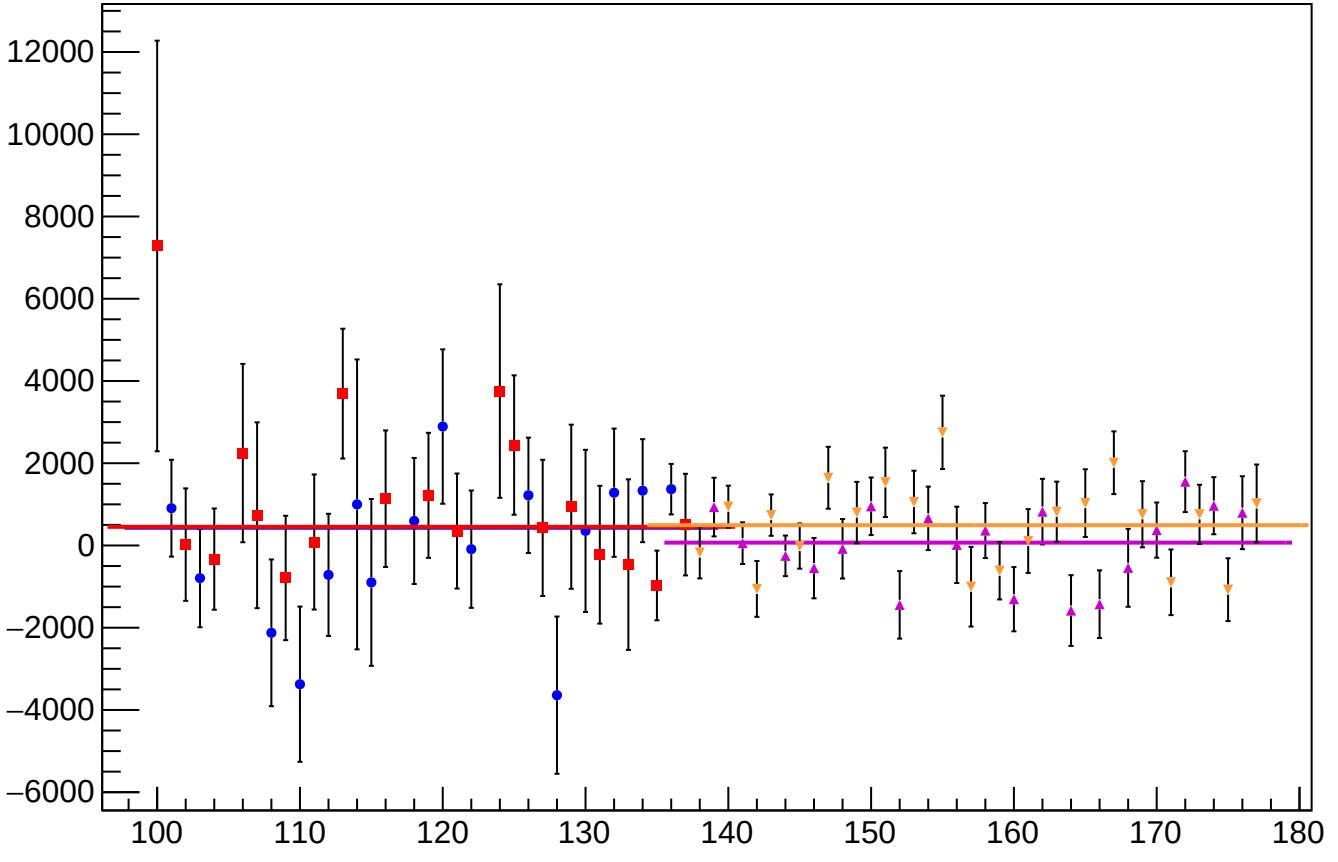
Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

+ sign 1329.527+/-0.194 χ^2/NDF: 769864.1/36

All: 1329.598+/-0.138 χ^2/NDF: 925869.3/74

- sign 1329.670+/-0.197 χ^2/NDF: 156005.0/37

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 493.461+/-155.313 χ^2/NDF:36.7/20

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

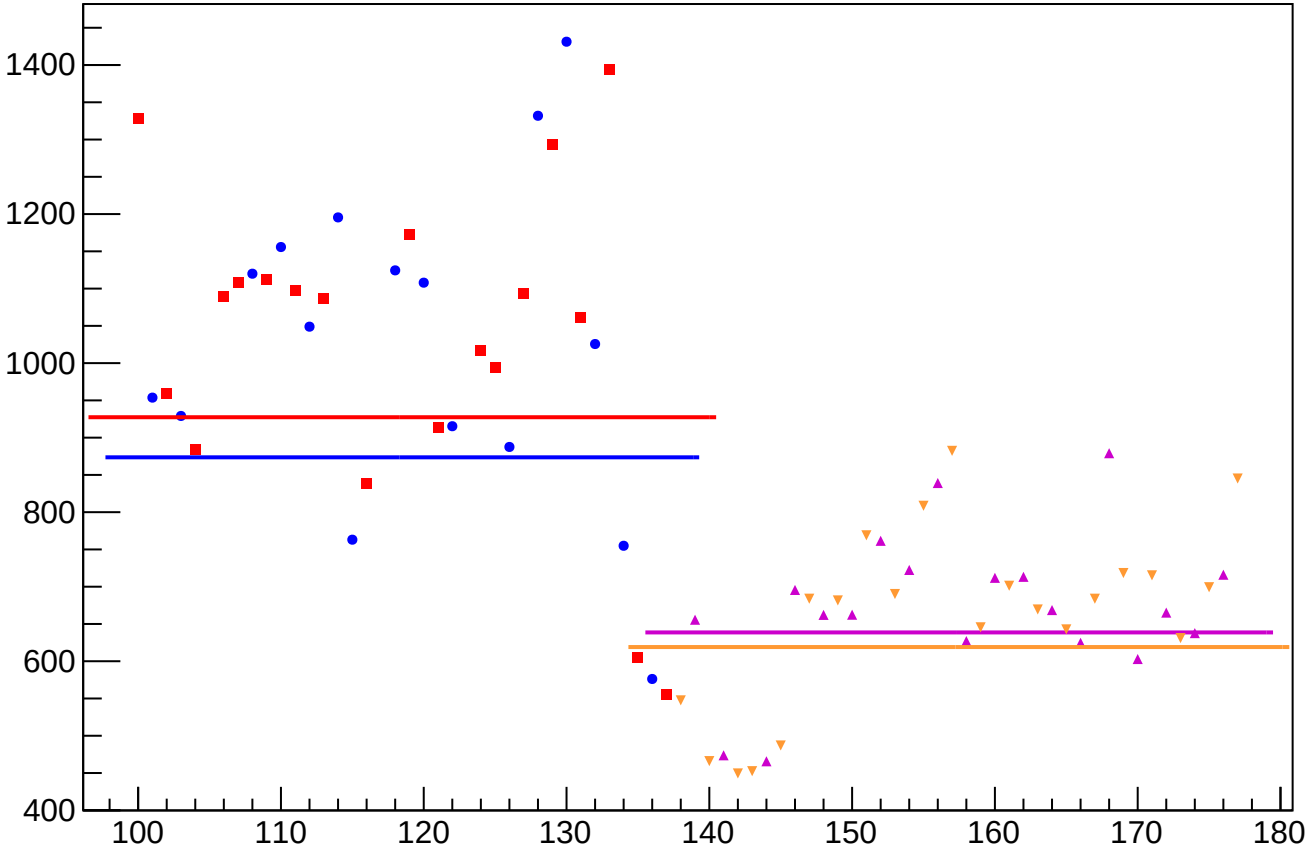
Left In: 69.495+/-164.621 χ^2/NDF:26.4/18

+ sign 482.791+/-141.156 χ^2/NDF: 55.0/36

All: 319.774+/-102.600 χ^2/NDF: 99.9/74

- sign 137.186+/-149.389 χ^2/NDF: 42.0/37

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 619.023+/-0.110 χ^2/NDF:1259654.5/20

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

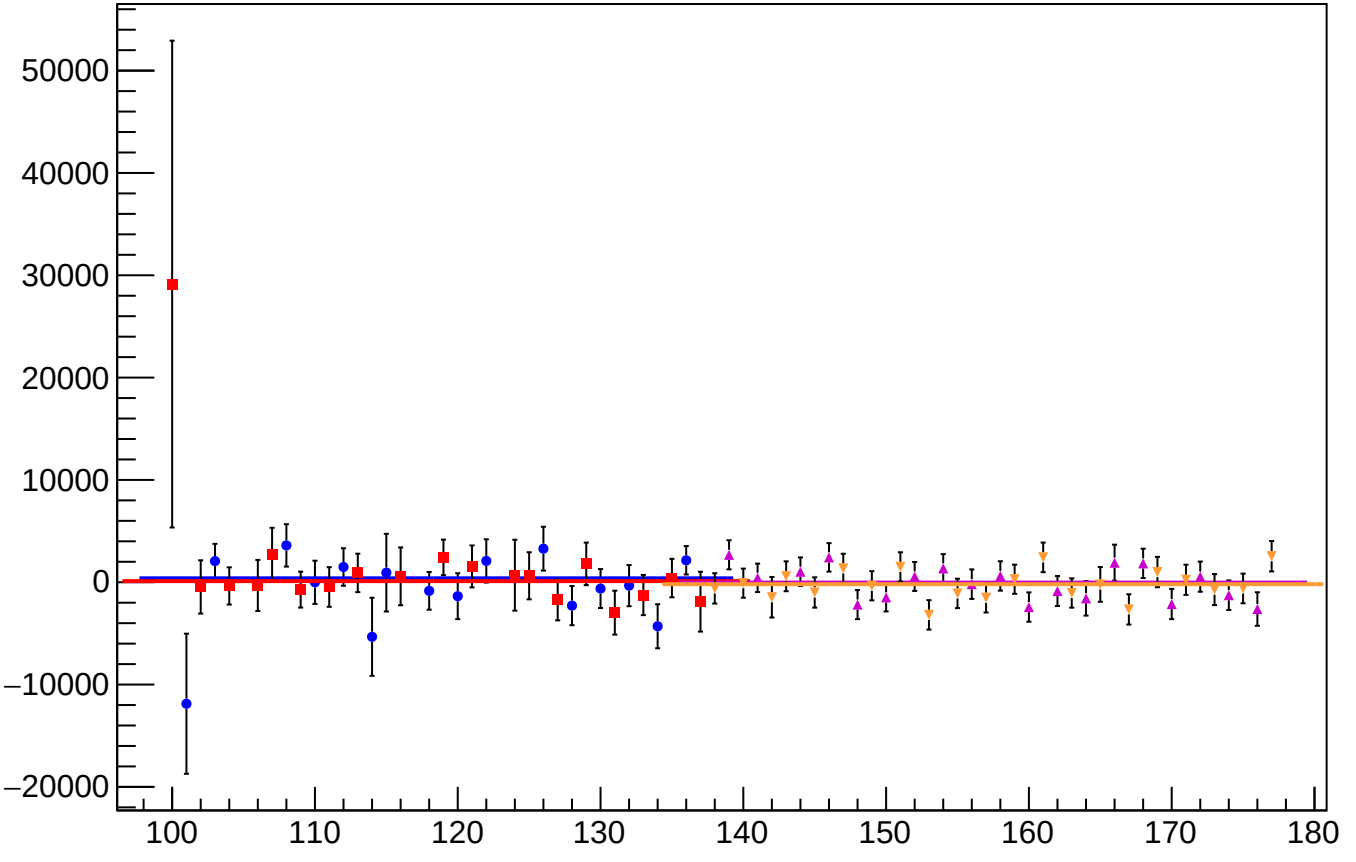
Left In: 638.646+/-0.116 χ^2/NDF:828543.9/18

+ sign 663.318+/-0.100 χ^2/NDF: 3209050.0/36

All: 675.719+/-0.073 χ^2/NDF: 6003767.6/74

- sign 689.609+/-0.106 χ^2/NDF: 2761992.5/37

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.704+/-322.956 χ^2/NDF:20.1/20

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

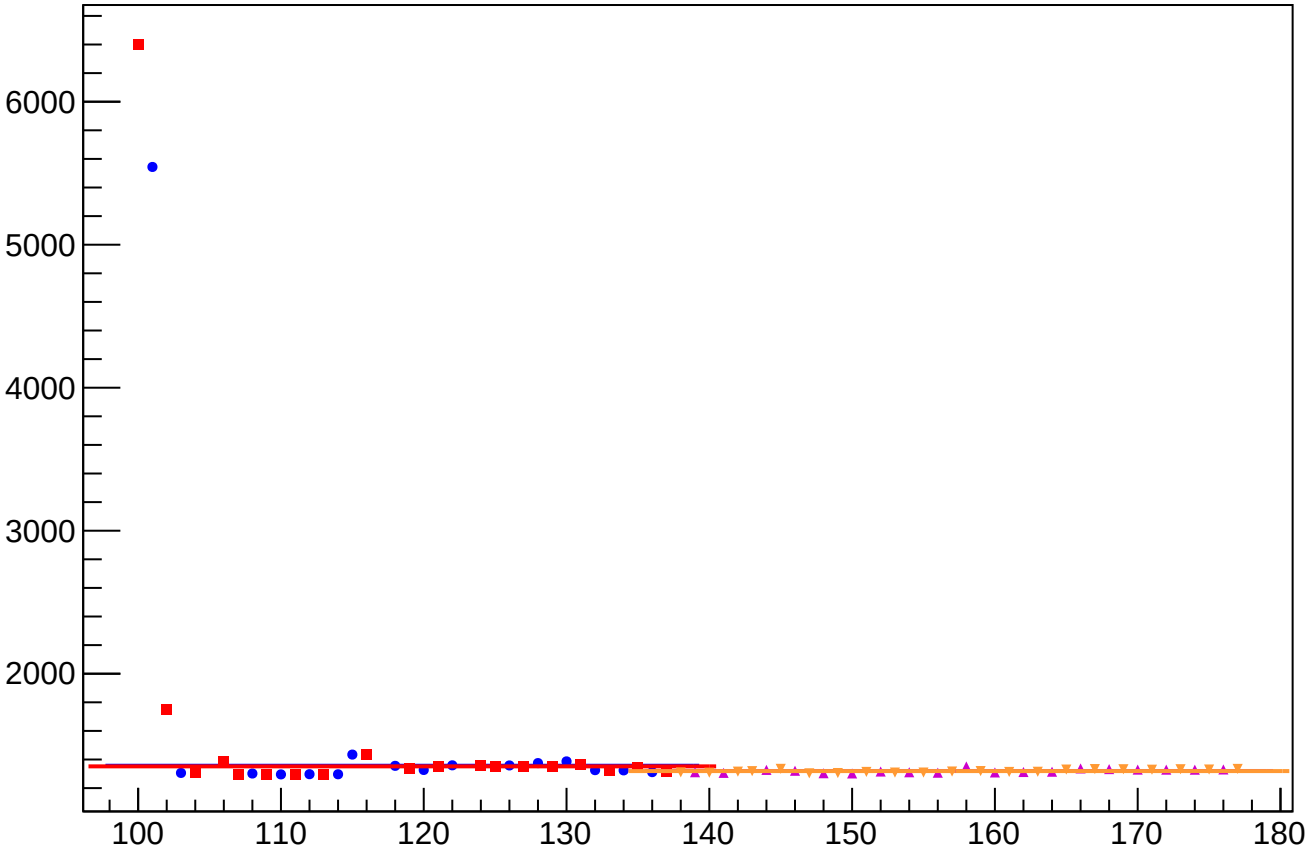
Left In: -31.187+/-334.770 χ^2/NDF:24.5/18

+ sign -30.386+/-274.024 χ^2/NDF: 42.5/36

All: -9.411+/-195.375 χ^2/NDF: 77.0/74

- sign 12.276+/-278.638 χ^2/NDF: 34.5/37

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.074+/-0.228 χ^2/NDF:2117.7/20

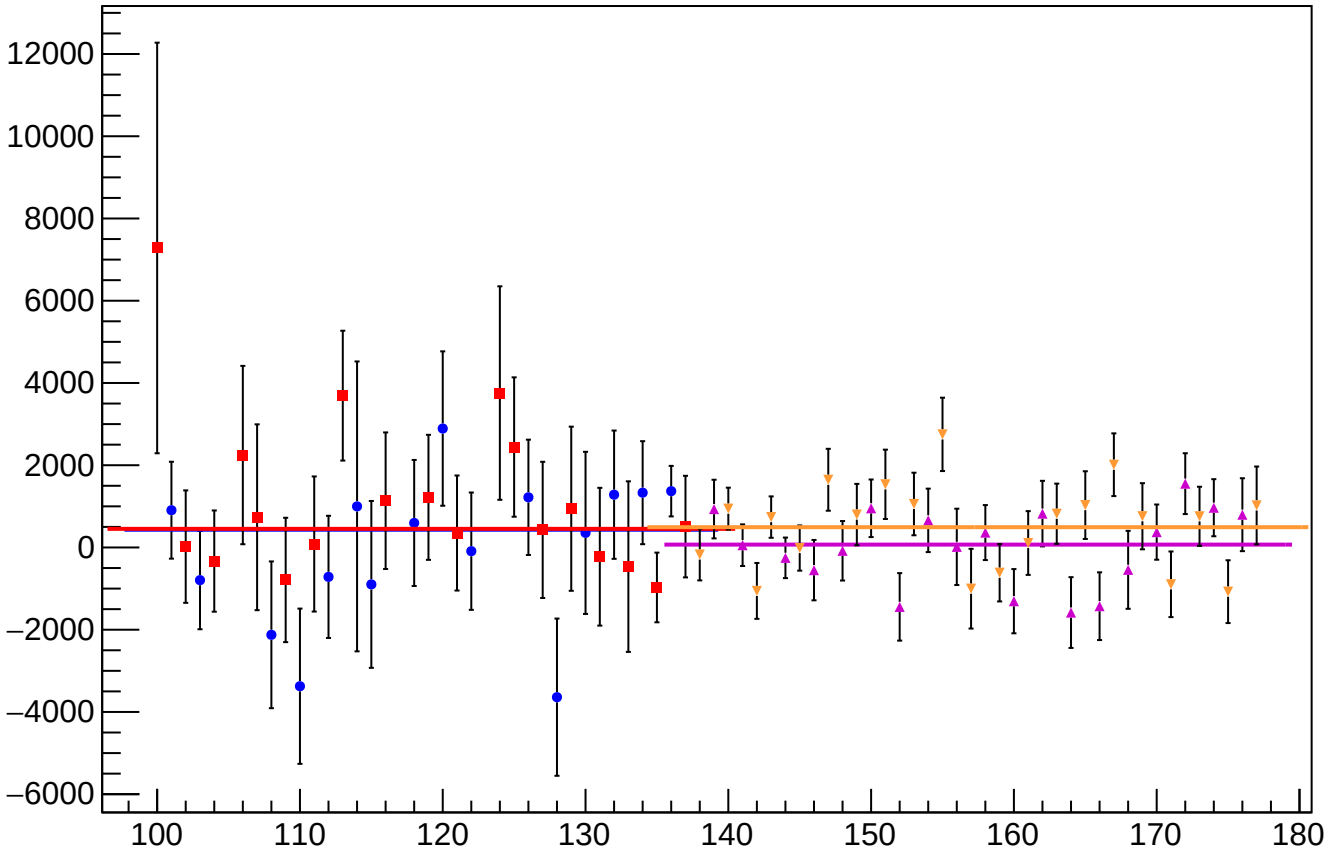
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

+ sign 1329.527+/-0.194 χ^2/NDF: 769864.1/36

All: 1329.598+/-0.138 χ^2/NDF: 925869.3/74

- sign 1329.670+/-0.197 χ^2/NDF: 156005.0/37



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 493.461+/-155.313 χ^2/NDF:36.7/20

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

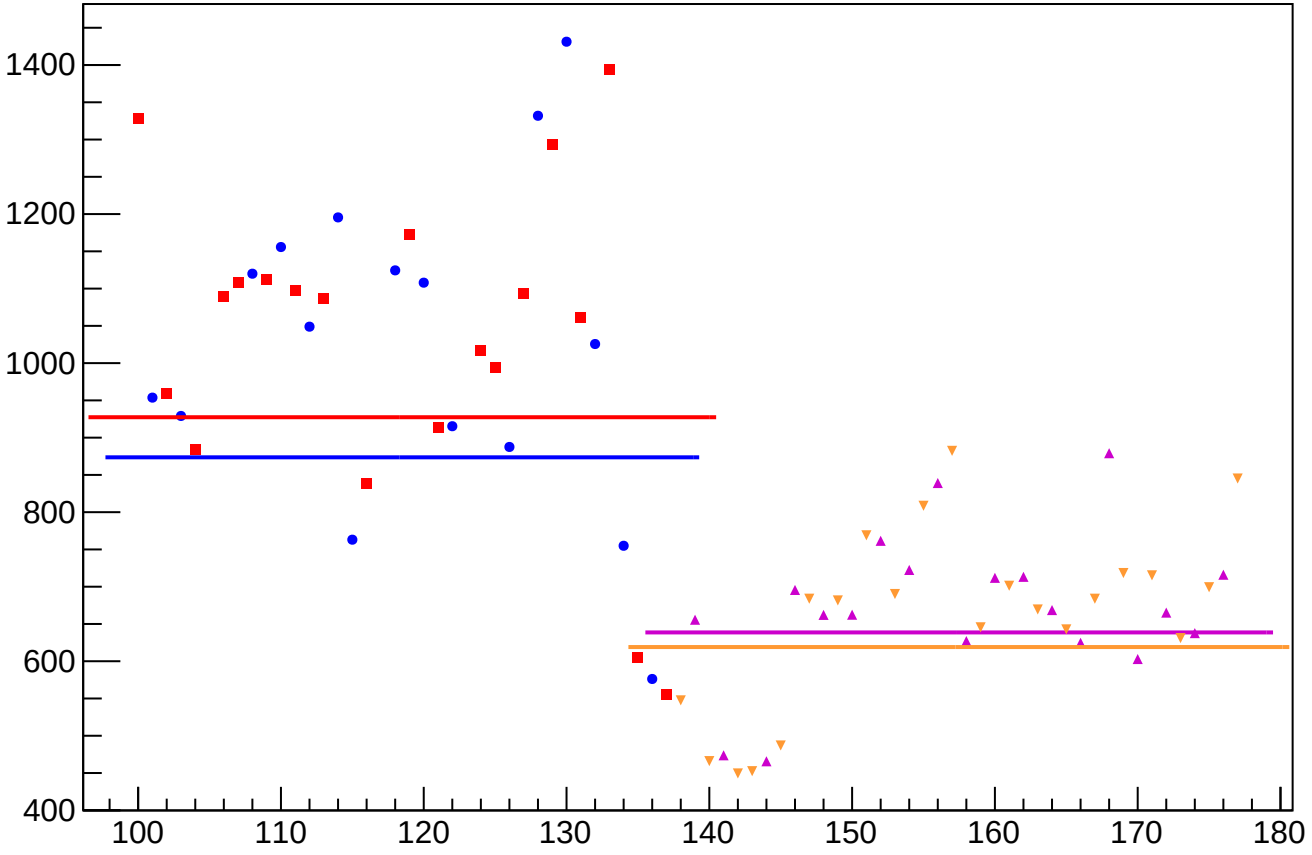
Left In: 69.495+/-164.621 χ^2/NDF:26.4/18

+ sign 482.791+/-141.156 χ^2/NDF: 55.0/36

All: 319.774+/-102.600 χ^2/NDF: 99.9/74

- sign 137.186+/-149.389 χ^2/NDF: 42.0/37

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 619.023+/-0.110 χ^2/NDF:1259654.5/20

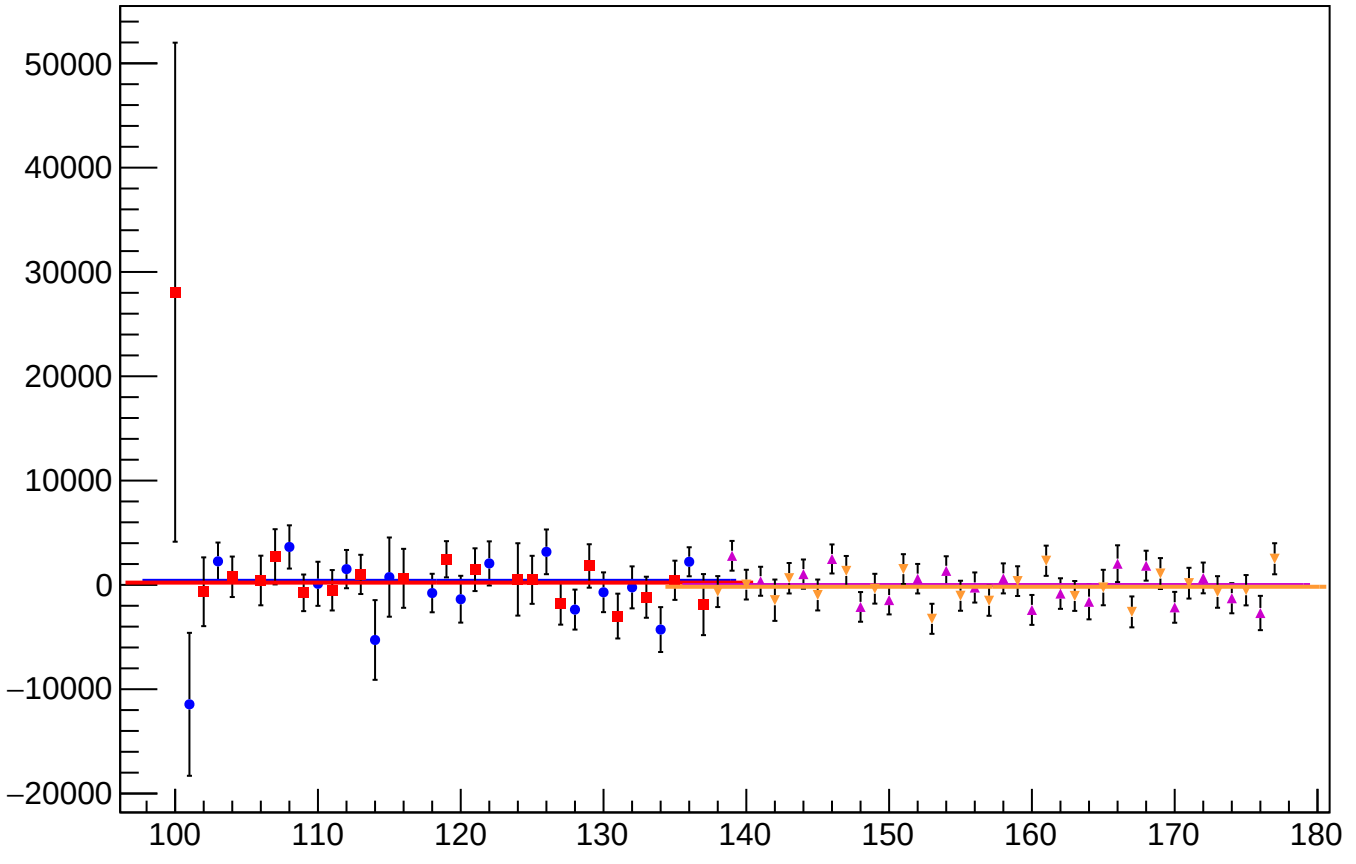
Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 638.646+/-0.116 χ^2/NDF:828543.9/18

+ sign 663.318+/-0.100 χ^2/NDF: 3209050.0/36

All: 675.719+/-0.073 χ^2/NDF: 6003767.6/74

- sign 689.609+/-0.106 χ^2/NDF: 2761992.5/37



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -178.902+/-323.254 χ^2/NDF:19.8/20

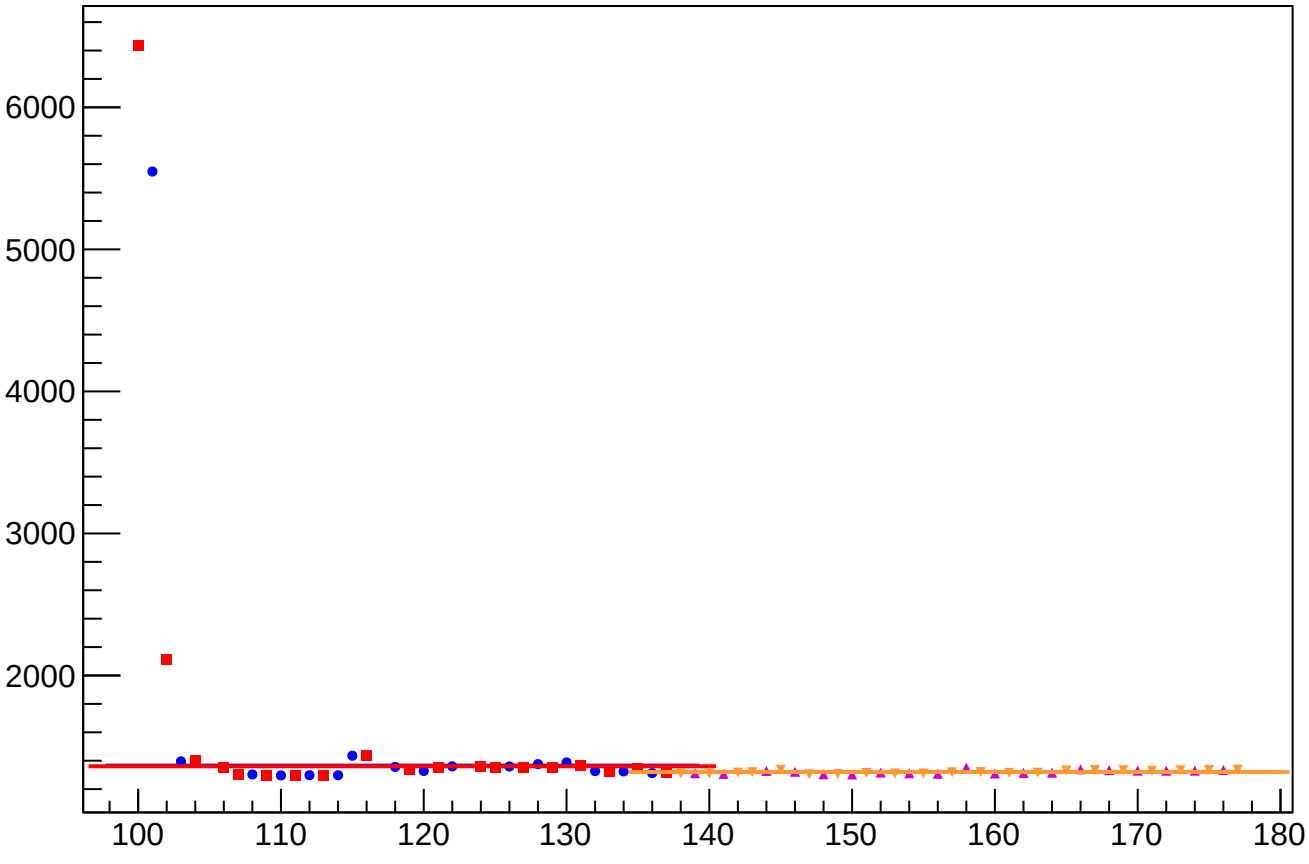
Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -14.414+/-335.059 χ^2/NDF:25.1/18

\+ sign -20.856+/-274.703 χ^2/NDF: 42.0/36

All: 16.936+/-195.983 χ^2/NDF: 77.3/74

\- sign 56.112+/-279.687 χ^2/NDF: 35.2/37



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1320.289+/-0.229 χ^2/NDF:2215.2/20

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

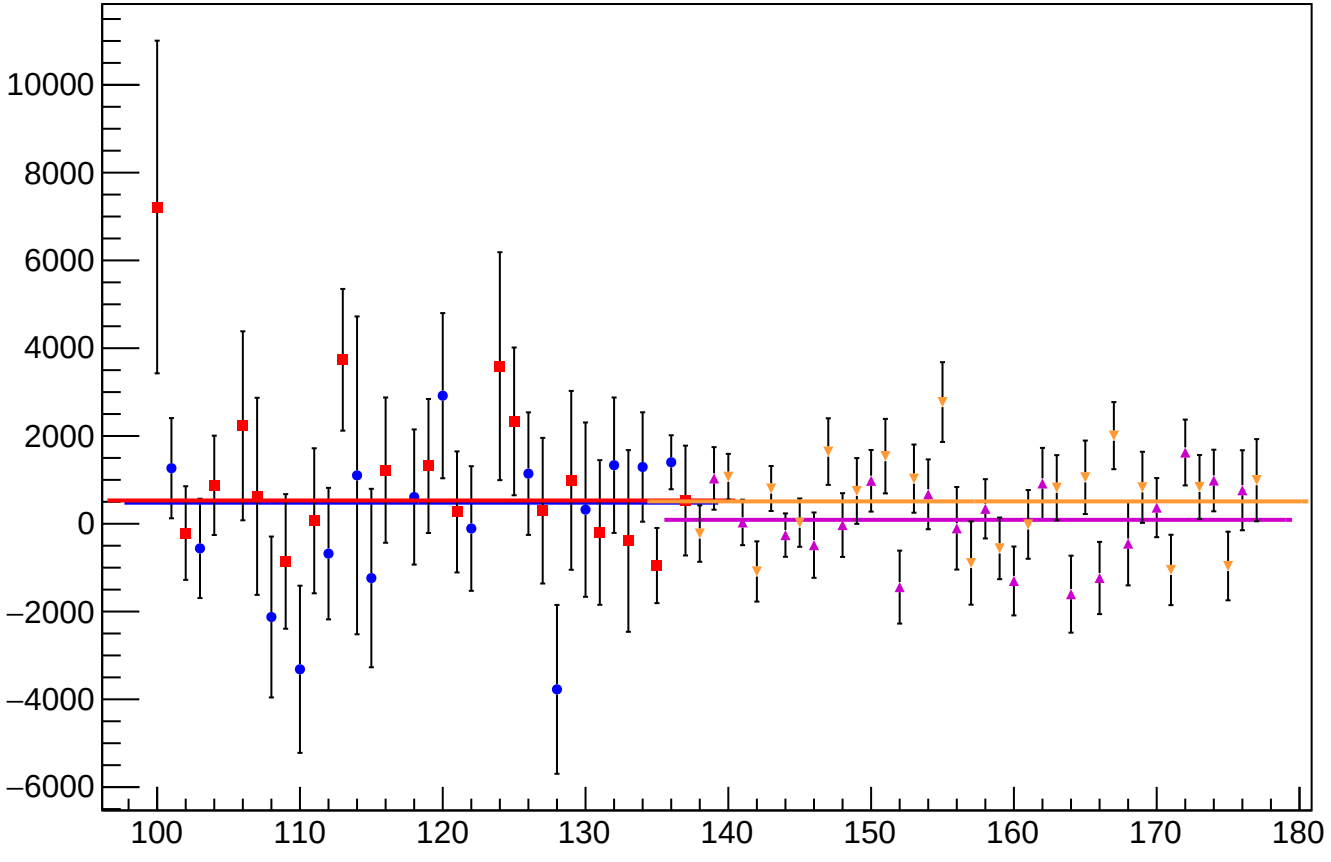
Left In: 1320.865+/-0.237 χ^2/NDF:3027.5/18

\+ sign 1332.795+/-0.194 χ^2/NDF: 771934.8/36

All: 1332.878+/-0.139 χ^2/NDF: 988879.7/74

\- sign 1332.965+/-0.198 χ^2/NDF: 216944.6/37

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 509.576+/-157.040 χ^2/NDF:36.8/20

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

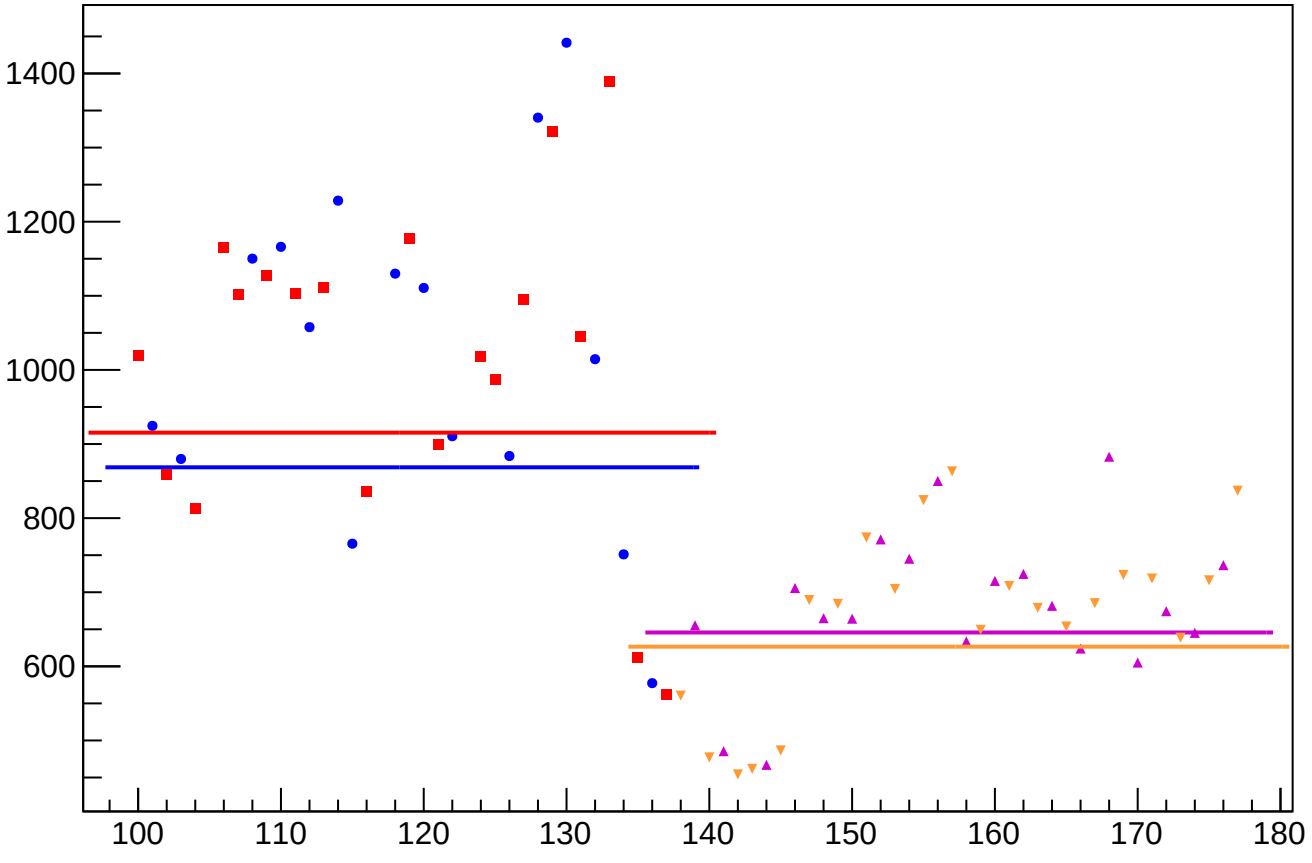
Left In: 89.551+/-166.410 χ^2/NDF:26.0/18

\+ sign 504.359+/-142.307 χ^2/NDF: 55.4/36

All: 347.060+/-103.231 χ^2/NDF: 100.9/74

\- sign 172.353+/-149.975 χ^2/NDF: 42.9/37

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 626.563+/-0.111 χ^2/NDF:1202349.4/20

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

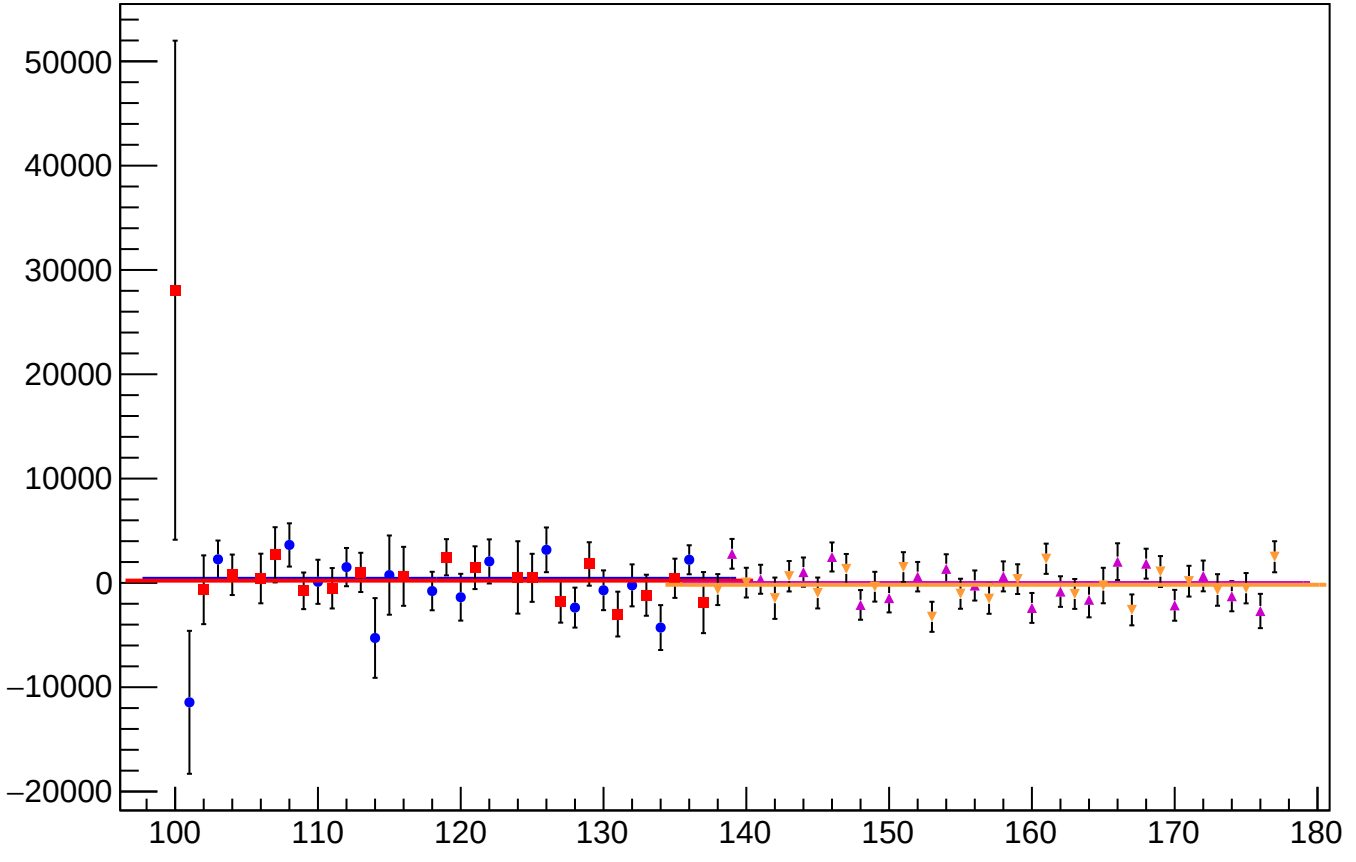
Left In: 645.705+/-0.118 χ^2/NDF:834131.7/18

\+ sign 669.840+/-0.101 χ^2/NDF: 3073074.2/36

All: 682.395+/-0.073 χ^2/NDF: 5785041.3/74

\- sign 696.338+/-0.106 χ^2/NDF: 2679115.0/37

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -178.903+/-323.254 χ^2/NDF:19.8/20

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

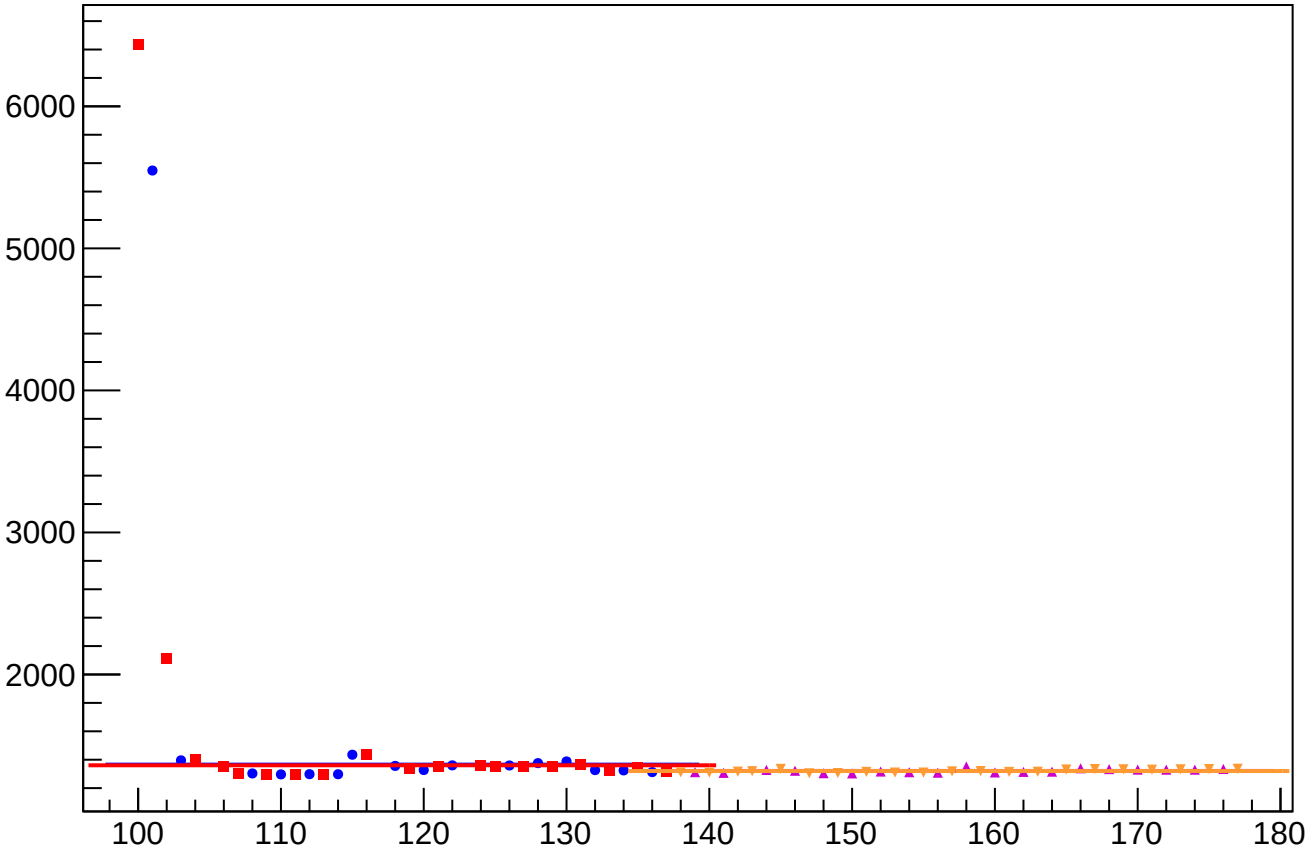
Left In: -14.414+/-335.059 χ^2/NDF:25.1/18

\+ sign -20.857+/-274.703 χ^2/NDF: 42.0/36

All: 16.935+/-195.983 χ^2/NDF: 77.3/74

\- sign 56.111+/-279.687 χ^2/NDF: 35.2/37

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1320.289+/-0.229 χ^2/NDF:2215.2/20

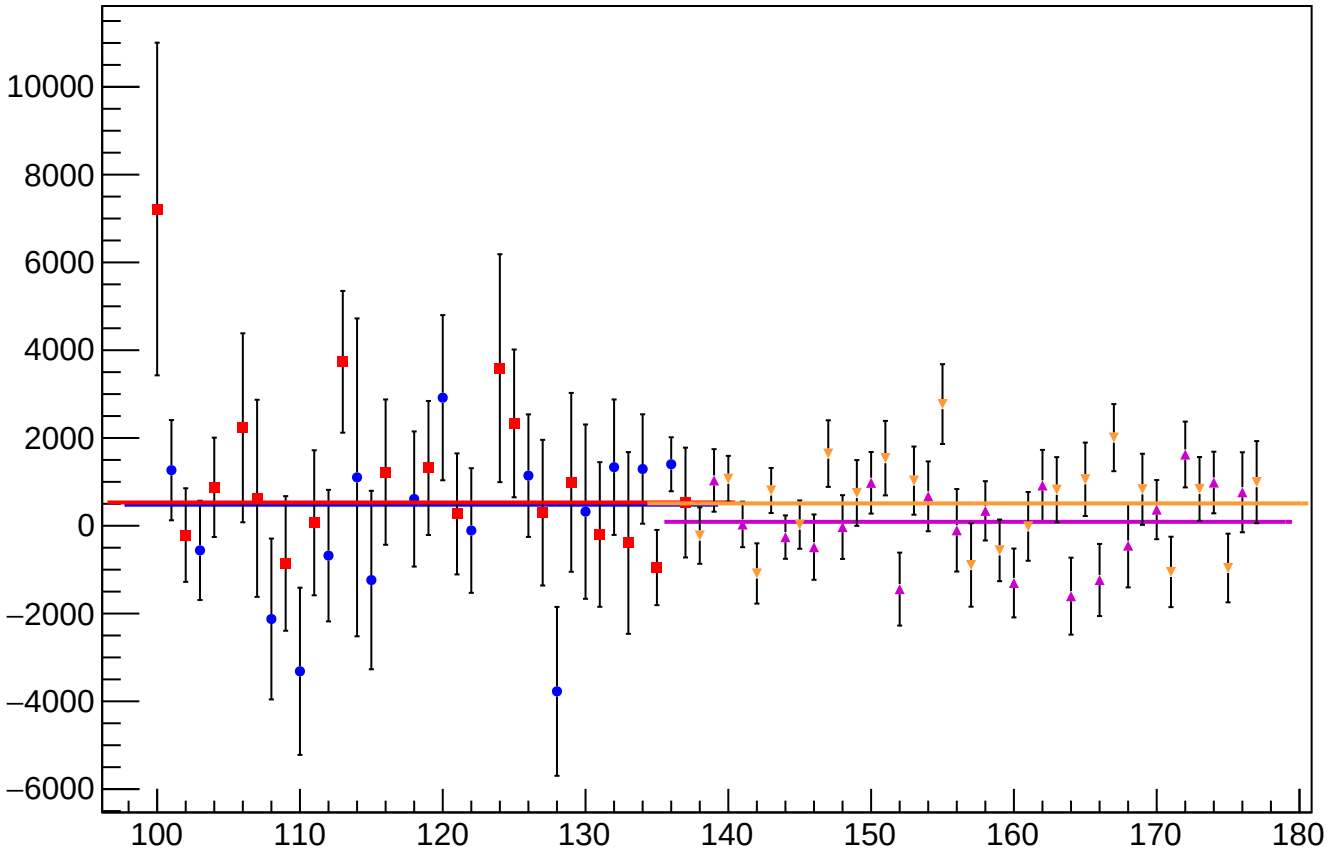
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1320.865+/-0.237 χ^2/NDF:3027.5/18

+ sign 1332.795+/-0.194 χ^2/NDF: 771934.7/36

All: 1332.878+/-0.139 χ^2/NDF: 988879.6/74

- sign 1332.965+/-0.198 χ^2/NDF: 216944.5/37



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 509.576+/-157.040 χ^2/NDF:36.8/20

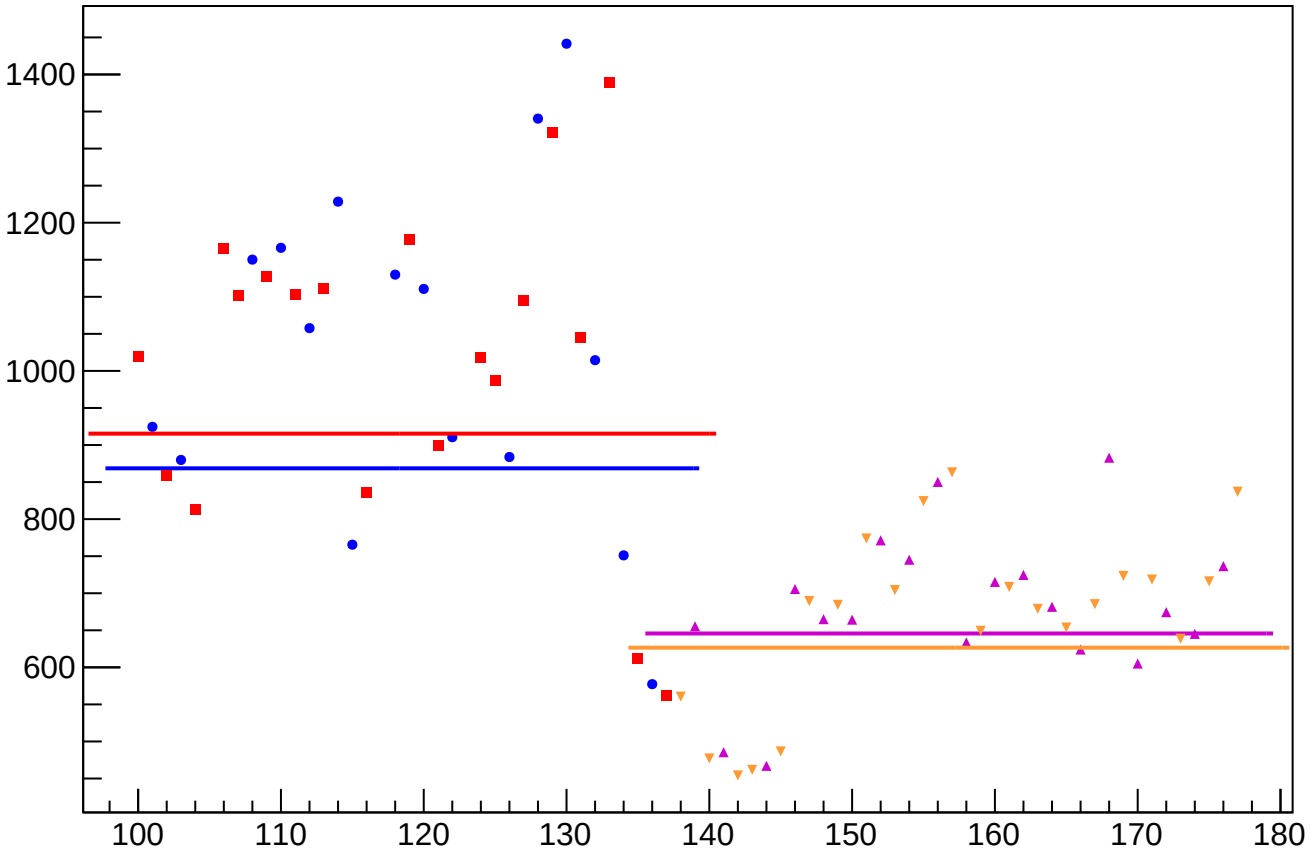
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 89.550+/-166.410 χ^2/NDF:26.0/18

+ sign 504.359+/-142.307 χ^2/NDF: 55.4/36

All: 347.060+/-103.231 χ^2/NDF: 100.9/74

- sign 172.353+/-149.975 χ^2/NDF: 42.9/37



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 626.563+/-0.111 χ^2/NDF:1202367.6/20

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

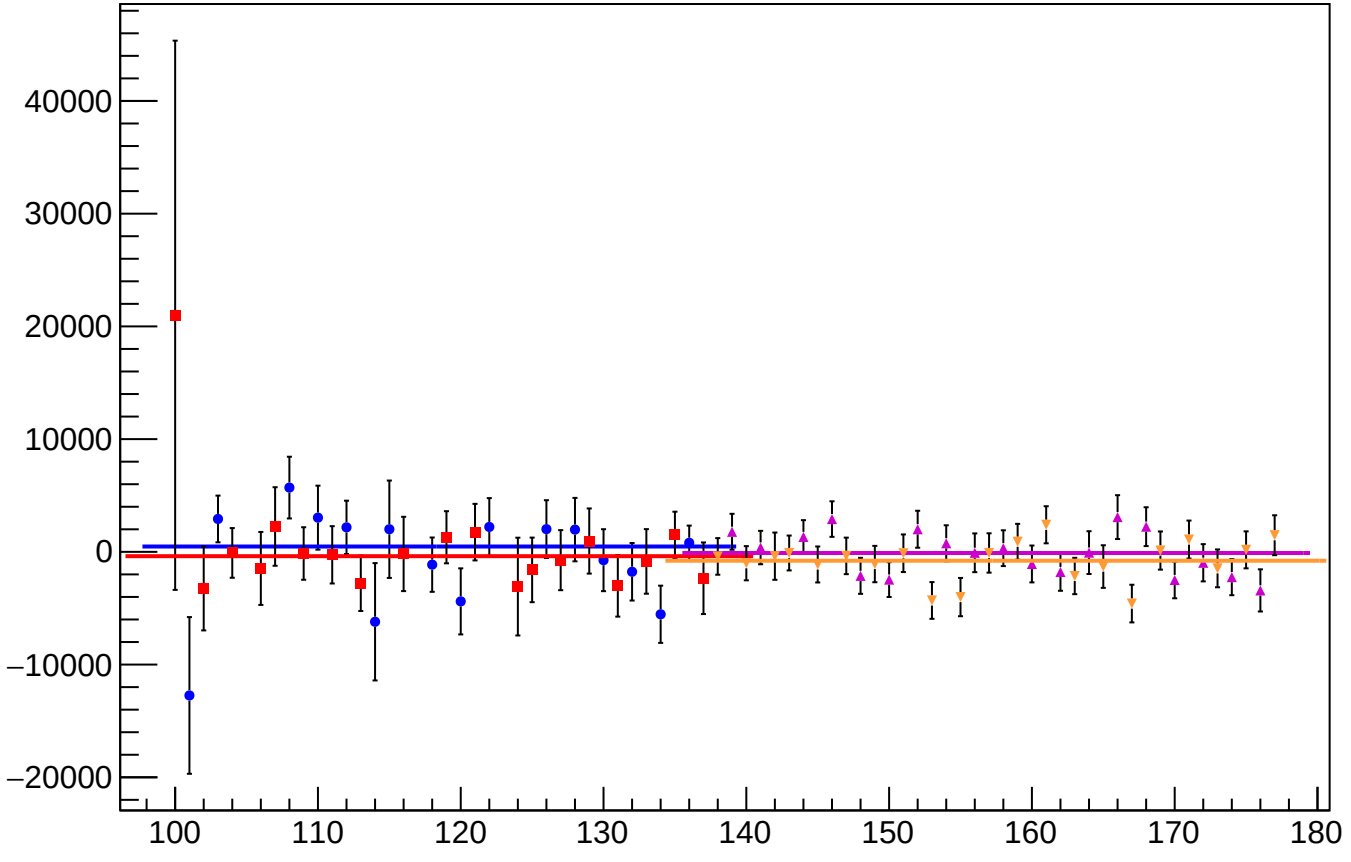
Left In: 645.706+/-0.118 χ^2/NDF:834139.4/18

+ sign 669.841+/-0.101 χ^2/NDF: 3073074.8/36

All: 682.395+/-0.073 χ^2/NDF: 5785031.9/74

- sign 696.339+/-0.106 χ^2/NDF: 2679103.3/37

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -786.487+/-363.546 χ^2/NDF:23.6/20

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

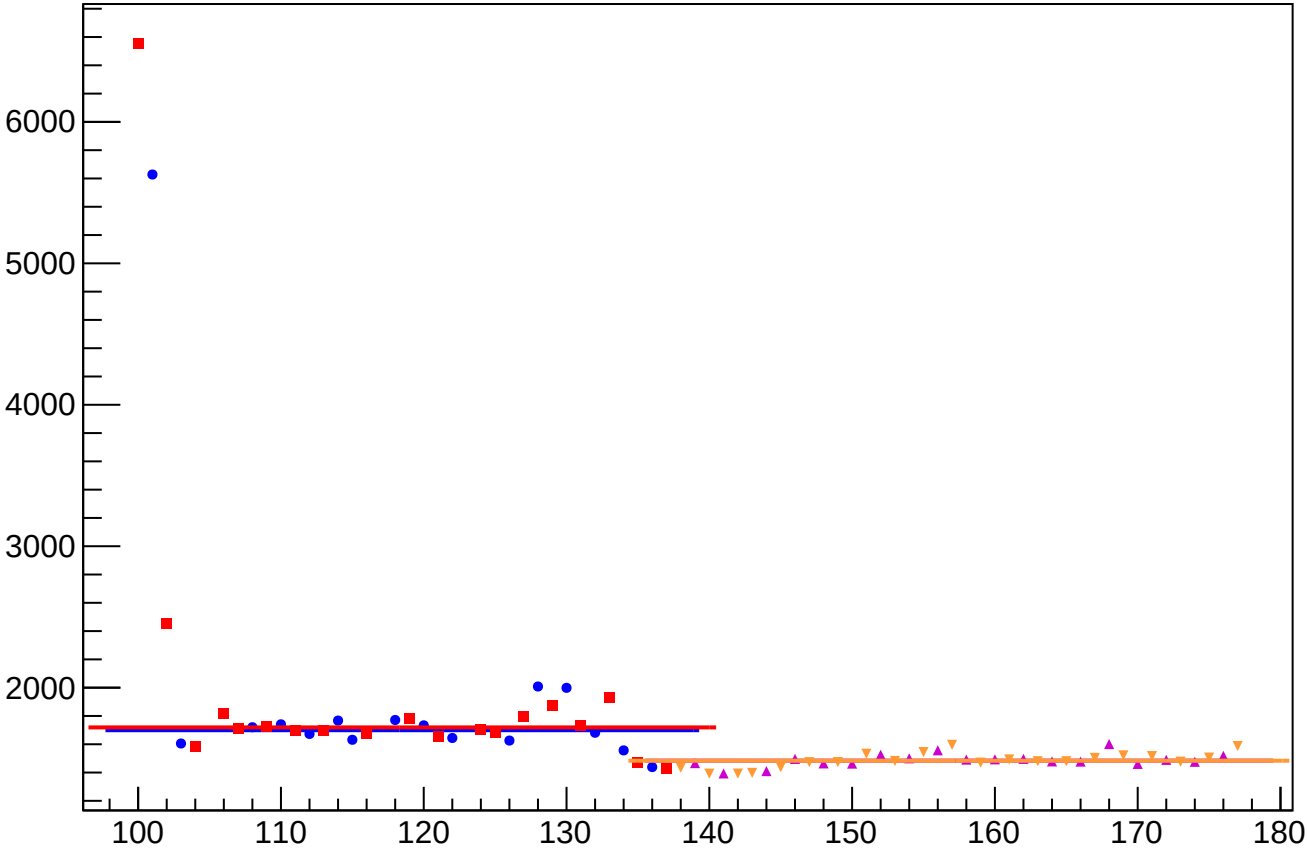
Left In: -101.974+/-376.713 χ^2/NDF:25.3/18

+ sign -485.726+/-317.202 χ^2/NDF: 49.1/36

All: -333.803+/-226.971 χ^2/NDF: 82.3/74

- sign -174.410+/-324.907 χ^2/NDF: 32.7/37

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1483.683+/-0.257 χ^2/NDF:42942.3/20

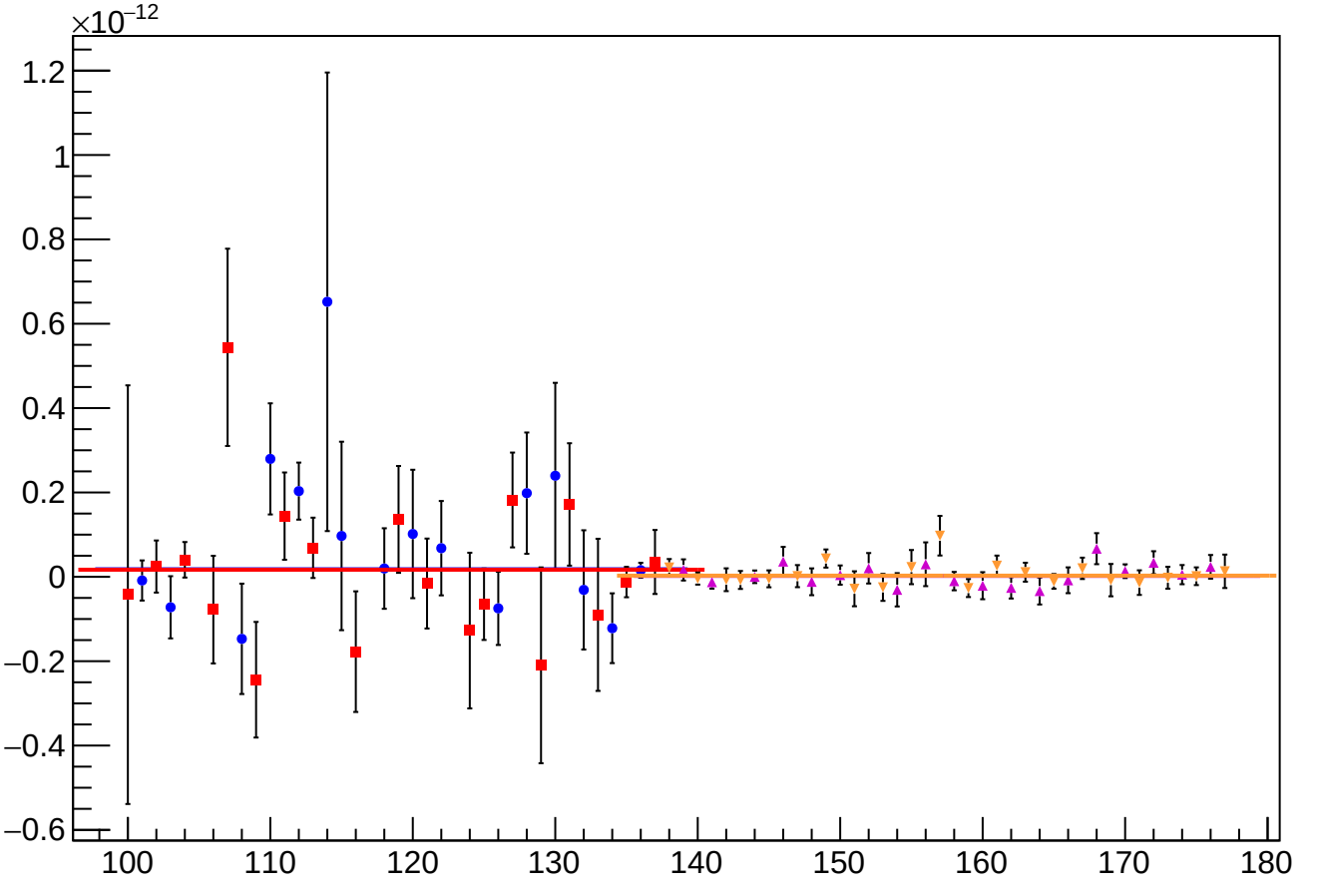
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1484.278+/-0.266 χ^2/NDF:29271.6/18

+ sign 1535.158+/-0.224 χ^2/NDF: 973019.7/36

All: 1539.679+/-0.160 χ^2/NDF: 1435922.9/74

- sign 1544.423+/-0.230 χ^2/NDF: 462070.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

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

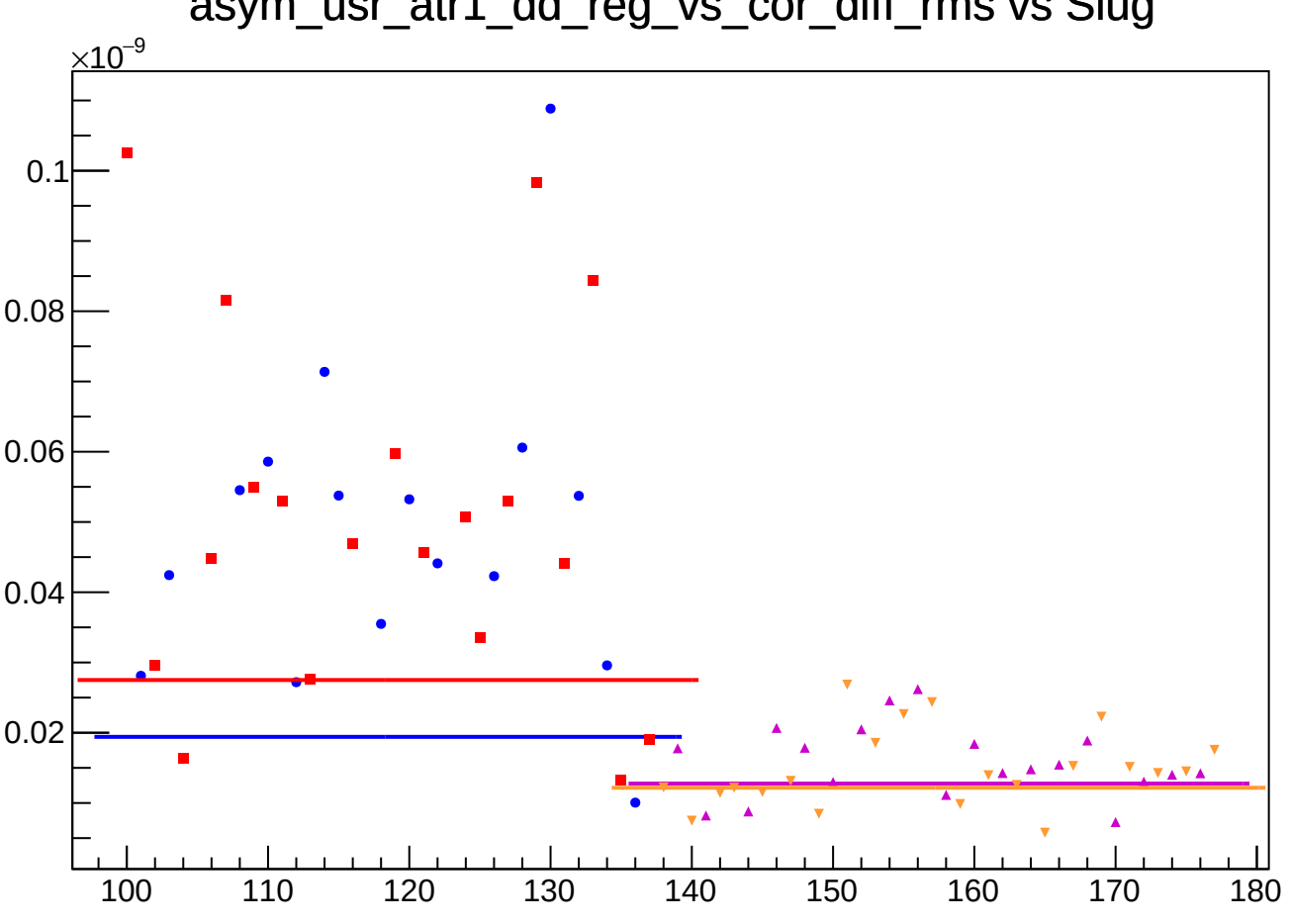
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 40.0/36

All: 0.000+/-0.000 χ^2/NDF: 74.4/74

- sign 0.000+/-0.000 χ^2/NDF: 34.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1443957.8/20

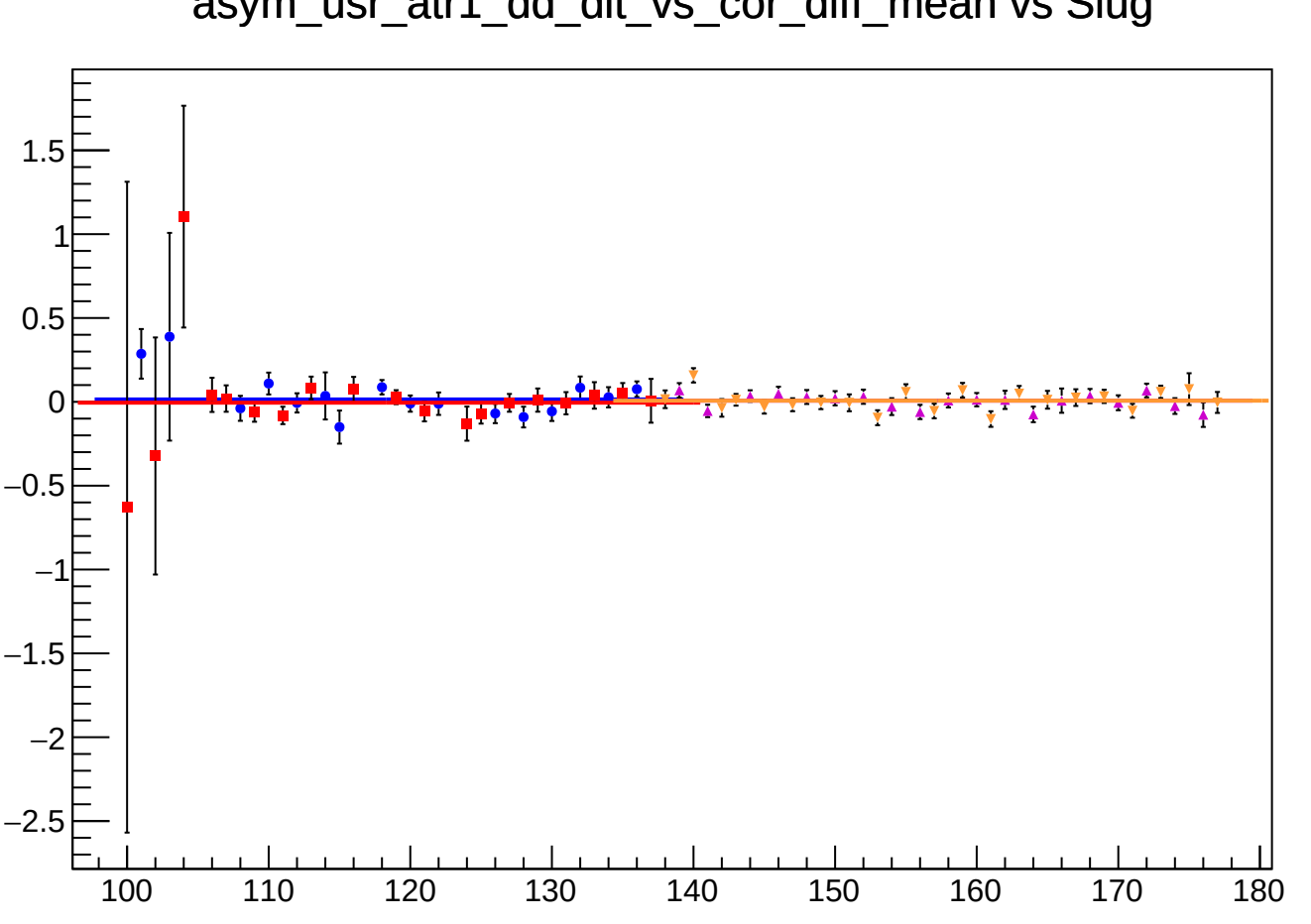
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1350694.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4167728.2/36

All: 0.000+/-0.000 χ^2/NDF: 8296319.7/74

- sign 0.000+/-0.000 χ^2/NDF: 4096444.7/37



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

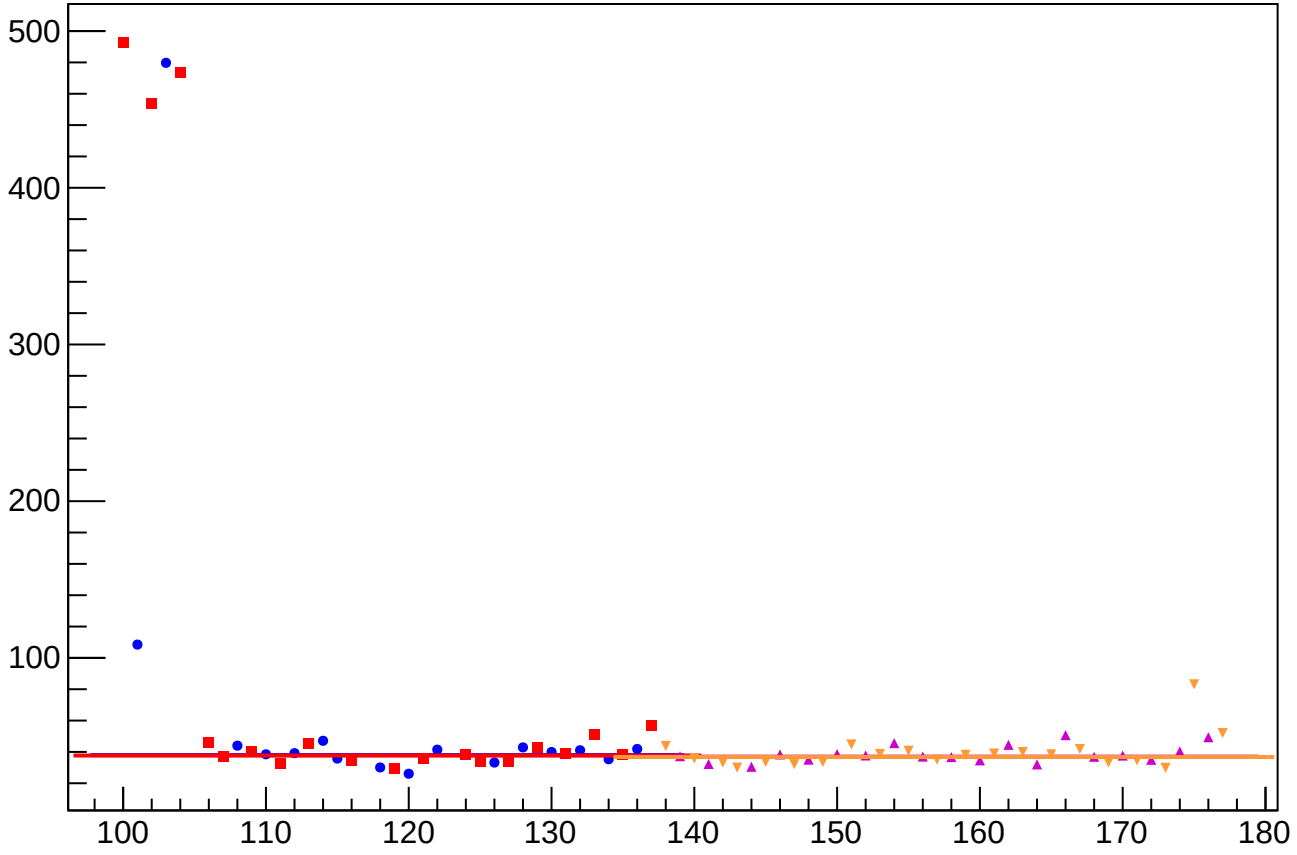
Left In: 0.007+/-0.010 χ^2/NDF:17.6/18

+ sign 0.009+/-0.008 χ^2/NDF: 58.7/36

All: 0.006+/-0.006 χ^2/NDF: 91.8/74

- sign 0.004+/-0.009 χ^2/NDF: 32.9/37

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: 36.739+/-0.007 χ^2/NDF:970218.1/20

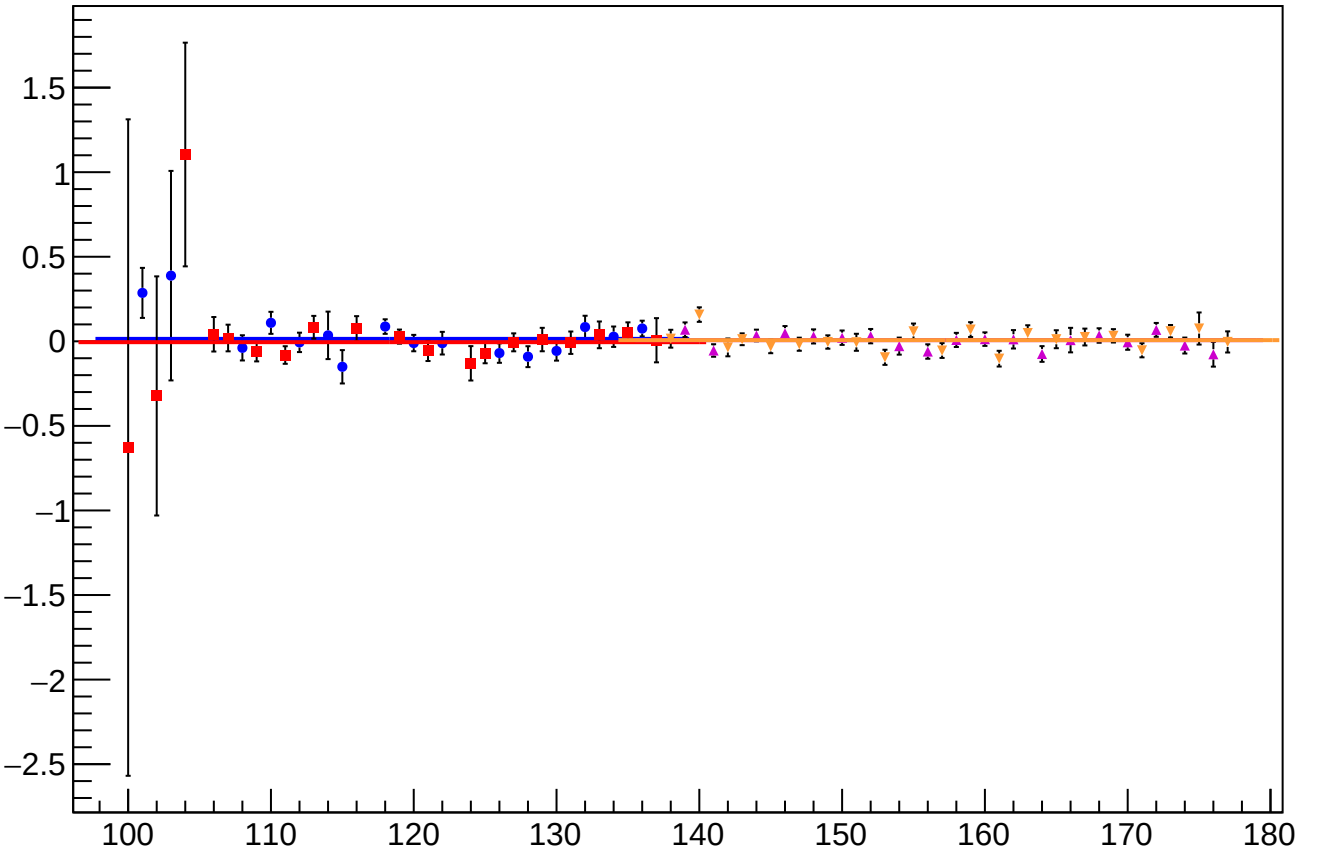
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.980+/-0.007 χ^2/NDF:383230.2/18

\+ sign 37.069+/-0.006 χ^2/NDF: 2718162.0/36

All: 37.125+/-0.004 χ^2/NDF: 5049302.0/74

\- sign 37.184+/-0.006 χ^2/NDF: 2330957.0/37



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

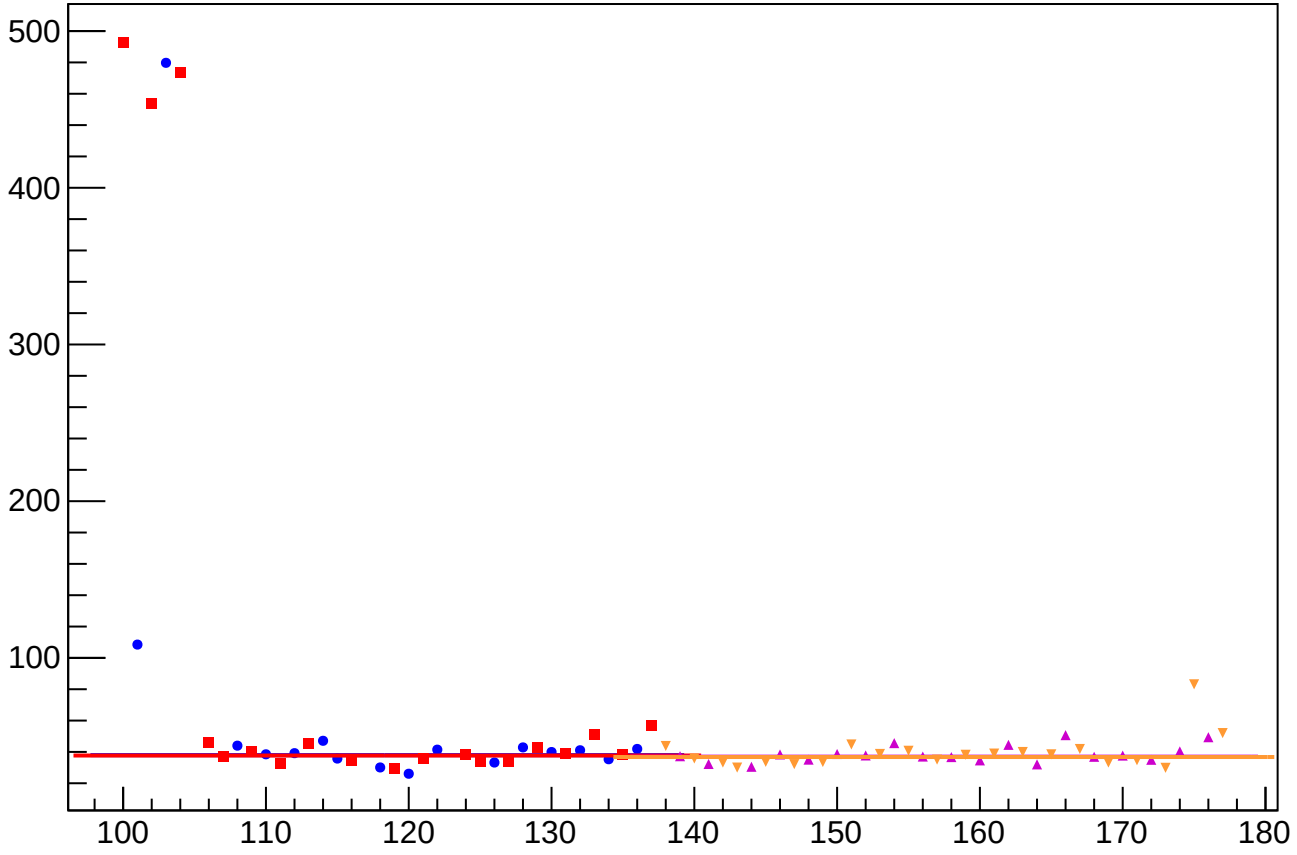
Left In: 0.007+/-0.010 χ^2/NDF:17.6/18

+ sign 0.009+/-0.008 χ^2/NDF: 58.7/36

All: 0.006+/-0.006 χ^2/NDF: 91.8/74

- sign 0.004+/-0.009 χ^2/NDF: 32.9/37

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: 36.739+/-0.007 χ^2/NDF:970218.1/20

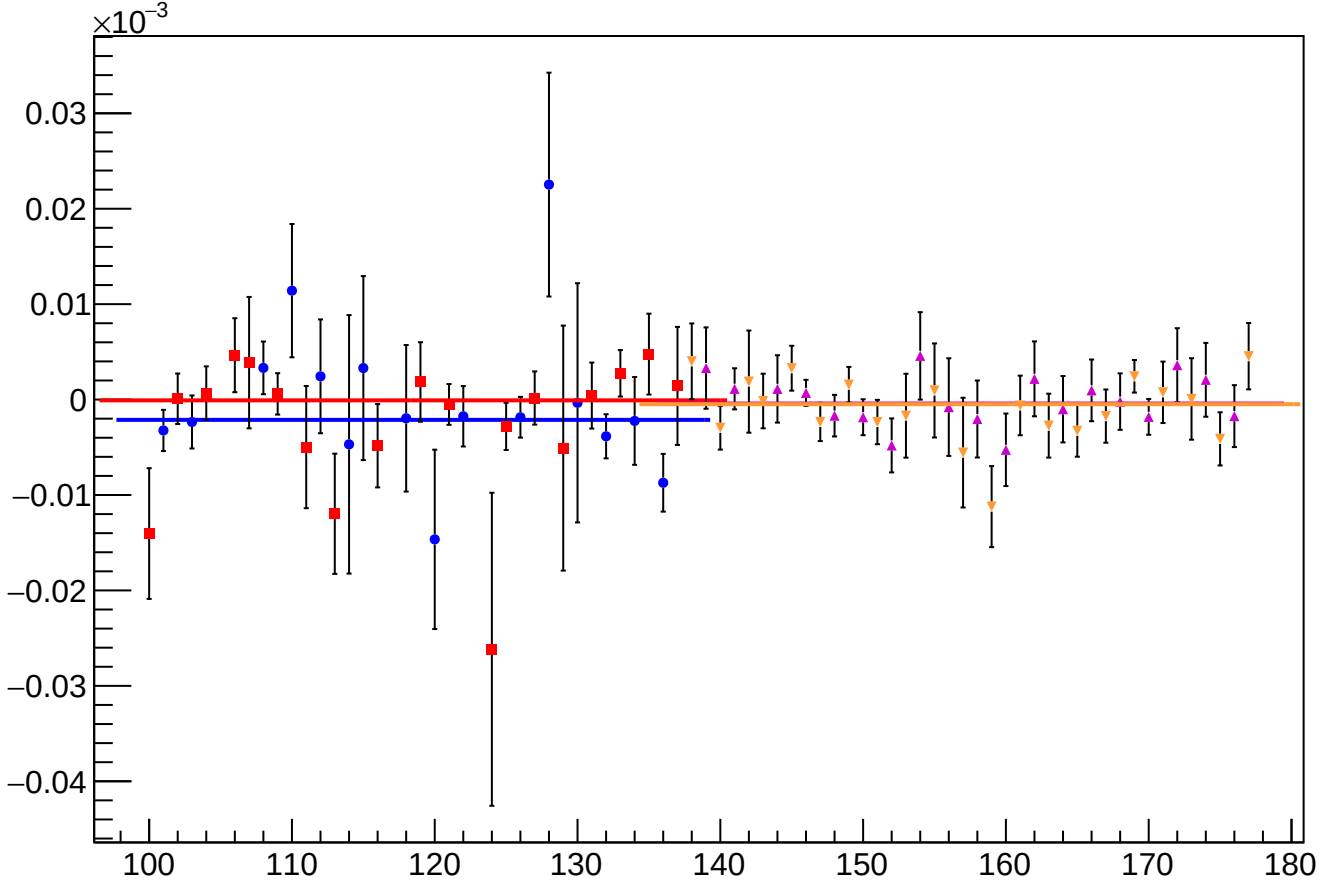
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.980+/-0.007 χ^2/NDF:383230.2/18

\+ sign 37.069+/-0.006 χ^2/NDF: 2718162.0/36

All: 37.125+/-0.004 χ^2/NDF: 5049302.0/74

\- sign 37.184+/-0.006 χ^2/NDF: 2330957.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/20

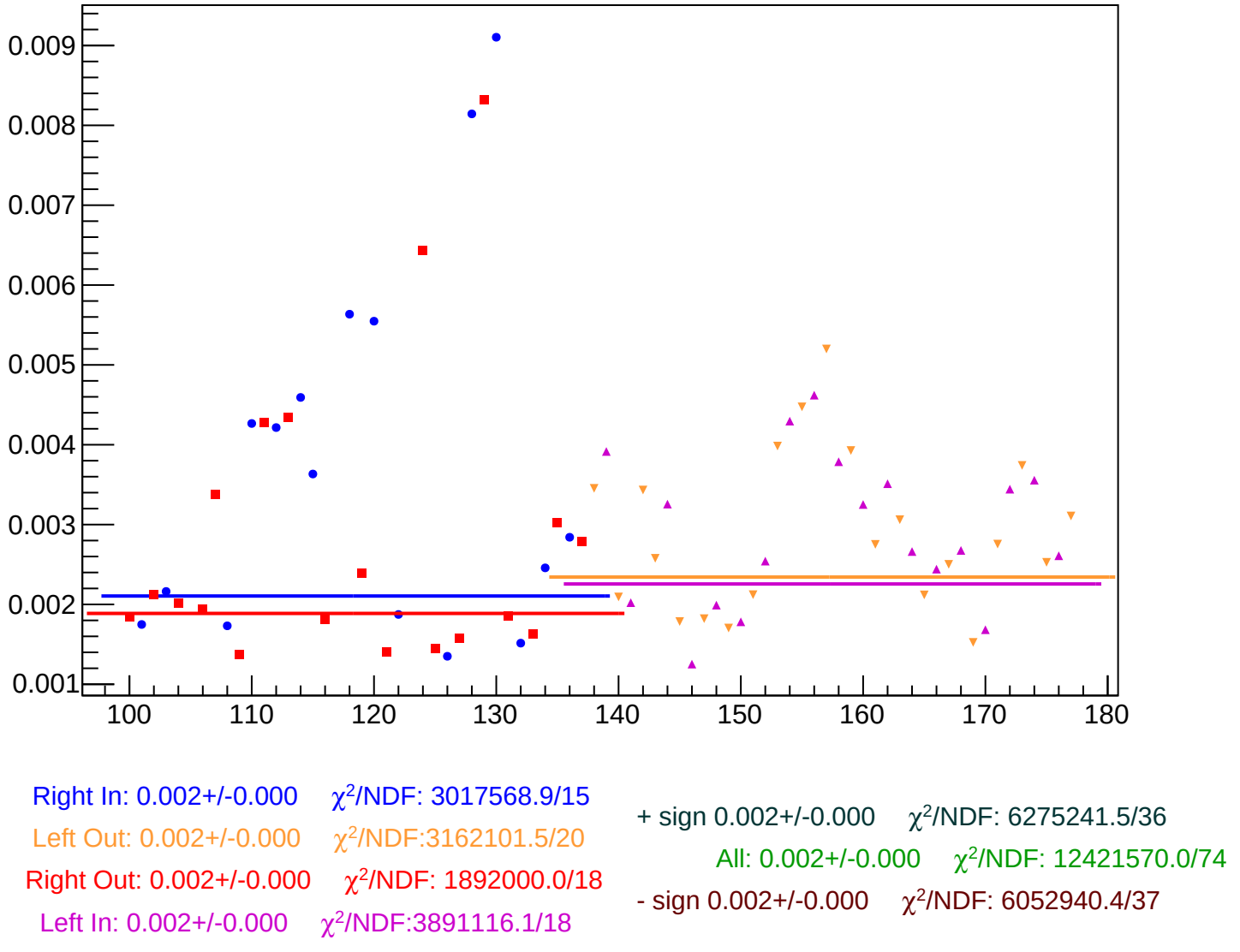
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

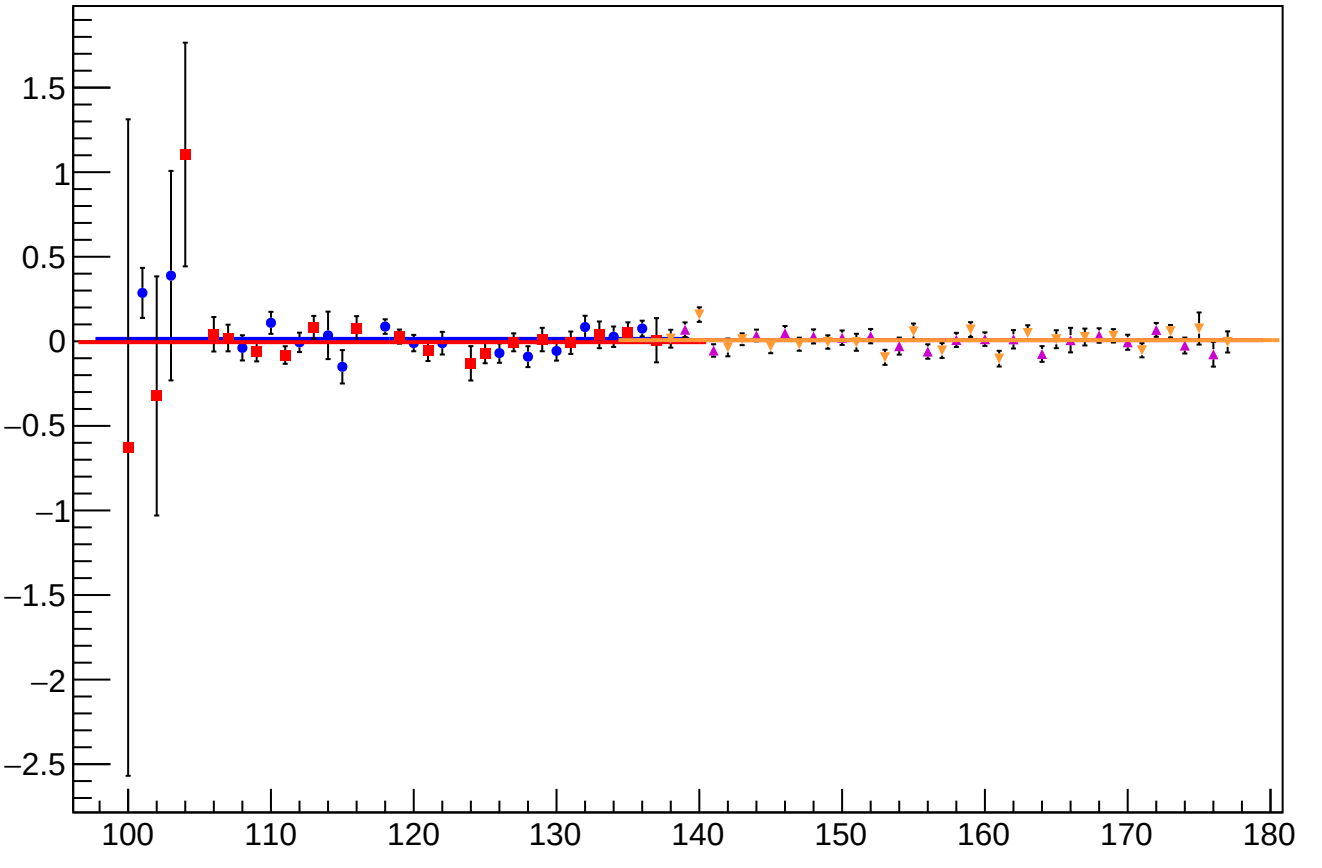
Left In: -0.000+/-0.000 χ^2/NDF:11.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/36

All: -0.000+/-0.000 χ^2/NDF: 77.4/74

- sign -0.000+/-0.000 χ^2/NDF: 29.8/37


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:3162101.5/20
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:3891116.1/18
+ sign 0.002+/-0.000 χ²/NDF: 6275241.5/36
All: 0.002+/-0.000 χ²/NDF: 12421570.0/74
- sign 0.002+/-0.000 χ²/NDF: 6052940.4/37



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

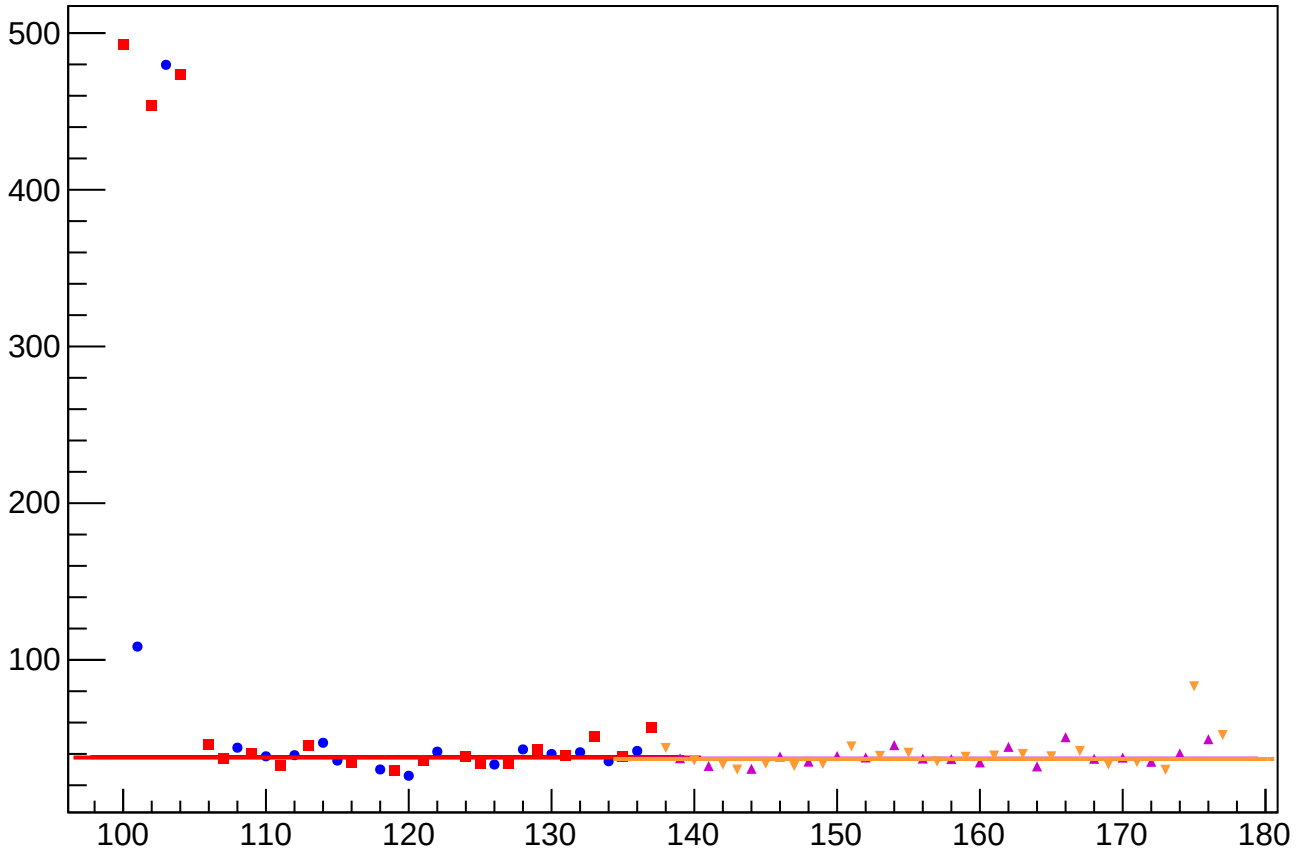
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.007+/-0.010 χ^2/NDF:17.6/18

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/36

All: 0.006+/-0.006 χ^2/NDF: 91.8/74

- sign 0.004+/-0.009 χ^2/NDF: 32.9/37



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.739+/-0.007 χ^2/NDF:970235.2/20

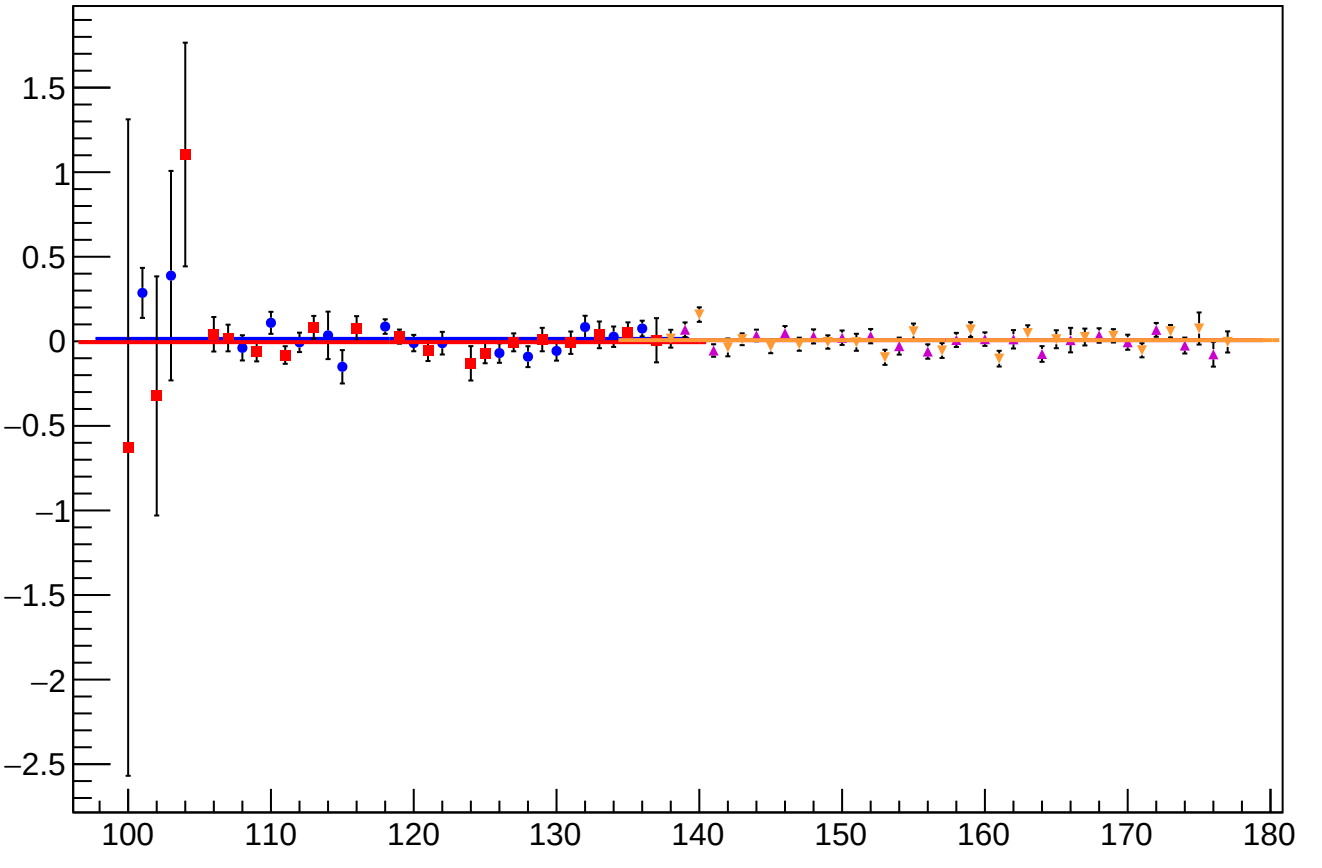
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.980+/-0.007 χ^2/NDF:383272.8/18

\+ sign 37.069+/-0.006 χ^2/NDF: 2718185.5/36

All: 37.125+/-0.004 χ^2/NDF: 5049437.4/74

\- sign 37.183+/-0.006 χ^2/NDF: 2331070.0/37



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

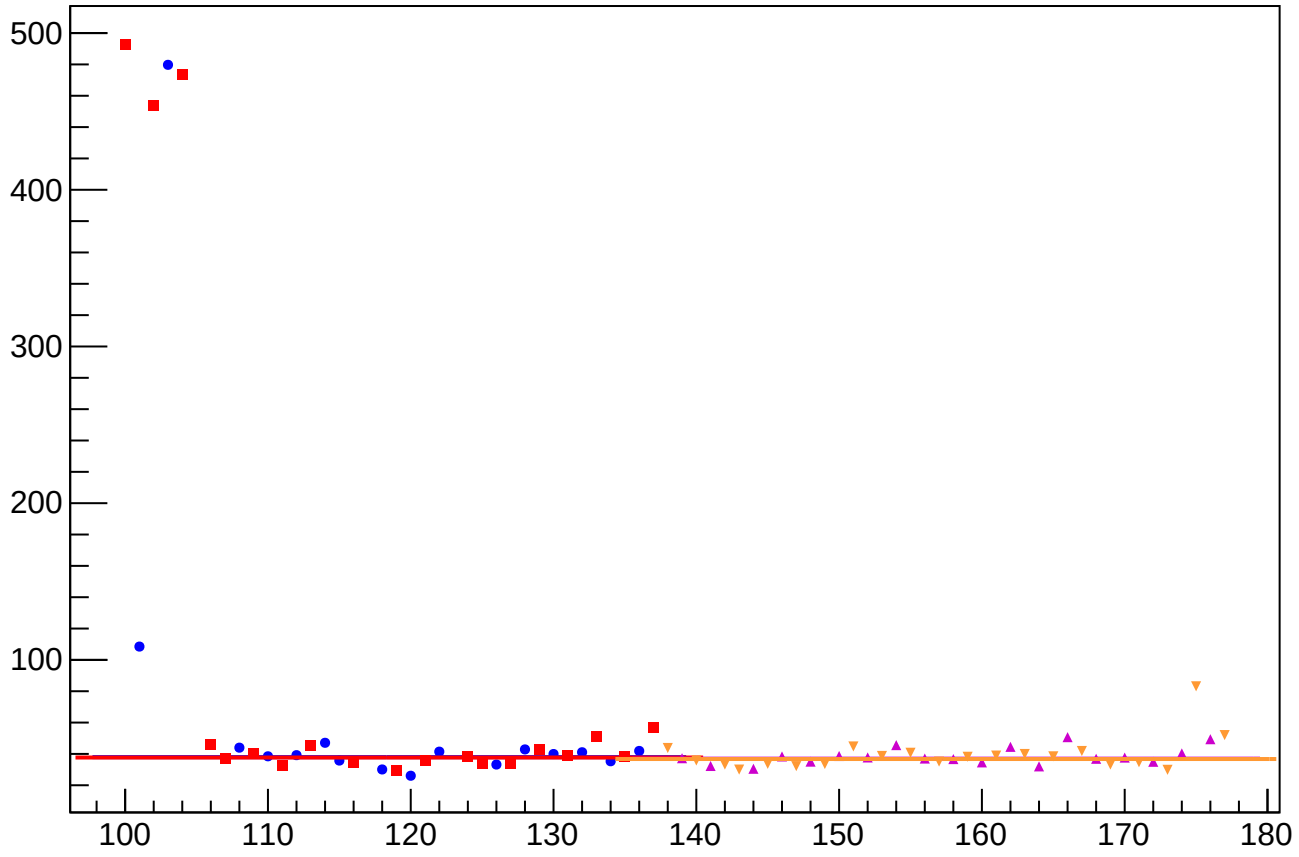
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.007+/-0.010 χ^2/NDF:17.6/18

+ sign 0.009+/-0.008 χ^2/NDF: 58.6/36

All: 0.006+/-0.006 χ^2/NDF: 91.8/74

- sign 0.004+/-0.009 χ^2/NDF: 32.9/37



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.739+/-0.007 χ^2/NDF:970235.2/20

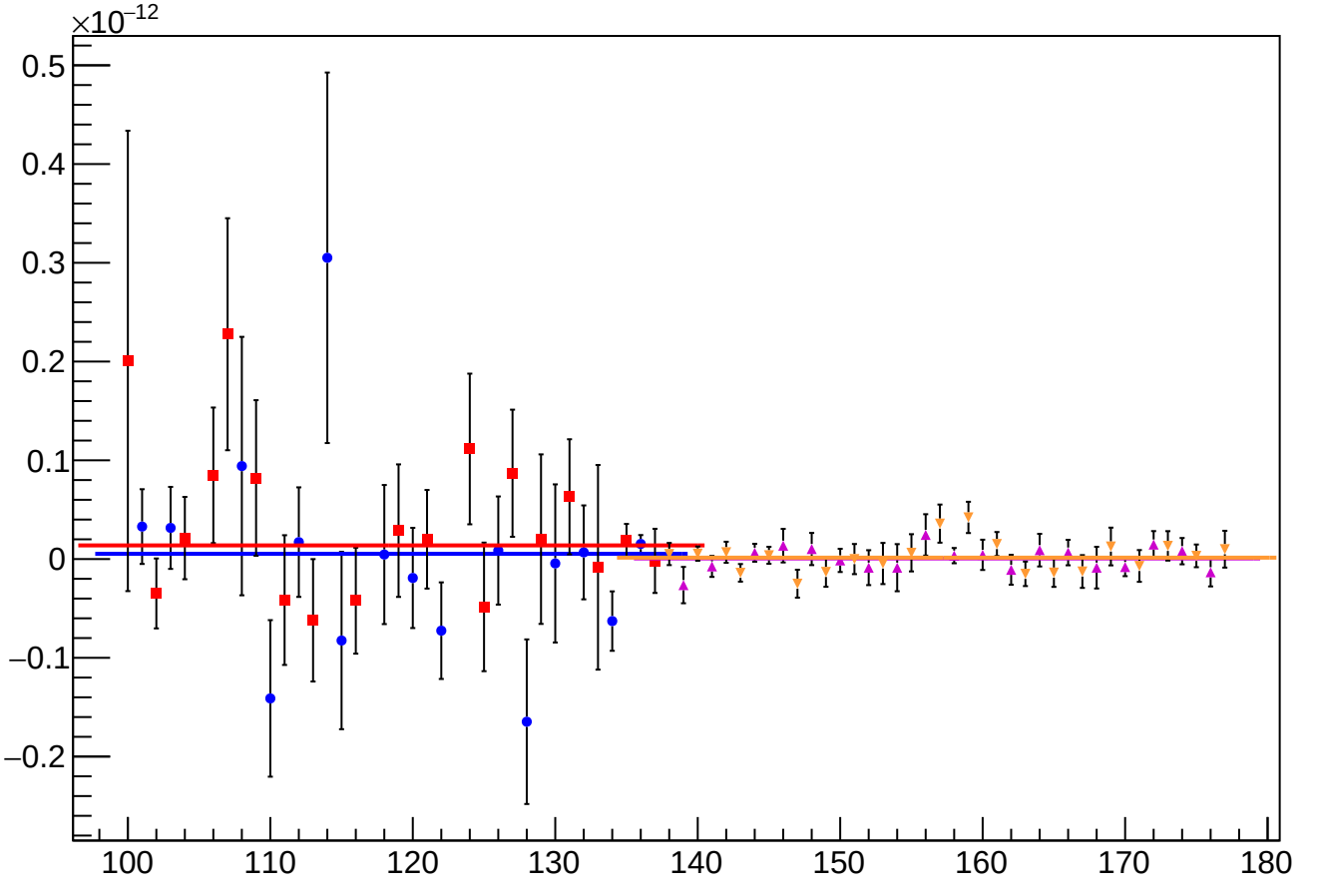
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.980+/-0.007 χ^2/NDF:383272.8/18

+ sign 37.069+/-0.006 χ^2/NDF: 2718185.5/36

All: 37.125+/-0.004 χ^2/NDF: 5049437.4/74

- sign 37.183+/-0.006 χ^2/NDF: 2331070.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/20

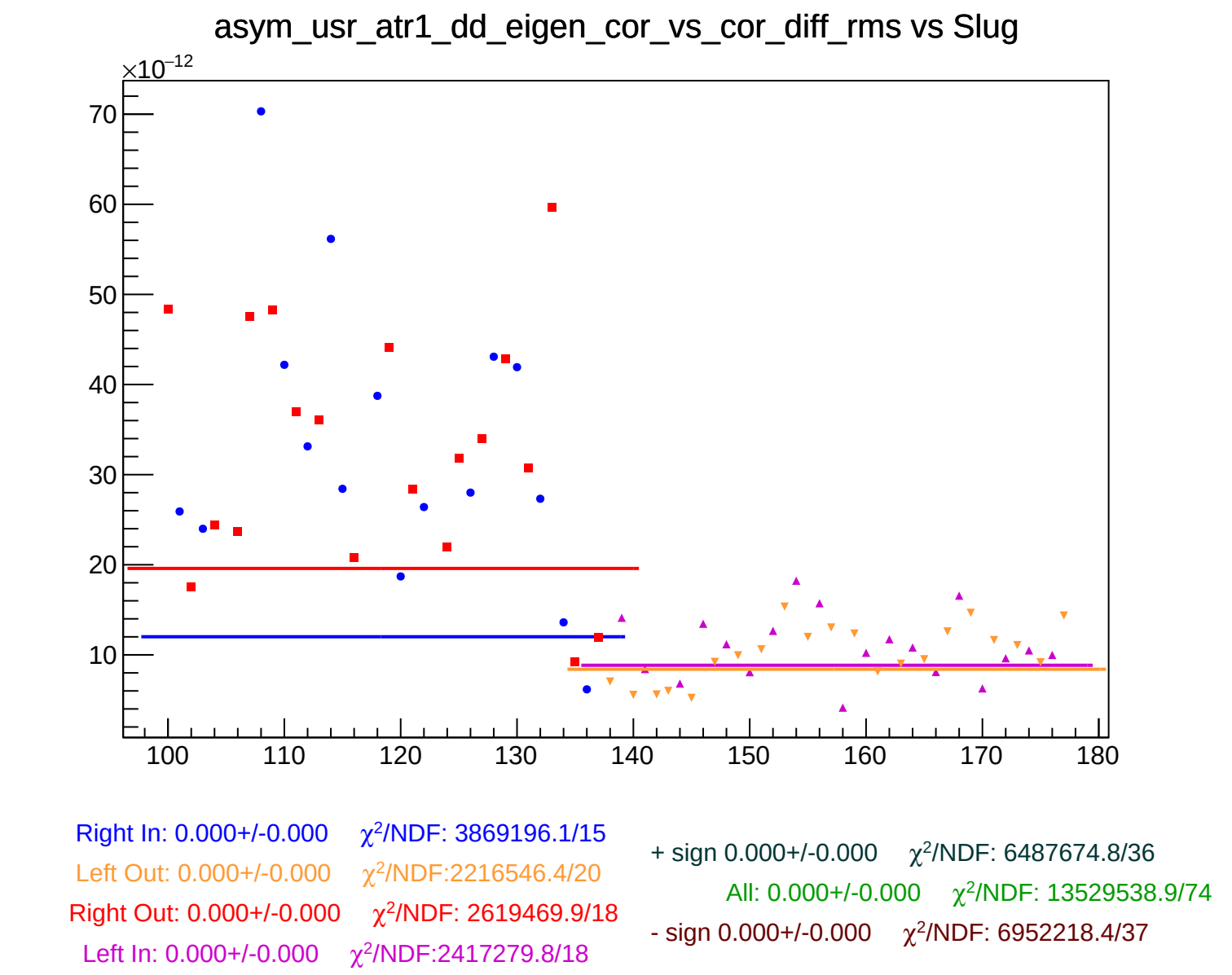
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/18

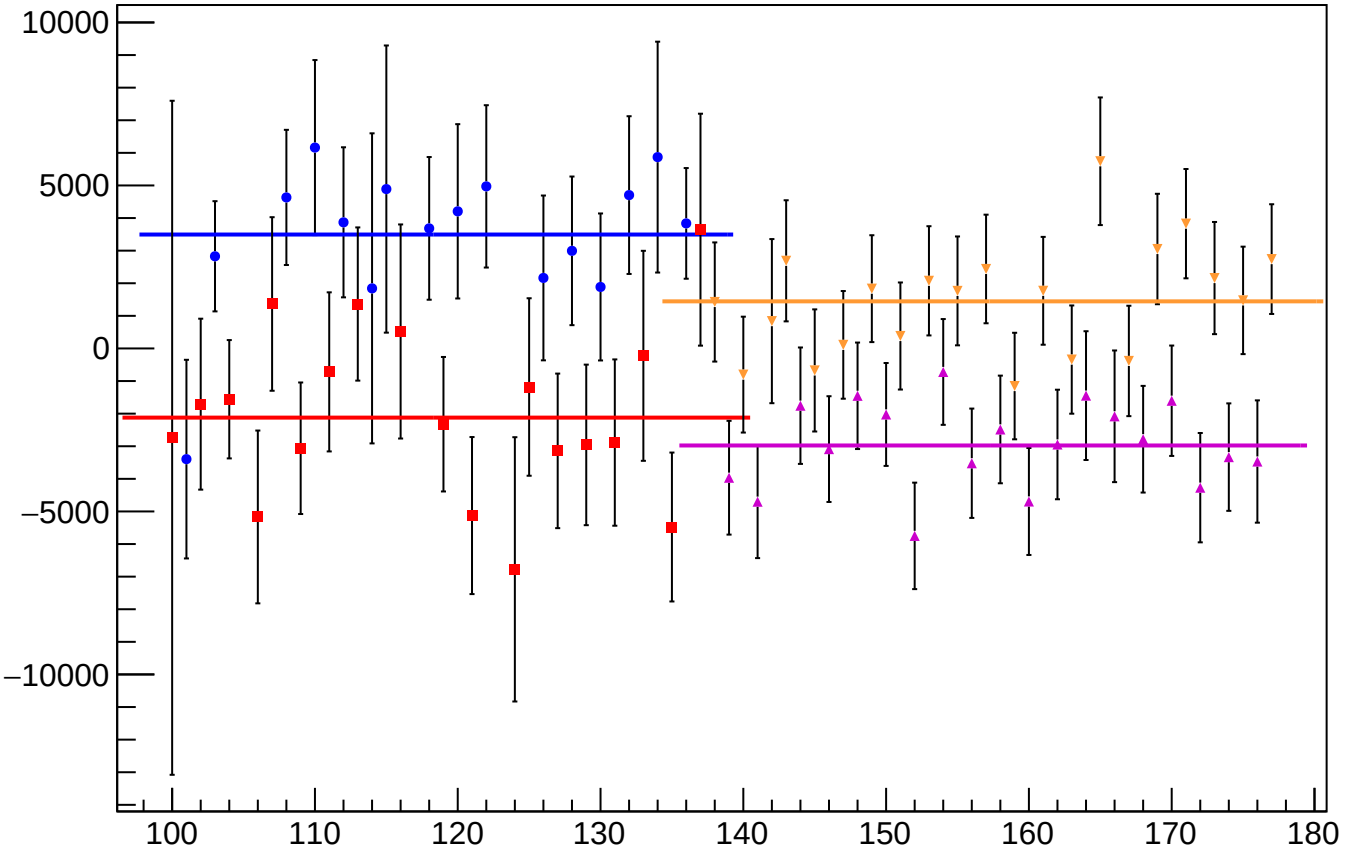
+ sign 0.000+/-0.000 χ^2/NDF: 46.4/36

All: 0.000+/-0.000 χ^2/NDF: 74.2/74

- sign 0.000+/-0.000 χ^2/NDF: 27.9/37


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2216546.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2417279.8/18
+ sign 0.000+/-0.000 χ²/NDF: 6487674.8/36
All: 0.000+/-0.000 χ²/NDF: 13529538.9/74
- sign 0.000+/-0.000 χ²/NDF: 6952218.4/37

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1444.653+/-377.706 χ^2/NDF:18.4/20

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

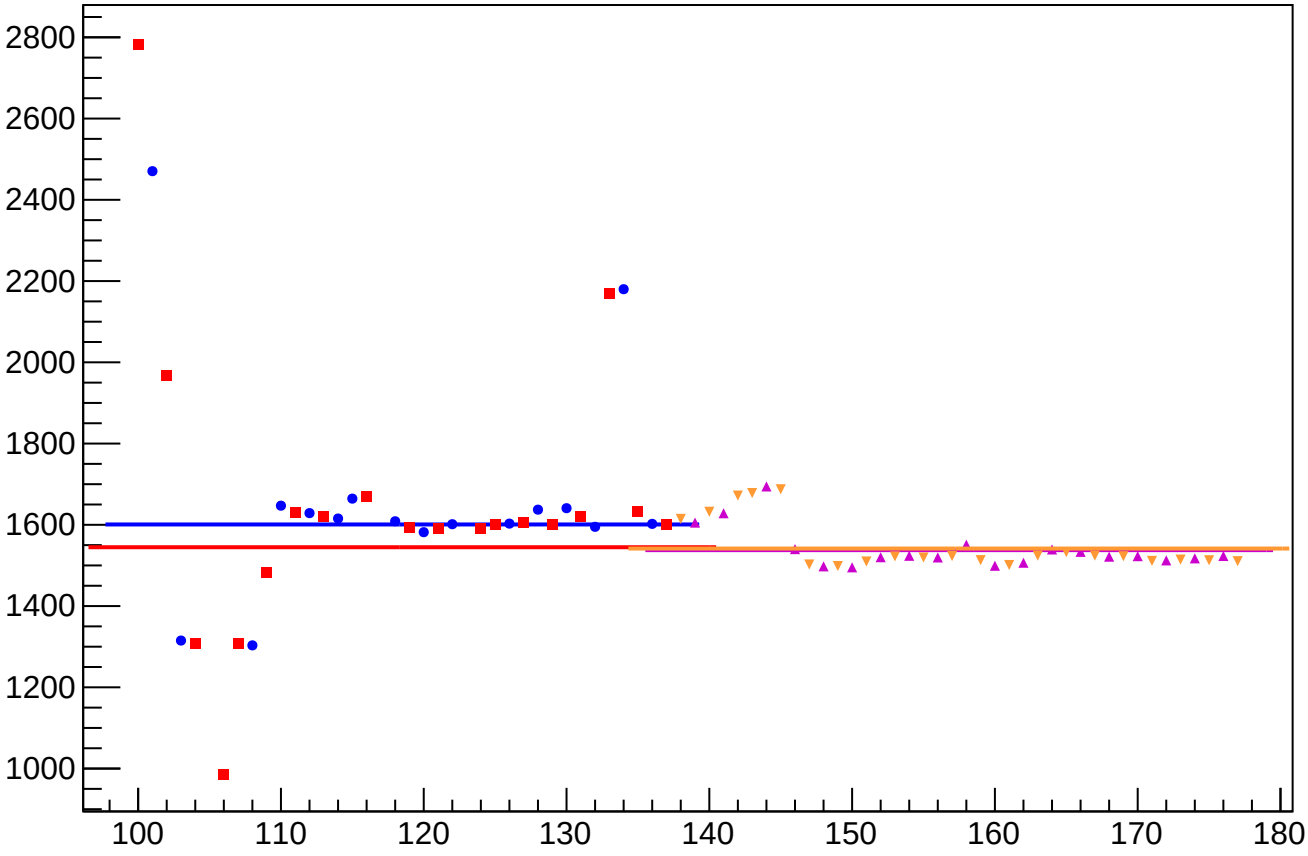
Left In: -2976.400+/-390.238 χ^2/NDF:11.3/18

+ sign 2024.748+/-319.823 χ^2/NDF: 35.6/36

All: -306.392+/-227.985 χ^2/NDF: 171.5/74

- sign -2714.822+/-325.082 χ^2/NDF: 27.9/37

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1541.605+/-0.267 χ^2/NDF:45798.2/20

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

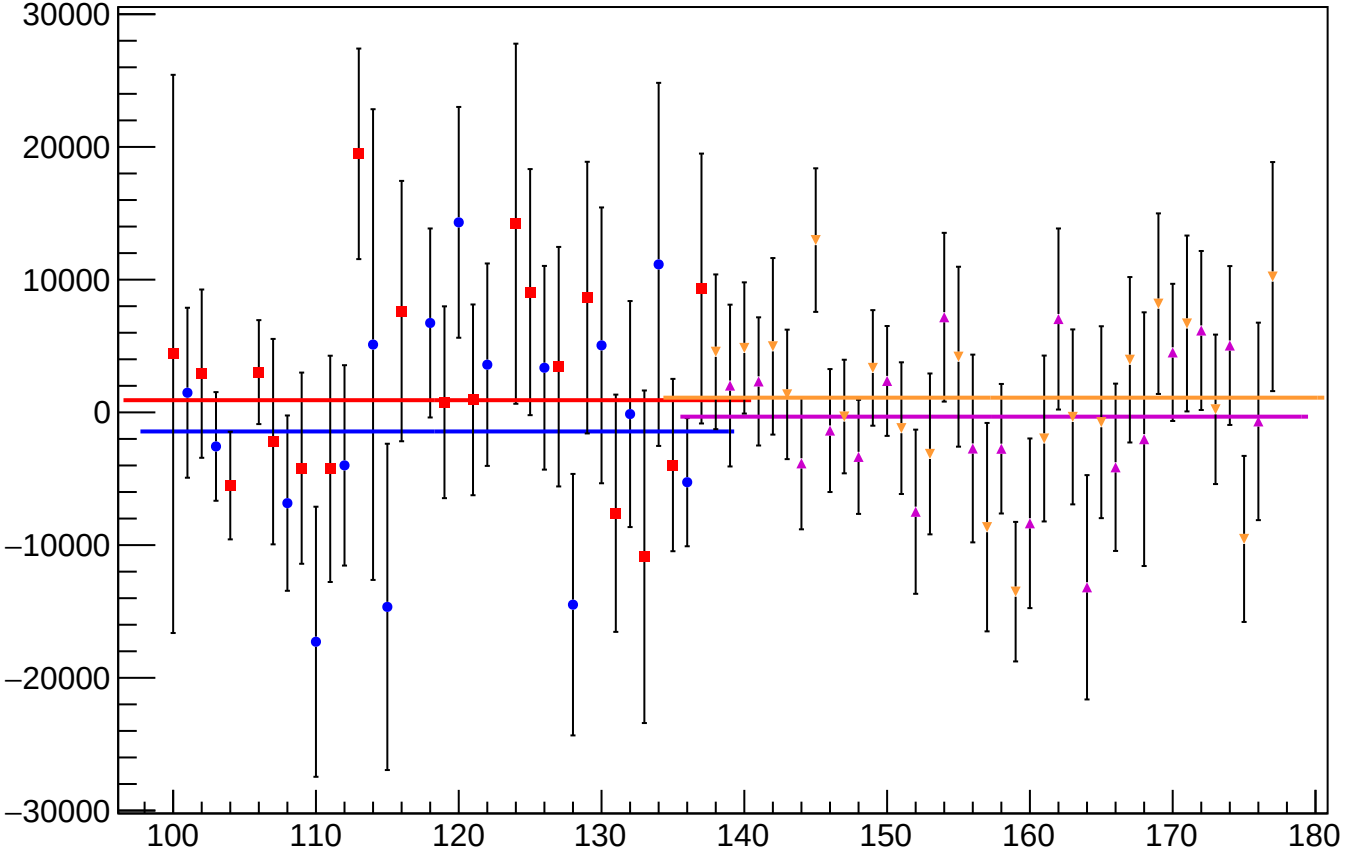
Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

+ sign 1558.380+/-0.226 χ^2/NDF: 377152.5/36

All: 1549.250+/-0.161 χ^2/NDF: 787098.2/74

- sign 1539.915+/-0.229 χ^2/NDF: 406649.3/37

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1108.173+/-1262.911 χ^2/NDF:23.0/20

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

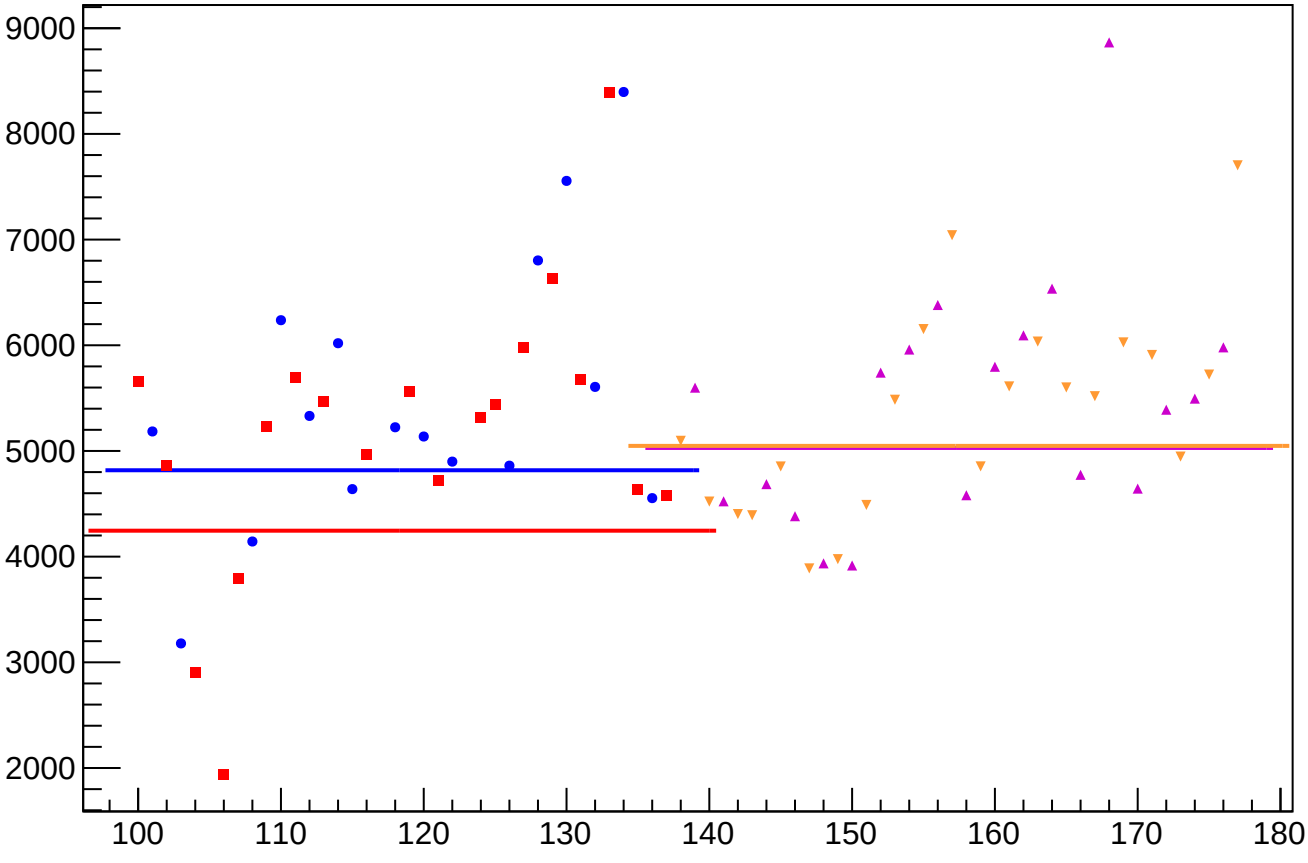
Left In: -322.882+/-1302.273 χ^2/NDF:13.3/18

\+ sign 298.053+/-1042.738 χ^2/NDF: 38.2/36

All: 221.254+/-731.618 χ^2/NDF: 67.2/74

\- sign 146.789+/-1026.775 χ^2/NDF: 29.0/37

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 5047.972+/-0.893 χ^2/NDF:941604.2/20

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

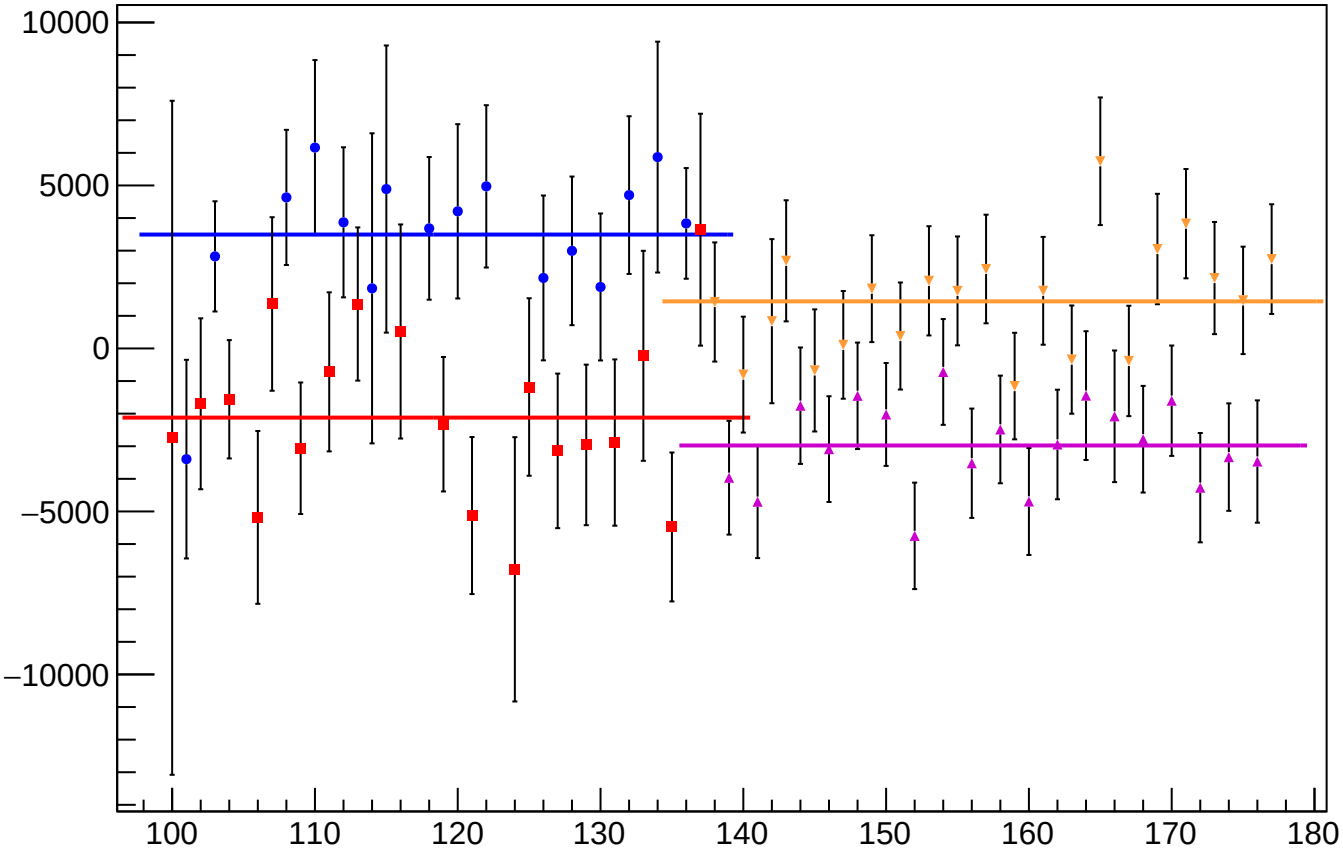
Left In: 5028.443+/-0.921 χ^2/NDF:1051043.5/18

\+ sign 4974.567+/-0.737 χ^2/NDF: 1758263.8/36

All: 4851.529+/-0.517 χ^2/NDF: 4820802.3/74

\- sign 4732.229+/-0.726 χ^2/NDF: 3007693.2/37

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1444.561+/-377.706 χ^2/NDF:18.4/20

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

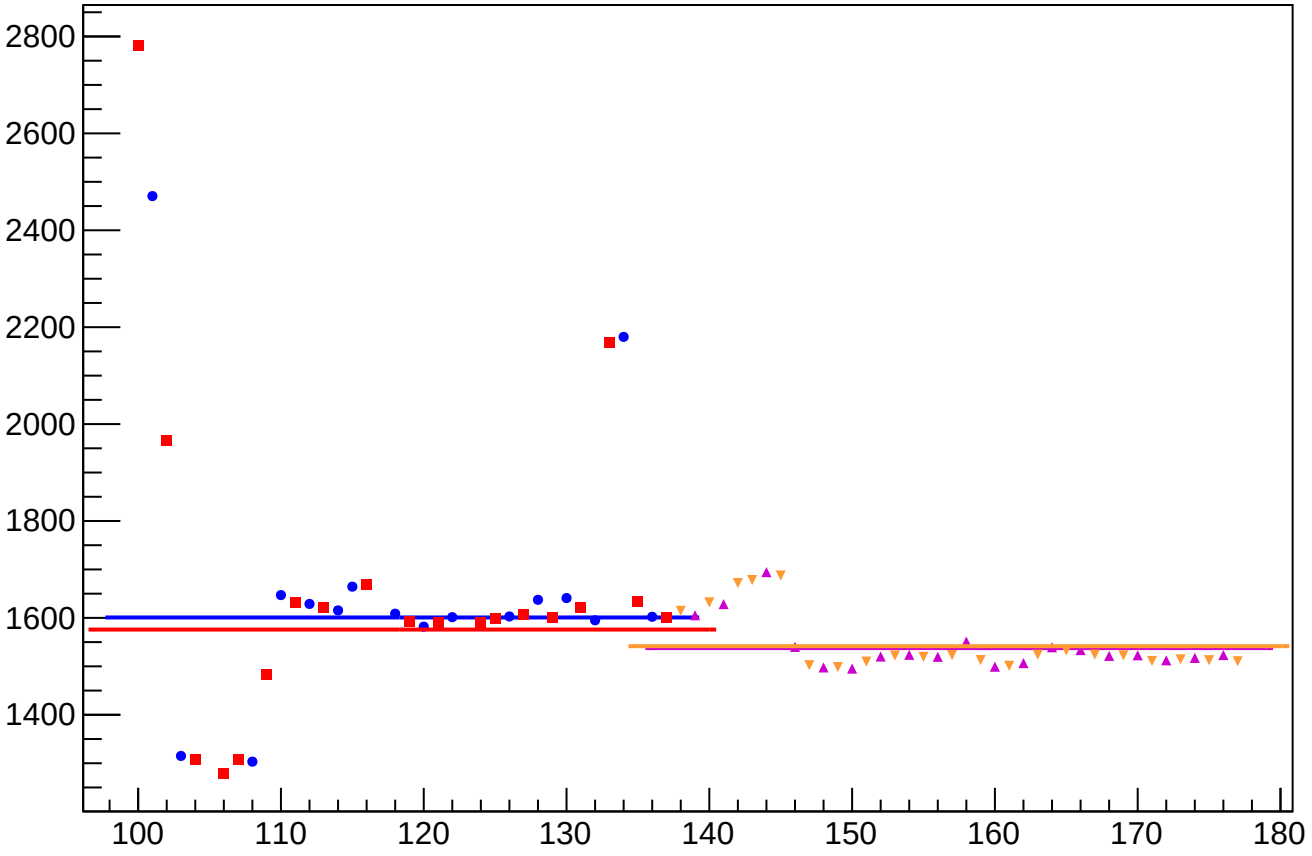
Left In: -2976.327+/-390.238 χ^2/NDF:11.3/18

+ sign 2024.588+/-319.823 χ^2/NDF: 35.6/36

All: -306.444+/-227.986 χ^2/NDF: 171.5/74

- sign -2714.770+/-325.082 χ^2/NDF: 27.9/37

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1541.605+/-0.267 χ^2/NDF:45798.2/20

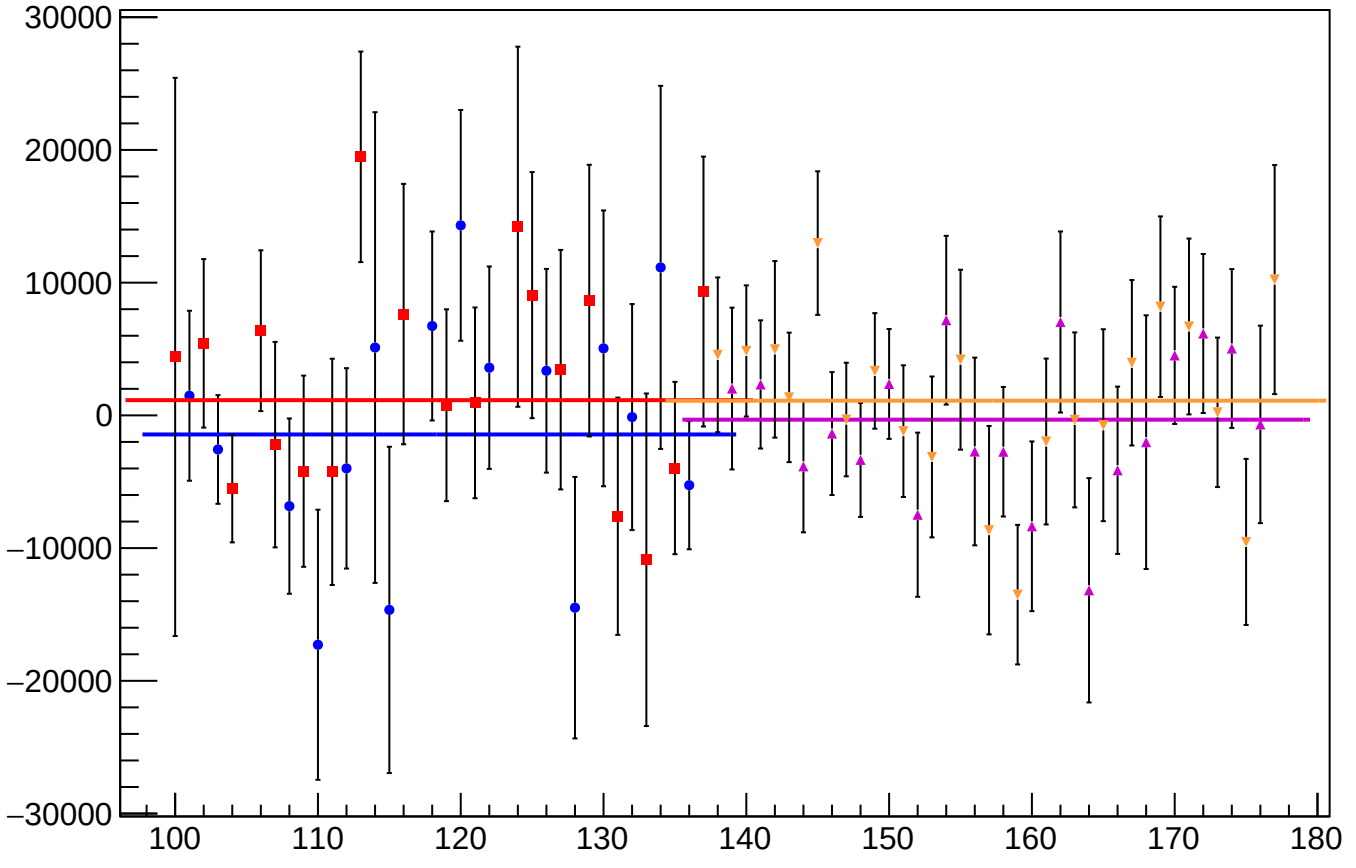
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

+ sign 1558.380+/-0.226 χ^2/NDF: 377151.7/36

All: 1553.979+/-0.161 χ^2/NDF: 657468.7/74

- sign 1549.443+/-0.230 χ^2/NDF: 279547.9/37



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1108.171+/-1262.908 χ^2/NDF:23.0/20

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

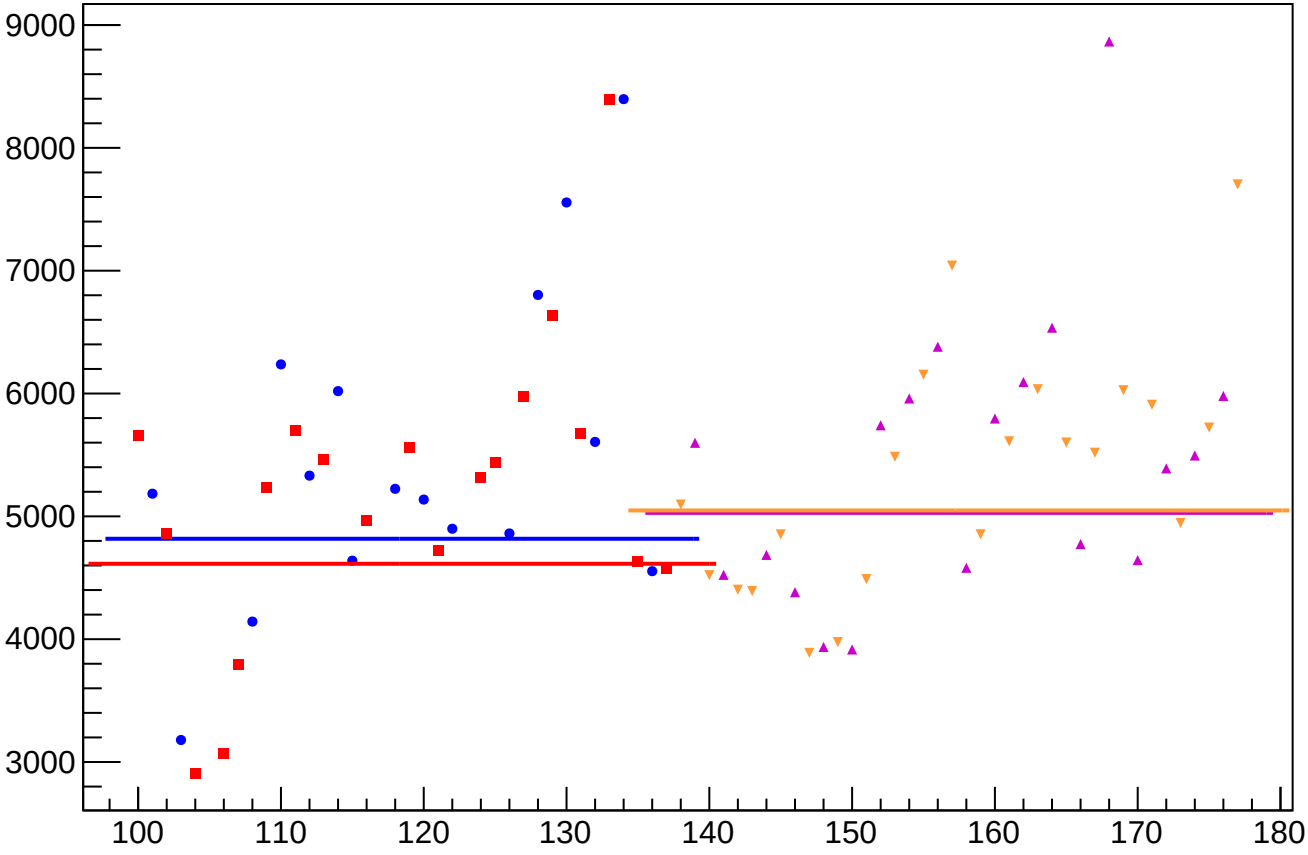
Left In: -322.913+/-1302.273 χ^2/NDF:13.3/18

+ sign 297.999+/-1042.743 χ^2/NDF: 38.2/36

All: 246.654+/-739.178 χ^2/NDF: 68.2/74

- sign 194.791+/-1047.987 χ^2/NDF: 30.0/37

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5047.961+/-0.893 χ^2/NDF:941614.2/20

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

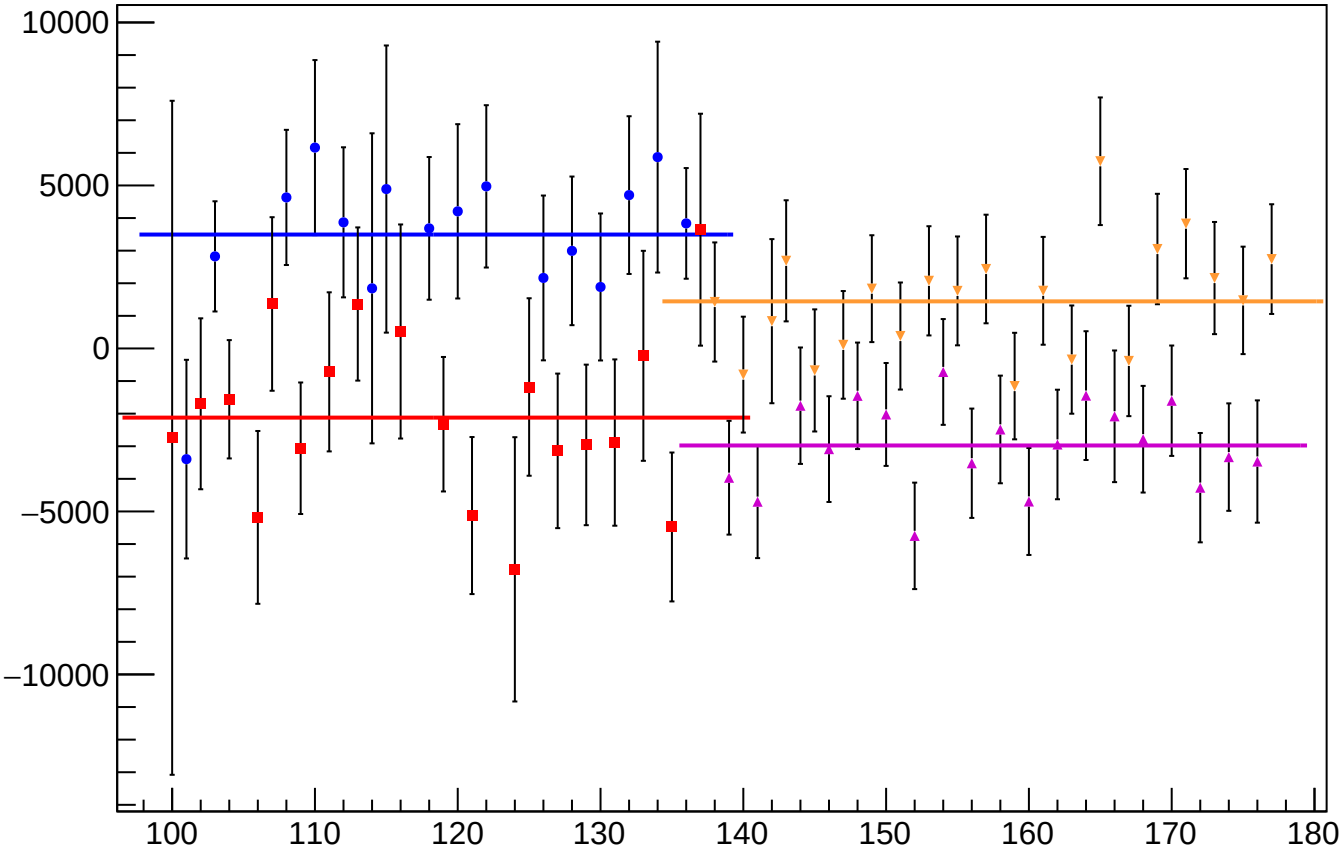
Left In: 5028.442+/-0.921 χ^2/NDF:1051045.3/18

+ sign 4974.606+/-0.737 χ^2/NDF: 1758048.5/36

All: 4928.704+/-0.523 χ^2/NDF: 3866275.1/74

- sign 4882.341+/-0.741 χ^2/NDF: 2100436.6/37

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1444.561+/-377.706 χ^2/NDF:18.4/20

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

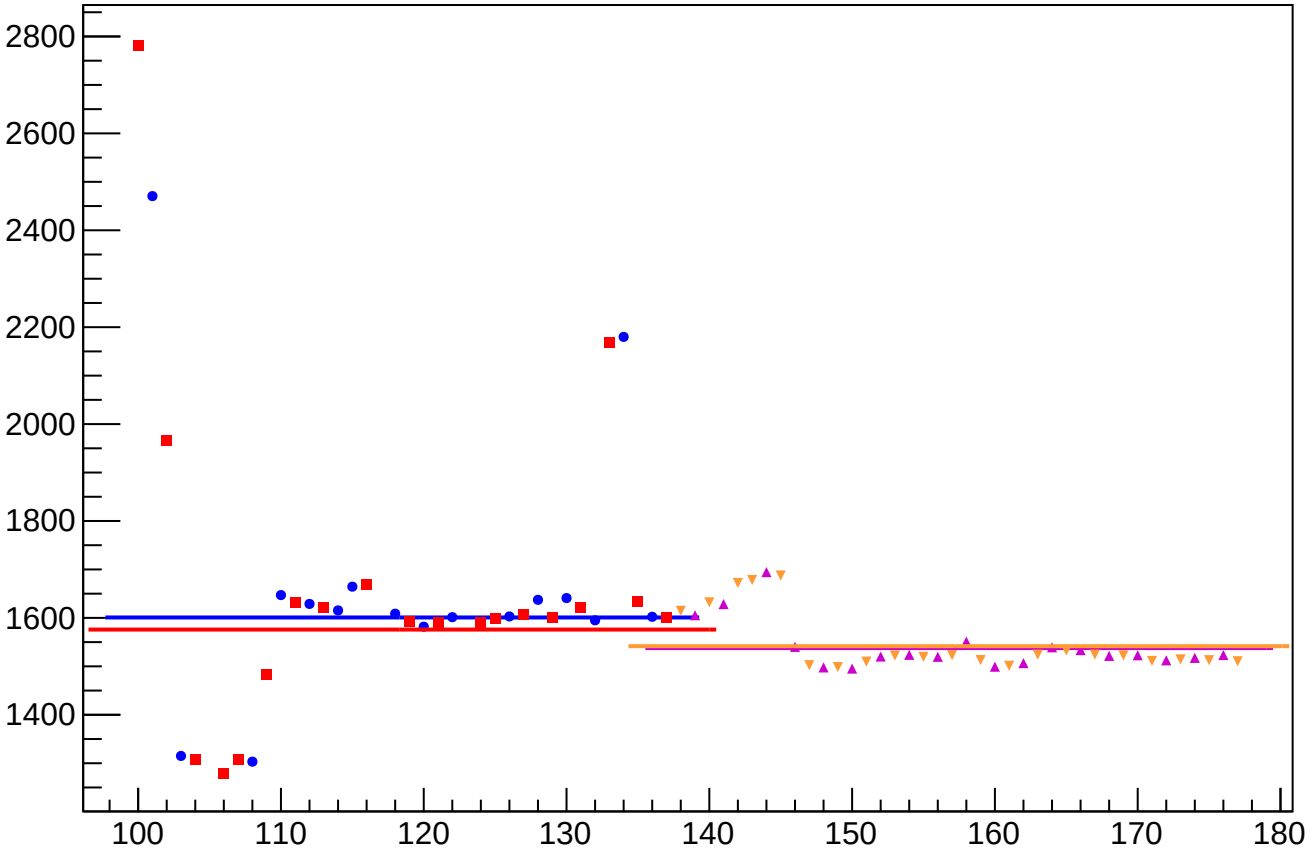
Left In: -2976.327+/-390.238 χ^2/NDF:11.3/18

+ sign 2024.588+/-319.823 χ^2/NDF: 35.6/36

All: -306.444+/-227.986 χ^2/NDF: 171.5/74

- sign -2714.770+/-325.082 χ^2/NDF: 27.9/37

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1541.605+/-0.267 χ^2/NDF:45798.2/20

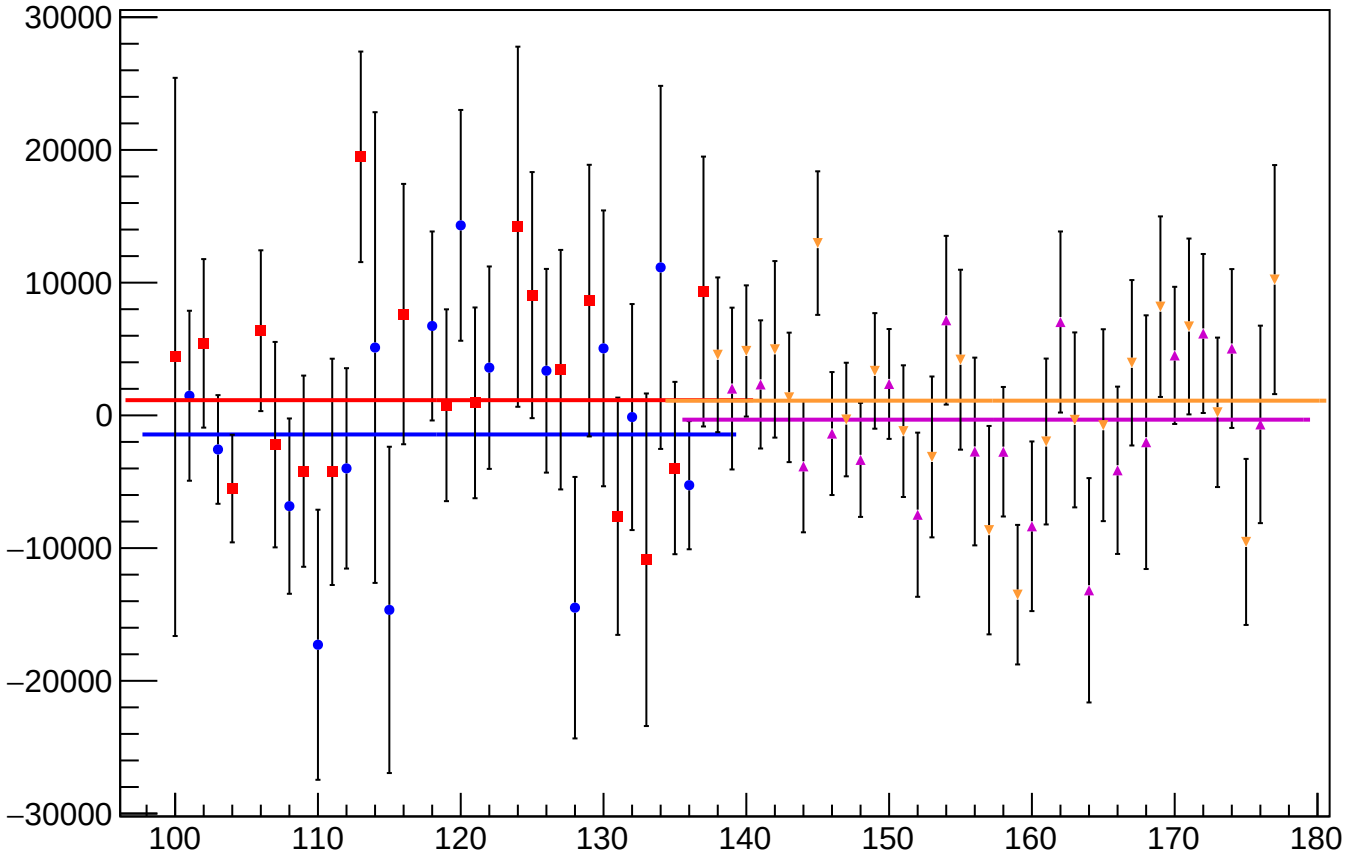
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

+ sign 1558.380+/-0.226 χ^2/NDF: 377151.7/36

All: 1553.979+/-0.161 χ^2/NDF: 657468.7/74

- sign 1549.443+/-0.230 χ^2/NDF: 279547.9/37



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1108.171+/-1262.908 χ^2/NDF:23.0/20

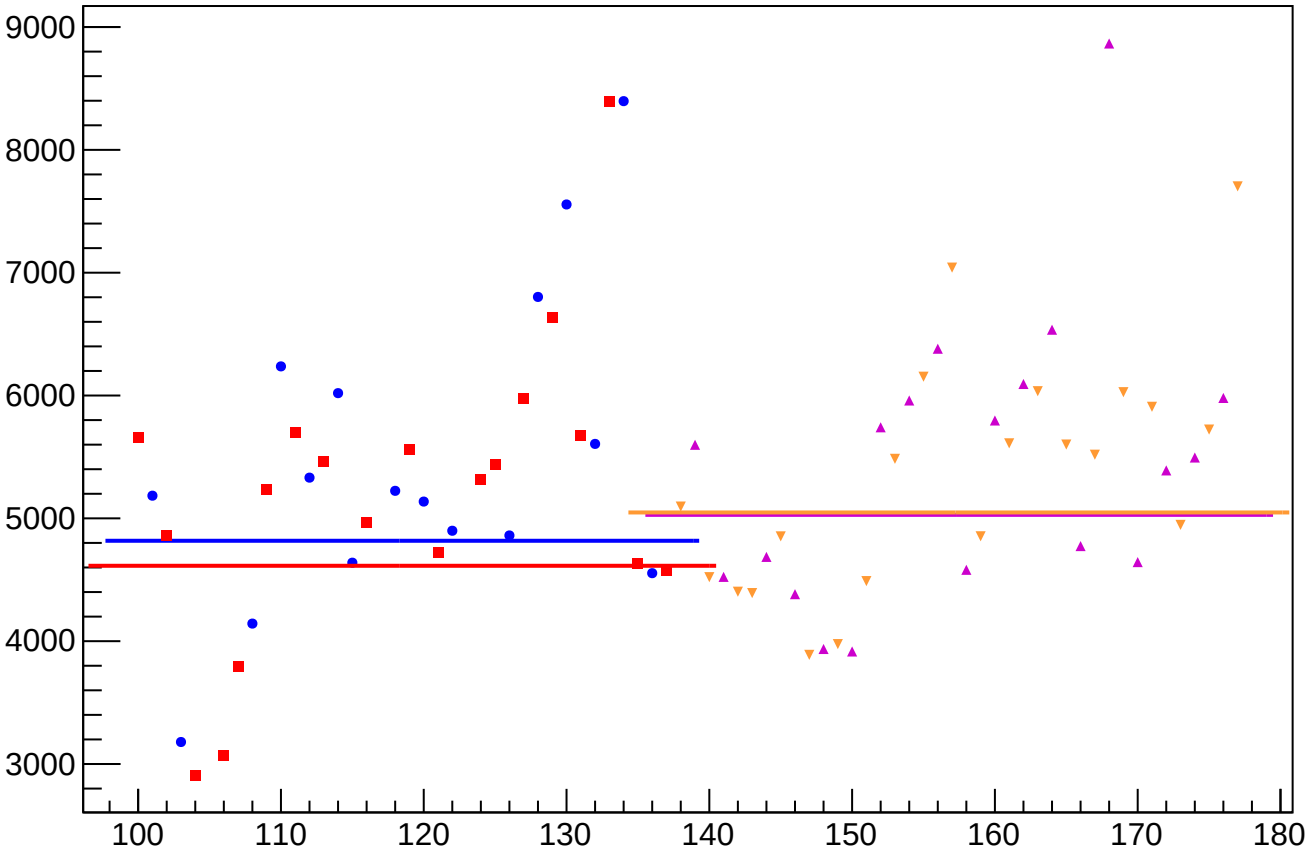
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -322.913+/-1302.273 χ^2/NDF:13.3/18

+ sign 297.999+/-1042.743 χ^2/NDF: 38.2/36

All: 246.654+/-739.178 χ^2/NDF: 68.2/74

- sign 194.791+/-1047.987 χ^2/NDF: 30.0/37



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5047.961+/-0.893 χ^2/NDF:941614.2/20

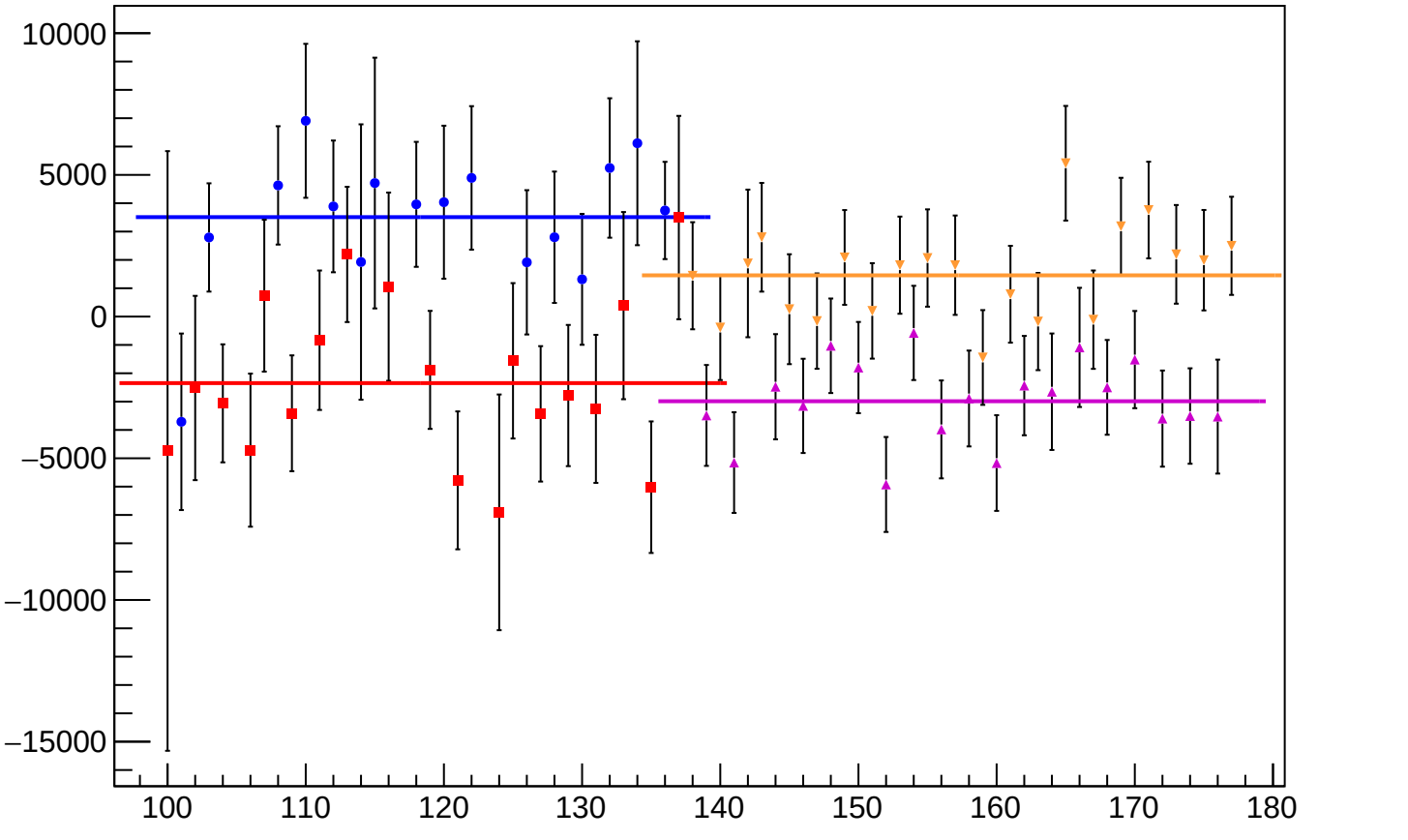
Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5028.442+/-0.921 χ^2/NDF:1051045.3/18

+ sign 4974.606+/-0.737 χ^2/NDF: 1758048.5/36

All: 4928.704+/-0.523 χ^2/NDF: 3866275.1/74

- sign 4882.341+/-0.741 χ^2/NDF: 2100436.6/37



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1455.682+/-389.004 χ^2/NDF:15.9/20

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

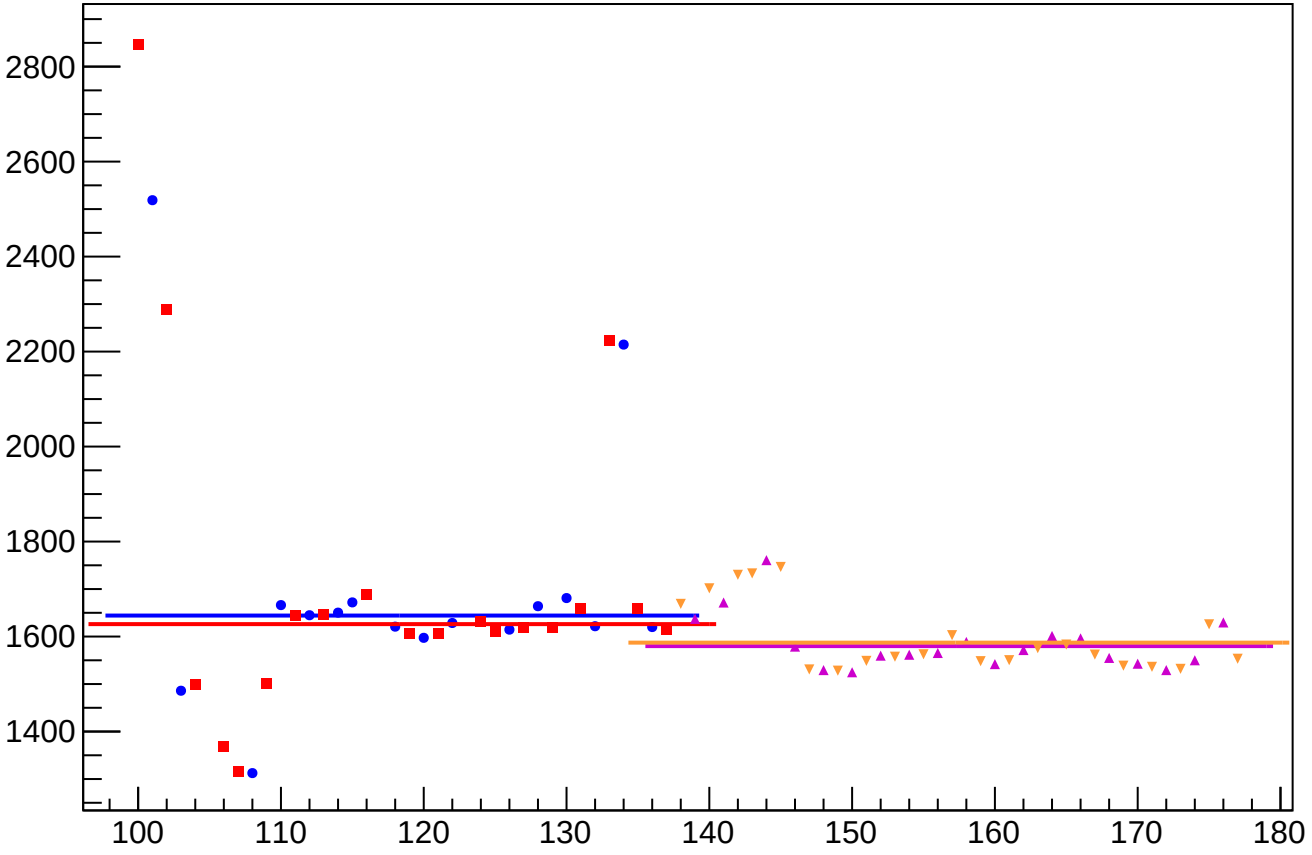
Left In: -2987.034+/-401.055 χ^2/NDF:12.8/18

+ sign 2040.240+/-329.021 χ^2/NDF: 34.2/36

All: -334.899+/-234.634 χ^2/NDF: 170.9/74

- sign -2792.718+/-334.698 χ^2/NDF: 30.7/37

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1587.196+/-0.275 χ^2/NDF:59029.8/20

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

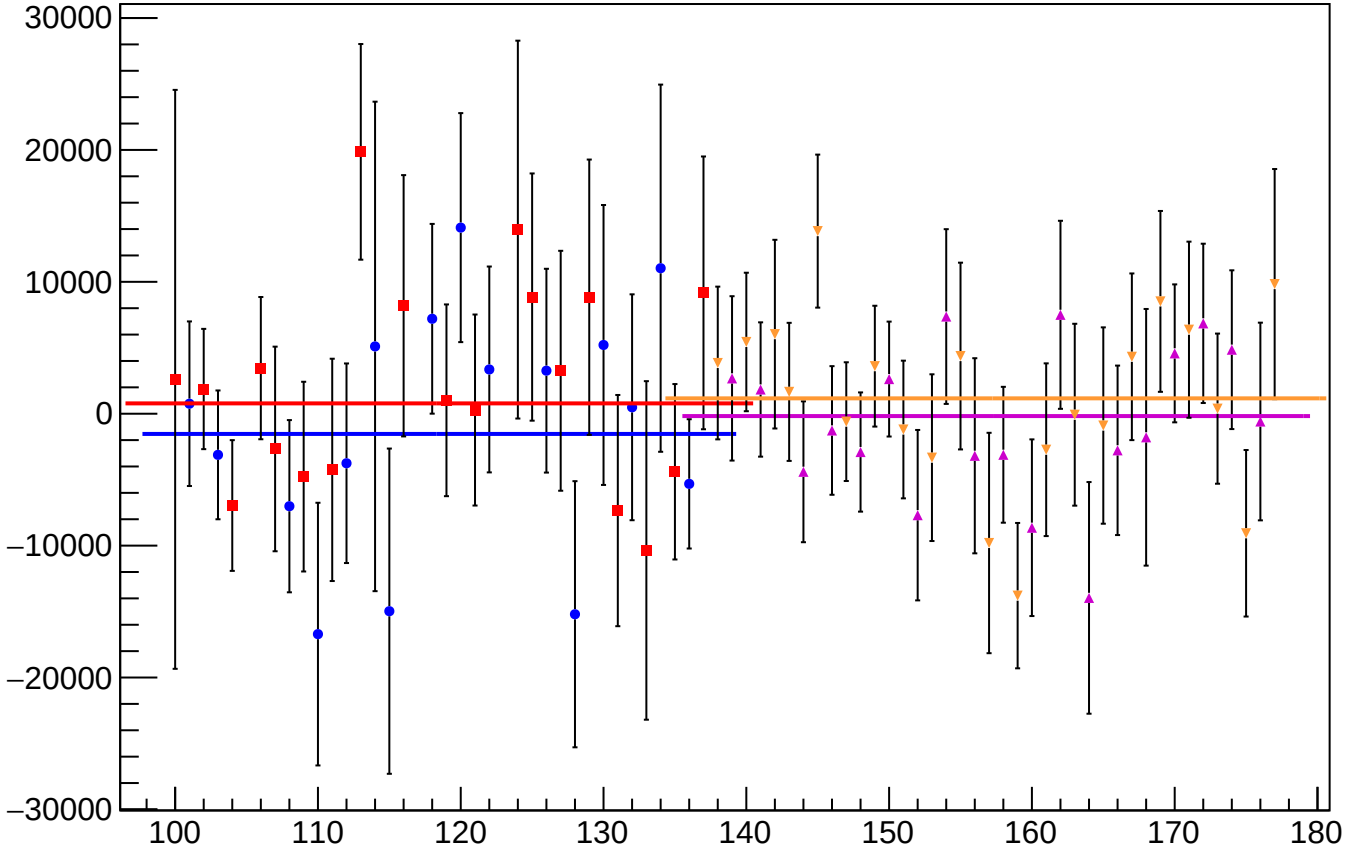
Left In: 1579.889+/-0.284 χ^2/NDF:37721.5/18

+ sign 1603.420+/-0.233 χ^2/NDF: 346070.5/36

All: 1598.767+/-0.166 χ^2/NDF: 630340.3/74

- sign 1593.955+/-0.237 χ^2/NDF: 283456.3/37

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1165.688+/-1315.180 χ^2/NDF:22.7/20

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

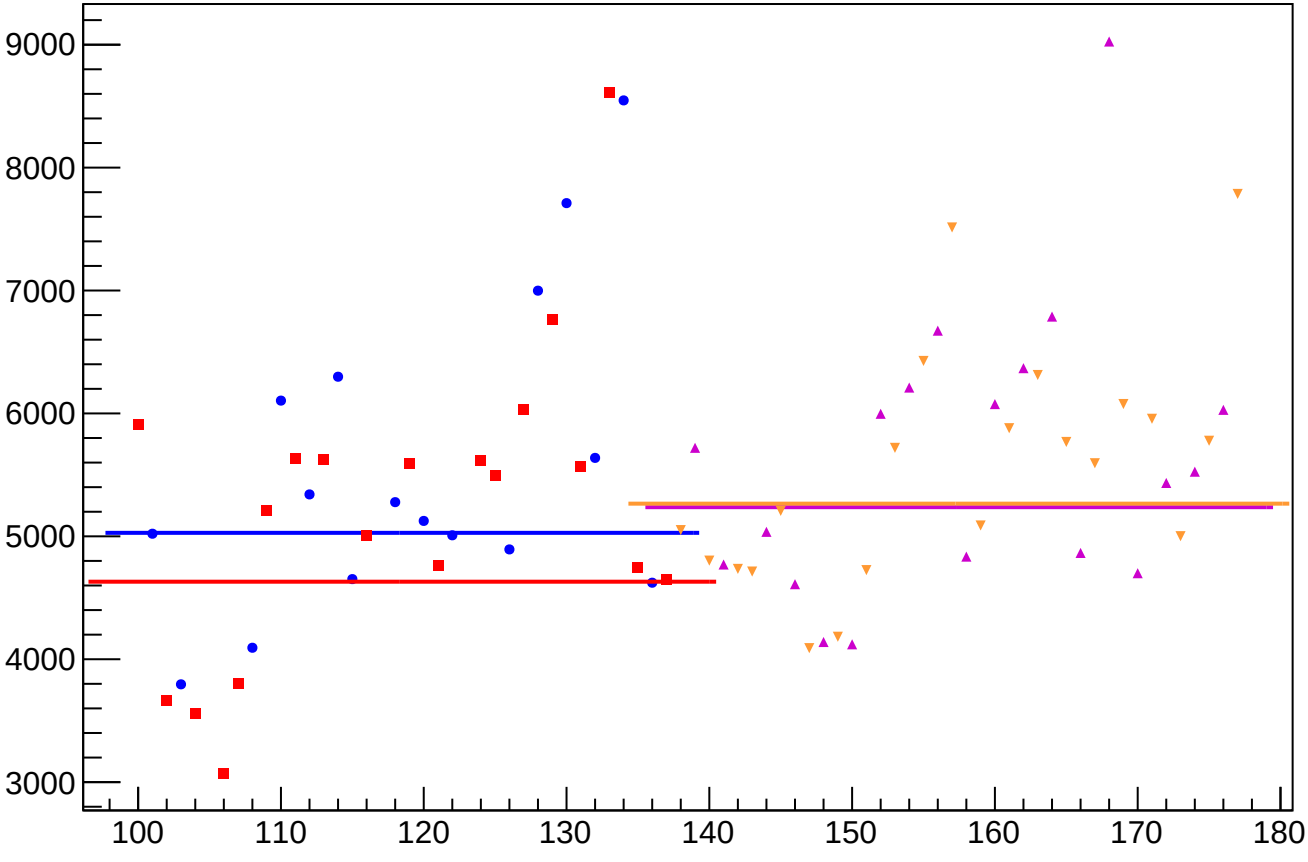
Left In: -178.026+/-1354.609 χ^2/NDF:13.3/18

\+ sign 300.314+/-1083.911 χ^2/NDF: 37.9/36

All: 240.886+/-761.785 χ^2/NDF: 66.4/74

\- sign 182.881+/-1070.861 χ^2/NDF: 28.5/37

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5265.888+/-0.930 χ^2/NDF:844361.8/20

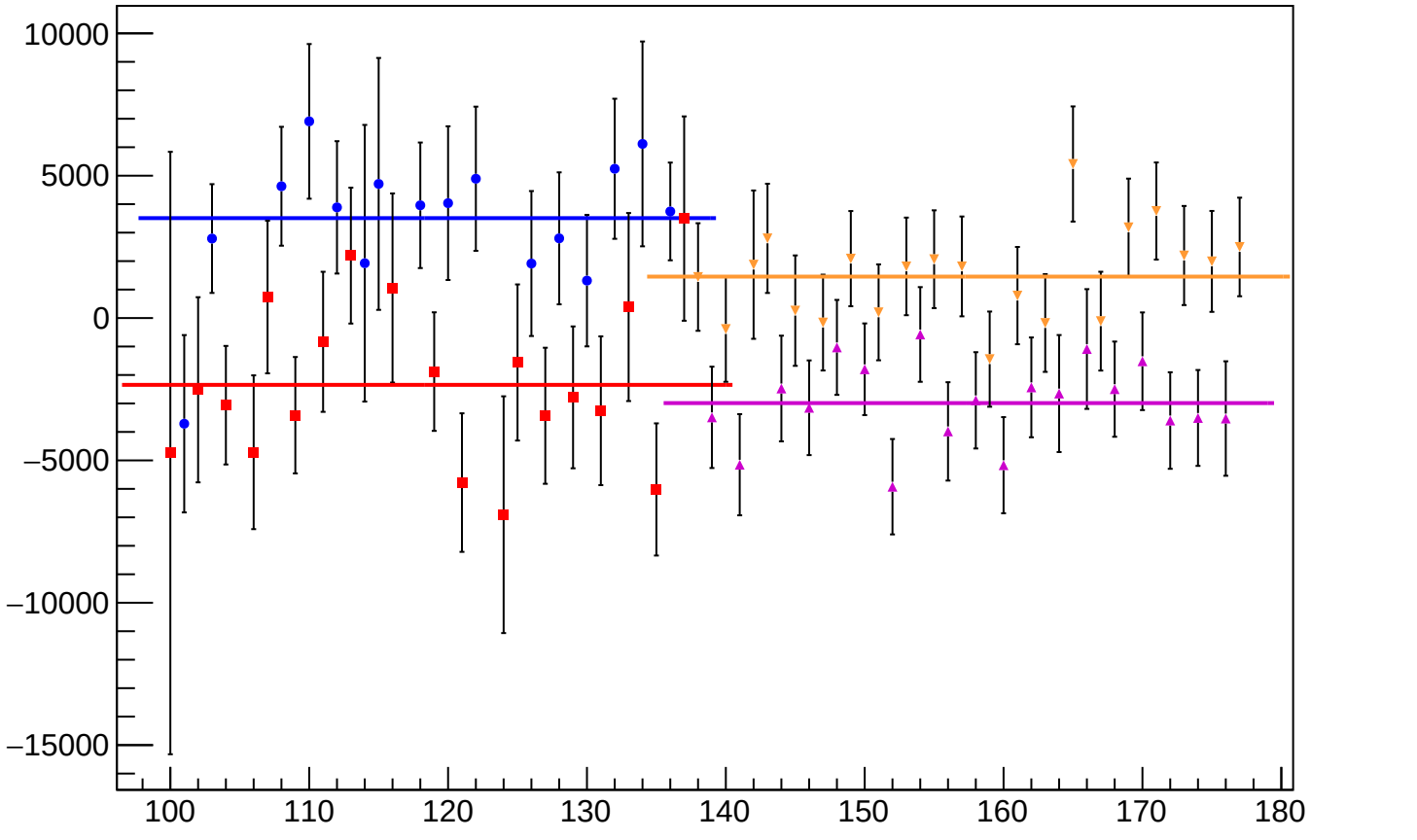
Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5237.146+/-0.958 χ^2/NDF:976345.5/18

\+ sign 5189.725+/-0.766 χ^2/NDF: 1430741.4/36

All: 5098.656+/-0.539 χ^2/NDF: 3448745.3/74

\- sign 5009.767+/-0.757 χ^2/NDF: 1990105.4/37



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1455.676+/-389.005 χ^2/NDF:15.9/20

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

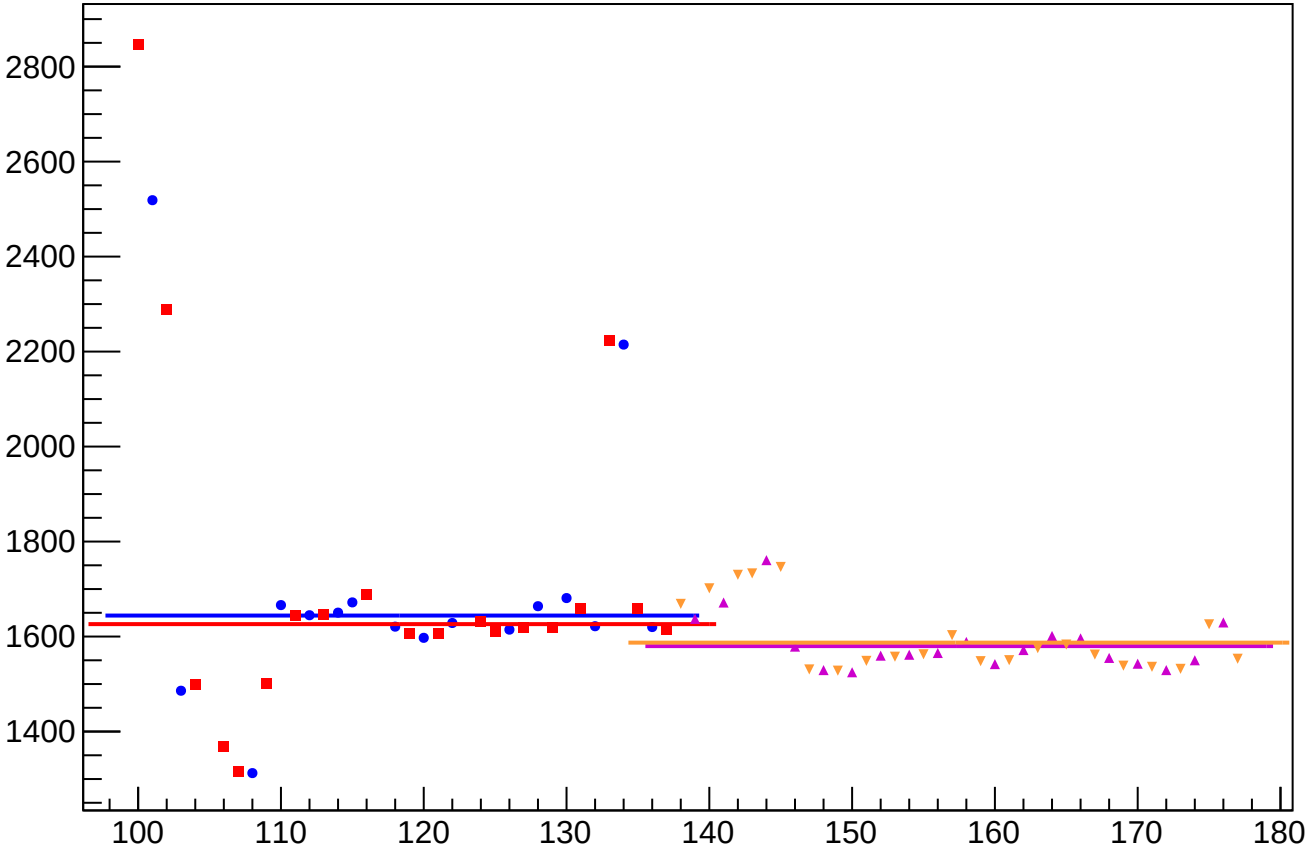
Left In: -2987.038+/-401.056 χ^2/NDF:12.8/18

+ sign 2040.237+/-329.021 χ^2/NDF: 34.2/36

All: -334.902+/-234.634 χ^2/NDF: 170.9/74

- sign -2792.721+/-334.698 χ^2/NDF: 30.7/37

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1587.197+/-0.275 χ^2/NDF:59030.0/20

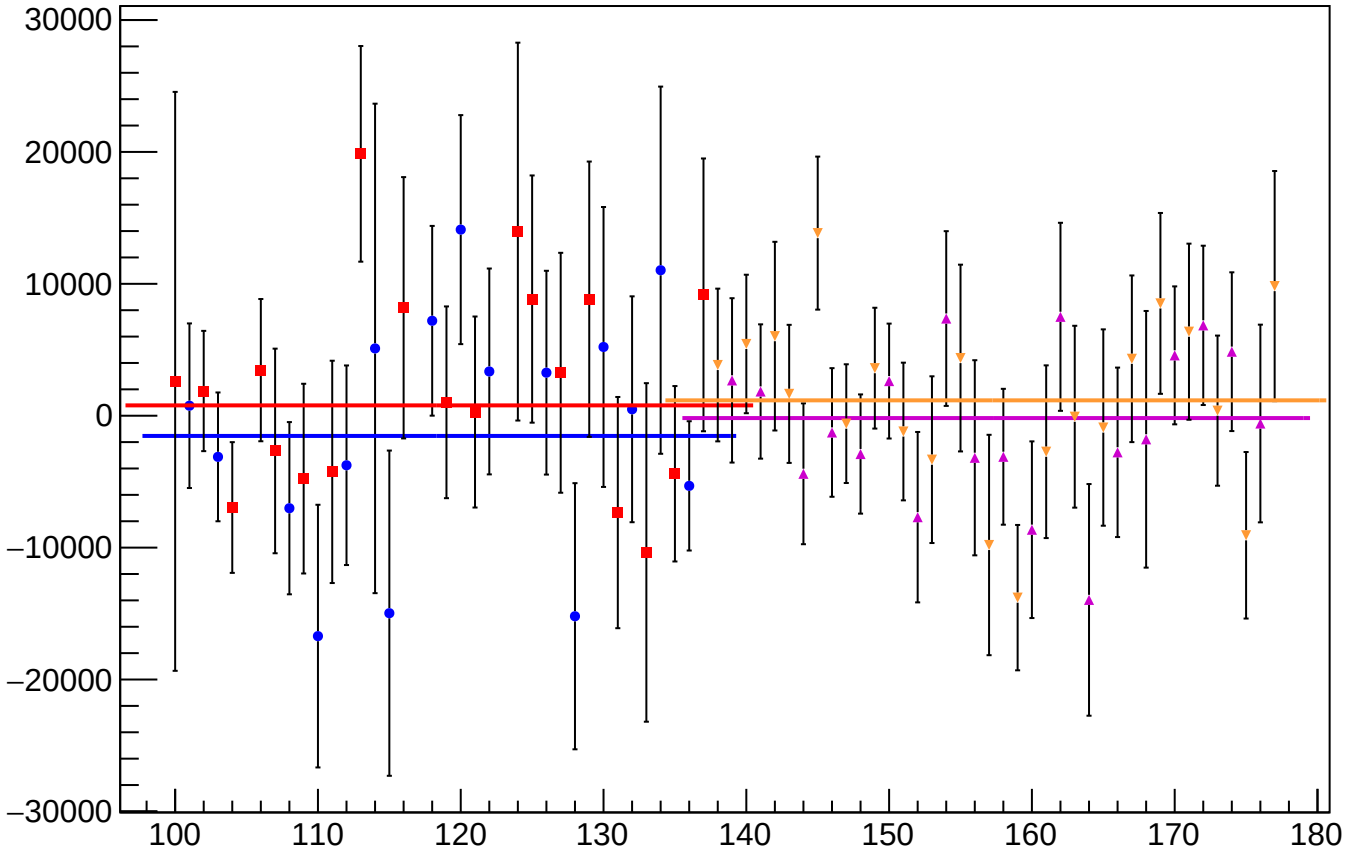
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1579.890+/-0.284 χ^2/NDF:37721.5/18

+ sign 1603.420+/-0.233 χ^2/NDF: 346070.2/36

All: 1598.768+/-0.166 χ^2/NDF: 630339.0/74

- sign 1593.956+/-0.237 χ^2/NDF: 283455.4/37



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1165.686+/-1315.183 χ^2/NDF:22.7/20

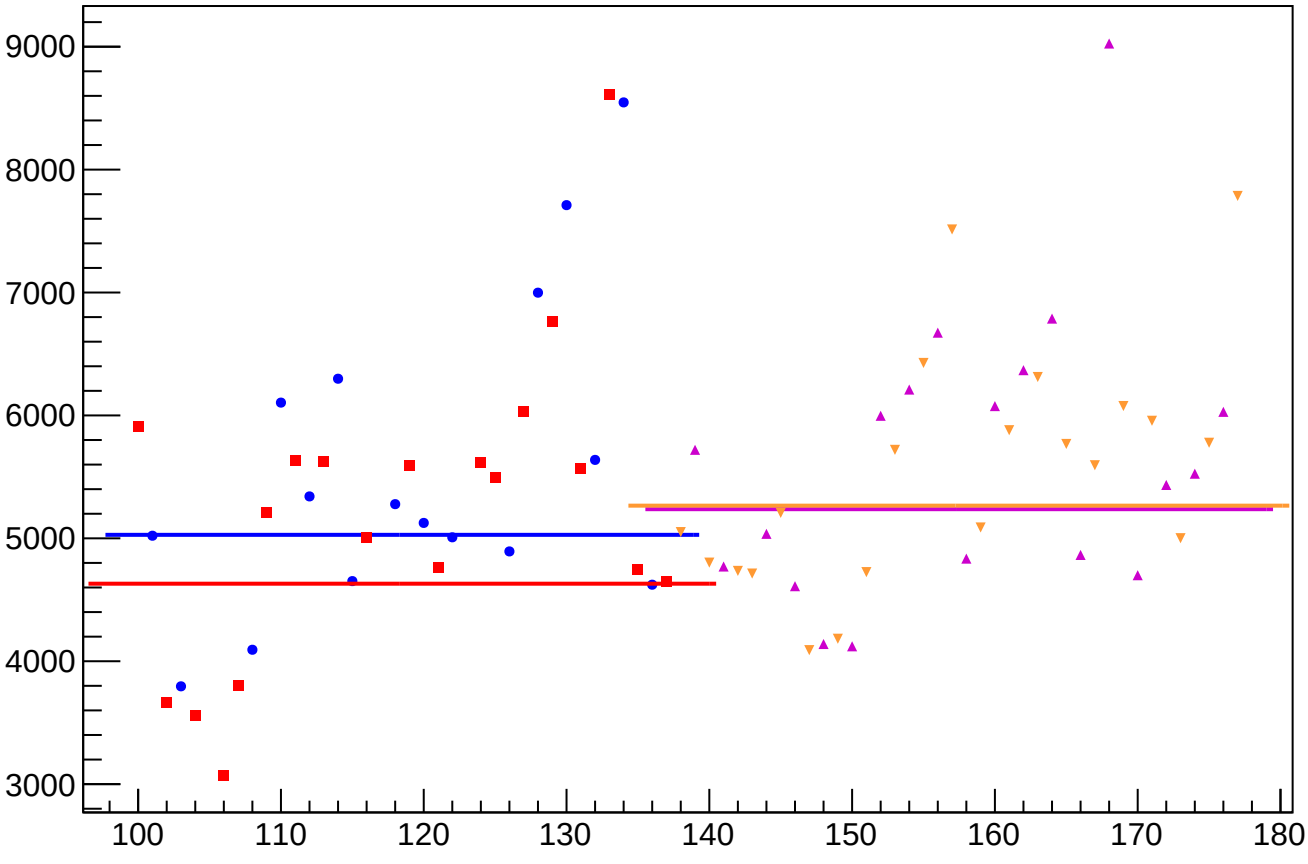
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -178.024+/-1354.612 χ^2/NDF:13.3/18

+ sign 300.313+/-1083.912 χ^2/NDF: 37.9/36

All: 240.887+/-761.785 χ^2/NDF: 66.4/74

- sign 182.883+/-1070.861 χ^2/NDF: 28.5/37



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5265.897+/-0.930 χ^2/NDF:844362.5/20

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

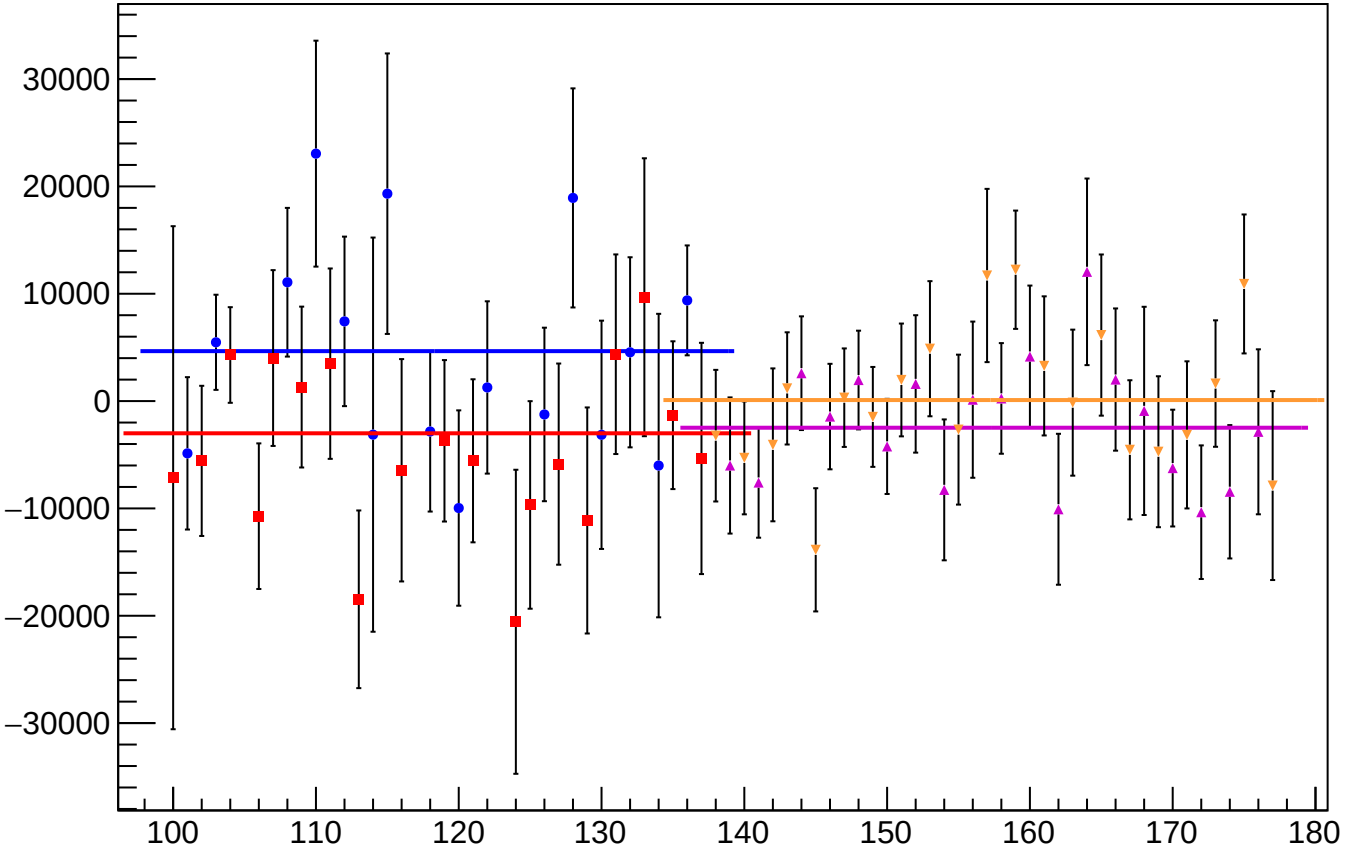
Left In: 5237.154+/-0.958 χ^2/NDF:976347.3/18

+ sign 5189.729+/-0.766 χ^2/NDF: 1430738.5/36

All: 5098.659+/-0.539 χ^2/NDF: 3448746.3/74

- sign 5009.769+/-0.757 χ^2/NDF: 1990108.7/37

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 95.116+/-1327.607 χ^2/NDF:21.3/20

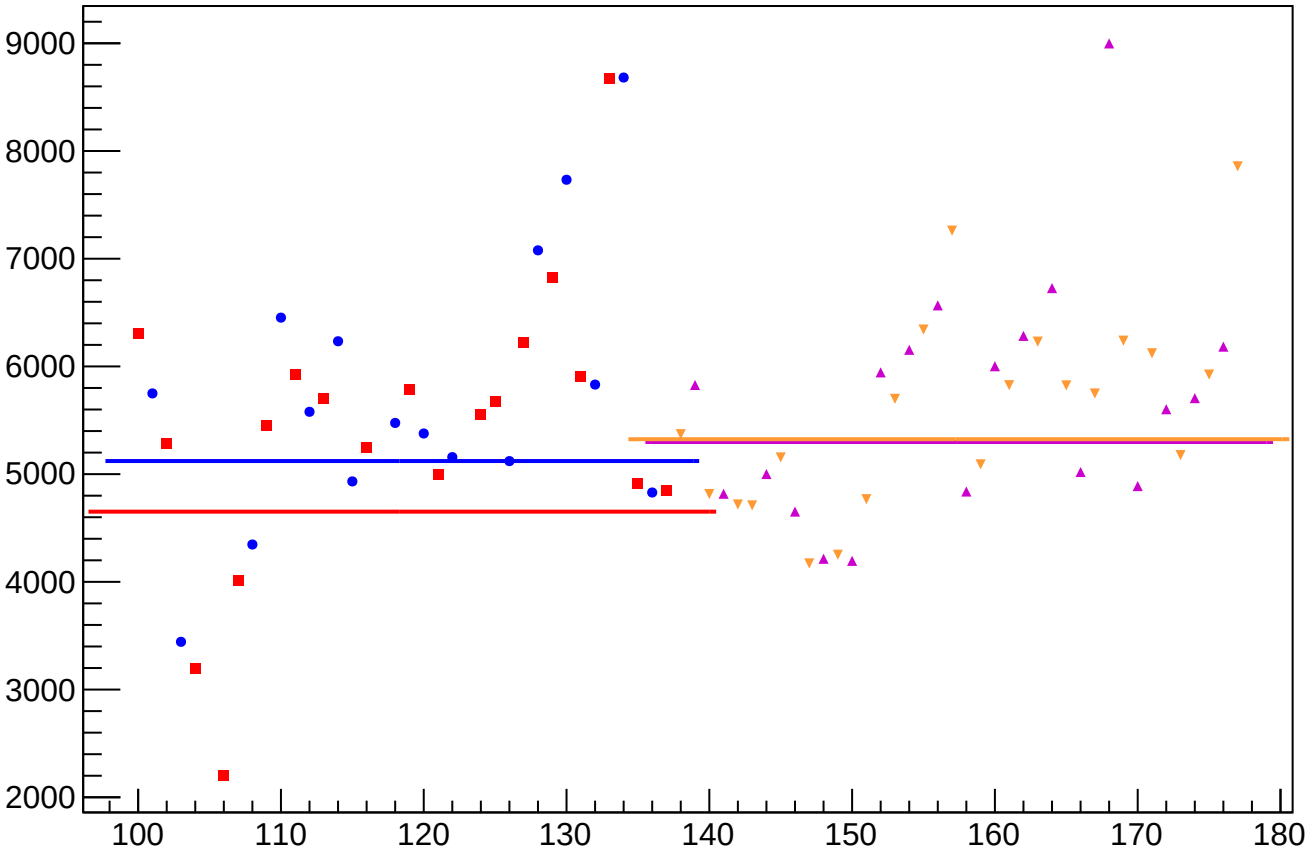
Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: -2482.272+/-1368.040 χ^2/NDF:13.4/18

+ sign 1530.153+/-1098.920 χ^2/NDF: 40.6/36

All: -550.807+/-779.805 χ^2/NDF: 75.1/74

- sign -2661.497+/-1106.742 χ^2/NDF: 27.3/37



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5324.298+/-0.939 χ^2/NDF:796066.1/20

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

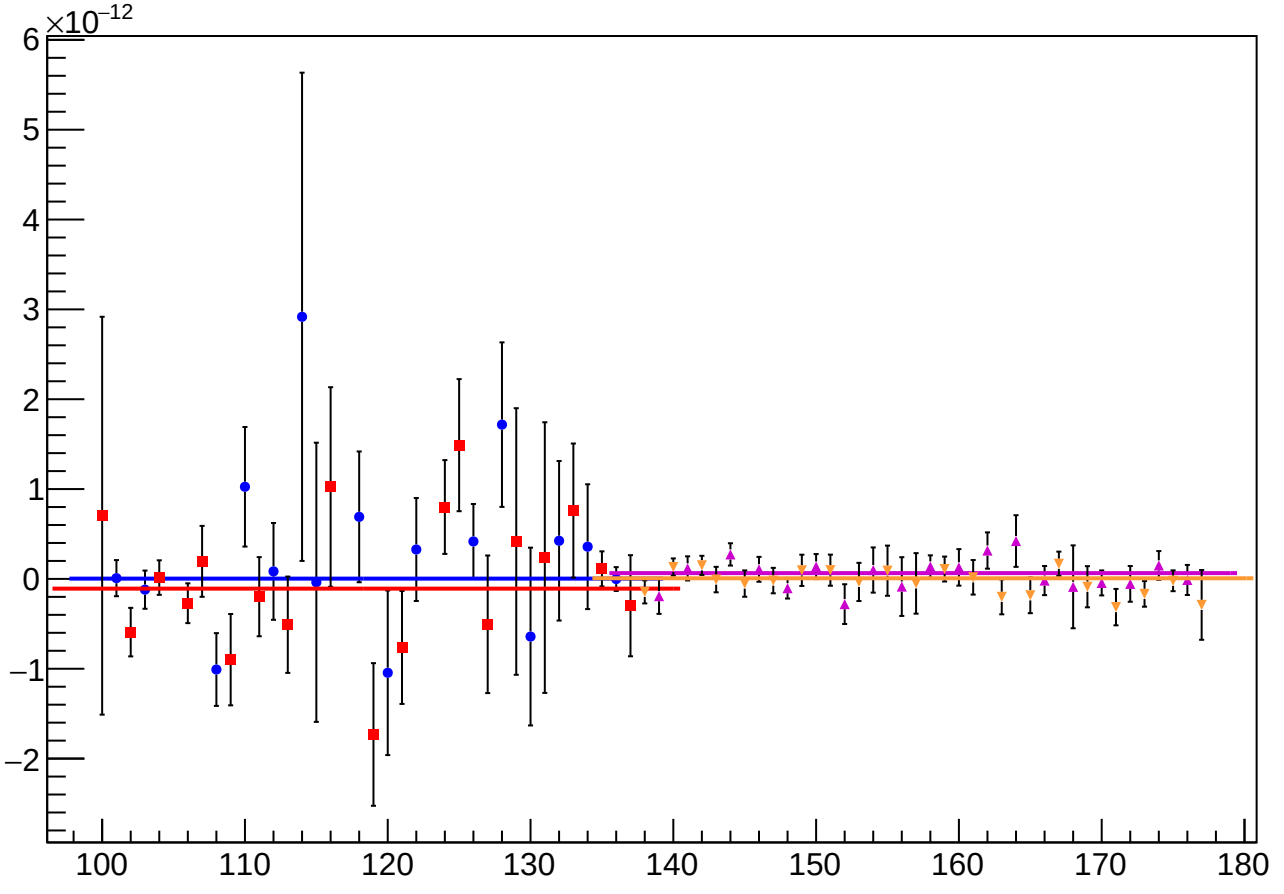
Left In: 5298.448+/-0.967 χ^2/NDF:900219.8/18

+ sign 5260.495+/-0.777 χ^2/NDF: 1531108.2/36

All: 5161.299+/-0.548 χ^2/NDF: 3970992.0/74

- sign 5063.433+/-0.772 χ^2/NDF: 2407509.9/37

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:14.7/20

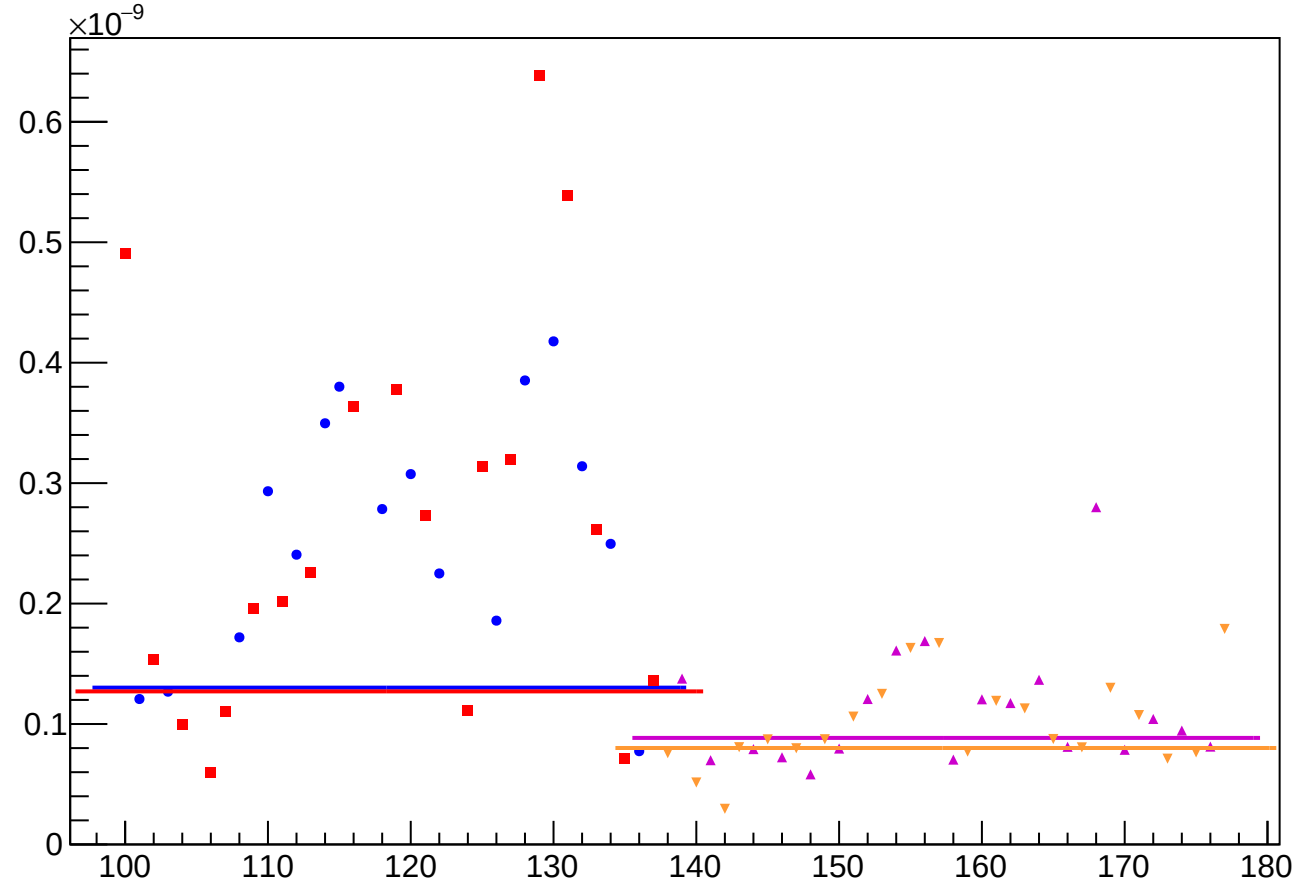
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 32.7/36

All: 0.000+/-0.000 χ^2/NDF: 76.6/74

- sign 0.000+/-0.000 χ^2/NDF: 43.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1500751.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

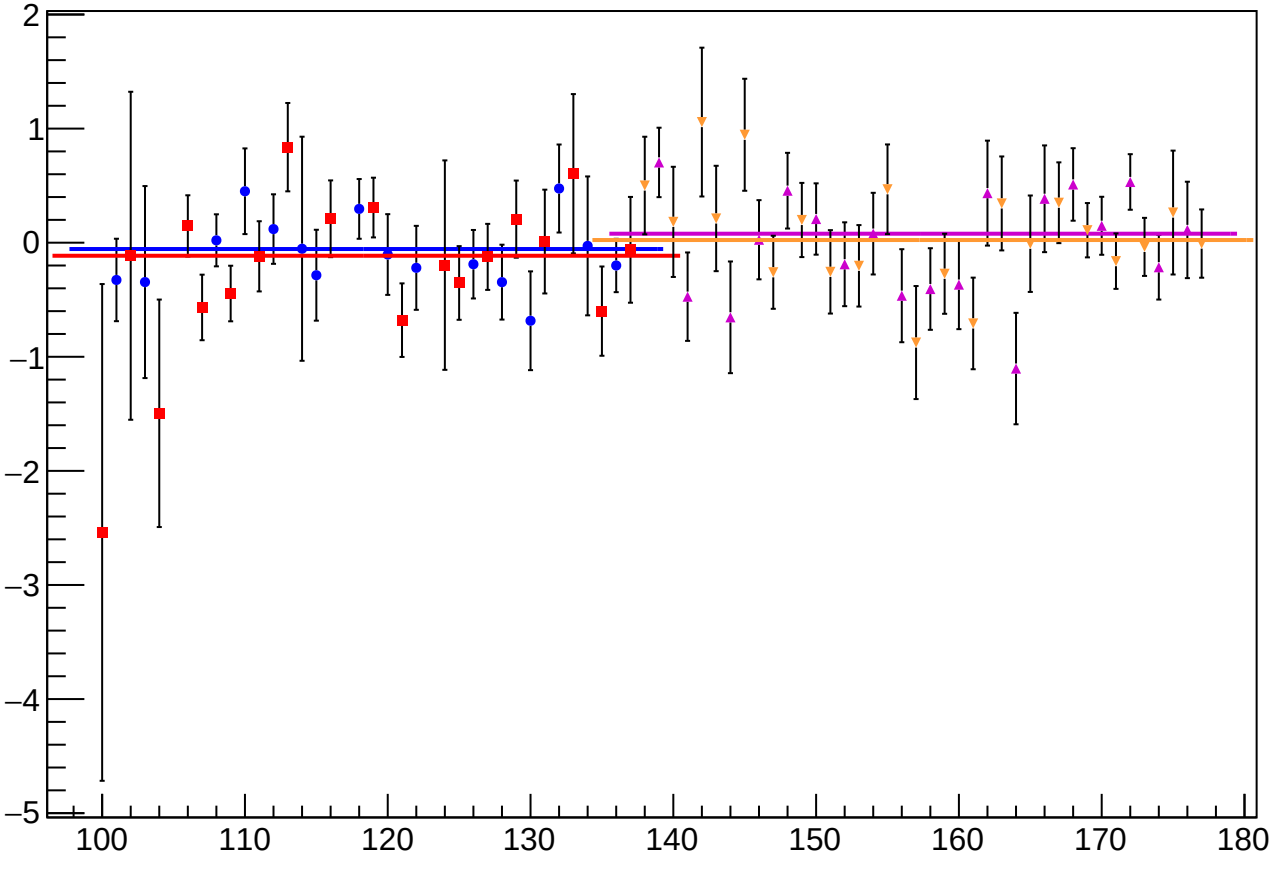
Left In: 0.000+/-0.000 χ^2/NDF:1244994.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 3412352.2/36

All: 0.000+/-0.000 χ^2/NDF: 6759053.9/74

- sign 0.000+/-0.000 χ^2/NDF: 3294279.7/37

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: 0.023+/-0.078 χ^2/NDF:20.7/20

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

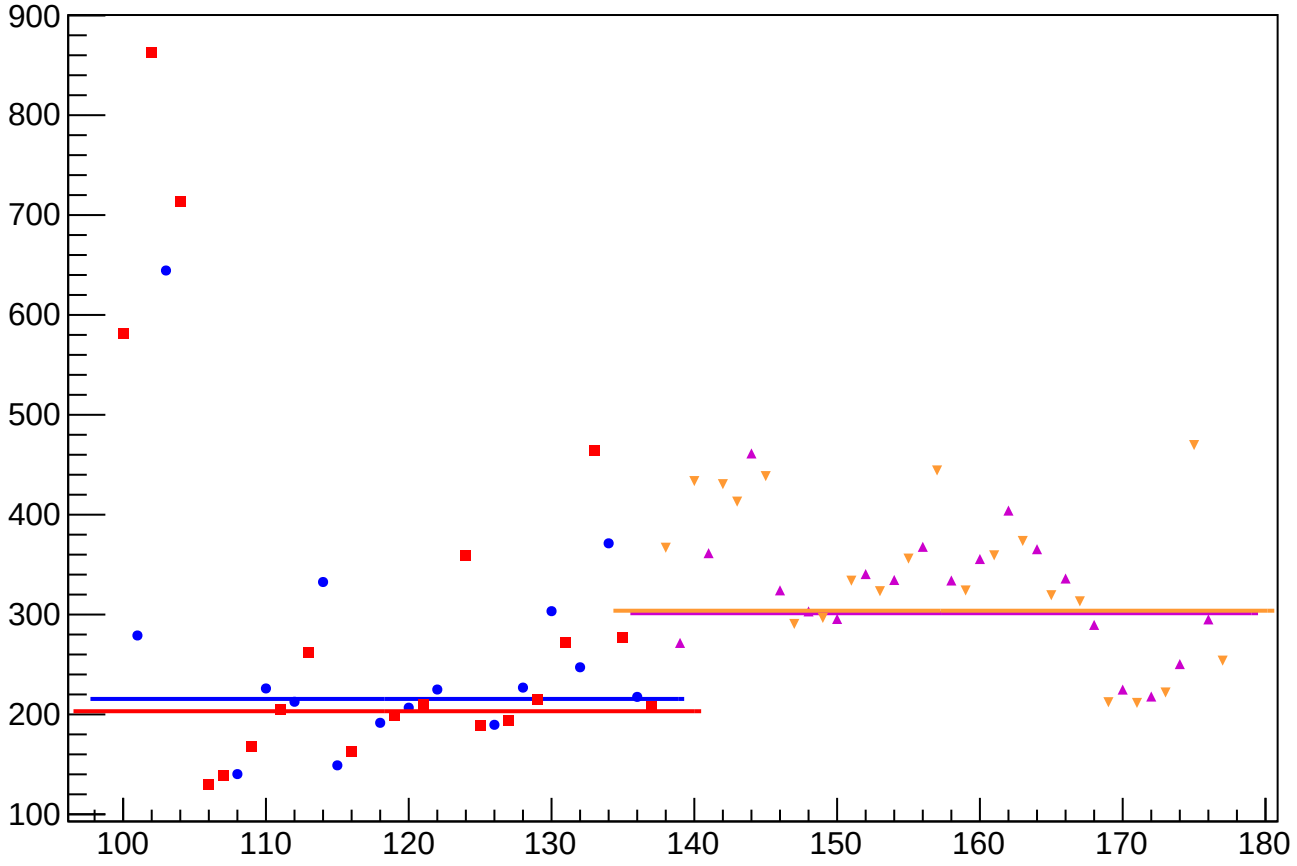
Left In: 0.079+/-0.079 χ^2/NDF:28.8/18

+ sign -0.012+/-0.058 χ^2/NDF: 31.8/36

All: -0.013+/-0.041 χ^2/NDF: 88.6/74

- sign -0.013+/-0.057 χ^2/NDF: 56.8/37

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: 303.853+/-0.055 χ^2/NDF:1887168.9/20

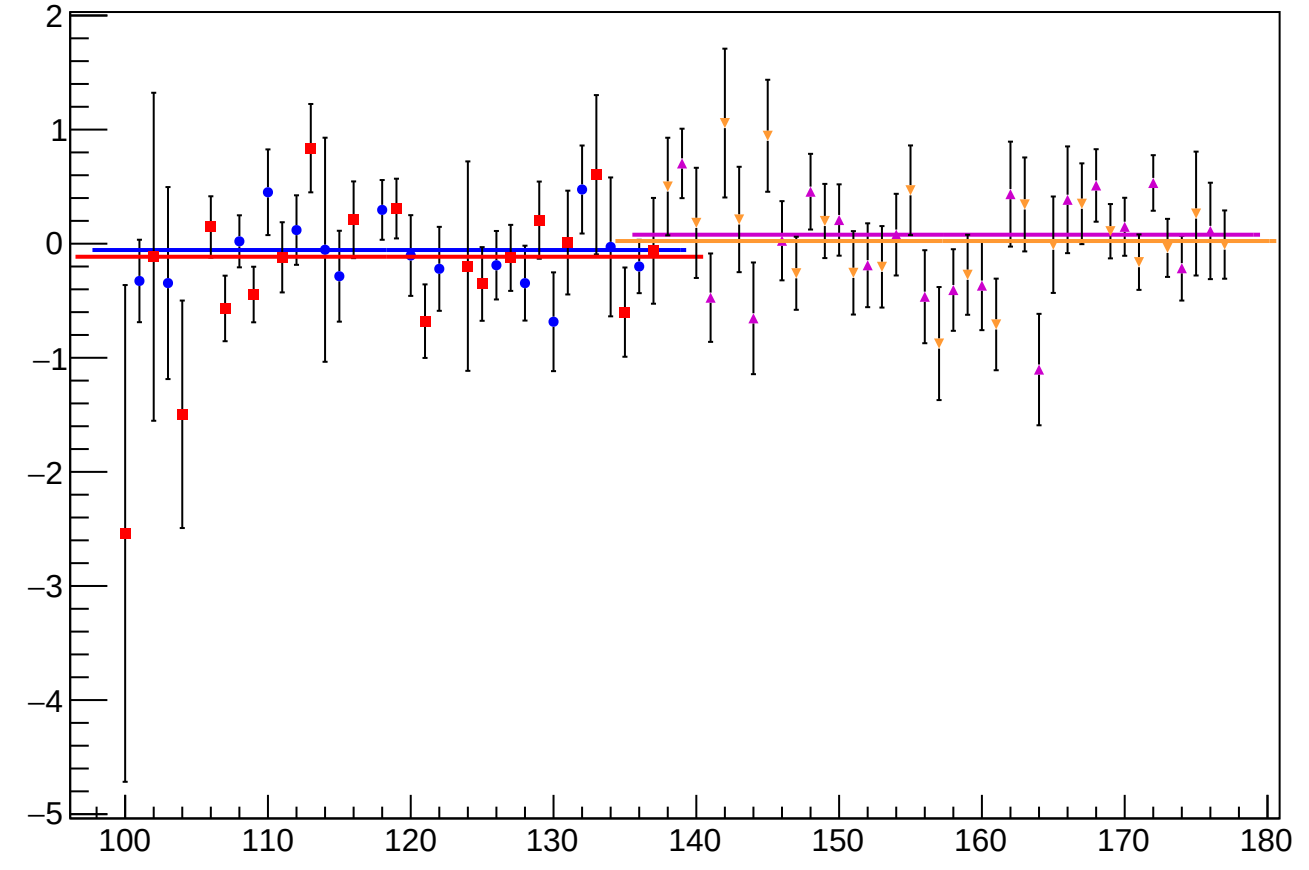
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.333+/-0.056 χ^2/NDF:1067574.3/18

+ sign 263.724+/-0.041 χ^2/NDF: 4201701.3/36

All: 259.137+/-0.029 χ^2/NDF: 8585885.8/74

- sign 254.575+/-0.041 χ^2/NDF: 4358888.5/37



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.023+/-0.078 χ^2/NDF:20.7/20

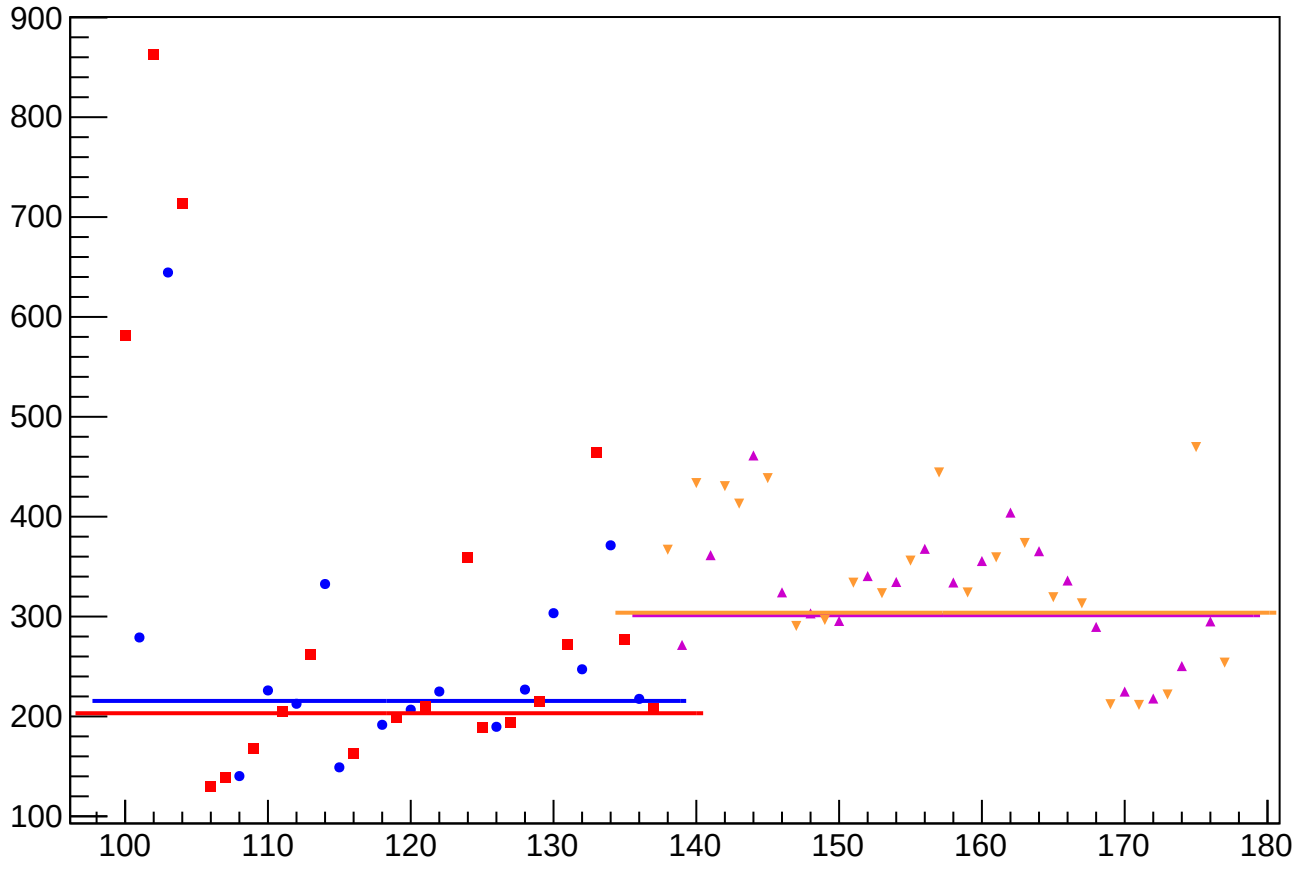
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.079+/-0.079 χ^2/NDF:28.8/18

+ sign -0.012+/-0.058 χ^2/NDF: 31.8/36

All: -0.013+/-0.041 χ^2/NDF: 88.6/74

- sign -0.013+/-0.057 χ^2/NDF: 56.8/37



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 303.853+/-0.055 χ^2/NDF:1887168.9/20

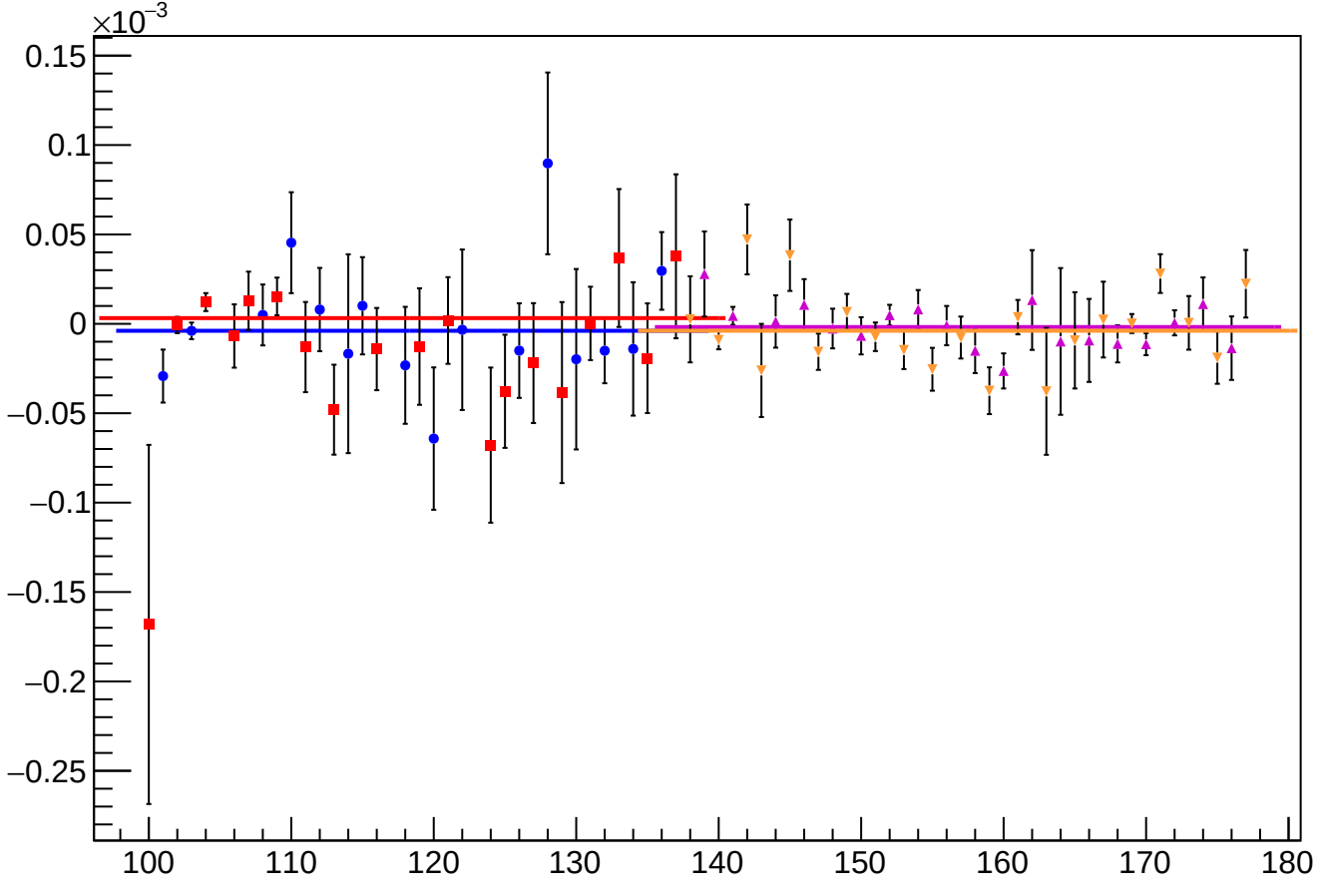
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.333+/-0.056 χ^2/NDF:1067574.3/18

+ sign 263.724+/-0.041 χ^2/NDF: 4201701.3/36

All: 259.137+/-0.029 χ^2/NDF: 8585885.8/74

- sign 254.575+/-0.041 χ^2/NDF: 4358888.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.6/20

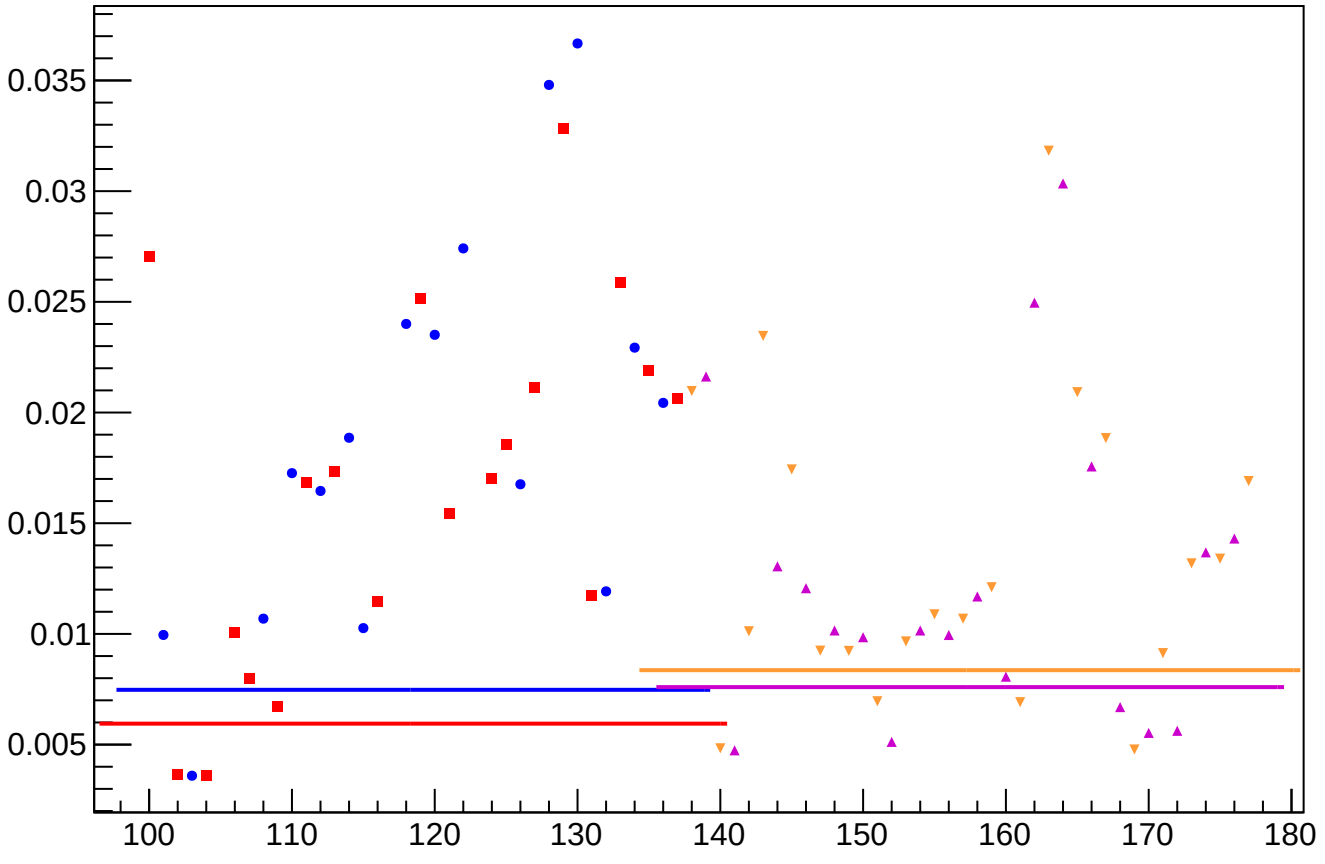
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/36

All: -0.000+/-0.000 χ^2/NDF: 100.8/74

- sign 0.000+/-0.000 χ^2/NDF: 42.1/37



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:6610329.6/20

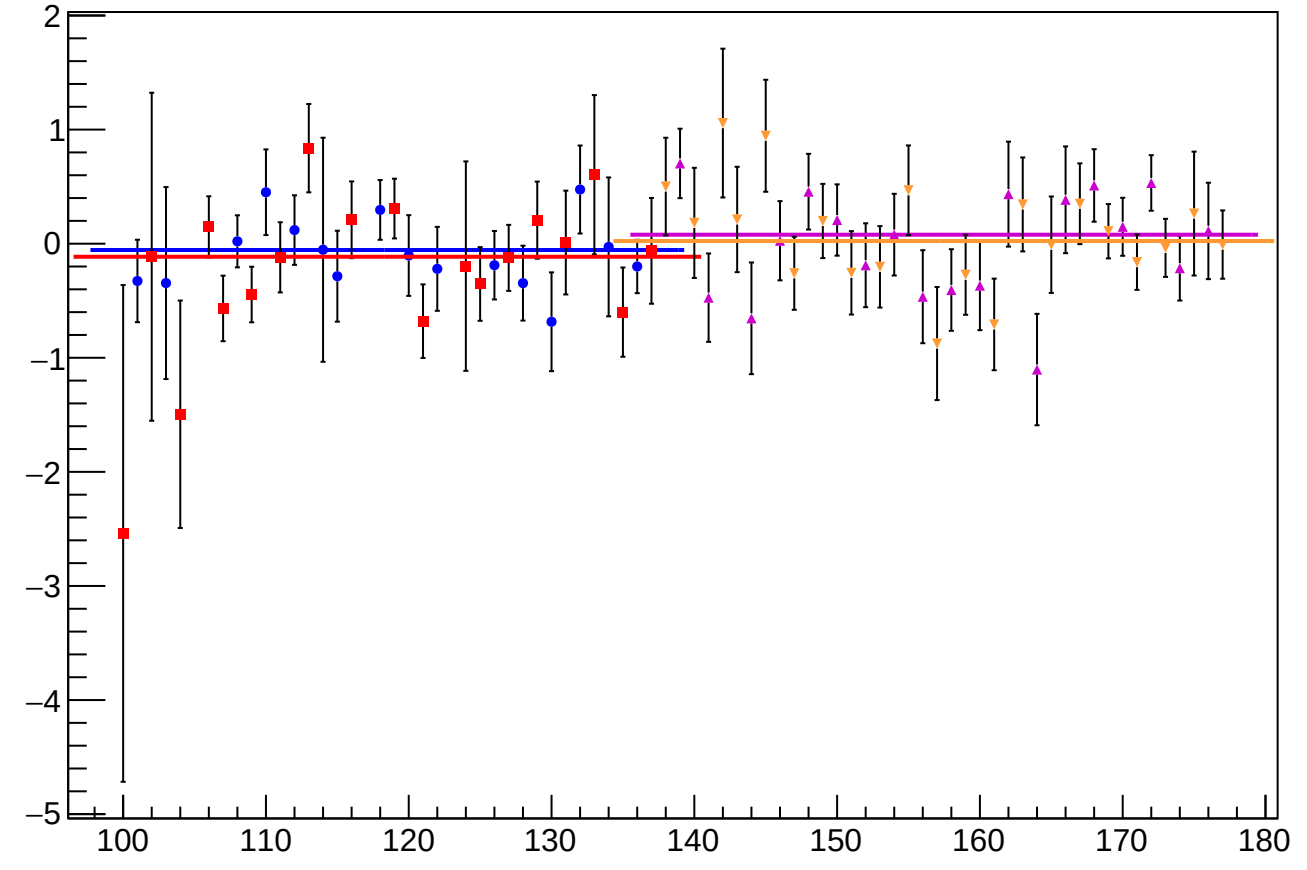
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:5571622.9/18

+ sign 0.008+/-0.000 χ^2/NDF: 12765355.9/36

All: 0.007+/-0.000 χ^2/NDF: 25036623.5/74

- sign 0.007+/-0.000 χ^2/NDF: 11911420.7/37



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.023+/-0.078 χ^2/NDF:20.7/20

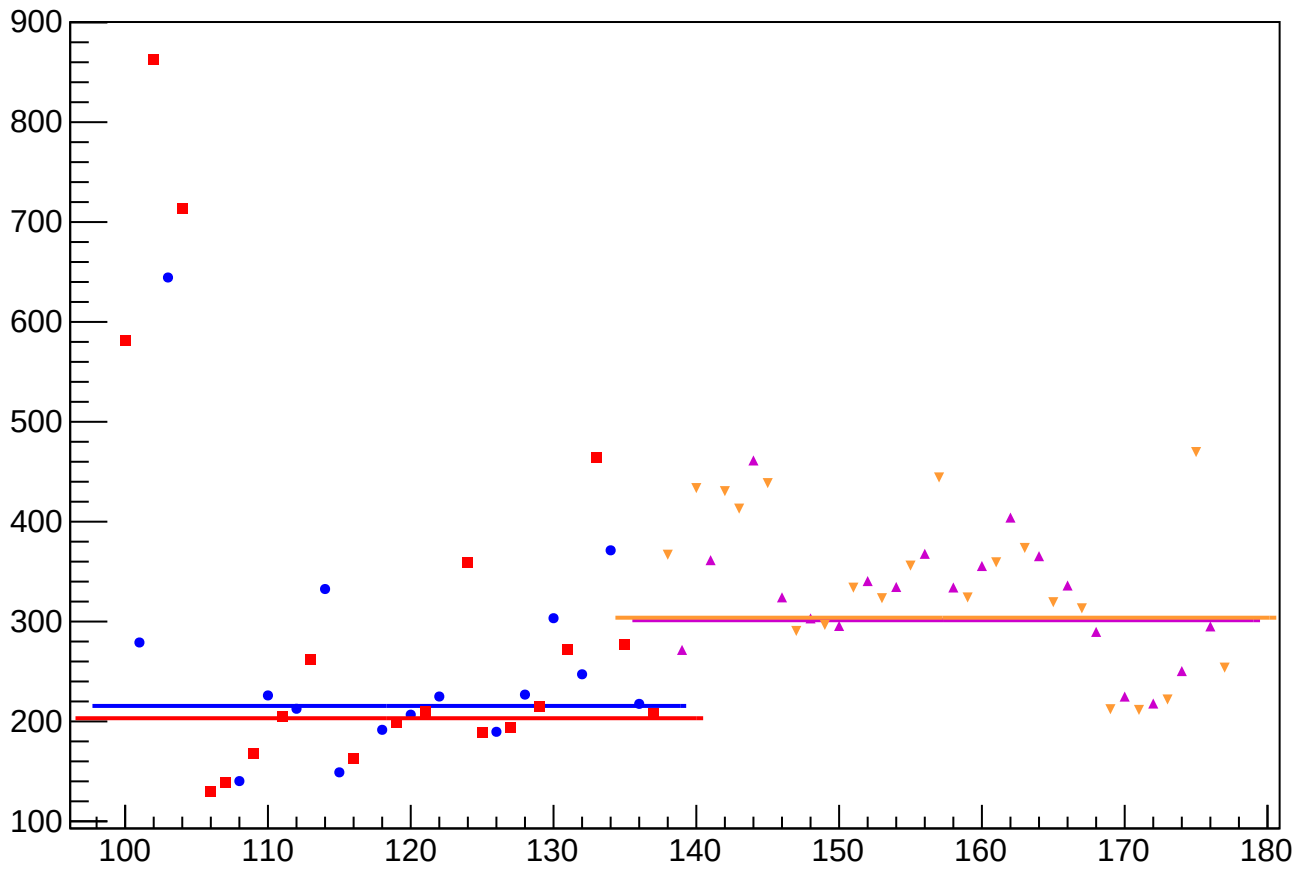
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.079+/-0.079 χ^2/NDF:28.8/18

+ sign -0.012+/-0.058 χ^2/NDF: 31.8/36

All: -0.013+/-0.041 χ^2/NDF: 88.6/74

- sign -0.013+/-0.057 χ^2/NDF: 56.8/37



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 303.856+/-0.055 χ^2/NDF:1887252.1/20

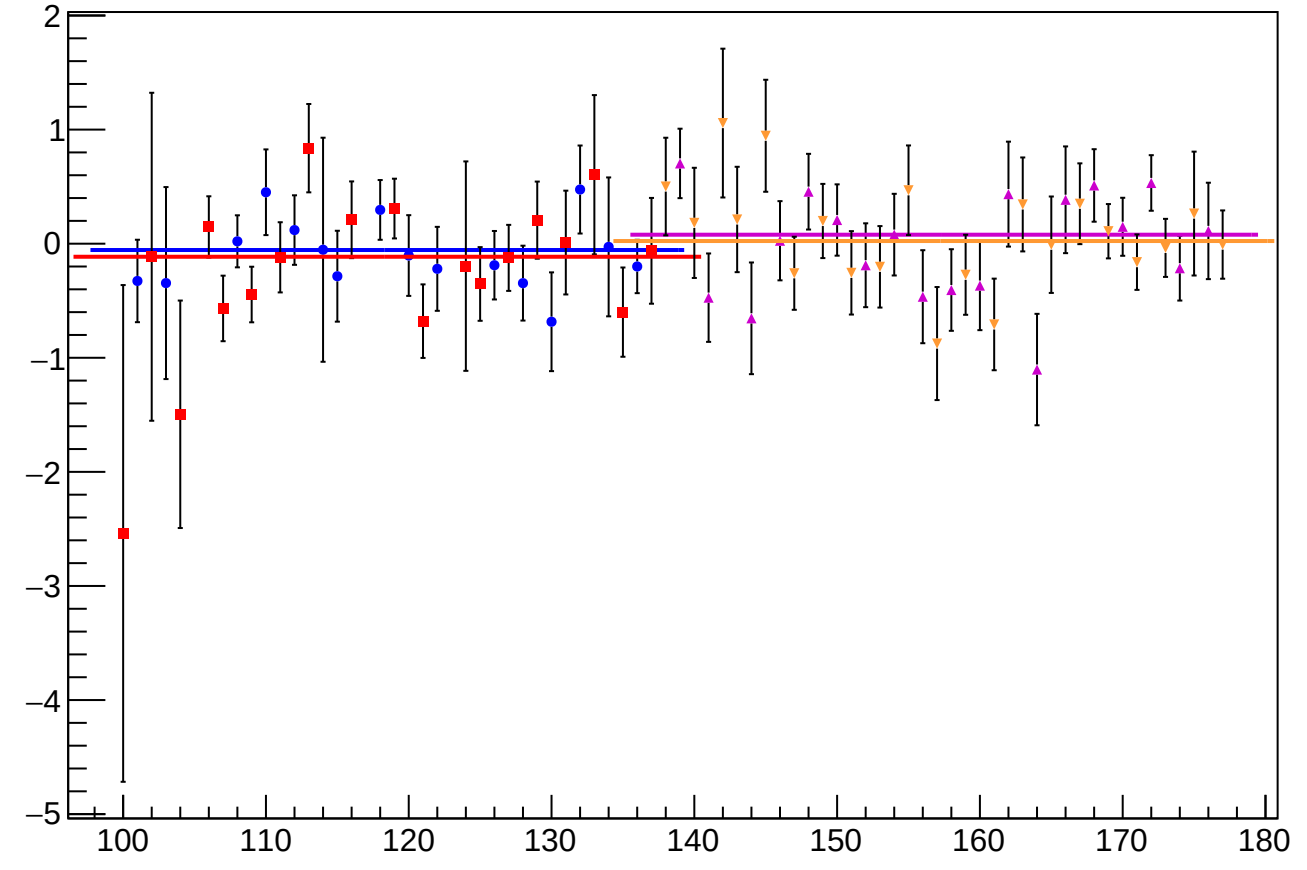
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.336+/-0.056 χ^2/NDF:1067625.8/18

+ sign 263.725+/-0.041 χ^2/NDF: 4201868.6/36

All: 259.137+/-0.029 χ^2/NDF: 8586229.0/74

- sign 254.575+/-0.041 χ^2/NDF: 4359063.1/37



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.023+/-0.078 χ^2/NDF:20.7/20

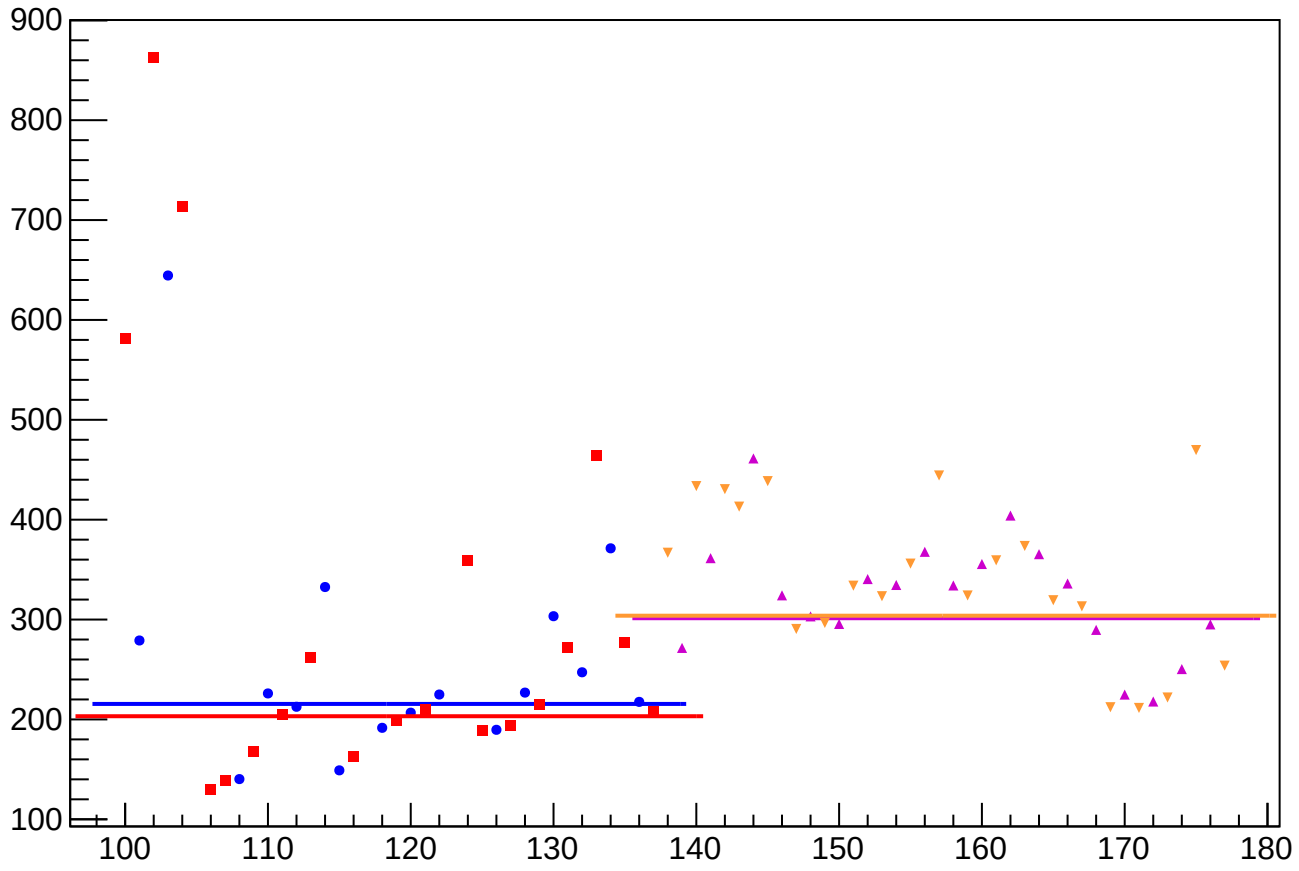
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.079+/-0.079 χ^2/NDF:28.8/18

+ sign -0.012+/-0.058 χ^2/NDF: 31.8/36

All: -0.013+/-0.041 χ^2/NDF: 88.6/74

- sign -0.013+/-0.057 χ^2/NDF: 56.8/37



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 303.856+/-0.055 χ^2/NDF:1887252.1/20

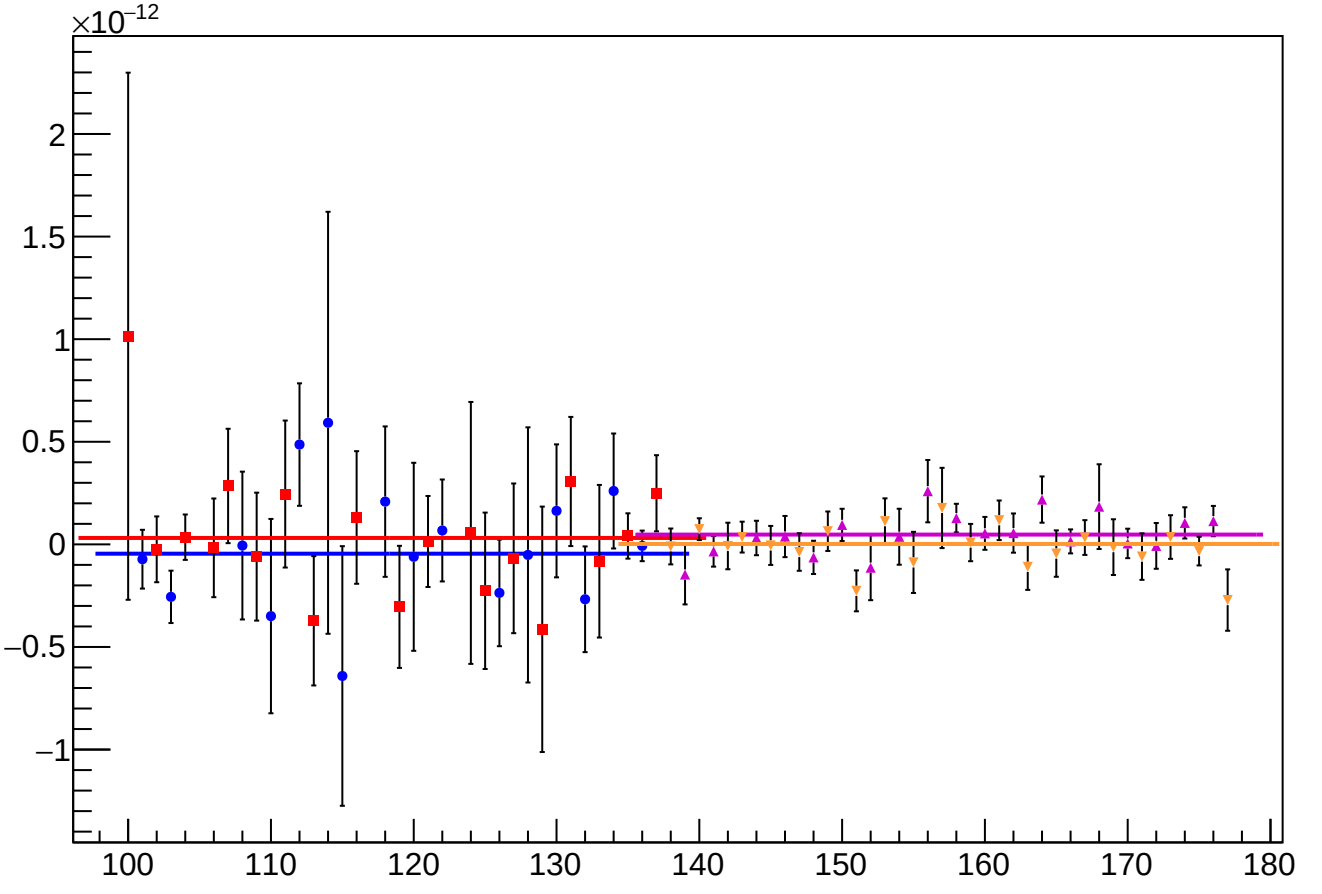
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.336+/-0.056 χ^2/NDF:1067625.8/18

+ sign 263.725+/-0.041 χ^2/NDF: 4201868.6/36

All: 259.137+/-0.029 χ^2/NDF: 8586229.0/74

- sign 254.575+/-0.041 χ^2/NDF: 4359063.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/20

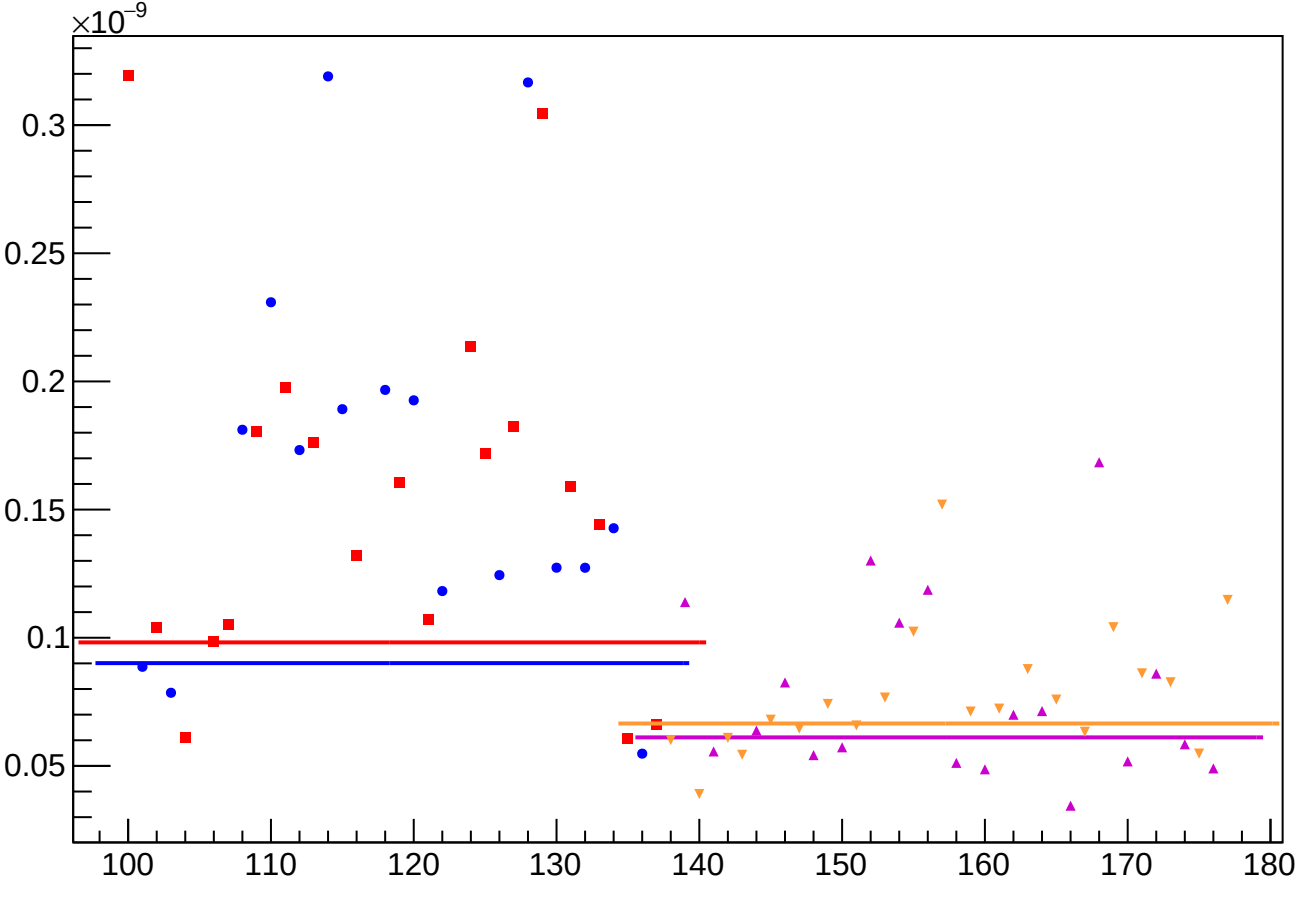
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 29.1/36

All: 0.000+/-0.000 χ^2/NDF: 55.6/74

- sign 0.000+/-0.000 χ^2/NDF: 23.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1757318.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

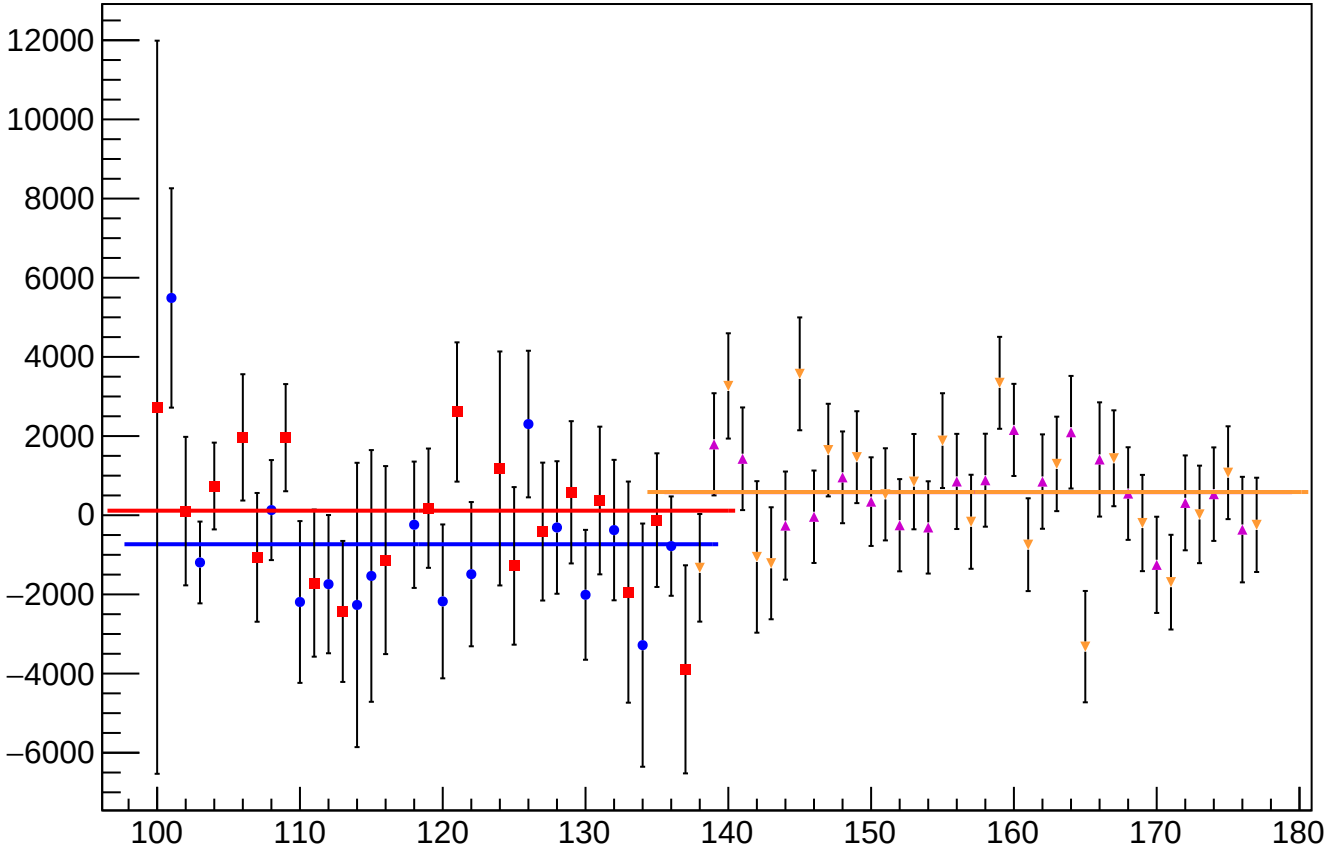
Left In: 0.000+/-0.000 χ^2/NDF:2536041.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 3944421.0/36

All: 0.000+/-0.000 χ^2/NDF: 9097474.1/74

- sign 0.000+/-0.000 χ^2/NDF: 5109622.0/37

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 586.297+/-272.155 χ^2/NDF:36.2/20

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

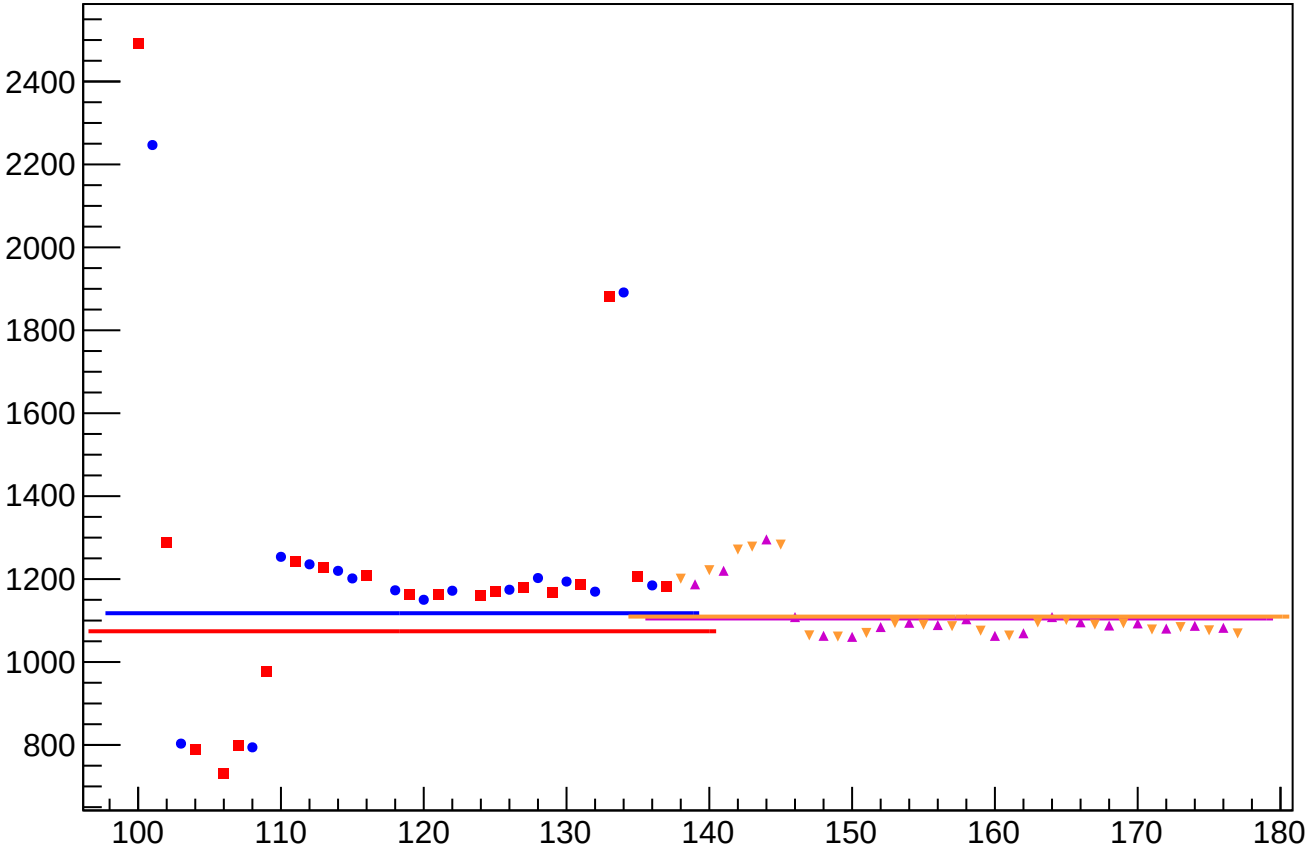
Left In: 583.898+/-280.654 χ^2/NDF:9.5/18

+ sign 205.737+/-229.562 χ^2/NDF: 54.7/36

All: 319.239+/-163.128 χ^2/NDF: 78.7/74

- sign 435.014+/-231.850 χ^2/NDF: 23.5/37

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1109.533+/-0.192 χ^2/NDF:117969.5/20

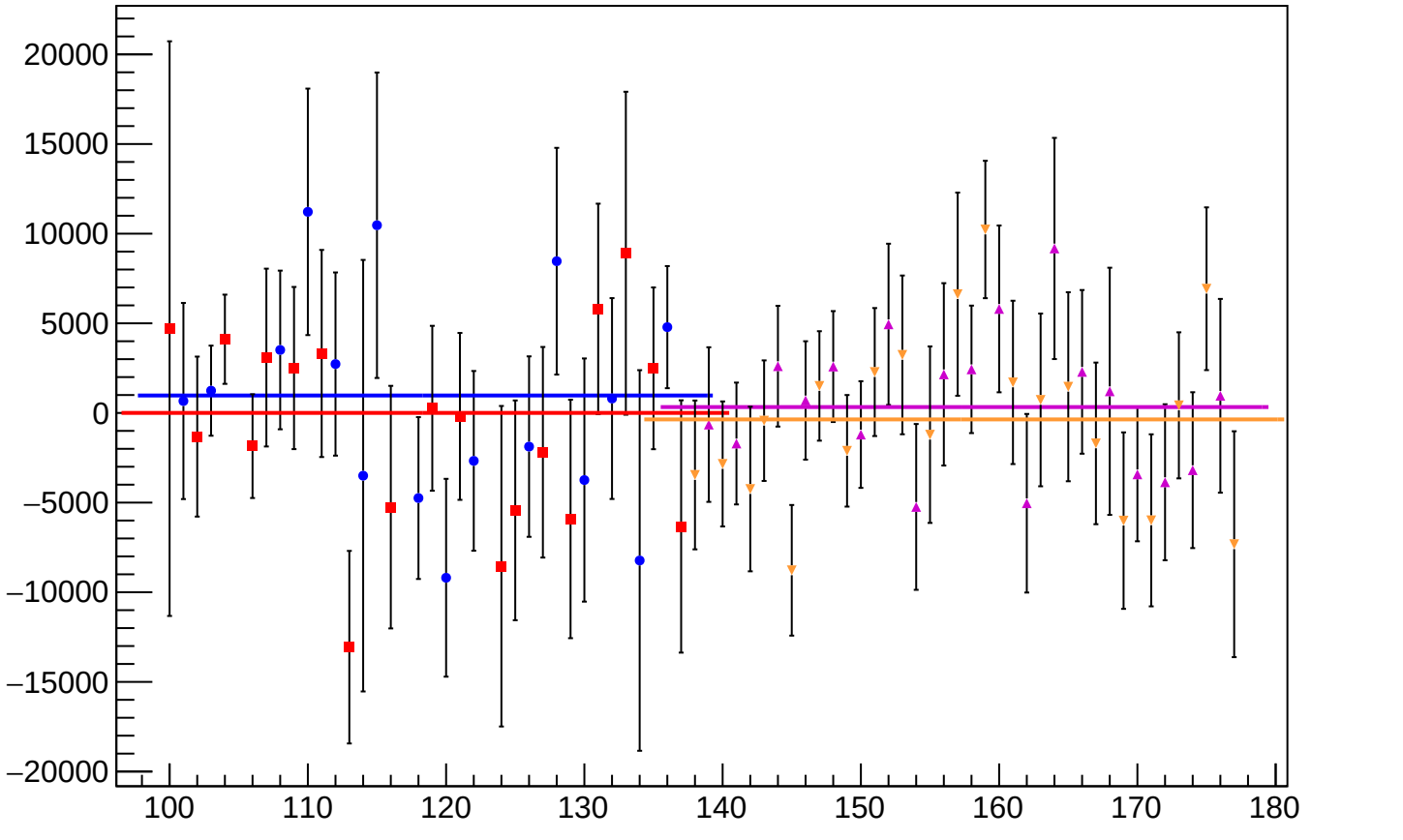
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

+ sign 1111.885+/-0.162 χ^2/NDF: 938322.1/36

All: 1103.557+/-0.115 χ^2/NDF: 1677614.4/74

- sign 1095.108+/-0.164 χ^2/NDF: 733990.0/37



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -360.083+/-902.589 χ^2/NDF:25.2/20

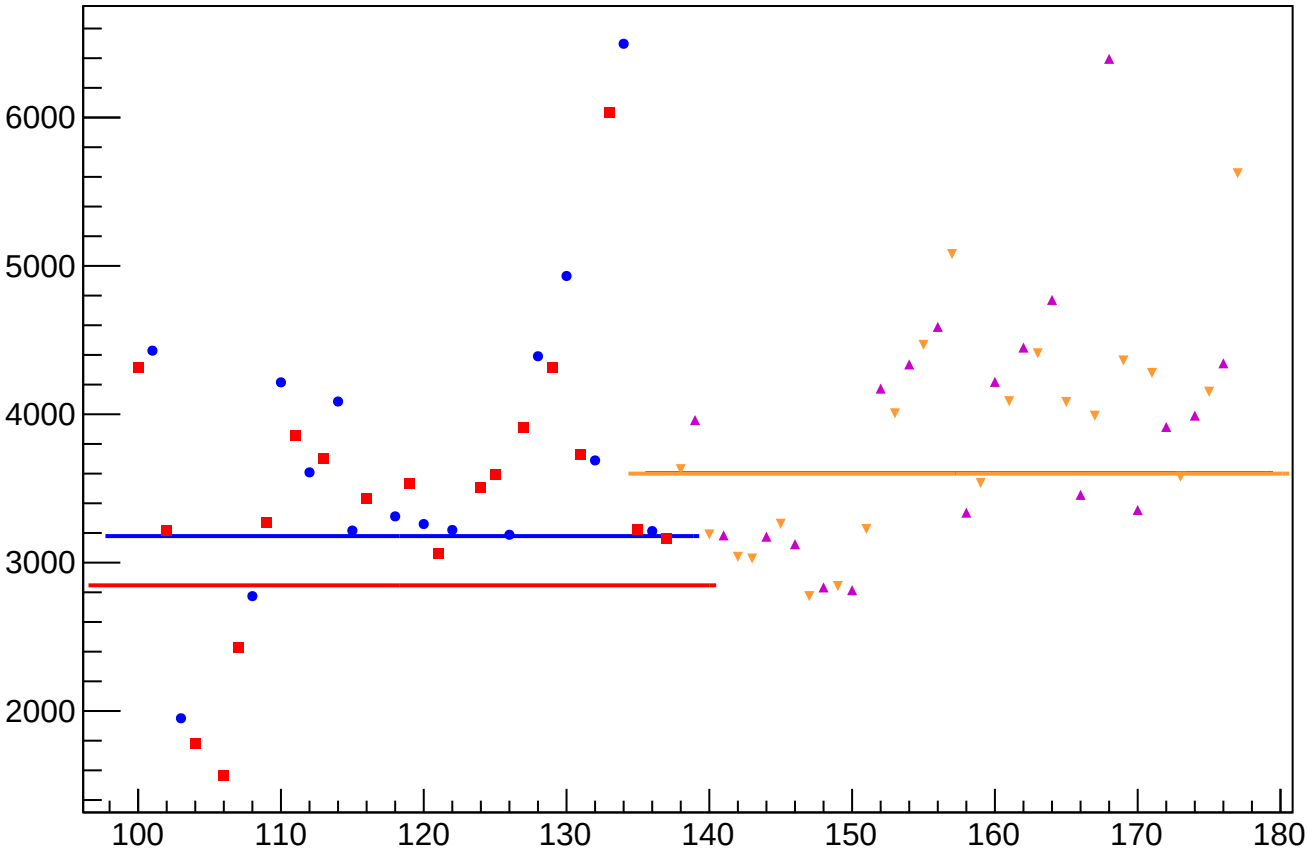
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 329.017+/-934.318 χ^2/NDF:12.1/18

+ sign 105.415+/-728.255 χ^2/NDF: 39.8/36

All: 150.635+/-510.508 χ^2/NDF: 68.5/74

- sign 194.327+/-715.841 χ^2/NDF: 28.7/37



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3600.027+/-0.638 χ^2/NDF:1071286.5/20

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

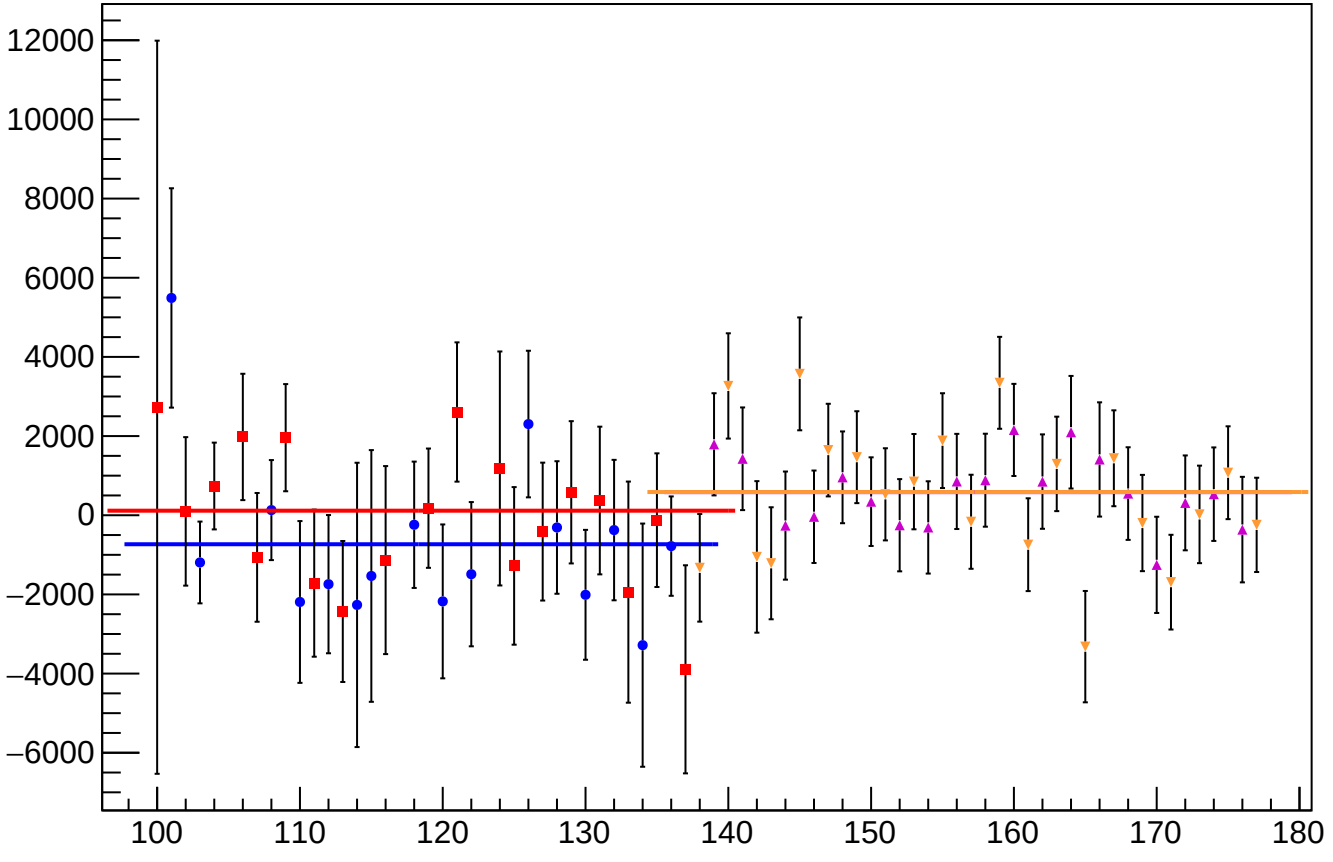
Left In: 3603.817+/-0.661 χ^2/NDF:1119175.5/18

\+ sign 3453.047+/-0.515 χ^2/NDF: 2314931.2/36

All: 3370.764+/-0.361 χ^2/NDF: 5537401.9/74

\- sign 3291.264+/-0.506 χ^2/NDF: 3172270.9/37

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 586.347+/-272.155 χ^2/NDF:36.2/20

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

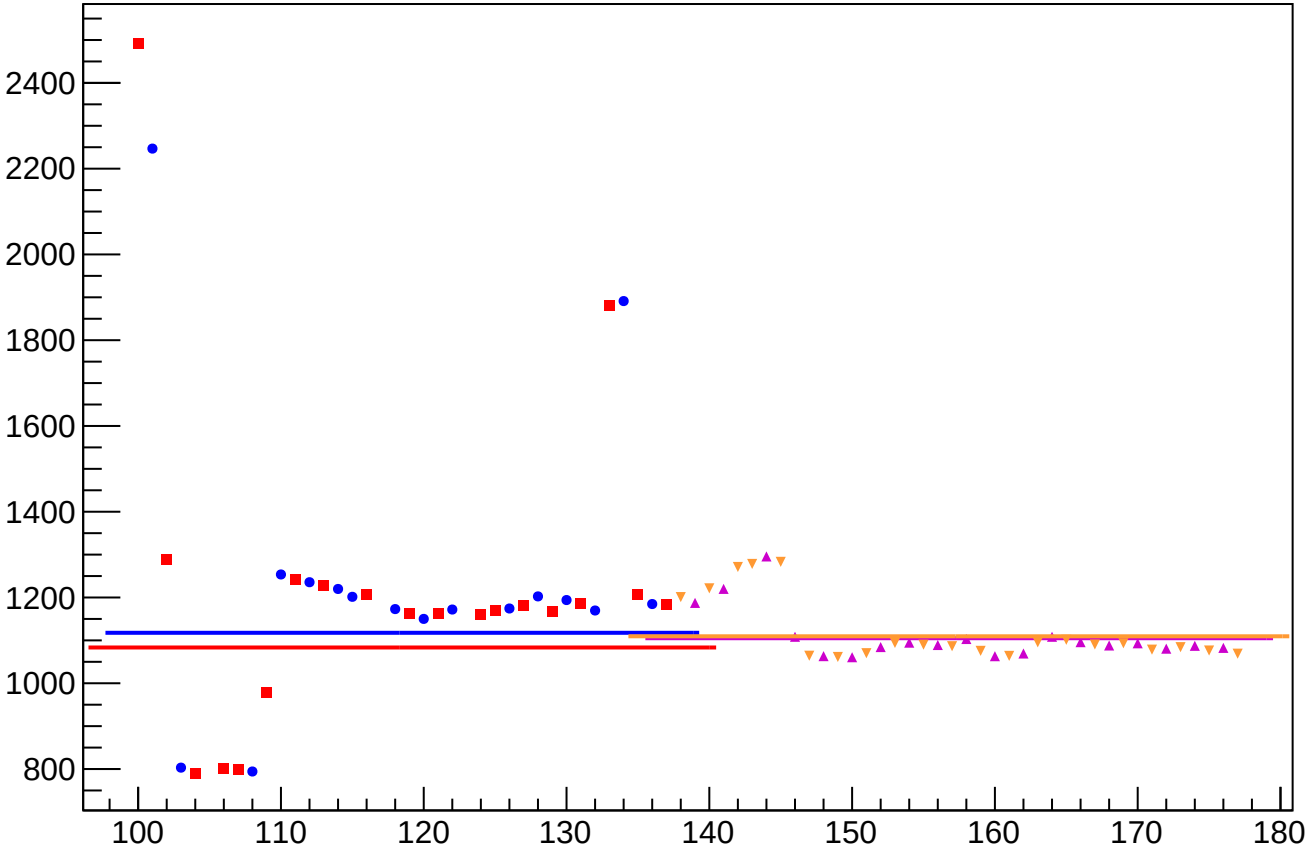
Left In: 583.846+/-280.654 χ^2/NDF:9.5/18

+ sign 205.792+/-229.562 χ^2/NDF: 54.7/36

All: 319.291+/-163.128 χ^2/NDF: 78.7/74

- sign 435.065+/-231.851 χ^2/NDF: 23.5/37

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1109.533+/-0.192 χ^2/NDF:117969.5/20

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

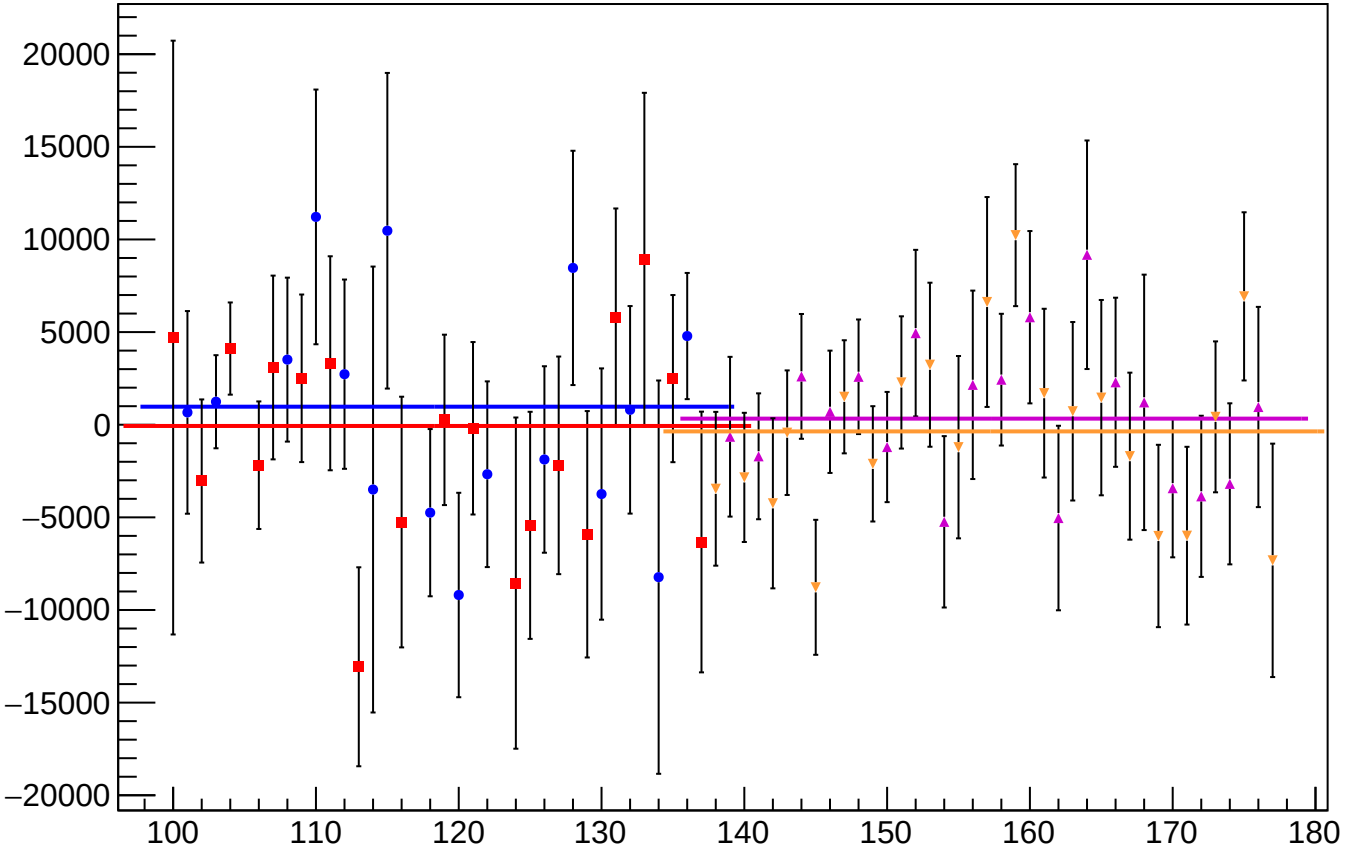
Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

+ sign 1111.885+/-0.162 χ^2/NDF: 938318.8/36

All: 1105.079+/-0.115 χ^2/NDF: 1617364.1/74

- sign 1098.146+/-0.164 χ^2/NDF: 675496.8/37

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -360.093+/-902.588 χ^2/NDF:25.2/20

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

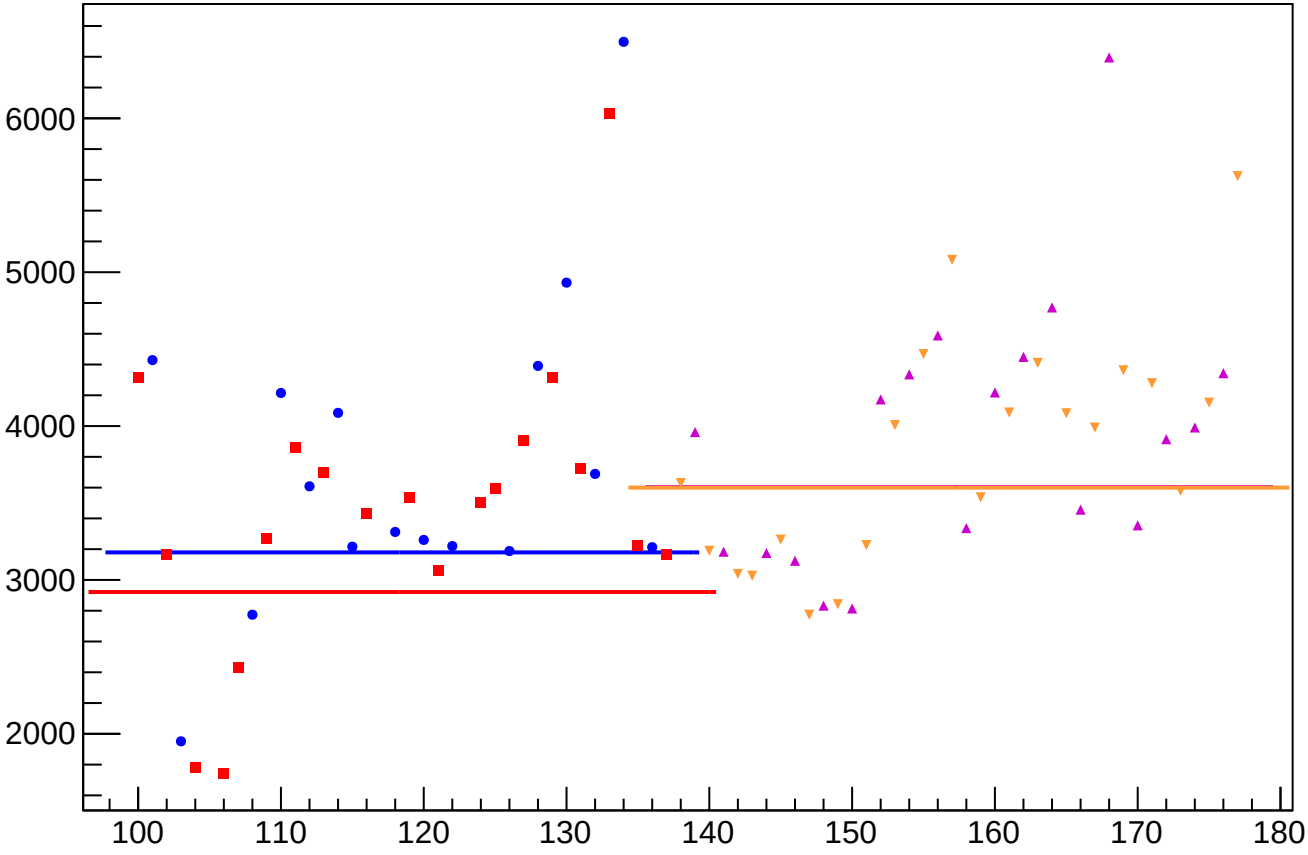
Left In: 329.012+/-934.317 χ^2/NDF:12.1/18

+ sign 105.209+/-728.265 χ^2/NDF: 39.8/36

All: 137.625+/-512.764 χ^2/NDF: 68.9/74

- sign 169.493+/-722.090 χ^2/NDF: 29.1/37

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3600.023+/-0.638 χ^2/NDF:1071291.2/20

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

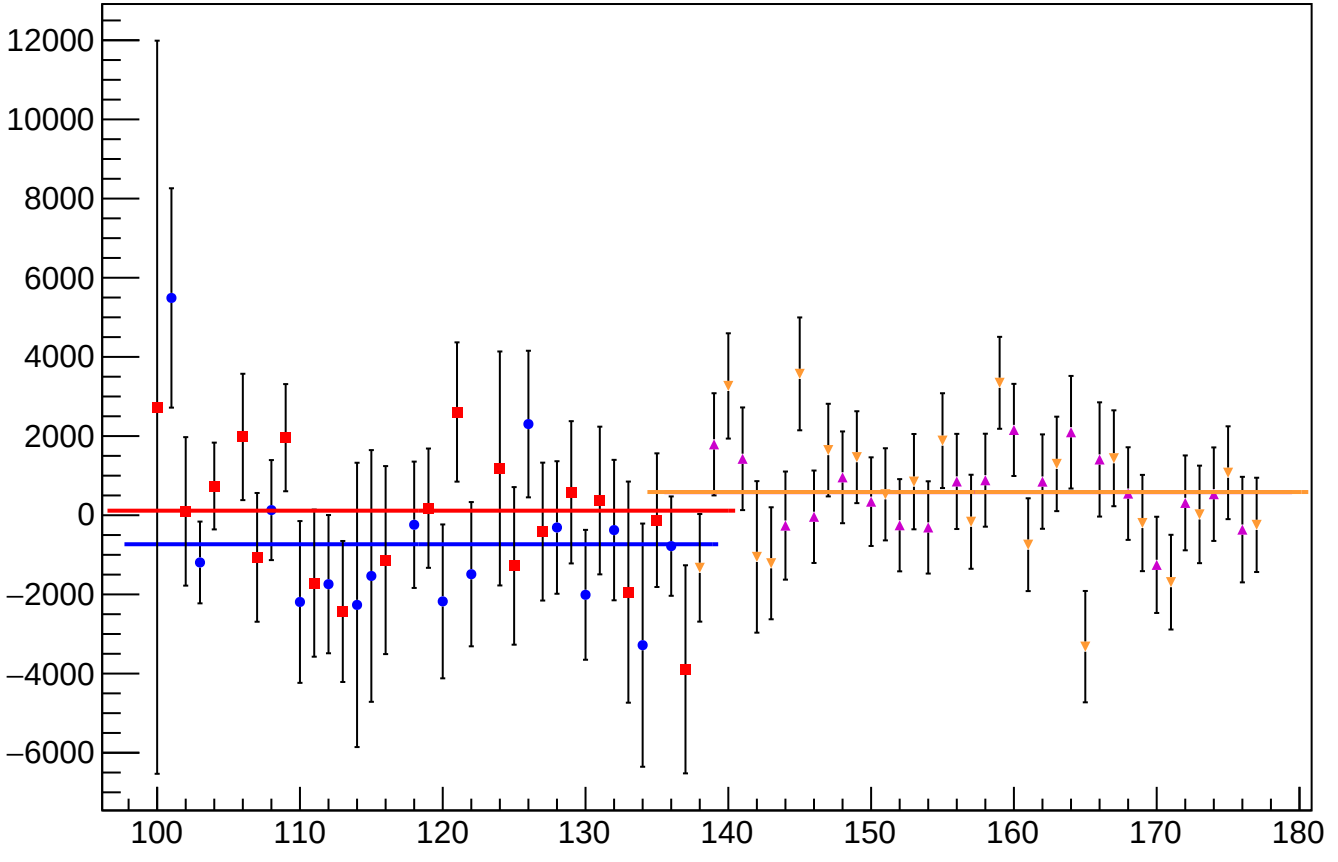
Left In: 3603.815+/-0.661 χ^2/NDF:1119180.2/18

+ sign 3453.116+/-0.515 χ^2/NDF: 2314352.0/36

All: 3390.582+/-0.363 χ^2/NDF: 5205016.2/74

- sign 3329.104+/-0.511 χ^2/NDF: 2861420.6/37

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 586.347+/-272.155 χ^2/NDF:36.2/20

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

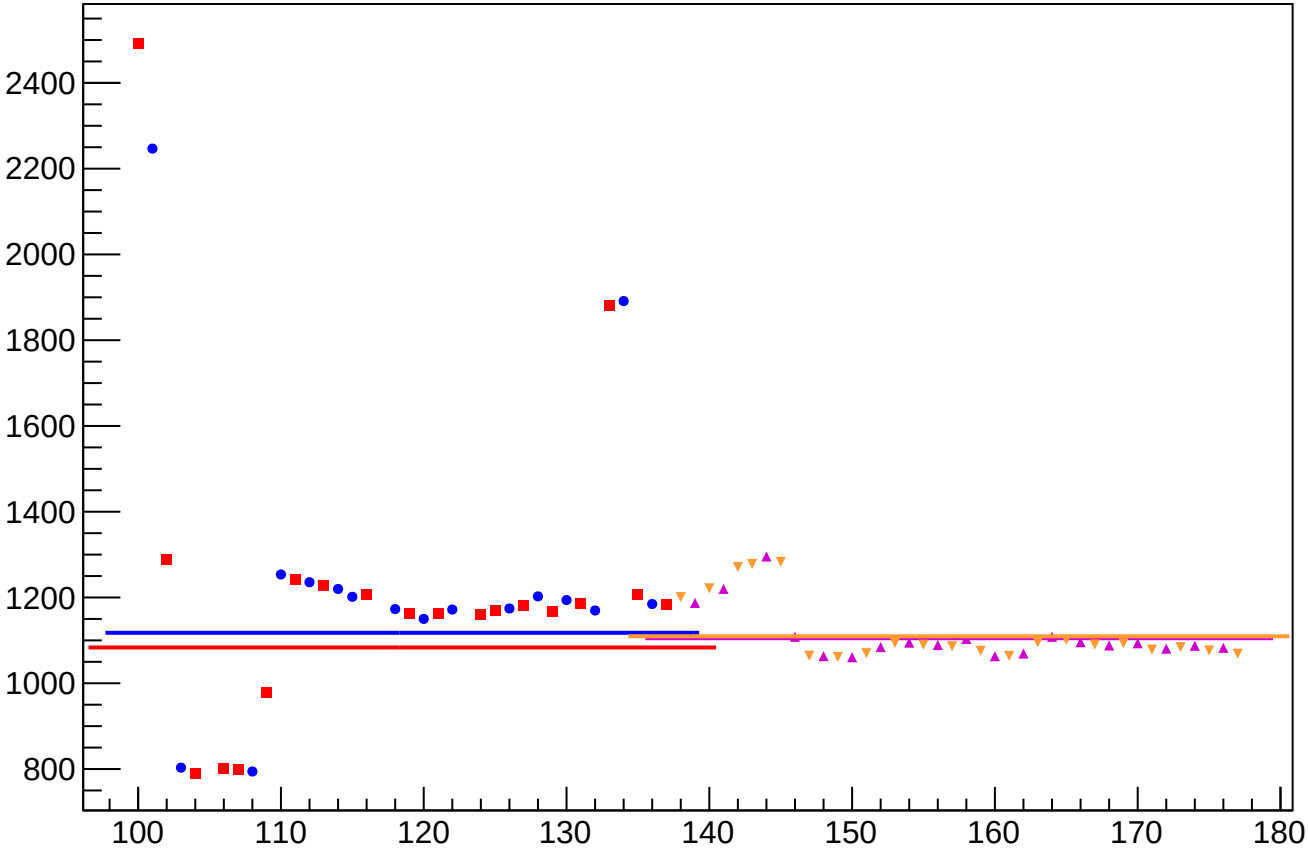
Left In: 583.846+/-280.654 χ^2/NDF:9.5/18

+ sign 205.792+/-229.562 χ^2/NDF: 54.7/36

All: 319.291+/-163.128 χ^2/NDF: 78.7/74

- sign 435.065+/-231.851 χ^2/NDF: 23.5/37

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1109.533+/-0.192 χ^2/NDF:117969.5/20

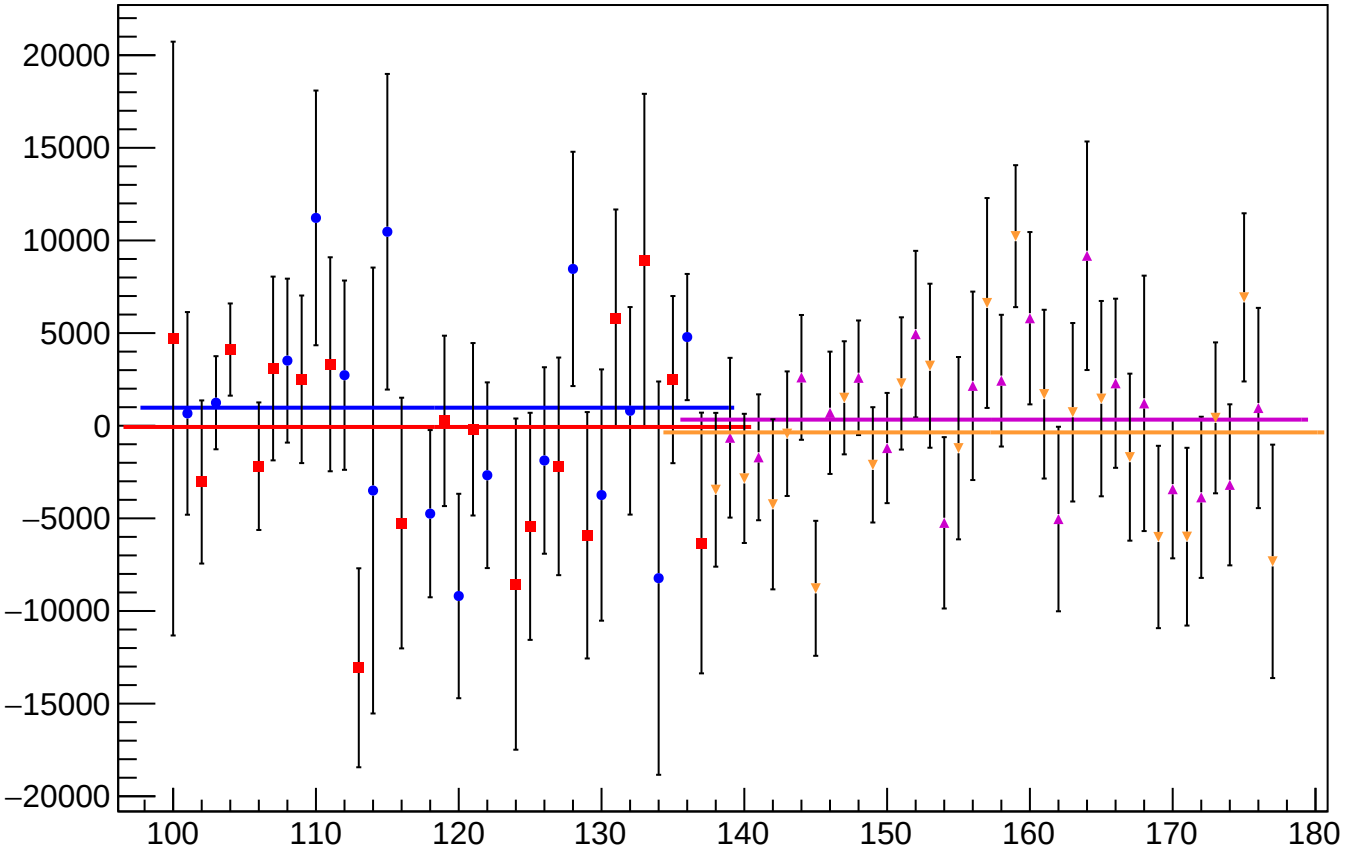
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

+ sign 1111.885+/-0.162 χ^2/NDF: 938318.8/36

All: 1105.079+/-0.115 χ^2/NDF: 1617364.1/74

- sign 1098.146+/-0.164 χ^2/NDF: 675496.8/37



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -360.093+/-902.588 χ^2/NDF:25.2/20

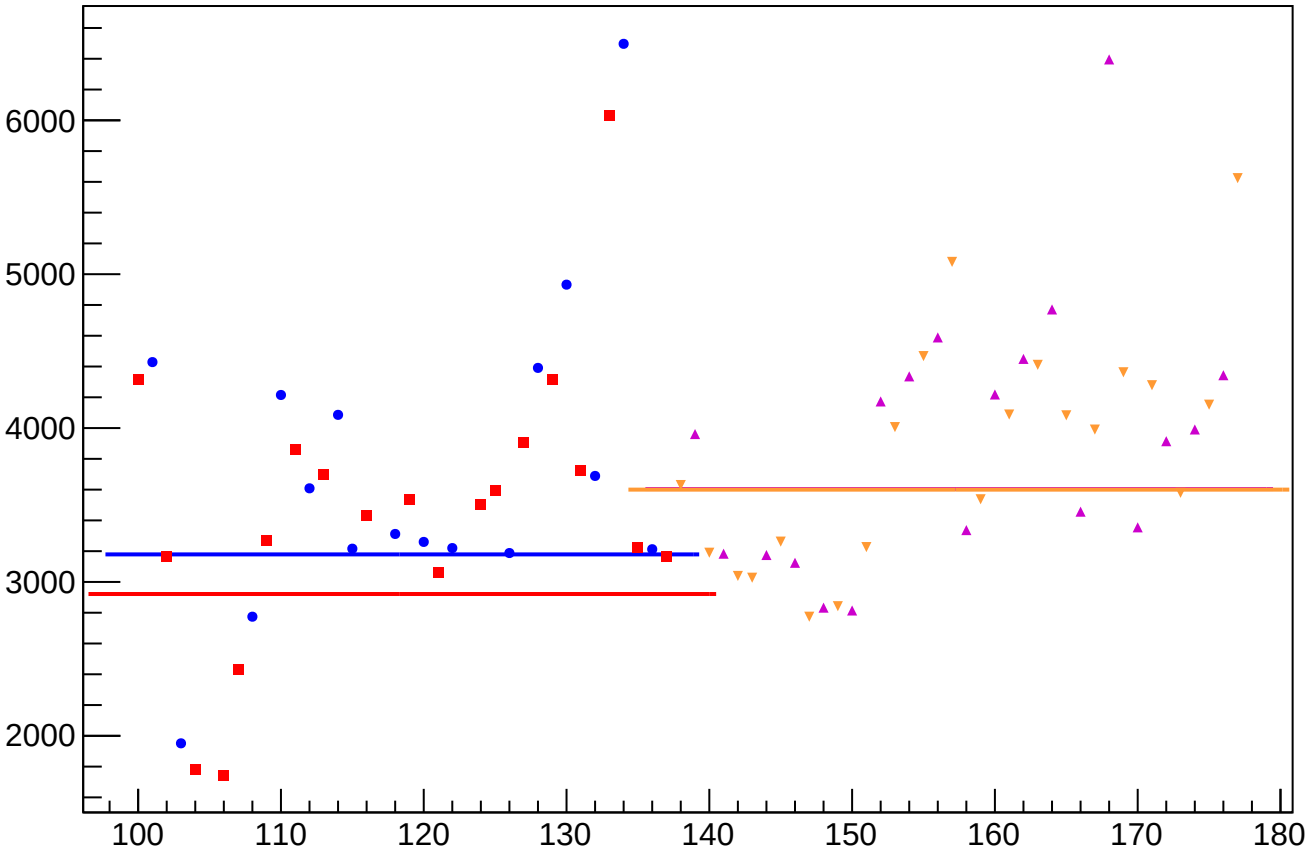
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 329.012+/-934.317 χ^2/NDF:12.1/18

+ sign 105.209+/-728.265 χ^2/NDF: 39.8/36

All: 137.625+/-512.764 χ^2/NDF: 68.9/74

- sign 169.493+/-722.090 χ^2/NDF: 29.1/37



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3600.023+/-0.638 χ^2/NDF:1071291.2/20

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

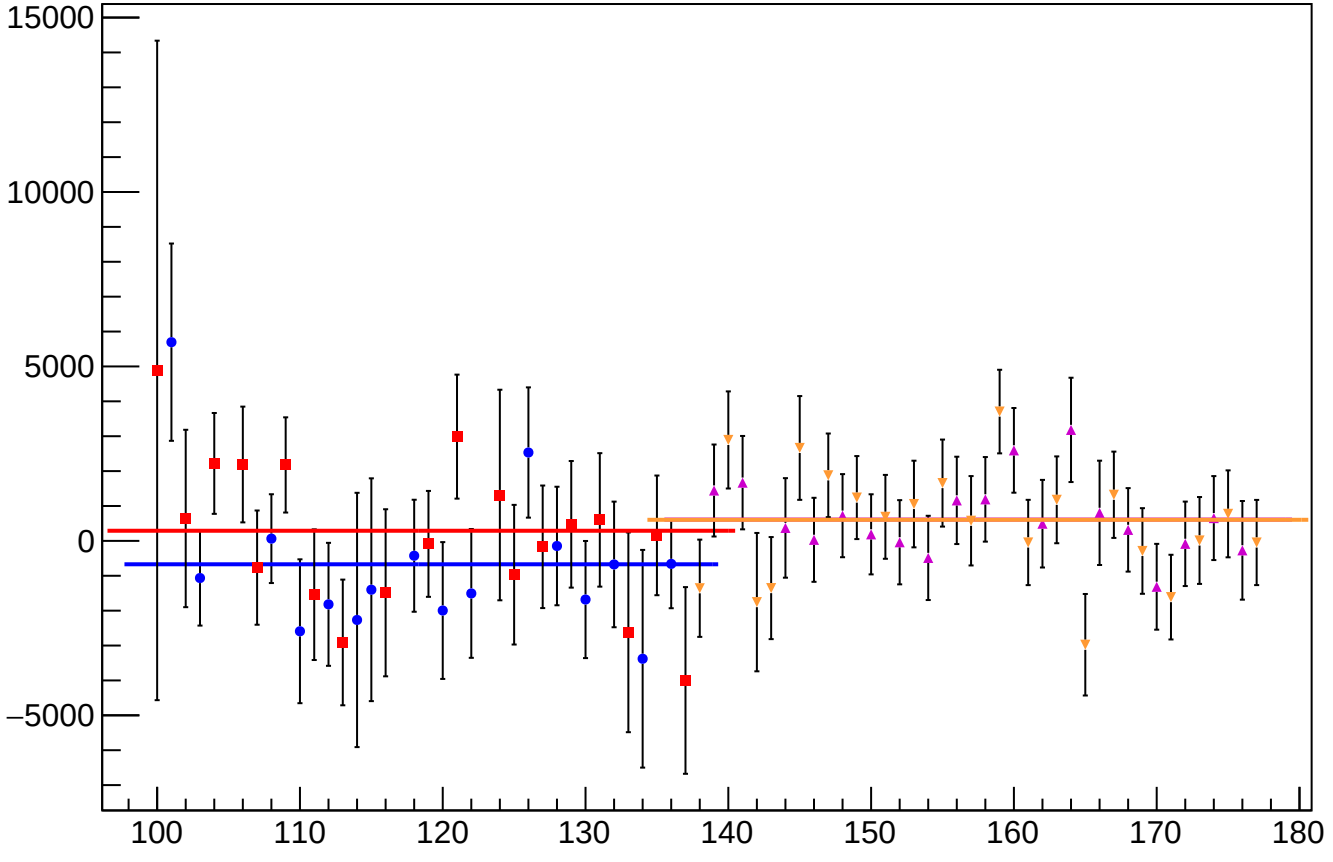
Left In: 3603.815+/-0.661 χ^2/NDF:1119180.2/18

+ sign 3453.116+/-0.515 χ^2/NDF: 2314352.0/36

All: 3390.582+/-0.363 χ^2/NDF: 5205016.2/74

- sign 3329.104+/-0.511 χ^2/NDF: 2861420.6/37

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 604.403+/-281.261 χ^2/NDF:30.1/20

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

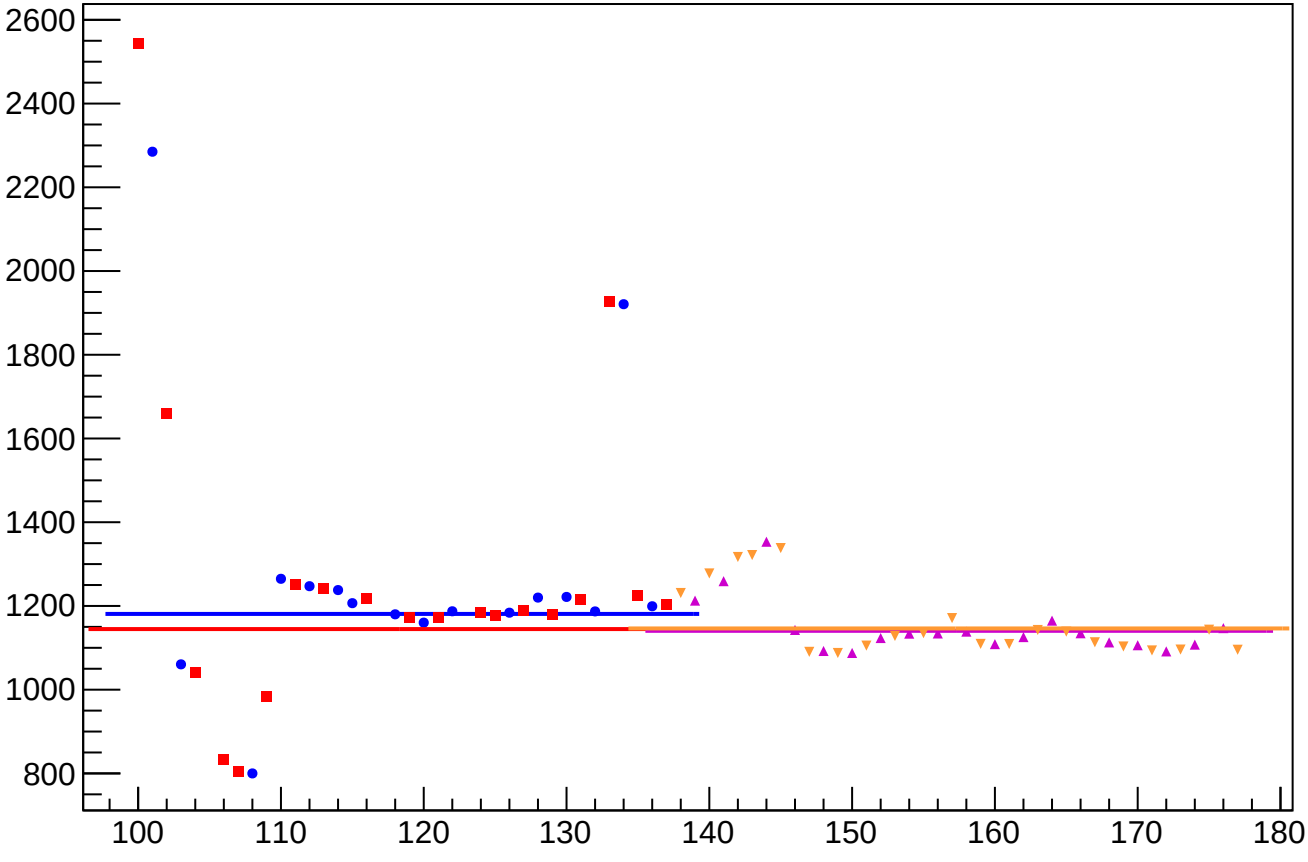
Left In: 610.678+/-289.762 χ^2/NDF:11.9/18

\+ sign 244.452+/-238.282 χ^2/NDF: 47.7/36

All: 376.693+/-169.464 χ^2/NDF: 77.5/74

\- sign 512.035+/-241.059 χ^2/NDF: 29.2/37

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1146.266+/-0.199 χ^2/NDF:133168.6/20

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

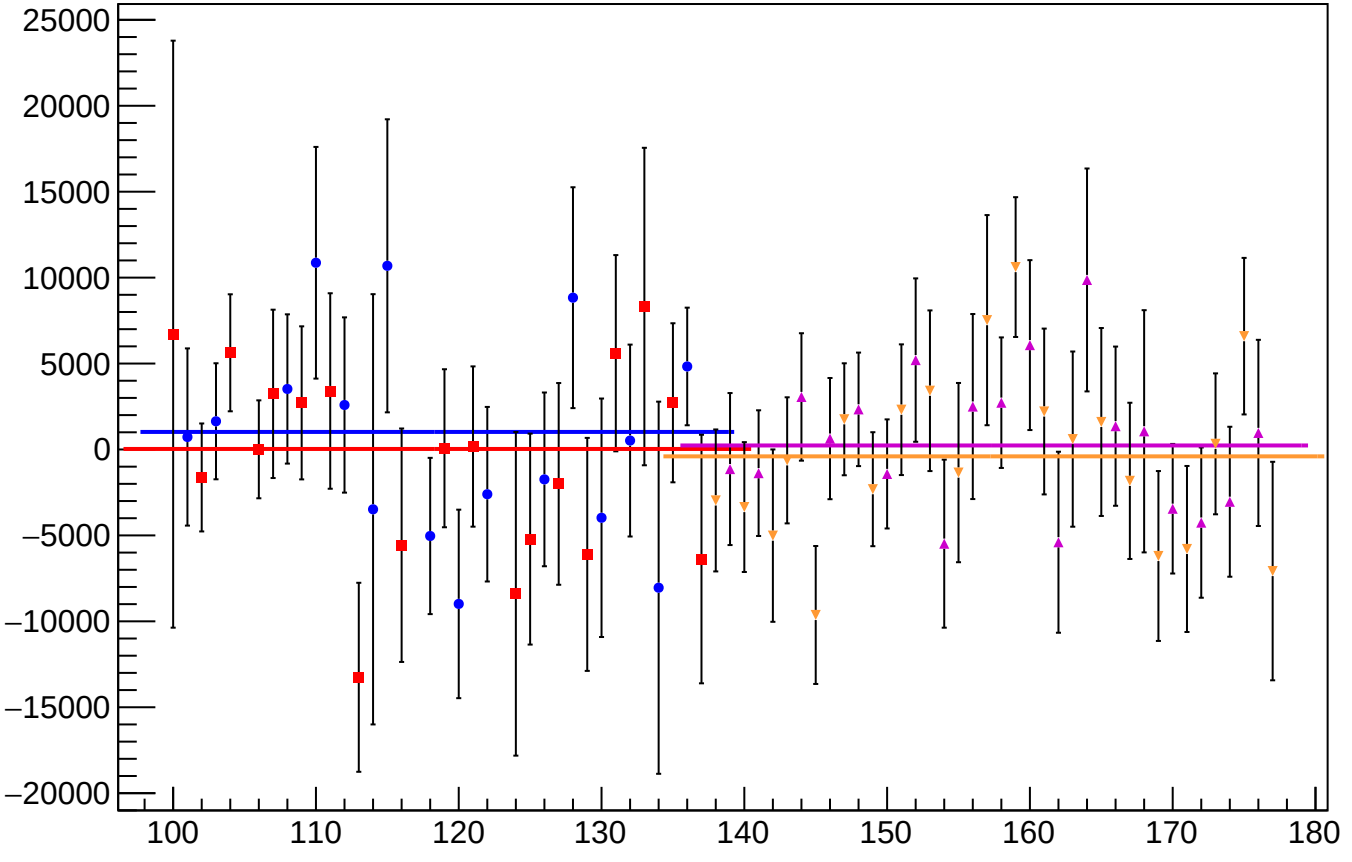
Left In: 1140.621+/-0.205 χ^2/NDF:83932.5/18

+ sign 1156.057+/-0.168 χ^2/NDF: 763634.8/36

All: 1149.060+/-0.120 χ^2/NDF: 1348913.6/74

- sign 1141.901+/-0.170 χ^2/NDF: 581789.8/37

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -400.494+/-949.848 χ^2/NDF:24.8/20

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

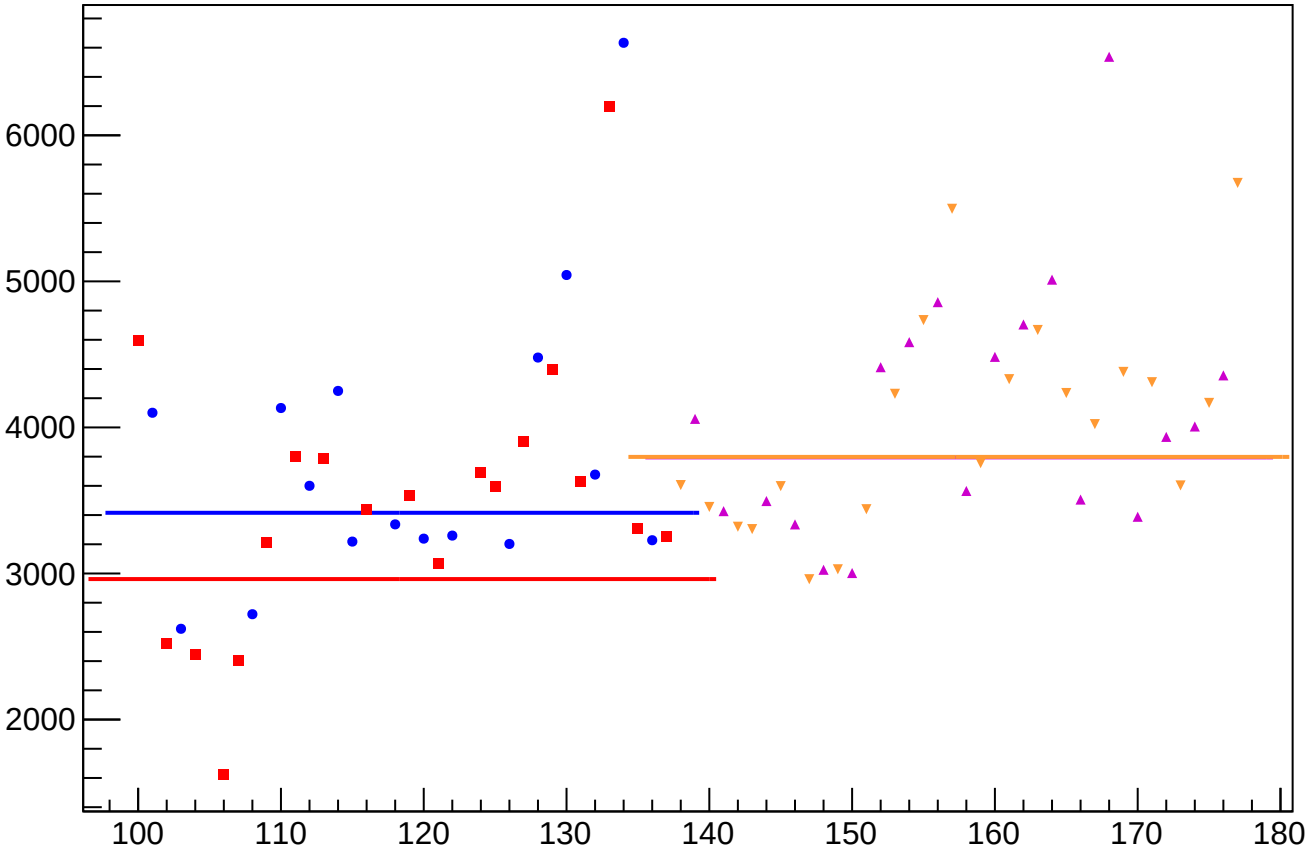
Left In: 233.256+/-982.174 χ^2/NDF:12.0/18

+ sign 93.064+/-767.440 χ^2/NDF: 39.4/36

All: 120.394+/-533.256 χ^2/NDF: 67.6/74

- sign 145.908+/-741.505 χ^2/NDF: 28.2/37

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3798.260+/-0.672 χ^2/NDF:916178.9/20

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

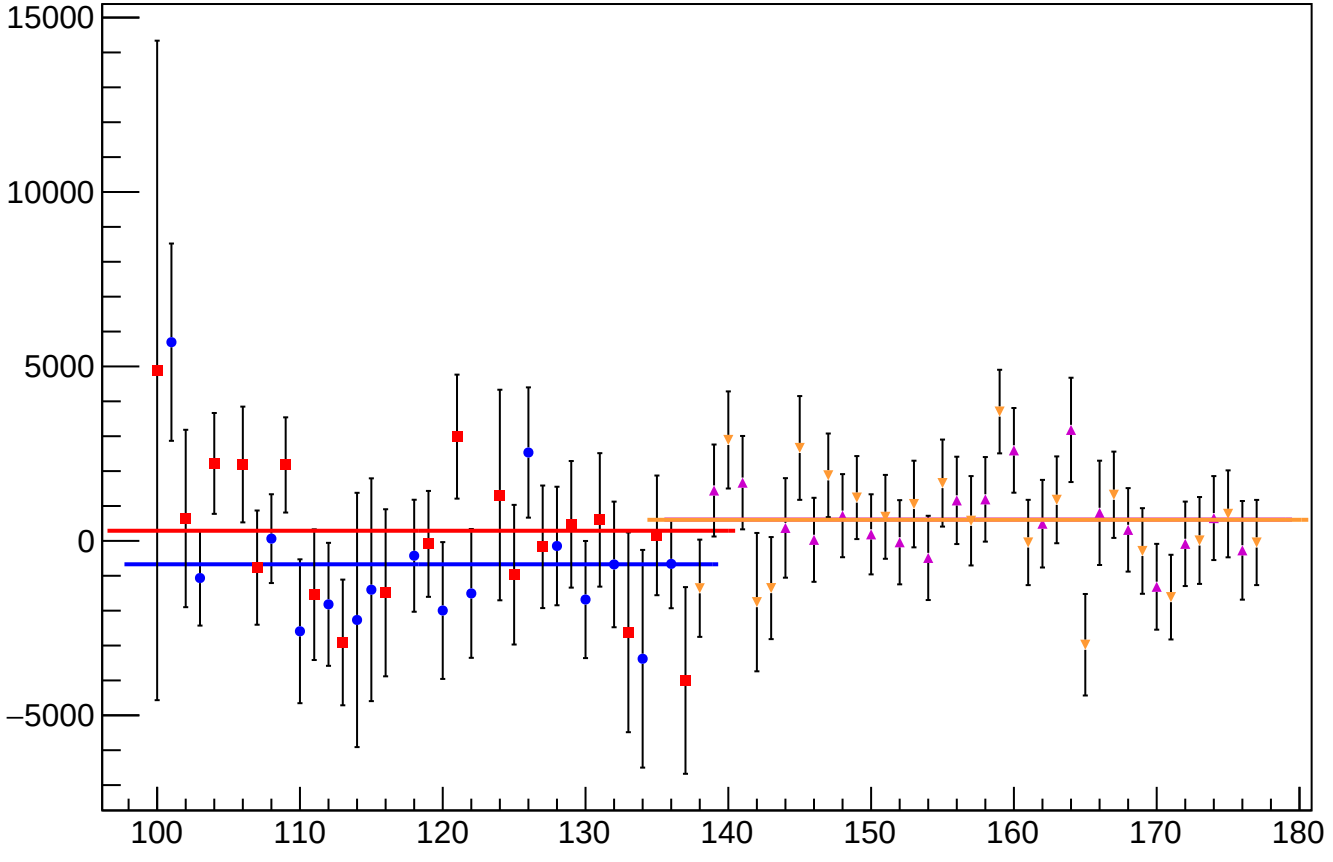
Left In: 3794.916+/-0.695 χ^2/NDF:1009442.4/18

+ sign 3665.398+/-0.543 χ^2/NDF: 1621226.5/36

All: 3547.093+/-0.377 χ^2/NDF: 4510647.2/74

- sign 3436.649+/-0.524 χ^2/NDF: 2797523.2/37

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 604.408+/-281.261 χ^2/NDF:30.1/20

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

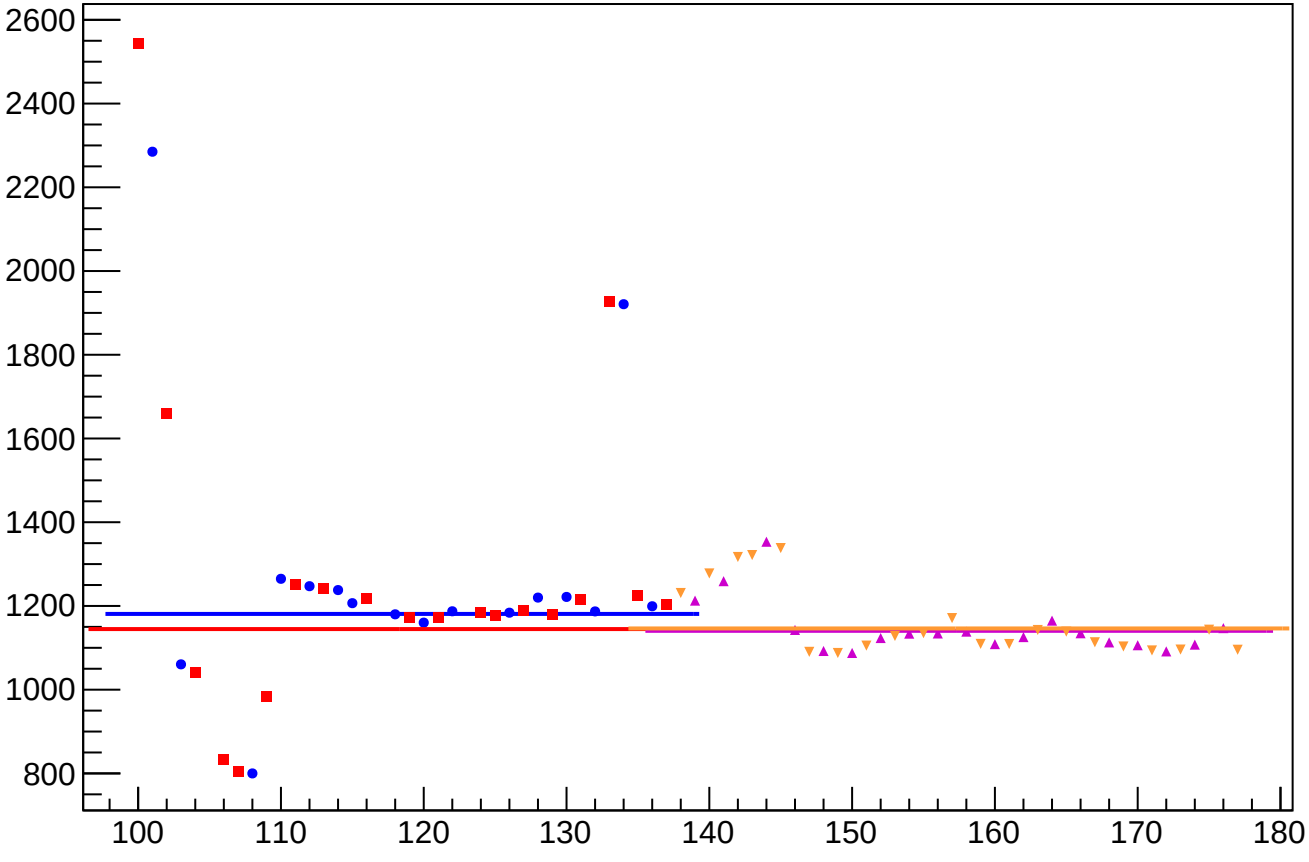
Left In: 610.679+/-289.762 χ^2/NDF:11.9/18

+ sign 244.453+/-238.282 χ^2/NDF: 47.7/36

All: 376.695+/-169.464 χ^2/NDF: 77.5/74

- sign 512.037+/-241.060 χ^2/NDF: 29.2/37

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1146.266+/-0.199 χ^2/NDF:133168.8/20

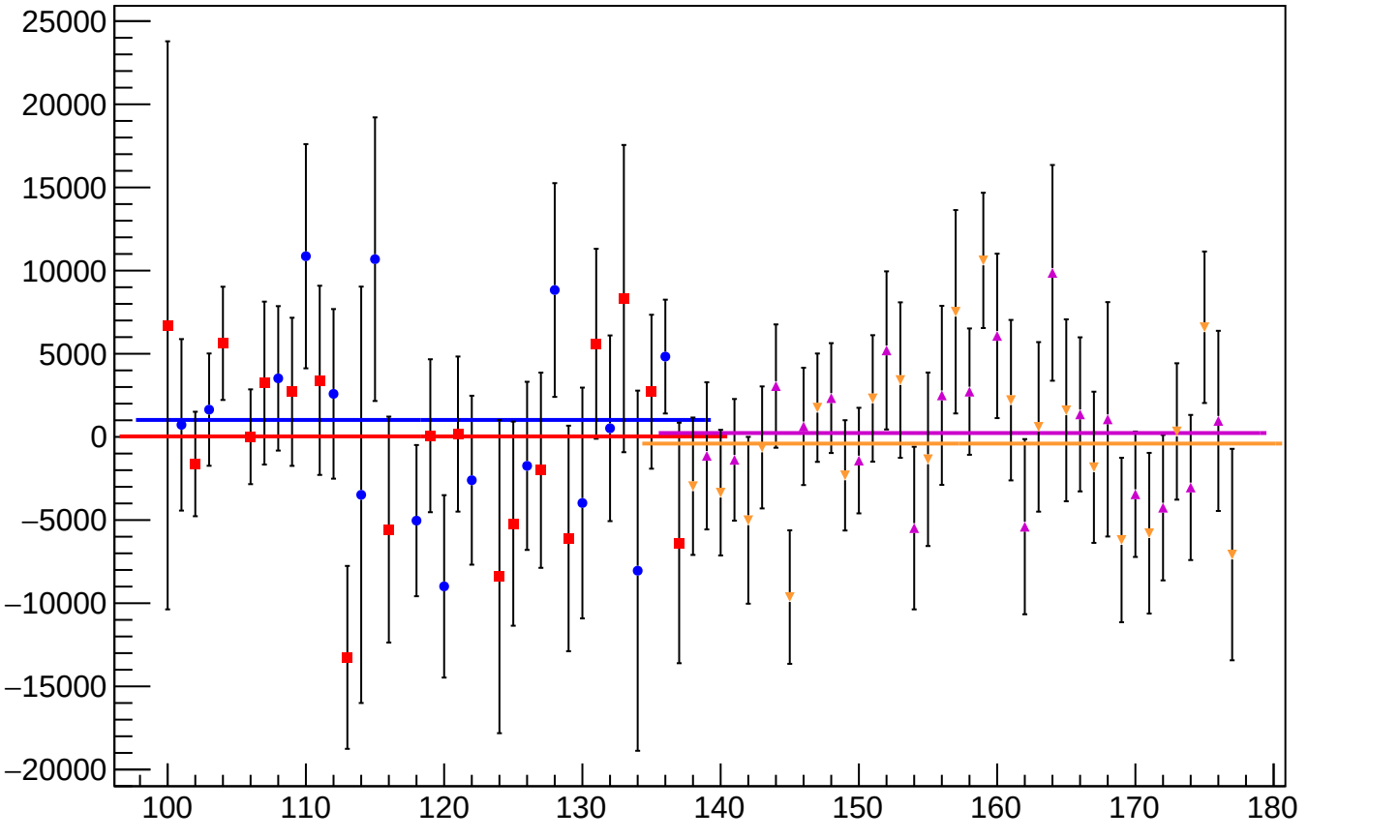
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.622+/-0.205 χ^2/NDF:83932.2/18

+ sign 1156.058+/-0.168 χ^2/NDF: 763634.8/36

All: 1149.061+/-0.120 χ^2/NDF: 1348912.8/74

- sign 1141.902+/-0.170 χ^2/NDF: 581789.1/37



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -400.494+/-949.849 χ^2/NDF:24.8/20

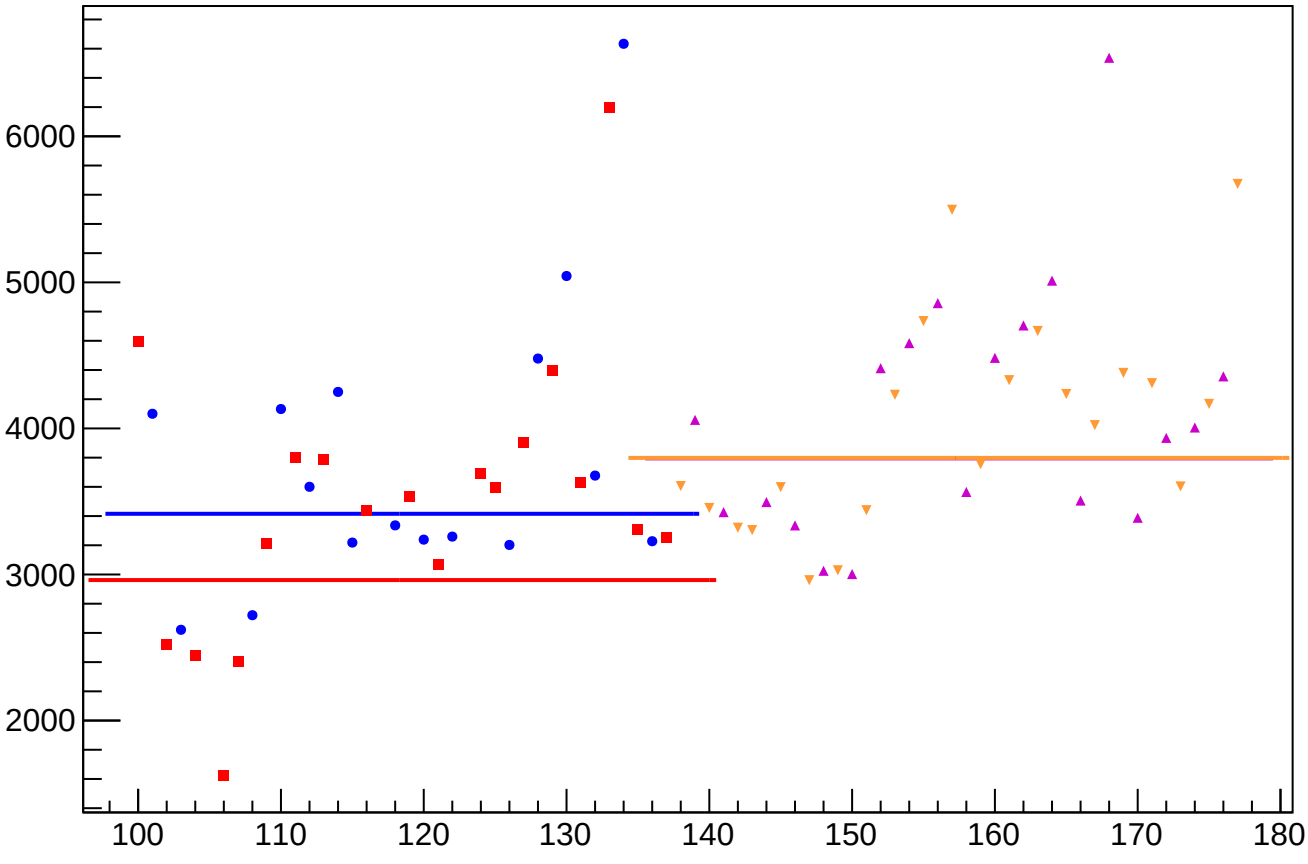
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 233.253+/-982.175 χ^2/NDF:12.0/18

\+ sign 93.060+/-767.440 χ^2/NDF: 39.4/36

All: 120.392+/-533.256 χ^2/NDF: 67.6/74

\- sign 145.909+/-741.505 χ^2/NDF: 28.2/37



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3798.265+/-0.672 χ^2/NDF:916178.2/20

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

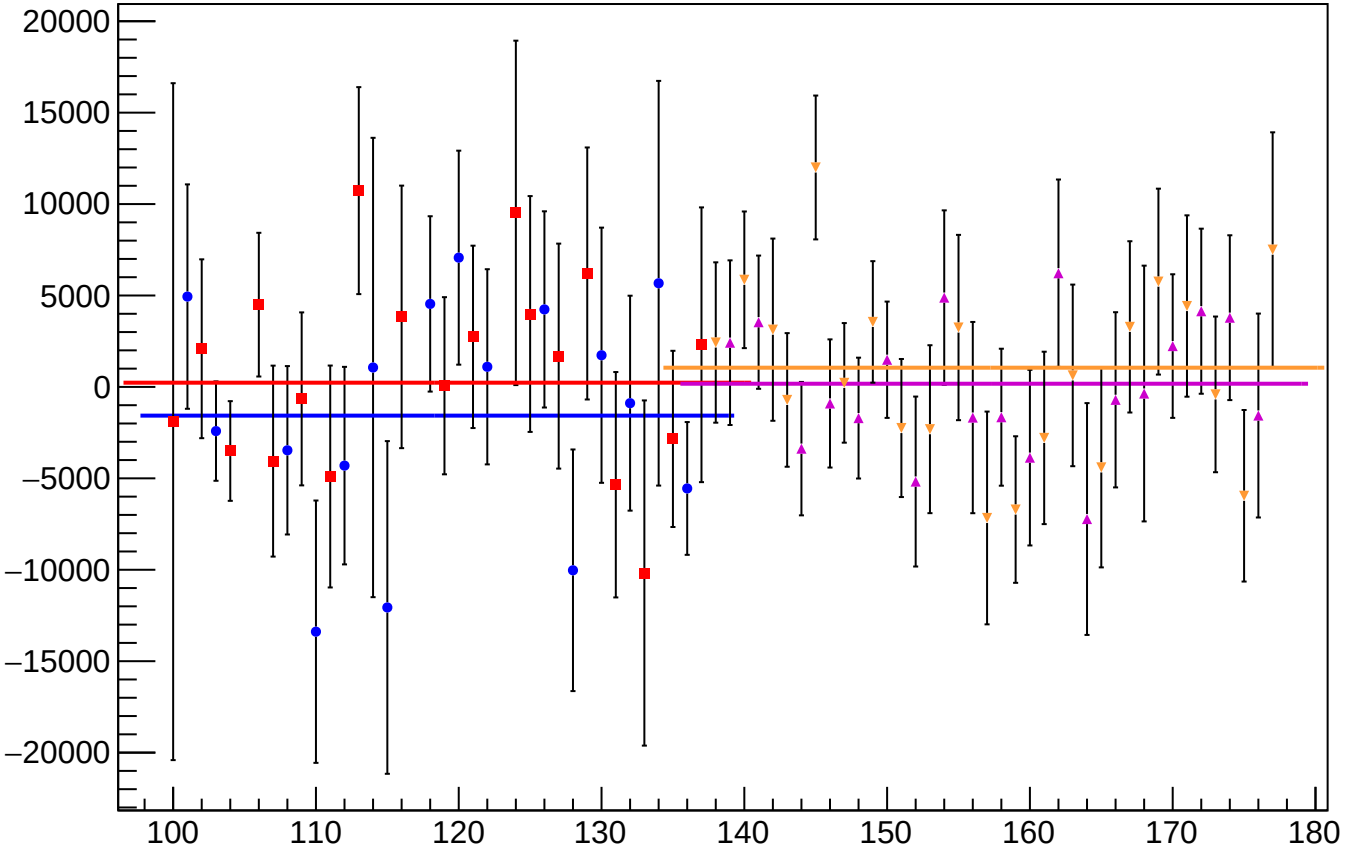
Left In: 3794.921+/-0.695 χ^2/NDF:1009443.0/18

+ sign 3665.400+/-0.543 χ^2/NDF: 1621226.2/36

All: 3547.094+/-0.377 χ^2/NDF: 4510664.0/74

- sign 3436.649+/-0.524 χ^2/NDF: 2797538.3/37

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1051.357+/-951.485 χ^2/NDF:24.3/20

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

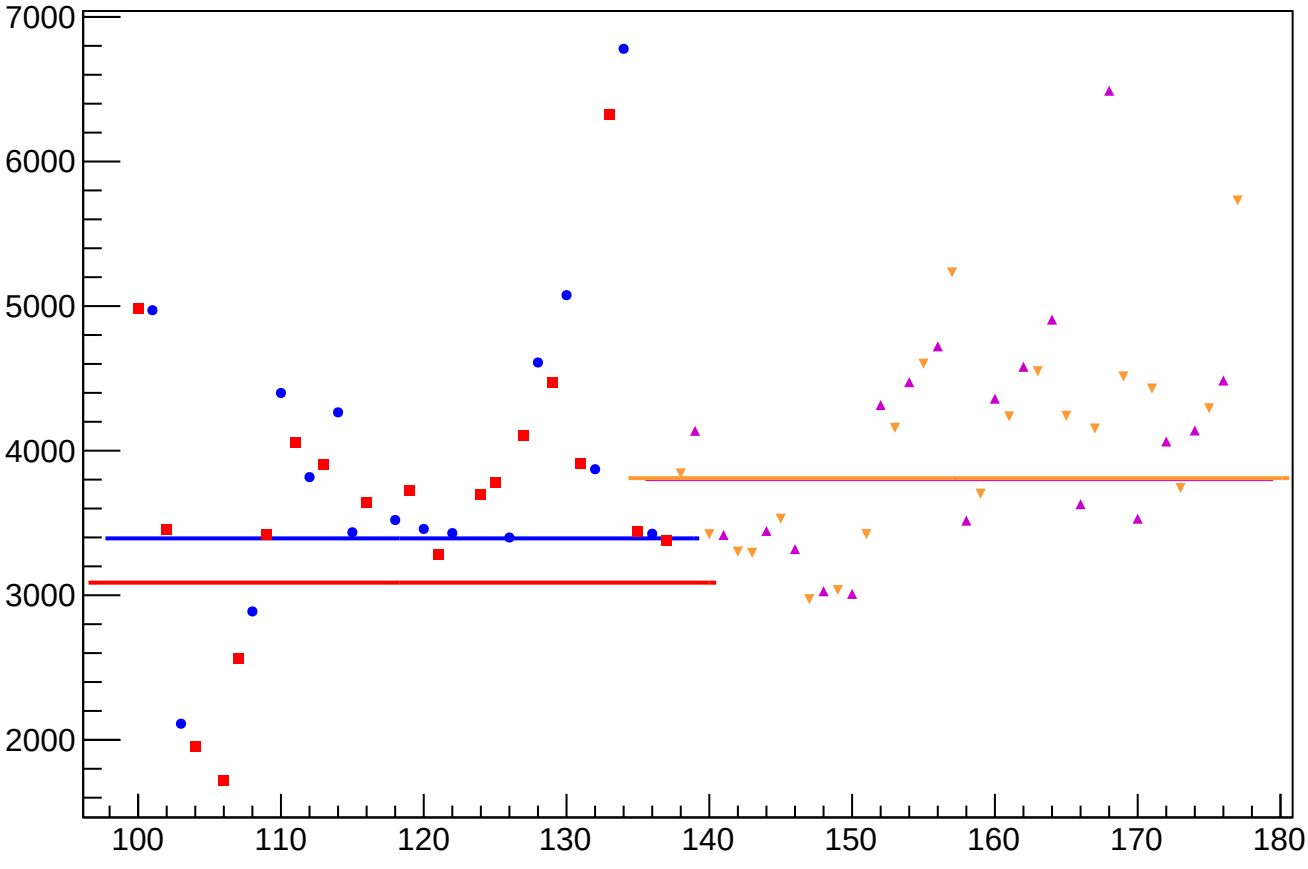
Left In: 174.301+/-982.777 χ^2/NDF:10.6/18

\+ sign 148.775+/-770.442 χ^2/NDF: 41.4/36

All: 172.797+/-543.352 χ^2/NDF: 65.2/74

\- sign 196.568+/-766.404 χ^2/NDF: 23.8/37

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3810.128+/-0.673 χ^2/NDF:889007.3/20

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

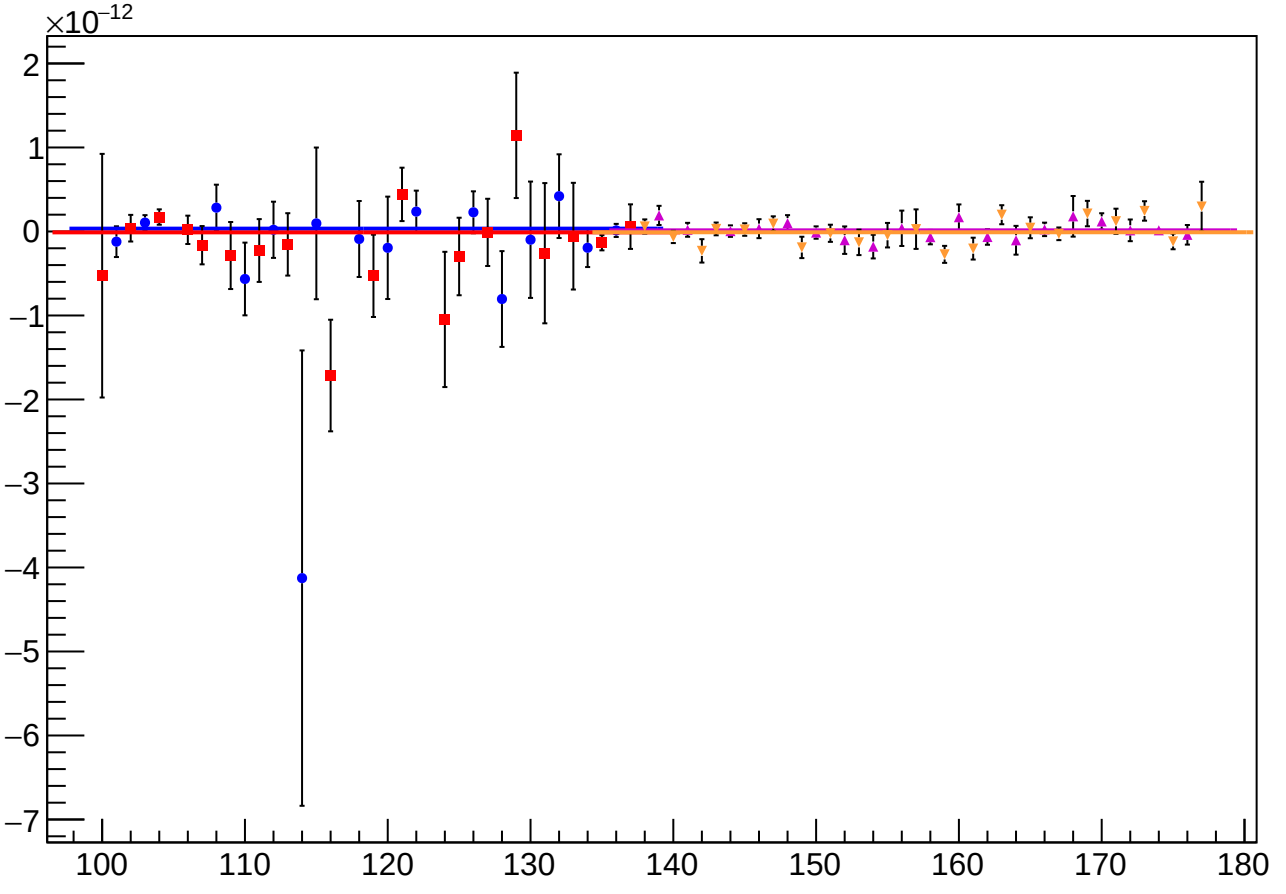
Left In: 3803.374+/-0.695 χ^2/NDF:951335.5/18

+ sign 3666.618+/-0.545 χ^2/NDF: 2069843.4/36

All: 3590.912+/-0.383 χ^2/NDF: 4812338.8/74

- sign 3516.993+/-0.538 χ^2/NDF: 2704328.7/37

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:31.2/20

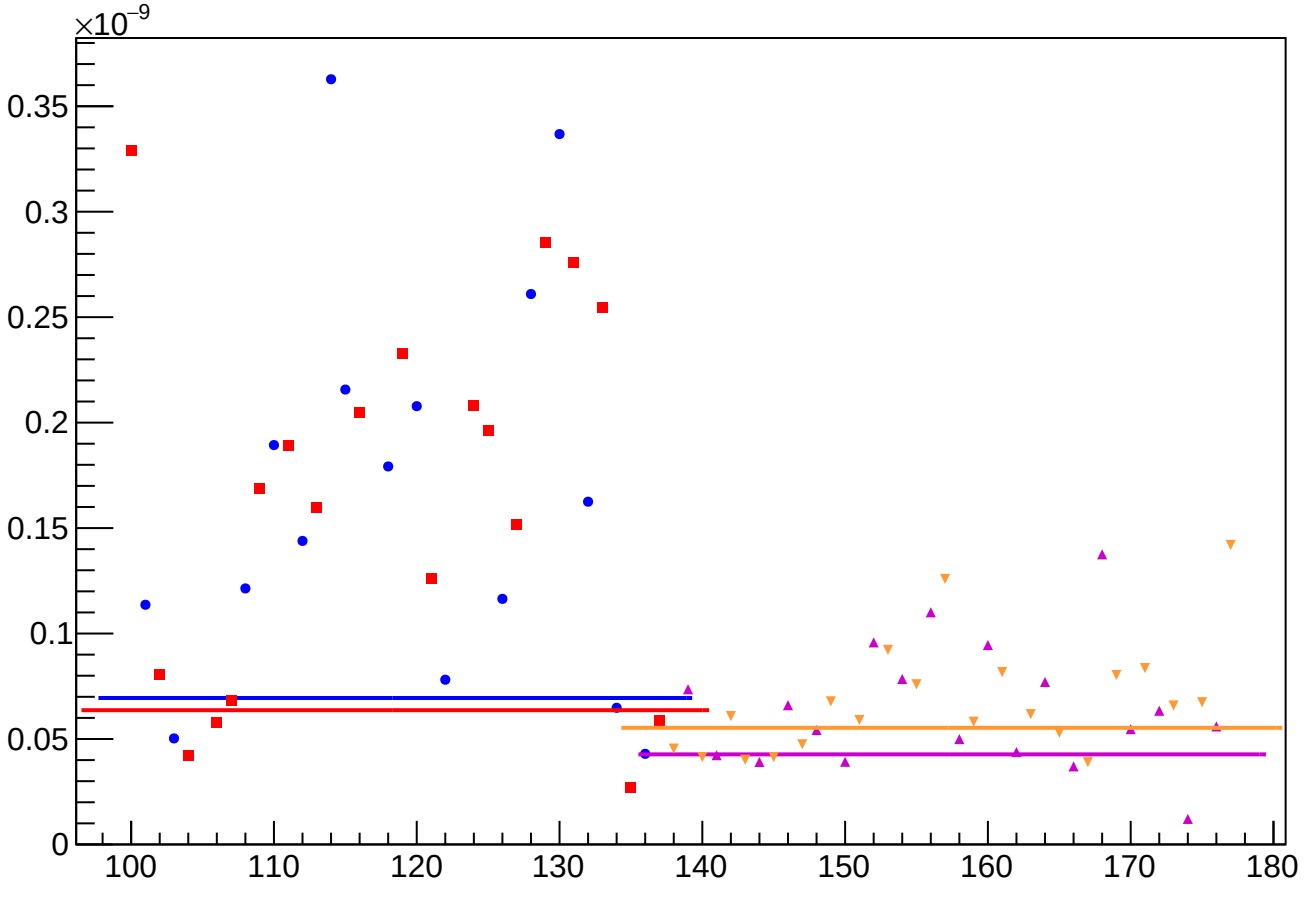
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 43.6/36

All: 0.000+/-0.000 χ^2/NDF: 76.8/74

- sign 0.000+/-0.000 χ^2/NDF: 33.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1162668.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

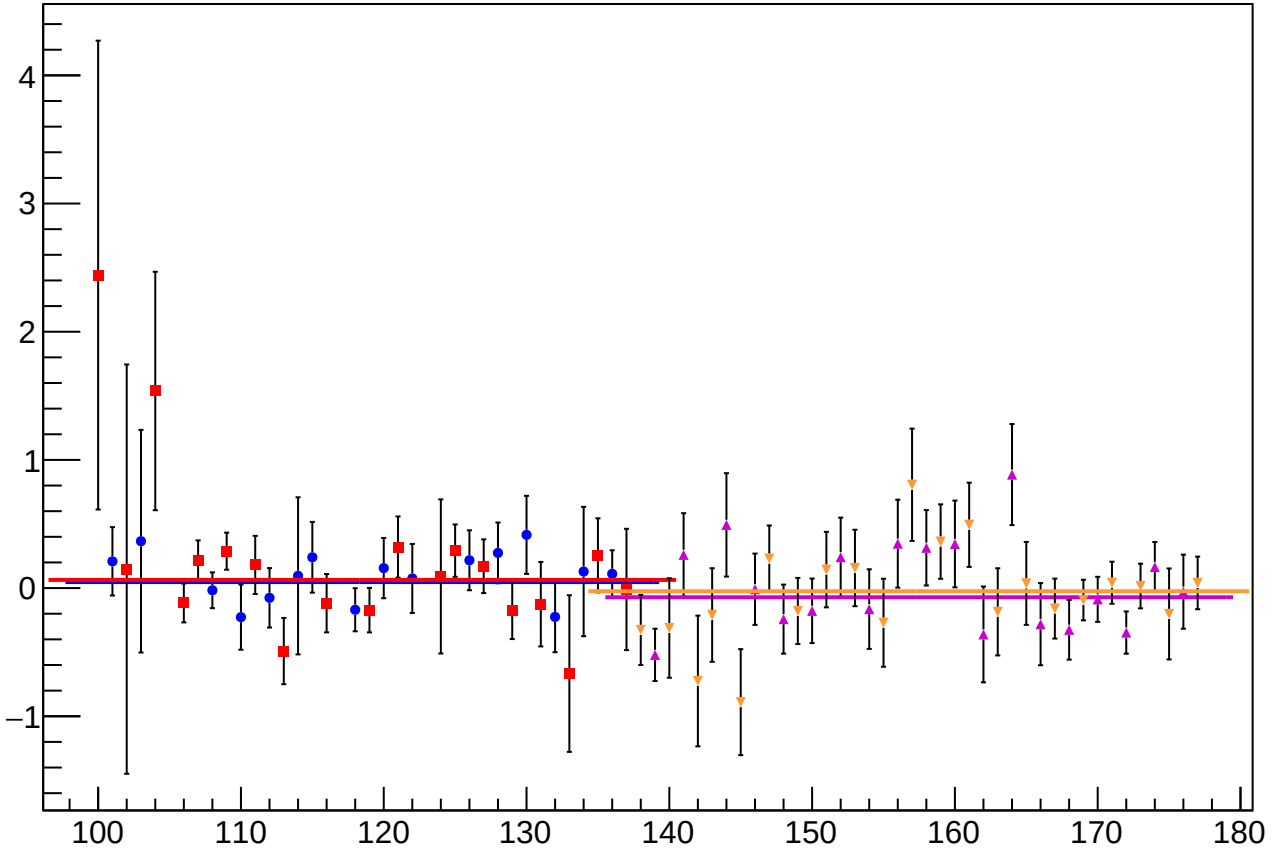
Left In: 0.000+/-0.000 χ^2/NDF:2674966.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 3028826.2/36

All: 0.000+/-0.000 χ^2/NDF: 8609690.9/74

- sign 0.000+/-0.000 χ^2/NDF: 5228055.7/37

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: -0.025+/-0.057 χ^2/NDF:20.0/20

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

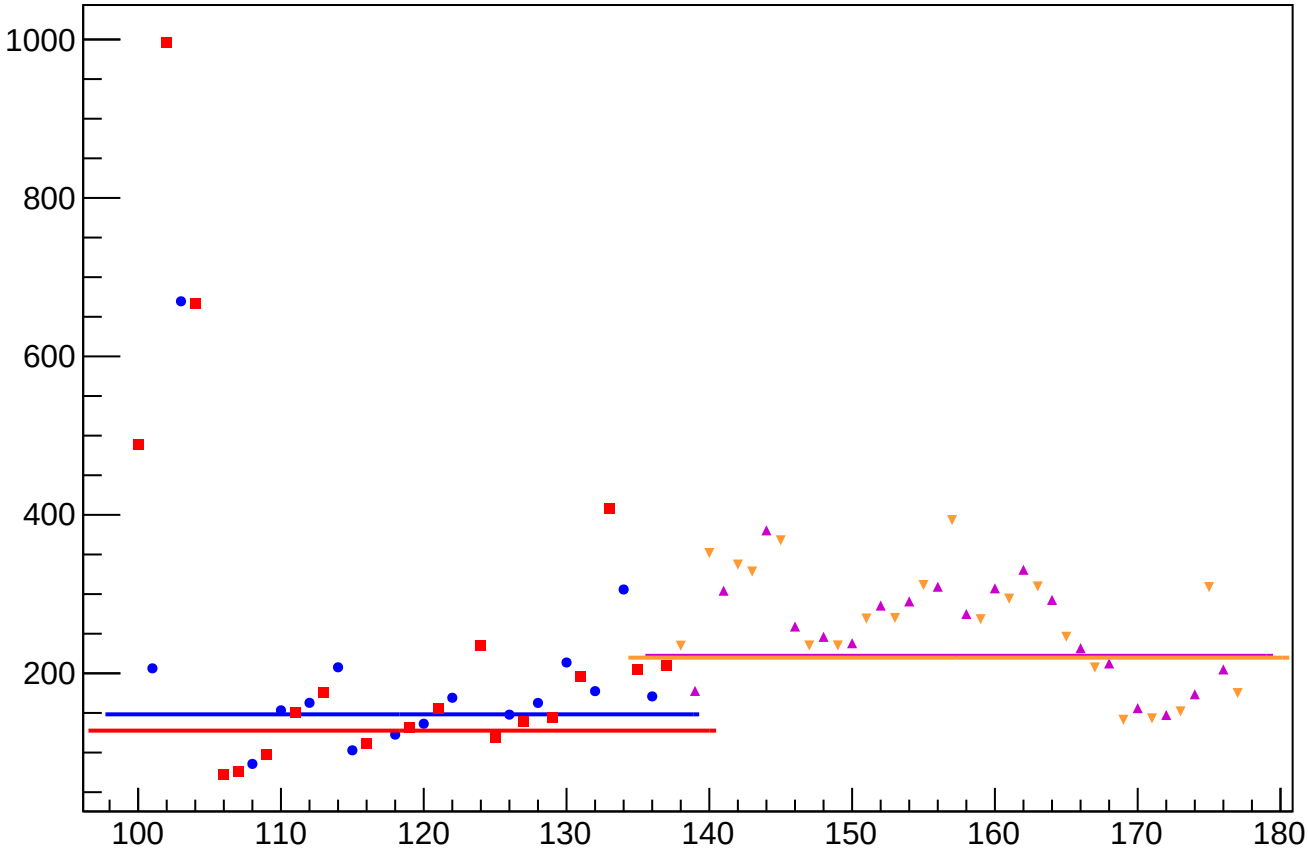
Left In: -0.072+/-0.060 χ^2/NDF:26.7/18

+ sign 0.010+/-0.042 χ^2/NDF: 29.3/36

All: 0.006+/-0.029 χ^2/NDF: 81.1/74

- sign 0.002+/-0.040 χ^2/NDF: 51.8/37

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: 219.765+/-0.041 χ^2/NDF:3127798.7/20

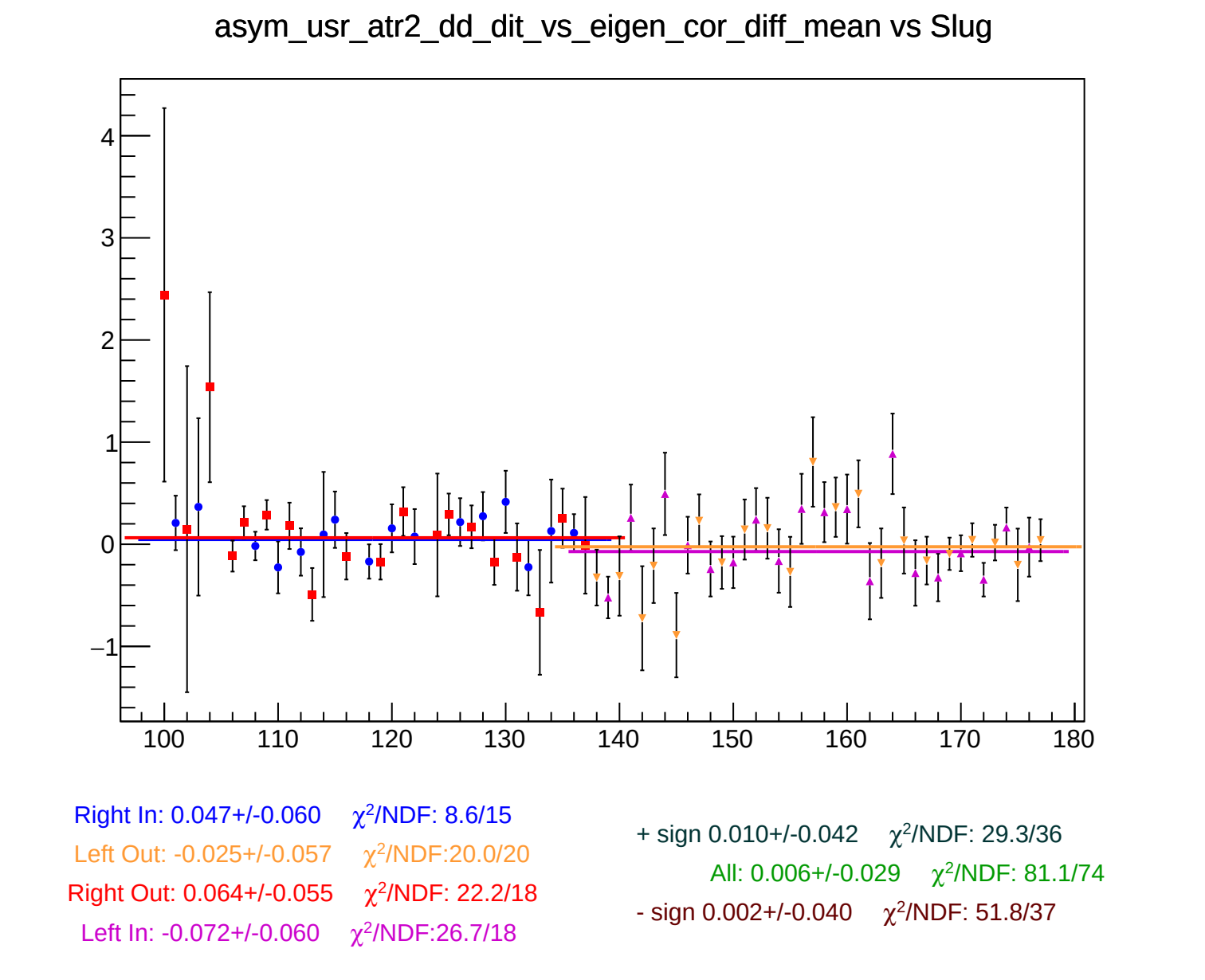
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.120+/-0.042 χ^2/NDF:2155051.9/18

+ sign 185.559+/-0.029 χ^2/NDF: 6319300.0/36

All: 177.958+/-0.020 χ^2/NDF: 14170830.3/74

- sign 170.794+/-0.028 χ^2/NDF: 7721288.1/37


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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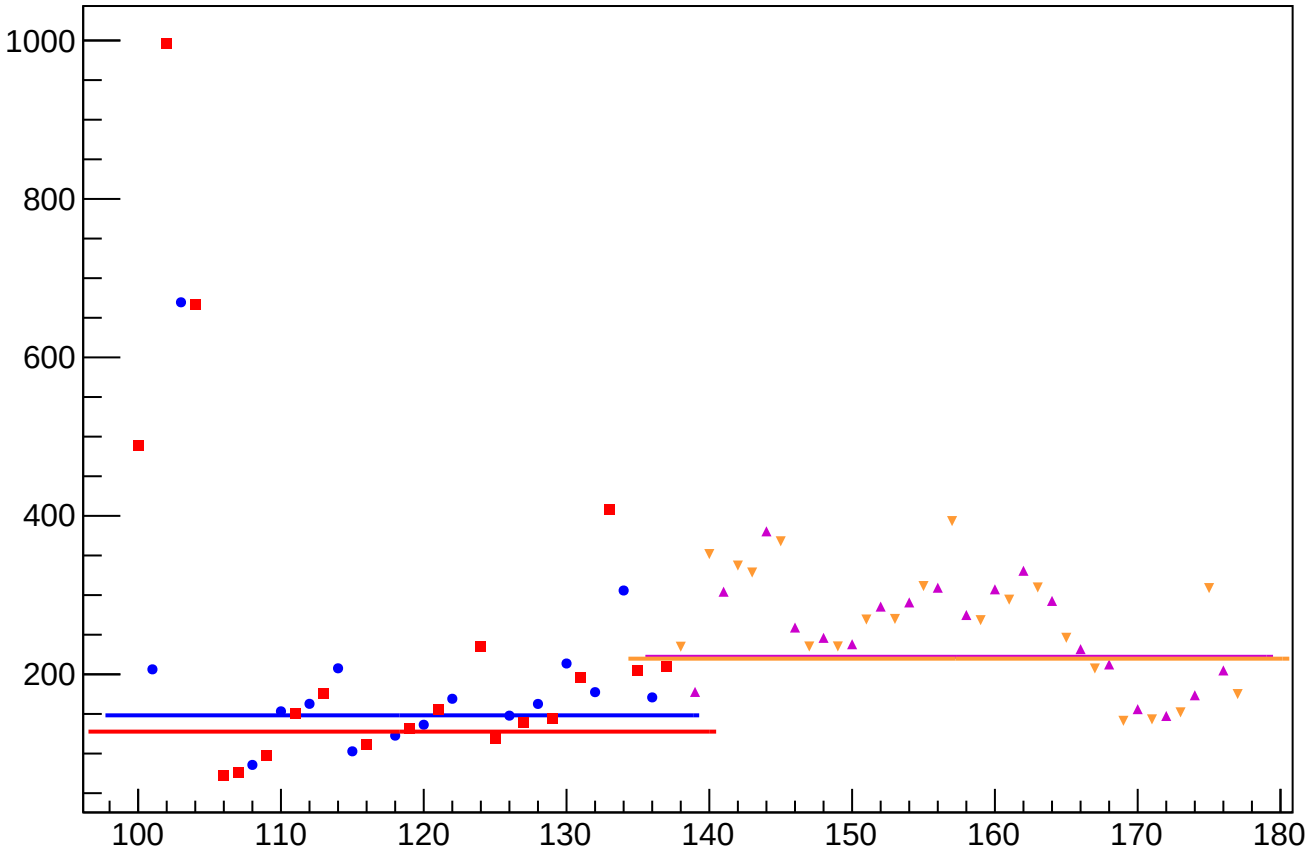
180
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.025+/-0.057 χ²/NDF:20.0/20
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.072+/-0.060 χ²/NDF:26.7/18
+ sign 0.010+/-0.042 χ²/NDF: 29.3/36
All: 0.006+/-0.029 χ²/NDF: 81.1/74
- sign 0.002+/-0.040 χ²/NDF: 51.8/37



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 219.765+/-0.041 χ^2/NDF:3127798.7/20

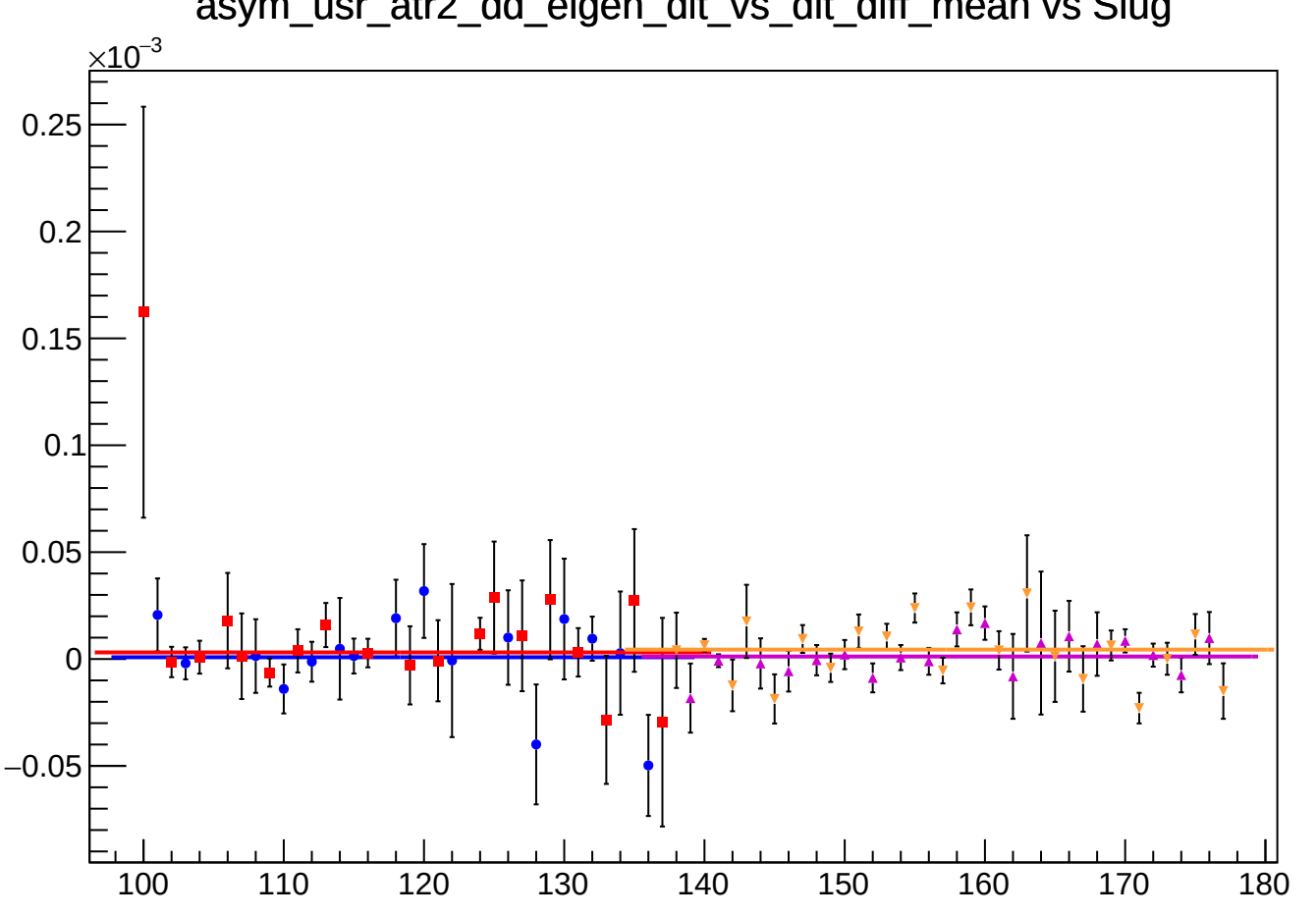
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.120+/-0.042 χ^2/NDF:2155051.9/18

+ sign 185.559+/-0.029 χ^2/NDF: 6319300.0/36

All: 177.958+/-0.020 χ^2/NDF: 14170830.3/74

- sign 170.794+/-0.028 χ^2/NDF: 7721288.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.5/20

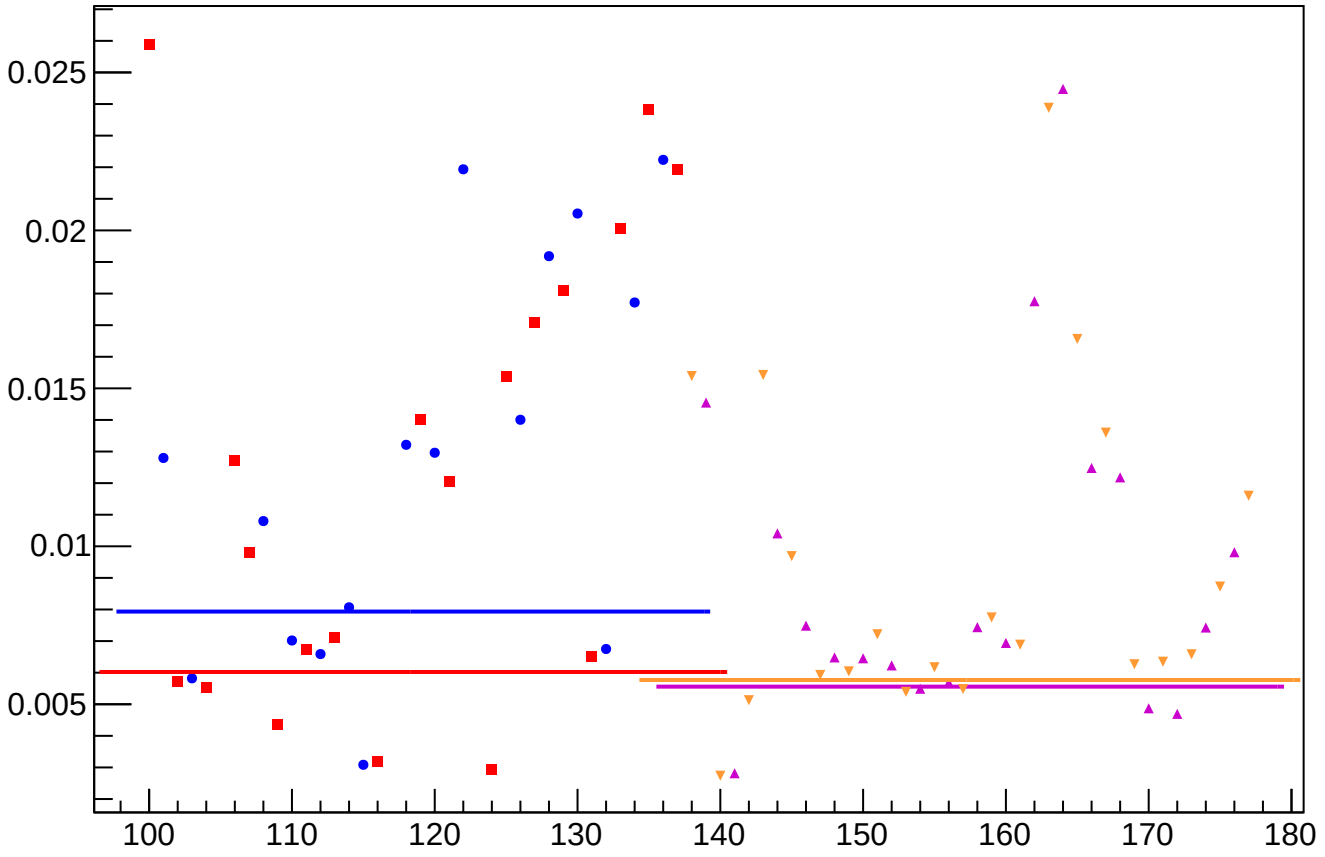
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:15.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 62.6/36

All: 0.000+/-0.000 χ^2/NDF: 92.4/74

- sign 0.000+/-0.000 χ^2/NDF: 28.7/37



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:6326707.7/20

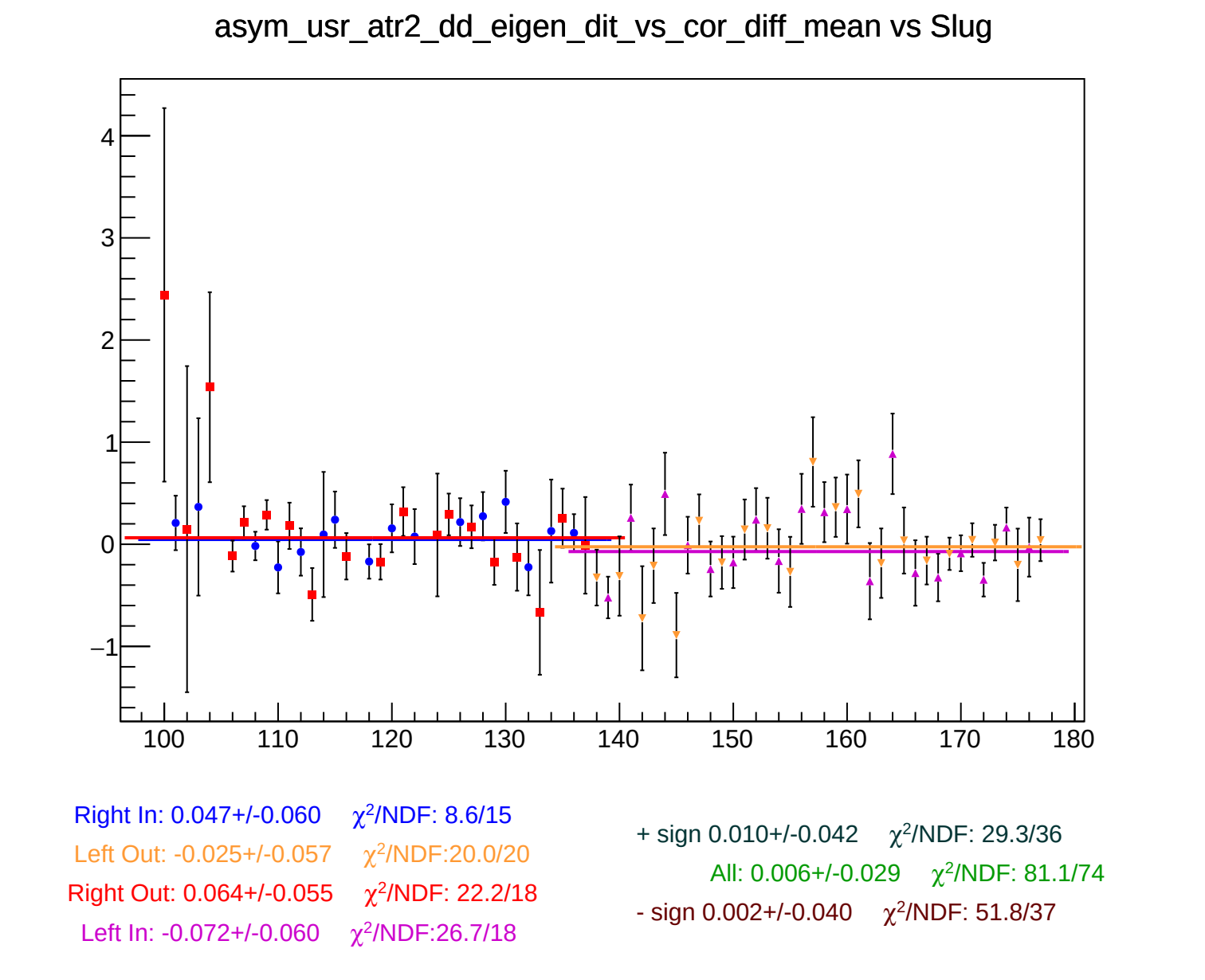
Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.006+/-0.000 χ^2/NDF:5554096.0/18

+ sign 0.006+/-0.000 χ^2/NDF: 10547188.3/36

All: 0.006+/-0.000 χ^2/NDF: 20266526.4/74

- sign 0.006+/-0.000 χ^2/NDF: 9608838.9/37


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
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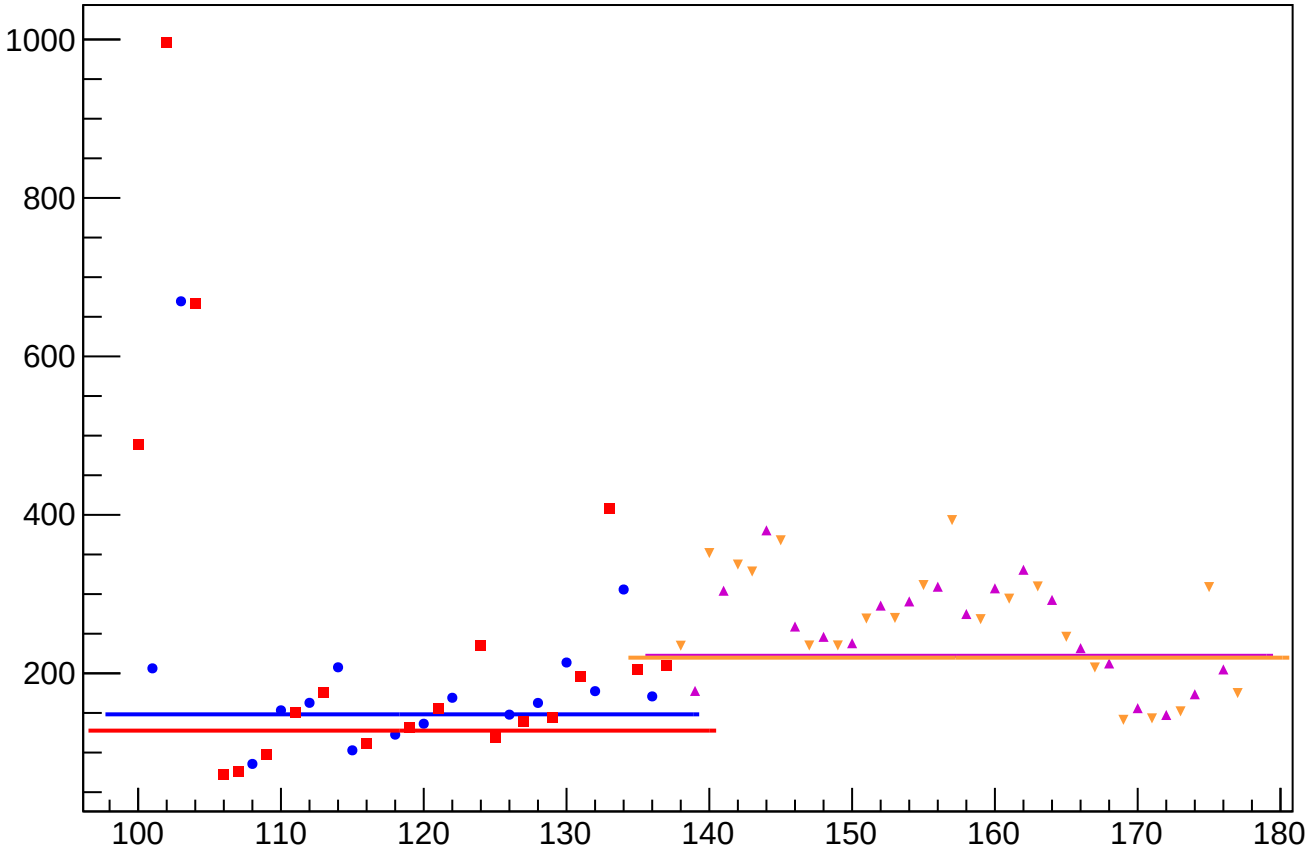
170
180
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.025+/-0.057 χ²/NDF:20.0/20
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.072+/-0.060 χ²/NDF:26.7/18
+ sign 0.010+/-0.042 χ²/NDF: 29.3/36
All: 0.006+/-0.029 χ²/NDF: 81.1/74
- sign 0.002+/-0.040 χ²/NDF: 51.8/37

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: 219.767+/-0.041 χ^2/NDF:3127909.6/20

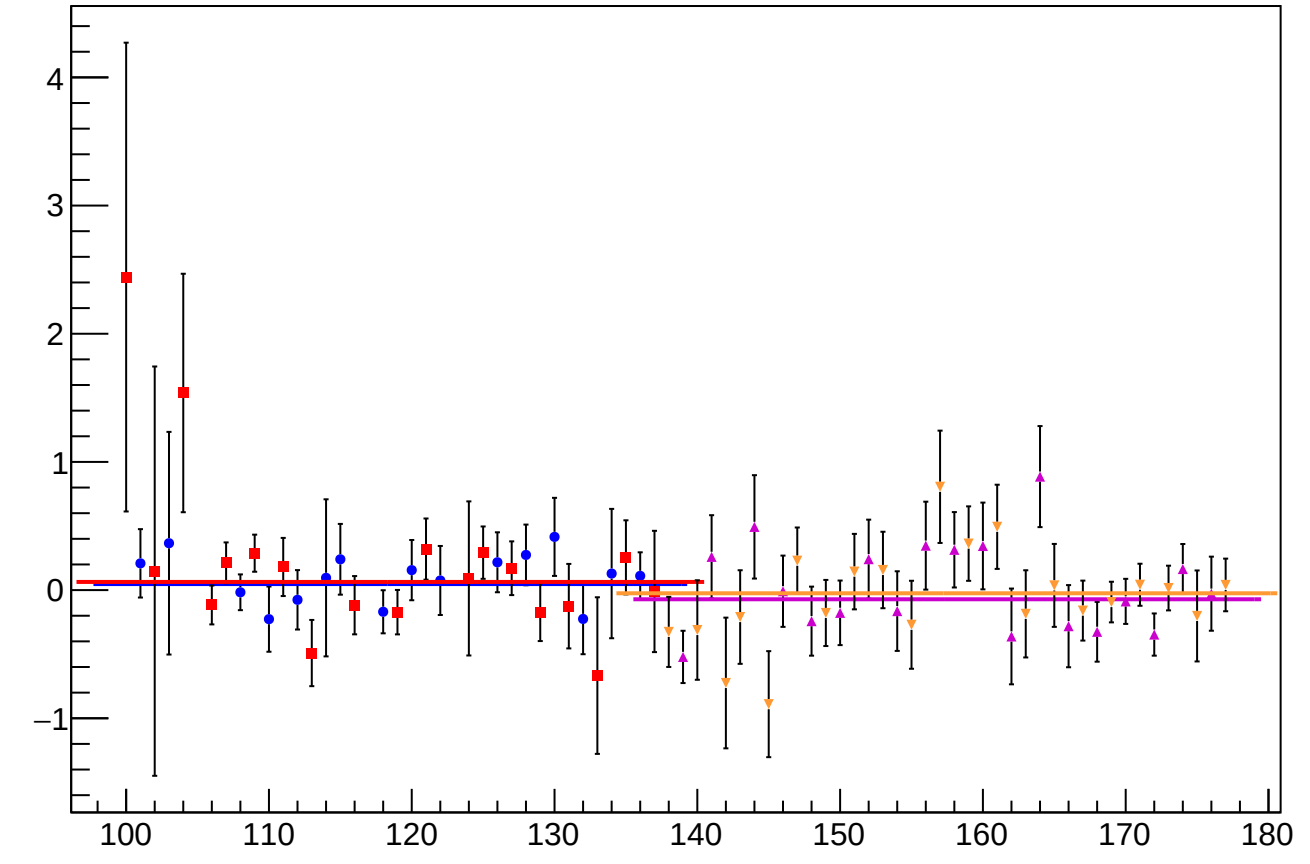
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.122+/-0.042 χ^2/NDF:2155095.8/18

+ sign 185.557+/-0.029 χ^2/NDF: 6319648.6/36

All: 177.957+/-0.020 χ^2/NDF: 14171247.6/74

- sign 170.794+/-0.028 χ^2/NDF: 7721386.2/37



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.057 χ^2/NDF:20.0/20

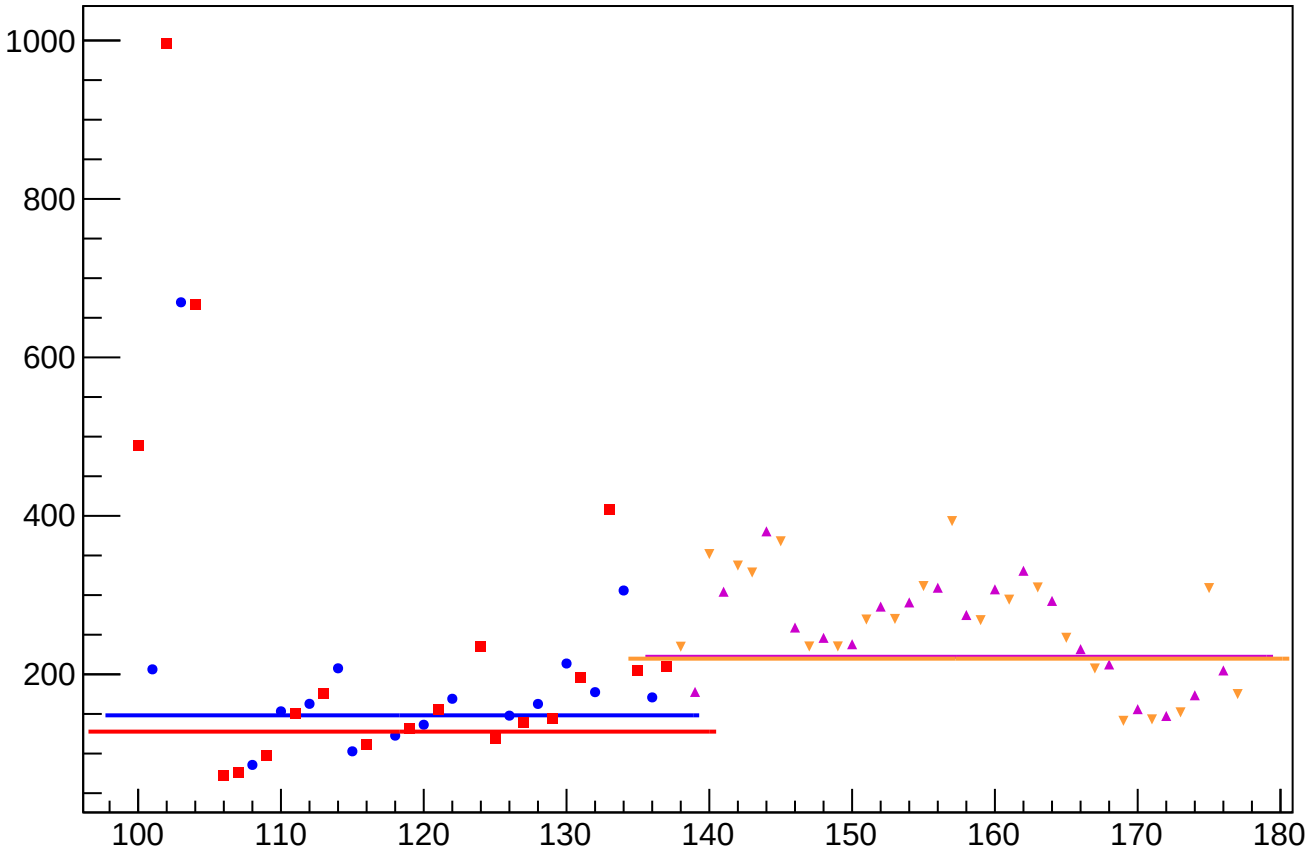
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.072+/-0.060 χ^2/NDF:26.7/18

+ sign 0.010+/-0.042 χ^2/NDF: 29.3/36

All: 0.006+/-0.029 χ^2/NDF: 81.1/74

- sign 0.002+/-0.040 χ^2/NDF: 51.8/37



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 219.767+/-0.041 χ^2/NDF:3127909.6/20

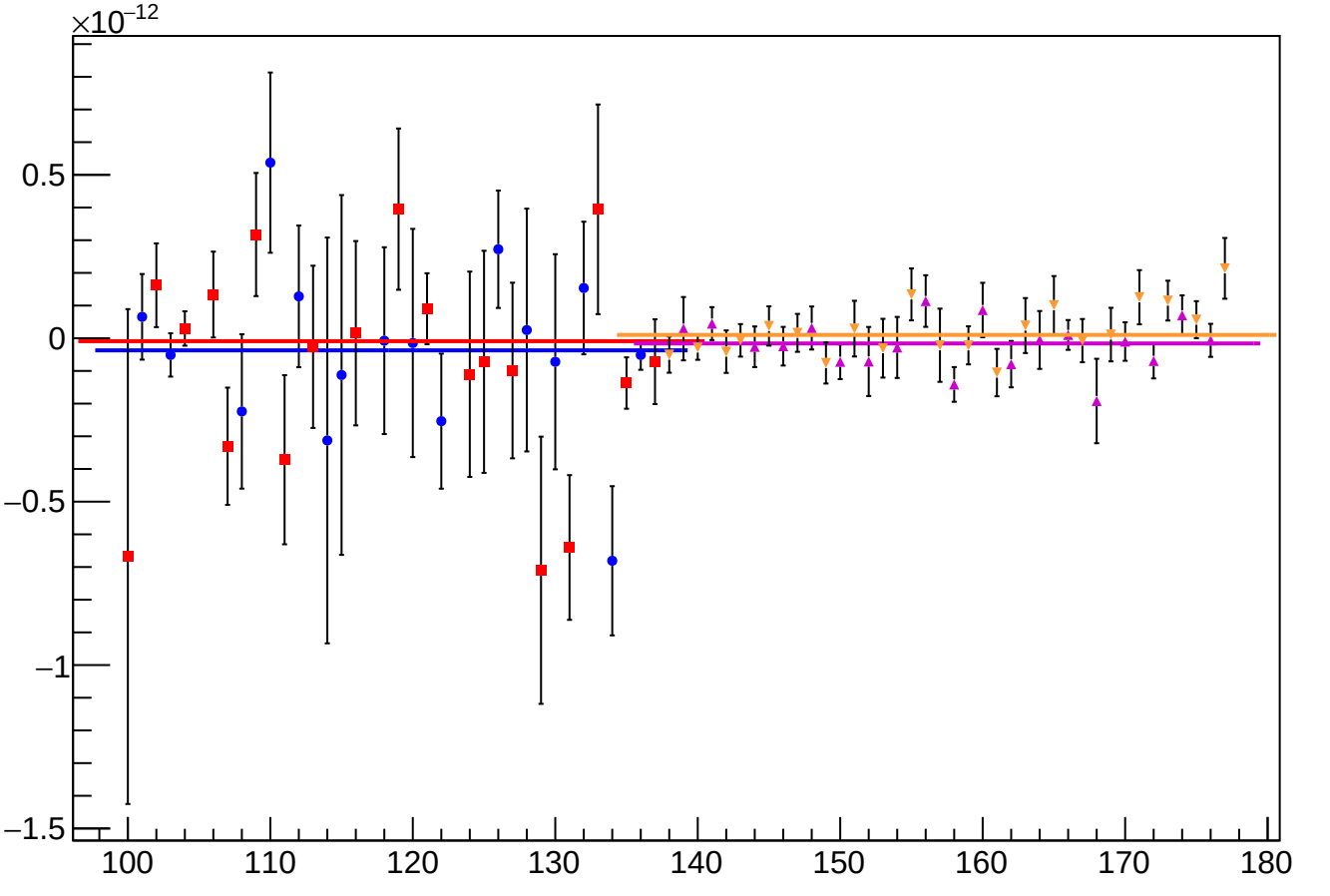
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.122+/-0.042 χ^2/NDF:2155095.8/18

+ sign 185.557+/-0.029 χ^2/NDF: 6319648.6/36

All: 177.957+/-0.020 χ^2/NDF: 14171247.6/74

- sign 170.794+/-0.028 χ^2/NDF: 7721386.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/20

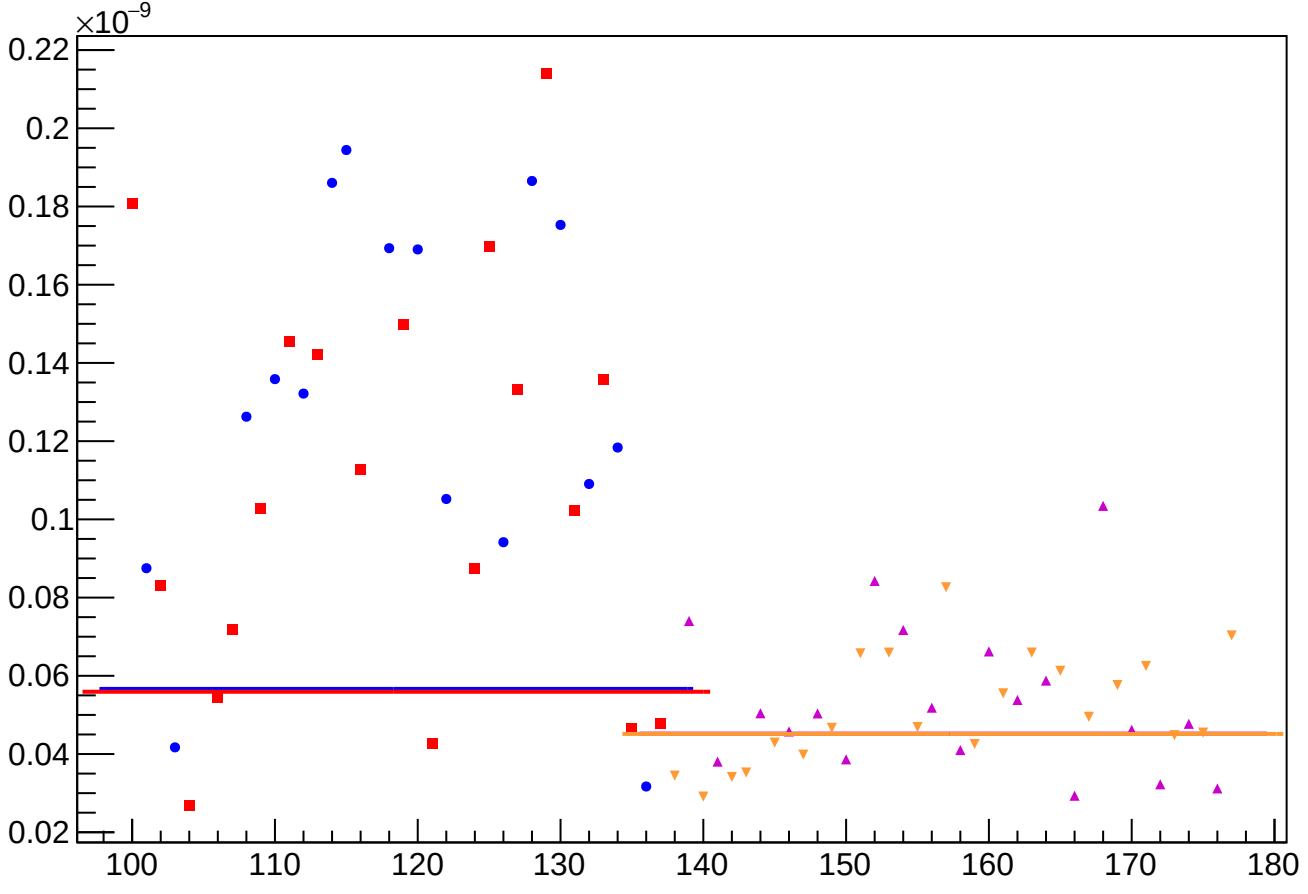
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/36

All: -0.000+/-0.000 χ^2/NDF: 95.7/74

- sign -0.000+/-0.000 χ^2/NDF: 51.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1564915.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

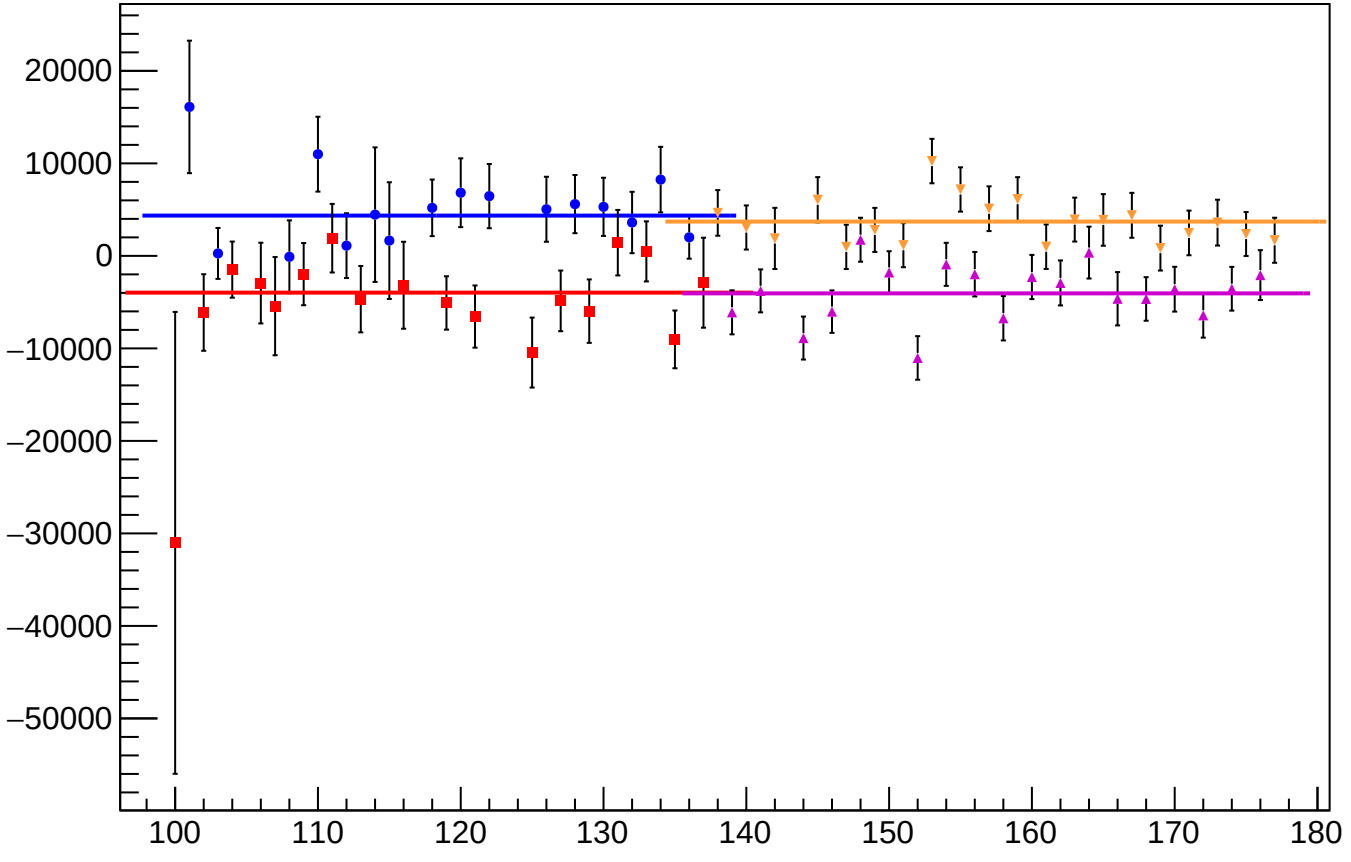
Left In: 0.000+/-0.000 χ^2/NDF:1862304.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 4892614.8/36

All: 0.000+/-0.000 χ^2/NDF: 9672905.0/74

- sign 0.000+/-0.000 χ^2/NDF: 4780271.5/37

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3709.311+/-548.839 χ^2/NDF:19.0/19

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

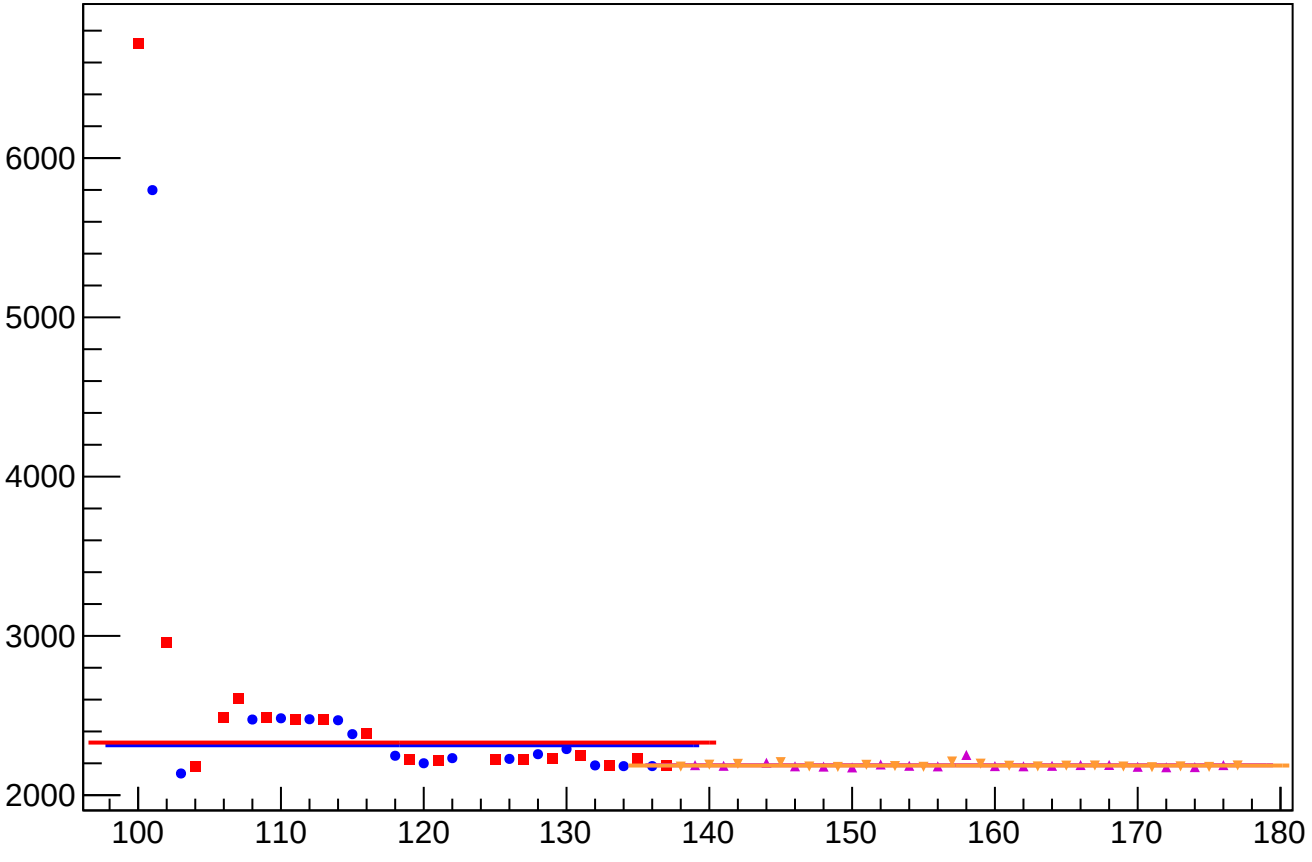
Left In: -4052.283+/-554.991 χ^2/NDF:30.3/18

+ sign 3891.391+/-464.968 χ^2/NDF: 32.7/35

All: -42.258+/-329.883 χ^2/NDF: 223.3/72

- sign -4029.019+/-468.097 χ^2/NDF: 46.4/36

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.100+/-0.388 χ^2/NDF:634.8/19

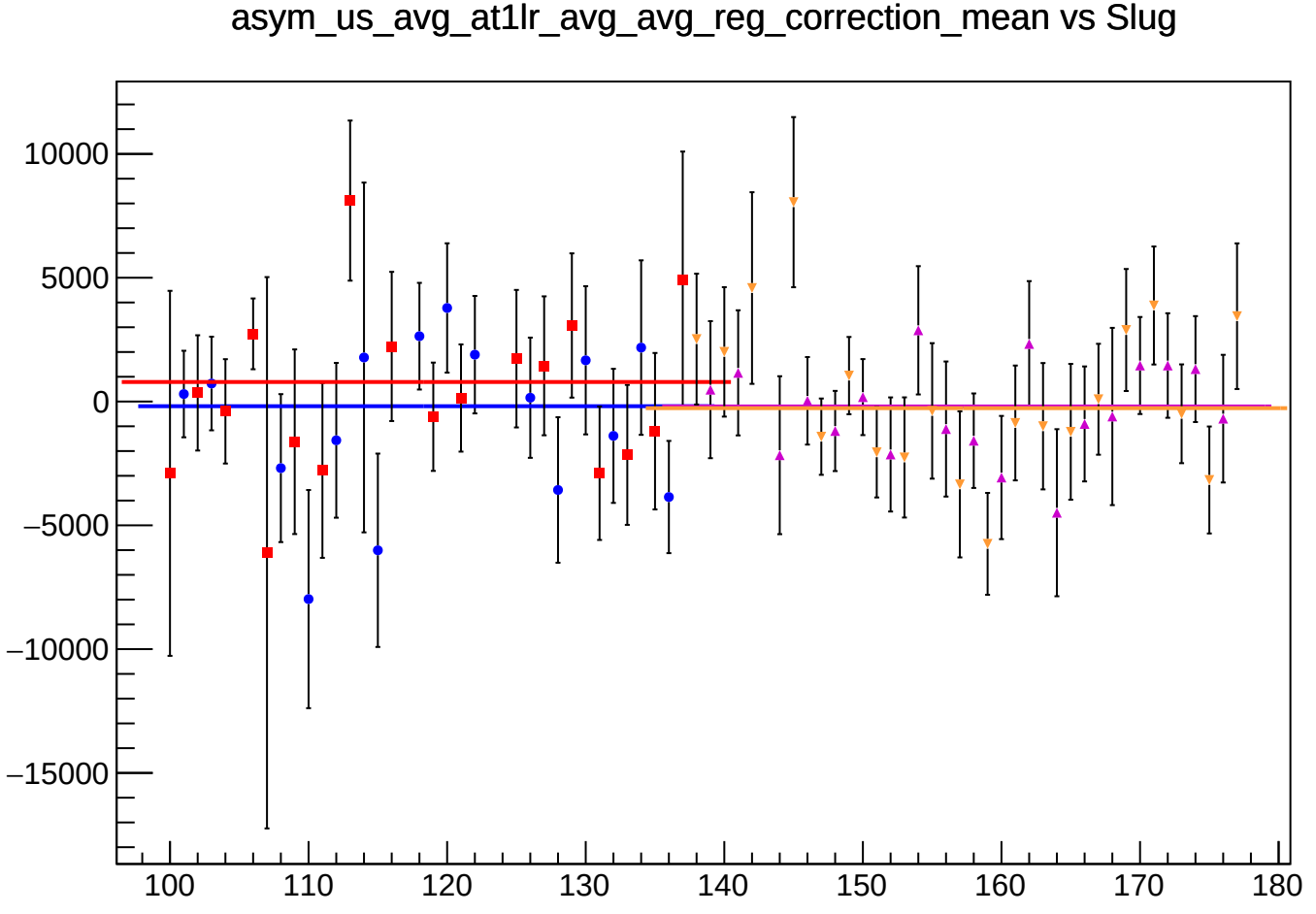
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

+ sign 2222.038+/-0.329 χ^2/NDF: 543384.8/35

All: 2225.475+/-0.233 χ^2/NDF: 734632.6/72

- sign 2228.959+/-0.331 χ^2/NDF: 191027.7/36



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -267.581+/-511.532 χ^2/NDF:28.8/19

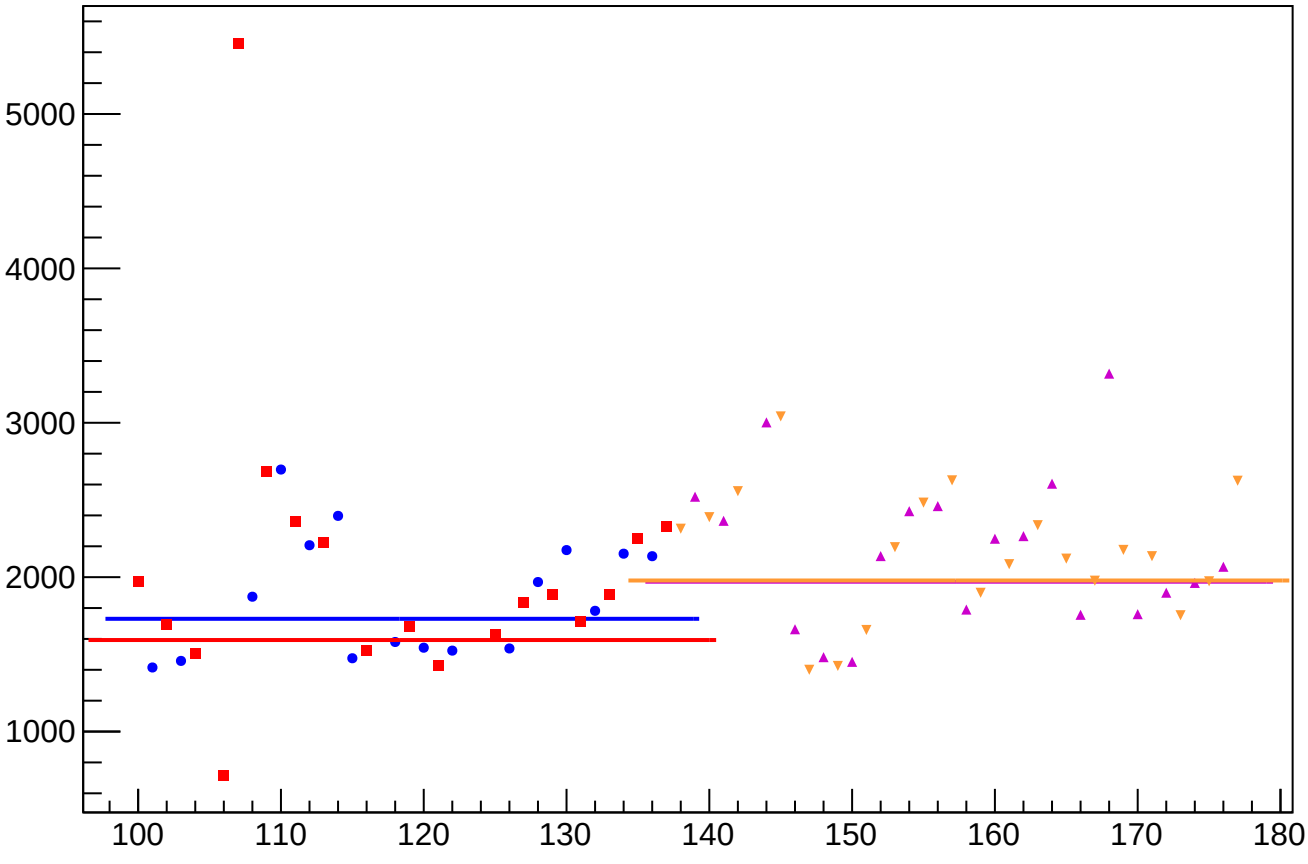
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -198.928+/-514.337 χ^2/NDF:9.8/18

+ sign -237.870+/-403.929 χ^2/NDF: 45.2/35

All: -20.319+/-284.097 χ^2/NDF: 72.0/72

- sign 192.649+/-399.652 χ^2/NDF: 26.2/36



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1978.431+/-0.362 χ^2/NDF:1288419.6/19

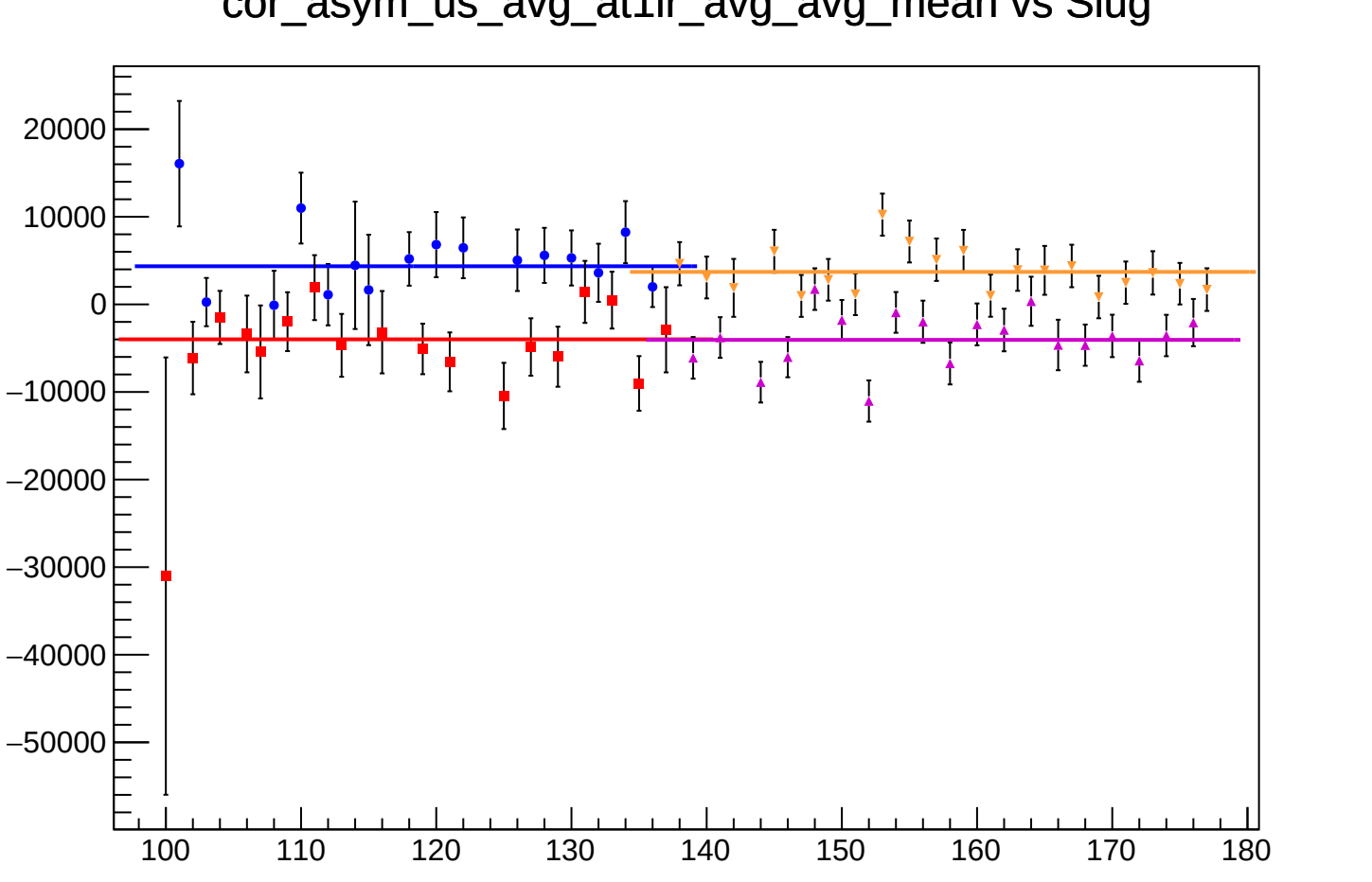
Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1970.593+/-0.364 χ^2/NDF:1415514.9/18

+ sign 1885.015+/-0.286 χ^2/NDF: 1944528.6/35

All: 1852.620+/-0.201 χ^2/NDF: 5369209.2/72

- sign 1820.908+/-0.283 χ^2/NDF: 3399224.0/36



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3709.256+/-548.839 χ^2/NDF:19.0/19

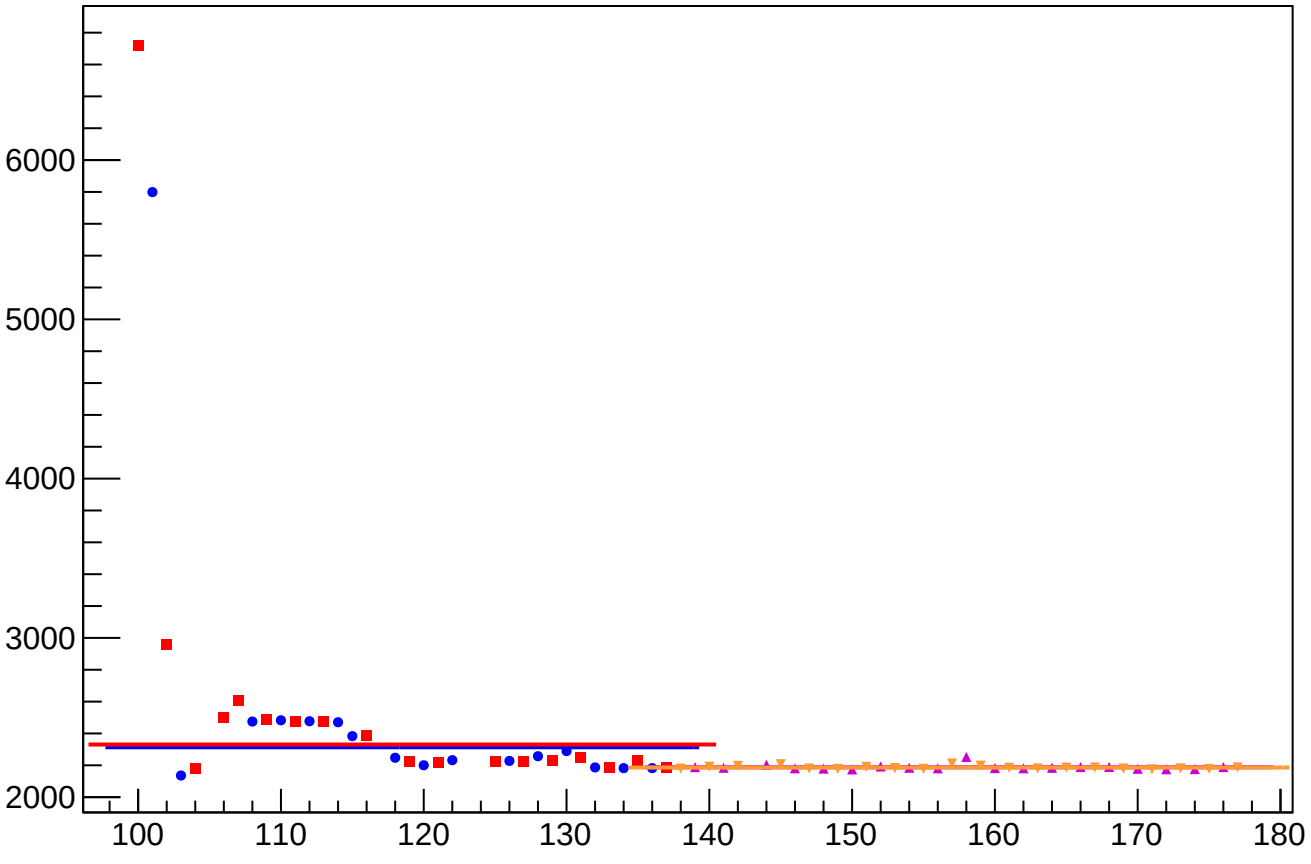
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4052.383+/-554.991 χ^2/NDF:30.3/18

+ sign 3891.160+/-464.968 χ^2/NDF: 32.7/35

All: -44.825+/-329.891 χ^2/NDF: 223.4/72

- sign -4034.349+/-468.120 χ^2/NDF: 46.4/36



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.100+/-0.388 χ^2/NDF:634.8/19

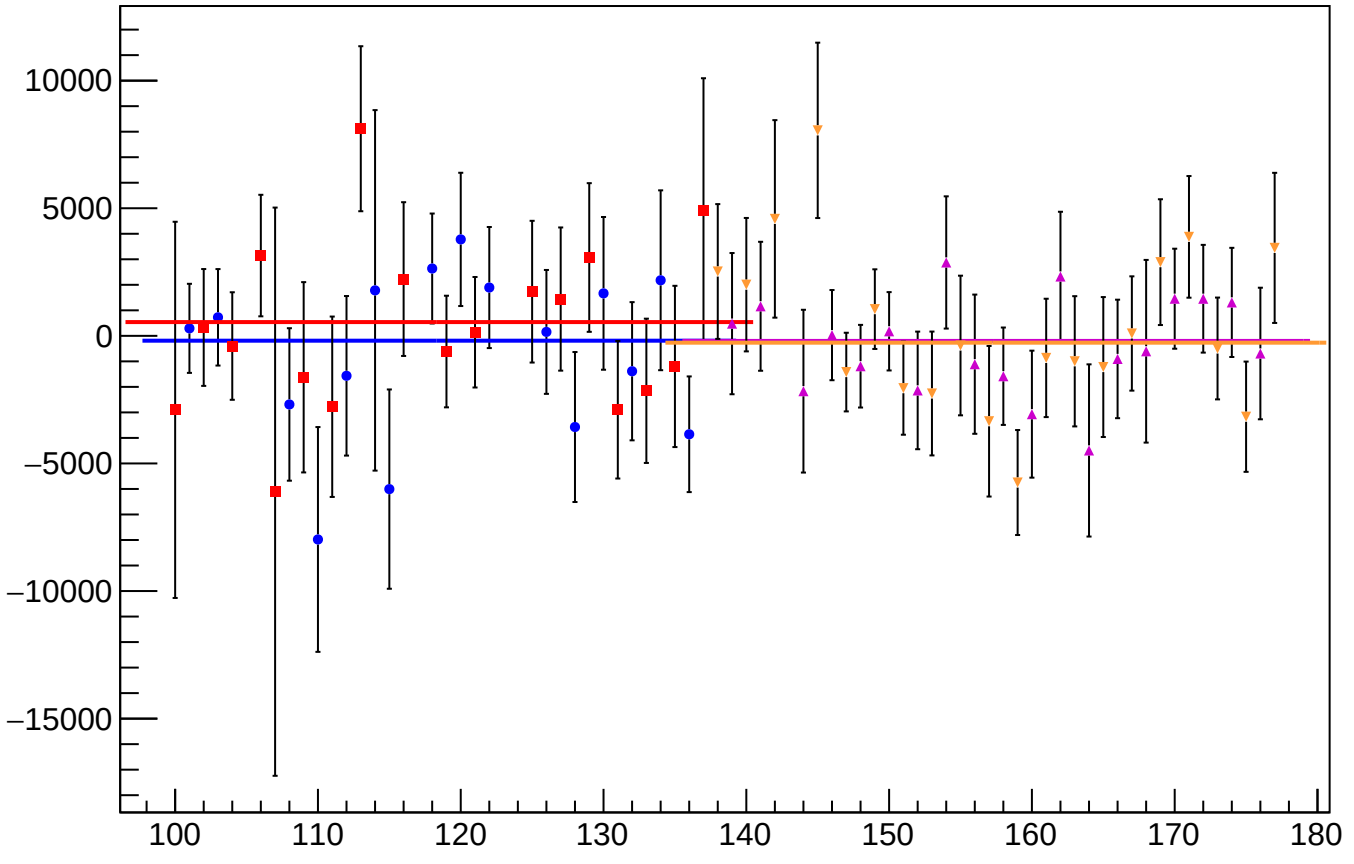
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

+ sign 2222.038+/-0.329 χ^2/NDF: 543385.2/35

All: 2225.523+/-0.233 χ^2/NDF: 735173.1/72

- sign 2229.056+/-0.331 χ^2/NDF: 191561.7/36



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -267.678+/-511.531 χ^2/NDF:28.8/19

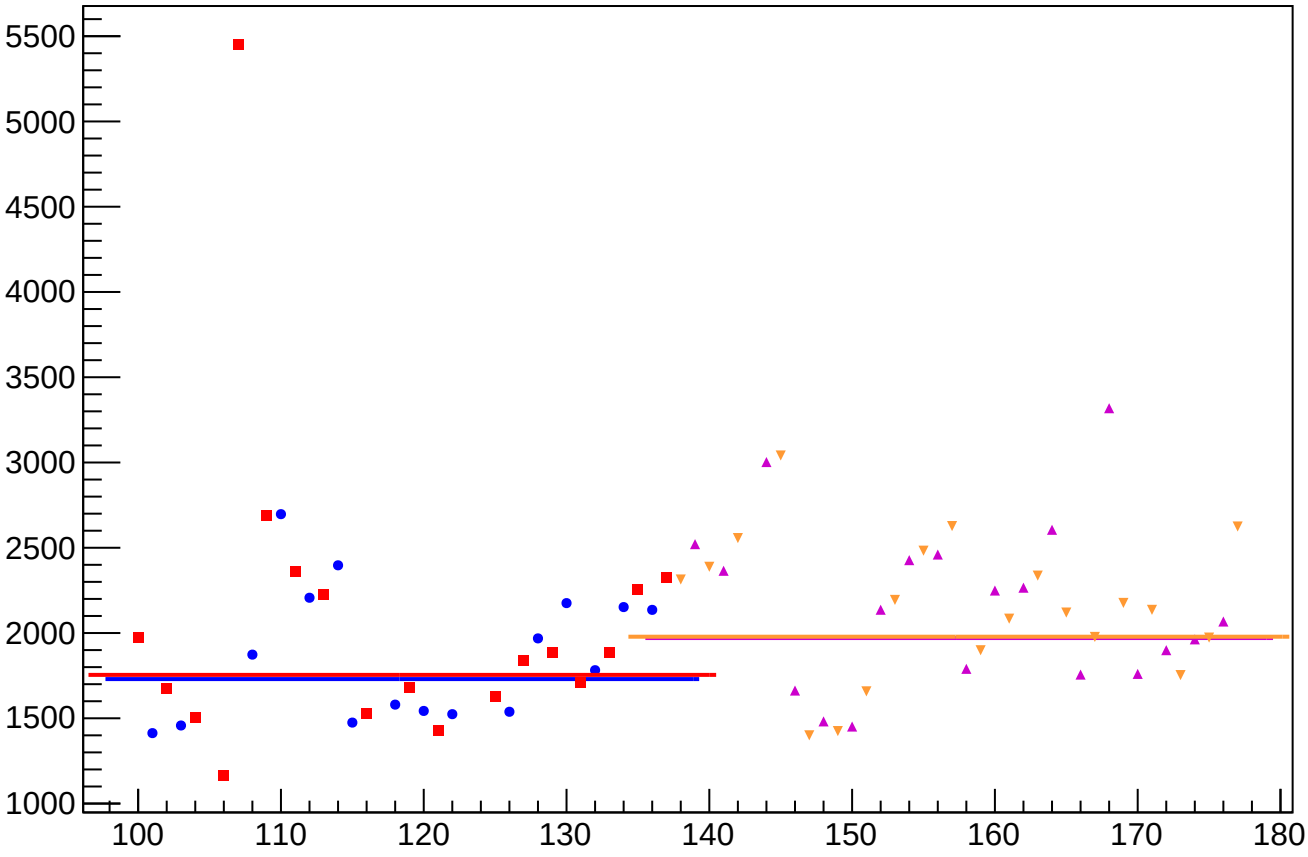
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -199.041+/-514.339 χ^2/NDF:9.8/18

+ sign -238.339+/-403.899 χ^2/NDF: 45.2/35

All: -86.102+/-287.670 χ^2/NDF: 70.0/72

- sign 70.629+/-409.818 χ^2/NDF: 24.5/36



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1978.426+/-0.362 χ^2/NDF:1288465.7/19

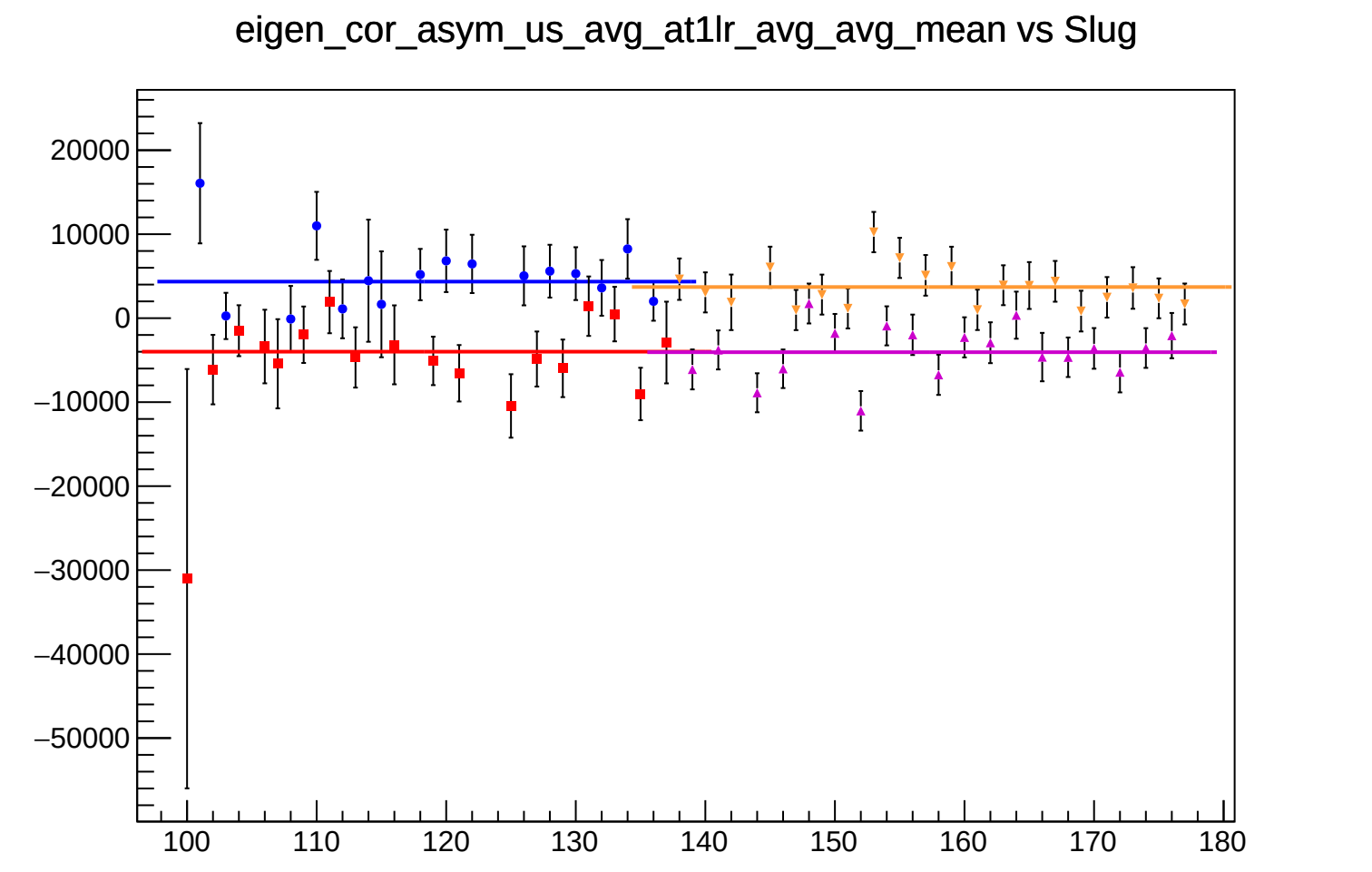
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1970.599+/-0.364 χ^2/NDF:1415536.9/18

+ sign 1884.843+/-0.286 χ^2/NDF: 1946134.4/35

All: 1888.224+/-0.203 χ^2/NDF: 4241844.2/72

- sign 1891.704+/-0.290 χ^2/NDF: 2295425.4/36



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3709.256+/-548.839 χ^2/NDF:19.0/19

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

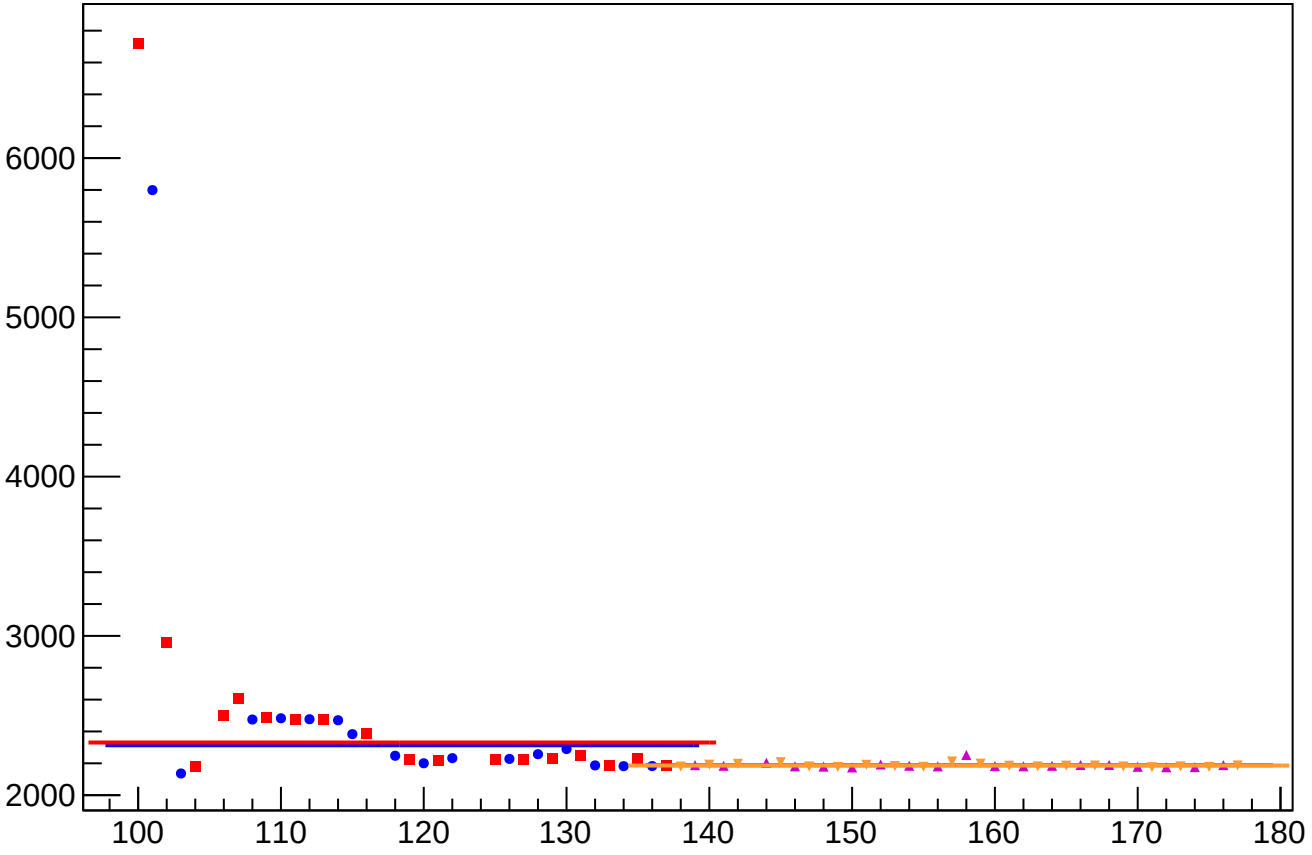
Left In: -4052.383+/-554.991 χ^2/NDF:30.3/18

+ sign 3891.160+/-464.968 χ^2/NDF: 32.7/35

All: -44.825+/-329.891 χ^2/NDF: 223.4/72

- sign -4034.349+/-468.120 χ^2/NDF: 46.4/36

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: 2186.100+/-0.388 χ^2/NDF:634.8/19

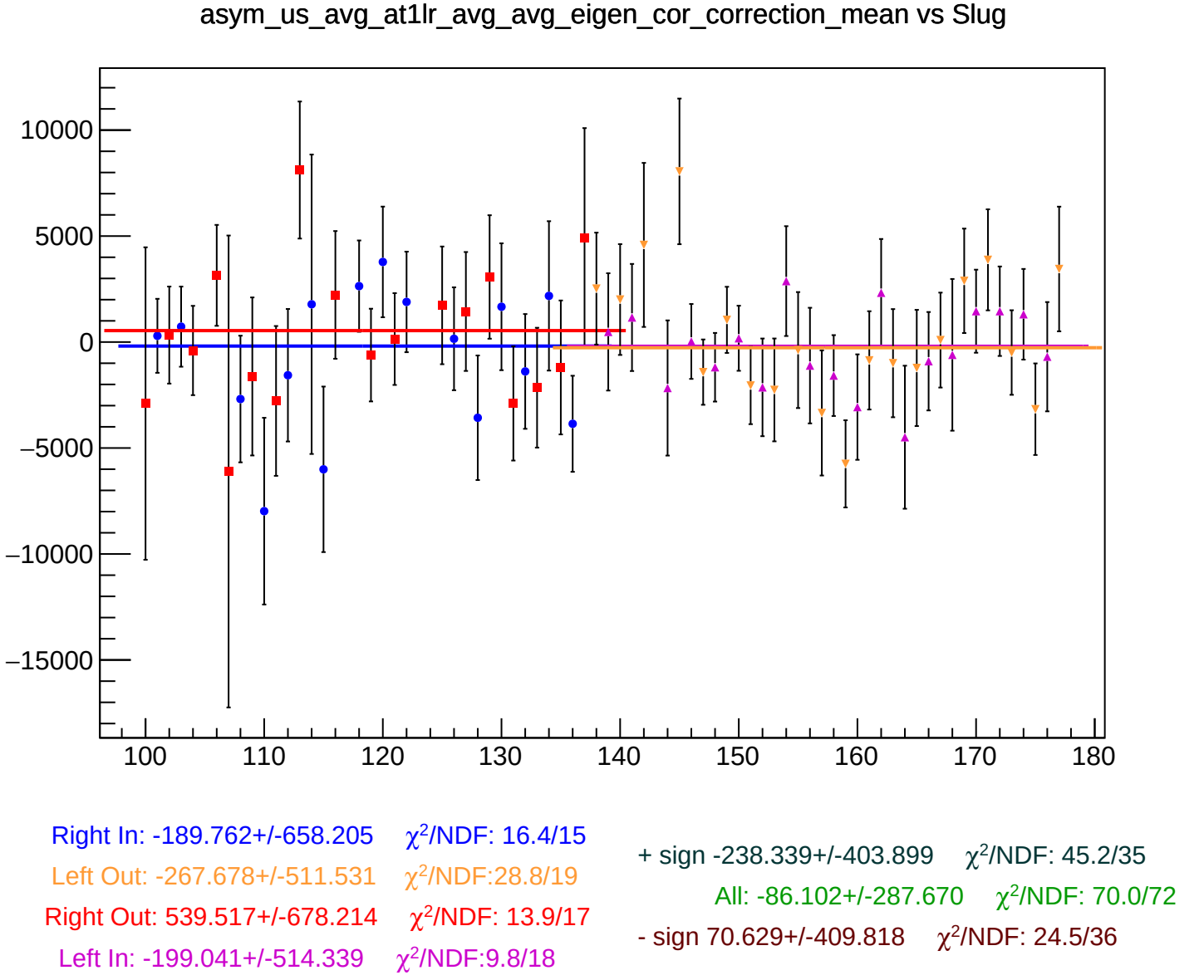
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

+ sign 2222.038+/-0.329 χ^2/NDF: 543385.2/35

All: 2225.523+/-0.233 χ^2/NDF: 735173.1/72

- sign 2229.056+/-0.331 χ^2/NDF: 191561.7/36


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
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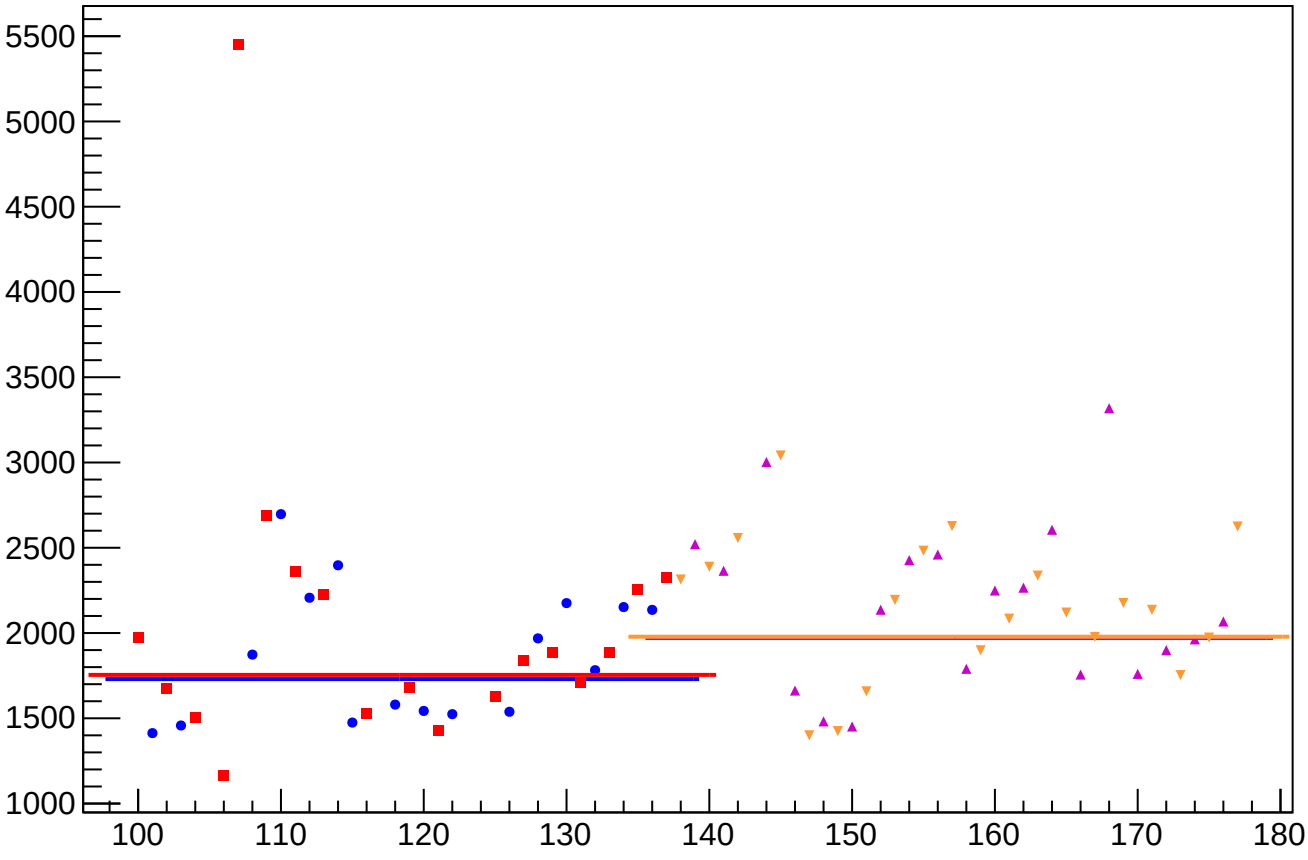
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -267.678+/-511.531 χ²/NDF:28.8/19
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -199.041+/-514.339 χ²/NDF:9.8/18
+ sign -238.339+/-403.899 χ²/NDF: 45.2/35
All: -86.102+/-287.670 χ²/NDF: 70.0/72
- sign 70.629+/-409.818 χ²/NDF: 24.5/36



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1978.426+/-0.362 χ^2/NDF:1288465.7/19

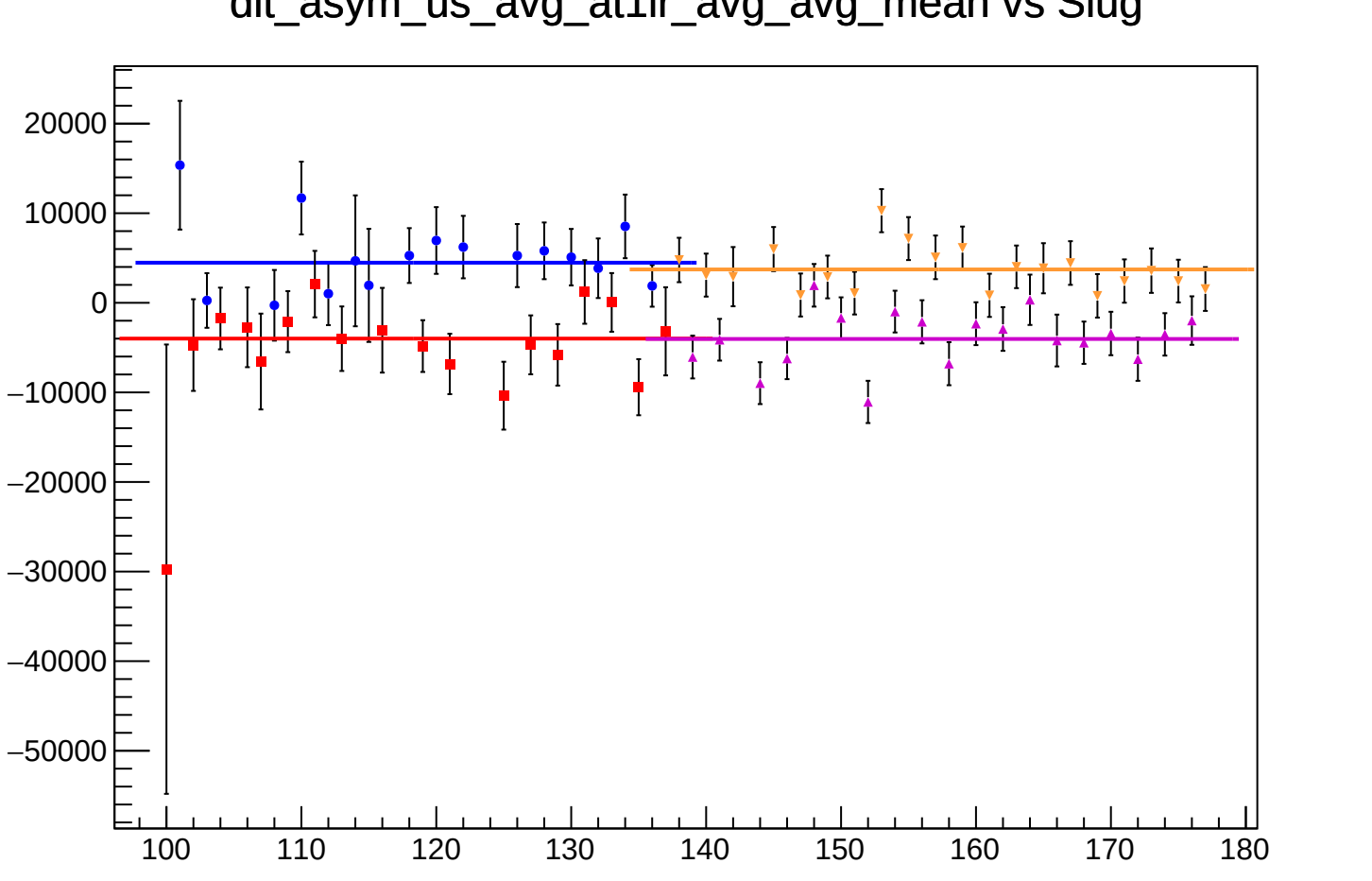
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1970.599+/-0.364 χ^2/NDF:1415536.9/18

+ sign 1884.843+/-0.286 χ^2/NDF: 1946134.4/35

All: 1888.224+/-0.203 χ^2/NDF: 4241844.2/72

- sign 1891.704+/-0.290 χ^2/NDF: 2295425.4/36



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3723.278+/-550.198 χ^2/NDF:19.2/19

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

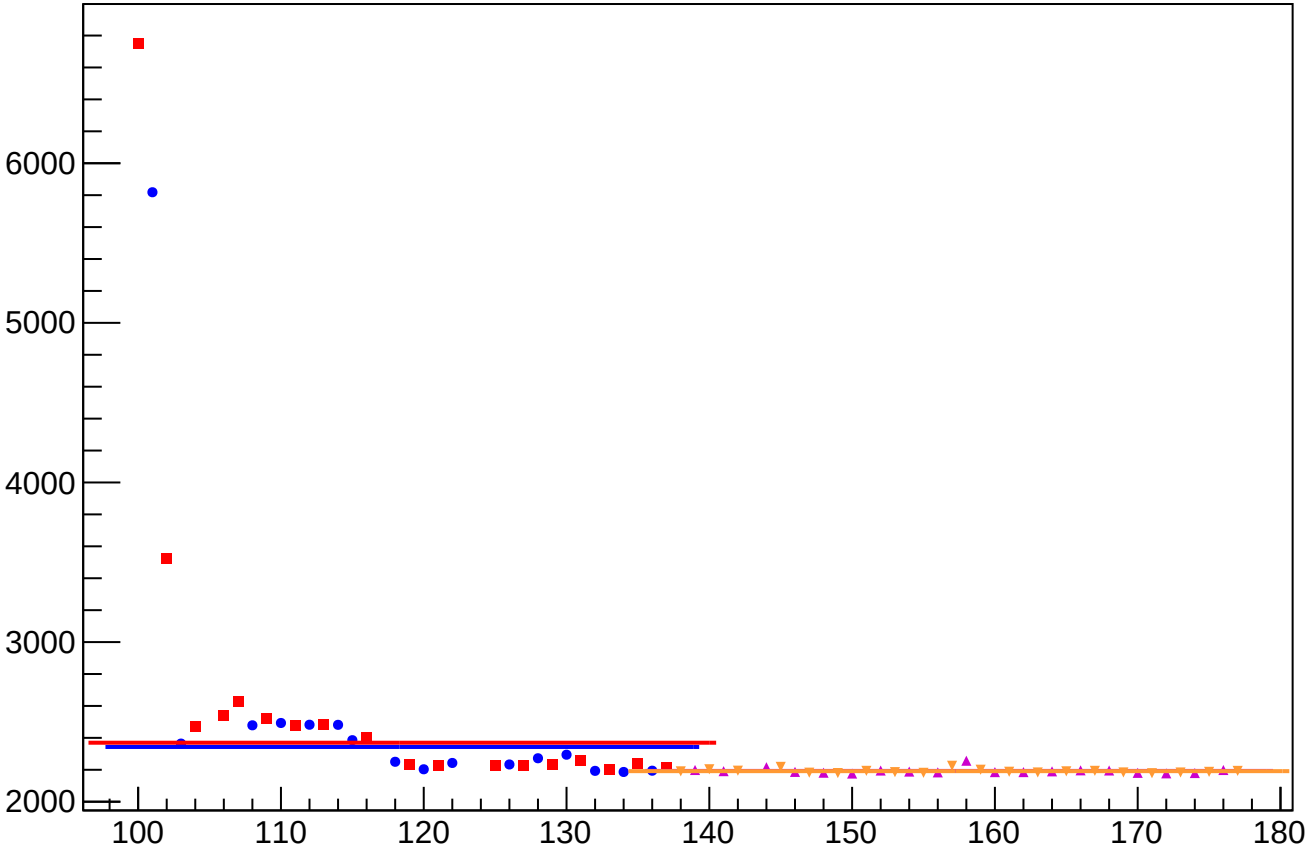
Left In: -4036.758+/-556.266 χ^2/NDF:30.7/18

\+ sign 3932.856+/-467.420 χ^2/NDF: 33.2/35

All: -9.310+/-332.045 χ^2/NDF: 223.1/72

\- sign -4025.262+/-471.774 χ^2/NDF: 46.2/36

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.430+/-0.389 χ^2/NDF:972.2/19

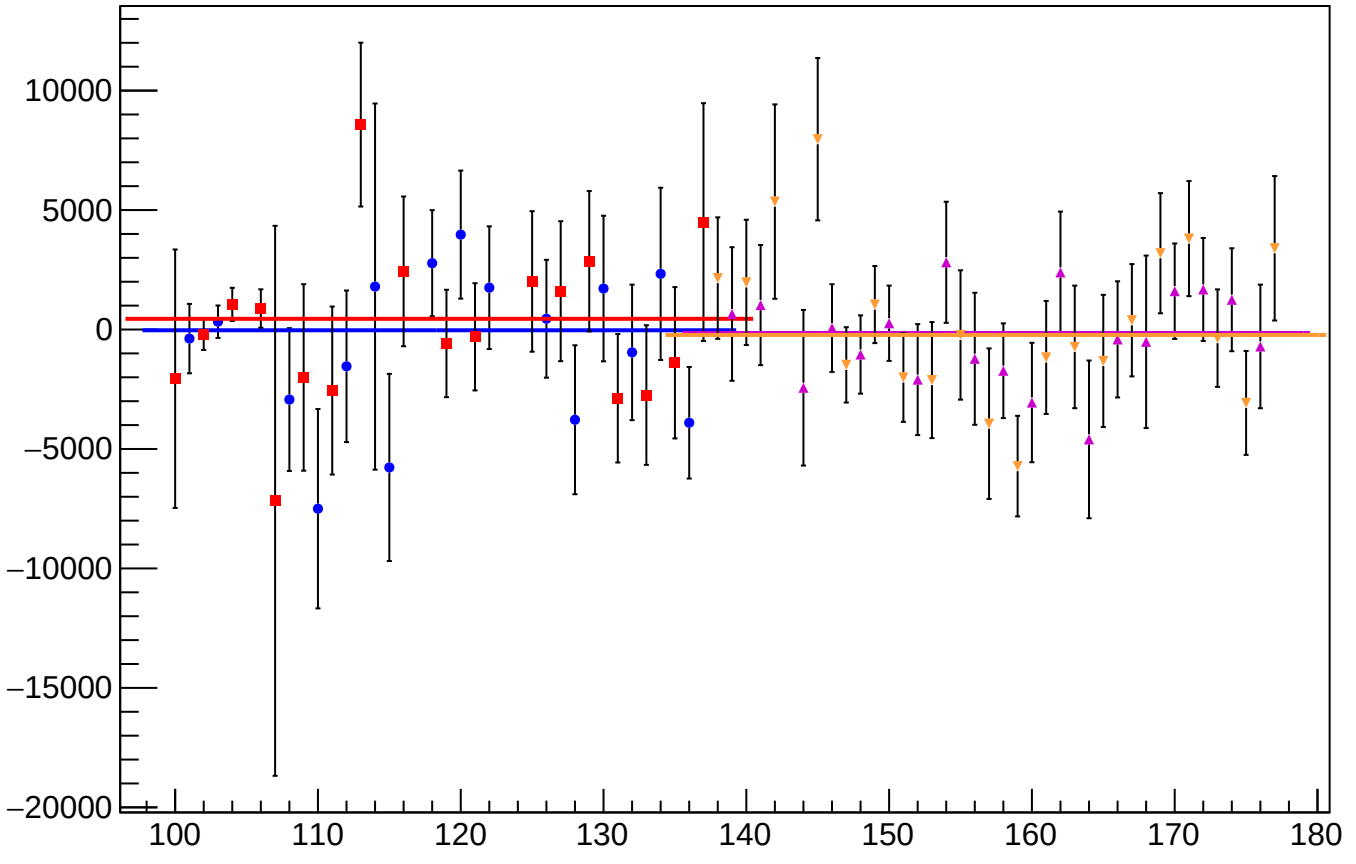
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.855+/-0.393 χ^2/NDF:2068.5/18

+ sign 2233.583+/-0.331 χ^2/NDF: 546026.2/35

All: 2237.981+/-0.235 χ^2/NDF: 815260.9/72

- sign 2242.461+/-0.334 χ^2/NDF: 268877.3/36



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -228.561+/-520.589 χ^2/NDF:28.5/19

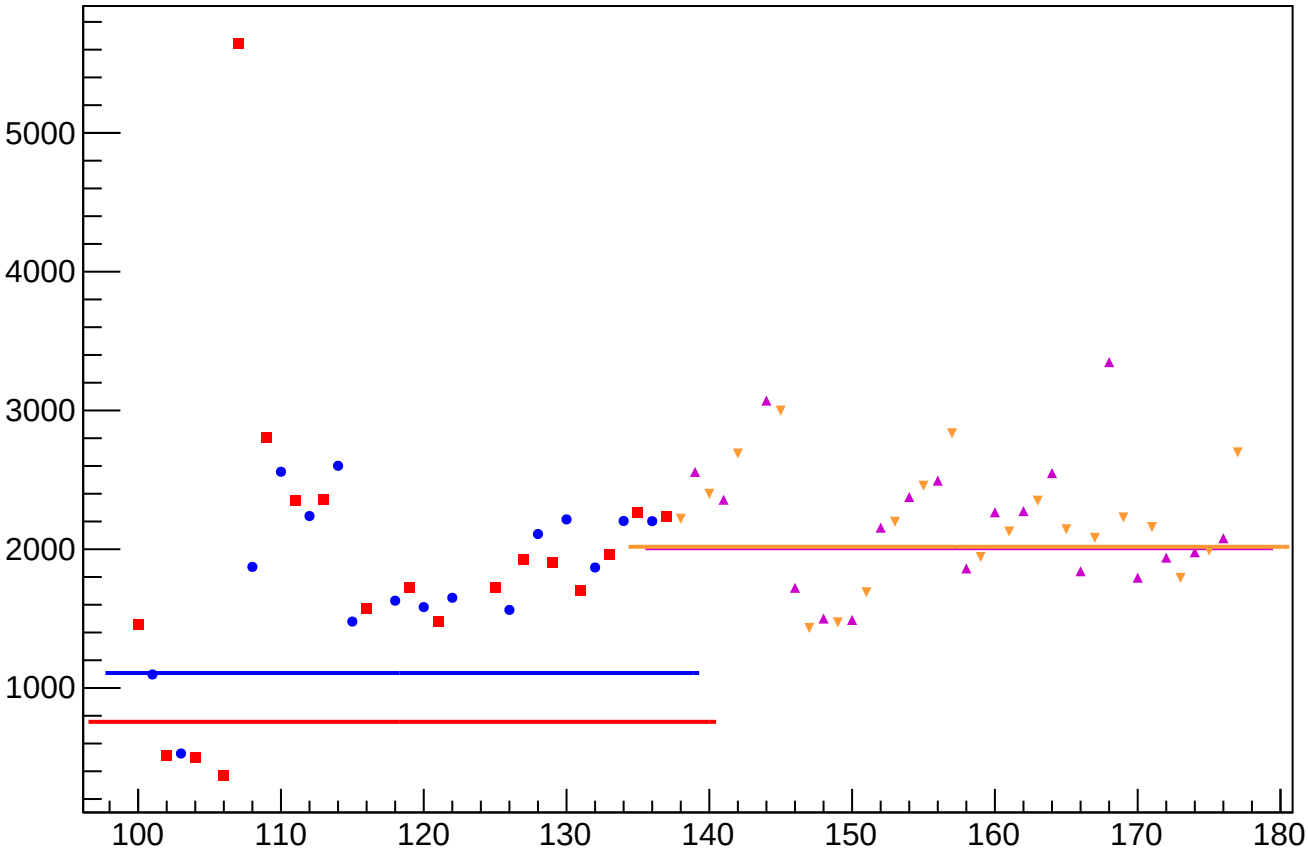
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -143.697+/-522.594 χ^2/NDF:10.2/18

+ sign -123.074+/-354.991 χ^2/NDF: 44.9/35

All: 99.310+/-228.194 χ^2/NDF: 71.7/72

- sign 255.912+/-297.896 χ^2/NDF: 26.1/36



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2017.675+/-0.368 χ^2/NDF:1233335.7/19

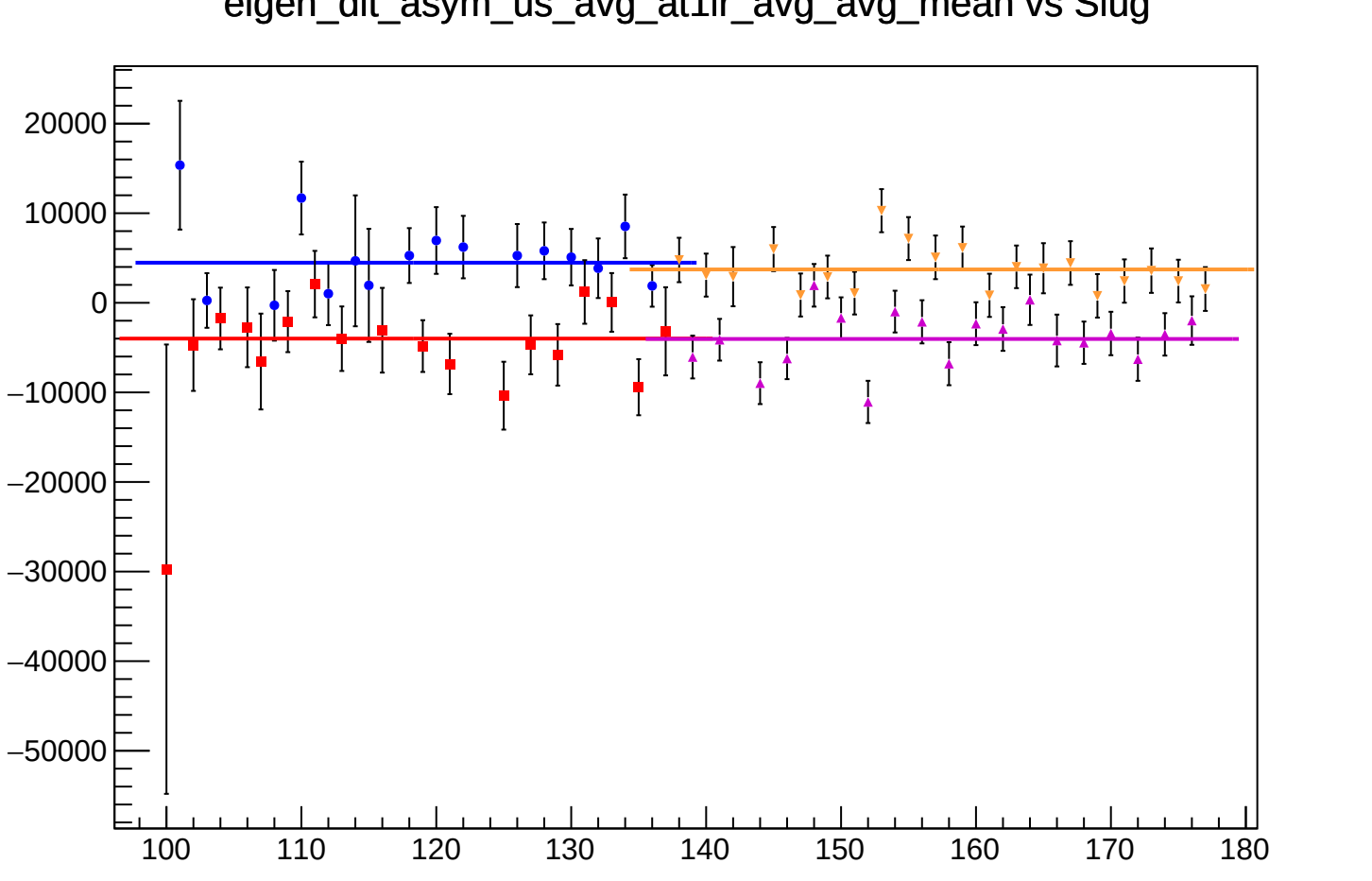
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2007.493+/-0.370 χ^2/NDF:1316648.6/18

+ sign 1531.065+/-0.251 χ^2/NDF: 8246005.2/35

All: 1315.054+/-0.161 χ^2/NDF: 24165579.0/7

- sign 1162.939+/-0.211 χ^2/NDF: 14657549.7/36



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3723.277+/-550.198 χ^2/NDF:19.2/19

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

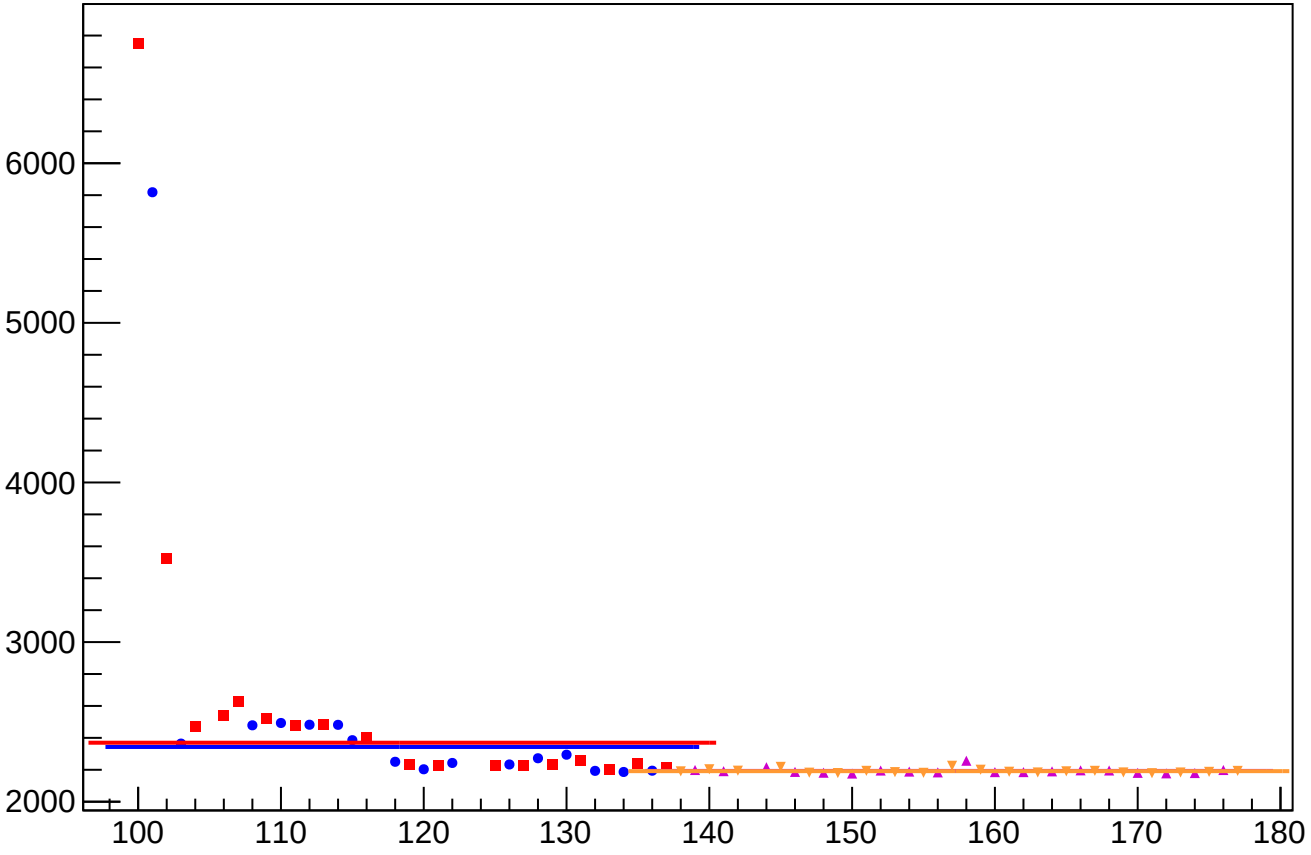
Left In: -4036.759+/-556.266 χ^2/NDF:30.7/18

+ sign 3932.854+/-467.420 χ^2/NDF: 33.2/35

All: -9.311+/-332.045 χ^2/NDF: 223.1/72

- sign -4025.262+/-471.774 χ^2/NDF: 46.2/36

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.430+/-0.389 χ^2/NDF:972.2/19

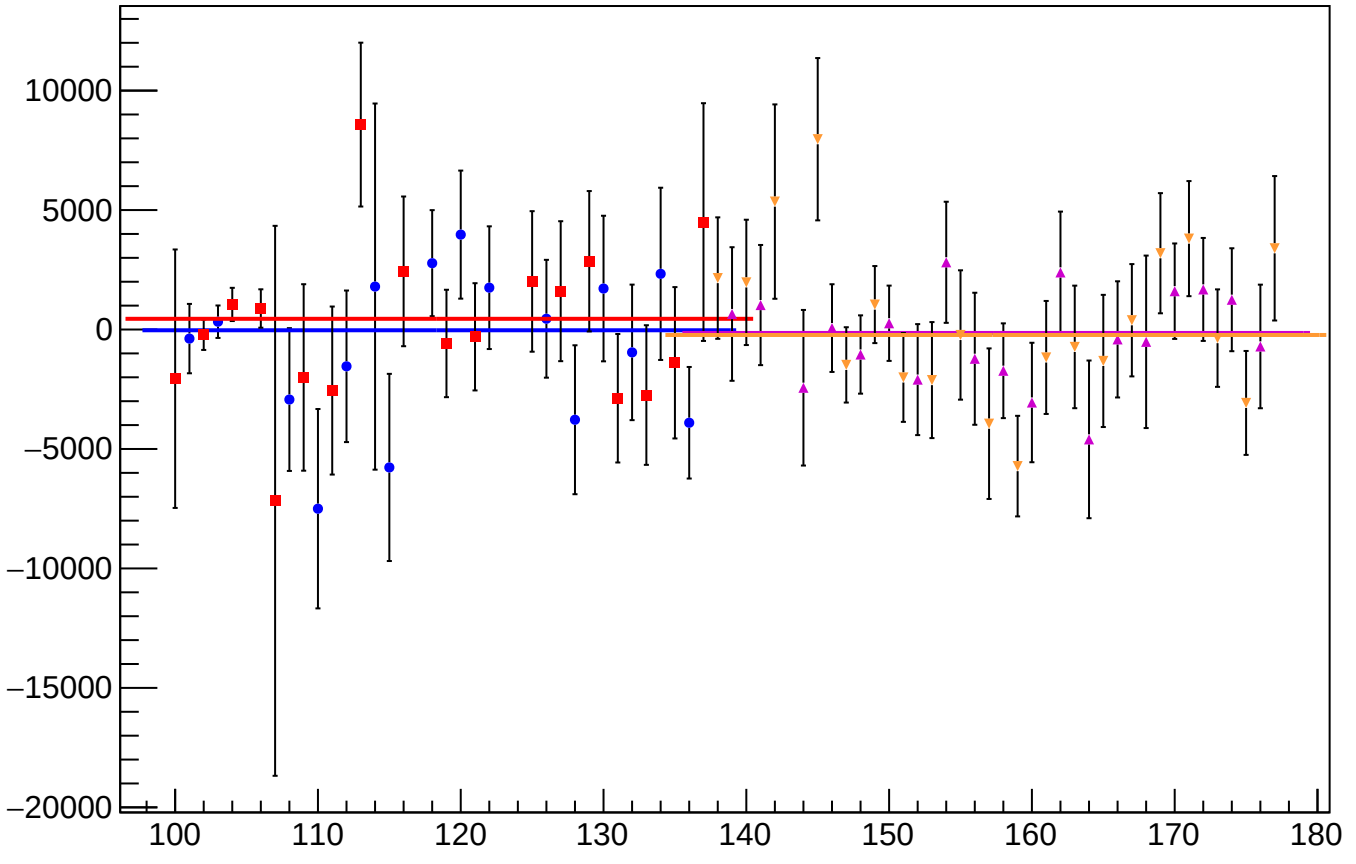
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.855+/-0.393 χ^2/NDF:2068.5/18

+ sign 2233.583+/-0.331 χ^2/NDF: 546025.9/35

All: 2237.981+/-0.235 χ^2/NDF: 815259.2/72

- sign 2242.461+/-0.334 χ^2/NDF: 268875.9/36



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -228.565+/-520.590 χ^2/NDF:28.5/19

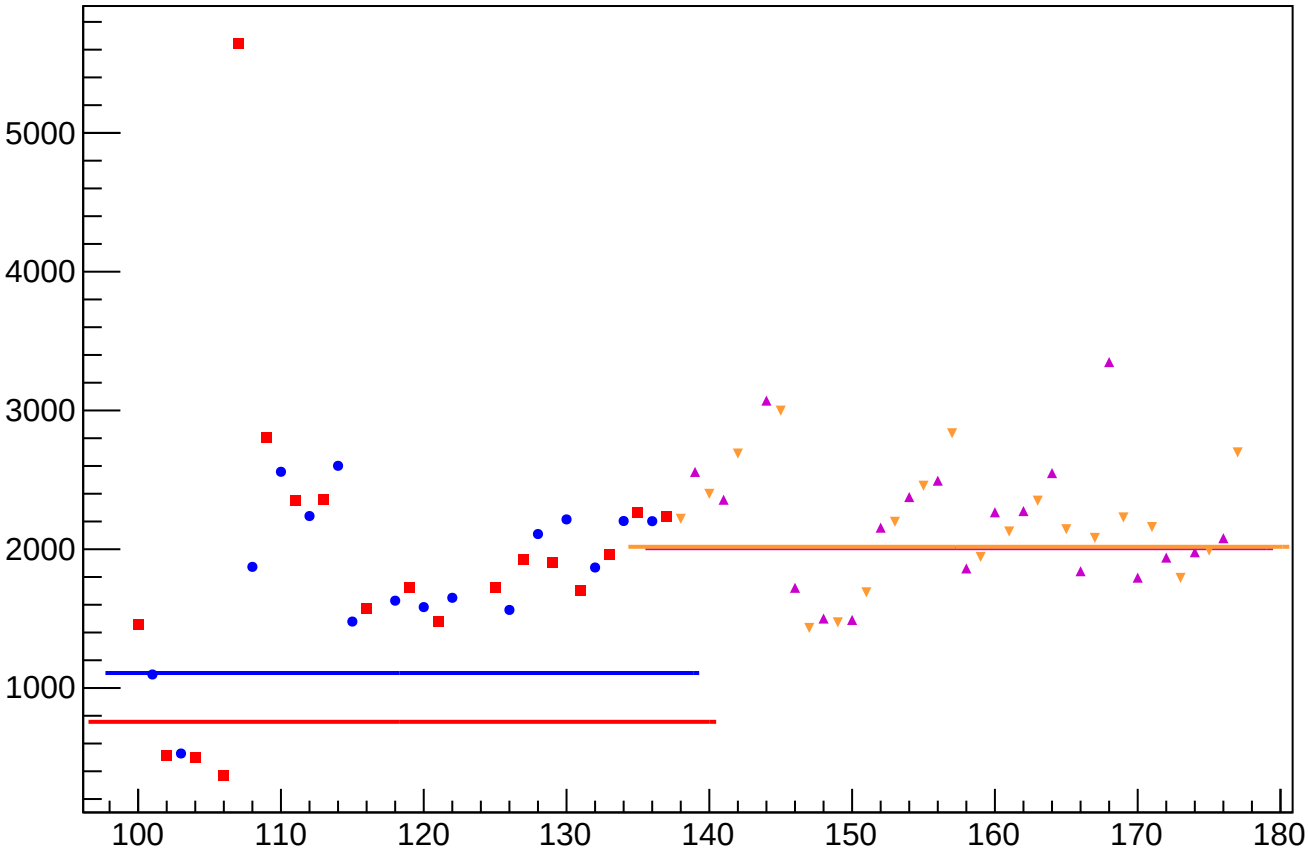
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -143.699+/-522.595 χ^2/NDF:10.2/18

+ sign -123.080+/-354.992 χ^2/NDF: 44.9/35

All: 99.306+/-228.196 χ^2/NDF: 71.7/72

- sign 255.911+/-297.899 χ^2/NDF: 26.1/36



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2017.679+/-0.368 χ^2/NDF:1233335.6/19

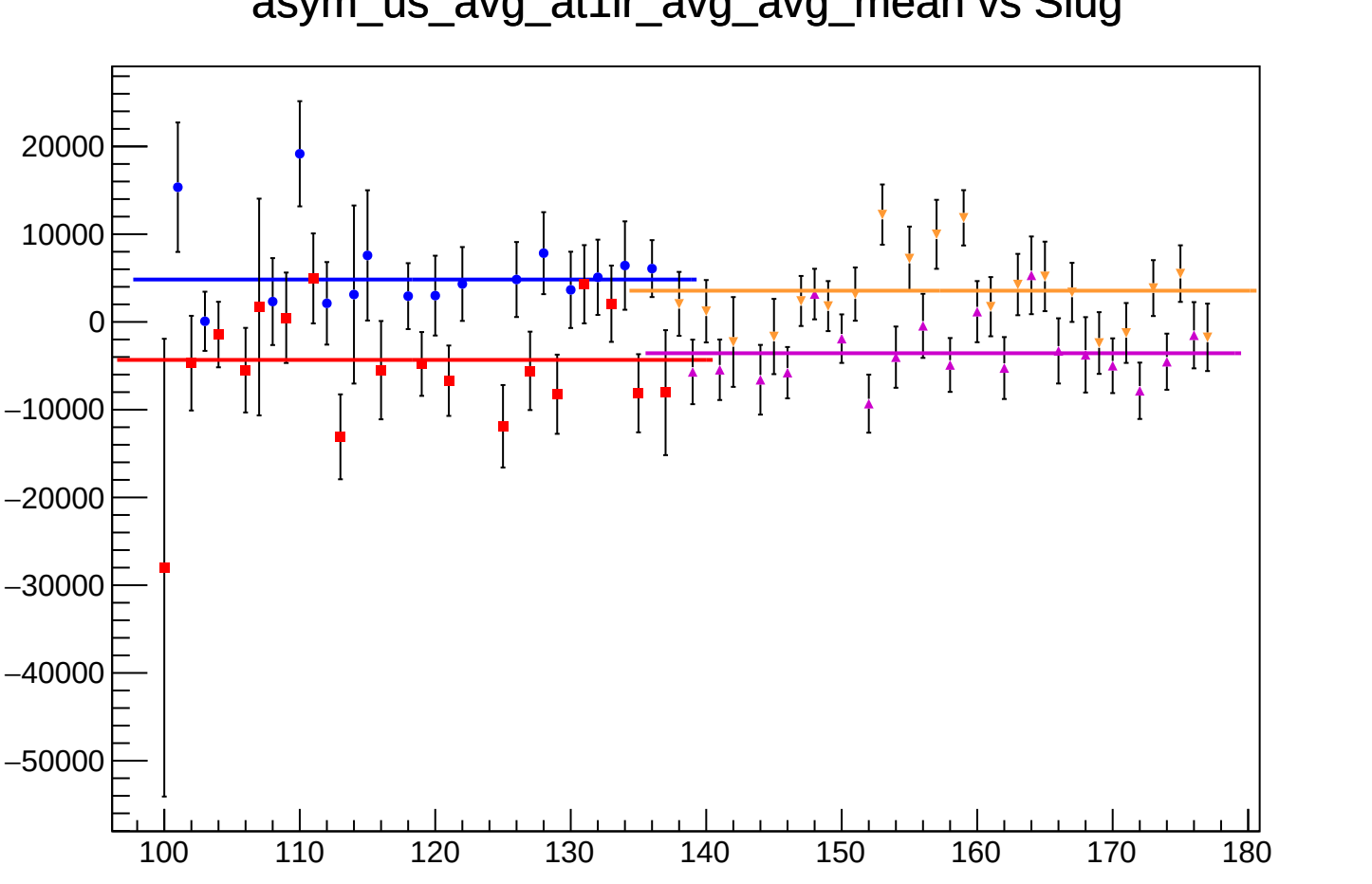
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2007.497+/-0.370 χ^2/NDF:1316647.6/18

+ sign 1531.073+/-0.251 χ^2/NDF: 8245863.4/35

All: 1315.069+/-0.161 χ^2/NDF: 24165015.1/7

- sign 1162.957+/-0.211 χ^2/NDF: 14657204.8/36



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3560.247+/-771.866 χ^2/NDF:28.6/19

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

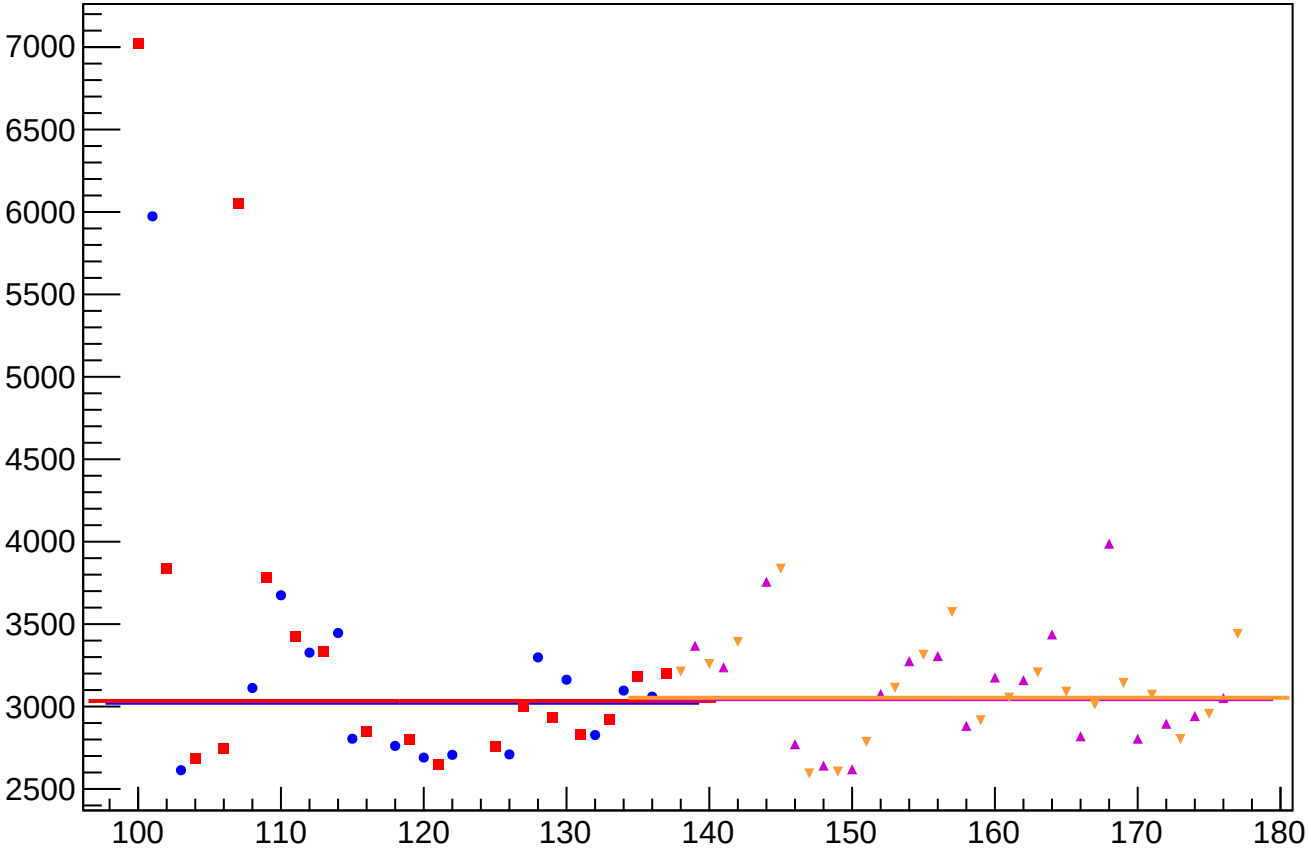
Left In: -3567.746+/-777.976 χ^2/NDF:20.1/18

+ sign 3959.349+/-639.590 χ^2/NDF: 41.2/35

All: 98.709+/-453.603 χ^2/NDF: 154.7/72

- sign -3808.191+/-643.410 χ^2/NDF: 40.3/36

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3053.121+/-0.546 χ^2/NDF:292404.1/19

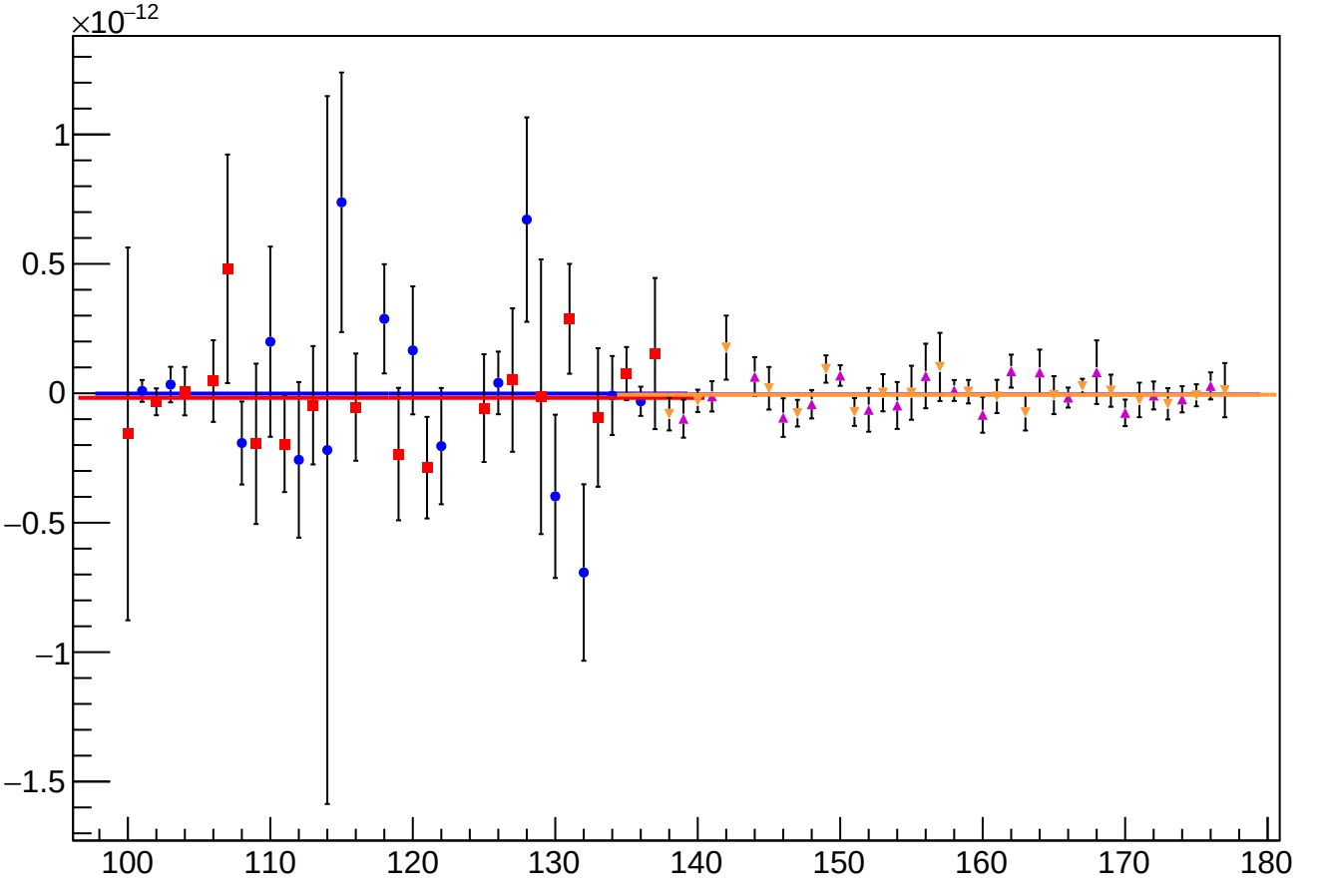
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3044.764+/-0.550 χ^2/NDF:357418.1/18

+ sign 3043.703+/-0.452 χ^2/NDF: 737060.0/35

All: 3042.519+/-0.321 χ^2/NDF: 1437290.6/72

- sign 3041.321+/-0.455 χ^2/NDF: 700216.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/19

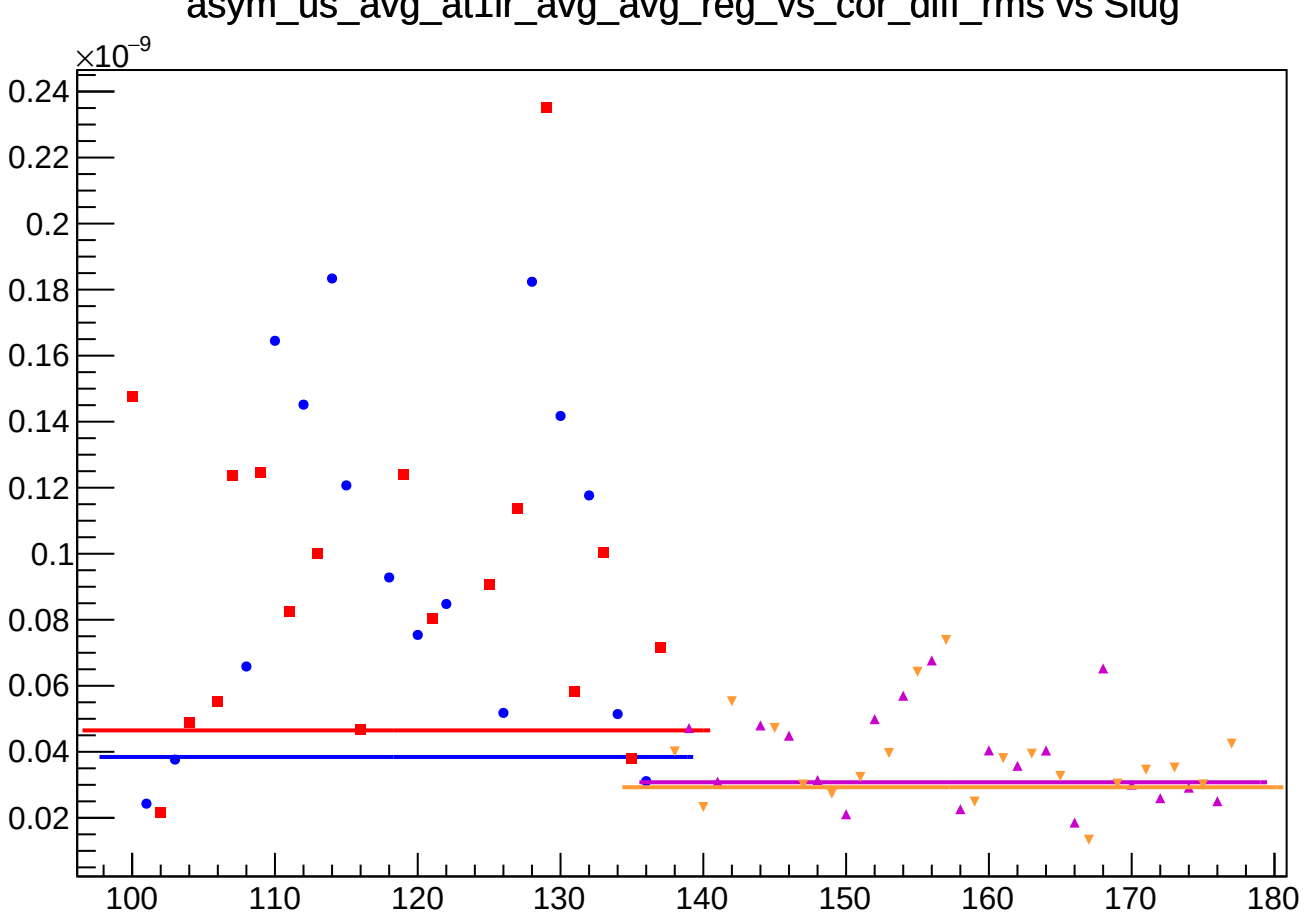
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:16.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/35

All: -0.000+/-0.000 χ^2/NDF: 57.0/72

- sign -0.000+/-0.000 χ^2/NDF: 25.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582963.7/19

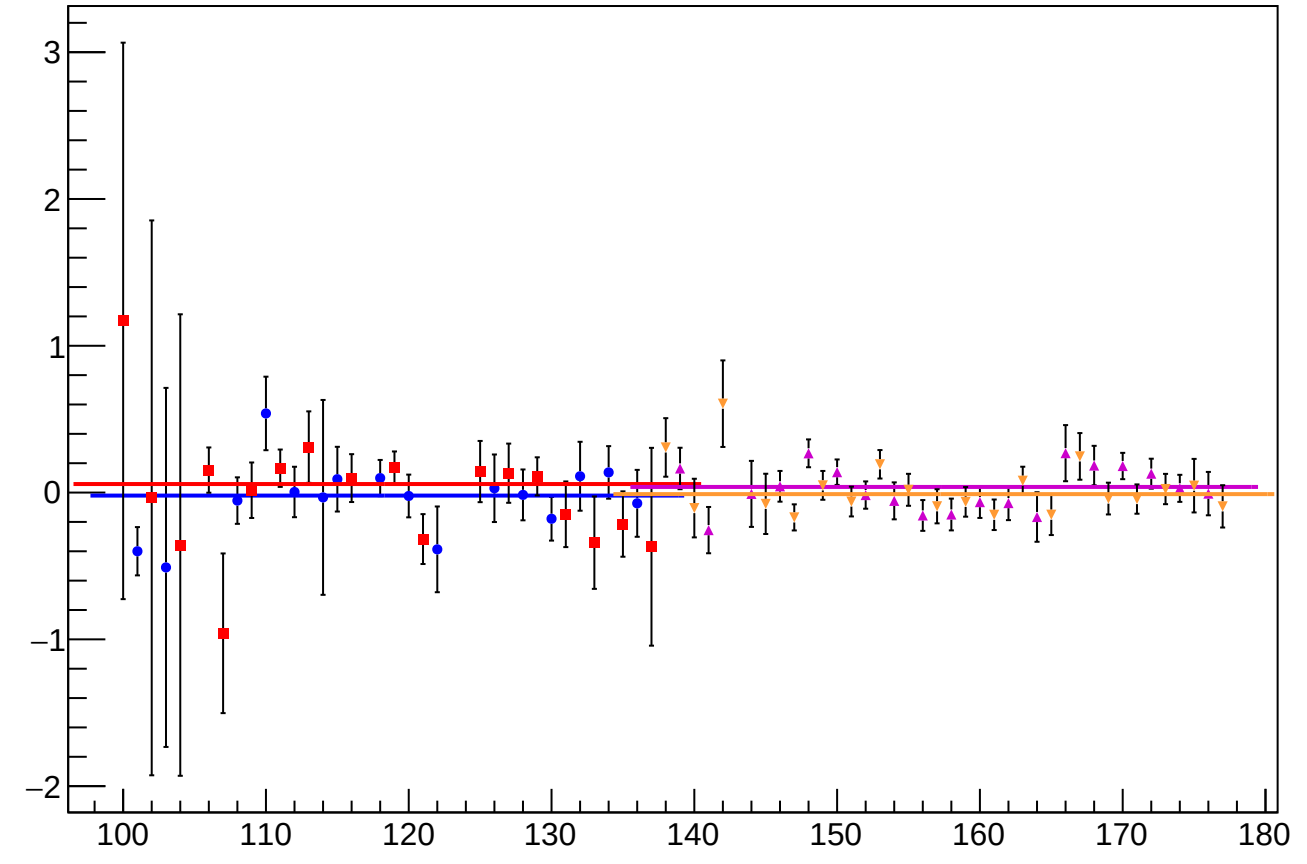
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1395516.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 3540392.8/35

All: 0.000+/-0.000 χ^2/NDF: 7018867.4/72

- sign 0.000+/-0.000 χ^2/NDF: 3452671.6/36



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.026 χ^2/NDF:23.4/19

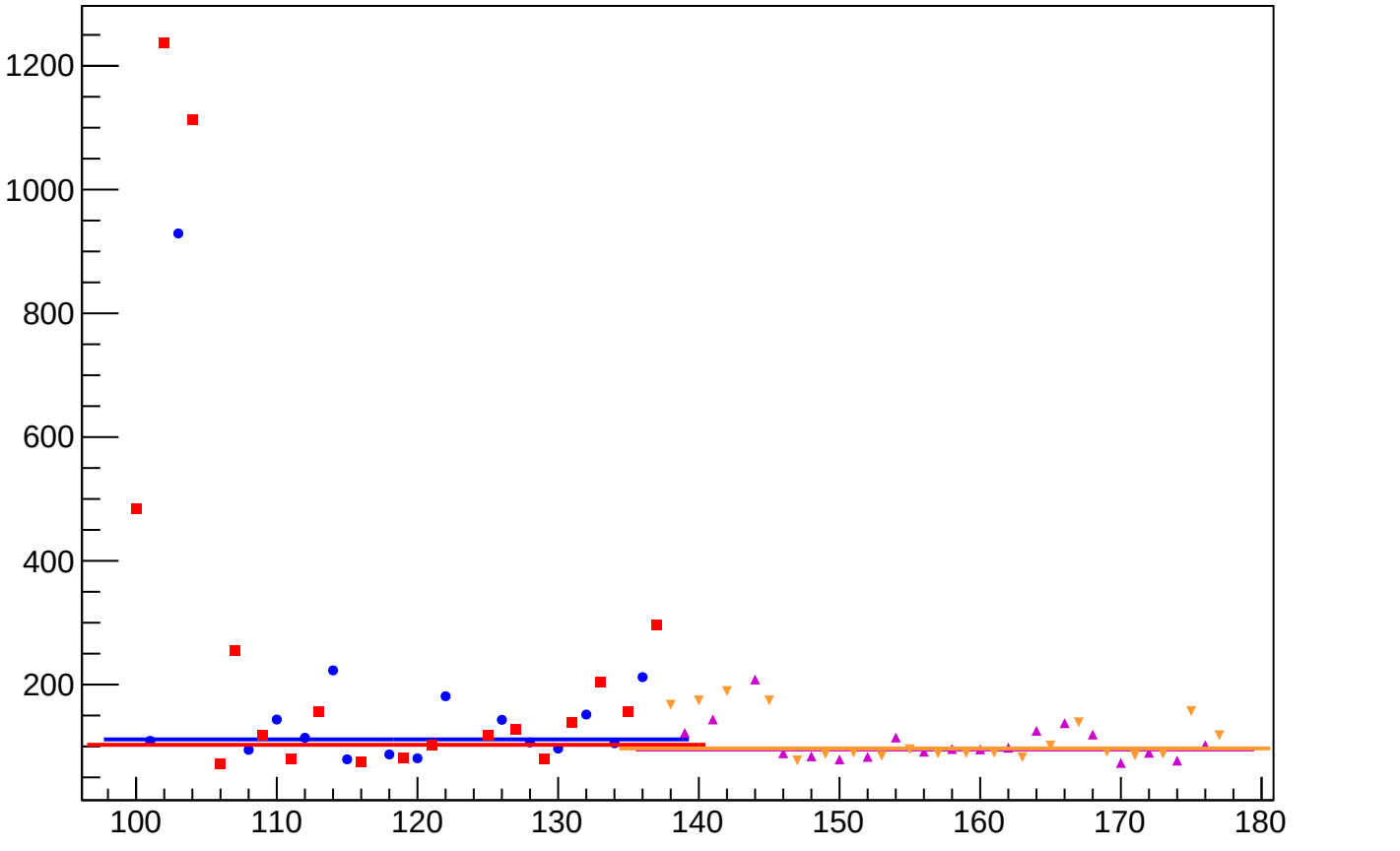
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.038+/-0.026 χ^2/NDF:28.2/18

+ sign -0.013+/-0.023 χ^2/NDF: 39.1/35

All: 0.015+/-0.016 χ^2/NDF: 87.2/72

- sign 0.043+/-0.023 χ^2/NDF: 45.2/36



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.796+/-0.019 χ^2/NDF:1712004.7/19

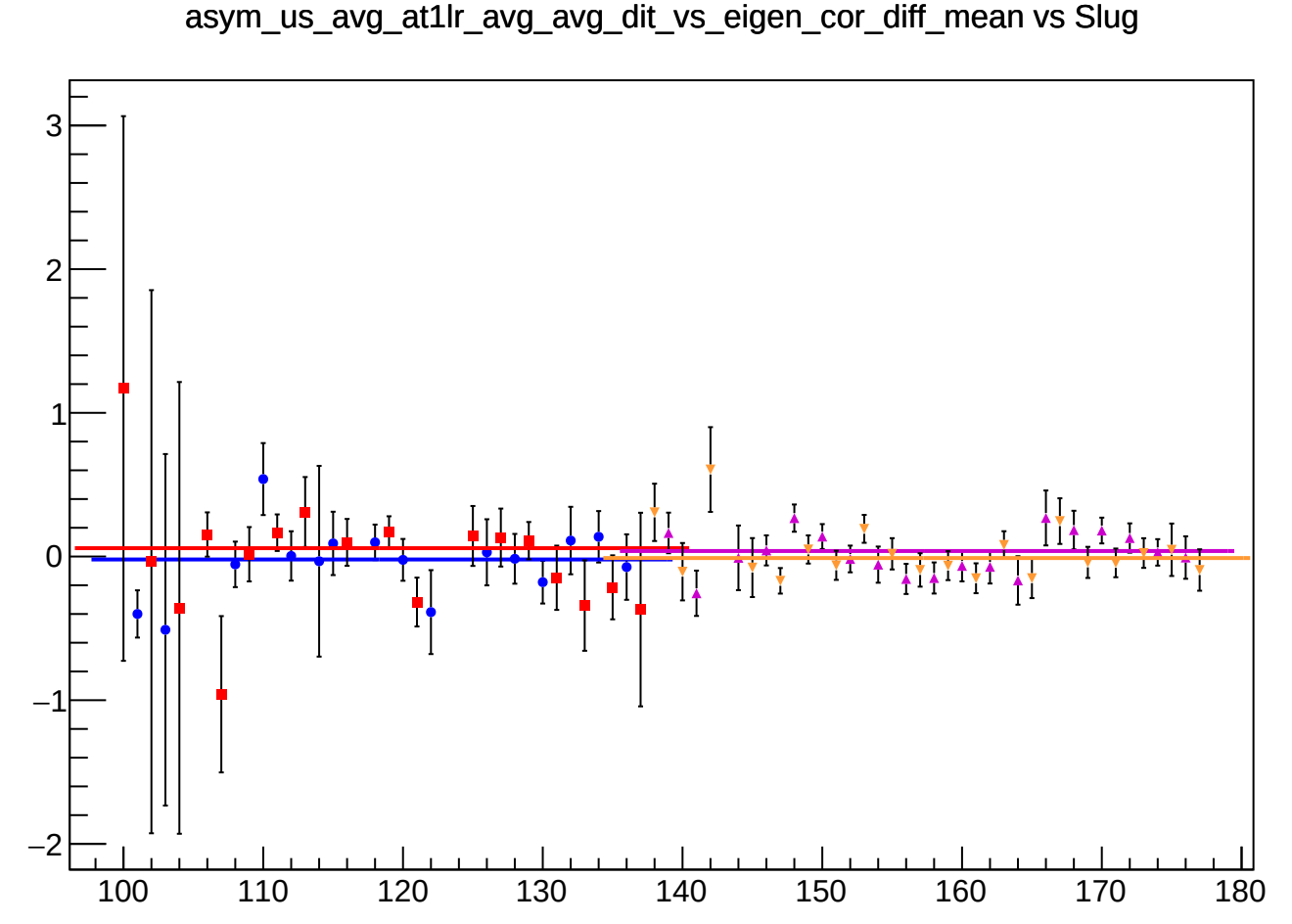
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 95.142+/-0.018 χ^2/NDF:1386700.9/18

+ sign 100.244+/-0.016 χ^2/NDF: 3695155.8/35

All: 98.575+/-0.011 χ^2/NDF: 7969198.3/72

- sign 96.957+/-0.016 χ^2/NDF: 4253539.5/36



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.026 χ^2/NDF:23.4/19

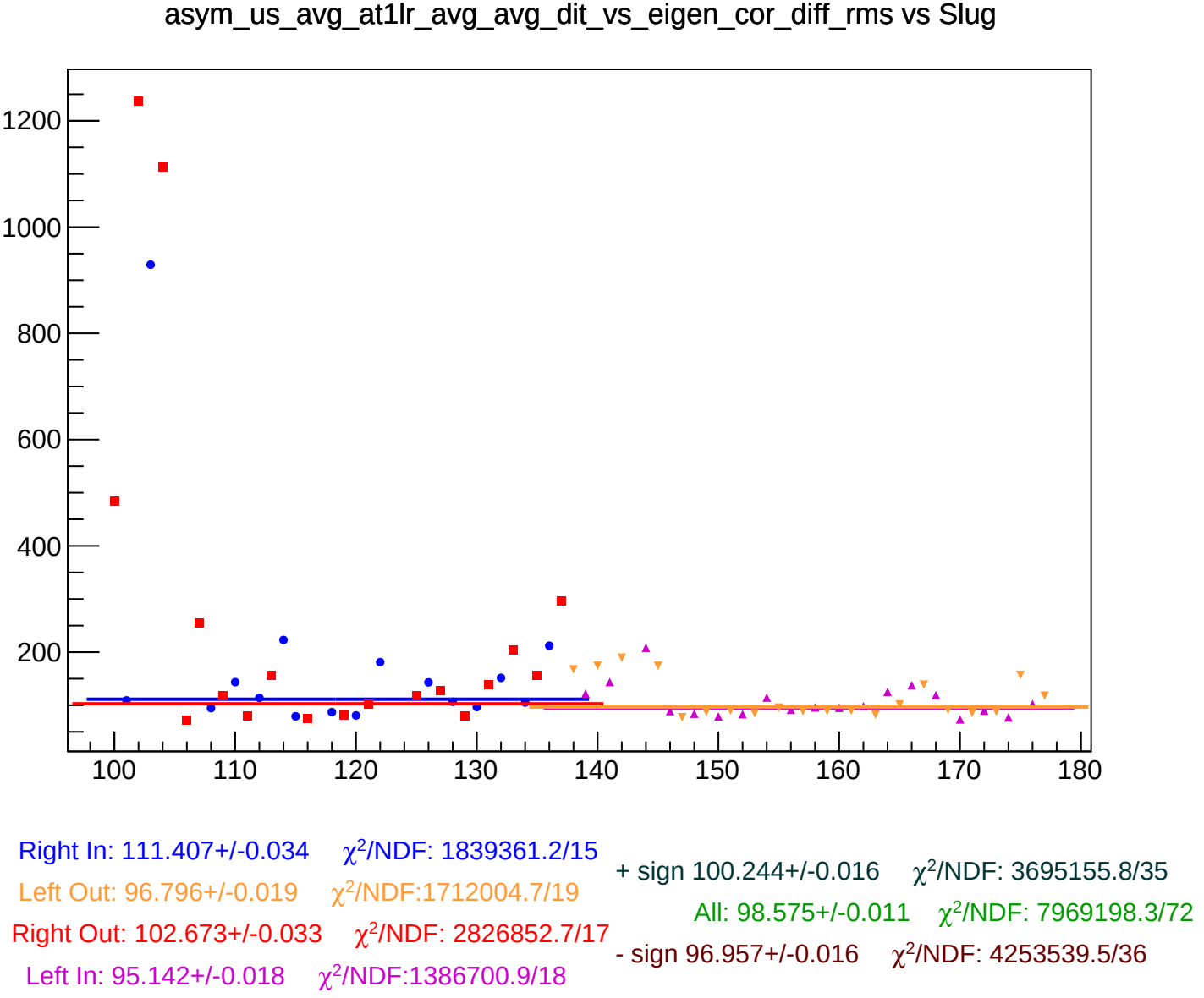
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.038+/-0.026 χ^2/NDF:28.2/18

+ sign -0.013+/-0.023 χ^2/NDF: 39.1/35

All: 0.015+/-0.016 χ^2/NDF: 87.2/72

- sign 0.043+/-0.023 χ^2/NDF: 45.2/36


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
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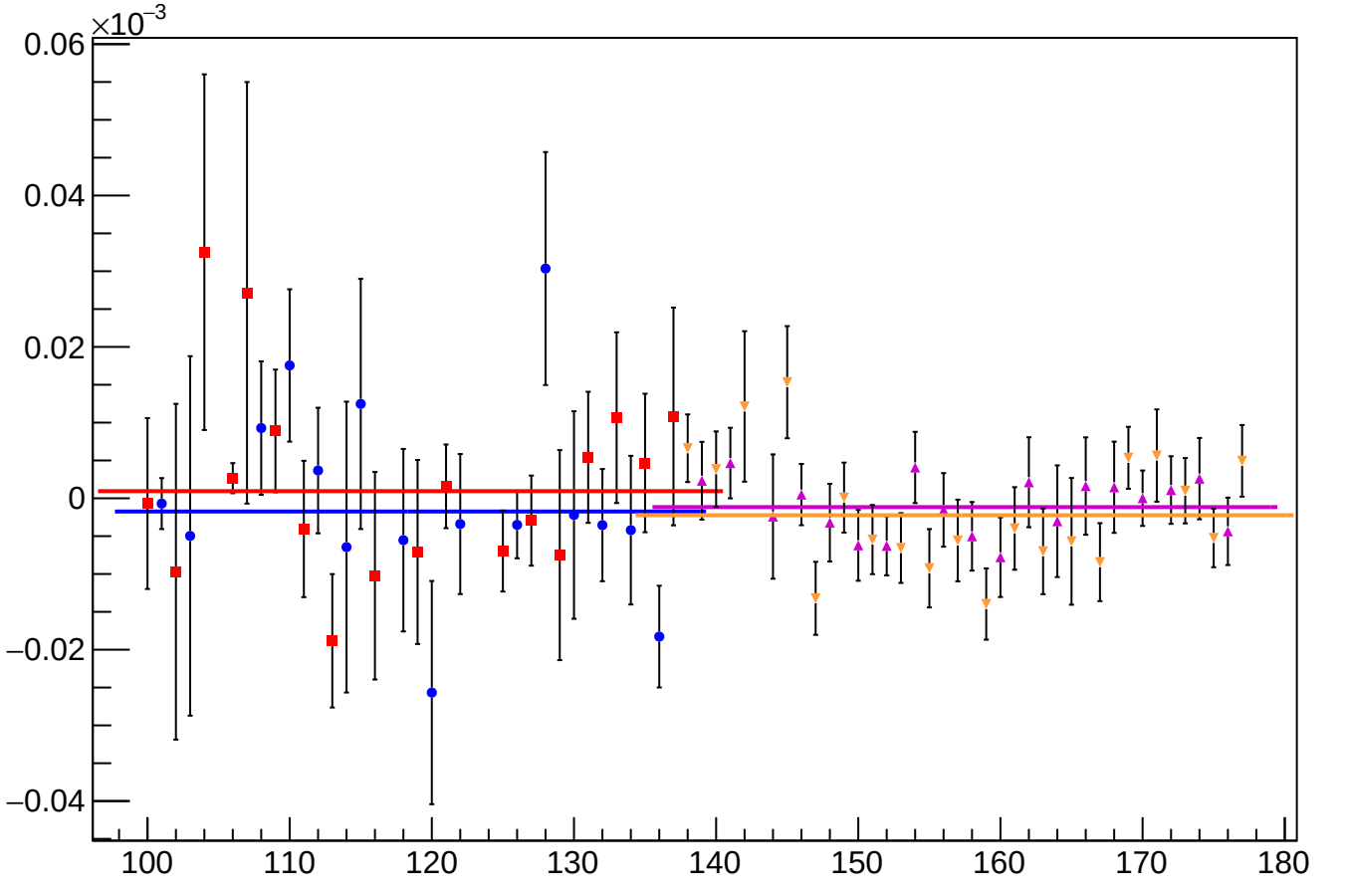
170
180
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 96.796+/-0.019 χ²/NDF:1712004.7/19
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 95.142+/-0.018 χ²/NDF:1386700.9/18
+ sign 100.244+/-0.016 χ²/NDF: 3695155.8/35
All: 98.575+/-0.011 χ²/NDF: 7969198.3/72
- sign 96.957+/-0.016 χ²/NDF: 4253539.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/19

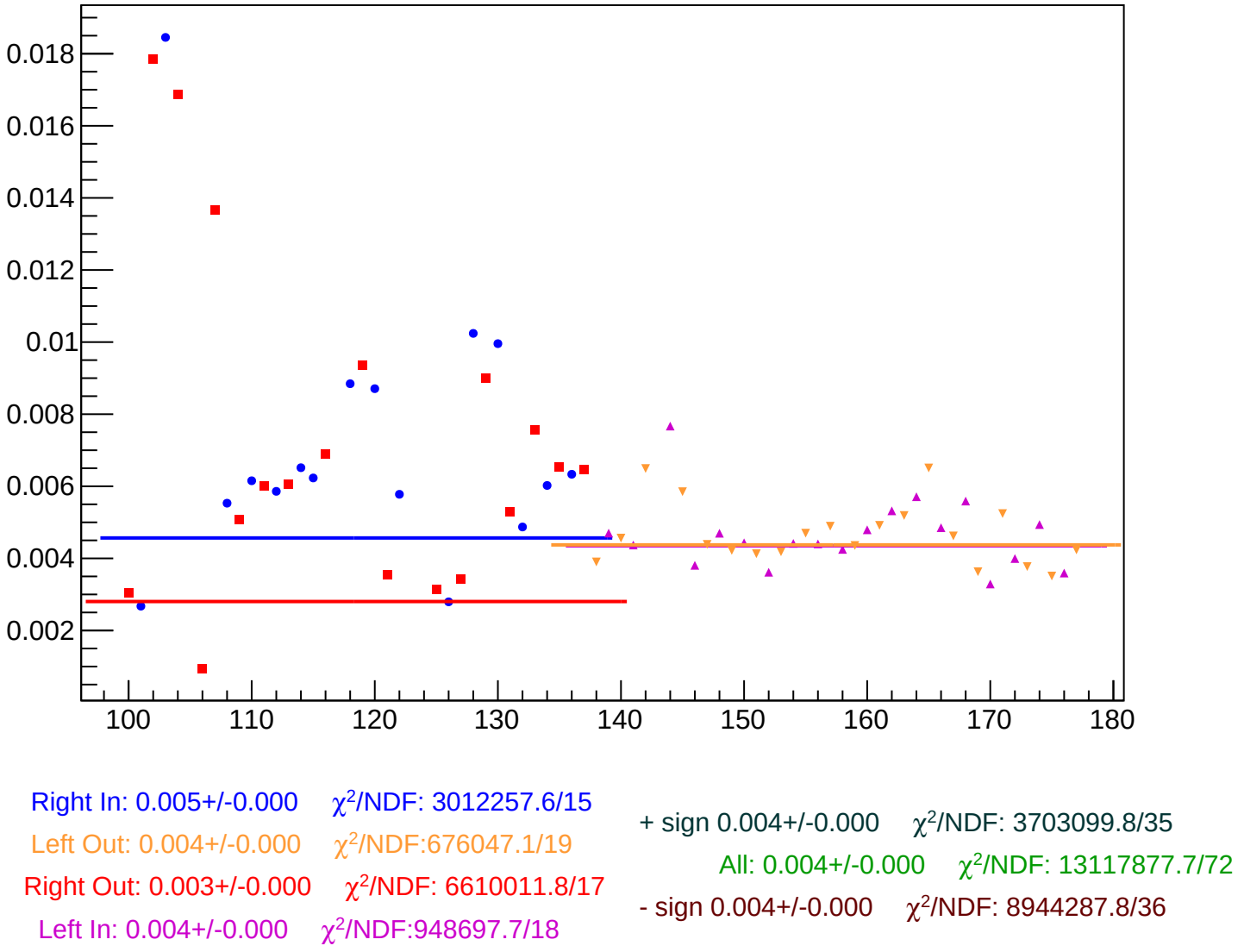
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:10.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 59.4/35

All: -0.000+/-0.000 χ^2/NDF: 89.1/72

- sign -0.000+/-0.000 χ^2/NDF: 27.9/36


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
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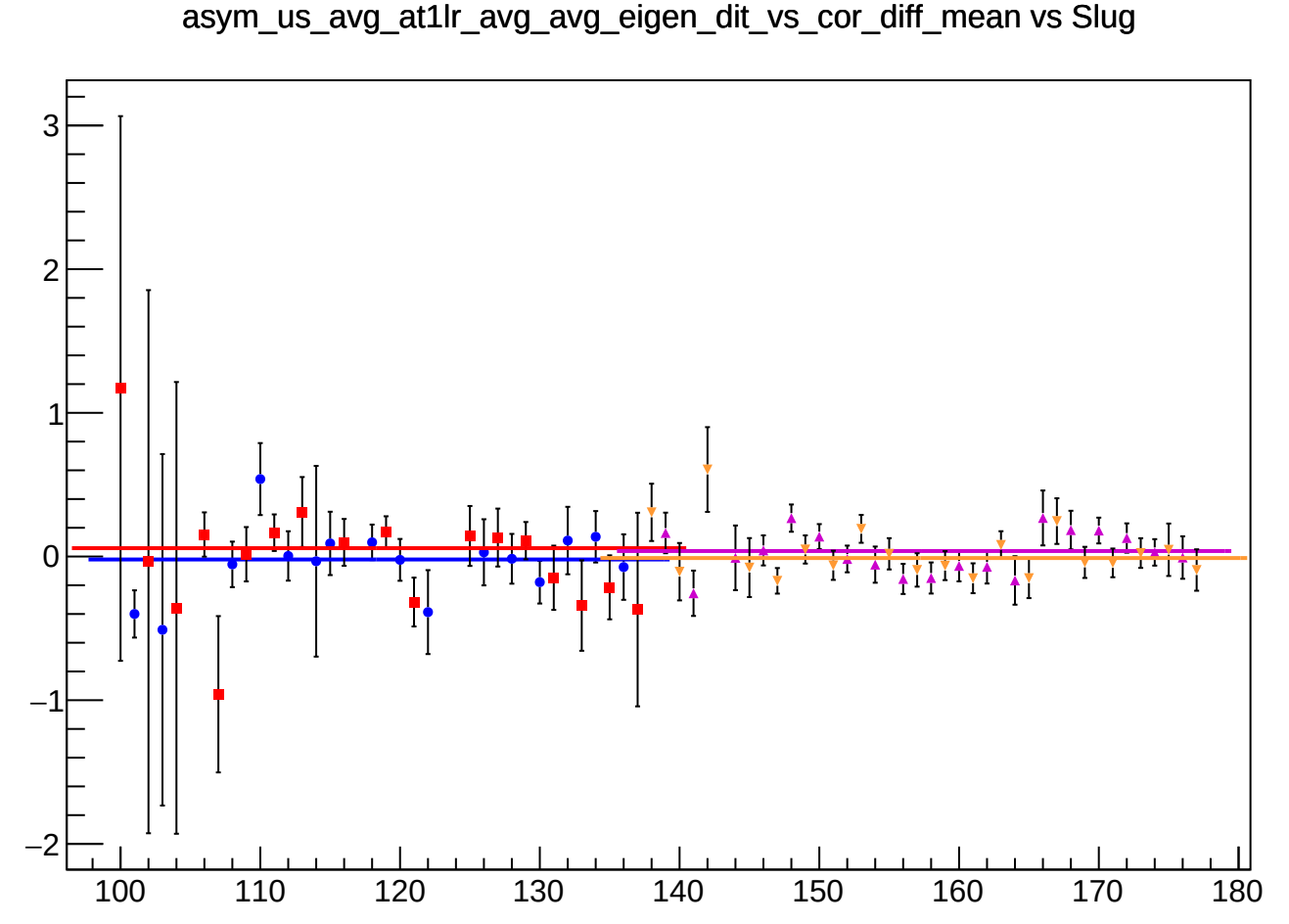
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:676047.1/19
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:948697.7/18
+ sign 0.004+/-0.000 χ²/NDF: 3703099.8/35
All: 0.004+/-0.000 χ²/NDF: 13117877.7/72
- sign 0.004+/-0.000 χ²/NDF: 8944287.8/36



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.026 χ^2/NDF:23.4/19

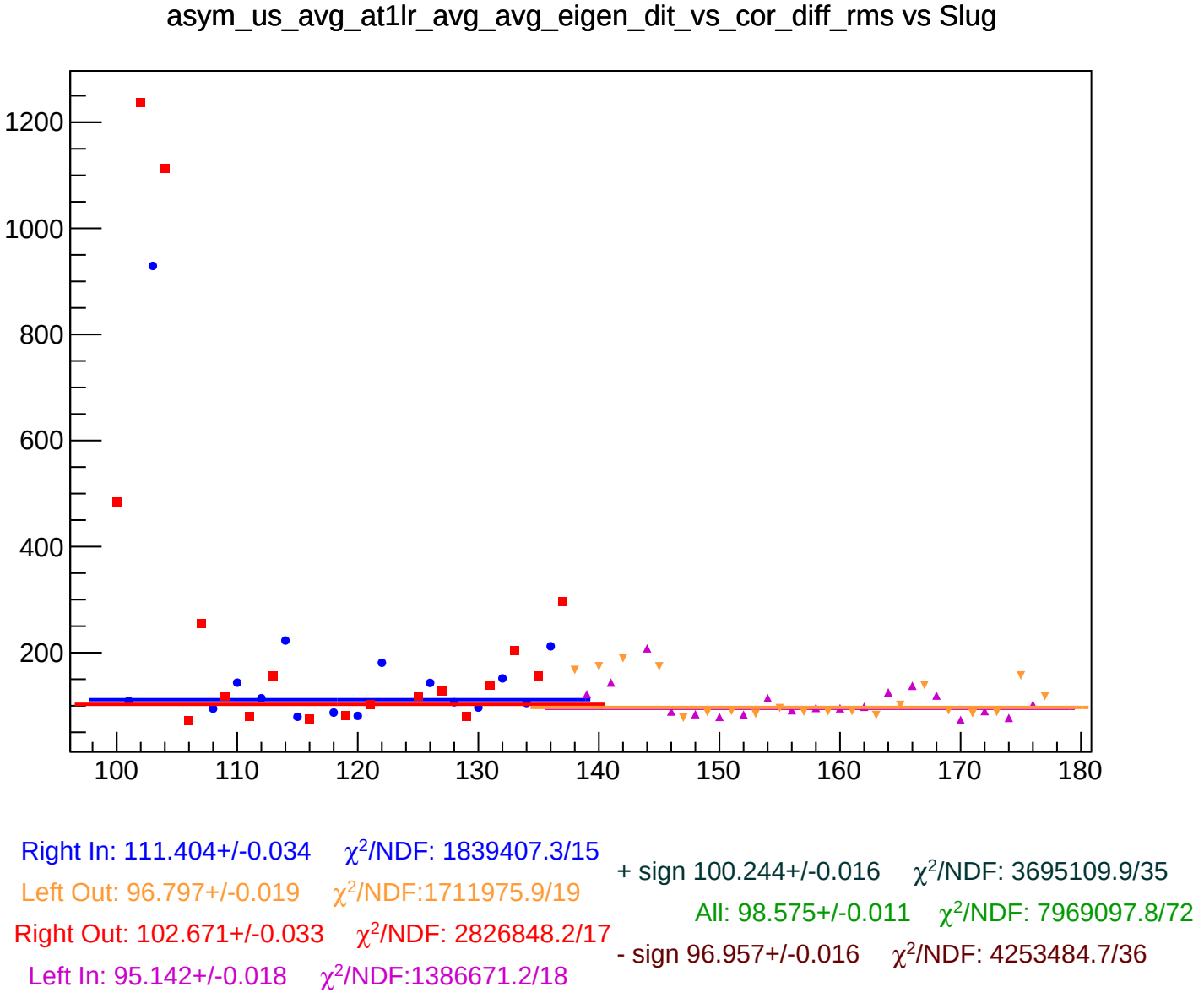
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.038+/-0.026 χ^2/NDF:28.2/18

+ sign -0.013+/-0.023 χ^2/NDF: 39.1/35

All: 0.015+/-0.016 χ^2/NDF: 87.2/72

- sign 0.043+/-0.023 χ^2/NDF: 45.2/36


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
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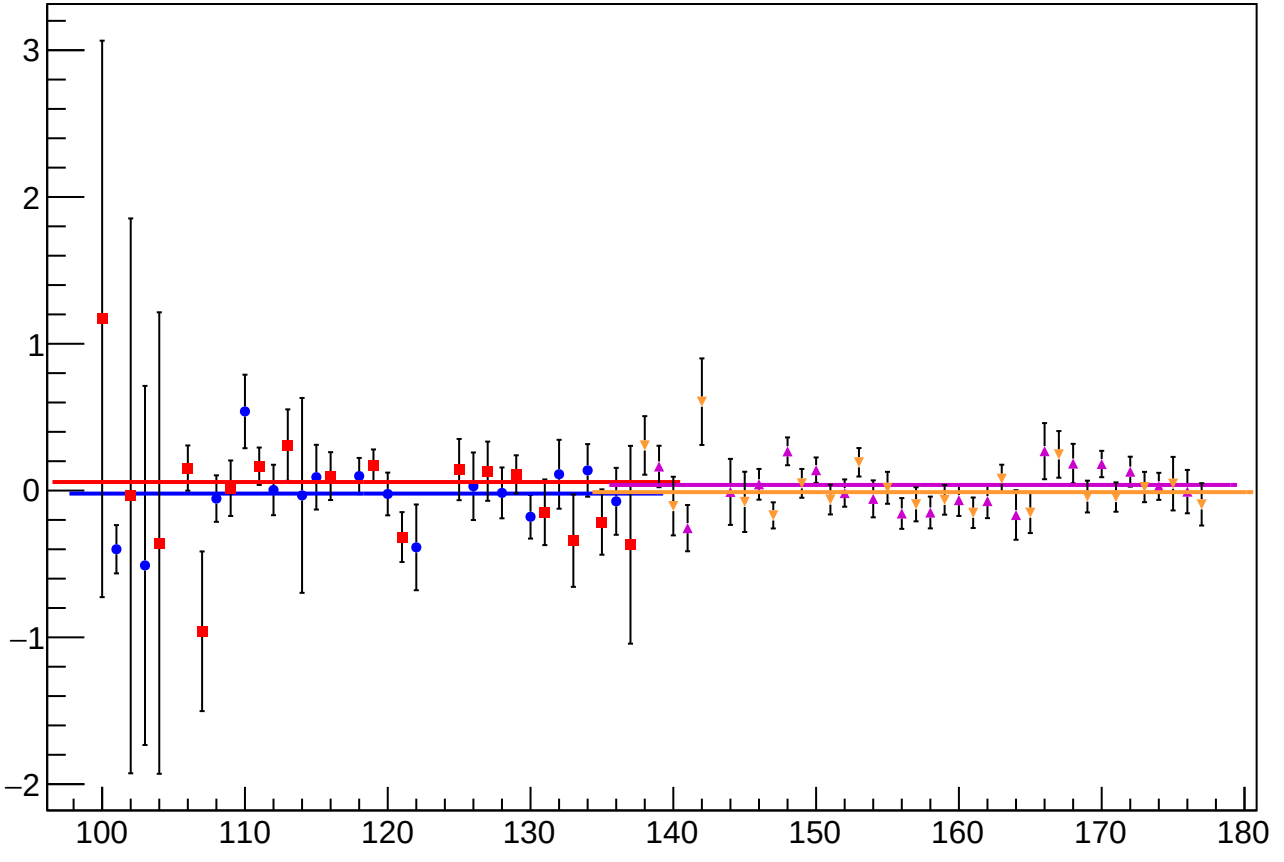
170
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 96.797+/-0.019 χ²/NDF:1711975.9/19
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 95.142+/-0.018 χ²/NDF:1386671.2/18
+ sign 100.244+/-0.016 χ²/NDF: 3695109.9/35
All: 98.575+/-0.011 χ²/NDF: 7969097.8/72
- sign 96.957+/-0.016 χ²/NDF: 4253484.7/36

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.026 χ^2/NDF:23.4/19

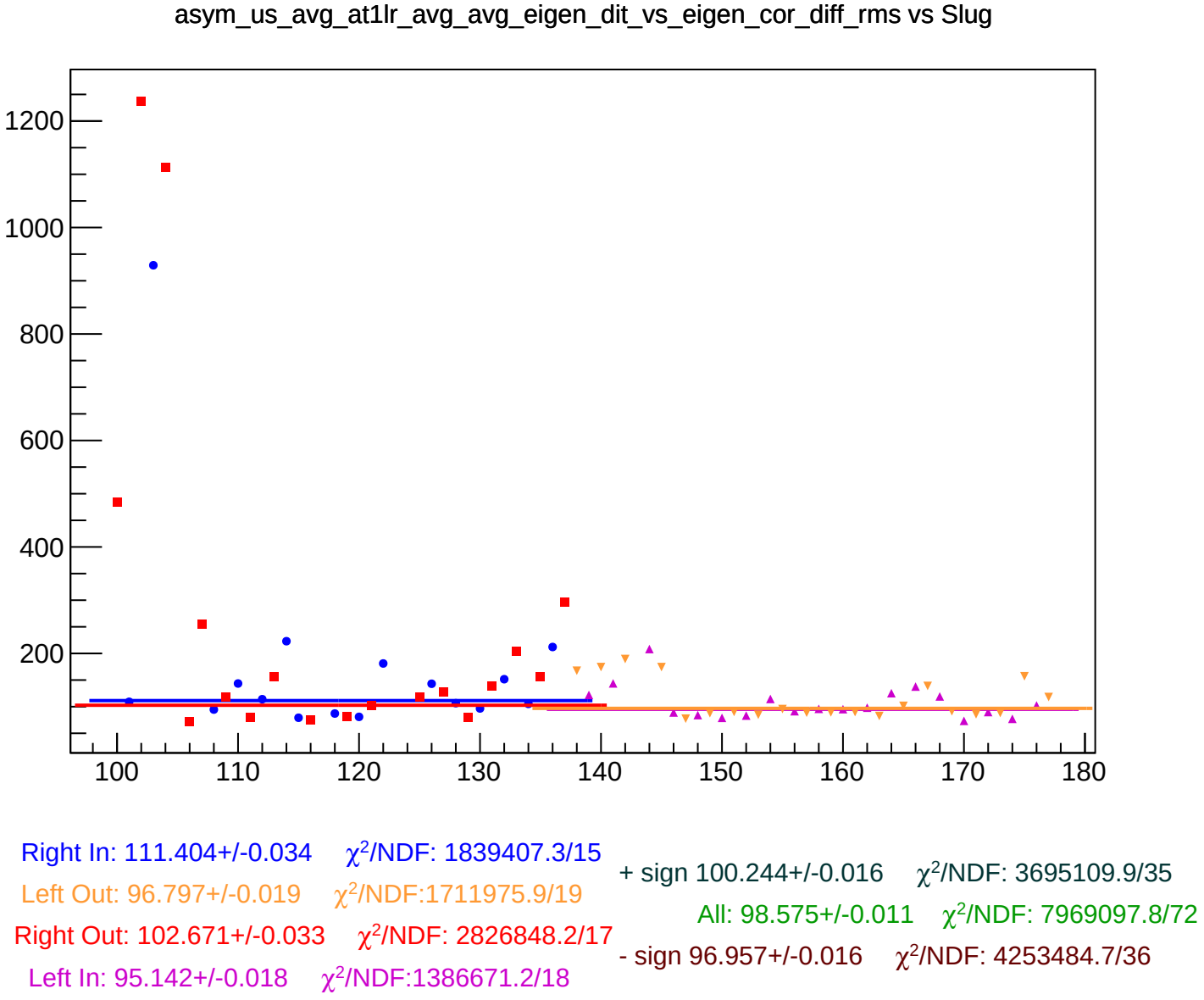
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.038+/-0.026 χ^2/NDF:28.2/18

+ sign -0.013+/-0.023 χ^2/NDF: 39.1/35

All: 0.015+/-0.016 χ^2/NDF: 87.2/72

- sign 0.043+/-0.023 χ^2/NDF: 45.2/36


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
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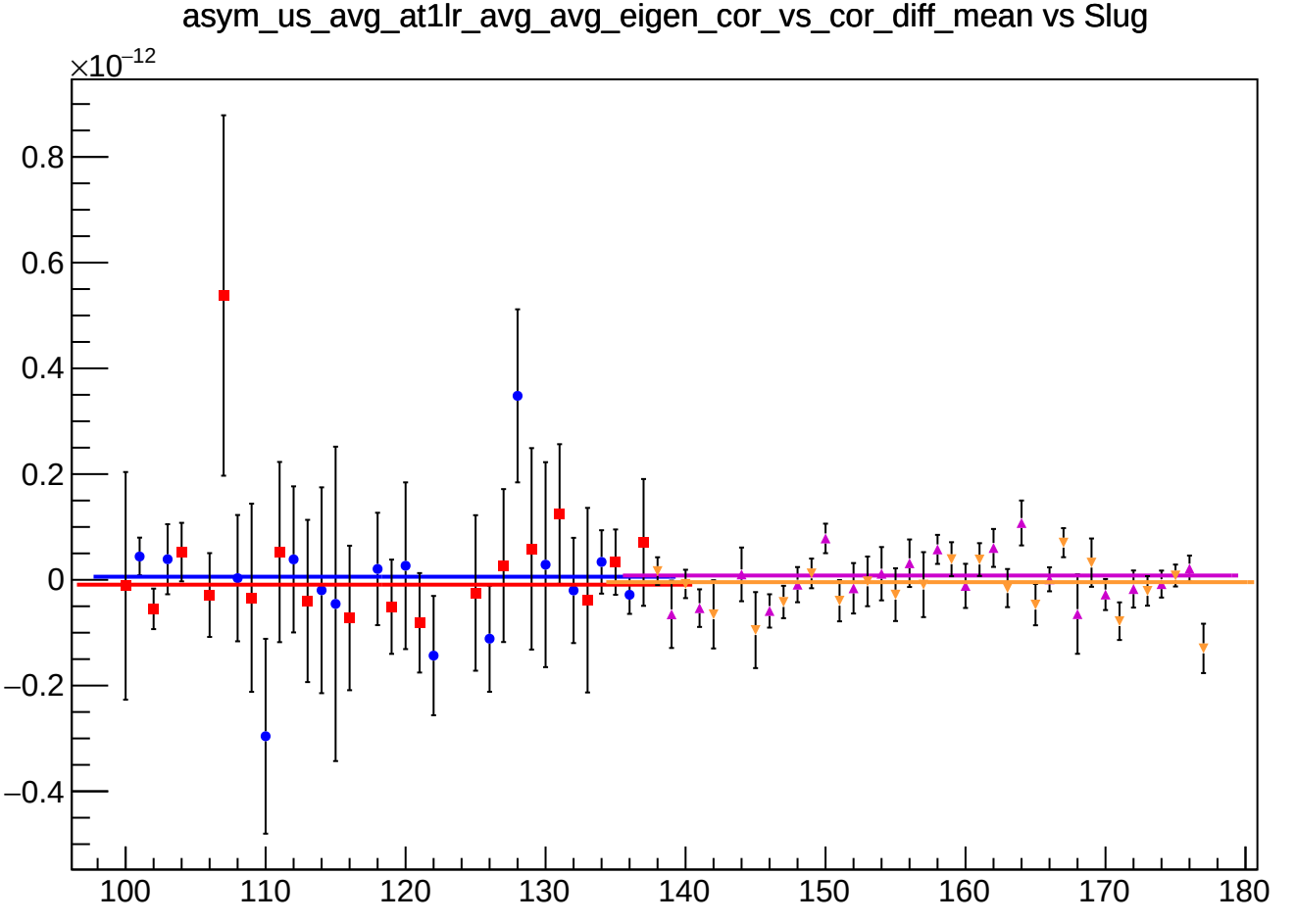
180
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 96.797+/-0.019 χ²/NDF:1711975.9/19
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 95.142+/-0.018 χ²/NDF:1386671.2/18
+ sign 100.244+/-0.016 χ²/NDF: 3695109.9/35
All: 98.575+/-0.011 χ²/NDF: 7969097.8/72
- sign 96.957+/-0.016 χ²/NDF: 4253484.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.3/19

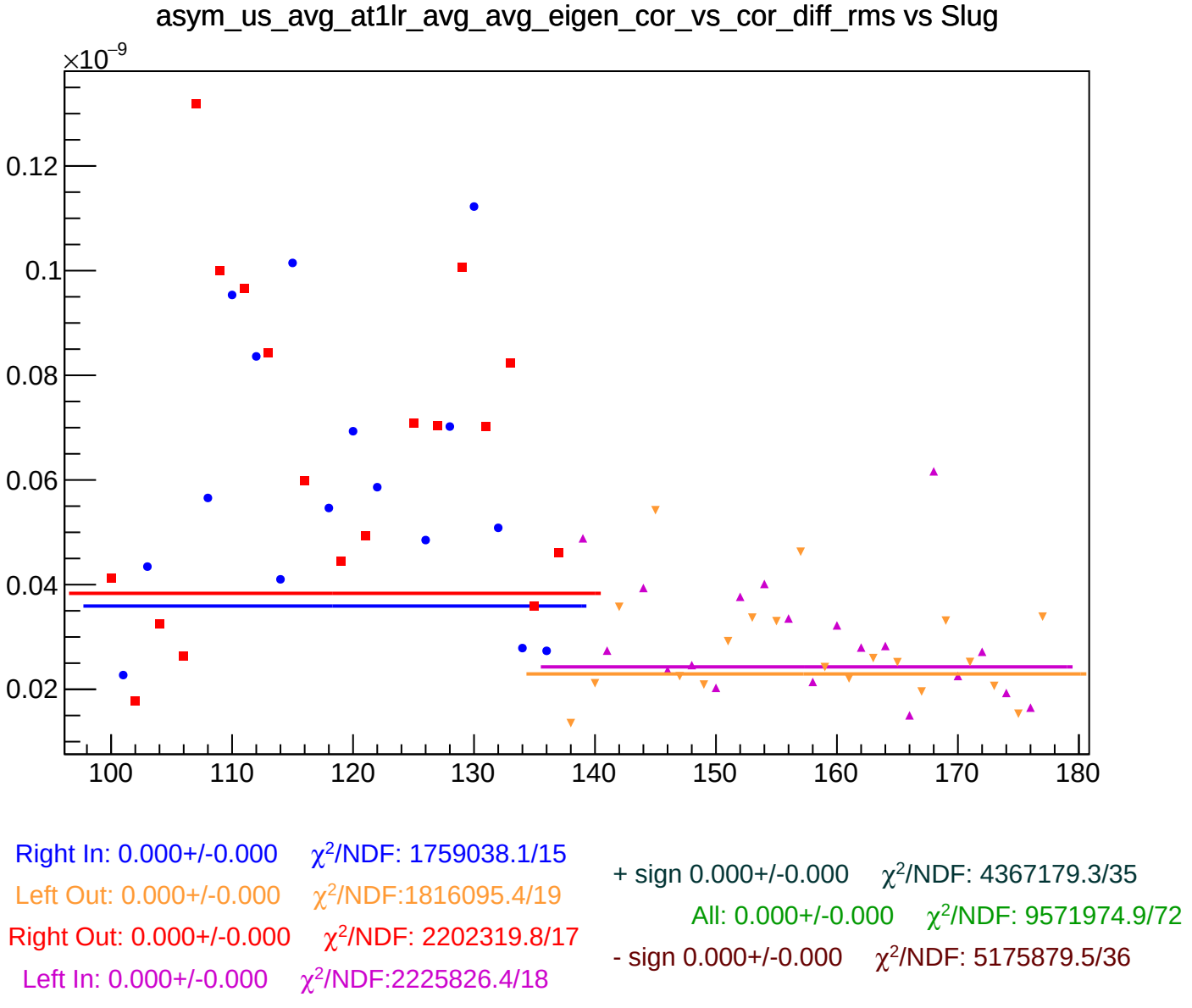
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:30.8/18

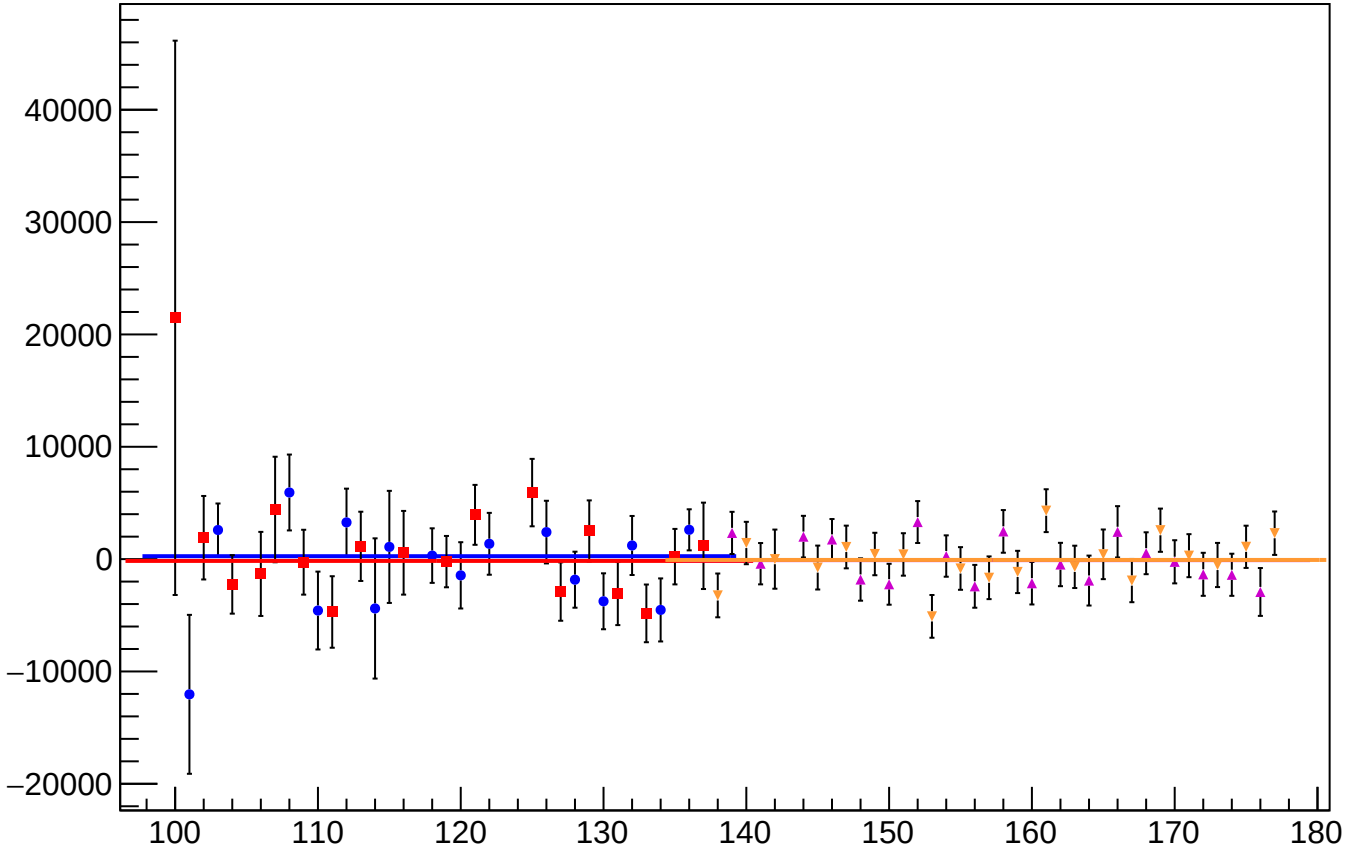
+ sign -0.000+/-0.000 χ^2/NDF: 44.4/35

All: 0.000+/-0.000 χ^2/NDF: 85.3/72

- sign 0.000+/-0.000 χ^2/NDF: 40.0/36


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:1816095.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:2225826.4/18
+ sign 0.000+/-0.000 χ²/NDF: 4367179.3/35
All: 0.000+/-0.000 χ²/NDF: 9571974.9/72
- sign 0.000+/-0.000 χ²/NDF: 5175879.5/36

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -73.603+/-435.020 χ^2/NDF:22.3/19

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

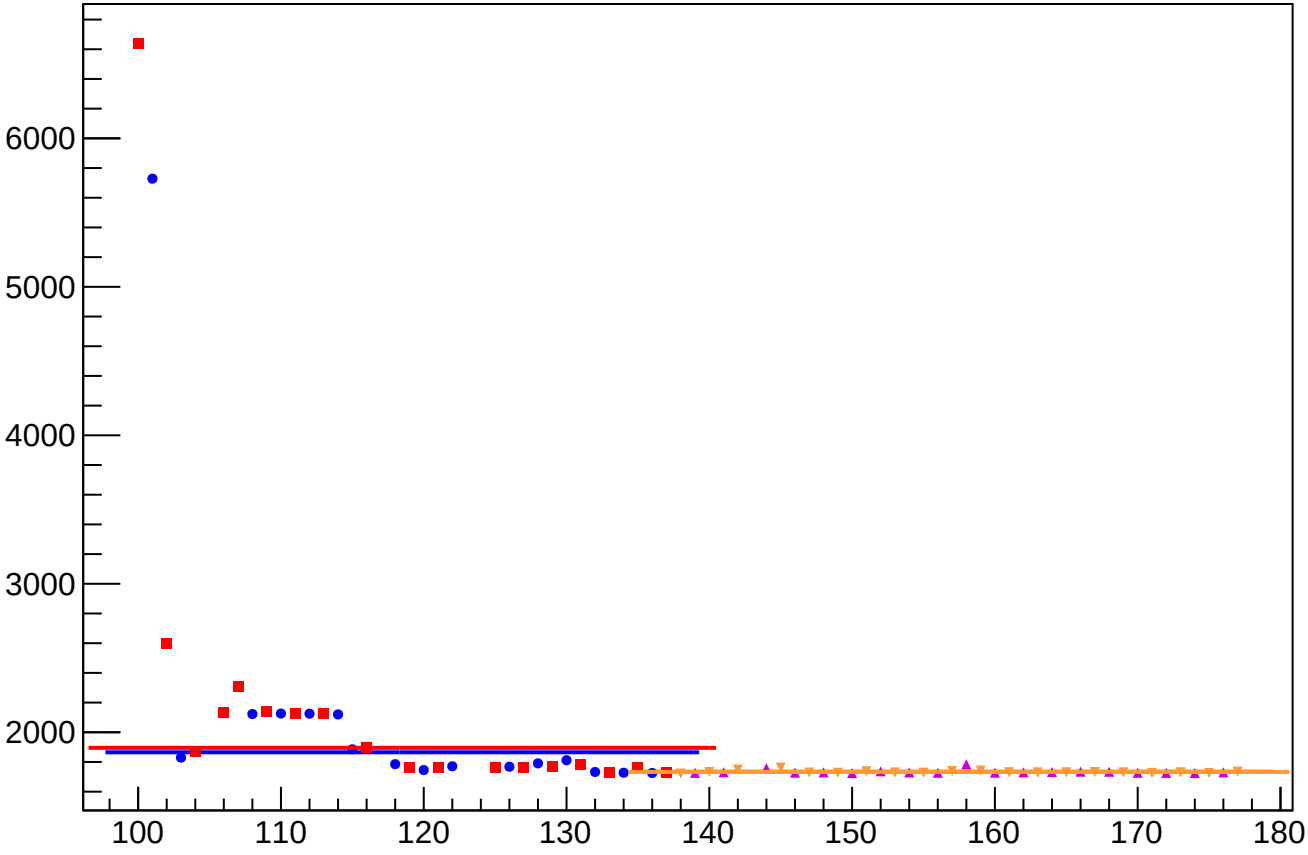
Left In: -88.754+/-439.876 χ^2/NDF:18.8/18

+ sign 17.371+/-370.889 χ^2/NDF: 41.9/35

All: -44.864+/-263.443 χ^2/NDF: 78.8/72

- sign -108.237+/-374.265 χ^2/NDF: 36.9/36

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.804+/-0.308 χ^2/NDF:776.9/19

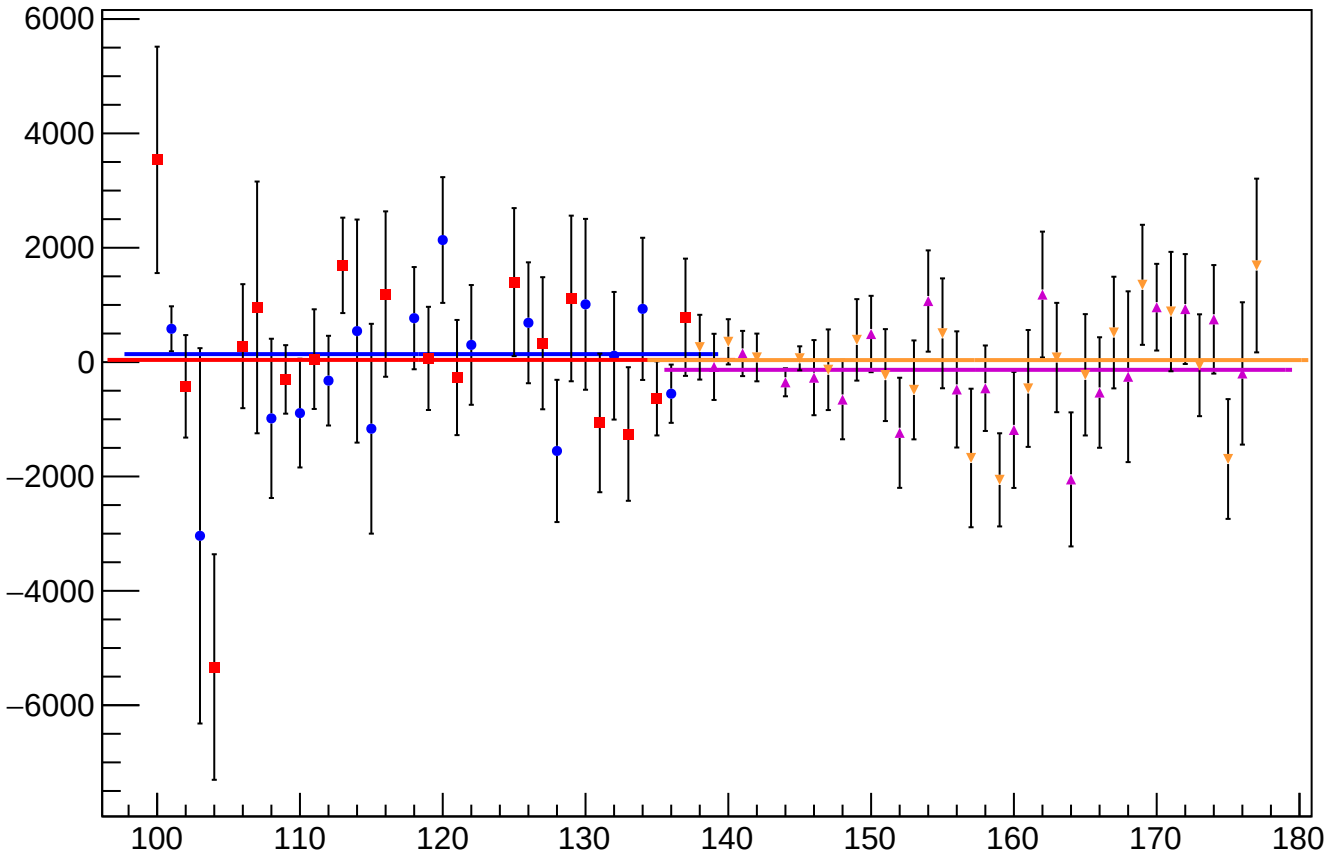
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

+ sign 1768.955+/-0.262 χ^2/NDF: 724072.8/35

All: 1773.729+/-0.186 χ^2/NDF: 1051663.6/72

- sign 1778.590+/-0.265 χ^2/NDF: 326921.9/36



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 35.502+/-133.039 χ^2/NDF:17.2/19

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

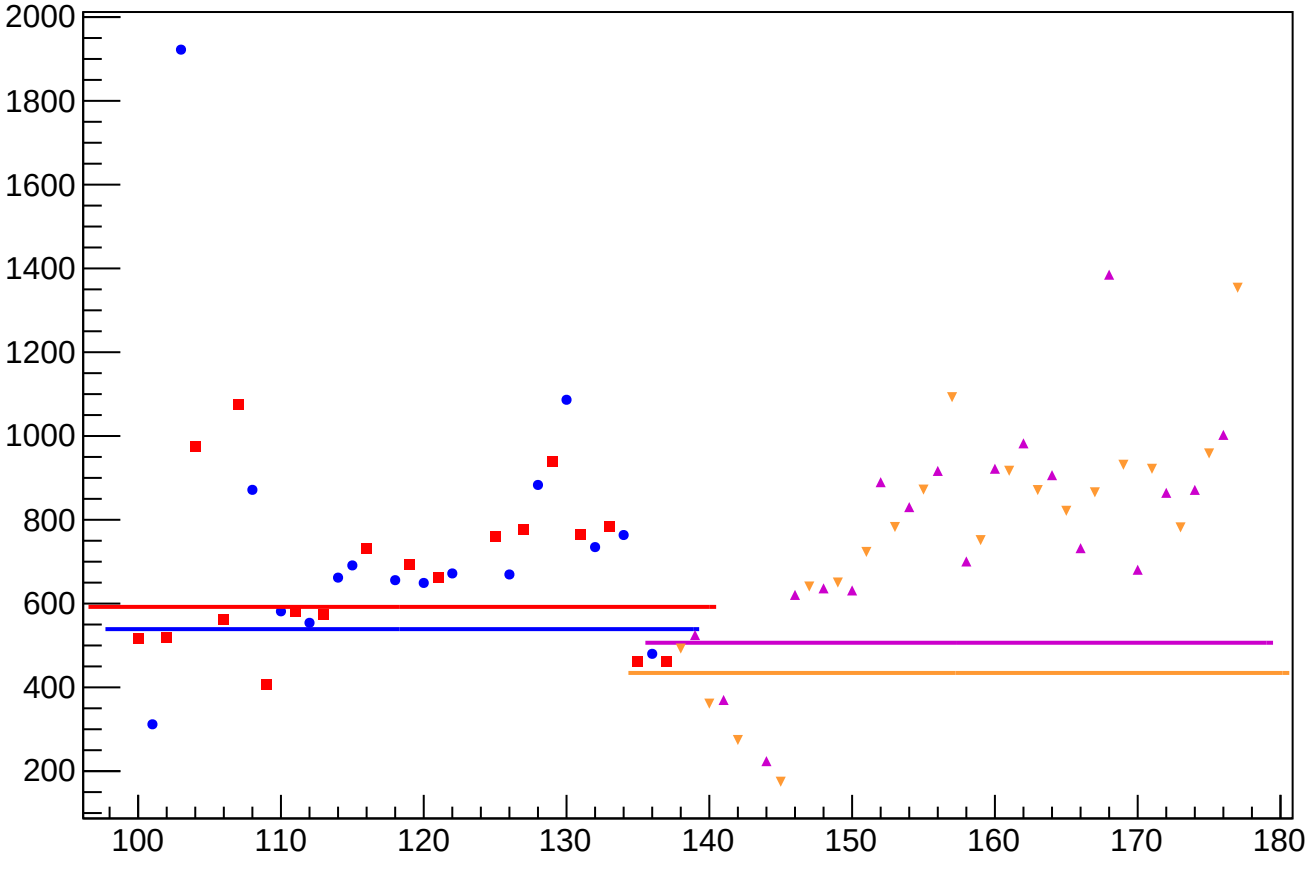
Left In: -134.984+/-146.796 χ^2/NDF:15.8/18

+ sign 63.411+/-113.856 χ^2/NDF: 30.8/35

All: -4.901+/-84.166 χ^2/NDF: 69.1/72

- sign -87.212+/-124.978 χ^2/NDF: 37.6/36

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 434.433+/-0.094 χ^2/NDF:9630123.7/19

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

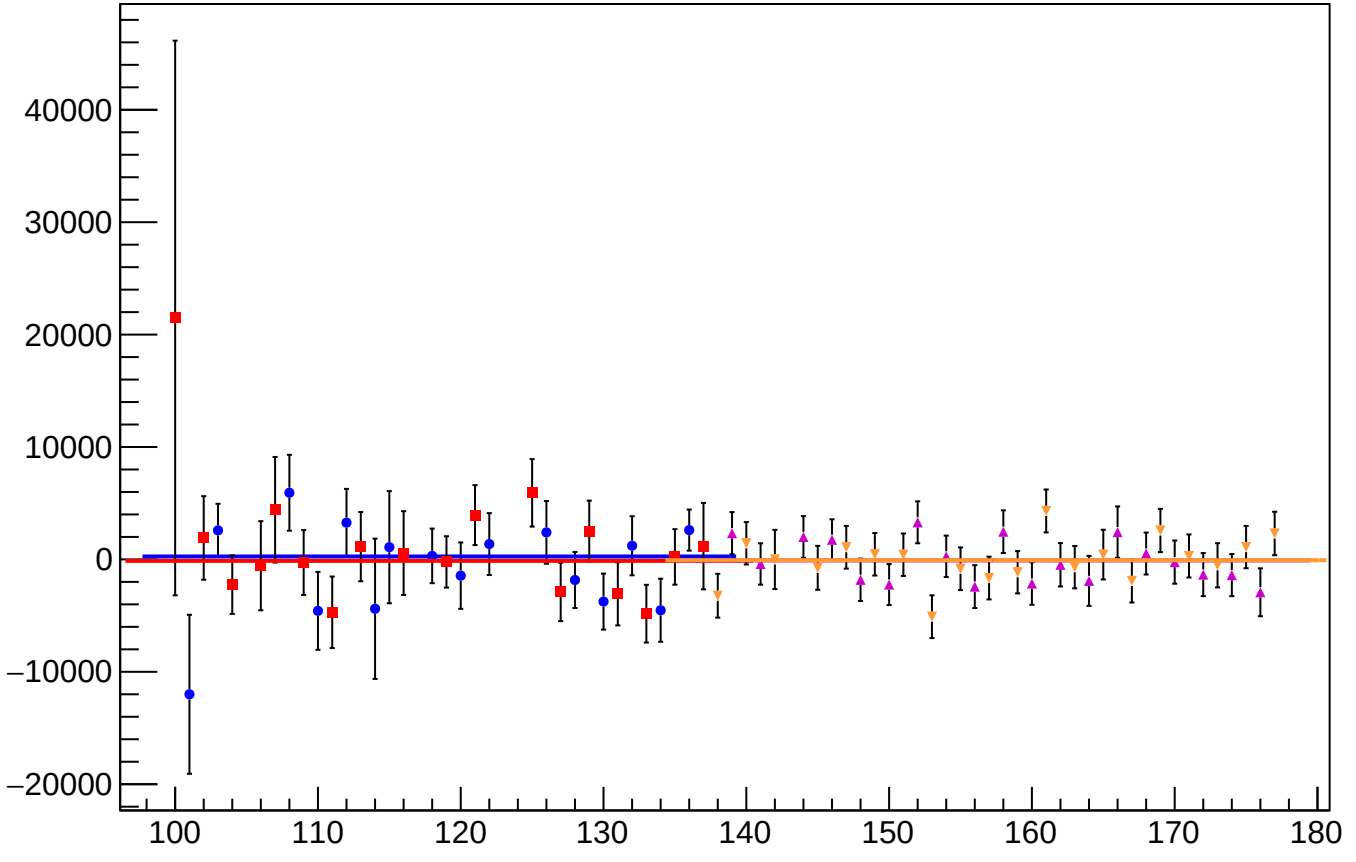
Left In: 506.487+/-0.104 χ^2/NDF:6886290.1/18

+ sign 462.419+/-0.081 χ^2/NDF: 11815422.1/35

All: 493.089+/-0.060 χ^2/NDF: 20051972.7/72

- sign 530.045+/-0.088 χ^2/NDF: 7916546.2/36

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -73.563+/-435.020 χ^2/NDF:22.3/19

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

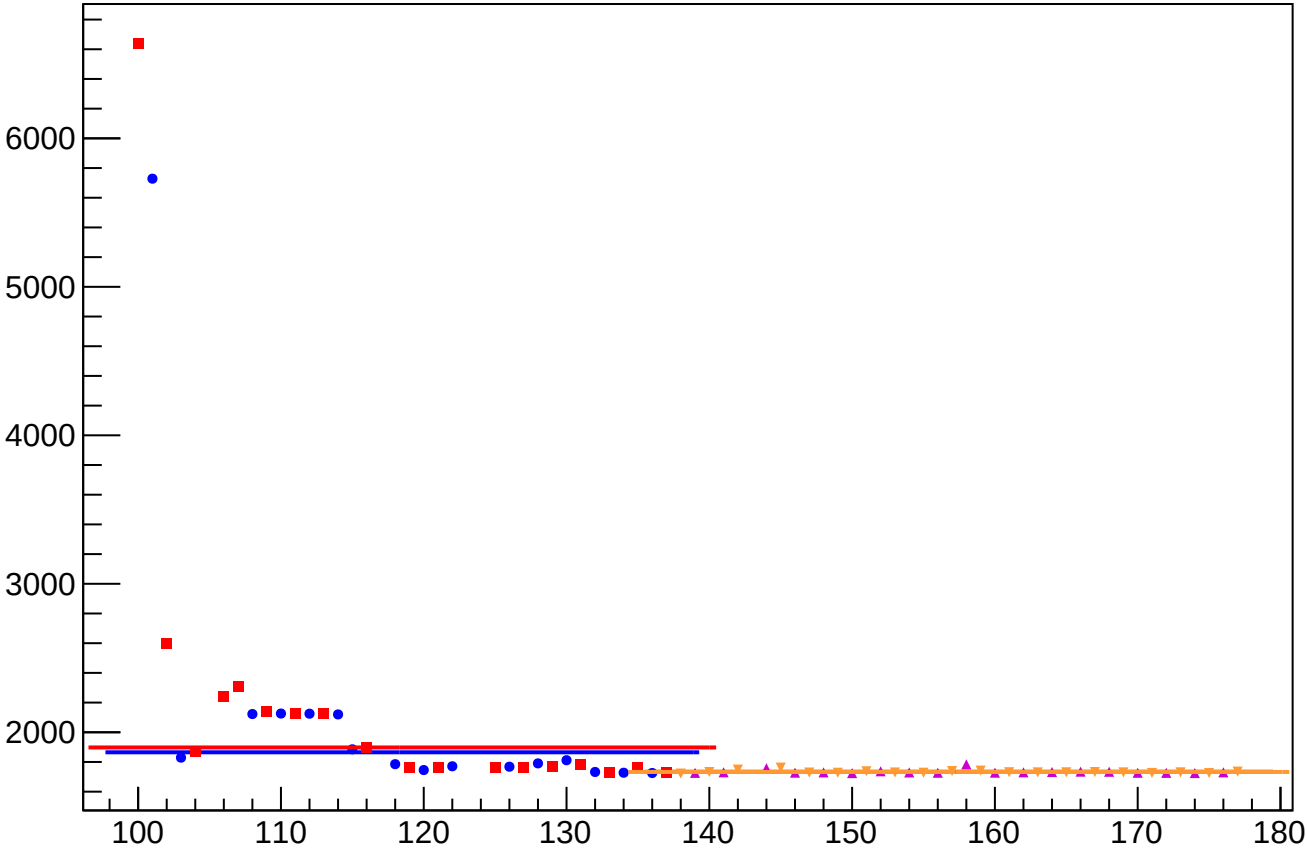
Left In: -88.708+/-439.876 χ^2/NDF:18.8/18

+ sign 17.452+/-370.889 χ^2/NDF: 41.9/35

All: -40.754+/-263.515 χ^2/NDF: 78.7/72

- sign -100.089+/-374.469 χ^2/NDF: 36.8/36

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.804+/-0.308 χ^2/NDF:776.9/19

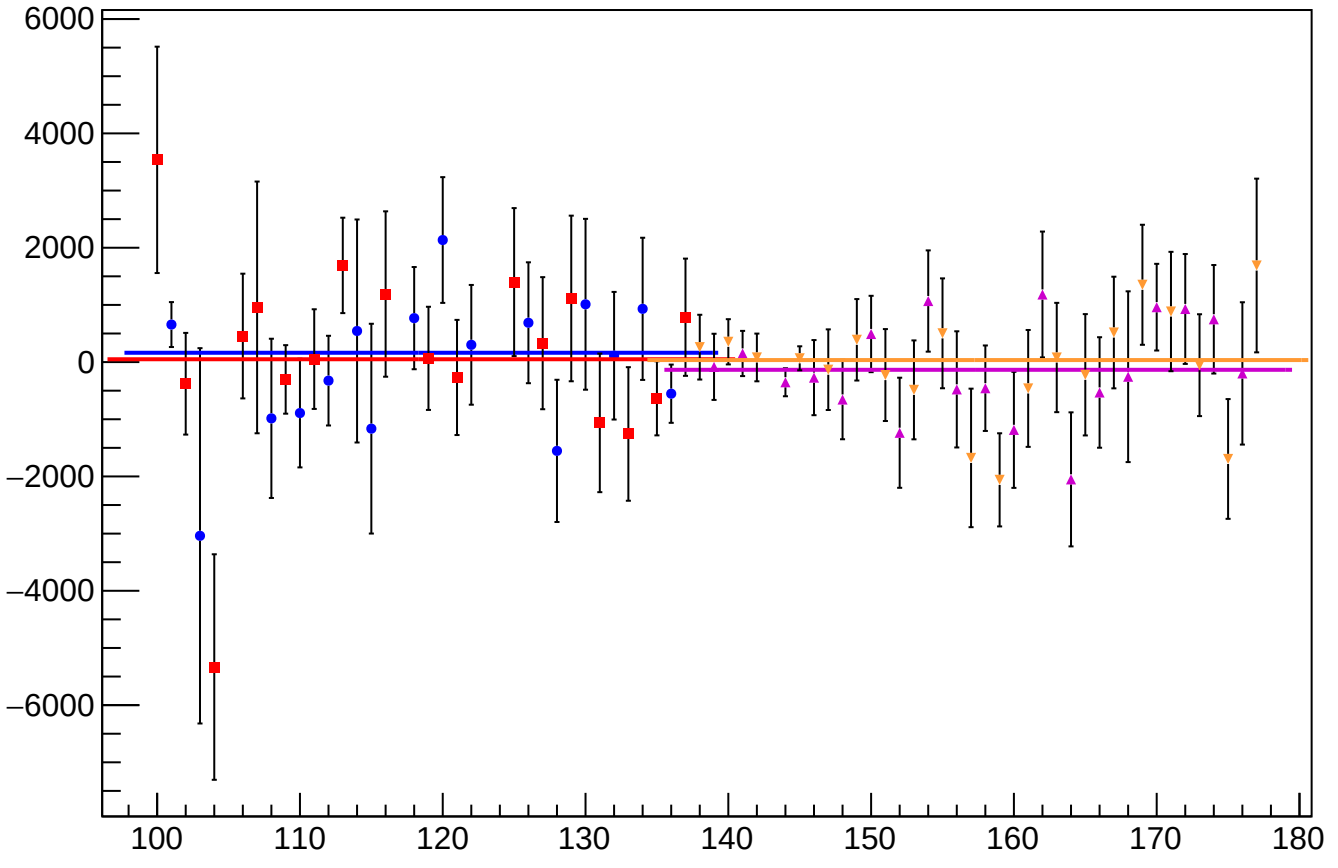
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

+ sign 1768.955+/-0.262 χ^2/NDF: 724072.6/35

All: 1773.997+/-0.186 χ^2/NDF: 1060722.0/72

- sign 1779.138+/-0.265 χ^2/NDF: 335902.8/36



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 35.384+/-133.041 χ^2/NDF:17.2/19

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

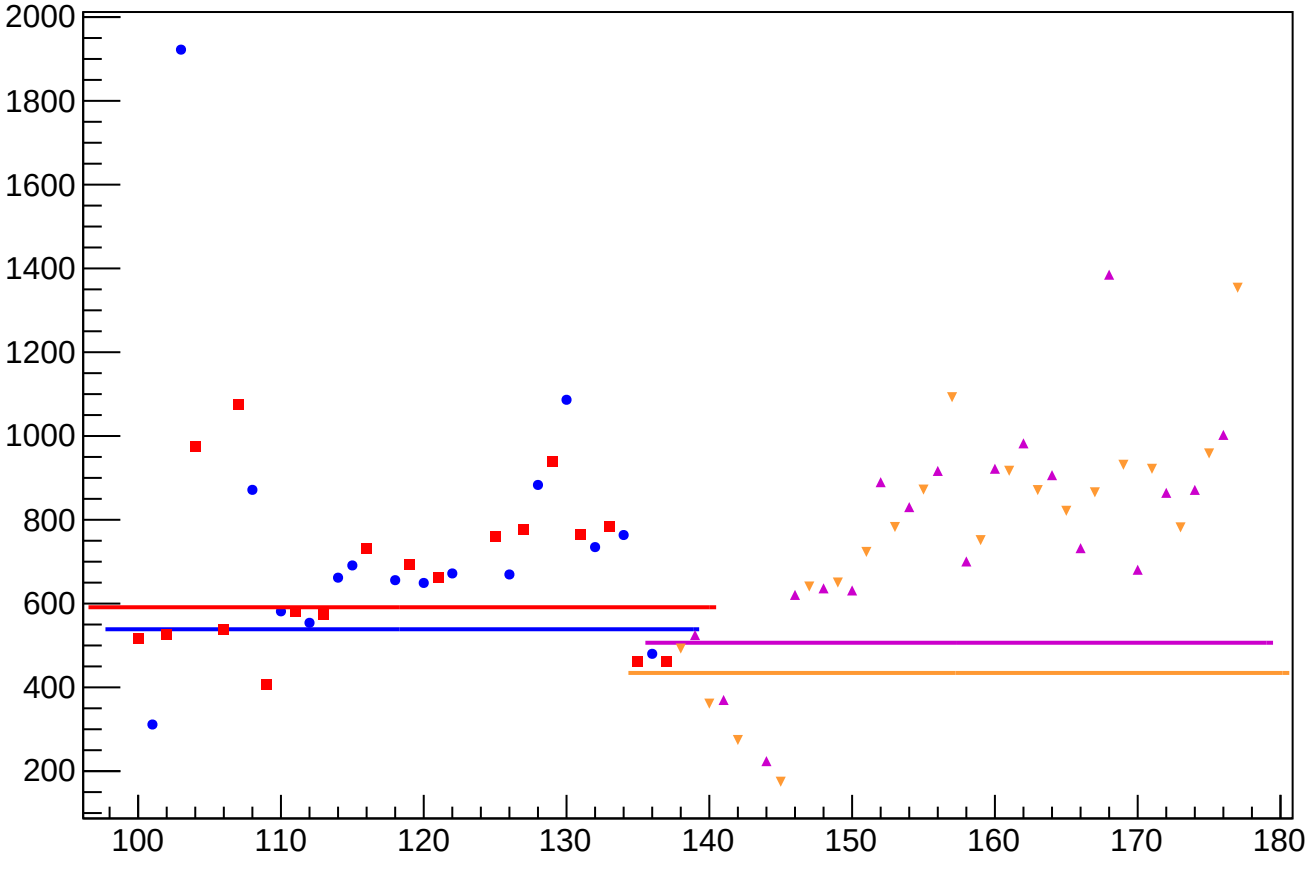
Left In: -134.962+/-146.797 χ^2/NDF:15.8/18

+ sign 69.590+/-113.846 χ^2/NDF: 31.3/35

All: -0.136+/-84.160 χ^2/NDF: 69.8/72

- sign -84.155+/-124.971 χ^2/NDF: 37.7/36

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 434.443+/-0.094 χ^2/NDF:9629767.1/19

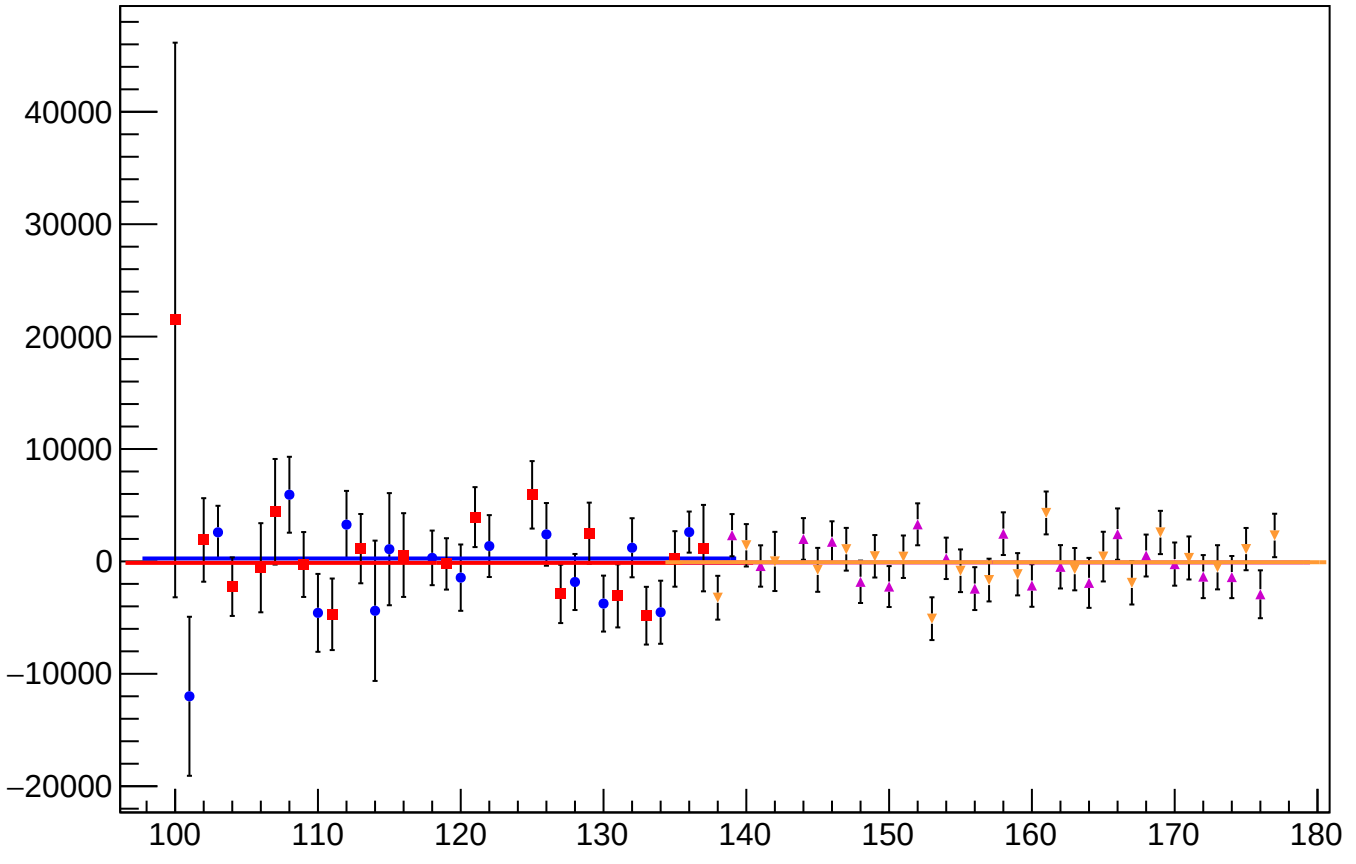
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 506.495+/-0.104 χ^2/NDF:6885837.7/18

+ sign 462.357+/-0.081 χ^2/NDF: 11817508.1/35

All: 492.954+/-0.060 χ^2/NDF: 20049886.6/72

- sign 529.822+/-0.088 χ^2/NDF: 7913852.6/36



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -73.563+/-435.020 χ^2/NDF:22.3/19

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

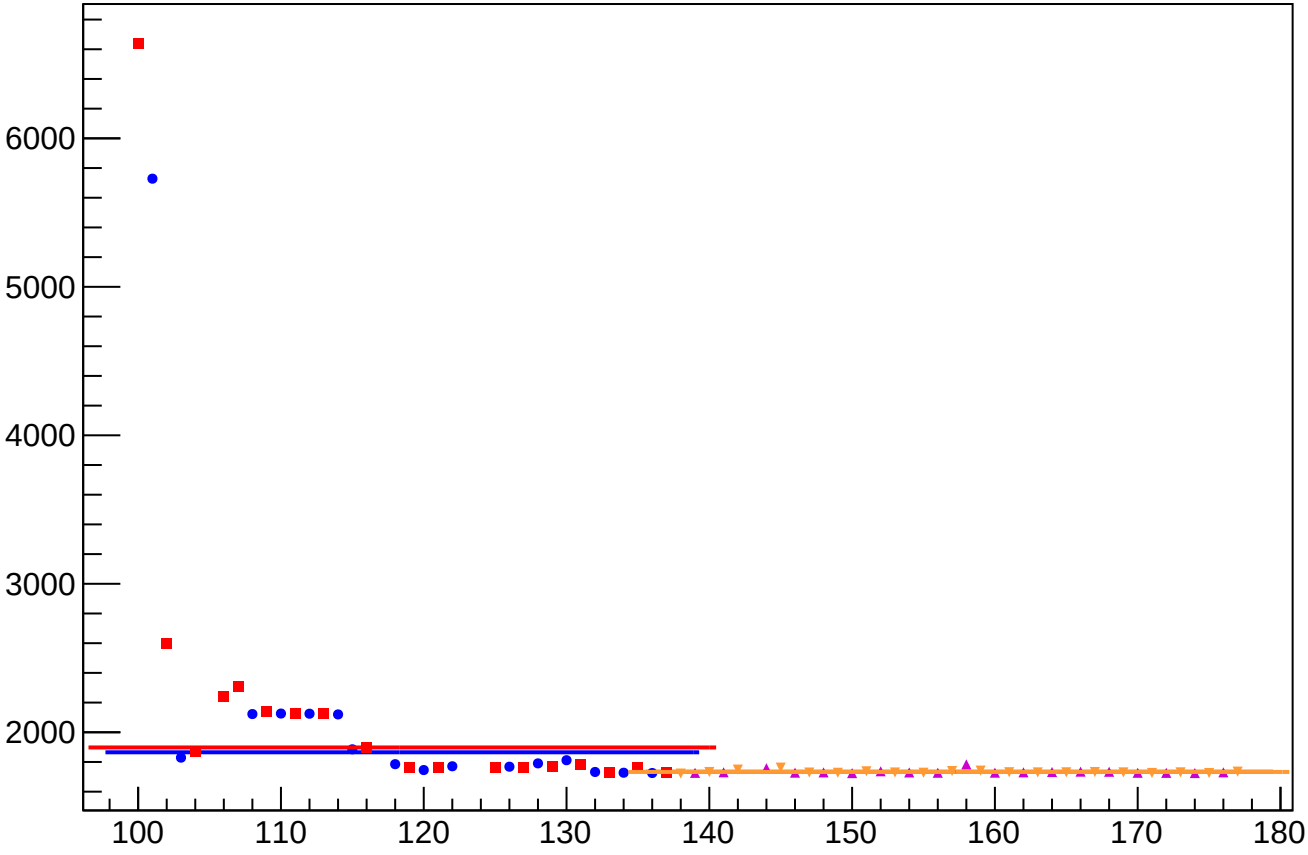
Left In: -88.708+/-439.876 χ^2/NDF:18.8/18

+ sign 17.452+/-370.889 χ^2/NDF: 41.9/35

All: -40.754+/-263.515 χ^2/NDF: 78.7/72

- sign -100.089+/-374.469 χ^2/NDF: 36.8/36

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.804+/-0.308 χ^2/NDF:776.9/19

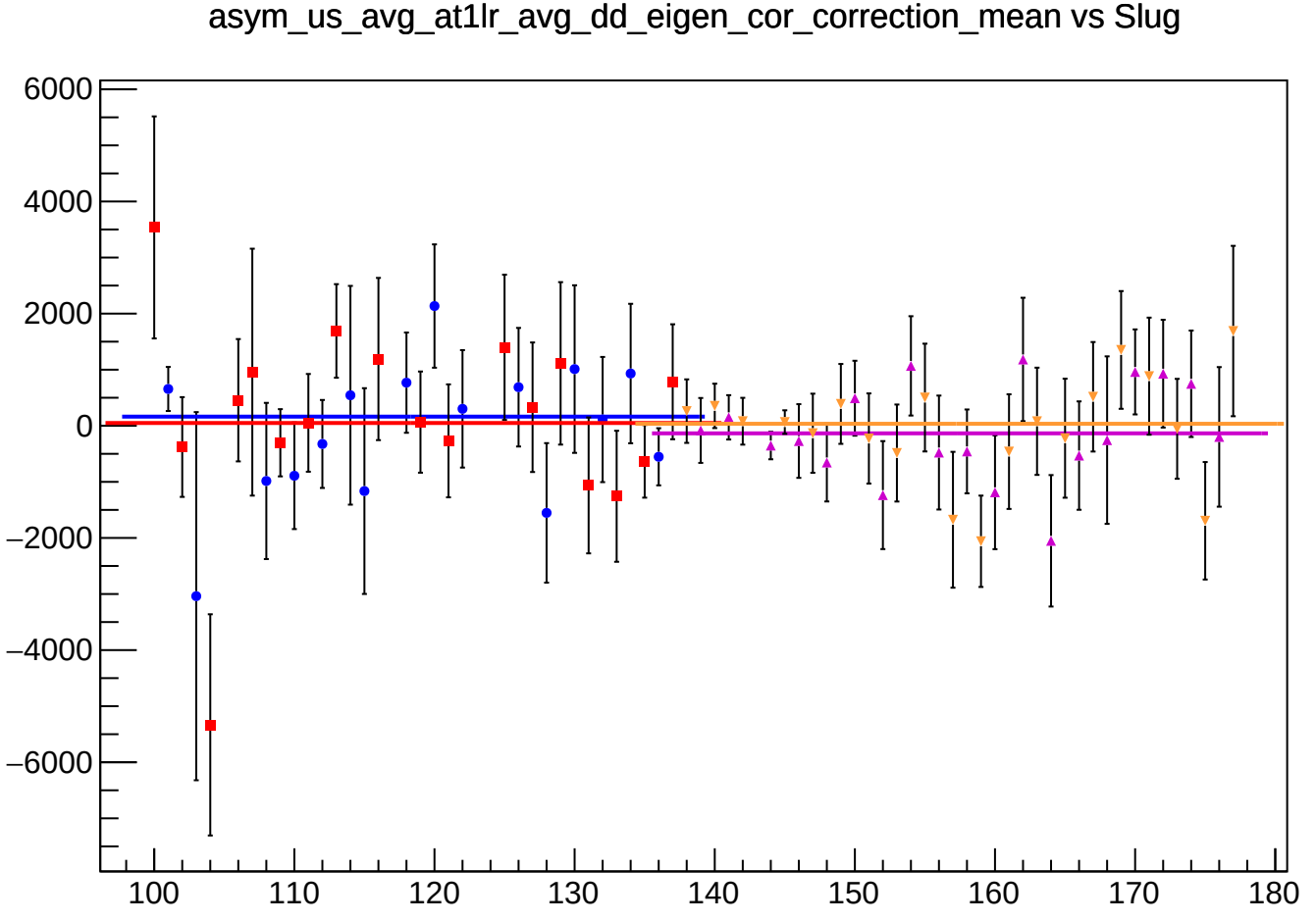
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

+ sign 1768.955+/-0.262 χ^2/NDF: 724072.6/35

All: 1773.997+/-0.186 χ^2/NDF: 1060722.0/72

- sign 1779.138+/-0.265 χ^2/NDF: 335902.8/36



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 35.384+/-133.041 χ^2/NDF:17.2/19

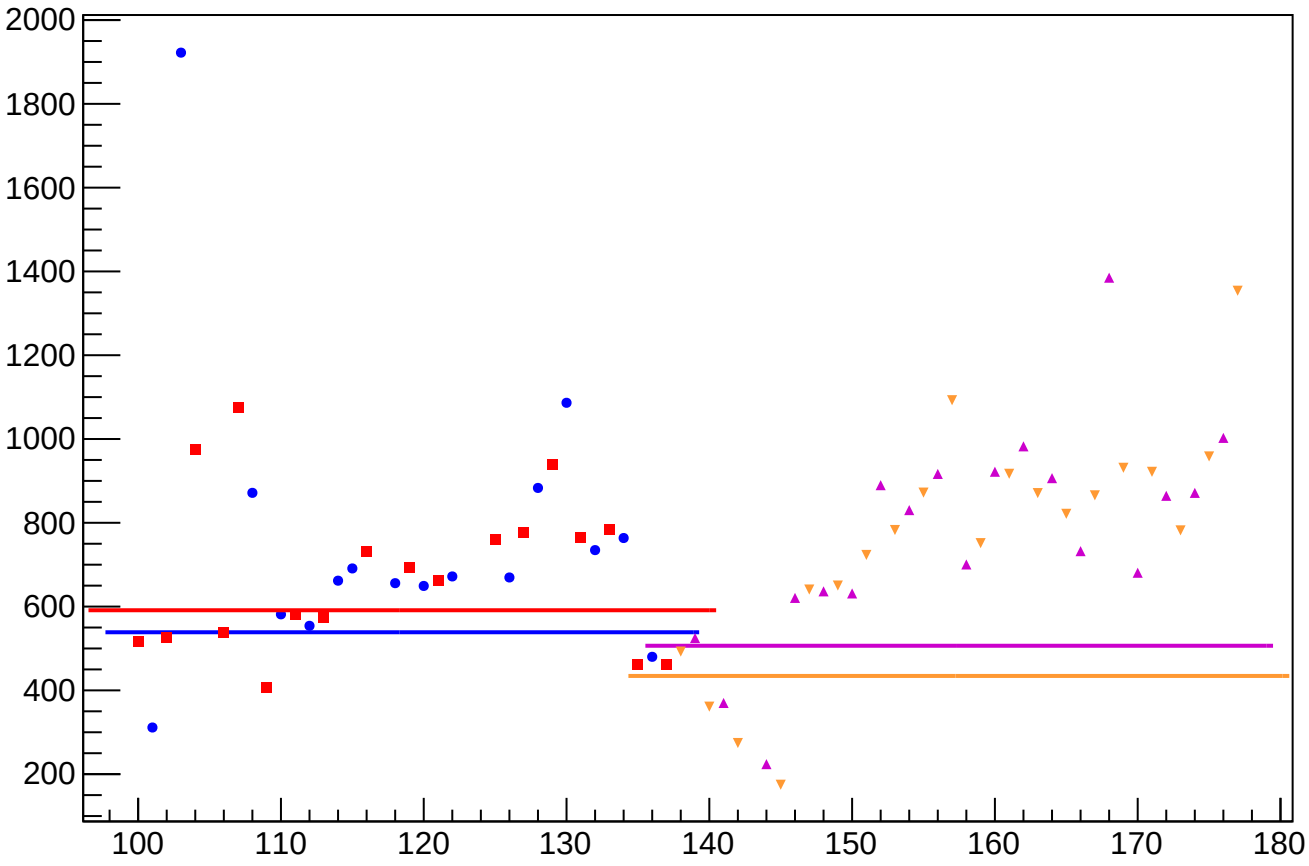
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -134.962+/-146.797 χ^2/NDF:15.8/18

+ sign 69.590+/-113.846 χ^2/NDF: 31.3/35

All: -0.136+/-84.160 χ^2/NDF: 69.8/72

- sign -84.155+/-124.971 χ^2/NDF: 37.7/36



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 434.443+/-0.094 χ^2/NDF:9629767.1/19

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

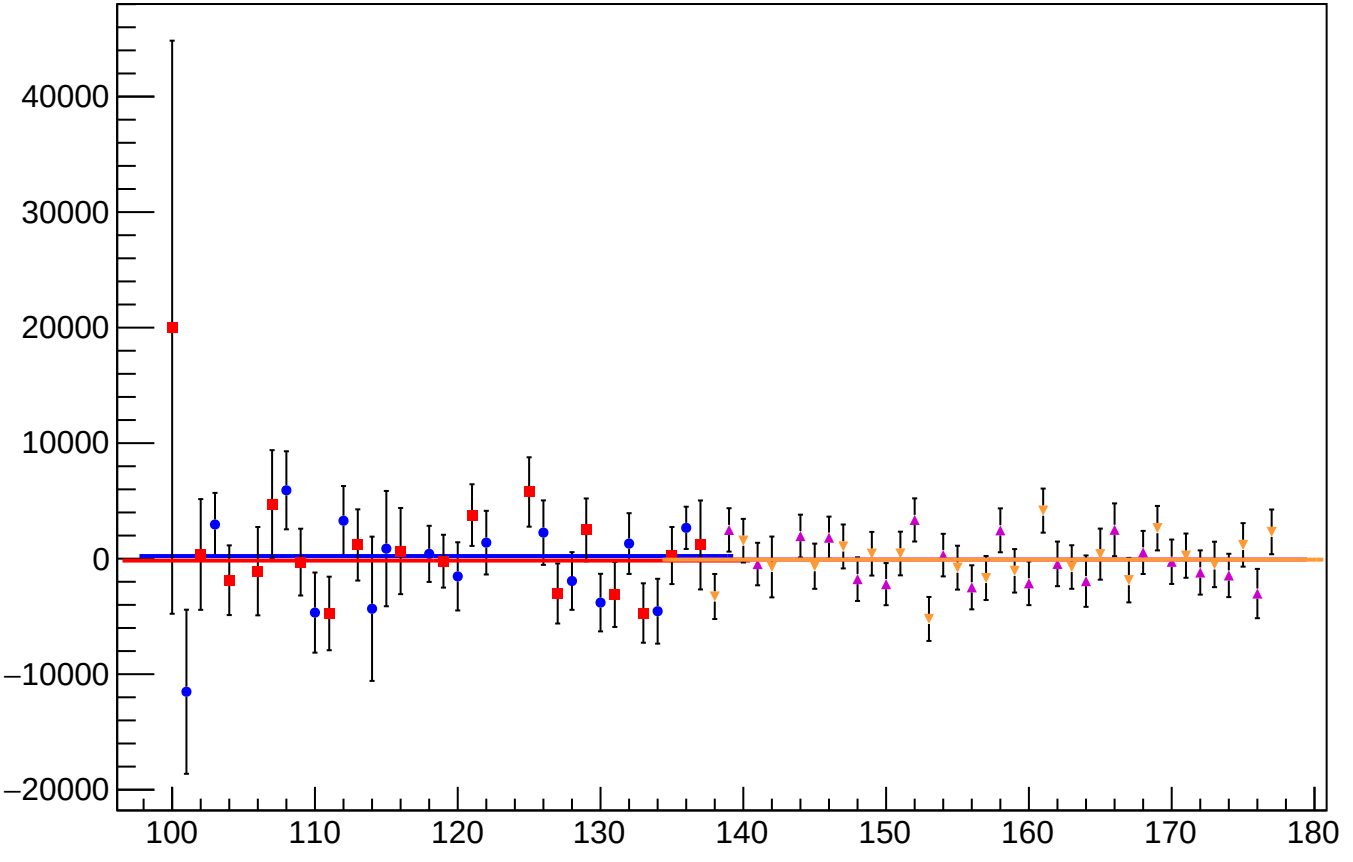
Left In: 506.495+/-0.104 χ^2/NDF:6885837.7/18

+ sign 462.357+/-0.081 χ^2/NDF: 11817508.1/35

All: 492.954+/-0.060 χ^2/NDF: 20049886.6/72

- sign 529.822+/-0.088 χ^2/NDF: 7913852.6/36

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -84.887+/-435.333 χ^2/NDF:22.5/19

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

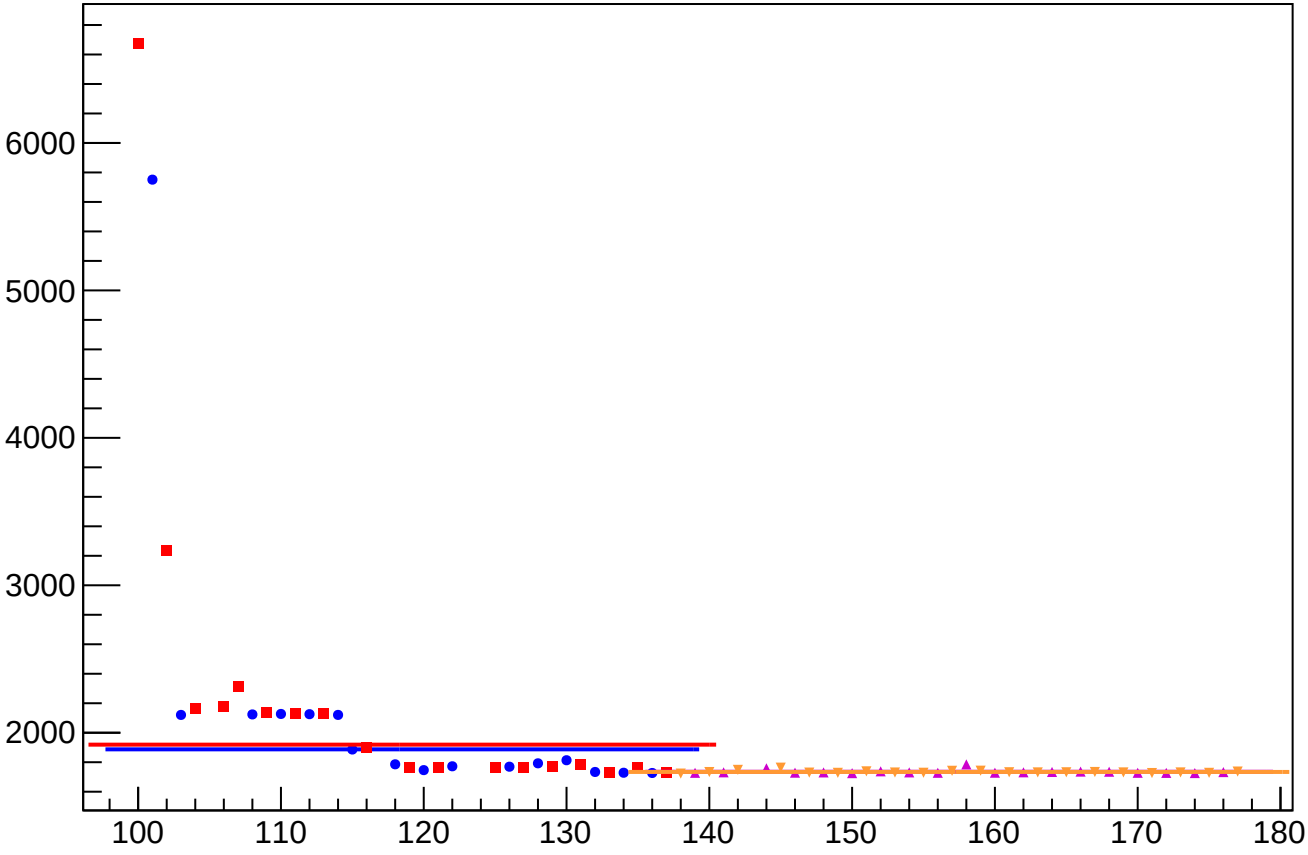
Left In: -73.215+/-440.175 χ^2/NDF:19.2/18

+ sign -1.354+/-372.332 χ^2/NDF: 42.0/35

All: -48.933+/-264.694 χ^2/NDF: 78.3/72

- sign -97.550+/-376.369 χ^2/NDF: 36.3/36

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.048+/-0.308 χ^2/NDF:778.0/19

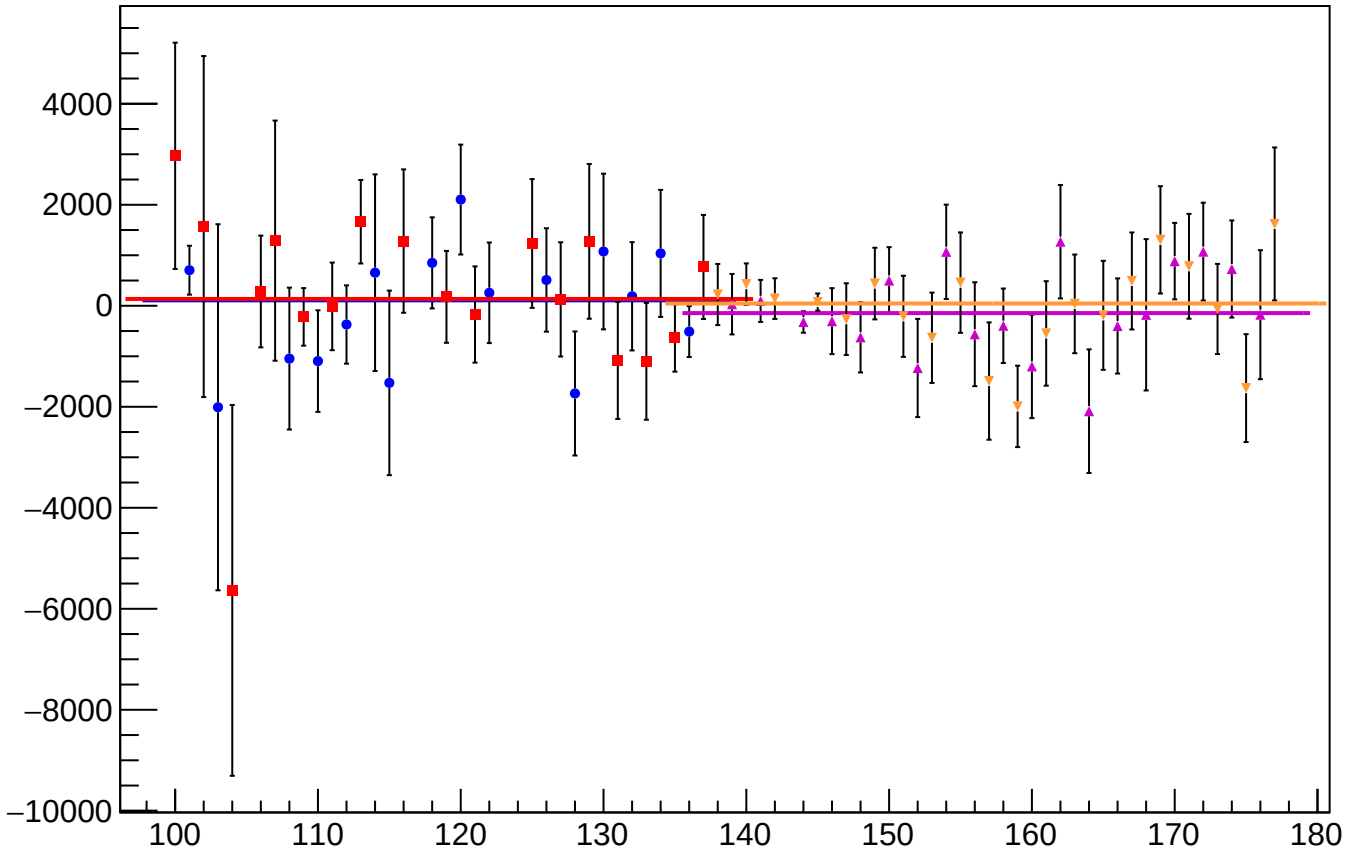
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.284+/-0.311 χ^2/NDF:2010.8/18

+ sign 1775.199+/-0.263 χ^2/NDF: 756777.4/35

All: 1779.913+/-0.187 χ^2/NDF: 1205855.8/72

- sign 1784.730+/-0.266 χ^2/NDF: 448430.2/36



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 45.258+/-121.555 χ^2/NDF:16.6/19

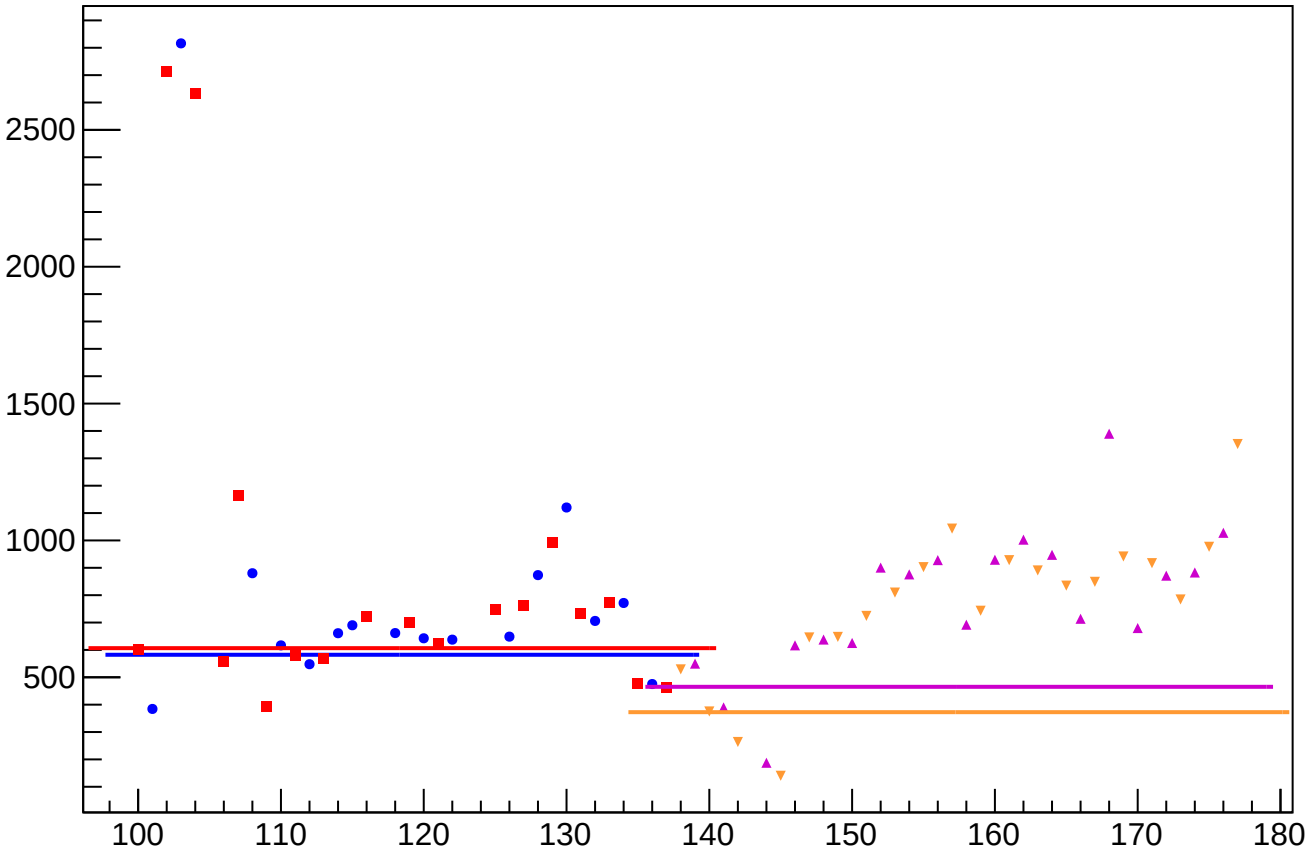
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -144.748+/-140.126 χ^2/NDF:15.3/18

+ sign 58.827+/-107.642 χ^2/NDF: 30.8/35

All: -0.369+/-80.643 χ^2/NDF: 62.1/72

- sign -76.100+/-121.750 χ^2/NDF: 30.6/36



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 372.565+/-0.086 χ^2/NDF:12139408.8/19

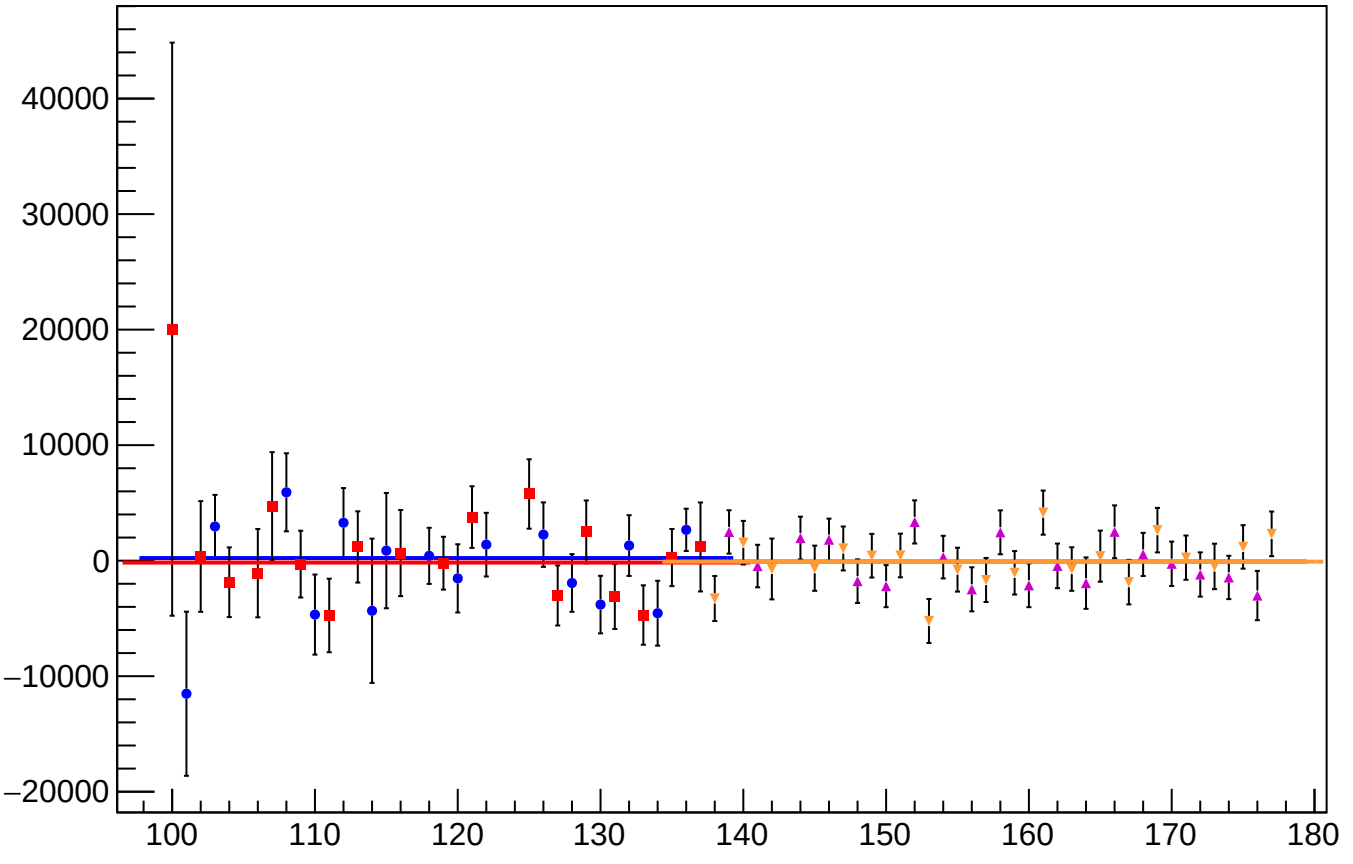
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 465.208+/-0.099 χ^2/NDF:8610498.9/18

+ sign 417.821+/-0.076 χ^2/NDF: 15178339.1/35

All: 453.798+/-0.057 χ^2/NDF: 26994467.6/72

- sign 499.824+/-0.086 χ^2/NDF: 11306897.7/36



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -84.890+/-435.333 χ^2/NDF:22.5/19

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

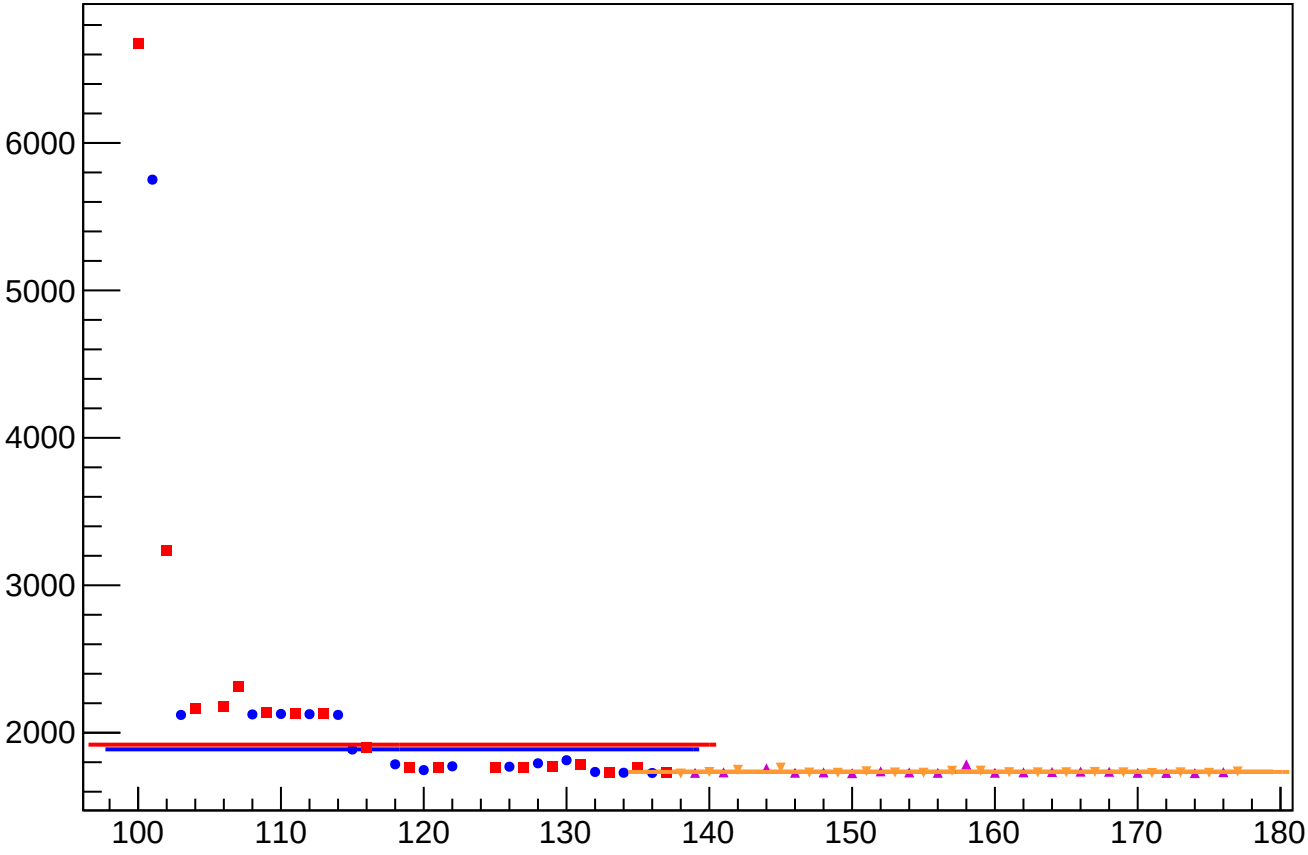
Left In: -73.216+/-440.175 χ^2/NDF:19.2/18

+ sign -1.356+/-372.332 χ^2/NDF: 42.0/35

All: -48.935+/-264.694 χ^2/NDF: 78.3/72

- sign -97.551+/-376.369 χ^2/NDF: 36.3/36

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: 1734.048+/-0.308 χ^2/NDF:778.0/19

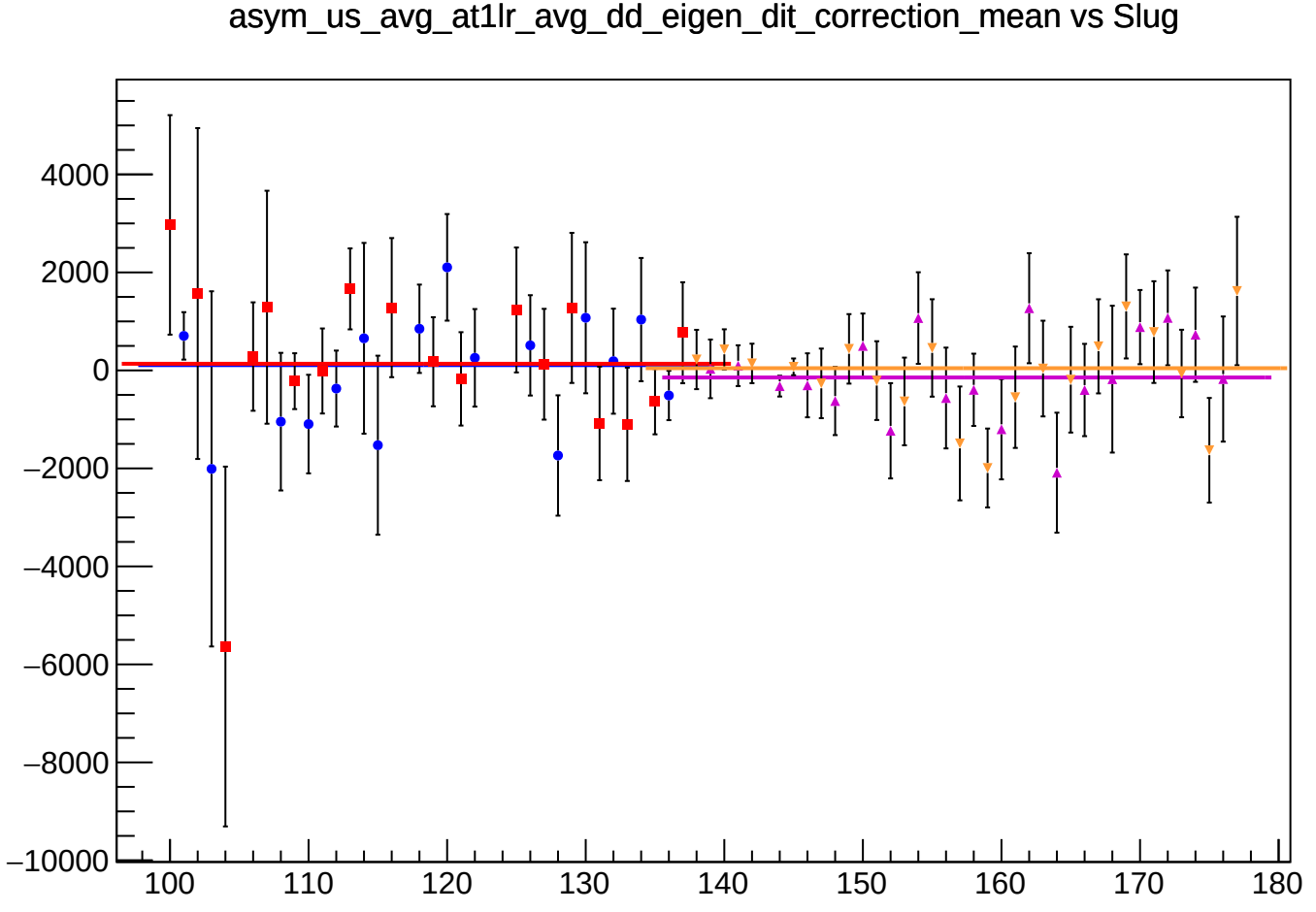
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.284+/-0.311 χ^2/NDF:2010.8/18

+ sign 1775.199+/-0.263 χ^2/NDF: 756777.0/35

All: 1779.913+/-0.187 χ^2/NDF: 1205854.6/72

- sign 1784.730+/-0.266 χ^2/NDF: 448429.3/36



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 45.257+/-121.555 χ^2/NDF:16.6/19

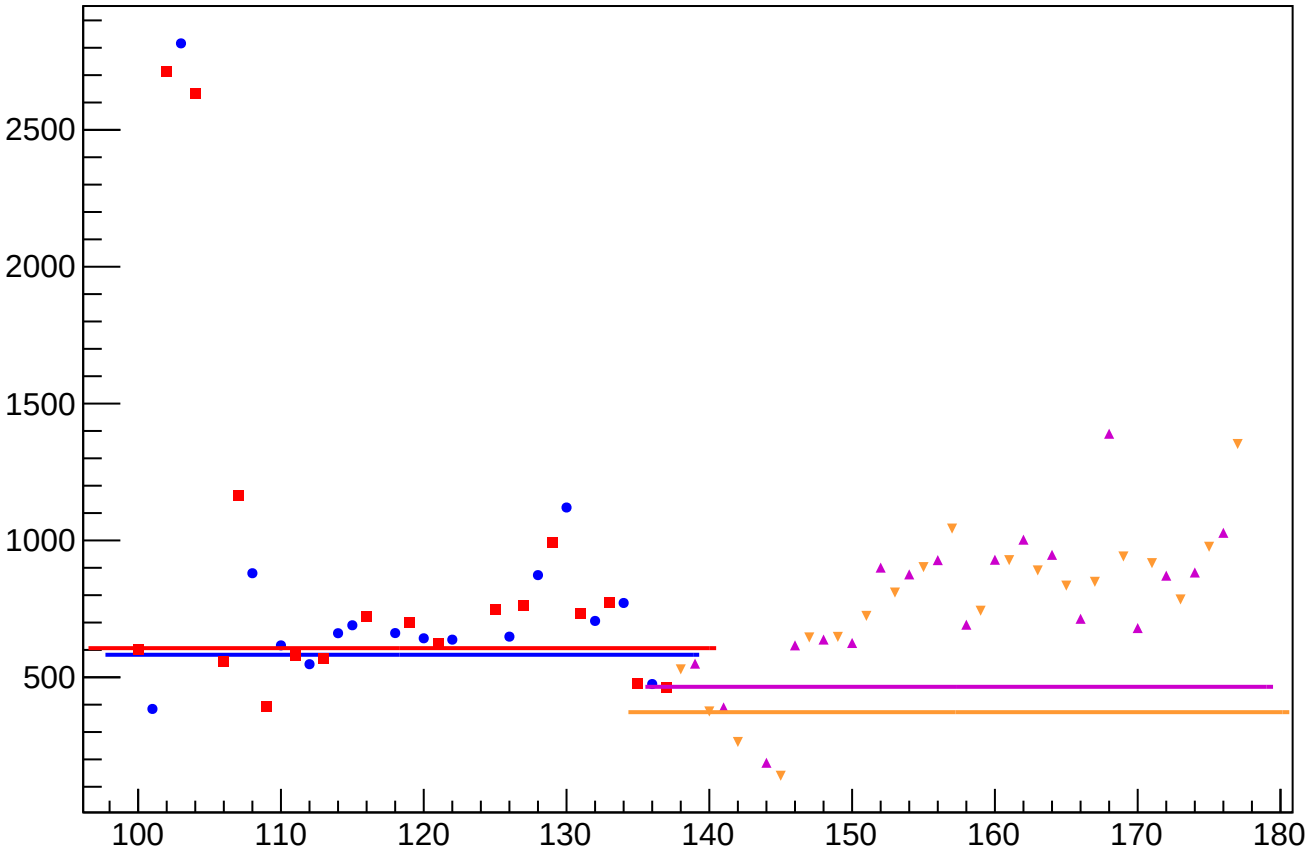
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -144.749+/-140.127 χ^2/NDF:15.3/18

+ sign 58.825+/-107.642 χ^2/NDF: 30.8/35

All: -0.370+/-80.643 χ^2/NDF: 62.1/72

- sign -76.100+/-121.751 χ^2/NDF: 30.6/36



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 372.565+/-0.086 χ^2/NDF:12139448.1/19

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

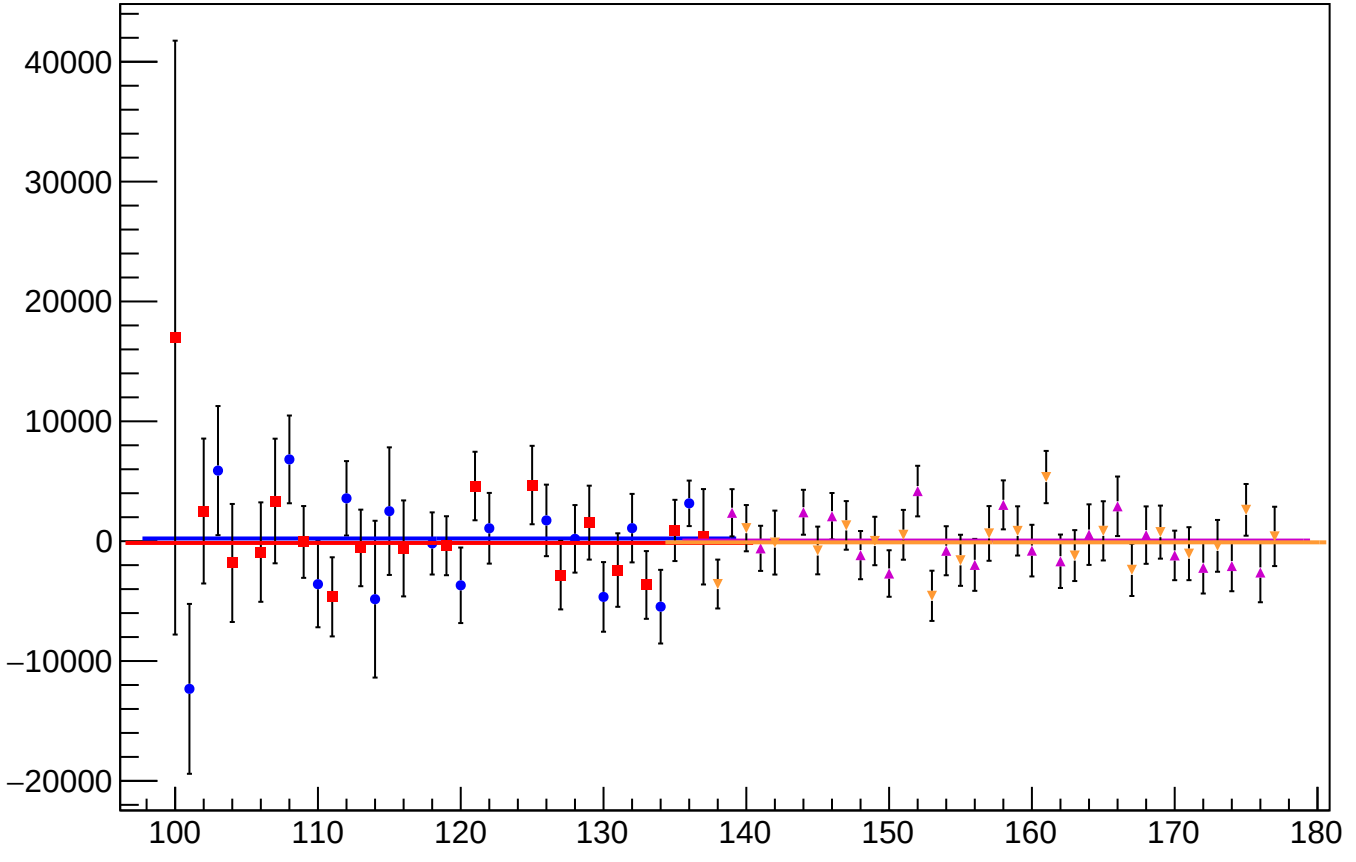
Left In: 465.209+/-0.099 χ^2/NDF:8610521.2/18

+ sign 417.821+/-0.076 χ^2/NDF: 15178351.3/35

All: 453.798+/-0.057 χ^2/NDF: 26994489.9/72

- sign 499.824+/-0.086 χ^2/NDF: 11306907.9/36

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -97.031+/-481.946 χ^2/NDF:19.1/19

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

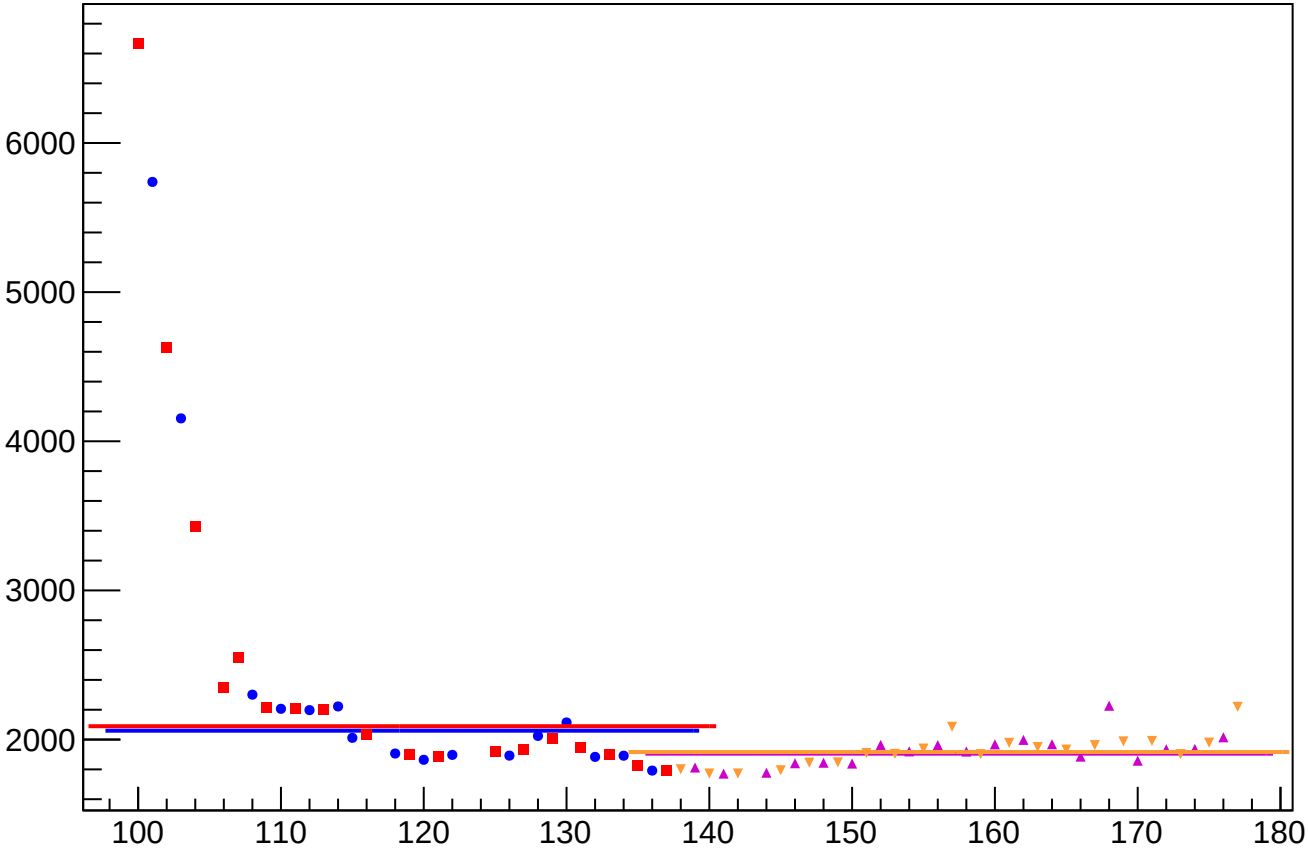
Left In: 50.619+/-484.060 χ^2/NDF:19.4/18

+ sign -10.087+/-411.665 χ^2/NDF: 40.4/35

All: -6.644+/-291.679 χ^2/NDF: 71.3/72

- sign -3.174+/-413.334 χ^2/NDF: 31.0/36

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1916.408+/-0.341 χ^2/NDF:86456.3/19

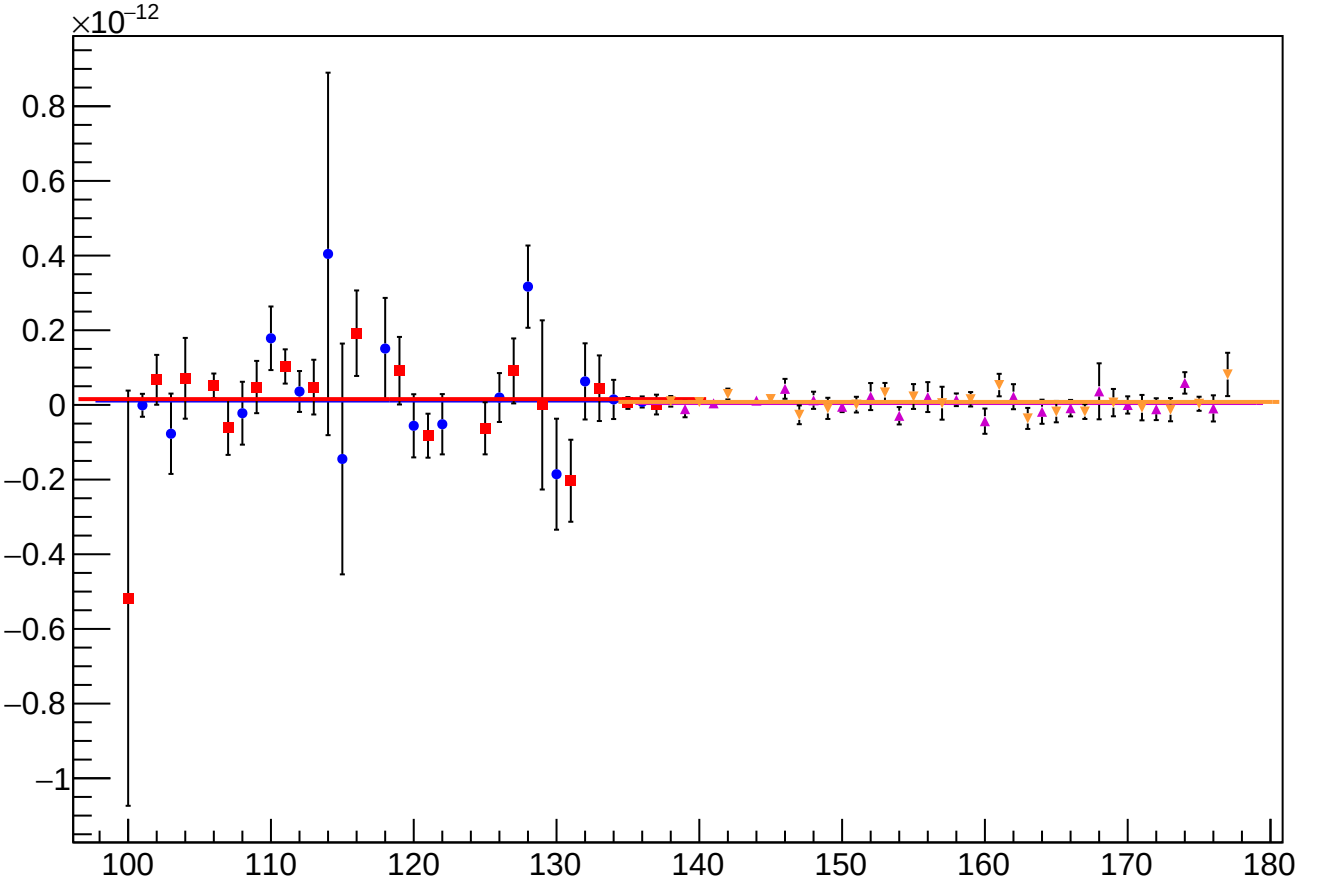
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1905.534+/-0.342 χ^2/NDF:81600.9/18

\+ sign 1955.098+/-0.291 χ^2/NDF: 1073998.3/35

All: 1955.228+/-0.206 χ^2/NDF: 1915293.6/72

\- sign 1955.359+/-0.292 χ^2/NDF: 841294.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/19

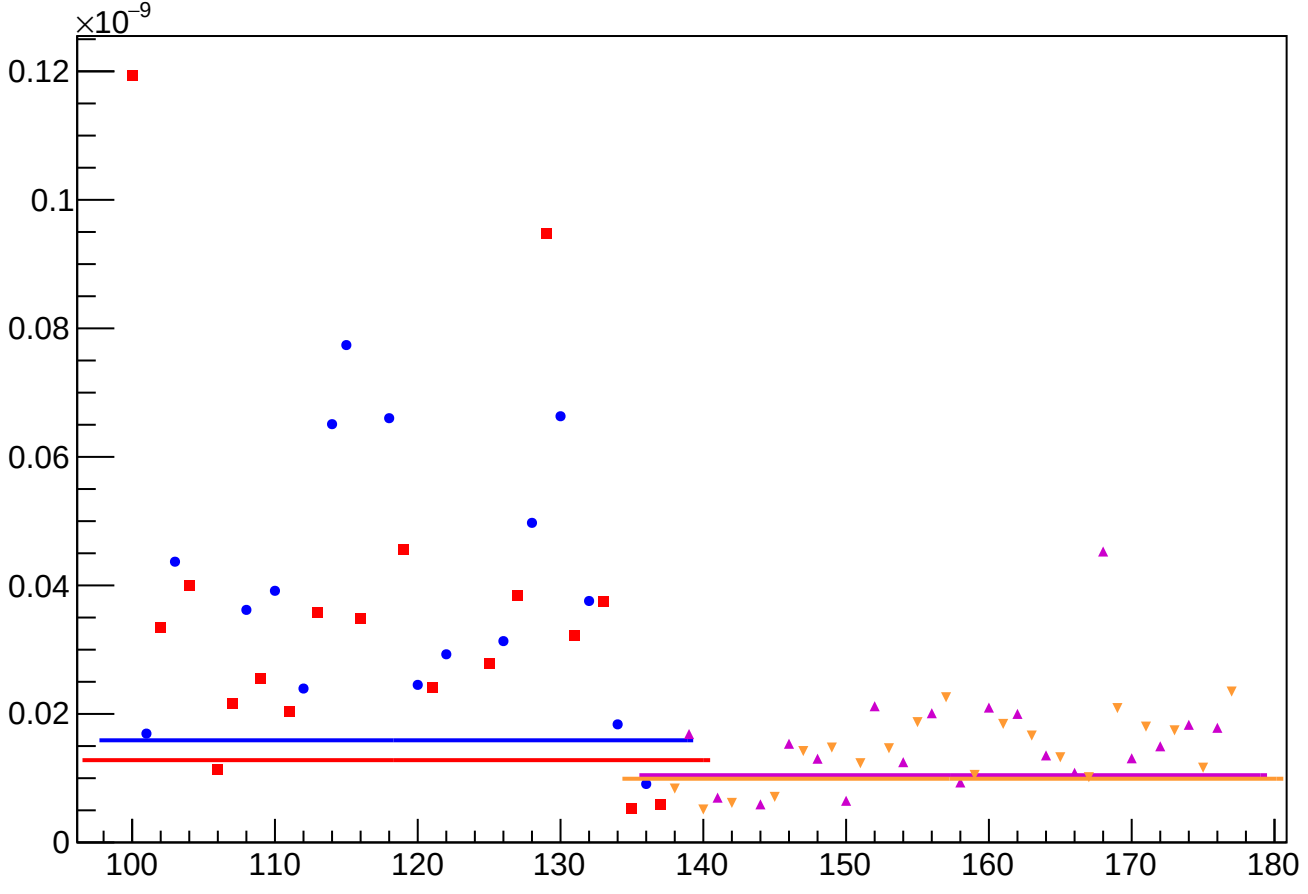
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:13.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/35

All: 0.000+/-0.000 χ^2/NDF: 69.5/72

- sign 0.000+/-0.000 χ^2/NDF: 35.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2117050.4/19

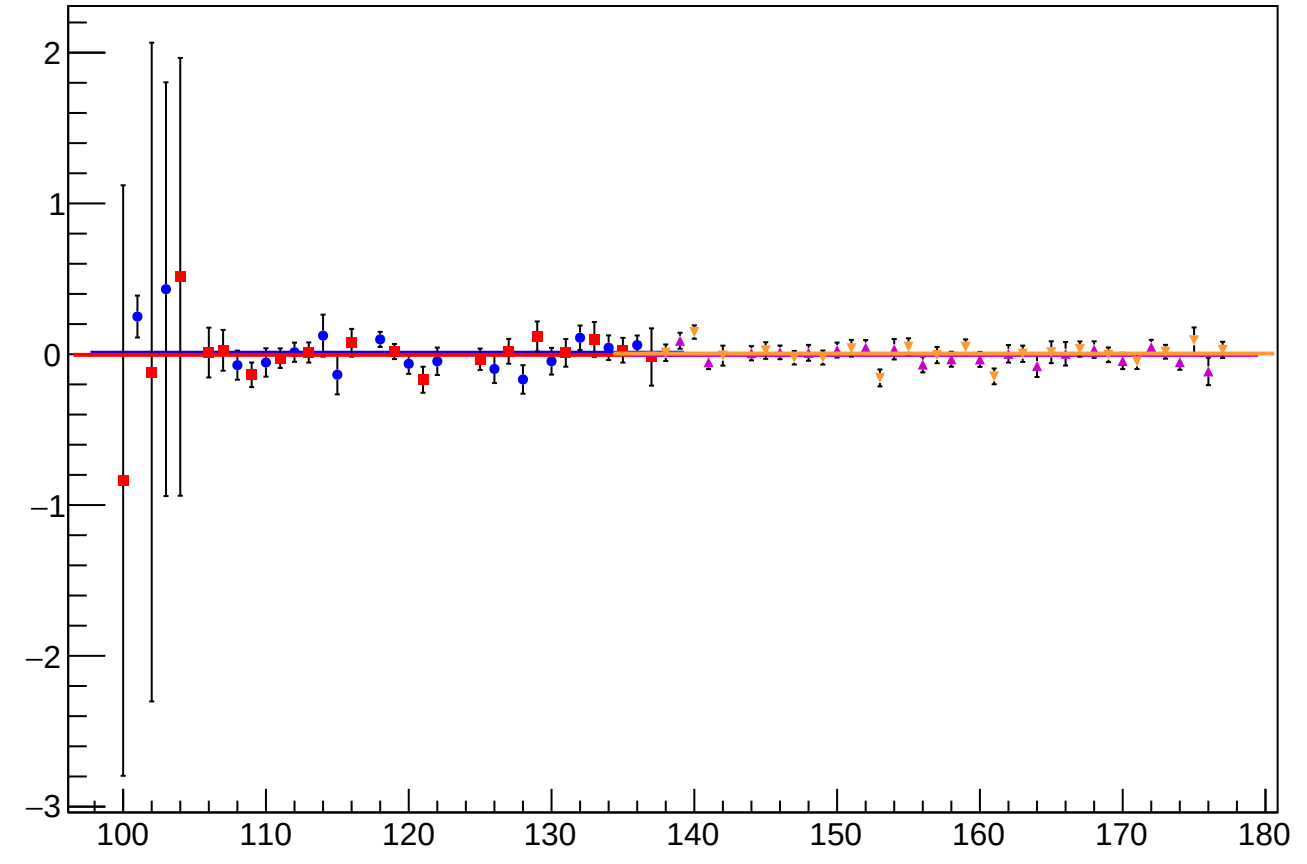
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2470202.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 4517126.0/35

All: 0.000+/-0.000 χ^2/NDF: 9555088.0/72

- sign 0.000+/-0.000 χ^2/NDF: 5036603.5/36



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.005+/-0.012 χ^2/NDF:32.5/19

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

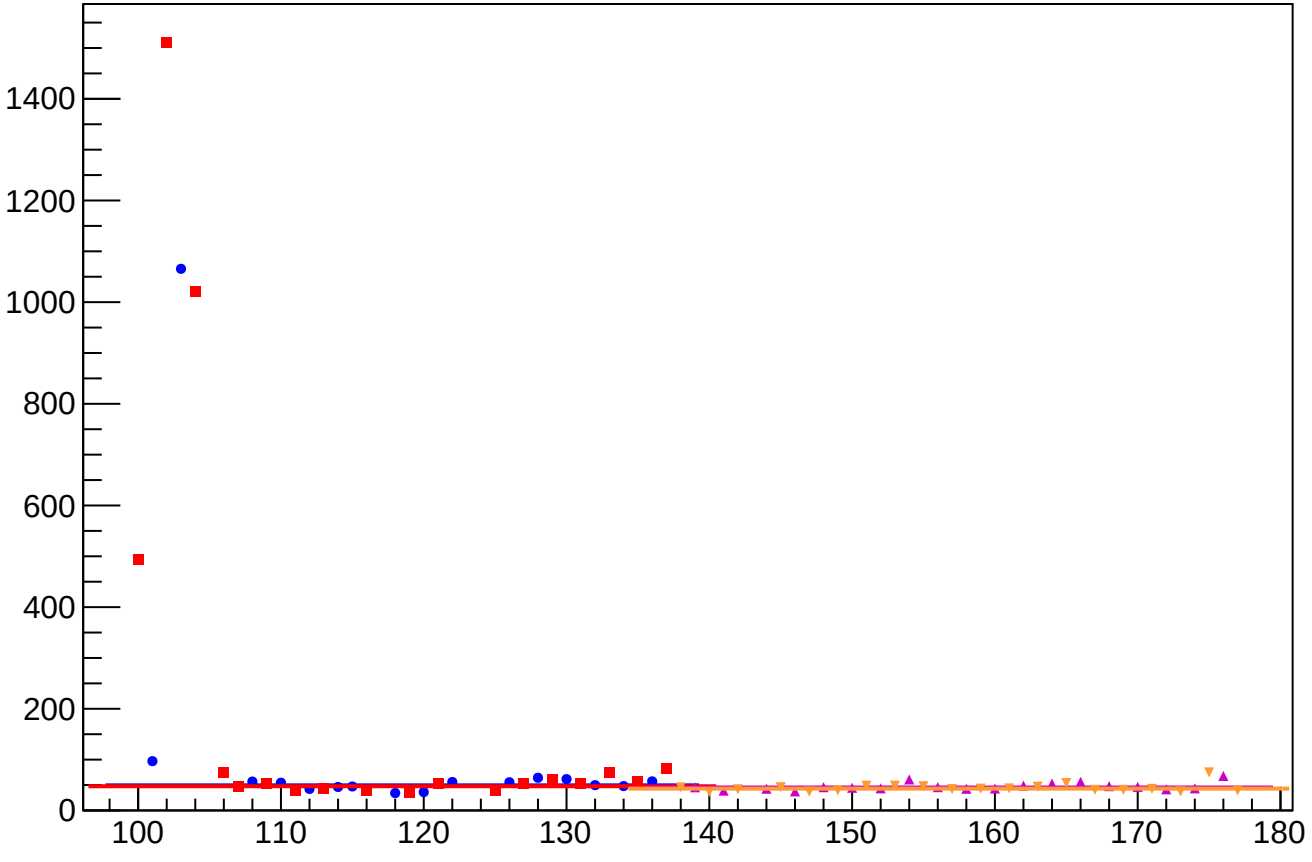
Left In: -0.005+/-0.012 χ^2/NDF:13.9/18

+ sign 0.006+/-0.010 χ^2/NDF: 50.9/35

All: 0.001+/-0.007 χ^2/NDF: 75.8/72

- sign -0.004+/-0.011 χ^2/NDF: 24.4/36

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.968+/-0.008 χ^2/NDF:537371.2/19

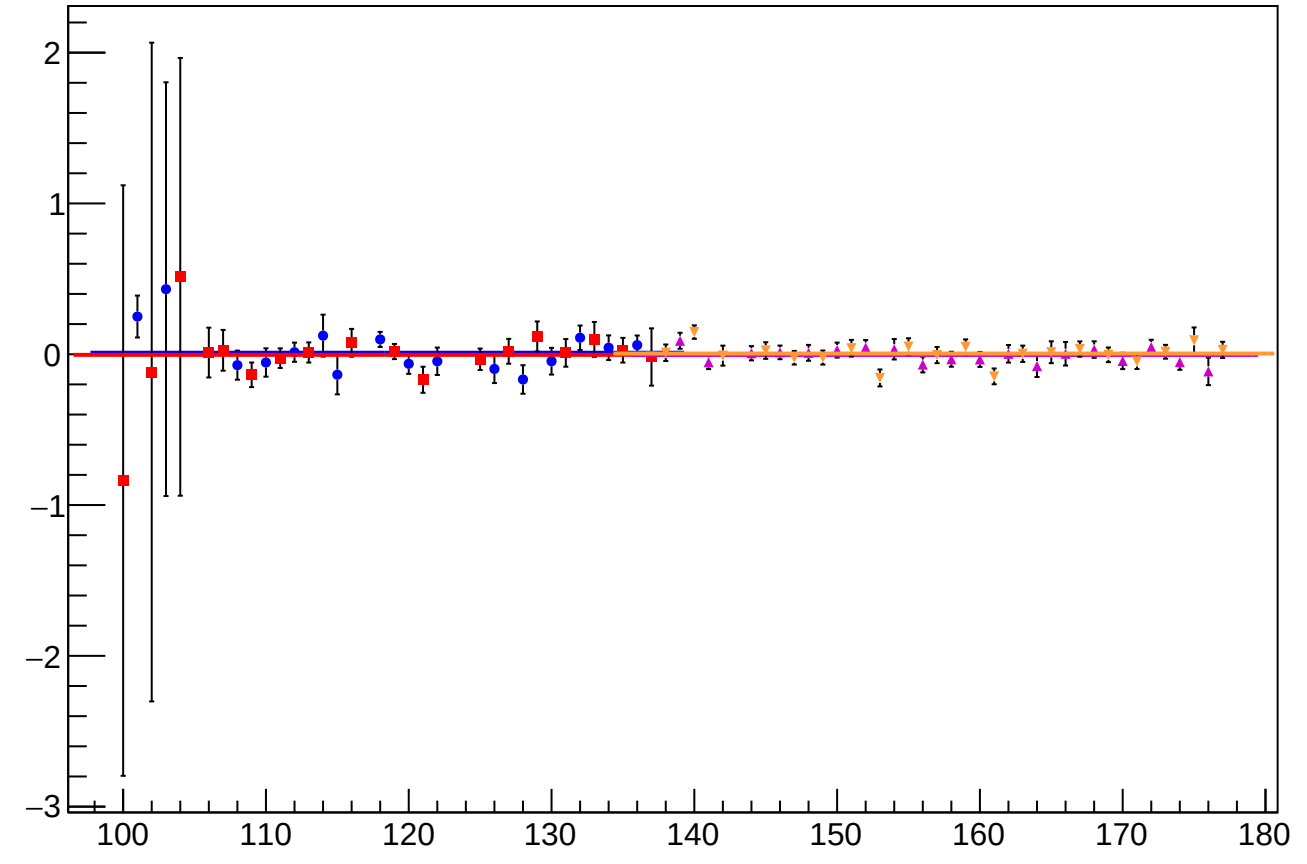
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.153+/-0.009 χ^2/NDF:433090.3/18

\+ sign 44.509+/-0.007 χ^2/NDF: 2454217.6/35

All: 45.111+/-0.005 χ^2/NDF: 5339189.6/72

\- sign 45.758+/-0.008 χ^2/NDF: 2870813.7/36



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.005+/-0.012 χ^2/NDF:32.5/19

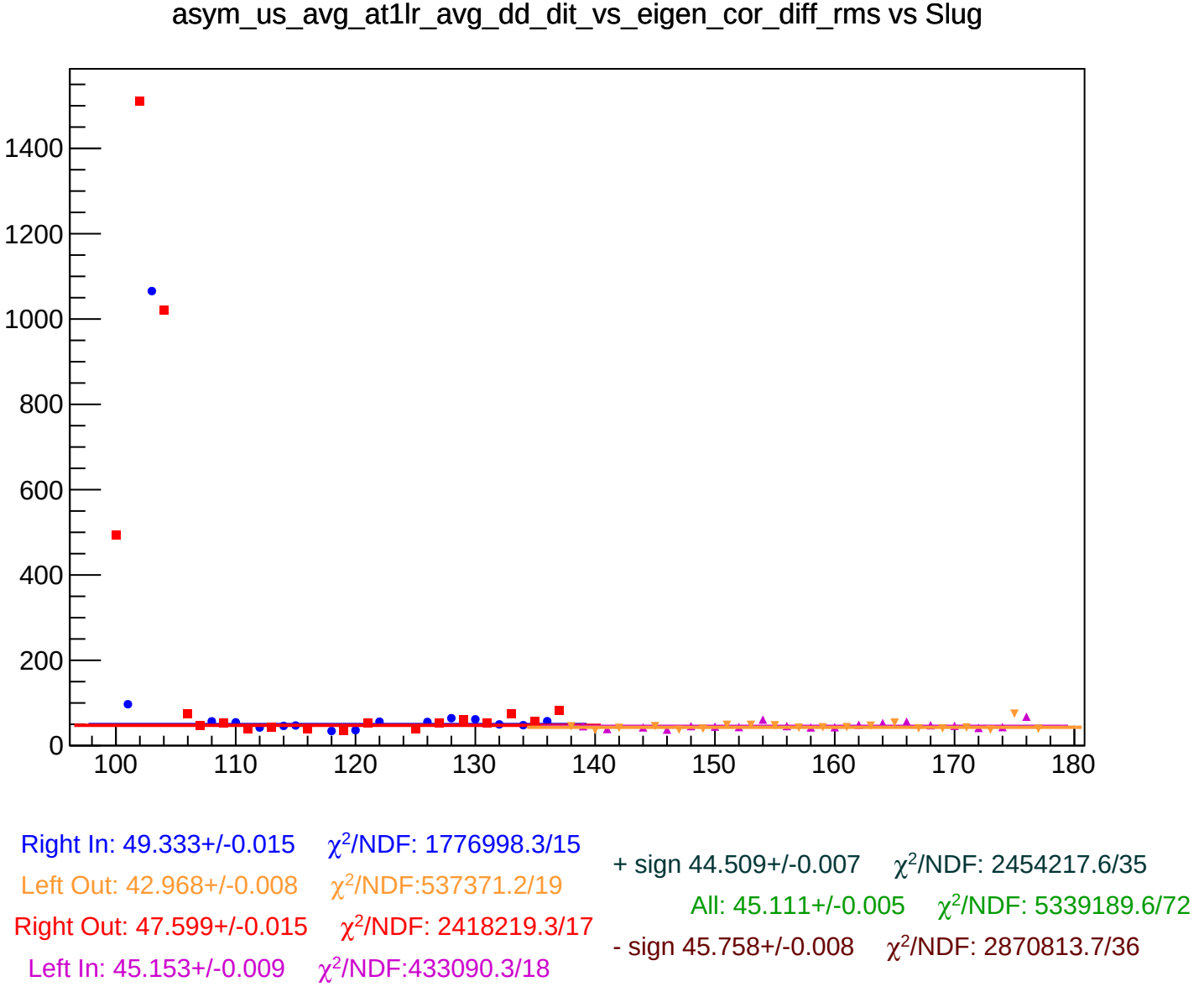
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

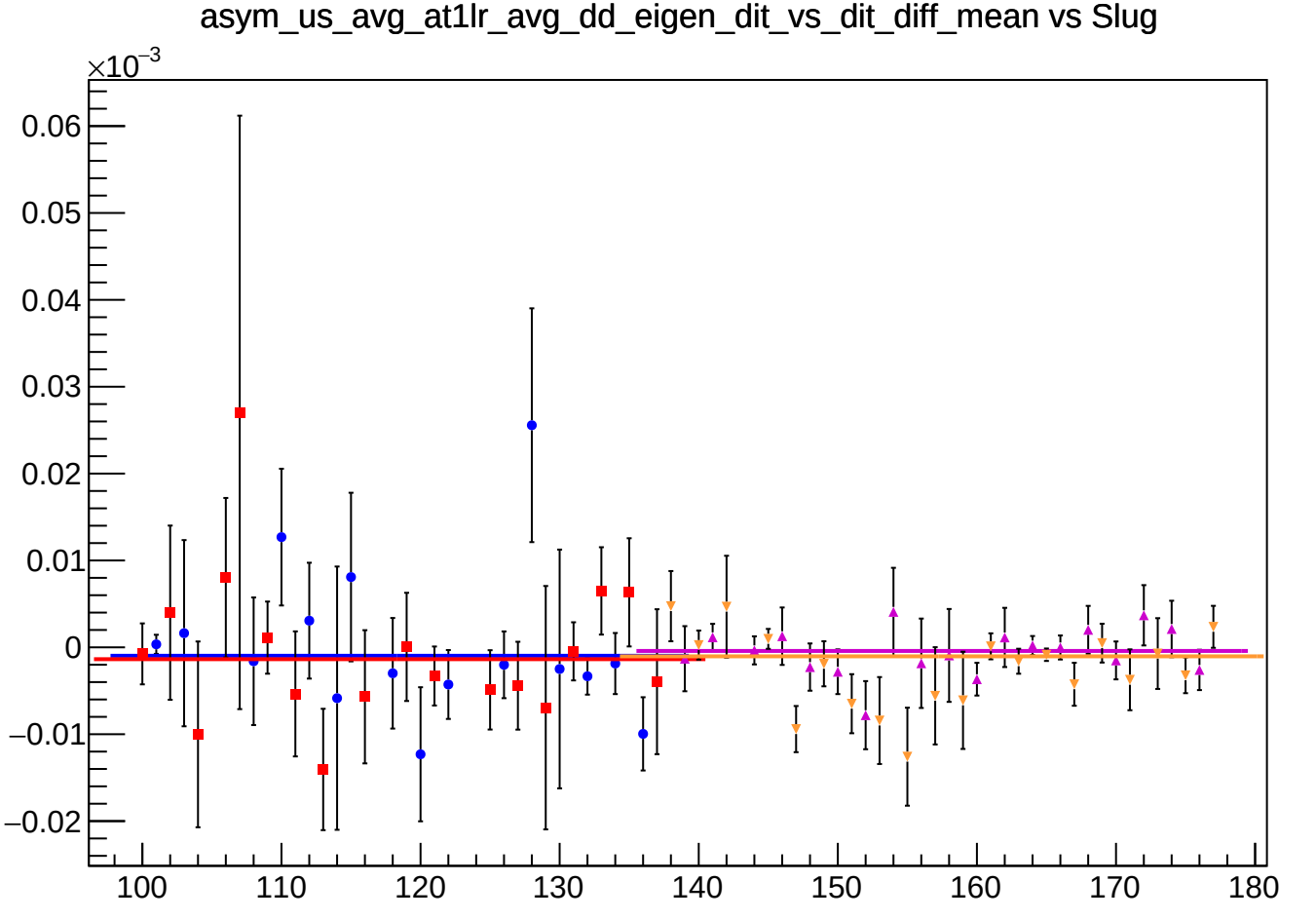
Left In: -0.005+/-0.012 χ^2/NDF:13.9/18

+ sign 0.006+/-0.010 χ^2/NDF: 50.9/35

All: 0.001+/-0.007 χ^2/NDF: 75.8/72

- sign -0.004+/-0.011 χ^2/NDF: 24.4/36


asym_us_avg_at1lr_avg_dd_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: 1776998.3/15
Left Out: 42.968+/-0.008 χ²/NDF:537371.2/19
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 45.153+/-0.009 χ²/NDF:433090.3/18
+ sign 44.509+/-0.007 χ²/NDF: 2454217.6/35
All: 45.111+/-0.005 χ²/NDF: 5339189.6/72
- sign 45.758+/-0.008 χ²/NDF: 2870813.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/19

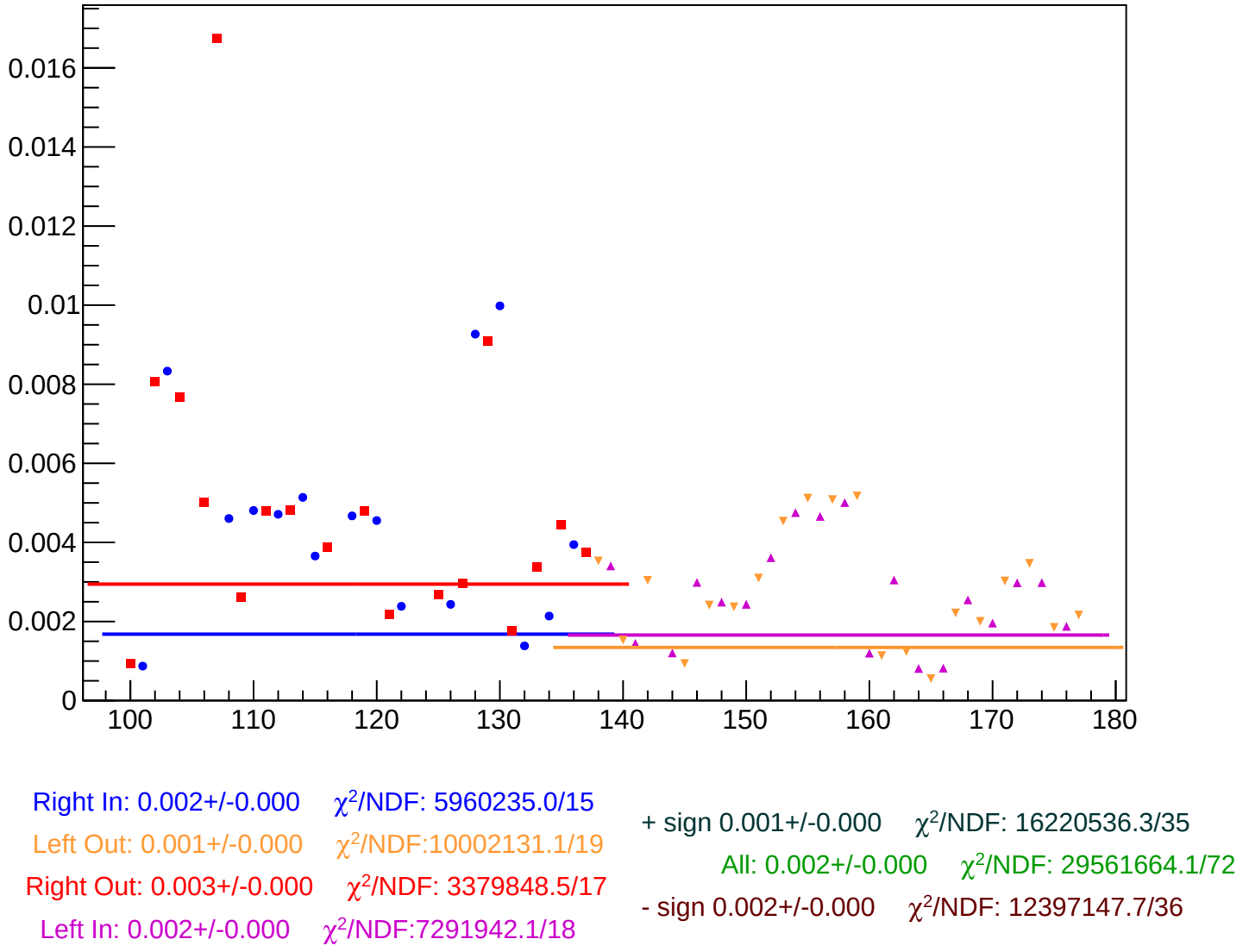
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:14.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 52.5/35

All: -0.000+/-0.000 χ^2/NDF: 80.8/72

- sign -0.000+/-0.000 χ^2/NDF: 27.7/36


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
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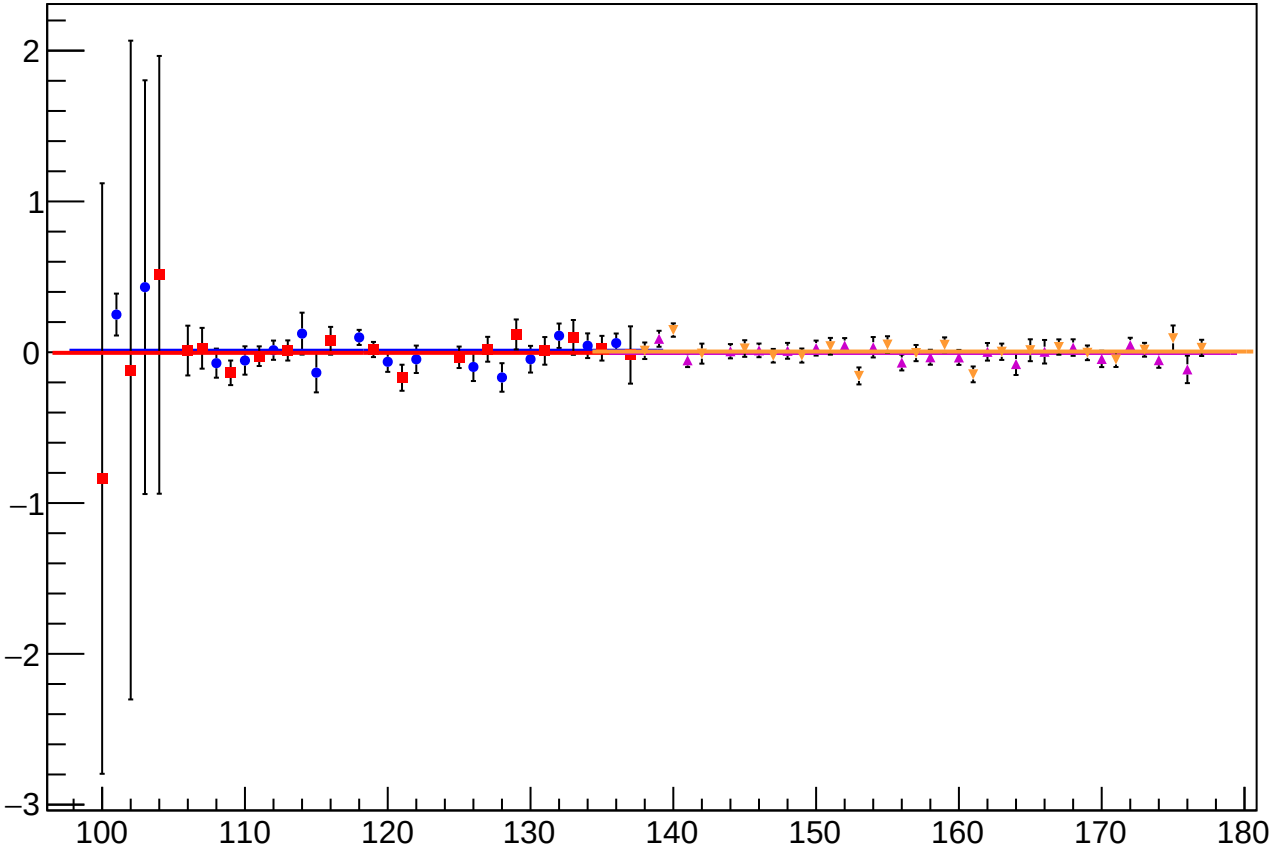
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.001+/-0.000 χ²/NDF:10002131.1/19
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:7291942.1/18
+ sign 0.001+/-0.000 χ²/NDF: 16220536.3/35
All: 0.002+/-0.000 χ²/NDF: 29561664.1/72
- sign 0.002+/-0.000 χ²/NDF: 12397147.7/36

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: 0.005+/-0.012 χ^2/NDF:32.5/19

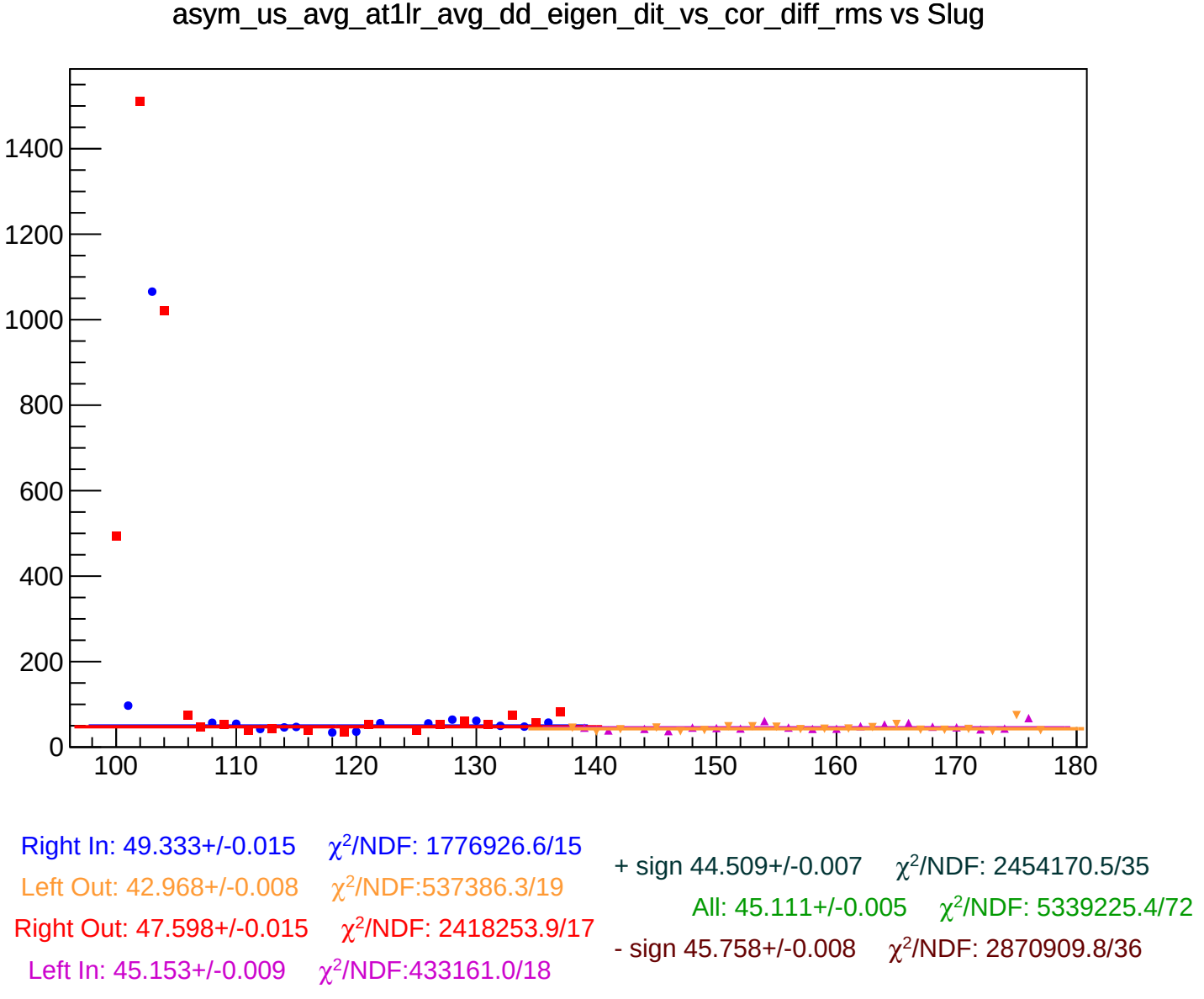
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.005+/-0.012 χ^2/NDF:13.9/18

+ sign 0.006+/-0.010 χ^2/NDF: 50.9/35

All: 0.001+/-0.007 χ^2/NDF: 75.8/72

- sign -0.004+/-0.011 χ^2/NDF: 24.4/36


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
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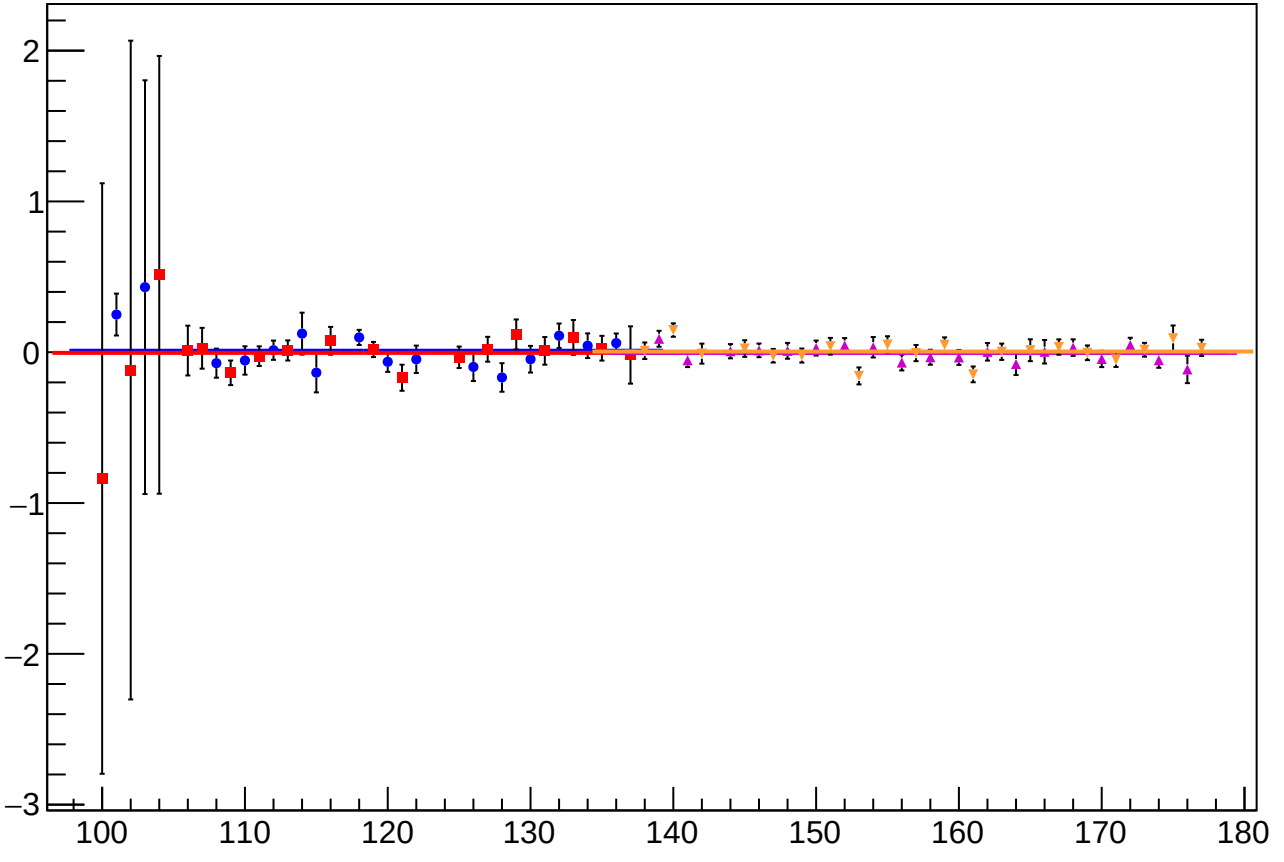
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.968+/-0.008 χ²/NDF:537386.3/19
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 45.153+/-0.009 χ²/NDF:433161.0/18
+ sign 44.509+/-0.007 χ²/NDF: 2454170.5/35
All: 45.111+/-0.005 χ²/NDF: 5339225.4/72
- sign 45.758+/-0.008 χ²/NDF: 2870909.8/36

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: 0.005+/-0.012 χ^2/NDF:32.5/19

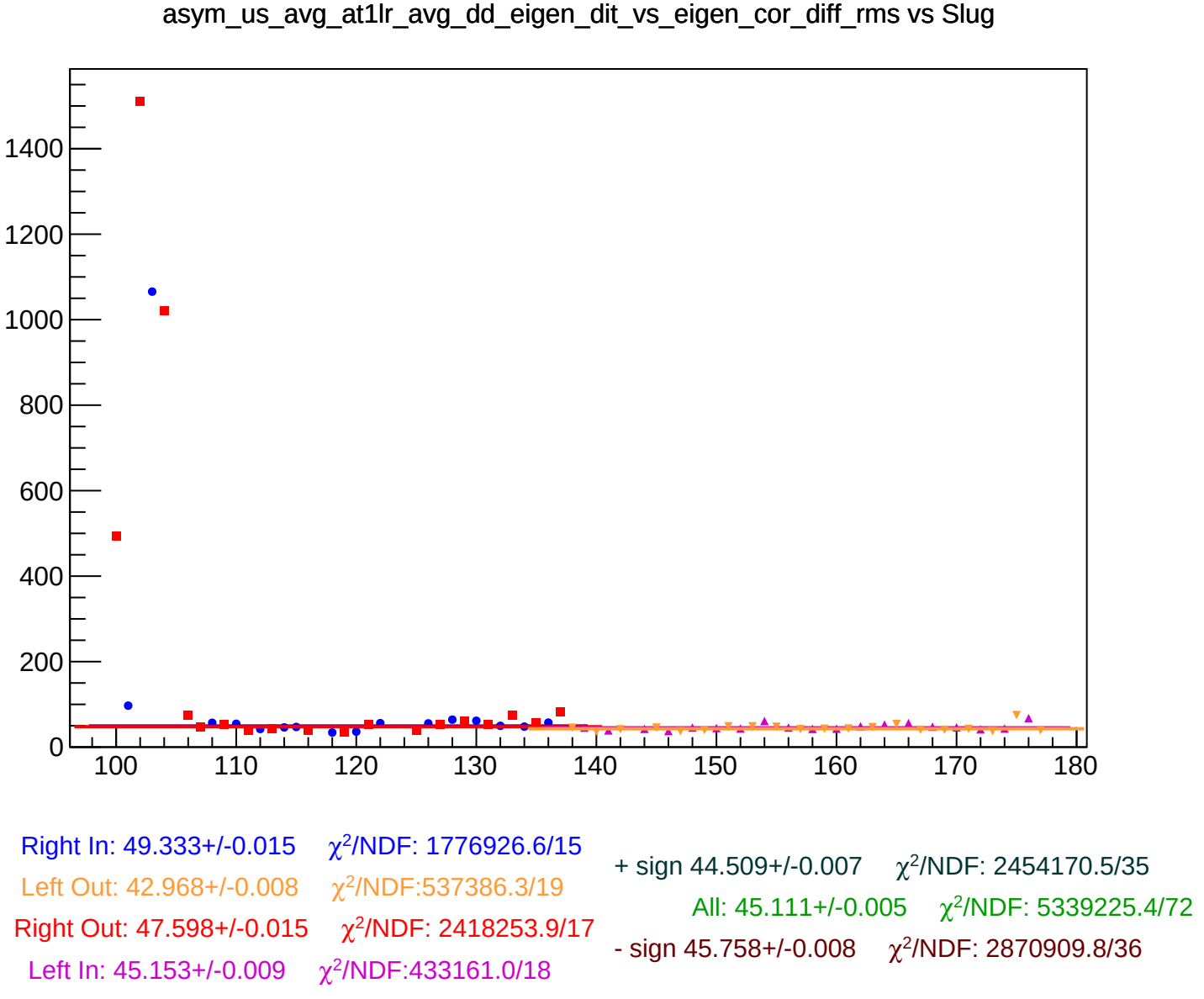
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.005+/-0.012 χ^2/NDF:13.9/18

+ sign 0.006+/-0.010 χ^2/NDF: 50.9/35

All: 0.001+/-0.007 χ^2/NDF: 75.8/72

- sign -0.004+/-0.011 χ^2/NDF: 24.4/36


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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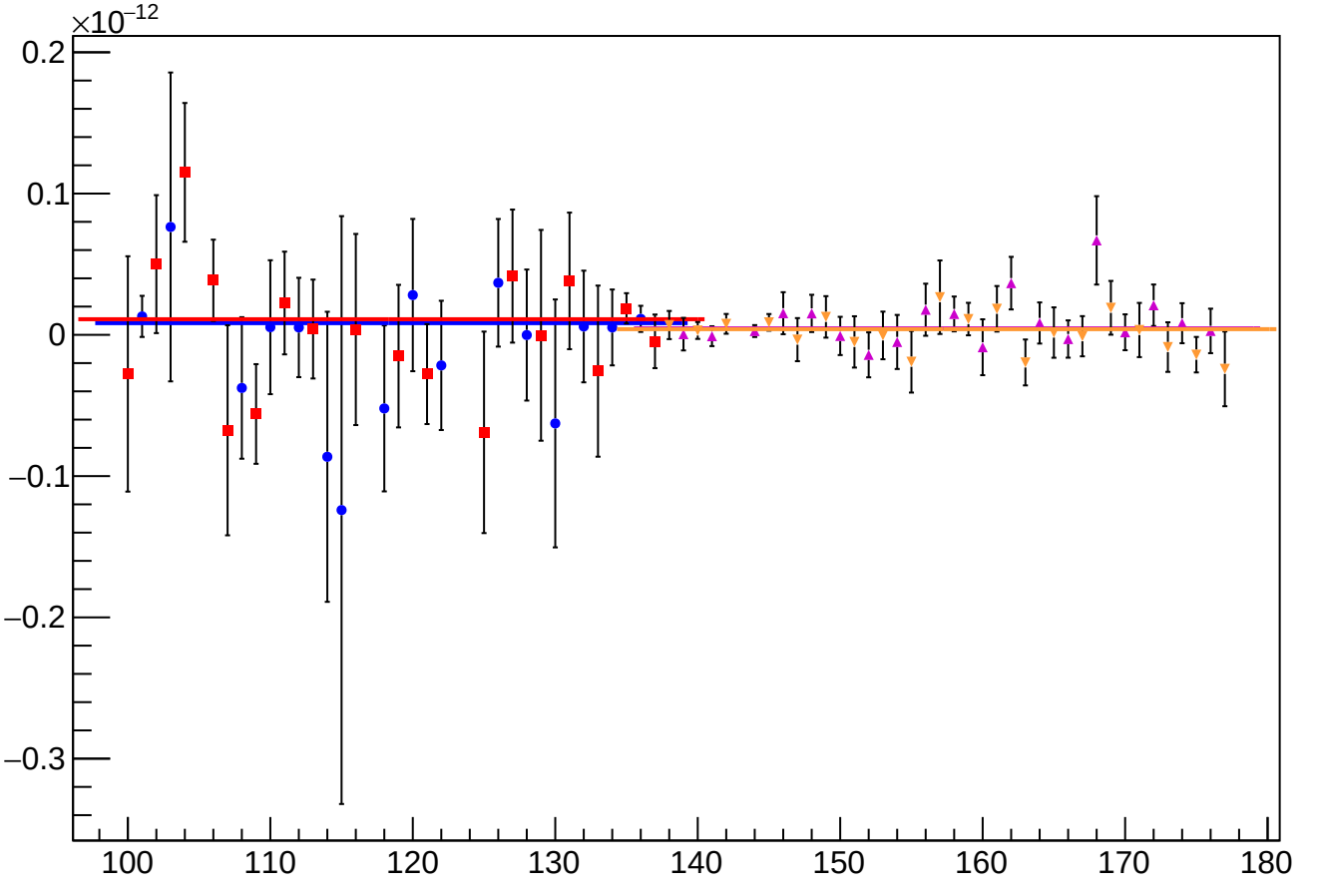
170
180
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.968+/-0.008 χ²/NDF:537386.3/19
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 45.153+/-0.009 χ²/NDF:433161.0/18
+ sign 44.509+/-0.007 χ²/NDF: 2454170.5/35
All: 45.111+/-0.005 χ²/NDF: 5339225.4/72
- sign 45.758+/-0.008 χ²/NDF: 2870909.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/19

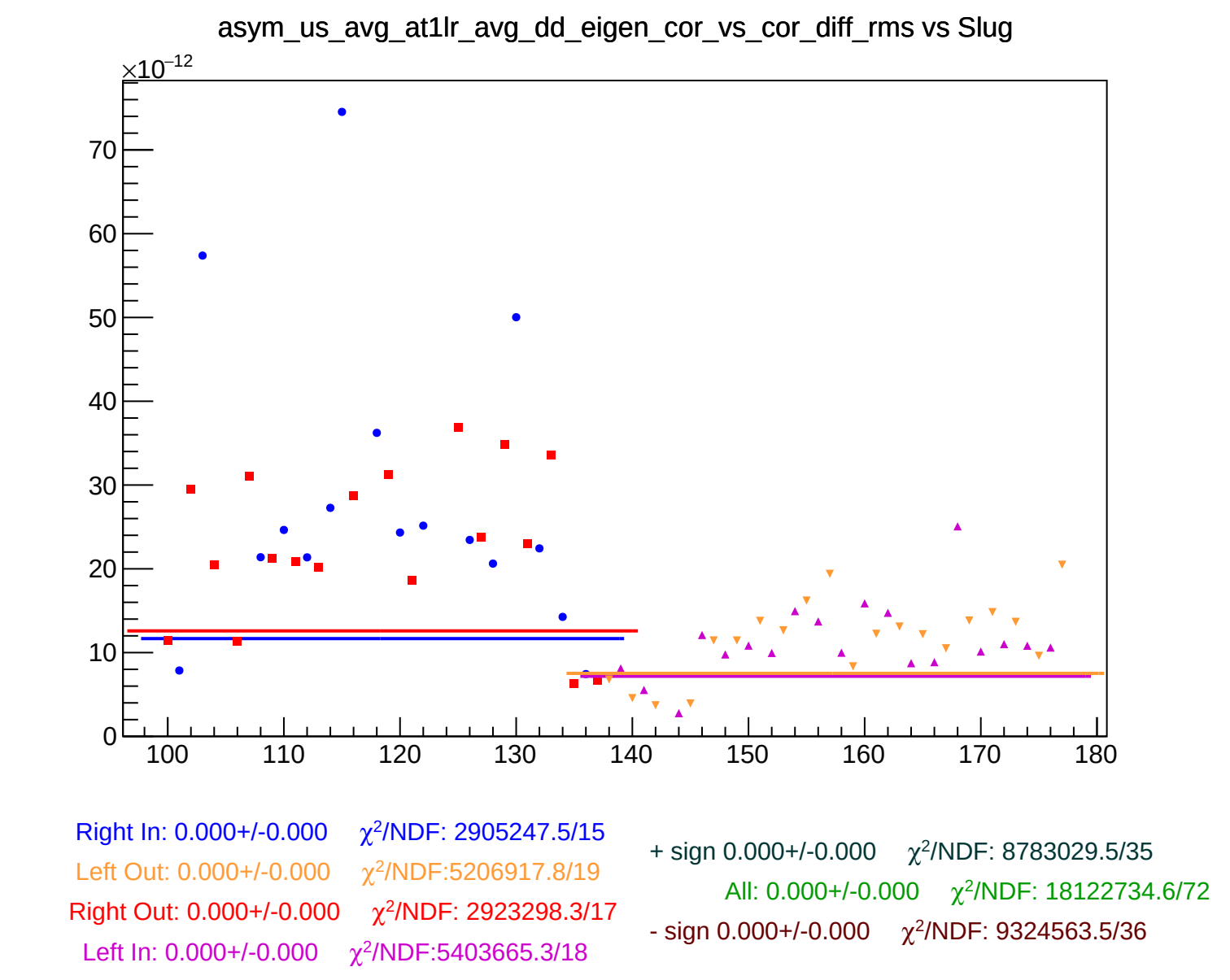
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:14.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 17.4/35

All: 0.000+/-0.000 χ^2/NDF: 48.6/72

- sign 0.000+/-0.000 χ^2/NDF: 31.2/36


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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70
100
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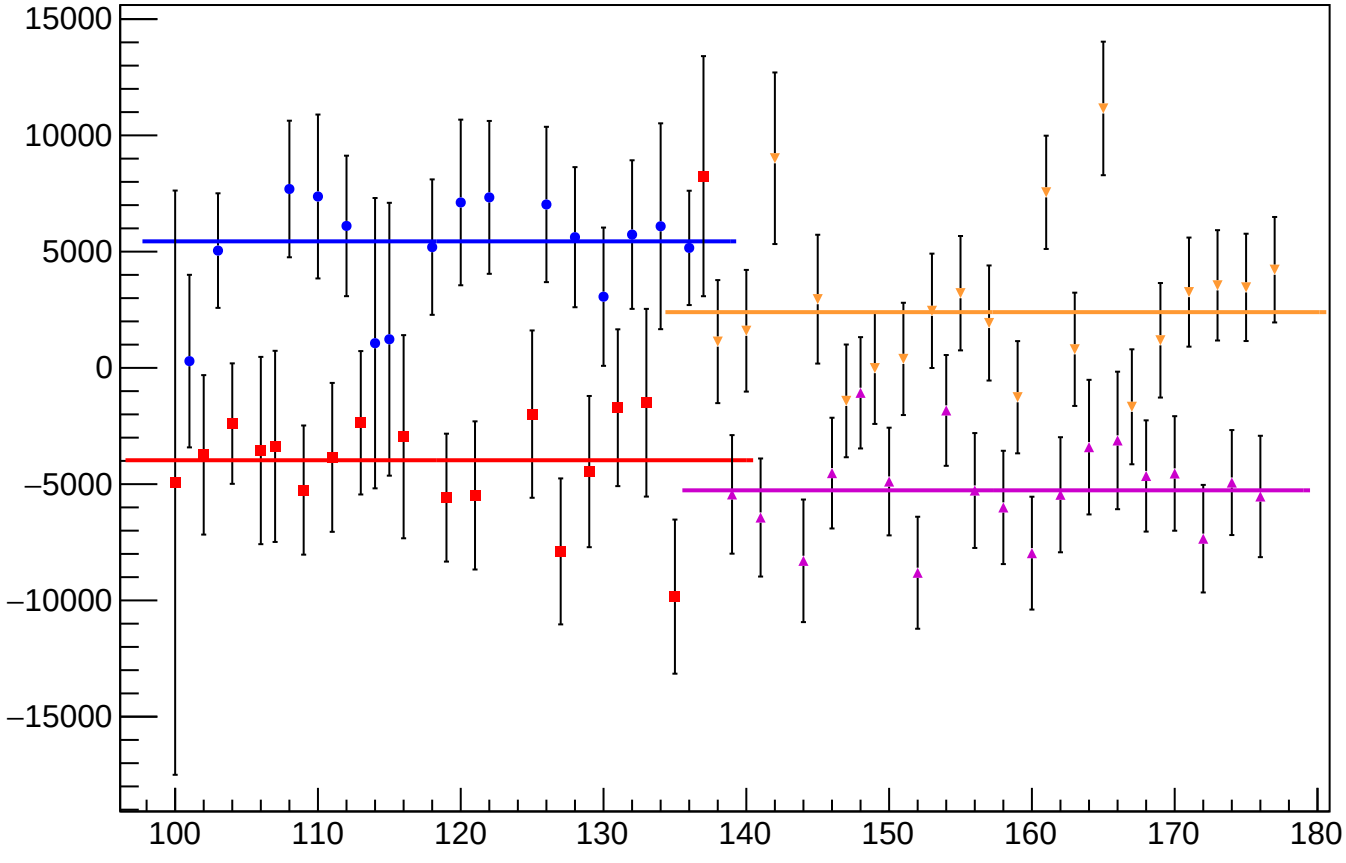
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5206917.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5403665.3/18
+ sign 0.000+/-0.000 χ²/NDF: 8783029.5/35
All: 0.000+/-0.000 χ²/NDF: 18122734.6/72
- sign 0.000+/-0.000 χ²/NDF: 9324563.5/36

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2397.652+/-558.849 χ^2/NDF:28.6/19

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

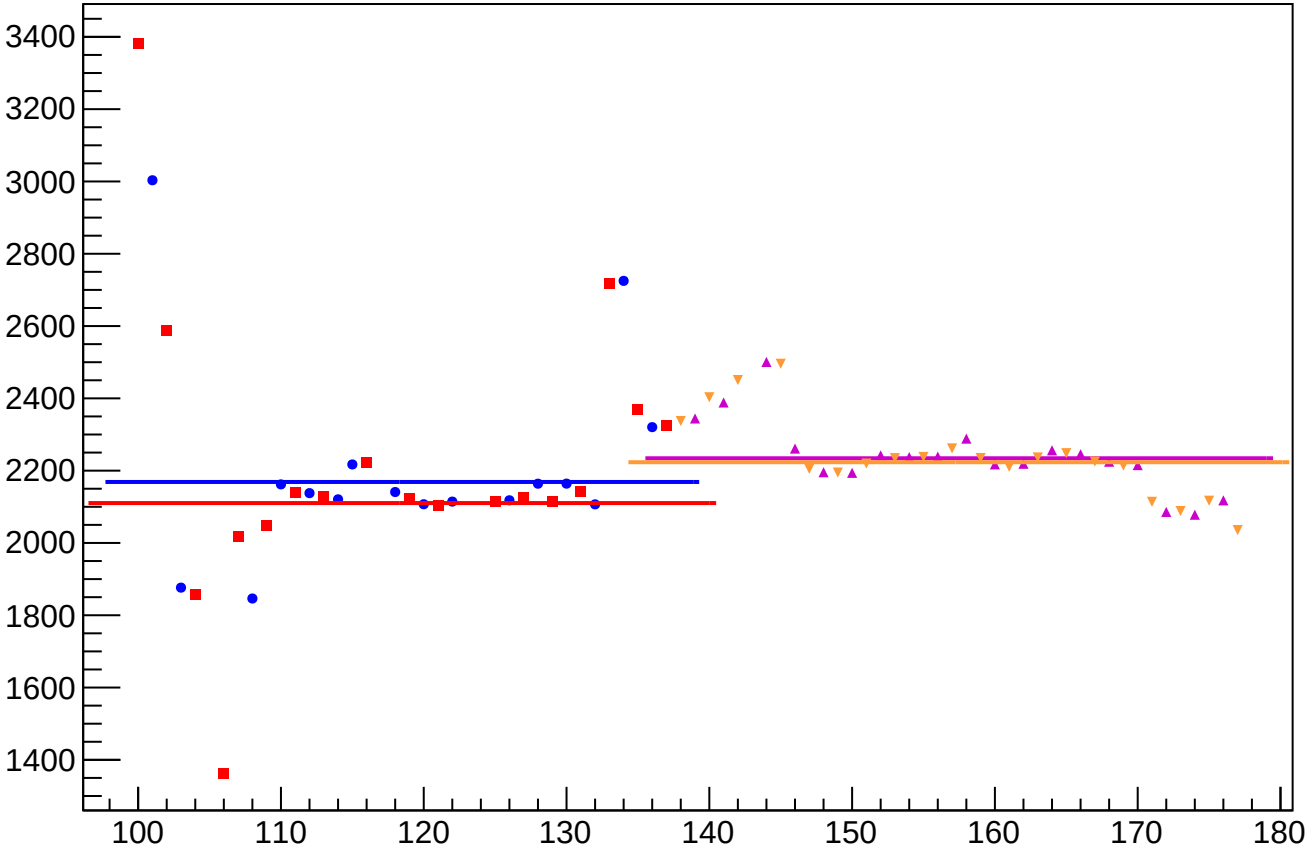
Left In: -5265.569+/-567.301 χ^2/NDF:12.2/18

+ sign 3375.409+/-460.453 χ^2/NDF: 43.5/35

All: -696.029+/-327.006 χ^2/NDF: 228.2/72

- sign -4839.085+/-464.486 χ^2/NDF: 26.9/36

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2223.333+/-0.395 χ^2/NDF:70203.5/19

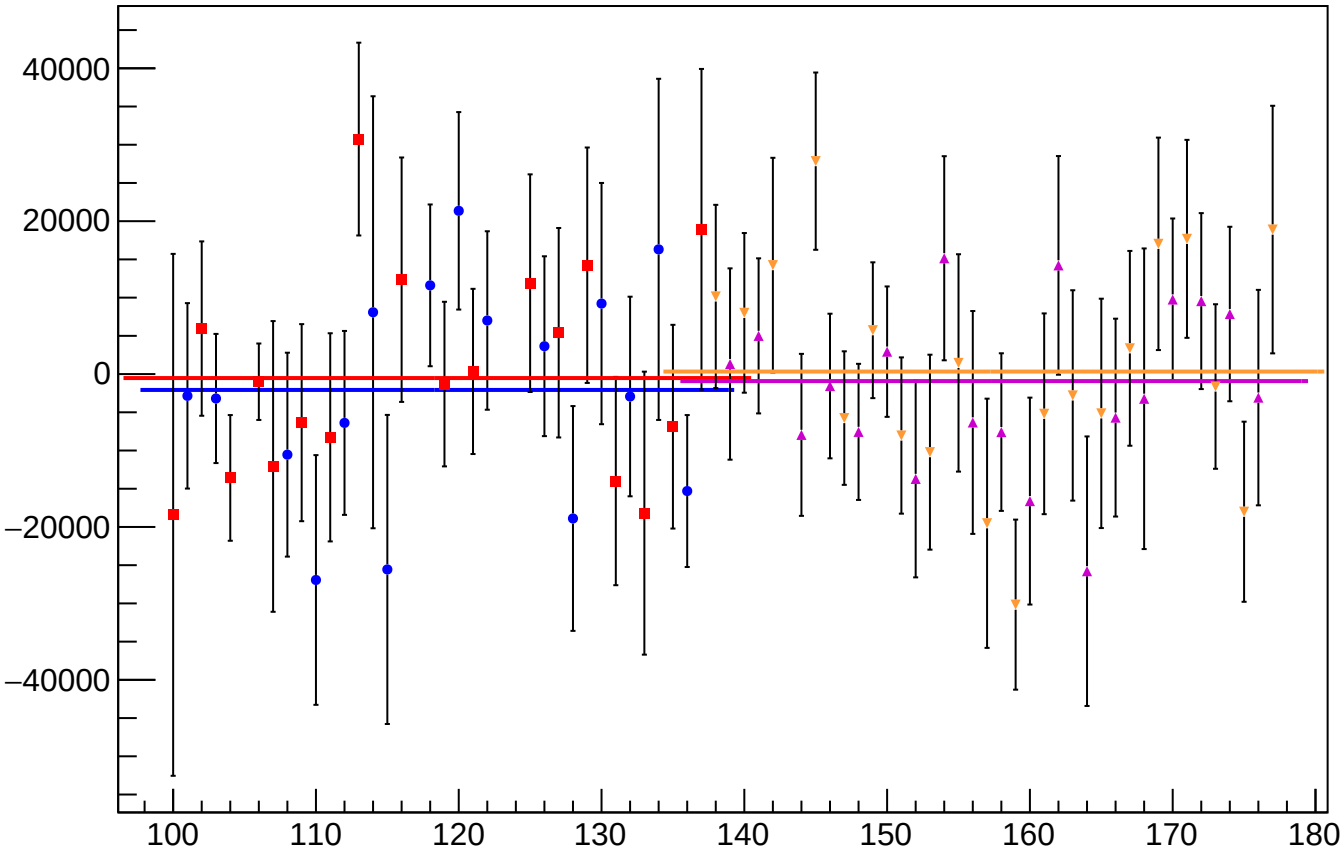
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

+ sign 2205.794+/-0.326 χ^2/NDF: 271997.8/35

All: 2199.189+/-0.231 χ^2/NDF: 628574.8/72

- sign 2192.539+/-0.327 χ^2/NDF: 355751.1/36



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 329.710+/-2678.261 χ^2/NDF:26.5/19

Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

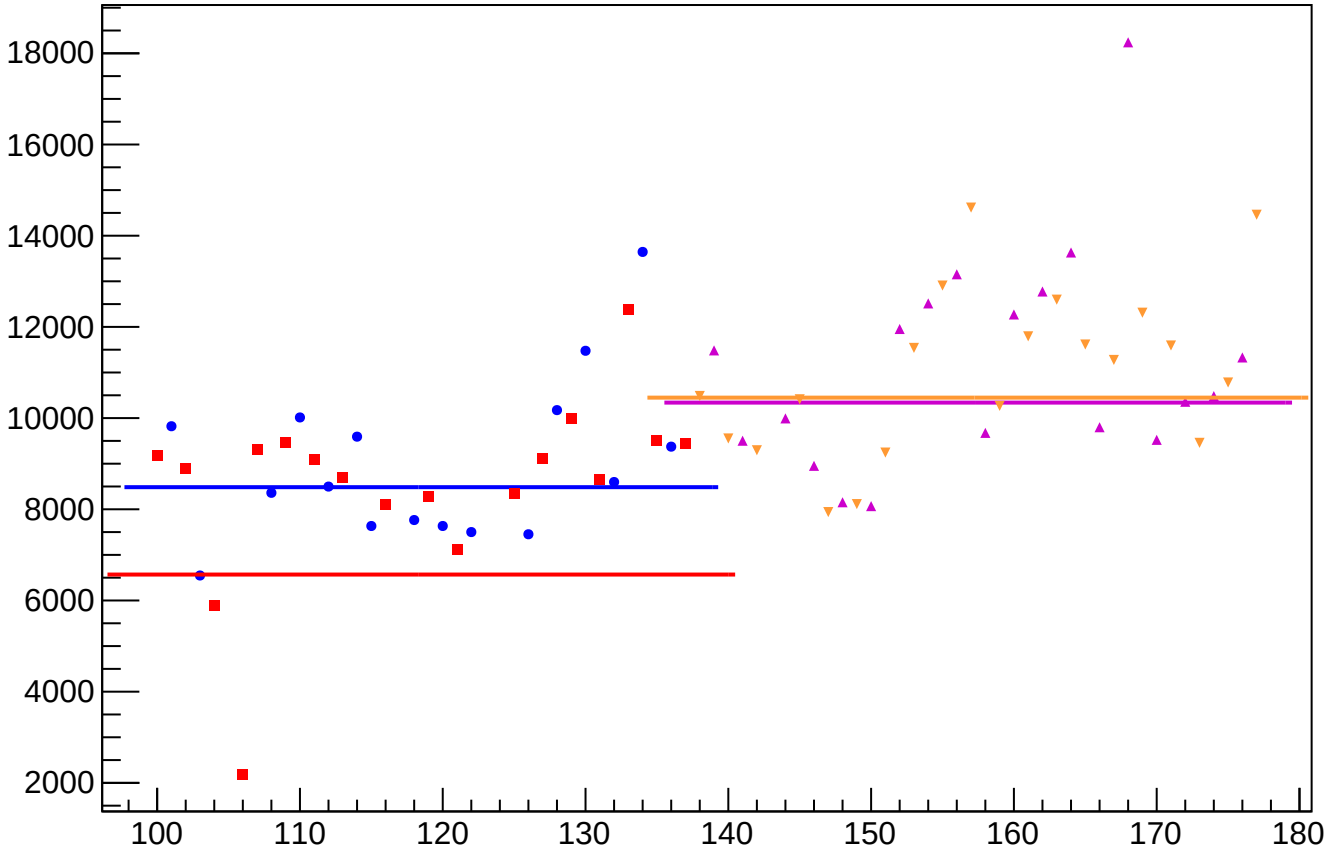
Left In: -917.294+/-2676.457 χ^2/NDF:11.6/18

+ sign -656.422+/-2057.019 χ^2/NDF: 41.2/35

All: -691.835+/-1398.178 χ^2/NDF: 68.6/72

- sign -722.246+/-1906.225 χ^2/NDF: 27.3/36

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10448.778+/-1.894 χ^2/NDF:848048.6/19

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

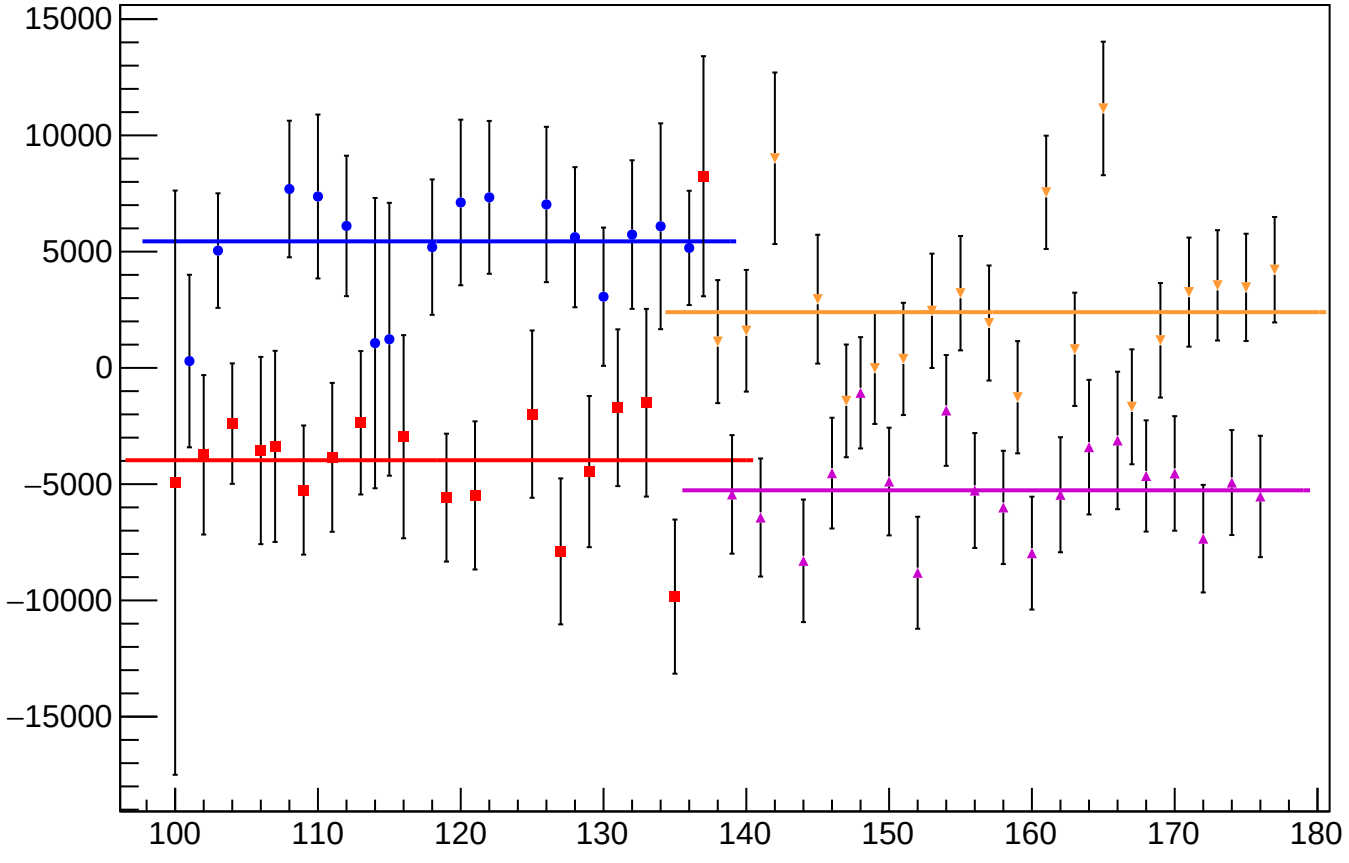
Left In: 10339.756+/-1.893 χ^2/NDF:1022183.0/18

+ sign 9643.413+/-1.455 χ^2/NDF: 1711725.4/35

All: 9018.364+/-0.989 χ^2/NDF: 7602422.5/72

- sign 8481.598+/-1.348 χ^2/NDF: 5547452.5/36

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2397.560+/-558.849 χ^2/NDF:28.6/19

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

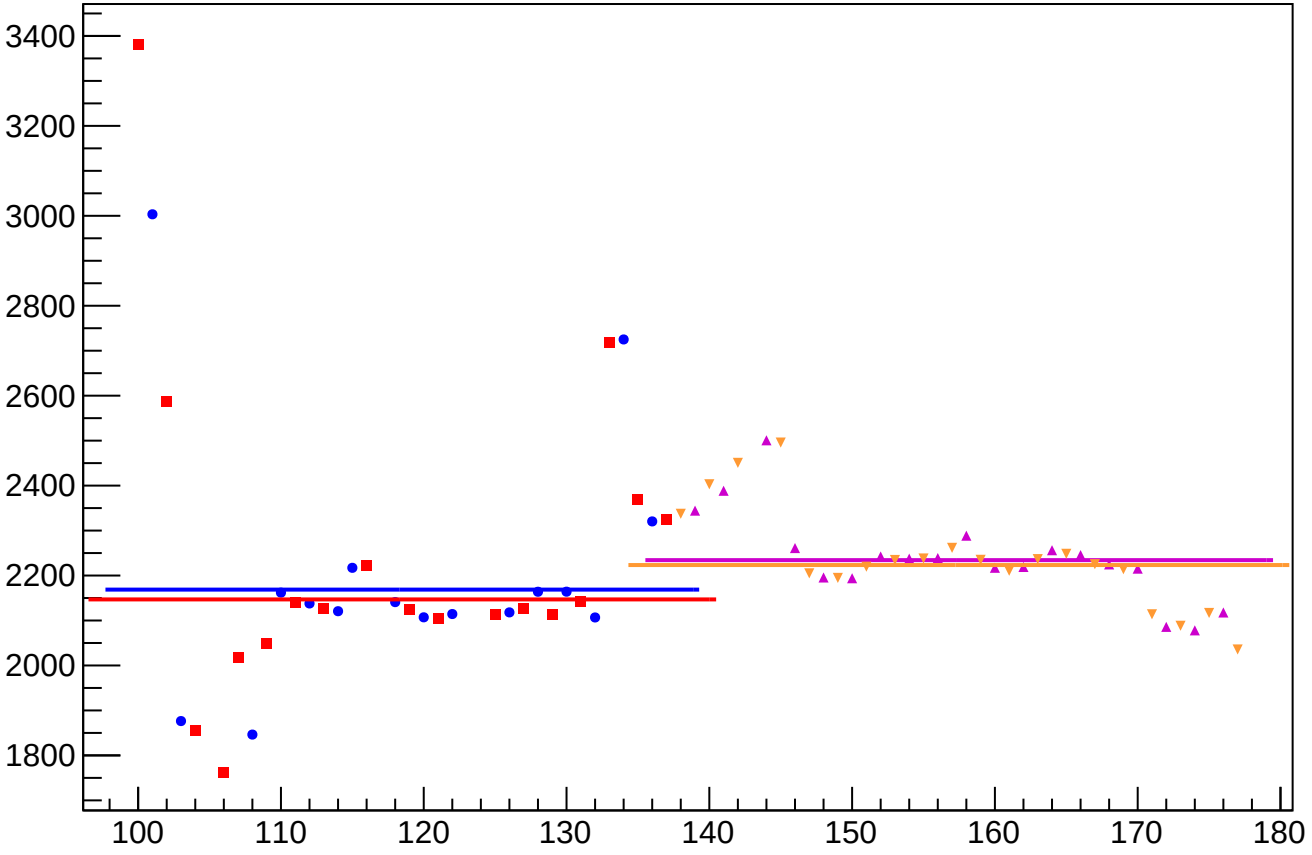
Left In: -5265.554+/-567.301 χ^2/NDF:12.2/18

+ sign 3375.393+/-460.453 χ^2/NDF: 43.5/35

All: -695.990+/-327.006 χ^2/NDF: 228.2/72

- sign -4838.989+/-464.486 χ^2/NDF: 26.9/36

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2223.333+/-0.395 χ^2/NDF:70203.5/19

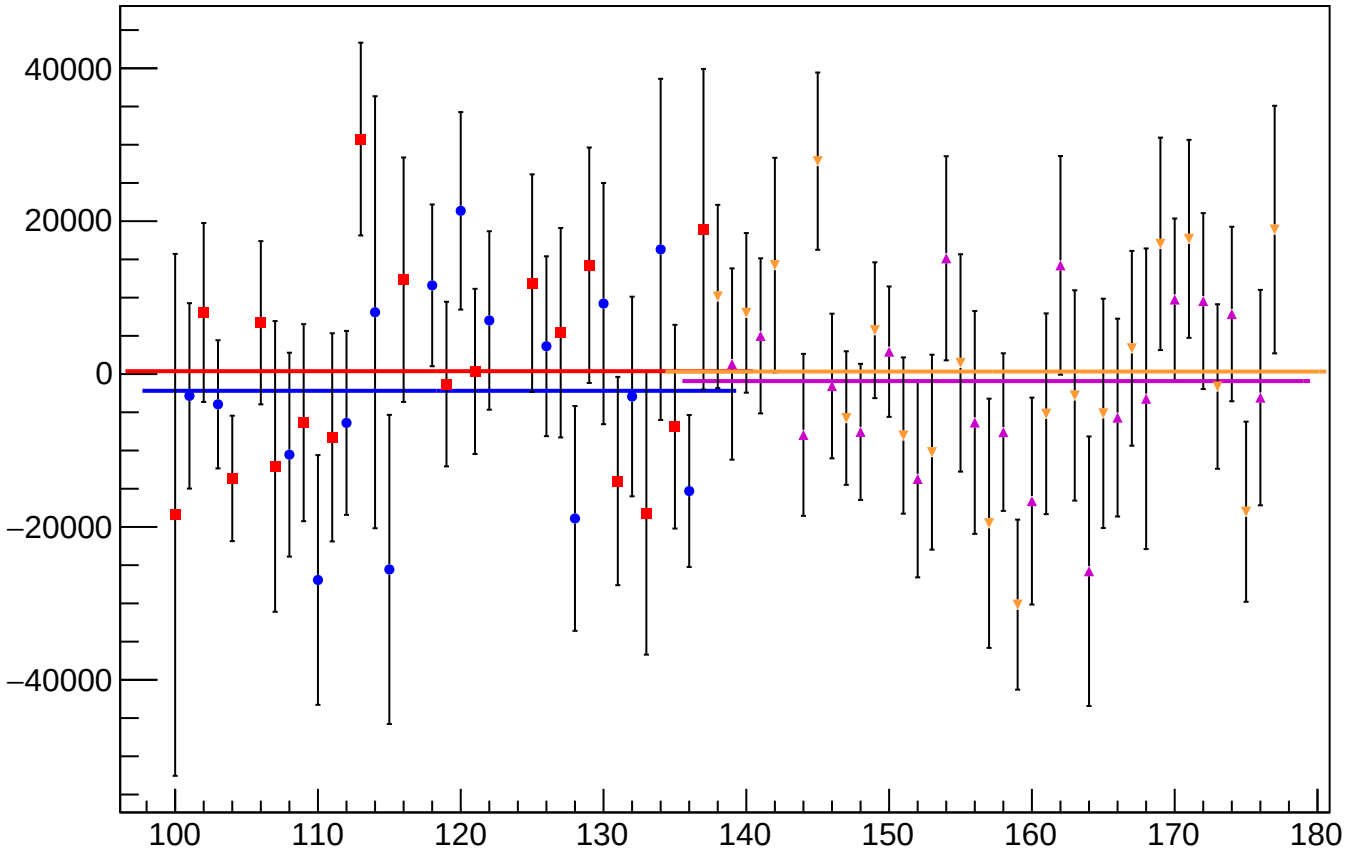
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

\+ sign 2205.793+/-0.326 χ^2/NDF: 271998.2/35

All: 2205.532+/-0.231 χ^2/NDF: 501708.0/72

\- sign 2205.267+/-0.328 χ^2/NDF: 229708.5/36



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 329.712+/-2678.260 χ^2/NDF:26.5/19

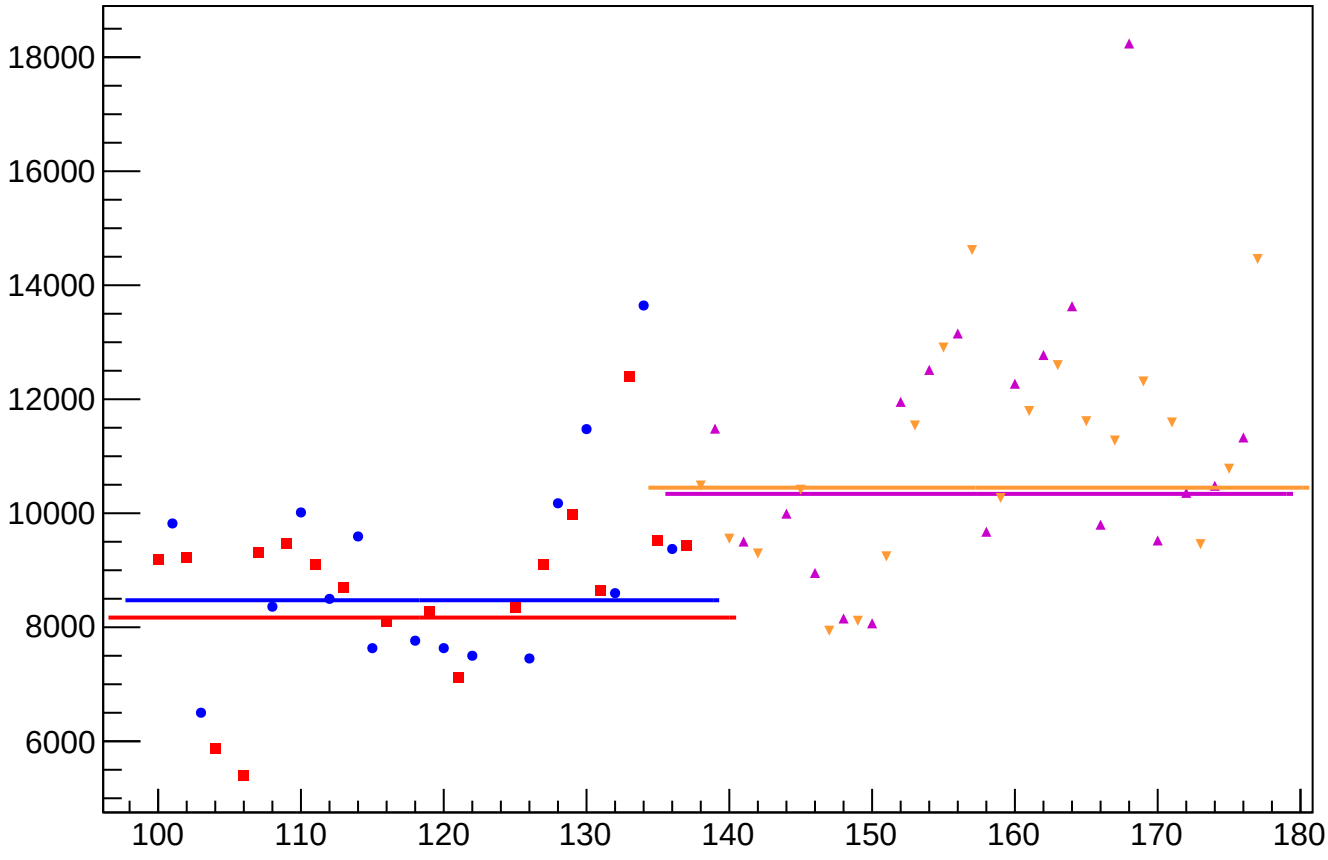
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -917.433+/-2676.456 χ^2/NDF:11.6/18

+ sign -704.697+/-2056.080 χ^2/NDF: 41.3/35

All: -531.651+/-1443.063 χ^2/NDF: 69.3/72

- sign -363.655+/-2025.854 χ^2/NDF: 28.0/36



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10448.772+/-1.894 χ^2/NDF:848051.8/19

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

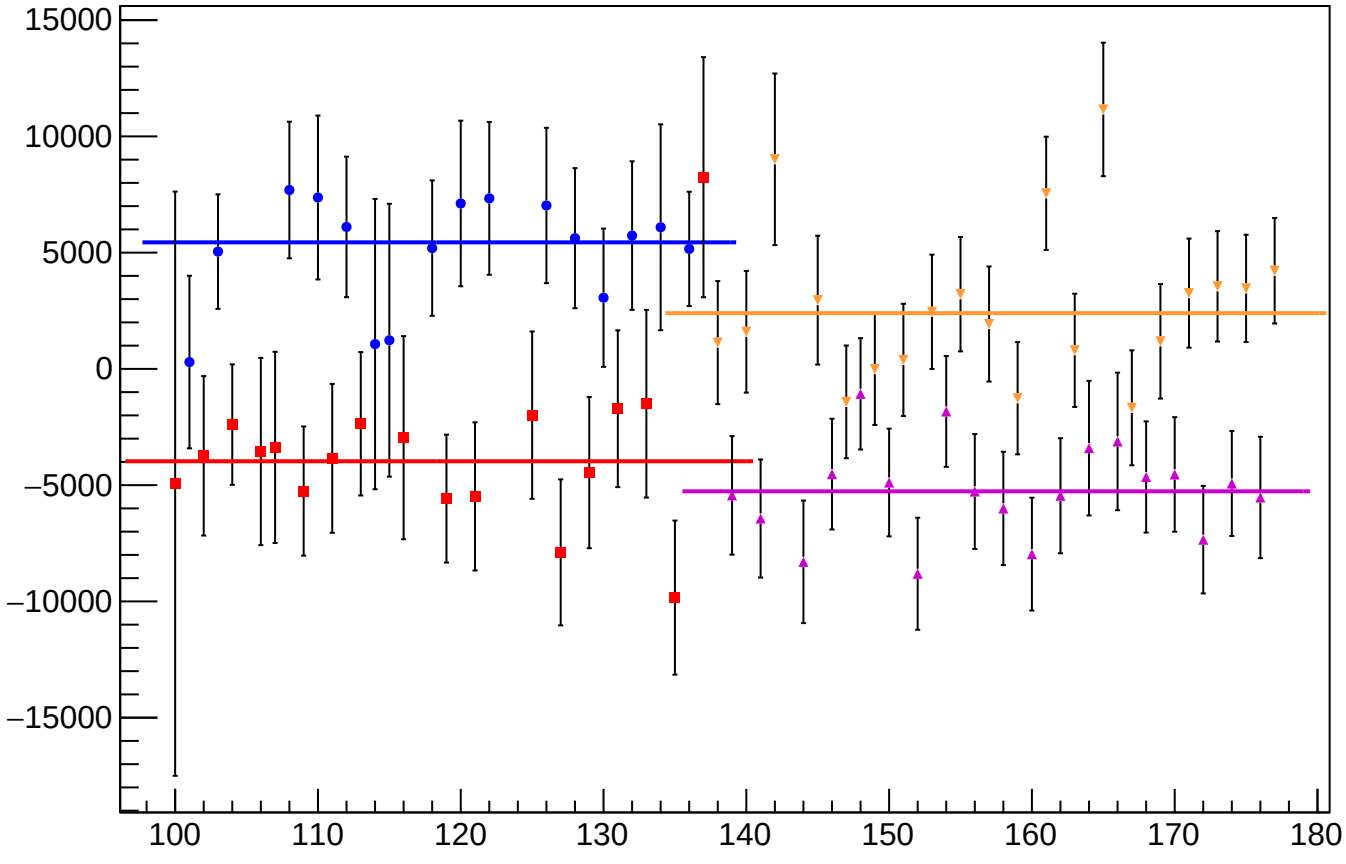
Left In: 10339.751+/-1.893 χ^2/NDF:1022188.2/18

+ sign 9637.731+/-1.454 χ^2/NDF: 1724222.4/35

All: 9523.758+/-1.020 χ^2/NDF: 3859786.1/72

- sign 9413.112+/-1.432 χ^2/NDF: 2123452.2/36

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2397.560+/-558.849 χ^2/NDF:28.6/19

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

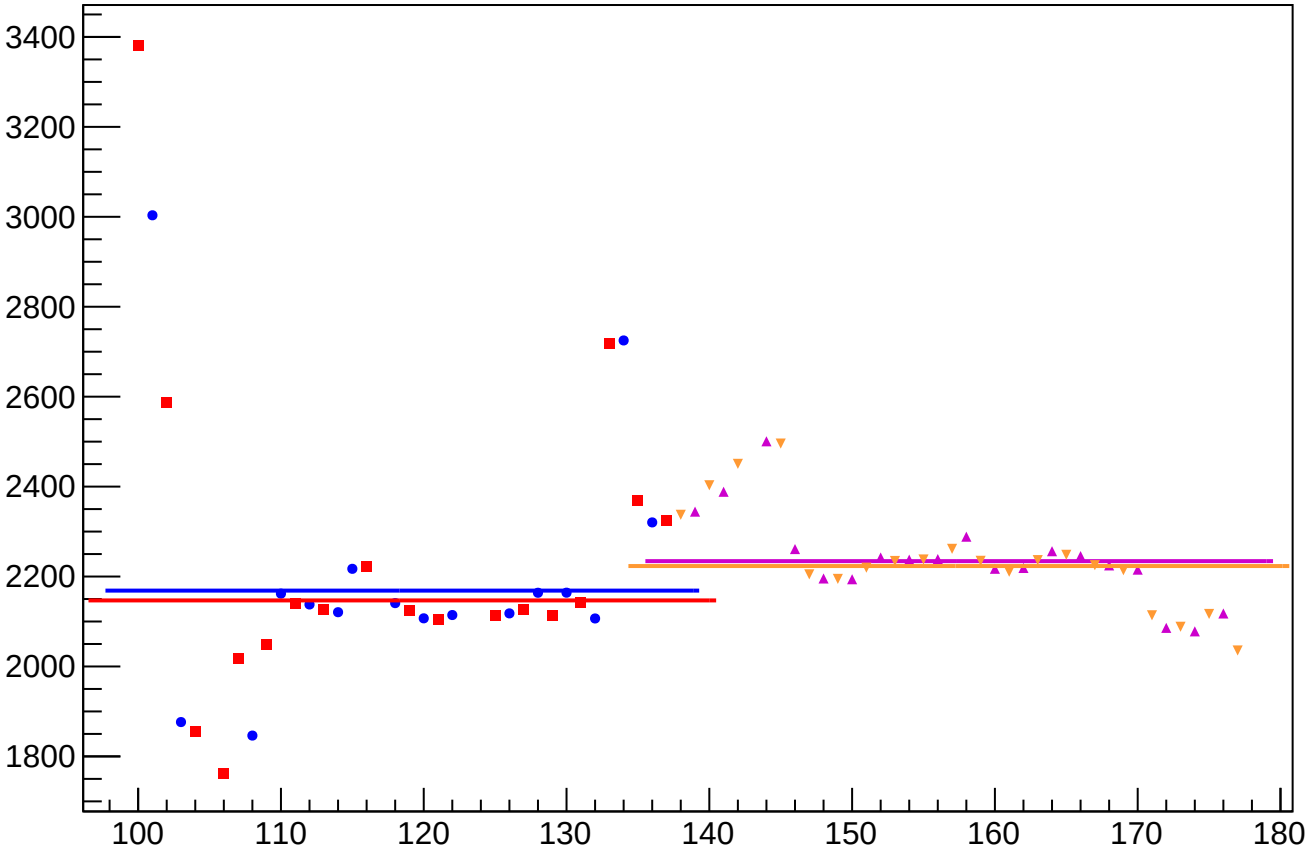
Left In: -5265.554+/-567.301 χ^2/NDF:12.2/18

+ sign 3375.393+/-460.453 χ^2/NDF: 43.5/35

All: -695.990+/-327.006 χ^2/NDF: 228.2/72

- sign -4838.989+/-464.486 χ^2/NDF: 26.9/36

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2223.333+/-0.395 χ^2/NDF:70203.5/19

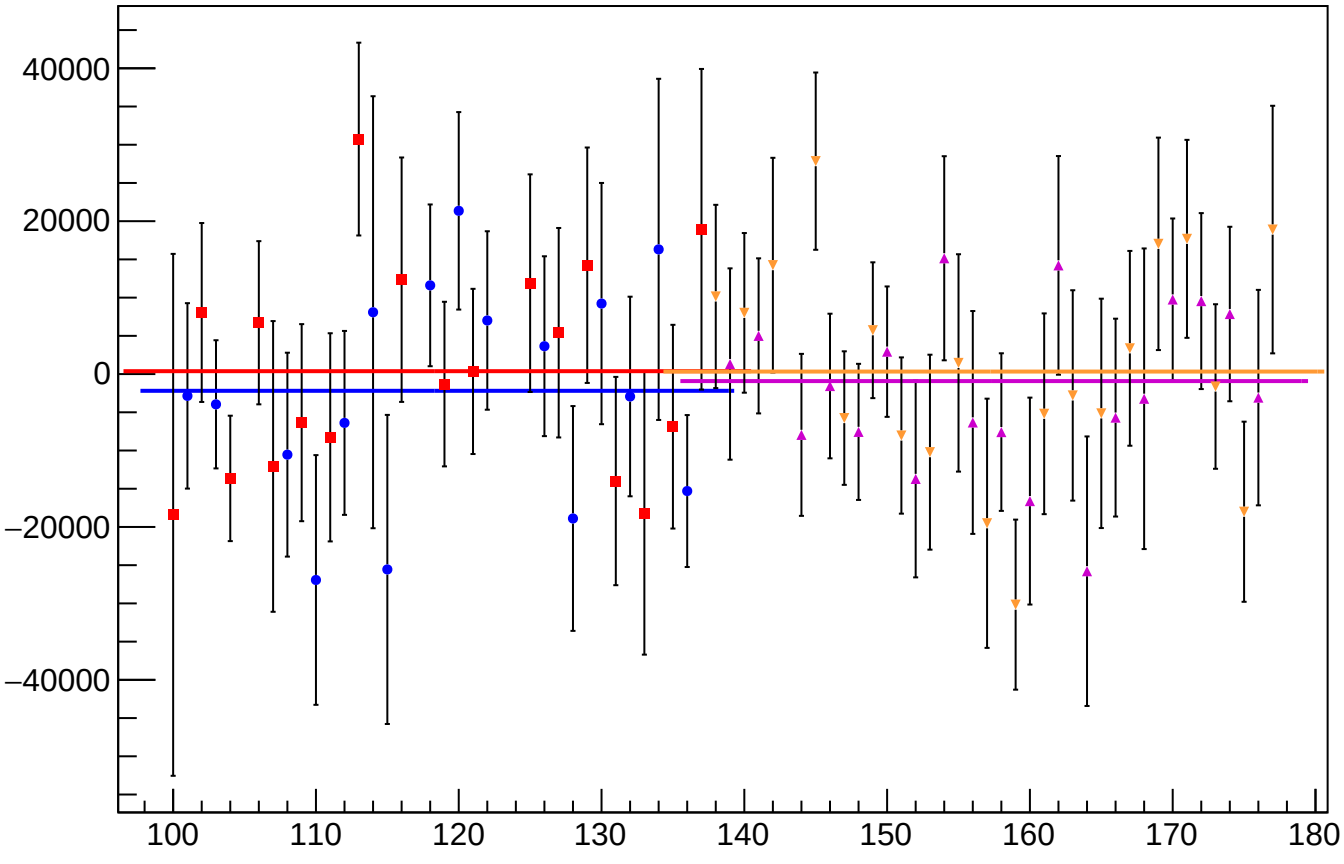
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

+ sign 2205.793+/-0.326 χ^2/NDF: 271998.2/35

All: 2205.532+/-0.231 χ^2/NDF: 501708.0/72

- sign 2205.267+/-0.328 χ^2/NDF: 229708.5/36



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 329.712+/-2678.260 χ^2/NDF:26.5/19

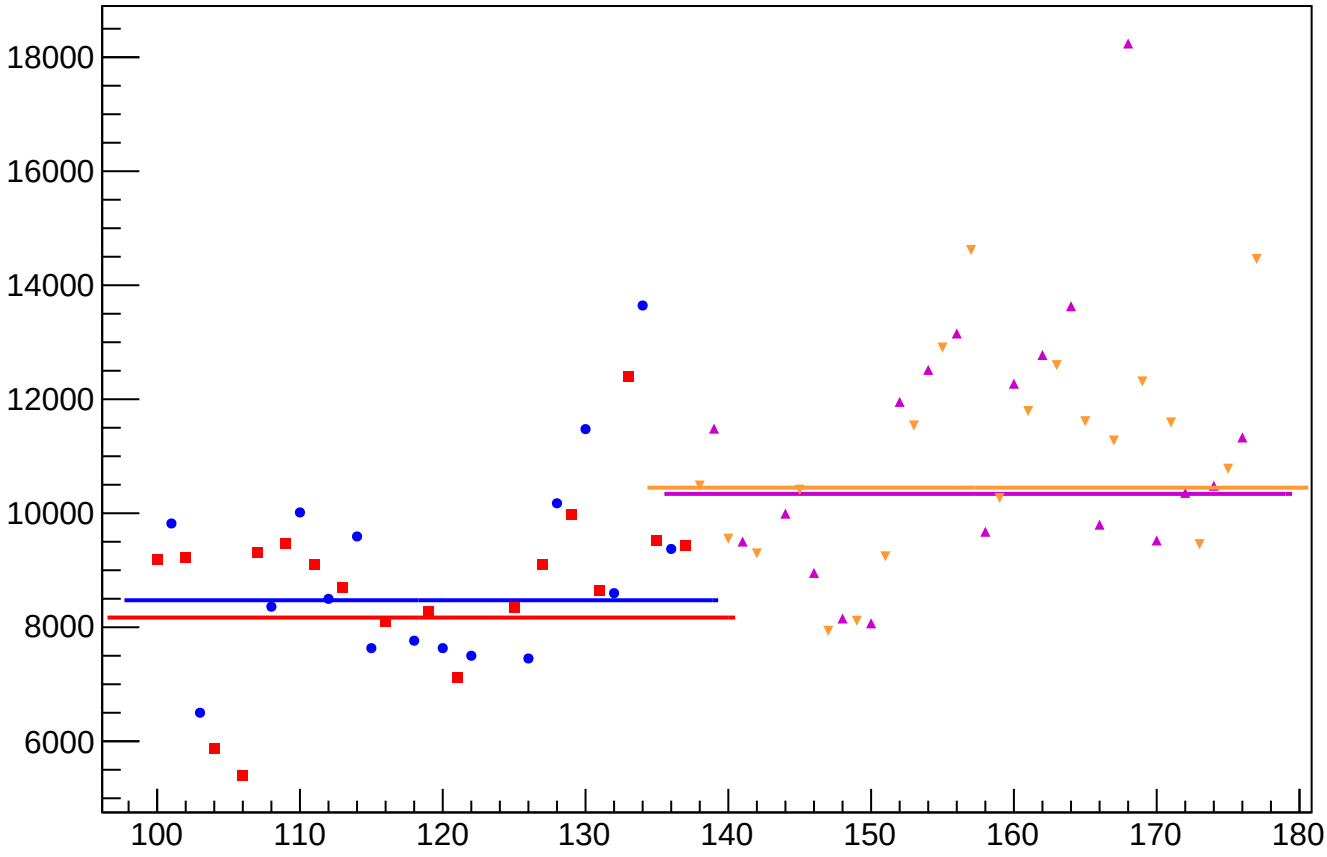
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -917.433+/-2676.456 χ^2/NDF:11.6/18

\+ sign -704.697+/-2056.080 χ^2/NDF: 41.3/35

All: -531.651+/-1443.063 χ^2/NDF: 69.3/72

\- sign -363.655+/-2025.854 χ^2/NDF: 28.0/36



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10448.772+/-1.894 χ^2/NDF:848051.8/19

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

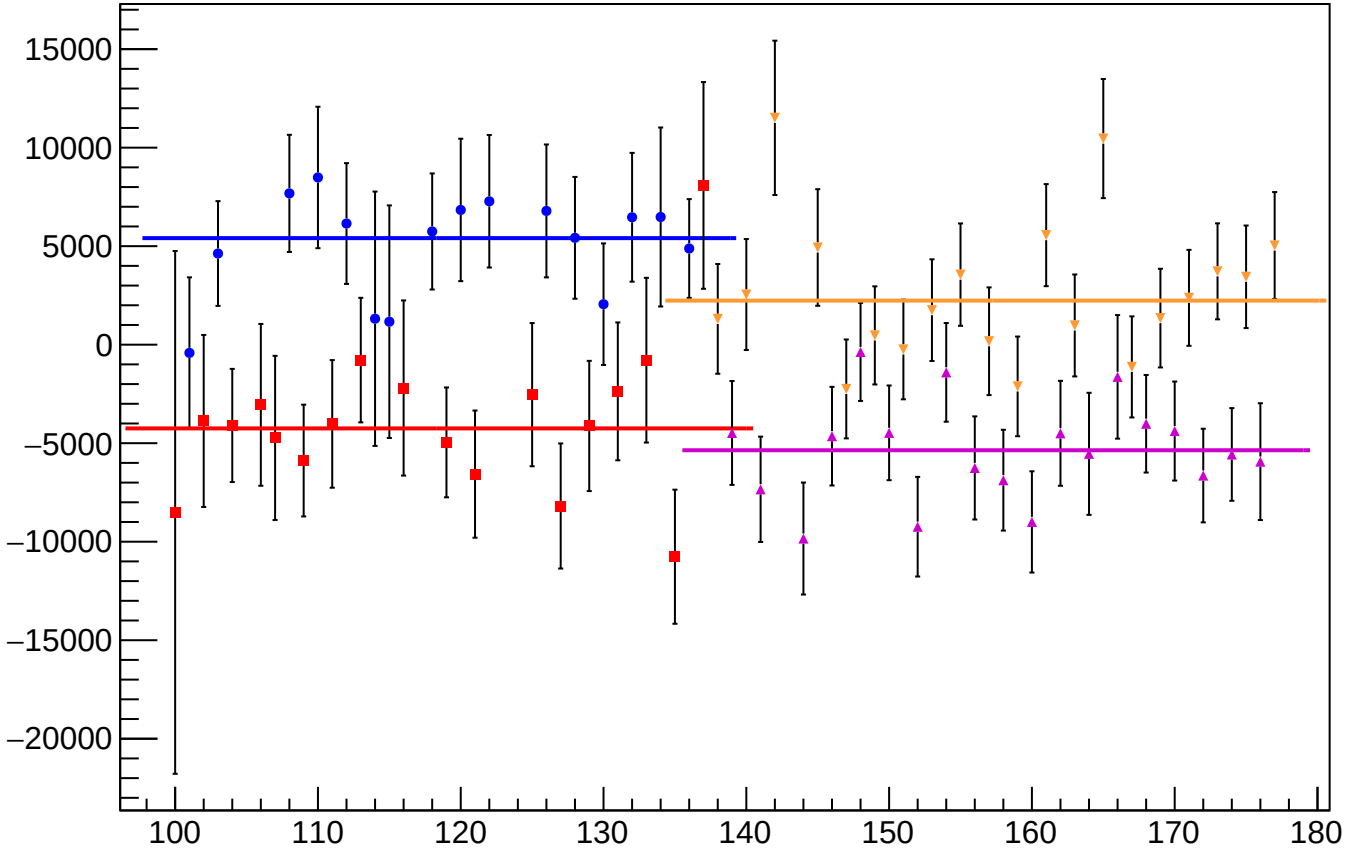
Left In: 10339.751+/-1.893 χ^2/NDF:1022188.2/18

+ sign 9637.731+/-1.454 χ^2/NDF: 1724222.4/35

All: 9523.758+/-1.020 χ^2/NDF: 3859786.1/72

- sign 9413.112+/-1.432 χ^2/NDF: 2123452.2/36

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2236.571+/-593.532 χ^2/NDF:27.8/19

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

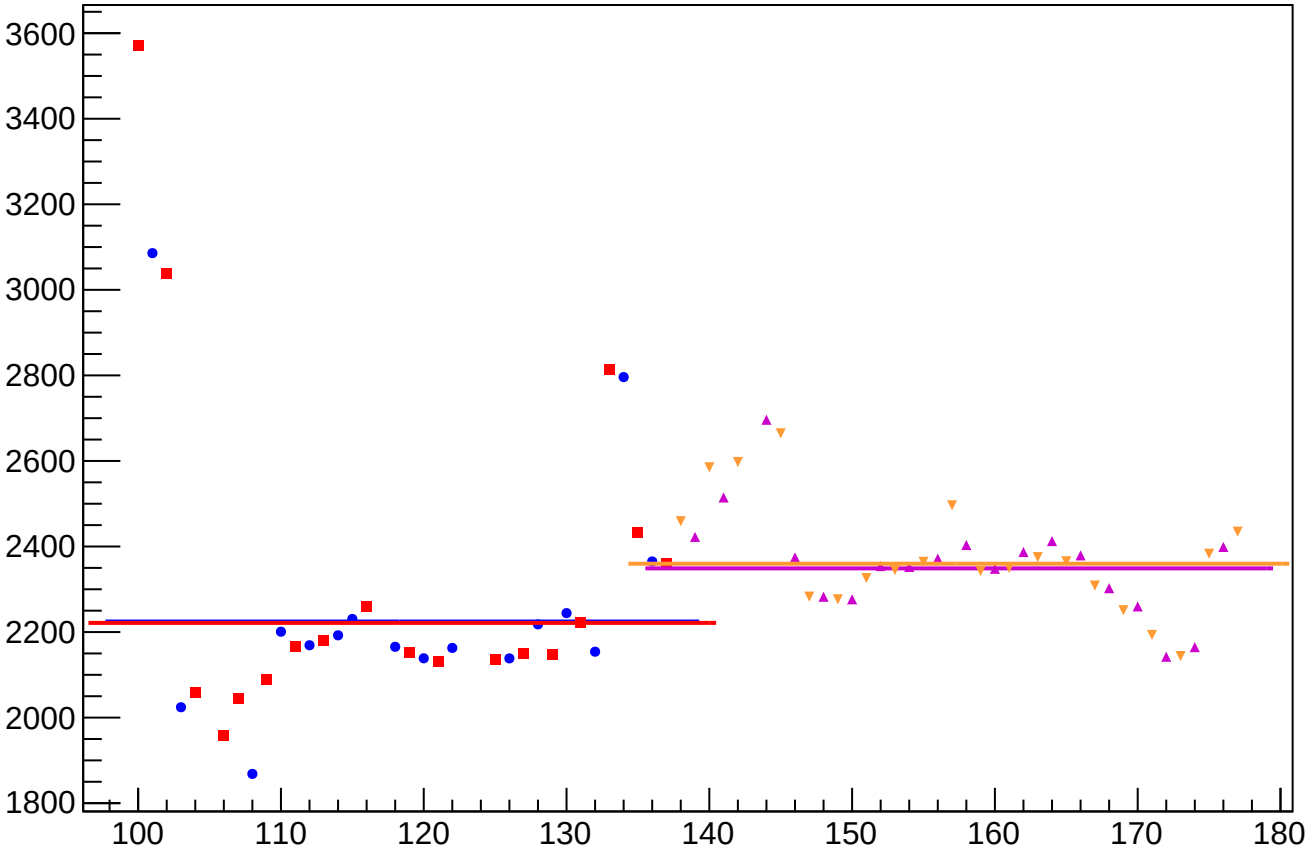
Left In: -5358.559+/-596.768 χ^2/NDF:17.0/18

+ sign 3303.283+/-483.514 χ^2/NDF: 44.1/35

All: -817.142+/-342.899 χ^2/NDF: 222.9/72

- sign -4986.295+/-486.365 χ^2/NDF: 32.6/36

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2359.811+/-0.420 χ^2/NDF:84959.7/19

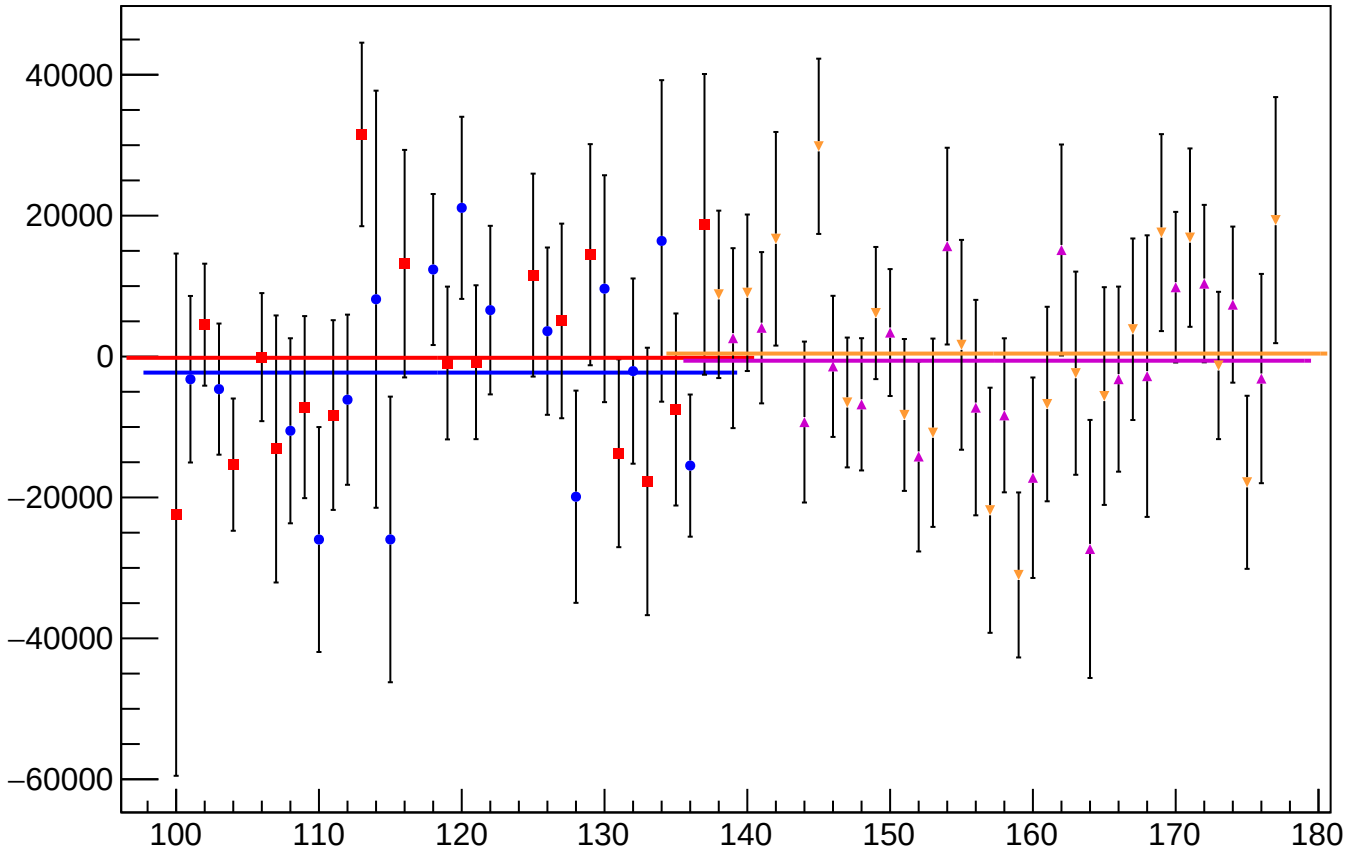
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2348.862+/-0.422 χ^2/NDF:76256.1/18

+ sign 2314.336+/-0.342 χ^2/NDF: 304544.6/35

All: 2310.210+/-0.242 χ^2/NDF: 581687.0/72

- sign 2306.037+/-0.344 χ^2/NDF: 276849.5/36



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 422.932+/-2782.745 χ^2/NDF:26.1/19

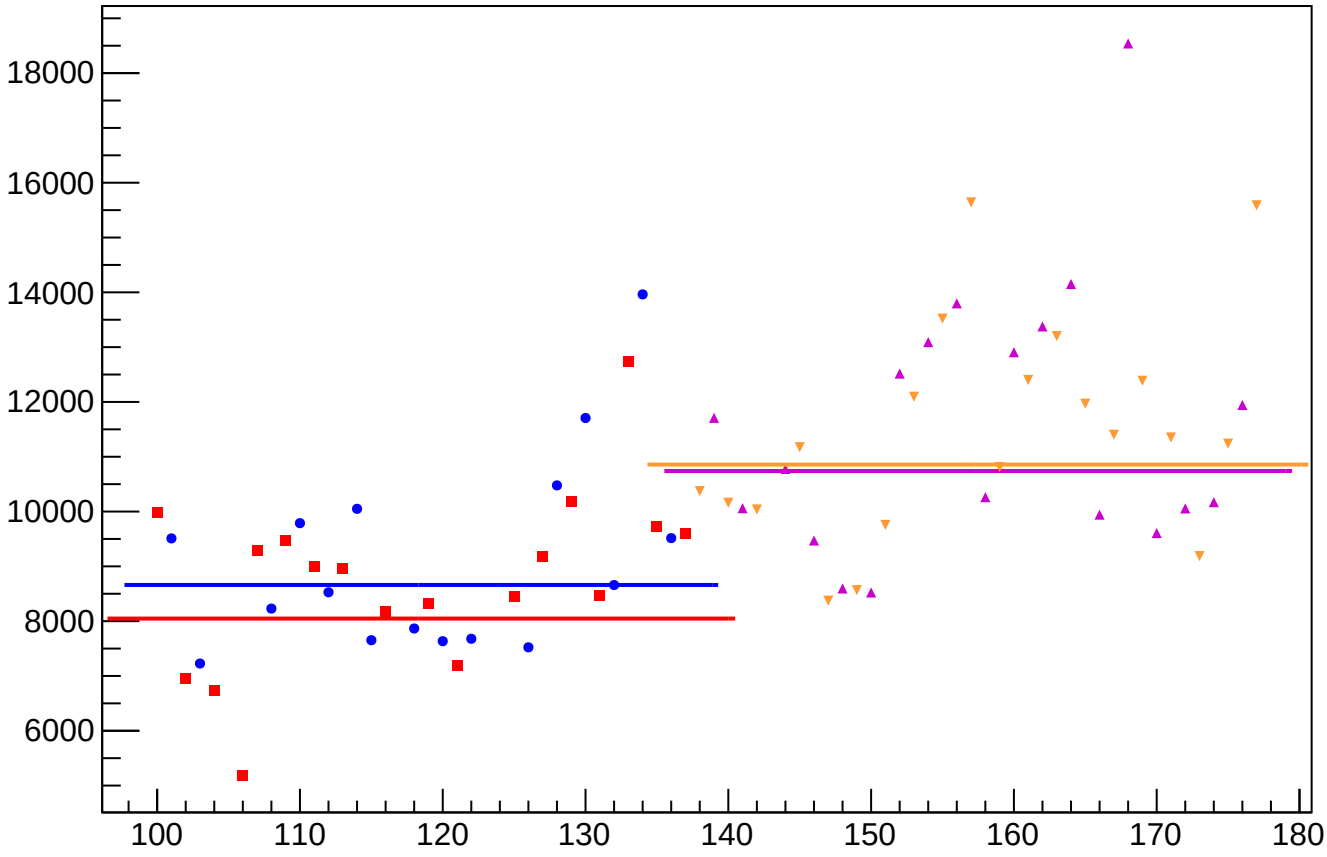
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -590.032+/-2778.720 χ^2/NDF:11.6/18

\+ sign -710.986+/-2119.721 χ^2/NDF: 41.0/35

All: -551.154+/-1473.447 χ^2/NDF: 68.3/72

\- sign -401.723+/-2049.585 χ^2/NDF: 27.3/36



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10857.631+/-1.968 χ^2/NDF:854667.1/19

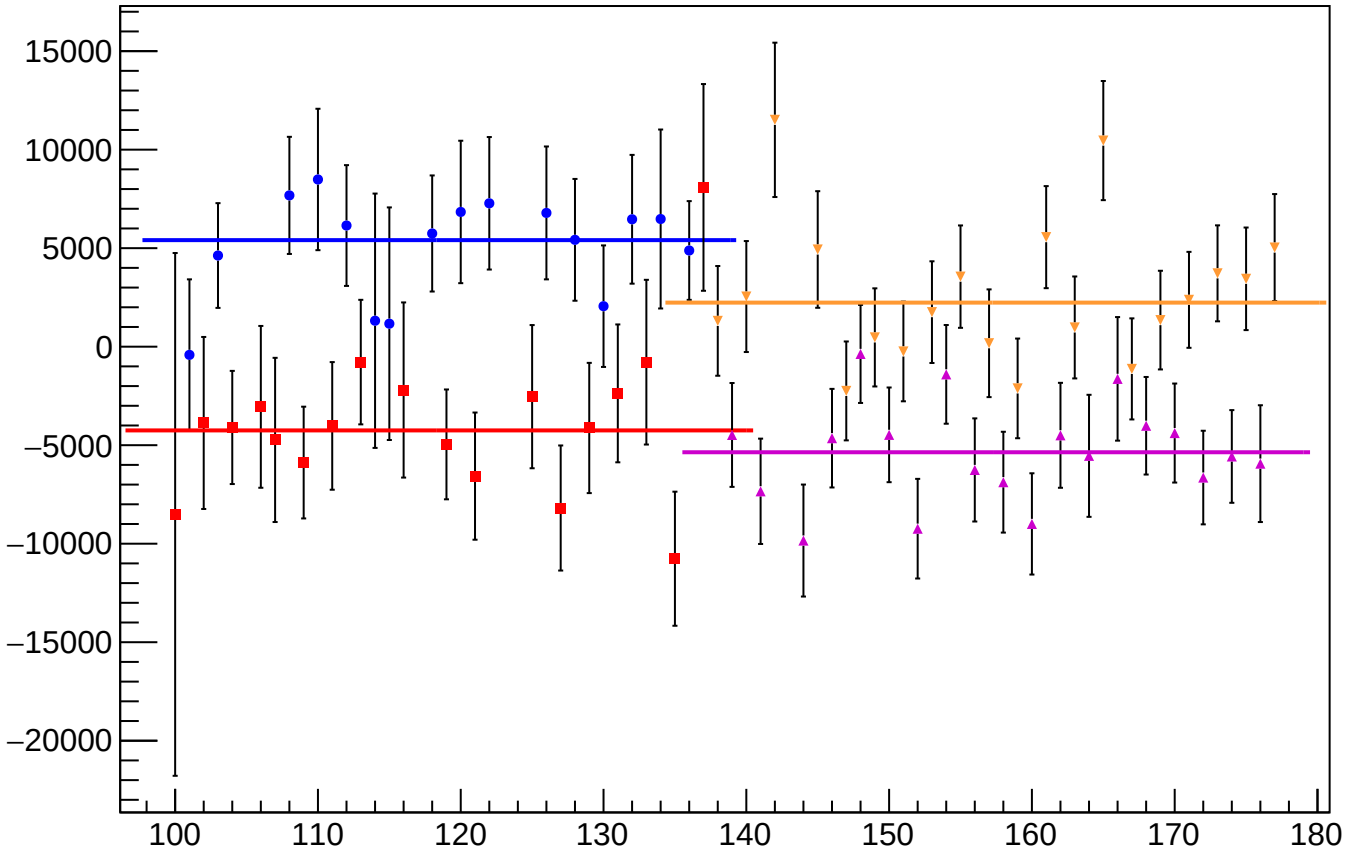
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10739.886+/-1.965 χ^2/NDF:990745.9/18

+ sign 9935.469+/-1.499 χ^2/NDF: 1735868.2/35

All: 9716.761+/-1.042 χ^2/NDF: 4182503.1/72

- sign 9512.287+/-1.449 χ^2/NDF: 2405437.9/36



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2236.560+/-593.533 χ^2/NDF:27.8/19

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

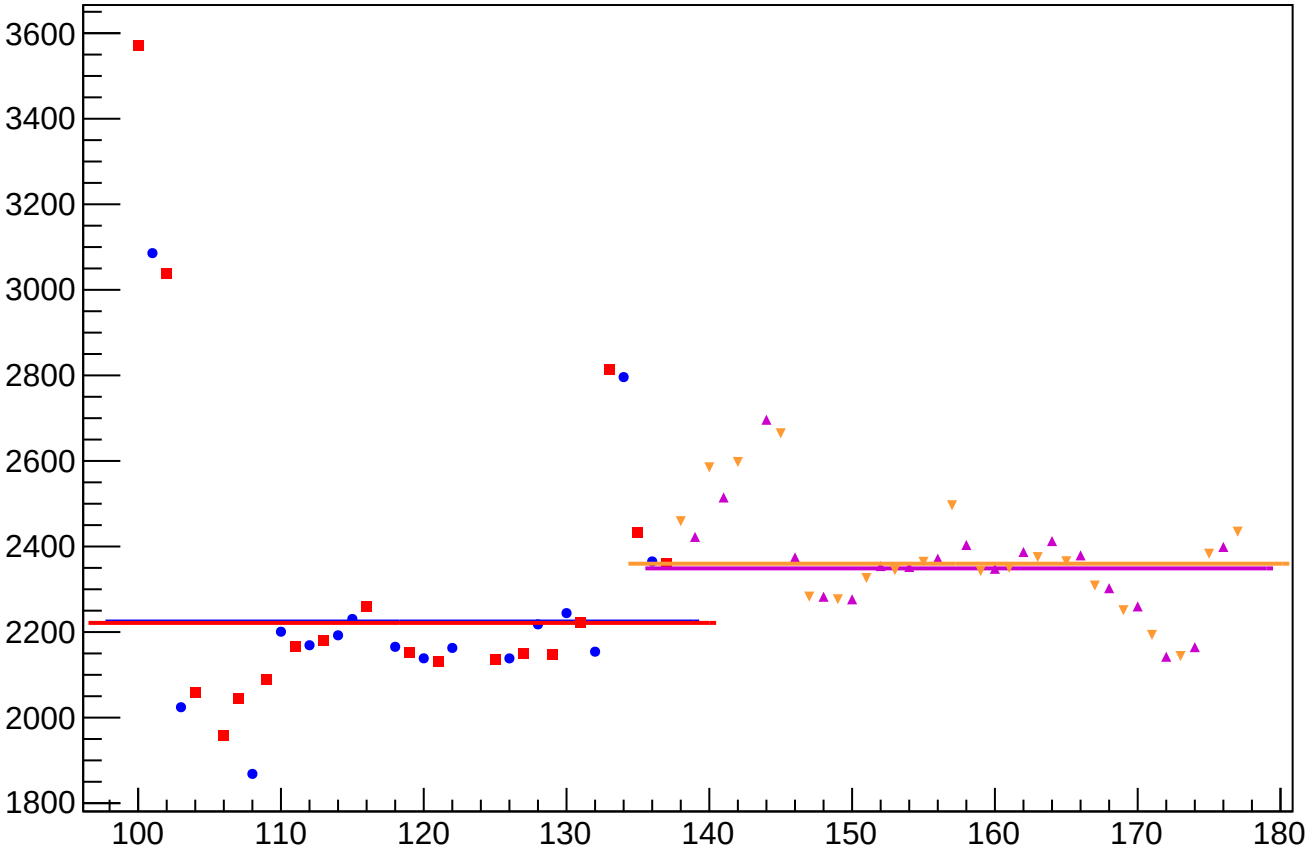
Left In: -5358.564+/-596.769 χ^2/NDF:17.0/18

+ sign 3303.278+/-483.514 χ^2/NDF: 44.1/35

All: -817.147+/-342.900 χ^2/NDF: 222.9/72

- sign -4986.299+/-486.365 χ^2/NDF: 32.6/36

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: 2359.814+/-0.420 χ^2/NDF:84963.2/19

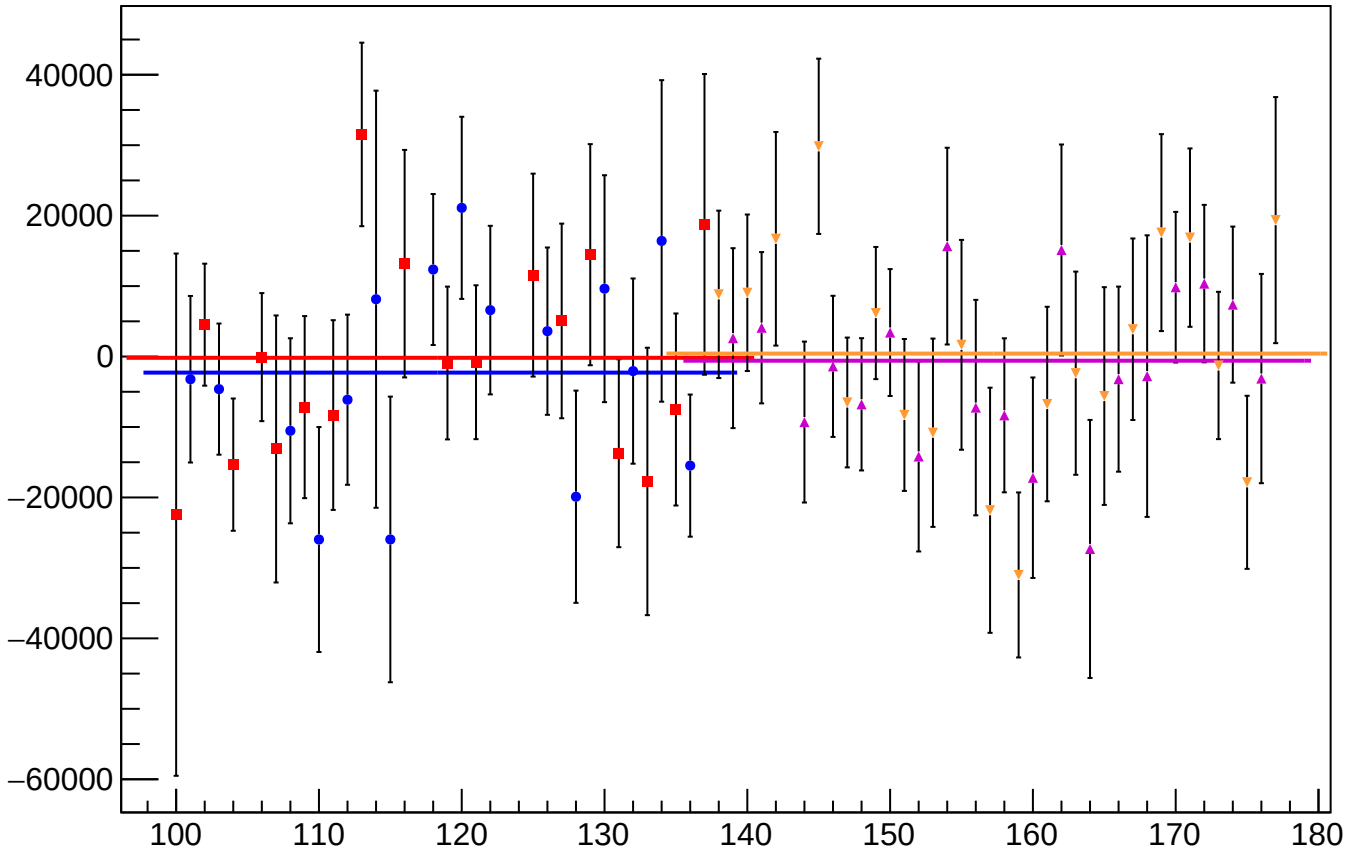
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2348.865+/-0.422 χ^2/NDF:76258.8/18

+ sign 2314.337+/-0.342 χ^2/NDF: 304550.1/35

All: 2310.211+/-0.242 χ^2/NDF: 581696.8/72

- sign 2306.038+/-0.344 χ^2/NDF: 276853.8/36



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 422.925+/-2782.750 χ^2/NDF:26.1/19

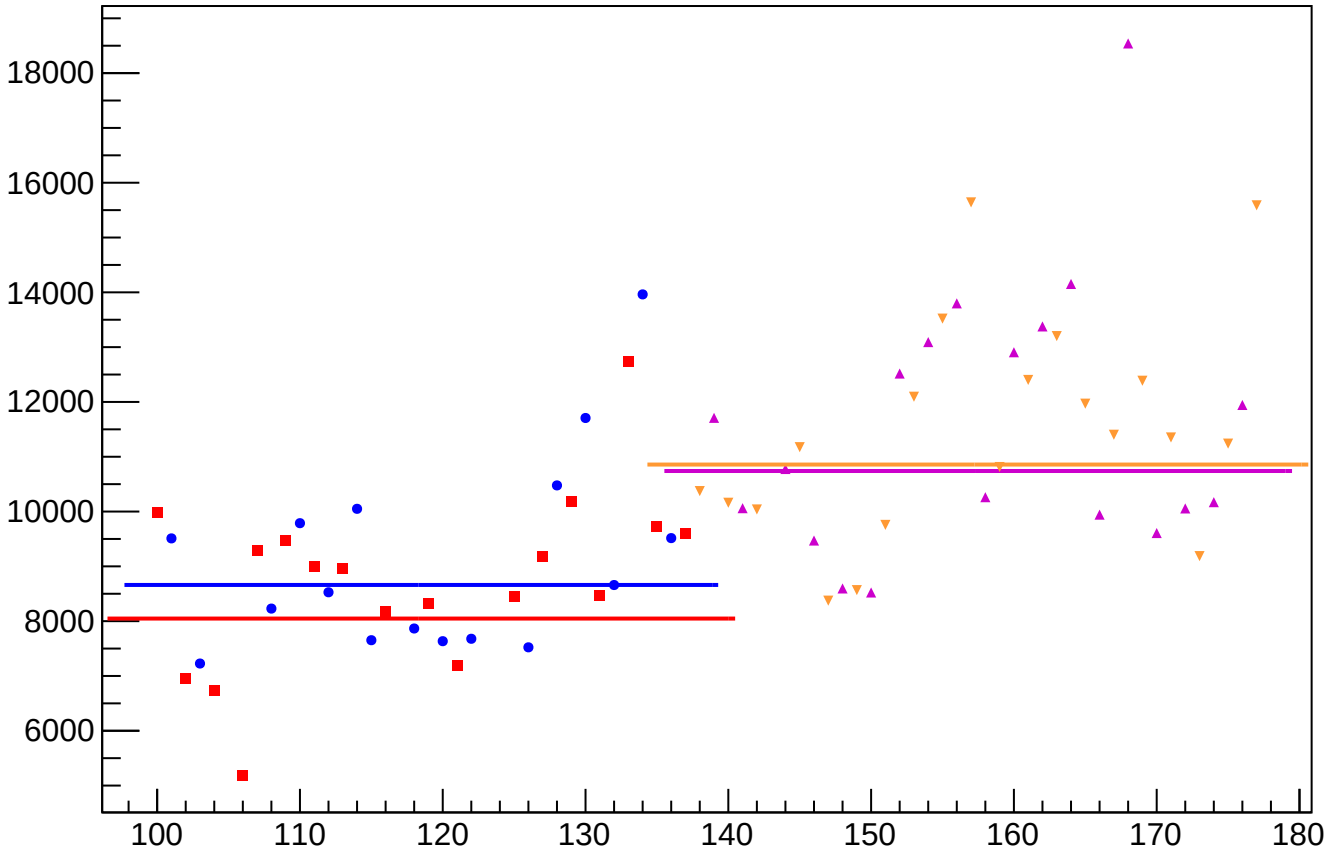
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -590.032+/-2778.724 χ^2/NDF:11.6/18

\+ sign -710.985+/-2119.721 χ^2/NDF: 41.0/35

All: -551.154+/-1473.446 χ^2/NDF: 68.3/72

\- sign -401.724+/-2049.585 χ^2/NDF: 27.3/36



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10857.649+/-1.968 χ^2/NDF:854668.5/19

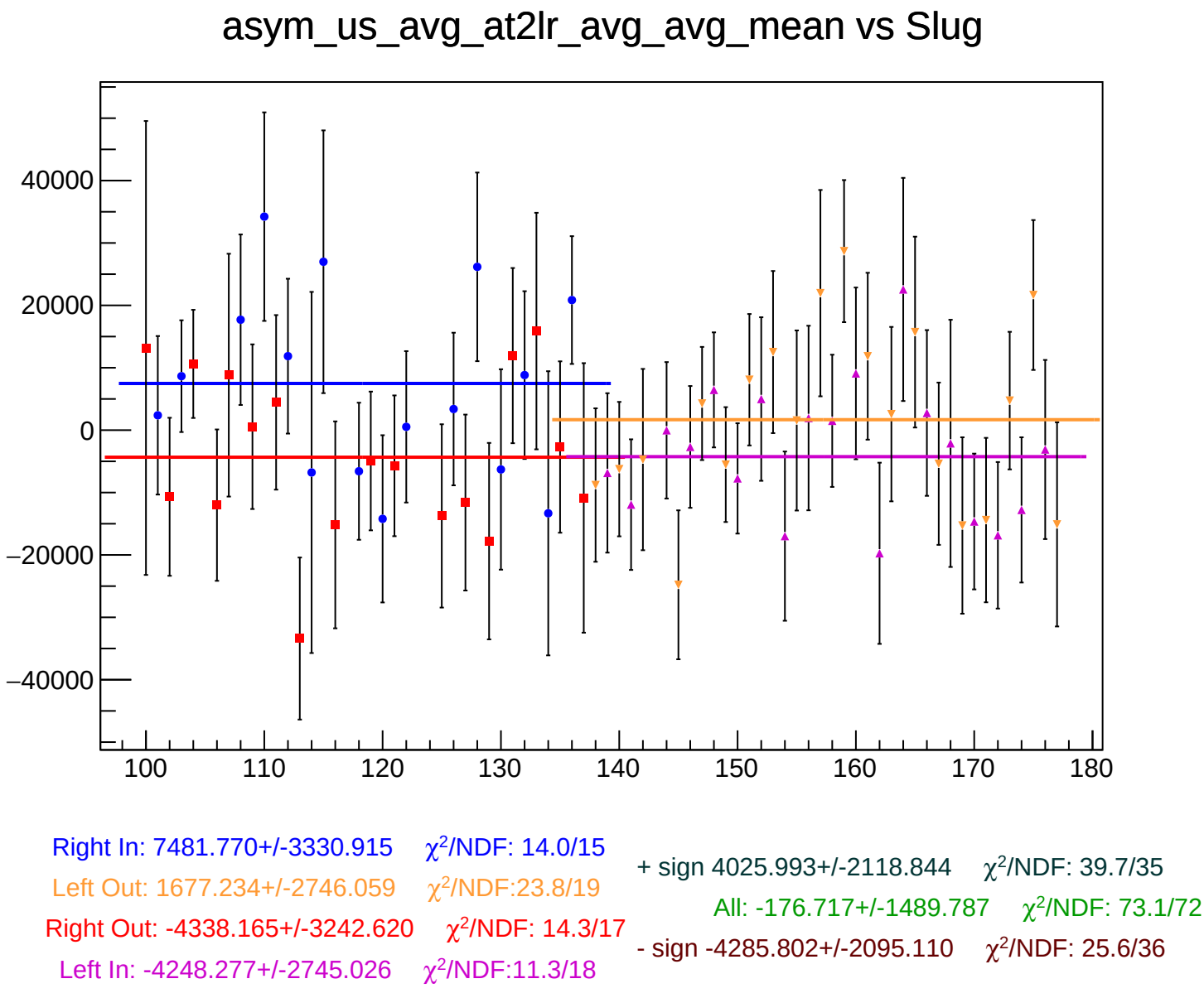
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10739.902+/-1.965 χ^2/NDF:990747.7/18

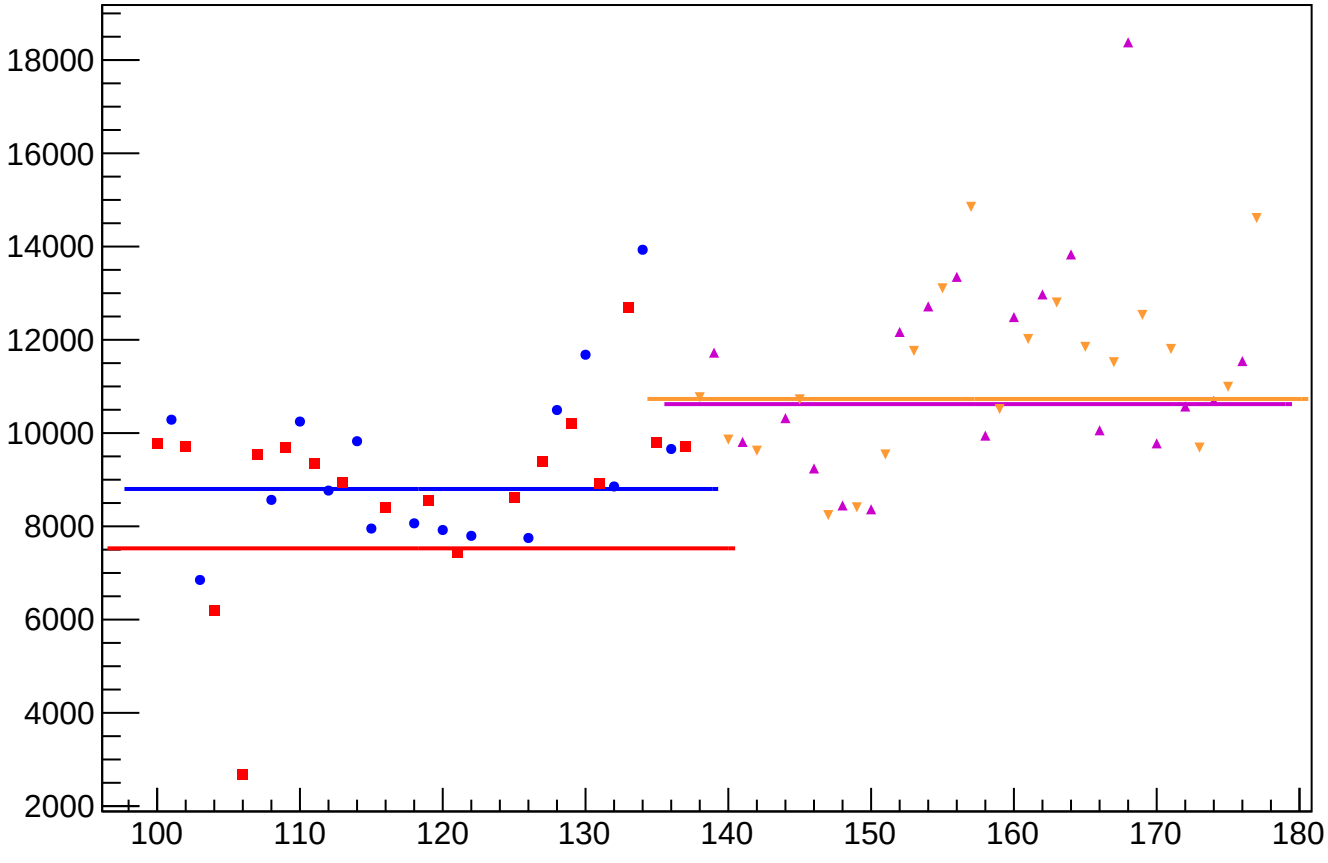
+ sign 9935.466+/-1.499 χ^2/NDF: 1735891.1/35

All: 9716.757+/-1.042 χ^2/NDF: 4182549.1/72

- sign 9512.282+/-1.449 χ^2/NDF: 2405460.8/36


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: 1677.234+/-2746.059 χ²/NDF:23.8/19
Right Out: -4338.165+/-3242.620 χ²/NDF: 14.3/17
Left In: -4248.277+/-2745.026 χ²/NDF:11.3/18
+ sign 4025.993+/-2118.844 χ²/NDF: 39.7/35
All: -176.717+/-1489.787 χ²/NDF: 73.1/72
- sign -4285.802+/-2095.110 χ²/NDF: 25.6/36

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10731.587+/-1.942 χ^2/NDF:777406.7/19

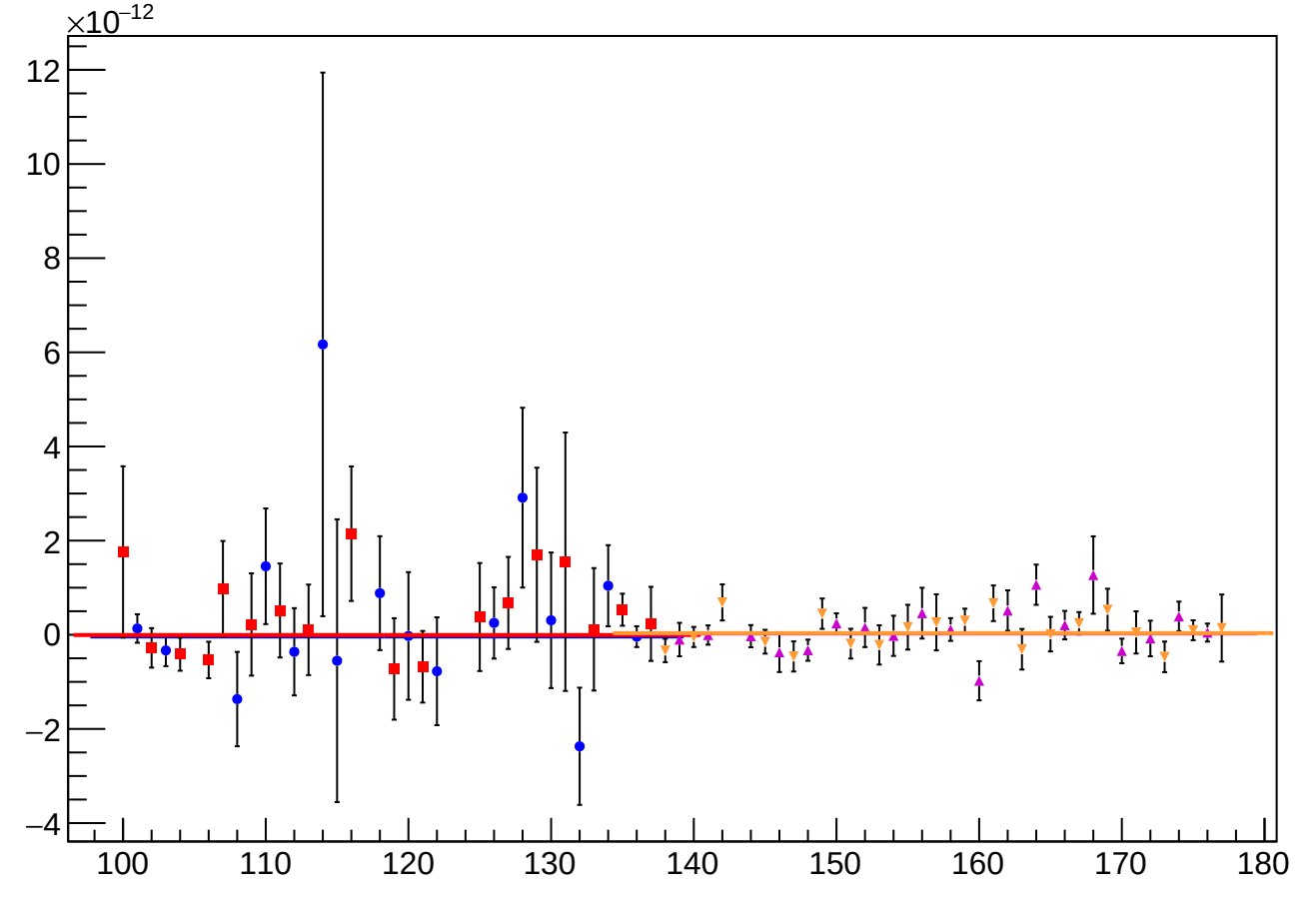
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10621.048+/-1.941 χ^2/NDF:945922.3/18

+ sign 9950.410+/-1.498 χ^2/NDF: 1571956.3/35

All: 9567.423+/-1.036 χ^2/NDF: 5453555.4/72

- sign 9216.495+/-1.434 χ^2/NDF: 3756381.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/19

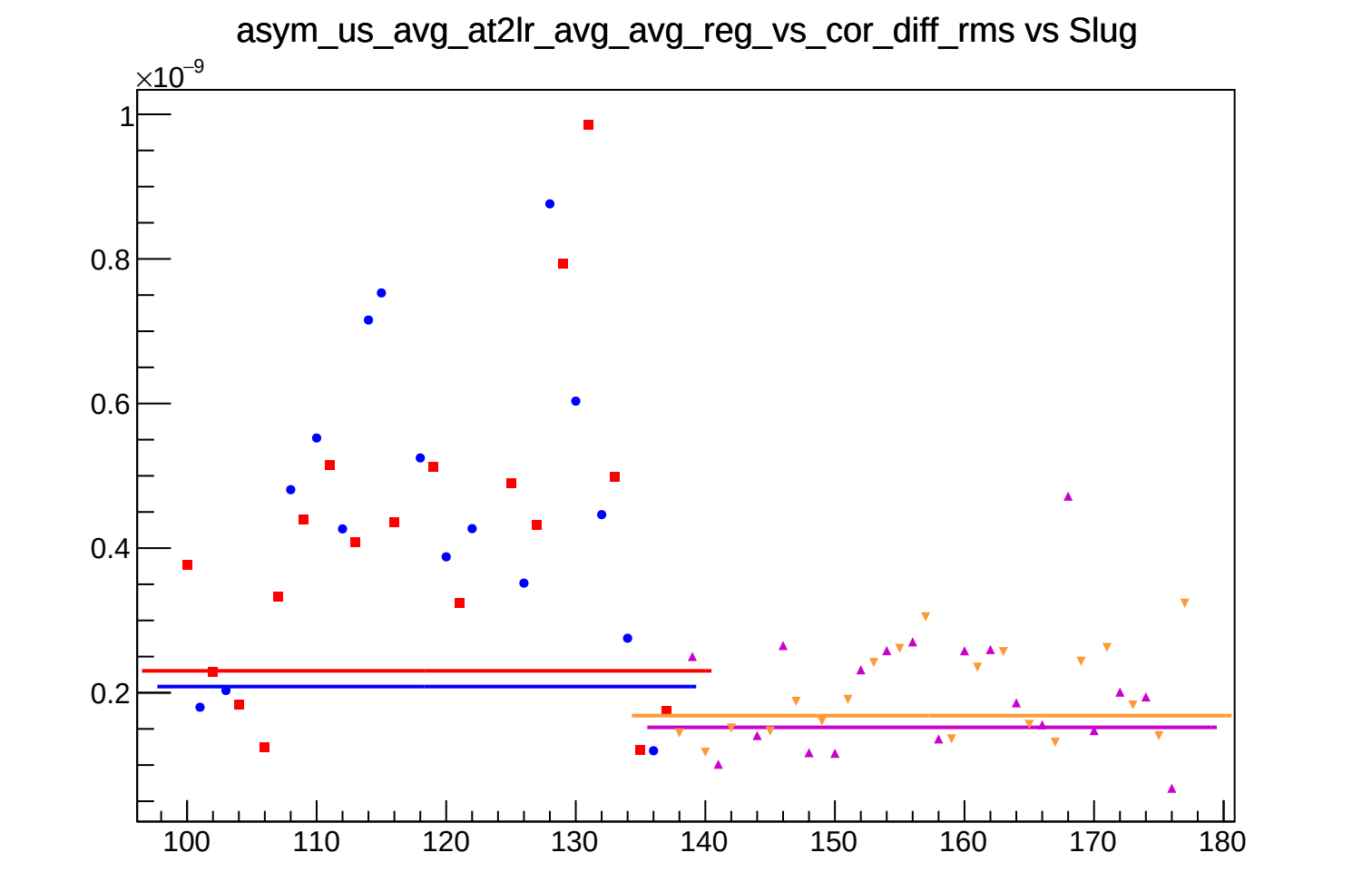
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:24.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/35

All: 0.000+/-0.000 χ^2/NDF: 72.7/72

- sign 0.000+/-0.000 χ^2/NDF: 38.3/36



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:918813.8/19

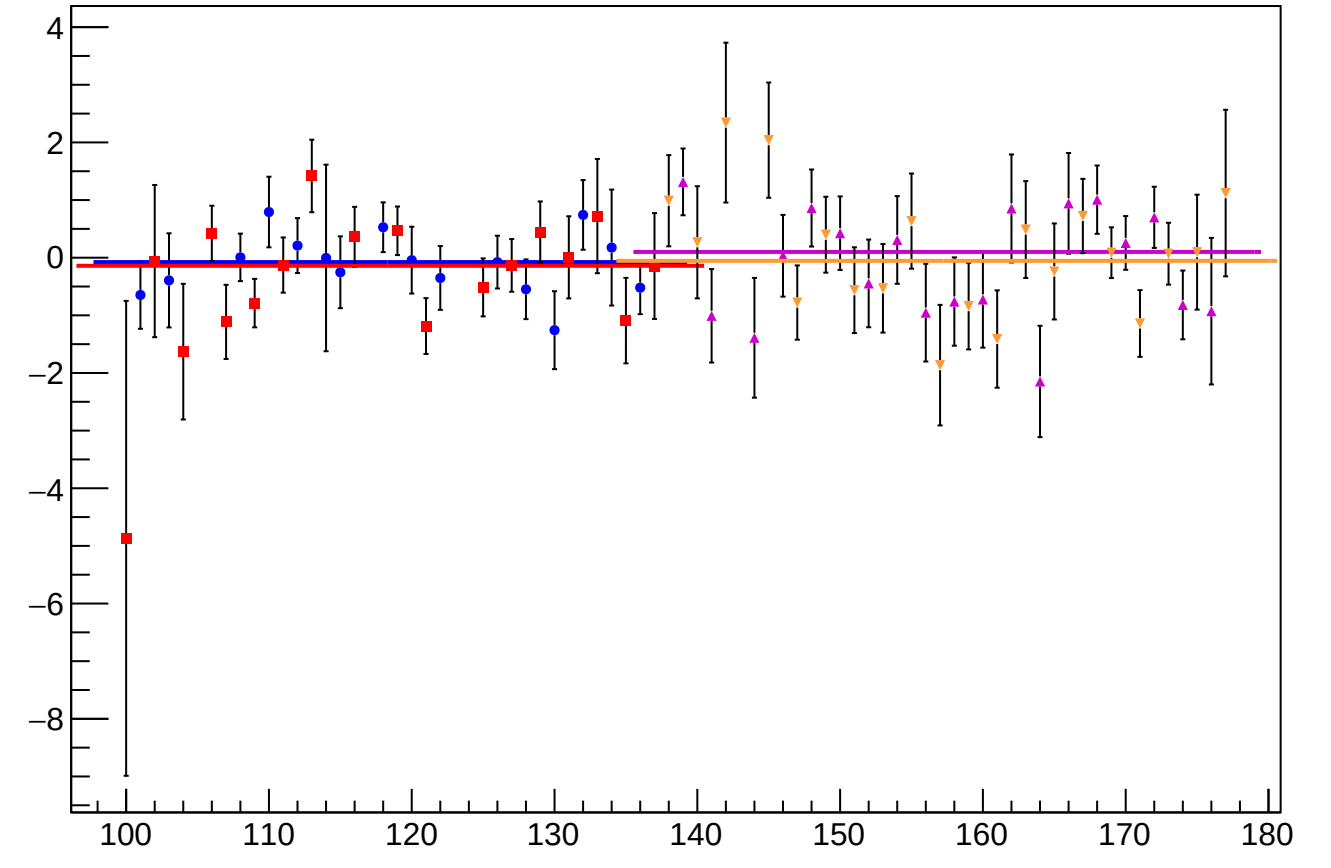
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1860677.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 2679674.5/35

All: 0.000+/-0.000 χ^2/NDF: 6557658.1/72

- sign 0.000+/-0.000 χ^2/NDF: 3842116.8/36



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.055+/-0.166 χ^2/NDF:25.5/19

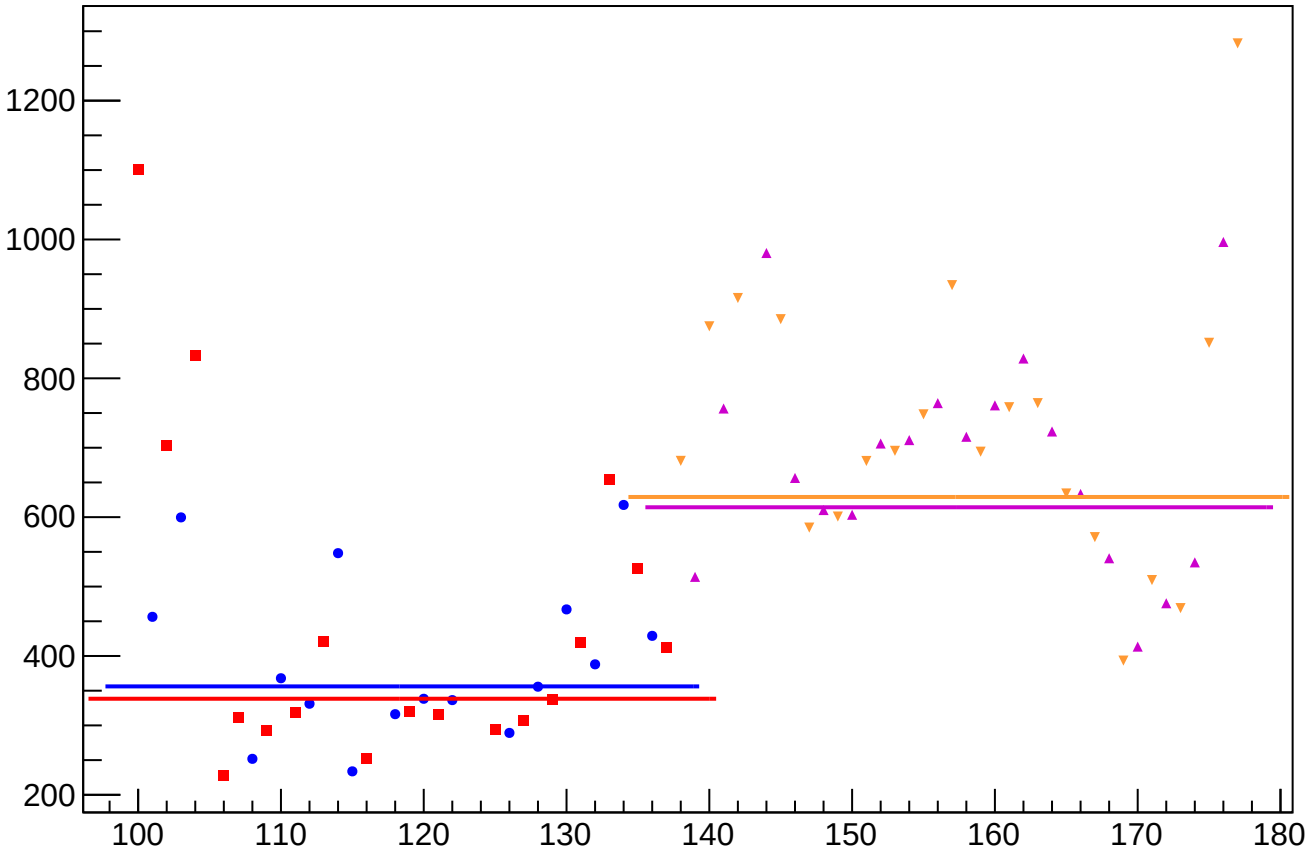
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.100+/-0.162 χ^2/NDF:28.0/18

+ sign -0.067+/-0.107 χ^2/NDF: 38.0/35

All: -0.053+/-0.075 χ^2/NDF: 94.3/72

- sign -0.039+/-0.105 χ^2/NDF: 56.3/36



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.062+/-0.117 χ^2/NDF:2077877.8/19

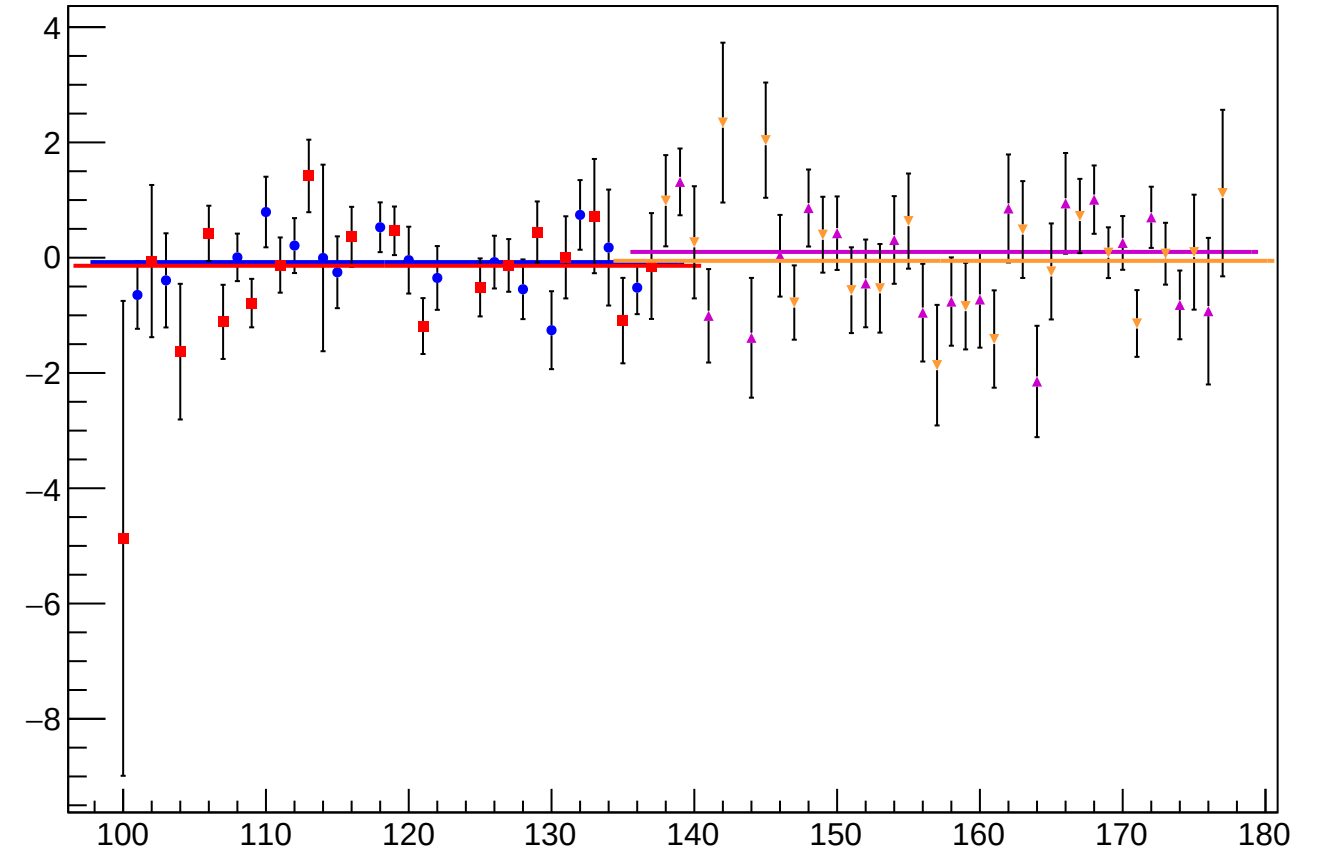
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 614.233+/-0.115 χ^2/NDF:1483496.8/18

+ sign 469.556+/-0.076 χ^2/NDF: 6024045.7/35

All: 461.779+/-0.053 χ^2/NDF: 12089222.9/72

- sign 454.275+/-0.074 χ^2/NDF: 6044403.5/36



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.055+/-0.166 χ^2/NDF:25.5/19

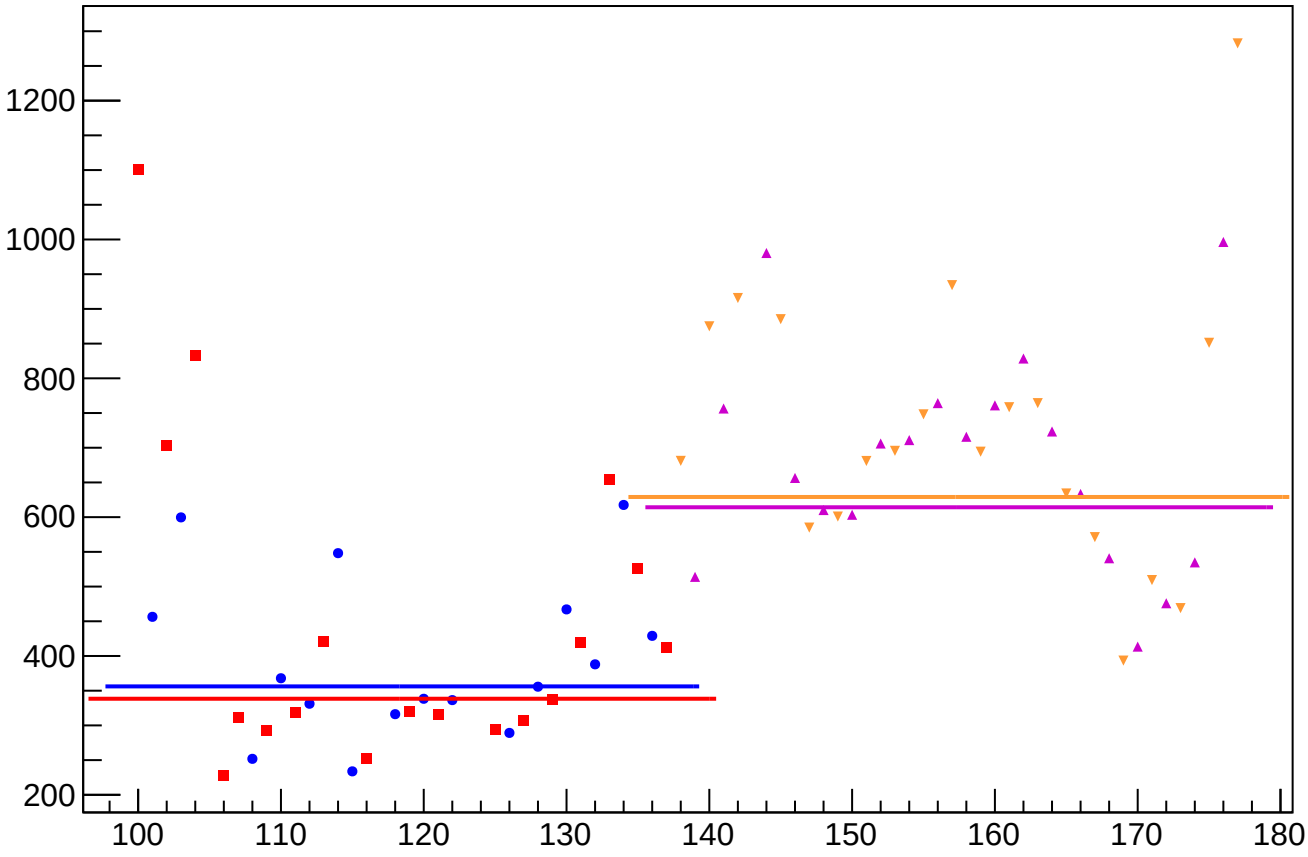
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.100+/-0.162 χ^2/NDF:28.0/18

+ sign -0.067+/-0.107 χ^2/NDF: 38.0/35

All: -0.053+/-0.075 χ^2/NDF: 94.3/72

- sign -0.039+/-0.105 χ^2/NDF: 56.3/36



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.062+/-0.117 χ^2/NDF:2077877.8/19

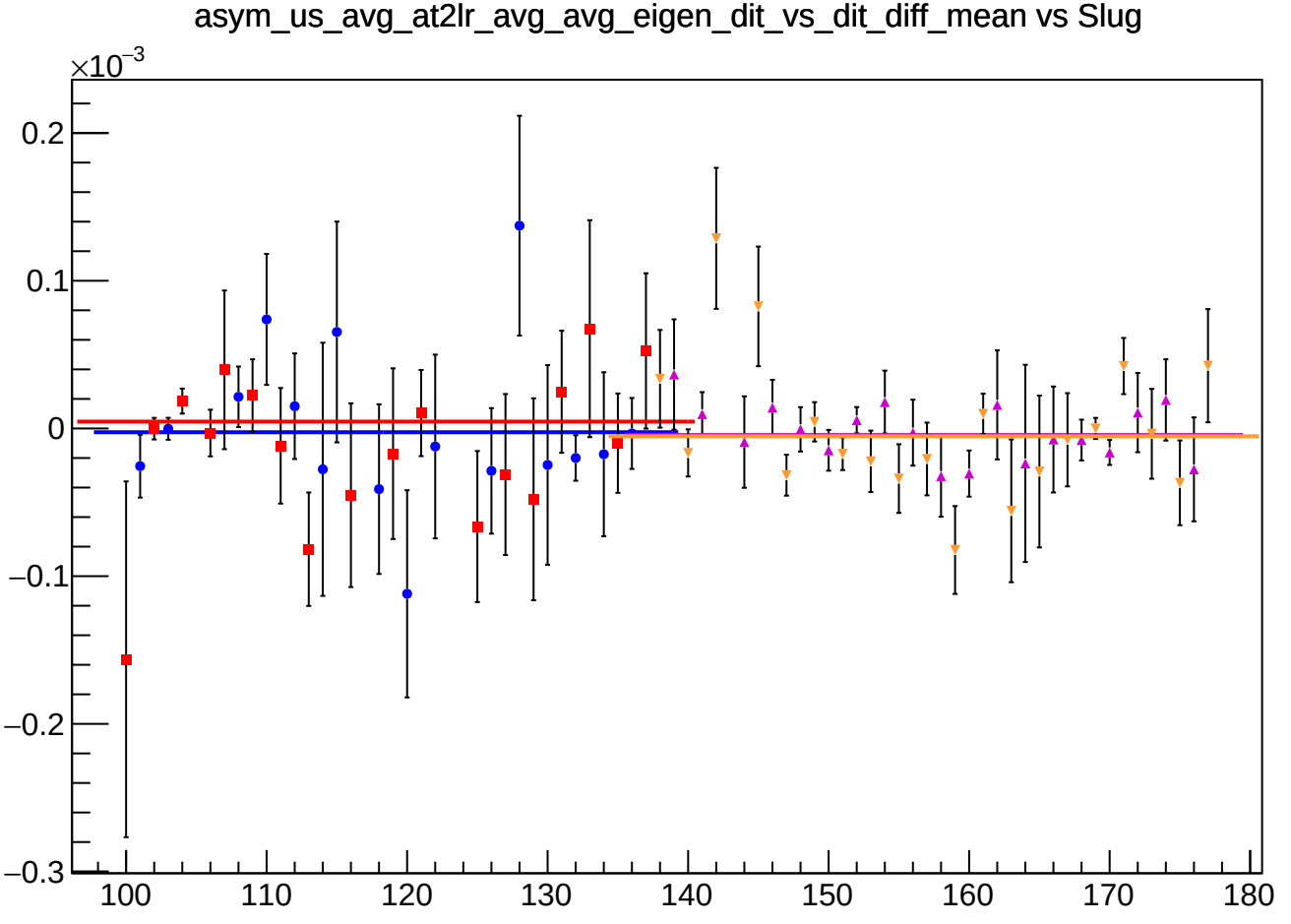
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 614.233+/-0.115 χ^2/NDF:1483496.8/18

+ sign 469.556+/-0.076 χ^2/NDF: 6024045.7/35

All: 461.779+/-0.053 χ^2/NDF: 12089222.9/72

- sign 454.275+/-0.074 χ^2/NDF: 6044403.5/36



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

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/19

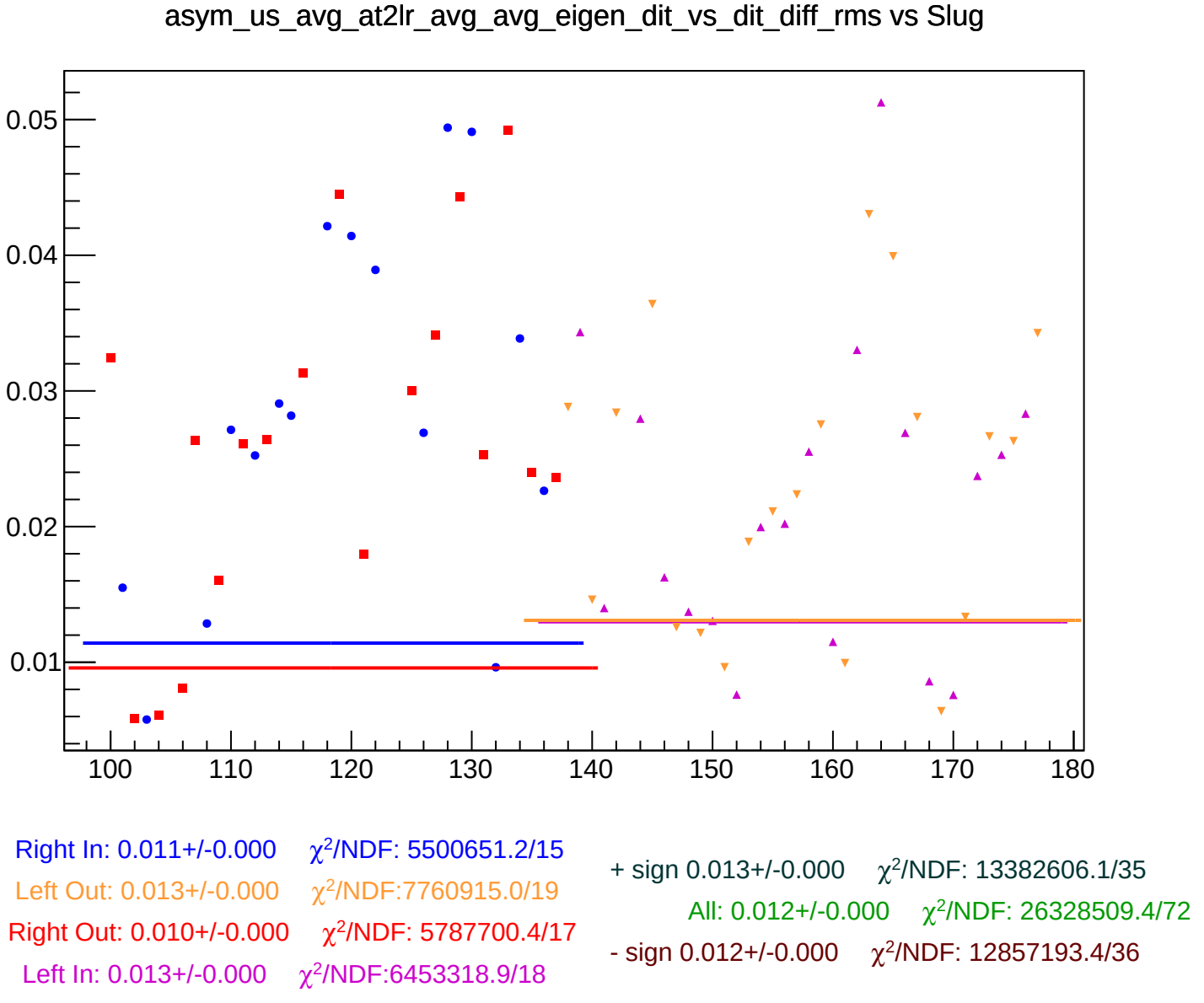
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

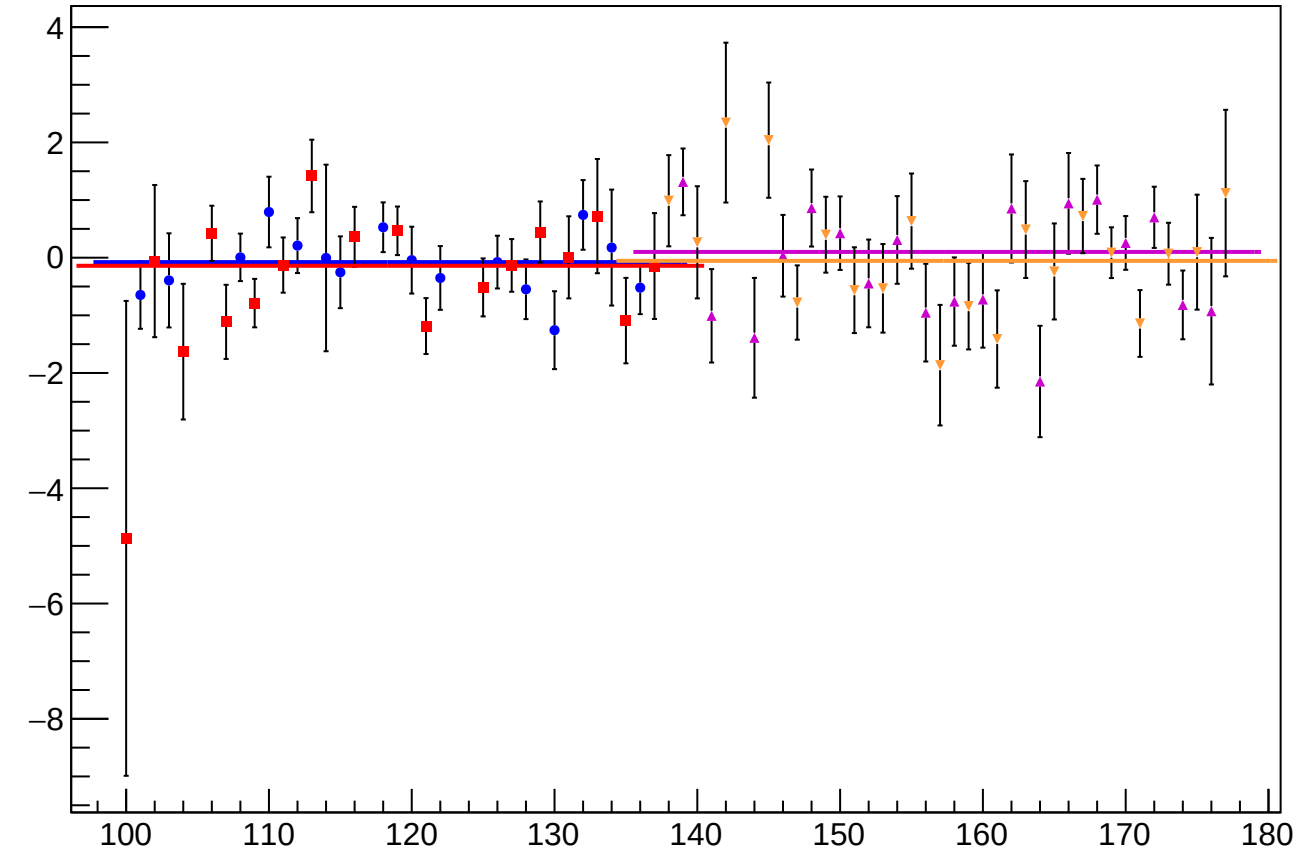
Left In: -0.000+/-0.000 χ^2/NDF:13.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/35

All: -0.000+/-0.000 χ^2/NDF: 90.2/72

- sign -0.000+/-0.000 χ^2/NDF: 33.1/36


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:7760915.0/19
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.013+/-0.000 χ²/NDF:6453318.9/18
+ sign 0.013+/-0.000 χ²/NDF: 13382606.1/35
All: 0.012+/-0.000 χ²/NDF: 26328509.4/72
- sign 0.012+/-0.000 χ²/NDF: 12857193.4/36



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.055+/-0.166 χ^2/NDF:25.5/19

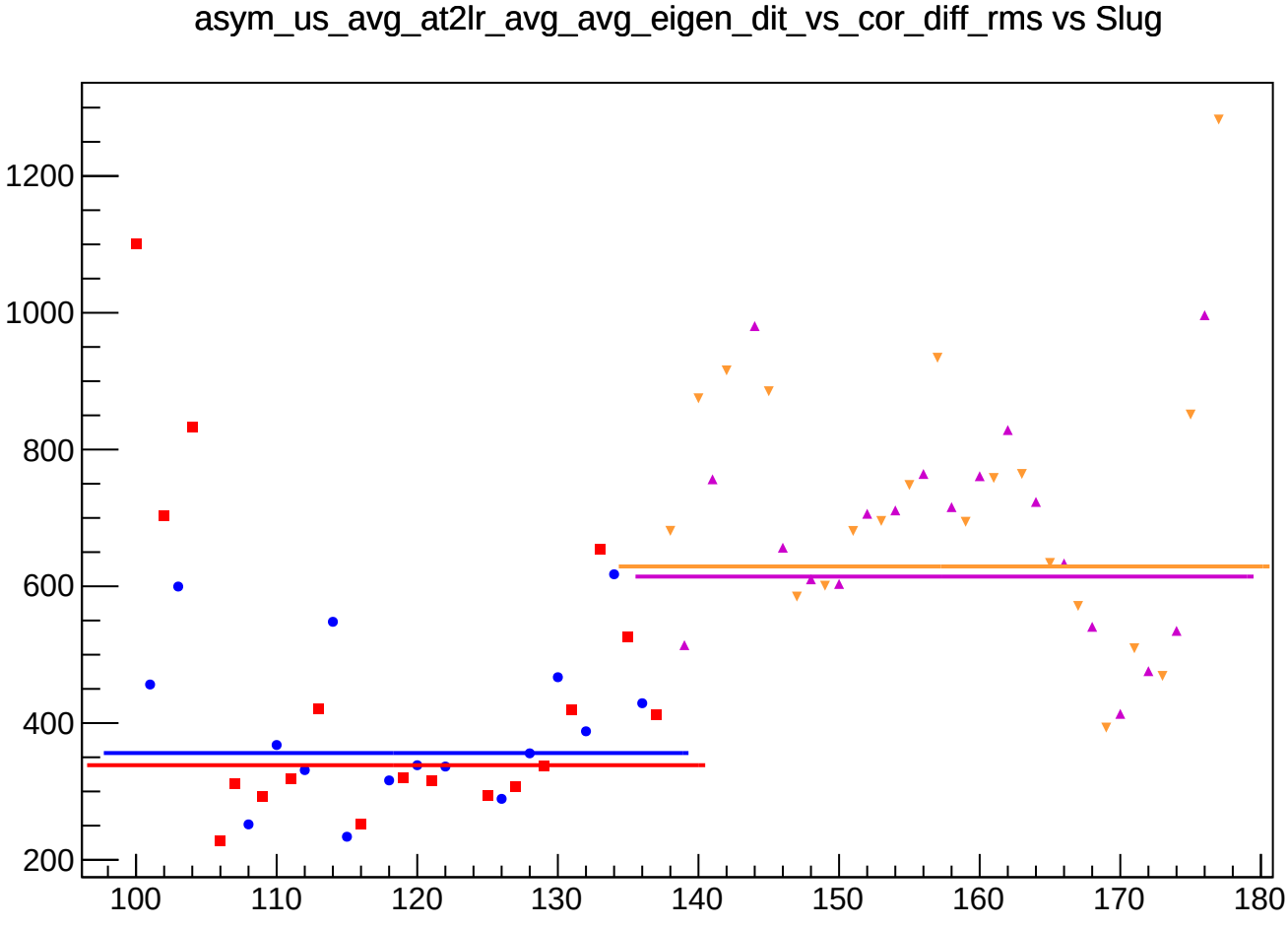
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.100+/-0.162 χ^2/NDF:28.0/18

+ sign -0.067+/-0.107 χ^2/NDF: 38.0/35

All: -0.053+/-0.075 χ^2/NDF: 94.3/72

- sign -0.039+/-0.105 χ^2/NDF: 56.3/36



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 629.062+/-0.117 χ^2/NDF:2078058.0/19

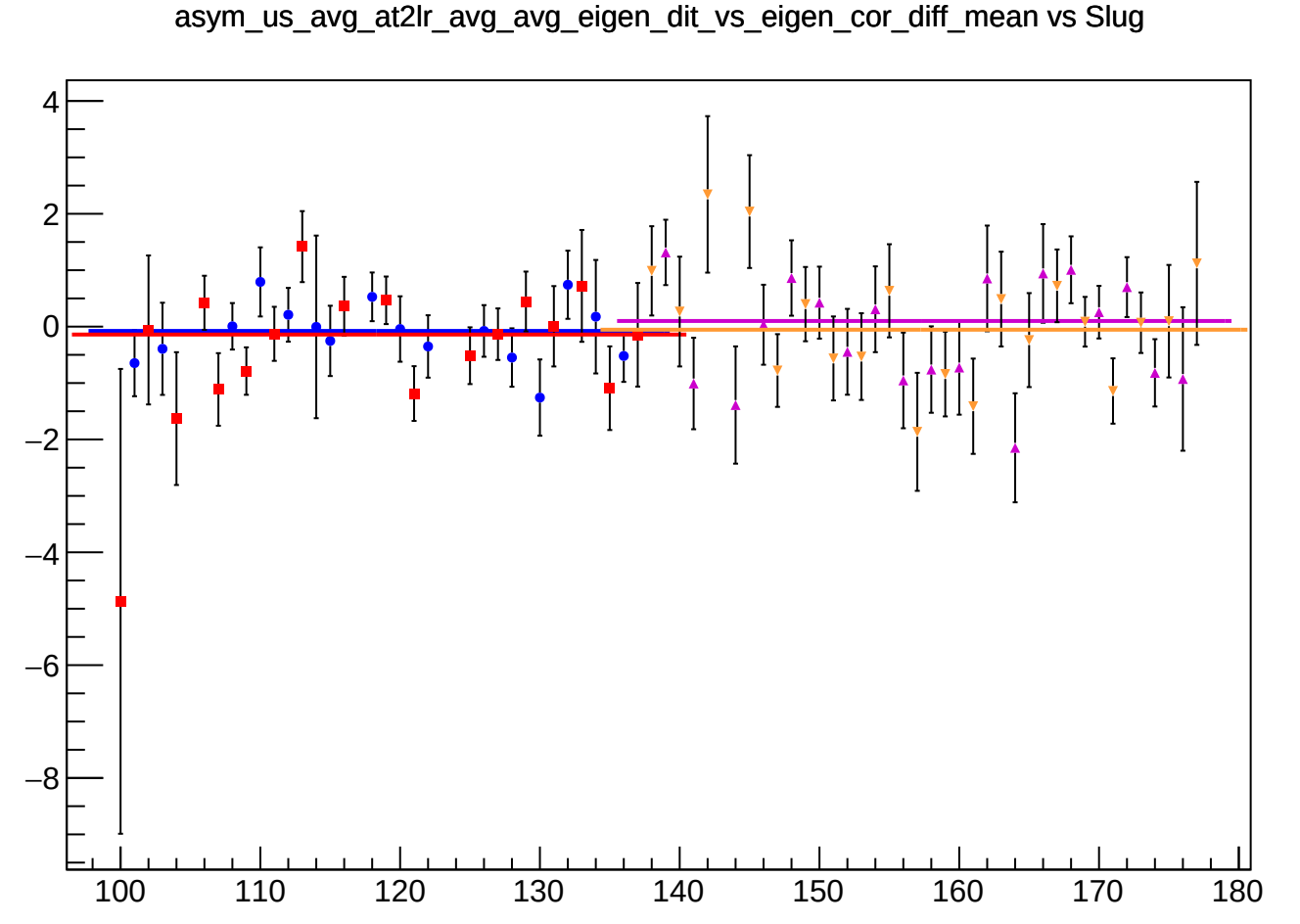
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 614.235+/-0.115 χ^2/NDF:1483618.6/18

+ sign 469.554+/-0.076 χ^2/NDF: 6024226.0/35

All: 461.777+/-0.053 χ^2/NDF: 12089612.5/72

- sign 454.273+/-0.074 χ^2/NDF: 6044612.7/36



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.055+/-0.166 χ^2/NDF:25.5/19

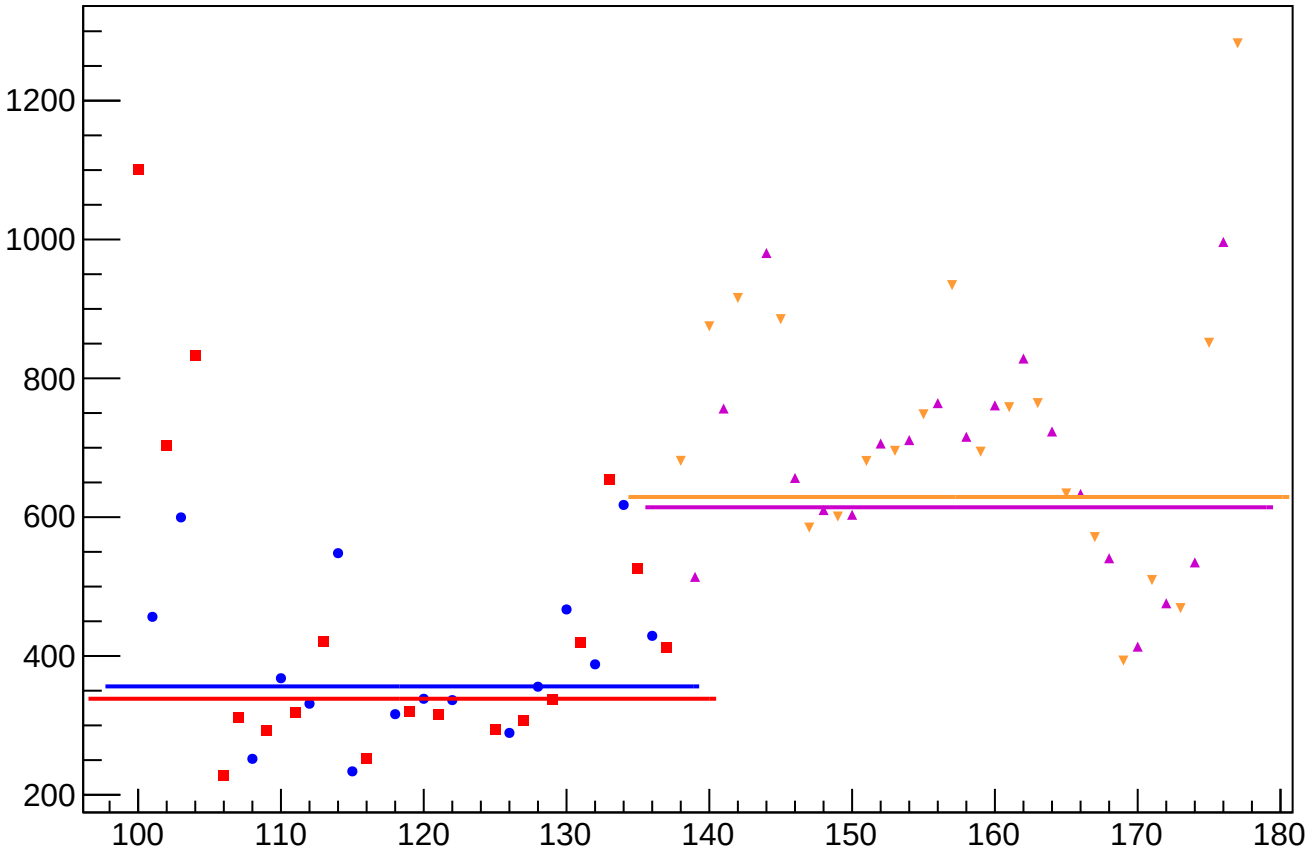
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.100+/-0.162 χ^2/NDF:28.0/18

+ sign -0.067+/-0.107 χ^2/NDF: 38.0/35

All: -0.053+/-0.075 χ^2/NDF: 94.3/72

- sign -0.039+/-0.105 χ^2/NDF: 56.3/36



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 629.062+/-0.117 χ^2/NDF:2078058.0/19

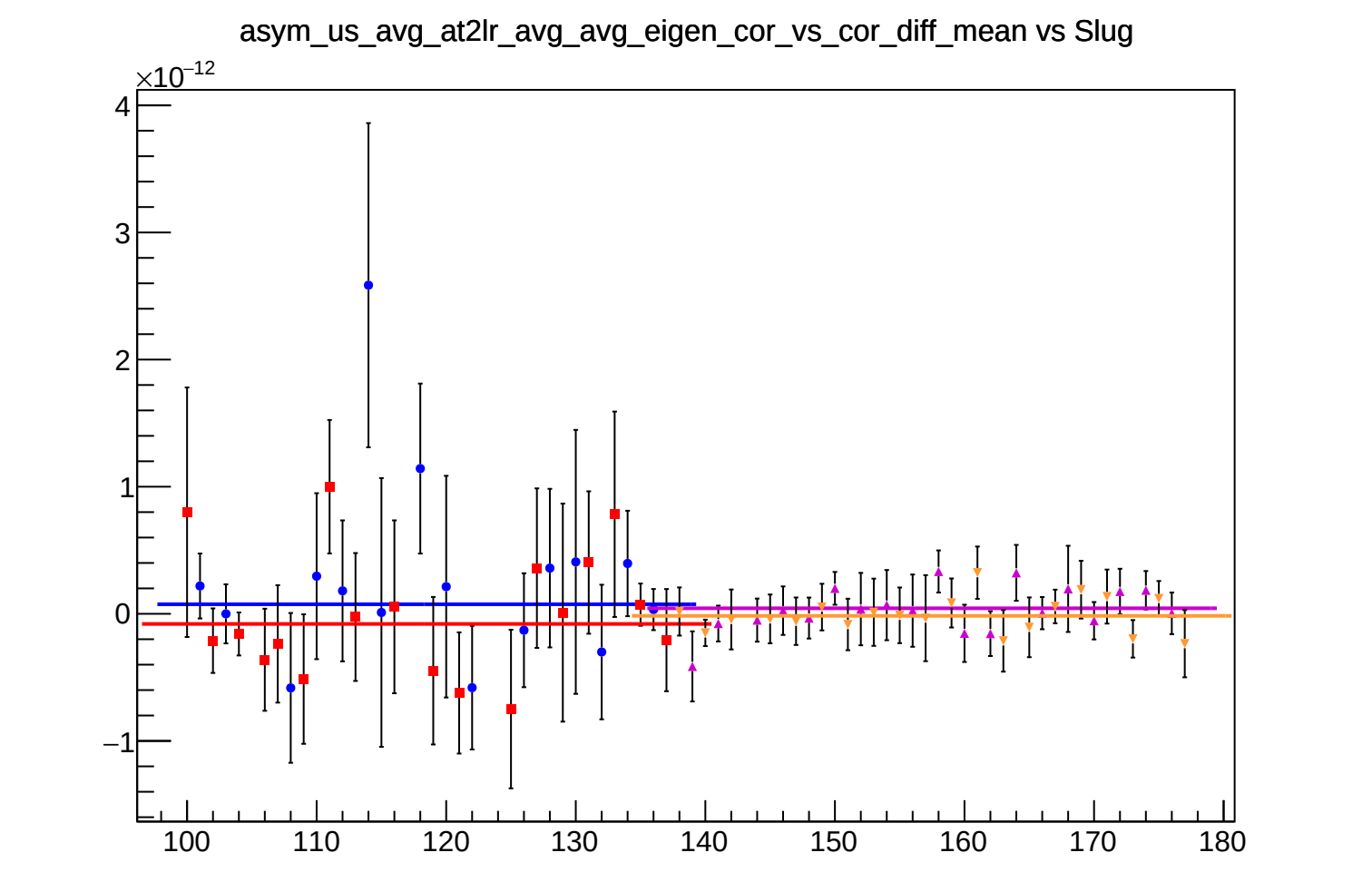
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 614.235+/-0.115 χ^2/NDF:1483618.6/18

+ sign 469.554+/-0.076 χ^2/NDF: 6024226.0/35

All: 461.777+/-0.053 χ^2/NDF: 12089612.5/72

- sign 454.273+/-0.074 χ^2/NDF: 6044612.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/19

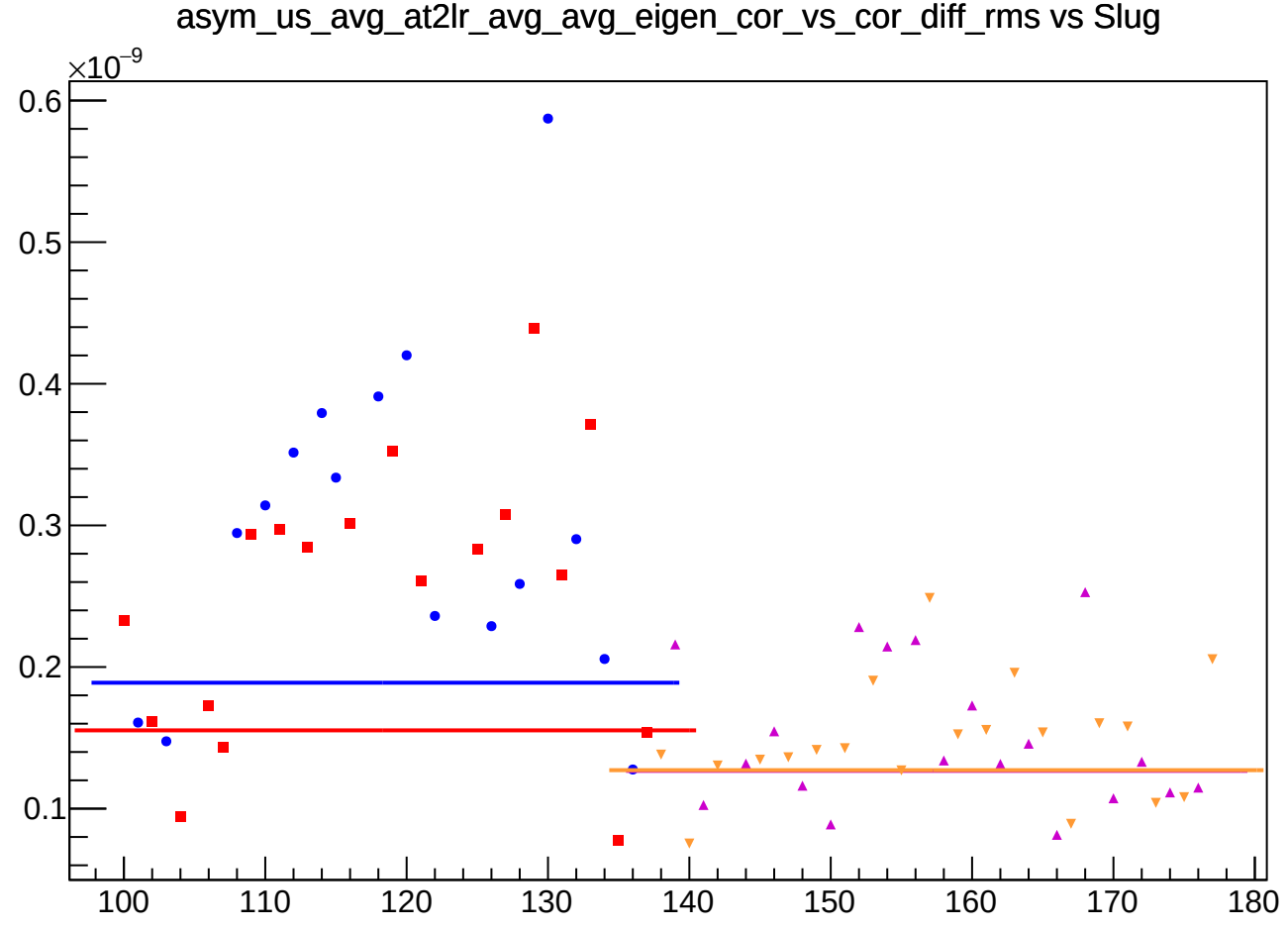
Right Out: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 23.2/35

All: 0.000+/-0.000 χ^2/NDF: 52.6/72

- sign 0.000+/-0.000 χ^2/NDF: 29.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1679327.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

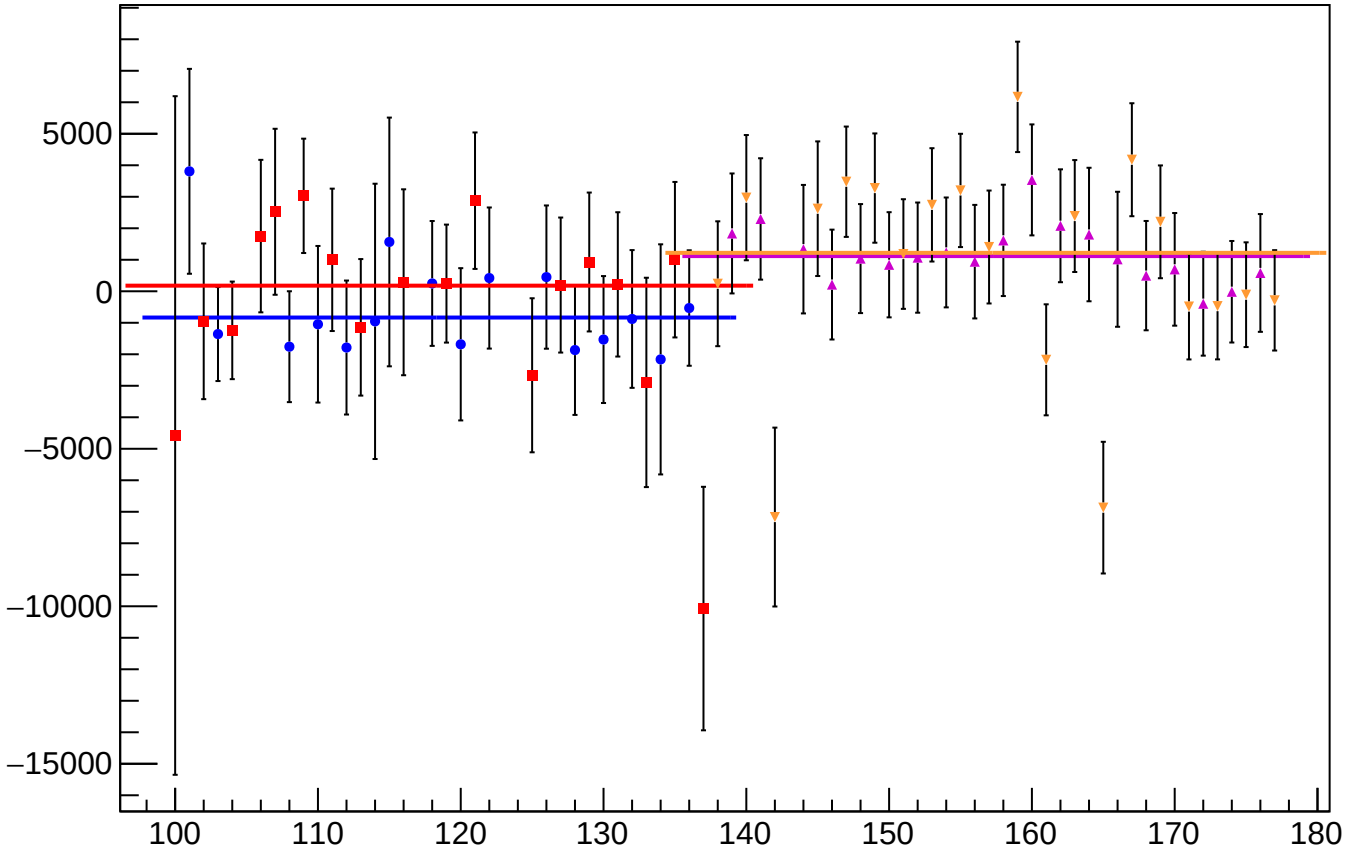
Left In: 0.000+/-0.000 χ^2/NDF:1865446.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 3893973.9/35

All: 0.000+/-0.000 χ^2/NDF: 8158633.7/72

- sign 0.000+/-0.000 χ^2/NDF: 4248644.3/36

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1220.067+/-406.720 χ^2/NDF:48.9/19

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

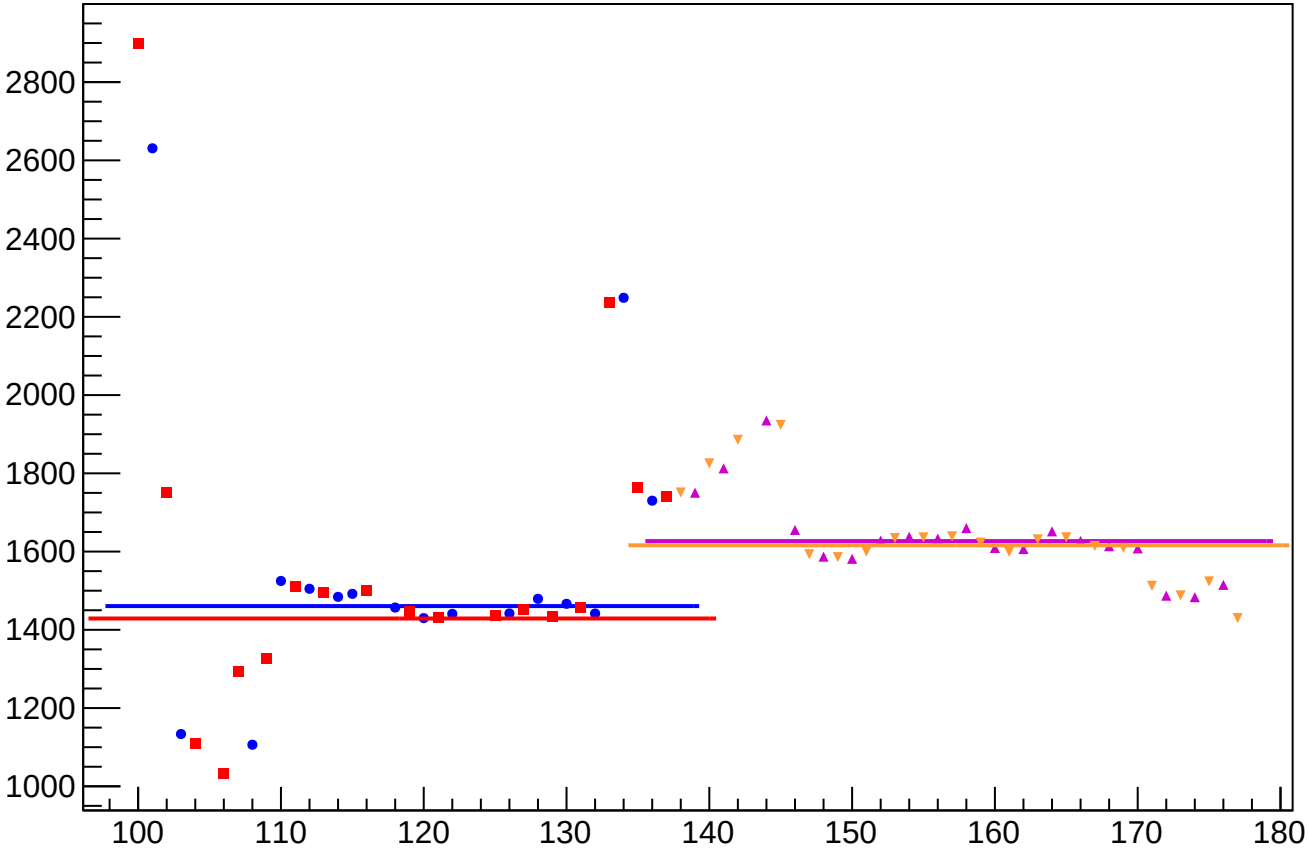
Left In: 1117.164+/-413.490 χ^2/NDF:4.8/18

+ sign 502.282+/-328.025 χ^2/NDF: 62.4/35

All: 638.511+/-232.655 χ^2/NDF: 85.9/72

- sign 776.413+/-330.032 χ^2/NDF: 23.1/36

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1616.002+/-0.288 χ^2/NDF:145993.3/19

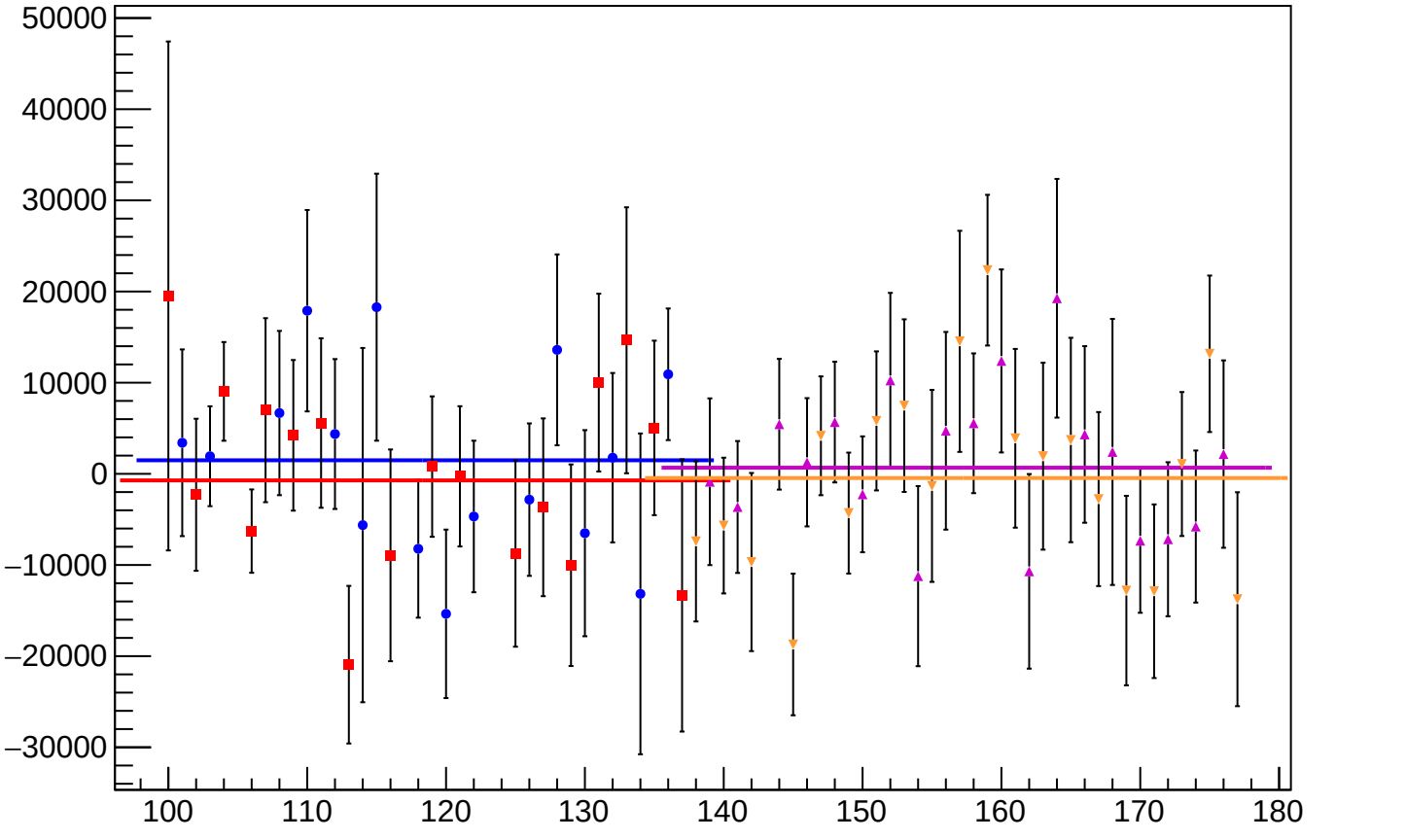
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

+ sign 1561.702+/-0.232 χ^2/NDF: 823716.5/35

All: 1558.020+/-0.164 χ^2/NDF: 1518290.1/72

- sign 1554.313+/-0.233 χ^2/NDF: 694067.8/36



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -457.273+/-1964.589 χ^2/NDF:26.3/19

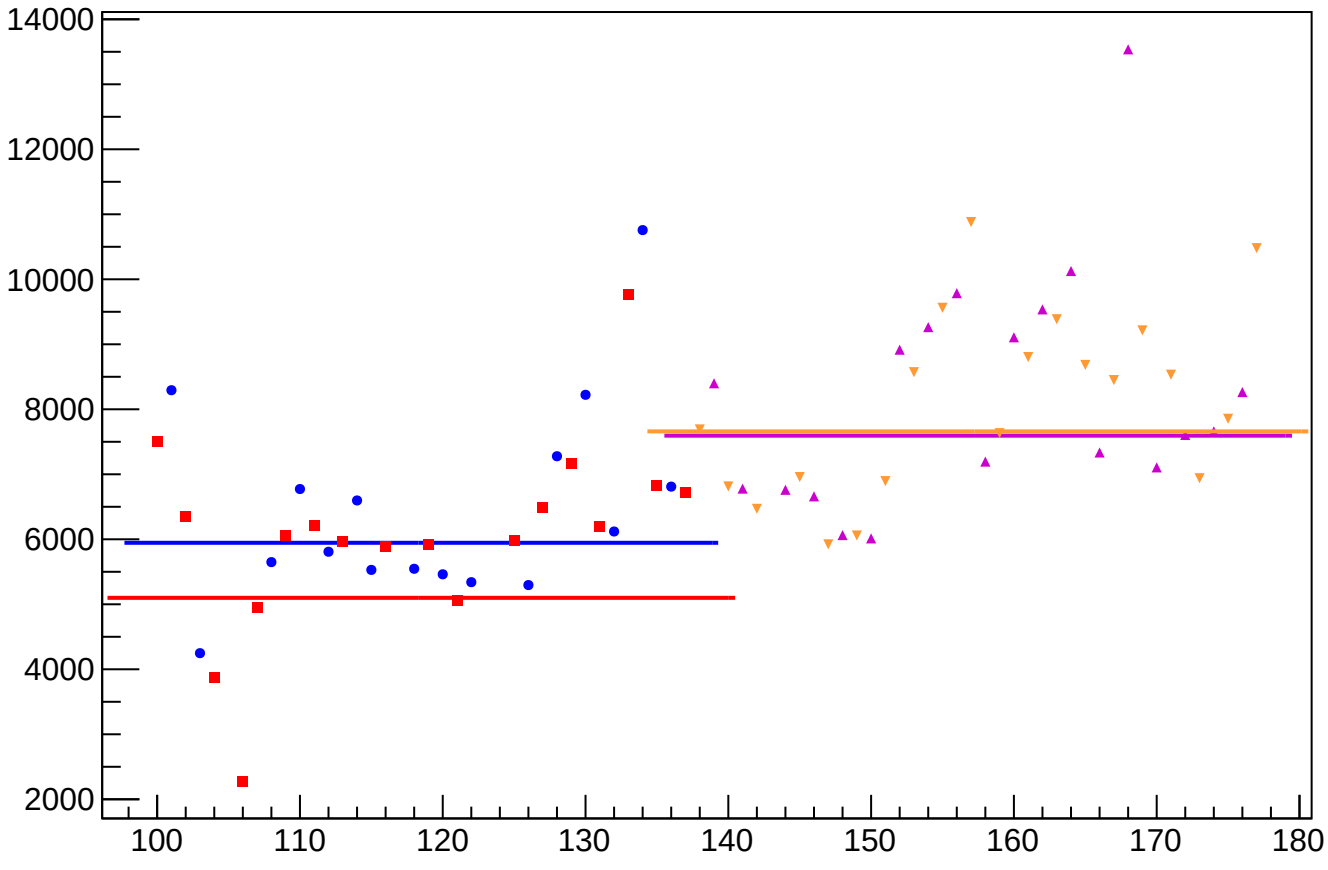
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 673.970+/-1966.435 χ^2/NDF:11.8/18

+ sign 376.378+/-1484.954 χ^2/NDF: 40.9/35

All: 174.098+/-1021.025 χ^2/NDF: 70.5/72

- sign -7.286+/-1406.162 χ^2/NDF: 29.5/36



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7659.831+/-1.389 χ^2/NDF:884410.2/19

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

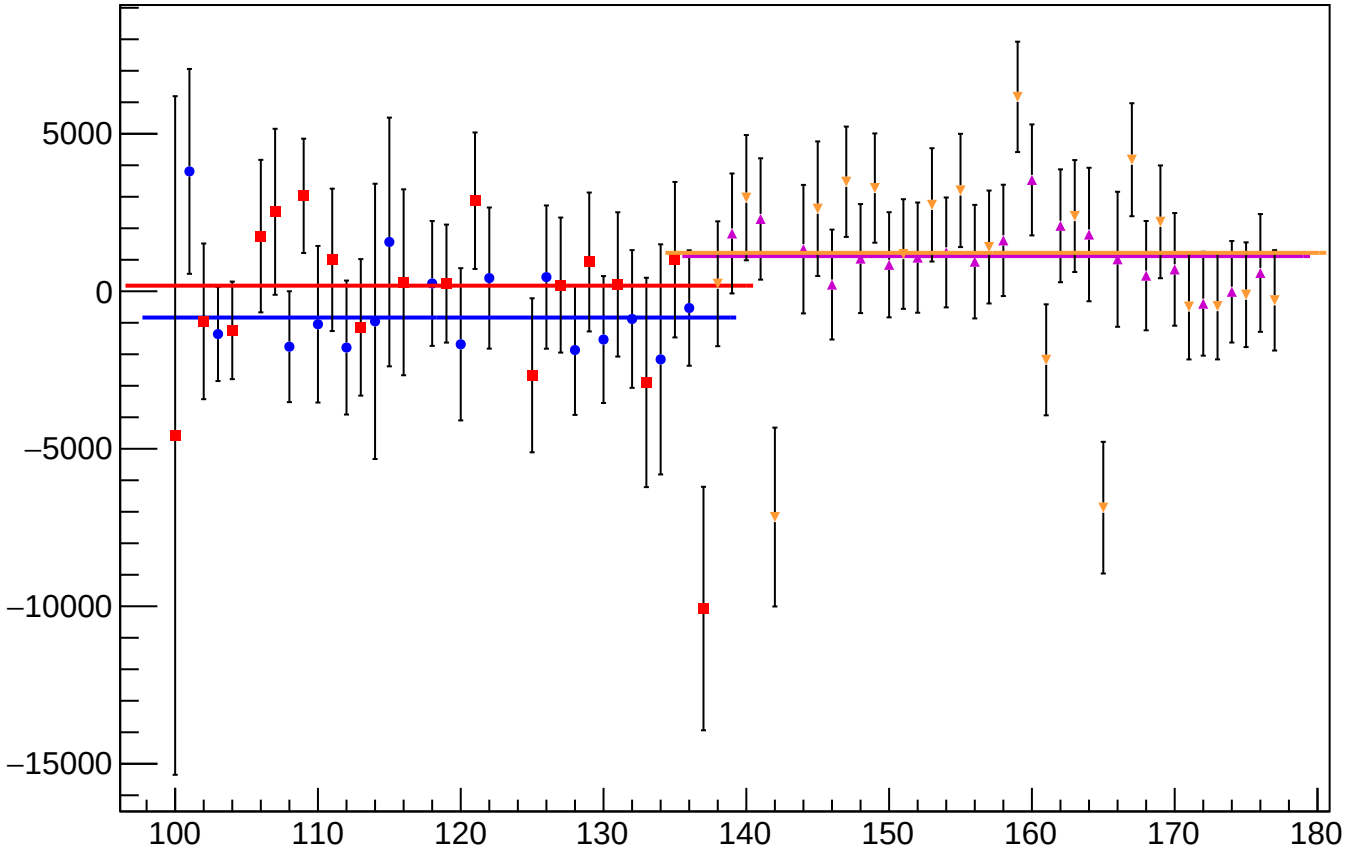
Left In: 7594.105+/-1.390 χ^2/NDF:1051752.6/18

+ sign 6925.187+/-1.050 χ^2/NDF: 2177937.7/35

All: 6635.129+/-0.722 χ^2/NDF: 6427772.8/72

- sign 6375.035+/-0.994 χ^2/NDF: 4105100.5/36

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1220.154+/-406.720 χ^2/NDF:48.9/19

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

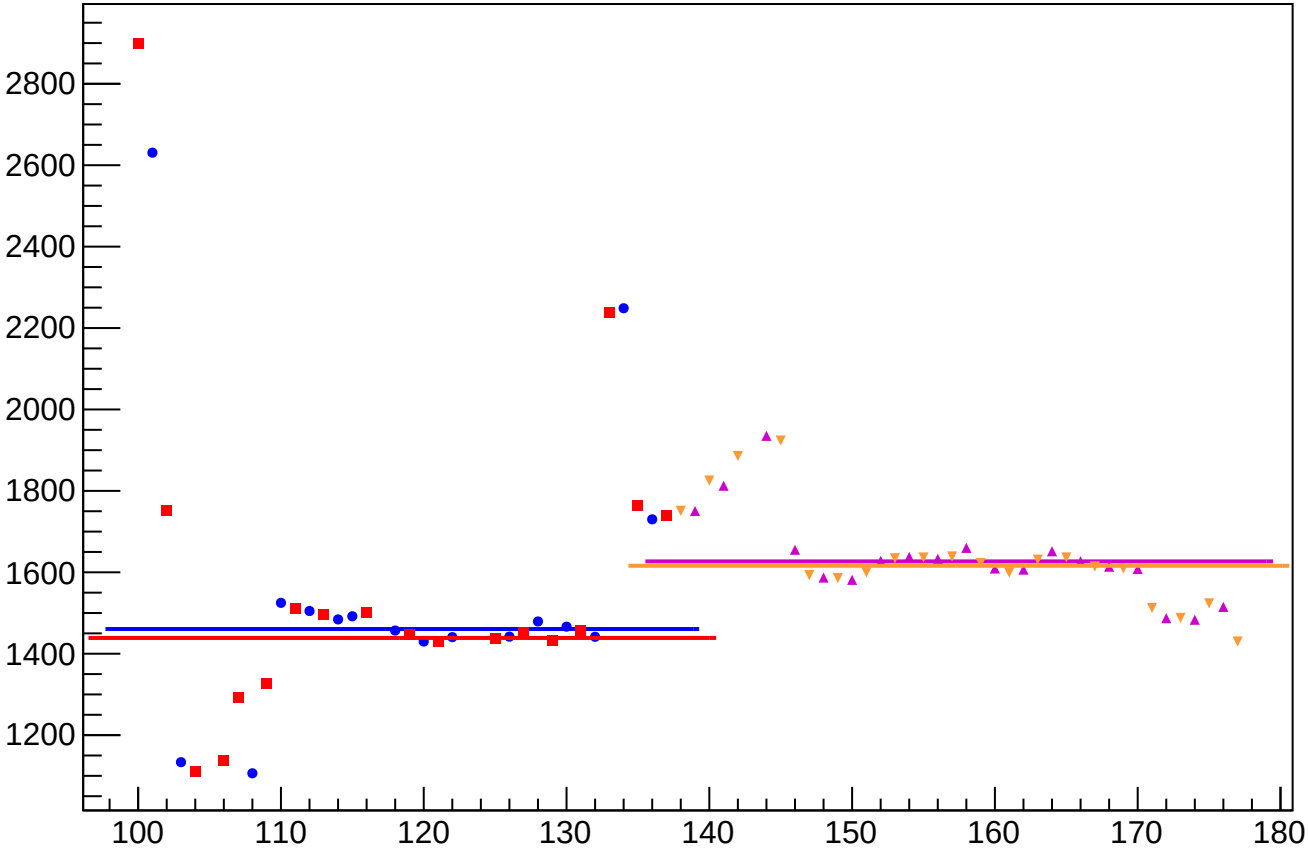
Left In: 1117.096+/-413.490 χ^2/NDF:4.8/18

+ sign 502.316+/-328.025 χ^2/NDF: 62.4/35

All: 638.478+/-232.655 χ^2/NDF: 85.9/72

- sign 776.311+/-330.032 χ^2/NDF: 23.1/36

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1616.002+/-0.288 χ^2/NDF:145993.3/19

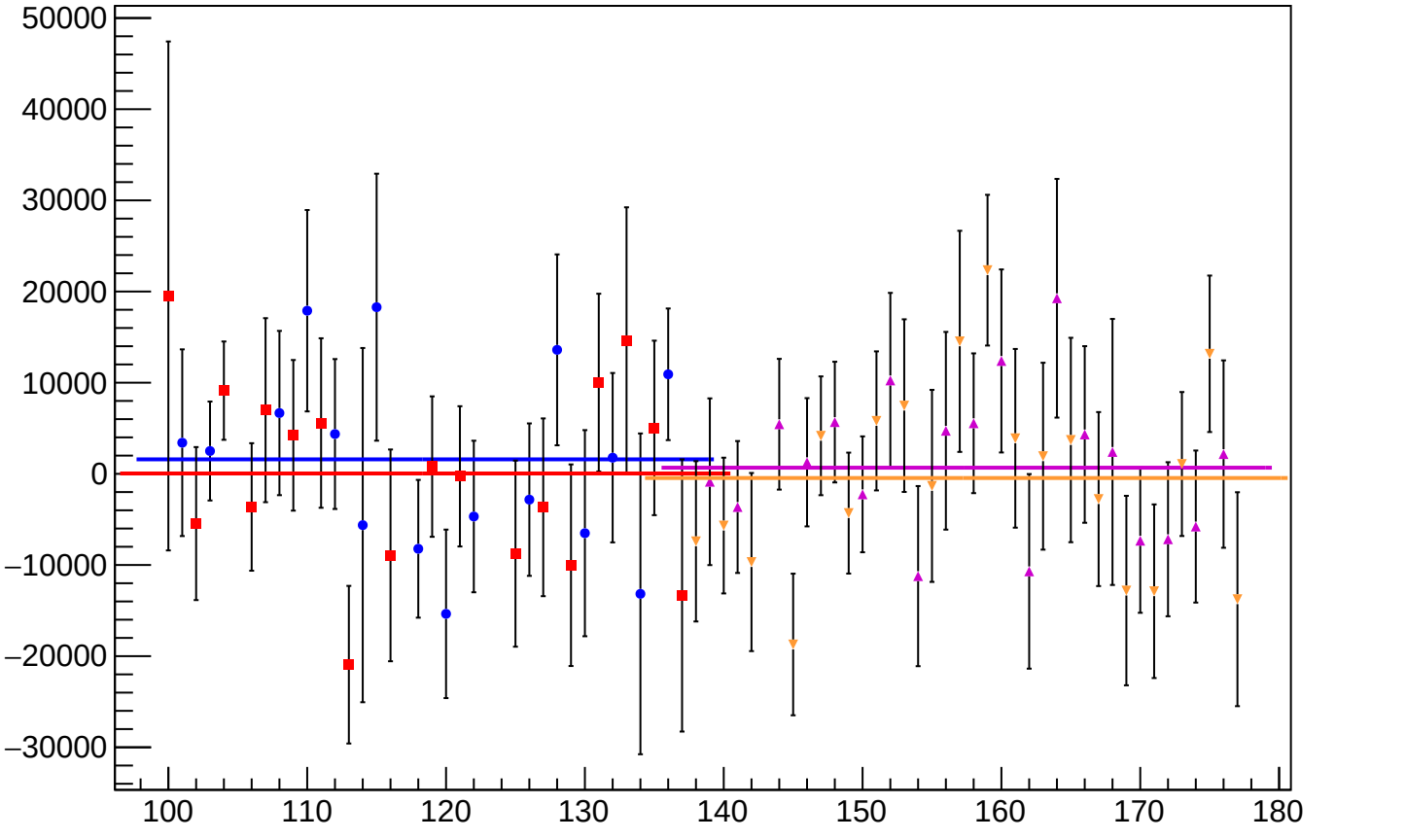
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

+ sign 1561.702+/-0.232 χ^2/NDF: 823716.9/35

All: 1560.039+/-0.164 χ^2/NDF: 1462759.1/72

- sign 1558.358+/-0.233 χ^2/NDF: 638938.8/36



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -457.270+/-1964.589 χ^2/NDF:26.3/19

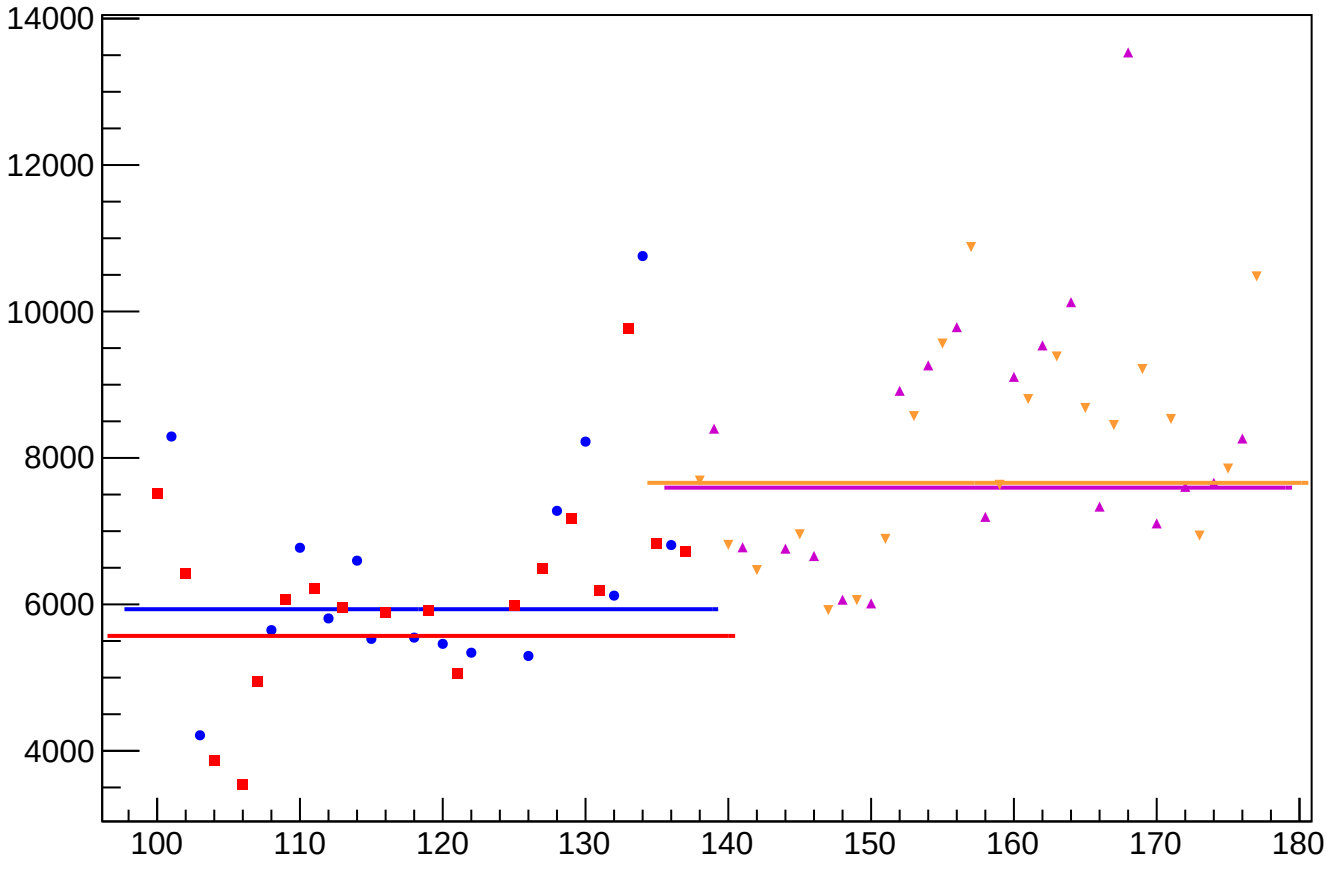
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 674.013+/-1966.433 χ^2/NDF:11.8/18

+ sign 421.435+/-1483.895 χ^2/NDF: 41.0/35

All: 401.731+/-1035.539 χ^2/NDF: 69.2/72

- sign 383.026+/-1445.795 χ^2/NDF: 28.3/36



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7659.830+/-1.389 χ^2/NDF:884410.0/19

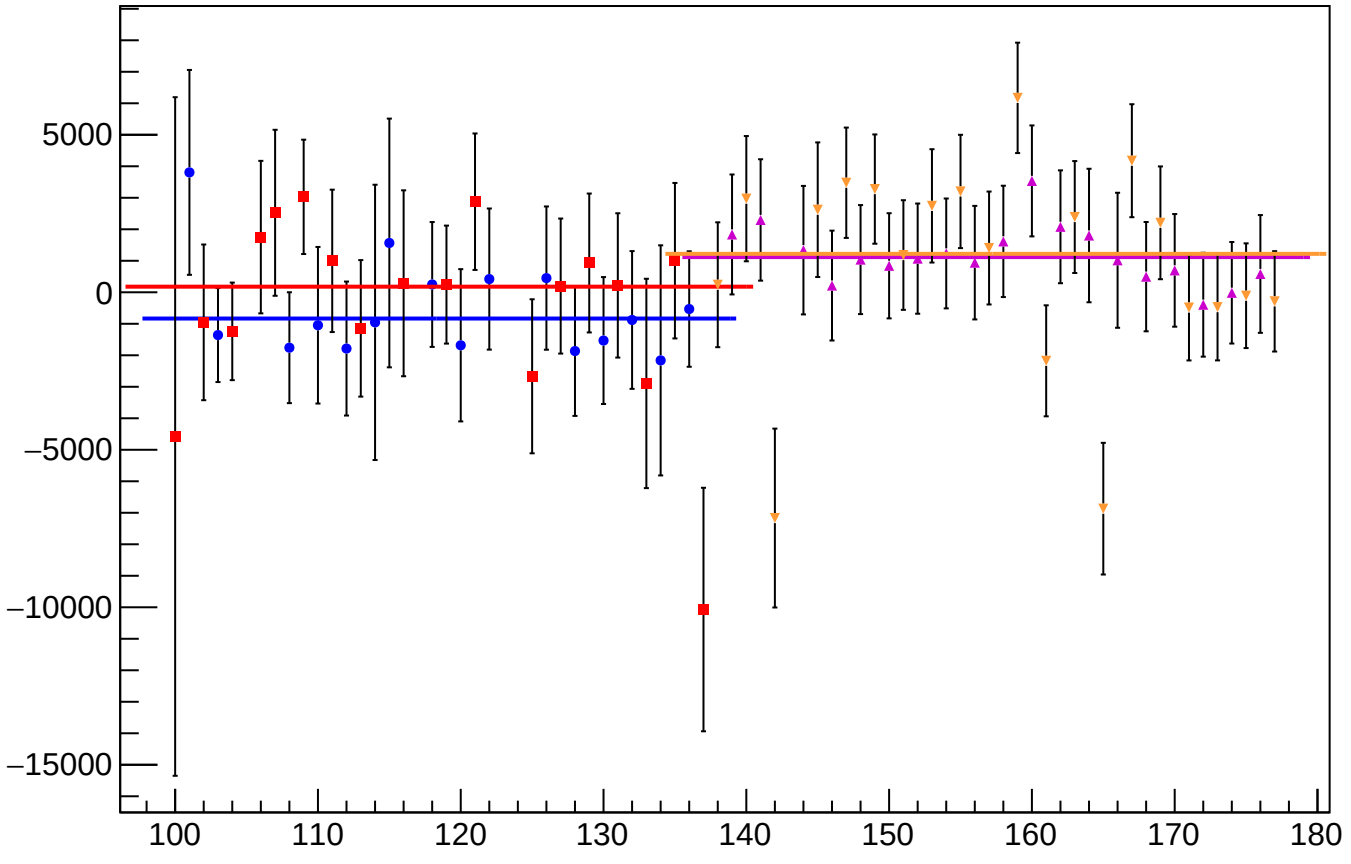
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7594.099+/-1.390 χ^2/NDF:1051756.1/18

+ sign 6918.692+/-1.049 χ^2/NDF: 2200214.2/35

All: 6788.031+/-0.732 χ^2/NDF: 4980158.3/72

- sign 6663.994+/-1.022 χ^2/NDF: 2749717.0/36



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1220.154+/-406.720 χ^2/NDF:48.9/19

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

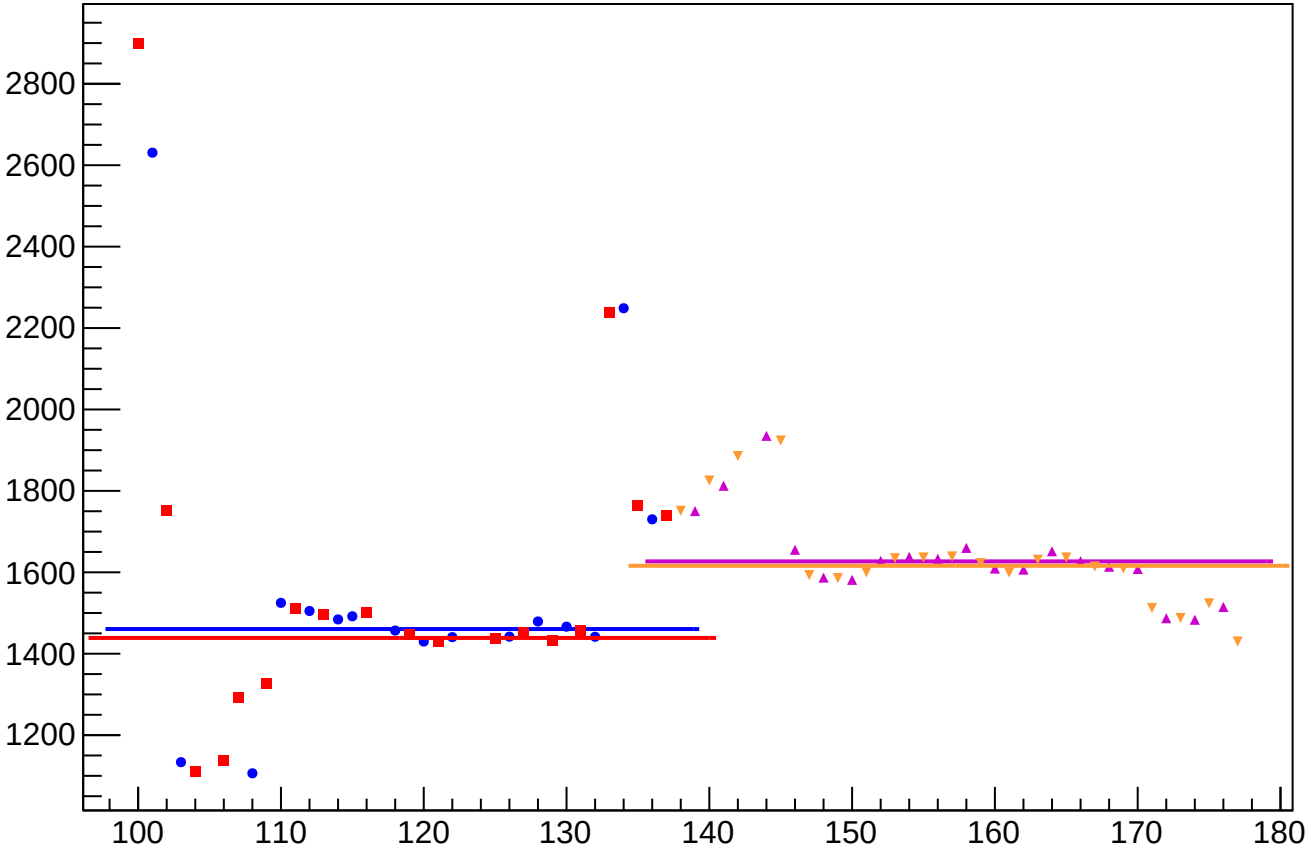
Left In: 1117.096+/-413.490 χ^2/NDF:4.8/18

\+ sign 502.316+/-328.025 χ^2/NDF: 62.4/35

All: 638.478+/-232.655 χ^2/NDF: 85.9/72

\- sign 776.311+/-330.032 χ^2/NDF: 23.1/36

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1616.002+/-0.288 χ^2/NDF:145993.3/19

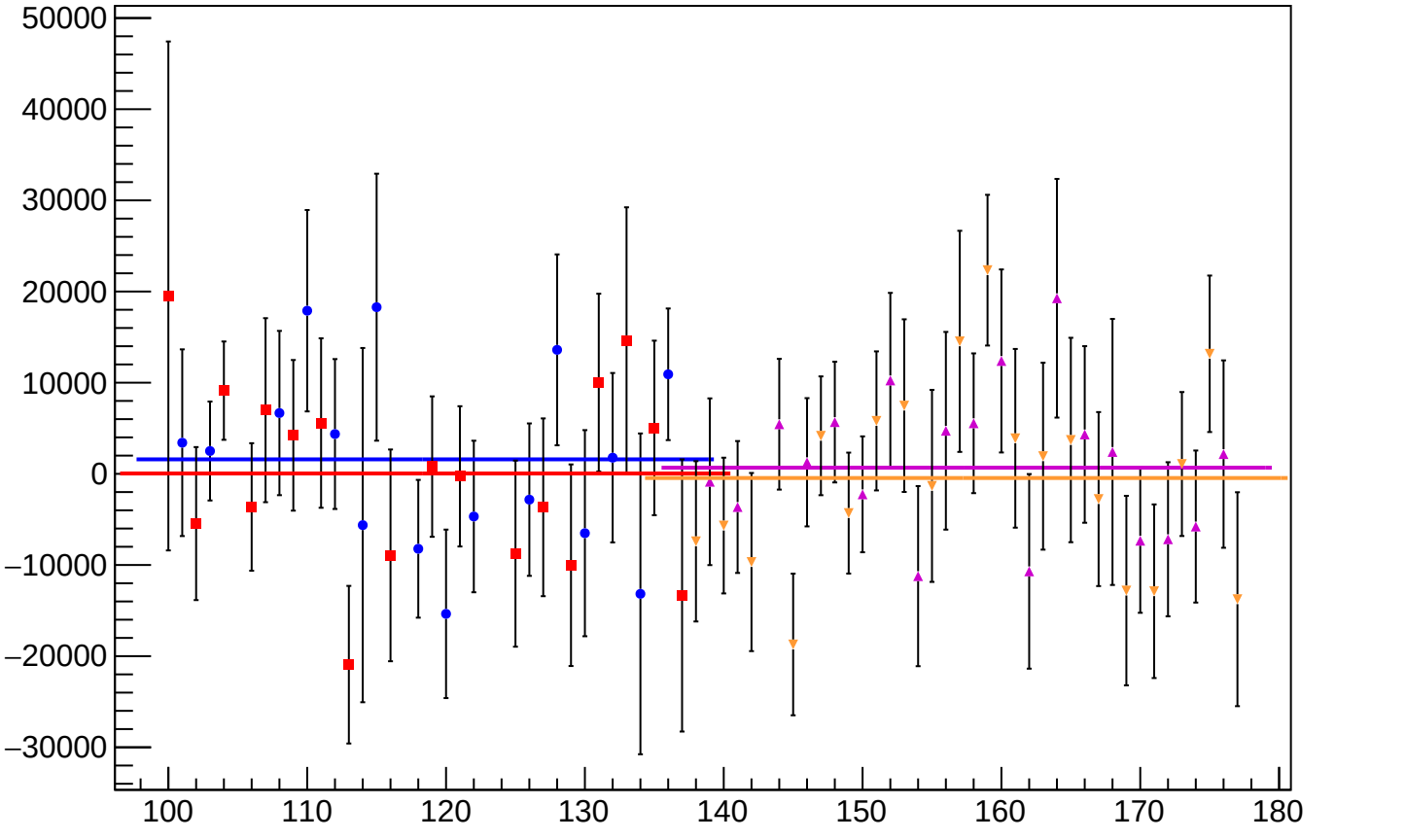
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

+ sign 1561.702+/-0.232 χ^2/NDF: 823716.9/35

All: 1560.039+/-0.164 χ^2/NDF: 1462759.1/72

- sign 1558.358+/-0.233 χ^2/NDF: 638938.8/36



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -457.270+/-1964.589 χ^2/NDF:26.3/19

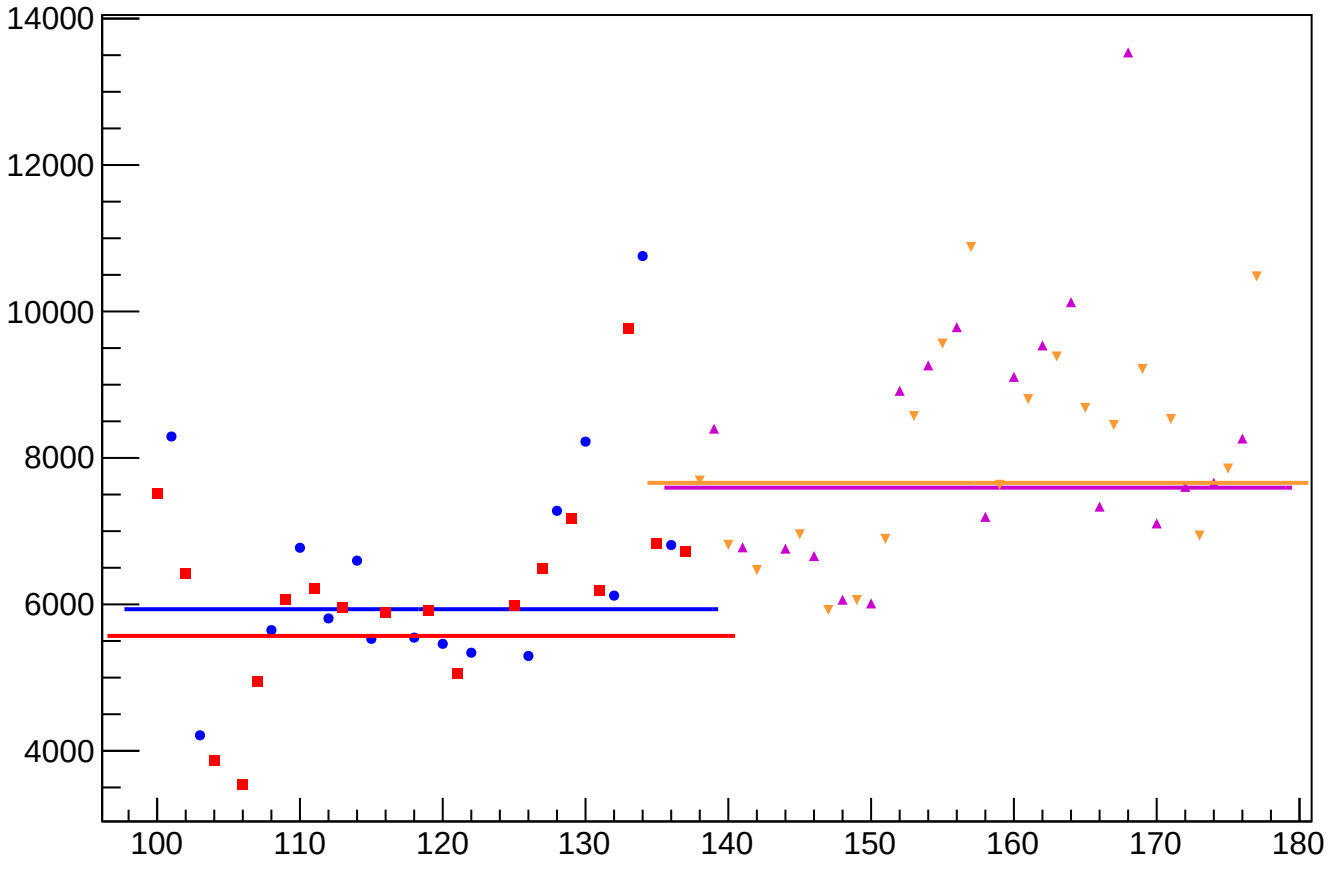
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 674.013+/-1966.433 χ^2/NDF:11.8/18

+ sign 421.435+/-1483.895 χ^2/NDF: 41.0/35

All: 401.731+/-1035.539 χ^2/NDF: 69.2/72

- sign 383.026+/-1445.795 χ^2/NDF: 28.3/36



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7659.830+/-1.389 χ^2/NDF:884410.0/19

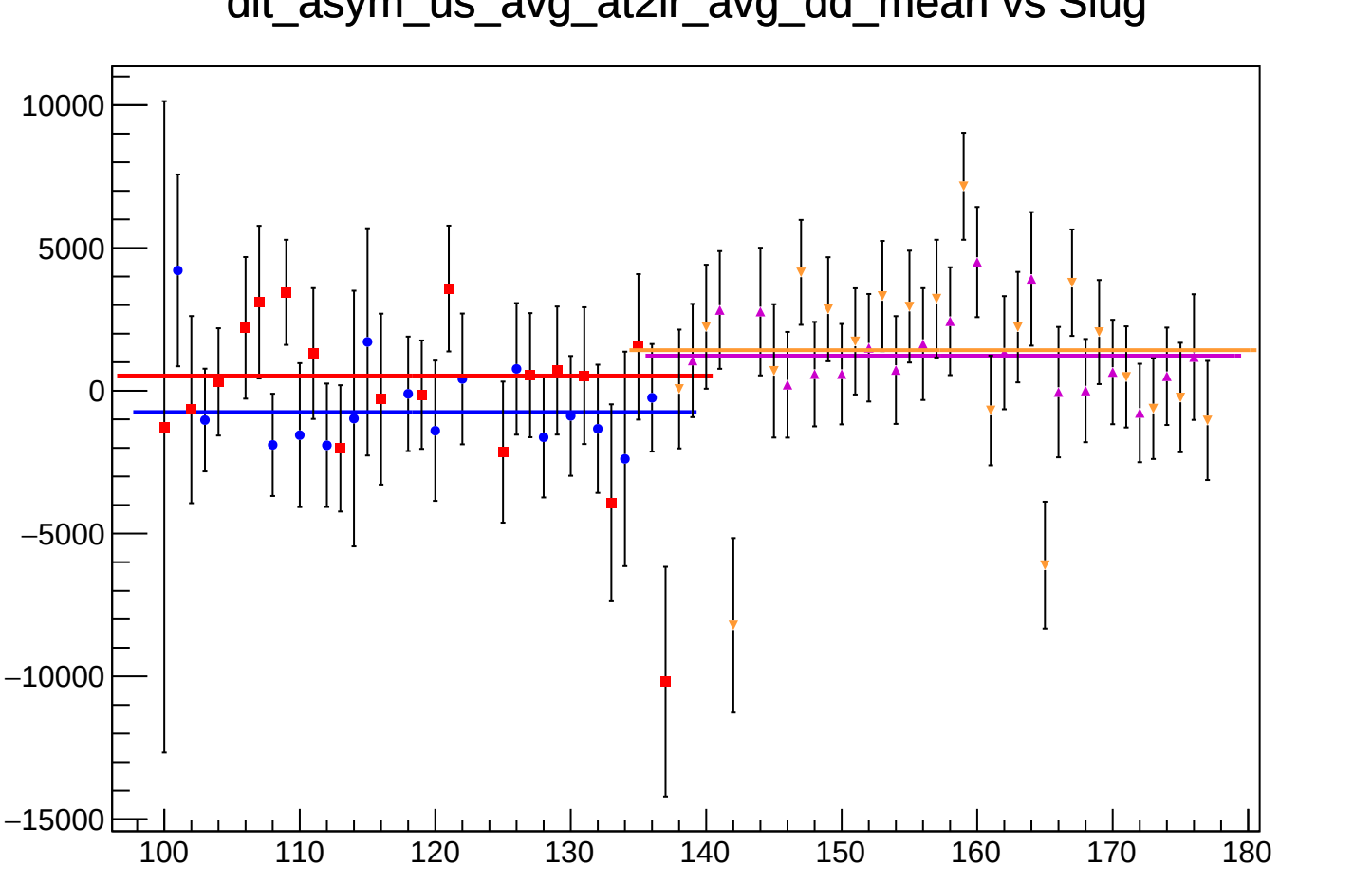
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7594.099+/-1.390 χ^2/NDF:1051756.1/18

+ sign 6918.692+/-1.049 χ^2/NDF: 2200214.2/35

All: 6788.031+/-0.732 χ^2/NDF: 4980158.3/72

- sign 6663.994+/-1.022 χ^2/NDF: 2749717.0/36



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1422.207+/-440.781 χ^2/NDF:43.6/19

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

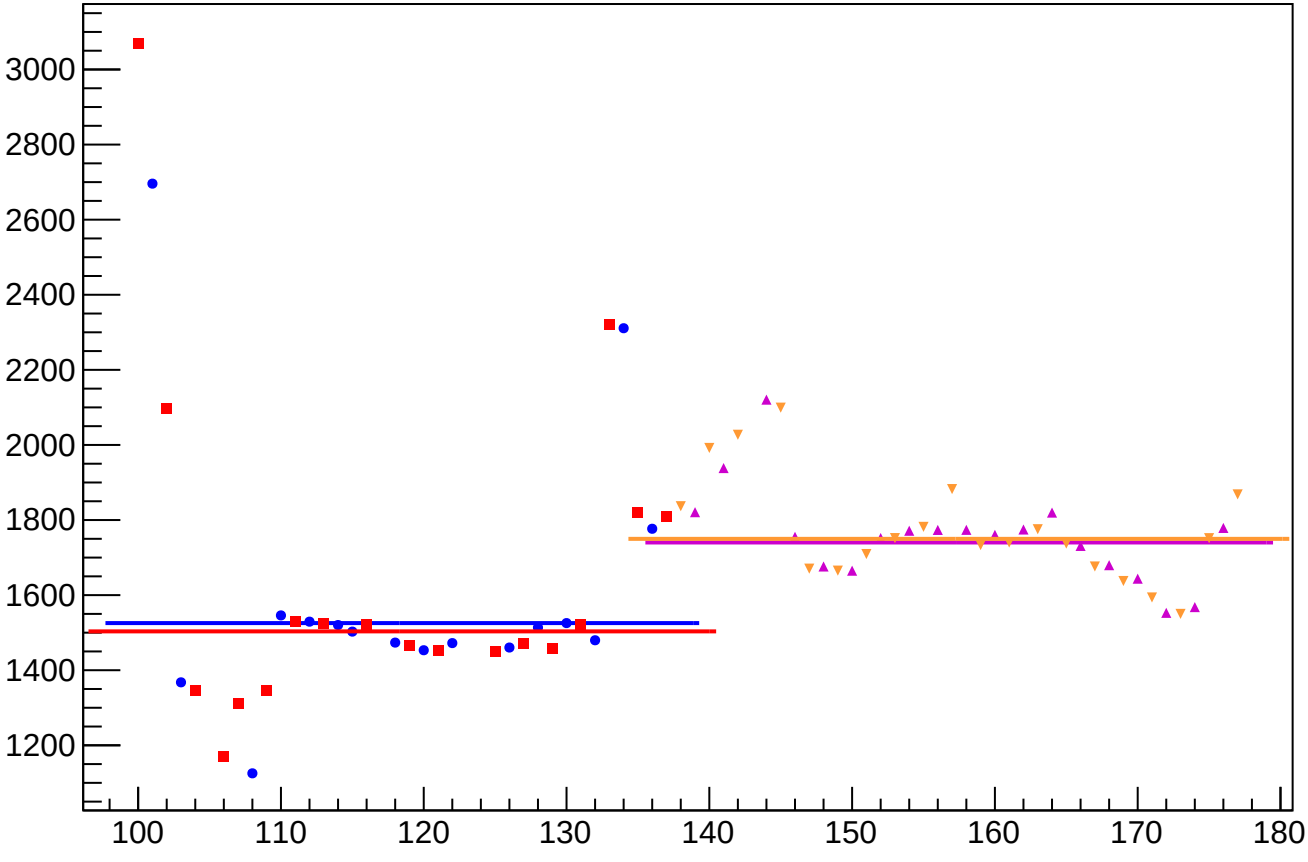
Left In: 1228.310+/-442.682 χ^2/NDF:8.8/18

\+ sign 625.089+/-350.510 χ^2/NDF: 57.2/35

All: 796.897+/-247.949 χ^2/NDF: 85.2/72

\- sign 968.985+/-350.796 χ^2/NDF: 27.5/36

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1749.876+/-0.312 χ^2/NDF:166598.2/19

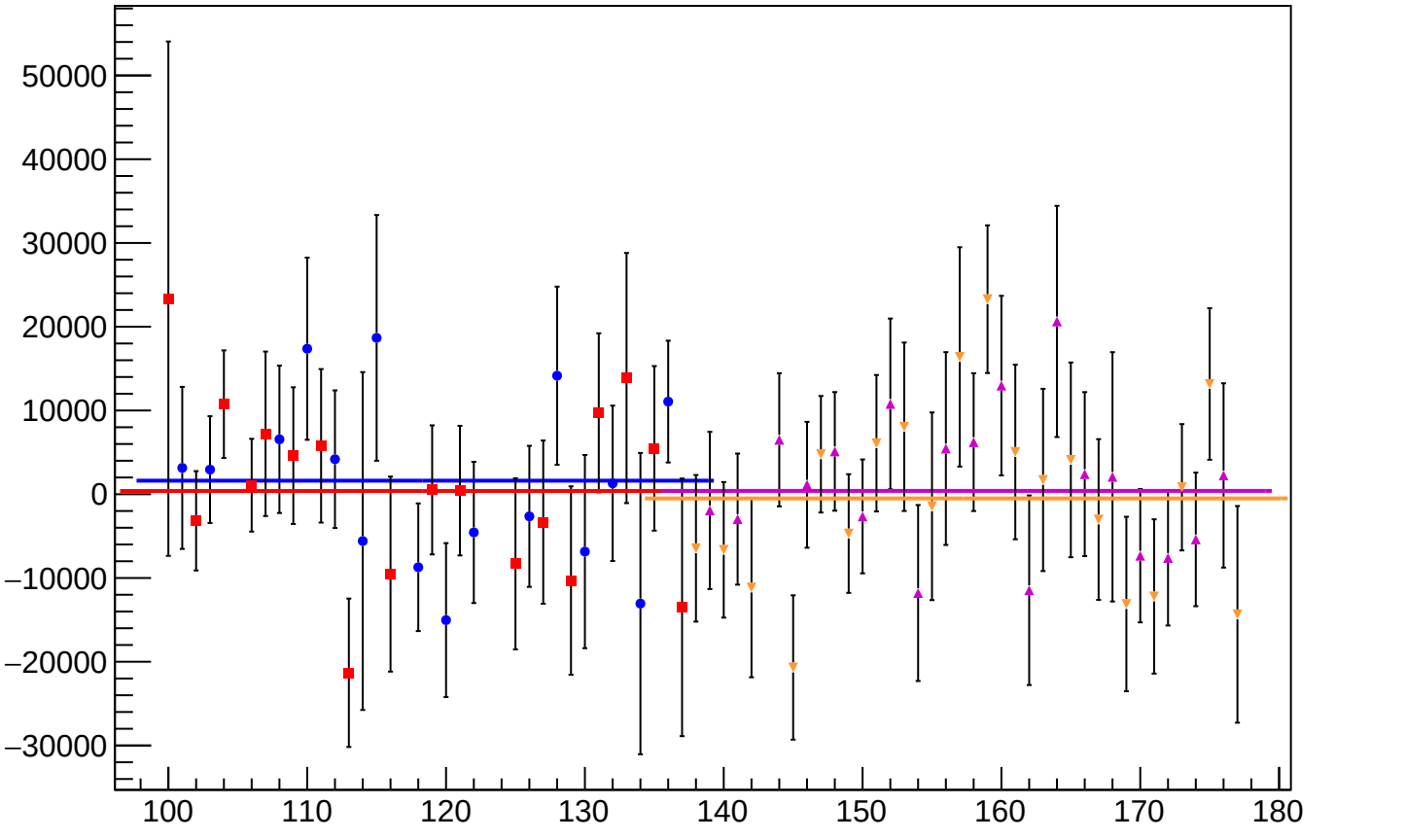
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1740.214+/-0.313 χ^2/NDF:143511.4/18

+ sign 1667.396+/-0.248 χ^2/NDF: 845400.9/35

All: 1659.748+/-0.175 χ^2/NDF: 1542284.3/72

- sign 1652.088+/-0.248 χ^2/NDF: 694977.4/36



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -497.332+/-2060.951 χ^2/NDF:25.9/19

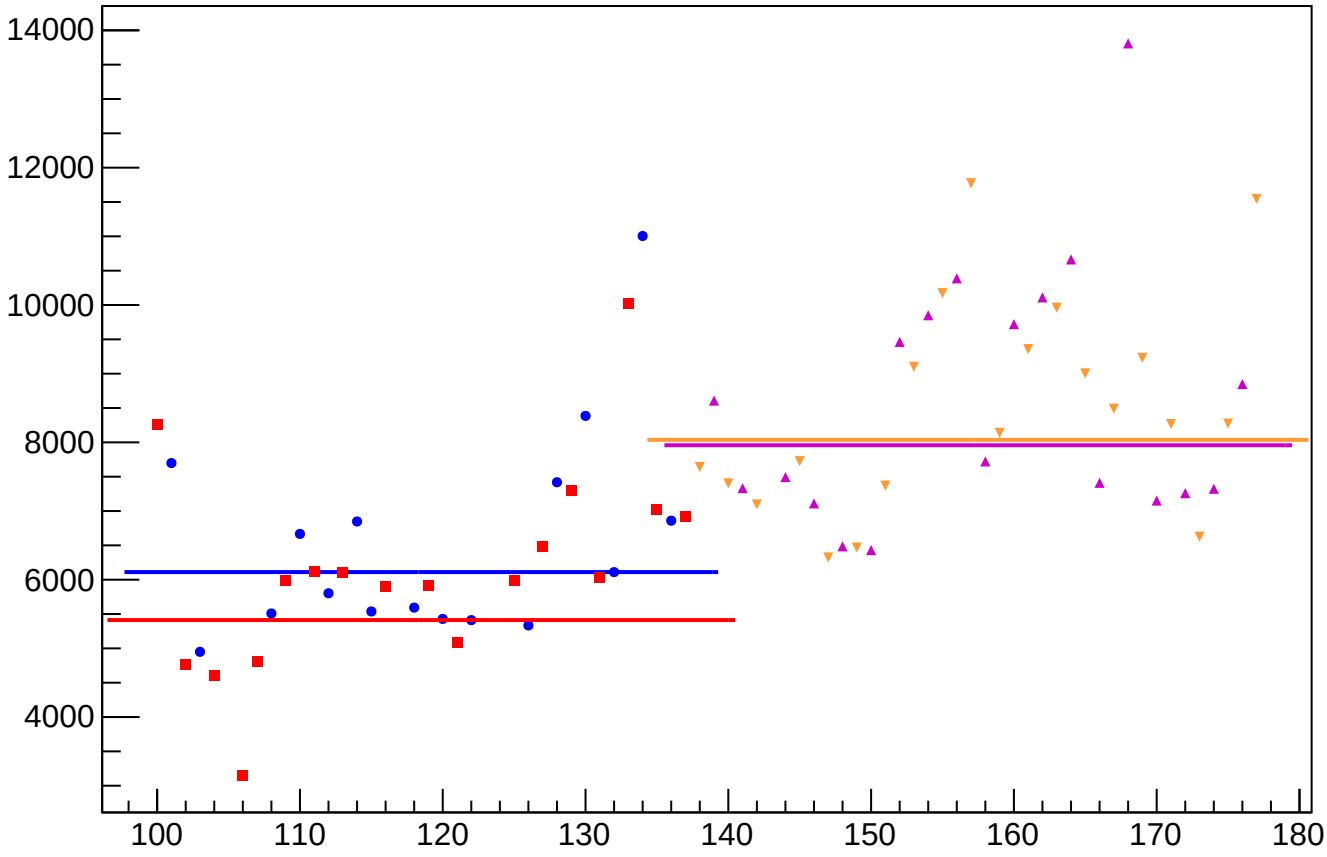
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 401.090+/-2060.006 χ^2/NDF:11.7/18

\+ sign 436.582+/-1540.803 χ^2/NDF: 40.6/35

All: 413.847+/-1058.622 χ^2/NDF: 68.3/72

\- sign 393.519+/-1456.949 χ^2/NDF: 27.7/36



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8036.576+/-1.457 χ^2/NDF:884332.9/19

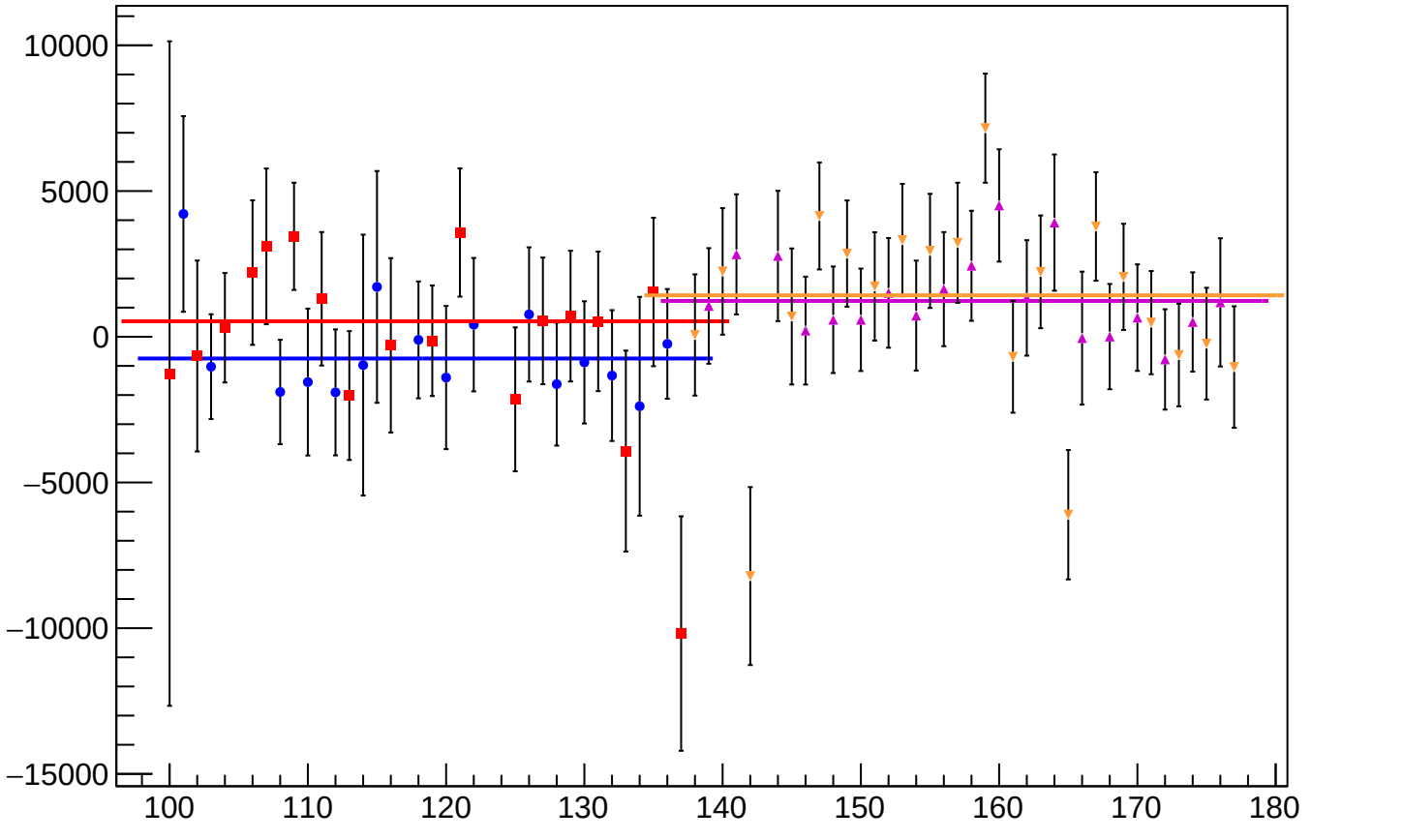
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7957.943+/-1.457 χ^2/NDF:1021068.2/18

+ sign 7187.281+/-1.090 χ^2/NDF: 2126020.6/35

All: 6922.441+/-0.749 χ^2/NDF: 5606998.0/72

- sign 6685.642+/-1.030 χ^2/NDF: 3369056.2/36



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1422.210+/-440.782 χ^2/NDF:43.6/19

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

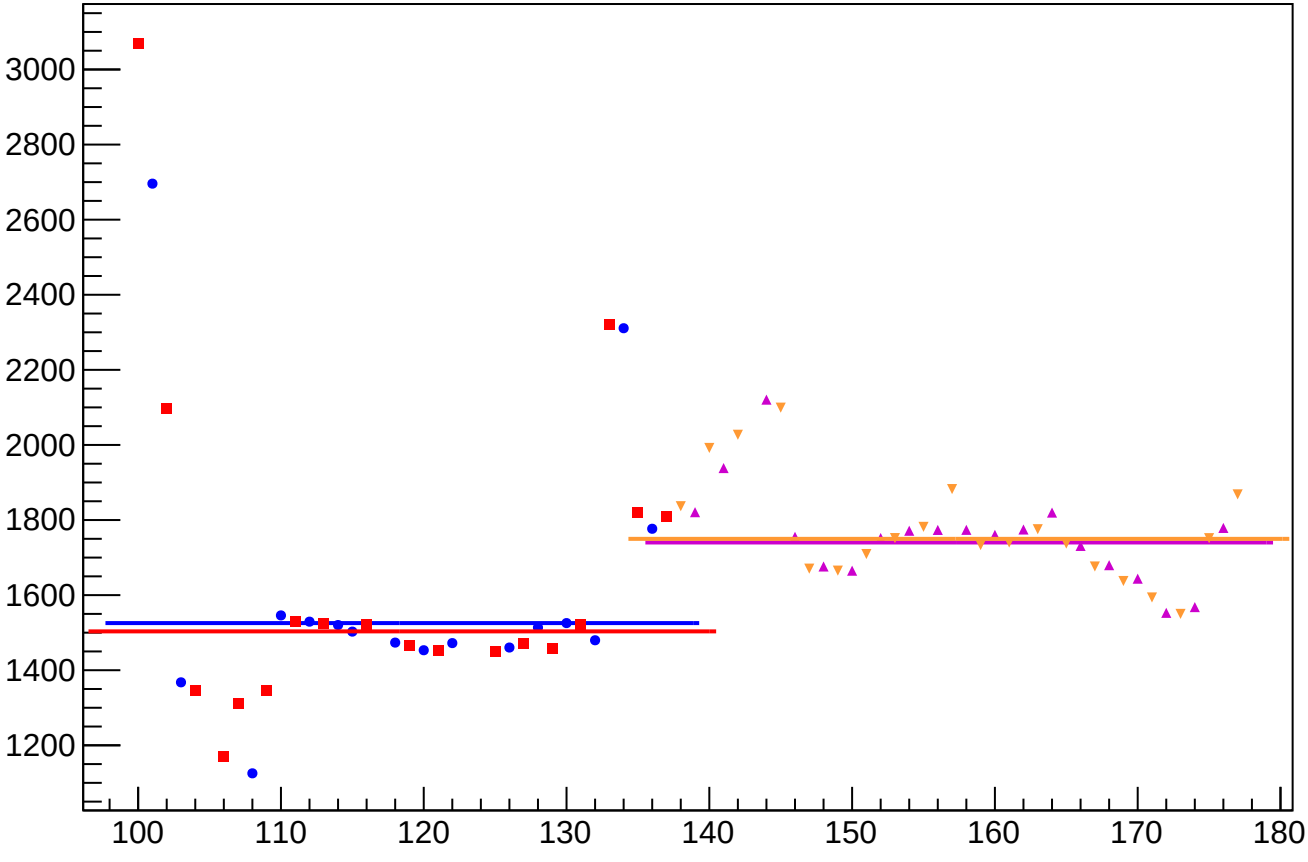
Left In: 1228.309+/-442.683 χ^2/NDF:8.8/18

\+ sign 625.088+/-350.510 χ^2/NDF: 57.2/35

All: 796.898+/-247.949 χ^2/NDF: 85.2/72

\- sign 968.987+/-350.796 χ^2/NDF: 27.5/36

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: 1749.878+/-0.312 χ^2/NDF:166604.7/19

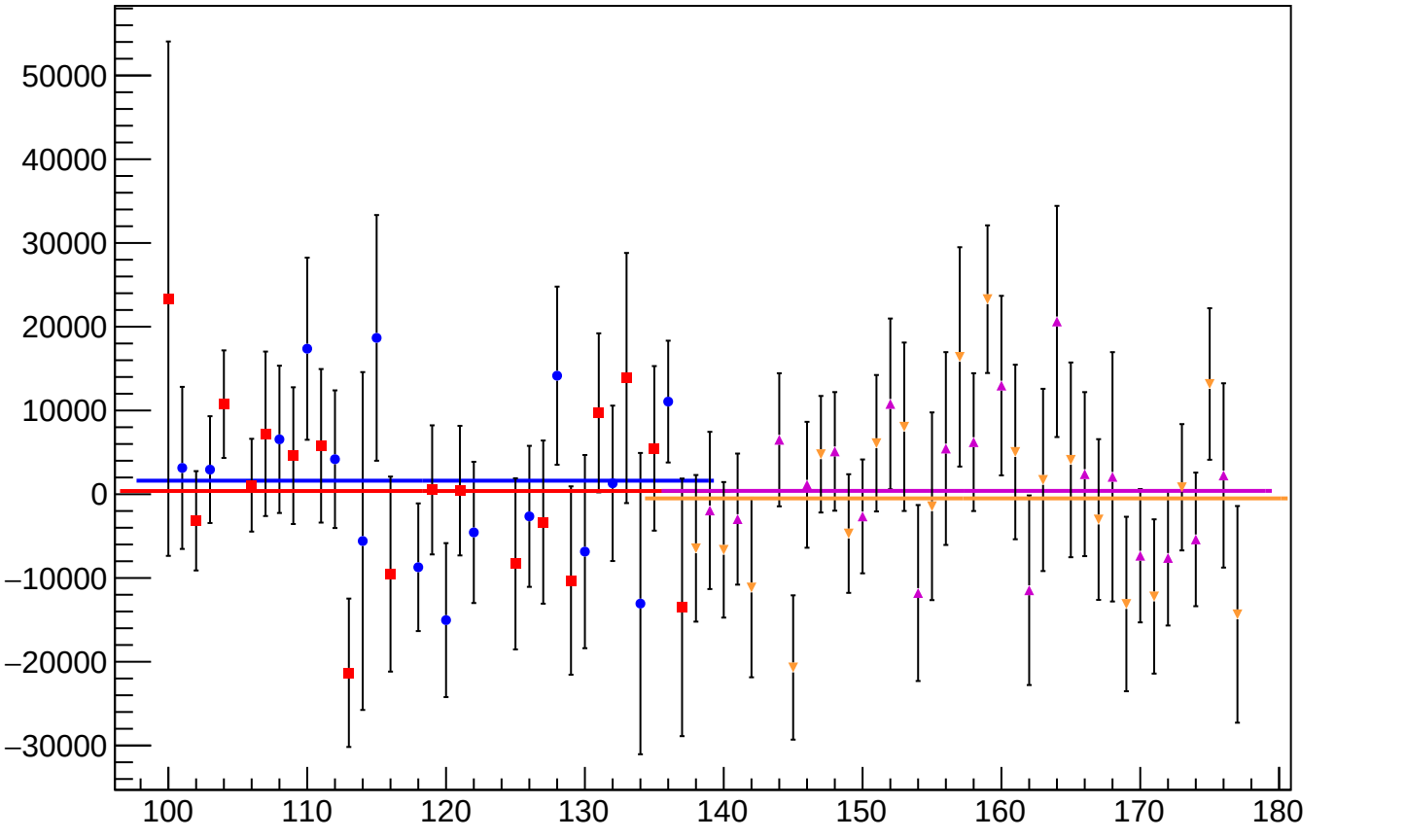
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1740.216+/-0.313 χ^2/NDF:143515.8/18

+ sign 1667.398+/-0.248 χ^2/NDF: 845410.3/35

All: 1659.749+/-0.175 χ^2/NDF: 1542301.5/72

- sign 1652.090+/-0.248 χ^2/NDF: 694985.2/36



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -497.333+/-2060.955 χ^2/NDF:25.9/19

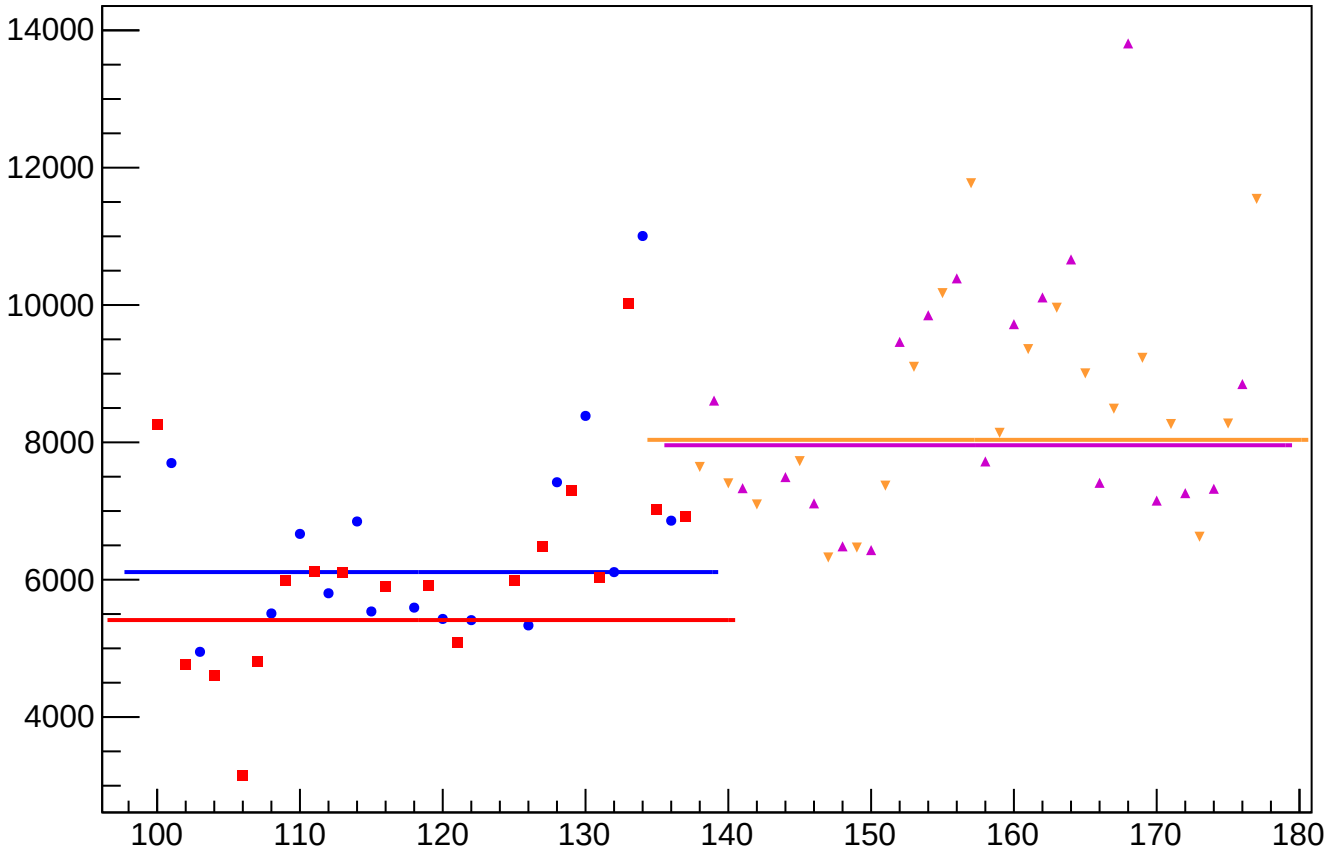
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 401.088+/-2060.009 χ^2/NDF:11.7/18

+ sign 436.577+/-1540.803 χ^2/NDF: 40.6/35

All: 413.846+/-1058.622 χ^2/NDF: 68.3/72

- sign 393.521+/-1456.948 χ^2/NDF: 27.7/36



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8036.589+/-1.457 χ^2/NDF:884334.1/19

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

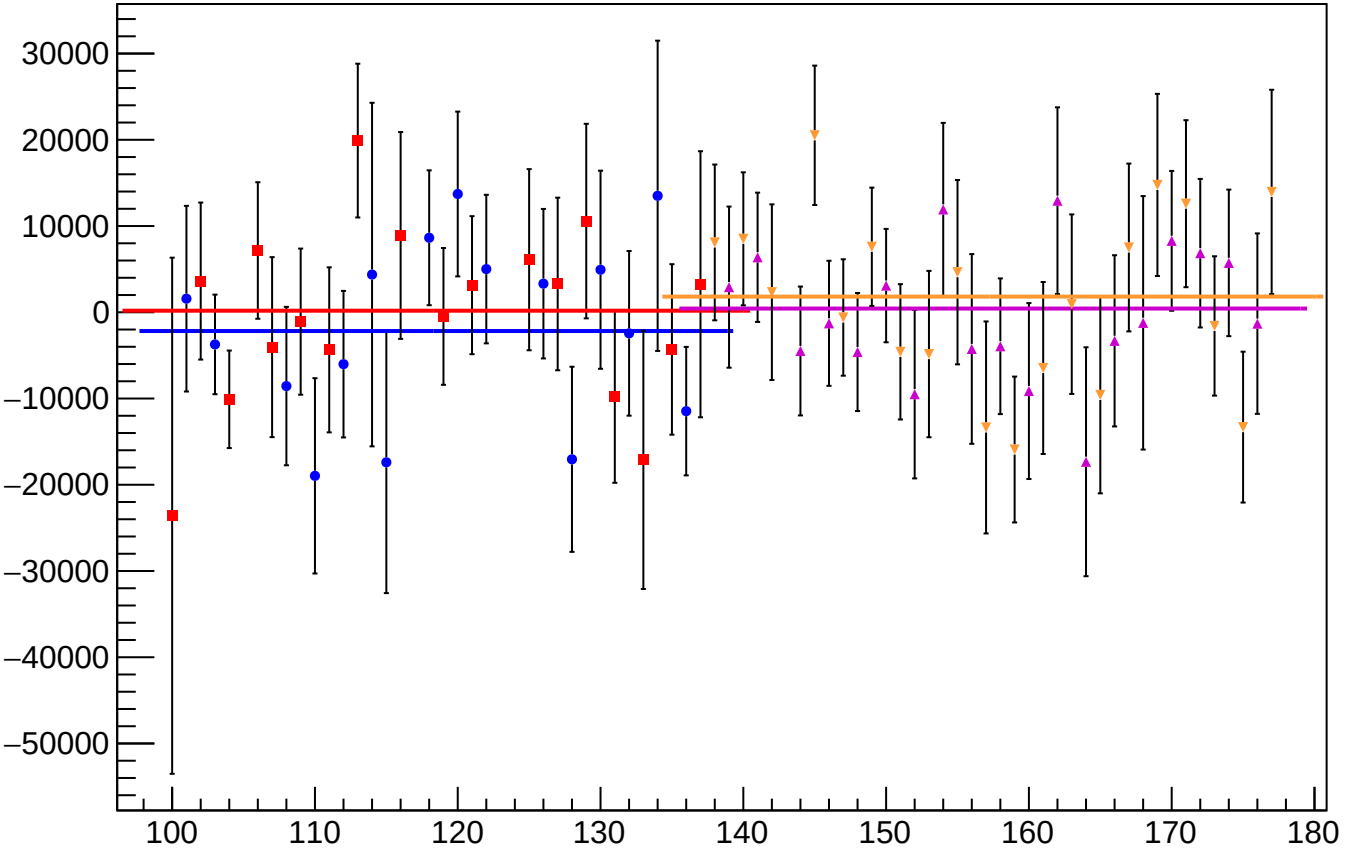
Left In: 7957.955+/-1.457 χ^2/NDF:1021070.2/18

+ sign 7187.279+/-1.090 χ^2/NDF: 2126045.5/35

All: 6922.437+/-0.749 χ^2/NDF: 5607054.1/72

- sign 6685.637+/-1.030 χ^2/NDF: 3369086.5/36

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1818.469+/-2015.094 χ^2/NDF:23.6/19

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

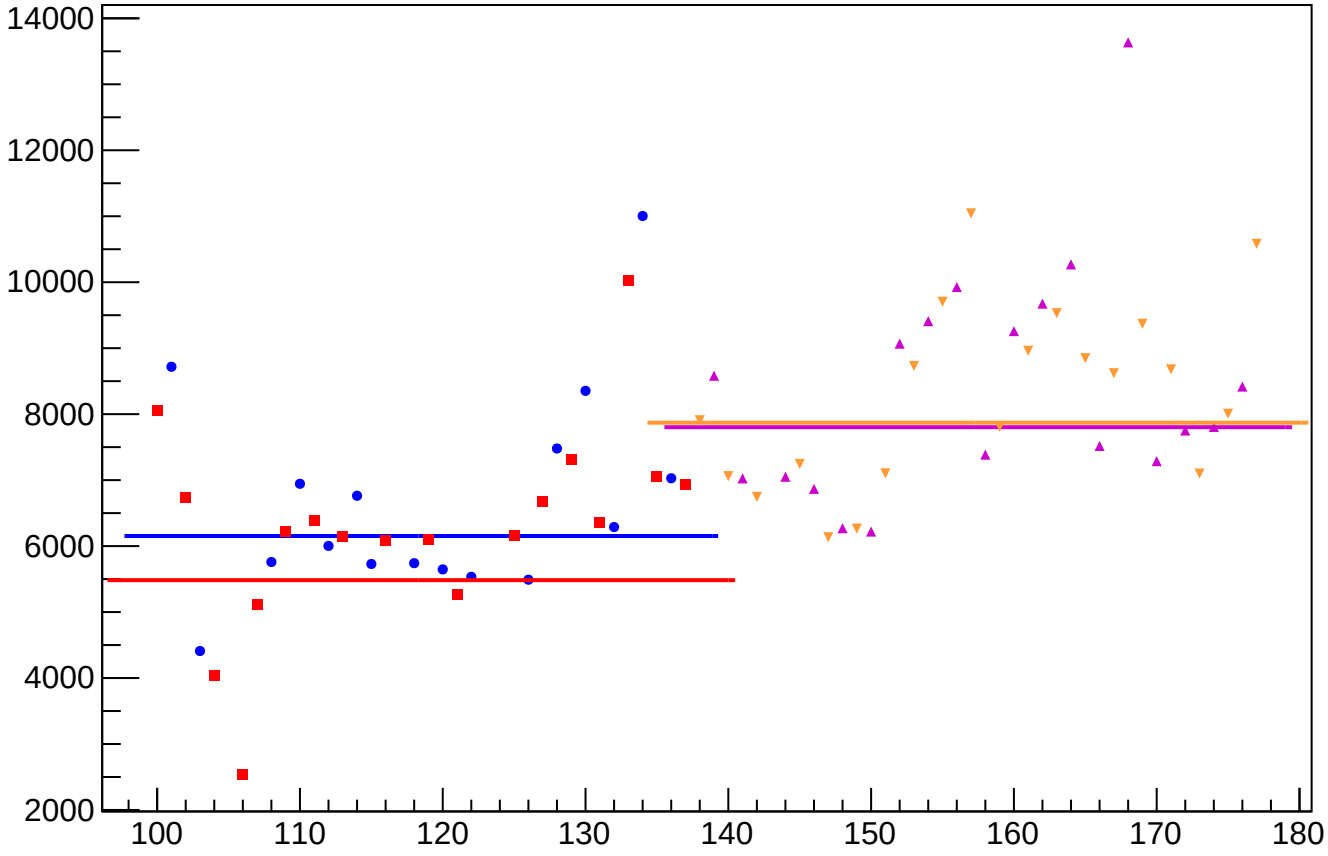
Left In: 431.863+/-2017.081 χ^2/NDF:10.8/18

+ sign 124.799+/-1529.068 χ^2/NDF: 39.8/35

All: 224.594+/-1069.178 χ^2/NDF: 65.3/72

- sign 320.066+/-1495.580 χ^2/NDF: 25.5/36

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7871.150+/-1.425 χ^2/NDF:806781.1/19

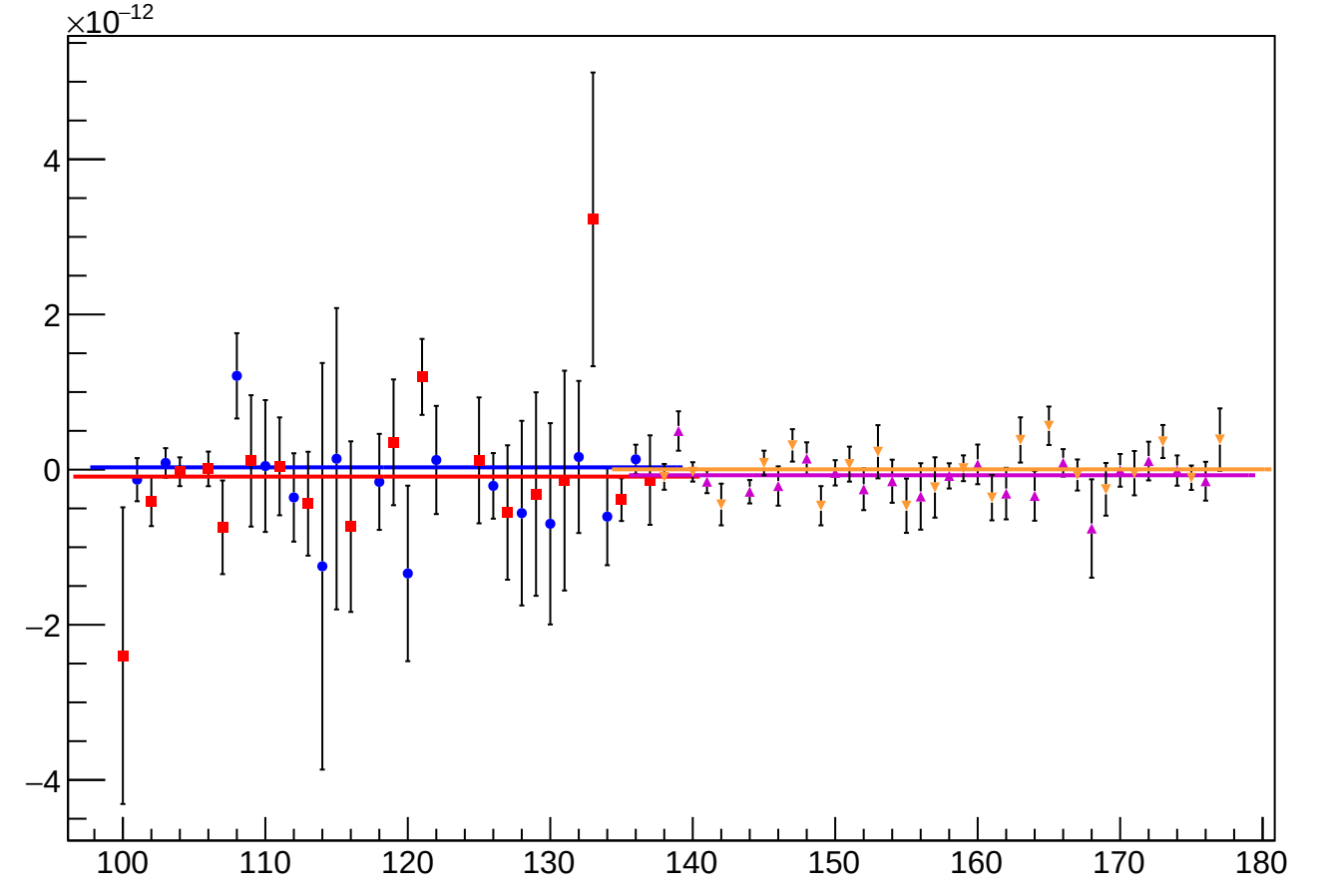
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7802.267+/-1.426 χ^2/NDF:971539.9/18

+ sign 7142.155+/-1.081 χ^2/NDF: 2047833.6/35

All: 6920.822+/-0.750 χ^2/NDF: 5486924.1/72

- sign 6716.071+/-1.040 χ^2/NDF: 3358419.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/19

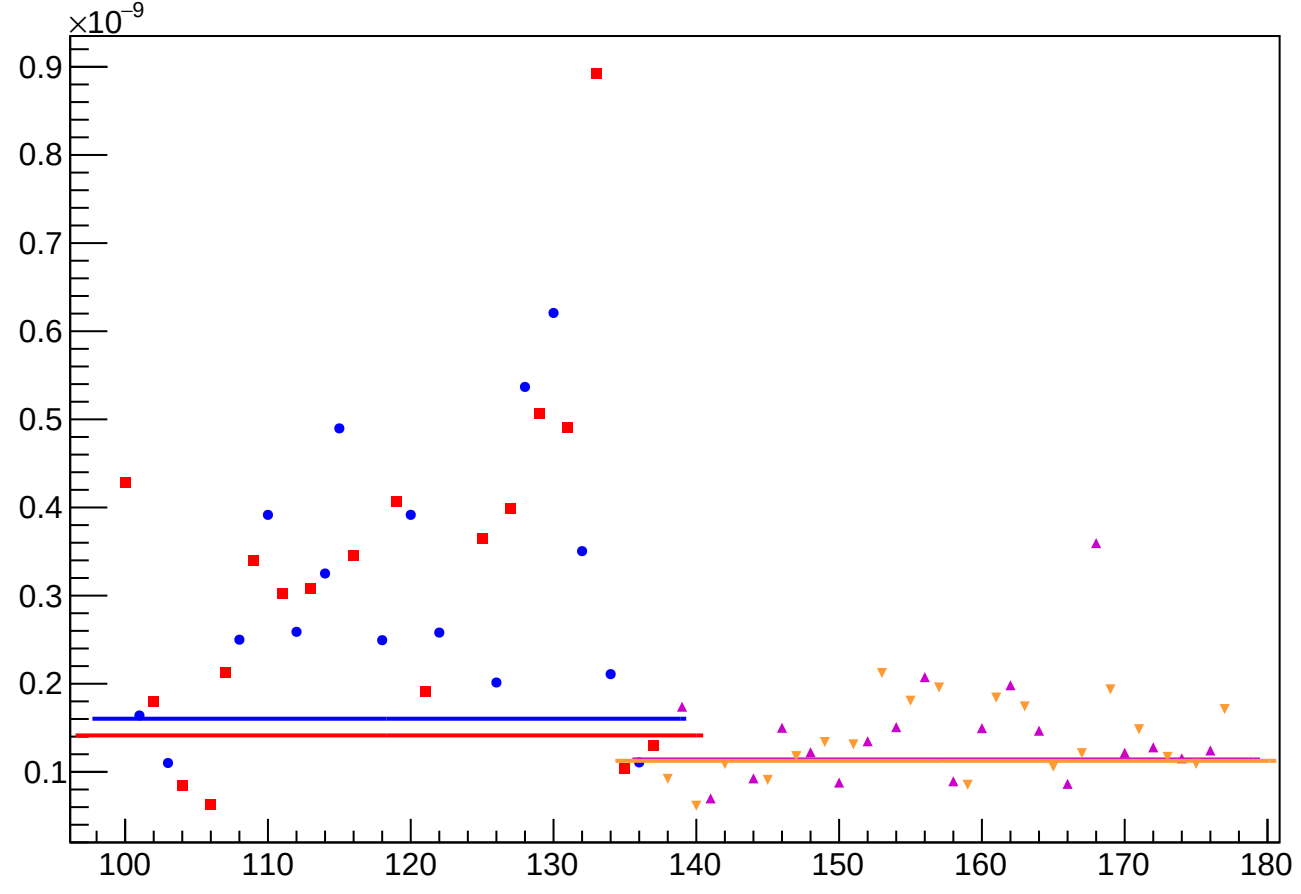
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:14.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/35

All: -0.000+/-0.000 χ^2/NDF: 67.0/72

- sign -0.000+/-0.000 χ^2/NDF: 30.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1224931.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

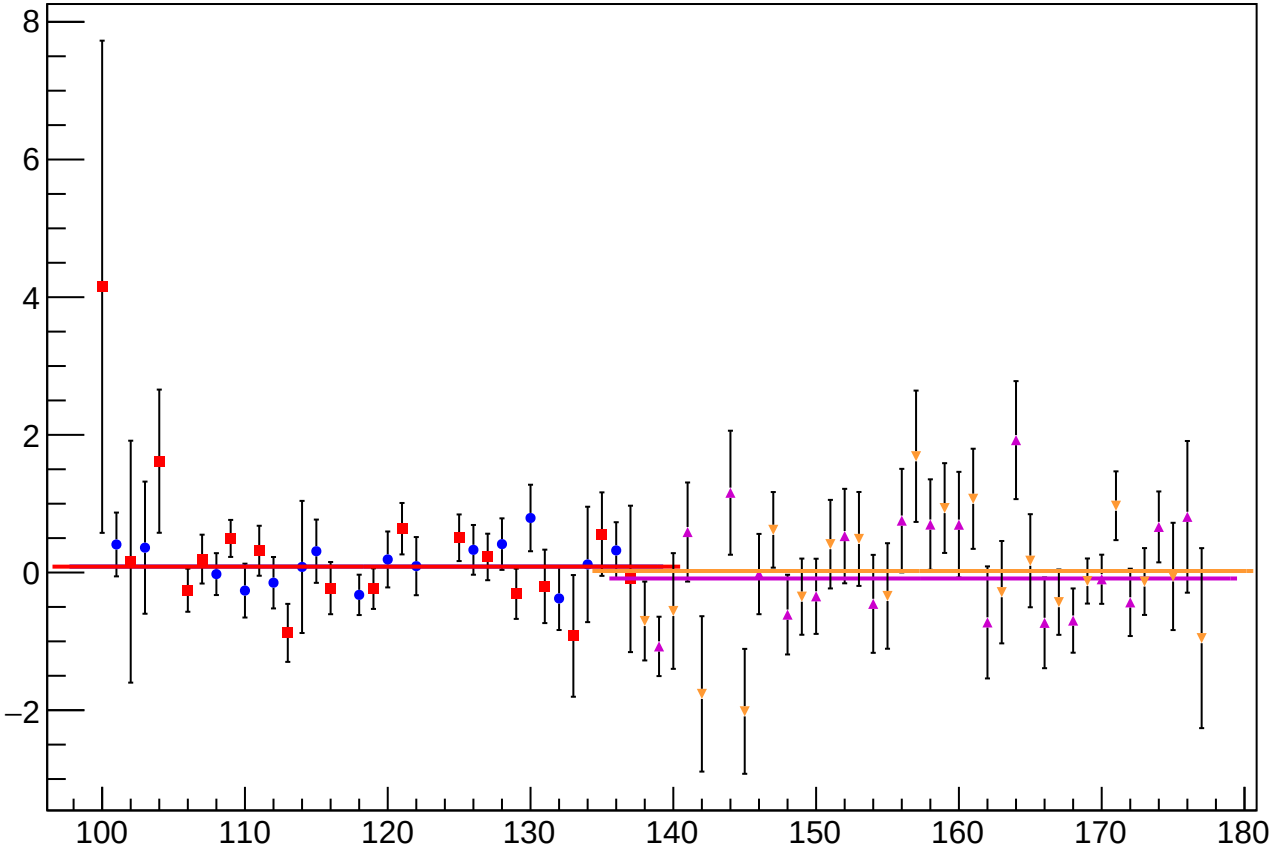
Left In: 0.000+/-0.000 χ^2/NDF:1163048.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 2902717.4/35

All: 0.000+/-0.000 χ^2/NDF: 6347502.5/72

- sign 0.000+/-0.000 χ^2/NDF: 3443168.3/36

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

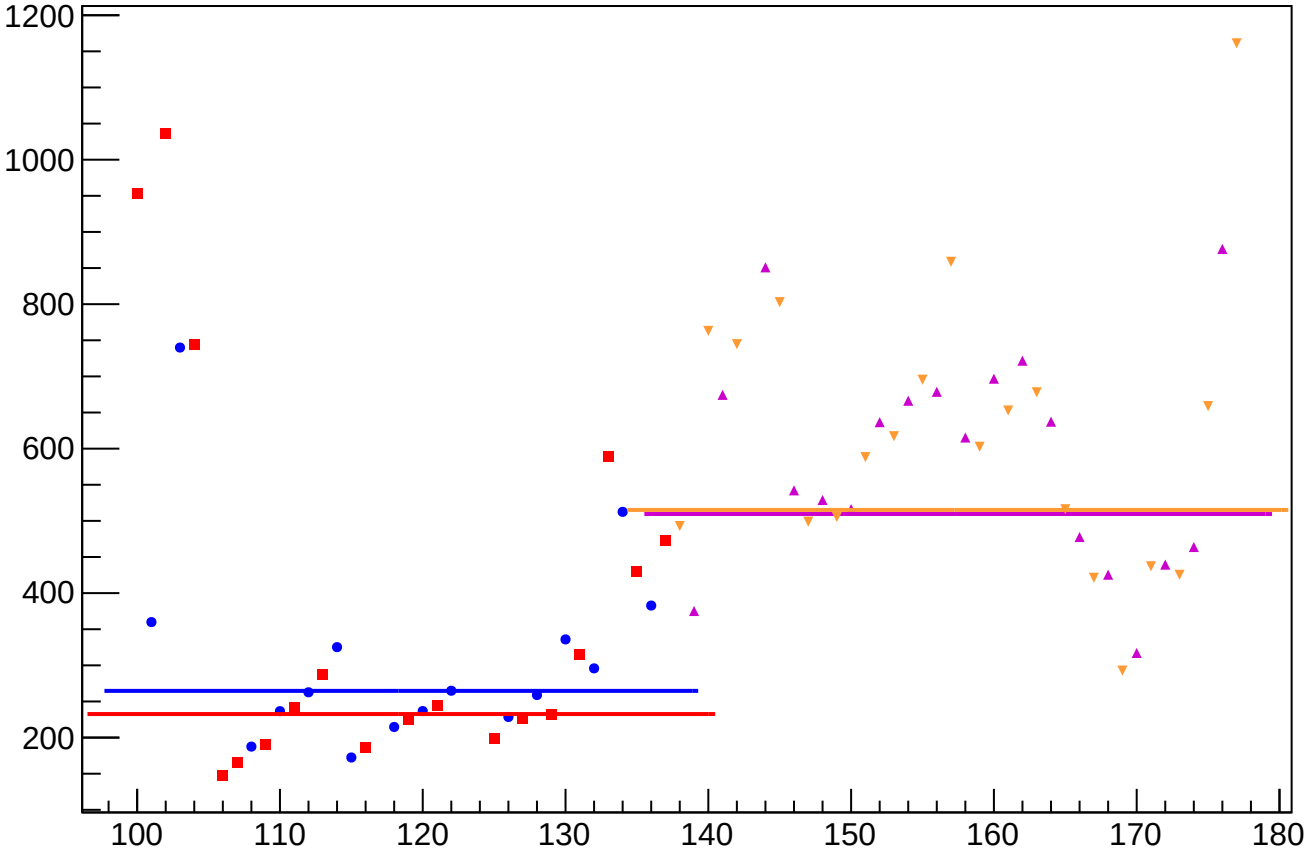
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.087+/-0.136 χ^2/NDF:25.9/18

+ sign 0.063+/-0.083 χ^2/NDF: 34.0/35

All: 0.044+/-0.057 χ^2/NDF: 82.9/72

- sign 0.027+/-0.079 χ^2/NDF: 48.8/36



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 515.175+/-0.097 χ^2/NDF:2780150.1/19

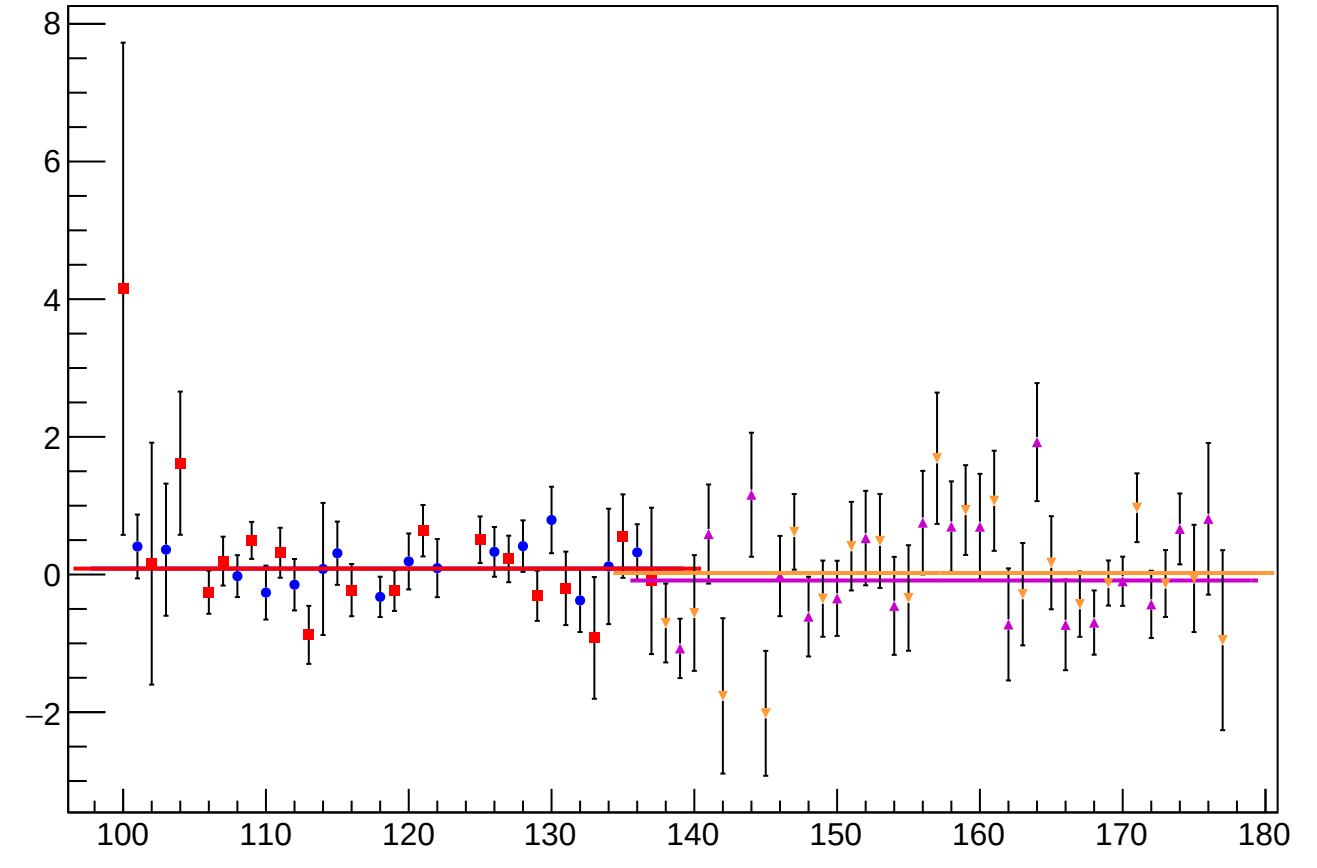
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 509.518+/-0.096 χ^2/NDF:2142026.6/18

+ sign 357.010+/-0.059 χ^2/NDF: 8254306.4/35

All: 340.892+/-0.041 χ^2/NDF: 18054426.4/72

- sign 326.408+/-0.056 χ^2/NDF: 9658618.5/36



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

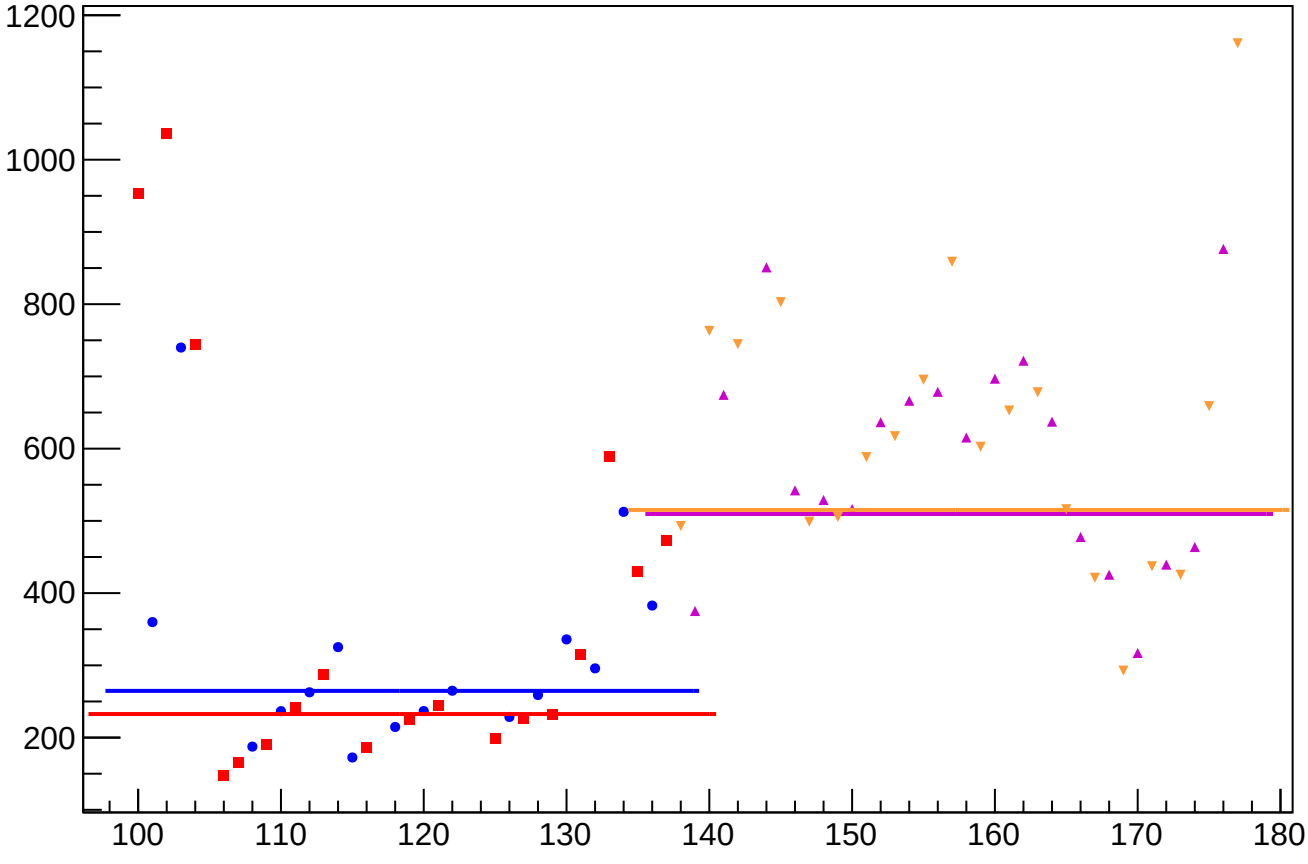
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.087+/-0.136 χ^2/NDF:25.9/18

+ sign 0.063+/-0.083 χ^2/NDF: 34.0/35

All: 0.044+/-0.057 χ^2/NDF: 82.9/72

- sign 0.027+/-0.079 χ^2/NDF: 48.8/36



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 515.175+/-0.097 χ^2/NDF:2780150.1/19

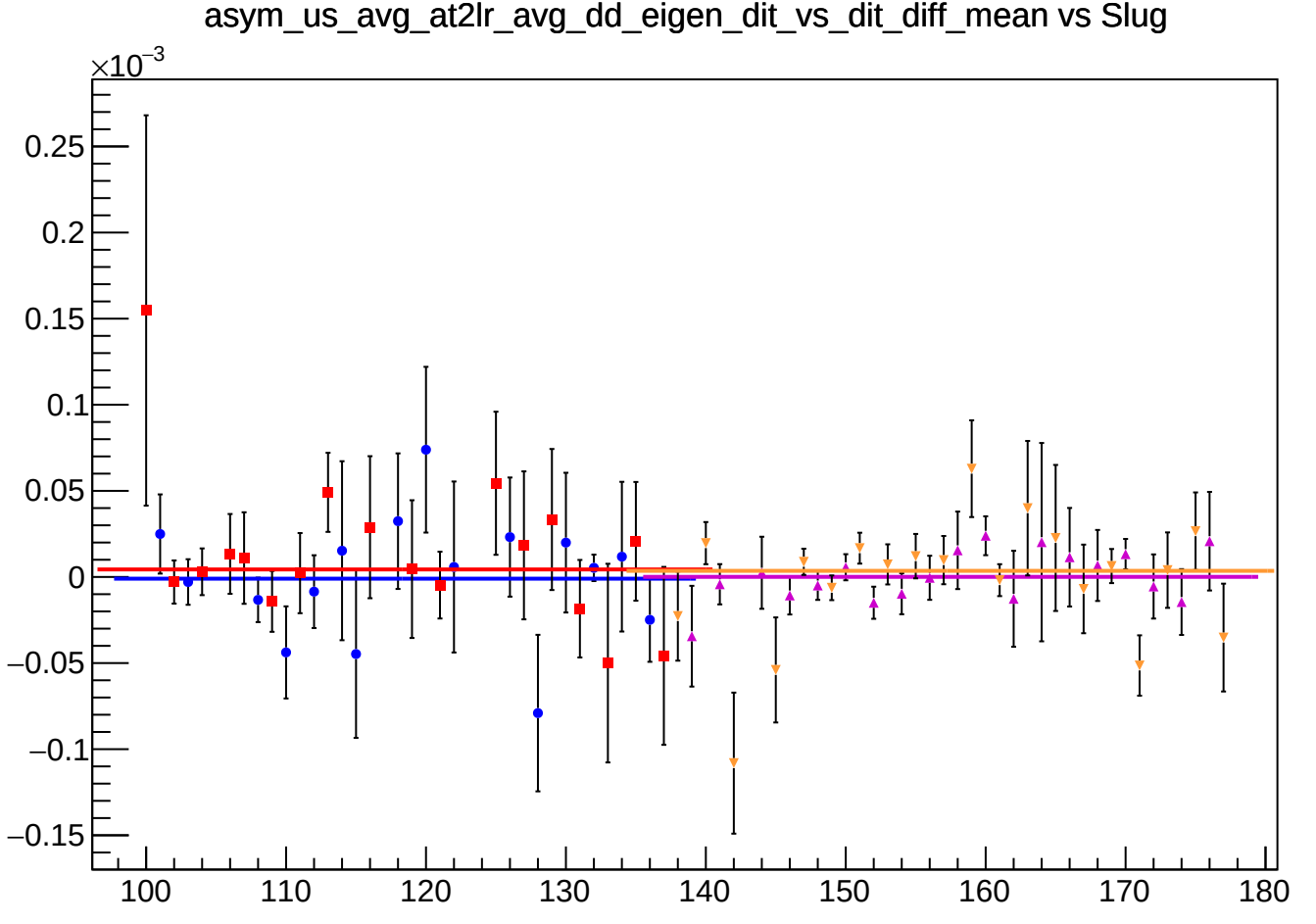
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 509.518+/-0.096 χ^2/NDF:2142026.6/18

+ sign 357.010+/-0.059 χ^2/NDF: 8254306.4/35

All: 340.892+/-0.041 χ^2/NDF: 18054426.4/72

- sign 326.408+/-0.056 χ^2/NDF: 9658618.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/19

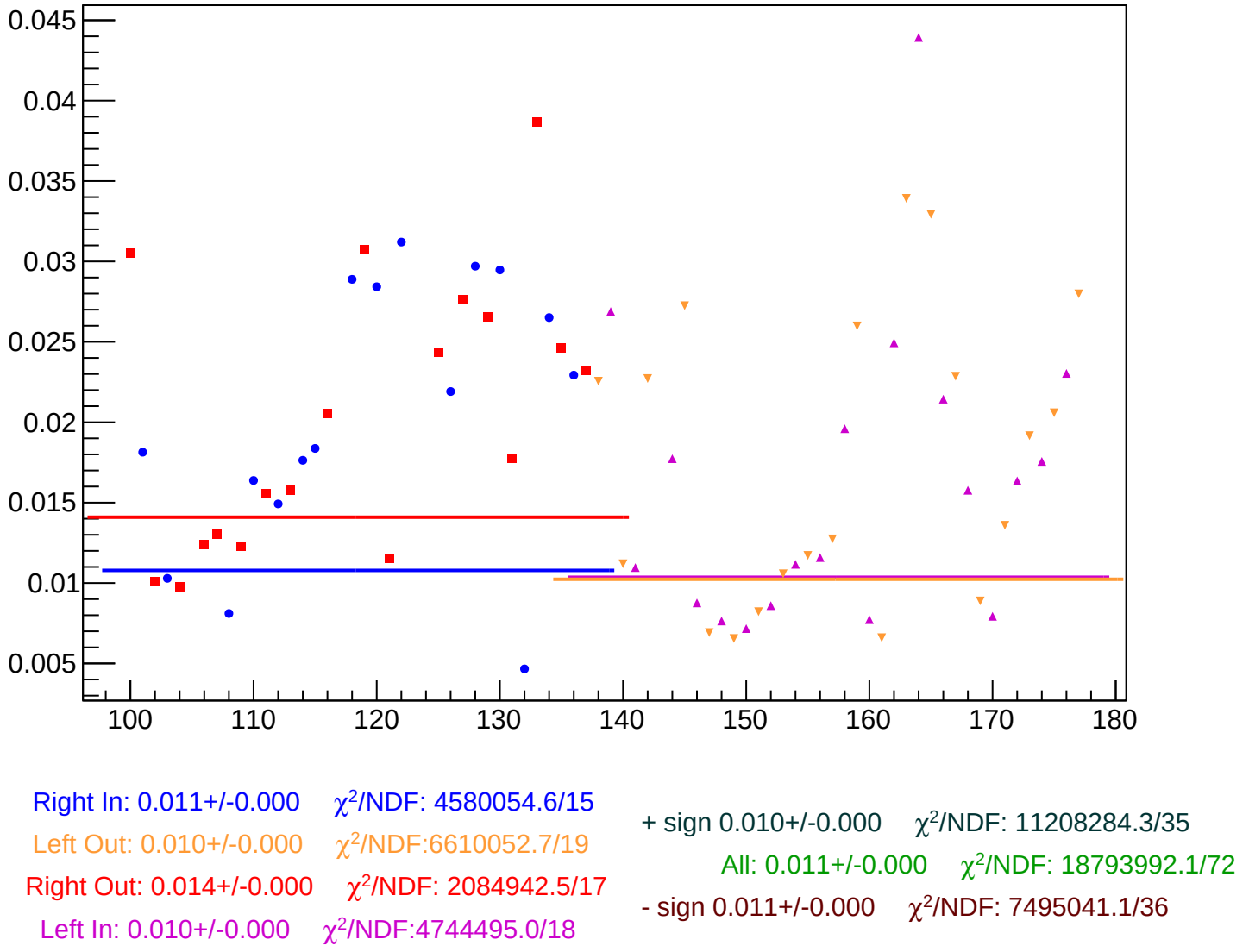
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:15.6/18

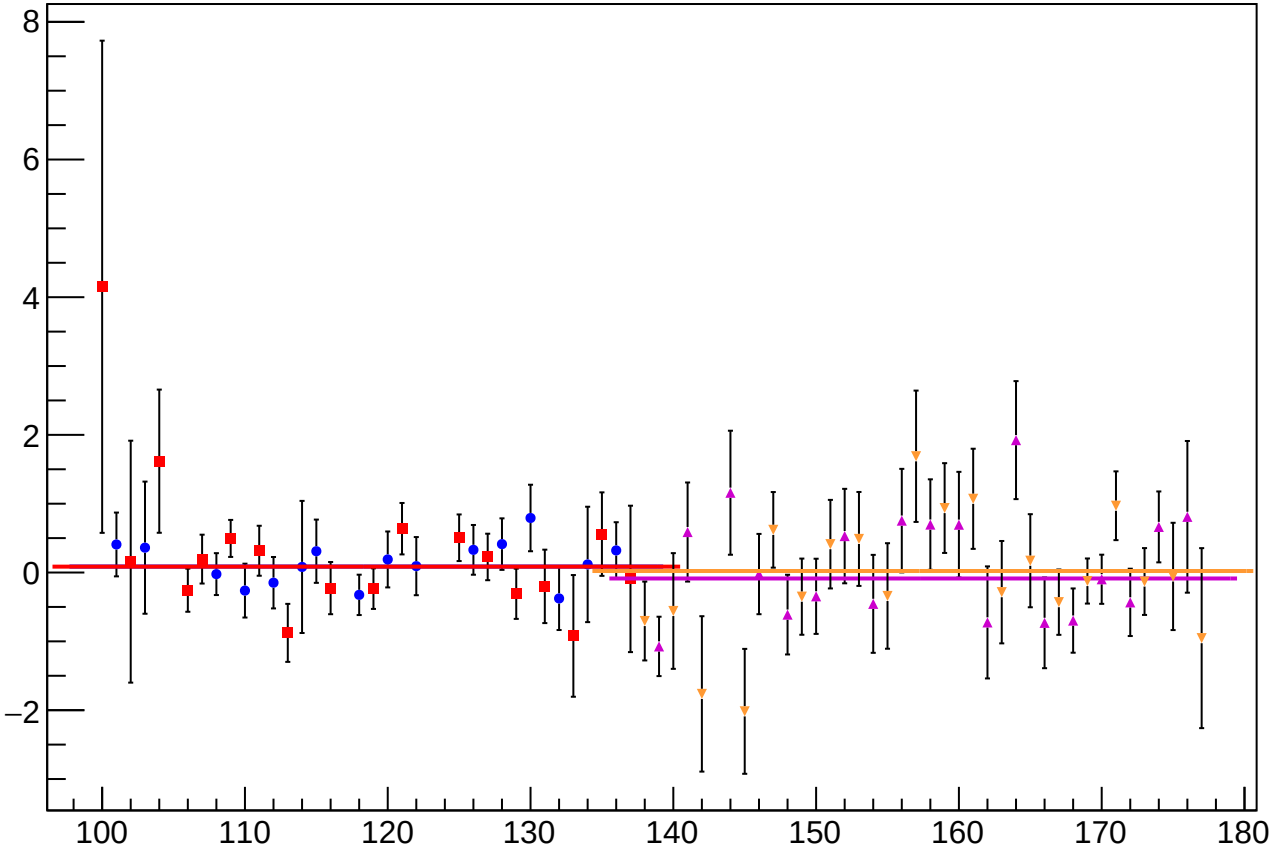
+ sign 0.000+/-0.000 χ^2/NDF: 52.5/35

All: 0.000+/-0.000 χ^2/NDF: 81.3/72

- sign 0.000+/-0.000 χ^2/NDF: 28.7/36


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.011+/-0.000 χ²/NDF: 4580054.6/15
Left Out: 0.010+/-0.000 χ²/NDF:6610052.7/19
Right Out: 0.014+/-0.000 χ²/NDF: 2084942.5/17
Left In: 0.010+/-0.000 χ²/NDF:4744495.0/18
+ sign 0.010+/-0.000 χ²/NDF: 11208284.3/35
All: 0.011+/-0.000 χ²/NDF: 18793992.1/72
- sign 0.011+/-0.000 χ²/NDF: 7495041.1/36

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: 0.022+/-0.138 χ^2/NDF:25.0/19

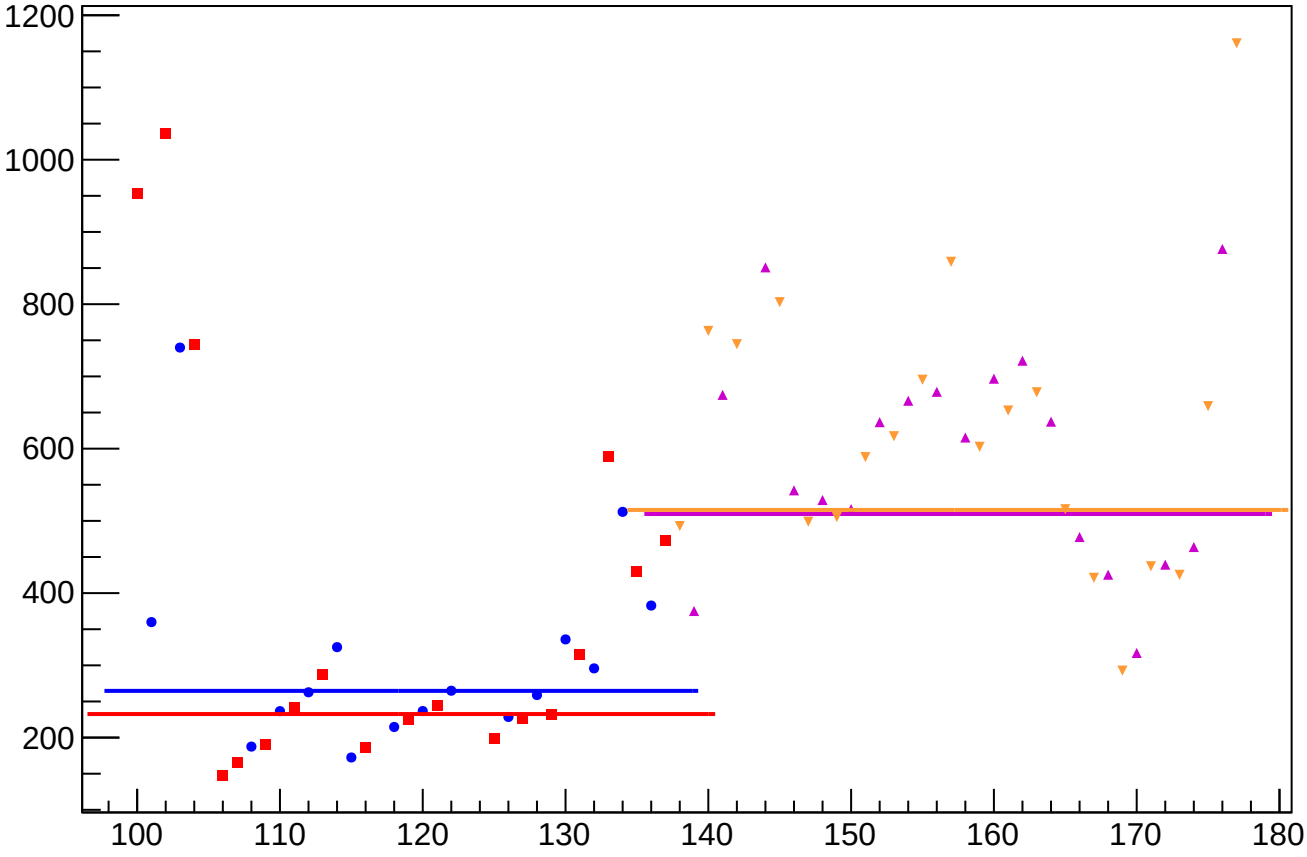
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.087+/-0.136 χ^2/NDF:25.9/18

+ sign 0.063+/-0.083 χ^2/NDF: 34.0/35

All: 0.044+/-0.057 χ^2/NDF: 82.9/72

- sign 0.027+/-0.079 χ^2/NDF: 48.8/36



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 515.175+/-0.097 χ^2/NDF:2780291.4/19

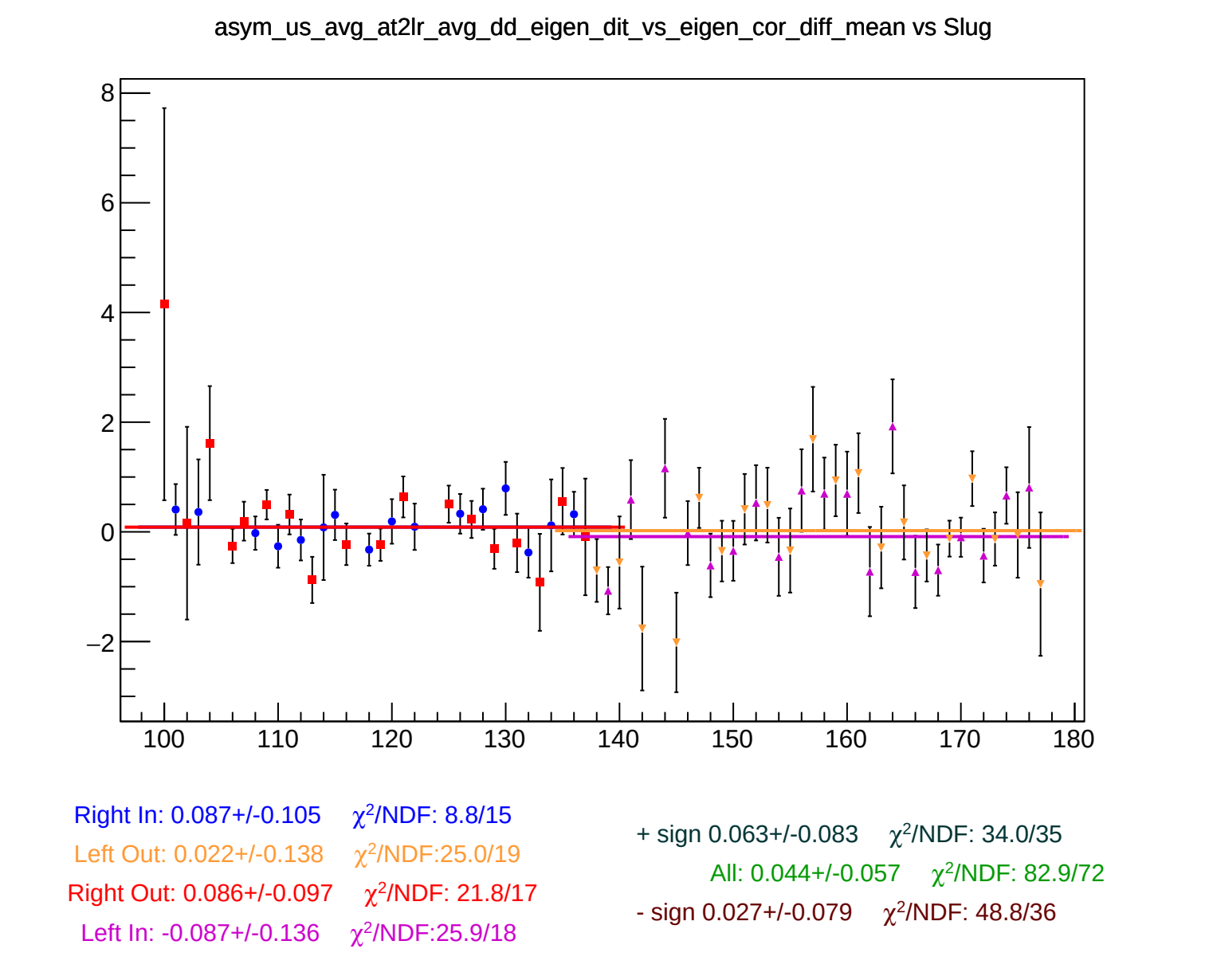
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

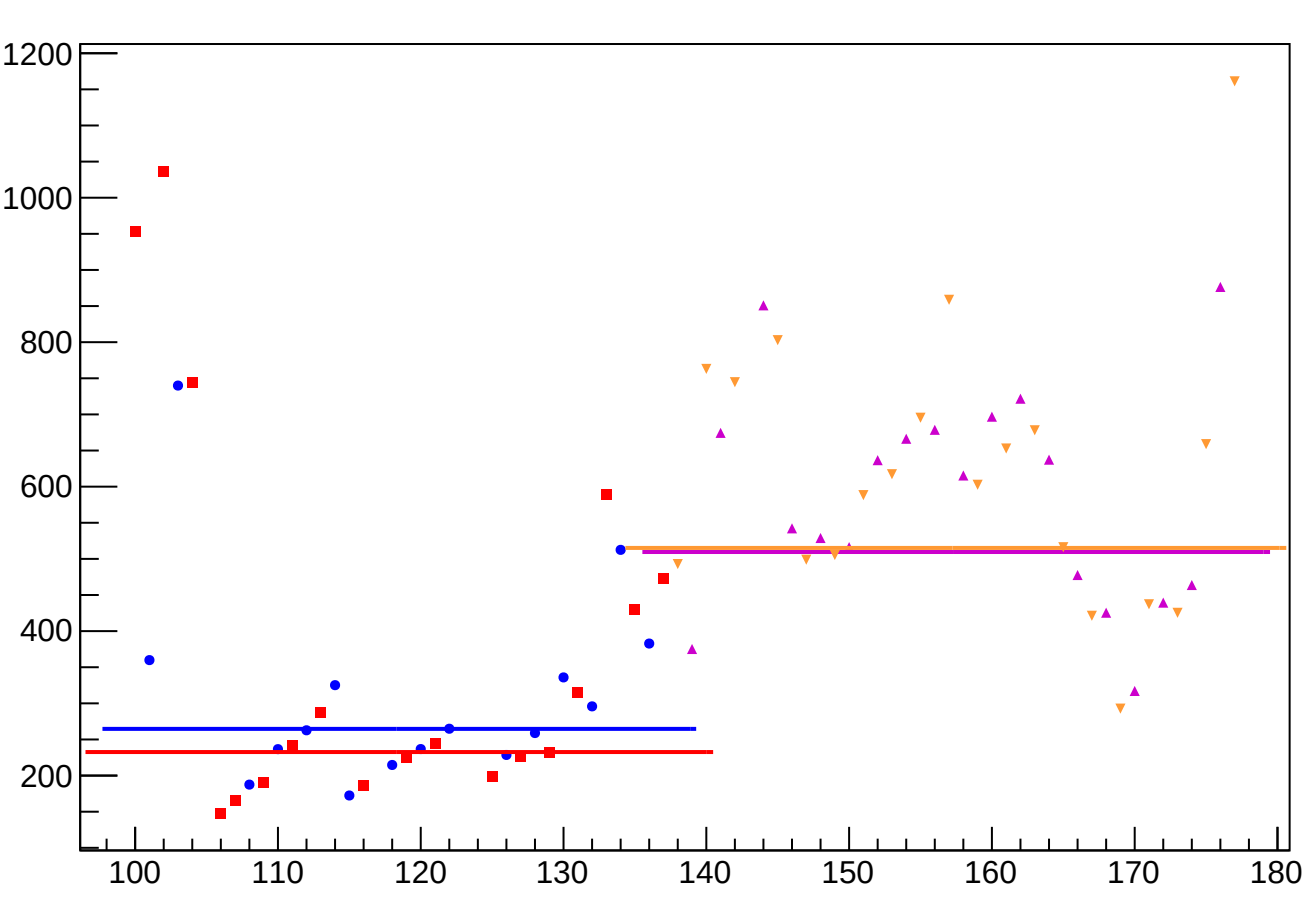
Left In: 509.521+/-0.096 χ^2/NDF:2142084.5/18

+ sign 357.009+/-0.059 χ^2/NDF: 8254422.0/35

All: 340.892+/-0.041 χ^2/NDF: 18054613.5/72

- sign 326.409+/-0.056 χ^2/NDF: 9658703.4/36


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_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: 0.022+/-0.138 χ²/NDF:25.0/19
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.087+/-0.136 χ²/NDF:25.9/18
+ sign 0.063+/-0.083 χ²/NDF: 34.0/35
All: 0.044+/-0.057 χ²/NDF: 82.9/72
- sign 0.027+/-0.079 χ²/NDF: 48.8/36



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 515.175+/-0.097 χ^2/NDF:2780291.4/19

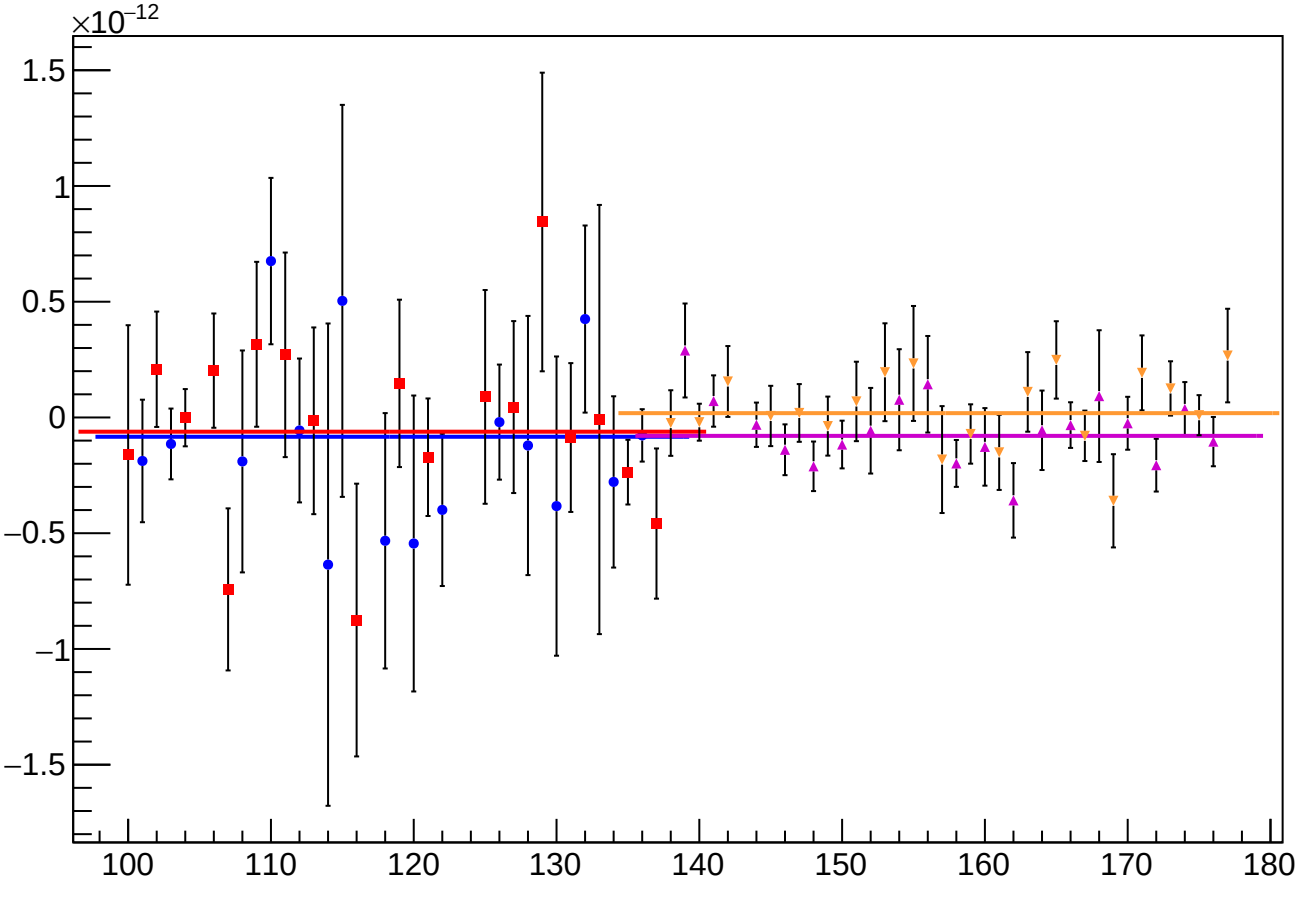
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 509.521+/-0.096 χ^2/NDF:2142084.5/18

+ sign 357.009+/-0.059 χ^2/NDF: 8254422.0/35

All: 340.892+/-0.041 χ^2/NDF: 18054613.5/72

- sign 326.409+/-0.056 χ^2/NDF: 9658703.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/19

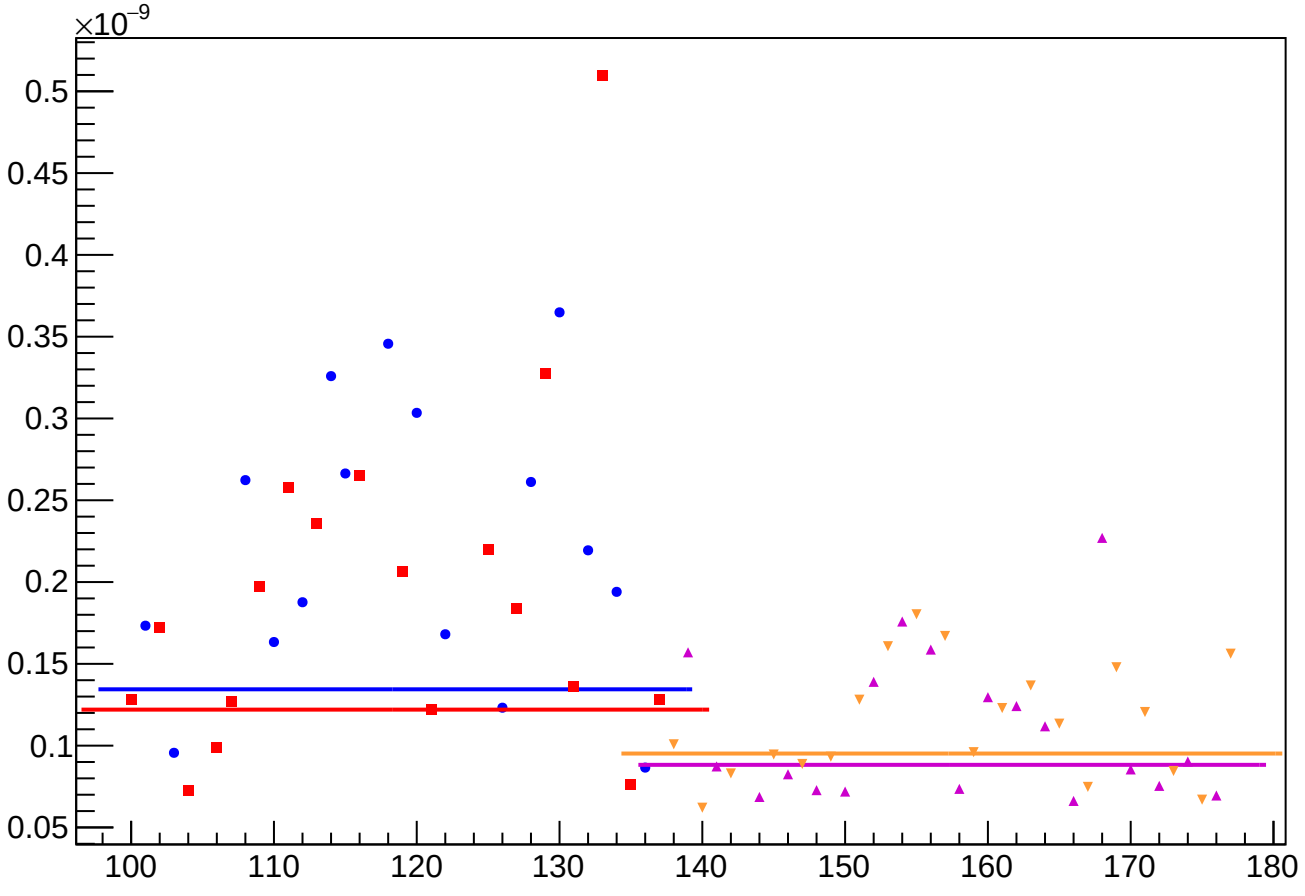
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:16.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 26.8/35

All: -0.000+/-0.000 χ^2/NDF: 63.3/72

- sign -0.000+/-0.000 χ^2/NDF: 32.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1928027.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

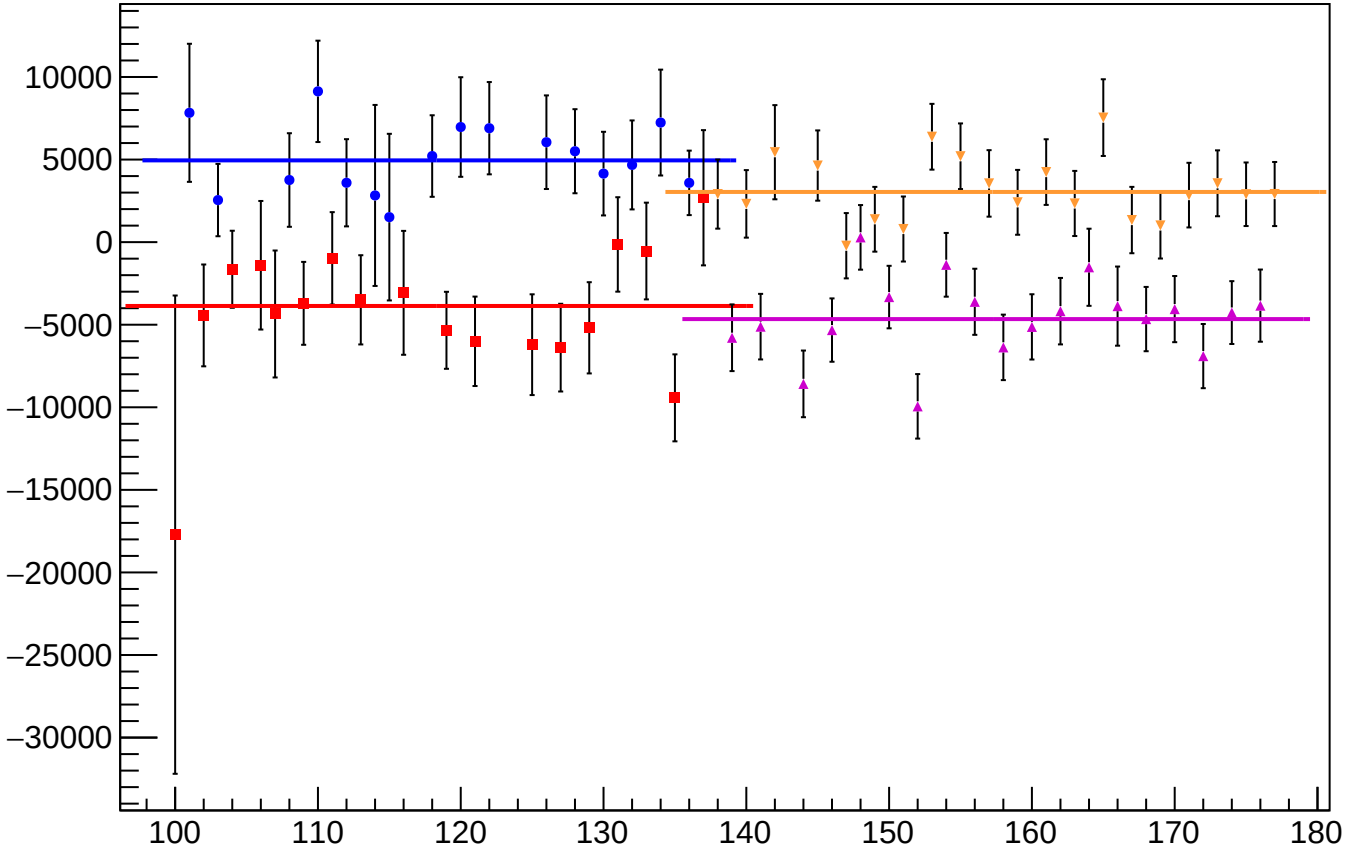
Left In: 0.000+/-0.000 χ^2/NDF:2078598.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 4284505.3/35

All: 0.000+/-0.000 χ^2/NDF: 8901573.5/72

- sign 0.000+/-0.000 χ^2/NDF: 4537602.2/36

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3039.313+/-454.660 χ^2/NDF:16.4/19

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

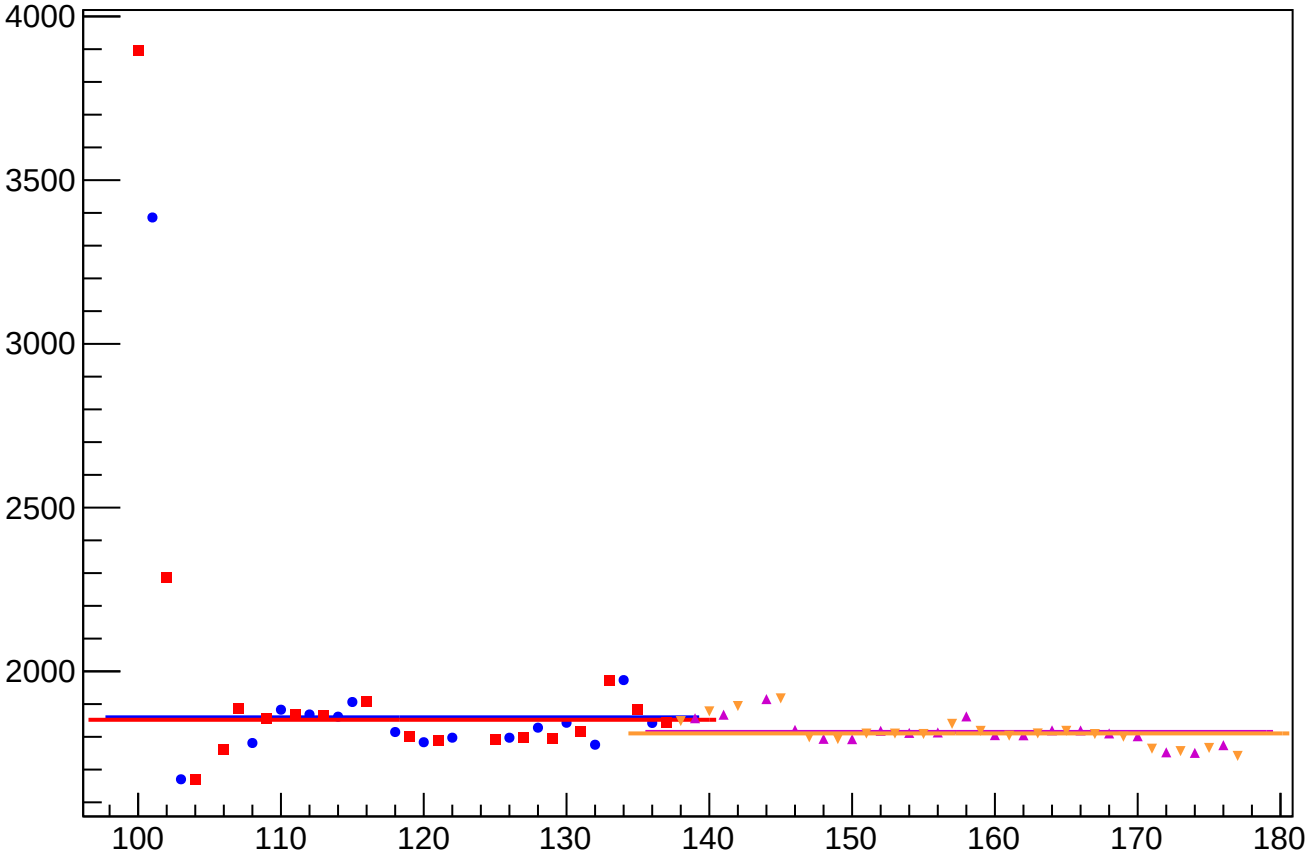
Left In: -4659.519+/-460.499 χ^2/NDF:26.0/18

+ sign 3607.523+/-381.119 χ^2/NDF: 28.5/35

All: -374.686+/-270.509 χ^2/NDF: 291.6/72

- sign -4417.545+/-384.011 χ^2/NDF: 43.1/36

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1810.444+/-0.321 χ^2/NDF:16554.6/19

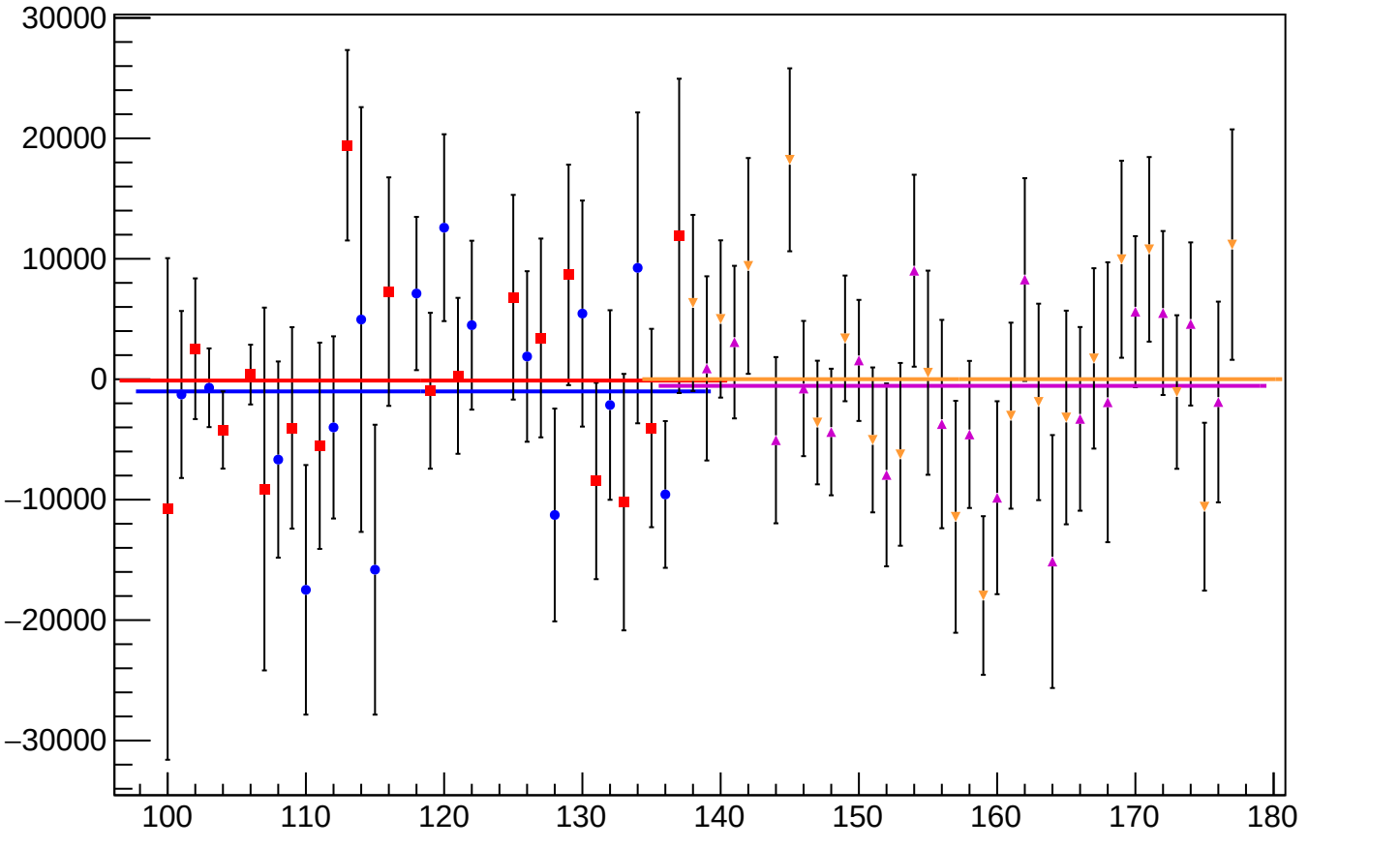
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

\+ sign 1825.033+/-0.269 χ^2/NDF: 315814.7/35

All: 1825.662+/-0.191 χ^2/NDF: 436106.5/72

\- sign 1826.300+/-0.271 χ^2/NDF: 120280.9/36



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 4.684+/-1601.619 χ^2/NDF:26.9/19

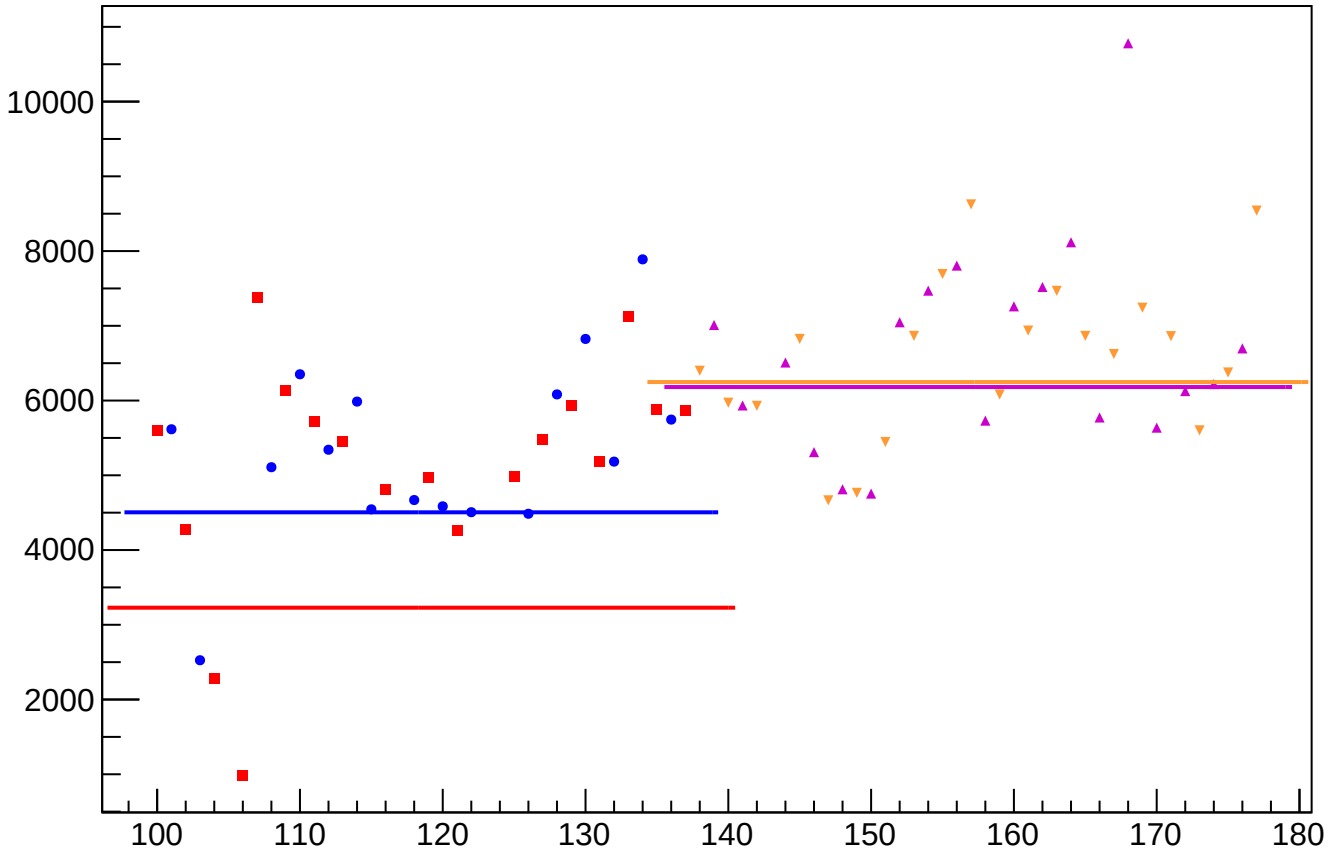
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -550.291+/-1600.511 χ^2/NDF:11.3/18

\+ sign -453.895+/-1185.832 χ^2/NDF: 41.8/35

All: -373.159+/-794.361 χ^2/NDF: 67.8/72

\- sign -307.440+/-1069.886 χ^2/NDF: 26.0/36



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6247.647+/-1.133 χ^2/NDF:854213.1/19

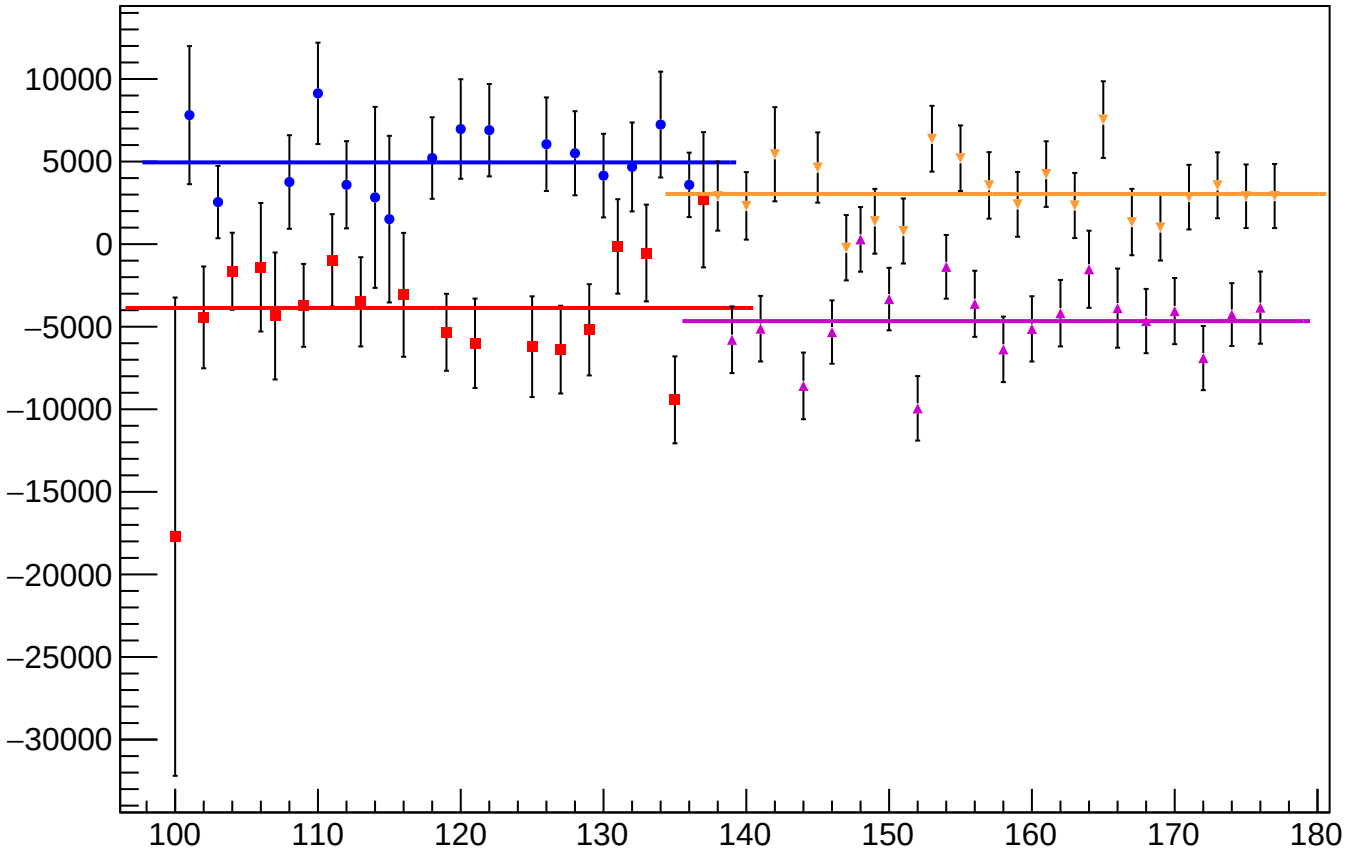
Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6180.991+/-1.132 χ^2/NDF:1032234.7/18

+ sign 5460.198+/-0.839 χ^2/NDF: 3245348.8/35

All: 4957.261+/-0.562 χ^2/NDF: 12651066.3/7

- sign 4547.866+/-0.757 χ^2/NDF: 8753111.5/36



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3039.238+/-454.660 χ^2/NDF:16.4/19

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

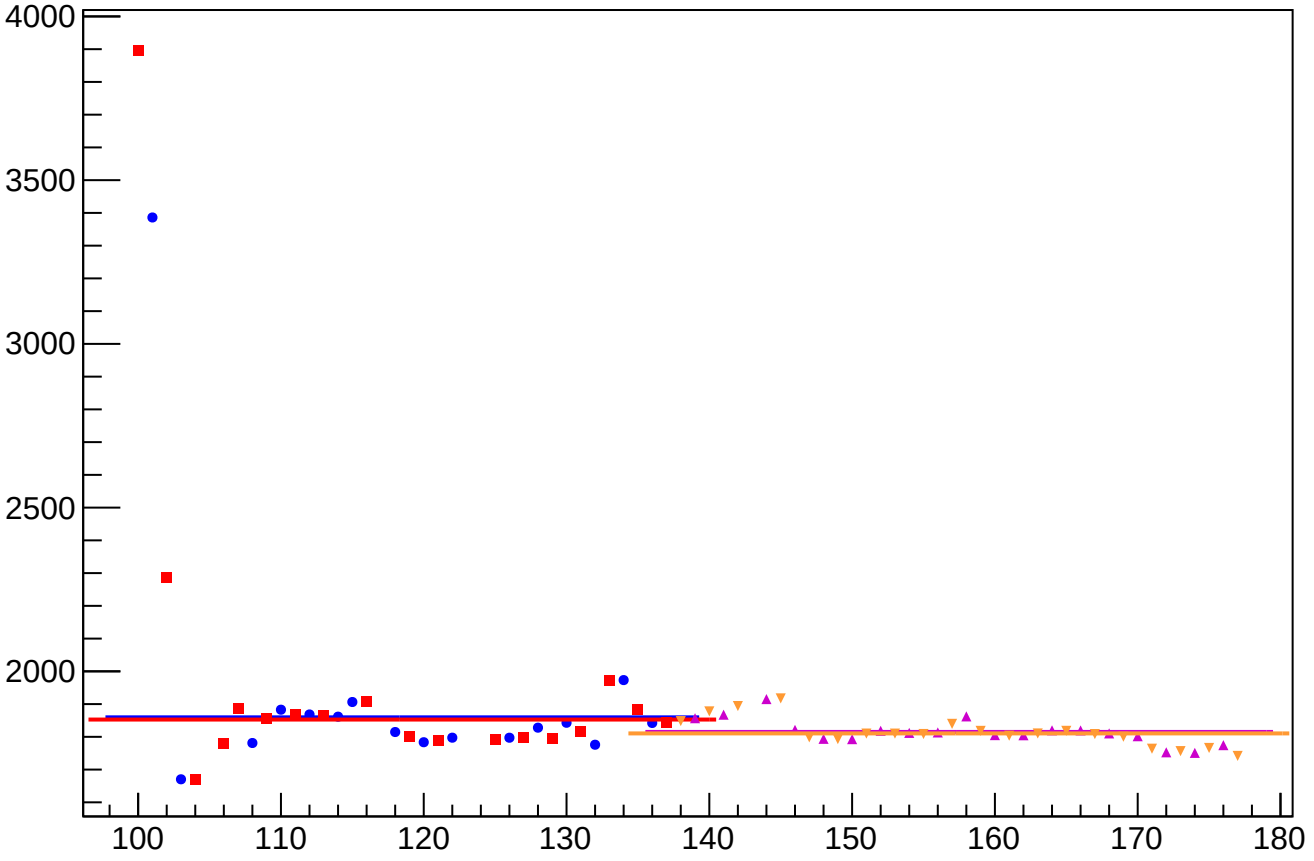
Left In: -4659.564+/-460.499 χ^2/NDF:26.0/18

\+ sign 3607.327+/-381.120 χ^2/NDF: 28.5/35

All: -374.768+/-270.509 χ^2/NDF: 291.6/72

\- sign -4417.511+/-384.011 χ^2/NDF: 43.1/36

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1810.444+/-0.321 χ^2/NDF:16554.6/19

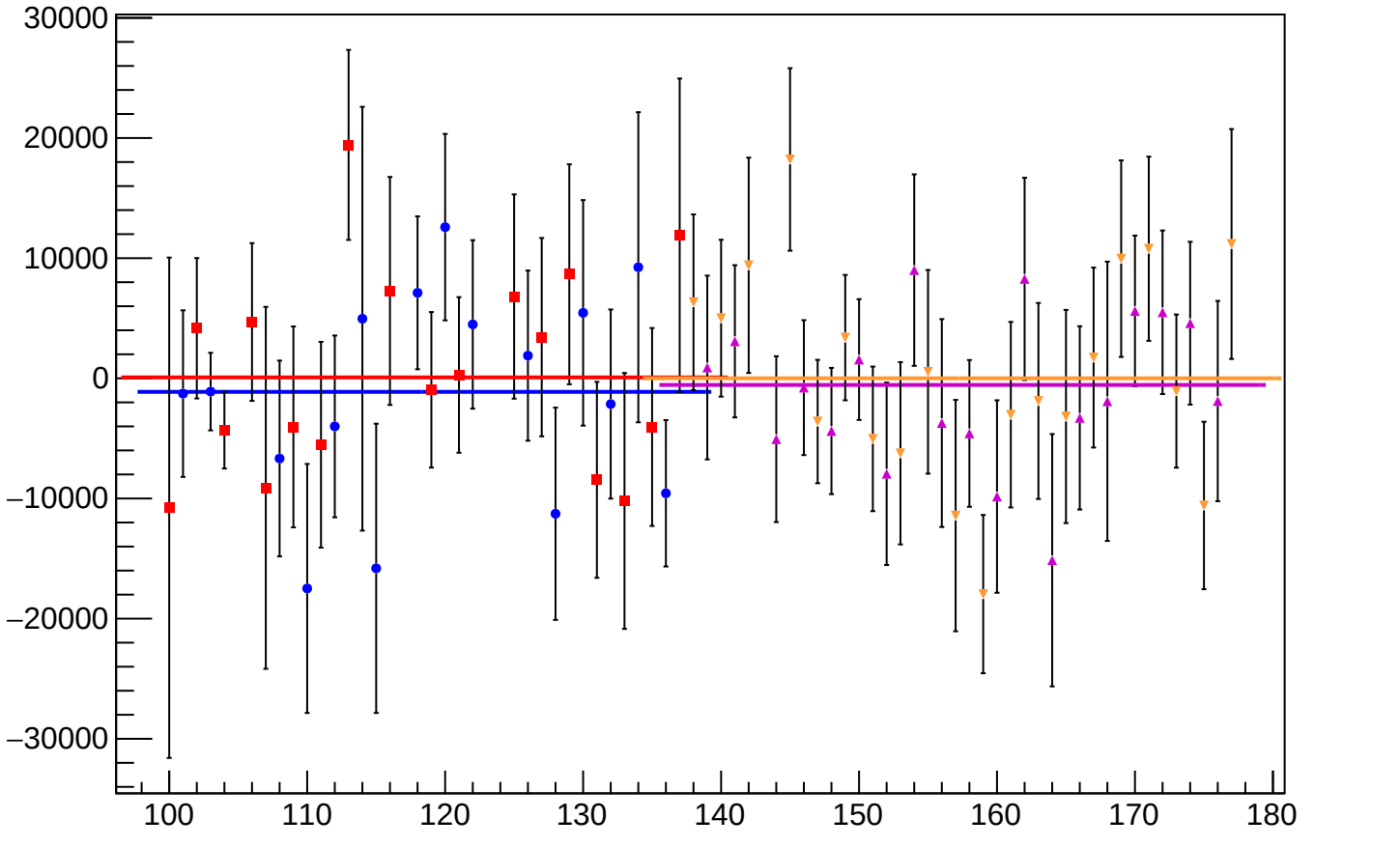
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

+ sign 1825.033+/-0.269 χ^2/NDF: 315816.5/35

All: 1825.767+/-0.191 χ^2/NDF: 435801.0/72

- sign 1826.510+/-0.271 χ^2/NDF: 119969.5/36



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4.643+/-1601.618 χ^2/NDF:26.9/19

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

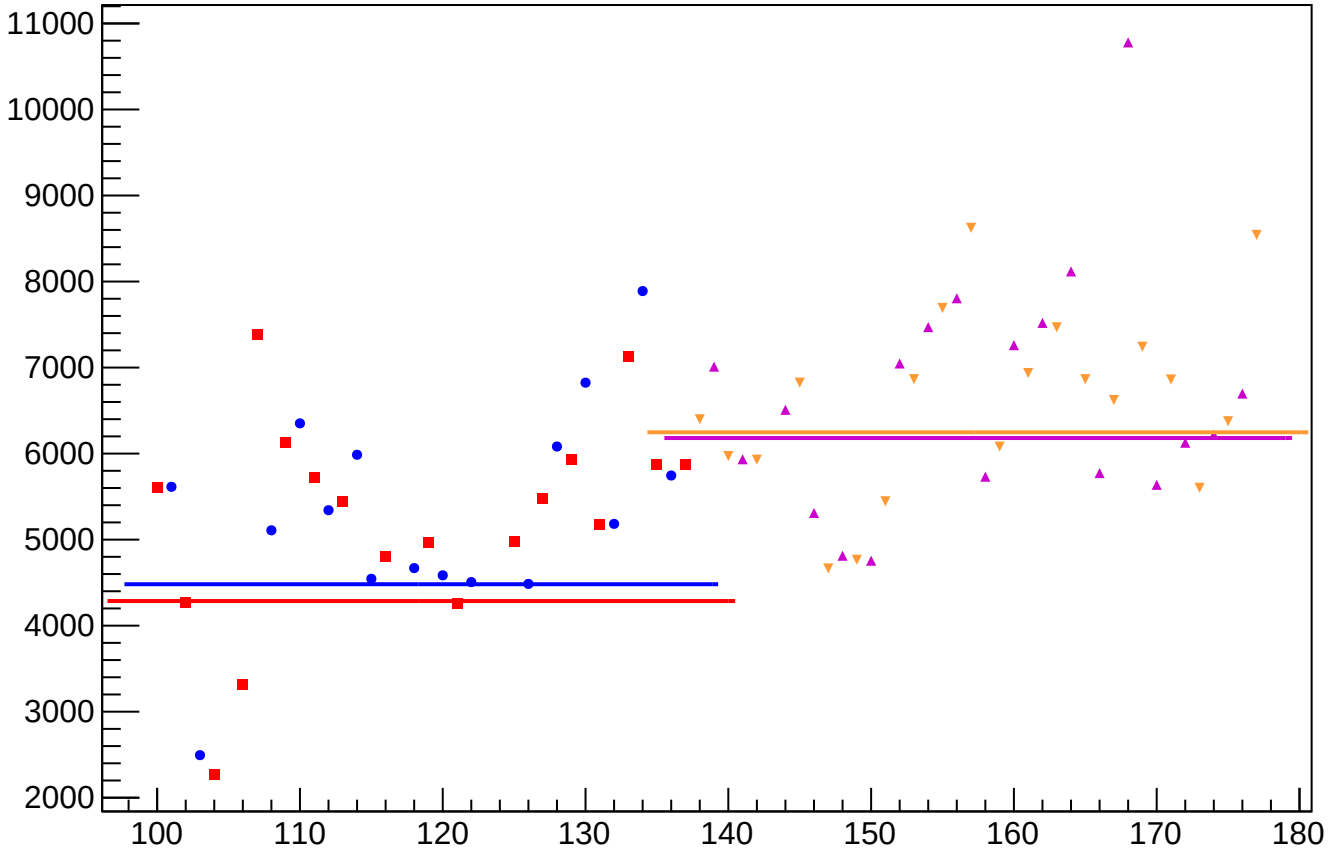
Left In: -550.416+/-1600.511 χ^2/NDF:11.3/18

+ sign -508.006+/-1183.911 χ^2/NDF: 41.8/35

All: -379.818+/-830.784 χ^2/NDF: 68.8/72

- sign -255.456+/-1166.104 χ^2/NDF: 26.9/36

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: 6247.643+/-1.133 χ^2/NDF:854221.8/19

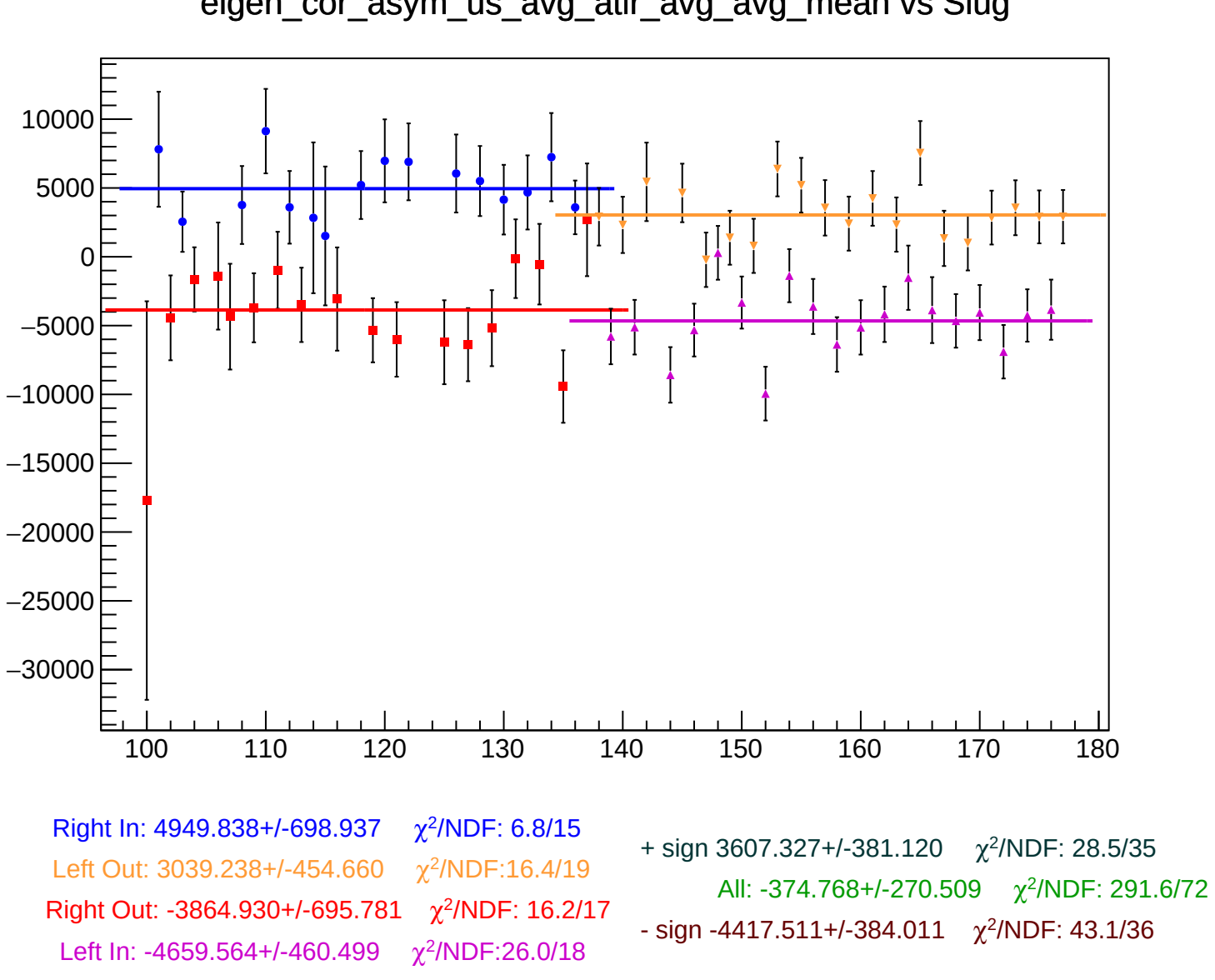
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

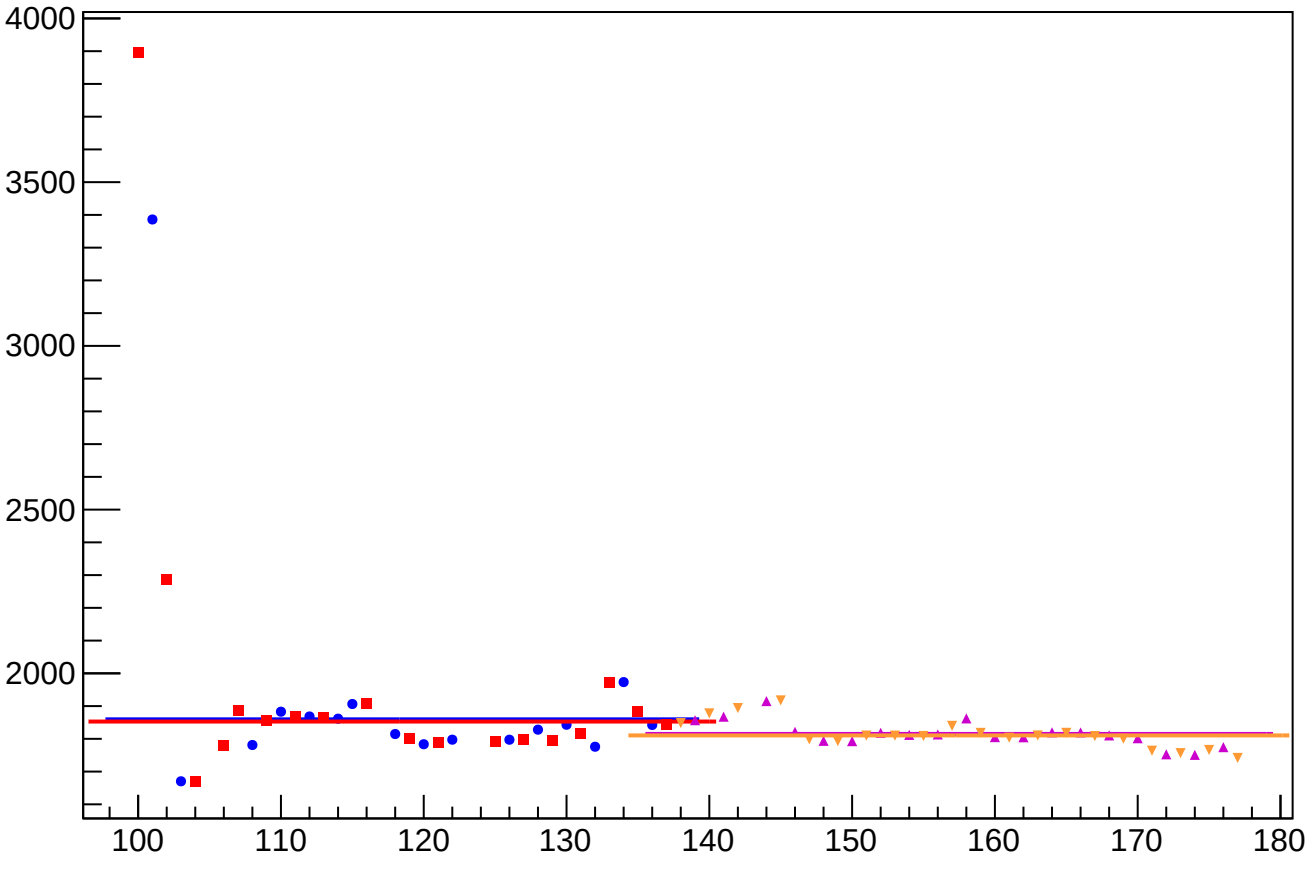
Left In: 6180.991+/-1.132 χ^2/NDF:1032242.6/18

+ sign 5446.550+/-0.837 χ^2/NDF: 3319580.7/35

All: 5368.093+/-0.587 χ^2/NDF: 7234198.5/72

- sign 5291.979+/-0.825 χ^2/NDF: 3897313.8/36


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: 3039.238+/-454.660 χ²/NDF:16.4/19
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4659.564+/-460.499 χ²/NDF:26.0/18
+ sign 3607.327+/-381.120 χ²/NDF: 28.5/35
All: -374.768+/-270.509 χ²/NDF: 291.6/72
- sign -4417.511+/-384.011 χ²/NDF: 43.1/36



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1810.444+/-0.321 χ^2/NDF:16554.6/19

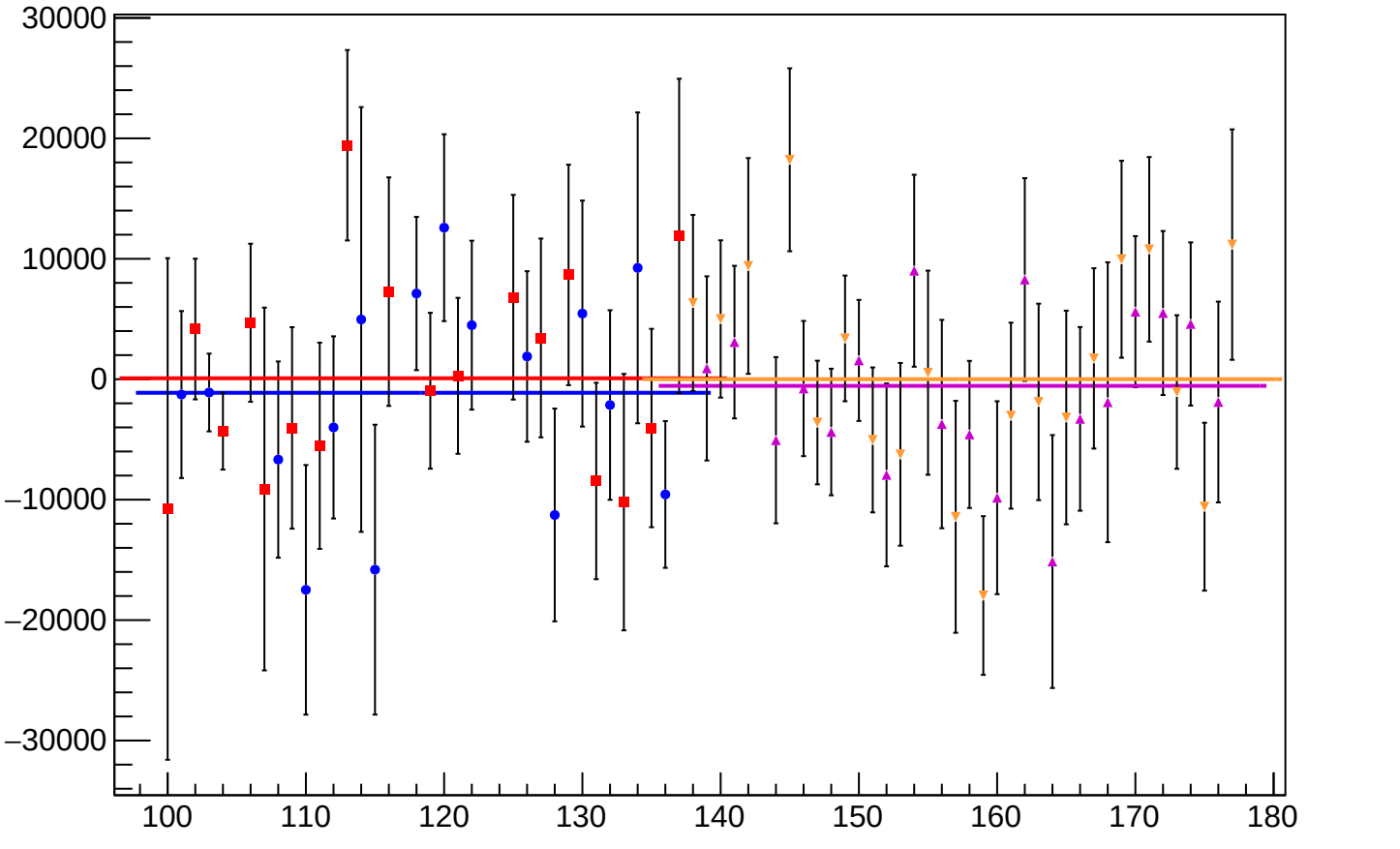
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

+ sign 1825.033+/-0.269 χ^2/NDF: 315816.5/35

All: 1825.767+/-0.191 χ^2/NDF: 435801.0/72

- sign 1826.510+/-0.271 χ^2/NDF: 119969.5/36



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4.643+/-1601.618 χ^2/NDF:26.9/19

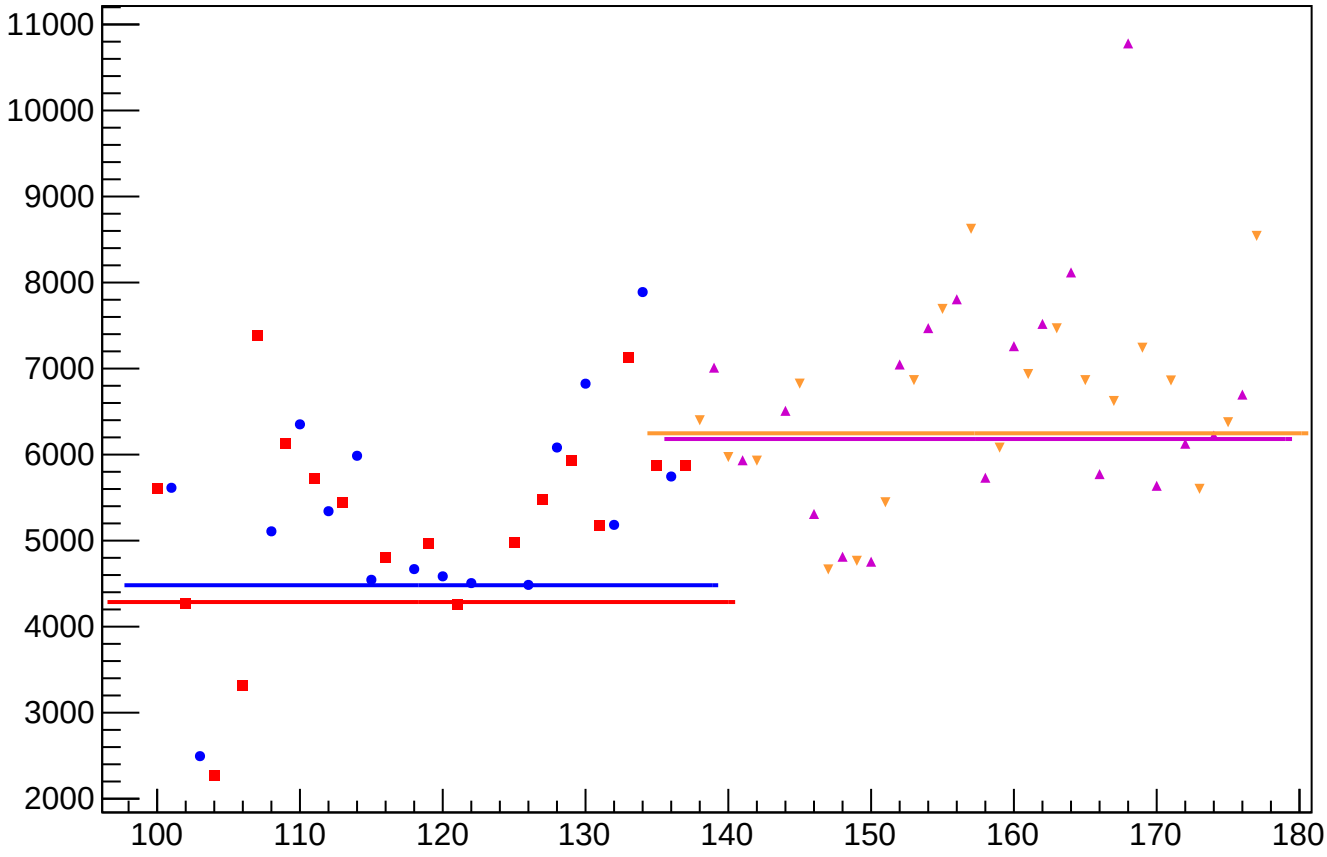
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -550.416+/-1600.511 χ^2/NDF:11.3/18

+ sign -508.006+/-1183.911 χ^2/NDF: 41.8/35

All: -379.818+/-830.784 χ^2/NDF: 68.8/72

- sign -255.456+/-1166.104 χ^2/NDF: 26.9/36



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6247.643+/-1.133 χ^2/NDF:854221.8/19

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

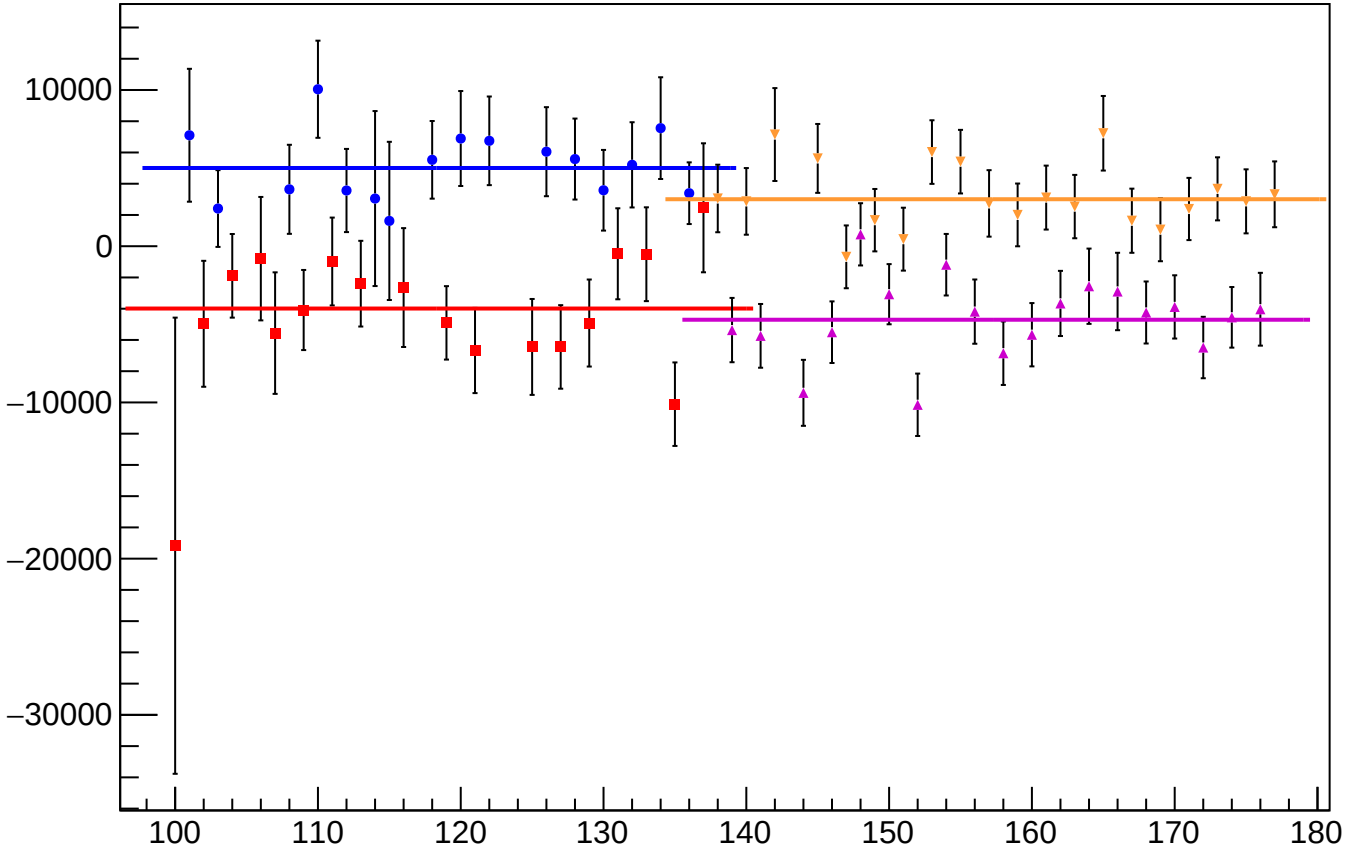
Left In: 6180.991+/-1.132 χ^2/NDF:1032242.6/18

+ sign 5446.550+/-0.837 χ^2/NDF: 3319580.7/35

All: 5368.093+/-0.587 χ^2/NDF: 7234198.5/72

- sign 5291.979+/-0.825 χ^2/NDF: 3897313.8/36

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3007.921+/-468.882 χ^2/NDF:17.4/19

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

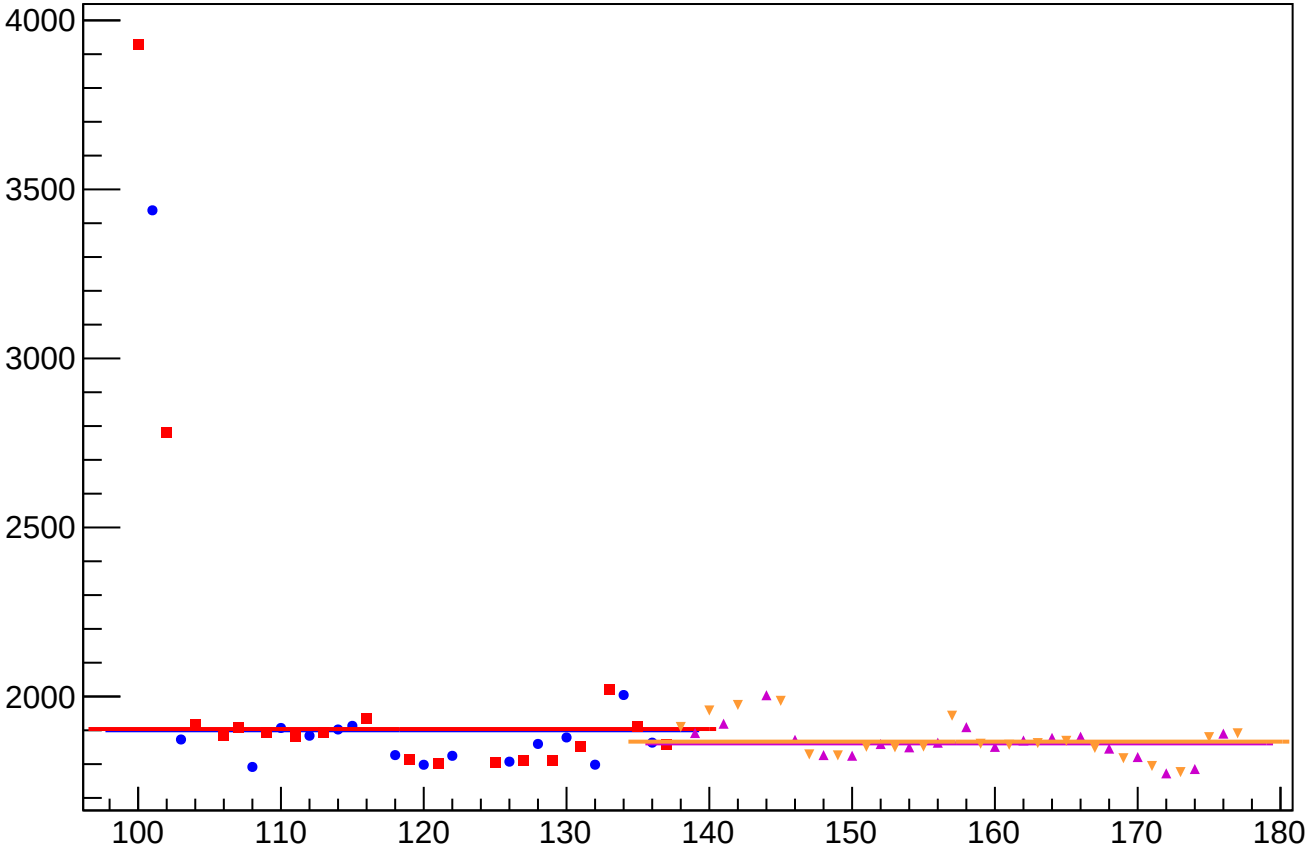
Left In: -4706.344+/-472.401 χ^2/NDF:28.4/18

+ sign 3610.287+/-391.937 χ^2/NDF: 30.6/35

All: -410.300+/-278.153 χ^2/NDF: 289.1/72

- sign -4490.118+/-394.814 χ^2/NDF: 46.5/36

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1866.515+/-0.332 χ^2/NDF:26053.3/19

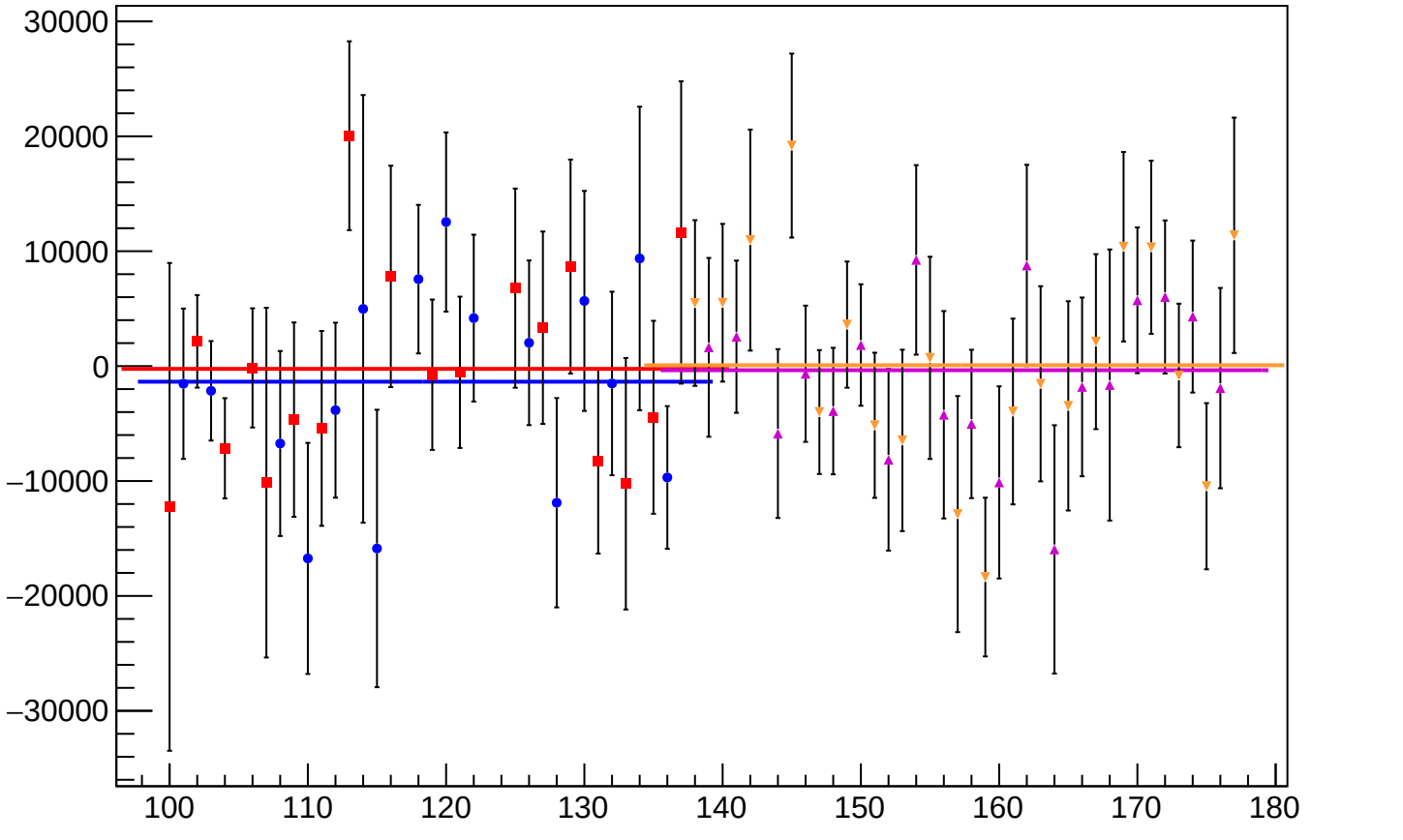
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1861.375+/-0.334 χ^2/NDF:22383.7/18

+ sign 1876.637+/-0.277 χ^2/NDF: 307595.0/35

All: 1875.424+/-0.197 χ^2/NDF: 485010.3/72

- sign 1874.194+/-0.279 χ^2/NDF: 177376.7/36



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 77.538+/-1657.258 χ^2/NDF:26.5/19

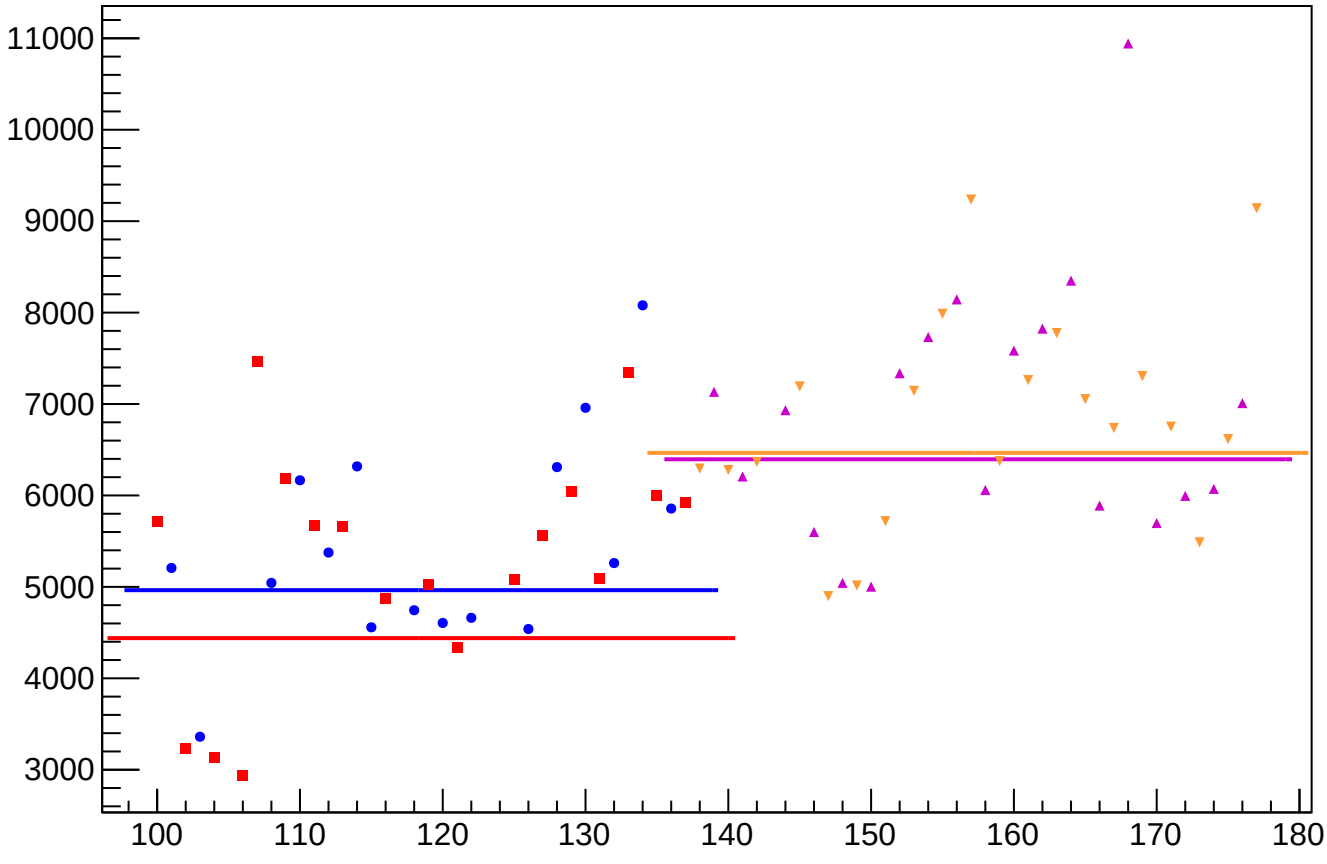
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -358.078+/-1655.030 χ^2/NDF:11.4/18

\+ sign -543.615+/-1247.779 χ^2/NDF: 41.6/35

All: -416.898+/-861.213 χ^2/NDF: 68.7/72

\- sign -301.616+/-1190.143 χ^2/NDF: 27.1/36



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6465.813+/-1.172 χ^2/NDF:864502.7/19

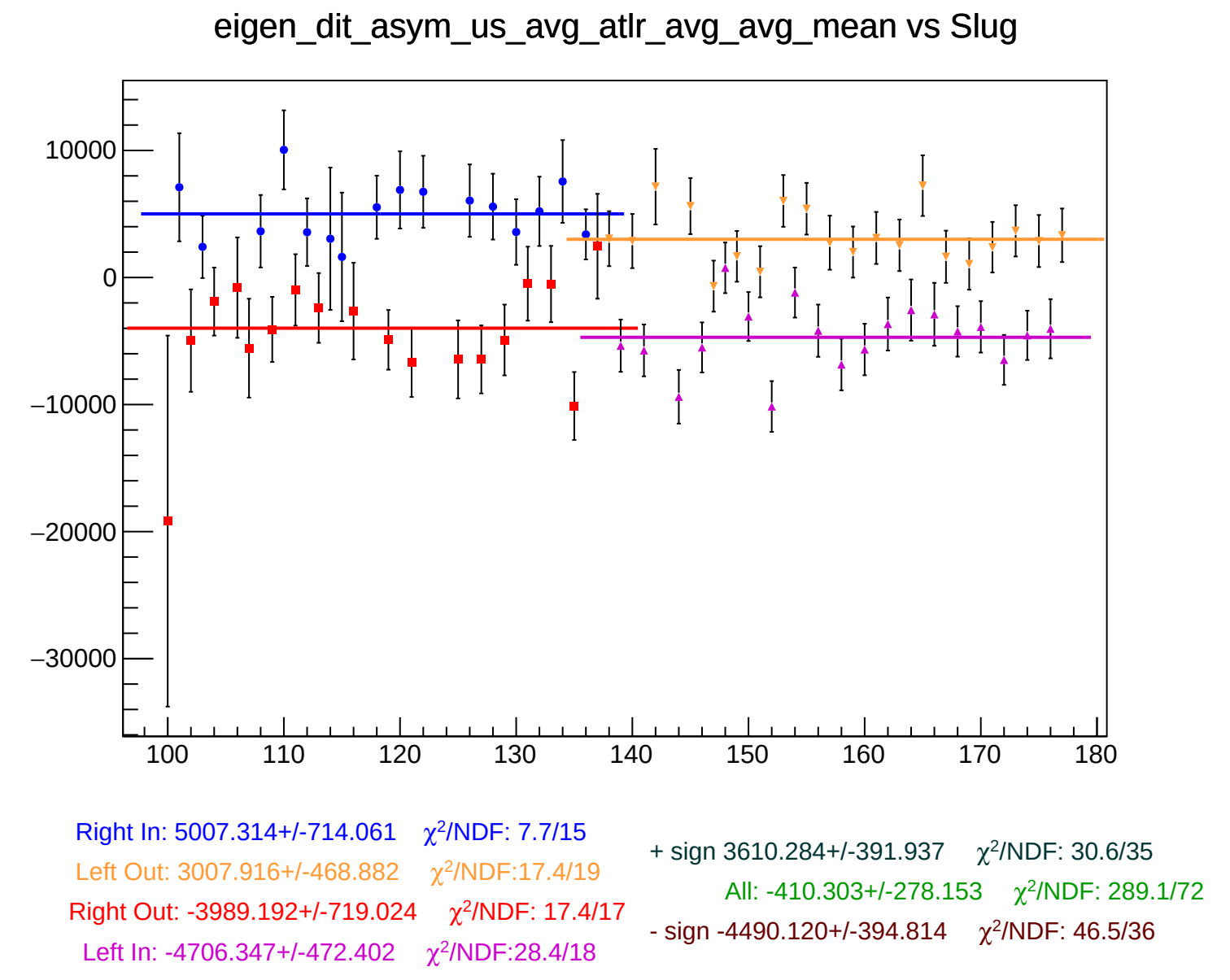
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6395.652+/-1.170 χ^2/NDF:997953.3/18

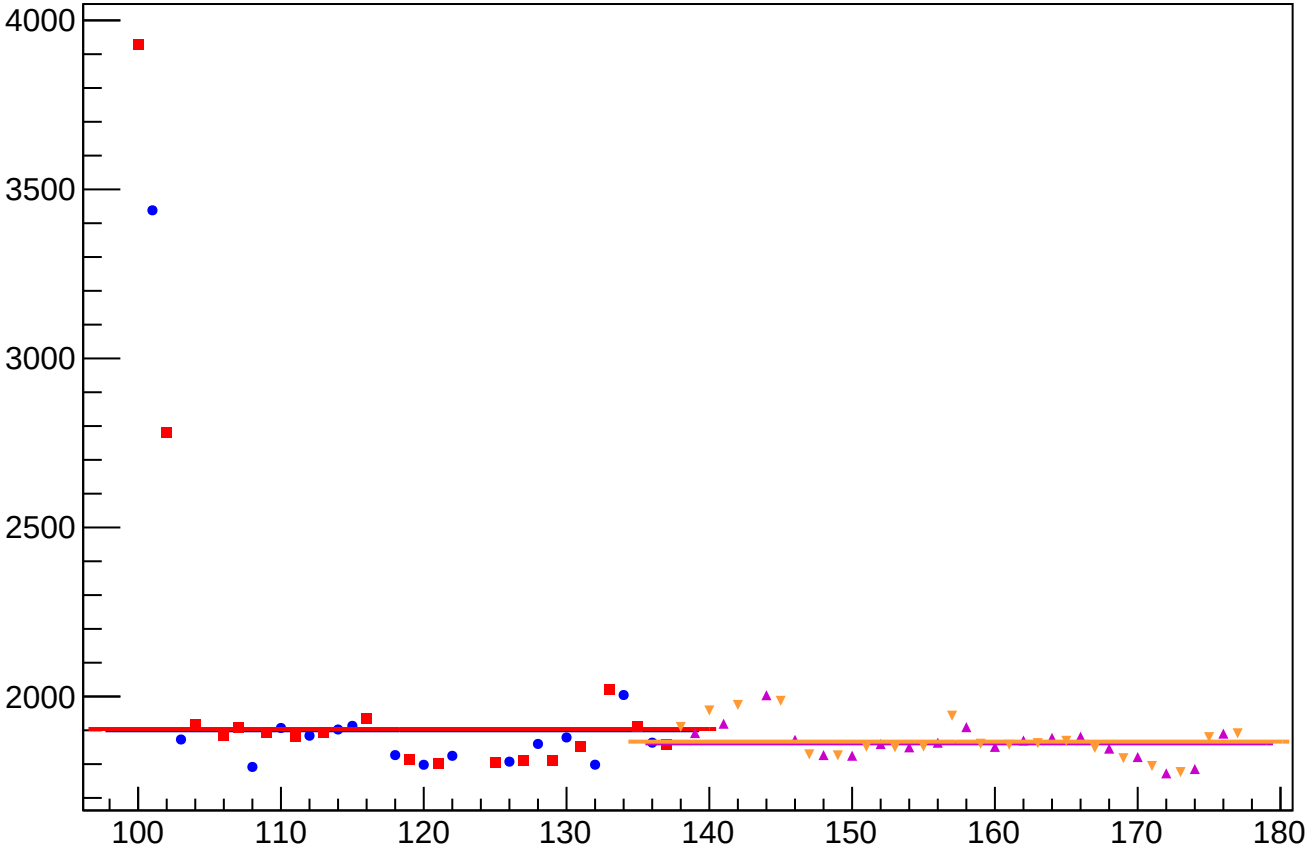
+ sign 5815.355+/-0.882 χ^2/NDF: 2203233.9/35

All: 5624.640+/-0.609 χ^2/NDF: 5797859.0/72

- sign 5451.137+/-0.842 χ^2/NDF: 3505397.3/36


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: 3007.916+/-468.882 χ²/NDF:17.4/19
Right Out: -3989.192+/-719.024 χ²/NDF: 17.4/17
Left In: -4706.347+/-472.402 χ²/NDF:28.4/18
+ sign 3610.284+/-391.937 χ²/NDF: 30.6/35
All: -410.303+/-278.153 χ²/NDF: 289.1/72
- sign -4490.120+/-394.814 χ²/NDF: 46.5/36

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: 1866.516+/-0.332 χ^2/NDF:26054.2/19

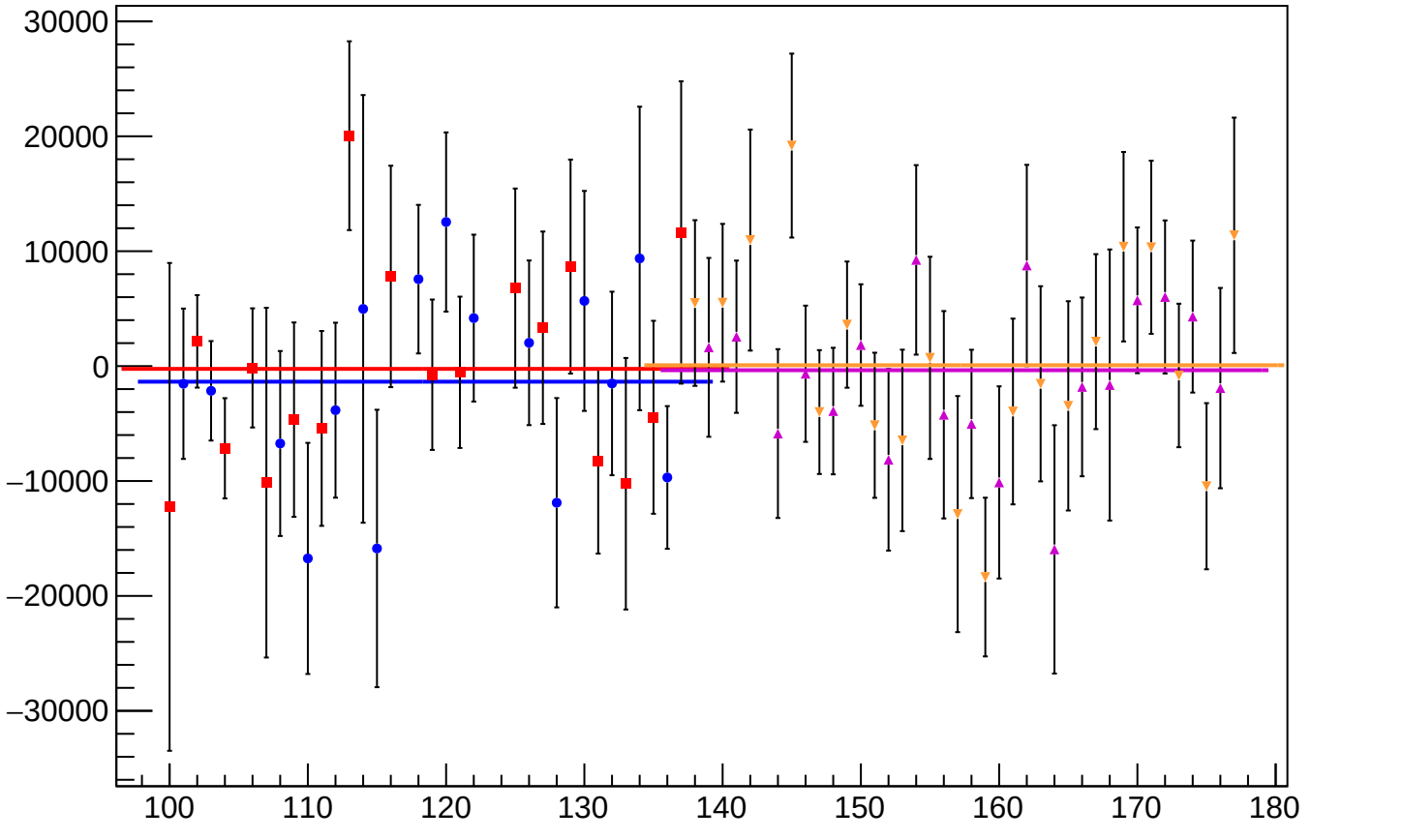
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1861.376+/-0.334 χ^2/NDF:22384.4/18

+ sign 1876.637+/-0.277 χ^2/NDF: 307595.8/35

All: 1875.424+/-0.197 χ^2/NDF: 485010.6/72

- sign 1874.194+/-0.279 χ^2/NDF: 177376.2/36



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 77.533+/-1657.261 χ^2/NDF:26.5/19

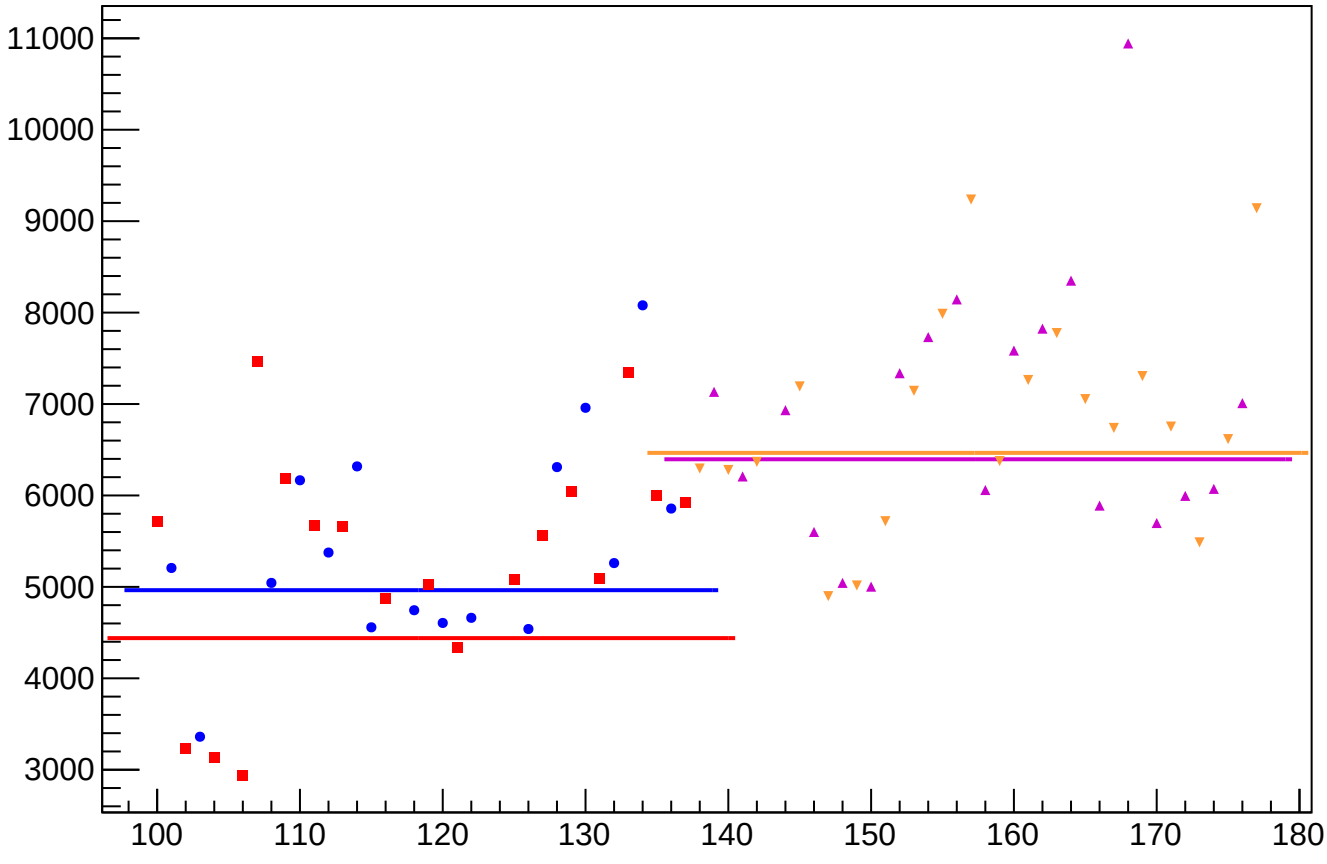
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -358.078+/-1655.033 χ^2/NDF:11.4/18

+ sign -543.616+/-1247.779 χ^2/NDF: 41.6/35

All: -416.898+/-861.213 χ^2/NDF: 68.7/72

- sign -301.617+/-1190.142 χ^2/NDF: 27.1/36



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6465.824+/-1.172 χ^2/NDF:864504.4/19

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

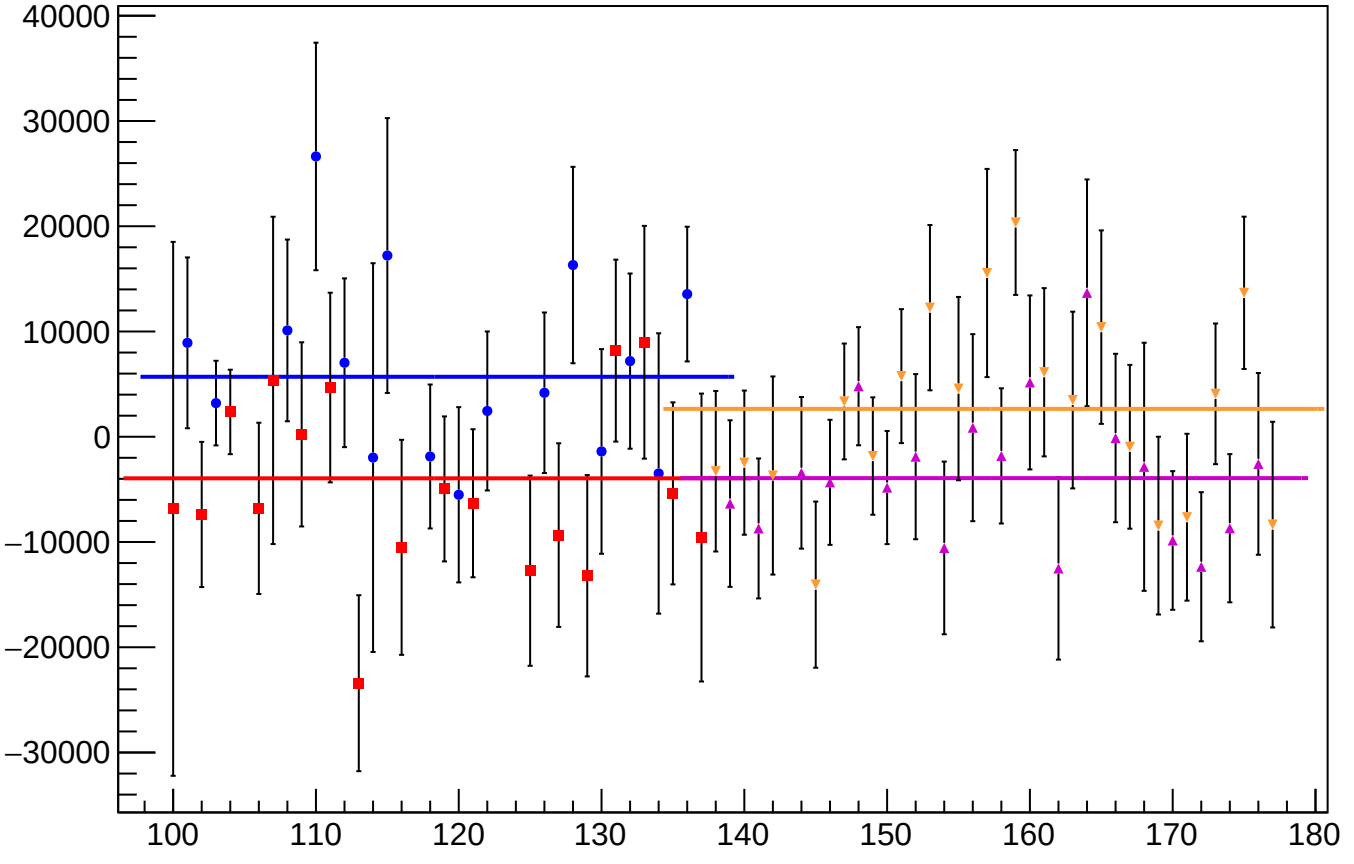
Left In: 6395.662+/-1.170 χ^2/NDF:997954.9/18

+ sign 5815.352+/-0.882 χ^2/NDF: 2203261.5/35

All: 5624.637+/-0.609 χ^2/NDF: 5797919.7/72

- sign 5451.133+/-0.842 χ^2/NDF: 3505429.6/36

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2648.452+/-1674.686 χ^2/NDF:25.0/19

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

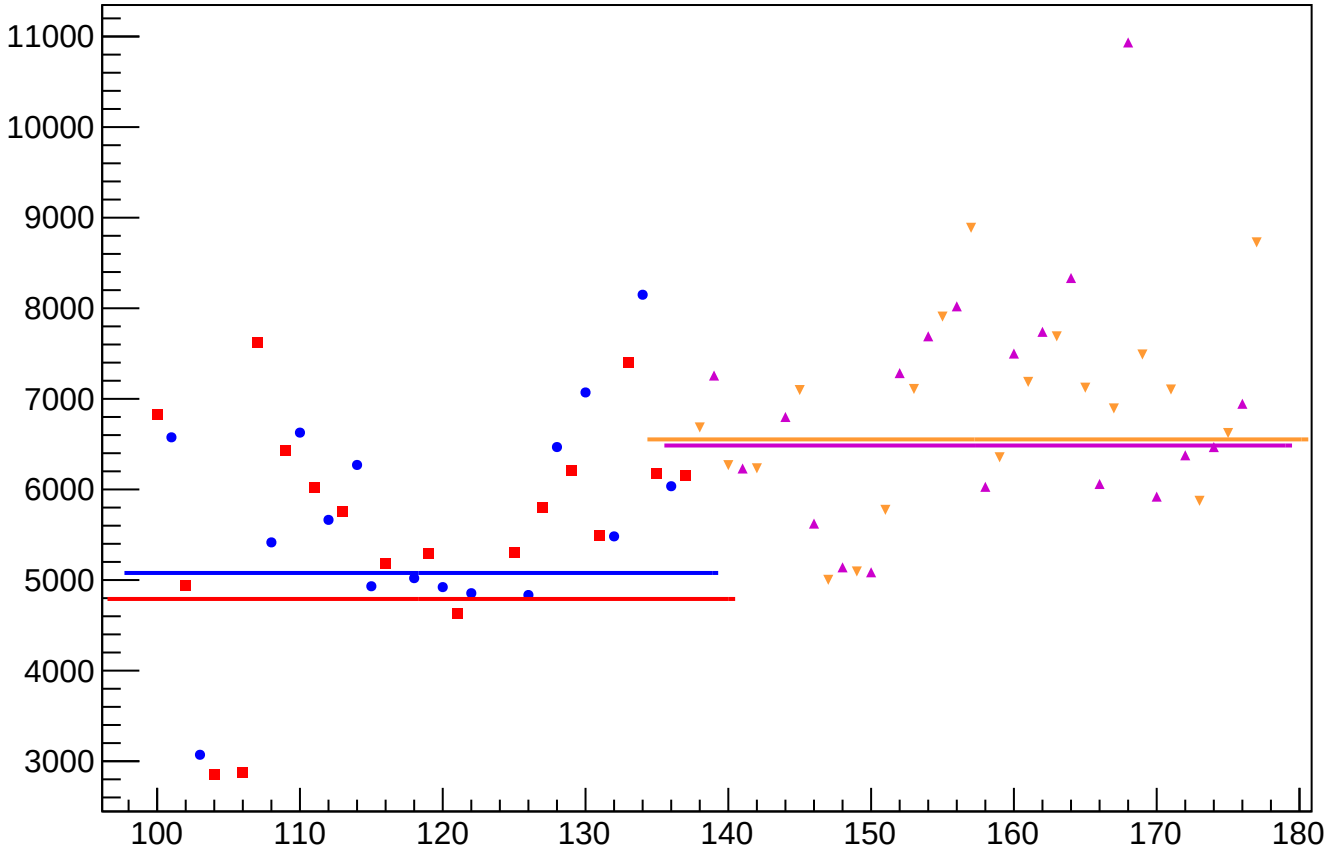
Left In: -3931.428+/-1674.595 χ^2/NDF:12.0/18

\+ sign 3935.577+/-1273.005 χ^2/NDF: 39.1/35

All: -35.412+/-896.301 χ^2/NDF: 86.5/72

\- sign -3939.187+/-1262.186 χ^2/NDF: 28.1/36

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6552.453+/-1.184 χ^2/NDF:727881.9/19

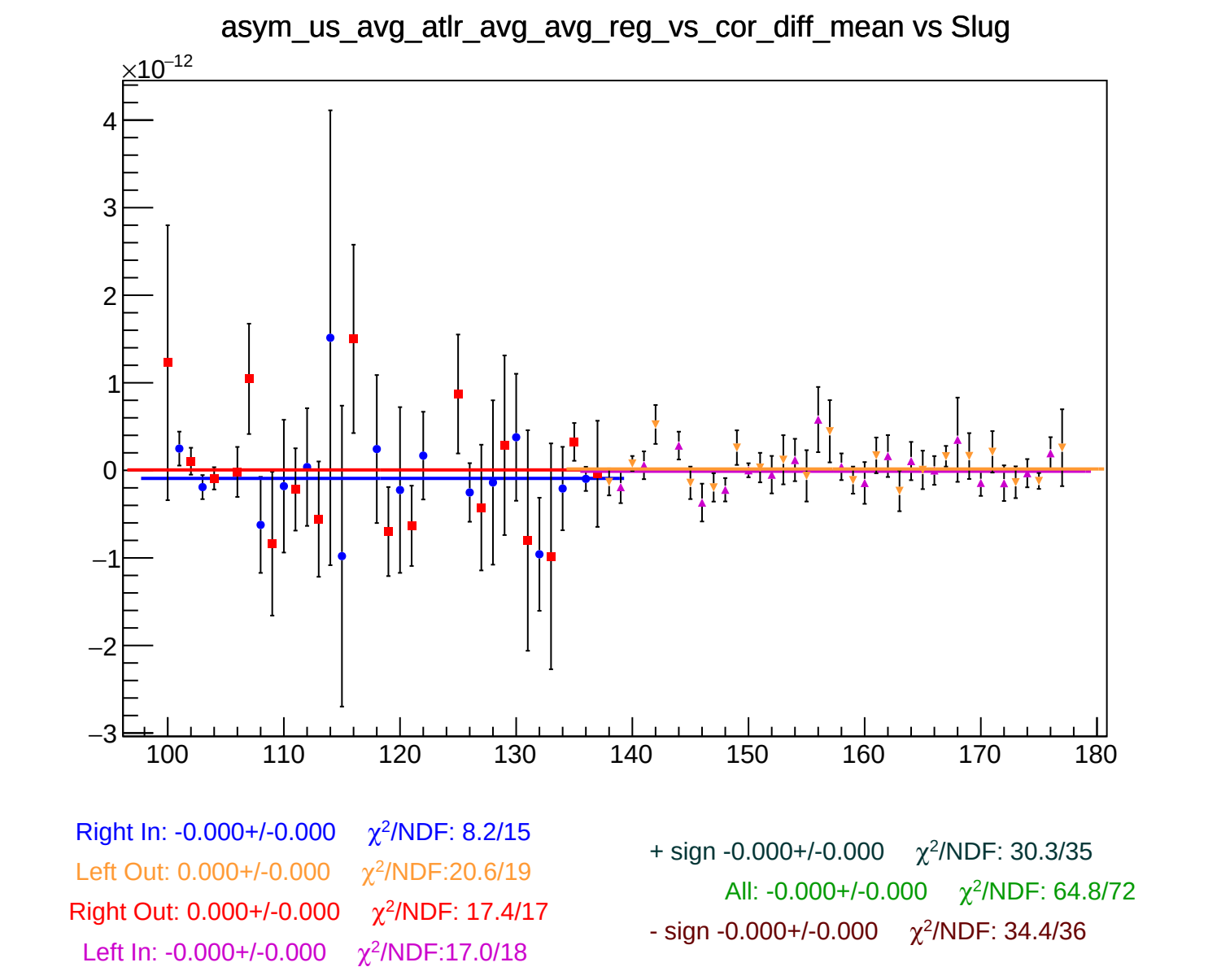
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6485.074+/-1.184 χ^2/NDF:894822.2/18

+ sign 5930.024+/-0.900 χ^2/NDF: 2301482.4/35

All: 5831.585+/-0.631 χ^2/NDF: 5286601.0/72

- sign 5736.517+/-0.885 χ^2/NDF: 2961609.4/36


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
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170
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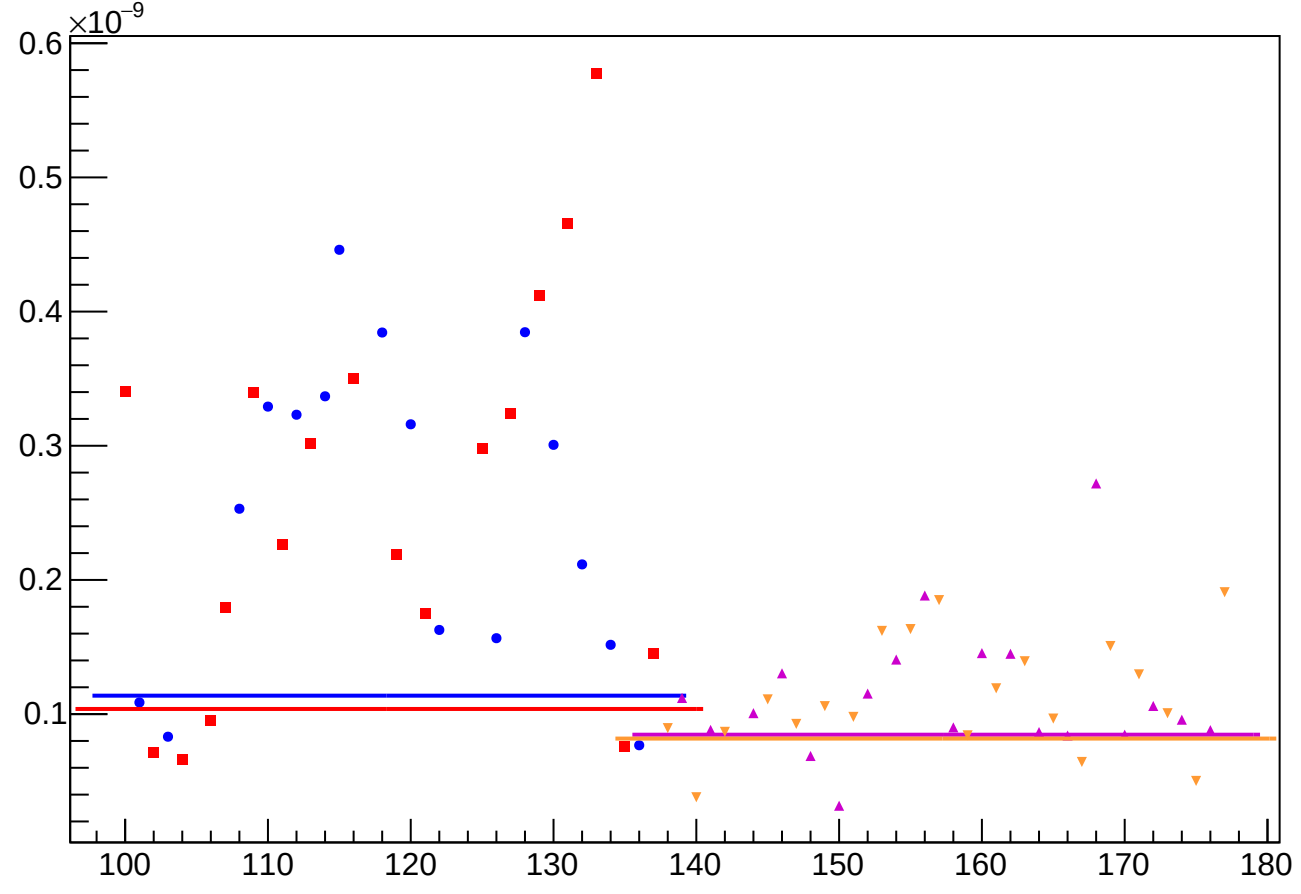
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:20.6/19
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: -0.000+/-0.000 χ²/NDF:17.0/18
+ sign -0.000+/-0.000 χ²/NDF: 30.3/35
All: -0.000+/-0.000 χ²/NDF: 64.8/72
- sign -0.000+/-0.000 χ²/NDF: 34.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1973612.5/19

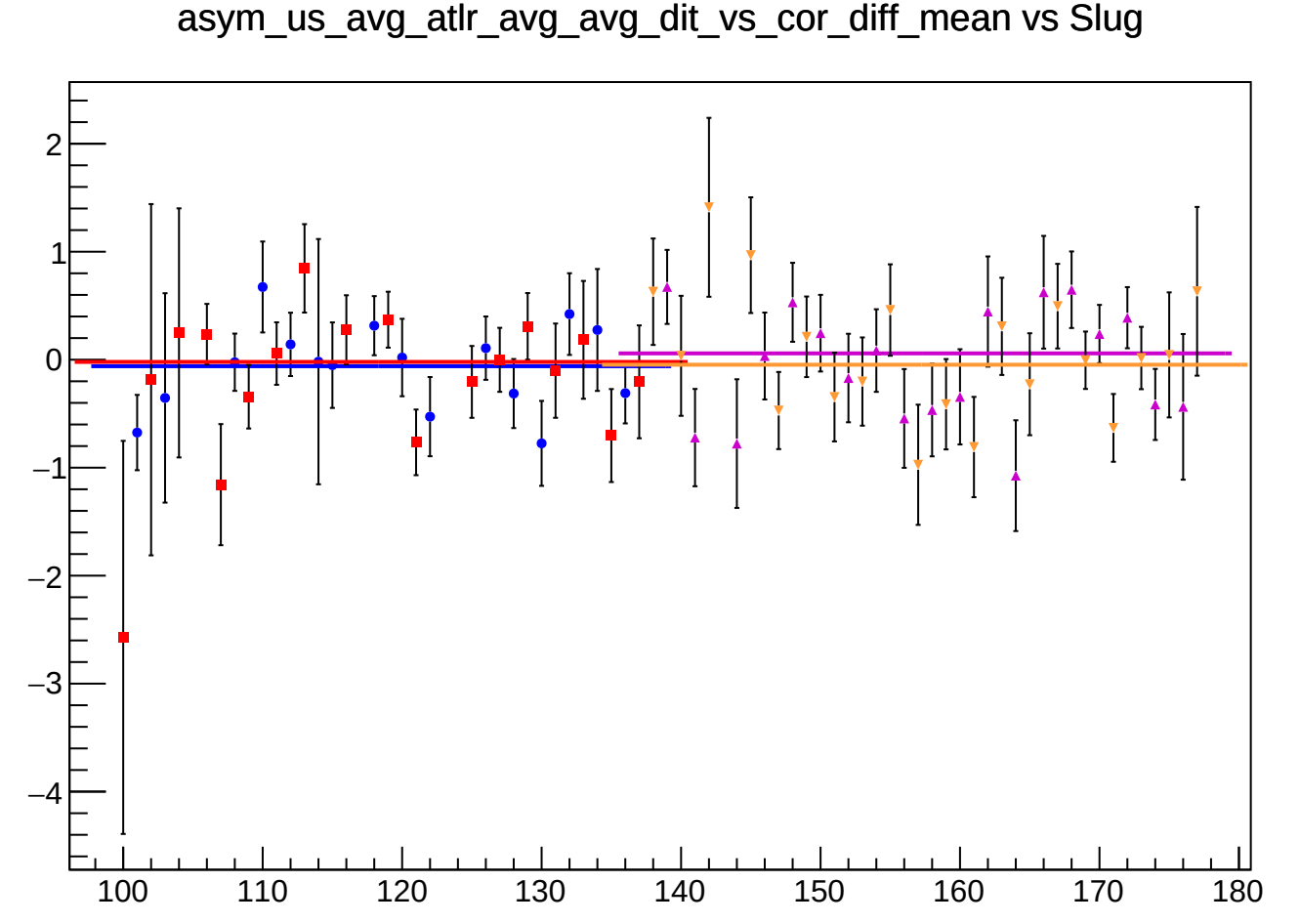
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1962017.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 3773624.5/35

All: 0.000+/-0.000 χ^2/NDF: 7922520.6/72

- sign 0.000+/-0.000 χ^2/NDF: 4148323.1/36



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.047+/-0.093 χ^2/NDF:25.8/19

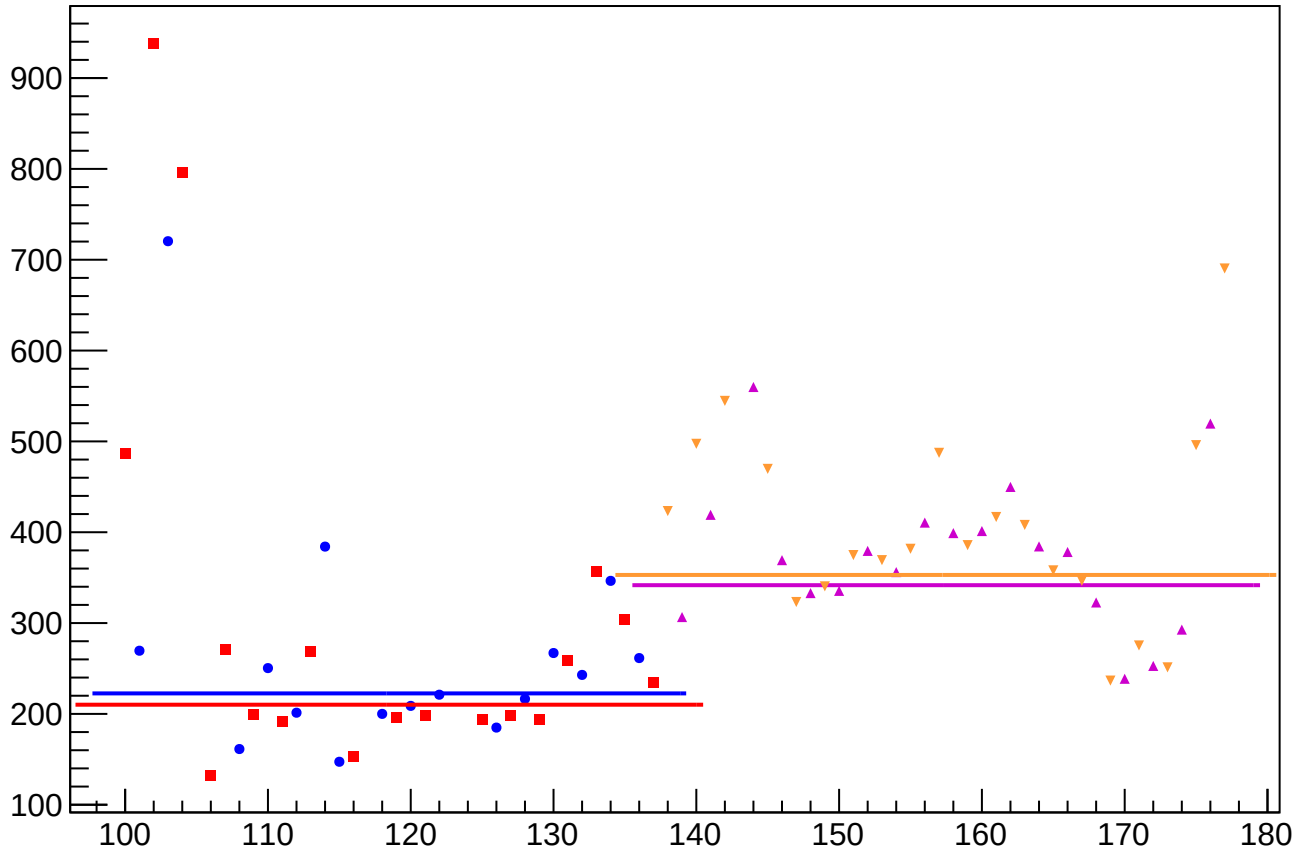
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.059+/-0.090 χ^2/NDF:28.3/18

+ sign -0.054+/-0.064 χ^2/NDF: 43.1/35

All: -0.017+/-0.045 χ^2/NDF: 98.6/72

- sign 0.018+/-0.063 χ^2/NDF: 54.8/36



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 352.981+/-0.066 χ^2/NDF:1857747.6/19

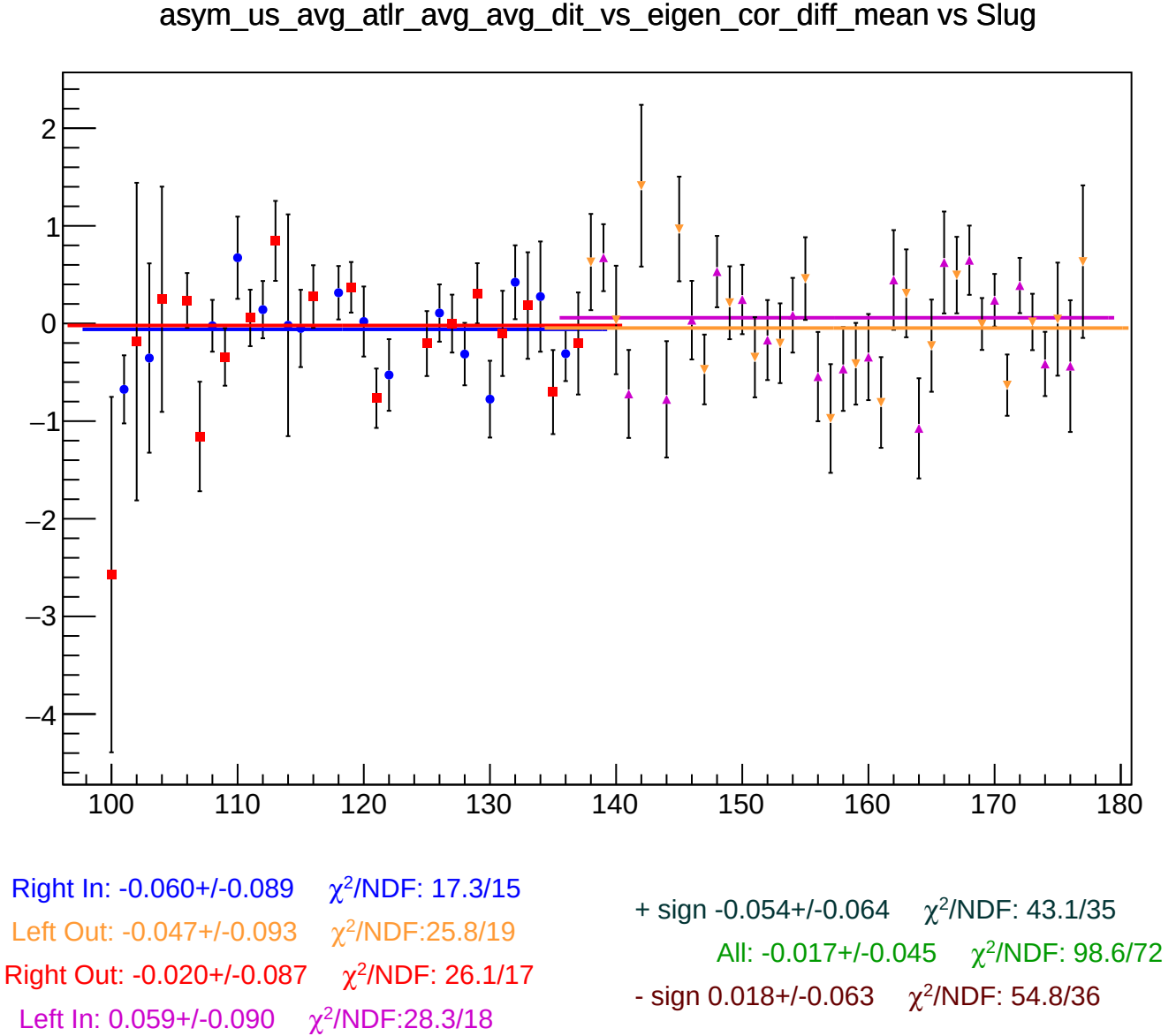
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 341.705+/-0.064 χ^2/NDF:1288127.1/18

+ sign 284.555+/-0.045 χ^2/NDF: 4933404.7/35

All: 279.085+/-0.032 χ^2/NDF: 9992706.7/72

- sign 273.858+/-0.044 χ^2/NDF: 5030927.4/36


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
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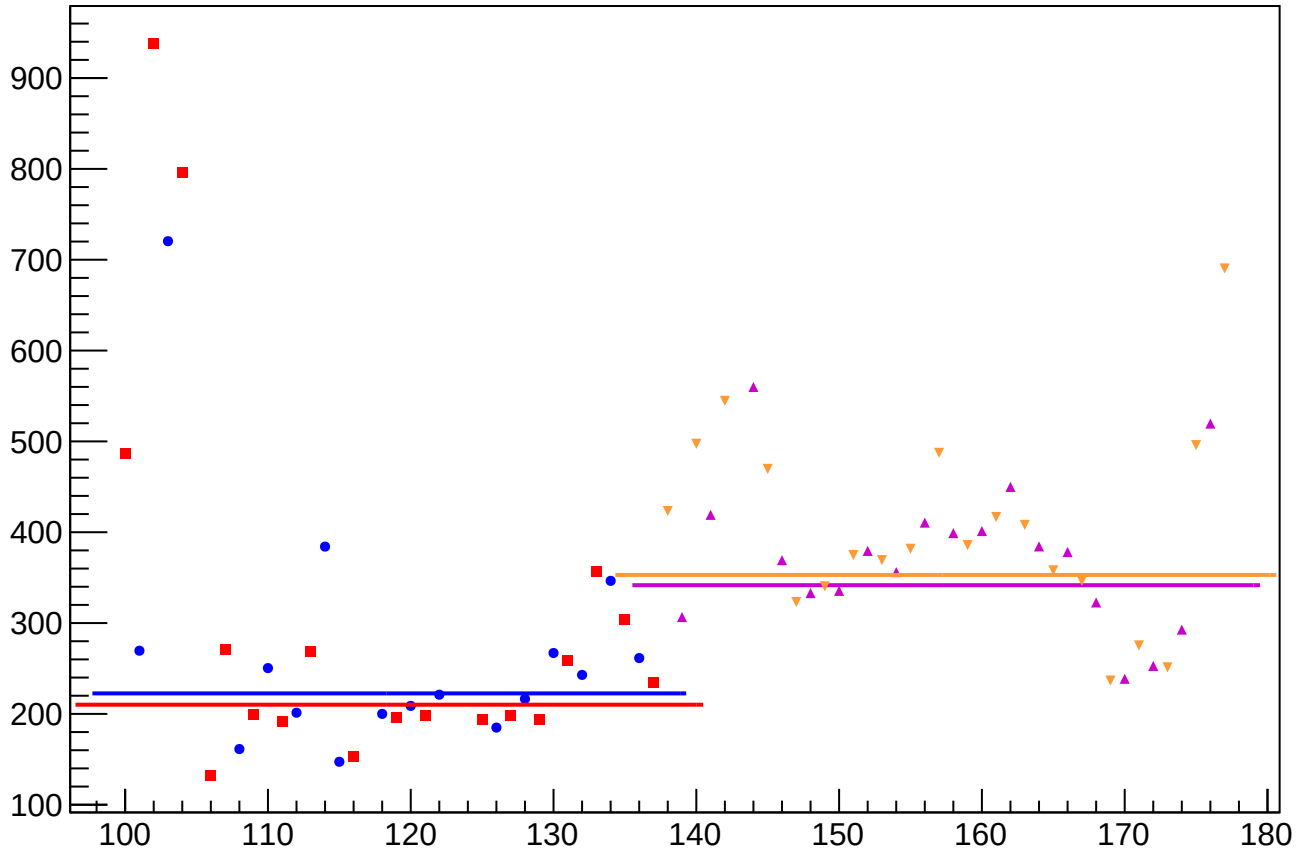
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.047+/-0.093 χ²/NDF:25.8/19
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.059+/-0.090 χ²/NDF:28.3/18
+ sign -0.054+/-0.064 χ²/NDF: 43.1/35
All: -0.017+/-0.045 χ²/NDF: 98.6/72
- sign 0.018+/-0.063 χ²/NDF: 54.8/36



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 352.981+/-0.066 χ^2/NDF:1857747.6/19

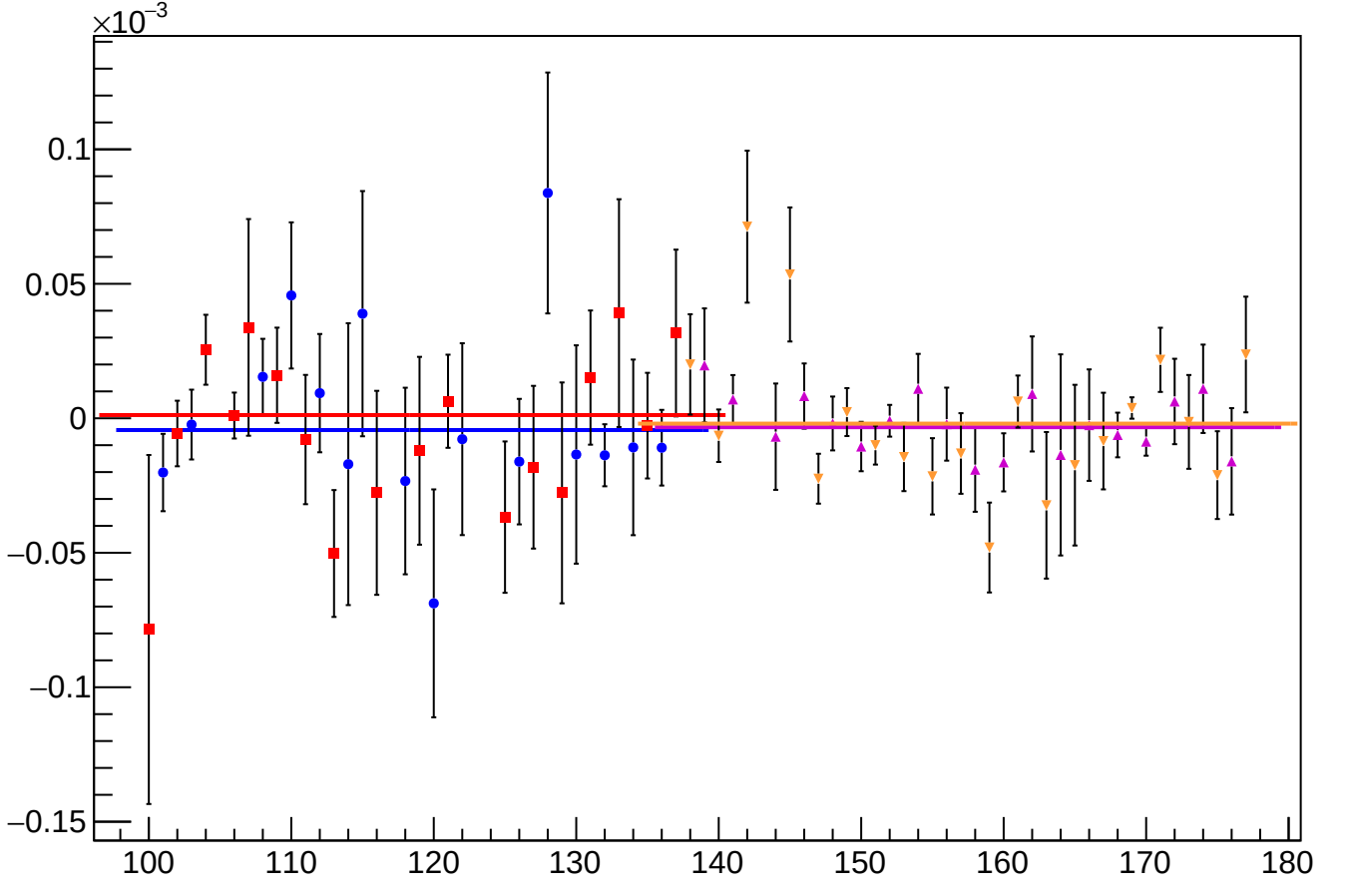
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 341.705+/-0.064 χ^2/NDF:1288127.1/18

+ sign 284.555+/-0.045 χ^2/NDF: 4933404.7/35

All: 279.085+/-0.032 χ^2/NDF: 9992706.7/72

- sign 273.858+/-0.044 χ^2/NDF: 5030927.4/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.9/19

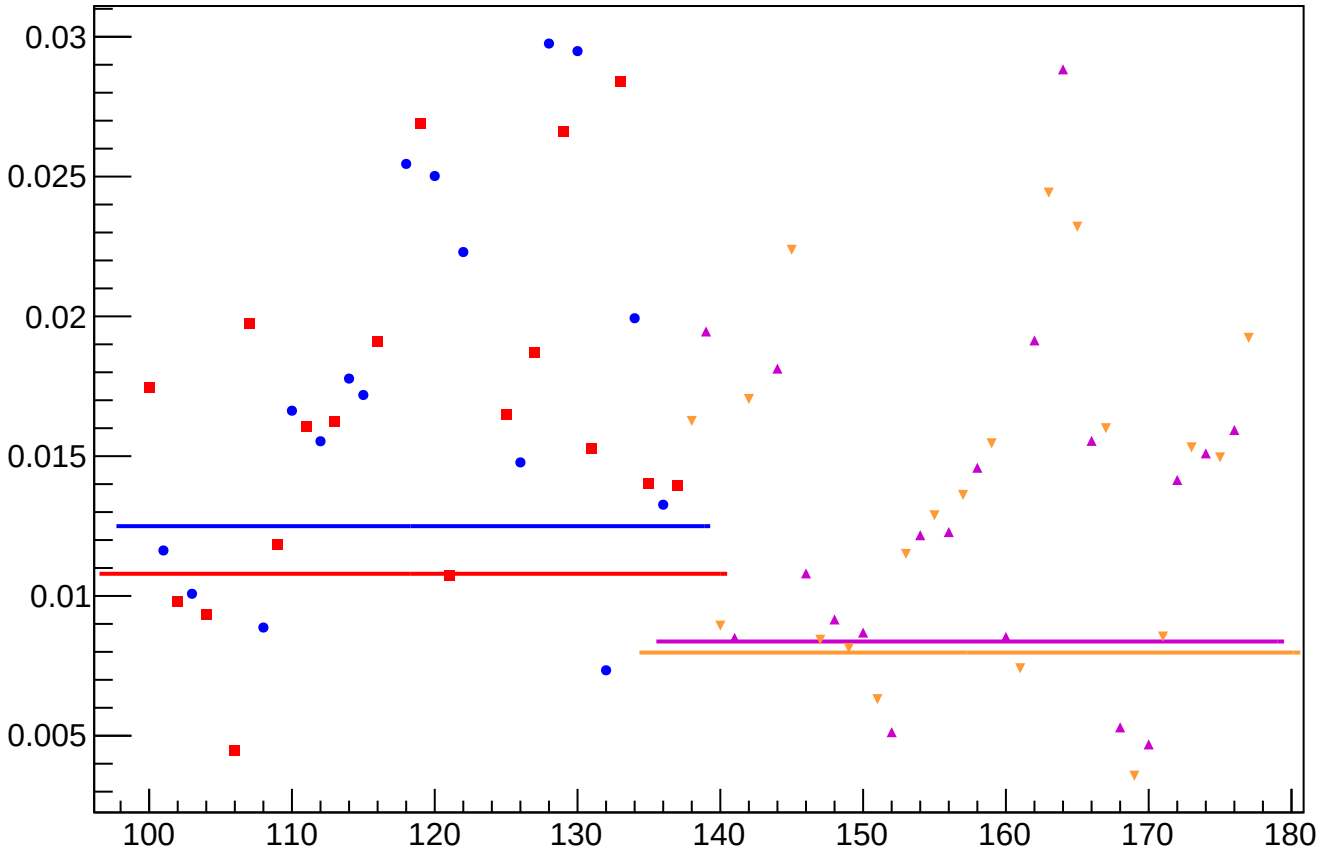
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:11.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/35

All: -0.000+/-0.000 χ^2/NDF: 86.7/72

- sign -0.000+/-0.000 χ^2/NDF: 29.0/36



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7859999.5/19

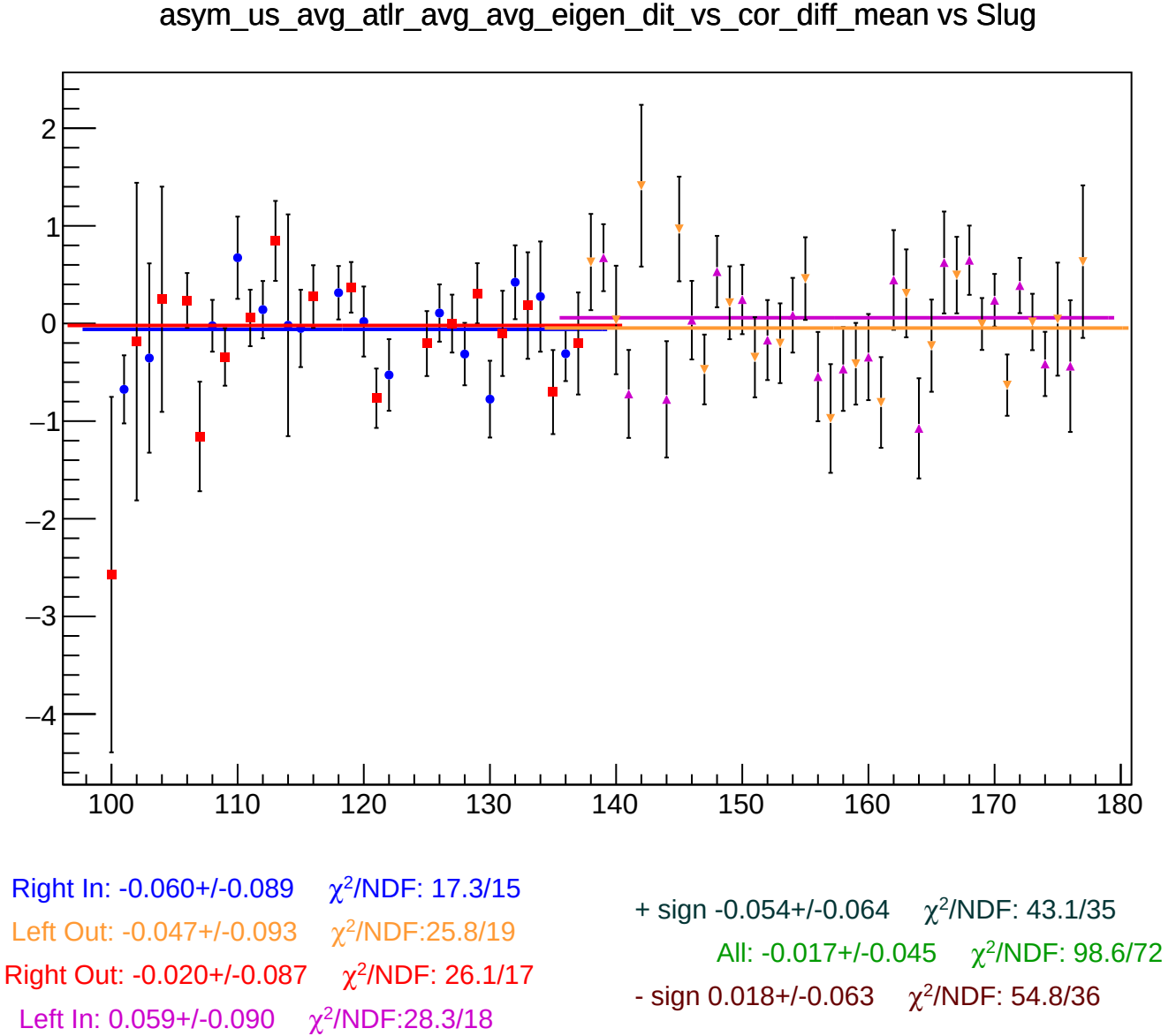
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:5893053.0/18

+ sign 0.009+/-0.000 χ^2/NDF: 11268346.3/35

All: 0.009+/-0.000 χ^2/NDF: 20585207.5/72

- sign 0.009+/-0.000 χ^2/NDF: 9313942.2/36


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
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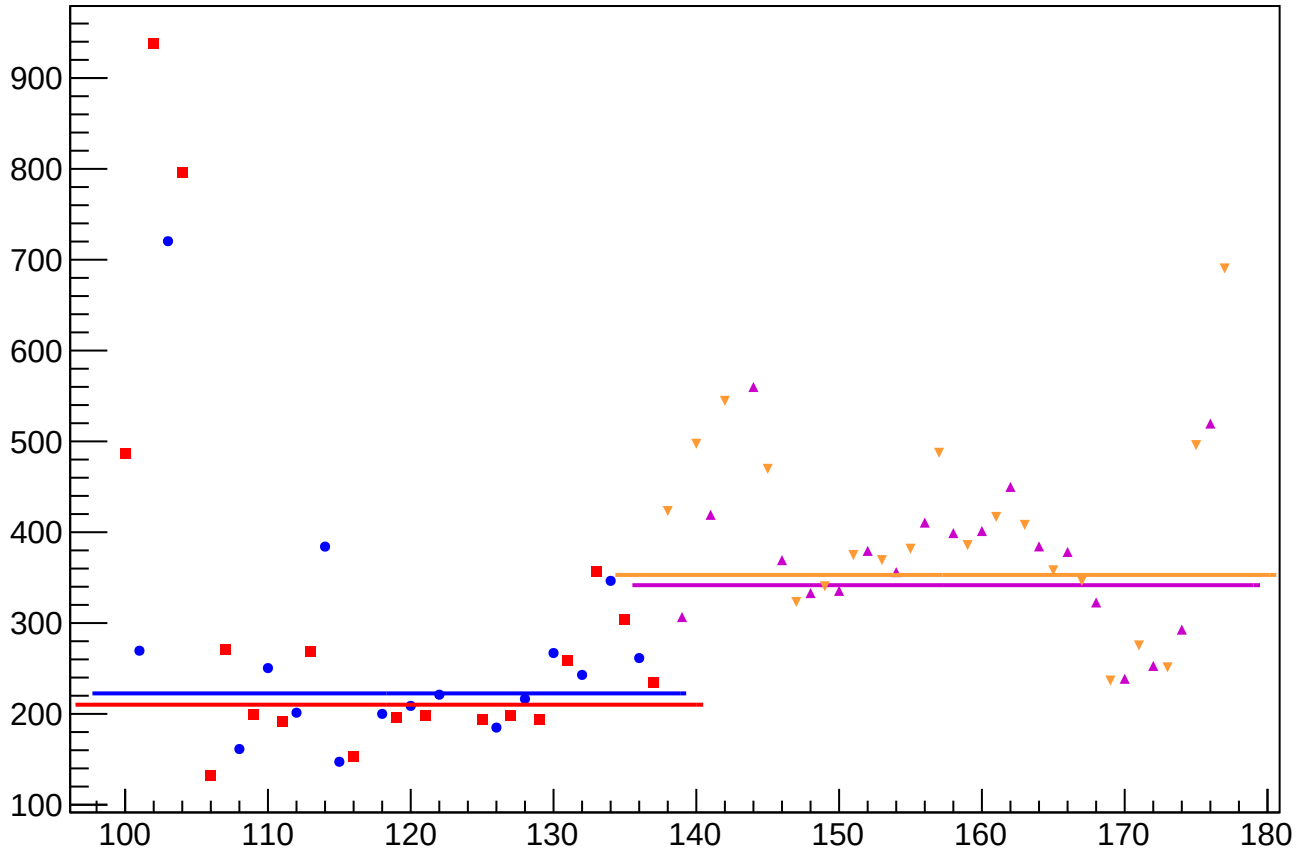
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.047+/-0.093 χ²/NDF:25.8/19
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.059+/-0.090 χ²/NDF:28.3/18
+ sign -0.054+/-0.064 χ²/NDF: 43.1/35
All: -0.017+/-0.045 χ²/NDF: 98.6/72
- sign 0.018+/-0.063 χ²/NDF: 54.8/36



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 352.981+/-0.066 χ^2/NDF:1857930.6/19

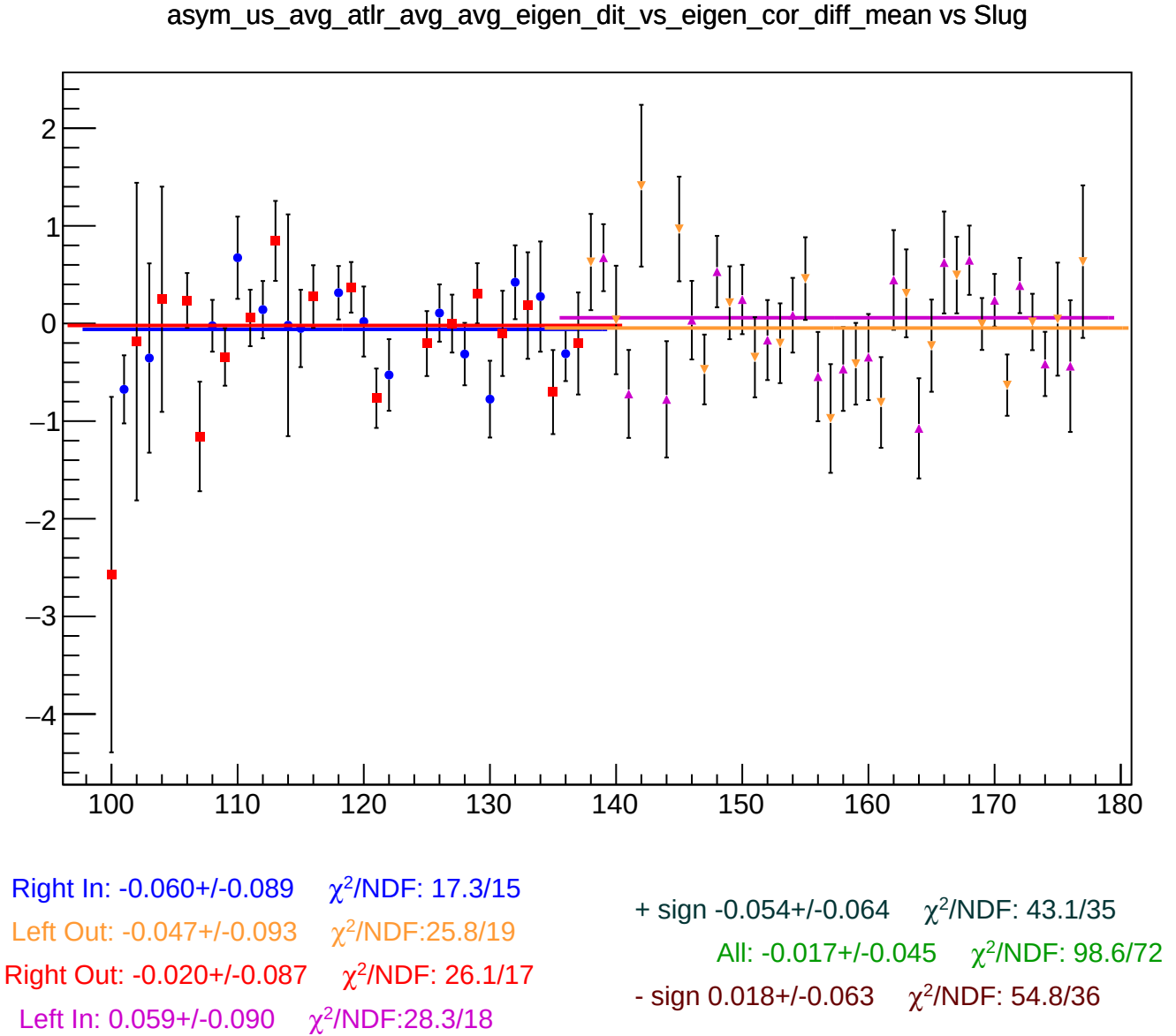
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 341.706+/-0.064 χ^2/NDF:1288262.5/18

+ sign 284.553+/-0.045 χ^2/NDF: 4933639.7/35

All: 279.084+/-0.032 χ^2/NDF: 9993204.2/72

- sign 273.856+/-0.044 χ^2/NDF: 5031188.1/36


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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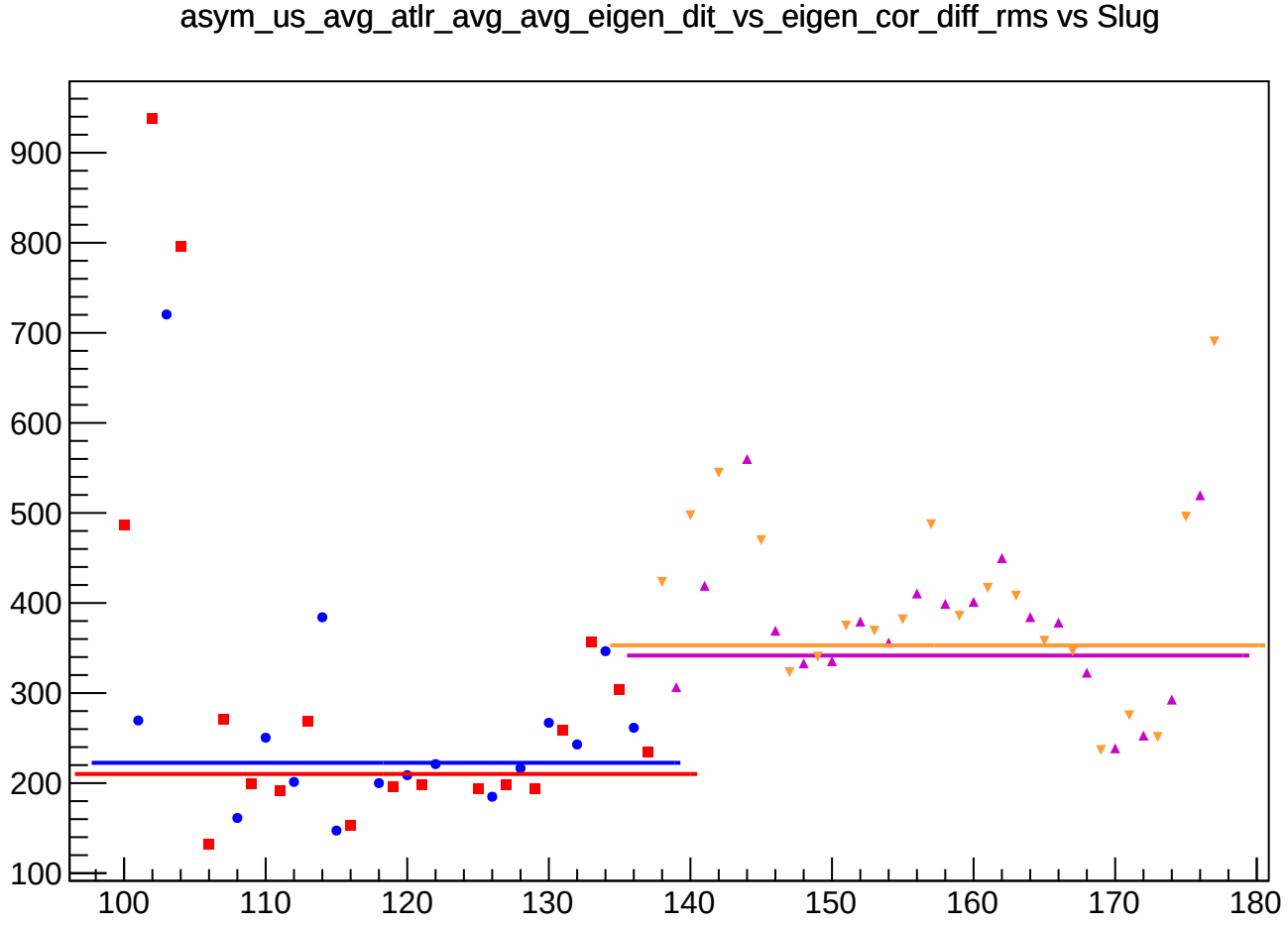
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.047+/-0.093 χ²/NDF:25.8/19
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.059+/-0.090 χ²/NDF:28.3/18
+ sign -0.054+/-0.064 χ²/NDF: 43.1/35
All: -0.017+/-0.045 χ²/NDF: 98.6/72
- sign 0.018+/-0.063 χ²/NDF: 54.8/36



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 352.981+/-0.066 χ^2/NDF:1857930.6/19

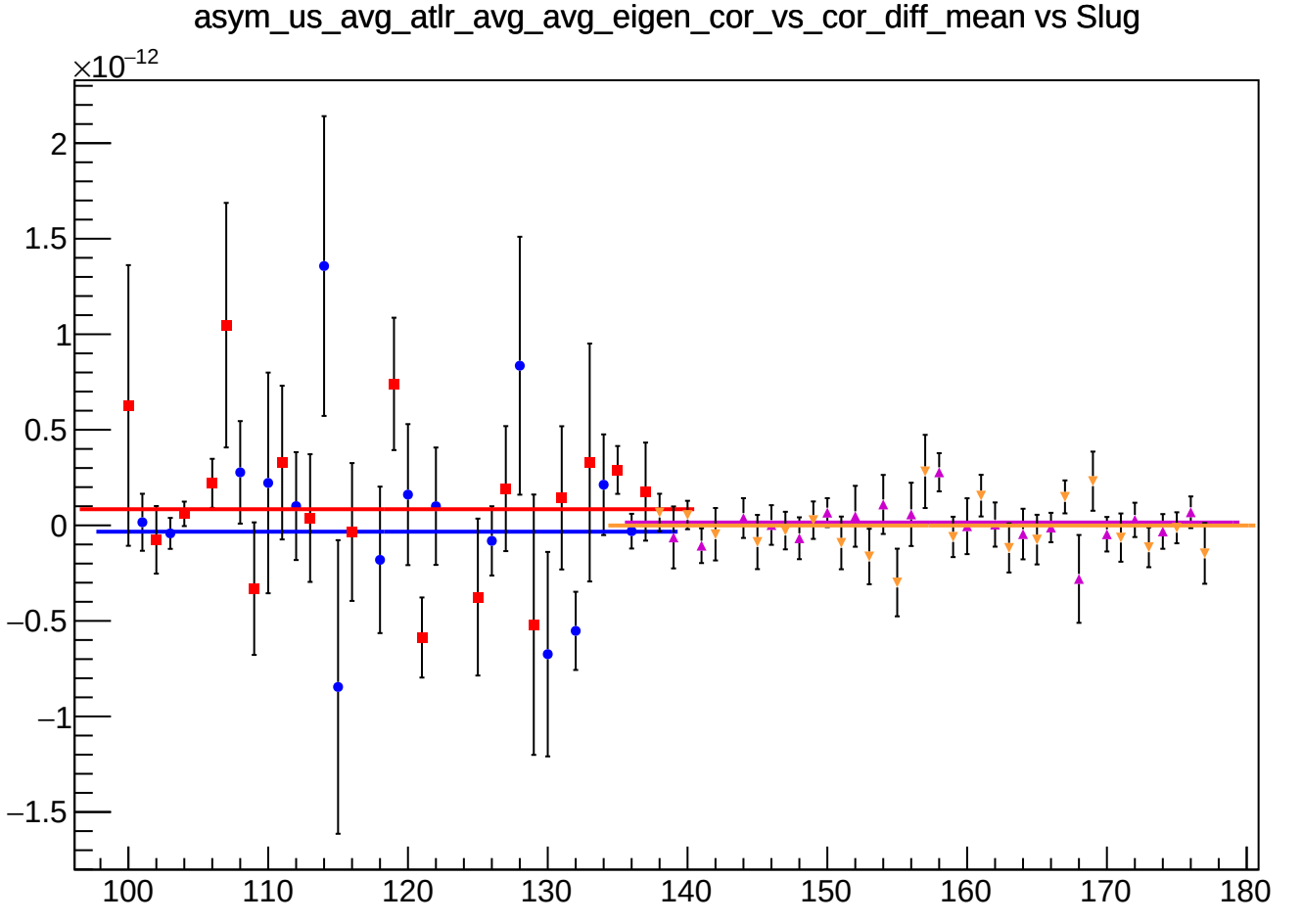
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 341.706+/-0.064 χ^2/NDF:1288262.5/18

+ sign 284.553+/-0.045 χ^2/NDF: 4933639.7/35

All: 279.084+/-0.032 χ^2/NDF: 9993204.2/72

- sign 273.856+/-0.044 χ^2/NDF: 5031188.1/36



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/19

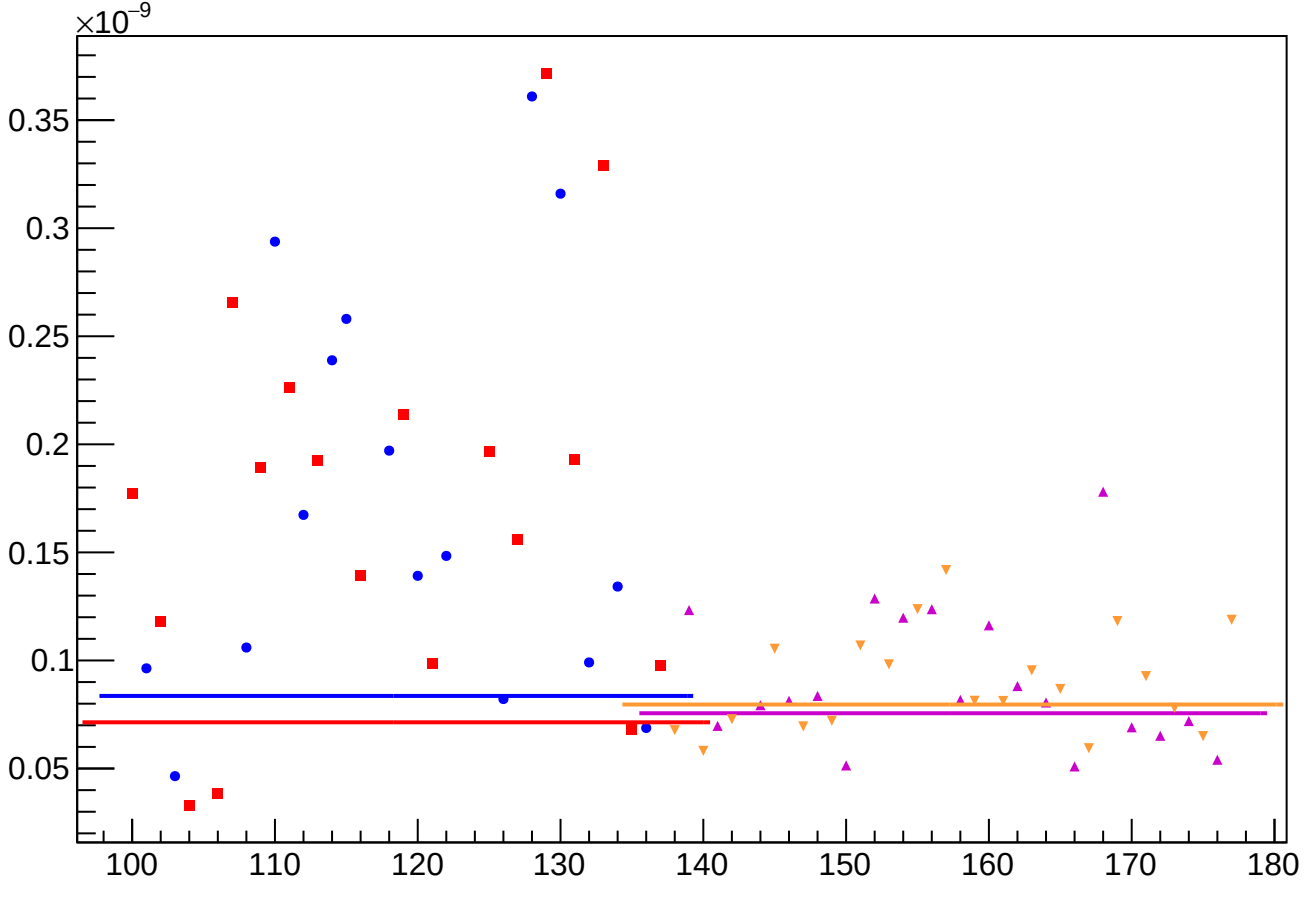
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/35

All: 0.000+/-0.000 χ^2/NDF: 80.0/72

- sign 0.000+/-0.000 χ^2/NDF: 41.4/36



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1226625.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

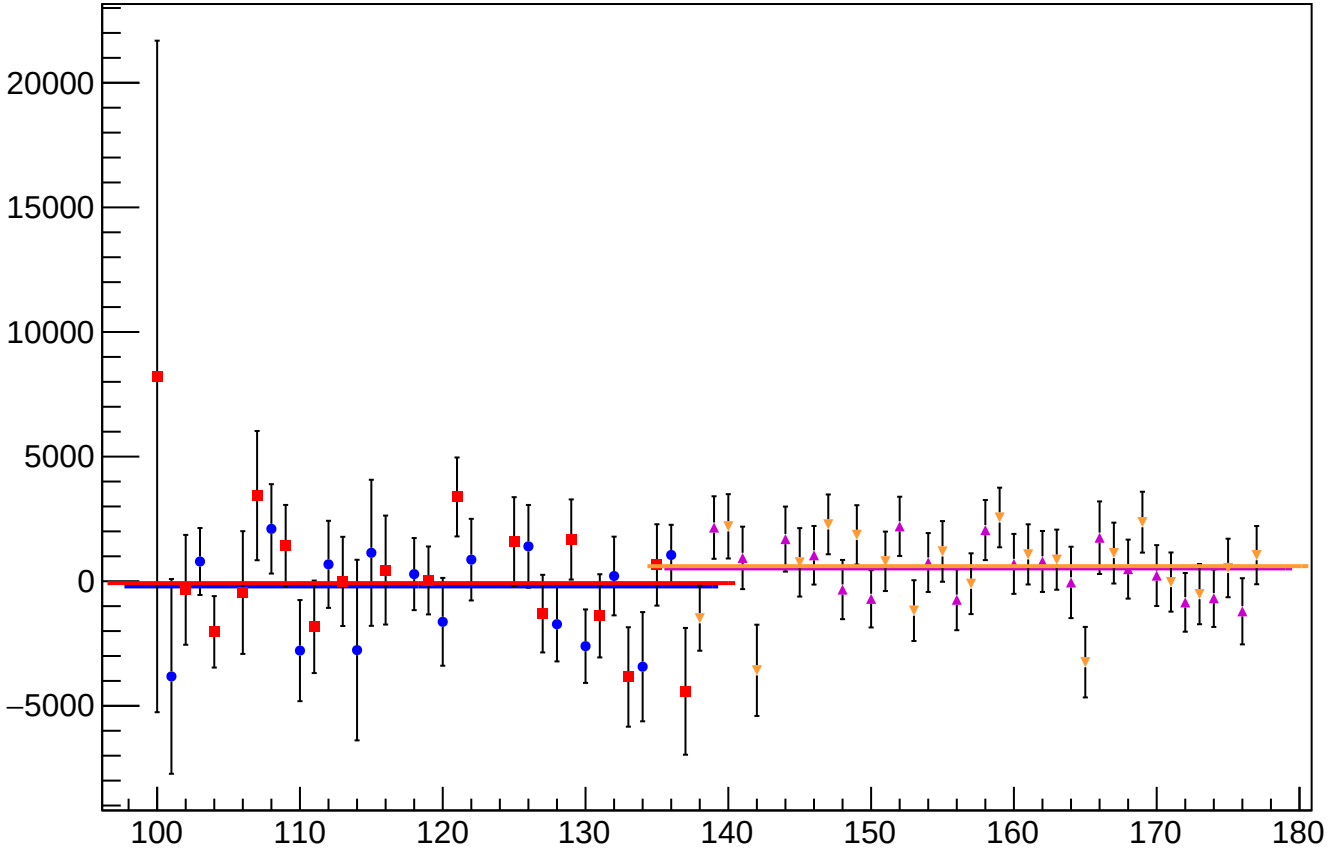
Left In: 0.000+/-0.000 χ^2/NDF:1927381.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 3473133.2/35

All: 0.000+/-0.000 χ^2/NDF: 9232723.3/72

- sign 0.000+/-0.000 χ^2/NDF: 5686370.0/36

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 604.791+/-278.341 χ^2/NDF:29.0/19

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

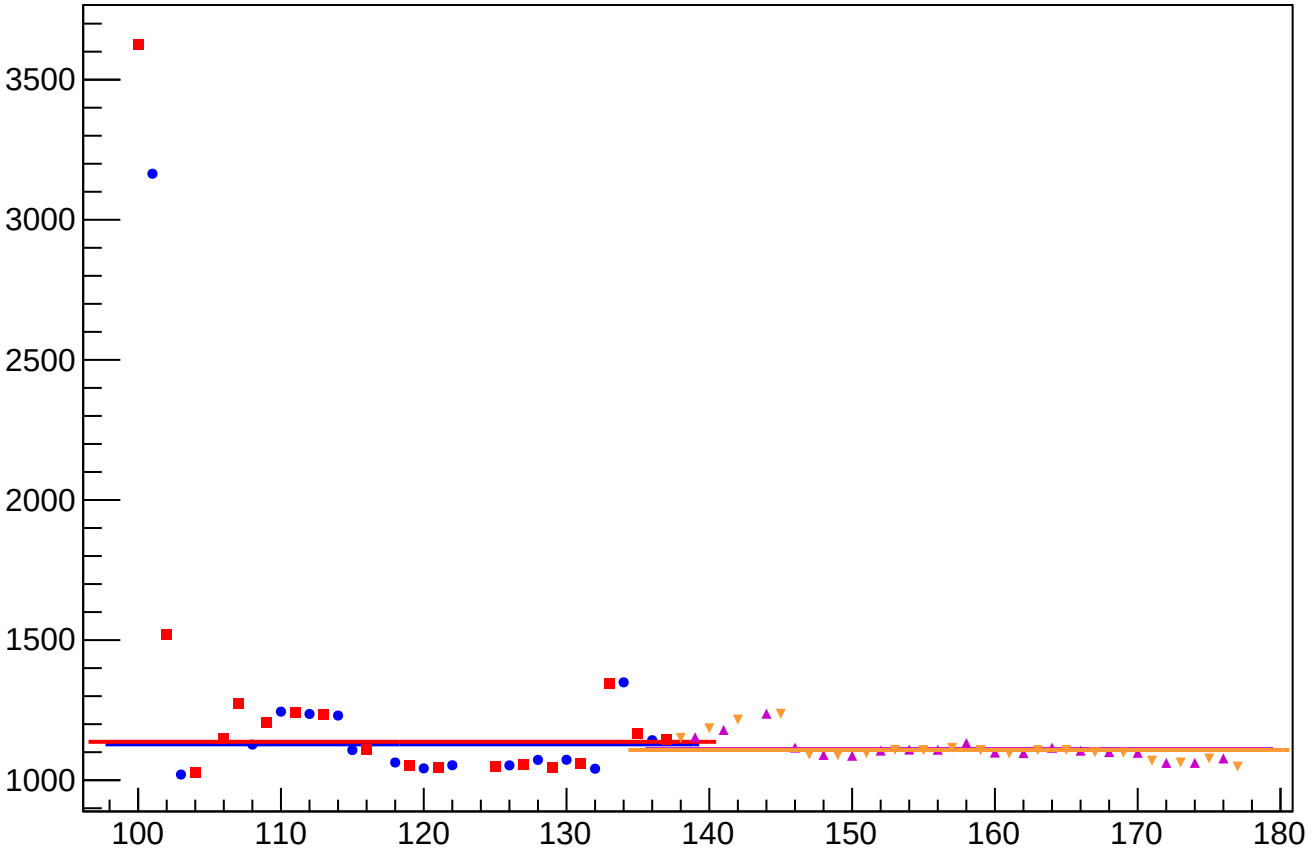
Left In: 513.674+/-281.992 χ^2/NDF:14.3/18

+ sign 364.023+/-233.525 χ^2/NDF: 46.3/35

All: 350.597+/-165.972 χ^2/NDF: 82.6/72

- sign 336.893+/-235.933 χ^2/NDF: 36.3/36

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1107.801+/-0.197 χ^2/NDF:46923.9/19

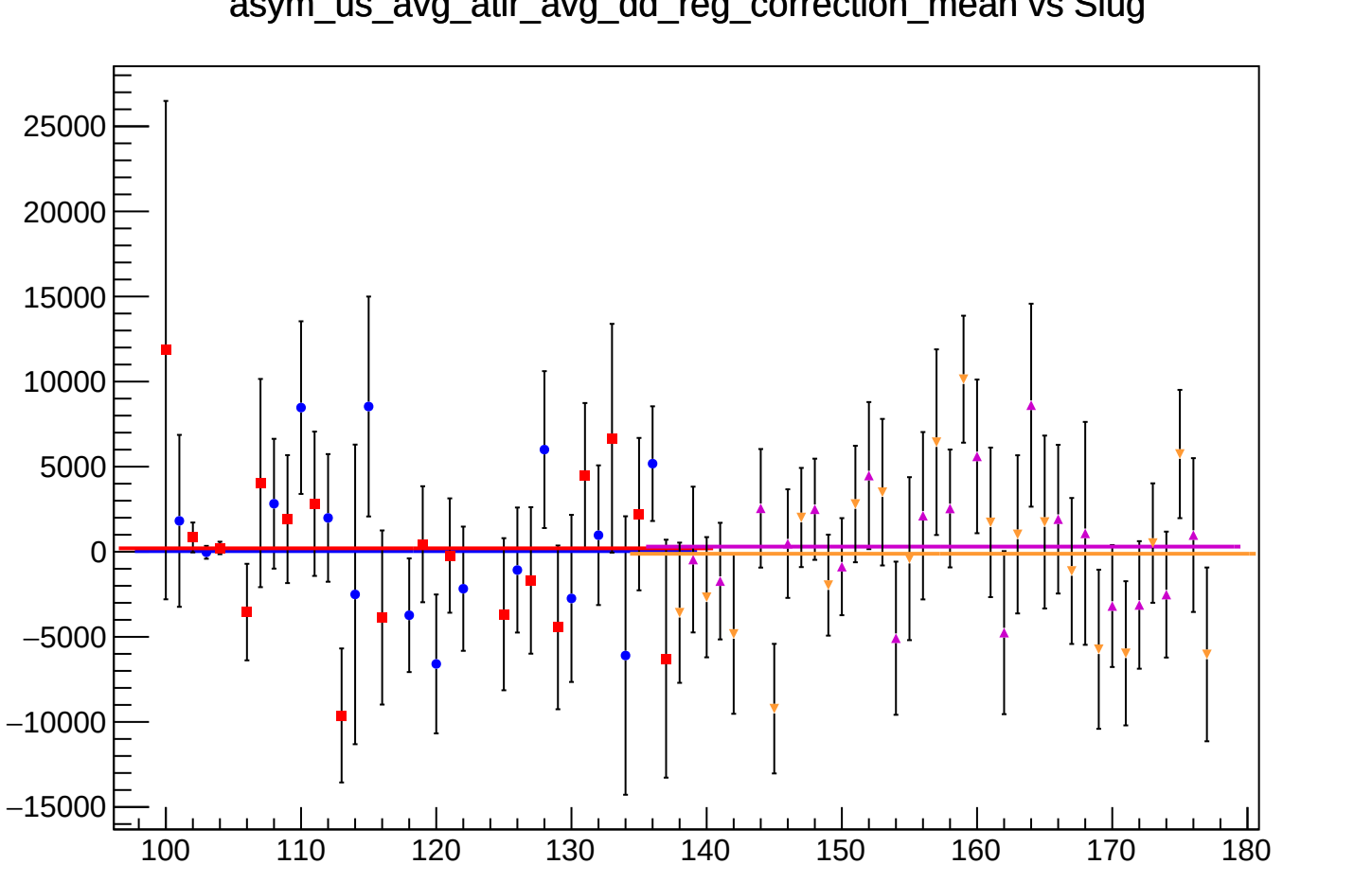
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

\+ sign 1113.784+/-0.165 χ^2/NDF: 671439.4/35

All: 1116.265+/-0.117 χ^2/NDF: 935610.9/72

\- sign 1118.794+/-0.167 χ^2/NDF: 263715.7/36



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -117.428+/-892.350 χ^2/NDF:26.9/19

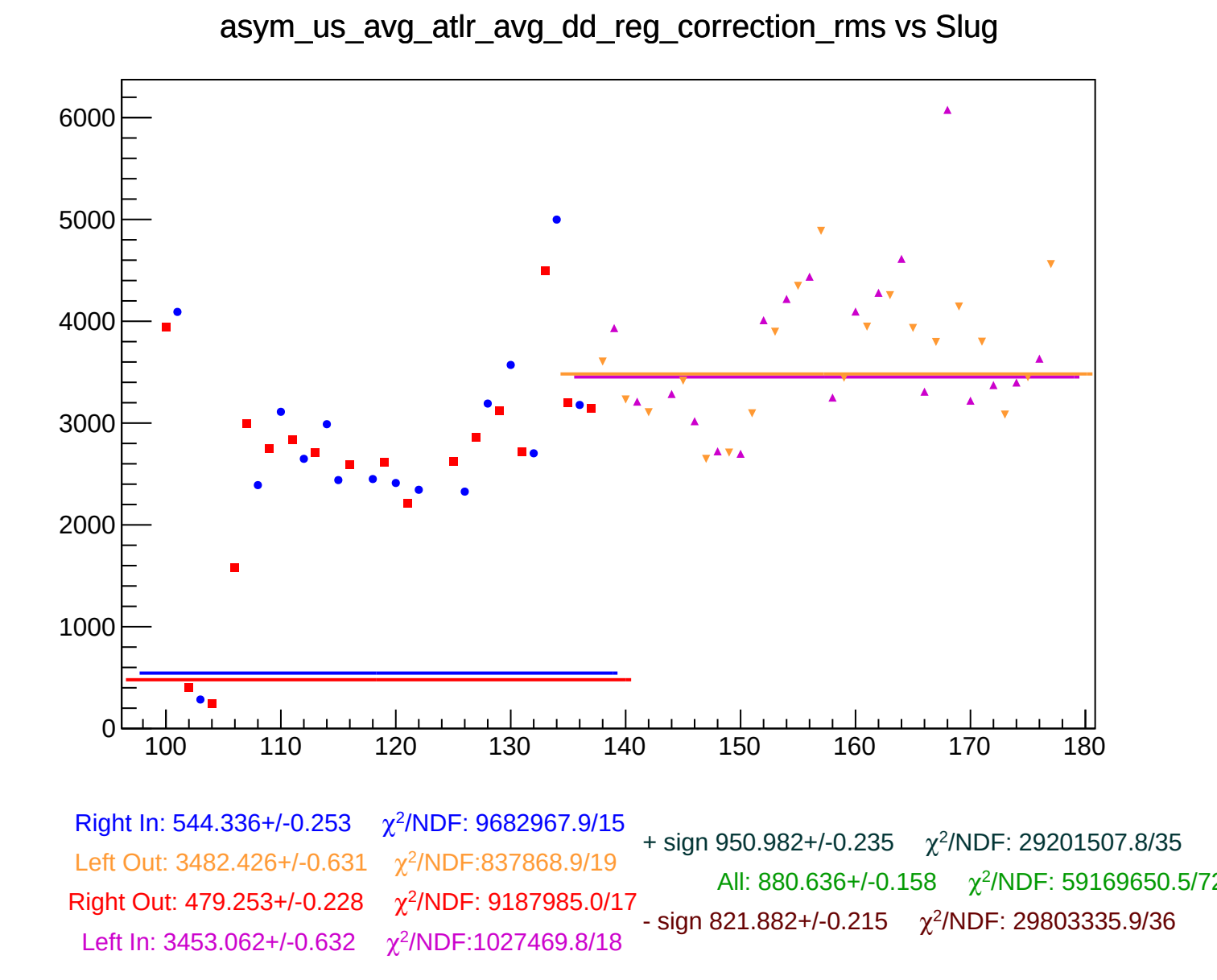
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 302.206+/-893.826 χ^2/NDF:11.4/18

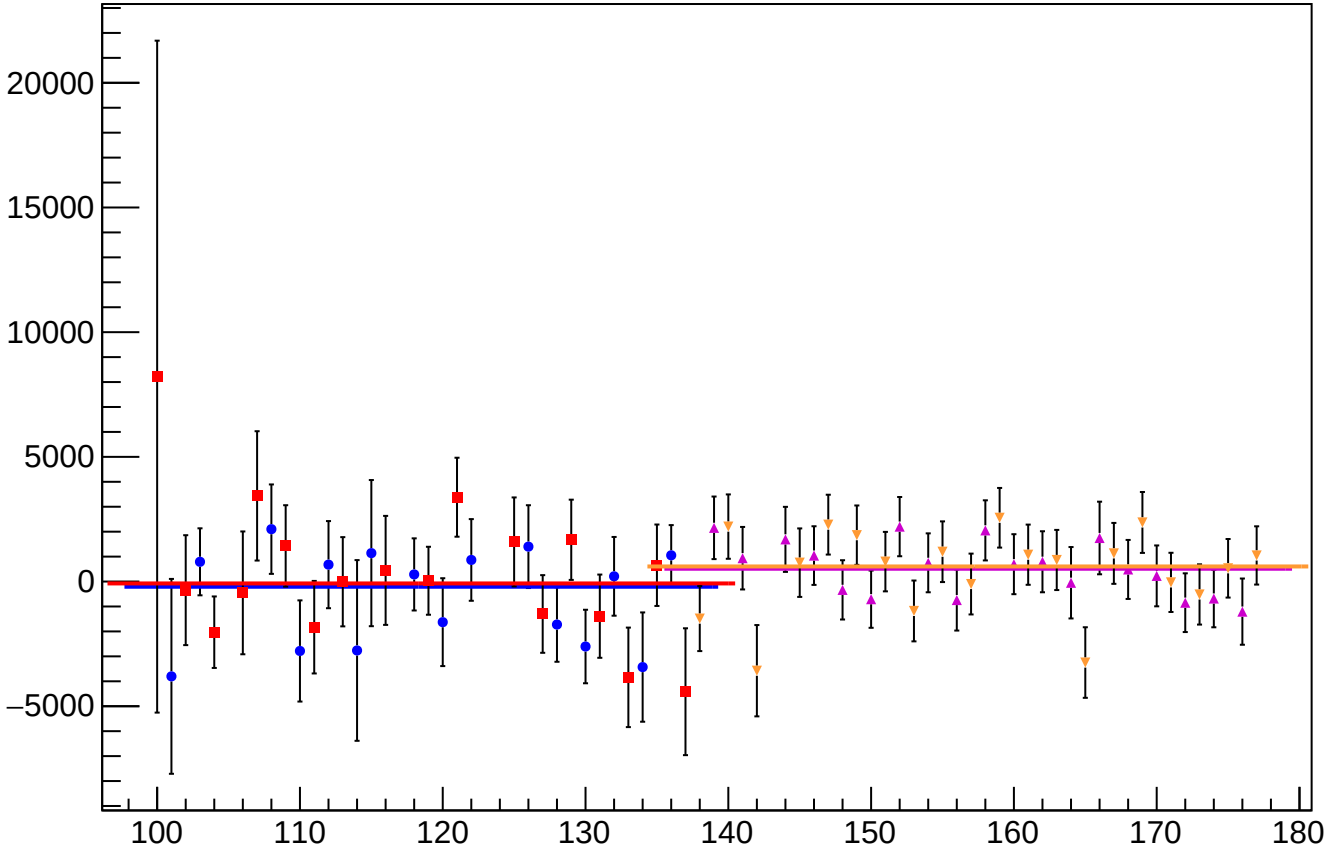
+ sign 16.747+/-331.980 χ^2/NDF: 41.8/35

All: 123.809+/-223.958 χ^2/NDF: 69.0/72

- sign 213.228+/-303.395 χ^2/NDF: 27.1/36


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: 3482.426+/-0.631 χ²/NDF:837868.9/19
Right Out: 479.253+/-0.228 χ²/NDF: 9187985.0/17
Left In: 3453.062+/-0.632 χ²/NDF:1027469.8/18
+ sign 950.982+/-0.235 χ²/NDF: 29201507.8/35
All: 880.636+/-0.158 χ²/NDF: 59169650.5/72
- sign 821.882+/-0.215 χ²/NDF: 29803335.9/36

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 604.856+/-278.341 χ^2/NDF:29.0/19

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

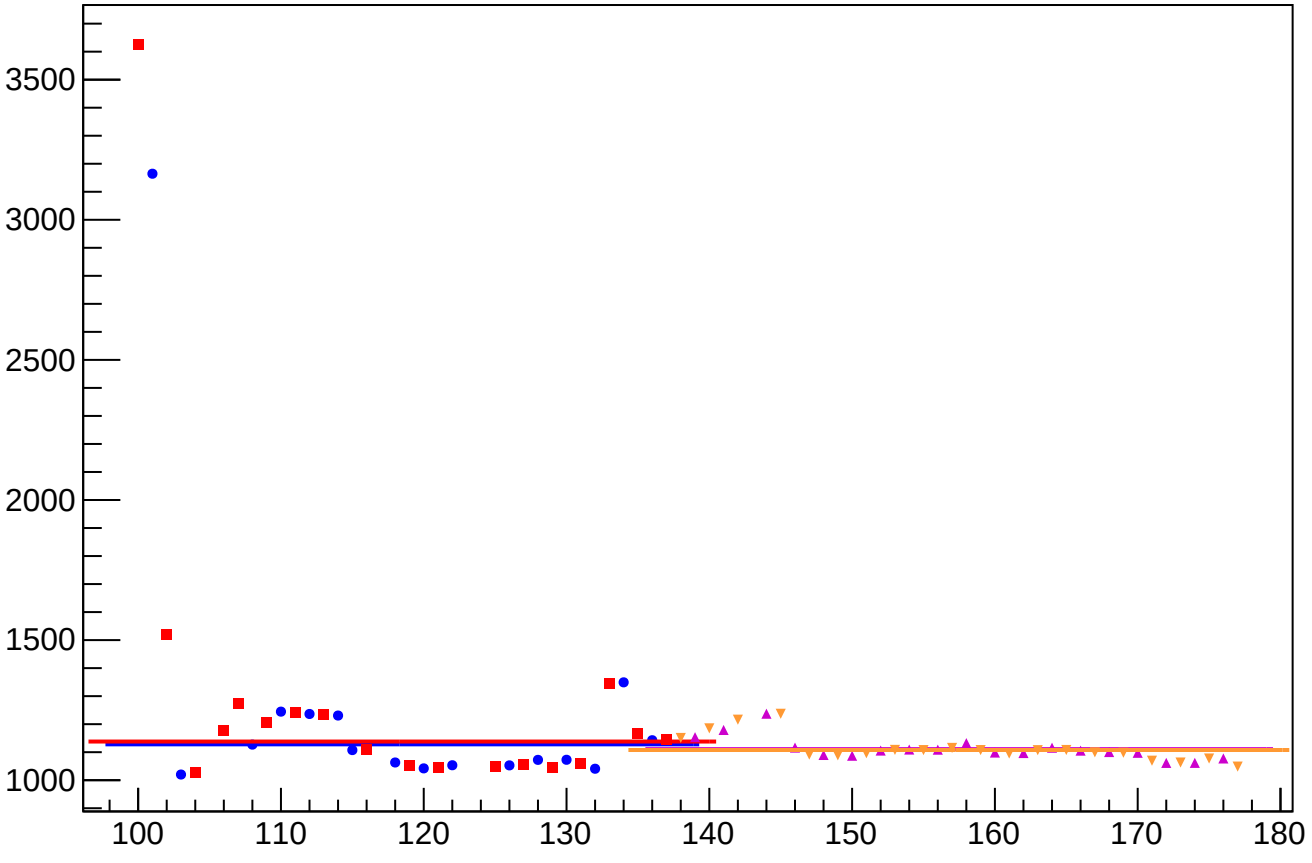
Left In: 513.666+/-281.992 χ^2/NDF:14.3/18

\+ sign 364.137+/-233.525 χ^2/NDF: 46.3/35

All: 350.630+/-165.972 χ^2/NDF: 82.6/72

\- sign 336.844+/-235.933 χ^2/NDF: 36.3/36

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1107.801+/-0.197 χ^2/NDF:46923.9/19

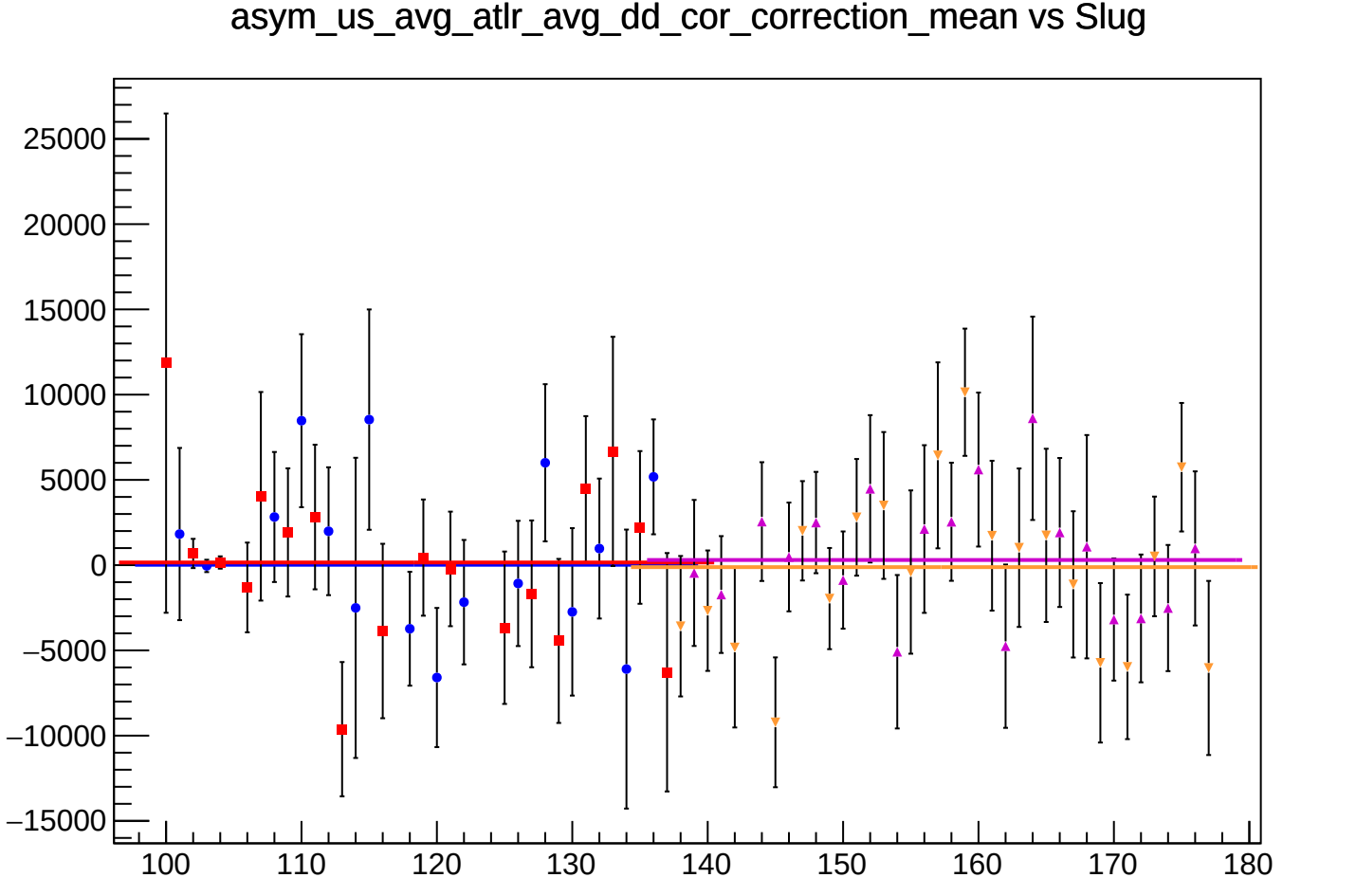
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

+ sign 1113.784+/-0.165 χ^2/NDF: 671440.4/35

All: 1116.399+/-0.117 χ^2/NDF: 936576.8/72

- sign 1119.068+/-0.167 χ^2/NDF: 264629.6/36



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -117.383+/-892.351 χ^2/NDF:26.9/19

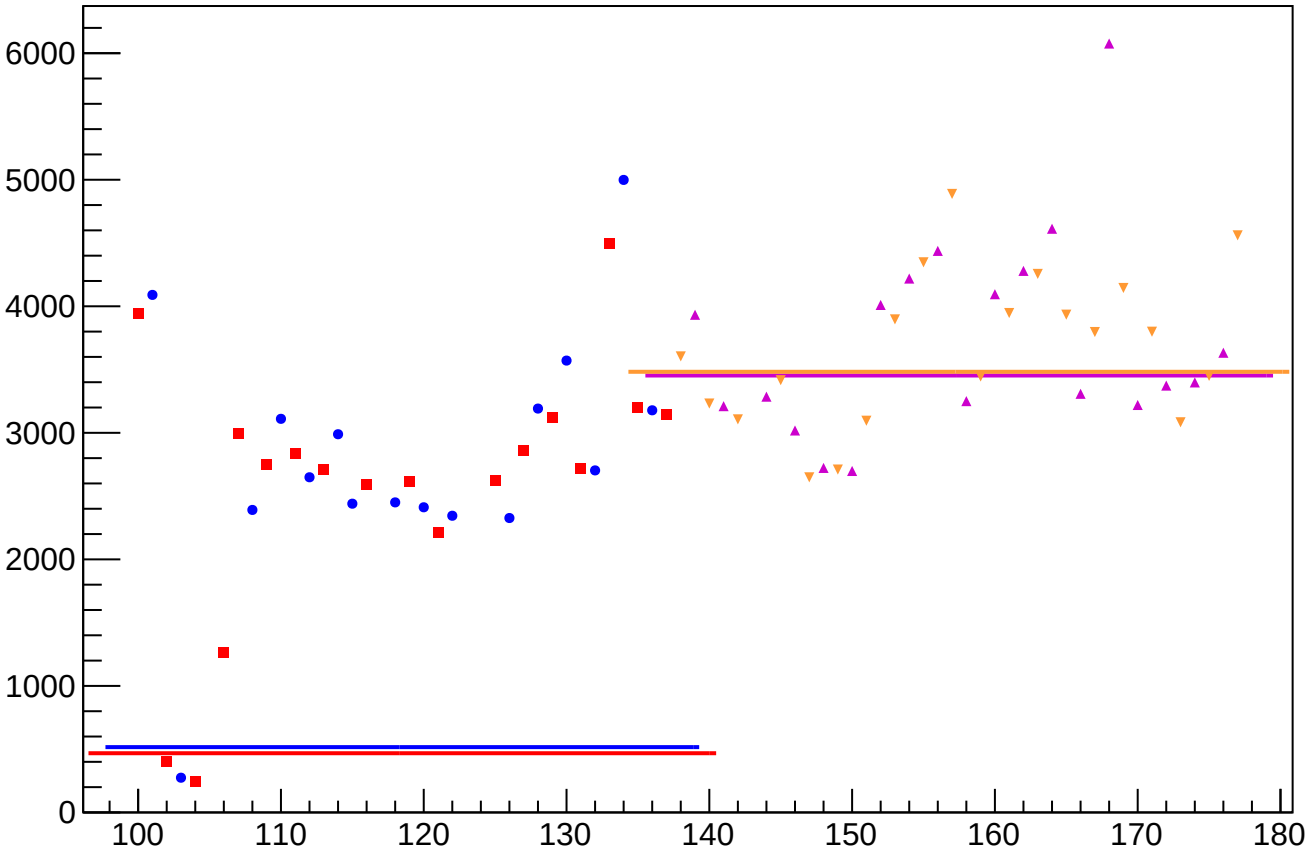
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 302.235+/-893.826 χ^2/NDF:11.4/18

+ sign 3.610+/-321.402 χ^2/NDF: 41.8/35

All: 94.166+/-218.946 χ^2/NDF: 67.3/72

- sign 172.577+/-299.074 χ^2/NDF: 25.4/36



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3482.426+/-0.631 χ^2/NDF:837873.7/19

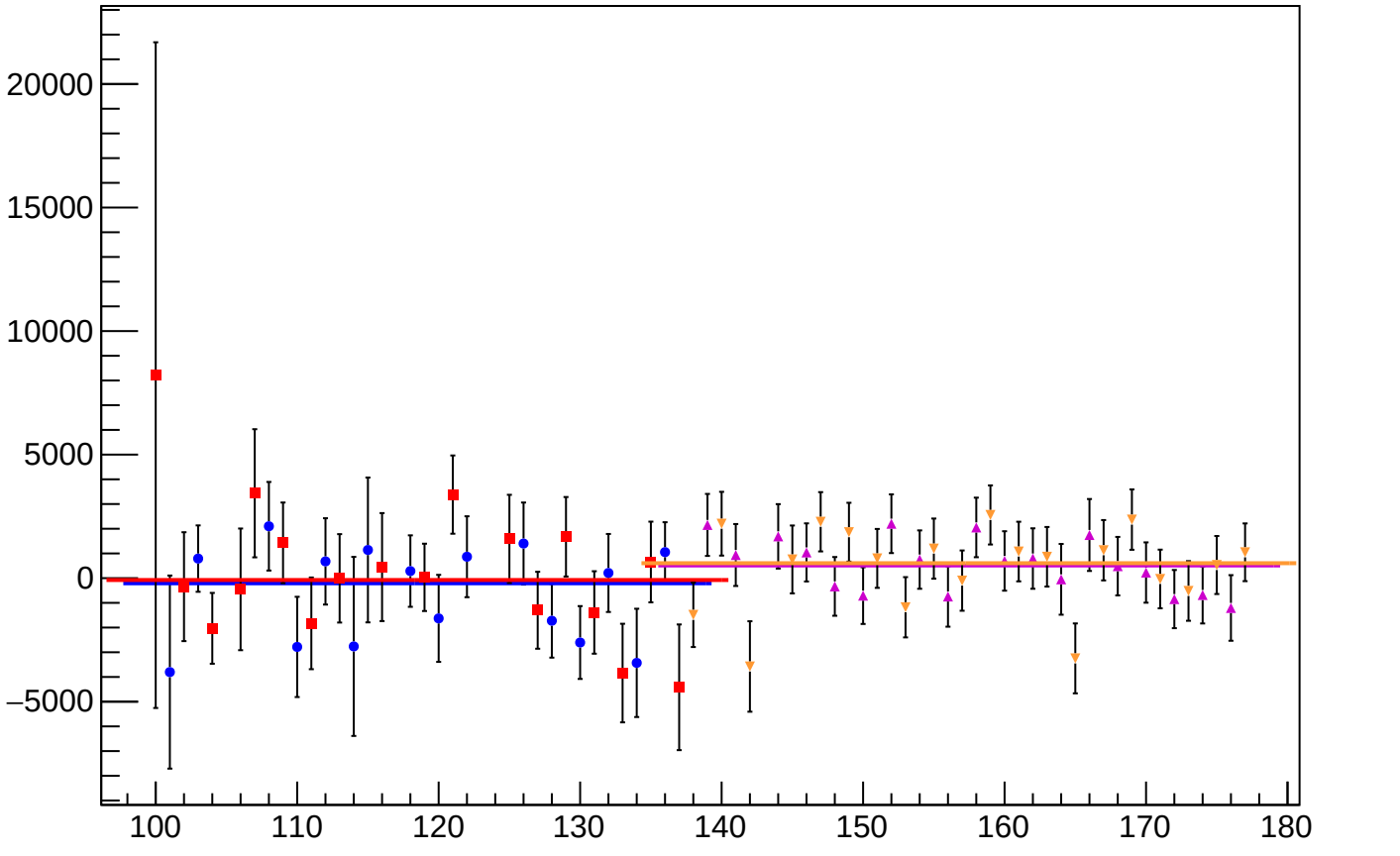
Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3453.061+/-0.632 χ^2/NDF:1027475.7/18

+ sign 901.081+/-0.227 χ^2/NDF: 29903246.0/35

All: 848.115+/-0.155 χ^2/NDF: 59951578.2/72

- sign 802.252+/-0.211 χ^2/NDF: 29946983.6/36



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 604.856+/-278.341 χ^2/NDF:29.0/19

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

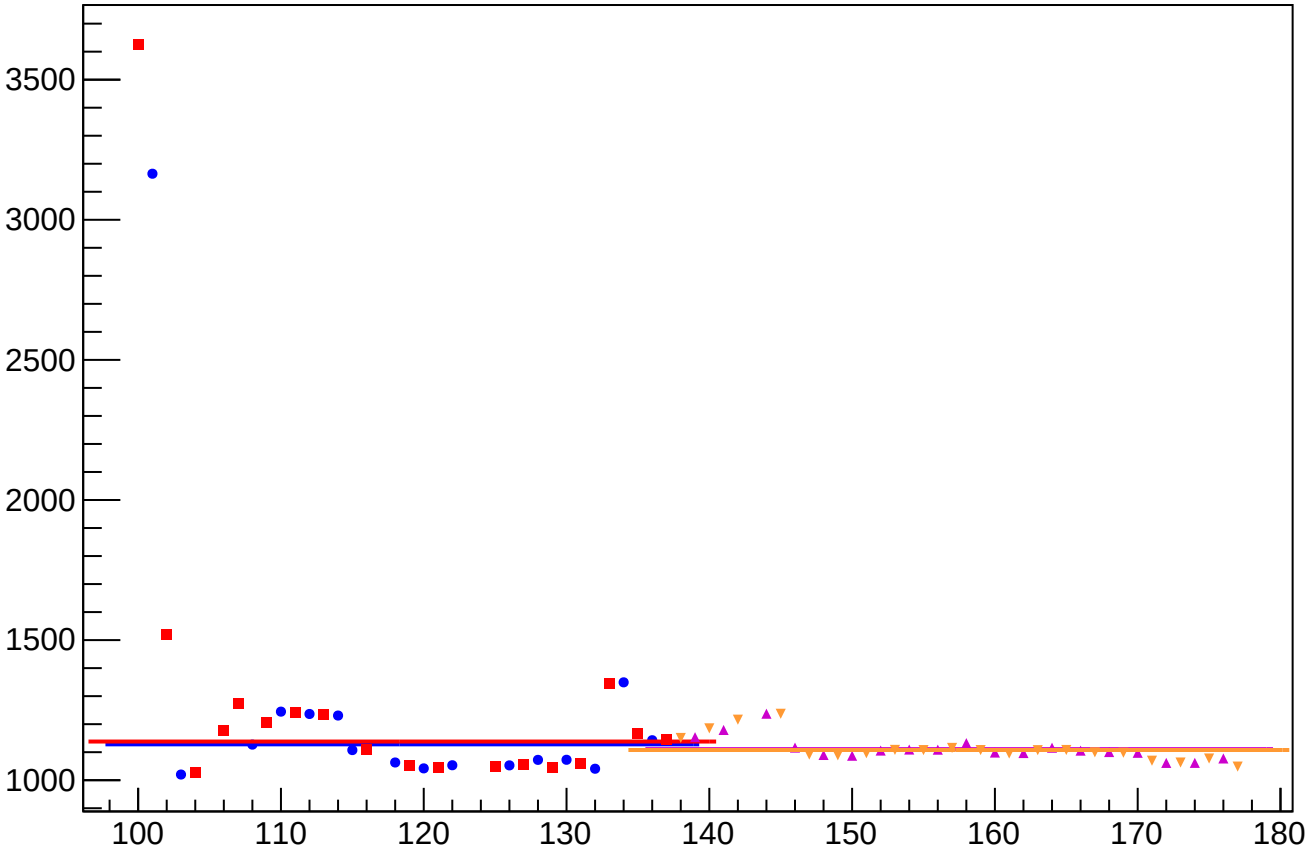
Left In: 513.666+/-281.992 χ^2/NDF:14.3/18

+ sign 364.137+/-233.525 χ^2/NDF: 46.3/35

All: 350.630+/-165.972 χ^2/NDF: 82.6/72

- sign 336.844+/-235.933 χ^2/NDF: 36.3/36

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: 1107.801+/-0.197 χ^2/NDF:46923.9/19

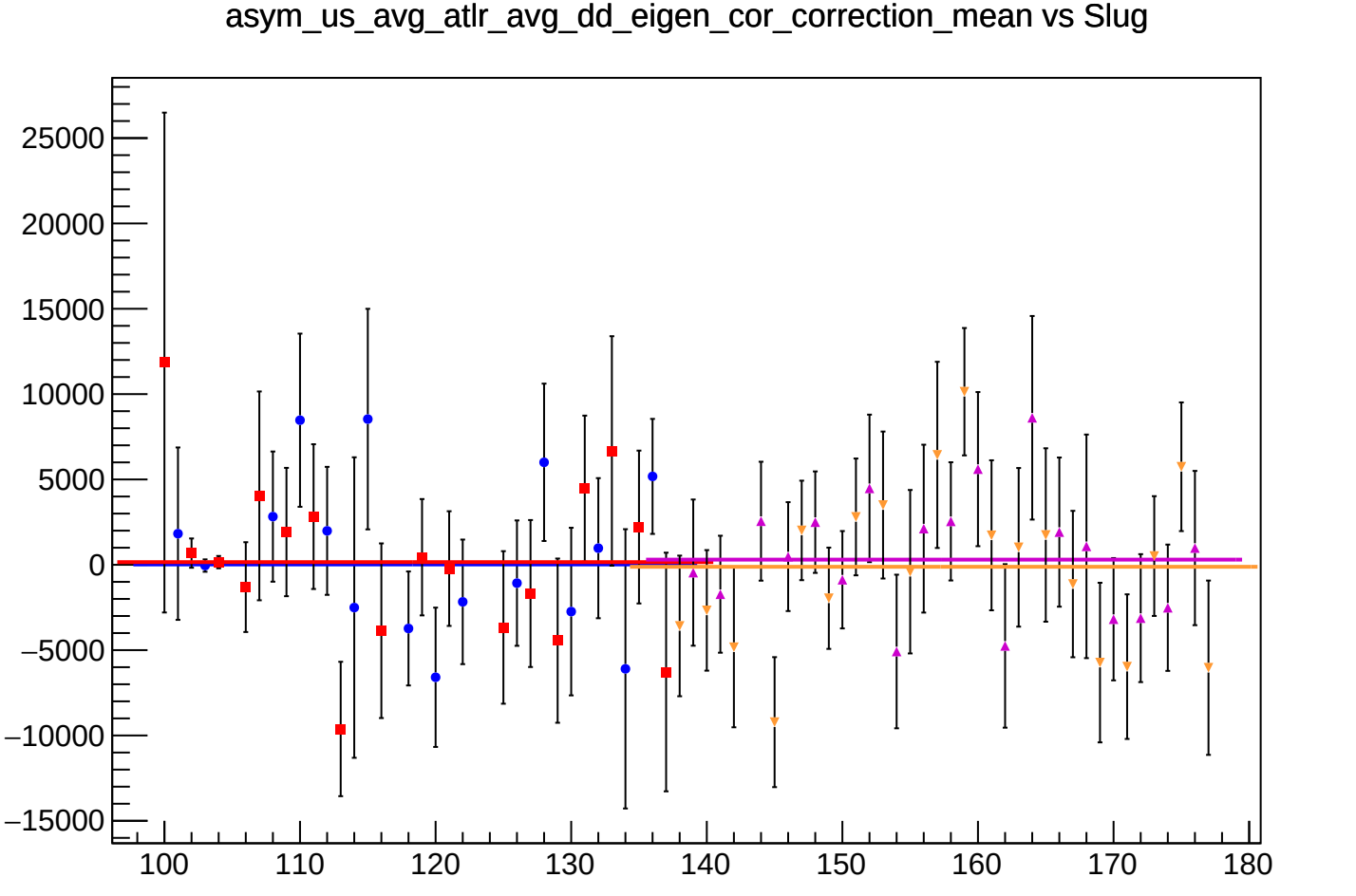
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

+ sign 1113.784+/-0.165 χ^2/NDF: 671440.4/35

All: 1116.399+/-0.117 χ^2/NDF: 936576.8/72

- sign 1119.068+/-0.167 χ^2/NDF: 264629.6/36



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -117.383+/-892.351 χ^2/NDF:26.9/19

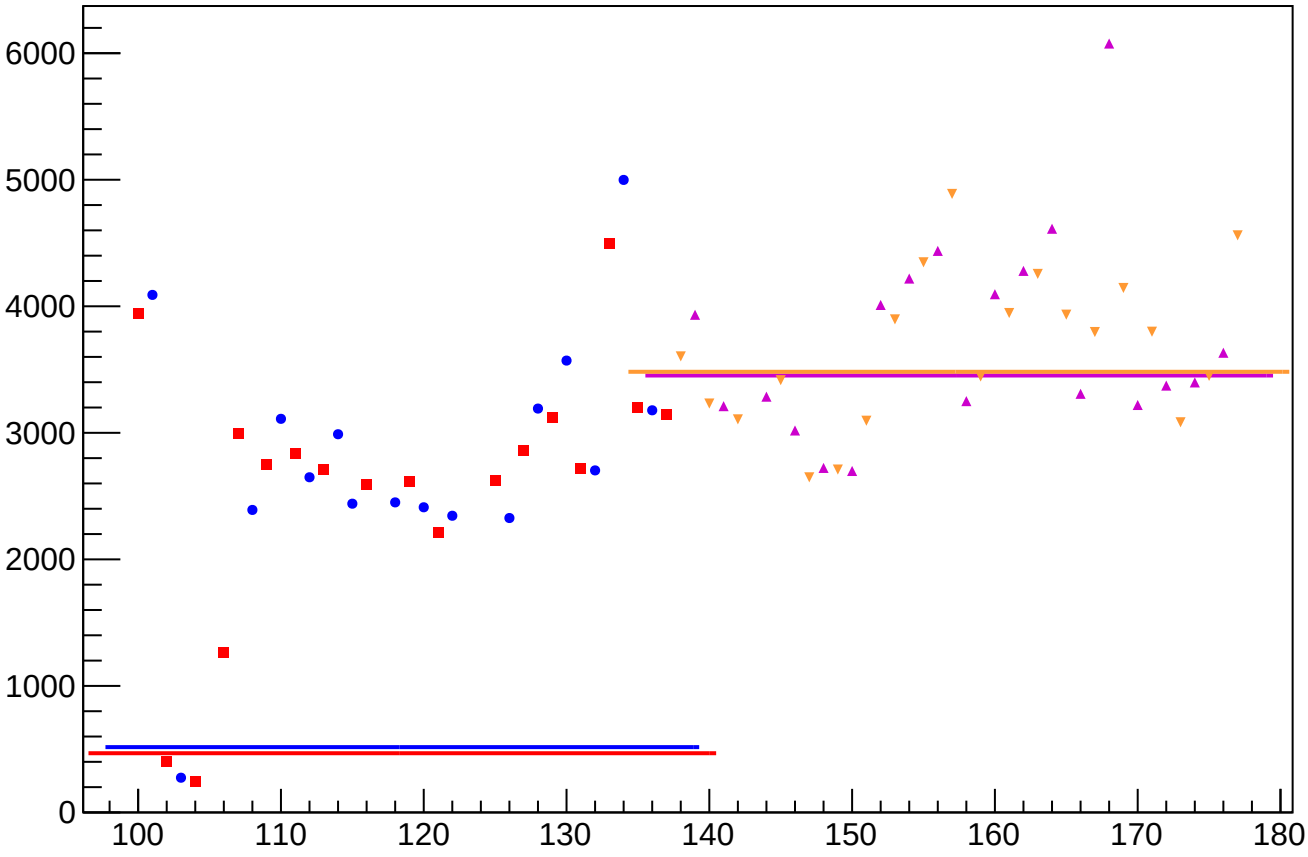
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 302.235+/-893.826 χ^2/NDF:11.4/18

+ sign 3.610+/-321.402 χ^2/NDF: 41.8/35

All: 94.166+/-218.946 χ^2/NDF: 67.3/72

- sign 172.577+/-299.074 χ^2/NDF: 25.4/36



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3482.426+/-0.631 χ^2/NDF:837873.7/19

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

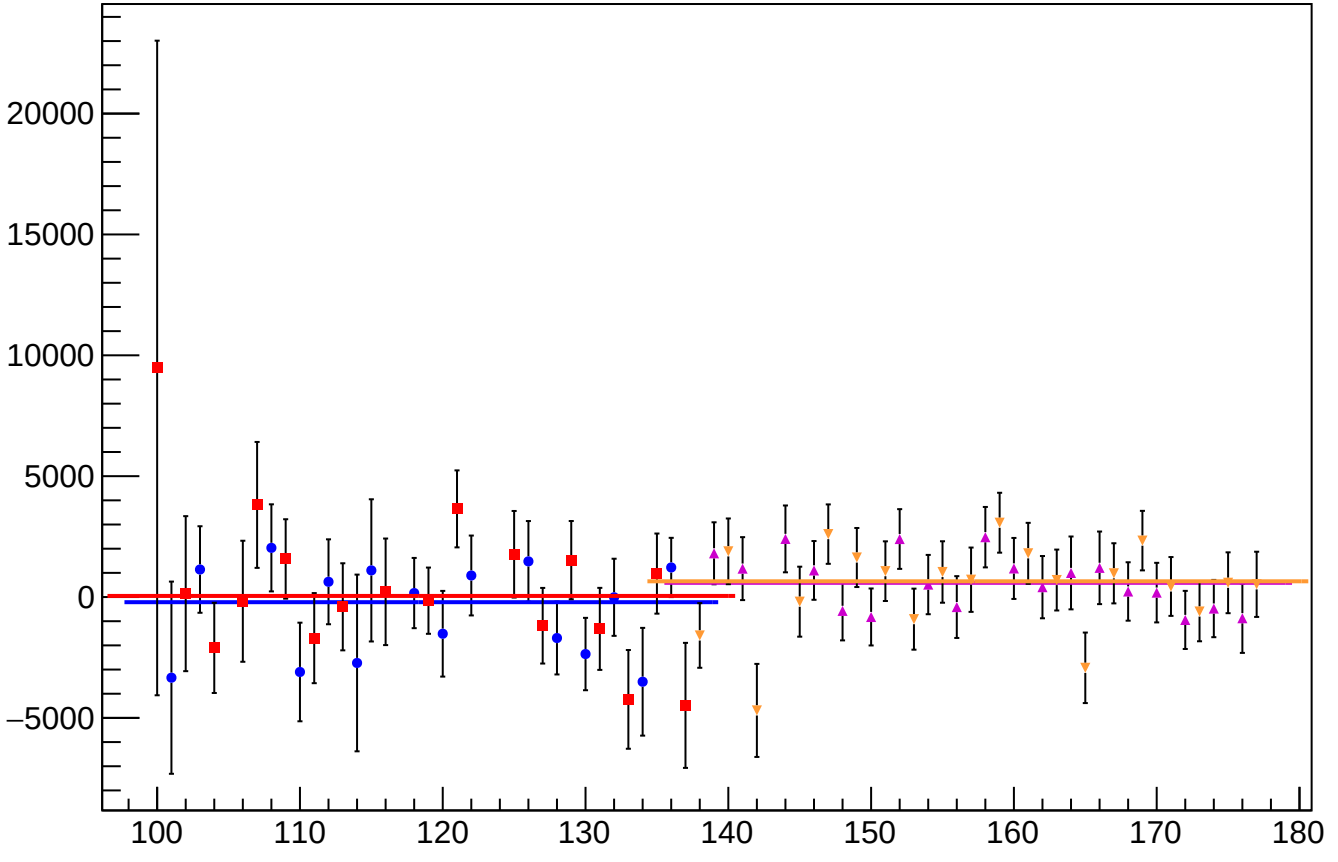
Left In: 3453.061+/-0.632 χ^2/NDF:1027475.7/18

+ sign 901.081+/-0.227 χ^2/NDF: 29903246.0/35

All: 848.115+/-0.155 χ^2/NDF: 59951578.2/72

- sign 802.252+/-0.211 χ^2/NDF: 29946983.6/36

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 651.037+/-290.492 χ^2/NDF:30.3/19

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

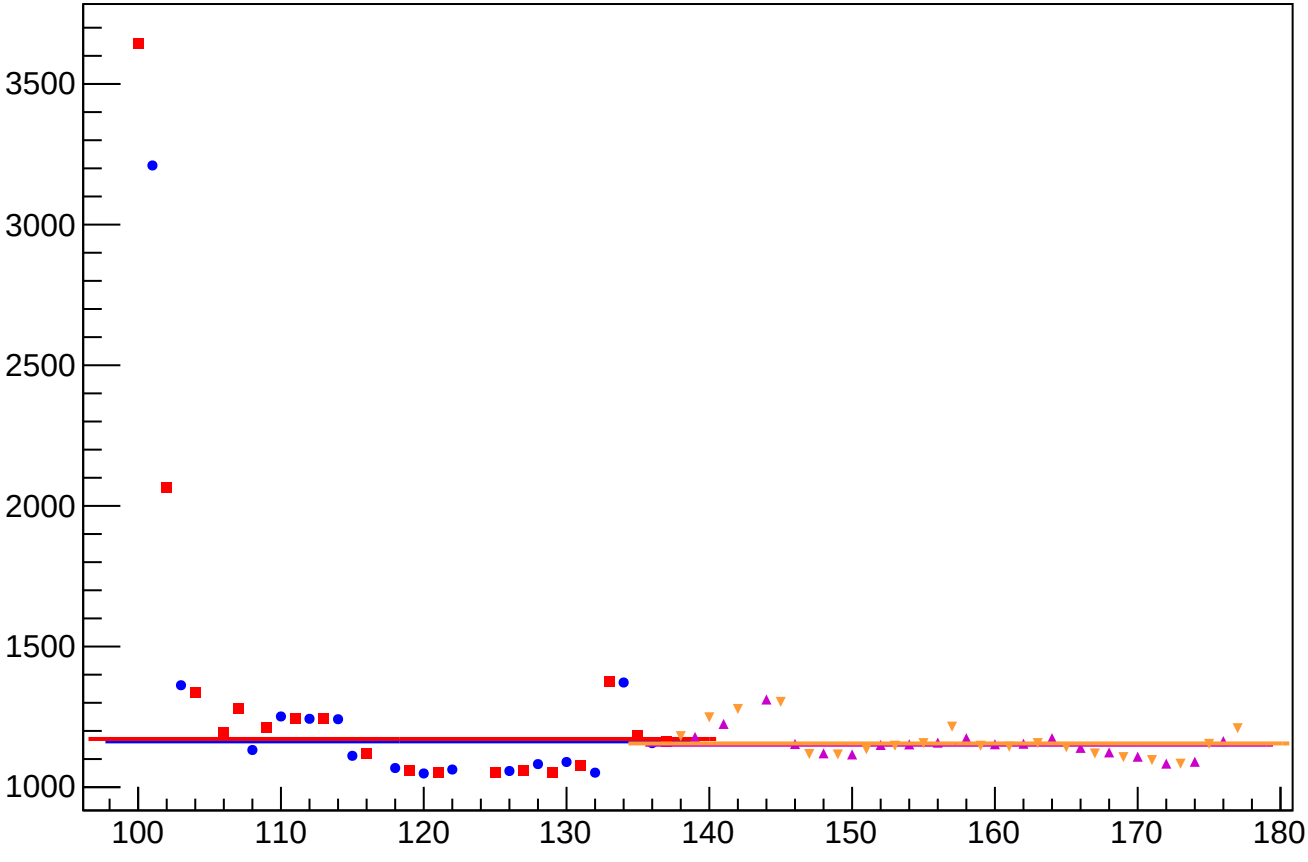
Left In: 588.408+/-292.245 χ^2/NDF:14.6/18

+ sign 390.942+/-242.870 χ^2/NDF: 47.3/35

All: 408.323+/-172.358 χ^2/NDF: 84.6/72

- sign 425.959+/-244.642 χ^2/NDF: 37.3/36

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1155.519+/-0.205 χ^2/NDF:67591.1/19

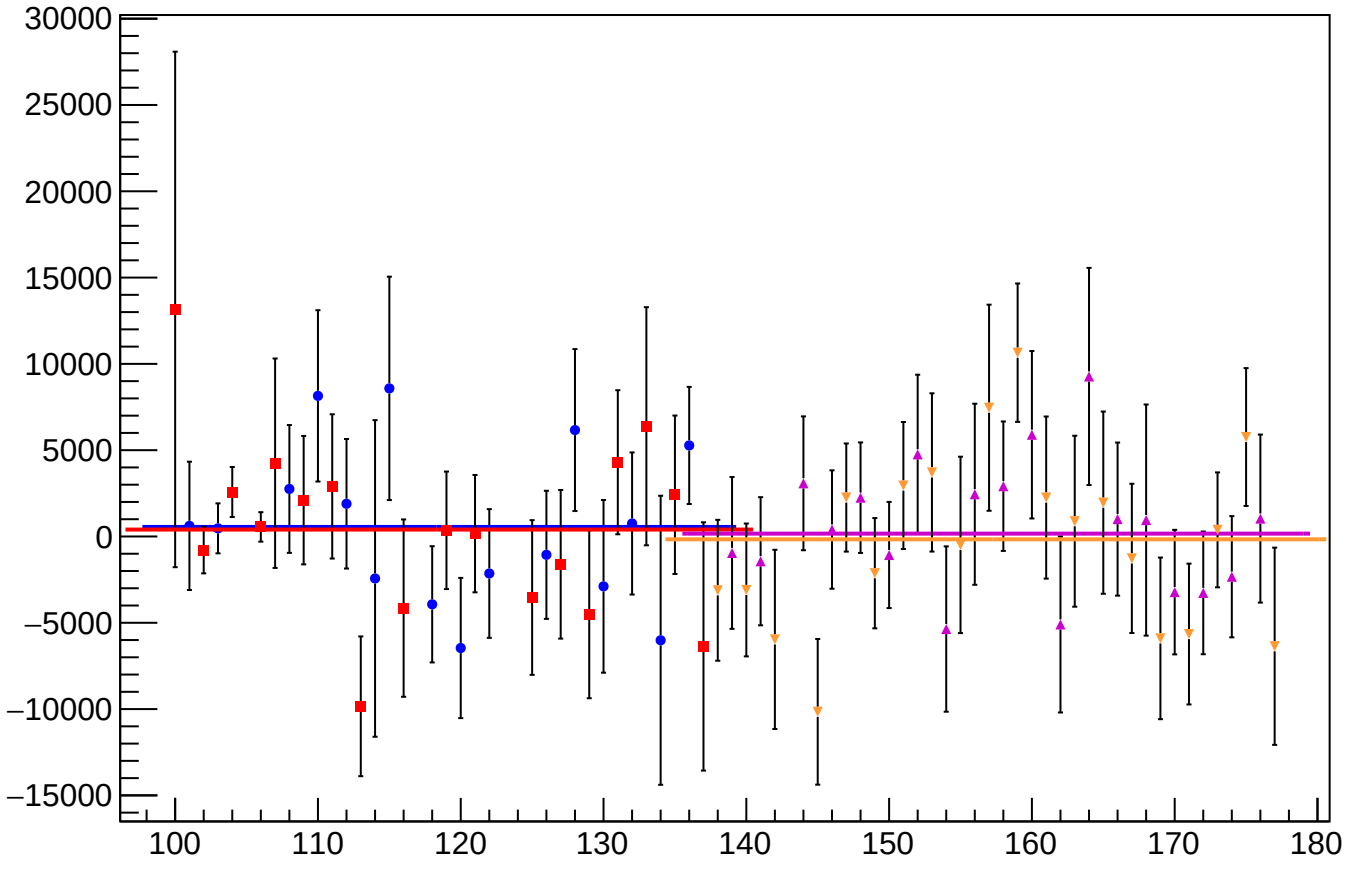
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1150.906+/-0.207 χ^2/NDF:53796.5/18

+ sign 1157.726+/-0.172 χ^2/NDF: 703328.0/35

All: 1157.390+/-0.122 χ^2/NDF: 1091724.0/72

- sign 1157.049+/-0.173 χ^2/NDF: 388388.2/36



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -164.048+/-938.443 χ^2/NDF:26.5/19

Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

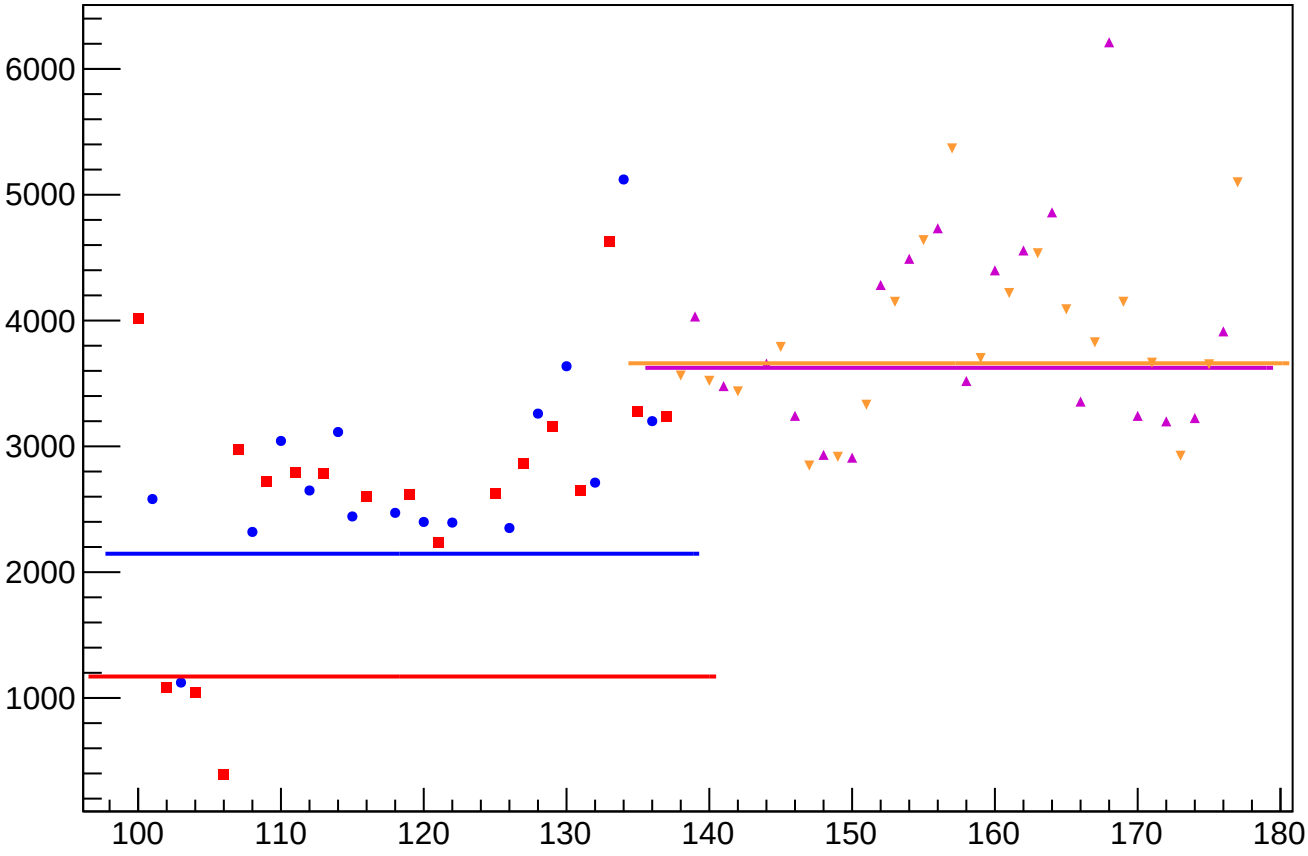
Left In: 165.127+/-938.353 χ^2/NDF:11.4/18

\+ sign 219.628+/-639.631 χ^2/NDF: 41.2/35

All: 294.633+/-386.251 χ^2/NDF: 69.4/72

\- sign 337.680+/-484.578 χ^2/NDF: 28.1/36

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3660.357+/-0.664 χ^2/NDF:881278.5/19

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

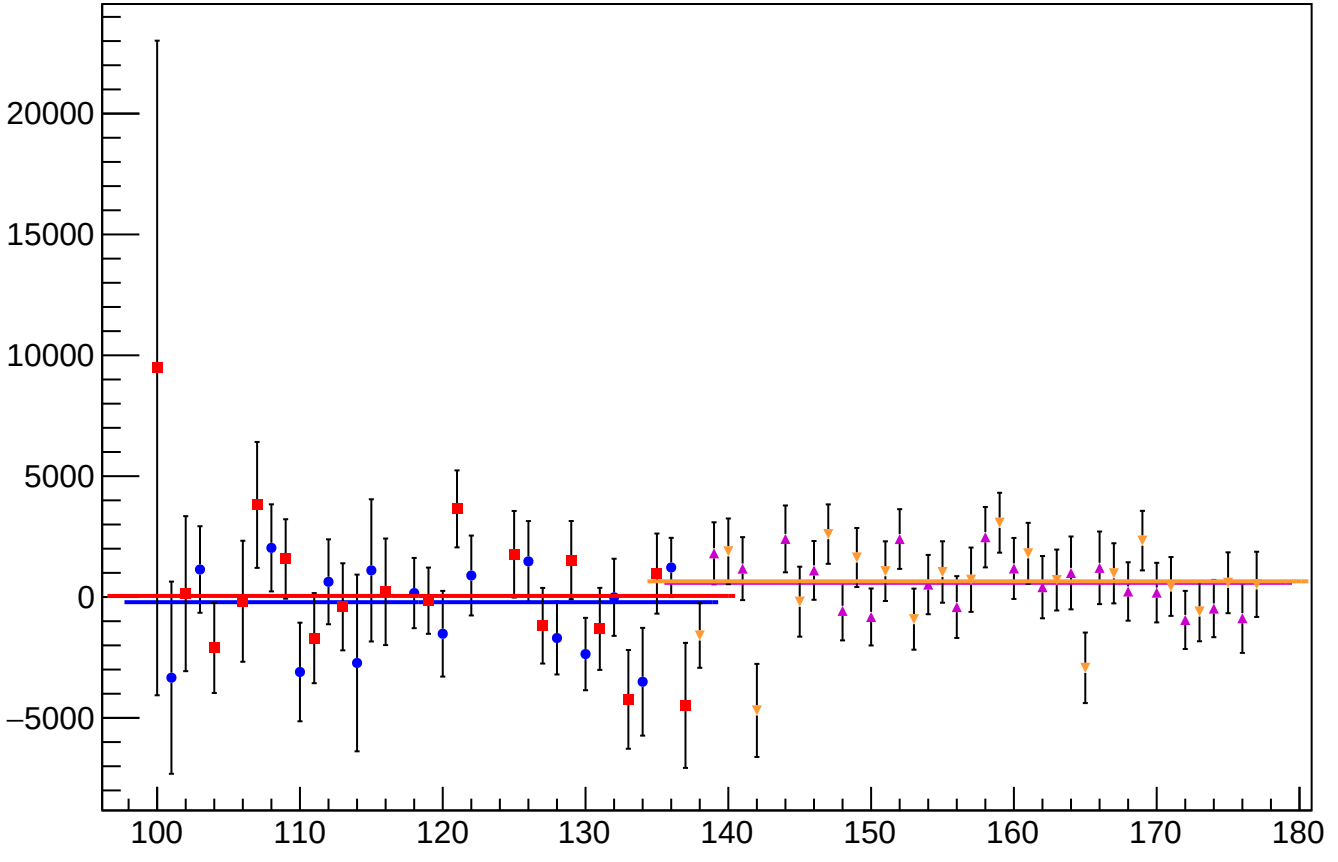
Left In: 3624.267+/-0.664 χ^2/NDF:1028690.7/18

+ sign 2849.843+/-0.452 χ^2/NDF: 5642294.8/35

All: 2198.667+/-0.273 χ^2/NDF: 25779367.9/7

- sign 1824.930+/-0.343 χ^2/NDF: 16874531.8/36

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 651.037+/-290.492 χ^2/NDF:30.3/19

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

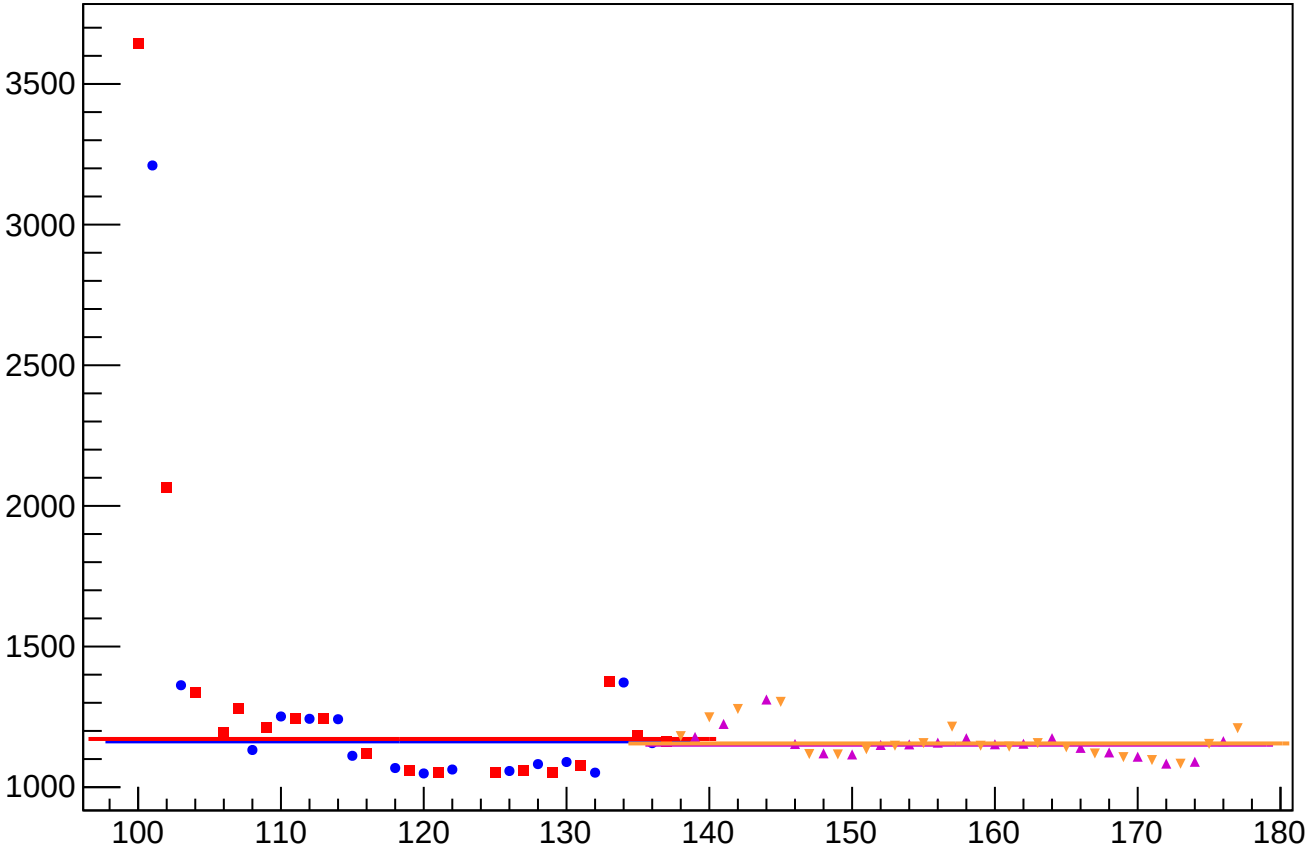
Left In: 588.408+/-292.245 χ^2/NDF:14.6/18

+ sign 390.941+/-242.870 χ^2/NDF: 47.3/35

All: 408.323+/-172.358 χ^2/NDF: 84.6/72

- sign 425.960+/-244.642 χ^2/NDF: 37.3/36

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: 1155.520+/-0.205 χ^2/NDF:67593.0/19

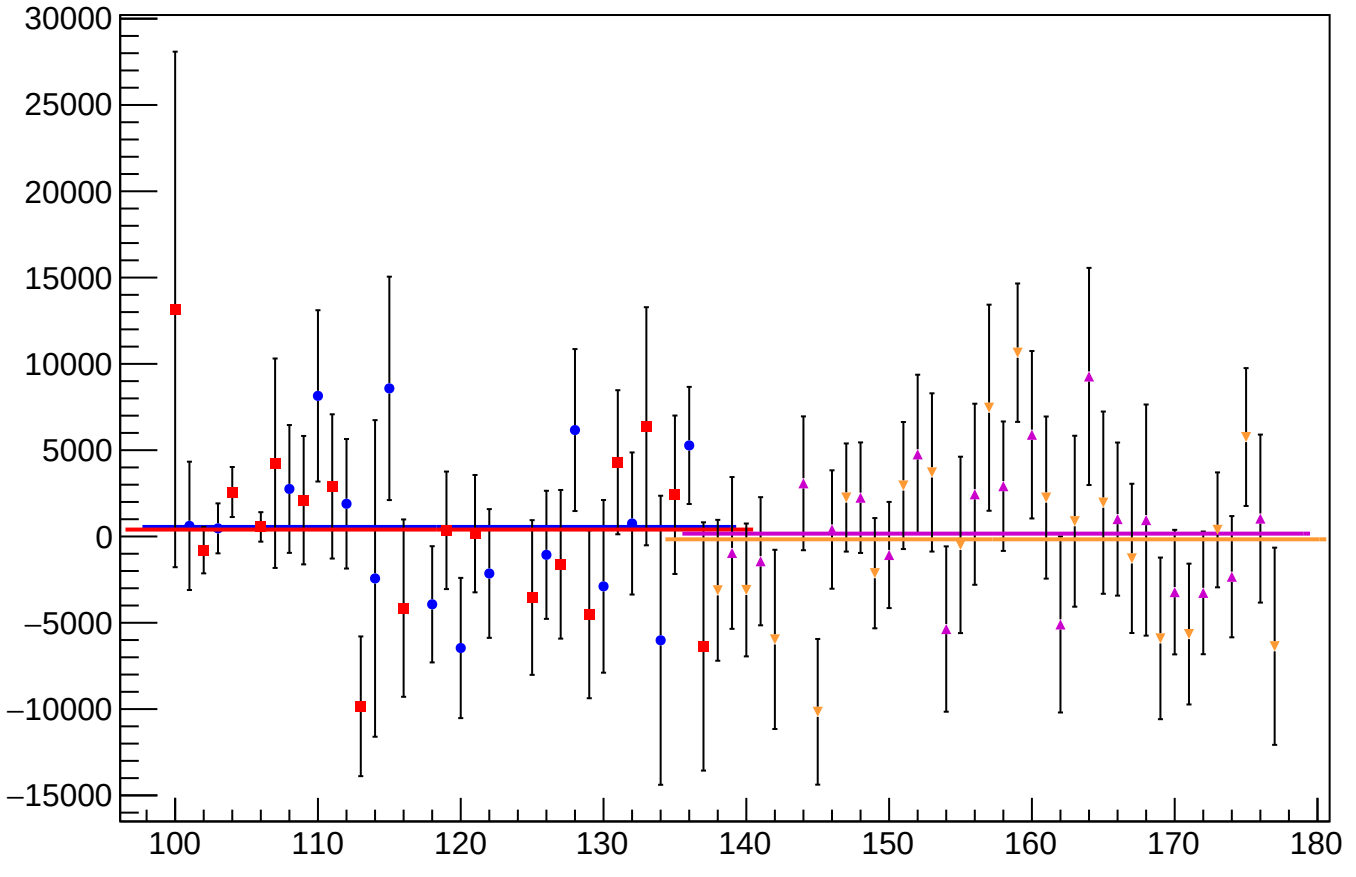
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1150.907+/-0.207 χ^2/NDF:53797.6/18

+ sign 1157.727+/-0.172 χ^2/NDF: 703330.0/35

All: 1157.391+/-0.122 χ^2/NDF: 1091726.5/72

- sign 1157.050+/-0.173 χ^2/NDF: 388388.8/36



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -164.049+/-938.444 χ^2/NDF:26.5/19

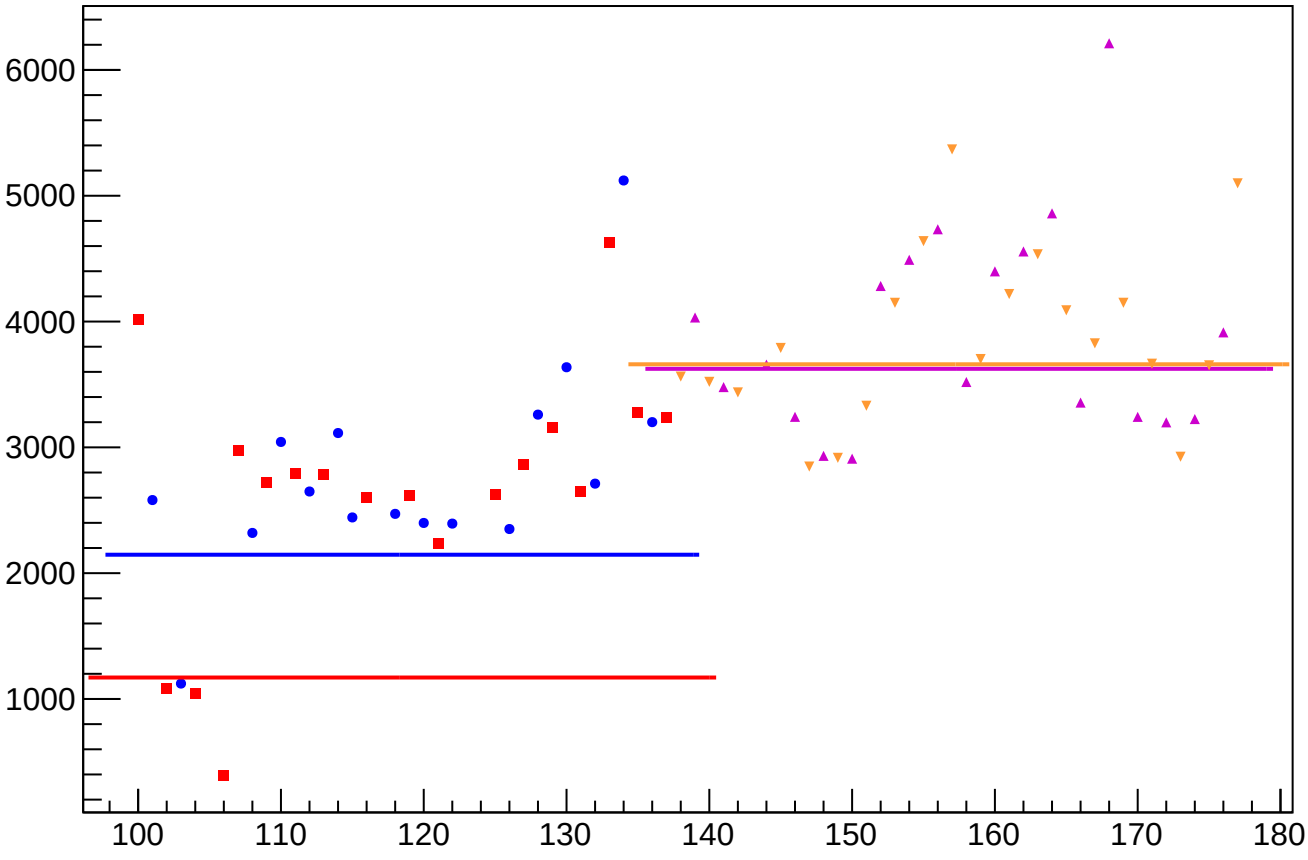
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 165.126+/-938.355 χ^2/NDF:11.4/18

\+ sign 219.625+/-639.631 χ^2/NDF: 41.2/35

All: 294.633+/-386.248 χ^2/NDF: 69.4/72

\- sign 337.682+/-484.574 χ^2/NDF: 28.1/36



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3660.362+/-0.664 χ^2/NDF:881279.7/19

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

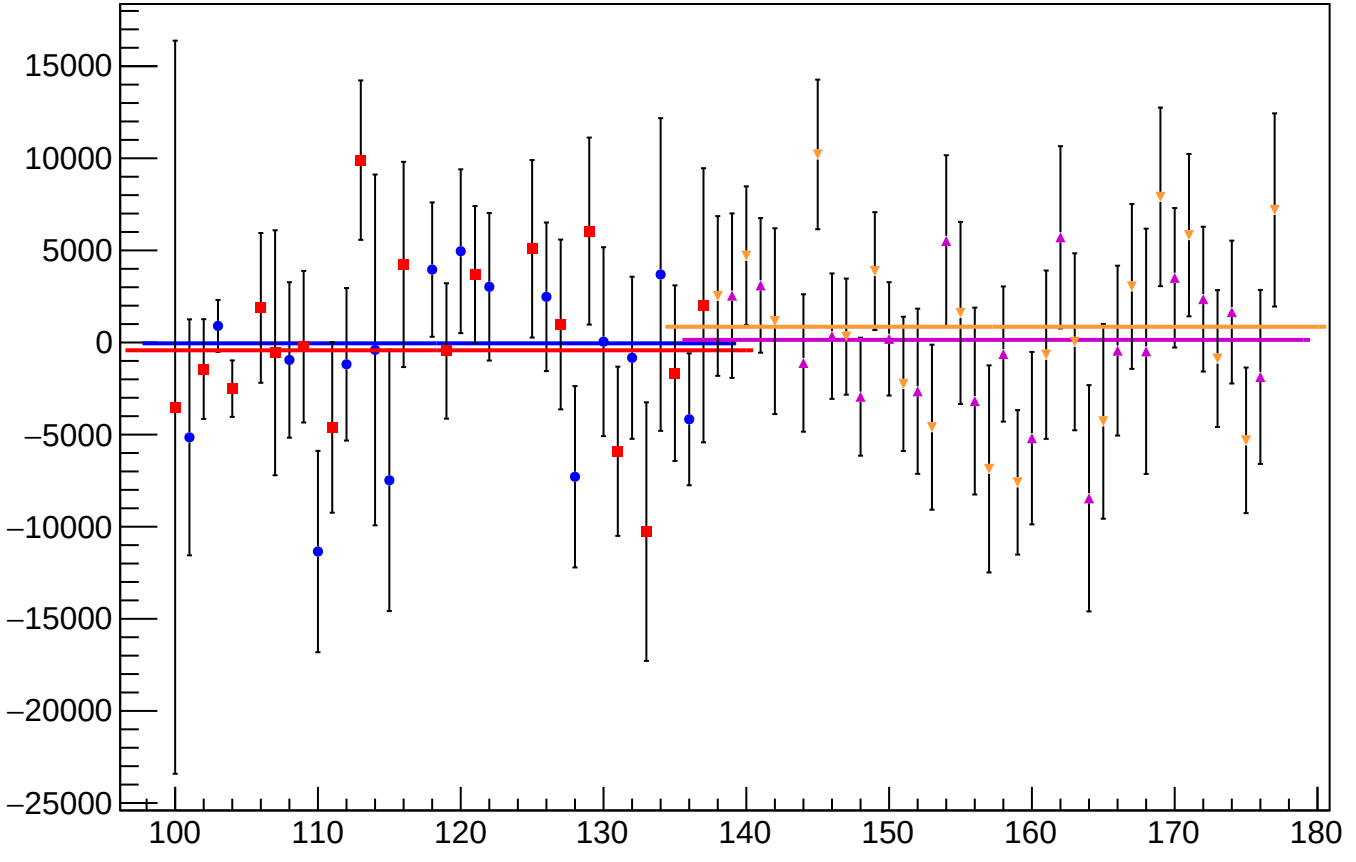
Left In: 3624.272+/-0.664 χ^2/NDF:1028692.6/18

+ sign 2849.841+/-0.452 χ^2/NDF: 5642322.7/35

All: 2198.644+/-0.273 χ^2/NDF: 25779990.0/7

- sign 1824.901+/-0.343 χ^2/NDF: 16874932.8/36

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 853.436+/-941.362 χ^2/NDF:25.0/19

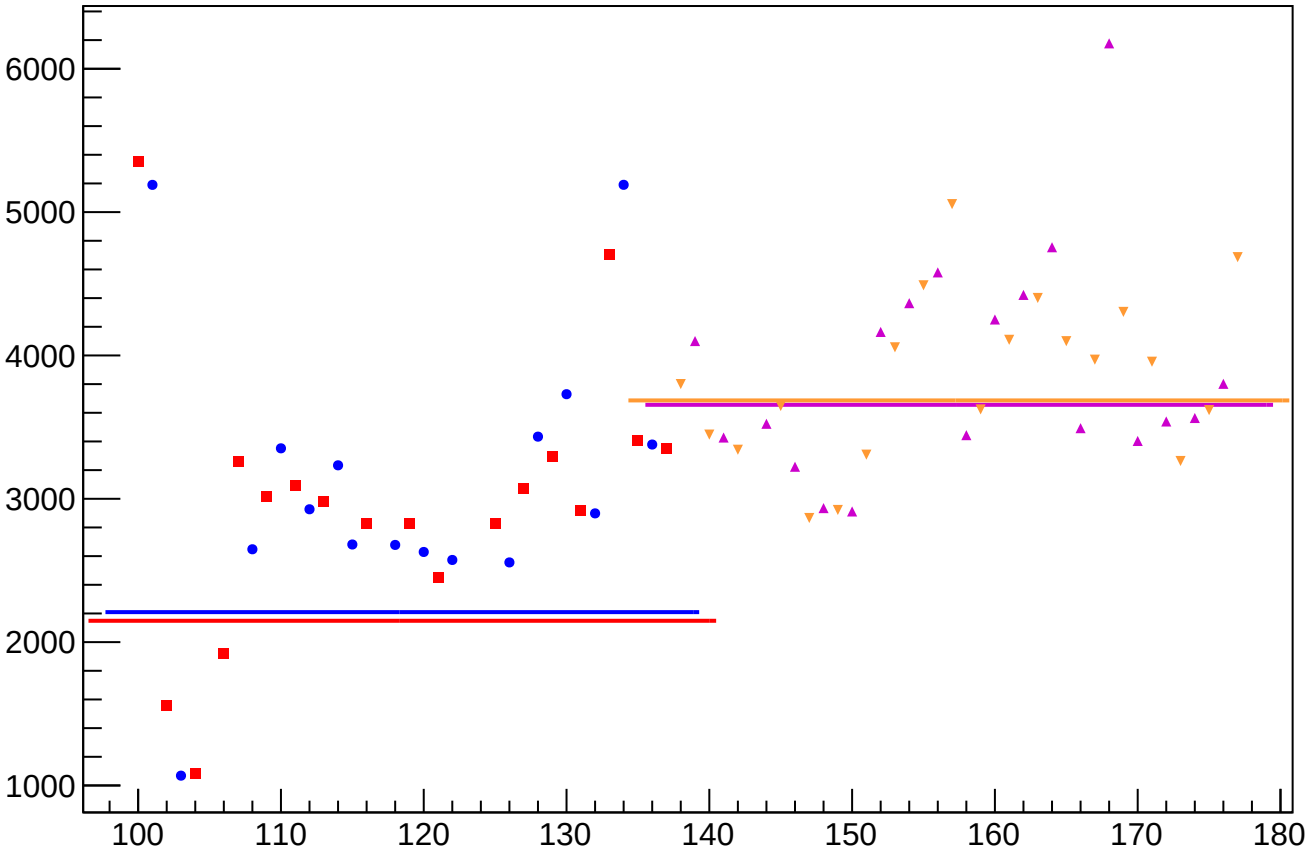
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 143.379+/-943.330 χ^2/NDF:10.2/18

+ sign 394.332+/-658.230 χ^2/NDF: 39.2/35

All: 116.490+/-462.479 χ^2/NDF: 67.3/72

- sign -154.393+/-649.936 χ^2/NDF: 27.7/36



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3686.275+/-0.666 χ^2/NDF:696384.0/19

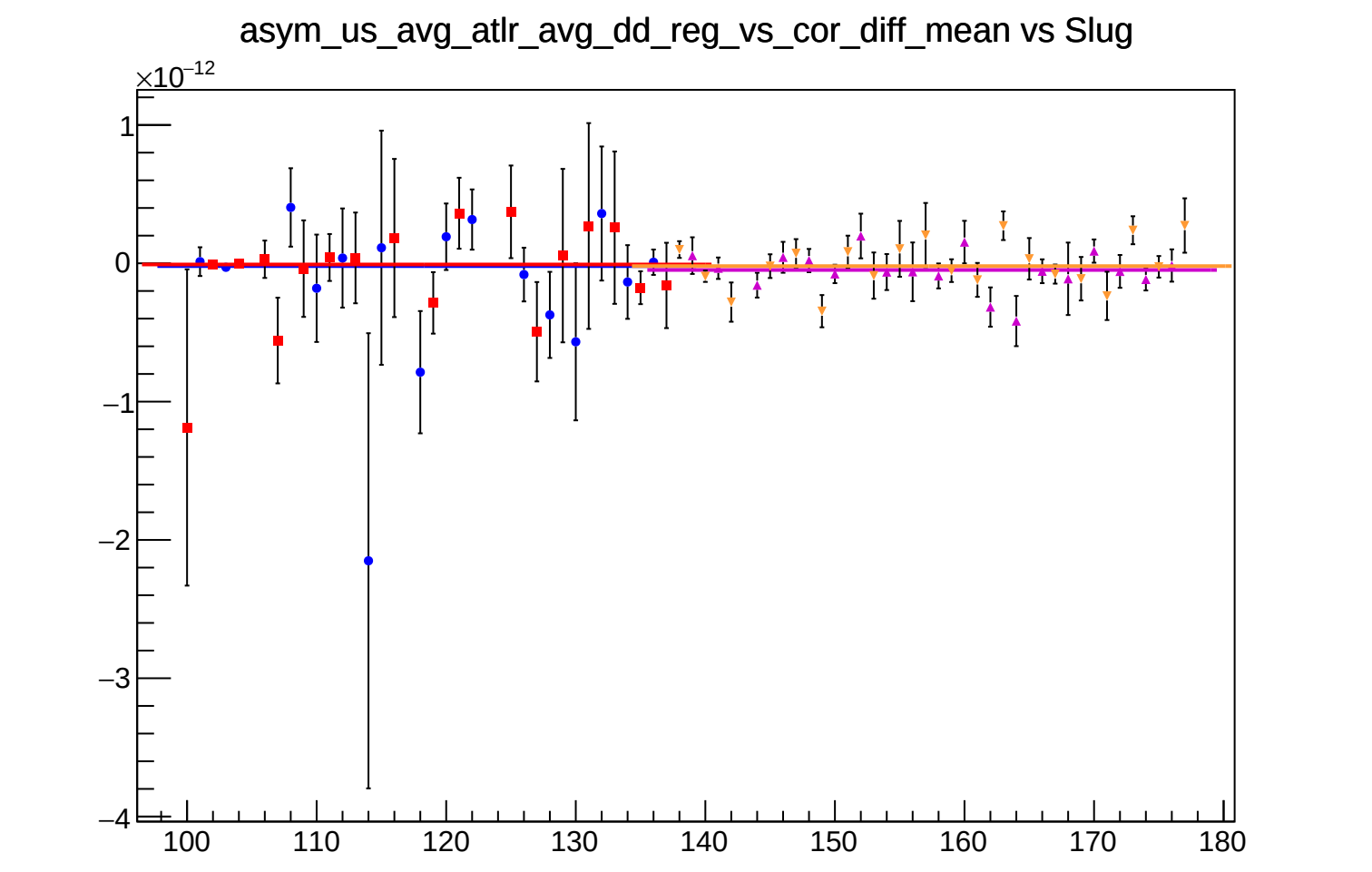
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3655.687+/-0.667 χ^2/NDF:873273.0/18

+ sign 2931.452+/-0.465 χ^2/NDF: 6049315.3/35

All: 2896.439+/-0.327 χ^2/NDF: 11889849.7/7

- sign 2862.388+/-0.459 χ^2/NDF: 5829371.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.7/19

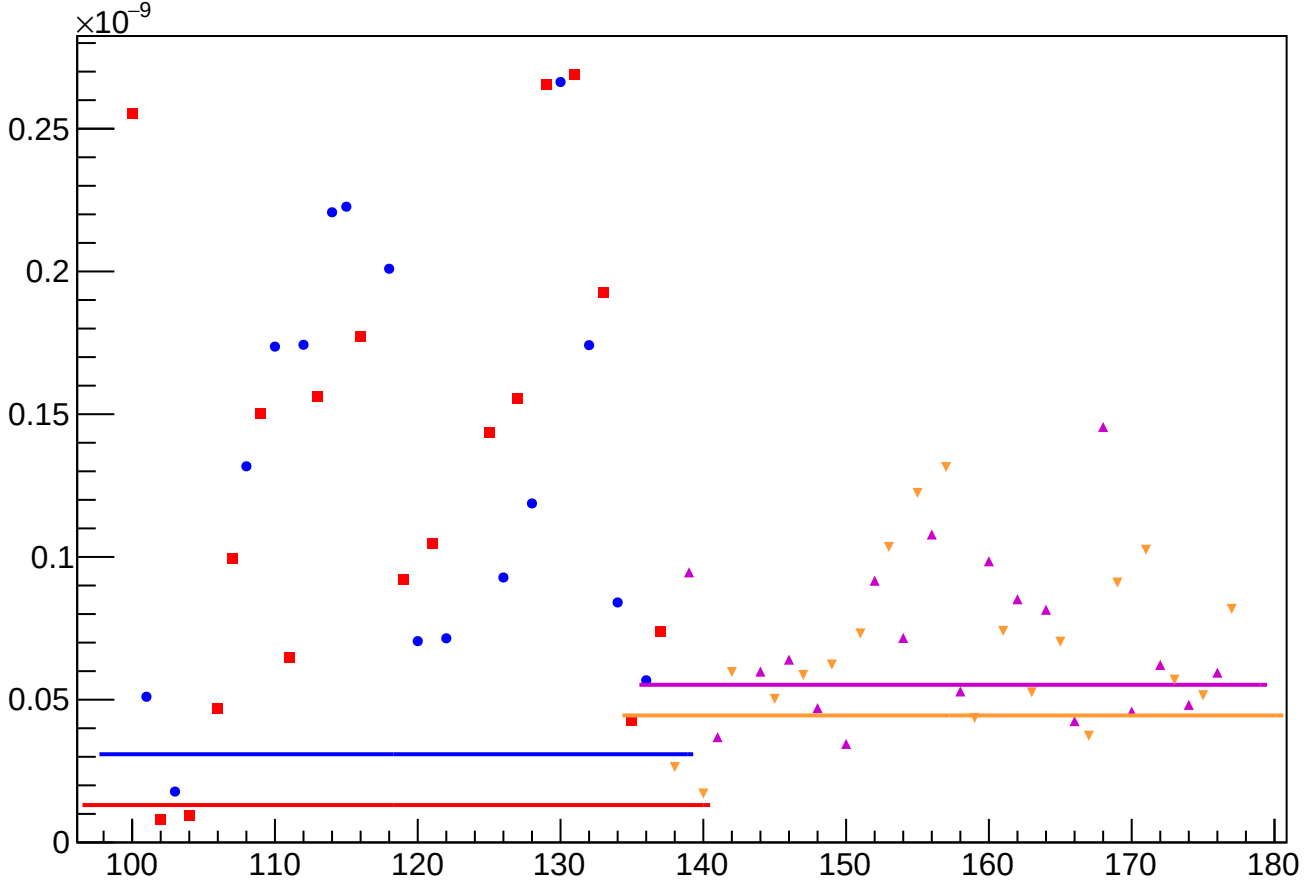
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 55.4/35

All: -0.000+/-0.000 χ^2/NDF: 90.5/72

- sign -0.000+/-0.000 χ^2/NDF: 35.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2870186.6/19

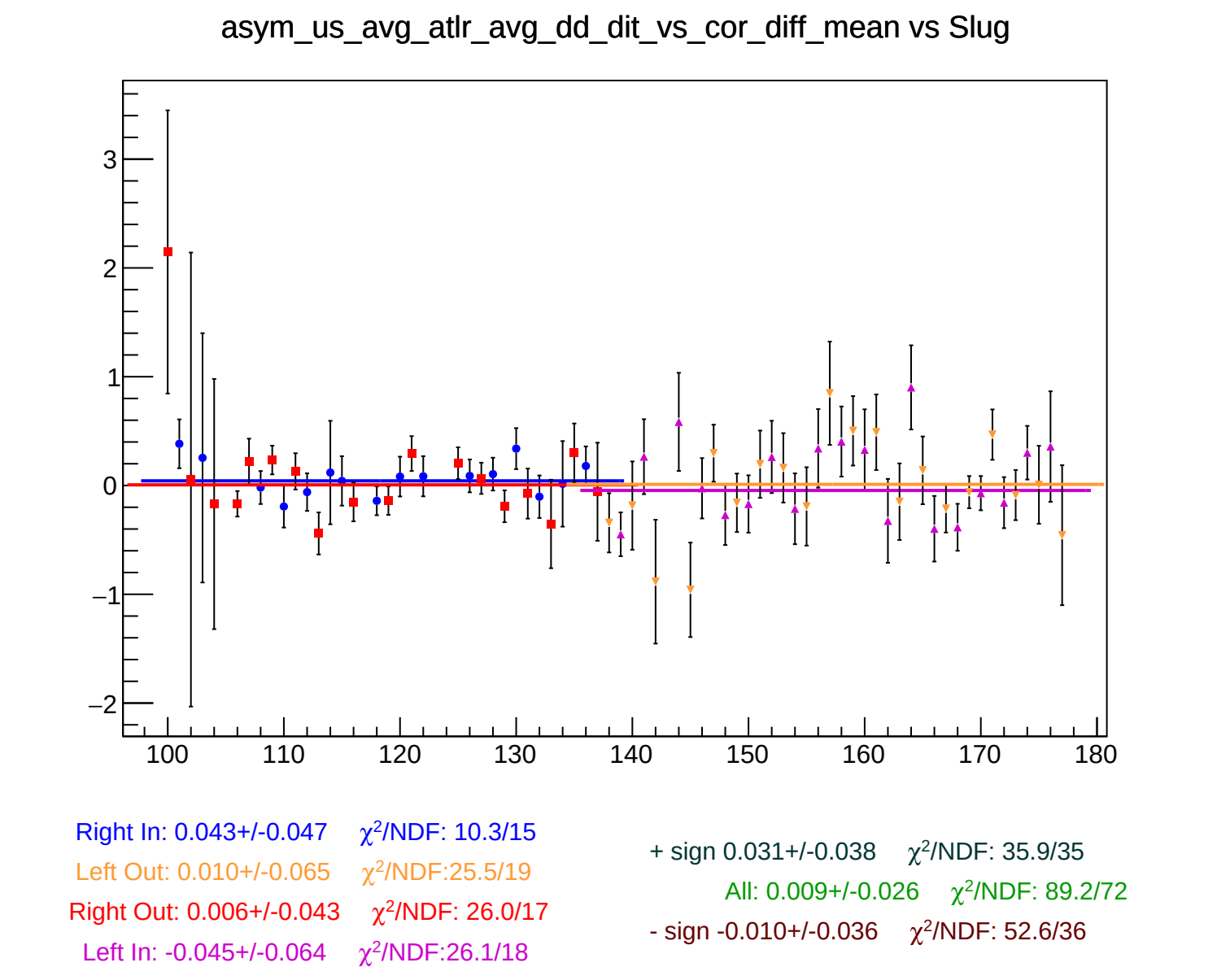
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

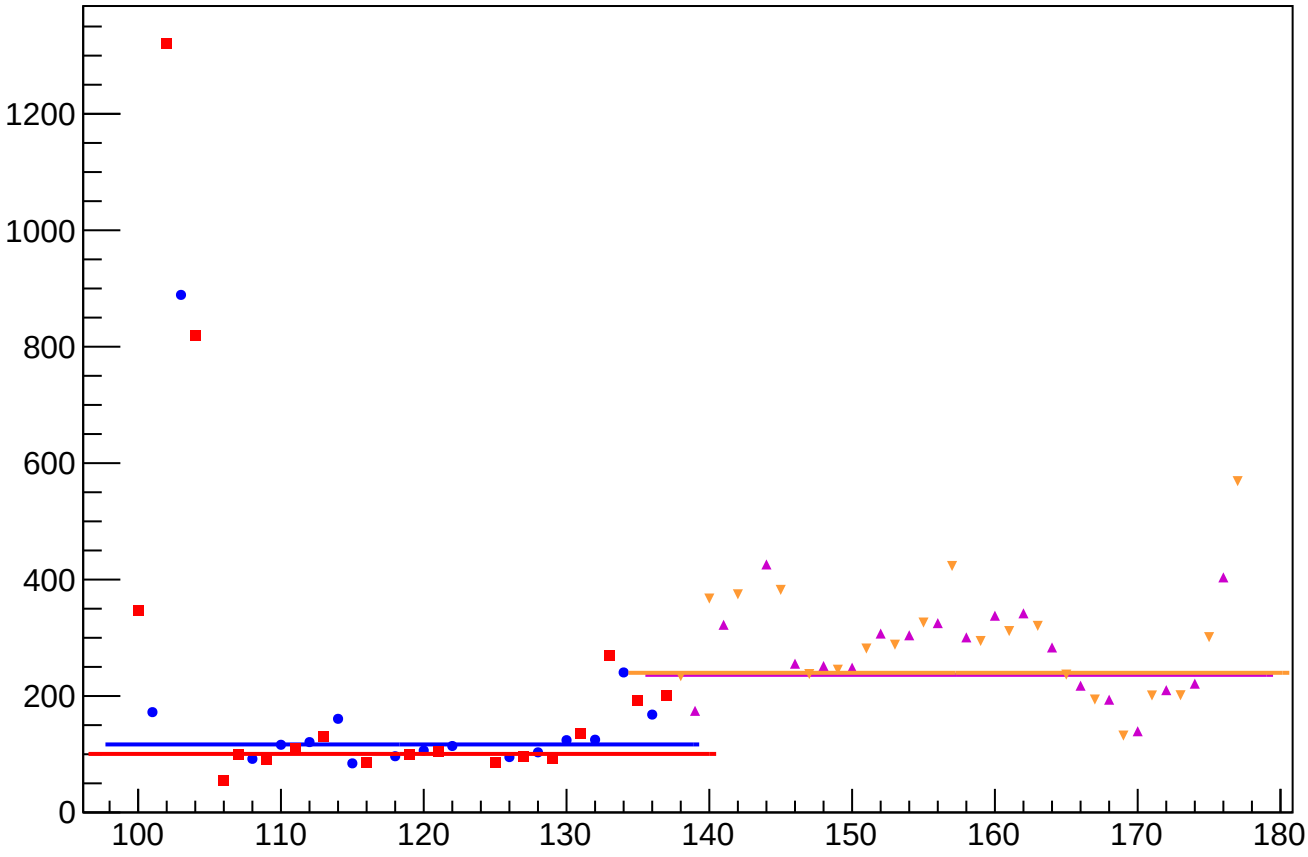
Left In: 0.000+/-0.000 χ^2/NDF:1397087.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 6209423.2/35

All: 0.000+/-0.000 χ^2/NDF: 16700297.1/72

- sign 0.000+/-0.000 χ^2/NDF: 9534595.4/36


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+/-0.065 χ²/NDF:25.5/19
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.045+/-0.064 χ²/NDF:26.1/18
+ sign 0.031+/-0.038 χ²/NDF: 35.9/35
All: 0.009+/-0.026 χ²/NDF: 89.2/72
- sign -0.010+/-0.036 χ²/NDF: 52.6/36



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113256.2/19

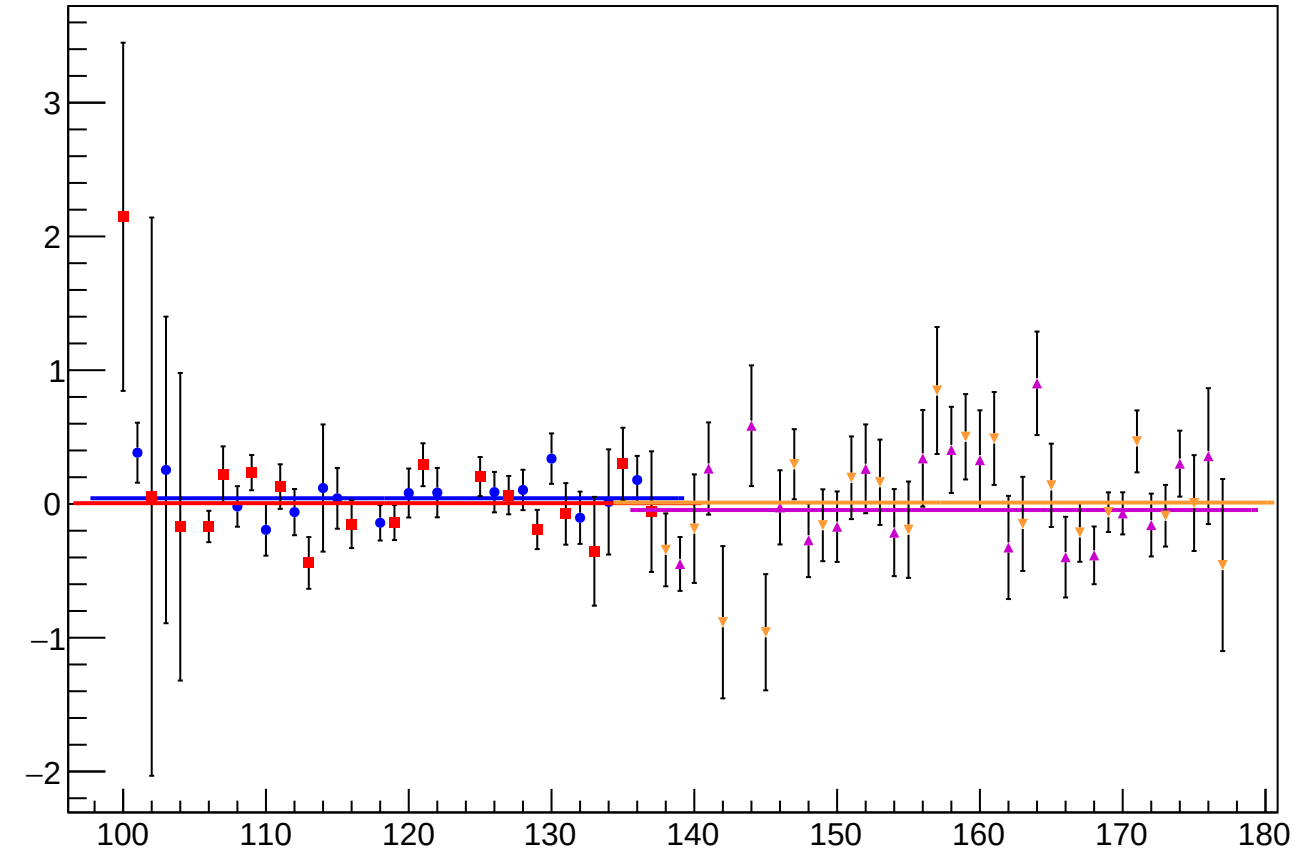
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.366+/-0.045 χ^2/NDF:2487105.8/18

+ sign 159.943+/-0.027 χ^2/NDF: 9441218.1/35

All: 151.222+/-0.019 χ^2/NDF: 20996860.1/72

- sign 143.560+/-0.025 χ^2/NDF: 11360384.5/36



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.010+/-0.065 χ^2/NDF:25.5/19

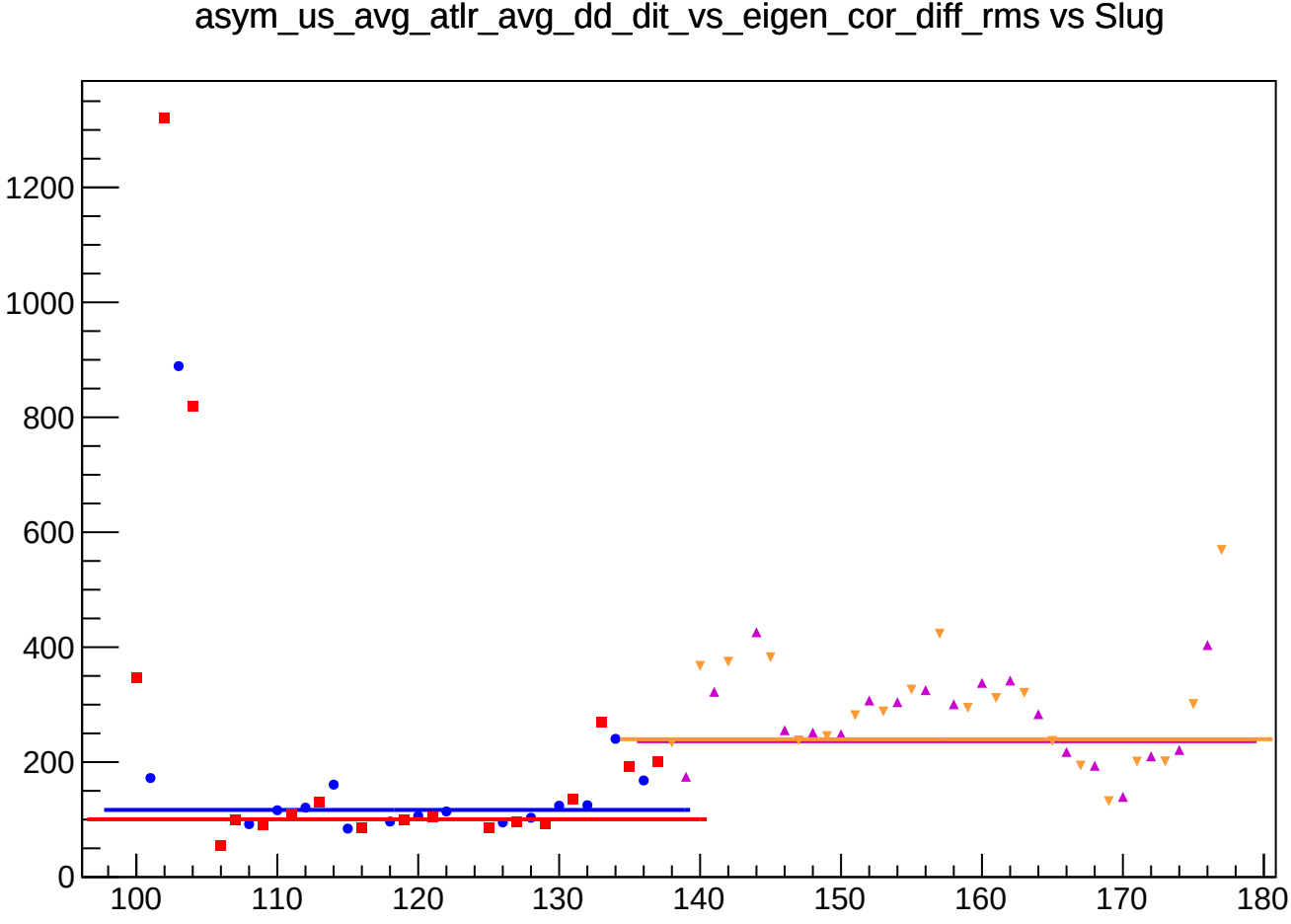
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.045+/-0.064 χ^2/NDF:26.1/18

+ sign 0.031+/-0.038 χ^2/NDF: 35.9/35

All: 0.009+/-0.026 χ^2/NDF: 89.2/72

- sign -0.010+/-0.036 χ^2/NDF: 52.6/36



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113256.2/19

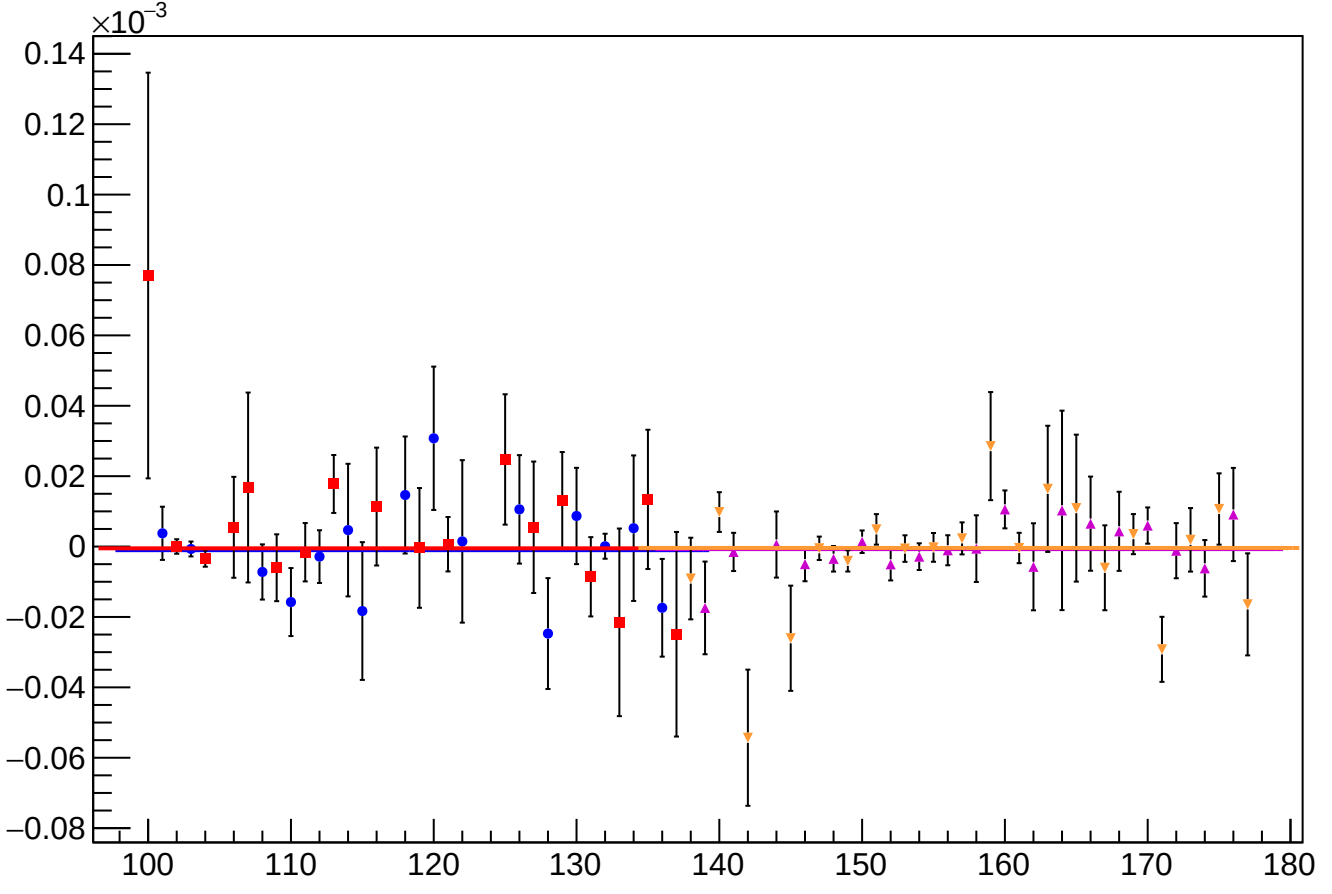
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.366+/-0.045 χ^2/NDF:2487105.8/18

+ sign 159.943+/-0.027 χ^2/NDF: 9441218.1/35

All: 151.222+/-0.019 χ^2/NDF: 20996860.1/72

- sign 143.560+/-0.025 χ^2/NDF: 11360384.5/36



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.5/19

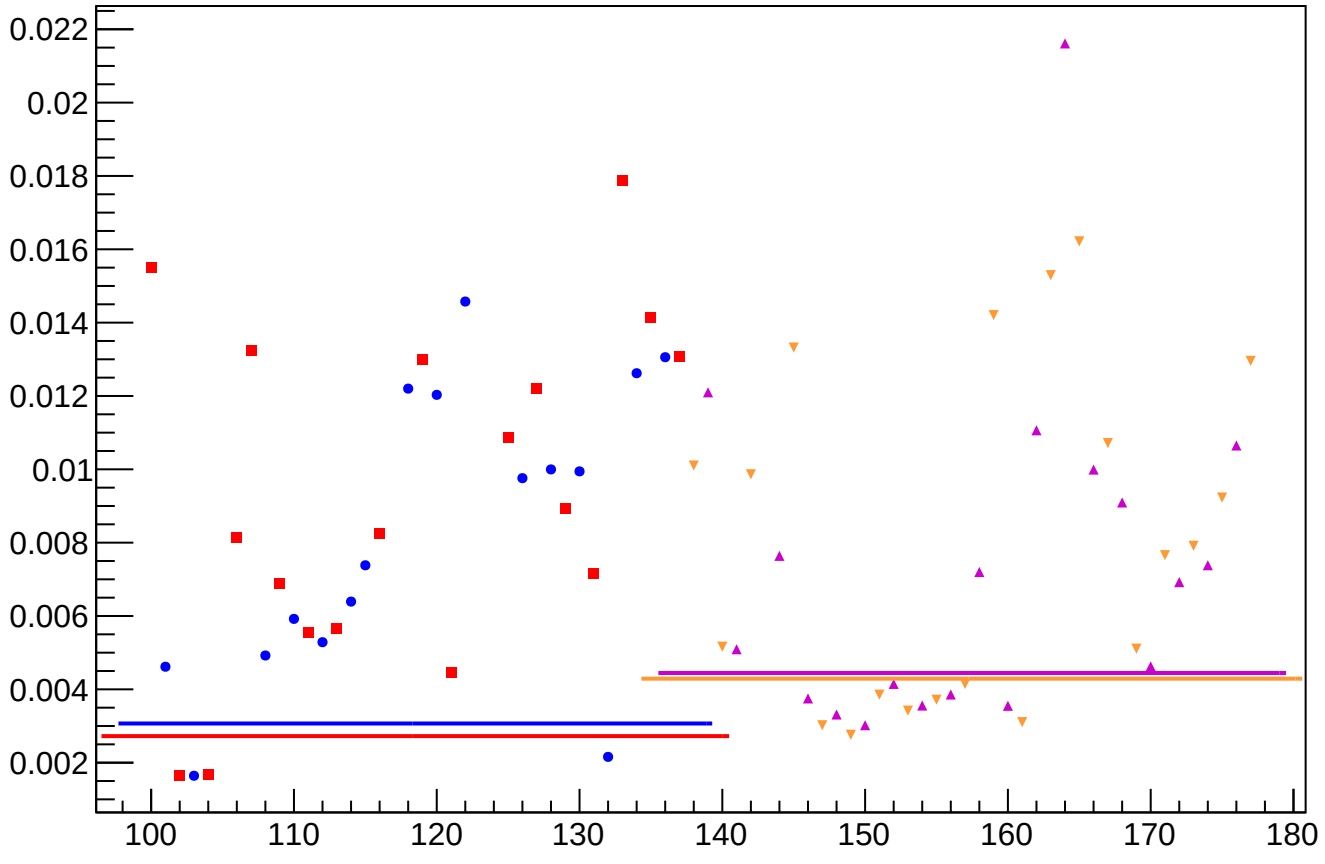
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 48.1/35

All: -0.000+/-0.000 χ^2/NDF: 75.8/72

- sign -0.000+/-0.000 χ^2/NDF: 27.6/36



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:7196867.1/19

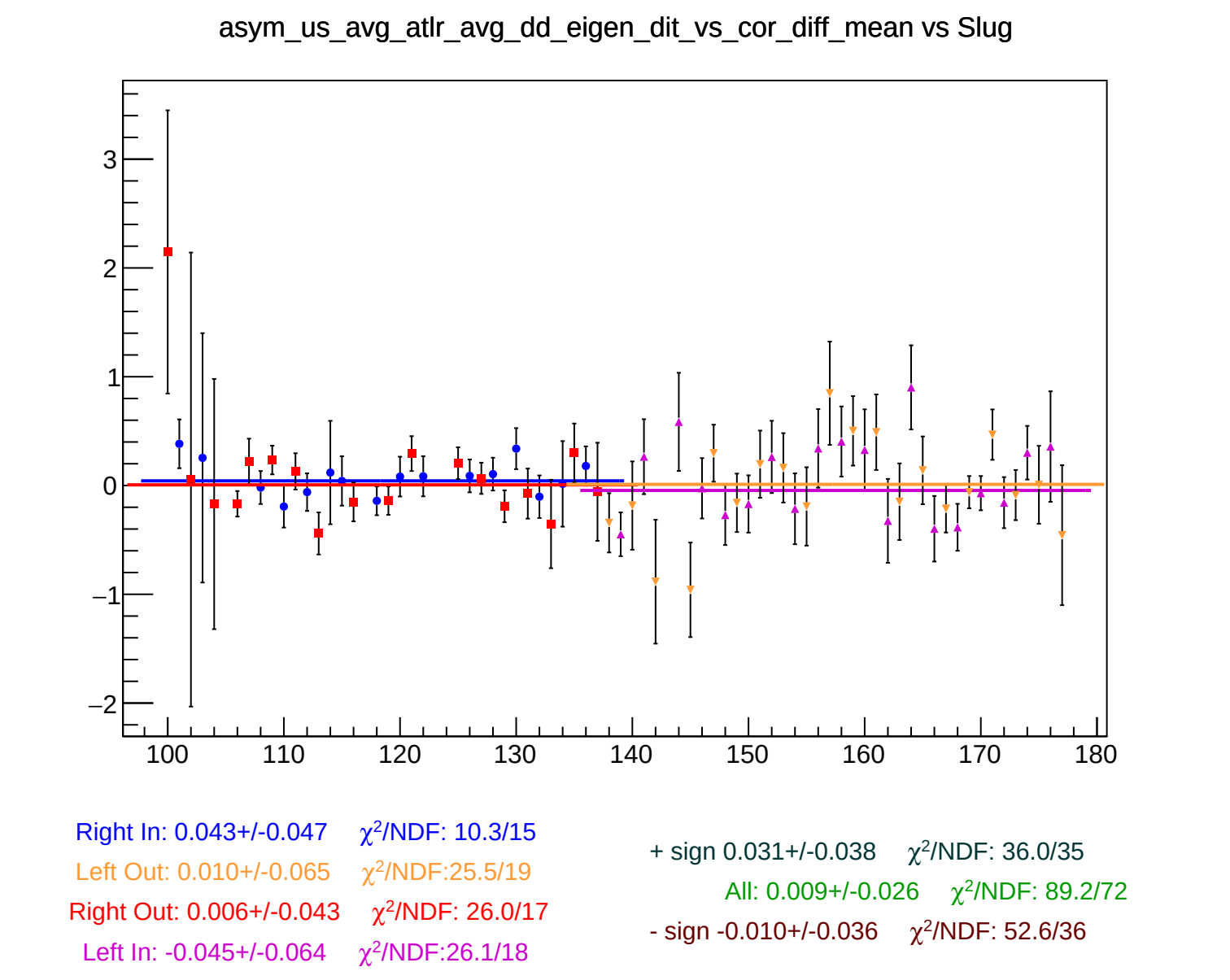
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

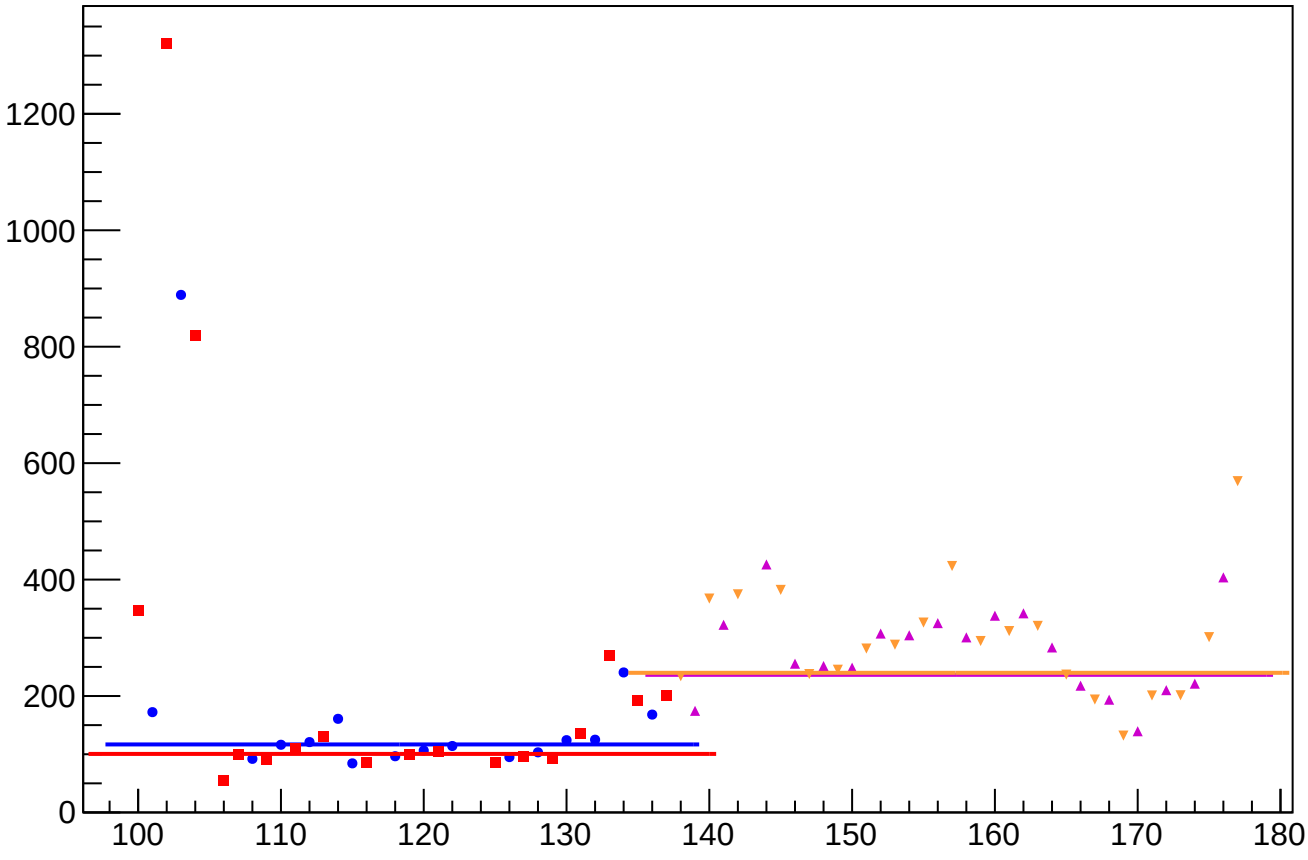
Left In: 0.004+/-0.000 χ^2/NDF:4851265.8/18

+ sign 0.004+/-0.000 χ^2/NDF: 13886942.8/35

All: 0.004+/-0.000 χ^2/NDF: 27098281.7/72

- sign 0.004+/-0.000 χ^2/NDF: 13180398.7/36


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+/-0.065 χ²/NDF:25.5/19
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.045+/-0.064 χ²/NDF:26.1/18
+ sign 0.031+/-0.038 χ²/NDF: 36.0/35
All: 0.009+/-0.026 χ²/NDF: 89.2/72
- sign -0.010+/-0.036 χ²/NDF: 52.6/36



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113381.2/19

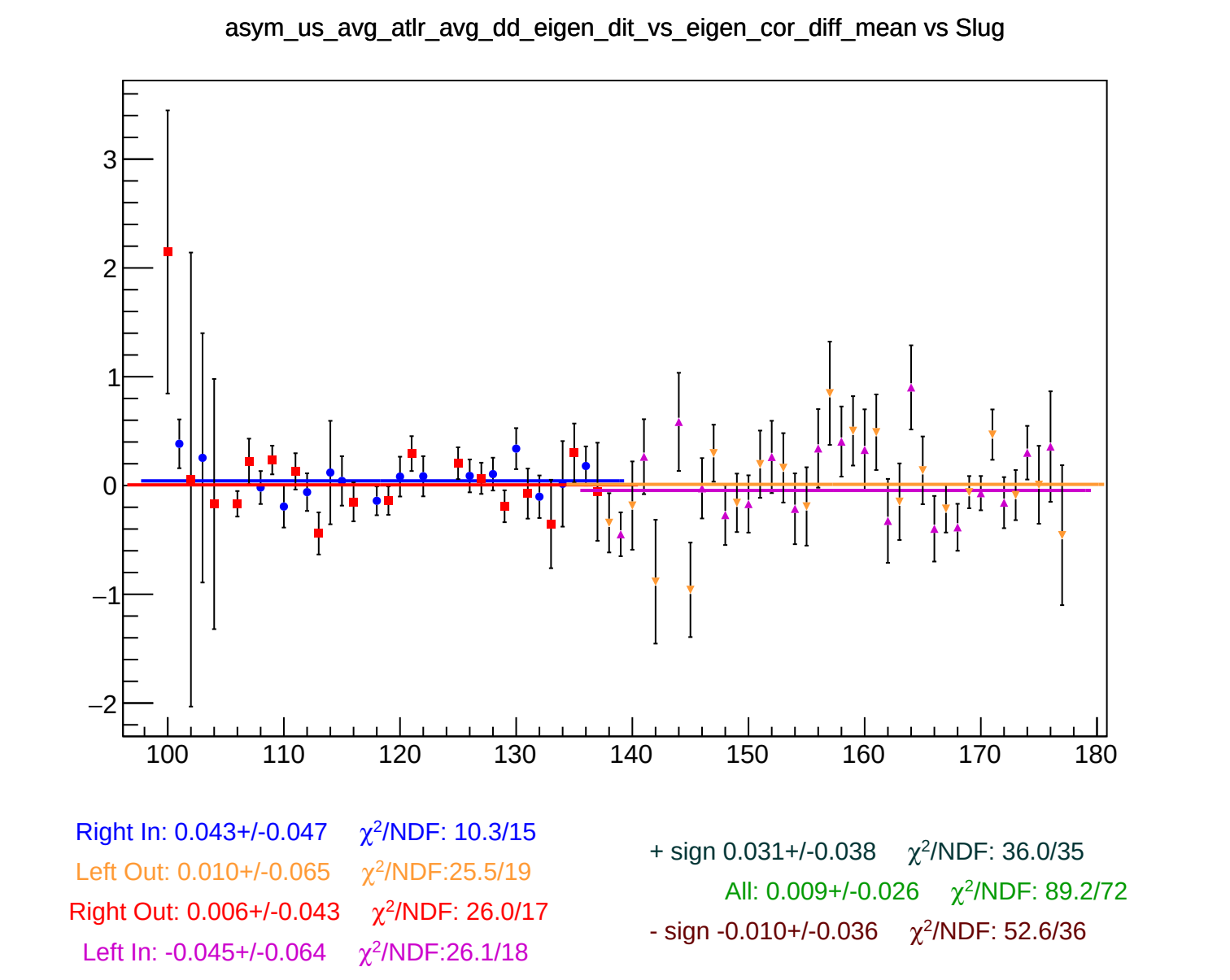
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

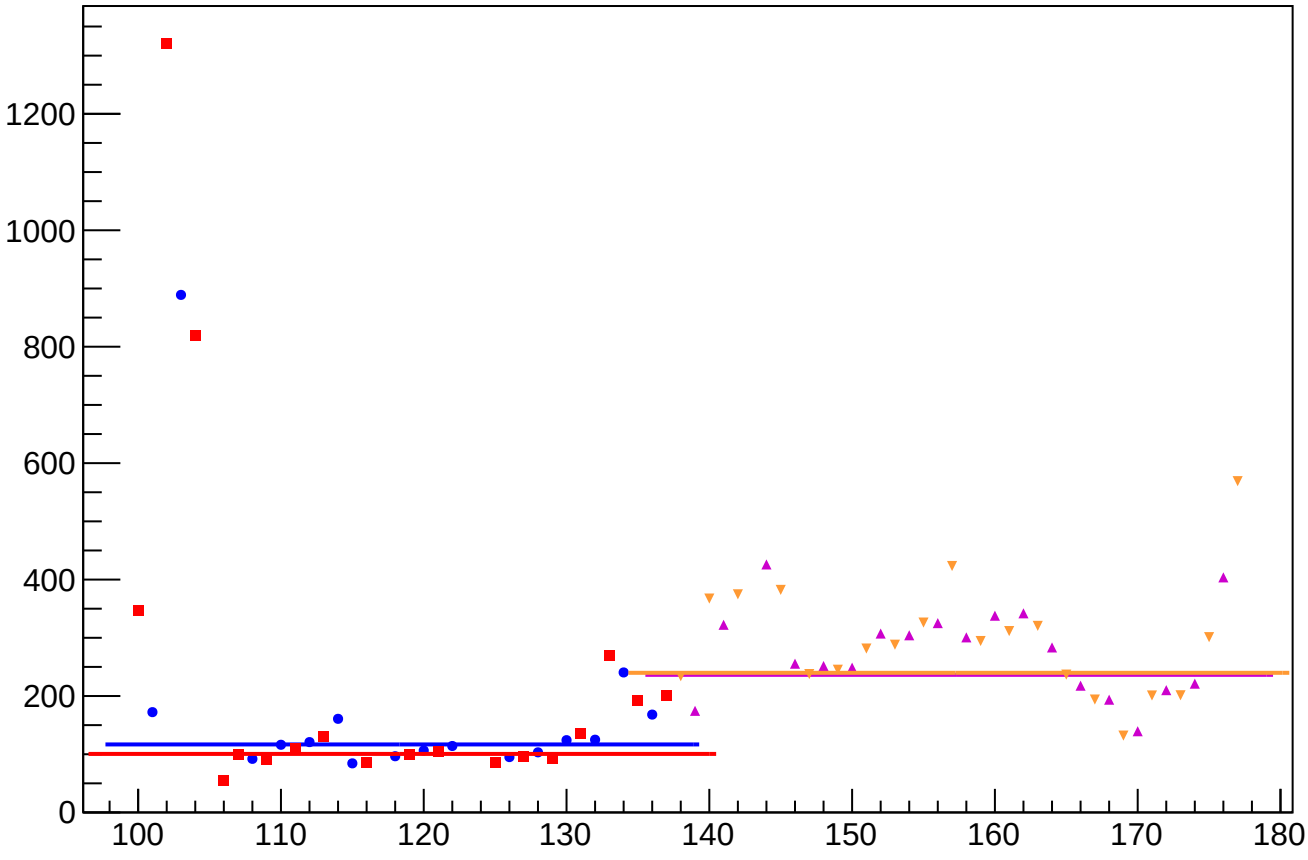
Left In: 236.368+/-0.045 χ^2/NDF:2487143.1/18

+ sign 159.943+/-0.027 χ^2/NDF: 9441349.3/35

All: 151.221+/-0.019 χ^2/NDF: 20997310.9/72

- sign 143.559+/-0.025 χ^2/NDF: 11360686.0/36


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+/-0.065 χ²/NDF:25.5/19
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.045+/-0.064 χ²/NDF:26.1/18
+ sign 0.031+/-0.038 χ²/NDF: 36.0/35
All: 0.009+/-0.026 χ²/NDF: 89.2/72
- sign -0.010+/-0.036 χ²/NDF: 52.6/36



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113381.2/19

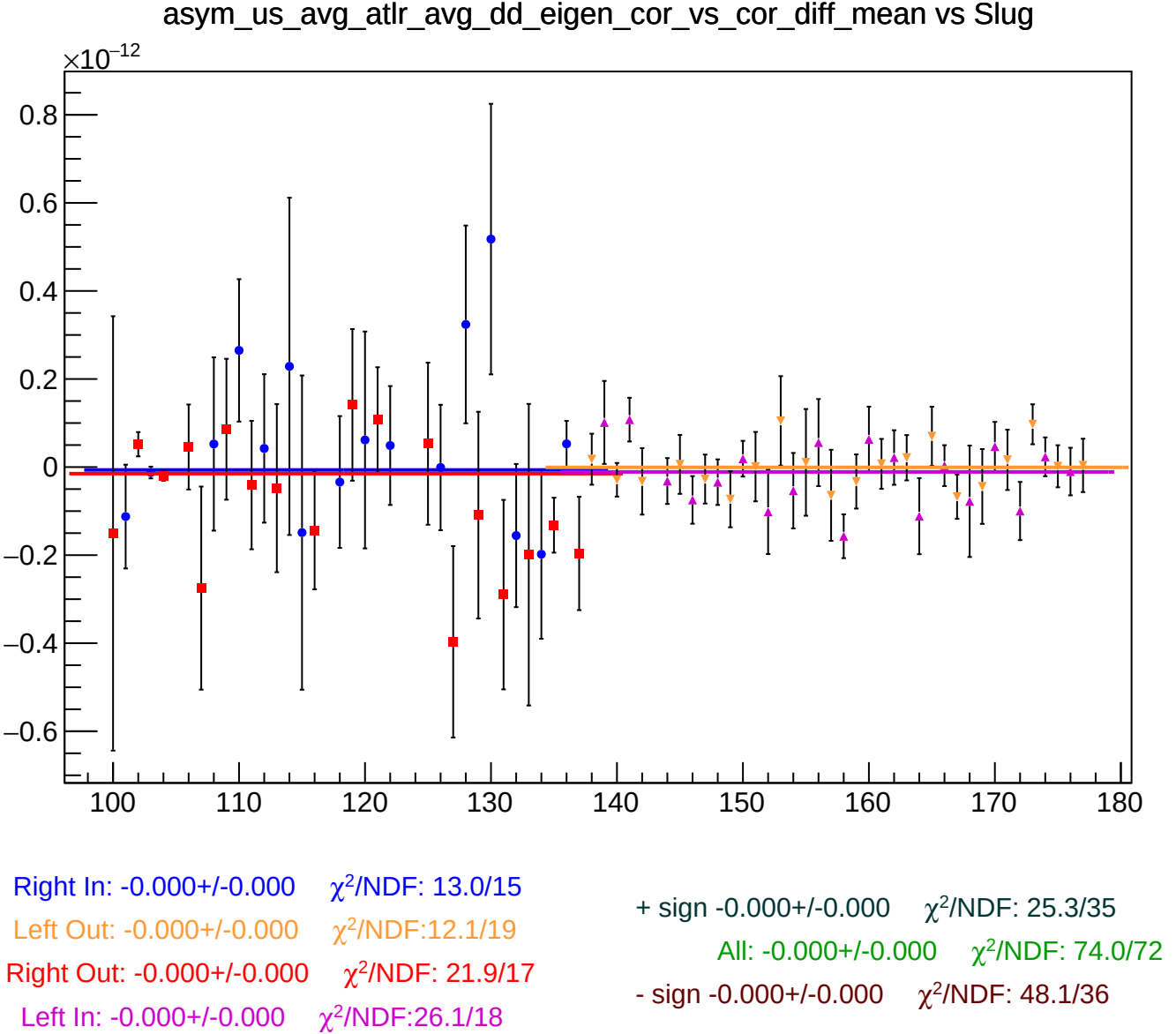
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

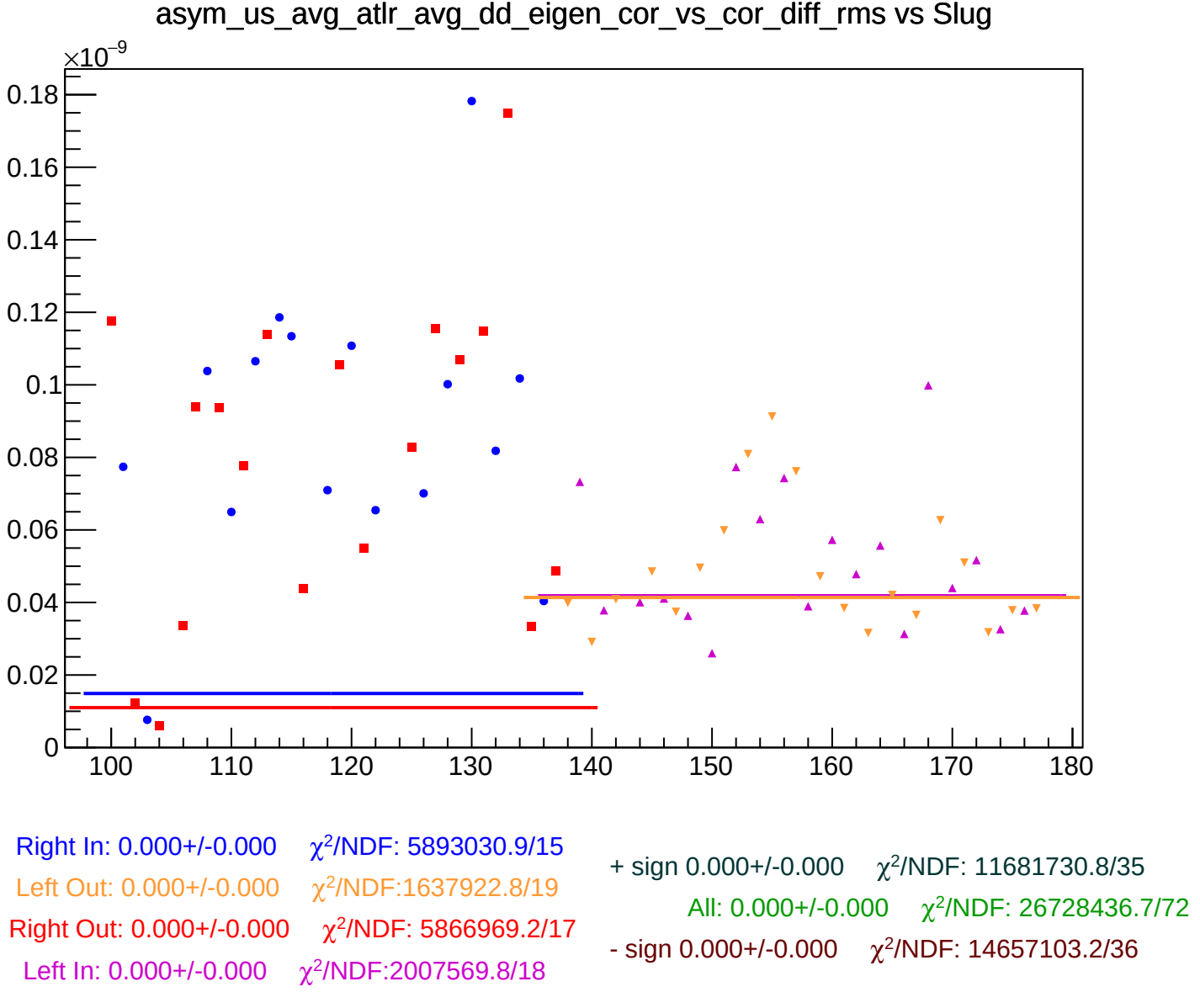
Left In: 236.368+/-0.045 χ^2/NDF:2487143.1/18

+ sign 159.943+/-0.027 χ^2/NDF: 9441349.3/35

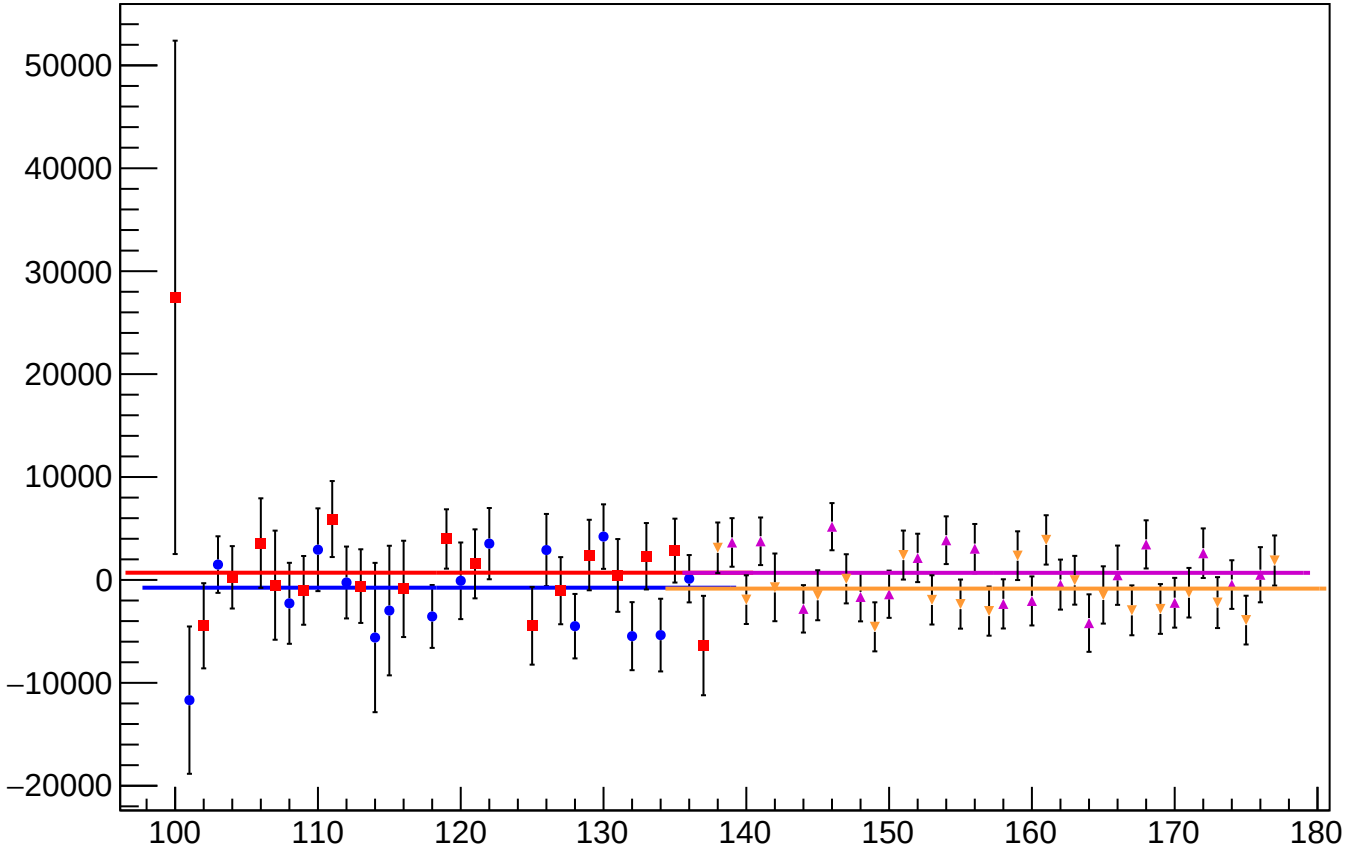
All: 151.221+/-0.019 χ^2/NDF: 20997310.9/72

- sign 143.559+/-0.025 χ^2/NDF: 11360686.0/36


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:12.1/19
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:26.1/18
+ sign -0.000+/-0.000 χ²/NDF: 25.3/35
All: -0.000+/-0.000 χ²/NDF: 74.0/72
- sign -0.000+/-0.000 χ²/NDF: 48.1/36


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:1637922.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:2007569.8/18
+ sign 0.000+/-0.000 χ²/NDF: 11681730.8/35
All: 0.000+/-0.000 χ²/NDF: 26728436.7/72
- sign 0.000+/-0.000 χ²/NDF: 14657103.2/36

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -842.695+/-547.038 χ^2/NDF:19.4/19

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

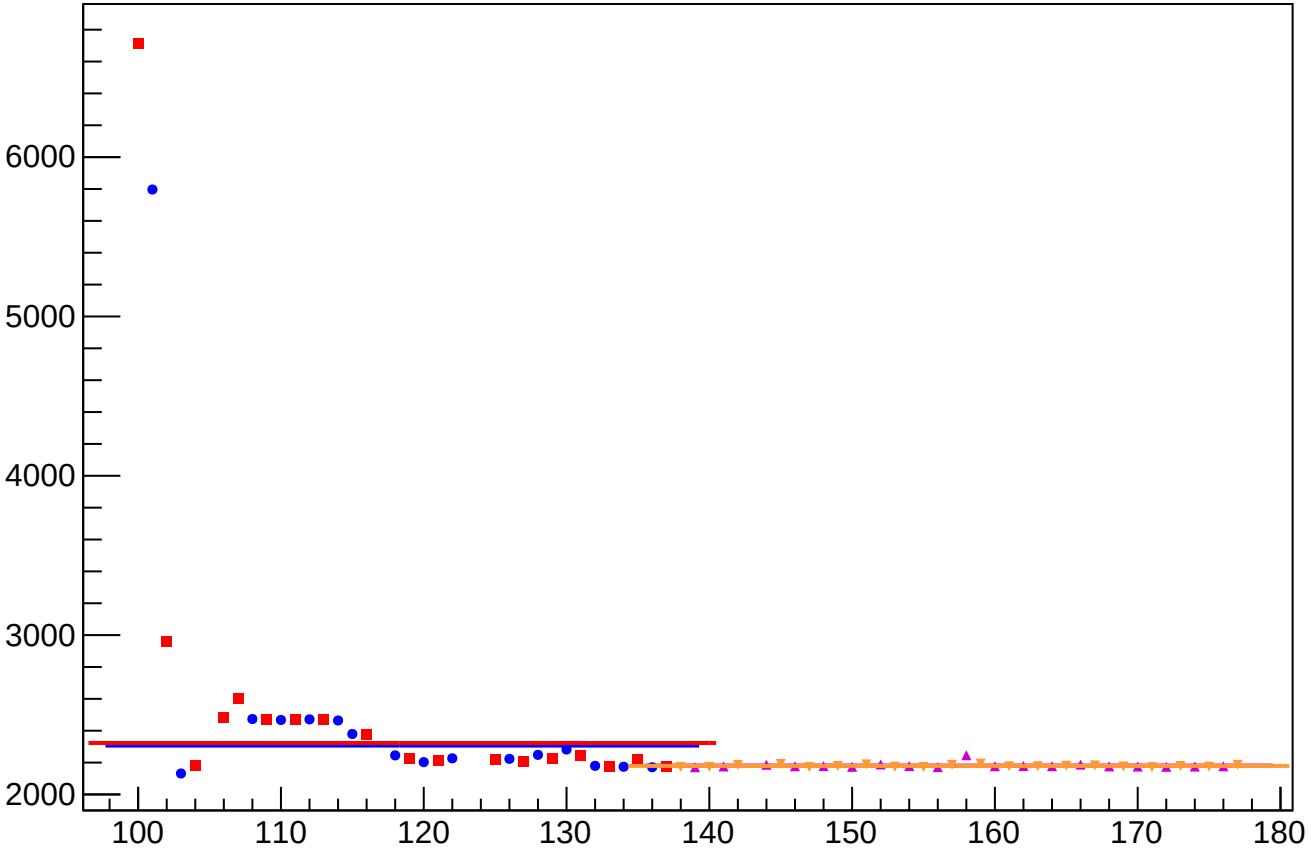
Left In: 689.947+/-553.313 χ^2/NDF:24.3/18

+ sign -817.756+/-463.498 χ^2/NDF: 35.2/35

All: -67.303+/-328.861 χ^2/NDF: 77.2/72

- sign 693.483+/-466.678 χ^2/NDF: 36.7/36

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.030+/-0.387 χ^2/NDF:296.6/19

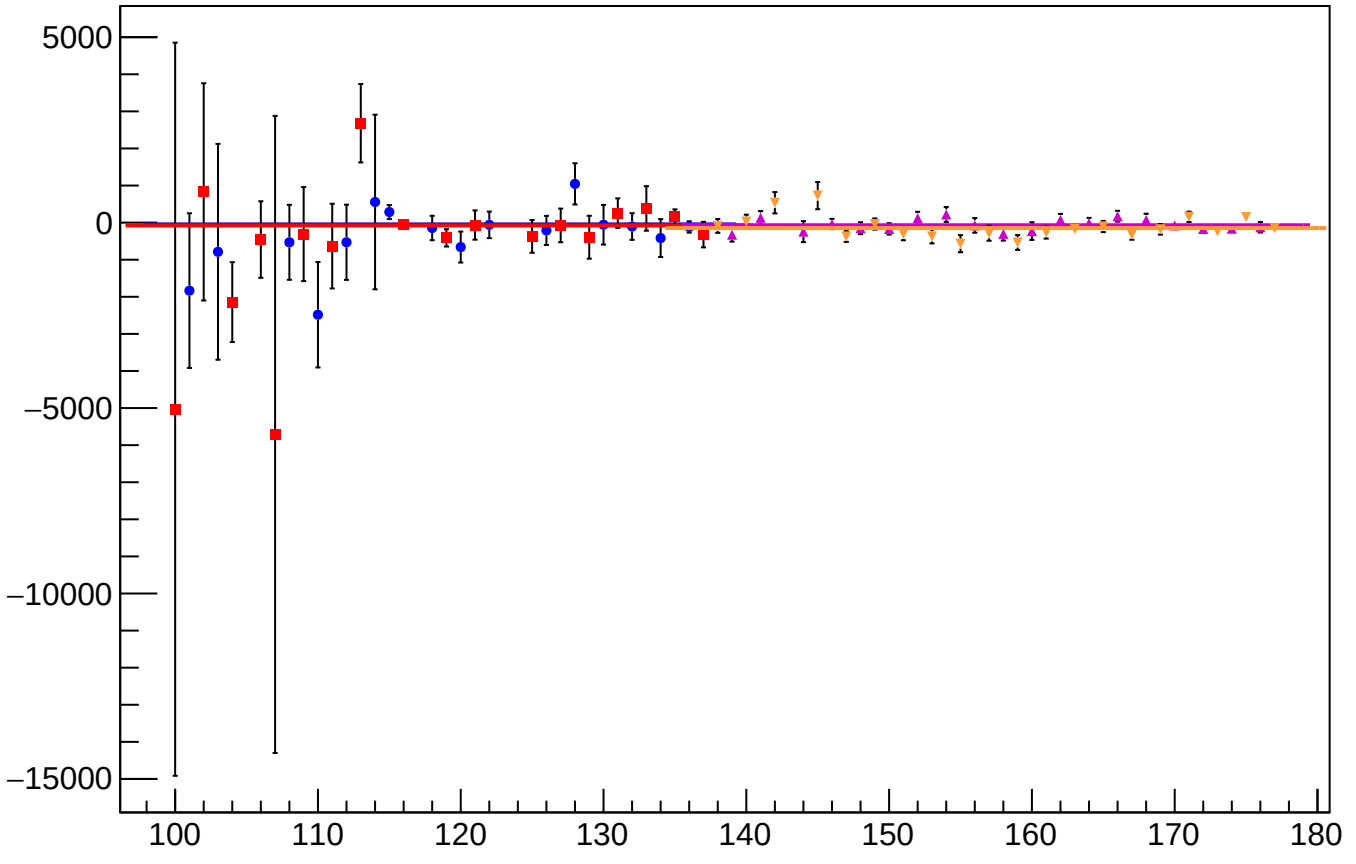
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

+ sign 2215.031+/-0.328 χ^2/NDF: 545151.0/35

All: 2218.599+/-0.233 χ^2/NDF: 736737.8/72

- sign 2222.216+/-0.330 χ^2/NDF: 191348.2/36



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -146.080+/-35.445 χ^2/NDF:39.4/19

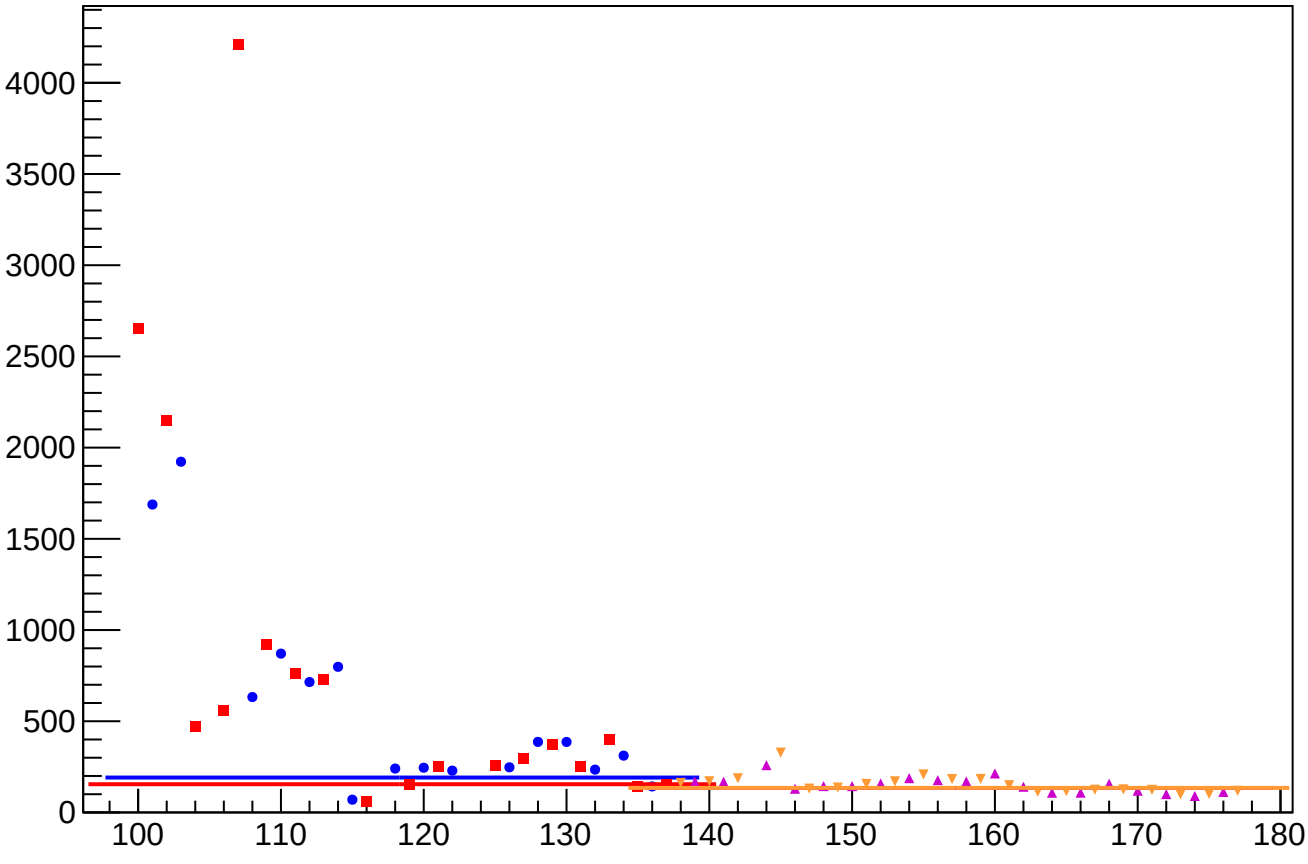
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -70.556+/-35.742 χ^2/NDF:15.7/18

+ sign -133.129+/-33.024 χ^2/NDF: 54.8/35

All: -101.910+/-23.268 χ^2/NDF: 89.9/72

- sign -71.133+/-32.789 χ^2/NDF: 33.3/36



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 134.713+/-0.025 χ^2/NDF:1802170.7/19

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

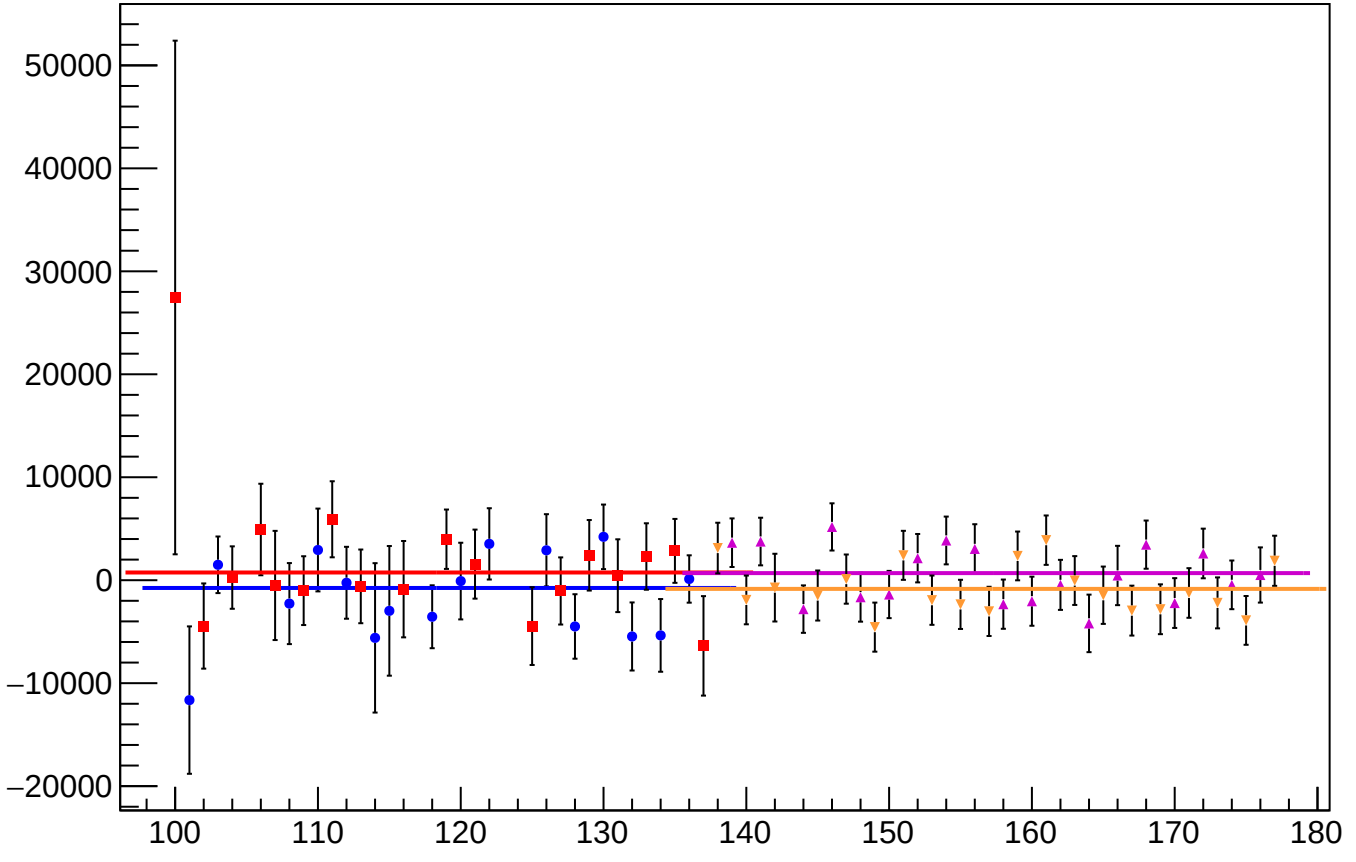
Left In: 133.971+/-0.025 χ^2/NDF:1912865.3/18

+ sign 142.190+/-0.023 χ^2/NDF: 7541423.0/35

All: 139.703+/-0.016 χ^2/NDF: 15737426.0/72

- sign 137.251+/-0.023 χ^2/NDF: 8173475.6/36

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -842.691+/-547.038 χ^2/NDF:19.4/19

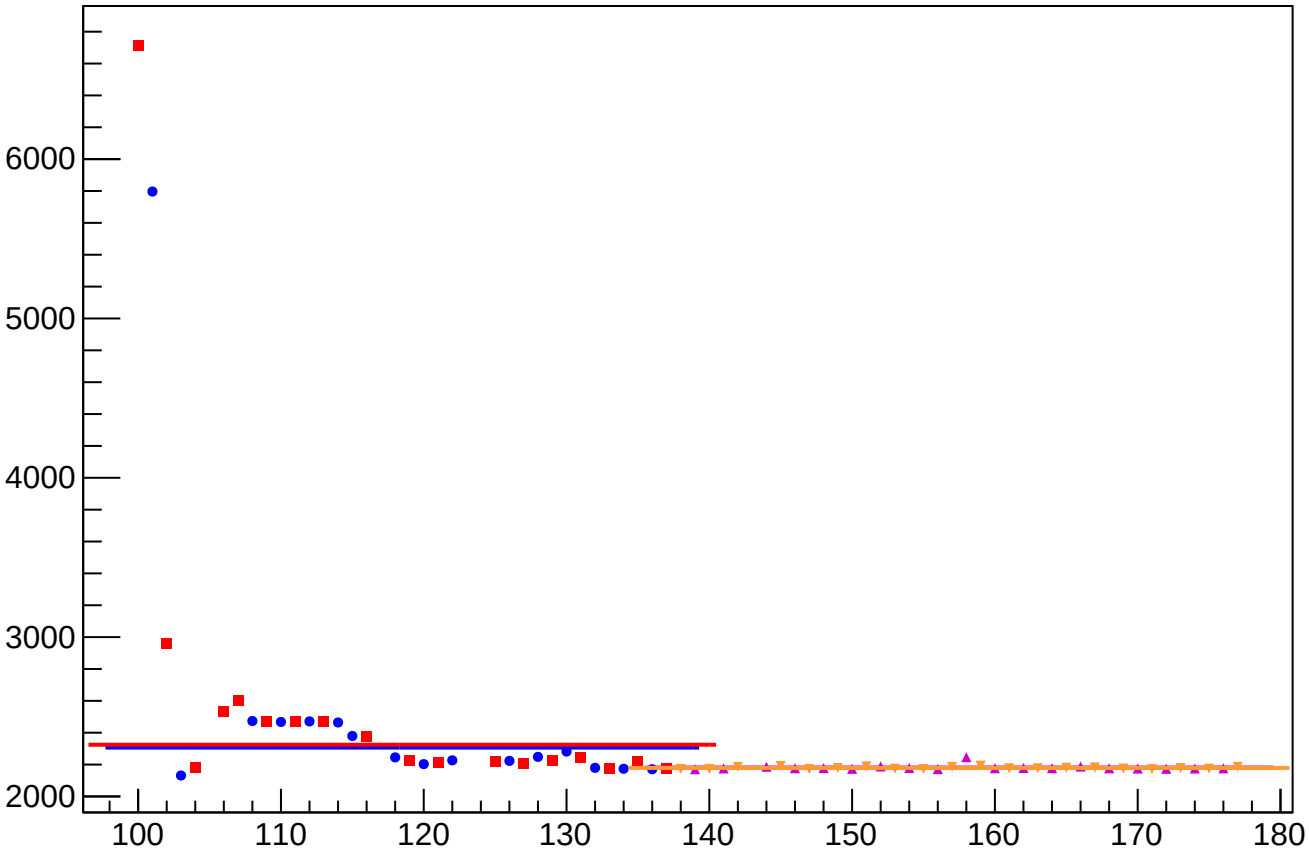
Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 689.896+/-553.313 χ^2/NDF:24.3/18

+ sign -817.479+/-463.498 χ^2/NDF: 35.2/35

All: -60.620+/-328.900 χ^2/NDF: 77.8/72

- sign 707.027+/-466.789 χ^2/NDF: 37.2/36



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.030+/-0.387 χ^2/NDF:296.6/19

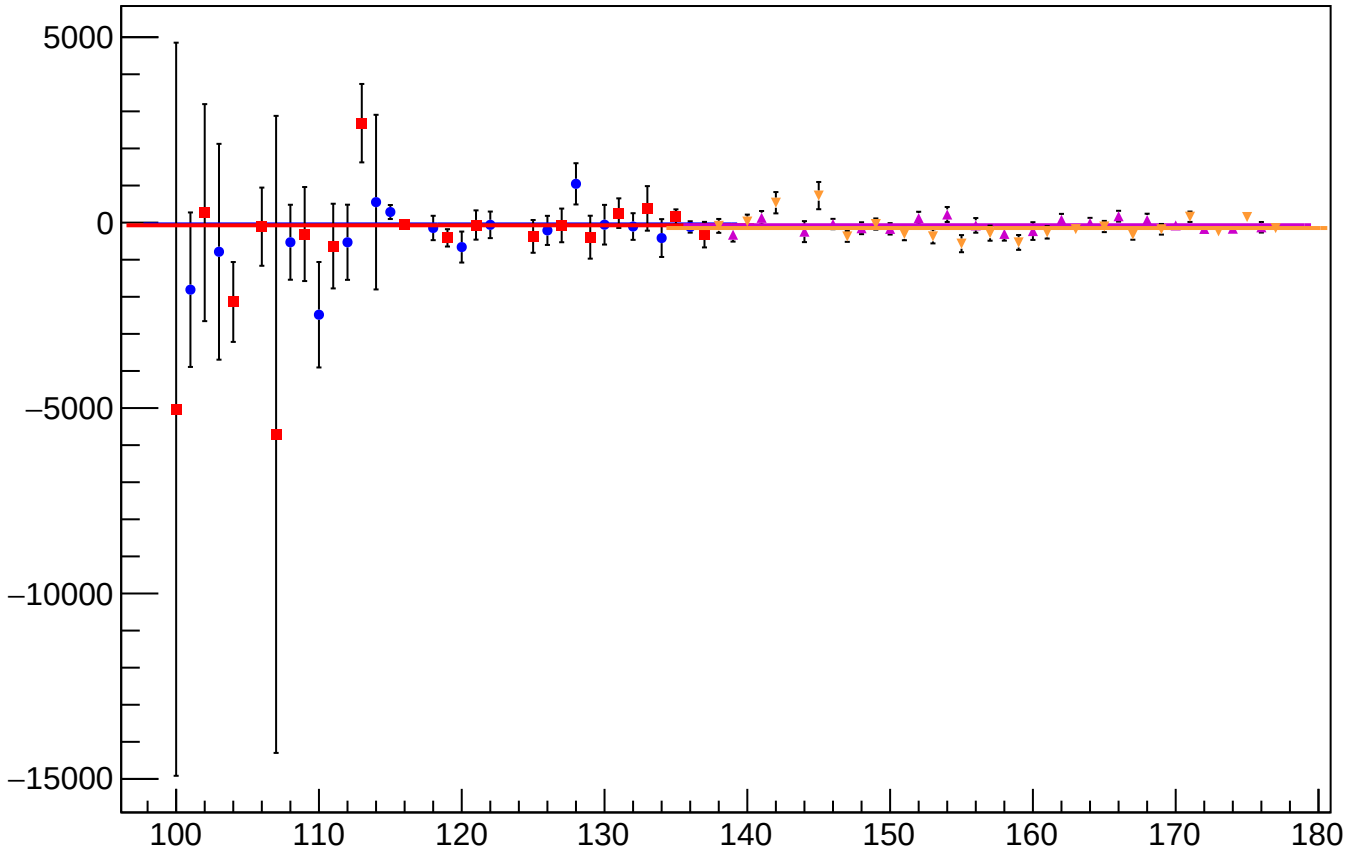
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

+ sign 2215.031+/-0.328 χ^2/NDF: 545151.3/35

All: 2218.814+/-0.233 χ^2/NDF: 739413.6/72

- sign 2222.650+/-0.330 χ^2/NDF: 193993.9/36



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -146.061+/-35.445 χ^2/NDF:39.4/19

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

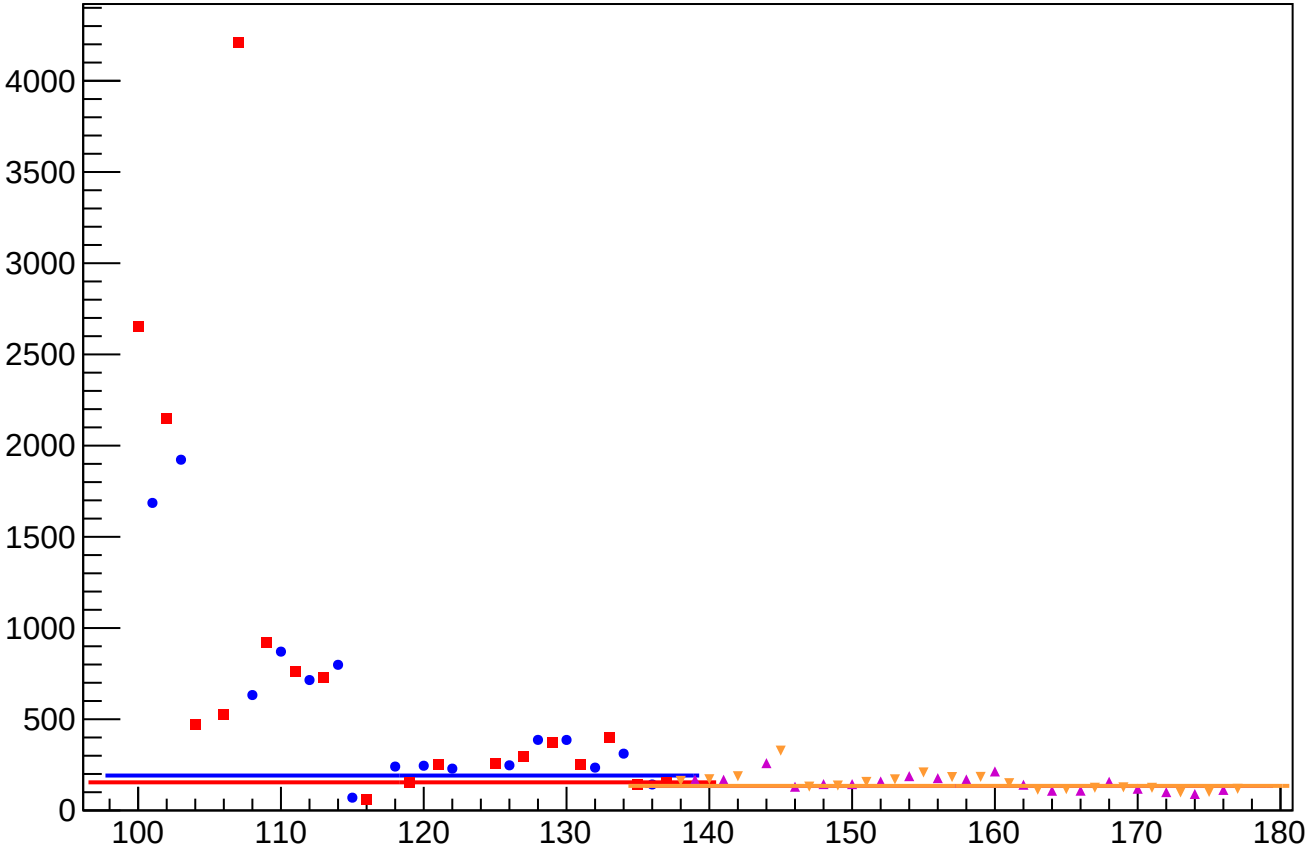
Left In: -70.543+/-35.745 χ^2/NDF:15.7/18

+ sign -133.118+/-33.024 χ^2/NDF: 54.7/35

All: -101.738+/-23.268 χ^2/NDF: 89.6/72

- sign -70.806+/-32.788 χ^2/NDF: 33.1/36

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 134.712+/-0.025 χ^2/NDF:1802134.0/19

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

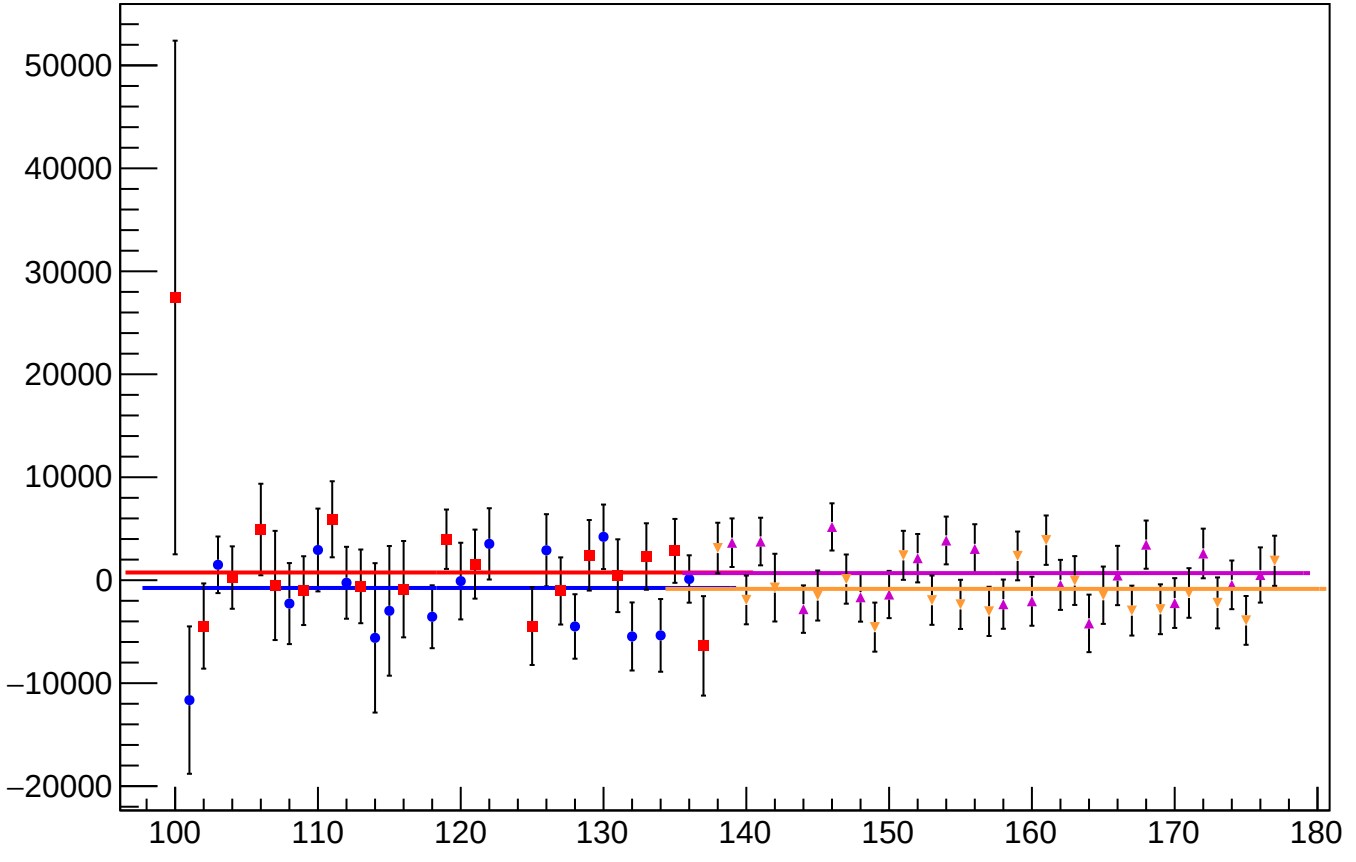
Left In: 133.981+/-0.025 χ^2/NDF:1913045.9/18

+ sign 142.192+/-0.023 χ^2/NDF: 7540758.8/35

All: 139.666+/-0.016 χ^2/NDF: 15686417.4/72

- sign 137.176+/-0.023 χ^2/NDF: 8122424.6/36

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -842.691+/-547.038 χ^2/NDF:19.4/19

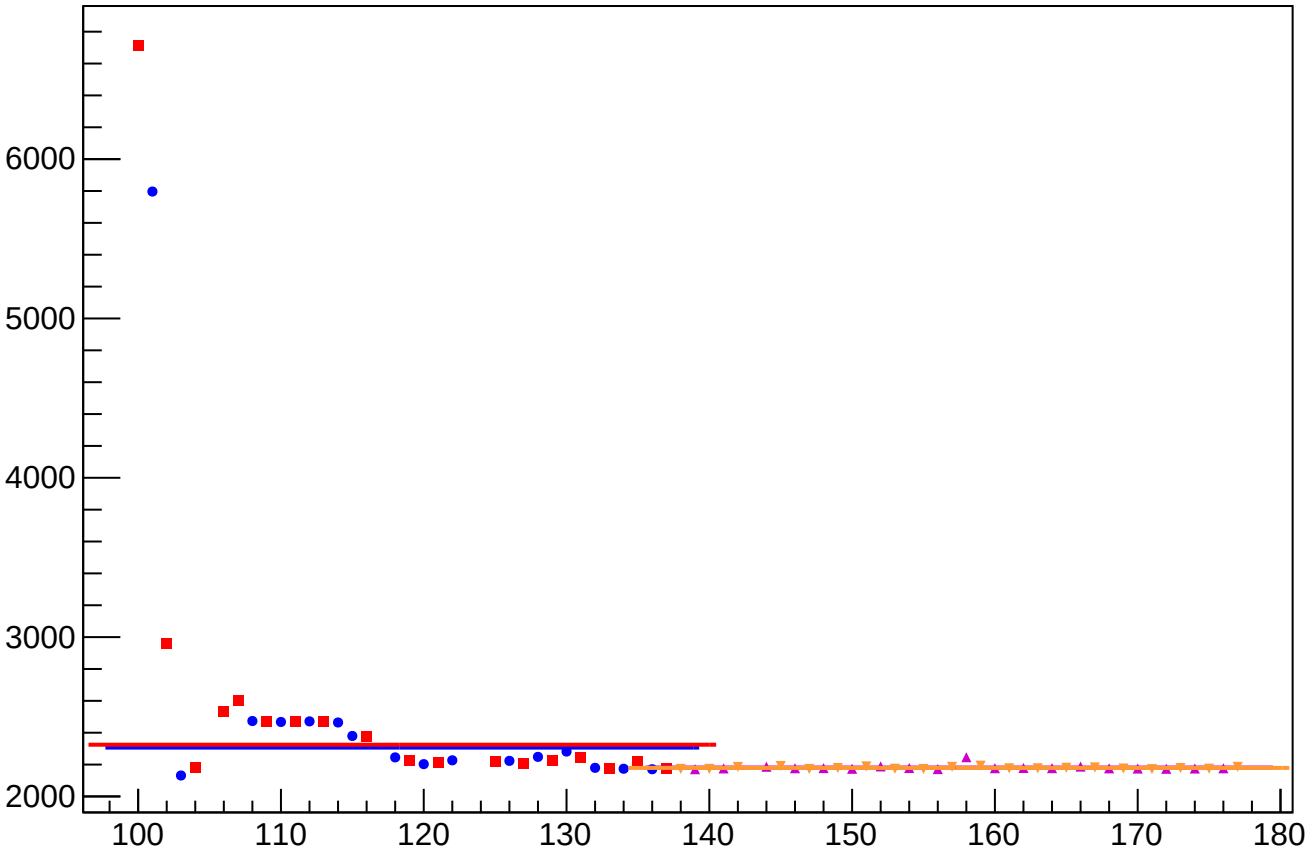
Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: 689.896+/-553.313 χ^2/NDF:24.3/18

+ sign -817.479+/-463.498 χ^2/NDF: 35.2/35

All: -60.620+/-328.900 χ^2/NDF: 77.8/72

- sign 707.027+/-466.789 χ^2/NDF: 37.2/36



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.030+/-0.387 χ^2/NDF:296.6/19

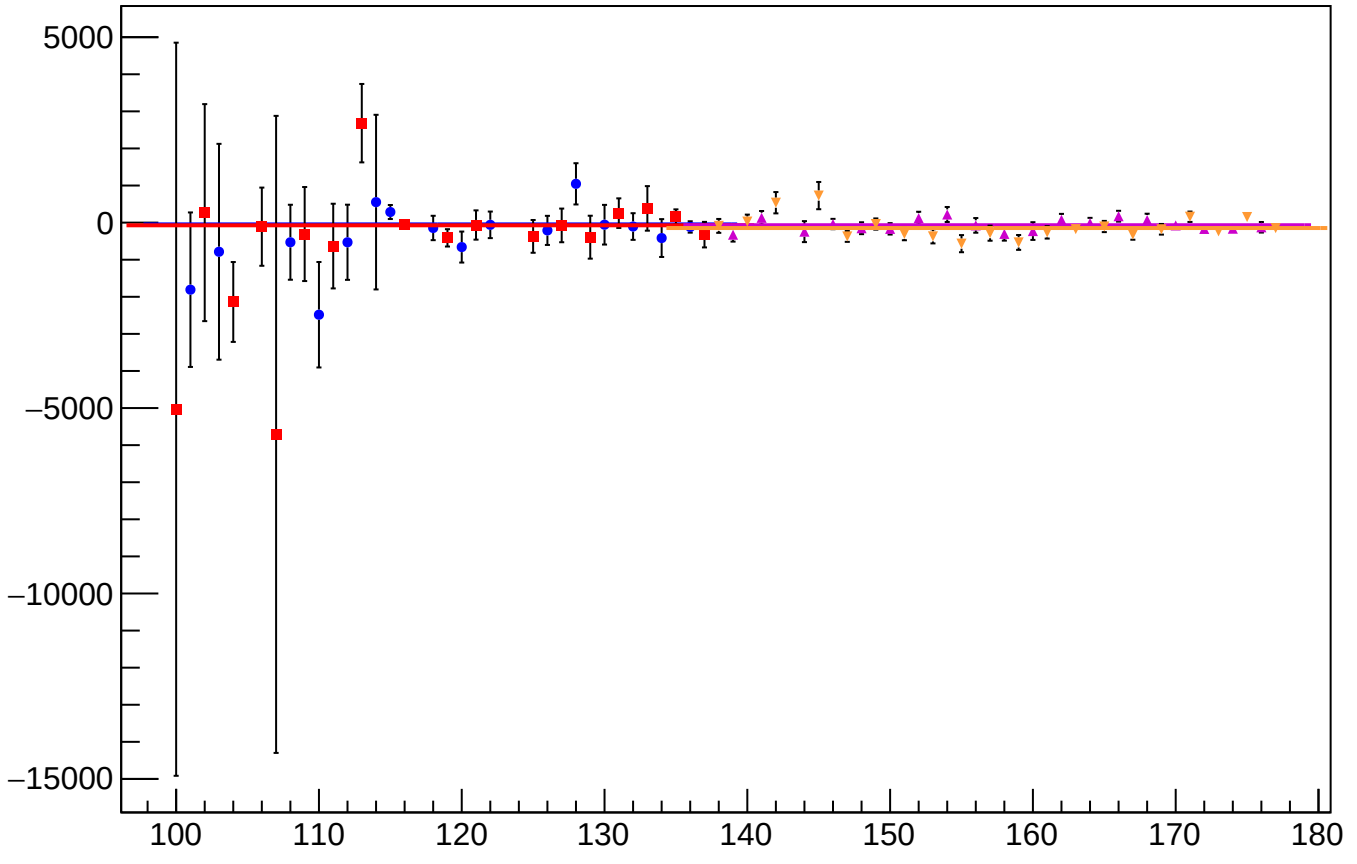
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

+ sign 2215.031+/-0.328 χ^2/NDF: 545151.3/35

All: 2218.814+/-0.233 χ^2/NDF: 739413.6/72

- sign 2222.650+/-0.330 χ^2/NDF: 193993.9/36



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -146.061+/-35.445 χ^2/NDF:39.4/19

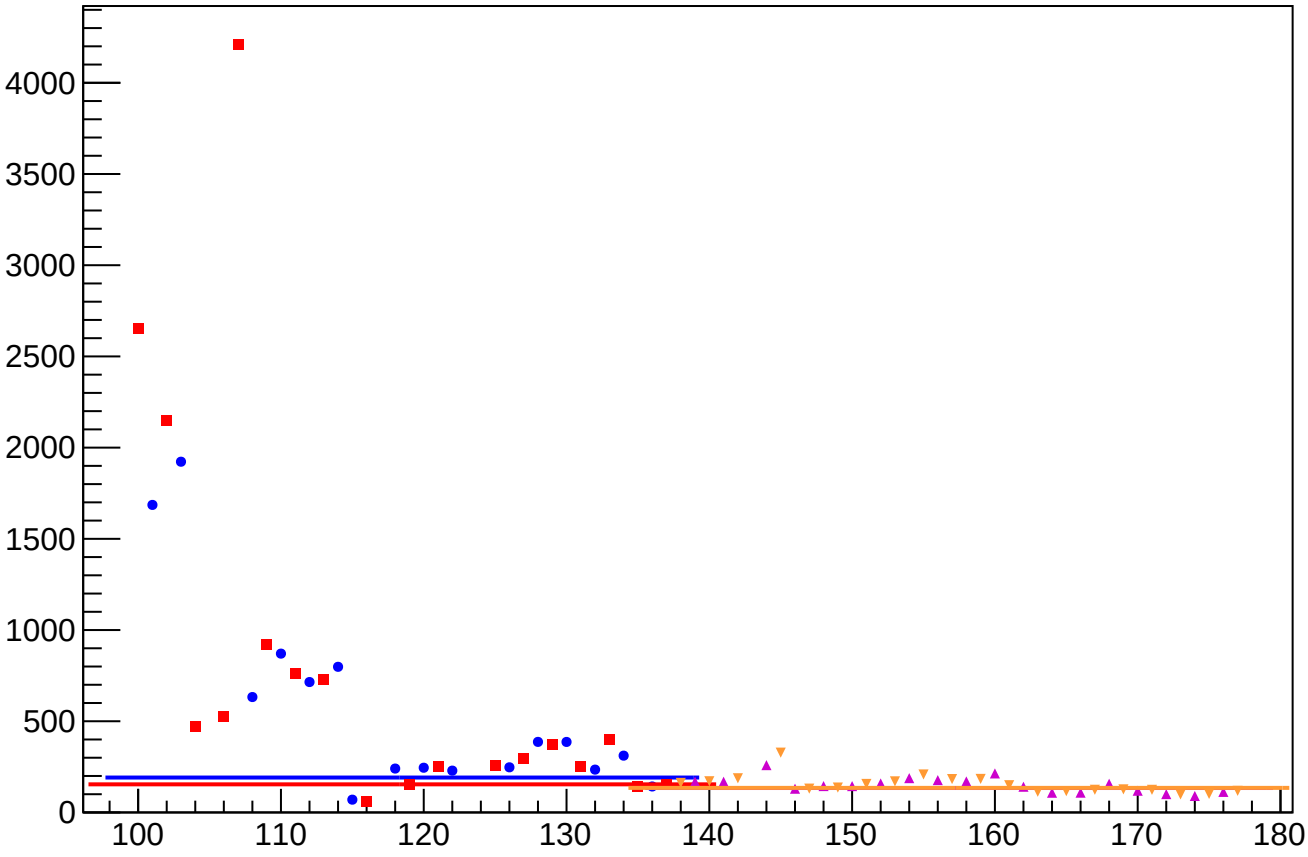
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -70.543+/-35.745 χ^2/NDF:15.7/18

+ sign -133.118+/-33.024 χ^2/NDF: 54.7/35

All: -101.738+/-23.268 χ^2/NDF: 89.6/72

- sign -70.806+/-32.788 χ^2/NDF: 33.1/36



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 134.712+/-0.025 χ^2/NDF:1802134.0/19

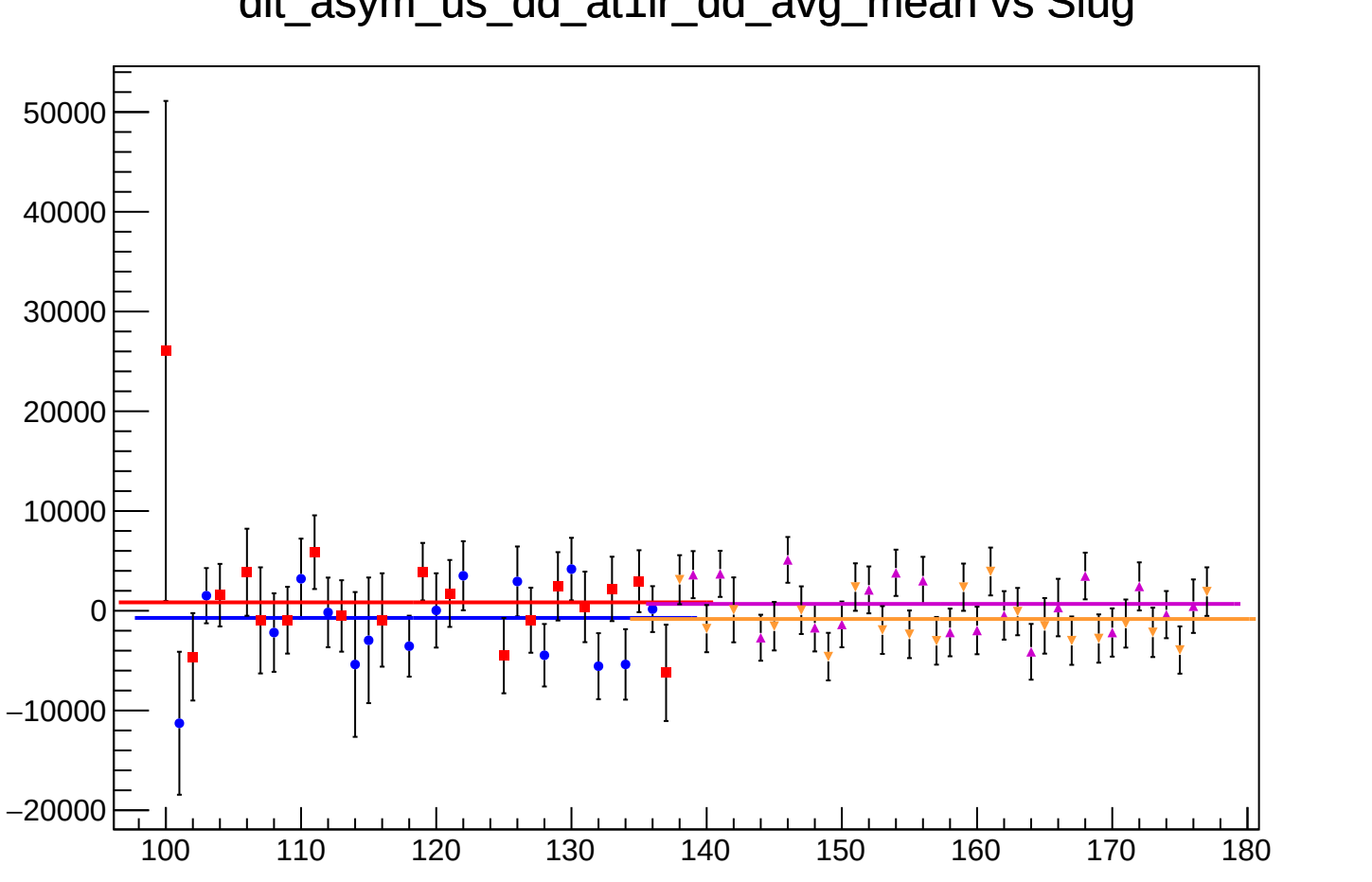
Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 133.981+/-0.025 χ^2/NDF:1913045.9/18

+ sign 142.192+/-0.023 χ^2/NDF: 7540758.8/35

All: 139.666+/-0.016 χ^2/NDF: 15686417.4/72

- sign 137.176+/-0.023 χ^2/NDF: 8122424.6/36



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -825.289+/-547.069 χ^2/NDF:19.5/19

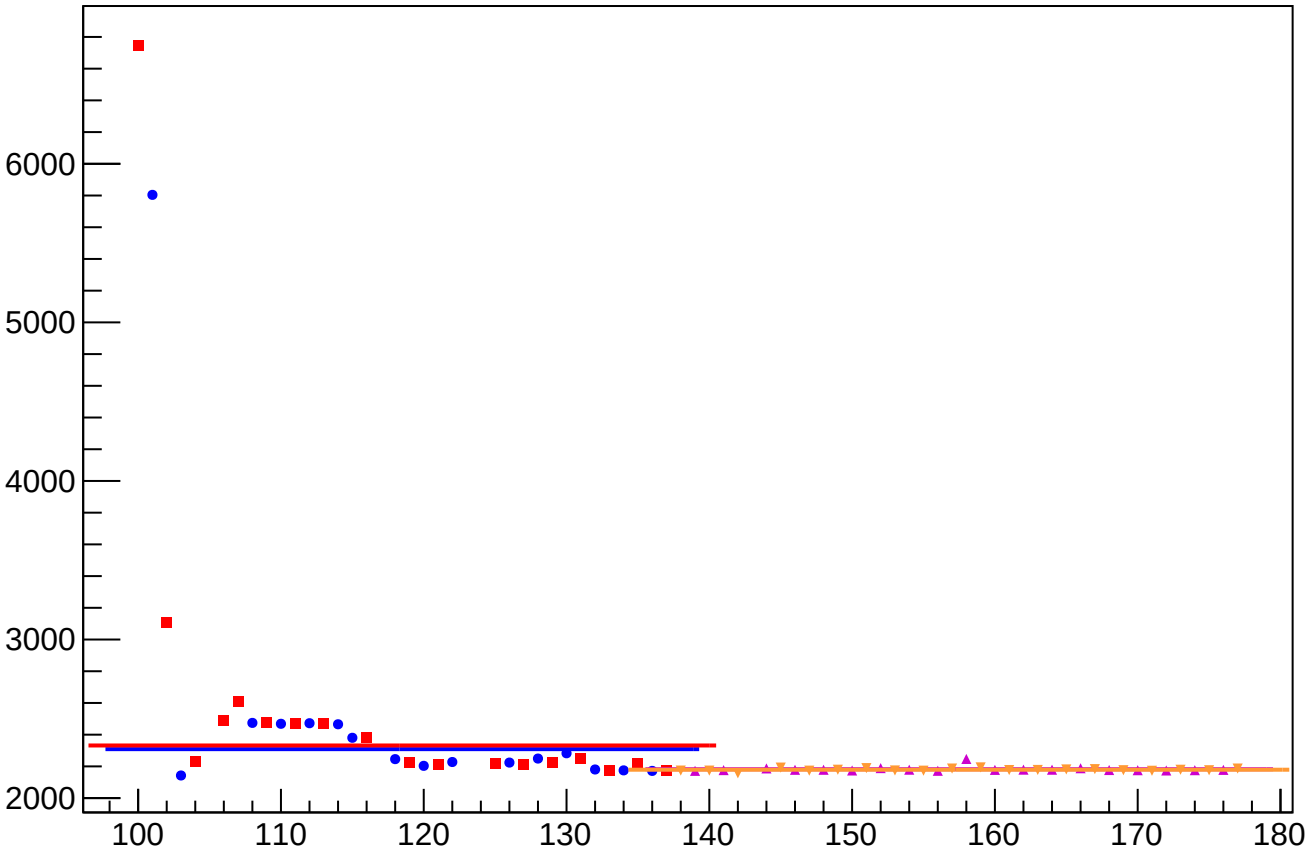
Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: 684.425+/-553.515 χ^2/NDF:23.5/18

\+ sign -794.821+/-463.649 χ^2/NDF: 35.4/35

All: -39.009+/-329.224 χ^2/NDF: 76.4/72

\- sign 729.609+/-467.561 χ^2/NDF: 35.7/36



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.993+/-0.387 χ^2/NDF:391.2/19

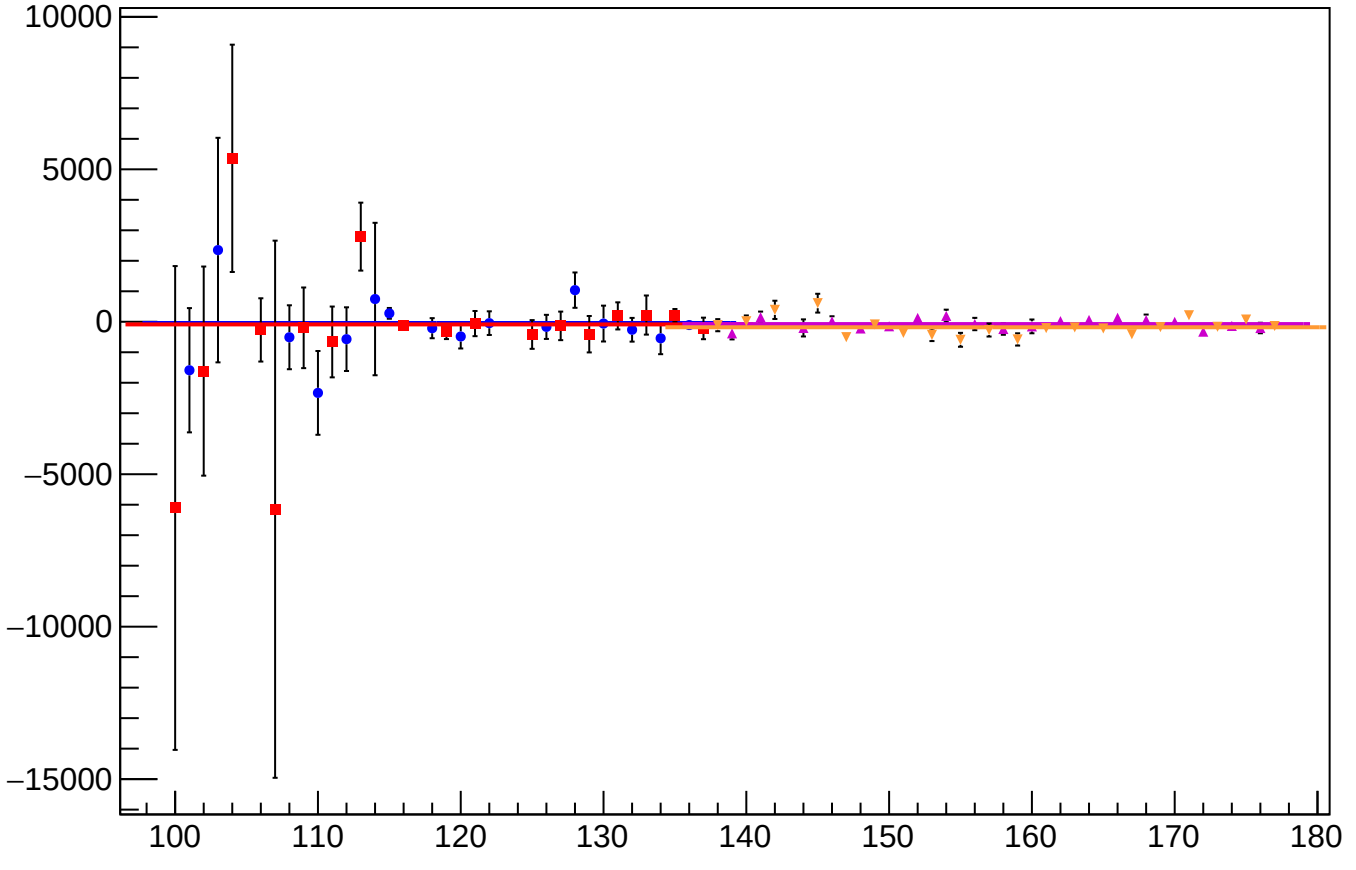
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.114+/-0.391 χ^2/NDF:1697.8/18

+ sign 2215.545+/-0.328 χ^2/NDF: 545825.5/35

All: 2220.236+/-0.233 χ^2/NDF: 757184.4/72

- sign 2225.007+/-0.331 χ^2/NDF: 210945.9/36



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -179.843+/-36.769 χ^2/NDF:39.6/19

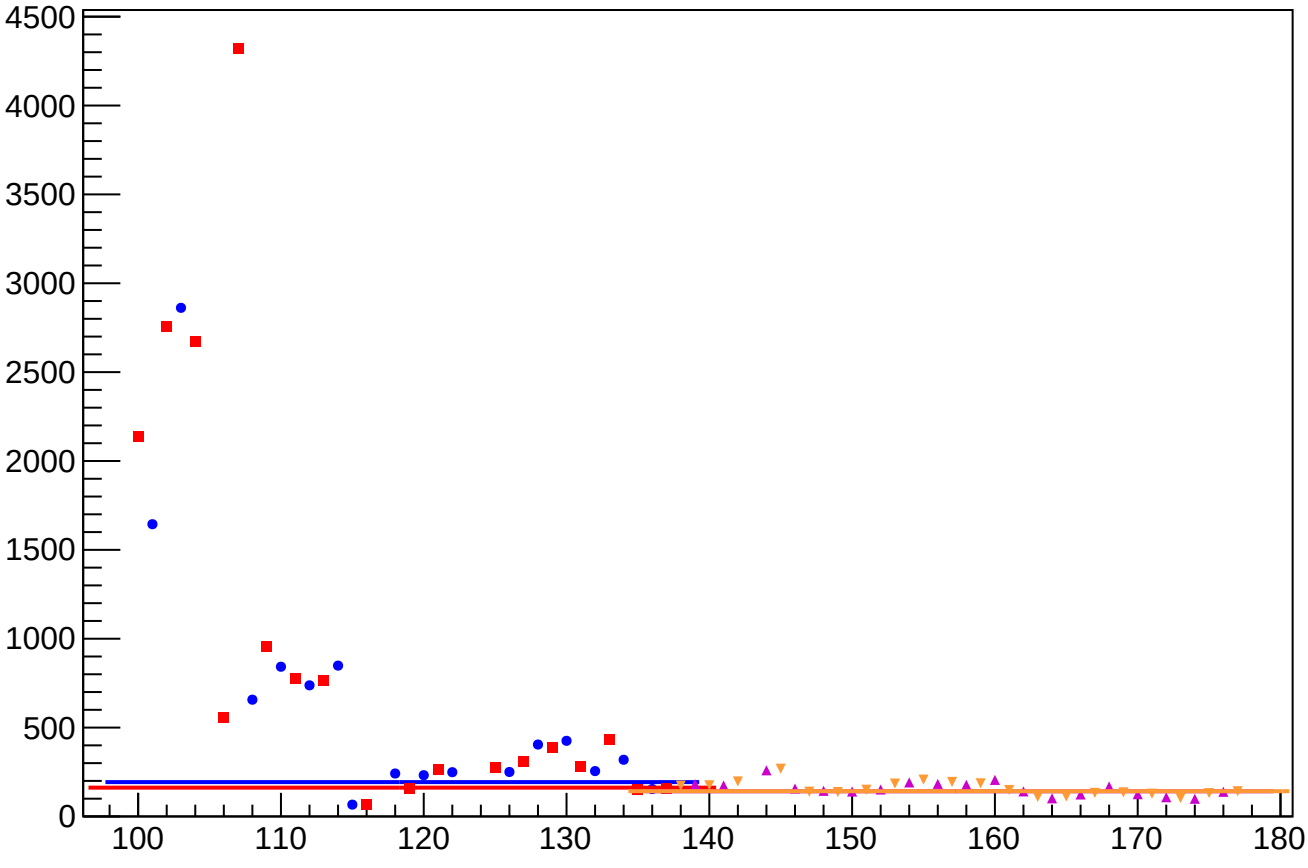
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -75.577+/-37.090 χ^2/NDF:18.4/18

+ sign -160.745+/-34.164 χ^2/NDF: 55.7/35

All: -118.883+/-24.122 χ^2/NDF: 92.1/72

- sign -77.268+/-34.063 χ^2/NDF: 33.4/36



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 142.102+/-0.026 χ^2/NDF:1476940.1/19

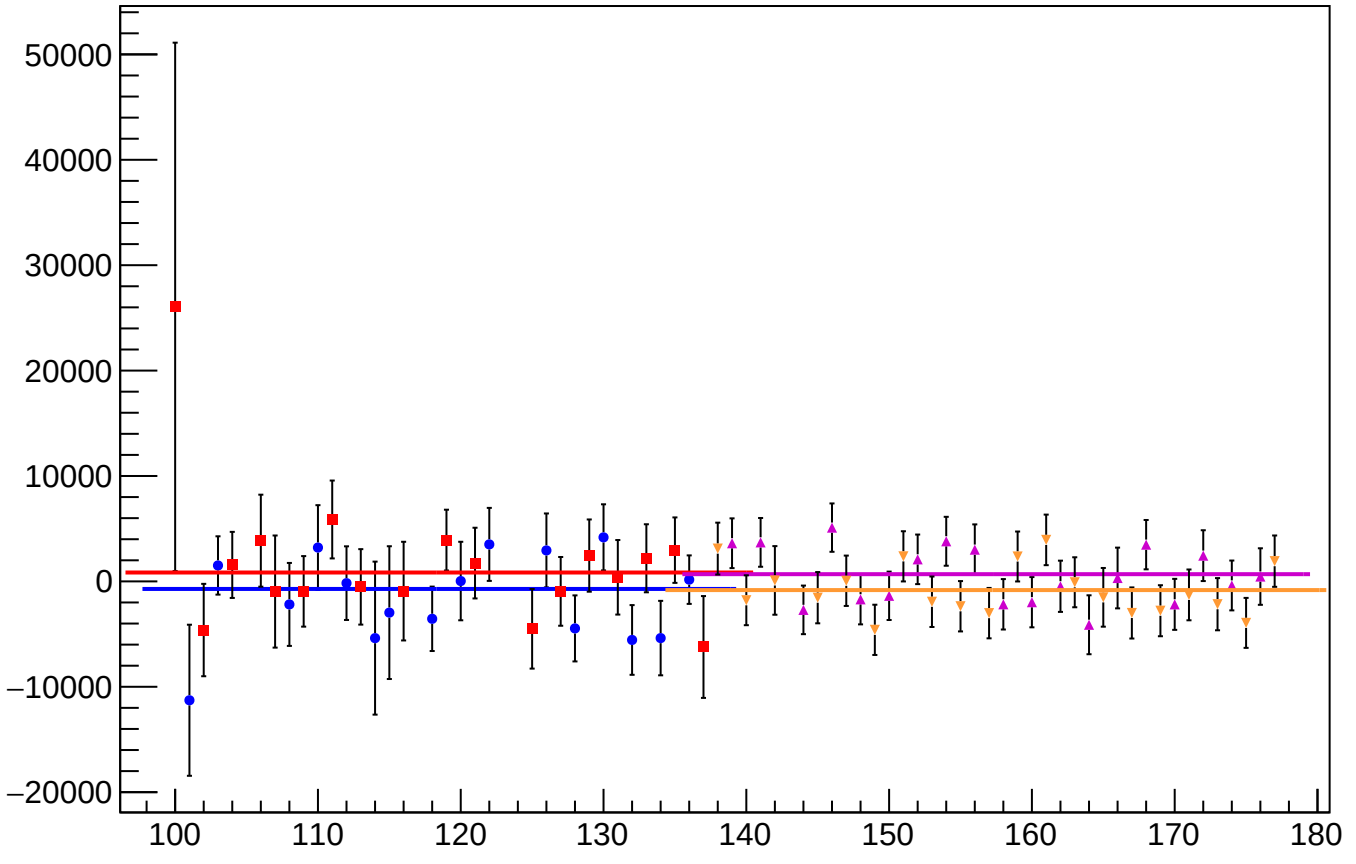
Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 141.562+/-0.026 χ^2/NDF:1694117.0/18

+ sign 149.093+/-0.024 χ^2/NDF: 7623869.8/35

All: 146.930+/-0.017 χ^2/NDF: 16500605.6/72

- sign 144.780+/-0.024 χ^2/NDF: 8860745.7/36



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -825.291+/-547.069 χ^2/NDF:19.5/19

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

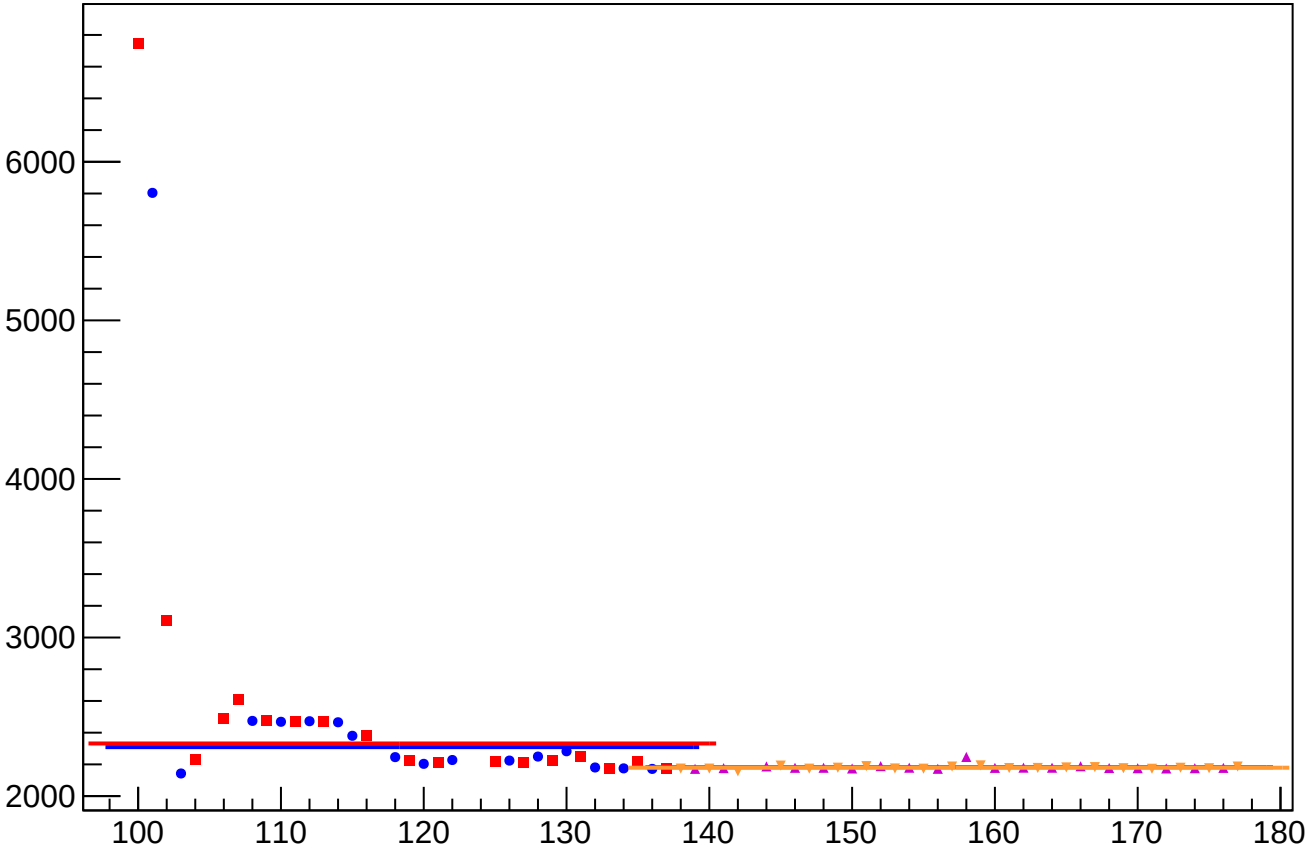
Left In: 684.424+/-553.515 χ^2/NDF:23.5/18

+ sign -794.822+/-463.649 χ^2/NDF: 35.4/35

All: -39.010+/-329.224 χ^2/NDF: 76.4/72

- sign 729.609+/-467.561 χ^2/NDF: 35.7/36

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.993+/-0.387 χ^2/NDF:391.2/19

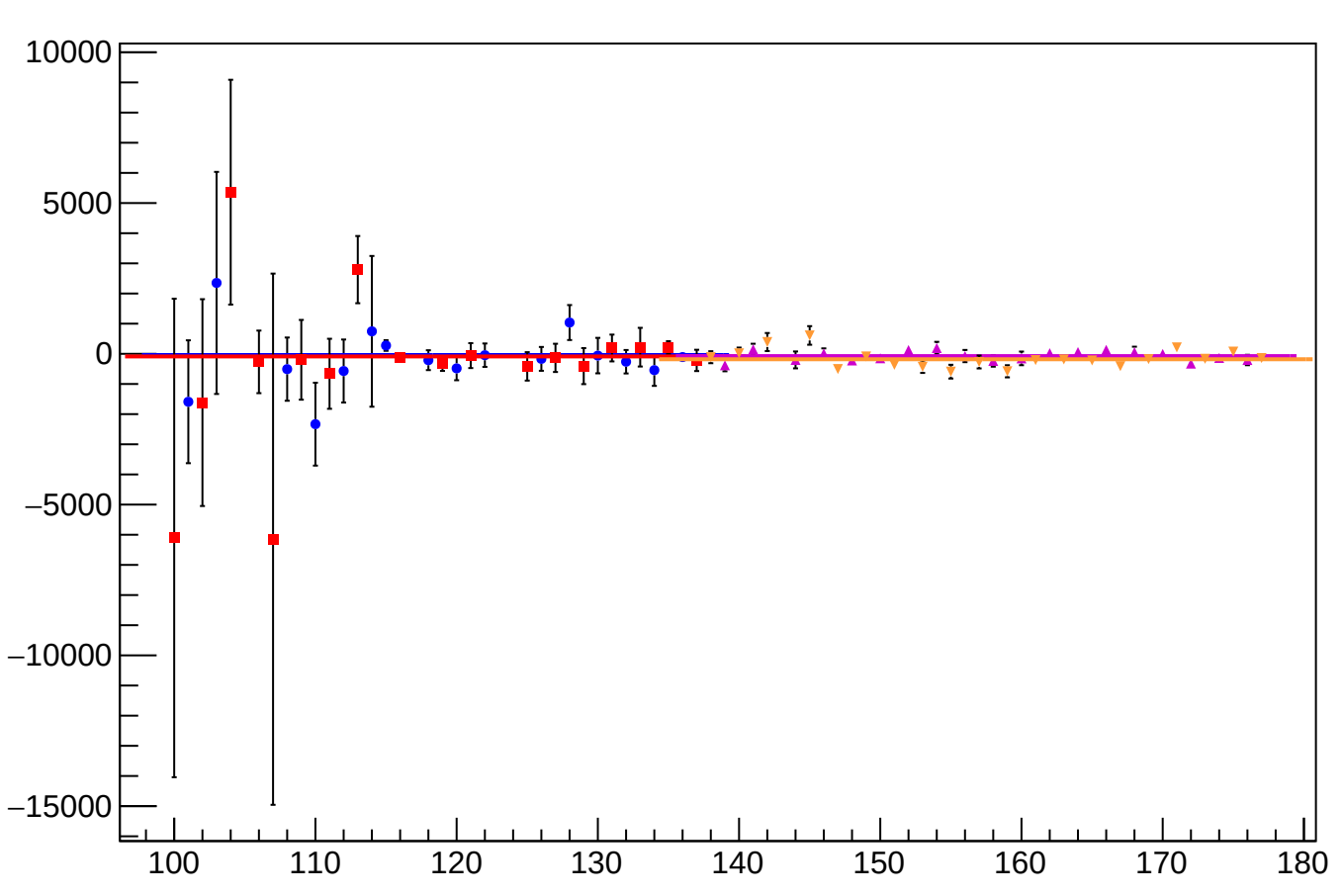
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.114+/-0.391 χ^2/NDF:1697.8/18

+ sign 2215.545+/-0.328 χ^2/NDF: 545825.5/35

All: 2220.236+/-0.233 χ^2/NDF: 757184.3/72

- sign 2225.007+/-0.331 χ^2/NDF: 210945.8/36



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -179.844+/-36.769 χ^2/NDF:39.6/19

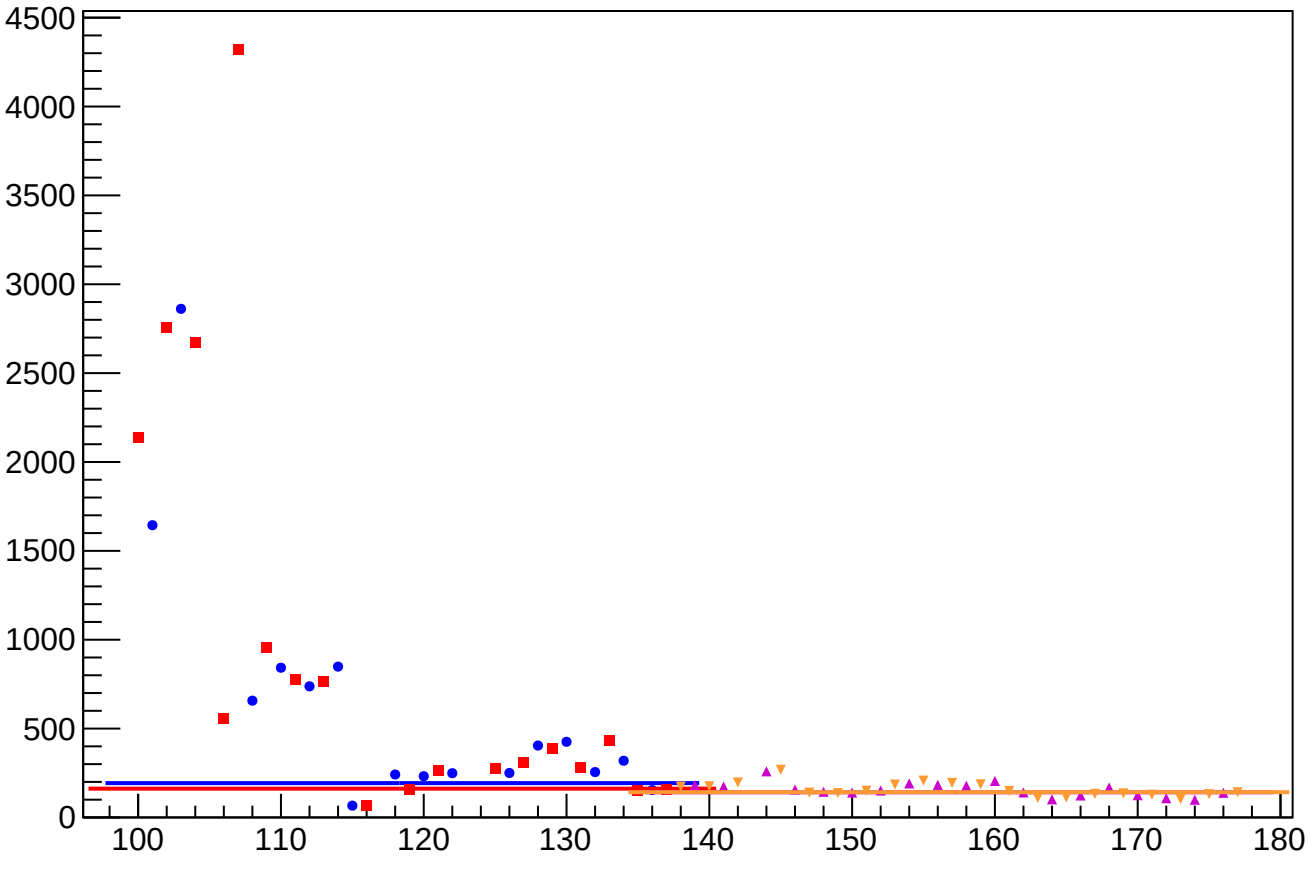
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -75.576+/-37.090 χ^2/NDF:18.4/18

+ sign -160.745+/-34.164 χ^2/NDF: 55.7/35

All: -118.883+/-24.122 χ^2/NDF: 92.1/72

- sign -77.267+/-34.063 χ^2/NDF: 33.4/36



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 142.102+/-0.026 χ^2/NDF:1476948.5/19

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

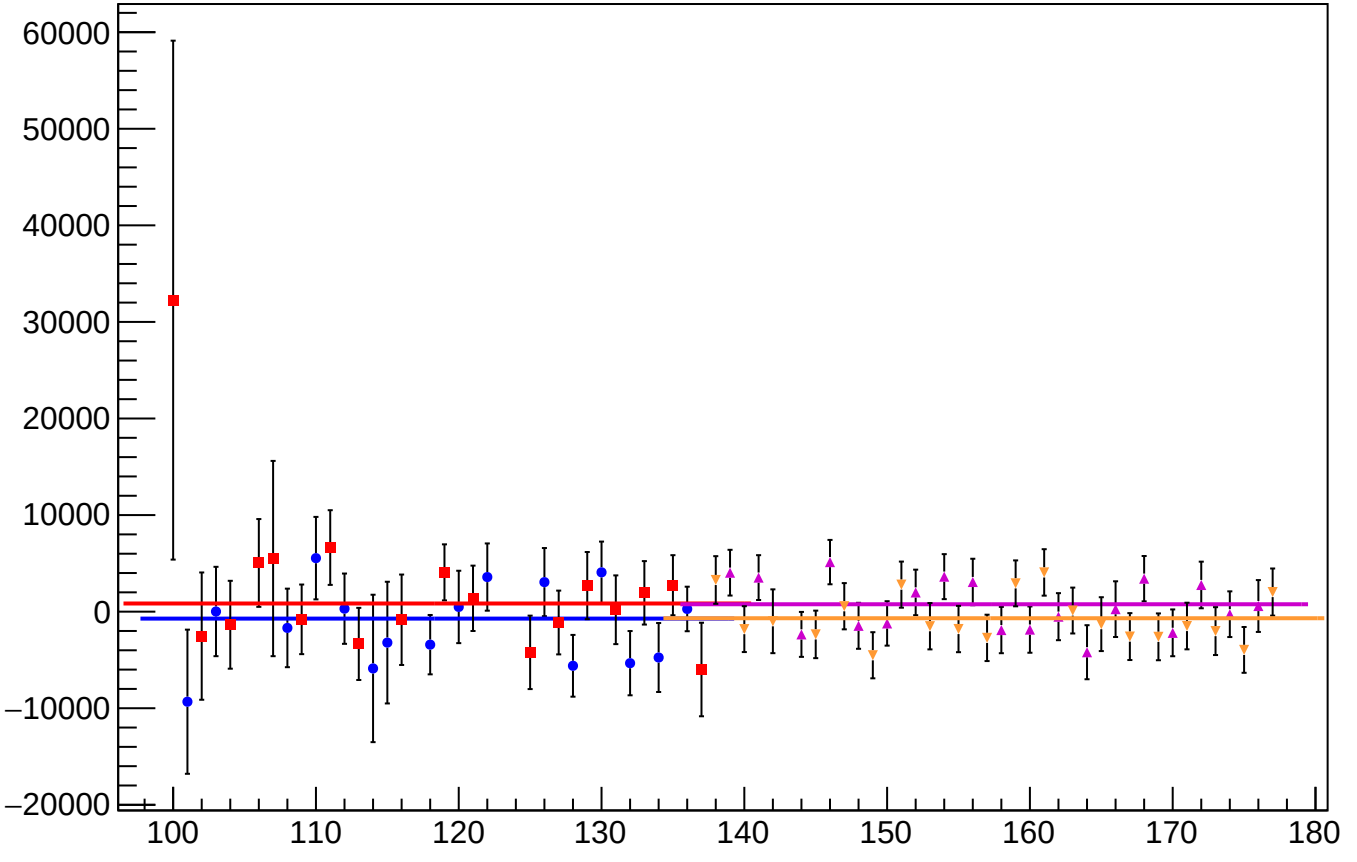
Left In: 141.562+/-0.026 χ^2/NDF:1694147.3/18

+ sign 149.093+/-0.024 χ^2/NDF: 7623872.5/35

All: 146.930+/-0.017 χ^2/NDF: 16500675.8/72

- sign 144.780+/-0.024 χ^2/NDF: 8860812.9/36

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -681.455+/-548.768 χ^2/NDF:20.4/19

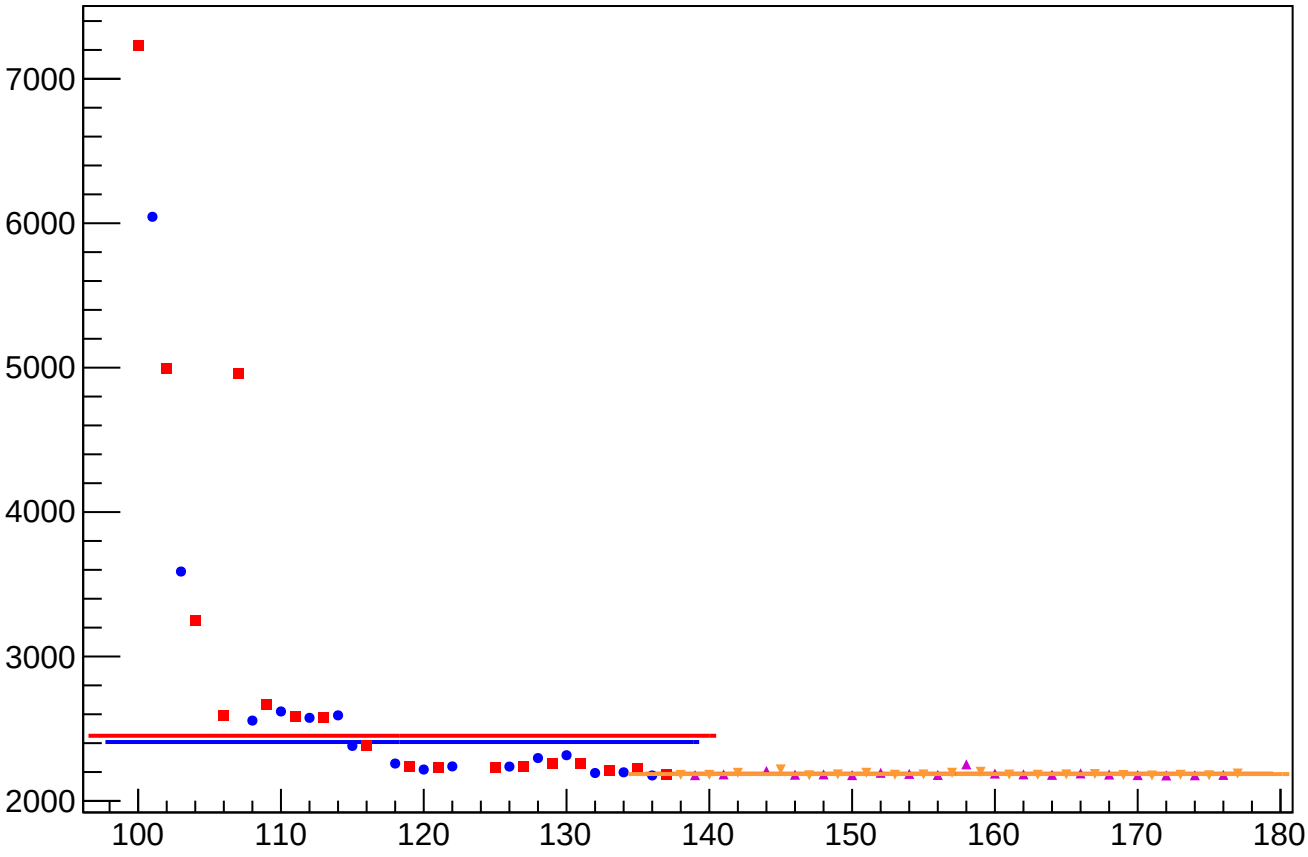
Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: 766.593+/-555.036 χ^2/NDF:22.6/18

+ sign -691.517+/-470.784 χ^2/NDF: 36.2/35

All: 39.011+/-334.874 χ^2/NDF: 76.7/72

- sign 787.178+/-476.434 χ^2/NDF: 35.5/36



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.909+/-0.388 χ^2/NDF:660.0/19

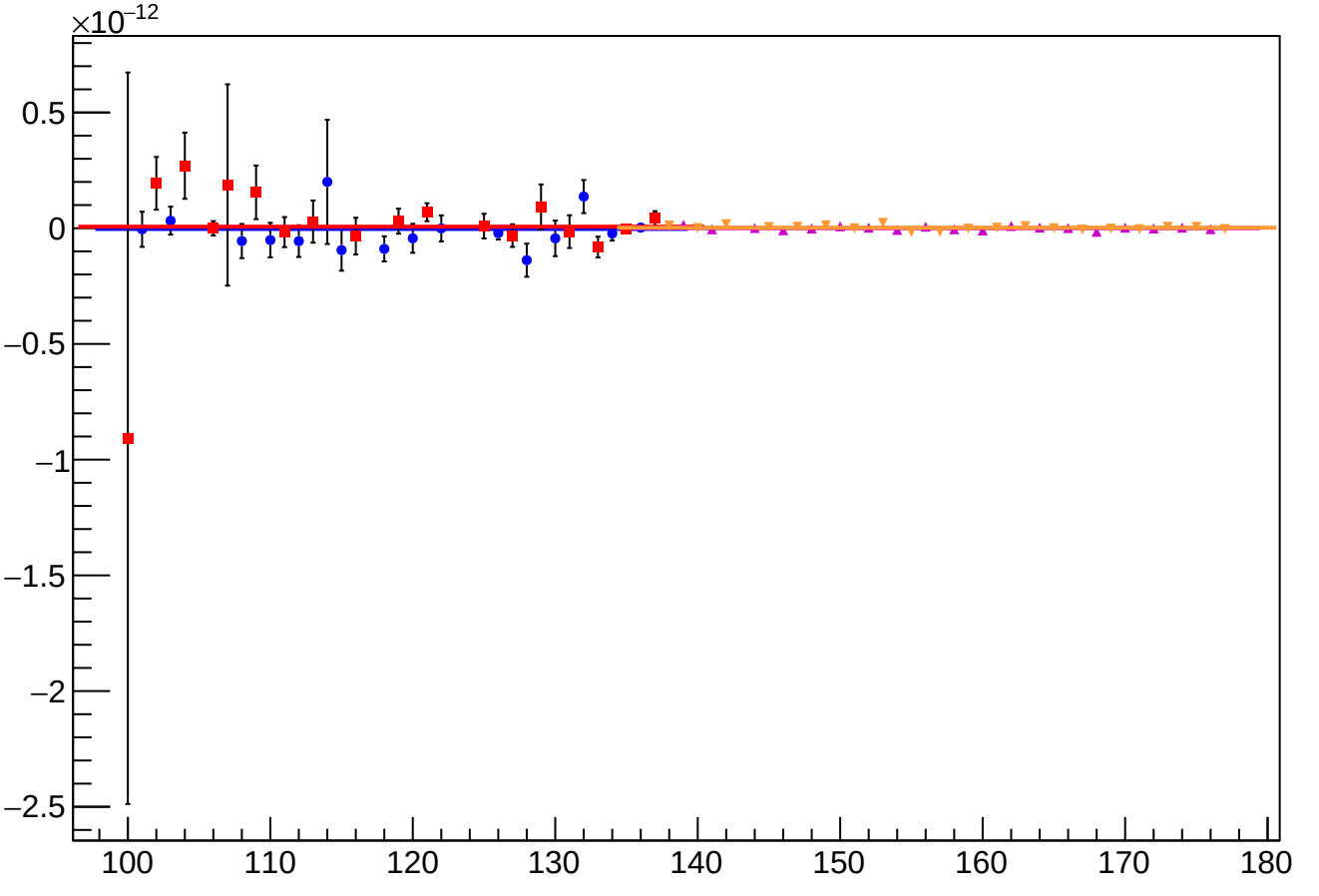
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.104+/-0.392 χ^2/NDF:1915.0/18

+ sign 2244.491+/-0.333 χ^2/NDF: 763878.5/35

All: 2250.840+/-0.237 χ^2/NDF: 1518388.6/72

- sign 2257.343+/-0.337 χ^2/NDF: 753773.8/36



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/19

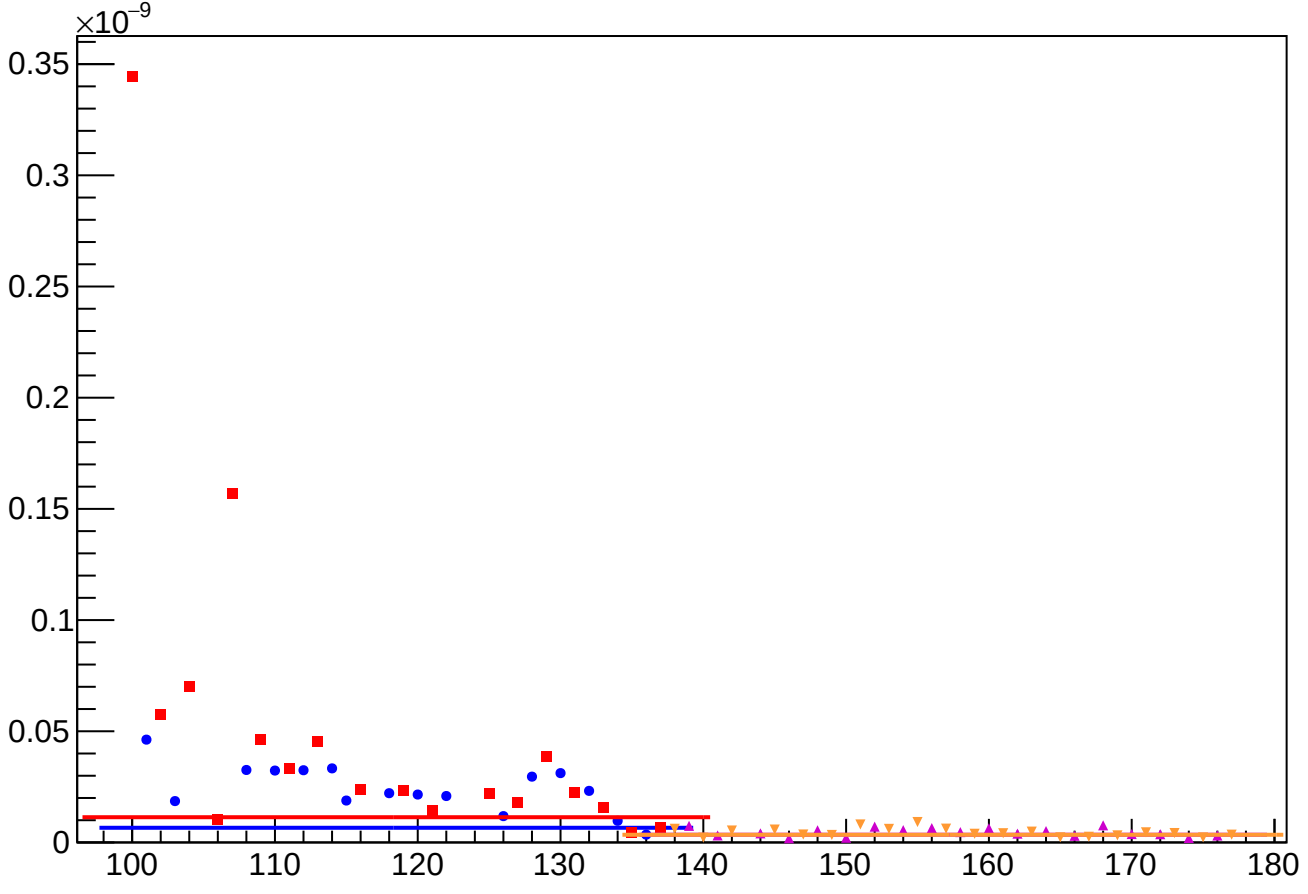
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:12.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/35

All: 0.000+/-0.000 χ^2/NDF: 66.0/72

- sign 0.000+/-0.000 χ^2/NDF: 32.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636430.6/19

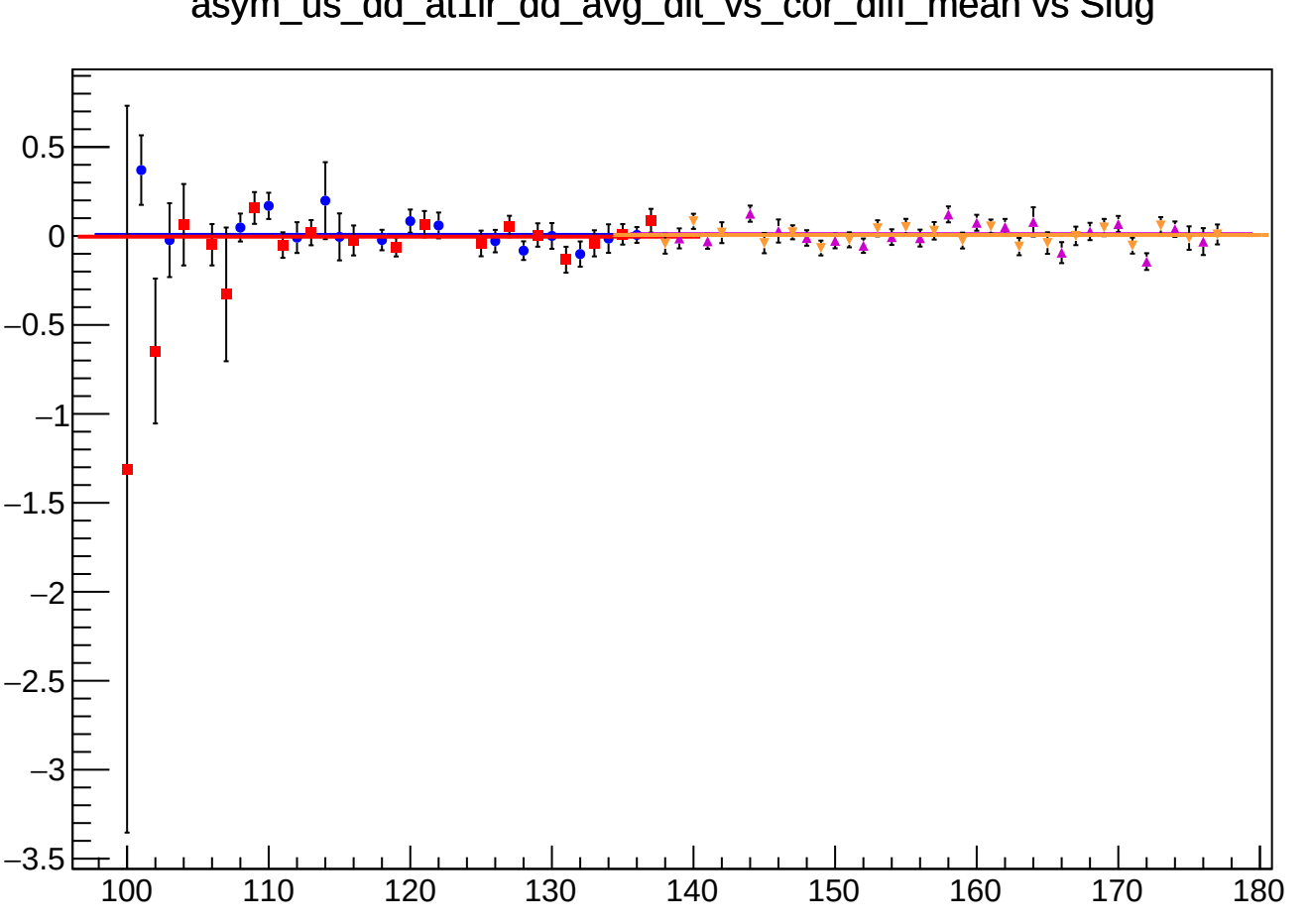
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1571678.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 4961499.0/35

All: 0.000+/-0.000 χ^2/NDF: 10494029.6/72

- sign 0.000+/-0.000 χ^2/NDF: 5531138.5/36



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/19

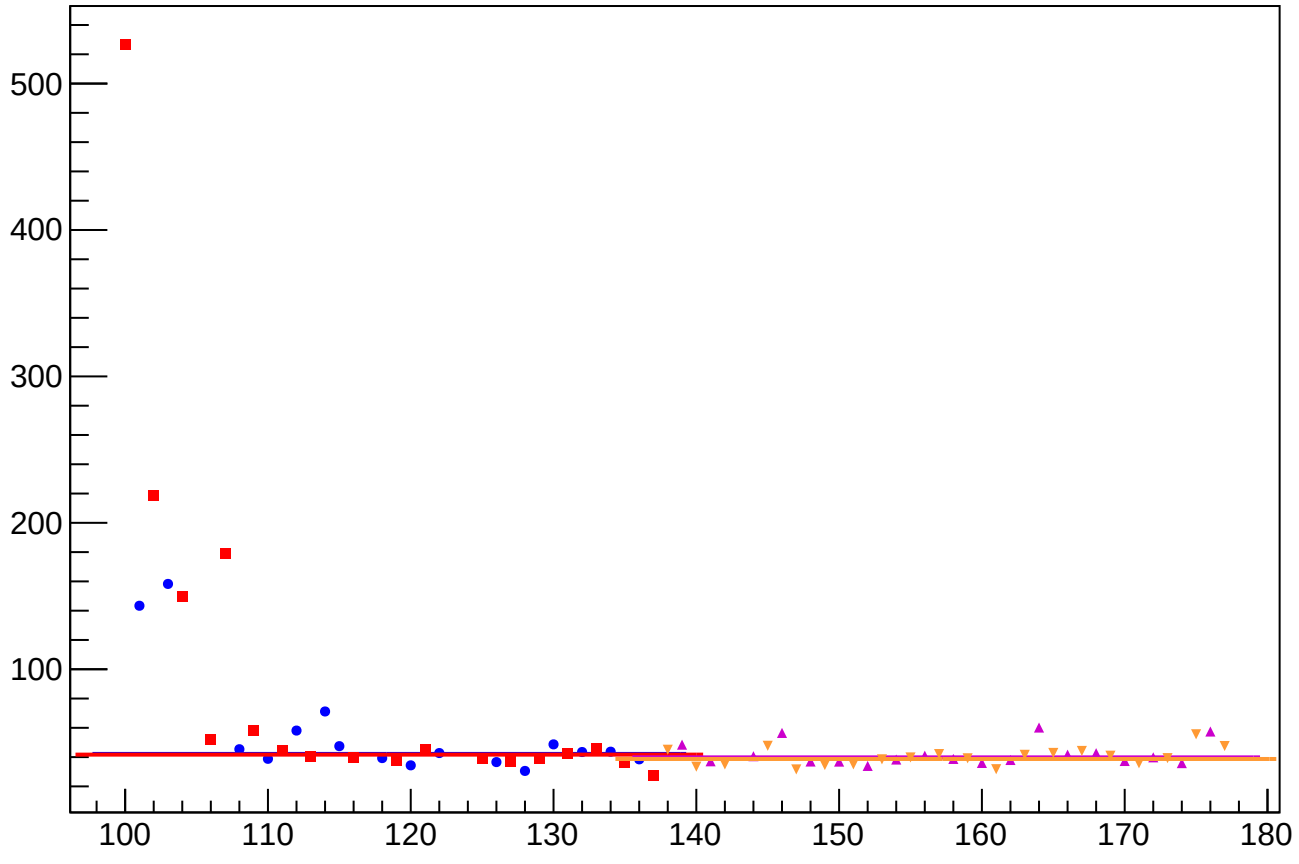
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.010+/-0.011 χ^2/NDF:37.4/18

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/35

All: 0.006+/-0.007 χ^2/NDF: 89.8/72

- sign 0.007+/-0.009 χ^2/NDF: 54.1/36



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.722+/-0.008 χ^2/NDF:520864.2/19

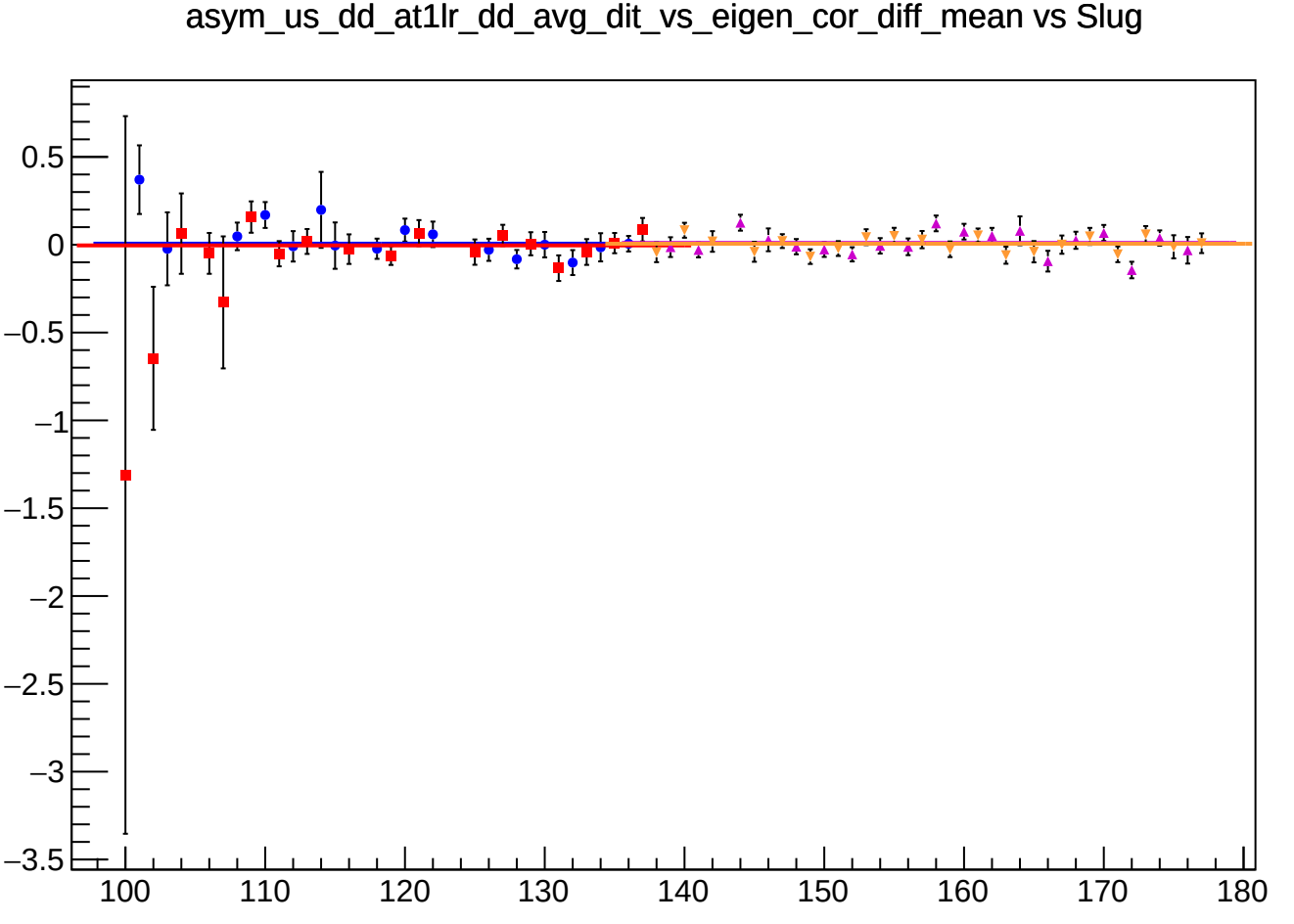
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.823+/-0.008 χ^2/NDF:533227.0/18

+ sign 39.600+/-0.007 χ^2/NDF: 2028225.4/35

All: 39.945+/-0.005 χ^2/NDF: 4023363.5/72

- sign 40.309+/-0.007 χ^2/NDF: 1989392.7/36



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/19

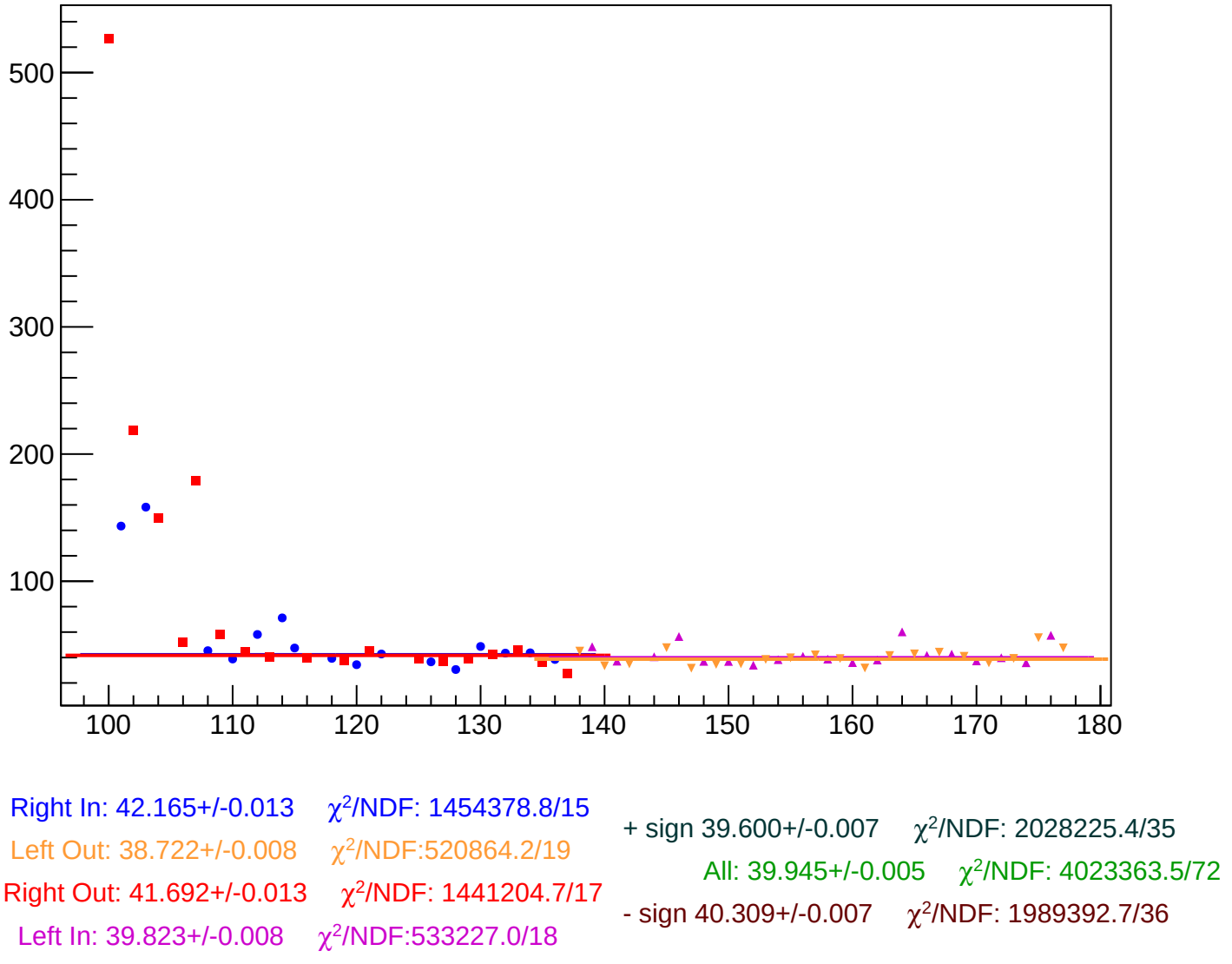
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.010+/-0.011 χ^2/NDF:37.4/18

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/35

All: 0.006+/-0.007 χ^2/NDF: 89.8/72

- sign 0.007+/-0.009 χ^2/NDF: 54.1/36


asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug
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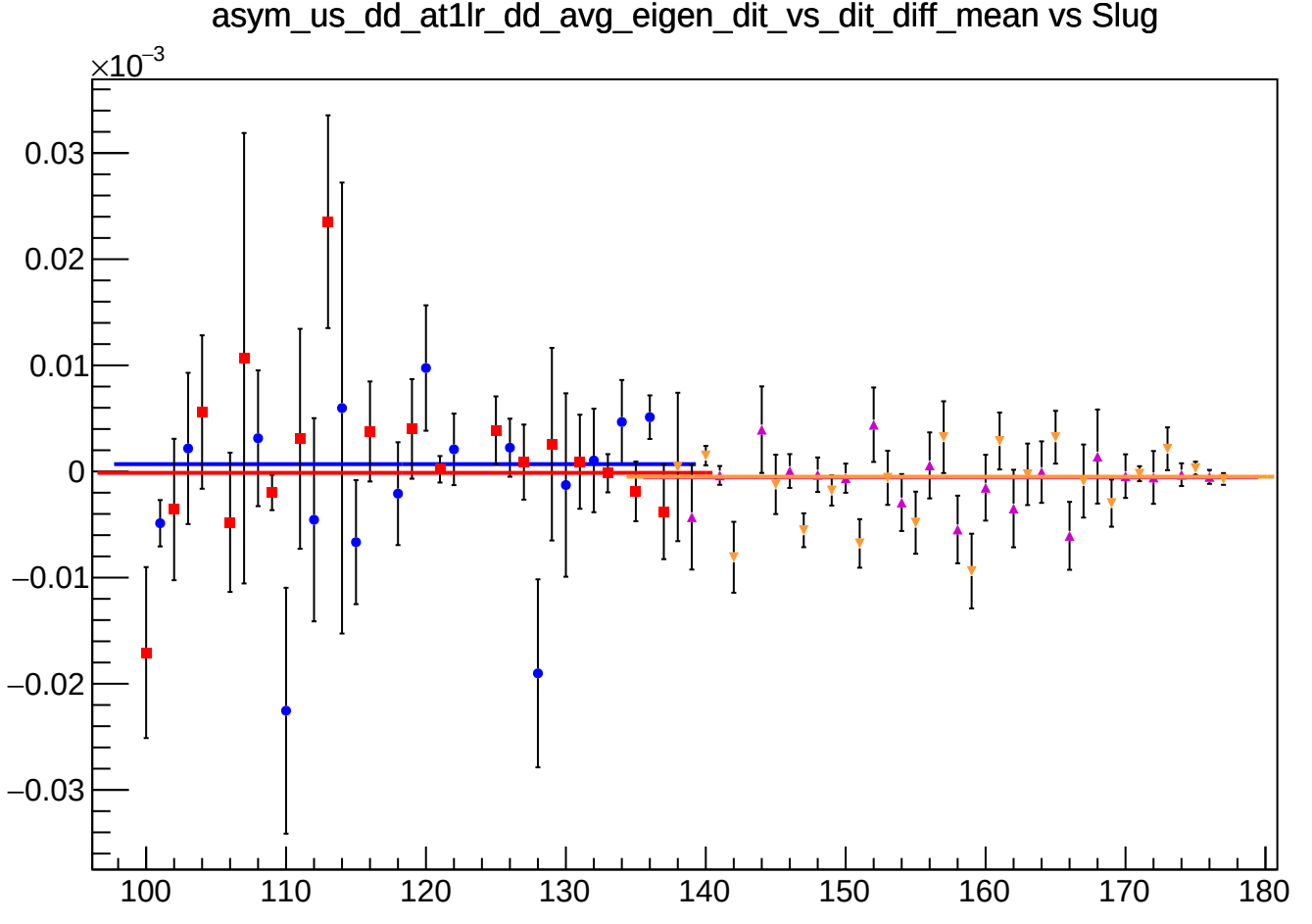
Right In: 42.165+/-0.013 χ²/NDF: 1454378.8/15
Left Out: 38.722+/-0.008 χ²/NDF:520864.2/19
Right Out: 41.692+/-0.013 χ²/NDF: 1441204.7/17
Left In: 39.823+/-0.008 χ²/NDF:533227.0/18
+ sign 39.600+/-0.007 χ²/NDF: 2028225.4/35
All: 39.945+/-0.005 χ²/NDF: 4023363.5/72
- sign 40.309+/-0.007 χ²/NDF: 1989392.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.8/19

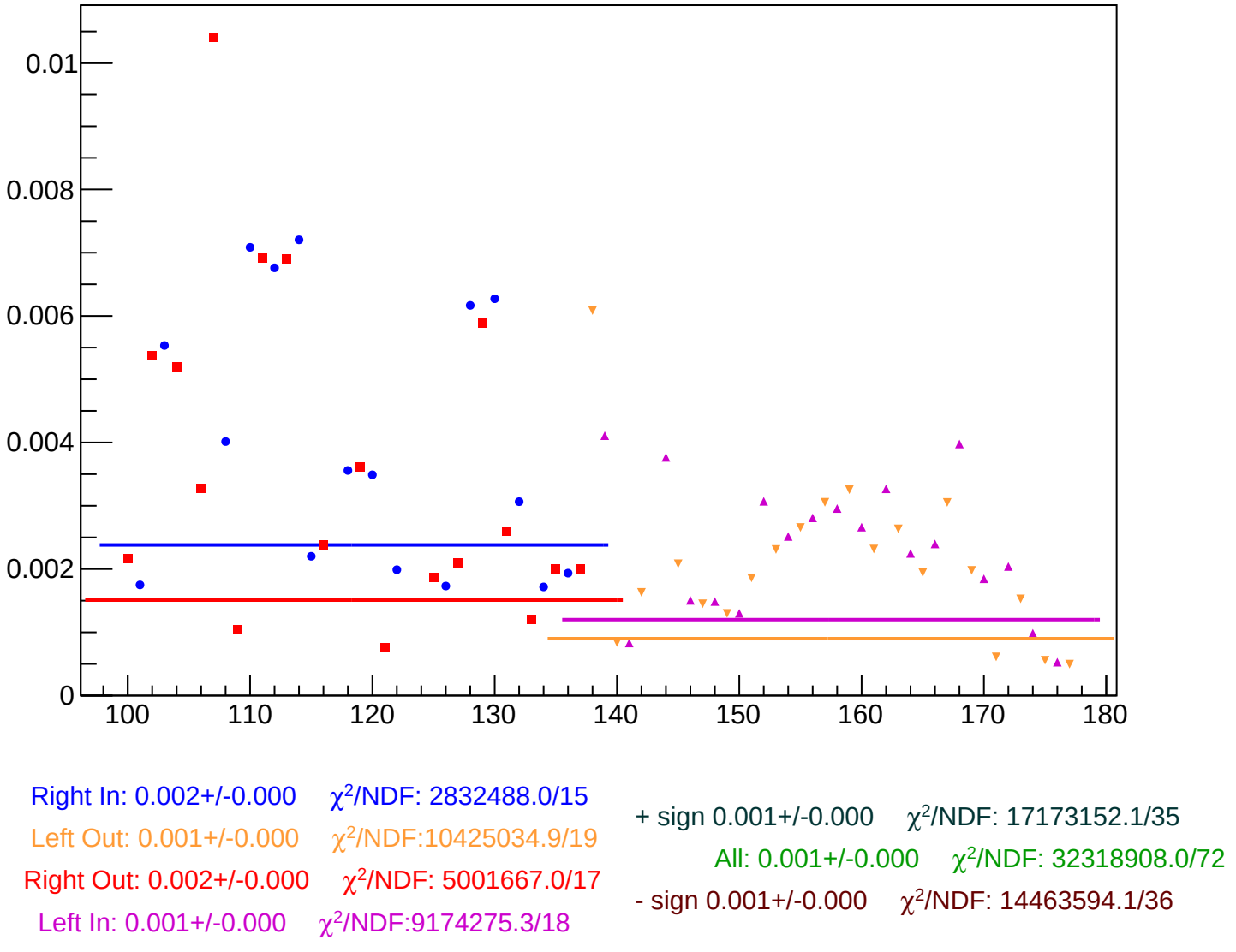
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:11.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 74.6/35

All: -0.000+/-0.000 χ^2/NDF: 103.6/72

- sign -0.000+/-0.000 χ^2/NDF: 29.0/36


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
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0.006
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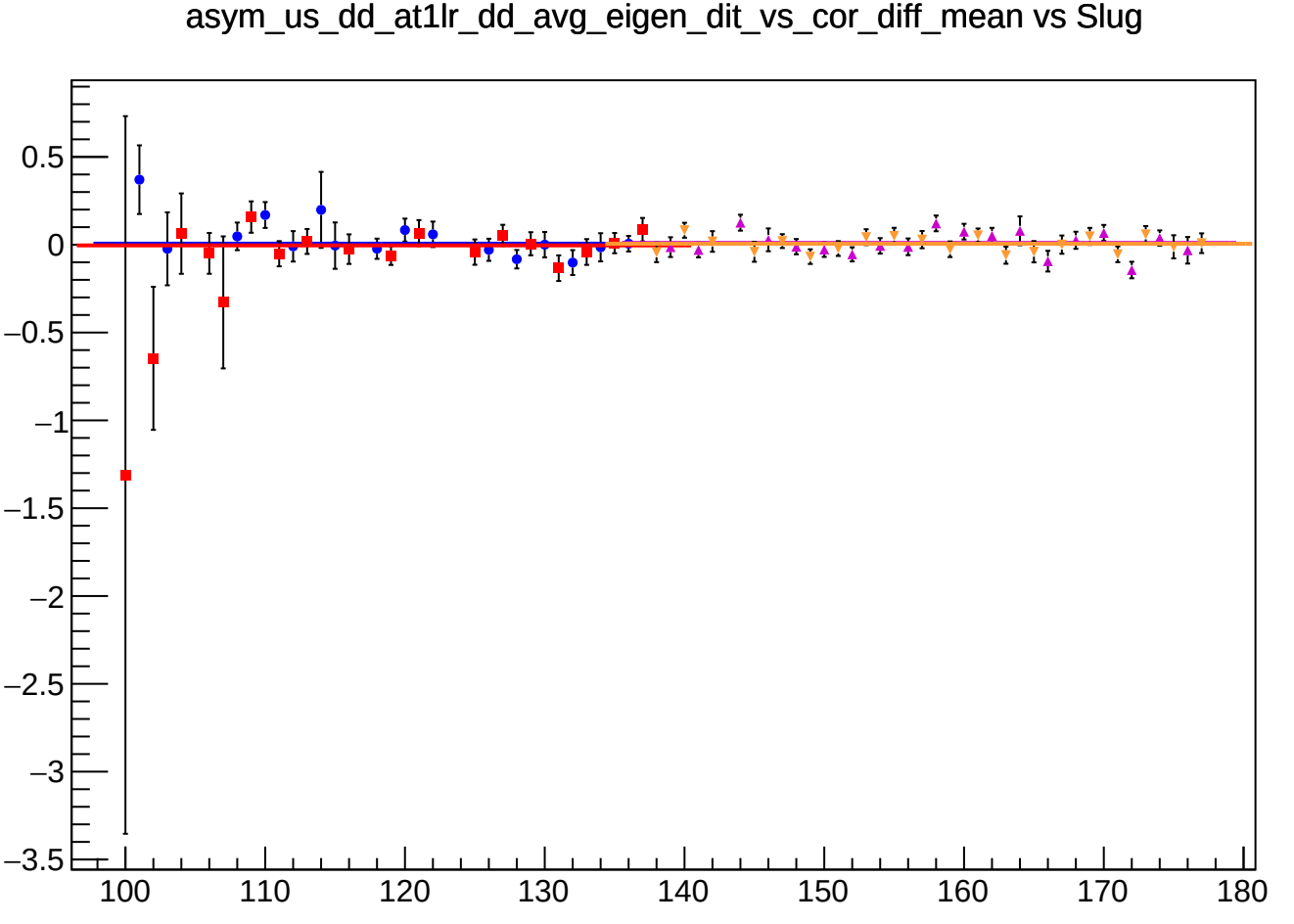
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:10425034.9/19
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:9174275.3/18
+ sign 0.001+/-0.000 χ²/NDF: 17173152.1/35
All: 0.001+/-0.000 χ²/NDF: 32318908.0/72
- sign 0.001+/-0.000 χ²/NDF: 14463594.1/36



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/19

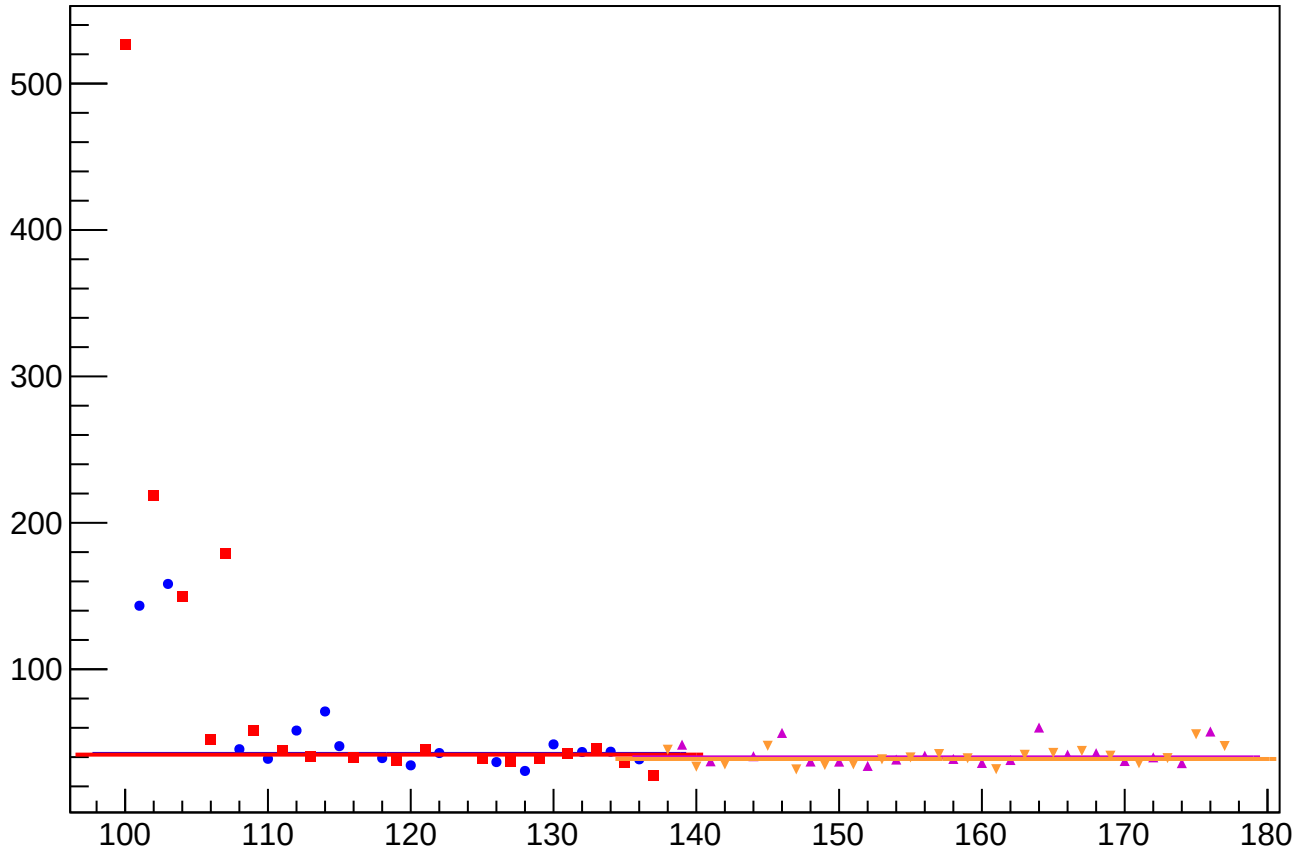
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.010+/-0.011 χ^2/NDF:37.4/18

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/35

All: 0.006+/-0.007 χ^2/NDF: 89.8/72

- sign 0.007+/-0.009 χ^2/NDF: 54.1/36



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 38.722+/-0.008 χ^2/NDF:520845.5/19

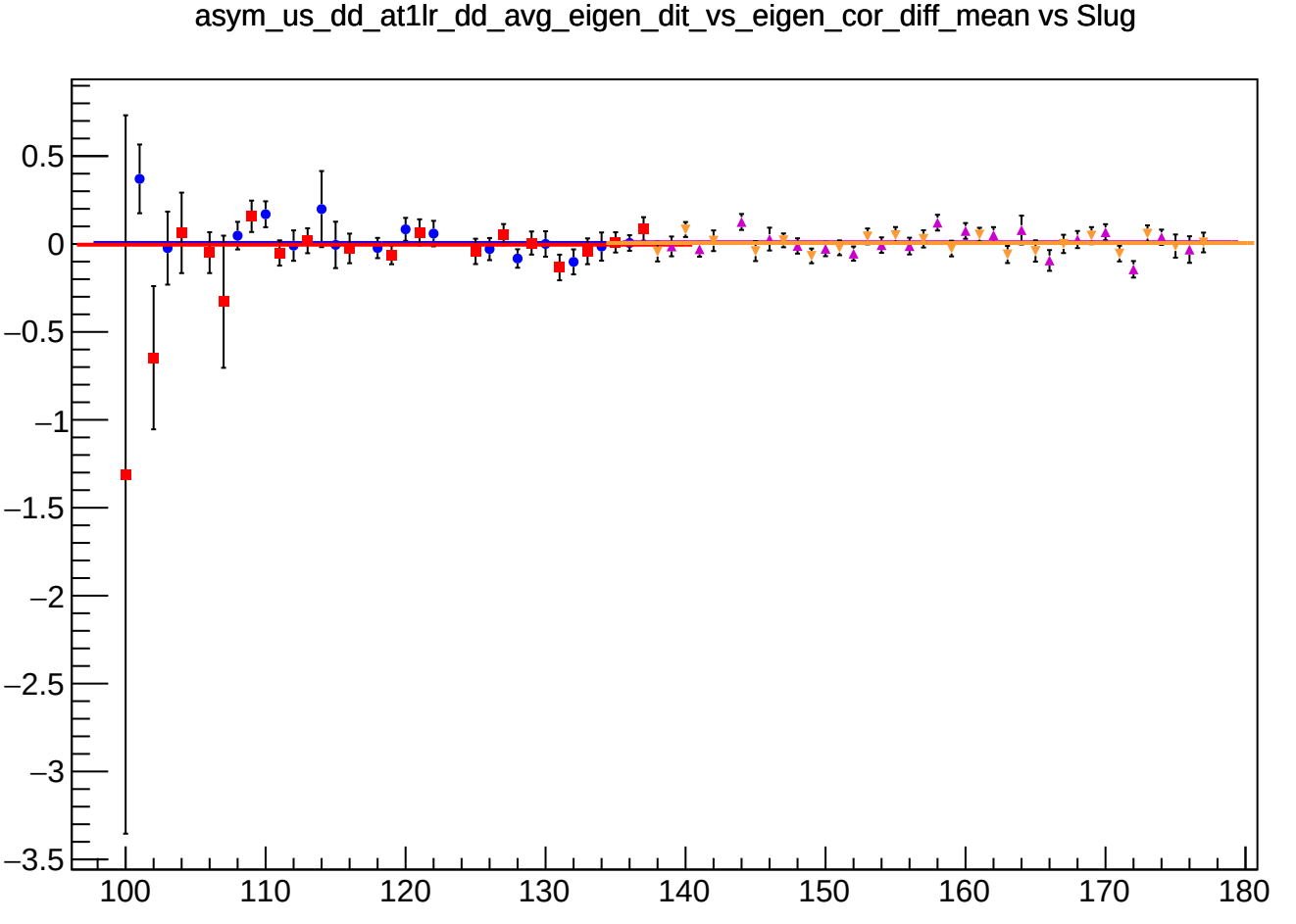
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.823+/-0.008 χ^2/NDF:533265.0/18

+ sign 39.600+/-0.007 χ^2/NDF: 2028344.7/35

All: 39.945+/-0.005 χ^2/NDF: 4023518.5/72

- sign 40.309+/-0.007 χ^2/NDF: 1989418.5/36



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/19

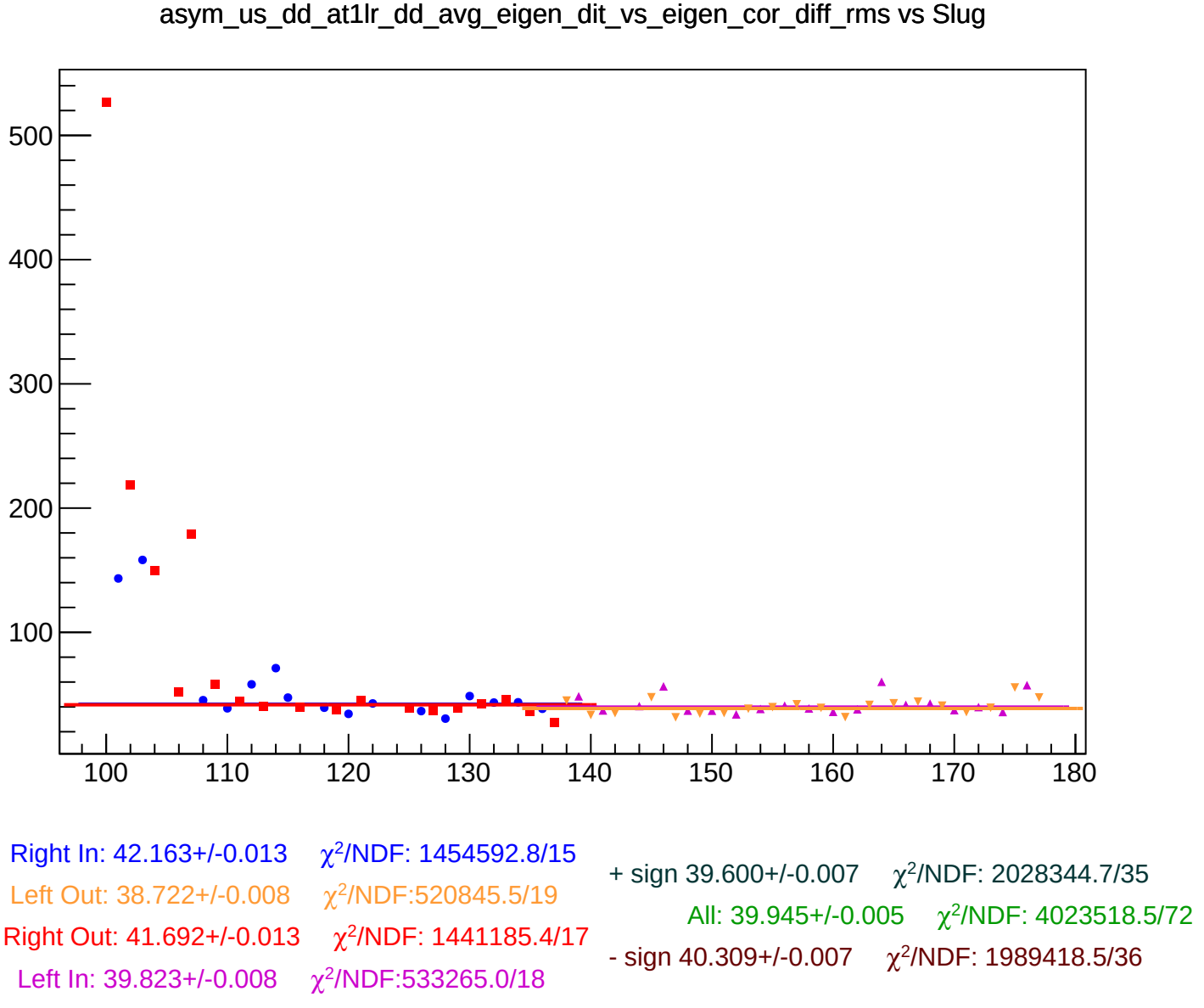
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.010+/-0.011 χ^2/NDF:37.4/18

+ sign 0.006+/-0.009 χ^2/NDF: 35.7/35

All: 0.006+/-0.007 χ^2/NDF: 89.8/72

- sign 0.007+/-0.009 χ^2/NDF: 54.1/36


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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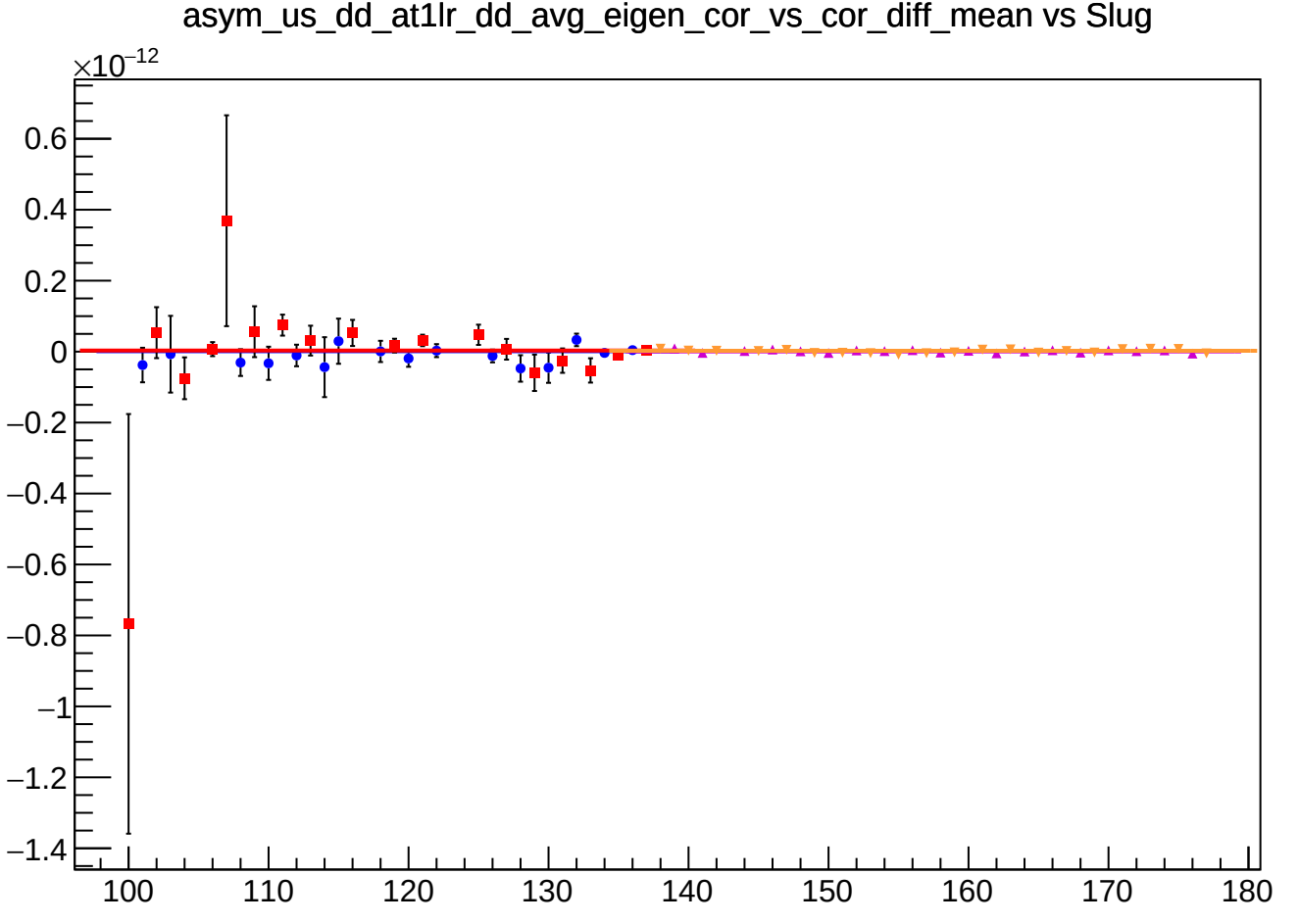
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 38.722+/-0.008 χ²/NDF:520845.5/19
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 39.823+/-0.008 χ²/NDF:533265.0/18
+ sign 39.600+/-0.007 χ²/NDF: 2028344.7/35
All: 39.945+/-0.005 χ²/NDF: 4023518.5/72
- sign 40.309+/-0.007 χ²/NDF: 1989418.5/36



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.4/19

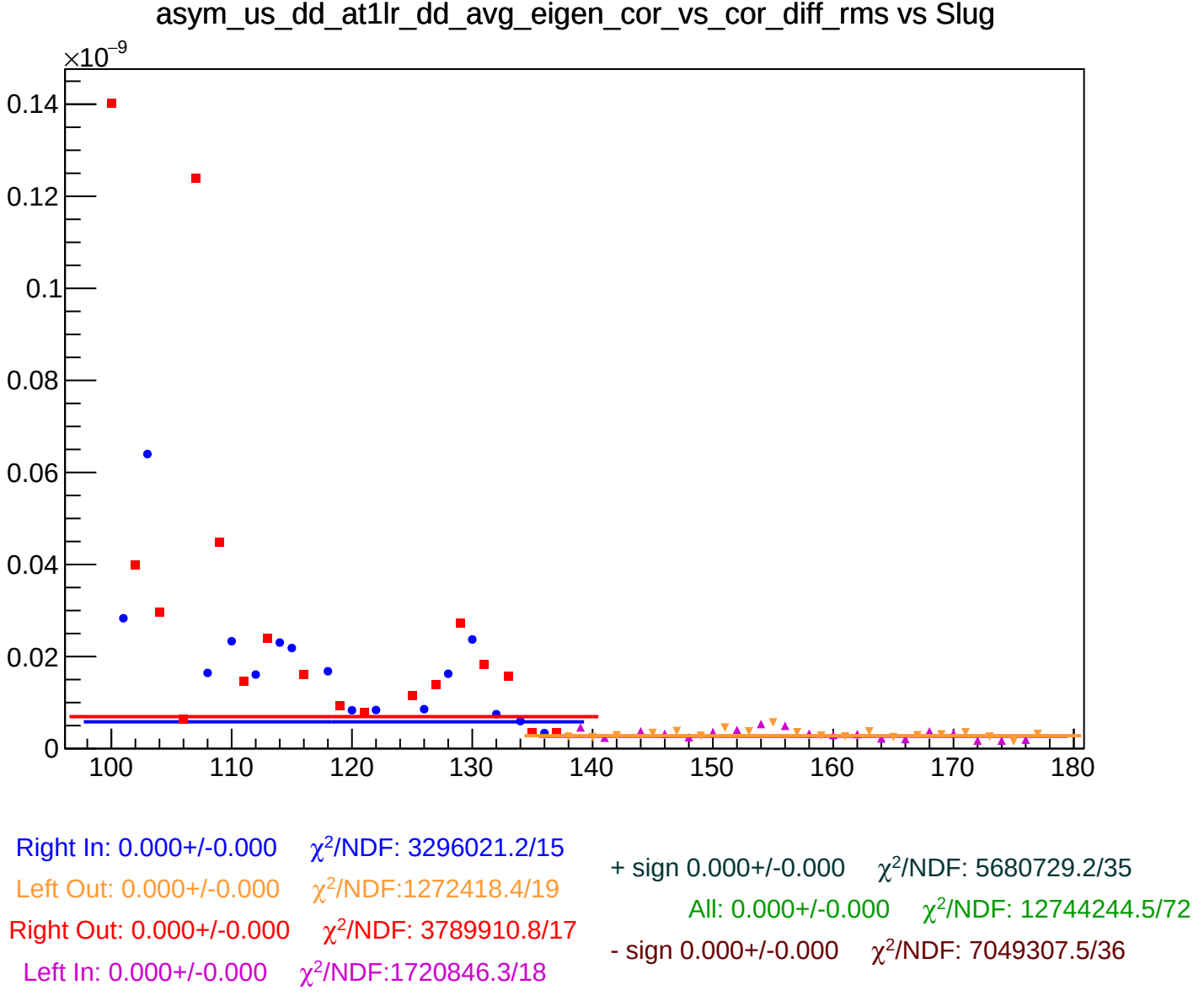
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:14.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/35

All: 0.000+/-0.000 χ^2/NDF: 79.7/72

- sign 0.000+/-0.000 χ^2/NDF: 43.3/36


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
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0.12
0.1
0.08
0.06
0.04
0.02
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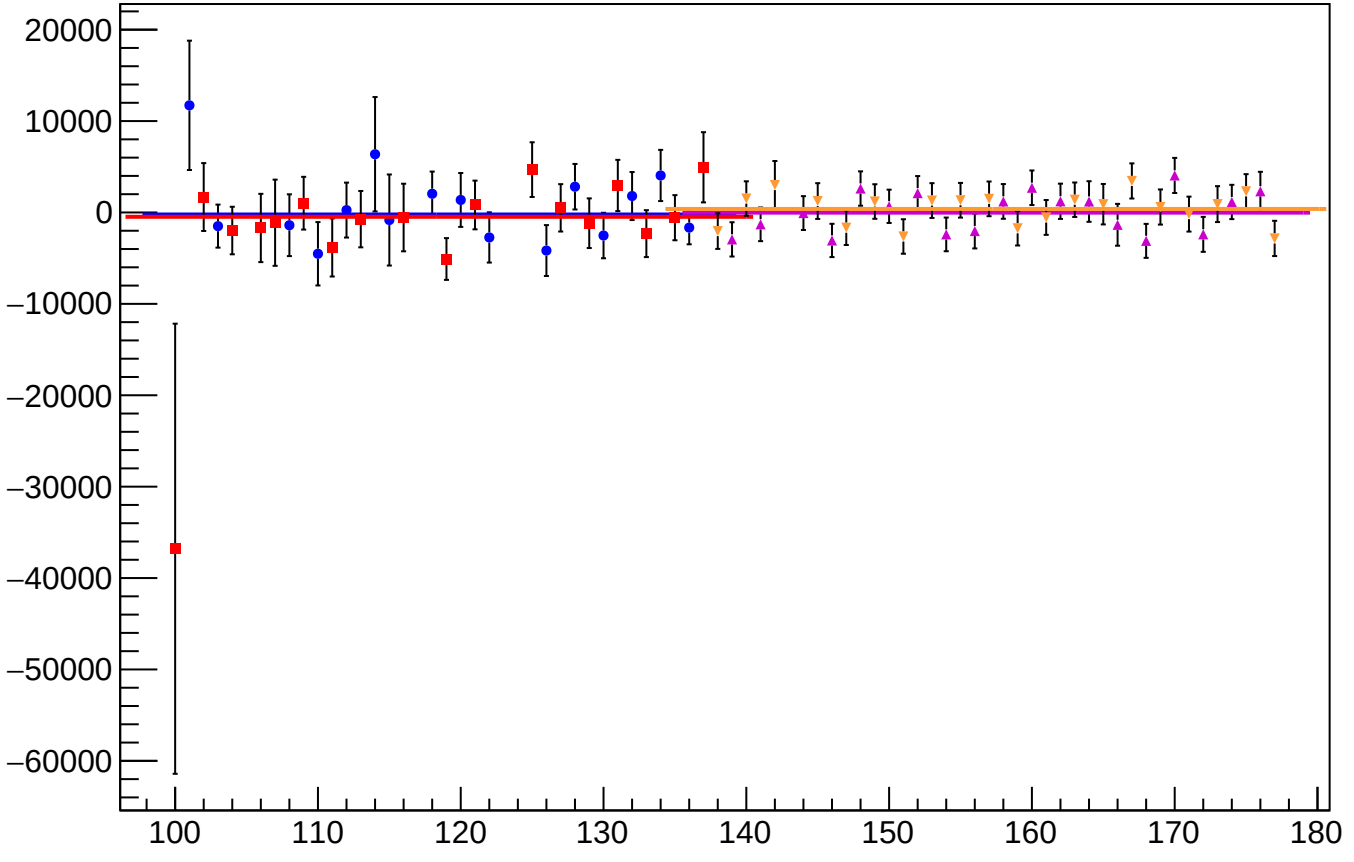
180
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1272418.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1720846.3/18
+ sign 0.000+/-0.000 χ²/NDF: 5680729.2/35
All: 0.000+/-0.000 χ²/NDF: 12744244.5/72
- sign 0.000+/-0.000 χ²/NDF: 7049307.5/36

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 386.406+/-434.707 χ^2/NDF:16.2/19

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

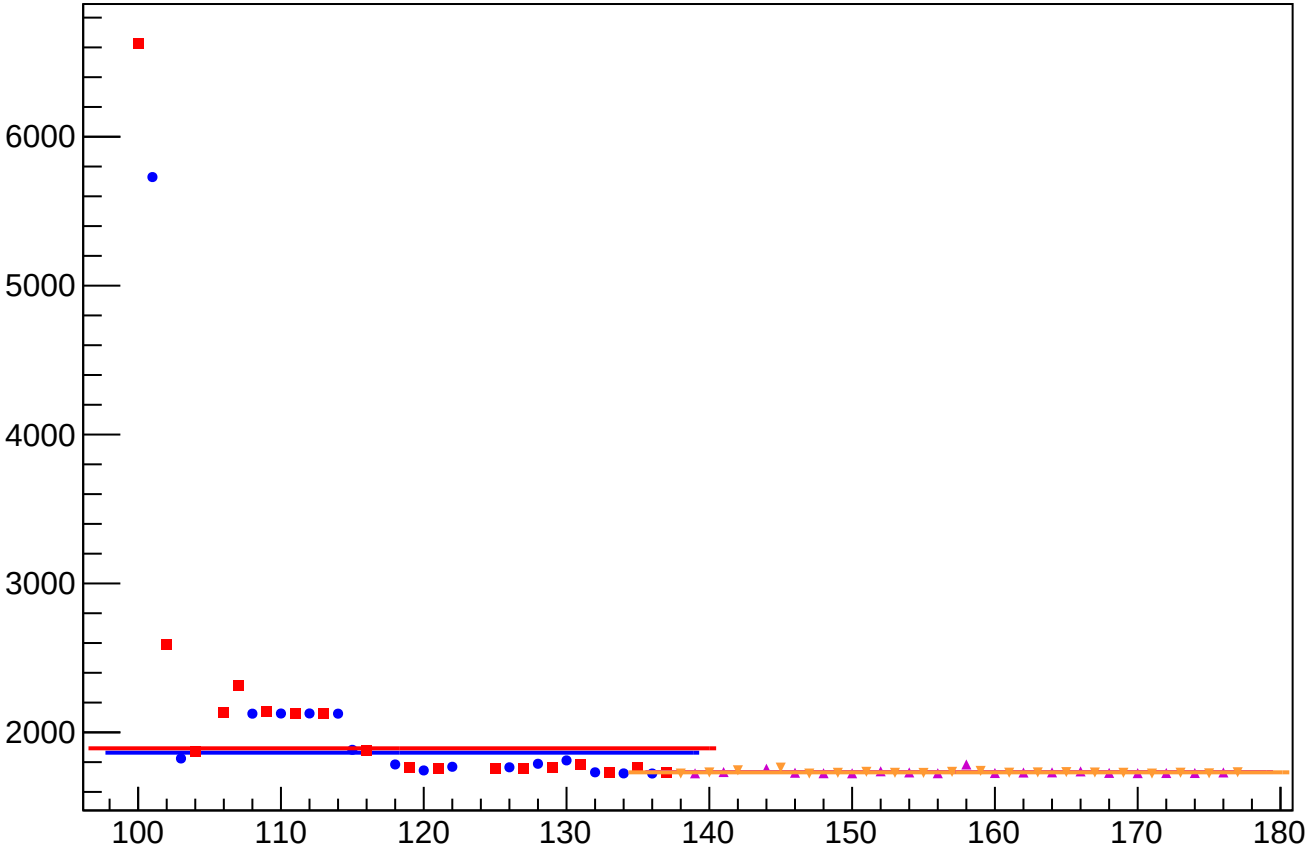
Left In: -17.605+/-439.779 χ^2/NDF:25.8/18

+ sign 219.963+/-370.617 χ^2/NDF: 32.6/35

All: 40.005+/-263.283 χ^2/NDF: 75.1/72

- sign -143.336+/-374.083 χ^2/NDF: 42.0/36

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.563+/-0.307 χ^2/NDF:811.8/19

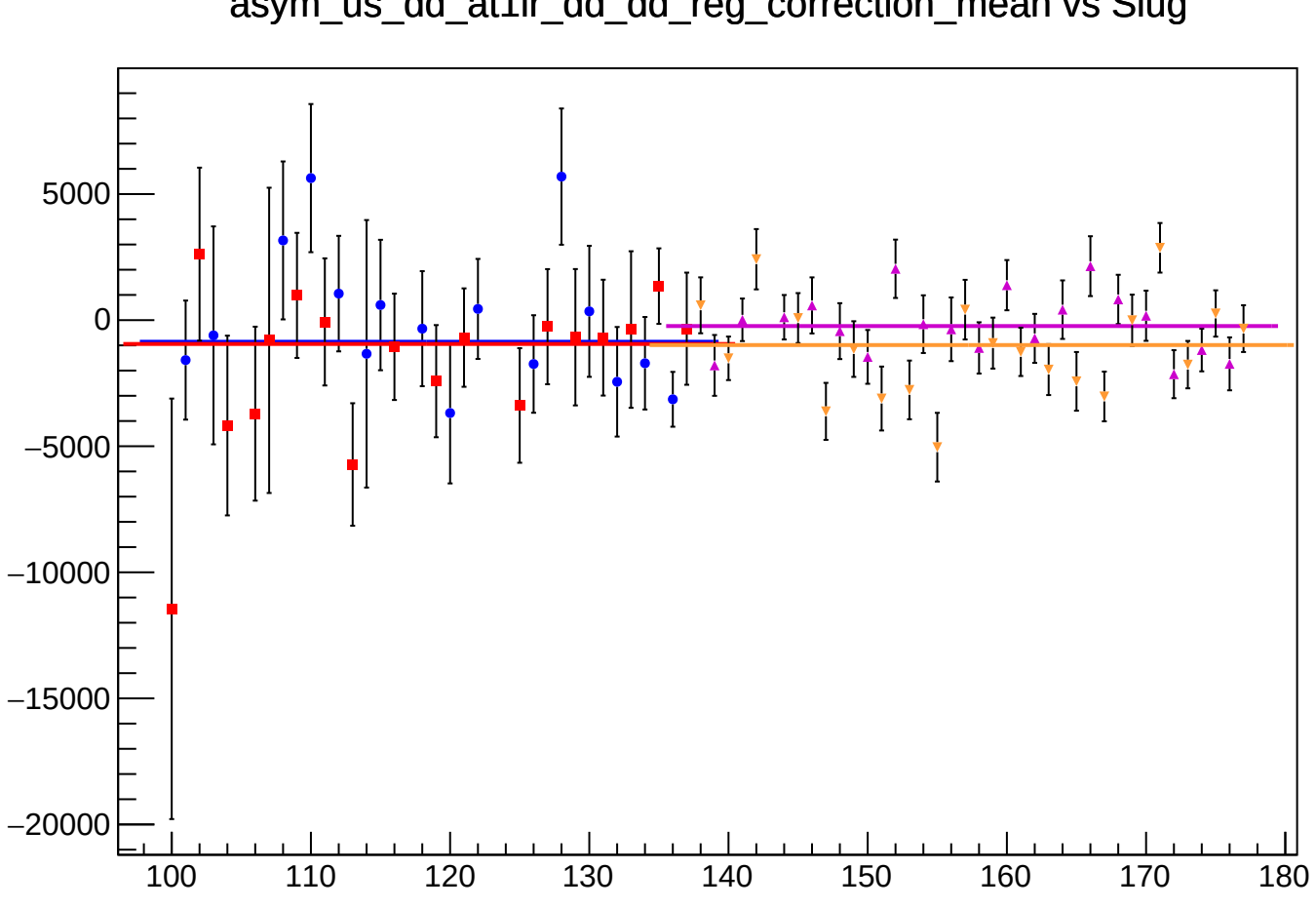
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

+ sign 1767.621+/-0.262 χ^2/NDF: 725859.5/35

All: 1772.624+/-0.186 χ^2/NDF: 1052549.6/72

- sign 1777.720+/-0.265 χ^2/NDF: 325954.5/36



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -987.479+/-233.139 χ^2/NDF:58.7/19

Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

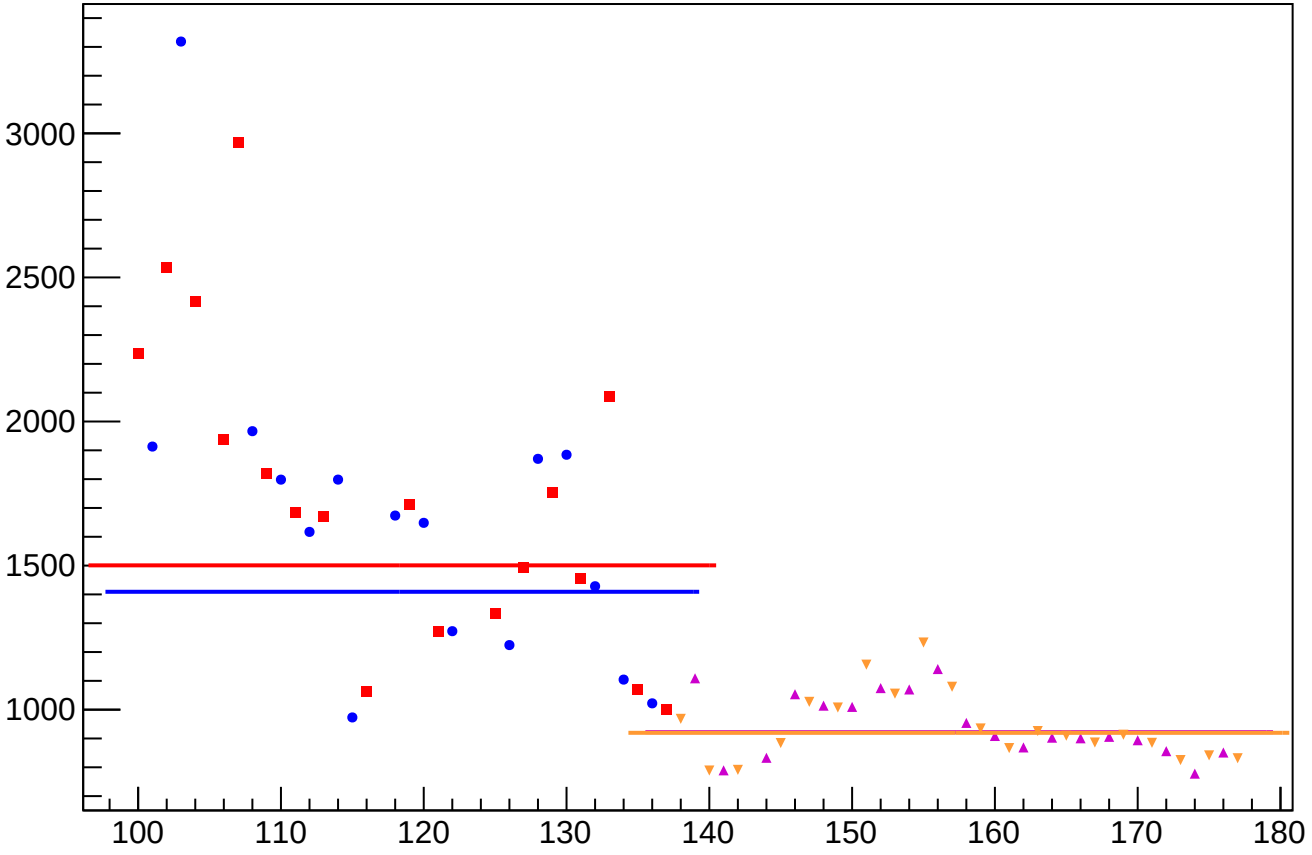
Left In: -234.141+/-235.865 χ^2/NDF:24.3/18

+ sign -967.637+/-214.638 χ^2/NDF: 79.3/35

All: -656.660+/-153.188 χ^2/NDF: 122.1/72

- sign -333.803+/-218.700 χ^2/NDF: 38.5/36

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 919.705+/-0.165 χ^2/NDF:410241.9/19

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

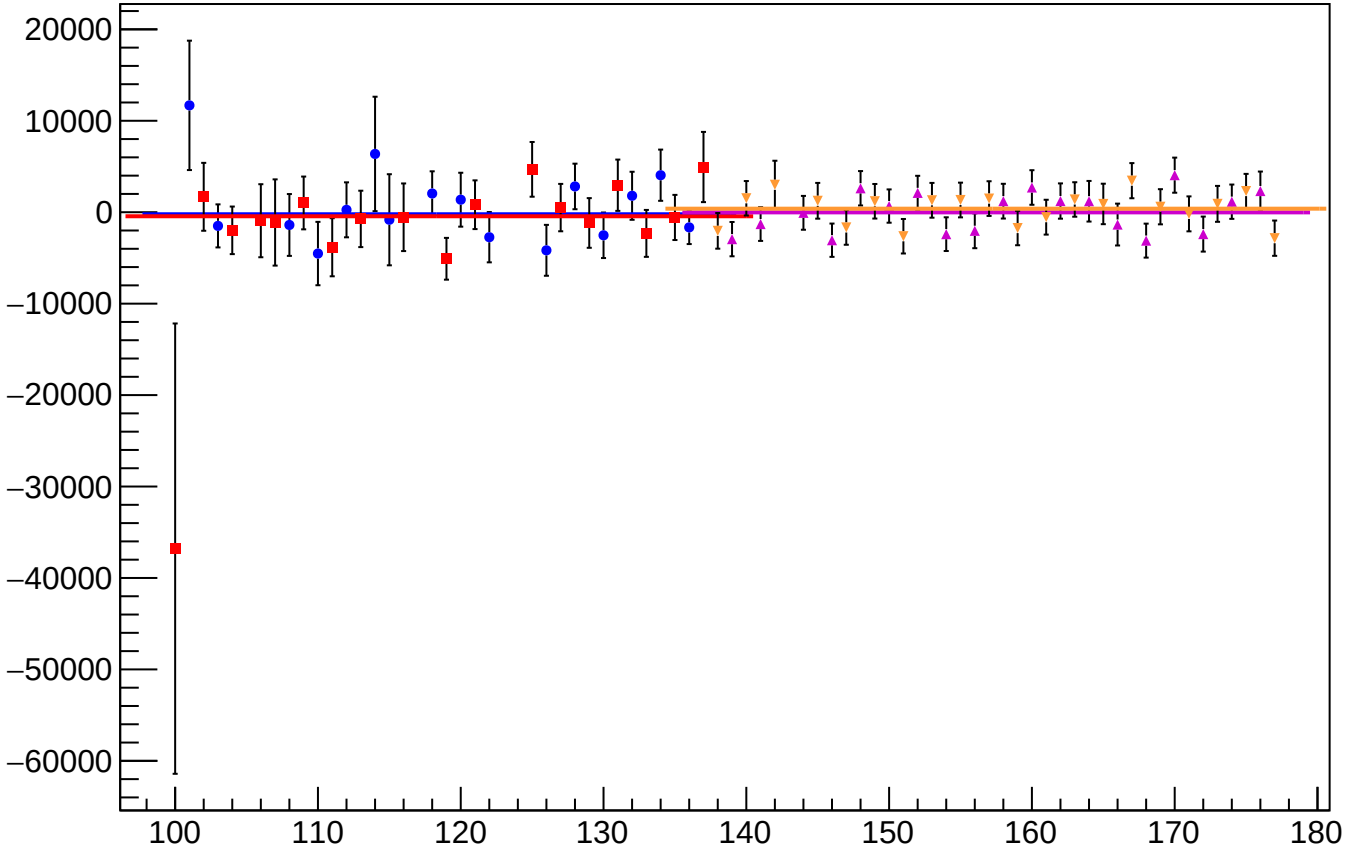
Left In: 922.002+/-0.167 χ^2/NDF:389795.3/18

+ sign 994.294+/-0.152 χ^2/NDF: 2921119.6/35

All: 998.654+/-0.108 χ^2/NDF: 6032554.6/72

- sign 1003.181+/-0.155 χ^2/NDF: 3109752.5/36

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 386.476+/-434.707 χ^2/NDF:16.2/19

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

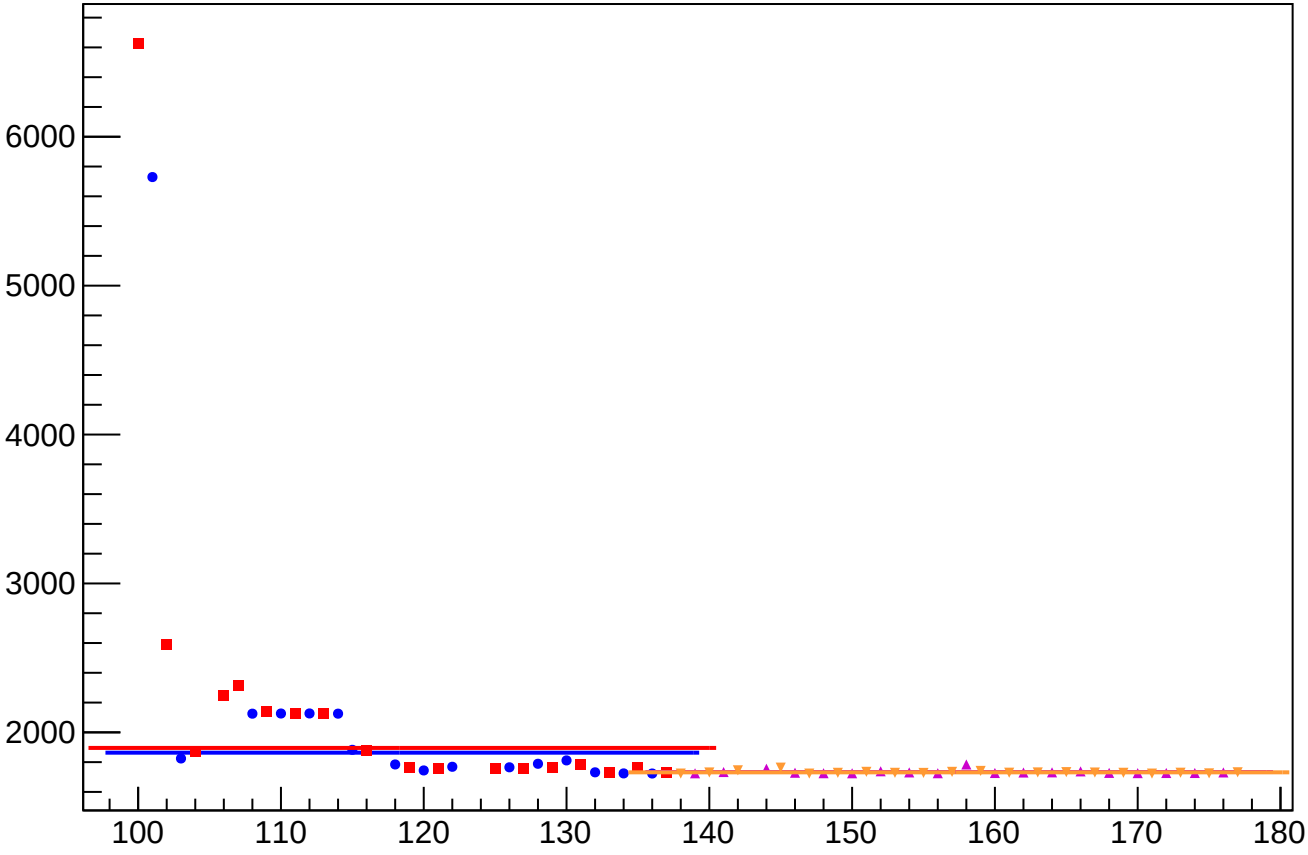
Left In: -17.644+/-439.779 χ^2/NDF:25.8/18

+ sign 219.803+/-370.617 χ^2/NDF: 32.6/35

All: 44.238+/-263.365 χ^2/NDF: 74.9/72

- sign -134.853+/-374.319 χ^2/NDF: 41.9/36

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.563+/-0.307 χ^2/NDF:811.8/19

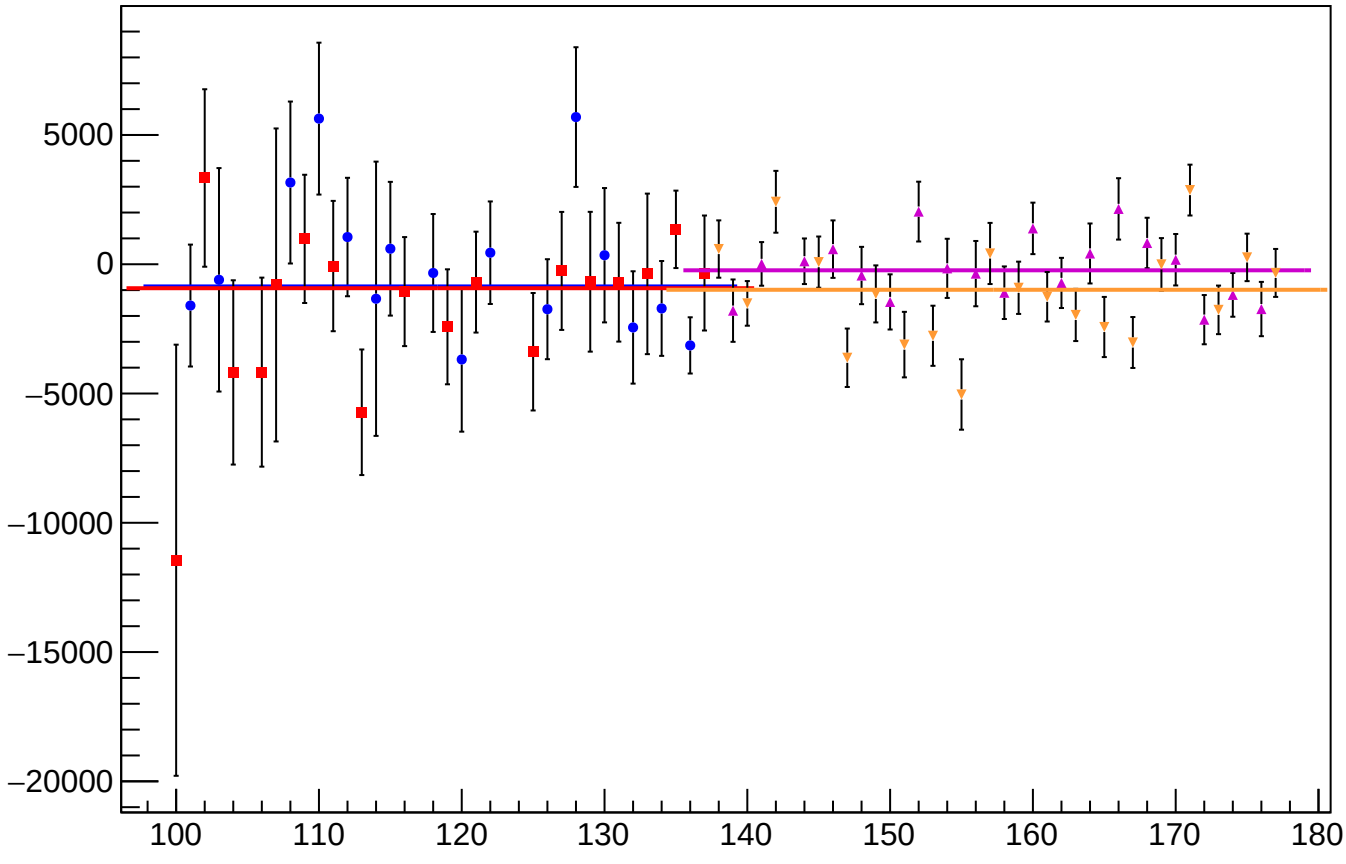
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

+ sign 1767.621+/-0.262 χ^2/NDF: 725859.3/35

All: 1772.907+/-0.186 χ^2/NDF: 1062456.8/72

- sign 1778.299+/-0.265 χ^2/NDF: 335775.6/36



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -987.480+/-233.139 χ^2/NDF:58.7/19

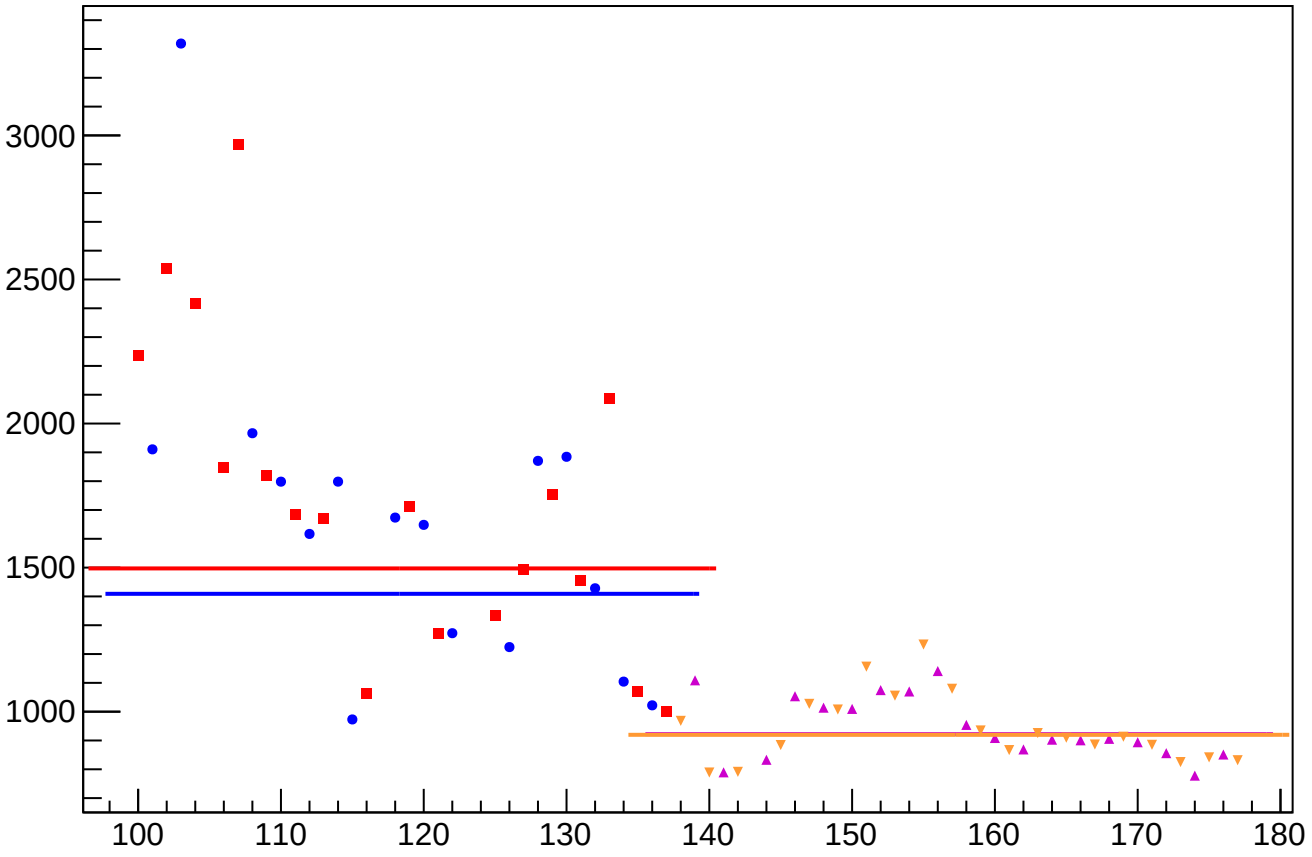
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -234.139+/-235.863 χ^2/NDF:24.3/18

+ sign -967.760+/-214.636 χ^2/NDF: 79.3/35

All: -655.459+/-153.203 χ^2/NDF: 122.7/72

- sign -331.080+/-218.747 χ^2/NDF: 39.0/36



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 919.707+/-0.165 χ^2/NDF:410204.4/19

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

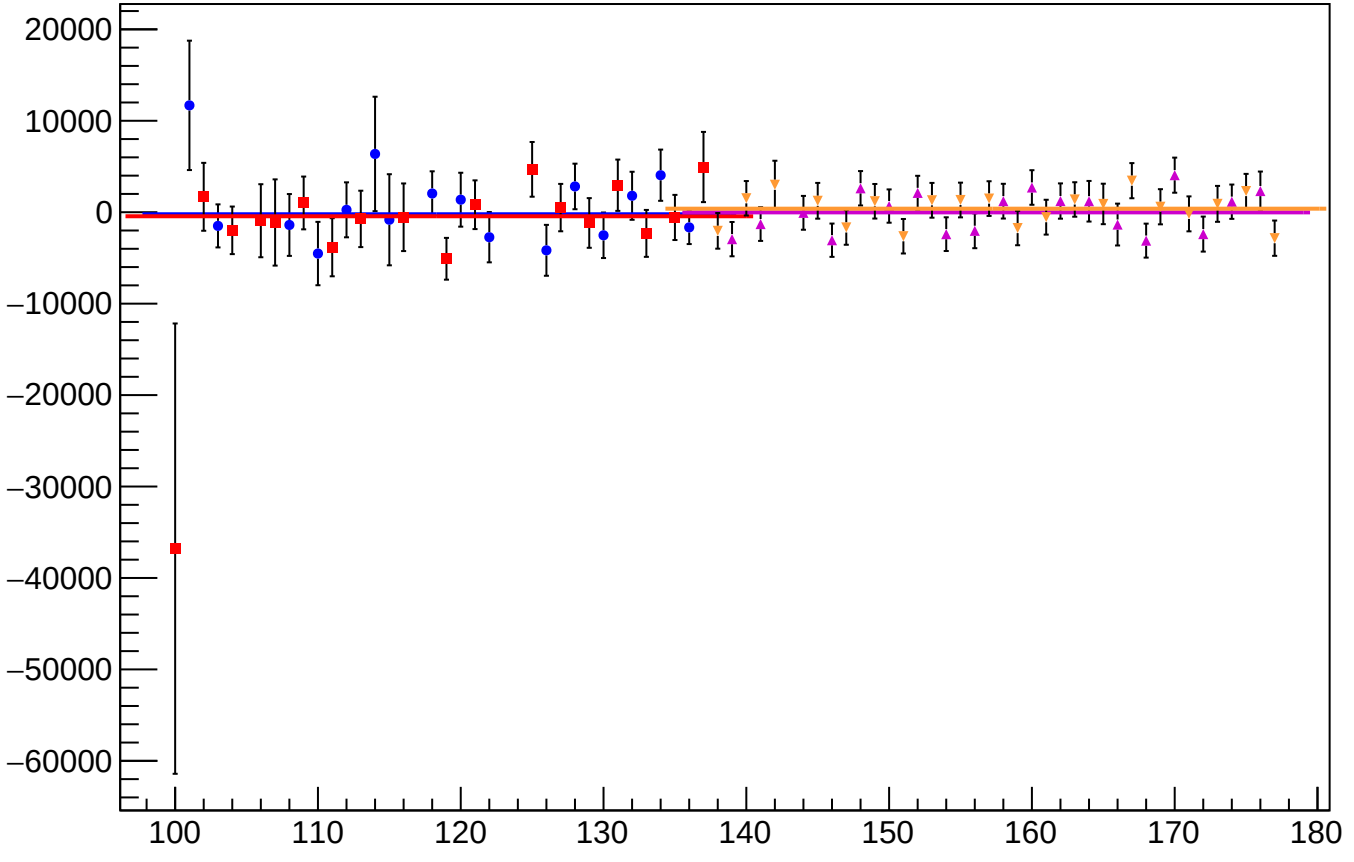
Left In: 921.996+/-0.167 χ^2/NDF:389818.2/18

+ sign 994.293+/-0.152 χ^2/NDF: 2920183.2/35

All: 998.292+/-0.108 χ^2/NDF: 5993009.5/72

- sign 1002.446+/-0.155 χ^2/NDF: 3071411.0/36

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: 386.476+/-434.707 χ^2/NDF:16.2/19

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

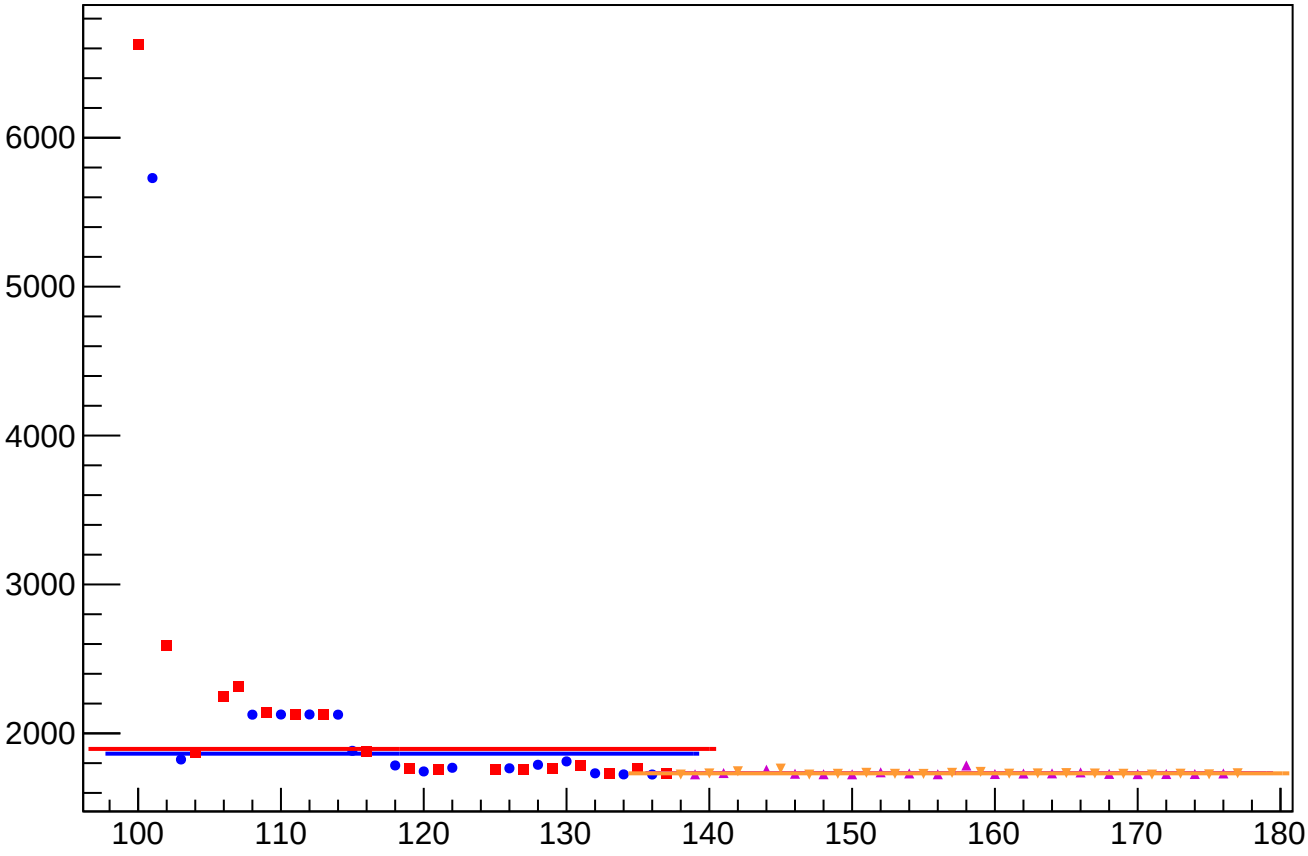
Left In: -17.644+/-439.779 χ^2/NDF:25.8/18

+ sign 219.803+/-370.617 χ^2/NDF: 32.6/35

All: 44.238+/-263.365 χ^2/NDF: 74.9/72

- sign -134.853+/-374.319 χ^2/NDF: 41.9/36

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: 1731.563+/-0.307 χ^2/NDF:811.8/19

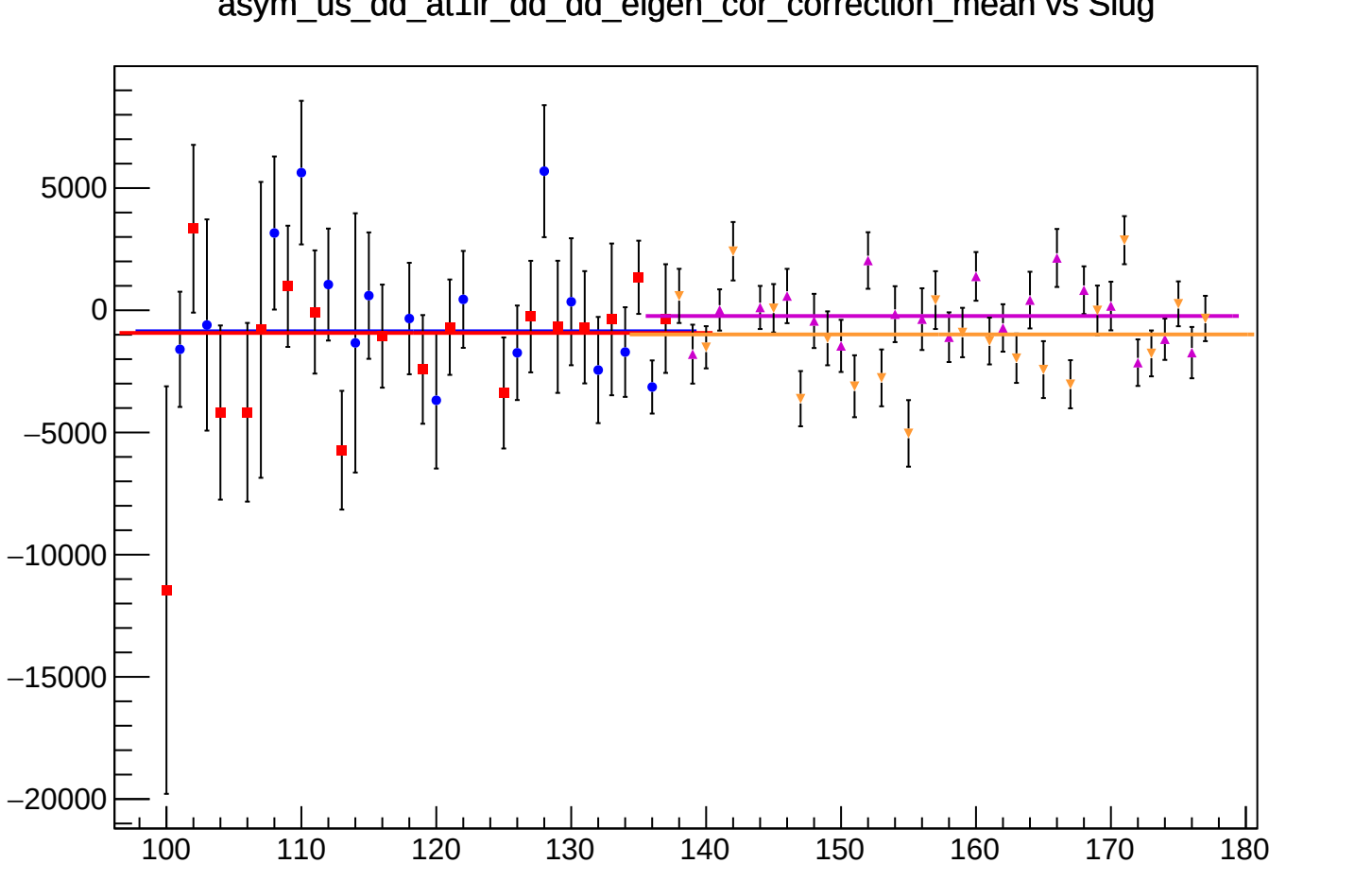
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

+ sign 1767.621+/-0.262 χ^2/NDF: 725859.3/35

All: 1772.907+/-0.186 χ^2/NDF: 1062456.8/72

- sign 1778.299+/-0.265 χ^2/NDF: 335775.6/36



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -987.480+/-233.139 χ^2/NDF:58.7/19

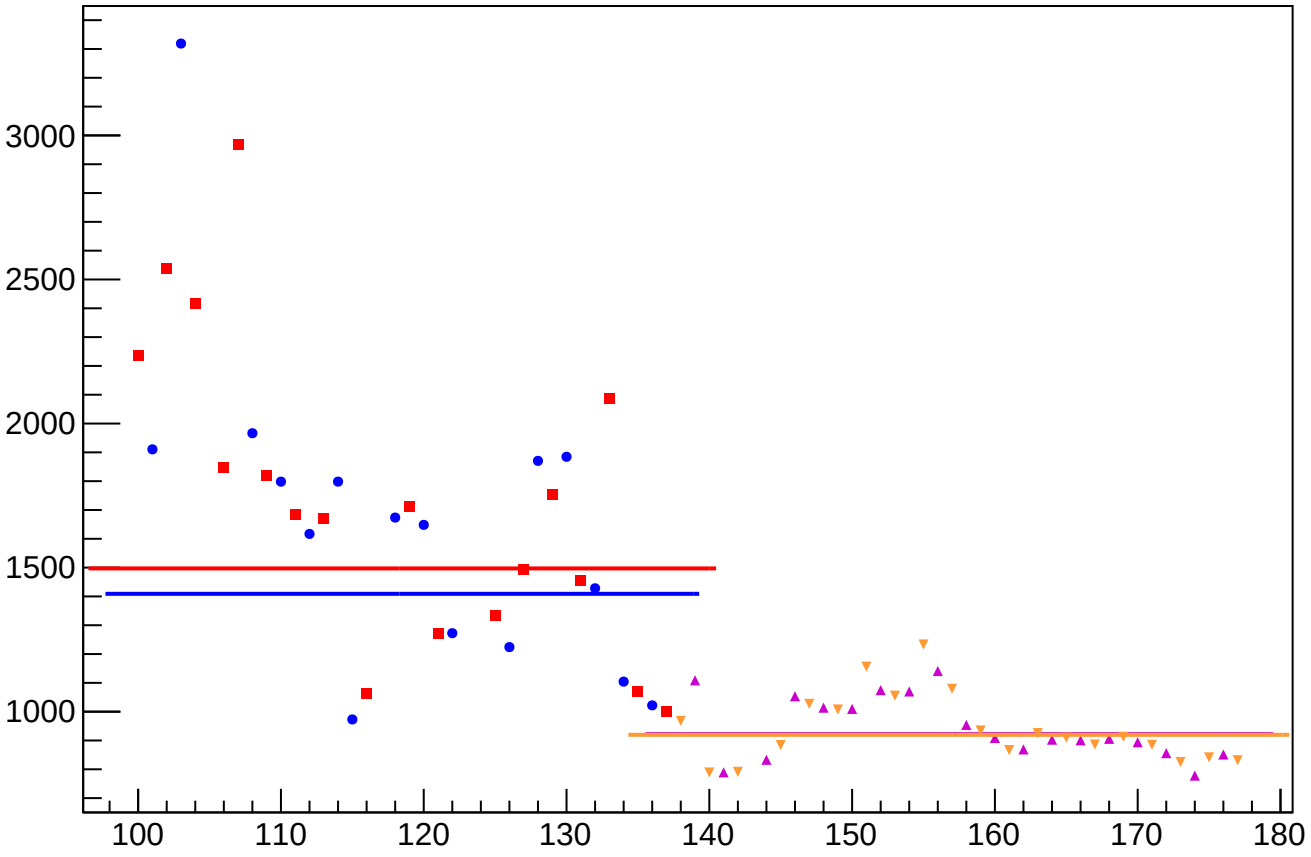
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -234.139+/-235.863 χ^2/NDF:24.3/18

+ sign -967.760+/-214.636 χ^2/NDF: 79.3/35

All: -655.459+/-153.203 χ^2/NDF: 122.7/72

- sign -331.080+/-218.747 χ^2/NDF: 39.0/36



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 919.707+/-0.165 χ^2/NDF:410204.4/19

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

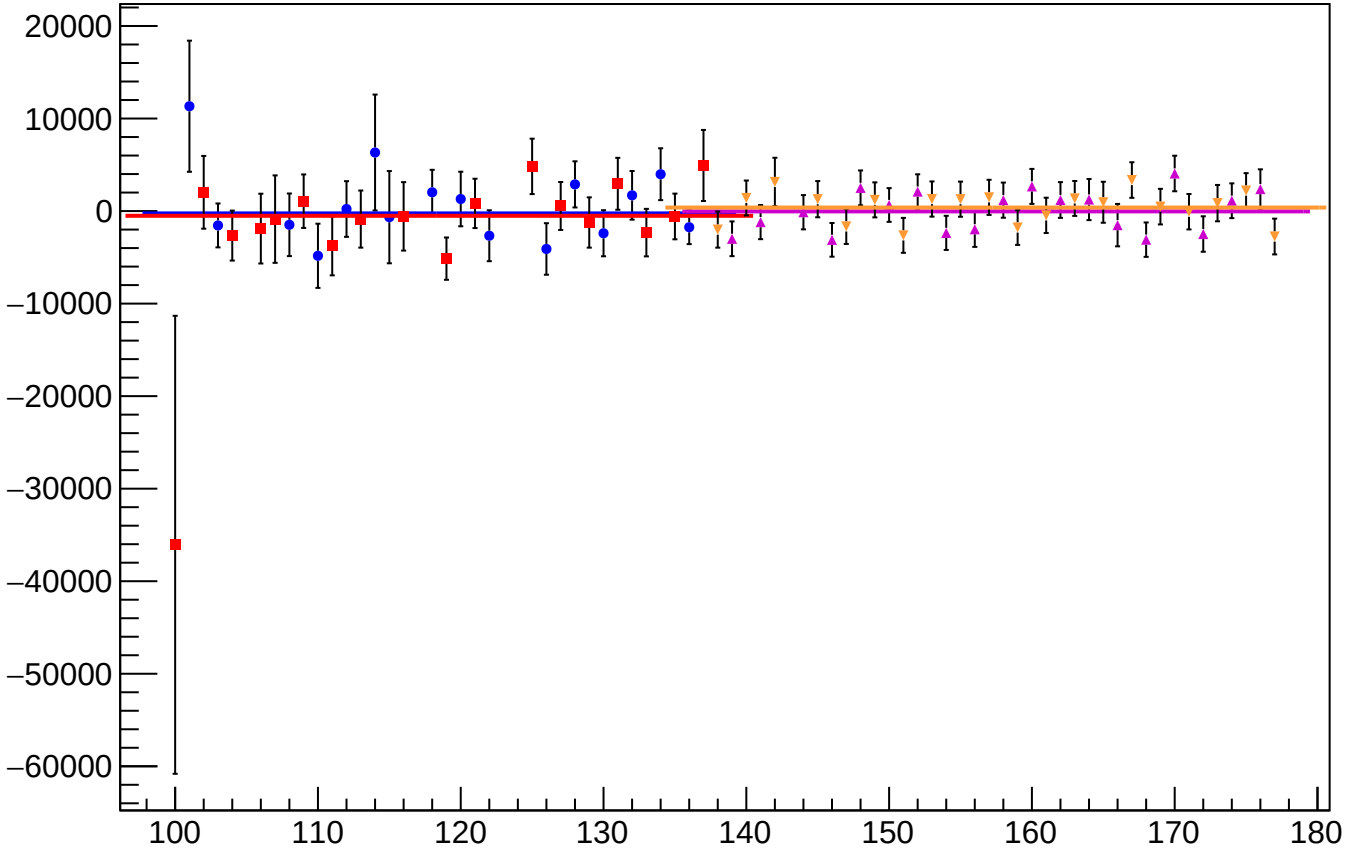
Left In: 921.996+/-0.167 χ^2/NDF:389818.2/18

+ sign 994.293+/-0.152 χ^2/NDF: 2920183.2/35

All: 998.292+/-0.108 χ^2/NDF: 5993009.5/72

- sign 1002.446+/-0.155 χ^2/NDF: 3071411.0/36

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 379.591+/-434.964 χ^2/NDF:15.7/19

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

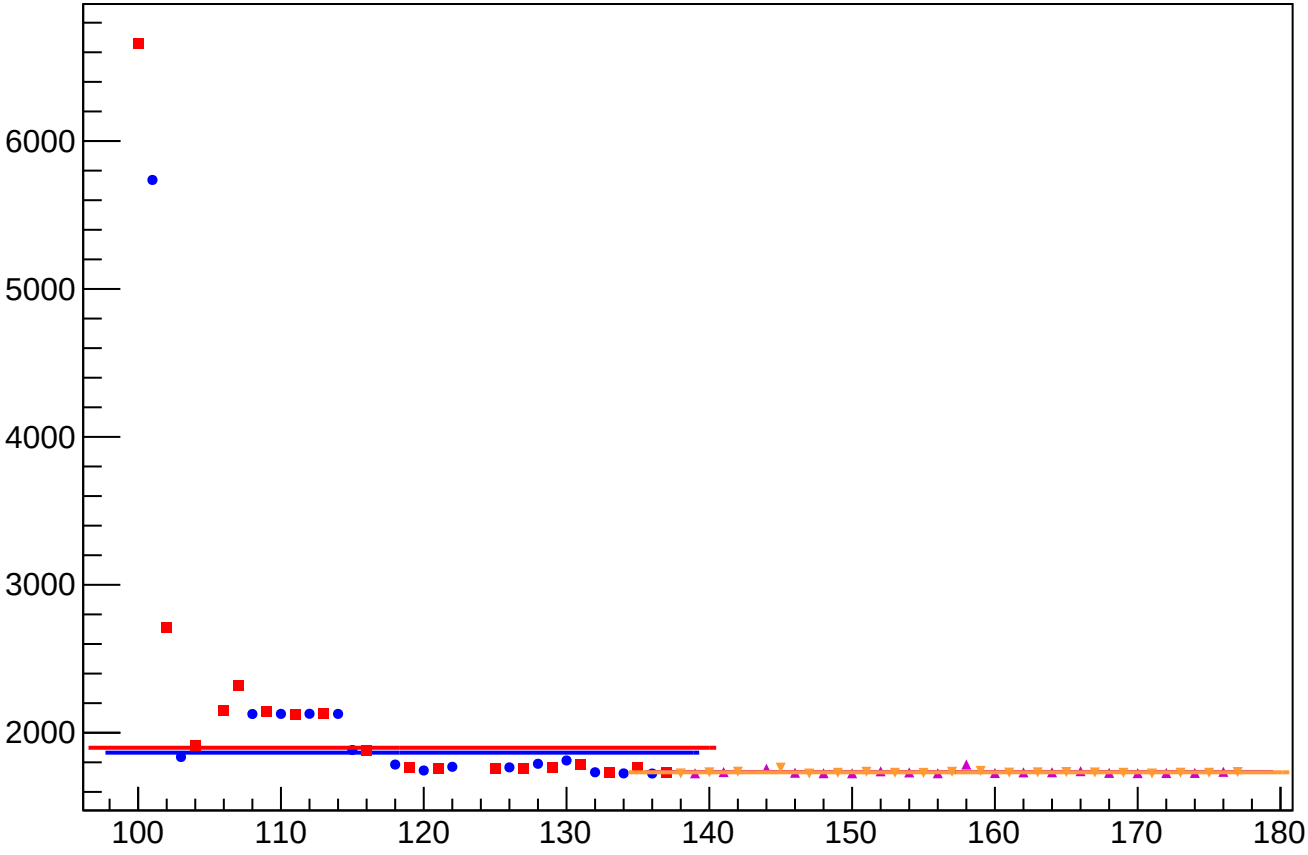
Left In: -34.975+/-440.072 χ^2/NDF:25.8/18

+ sign 207.219+/-370.893 χ^2/NDF: 32.0/35

All: 22.881+/-263.644 χ^2/NDF: 74.9/72

- sign -165.400+/-374.838 χ^2/NDF: 42.5/36

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.554+/-0.308 χ^2/NDF:732.4/19

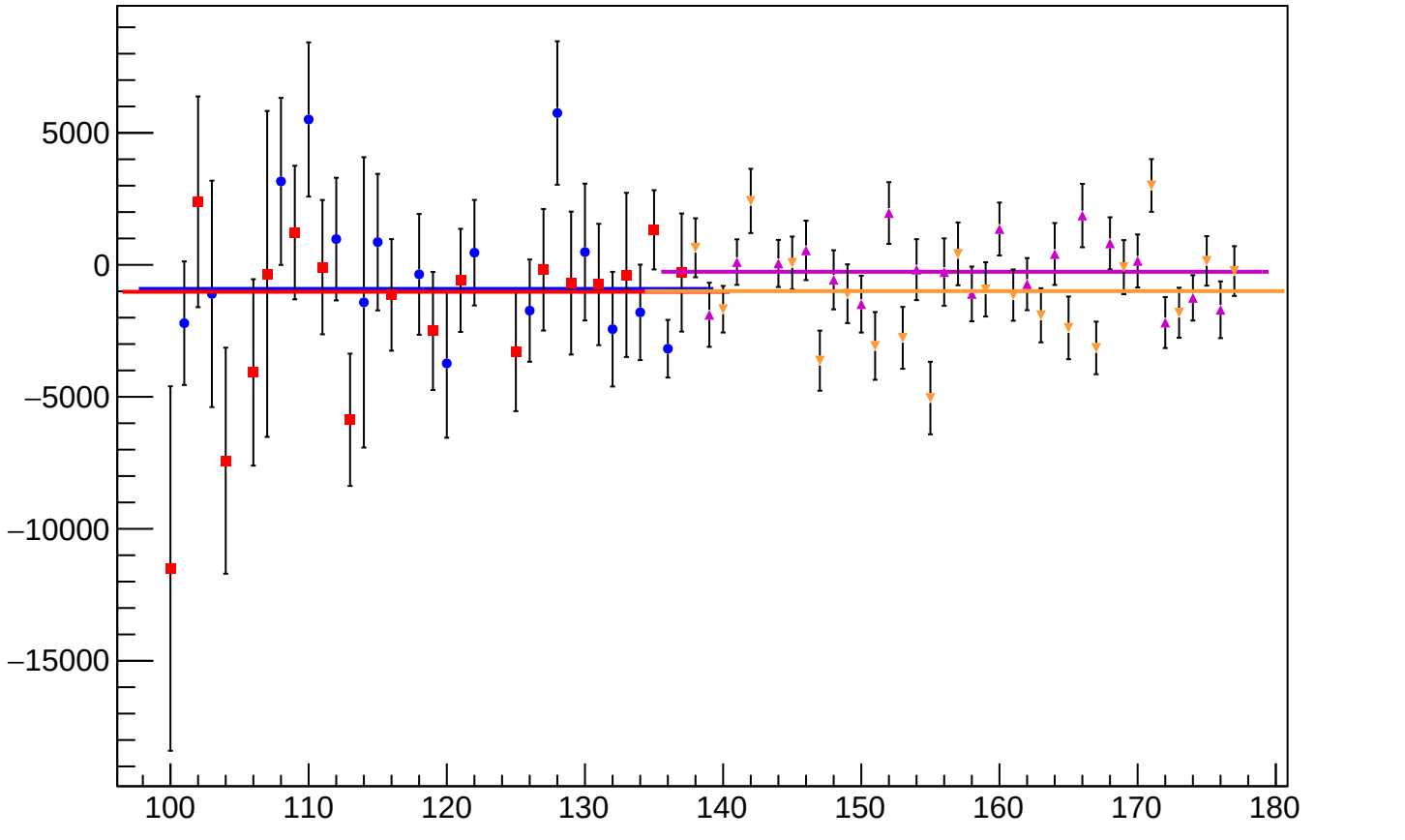
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.882+/-0.311 χ^2/NDF:2033.2/18

+ sign 1768.820+/-0.262 χ^2/NDF: 726665.9/35

All: 1774.263+/-0.186 χ^2/NDF: 1074665.3/72

- sign 1779.823+/-0.265 χ^2/NDF: 347128.5/36



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -995.180+/-236.216 χ^2/NDF:58.8/19

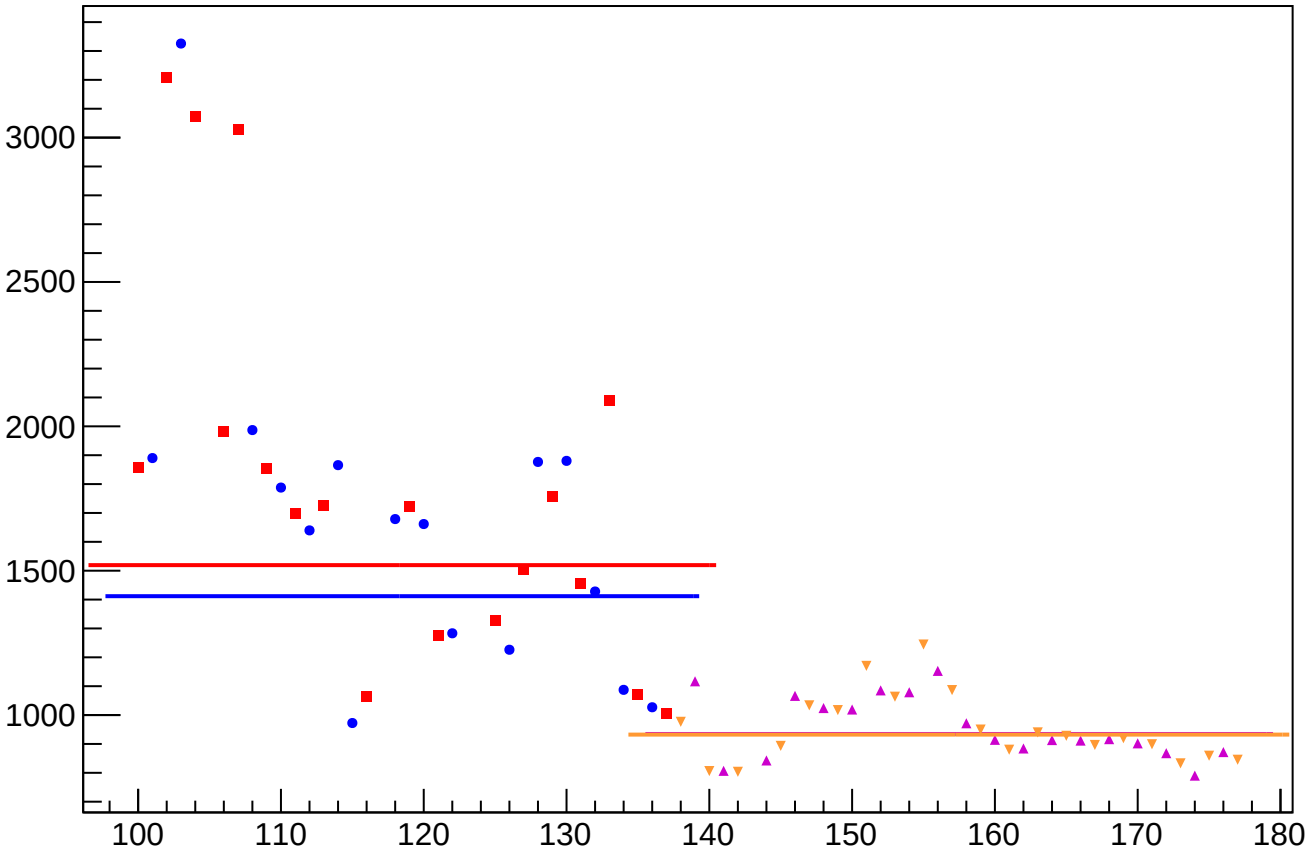
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -262.391+/-238.934 χ^2/NDF:23.0/18

+ sign -982.097+/-217.096 χ^2/NDF: 79.8/35

All: -681.600+/-155.060 χ^2/NDF: 123.1/72

- sign -368.656+/-221.547 χ^2/NDF: 39.4/36



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 932.357+/-0.167 χ^2/NDF:390689.6/19

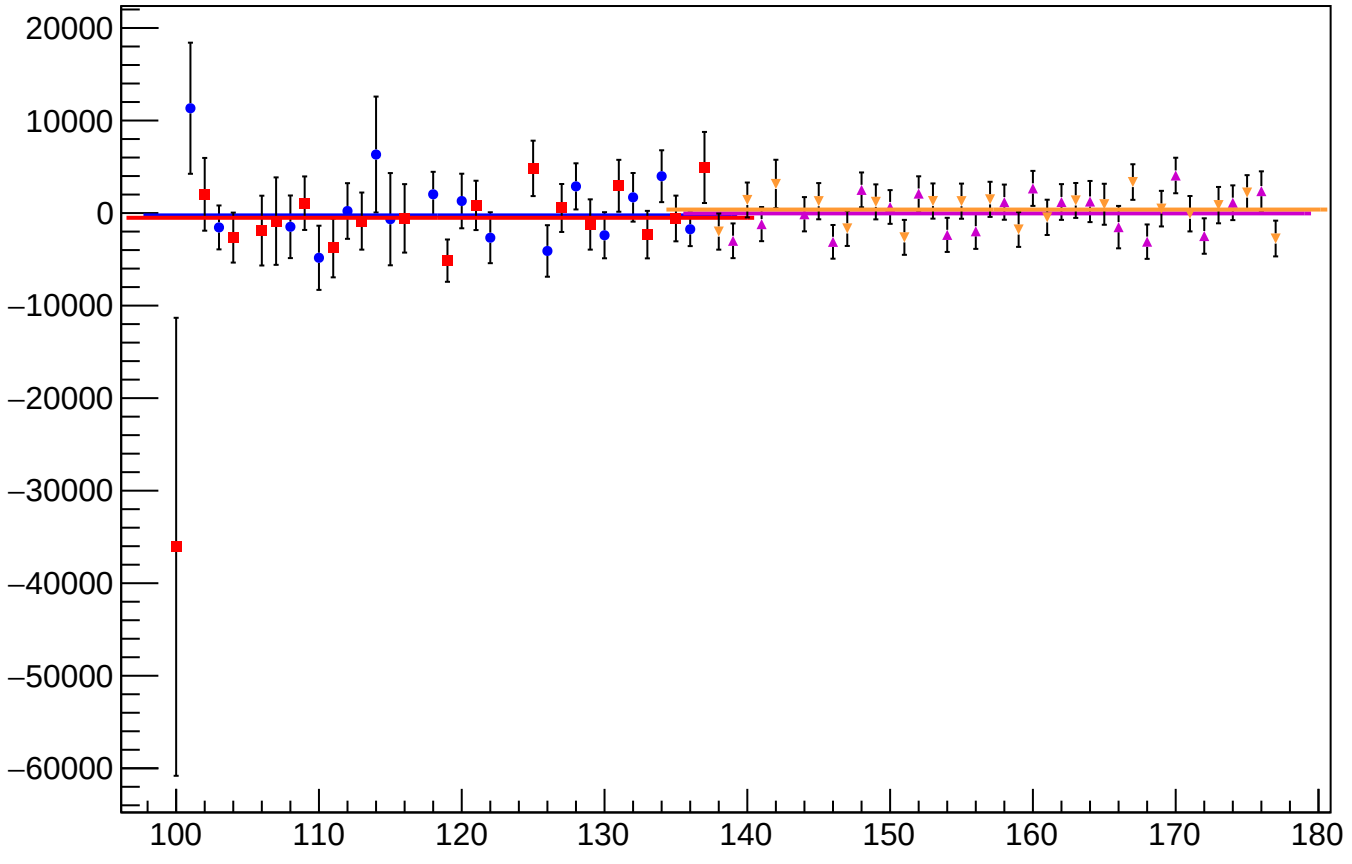
Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 934.494+/-0.169 χ^2/NDF:371673.0/18

+ sign 1006.821+/-0.154 χ^2/NDF: 2847969.1/35

All: 1011.567+/-0.110 χ^2/NDF: 6262015.3/72

- sign 1016.509+/-0.157 χ^2/NDF: 3412095.3/36



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 379.590+/-434.964 χ^2/NDF:15.7/19

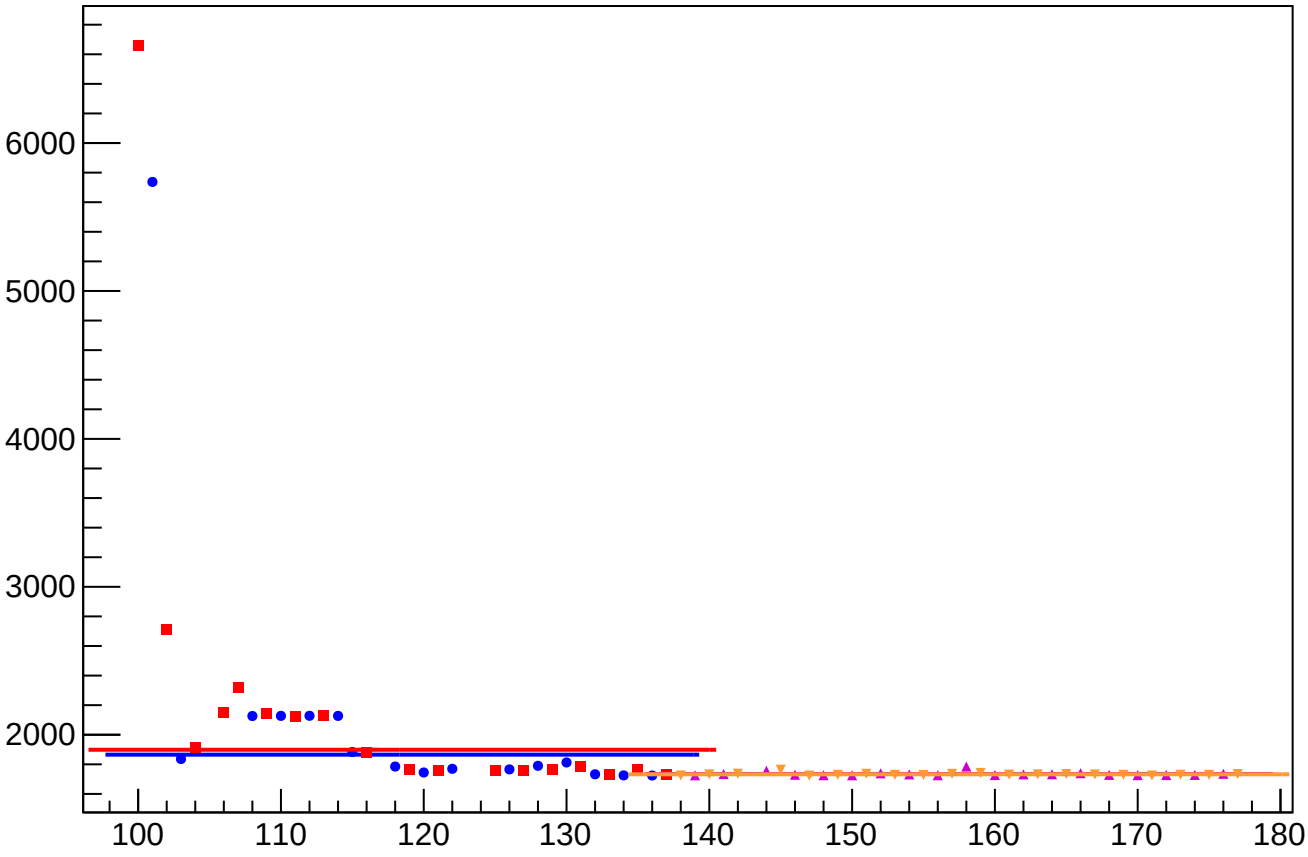
Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: -34.975+/-440.072 χ^2/NDF:25.8/18

+ sign 207.219+/-370.893 χ^2/NDF: 32.0/35

All: 22.881+/-263.644 χ^2/NDF: 74.9/72

- sign -165.400+/-374.838 χ^2/NDF: 42.5/36



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.554+/-0.308 χ^2/NDF:732.4/19

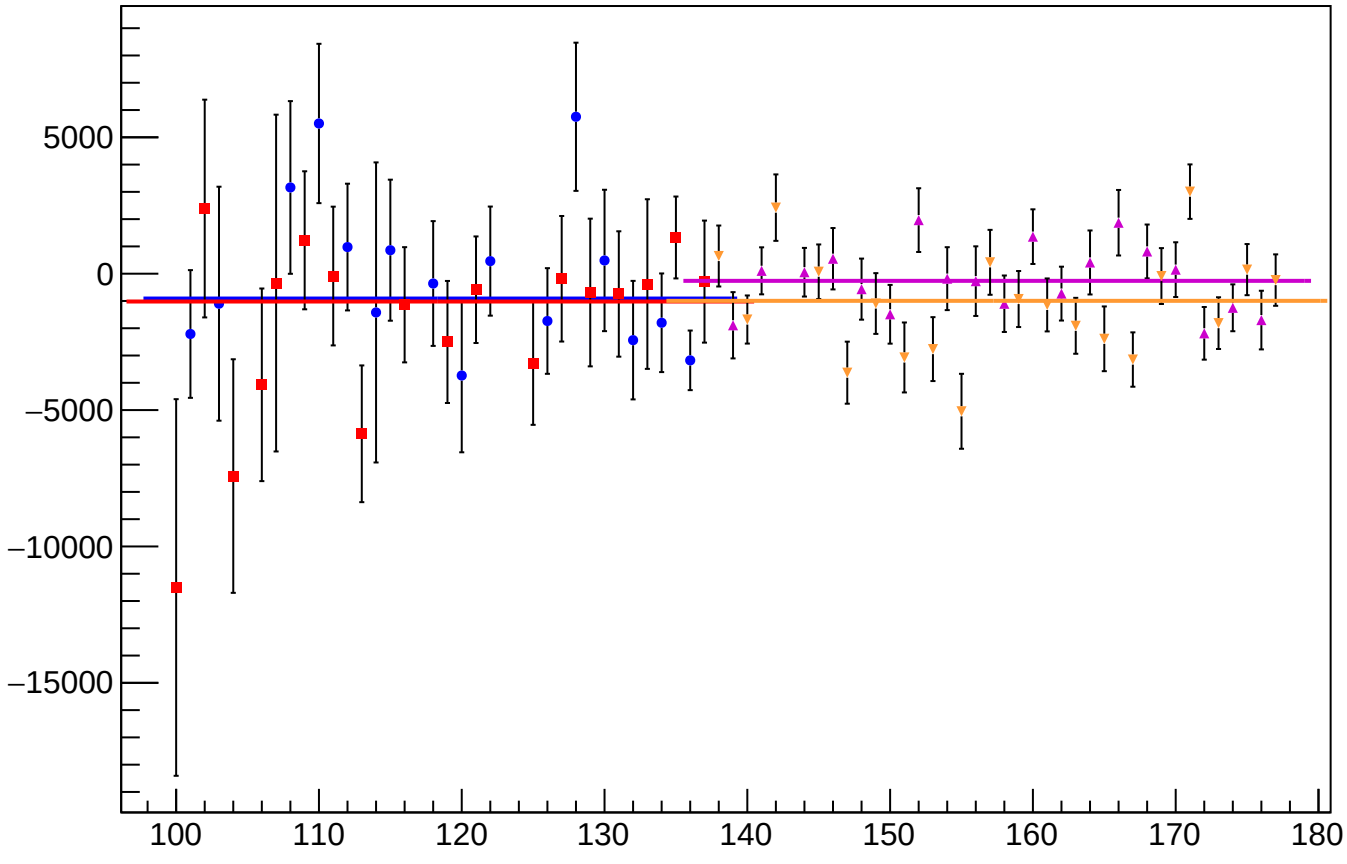
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.882+/-0.311 χ^2/NDF:2033.2/18

+ sign 1768.820+/-0.262 χ^2/NDF: 726665.9/35

All: 1774.263+/-0.186 χ^2/NDF: 1074664.9/72

- sign 1779.823+/-0.265 χ^2/NDF: 347128.2/36



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -995.179+/-236.216 χ^2/NDF:58.8/19

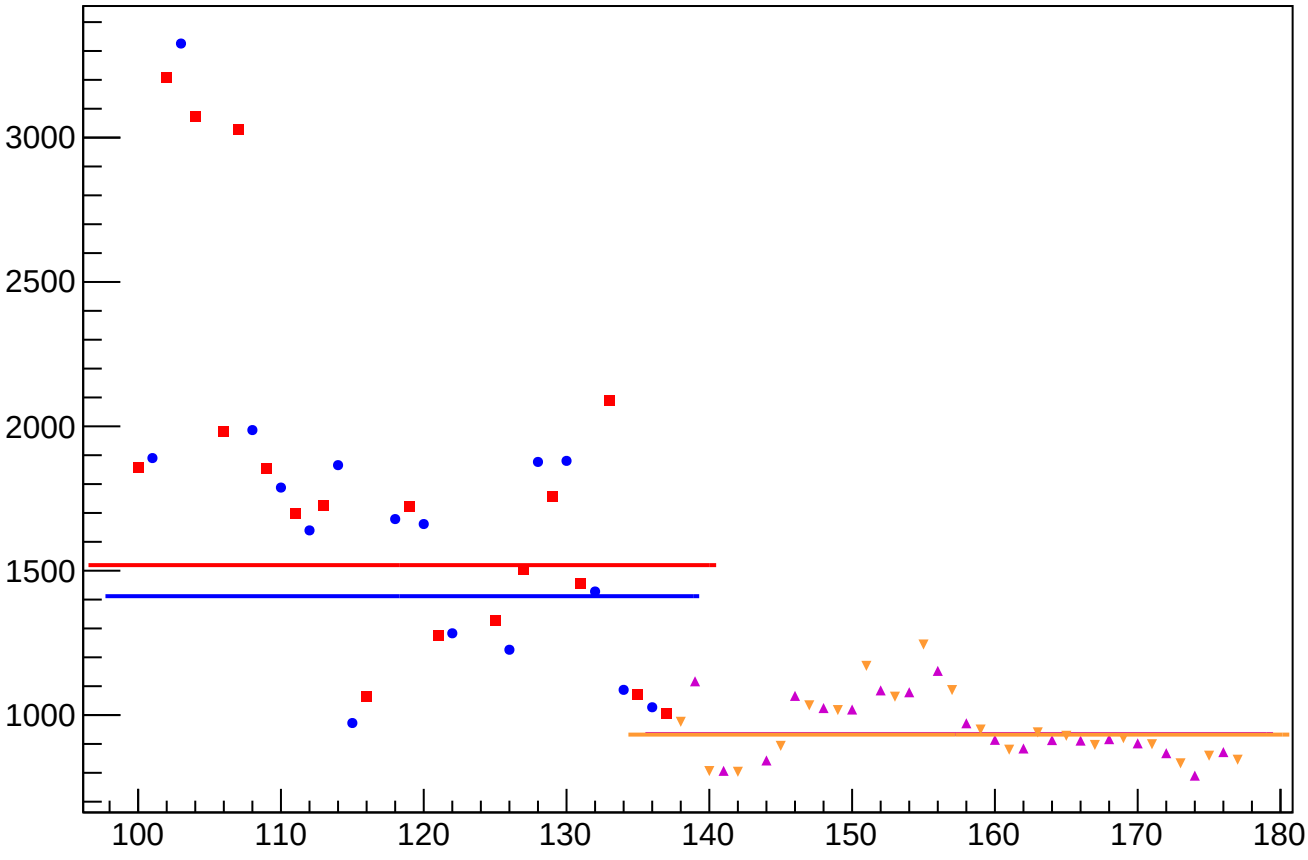
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -262.389+/-238.934 χ^2/NDF:23.0/18

+ sign -982.095+/-217.096 χ^2/NDF: 79.8/35

All: -681.599+/-155.060 χ^2/NDF: 123.1/72

- sign -368.655+/-221.547 χ^2/NDF: 39.4/36



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 932.356+/-0.167 χ^2/NDF:390697.9/19

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

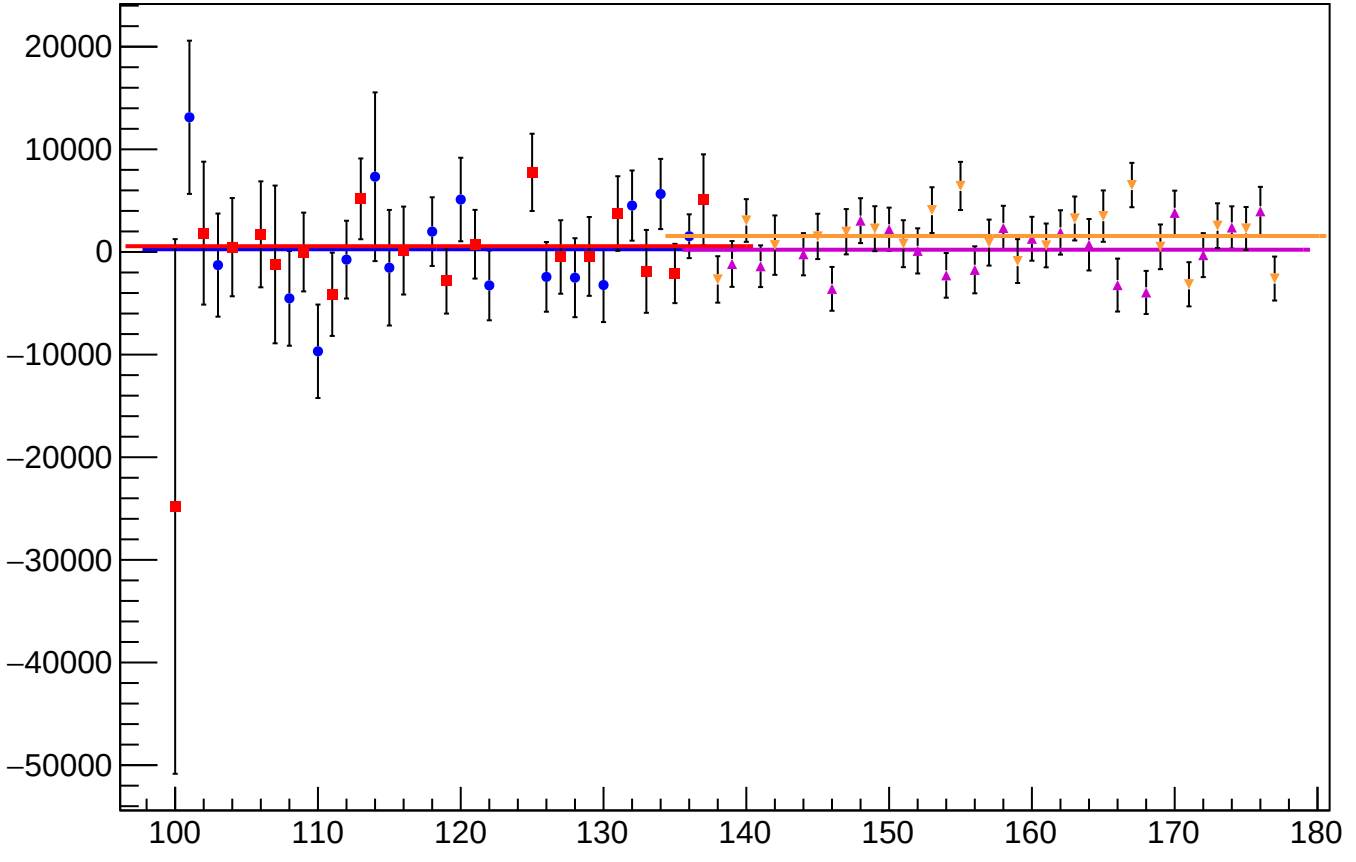
Left In: 934.494+/-0.169 χ^2/NDF:371681.3/18

+ sign 1006.821+/-0.154 χ^2/NDF: 2847966.9/35

All: 1011.566+/-0.110 χ^2/NDF: 6262016.1/72

- sign 1016.509+/-0.157 χ^2/NDF: 3412098.3/36

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1557.515+/-496.854 χ^2/NDF:27.1/19

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

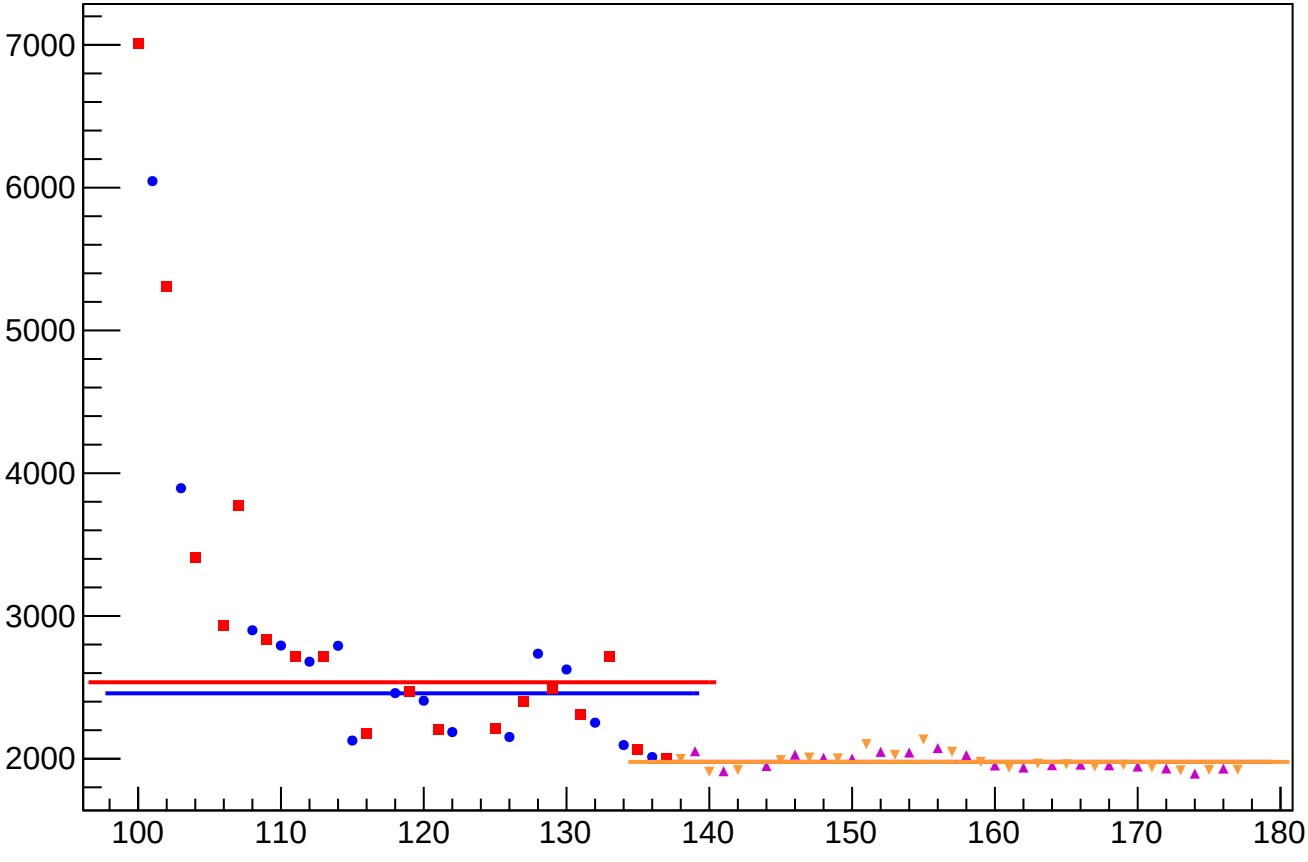
Left In: 219.486+/-502.099 χ^2/NDF:22.8/18

+ sign 1276.055+/-439.468 χ^2/NDF: 47.6/35

All: 790.653+/-312.762 χ^2/NDF: 84.8/72

- sign 292.481+/-445.211 χ^2/NDF: 34.7/36

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1977.927+/-0.351 χ^2/NDF:28035.8/19

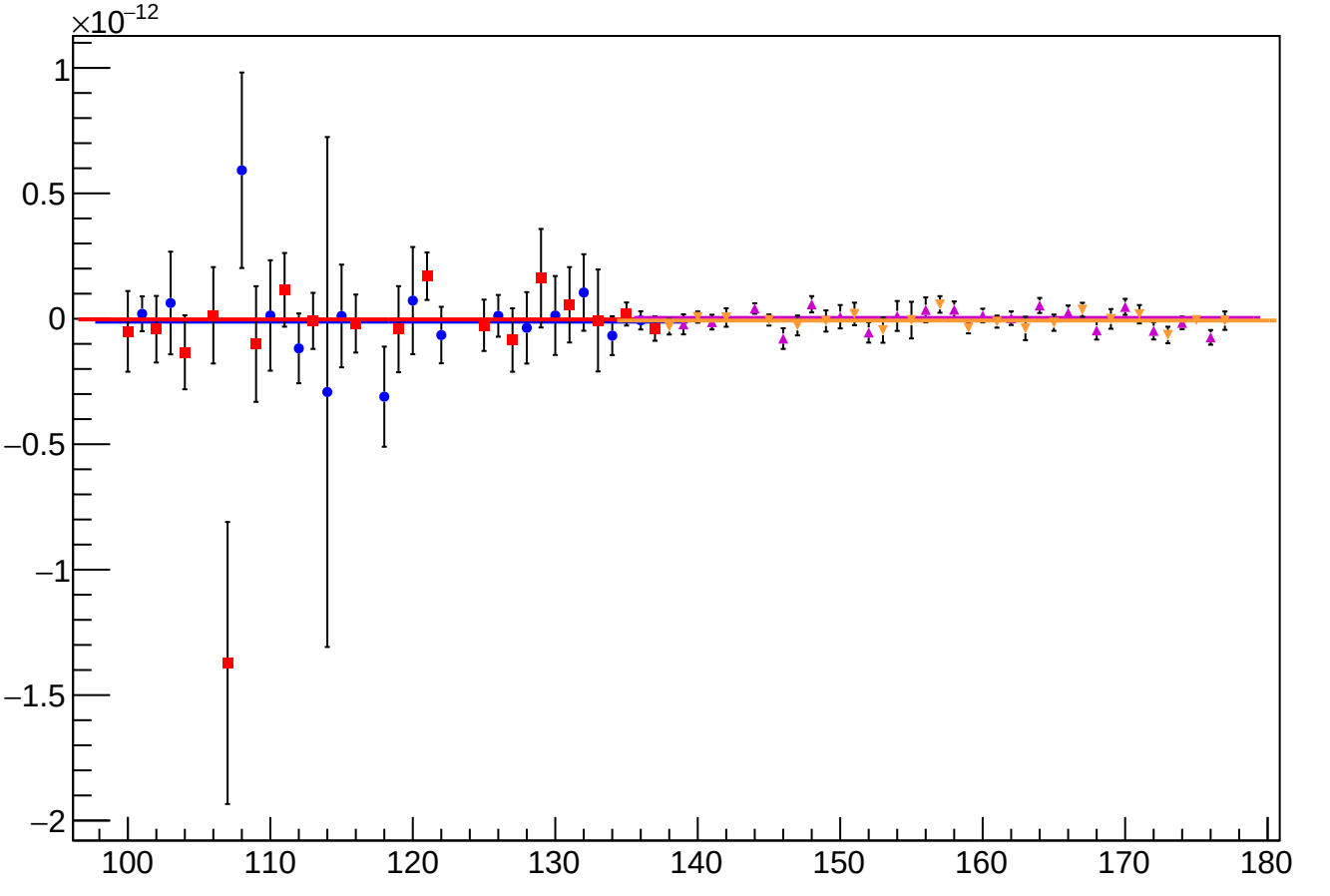
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1978.549+/-0.355 χ^2/NDF:21592.1/18

+ sign 2082.491+/-0.311 χ^2/NDF: 1267890.6/35

All: 2089.979+/-0.221 χ^2/NDF: 2490571.5/72

- sign 2097.665+/-0.315 χ^2/NDF: 1221504.0/36



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/19

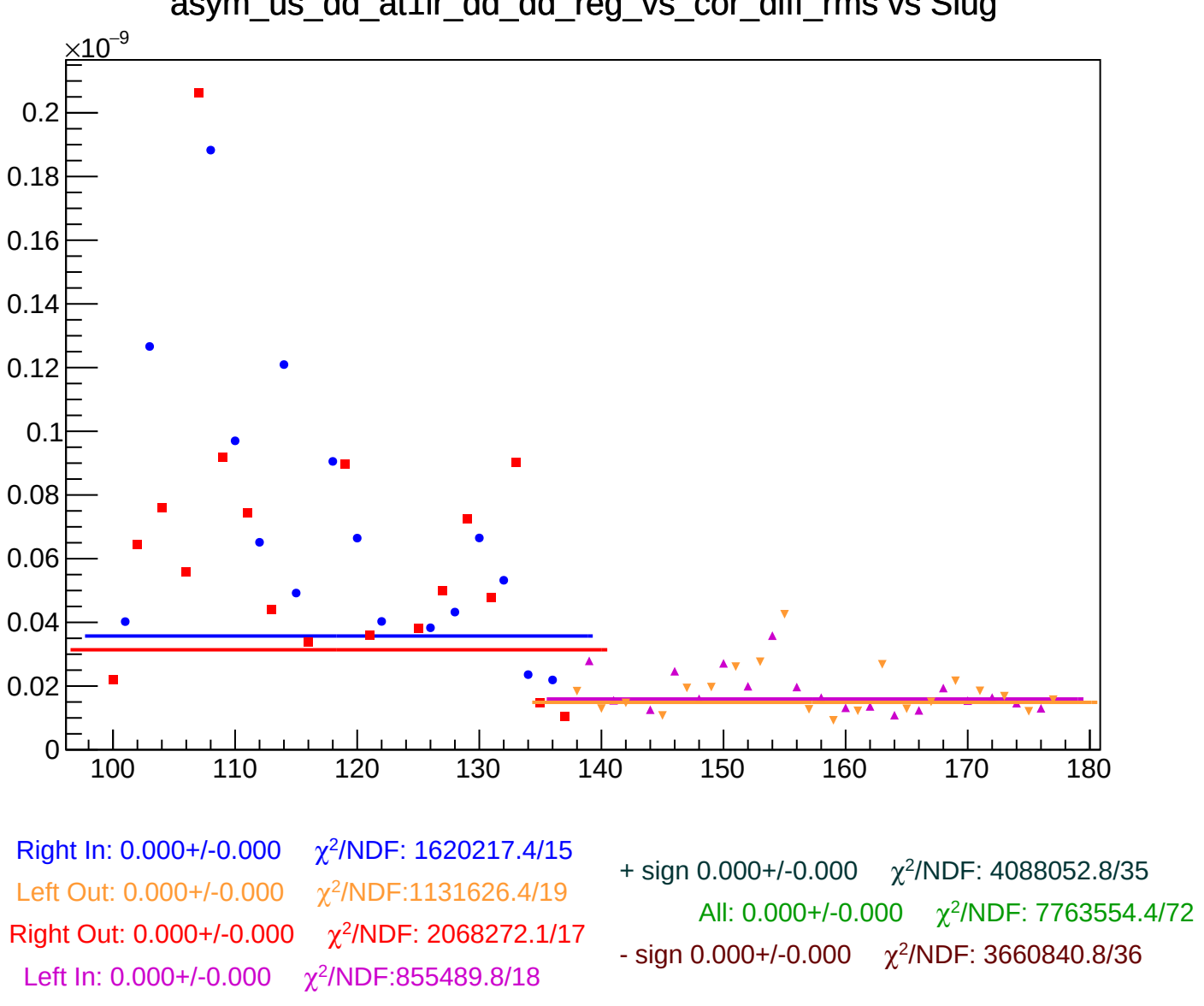
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

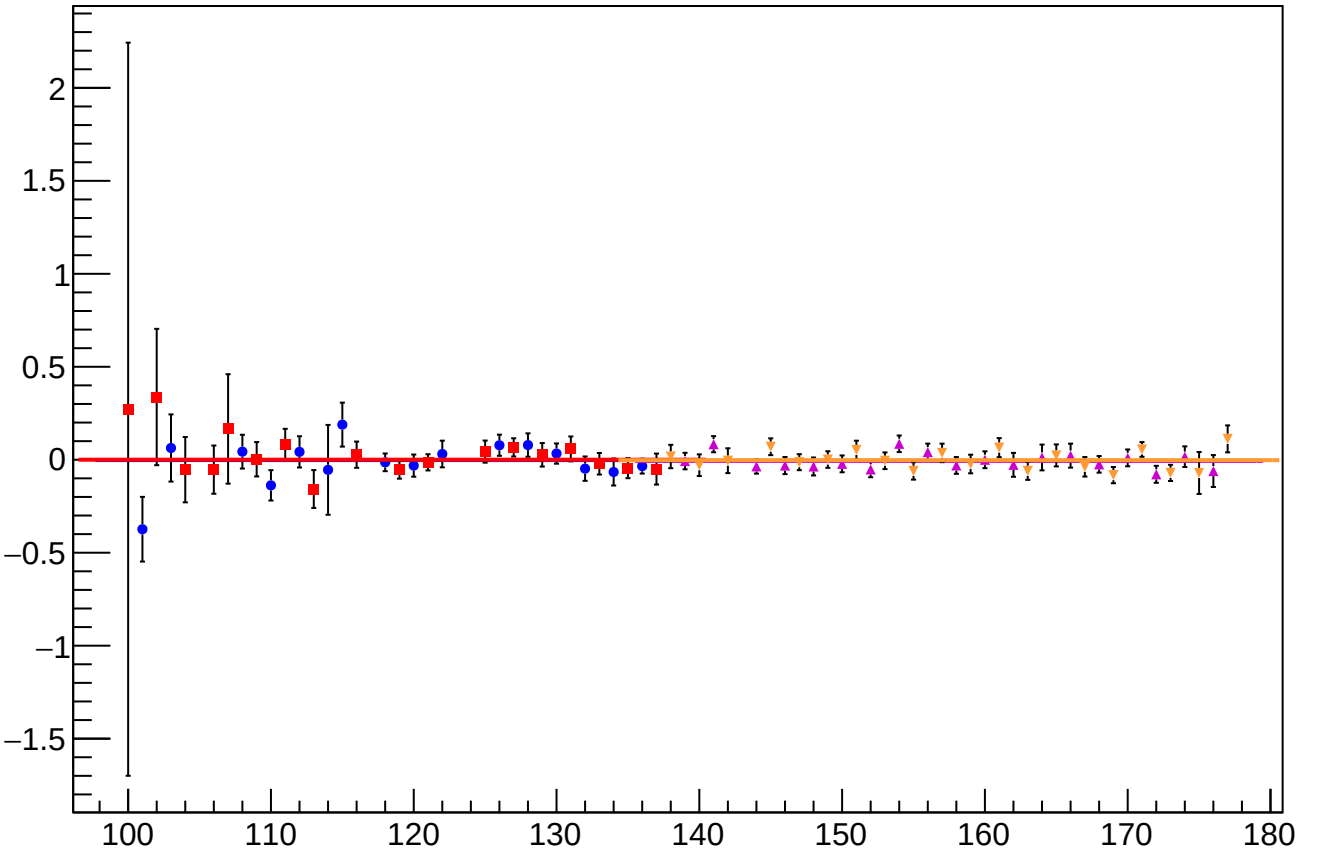
Left In: 0.000+/-0.000 χ^2/NDF:31.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/35

All: -0.000+/-0.000 χ^2/NDF: 67.0/72

- sign 0.000+/-0.000 χ^2/NDF: 44.3/36


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:1131626.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:855489.8/18
+ sign 0.000+/-0.000 χ²/NDF: 4088052.8/35
All: 0.000+/-0.000 χ²/NDF: 7763554.4/72
- sign 0.000+/-0.000 χ²/NDF: 3660840.8/36



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.002+/-0.011 χ^2/NDF:21.1/19

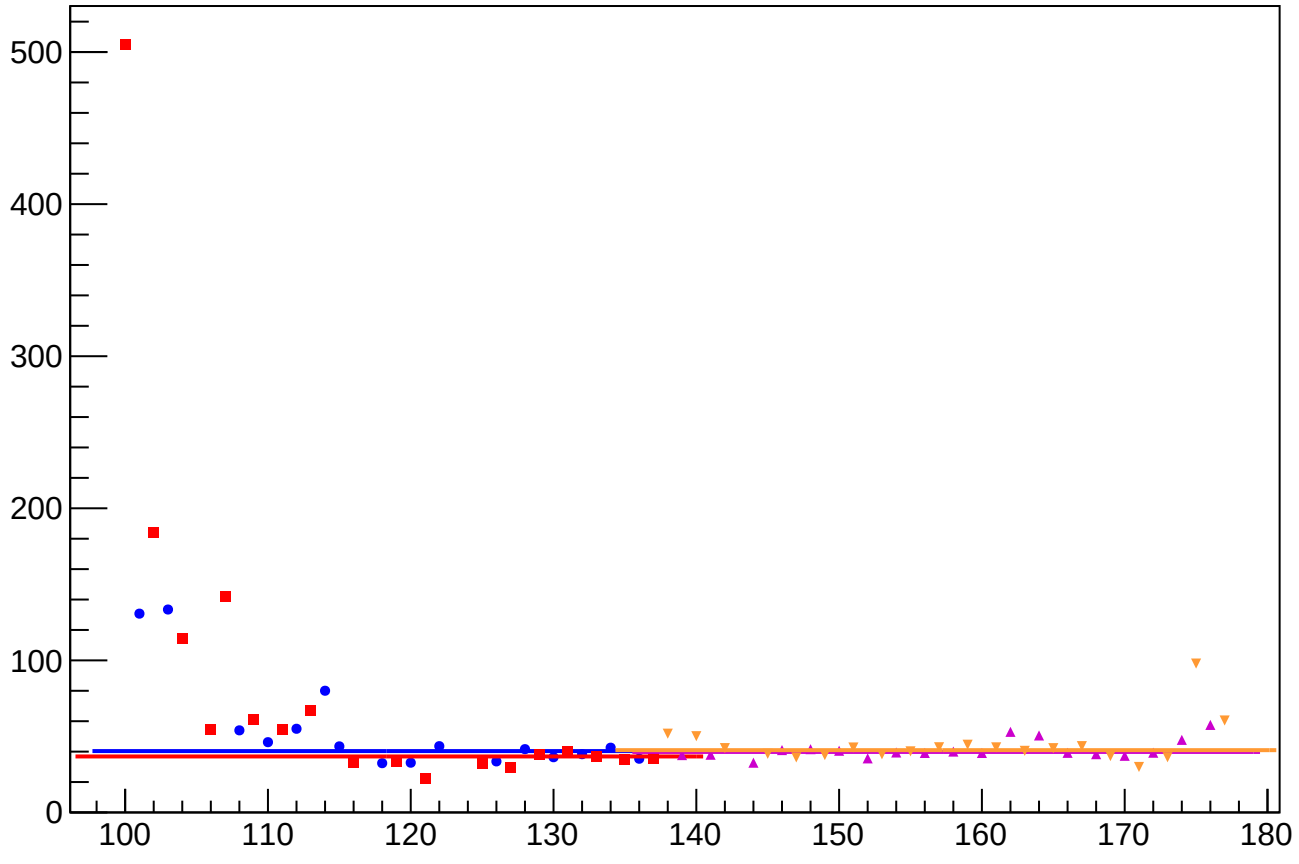
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:16.2/18

+ sign -0.002+/-0.009 χ^2/NDF: 38.2/35

All: -0.003+/-0.007 χ^2/NDF: 65.5/72

- sign -0.004+/-0.009 χ^2/NDF: 27.2/36



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.959+/-0.008 χ^2/NDF:1031169.0/19

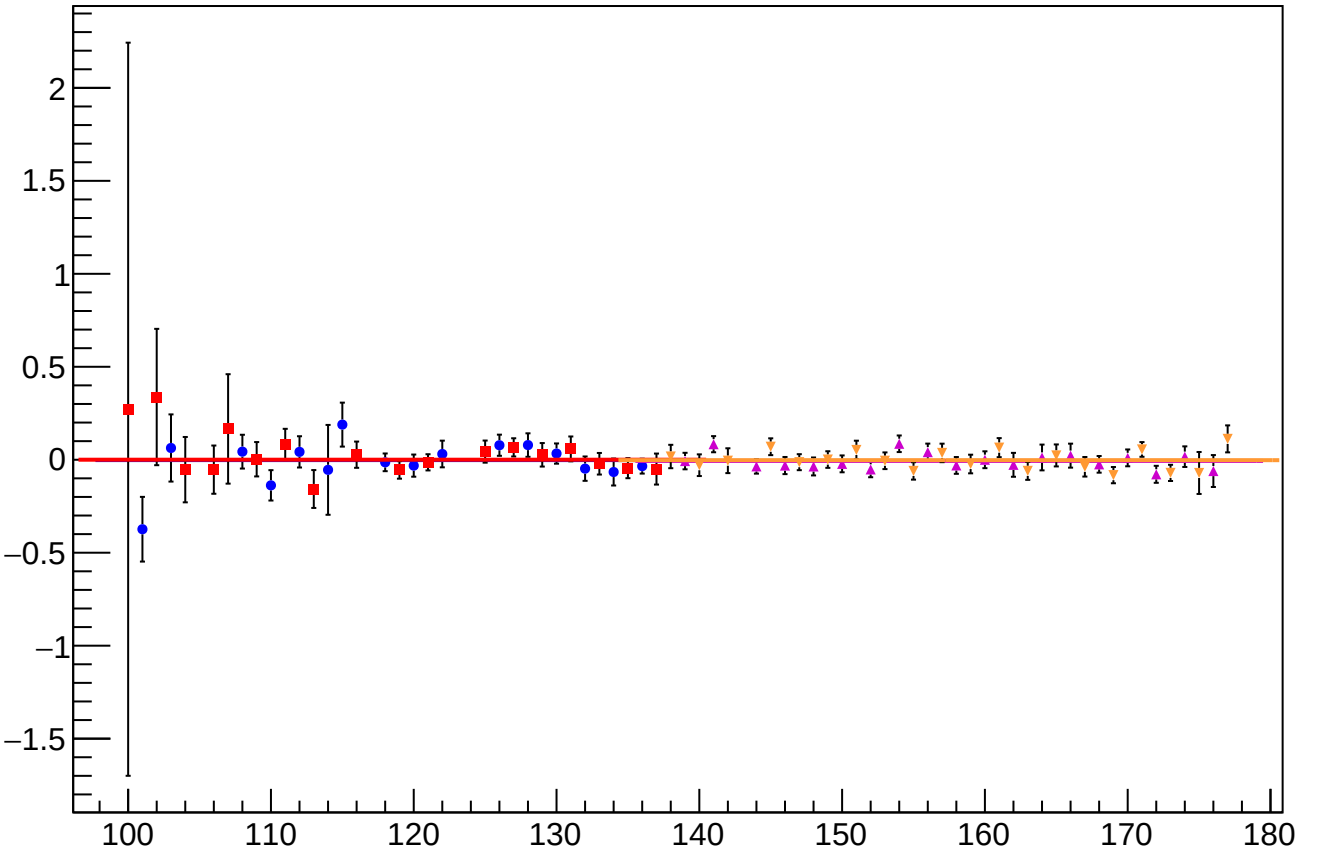
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.806+/-0.008 χ^2/NDF:369242.4/18

+ sign 40.775+/-0.007 χ^2/NDF: 2443068.9/35

All: 39.815+/-0.005 χ^2/NDF: 4734648.3/72

- sign 38.898+/-0.007 χ^2/NDF: 2250863.2/36



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.002+/-0.011 χ^2/NDF:21.1/19

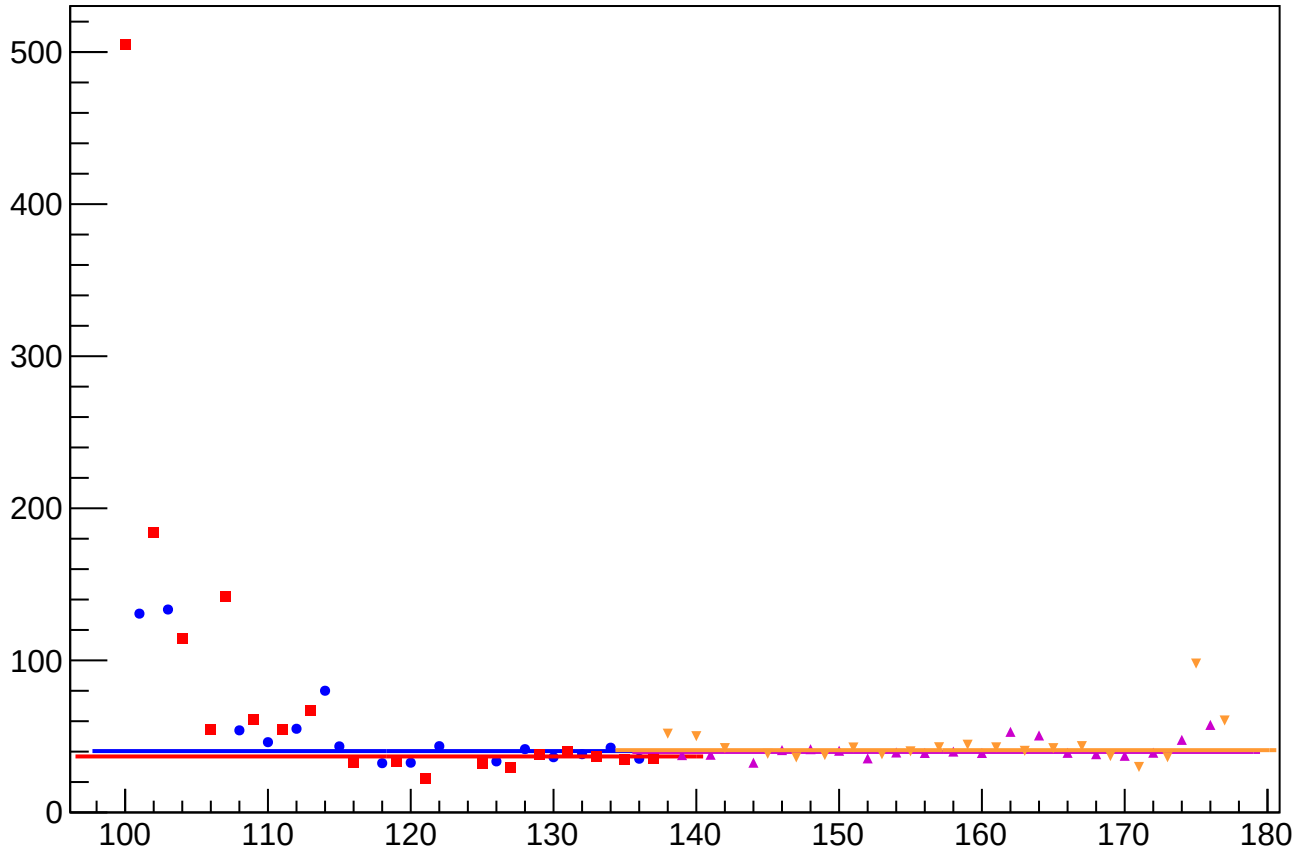
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:16.2/18

+ sign -0.002+/-0.009 χ^2/NDF: 38.2/35

All: -0.003+/-0.007 χ^2/NDF: 65.5/72

- sign -0.004+/-0.009 χ^2/NDF: 27.2/36



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.959+/-0.008 χ^2/NDF:1031169.0/19

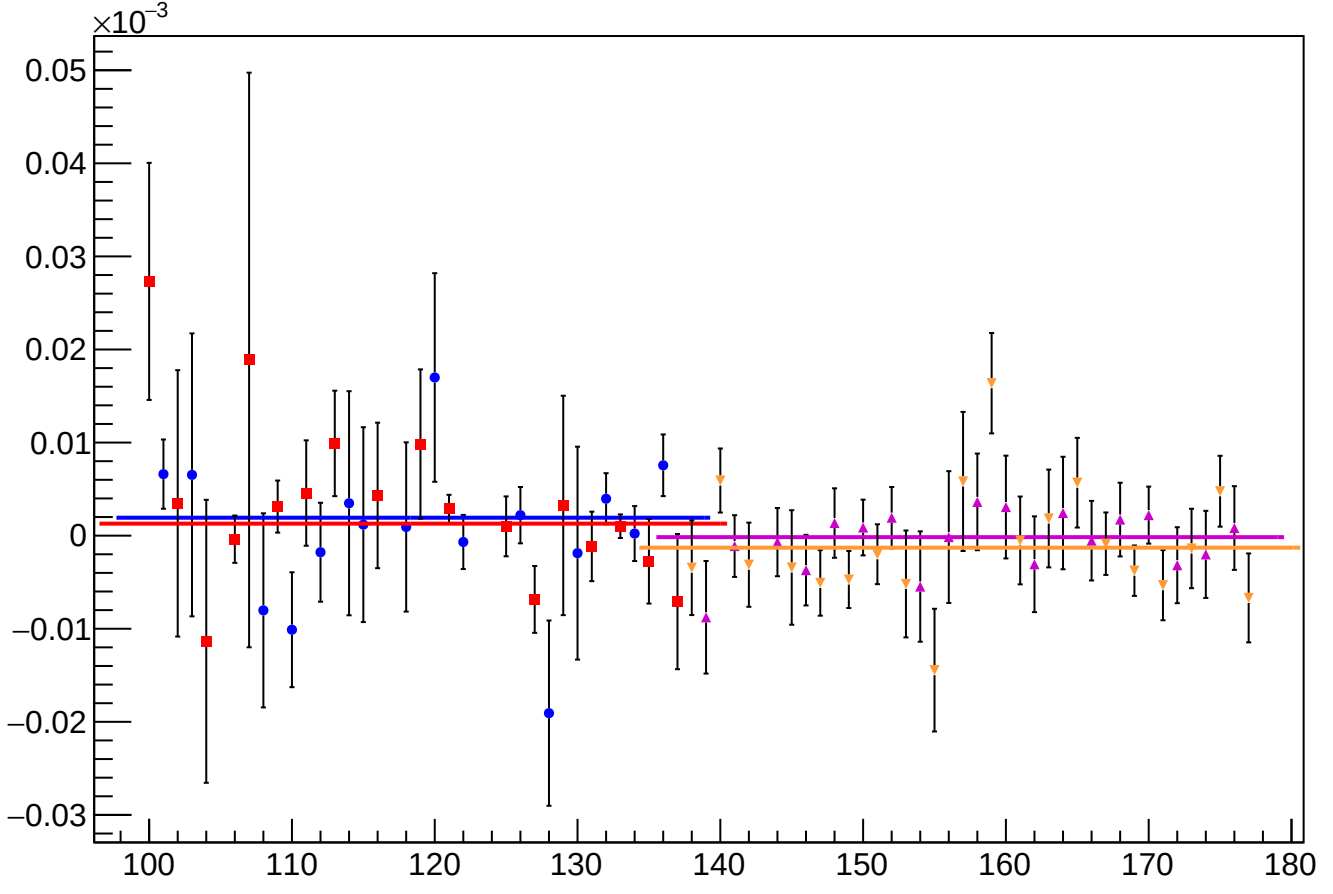
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.806+/-0.008 χ^2/NDF:369242.4/18

\+ sign 40.775+/-0.007 χ^2/NDF: 2443068.9/35

All: 39.815+/-0.005 χ^2/NDF: 4734648.3/72

\- sign 38.898+/-0.007 χ^2/NDF: 2250863.2/36



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/19

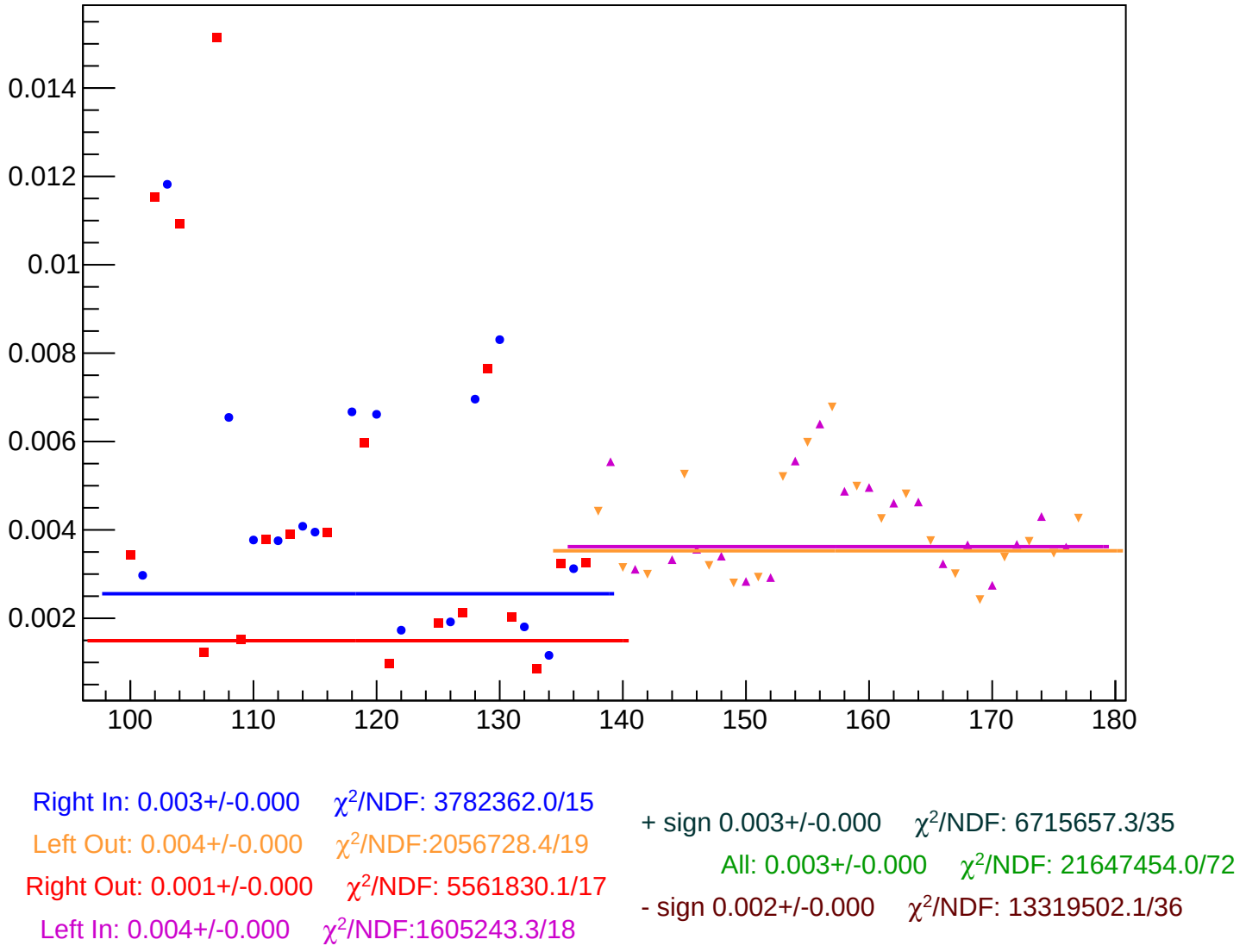
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

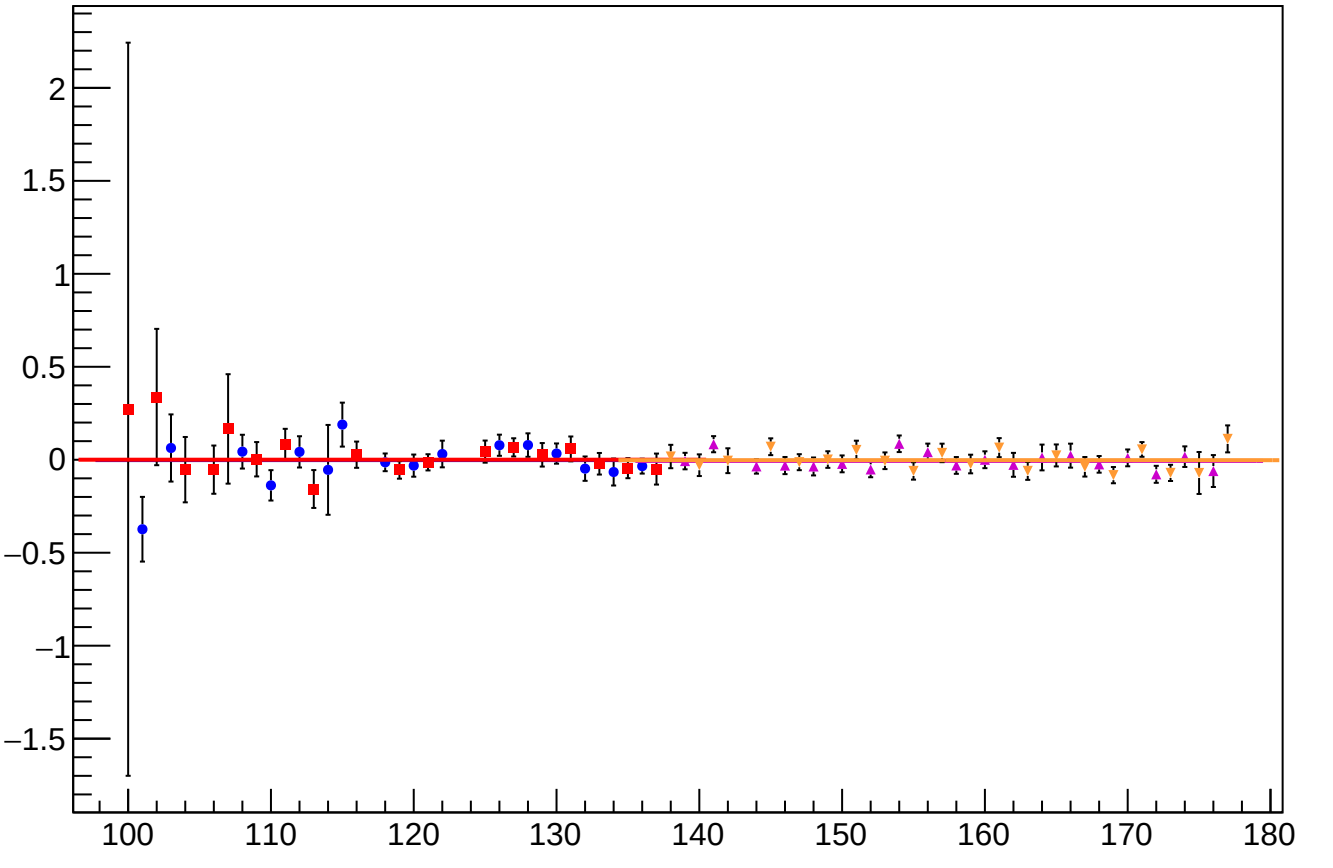
Left In: -0.000+/-0.000 χ^2/NDF:7.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/35

All: 0.000+/-0.000 χ^2/NDF: 82.8/72

- sign 0.000+/-0.000 χ^2/NDF: 27.8/36


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:2056728.4/19
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1605243.3/18
+ sign 0.003+/-0.000 χ²/NDF: 6715657.3/35
All: 0.003+/-0.000 χ²/NDF: 21647454.0/72
- sign 0.002+/-0.000 χ²/NDF: 13319502.1/36



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.002+/-0.011 χ^2/NDF:21.1/19

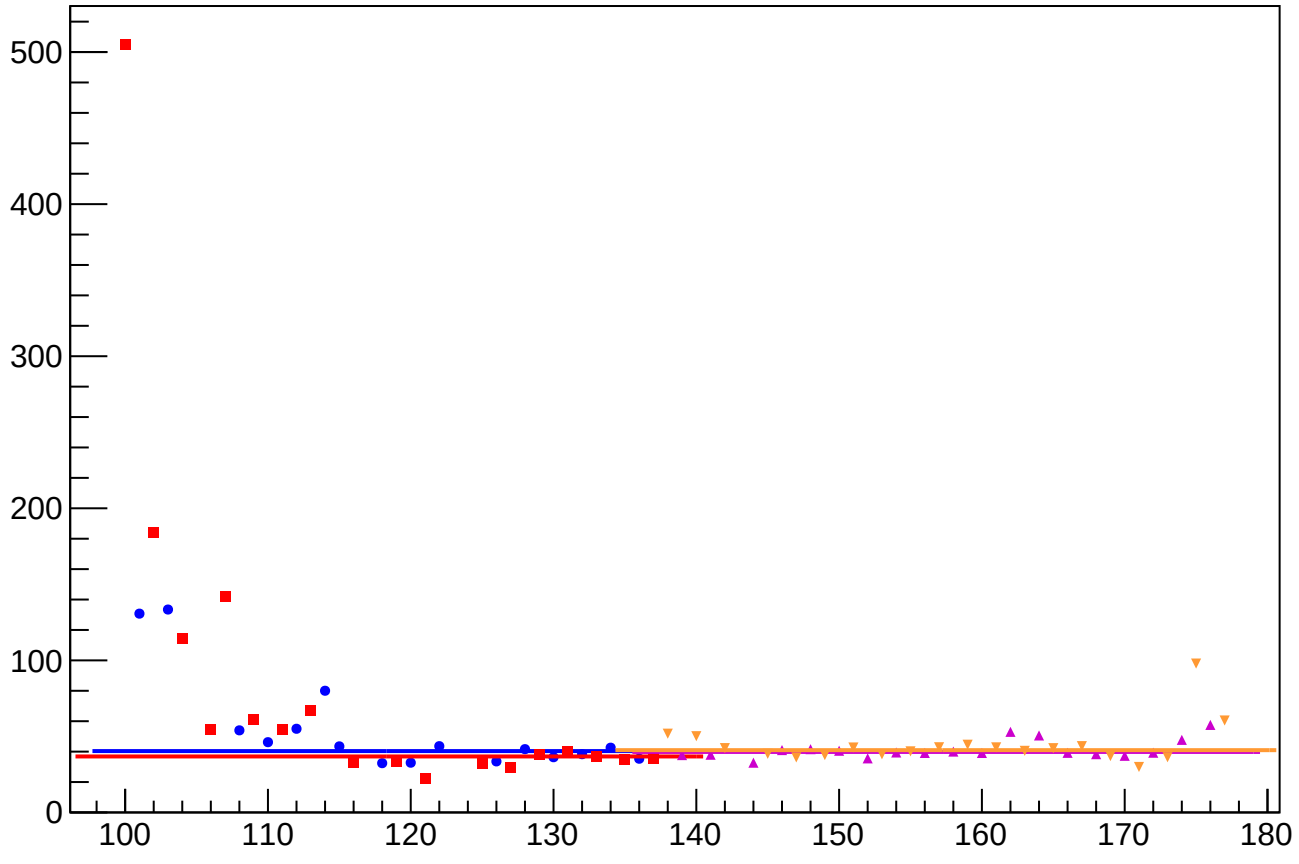
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.006+/-0.011 χ^2/NDF:16.2/18

+ sign -0.002+/-0.009 χ^2/NDF: 38.2/35

All: -0.003+/-0.007 χ^2/NDF: 65.5/72

- sign -0.004+/-0.009 χ^2/NDF: 27.2/36



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.959+/-0.008 χ^2/NDF:1031176.7/19

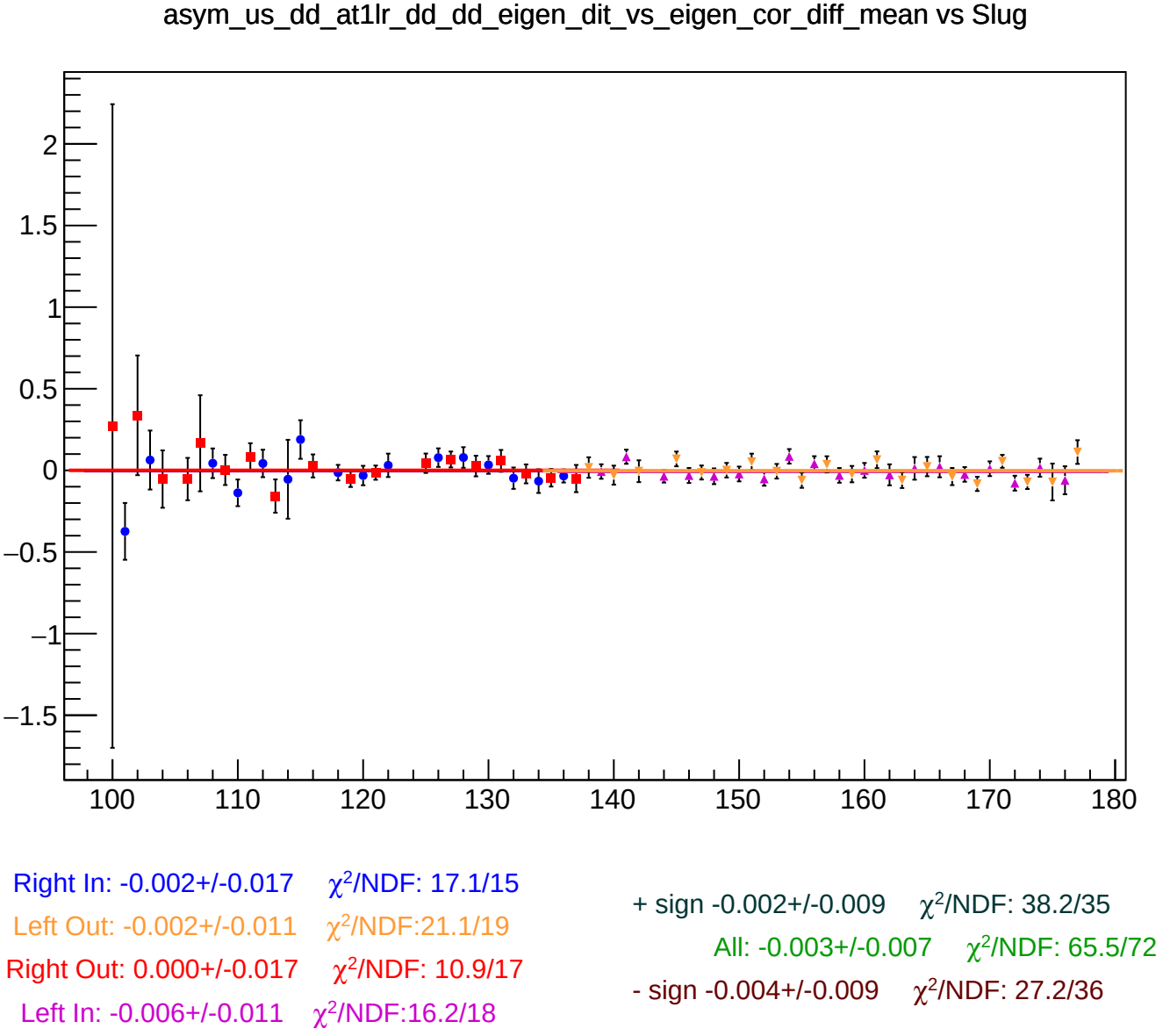
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

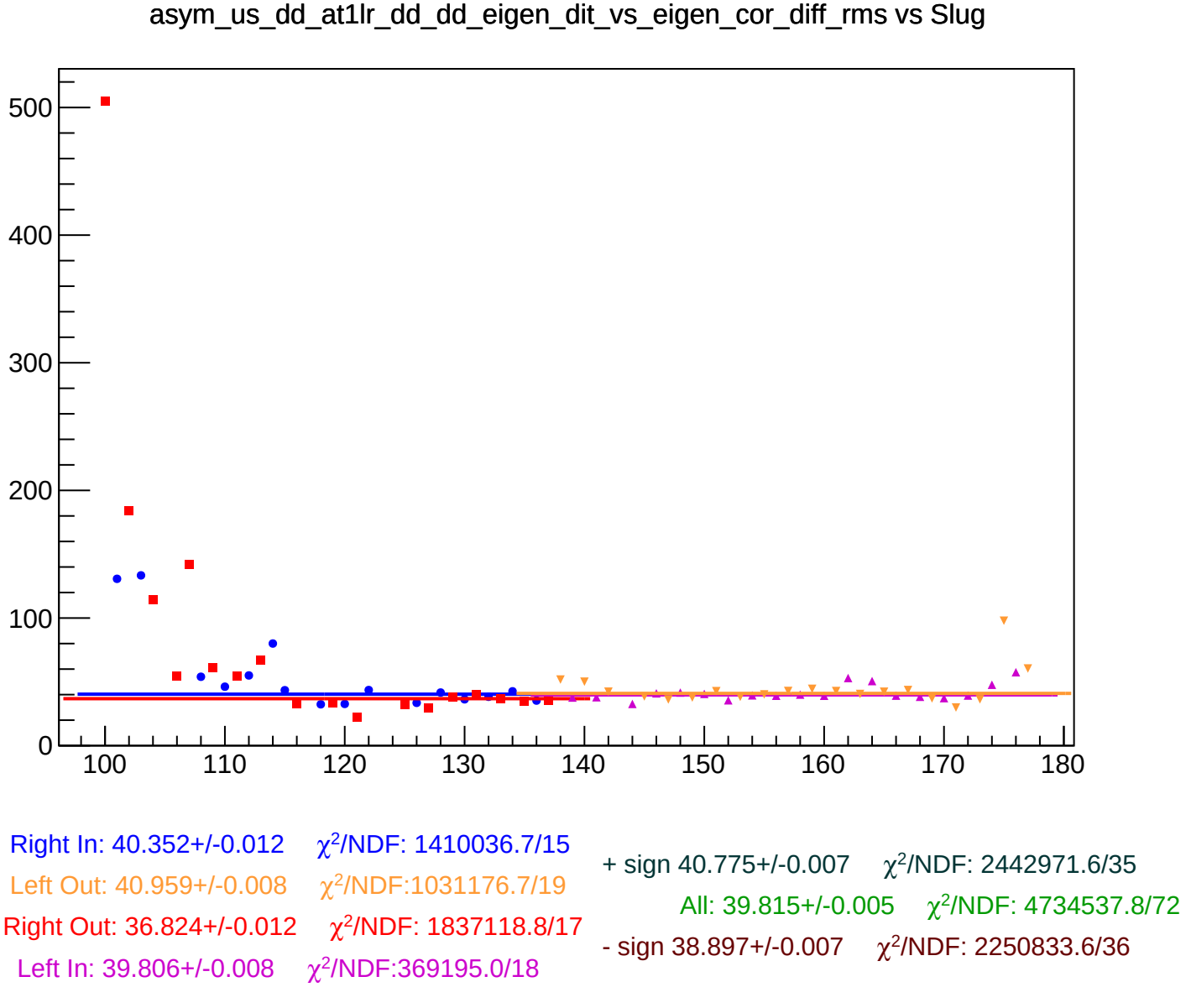
Left In: 39.806+/-0.008 χ^2/NDF:369195.0/18

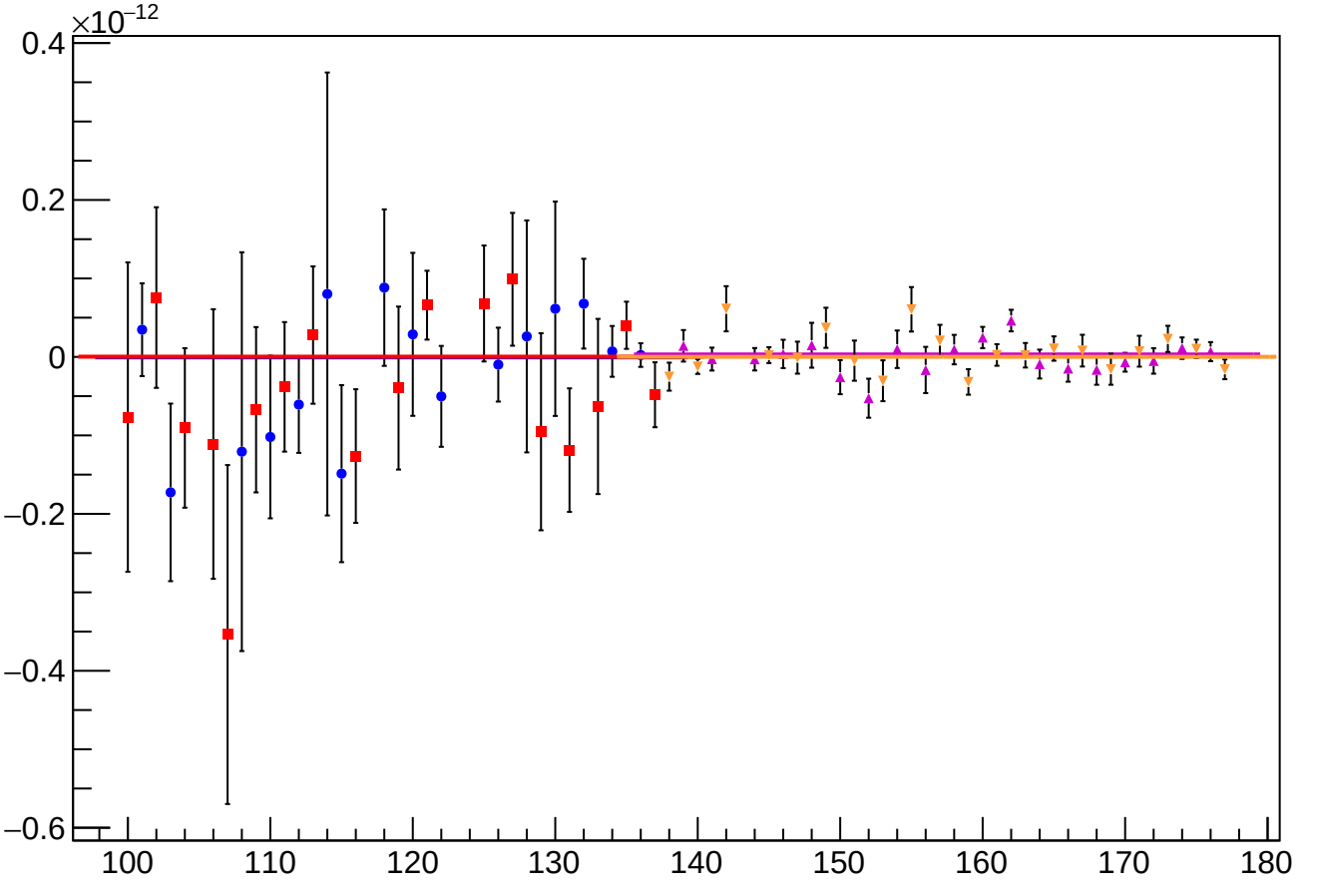
\+ sign 40.775+/-0.007 χ^2/NDF: 2442971.6/35

All: 39.815+/-0.005 χ^2/NDF: 4734537.8/72

\- sign 38.897+/-0.007 χ^2/NDF: 2250833.6/36


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: -0.002+/-0.011 χ²/NDF:21.1/19
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.006+/-0.011 χ²/NDF:16.2/18
+ sign -0.002+/-0.009 χ²/NDF: 38.2/35
All: -0.003+/-0.007 χ²/NDF: 65.5/72
- sign -0.004+/-0.009 χ²/NDF: 27.2/36


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
Right In: 40.352+/-0.012 χ²/NDF: 1410036.7/15
Left Out: 40.959+/-0.008 χ²/NDF:1031176.7/19
Right Out: 36.824+/-0.012 χ²/NDF: 1837118.8/17
Left In: 39.806+/-0.008 χ²/NDF:369195.0/18
+ sign 40.775+/-0.007 χ²/NDF: 2442971.6/35
All: 39.815+/-0.005 χ²/NDF: 4734537.8/72
- sign 38.897+/-0.007 χ²/NDF: 2250833.6/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

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

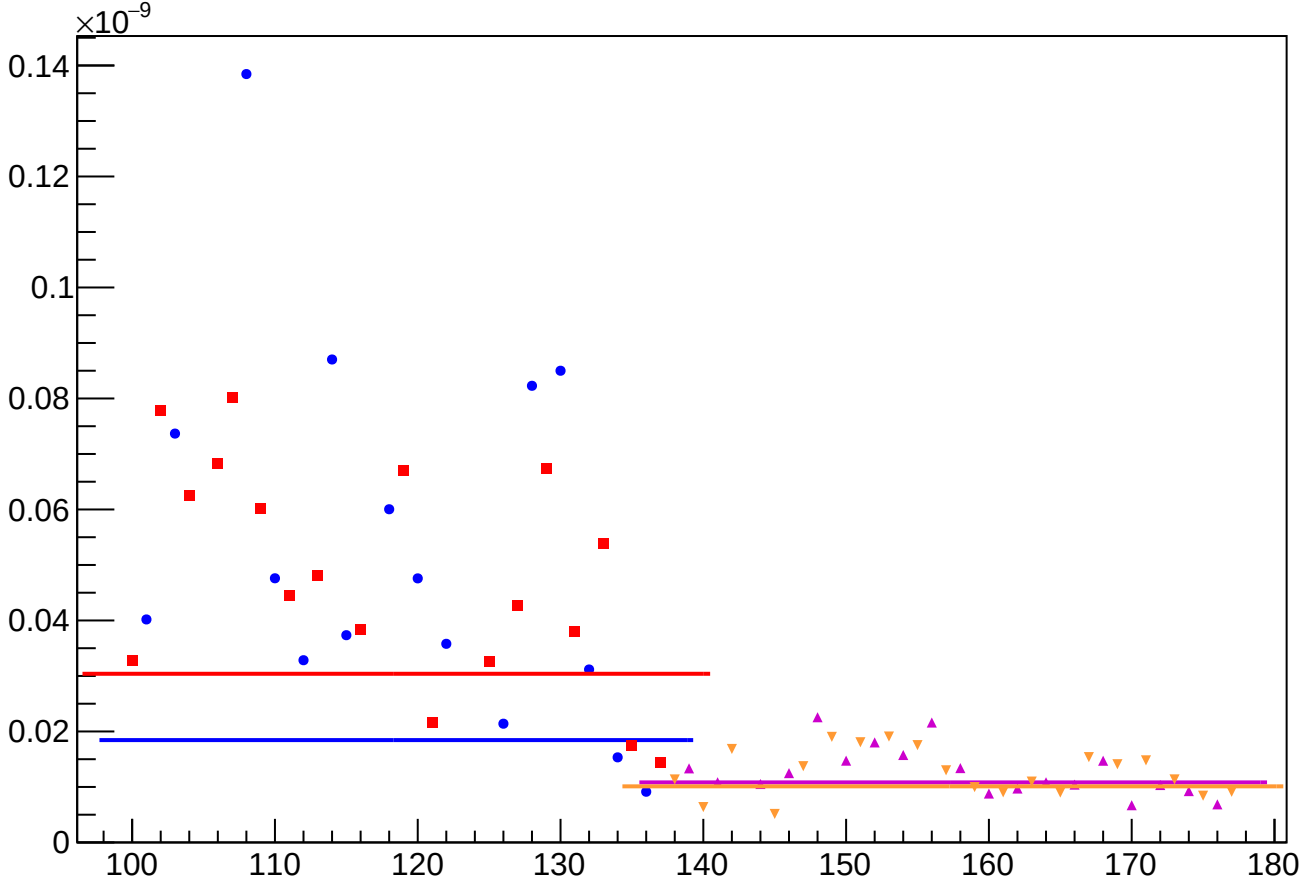
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:24.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/35

All: 0.000+/-0.000 χ^2/NDF: 80.1/72

- sign 0.000+/-0.000 χ^2/NDF: 43.0/36



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2249107.3/19

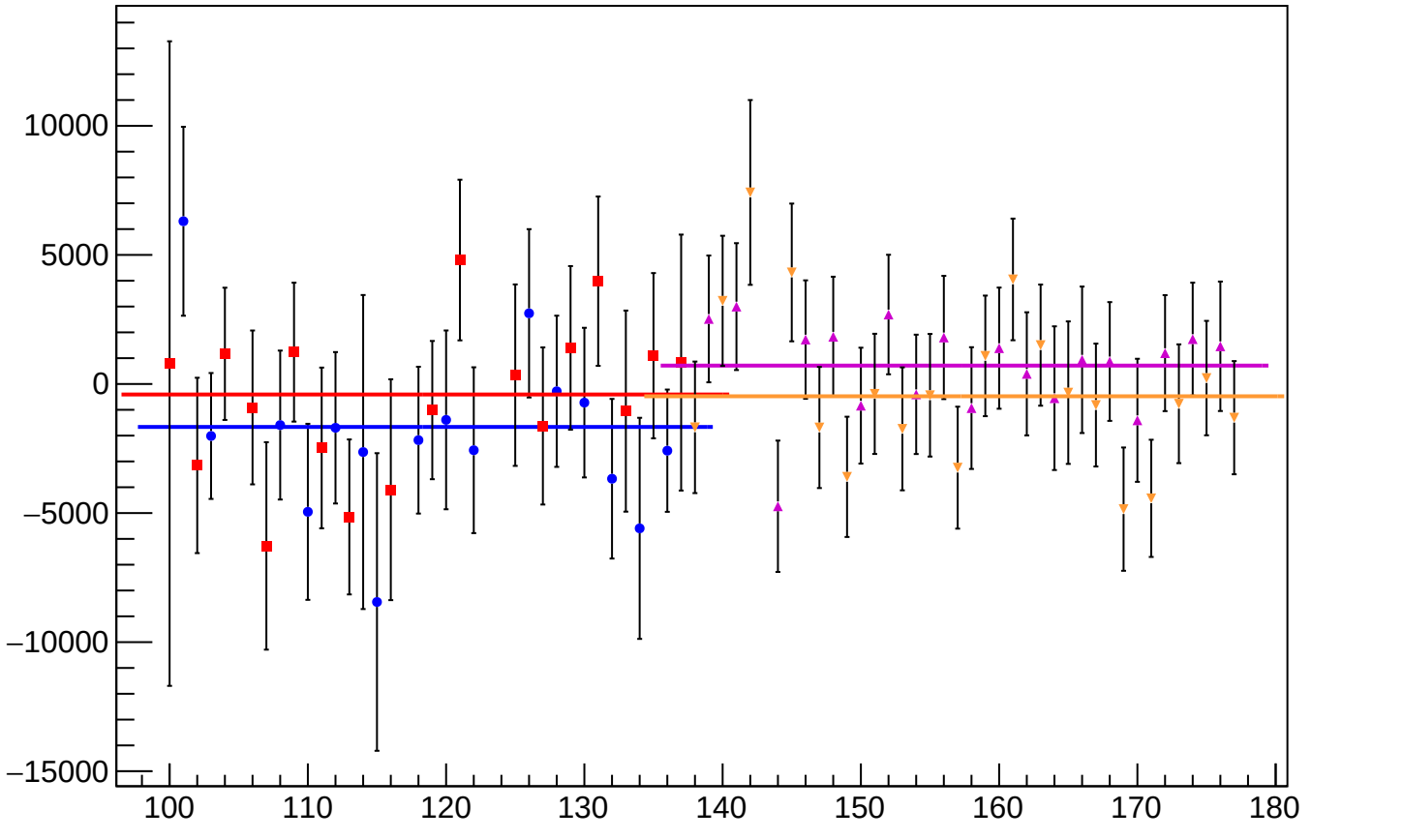
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1625505.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 7220874.8/35

All: 0.000+/-0.000 χ^2/NDF: 13991077.0/72

- sign 0.000+/-0.000 χ^2/NDF: 6694931.5/36



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -476.025+/-539.441 χ^2/NDF:25.7/19

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

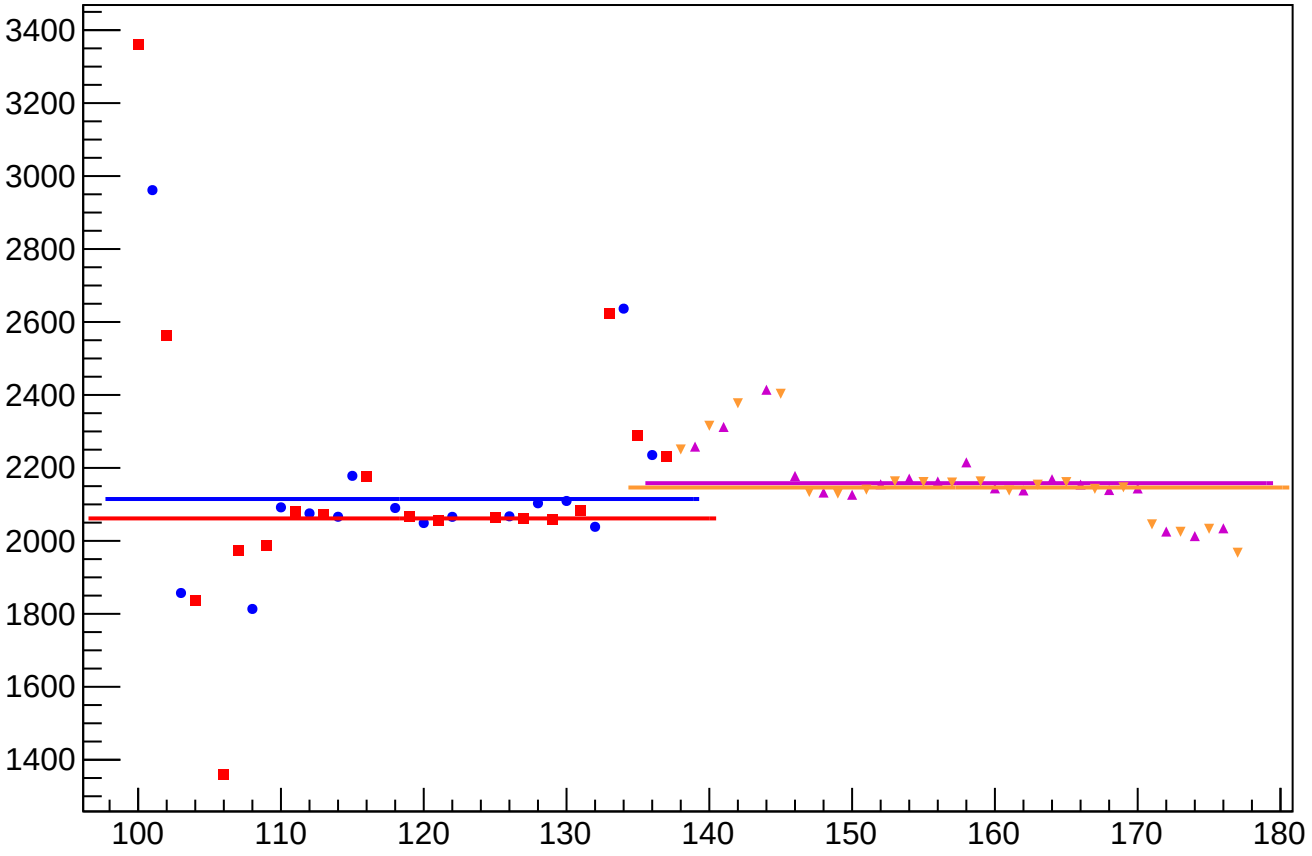
Left In: 712.480+/-547.936 χ^2/NDF:10.0/18

+ sign -852.485+/-445.877 χ^2/NDF: 38.0/35

All: -258.430+/-315.968 χ^2/NDF: 65.7/72

- sign 340.818+/-447.821 χ^2/NDF: 24.1/36

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2146.288+/-0.381 χ^2/NDF:67903.8/19

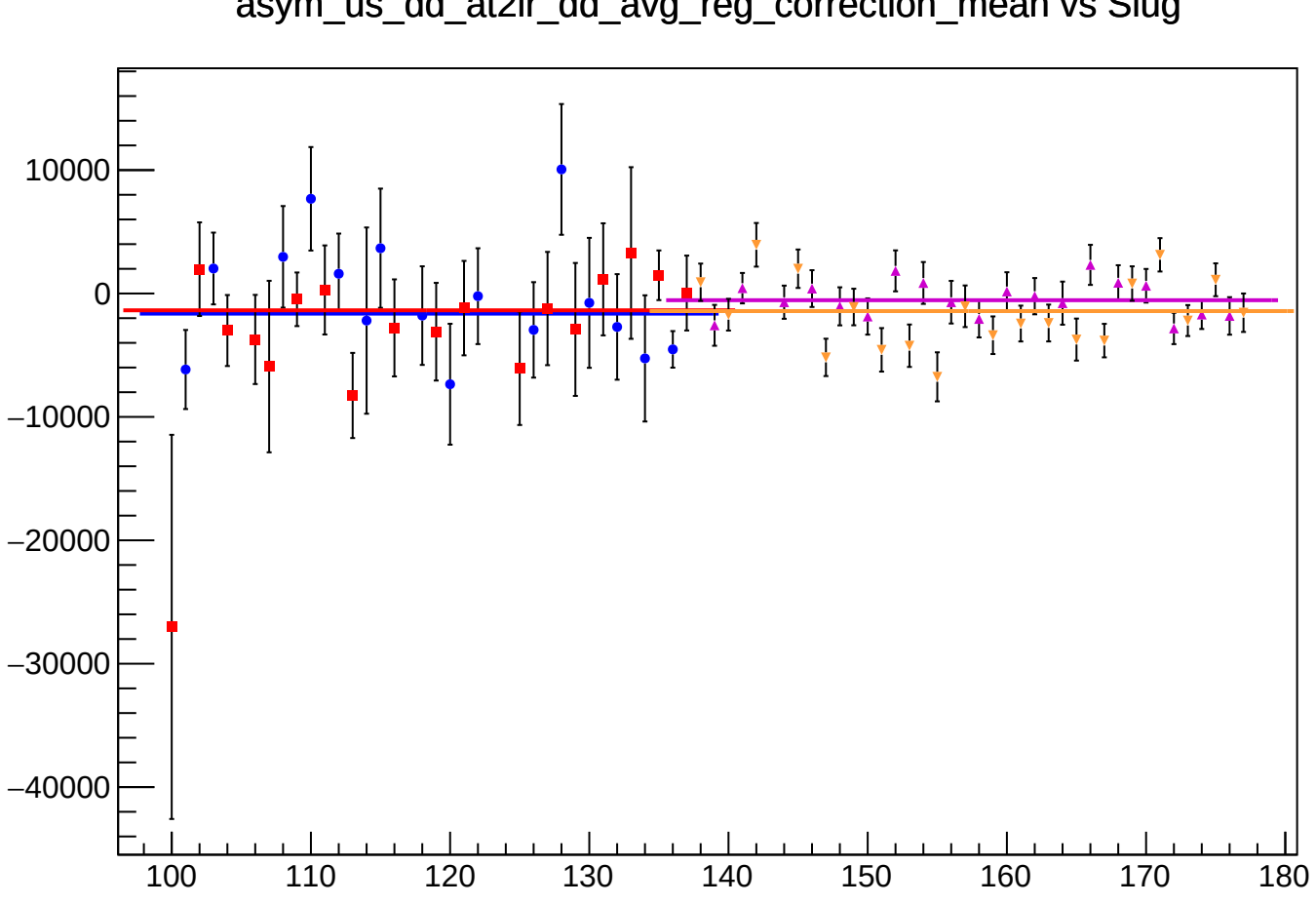
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

+ sign 2136.298+/-0.315 χ^2/NDF: 259989.5/35

All: 2131.206+/-0.223 χ^2/NDF: 584912.7/72

- sign 2126.069+/-0.317 χ^2/NDF: 324399.3/36



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1424.905+/-336.172 χ^2/NDF:61.3/19

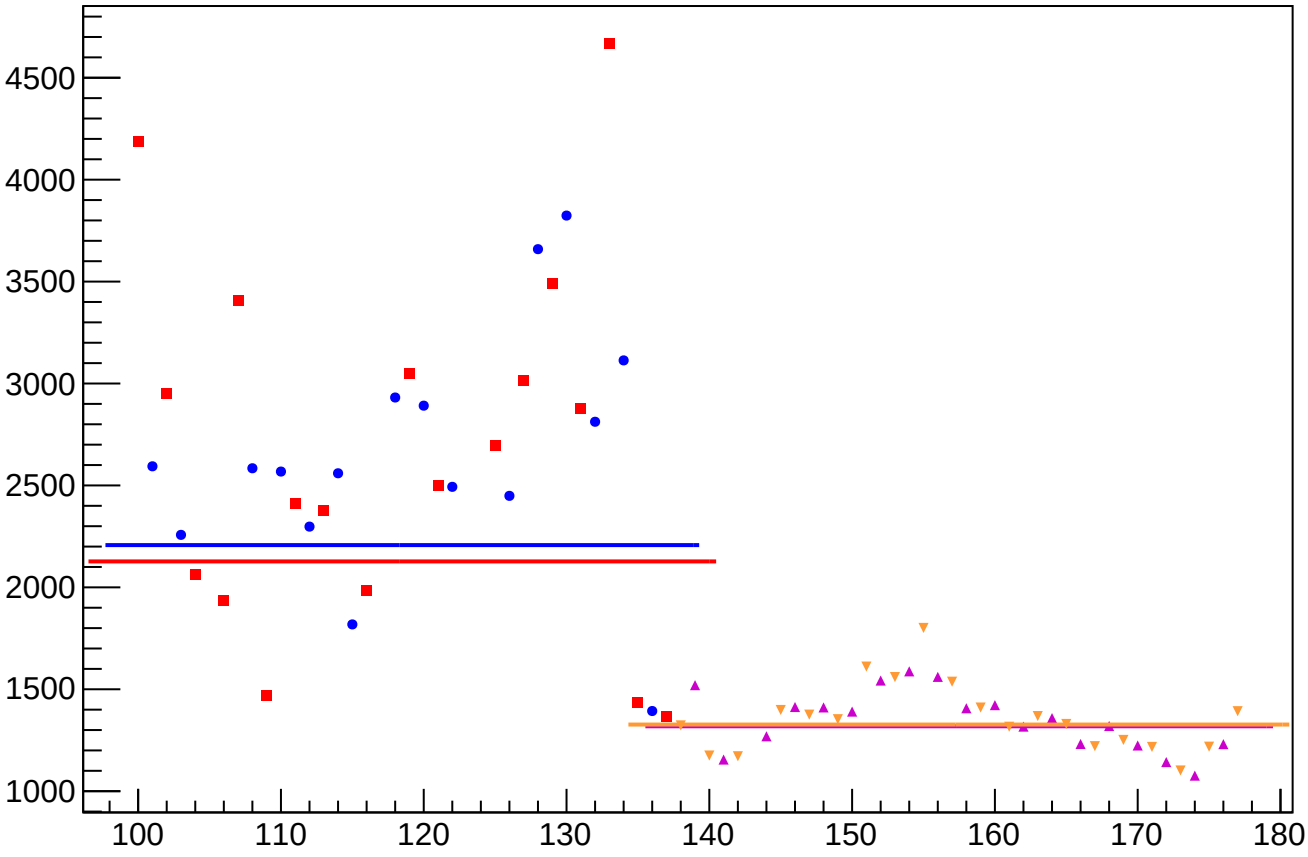
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -543.409+/-337.160 χ^2/NDF:17.3/18

+ sign -1452.020+/-313.217 χ^2/NDF: 84.2/35

All: -1054.065+/-221.372 χ^2/NDF: 118.9/72

- sign -656.871+/-312.917 χ^2/NDF: 31.5/36



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1326.936+/-0.238 χ^2/NDF:404266.5/19

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

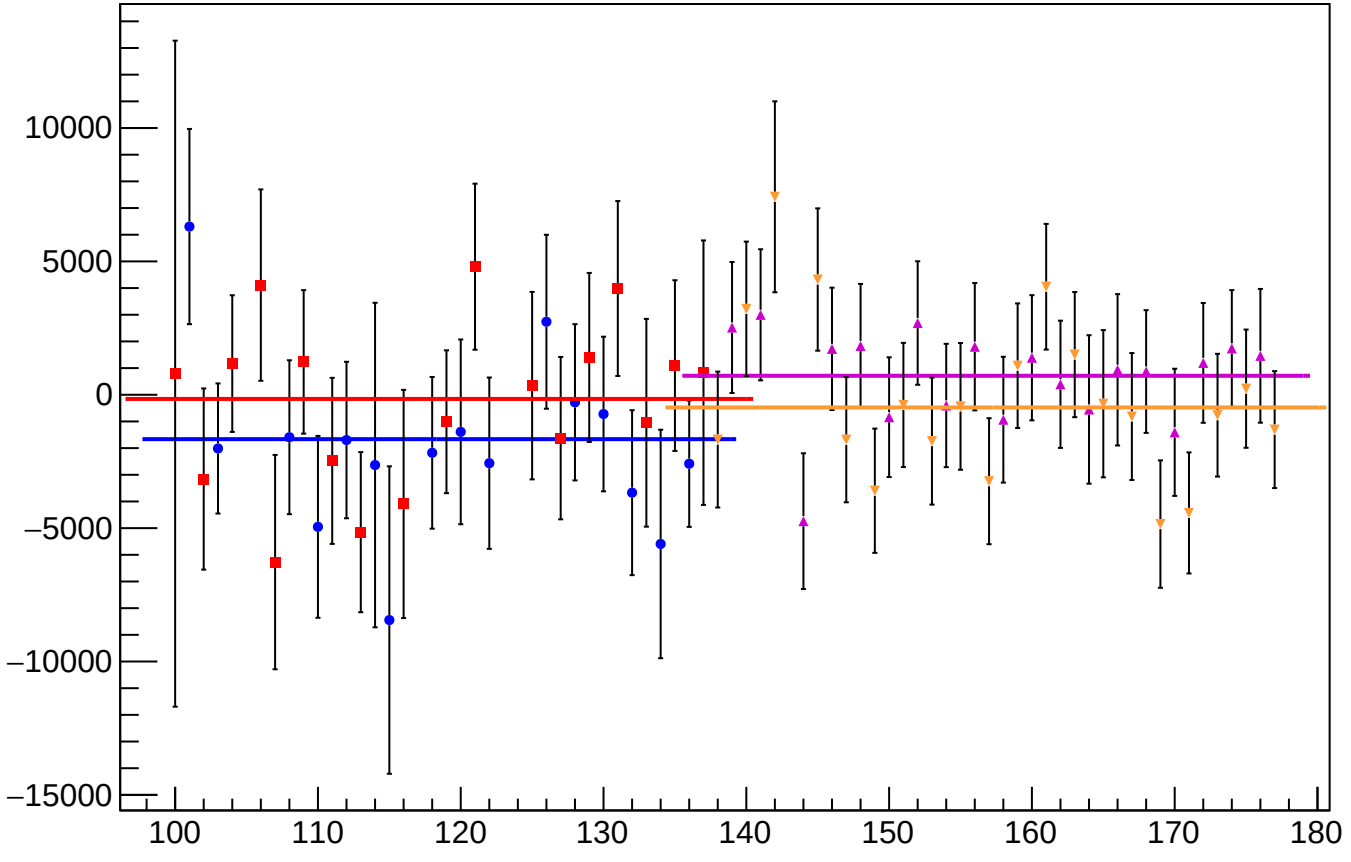
Left In: 1318.345+/-0.238 χ^2/NDF:376187.2/18

+ sign 1443.053+/-0.221 χ^2/NDF: 3462547.3/35

All: 1436.762+/-0.157 χ^2/NDF: 6894253.9/72

- sign 1430.483+/-0.221 χ^2/NDF: 3430094.4/36

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -475.939+/-539.441 χ^2/NDF:25.7/19

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

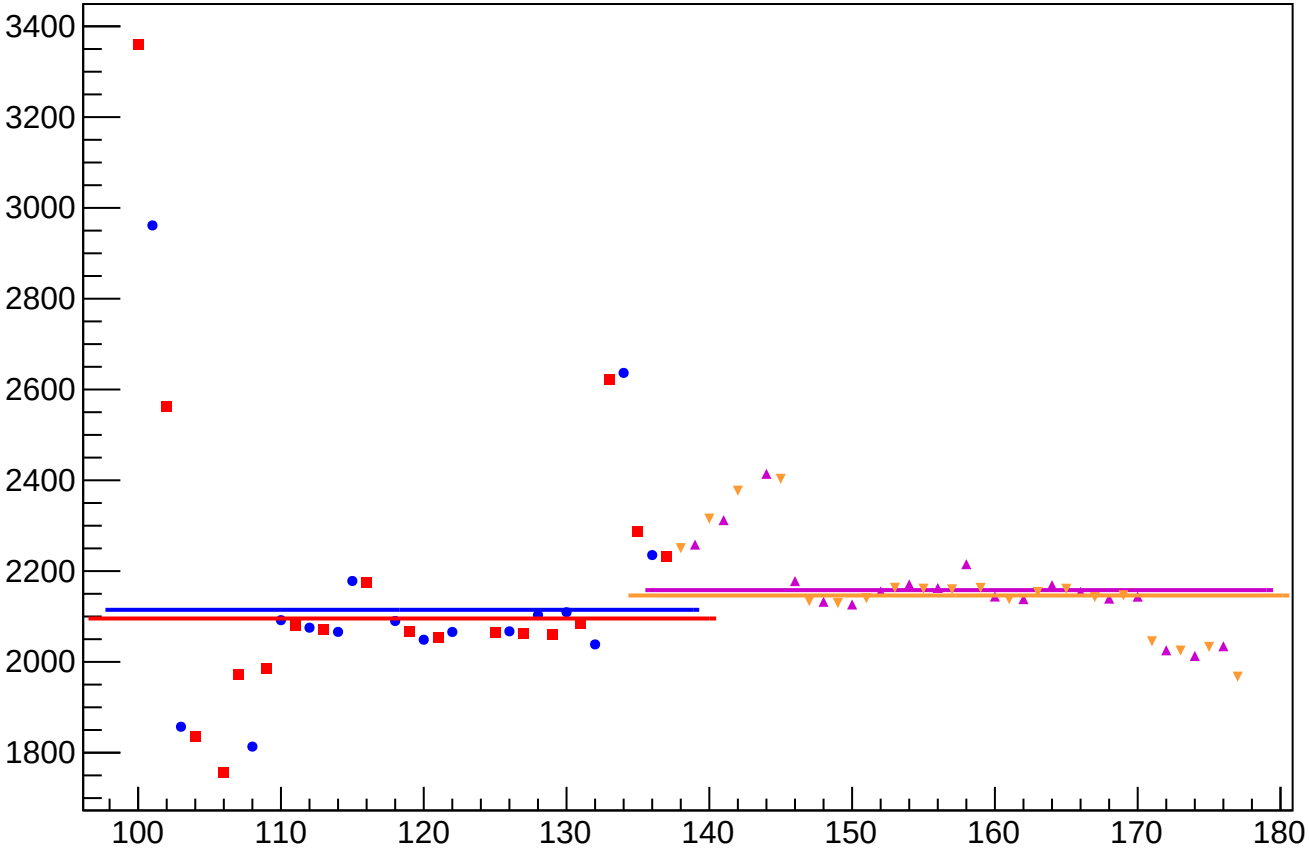
Left In: 712.343+/-547.936 χ^2/NDF:10.0/18

+ sign -852.403+/-445.877 χ^2/NDF: 38.0/35

All: -217.146+/-316.520 χ^2/NDF: 67.2/72

- sign 428.181+/-449.397 χ^2/NDF: 25.0/36

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2146.288+/-0.381 χ^2/NDF:67903.8/19

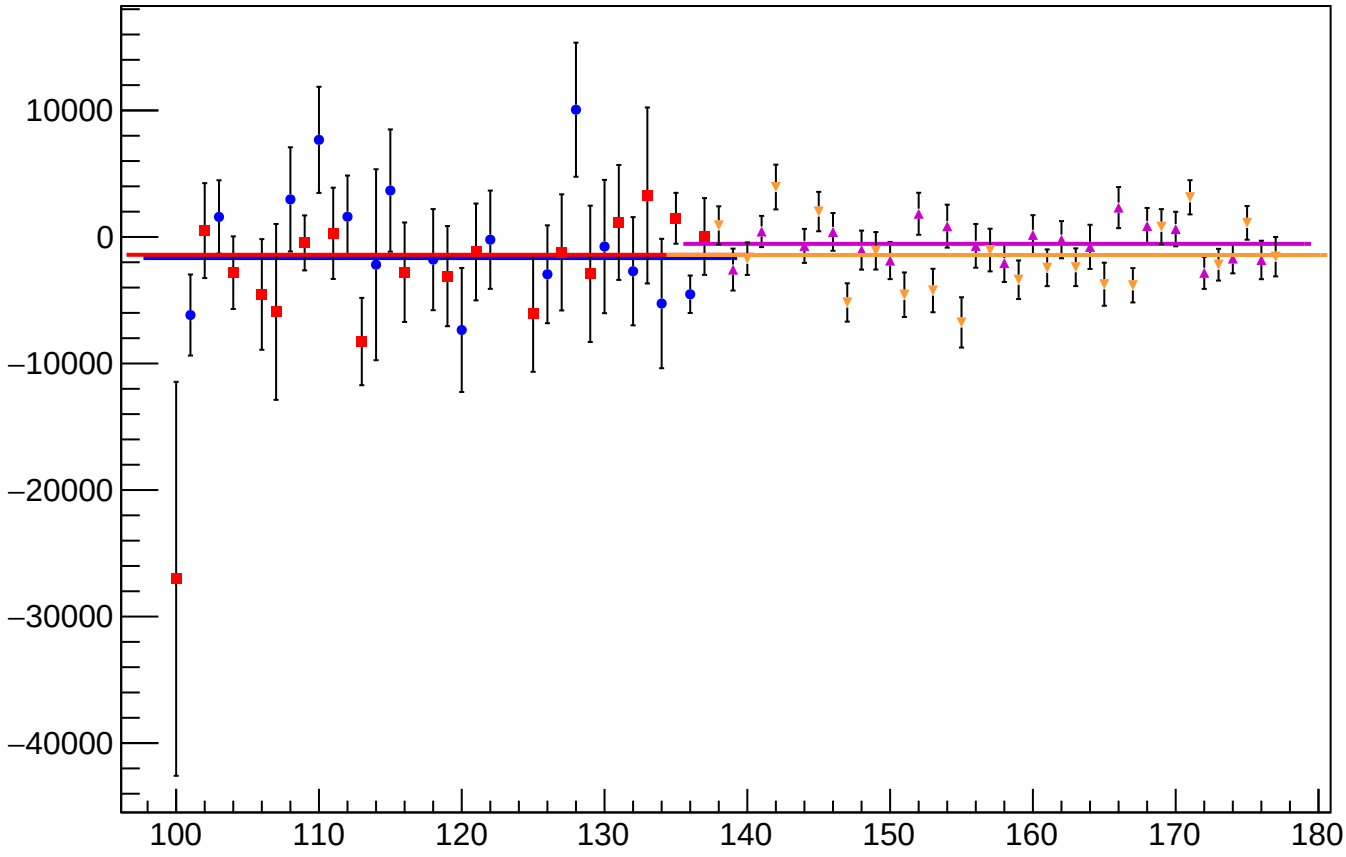
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

+ sign 2136.298+/-0.315 χ^2/NDF: 259989.8/35

All: 2136.976+/-0.224 χ^2/NDF: 472470.3/72

- sign 2137.665+/-0.318 χ^2/NDF: 212471.2/36



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1424.955+/-336.174 χ^2/NDF:61.3/19

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

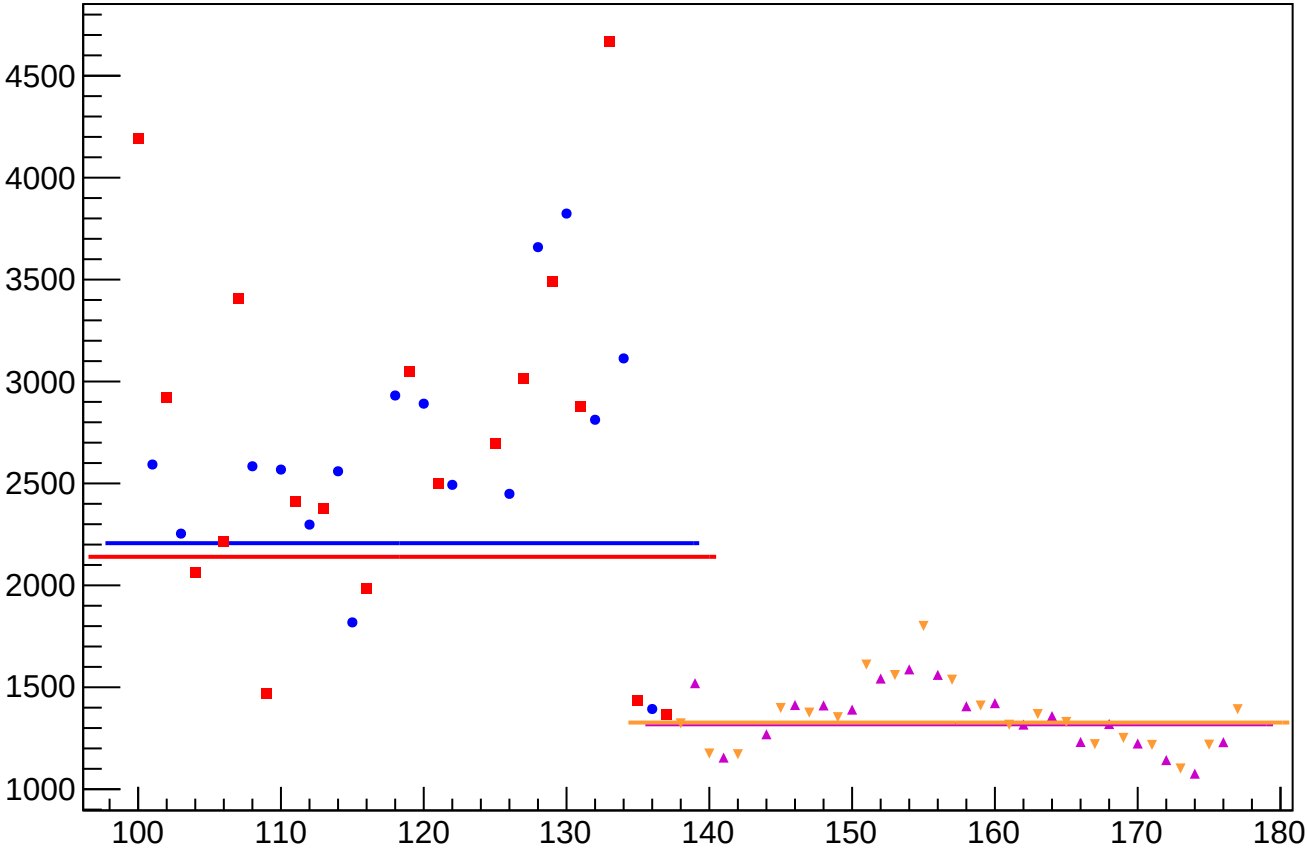
Left In: -543.318+/-337.160 χ^2/NDF:17.3/18

+ sign -1457.097+/-313.205 χ^2/NDF: 83.8/35

All: -1059.399+/-221.488 χ^2/NDF: 118.2/72

- sign -661.570+/-313.257 χ^2/NDF: 31.1/36

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: 1326.946+/-0.238 χ^2/NDF:404212.6/19

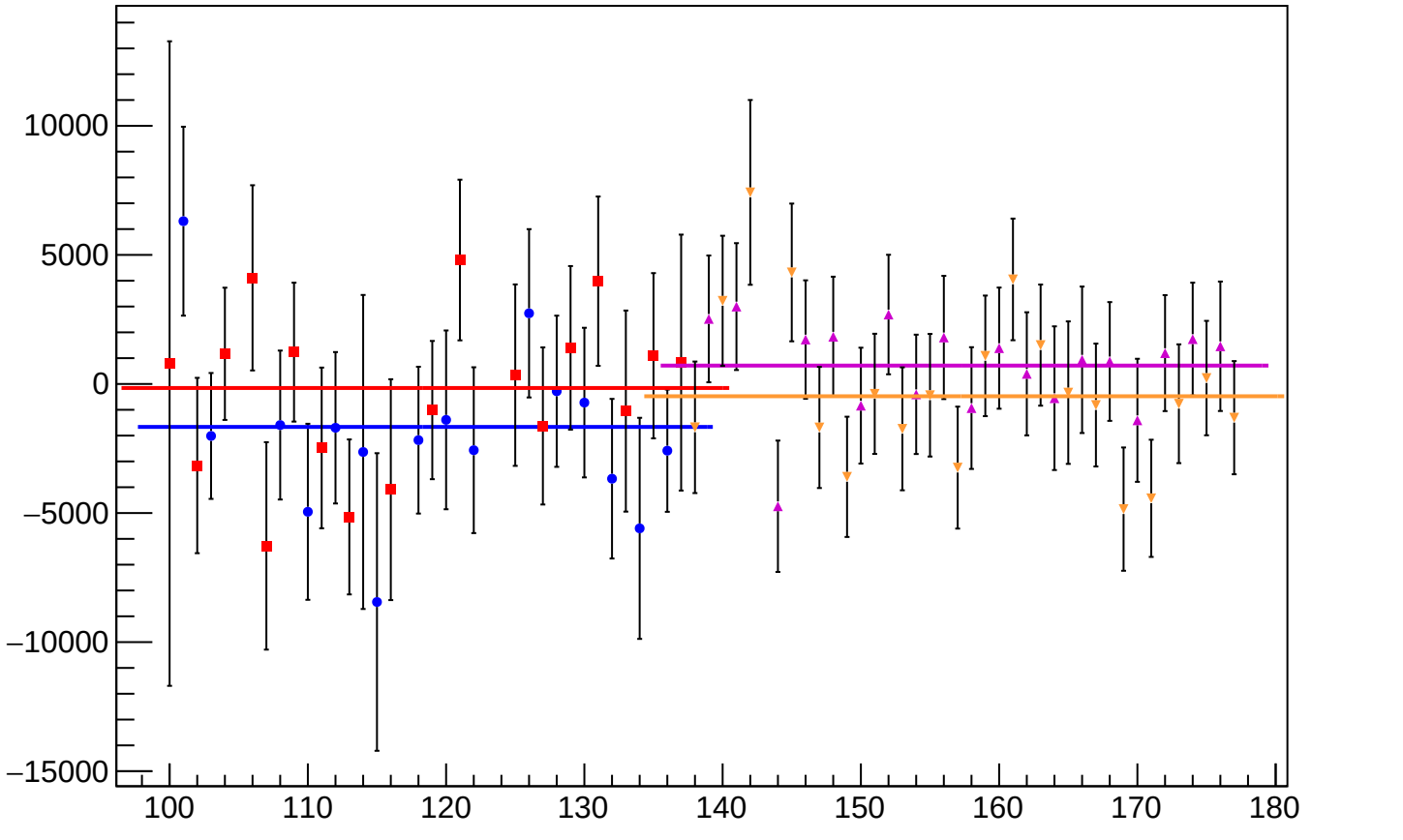
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1318.345+/-0.238 χ^2/NDF:376213.3/18

+ sign 1443.086+/-0.221 χ^2/NDF: 3461889.8/35

All: 1436.907+/-0.157 χ^2/NDF: 6912698.7/72

- sign 1430.725+/-0.222 χ^2/NDF: 3449251.4/36



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -475.939+/-539.441 χ^2/NDF:25.7/19

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

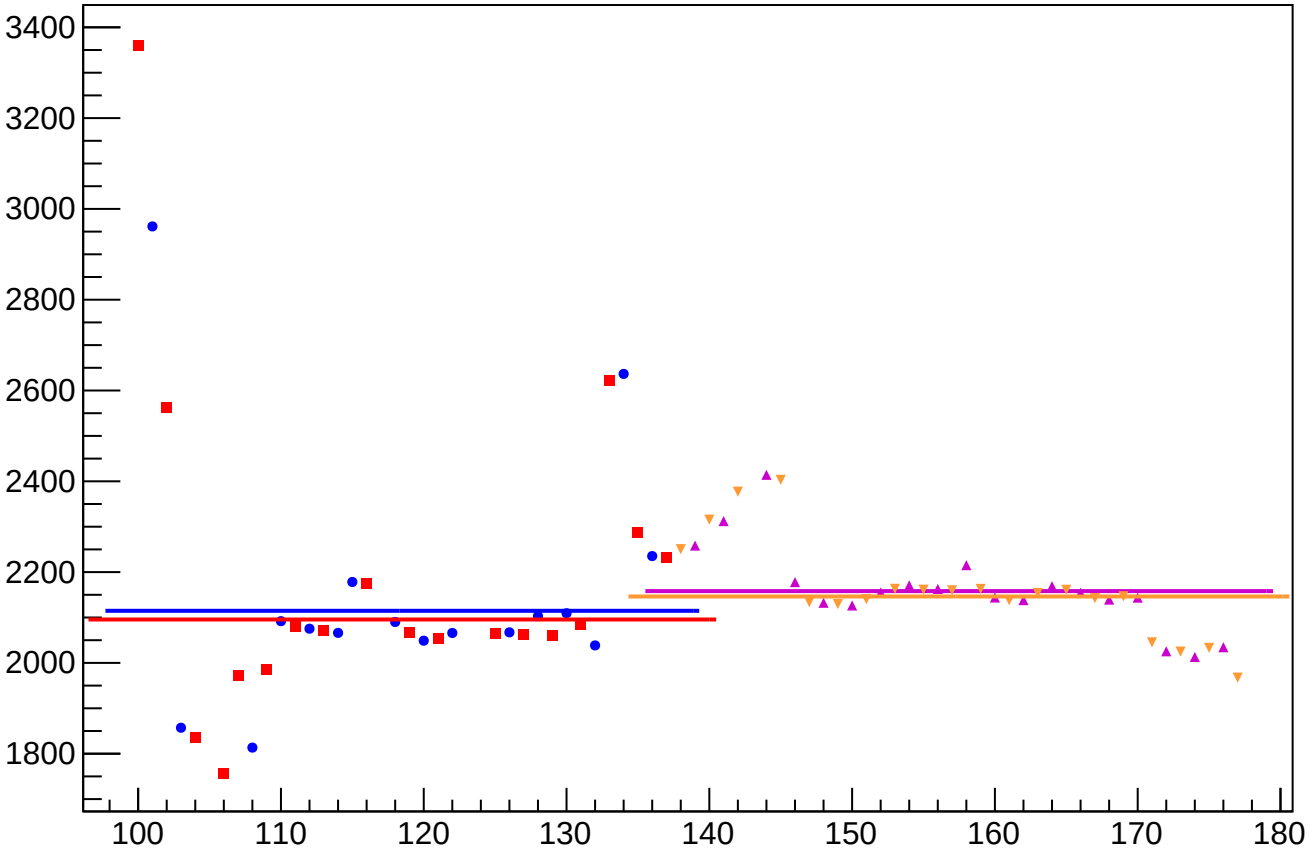
Left In: 712.343+/-547.936 χ^2/NDF:10.0/18

+ sign -852.403+/-445.877 χ^2/NDF: 38.0/35

All: -217.146+/-316.520 χ^2/NDF: 67.2/72

- sign 428.181+/-449.397 χ^2/NDF: 25.0/36

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: 2146.288+/-0.381 χ^2/NDF:67903.8/19

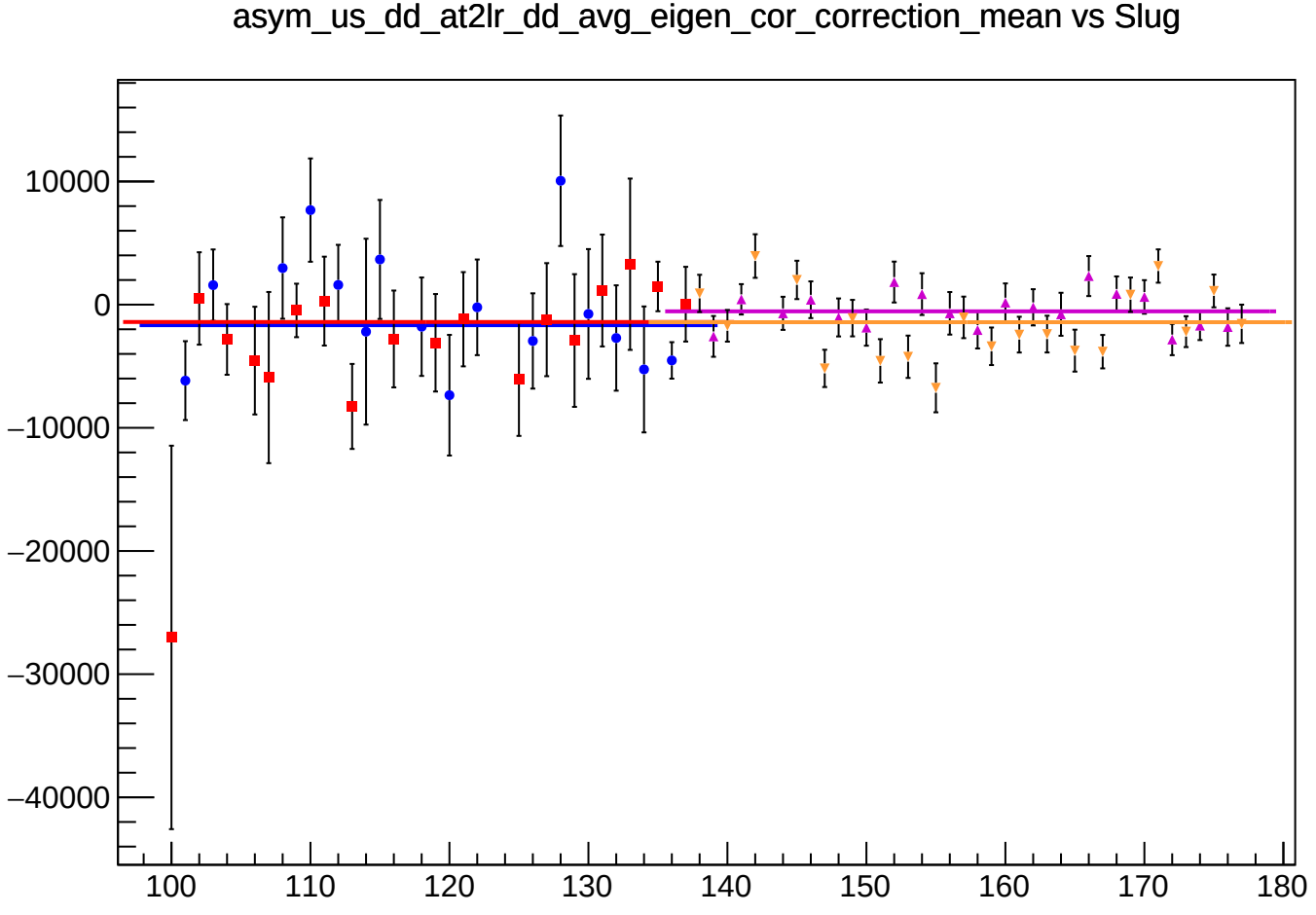
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

+ sign 2136.298+/-0.315 χ^2/NDF: 259989.8/35

All: 2136.976+/-0.224 χ^2/NDF: 472470.3/72

- sign 2137.665+/-0.318 χ^2/NDF: 212471.2/36



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1424.955+/-336.174 χ^2/NDF:61.3/19

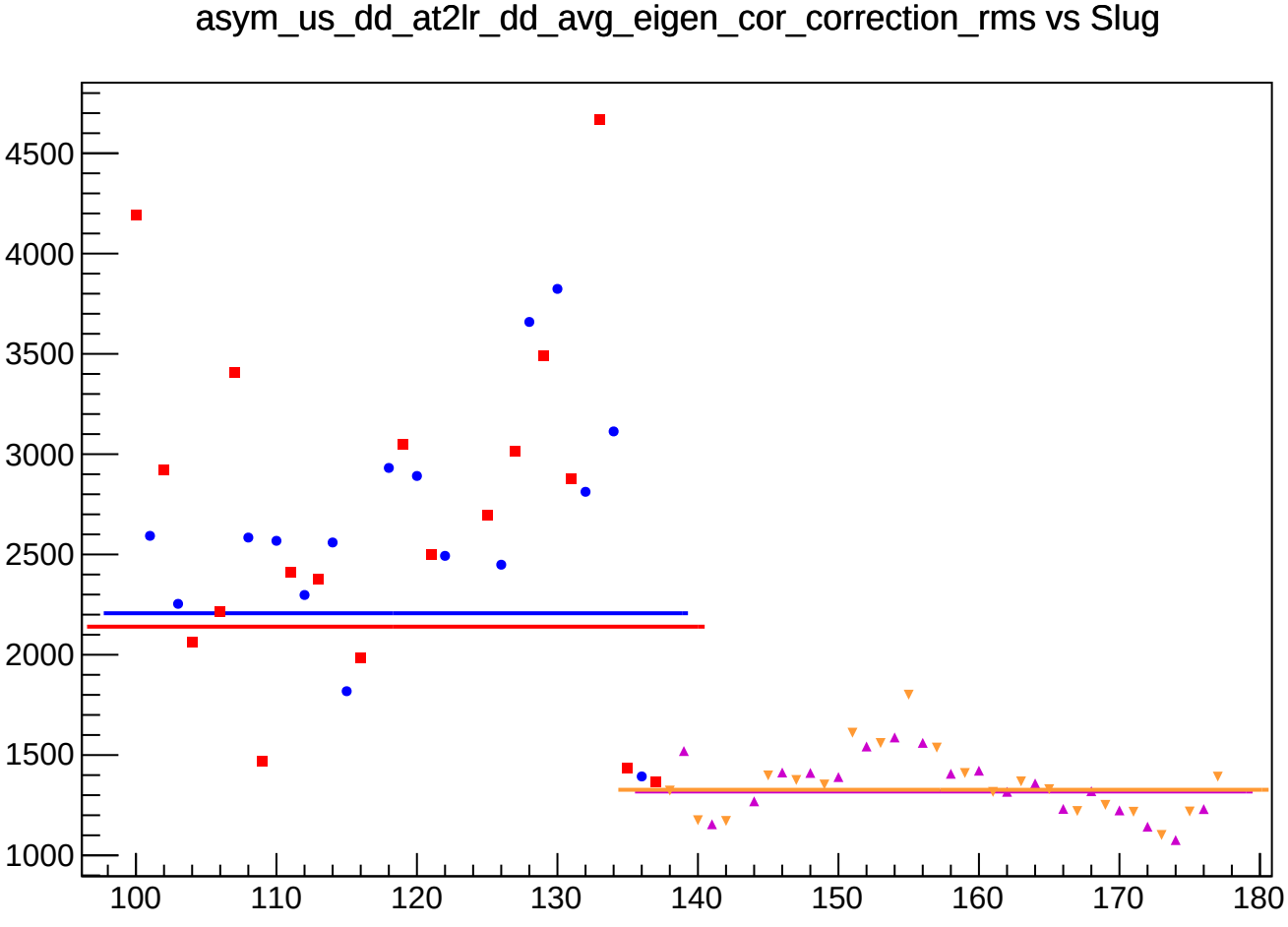
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -543.318+/-337.160 χ^2/NDF:17.3/18

+ sign -1457.097+/-313.205 χ^2/NDF: 83.8/35

All: -1059.399+/-221.488 χ^2/NDF: 118.2/72

- sign -661.570+/-313.257 χ^2/NDF: 31.1/36



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1326.946+/-0.238 χ^2/NDF:404212.6/19

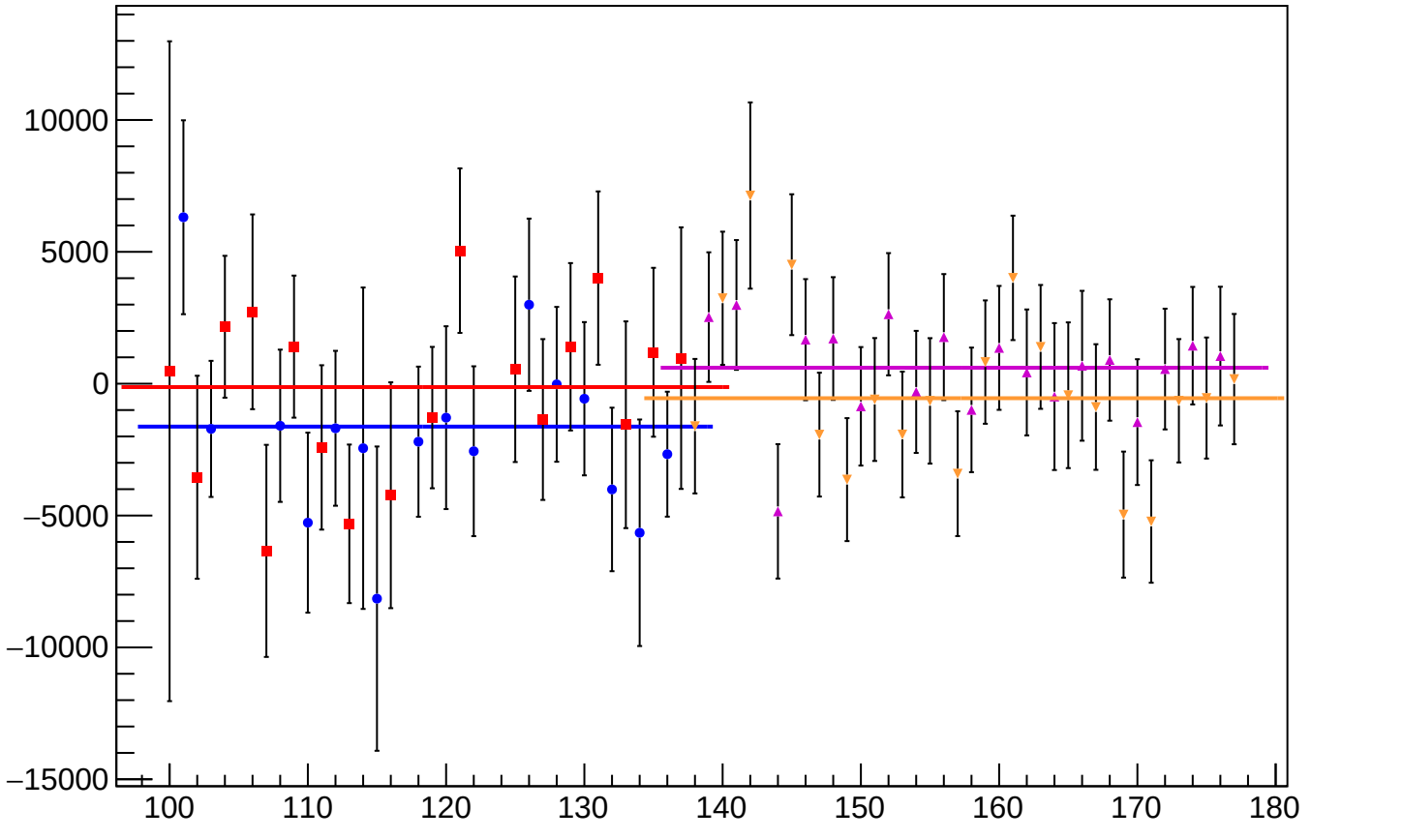
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1318.345+/-0.238 χ^2/NDF:376213.3/18

+ sign 1443.086+/-0.221 χ^2/NDF: 3461889.8/35

All: 1436.907+/-0.157 χ^2/NDF: 6912698.7/72

- sign 1430.725+/-0.222 χ^2/NDF: 3449251.4/36



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -550.743+/-545.546 χ^2/NDF:27.0/19

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

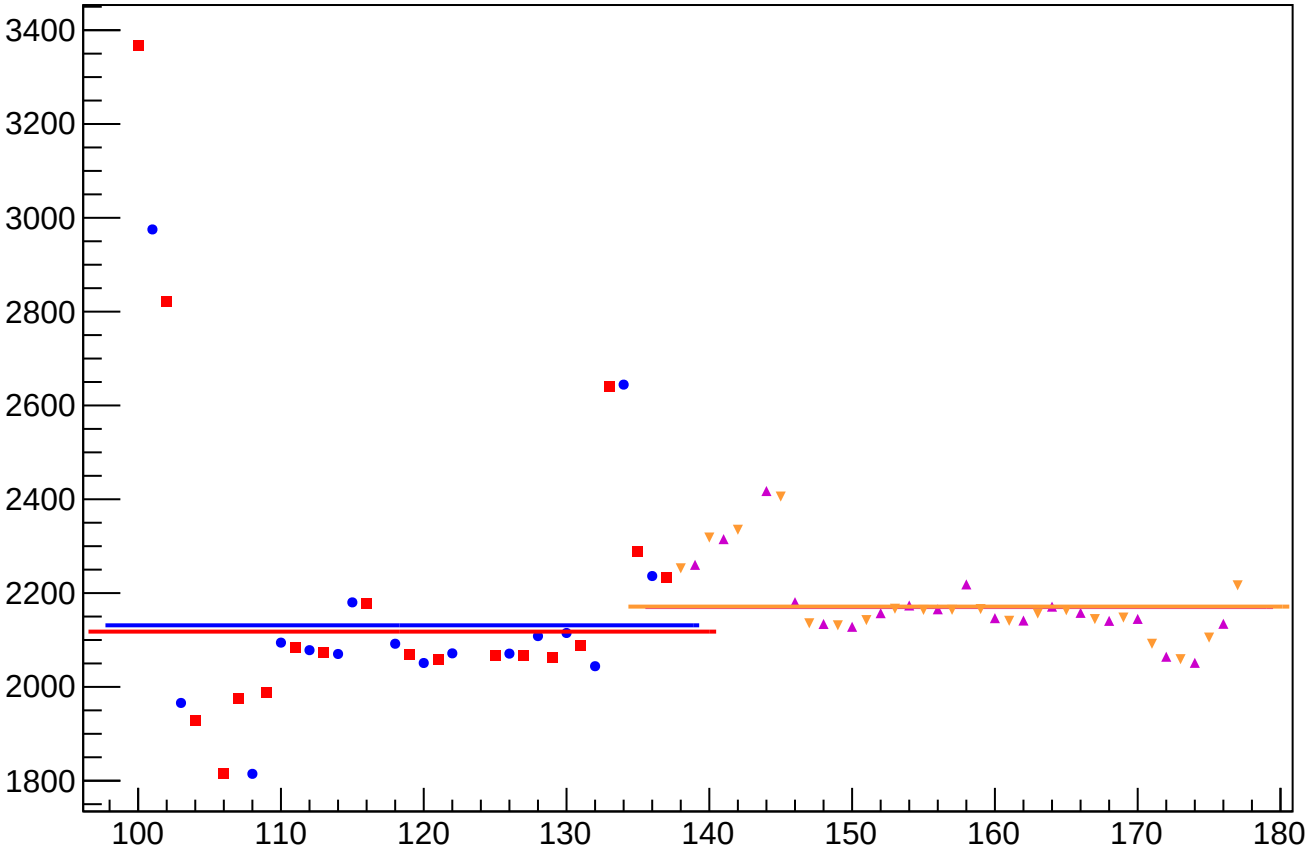
Left In: 605.369+/-550.891 χ^2/NDF:9.8/18

+ sign -893.759+/-450.356 χ^2/NDF: 39.6/35

All: -266.632+/-319.370 χ^2/NDF: 68.4/72

- sign 367.793+/-452.969 χ^2/NDF: 24.9/36

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2171.182+/-0.386 χ^2/NDF:40101.7/19

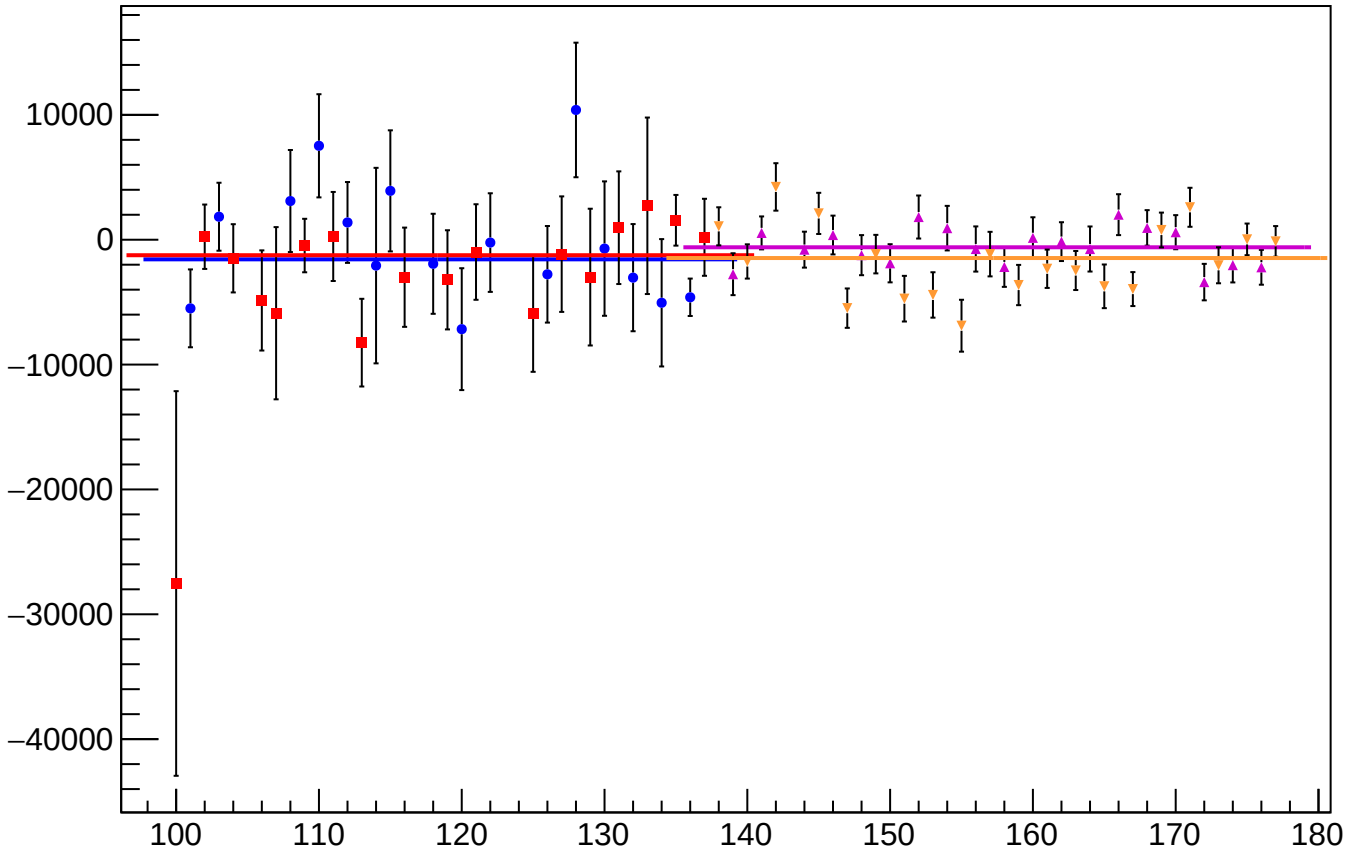
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2170.212+/-0.390 χ^2/NDF:42013.4/18

+ sign 2158.478+/-0.318 χ^2/NDF: 219450.0/35

All: 2155.883+/-0.226 χ^2/NDF: 431068.4/72

- sign 2153.257+/-0.320 χ^2/NDF: 211484.8/36



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1466.465+/-346.005 χ^2/NDF:55.3/19

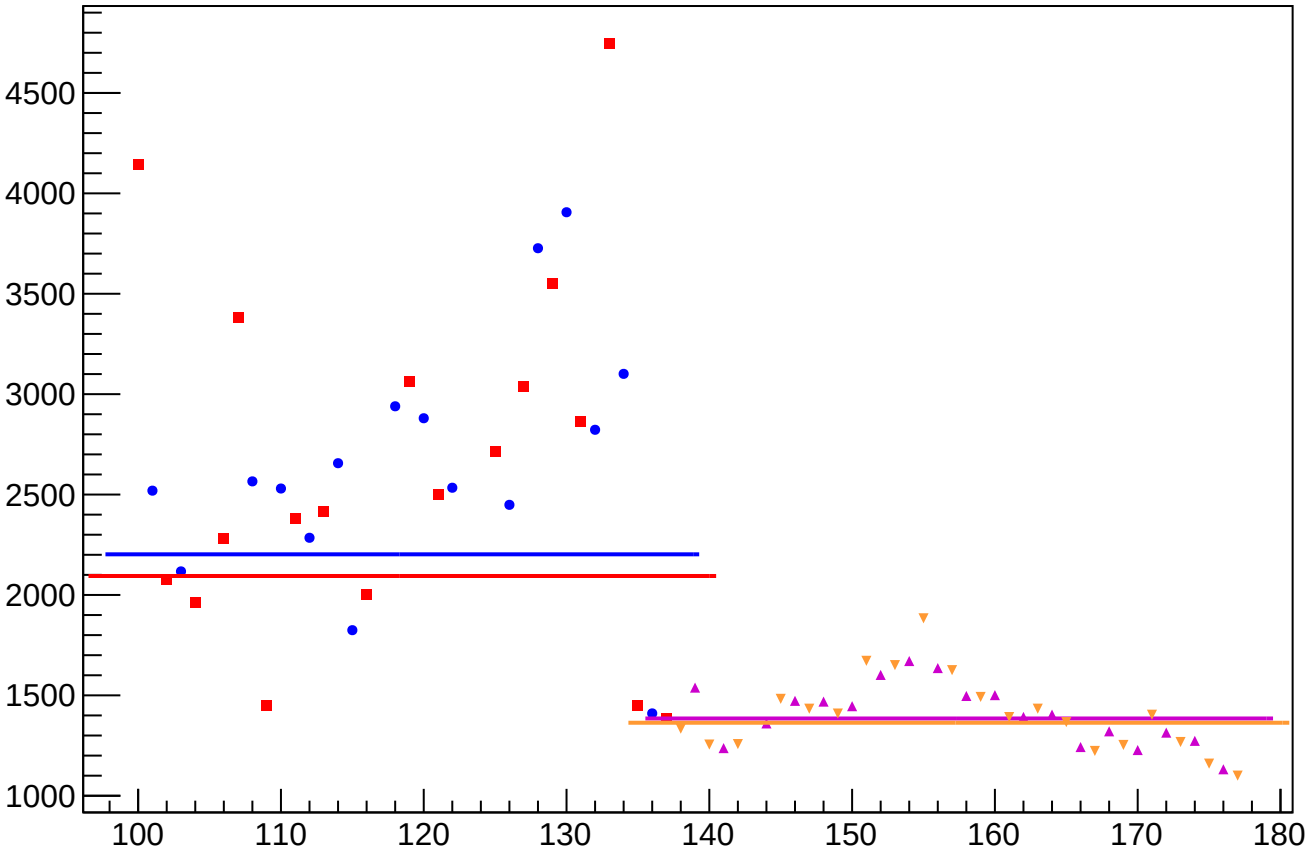
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -605.918+/-353.797 χ^2/NDF:18.2/18

+ sign -1481.046+/-320.986 χ^2/NDF: 77.9/35

All: -1097.963+/-228.321 χ^2/NDF: 112.6/72

- sign -705.636+/-324.836 χ^2/NDF: 31.8/36



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1363.625+/-0.245 χ^2/NDF:515920.9/19

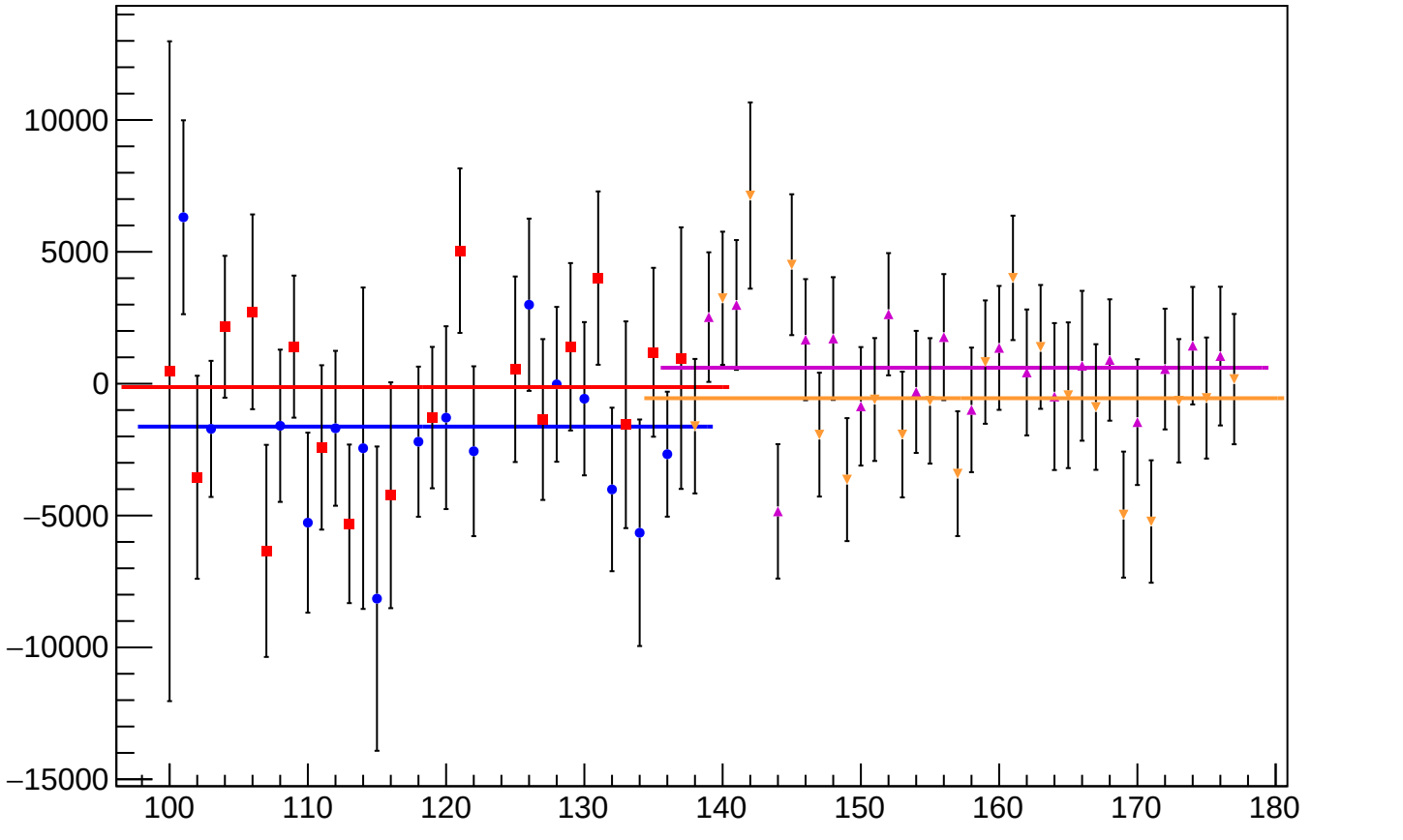
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1384.802+/-0.250 χ^2/NDF:328155.6/18

+ sign 1480.537+/-0.227 χ^2/NDF: 3377052.9/35

All: 1488.288+/-0.161 χ^2/NDF: 6344646.5/72

- sign 1496.226+/-0.230 χ^2/NDF: 2965233.1/36



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -550.740+/-545.546 χ^2/NDF:27.0/19

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

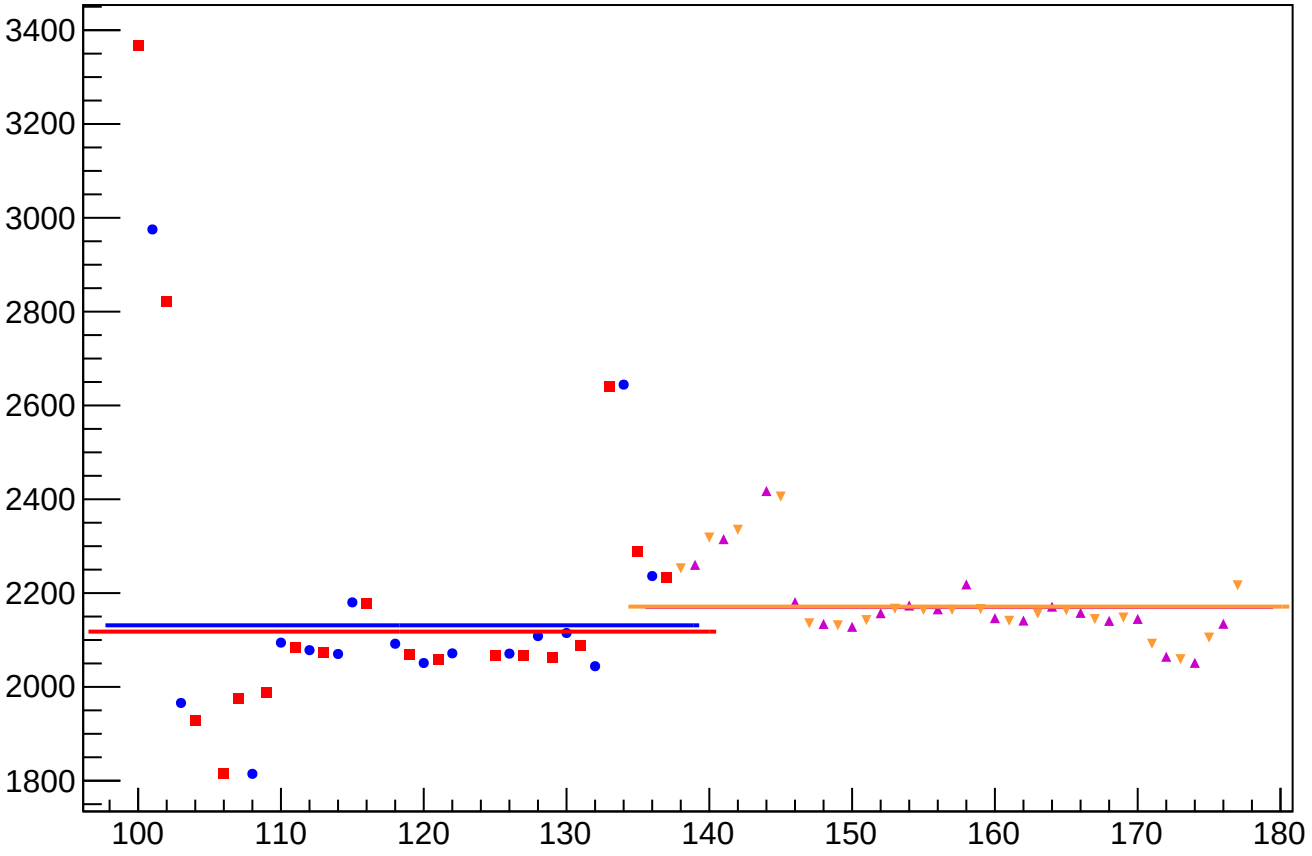
Left In: 605.369+/-550.891 χ^2/NDF:9.8/18

+ sign -893.758+/-450.356 χ^2/NDF: 39.6/35

All: -266.631+/-319.370 χ^2/NDF: 68.4/72

- sign 367.795+/-452.969 χ^2/NDF: 24.9/36

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: 2171.182+/-0.386 χ^2/NDF:40101.9/19

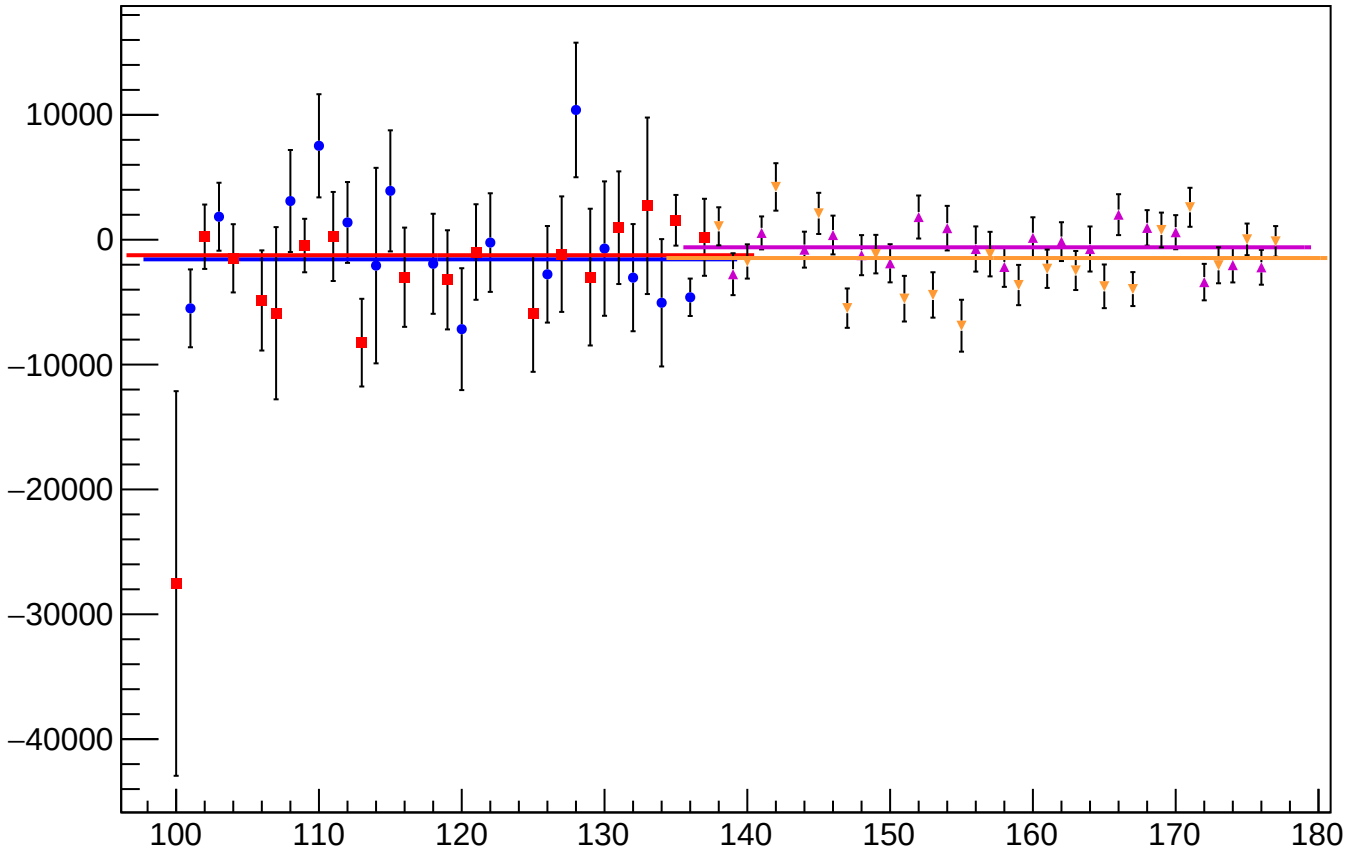
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2170.212+/-0.390 χ^2/NDF:42013.6/18

+ sign 2158.478+/-0.318 χ^2/NDF: 219450.1/35

All: 2155.883+/-0.226 χ^2/NDF: 431068.7/72

- sign 2153.257+/-0.320 χ^2/NDF: 211484.9/36



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1466.468+/-346.005 χ^2/NDF:55.3/19

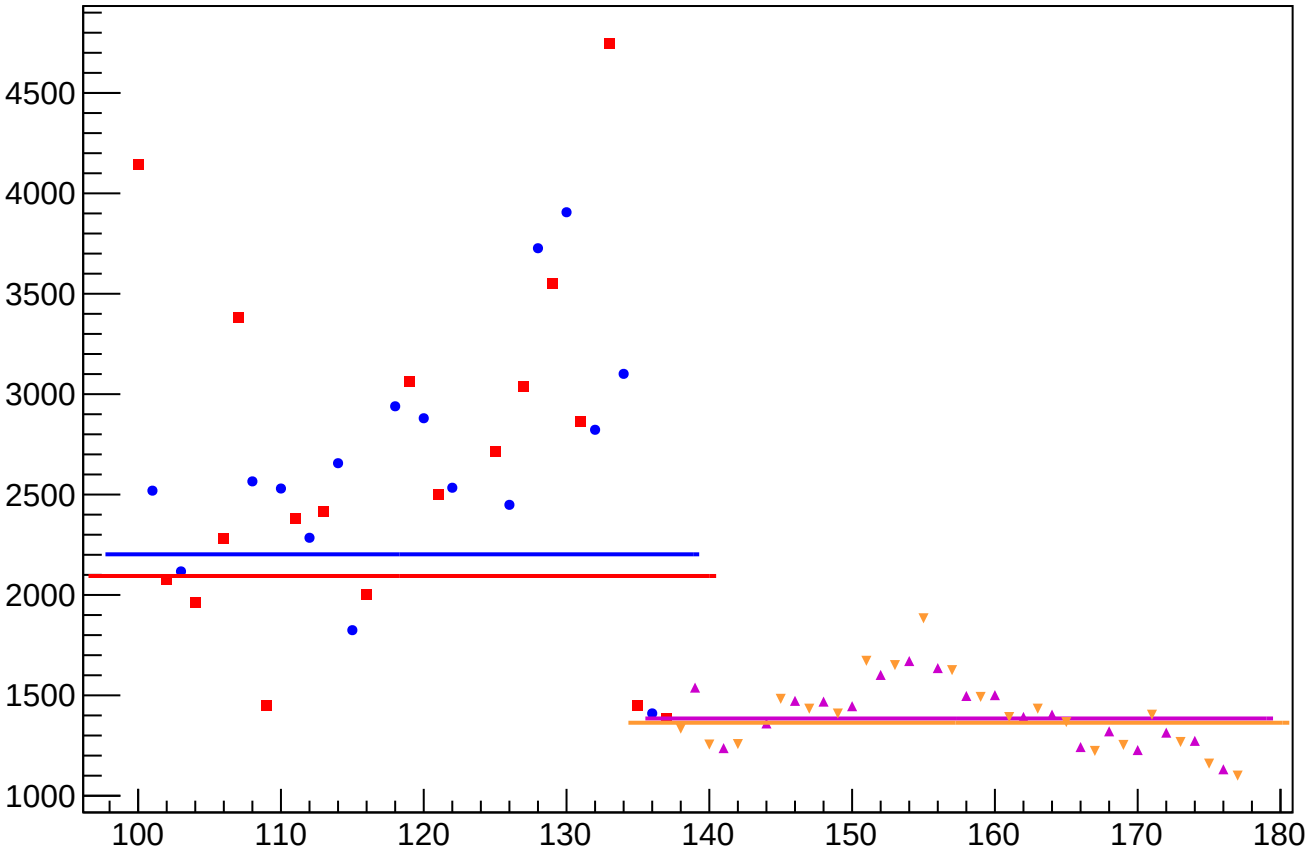
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -605.914+/-353.797 χ^2/NDF:18.2/18

+ sign -1481.046+/-320.987 χ^2/NDF: 77.9/35

All: -1097.962+/-228.321 χ^2/NDF: 112.6/72

- sign -705.635+/-324.836 χ^2/NDF: 31.8/36



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1363.625+/-0.245 χ^2/NDF:515916.4/19

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

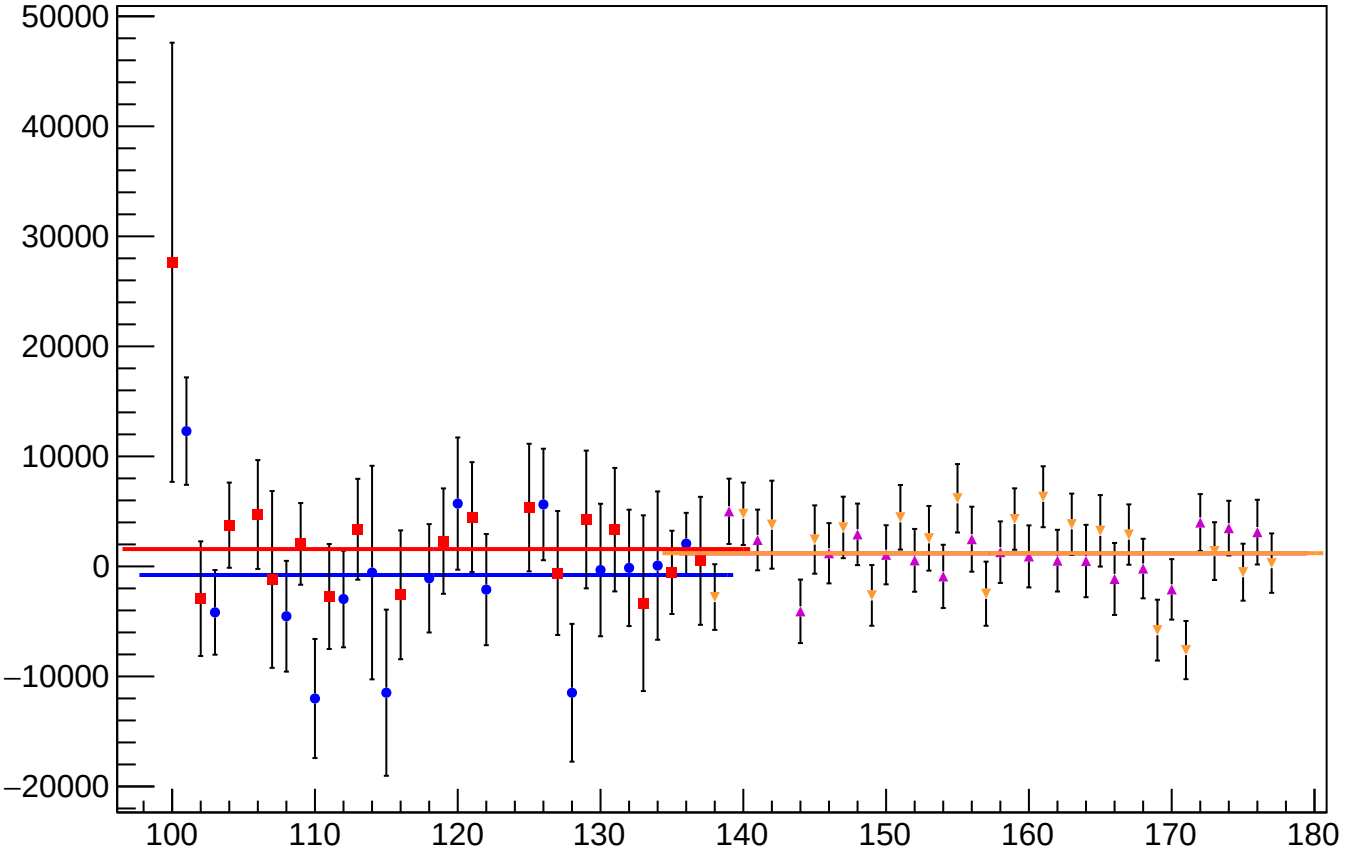
Left In: 1384.801+/-0.250 χ^2/NDF:328160.9/18

+ sign 1480.538+/-0.227 χ^2/NDF: 3377025.6/35

All: 1488.289+/-0.161 χ^2/NDF: 6344615.2/72

- sign 1496.226+/-0.230 χ^2/NDF: 2965229.4/36

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1202.649+/-640.819 χ^2/NDF:36.6/19

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

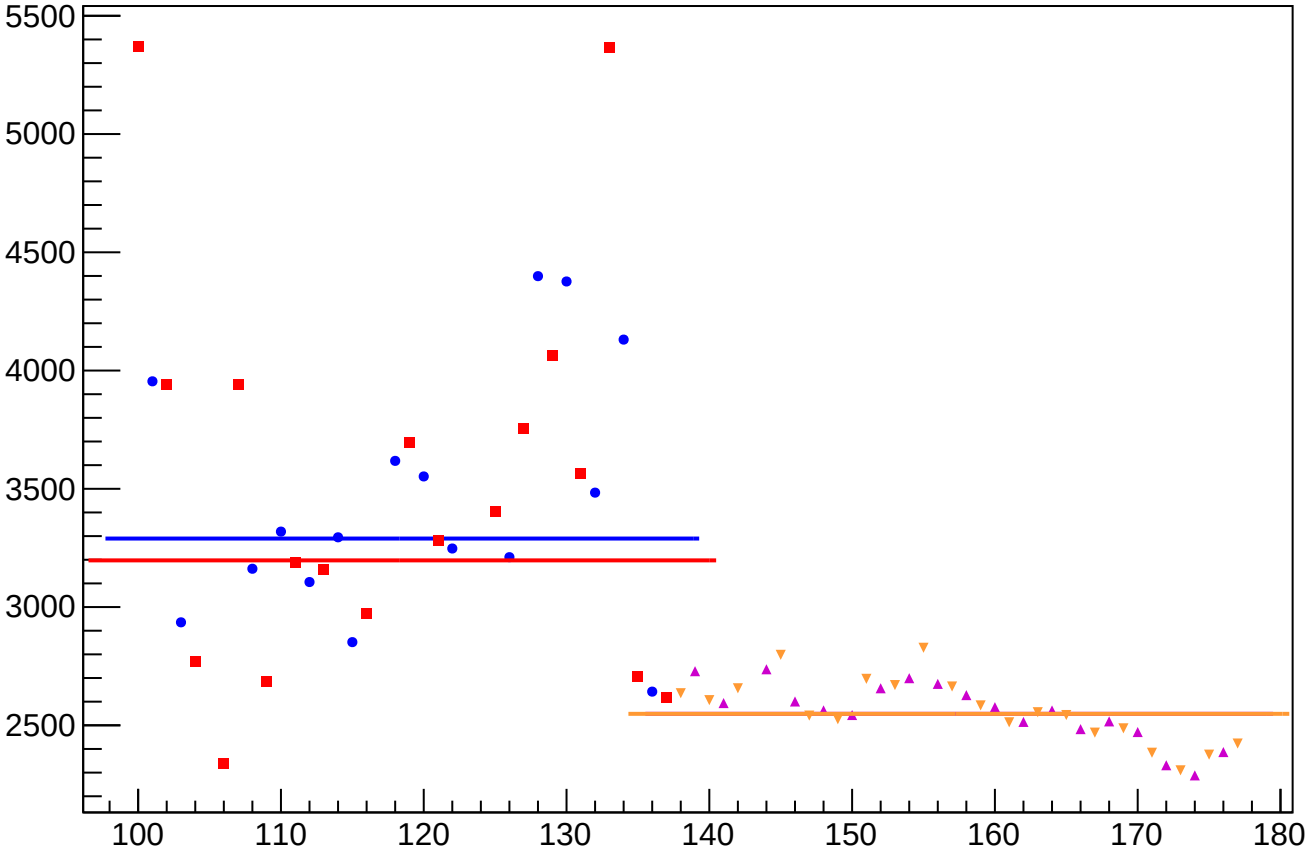
Left In: 1180.491+/-647.381 χ^2/NDF:11.1/18

+ sign 785.318+/-569.457 χ^2/NDF: 60.5/35

All: 1025.297+/-403.475 χ^2/NDF: 78.7/72

- sign 1267.213+/-571.749 χ^2/NDF: 17.9/36

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2548.514+/-0.453 χ^2/NDF:85690.4/19

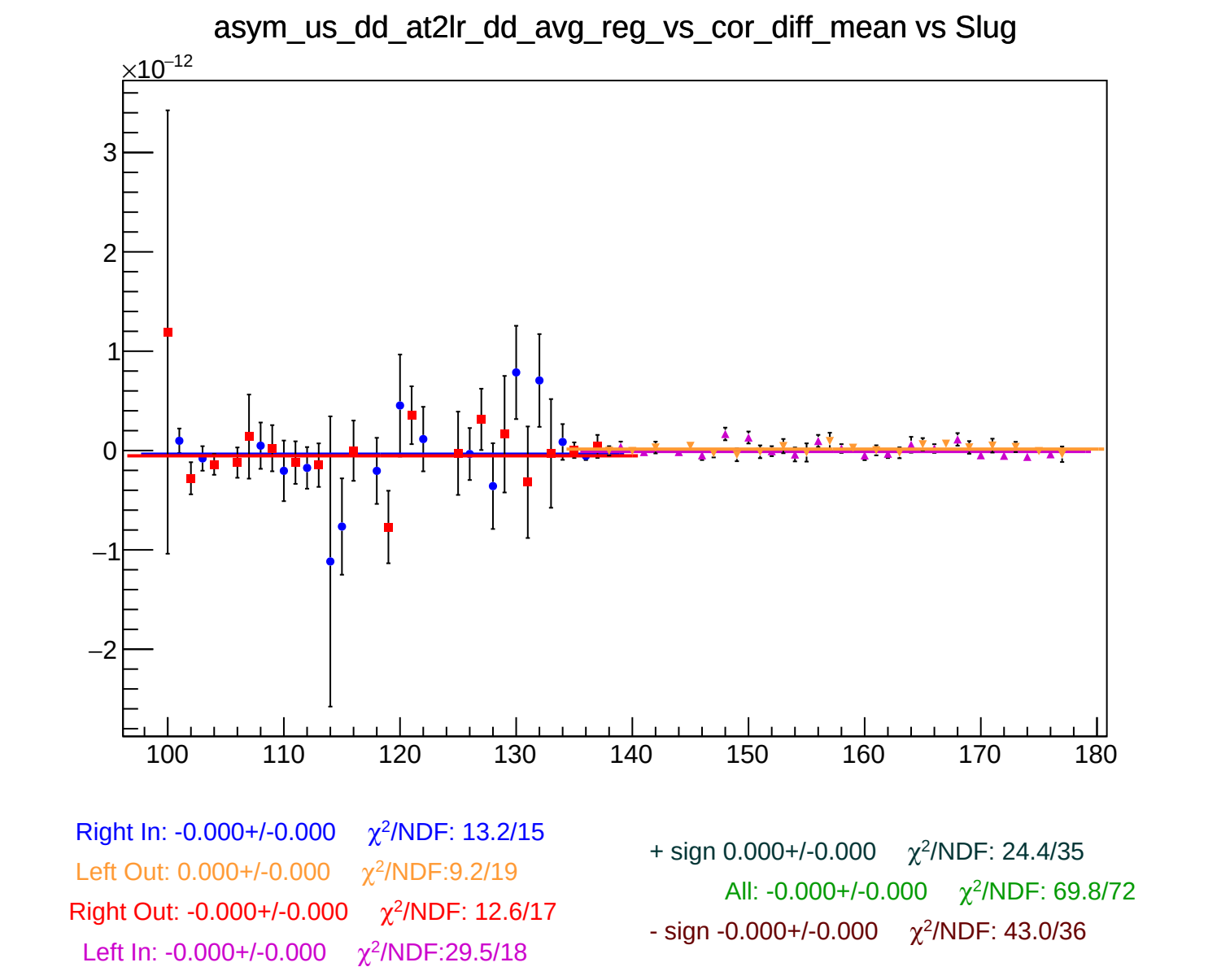
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

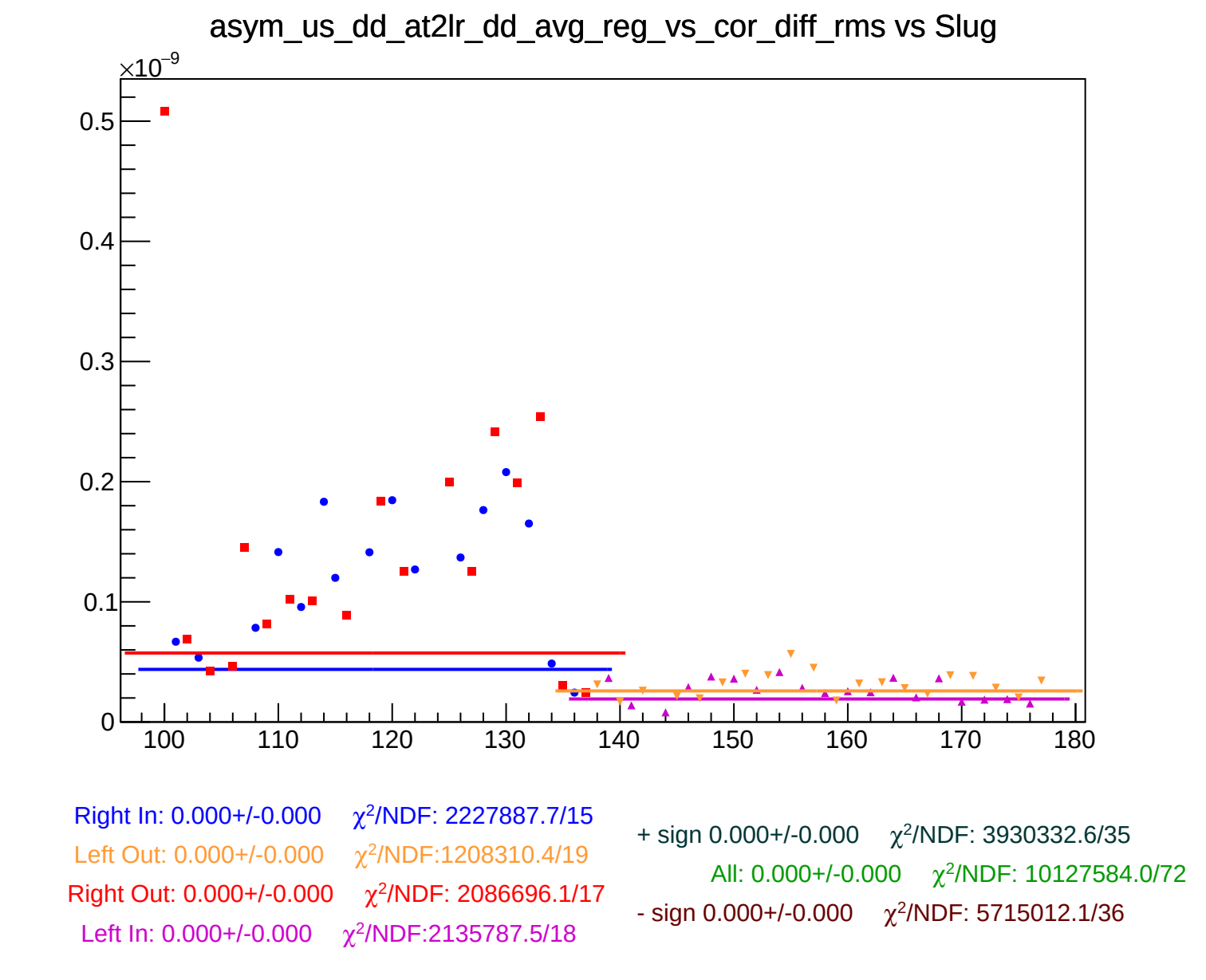
Left In: 2548.572+/-0.458 χ^2/NDF:76164.5/18

+ sign 2704.398+/-0.403 χ^2/NDF: 995992.3/35

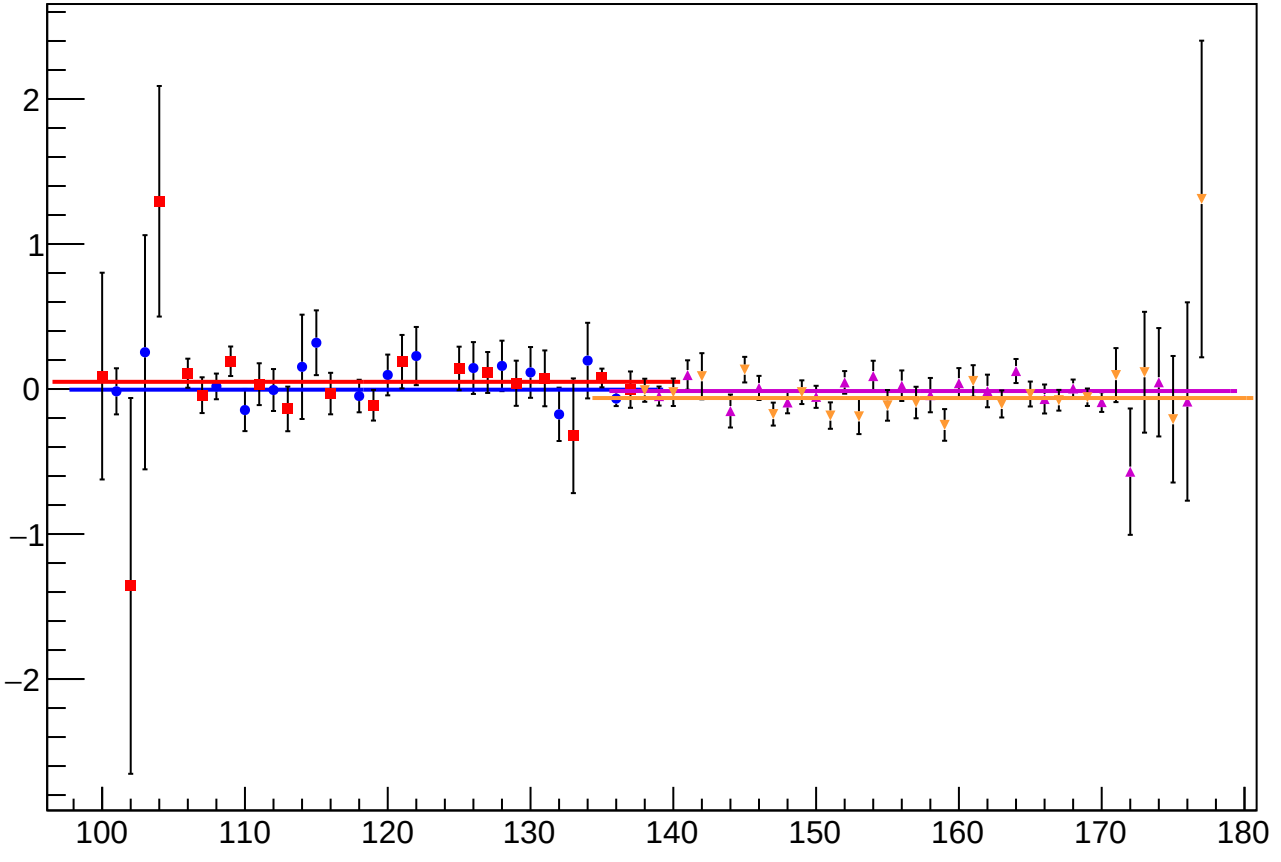
All: 2697.883+/-0.285 χ^2/NDF: 2014572.0/72

- sign 2691.315+/-0.404 χ^2/NDF: 1018054.0/36


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:9.2/19
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:29.5/18
+ sign 0.000+/-0.000 χ²/NDF: 24.4/35
All: -0.000+/-0.000 χ²/NDF: 69.8/72
- sign -0.000+/-0.000 χ²/NDF: 43.0/36


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:1208310.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:2135787.5/18
+ sign 0.000+/-0.000 χ²/NDF: 3930332.6/35
All: 0.000+/-0.000 χ²/NDF: 10127584.0/72
- sign 0.000+/-0.000 χ²/NDF: 5715012.1/36

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:18.8/19

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

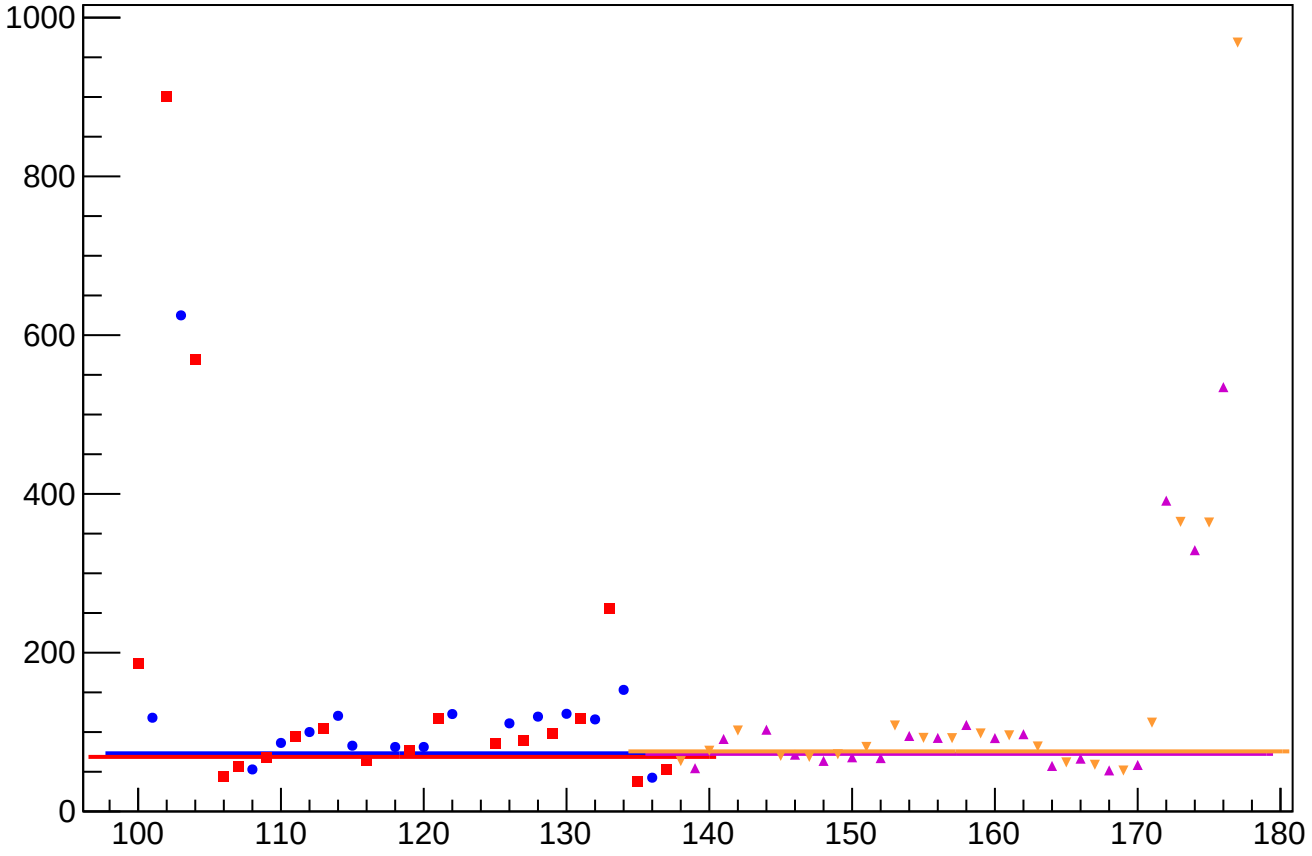
Left In: -0.014+/-0.021 χ^2/NDF:12.4/18

+ sign -0.044+/-0.018 χ^2/NDF: 31.3/35

All: -0.018+/-0.013 χ^2/NDF: 63.3/72

- sign 0.006+/-0.018 χ^2/NDF: 28.3/36

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.679+/-0.016 χ^2/NDF:4276454.7/19

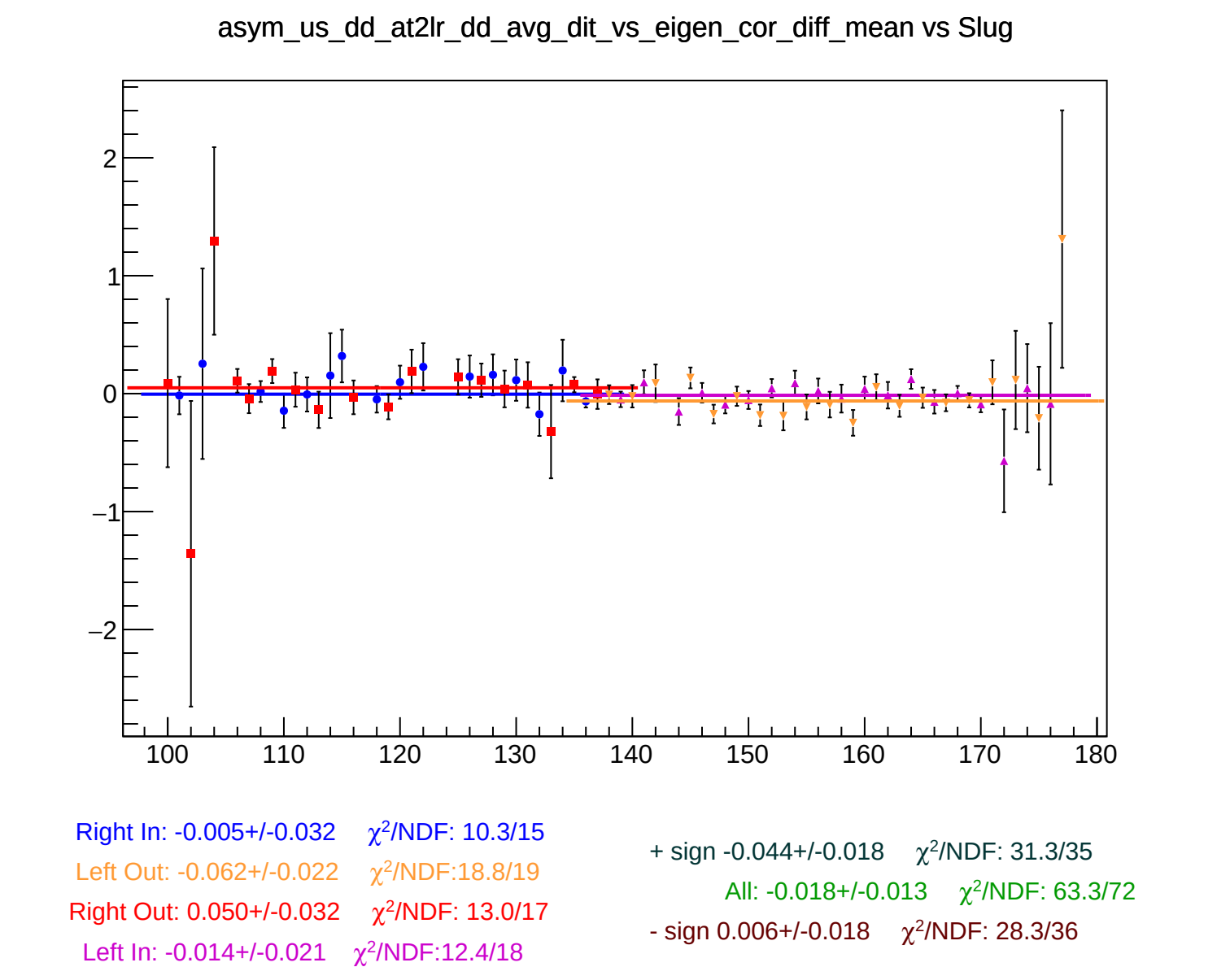
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.548+/-0.015 χ^2/NDF:4249015.2/18

\+ sign 74.895+/-0.013 χ^2/NDF: 7138870.7/35

All: 73.066+/-0.009 χ^2/NDF: 14778521.6/72

\- sign 71.367+/-0.012 χ^2/NDF: 7600923.7/36


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
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−2
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130
140
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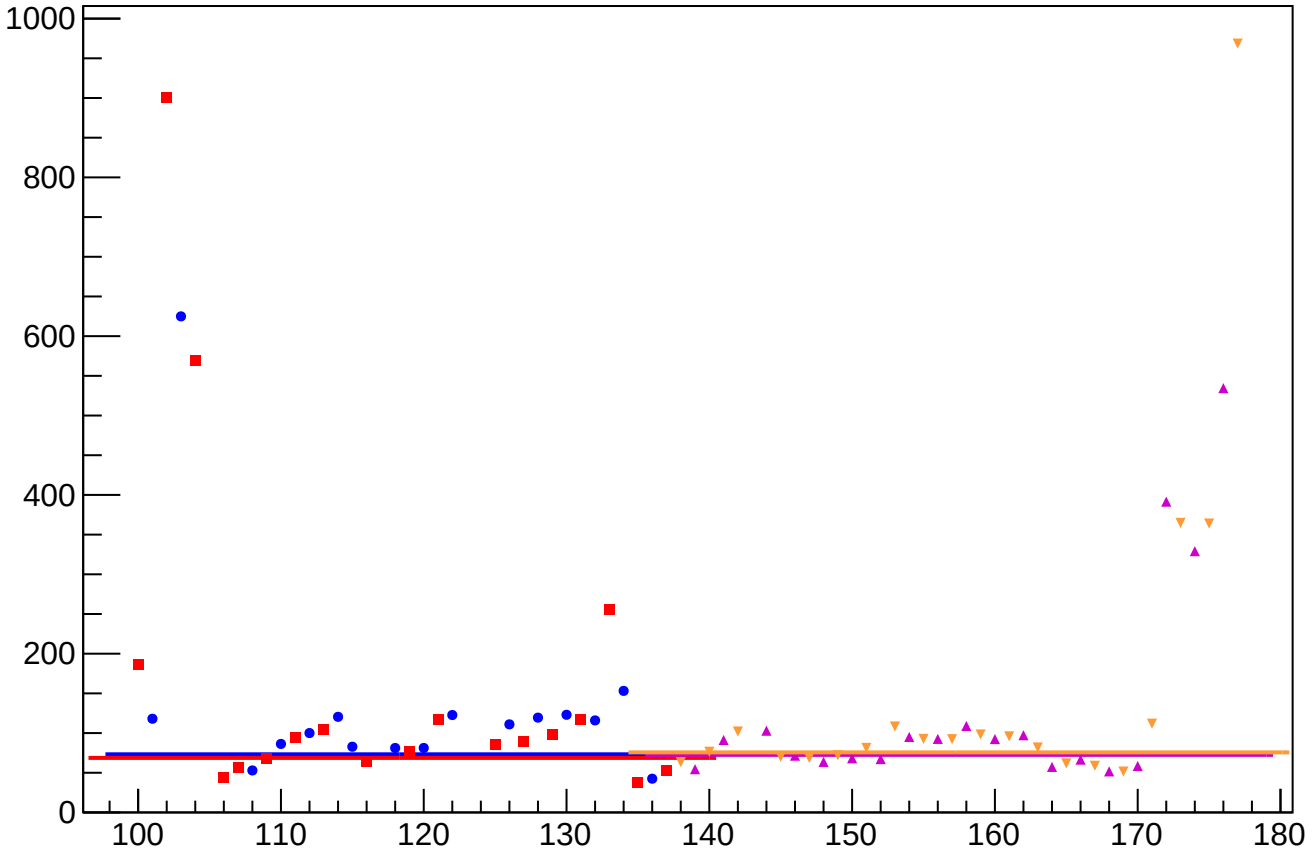
160
170
180
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.8/19
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.4/18
+ sign -0.044+/-0.018 χ²/NDF: 31.3/35
All: -0.018+/-0.013 χ²/NDF: 63.3/72
- sign 0.006+/-0.018 χ²/NDF: 28.3/36



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.679+/-0.016 χ^2/NDF:4276454.7/19

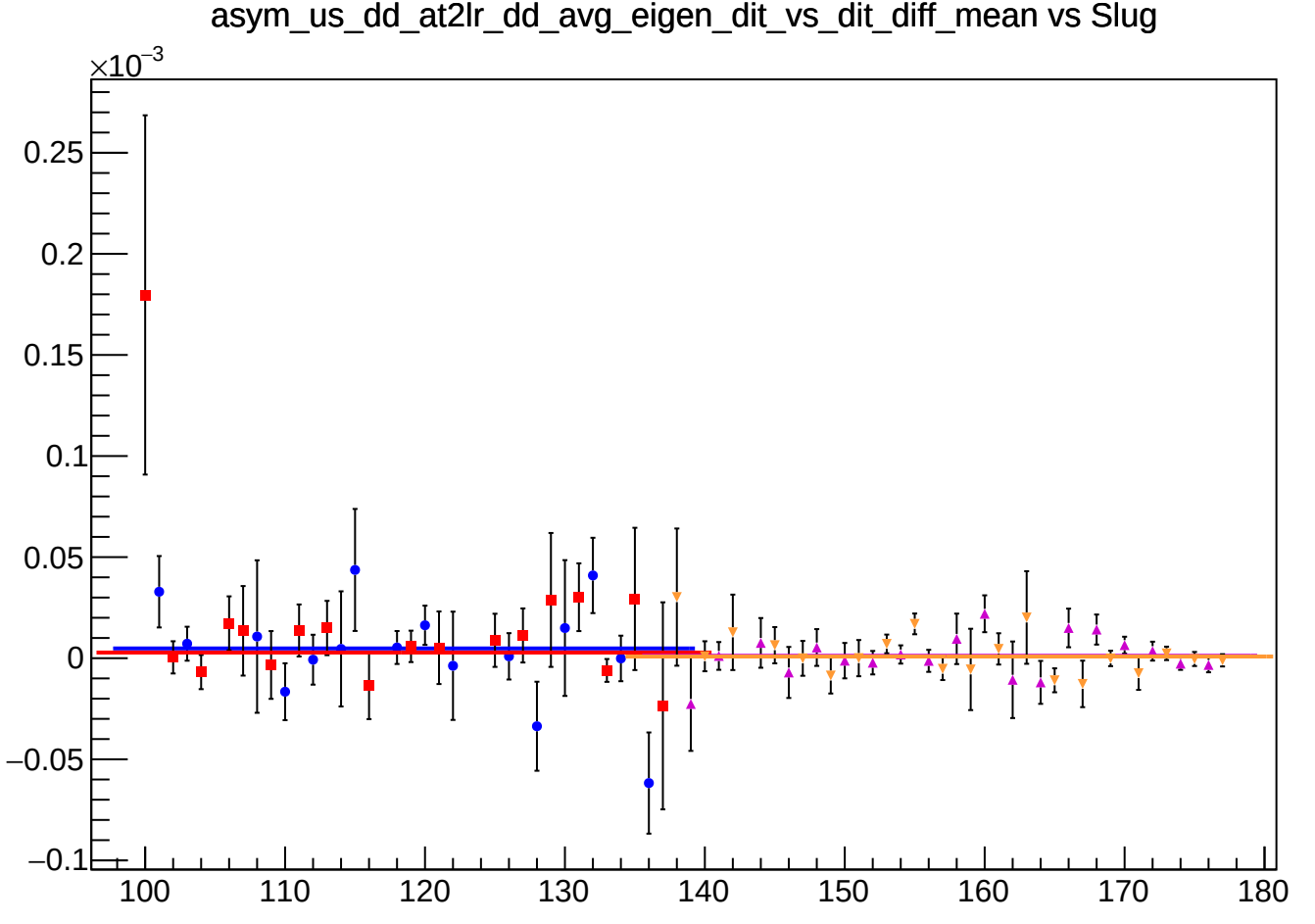
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.548+/-0.015 χ^2/NDF:4249015.2/18

\+ sign 74.895+/-0.013 χ^2/NDF: 7138870.7/35

All: 73.066+/-0.009 χ^2/NDF: 14778521.6/72

\- sign 71.367+/-0.012 χ^2/NDF: 7600923.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.8/19

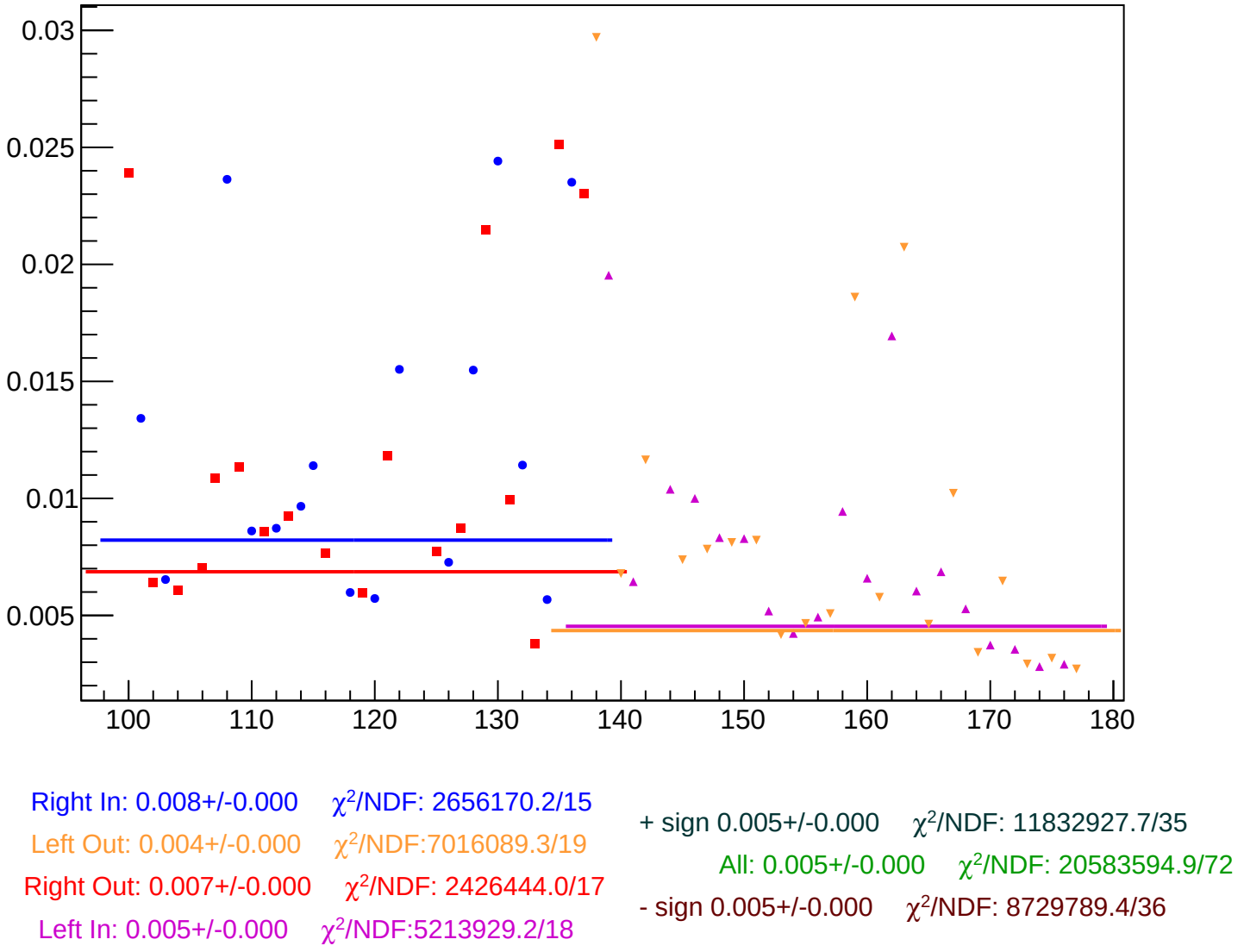
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:20.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 47.5/35

All: 0.000+/-0.000 χ^2/NDF: 84.9/72

- sign 0.000+/-0.000 χ^2/NDF: 37.3/36


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
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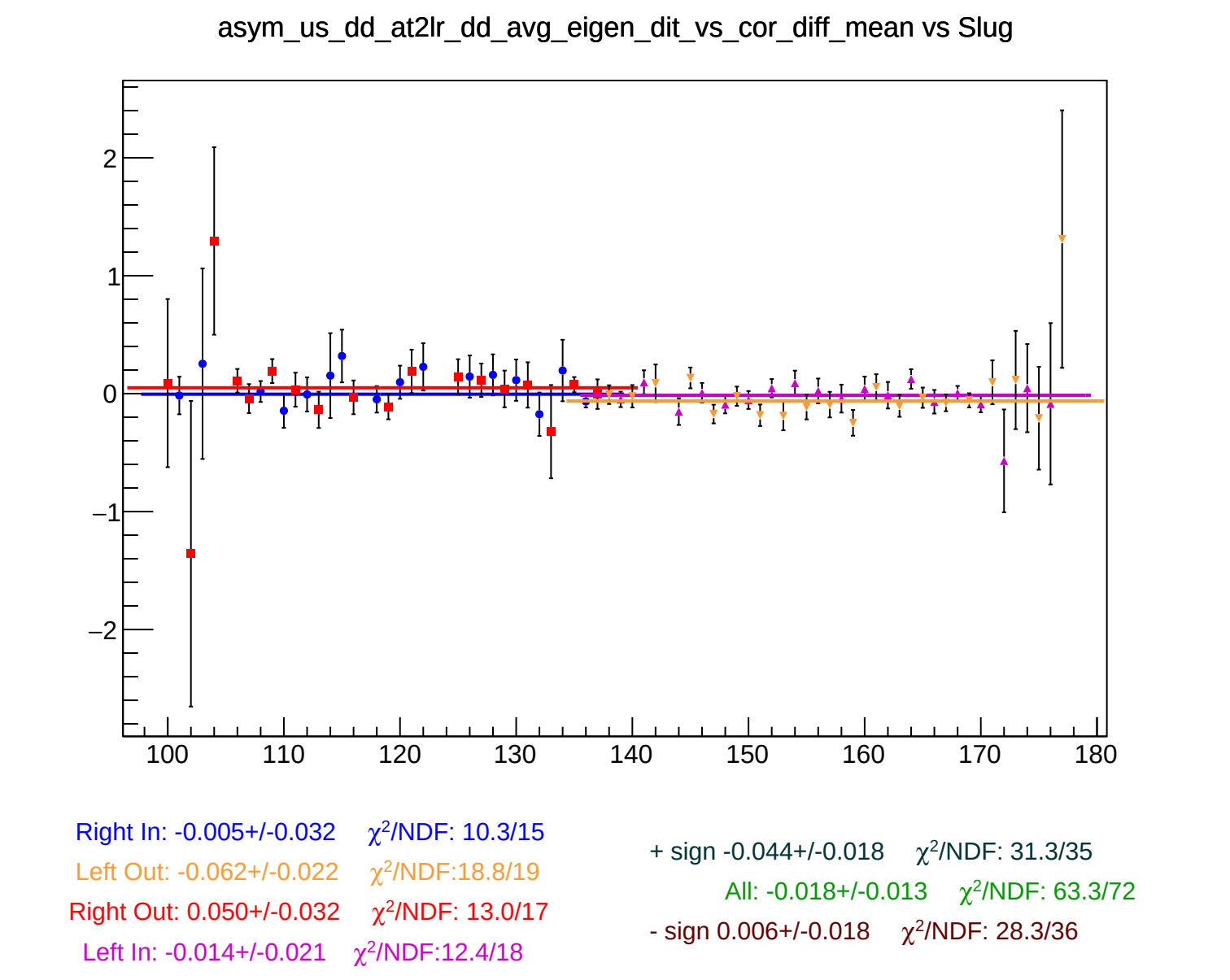
130
140
150
160
170
180
Right In: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.004+/-0.000 χ²/NDF:7016089.3/19
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.005+/-0.000 χ²/NDF:5213929.2/18
+ sign 0.005+/-0.000 χ²/NDF: 11832927.7/35
All: 0.005+/-0.000 χ²/NDF: 20583594.9/72
- sign 0.005+/-0.000 χ²/NDF: 8729789.4/36


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
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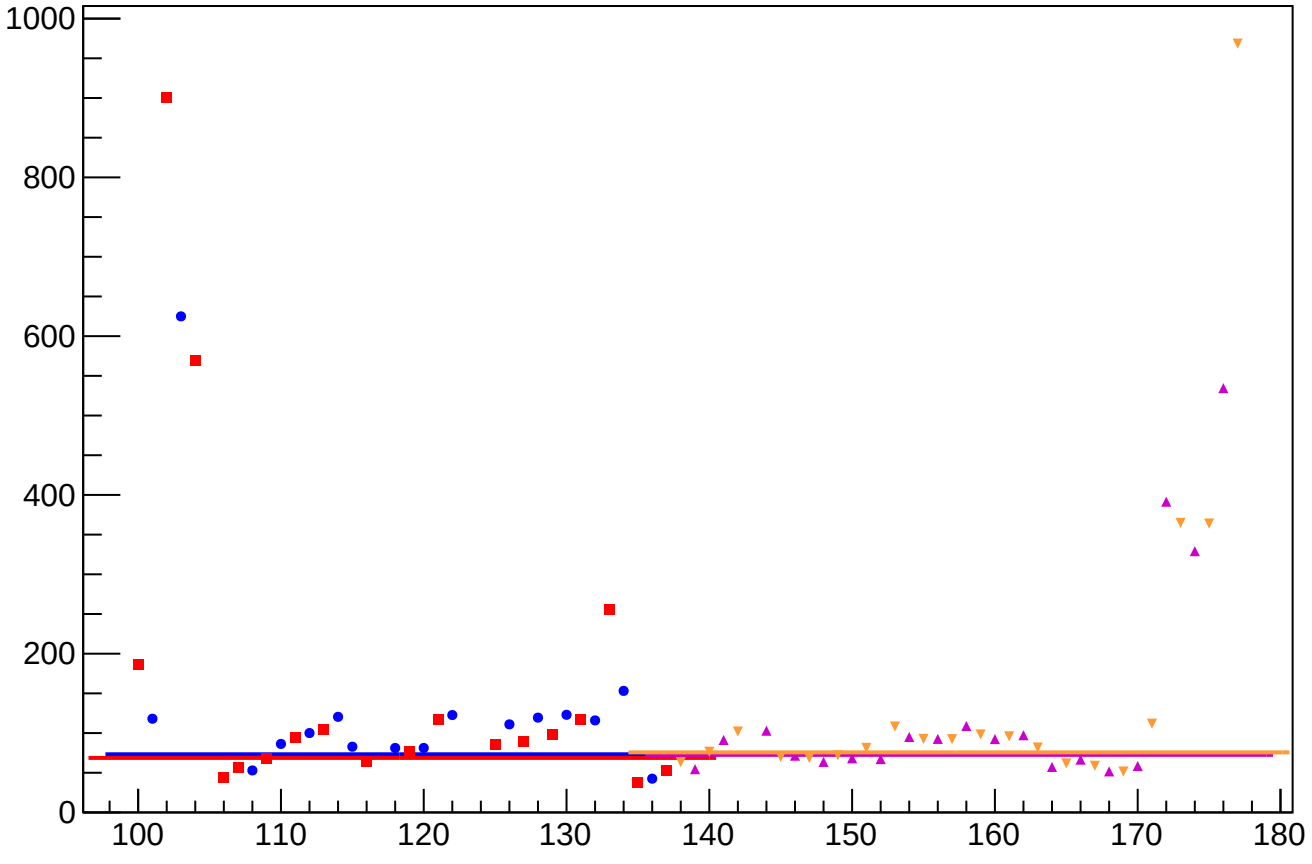
170
180
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.8/19
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.4/18
+ sign -0.044+/-0.018 χ²/NDF: 31.3/35
All: -0.018+/-0.013 χ²/NDF: 63.3/72
- sign 0.006+/-0.018 χ²/NDF: 28.3/36



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.678+/-0.016 χ^2/NDF:4276372.8/19

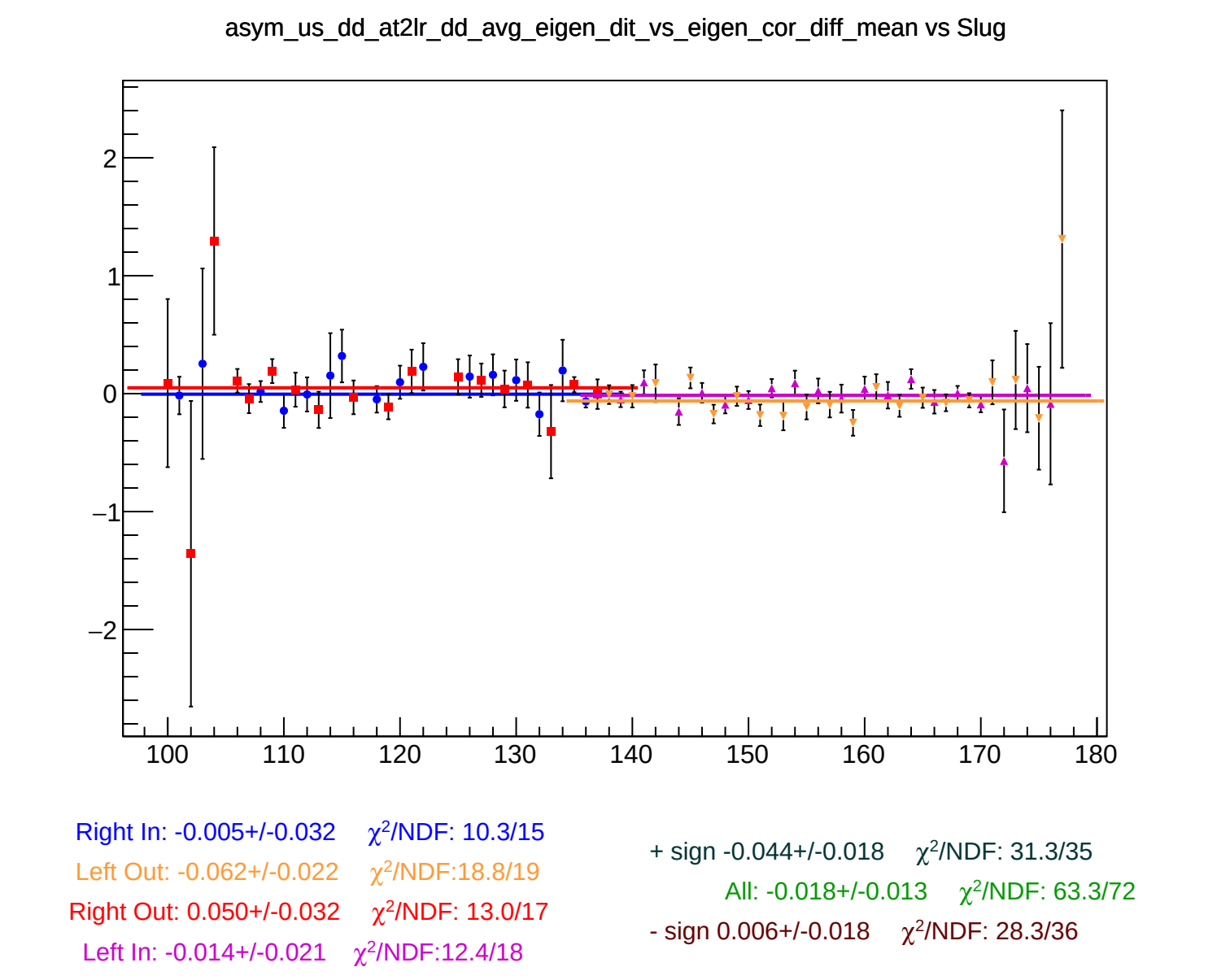
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.549+/-0.015 χ^2/NDF:4248748.4/18

+ sign 74.903+/-0.013 χ^2/NDF: 7136330.8/35

All: 73.068+/-0.009 χ^2/NDF: 14777085.0/72

- sign 71.364+/-0.012 χ^2/NDF: 7601790.7/36


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
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−2
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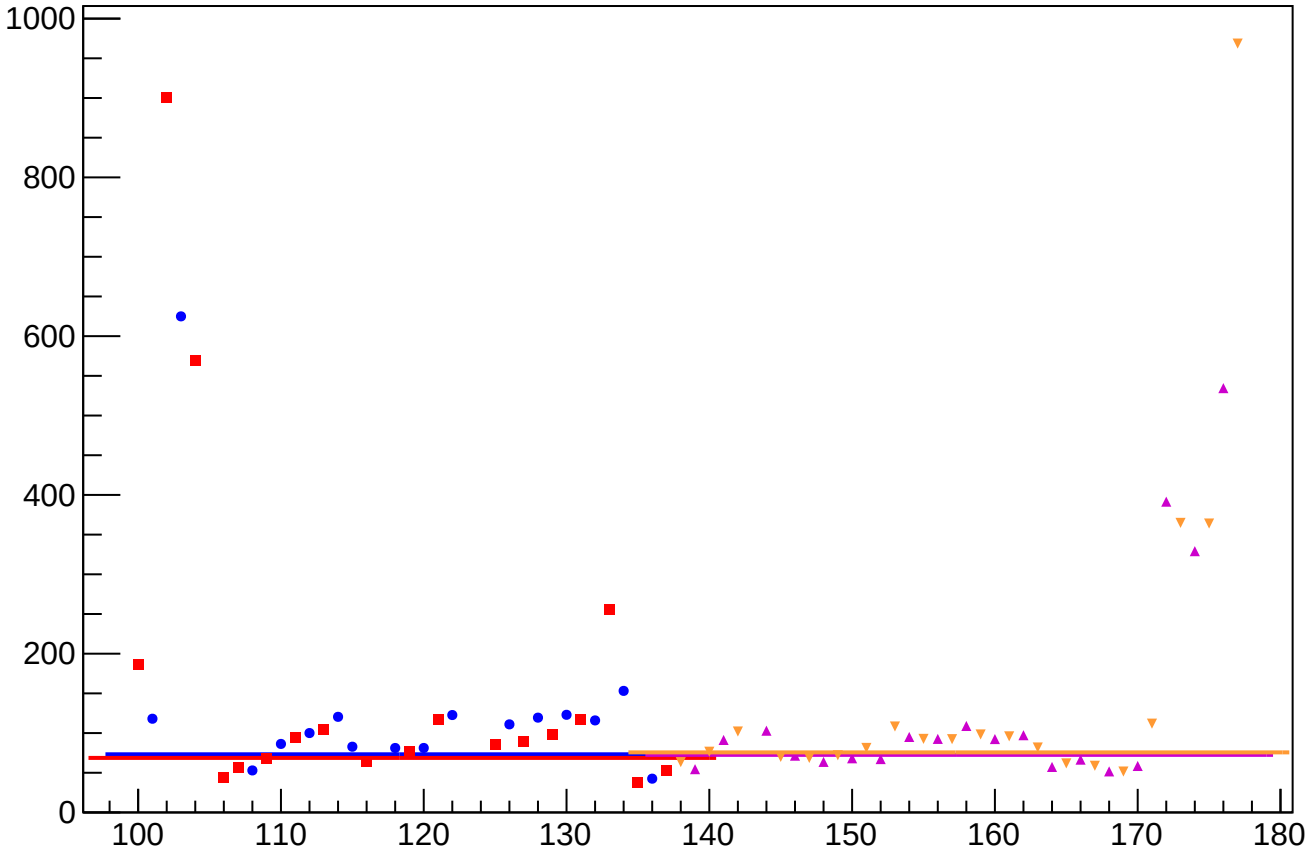
120
130
140
150
160
170
180
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.022 χ²/NDF:18.8/19
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.021 χ²/NDF:12.4/18
+ sign -0.044+/-0.018 χ²/NDF: 31.3/35
All: -0.018+/-0.013 χ²/NDF: 63.3/72
- sign 0.006+/-0.018 χ²/NDF: 28.3/36



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.678+/-0.016 χ^2/NDF:4276372.8/19

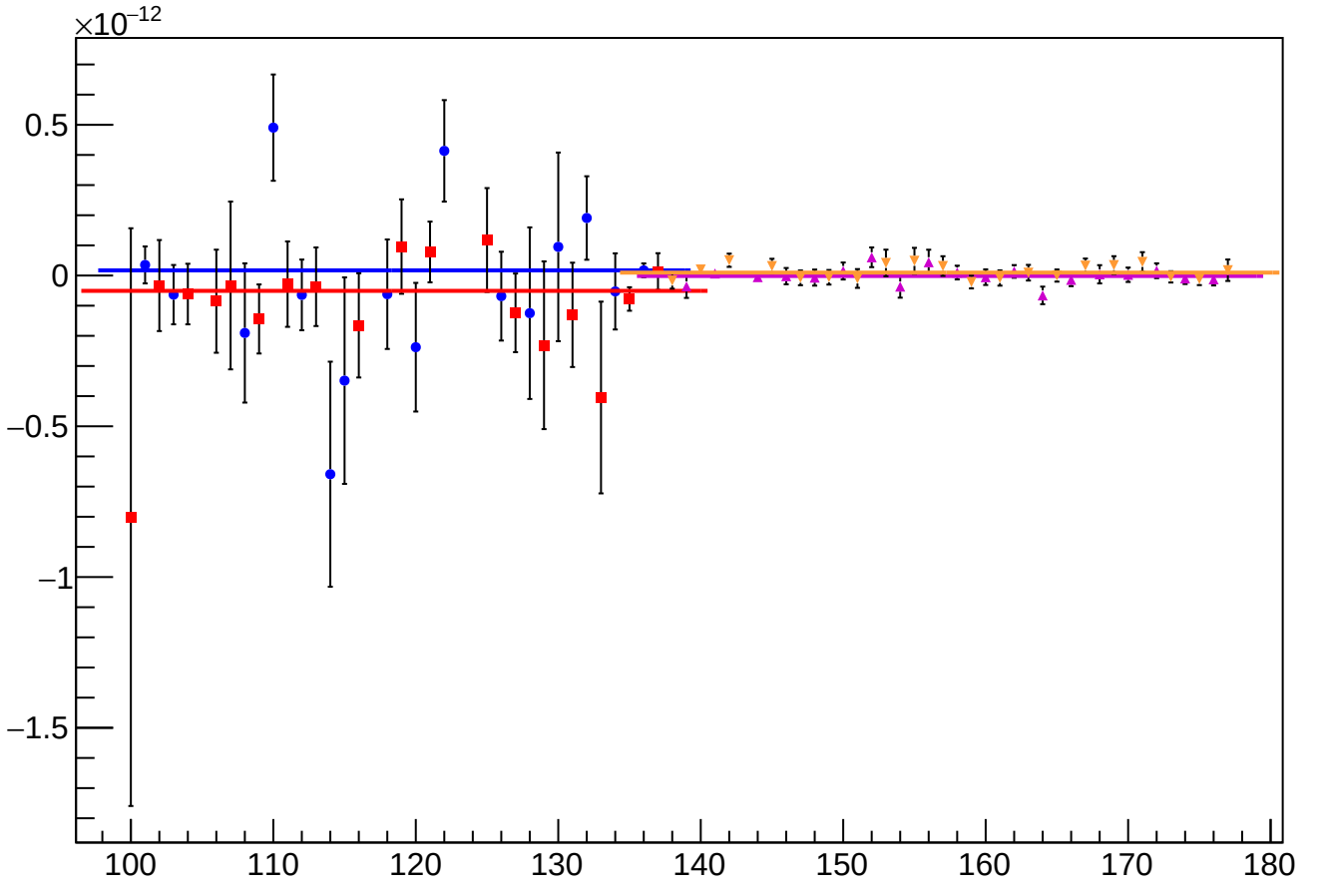
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.549+/-0.015 χ^2/NDF:4248748.4/18

\+ sign 74.903+/-0.013 χ^2/NDF: 7136330.8/35

All: 73.068+/-0.009 χ^2/NDF: 14777085.0/72

\- sign 71.364+/-0.012 χ^2/NDF: 7601790.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/19

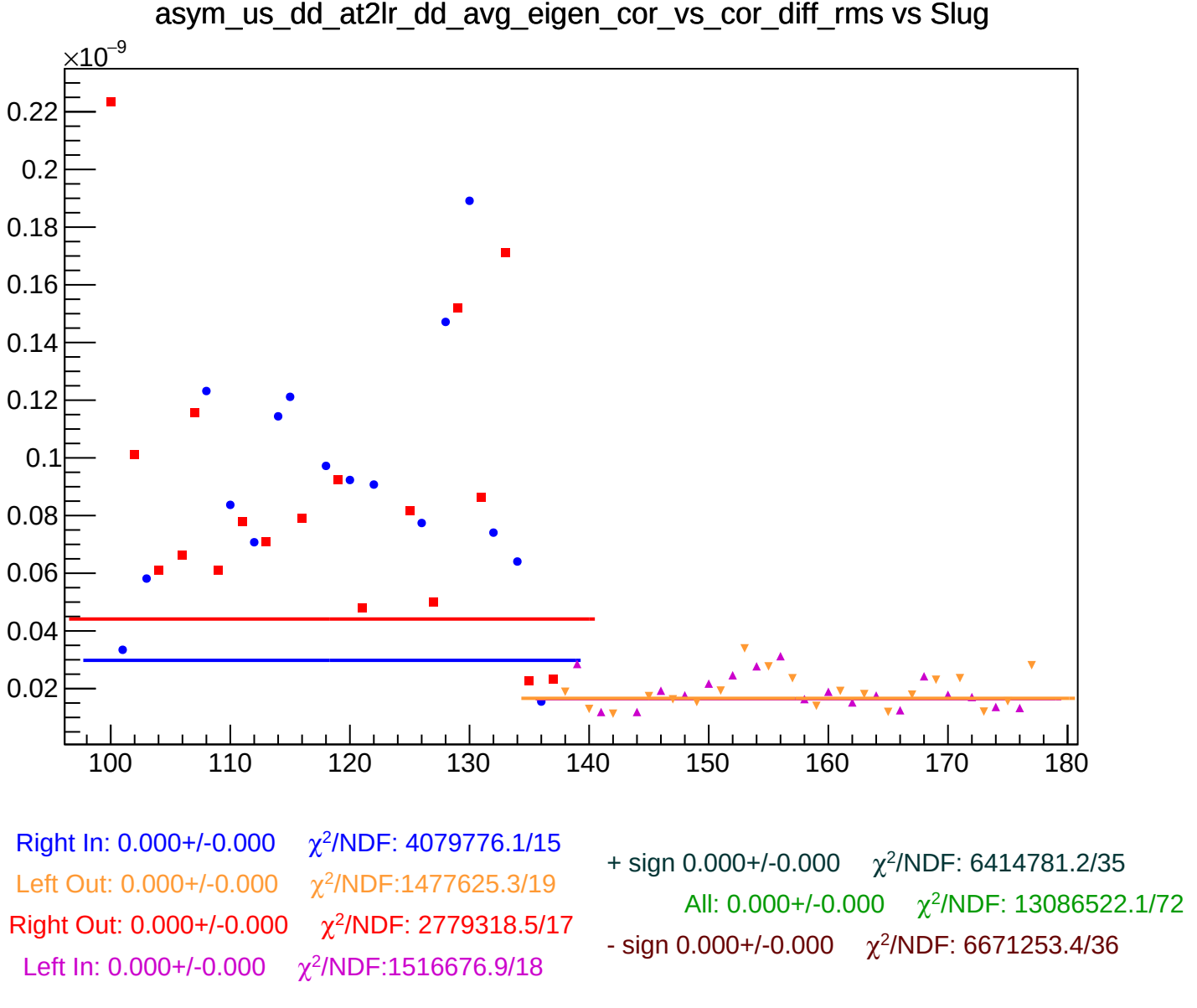
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

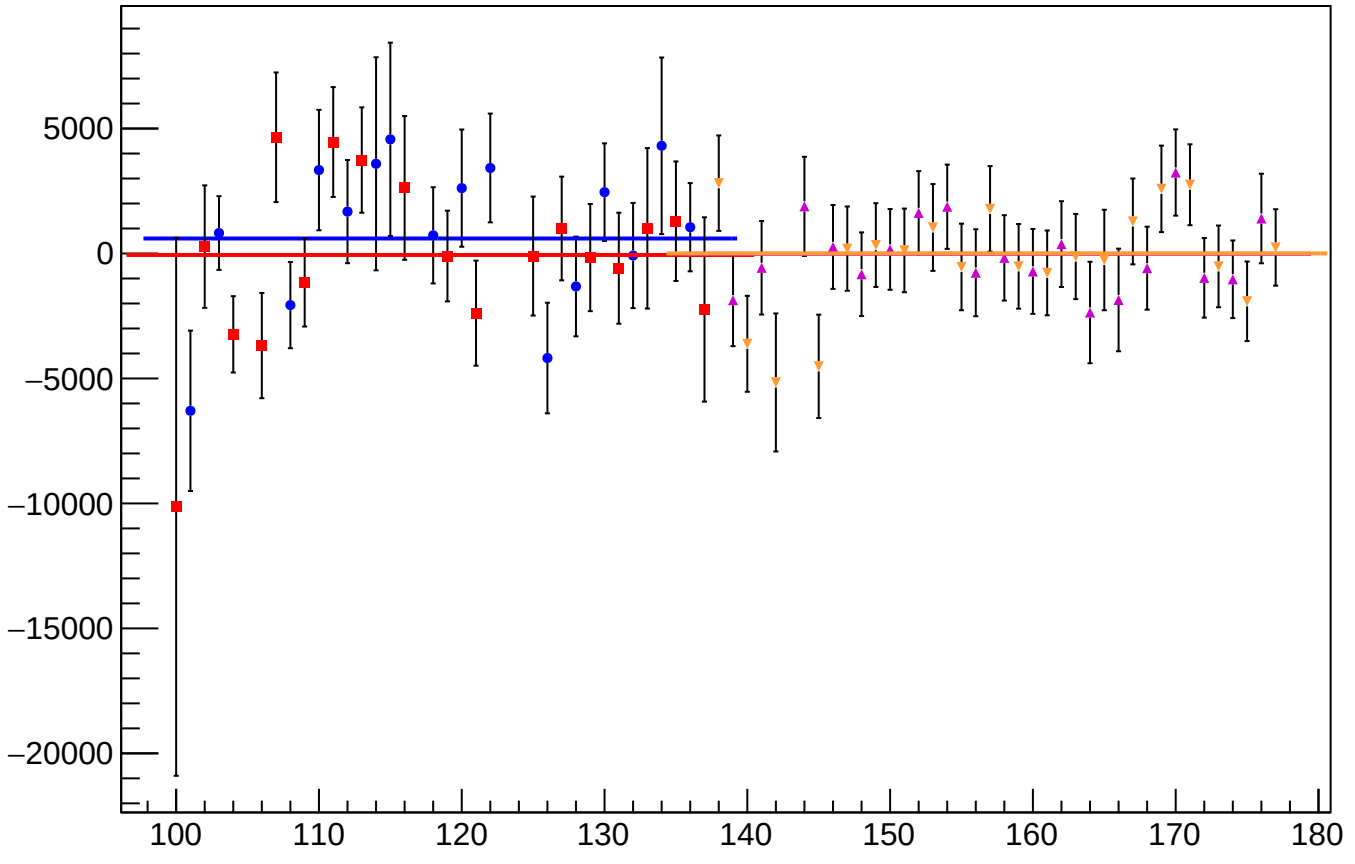
Left In: -0.000+/-0.000 χ^2/NDF:14.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 39.7/35

All: 0.000+/-0.000 χ^2/NDF: 70.4/72

- sign -0.000+/-0.000 χ^2/NDF: 27.2/36


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:1477625.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1516676.9/18
+ sign 0.000+/-0.000 χ²/NDF: 6414781.2/35
All: 0.000+/-0.000 χ²/NDF: 13086522.1/72
- sign 0.000+/-0.000 χ²/NDF: 6671253.4/36



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 2.721+/-391.602 χ^2/NDF:23.1/19

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

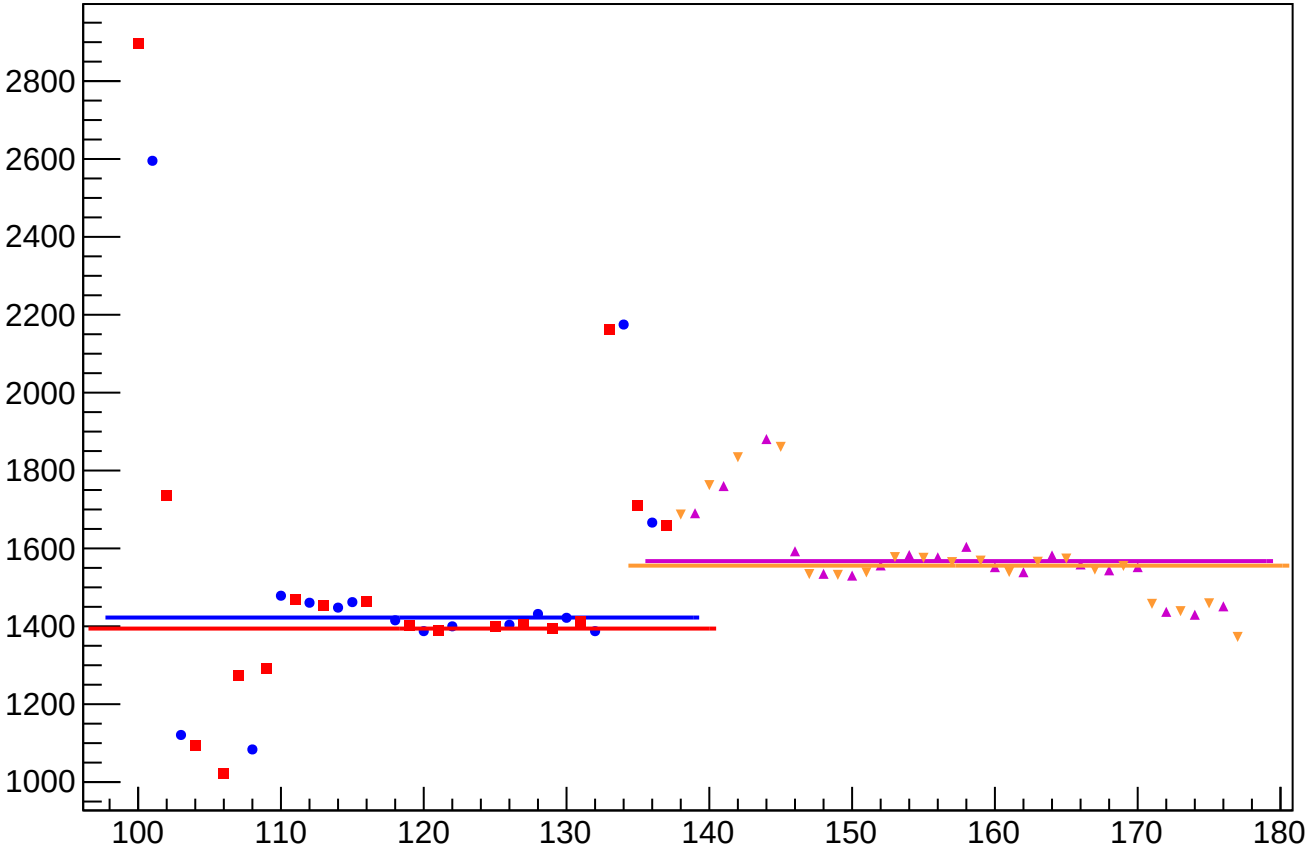
Left In: -13.347+/-398.440 χ^2/NDF:12.2/18

+ sign 208.596+/-317.028 χ^2/NDF: 44.3/35

All: 89.932+/-224.700 χ^2/NDF: 79.3/72

- sign -29.856+/-318.525 χ^2/NDF: 34.7/36

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1555.767+/-0.277 χ^2/NDF:152267.6/19

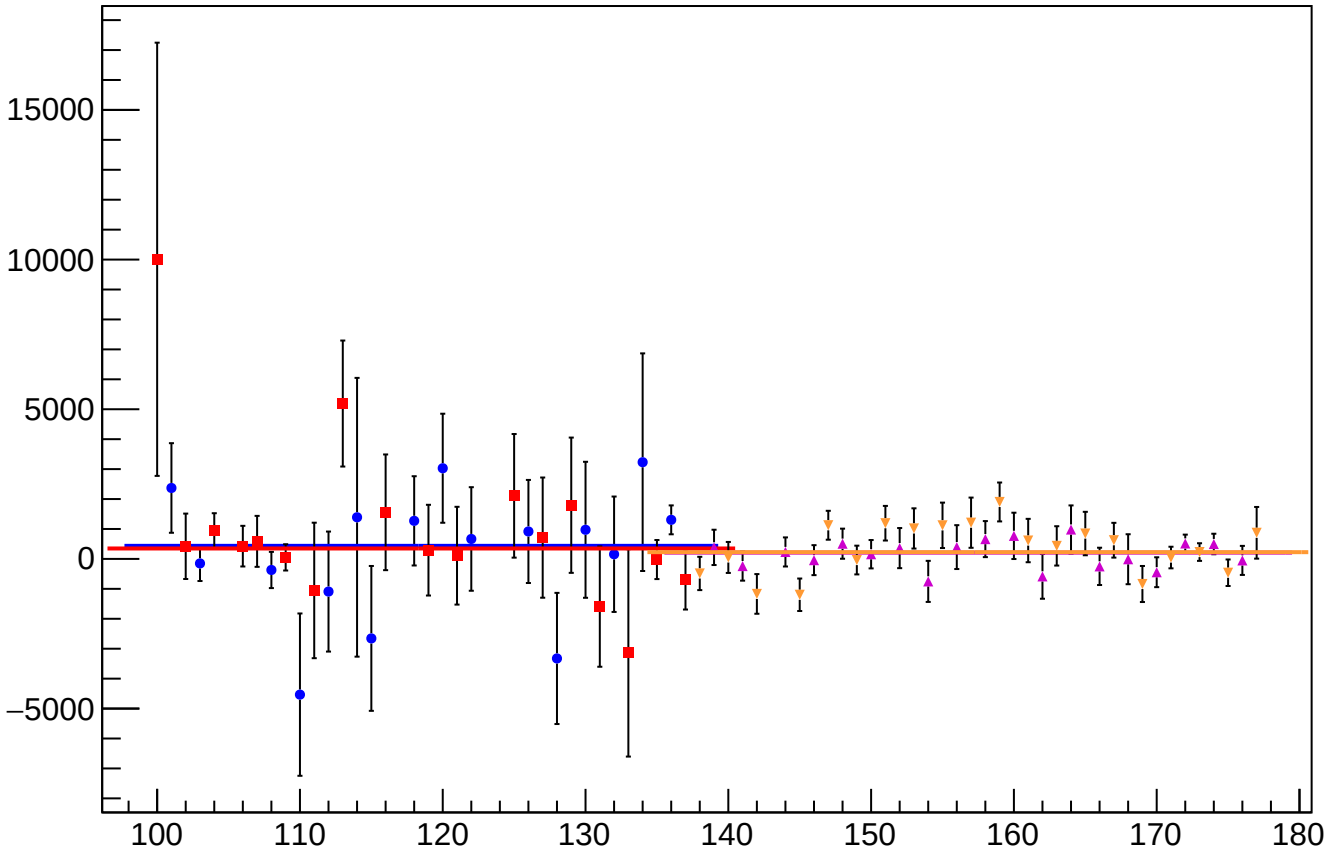
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

+ sign 1509.848+/-0.224 χ^2/NDF: 792328.6/35

All: 1507.383+/-0.159 χ^2/NDF: 1445311.7/72

- sign 1504.895+/-0.225 χ^2/NDF: 652740.1/36



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 225.427+/-119.963 χ^2/NDF:38.4/19

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

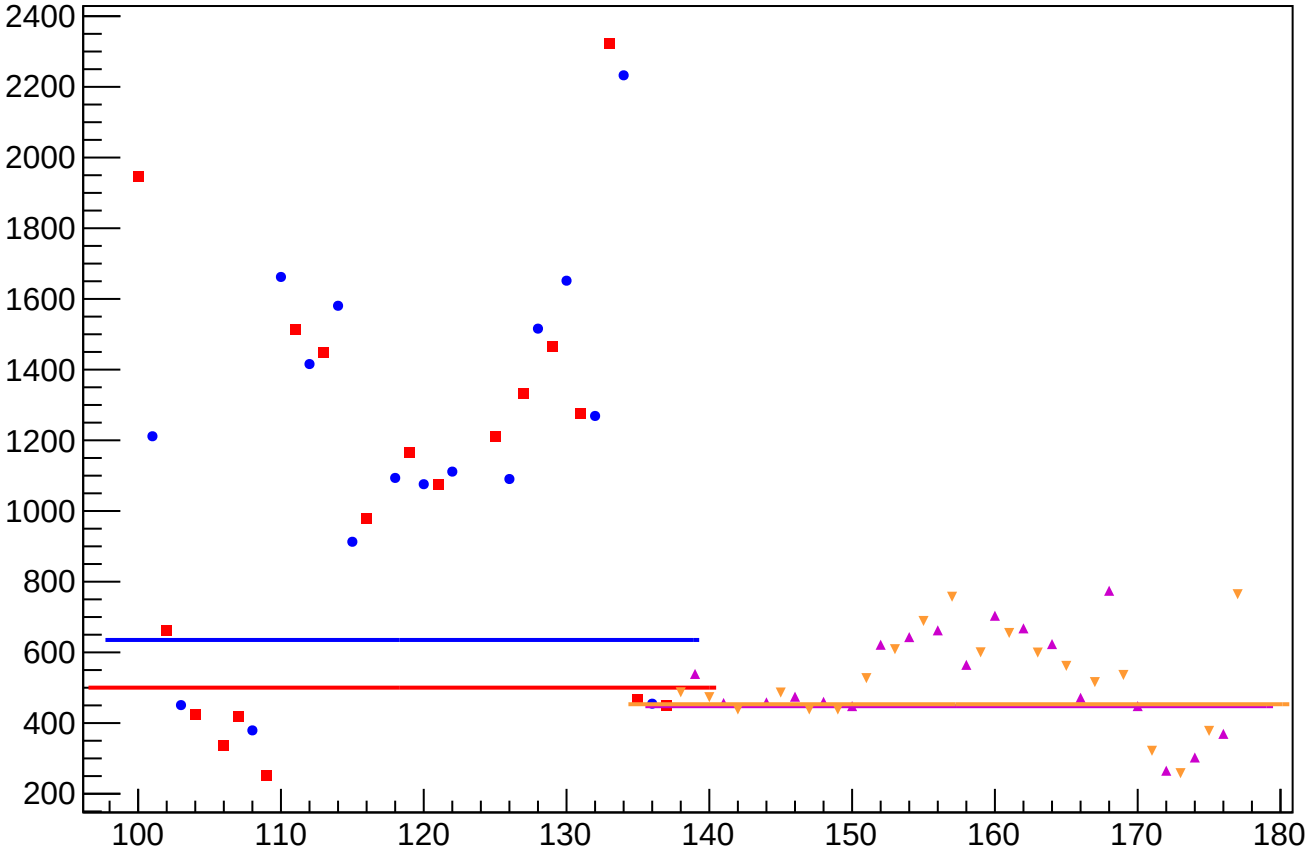
Left In: 209.593+/-119.579 χ^2/NDF:11.2/18

+ sign 258.985+/-110.015 χ^2/NDF: 58.2/35

All: 248.365+/-76.504 χ^2/NDF: 83.6/72

- sign 238.420+/-106.457 χ^2/NDF: 25.4/36

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: 453.299+/-0.085 χ^2/NDF:2541486.7/19

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

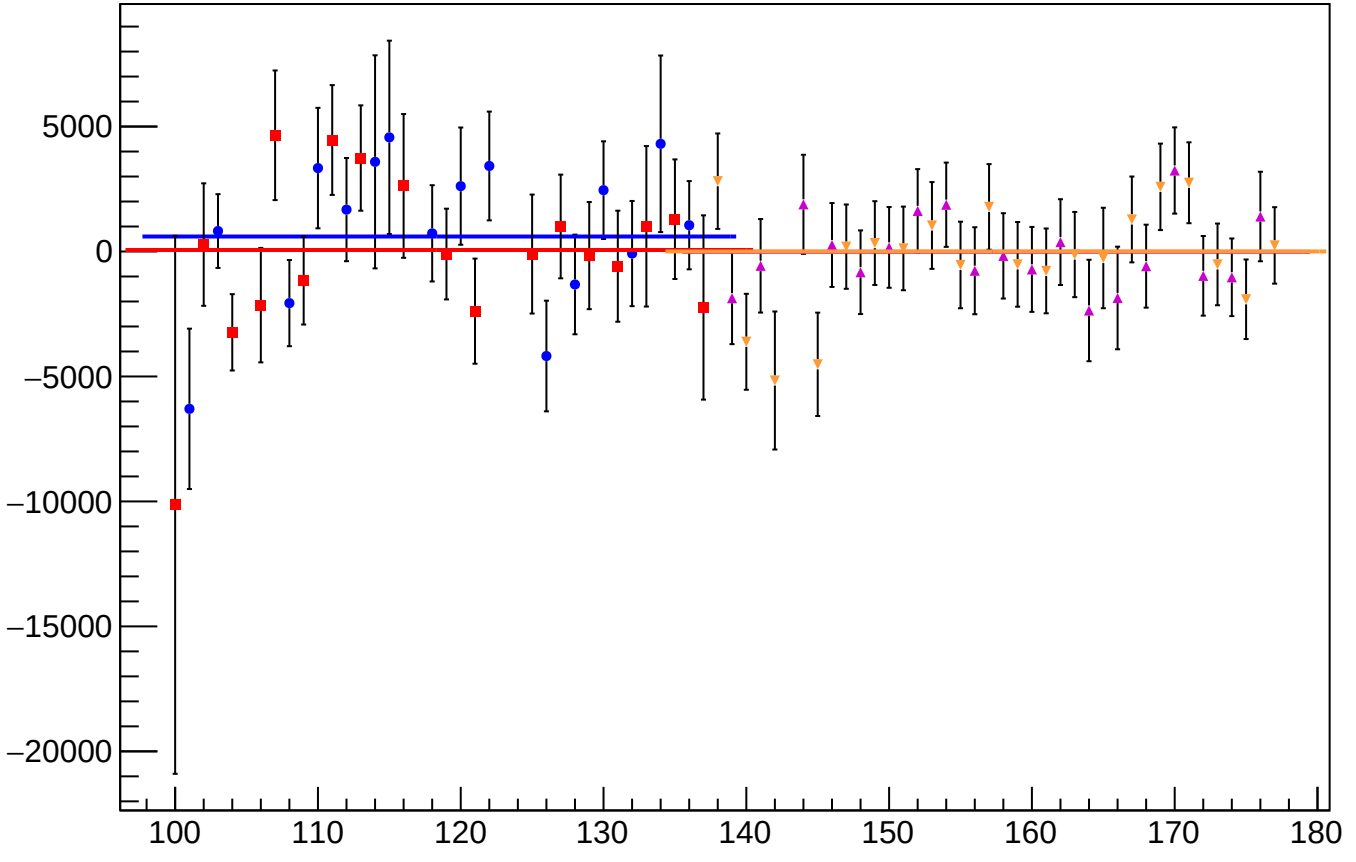
Left In: 447.741+/-0.085 χ^2/NDF:2571372.0/18

+ sign 482.208+/-0.078 χ^2/NDF: 7024598.9/35

All: 470.031+/-0.054 χ^2/NDF: 14032445.6/72

- sign 458.629+/-0.075 χ^2/NDF: 6960401.9/36

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 2.709+/-391.602 χ^2/NDF:23.1/19

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

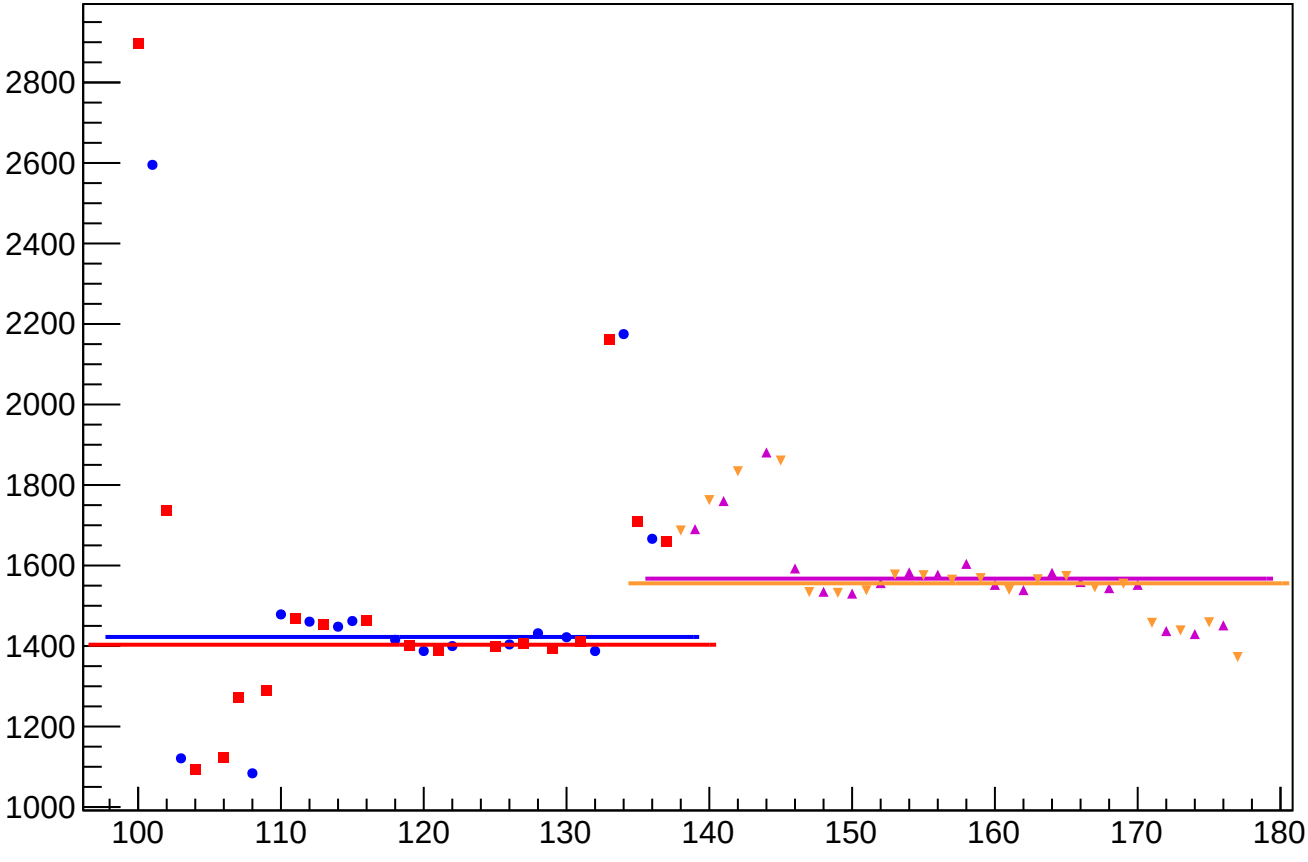
Left In: -13.306+/-398.440 χ^2/NDF:12.2/18

+ sign 208.545+/-317.028 χ^2/NDF: 44.3/35

All: 111.463+/-224.898 χ^2/NDF: 77.0/72

- sign 13.114+/-319.091 χ^2/NDF: 32.5/36

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1555.767+/-0.277 χ^2/NDF:152267.6/19

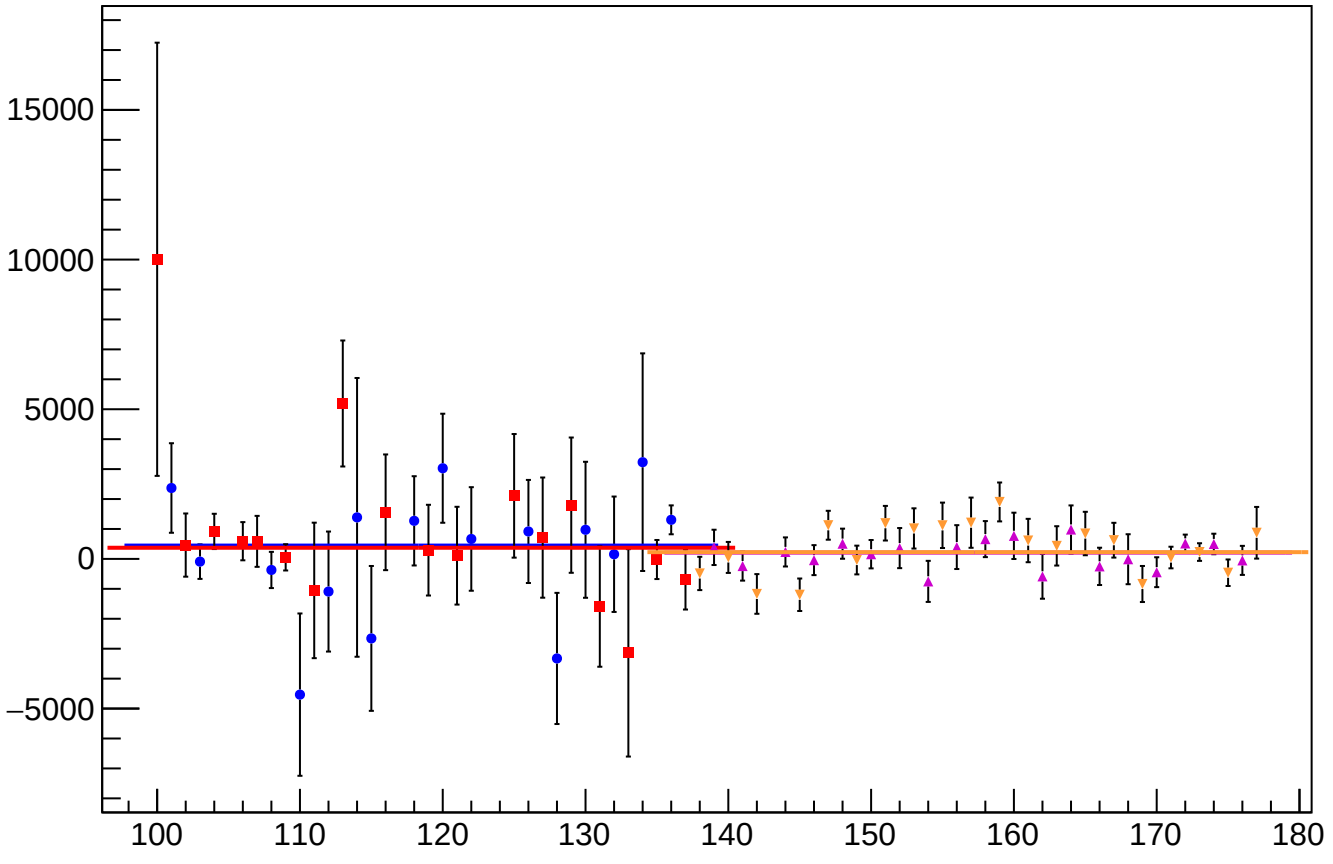
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

+ sign 1509.848+/-0.224 χ^2/NDF: 792329.0/35

All: 1509.195+/-0.159 χ^2/NDF: 1395877.9/72

- sign 1508.534+/-0.226 χ^2/NDF: 603531.9/36



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 225.452+/-119.964 χ^2/NDF:38.4/19

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

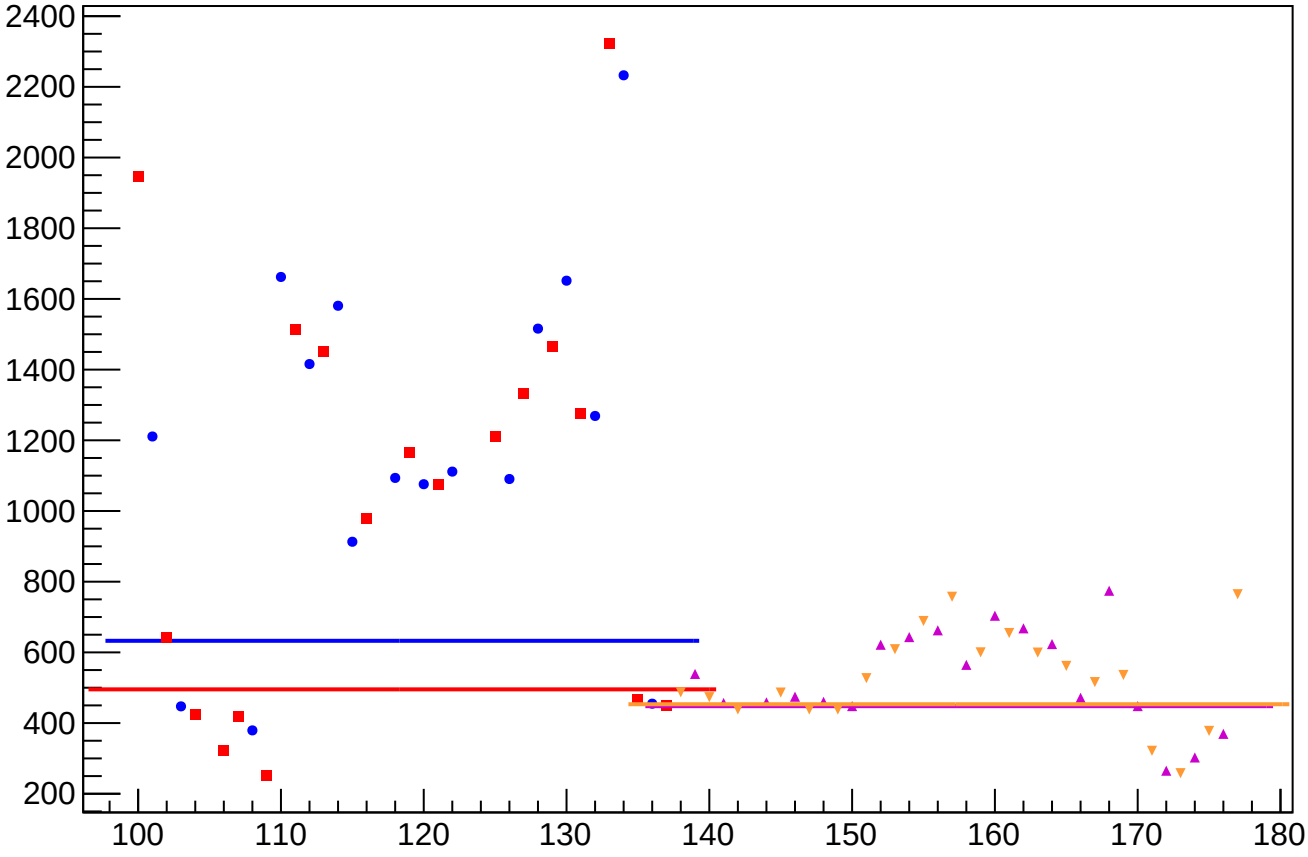
Left In: 209.759+/-119.580 χ^2/NDF:11.2/18

+ sign 260.628+/-109.940 χ^2/NDF: 58.1/35

All: 252.069+/-76.394 χ^2/NDF: 83.7/72

- sign 244.078+/-106.229 χ^2/NDF: 25.6/36

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: 453.299+/-0.085 χ^2/NDF:2541728.4/19

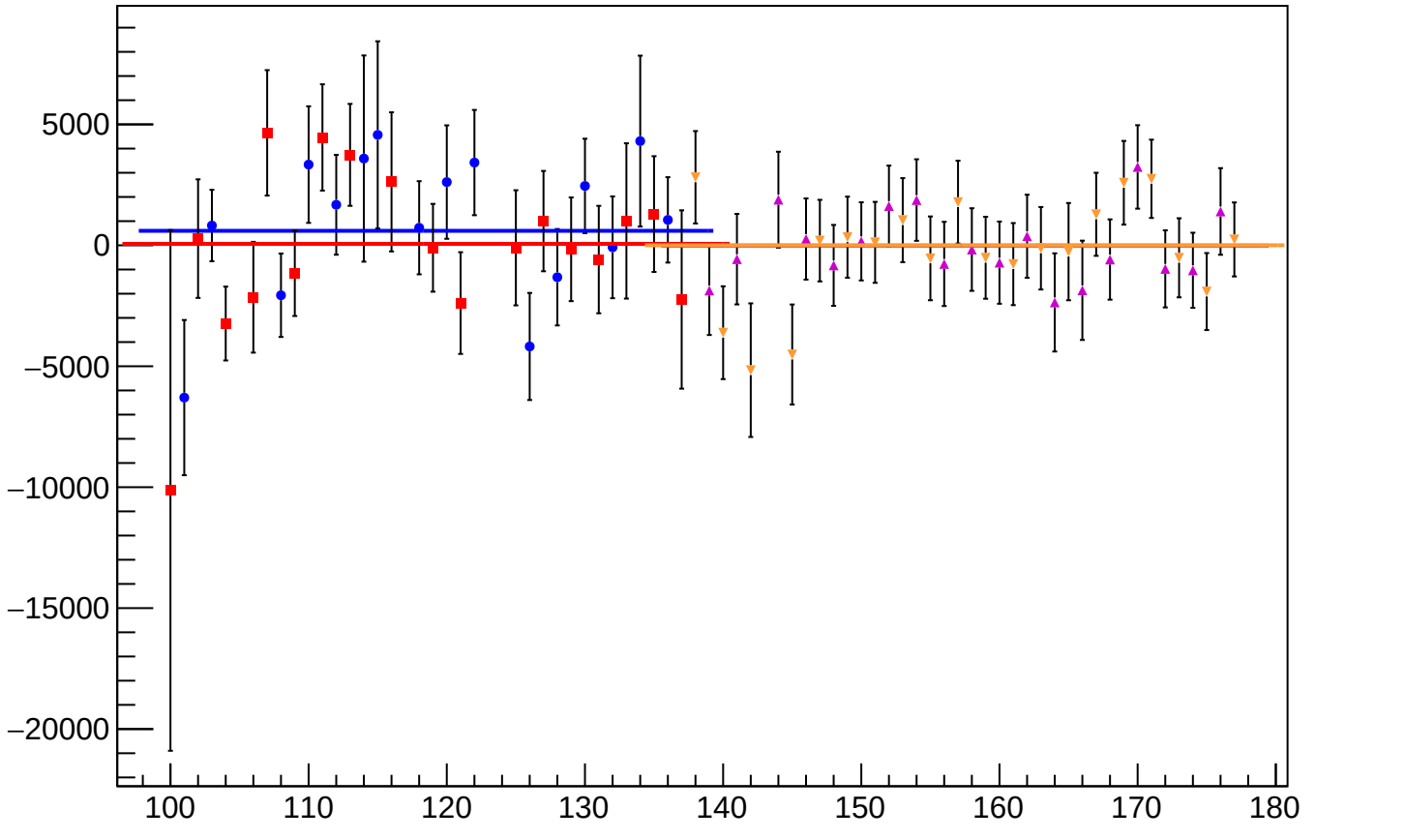
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 447.746+/-0.085 χ^2/NDF:2571099.3/18

+ sign 482.035+/-0.078 χ^2/NDF: 7026120.2/35

All: 469.496+/-0.054 χ^2/NDF: 14051920.2/72

- sign 457.789+/-0.075 χ^2/NDF: 6975492.7/36



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 2.709+/-391.602 χ^2/NDF:23.1/19

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

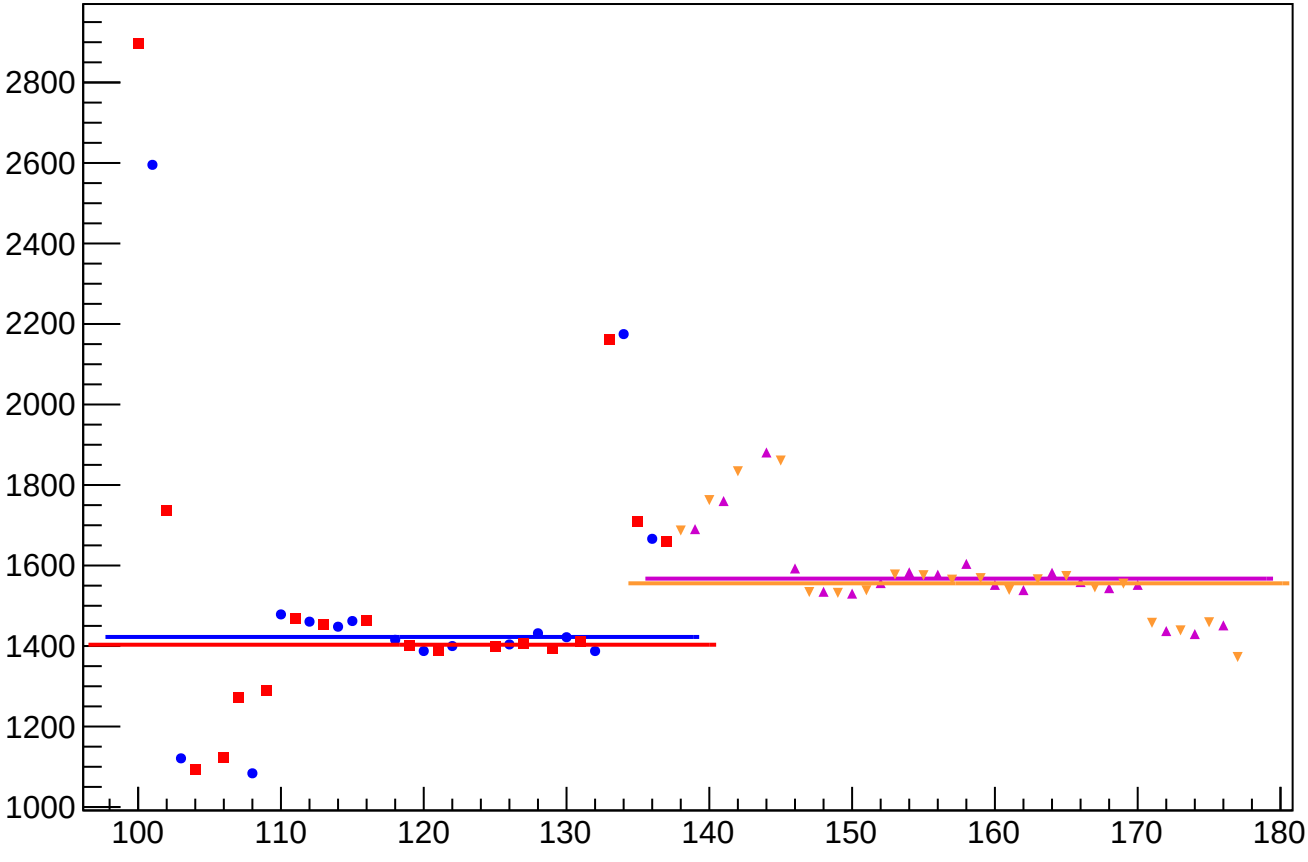
Left In: -13.306+/-398.440 χ^2/NDF:12.2/18

\+ sign 208.545+/-317.028 χ^2/NDF: 44.3/35

All: 111.463+/-224.898 χ^2/NDF: 77.0/72

\- sign 13.114+/-319.091 χ^2/NDF: 32.5/36

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: 1555.767+/-0.277 χ^2/NDF:152267.6/19

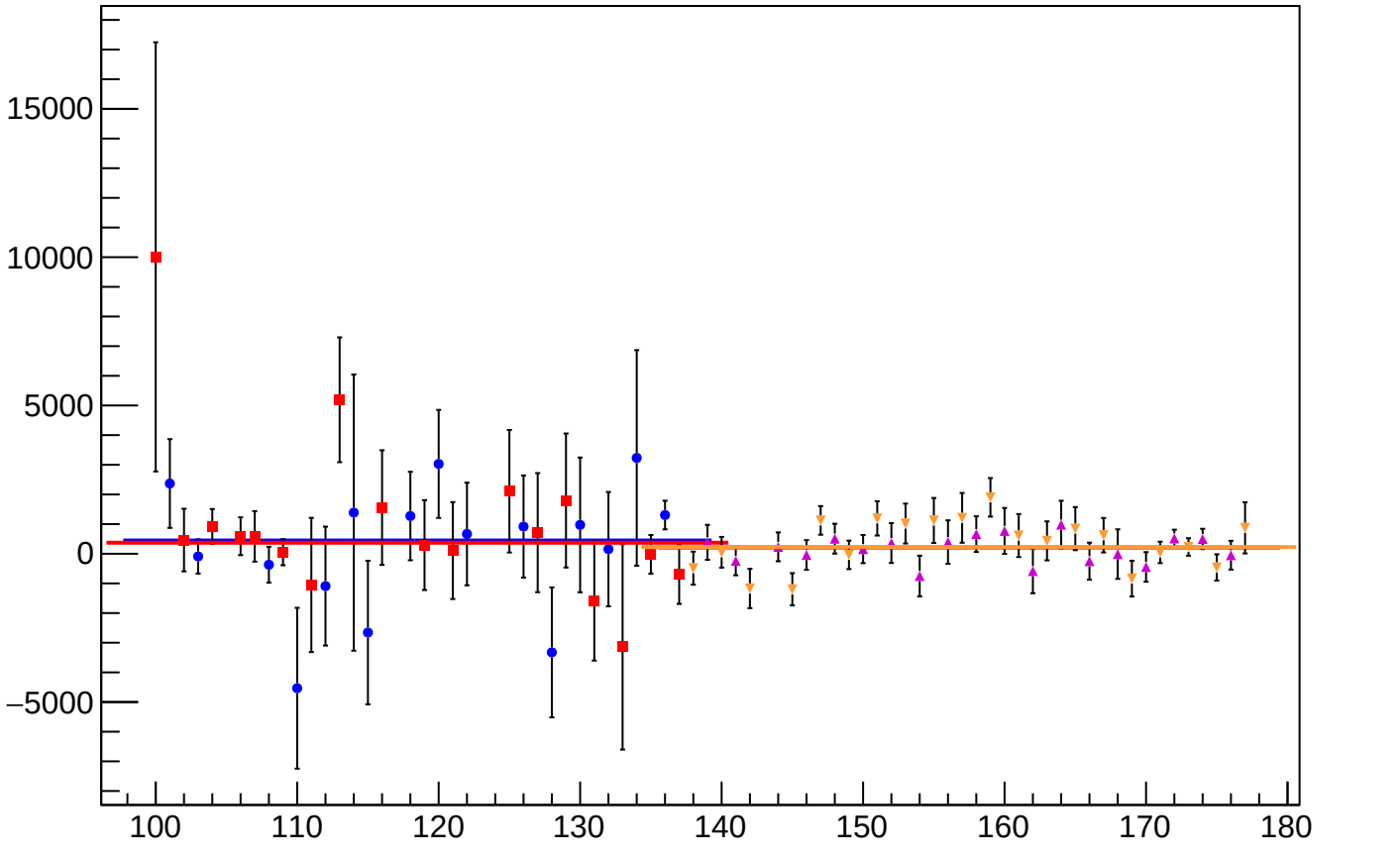
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

+ sign 1509.848+/-0.224 χ^2/NDF: 792329.0/35

All: 1509.195+/-0.159 χ^2/NDF: 1395877.9/72

- sign 1508.534+/-0.226 χ^2/NDF: 603531.9/36



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 225.452+/-119.964 χ^2/NDF:38.4/19

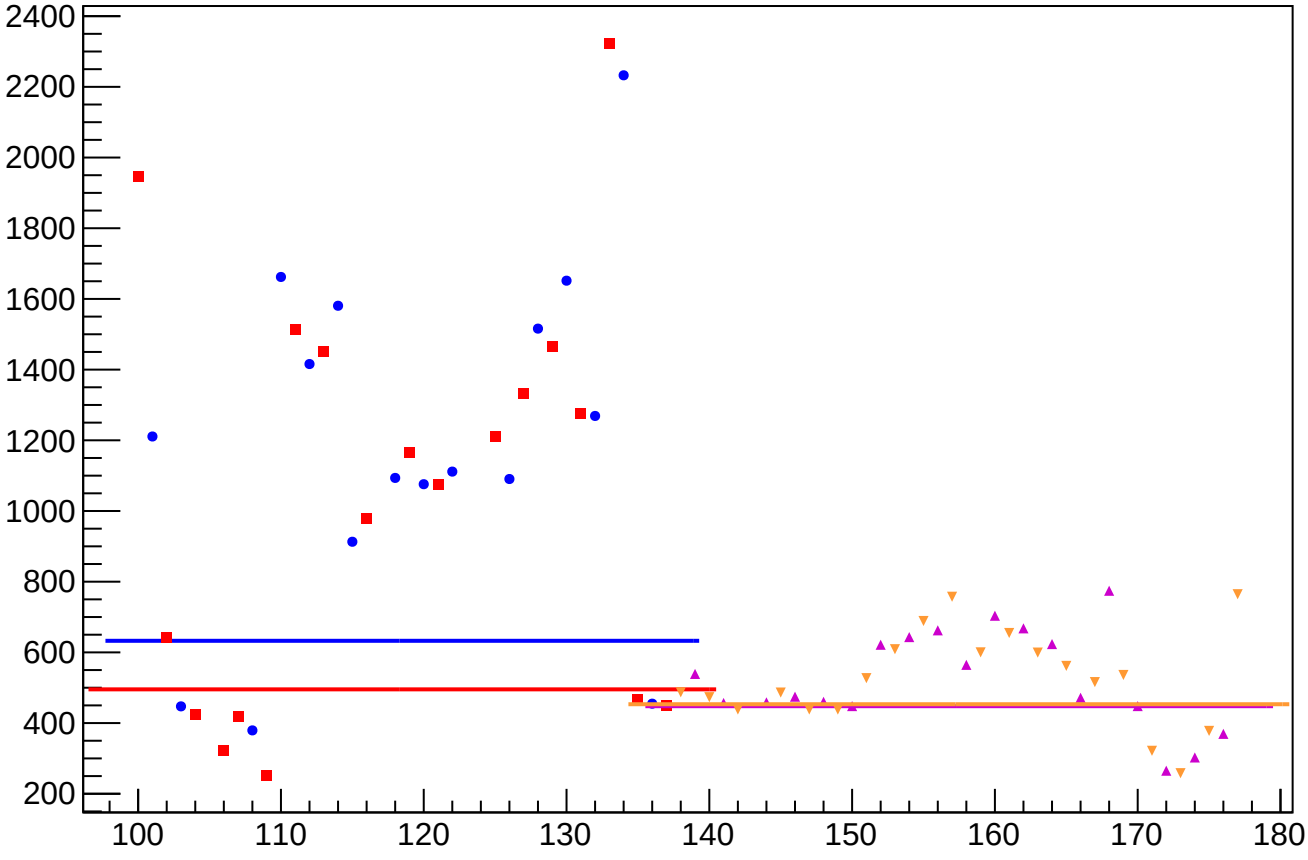
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 209.759+/-119.580 χ^2/NDF:11.2/18

+ sign 260.628+/-109.940 χ^2/NDF: 58.1/35

All: 252.069+/-76.394 χ^2/NDF: 83.7/72

- sign 244.078+/-106.229 χ^2/NDF: 25.6/36



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 453.299+/-0.085 χ^2/NDF:2541728.4/19

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

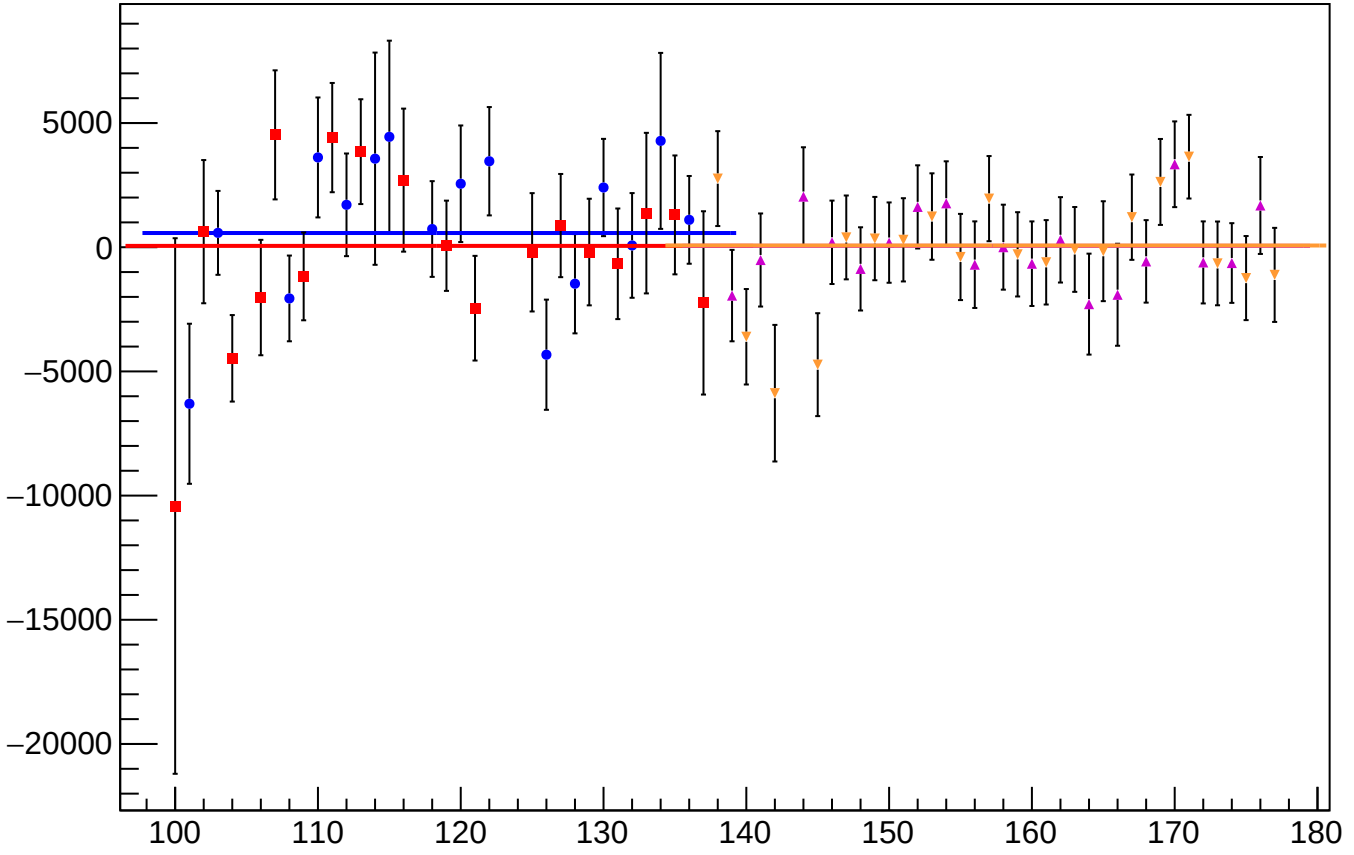
Left In: 447.746+/-0.085 χ^2/NDF:2571099.3/18

+ sign 482.035+/-0.078 χ^2/NDF: 7026120.2/35

All: 469.496+/-0.054 χ^2/NDF: 14051920.2/72

- sign 457.789+/-0.075 χ^2/NDF: 6975492.7/36

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 69.265+/-399.562 χ^2/NDF:26.0/19

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

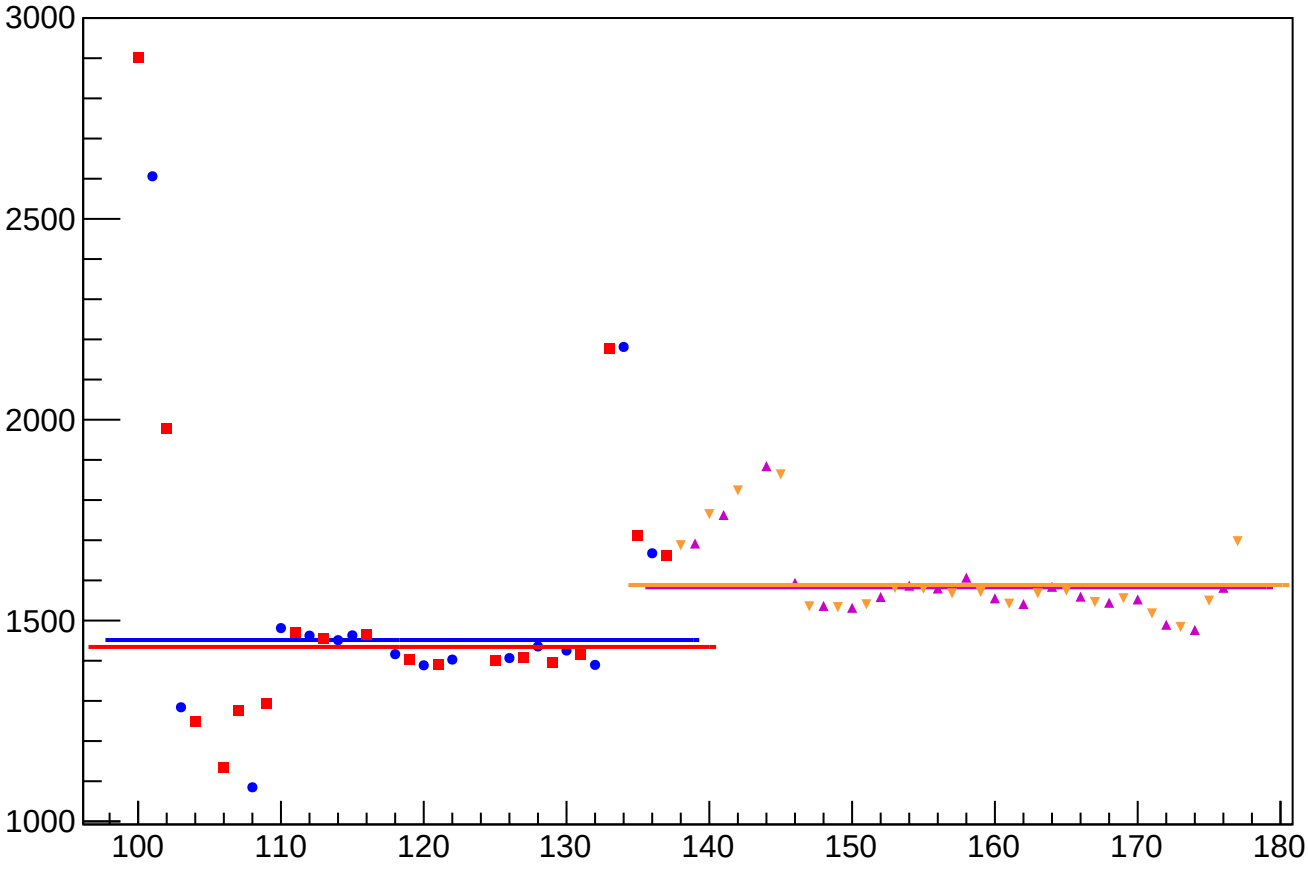
Left In: 55.409+/-402.164 χ^2/NDF:11.9/18

+ sign 243.185+/-323.189 χ^2/NDF: 47.4/35

All: 149.146+/-228.700 χ^2/NDF: 82.0/72

- sign 54.826+/-323.672 χ^2/NDF: 34.5/36

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1588.436+/-0.283 χ^2/NDF:101309.3/19

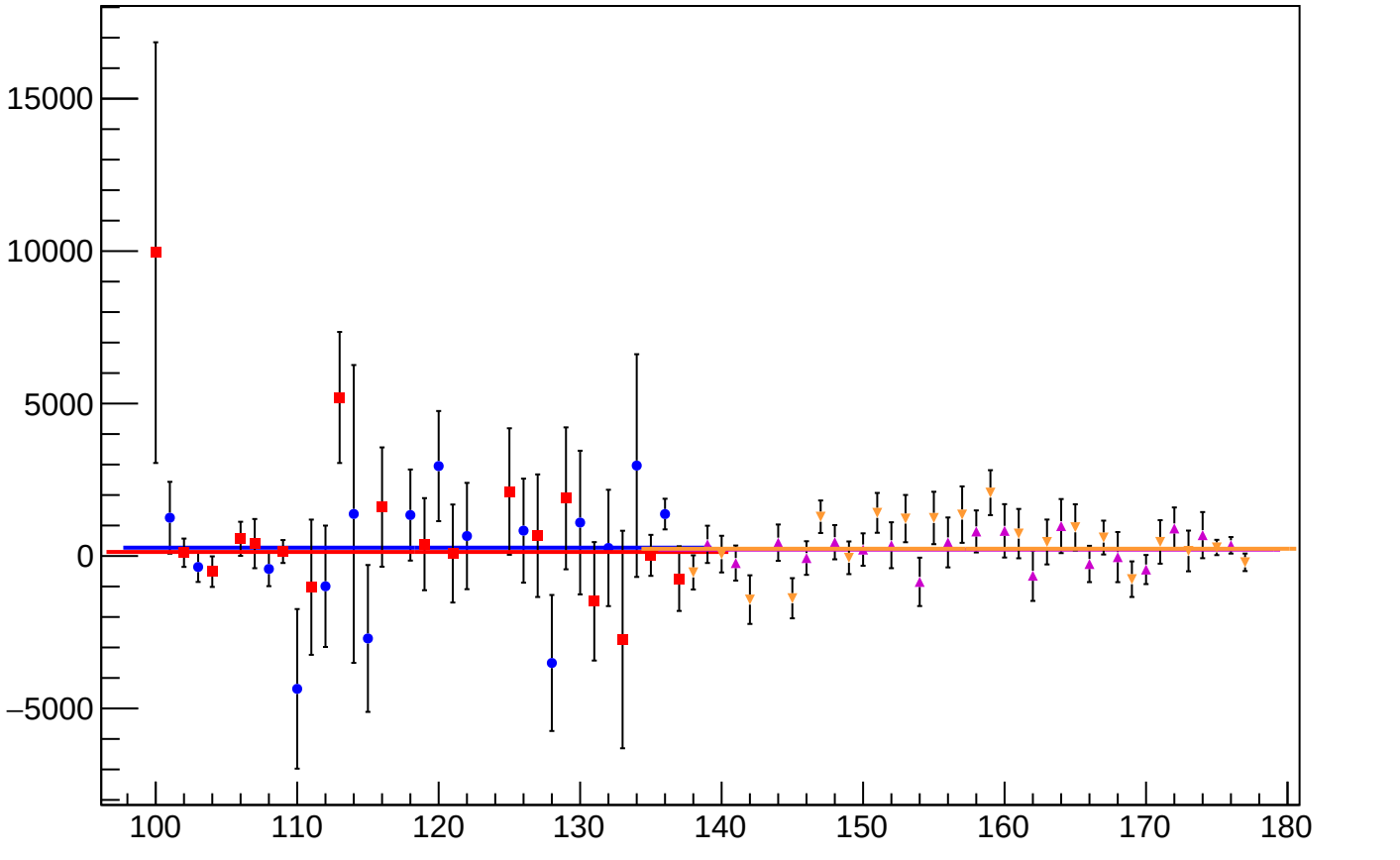
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.759+/-0.284 χ^2/NDF:94834.7/18

+ sign 1541.118+/-0.229 χ^2/NDF: 670271.2/35

All: 1535.802+/-0.162 χ^2/NDF: 1190757.4/72

- sign 1530.471+/-0.229 χ^2/NDF: 519402.5/36



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 238.355+/-120.662 χ^2/NDF:37.8/19

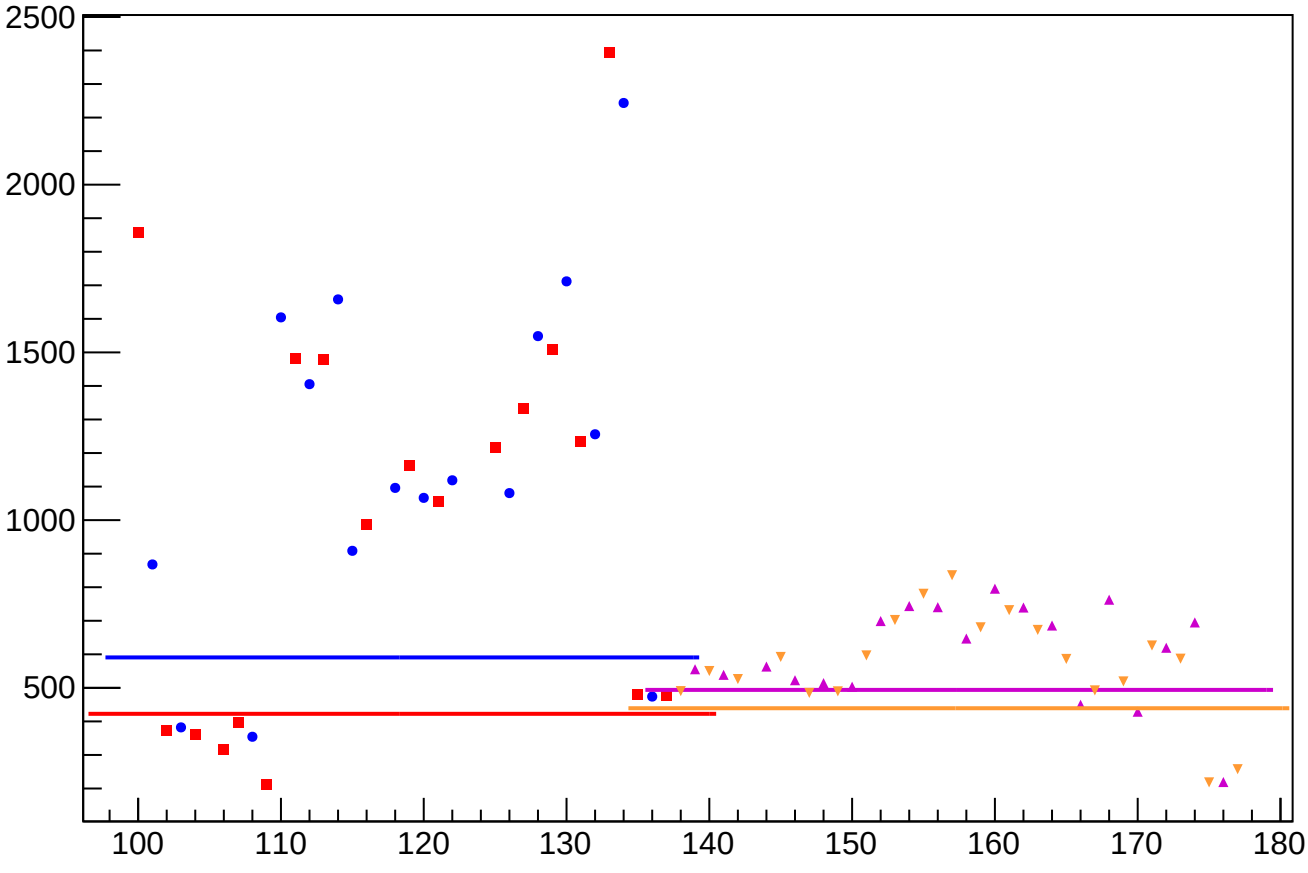
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 209.667+/-134.031 χ^2/NDF:10.5/18

+ sign 244.551+/-109.490 χ^2/NDF: 58.0/35

All: 215.128+/-77.819 χ^2/NDF: 83.2/72

- sign 185.091+/-110.624 χ^2/NDF: 25.0/36



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 439.288+/-0.085 χ^2/NDF:4670931.3/19

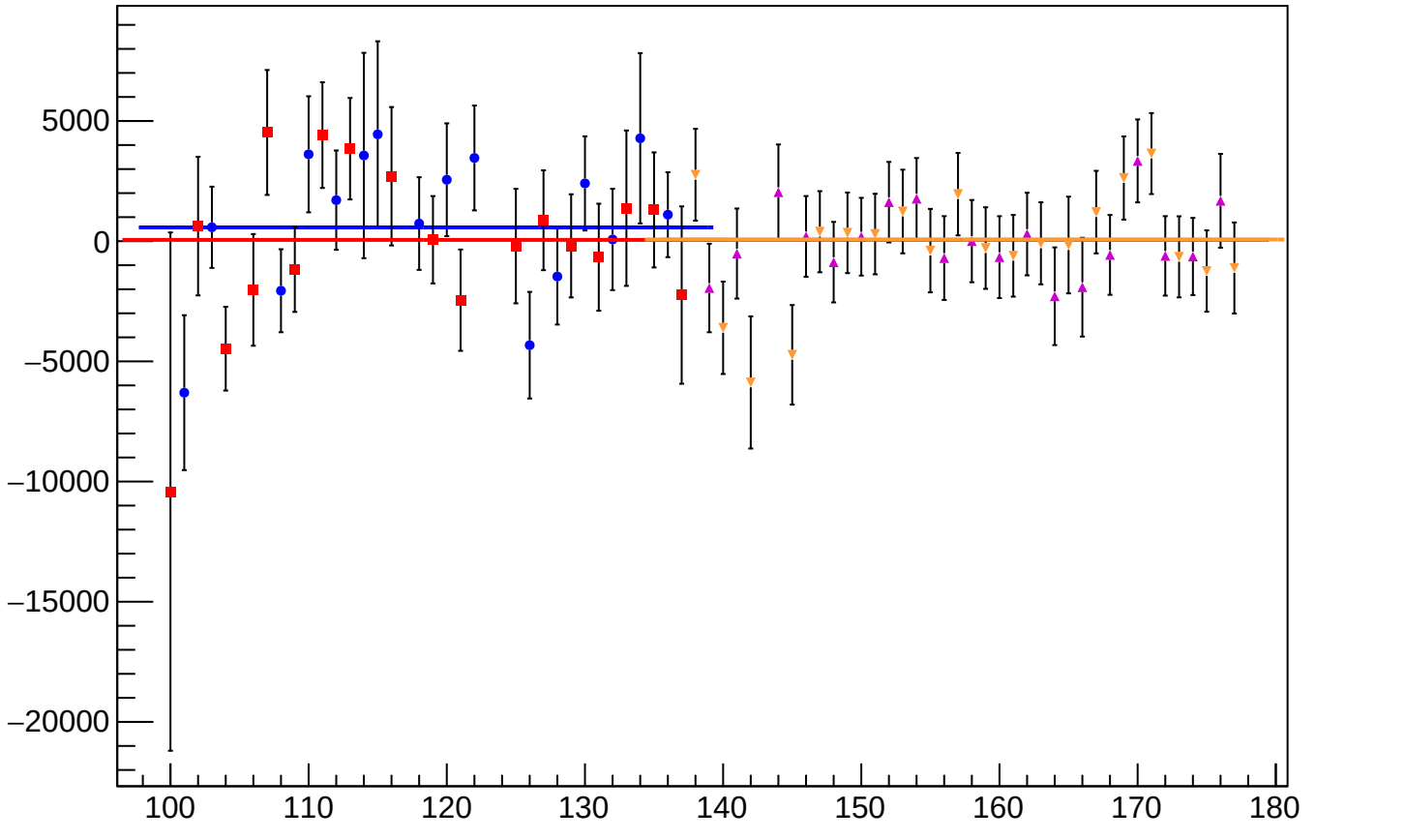
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 493.957+/-0.095 χ^2/NDF:3727093.0/18

+ sign 466.037+/-0.077 χ^2/NDF: 9112979.8/35

All: 468.601+/-0.055 χ^2/NDF: 17880866.2/72

- sign 471.219+/-0.078 χ^2/NDF: 8765669.2/36



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 69.260+/-399.562 χ^2/NDF:26.0/19

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

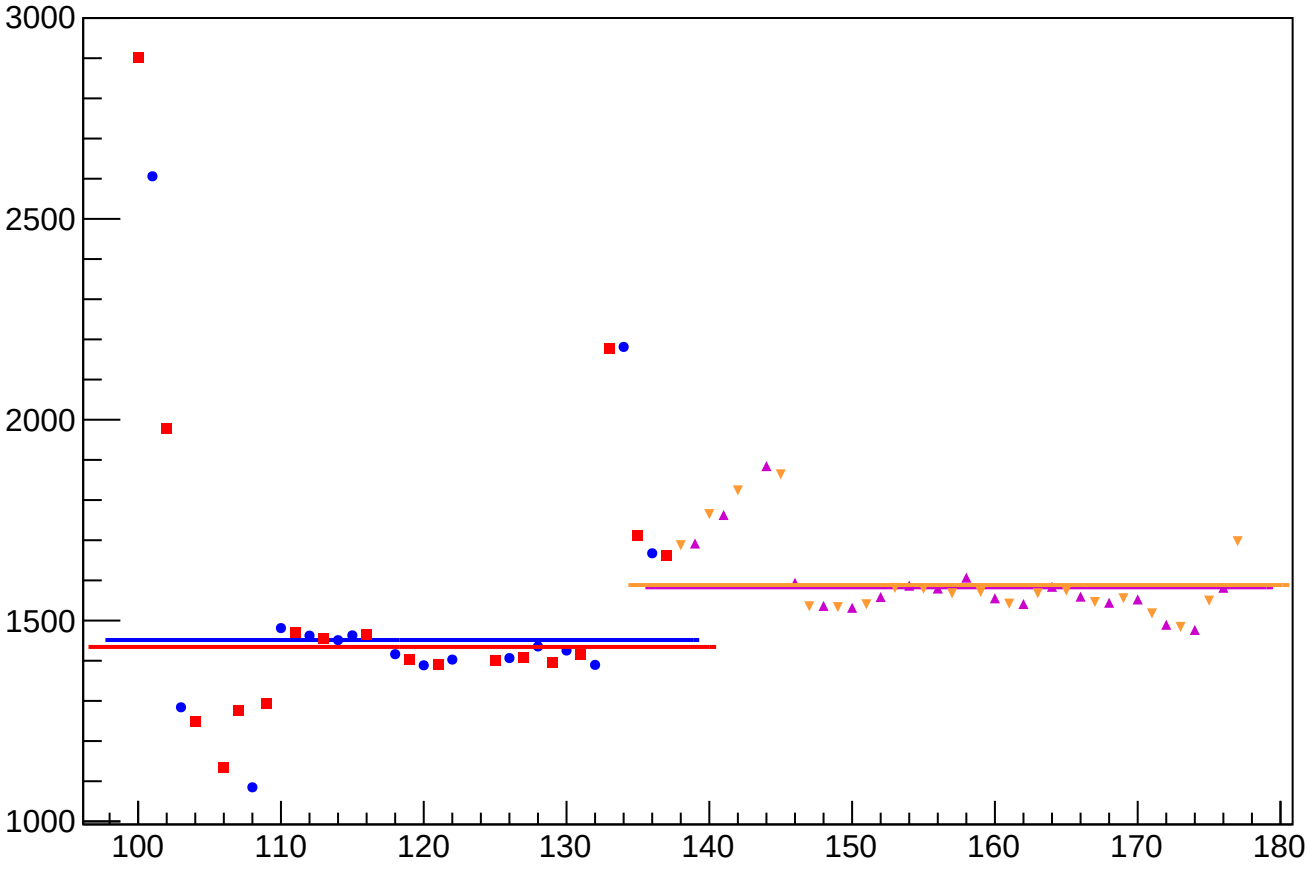
Left In: 55.407+/-402.164 χ^2/NDF:11.9/18

+ sign 243.182+/-323.189 χ^2/NDF: 47.4/35

All: 149.144+/-228.700 χ^2/NDF: 82.0/72

- sign 54.824+/-323.672 χ^2/NDF: 34.5/36

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1588.436+/-0.283 χ^2/NDF:101310.4/19

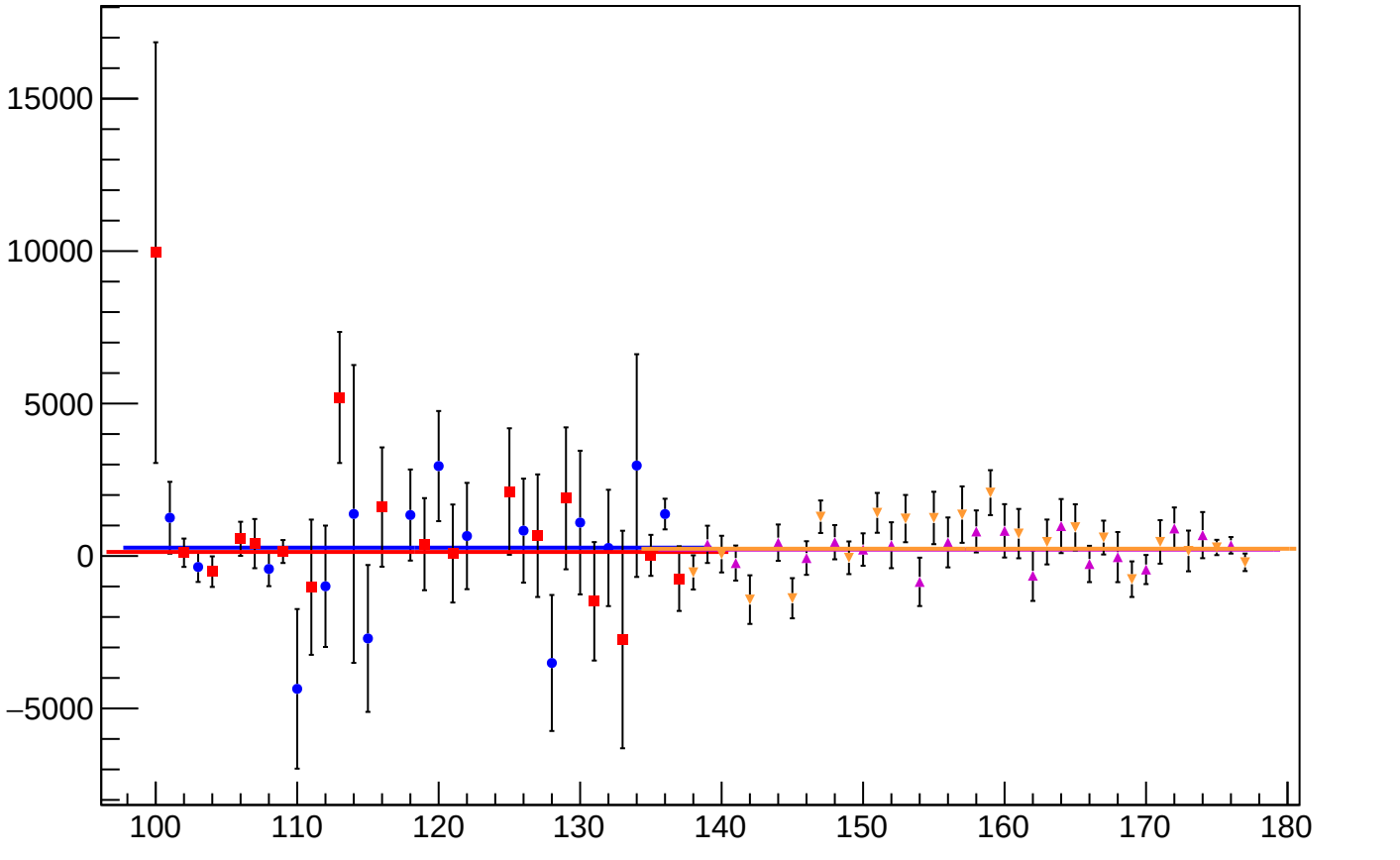
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.759+/-0.284 χ^2/NDF:94835.4/18

+ sign 1541.118+/-0.229 χ^2/NDF: 670271.7/35

All: 1535.802+/-0.162 χ^2/NDF: 1190758.6/72

- sign 1530.471+/-0.229 χ^2/NDF: 519403.2/36



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 238.361+/-120.662 χ^2/NDF:37.8/19

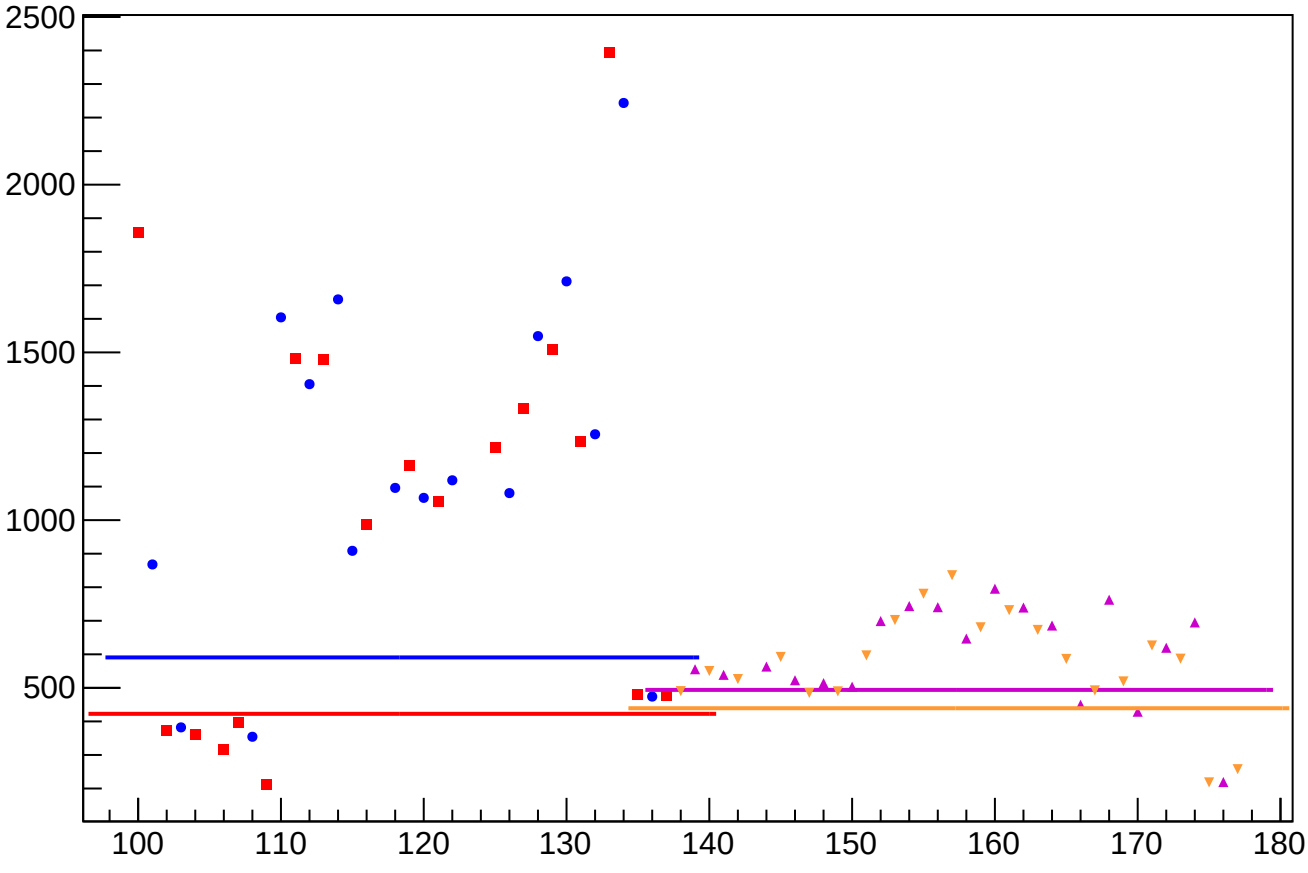
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 209.667+/-134.031 χ^2/NDF:10.5/18

\+ sign 244.555+/-109.490 χ^2/NDF: 58.1/35

All: 215.129+/-77.819 χ^2/NDF: 83.2/72

\- sign 185.090+/-110.625 χ^2/NDF: 25.0/36



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 439.292+/-0.085 χ^2/NDF:4670800.8/19

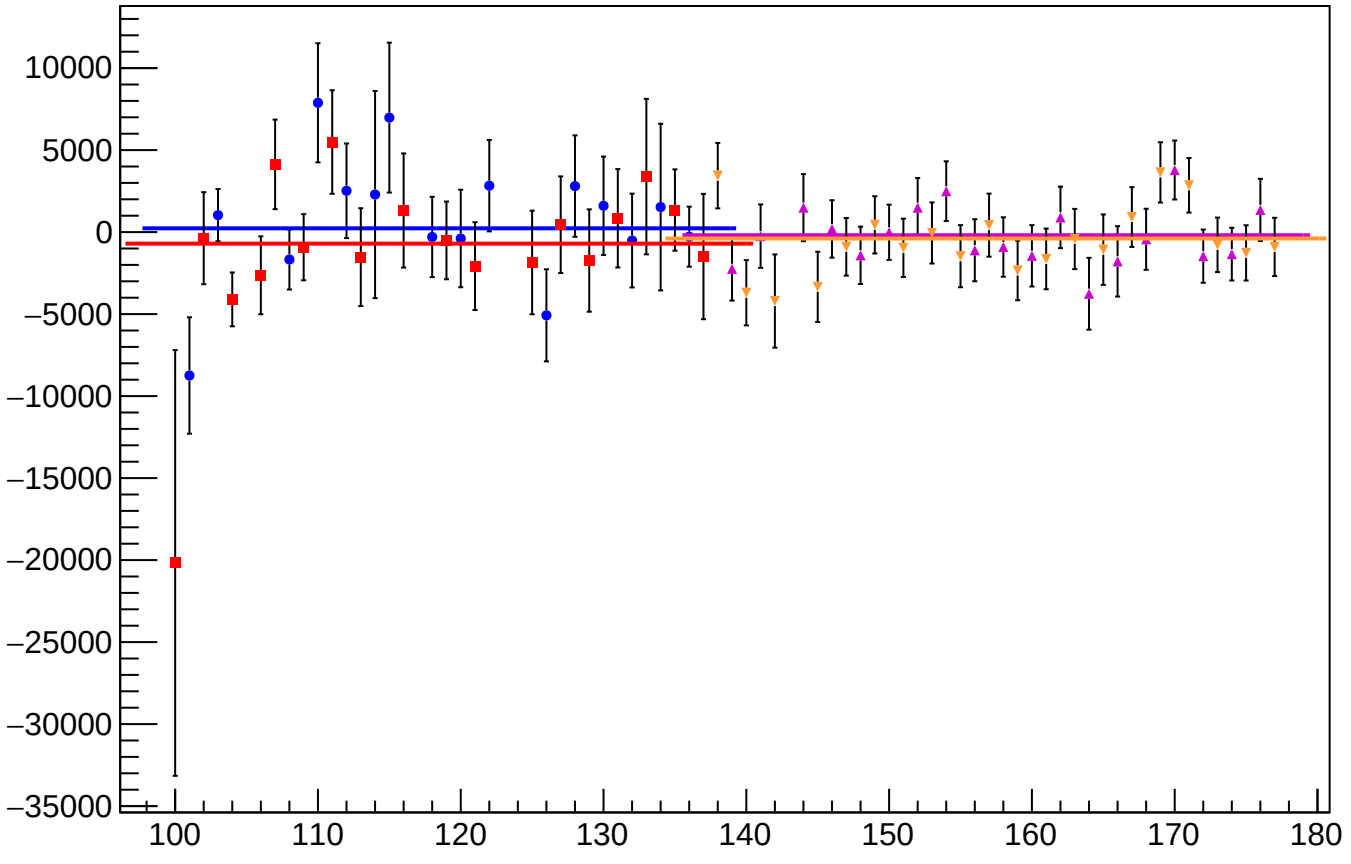
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 493.959+/-0.095 χ^2/NDF:3727004.2/18

+ sign 466.040+/-0.077 χ^2/NDF: 9112833.6/35

All: 468.605+/-0.055 χ^2/NDF: 17880531.5/72

- sign 471.223+/-0.078 χ^2/NDF: 8765480.7/36



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -390.074+/-416.956 χ^2/NDF:22.3/19

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

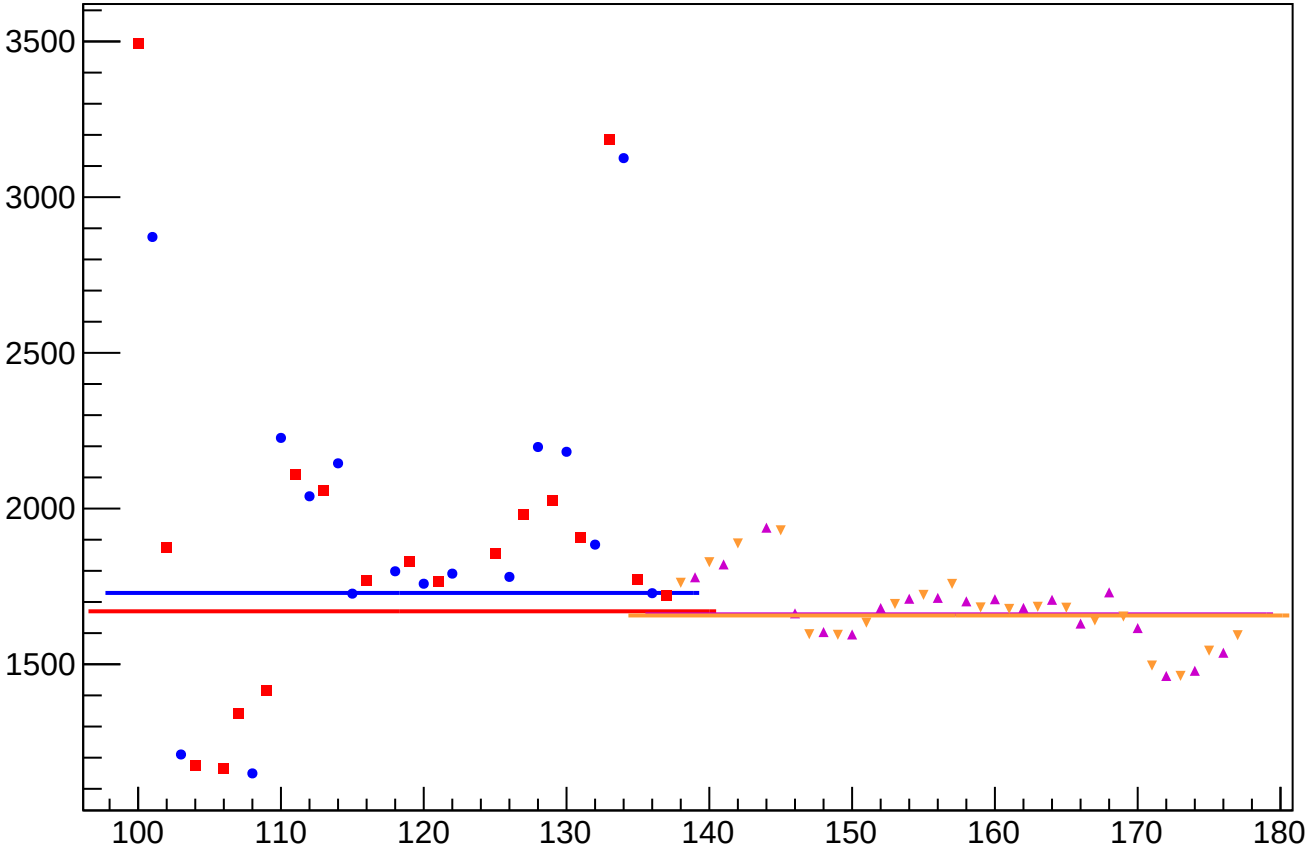
Left In: -190.810+/-422.169 χ^2/NDF:16.5/18

\+ sign -215.347+/-353.446 χ^2/NDF: 43.7/35

All: -279.167+/-250.040 χ^2/NDF: 77.7/72

\- sign -343.106+/-353.775 χ^2/NDF: 33.9/36

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1656.706+/-0.295 χ^2/NDF:139189.0/19

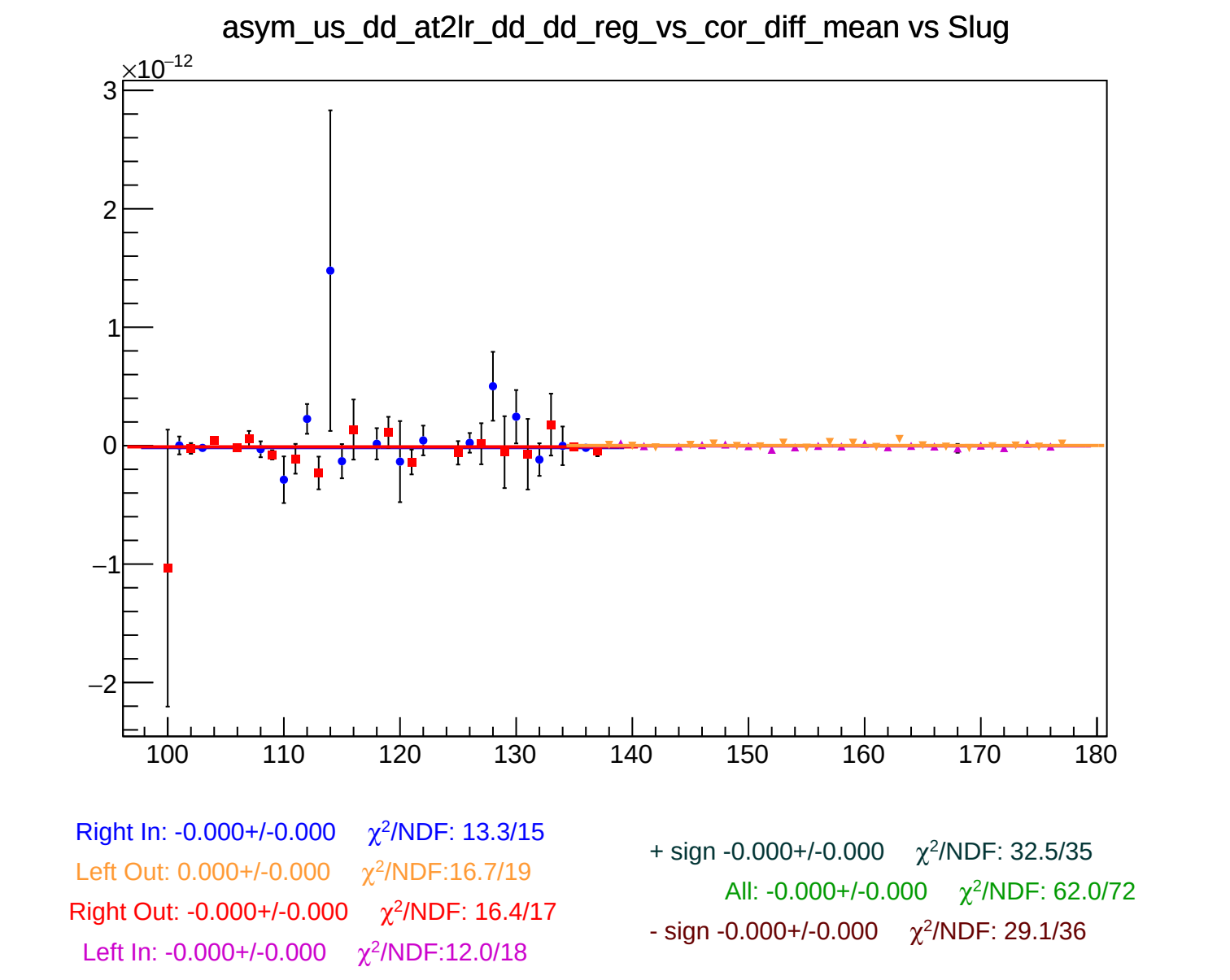
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

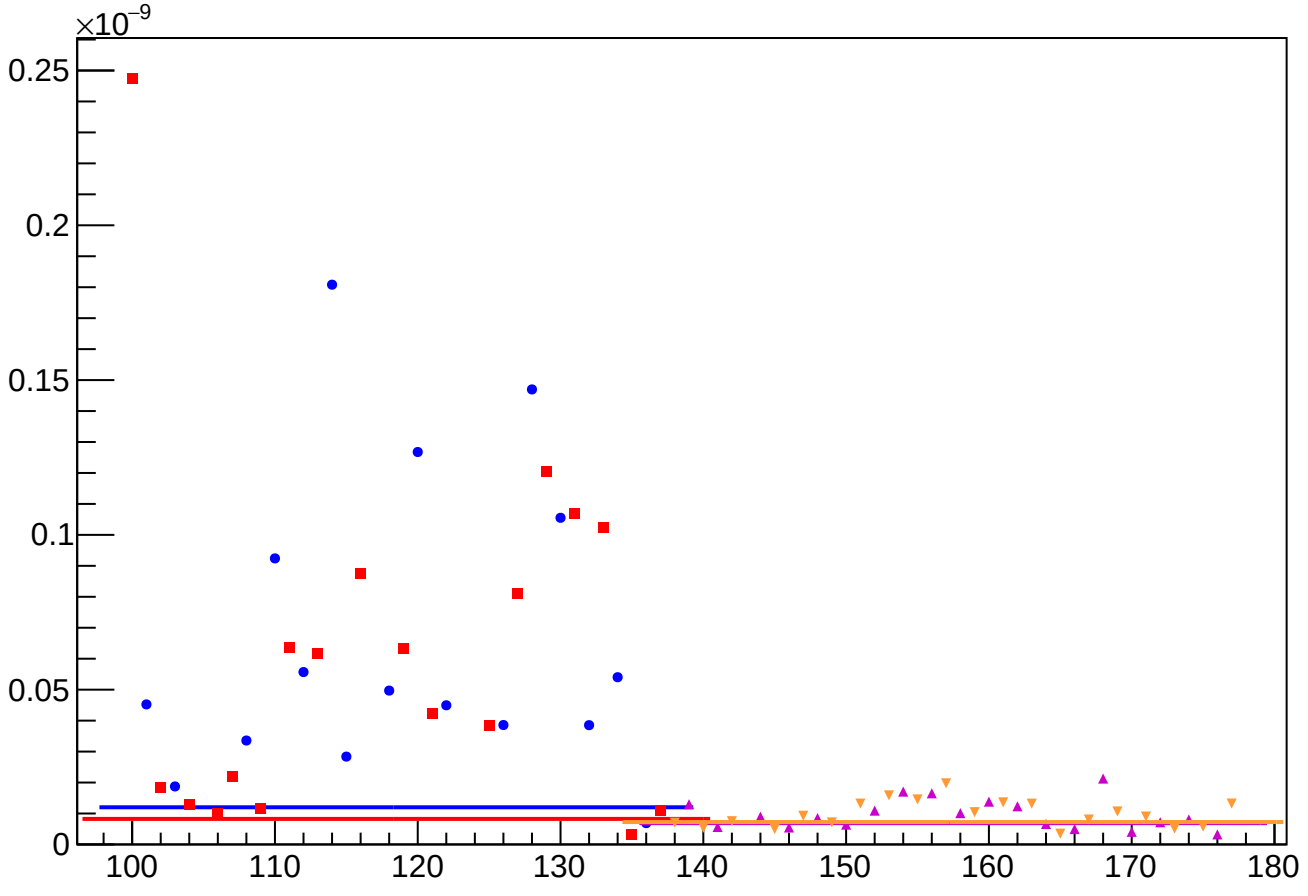
Left In: 1660.326+/-0.299 χ^2/NDF:138490.1/18

+ sign 1677.066+/-0.250 χ^2/NDF: 1098212.9/35

All: 1670.151+/-0.177 χ^2/NDF: 1983003.9/72

- sign 1663.223+/-0.250 χ^2/NDF: 883258.5/36


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:16.7/19
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:12.0/18
+ sign -0.000+/-0.000 χ²/NDF: 32.5/35
All: -0.000+/-0.000 χ²/NDF: 62.0/72
- sign -0.000+/-0.000 χ²/NDF: 29.1/36



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2043347.4/19

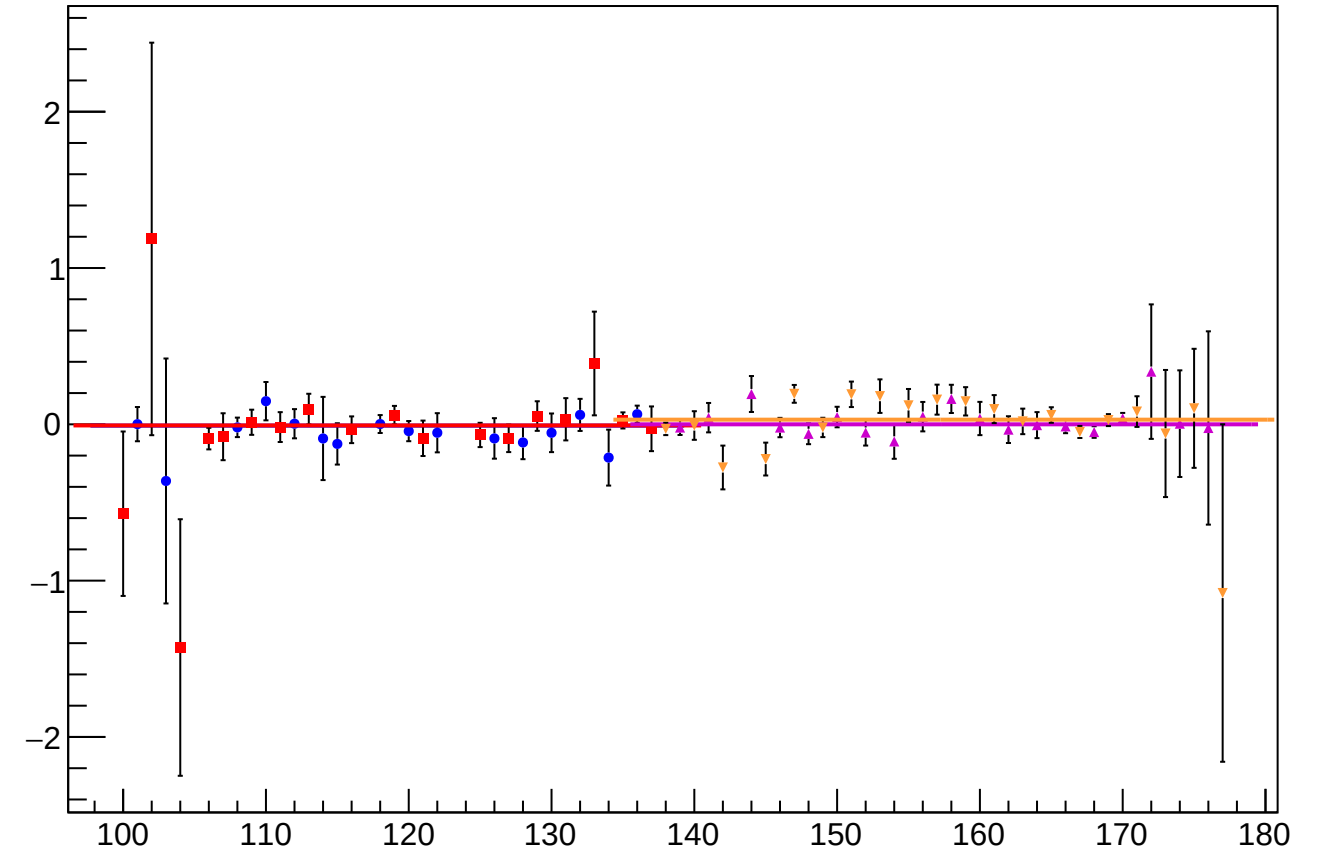
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2269464.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 5863407.9/35

All: 0.000+/-0.000 χ^2/NDF: 11730801.7/72

- sign 0.000+/-0.000 χ^2/NDF: 5823953.0/36



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.6/19

Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

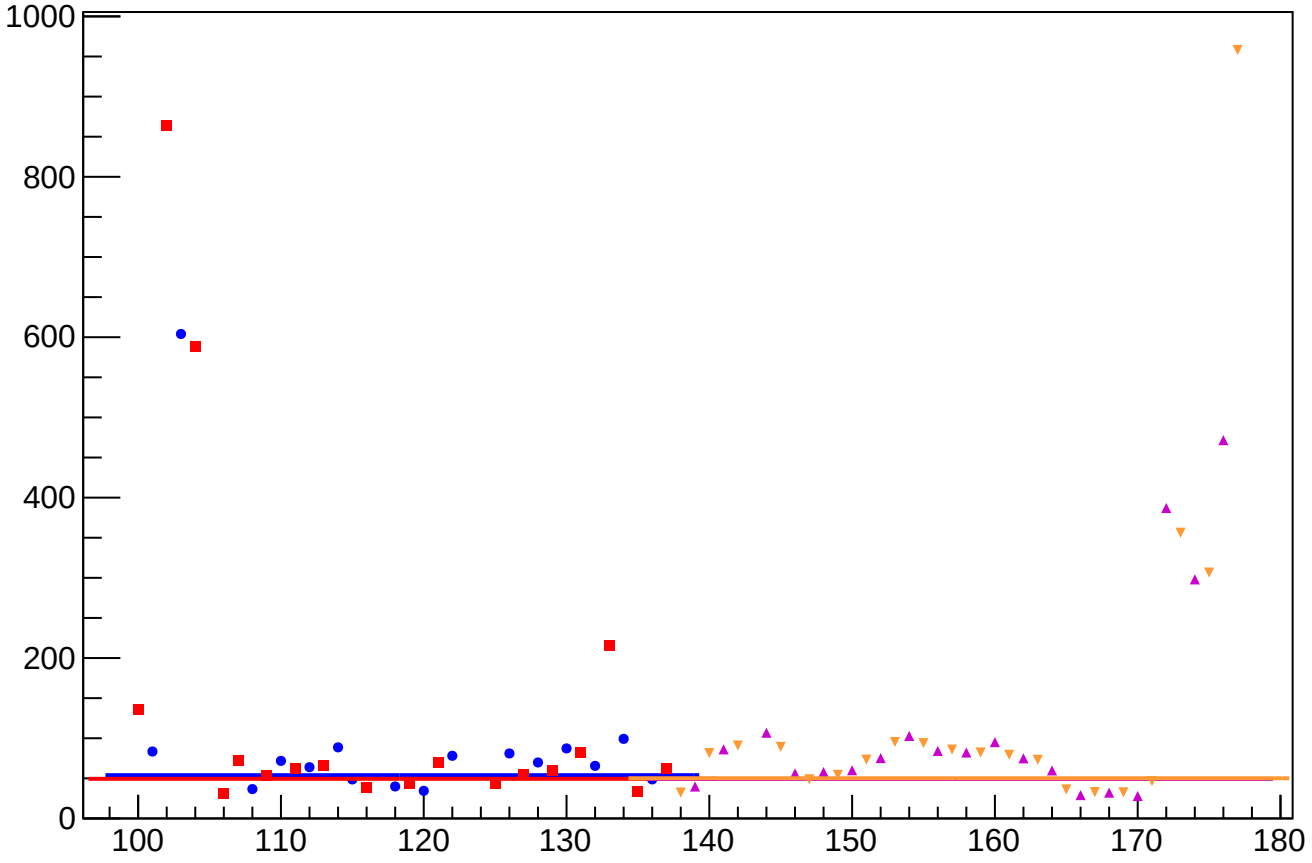
Left In: 0.000+/-0.015 χ^2/NDF:13.6/18

+ sign 0.018+/-0.013 χ^2/NDF: 48.8/35

All: 0.008+/-0.009 χ^2/NDF: 77.4/72

- sign -0.002+/-0.013 χ^2/NDF: 27.3/36

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.105+/-0.011 χ^2/NDF:7293942.6/19

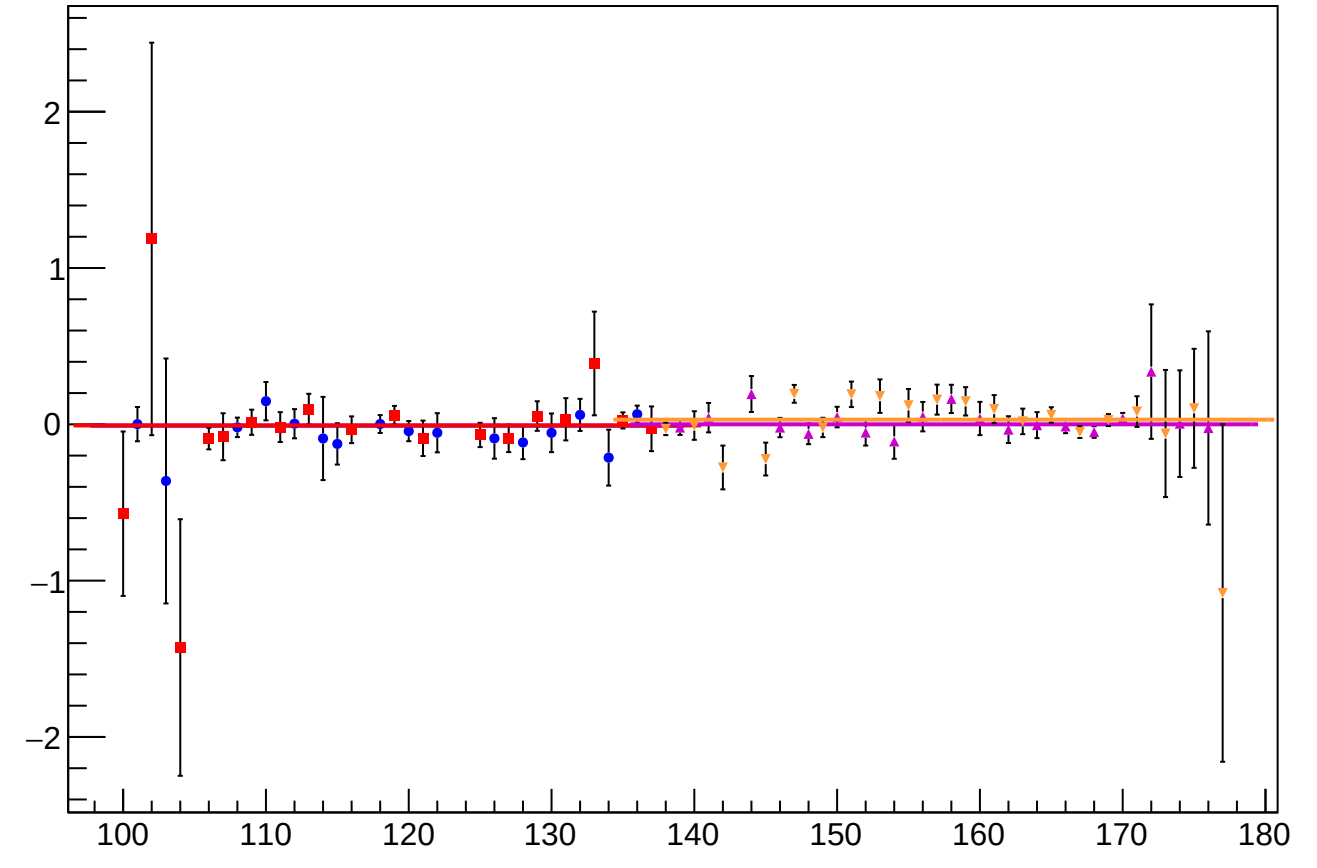
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.290+/-0.011 χ^2/NDF:7628171.4/18

+ sign 51.289+/-0.009 χ^2/NDF: 9546032.3/35

All: 50.289+/-0.006 χ^2/NDF: 20215622.7/72

- sign 49.332+/-0.009 χ^2/NDF: 10645936.7/36



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.6/19

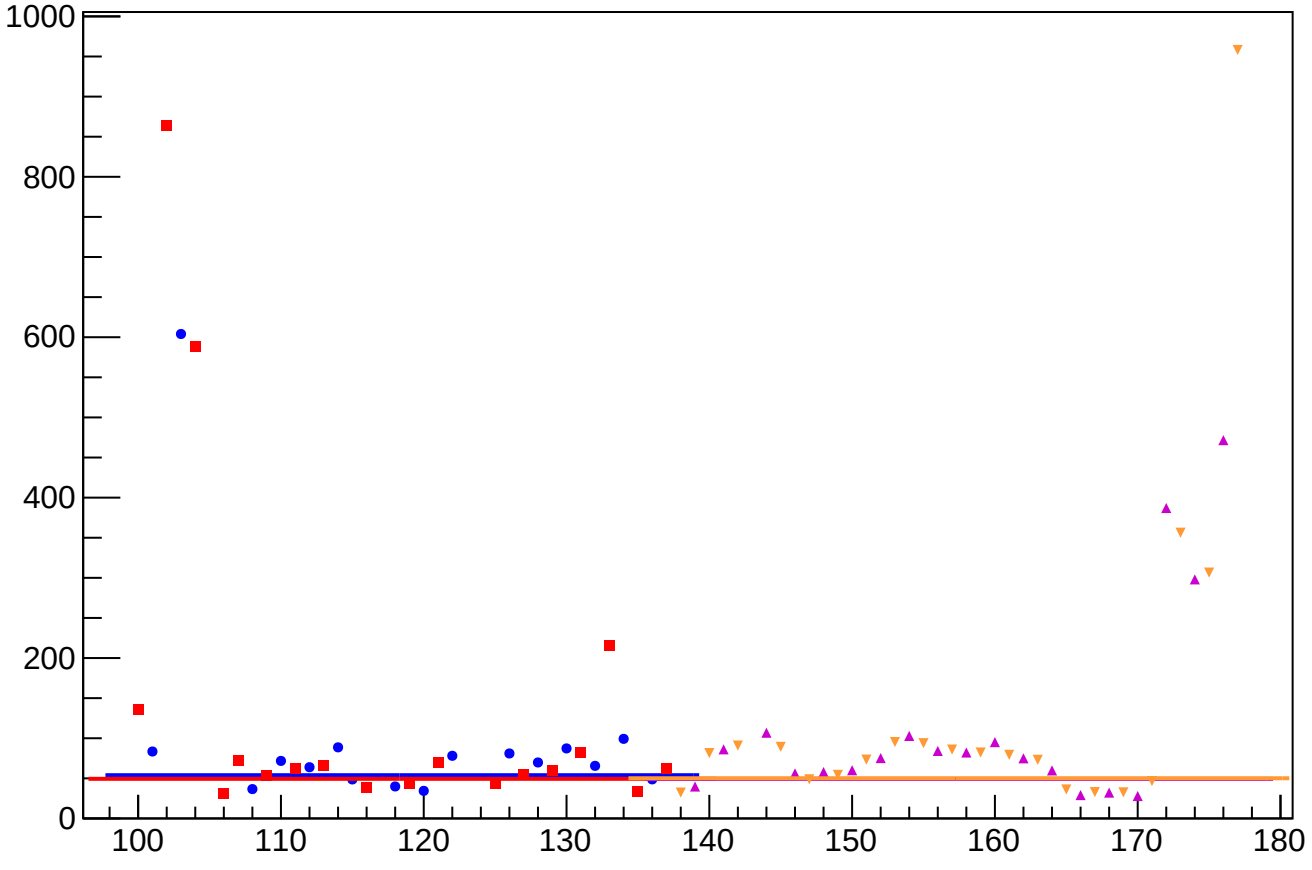
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/18

+ sign 0.018+/-0.013 χ^2/NDF: 48.8/35

All: 0.008+/-0.009 χ^2/NDF: 77.4/72

- sign -0.002+/-0.013 χ^2/NDF: 27.3/36



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.105+/-0.011 χ^2/NDF:7293942.6/19

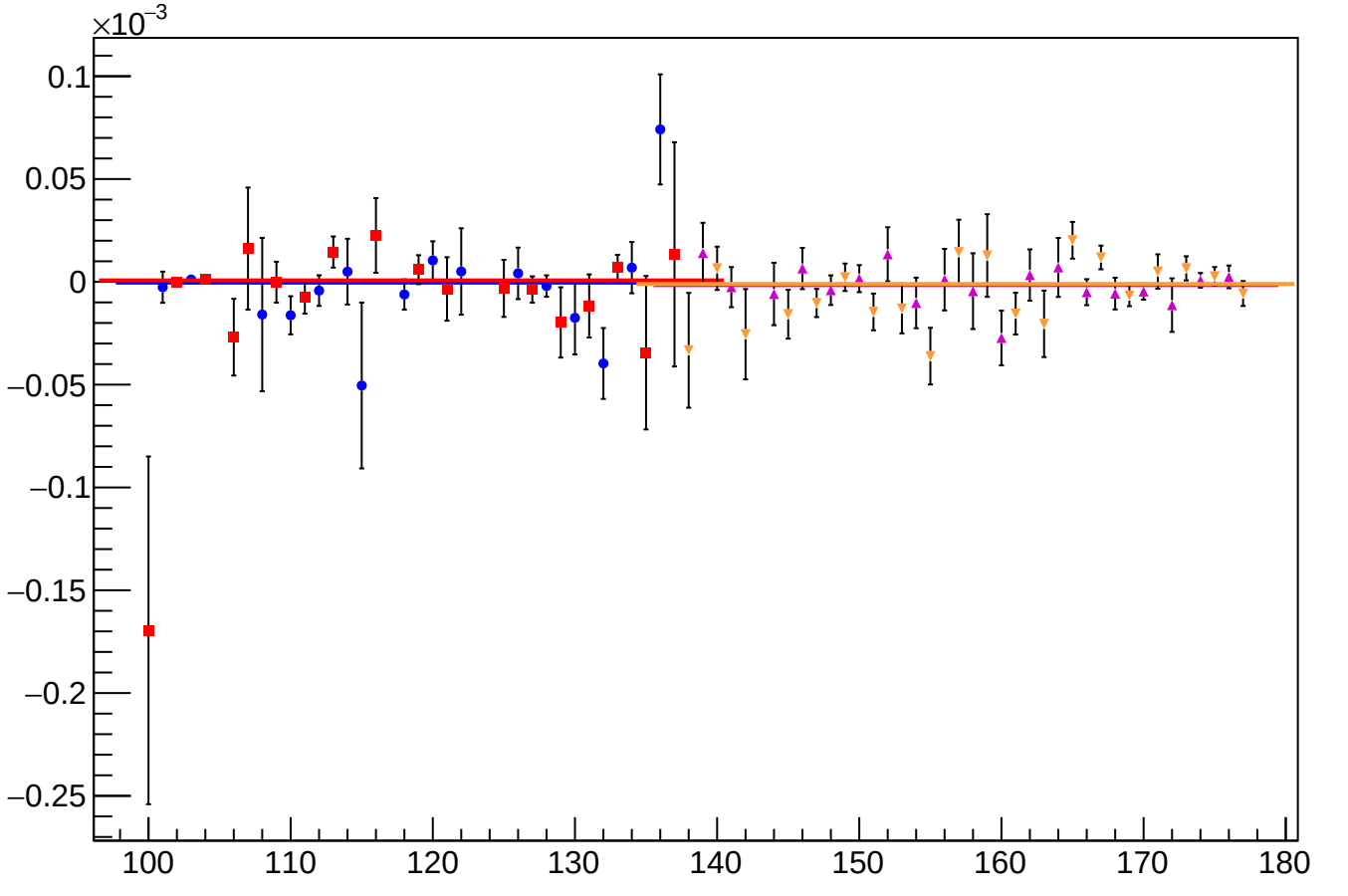
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.290+/-0.011 χ^2/NDF:7628171.4/18

\+ sign 51.289+/-0.009 χ^2/NDF: 9546032.3/35

All: 50.289+/-0.006 χ^2/NDF: 20215622.7/72

\- sign 49.332+/-0.009 χ^2/NDF: 10645936.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.7/19

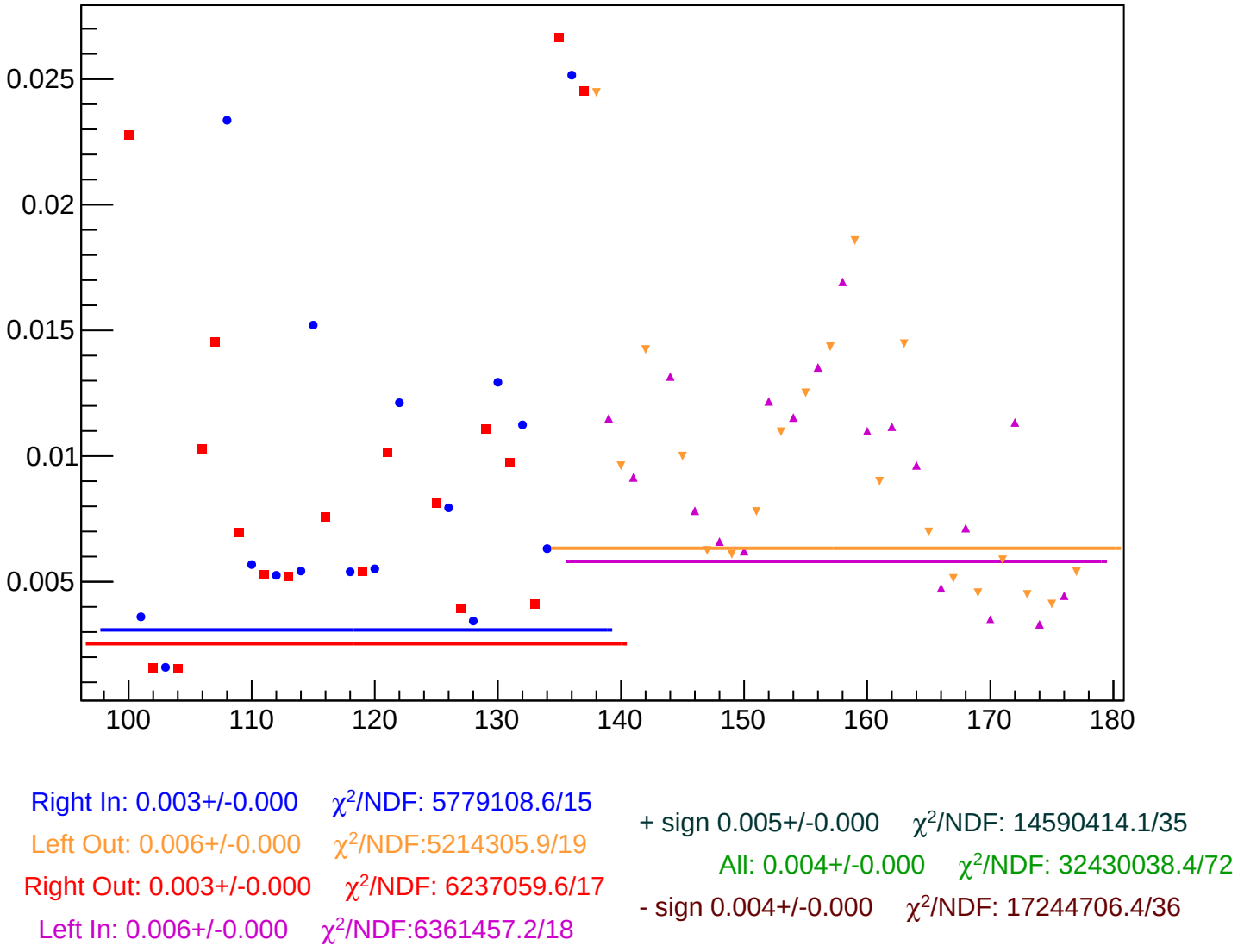
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

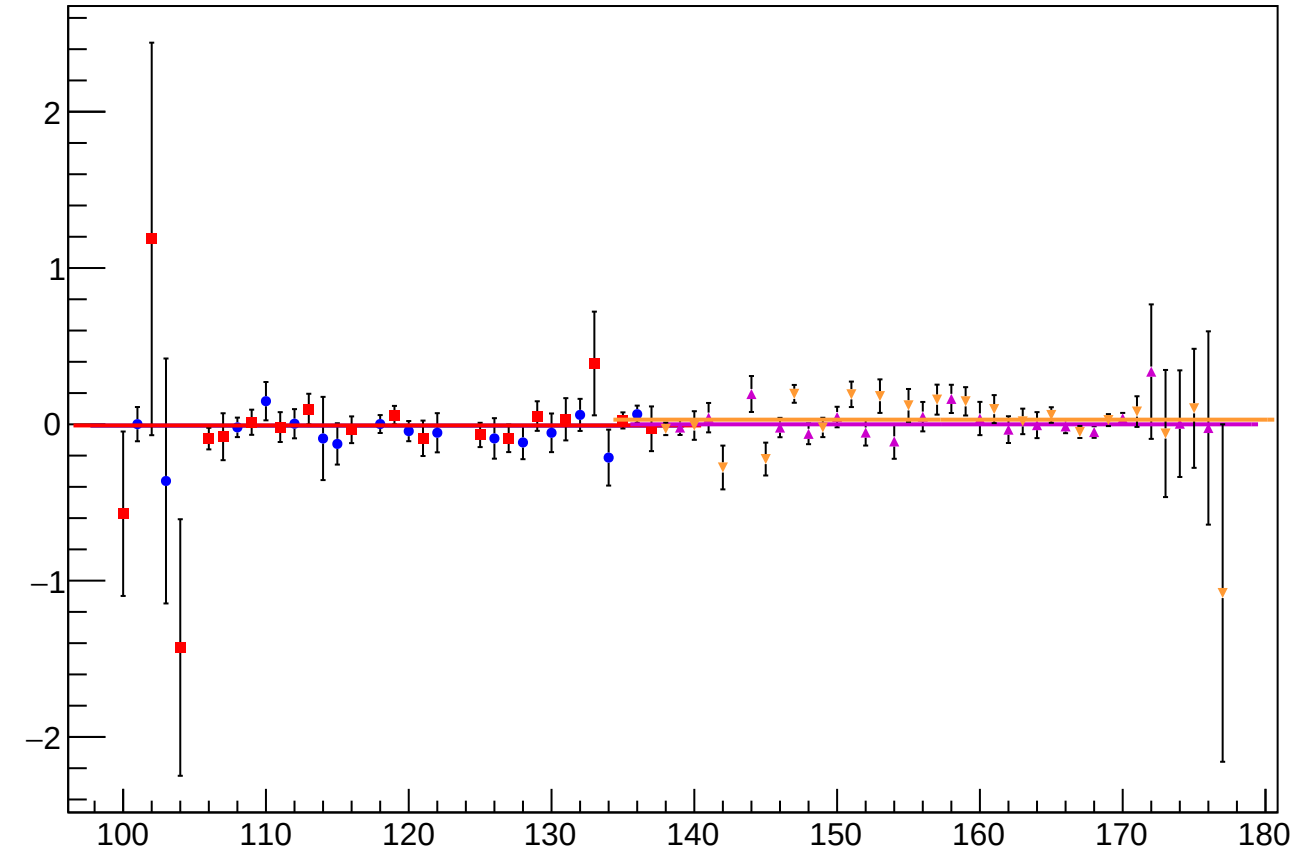
Left In: -0.000+/-0.000 χ^2/NDF:11.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/35

All: -0.000+/-0.000 χ^2/NDF: 89.1/72

- sign -0.000+/-0.000 χ^2/NDF: 30.0/36


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:5214305.9/19
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.006+/-0.000 χ²/NDF:6361457.2/18
+ sign 0.005+/-0.000 χ²/NDF: 14590414.1/35
All: 0.004+/-0.000 χ²/NDF: 32430038.4/72
- sign 0.004+/-0.000 χ²/NDF: 17244706.4/36



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.6/19

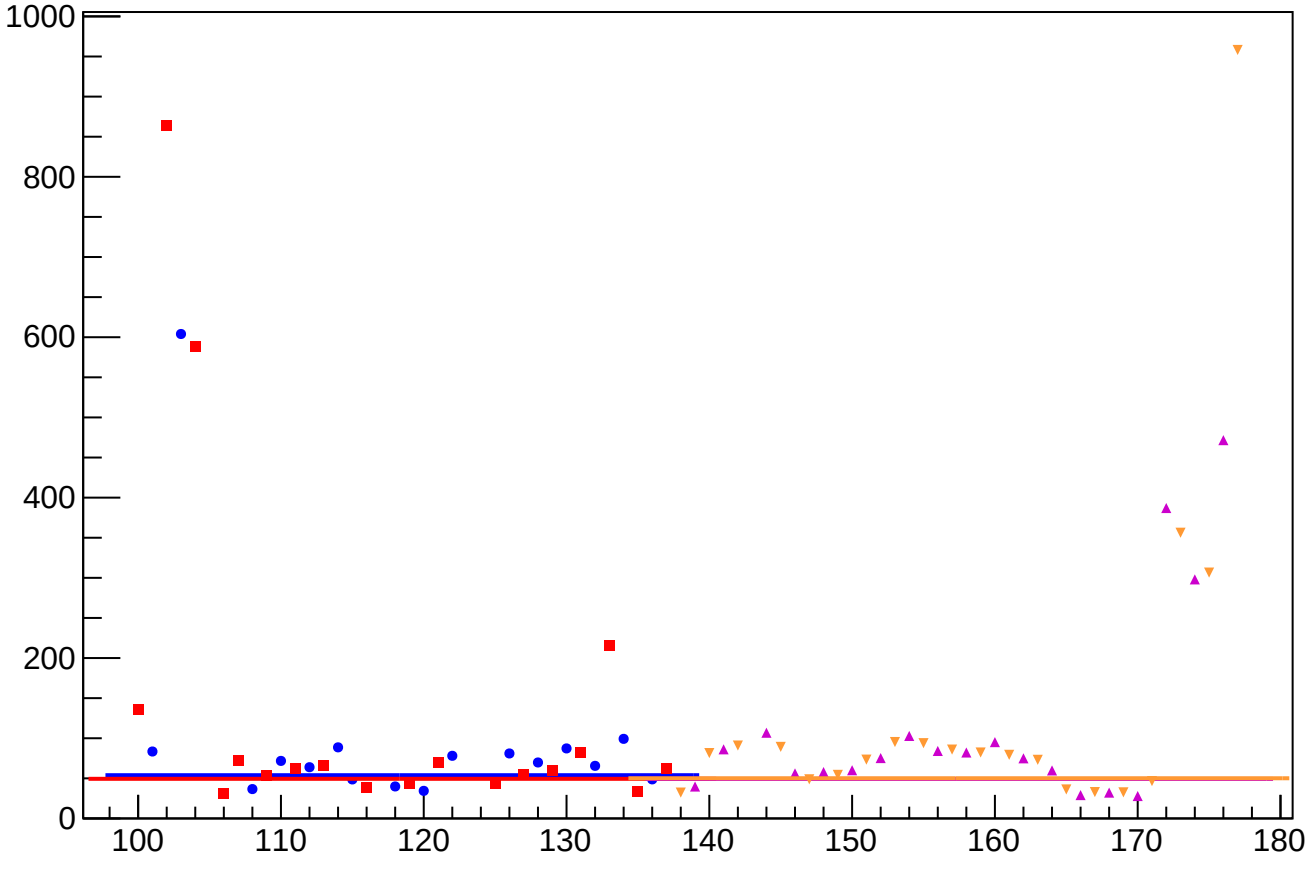
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/18

+ sign 0.018+/-0.013 χ^2/NDF: 48.8/35

All: 0.008+/-0.009 χ^2/NDF: 77.4/72

- sign -0.002+/-0.013 χ^2/NDF: 27.3/36



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.107+/-0.011 χ^2/NDF:7293150.0/19

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

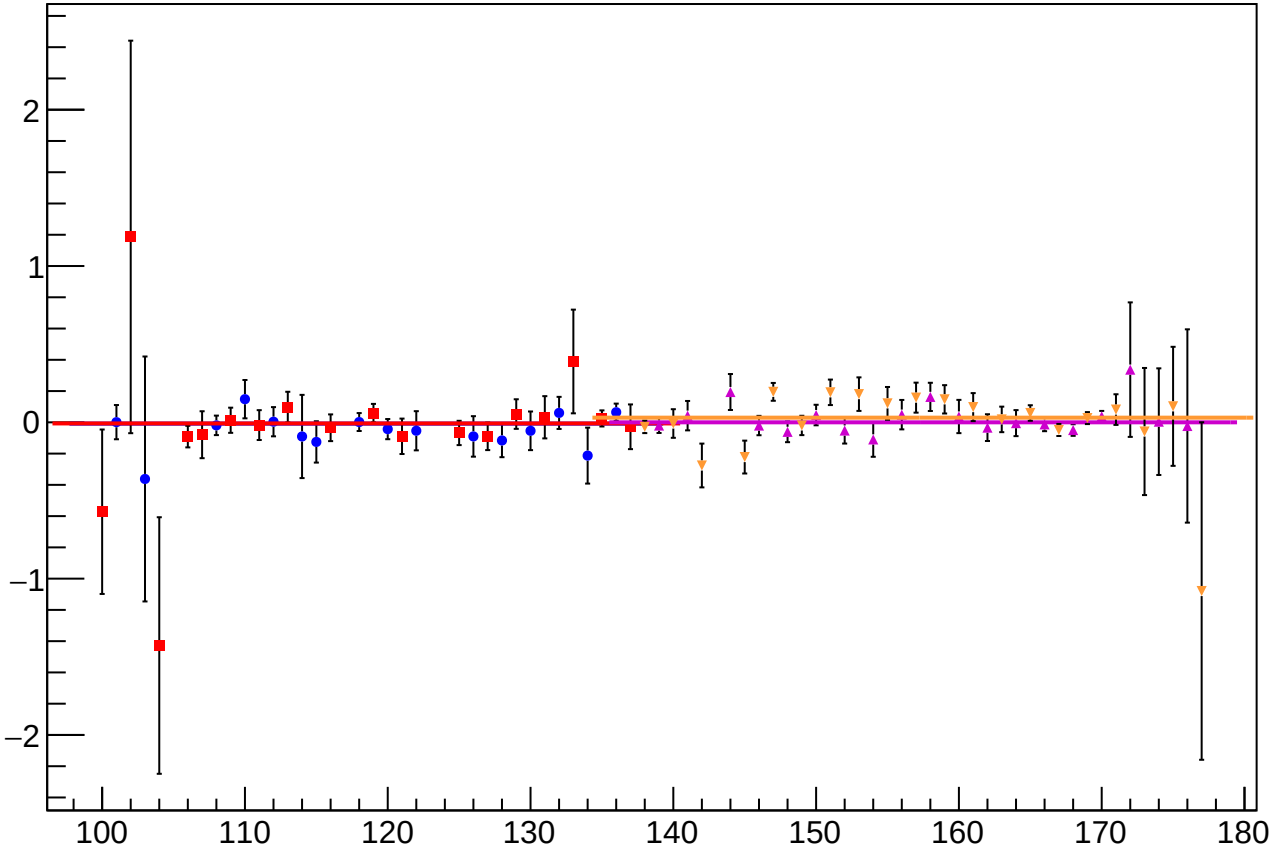
Left In: 49.290+/-0.011 χ^2/NDF:7628108.9/18

\+ sign 51.292+/-0.009 χ^2/NDF: 9544857.7/35

All: 50.291+/-0.006 χ^2/NDF: 20214154.4/72

\- sign 49.332+/-0.009 χ^2/NDF: 10645596.7/36

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.6/19

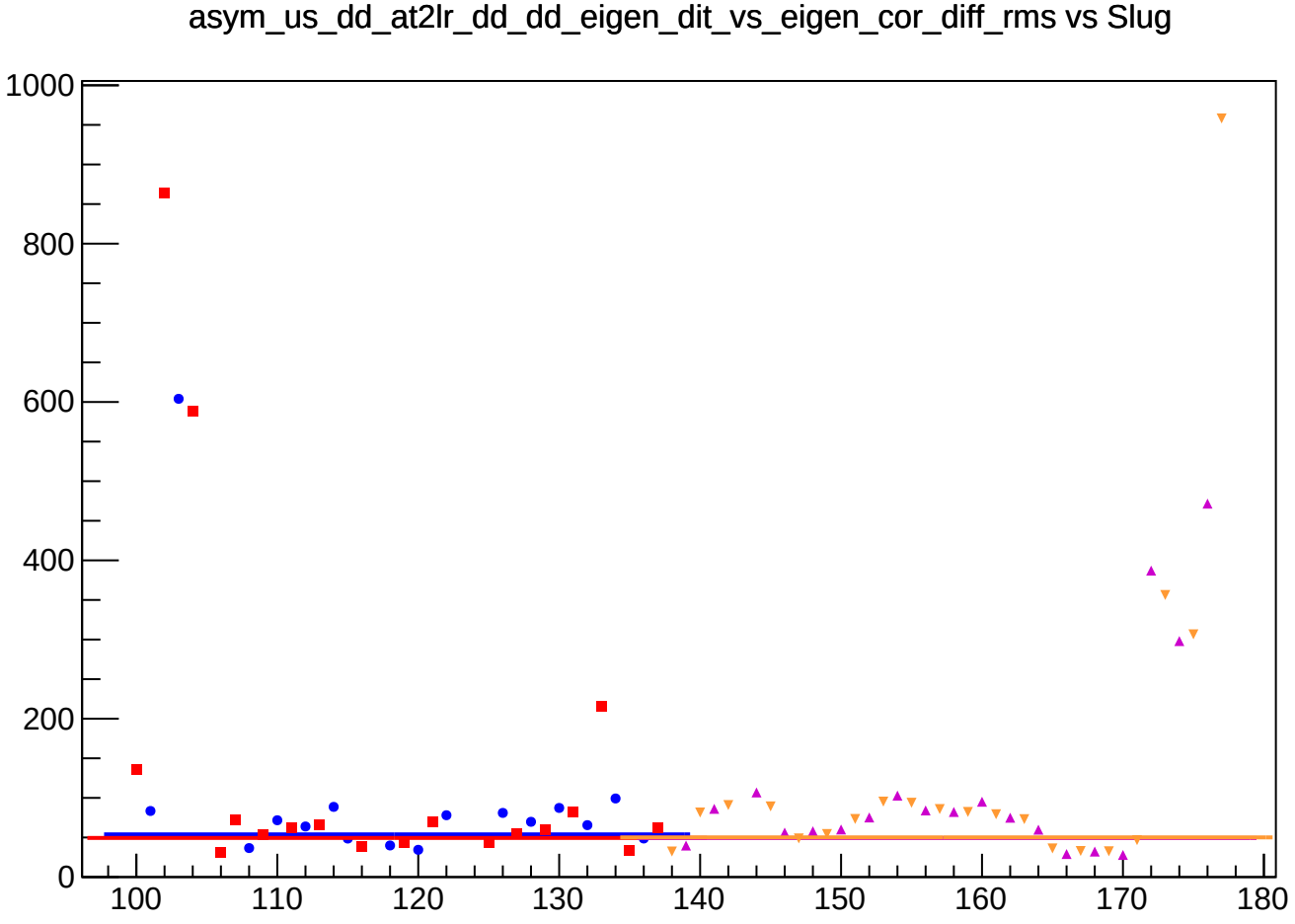
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.6/18

+ sign 0.018+/-0.013 χ^2/NDF: 48.8/35

All: 0.008+/-0.009 χ^2/NDF: 77.4/72

- sign -0.002+/-0.013 χ^2/NDF: 27.3/36



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.107+/-0.011 χ^2/NDF:7293150.0/19

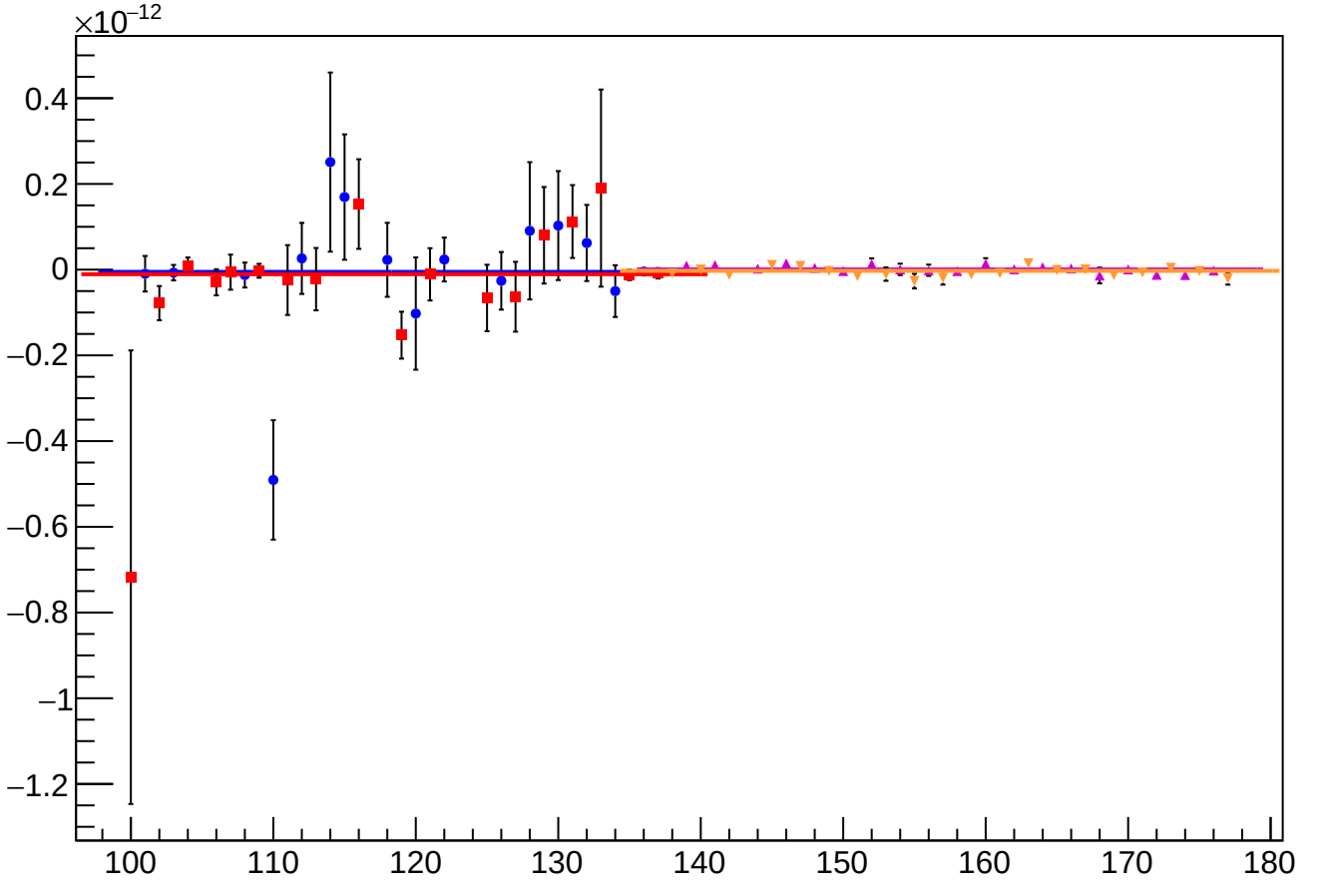
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.290+/-0.011 χ^2/NDF:7628108.9/18

+ sign 51.292+/-0.009 χ^2/NDF: 9544857.7/35

All: 50.291+/-0.006 χ^2/NDF: 20214154.4/72

- sign 49.332+/-0.009 χ^2/NDF: 10645596.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.3/19

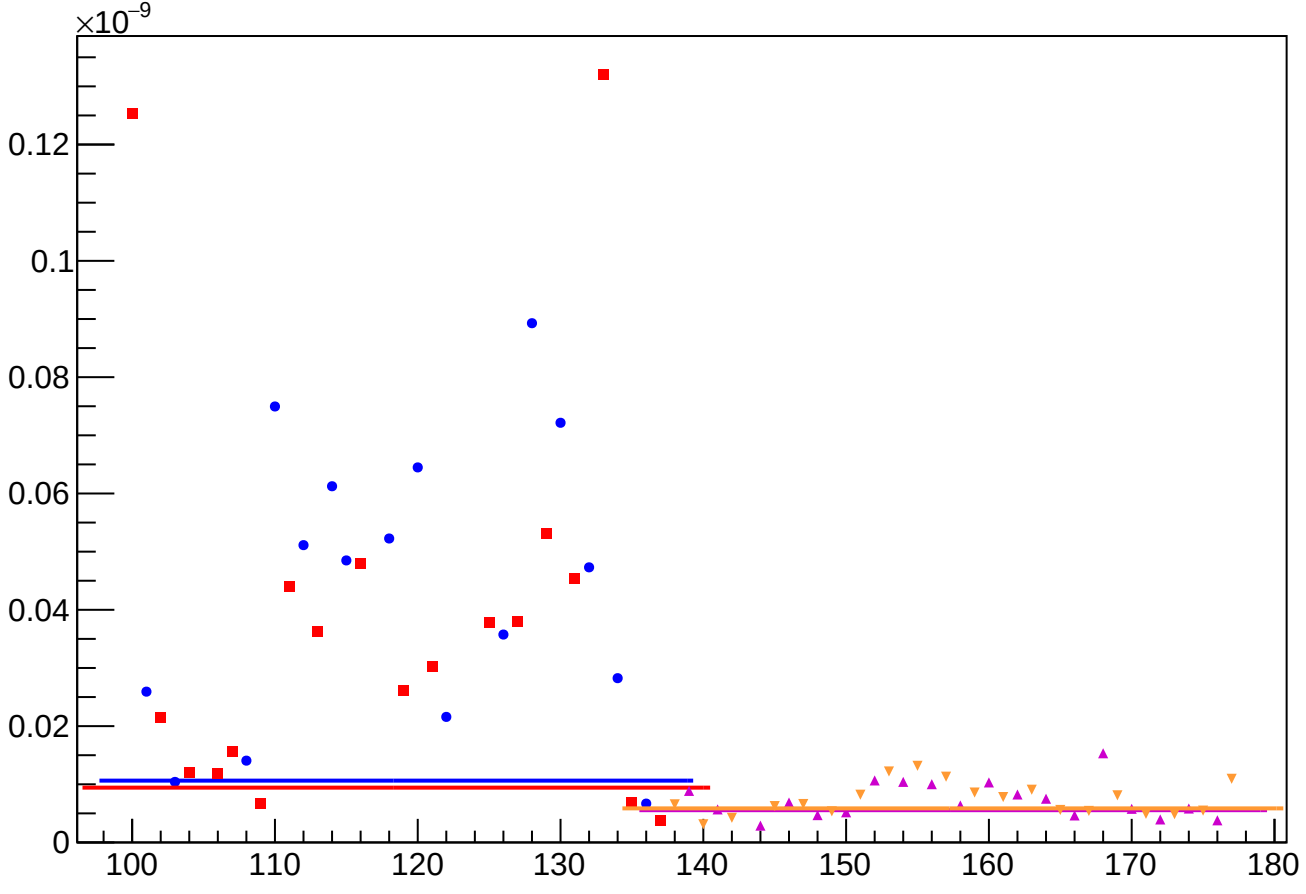
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:17.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/35

All: -0.000+/-0.000 χ^2/NDF: 77.9/72

- sign -0.000+/-0.000 χ^2/NDF: 39.9/36



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2642047.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

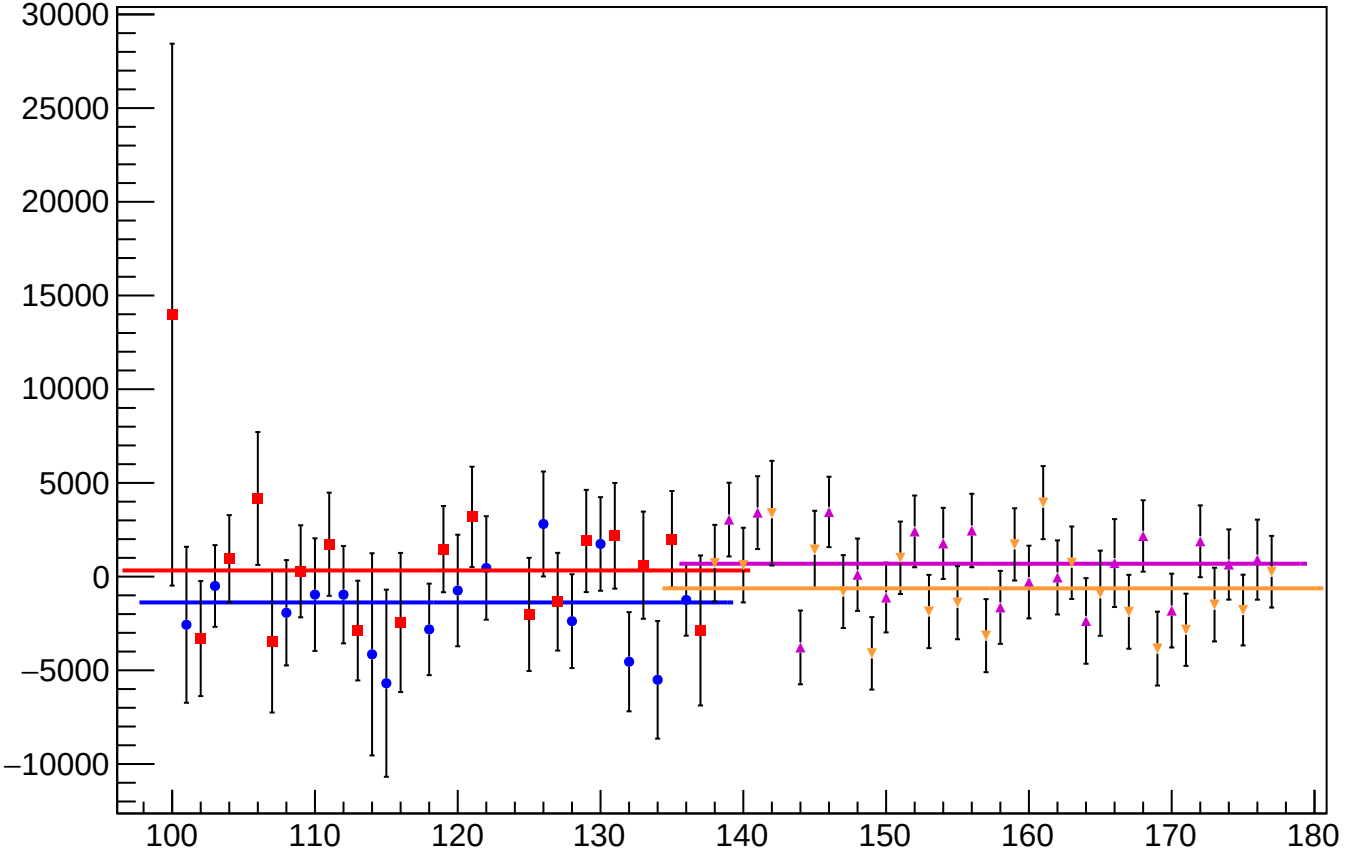
Left In: 0.000+/-0.000 χ^2/NDF:3037985.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 8102869.5/35

All: 0.000+/-0.000 χ^2/NDF: 15876032.3/72

- sign 0.000+/-0.000 χ^2/NDF: 7733272.7/36

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -625.950+/-445.879 χ^2/NDF:22.7/19

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

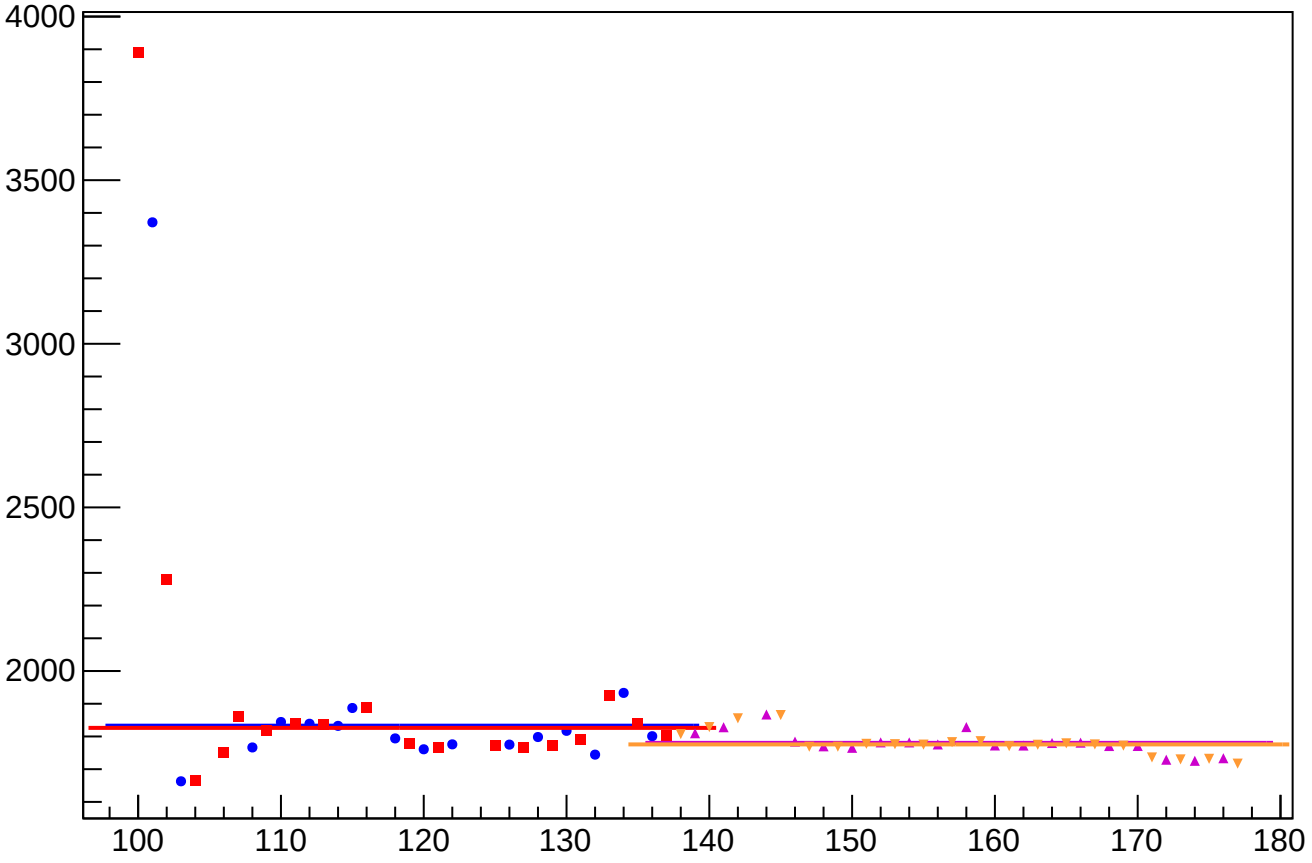
Left In: 687.637+/-451.694 χ^2/NDF:19.9/18

+ sign -848.145+/-374.337 χ^2/NDF: 32.8/35

All: -139.631+/-265.600 χ^2/NDF: 71.2/72

- sign 578.636+/-376.905 χ^2/NDF: 31.2/36

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1775.712+/-0.315 χ^2/NDF:12348.9/19

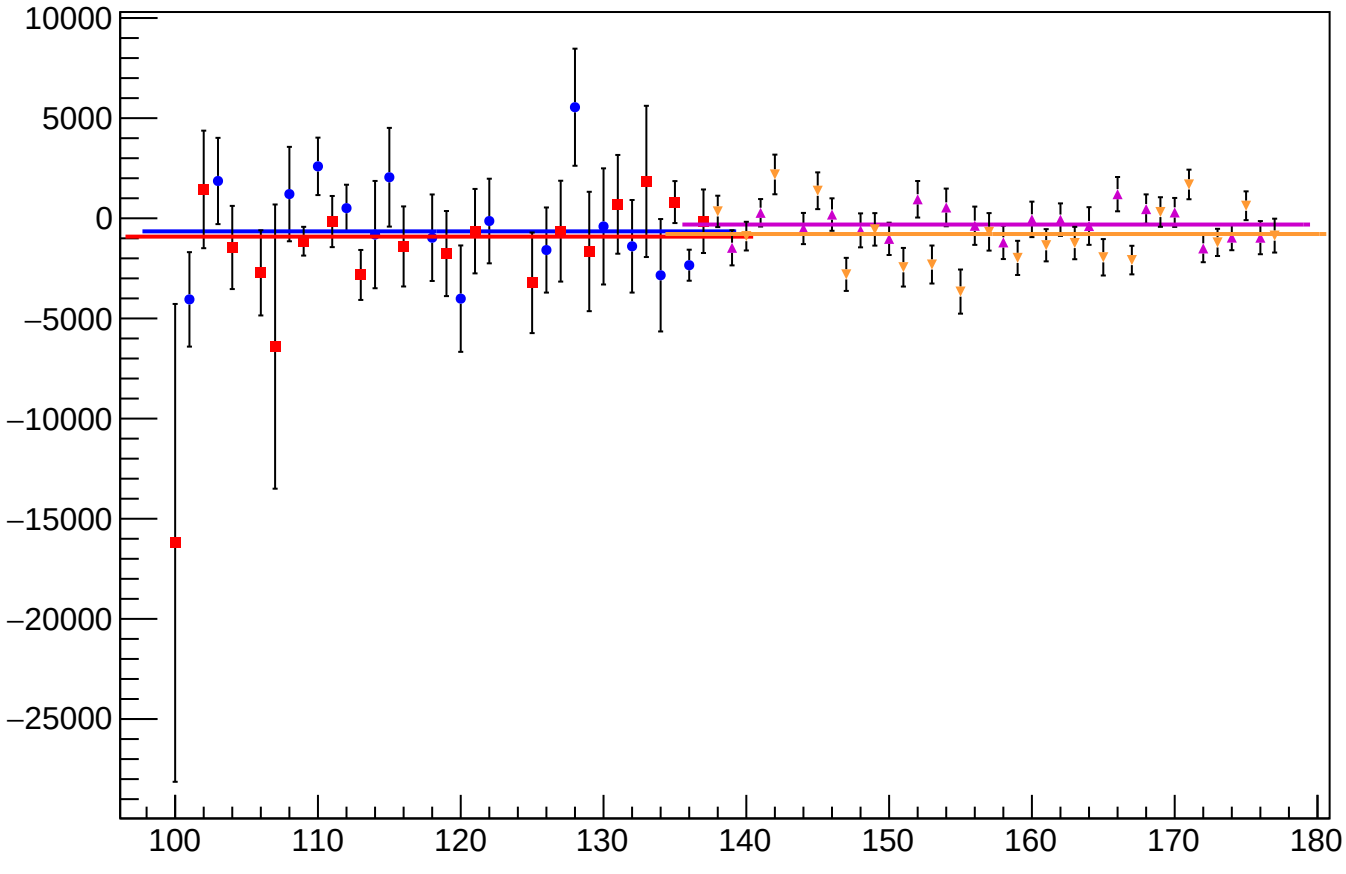
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

+ sign 1792.605+/-0.265 χ^2/NDF: 317514.9/35

All: 1793.456+/-0.188 χ^2/NDF: 438054.8/72

- sign 1794.319+/-0.267 χ^2/NDF: 120519.1/36



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -784.475+/-183.441 χ^2/NDF:60.4/19

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

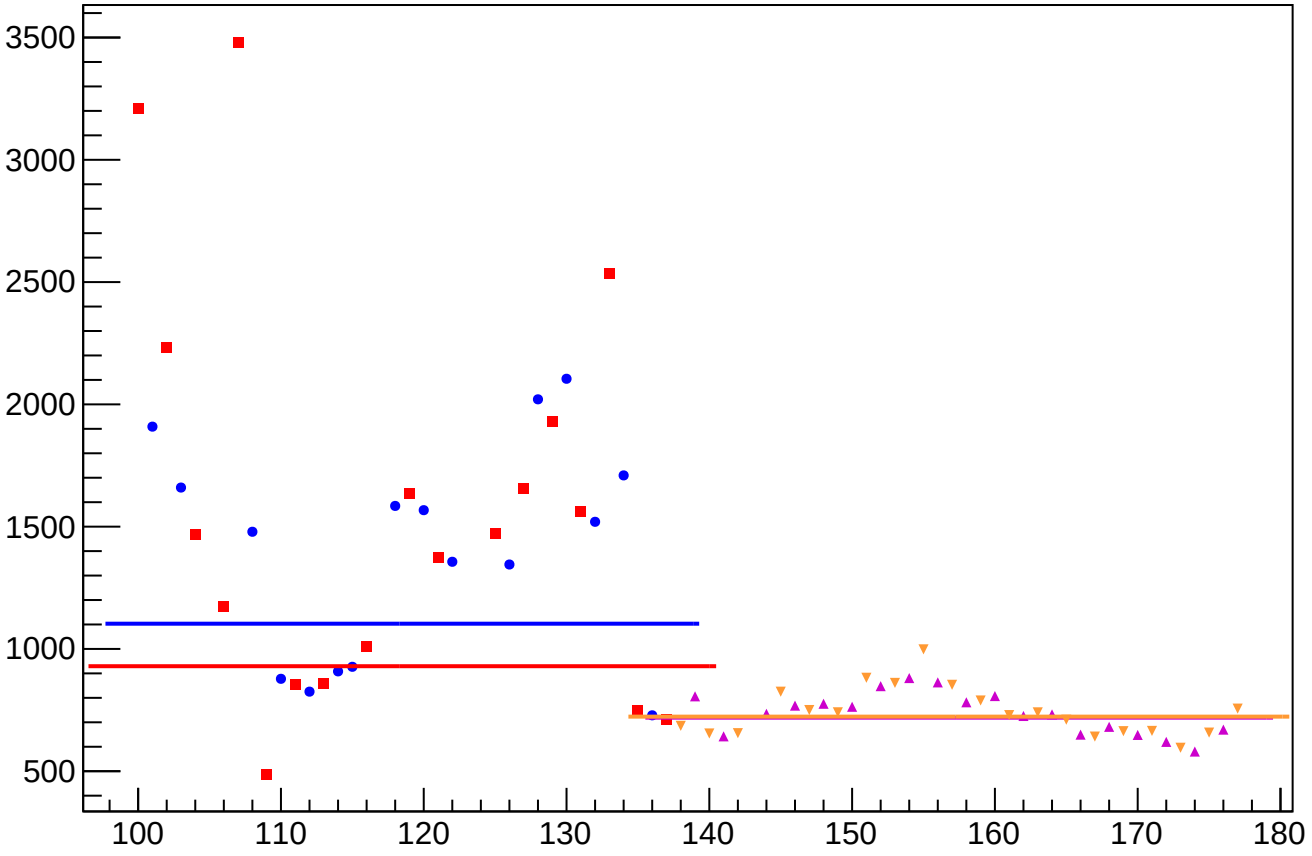
Left In: -311.296+/-184.061 χ^2/NDF:17.5/18

\+ sign -765.012+/-169.436 χ^2/NDF: 83.7/35

All: -589.541+/-118.837 χ^2/NDF: 116.8/72

\- sign -419.655+/-166.717 χ^2/NDF: 31.0/36

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 723.192+/-0.130 χ^2/NDF:474945.8/19

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

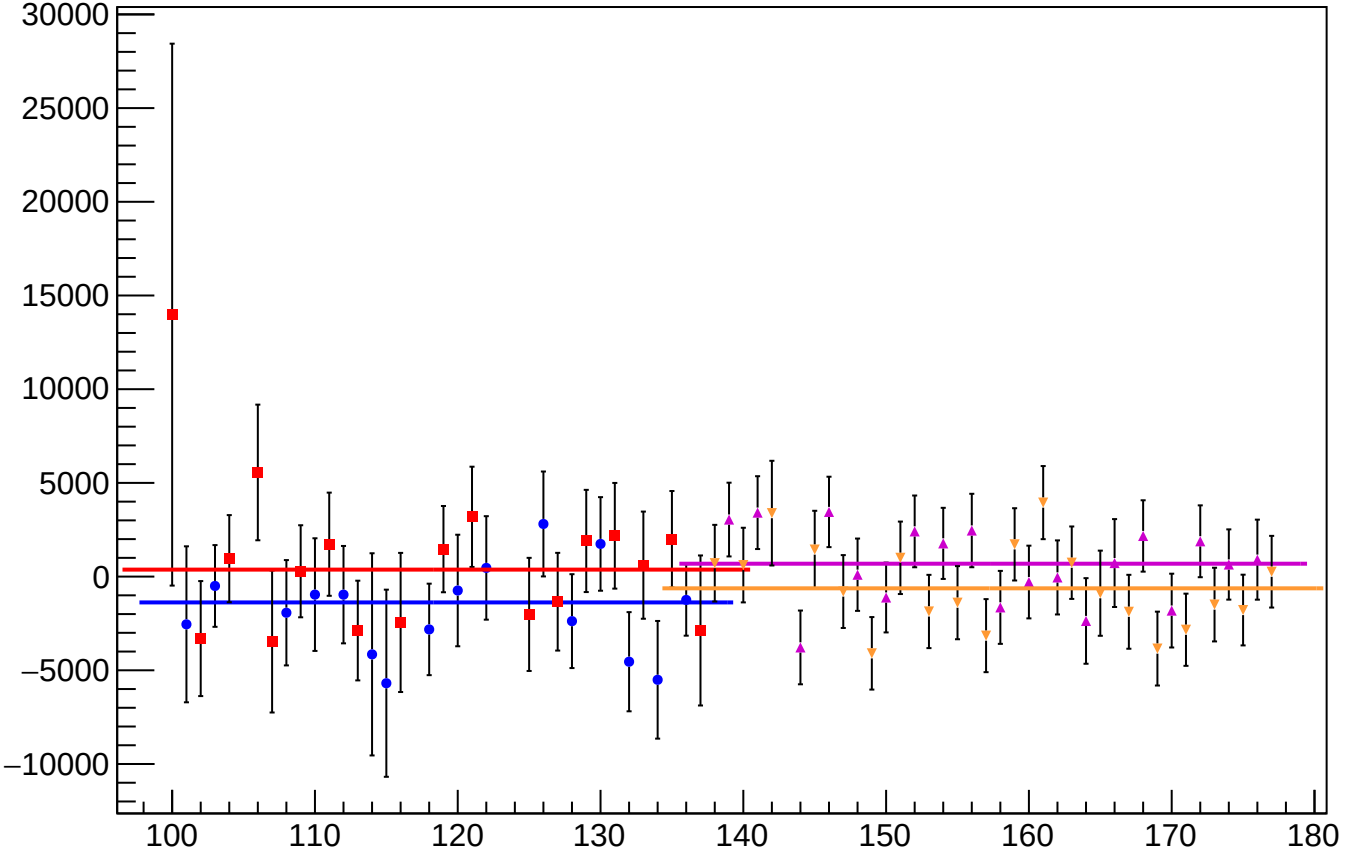
Left In: 718.912+/-0.130 χ^2/NDF:426161.0/18

\+ sign 778.998+/-0.120 χ^2/NDF: 3613461.3/35

All: 767.670+/-0.084 χ^2/NDF: 7580798.8/72

\- sign 756.703+/-0.118 χ^2/NDF: 3949743.5/36

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -625.901+/-445.879 χ^2/NDF:22.7/19

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

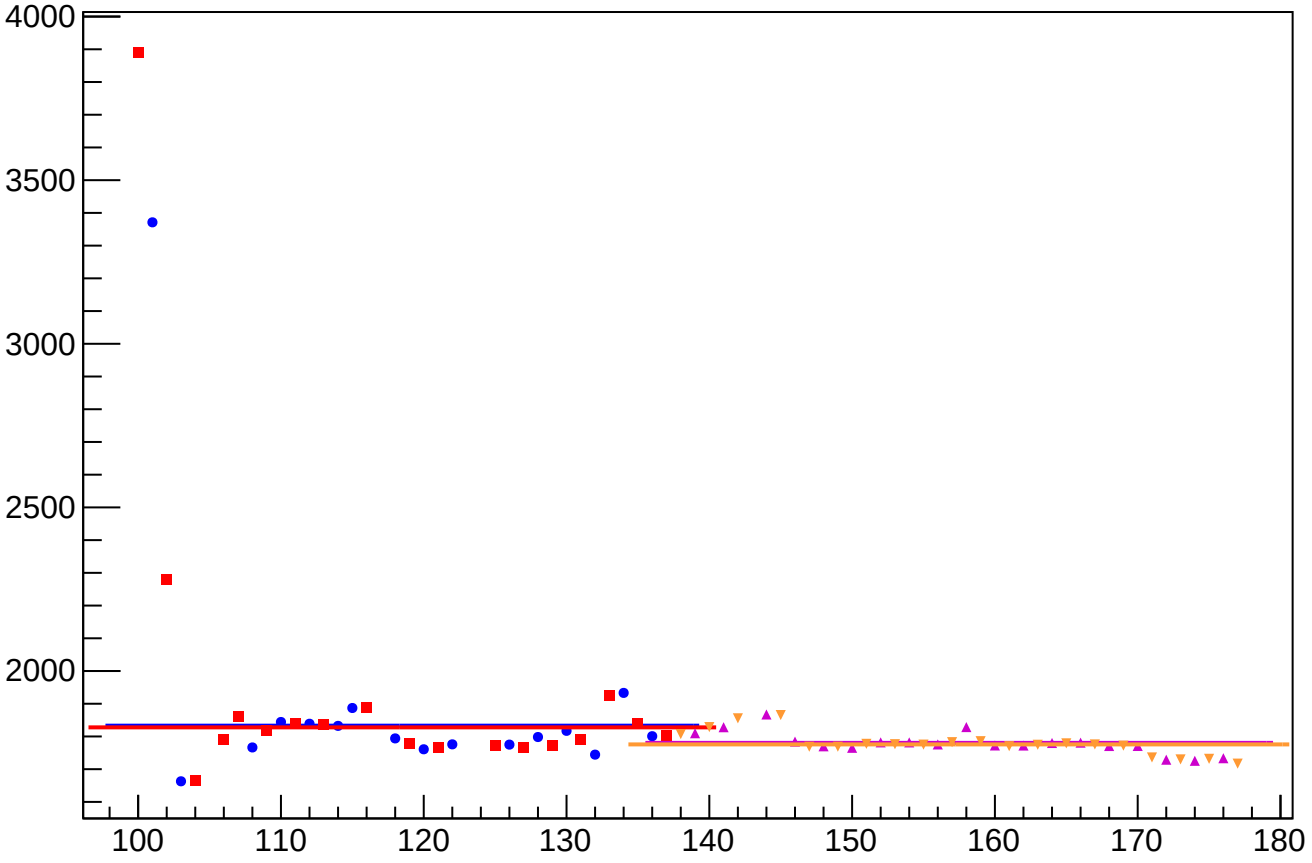
Left In: 687.542+/-451.694 χ^2/NDF:19.9/18

+ sign -847.926+/-374.337 χ^2/NDF: 32.8/35

All: -133.068+/-265.630 χ^2/NDF: 72.2/72

- sign 591.965+/-376.992 χ^2/NDF: 32.0/36

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1775.712+/-0.315 χ^2/NDF:12348.8/19

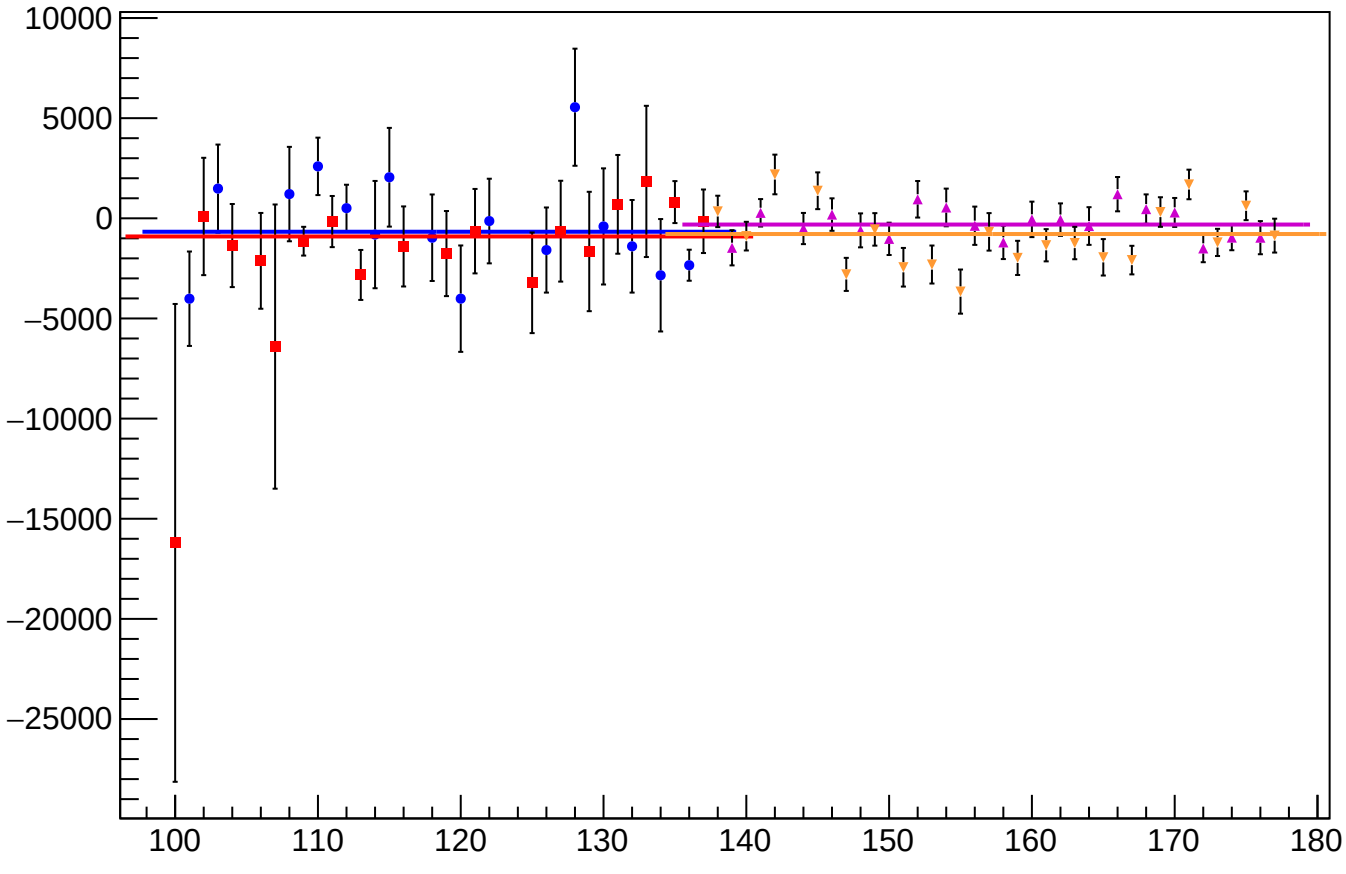
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

\+ sign 1792.605+/-0.265 χ^2/NDF: 317516.7/35

All: 1793.686+/-0.188 χ^2/NDF: 437763.6/72

\- sign 1794.783+/-0.267 χ^2/NDF: 120213.2/36



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -784.505+/-183.442 χ^2/NDF:60.4/19

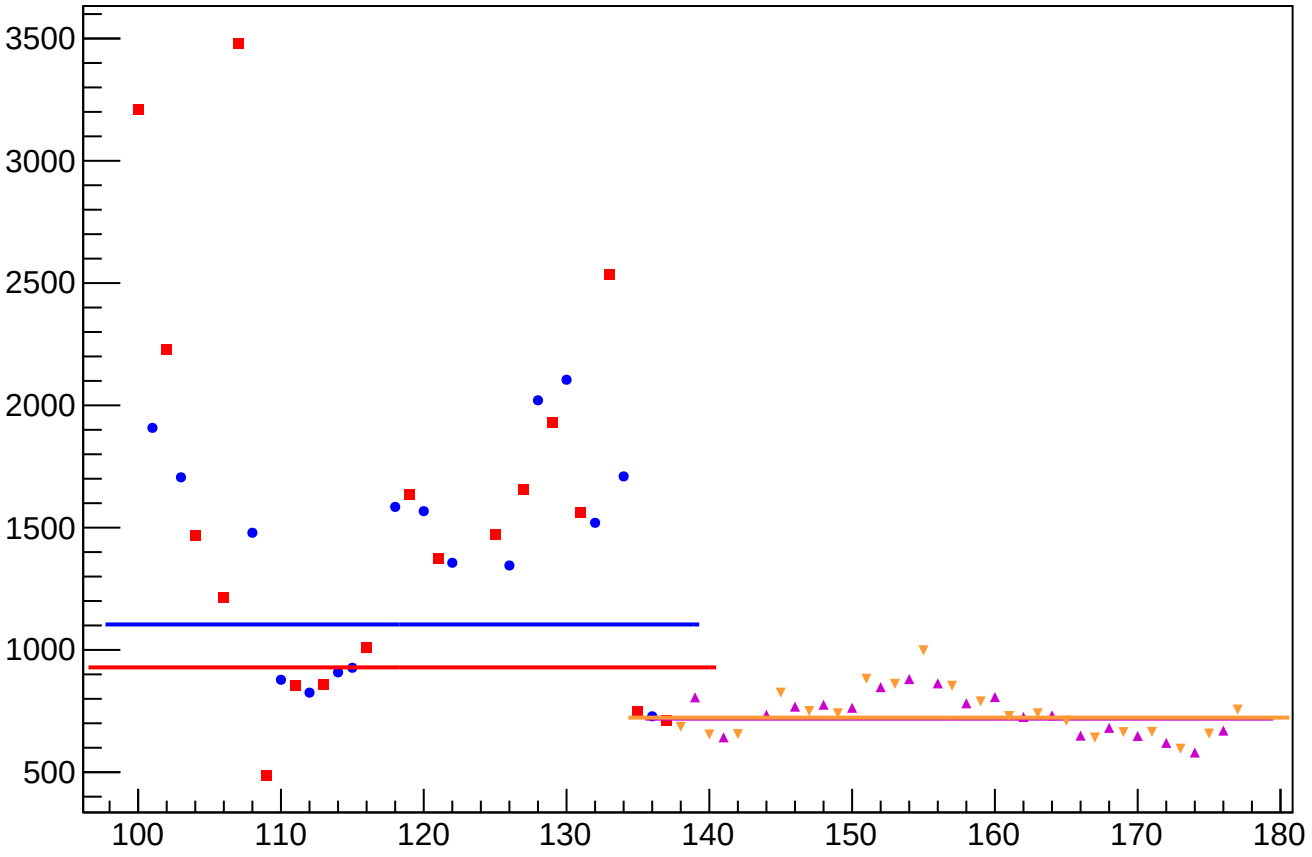
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -311.248+/-184.062 χ^2/NDF:17.5/18

\+ sign -767.792+/-169.458 χ^2/NDF: 83.3/35

All: -589.857+/-118.882 χ^2/NDF: 115.3/72

\- sign -417.411+/-166.824 χ^2/NDF: 29.9/36



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 723.198+/-0.130 χ^2/NDF:474886.3/19

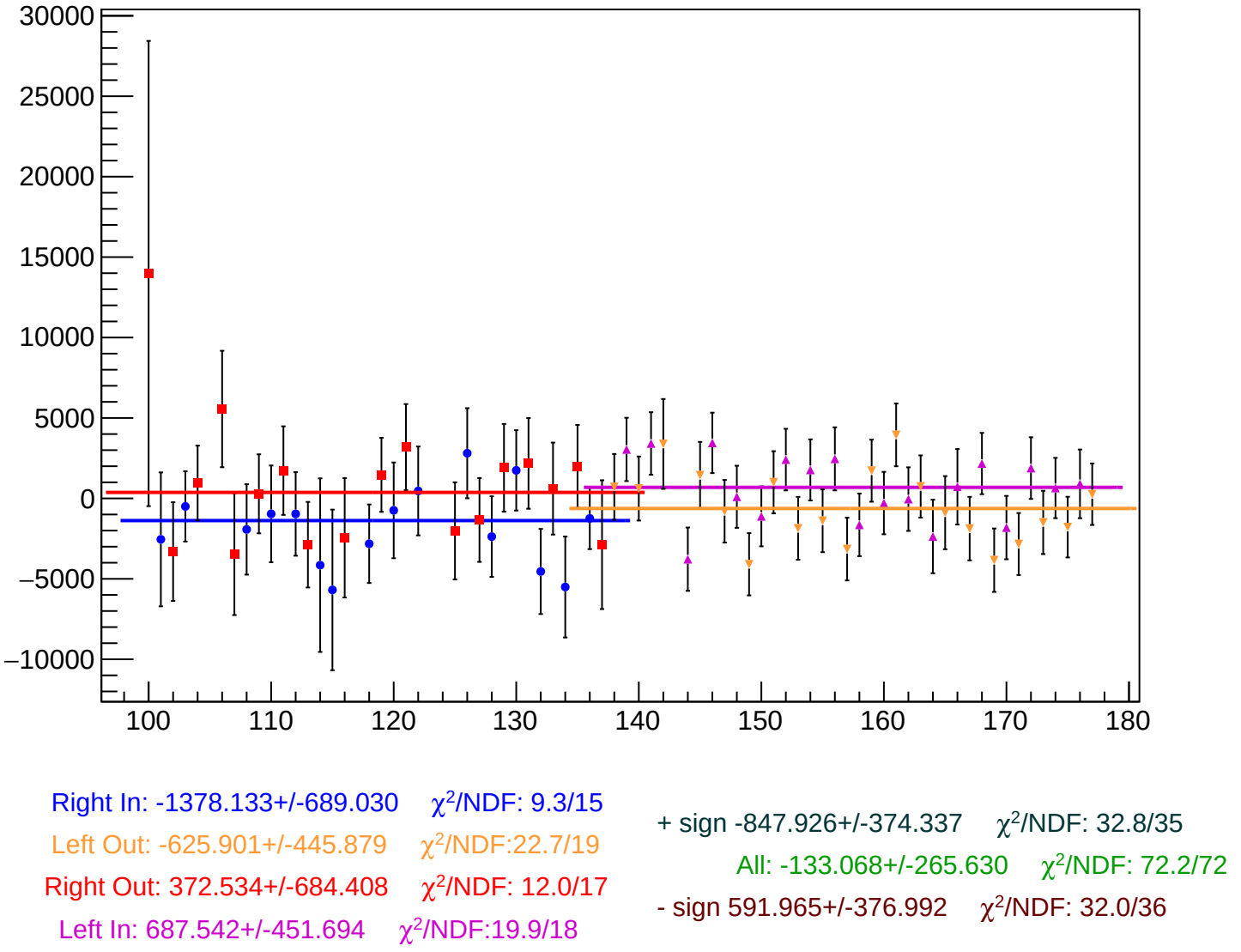
Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 718.917+/-0.130 χ^2/NDF:426187.1/18

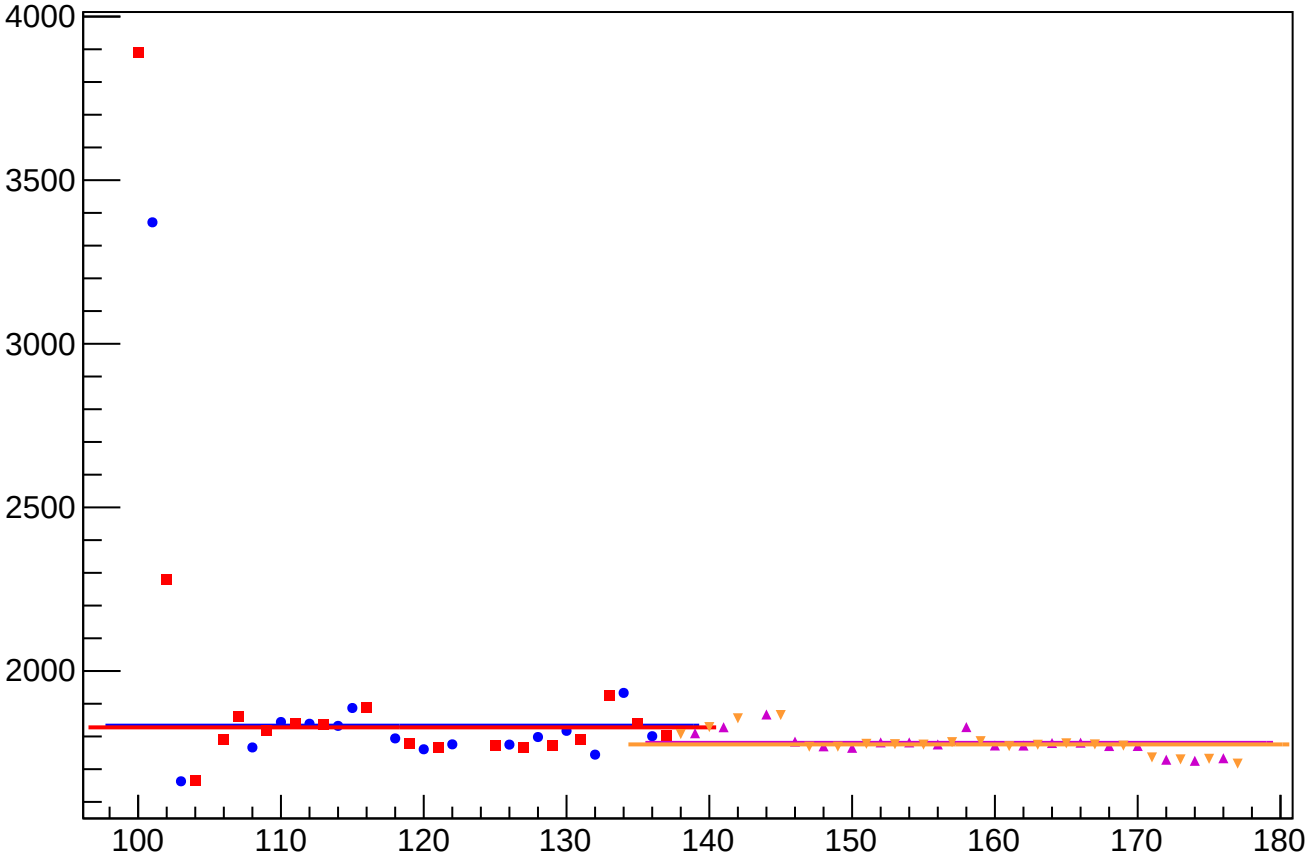
+ sign 779.058+/-0.120 χ^2/NDF: 3633968.4/35

All: 767.530+/-0.084 χ^2/NDF: 7596293.8/72

- sign 756.358+/-0.118 χ^2/NDF: 3944100.3/36


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -625.901+/-445.879 χ²/NDF:22.7/19
Right Out: 372.534+/-684.408 χ²/NDF: 12.0/17
Left In: 687.542+/-451.694 χ²/NDF:19.9/18
+ sign -847.926+/-374.337 χ²/NDF: 32.8/35
All: -133.068+/-265.630 χ²/NDF: 72.2/72
- sign 591.965+/-376.992 χ²/NDF: 32.0/36

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: 1775.712+/-0.315 χ^2/NDF:12348.8/19

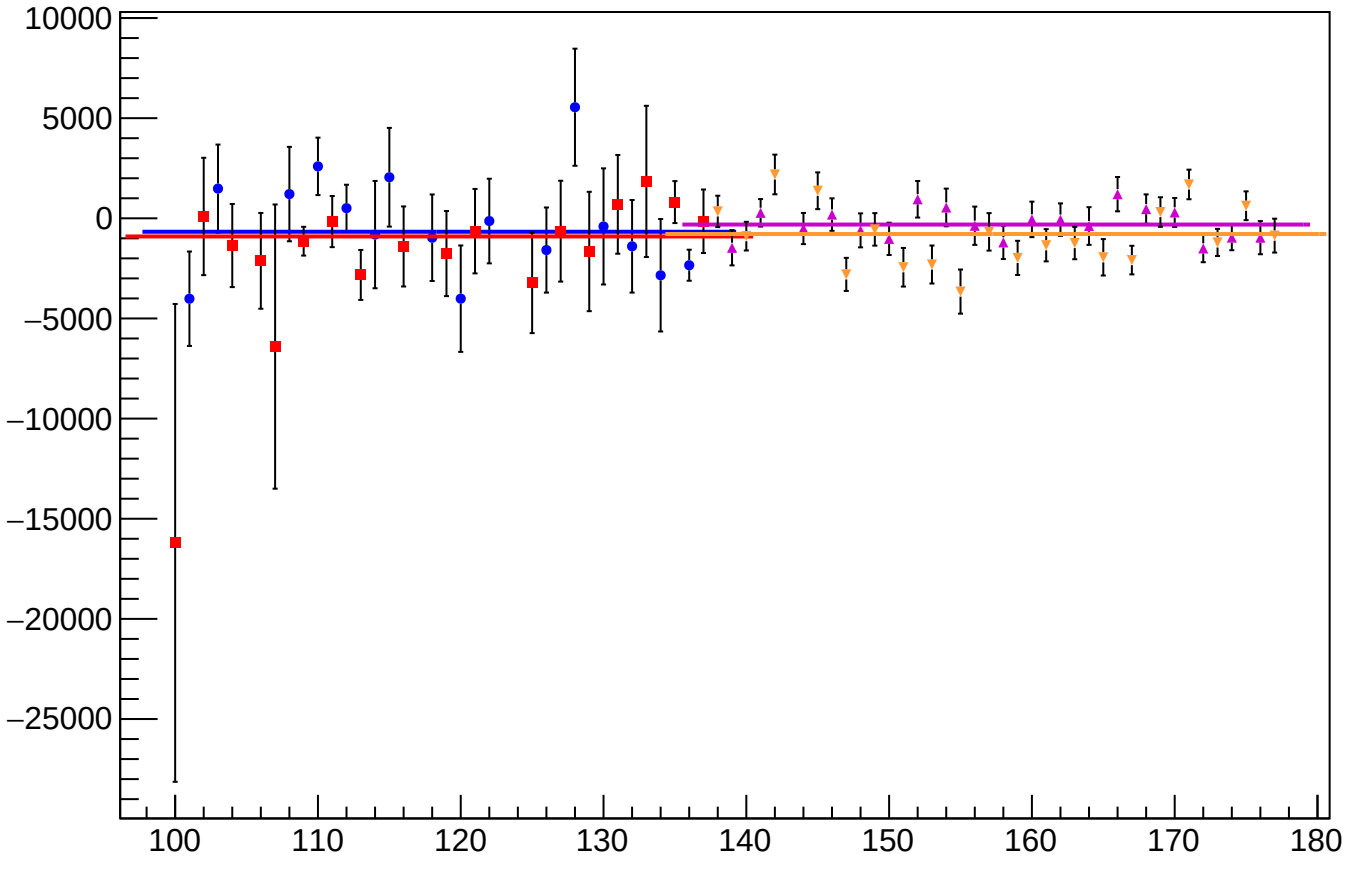
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

\+ sign 1792.605+/-0.265 χ^2/NDF: 317516.7/35

All: 1793.686+/-0.188 χ^2/NDF: 437763.6/72

\- sign 1794.783+/-0.267 χ^2/NDF: 120213.2/36



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -784.505+/-183.442 χ^2/NDF:60.4/19

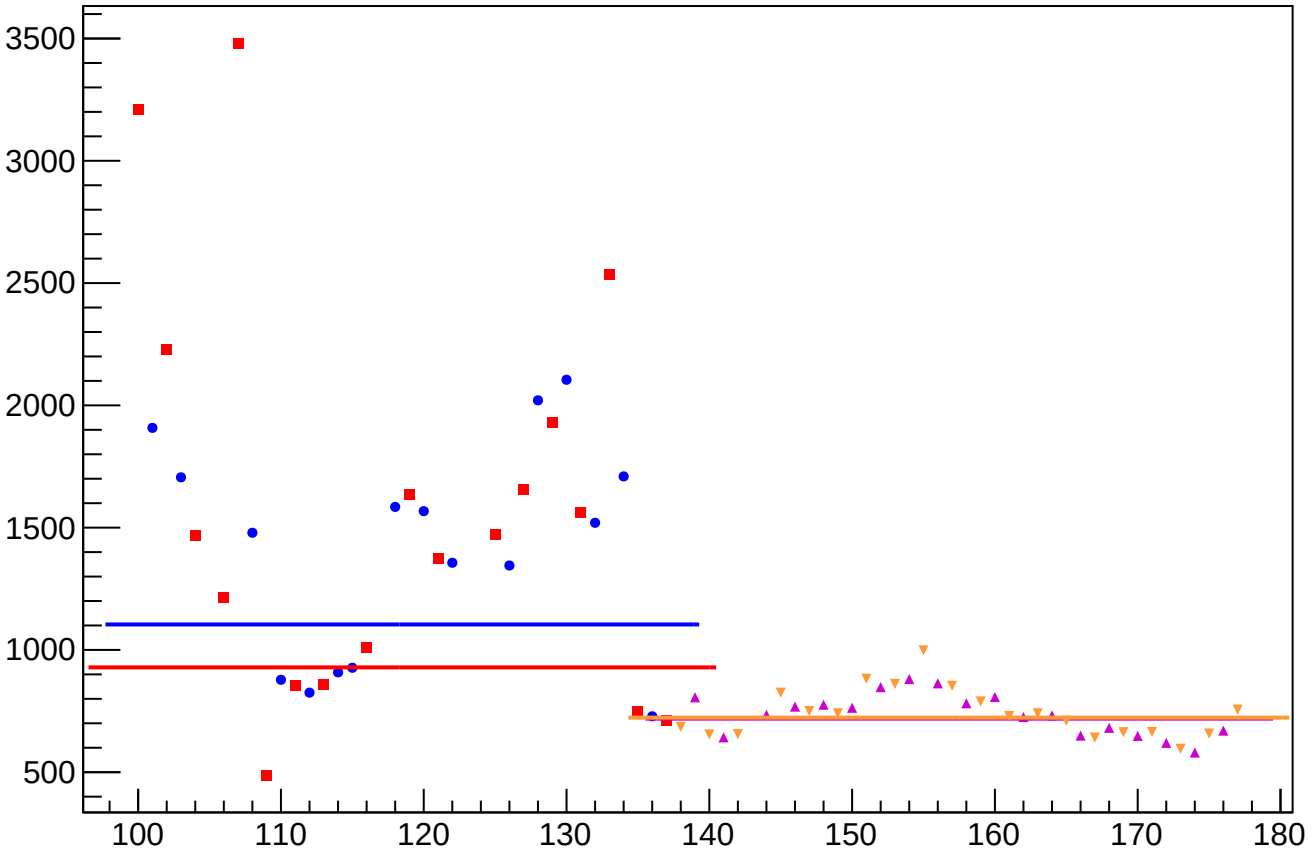
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -311.248+/-184.062 χ^2/NDF:17.5/18

\+ sign -767.792+/-169.458 χ^2/NDF: 83.3/35

All: -589.857+/-118.882 χ^2/NDF: 115.3/72

\- sign -417.411+/-166.824 χ^2/NDF: 29.9/36



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 723.198+/-0.130 χ^2/NDF:474886.3/19

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

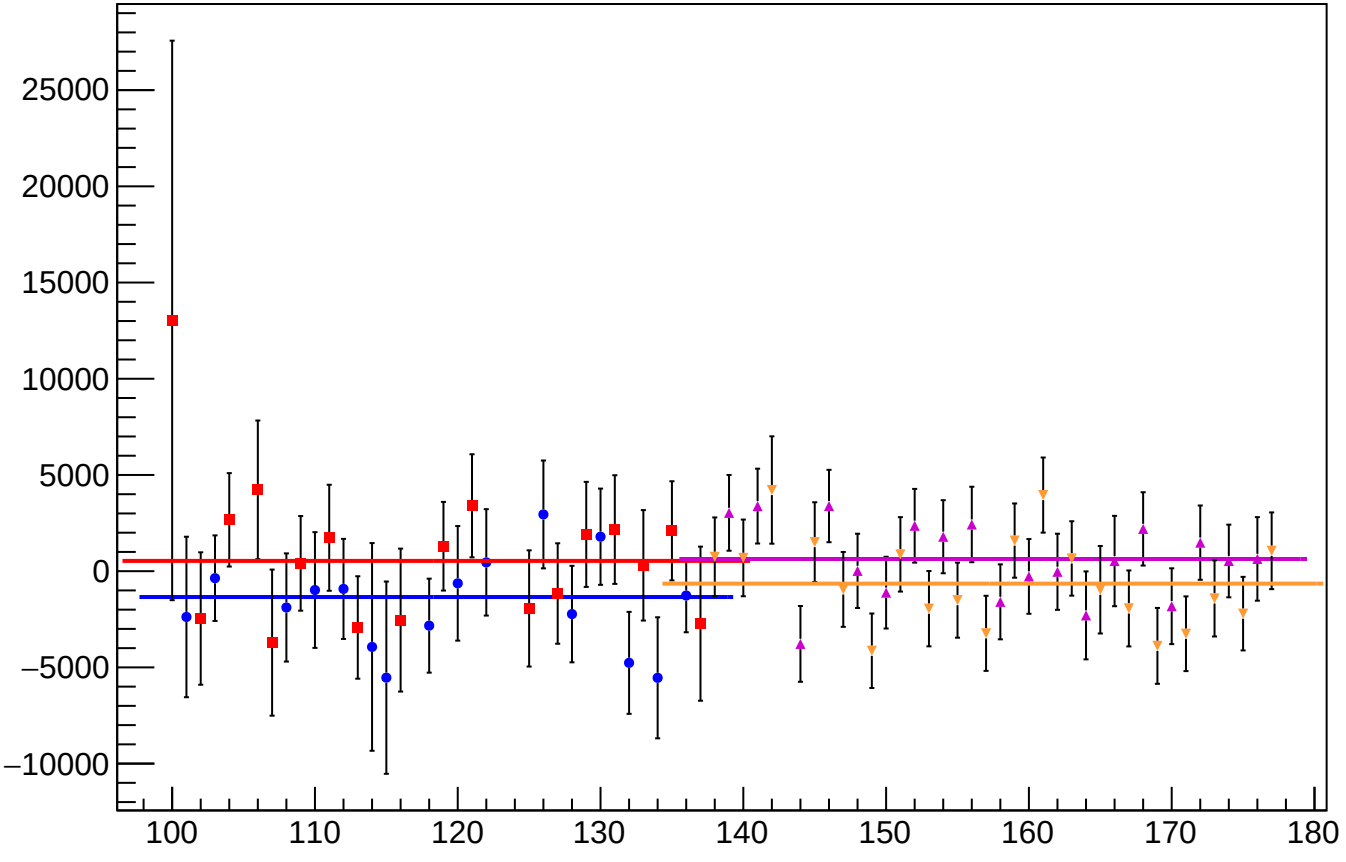
Left In: 718.917+/-0.130 χ^2/NDF:426187.1/18

\+ sign 779.058+/-0.120 χ^2/NDF: 3633968.4/35

All: 767.530+/-0.084 χ^2/NDF: 7596293.8/72

\- sign 756.358+/-0.118 χ^2/NDF: 3944100.3/36

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -647.581+/-447.729 χ^2/NDF:25.2/19

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

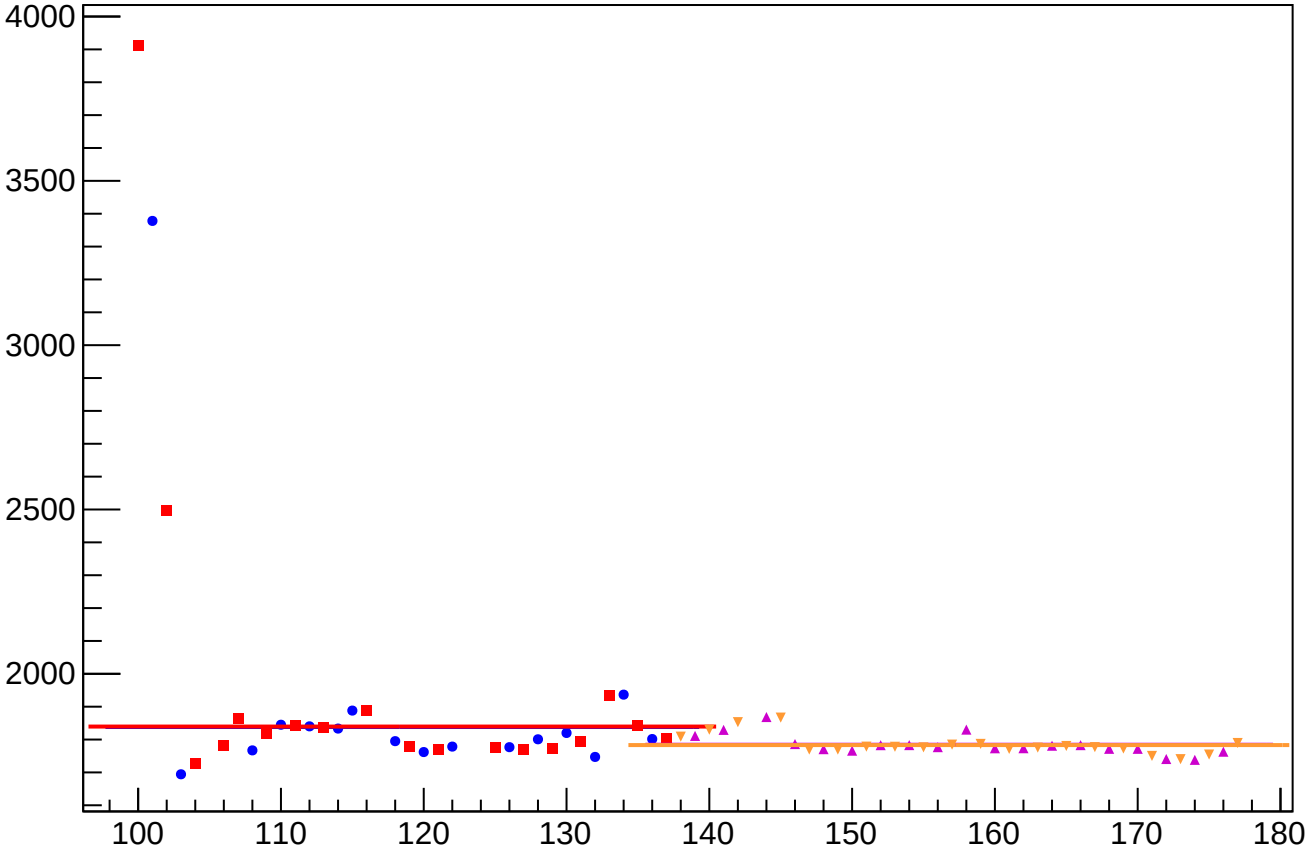
Left In: 632.599+/-452.651 χ^2/NDF:19.4/18

+ sign -853.517+/-375.738 χ^2/NDF: 35.5/35

All: -130.833+/-266.707 χ^2/NDF: 73.4/72

- sign 603.050+/-378.638 χ^2/NDF: 30.5/36

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.175+/-0.317 χ^2/NDF:8349.8/19

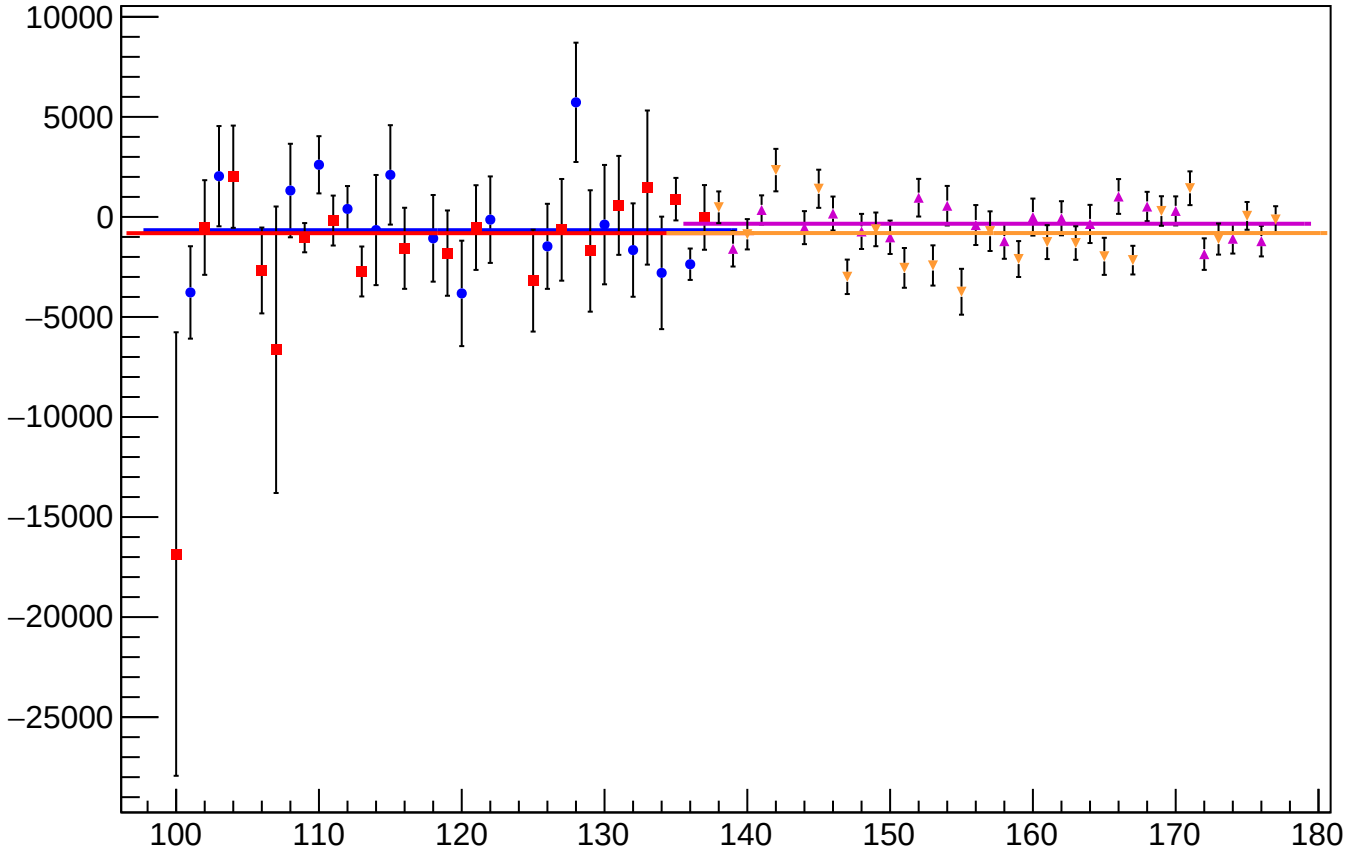
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1784.237+/-0.320 χ^2/NDF:9224.1/18

+ sign 1799.436+/-0.266 χ^2/NDF: 309253.8/35

All: 1800.131+/-0.189 χ^2/NDF: 455702.5/72

- sign 1800.837+/-0.268 χ^2/NDF: 146434.9/36



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -805.831+/-188.157 χ^2/NDF:55.4/19

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

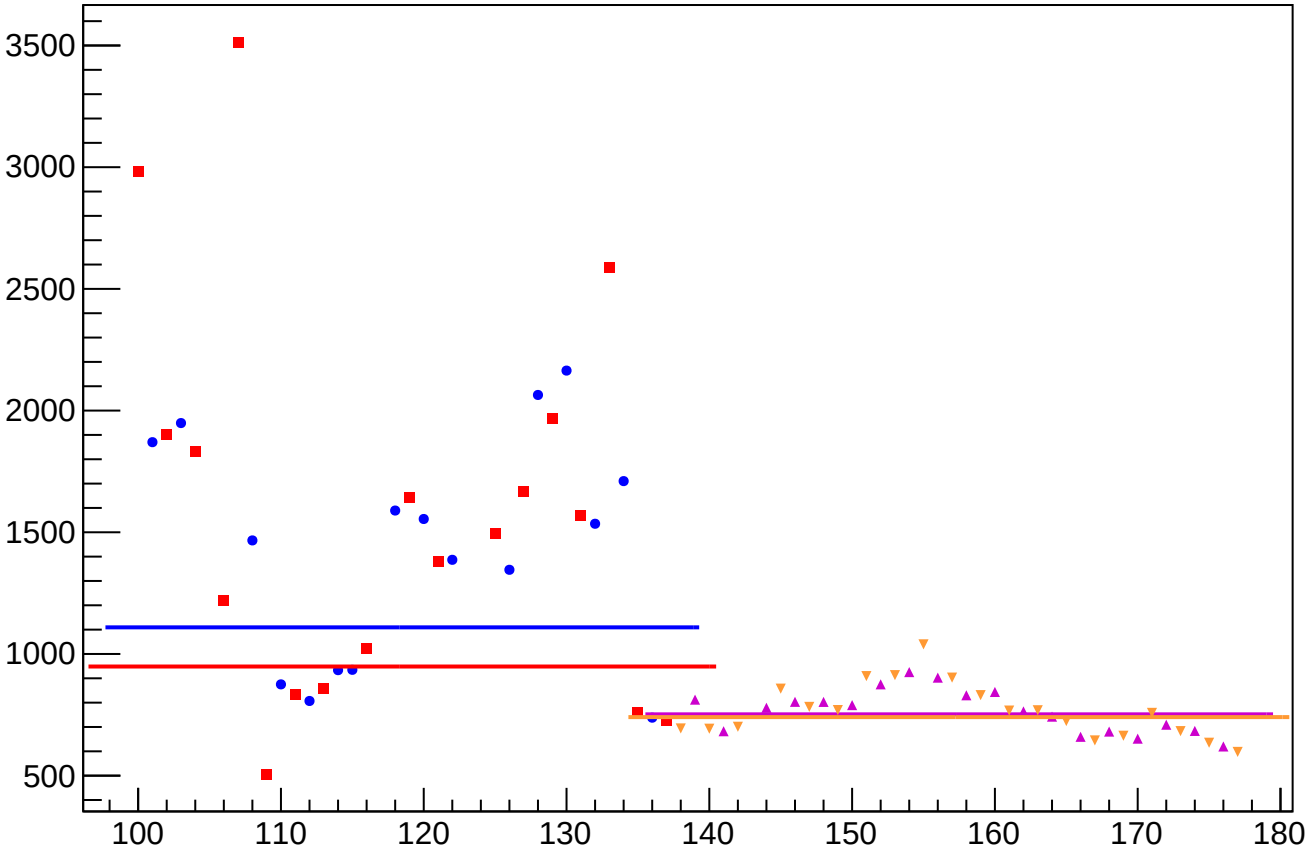
Left In: -340.990+/-192.315 χ^2/NDF:18.7/18

\+ sign -784.317+/-173.355 χ^2/NDF: 78.2/35

All: -607.130+/-122.488 χ^2/NDF: 112.4/72

\- sign -430.479+/-173.093 χ^2/NDF: 32.1/36

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 740.576+/-0.133 χ^2/NDF:592825.0/19

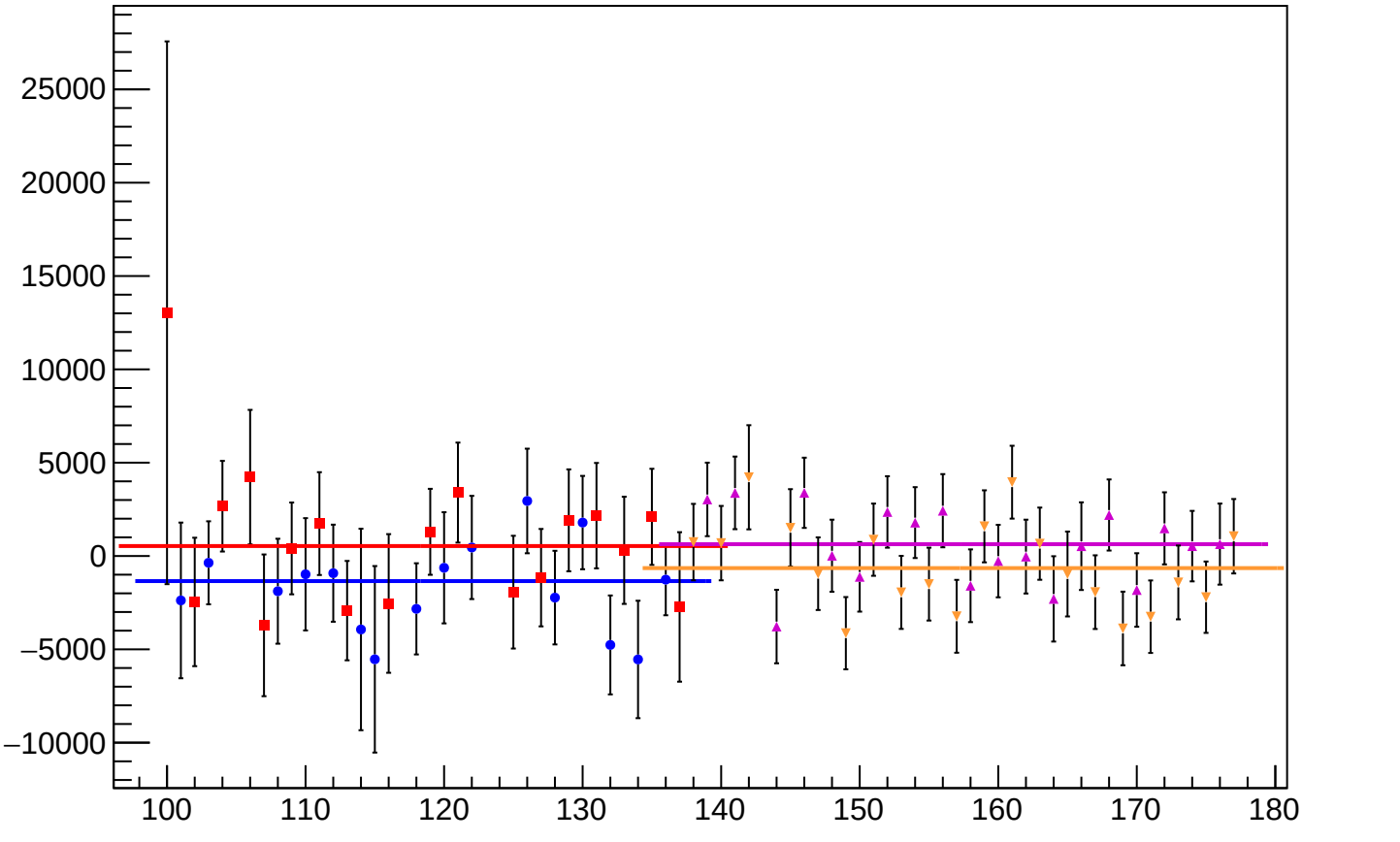
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 751.944+/-0.136 χ^2/NDF:386794.2/18

\+ sign 796.316+/-0.123 χ^2/NDF: 3727451.7/35

All: 792.783+/-0.087 χ^2/NDF: 7566099.8/72

\- sign 789.261+/-0.122 χ^2/NDF: 3836989.7/36



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -647.580+/-447.729 χ^2/NDF:25.2/19

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

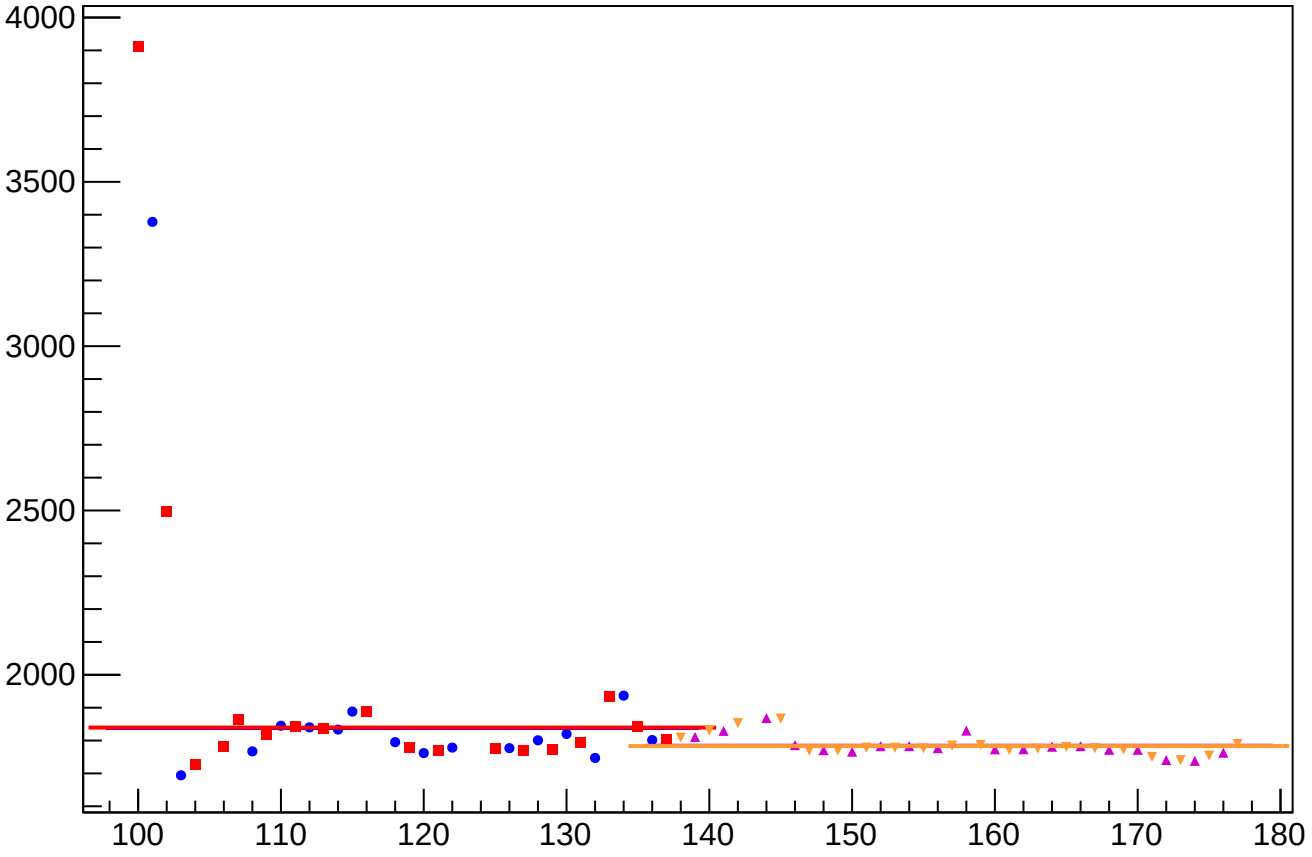
Left In: 632.599+/-452.651 χ^2/NDF:19.4/18

\+ sign -853.517+/-375.738 χ^2/NDF: 35.5/35

All: -130.832+/-266.707 χ^2/NDF: 73.4/72

\- sign 603.051+/-378.638 χ^2/NDF: 30.5/36

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: 1783.175+/-0.317 χ^2/NDF:8349.9/19

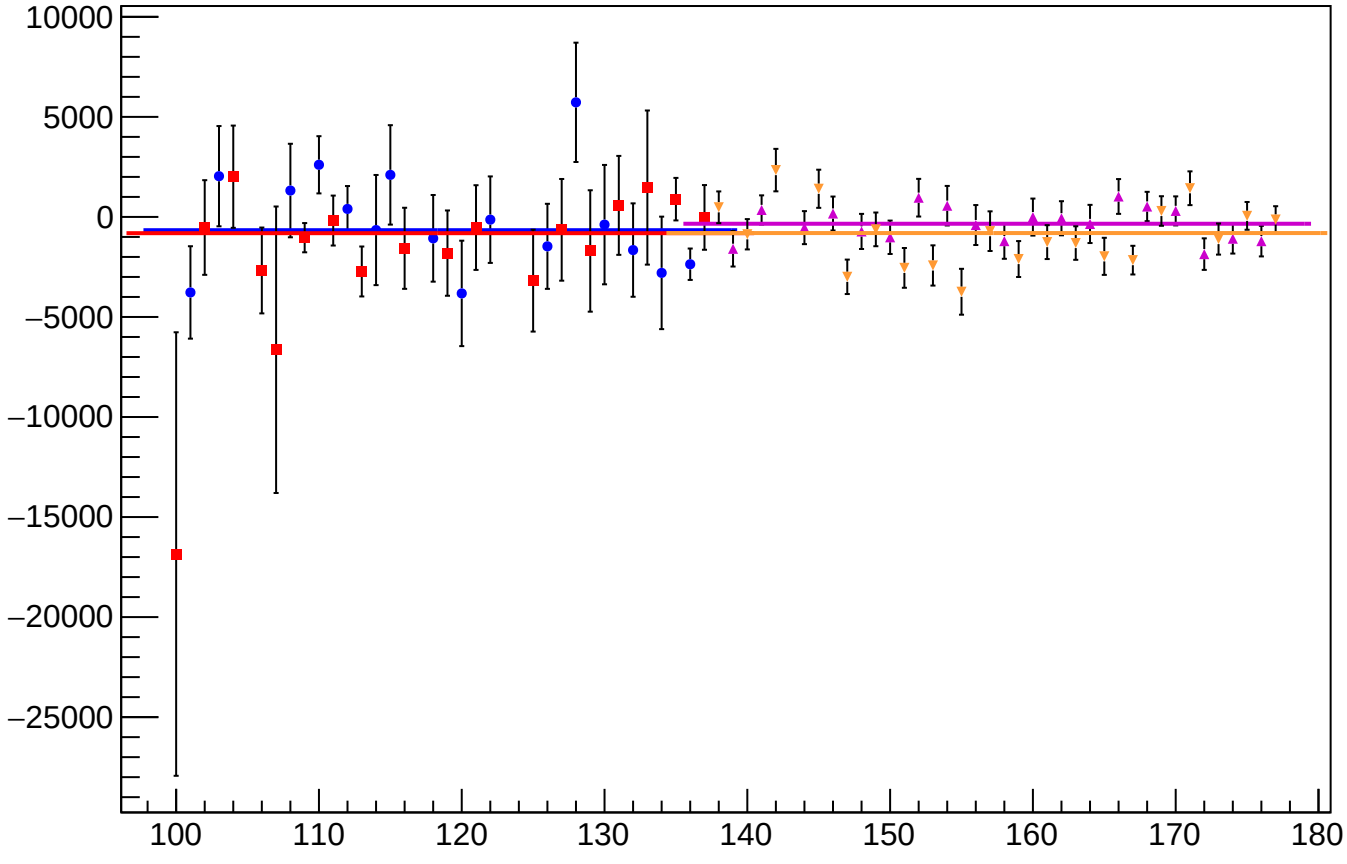
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1784.237+/-0.320 χ^2/NDF:9224.1/18

+ sign 1799.436+/-0.266 χ^2/NDF: 309253.8/35

All: 1800.131+/-0.189 χ^2/NDF: 455702.6/72

- sign 1800.837+/-0.268 χ^2/NDF: 146435.0/36



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -805.833+/-188.157 χ^2/NDF:55.4/19

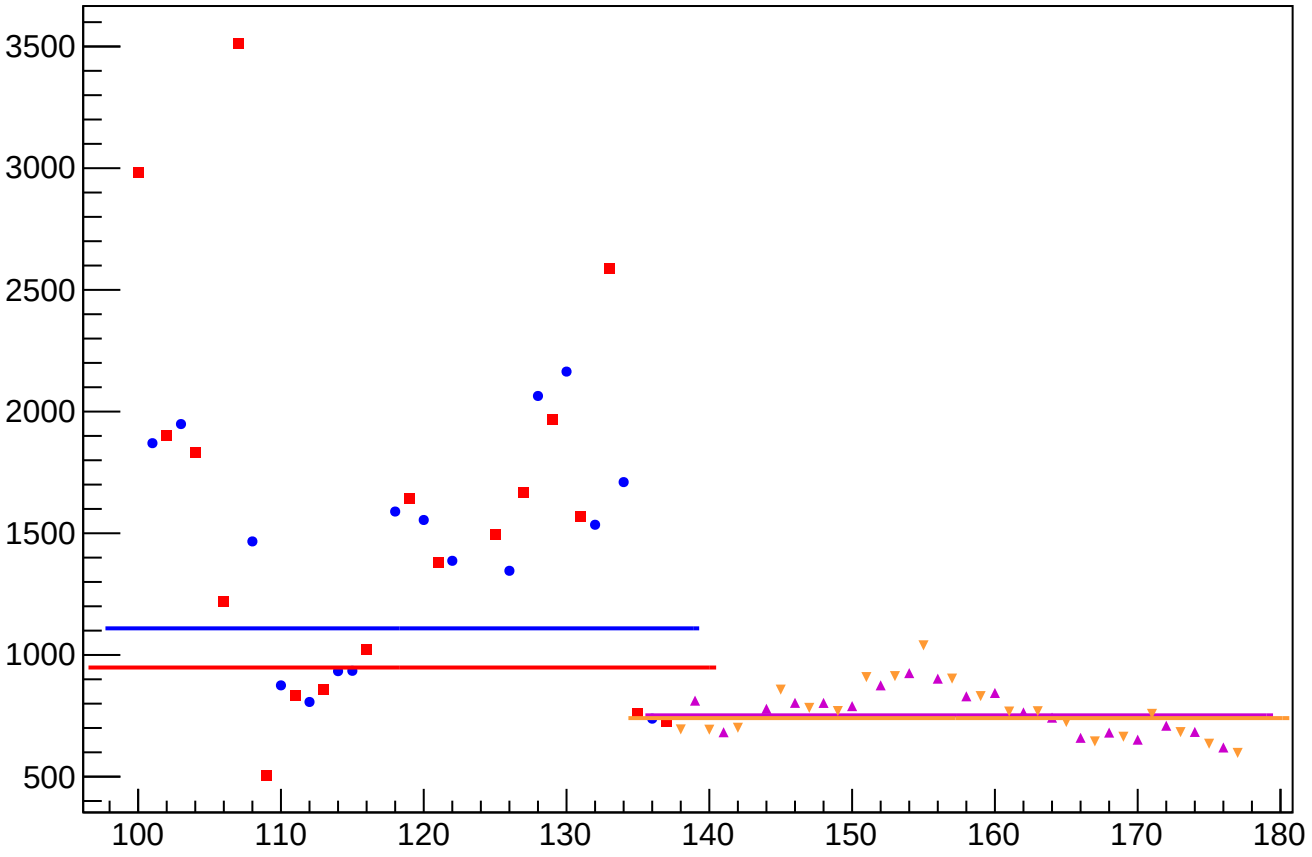
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -340.988+/-192.315 χ^2/NDF:18.7/18

\+ sign -784.317+/-173.355 χ^2/NDF: 78.2/35

All: -607.129+/-122.488 χ^2/NDF: 112.4/72

\- sign -430.478+/-173.093 χ^2/NDF: 32.1/36



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 740.576+/-0.133 χ^2/NDF:592818.7/19

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

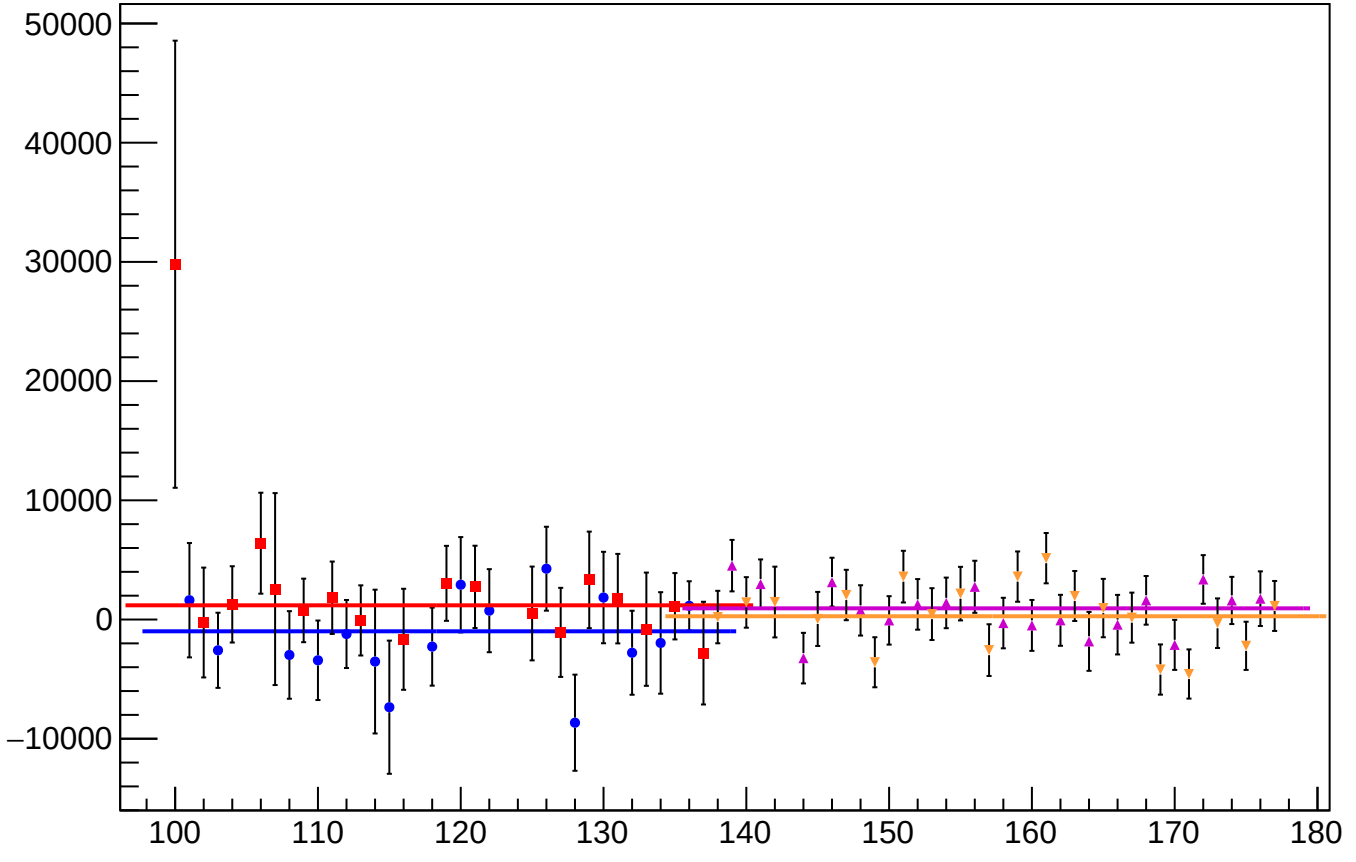
Left In: 751.943+/-0.136 χ^2/NDF:386801.9/18

+ sign 796.317+/-0.123 χ^2/NDF: 3727418.6/35

All: 792.784+/-0.087 χ^2/NDF: 7566058.2/72

- sign 789.262+/-0.122 χ^2/NDF: 3836980.9/36

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 274.827+/-484.738 χ^2/NDF:29.7/19

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

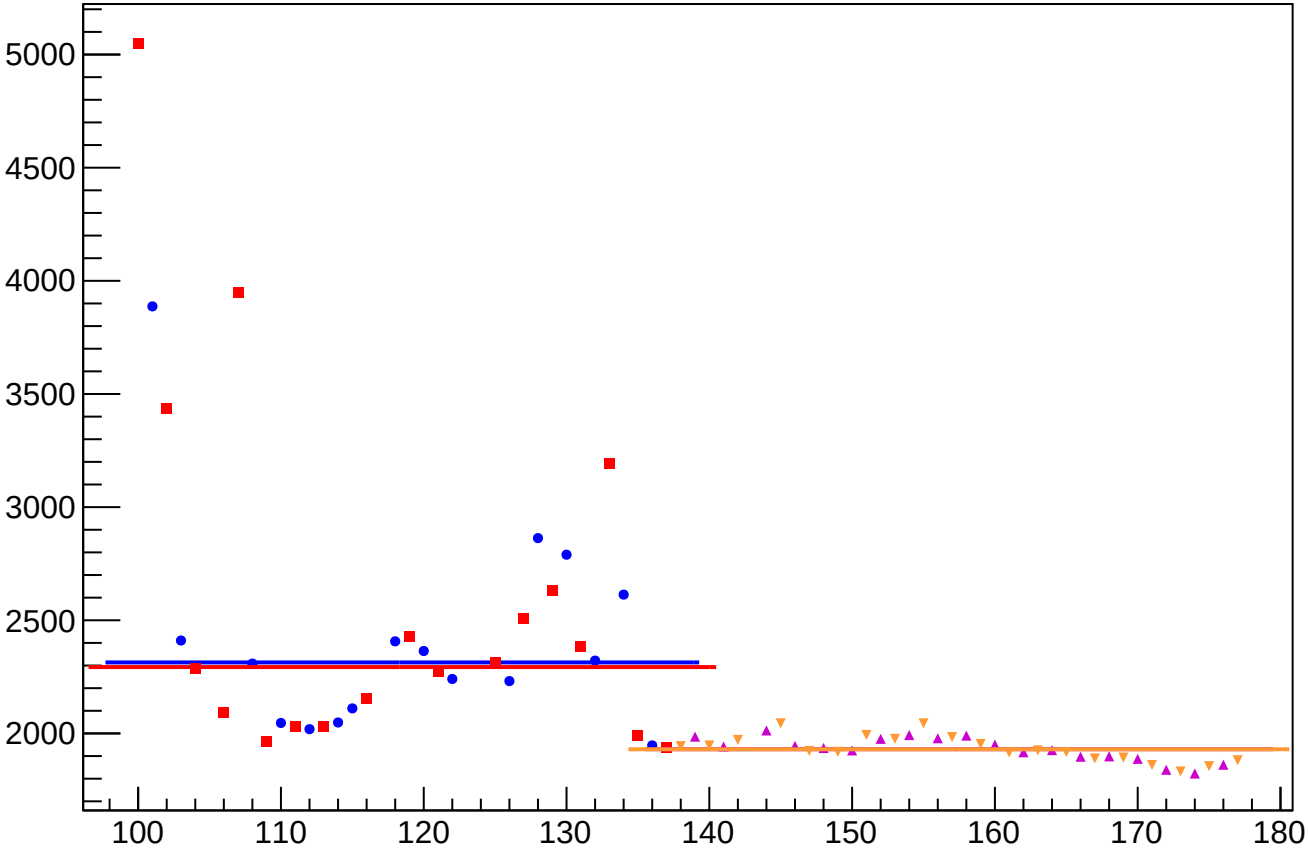
Left In: 938.975+/-489.863 χ^2/NDF:16.2/18

\+ sign -22.217+/-423.887 χ^2/NDF: 43.2/35

All: 485.210+/-300.794 χ^2/NDF: 69.4/72

\- sign 999.879+/-426.901 χ^2/NDF: 23.2/36

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1929.930+/-0.343 χ^2/NDF:27068.7/19

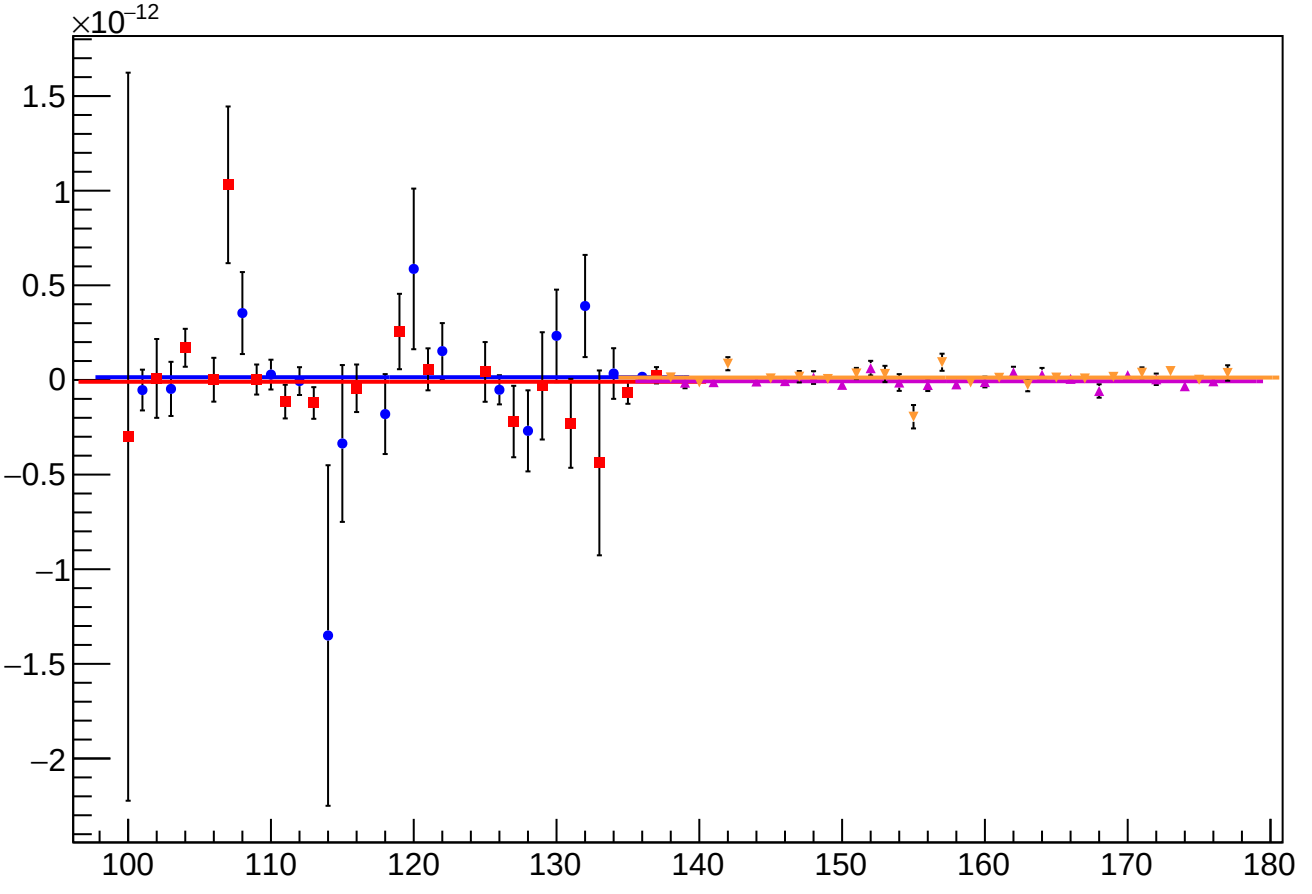
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1930.380+/-0.346 χ^2/NDF:23398.6/18

+ sign 2020.244+/-0.300 χ^2/NDF: 724870.8/35

All: 2018.967+/-0.213 χ^2/NDF: 1465523.5/72

- sign 2017.671+/-0.302 χ^2/NDF: 740616.1/36



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

Left Out: 0.000+/-0.000 χ^2/NDF:29.2/19

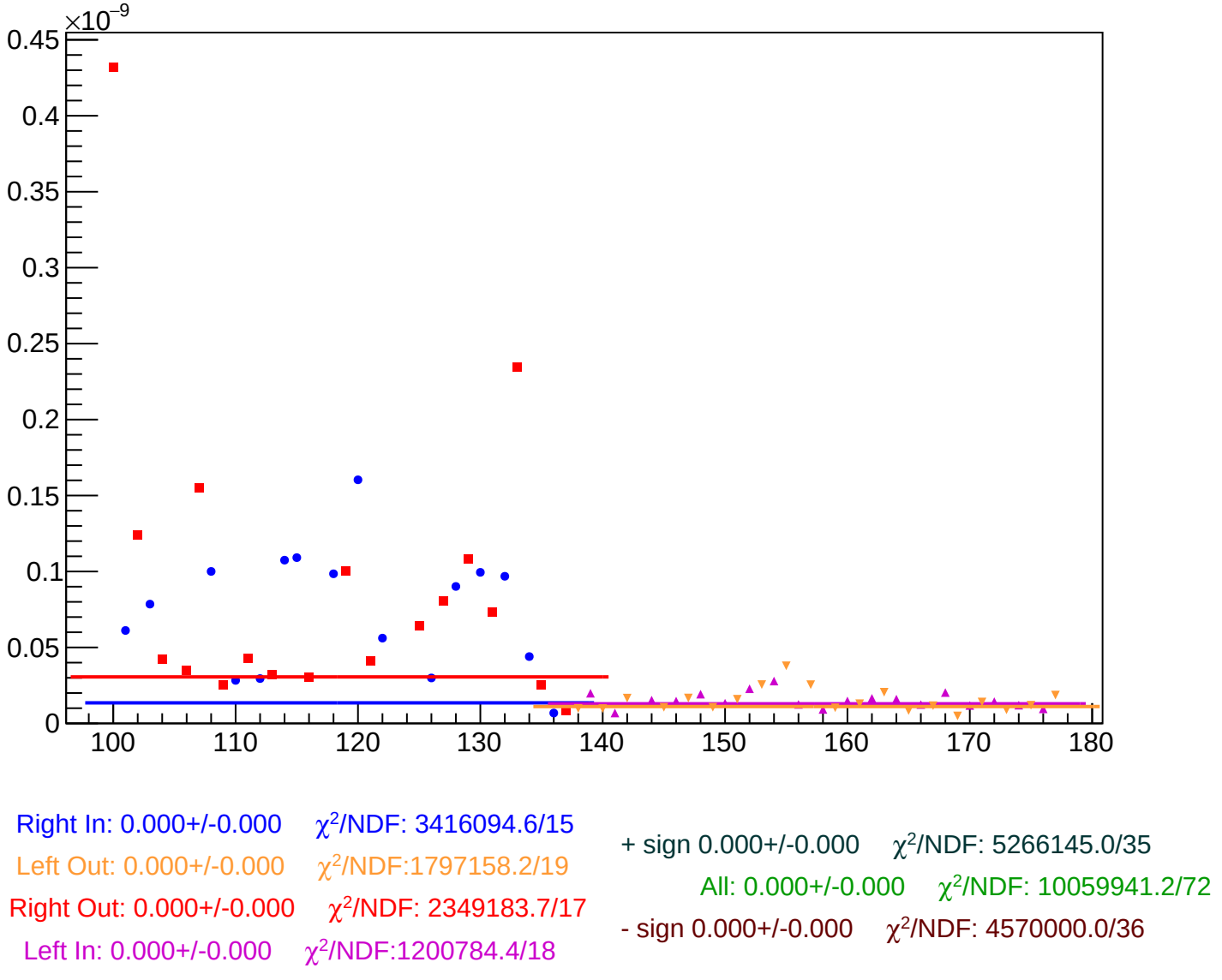
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

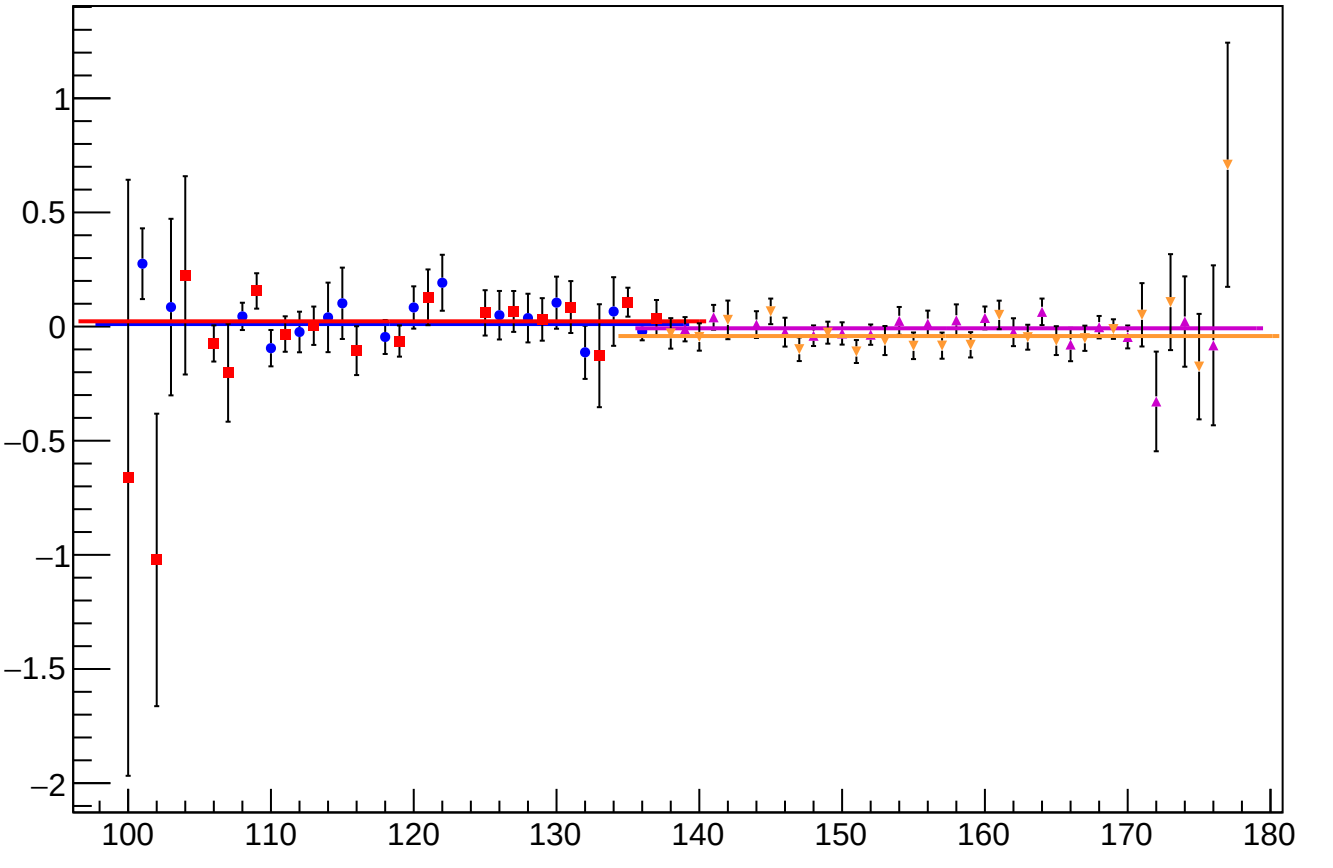
Left In: -0.000+/-0.000 χ^2/NDF:14.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/35

All: 0.000+/-0.000 χ^2/NDF: 85.5/72

- sign -0.000+/-0.000 χ^2/NDF: 34.3/36


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1797158.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:1200784.4/18
+ sign 0.000+/-0.000 χ²/NDF: 5266145.0/35
All: 0.000+/-0.000 χ²/NDF: 10059941.2/72
- sign 0.000+/-0.000 χ²/NDF: 4570000.0/36



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.4/19

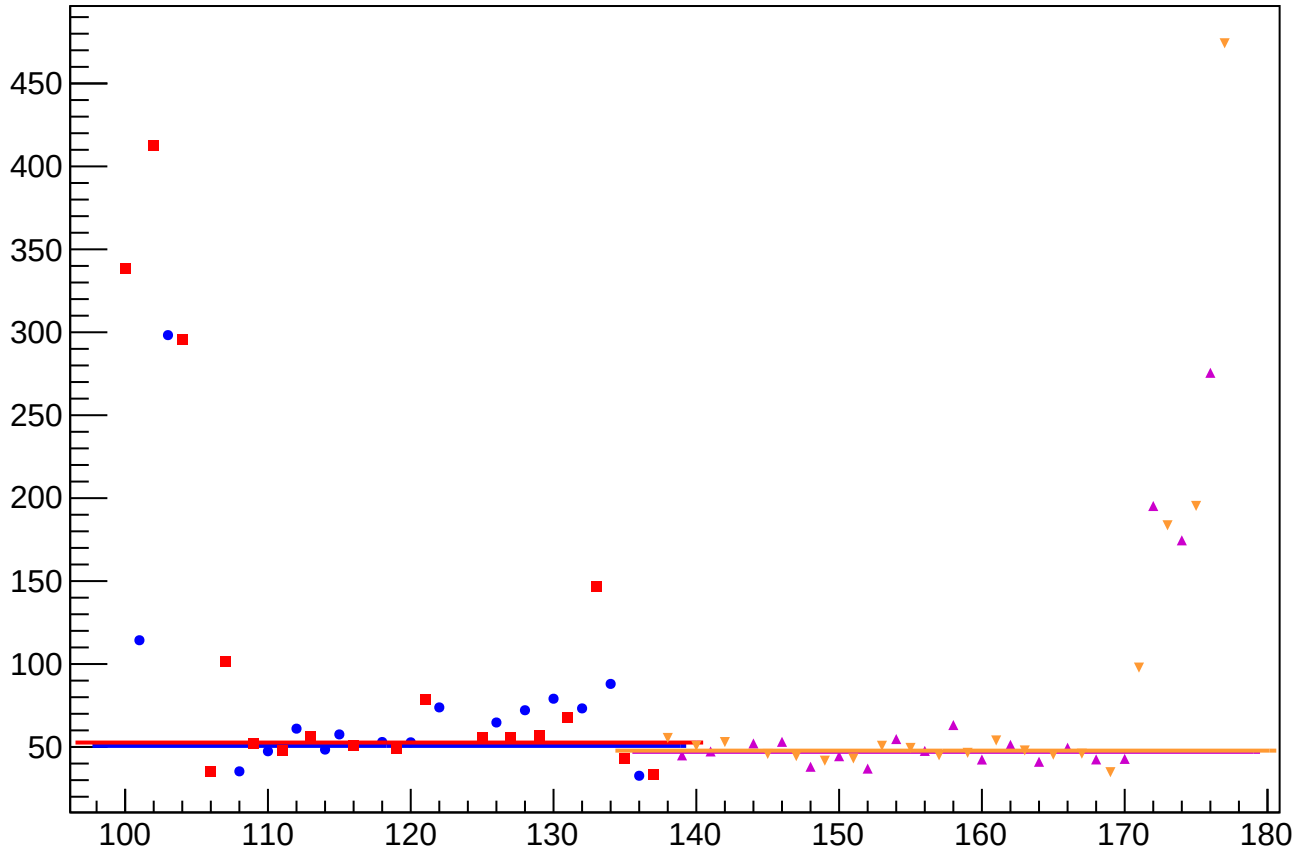
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.014 χ^2/NDF:8.9/18

+ sign -0.026+/-0.012 χ^2/NDF: 31.2/35

All: -0.013+/-0.008 χ^2/NDF: 59.9/72

- sign 0.000+/-0.012 χ^2/NDF: 26.2/36



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.794+/-0.010 χ^2/NDF:3500704.6/19

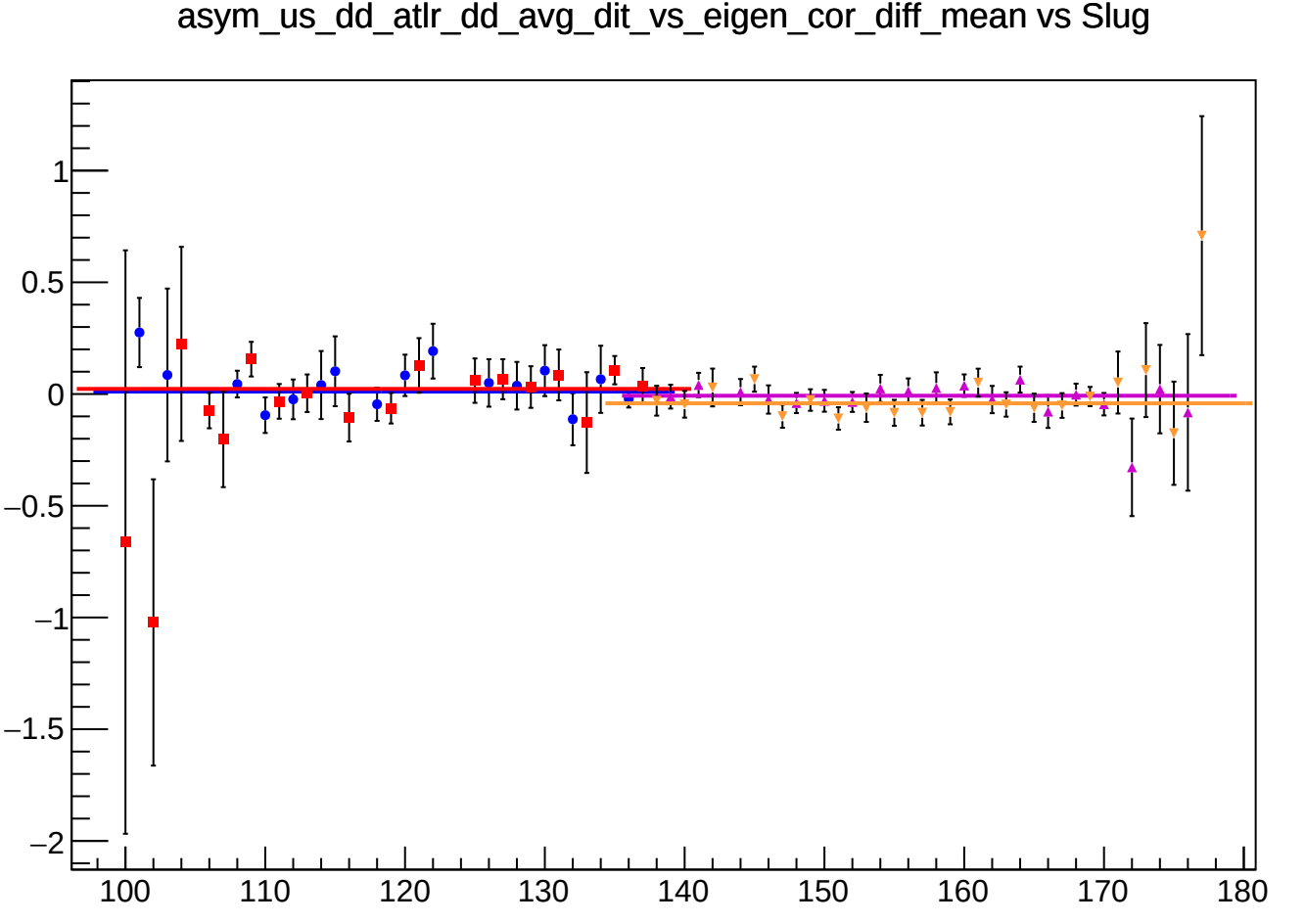
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.053+/-0.010 χ^2/NDF:3048256.8/18

\+ sign 48.618+/-0.008 χ^2/NDF: 5791318.1/35

All: 48.554+/-0.006 χ^2/NDF: 11139399.3/72

\- sign 48.490+/-0.008 χ^2/NDF: 5347961.7/36



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.4/19

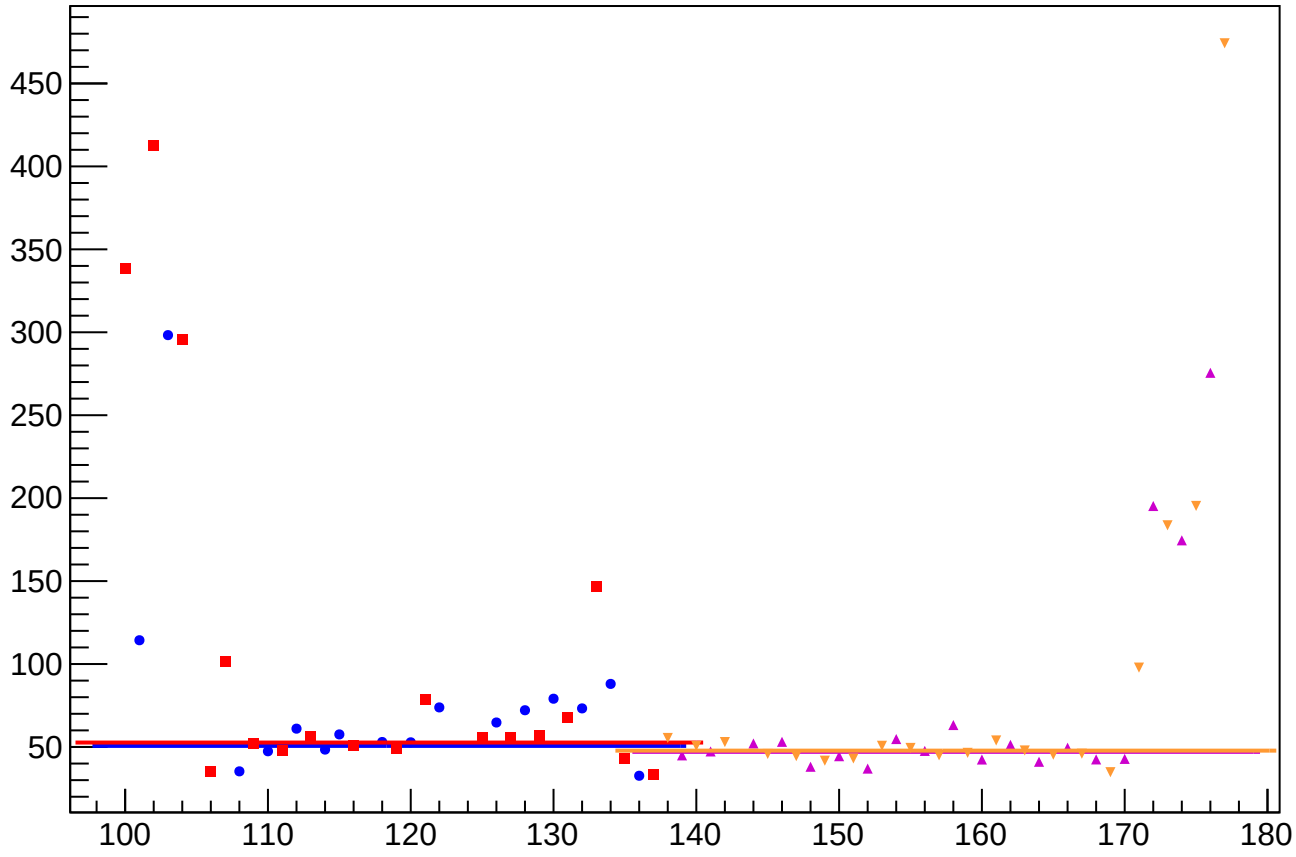
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.014 χ^2/NDF:8.9/18

+ sign -0.026+/-0.012 χ^2/NDF: 31.2/35

All: -0.013+/-0.008 χ^2/NDF: 59.9/72

- sign 0.000+/-0.012 χ^2/NDF: 26.2/36



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.794+/-0.010 χ^2/NDF:3500704.6/19

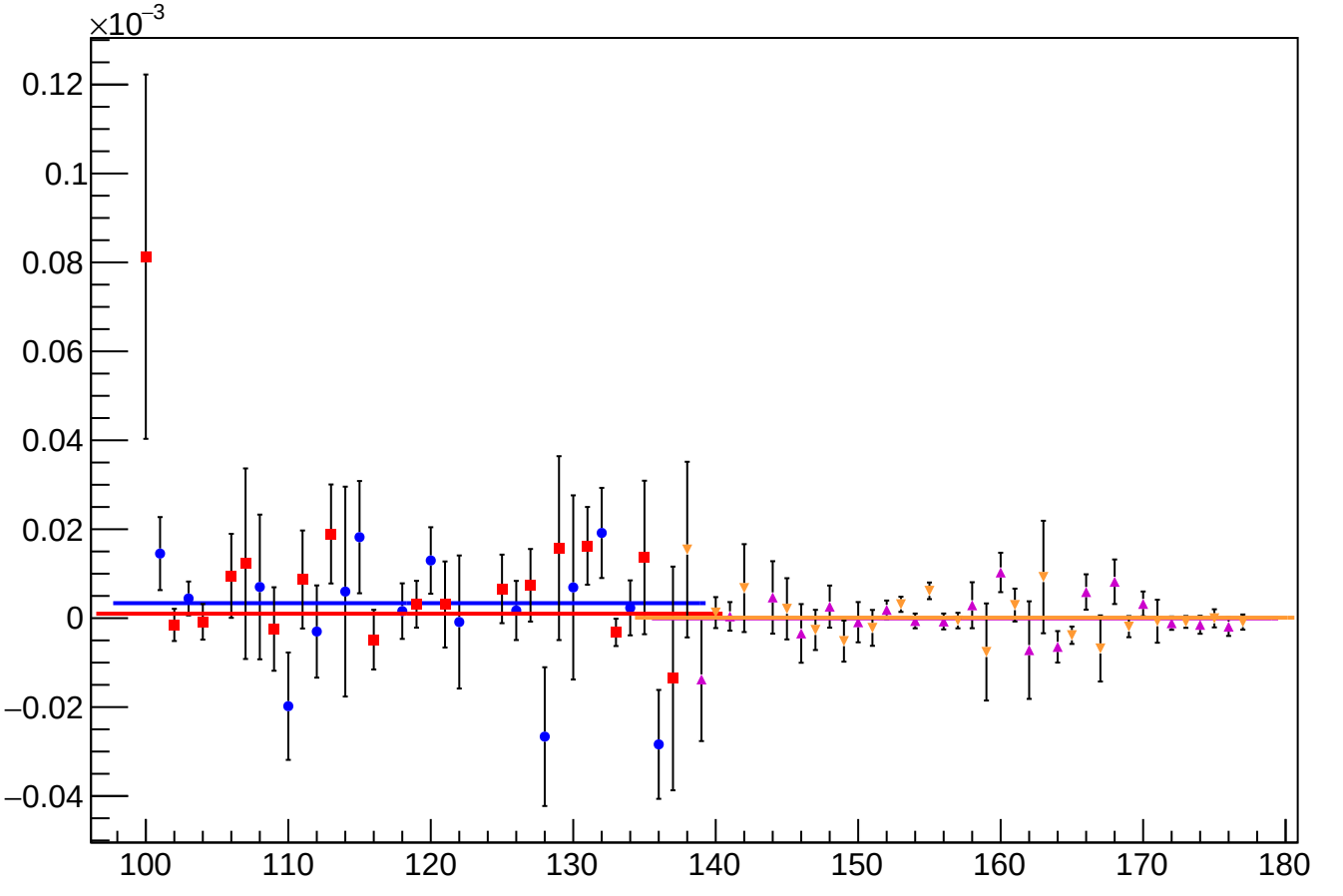
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.053+/-0.010 χ^2/NDF:3048256.8/18

\+ sign 48.618+/-0.008 χ^2/NDF: 5791318.1/35

All: 48.554+/-0.006 χ^2/NDF: 11139399.3/72

\- sign 48.490+/-0.008 χ^2/NDF: 5347961.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/19

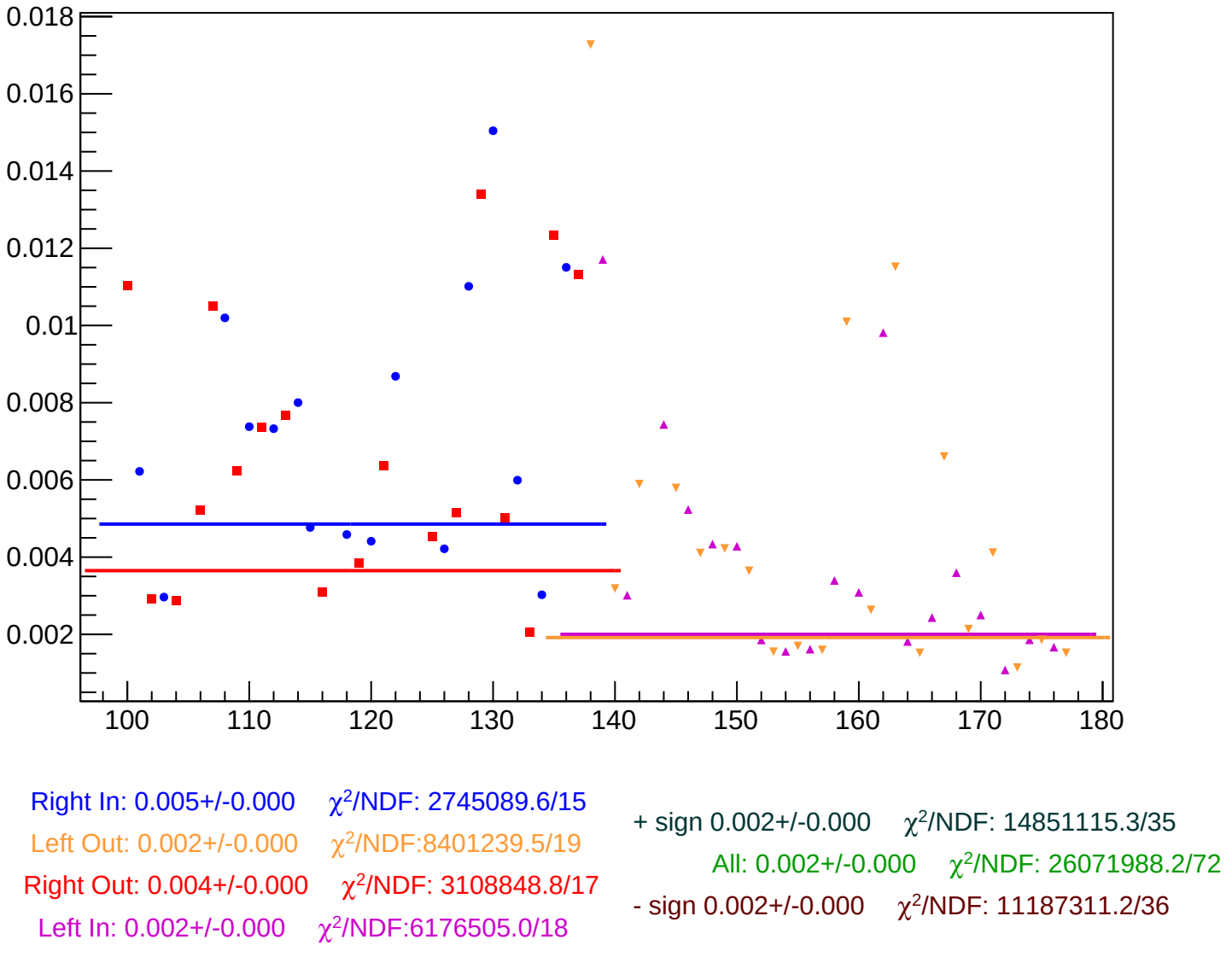
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

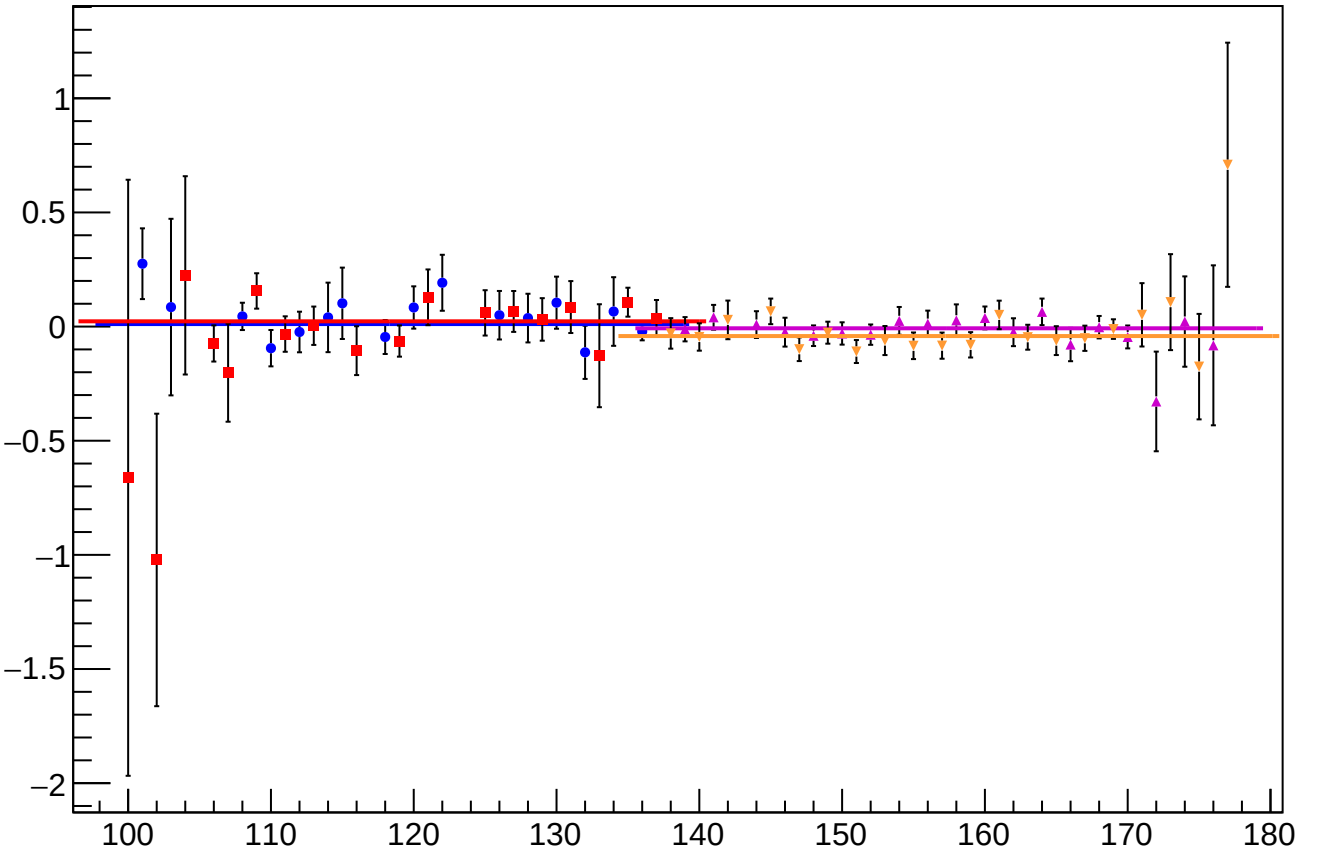
Left In: -0.000+/-0.000 χ^2/NDF:20.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 49.6/35

All: 0.000+/-0.000 χ^2/NDF: 87.9/72

- sign 0.000+/-0.000 χ^2/NDF: 38.2/36


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:8401239.5/19
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:6176505.0/18
+ sign 0.002+/-0.000 χ²/NDF: 14851115.3/35
All: 0.002+/-0.000 χ²/NDF: 26071988.2/72
- sign 0.002+/-0.000 χ²/NDF: 11187311.2/36



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.4/19

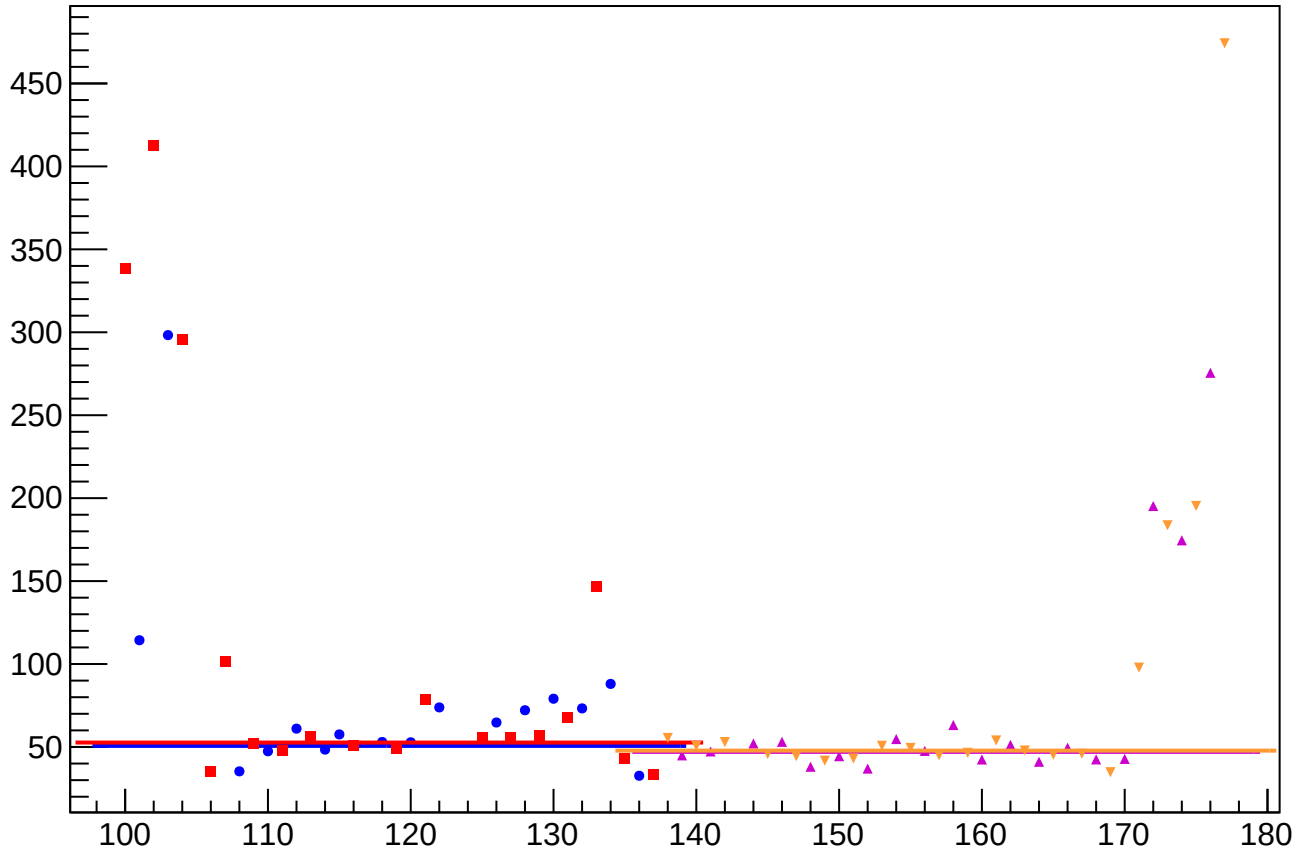
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.008+/-0.014 χ^2/NDF:8.9/18

+ sign -0.026+/-0.012 χ^2/NDF: 31.2/35

All: -0.013+/-0.008 χ^2/NDF: 59.9/72

- sign 0.000+/-0.012 χ^2/NDF: 26.2/36



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.793+/-0.010 χ^2/NDF:3500723.8/19

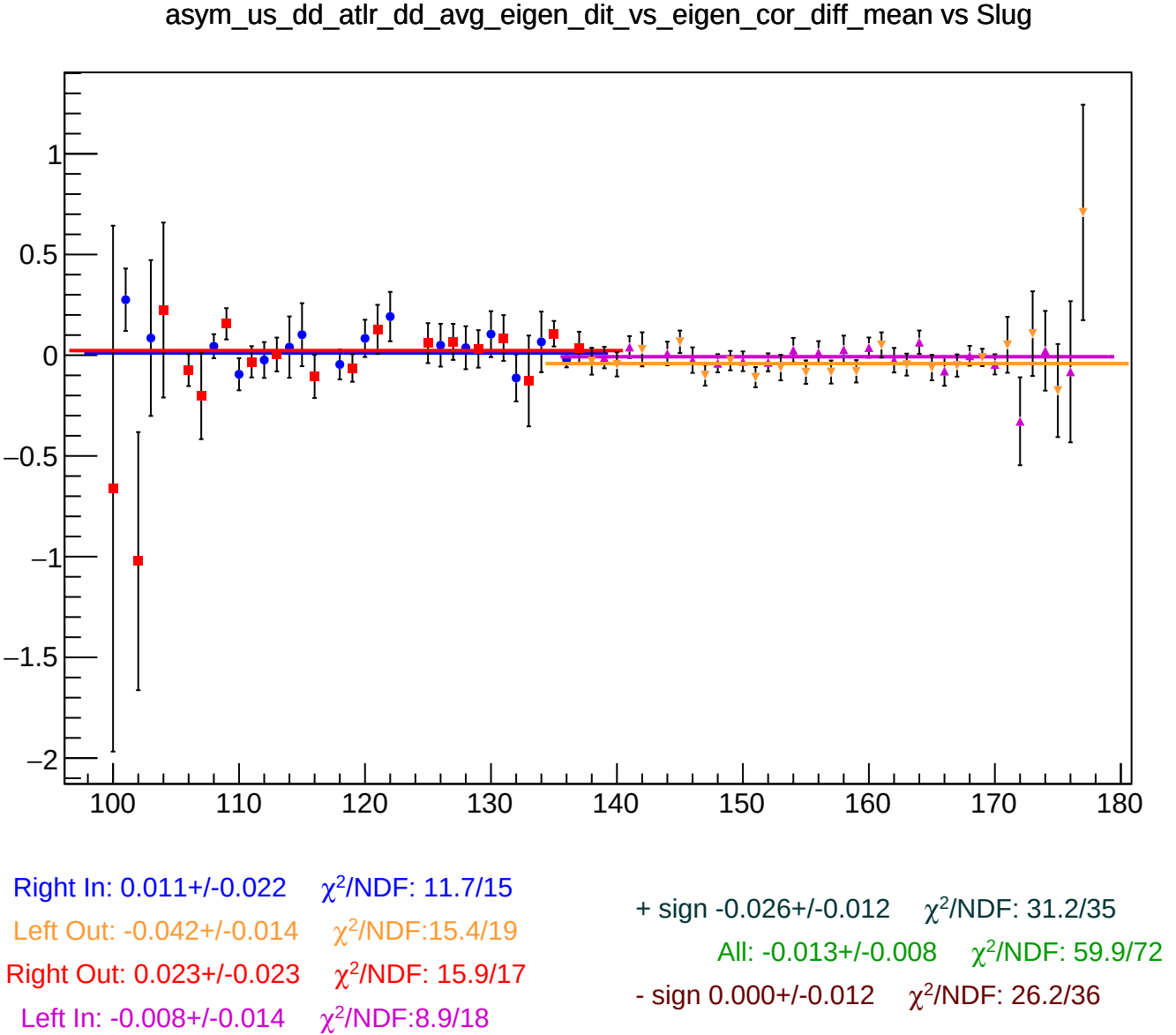
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

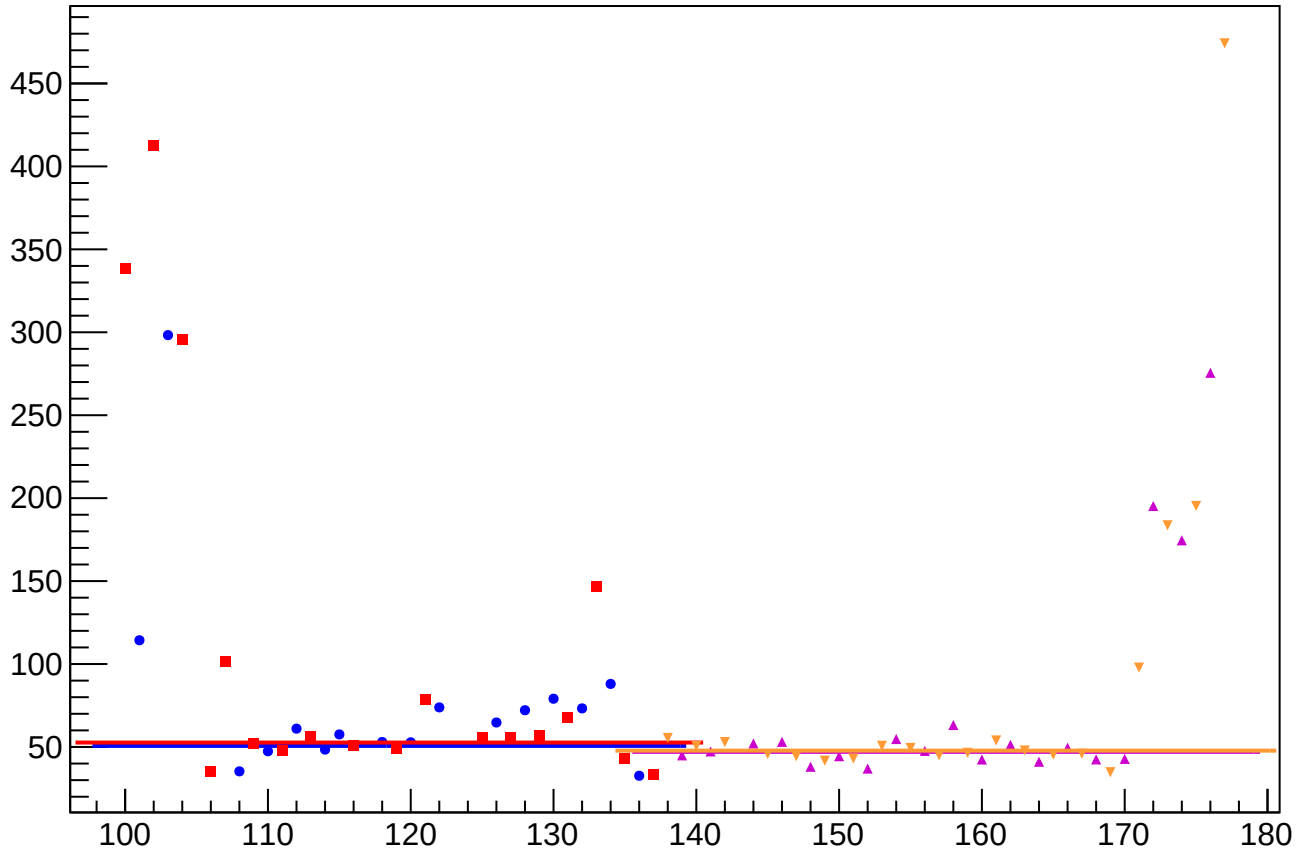
Left In: 47.053+/-0.010 χ^2/NDF:3048194.9/18

\+ sign 48.618+/-0.008 χ^2/NDF: 5791253.5/35

All: 48.554+/-0.006 χ^2/NDF: 11139171.8/72

\- sign 48.490+/-0.008 χ^2/NDF: 5347799.7/36


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.042+/-0.014 χ²/NDF:15.4/19
Right Out: 0.023+/-0.023 χ²/NDF: 15.9/17
Left In: -0.008+/-0.014 χ²/NDF:8.9/18
+ sign -0.026+/-0.012 χ²/NDF: 31.2/35
All: -0.013+/-0.008 χ²/NDF: 59.9/72
- sign 0.000+/-0.012 χ²/NDF: 26.2/36



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.793+/-0.010 χ^2/NDF:3500723.8/19

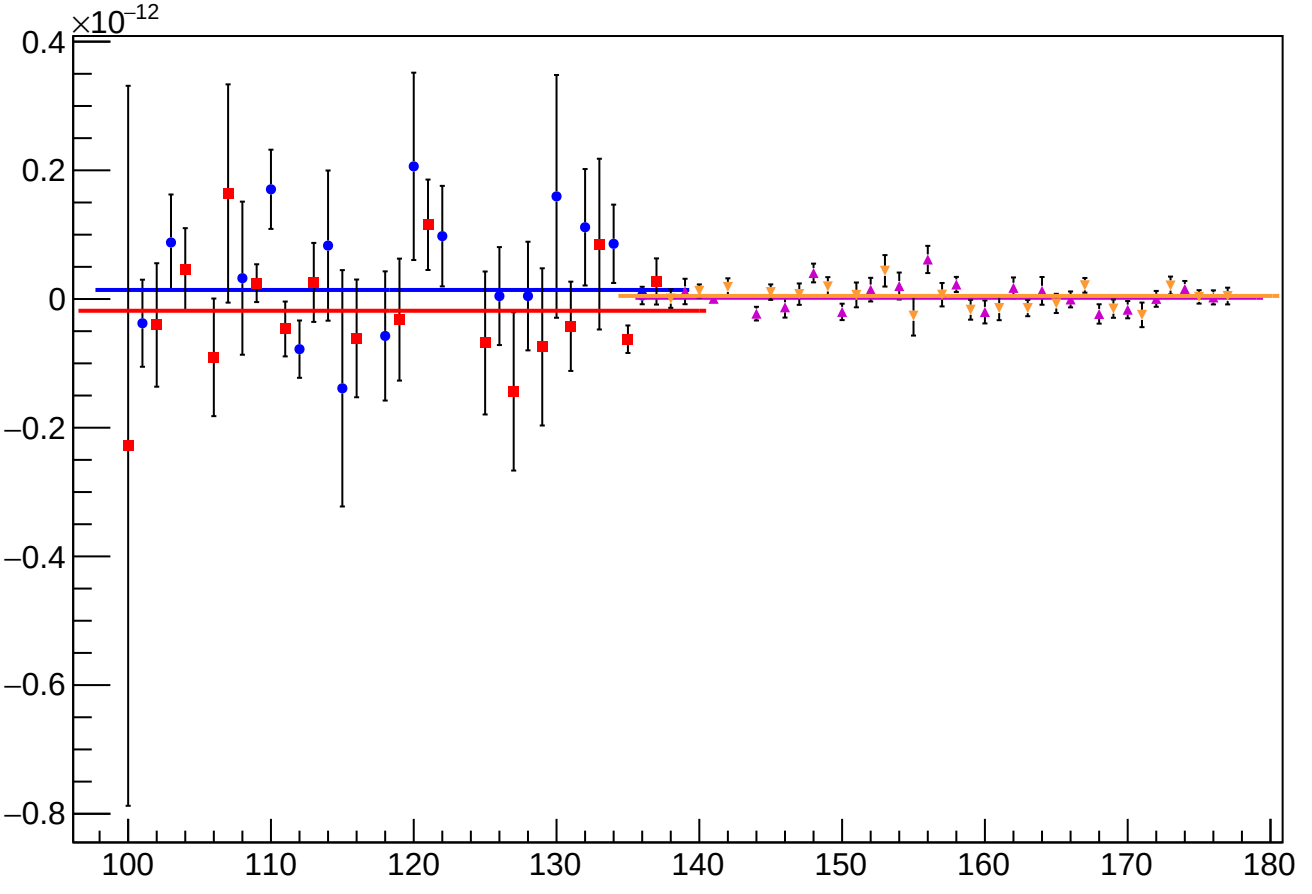
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.053+/-0.010 χ^2/NDF:3048194.9/18

\+ sign 48.618+/-0.008 χ^2/NDF: 5791253.5/35

All: 48.554+/-0.006 χ^2/NDF: 11139171.8/72

\- sign 48.490+/-0.008 χ^2/NDF: 5347799.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/19

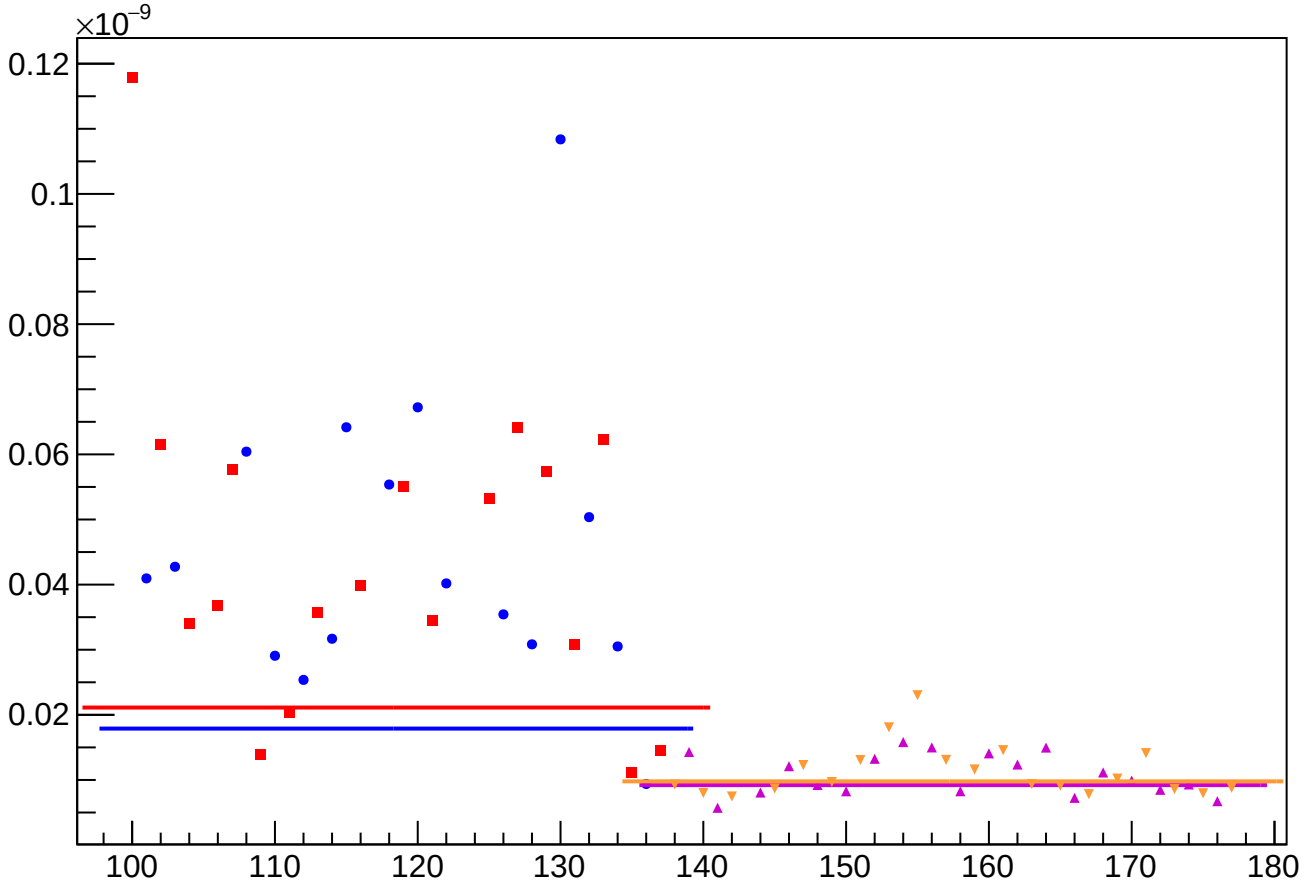
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:37.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/35

All: 0.000+/-0.000 χ^2/NDF: 100.1/72

- sign 0.000+/-0.000 χ^2/NDF: 57.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1323173.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

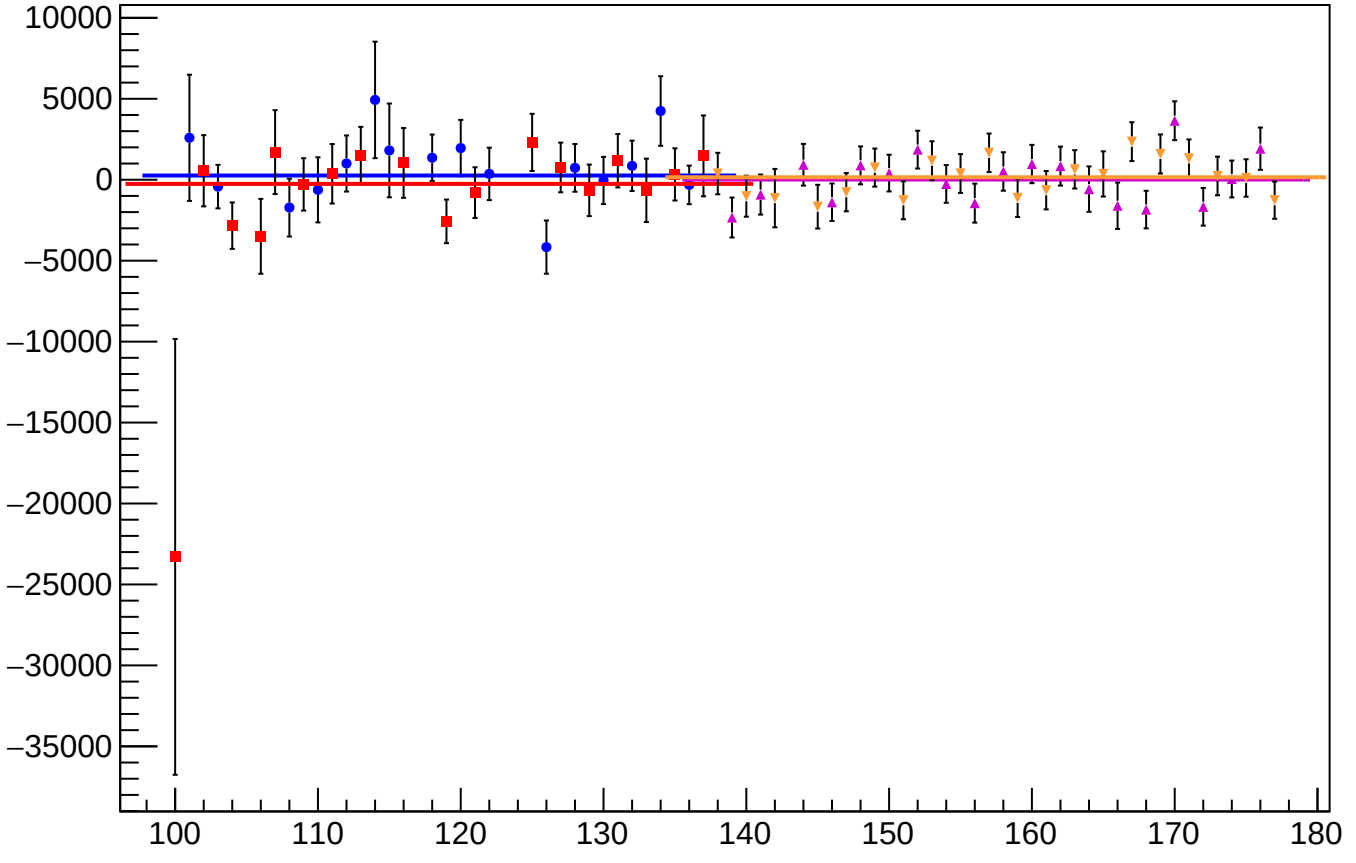
Left In: 0.000+/-0.000 χ^2/NDF:1650222.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 5670557.7/35

All: 0.000+/-0.000 χ^2/NDF: 11670710.4/72

- sign 0.000+/-0.000 χ^2/NDF: 5974076.8/36

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 151.649+/-273.918 χ^2/NDF:17.0/19

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

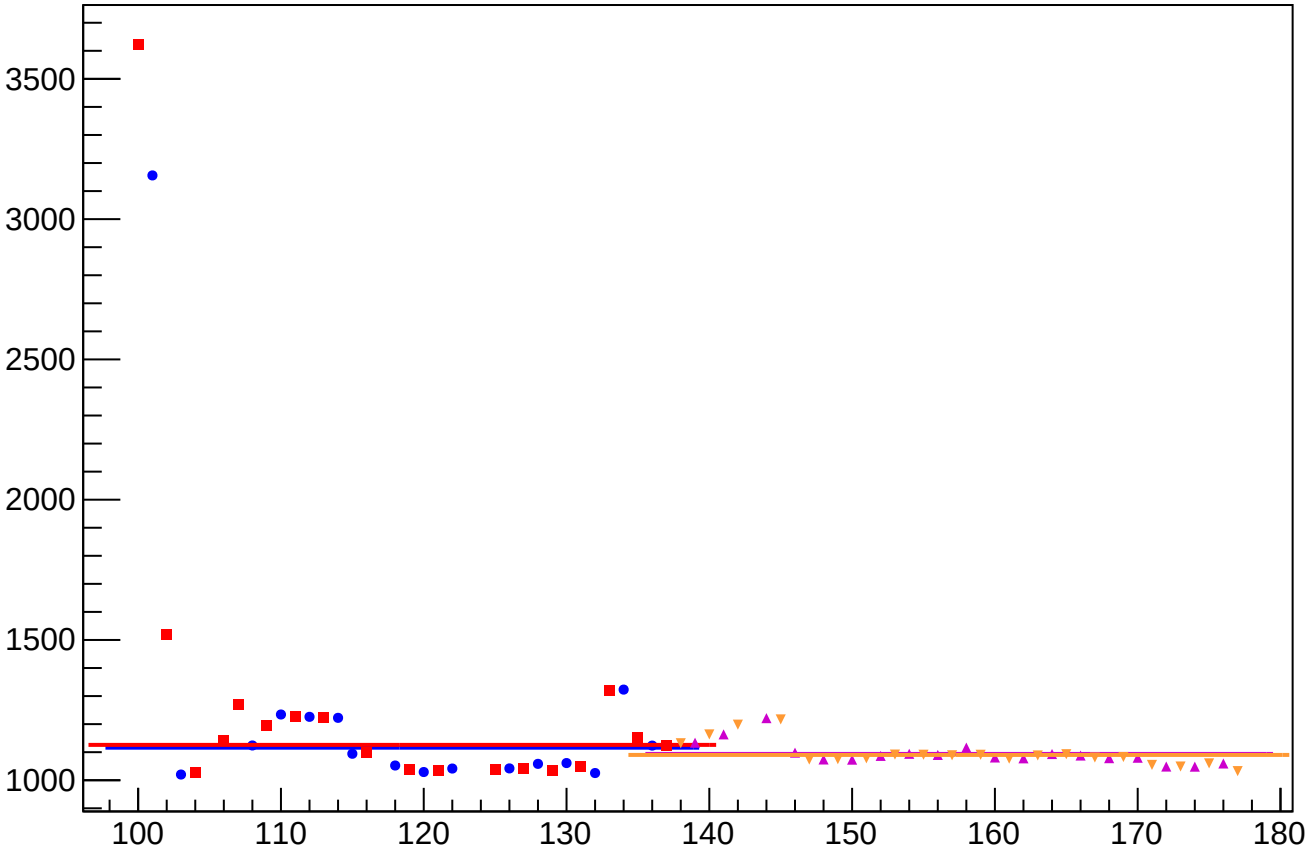
Left In: 12.753+/-277.626 χ^2/NDF:29.6/18

+ sign 183.719+/-230.186 χ^2/NDF: 34.0/35

All: 59.446+/-163.598 χ^2/NDF: 81.8/72

- sign -67.401+/-232.557 χ^2/NDF: 47.2/36

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1090.237+/-0.194 χ^2/NDF:45537.4/19

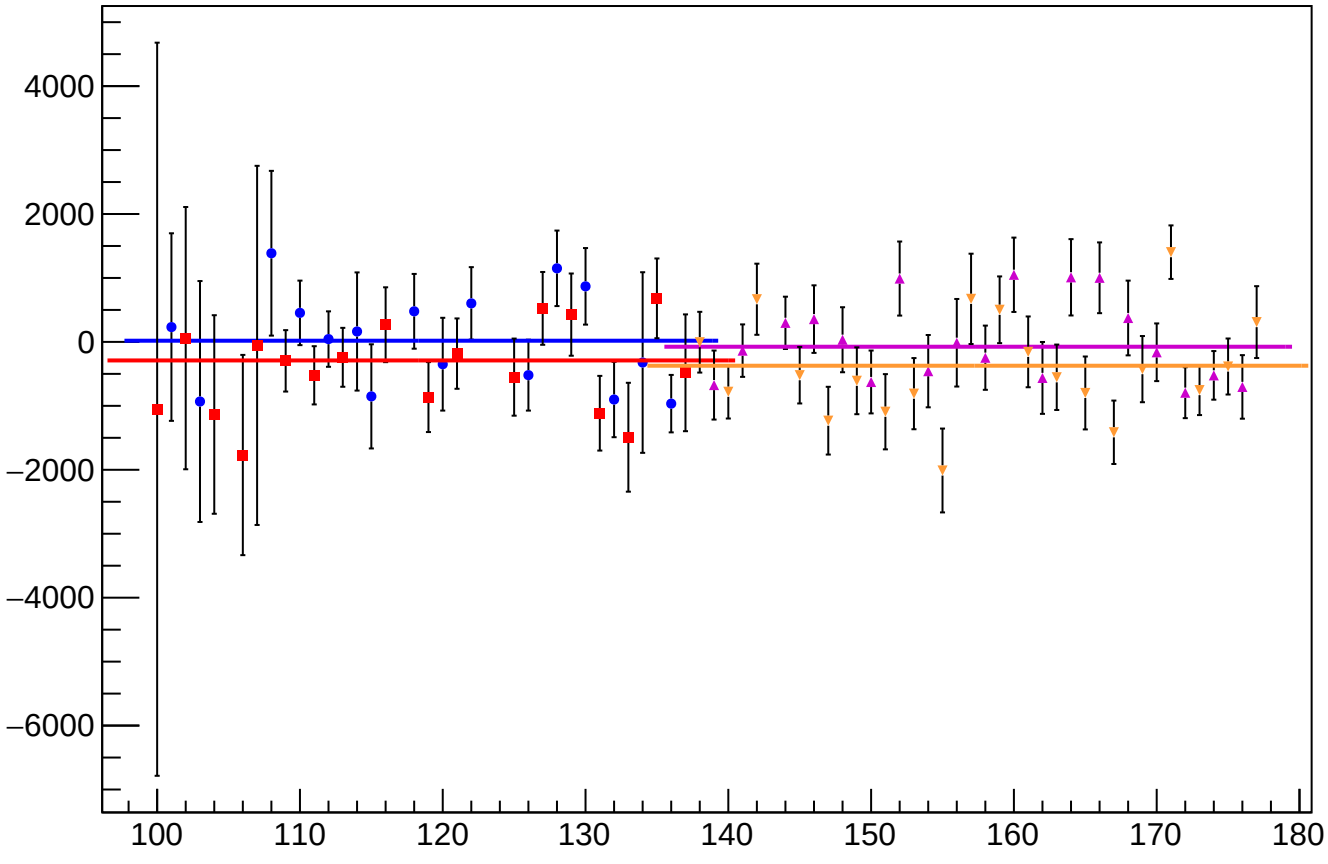
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

\+ sign 1097.833+/-0.163 χ^2/NDF: 674162.7/35

All: 1100.575+/-0.116 χ^2/NDF: 943762.7/72

\- sign 1103.374+/-0.164 χ^2/NDF: 269026.5/36



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -372.630+/-112.906 χ^2/NDF:47.0/19

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

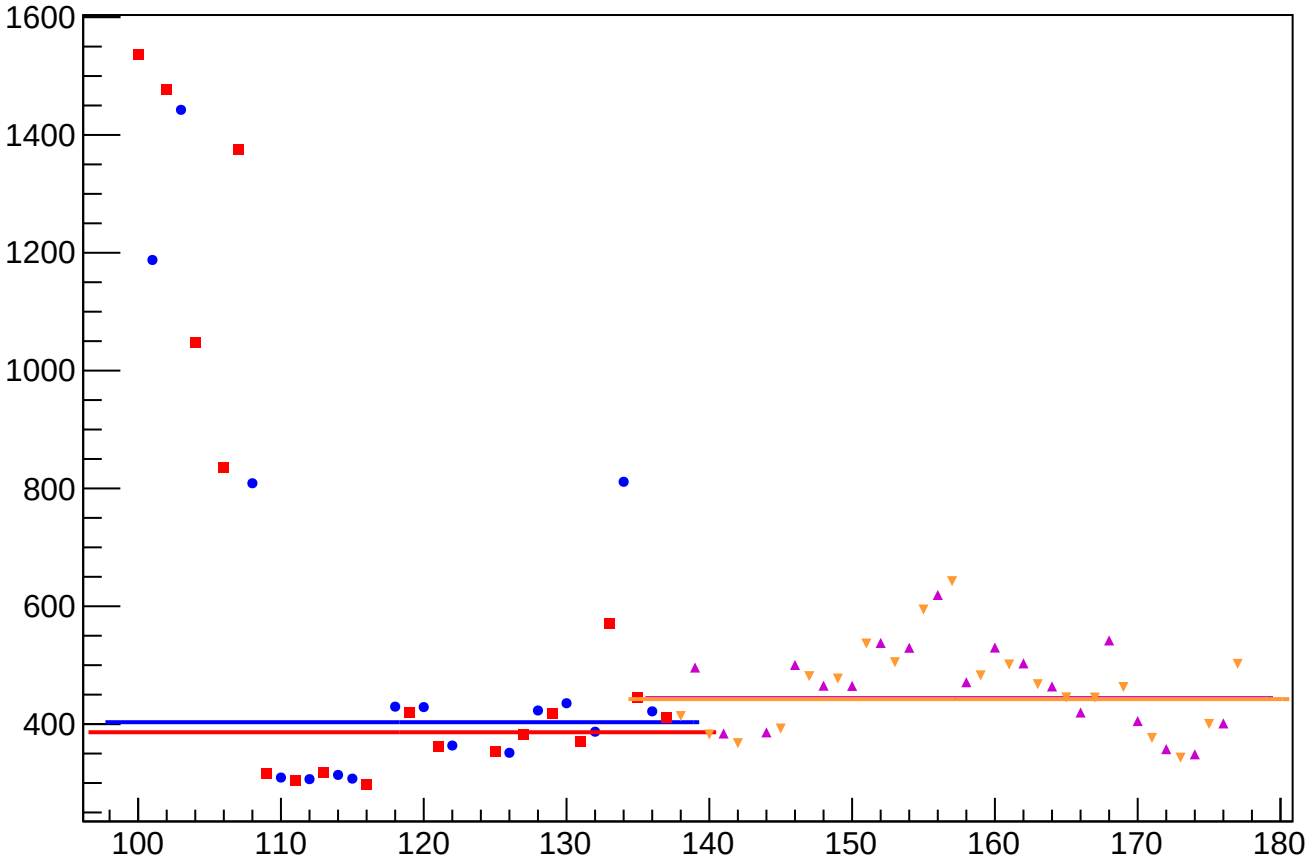
Left In: -75.552+/-114.346 χ^2/NDF:26.5/18

+ sign -243.953+/-92.485 χ^2/NDF: 70.2/35

All: -197.046+/-65.318 χ^2/NDF: 111.9/72

- sign -150.363+/-92.263 χ^2/NDF: 41.2/36

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 442.397+/-0.080 χ^2/NDF:737502.1/19

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

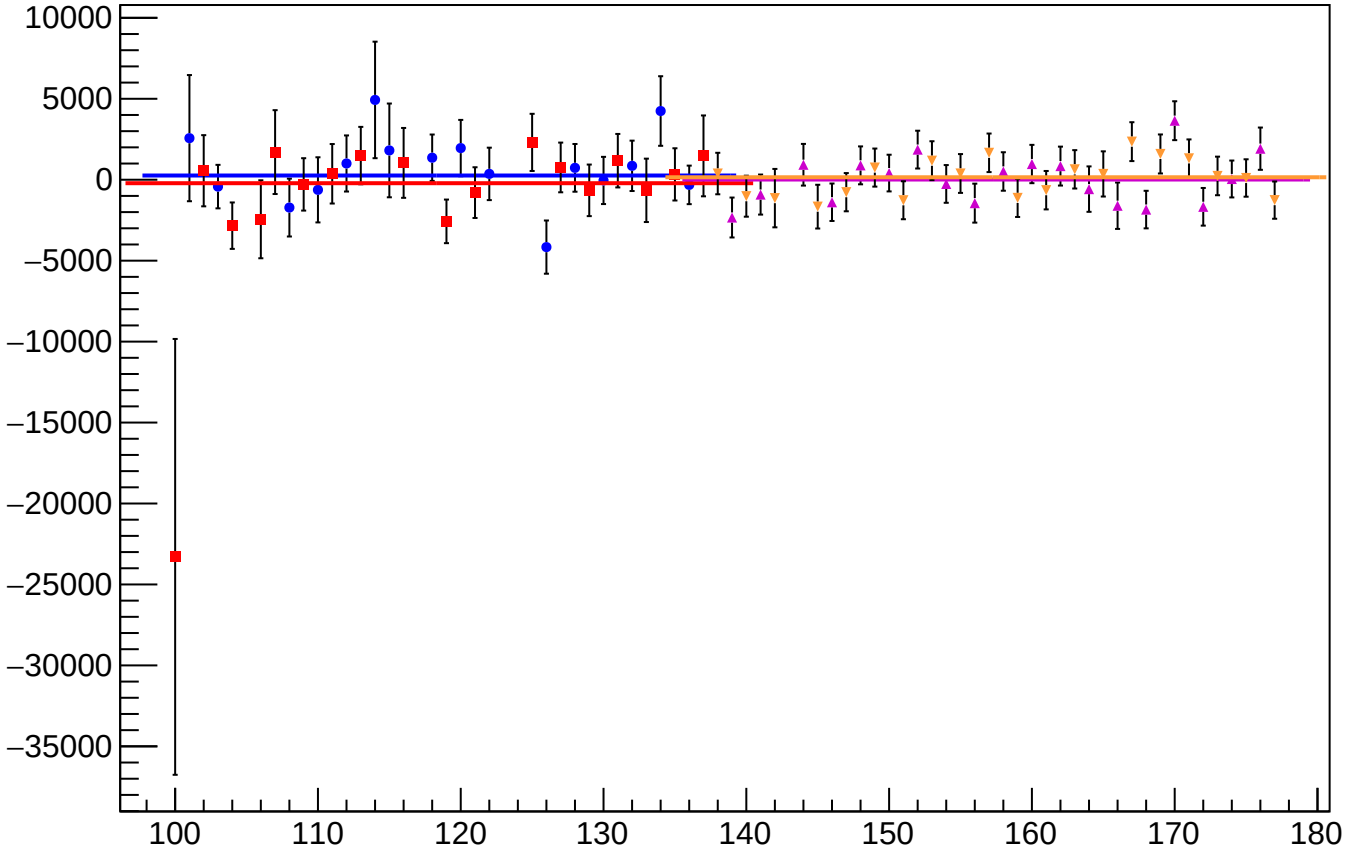
Left In: 444.129+/-0.081 χ^2/NDF:744335.0/18

+ sign 429.499+/-0.065 χ^2/NDF: 2625265.6/35

All: 426.691+/-0.046 χ^2/NDF: 5311842.9/72

- sign 423.896+/-0.065 χ^2/NDF: 2682898.7/36

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 151.673+/-273.918 χ^2/NDF:17.0/19

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

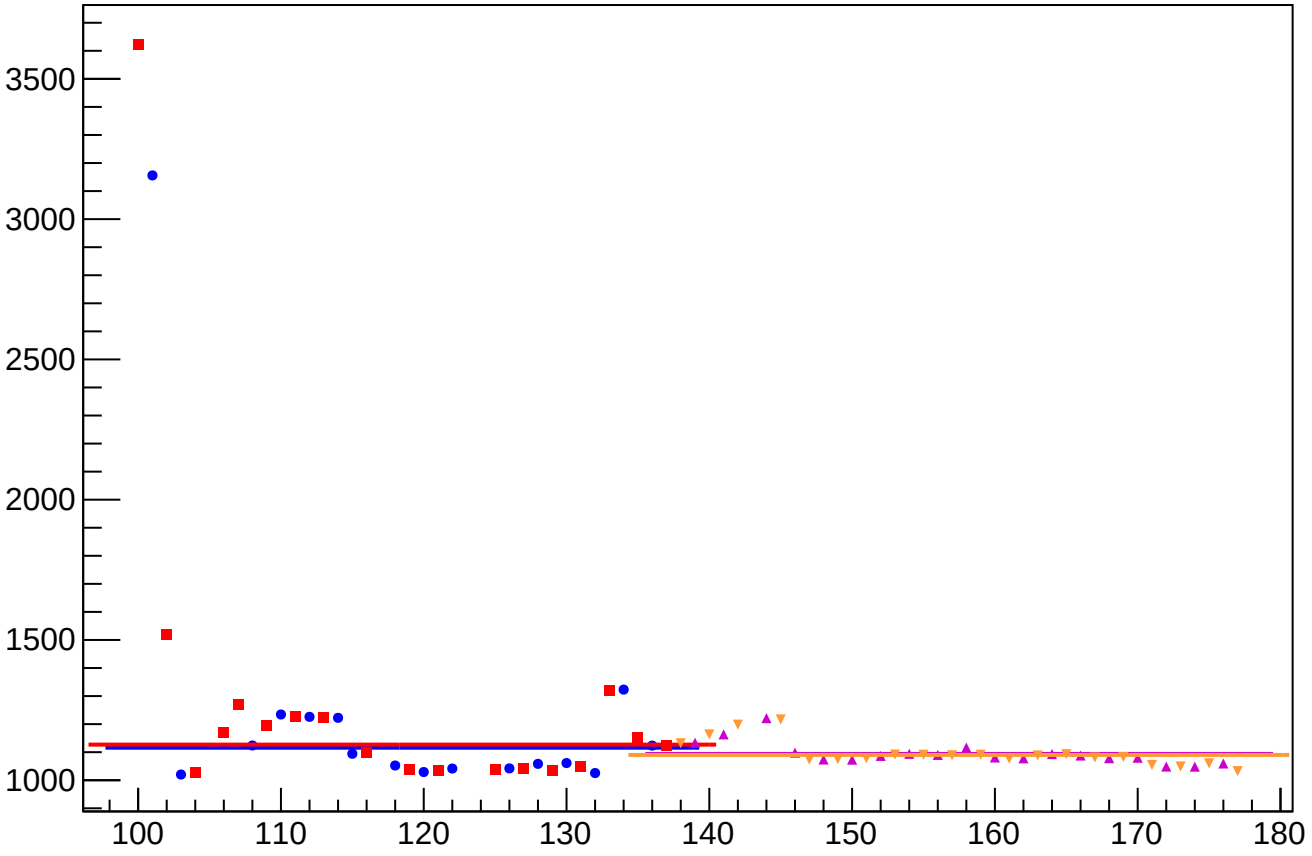
Left In: 12.754+/-277.626 χ^2/NDF:29.6/18

+ sign 183.623+/-230.186 χ^2/NDF: 34.0/35

All: 65.622+/-163.630 χ^2/NDF: 80.5/72

- sign -54.916+/-232.648 χ^2/NDF: 46.0/36

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1090.237+/-0.194 χ^2/NDF:45537.4/19

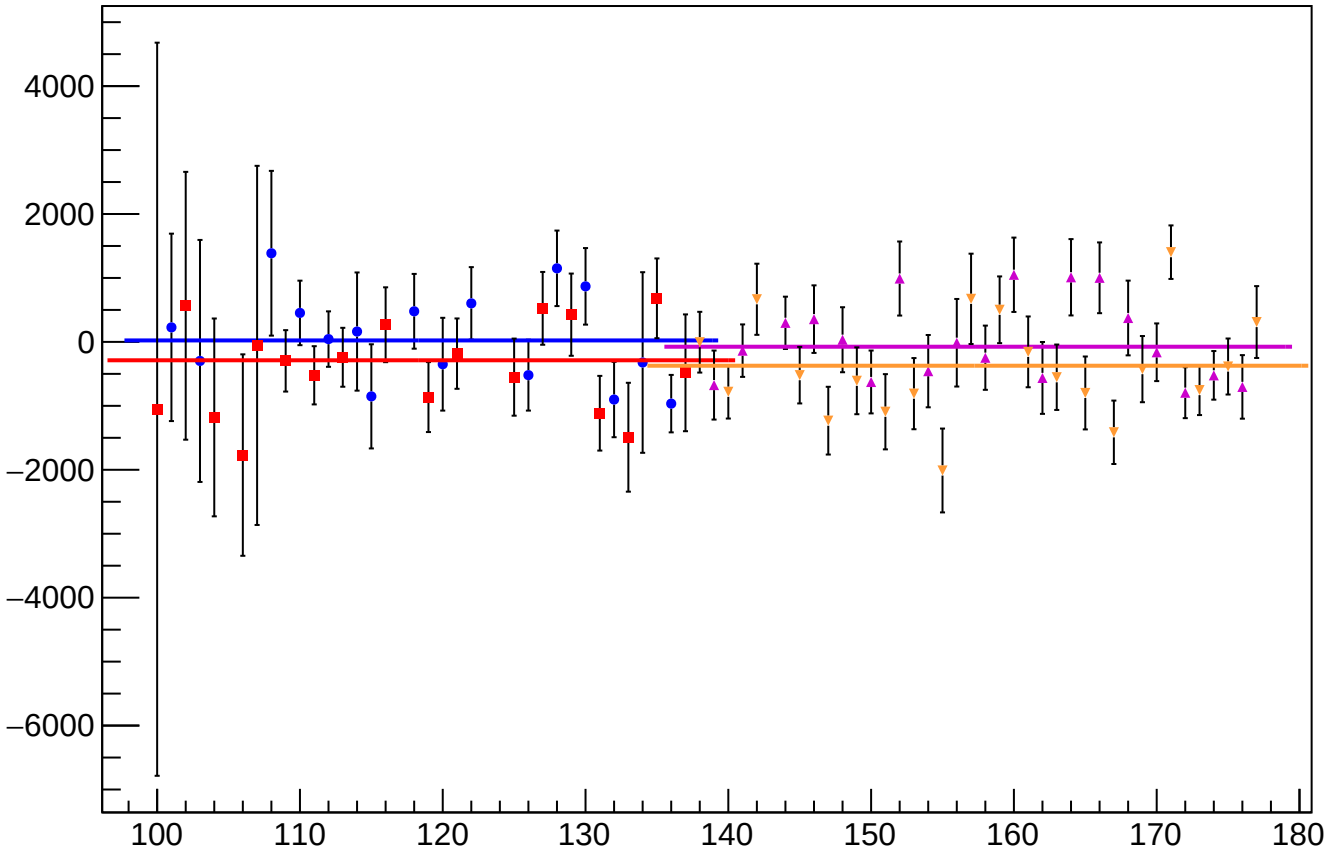
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

+ sign 1097.833+/-0.163 χ^2/NDF: 674163.6/35

All: 1100.704+/-0.116 χ^2/NDF: 944916.7/72

- sign 1103.638+/-0.165 χ^2/NDF: 270123.9/36



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -372.654+/-112.905 χ^2/NDF:47.0/19

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

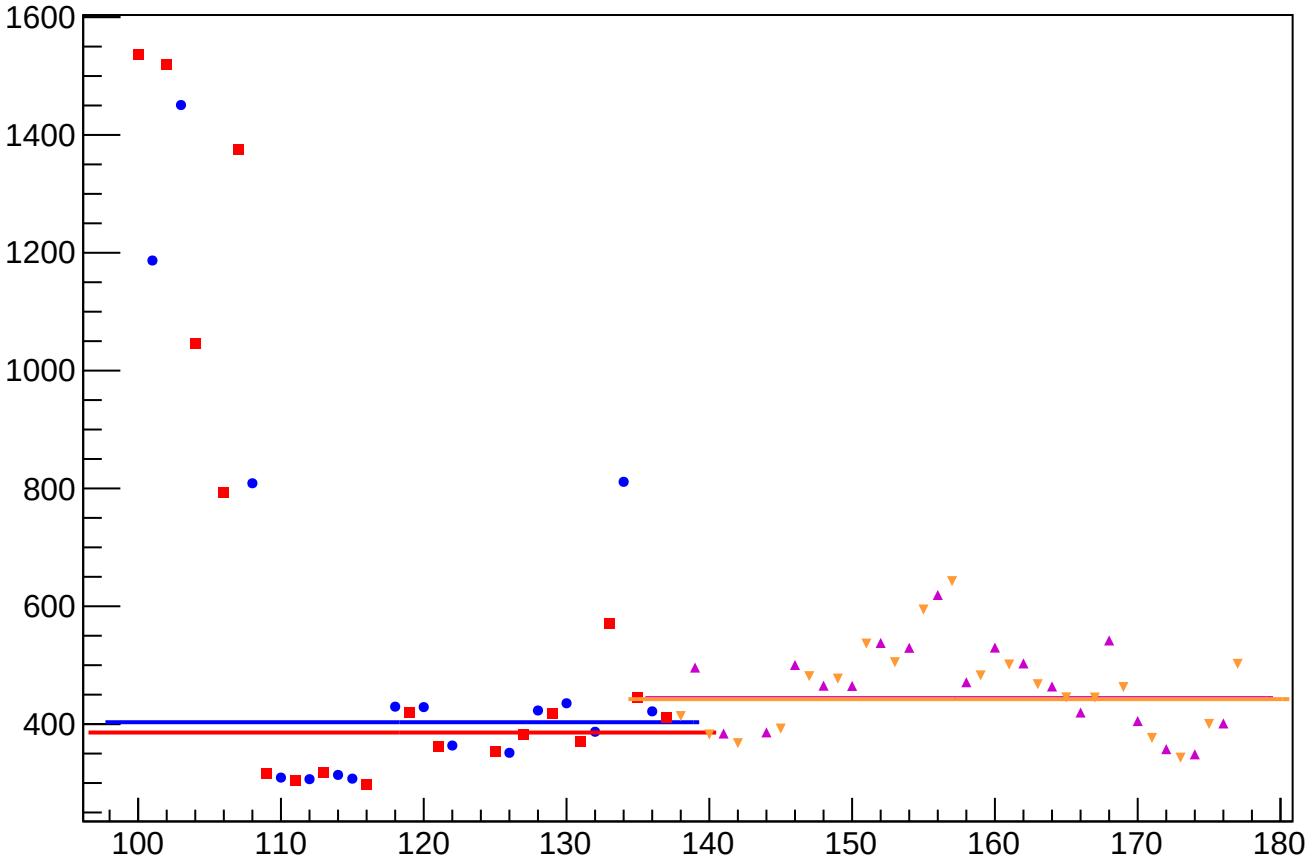
Left In: -75.538+/-114.346 χ^2/NDF:26.5/18

+ sign -242.505+/-92.485 χ^2/NDF: 70.0/35

All: -195.907+/-65.320 χ^2/NDF: 111.9/72

- sign -149.527+/-92.268 χ^2/NDF: 41.4/36

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: 442.393+/-0.080 χ^2/NDF:737583.8/19

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

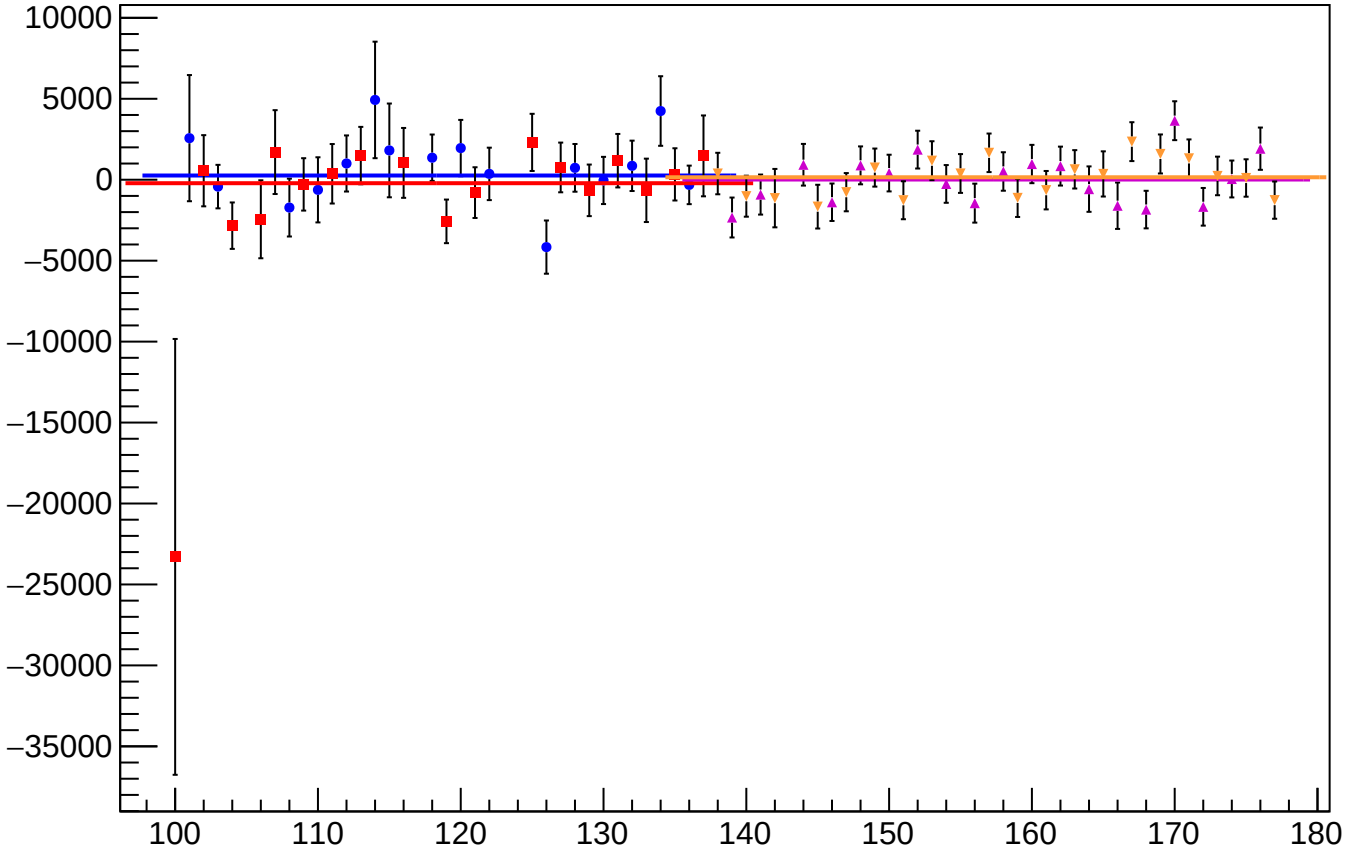
Left In: 444.130+/-0.081 χ^2/NDF:744218.9/18

+ sign 429.492+/-0.065 χ^2/NDF: 2629059.8/35

All: 426.609+/-0.046 χ^2/NDF: 5306621.2/72

- sign 423.739+/-0.065 χ^2/NDF: 2673681.8/36

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 151.673+/-273.918 χ^2/NDF:17.0/19

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

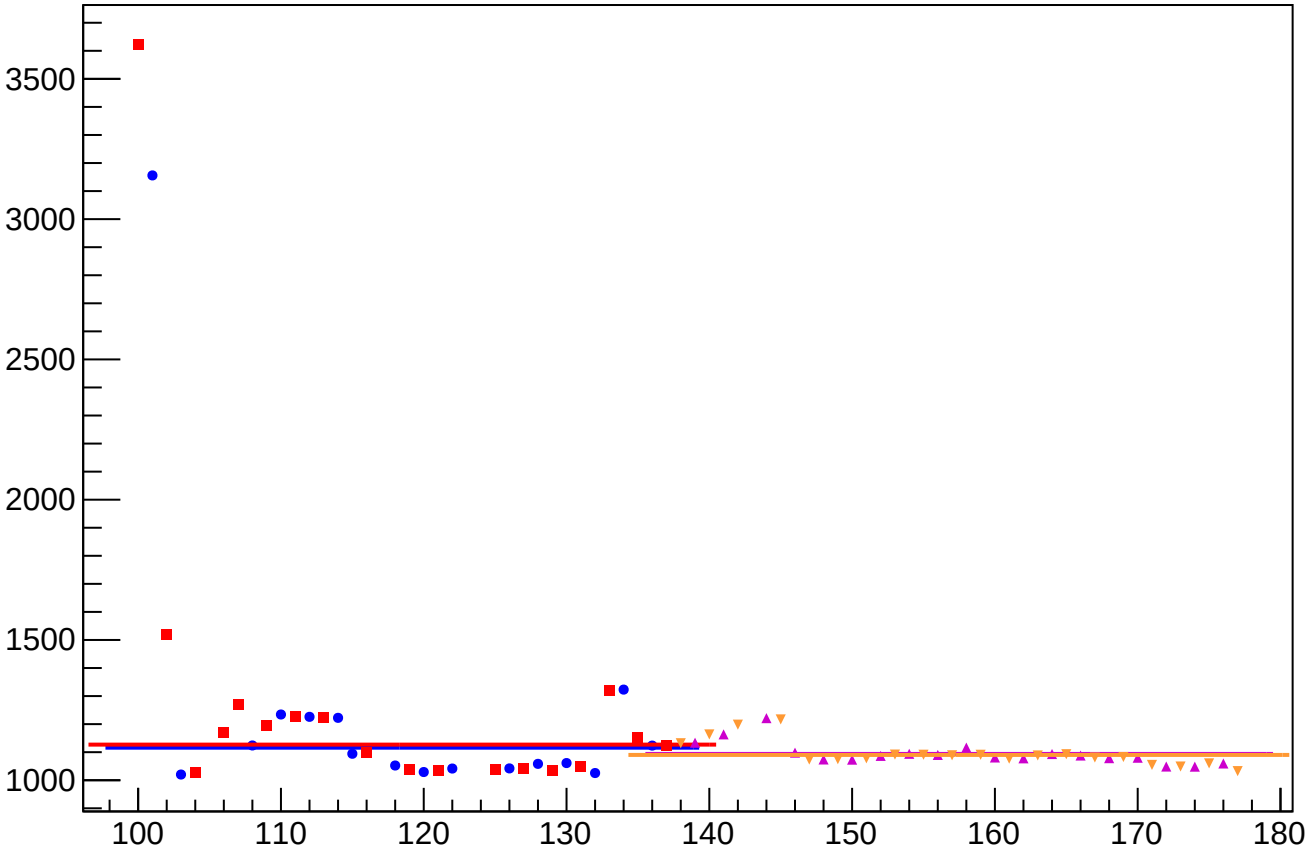
Left In: 12.754+/-277.626 χ^2/NDF:29.6/18

+ sign 183.623+/-230.186 χ^2/NDF: 34.0/35

All: 65.622+/-163.630 χ^2/NDF: 80.5/72

- sign -54.916+/-232.648 χ^2/NDF: 46.0/36

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: 1090.237+/-0.194 χ^2/NDF:45537.4/19

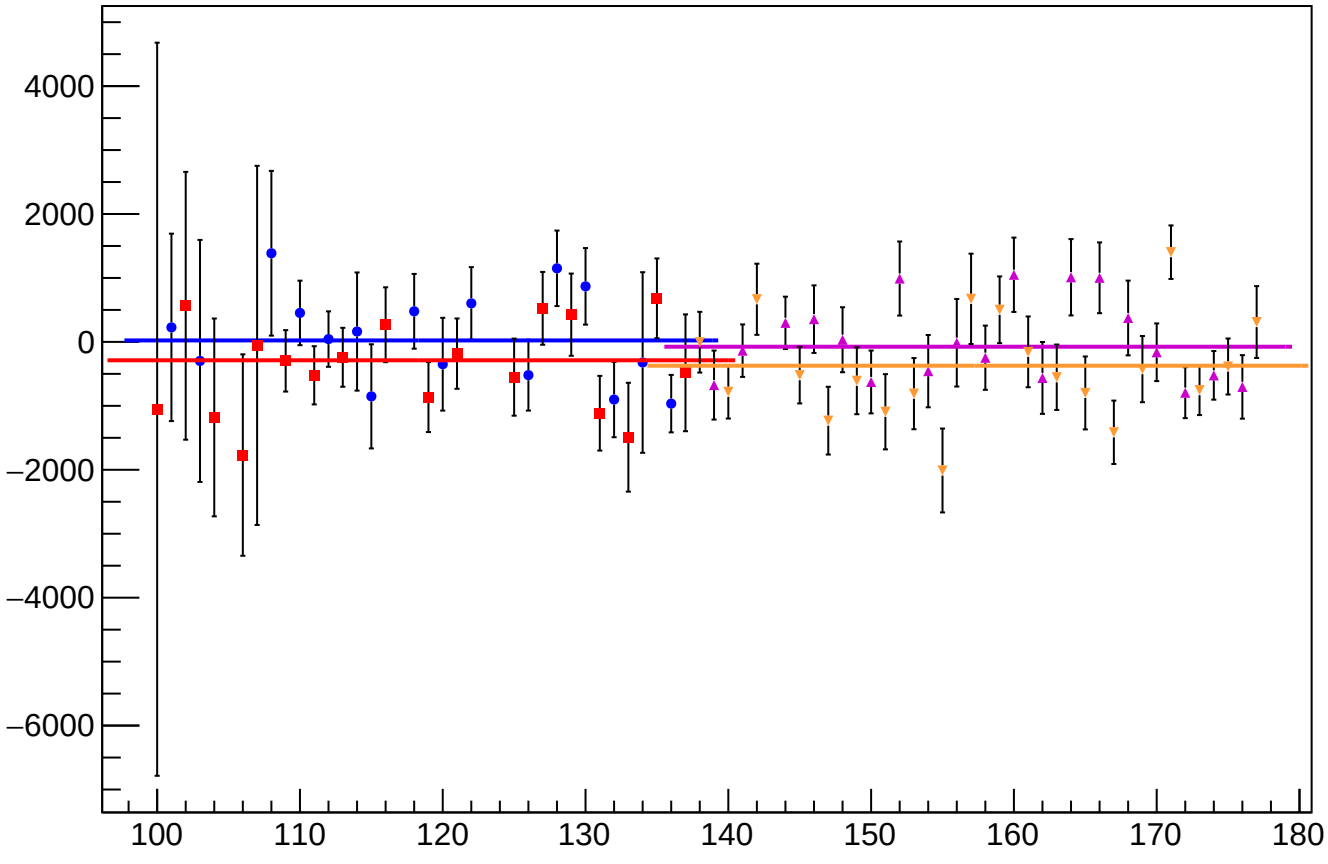
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

\+ sign 1097.833+/-0.163 χ^2/NDF: 674163.6/35

All: 1100.704+/-0.116 χ^2/NDF: 944916.7/72

\- sign 1103.638+/-0.165 χ^2/NDF: 270123.9/36



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -372.654+/-112.905 χ^2/NDF:47.0/19

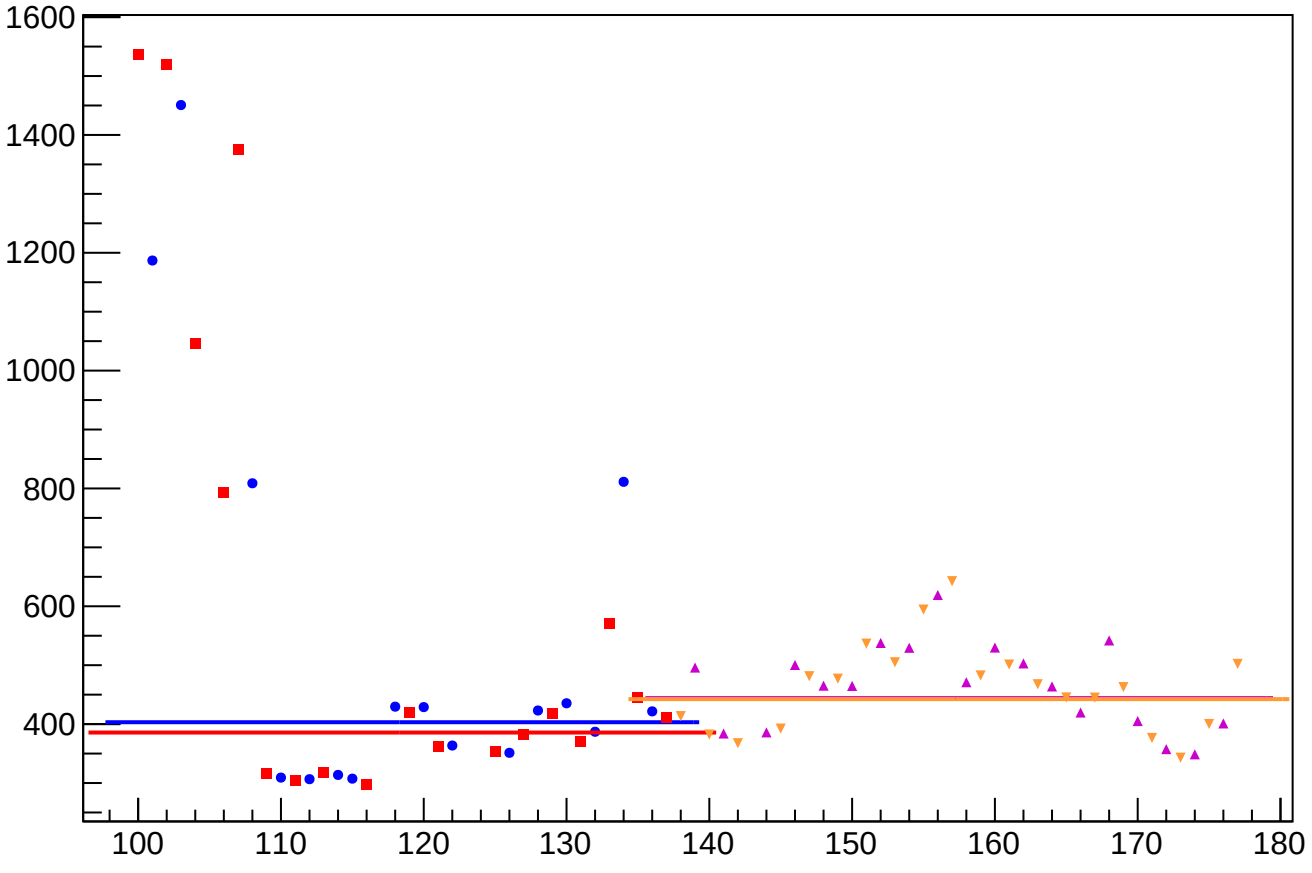
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -75.538+/-114.346 χ^2/NDF:26.5/18

+ sign -242.505+/-92.485 χ^2/NDF: 70.0/35

All: -195.907+/-65.320 χ^2/NDF: 111.9/72

- sign -149.527+/-92.268 χ^2/NDF: 41.4/36



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 442.393+/-0.080 χ^2/NDF:737583.8/19

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

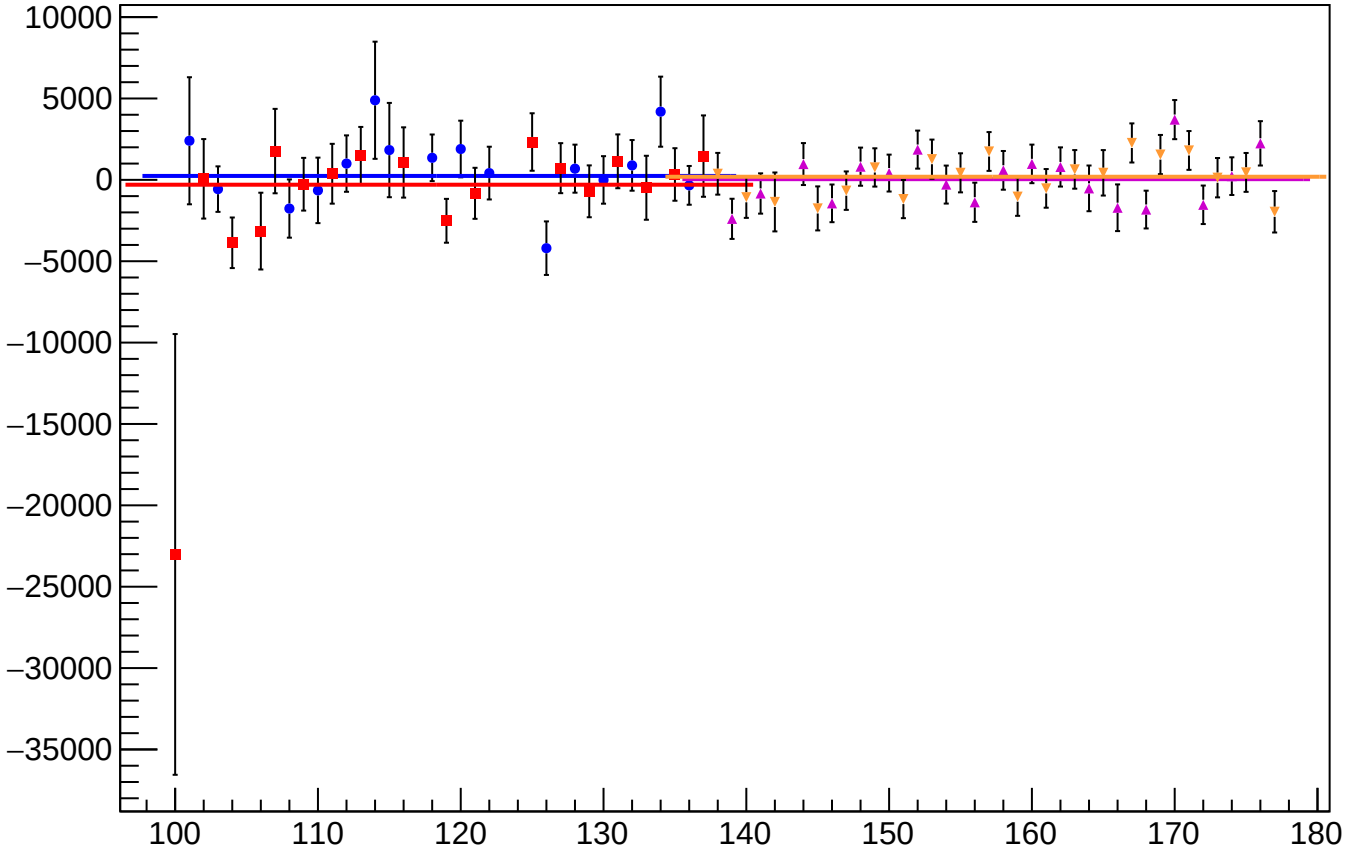
Left In: 444.130+/-0.081 χ^2/NDF:744218.9/18

+ sign 429.492+/-0.065 χ^2/NDF: 2629059.8/35

All: 426.609+/-0.046 χ^2/NDF: 5306621.2/72

- sign 423.739+/-0.065 χ^2/NDF: 2673681.8/36

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 190.590+/-276.594 χ^2/NDF:19.1/19

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

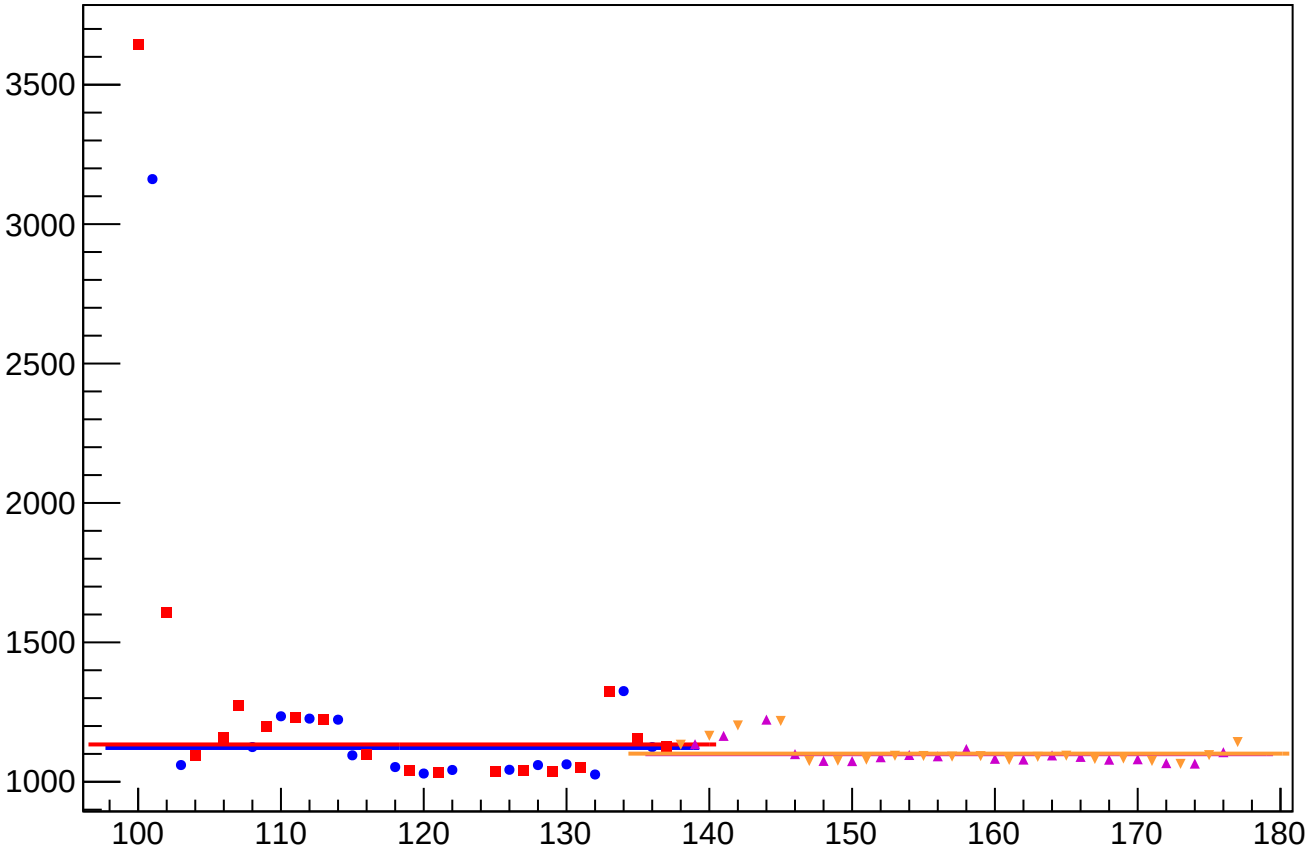
Left In: 42.380+/-278.923 χ^2/NDF:30.2/18

+ sign 205.459+/-232.080 χ^2/NDF: 36.1/35

All: 74.667+/-164.825 χ^2/NDF: 86.0/72

- sign -58.443+/-234.128 χ^2/NDF: 49.3/36

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1100.977+/-0.196 χ^2/NDF:37561.6/19

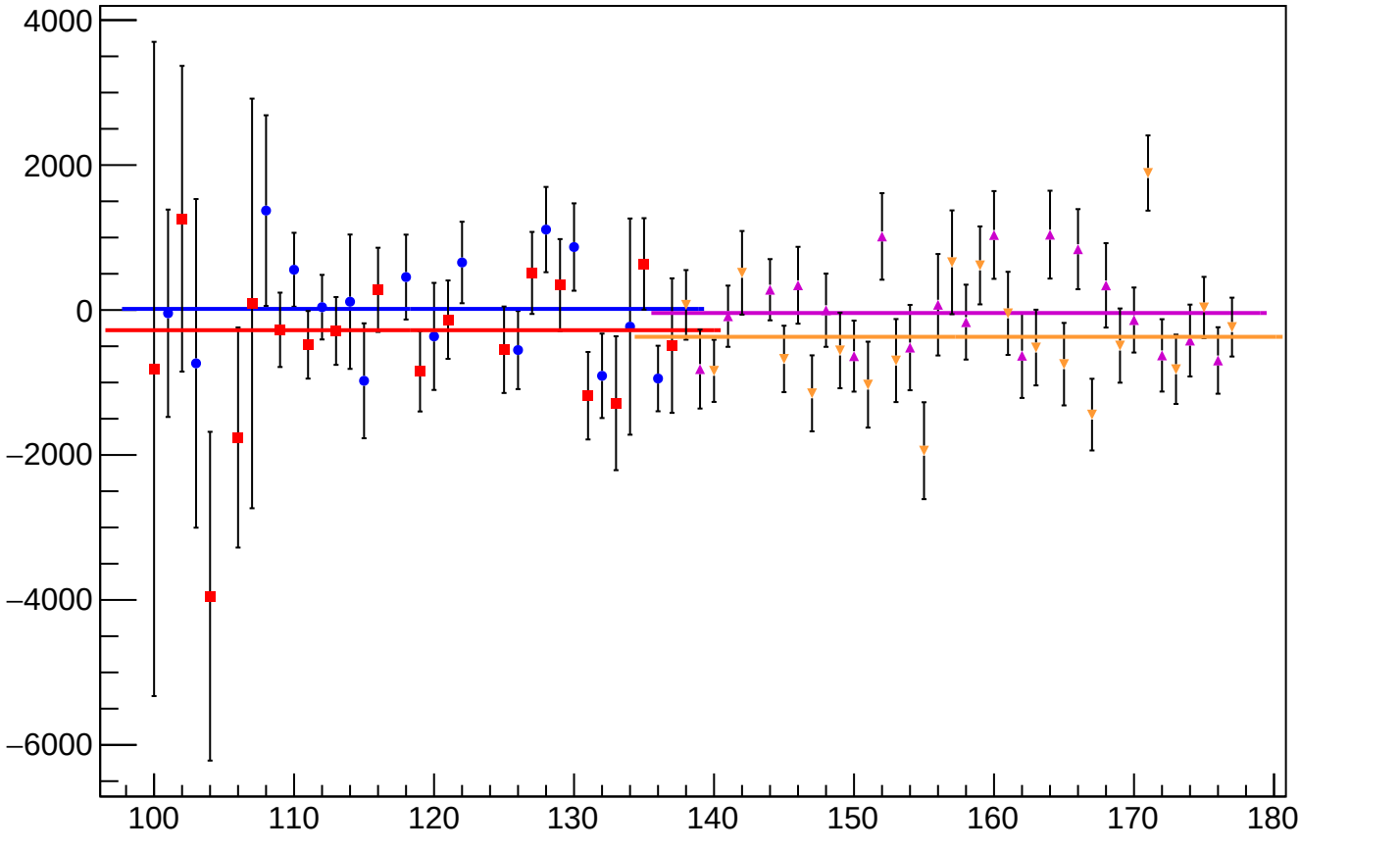
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.941+/-0.197 χ^2/NDF:33622.4/18

+ sign 1106.990+/-0.164 χ^2/NDF: 657783.9/35

All: 1108.123+/-0.117 χ^2/NDF: 928256.2/72

- sign 1109.277+/-0.166 χ^2/NDF: 270376.2/36



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -369.712+/-114.832 χ^2/NDF:46.1/19

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

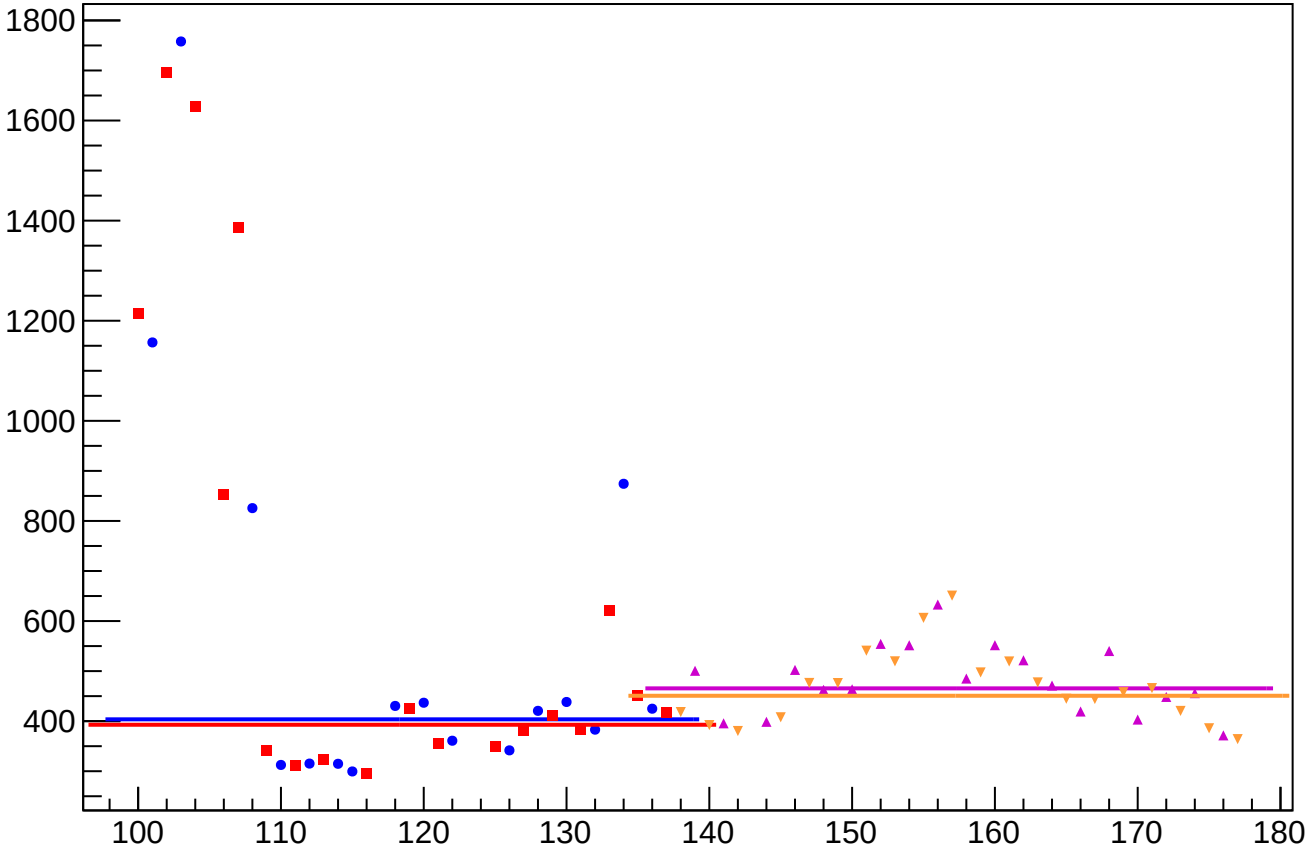
Left In: -41.185+/-119.425 χ^2/NDF:22.9/18

\+ sign -240.794+/-93.654 χ^2/NDF: 69.5/35

All: -184.885+/-66.850 χ^2/NDF: 109.6/72

\- sign -126.807+/-95.452 χ^2/NDF: 39.3/36

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 450.731+/-0.081 χ^2/NDF:640685.1/19

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

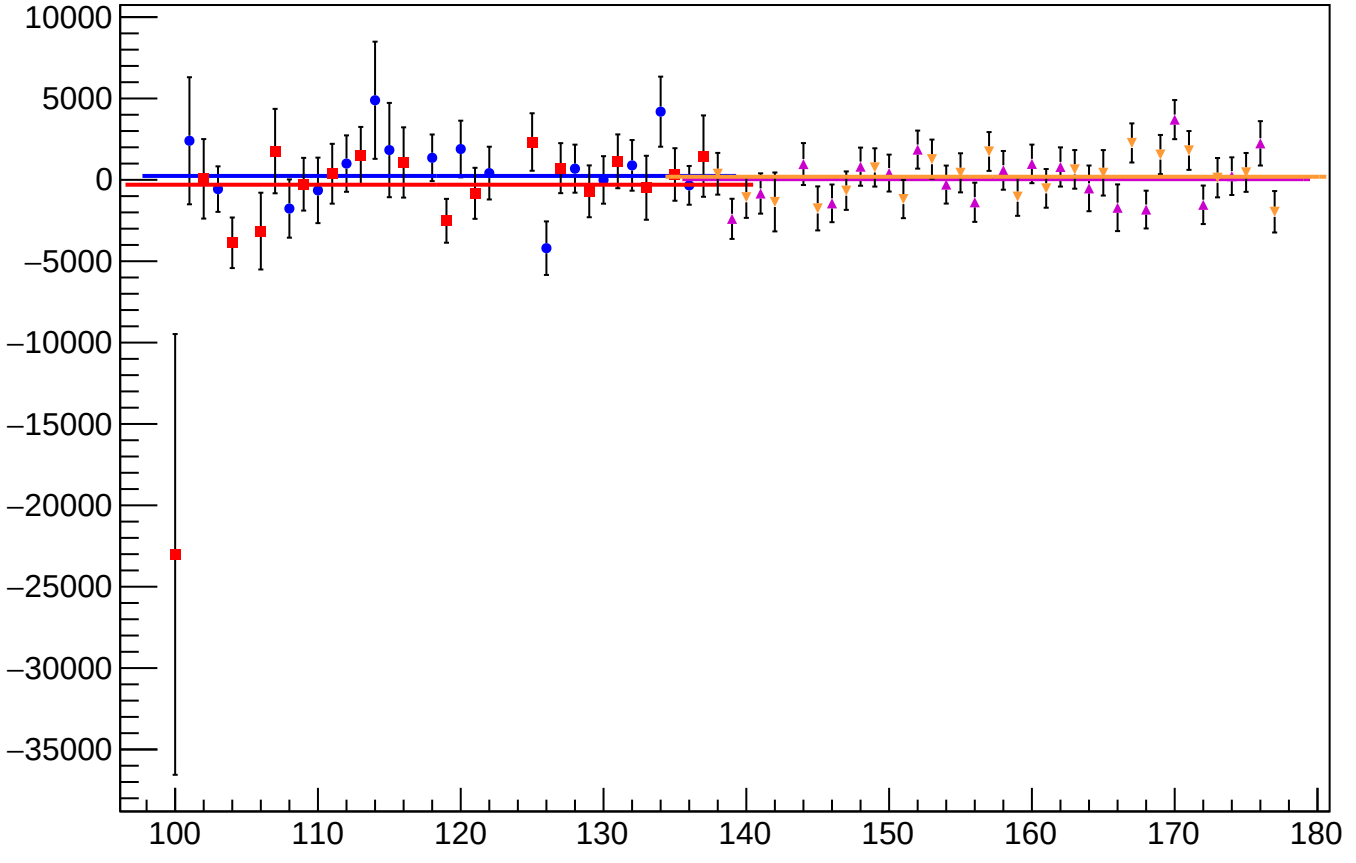
Left In: 465.521+/-0.084 χ^2/NDF:558871.2/18

+ sign 434.968+/-0.066 χ^2/NDF: 2682829.1/35

All: 437.075+/-0.047 χ^2/NDF: 5714911.7/72

- sign 439.263+/-0.067 χ^2/NDF: 3030018.9/36

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: 190.587+/-276.594 χ^2/NDF:19.1/19

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

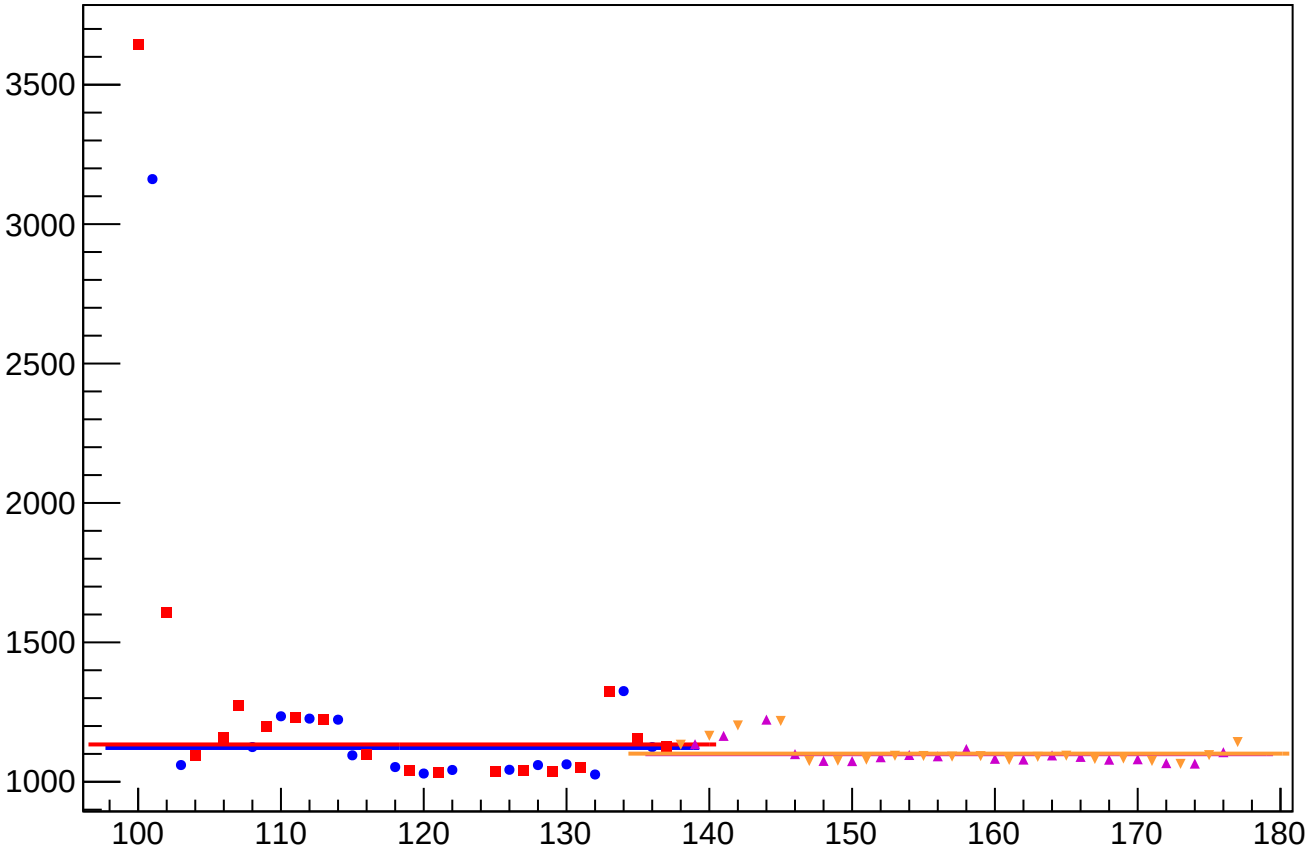
Left In: 42.379+/-278.923 χ^2/NDF:30.2/18

+ sign 205.458+/-232.080 χ^2/NDF: 36.1/35

All: 74.666+/-164.825 χ^2/NDF: 86.0/72

- sign -58.444+/-234.128 χ^2/NDF: 49.3/36

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: 1100.977+/-0.196 χ^2/NDF:37562.1/19

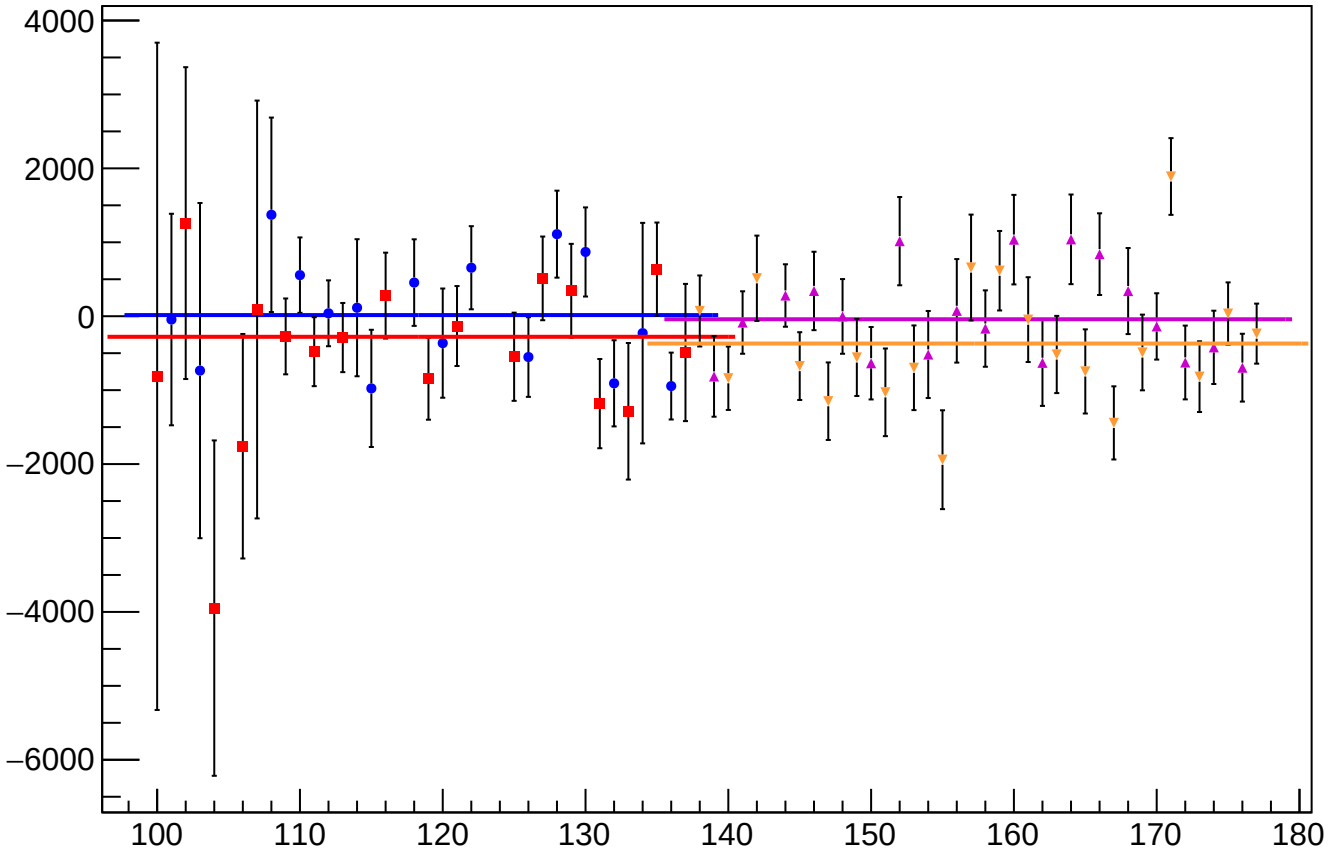
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.941+/-0.197 χ^2/NDF:33622.7/18

+ sign 1106.990+/-0.164 χ^2/NDF: 657784.3/35

All: 1108.123+/-0.117 χ^2/NDF: 928257.1/72

- sign 1109.277+/-0.166 χ^2/NDF: 270376.5/36



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -369.714+/-114.832 χ^2/NDF:46.1/19

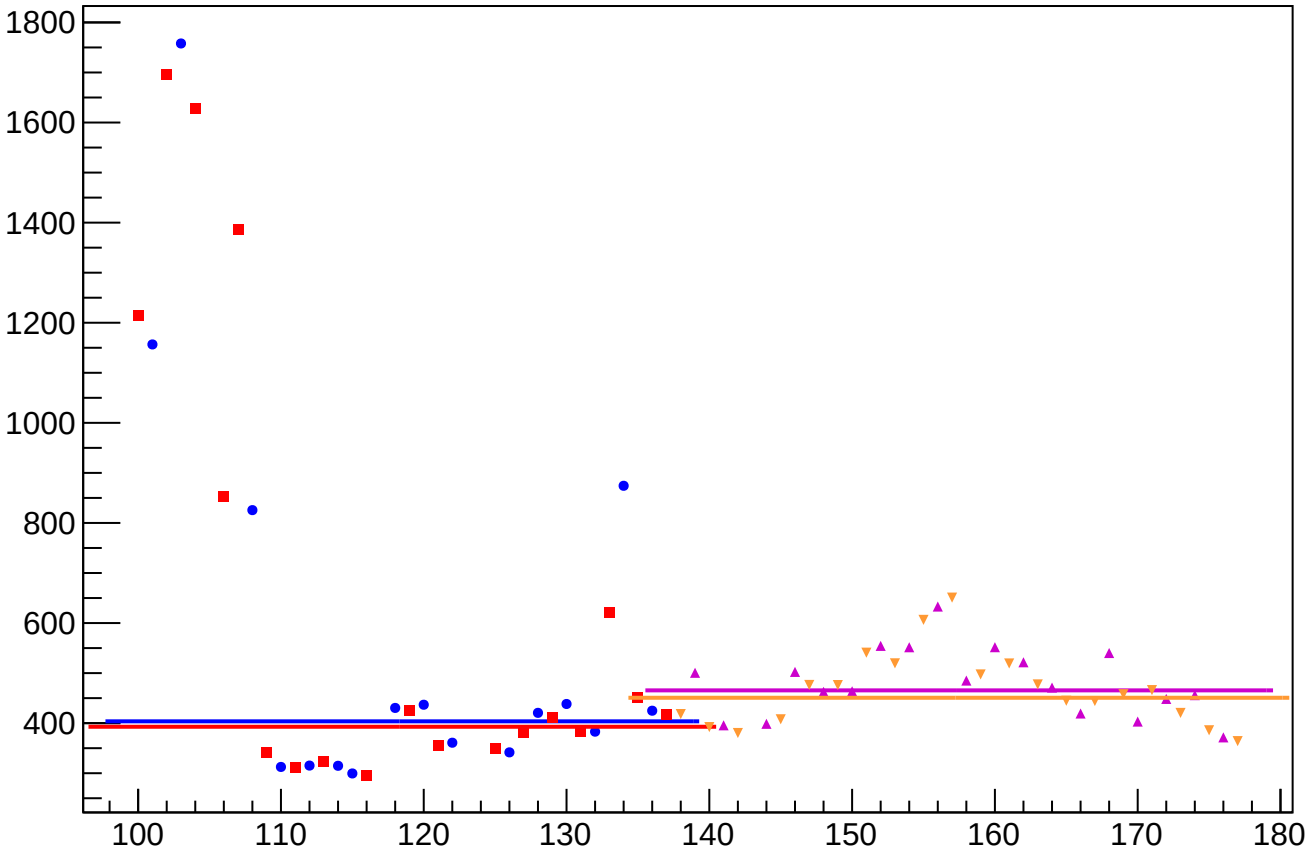
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -41.186+/-119.425 χ^2/NDF:22.9/18

+ sign -240.796+/-93.653 χ^2/NDF: 69.5/35

All: -184.886+/-66.850 χ^2/NDF: 109.6/72

- sign -126.808+/-95.452 χ^2/NDF: 39.3/36



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 450.731+/-0.081 χ^2/NDF:640704.2/19

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

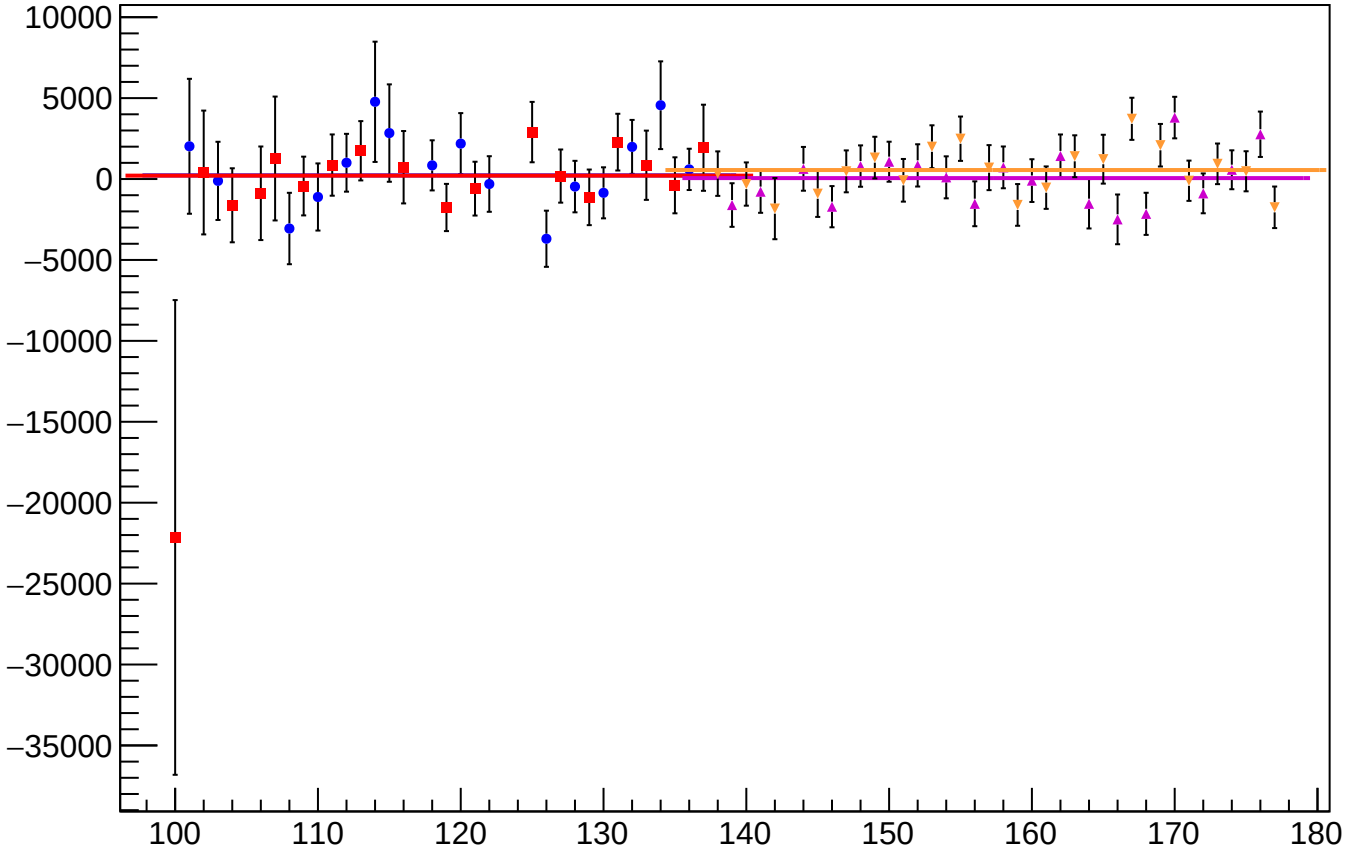
Left In: 465.521+/-0.084 χ^2/NDF:558881.1/18

+ sign 434.967+/-0.066 χ^2/NDF: 2682860.6/35

All: 437.074+/-0.047 χ^2/NDF: 5714988.9/72

- sign 439.262+/-0.067 χ^2/NDF: 3030064.6/36

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 555.578+/-299.134 χ^2/NDF:21.8/19

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

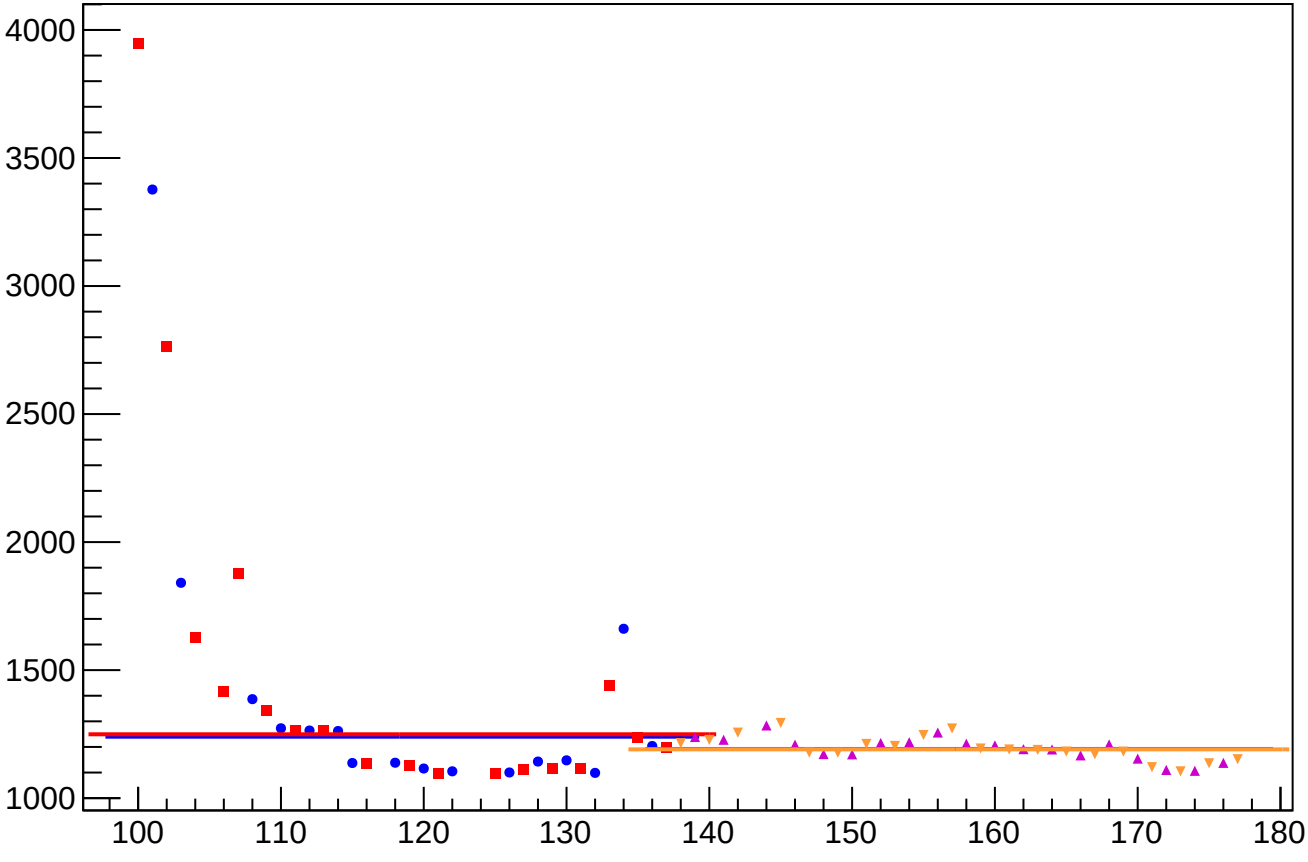
Left In: 57.184+/-302.635 χ^2/NDF:27.8/18

+ sign 461.526+/-253.056 χ^2/NDF: 38.3/35

All: 283.047+/-179.854 χ^2/NDF: 78.1/72

- sign 100.864+/-255.668 χ^2/NDF: 38.8/36

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1190.520+/-0.212 χ^2/NDF:48112.4/19

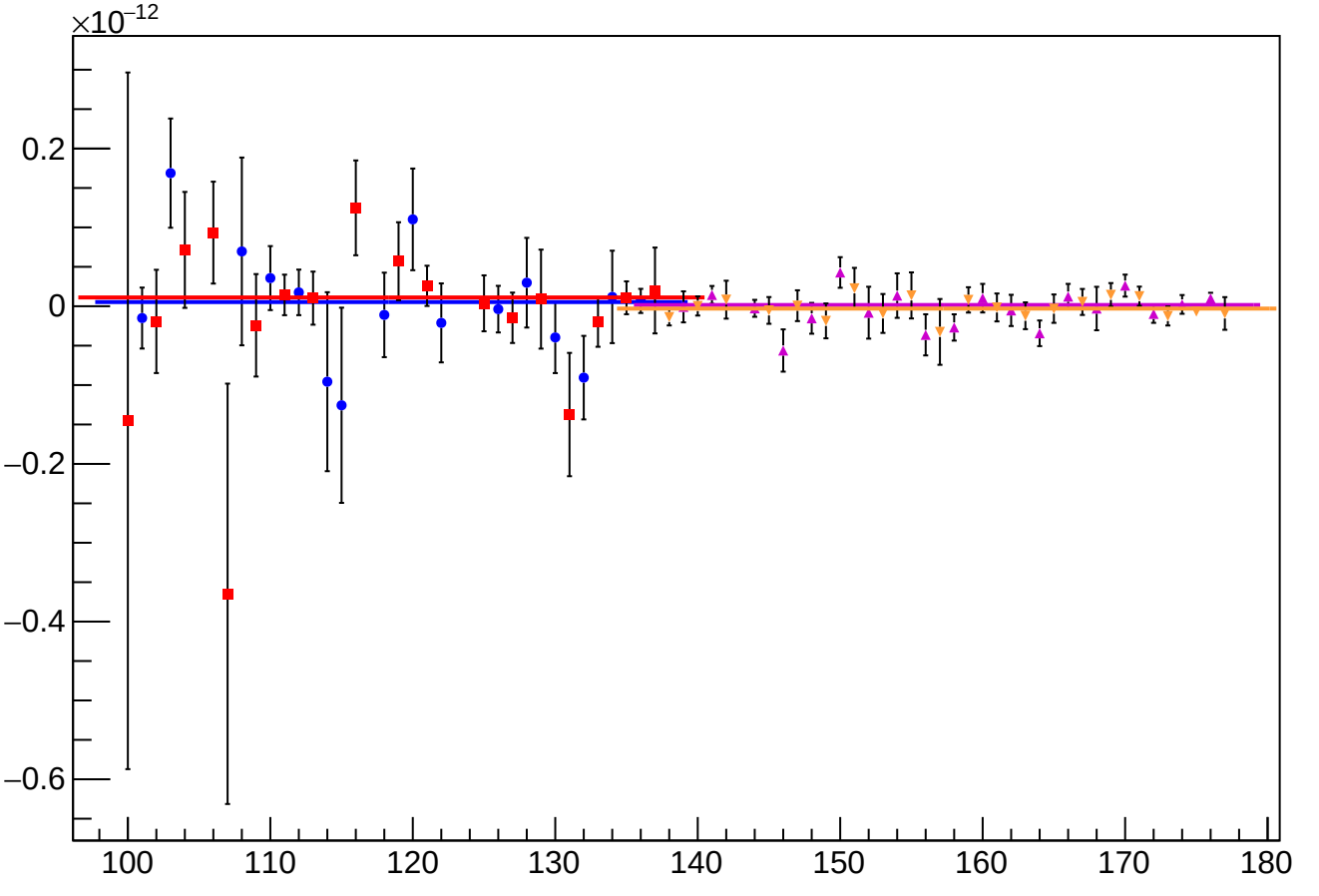
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1192.101+/-0.214 χ^2/NDF:45566.0/18

+ sign 1204.630+/-0.179 χ^2/NDF: 846439.9/35

All: 1206.549+/-0.127 χ^2/NDF: 1518871.3/72

- sign 1208.509+/-0.181 χ^2/NDF: 672198.8/36



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/19

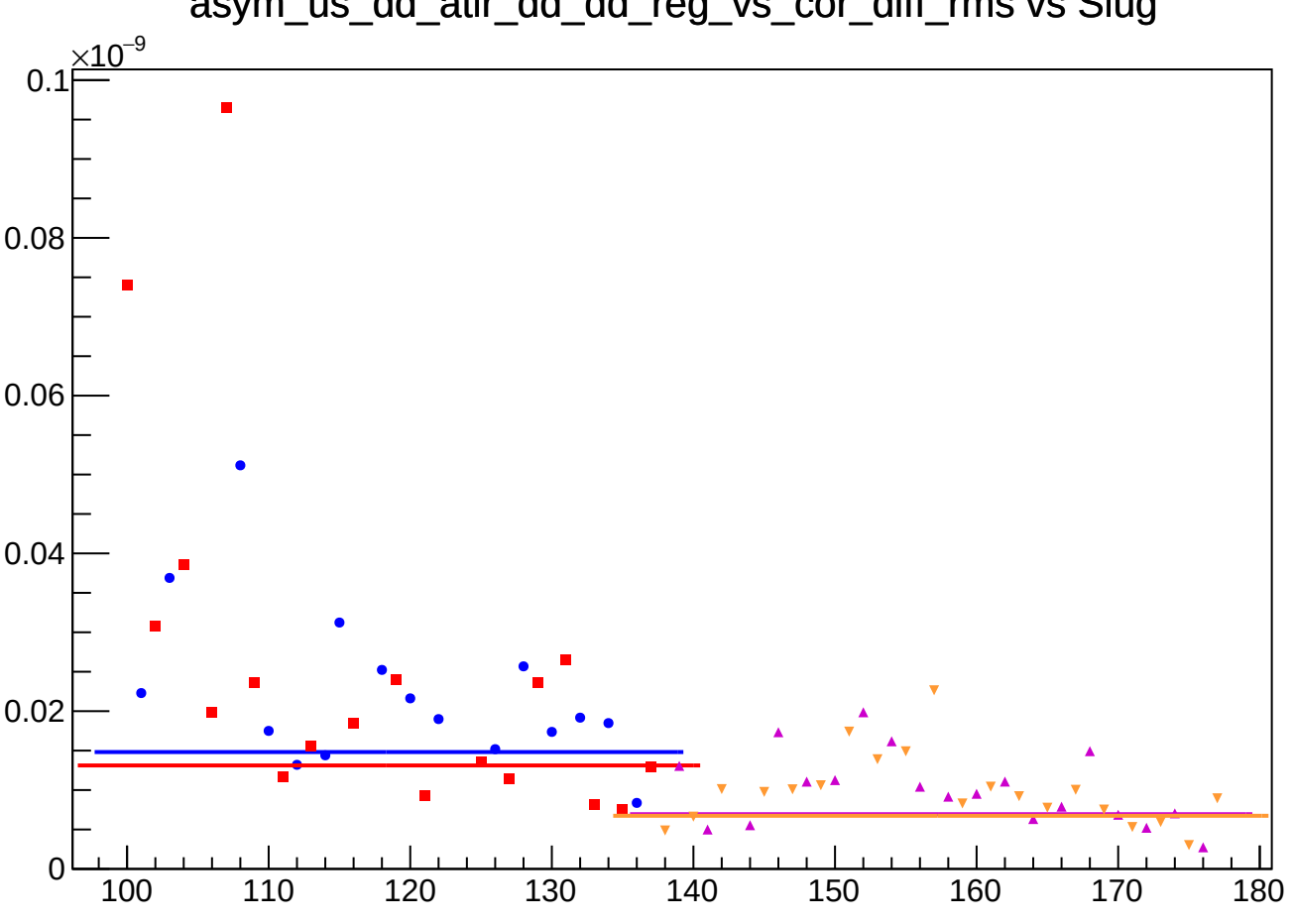
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:27.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 25.9/35

All: 0.000+/-0.000 χ^2/NDF: 70.7/72

- sign 0.000+/-0.000 χ^2/NDF: 43.7/36



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2259374.4/19

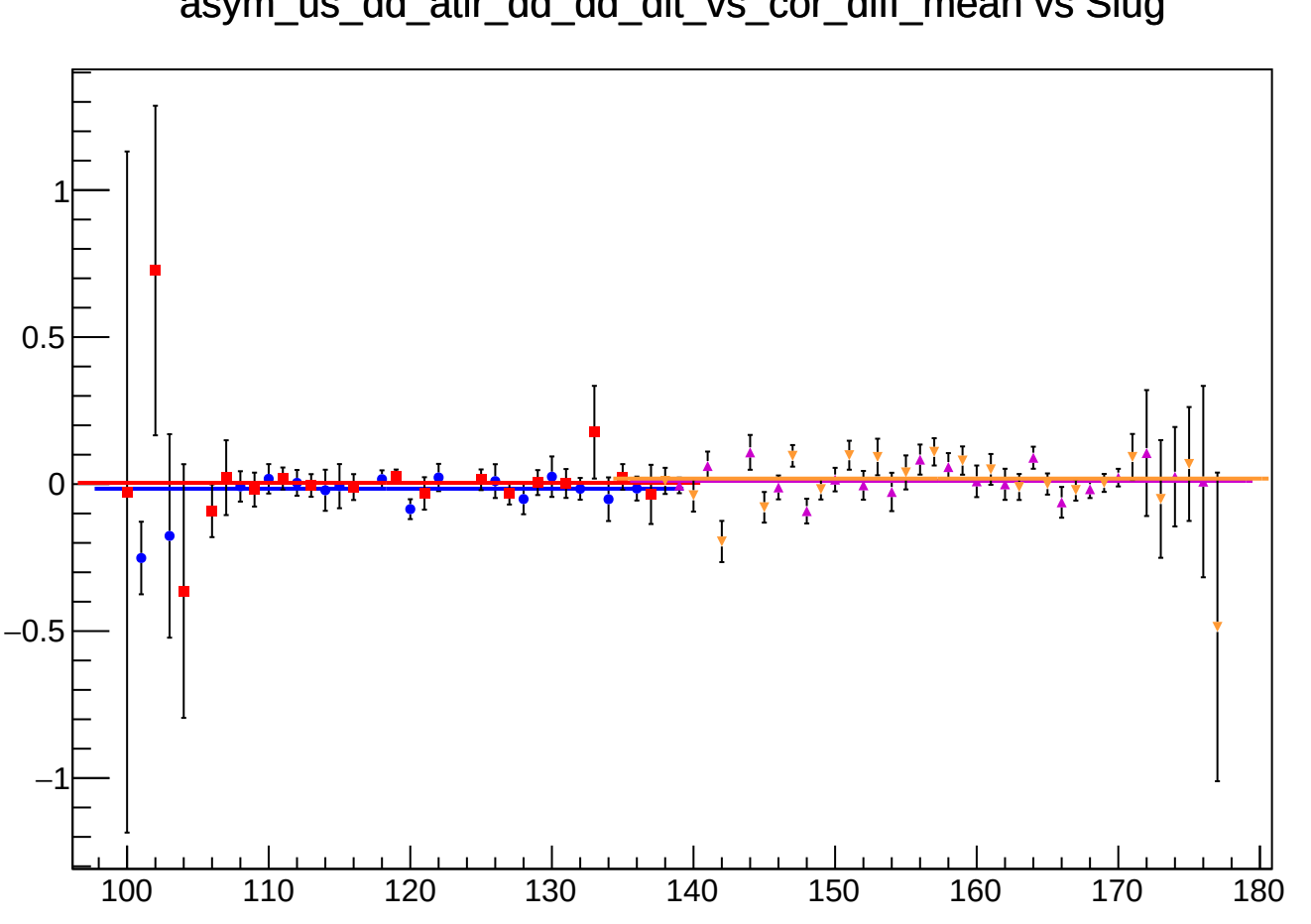
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2389040.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 4598959.0/35

All: 0.000+/-0.000 χ^2/NDF: 8939780.3/72

- sign 0.000+/-0.000 χ^2/NDF: 4339935.9/36



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.4/19

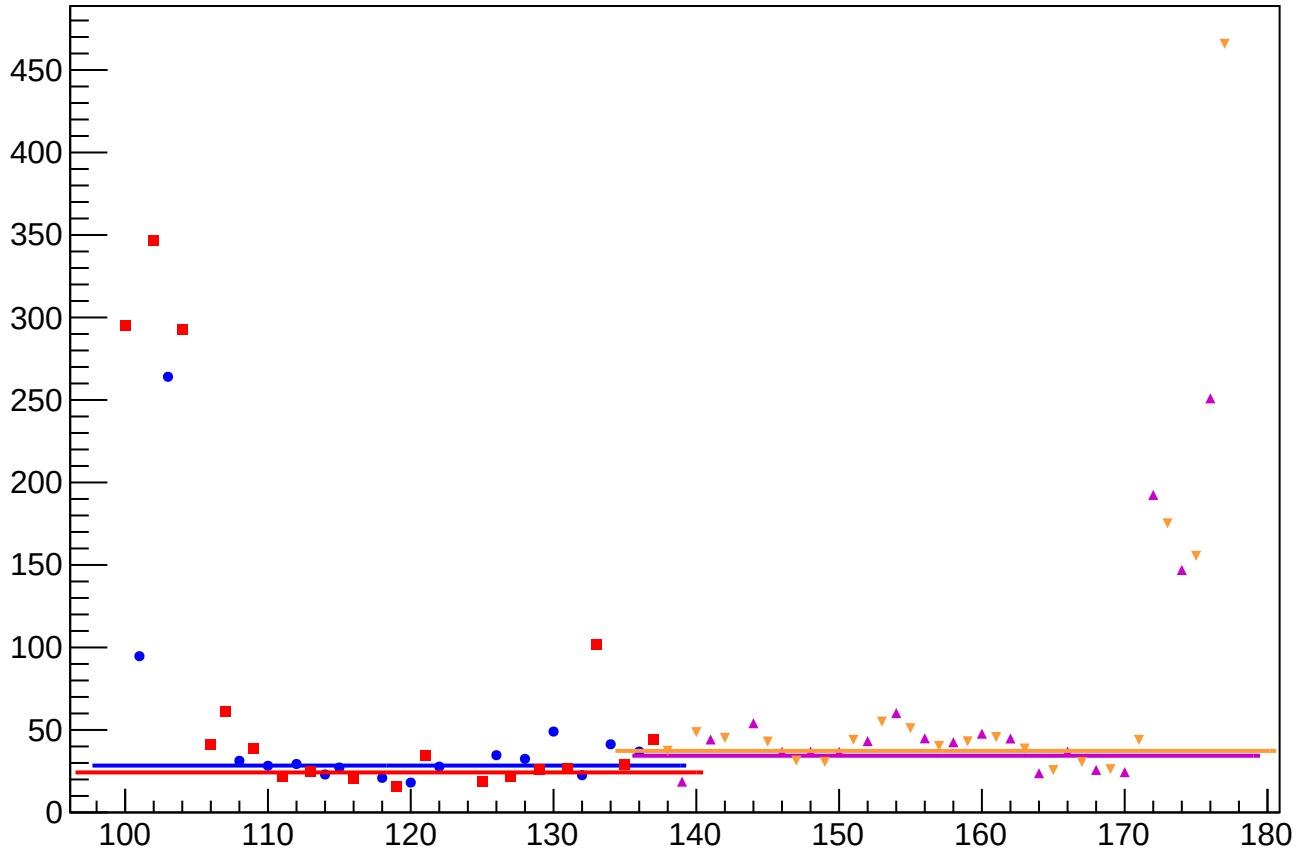
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/18

+ sign 0.004+/-0.008 χ^2/NDF: 49.8/35

All: 0.006+/-0.006 χ^2/NDF: 79.3/72

- sign 0.008+/-0.008 χ^2/NDF: 29.5/36



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.310+/-0.008 χ^2/NDF:4241595.0/19

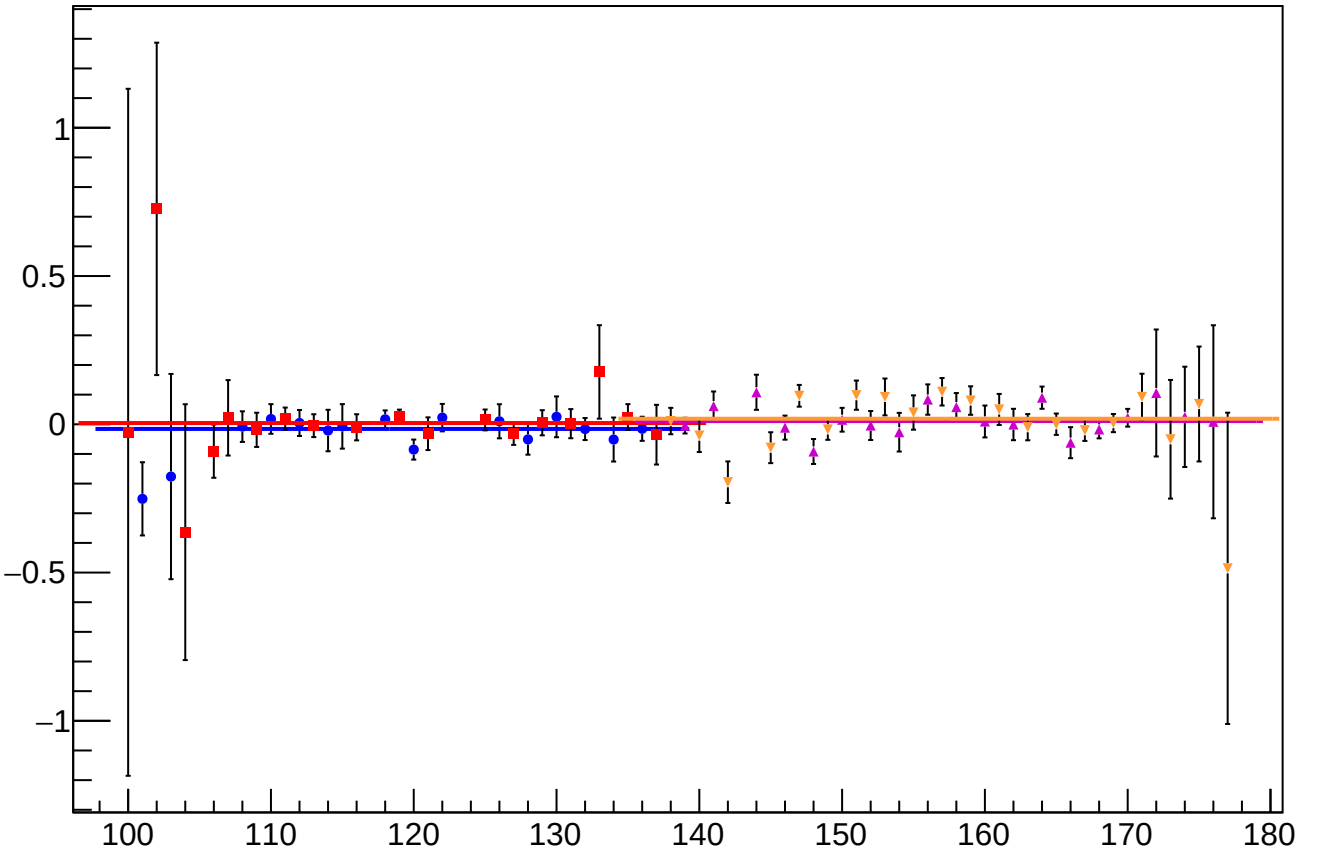
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.369+/-0.007 χ^2/NDF:5165037.5/18

+ sign 33.427+/-0.006 χ^2/NDF: 7076687.7/35

All: 31.529+/-0.004 χ^2/NDF: 16225604.9/72

- sign 29.849+/-0.005 χ^2/NDF: 8943370.7/36



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.4/19

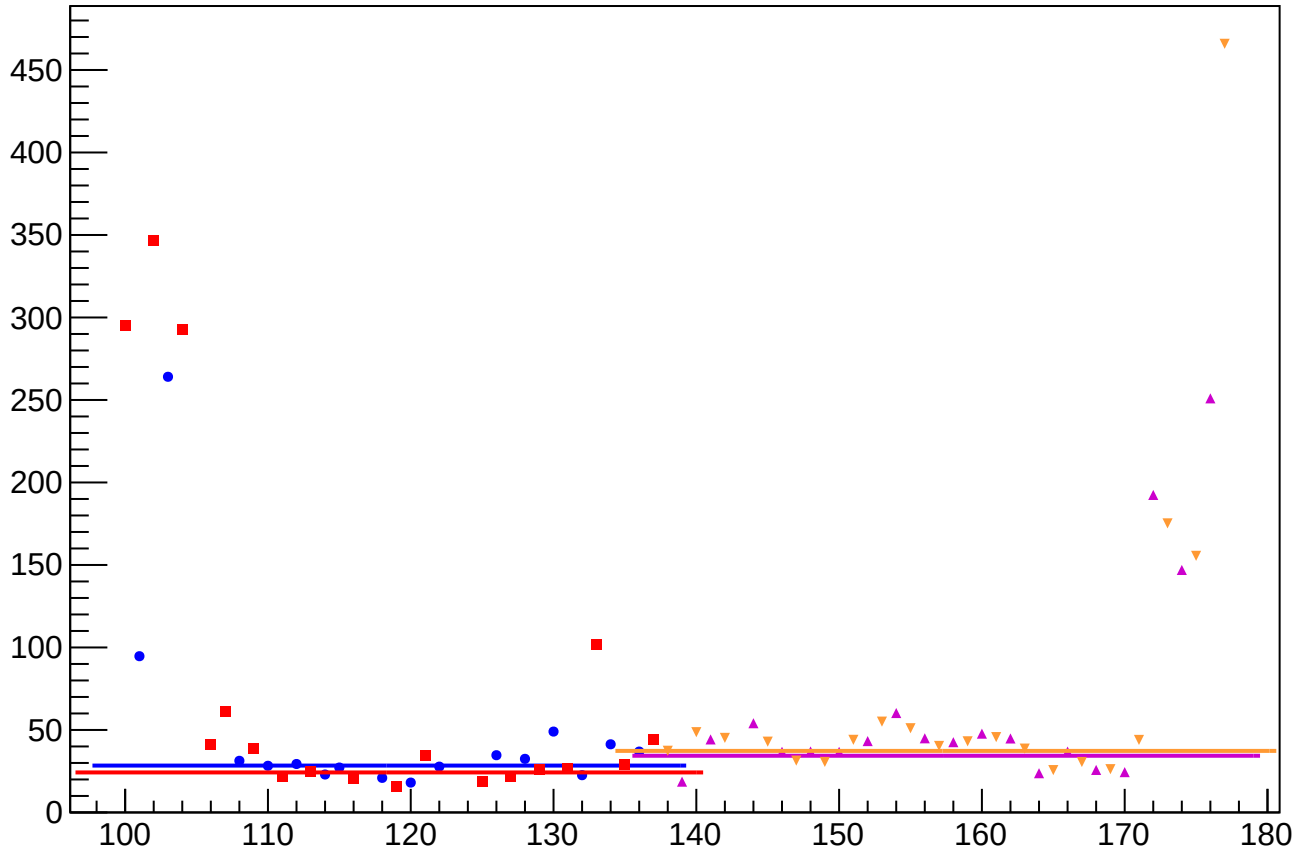
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/18

+ sign 0.004+/-0.008 χ^2/NDF: 49.8/35

All: 0.006+/-0.006 χ^2/NDF: 79.3/72

- sign 0.008+/-0.008 χ^2/NDF: 29.5/36



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.310+/-0.008 χ^2/NDF:4241595.0/19

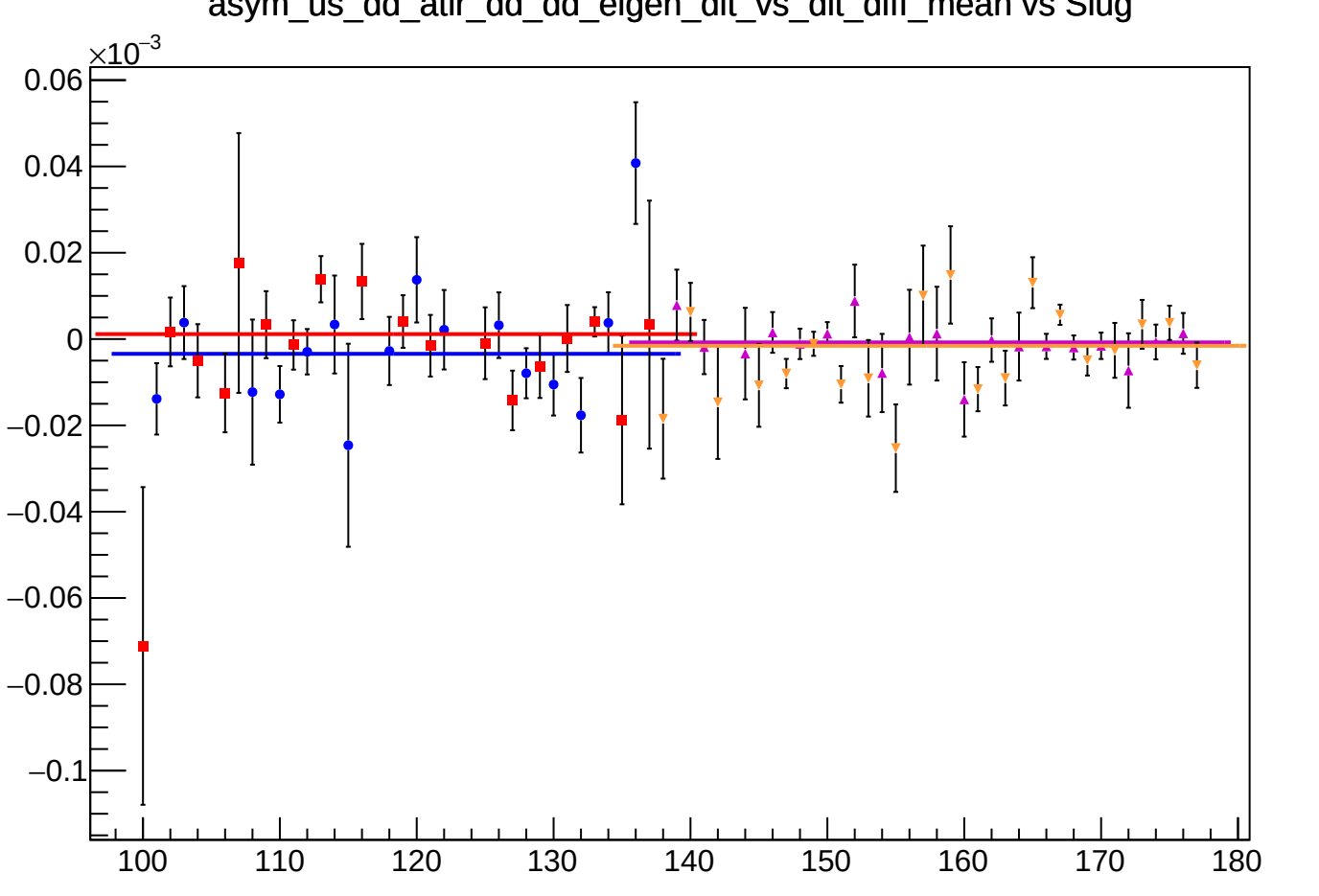
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.369+/-0.007 χ^2/NDF:5165037.5/18

+ sign 33.427+/-0.006 χ^2/NDF: 7076687.7/35

All: 31.529+/-0.004 χ^2/NDF: 16225604.9/72

- sign 29.849+/-0.005 χ^2/NDF: 8943370.7/36



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.1/19

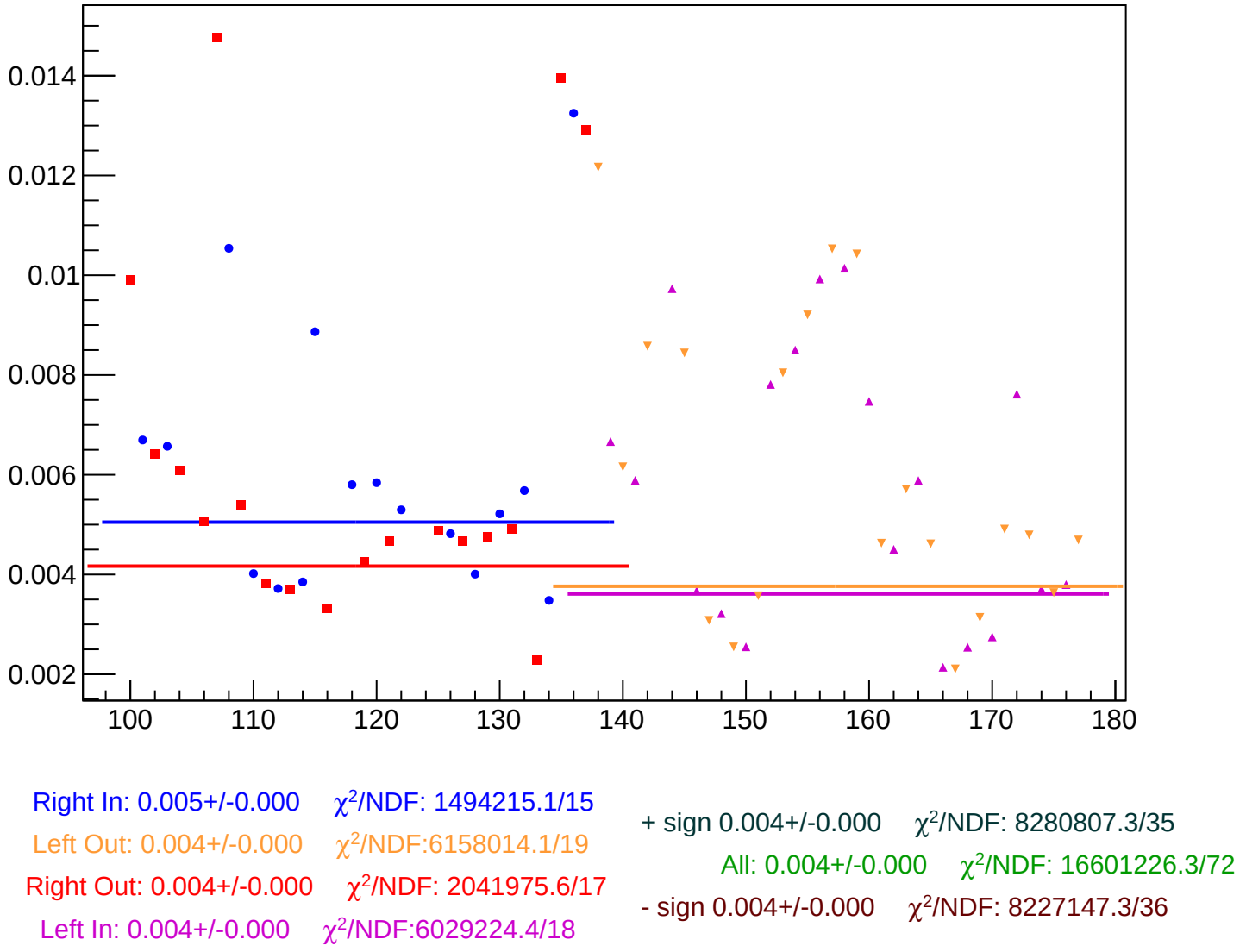
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

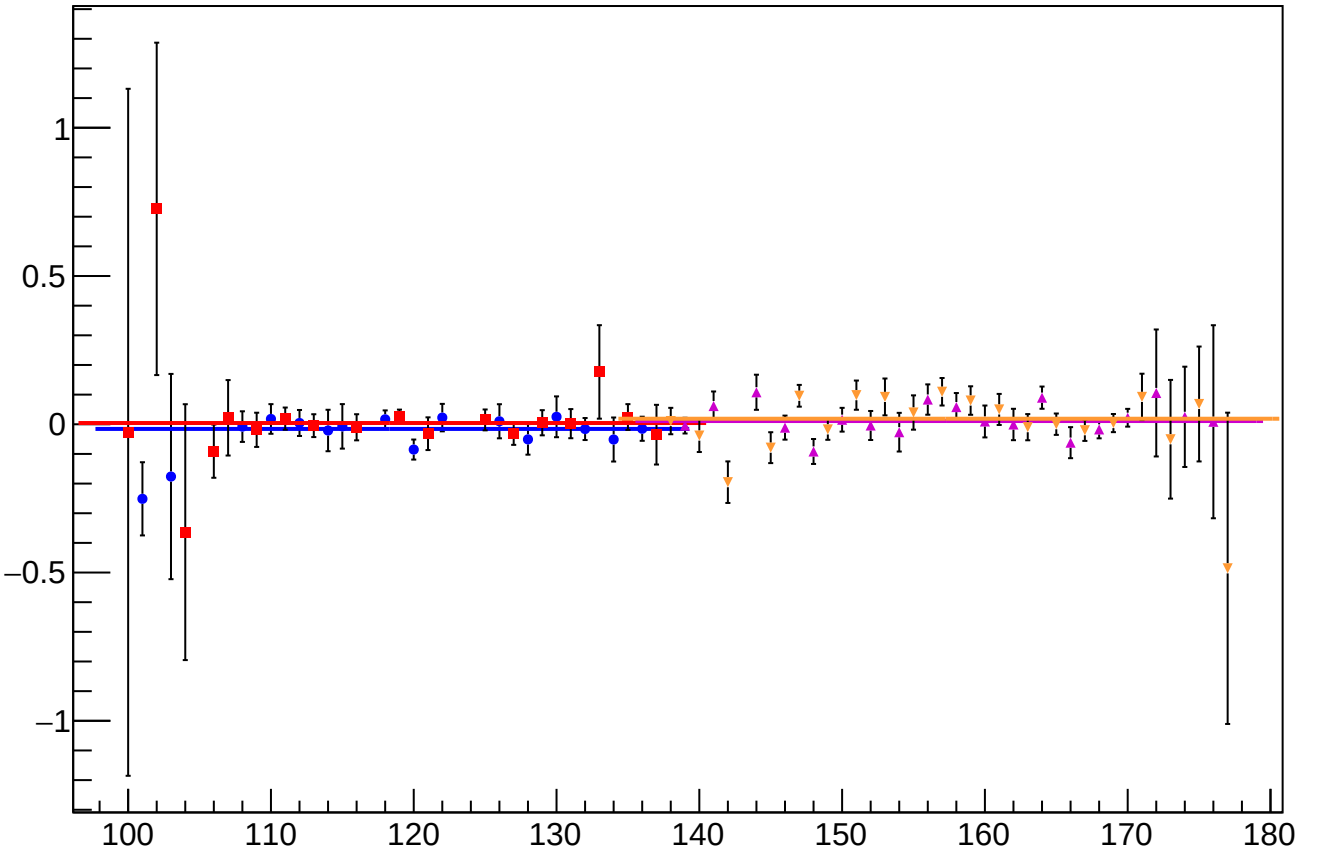
Left In: -0.000+/-0.000 χ^2/NDF:7.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 72.9/35

All: -0.000+/-0.000 χ^2/NDF: 106.0/72

- sign -0.000+/-0.000 χ^2/NDF: 31.3/36


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 1494215.1/15
Left Out: 0.004+/-0.000 χ²/NDF:6158014.1/19
Right Out: 0.004+/-0.000 χ²/NDF: 2041975.6/17
Left In: 0.004+/-0.000 χ²/NDF:6029224.4/18
+ sign 0.004+/-0.000 χ²/NDF: 8280807.3/35
All: 0.004+/-0.000 χ²/NDF: 16601226.3/72
- sign 0.004+/-0.000 χ²/NDF: 8227147.3/36



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.4/19

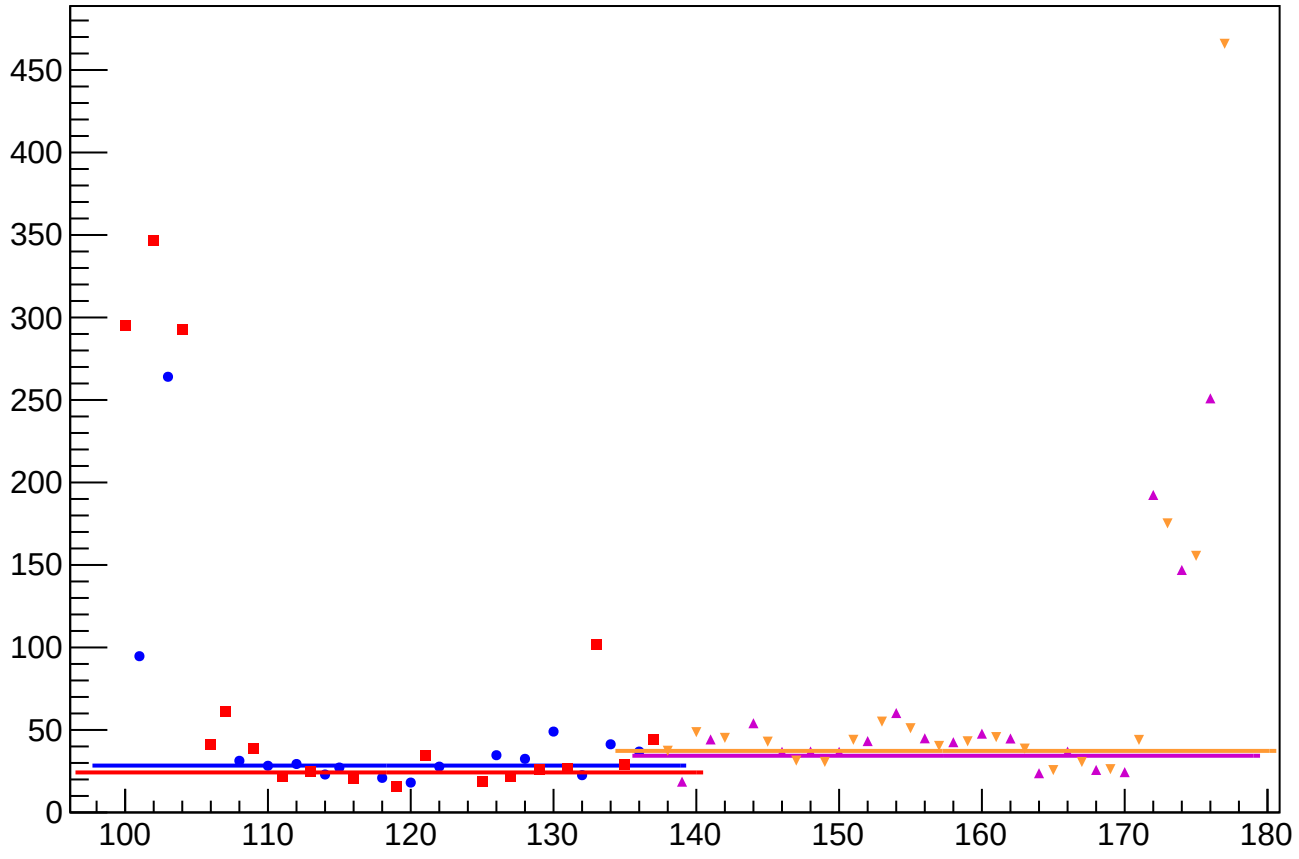
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/18

+ sign 0.004+/-0.008 χ^2/NDF: 49.7/35

All: 0.006+/-0.006 χ^2/NDF: 79.3/72

- sign 0.008+/-0.008 χ^2/NDF: 29.5/36



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.310+/-0.008 χ^2/NDF:4241752.5/19

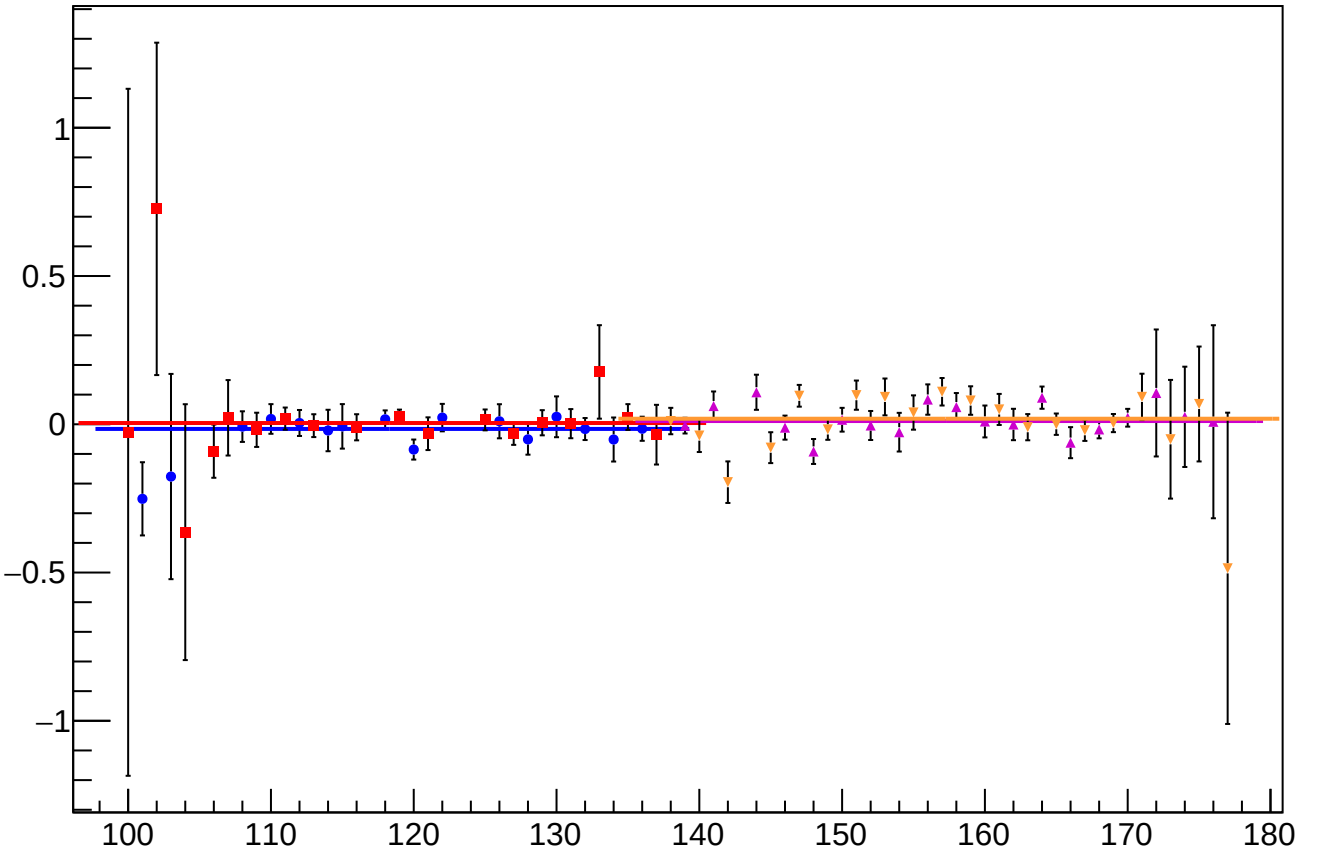
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.368+/-0.007 χ^2/NDF:5165451.2/18

+ sign 33.427+/-0.006 χ^2/NDF: 7076826.5/35

All: 31.528+/-0.004 χ^2/NDF: 16226763.1/72

- sign 29.848+/-0.005 χ^2/NDF: 8944283.9/36



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.4/19

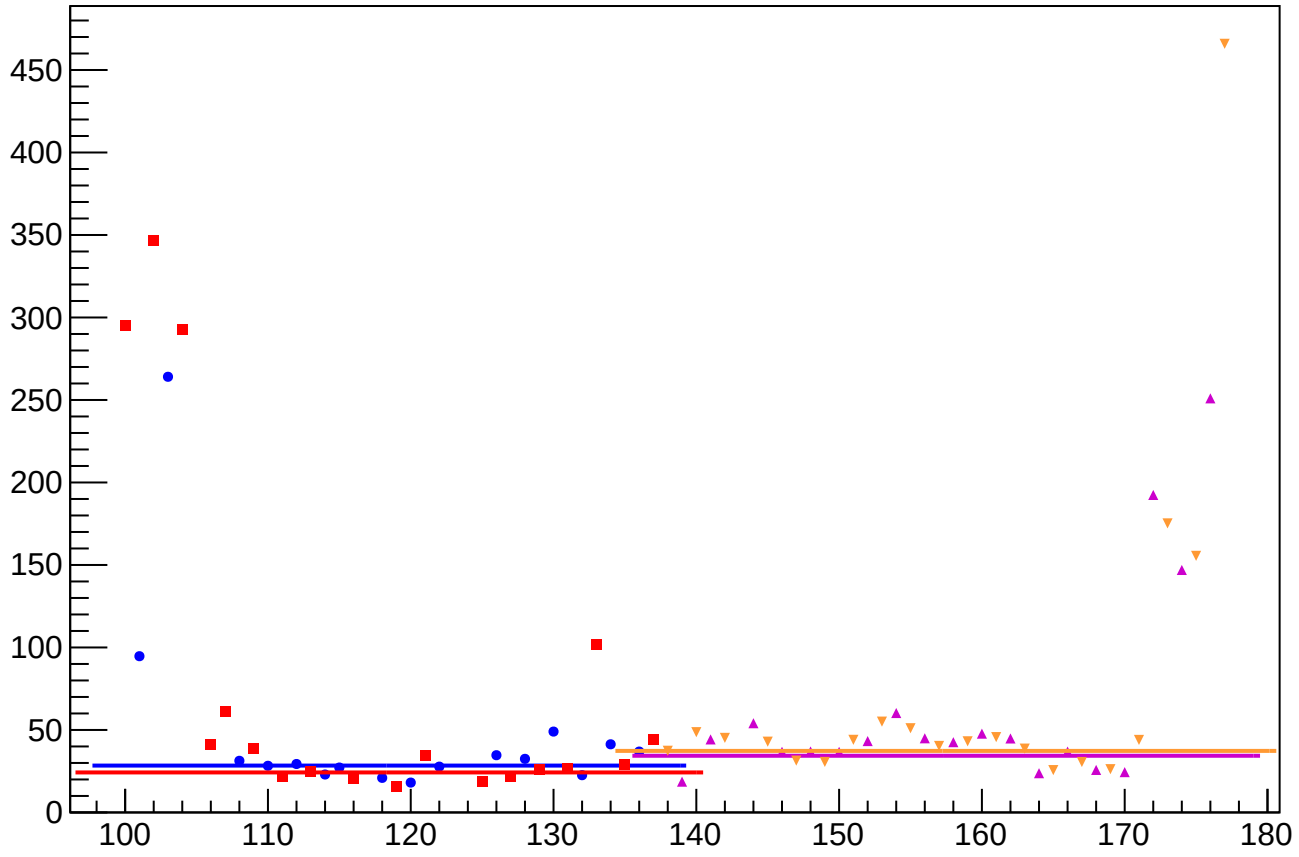
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.4/18

+ sign 0.004+/-0.008 χ^2/NDF: 49.7/35

All: 0.006+/-0.006 χ^2/NDF: 79.3/72

- sign 0.008+/-0.008 χ^2/NDF: 29.5/36



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.310+/-0.008 χ^2/NDF:4241752.5/19

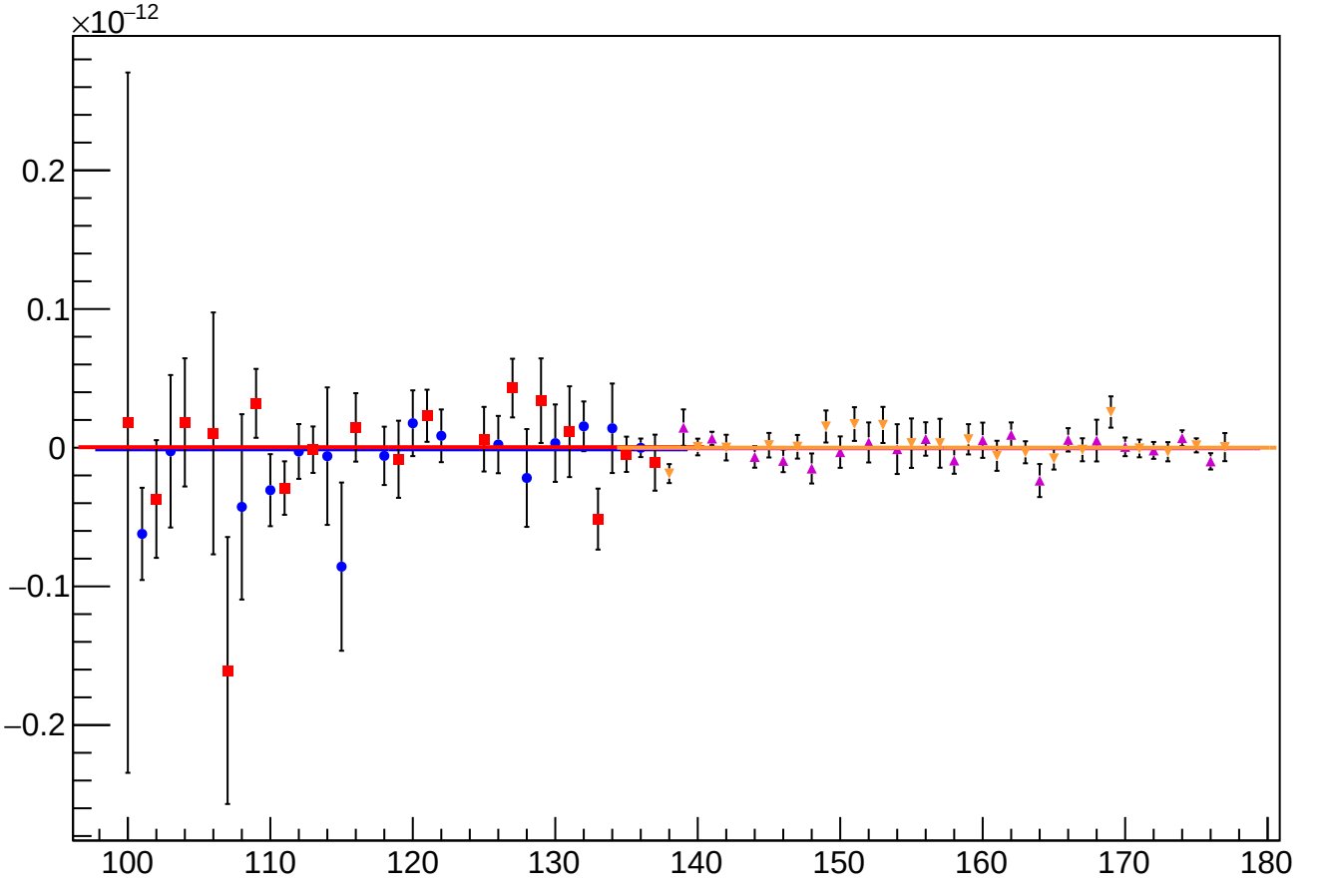
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.368+/-0.007 χ^2/NDF:5165451.2/18

+ sign 33.427+/-0.006 χ^2/NDF: 7076826.5/35

All: 31.528+/-0.004 χ^2/NDF: 16226763.1/72

- sign 29.848+/-0.005 χ^2/NDF: 8944283.9/36



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/19

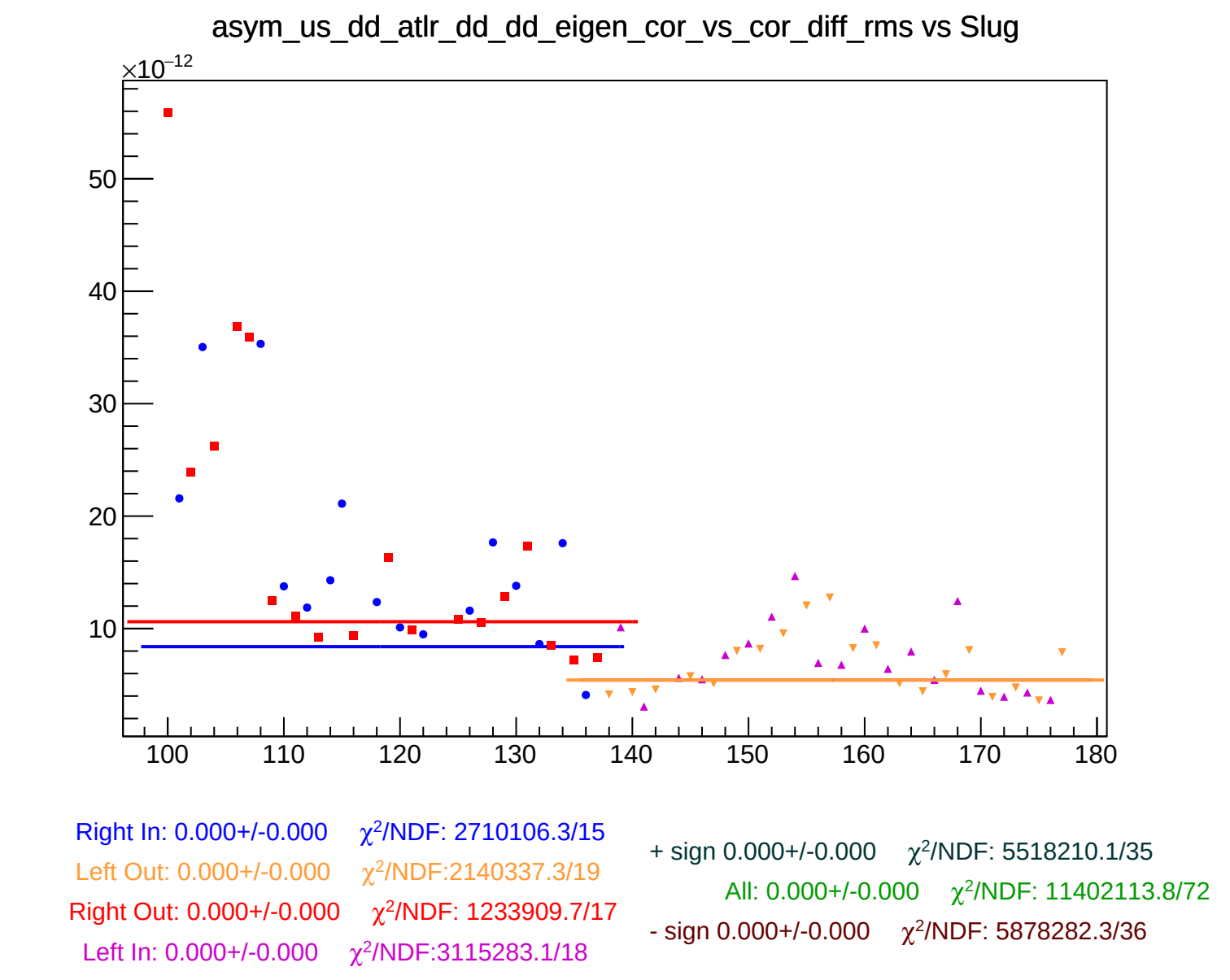
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:18.6/18

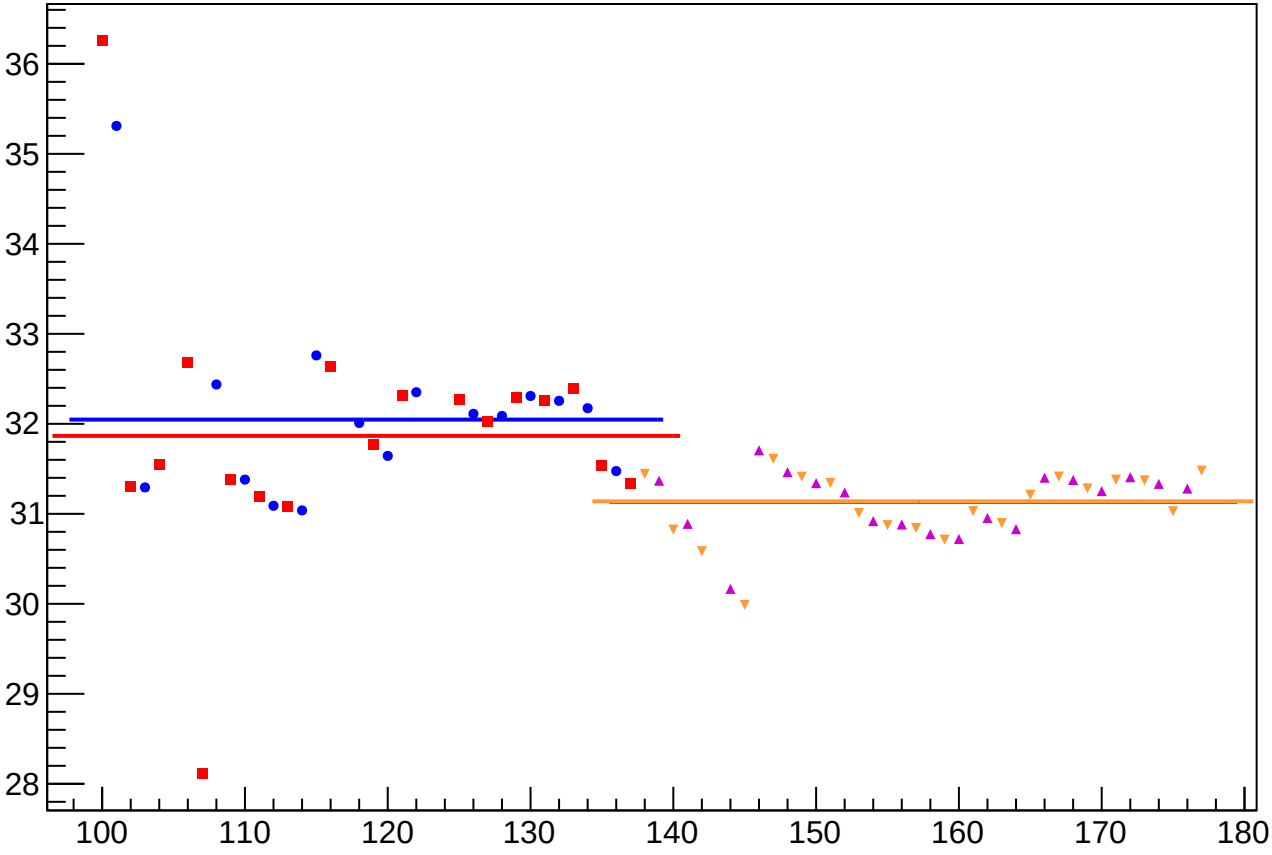
+ sign -0.000+/-0.000 χ^2/NDF: 29.6/35

All: -0.000+/-0.000 χ^2/NDF: 69.3/72

- sign -0.000+/-0.000 χ^2/NDF: 39.7/36


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:2140337.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3115283.1/18
+ sign 0.000+/-0.000 χ²/NDF: 5518210.1/35
All: 0.000+/-0.000 χ²/NDF: 11402113.8/72
- sign 0.000+/-0.000 χ²/NDF: 5878282.3/36

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.139+/-0.000 χ^2/NDF:284409163.3/19

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

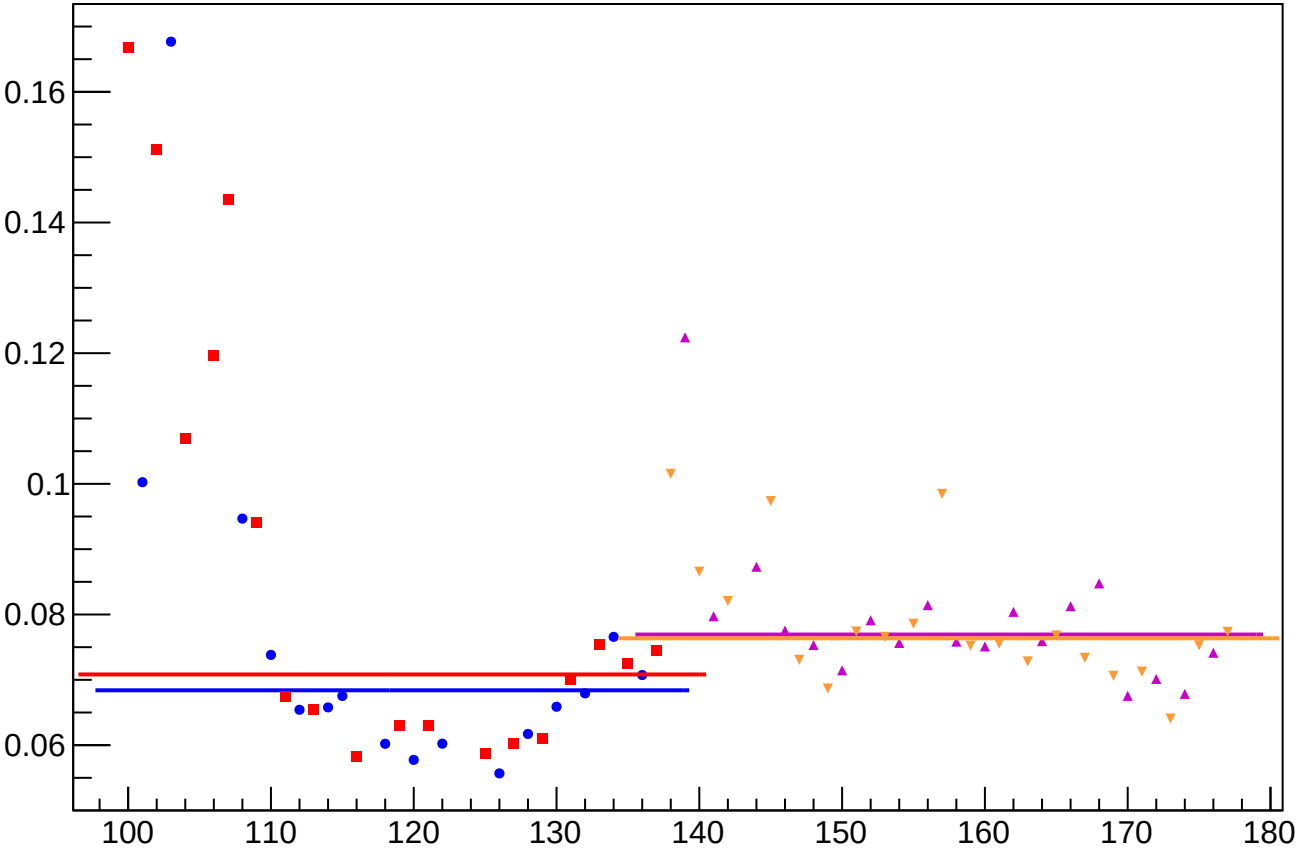
Left In: 31.131+/-0.000 χ^2/NDF:276501591.1/18

\+ sign 31.460+/-0.000 χ^2/NDF: 1895772117.7/35

All: 31.423+/-0.000 χ^2/NDF: 3107486335.1/7

\- sign 31.385+/-0.000 χ^2/NDF: 1201207115.0/36

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:351873.8/19

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

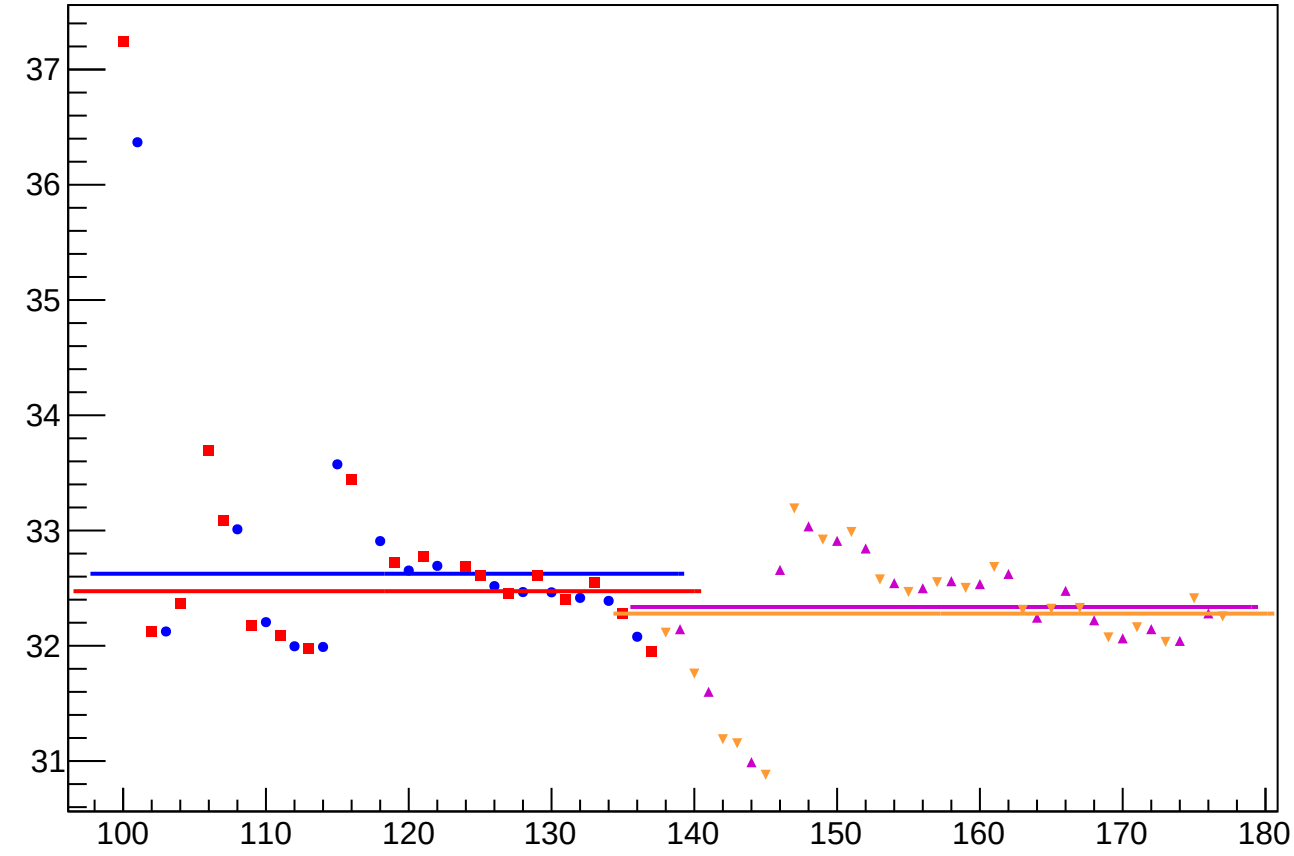
Left In: 0.077+/-0.000 χ^2/NDF:353116.8/18

+ sign 0.074+/-0.000 χ^2/NDF: 1164545.4/35

All: 0.074+/-0.000 χ^2/NDF: 2452697.6/72

- sign 0.075+/-0.000 χ^2/NDF: 1282052.6/36

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.279+/-0.000 χ^2/NDF:794948323.6/20

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

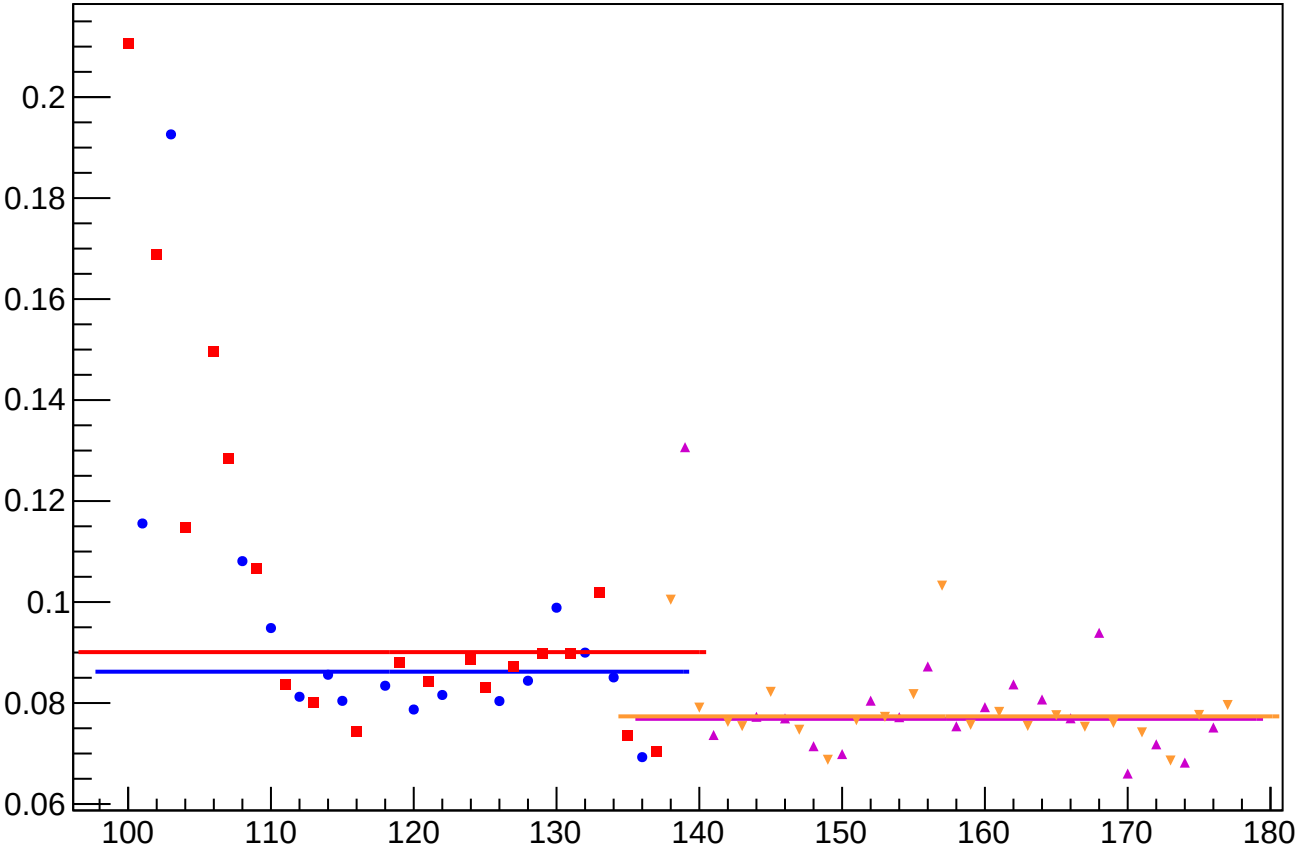
Left In: 32.337+/-0.000 χ^2/NDF:575276865.2/18

+ sign 32.366+/-0.000 χ^2/NDF: 1609863157.0/36

All: 32.368+/-0.000 χ^2/NDF: 2353170059.3/7

- sign 32.371+/-0.000 χ^2/NDF: 743266325.5/37

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:231158.5/20

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

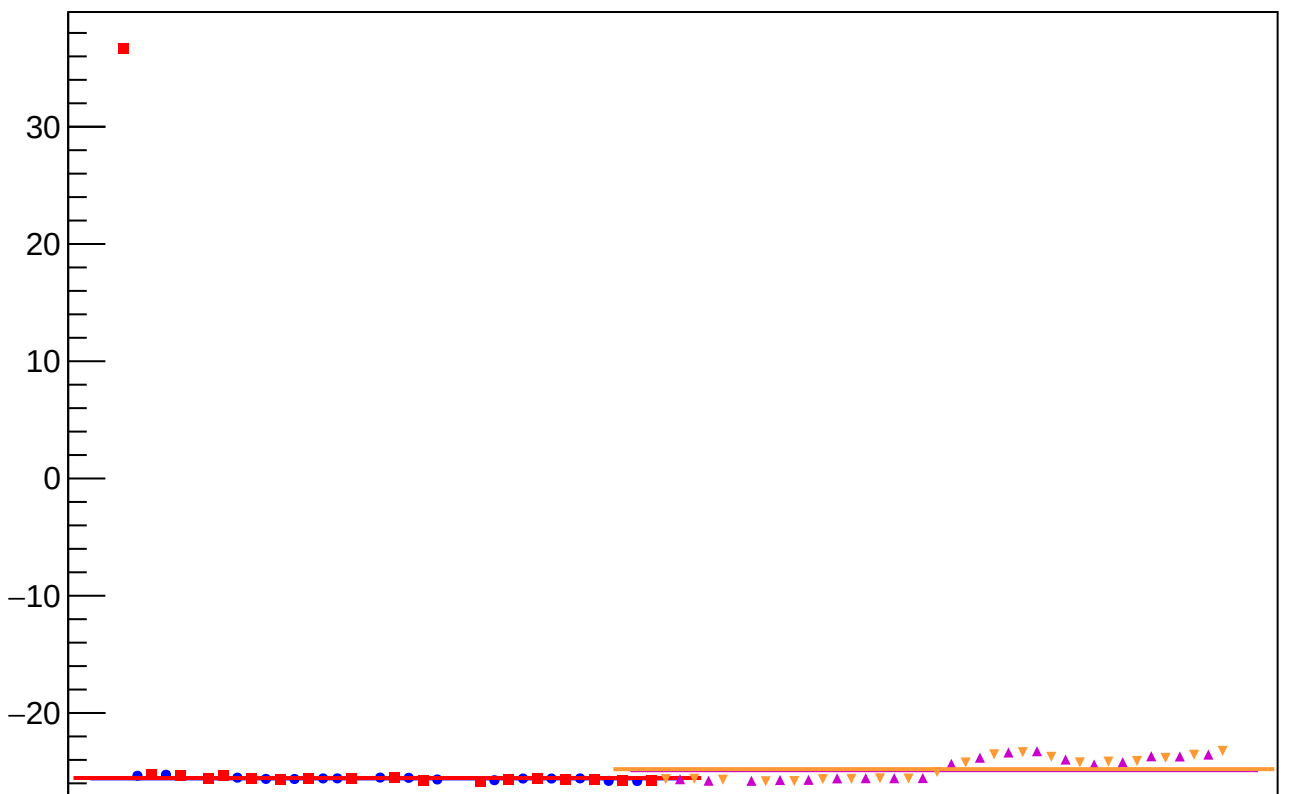
Left In: 0.077+/-0.000 χ^2/NDF:472767.8/18

+ sign 0.080+/-0.000 χ^2/NDF: 928979.0/36

All: 0.080+/-0.000 χ^2/NDF: 2232984.9/74

- sign 0.080+/-0.000 χ^2/NDF: 1302892.6/37

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.789+/-0.000 χ^2/NDF:6870963314.1/19

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

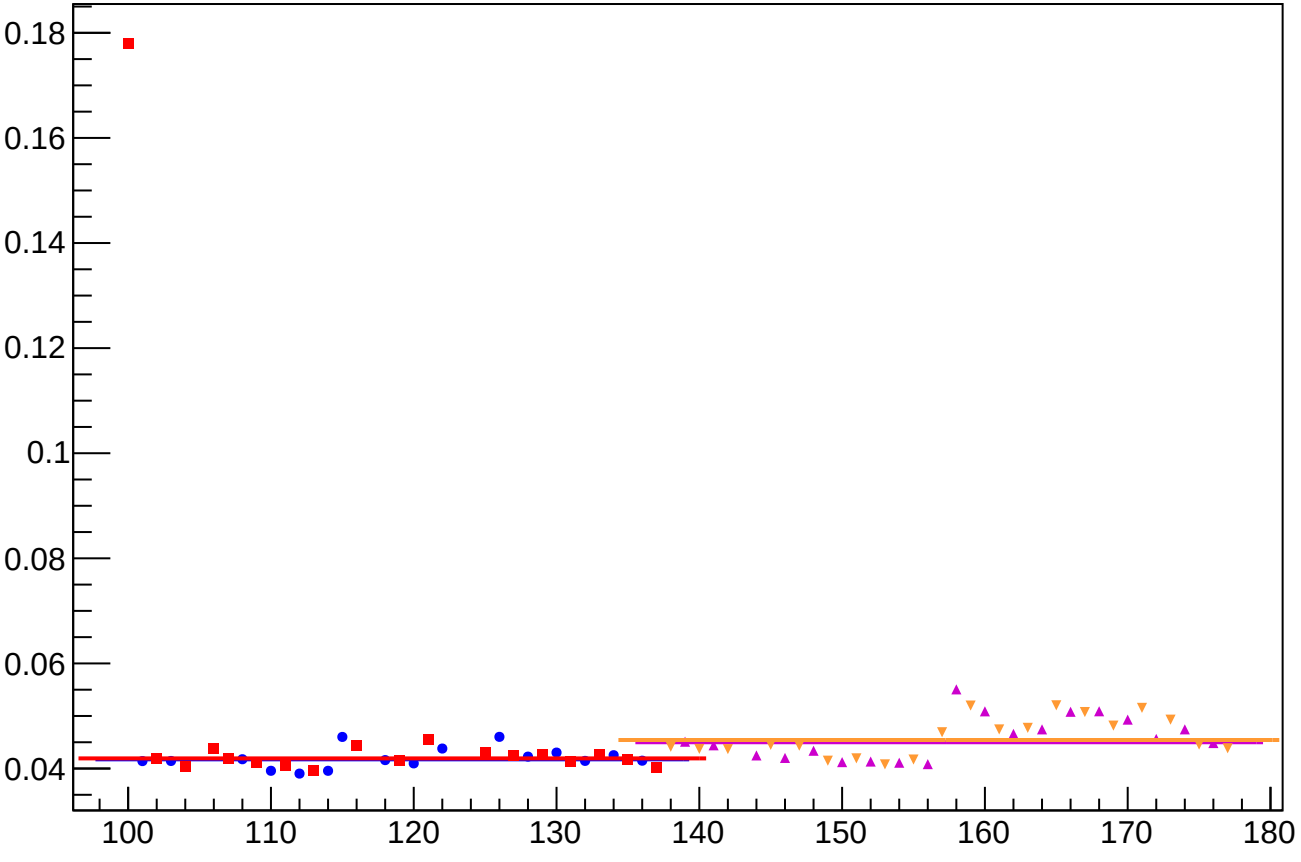
Left In: -24.879+/-0.000 χ^2/NDF:6539151753.7/18

+ sign -25.070+/-0.000 χ^2/NDF: 8621099784.3/35

All: -25.093+/-0.000 χ^2/NDF: 25253063716.0

- sign -25.115+/-0.000 χ^2/NDF: 16620103063.0/36

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:177049.1/19

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

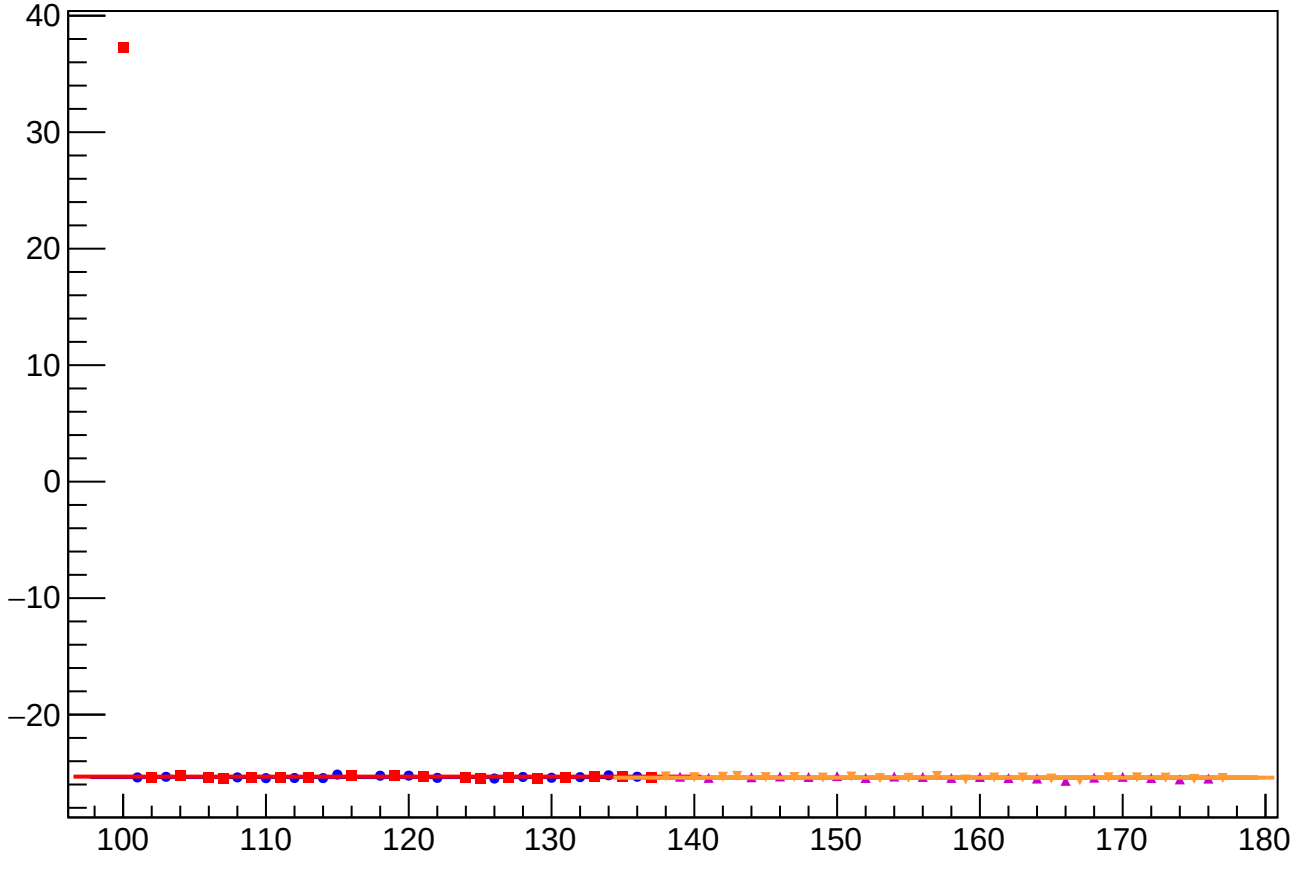
Left In: 0.045+/-0.000 χ^2/NDF:215971.6/18

+ sign 0.044+/-0.000 χ^2/NDF: 269528.7/35

All: 0.044+/-0.000 χ^2/NDF: 636272.0/72

- sign 0.044+/-0.000 χ^2/NDF: 366223.4/36

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.412+/-0.000 χ^2/NDF:46360830.7/20

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

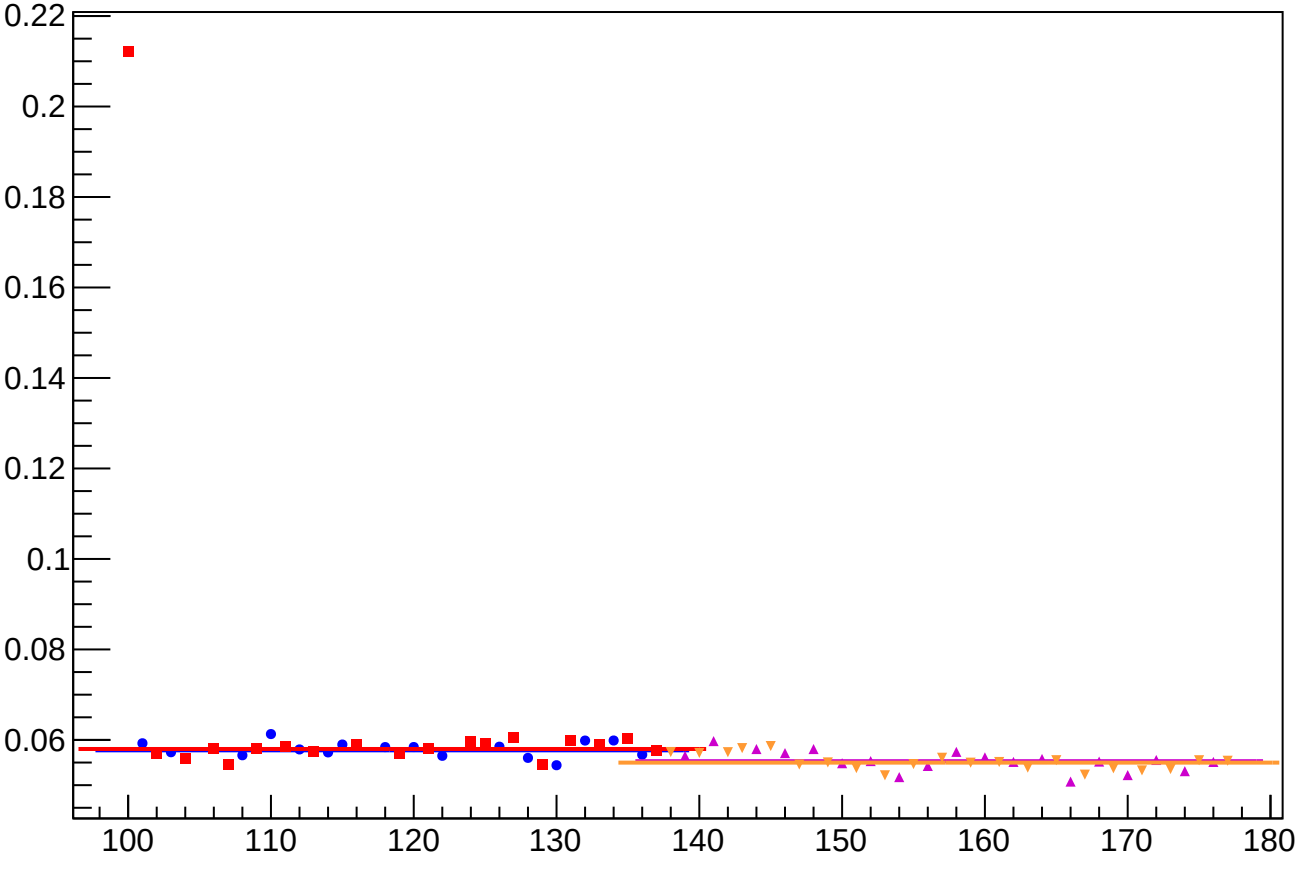
Left In: -25.402+/-0.000 χ^2/NDF:43491988.4/18

+ sign -25.398+/-0.000 χ^2/NDF: 63715488.7/36

All: -25.388+/-0.000 χ^2/NDF: 6433055675.4/

- sign -25.377+/-0.000 χ^2/NDF: 6367888227.6/37

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:31757.0/20

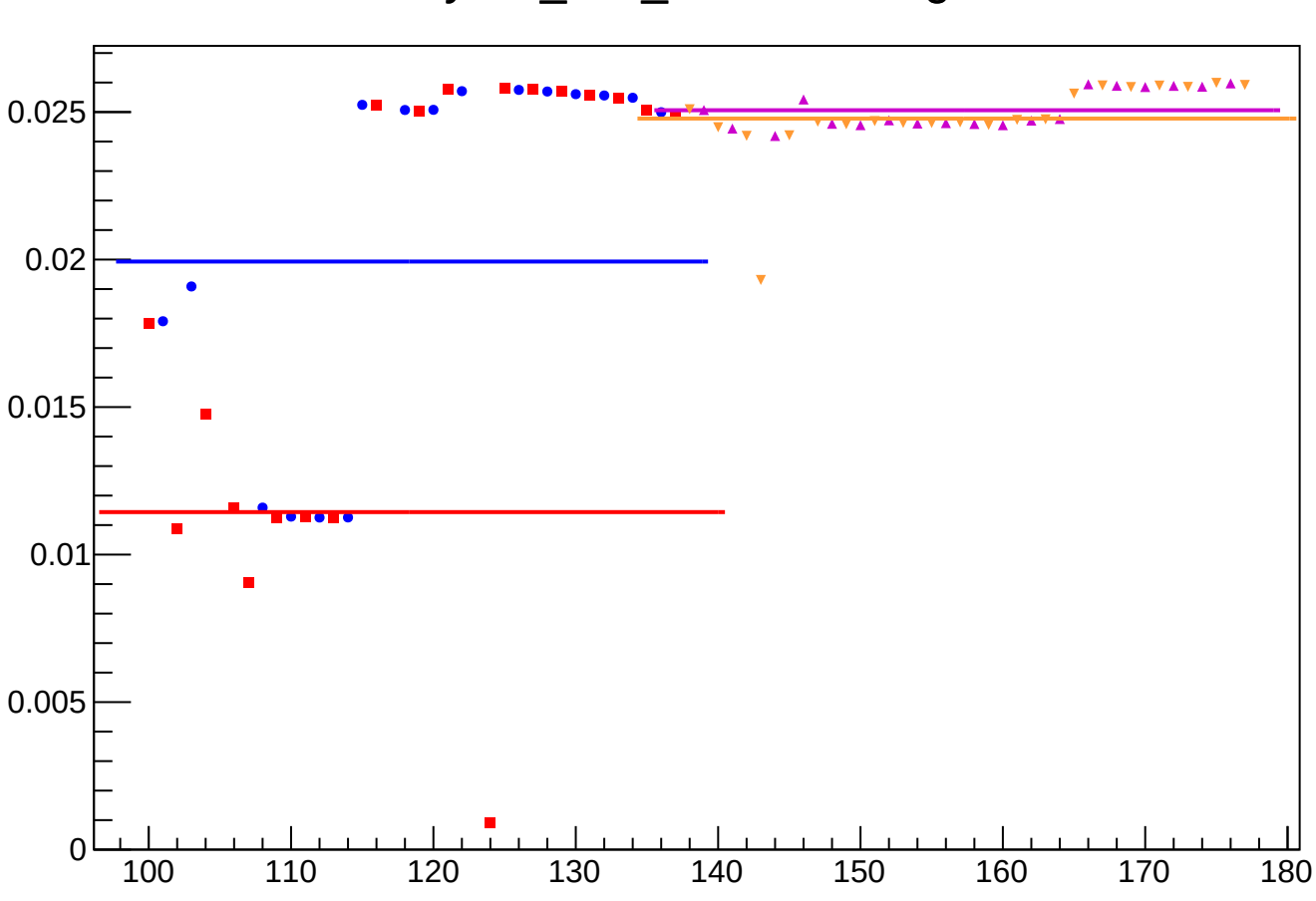
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:47262.5/18

+ sign 0.056+/-0.000 χ^2/NDF: 65739.1/36

All: 0.056+/-0.000 χ^2/NDF: 224389.5/74

- sign 0.056+/-0.000 χ^2/NDF: 157661.7/37



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:6860974129.3/20

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

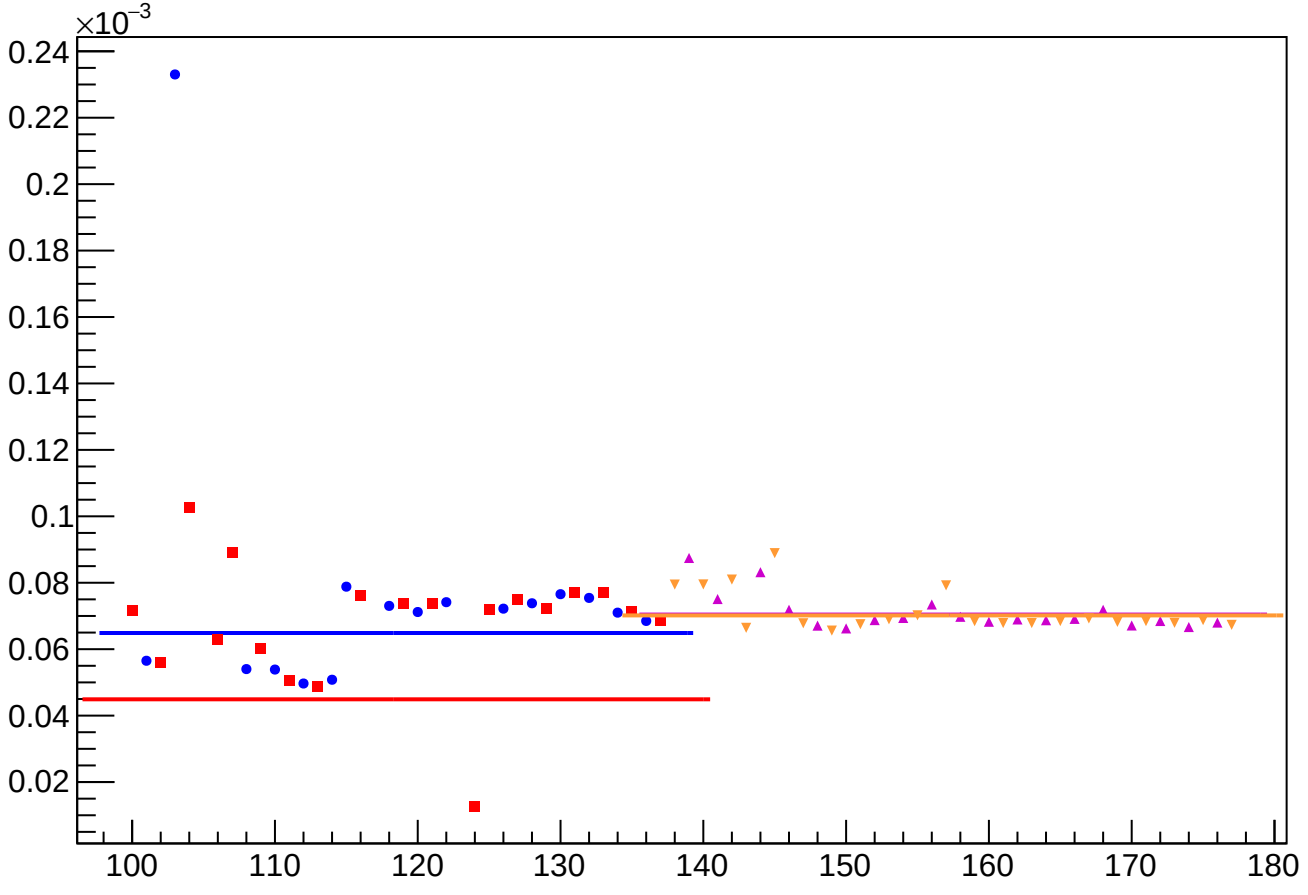
Left In: 0.025+/-0.000 χ^2/NDF:1140882679.1/18

+ sign 0.023+/-0.000 χ^2/NDF: 94185849458.2/36

All: 0.021+/-0.000 χ^2/NDF: 654192918098.6

- sign 0.019+/-0.000 χ^2/NDF: 511661605994.0/37

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:178374.3/20

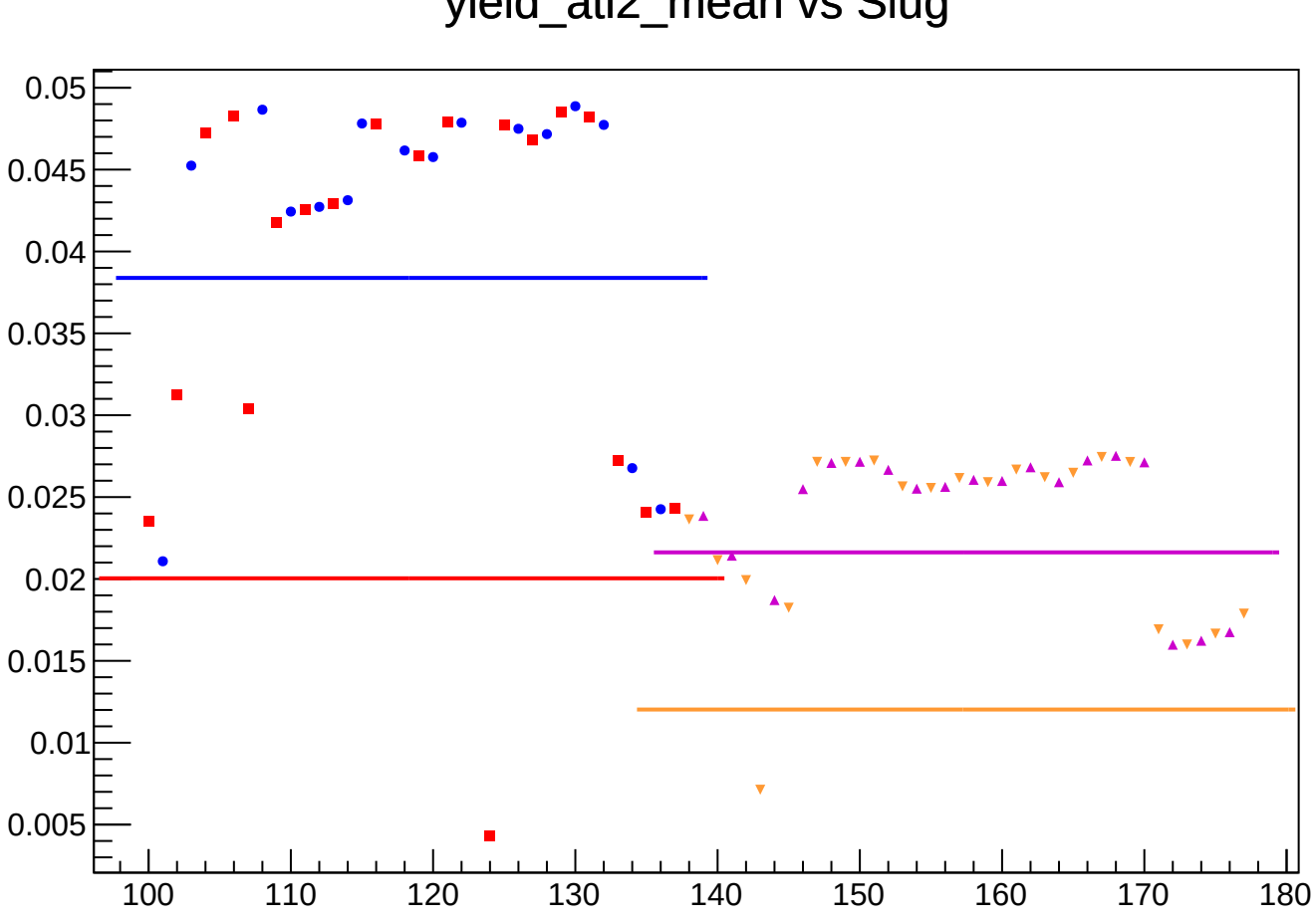
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:141071.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 1054571.7/36

All: 0.000+/-0.000 χ^2/NDF: 7242716.4/74

- sign 0.000+/-0.000 χ^2/NDF: 5712648.6/37



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:35186192353.4/20

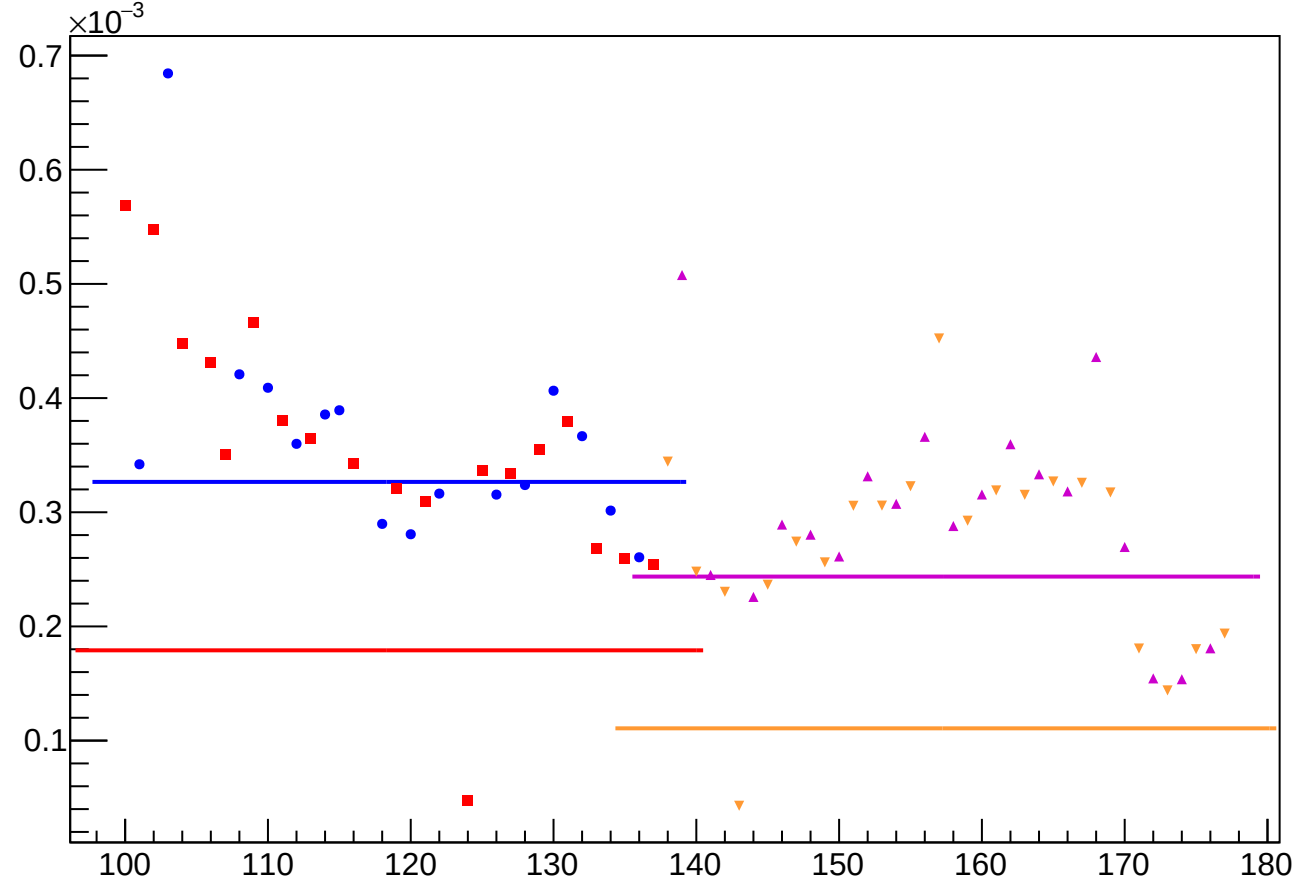
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:4985916391.0/18

+ sign 0.014+/-0.000 χ^2/NDF: 80037211024.8/36

All: 0.016+/-0.000 χ^2/NDF: 138286456567.9

- sign 0.021+/-0.000 χ^2/NDF: 47366538530.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13828572.2/20

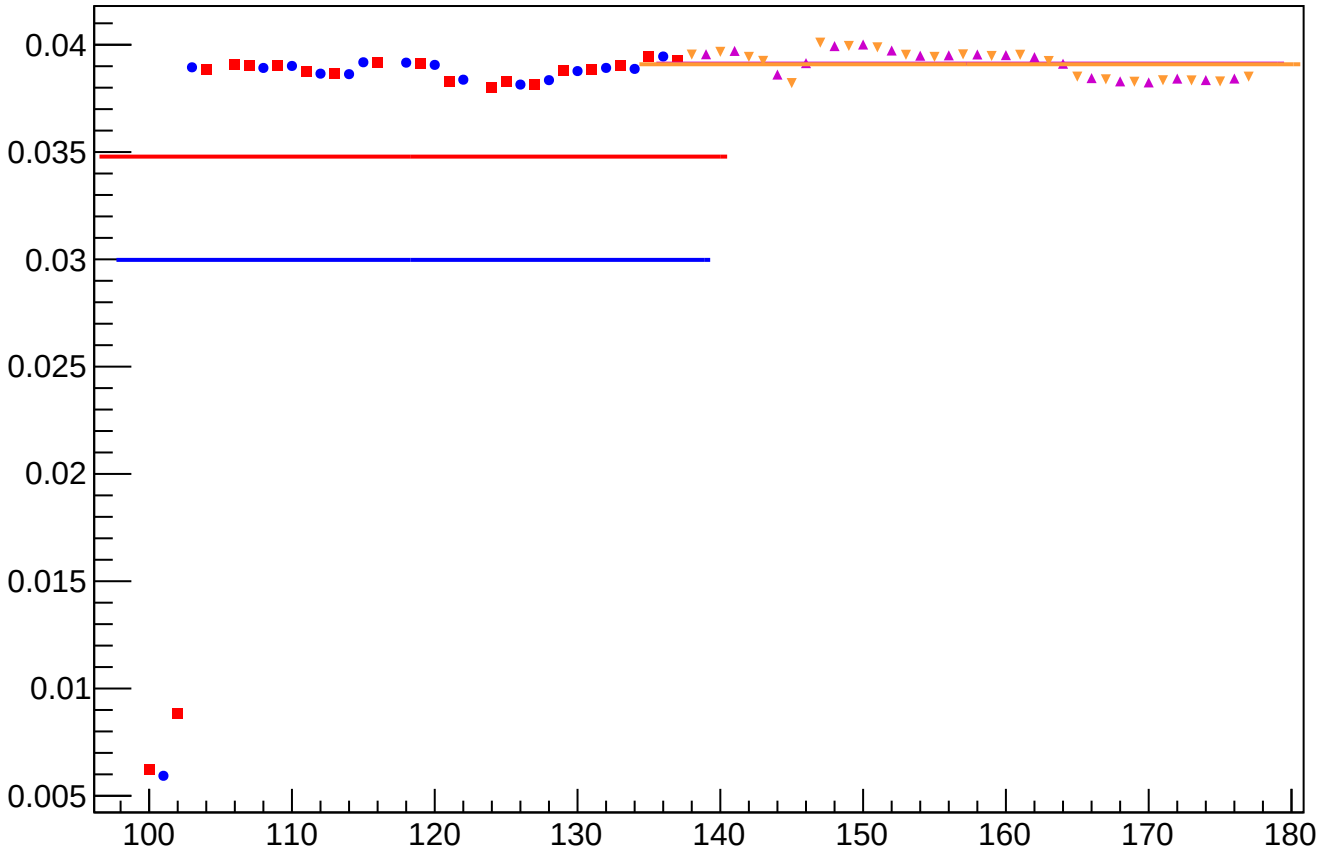
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2788286.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 19476243.2/36

All: 0.000+/-0.000 χ^2/NDF: 32473402.6/74

- sign 0.000+/-0.000 χ^2/NDF: 9099824.6/37



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:389943839.3/20

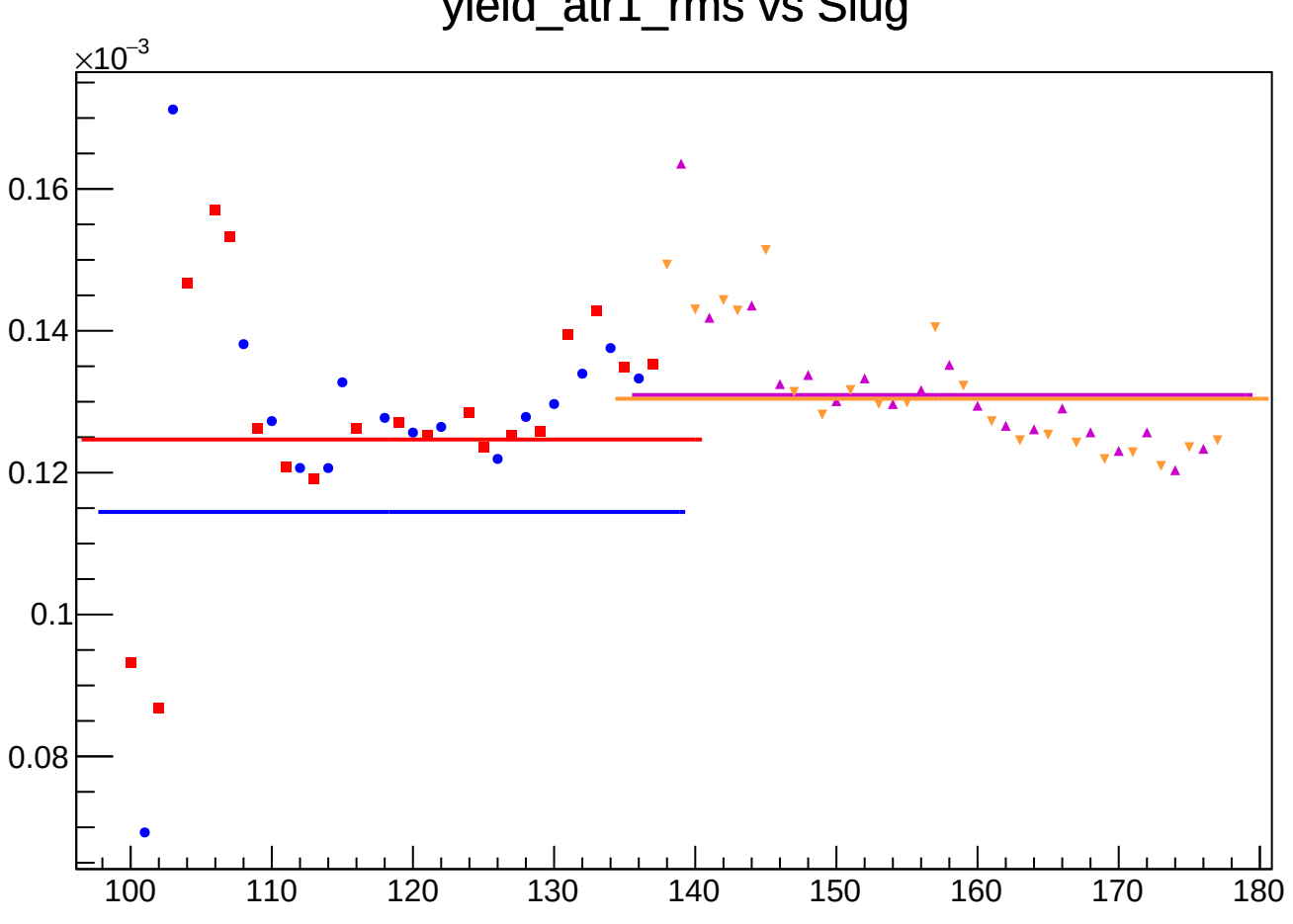
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:327219282.3/18

+ sign 0.036+/-0.000 χ^2/NDF: 136170491392.6/36

All: 0.037+/-0.000 χ^2/NDF: 191435092873.8

- sign 0.038+/-0.000 χ^2/NDF: 53152908698.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:137458.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

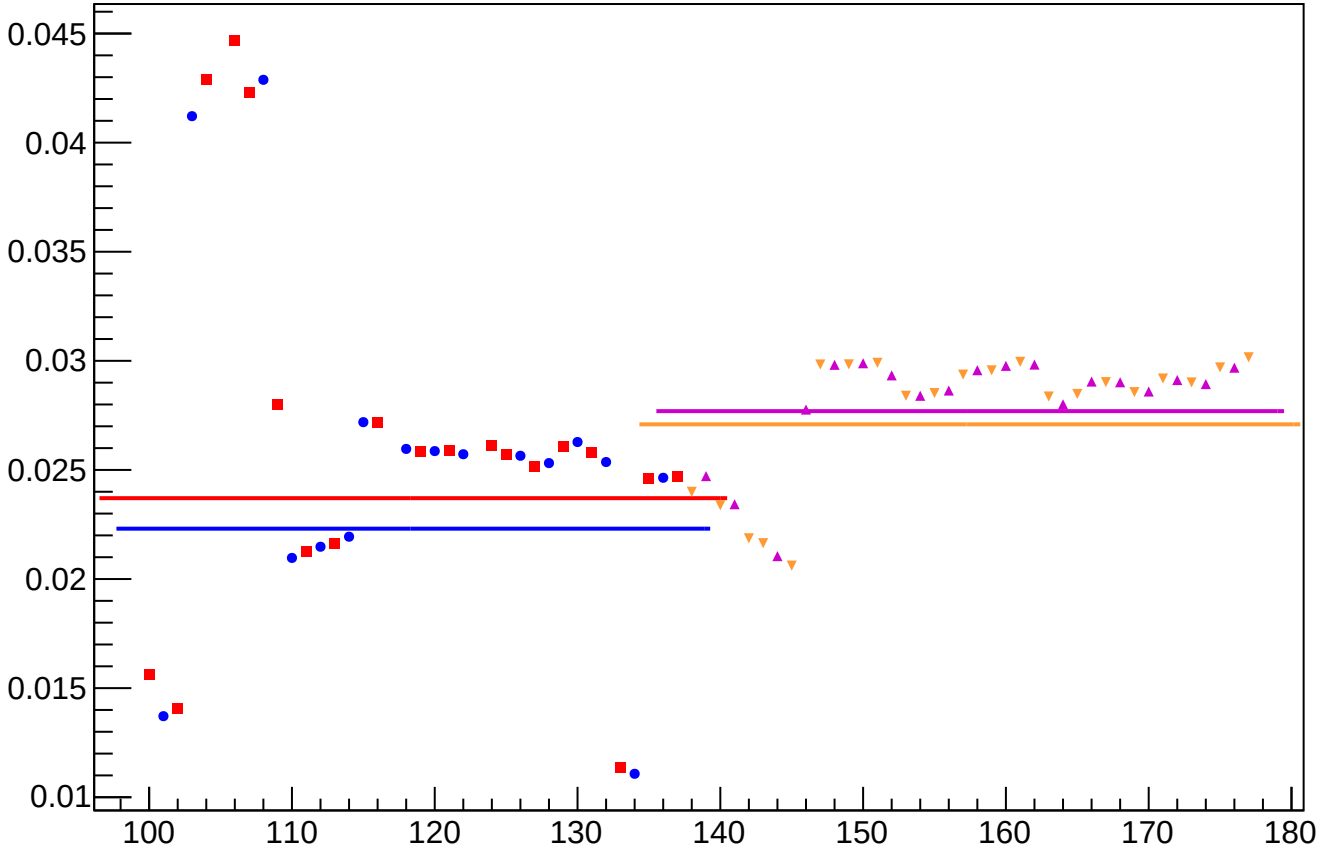
Left In: 0.000+/-0.000 χ^2/NDF:126660.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 1159284.8/36

All: 0.000+/-0.000 χ^2/NDF: 1591485.0/74

- sign 0.000+/-0.000 χ^2/NDF: 410355.0/37

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:2080788369.0/20

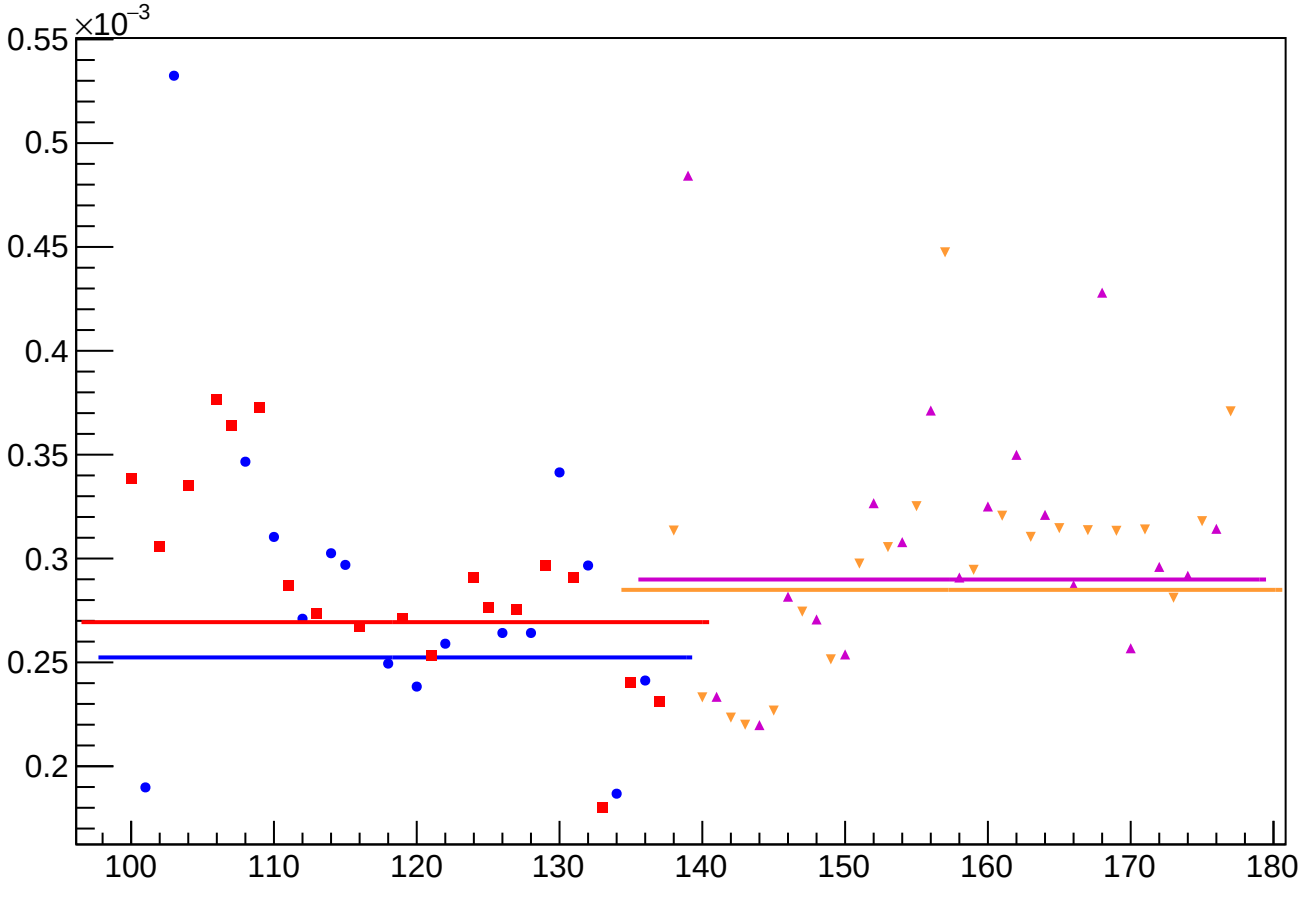
Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.028+/-0.000 χ^2/NDF:1358111147.8/18

+ sign 0.025+/-0.000 χ^2/NDF: 8545749297.2/36

All: 0.026+/-0.000 χ^2/NDF: 16512922485.8/7

- sign 0.026+/-0.000 χ^2/NDF: 7861324237.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:758304.1/20

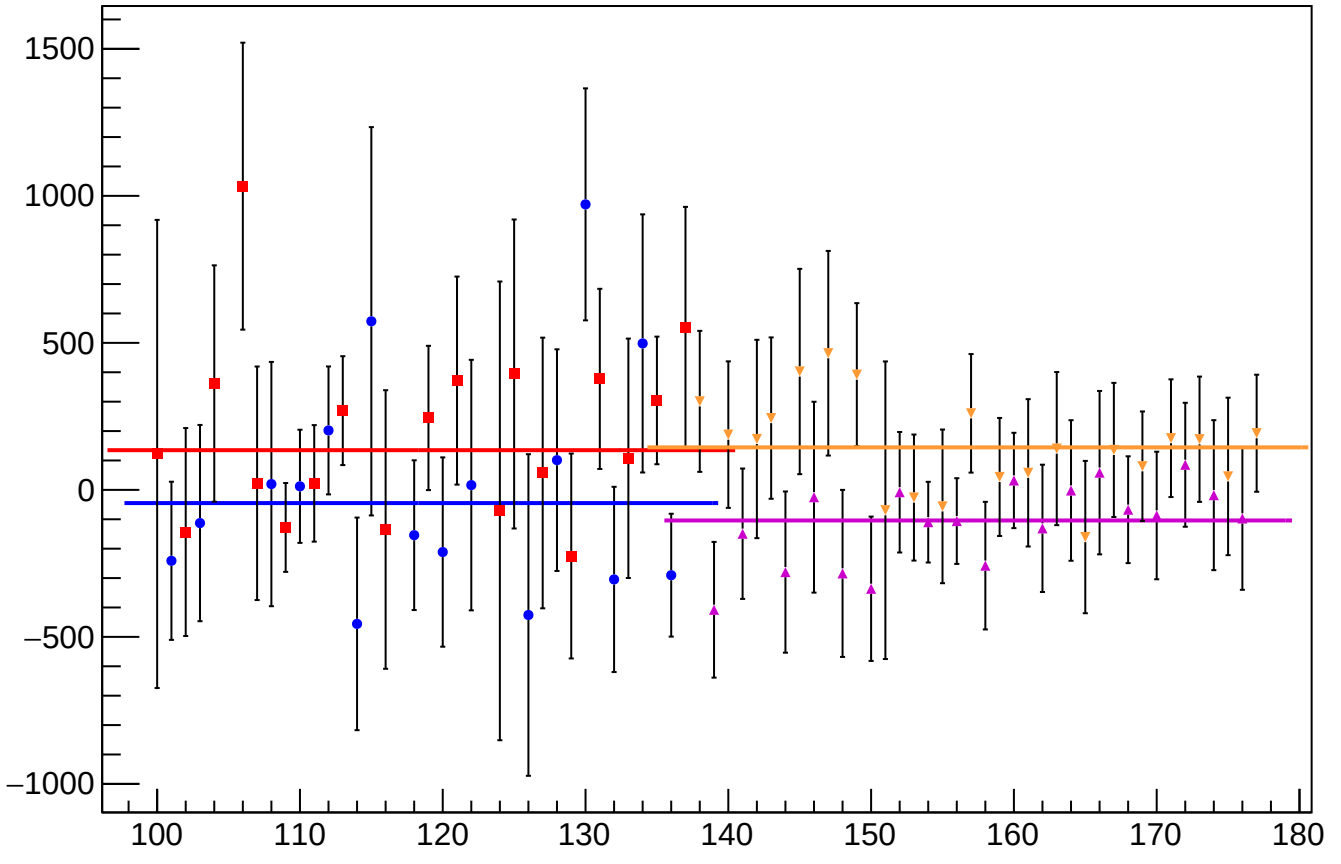
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:930472.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 1600612.9/36

All: 0.000+/-0.000 χ^2/NDF: 3048993.7/74

- sign 0.000+/-0.000 χ^2/NDF: 1425618.4/37



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 144.599+/-52.822 χ^2/NDF:6.9/20

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

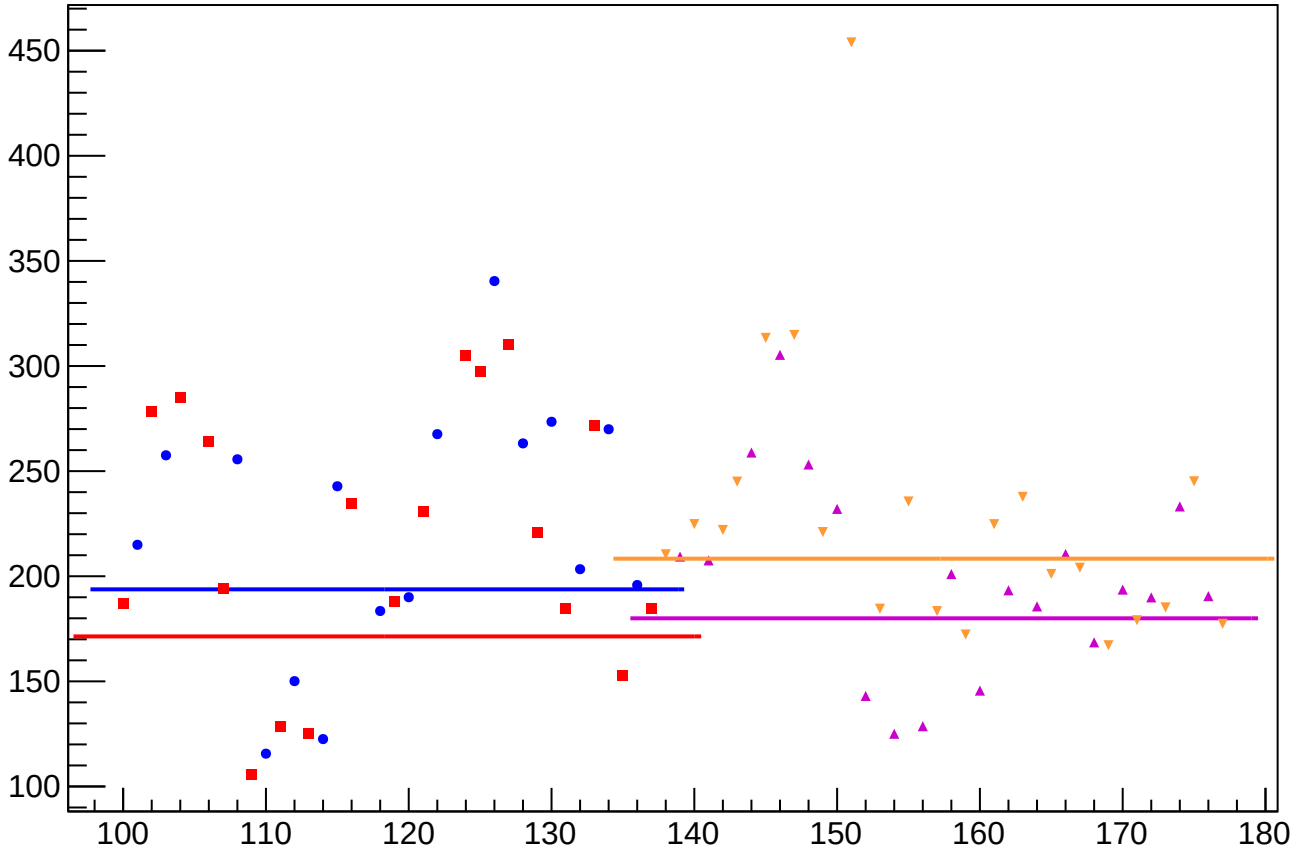
Left In: -104.047+/-48.092 χ^2/NDF:6.5/18

+ sign 83.086+/-43.411 χ^2/NDF: 26.5/36

All: 23.957+/-29.125 χ^2/NDF: 57.5/74

- sign -24.444+/-39.276 χ^2/NDF: 27.6/37

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 208.358+/-0.037 χ^2/NDF:1320292.9/20

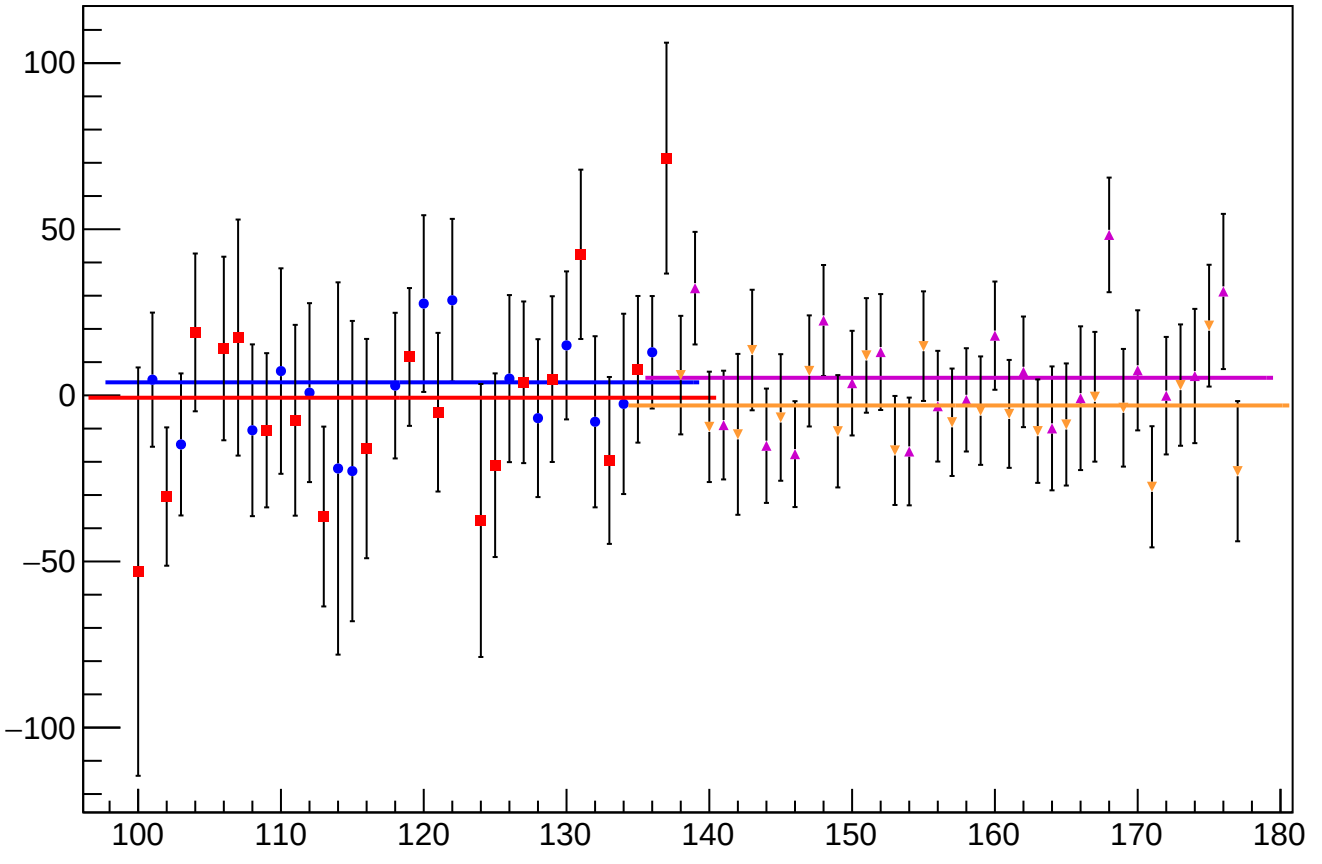
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 179.984+/-0.034 χ^2/NDF:1635498.2/18

+ sign 203.622+/-0.031 χ^2/NDF: 2417915.7/36

All: 189.049+/-0.021 χ^2/NDF: 6142701.6/74

- sign 177.120+/-0.028 χ^2/NDF: 3314887.5/37



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.040+/-3.847 χ^2/NDF:9.6/20

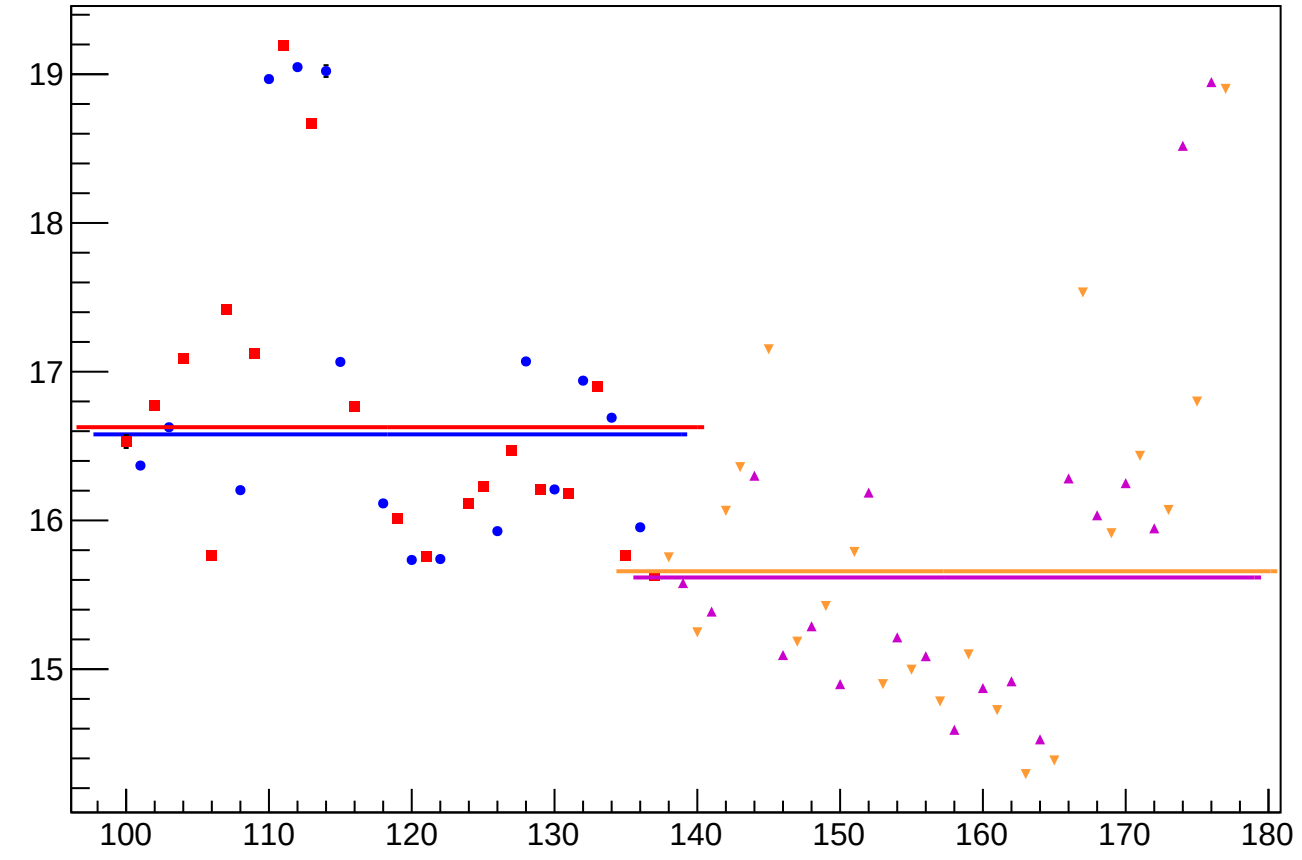
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 5.286+/-3.976 χ^2/NDF:19.3/18

\+ sign -1.092+/-3.264 χ^2/NDF: 15.1/36

All: 1.154+/-2.330 χ^2/NDF: 51.9/74

\- sign 3.488+/-3.327 χ^2/NDF: 35.9/37



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.658+/-0.003 χ^2/NDF:144911.4/20

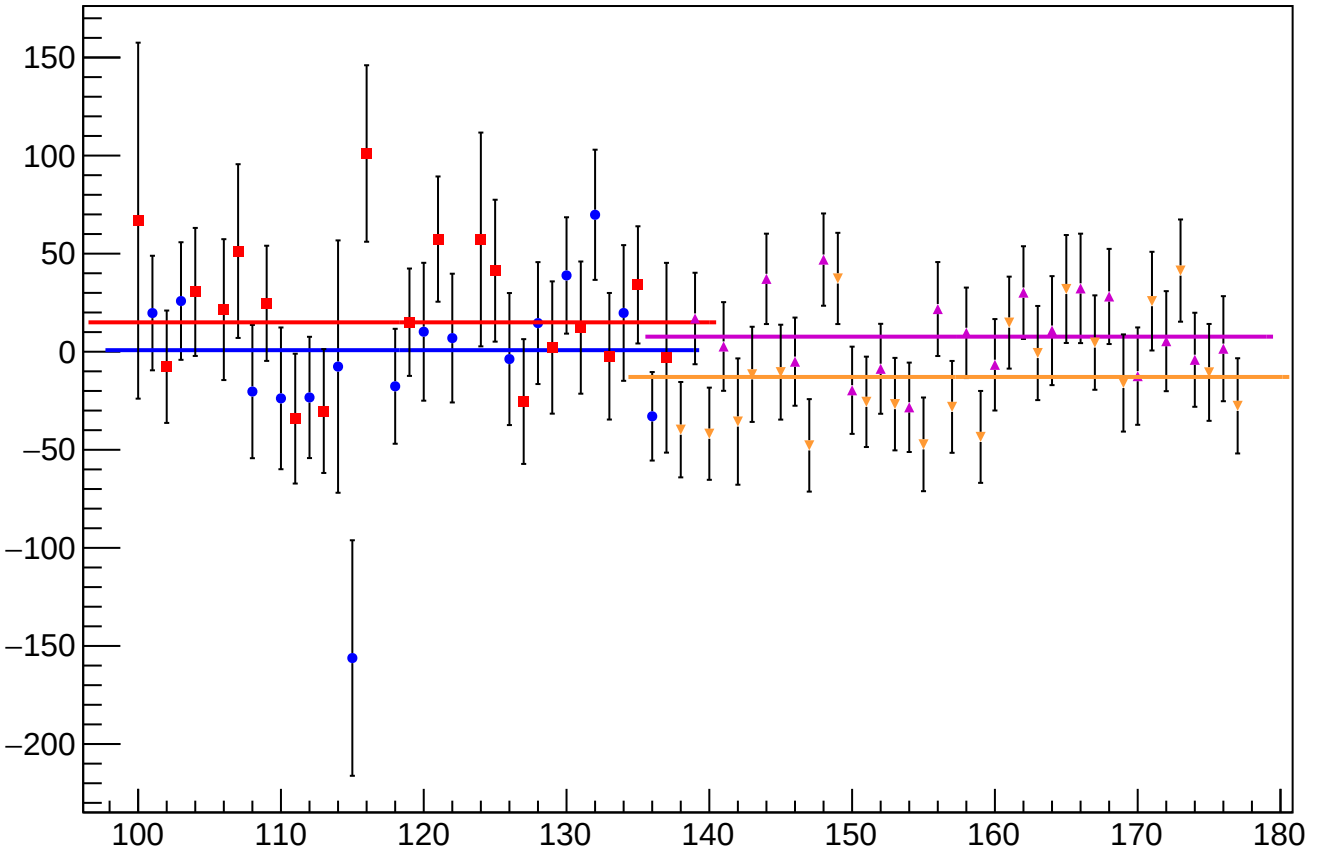
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.616+/-0.003 χ^2/NDF:127339.9/18

\+ sign 15.916+/-0.002 χ^2/NDF: 221517.4/36

All: 15.918+/-0.002 χ^2/NDF: 431043.6/74

\- sign 15.919+/-0.002 χ^2/NDF: 209525.1/37



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -12.865+/-5.328 χ^2/NDF:26.9/20

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

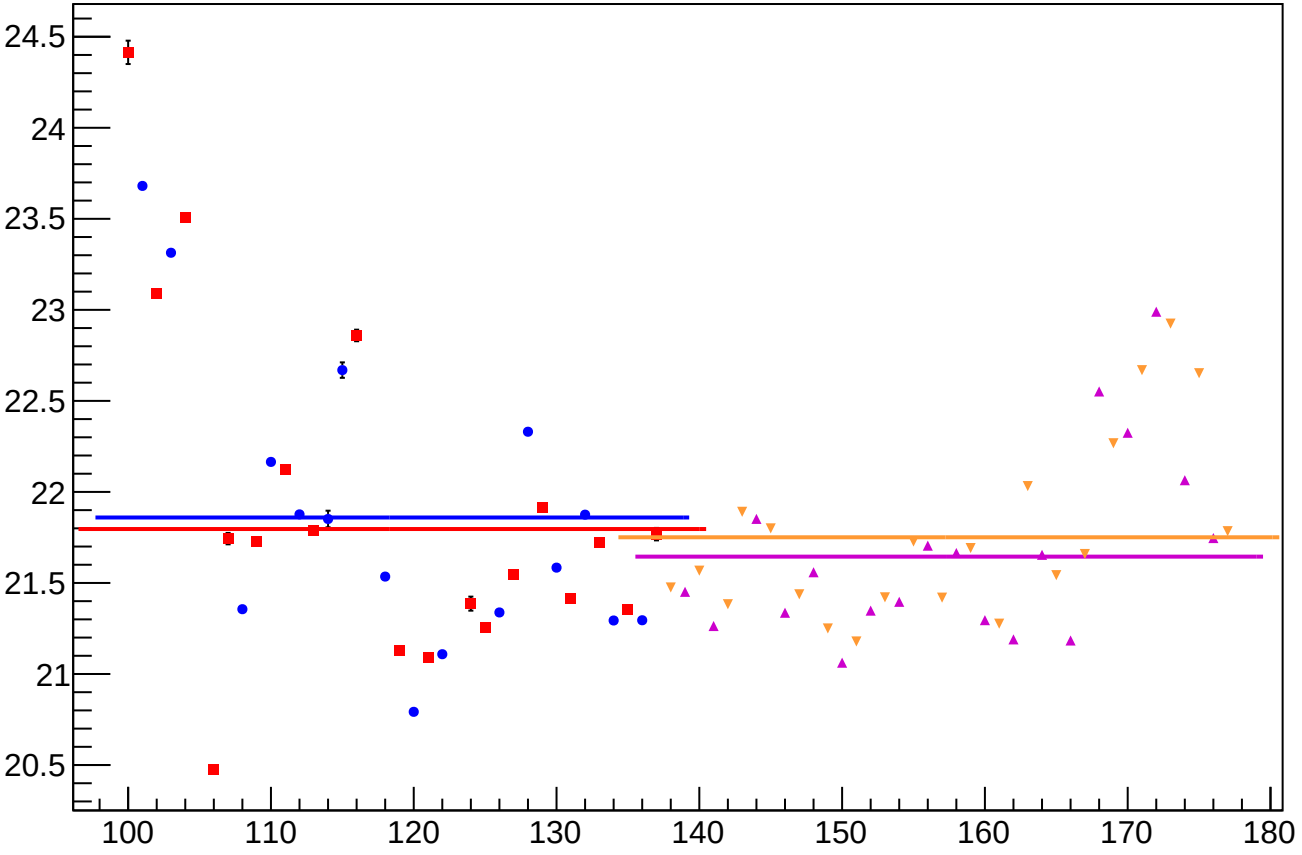
Left In: 7.678+/-5.493 χ^2/NDF:13.6/18

\+ sign -8.759+/-4.455 χ^2/NDF: 47.5/36

All: 0.504+/-3.173 χ^2/NDF: 85.8/74

\- sign 10.037+/-4.520 χ^2/NDF: 29.5/37

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: 21.751+/-0.004 χ^2/NDF:15526.2/20

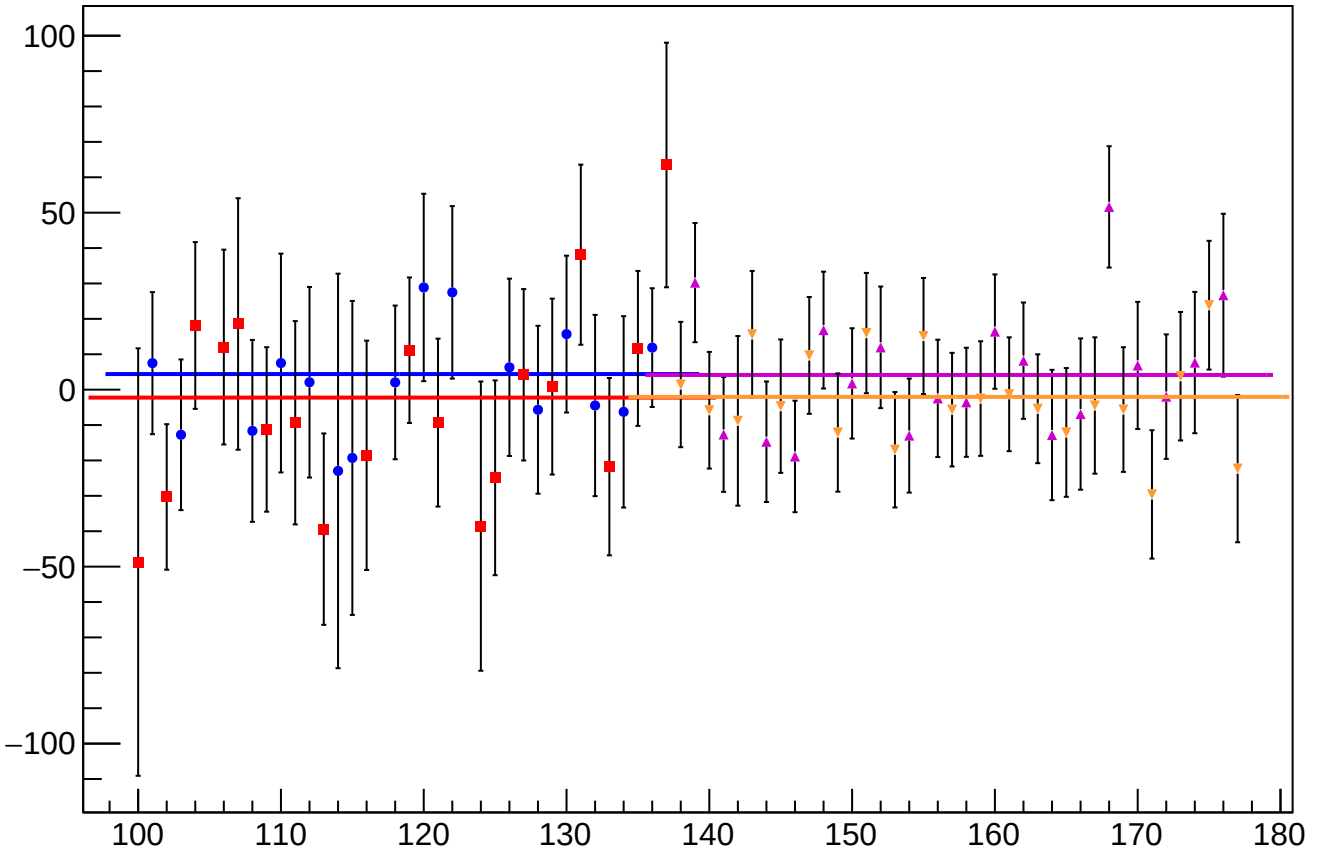
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.645+/-0.004 χ^2/NDF:15469.5/18

+ sign 21.784+/-0.003 χ^2/NDF: 35244.6/36

All: 21.739+/-0.002 χ^2/NDF: 70469.6/74

- sign 21.694+/-0.003 χ^2/NDF: 34823.0/37



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -2.047+/-3.810 χ^2/NDF:10.9/20

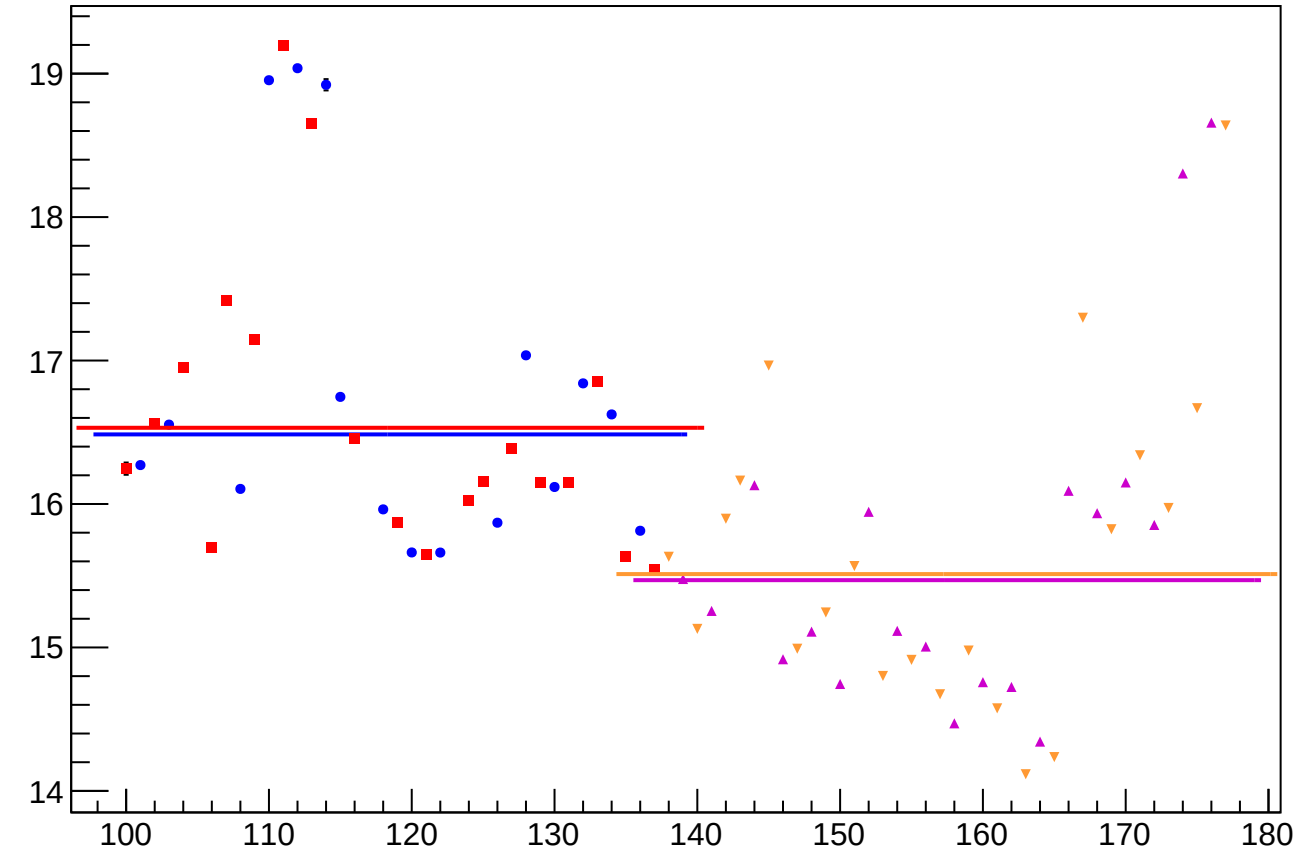
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 4.150+/-3.938 χ^2/NDF:19.8/18

\+ sign -0.252+/-3.237 χ^2/NDF: 16.0/36

All: 0.972+/-2.311 χ^2/NDF: 52.2/74

\- sign 2.244+/-3.299 χ^2/NDF: 35.9/37



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.511+/-0.003 χ^2/NDF:142483.6/20

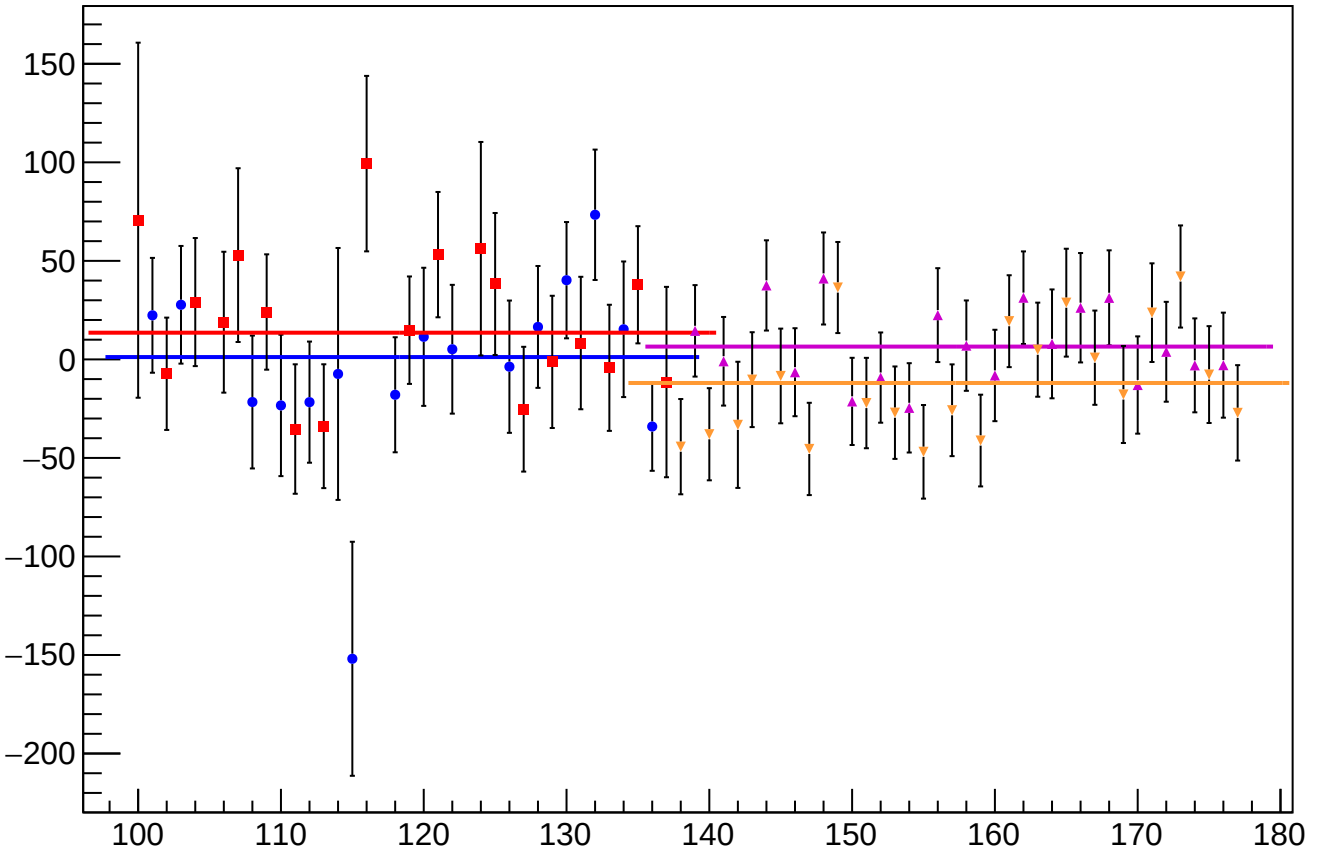
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.469+/-0.003 χ^2/NDF:124745.4/18

\+ sign 15.782+/-0.002 χ^2/NDF: 226004.9/36

All: 15.784+/-0.002 χ^2/NDF: 440607.3/74

\- sign 15.786+/-0.002 χ^2/NDF: 214601.3/37



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -11.967+/-5.298 χ^2/NDF:26.3/20

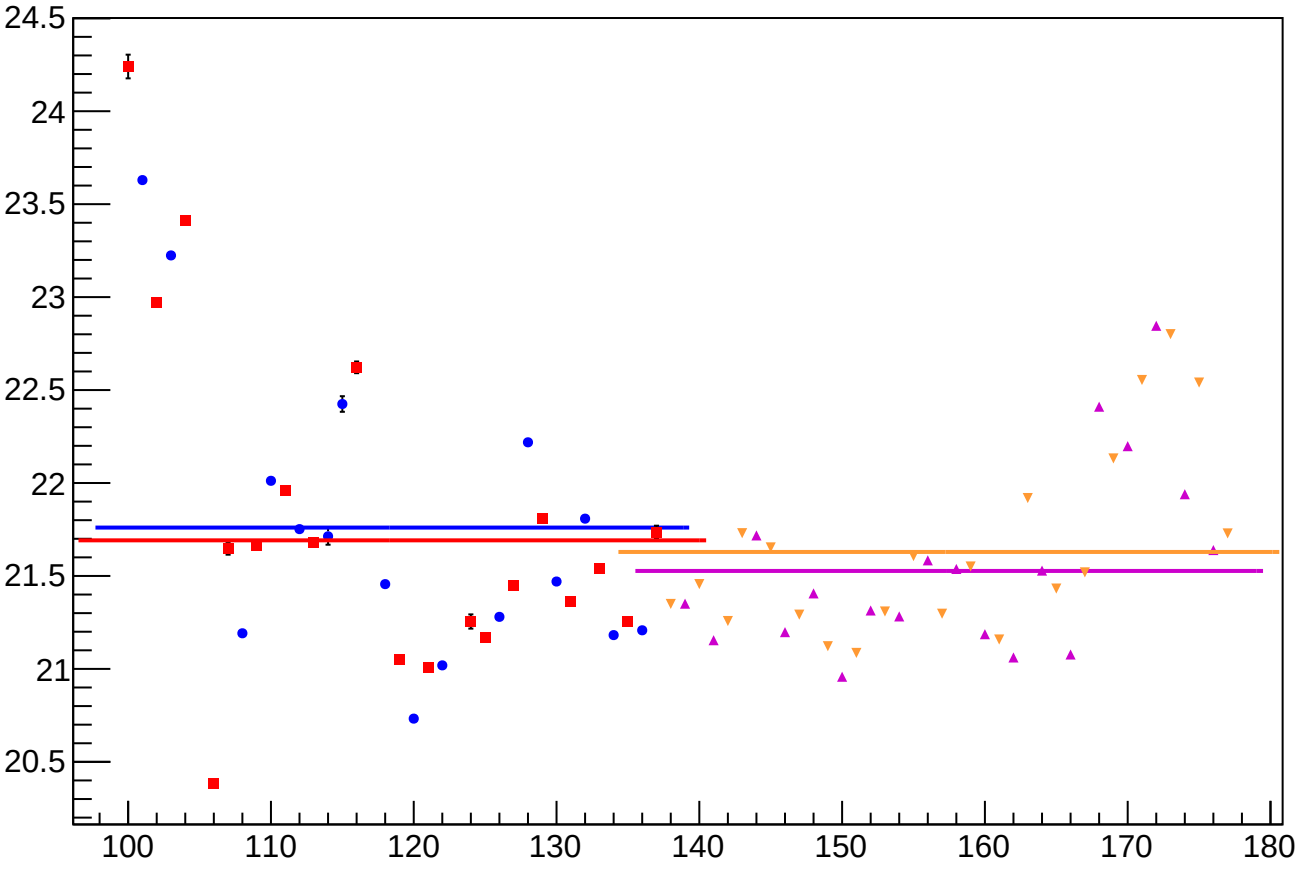
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 6.496+/-5.463 χ^2/NDF:13.0/18

\+ sign -8.018+/-4.432 χ^2/NDF: 47.5/36

All: 0.256+/-3.156 χ^2/NDF: 84.1/74

\- sign 8.772+/-4.496 χ^2/NDF: 29.4/37



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.629+/-0.004 χ^2/NDF:15682.4/20

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

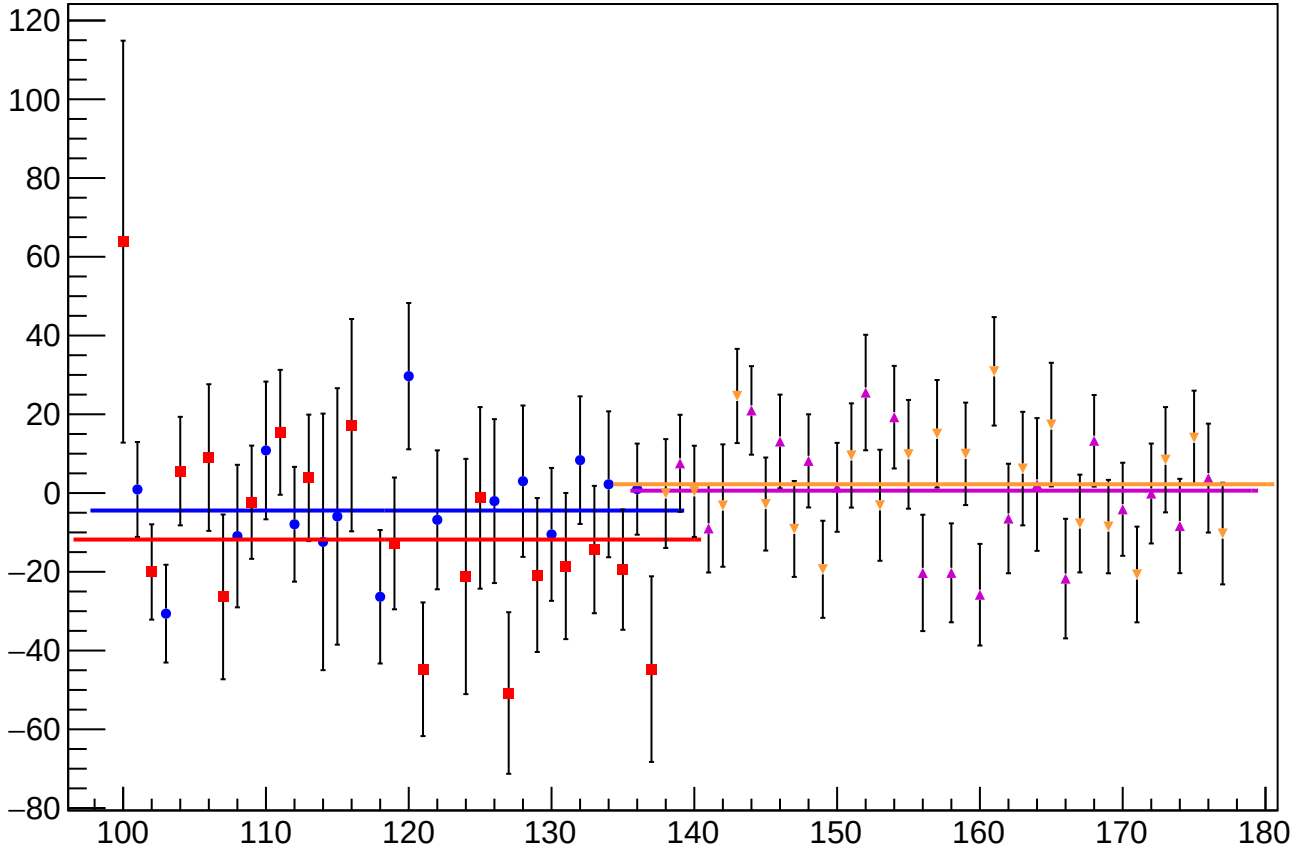
Left In: 21.527+/-0.004 χ^2/NDF:14991.3/18

+ sign 21.669+/-0.003 χ^2/NDF: 35796.0/36

All: 21.625+/-0.002 χ^2/NDF: 70096.4/74

- sign 21.580+/-0.003 χ^2/NDF: 33907.9/37

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.240+/-2.832 χ^2/NDF:22.3/20

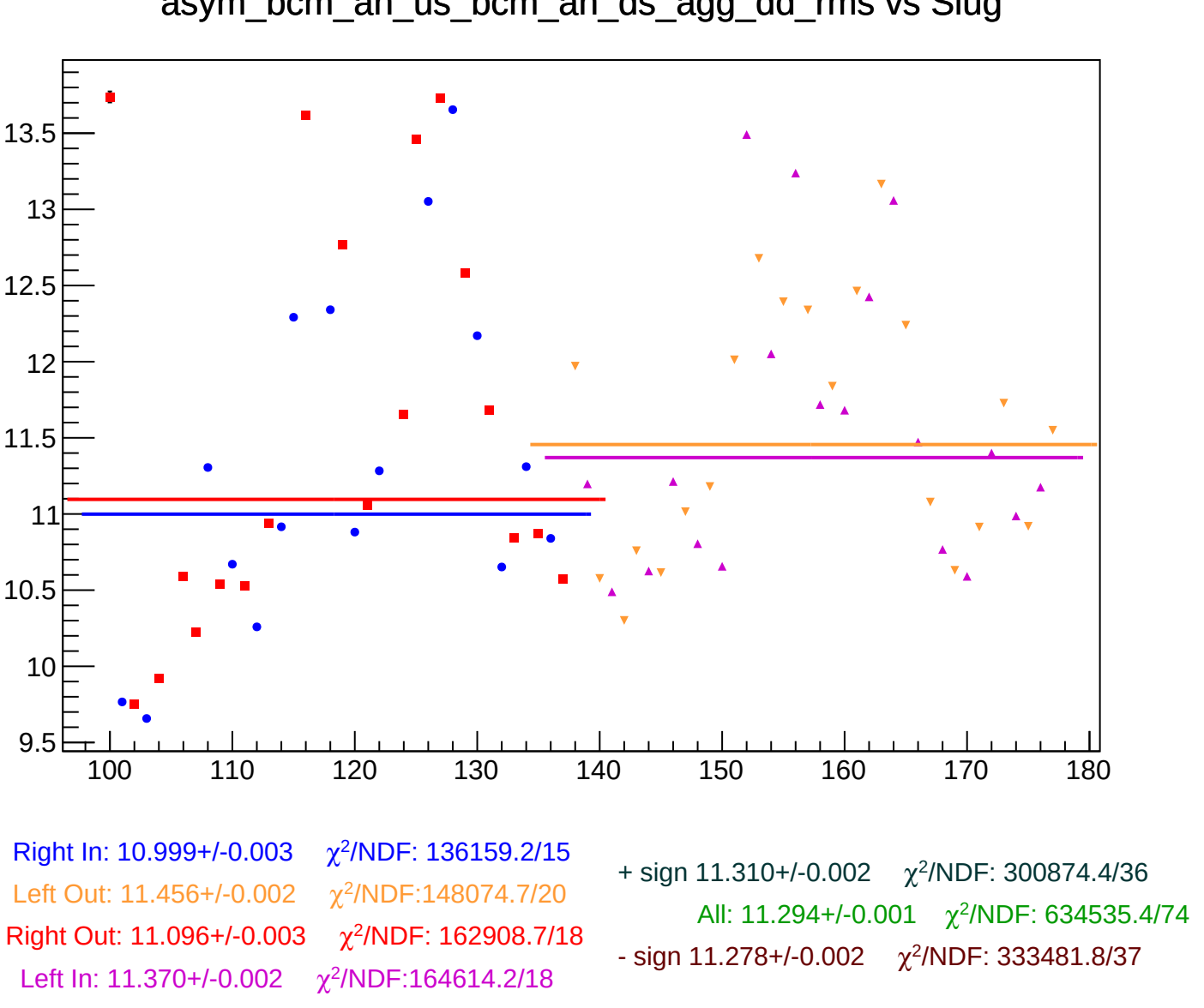
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 0.609+/-2.911 χ^2/NDF:24.1/18

+ sign 0.104+/-2.336 χ^2/NDF: 36.0/36

All: -1.697+/-1.665 χ^2/NDF: 89.2/74

- sign -3.556+/-2.373 χ^2/NDF: 52.0/37


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
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110
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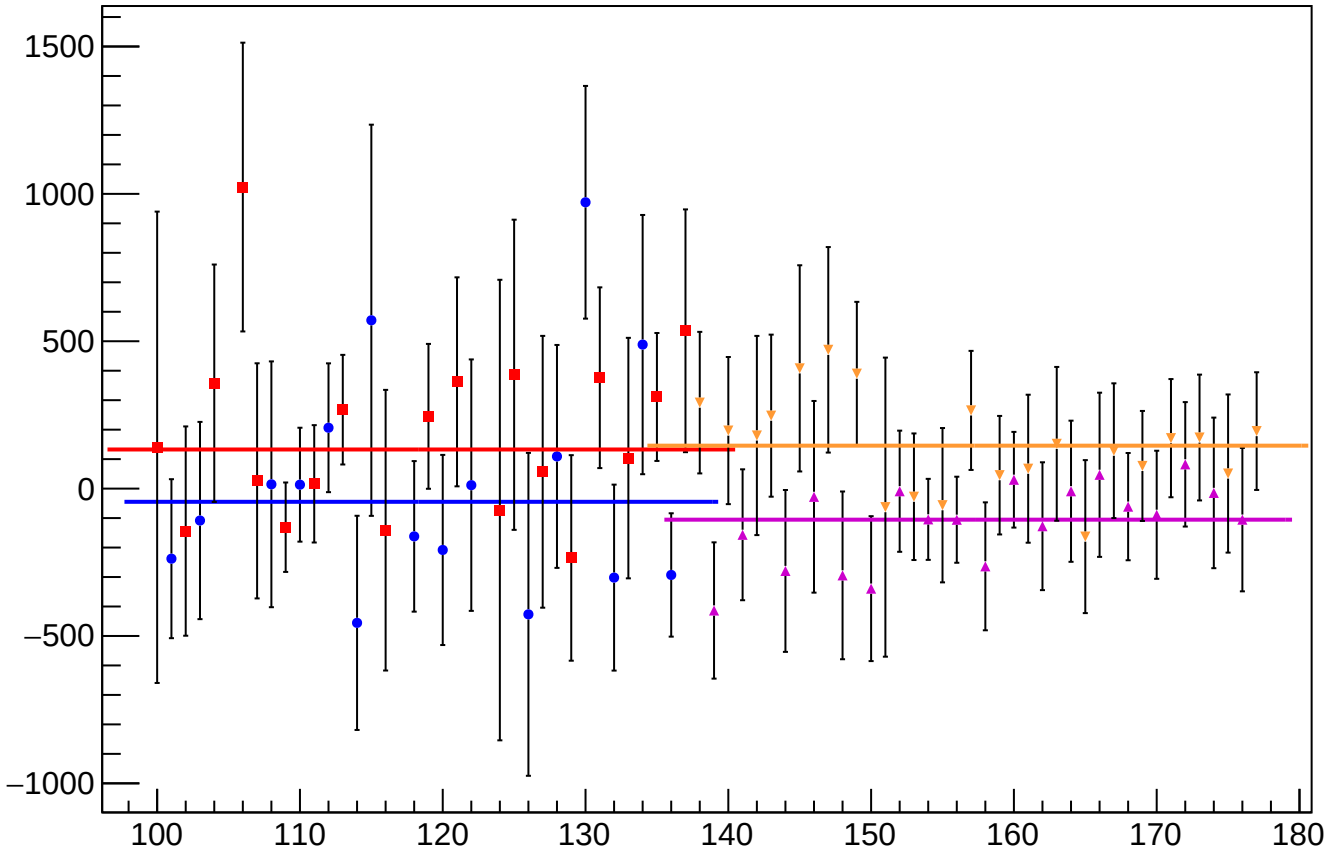
130
140
150
160
170
180
Right In: 10.999+/-0.003 χ²/NDF: 136159.2/15
Left Out: 11.456+/-0.002 χ²/NDF:148074.7/20
Right Out: 11.096+/-0.003 χ²/NDF: 162908.7/18
Left In: 11.370+/-0.002 χ²/NDF:164614.2/18
+ sign 11.310+/-0.002 χ²/NDF: 300874.4/36
All: 11.294+/-0.001 χ²/NDF: 634535.4/74
- sign 11.278+/-0.002 χ²/NDF: 333481.8/37



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 145.713+/-52.920 χ^2/NDF:6.9/20

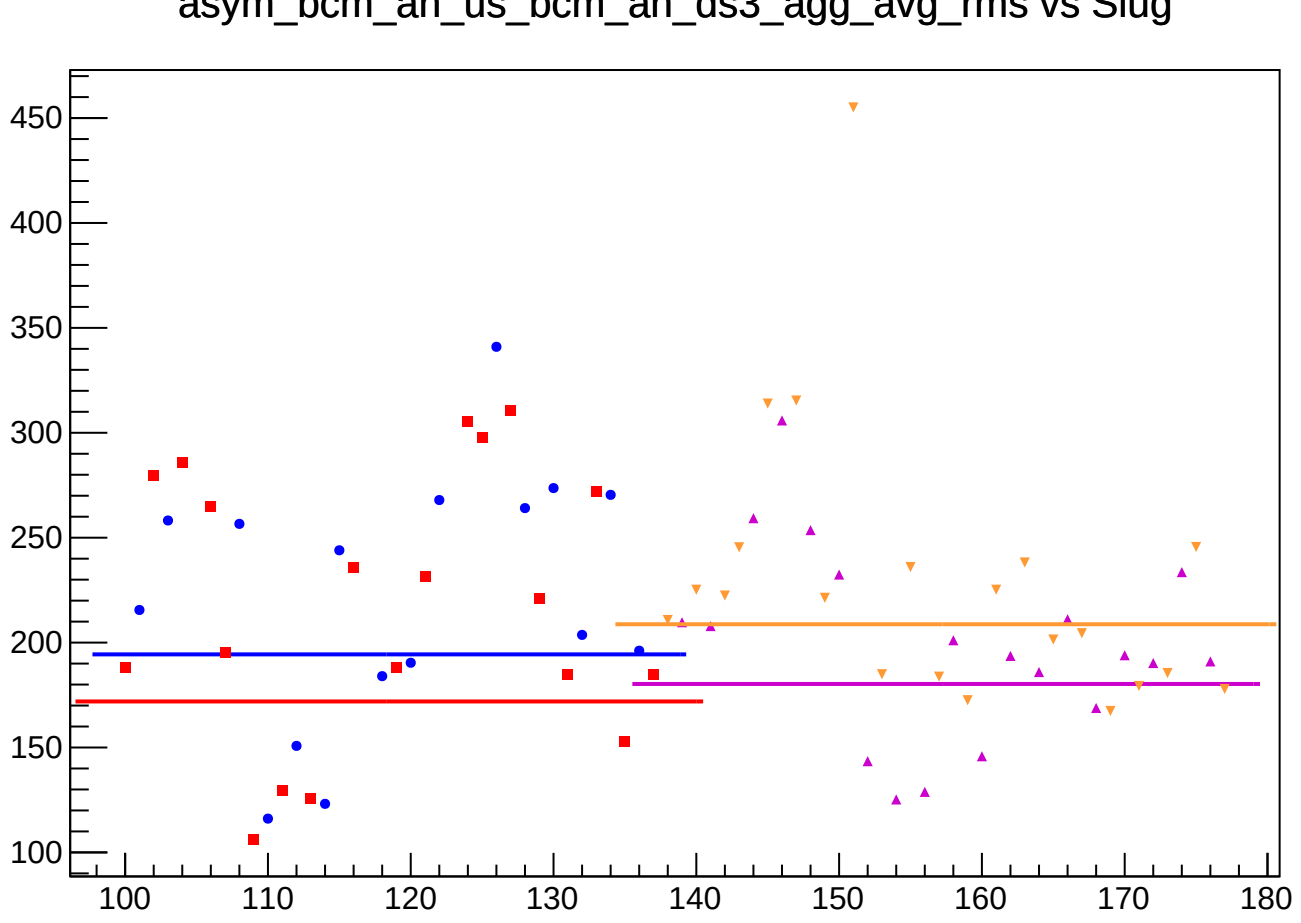
Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: -105.407+/-48.172 χ^2/NDF:6.5/18

+ sign 83.969+/-43.507 χ^2/NDF: 26.5/36

All: 23.356+/-29.188 χ^2/NDF: 57.5/74

- sign -26.252+/-39.360 χ^2/NDF: 27.5/37



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 208.742+/-0.037 χ^2/NDF:1320607.9/20

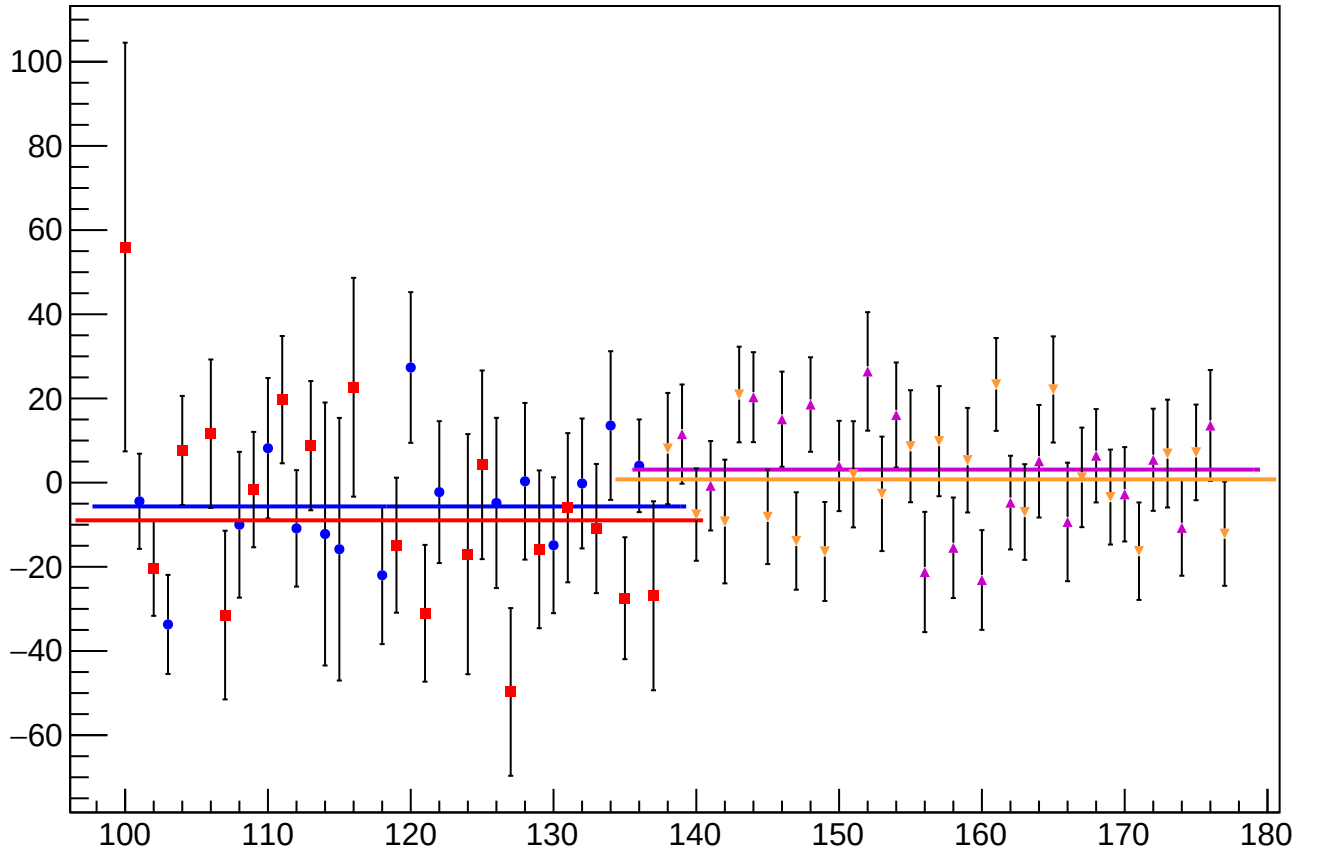
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.282+/-0.034 χ^2/NDF:1636042.8/18

+ sign 204.089+/-0.031 χ^2/NDF: 2410337.8/36

All: 189.474+/-0.021 χ^2/NDF: 6128027.5/74

- sign 177.512+/-0.028 χ^2/NDF: 3307278.2/37



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.771+/-2.637 χ^2/NDF:21.4/20

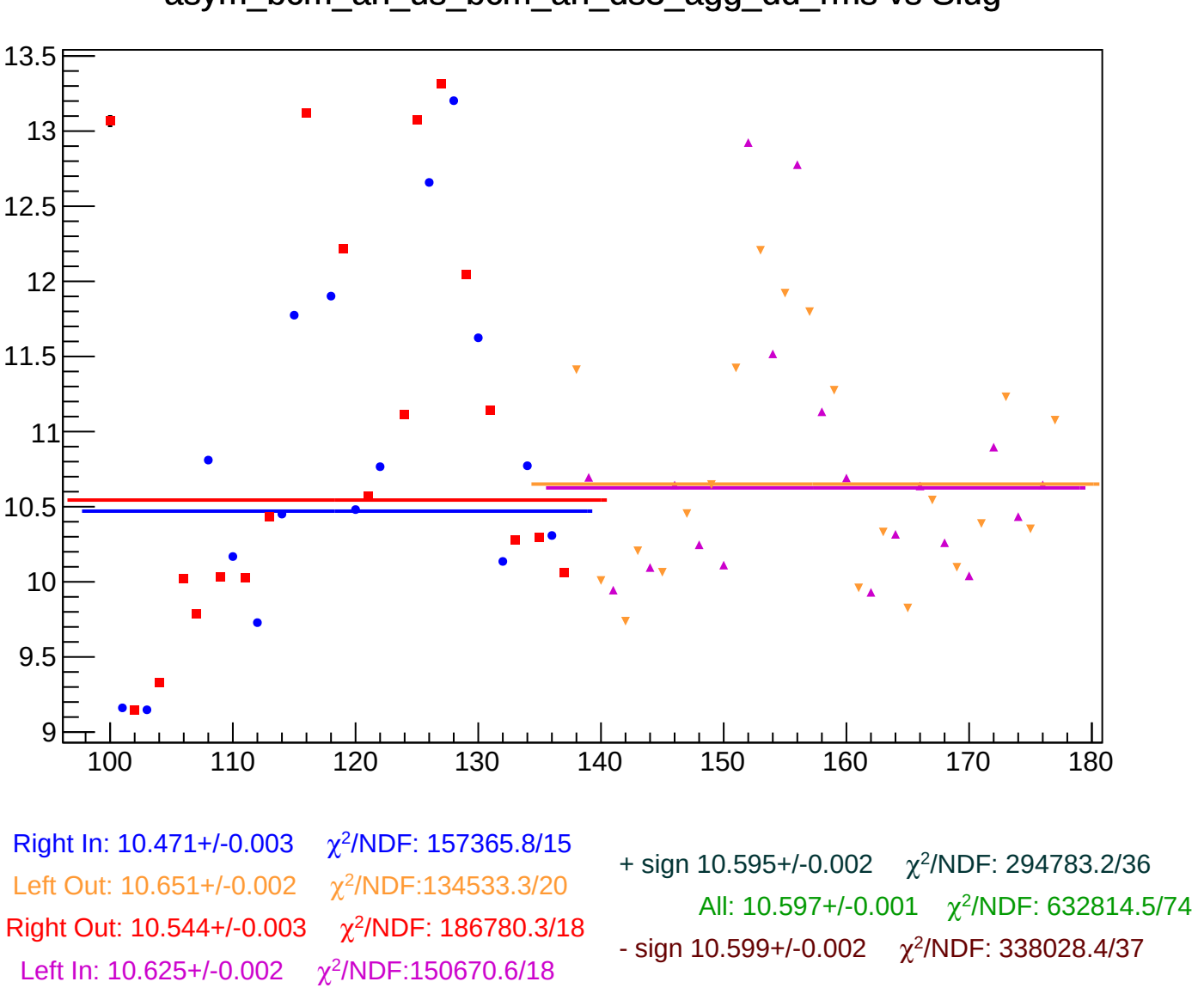
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 3.098+/-2.724 χ^2/NDF:24.1/18

+ sign -1.218+/-2.191 χ^2/NDF: 36.9/36

All: -1.039+/-1.564 χ^2/NDF: 90.2/74

- sign -0.854+/-2.233 χ^2/NDF: 53.3/37


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
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100
110
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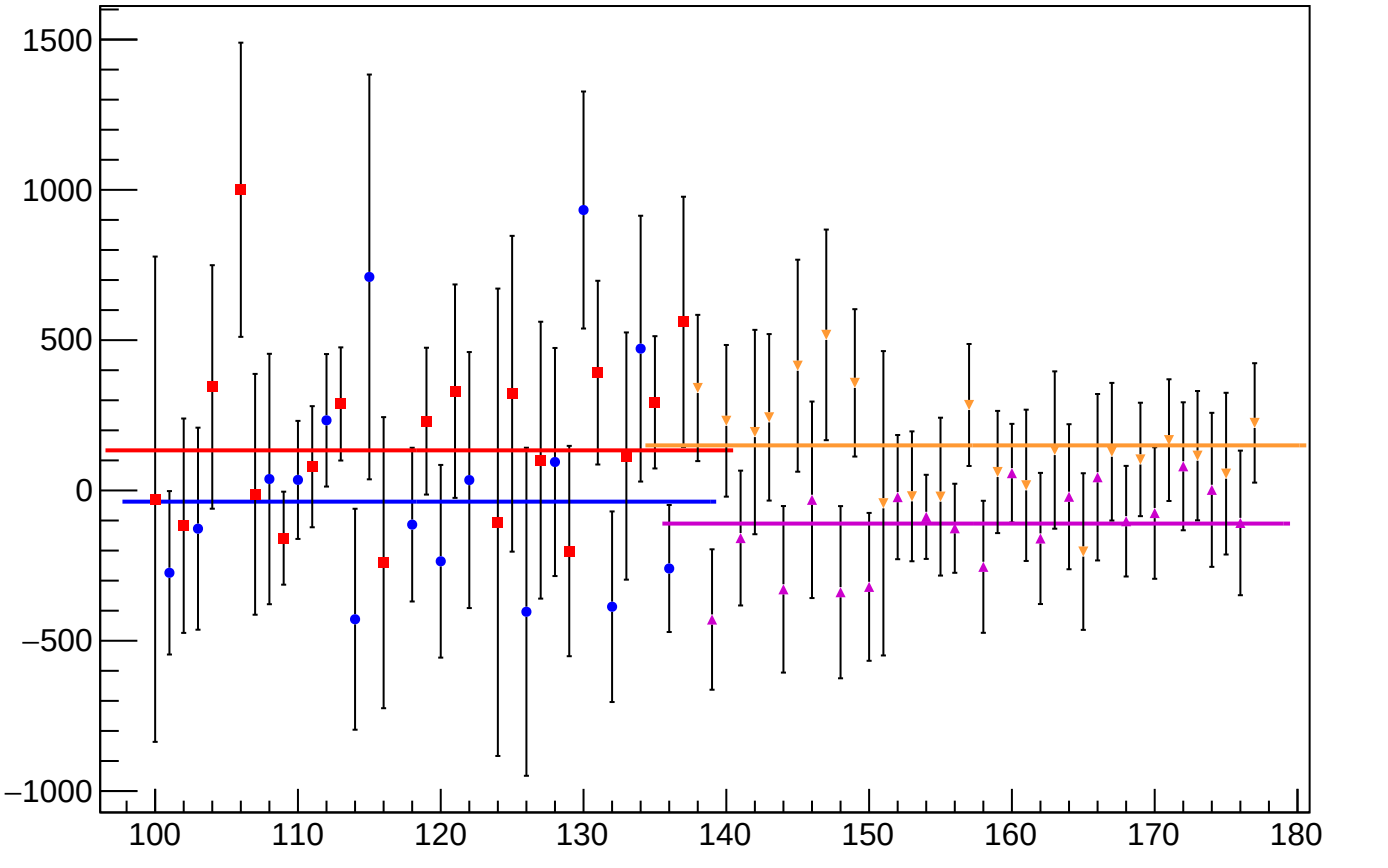
130
140
150
160
170
180
Right In: 10.471+/-0.003 χ²/NDF: 157365.8/15
Left Out: 10.651+/-0.002 χ²/NDF:134533.3/20
Right Out: 10.544+/-0.003 χ²/NDF: 186780.3/18
Left In: 10.625+/-0.002 χ²/NDF:150670.6/18
+ sign 10.595+/-0.002 χ²/NDF: 294783.2/36
All: 10.597+/-0.001 χ²/NDF: 632814.5/74
- sign 10.599+/-0.002 χ²/NDF: 338028.4/37



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 149.957+/-53.230 χ^2/NDF:7.5/20

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

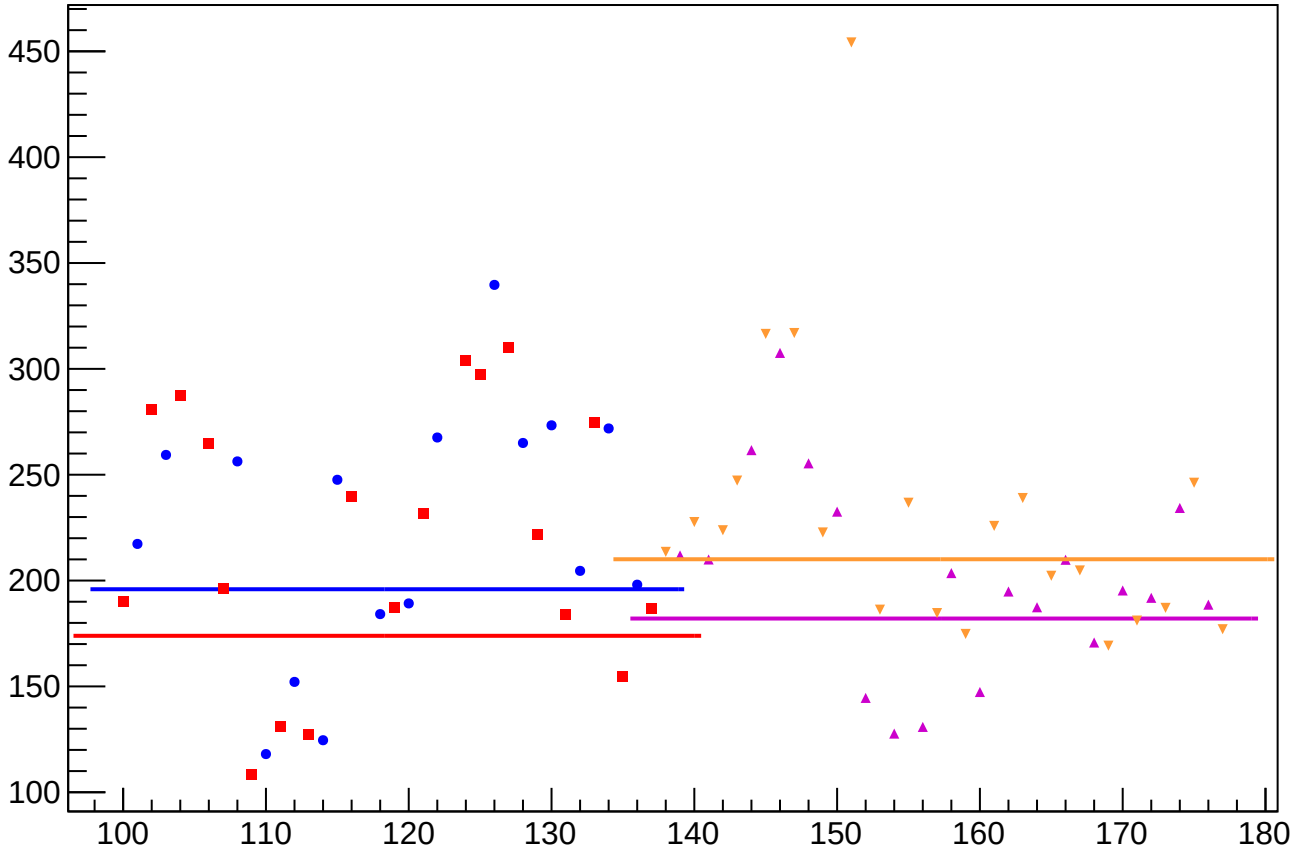
Left In: -110.196+/-48.588 χ^2/NDF:7.2/18

+ sign 89.334+/-43.770 χ^2/NDF: 27.2/36

All: 24.270+/-29.408 χ^2/NDF: 59.6/74

- sign -29.271+/-39.705 χ^2/NDF: 28.4/37

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 210.066+/-0.038 χ^2/NDF:1308764.9/20

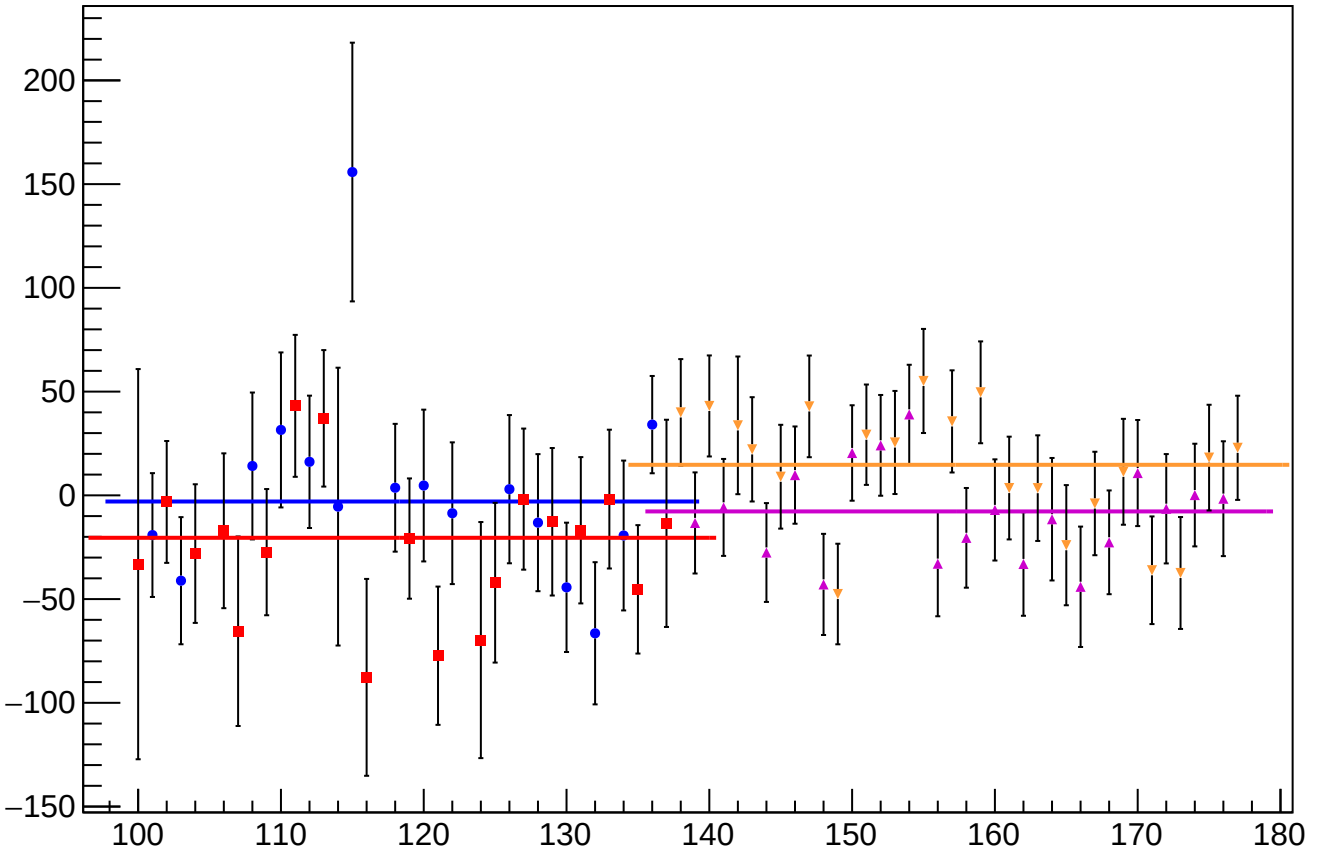
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 182.058+/-0.034 χ^2/NDF:1585263.2/18

+ sign 205.478+/-0.031 χ^2/NDF: 2365653.1/36

All: 191.144+/-0.021 χ^2/NDF: 5960271.8/74

- sign 179.348+/-0.028 χ^2/NDF: 3203597.3/37



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.719+/-5.557 χ^2/NDF:27.1/20

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

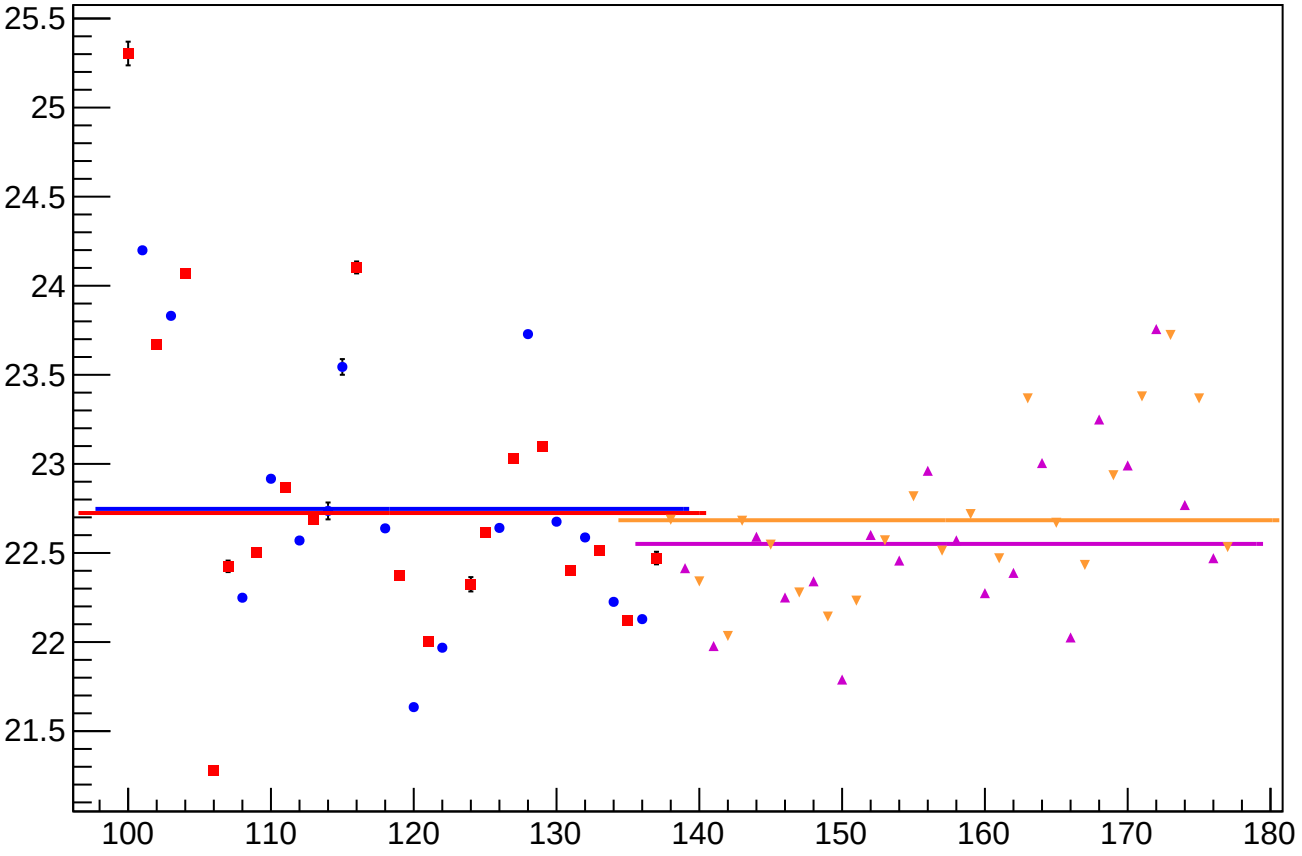
Left In: -7.750+/-5.723 χ^2/NDF:15.3/18

+ sign 9.383+/-4.644 χ^2/NDF: 48.1/36

All: -1.083+/-3.307 χ^2/NDF: 90.6/74

- sign -11.850+/-4.710 χ^2/NDF: 32.2/37

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: 22.684+/-0.004 χ^2/NDF:11577.8/20

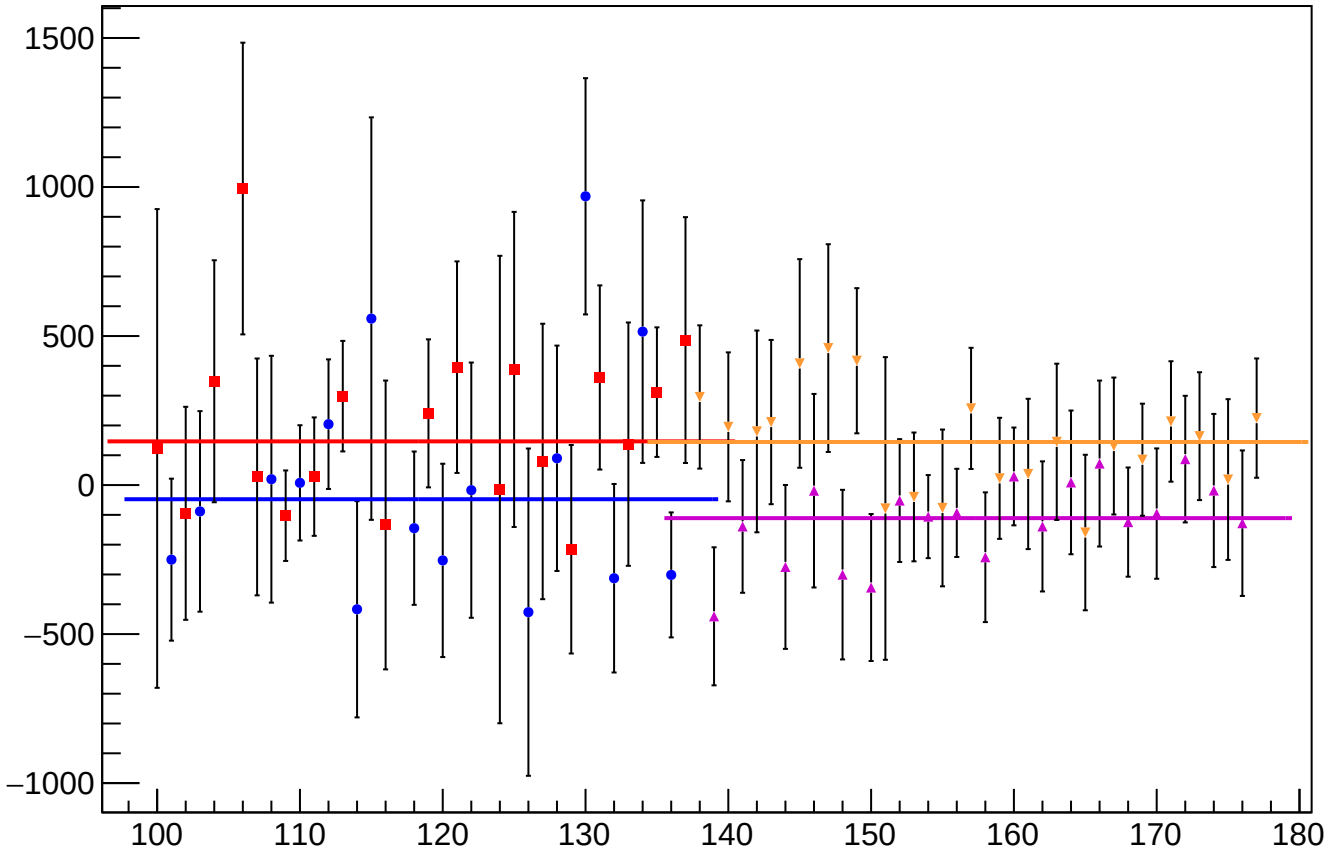
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.551+/-0.004 χ^2/NDF:12488.9/18

+ sign 22.703+/-0.003 χ^2/NDF: 26279.9/36

All: 22.656+/-0.002 χ^2/NDF: 54274.1/74

- sign 22.607+/-0.003 χ^2/NDF: 27571.6/37



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 144.555+/-53.163 χ^2/NDF:7.6/20

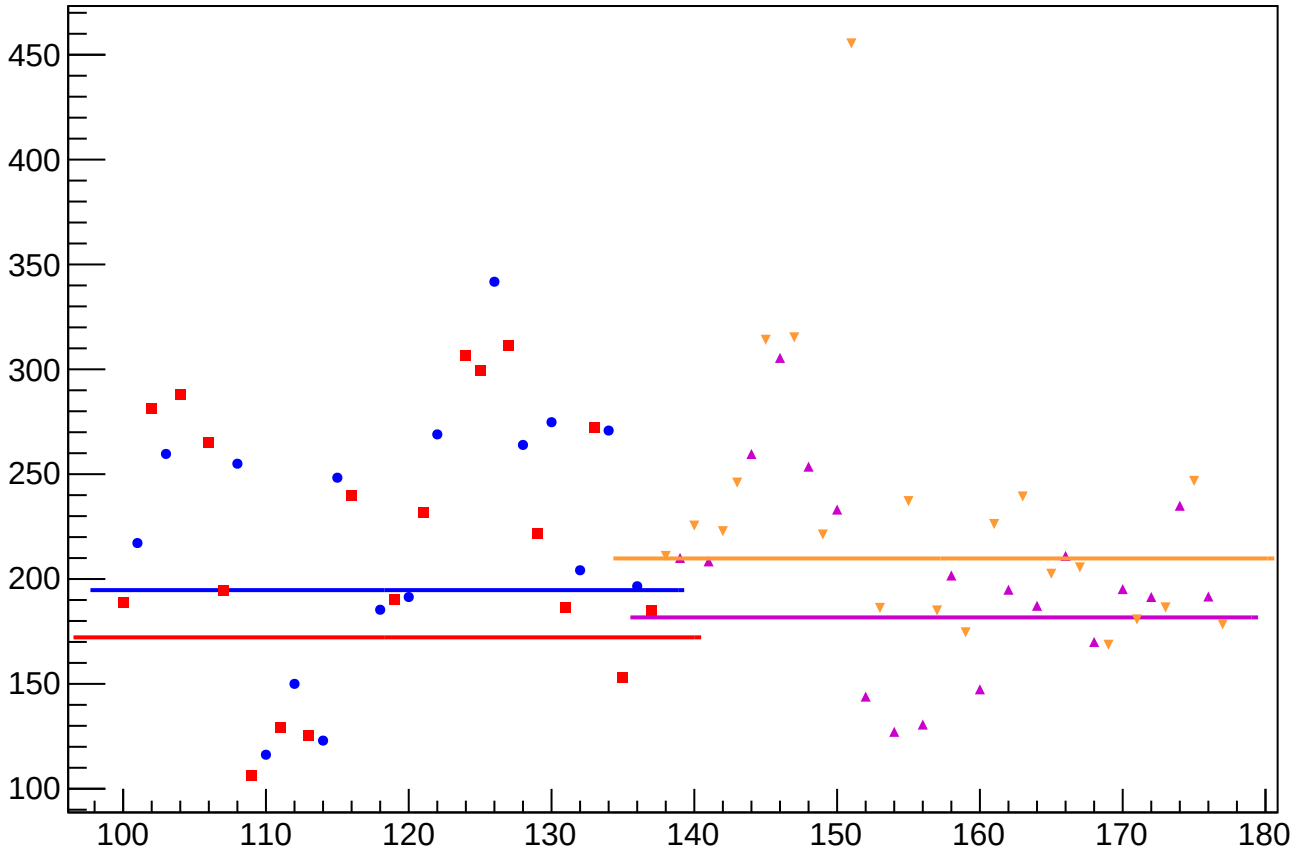
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -110.976+/-48.497 χ^2/NDF:6.7/18

+ sign 82.081+/-43.670 χ^2/NDF: 27.2/36

All: 23.370+/-29.319 χ^2/NDF: 58.2/74

- sign -24.814+/-39.561 χ^2/NDF: 27.7/37



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 209.814+/-0.038 χ^2/NDF:1297728.4/20

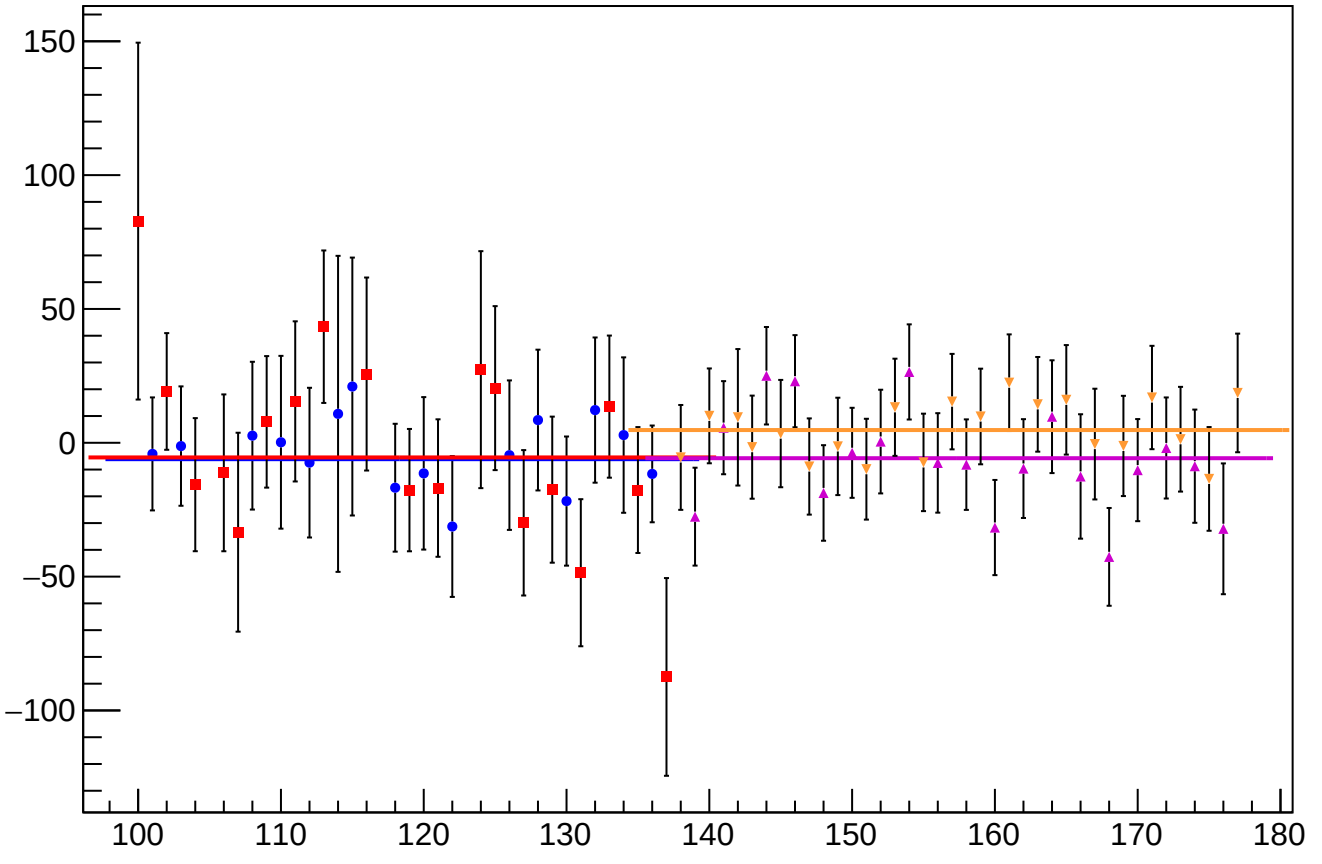
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.699+/-0.034 χ^2/NDF:1580736.4/18

+ sign 204.901+/-0.031 χ^2/NDF: 2402539.9/36

All: 190.409+/-0.021 χ^2/NDF: 6081073.6/74

- sign 178.516+/-0.028 χ^2/NDF: 3277548.6/37



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.758+/-4.166 χ^2/NDF:6.3/20

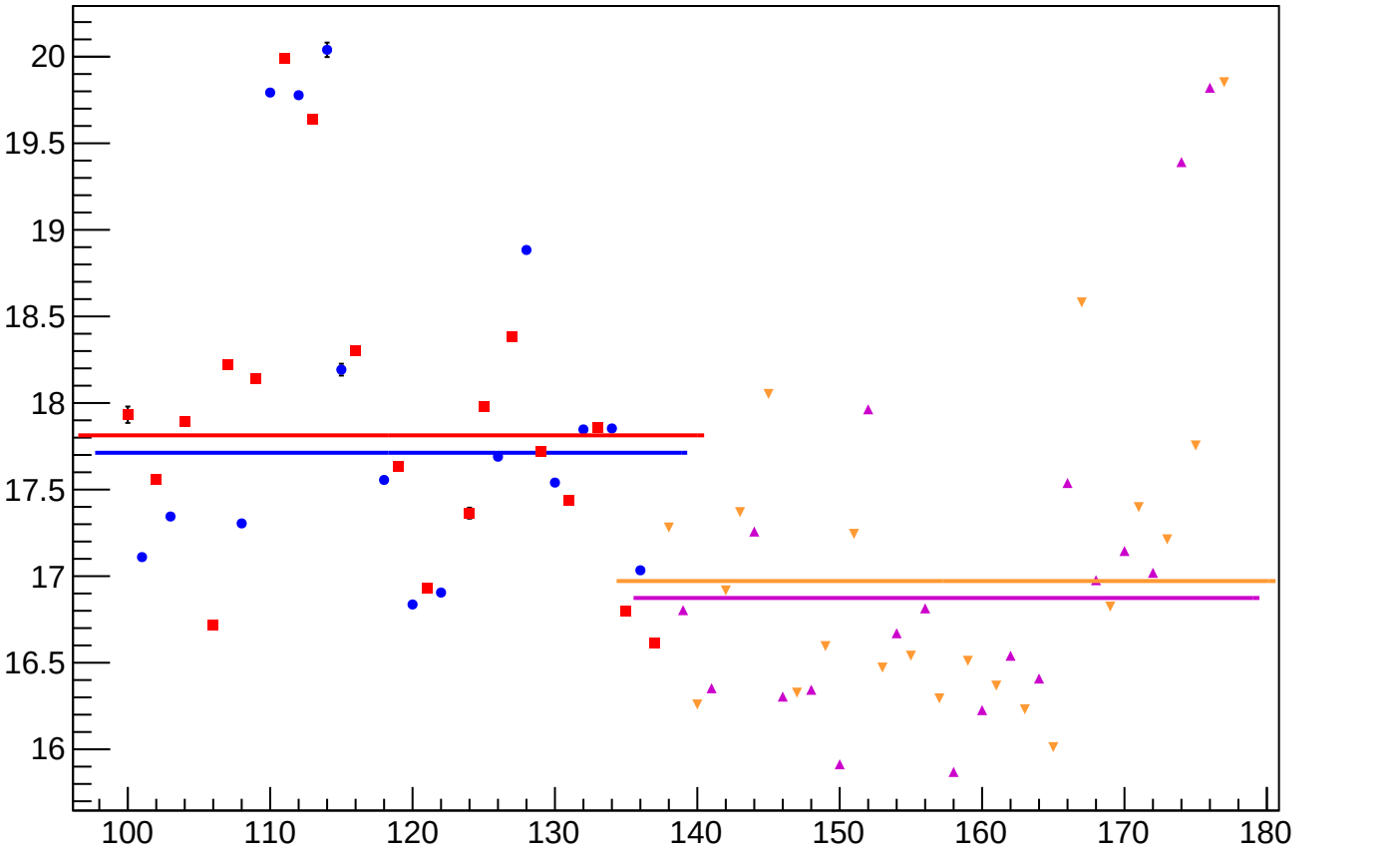
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -5.760+/-4.293 χ^2/NDF:19.6/18

+ sign 1.654+/-3.522 χ^2/NDF: 11.4/36

All: -1.945+/-2.512 χ^2/NDF: 52.3/74

- sign -5.672+/-3.584 χ^2/NDF: 38.8/37



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.972+/-0.003 χ^2/NDF:81836.7/20

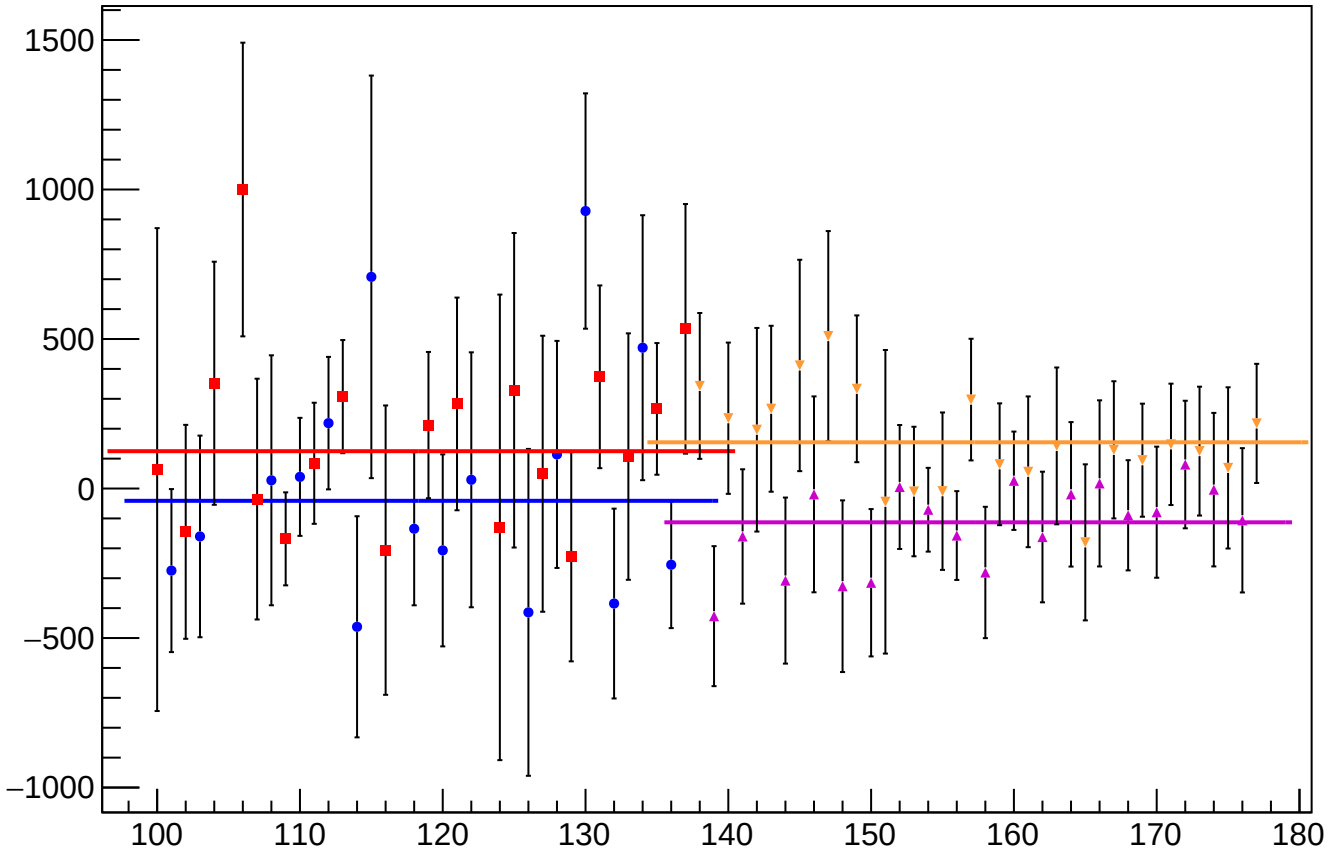
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.874+/-0.003 χ^2/NDF:90801.5/18

\+ sign 17.183+/-0.002 χ^2/NDF: 135865.9/36

All: 17.171+/-0.002 χ^2/NDF: 288450.6/74

\- sign 17.159+/-0.003 χ^2/NDF: 152537.0/37



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 154.627+/-53.349 χ^2/NDF:6.8/20

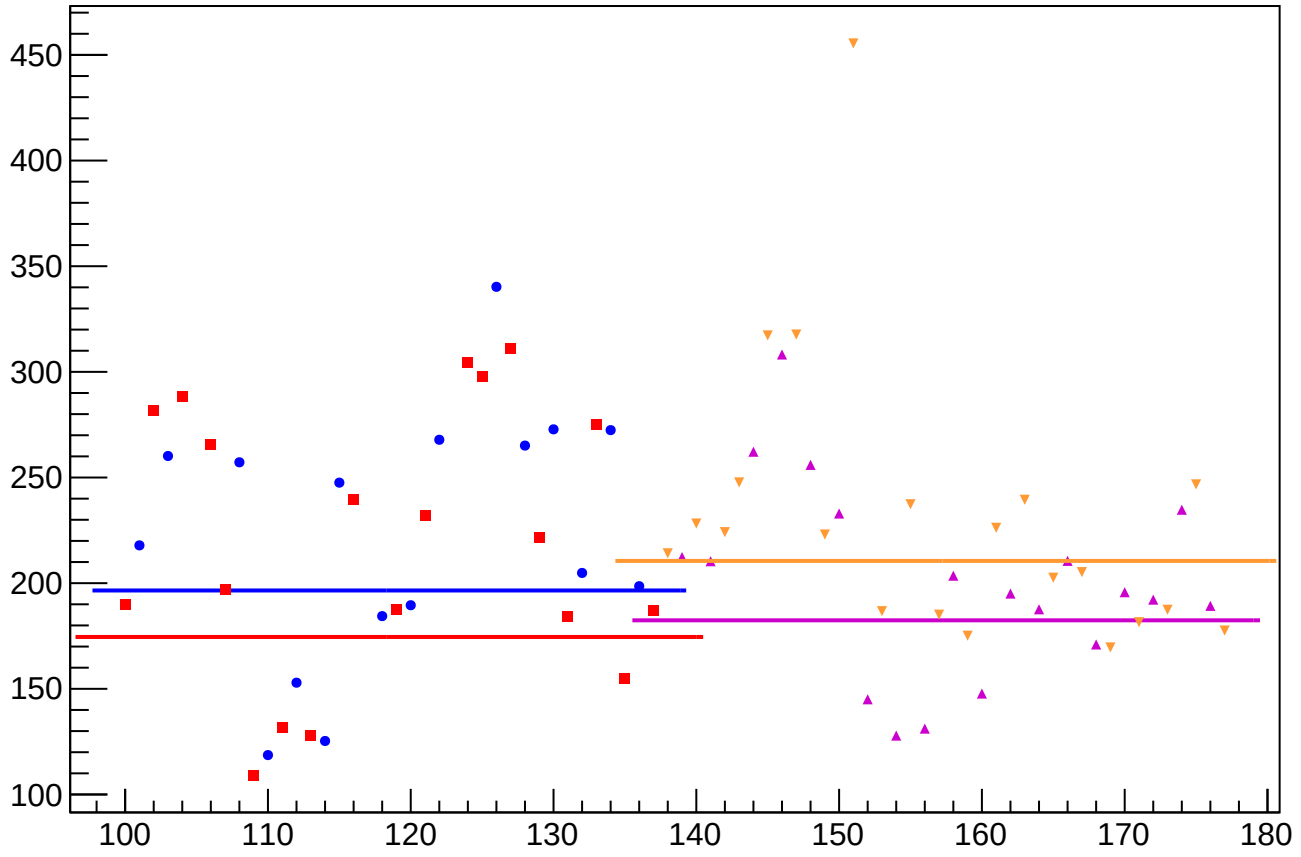
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -113.031+/-48.686 χ^2/NDF:6.9/18

+ sign 91.296+/-43.878 χ^2/NDF: 26.8/36

All: 22.491+/-29.480 χ^2/NDF: 59.0/74

- sign -34.122+/-39.801 χ^2/NDF: 27.7/37



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 210.536+/-0.038 χ^2/NDF:1308473.5/20

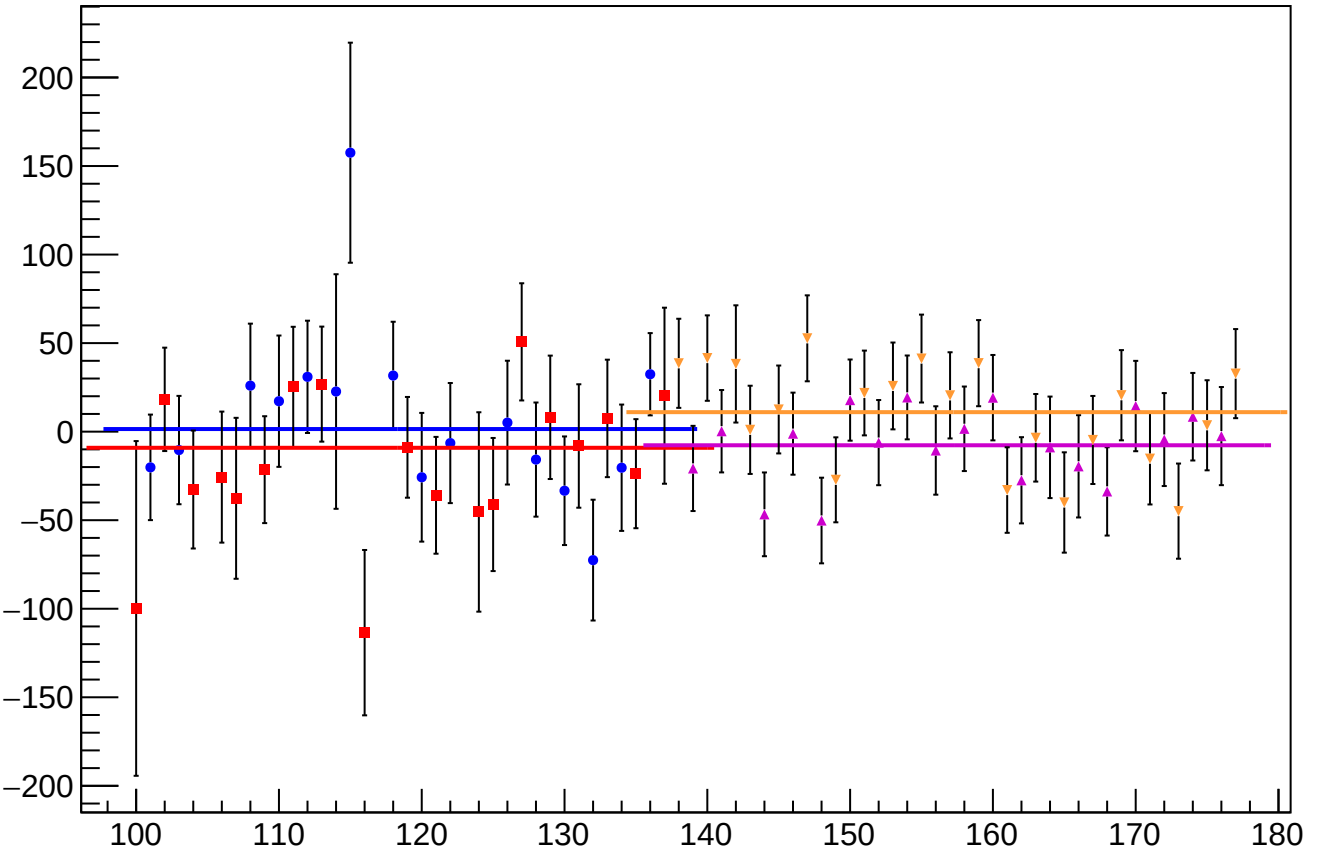
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.422+/-0.034 χ^2/NDF:1585406.9/18

+ sign 206.008+/-0.031 χ^2/NDF: 2353765.7/36

All: 191.635+/-0.021 χ^2/NDF: 5936501.3/74

- sign 179.808+/-0.028 χ^2/NDF: 3191520.2/37



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 11.011+/-5.500 χ^2/NDF:26.3/20

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

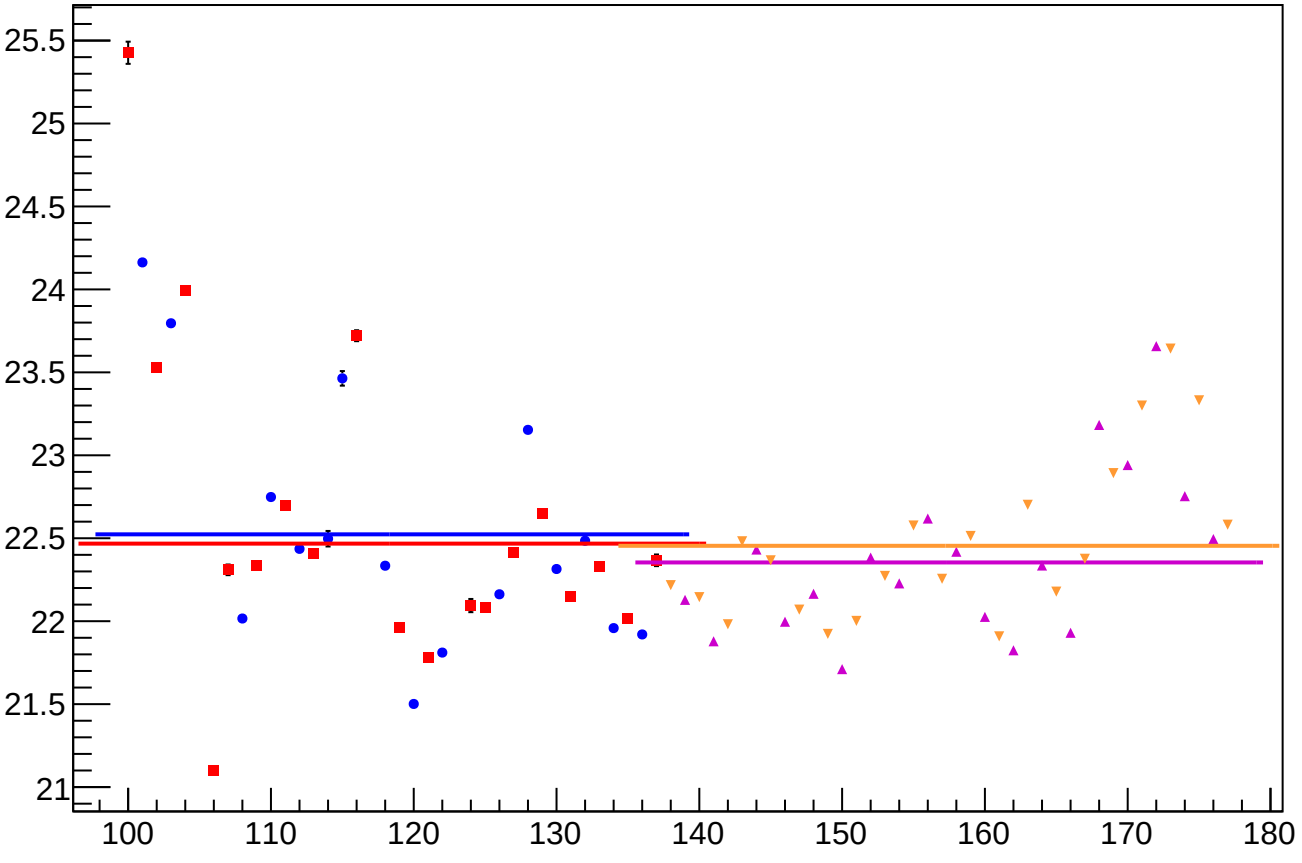
Left In: -7.690+/-5.673 χ^2/NDF:13.4/18

+ sign 8.135+/-4.597 χ^2/NDF: 45.9/36

All: 0.112+/-3.274 χ^2/NDF: 81.9/74

- sign -8.151+/-4.665 χ^2/NDF: 29.9/37

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: 22.454+/-0.004 χ^2/NDF:13948.5/20

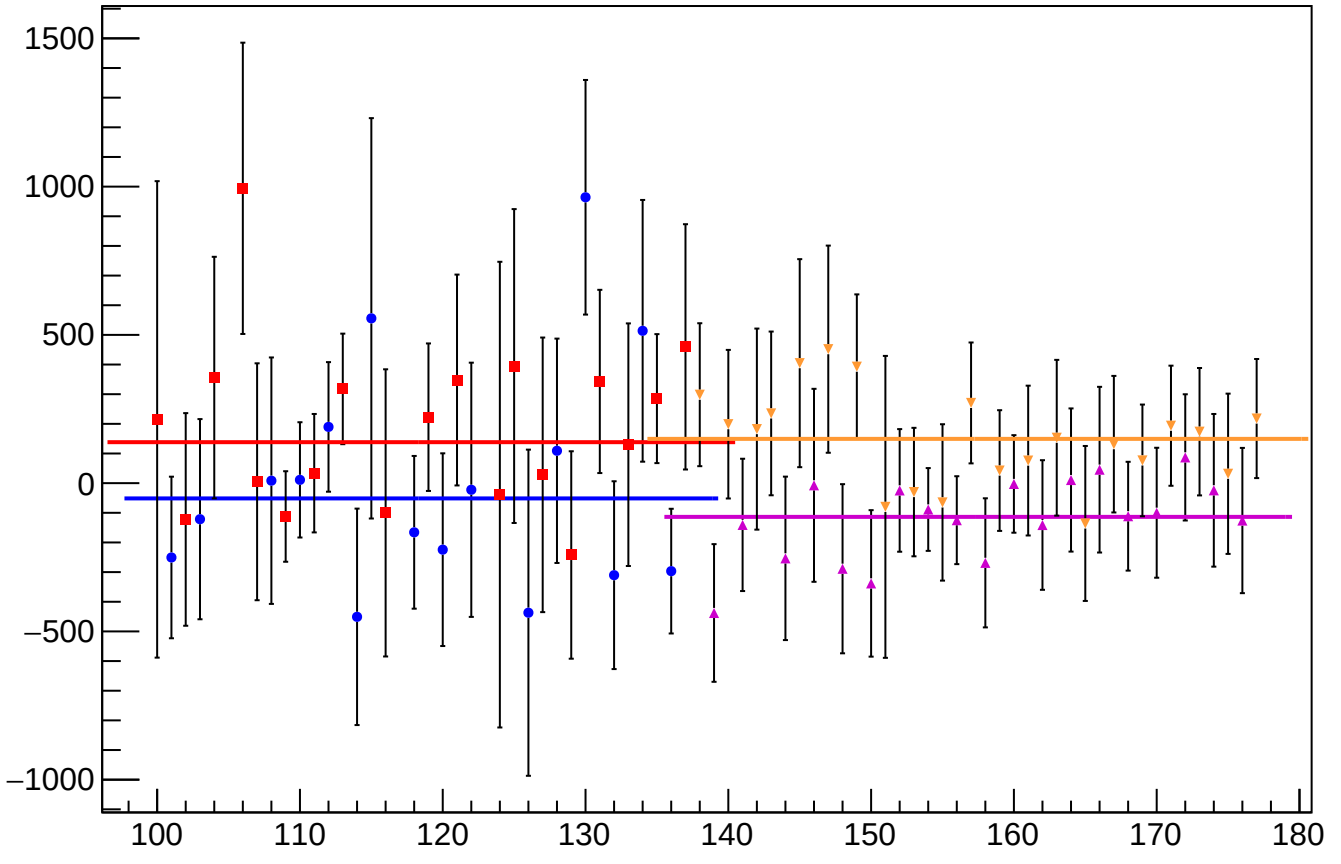
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.354+/-0.004 χ^2/NDF:14033.0/18

\+ sign 22.475+/-0.003 χ^2/NDF: 29991.6/36

All: 22.434+/-0.002 χ^2/NDF: 60242.3/74

\- sign 22.391+/-0.003 χ^2/NDF: 29918.4/37



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 149.317+/-53.282 χ^2/NDF:6.8/20

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

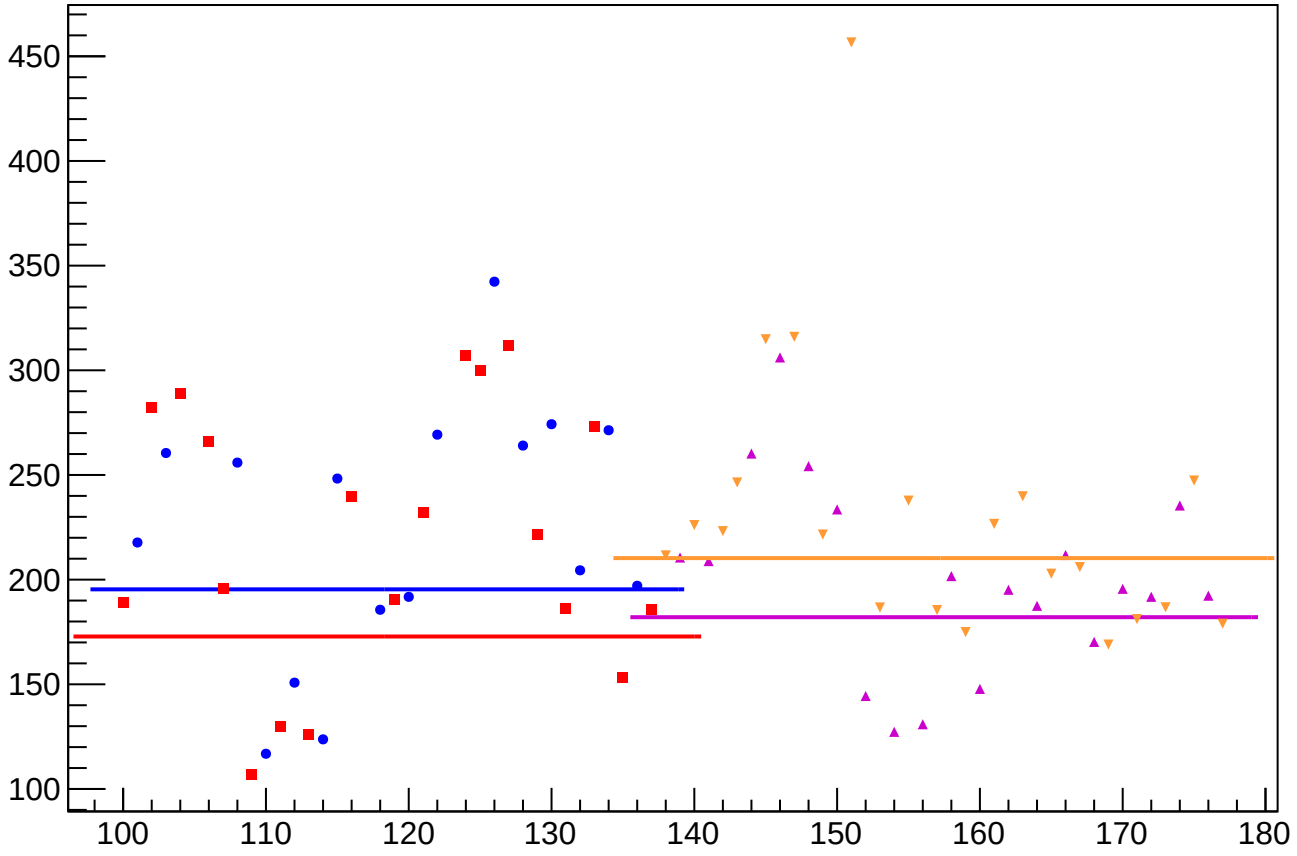
Left In: -113.724+/-48.594 χ^2/NDF:6.3/18

+ sign 84.066+/-43.778 χ^2/NDF: 26.7/36

All: 21.636+/-29.391 χ^2/NDF: 57.4/74

- sign -29.597+/-39.658 χ^2/NDF: 26.9/37

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: 210.284+/-0.038 χ^2/NDF:1297456.2/20

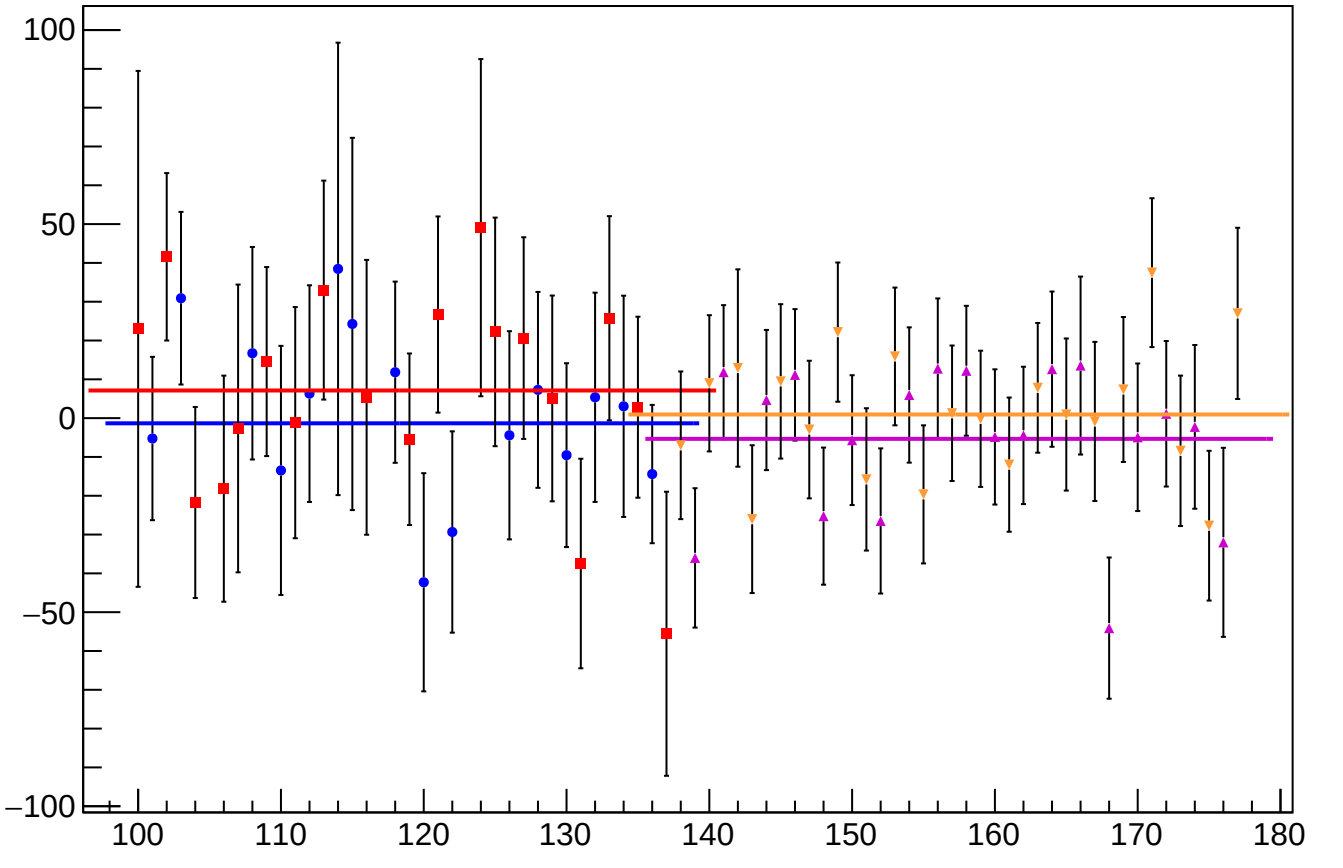
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 182.060+/-0.034 χ^2/NDF:1581063.9/18

+ sign 205.435+/-0.031 χ^2/NDF: 2389864.1/36

All: 190.904+/-0.021 χ^2/NDF: 6055569.5/74

- sign 178.980+/-0.028 χ^2/NDF: 3264555.8/37



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 0.942+/-4.087 χ^2/NDF:15.4/20

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

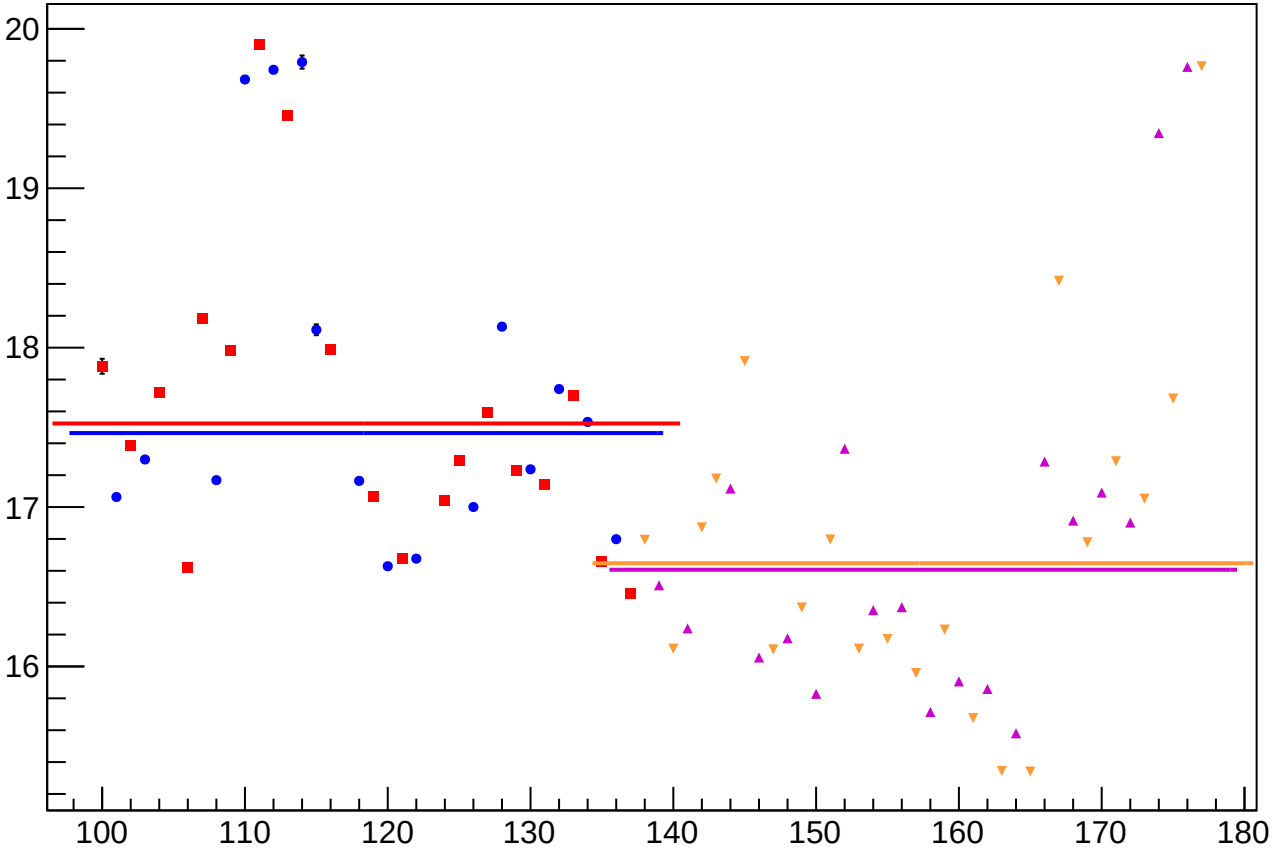
Left In: -5.340+/-4.225 χ^2/NDF:20.2/18

\+ sign 0.298+/-3.460 χ^2/NDF: 23.6/36

All: -0.612+/-2.470 χ^2/NDF: 61.0/74

\- sign -1.557+/-3.526 χ^2/NDF: 37.3/37

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: 16.648+/-0.003 χ^2/NDF:112977.0/20

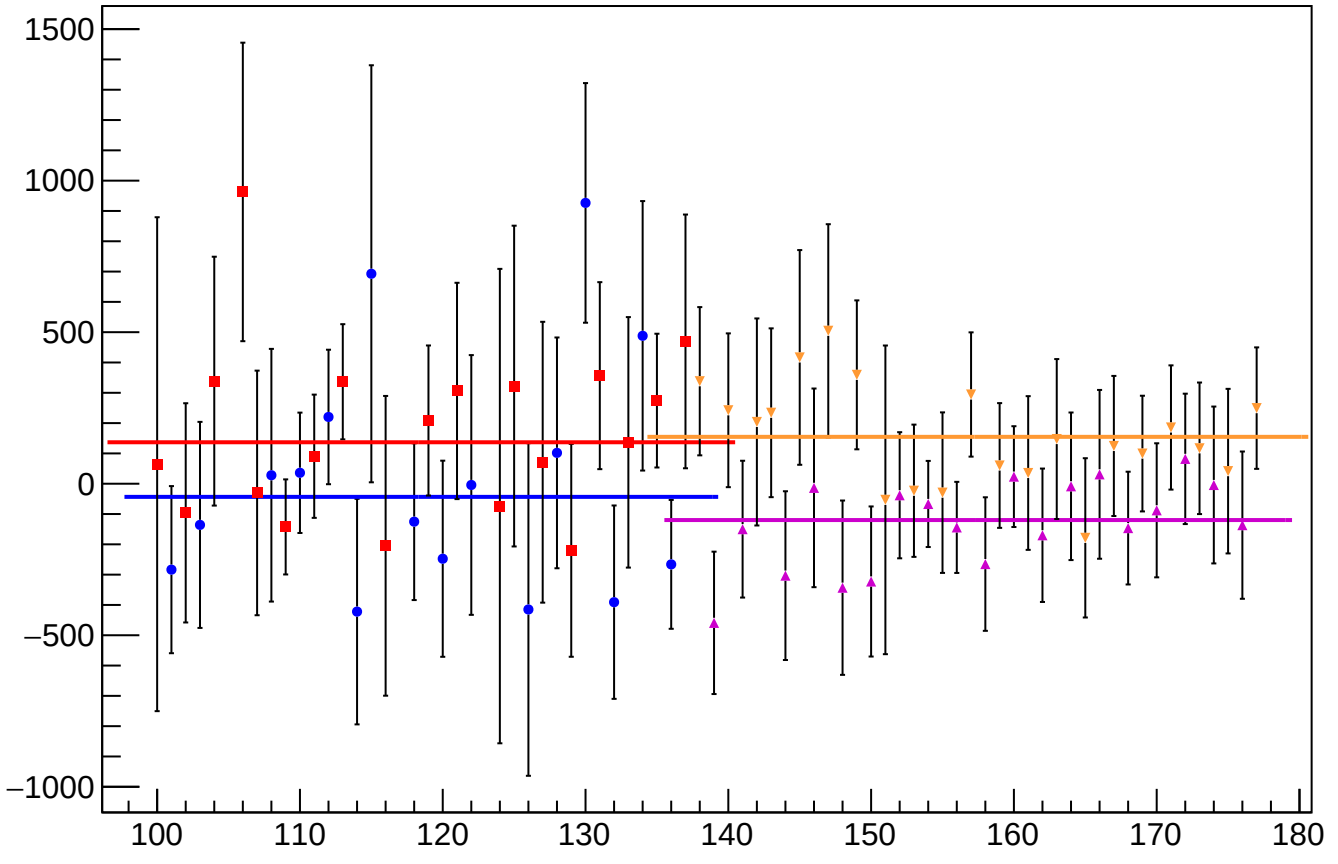
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.607+/-0.003 χ^2/NDF:103386.9/18

\+ sign 16.879+/-0.002 χ^2/NDF: 172258.3/36

All: 16.882+/-0.002 χ^2/NDF: 338994.5/74

\- sign 16.885+/-0.002 χ^2/NDF: 166733.1/37



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 154.678+/-53.691 χ^2/NDF:7.4/20

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

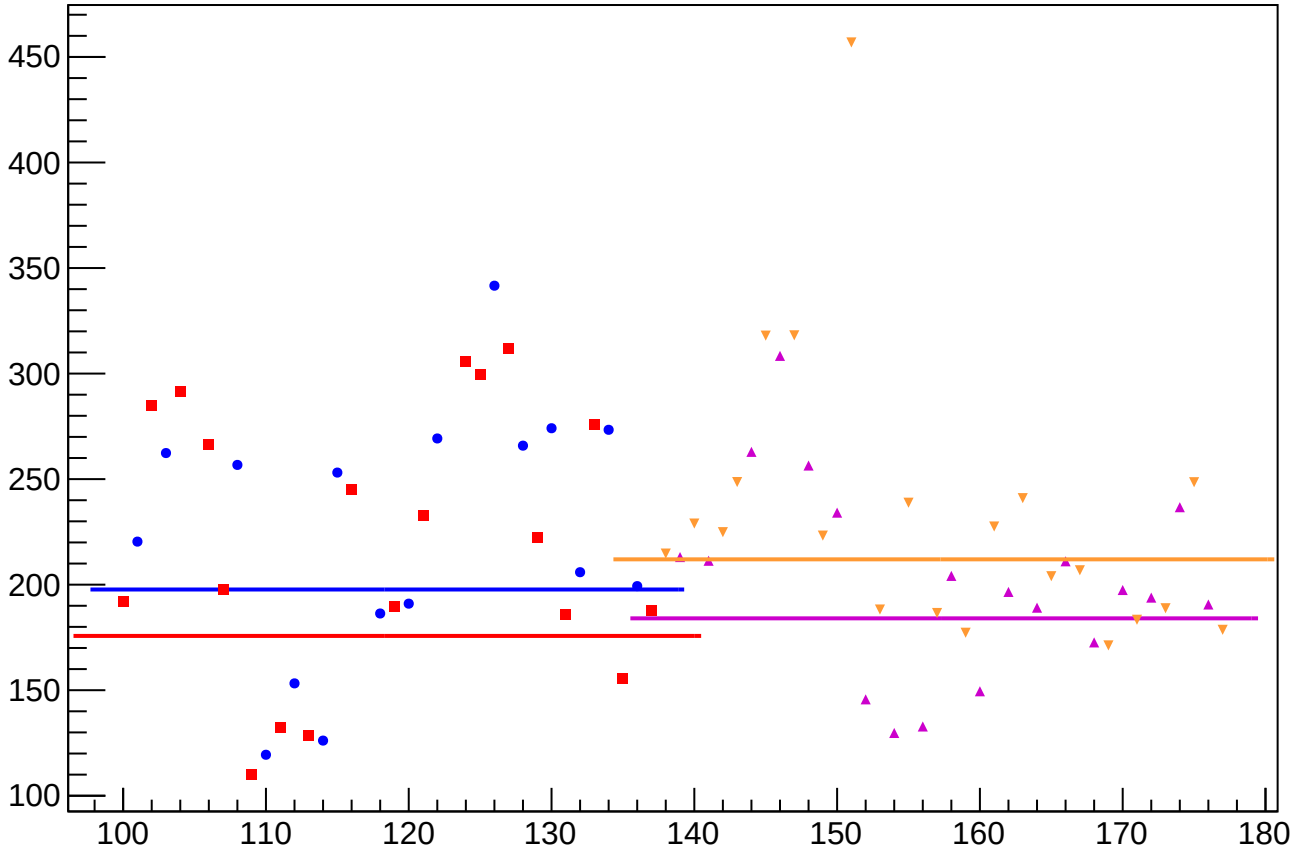
Left In: -119.886+/-49.074 χ^2/NDF:7.1/18

+ sign 90.540+/-44.150 χ^2/NDF: 27.2/36

All: 21.974+/-29.683 χ^2/NDF: 59.4/74

- sign -34.586+/-40.099 χ^2/NDF: 27.7/37

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: 211.994+/-0.038 χ^2/NDF:1285821.7/20

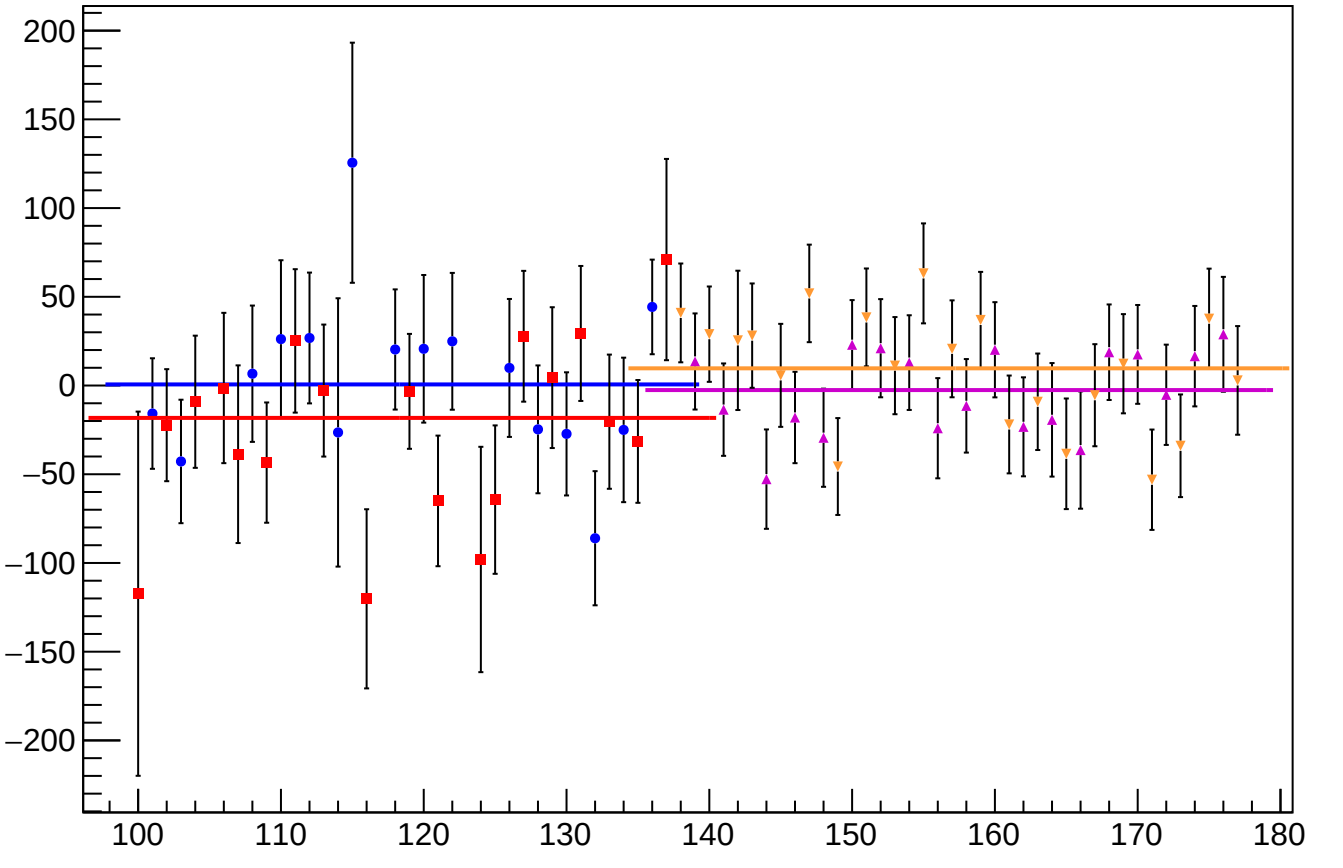
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 184.039+/-0.035 χ^2/NDF:1541633.2/18

+ sign 207.368+/-0.031 χ^2/NDF: 2332005.3/36

All: 193.068+/-0.021 χ^2/NDF: 5866184.5/74

- sign 181.273+/-0.028 χ^2/NDF: 3151312.8/37



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.690+/-6.213 χ^2/NDF:27.4/20

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

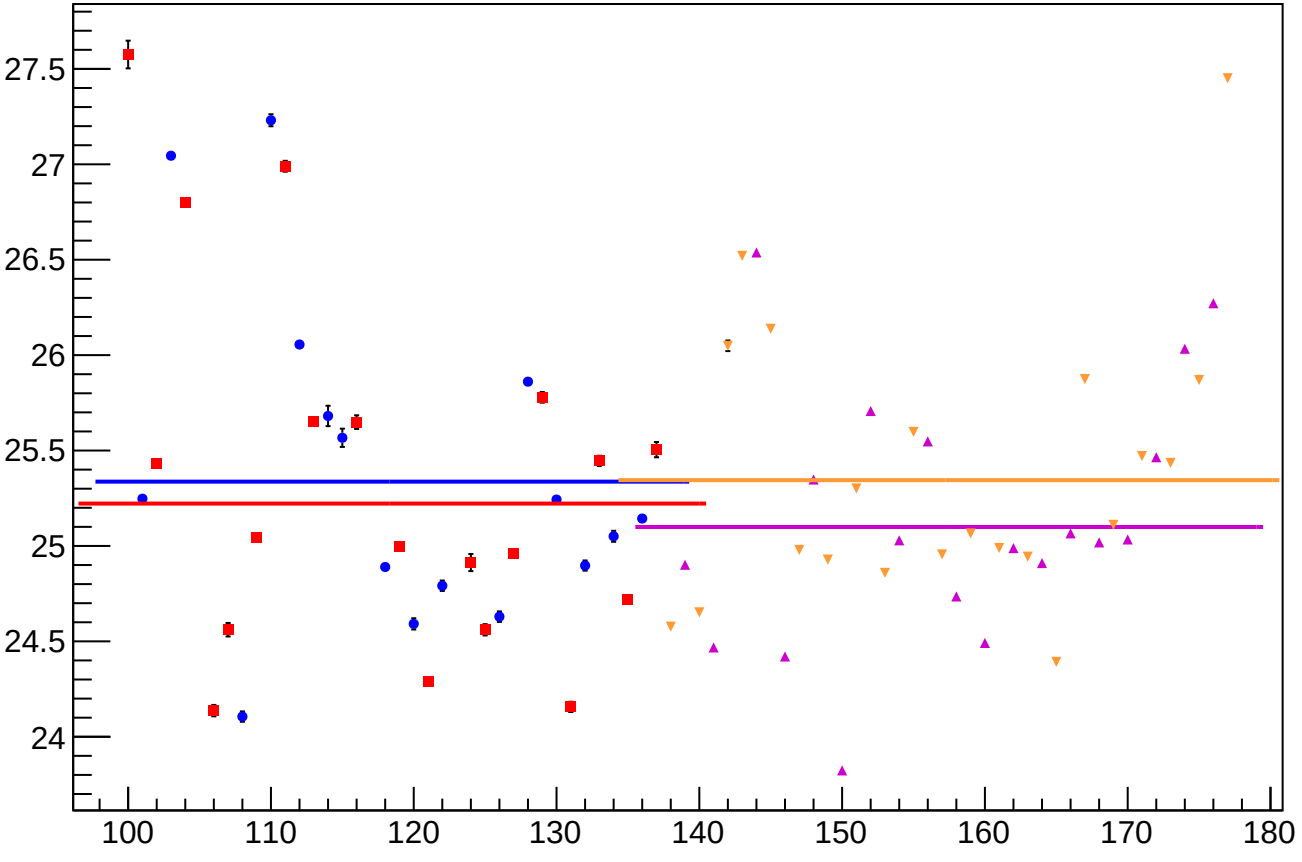
Left In: -2.562+/-6.375 χ^2/NDF:13.0/18

+ sign 6.941+/-5.187 χ^2/NDF: 44.8/36

All: -0.275+/-3.687 χ^2/NDF: 81.6/74

- sign -7.644+/-5.242 χ^2/NDF: 32.9/37

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.345+/-0.004 χ^2/NDF:24091.3/20

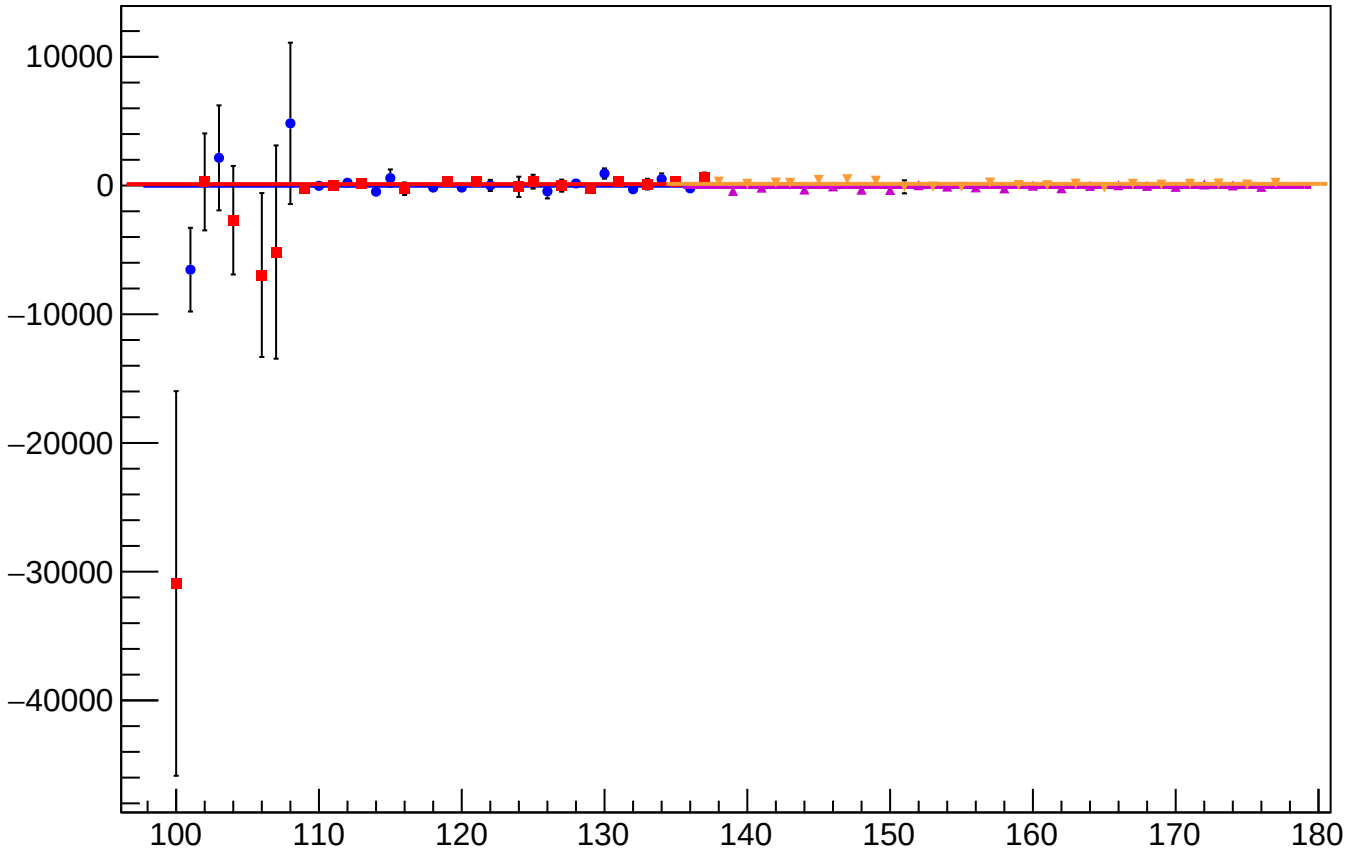
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.099+/-0.005 χ^2/NDF:21412.6/18

+ sign 25.342+/-0.004 χ^2/NDF: 38407.3/36

All: 25.242+/-0.003 χ^2/NDF: 76803.9/74

- sign 25.139+/-0.004 χ^2/NDF: 36877.3/37



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 130.231+/-53.928 χ^2/NDF:7.4/20

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

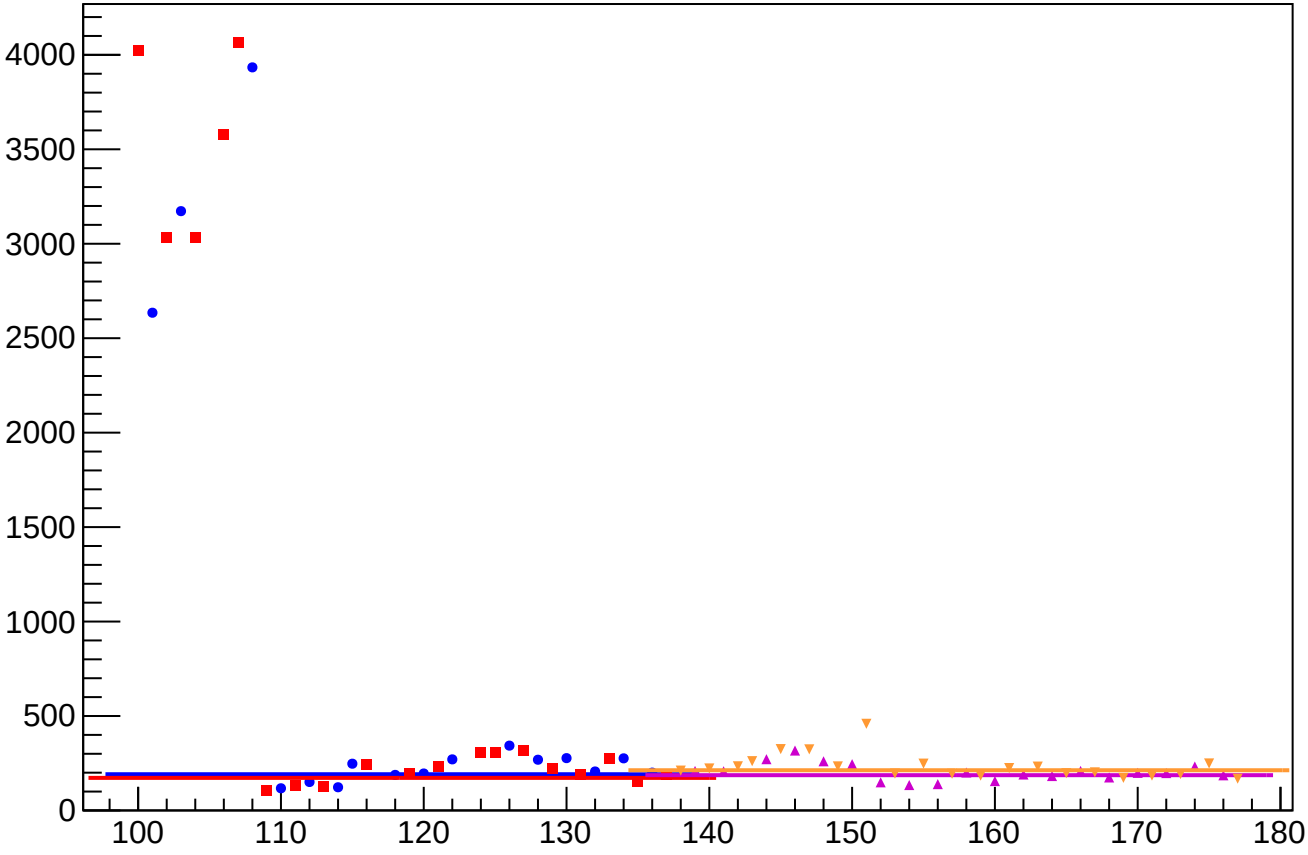
Left In: -110.248+/-49.659 χ^2/NDF:6.5/18

\+ sign 88.210+/-45.490 χ^2/NDF: 27.8/36

All: 14.971+/-30.821 χ^2/NDF: 58.8/74

\- sign -47.177+/-41.905 χ^2/NDF: 26.2/37

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: 212.845+/-0.038 χ^2/NDF:1336283.1/20

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

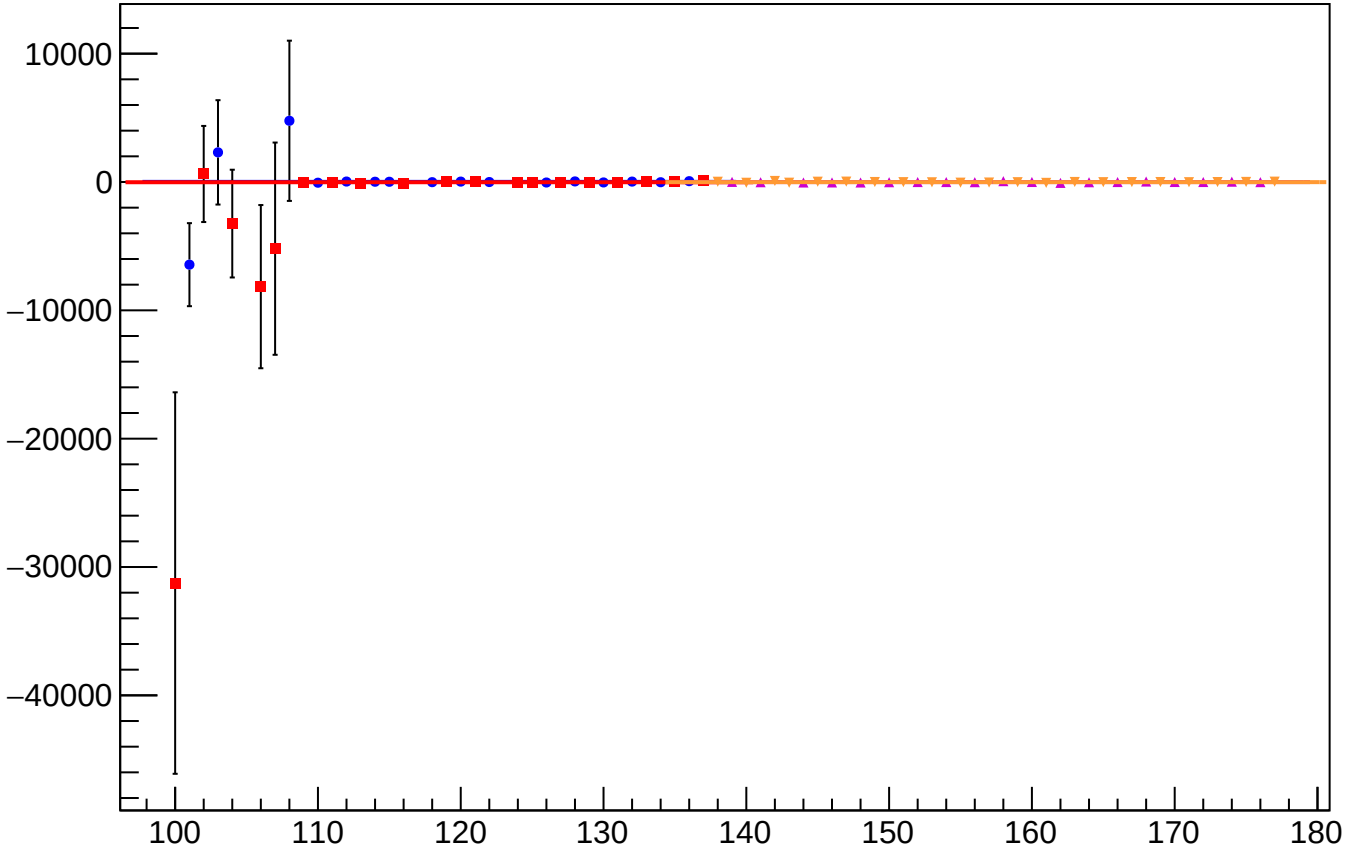
Left In: 186.739+/-0.035 χ^2/NDF:1405368.5/18

+ sign 206.756+/-0.032 χ^2/NDF: 5246476.9/36

All: 193.704+/-0.022 χ^2/NDF: 11306915.7/74

- sign 182.628+/-0.030 χ^2/NDF: 5756088.2/37

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: -10.855+/-7.046 χ^2/NDF:19.7/20

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

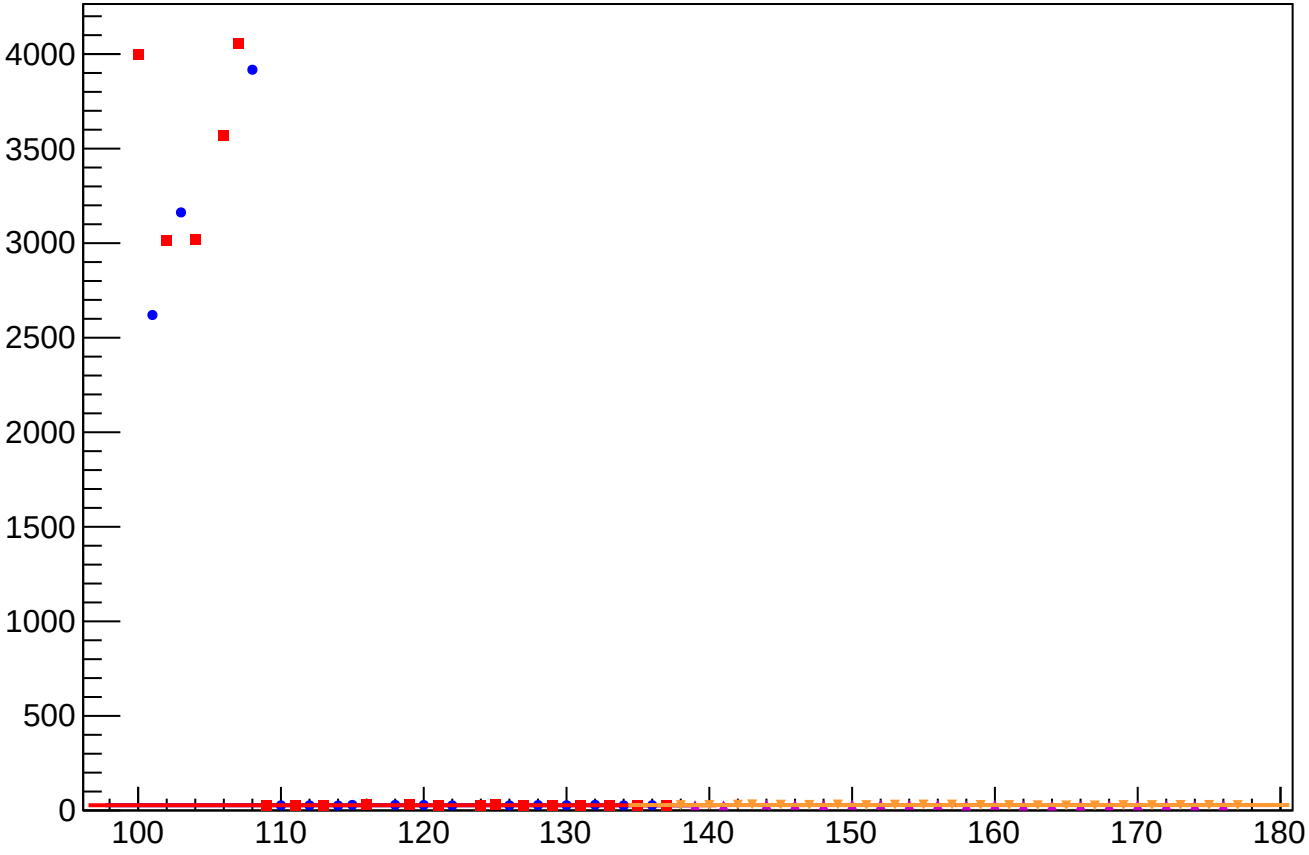
Left In: -5.298+/-7.276 χ^2/NDF:17.6/18

+ sign -5.406+/-6.034 χ^2/NDF: 38.0/36

All: -7.071+/-4.322 χ^2/NDF: 81.4/74

- sign -8.824+/-6.194 χ^2/NDF: 43.3/37

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: 28.691+/-0.005 χ^2/NDF:83533.4/20

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

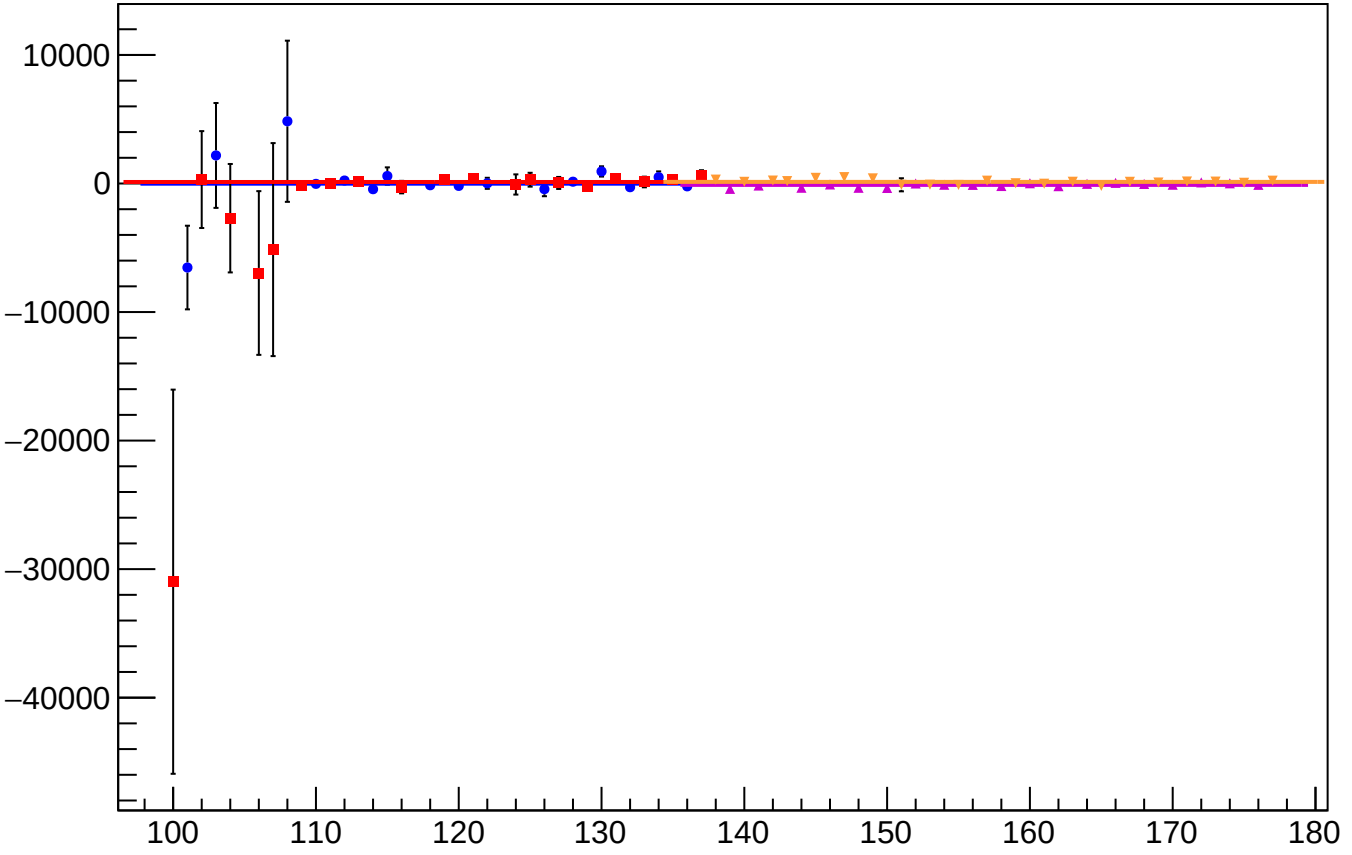
Left In: 28.577+/-0.005 χ^2/NDF:115489.2/18

+ sign 28.411+/-0.004 χ^2/NDF: 3360863.0/36

All: 28.352+/-0.003 χ^2/NDF: 7043274.4/74

- sign 28.290+/-0.004 χ^2/NDF: 3682018.4/37

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 125.429+/-53.809 χ^2/NDF:8.2/20

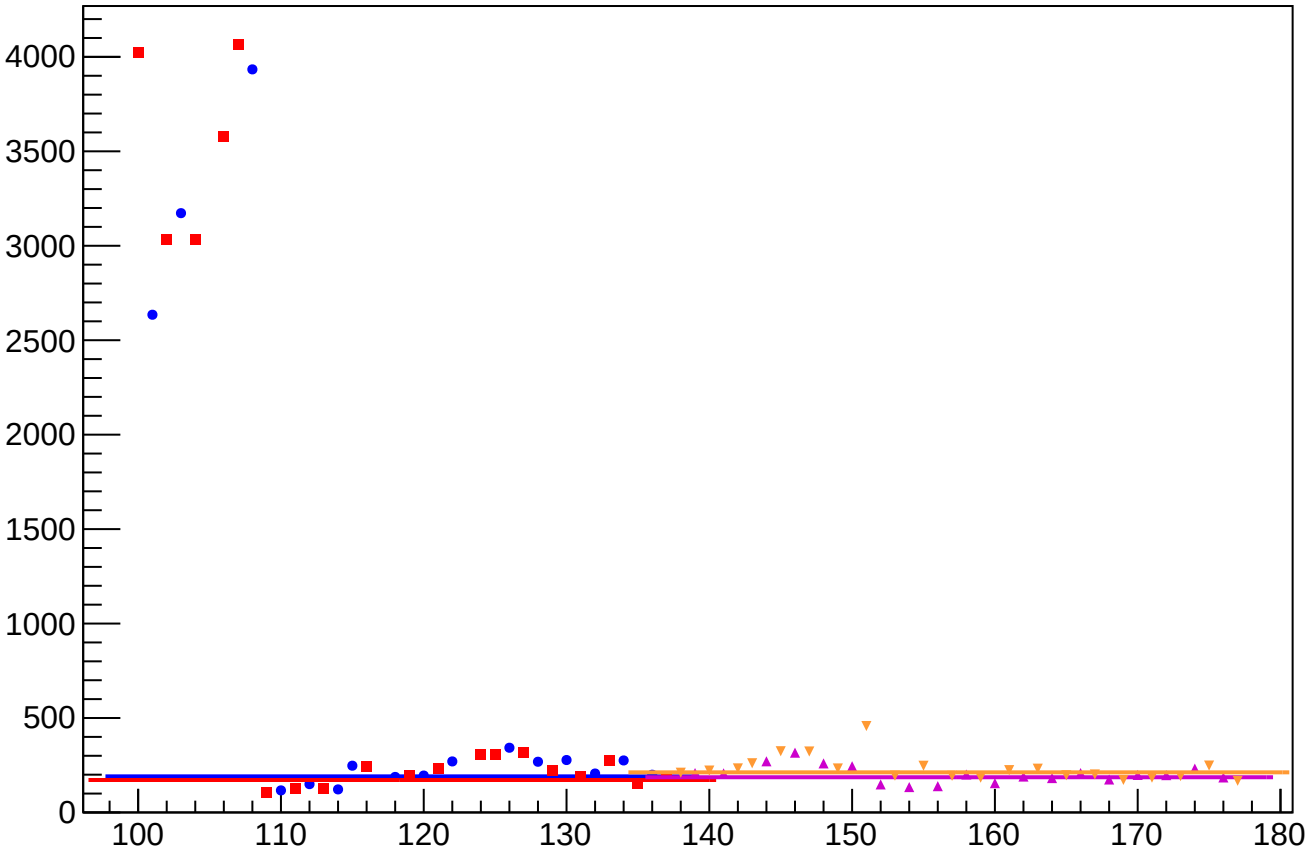
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -107.674+/-49.562 χ^2/NDF:6.7/18

+ sign 85.413+/-45.381 χ^2/NDF: 28.5/36

All: 16.182+/-30.749 χ^2/NDF: 59.9/74

- sign -42.583+/-41.810 χ^2/NDF: 27.2/37



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 212.374+/-0.038 χ^2/NDF:1337150.5/20

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

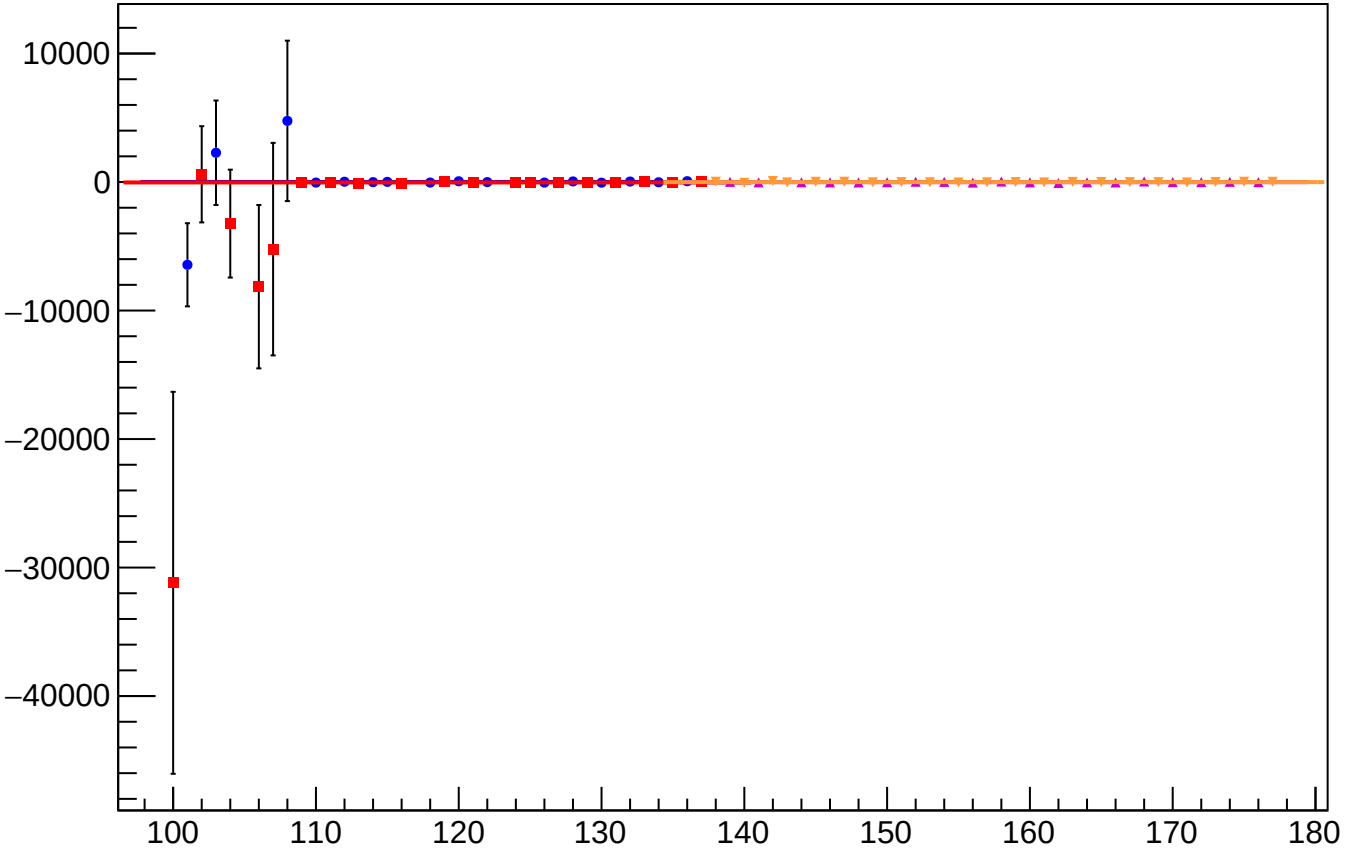
Left In: 186.378+/-0.035 χ^2/NDF:1404853.8/18

+ sign 206.223+/-0.032 χ^2/NDF: 5261626.2/36

All: 193.221+/-0.022 χ^2/NDF: 11334377.8/74

- sign 182.185+/-0.030 χ^2/NDF: 5769230.6/37

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -6.751+/-7.087 χ^2/NDF:13.6/20

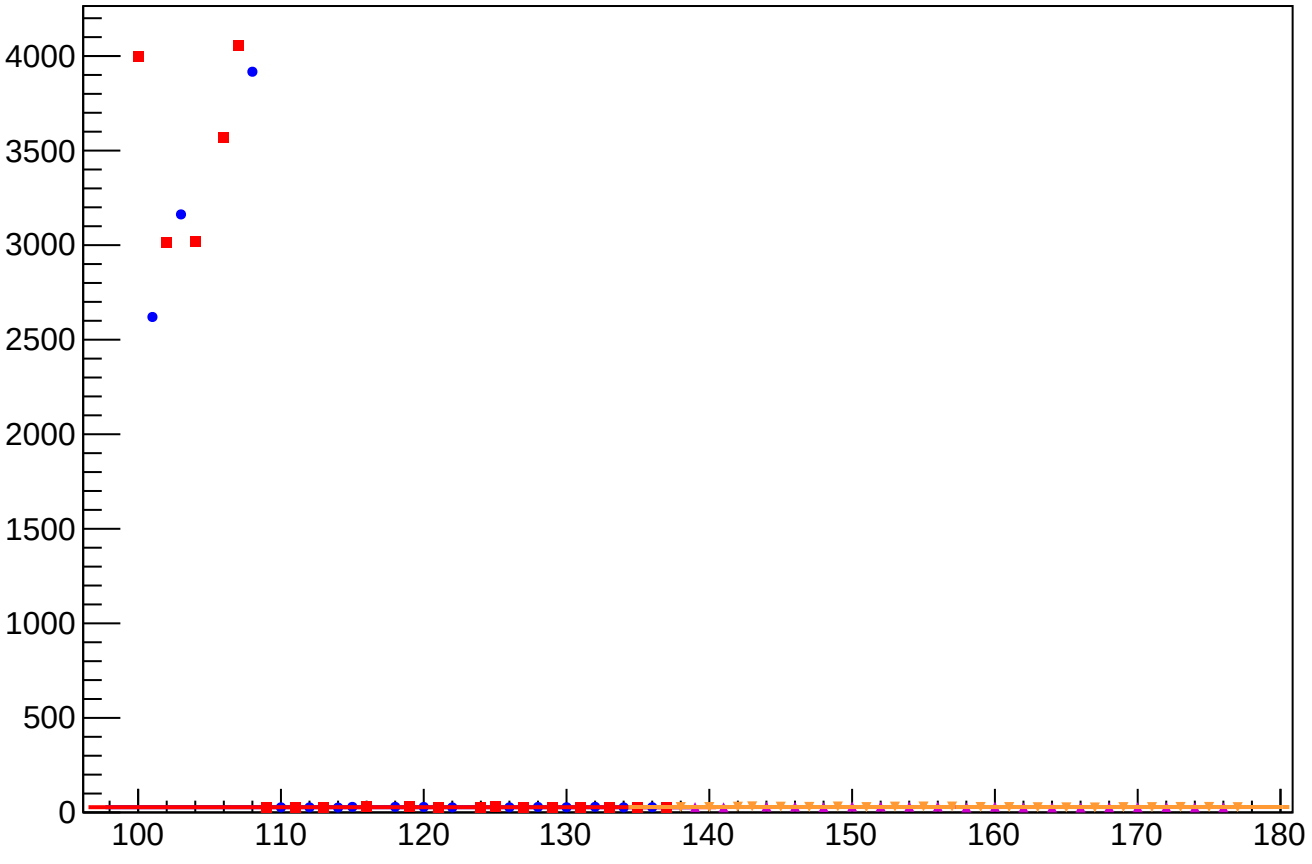
Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: -6.672+/-7.312 χ^2/NDF:16.7/18

+ sign -3.225+/-6.071 χ^2/NDF: 32.9/36

All: -8.145+/-4.348 χ^2/NDF: 73.9/74

- sign -13.328+/-6.230 χ^2/NDF: 39.6/37



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.852+/-0.005 χ^2/NDF:91262.3/20

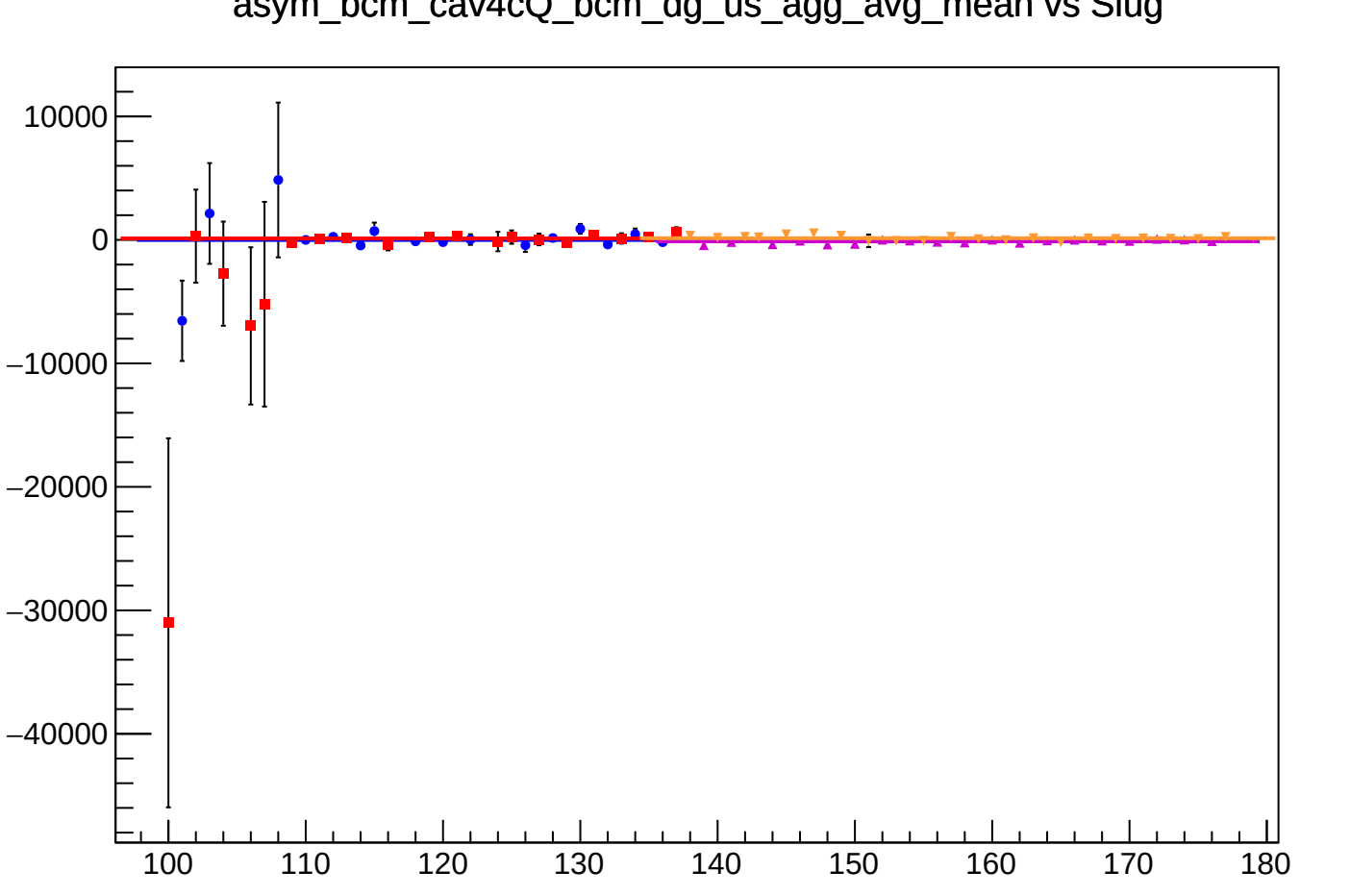
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.717+/-0.005 χ^2/NDF:119487.0/18

+ sign 28.579+/-0.004 χ^2/NDF: 3368348.6/36

All: 28.518+/-0.003 χ^2/NDF: 7056448.5/74

- sign 28.453+/-0.004 χ^2/NDF: 3687684.0/37



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 135.892+/-54.311 χ^2/NDF:8.2/20

Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

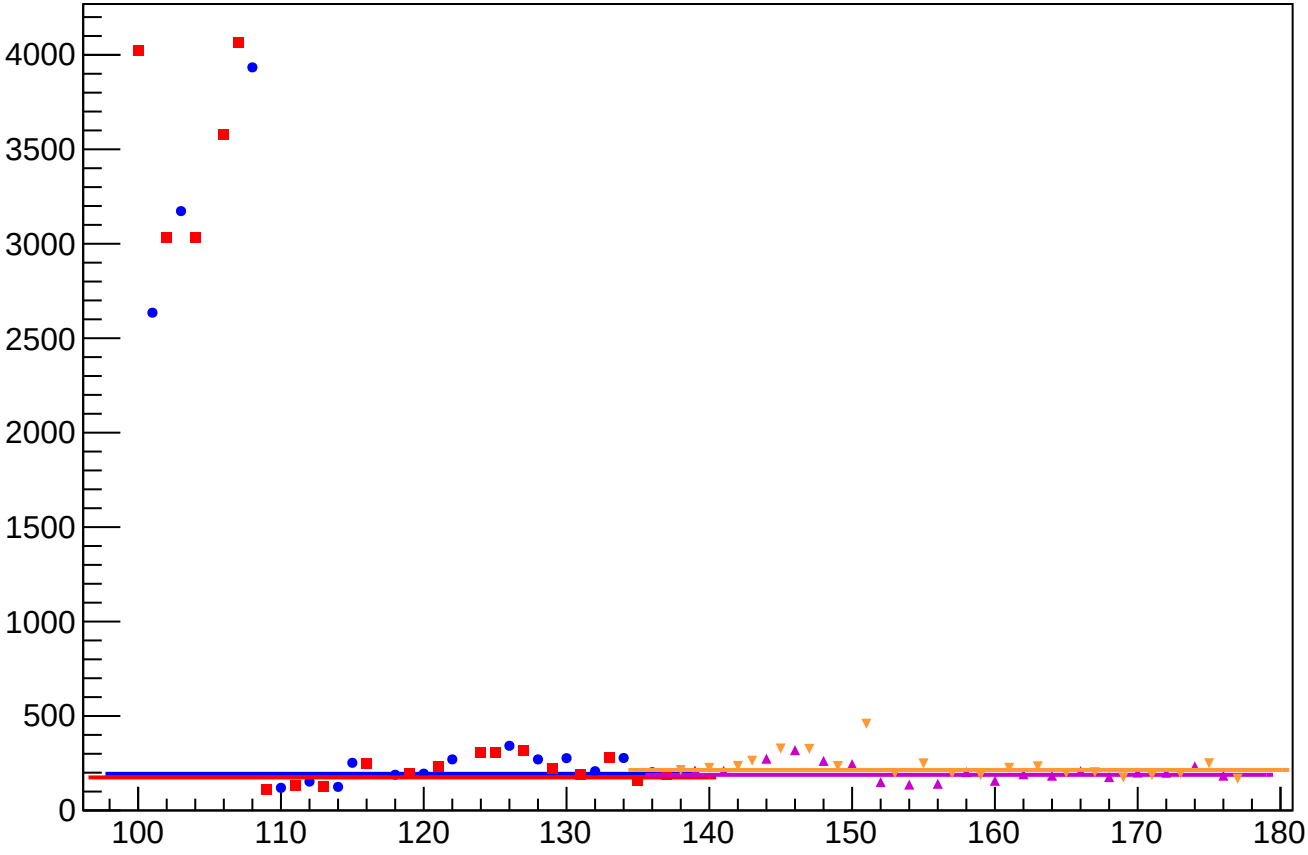
Left In: -116.958+/-50.115 χ^2/NDF:7.3/18

\+ sign 96.026+/-45.845 χ^2/NDF: 28.3/36

All: 17.100+/-31.093 χ^2/NDF: 61.0/74

\- sign -50.125+/-42.311 χ^2/NDF: 27.2/37

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 214.421+/-0.038 χ^2/NDF:1332441.1/20

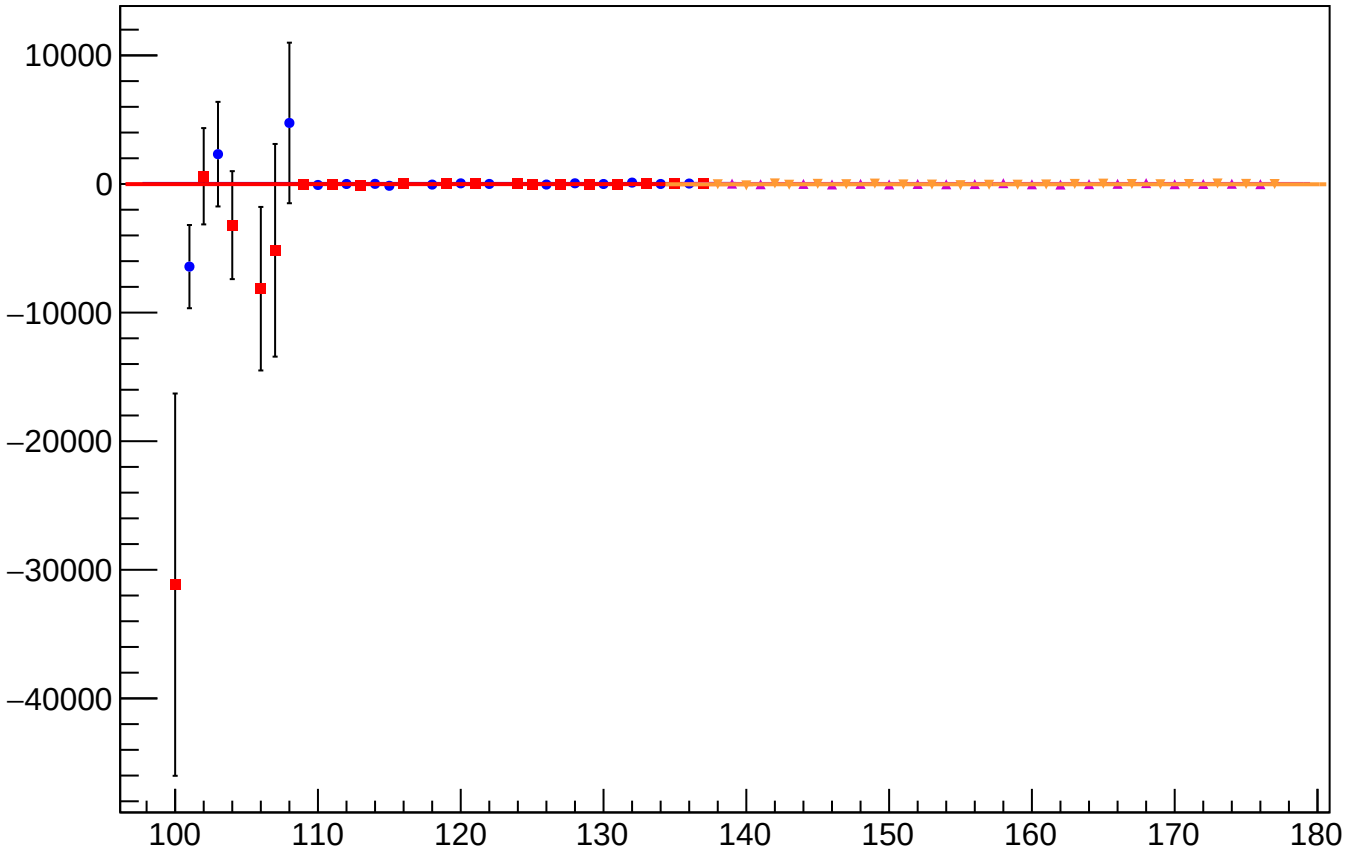
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.608+/-0.035 χ^2/NDF:1373642.2/18

+ sign 208.536+/-0.032 χ^2/NDF: 5198618.4/36

All: 195.630+/-0.022 χ^2/NDF: 11168826.7/74

- sign 184.637+/-0.030 χ^2/NDF: 5676701.5/37



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -22.056+/-8.463 χ^2/NDF:20.7/20

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

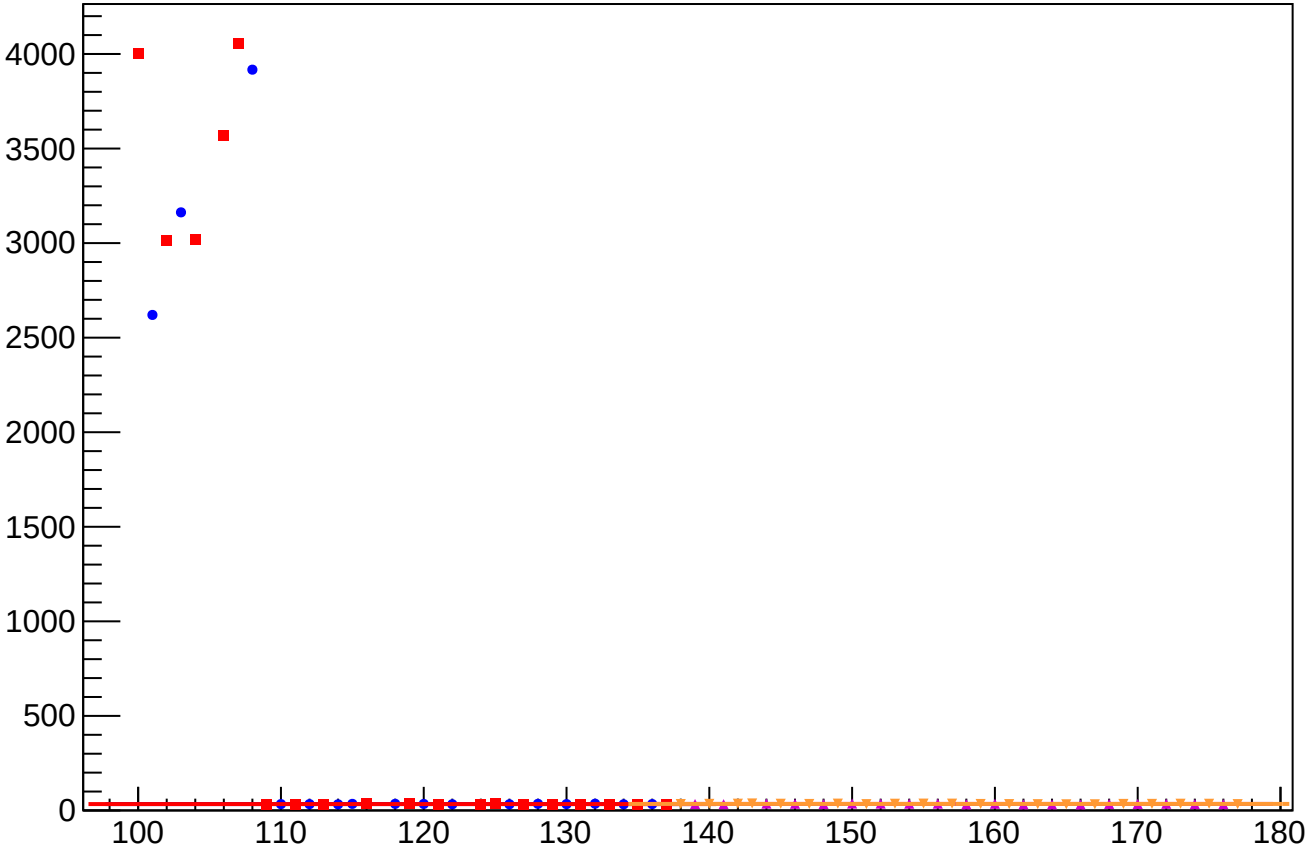
Left In: 2.814+/-8.752 χ^2/NDF:12.2/18

+ sign -14.871+/-7.284 χ^2/NDF: 40.9/36

All: -7.944+/-5.220 χ^2/NDF: 78.9/74

- sign -0.632+/-7.483 χ^2/NDF: 36.2/37

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: 34.506+/-0.006 χ^2/NDF:40610.2/20

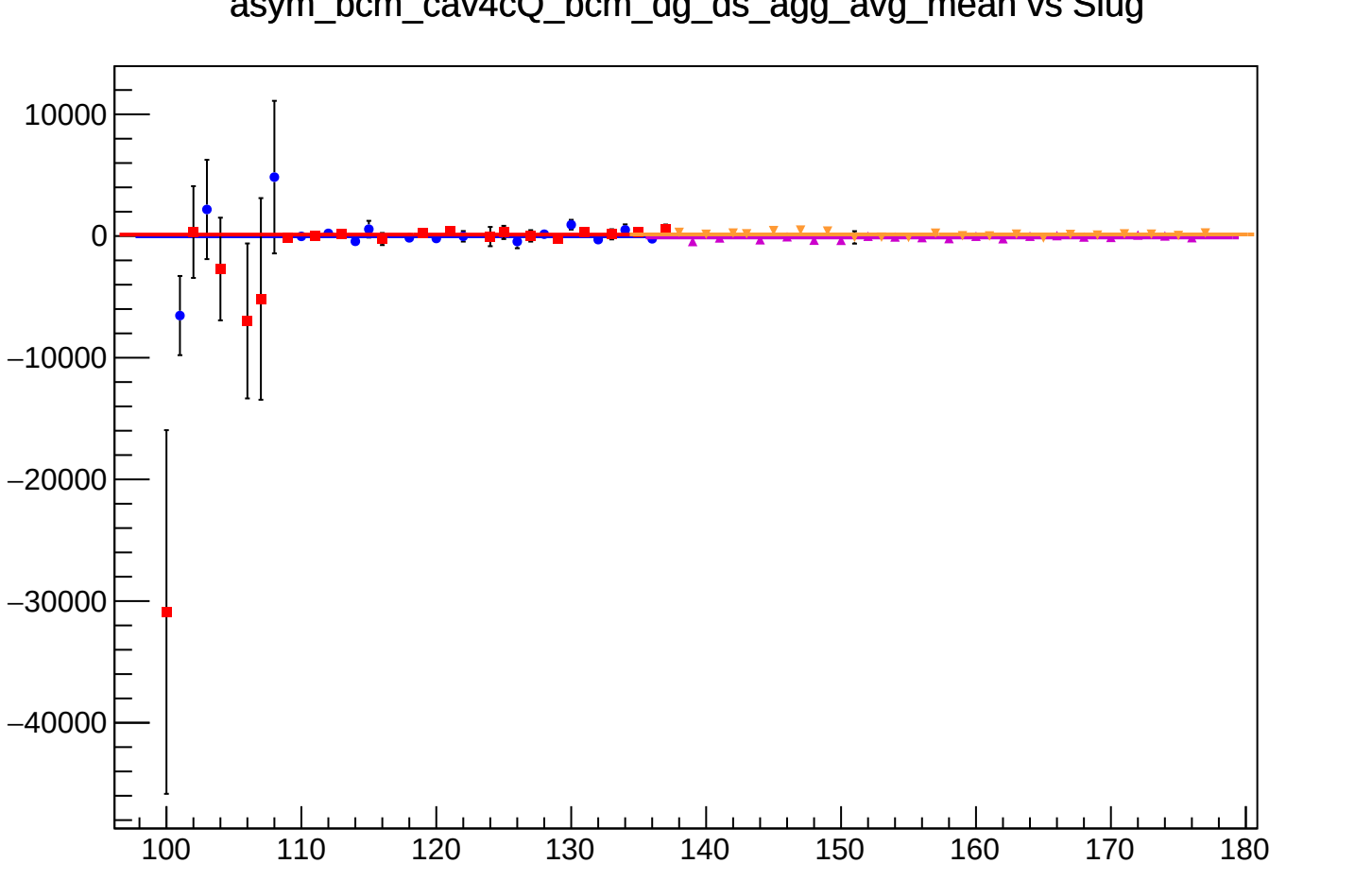
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.437+/-0.006 χ^2/NDF:51942.1/18

+ sign 34.349+/-0.005 χ^2/NDF: 3287656.1/36

All: 34.299+/-0.004 χ^2/NDF: 6869807.0/74

- sign 34.246+/-0.005 χ^2/NDF: 3581957.7/37



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 130.654+/-54.253 χ^2/NDF:8.1/20

Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

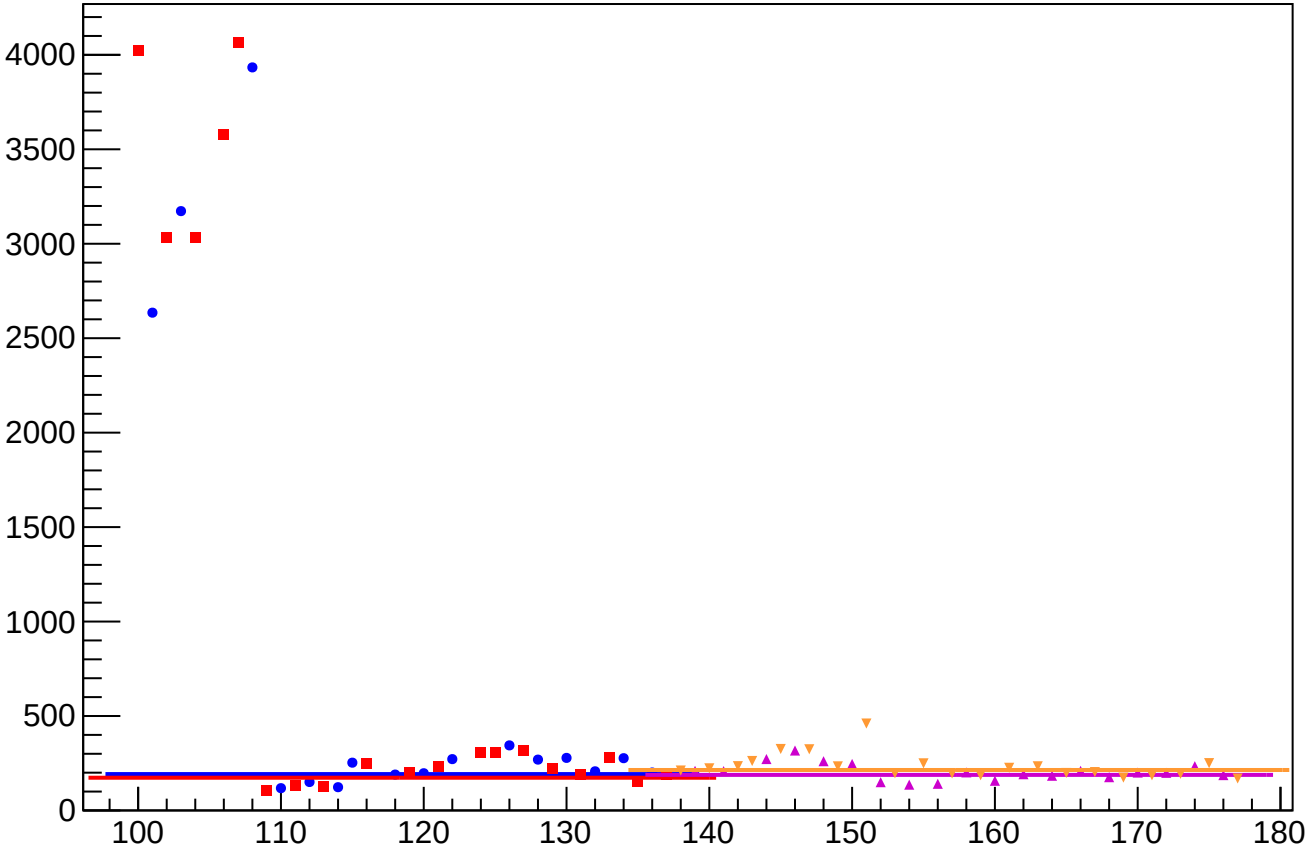
Left In: -117.452+/-50.032 χ^2/NDF:6.6/18

+ sign 87.229+/-45.741 χ^2/NDF: 28.5/36

All: 13.707+/-31.010 χ^2/NDF: 59.6/74

- sign -48.825+/-42.184 χ^2/NDF: 26.4/37

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 214.220+/-0.038 χ^2/NDF:1317367.2/20

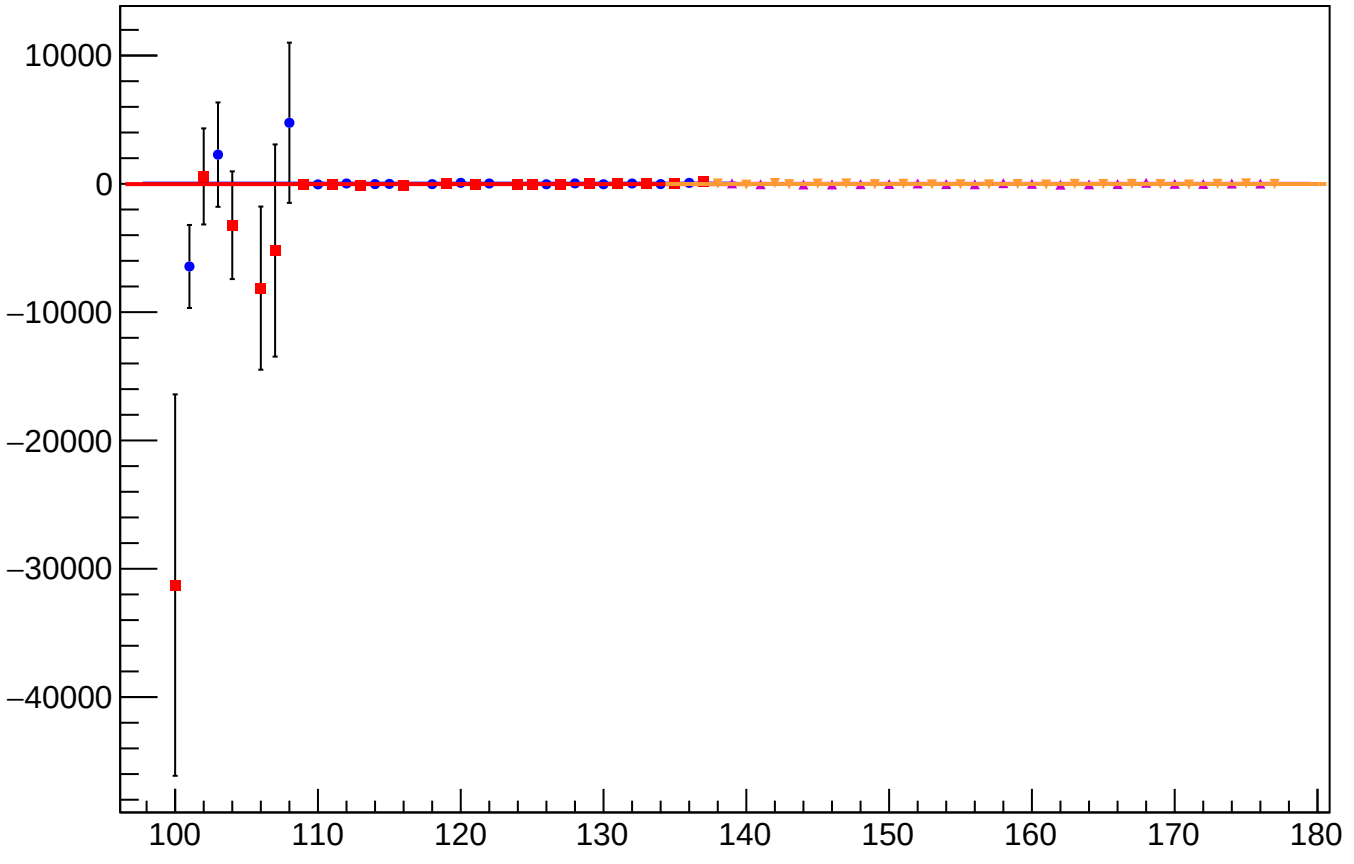
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 188.299+/-0.035 χ^2/NDF:1364198.0/18

+ sign 207.957+/-0.032 χ^2/NDF: 5232334.8/36

All: 194.983+/-0.022 χ^2/NDF: 11254033.1/74

- sign 183.948+/-0.030 χ^2/NDF: 5723936.9/37



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -13.219+/-7.695 χ^2/NDF:15.2/20

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

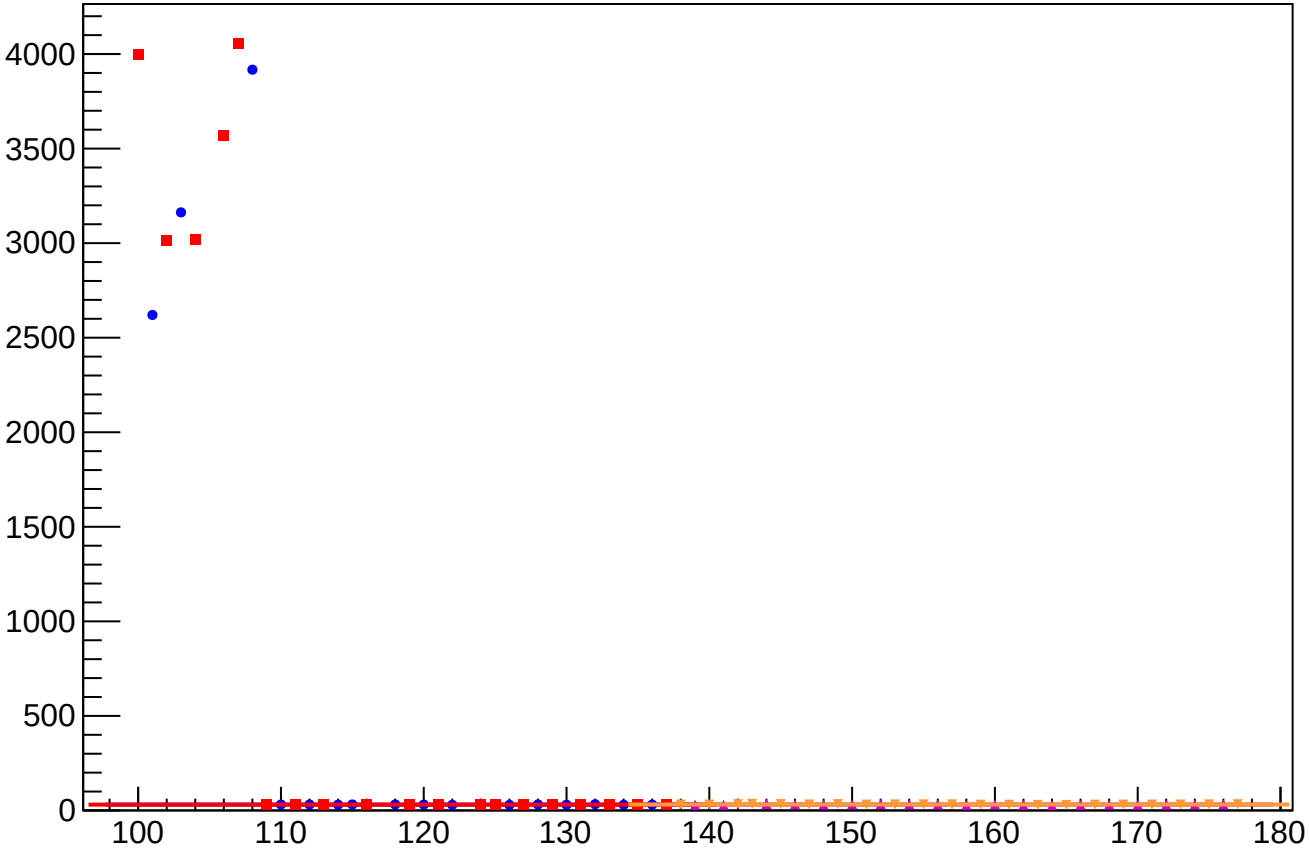
Left In: -0.155+/-7.958 χ^2/NDF:23.7/18

+ sign -6.281+/-6.630 χ^2/NDF: 33.8/36

All: -6.299+/-4.751 χ^2/NDF: 88.4/74

- sign -6.319+/-6.812 χ^2/NDF: 54.6/37

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: 31.350+/-0.005 χ^2/NDF:62489.4/20

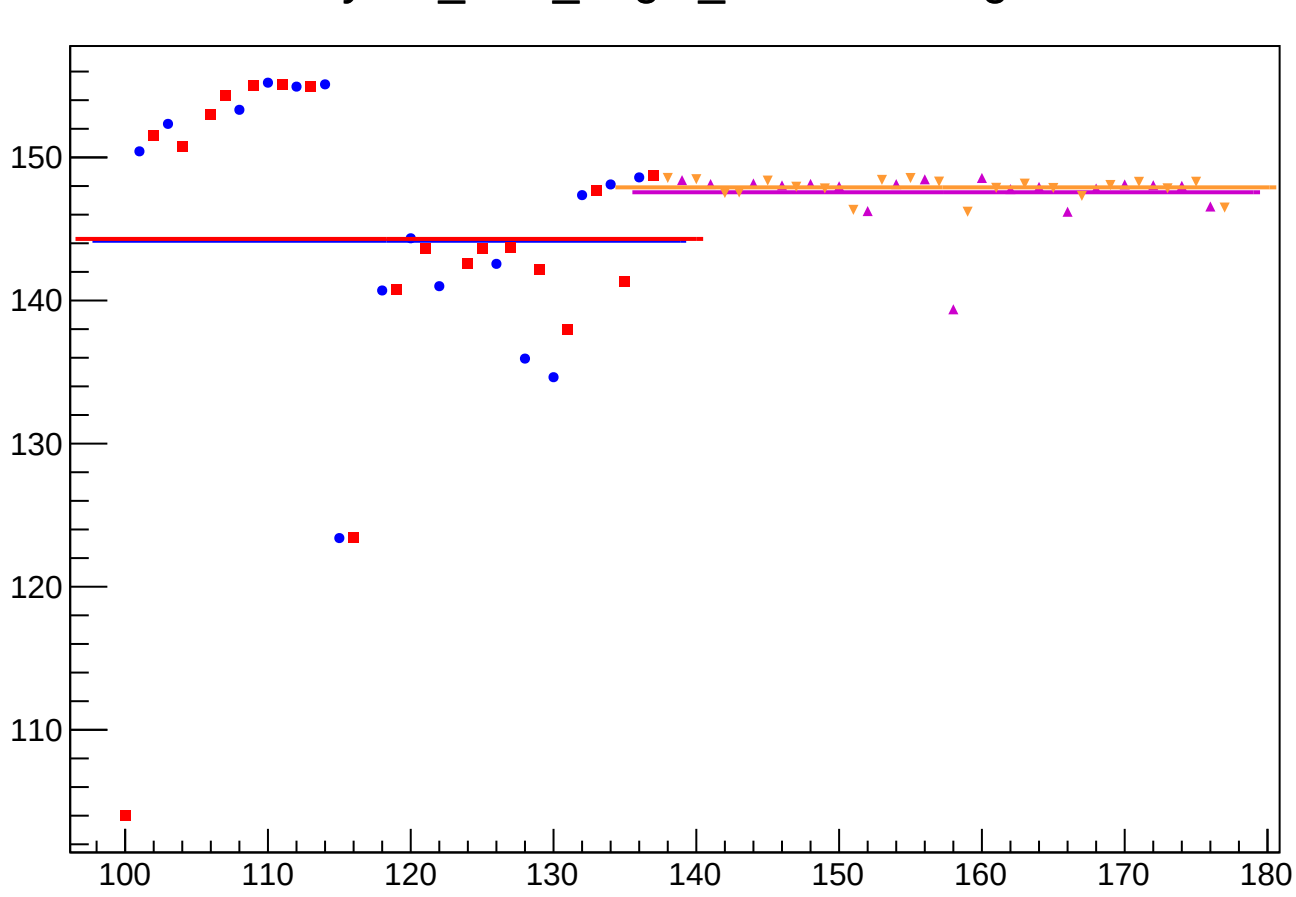
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.277+/-0.006 χ^2/NDF:80577.4/18

+ sign 31.241+/-0.005 χ^2/NDF: 3316642.2/36

All: 31.194+/-0.003 χ^2/NDF: 6935775.2/74

- sign 31.143+/-0.005 χ^2/NDF: 3618921.5/37



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.909+/-0.000 χ^2/NDF:40200883.5/20

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

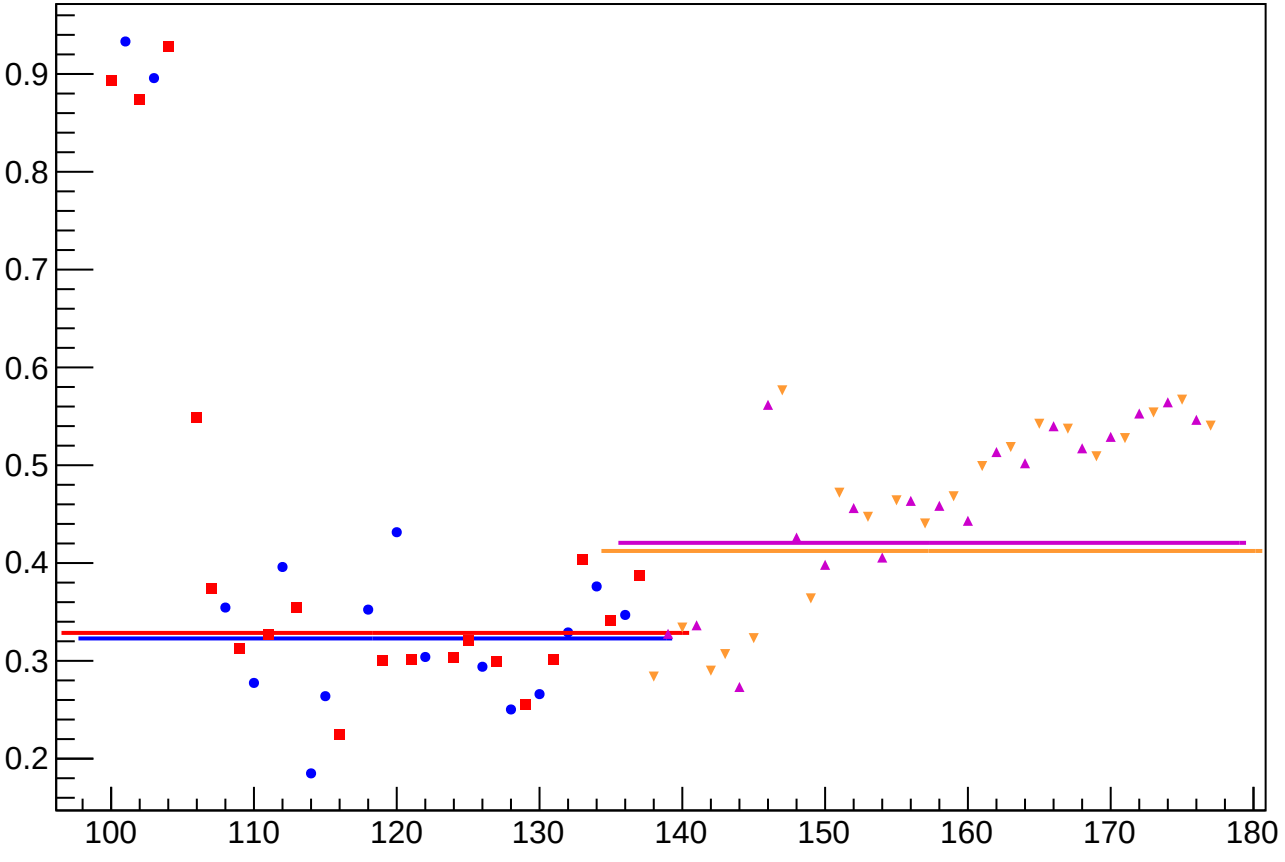
Left In: 147.565+/-0.000 χ^2/NDF:292668869.4/18

+ sign 146.454+/-0.000 χ^2/NDF: 4250153028.5/36

All: 146.342+/-0.000 χ^2/NDF: 9164124703.4

- sign 146.222+/-0.000 χ^2/NDF: 4910160186.3/37

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.412+/-0.000 χ^2/NDF:1803272.2/20

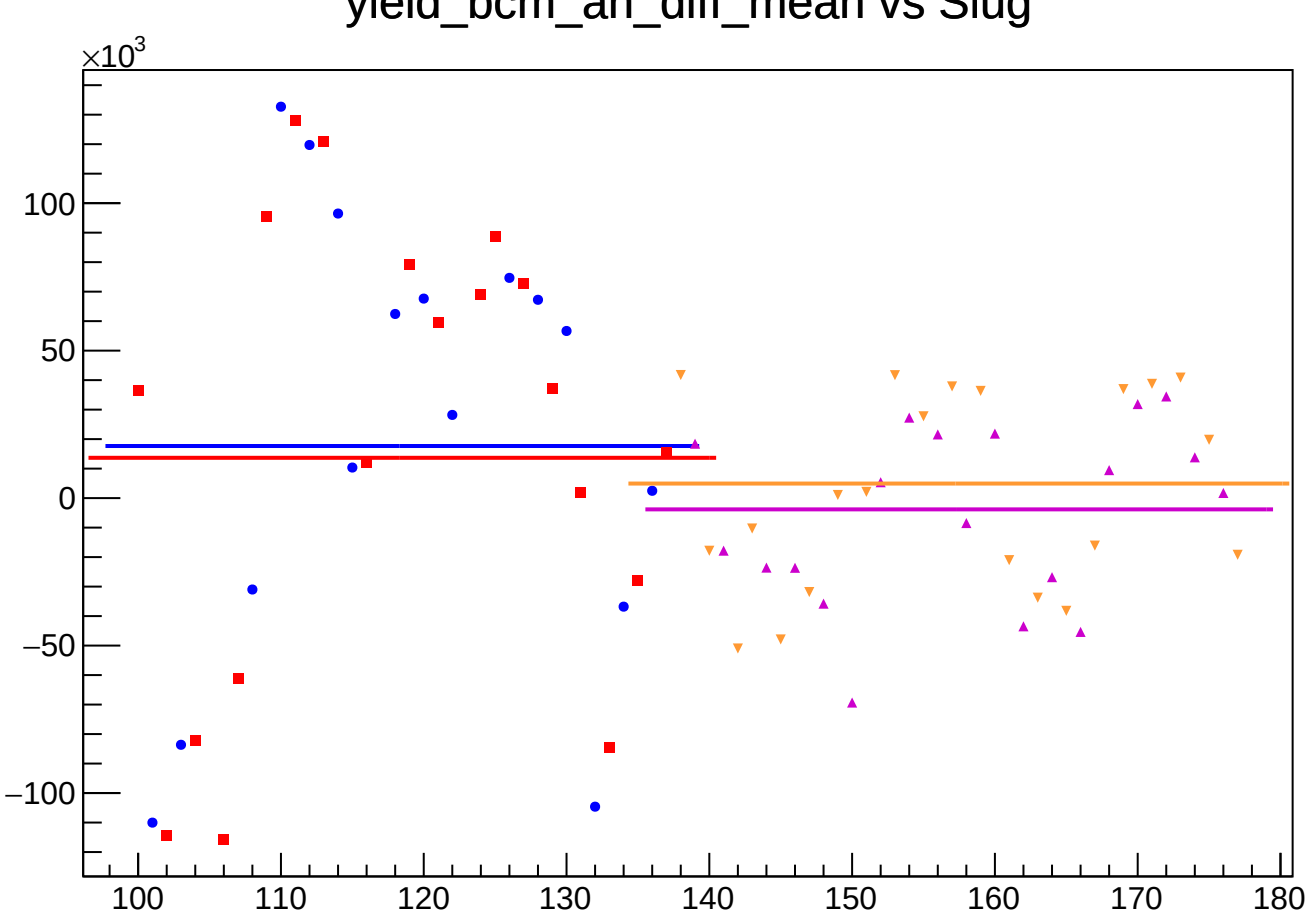
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.421+/-0.000 χ^2/NDF:1428187.8/18

+ sign 0.377+/-0.000 χ^2/NDF: 3756763.4/36

All: 0.380+/-0.000 χ^2/NDF: 7056254.0/74

- sign 0.383+/-0.000 χ^2/NDF: 3295593.9/37



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 4933.891+/-1.189 χ^2/NDF:696062897.2/20

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

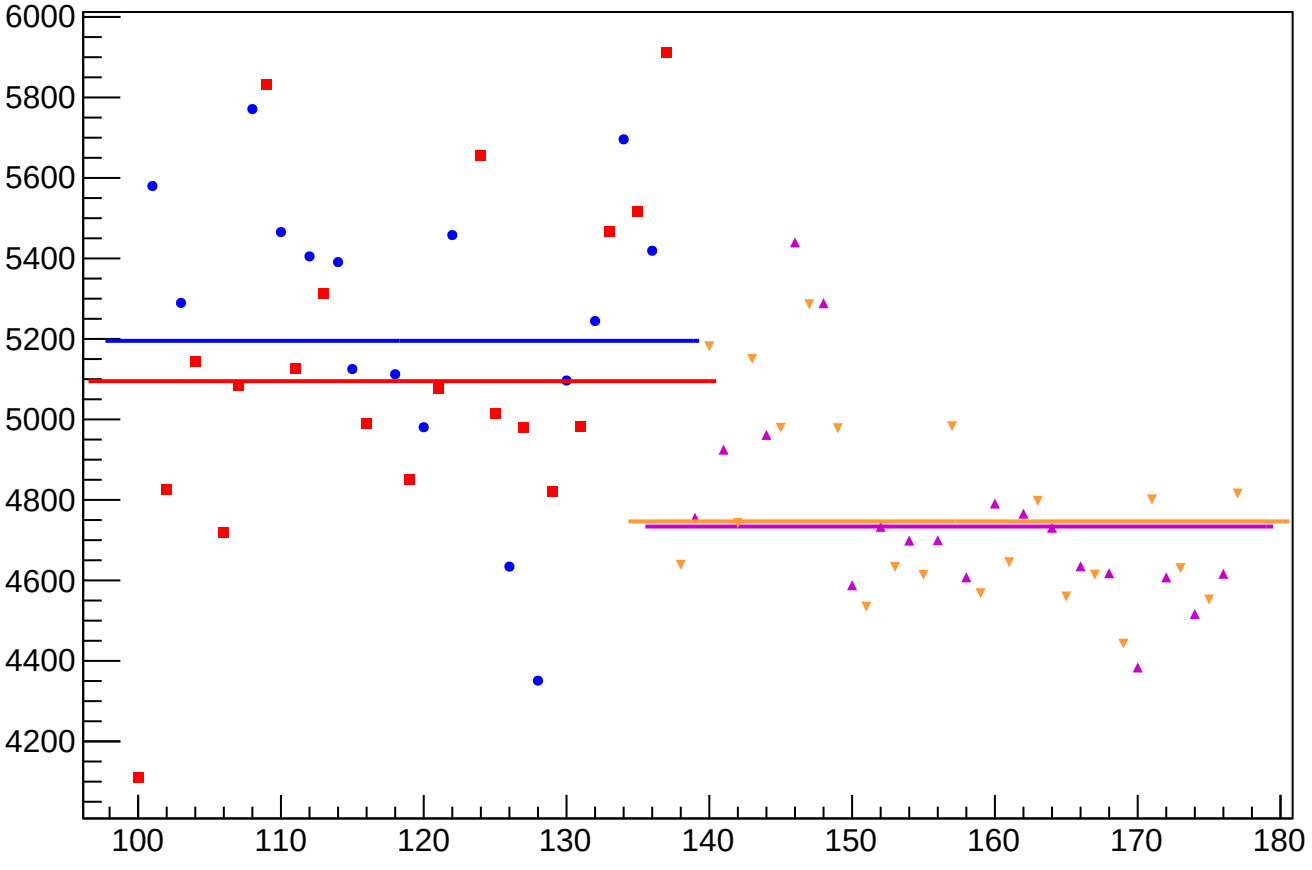
Left In: -3819.352+/-1.229 χ^2/NDF:581698690.0/18

+ sign 8242.542+/-1.022 χ^2/NDF: 2124619502.9/36

All: 4787.701+/-0.728 χ^2/NDF: 4645042222.

- sign 1242.711+/-1.036 χ^2/NDF: 2497289651.8/37

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4746.662+/-0.840 χ^2/NDF:71506.6/20

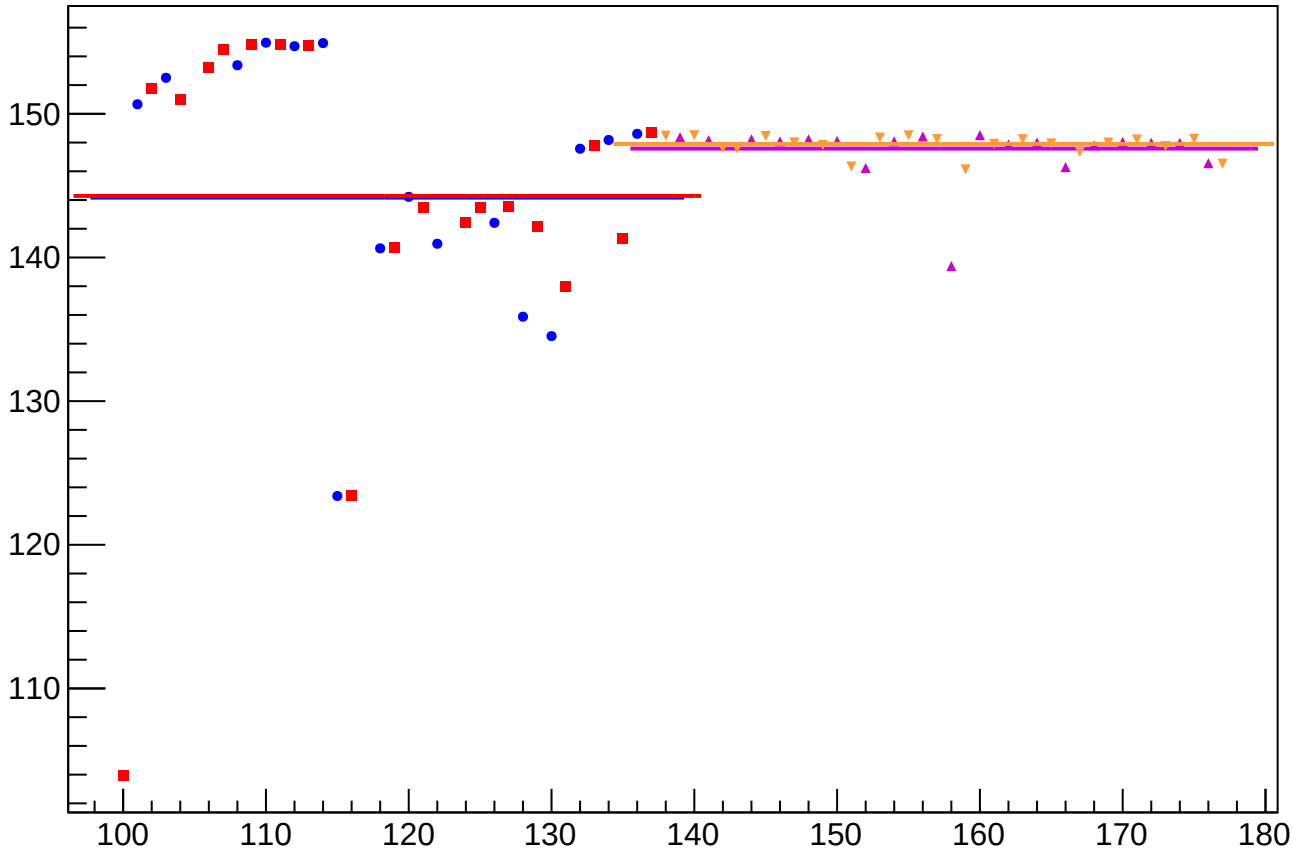
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4733.848+/-0.869 χ^2/NDF:71094.0/18

\+ sign 4863.268+/-0.723 χ^2/NDF: 222743.4/36

All: 4851.001+/-0.515 χ^2/NDF: 403566.7/74

\- sign 4838.414+/-0.732 χ^2/NDF: 180240.1/37



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.905+/-0.000 χ^2/NDF:39749553.8/20

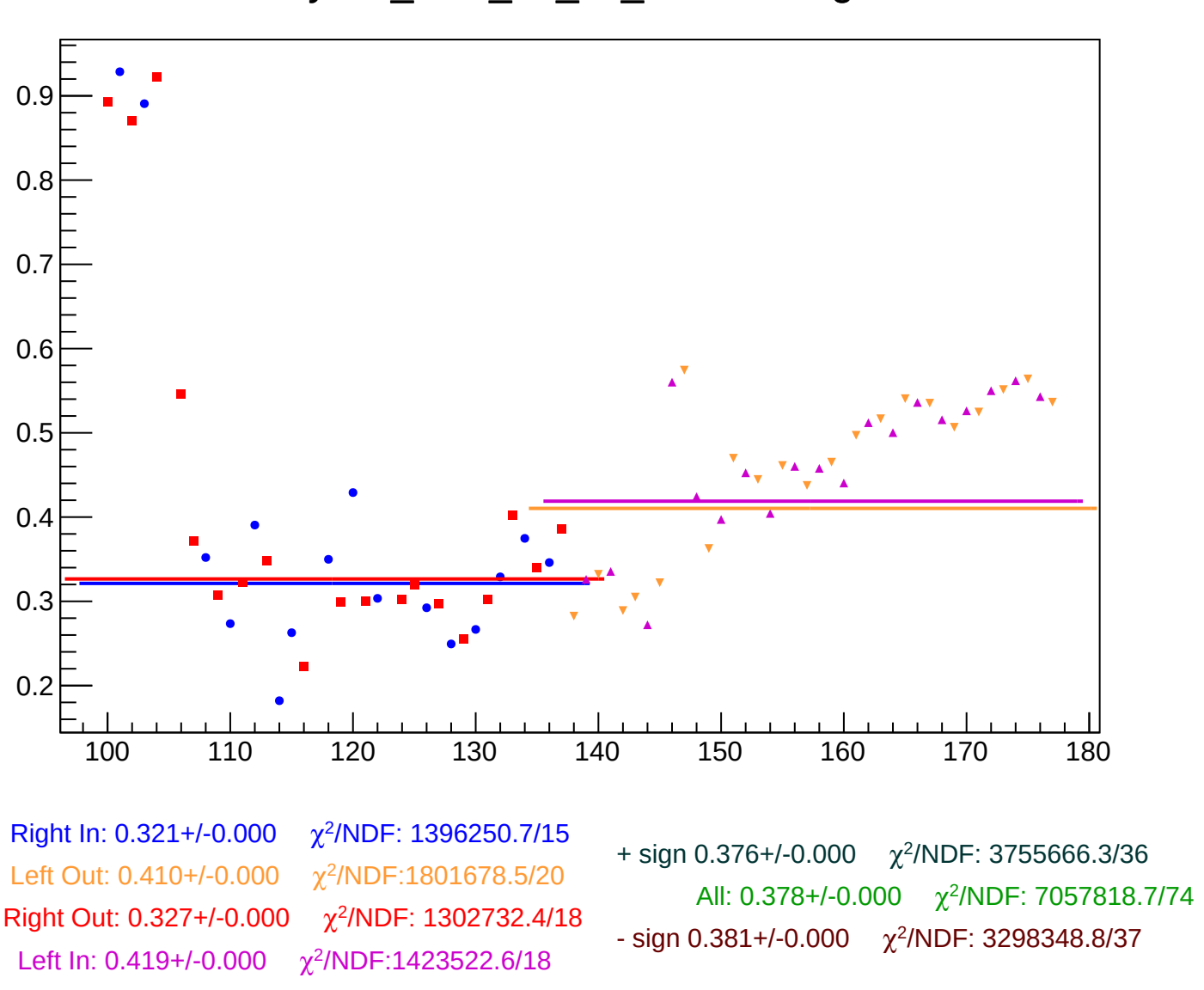
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

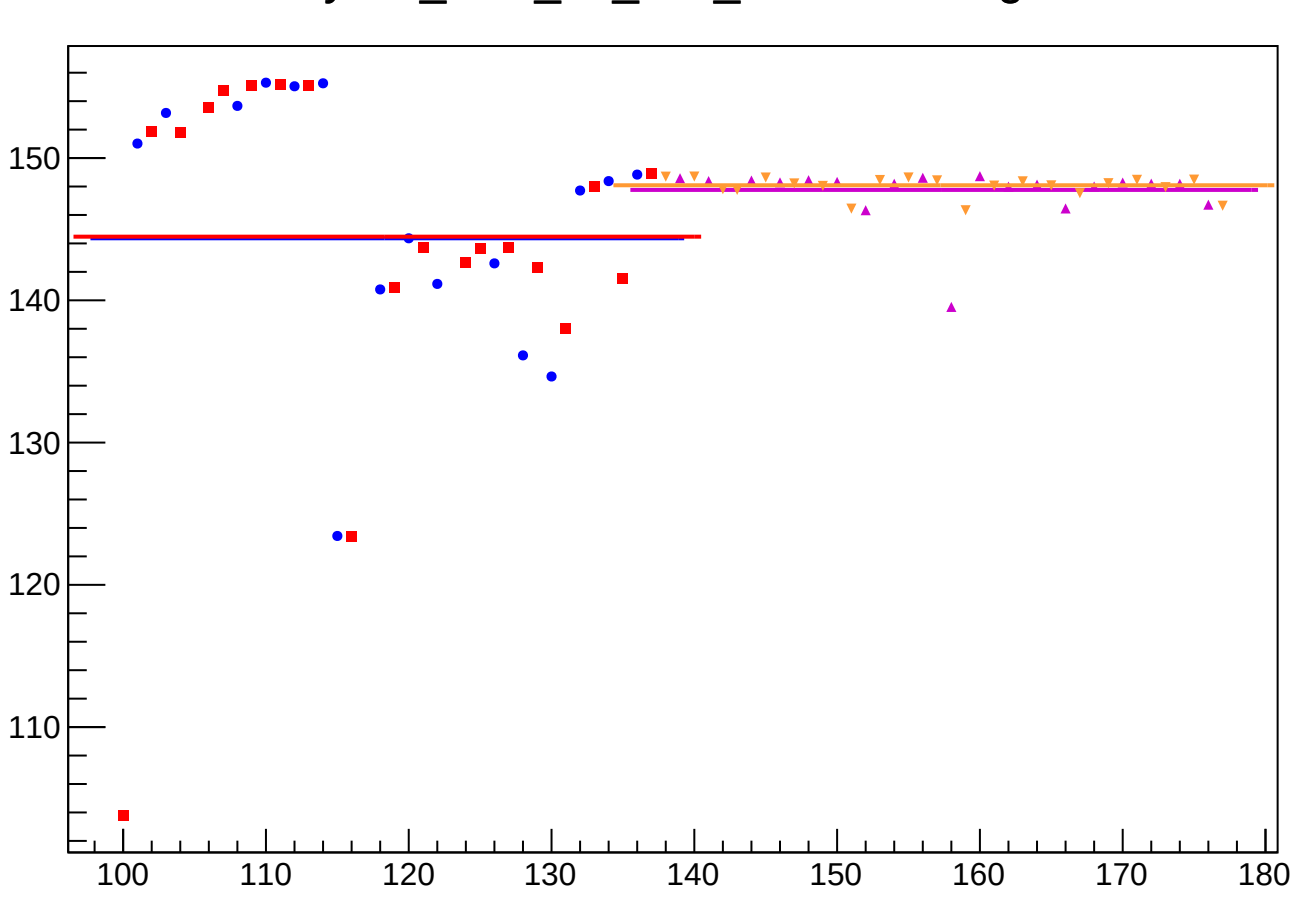
Left In: 147.580+/-0.000 χ^2/NDF:293039280.0/18

+ sign 146.450+/-0.000 χ^2/NDF: 4294805177.1/36

All: 146.339+/-0.000 χ^2/NDF: 9245865560.3

- sign 146.221+/-0.000 χ^2/NDF: 4947310165.5/37


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: 0.410+/-0.000 χ²/NDF:1801678.5/20
Right Out: 0.327+/-0.000 χ²/NDF: 1302732.4/18
Left In: 0.419+/-0.000 χ²/NDF:1423522.6/18
+ sign 0.376+/-0.000 χ²/NDF: 3755666.3/36
All: 0.378+/-0.000 χ²/NDF: 7057818.7/74
- sign 0.381+/-0.000 χ²/NDF: 3298348.8/37



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.088+/-0.000 χ^2/NDF:40371894.1/20

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

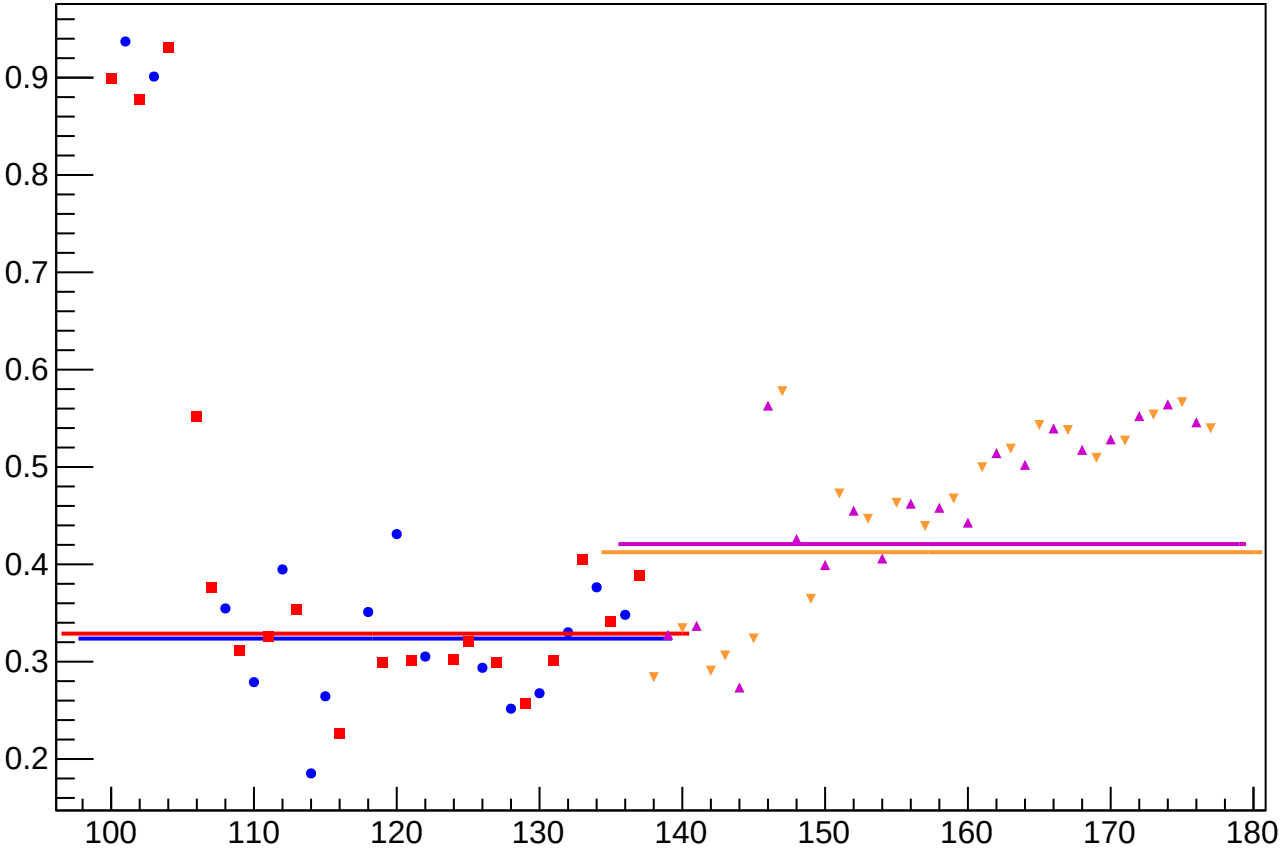
Left In: 147.761+/-0.000 χ^2/NDF:297655694.9/18

+ sign 146.639+/-0.000 χ^2/NDF: 4281430811.0/36

All: 146.527+/-0.000 χ^2/NDF: 9222998061.9

- sign 146.408+/-0.000 χ^2/NDF: 4937797561.8/37

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.412+/-0.000 χ^2/NDF:1798750.5/20

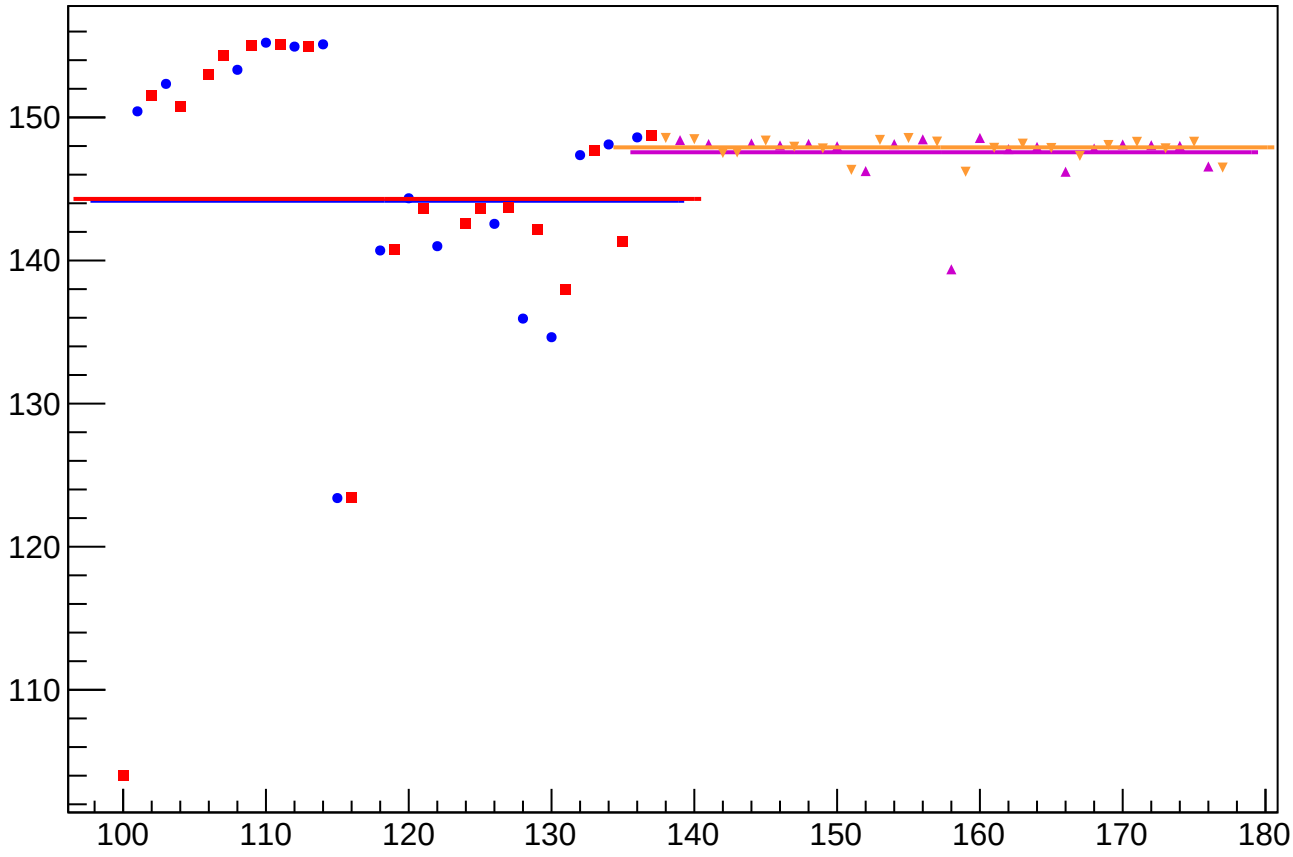
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.421+/-0.000 χ^2/NDF:1422553.4/18

+ sign 0.378+/-0.000 χ^2/NDF: 3738049.3/36

All: 0.380+/-0.000 χ^2/NDF: 7028838.9/74

- sign 0.383+/-0.000 χ^2/NDF: 3287256.6/37



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.909+/-0.000 χ^2/NDF:40200883.5/20

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

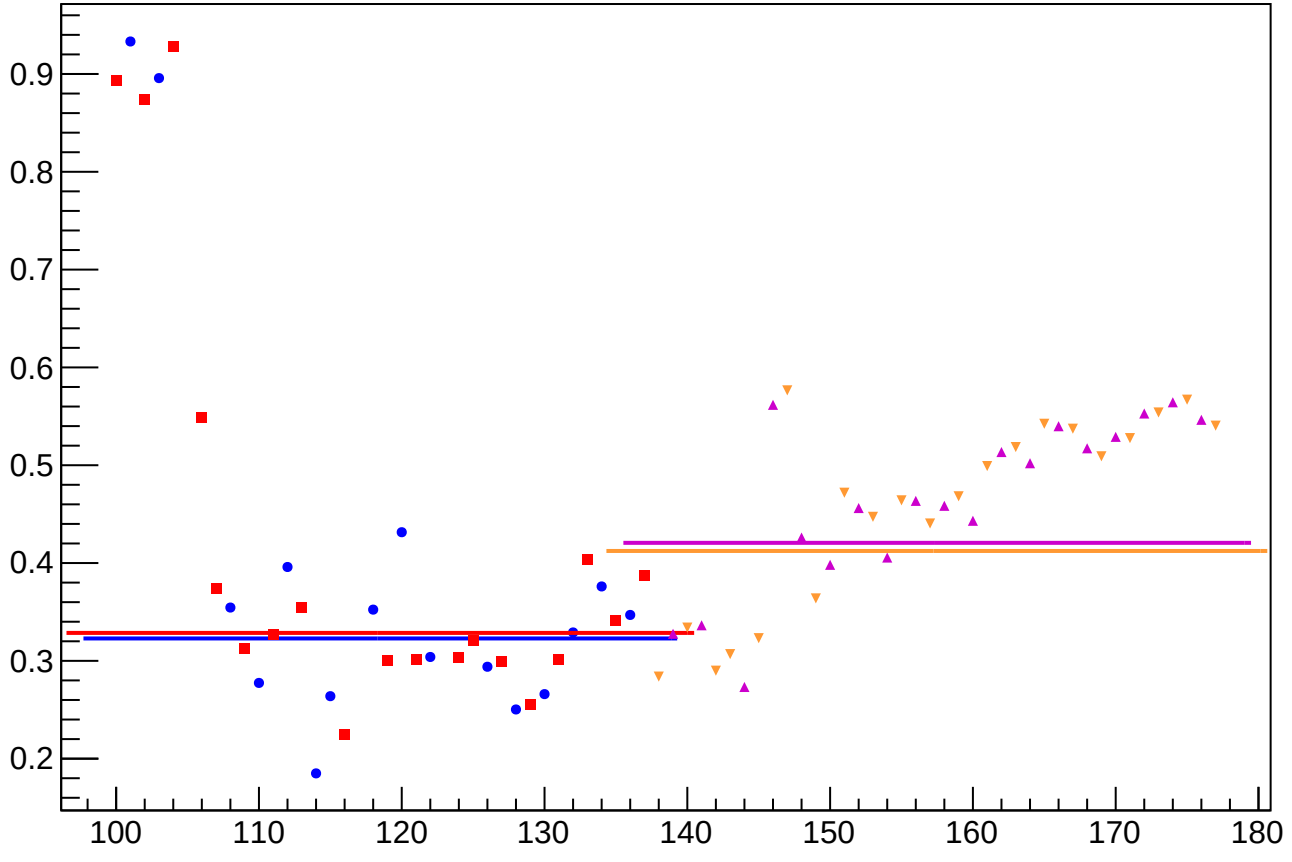
Left In: 147.565+/-0.000 χ^2/NDF:292668869.4/18

+ sign 146.454+/-0.000 χ^2/NDF: 4250153028.5/36

All: 146.342+/-0.000 χ^2/NDF: 9164124703.4

- sign 146.222+/-0.000 χ^2/NDF: 4910160186.3/37

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.412+/-0.000 χ^2/NDF:1803272.2/20

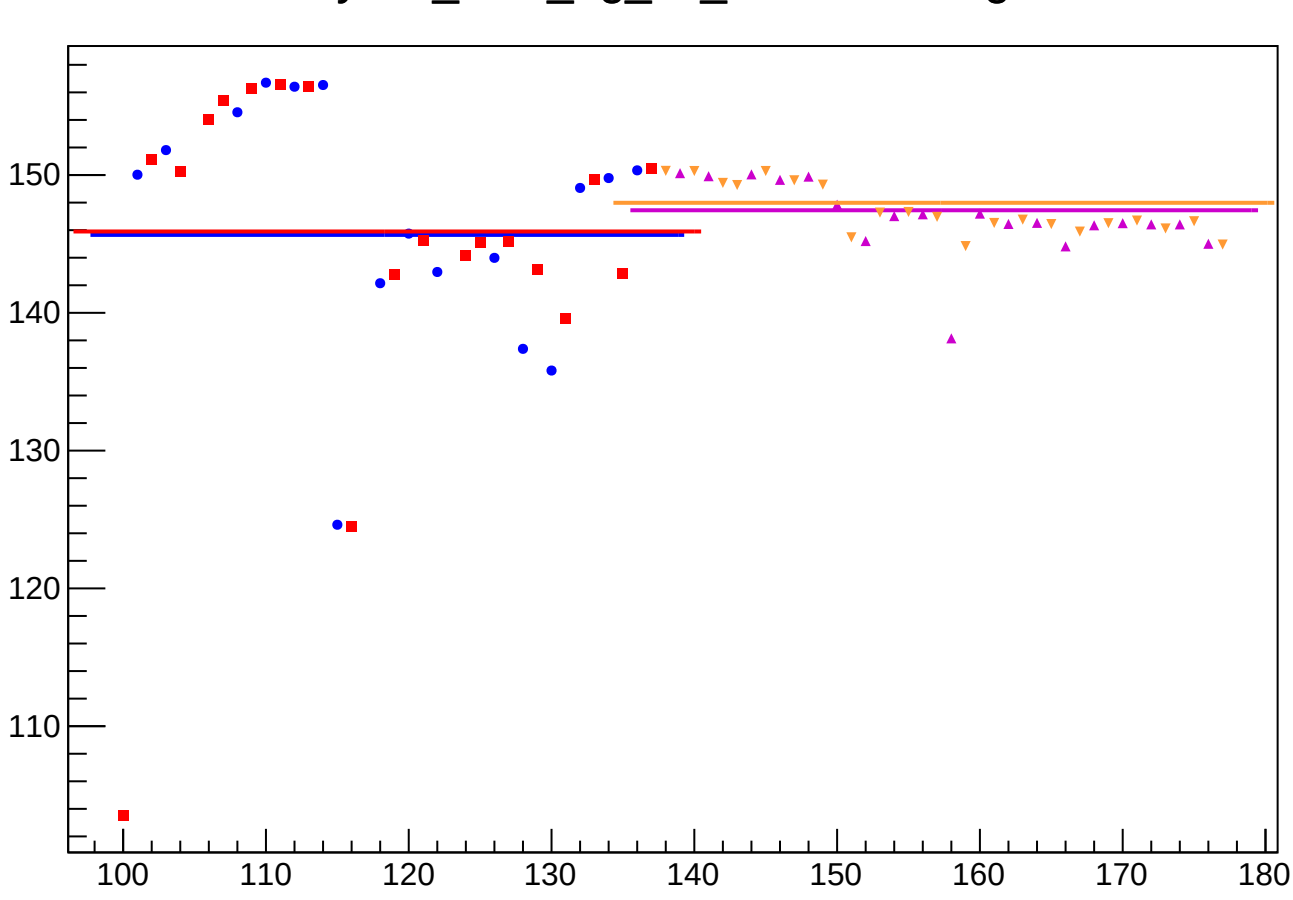
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.421+/-0.000 χ^2/NDF:1428187.8/18

+ sign 0.377+/-0.000 χ^2/NDF: 3756763.4/36

All: 0.380+/-0.000 χ^2/NDF: 7056254.0/74

- sign 0.383+/-0.000 χ^2/NDF: 3295593.9/37



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.986+/-0.000 χ^2/NDF:291448276.0/20

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

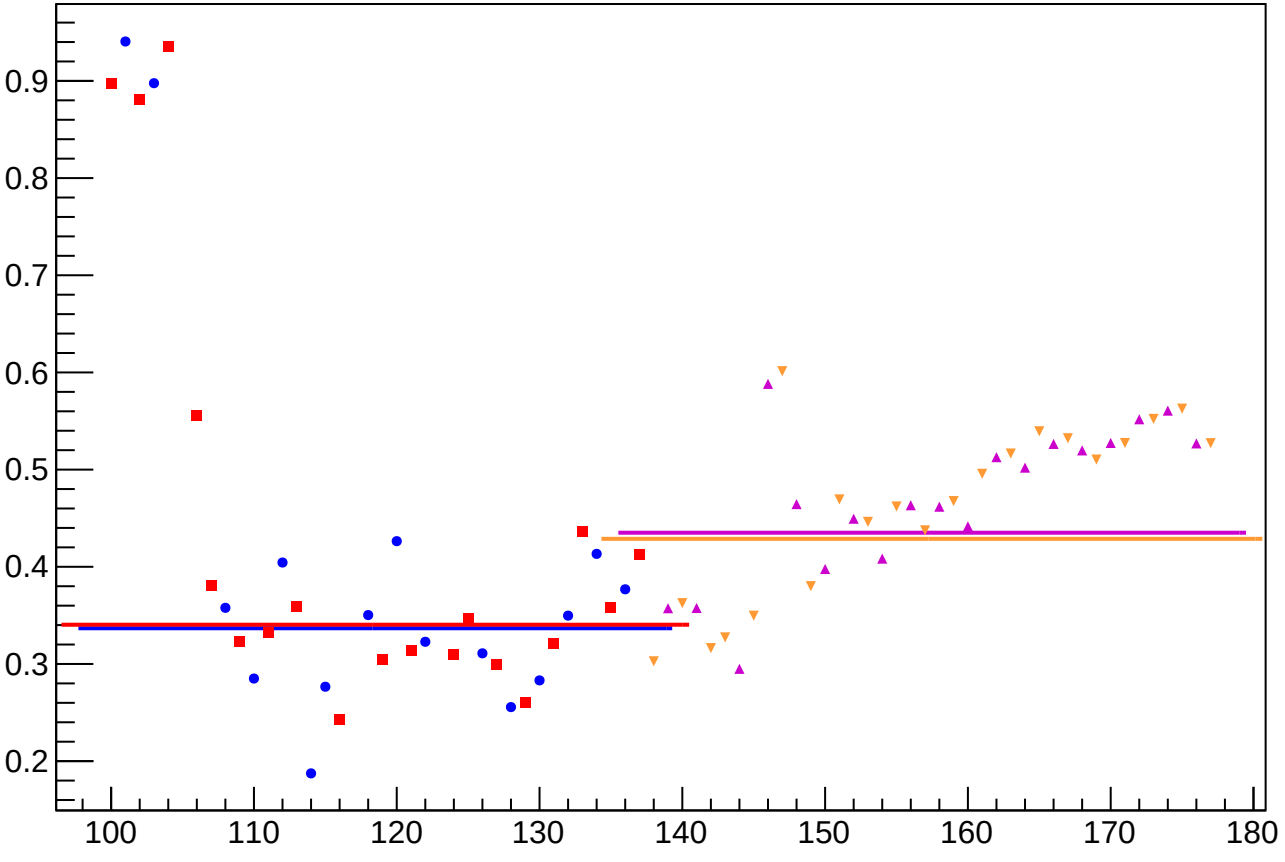
Left In: 147.444+/-0.000 χ^2/NDF:576521030.0/18

+ sign 147.089+/-0.000 χ^2/NDF: 3947906678.9/36

All: 146.956+/-0.000 χ^2/NDF: 8466153923.1

- sign 146.816+/-0.000 χ^2/NDF: 4513311377.2/37

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.429+/-0.000 χ^2/NDF:1337002.9/20

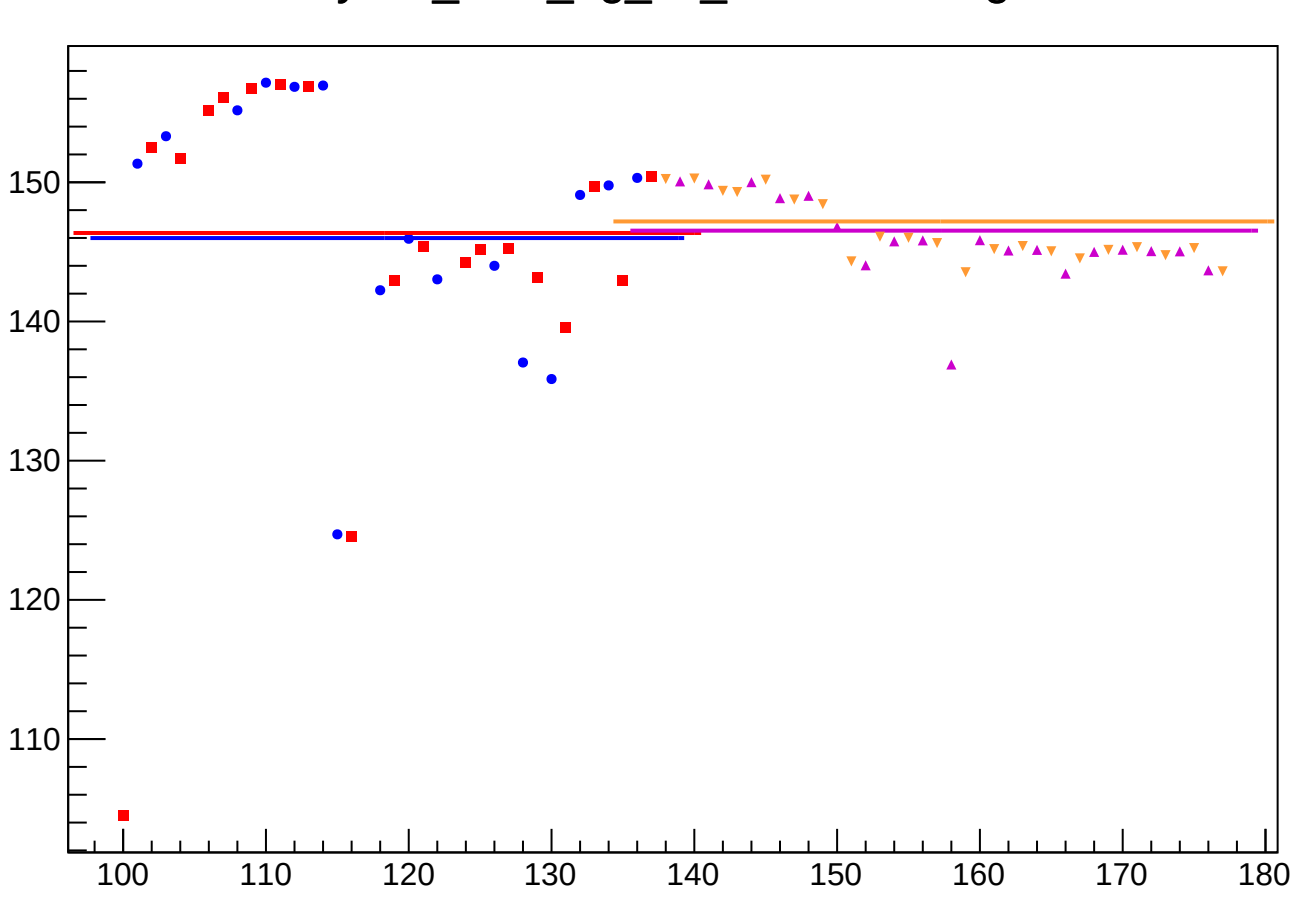
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.435+/-0.000 χ^2/NDF:1081059.2/18

+ sign 0.393+/-0.000 χ^2/NDF: 3253540.1/36

All: 0.395+/-0.000 χ^2/NDF: 6168712.3/74

- sign 0.396+/-0.000 χ^2/NDF: 2913885.4/37



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.187+/-0.000 χ^2/NDF:488034059.9/20

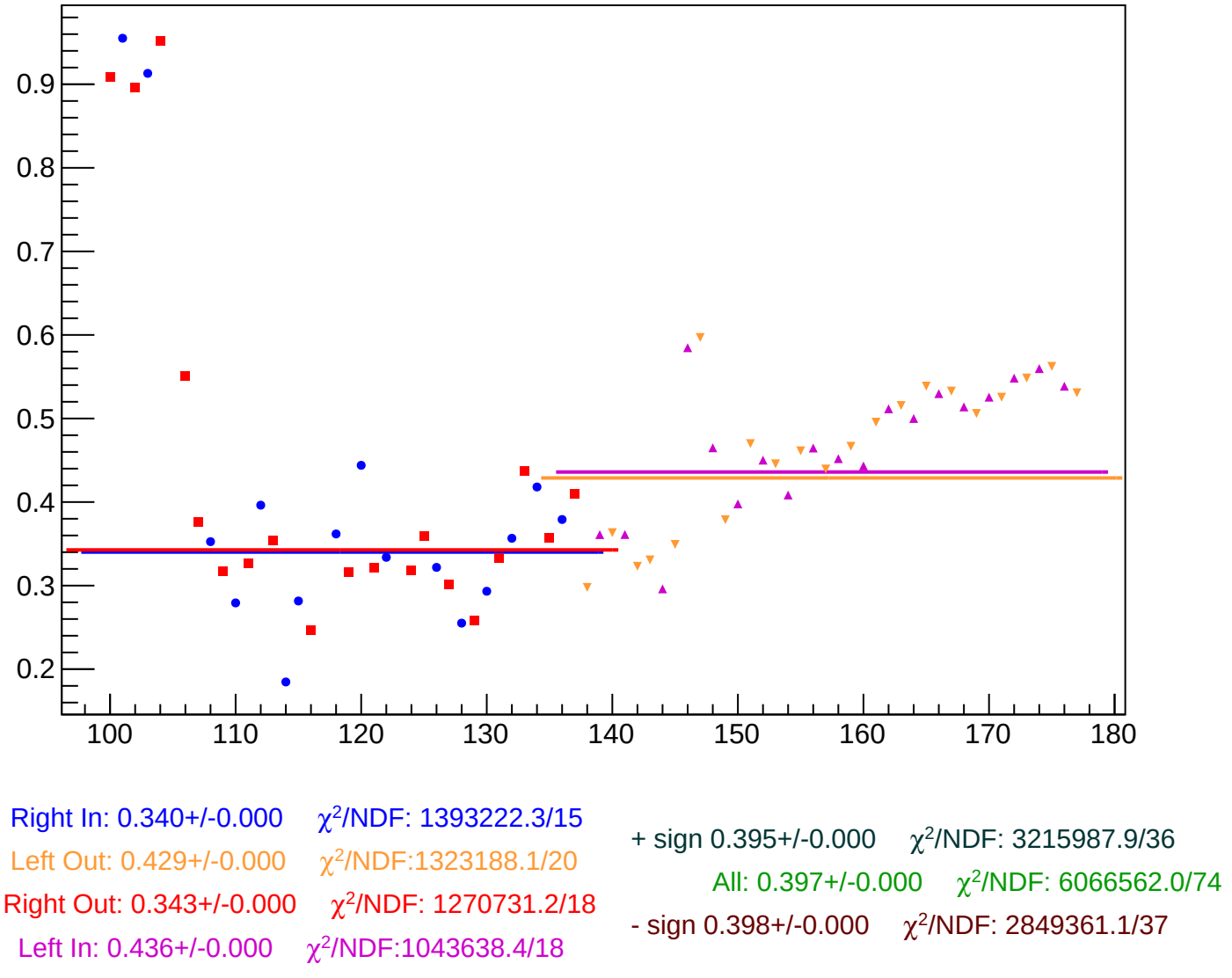
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.526+/-0.000 χ^2/NDF:768529116.3/18

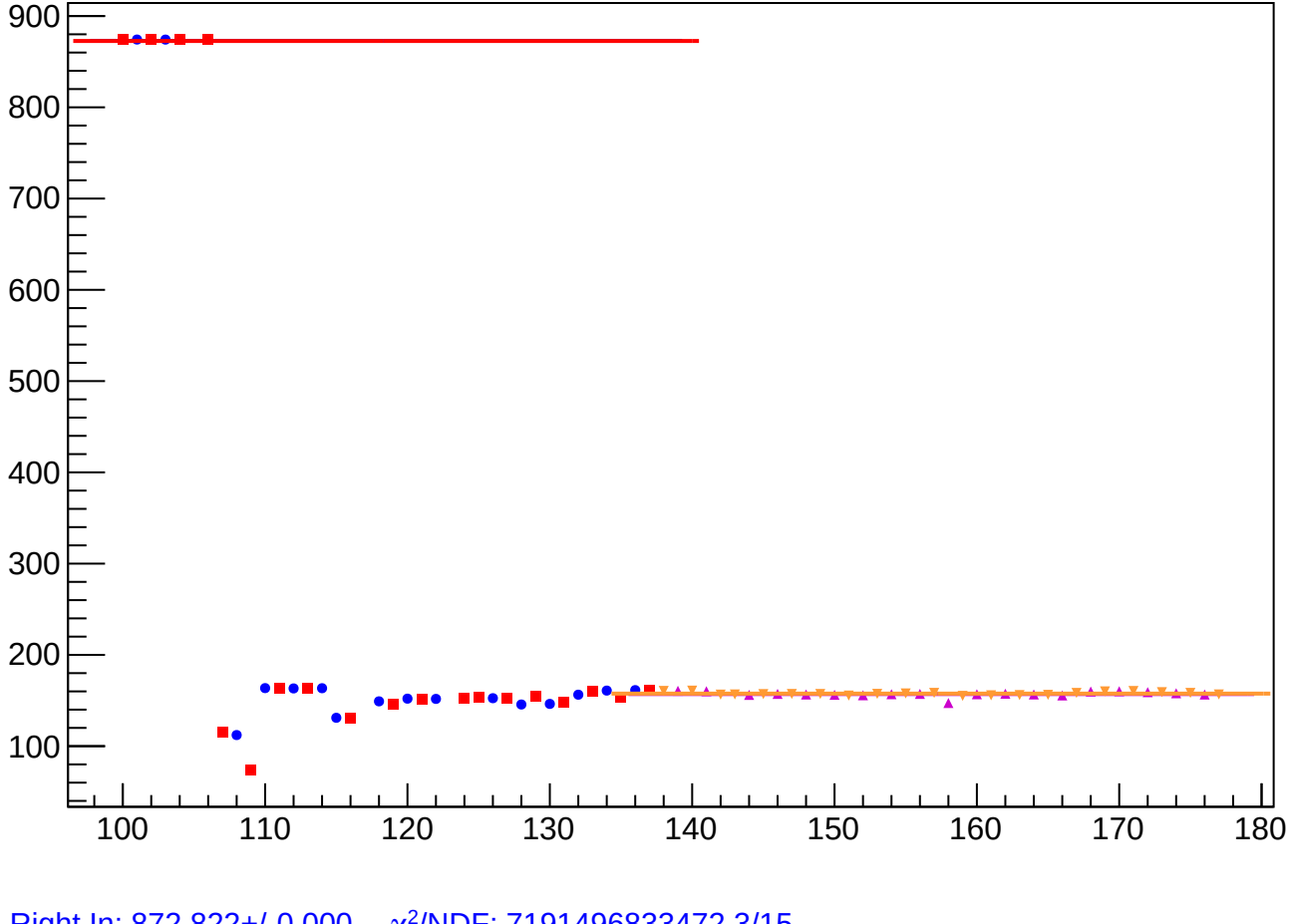
+ sign 146.733+/-0.000 χ^2/NDF: 4154989737.1/36

All: 146.599+/-0.000 χ^2/NDF: 8892475947.2

- sign 146.458+/-0.000 χ^2/NDF: 4732514801.3/37


yield_bcm_dg_ds_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
170
180
Right In: 0.340+/-0.000 χ²/NDF: 1393222.3/15
Left Out: 0.429+/-0.000 χ²/NDF:1323188.1/20
Right Out: 0.343+/-0.000 χ²/NDF: 1270731.2/18
Left In: 0.436+/-0.000 χ²/NDF:1043638.4/18
+ sign 0.395+/-0.000 χ²/NDF: 3215987.9/36
All: 0.397+/-0.000 χ²/NDF: 6066562.0/74
- sign 0.398+/-0.000 χ²/NDF: 2849361.1/37

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.569+/-0.000 χ^2/NDF:92469403.6/20

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

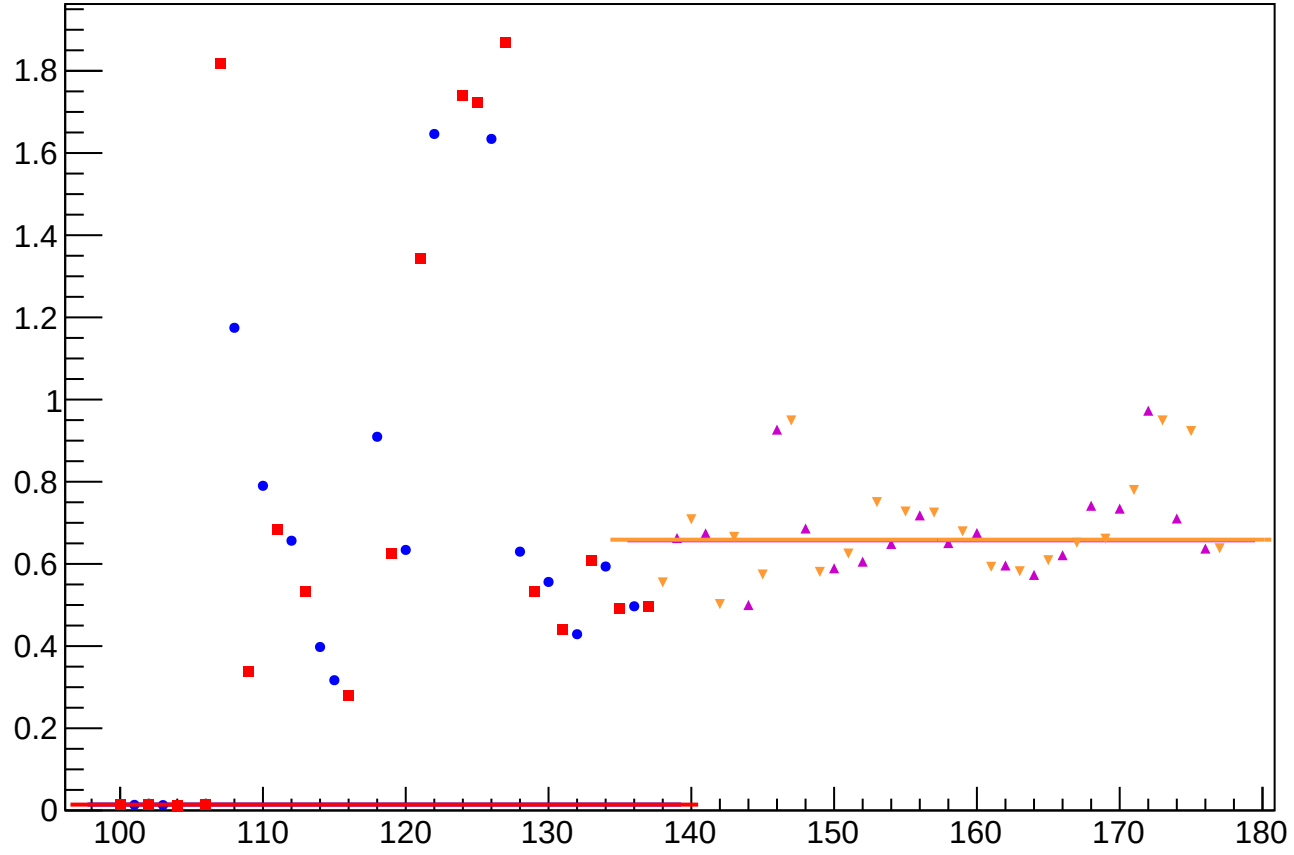
Left In: 157.095+/-0.000 χ^2/NDF:202686196.6/18

+ sign 869.924+/-0.000 χ^2/NDF: 21959245454413.

All: 870.124+/-0.000 χ^2/NDF: 450905850068

- sign 870.299+/-0.000 χ^2/NDF: 23130801980146.3

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.659+/-0.000 χ^2/NDF:606740.0/20

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

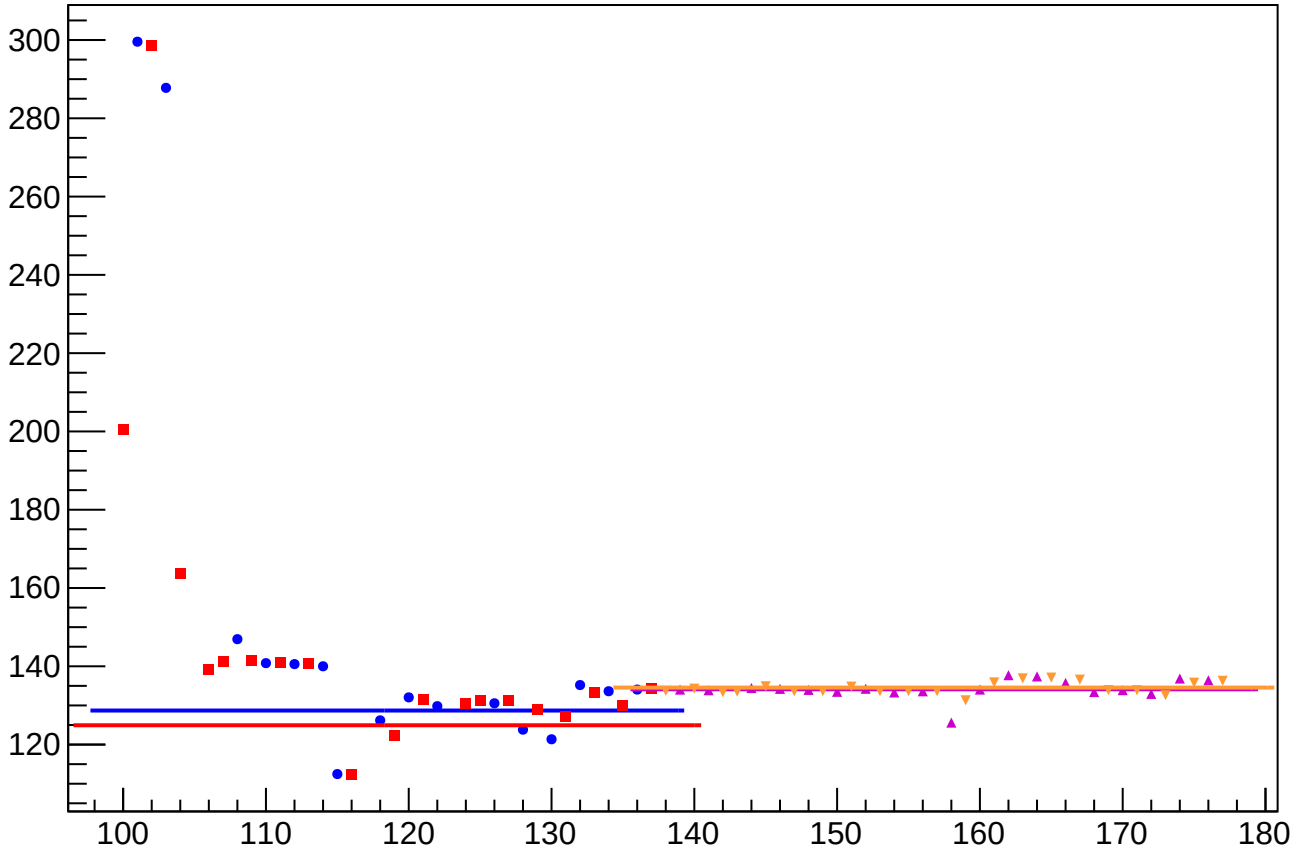
Left In: 0.657+/-0.000 χ^2/NDF:461774.8/18

+ sign 0.017+/-0.000 χ^2/NDF: 34219248.0/36

All: 0.017+/-0.000 χ^2/NDF: 66658880.5/74

- sign 0.016+/-0.000 χ^2/NDF: 32436727.0/37

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.562+/-0.000 χ^2/NDF:136818368.6/20

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

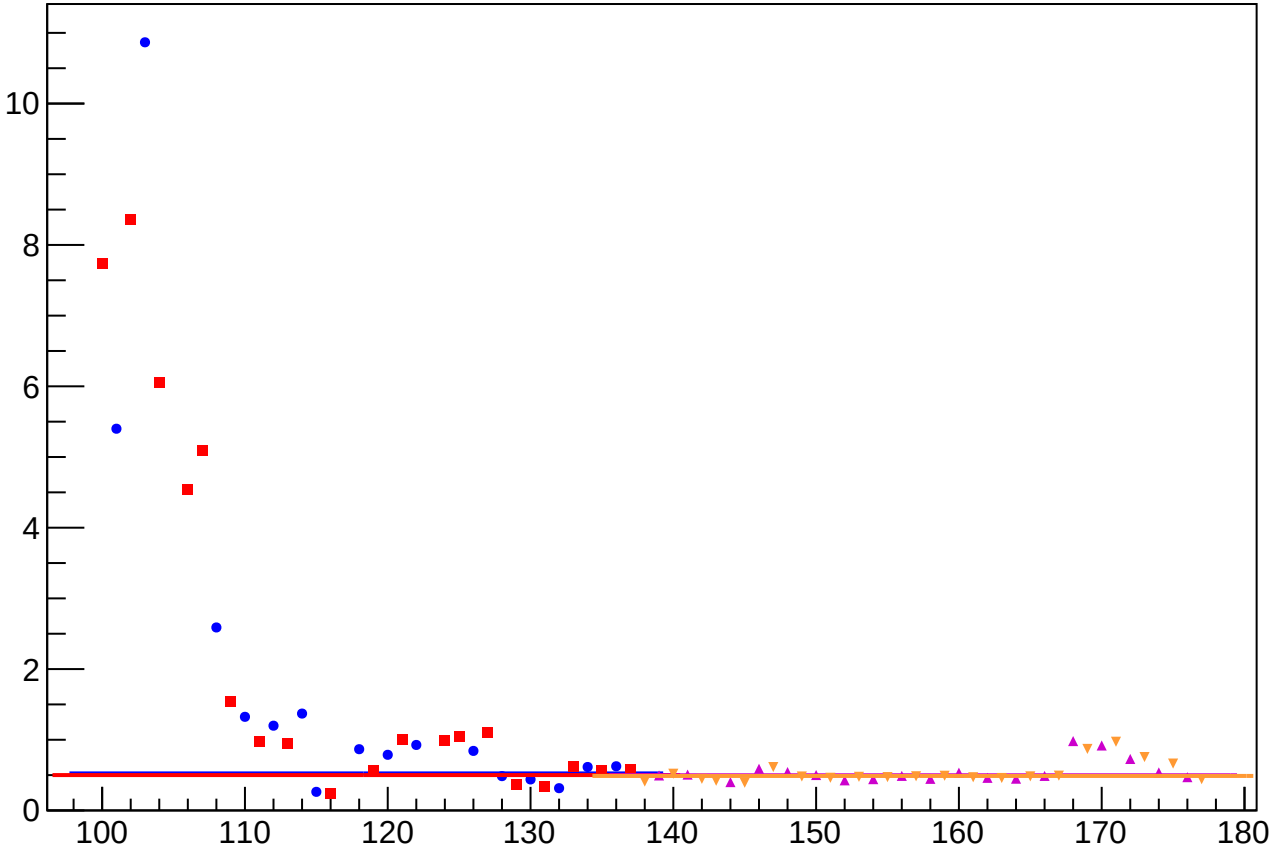
Left In: 134.126+/-0.000 χ^2/NDF:408792051.7/18

+ sign 133.491+/-0.000 χ^2/NDF: 2168271082.2/36

All: 132.882+/-0.000 χ^2/NDF: 4971422805.7

- sign 132.225+/-0.000 χ^2/NDF: 2746772831.1/37

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.488+/-0.000 χ^2/NDF:1164170.0/20

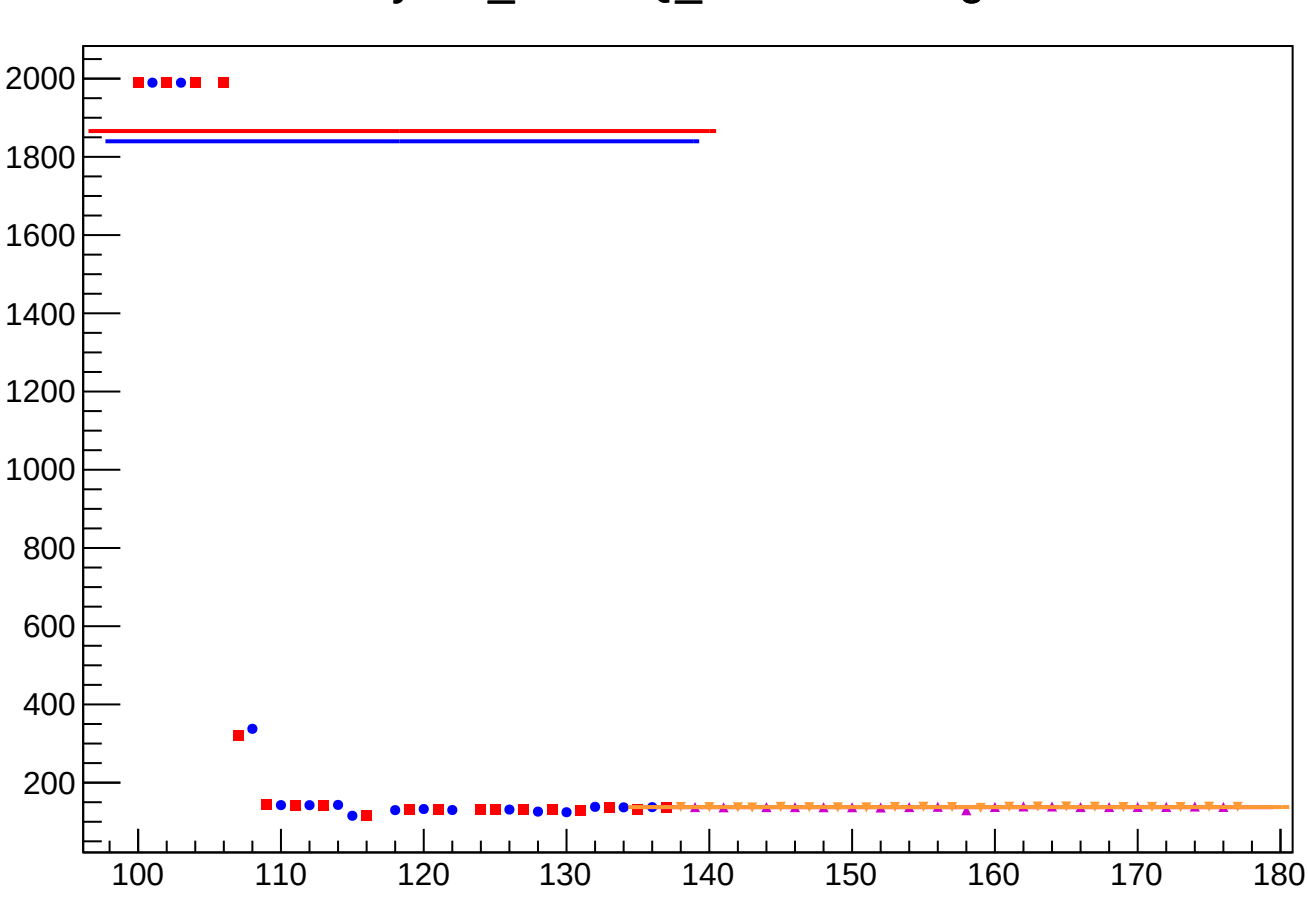
Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.498+/-0.000 χ^2/NDF:1089677.4/18

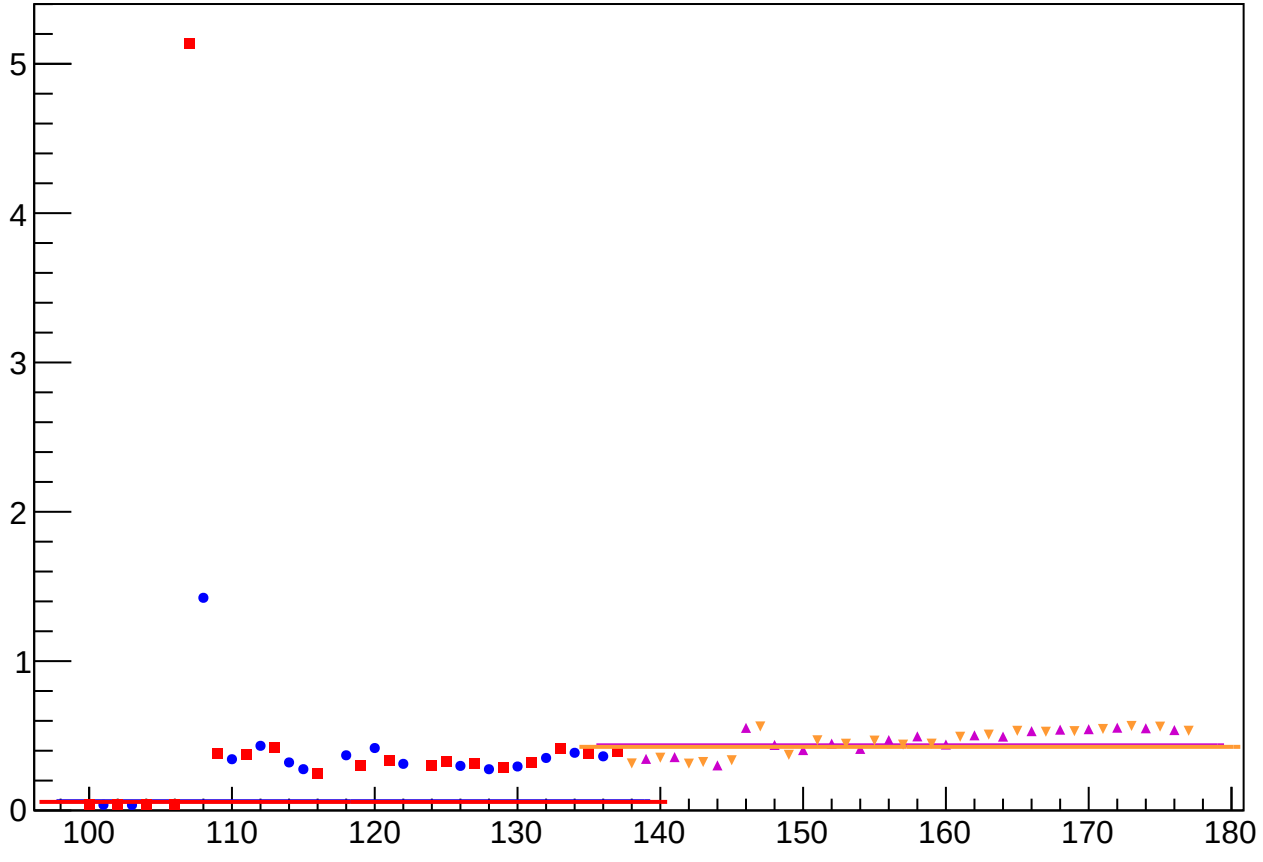
+ sign 0.495+/-0.000 χ^2/NDF: 5330318.4/36

All: 0.497+/-0.000 χ^2/NDF: 11305166.1/74

- sign 0.498+/-0.000 χ^2/NDF: 5973965.4/37


yield_cav4dQ_mean vs Slug
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 1839.782+/-0.000 χ²/NDF: 145916014549797.4/15
Left Out: 137.555+/-0.000 χ²/NDF:62943090.3/20
Right Out: 1865.968+/-0.000 χ²/NDF: 142769122276045.8/18
Left In: 137.338+/-0.000 χ²/NDF:238183048.9/18
+ sign 1618.445+/-0.000 χ²/NDF: 36079544059683
All: 1655.583+/-0.000 χ²/NDF: 7096891010
- sign 1688.387+/-0.000 χ²/NDF: 34719083497960

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.426+/-0.000 χ^2/NDF:1363432.7/20

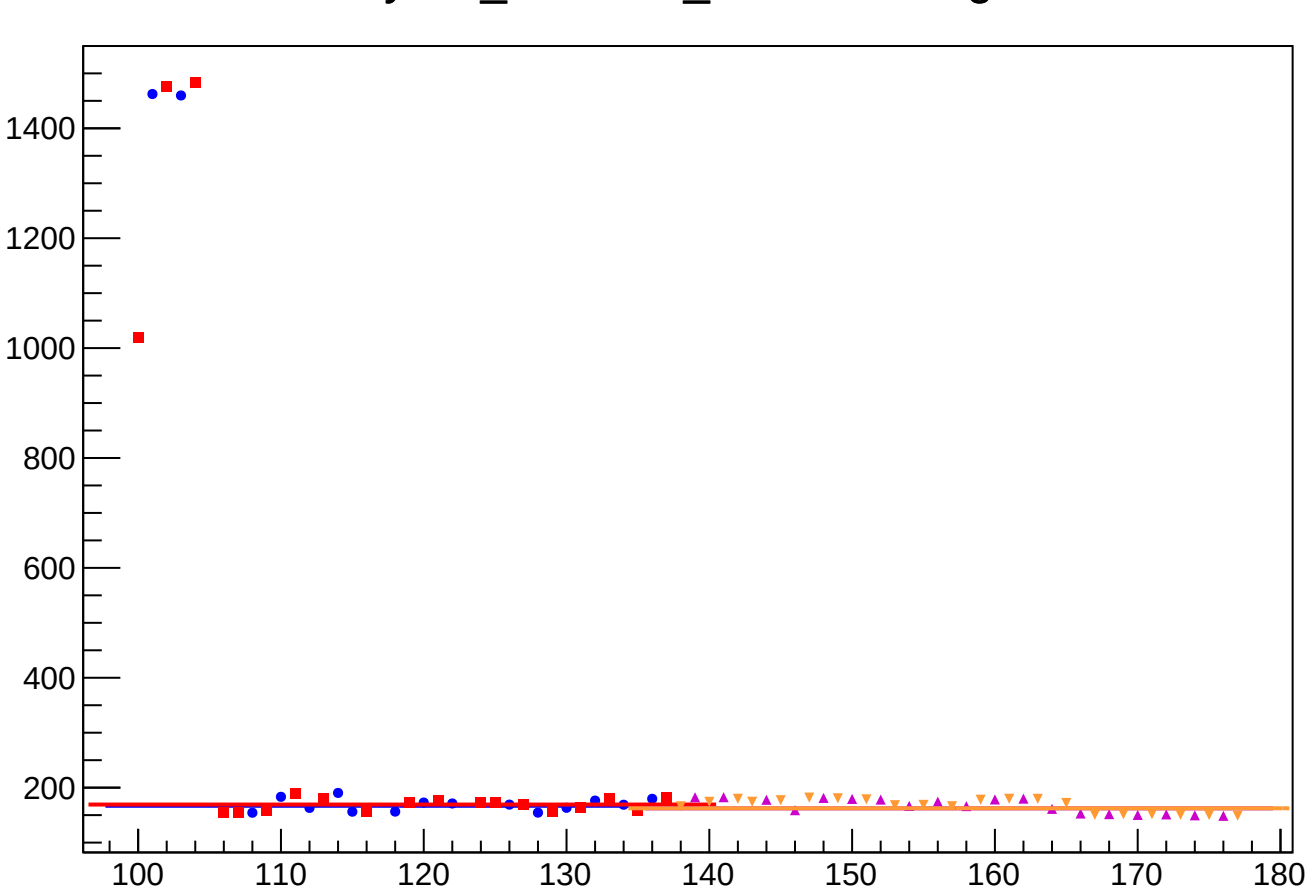
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.436+/-0.000 χ^2/NDF:1066697.2/18

+ sign 0.109+/-0.000 χ^2/NDF: 29207517.9/36

All: 0.102+/-0.000 χ^2/NDF: 57765644.1/74

- sign 0.096+/-0.000 χ^2/NDF: 28441850.7/37



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 162.462+/-0.000 χ^2/NDF:3218277202.8/20

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

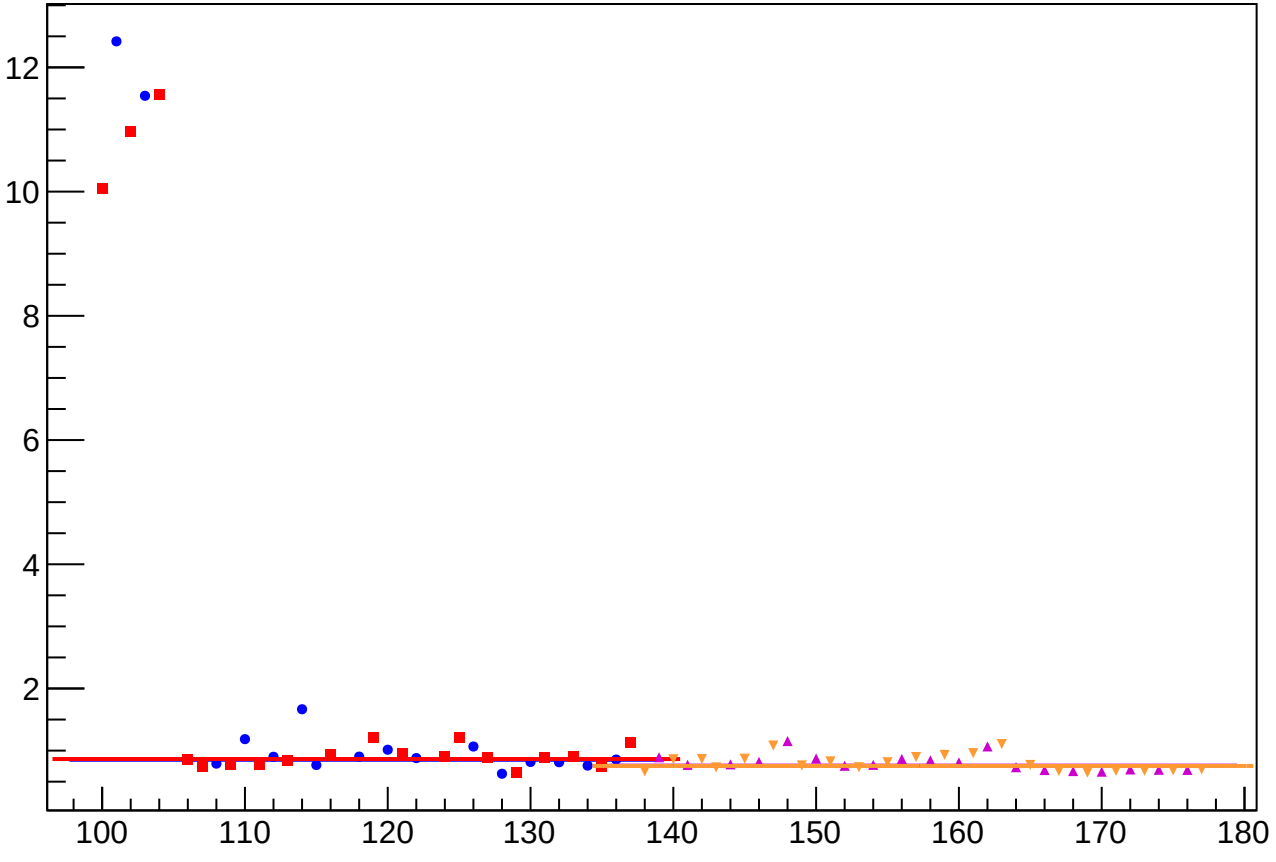
Left In: 162.287+/-0.000 χ^2/NDF:3148352493.0/18

+ sign 163.383+/-0.000 χ^2/NDF: 17920887319.9/36

All: 163.600+/-0.000 χ^2/NDF: 37595423321.

- sign 163.830+/-0.000 χ^2/NDF: 19672003963.0/37

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.753+/-0.000 χ^2/NDF:533027.3/20

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

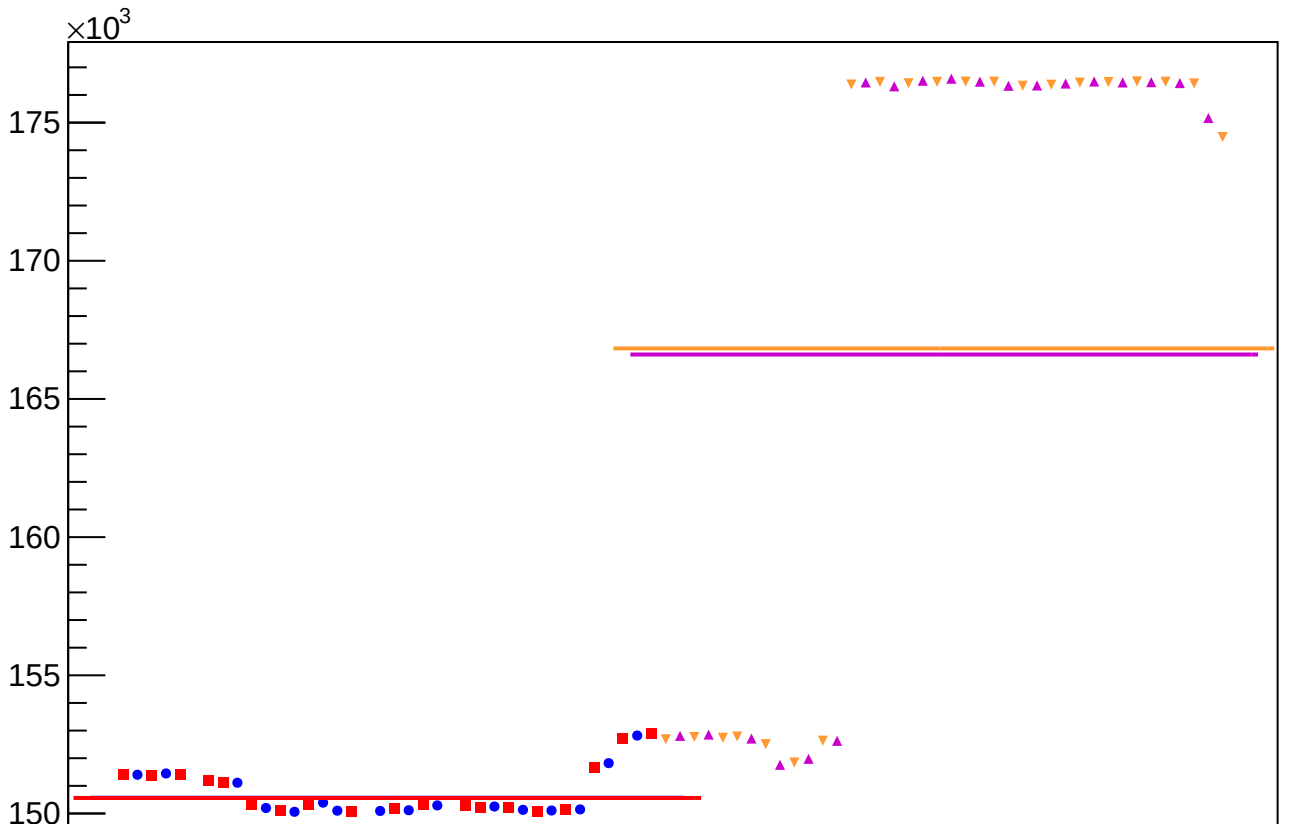
Left In: 0.758+/-0.000 χ^2/NDF:420468.1/18

+ sign 0.773+/-0.000 χ^2/NDF: 2919665.8/36

All: 0.777+/-0.000 χ^2/NDF: 5646365.3/74

- sign 0.782+/-0.000 χ^2/NDF: 2724826.2/37

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166828.368+/-0.049 χ^2/NDF:57777467241.4720

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

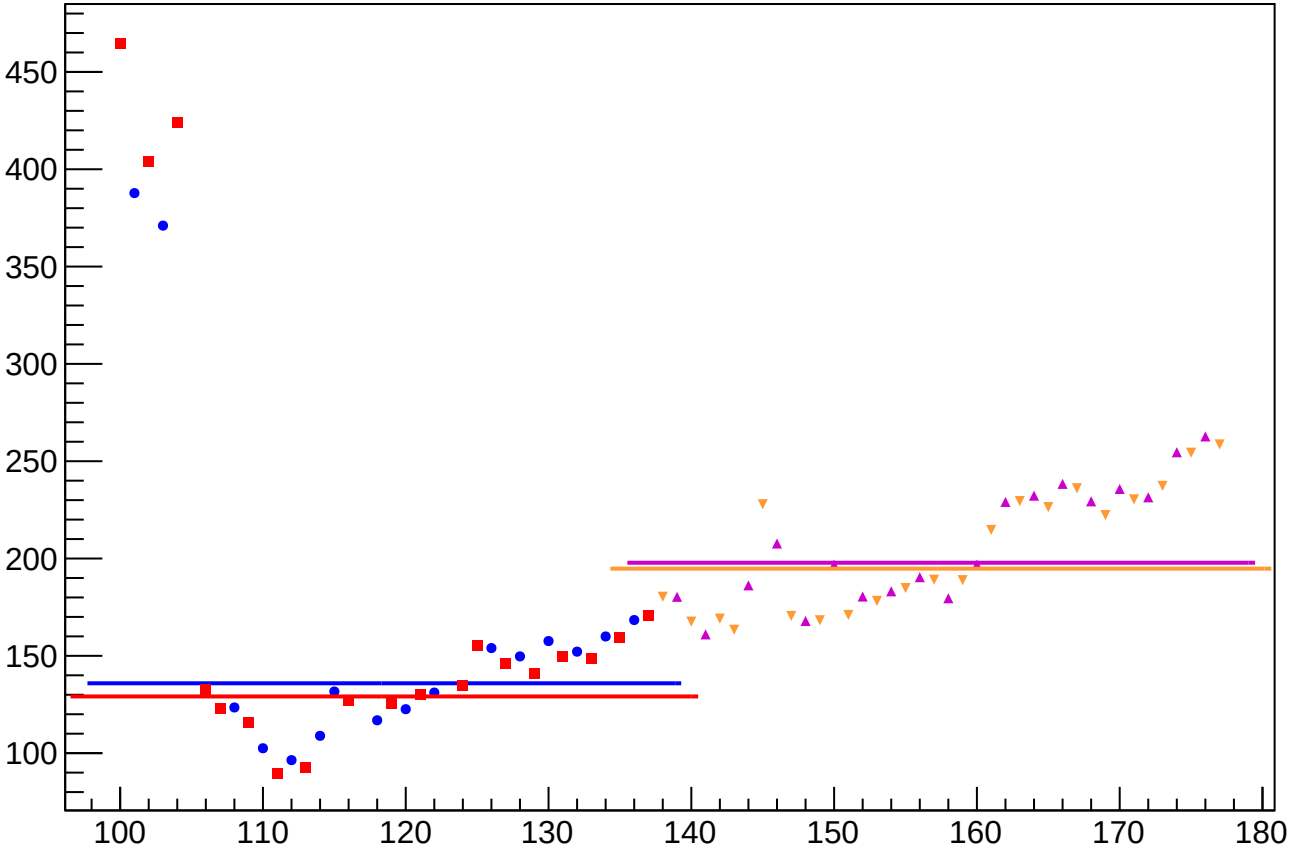
Left In: 166608.185+/-0.051 χ^2/NDF:53231173102.7/18

+ sign 159655.767+/-0.036 χ^2/NDF: 10755805946

All: 159117.759+/-0.026 χ^2/NDF: 2109669

- sign 158586.394+/-0.036 χ^2/NDF: 102971613466

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 194.797+/-0.034 χ^2/NDF:722699.5/20

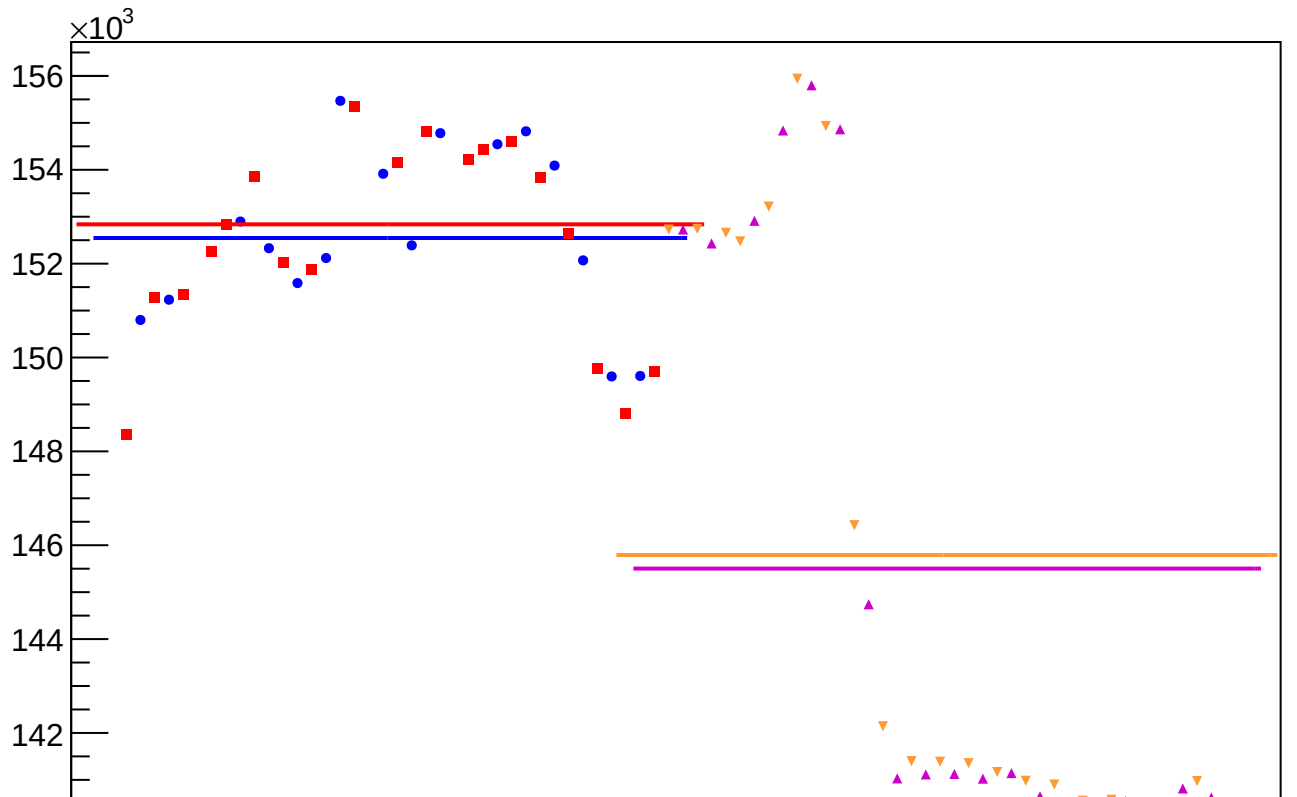
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 197.836+/-0.036 χ^2/NDF:580005.7/18

+ sign 168.814+/-0.026 χ^2/NDF: 3439300.1/36

All: 166.135+/-0.018 χ^2/NDF: 7471769.7/74

- sign 163.489+/-0.025 χ^2/NDF: 4010783.0/37



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145791.682+/-0.052 χ^2/NDF:12657988662.5/20

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

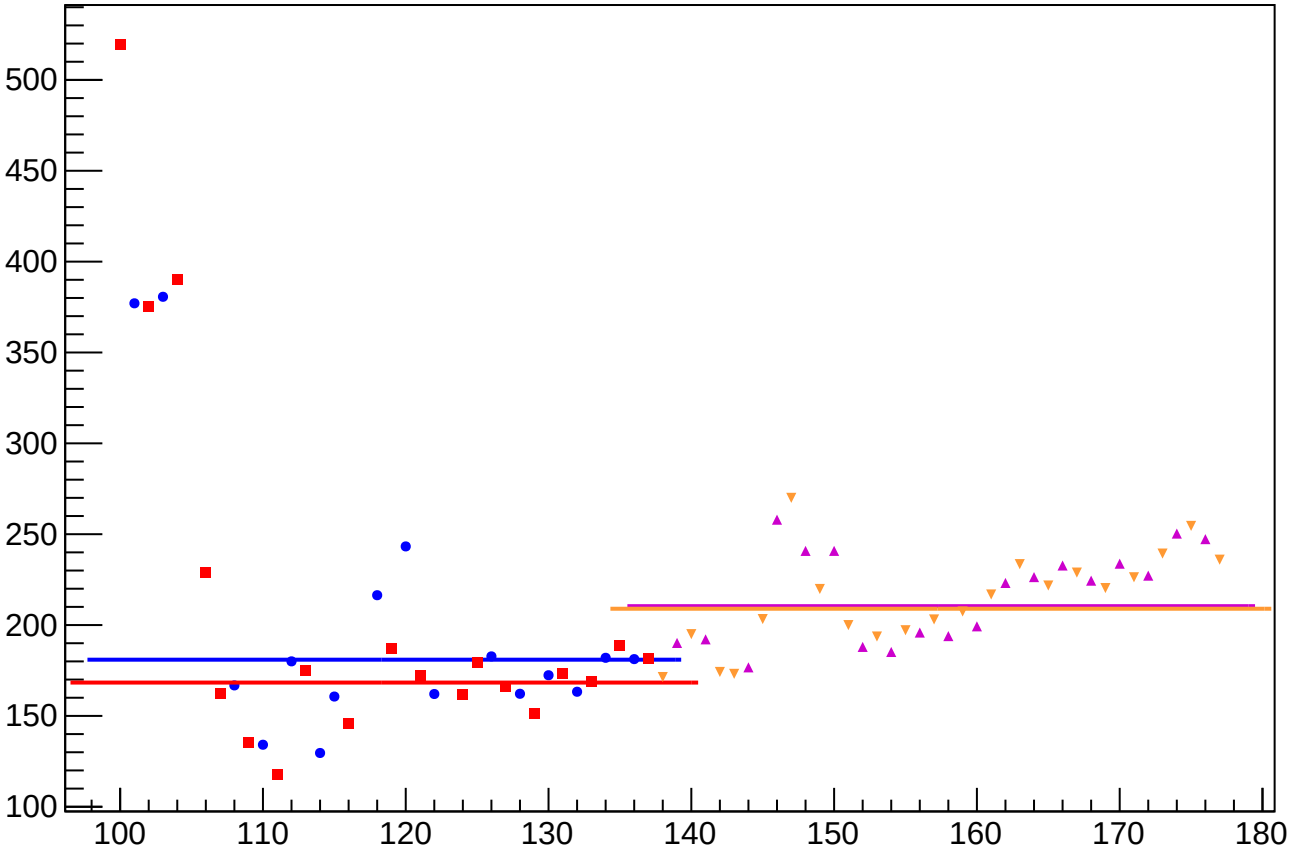
Left In: 145502.366+/-0.054 χ^2/NDF:12234223450.9/18

+ sign 148078.828+/-0.042 χ^2/NDF: 19036578927.

All: 148250.486+/-0.030 χ^2/NDF: 39332966

- sign 148420.448+/-0.042 χ^2/NDF: 20263539997.5

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 208.978+/-0.037 χ^2/NDF:442478.0/20

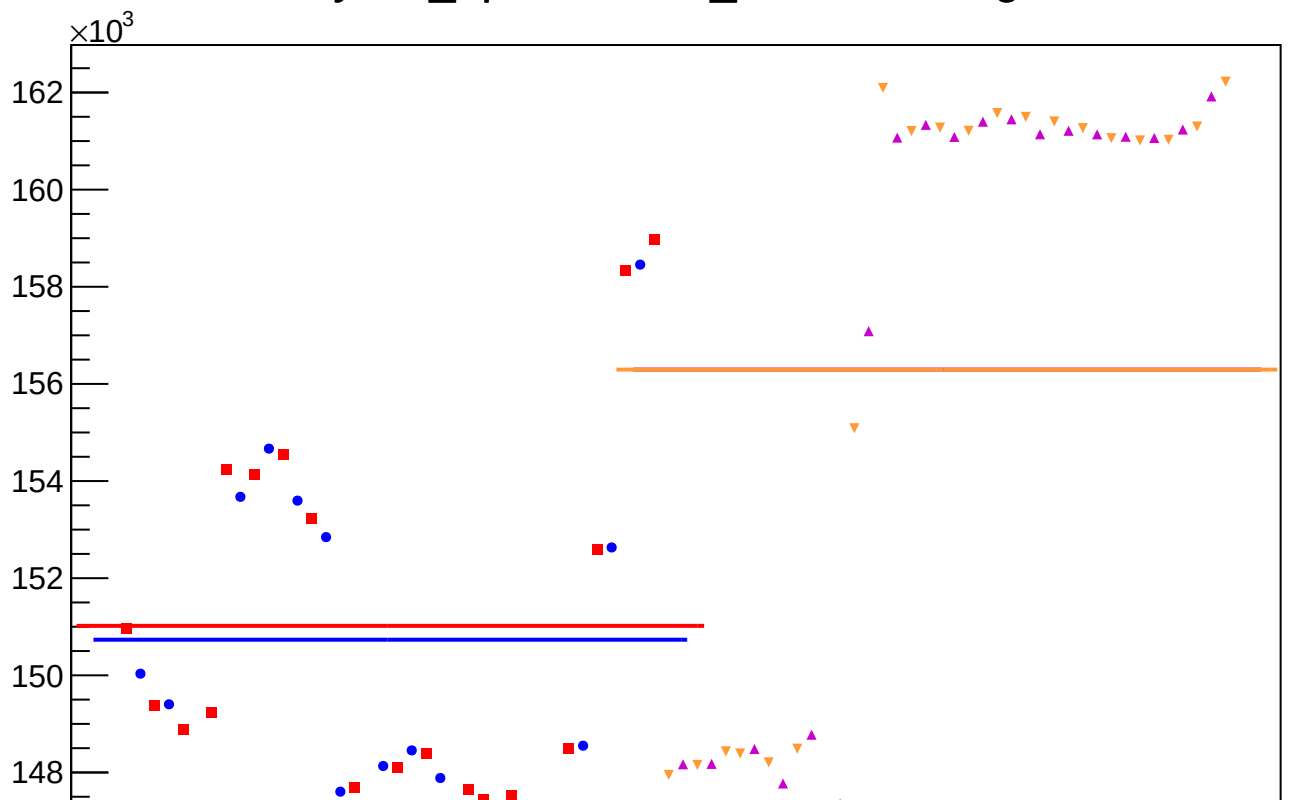
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 210.398+/-0.038 χ^2/NDF:420226.8/18

+ sign 199.484+/-0.030 χ^2/NDF: 1547471.7/36

All: 196.563+/-0.021 χ^2/NDF: 3555044.8/74

- sign 193.671+/-0.030 χ^2/NDF: 1988548.9/37



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156294.785+/-0.051 χ^2/NDF:15298944685.8/20

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

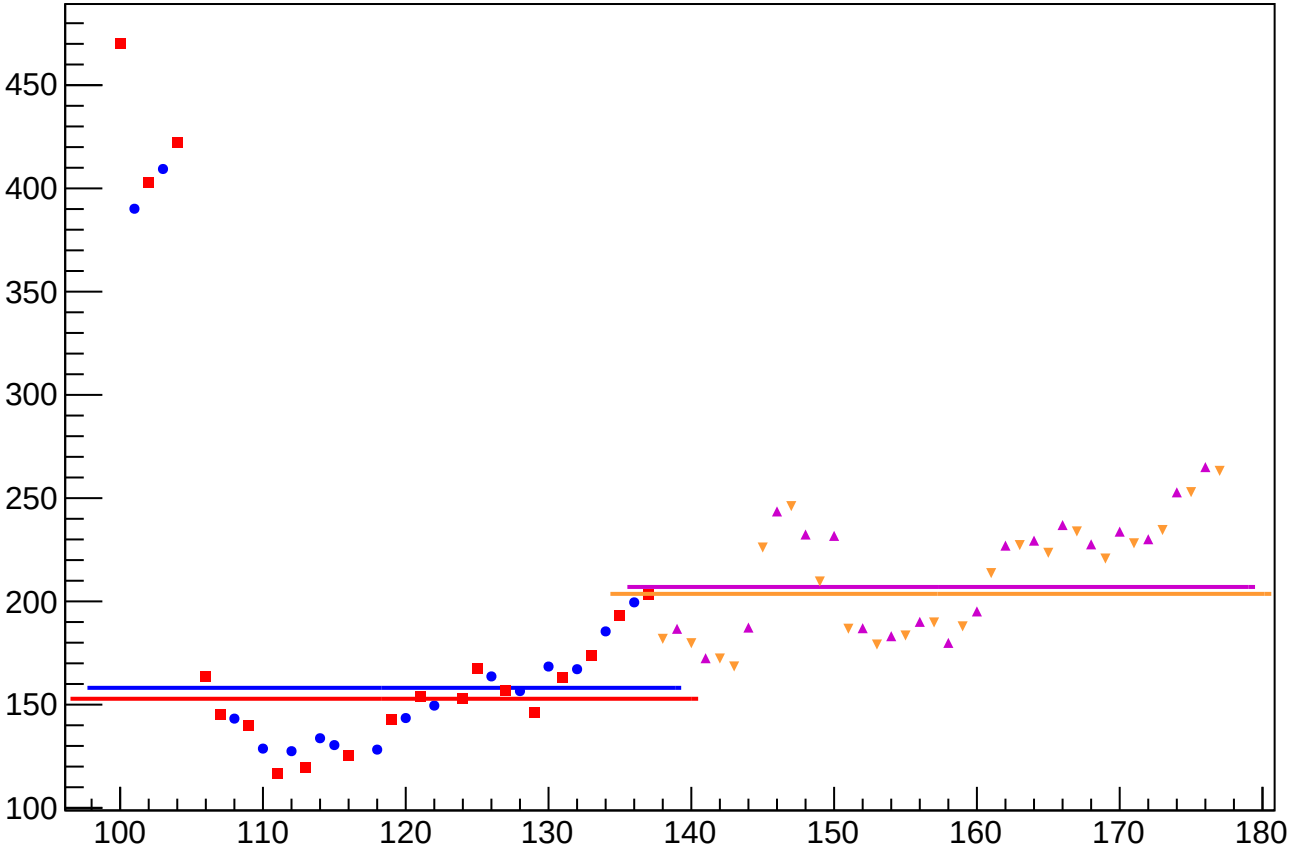
Left In: 156295.334+/-0.053 χ^2/NDF:13298524960.0/18

+ sign 154109.396+/-0.039 χ^2/NDF: 23328733000.

All: 154041.267+/-0.028 χ^2/NDF: 44240113

- sign 153971.665+/-0.040 χ^2/NDF: 20905345014.

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 203.641+/-0.036 χ^2/NDF:557975.2/20

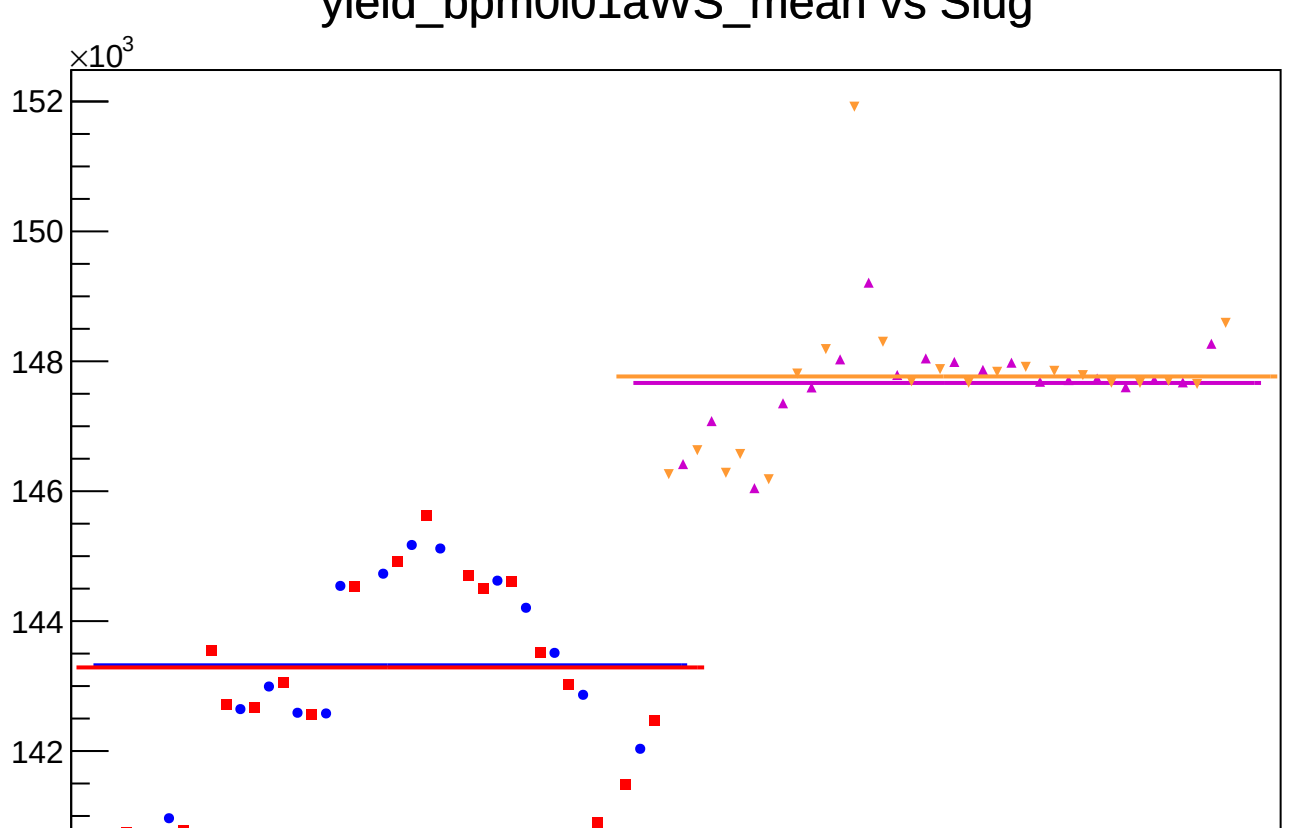
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 206.993+/-0.038 χ^2/NDF:508255.4/18

+ sign 185.760+/-0.028 χ^2/NDF: 2389087.6/36

All: 184.468+/-0.020 χ^2/NDF: 5075967.2/74

- sign 183.147+/-0.028 χ^2/NDF: 2682532.7/37



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147766.595+/-0.047 χ^2/NDF:681146419.8/20

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

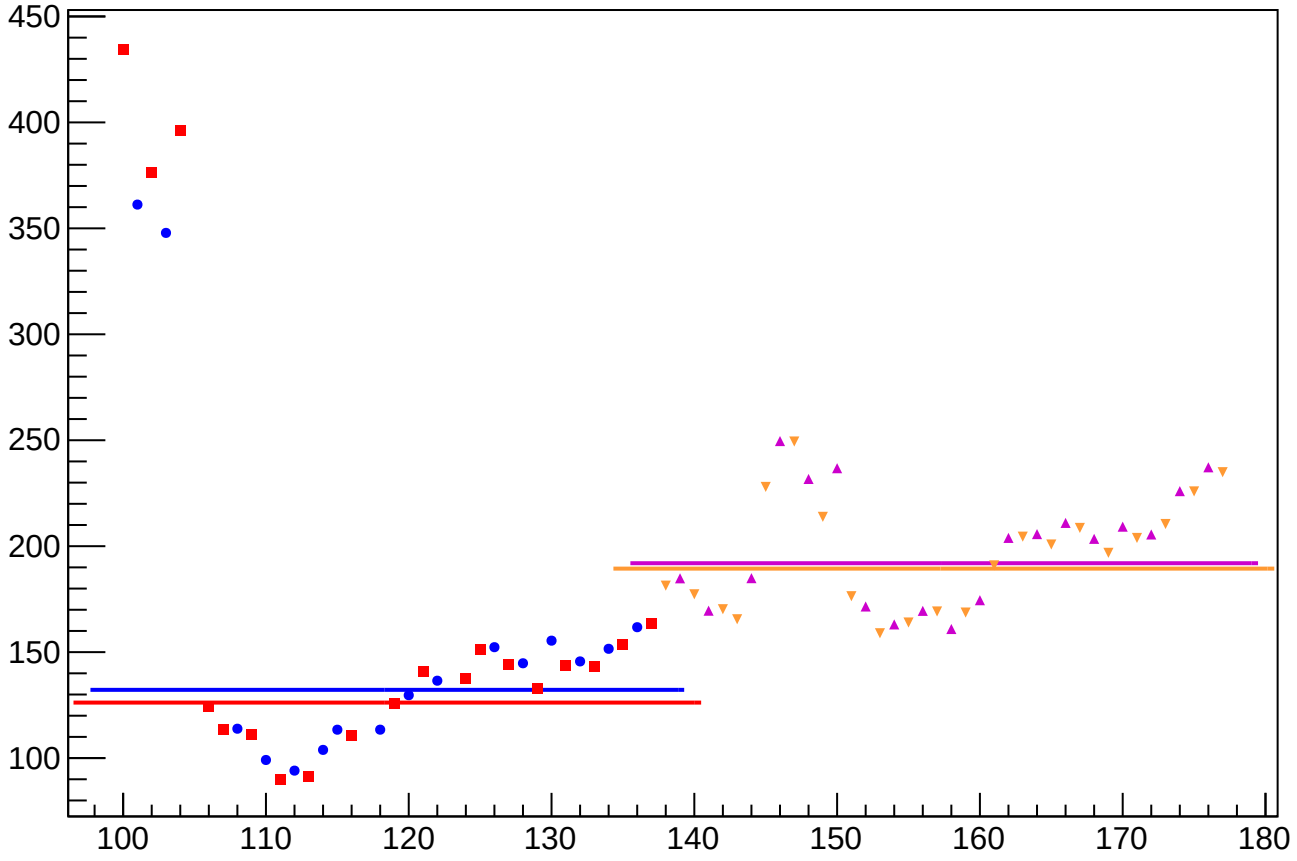
Left In: 147666.607+/-0.049 χ^2/NDF:203968524.7/18

+ sign 145810.651+/-0.035 χ^2/NDF: 5165533520.9

All: 145648.043+/-0.025 χ^2/NDF: 99321171

- sign 145486.964+/-0.035 χ^2/NDF: 4724181599.9/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 189.417+/-0.033 χ^2/NDF:529980.1/20

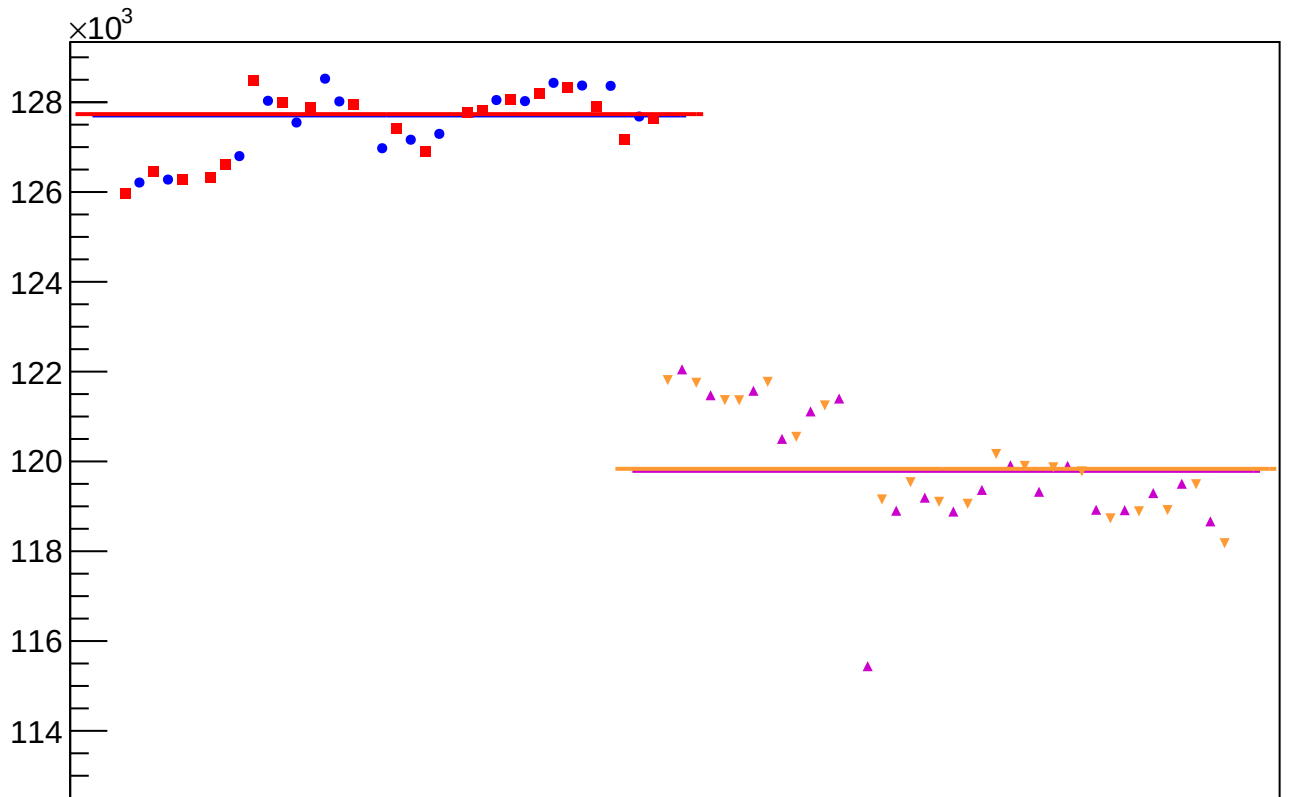
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 191.965+/-0.035 χ^2/NDF:558172.2/18

+ sign 164.252+/-0.025 χ^2/NDF: 3208543.0/36

All: 161.730+/-0.018 χ^2/NDF: 7091245.2/74

- sign 159.231+/-0.025 χ^2/NDF: 3862292.2/37



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119835.554+/-0.047 χ^2/NDF:1878555978.5/20

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

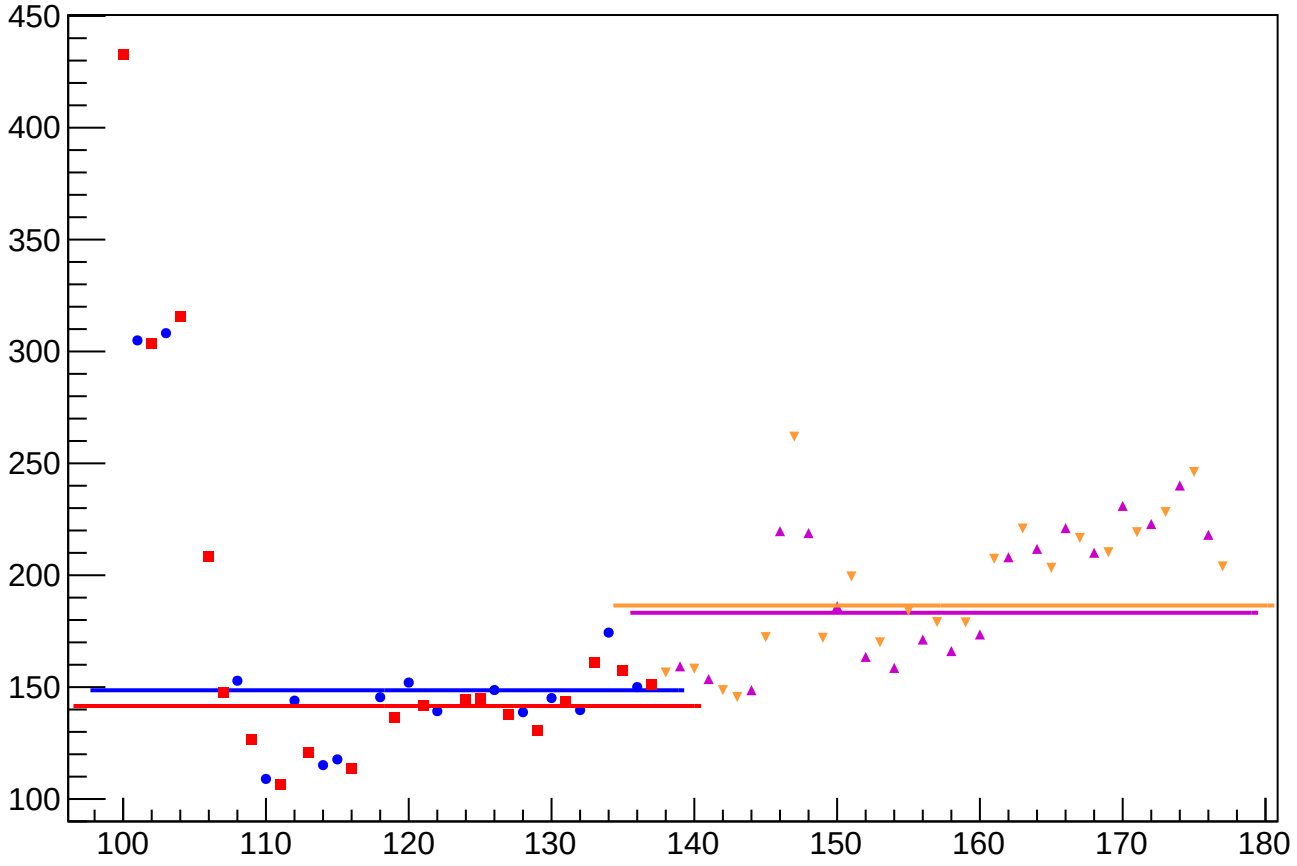
Left In: 119790.071+/-0.048 χ^2/NDF:1207226055.4/18

+ sign 122911.905+/-0.037 χ^2/NDF: 13037191598.

All: 123056.890+/-0.026 χ^2/NDF: 26338233

- sign 123197.459+/-0.036 χ^2/NDF: 13270005939.5

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 186.479+/-0.033 χ^2/NDF:781871.2/20

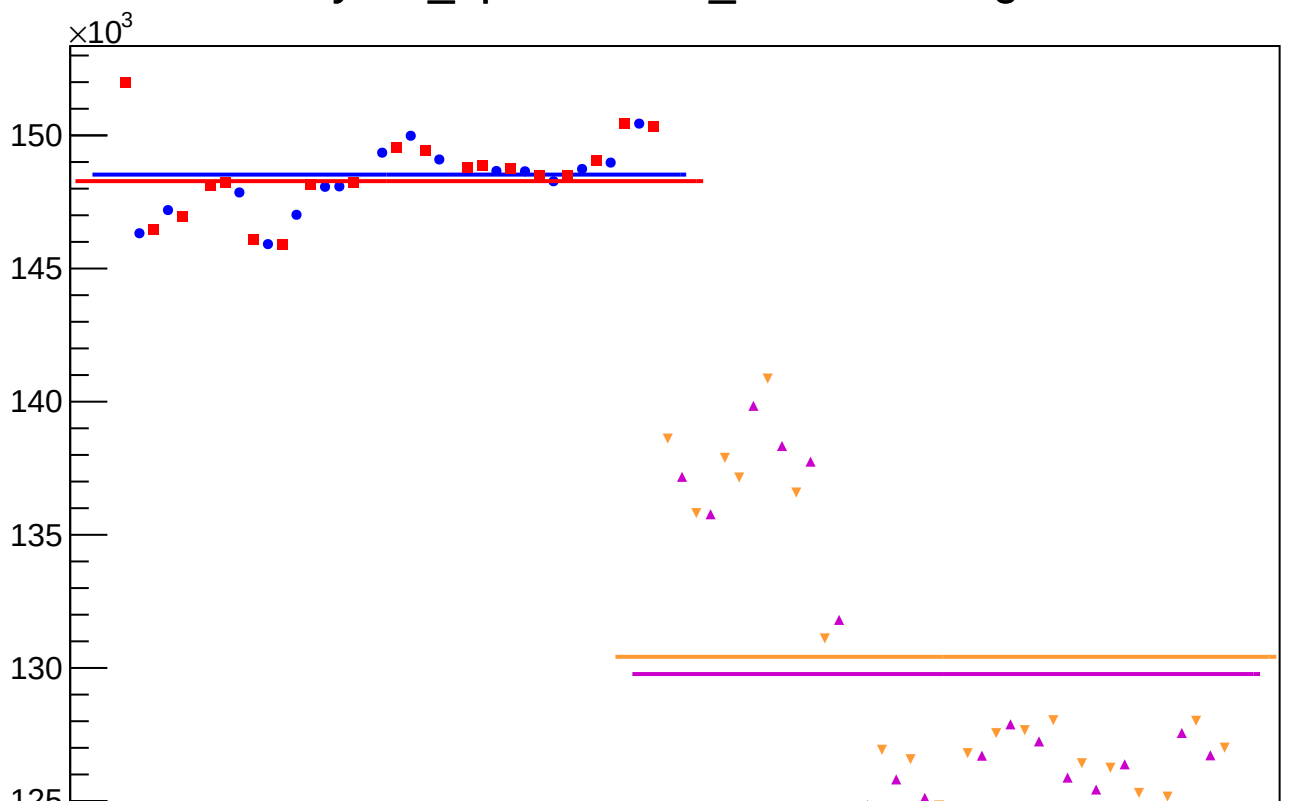
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 183.232+/-0.034 χ^2/NDF:737370.8/18

+ sign 171.669+/-0.026 χ^2/NDF: 2121955.7/36

All: 168.466+/-0.018 χ^2/NDF: 4548527.0/74

- sign 165.360+/-0.025 χ^2/NDF: 2396275.7/37



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130418.272+/-0.068 χ^2/NDF:6094813821.9/20

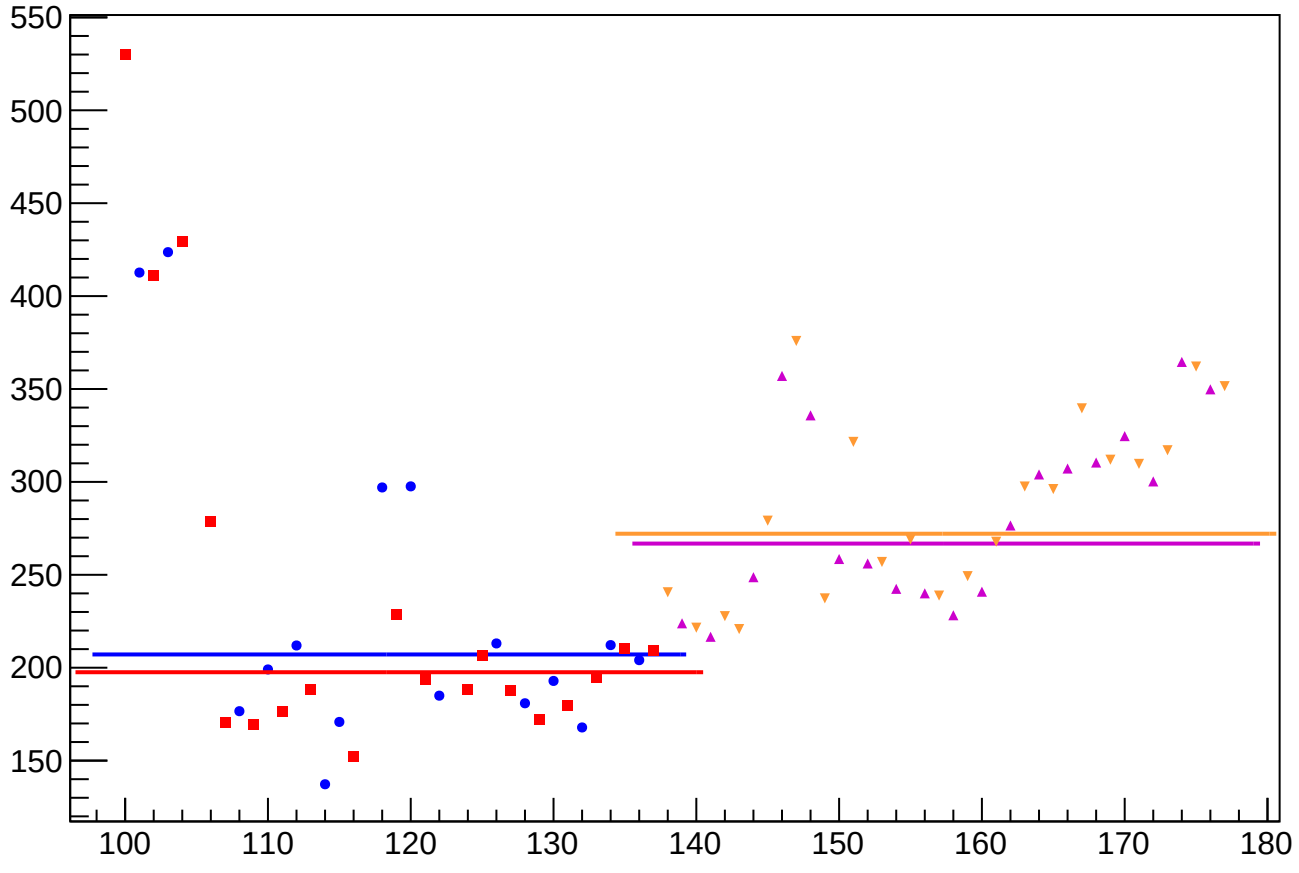
Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 129771.329+/-0.069 χ^2/NDF:6260619017.9/18

+ sign 137811.455+/-0.052 χ^2/NDF: 35207624297.

All: 137945.000+/-0.037 χ^2/NDF: 739773515

- sign 138073.227+/-0.051 χ^2/NDF: 38756973732.7



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 272.111+/-0.048 χ^2/NDF:831349.7/20

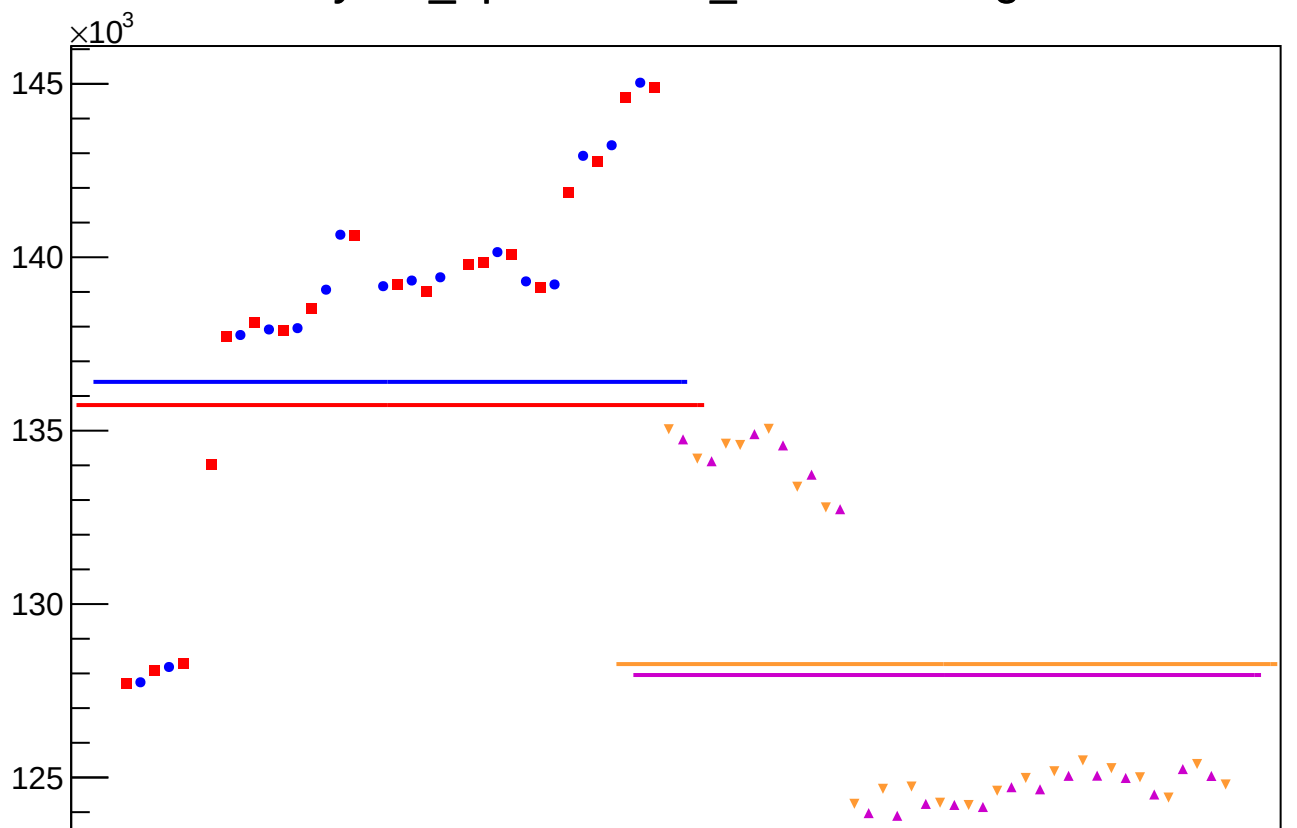
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 266.805+/-0.049 χ^2/NDF:795363.9/18

+ sign 245.584+/-0.037 χ^2/NDF: 2547746.8/36

All: 240.570+/-0.026 χ^2/NDF: 5184044.4/74

- sign 235.754+/-0.036 χ^2/NDF: 2600328.9/37



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128269.742+/-0.146 χ^2/NDF:1000238473.3/20

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

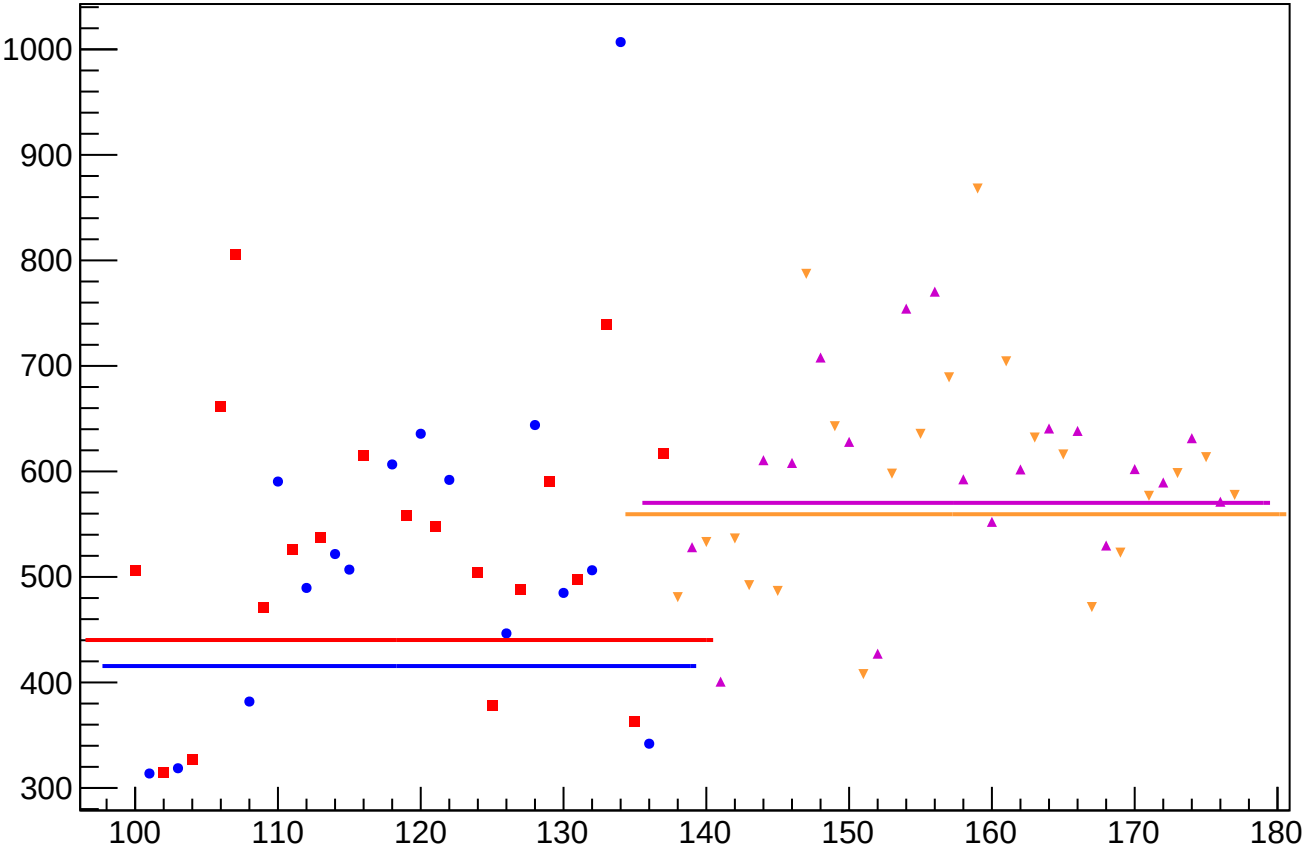
Left In: 127954.454+/-0.156 χ^2/NDF:877314400.0/18

+ sign 131768.239+/-0.111 χ^2/NDF: 3905552772.8/

All: 131583.678+/-0.080 χ^2/NDF: 705072003

- sign 131376.403+/-0.117 χ^2/NDF: 3139248308.5/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 559.434+/-0.104 χ^2/NDF:879065.4/20

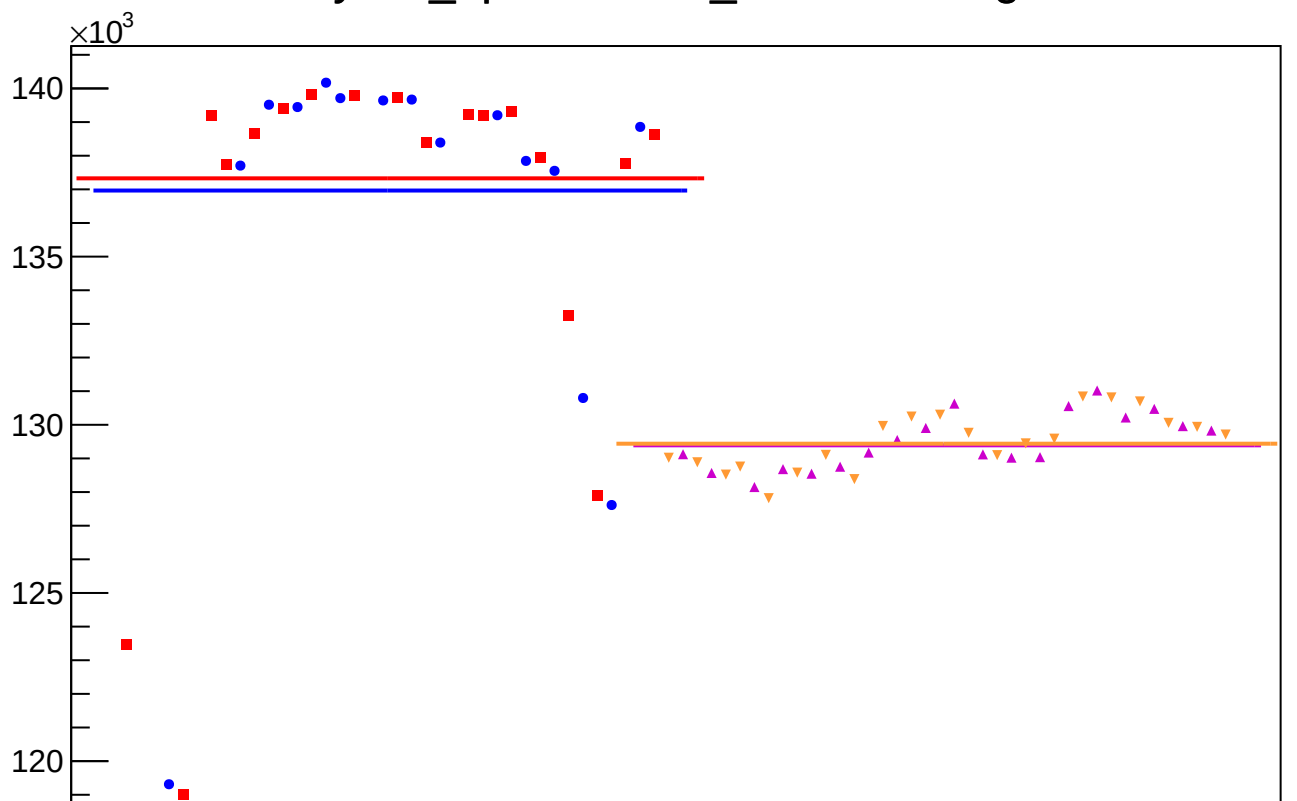
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 570.208+/-0.111 χ^2/NDF:744739.9/18

\+ sign 497.571+/-0.078 χ^2/NDF: 2741279.3/36

All: 504.868+/-0.057 χ^2/NDF: 5022055.7/74

\- sign 513.062+/-0.083 χ^2/NDF: 2262274.1/37



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129437.916+/-0.049 χ^2/NDF:277914570.9/20

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

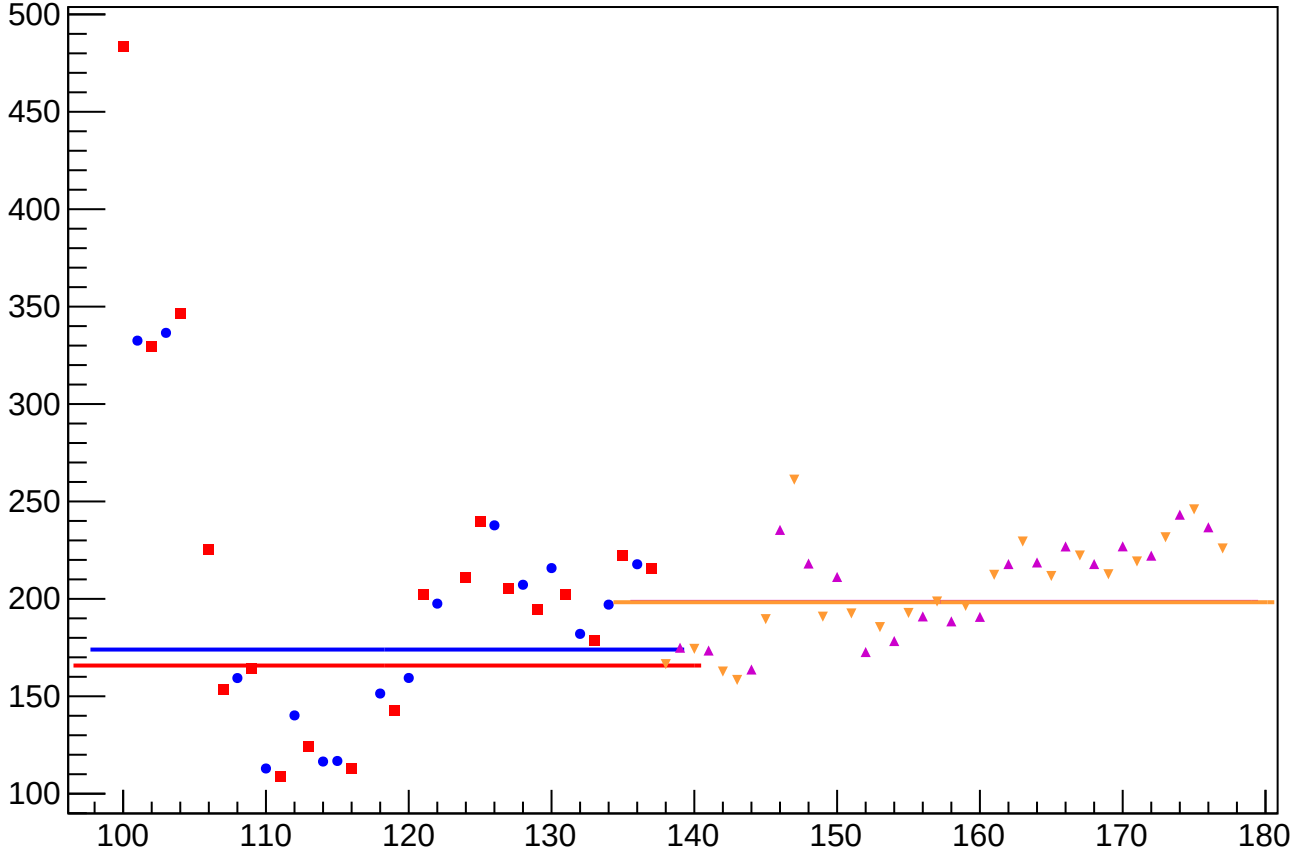
Left In: 129389.576+/-0.051 χ^2/NDF:251221059.8/18

+ sign 131954.526+/-0.040 χ^2/NDF: 13842679052.

All: 132172.770+/-0.029 χ^2/NDF: 28987329

- sign 132391.454+/-0.040 χ^2/NDF: 15085988788.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 198.280+/-0.035 χ^2/NDF:540295.4/20

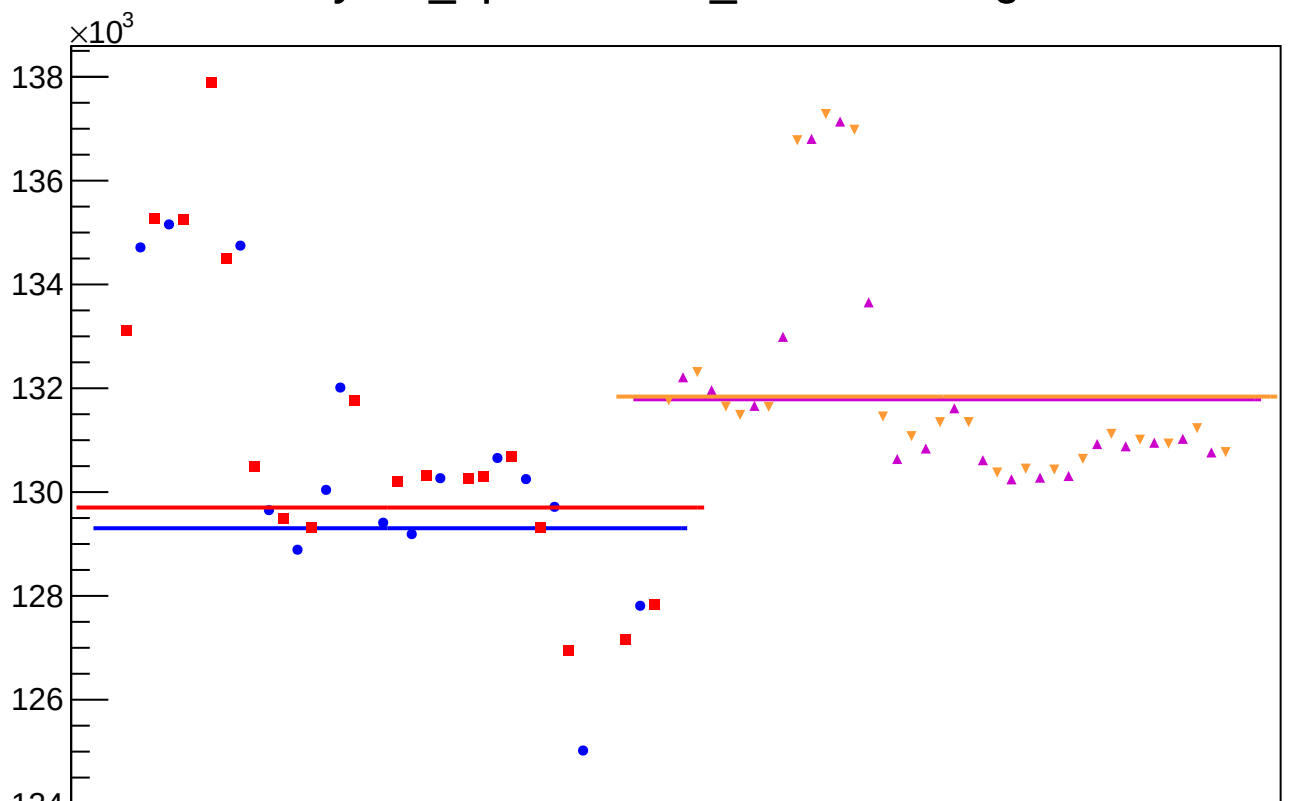
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 198.451+/-0.036 χ^2/NDF:467154.1/18

+ sign 190.156+/-0.029 χ^2/NDF: 1890463.6/36

All: 188.128+/-0.020 χ^2/NDF: 4109116.6/74

- sign 186.096+/-0.029 χ^2/NDF: 2208521.2/37



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131839.873+/-0.049 χ^2/NDF:1369551888.9/20

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

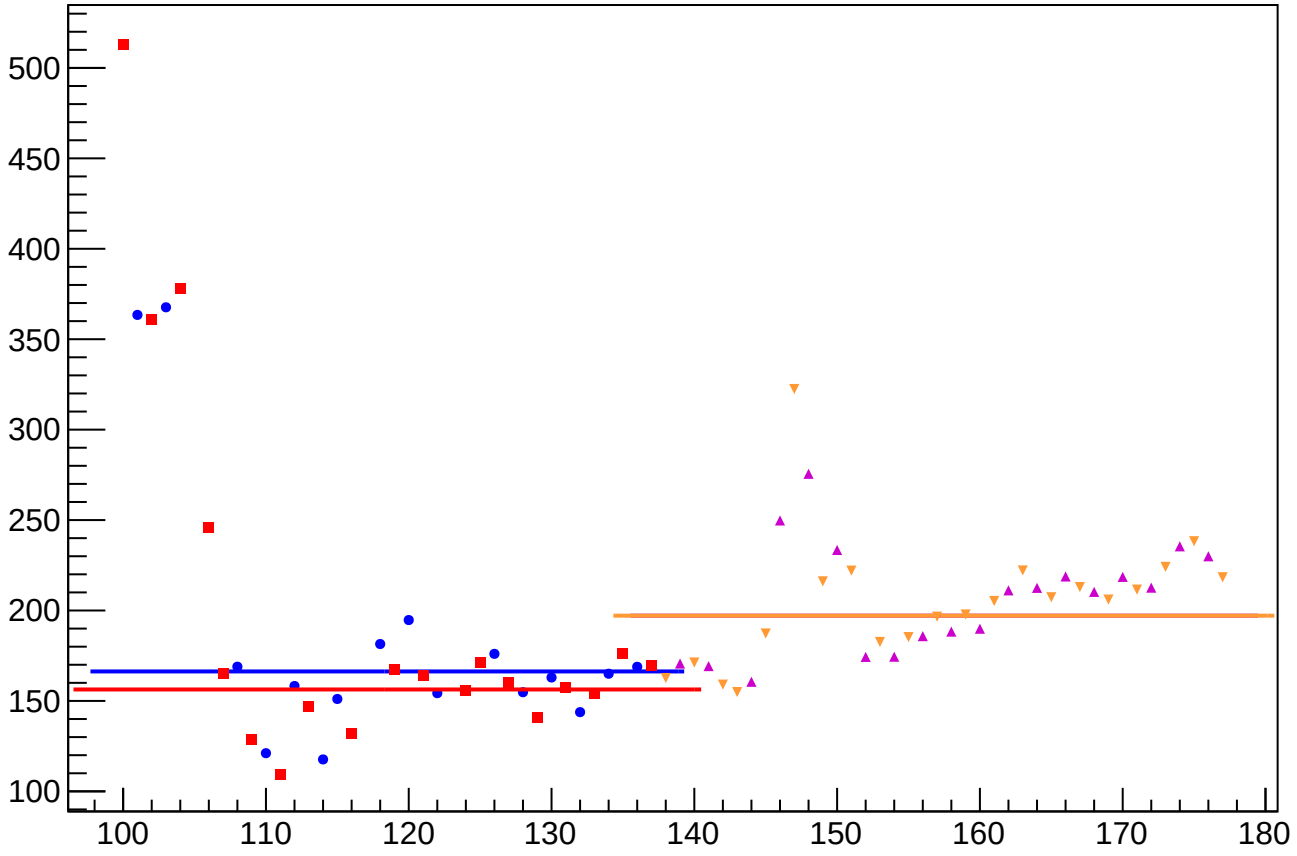
Left In: 131787.528+/-0.051 χ^2/NDF:1104003703.8/18

+ sign 130934.485+/-0.040 χ^2/NDF: 3963330344.9

All: 130936.472+/-0.028 χ^2/NDF: 75253871

- sign 130938.430+/-0.039 χ^2/NDF: 3562051802.2/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 197.138+/-0.035 χ^2/NDF:703949.1/20

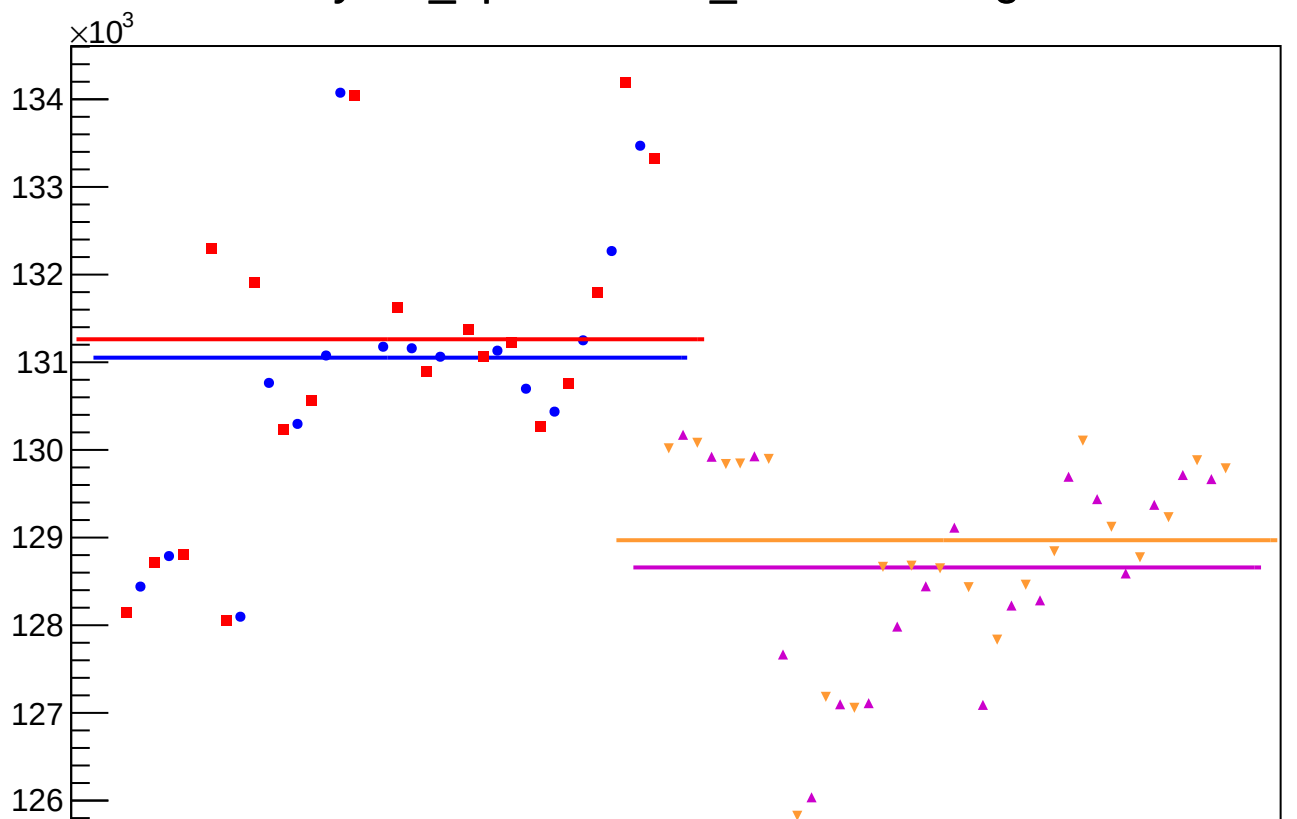
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 197.145+/-0.036 χ^2/NDF:625937.3/18

+ sign 186.129+/-0.028 χ^2/NDF: 1920890.3/36

All: 183.307+/-0.020 χ^2/NDF: 4261186.4/74

- sign 180.524+/-0.028 χ^2/NDF: 2320078.6/37



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128969.843+/-0.048 χ^2/NDF:490247399.2/20

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

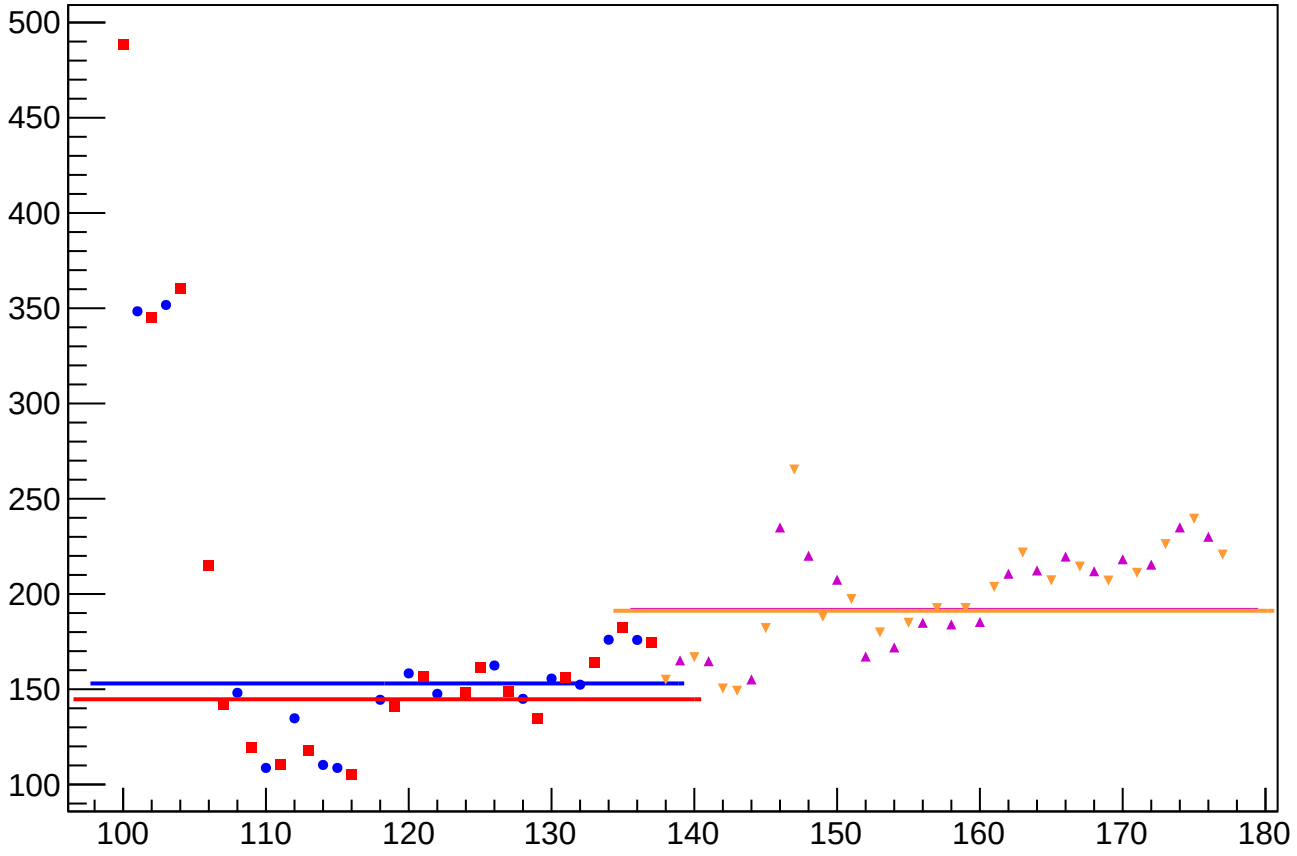
Left In: 128659.303+/-0.049 χ^2/NDF:579124501.4/18

+ sign 129766.767+/-0.038 χ^2/NDF: 1742078979.4

All: 129776.120+/-0.026 χ^2/NDF: 41228712

- sign 129785.352+/-0.037 χ^2/NDF: 2380668739.9/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 191.199+/-0.034 χ^2/NDF:669326.0/20

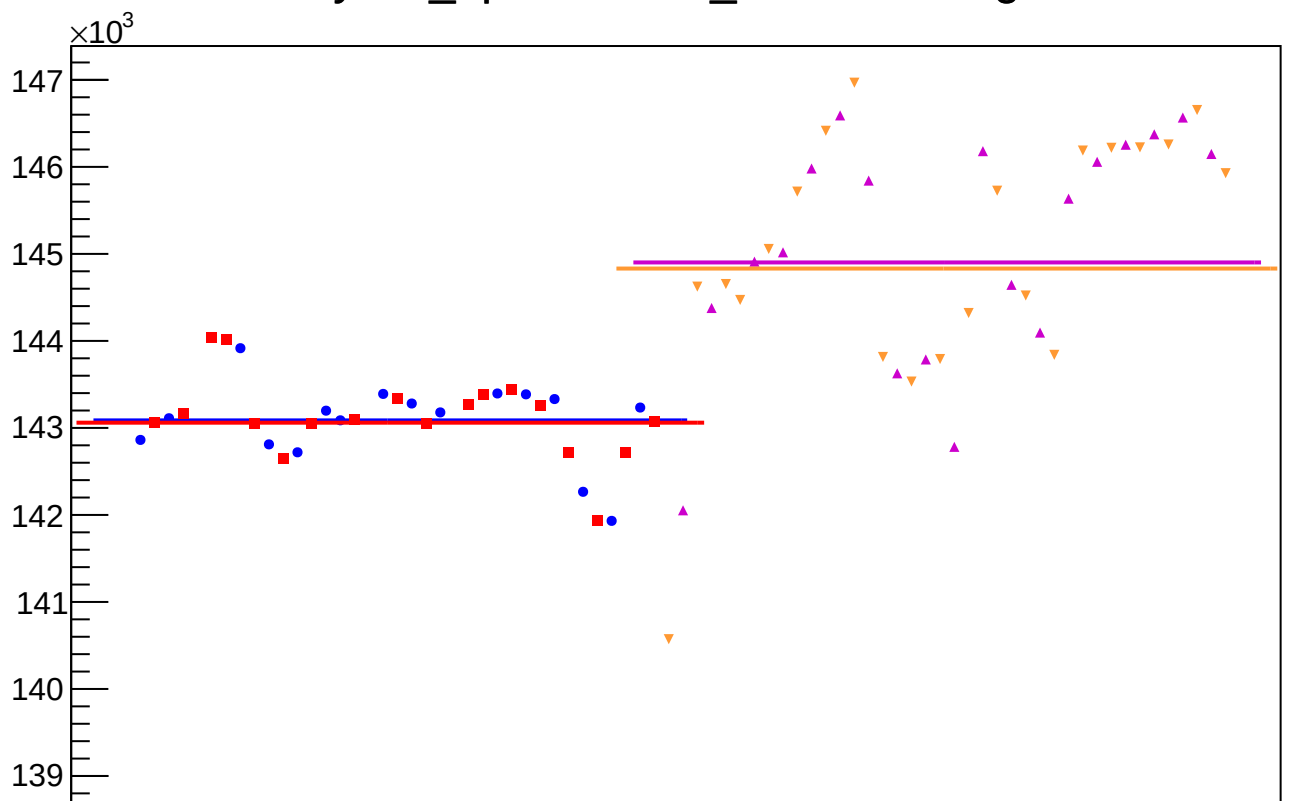
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 191.647+/-0.035 χ^2/NDF:545848.7/18

+ sign 176.598+/-0.027 χ^2/NDF: 2217641.4/36

All: 173.957+/-0.019 χ^2/NDF: 4824544.6/74

- sign 171.351+/-0.026 χ^2/NDF: 2587206.3/37



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144831.631+/-0.055 χ^2/NDF:808437998.8/20

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

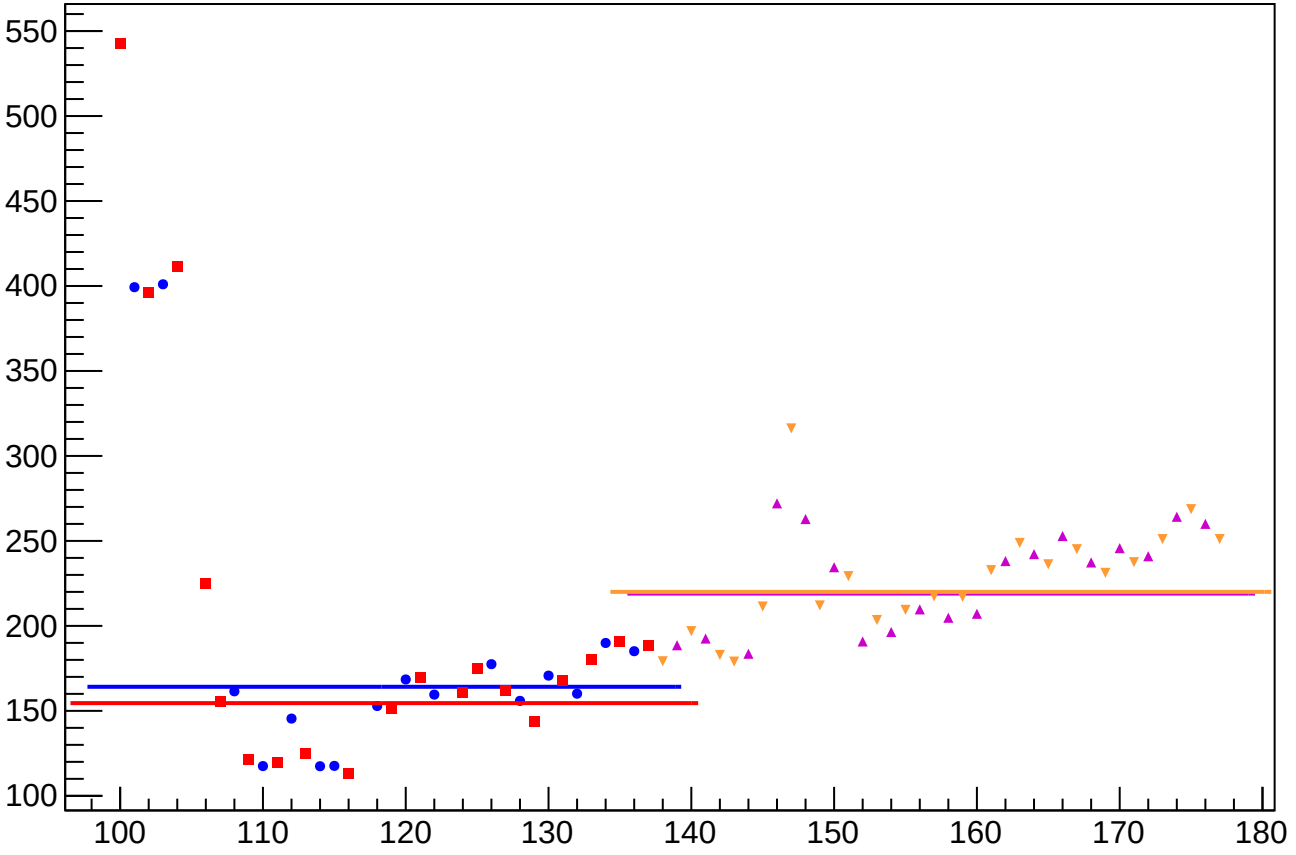
Left In: 144901.783+/-0.057 χ^2/NDF:595671203.8/18

+ sign 144105.938+/-0.042 χ^2/NDF: 1275179696.6

All: 144075.351+/-0.029 χ^2/NDF: 24168340

- sign 144045.650+/-0.041 χ^2/NDF: 1140607457.4/

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 220.021+/-0.039 χ^2/NDF:556540.3/20

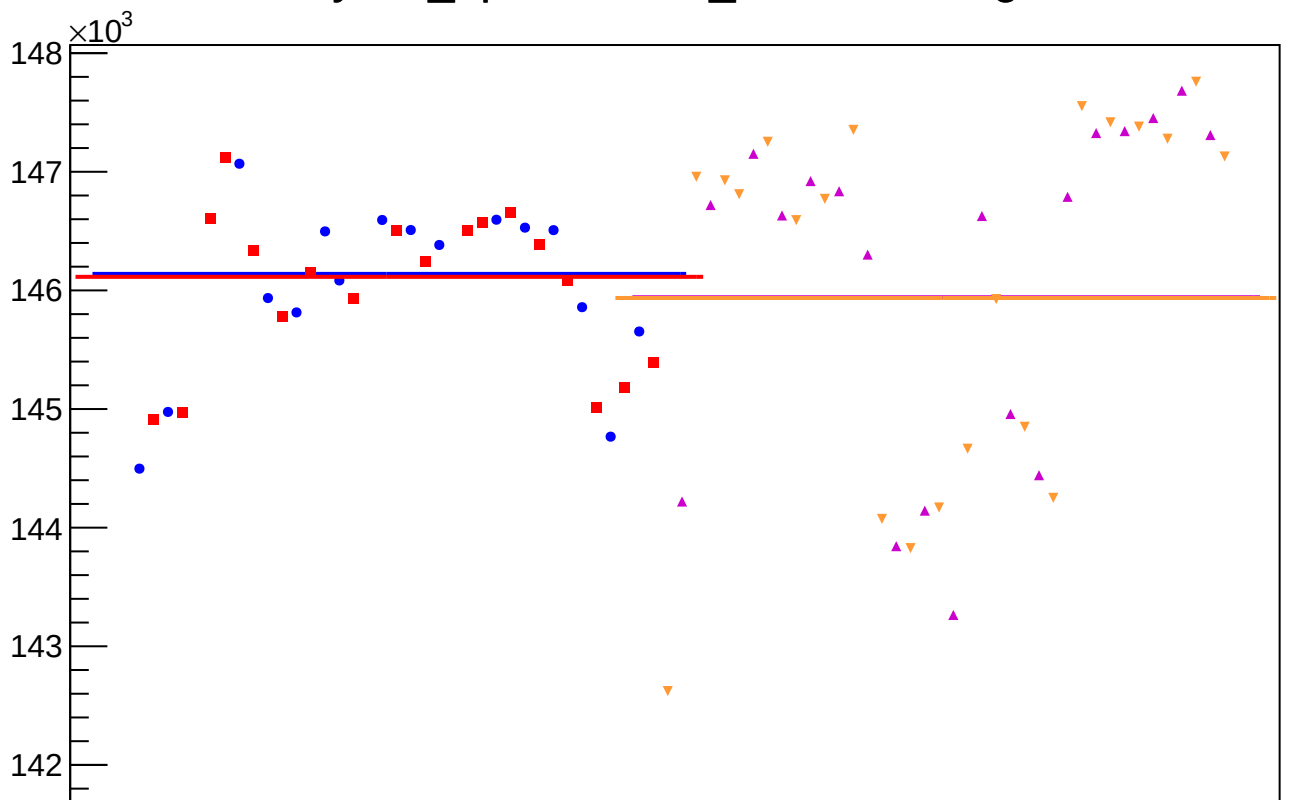
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 218.999+/-0.040 χ^2/NDF:502853.2/18

+ sign 196.795+/-0.030 χ^2/NDF: 2546780.5/36

All: 192.860+/-0.021 χ^2/NDF: 5659059.2/74

- sign 189.040+/-0.029 χ^2/NDF: 3077636.4/37



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145936.089+/-0.055 χ^2/NDF:841937569.2/20

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

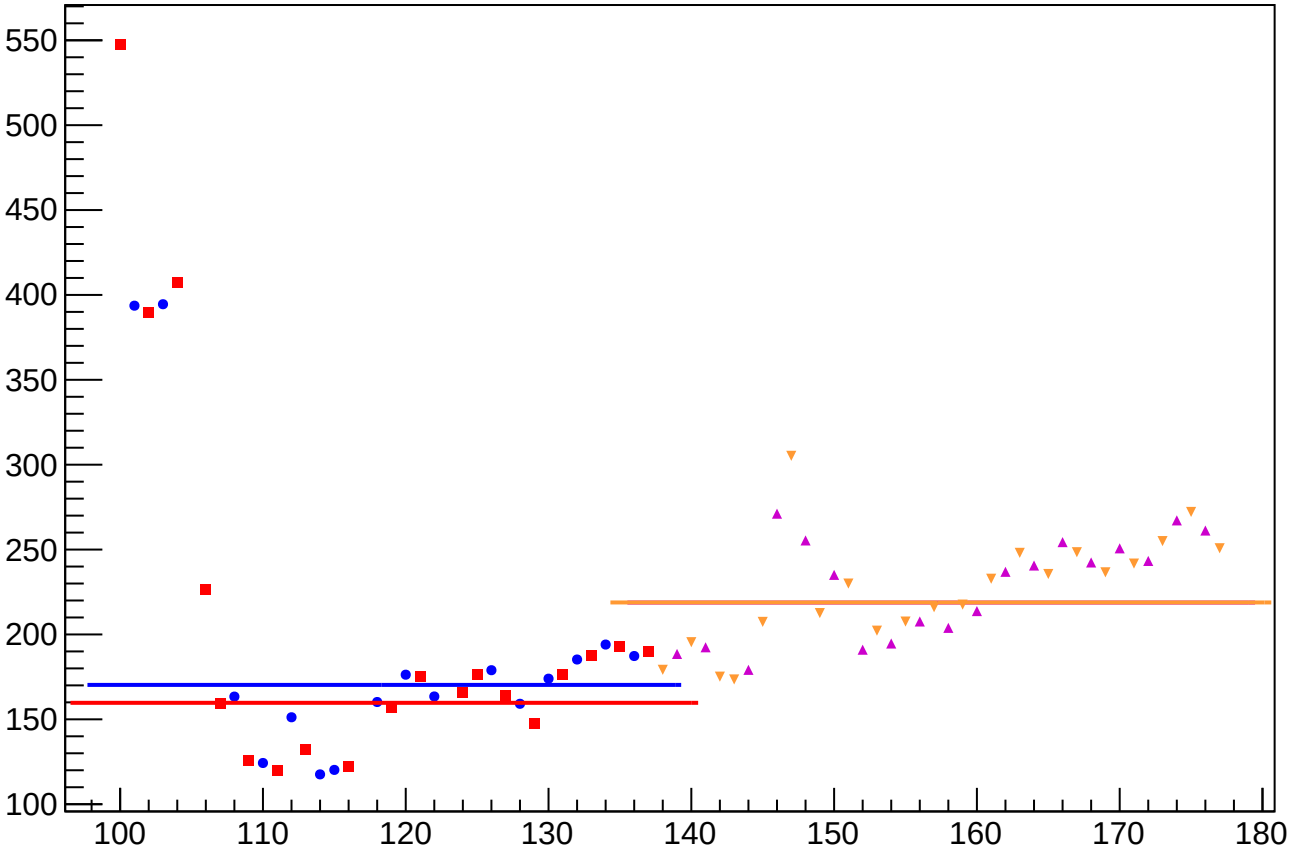
Left In: 145942.483+/-0.057 χ^2/NDF:656085020.5/18

+ sign 146016.664+/-0.042 χ^2/NDF: 919142172.5/3

All: 146018.297+/-0.030 χ^2/NDF: 16524983

- sign 146019.890+/-0.042 χ^2/NDF: 733353232.9/3

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 218.847+/-0.039 χ^2/NDF:616774.5/20

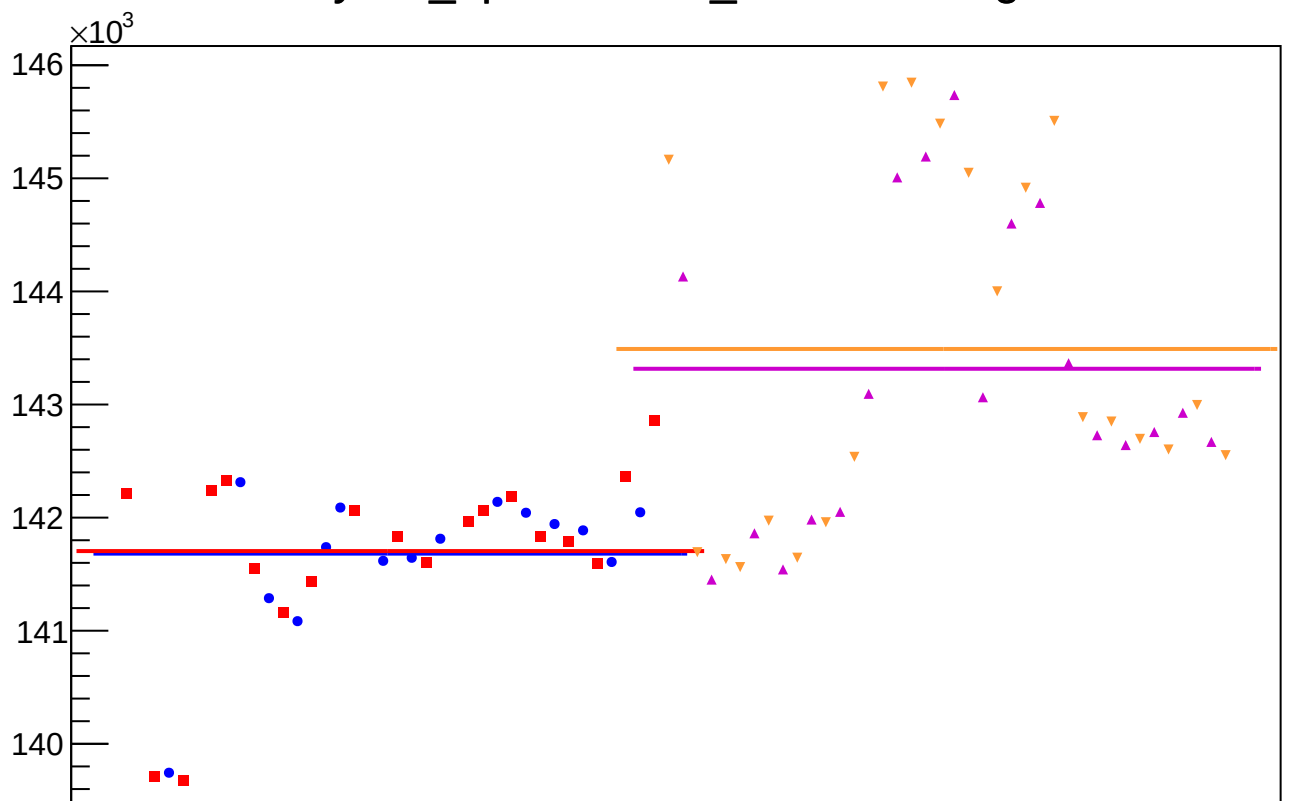
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 218.785+/-0.040 χ^2/NDF:534589.8/18

+ sign 199.583+/-0.030 χ^2/NDF: 2301177.2/36

All: 195.847+/-0.021 χ^2/NDF: 5140413.8/74

- sign 192.201+/-0.030 χ^2/NDF: 2808607.8/37



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143491.279+/-0.057 χ^2/NDF:751084433.8/20

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

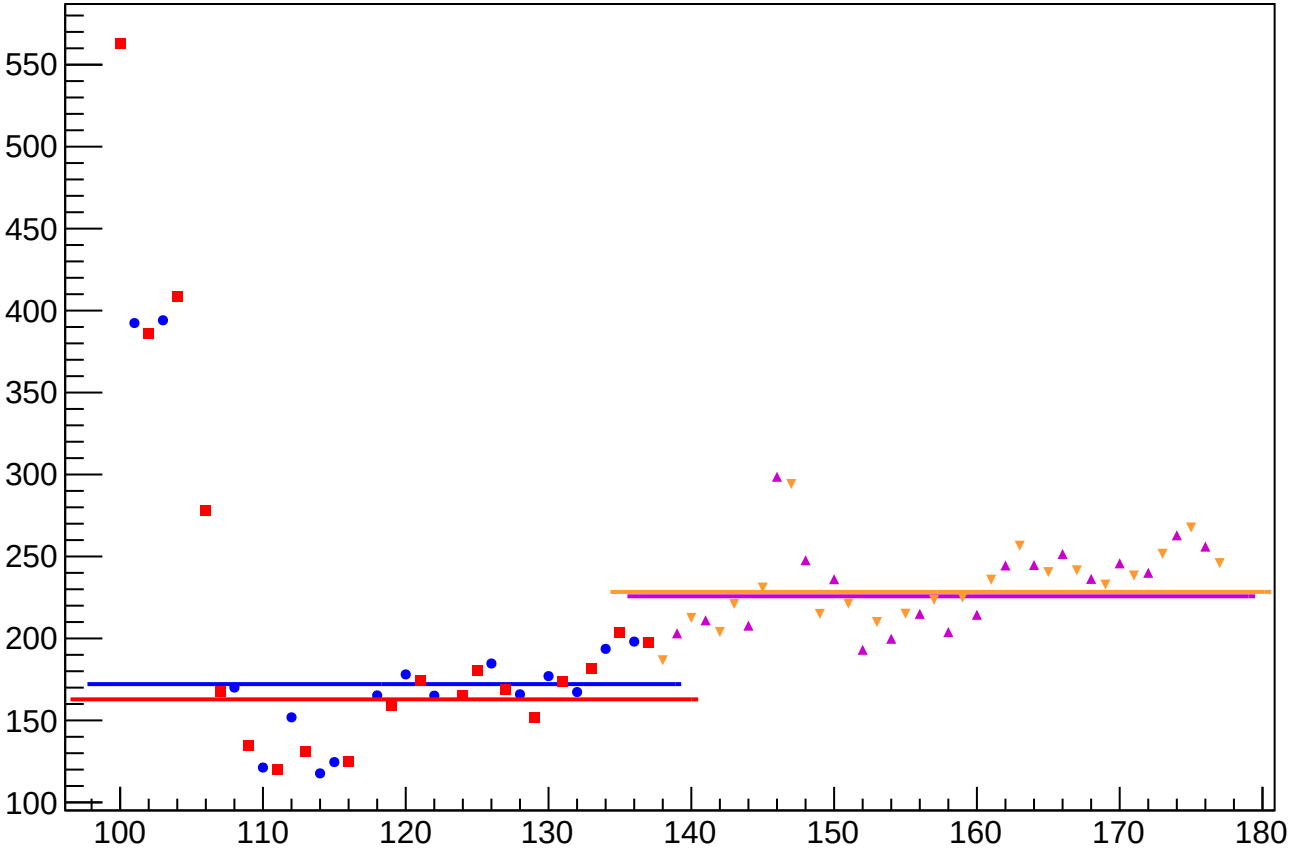
Left In: 143316.112+/-0.058 χ^2/NDF:514230288.7/18

+ sign 142752.611+/-0.044 χ^2/NDF: 1231076438.6

All: 142667.183+/-0.031 χ^2/NDF: 21669647

- sign 142584.219+/-0.043 χ^2/NDF: 928327688.0/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 228.381+/-0.040 χ^2/NDF:299805.1/20

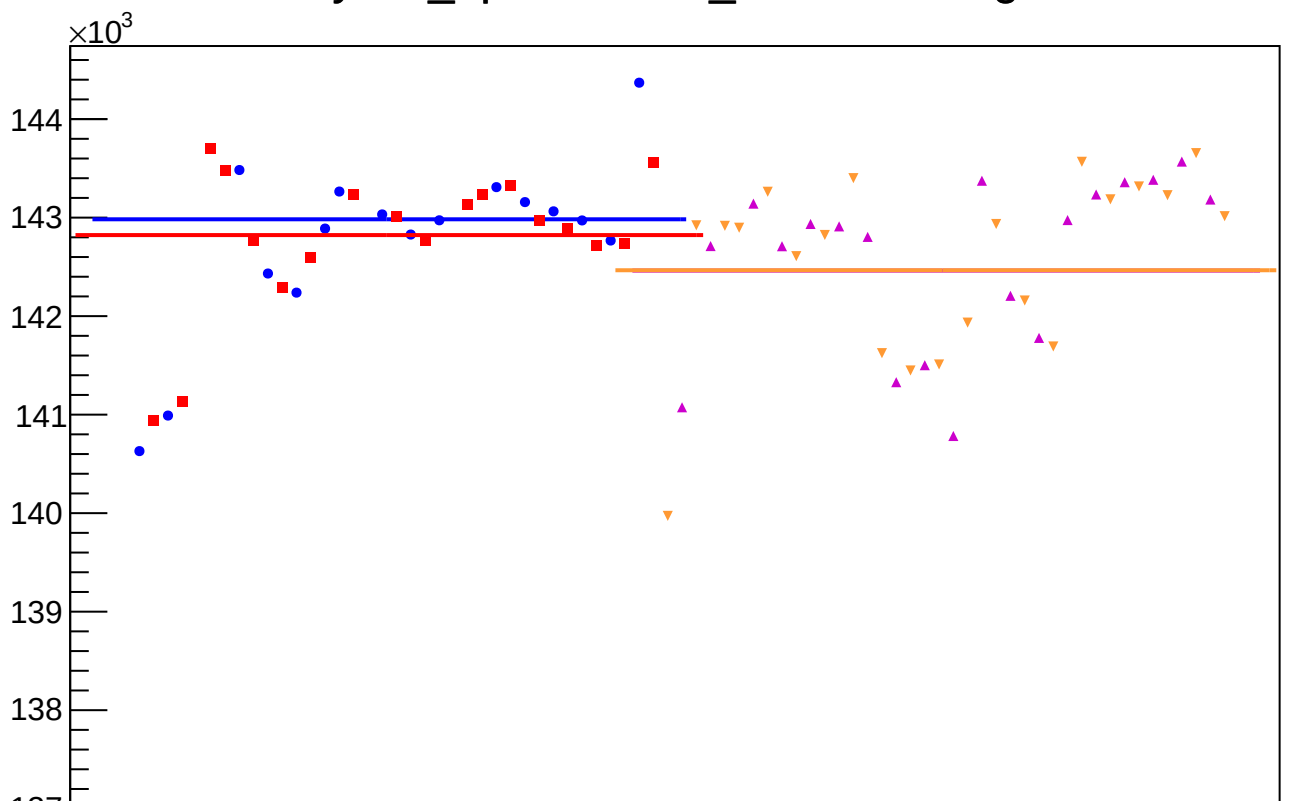
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 225.707+/-0.041 χ^2/NDF:367276.0/18

+ sign 205.421+/-0.031 χ^2/NDF: 2171627.7/36

All: 201.232+/-0.022 χ^2/NDF: 4941366.8/74

- sign 197.164+/-0.030 χ^2/NDF: 2733385.6/37



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142465.759+/-0.054 χ^2/NDF:330133168.5/20

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

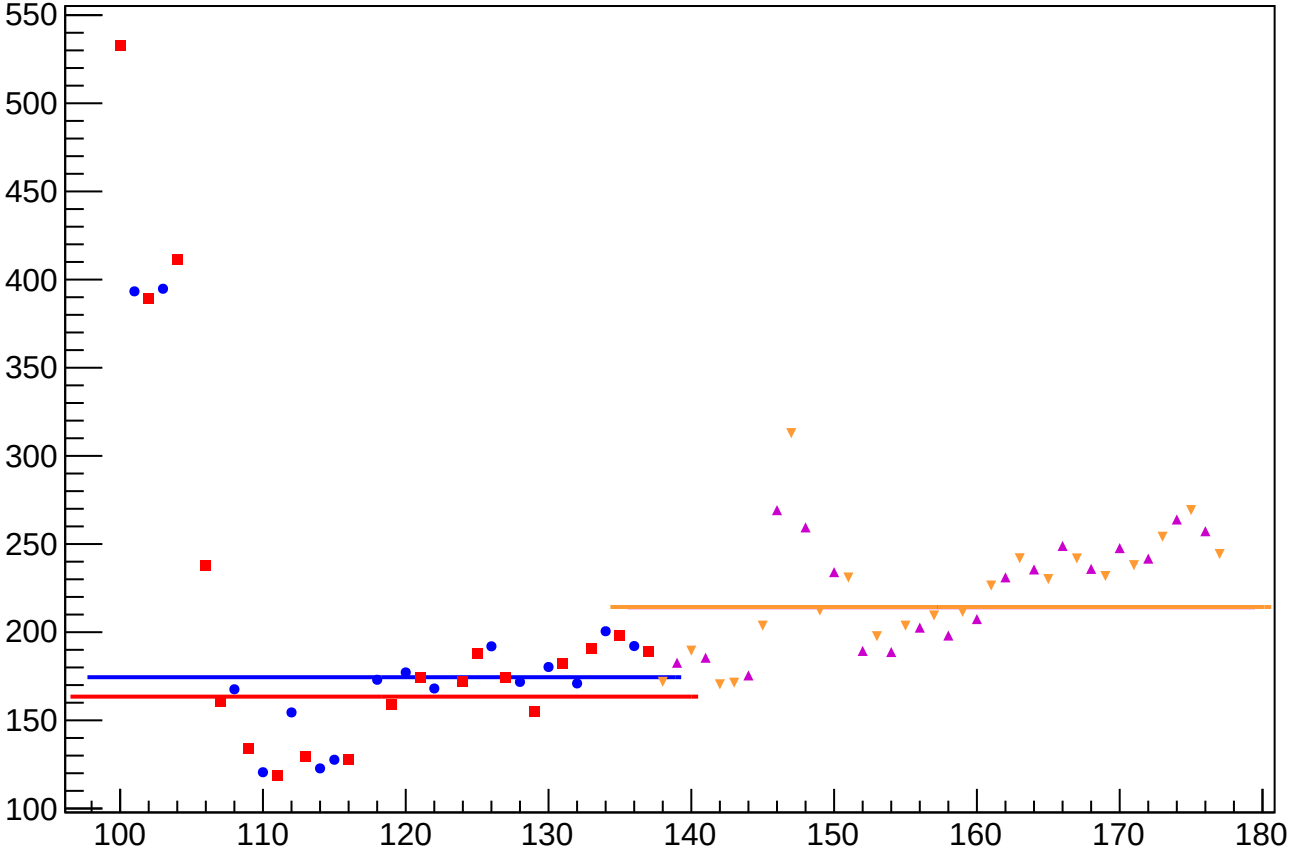
Left In: 142462.131+/-0.055 χ^2/NDF:259658442.0/18

+ sign 142659.625+/-0.042 χ^2/NDF: 472850037.4/3

All: 142637.743+/-0.030 χ^2/NDF: 81477263

- sign 142616.314+/-0.042 χ^2/NDF: 341393194.7/3

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 214.290+/-0.038 χ^2/NDF:678089.5/20

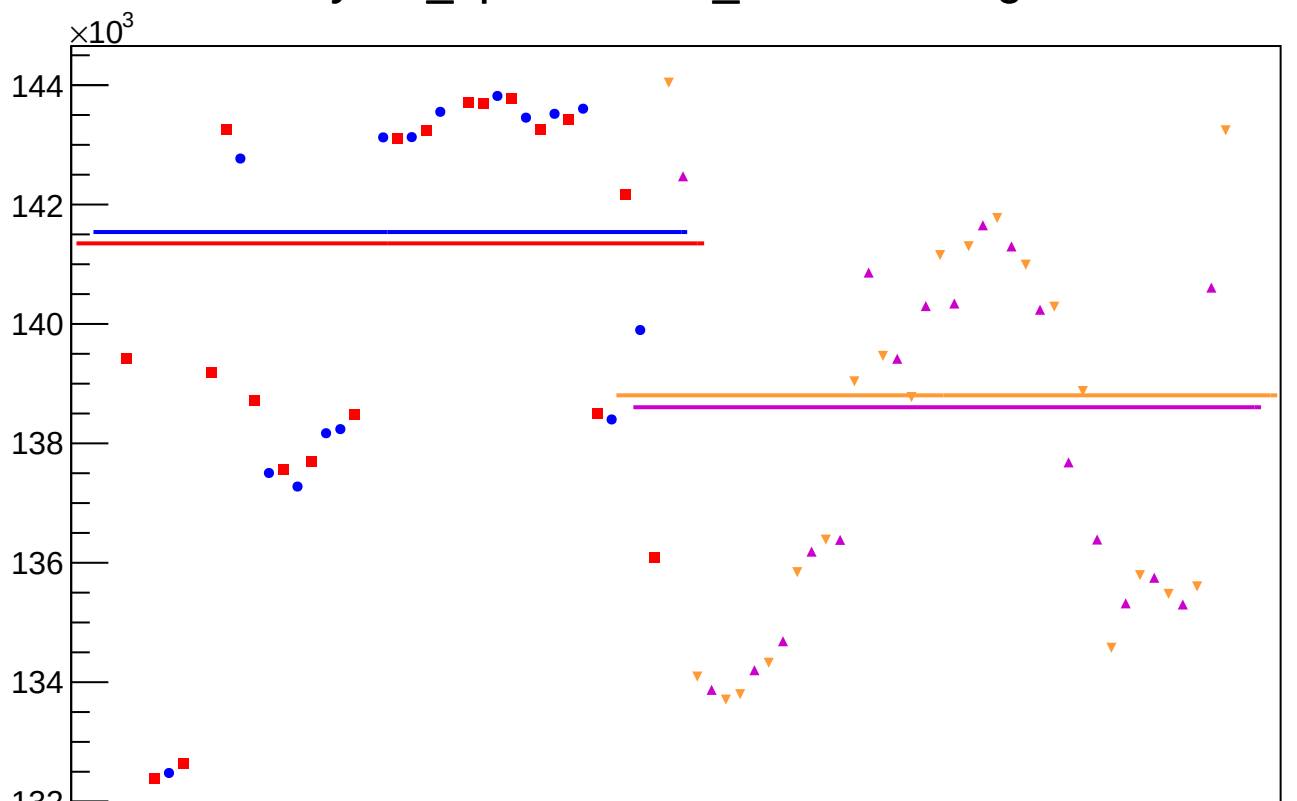
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 214.167+/-0.039 χ^2/NDF:592481.2/18

+ sign 199.364+/-0.030 χ^2/NDF: 2142392.4/36

All: 195.887+/-0.021 χ^2/NDF: 4762386.5/74

- sign 192.481+/-0.030 χ^2/NDF: 2593249.1/37



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138804.667+/-0.077 χ^2/NDF:1998862591.3/20

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

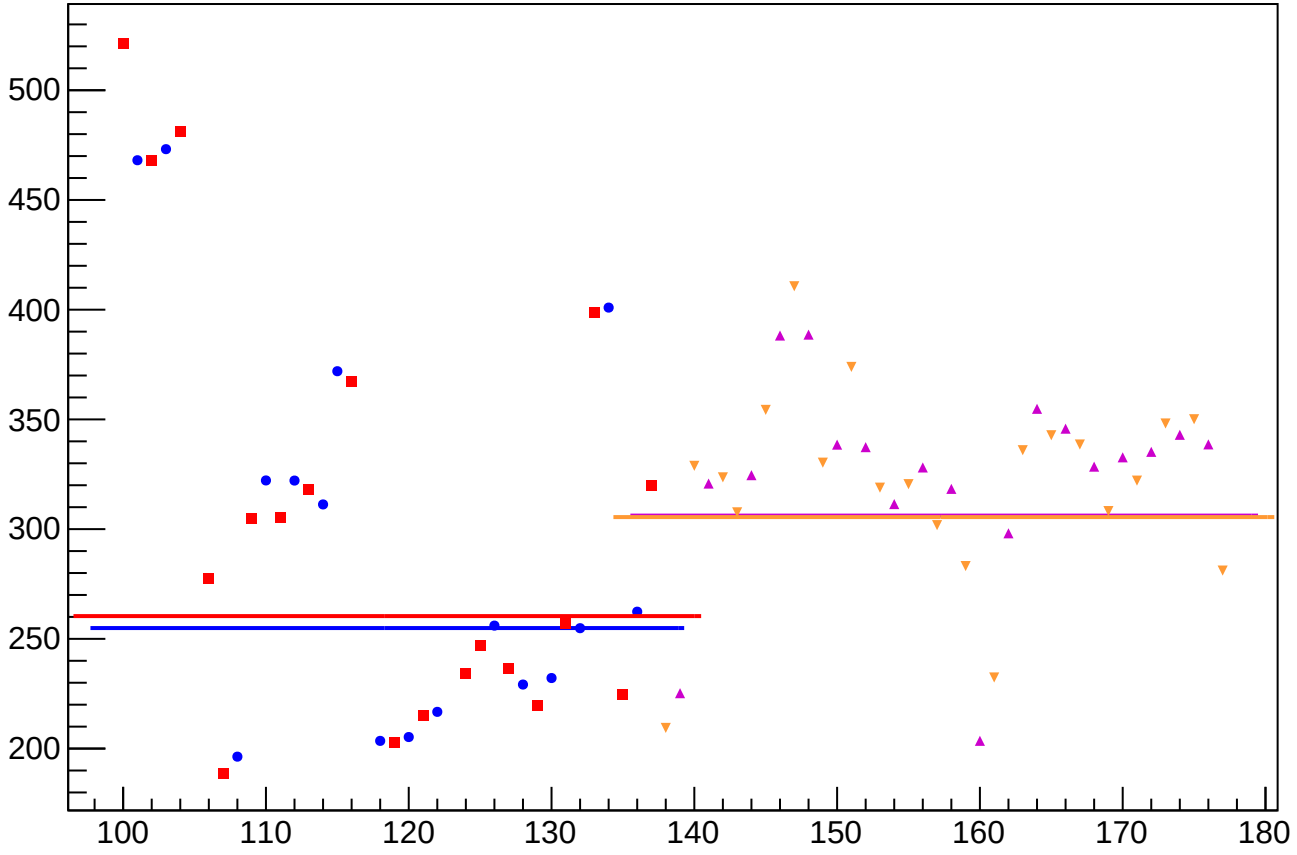
Left In: 138605.189+/-0.080 χ^2/NDF:1365558584.8/18

+ sign 139808.865+/-0.061 χ^2/NDF: 3412310873.0/

All: 139737.478+/-0.044 χ^2/NDF: 61607587

- sign 139662.232+/-0.063 χ^2/NDF: 2745642791.3/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.484+/-0.054 χ^2/NDF:815040.6/20

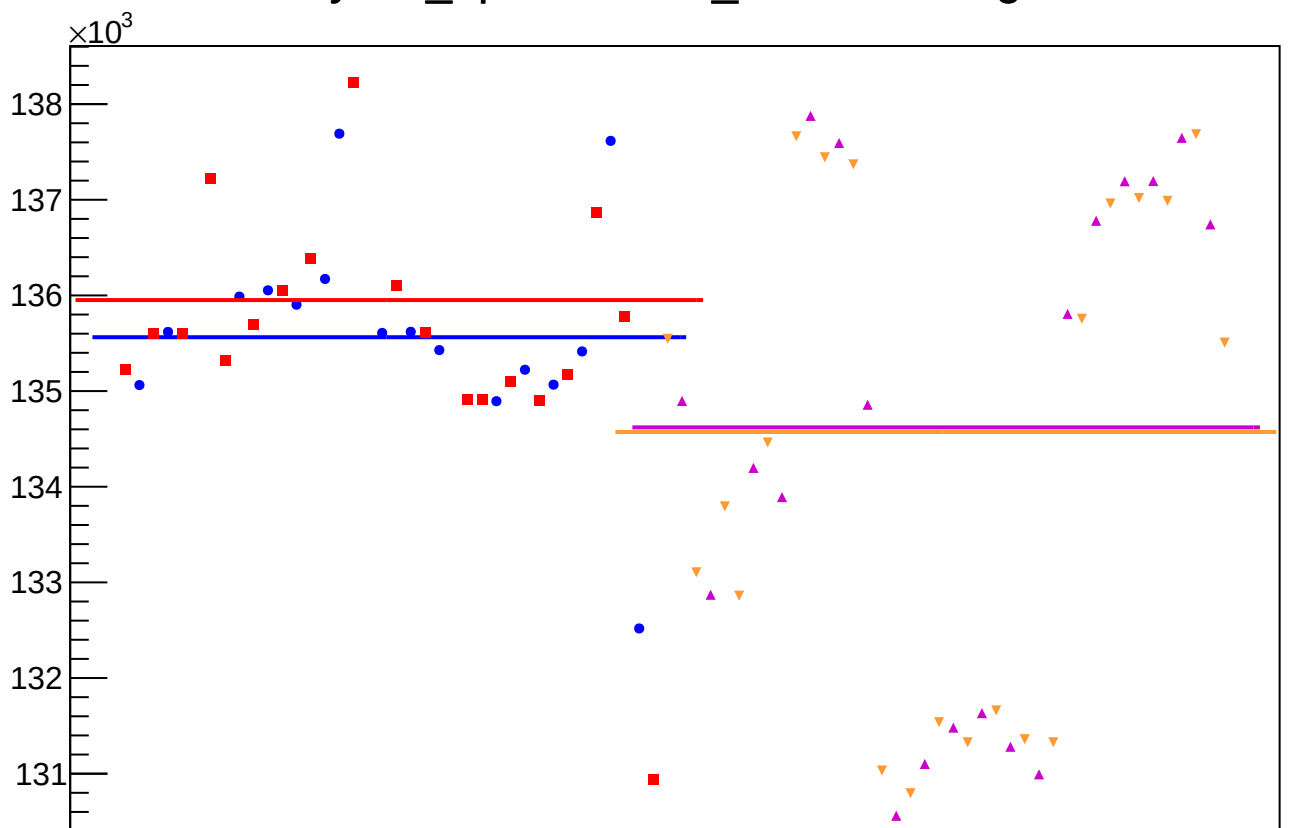
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 306.167+/-0.057 χ^2/NDF:922032.9/18

\+ sign 286.917+/-0.043 χ^2/NDF: 2083402.4/36

All: 287.701+/-0.031 χ^2/NDF: 4251975.3/74

\- sign 288.527+/-0.044 χ^2/NDF: 2167896.9/37



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134572.446+/-0.066 χ^2/NDF:1193080040.0/20

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

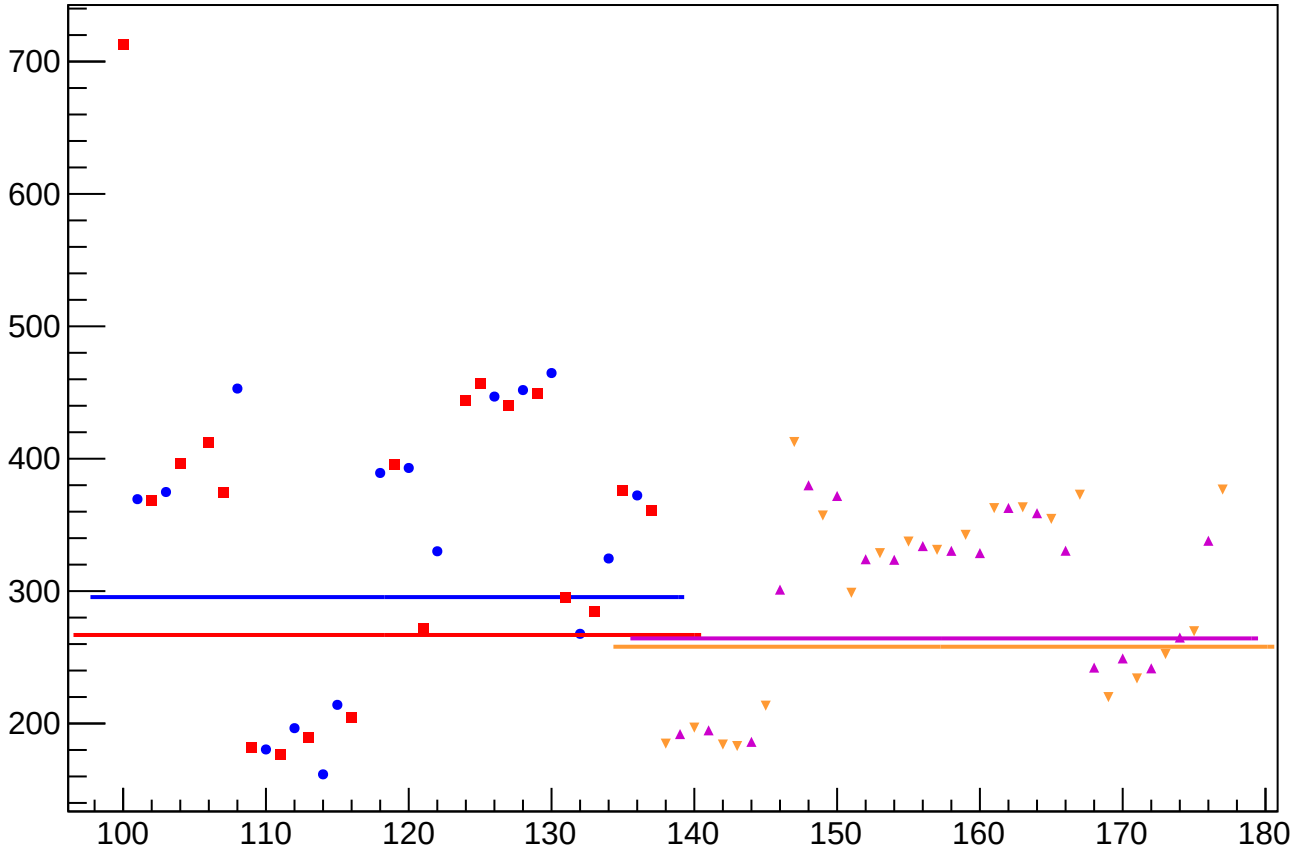
Left In: 134620.661+/-0.070 χ^2/NDF:1085301696.3/18

+ sign 134809.038+/-0.058 χ^2/NDF: 1340573664.5

All: 134914.379+/-0.041 χ^2/NDF: 263354303

- sign 135021.708+/-0.058 χ^2/NDF: 1286272935.5/

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 257.989+/-0.047 χ^2/NDF:2332143.3/20

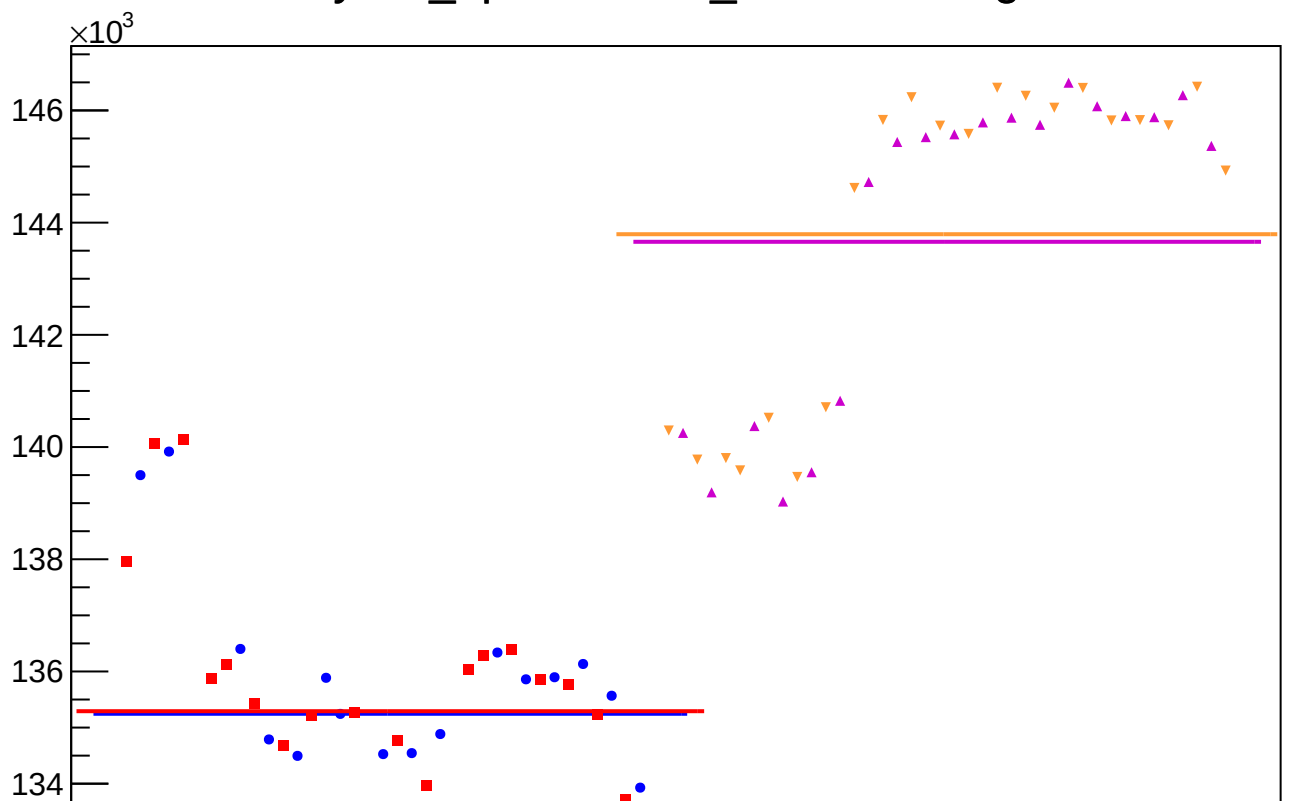
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 264.275+/-0.049 χ^2/NDF:1746294.8/18

+ sign 266.943+/-0.041 χ^2/NDF: 3927443.0/36

All: 266.008+/-0.029 χ^2/NDF: 7353694.6/74

- sign 265.055+/-0.041 χ^2/NDF: 3425196.1/37



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143793.583+/-0.050 χ^2/NDF:3107119853.9/20

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

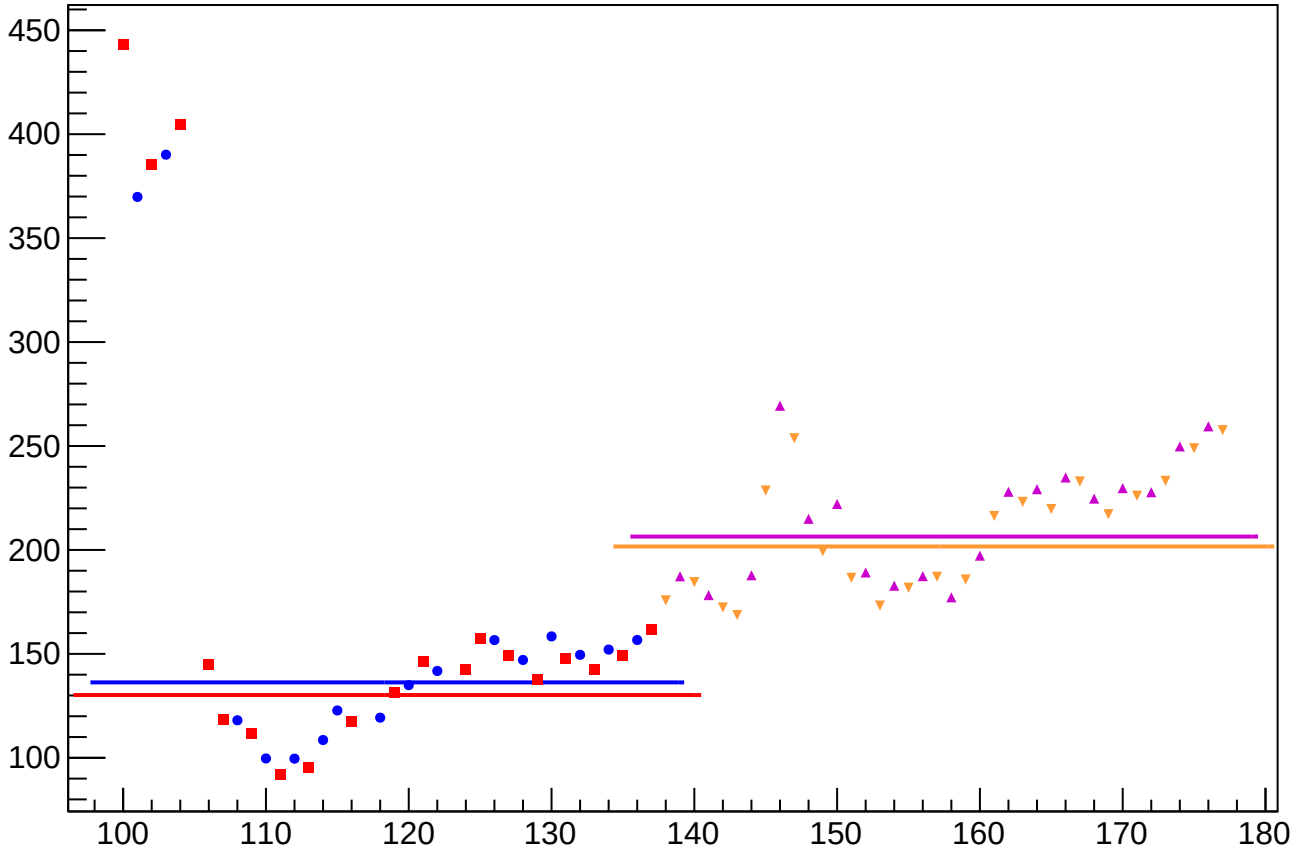
Left In: 143658.497+/-0.053 χ^2/NDF:2744329223.7/18

+ sign 139876.763+/-0.037 χ^2/NDF: 16712605363.

All: 139614.661+/-0.026 χ^2/NDF: 32621492

- sign 139351.328+/-0.037 χ^2/NDF: 15808526246.1

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 201.668+/-0.036 χ^2/NDF:567988.9/20

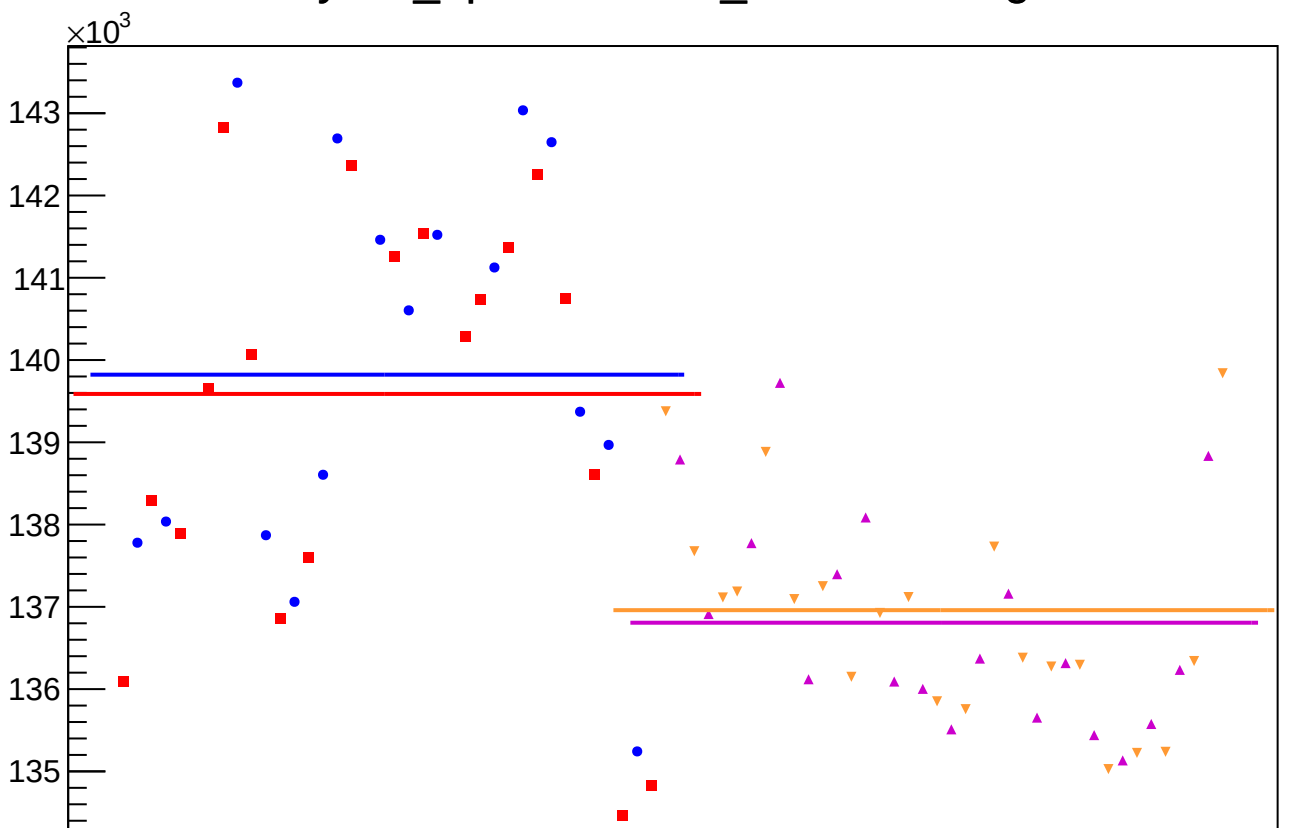
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 206.444+/-0.038 χ^2/NDF:482001.5/18

+ sign 171.706+/-0.026 χ^2/NDF: 3498855.8/36

All: 169.457+/-0.019 χ^2/NDF: 7622565.7/74

- sign 167.196+/-0.026 χ^2/NDF: 4108923.9/37



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 136959.560+/-0.051 χ^2/NDF:604882622.6/20

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

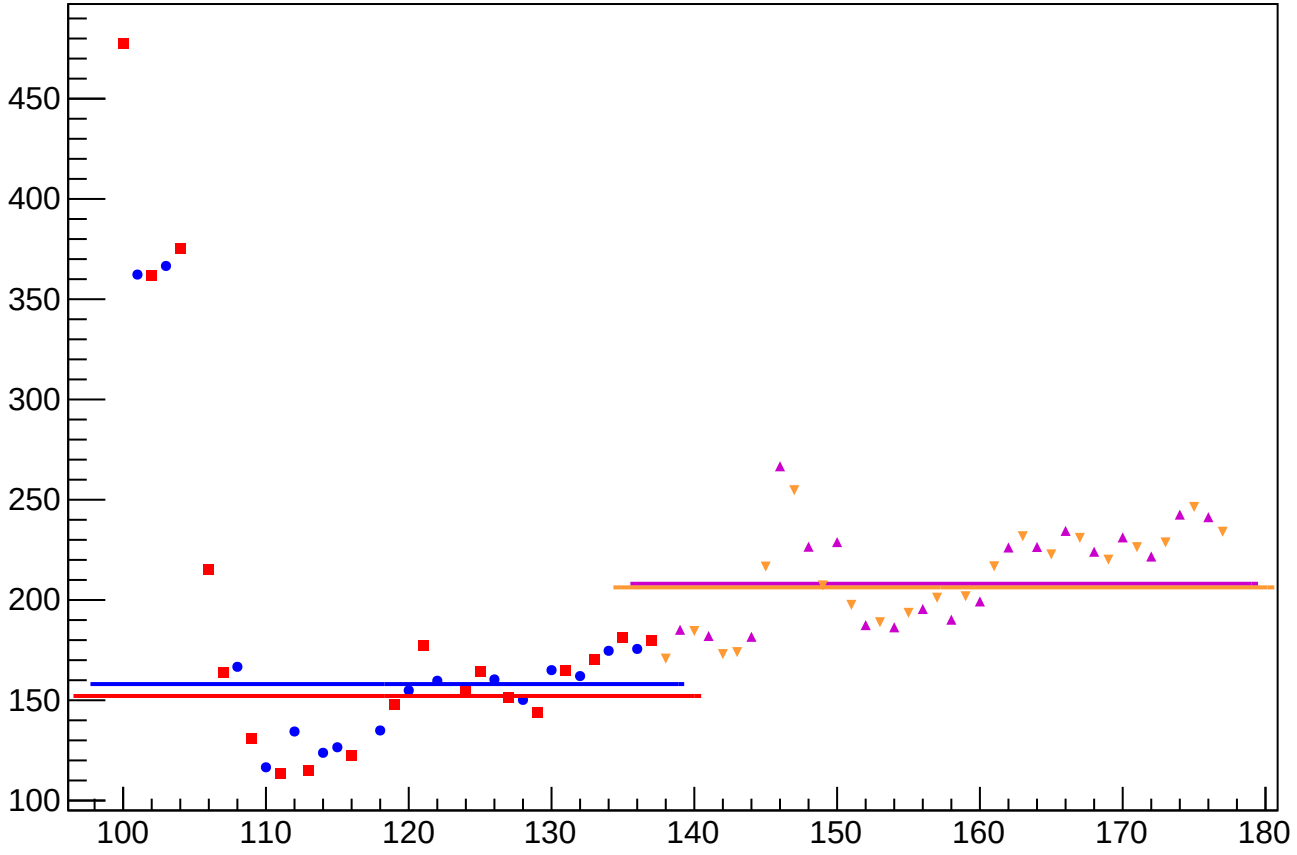
Left In: 136807.036+/-0.054 χ^2/NDF:516294301.9/18

+ sign 138113.835+/-0.040 χ^2/NDF: 3516456817.6

All: 138082.641+/-0.028 χ^2/NDF: 67148950

- sign 138051.129+/-0.040 χ^2/NDF: 3197200067.3/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 206.299+/-0.036 χ^2/NDF:410380.9/20

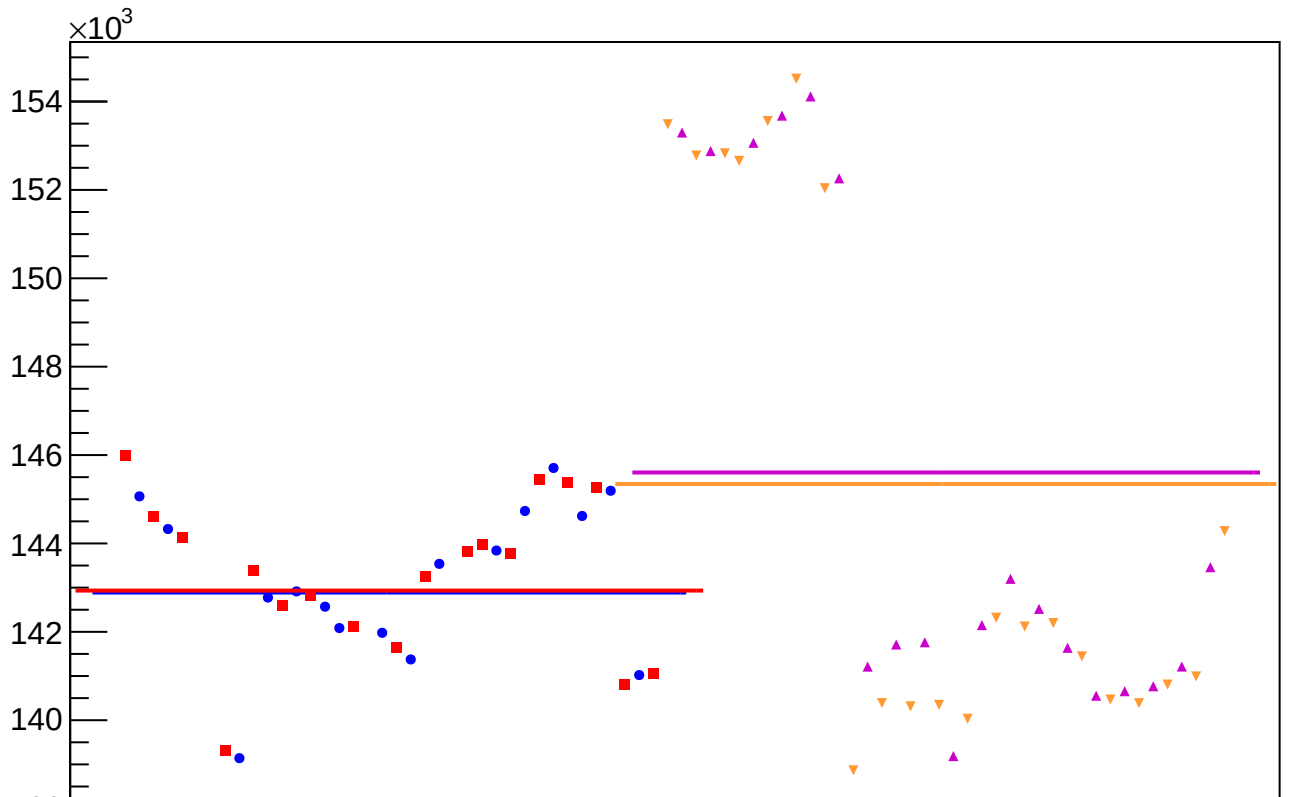
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 208.098+/-0.038 χ^2/NDF:397281.1/18

+ sign 186.855+/-0.028 χ^2/NDF: 2136662.1/36

All: 184.969+/-0.020 χ^2/NDF: 4742275.9/74

- sign 183.063+/-0.028 χ^2/NDF: 2596557.8/37



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145344.786+/-0.052 χ^2/NDF:12987539928.5/20

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

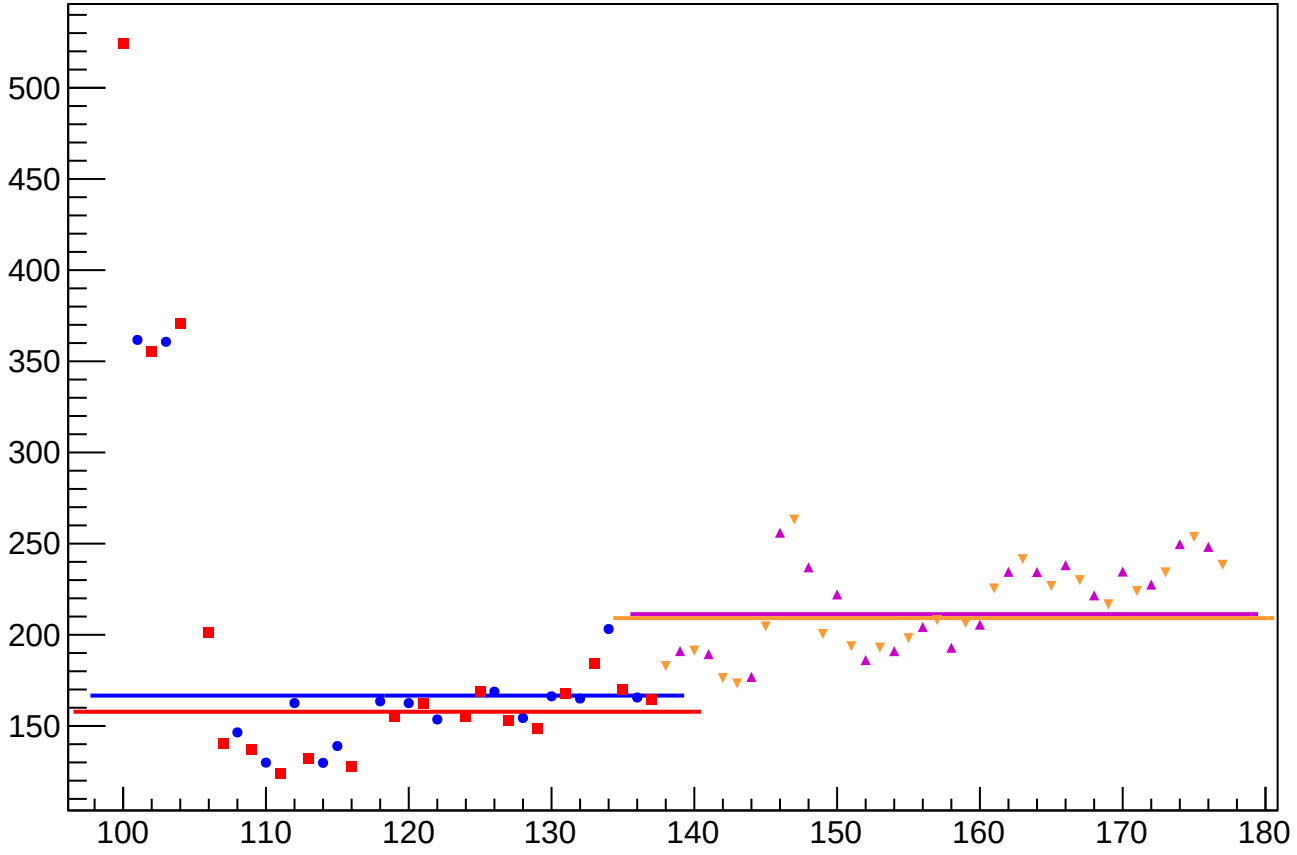
Left In: 145605.783+/-0.055 χ^2/NDF:10999257237.9/18

+ sign 144396.132+/-0.041 χ^2/NDF: 14608341958.4

All: 144413.376+/-0.029 χ^2/NDF: 27451403

- sign 144430.606+/-0.041 χ^2/NDF: 12842705408.7

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 209.136+/-0.037 χ^2/NDF:402040.1/20

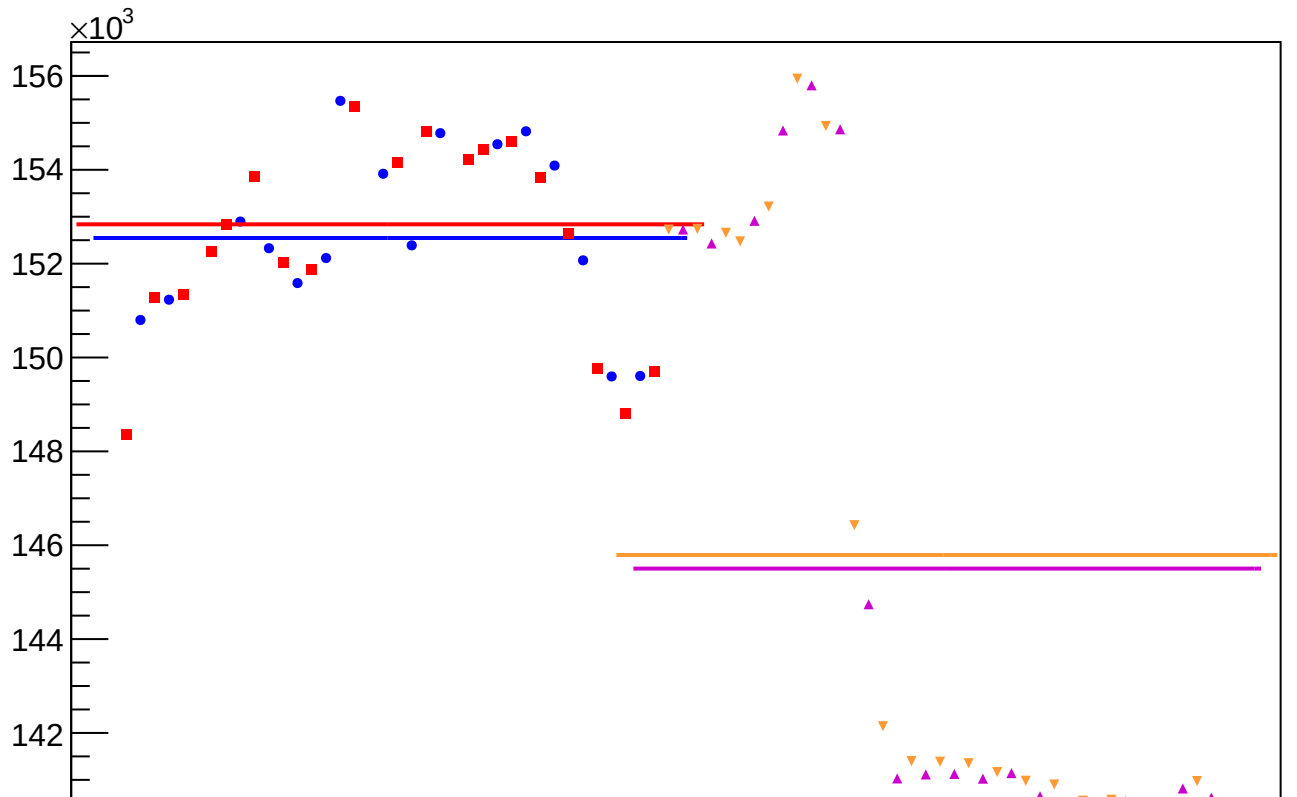
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 211.310+/-0.039 χ^2/NDF:391482.4/18

+ sign 192.724+/-0.029 χ^2/NDF: 1778921.1/36

All: 190.250+/-0.020 χ^2/NDF: 4054258.8/74

- sign 187.779+/-0.029 χ^2/NDF: 2260661.4/37



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145791.682+/-0.052 χ^2/NDF:12657988662.5/20

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

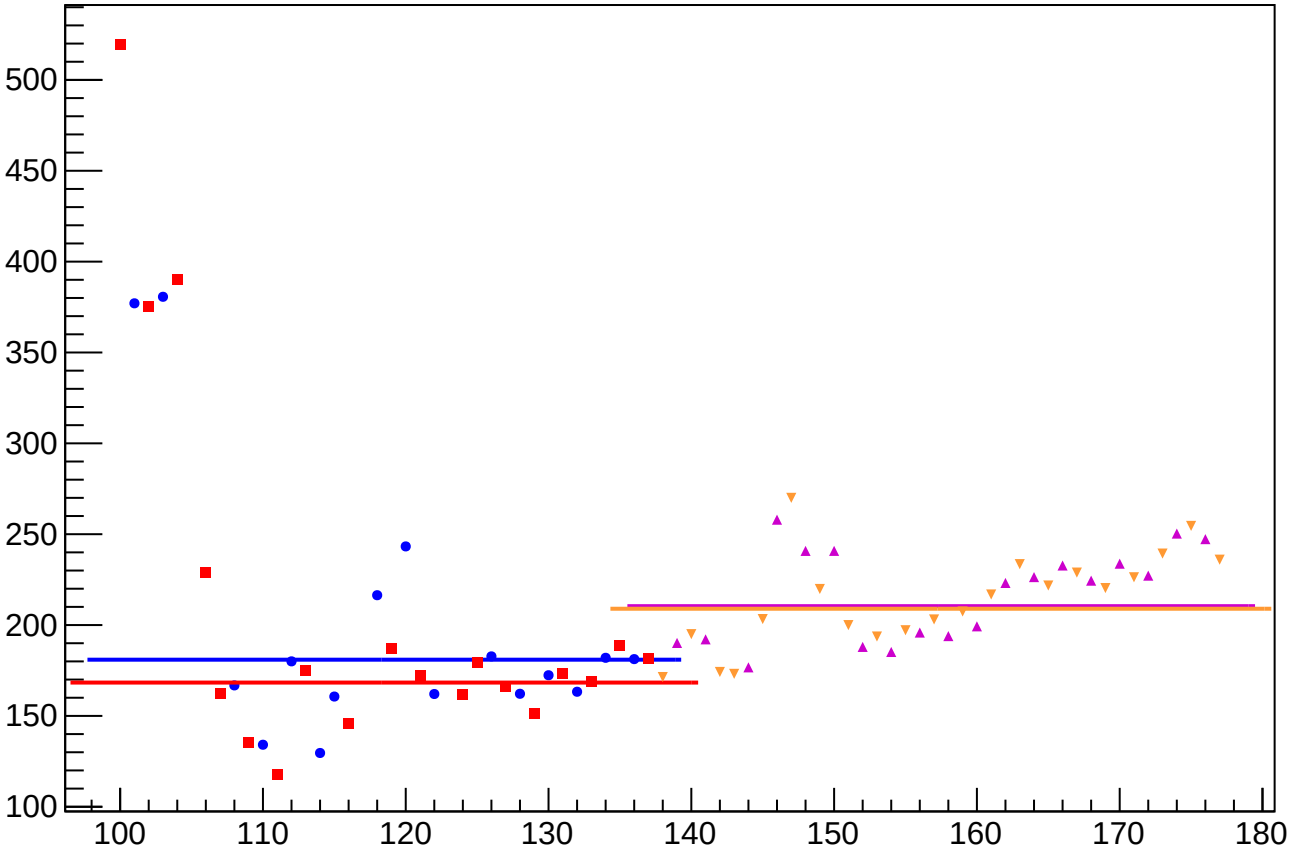
Left In: 145502.366+/-0.054 χ^2/NDF:12234223450.9/18

+ sign 148078.828+/-0.042 χ^2/NDF: 19036578927.

All: 148250.486+/-0.030 χ^2/NDF: 39332966

- sign 148420.448+/-0.042 χ^2/NDF: 20263539997.5

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 208.978+/-0.037 χ^2/NDF:442478.0/20

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

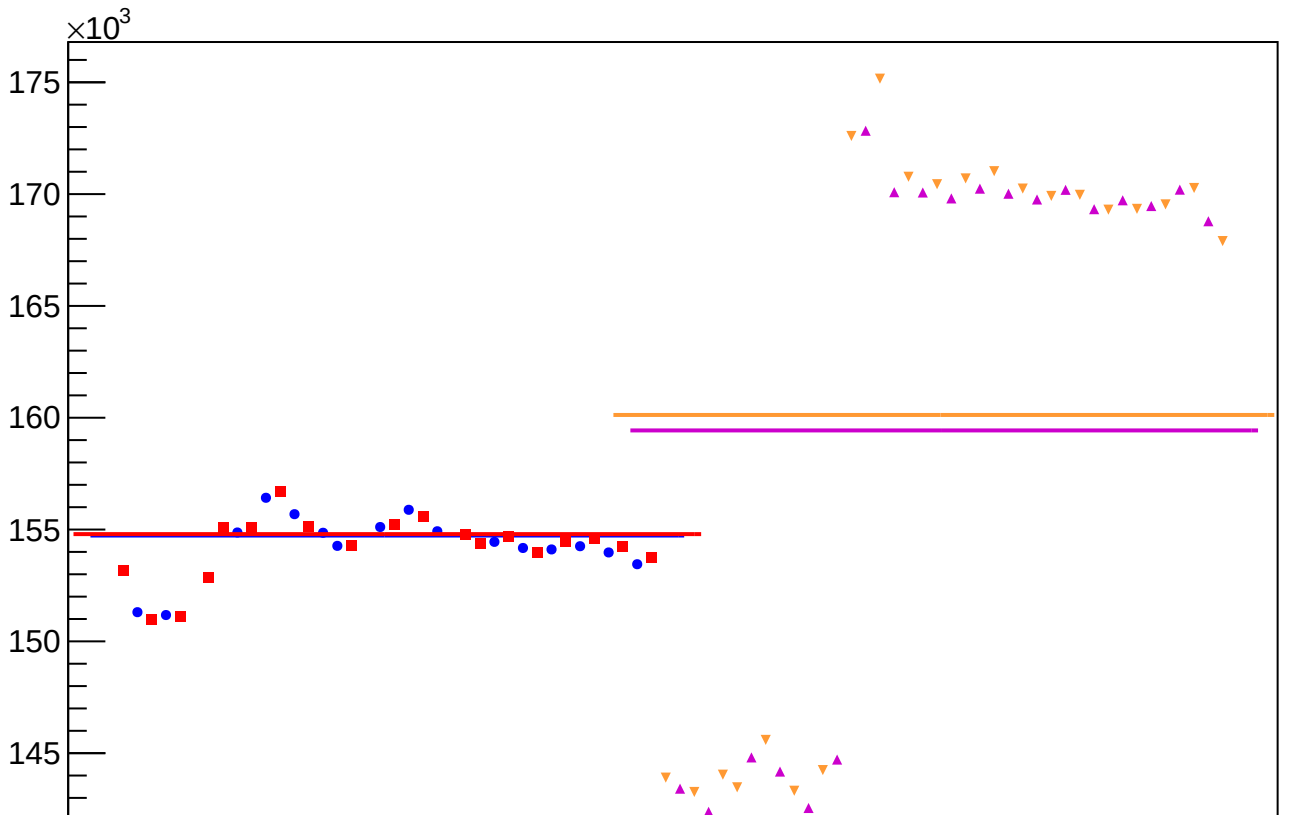
Left In: 210.398+/-0.038 χ^2/NDF:420226.8/18

+ sign 199.484+/-0.030 χ^2/NDF: 1547471.7/36

All: 196.563+/-0.021 χ^2/NDF: 3555044.8/74

- sign 193.671+/-0.030 χ^2/NDF: 1988548.9/37

yield_bpm1i02WS_mean vs Slug



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160124.220+/-0.049 χ^2/NDF:72501743391.8/20

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

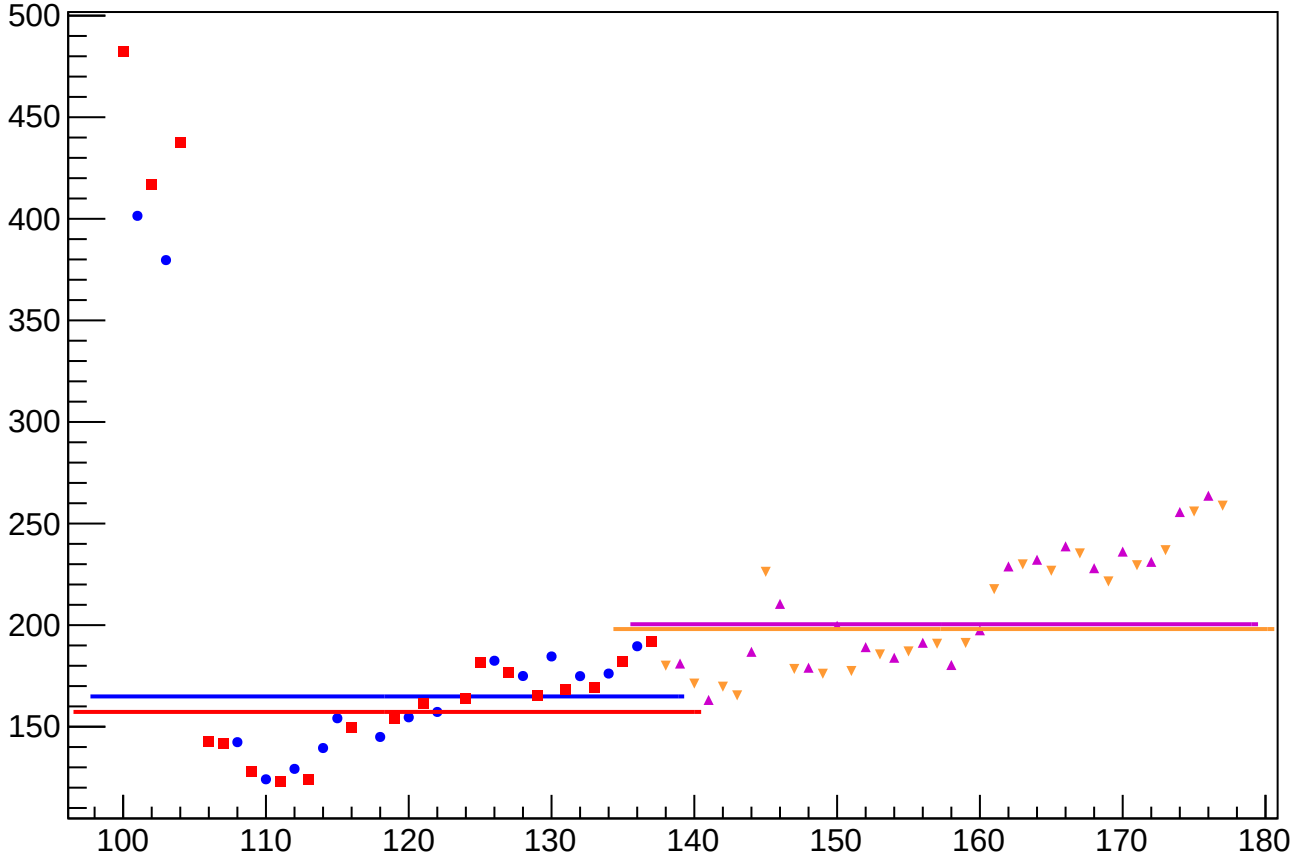
Left In: 159432.533+/-0.052 χ^2/NDF:64416149002.5/18

+ sign 158163.465+/-0.039 χ^2/NDF: 77127083104.

All: 157833.457+/-0.028 χ^2/NDF: 14535342

- sign 157502.023+/-0.039 χ^2/NDF: 68085140710.6

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 198.072+/-0.035 χ^2/NDF:621431.5/20

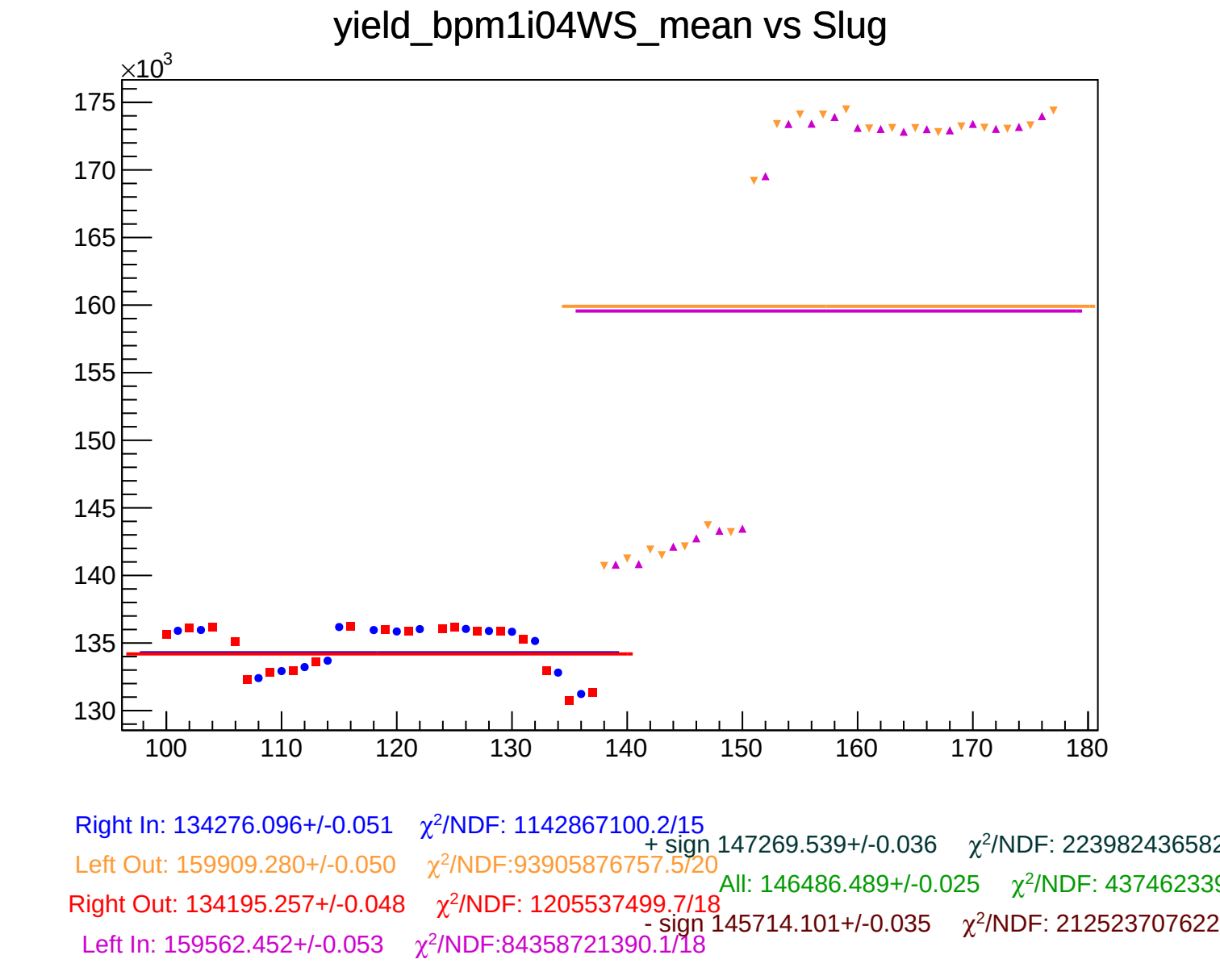
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 200.446+/-0.036 χ^2/NDF:514778.1/18

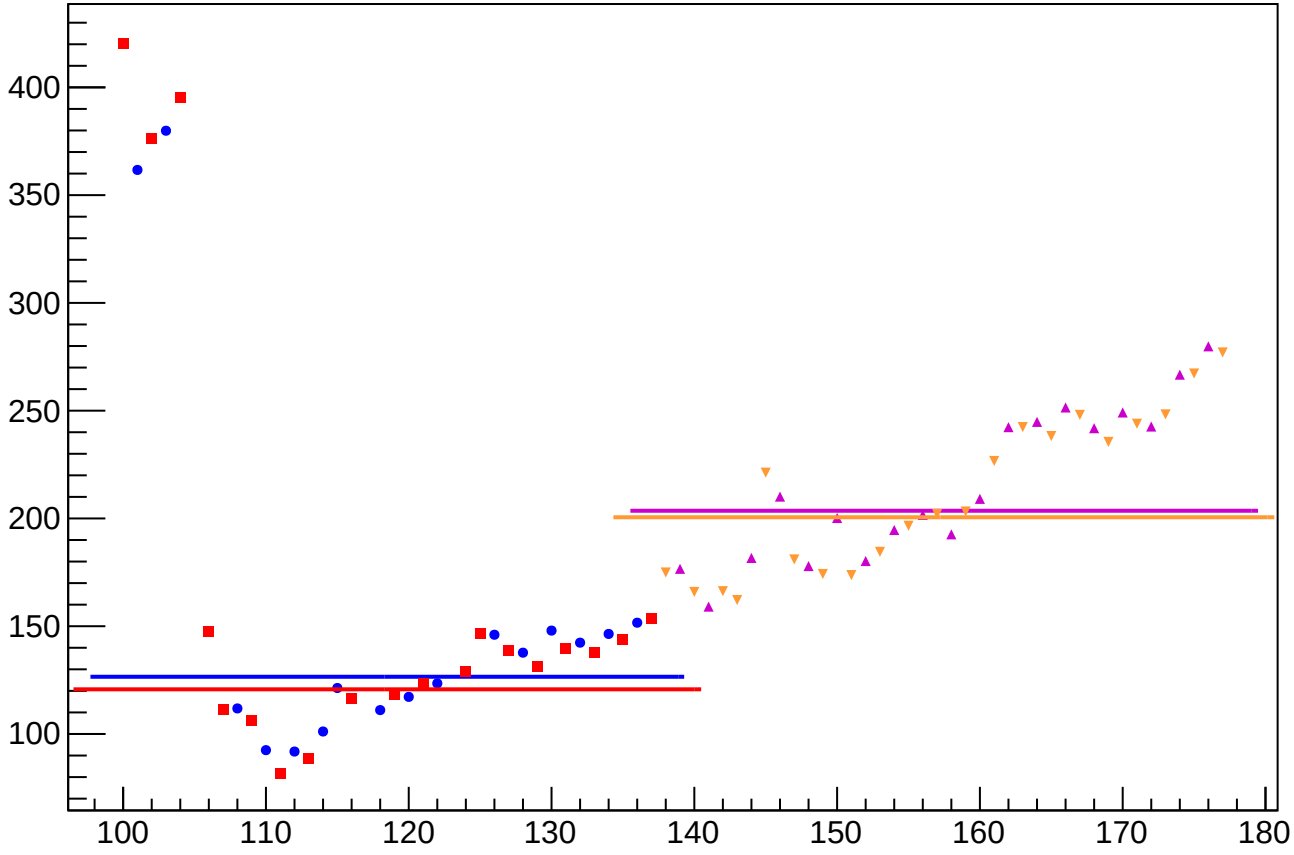
\+ sign 186.009+/-0.028 χ^2/NDF: 2023485.3/36

All: 184.246+/-0.020 χ^2/NDF: 4384348.1/74

\- sign 182.475+/-0.028 χ^2/NDF: 2352797.9/37


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: 159909.280+/-0.050 χ²/NDF:93905876757.5/20
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 159562.452+/-0.053 χ²/NDF:84358721390.1/18
+ sign 147269.539+/-0.036 χ²/NDF: 223982436582
All: 146486.489+/-0.025 χ²/NDF: 43746233
- sign 145714.101+/-0.035 χ²/NDF: 212523707622

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 200.548+/-0.035 χ^2/NDF:885240.1/20

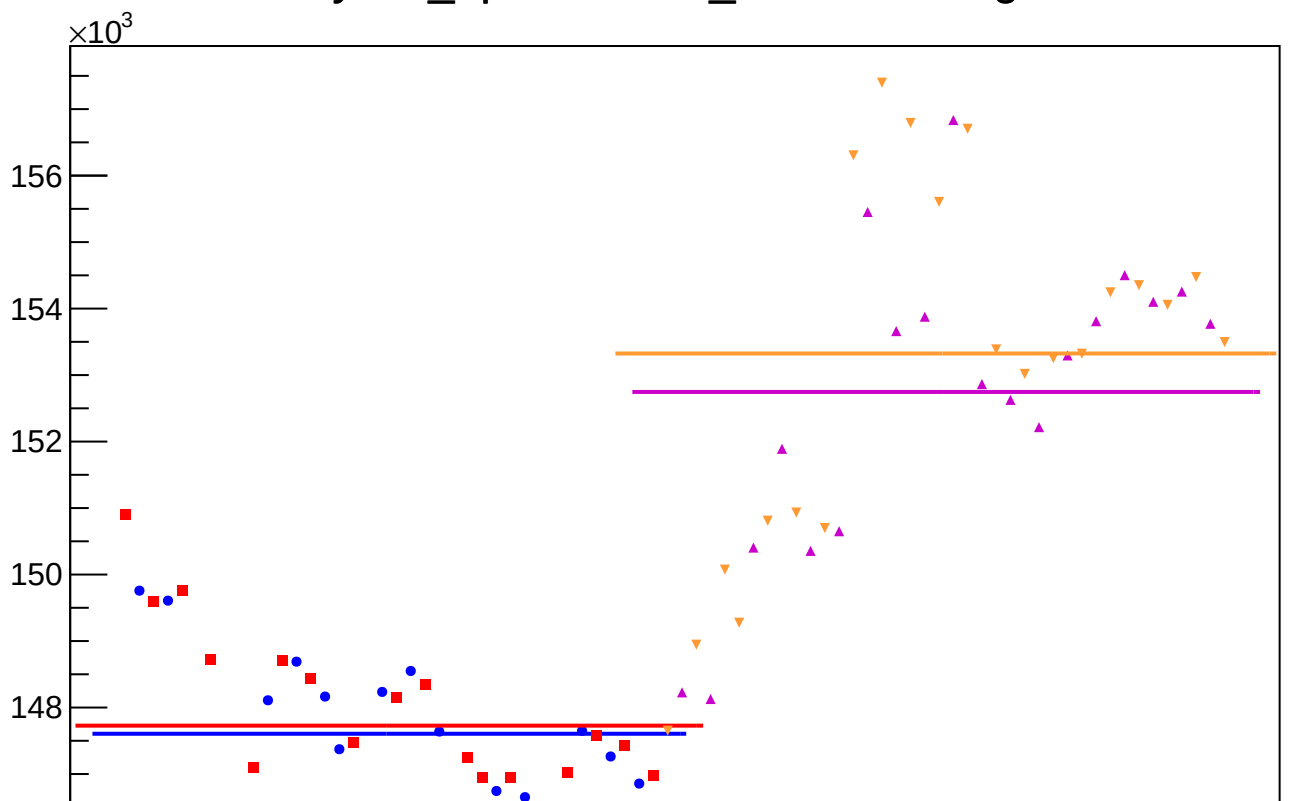
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 203.571+/-0.037 χ^2/NDF:724741.1/18

+ sign 164.060+/-0.025 χ^2/NDF: 4511576.5/36

All: 161.182+/-0.018 χ^2/NDF: 9603292.6/74

- sign 158.343+/-0.025 χ^2/NDF: 5065883.7/37



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153324.684+/-0.053 χ^2/NDF:2976422784.0/20

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

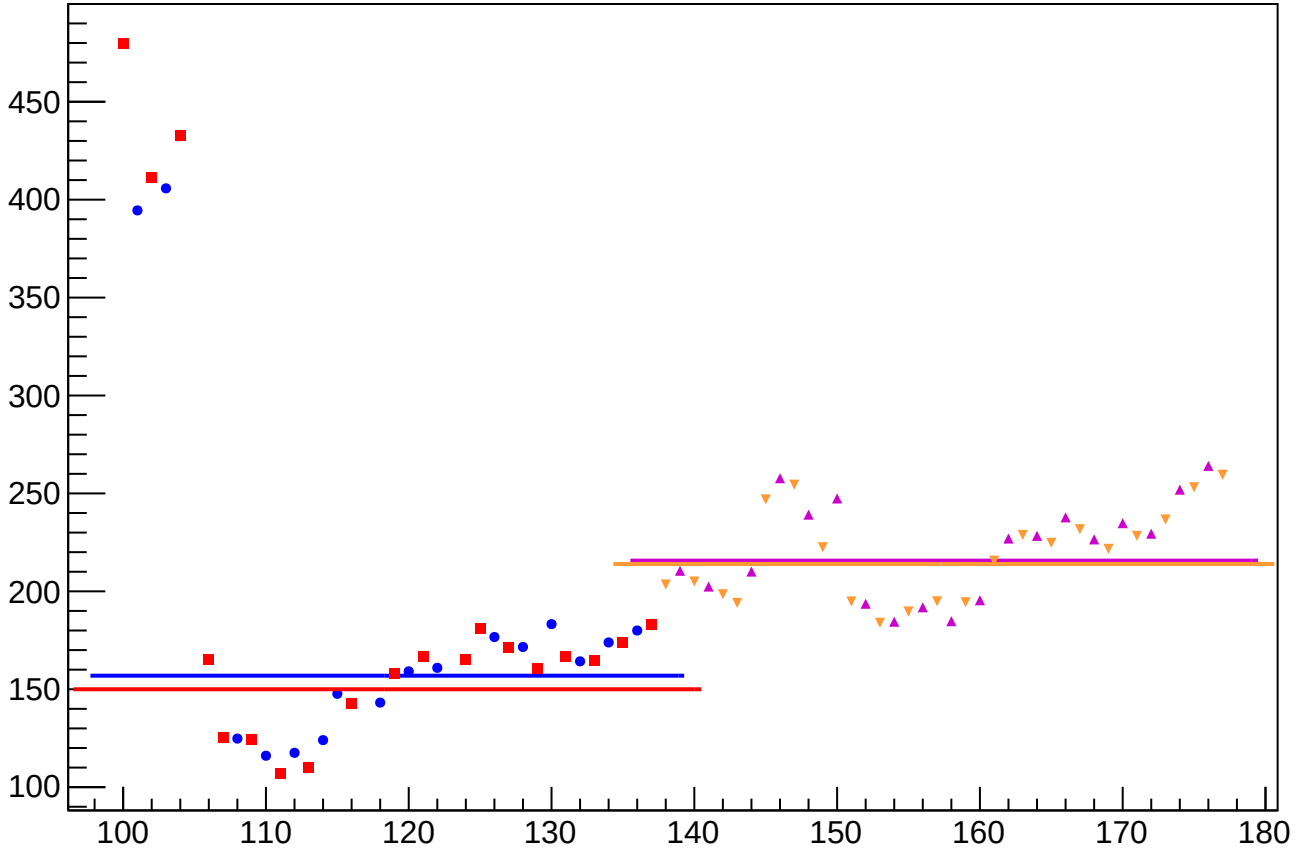
Left In: 152746.331+/-0.055 χ^2/NDF:1886257557.2/18

+ sign 150927.697+/-0.040 χ^2/NDF: 8044794636.3

All: 150658.943+/-0.029 χ^2/NDF: 14063043

- sign 150391.183+/-0.040 χ^2/NDF: 5930104188.2/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 213.960+/-0.038 χ^2/NDF:351629.2/20

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

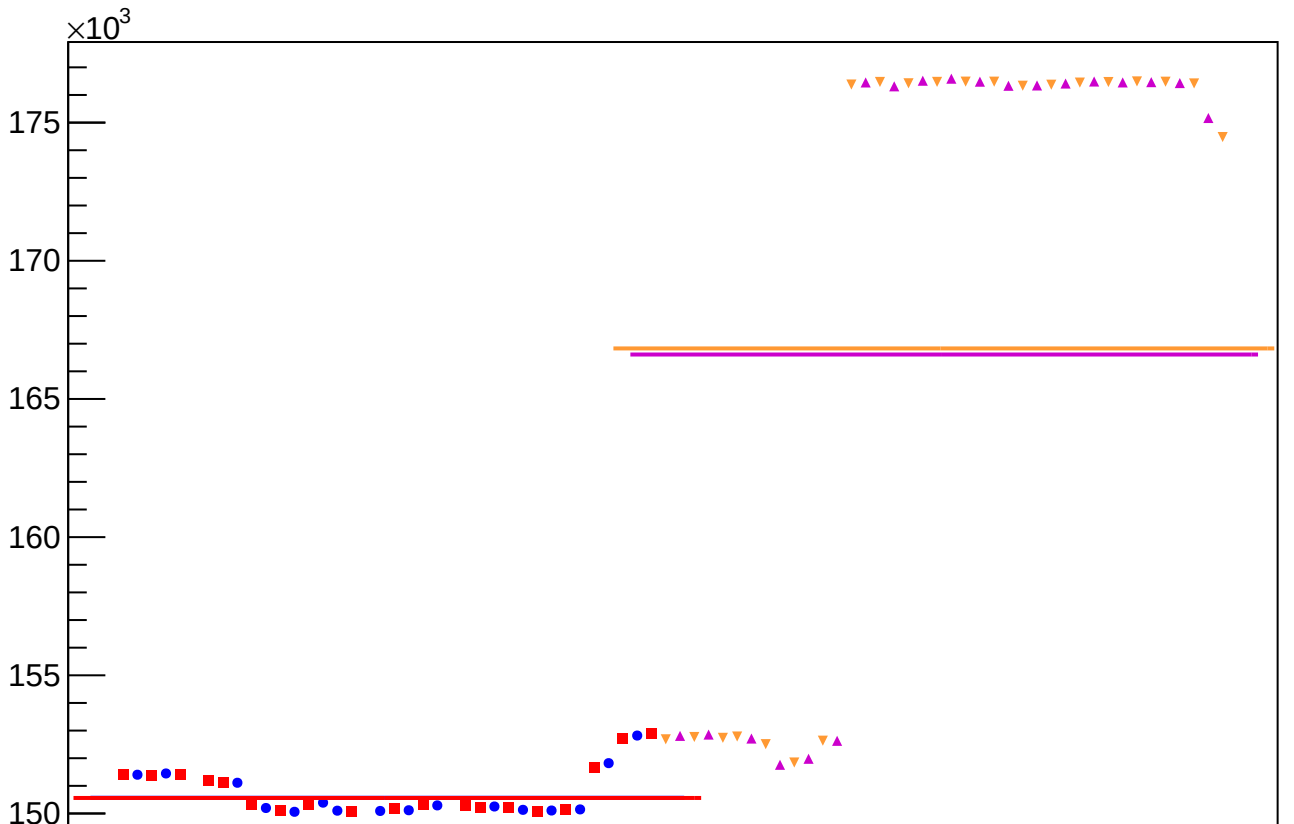
Left In: 215.686+/-0.039 χ^2/NDF:380892.5/18

+ sign 190.056+/-0.029 χ^2/NDF: 2585610.4/36

All: 187.453+/-0.020 χ^2/NDF: 5755903.9/74

- sign 184.859+/-0.029 χ^2/NDF: 3153747.2/37

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166828.368+/-0.049 χ^2/NDF:57777467241.4720

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

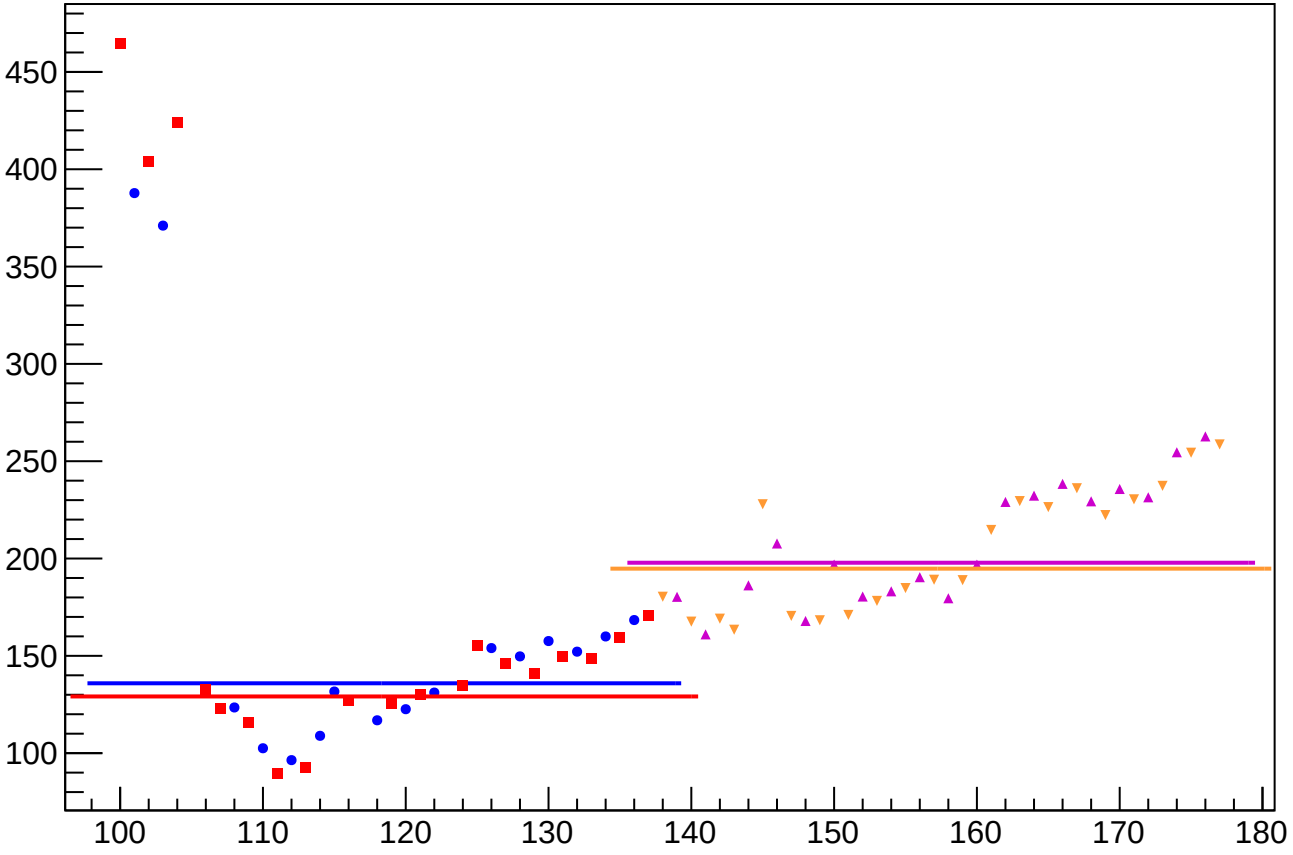
Left In: 166608.185+/-0.051 χ^2/NDF:53231173102.7/18

+ sign 159655.767+/-0.036 χ^2/NDF: 10755805946

All: 159117.759+/-0.026 χ^2/NDF: 2109669

- sign 158586.394+/-0.036 χ^2/NDF: 102971613466

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 194.797+/-0.034 χ^2/NDF:722699.5/20

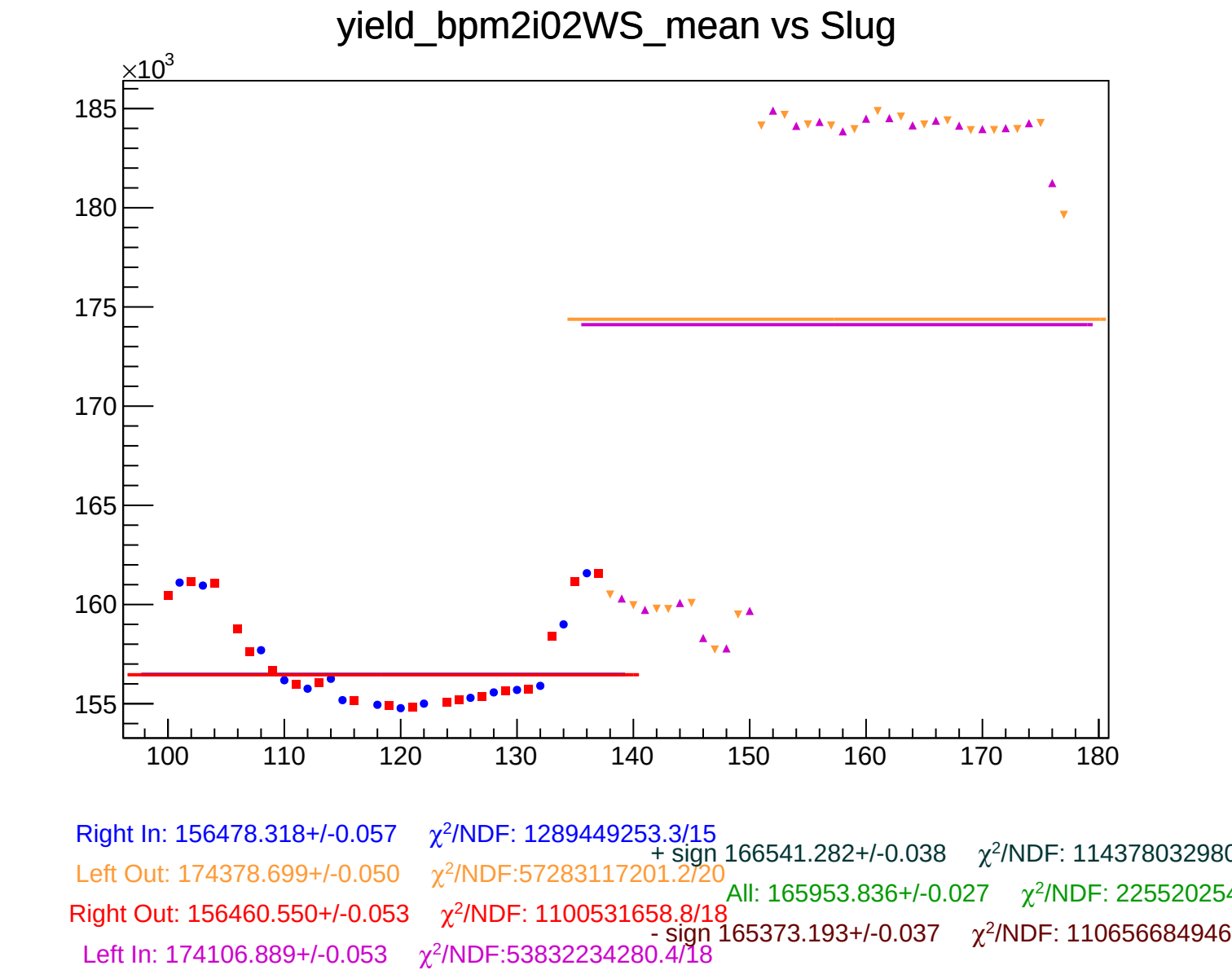
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 197.836+/-0.036 χ^2/NDF:580005.7/18

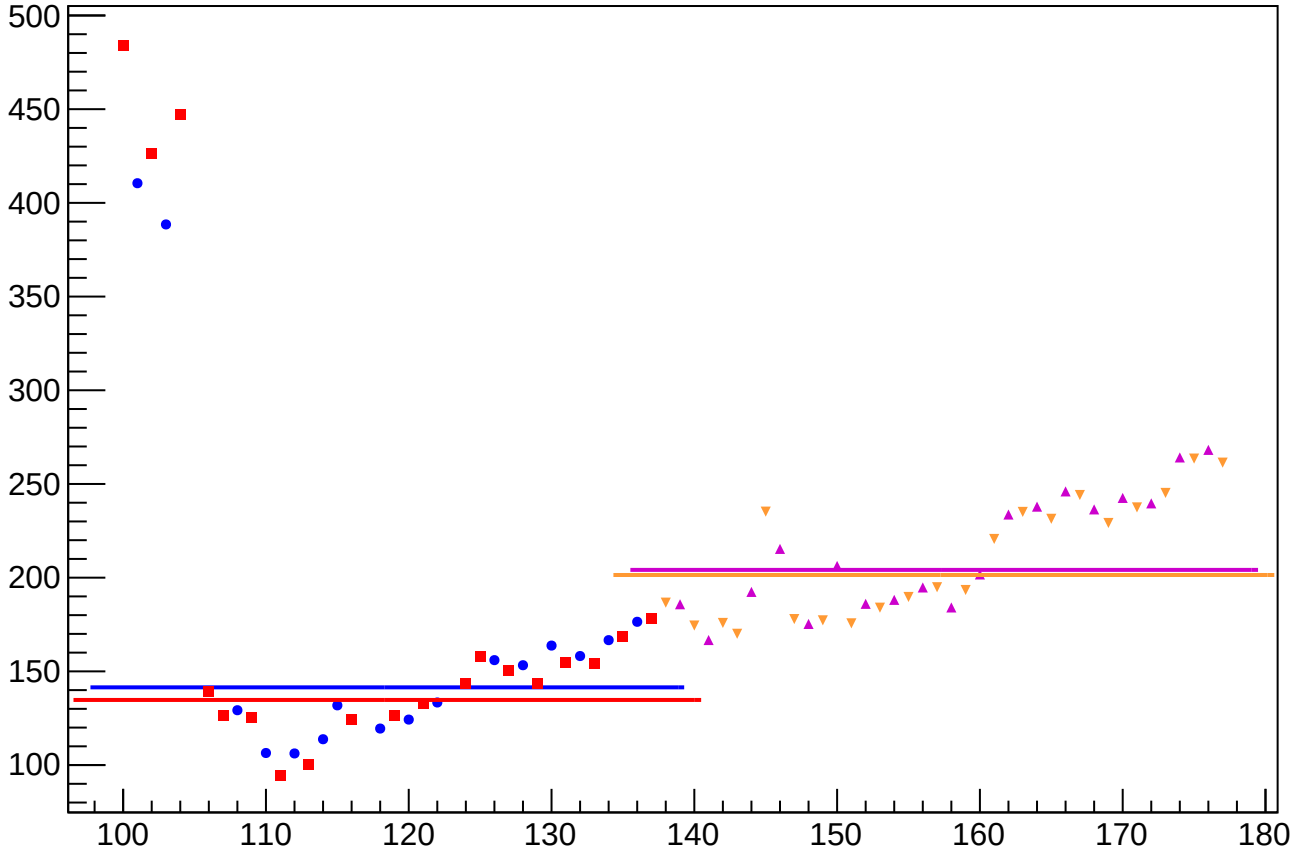
+ sign 168.814+/-0.026 χ^2/NDF: 3439300.1/36

All: 166.135+/-0.018 χ^2/NDF: 7471769.7/74

- sign 163.489+/-0.025 χ^2/NDF: 4010783.0/37


yield_bpm2i02WS_mean vs Slug
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
170
180
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 174378.699+/-0.050 χ²/NDF:57283117201.2/20
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 174106.889+/-0.053 χ²/NDF:53832234280.4/18
+ sign 166541.282+/-0.038 χ²/NDF: 11437803298
All: 165953.836+/-0.027 χ²/NDF: 2255202
- sign 165373.193+/-0.037 χ²/NDF: 110656684946

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 201.428+/-0.035 χ^2/NDF:680407.4/20

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

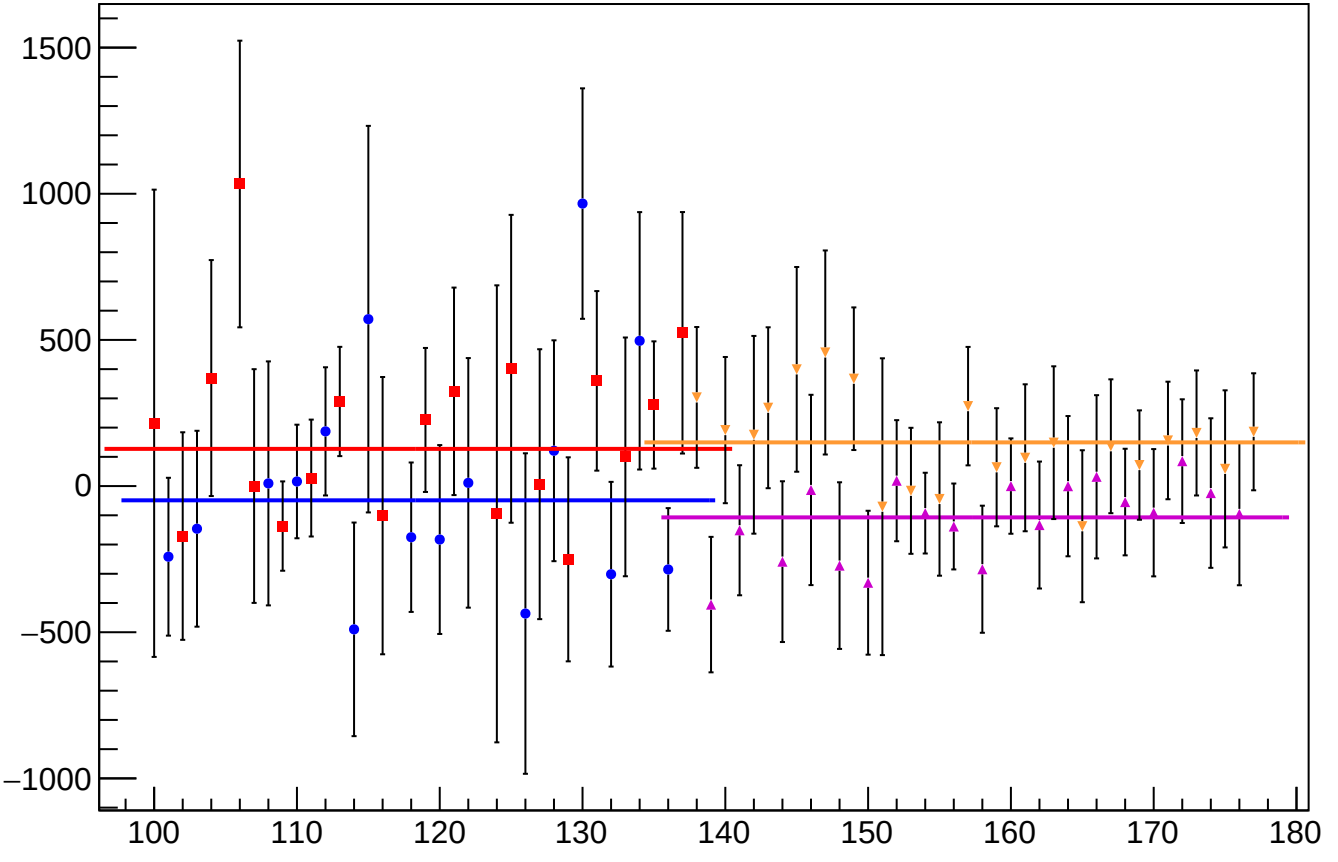
Left In: 204.150+/-0.037 χ^2/NDF:567101.2/18

+ sign 175.176+/-0.027 χ^2/NDF: 3324528.2/36

All: 172.472+/-0.019 χ^2/NDF: 7215219.4/74

- sign 169.800+/-0.026 χ^2/NDF: 3870118.7/37

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 149.444+/-53.043 χ^2/NDF:6.2/20

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

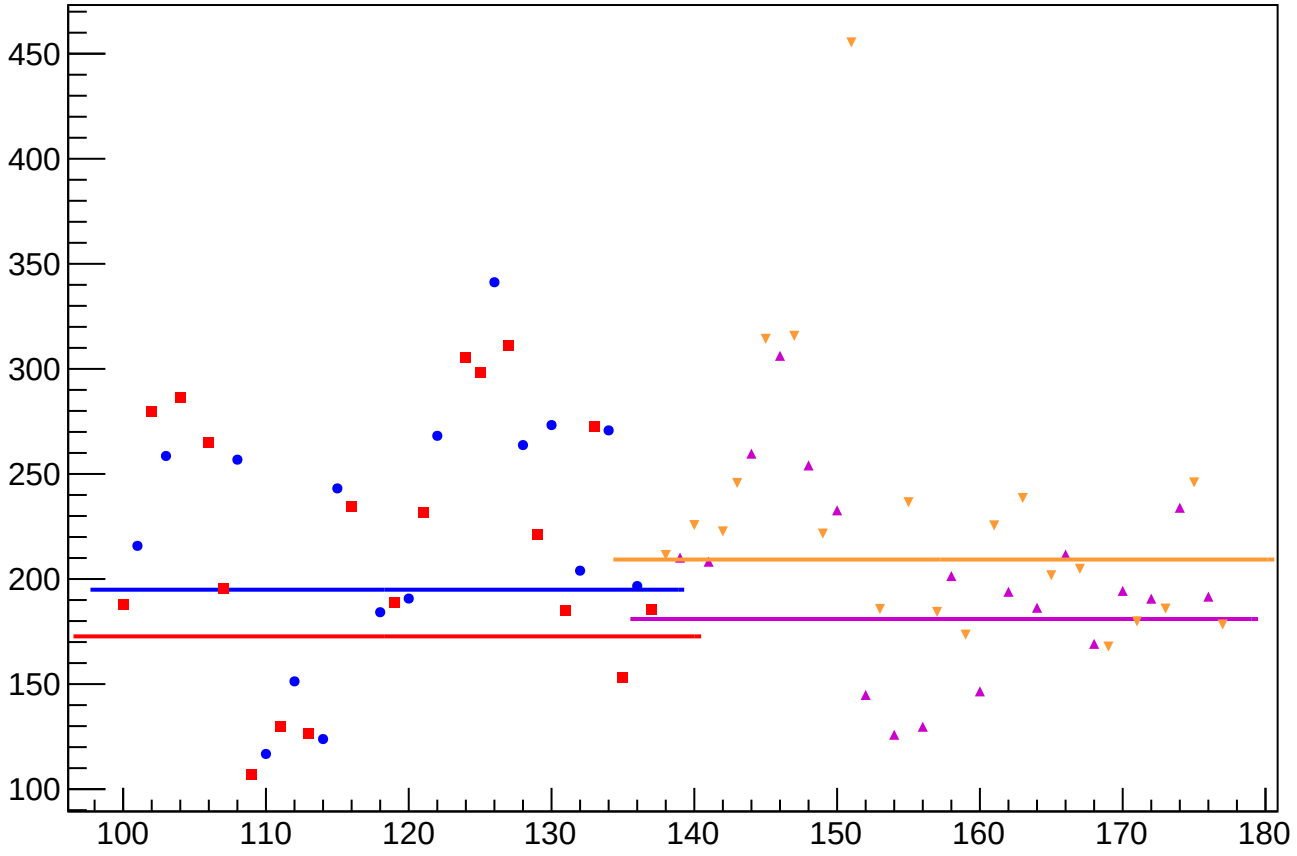
Left In: -107.099+/-48.331 χ^2/NDF:6.2/18

+ sign 85.199+/-43.607 χ^2/NDF: 26.2/36

All: 22.337+/-29.272 χ^2/NDF: 56.8/74

- sign -29.220+/-39.492 χ^2/NDF: 26.9/37

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 209.279+/-0.038 χ^2/NDF:1311816.0/20

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

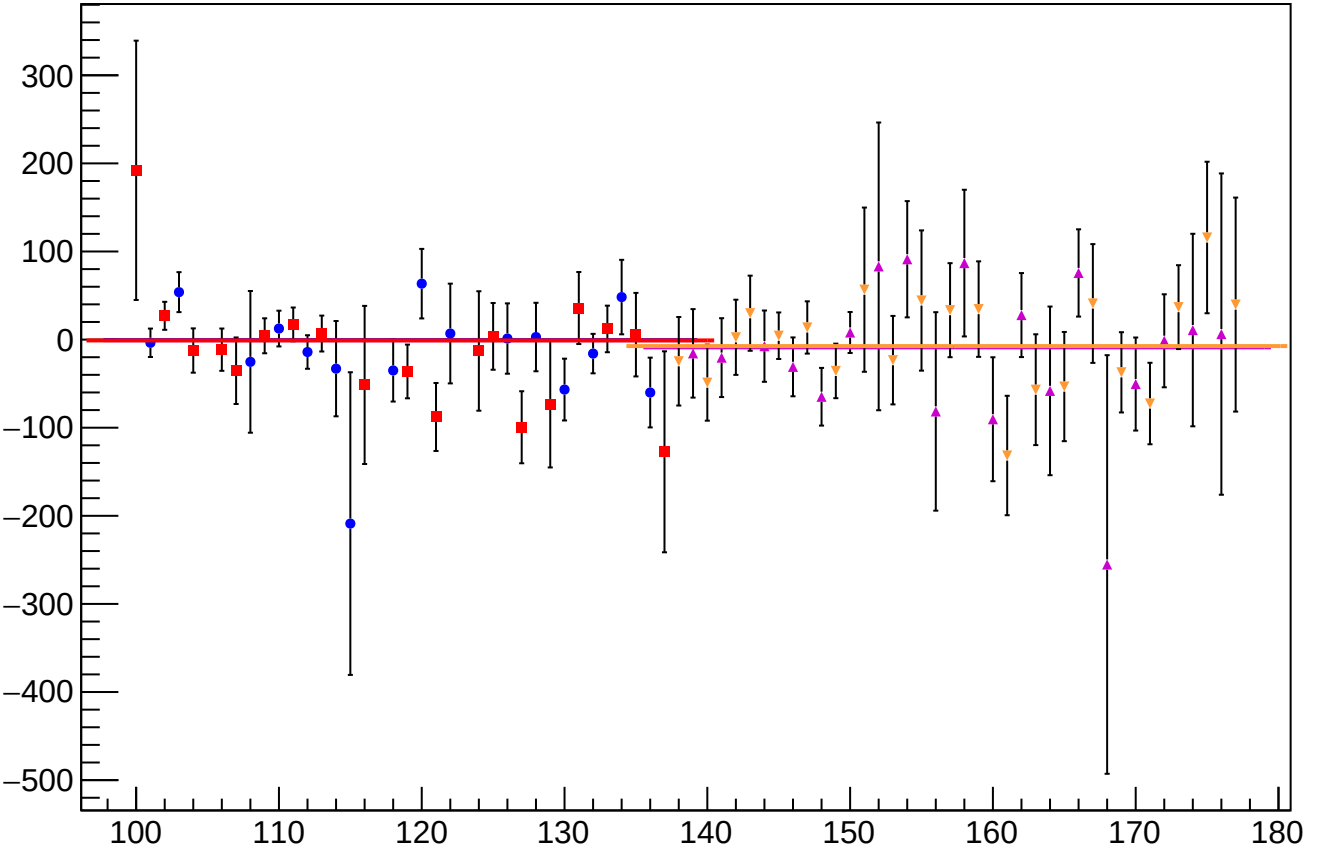
Left In: 180.975+/-0.034 χ^2/NDF:1612561.0/18

+ sign 204.625+/-0.031 χ^2/NDF: 2388207.8/36

All: 190.122+/-0.021 χ^2/NDF: 6054293.3/74

- sign 178.226+/-0.028 χ^2/NDF: 3263374.8/37

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -7.376+/-10.231 χ^2/NDF:16.1/20

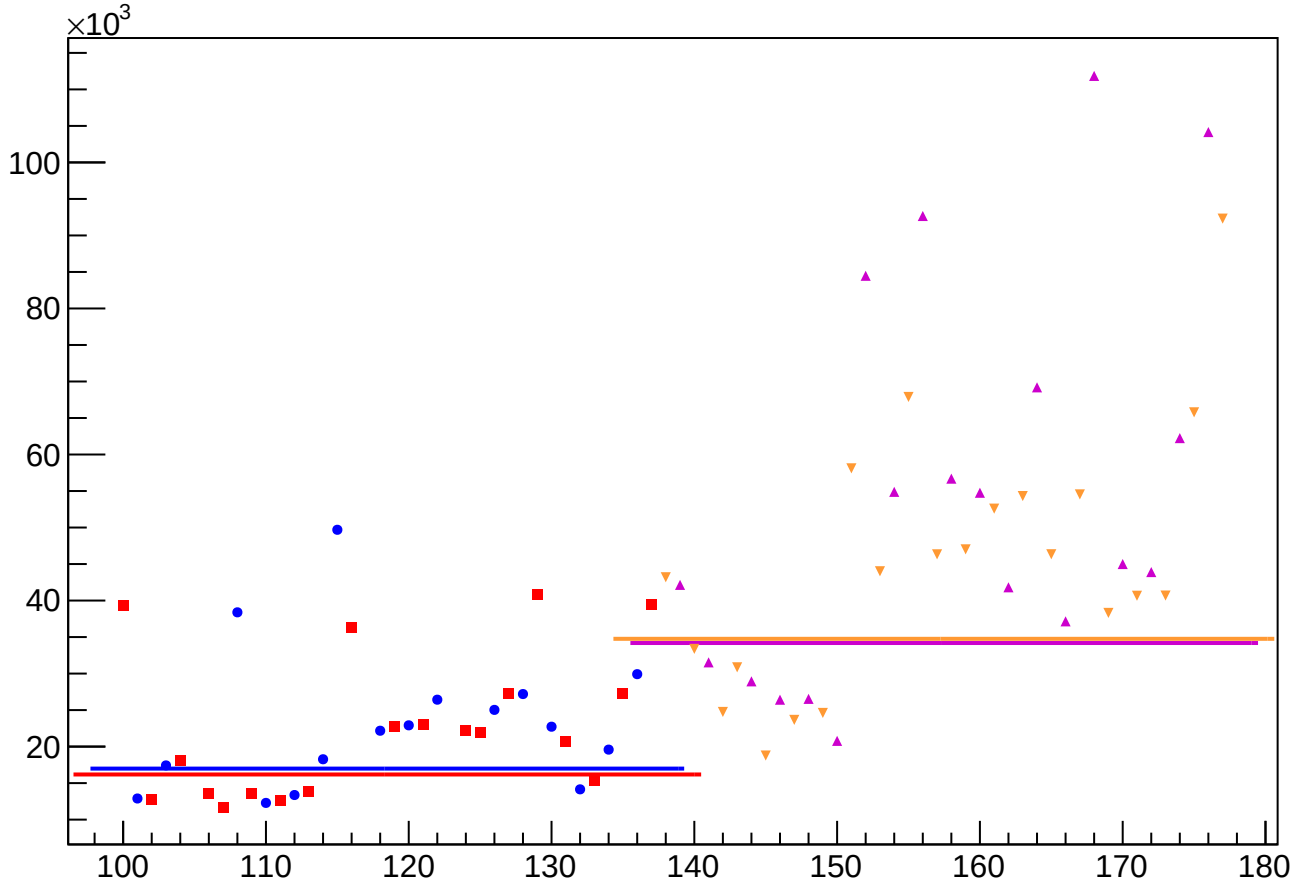
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -8.806+/-11.408 χ^2/NDF:15.2/18

+ sign -2.918+/-5.964 χ^2/NDF: 35.3/36

All: -2.953+/-4.165 χ^2/NDF: 73.9/74

- sign -2.986+/-5.820 χ^2/NDF: 38.6/37



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 34760.379+/-7.235 χ^2/NDF:3507493.5/20

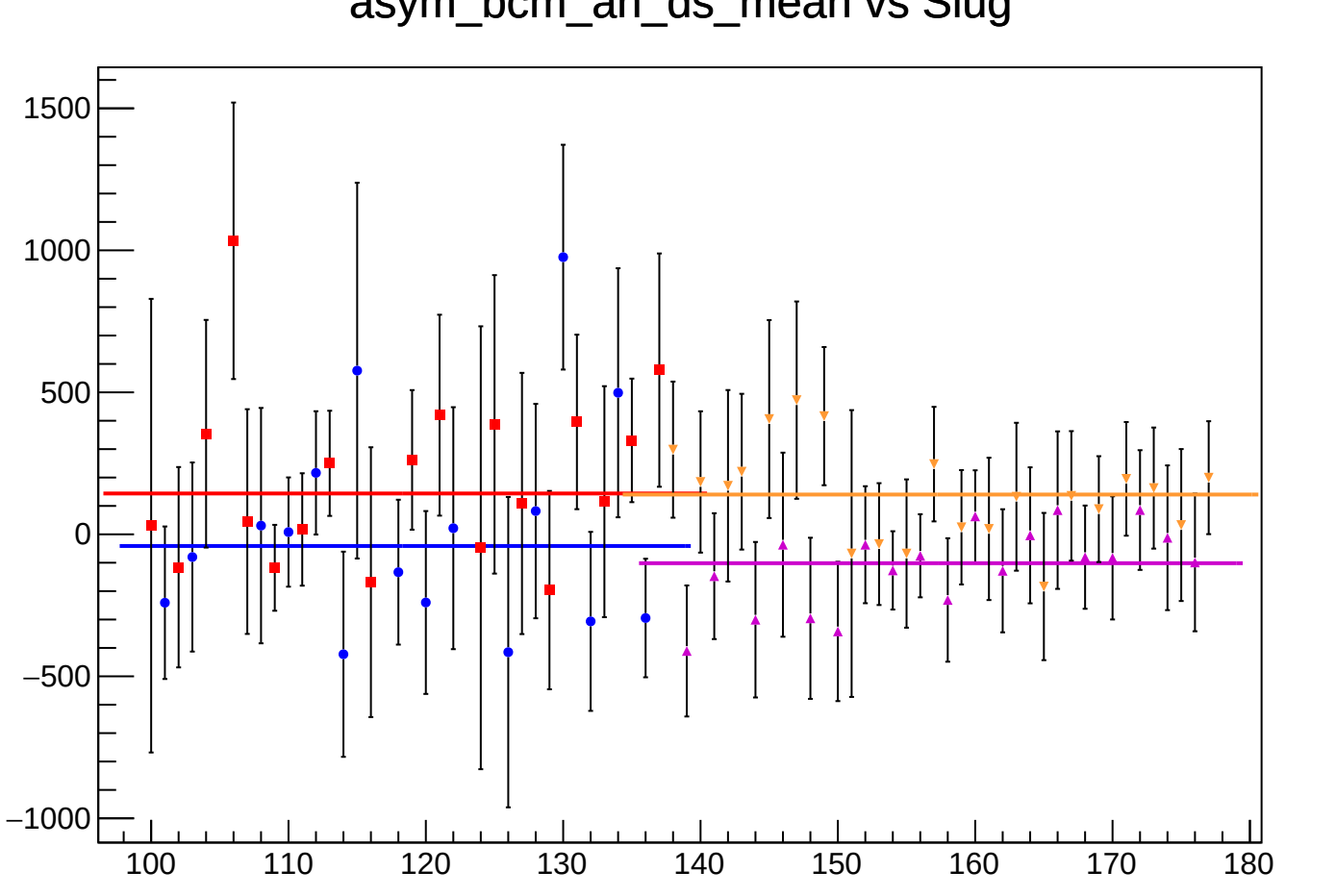
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 34184.474+/-8.067 χ^2/NDF:3332544.4/18

+ sign 23026.027+/-4.217 χ^2/NDF: 8686322.4/36

All: 21920.402+/-2.945 χ^2/NDF: 17088668.6

- sign 20867.535+/-4.115 χ^2/NDF: 8268166.0/37



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 140.100+/-52.818 χ^2/NDF:7.6/20

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

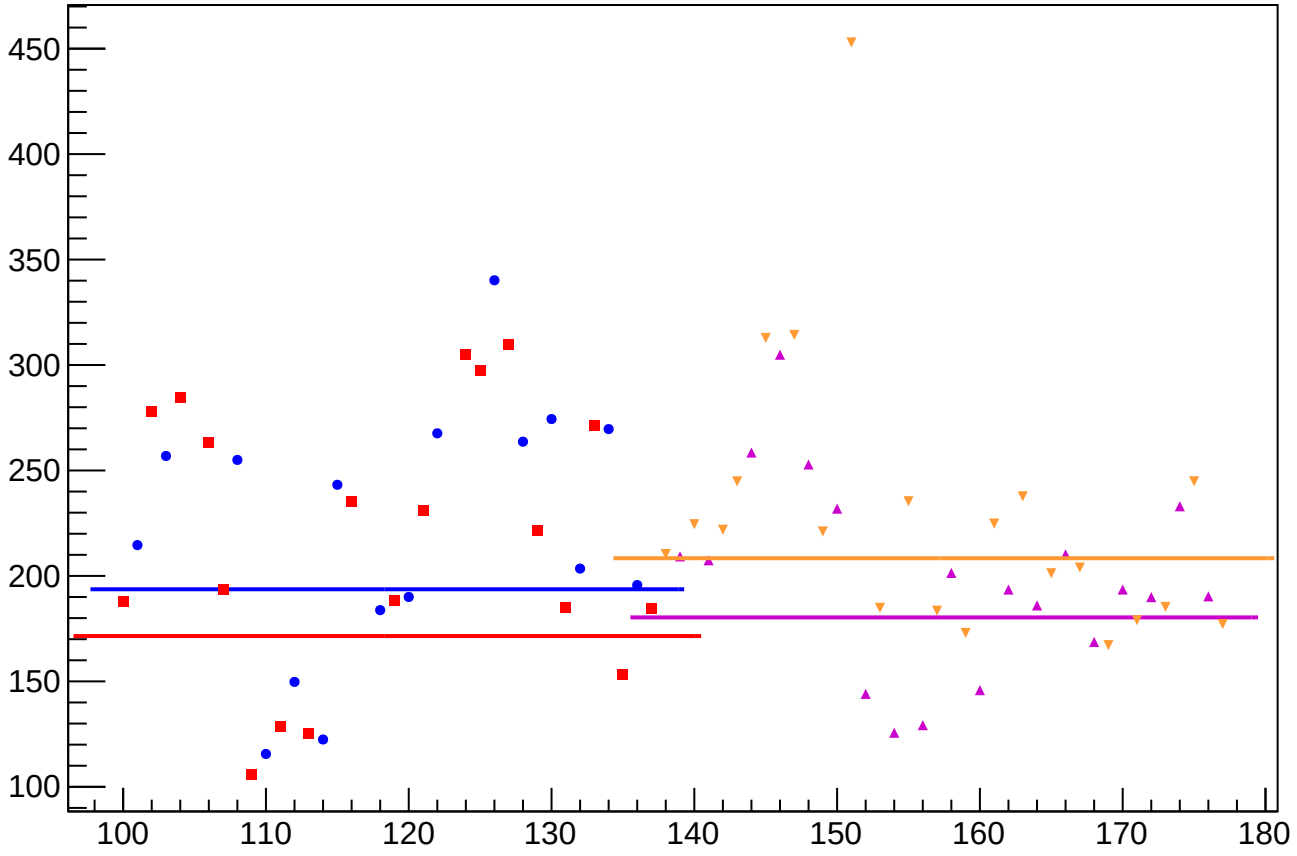
Left In: -101.651+/-48.155 χ^2/NDF:7.0/18

+ sign 81.267+/-43.401 χ^2/NDF: 26.9/36

All: 25.756+/-29.137 χ^2/NDF: 58.5/74

- sign -19.793+/-39.314 χ^2/NDF: 28.6/37

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 208.394+/-0.037 χ^2/NDF:1311892.9/20

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

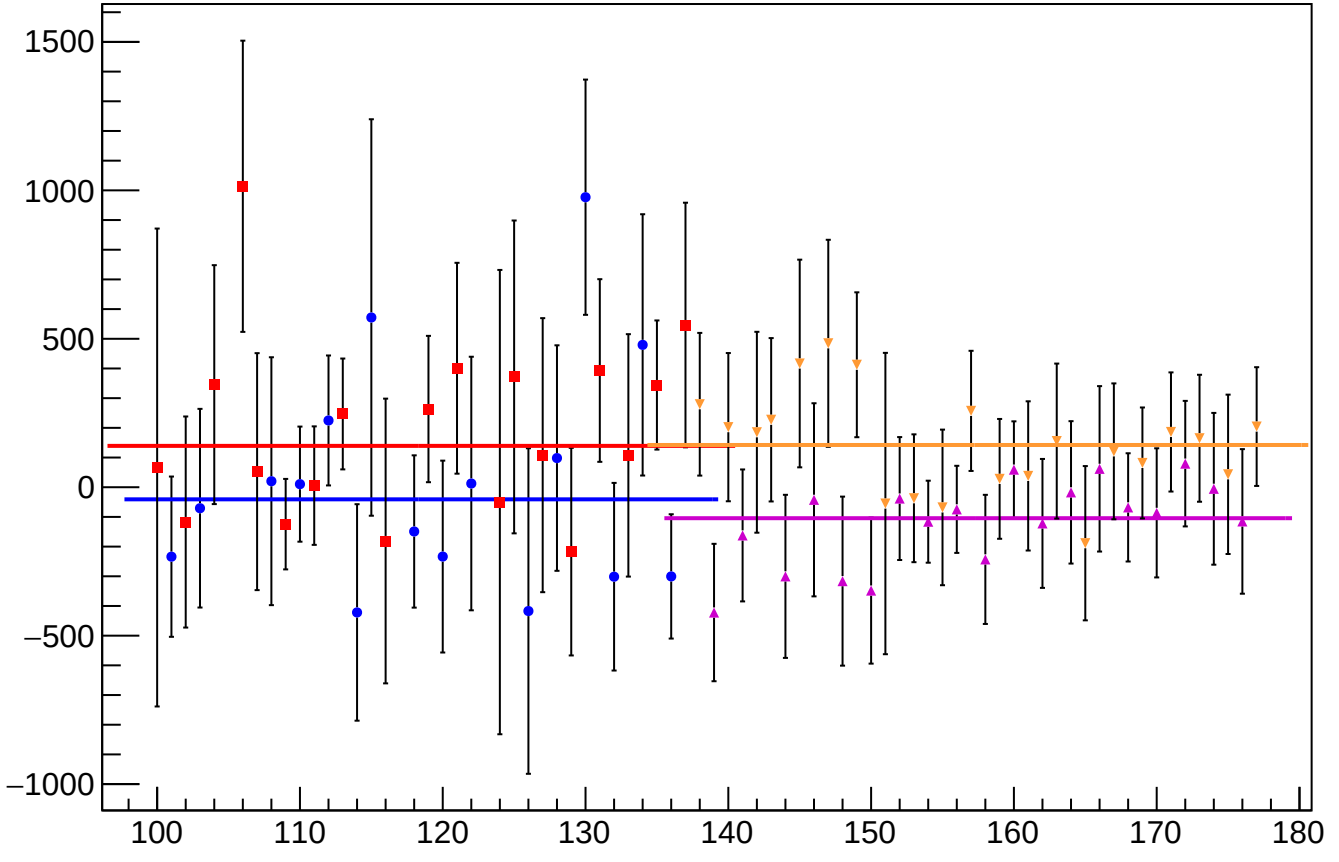
Left In: 180.332+/-0.034 χ^2/NDF:1608671.6/18

+ sign 203.612+/-0.031 χ^2/NDF: 2412143.3/36

All: 189.204+/-0.021 χ^2/NDF: 6097606.5/74

- sign 177.381+/-0.028 χ^2/NDF: 3284178.6/37

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 142.289+/-52.991 χ^2/NDF:7.6/20

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

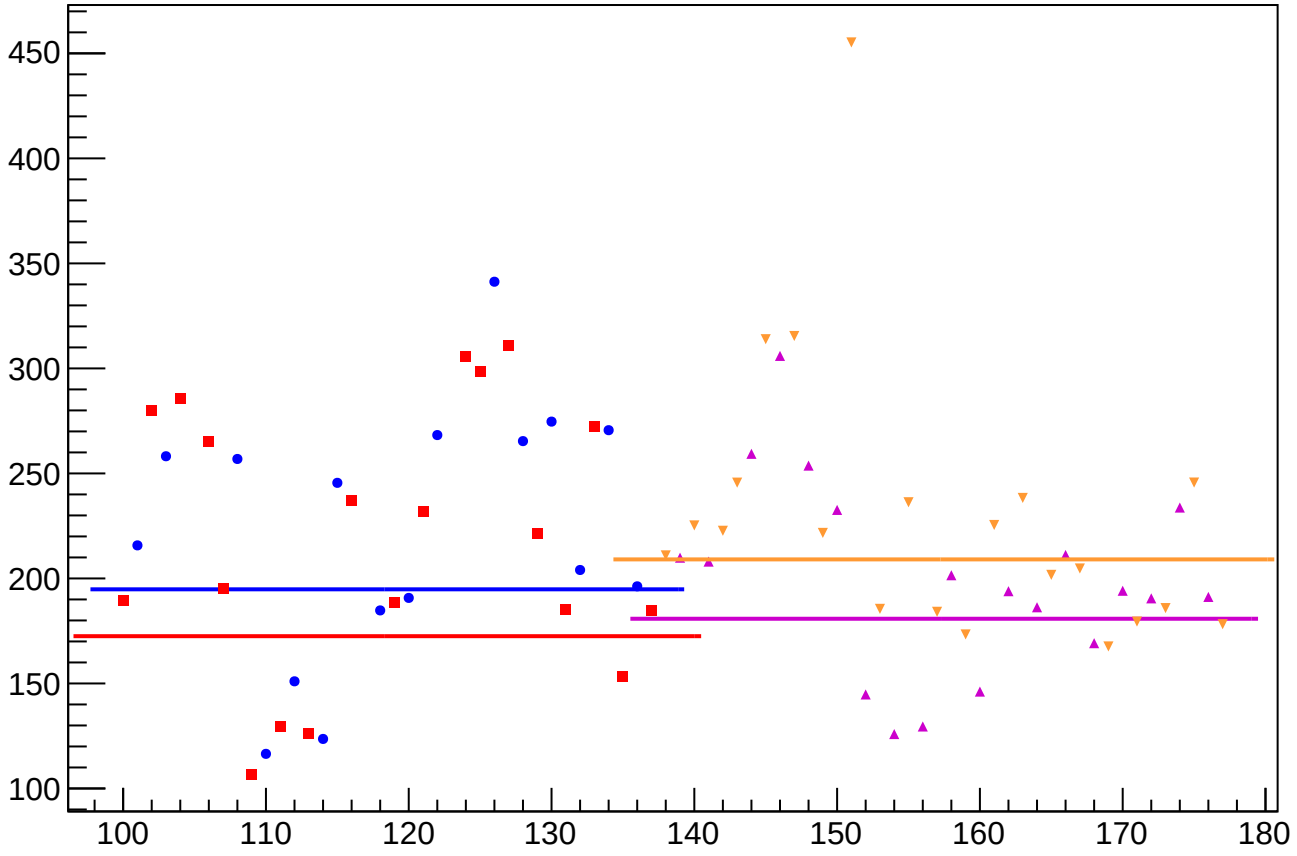
Left In: -104.334+/-48.287 χ^2/NDF:7.1/18

+ sign 83.007+/-43.576 χ^2/NDF: 26.9/36

All: 24.543+/-29.249 χ^2/NDF: 58.6/74

- sign -23.396+/-39.459 χ^2/NDF: 28.4/37

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 209.068+/-0.037 χ^2/NDF:1313214.1/20

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

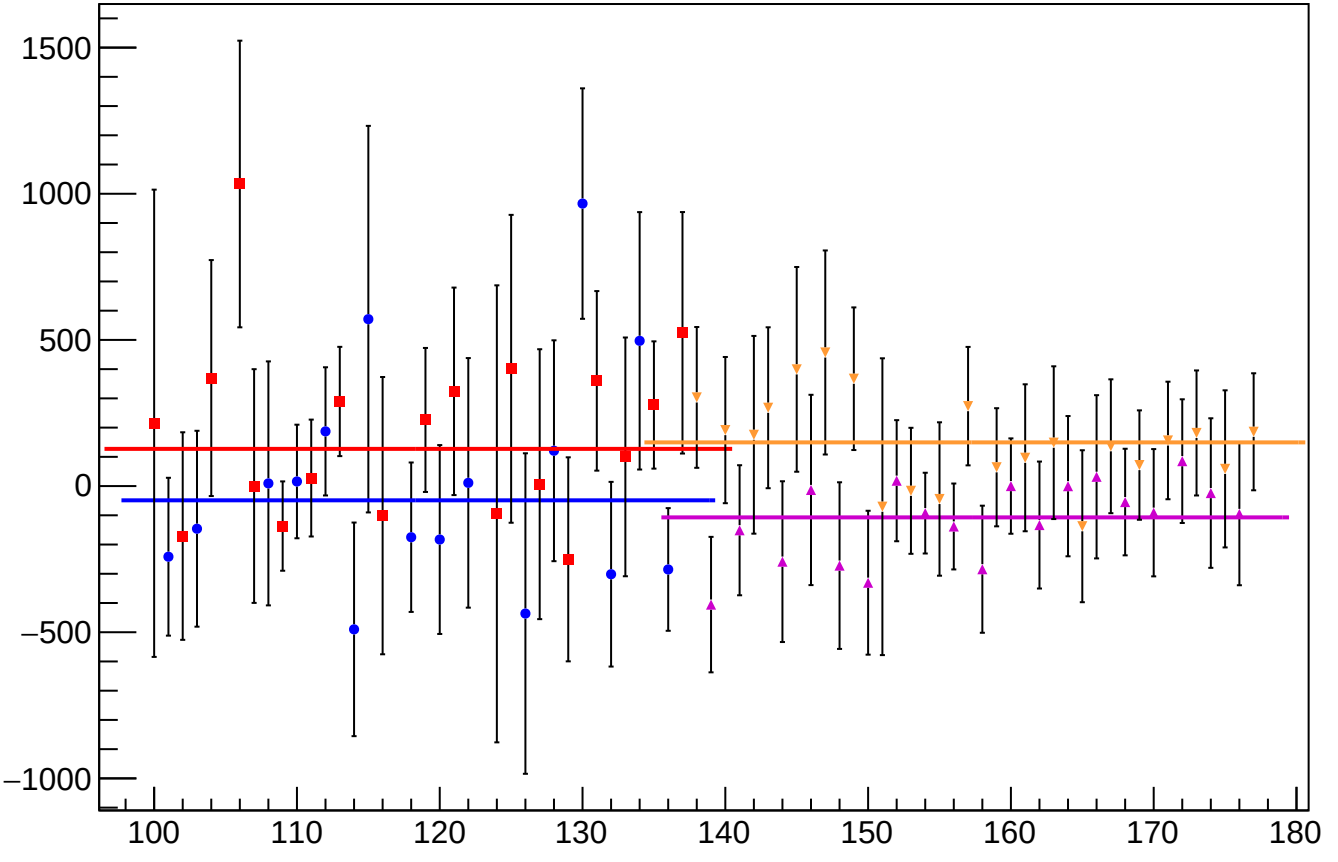
Left In: 180.808+/-0.034 χ^2/NDF:1612691.9/18

+ sign 204.454+/-0.031 χ^2/NDF: 2399130.4/36

All: 189.946+/-0.021 χ^2/NDF: 6077000.9/74

- sign 178.050+/-0.028 χ^2/NDF: 3274387.9/37

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 149.444+/-53.043 χ^2/NDF:6.2/20

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

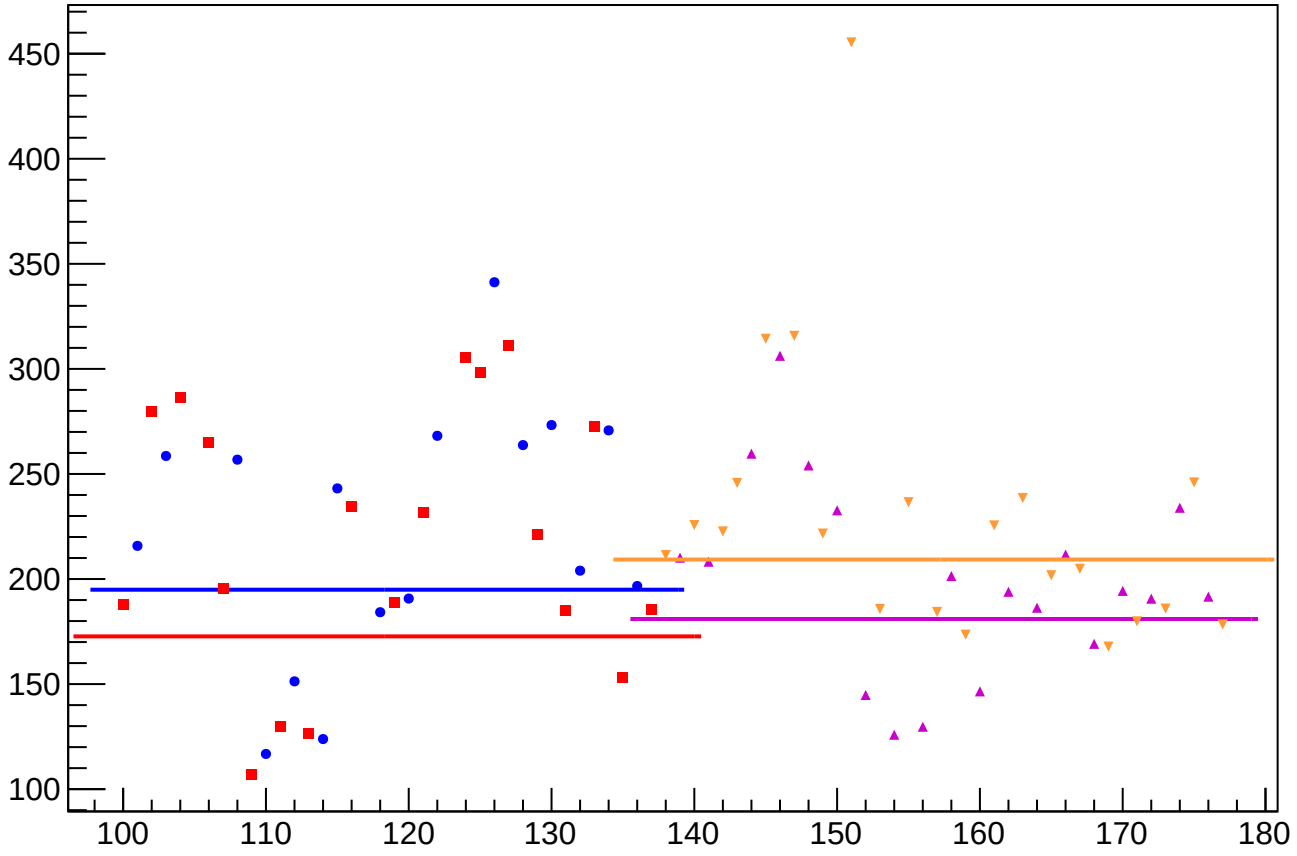
Left In: -107.099+/-48.331 χ^2/NDF:6.2/18

+ sign 85.199+/-43.607 χ^2/NDF: 26.2/36

All: 22.337+/-29.272 χ^2/NDF: 56.8/74

- sign -29.220+/-39.492 χ^2/NDF: 26.9/37

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 209.279+/-0.038 χ^2/NDF:1311816.0/20

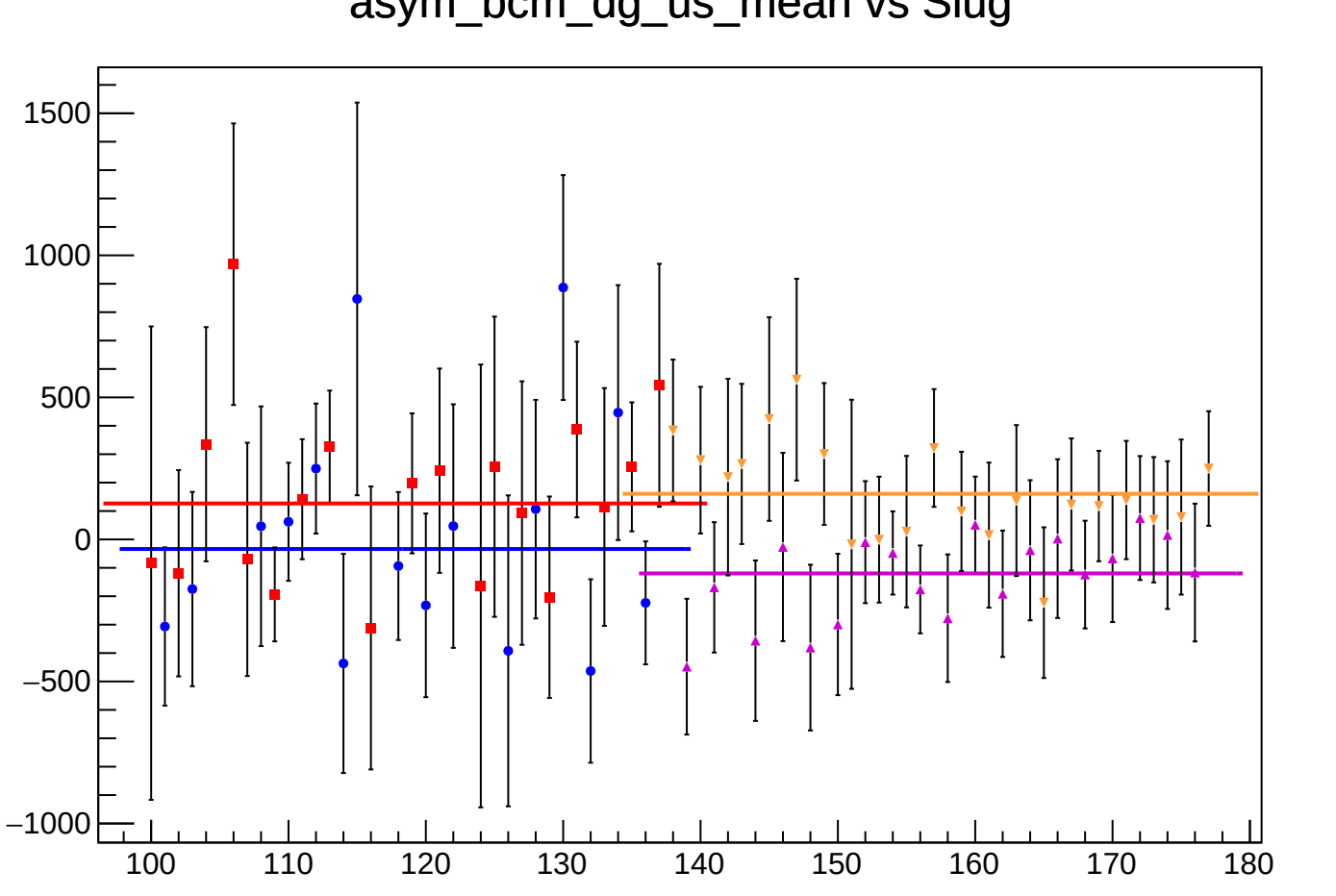
Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.975+/-0.034 χ^2/NDF:1612561.0/18

+ sign 204.625+/-0.031 χ^2/NDF: 2388207.8/36

All: 190.122+/-0.021 χ^2/NDF: 6054293.3/74

- sign 178.226+/-0.028 χ^2/NDF: 3263374.8/37



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 160.664+/-54.360 χ^2/NDF:7.9/20

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

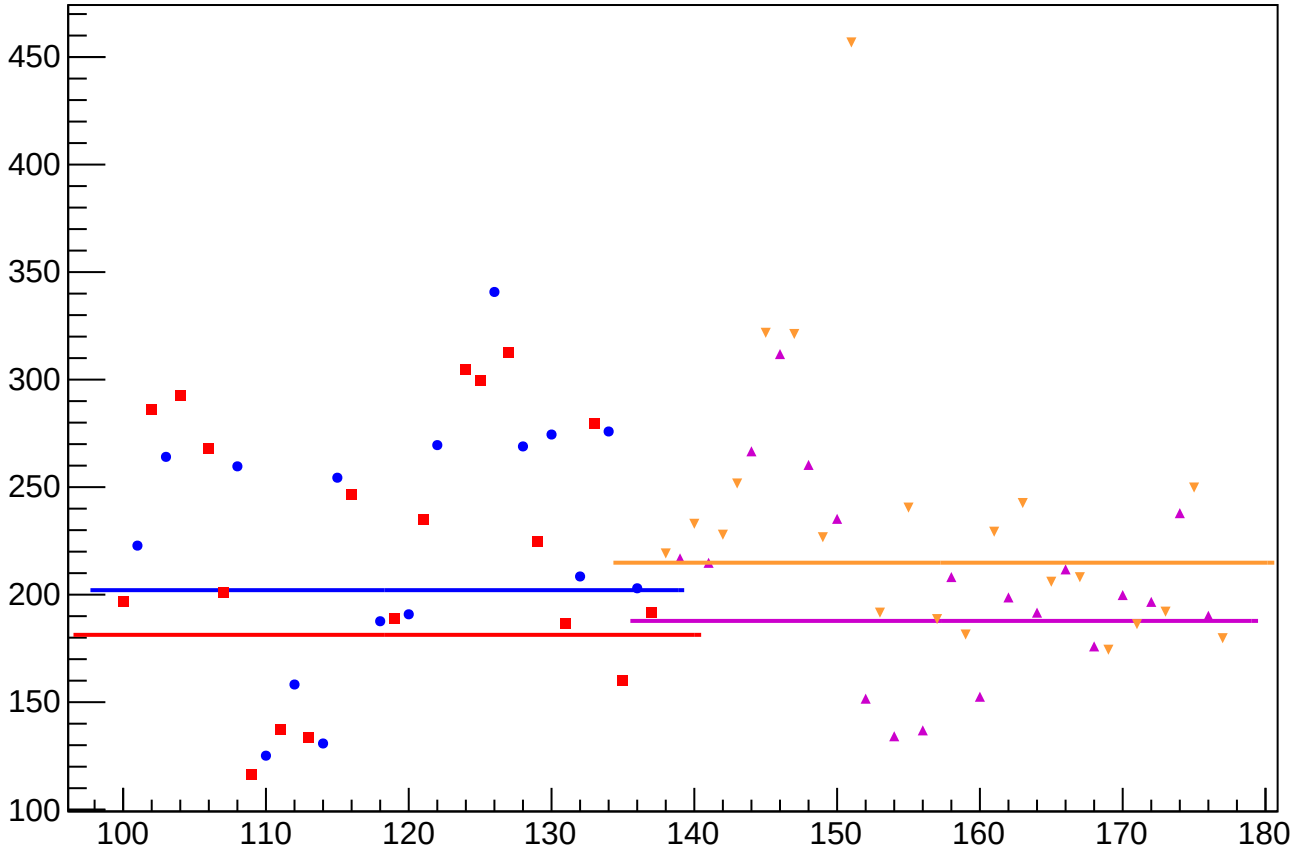
Left In: -119.713+/-49.951 χ^2/NDF:7.7/18

+ sign 98.193+/-44.782 χ^2/NDF: 27.7/36

All: 23.606+/-30.205 χ^2/NDF: 61.2/74

- sign -38.647+/-40.912 χ^2/NDF: 28.4/37

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 214.865+/-0.038 χ^2/NDF:1255663.5/20

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

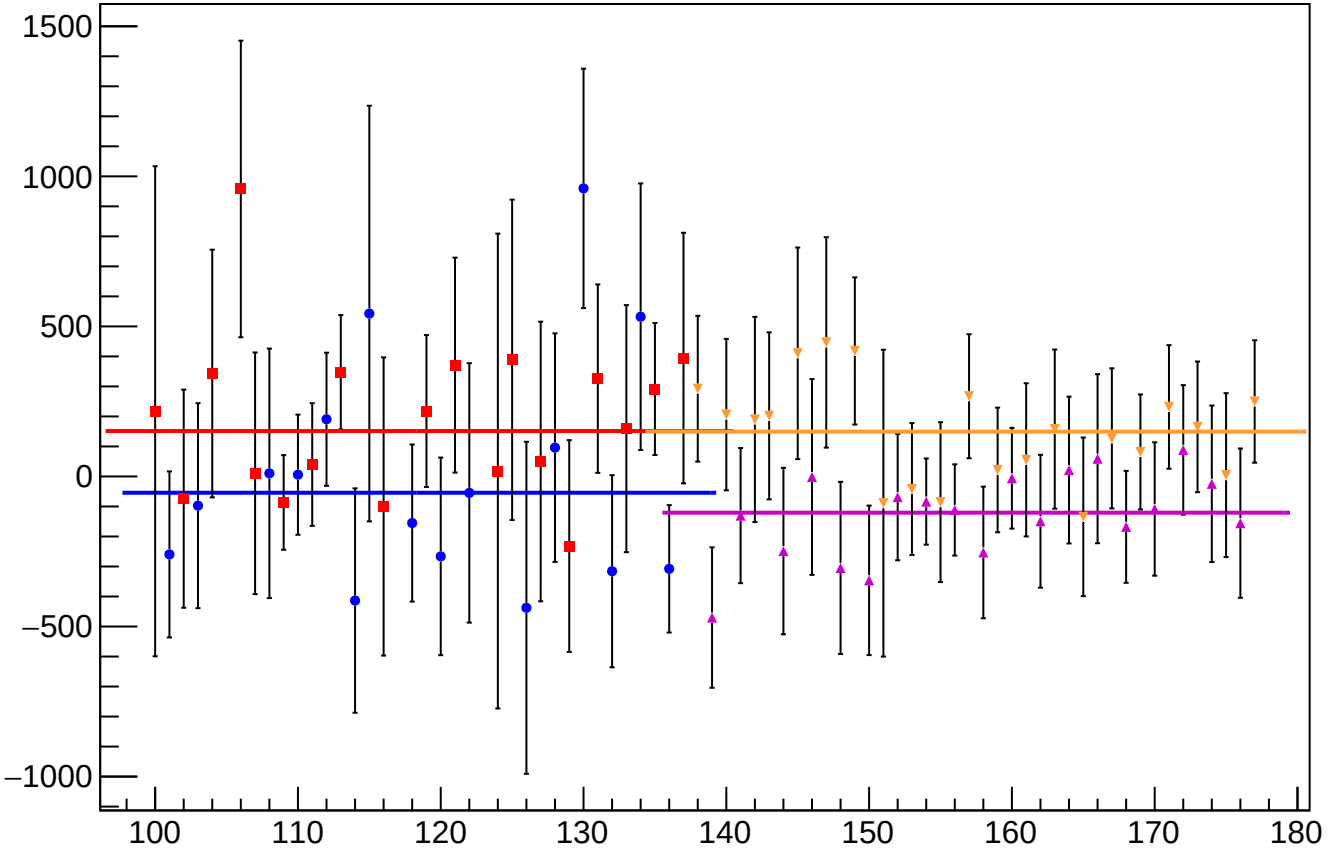
Left In: 187.793+/-0.035 χ^2/NDF:1446047.2/18

+ sign 210.760+/-0.032 χ^2/NDF: 2201417.8/36

All: 197.079+/-0.021 χ^2/NDF: 5441995.7/74

- sign 185.660+/-0.029 χ^2/NDF: 2898120.1/37

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 149.526+/-53.923 χ^2/NDF:7.5/20

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

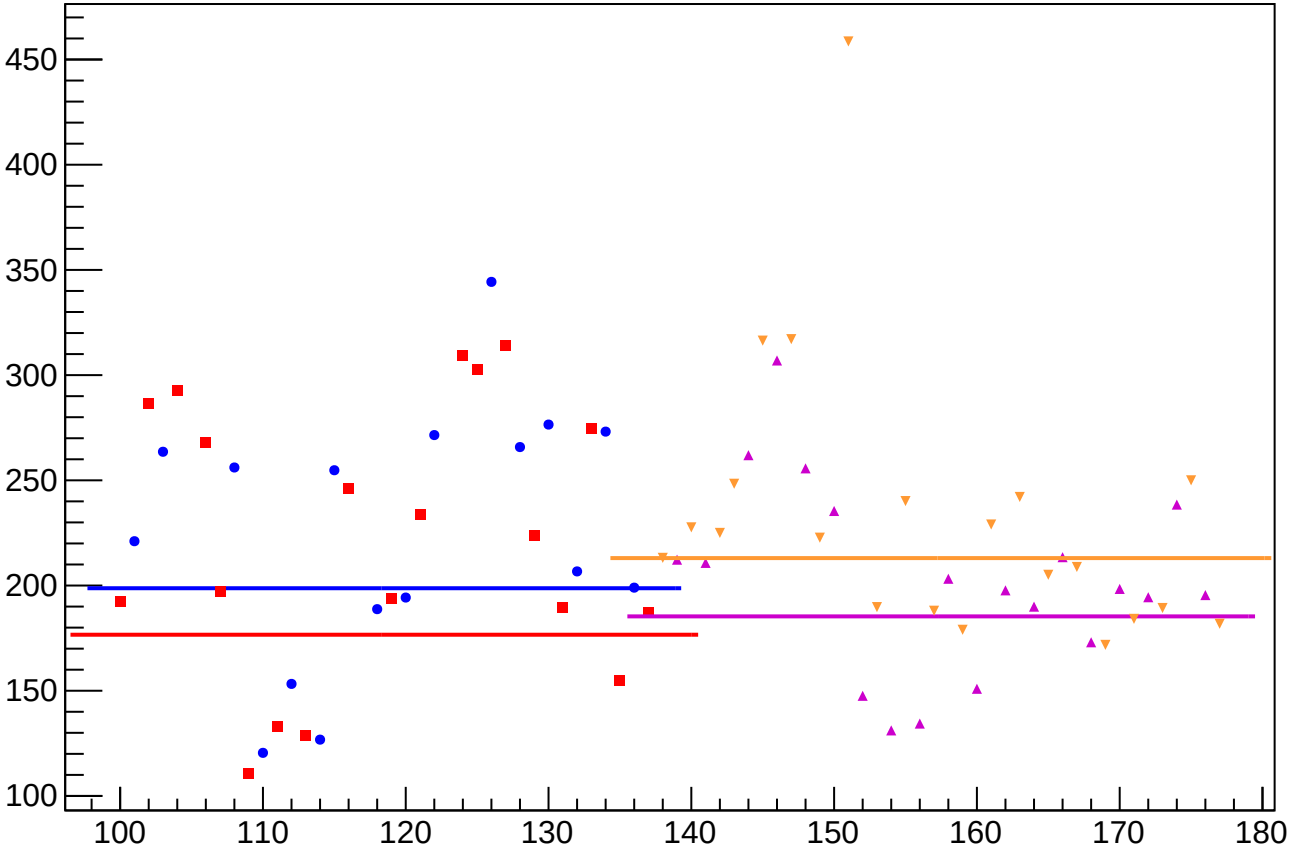
Left In: -120.705+/-49.365 χ^2/NDF:6.7/18

+ sign 83.567+/-44.346 χ^2/NDF: 27.2/36

All: 21.308+/-29.834 χ^2/NDF: 57.8/74

- sign -30.170+/-40.324 χ^2/NDF: 27.0/37

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 213.040+/-0.038 χ^2/NDF:1254069.6/20

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

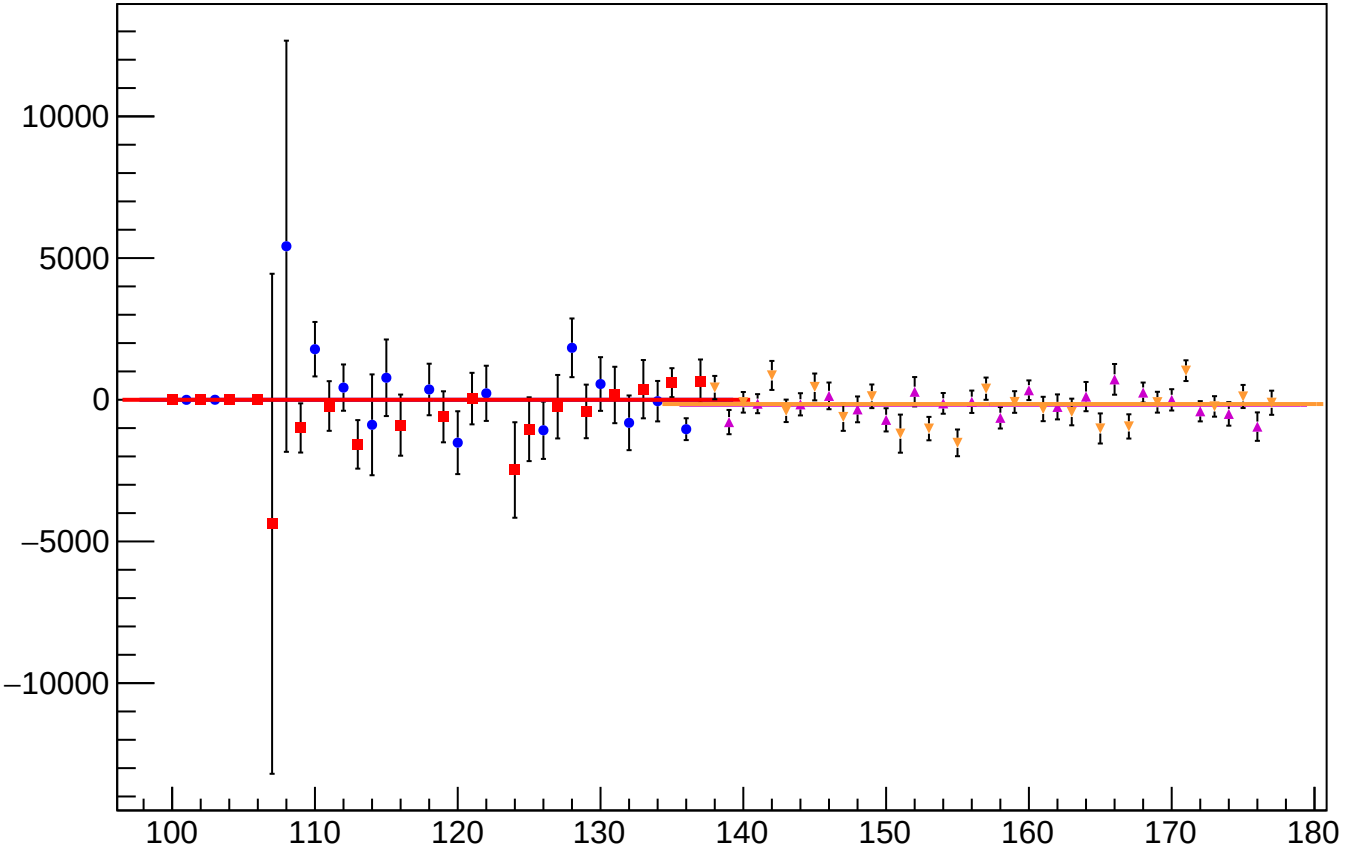
Left In: 185.339+/-0.035 χ^2/NDF:1487225.5/18

+ sign 208.405+/-0.031 χ^2/NDF: 2293805.0/36

All: 194.191+/-0.021 χ^2/NDF: 5772872.5/74

- sign 182.438+/-0.029 χ^2/NDF: 3103688.5/37

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -151.439+/-92.491 χ^2/NDF:43.8/20

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

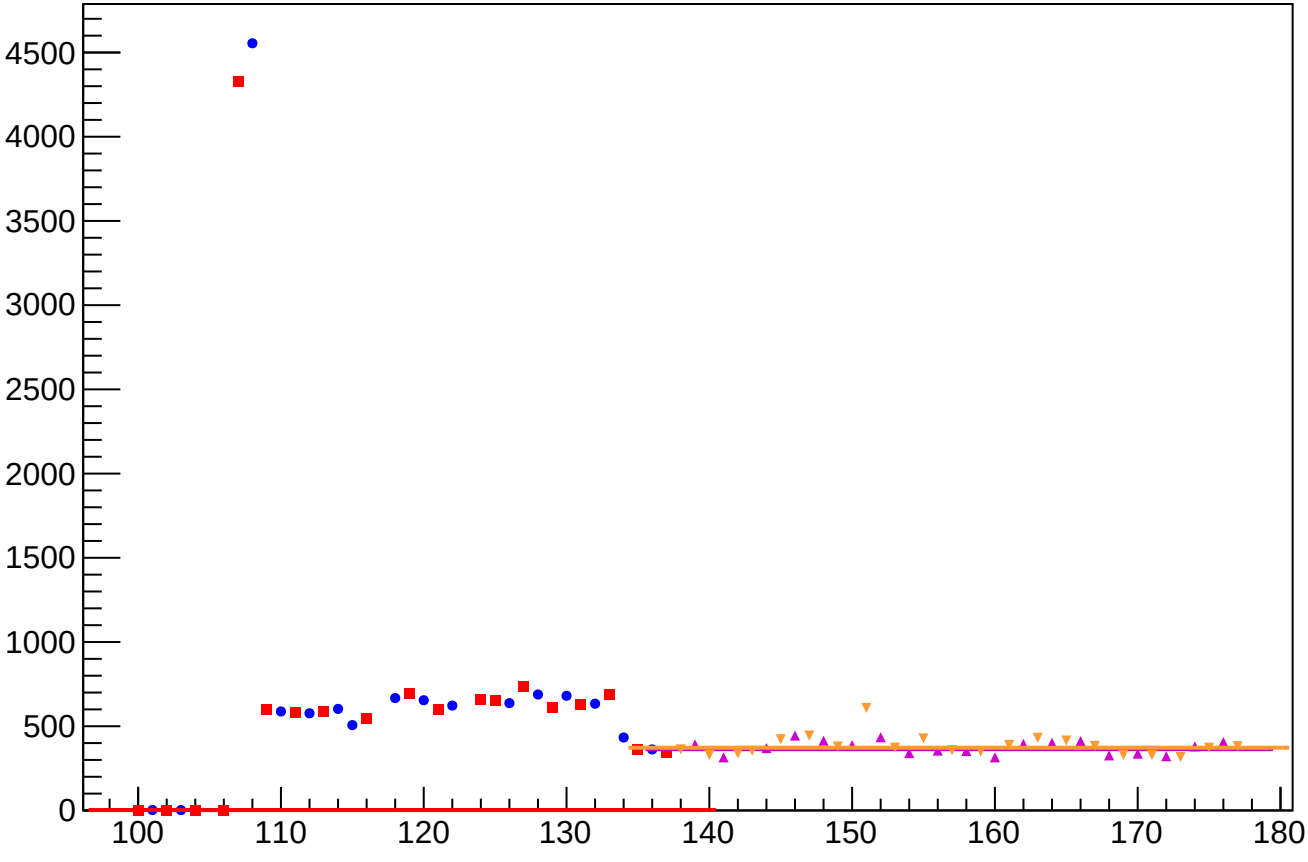
Left In: -175.636+/-93.653 χ^2/NDF:17.0/18

+ sign -1.322+/-2.170 χ^2/NDF: 66.4/36

All: -1.395+/-1.479 χ^2/NDF: 103.7/74

- sign -1.459+/-2.022 χ^2/NDF: 37.3/37

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 372.598+/-0.065 χ^2/NDF:543309.4/20

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

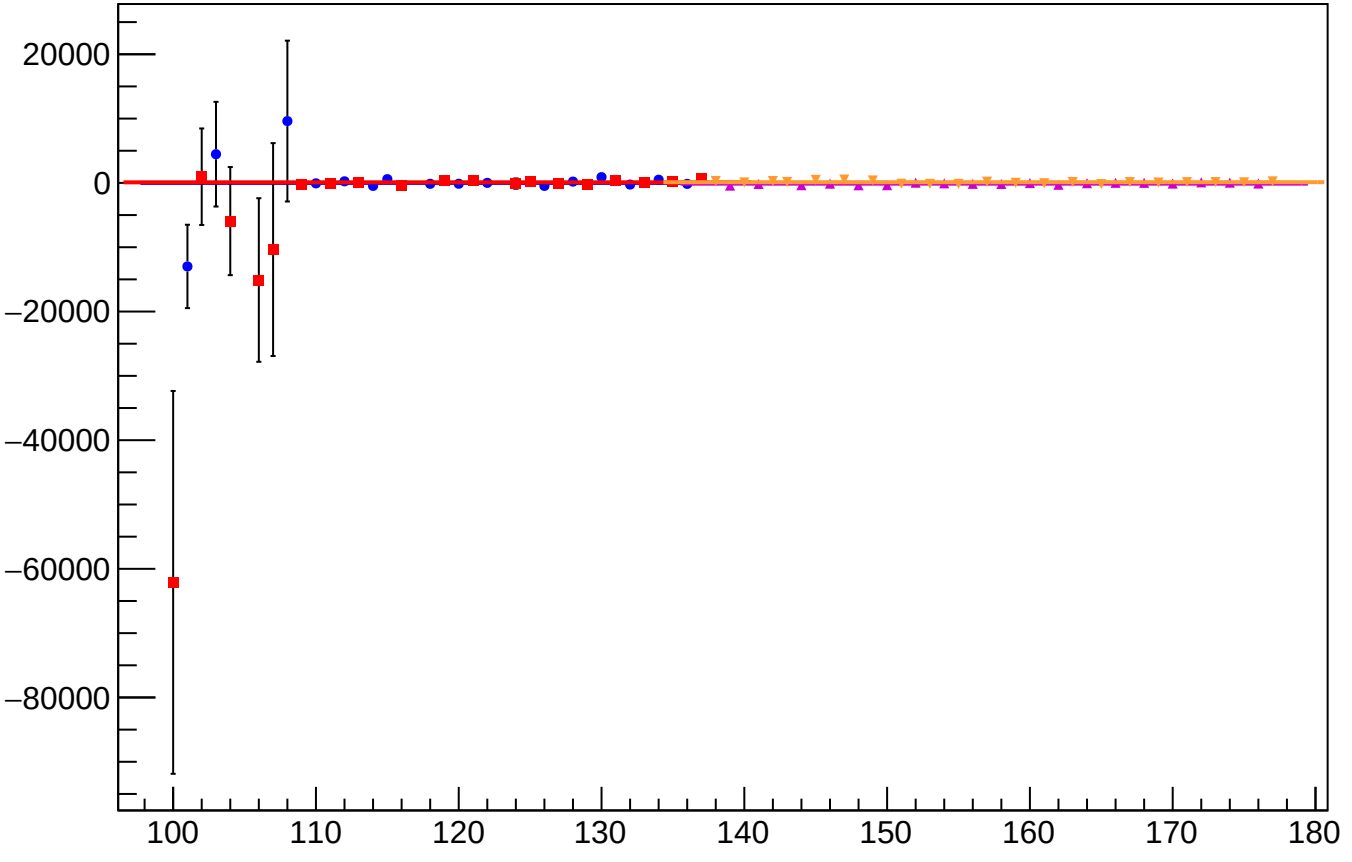
Left In: 363.741+/-0.066 χ^2/NDF:340207.2/18

\+ sign 2.681+/-0.002 χ^2/NDF: 44179339.6/36

All: 2.654+/-0.001 χ^2/NDF: 85814584.1/74

\- sign 2.631+/-0.001 χ^2/NDF: 41634678.0/37

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 112.900+/-55.593 χ^2/NDF:8.8/20

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

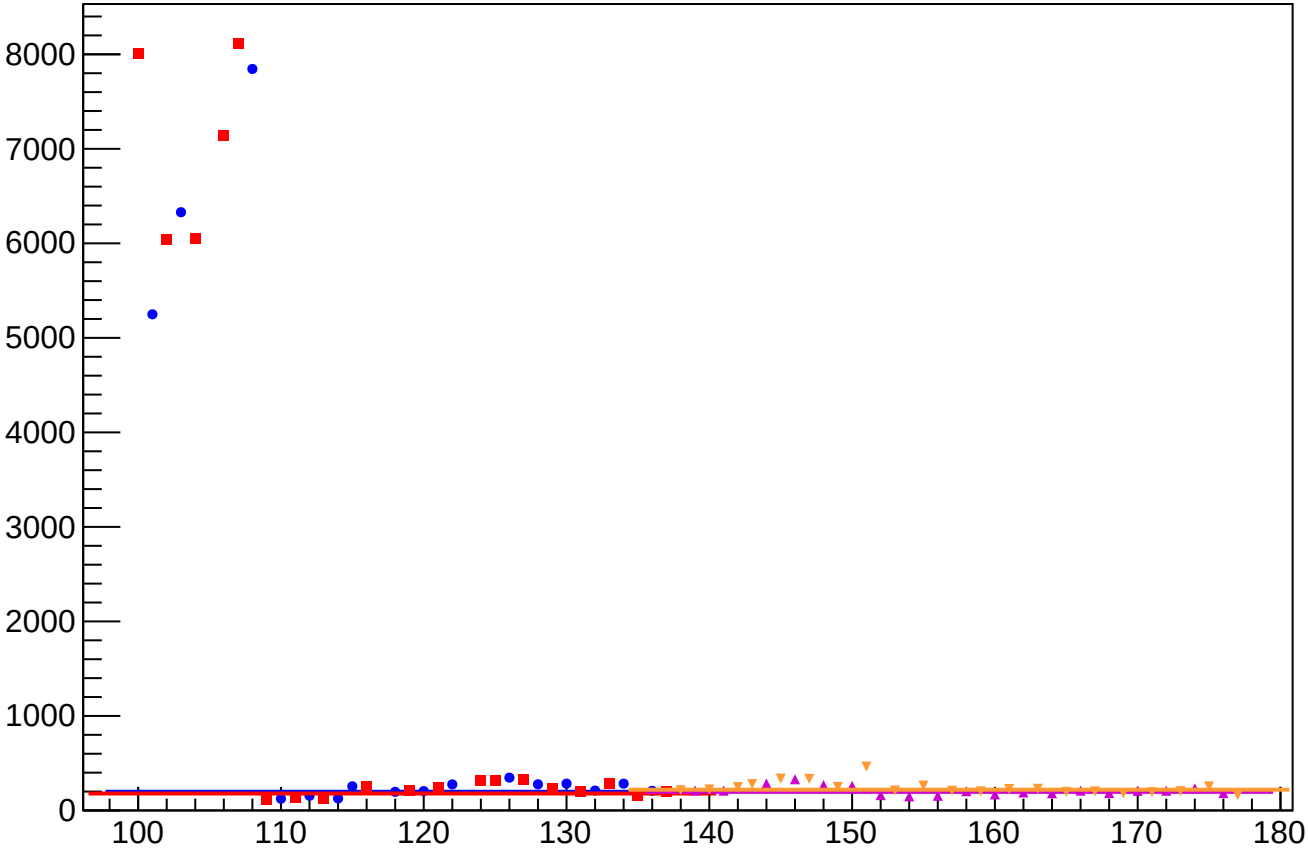
Left In: -114.861+/-52.079 χ^2/NDF:7.2/18

+ sign 80.767+/-46.973 χ^2/NDF: 26.8/36

All: 7.698+/-32.074 χ^2/NDF: 57.8/74

- sign -56.125+/-43.901 χ^2/NDF: 26.4/37

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 219.500+/-0.039 χ^2/NDF:1377635.8/20

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

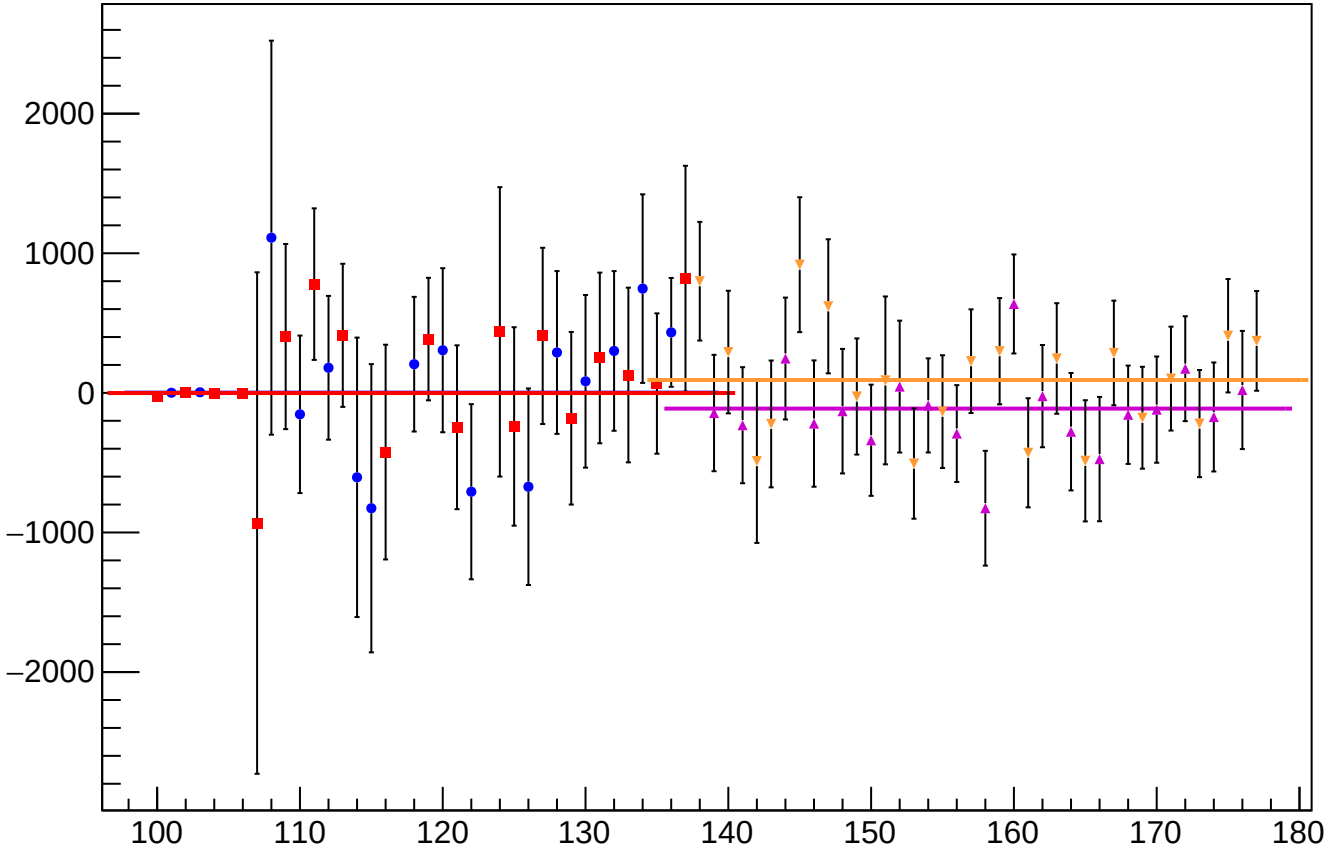
Left In: 196.985+/-0.037 χ^2/NDF:1143064.5/18

+ sign 213.241+/-0.033 χ^2/NDF: 5423460.2/36

All: 201.824+/-0.023 χ^2/NDF: 11273413.2/74

- sign 191.852+/-0.031 χ^2/NDF: 5628611.1/37

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 91.935+/-90.132 χ^2/NDF:18.1/20

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

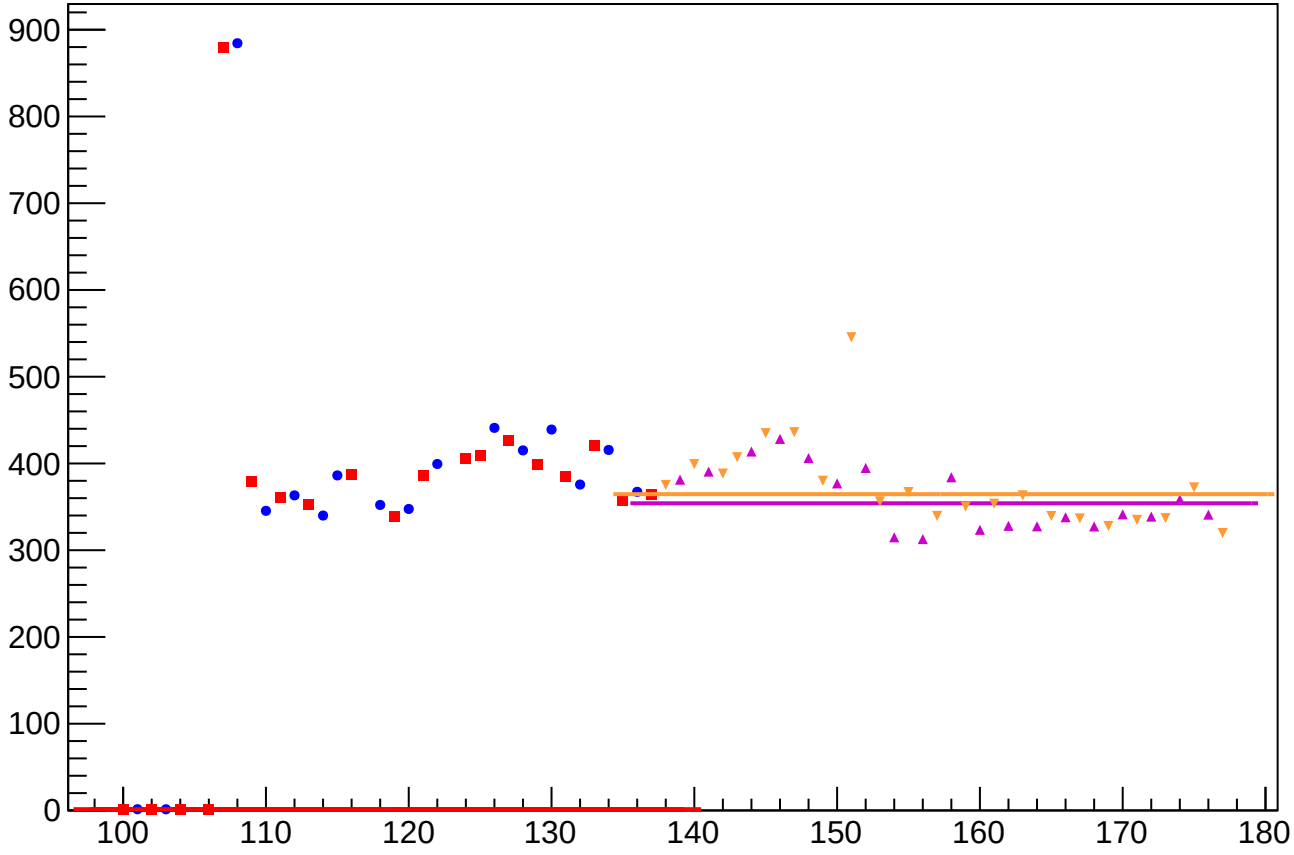
Left In: -112.669+/-90.975 χ^2/NDF:10.6/18

+ sign 1.486+/-1.660 χ^2/NDF: 27.0/36

All: 0.072+/-1.124 χ^2/NDF: 49.6/74

- sign -1.125+/-1.528 χ^2/NDF: 21.3/37

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 364.625+/-0.064 χ^2/NDF:412826.0/20

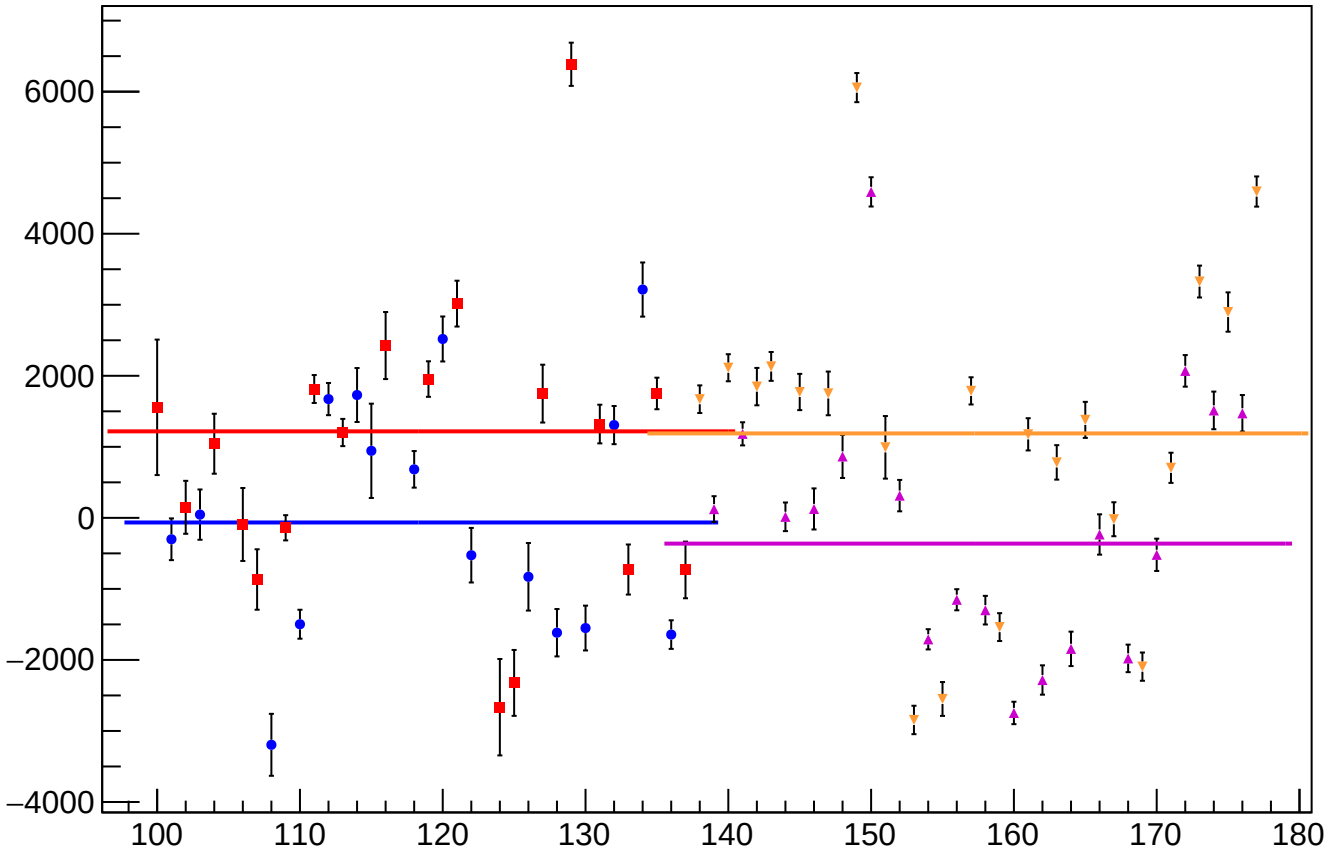
Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 354.118+/-0.064 χ^2/NDF:284769.8/18

+ sign 1.593+/-0.001 χ^2/NDF: 44605336.2/36

All: 1.579+/-0.001 χ^2/NDF: 86204671.3/74

- sign 1.567+/-0.001 χ^2/NDF: 41599053.3/37



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1188.792+/-49.071 χ^2/NDF:2177.7/20

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

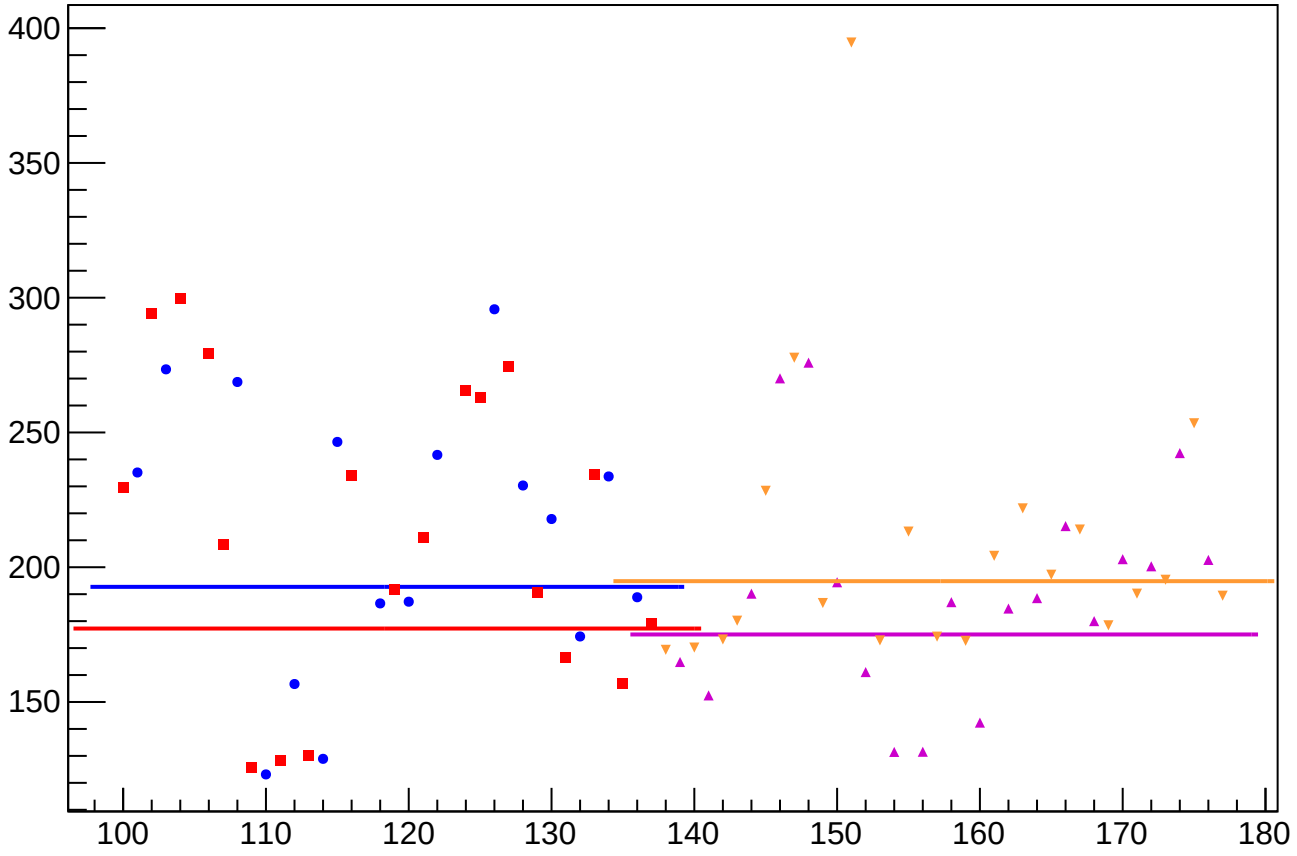
Left In: -362.510+/-46.262 χ^2/NDF:1489.5/18

\+ sign 812.214+/-41.046 χ^2/NDF: 2843.2/36

All: 447.265+/-28.053 χ^2/NDF: 5437.4/74

\- sign 127.370+/-38.429 χ^2/NDF: 2445.8/37

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.829+/-0.035 χ^2/NDF:917521.7/20

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

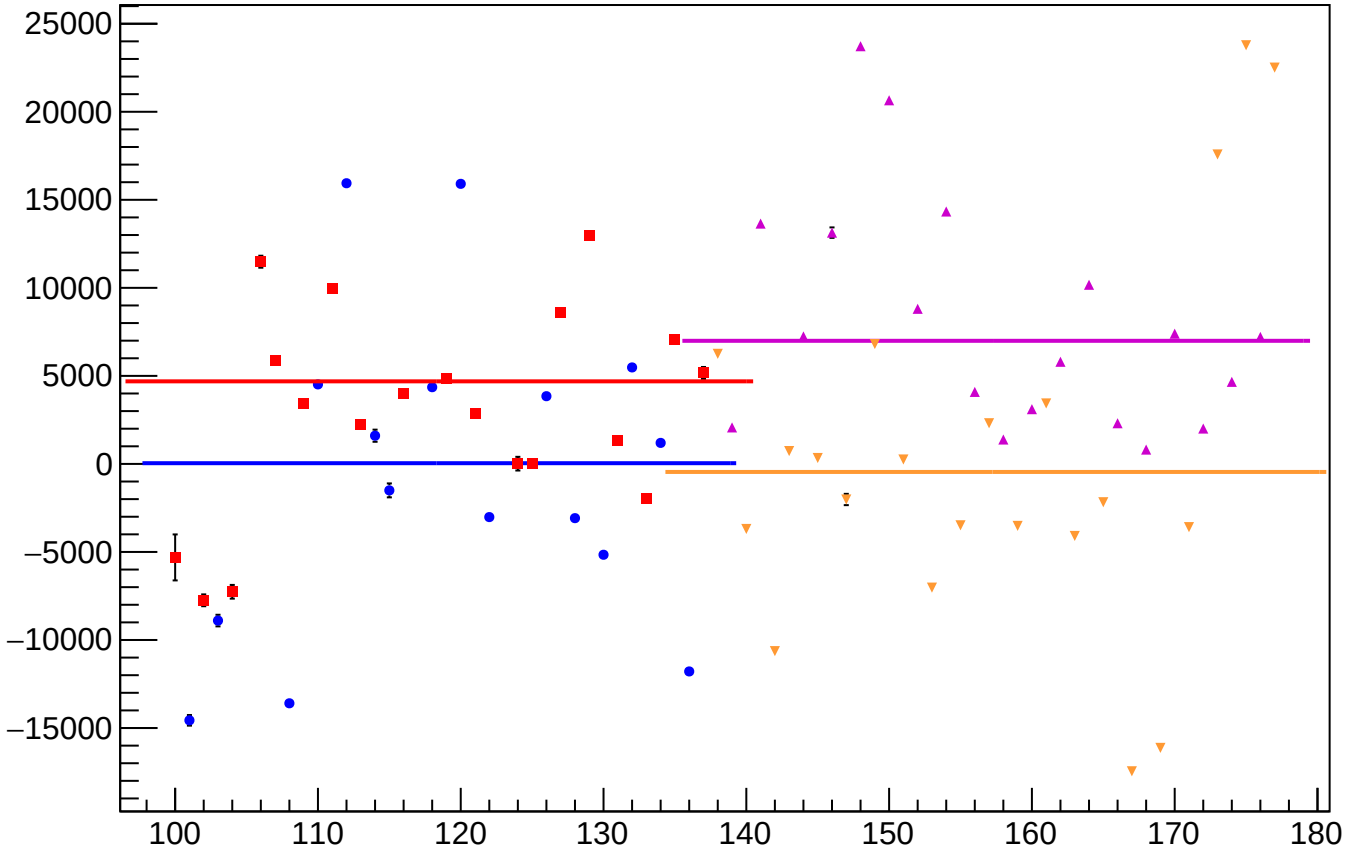
Left In: 175.052+/-0.033 χ^2/NDF:1231088.0/18

+ sign 194.195+/-0.029 χ^2/NDF: 1677778.3/36

All: 184.357+/-0.020 χ^2/NDF: 4352047.1/74

- sign 175.734+/-0.027 χ^2/NDF: 2458668.7/37

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -455.975+/-42.755 χ^2/NDF:54171.5/20

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

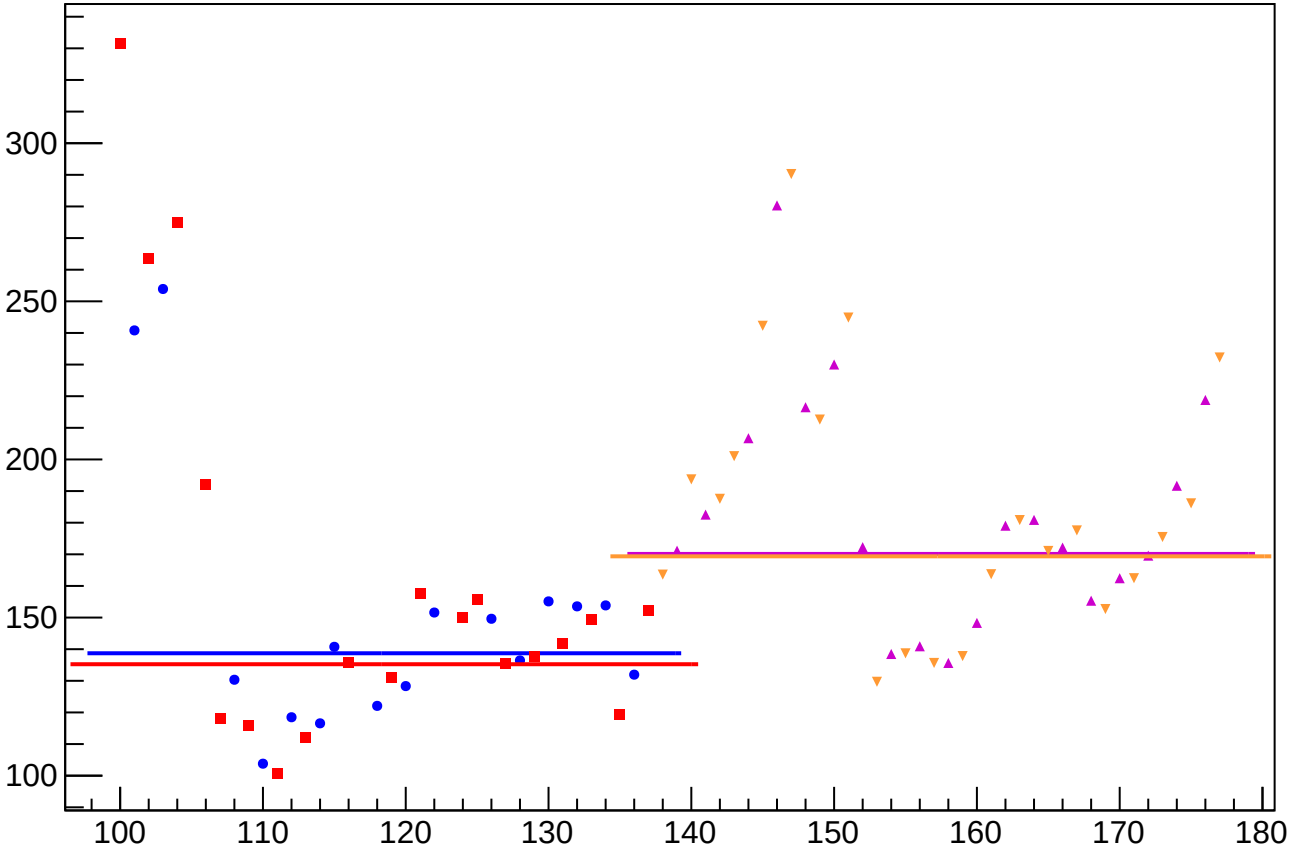
Left In: 6991.813+/-44.595 χ^2/NDF:17738.2/18

+ sign -265.372+/-33.568 χ^2/NDF: 85009.6/36

All: 2847.554+/-23.845 χ^2/NDF: 129029.8/74

- sign 6018.251+/-33.878 χ^2/NDF: 26660.8/37

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 169.364+/-0.030 χ^2/NDF:1299869.0/20

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

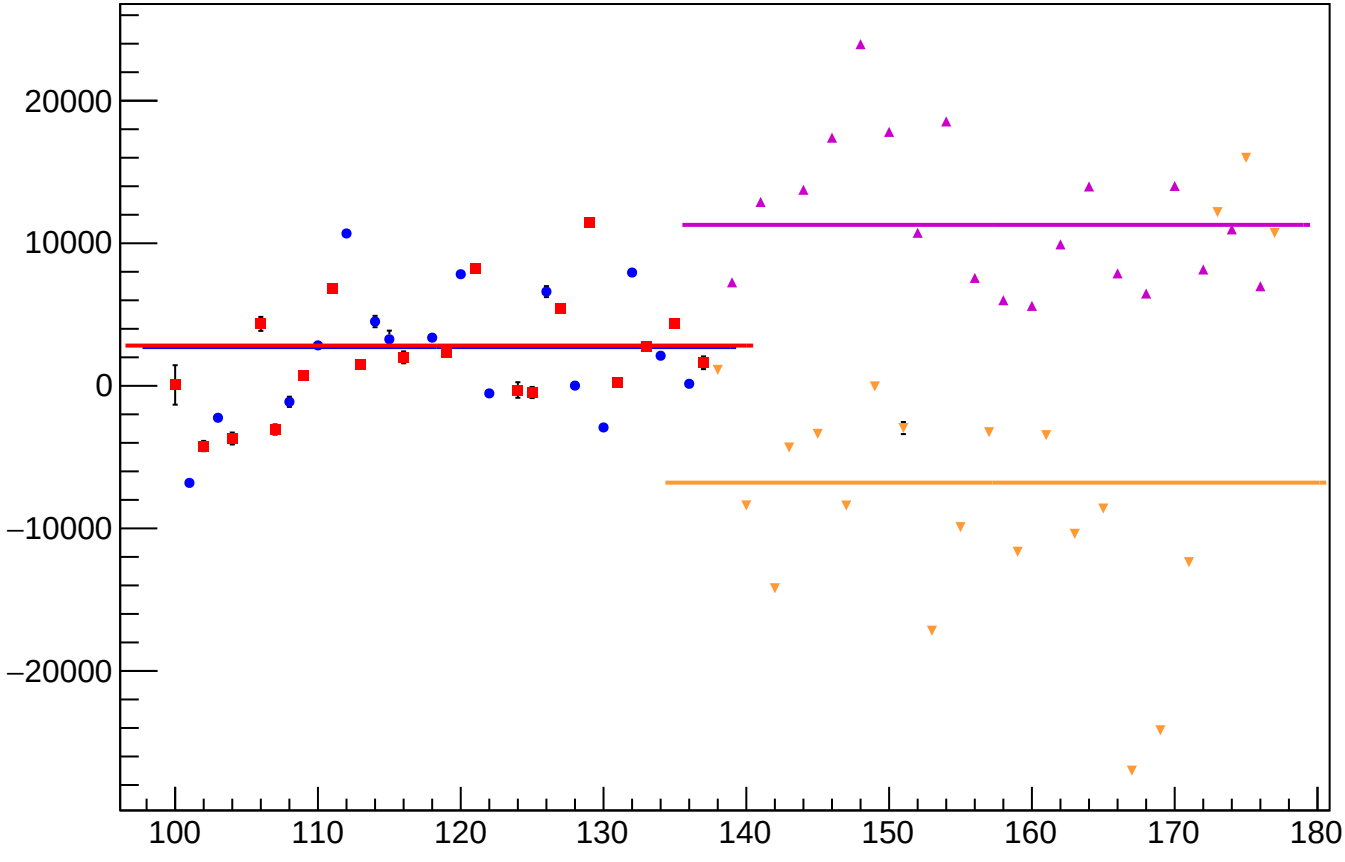
Left In: 170.120+/-0.032 χ^2/NDF:951737.9/18

+ sign 157.606+/-0.024 χ^2/NDF: 2351967.8/36

All: 156.499+/-0.017 χ^2/NDF: 4715391.3/74

- sign 155.372+/-0.024 χ^2/NDF: 2359033.1/37

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6790.881+/-49.614 χ^2/NDF:45703.1/20

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

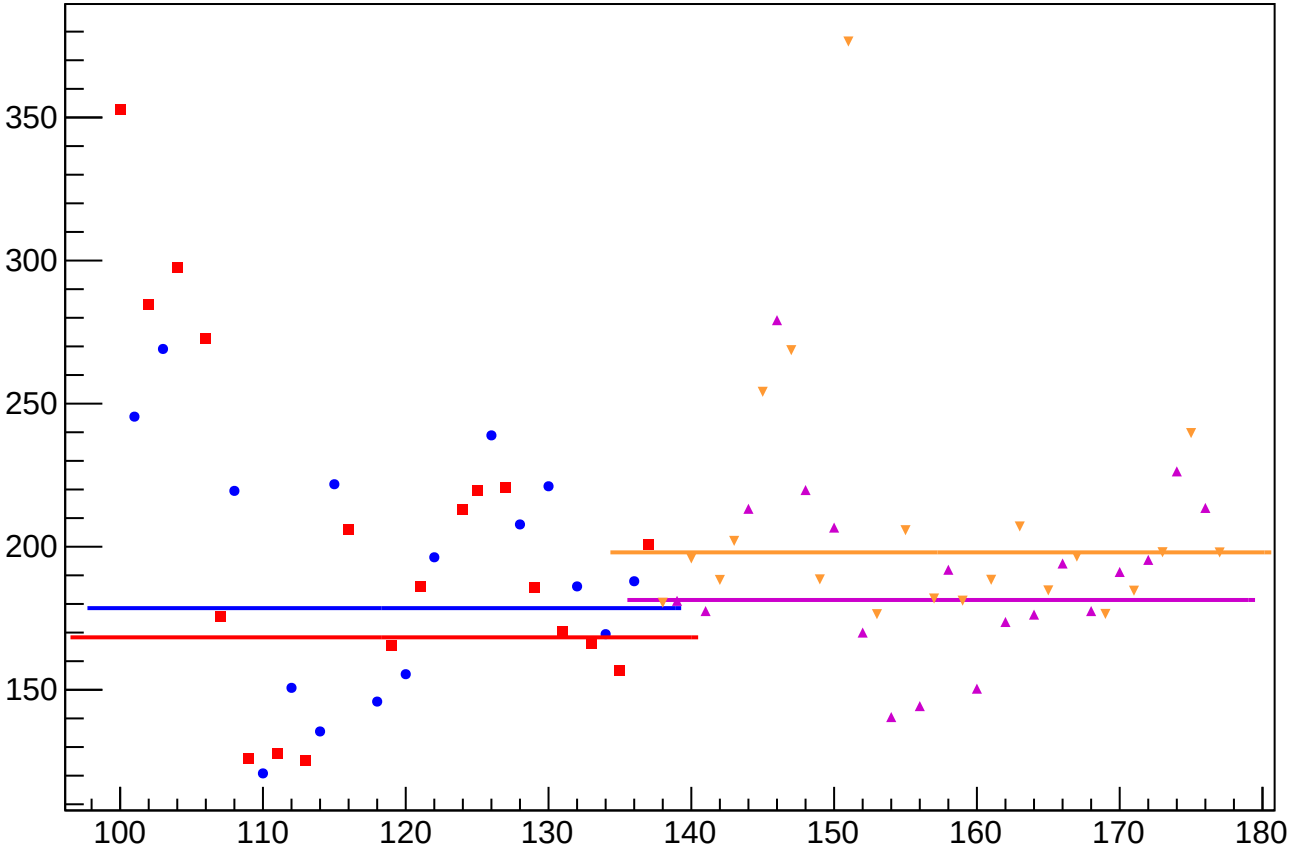
Left In: 11291.807+/-47.500 χ^2/NDF:10841.7/18

+ sign -3564.738+/-40.331 χ^2/NDF: 62297.5/36

All: 2689.115+/-27.780 χ^2/NDF: 133052.2/74

- sign 8335.019+/-38.320 χ^2/NDF: 25002.0/37

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.027+/-0.035 χ^2/NDF:716878.9/20

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

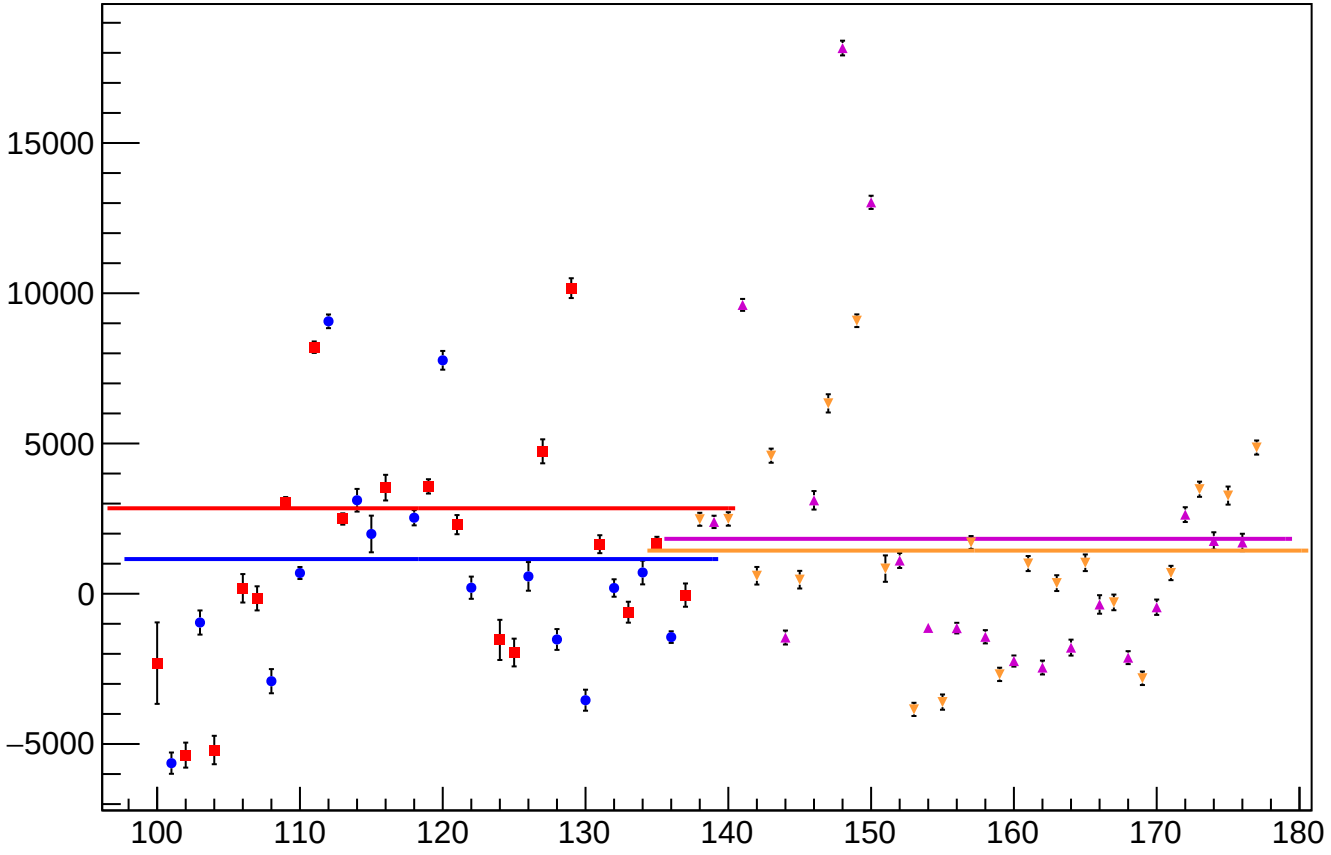
Left In: 181.391+/-0.034 χ^2/NDF:780519.3/18

+ sign 191.417+/-0.029 χ^2/NDF: 1496100.0/36

All: 183.752+/-0.020 χ^2/NDF: 3446336.3/74

- sign 176.832+/-0.027 χ^2/NDF: 1812766.2/37

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1435.579+/-54.270 χ^2/NDF:3887.2/20

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

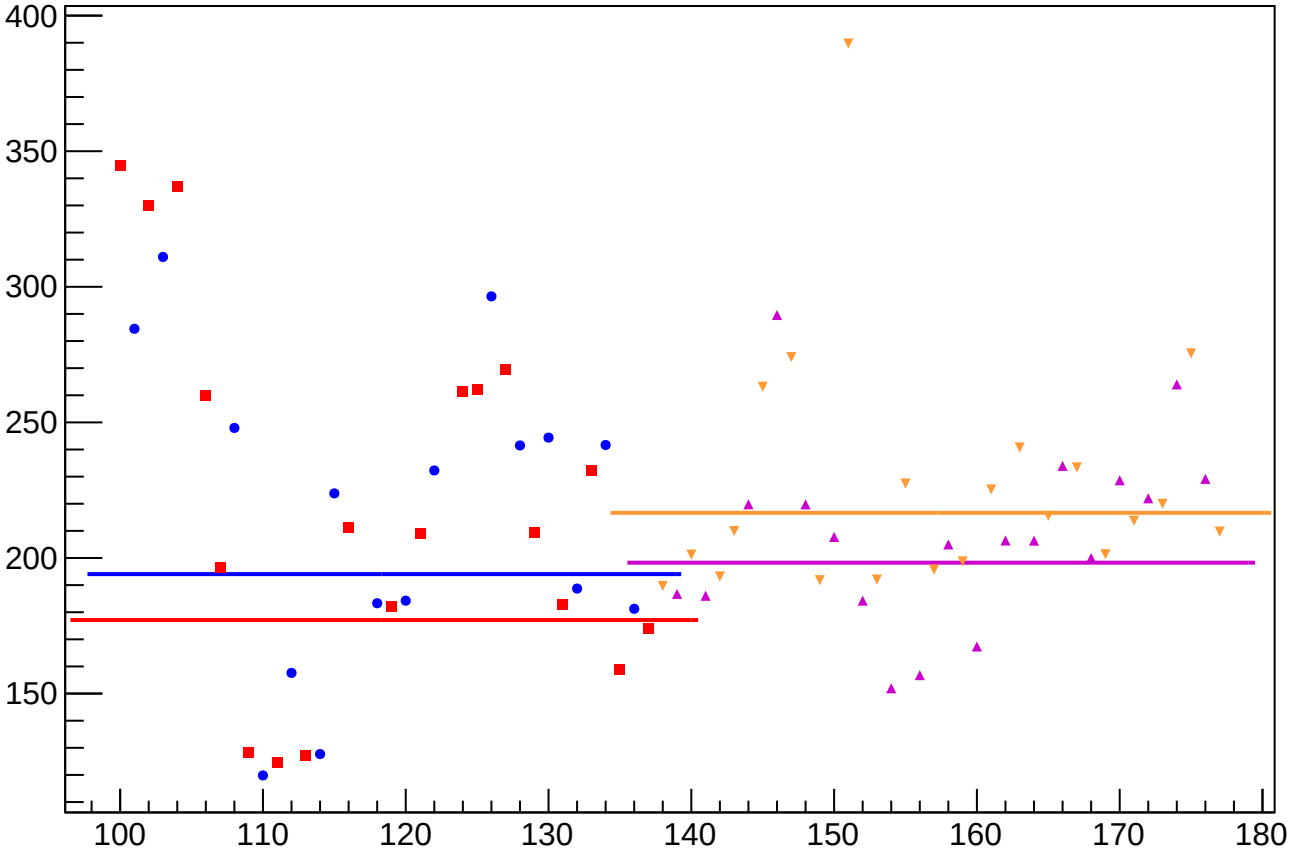
Left In: 1827.108+/-51.942 χ^2/NDF:11093.3/18

\+ sign 1340.355+/-44.157 χ^2/NDF: 6551.6/36

All: 1793.316+/-30.252 χ^2/NDF: 20434.6/74

\- sign 2193.940+/-41.528 χ^2/NDF: 13684.7/37

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.667+/-0.038 χ^2/NDF:690691.6/20

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

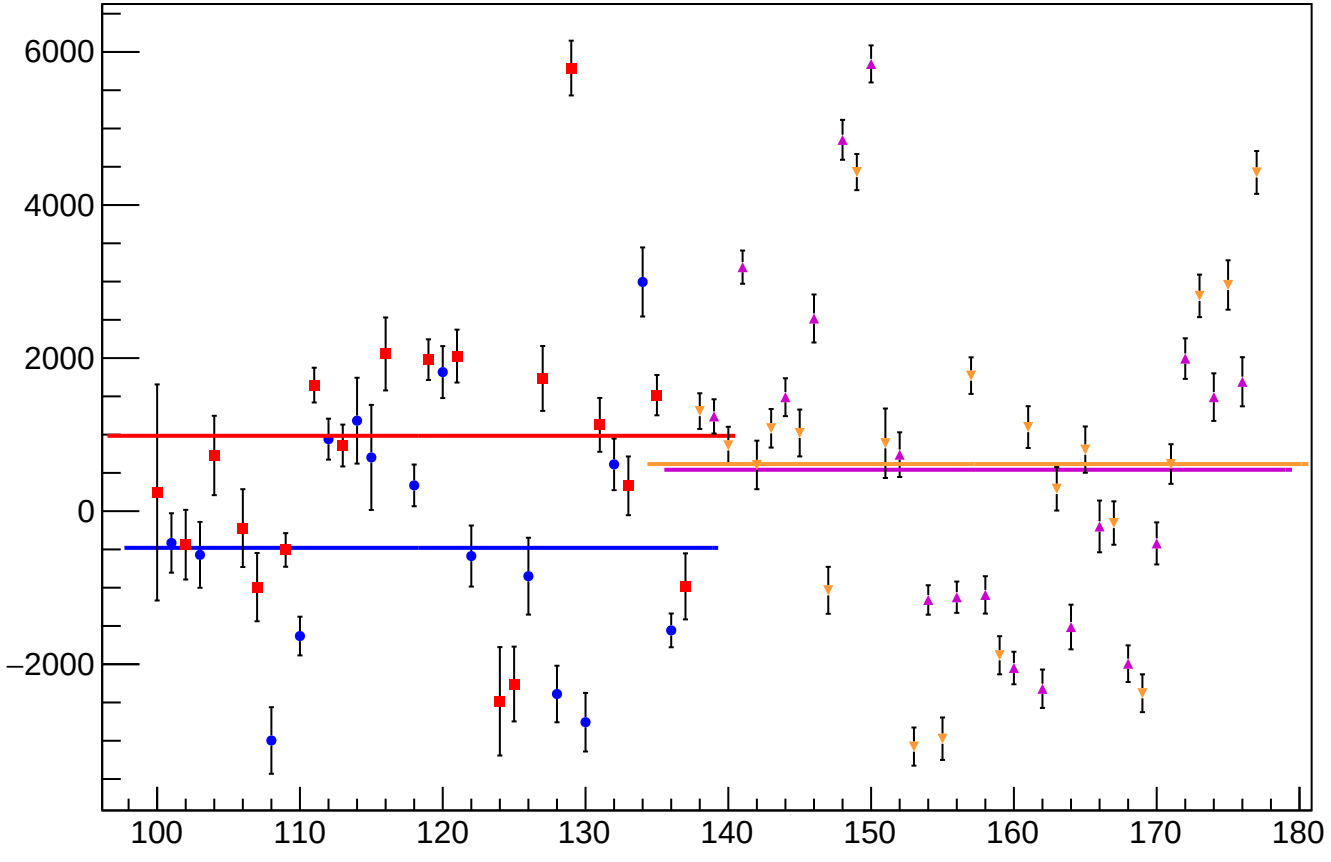
Left In: 198.270+/-0.037 χ^2/NDF:763146.2/18

+ sign 209.024+/-0.031 χ^2/NDF: 1773837.4/36

All: 199.267+/-0.021 χ^2/NDF: 4200020.8/74

- sign 190.638+/-0.029 χ^2/NDF: 2242178.5/37

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 615.556+/-59.376 χ^2/NDF:1275.6/20

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

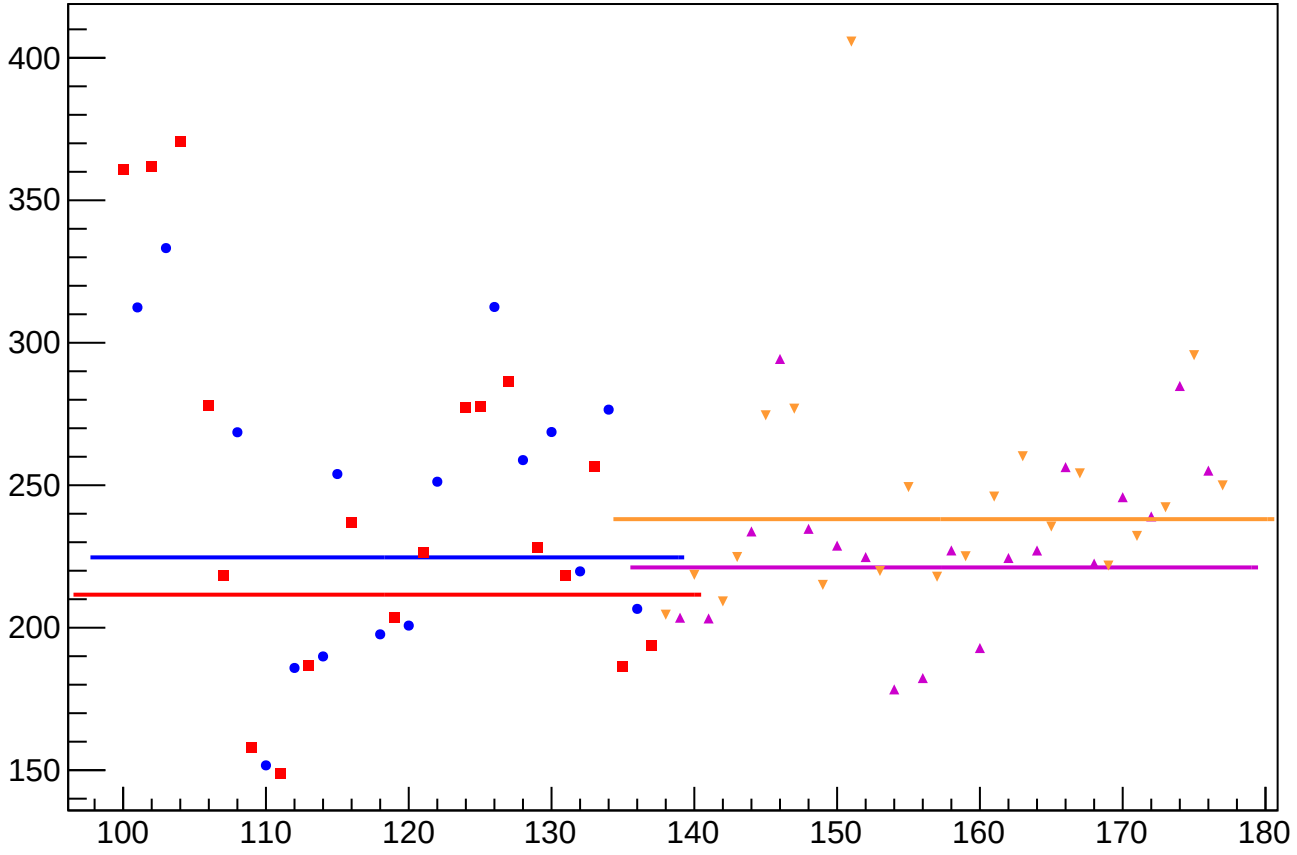
Left In: 540.953+/-57.502 χ^2/NDF:1665.0/18

+ sign 265.918+/-48.986 χ^2/NDF: 1689.6/36

All: 487.132+/-33.869 χ^2/NDF: 3811.8/74

- sign 689.715+/-46.878 χ^2/NDF: 2083.1/37

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.098+/-0.042 χ^2/NDF:560092.5/20

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

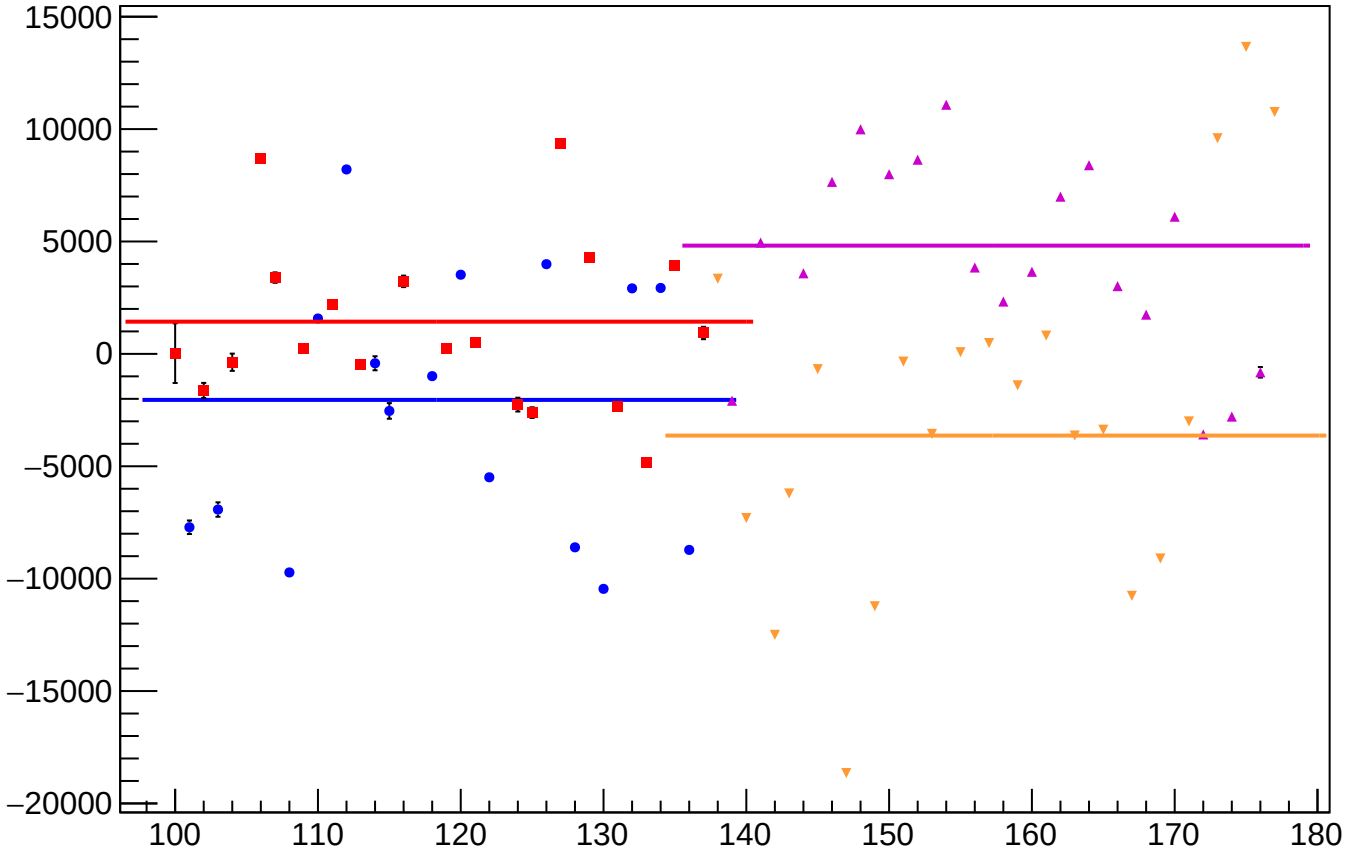
Left In: 221.158+/-0.041 χ^2/NDF:510069.5/18

+ sign 233.814+/-0.035 χ^2/NDF: 1245887.7/36

All: 225.533+/-0.024 χ^2/NDF: 2816886.9/74

- sign 217.950+/-0.033 χ^2/NDF: 1461522.9/37

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3633.758+/-31.893 χ^2/NDF:51612.4/20

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

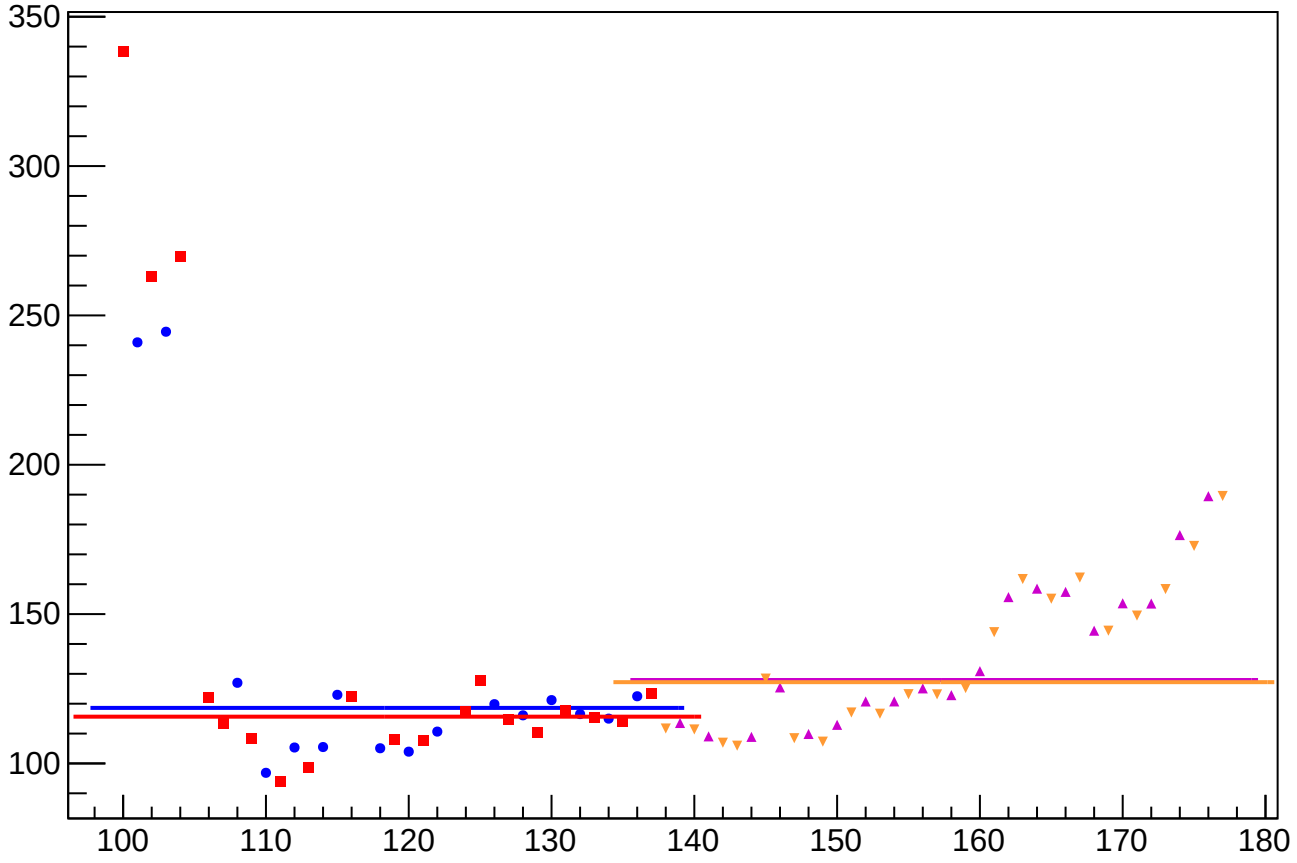
Left In: 4816.123+/-33.157 χ^2/NDF:15227.7/18

+ sign -3129.483+/-26.341 χ^2/NDF: 69108.1/36

All: 205.842+/-18.730 χ^2/NDF: 126842.6/74

- sign 3616.345+/-26.636 χ^2/NDF: 25307.8/37

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 127.212+/-0.023 χ^2/NDF:908470.2/20

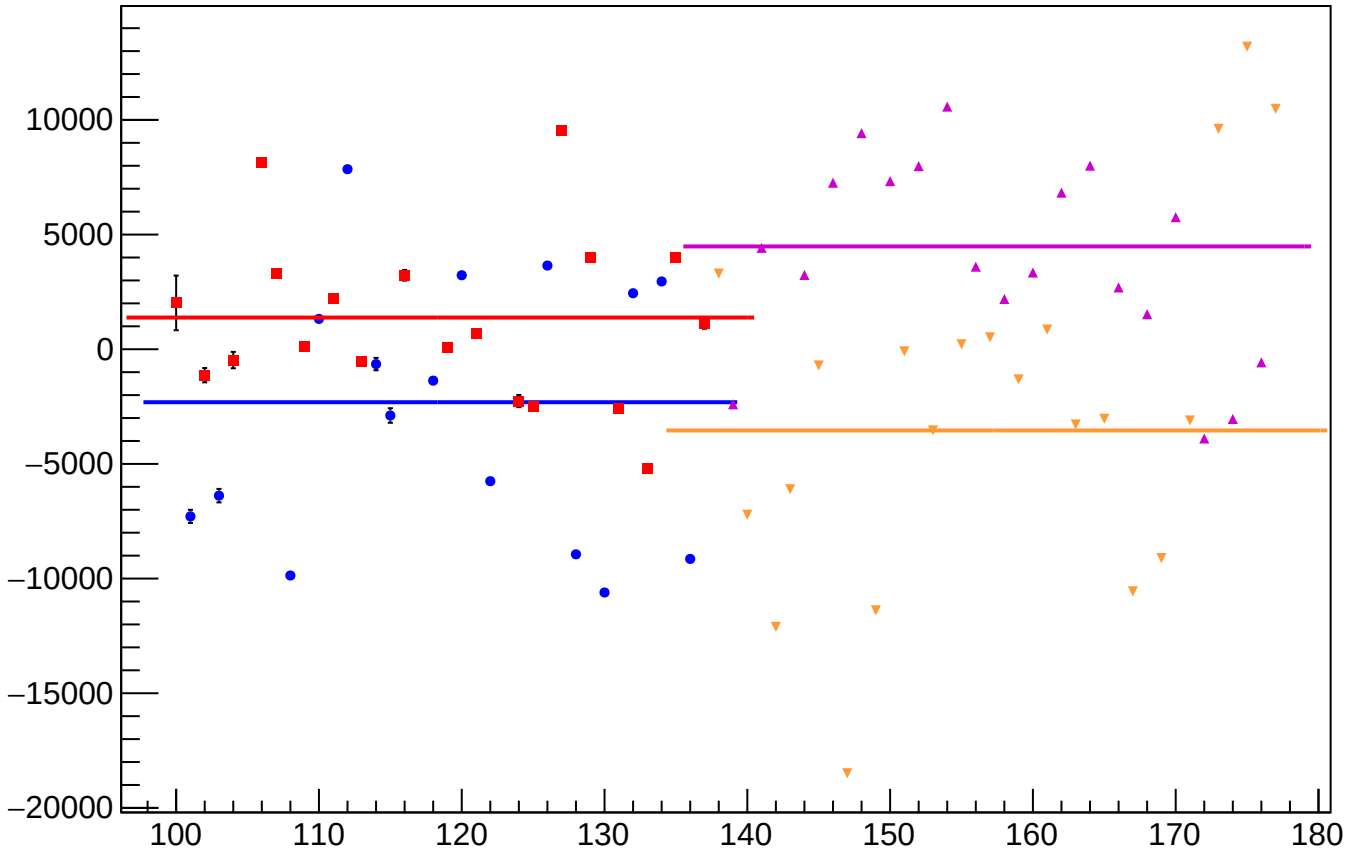
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 127.934+/-0.023 χ^2/NDF:735368.0/18

+ sign 124.473+/-0.019 χ^2/NDF: 1689029.0/36

All: 124.032+/-0.013 χ^2/NDF: 3386939.8/74

- sign 123.581+/-0.019 χ^2/NDF: 1696776.5/37



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -3541.277+/-28.715 χ^2/NDF:60174.2/20

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

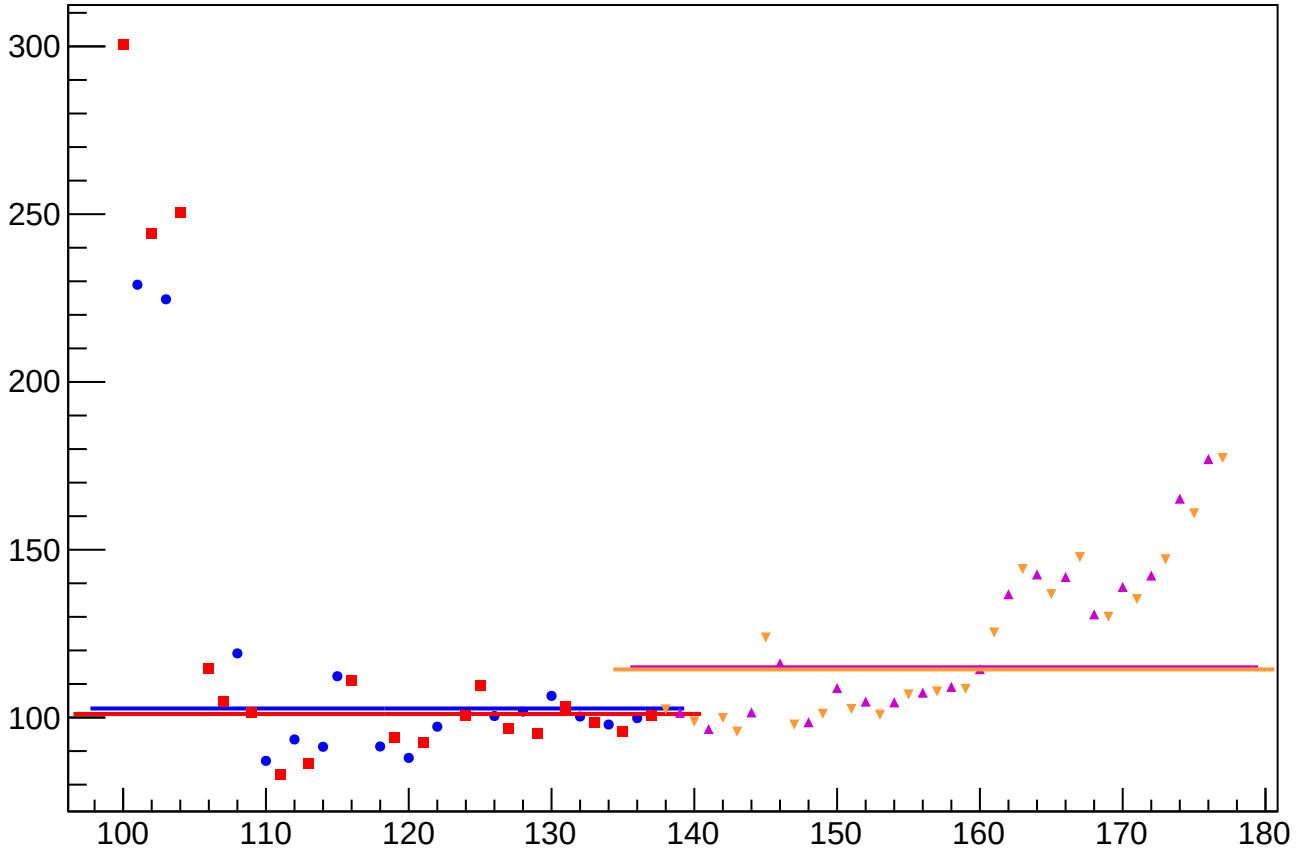
Left In: 4483.214+/-29.851 χ^2/NDF:17624.5/18

+ sign -3132.723+/-23.470 χ^2/NDF: 82463.4/36

All: 66.111+/-16.704 χ^2/NDF: 150257.7/74

- sign 3350.186+/-23.780 χ^2/NDF: 30146.3/37

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 114.327+/-0.020 χ^2/NDF:965591.0/20

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

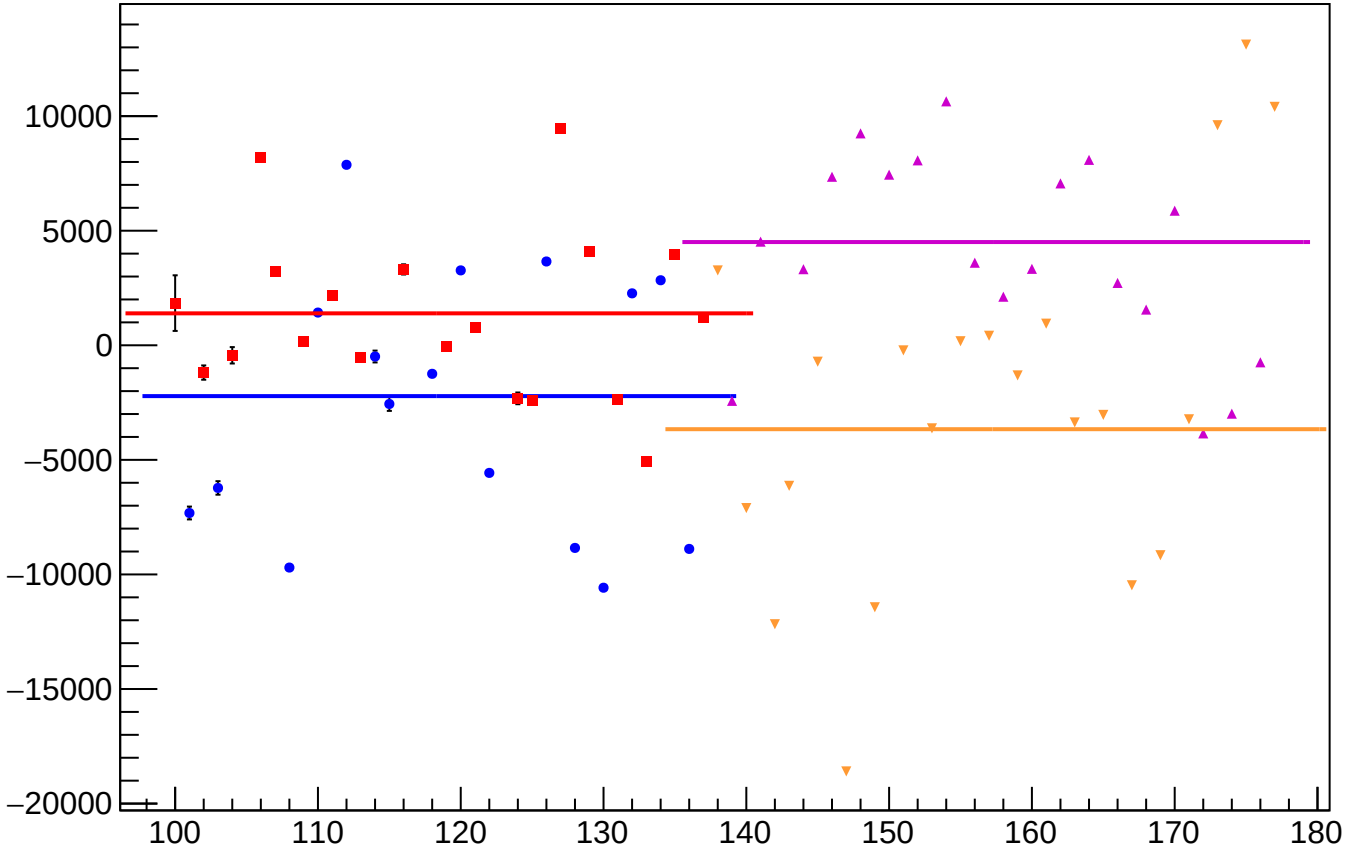
Left In: 114.965+/-0.021 χ^2/NDF:792225.4/18

+ sign 110.465+/-0.017 χ^2/NDF: 1900361.9/36

All: 110.179+/-0.012 χ^2/NDF: 3782122.2/74

- sign 109.886+/-0.017 χ^2/NDF: 1881158.6/37

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3661.728+/-28.103 χ^2/NDF:64336.5/20

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

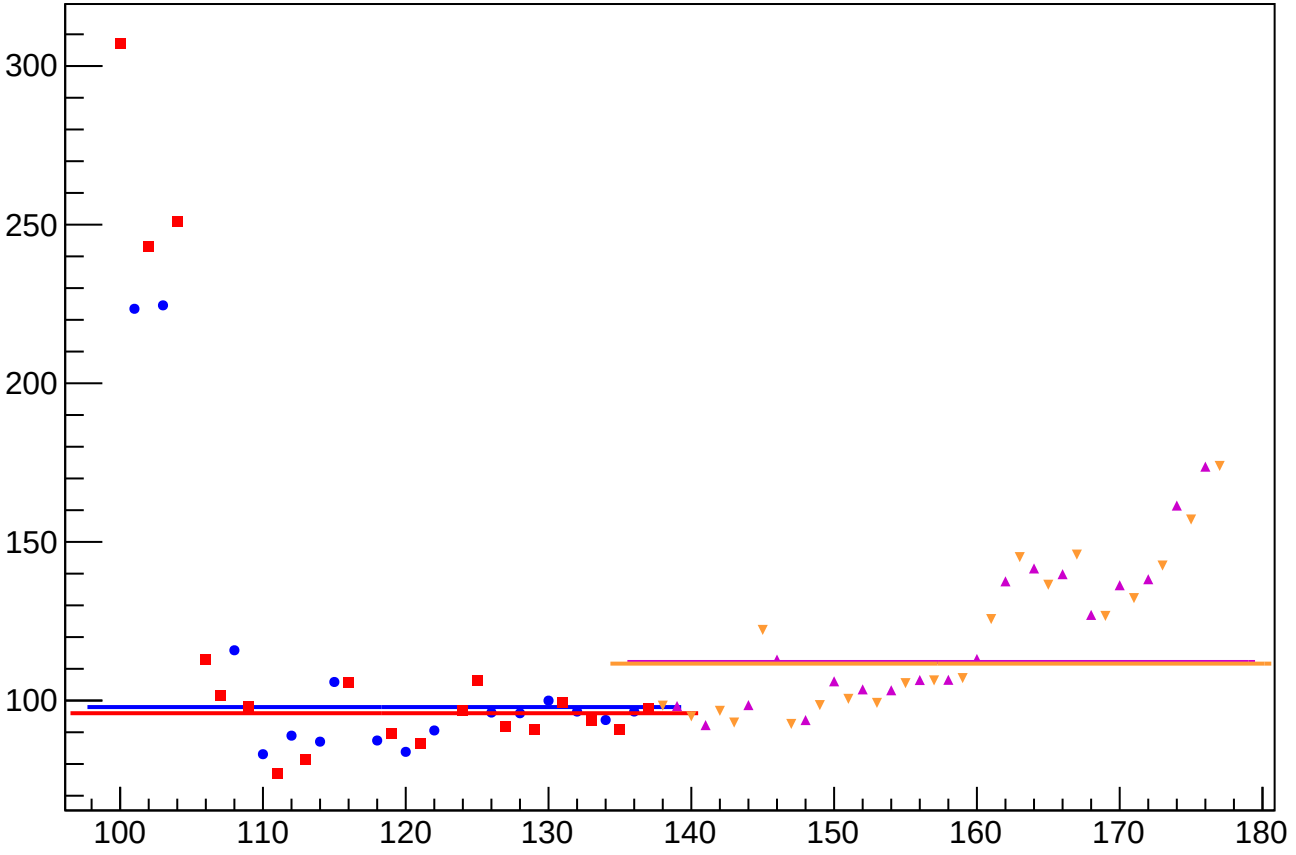
Left In: 4505.061+/-29.185 χ^2/NDF:18651.9/18

+ sign -3168.960+/-22.808 χ^2/NDF: 88278.0/36

All: 48.356+/-16.213 χ^2/NDF: 160581.0/74

- sign 3334.449+/-23.050 χ^2/NDF: 32080.3/37

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 111.635+/-0.020 χ^2/NDF:1038481.3/20

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

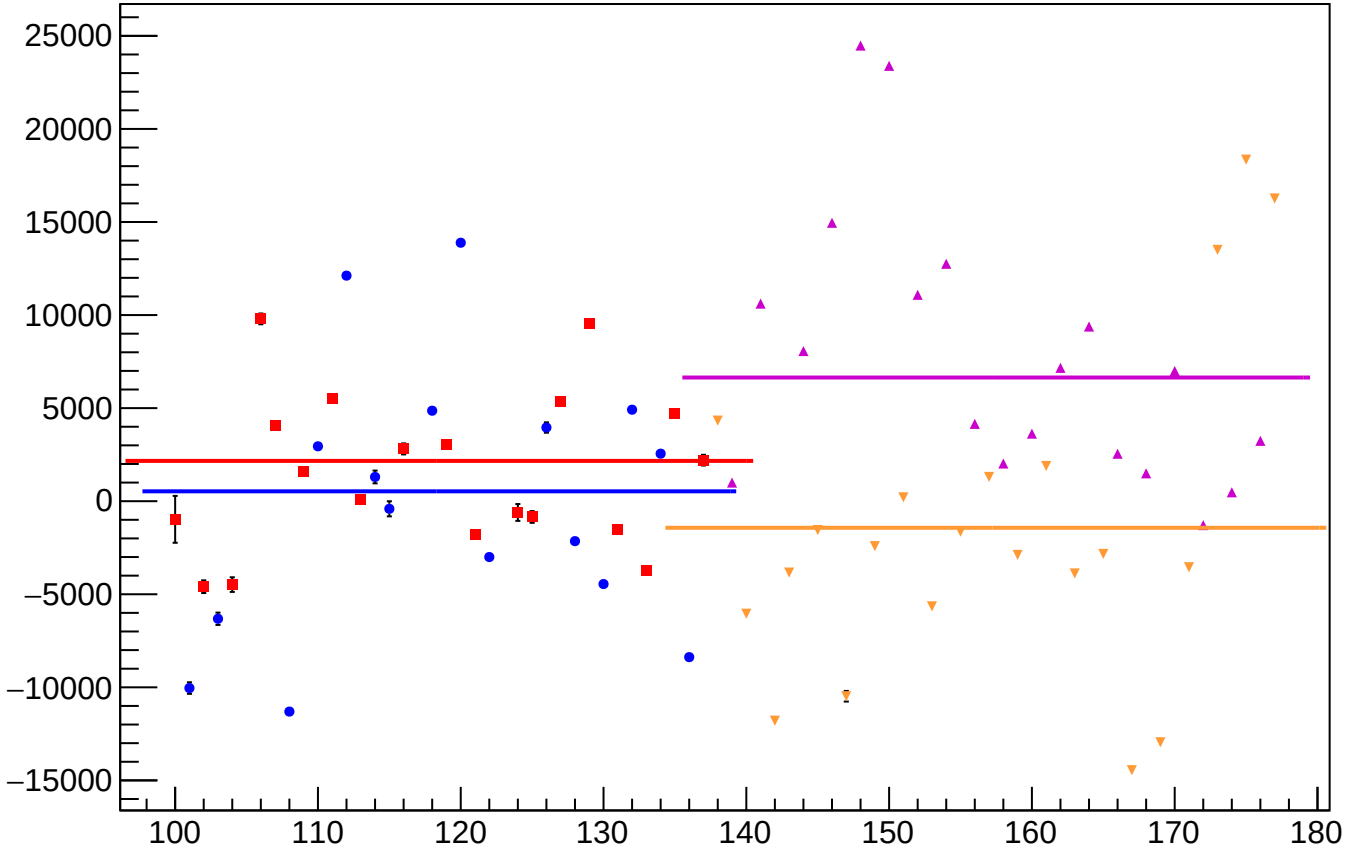
Left In: 112.155+/-0.021 χ^2/NDF:847244.7/18

+ sign 106.962+/-0.016 χ^2/NDF: 2068662.3/36

All: 106.525+/-0.011 χ^2/NDF: 4160081.3/74

- sign 106.079+/-0.016 χ^2/NDF: 2089935.6/37

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -1427.576+/-39.426 χ^2/NDF:38062.0/20

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

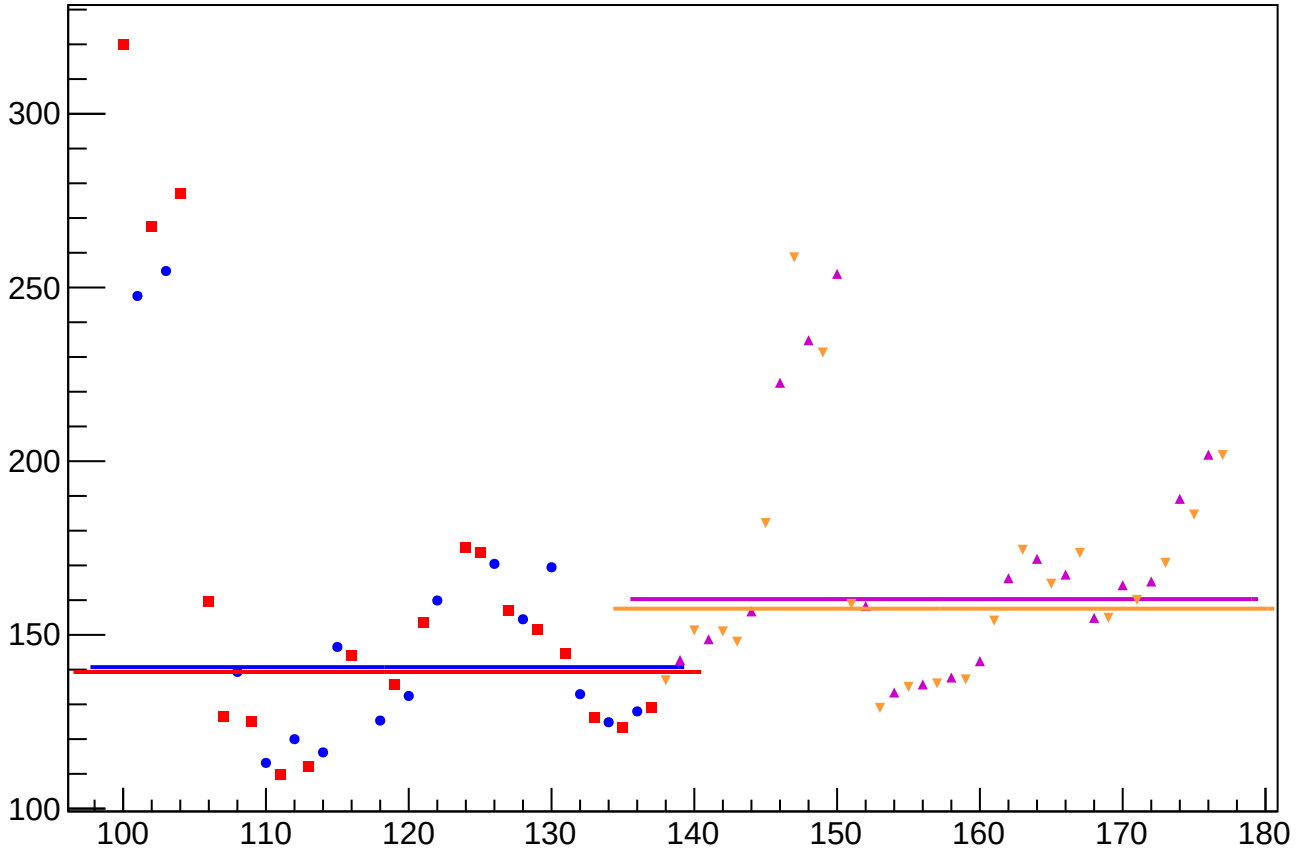
Left In: 6644.641+/-41.654 χ^2/NDF:20173.1/18

+ sign -760.596+/-32.015 χ^2/NDF: 57489.8/36

All: 2021.665+/-22.930 χ^2/NDF: 102507.5/74

- sign 4952.329+/-32.857 χ^2/NDF: 29509.5/37

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 157.550+/-0.028 χ^2/NDF:854227.6/20

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

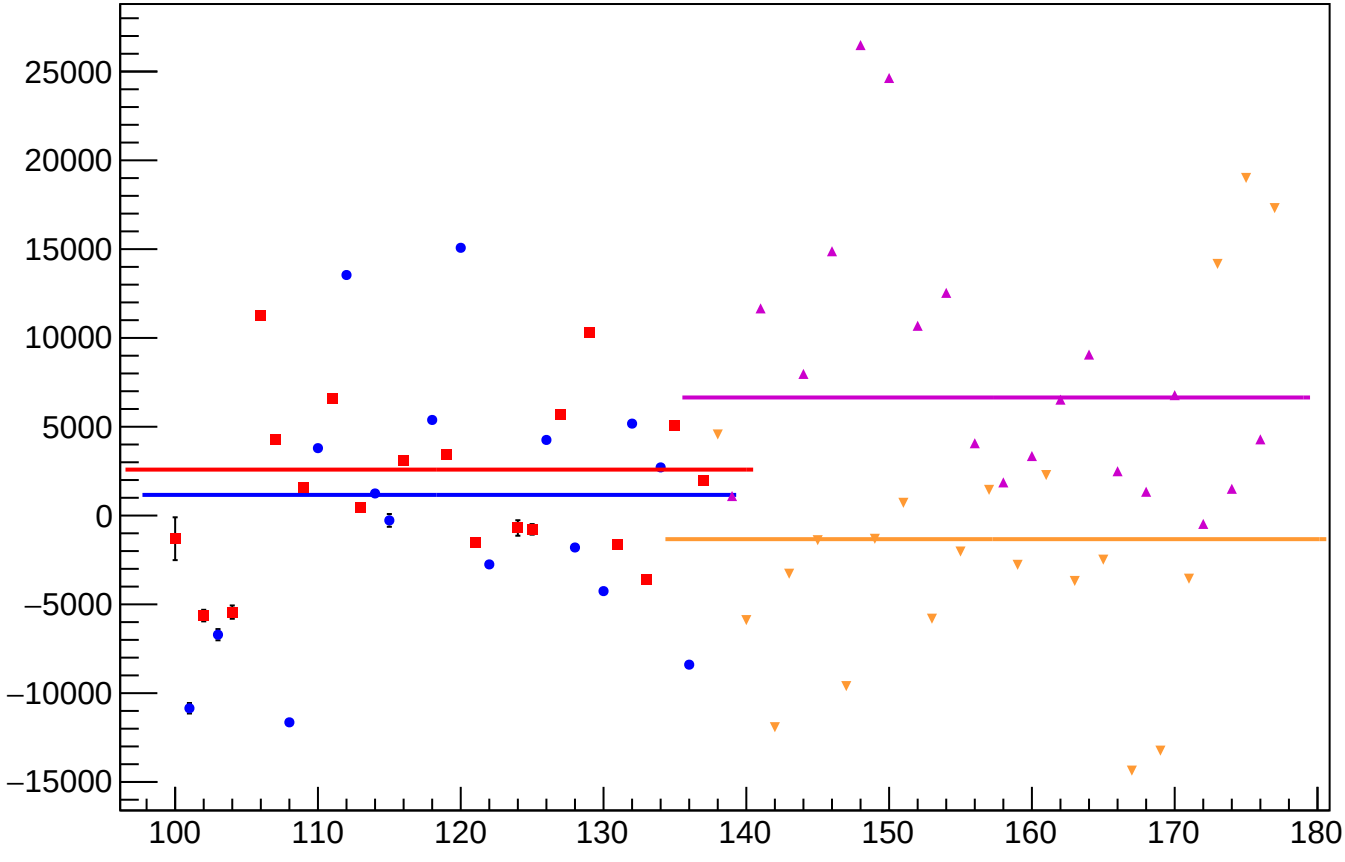
Left In: 160.307+/-0.029 χ^2/NDF:884372.1/18

\+ sign 151.816+/-0.023 χ^2/NDF: 1654052.8/36

All: 152.089+/-0.016 χ^2/NDF: 3532901.5/74

\- sign 152.378+/-0.023 χ^2/NDF: 1878548.5/37

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1329.101+/-35.100 χ^2/NDF:47607.3/20

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

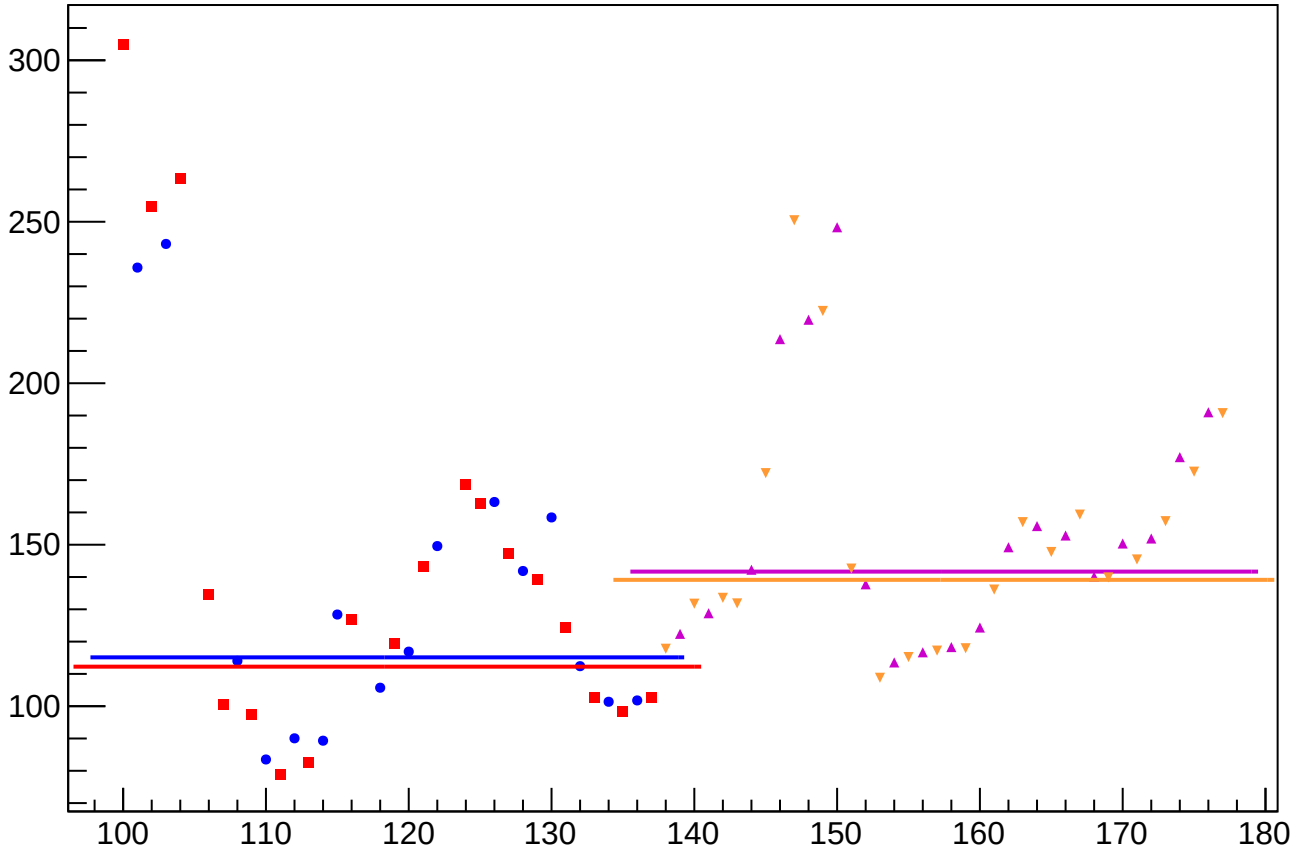
Left In: 6647.534+/-37.157 χ^2/NDF:25194.8/18

+ sign -410.311+/-27.888 χ^2/NDF: 80220.2/36

All: 2224.833+/-19.918 χ^2/NDF: 136677.0/74

- sign 4968.560+/-28.457 χ^2/NDF: 38232.7/37

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 139.123+/-0.025 χ^2/NDF:1240793.5/20

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

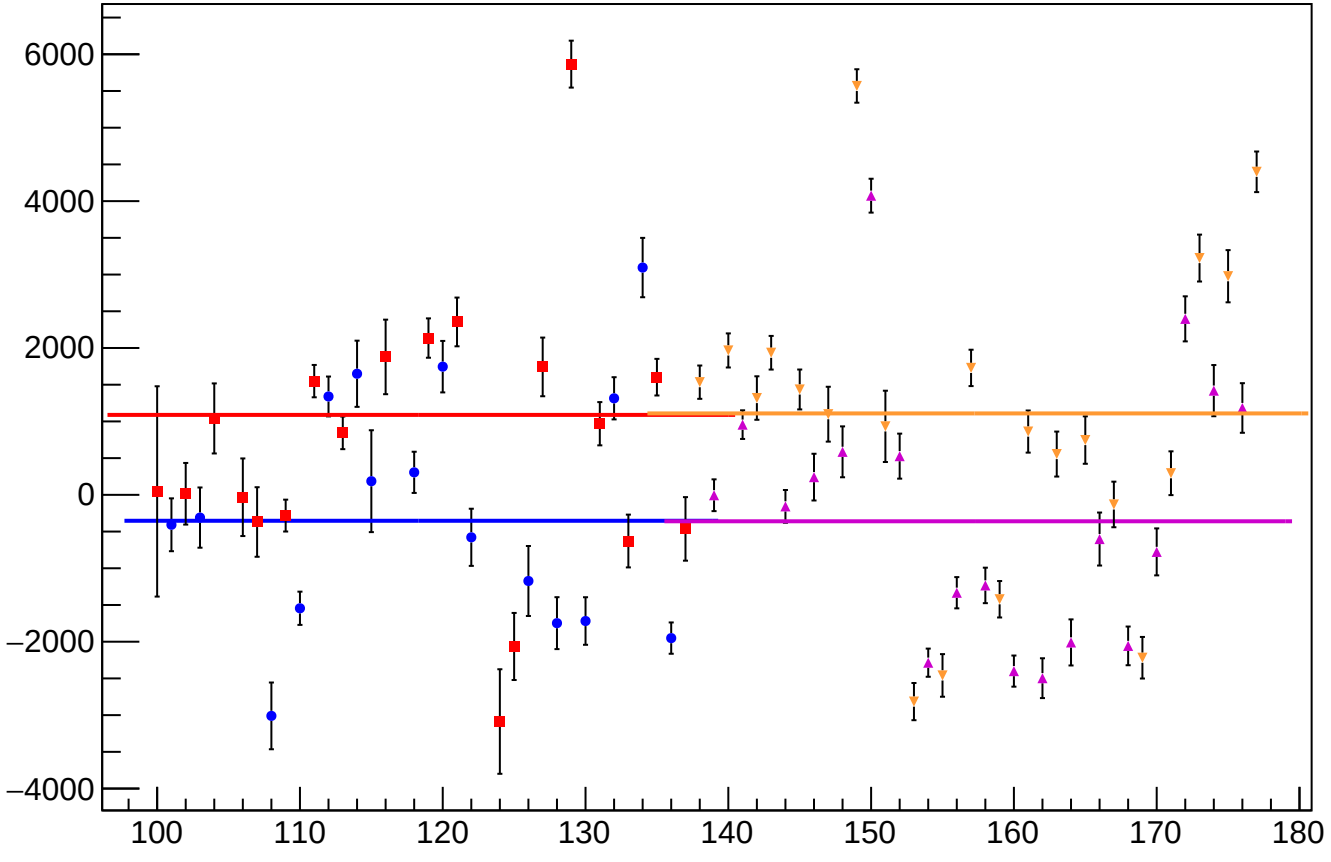
Left In: 141.675+/-0.026 χ^2/NDF:1253482.1/18

+ sign 130.276+/-0.020 χ^2/NDF: 2698462.5/36

All: 129.898+/-0.014 χ^2/NDF: 5799715.8/74

- sign 129.505+/-0.020 χ^2/NDF: 3100505.4/37

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1108.903+/-60.858 χ^2/NDF:1297.0/20

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

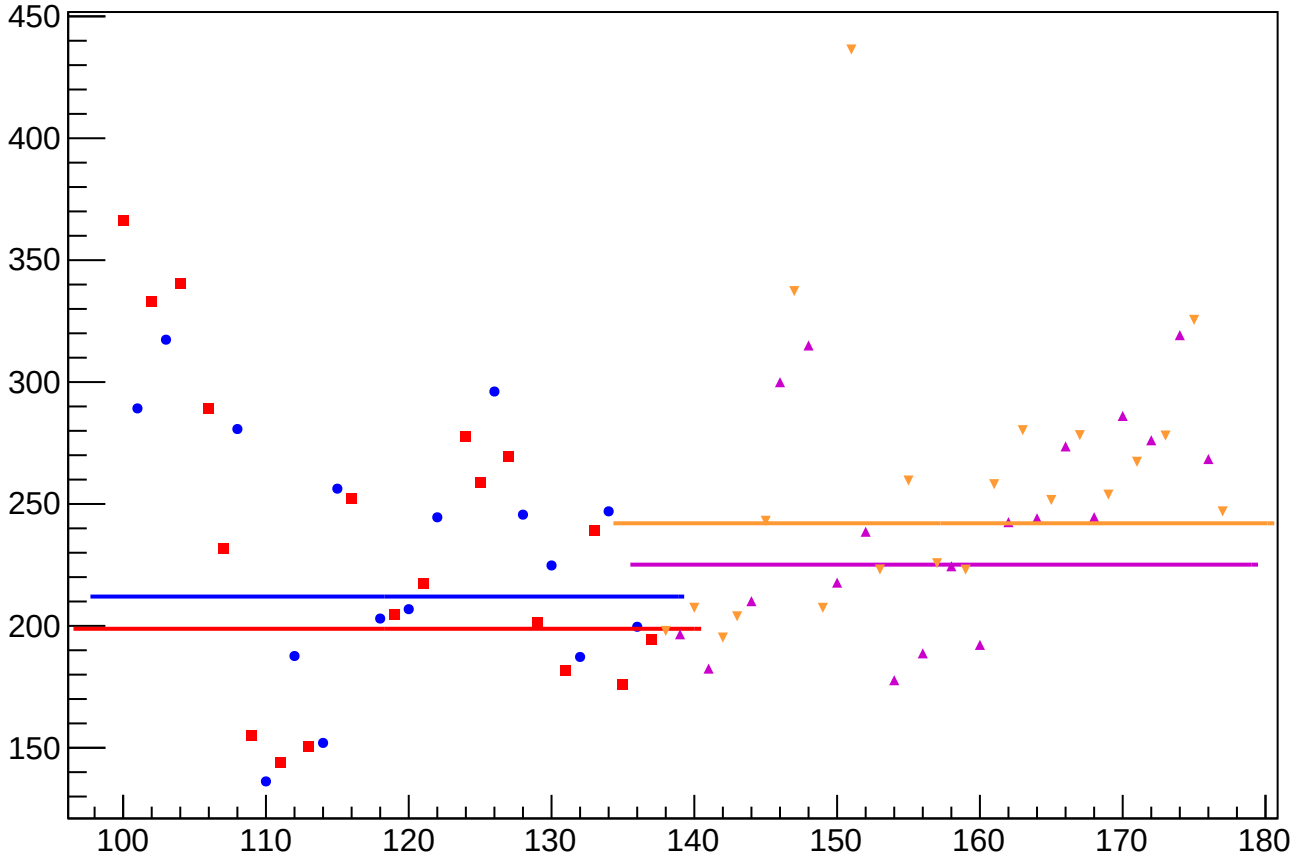
Left In: -359.990+/-58.998 χ^2/NDF:926.5/18

+ sign 590.723+/-48.898 χ^2/NDF: 1863.4/36

All: 376.376+/-33.774 χ^2/NDF: 3498.9/74

- sign 180.820+/-46.706 χ^2/NDF: 1598.8/37

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 242.080+/-0.043 χ^2/NDF:981895.3/20

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

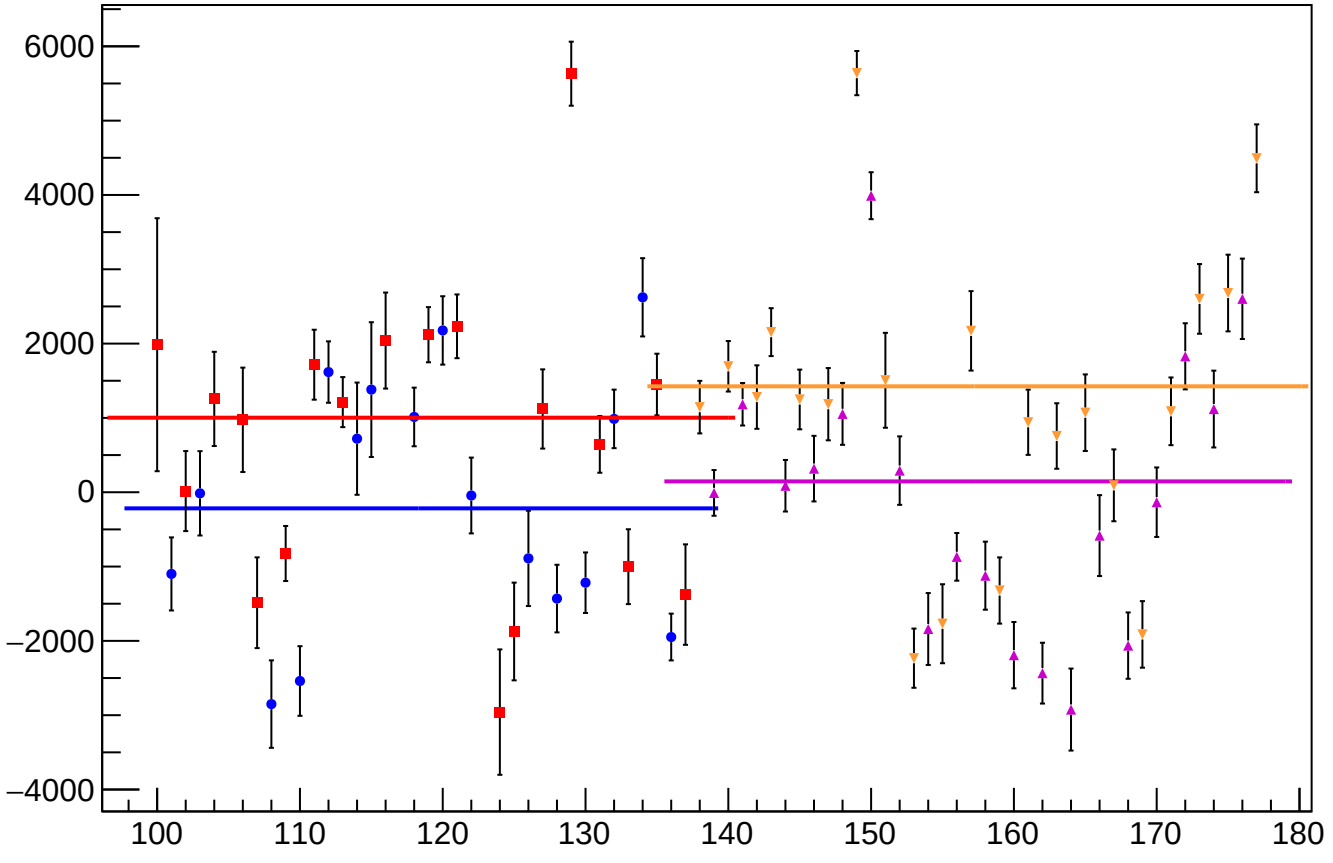
Left In: 225.117+/-0.042 χ^2/NDF:988760.4/18

+ sign 231.429+/-0.035 χ^2/NDF: 1845109.0/36

All: 222.993+/-0.024 χ^2/NDF: 4071080.2/74

- sign 215.297+/-0.033 χ^2/NDF: 2112137.1/37

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1425.259+/-92.999 χ^2/NDF:493.4/20

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

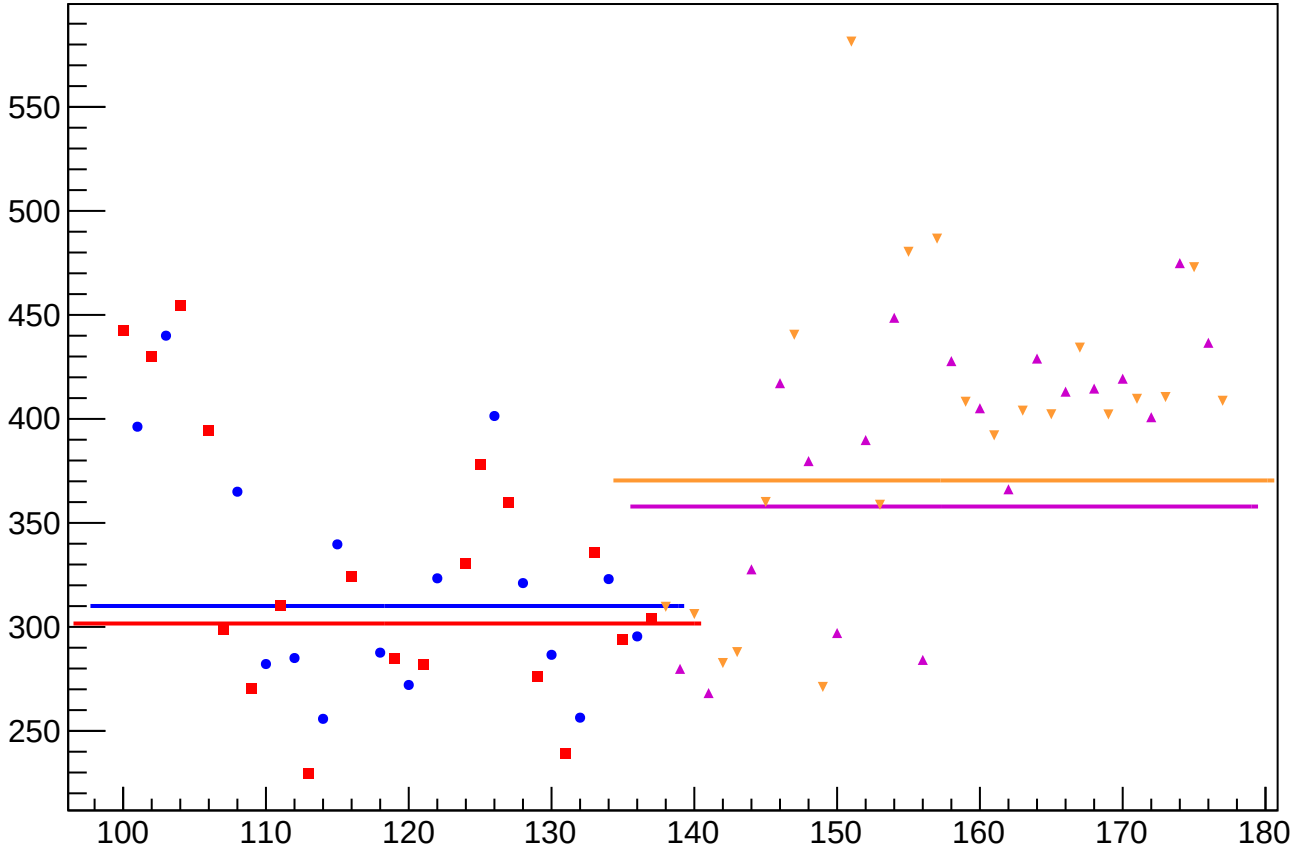
Left In: 145.844+/-93.257 χ^2/NDF:364.6/18

+ sign 795.304+/-73.014 χ^2/NDF: 805.2/36

All: 641.808+/-51.250 χ^2/NDF: 1467.0/74

- sign 492.735+/-71.954 χ^2/NDF: 653.1/37

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 370.409+/-0.066 χ^2/NDF:1217993.3/20

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

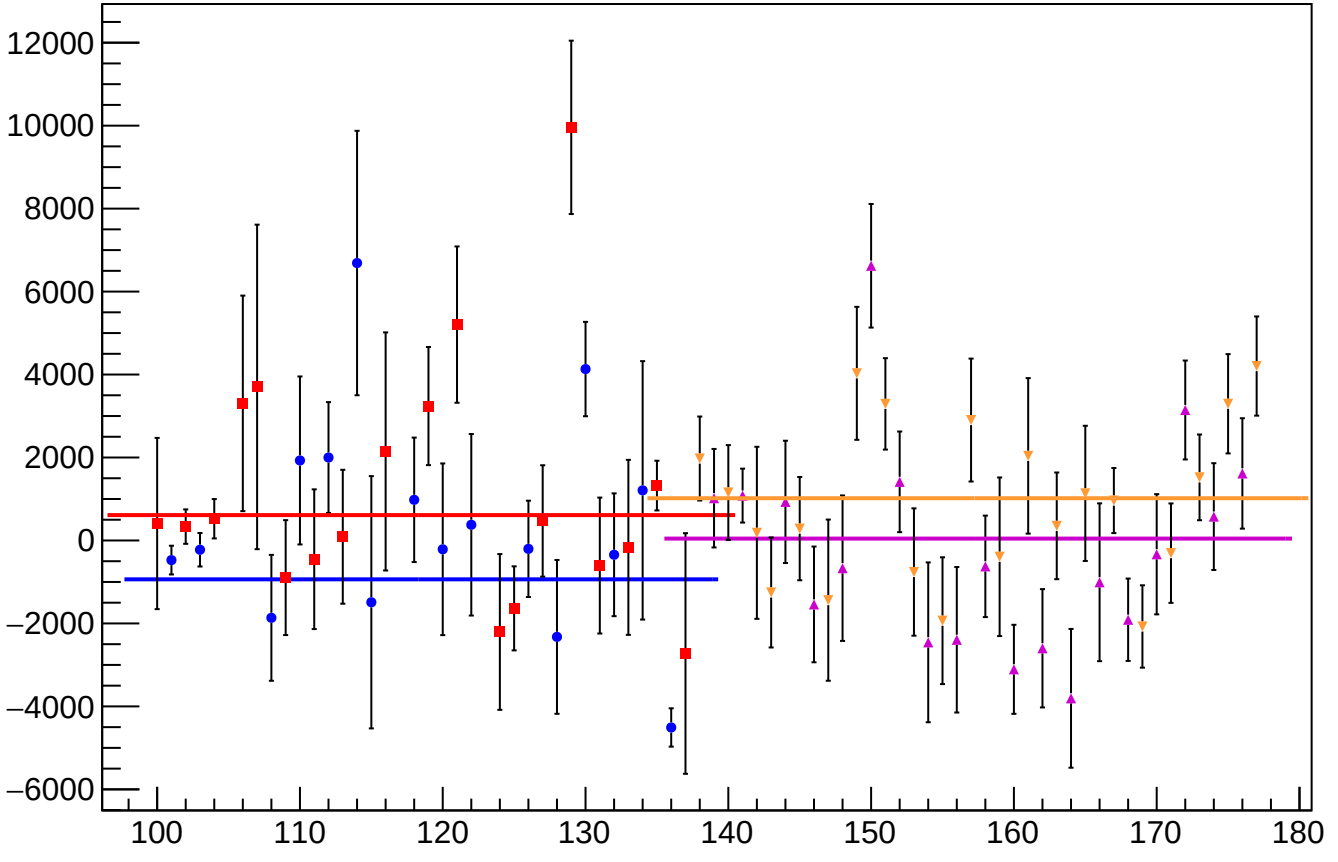
Left In: 357.879+/-0.066 χ^2/NDF:996342.9/18

+ sign 347.260+/-0.052 χ^2/NDF: 1864331.4/36

All: 341.101+/-0.036 χ^2/NDF: 3702985.0/74

- sign 335.119+/-0.051 χ^2/NDF: 1810599.0/37

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1018.510+/-275.405 χ^2/NDF:43.4/20

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

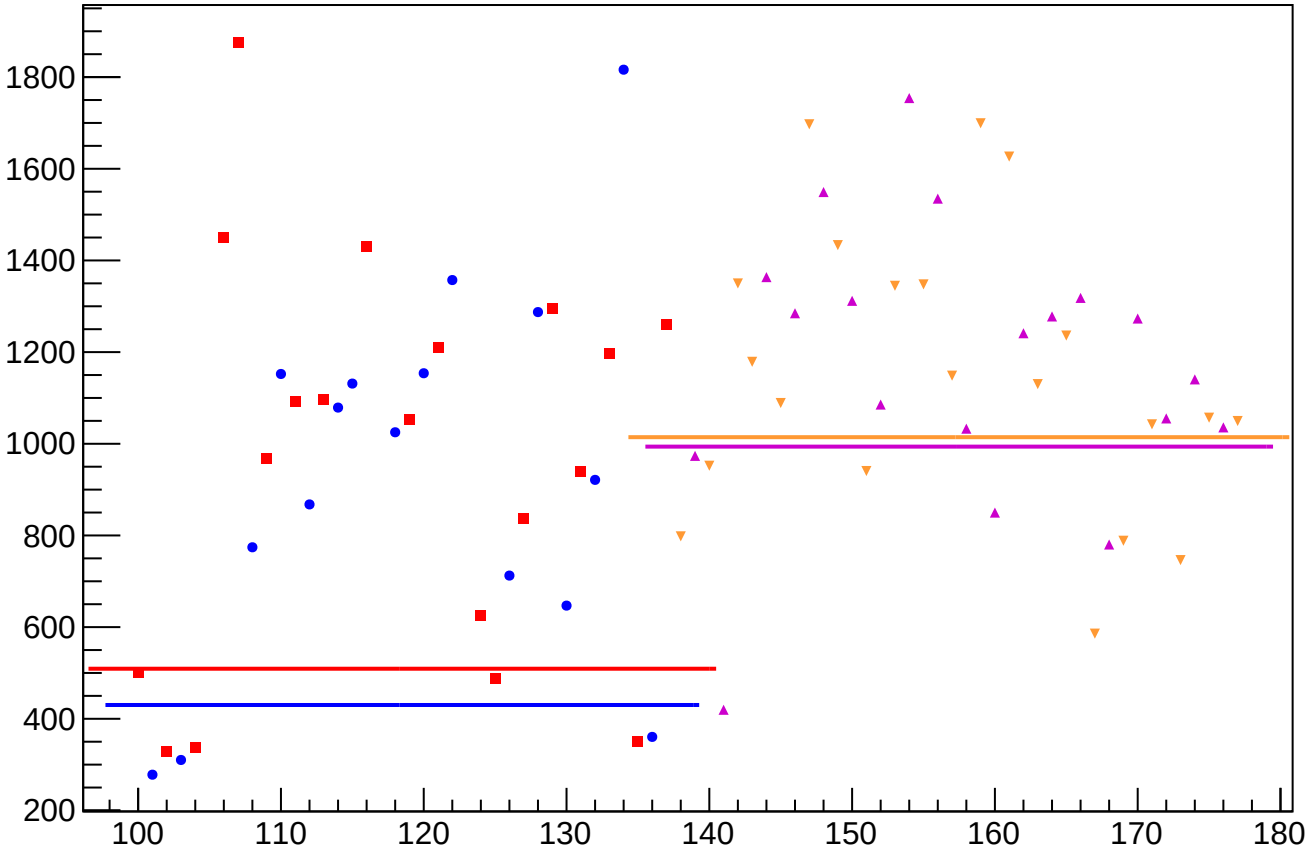
Left In: 45.411+/-287.172 χ^2/NDF:59.7/18

+ sign -241.014+/-164.298 χ^2/NDF: 177.1/36

All: 42.551+/-121.654 χ^2/NDF: 289.8/74

- sign 386.711+/-181.003 χ^2/NDF: 106.1/37

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1014.406+/-0.195 χ^2/NDF:2148375.4/20

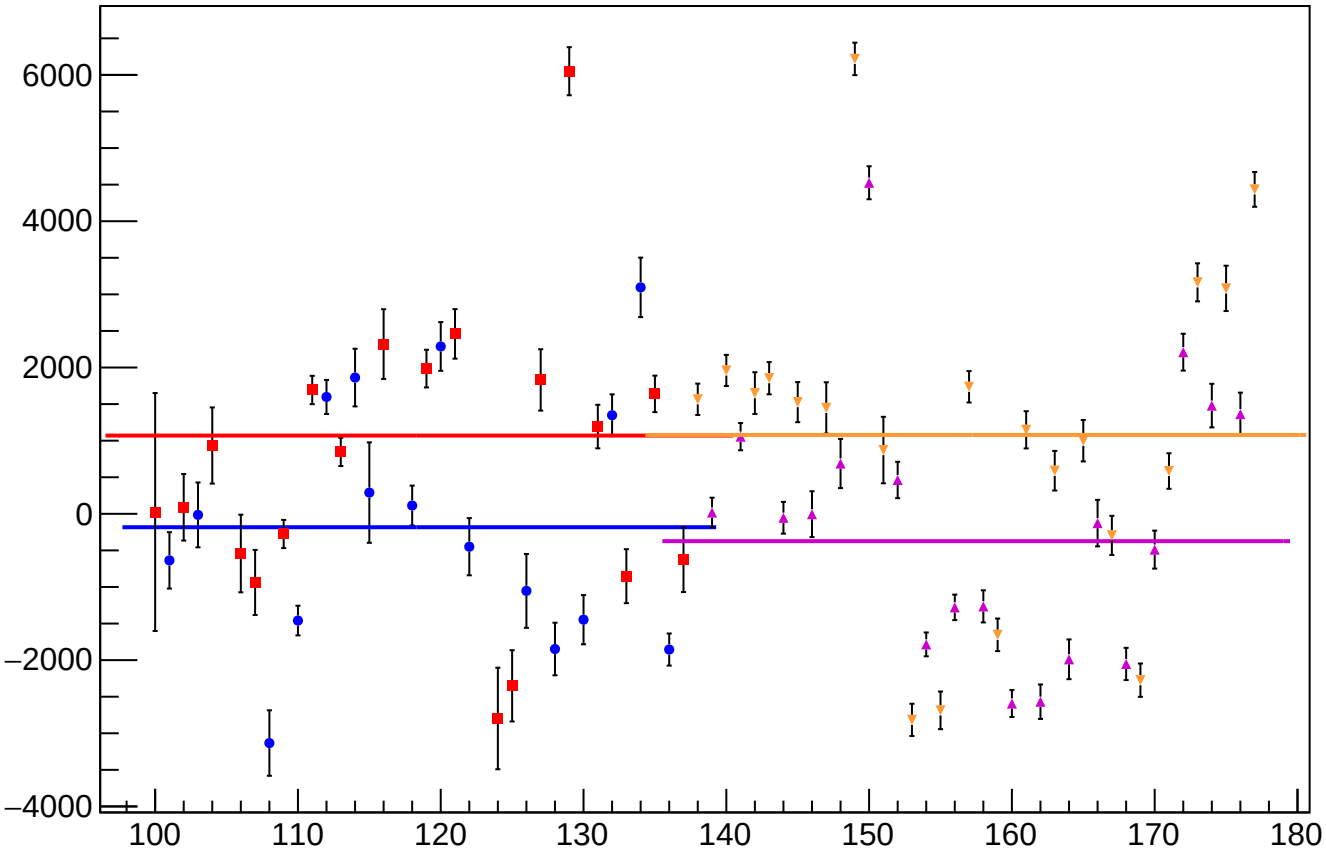
Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 993.808+/-0.203 χ^2/NDF:2993195.7/18

+ sign 638.057+/-0.116 χ^2/NDF: 11468650.4/36

All: 666.826+/-0.086 χ^2/NDF: 21703310.6/74

- sign 701.742+/-0.128 χ^2/NDF: 10098915.3/37



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1078.199+/-54.593 χ^2/NDF:1821.7/20

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

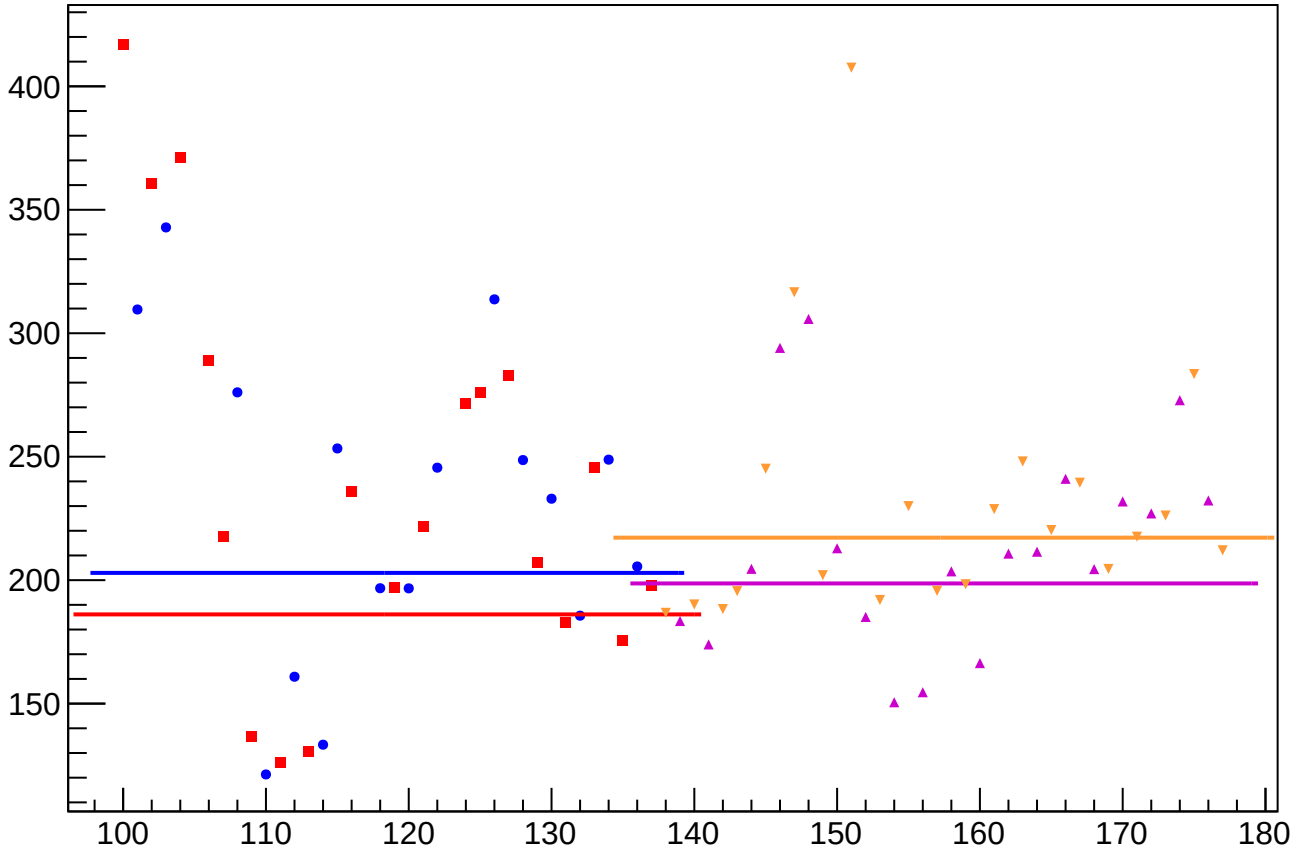
Left In: -373.550+/-52.283 χ^2/NDF:1182.9/18

+ sign 676.545+/-45.069 χ^2/NDF: 2409.3/36

All: 379.560+/-30.927 χ^2/NDF: 4424.6/74

- sign 115.246+/-42.518 χ^2/NDF: 1933.2/37

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 217.210+/-0.039 χ^2/NDF:865009.1/20

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

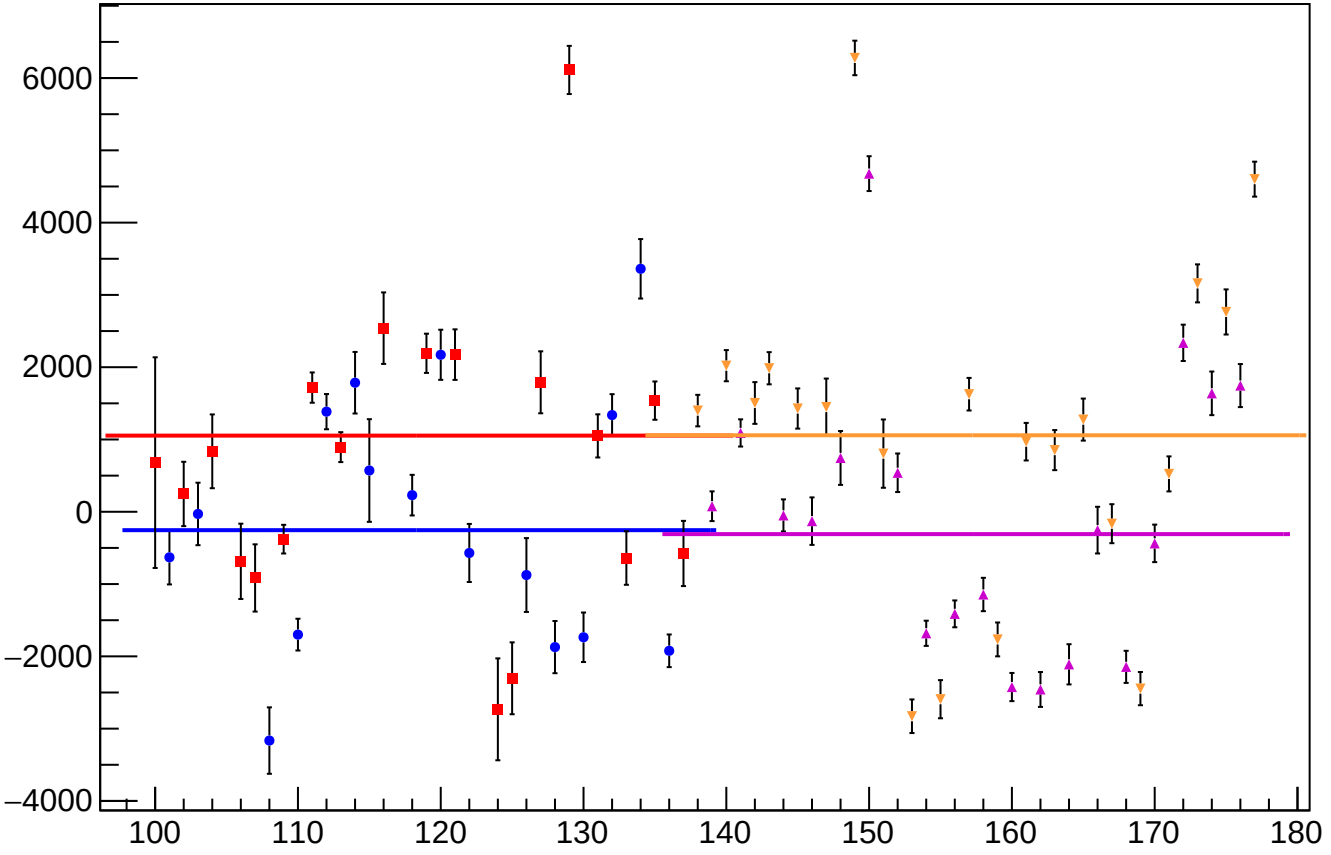
Left In: 198.671+/-0.037 χ^2/NDF:1069909.3/18

+ sign 212.666+/-0.032 χ^2/NDF: 1980381.5/36

All: 203.014+/-0.022 χ^2/NDF: 4744312.7/74

- sign 194.423+/-0.030 χ^2/NDF: 2590552.6/37

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1058.155+/-56.071 χ^2/NDF:1712.8/20

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

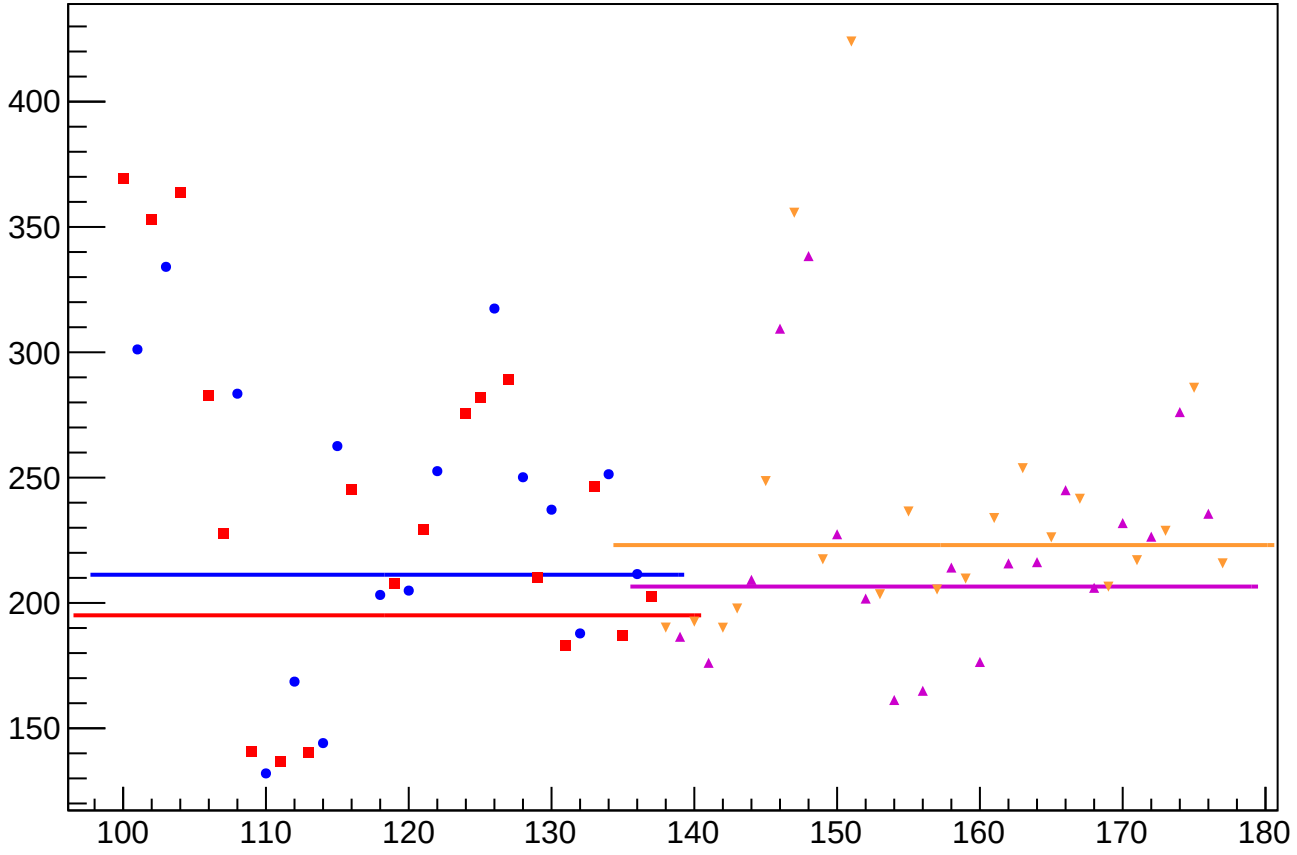
Left In: -309.014+/-54.232 χ^2/NDF:1125.6/18

\+ sign 643.331+/-46.373 χ^2/NDF: 2295.3/36

All: 385.029+/-31.971 χ^2/NDF: 4170.8/74

\- sign 151.012+/-44.139 χ^2/NDF: 1816.4/37

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 223.083+/-0.040 χ^2/NDF:914612.4/20

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

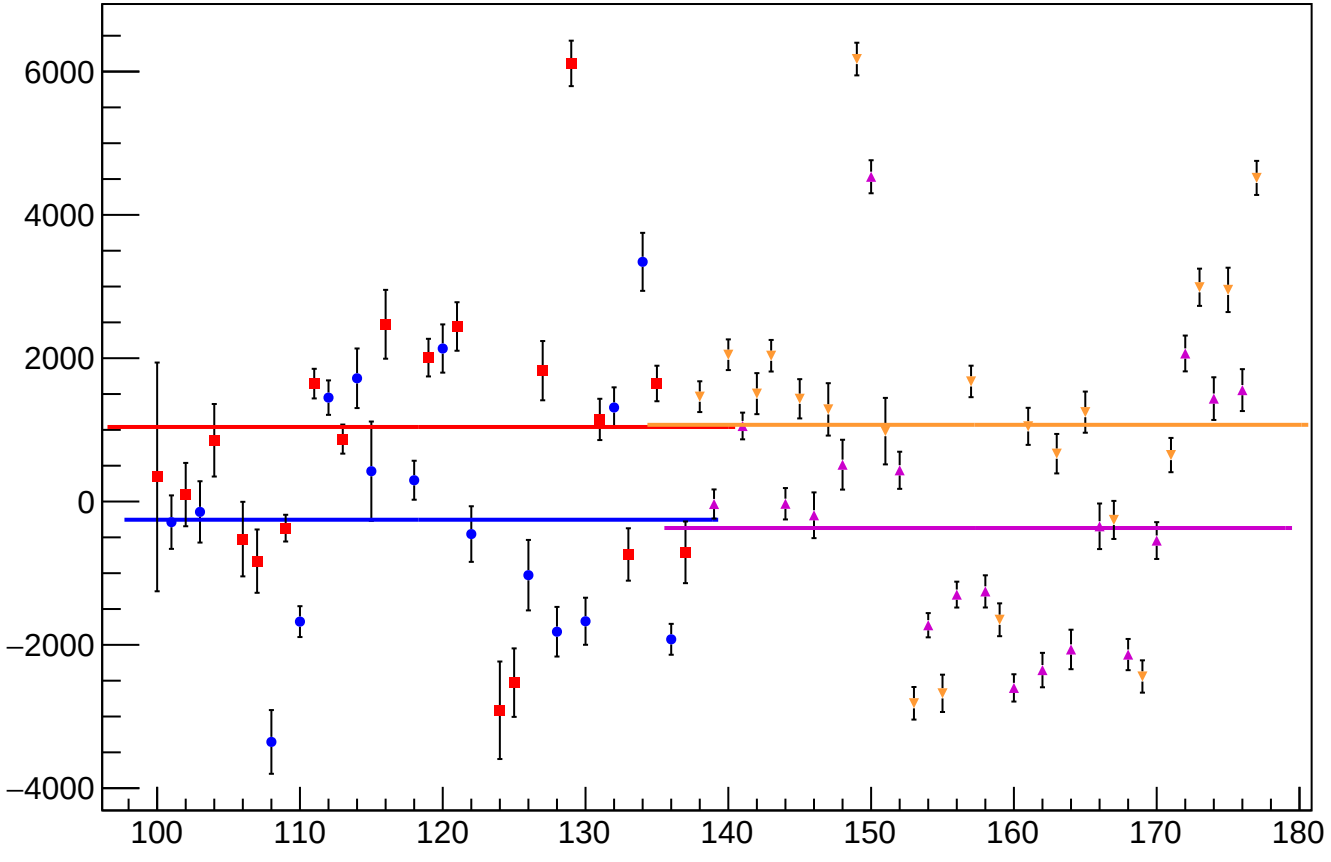
Left In: 206.537+/-0.038 χ^2/NDF:1009699.2/18

+ sign 219.345+/-0.033 χ^2/NDF: 1827110.1/36

All: 210.593+/-0.023 χ^2/NDF: 4287712.4/74

- sign 202.663+/-0.031 χ^2/NDF: 2324810.9/37

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1070.397+/-55.104 χ^2/NDF:1771.9/20

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

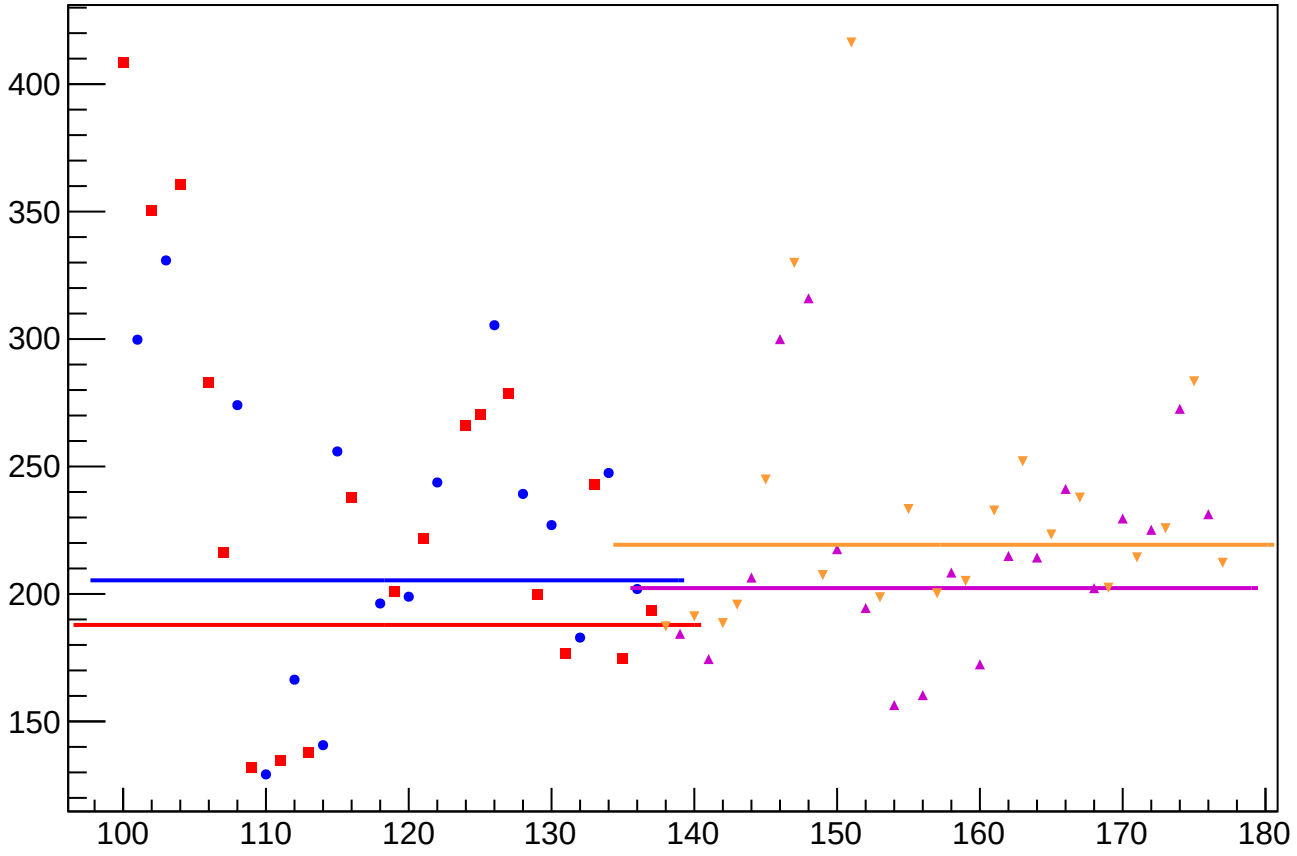
Left In: -369.506+/-53.134 χ^2/NDF:1122.5/18

+ sign 645.827+/-45.421 χ^2/NDF: 2389.1/36

All: 366.403+/-31.239 χ^2/NDF: 4359.0/74

- sign 115.586+/-43.033 χ^2/NDF: 1898.1/37

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 219.292+/-0.039 χ^2/NDF:880547.1/20

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

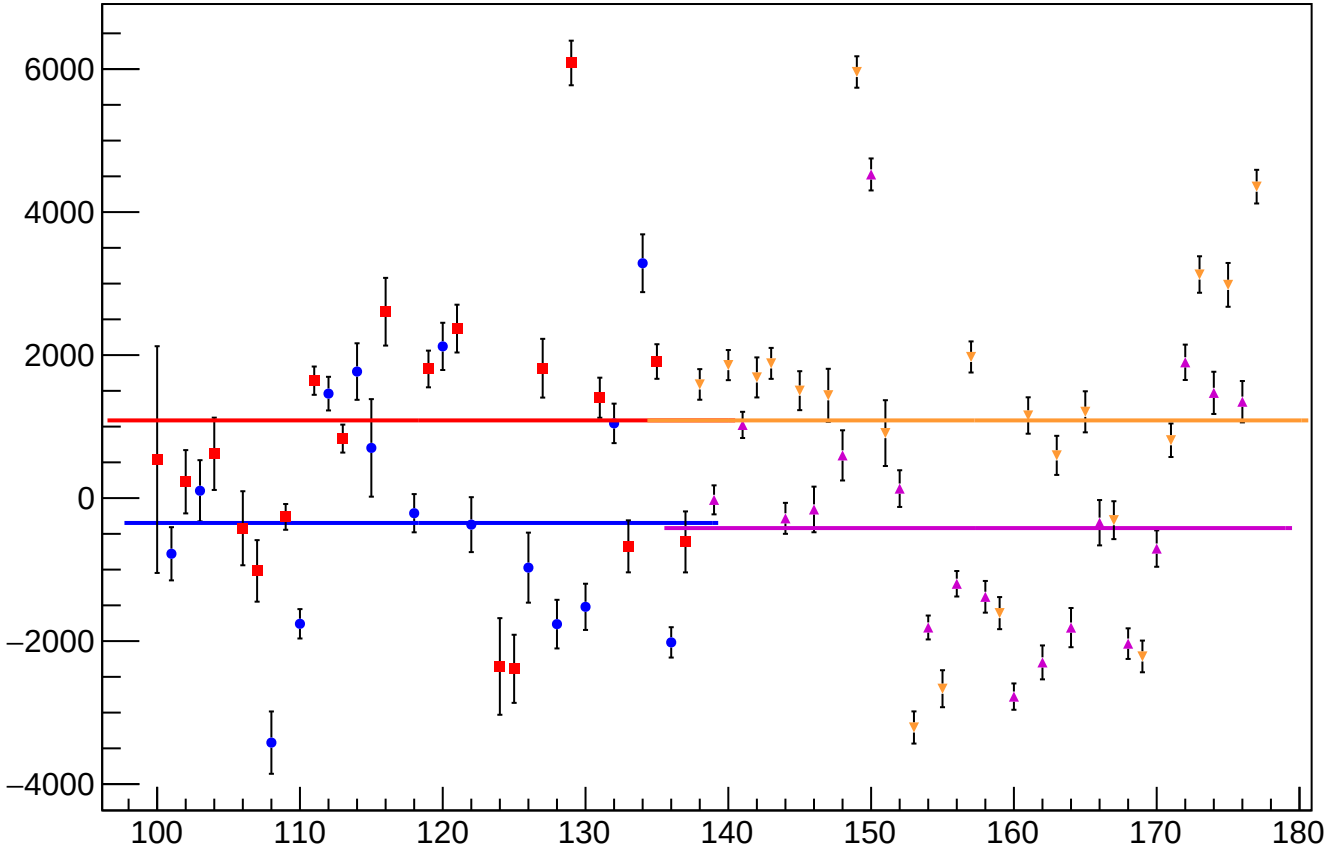
Left In: 202.308+/-0.038 χ^2/NDF:988106.7/18

+ sign 214.820+/-0.032 χ^2/NDF: 1799042.6/36

All: 205.605+/-0.022 χ^2/NDF: 4331391.5/74

- sign 197.333+/-0.030 χ^2/NDF: 2376116.0/37

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1086.526+/-54.394 χ^2/NDF:1816.2/20

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

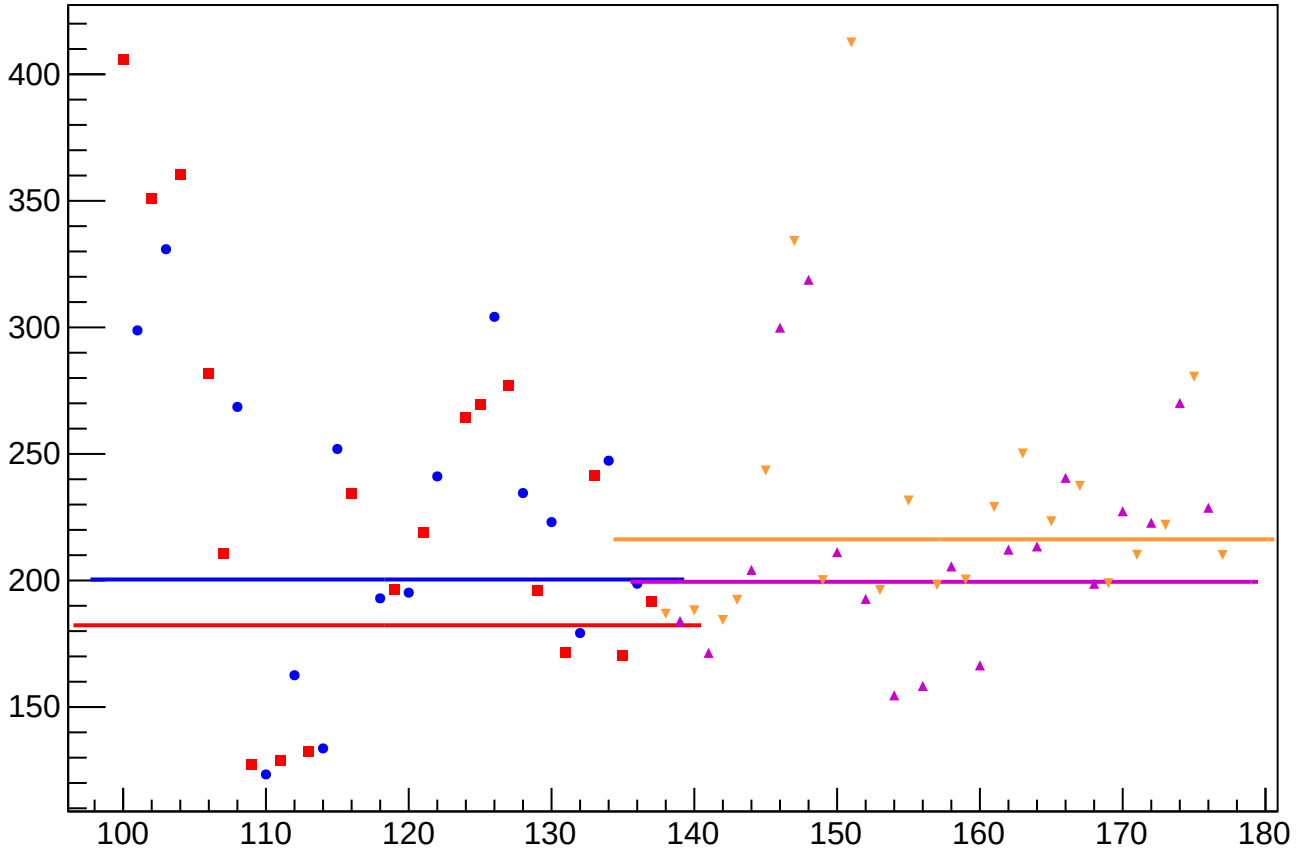
Left In: -419.297+/-52.442 χ^2/NDF:1152.3/18

+ sign 621.834+/-44.722 χ^2/NDF: 2487.3/36

All: 350.121+/-30.729 χ^2/NDF: 4524.9/74

- sign 107.092+/-42.295 χ^2/NDF: 1967.7/37

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 216.263+/-0.038 χ^2/NDF:921106.7/20

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

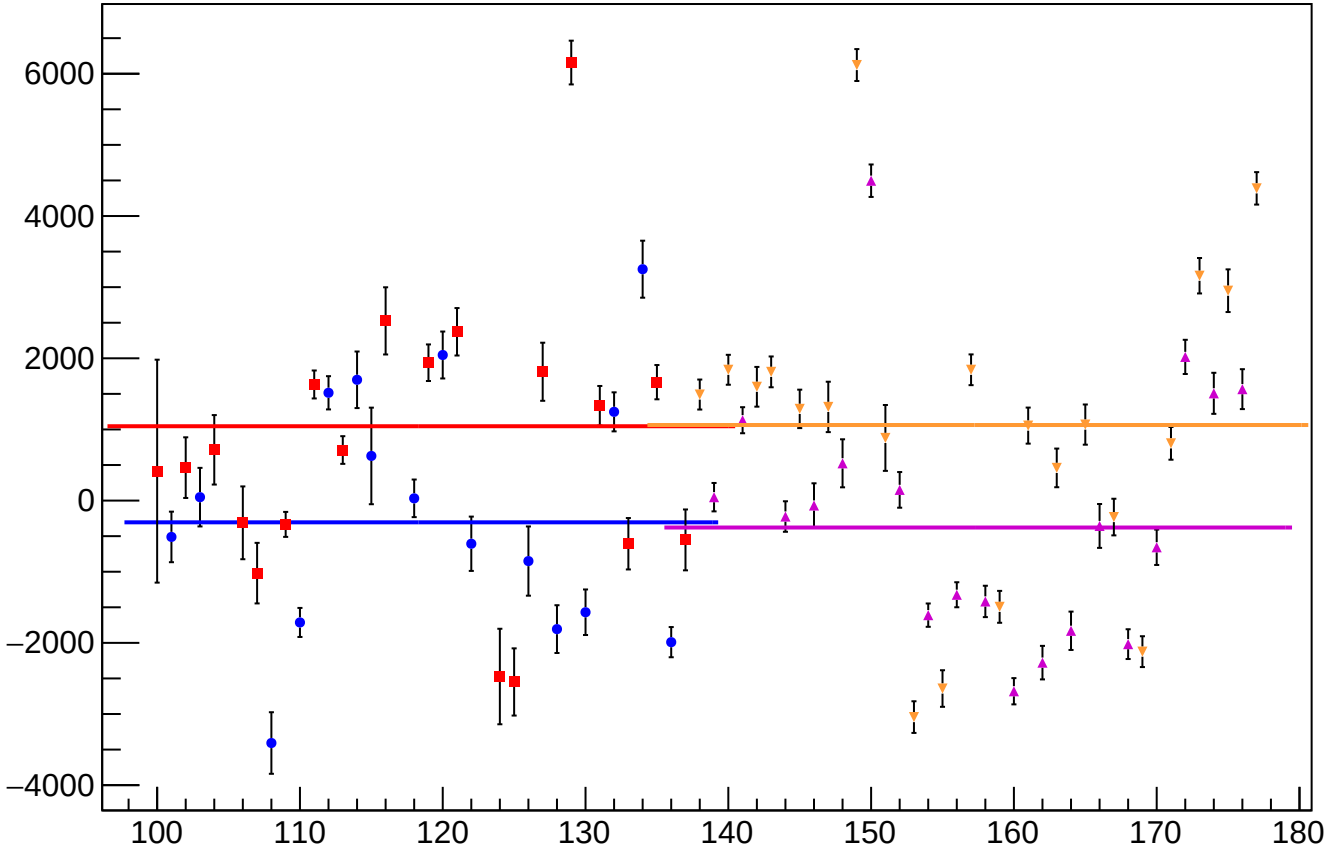
Left In: 199.486+/-0.037 χ^2/NDF:1033521.4/18

+ sign 211.123+/-0.032 χ^2/NDF: 1935232.5/36

All: 201.810+/-0.022 χ^2/NDF: 4655338.5/74

- sign 193.479+/-0.030 χ^2/NDF: 2555780.9/37

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1062.265+/-53.802 χ^2/NDF:1805.1/20

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

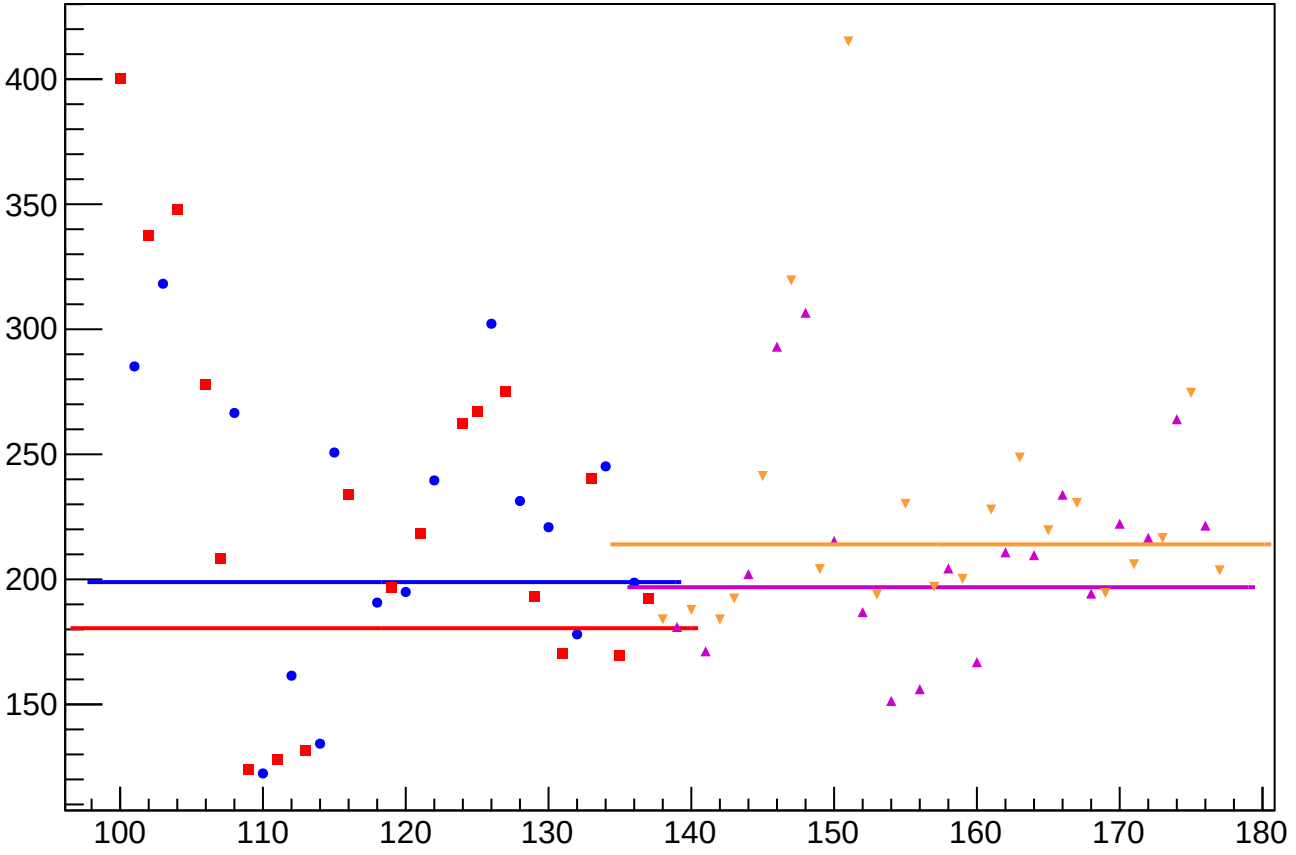
Left In: -378.612+/-51.739 χ^2/NDF:1151.8/18

\+ sign 620.244+/-44.264 χ^2/NDF: 2465.8/36

All: 354.001+/-30.383 χ^2/NDF: 4501.7/74

\- sign 116.821+/-41.778 χ^2/NDF: 1967.5/37

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 213.991+/-0.038 χ^2/NDF:890303.9/20

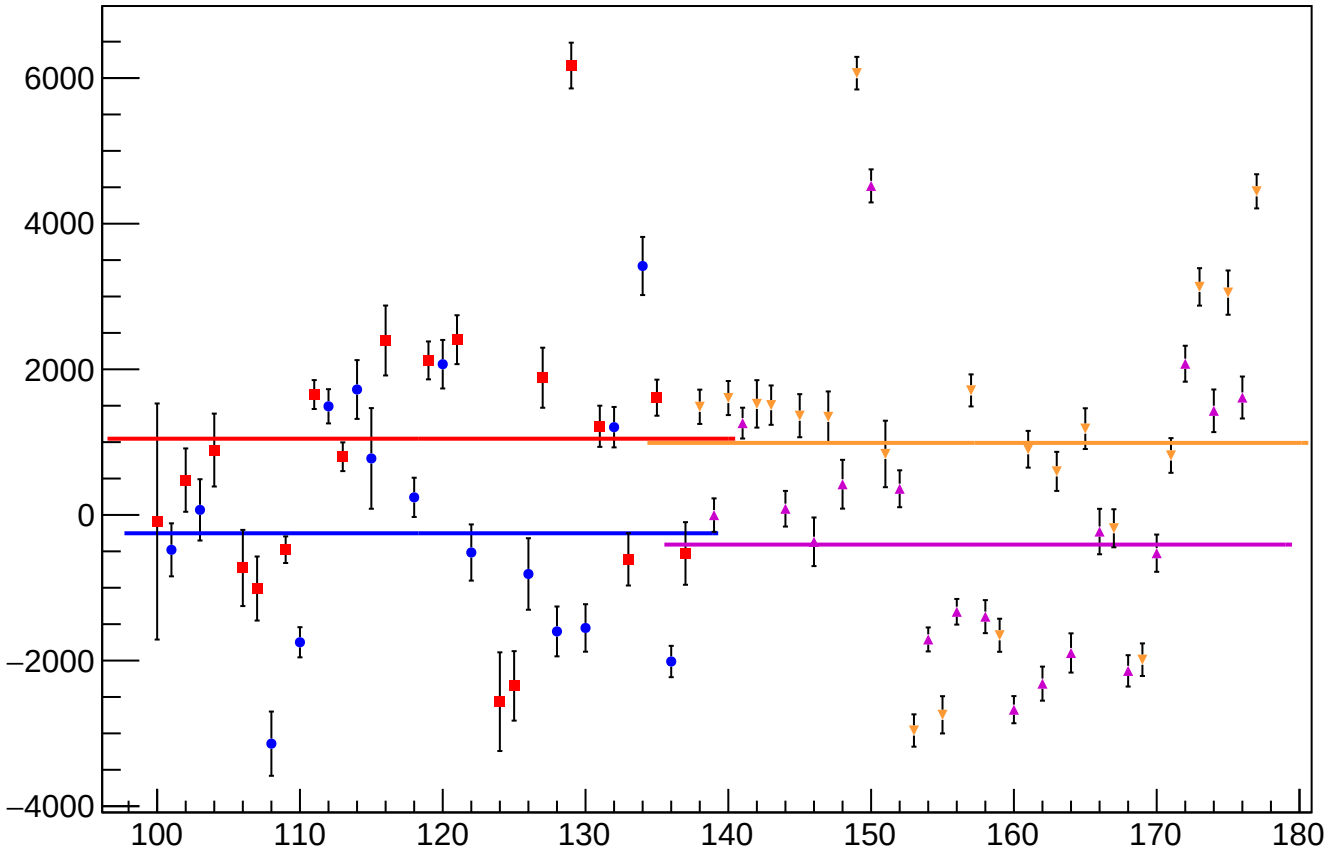
Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 196.858+/-0.037 χ^2/NDF:985805.4/18

+ sign 209.116+/-0.031 χ^2/NDF: 1853899.3/36

All: 199.618+/-0.021 χ^2/NDF: 4518059.6/74

- sign 191.156+/-0.030 χ^2/NDF: 2490042.1/37



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 989.516+/-56.065 χ^2/NDF:1744.0/20

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

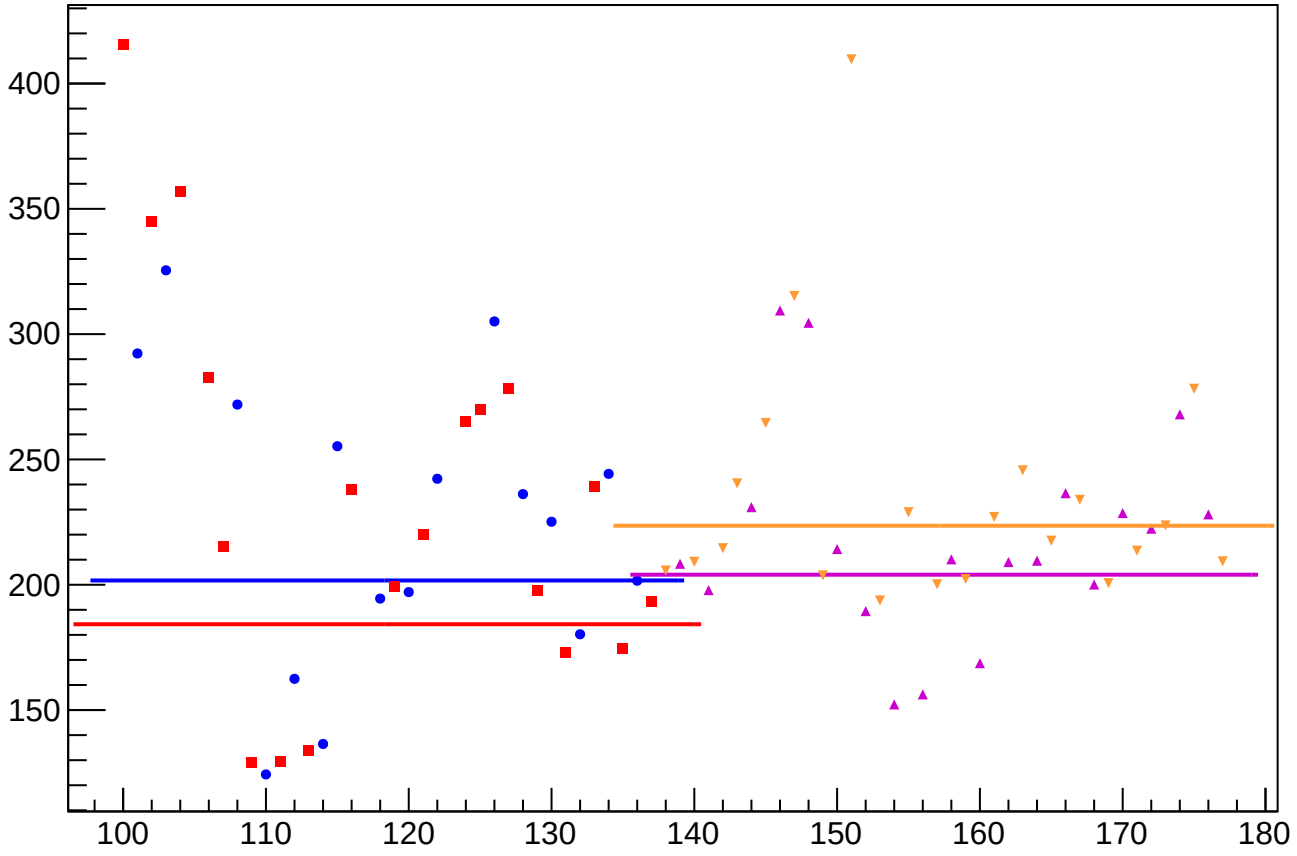
Left In: -407.120+/-53.664 χ^2/NDF:1164.4/18

+ sign 573.552+/-45.716 χ^2/NDF: 2349.5/36

All: 328.212+/-31.348 χ^2/NDF: 4376.3/74

- sign 110.476+/-43.068 χ^2/NDF: 1972.5/37

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 223.549+/-0.040 χ^2/NDF:743940.7/20

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

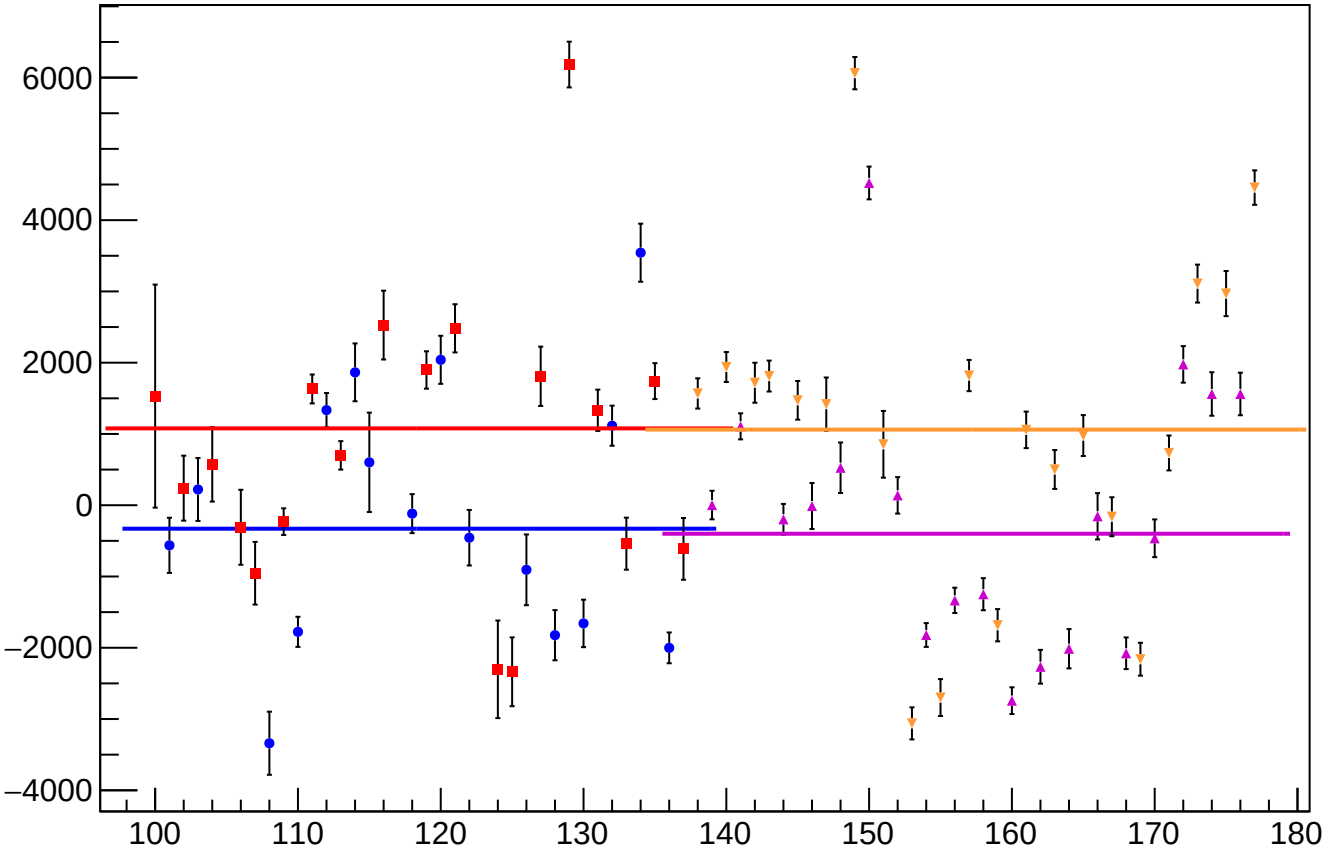
Left In: 204.016+/-0.038 χ^2/NDF:997099.3/18

+ sign 216.232+/-0.032 χ^2/NDF: 1769806.0/36

All: 206.031+/-0.022 χ^2/NDF: 4455231.9/74

- sign 196.979+/-0.030 χ^2/NDF: 2497491.9/37

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1060.877+/-55.095 χ^2/NDF:1750.1/20

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

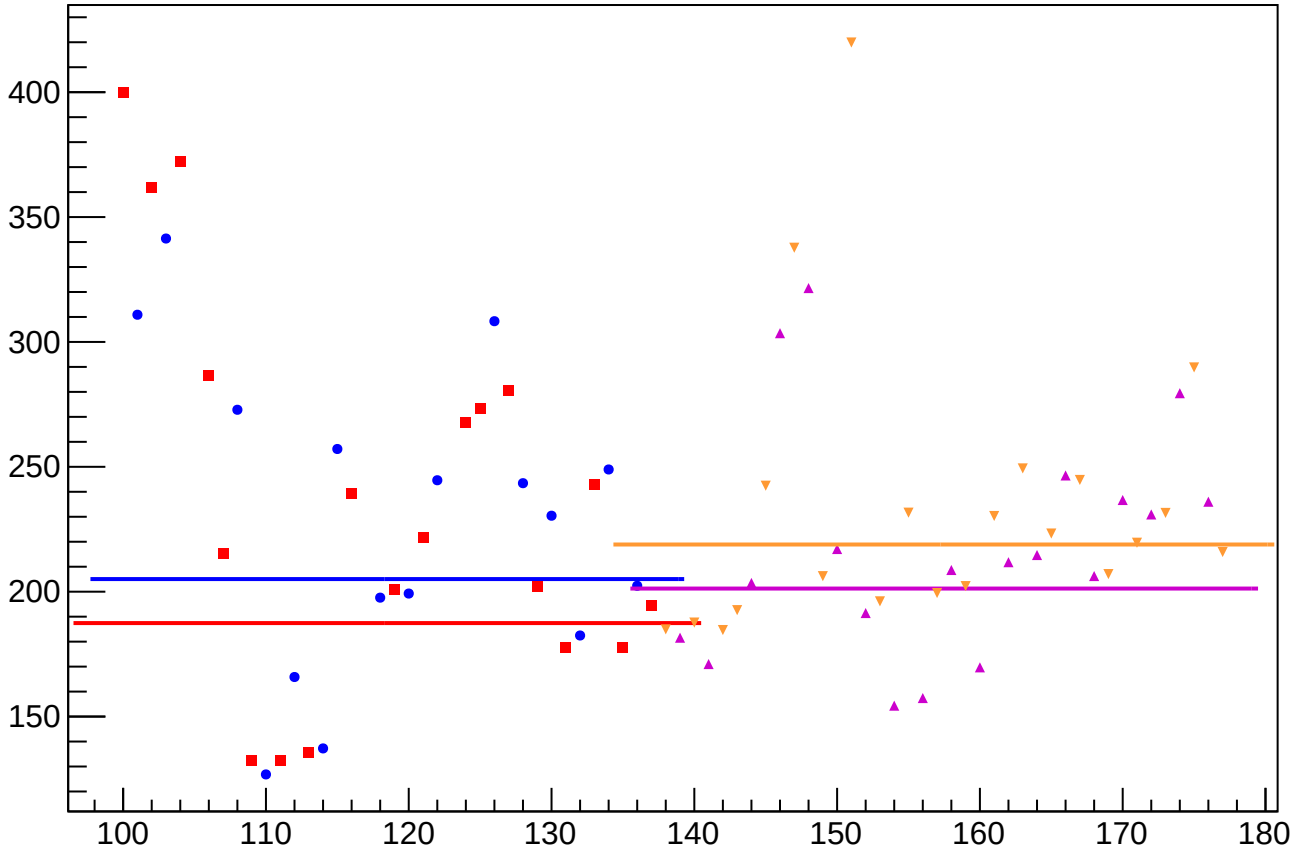
Left In: -400.103+/-53.006 χ^2/NDF:1137.9/18

+ sign 616.398+/-45.442 χ^2/NDF: 2390.1/36

All: 347.191+/-31.223 χ^2/NDF: 4362.9/74

- sign 106.442+/-42.973 χ^2/NDF: 1906.4/37

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 218.893+/-0.039 χ^2/NDF:956087.1/20

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

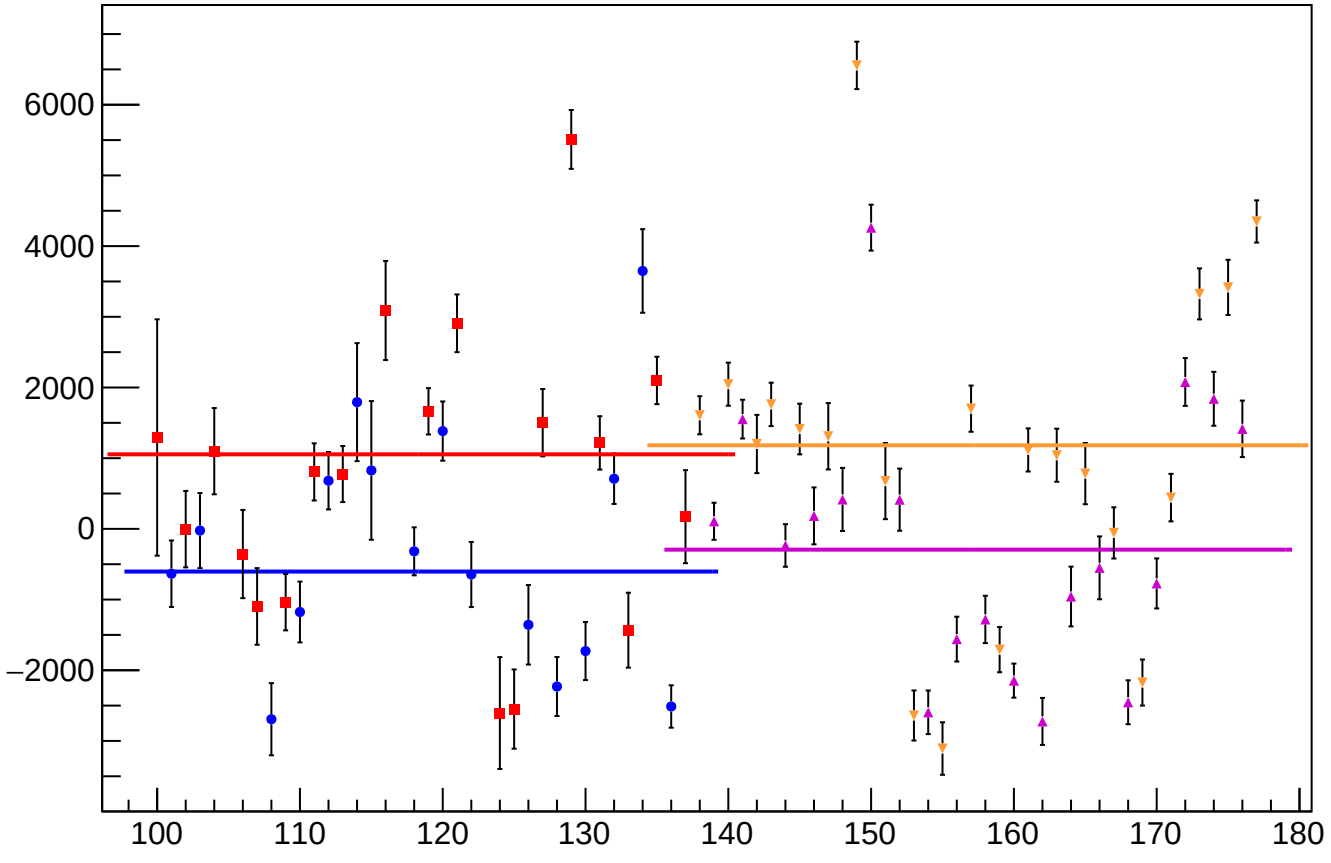
Left In: 201.254+/-0.037 χ^2/NDF:1126014.8/18

+ sign 214.468+/-0.032 χ^2/NDF: 1959490.9/36

All: 204.992+/-0.022 χ^2/NDF: 4707694.7/74

- sign 196.517+/-0.030 χ^2/NDF: 2583431.4/37

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1182.309+/-75.692 χ^2/NDF:910.2/20

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

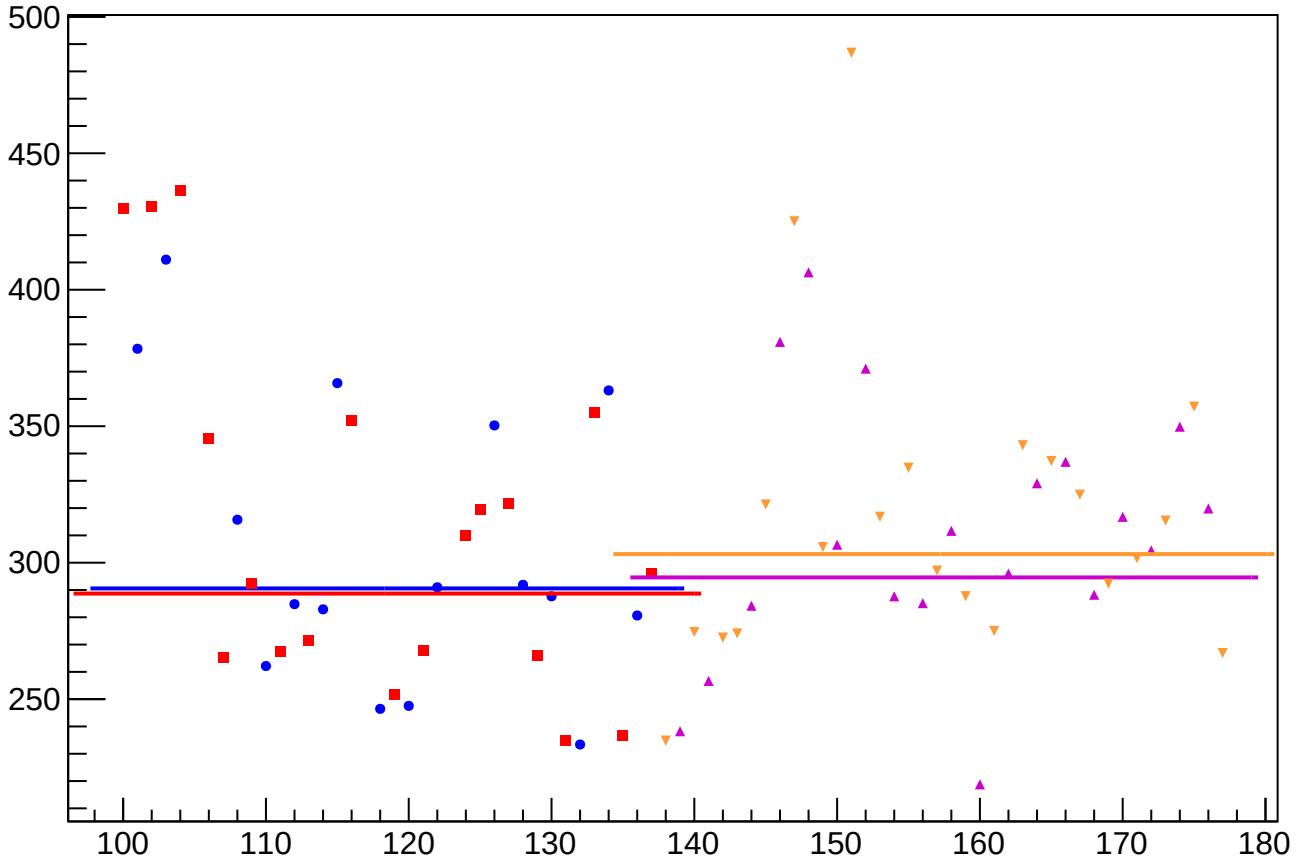
Left In: -294.033+/-76.409 χ^2/NDF:595.9/18

+ sign 613.224+/-62.481 χ^2/NDF: 1281.1/36

All: 383.597+/-44.162 χ^2/NDF: 2305.2/74

- sign 154.364+/-62.427 χ^2/NDF: 997.1/37

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 303.144+/-0.054 χ^2/NDF:702414.2/20

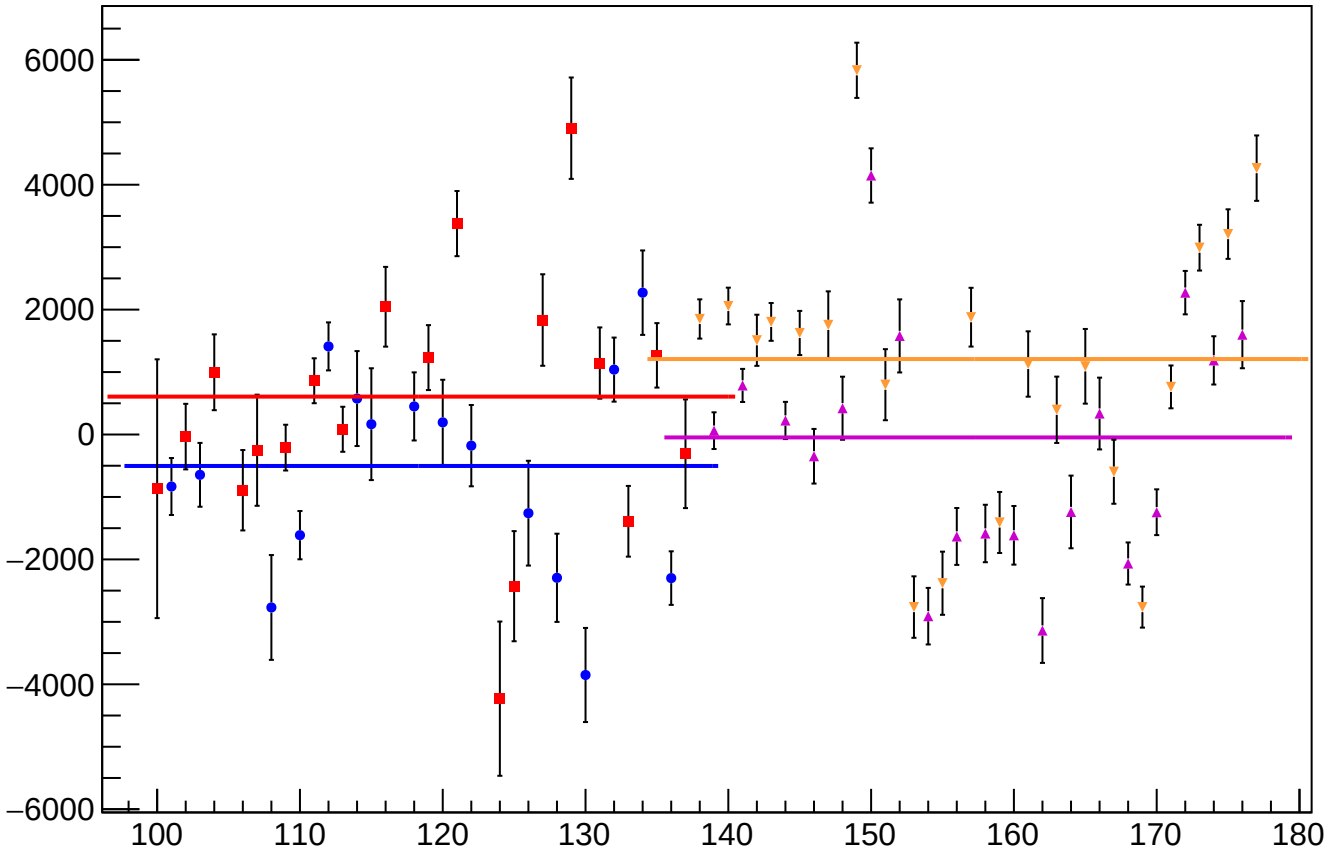
Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 294.599+/-0.054 χ^2/NDF:711768.2/18

+ sign 299.137+/-0.044 χ^2/NDF: 1079816.1/36

All: 295.882+/-0.031 χ^2/NDF: 2295505.0/74

- sign 292.633+/-0.044 χ^2/NDF: 1204845.9/37



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1208.297+/-89.815 χ^2/NDF:521.4/20

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

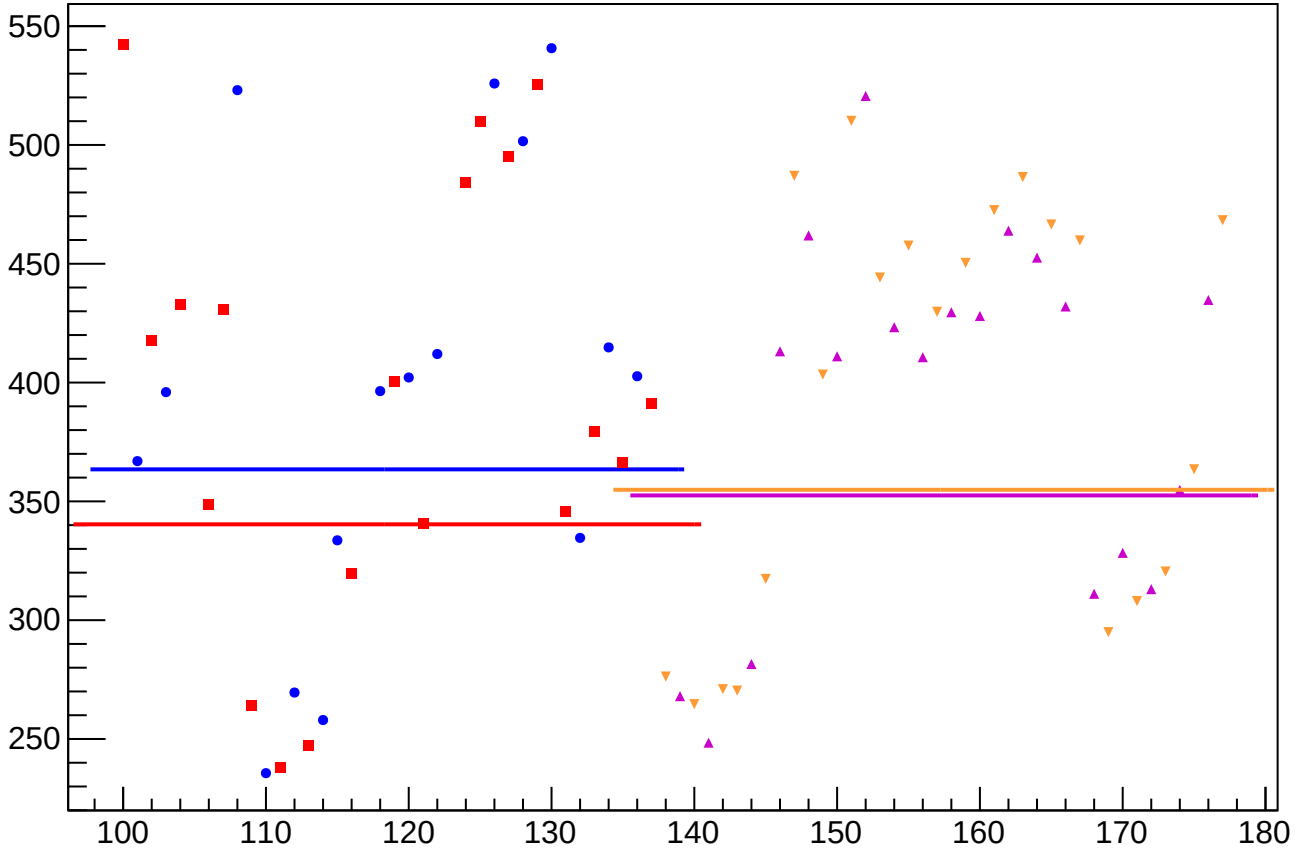
Left In: -46.794+/-92.148 χ^2/NDF:338.0/18

+ sign 709.432+/-75.605 χ^2/NDF: 745.5/36

All: 439.264+/-53.282 χ^2/NDF: 1250.9/74

- sign 172.684+/-75.101 χ^2/NDF: 480.1/37

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 354.878+/-0.064 χ^2/NDF:1738795.0/20

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

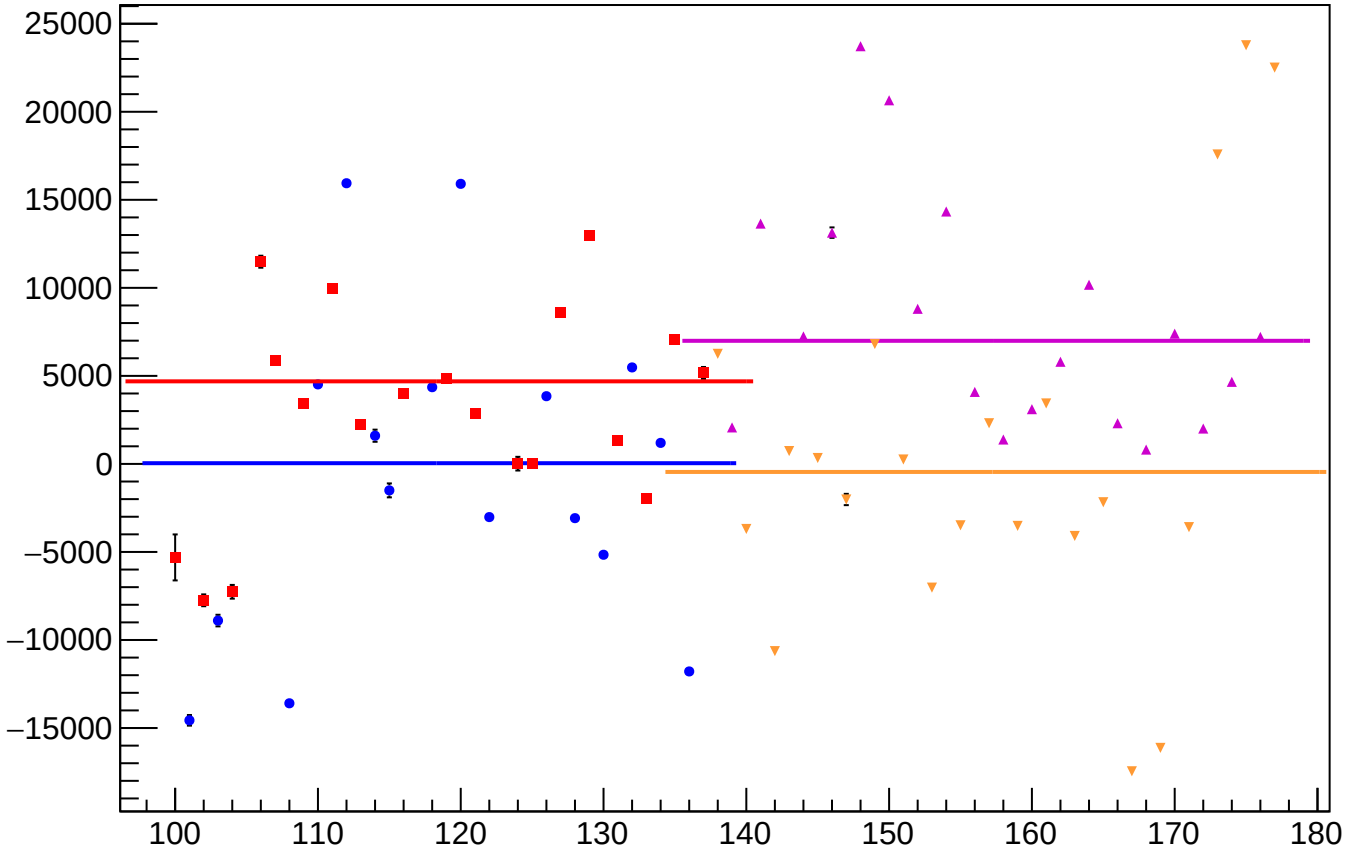
Left In: 352.493+/-0.065 χ^2/NDF:1411287.6/18

+ sign 357.382+/-0.053 χ^2/NDF: 2525023.0/36

All: 352.866+/-0.038 χ^2/NDF: 4818413.1/74

- sign 348.410+/-0.053 χ^2/NDF: 2279213.9/37

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -455.975+/-42.755 χ^2/NDF:54171.5/20

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

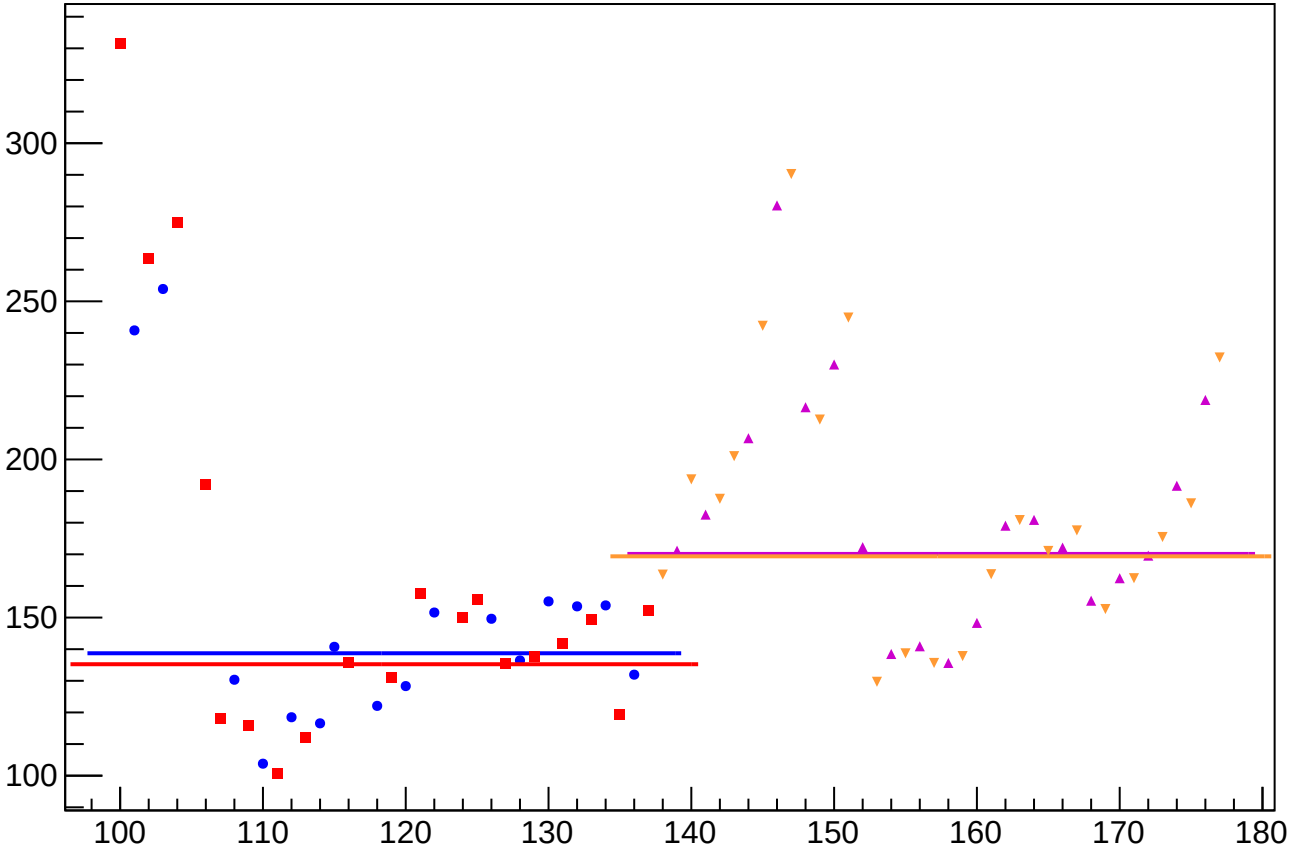
Left In: 6991.813+/-44.595 χ^2/NDF:17738.2/18

+ sign -265.372+/-33.568 χ^2/NDF: 85009.6/36

All: 2847.554+/-23.845 χ^2/NDF: 129029.8/74

- sign 6018.251+/-33.878 χ^2/NDF: 26660.8/37

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 169.364+/-0.030 χ^2/NDF:1299869.0/20

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

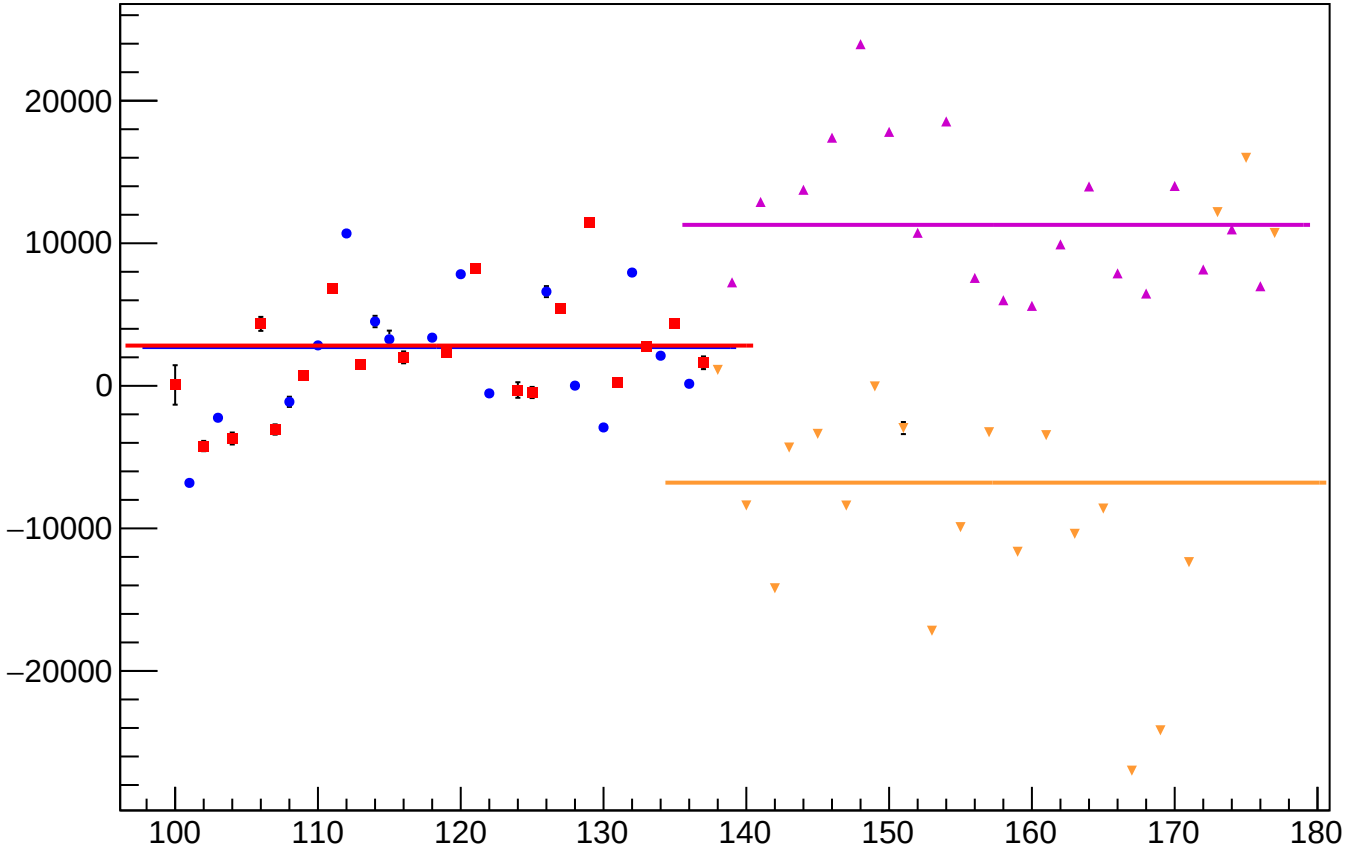
Left In: 170.120+/-0.032 χ^2/NDF:951737.9/18

+ sign 157.606+/-0.024 χ^2/NDF: 2351967.8/36

All: 156.499+/-0.017 χ^2/NDF: 4715391.3/74

- sign 155.372+/-0.024 χ^2/NDF: 2359033.1/37

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6790.881+/-49.614 χ^2/NDF:45703.1/20

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

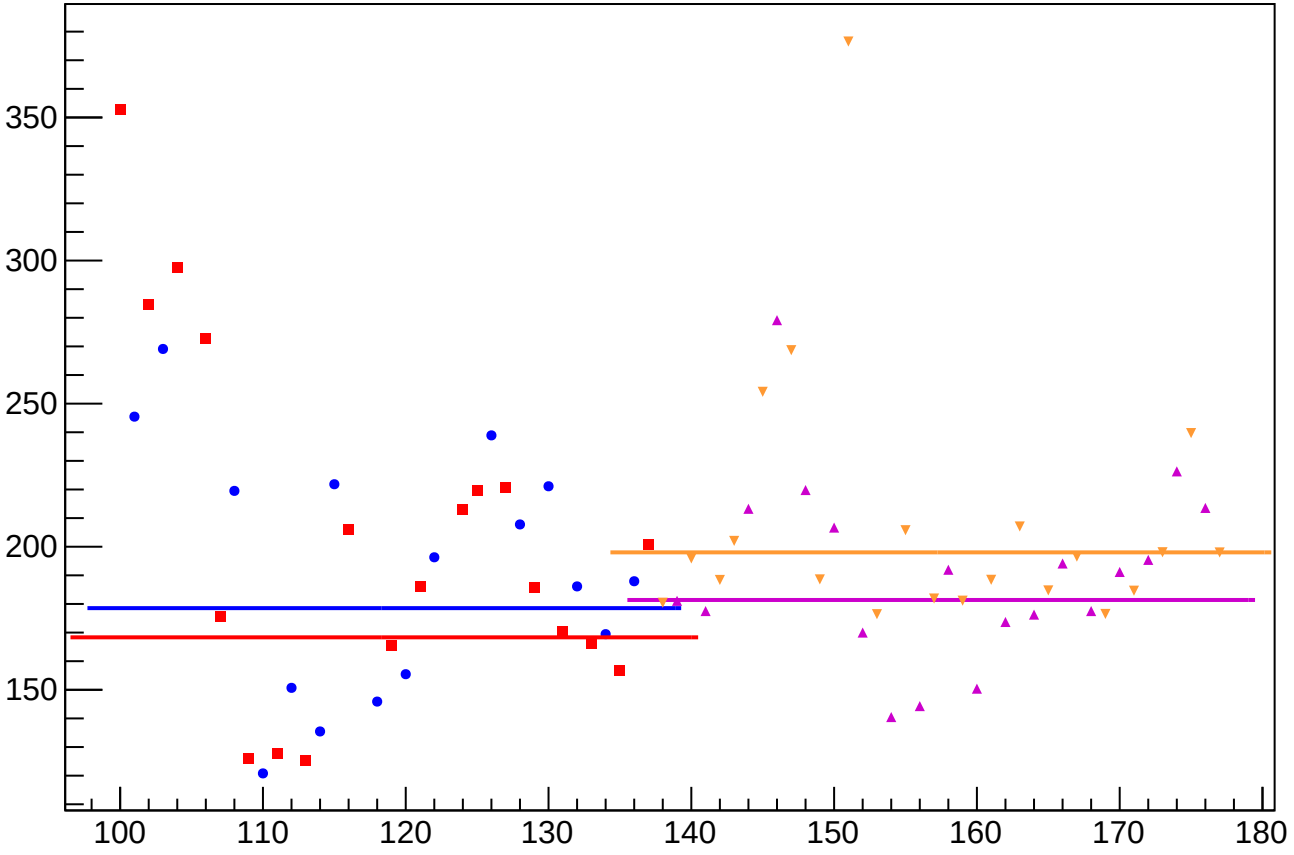
Left In: 11291.807+/-47.500 χ^2/NDF:10841.7/18

+ sign -3564.738+/-40.331 χ^2/NDF: 62297.5/36

All: 2689.115+/-27.780 χ^2/NDF: 133052.2/74

- sign 8335.019+/-38.320 χ^2/NDF: 25002.0/37

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.027+/-0.035 χ^2/NDF:716878.9/20

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

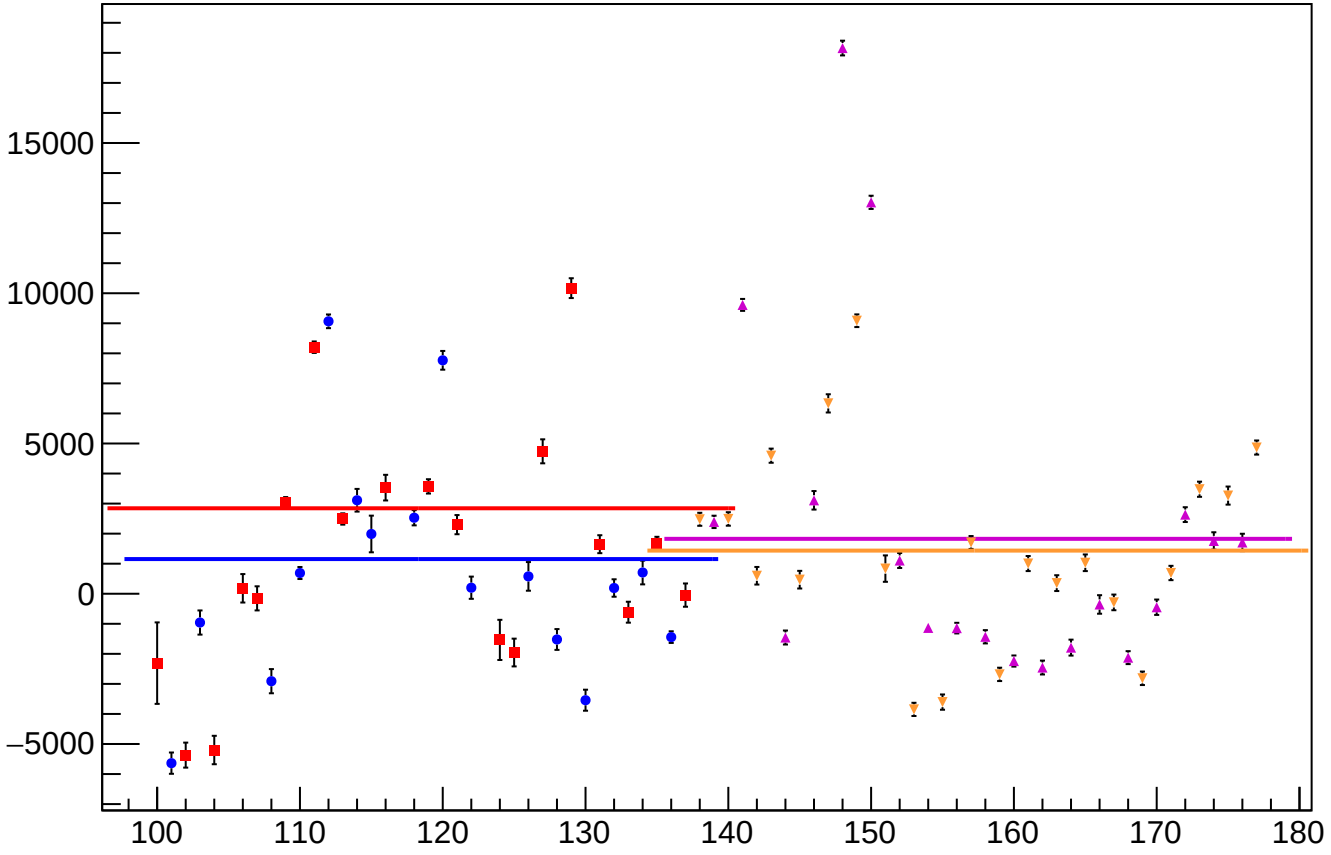
Left In: 181.391+/-0.034 χ^2/NDF:780519.3/18

+ sign 191.417+/-0.029 χ^2/NDF: 1496100.0/36

All: 183.752+/-0.020 χ^2/NDF: 3446336.3/74

- sign 176.832+/-0.027 χ^2/NDF: 1812766.2/37

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1435.579+/-54.270 χ^2/NDF:3887.2/20

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

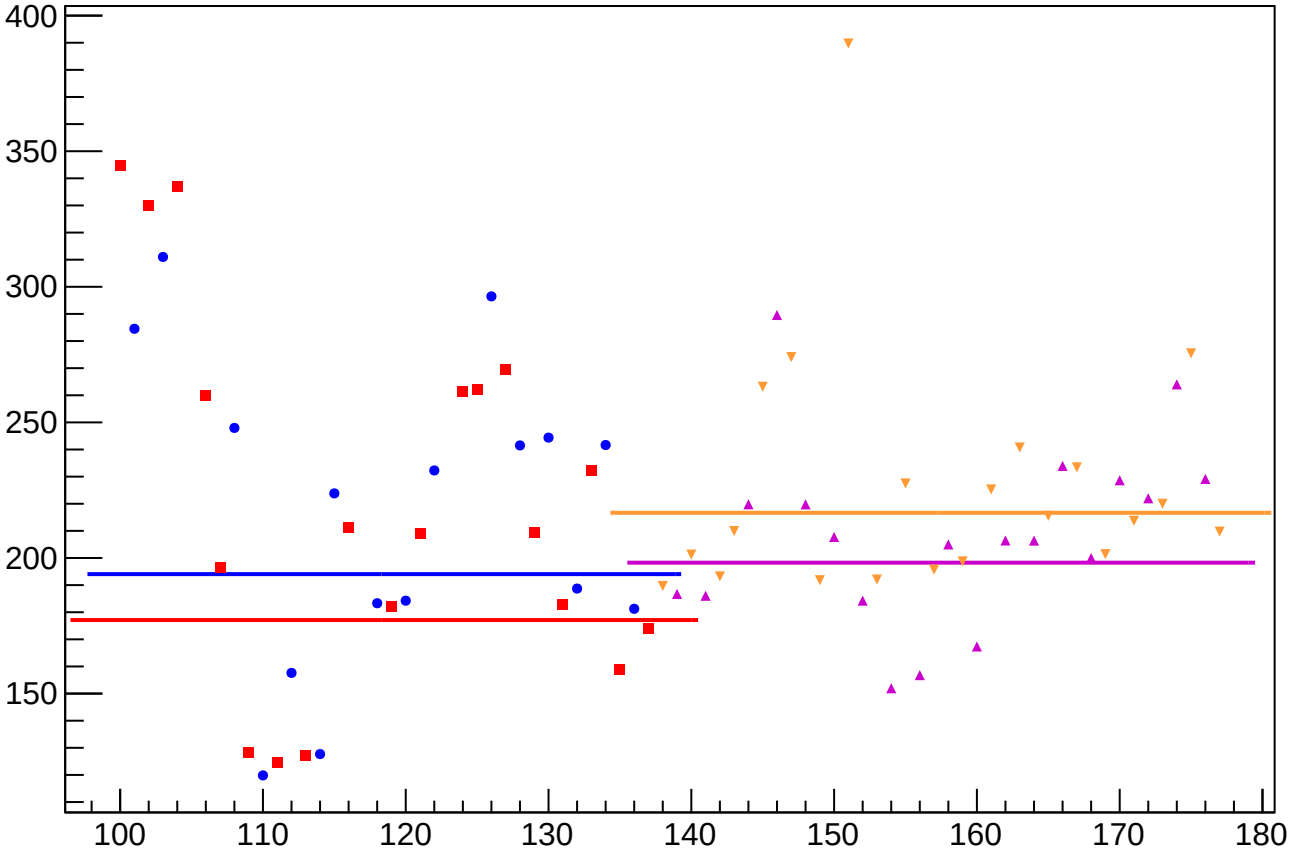
Left In: 1827.108+/-51.942 χ^2/NDF:11093.3/18

\+ sign 1340.355+/-44.157 χ^2/NDF: 6551.6/36

All: 1793.316+/-30.252 χ^2/NDF: 20434.6/74

\- sign 2193.940+/-41.528 χ^2/NDF: 13684.7/37

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.667+/-0.038 χ^2/NDF:690691.6/20

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

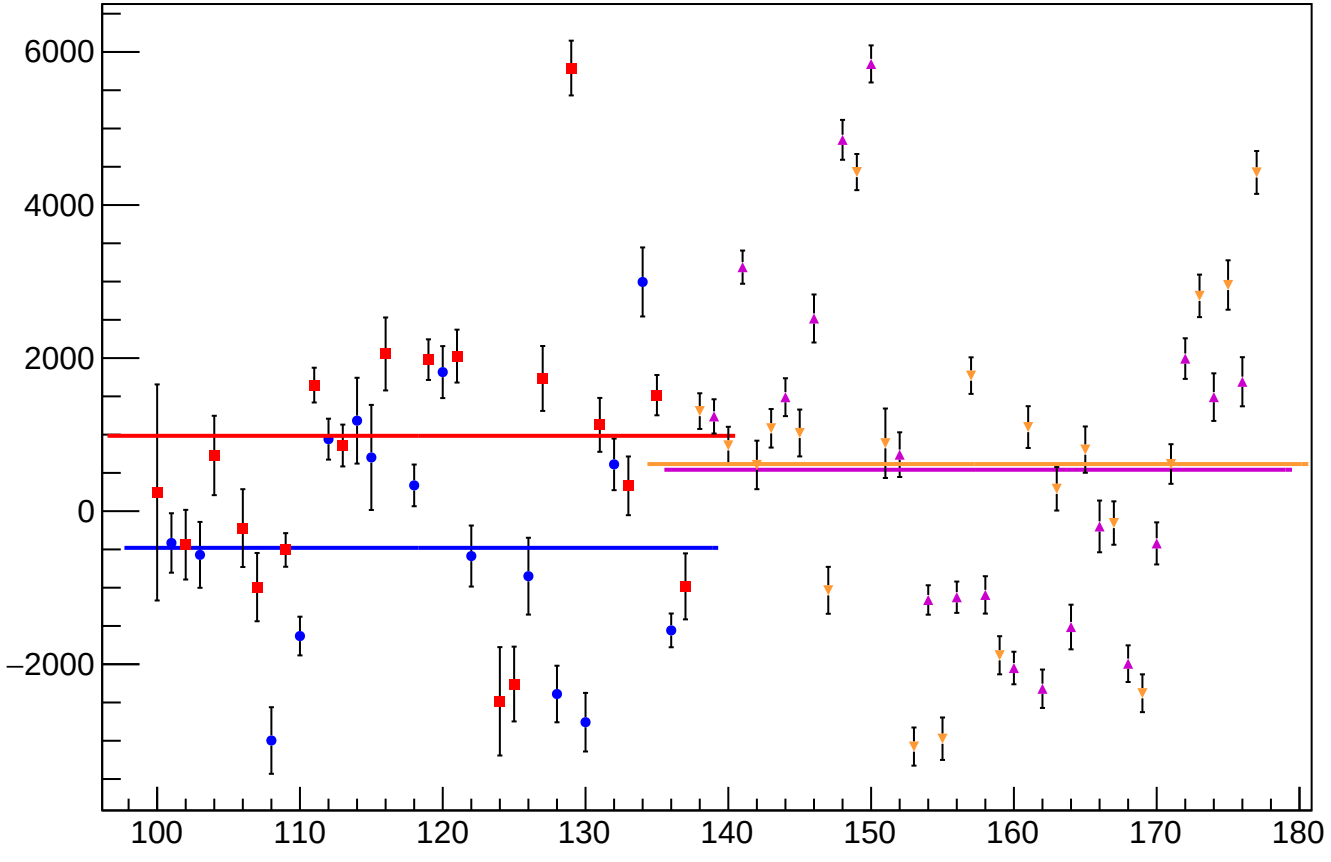
Left In: 198.270+/-0.037 χ^2/NDF:763146.2/18

+ sign 209.024+/-0.031 χ^2/NDF: 1773837.4/36

All: 199.267+/-0.021 χ^2/NDF: 4200020.8/74

- sign 190.638+/-0.029 χ^2/NDF: 2242178.5/37

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 615.556+/-59.376 χ^2/NDF:1275.6/20

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

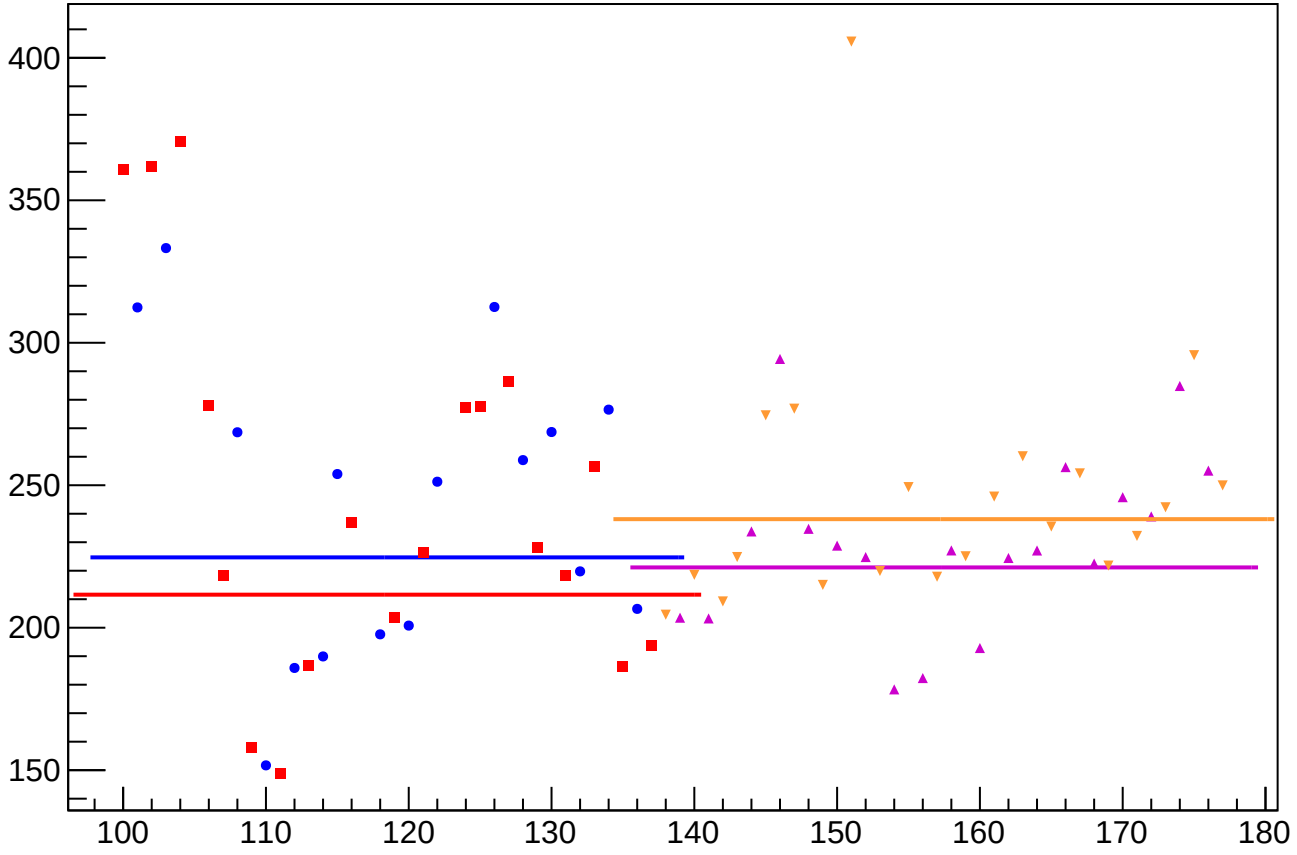
Left In: 540.953+/-57.502 χ^2/NDF:1665.0/18

+ sign 265.918+/-48.986 χ^2/NDF: 1689.6/36

All: 487.132+/-33.869 χ^2/NDF: 3811.8/74

- sign 689.715+/-46.878 χ^2/NDF: 2083.1/37

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.098+/-0.042 χ^2/NDF:560092.5/20

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

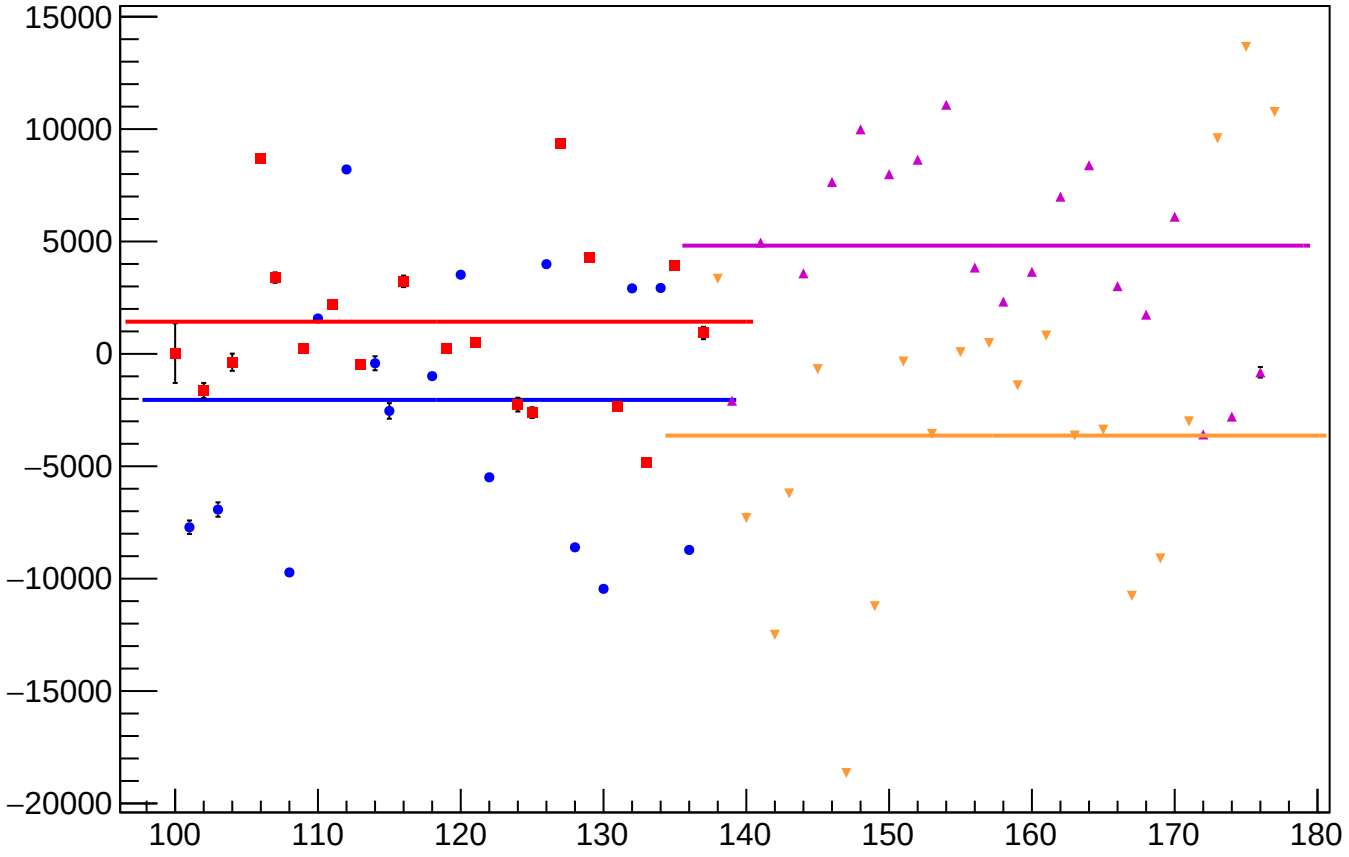
Left In: 221.158+/-0.041 χ^2/NDF:510069.5/18

+ sign 233.814+/-0.035 χ^2/NDF: 1245887.7/36

All: 225.533+/-0.024 χ^2/NDF: 2816886.9/74

- sign 217.950+/-0.033 χ^2/NDF: 1461522.9/37

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3633.758+/-31.893 χ^2/NDF:51612.4/20

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

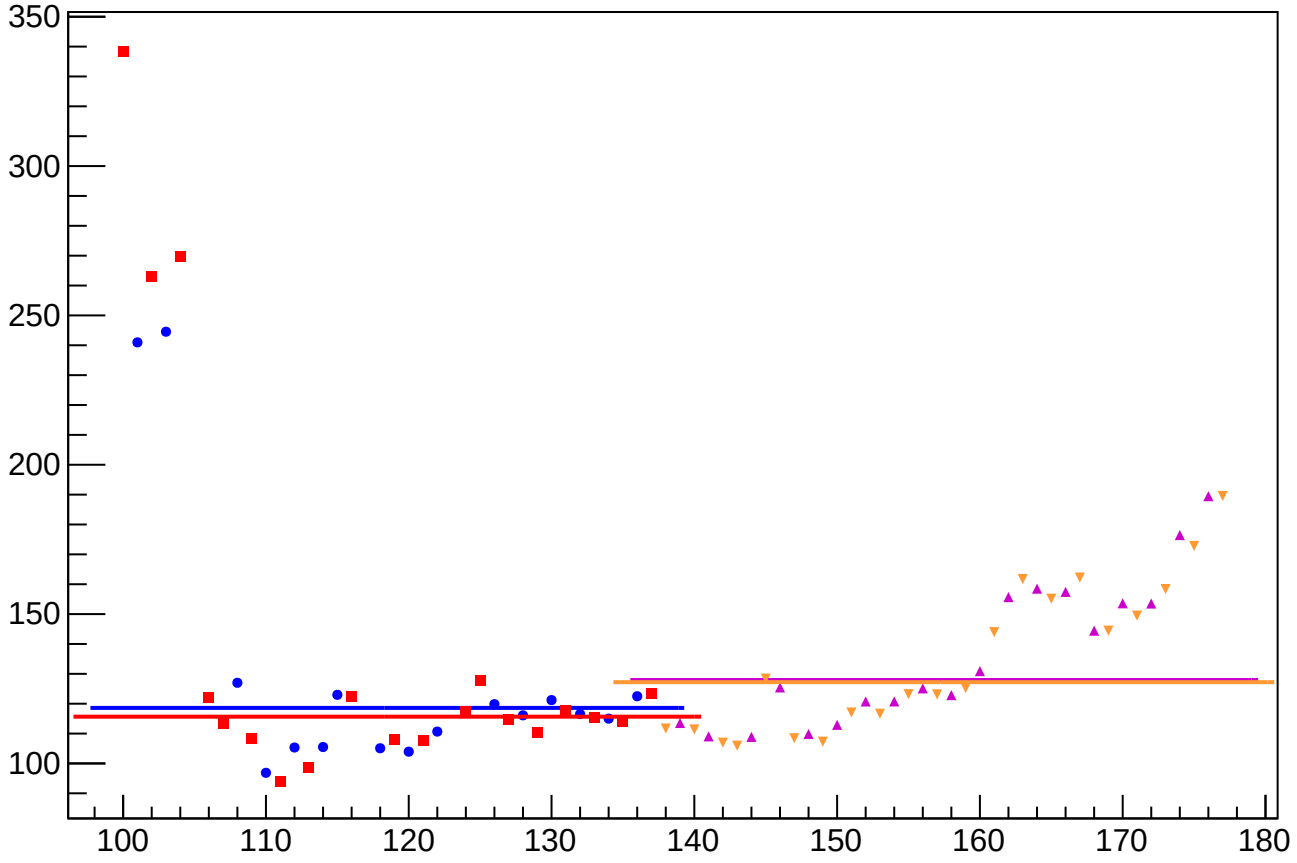
Left In: 4816.123+/-33.157 χ^2/NDF:15227.7/18

+ sign -3129.483+/-26.341 χ^2/NDF: 69108.1/36

All: 205.842+/-18.730 χ^2/NDF: 126842.6/74

- sign 3616.345+/-26.636 χ^2/NDF: 25307.8/37

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 127.212+/-0.023 χ^2/NDF:908470.2/20

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

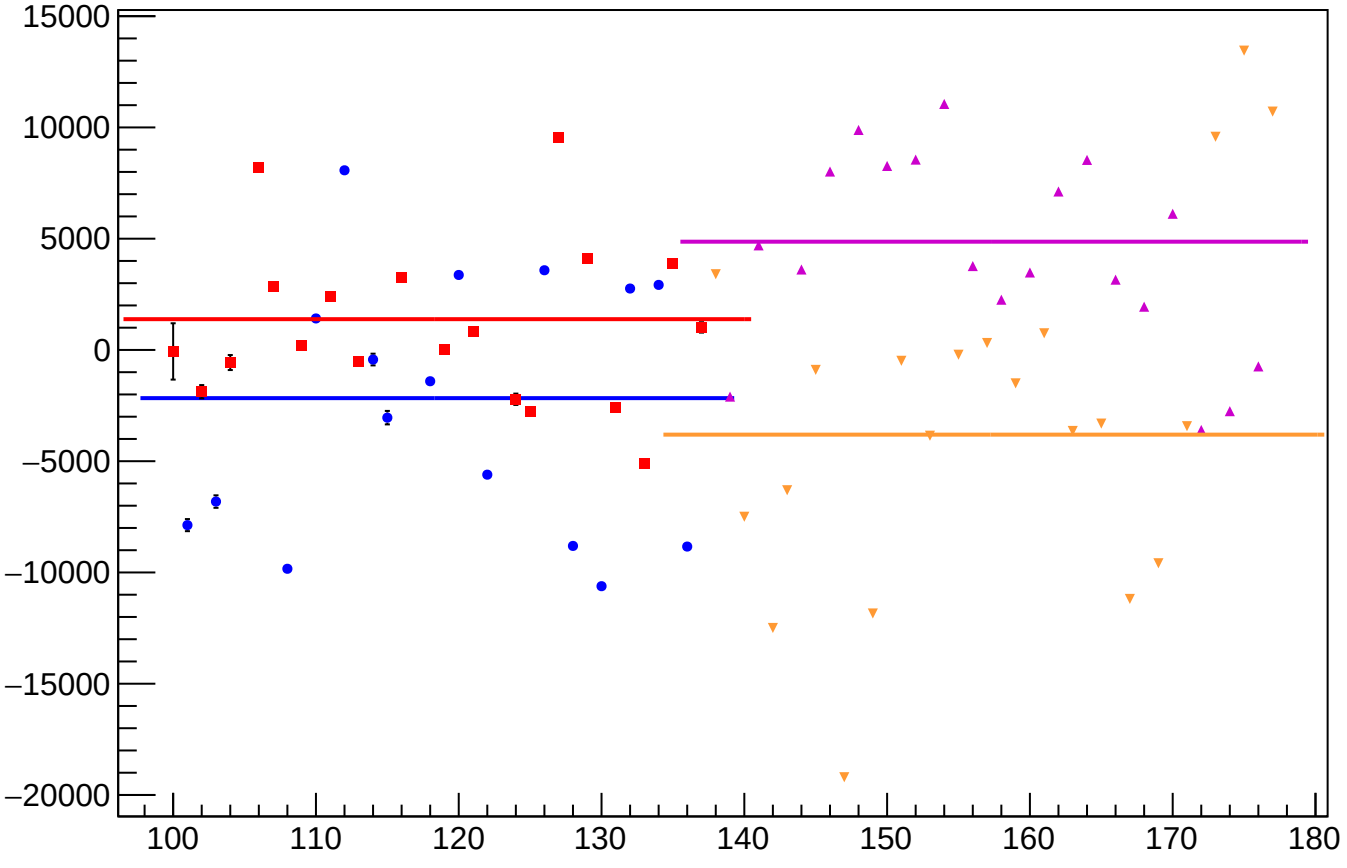
Left In: 127.934+/-0.023 χ^2/NDF:735368.0/18

+ sign 124.473+/-0.019 χ^2/NDF: 1689029.0/36

All: 124.032+/-0.013 χ^2/NDF: 3386939.8/74

- sign 123.581+/-0.019 χ^2/NDF: 1696776.5/37

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -3806.235+/-28.875 χ^2/NDF:60848.3/20

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

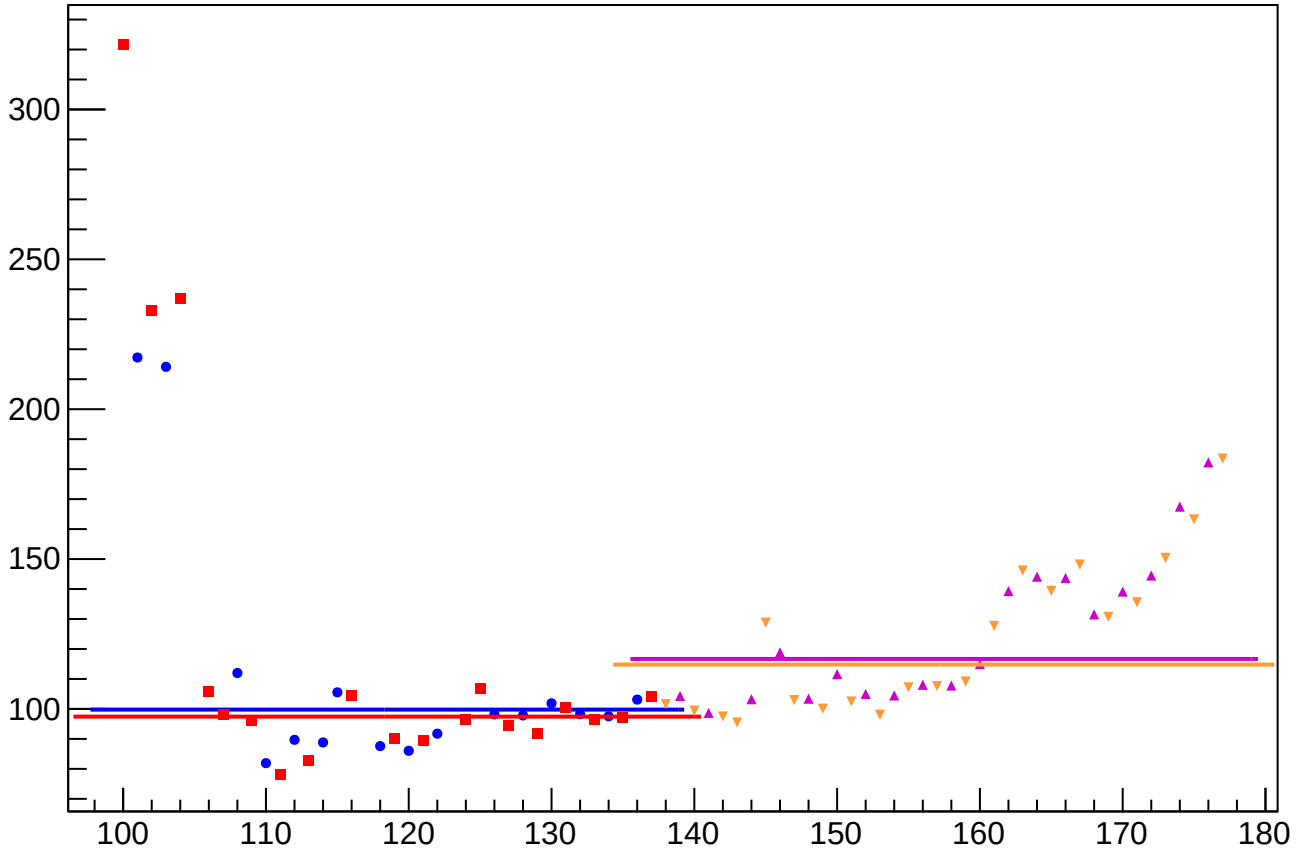
Left In: 4864.966+/-30.285 χ^2/NDF:18123.9/18

+ sign -3237.431+/-23.338 χ^2/NDF: 84842.2/36

All: 88.141+/-16.621 χ^2/NDF: 158460.9/74

- sign 3511.383+/-23.678 χ^2/NDF: 32410.9/37

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 114.798+/-0.020 χ^2/NDF:1050662.3/20

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

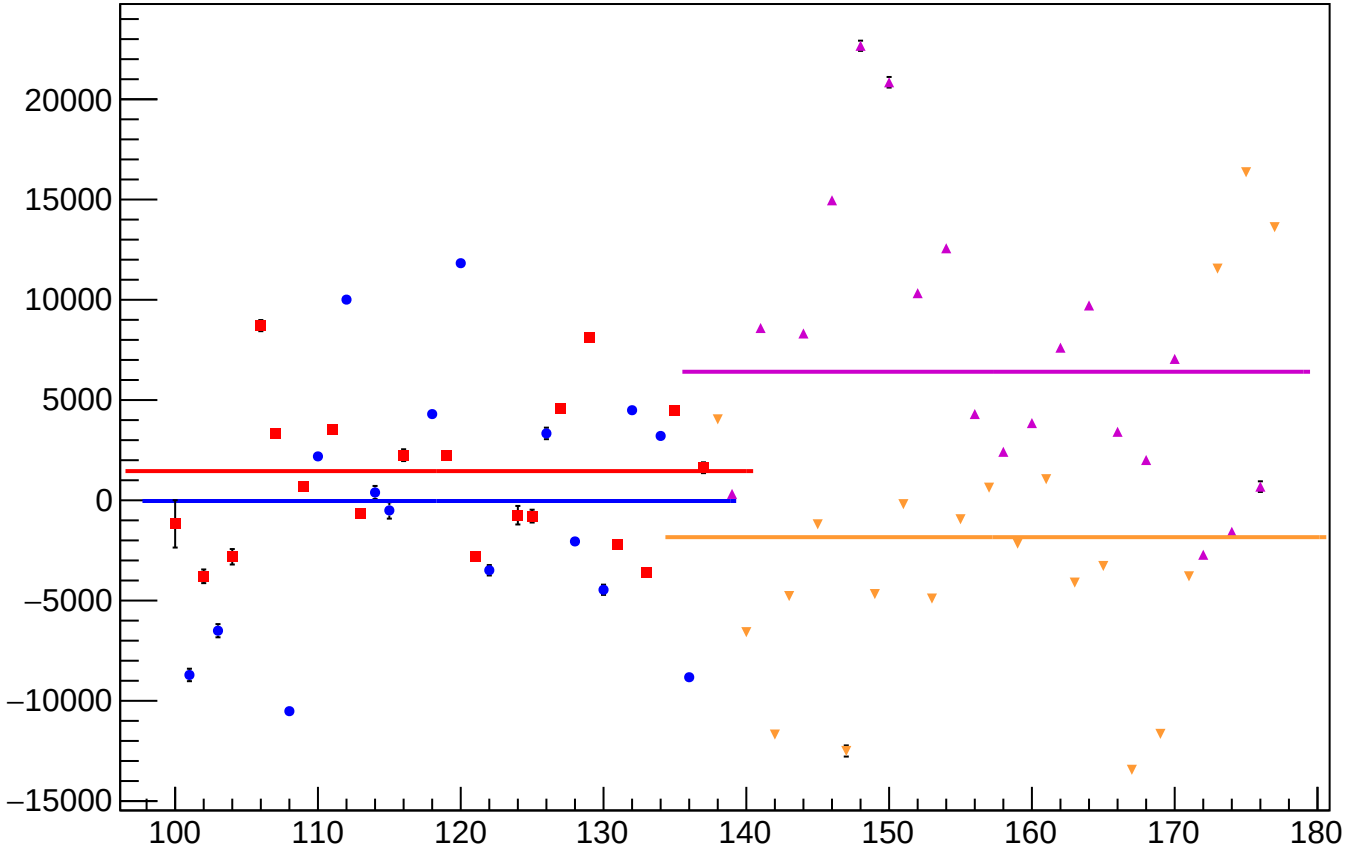
Left In: 116.676+/-0.021 χ^2/NDF:778990.6/18

+ sign 109.588+/-0.017 χ^2/NDF: 2047543.2/36

All: 109.394+/-0.012 χ^2/NDF: 4066942.5/74

- sign 109.193+/-0.017 χ^2/NDF: 2019117.0/37

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -1838.182+/-39.941 χ^2/NDF:29324.6/20

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

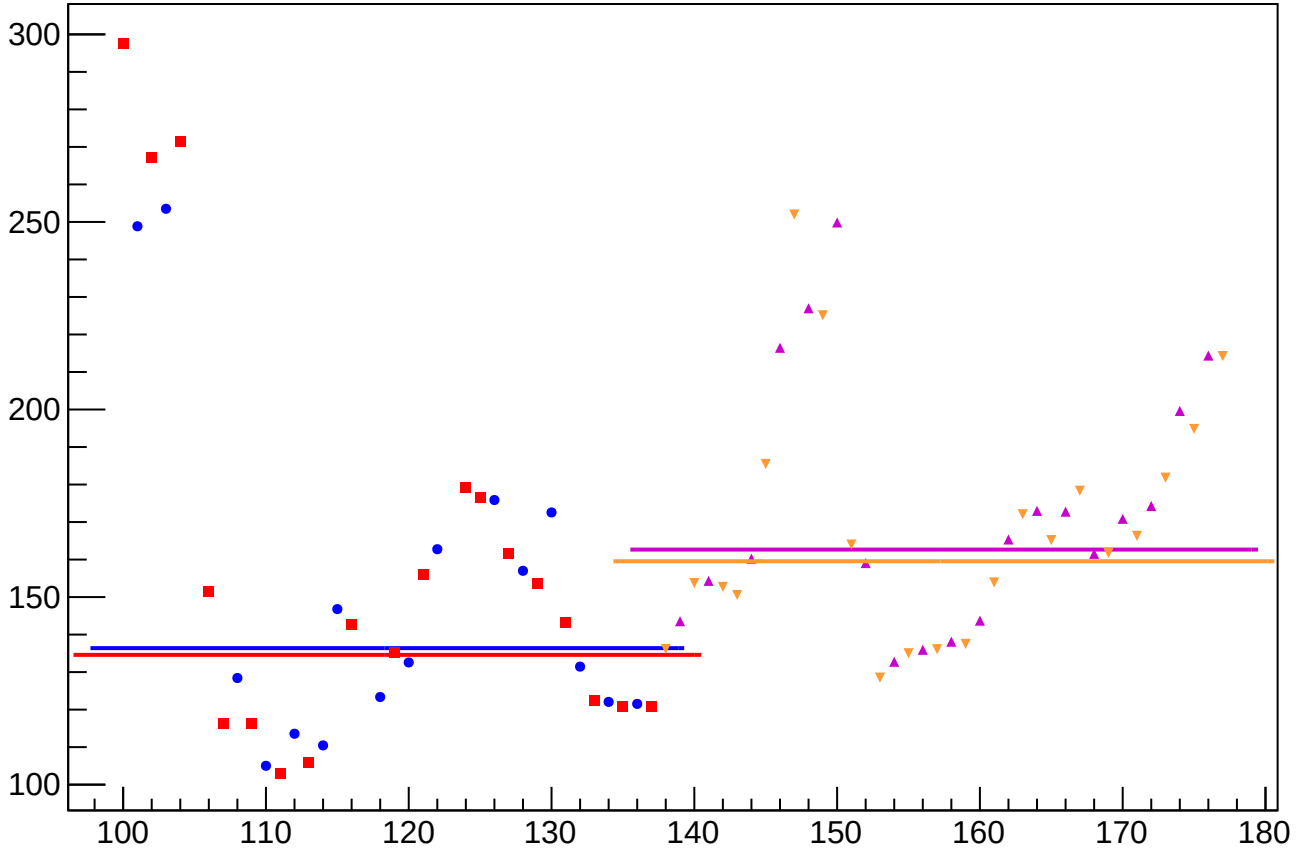
Left In: 6410.873+/-42.261 χ^2/NDF:18858.8/18

+ sign -1192.190+/-31.998 χ^2/NDF: 46857.7/36

All: 1554.668+/-22.898 χ^2/NDF: 90410.8/74

- sign 4437.773+/-32.782 χ^2/NDF: 28449.1/37

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 159.549+/-0.028 χ^2/NDF:906165.8/20

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

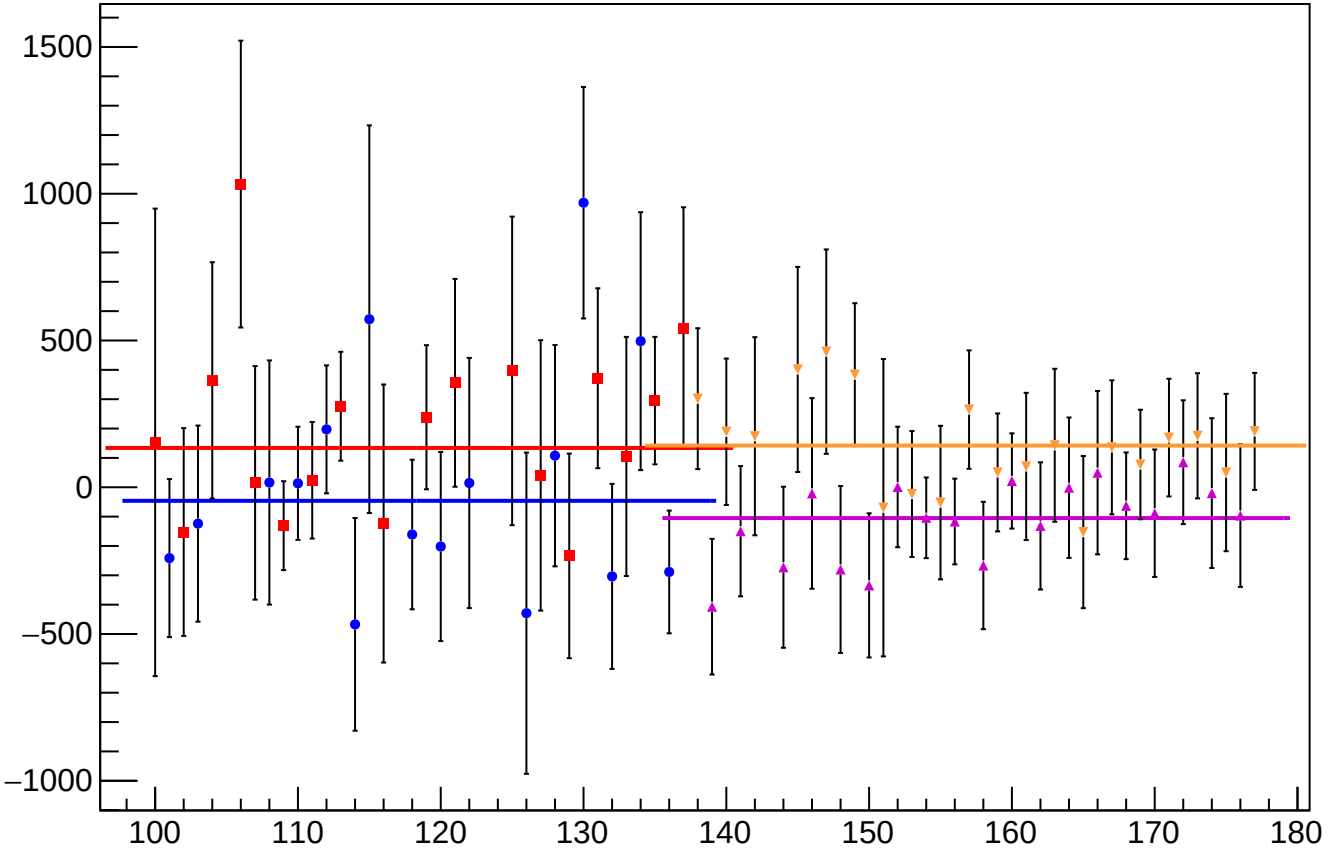
Left In: 162.661+/-0.030 χ^2/NDF:877492.7/18

+ sign 151.252+/-0.023 χ^2/NDF: 1944009.2/36

All: 151.365+/-0.016 χ^2/NDF: 4092375.9/74

- sign 151.484+/-0.023 χ^2/NDF: 2148315.1/37

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 142.097+/-53.874 χ^2/NDF:6.5/19

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

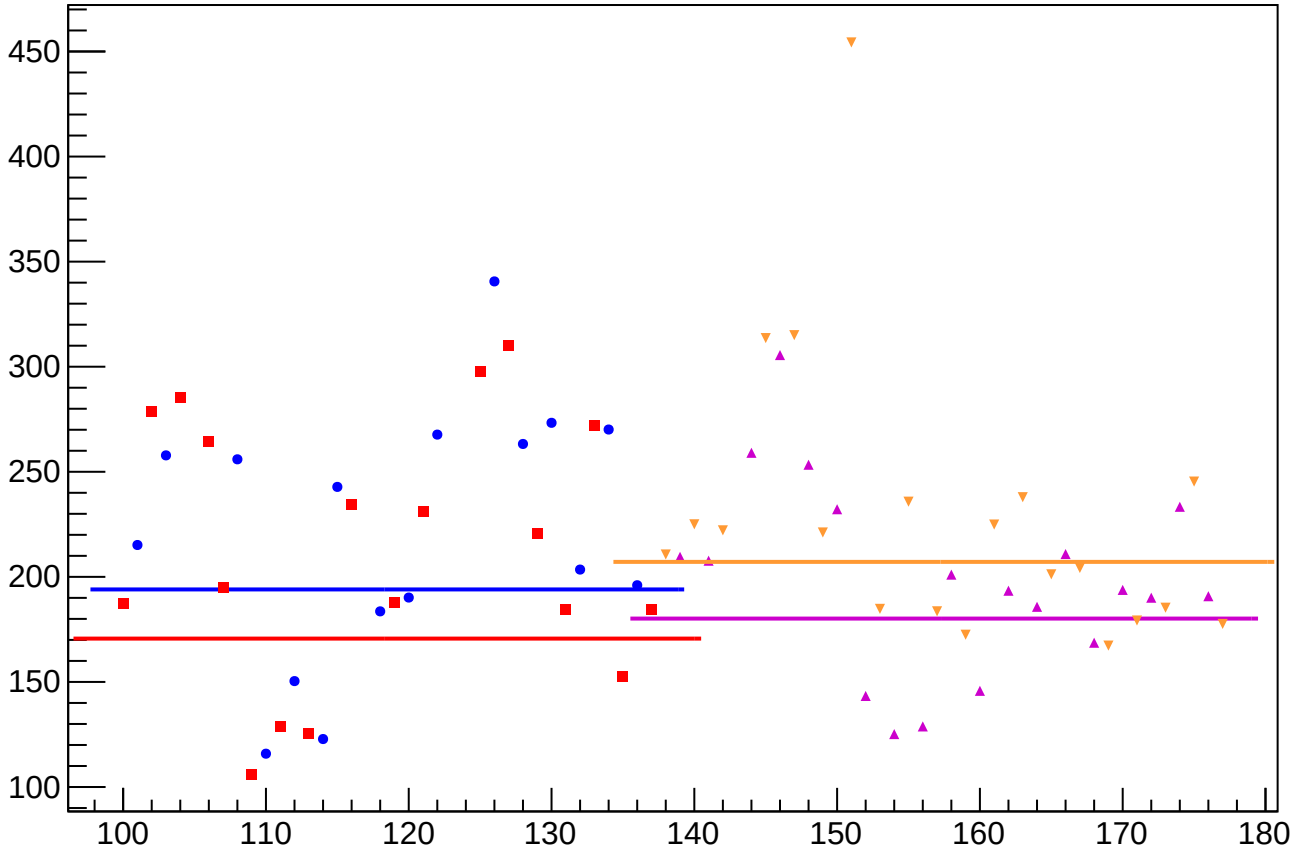
Left In: -104.987+/-48.133 χ^2/NDF:6.4/18

\+ sign 79.434+/-44.006 χ^2/NDF: 26.0/35

All: 20.931+/-29.340 χ^2/NDF: 56.5/72

\- sign -25.886+/-39.366 χ^2/NDF: 27.4/36

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 207.129+/-0.038 χ^2/NDF:1282408.4/19

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

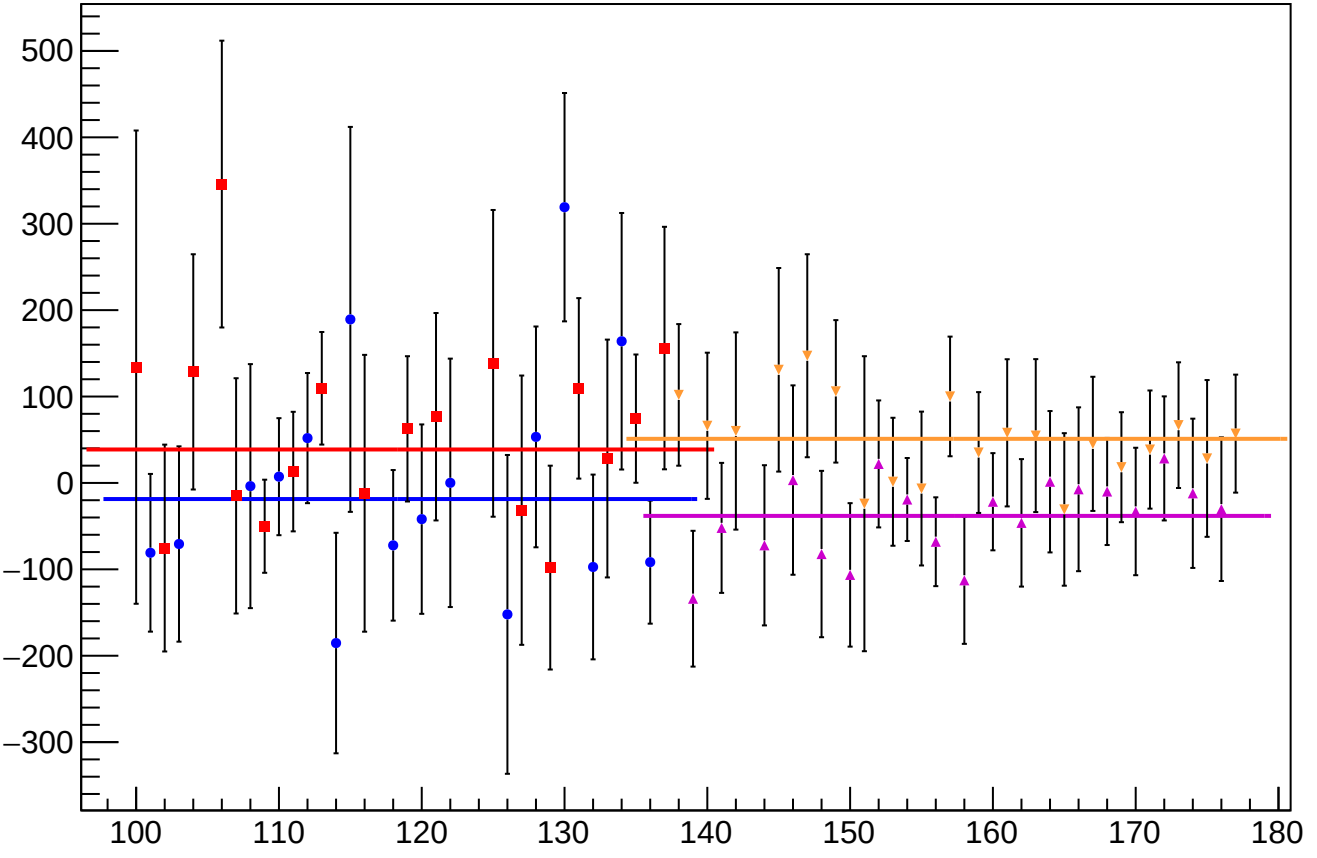
Left In: 180.148+/-0.034 χ^2/NDF:1633329.7/18

+ sign 202.766+/-0.031 χ^2/NDF: 2365425.0/35

All: 188.450+/-0.021 χ^2/NDF: 5999431.1/72

- sign 176.995+/-0.028 χ^2/NDF: 3252994.9/36

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 51.056+/-18.386 χ^2/NDF:4.9/19

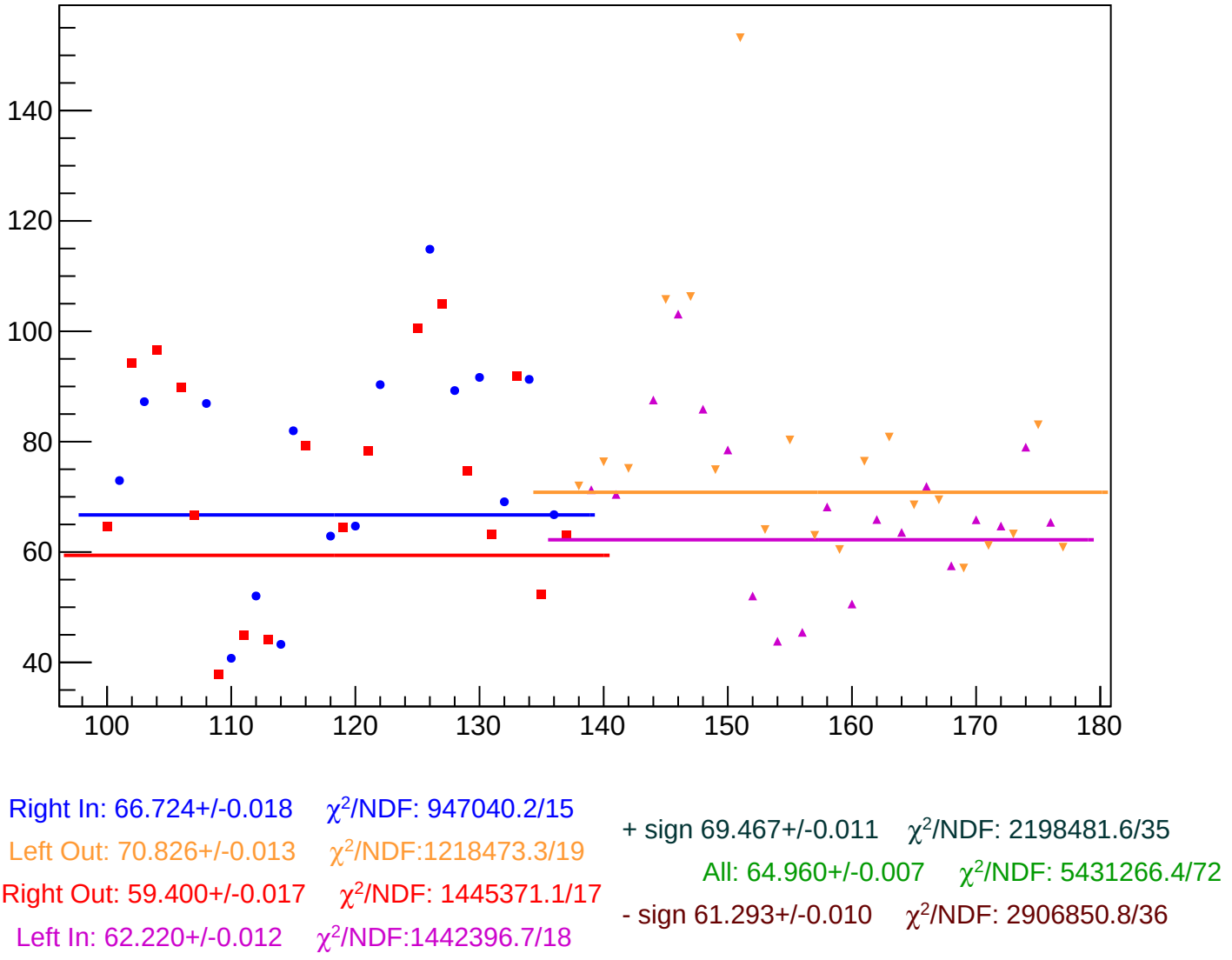
Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: -38.150+/-16.551 χ^2/NDF:6.5/18

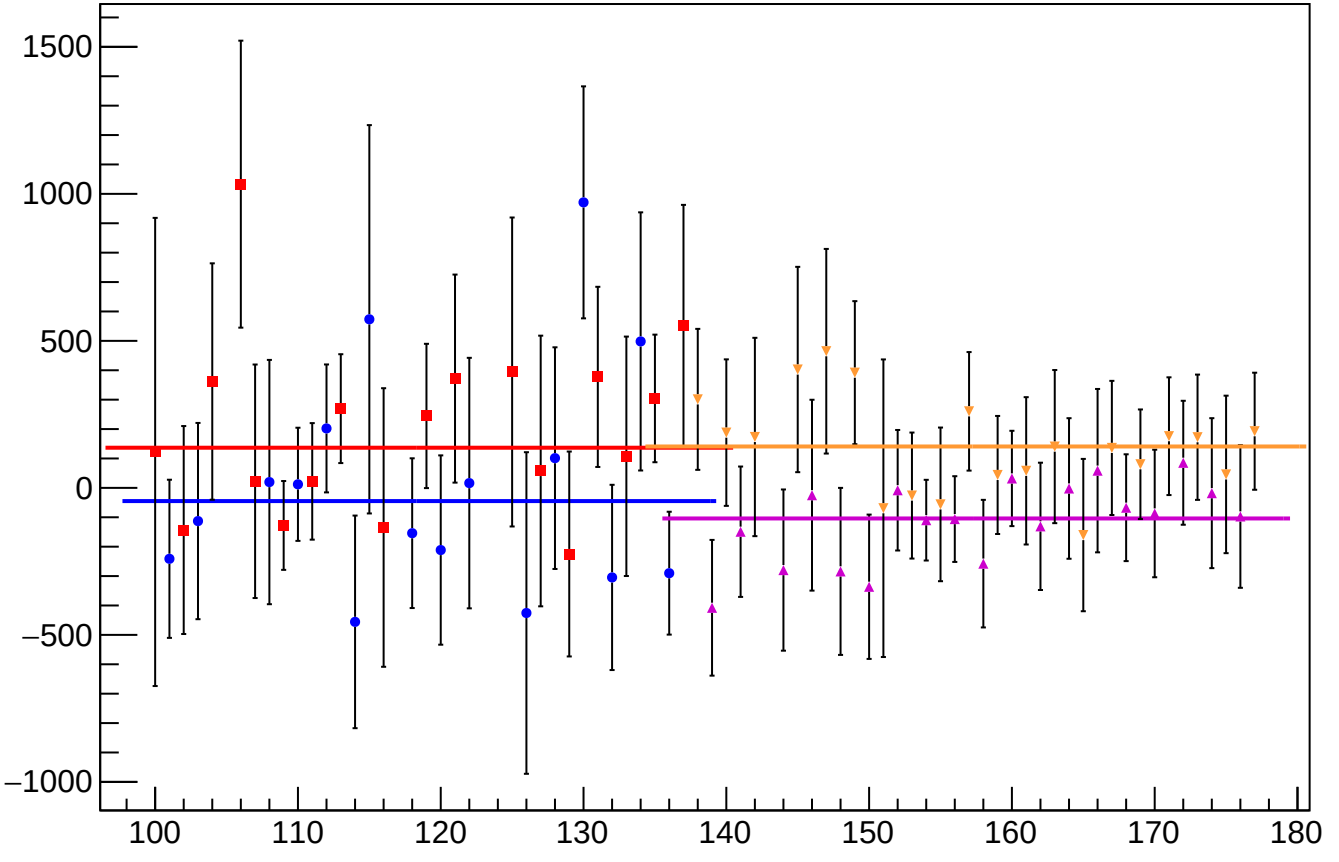
+ sign 27.966+/-15.035 χ^2/NDF: 24.9/35

All: 5.442+/-10.070 χ^2/NDF: 55.1/72

- sign -12.882+/-13.561 χ^2/NDF: 26.2/36


asym_bcm_2an_us_an_ds_dd_rms vs Slug
140
120
100
80
60
40
100
110
120
130
140
150
160
170
180
Right In: 66.724+/-0.018 χ²/NDF: 947040.2/15
Left Out: 70.826+/-0.013 χ²/NDF:1218473.3/19
Right Out: 59.400+/-0.017 χ²/NDF: 1445371.1/17
Left In: 62.220+/-0.012 χ²/NDF:1442396.7/18
+ sign 69.467+/-0.011 χ²/NDF: 2198481.6/35
All: 64.960+/-0.007 χ²/NDF: 5431266.4/72
- sign 61.293+/-0.010 χ²/NDF: 2906850.8/36

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 140.770+/-53.828 χ^2/NDF:6.7/19

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

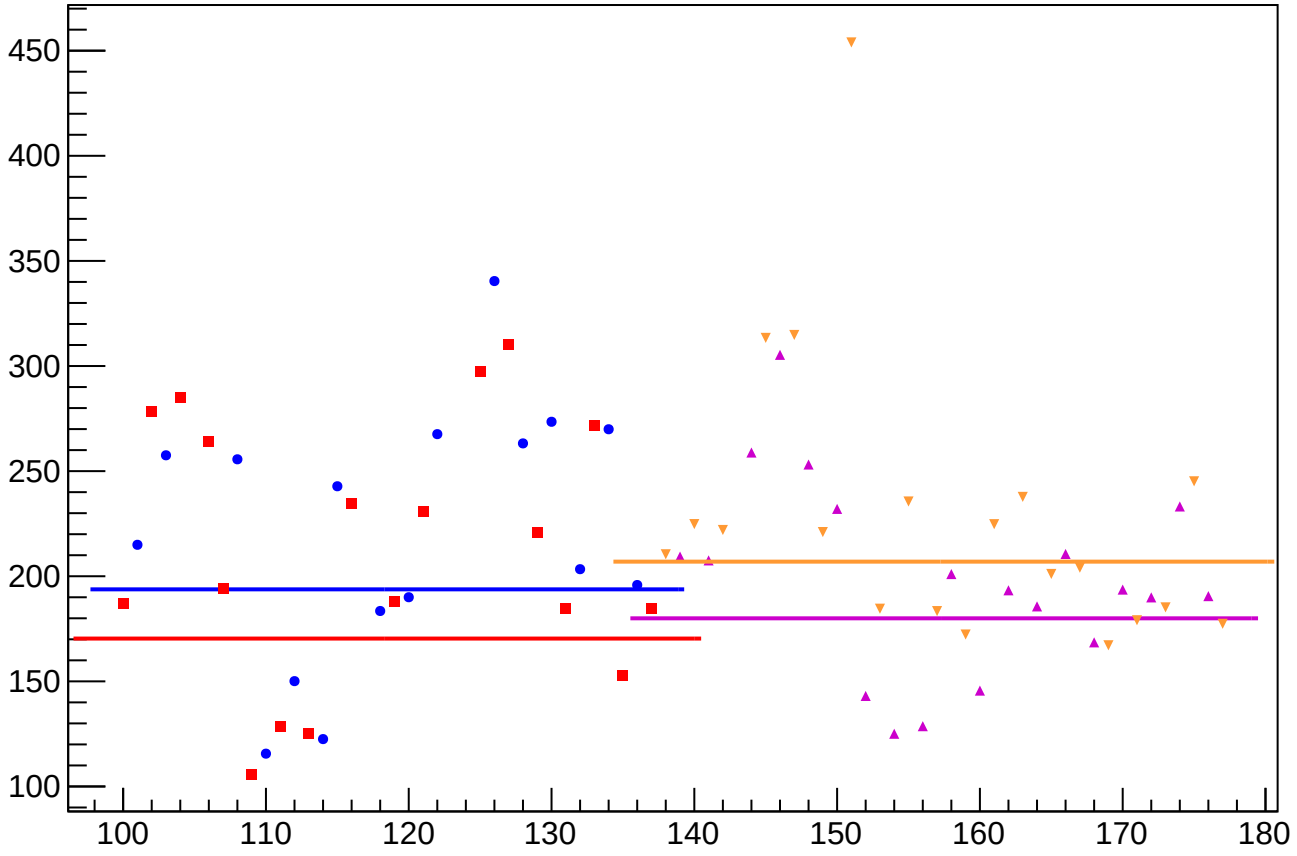
Left In: -104.047+/-48.092 χ^2/NDF:6.5/18

+ sign 78.954+/-43.965 χ^2/NDF: 26.2/35

All: 21.581+/-29.311 χ^2/NDF: 56.9/72

- sign -24.324+/-39.326 χ^2/NDF: 27.6/36

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 206.949+/-0.038 χ^2/NDF:1283275.9/19

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

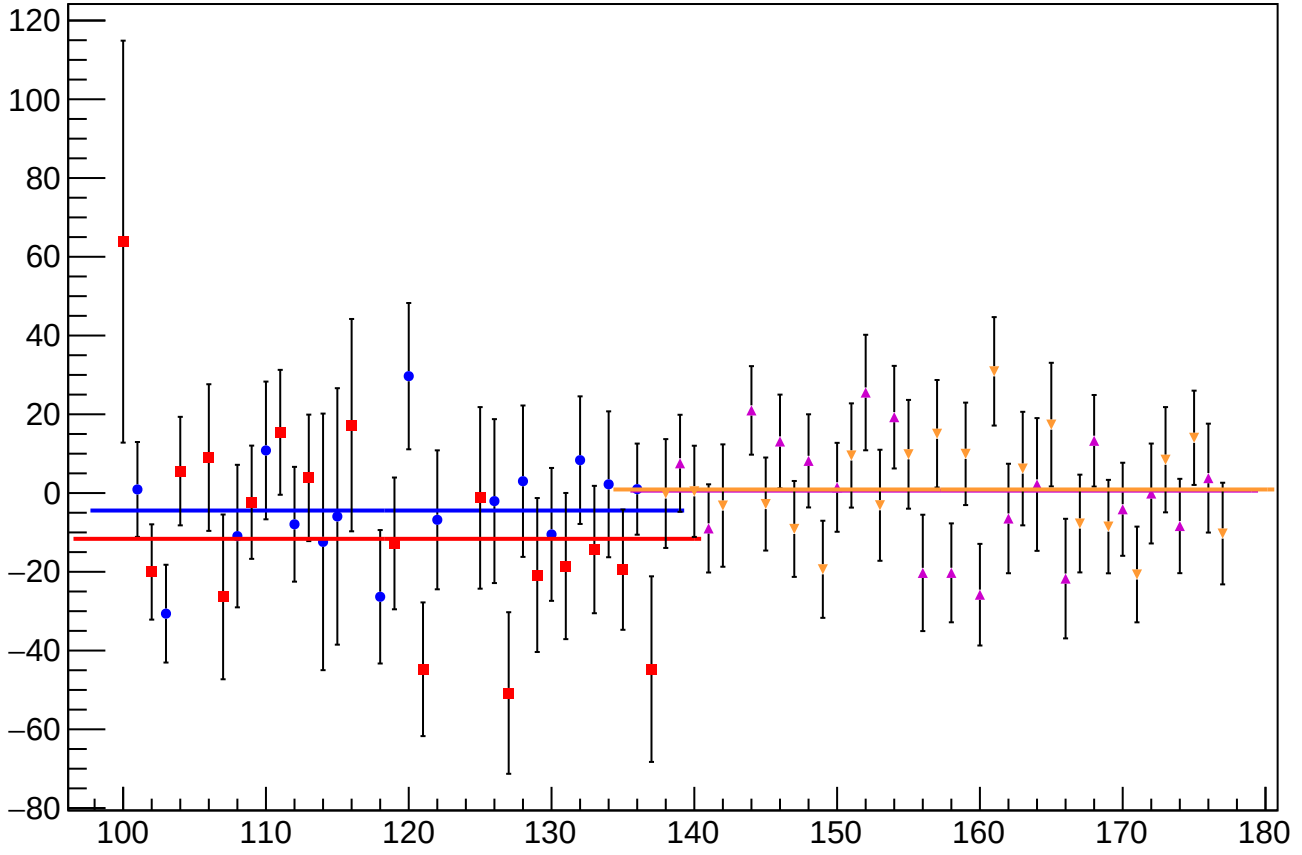
Left In: 179.984+/-0.034 χ^2/NDF:1635498.2/18

+ sign 202.561+/-0.031 χ^2/NDF: 2371294.3/35

All: 188.247+/-0.021 χ^2/NDF: 6013969.1/72

- sign 176.795+/-0.028 χ^2/NDF: 3261074.1/36

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.909+/-2.915 χ^2/NDF:18.6/19

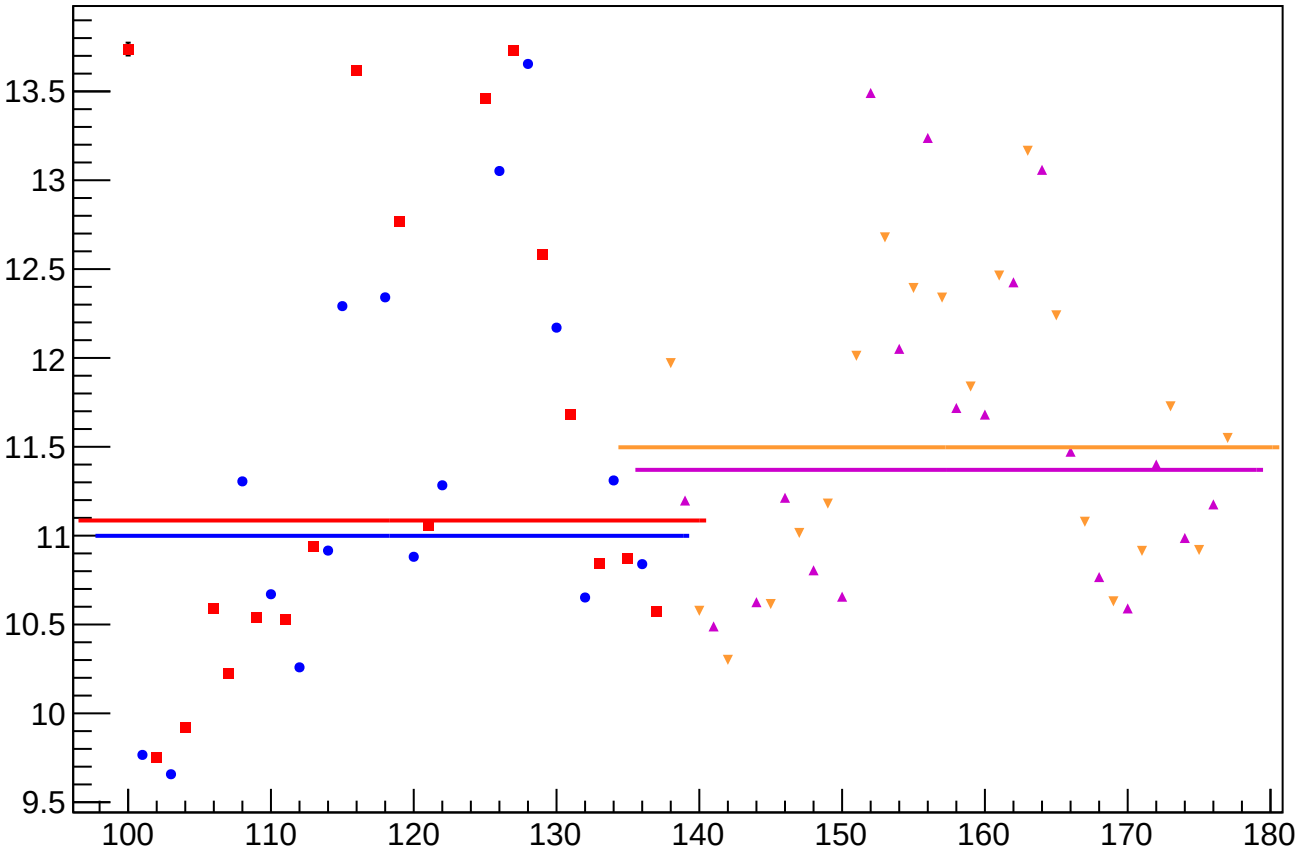
Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: 0.609+/-2.911 χ^2/NDF:24.1/18

+ sign -0.869+/-2.382 χ^2/NDF: 31.7/35

All: -2.157+/-1.684 χ^2/NDF: 83.9/72

- sign -3.444+/-2.381 χ^2/NDF: 51.6/36



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.497+/-0.002 χ^2/NDF:140881.0/19

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

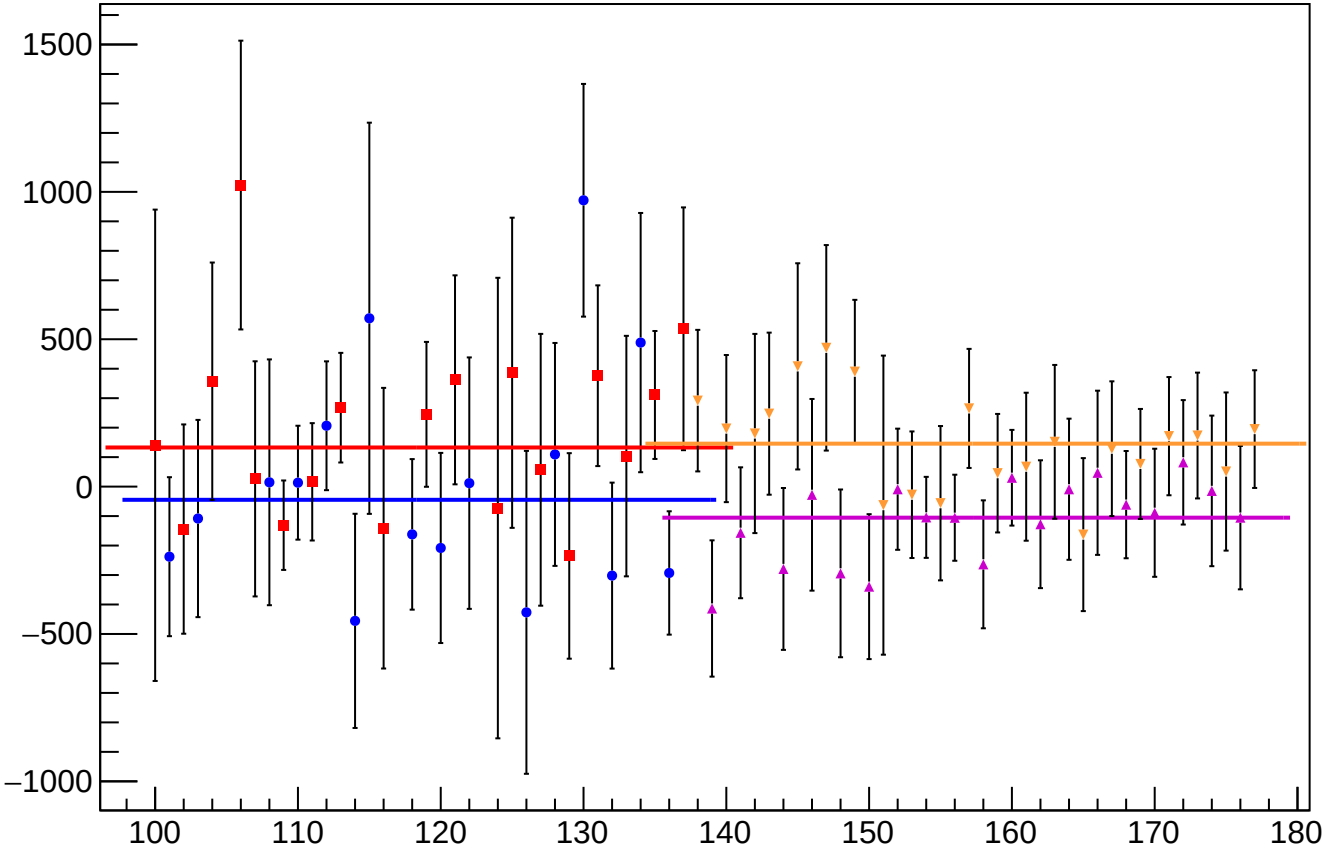
Left In: 11.370+/-0.002 χ^2/NDF:164614.2/18

+ sign 11.332+/-0.002 χ^2/NDF: 296463.5/35

All: 11.304+/-0.001 χ^2/NDF: 630179.2/72

- sign 11.276+/-0.002 χ^2/NDF: 333168.0/36

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 145.713+/-52.920 χ^2/NDF:6.9/20

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

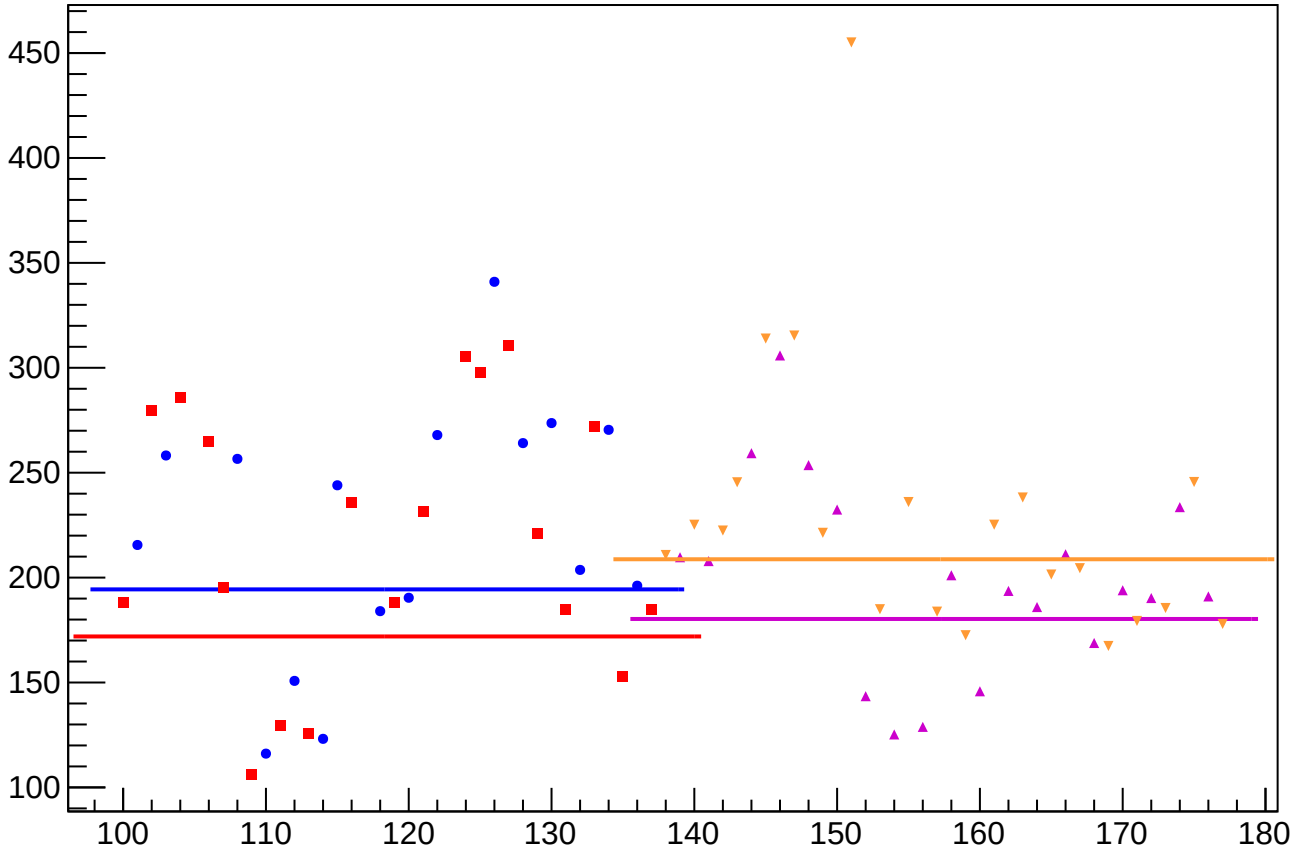
Left In: -105.407+/-48.172 χ^2/NDF:6.5/18

+ sign 83.969+/-43.507 χ^2/NDF: 26.5/36

All: 23.356+/-29.188 χ^2/NDF: 57.5/74

- sign -26.252+/-39.360 χ^2/NDF: 27.5/37

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 208.742+/-0.037 χ^2/NDF:1320607.9/20

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

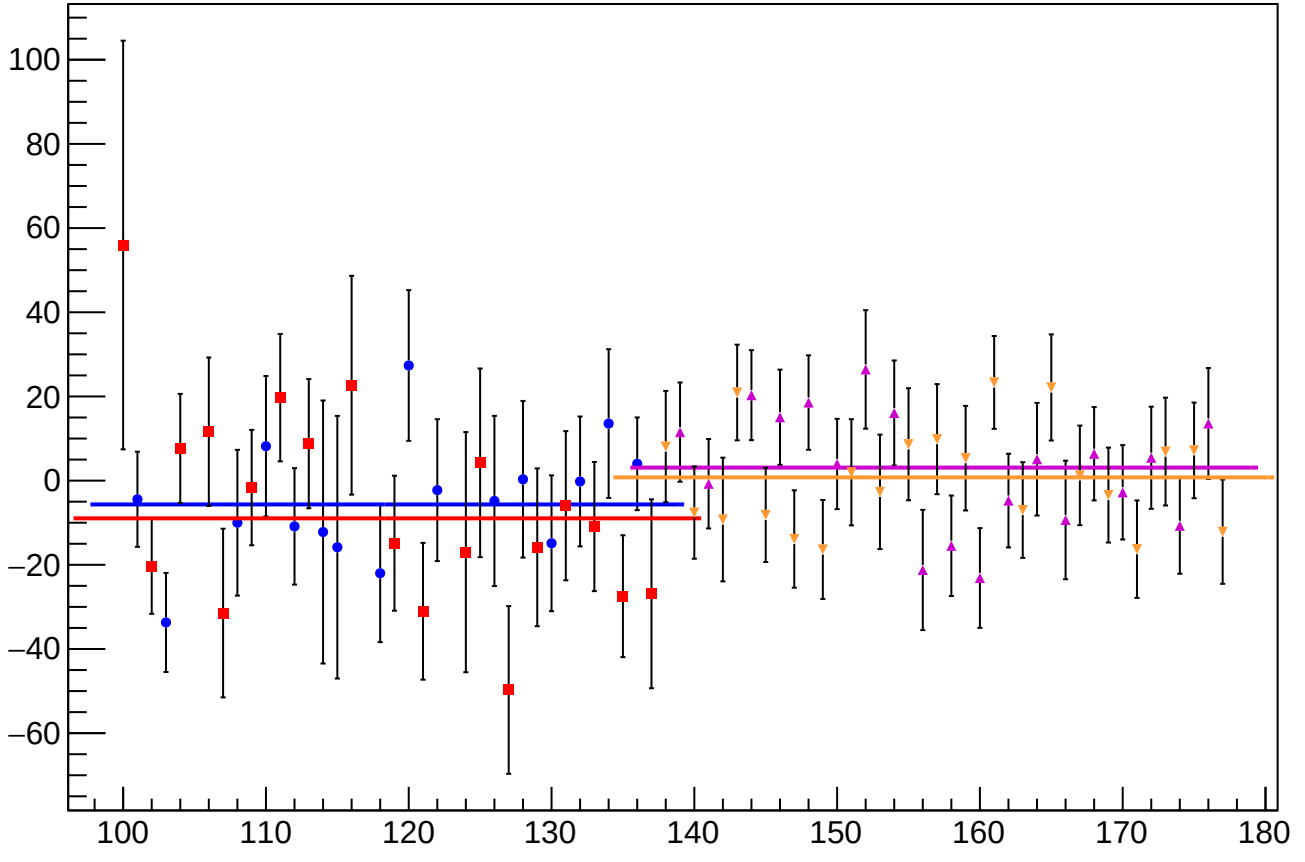
Left In: 180.282+/-0.034 χ^2/NDF:1636042.8/18

+ sign 204.089+/-0.031 χ^2/NDF: 2410337.8/36

All: 189.474+/-0.021 χ^2/NDF: 6128027.5/74

- sign 177.512+/-0.028 χ^2/NDF: 3307278.2/37

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.771+/-2.637 χ^2/NDF:21.4/20

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

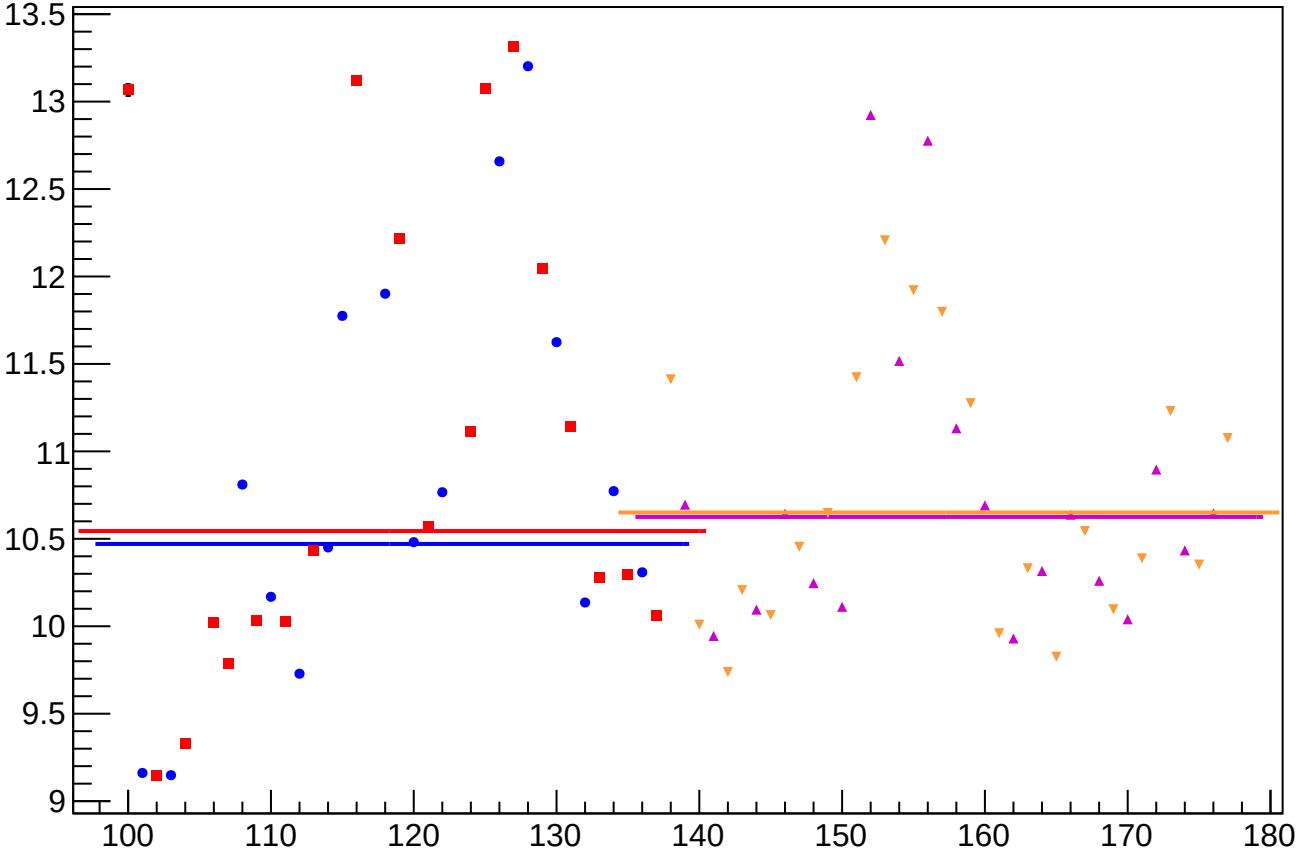
Left In: 3.098+/-2.724 χ^2/NDF:24.1/18

+ sign -1.218+/-2.191 χ^2/NDF: 36.9/36

All: -1.039+/-1.564 χ^2/NDF: 90.2/74

- sign -0.854+/-2.233 χ^2/NDF: 53.3/37

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.651+/-0.002 χ^2/NDF:134533.3/20

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

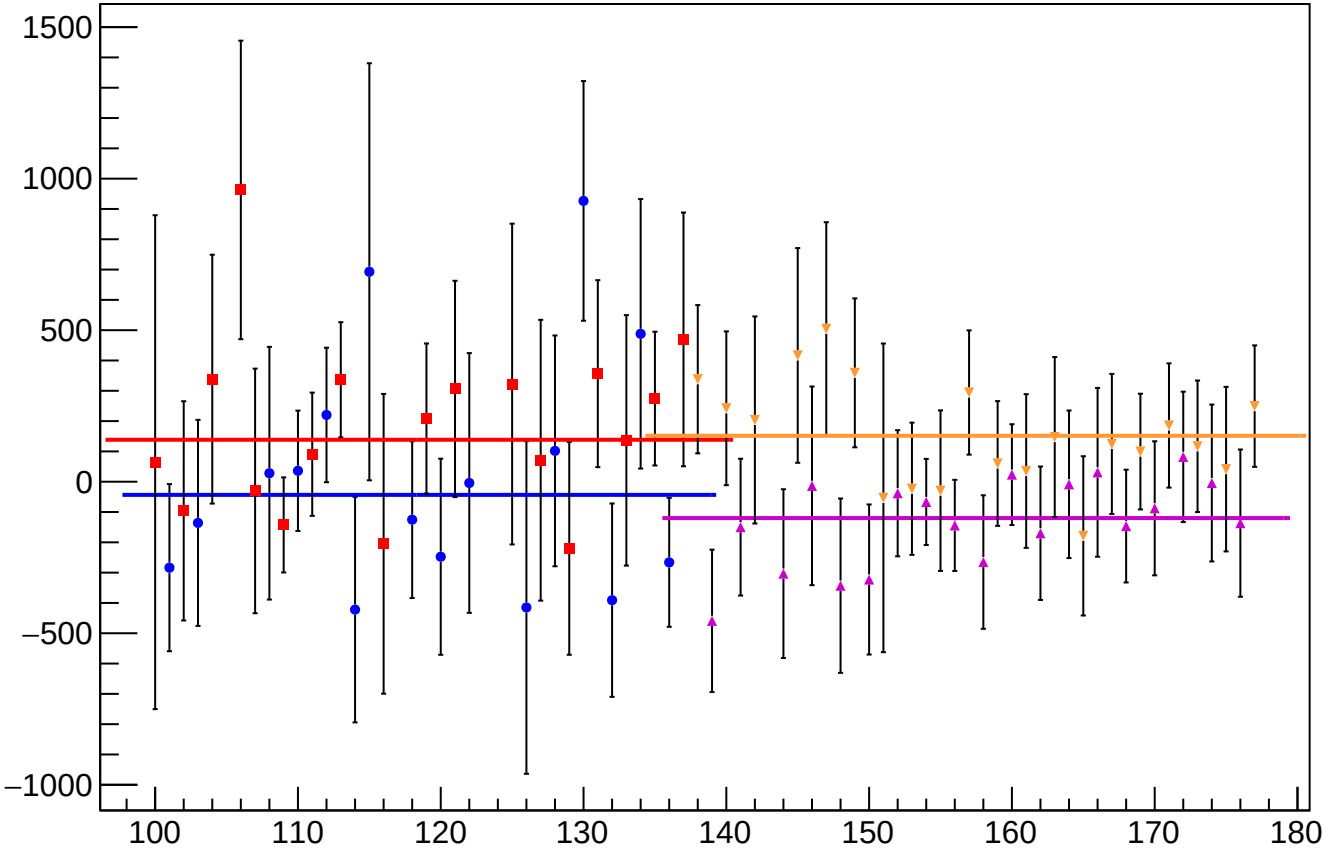
Left In: 10.625+/-0.002 χ^2/NDF:150670.6/18

+ sign 10.595+/-0.002 χ^2/NDF: 294783.2/36

All: 10.597+/-0.001 χ^2/NDF: 632814.5/74

- sign 10.599+/-0.002 χ^2/NDF: 338028.4/37

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 151.611+/-54.717 χ^2/NDF:7.3/19

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

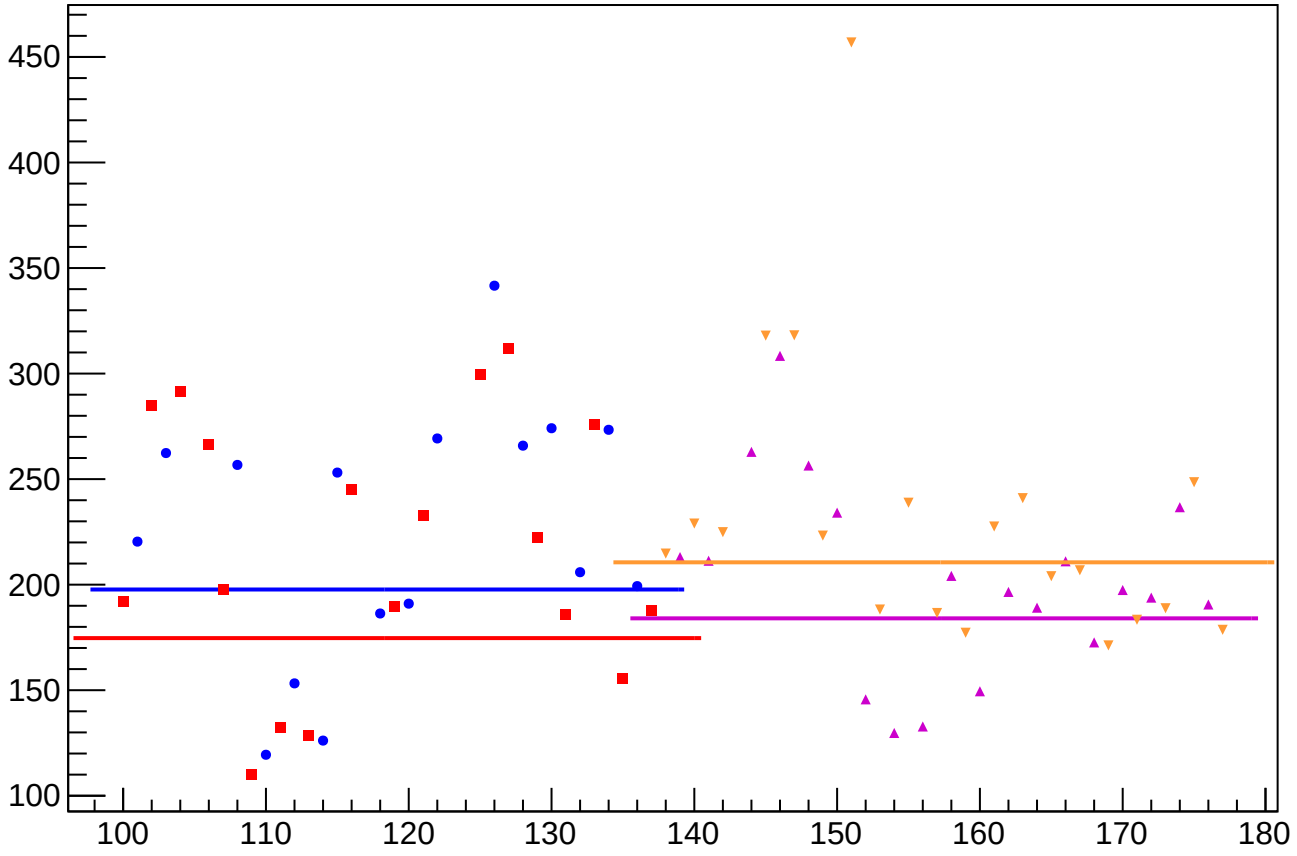
Left In: -119.886+/-49.074 χ^2/NDF:7.1/18

+ sign 86.838+/-44.715 χ^2/NDF: 27.0/35

All: 19.673+/-29.875 χ^2/NDF: 58.8/72

- sign -34.482+/-40.152 χ^2/NDF: 27.7/36

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 210.581+/-0.039 χ^2/NDF:1249921.4/19

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

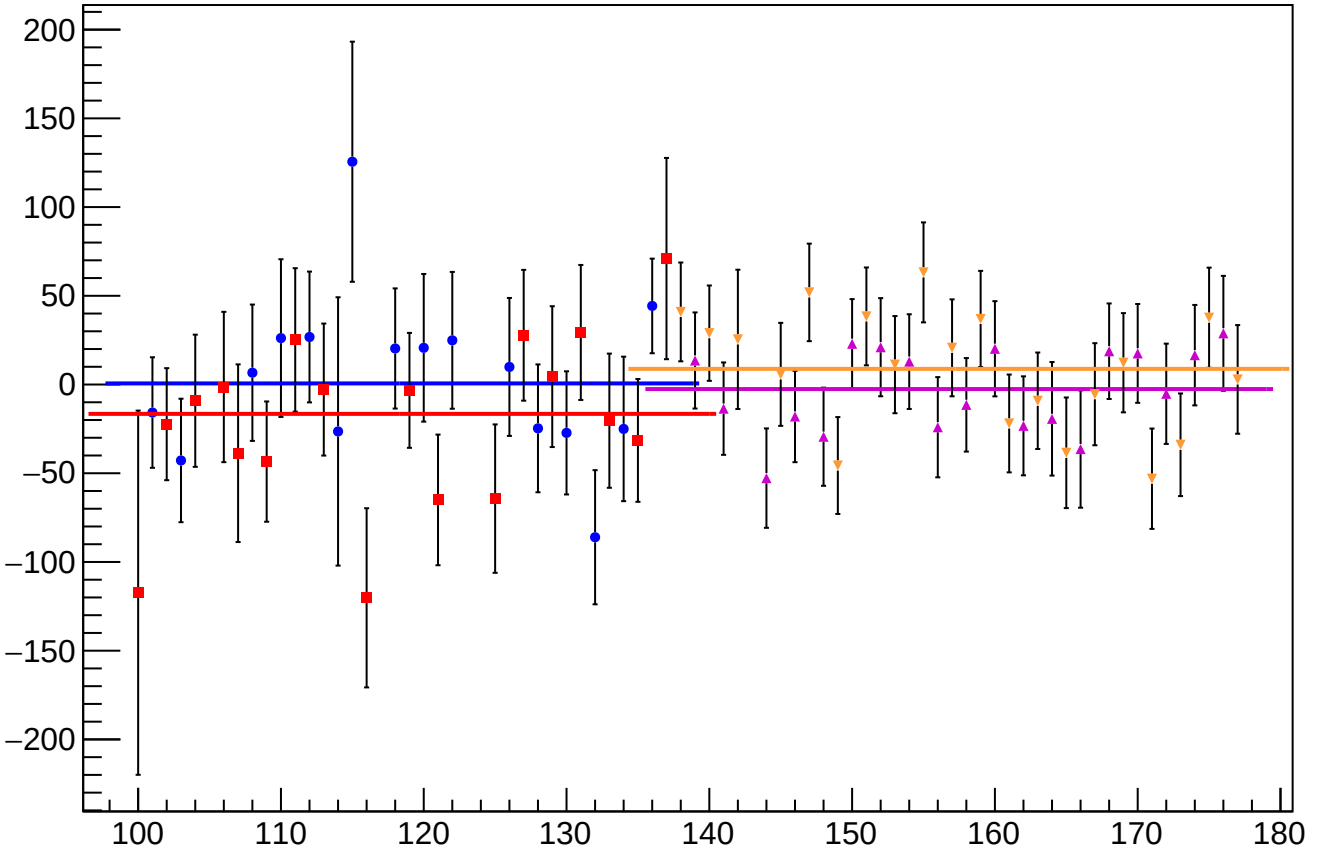
Left In: 184.039+/-0.035 χ^2/NDF:1541633.2/18

+ sign 206.305+/-0.032 χ^2/NDF: 2287021.2/35

All: 192.265+/-0.021 χ^2/NDF: 5743604.5/72

- sign 180.945+/-0.028 χ^2/NDF: 3100435.8/36

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 8.828+/-6.357 χ^2/NDF:27.0/19

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

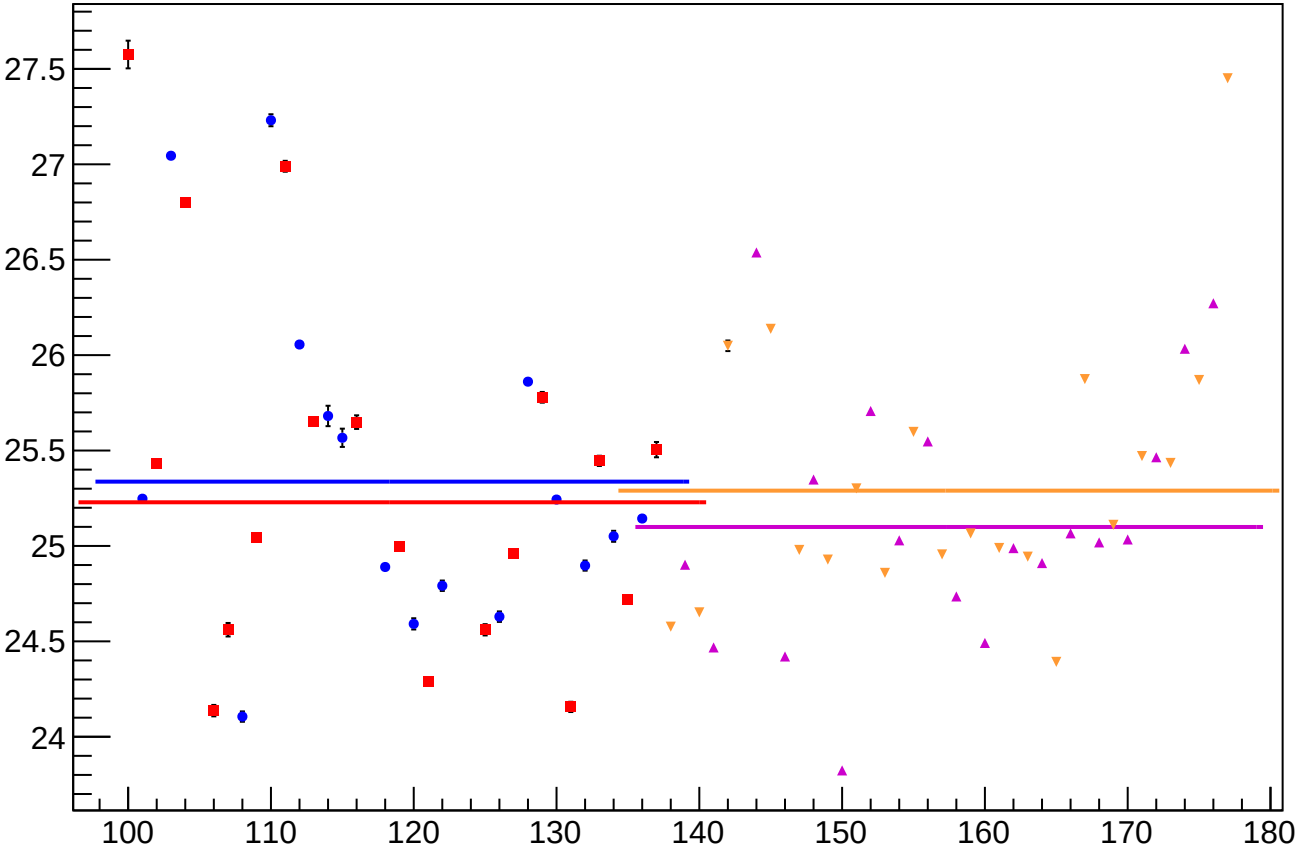
Left In: -2.562+/-6.375 χ^2/NDF:13.0/18

\+ sign 6.260+/-5.270 χ^2/NDF: 44.2/35

All: -0.395+/-3.723 χ^2/NDF: 78.3/72

\- sign -7.024+/-5.260 χ^2/NDF: 30.9/36

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.290+/-0.004 χ^2/NDF:20743.5/19

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

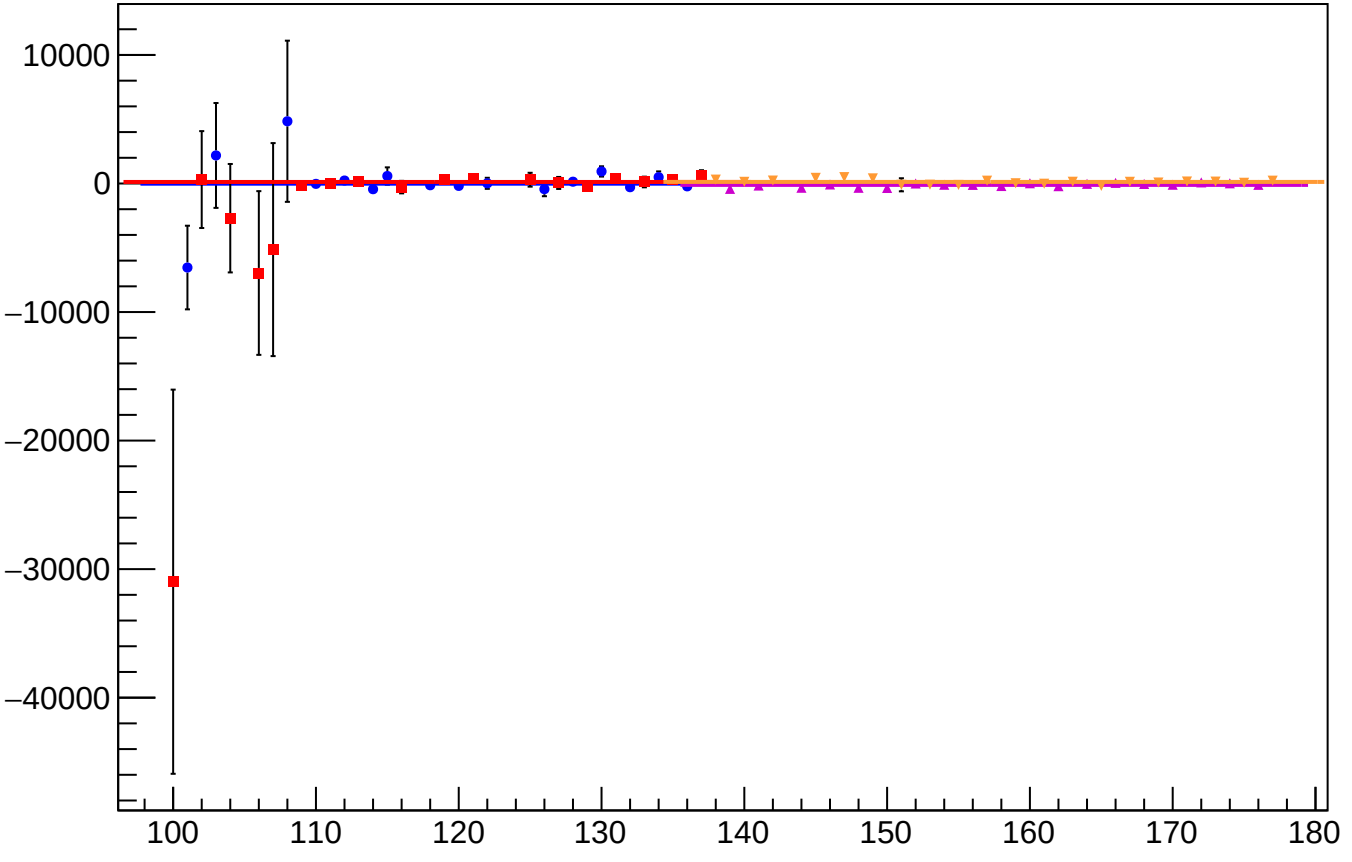
Left In: 25.099+/-0.005 χ^2/NDF:21412.6/18

+ sign 25.305+/-0.004 χ^2/NDF: 35093.0/35

All: 25.222+/-0.003 χ^2/NDF: 72913.4/72

- sign 25.141+/-0.004 χ^2/NDF: 36851.8/36

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 123.296+/-54.749 χ^2/NDF:8.2/19

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

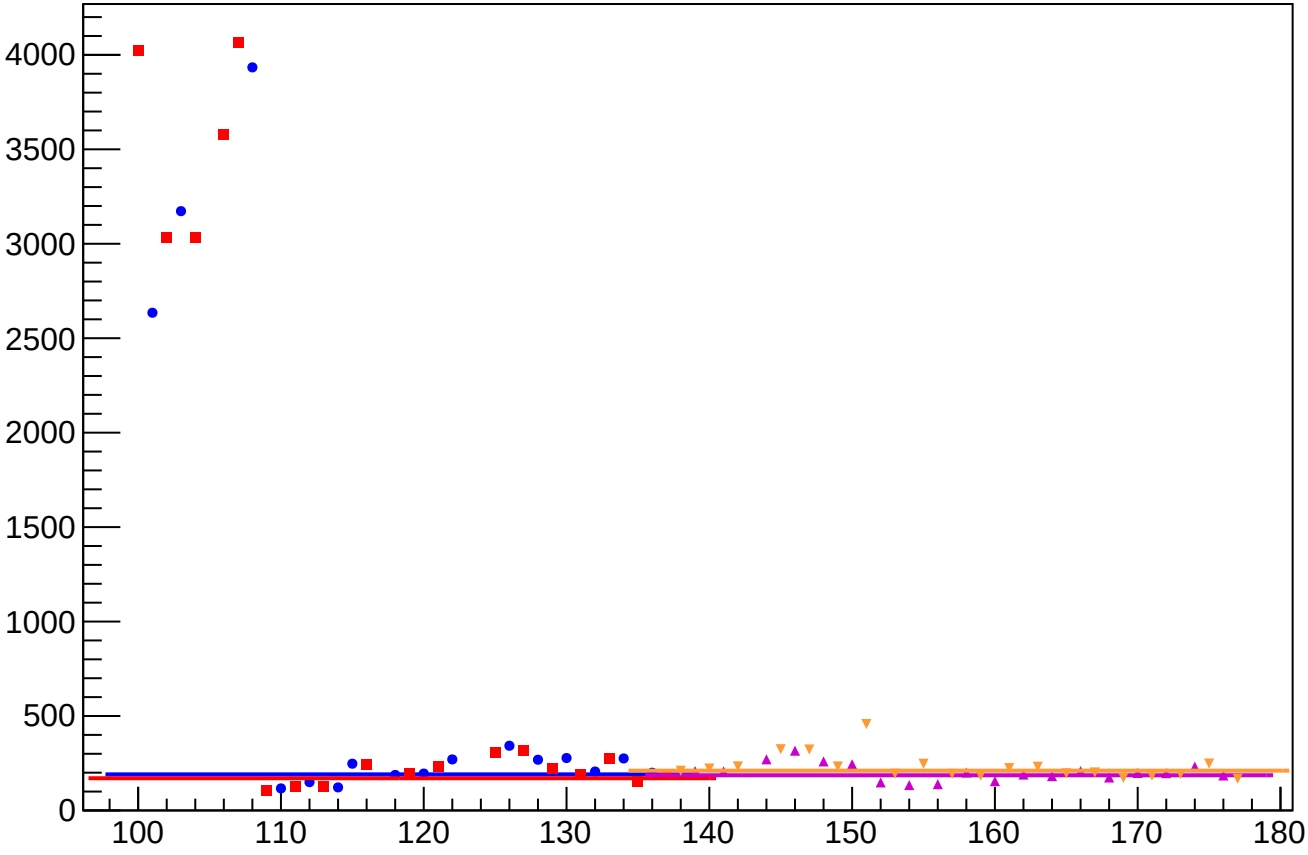
Left In: -107.674+/-49.562 χ^2/NDF:6.7/18

+ sign 82.919+/-45.940 χ^2/NDF: 28.3/35

All: 14.414+/-30.946 χ^2/NDF: 59.6/72

- sign -42.489+/-41.870 χ^2/NDF: 27.2/36

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 210.682+/-0.039 χ^2/NDF:1281024.1/19

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

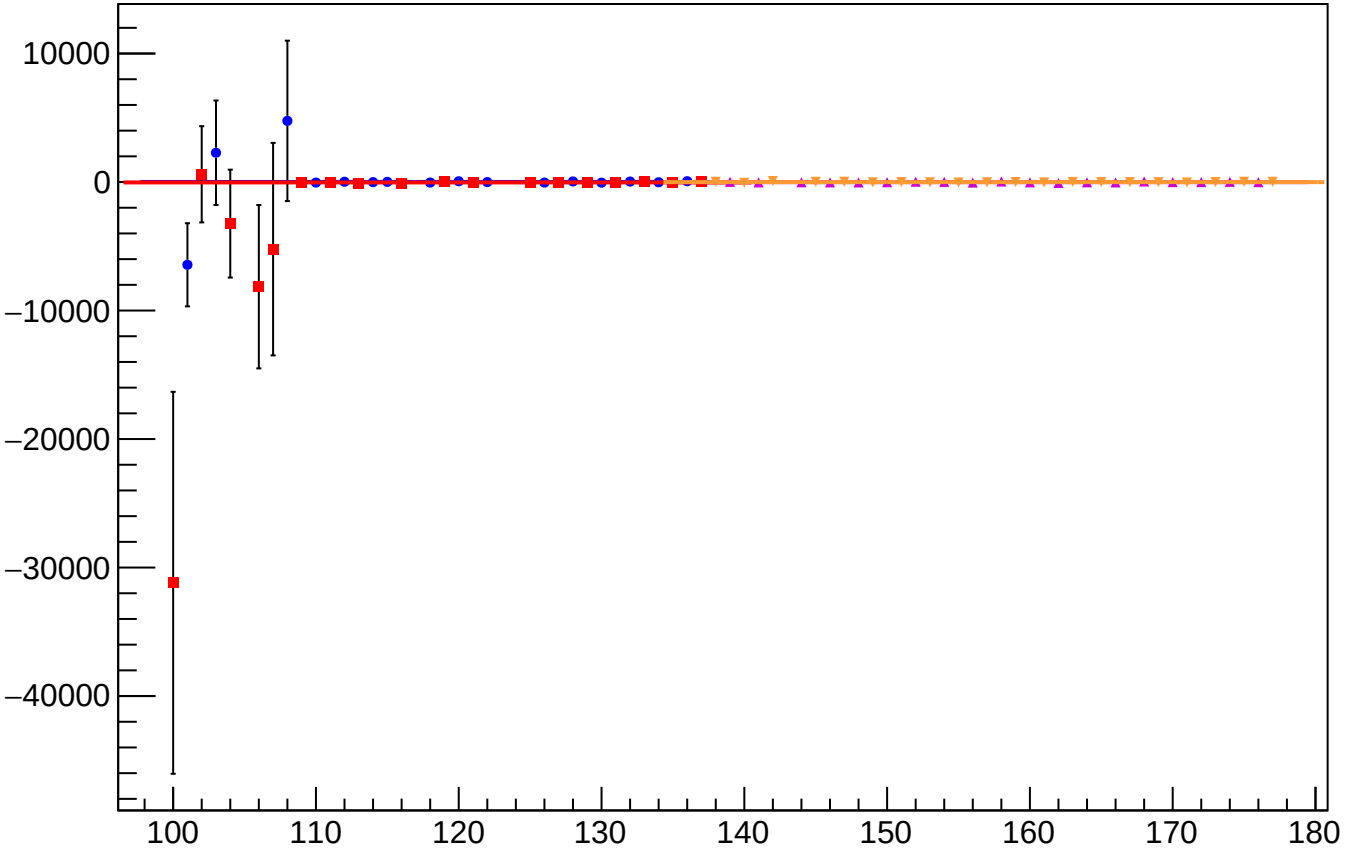
Left In: 186.378+/-0.035 χ^2/NDF:1404853.8/18

+ sign 204.879+/-0.032 χ^2/NDF: 5190920.7/35

All: 192.288+/-0.022 χ^2/NDF: 11184427.1/72

- sign 181.830+/-0.030 χ^2/NDF: 5718497.4/36

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -5.654+/-7.231 χ^2/NDF:13.1/19

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

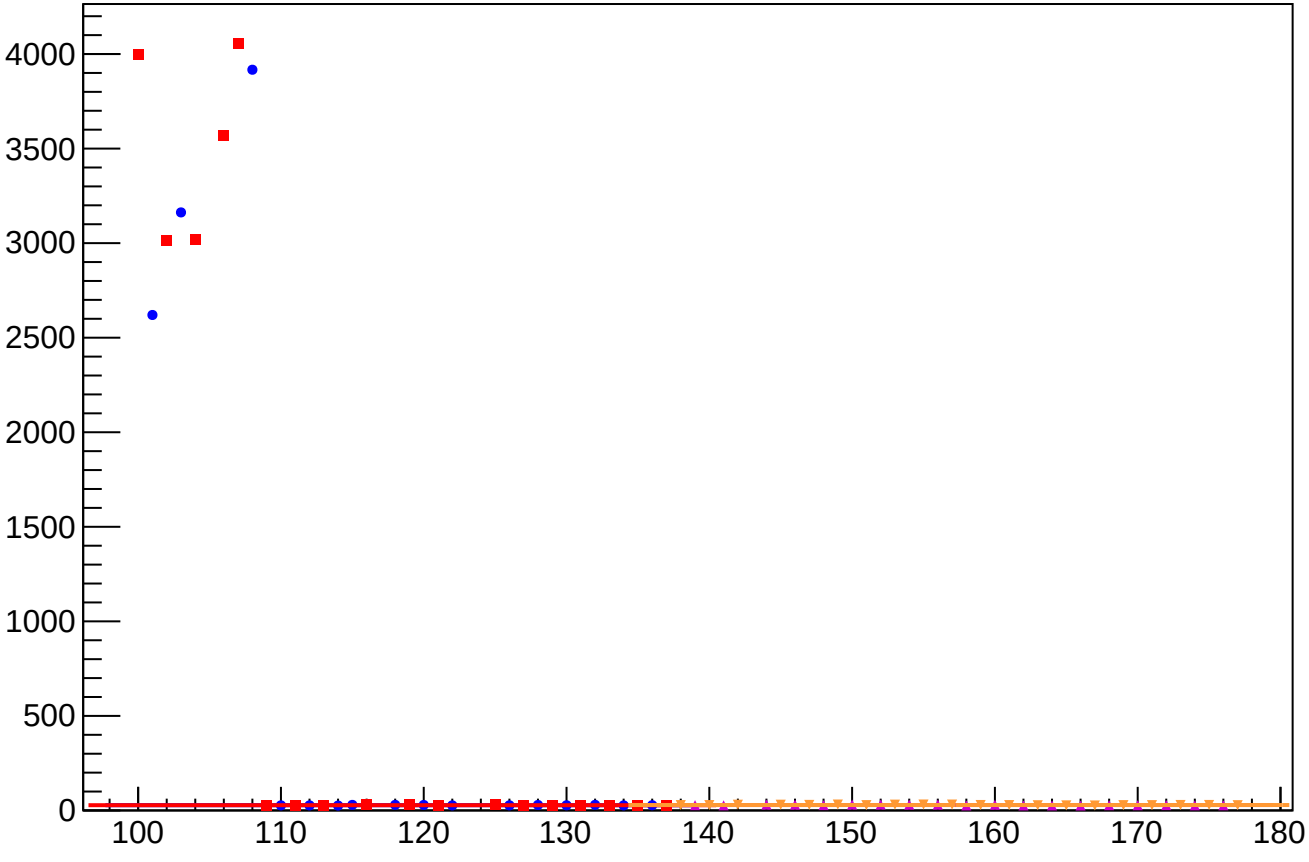
Left In: -6.672+/-7.312 χ^2/NDF:16.7/18

+ sign -2.324+/-6.160 χ^2/NDF: 32.1/35

All: -7.640+/-4.389 χ^2/NDF: 73.2/72

- sign -13.122+/-6.256 χ^2/NDF: 39.5/36

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.722+/-0.005 χ^2/NDF:74819.3/19

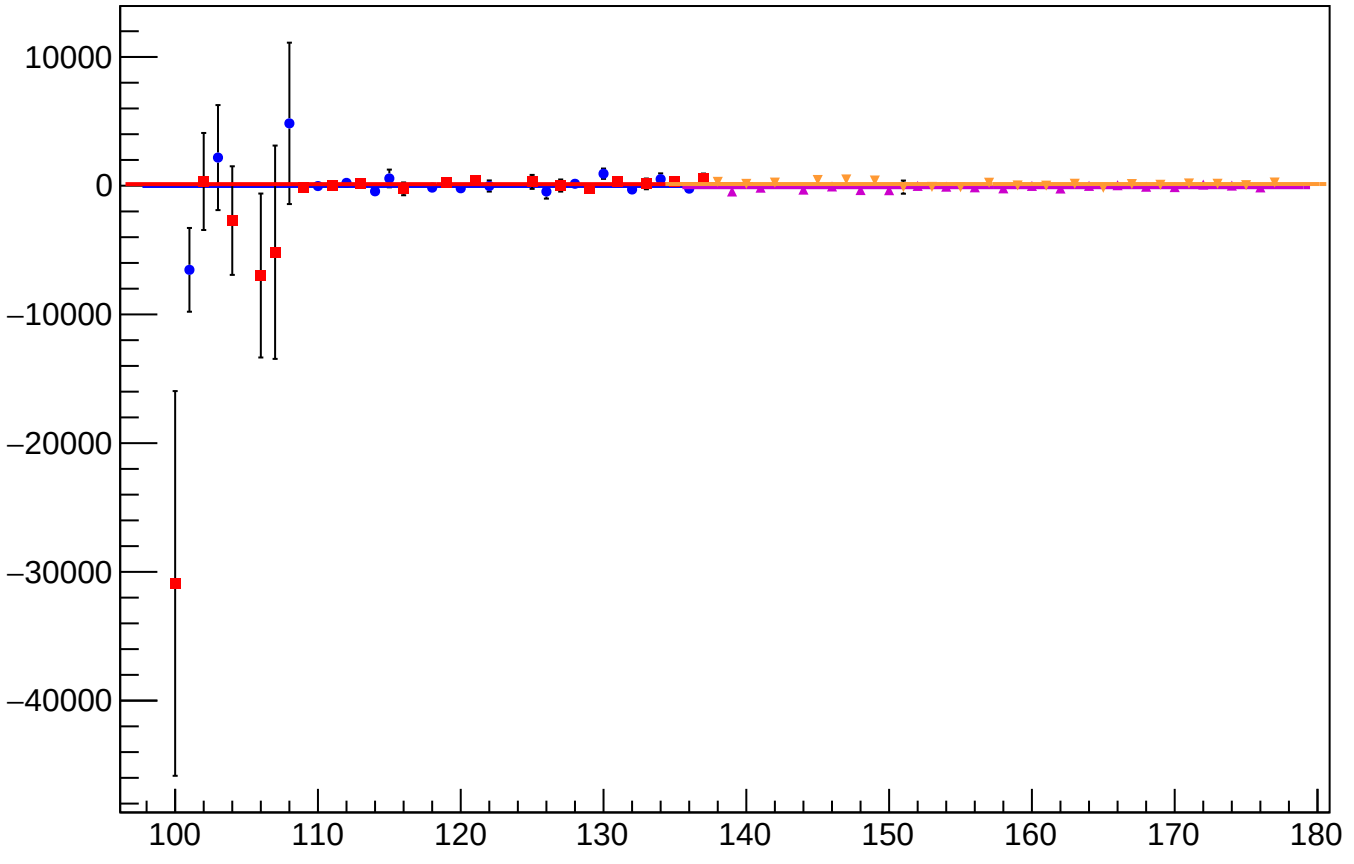
Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.717+/-0.005 χ^2/NDF:119487.0/18

+ sign 28.476+/-0.004 χ^2/NDF: 3349159.6/35

All: 28.471+/-0.003 χ^2/NDF: 7035888.6/72

- sign 28.466+/-0.004 χ^2/NDF: 3686726.1/36



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 129.008+/-55.205 χ^2/NDF:8.1/19

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

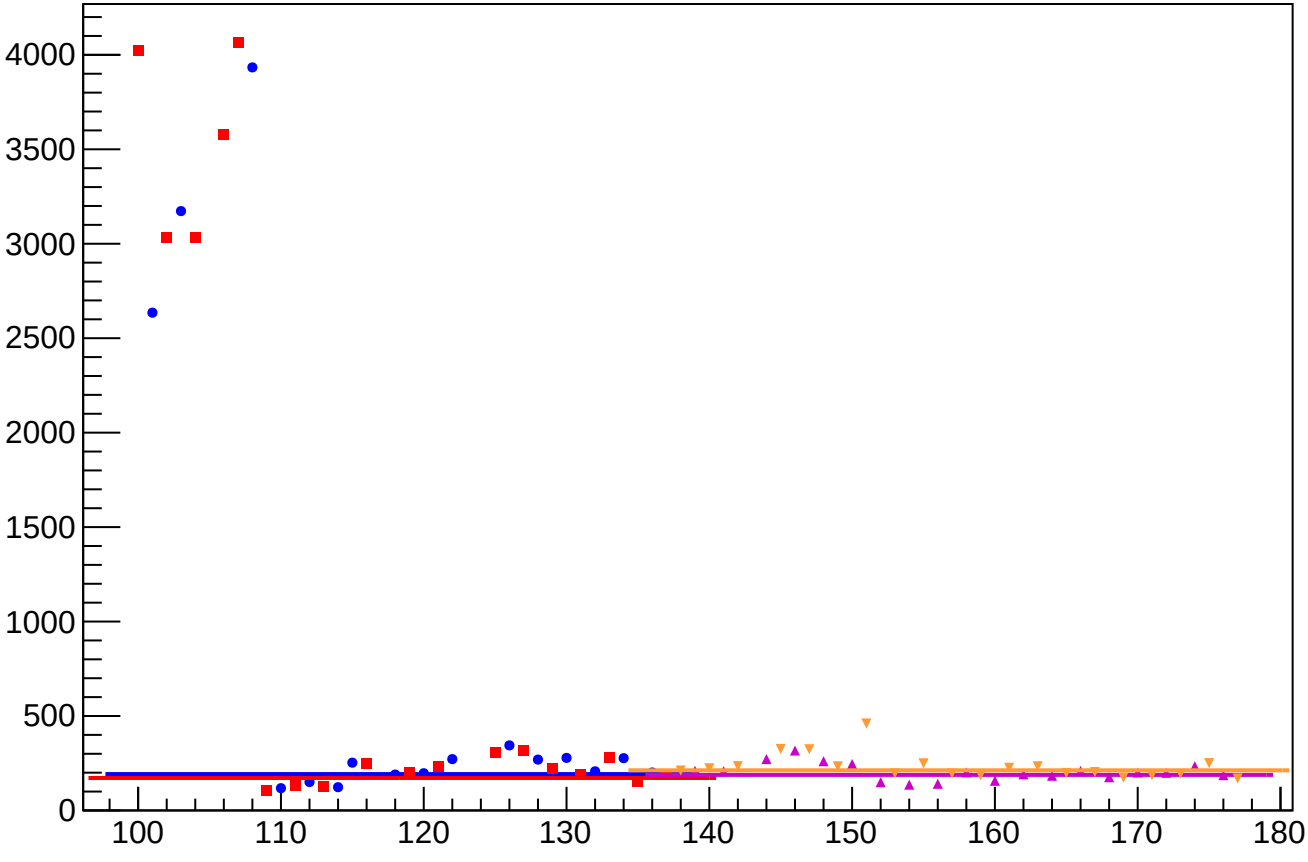
Left In: -117.452+/-50.032 χ^2/NDF:6.6/18

\+ sign 84.989+/-46.308 χ^2/NDF: 28.4/35

All: 11.946+/-31.209 χ^2/NDF: 59.3/72

\- sign -48.841+/-42.244 χ^2/NDF: 26.4/36

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 212.533+/-0.039 χ^2/NDF:1262823.1/19

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

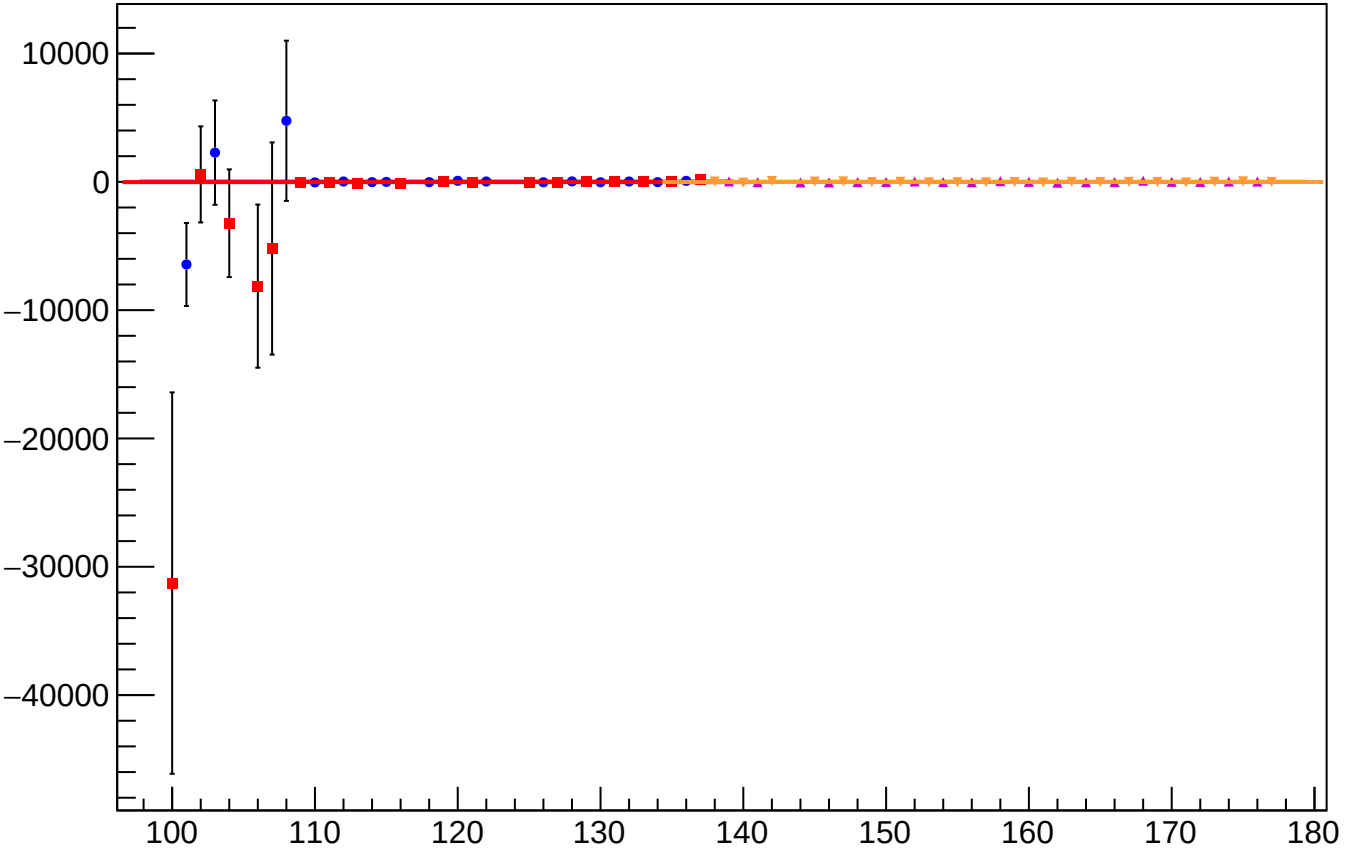
Left In: 188.299+/-0.035 χ^2/NDF:1364198.0/18

+ sign 206.614+/-0.033 χ^2/NDF: 5163199.7/35

All: 194.048+/-0.022 χ^2/NDF: 11106712.9/72

- sign 183.591+/-0.030 χ^2/NDF: 5673690.1/36

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -12.537+/-7.852 χ^2/NDF:15.0/19

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

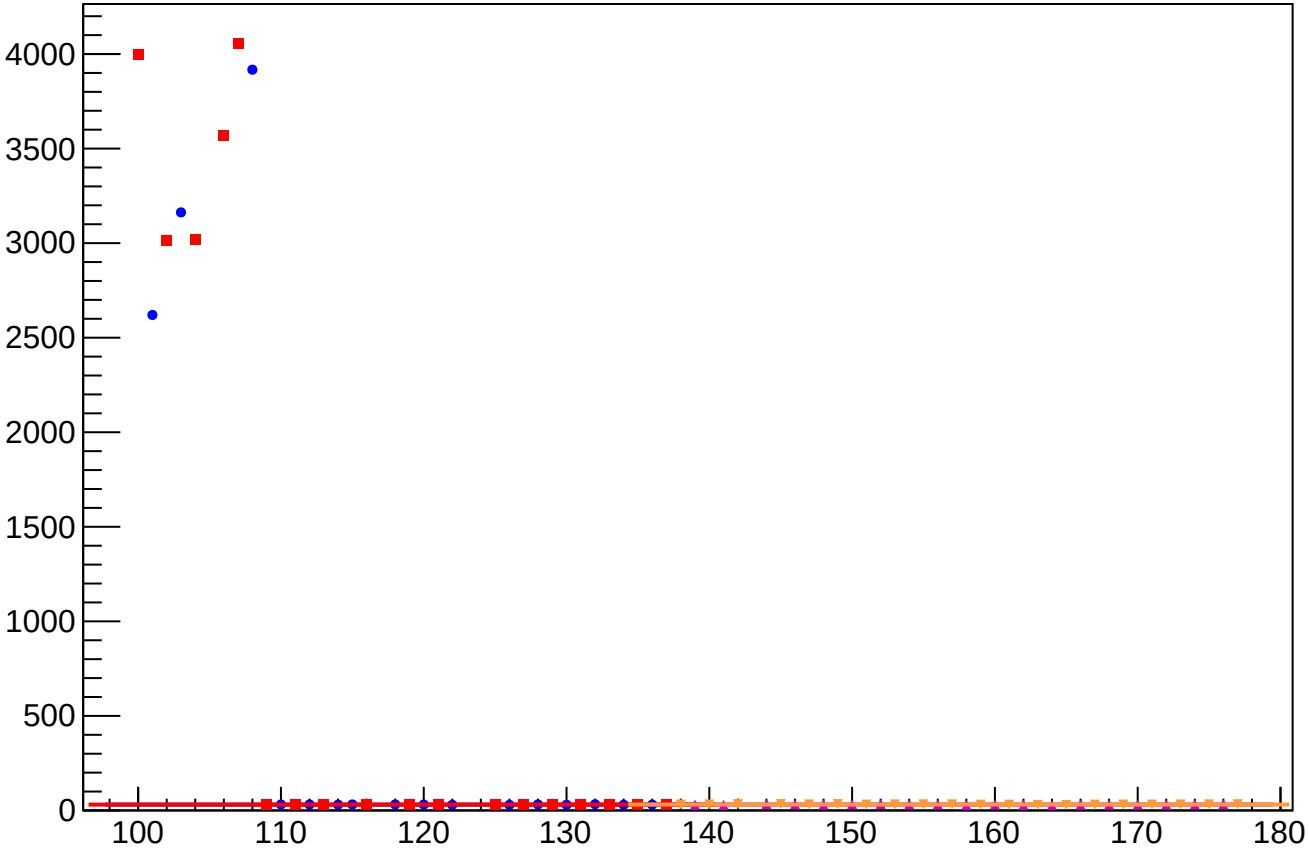
Left In: -0.155+/-7.958 χ^2/NDF:23.7/18

+ sign -5.569+/-6.730 χ^2/NDF: 33.4/35

All: -5.701+/-4.797 χ^2/NDF: 87.4/72

- sign -5.837+/-6.840 χ^2/NDF: 54.0/36

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.212+/-0.006 χ^2/NDF:46896.7/19

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

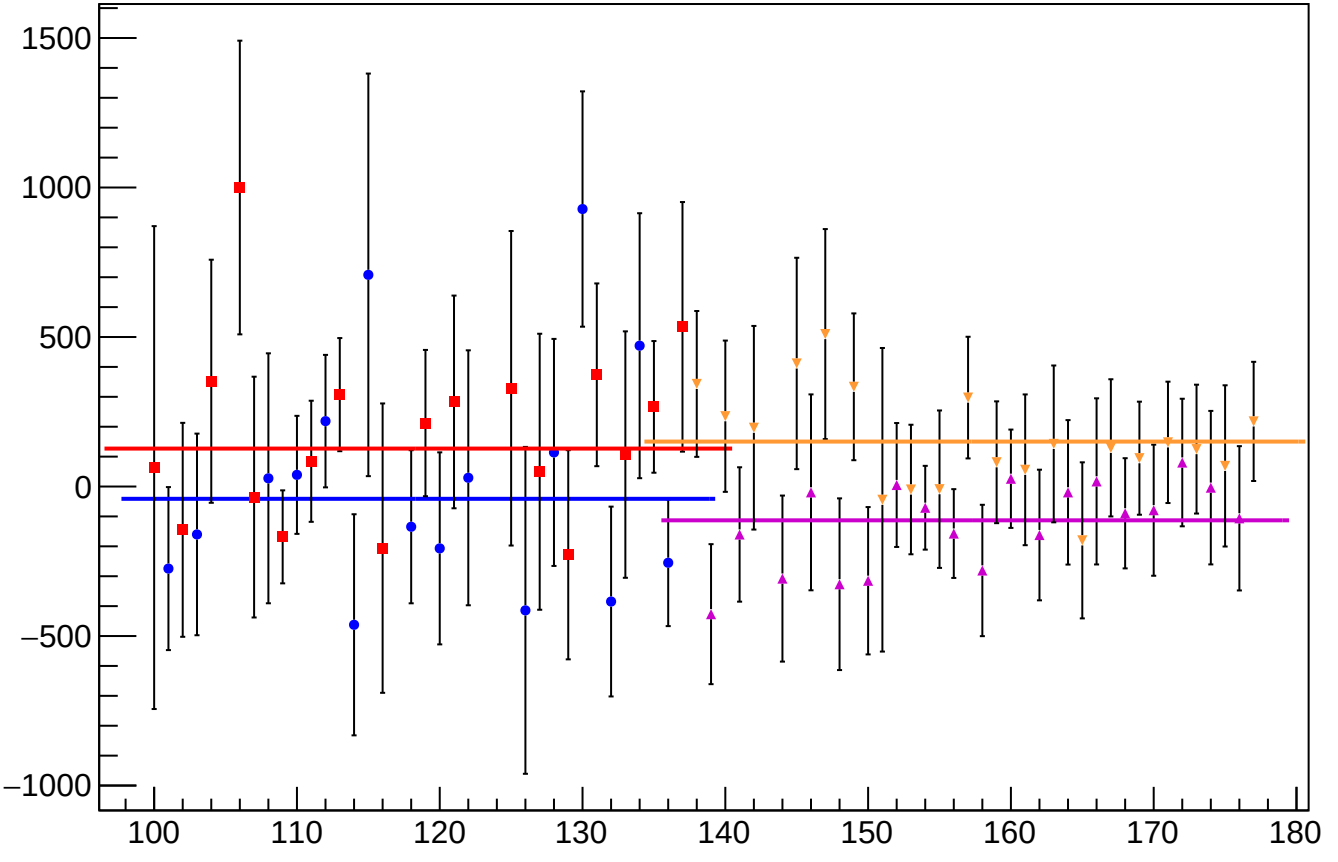
Left In: 31.277+/-0.006 χ^2/NDF:80577.4/18

+ sign 31.136+/-0.005 χ^2/NDF: 3300195.6/35

All: 31.145+/-0.003 χ^2/NDF: 6918584.1/72

- sign 31.153+/-0.005 χ^2/NDF: 3618382.3/36

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 150.321+/-54.363 χ^2/NDF:6.7/19

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

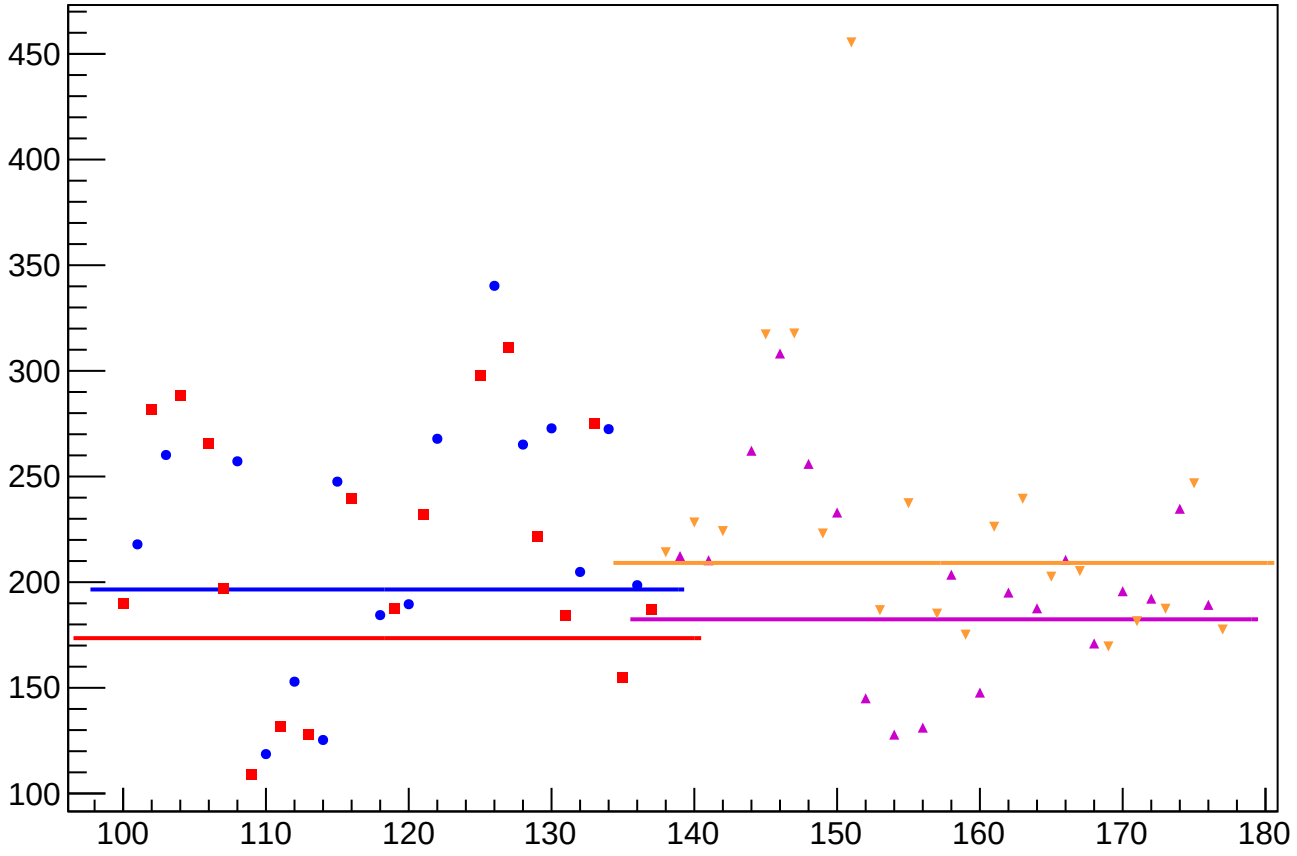
Left In: -113.031+/-48.686 χ^2/NDF:6.9/18

+ sign 86.794+/-44.437 χ^2/NDF: 26.4/35

All: 19.919+/-29.669 χ^2/NDF: 58.2/72

- sign -33.871+/-39.853 χ^2/NDF: 27.7/36

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 209.110+/-0.038 χ^2/NDF:1271244.1/19

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

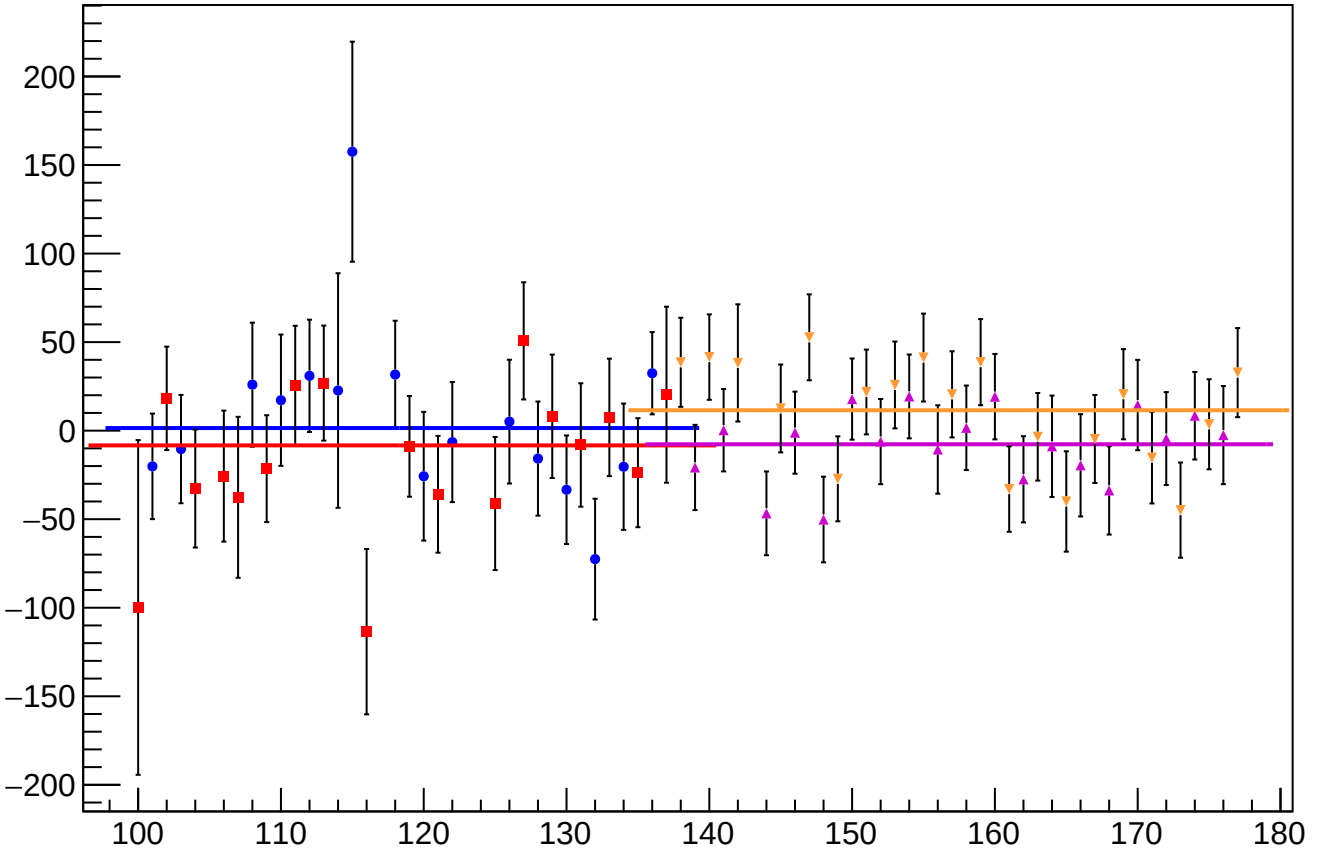
Left In: 182.422+/-0.034 χ^2/NDF:1585406.9/18

+ sign 204.939+/-0.031 χ^2/NDF: 2307483.7/35

All: 190.830+/-0.021 χ^2/NDF: 5811527.3/72

- sign 179.482+/-0.028 χ^2/NDF: 3140242.8/36

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 11.523+/-5.639 χ^2/NDF:26.1/19

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

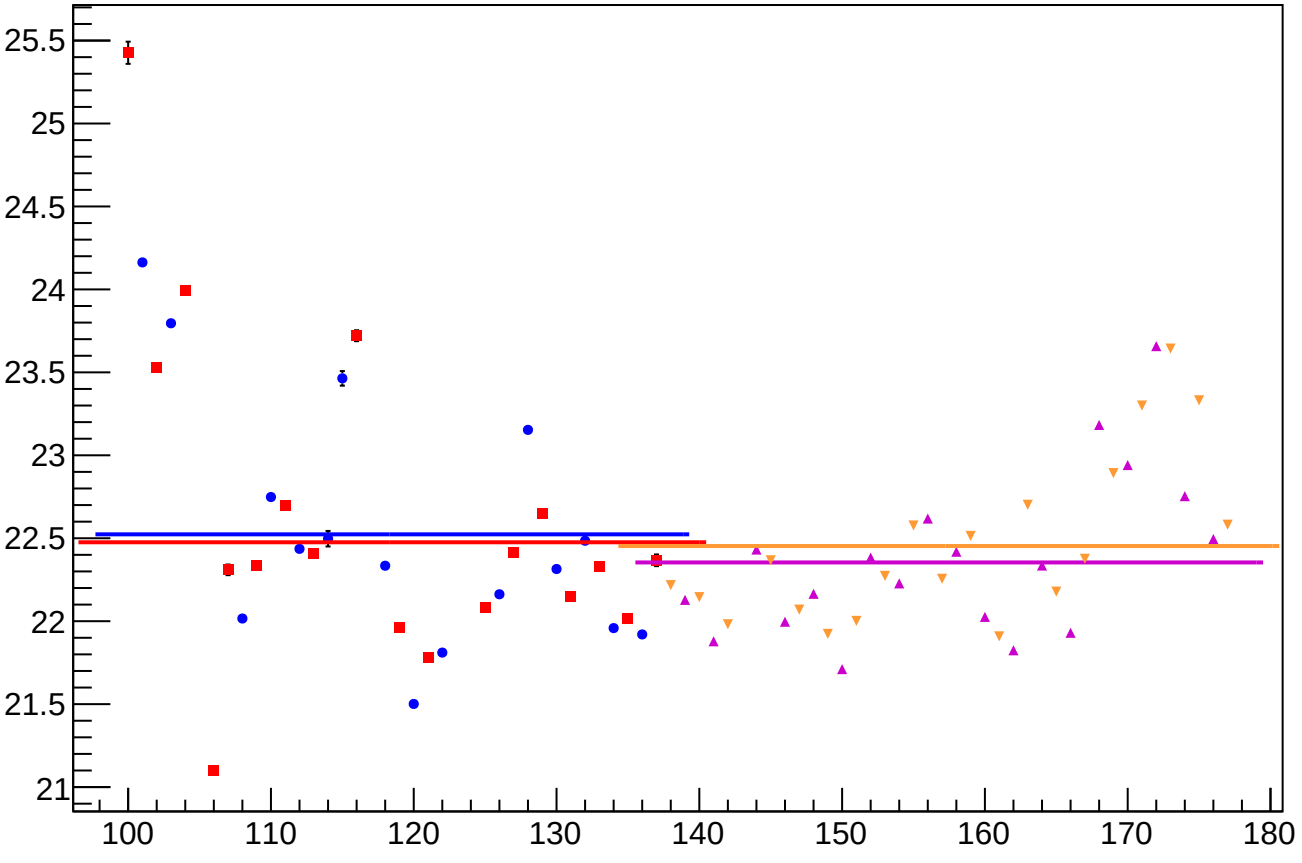
Left In: -7.690+/-5.673 χ^2/NDF:13.4/18

+ sign 8.386+/-4.677 χ^2/NDF: 45.8/35

All: 0.253+/-3.308 χ^2/NDF: 81.3/72

- sign -7.894+/-4.681 χ^2/NDF: 29.4/36

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.453+/-0.004 χ^2/NDF:13946.0/19

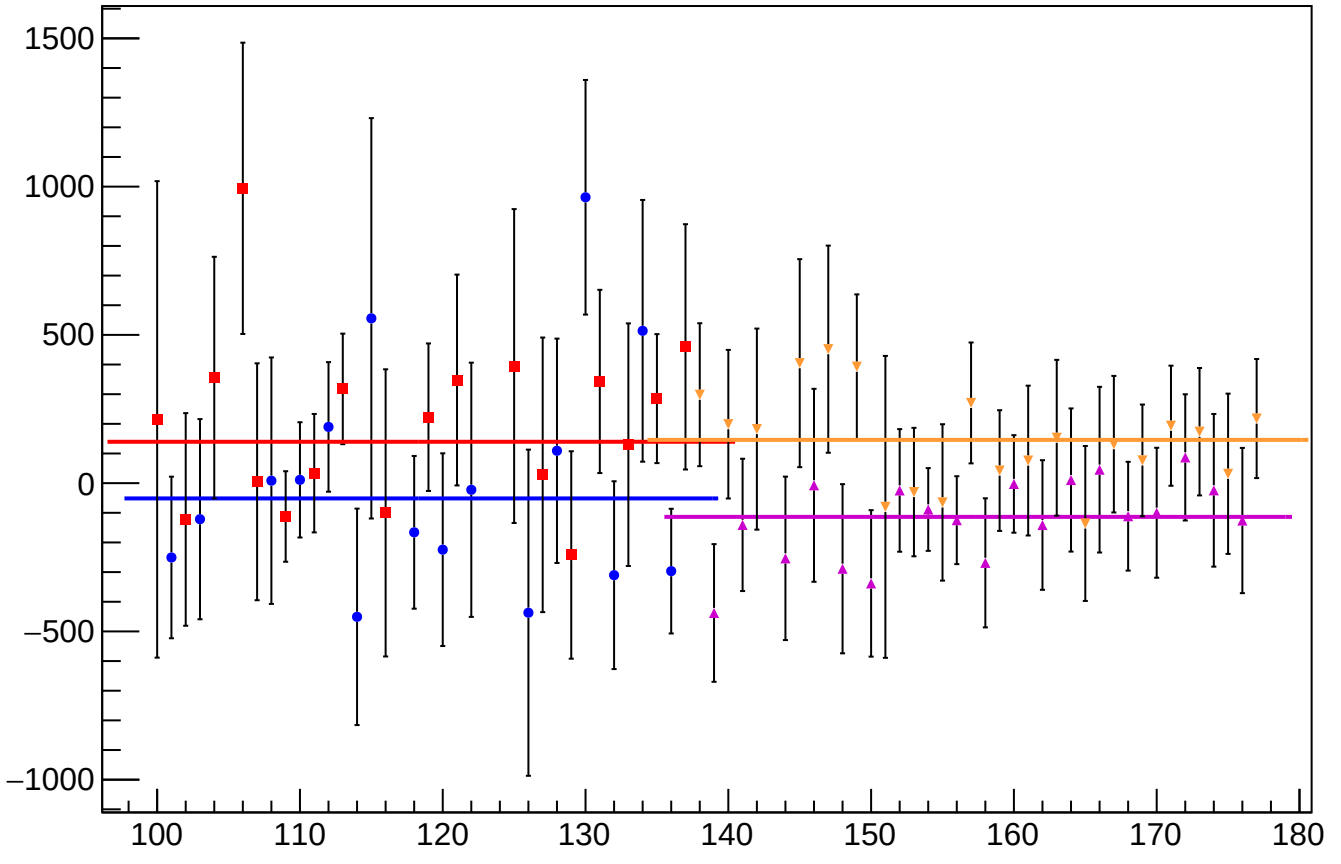
Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.354+/-0.004 χ^2/NDF:14033.0/18

+ sign 22.475+/-0.003 χ^2/NDF: 29991.5/35

All: 22.434+/-0.002 χ^2/NDF: 60162.2/72

- sign 22.393+/-0.003 χ^2/NDF: 29862.5/36



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 145.995+/-54.303 χ^2/NDF:6.7/19

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

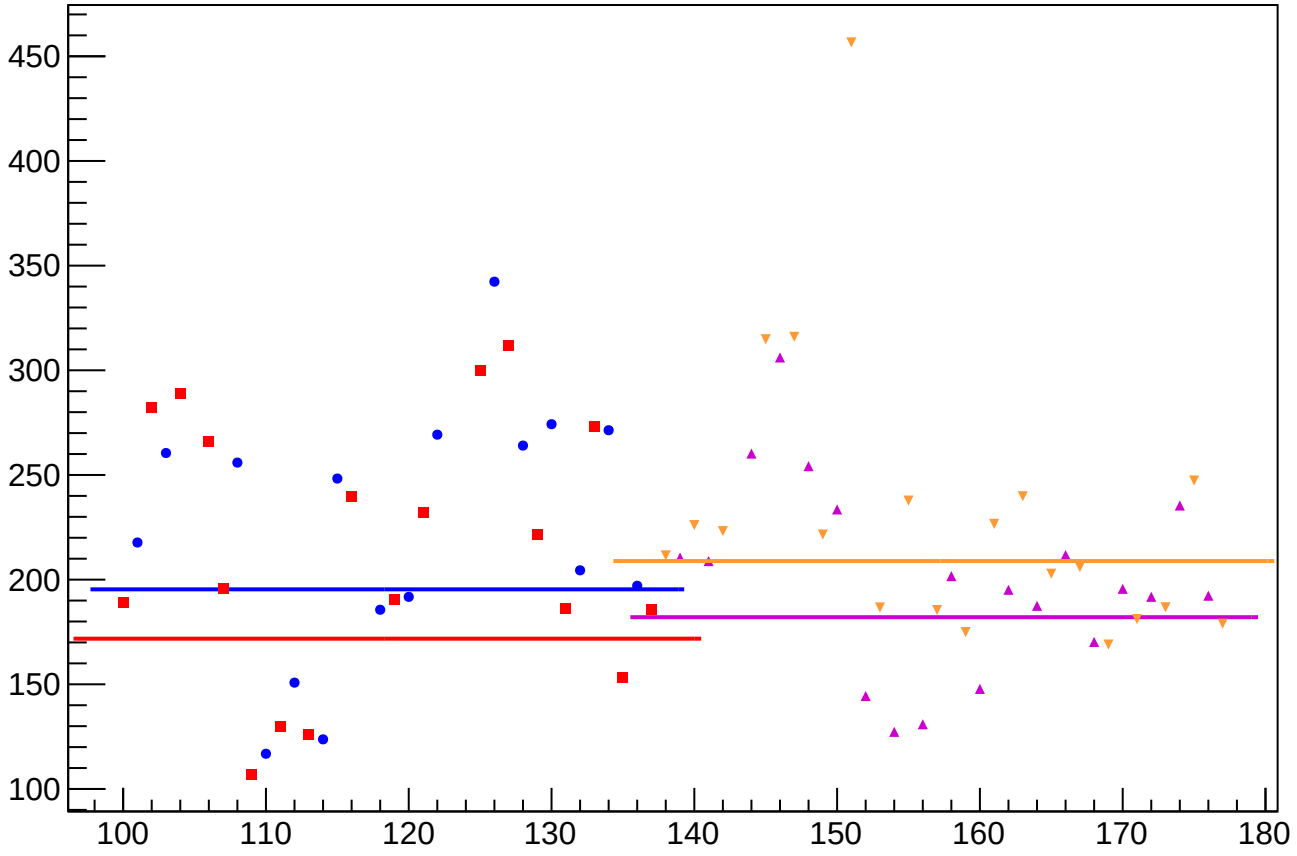
Left In: -113.724+/-48.594 χ^2/NDF:6.3/18

+ sign 80.168+/-44.339 χ^2/NDF: 26.4/35

All: 19.270+/-29.580 χ^2/NDF: 56.7/72

- sign -29.573+/-39.708 χ^2/NDF: 26.9/36

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 208.885+/-0.038 χ^2/NDF:1261845.4/19

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

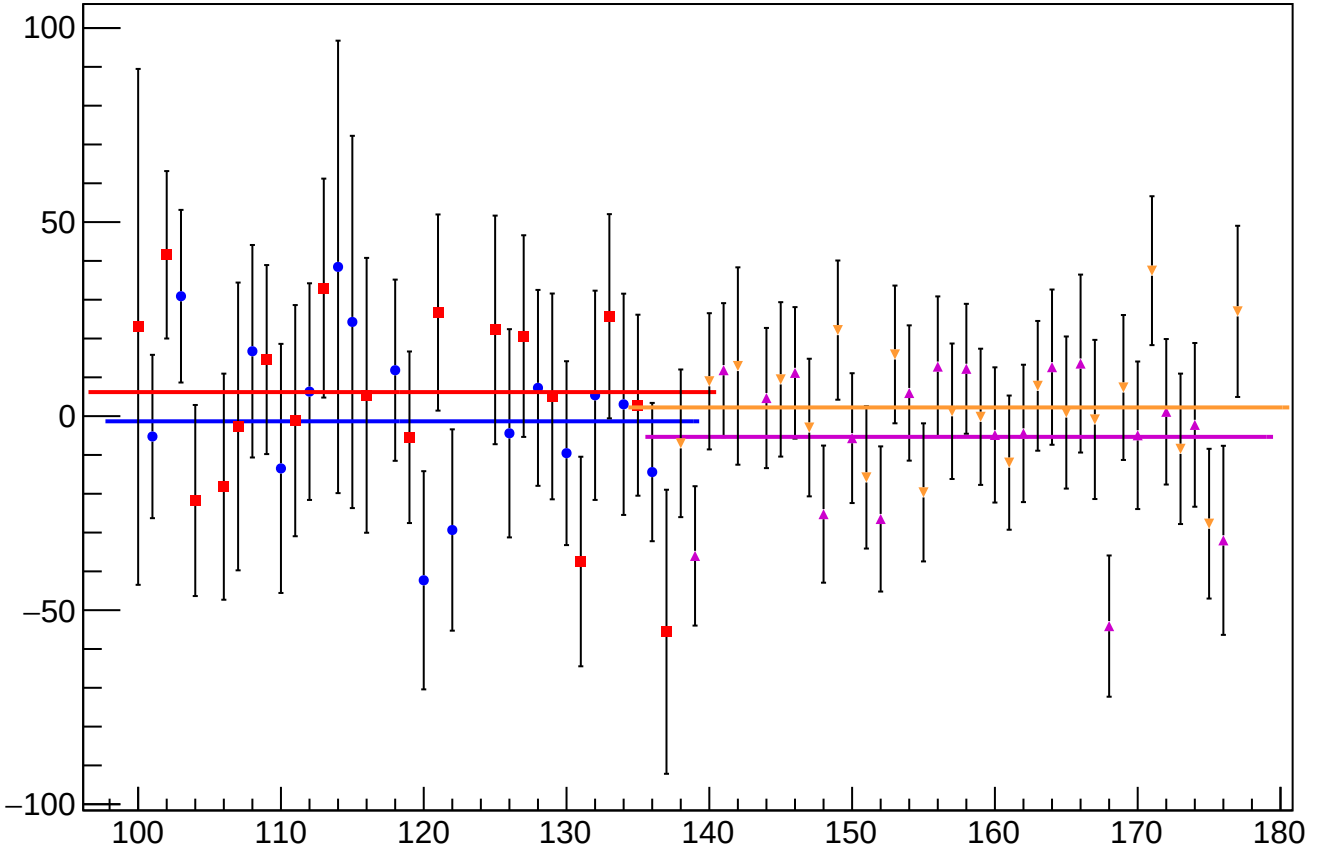
Left In: 182.060+/-0.034 χ^2/NDF:1581063.9/18

+ sign 204.377+/-0.031 χ^2/NDF: 2344626.6/35

All: 190.102+/-0.021 χ^2/NDF: 5929535.4/72

- sign 178.653+/-0.028 χ^2/NDF: 3211323.4/36

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.245+/-4.185 χ^2/NDF:13.3/19

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

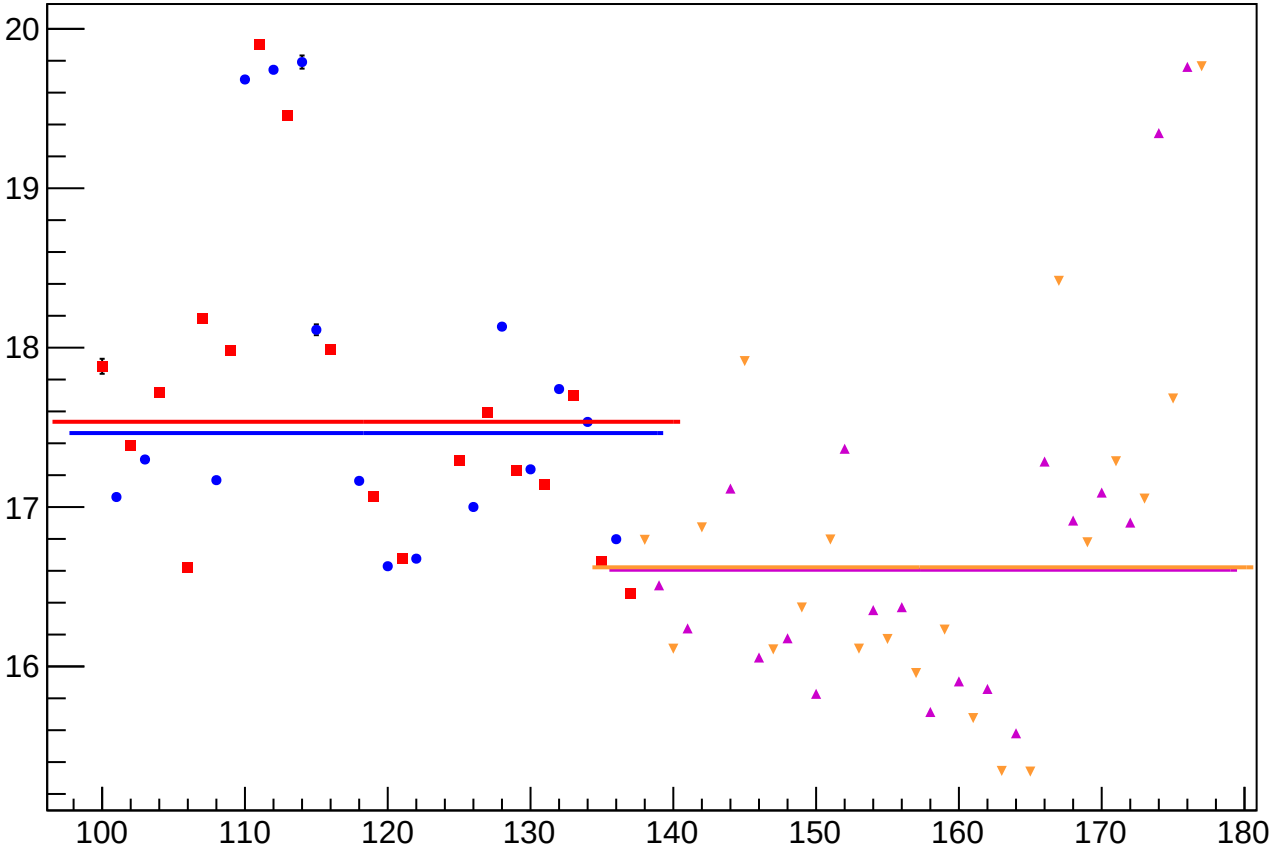
Left In: -5.340+/-4.225 χ^2/NDF:20.2/18

\+ sign 1.197+/-3.518 χ^2/NDF: 21.6/35

All: -0.340+/-2.495 χ^2/NDF: 57.9/72

\- sign -1.893+/-3.538 χ^2/NDF: 35.9/36

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.622+/-0.003 χ^2/NDF:111348.0/19

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

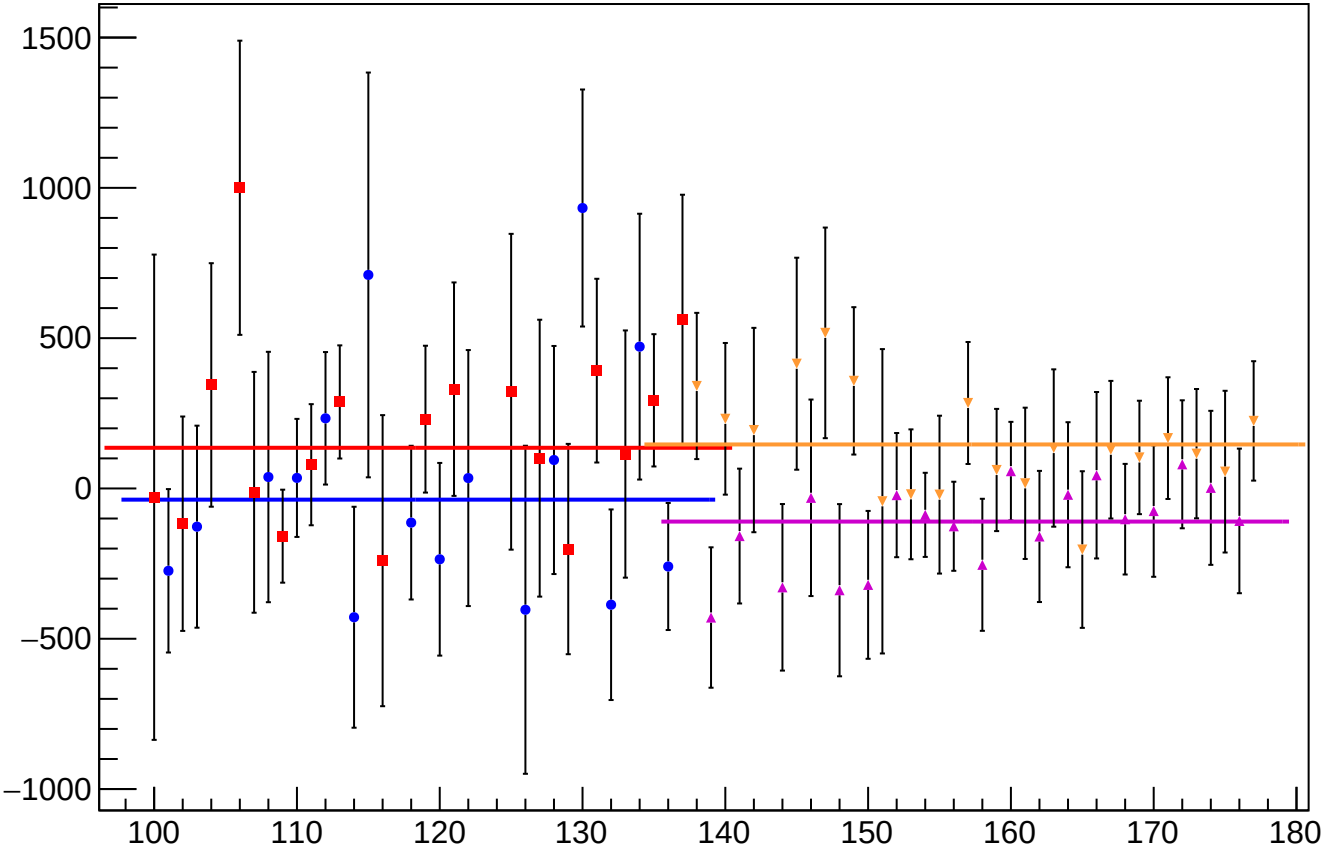
Left In: 16.607+/-0.003 χ^2/NDF:103386.9/18

\+ sign 16.869+/-0.002 χ^2/NDF: 171747.2/35

All: 16.876+/-0.002 χ^2/NDF: 338472.6/72

\- sign 16.884+/-0.003 χ^2/NDF: 166706.5/36

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 146.378+/-54.241 χ^2/NDF:7.4/19

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

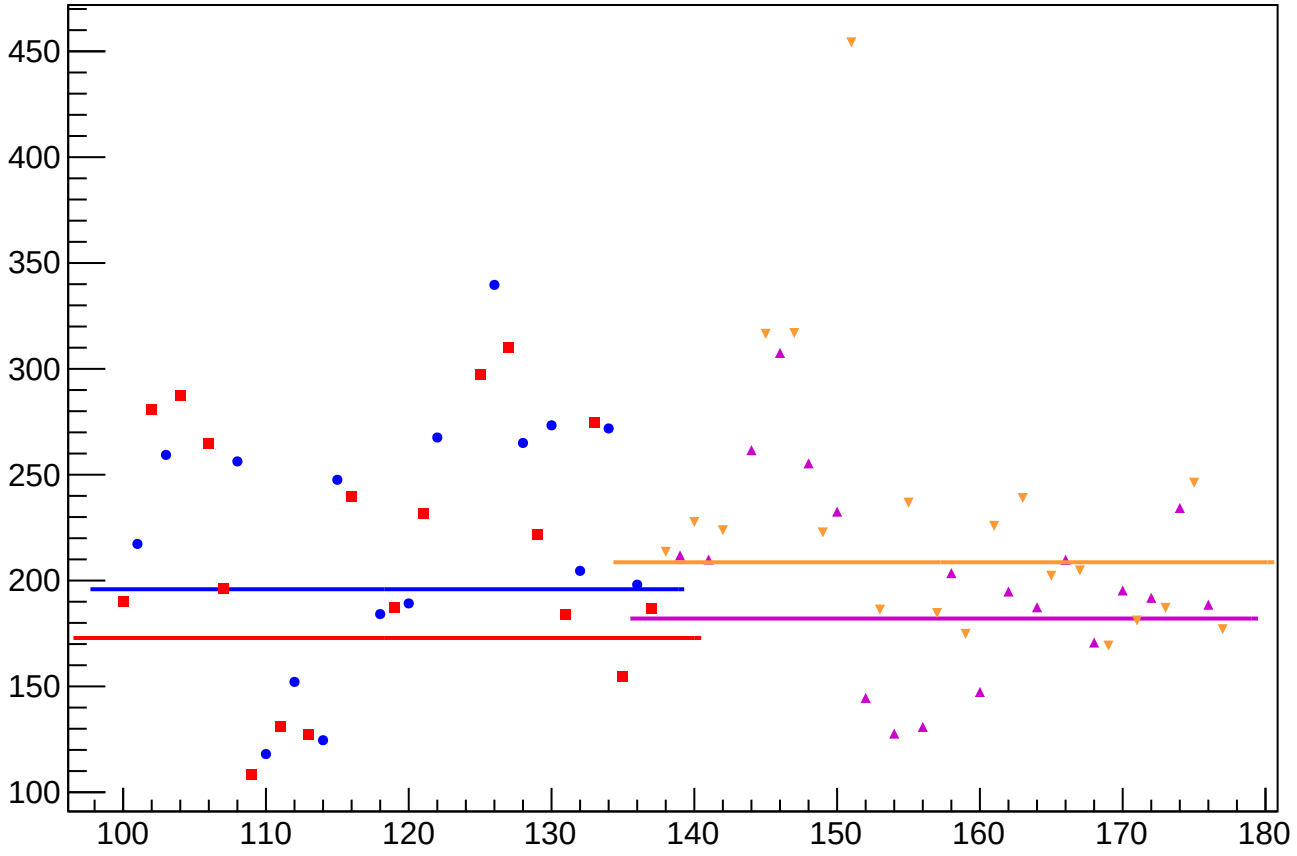
Left In: -110.196+/-48.588 χ^2/NDF:7.2/18

+ sign 85.391+/-44.327 χ^2/NDF: 26.9/35

All: 21.957+/-29.597 χ^2/NDF: 59.0/72

- sign -29.070+/-39.757 χ^2/NDF: 28.4/36

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 208.641+/-0.038 χ^2/NDF:1271375.5/19

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

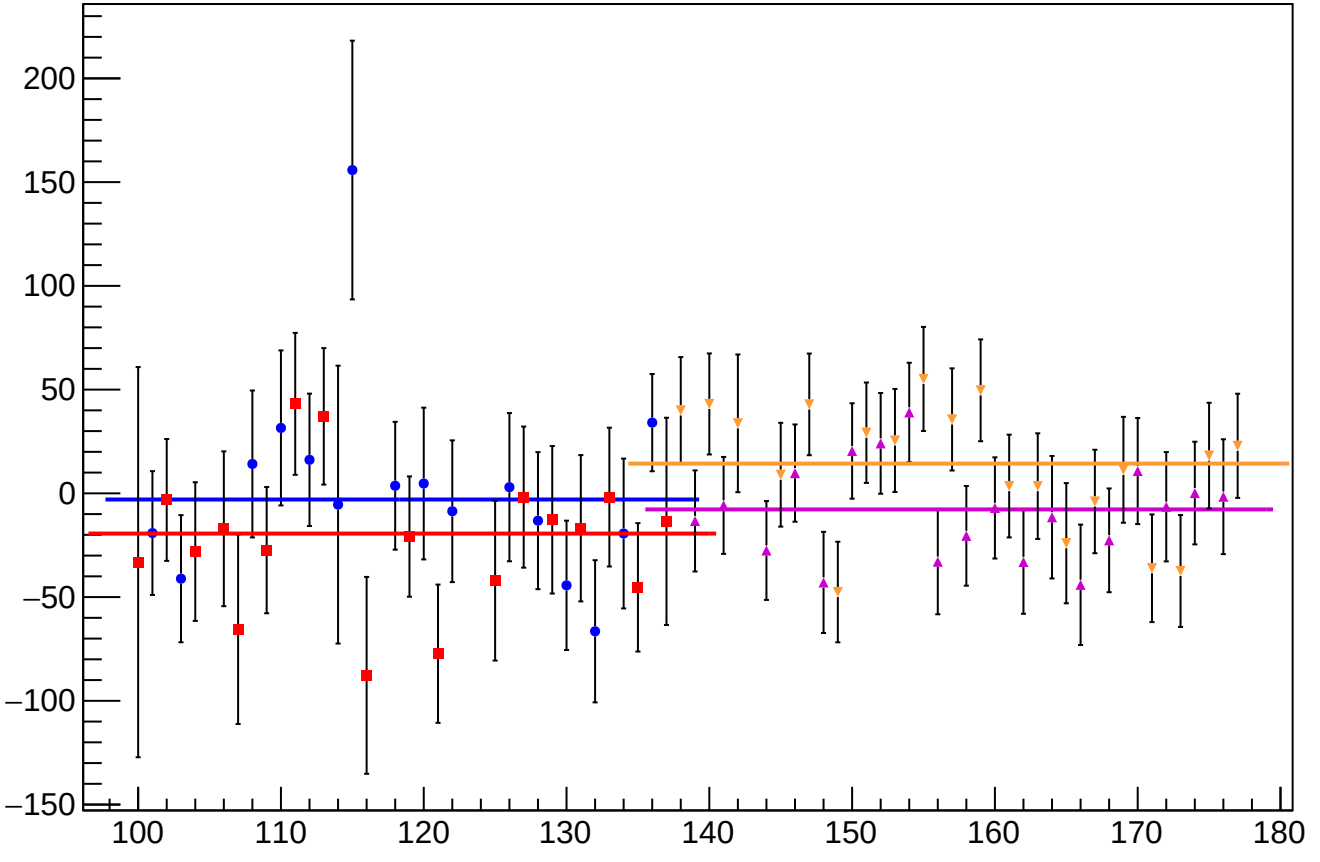
Left In: 182.058+/-0.034 χ^2/NDF:1585263.2/18

+ sign 204.409+/-0.031 χ^2/NDF: 2319041.3/35

All: 190.340+/-0.021 χ^2/NDF: 5834723.5/72

- sign 179.023+/-0.028 χ^2/NDF: 3152142.9/36

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.336+/-5.698 χ^2/NDF:27.0/19

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

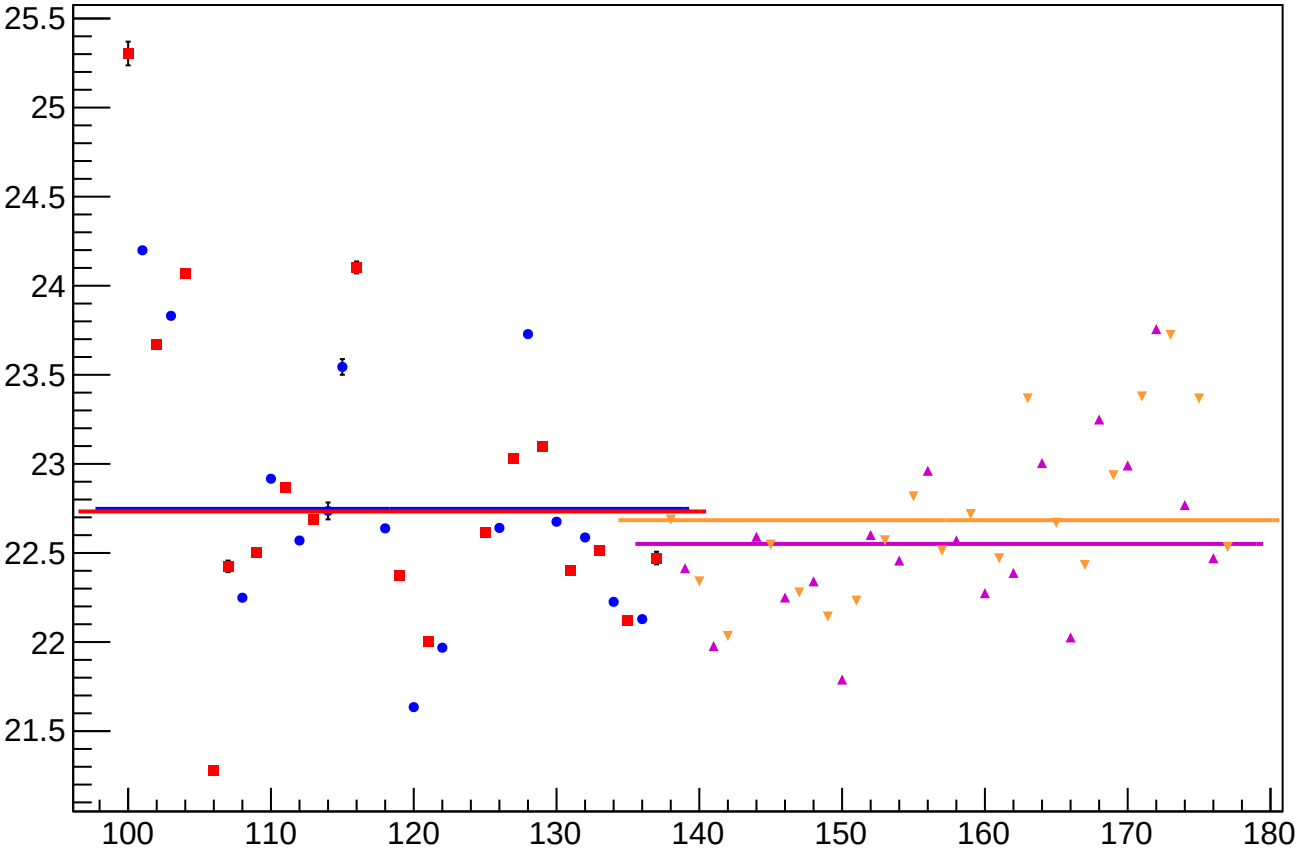
Left In: -7.750+/-5.723 χ^2/NDF:15.3/18

+ sign 8.931+/-4.725 χ^2/NDF: 47.8/35

All: -1.257+/-3.341 χ^2/NDF: 88.3/72

- sign -11.451+/-4.726 χ^2/NDF: 31.2/36

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.684+/-0.004 χ^2/NDF:11577.7/19

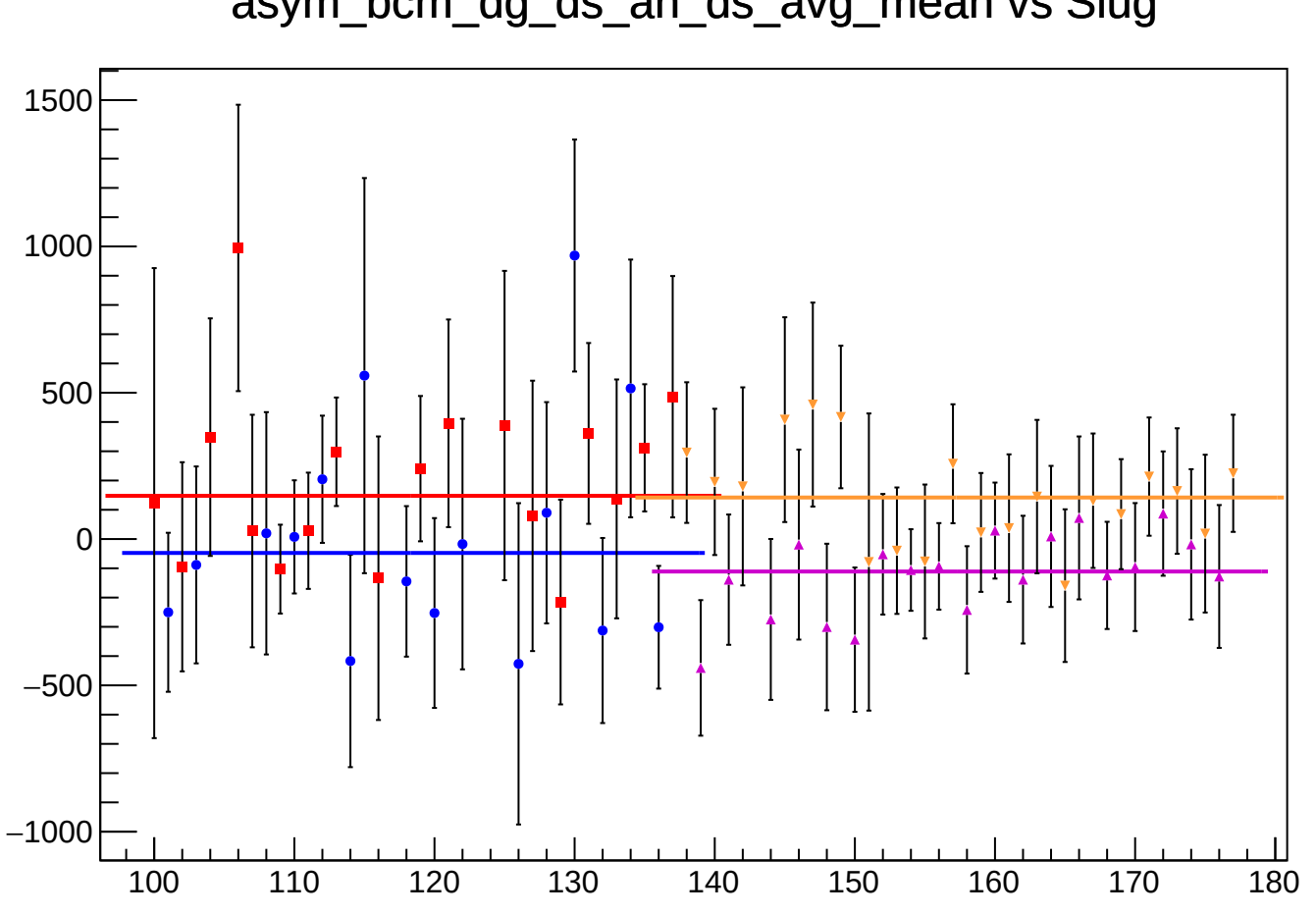
Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.551+/-0.004 χ^2/NDF:12488.9/18

+ sign 22.704+/-0.003 χ^2/NDF: 26278.3/35

All: 22.656+/-0.002 χ^2/NDF: 54204.2/72

- sign 22.609+/-0.003 χ^2/NDF: 27522.0/36



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 141.974+/-54.181 χ^2/NDF:7.5/19

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

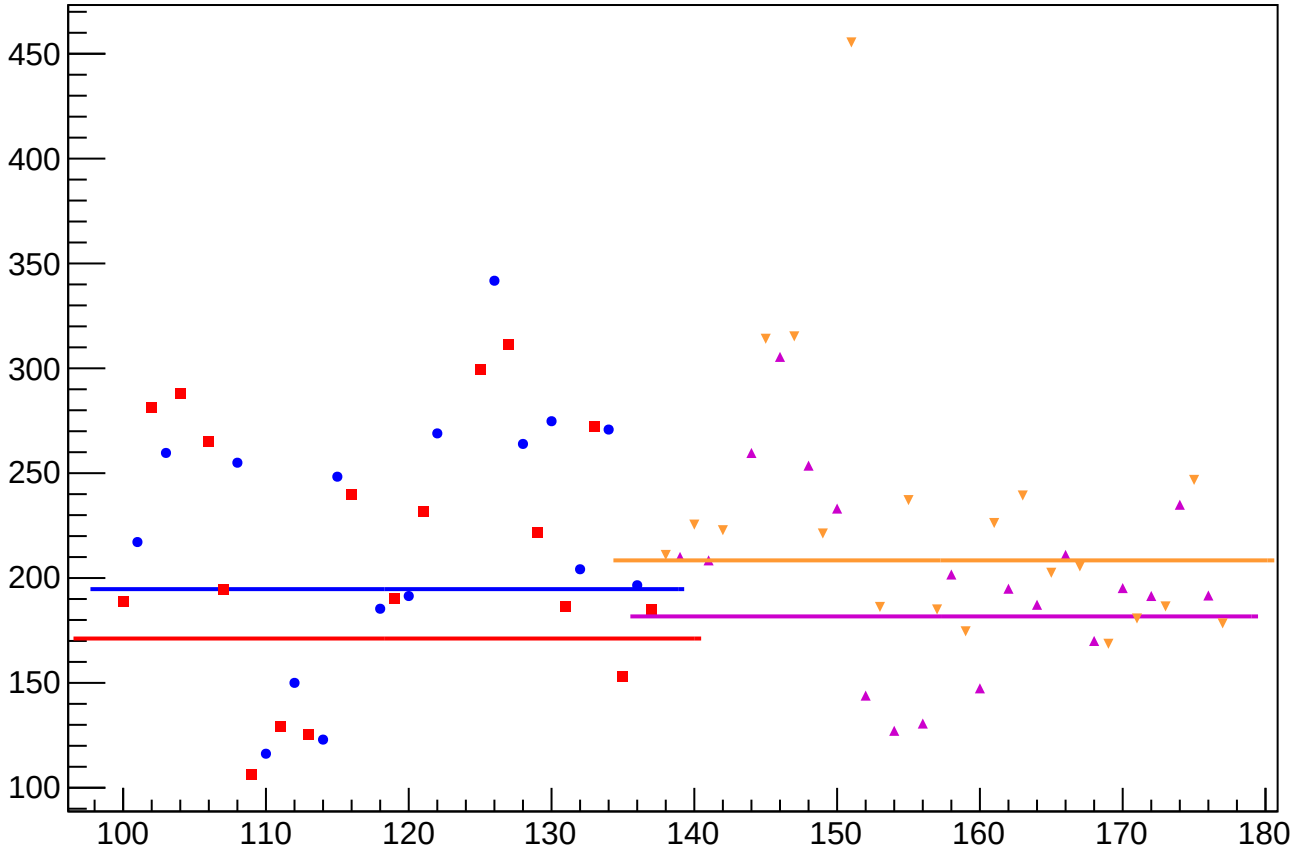
Left In: -110.976+/-48.497 χ^2/NDF:6.7/18

+ sign 78.751+/-44.228 χ^2/NDF: 27.0/35

All: 21.269+/-29.507 χ^2/NDF: 57.8/72

- sign -24.839+/-39.612 χ^2/NDF: 27.7/36

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 208.416+/-0.038 χ^2/NDF:1261966.1/19

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

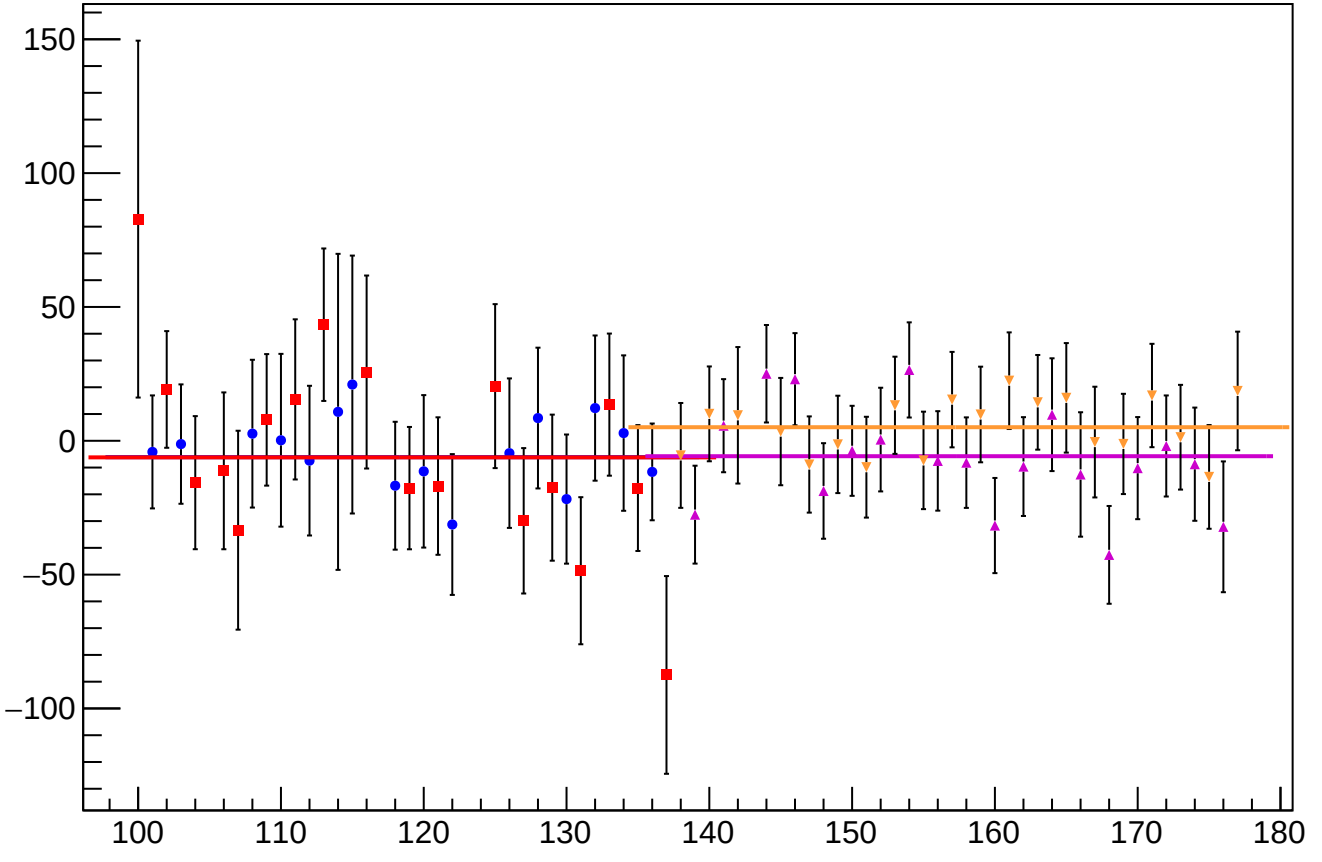
Left In: 181.699+/-0.034 χ^2/NDF:1580736.4/18

+ sign 203.843+/-0.031 χ^2/NDF: 2356970.2/35

All: 189.608+/-0.021 χ^2/NDF: 5954449.5/72

- sign 178.190+/-0.028 χ^2/NDF: 3224130.5/36

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.072+/-4.267 χ^2/NDF:6.2/19

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

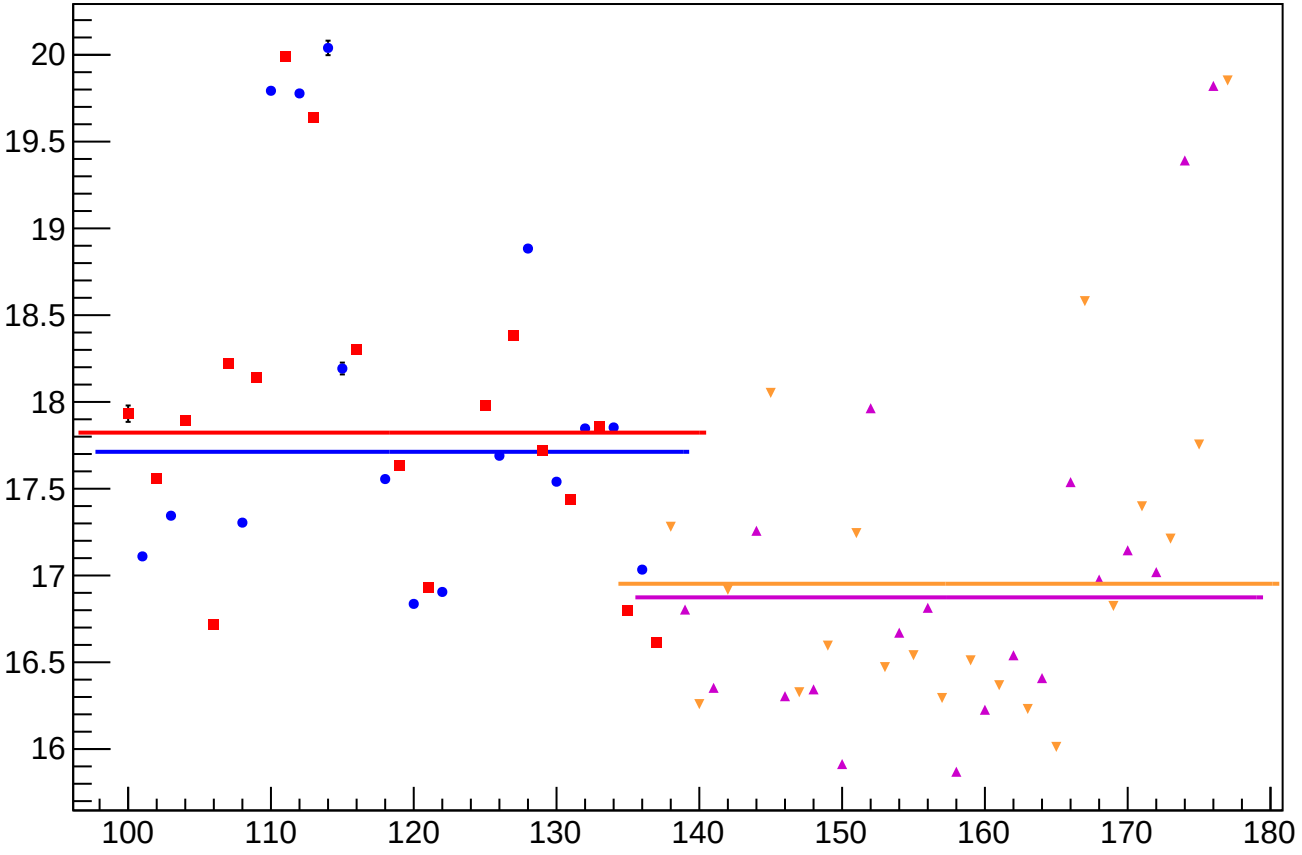
Left In: -5.760+/-4.293 χ^2/NDF:19.6/18

+ sign 1.768+/-3.582 χ^2/NDF: 11.4/35

All: -2.046+/-2.538 χ^2/NDF: 51.9/72

- sign -5.890+/-3.596 χ^2/NDF: 38.3/36

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.952+/-0.003 χ^2/NDF:80941.7/19

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

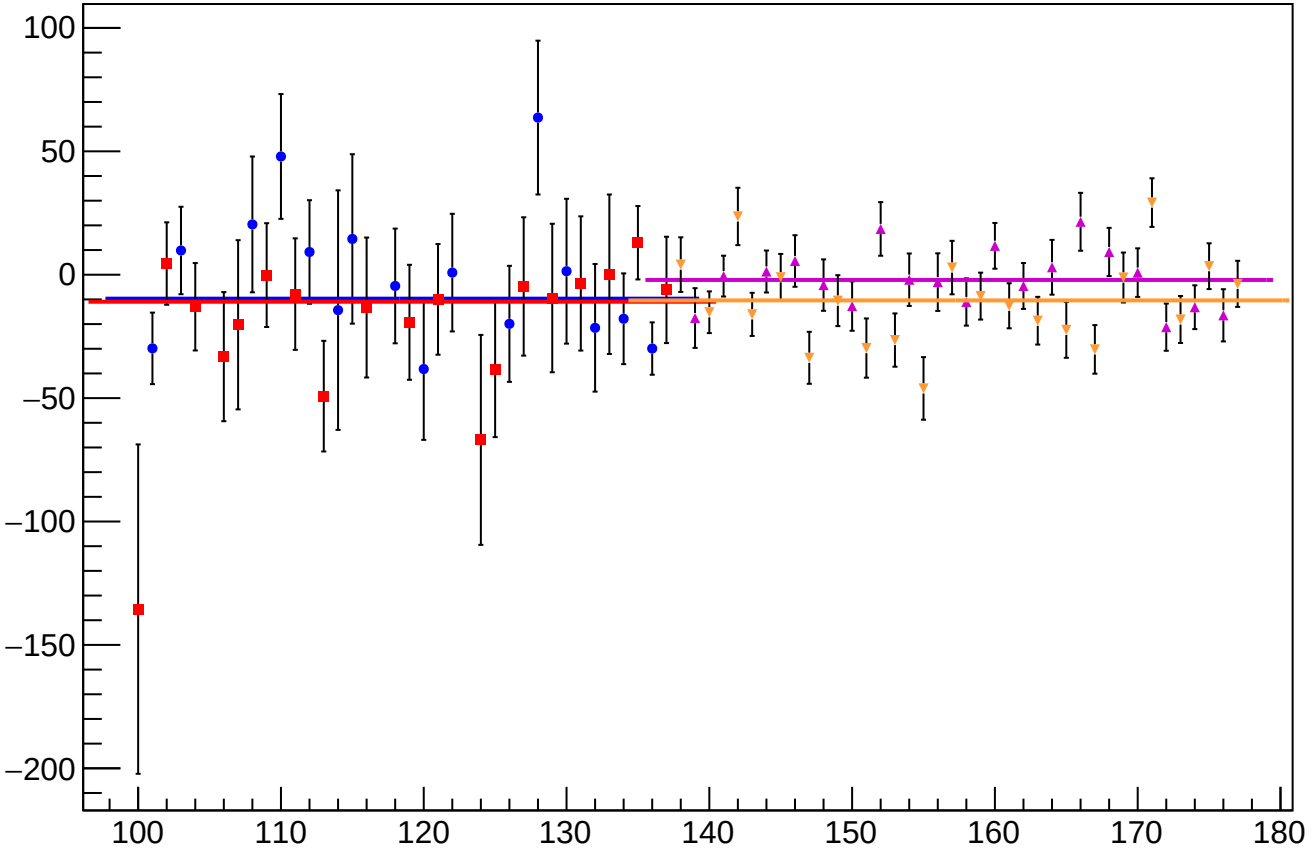
Left In: 16.874+/-0.003 χ^2/NDF:90801.5/18

+ sign 17.177+/-0.003 χ^2/NDF: 135672.1/35

All: 17.167+/-0.002 χ^2/NDF: 288195.2/72

- sign 17.157+/-0.003 χ^2/NDF: 152493.7/36

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.399+/-2.190 χ^2/NDF:57.5/20

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

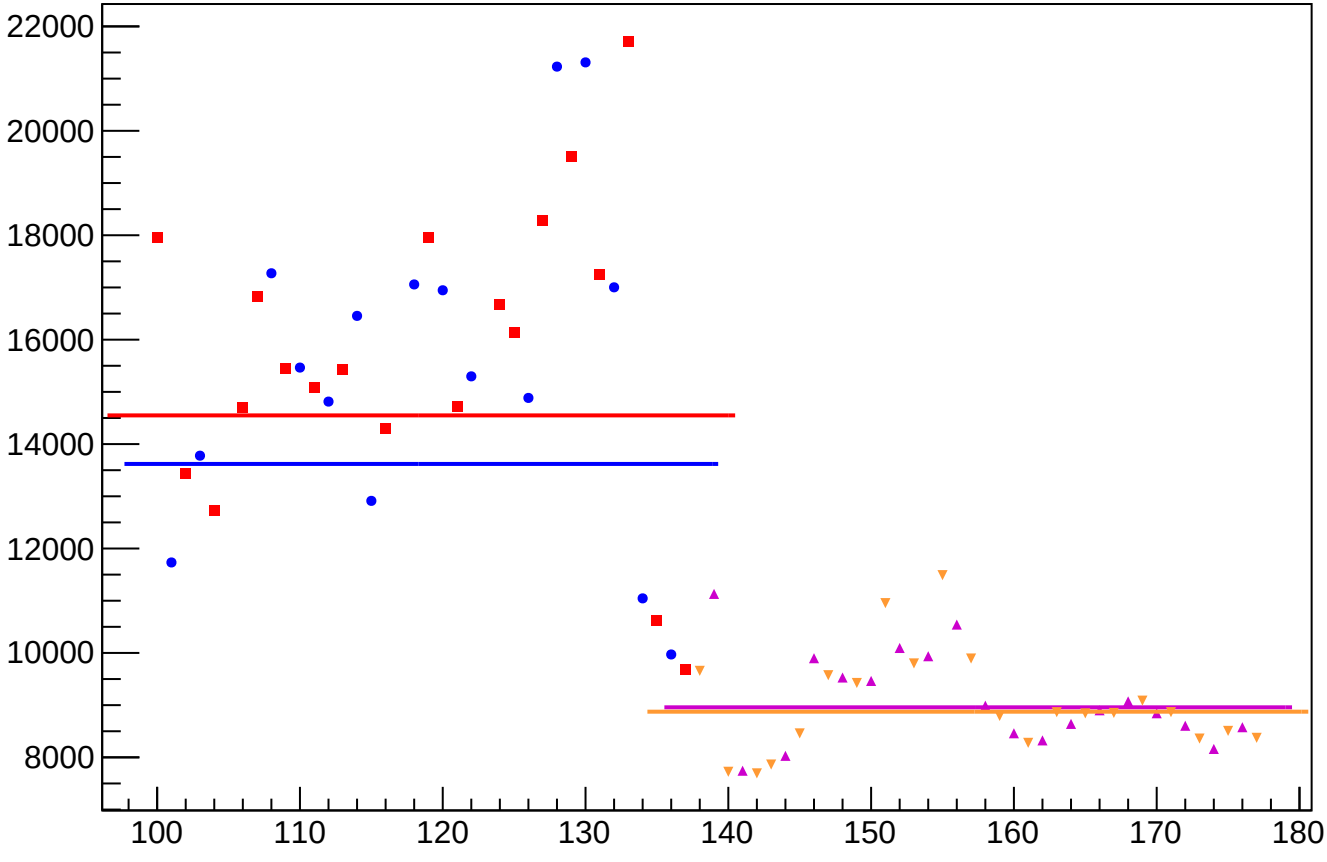
Left In: -2.120+/-2.287 χ^2/NDF:23.4/18

+ sign -10.295+/-2.020 χ^2/NDF: 79.6/36

All: -7.017+/-1.458 χ^2/NDF: 124.8/74

- sign -3.446+/-2.108 χ^2/NDF: 39.7/37

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8874.730+/-1.548 χ^2/NDF:314496.3/20

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

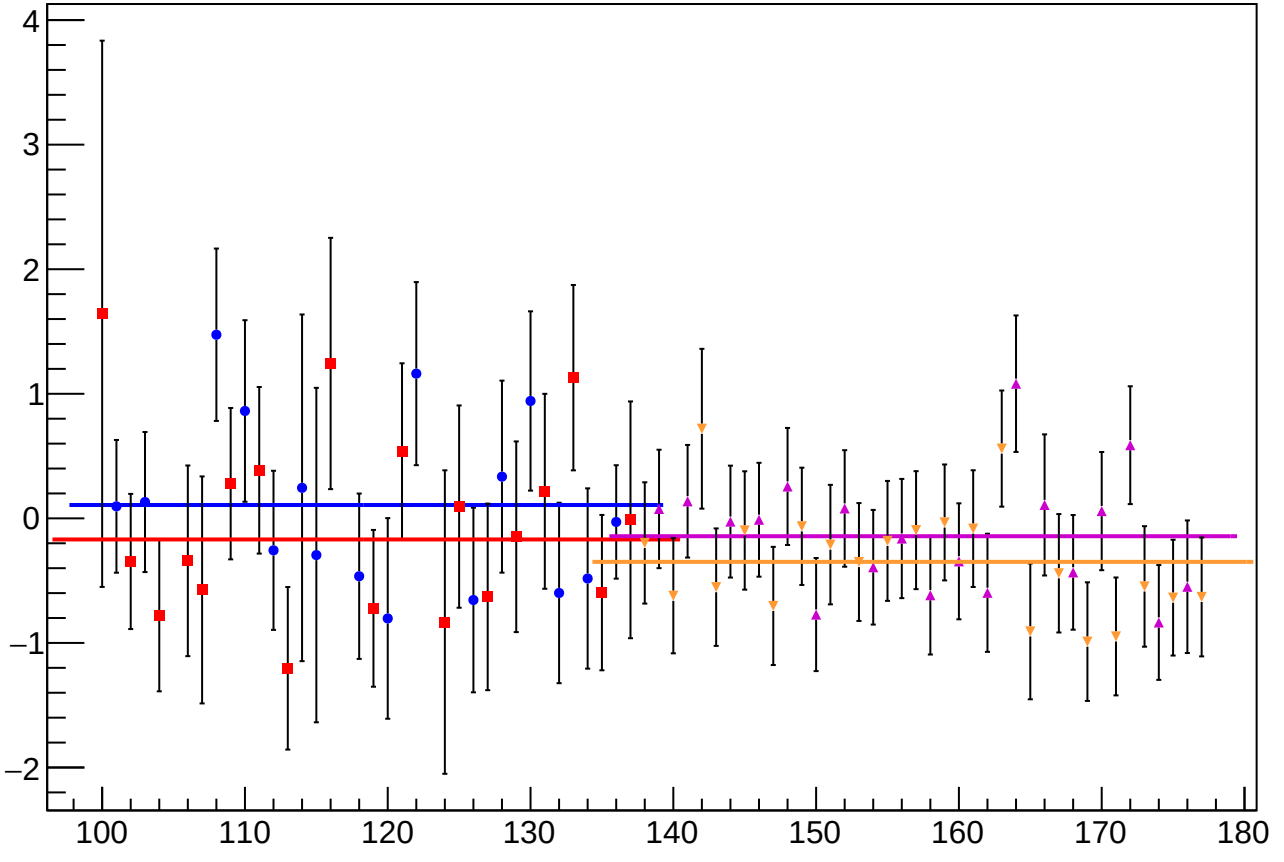
Left In: 8958.244+/-1.617 χ^2/NDF:273252.6/18

+ sign 9582.050+/-1.428 χ^2/NDF: 2461668.1/36

All: 9685.889+/-1.031 χ^2/NDF: 5099560.1/74

- sign 9798.996+/-1.491 χ^2/NDF: 2626847.7/37

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.349+/-0.105 χ^2/NDF:15.1/20

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

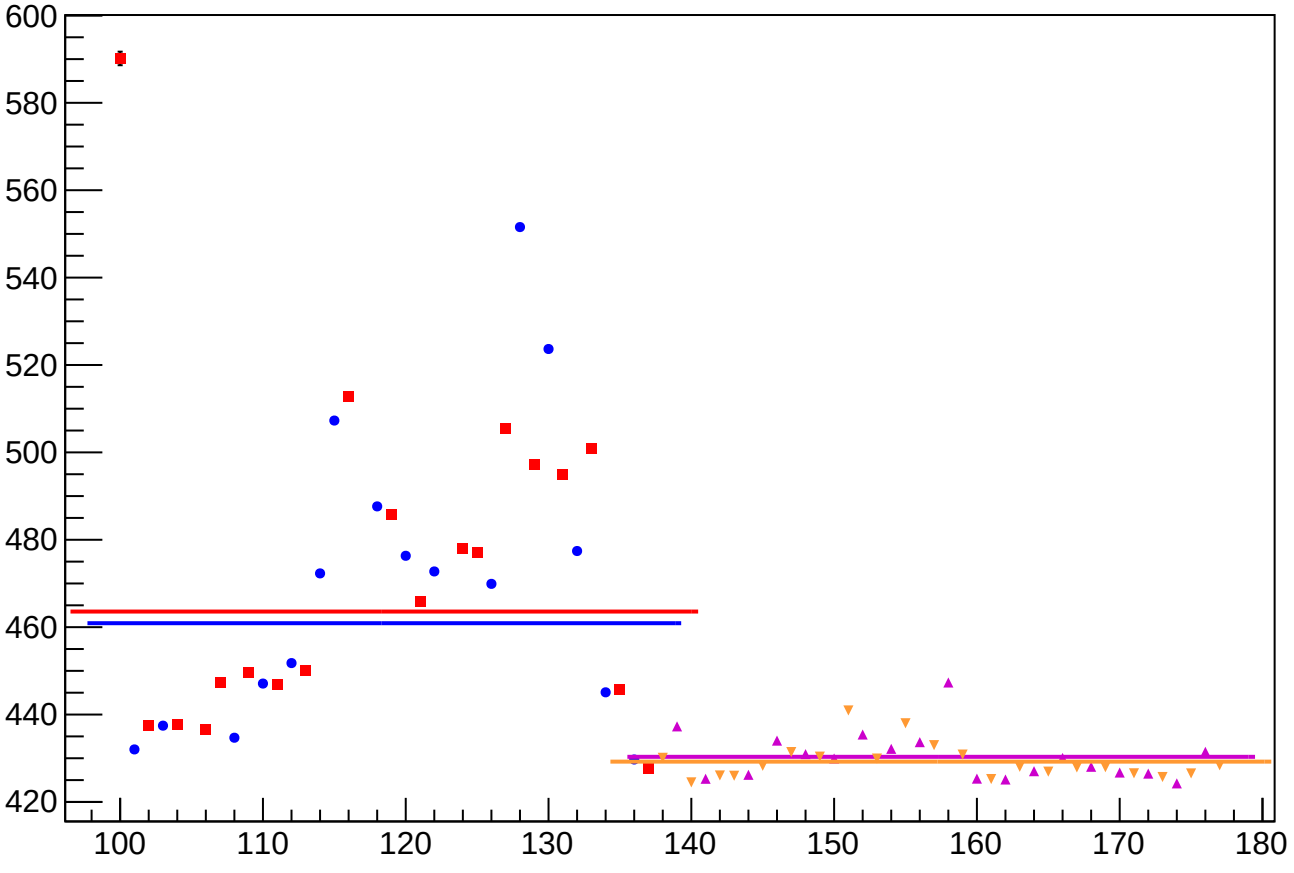
Left In: -0.143+/-0.109 χ^2/NDF:17.0/18

+ sign -0.225+/-0.090 χ^2/NDF: 33.9/36

All: -0.189+/-0.064 χ^2/NDF: 65.4/74

- sign -0.151+/-0.092 χ^2/NDF: 31.1/37

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.227+/-0.074 χ^2/NDF:2902.0/20

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

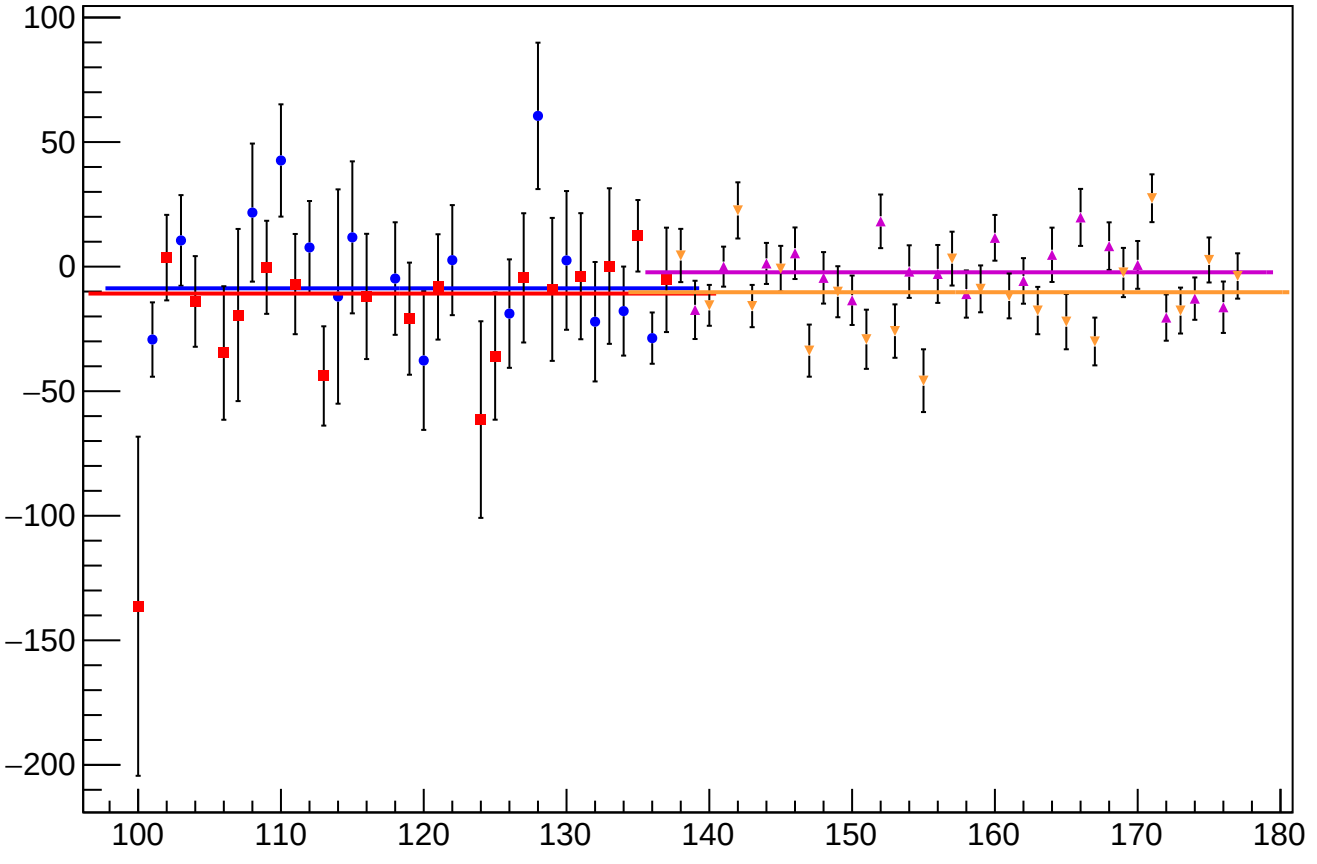
Left In: 430.328+/-0.077 χ^2/NDF:5095.8/18

+ sign 437.860+/-0.063 χ^2/NDF: 127357.7/36

All: 438.944+/-0.045 χ^2/NDF: 239638.0/74

- sign 440.081+/-0.065 χ^2/NDF: 111681.1/37

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.273+/-2.144 χ^2/NDF:56.8/20

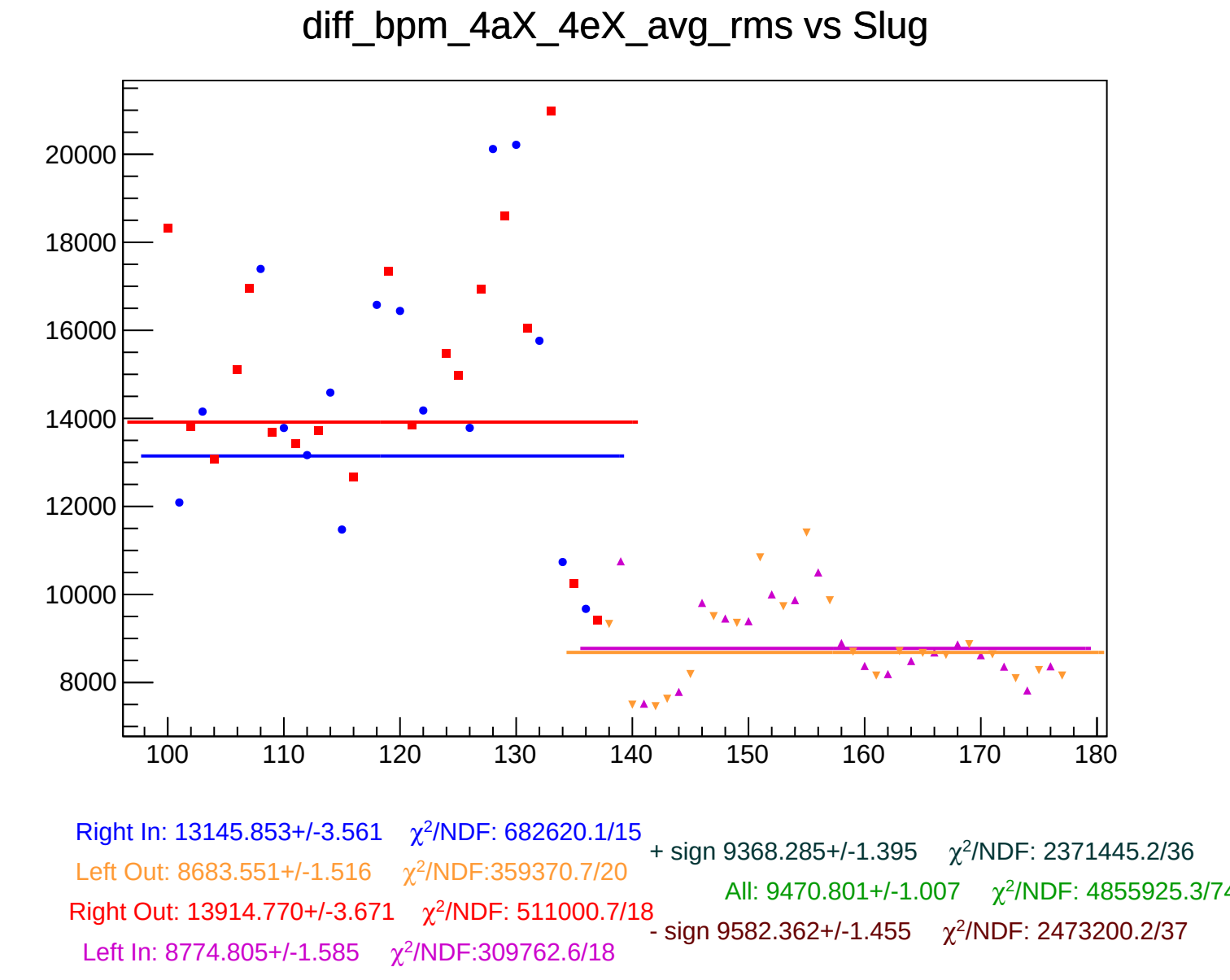
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -2.271+/-2.241 χ^2/NDF:23.3/18

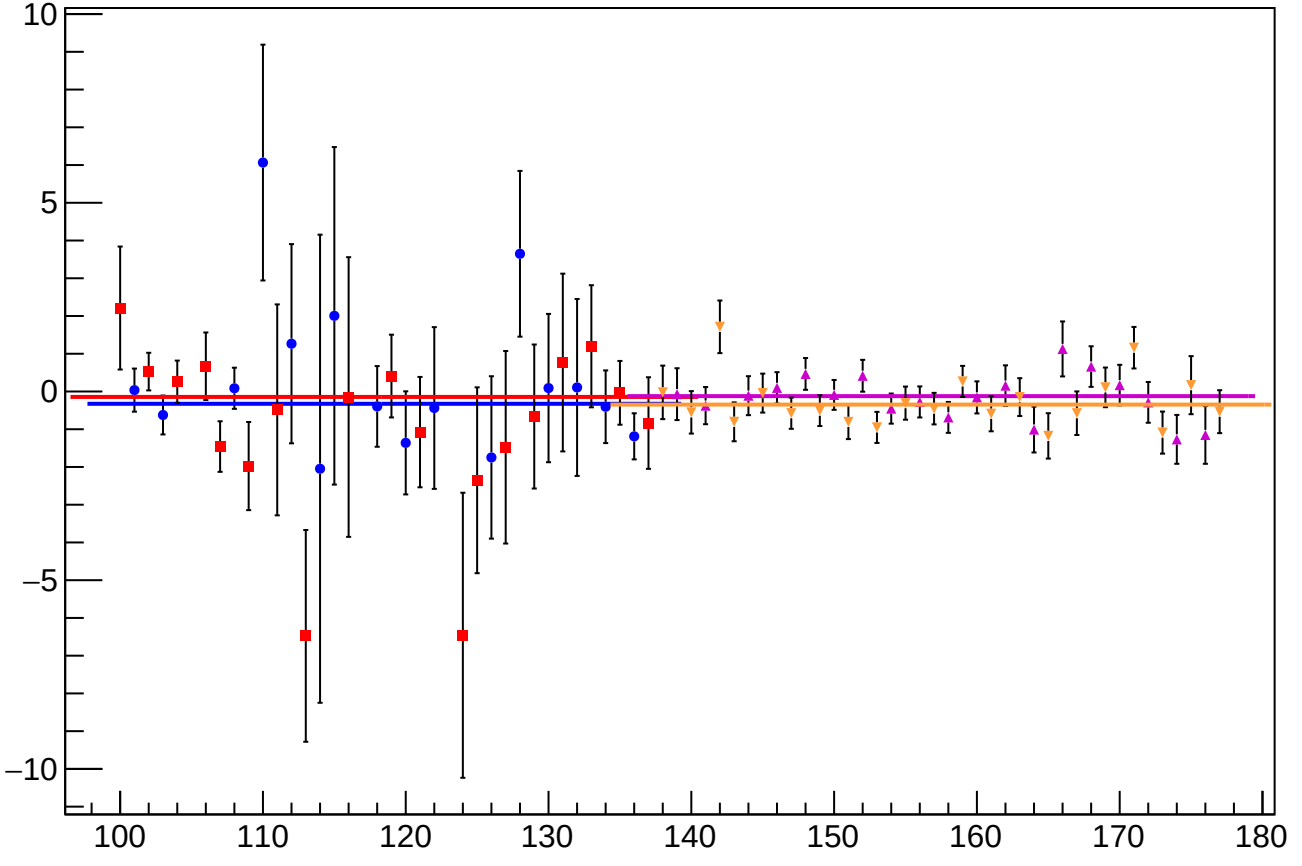
+ sign -10.033+/-1.973 χ^2/NDF: 79.2/36

All: -6.958+/-1.424 χ^2/NDF: 123.7/74

- sign -3.612+/-2.058 χ^2/NDF: 39.5/37


diff_bpm_4aX_4eX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8683.551+/-1.516 χ²/NDF:359370.7/20
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8774.805+/-1.585 χ²/NDF:309762.6/18
+ sign 9368.285+/-1.395 χ²/NDF: 2371445.2/36
All: 9470.801+/-1.007 χ²/NDF: 4855925.3/74
- sign 9582.362+/-1.455 χ²/NDF: 2473200.2/37

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.347+/-0.110 χ^2/NDF:29.2/20

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

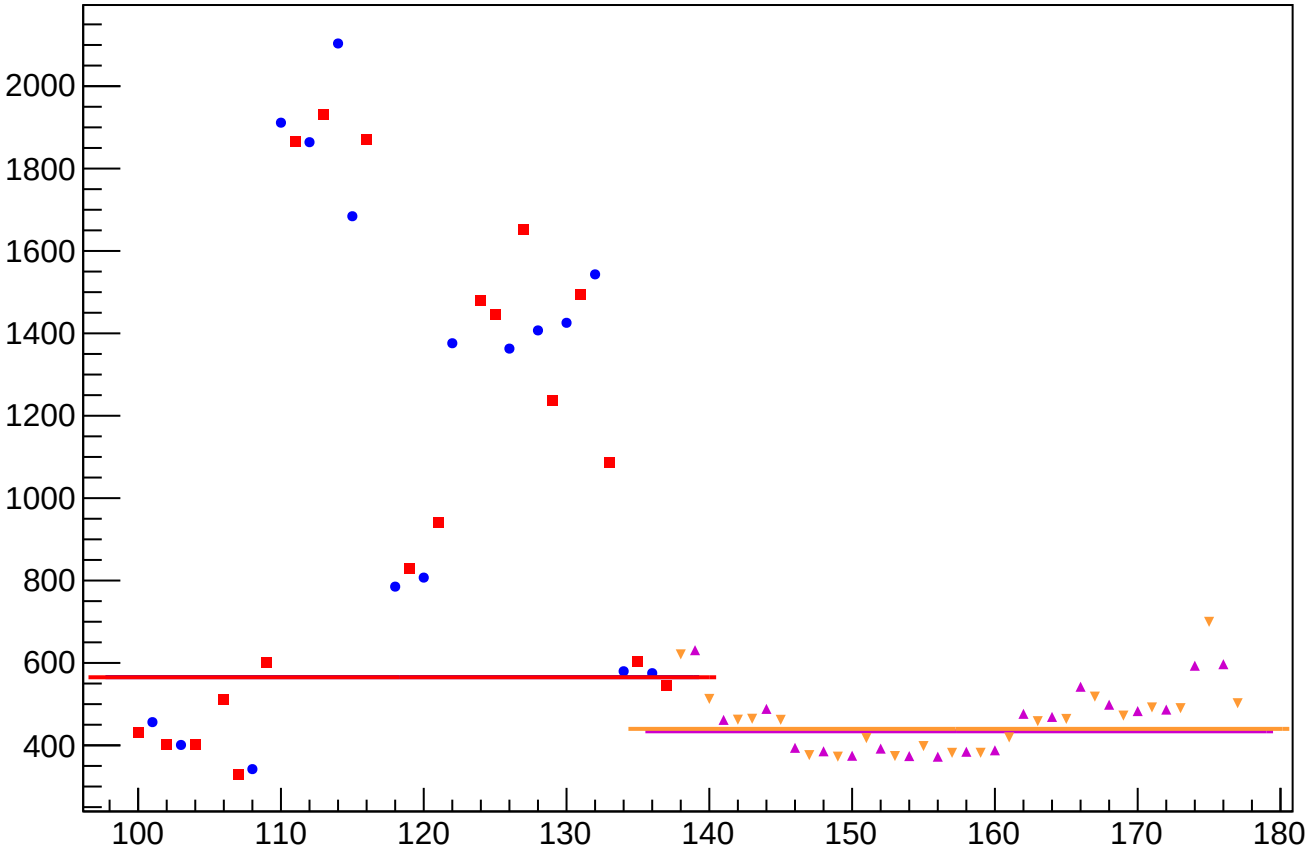
Left In: -0.123+/-0.112 χ^2/NDF:19.7/18

+ sign -0.343+/-0.100 χ^2/NDF: 41.8/36

All: -0.237+/-0.071 χ^2/NDF: 86.2/74

- sign -0.127+/-0.102 χ^2/NDF: 42.1/37

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 439.978+/-0.077 χ^2/NDF:769142.0/20

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

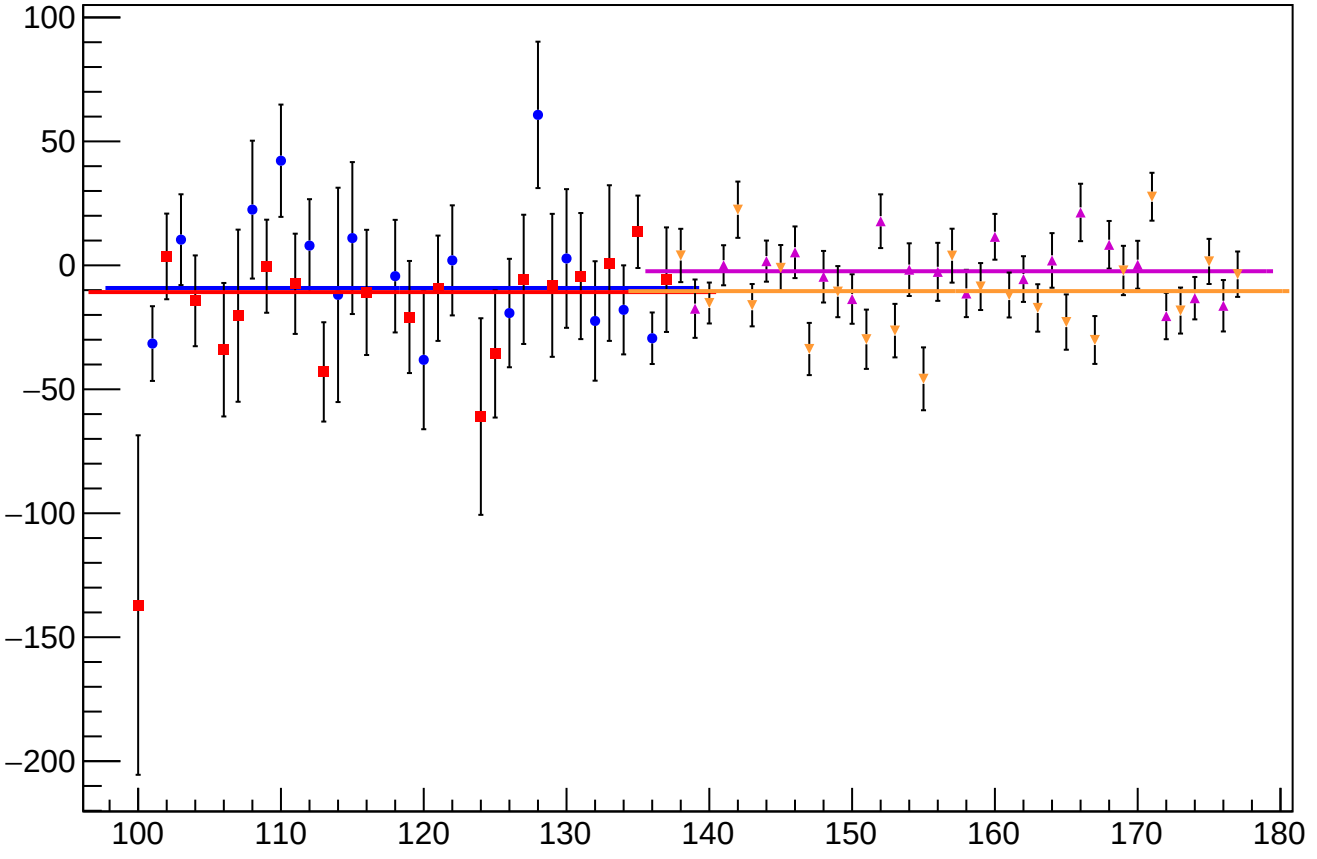
Left In: 434.061+/-0.079 χ^2/NDF:785367.7/18

+ sign 461.012+/-0.071 χ^2/NDF: 4660053.2/36

All: 458.973+/-0.050 χ^2/NDF: 9494793.2/74

- sign 456.854+/-0.072 χ^2/NDF: 4833042.1/37

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.398+/-2.158 χ^2/NDF:56.5/20

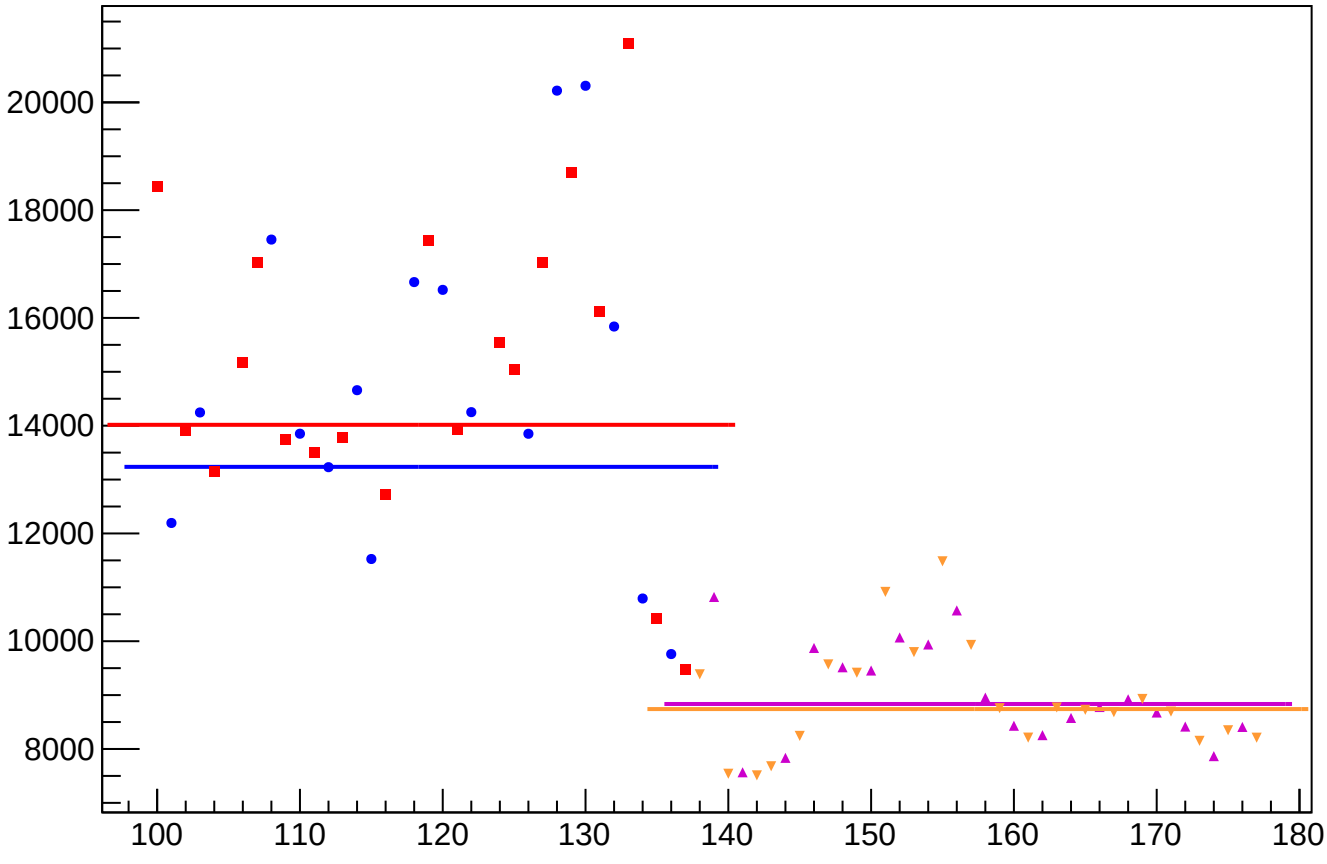
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -2.376+/-2.257 χ^2/NDF:23.4/18

+ sign -10.204+/-1.986 χ^2/NDF: 79.3/36

All: -7.089+/-1.434 χ^2/NDF: 123.6/74

- sign -3.698+/-2.072 χ^2/NDF: 39.2/37



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8740.612+/-1.526 χ^2/NDF:359746.9/20

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

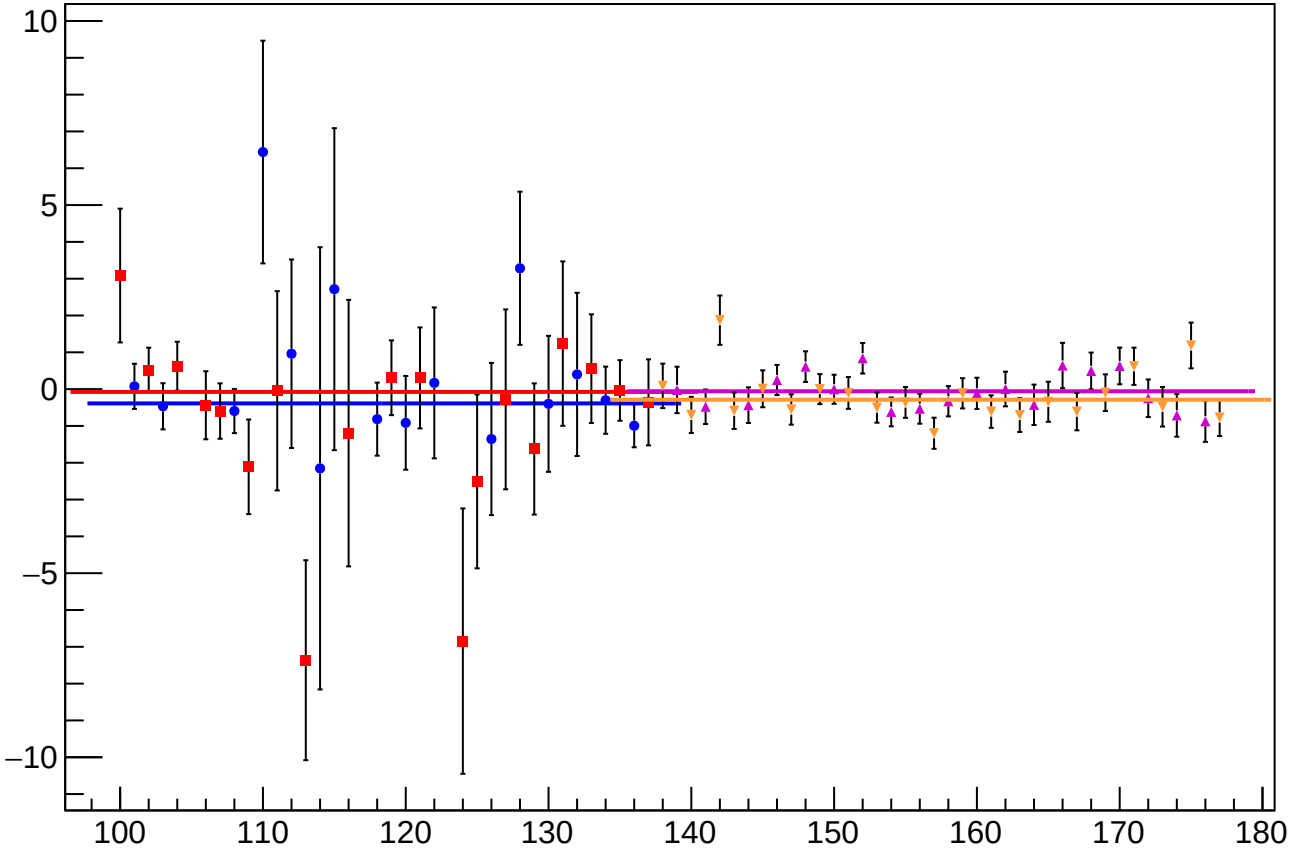
Left In: 8835.024+/-1.596 χ^2/NDF:309878.9/18

+ sign 9430.311+/-1.404 χ^2/NDF: 2365025.9/36

All: 9535.013+/-1.014 χ^2/NDF: 4841091.5/74

- sign 9649.023+/-1.465 χ^2/NDF: 2464449.5/37

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.288+/-0.104 χ^2/NDF:30.3/20

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

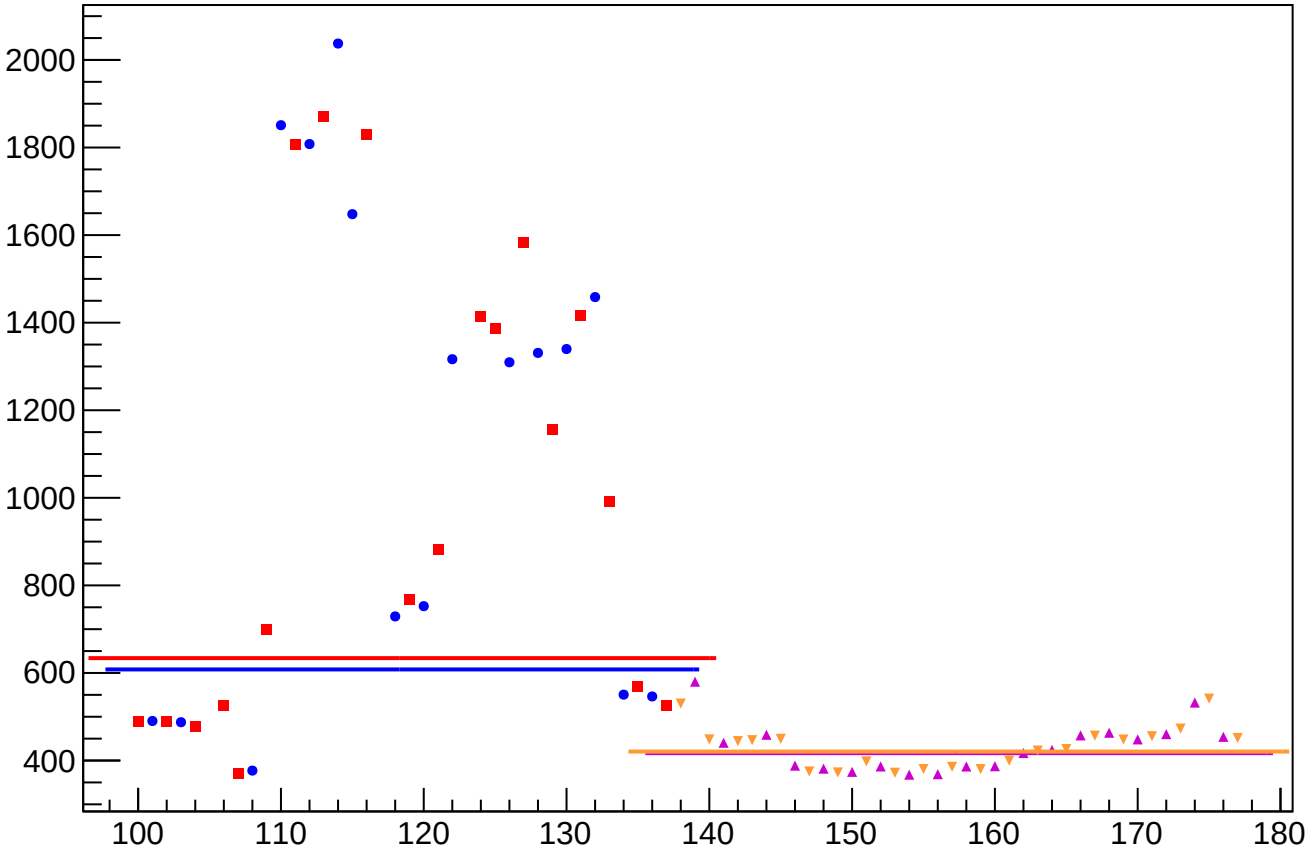
Left In: -0.058+/-0.107 χ^2/NDF:21.5/18

+ sign -0.302+/-0.096 χ^2/NDF: 42.1/36

All: -0.185+/-0.069 χ^2/NDF: 88.3/74

- sign -0.061+/-0.099 χ^2/NDF: 43.2/37

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 420.468+/-0.073 χ^2/NDF:355607.0/20

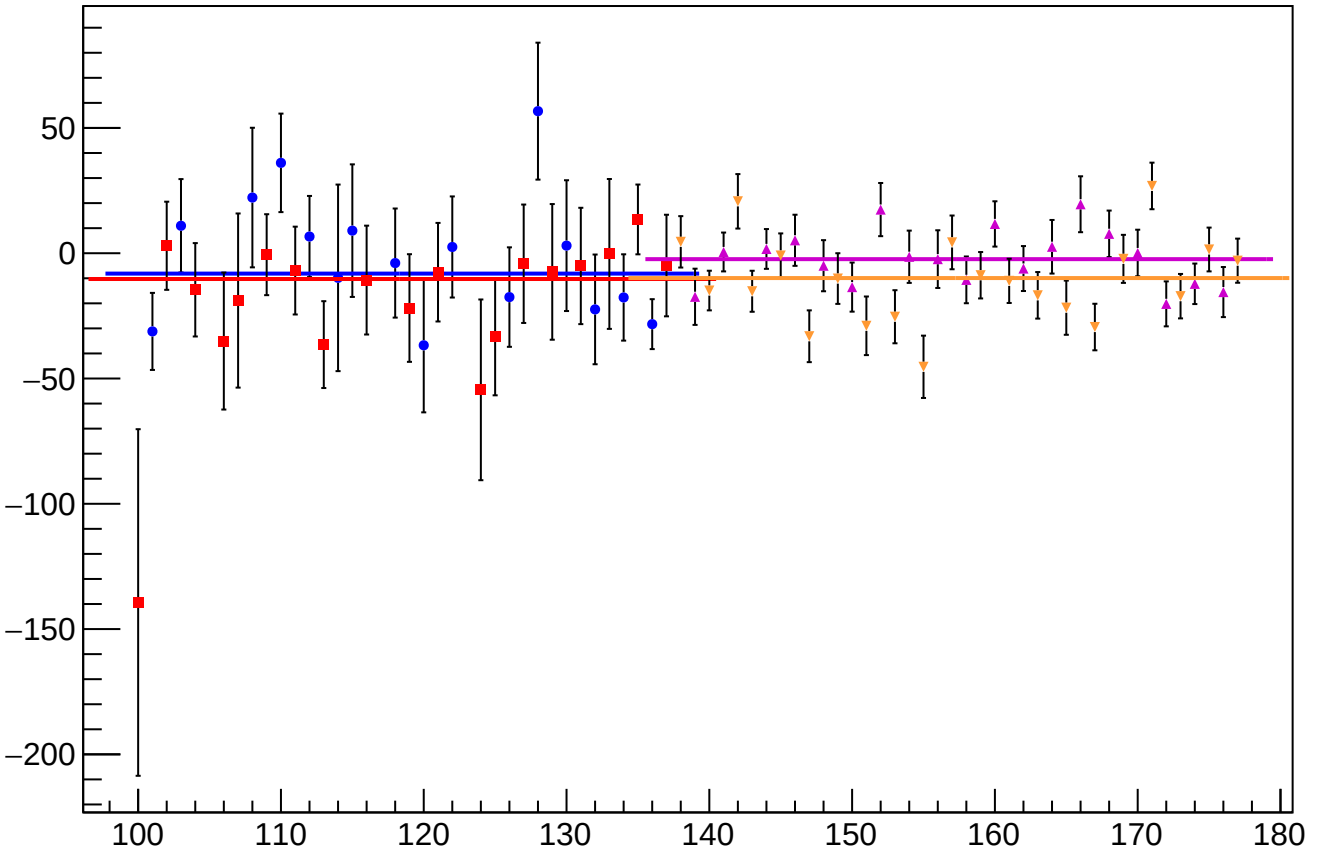
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 416.824+/-0.075 χ^2/NDF:430025.2/18

+ sign 447.045+/-0.068 χ^2/NDF: 4132296.4/36

All: 447.123+/-0.049 χ^2/NDF: 8508965.3/74

- sign 447.205+/-0.070 χ^2/NDF: 4376666.3/37



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.913+/-2.087 χ^2/NDF:57.0/20

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

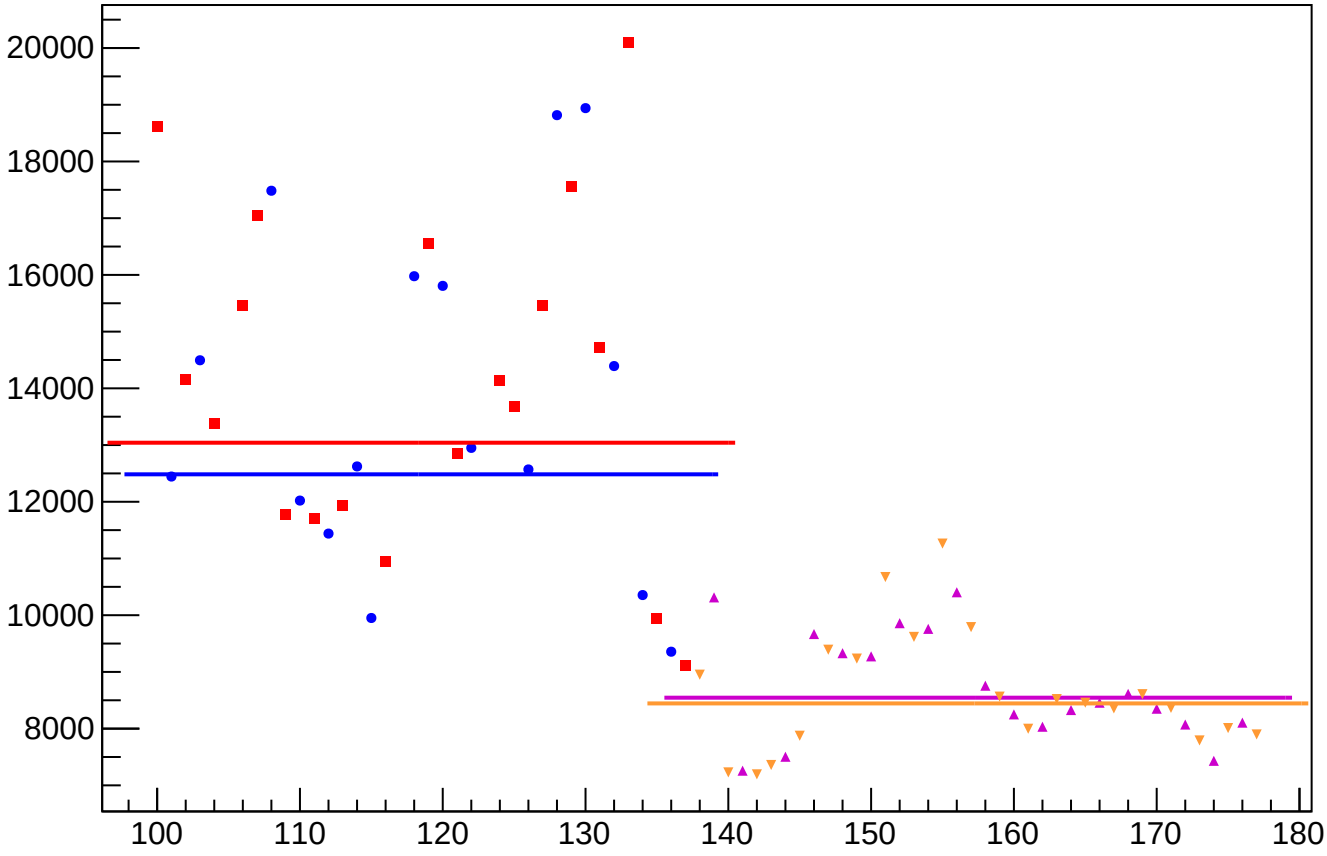
Left In: -2.363+/-2.185 χ^2/NDF:23.5/18

+ sign -9.628+/-1.912 χ^2/NDF: 80.2/36

All: -6.781+/-1.380 χ^2/NDF: 124.2/74

- sign -3.689+/-1.993 χ^2/NDF: 39.3/37

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8444.619+/-1.476 χ^2/NDF:412474.1/20

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

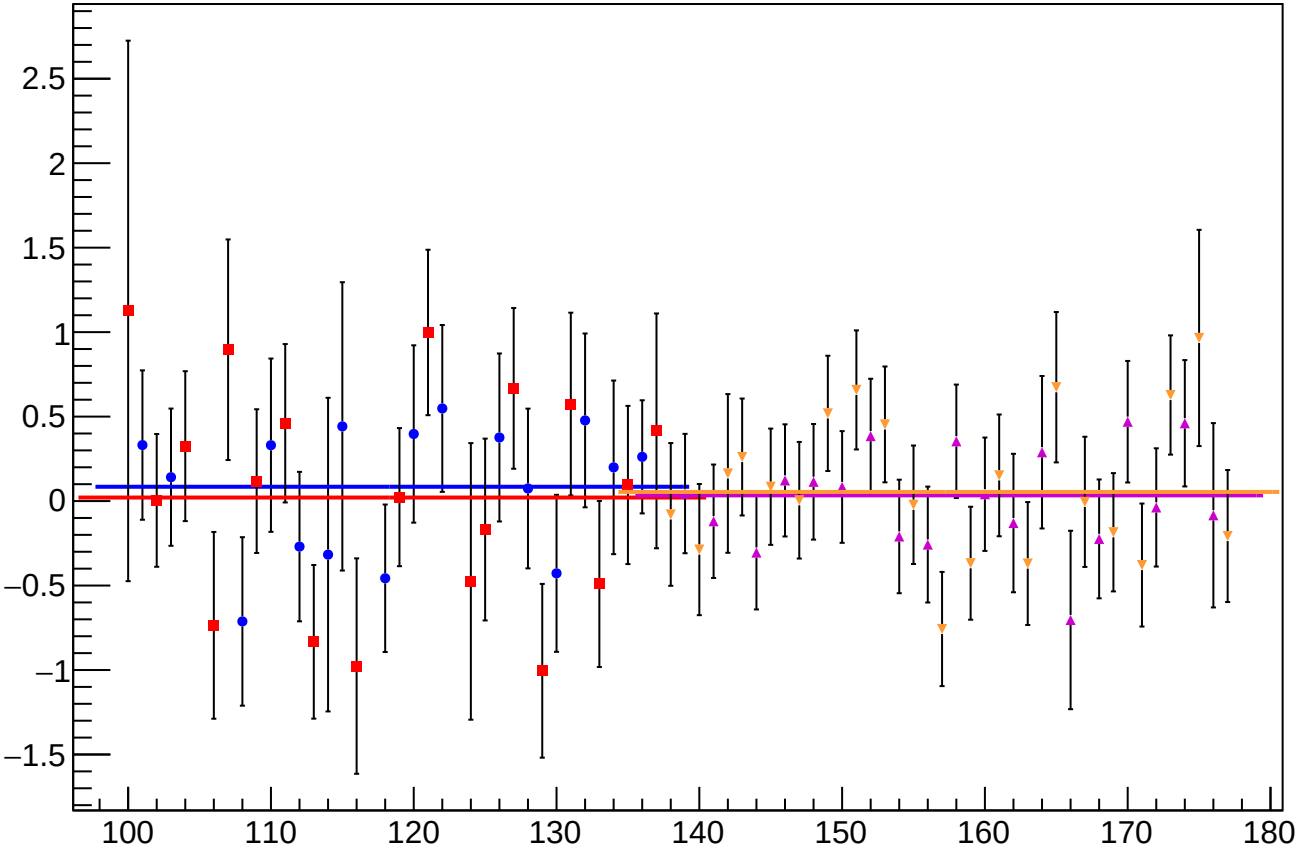
Left In: 8545.584+/-1.545 χ^2/NDF:355102.8/18

+ sign 9091.445+/-1.352 χ^2/NDF: 2284006.0/36

All: 9190.326+/-0.976 χ^2/NDF: 4611966.9/74

- sign 9297.759+/-1.410 χ^2/NDF: 2316805.1/37

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:25.3/20

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

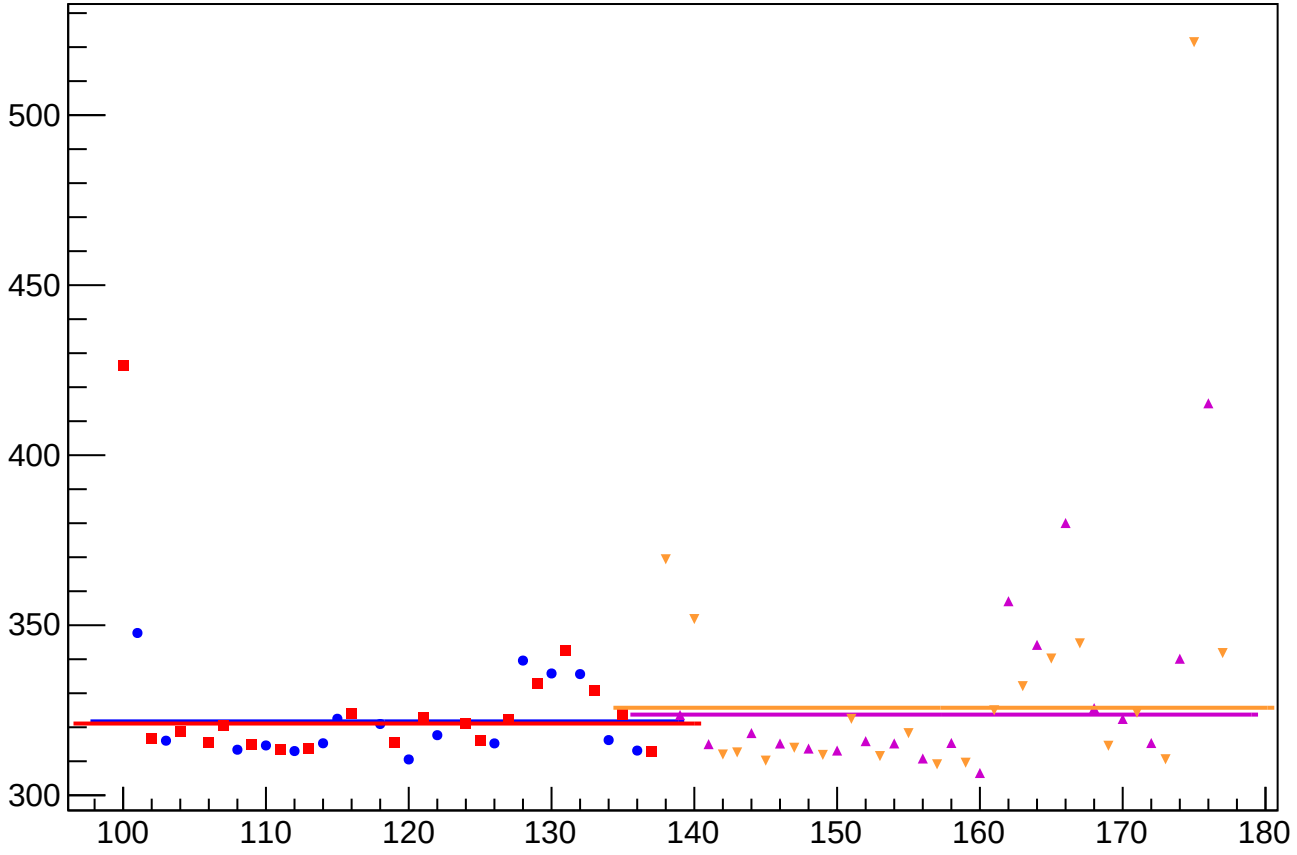
Left In: 0.034+/-0.083 χ^2/NDF:10.4/18

+ sign 0.064+/-0.067 χ^2/NDF: 34.7/36

All: 0.047+/-0.048 χ^2/NDF: 69.5/74

- sign 0.029+/-0.068 χ^2/NDF: 34.7/37

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 325.734+/-0.057 χ^2/NDF:262465.1/20

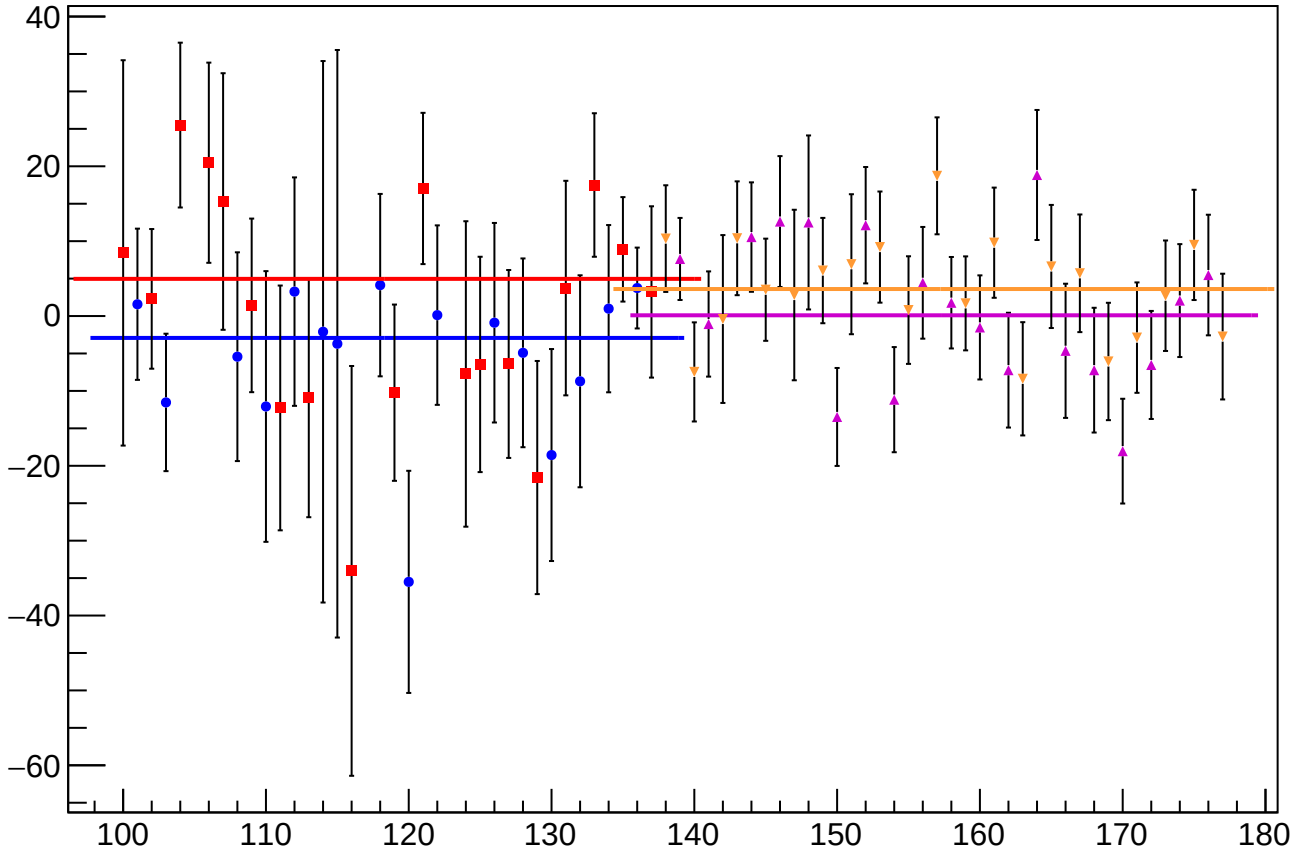
Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 323.720+/-0.059 χ^2/NDF:120086.5/18

+ sign 324.484+/-0.047 χ^2/NDF: 282210.0/36

All: 323.673+/-0.034 χ^2/NDF: 420133.1/74

- sign 322.845+/-0.048 χ^2/NDF: 137332.9/37



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.608+/-1.665 χ^2/NDF:16.4/20

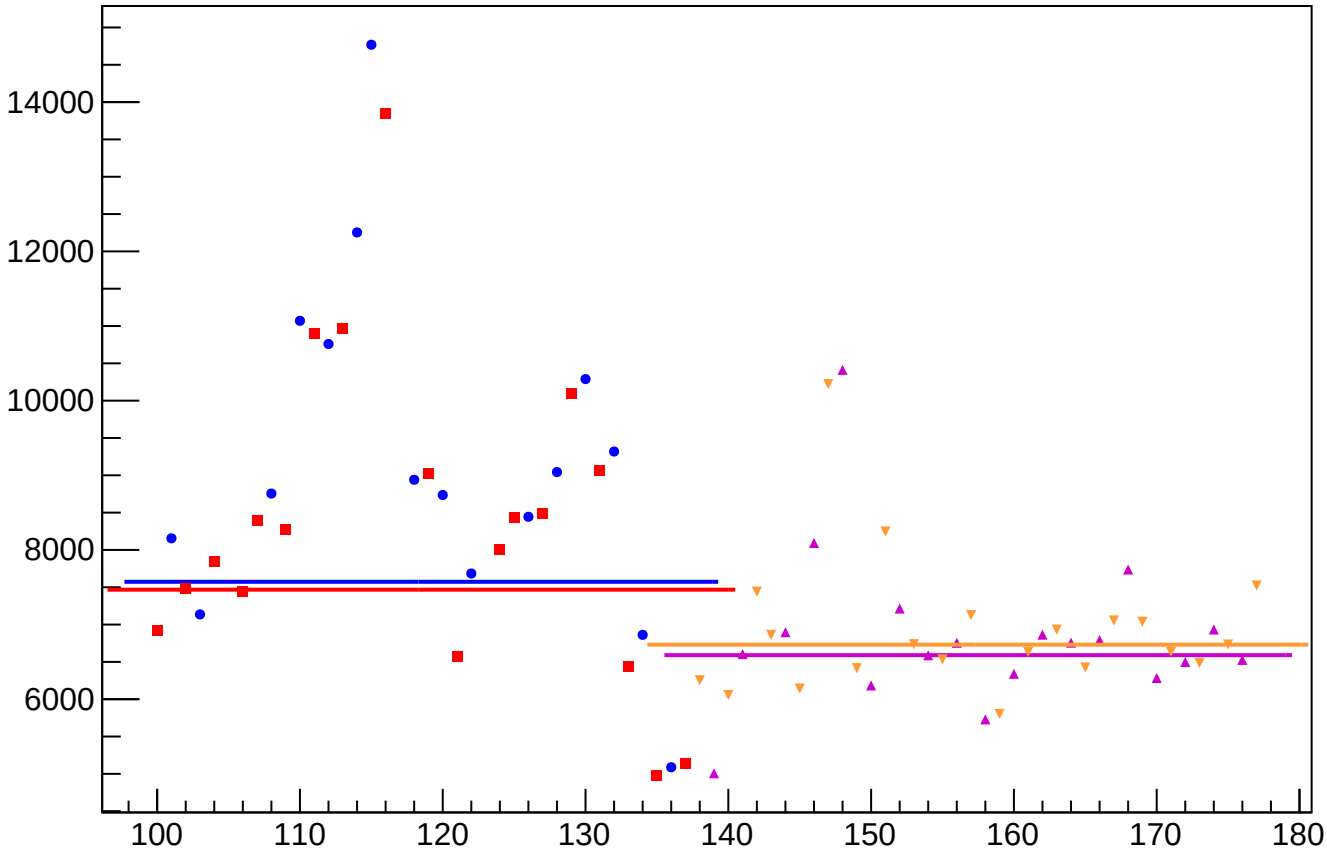
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 0.099+/-1.695 χ^2/NDF:31.6/18

+ sign 1.998+/-1.445 χ^2/NDF: 30.0/36

All: 1.694+/-1.025 χ^2/NDF: 83.3/74

- sign 1.388+/-1.453 χ^2/NDF: 53.2/37



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6730.699+/-1.178 χ^2/NDF:379733.1/20

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

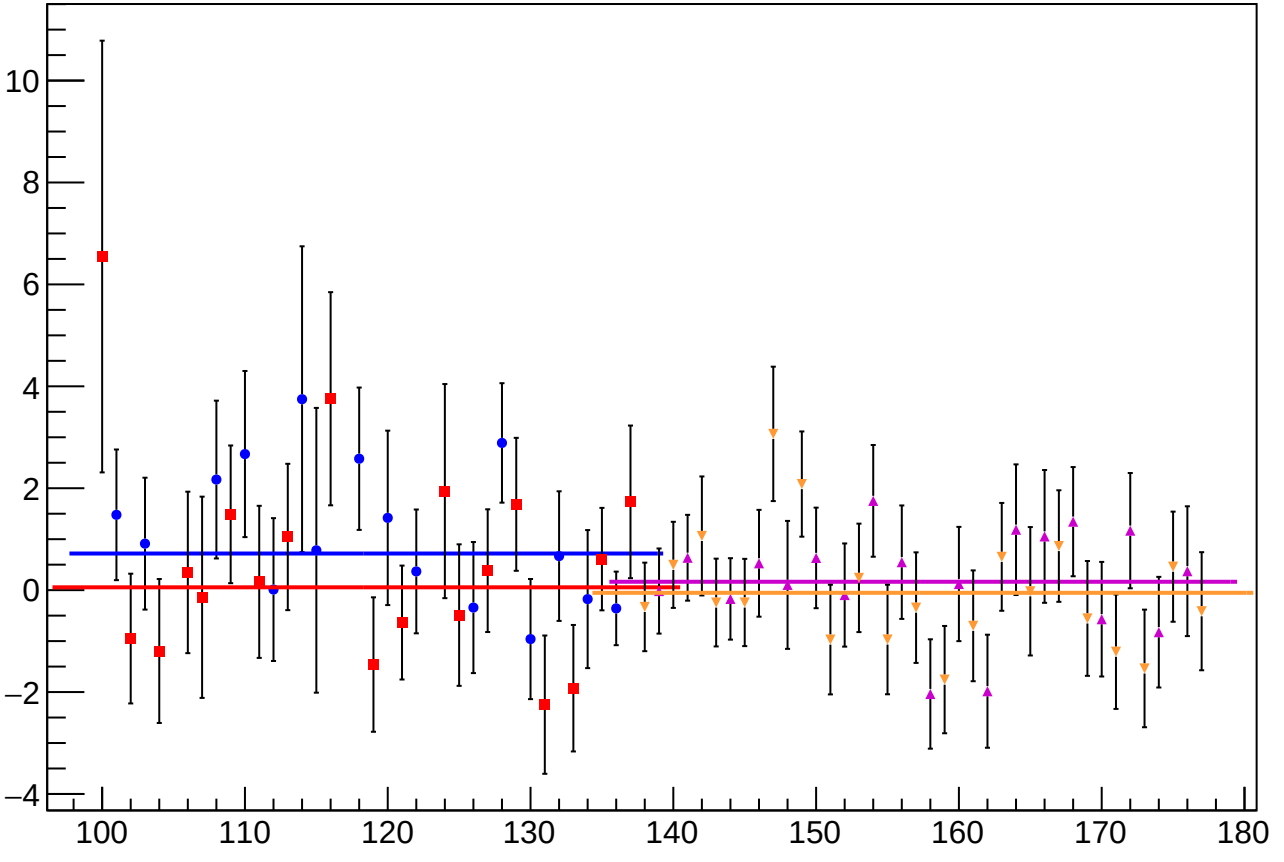
Left In: 6590.351+/-1.198 χ^2/NDF:560520.6/18

+ sign 6938.494+/-1.022 χ^2/NDF: 1403576.1/36

All: 6880.836+/-0.725 χ^2/NDF: 2940712.4/74

- sign 6822.567+/-1.027 χ^2/NDF: 1530737.4/37

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.052+/-0.228 χ^2/NDF:20.4/20

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

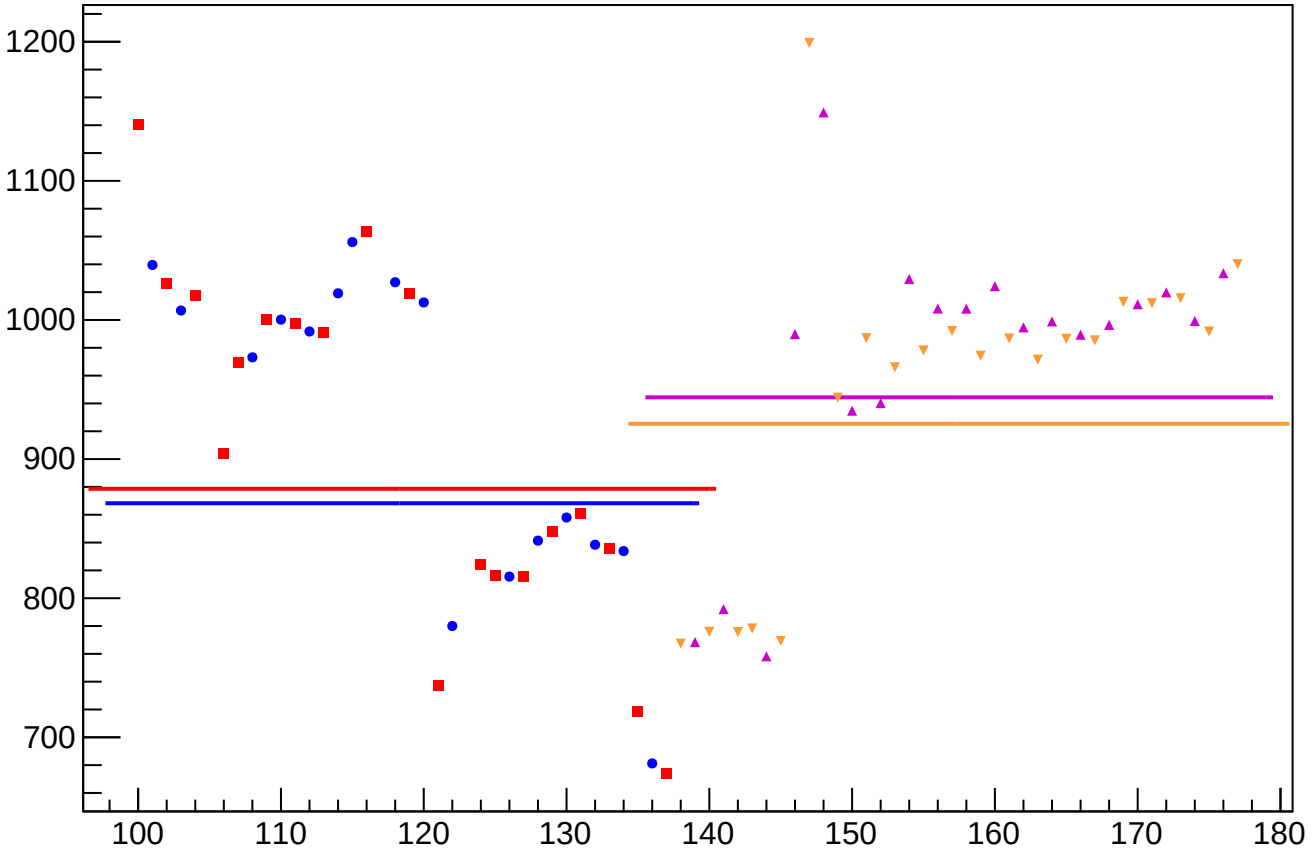
Left In: 0.164+/-0.241 χ^2/NDF:15.5/18

+ sign 0.201+/-0.187 χ^2/NDF: 38.9/36

All: 0.165+/-0.134 χ^2/NDF: 74.4/74

- sign 0.125+/-0.193 χ^2/NDF: 35.4/37

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 925.355+/-0.161 χ^2/NDF:483859.1/20

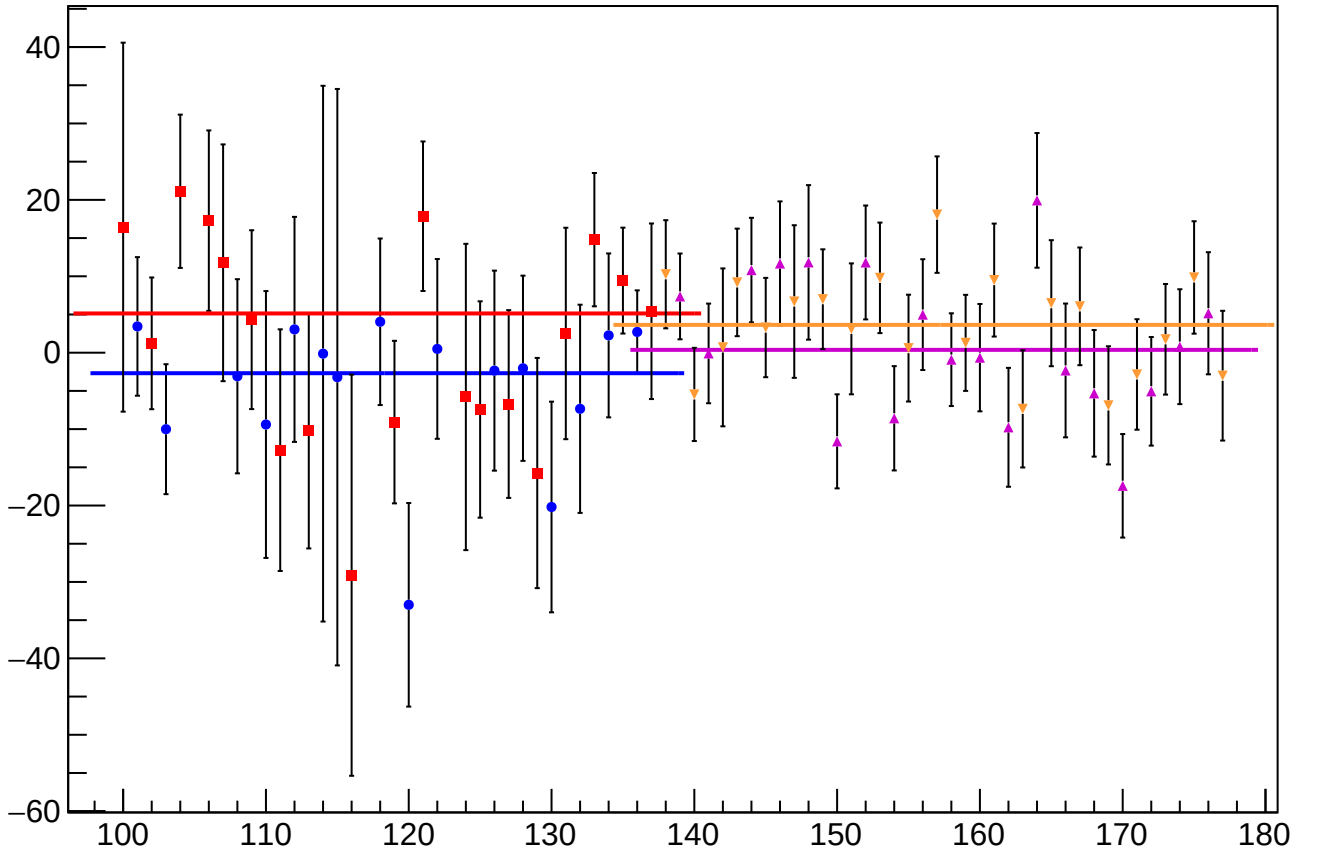
Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 944.377+/-0.171 χ^2/NDF:401492.0/18

+ sign 906.558+/-0.132 χ^2/NDF: 827451.1/36

All: 913.476+/-0.095 χ^2/NDF: 1560207.7/74

- sign 920.875+/-0.137 χ^2/NDF: 727091.1/37



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.641+/-1.615 χ^2/NDF:15.8/20

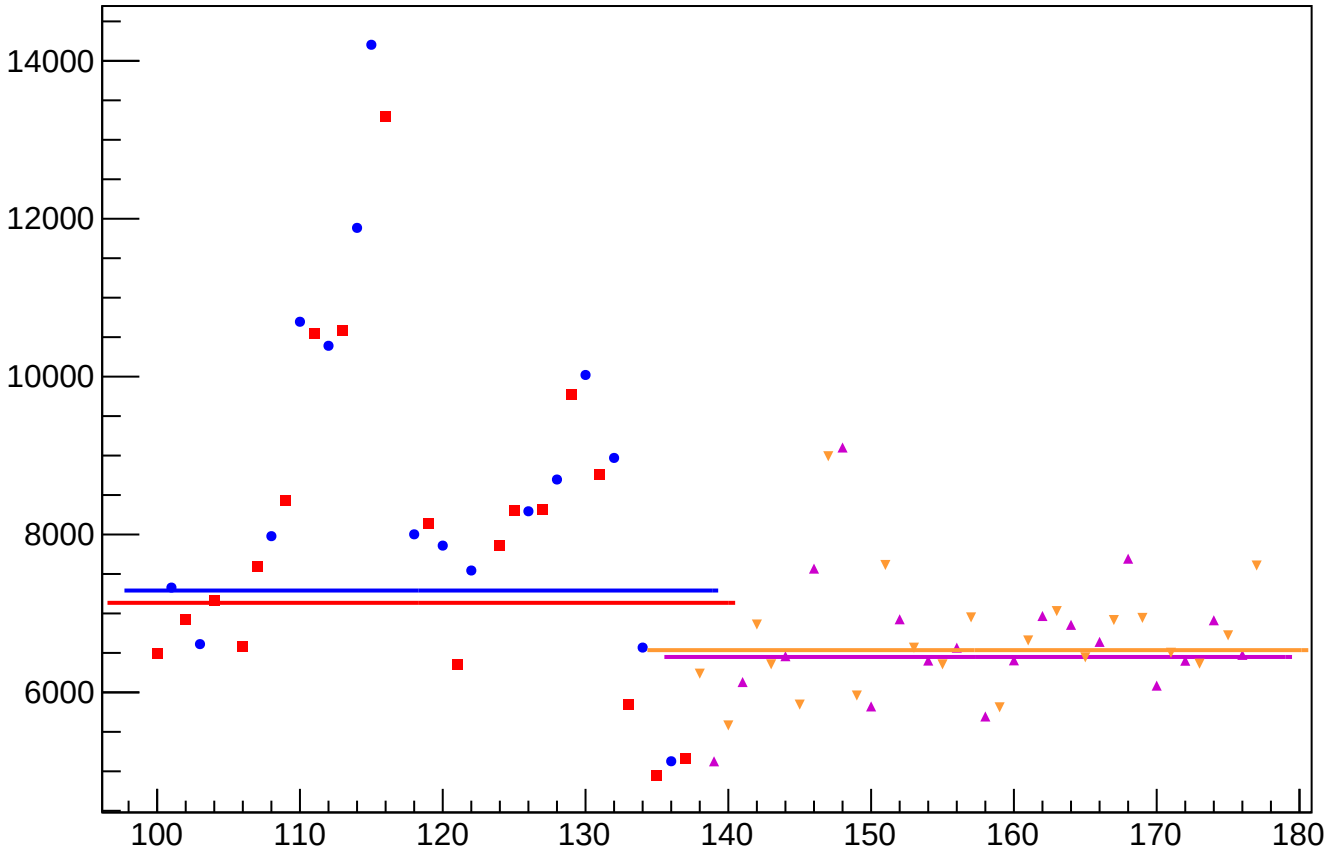
Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: 0.372+/-1.653 χ^2/NDF:30.5/18

+ sign 2.052+/-1.397 χ^2/NDF: 29.7/36

All: 1.866+/-0.992 χ^2/NDF: 79.7/74

- sign 1.677+/-1.409 χ^2/NDF: 50.0/37



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6535.101+/-1.142 χ^2/NDF:334265.5/20

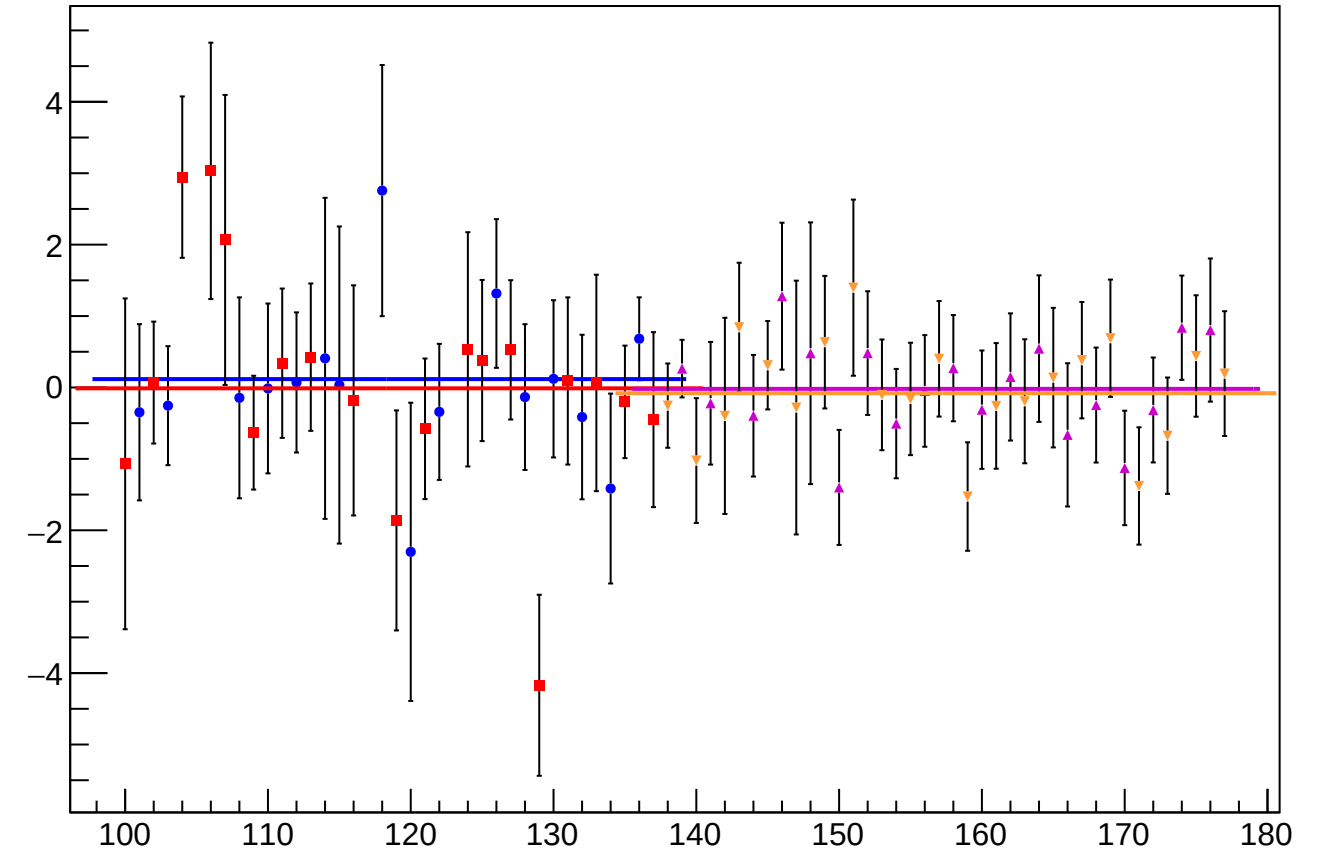
Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6448.610+/-1.169 χ^2/NDF:424595.7/18

+ sign 6724.775+/-0.988 χ^2/NDF: 1214640.5/36

All: 6680.973+/-0.702 χ^2/NDF: 2530241.0/74

- sign 6636.450+/-0.996 χ^2/NDF: 1311637.8/37



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.081+/-0.184 χ^2/NDF:13.6/20

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

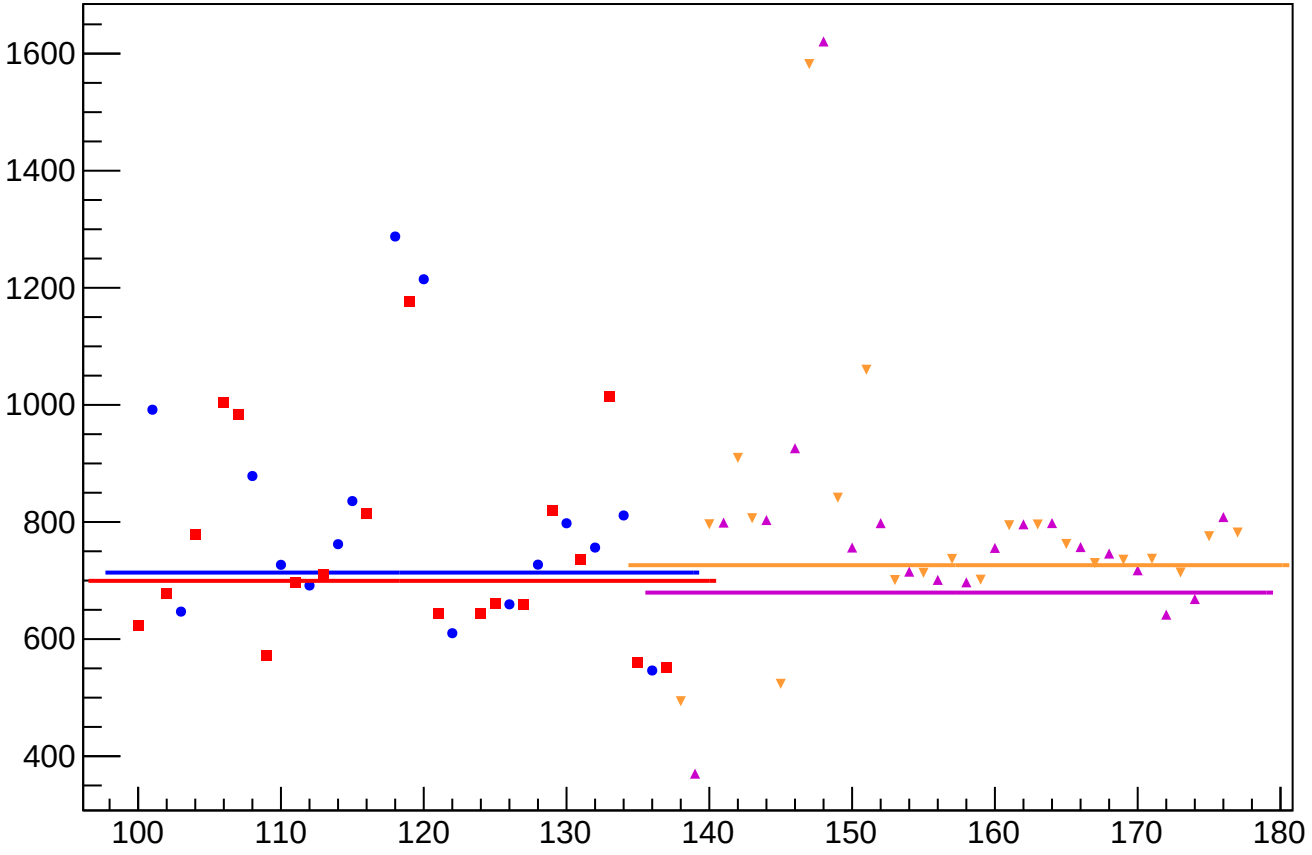
Left In: -0.020+/-0.181 χ^2/NDF:11.3/18

+ sign -0.019+/-0.153 χ^2/NDF: 22.1/36

All: -0.018+/-0.107 χ^2/NDF: 58.6/74

- sign -0.017+/-0.149 χ^2/NDF: 36.5/37

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 726.262+/-0.130 χ^2/NDF:1279075.5/20

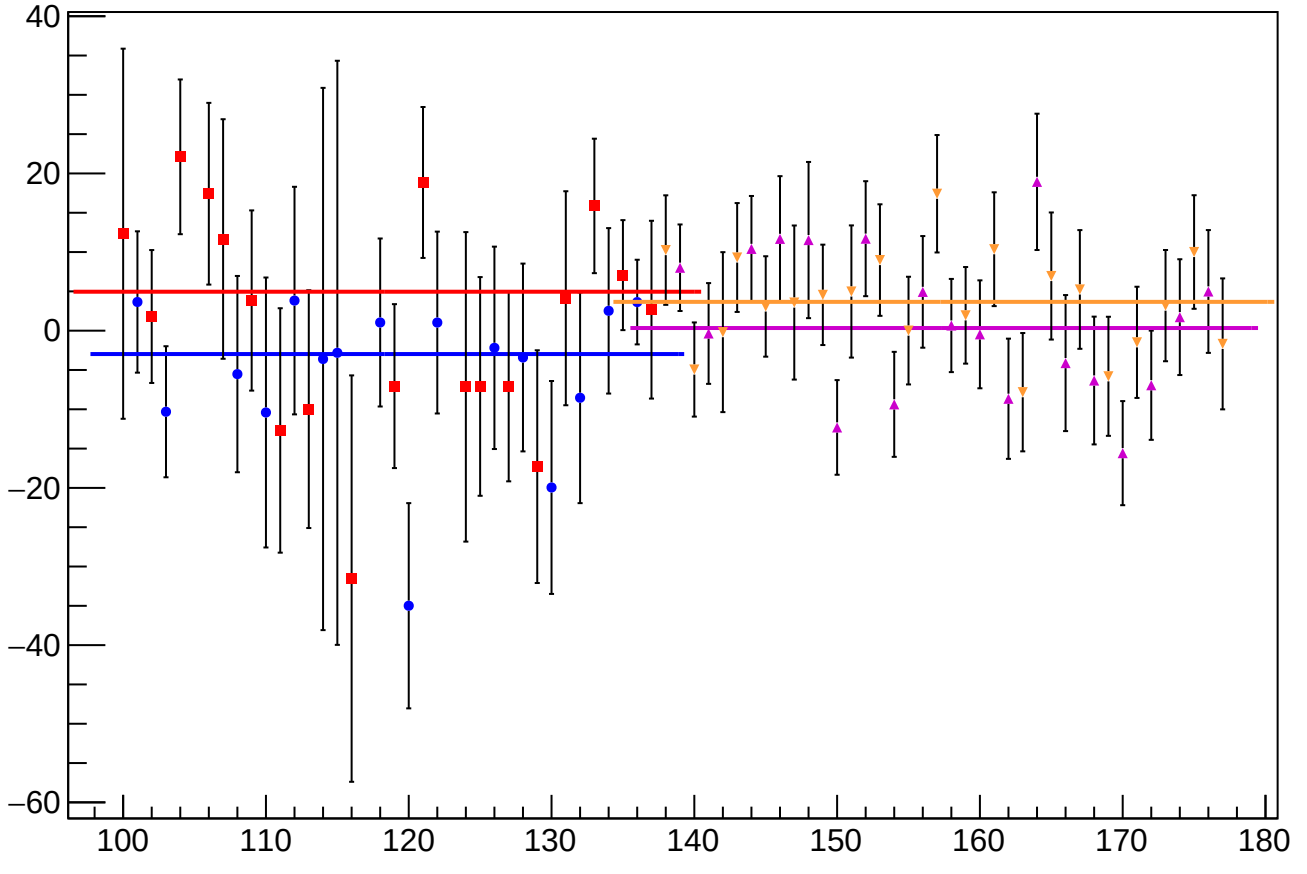
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 679.424+/-0.128 χ^2/NDF:2109947.5/18

+ sign 722.321+/-0.108 χ^2/NDF: 1981323.5/36

All: 703.650+/-0.075 χ^2/NDF: 4733446.6/74

- sign 685.854+/-0.105 χ^2/NDF: 2693619.1/37



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.666+/-1.584 χ^2/NDF:14.8/20

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

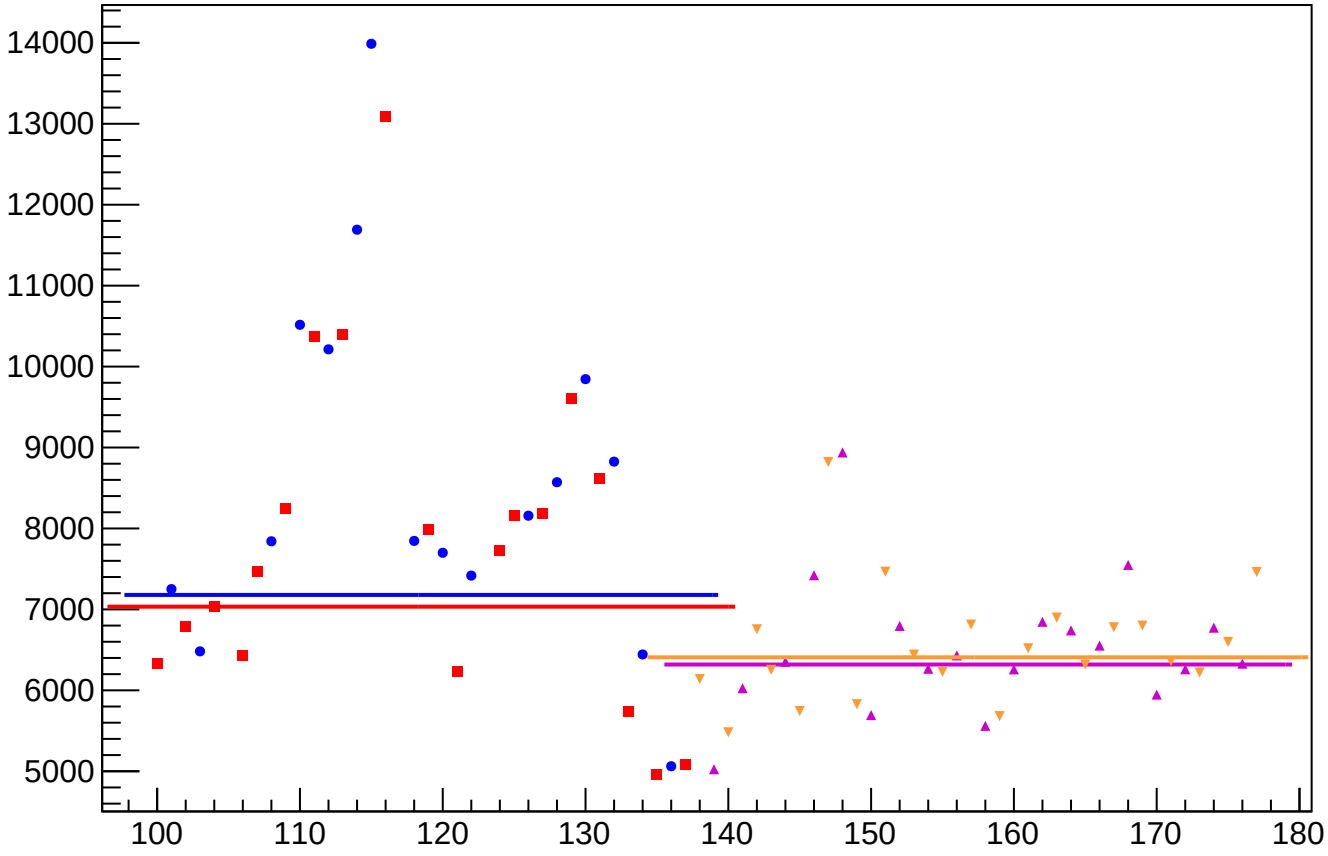
Left In: 0.337+/-1.621 χ^2/NDF:31.0/18

+ sign 2.009+/-1.372 χ^2/NDF: 30.8/36

All: 1.802+/-0.974 χ^2/NDF: 82.5/74

- sign 1.592+/-1.383 χ^2/NDF: 51.7/37

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6407.957+/-1.120 χ^2/NDF:334664.8/20

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

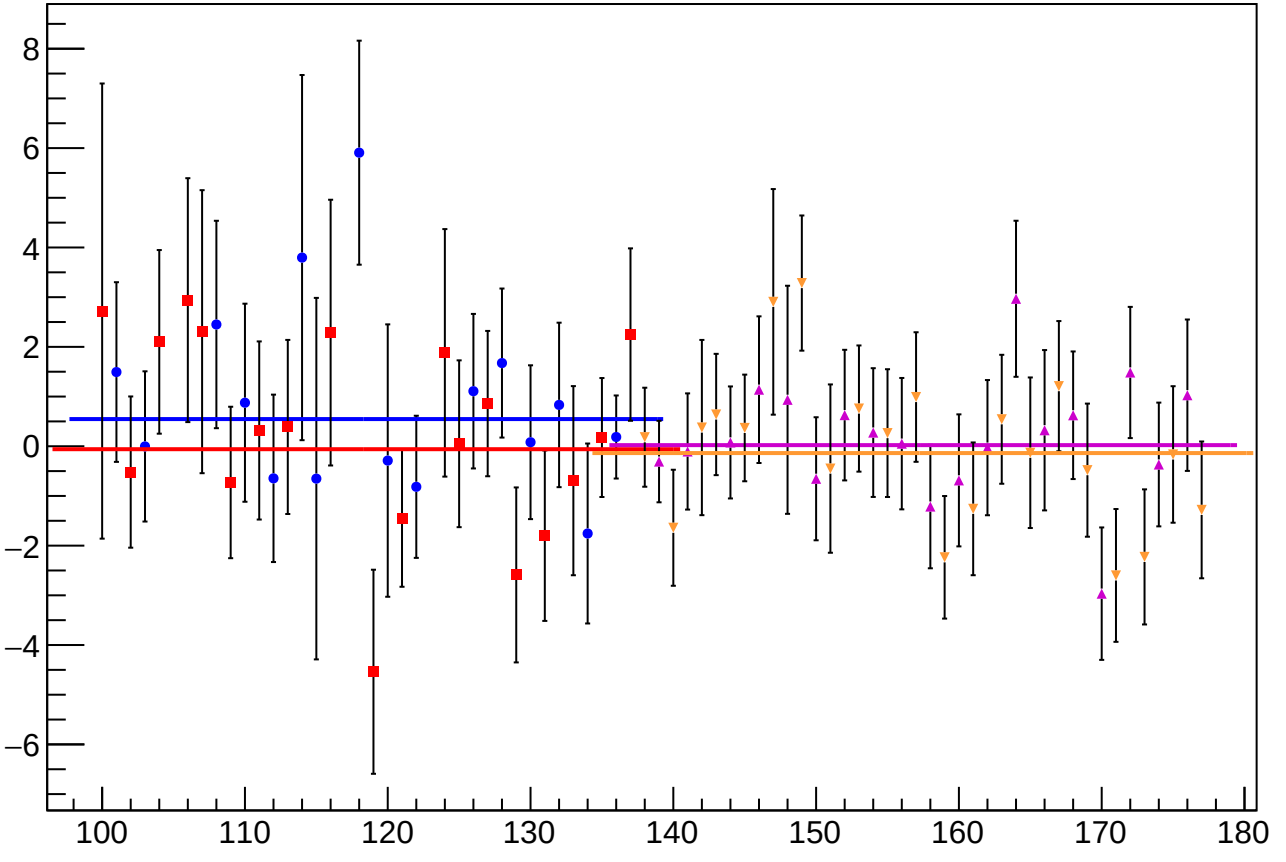
Left In: 6318.958+/-1.146 χ^2/NDF:431338.3/18

+ sign 6600.370+/-0.970 χ^2/NDF: 1214903.6/36

All: 6557.096+/-0.689 χ^2/NDF: 2522300.5/74

- sign 6513.117+/-0.978 χ^2/NDF: 1303384.4/37

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.137+/-0.288 χ^2/NDF:23.4/20

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

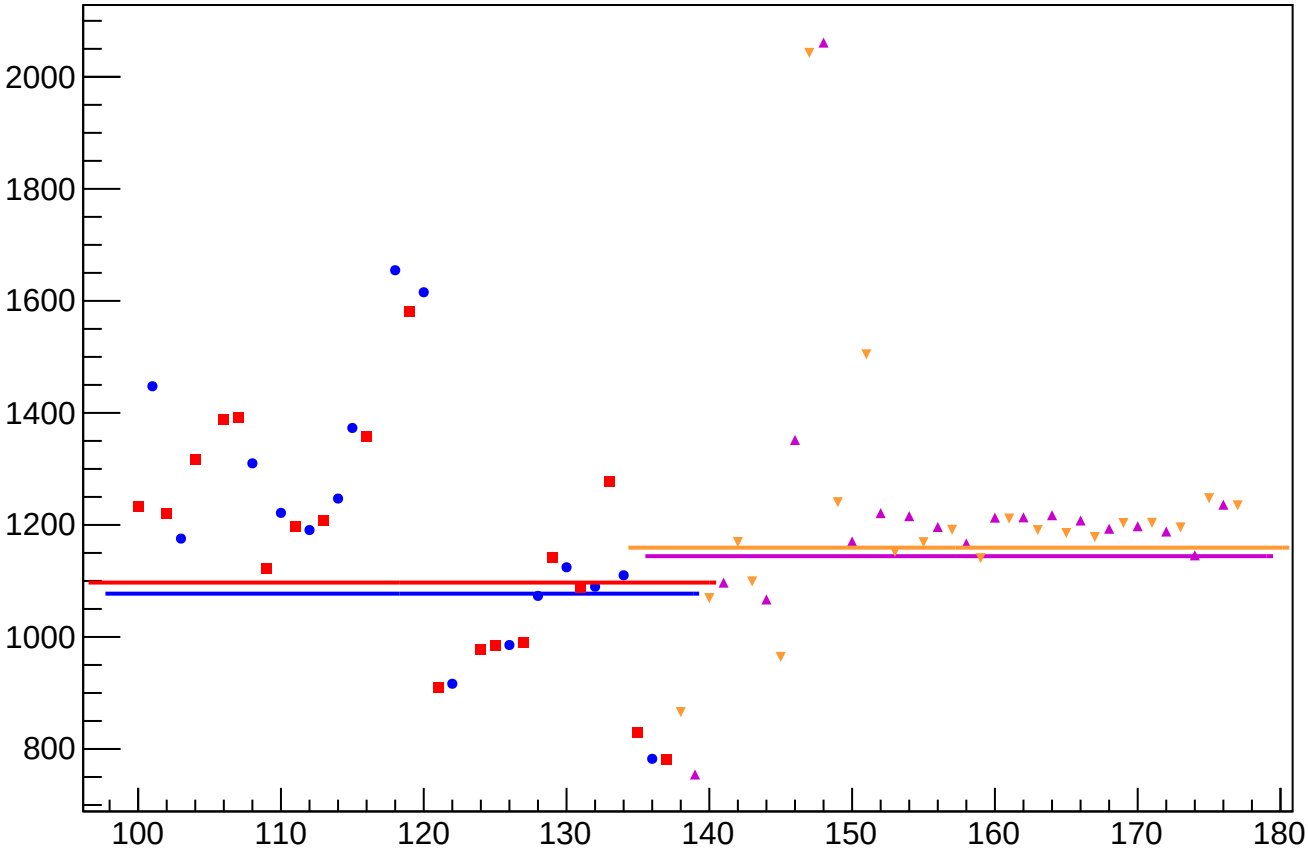
Left In: 0.023+/-0.296 χ^2/NDF:13.3/18

+ sign 0.088+/-0.236 χ^2/NDF: 37.2/36

All: 0.042+/-0.168 χ^2/NDF: 67.5/74

- sign -0.006+/-0.240 χ^2/NDF: 30.2/37

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1159.441+/-0.204 χ^2/NDF:676838.8/20

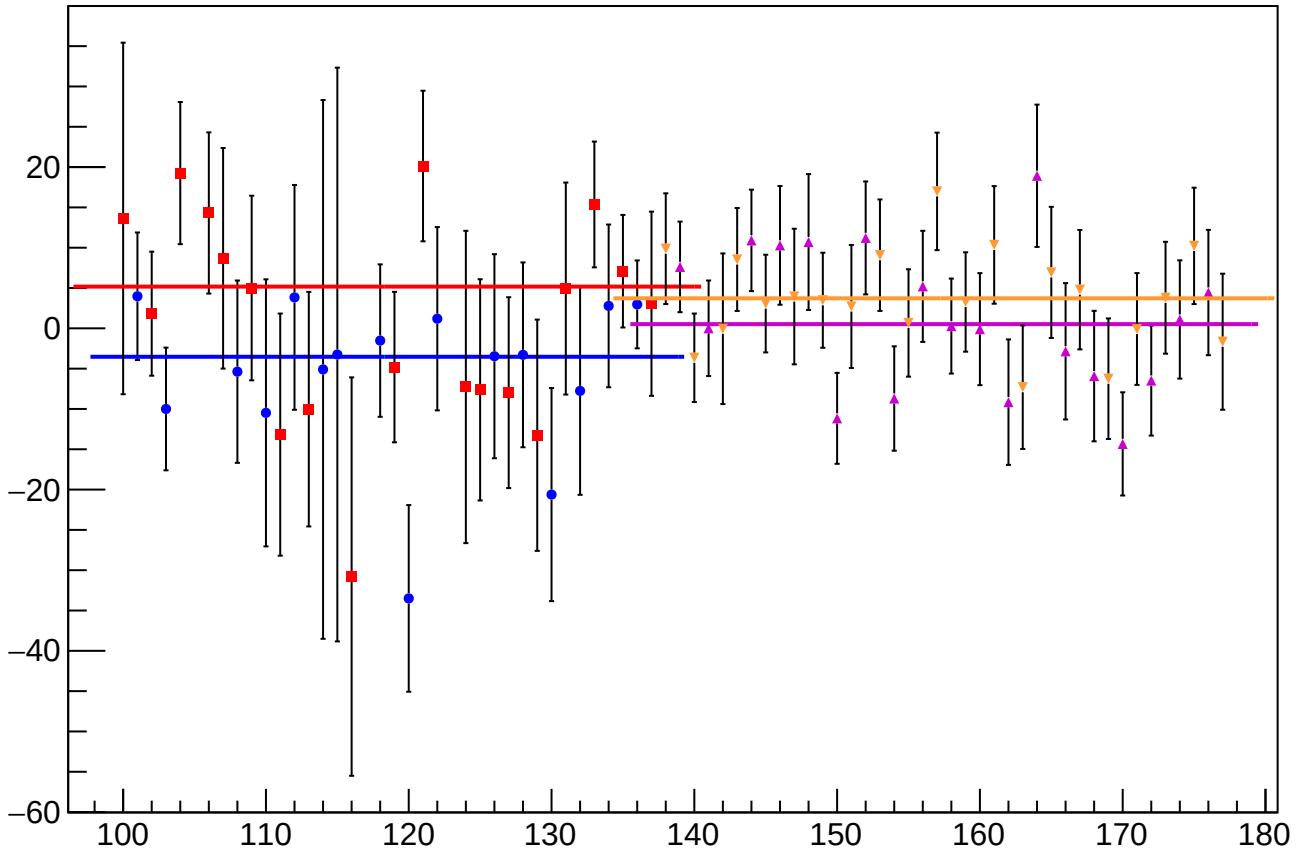
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1144.208+/-0.209 χ^2/NDF:874564.0/18

+ sign 1132.366+/-0.167 χ^2/NDF: 1376937.8/36

All: 1130.225+/-0.119 χ^2/NDF: 2753624.8/74

- sign 1128.014+/-0.170 χ^2/NDF: 1376352.2/37



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.724+/-1.528 χ^2/NDF:13.9/20

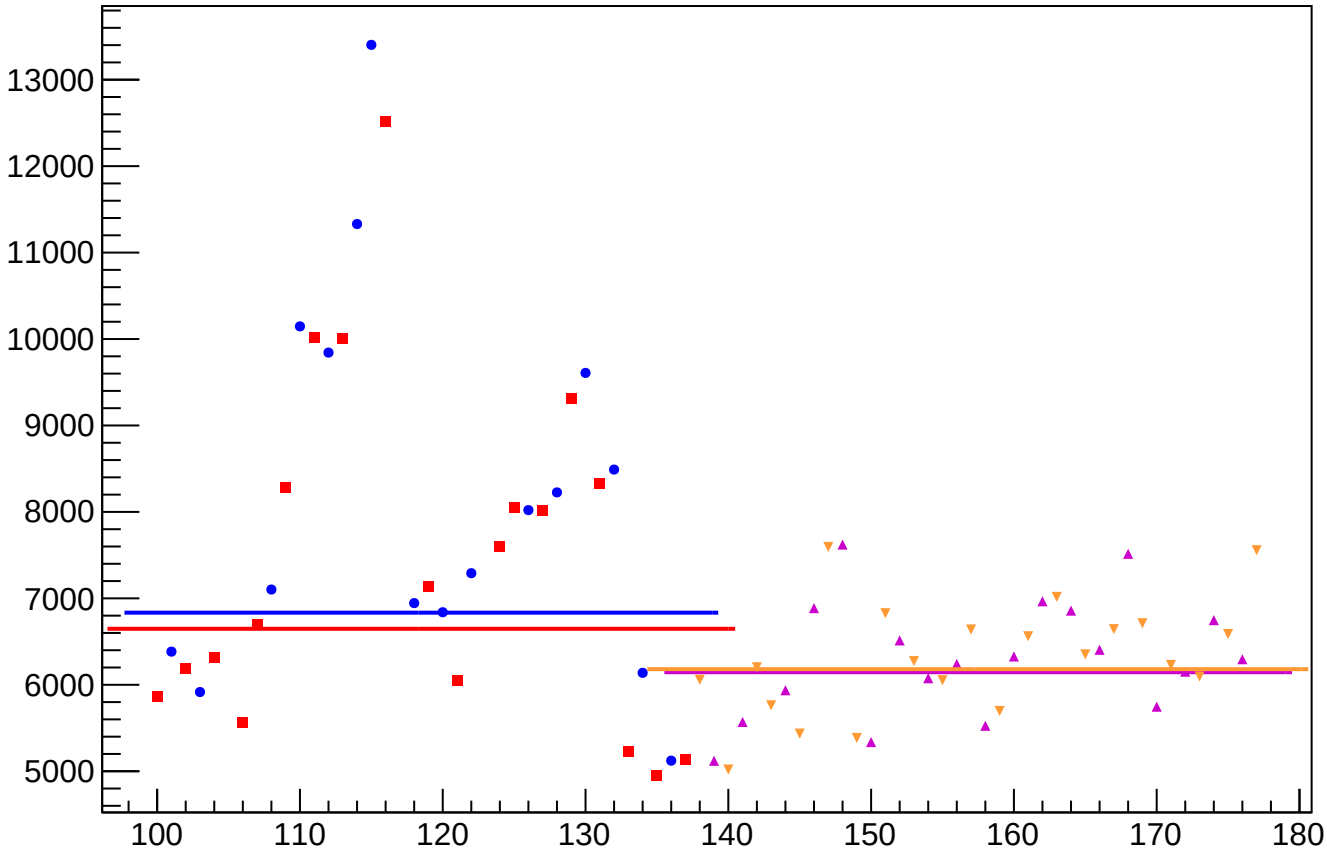
Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: 0.522+/-1.574 χ^2/NDF:30.1/18

+ sign 1.871+/-1.318 χ^2/NDF: 32.2/36

All: 1.854+/-0.937 χ^2/NDF: 83.0/74

- sign 1.836+/-1.333 χ^2/NDF: 50.7/37



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6180.810+/-1.080 χ^2/NDF:365809.6/20

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

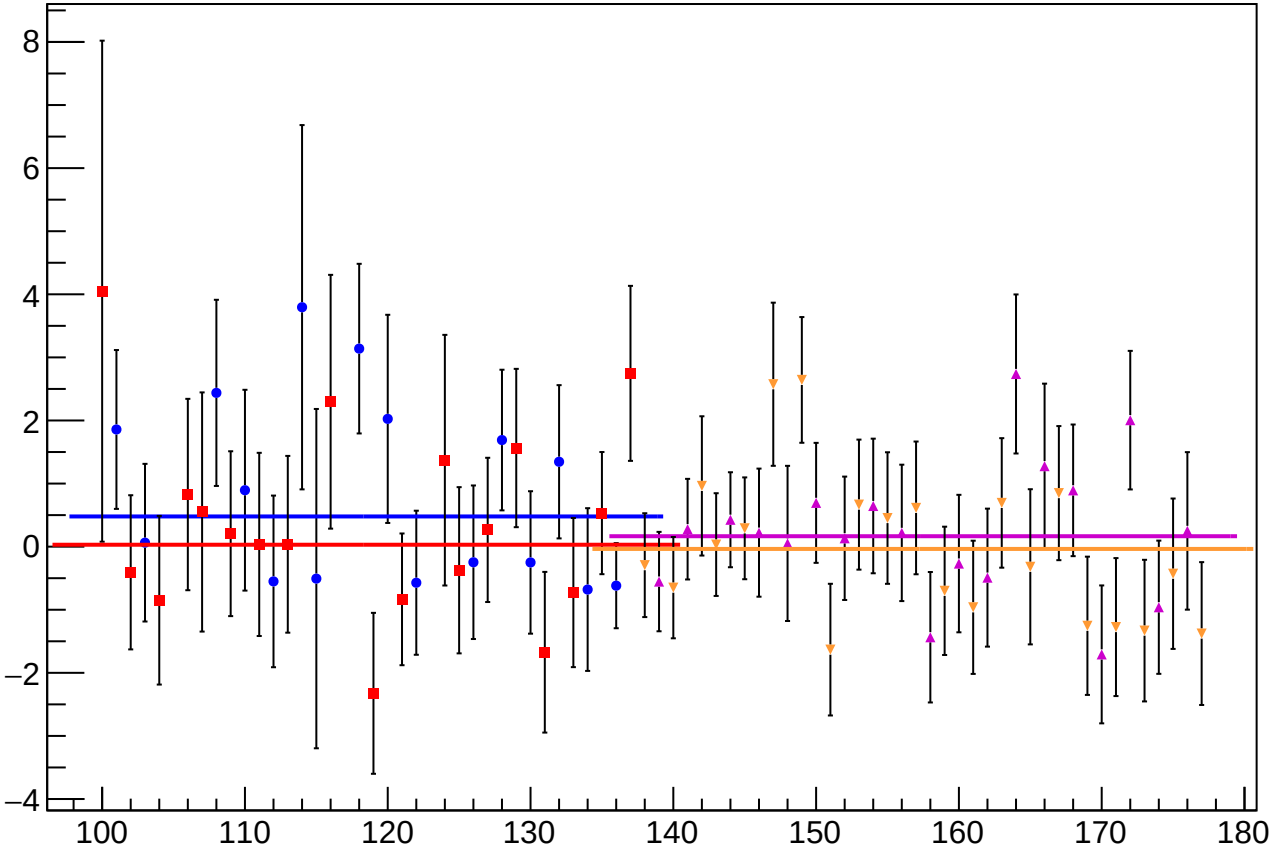
Left In: 6145.716+/-1.113 χ^2/NDF:356573.7/18

+ sign 6347.803+/-0.932 χ^2/NDF: 1152020.0/36

All: 6318.028+/-0.663 χ^2/NDF: 2353319.6/74

- sign 6287.593+/-0.943 χ^2/NDF: 1199236.8/37

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.036+/-0.221 χ^2/NDF:24.2/20

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

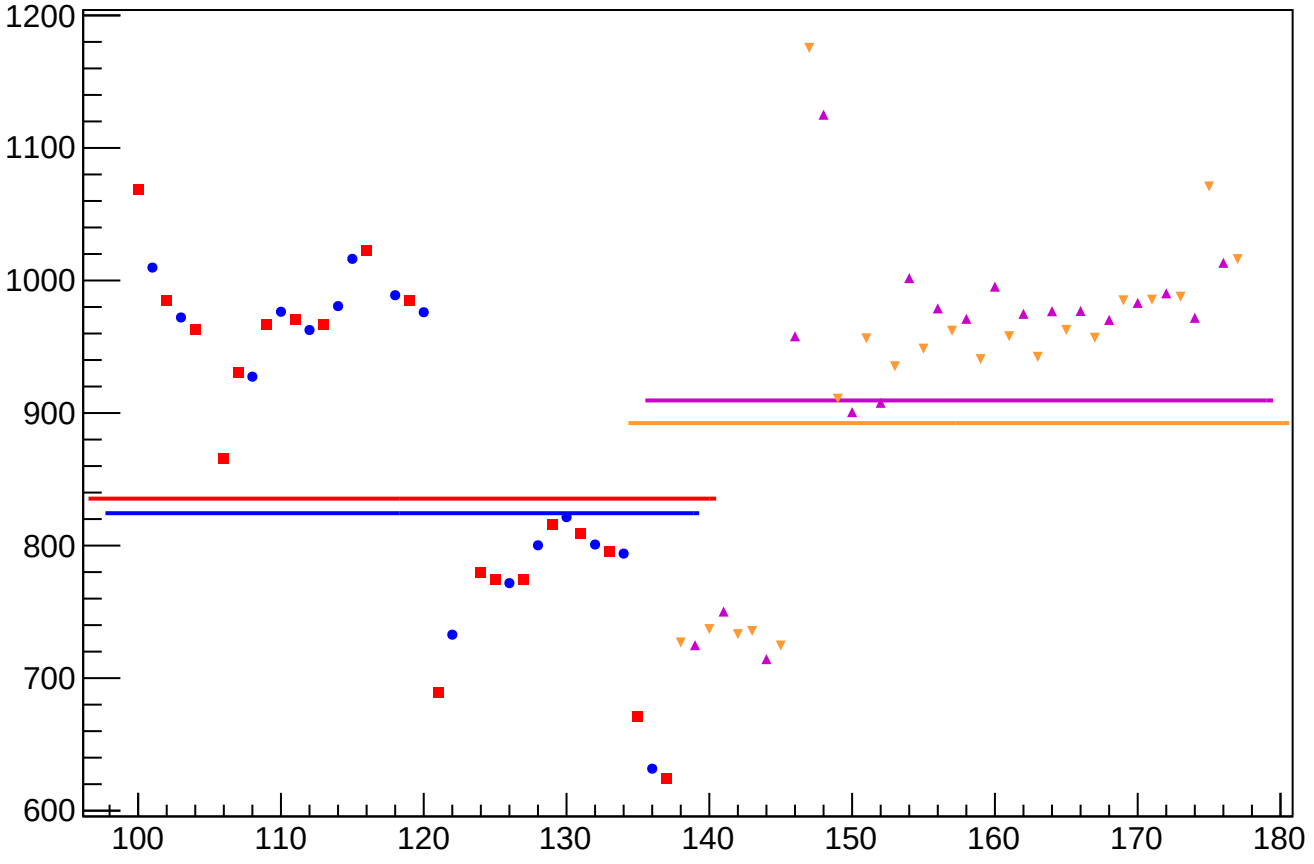
Left In: 0.165+/-0.233 χ^2/NDF:16.7/18

+ sign 0.137+/-0.180 χ^2/NDF: 42.7/36

All: 0.127+/-0.129 χ^2/NDF: 75.3/74

- sign 0.116+/-0.186 χ^2/NDF: 32.5/37

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 892.411+/-0.156 χ^2/NDF:623172.3/20

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

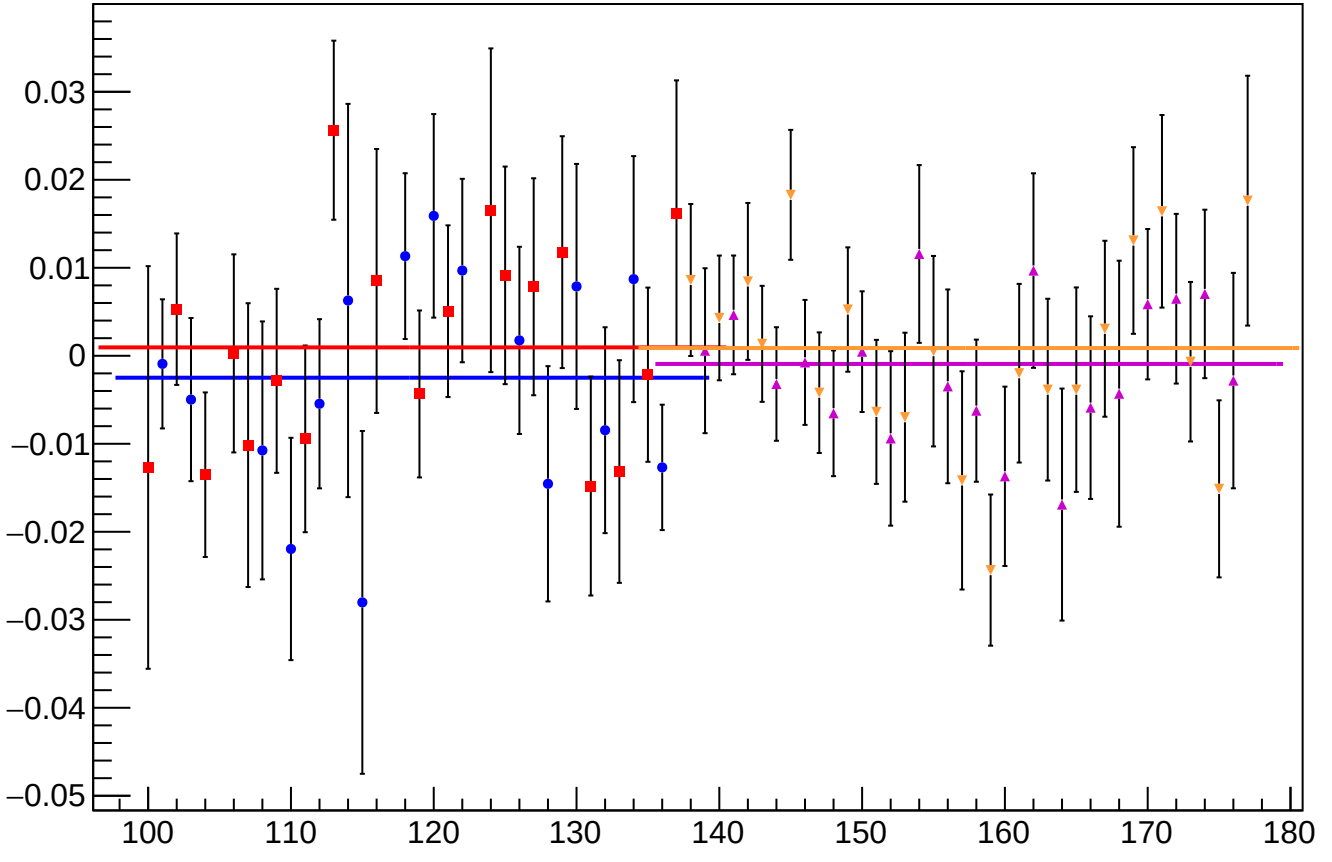
Left In: 909.501+/-0.165 χ^2/NDF:498613.6/18

+ sign 869.592+/-0.127 χ^2/NDF: 1052201.3/36

All: 875.888+/-0.091 χ^2/NDF: 1948556.3/74

- sign 882.601+/-0.131 χ^2/NDF: 891303.1/37

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:27.6/20

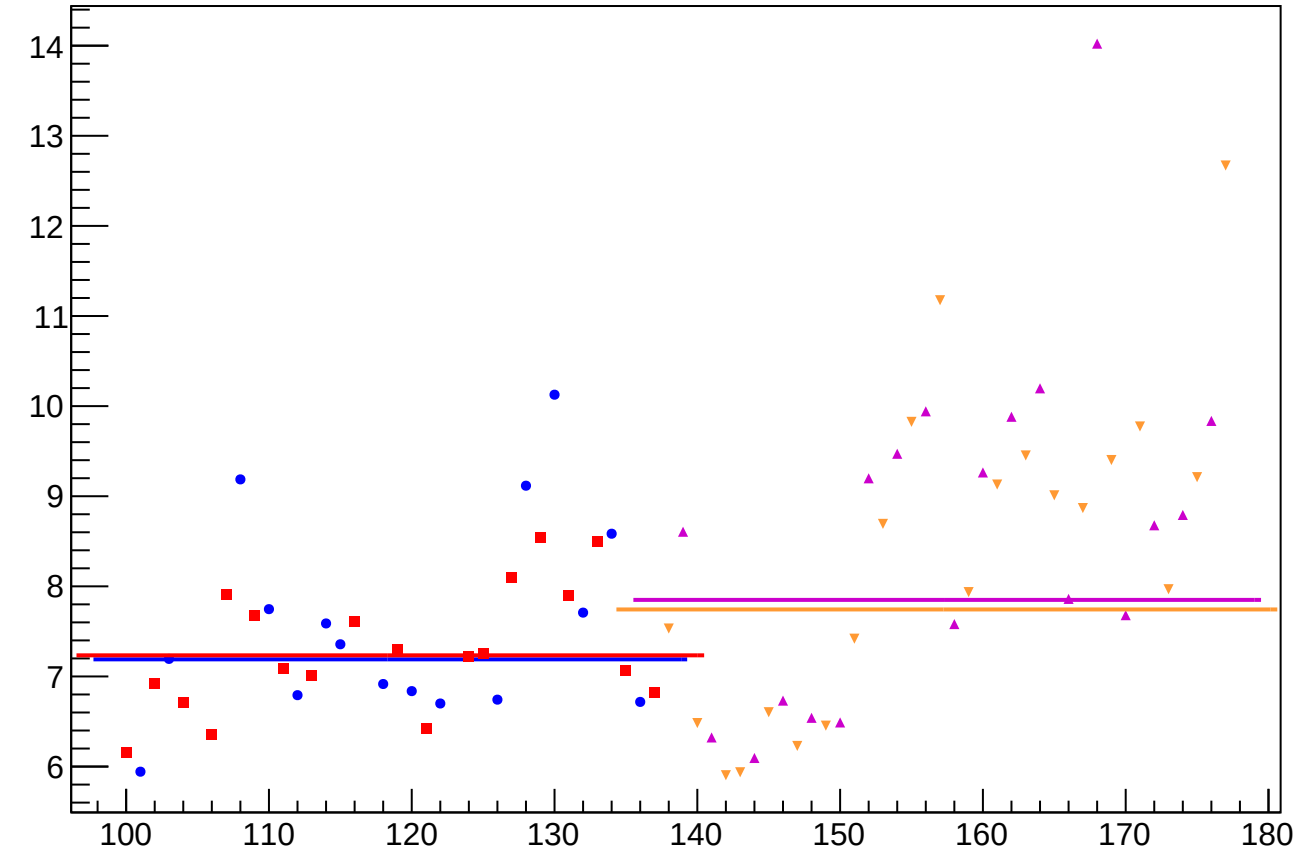
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.001+/-0.002 χ^2/NDF:10.4/18

+ sign -0.000+/-0.002 χ^2/NDF: 43.9/36

All: -0.000+/-0.001 χ^2/NDF: 71.9/74

- sign -0.000+/-0.002 χ^2/NDF: 28.0/37



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.743+/-0.001 χ^2/NDF:1306427.9/20

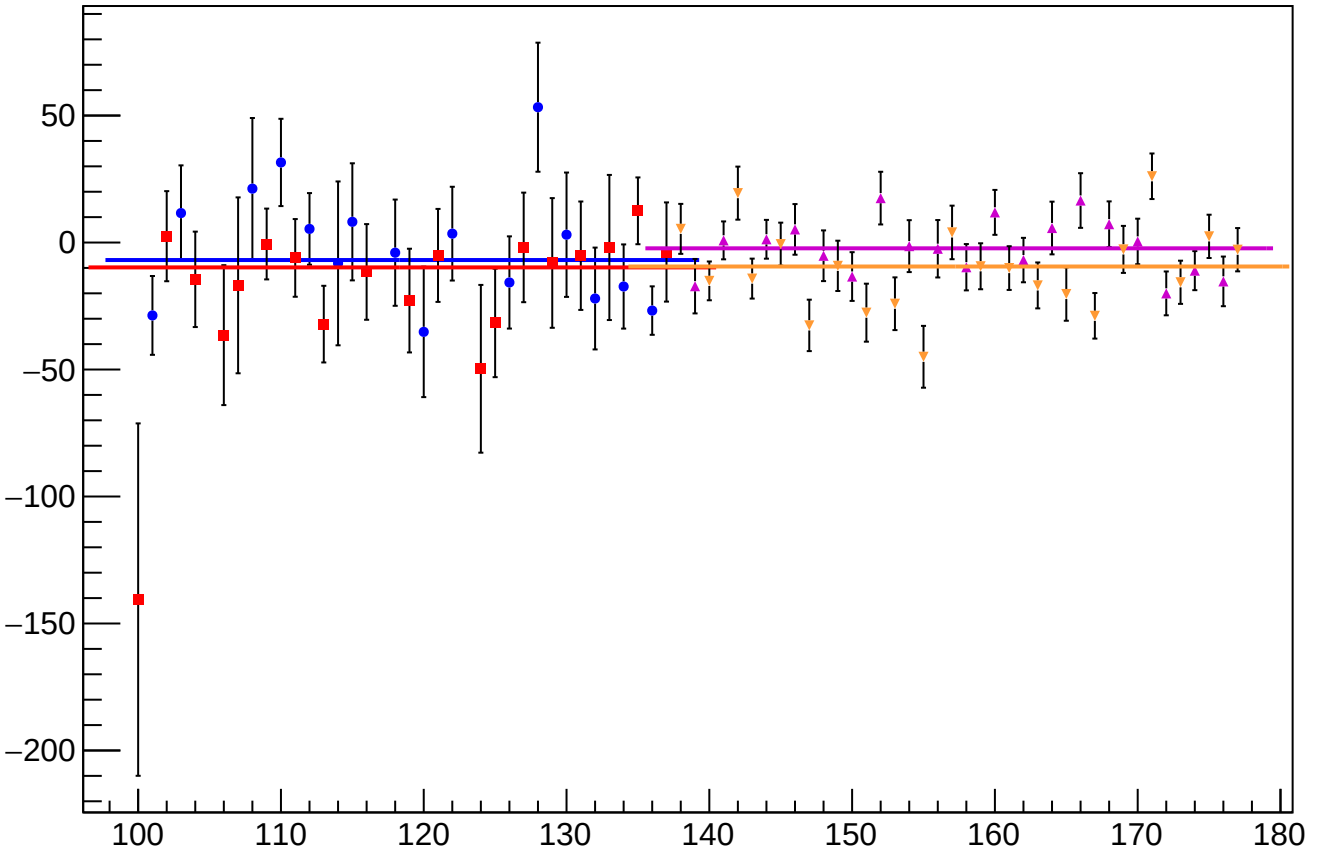
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.850+/-0.001 χ^2/NDF:1212326.2/18

+ sign 7.555+/-0.001 χ^2/NDF: 1639156.8/36

All: 7.588+/-0.001 χ^2/NDF: 3026968.3/74

- sign 7.622+/-0.001 χ^2/NDF: 1386046.9/37



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.439+/-2.023 χ^2/NDF:57.6/20

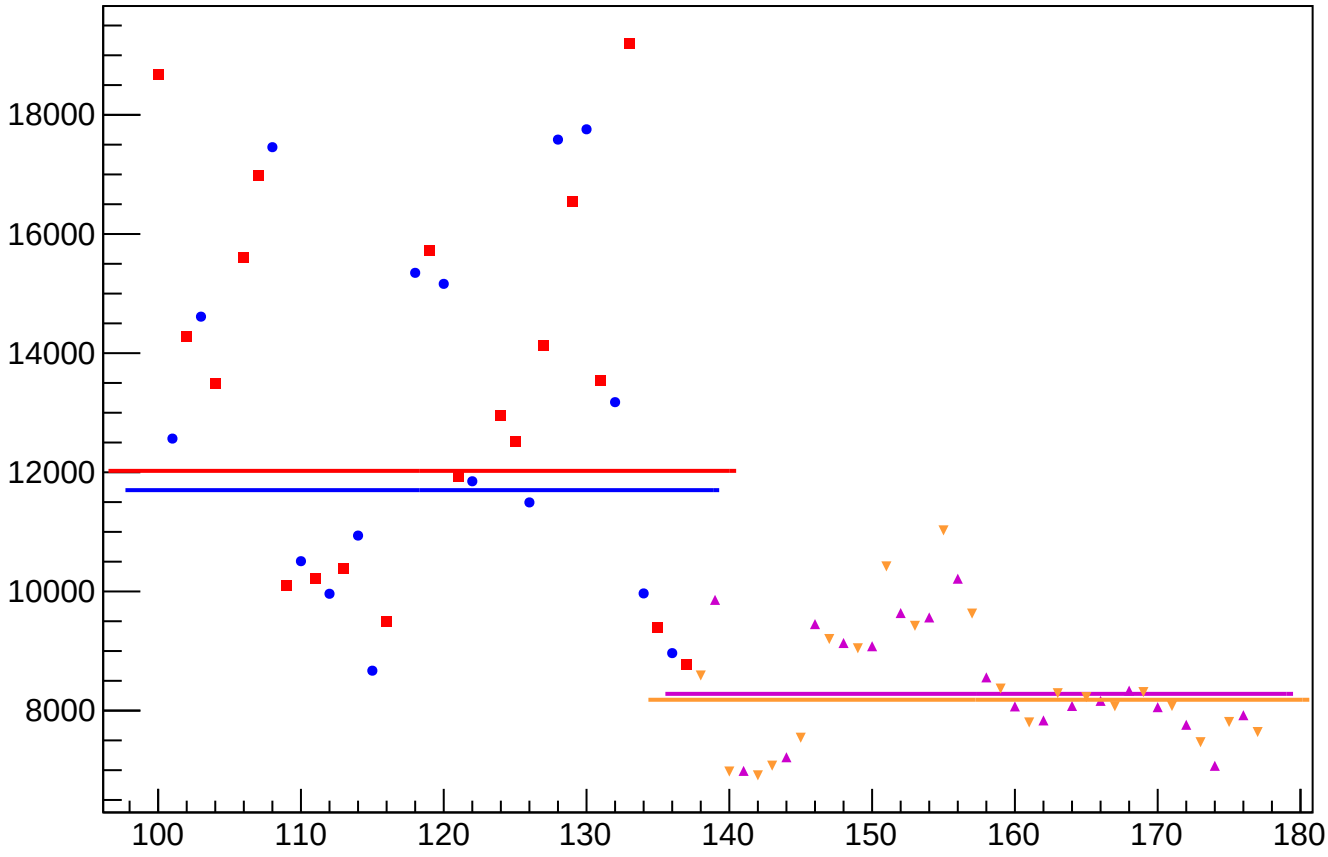
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -2.280+/-2.118 χ^2/NDF:23.6/18

\+ sign -9.009+/-1.845 χ^2/NDF: 80.9/36

All: -6.426+/-1.329 χ^2/NDF: 124.8/74

\- sign -3.633+/-1.918 χ^2/NDF: 39.9/37



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8182.148+/-1.431 χ^2/NDF:453316.3/20

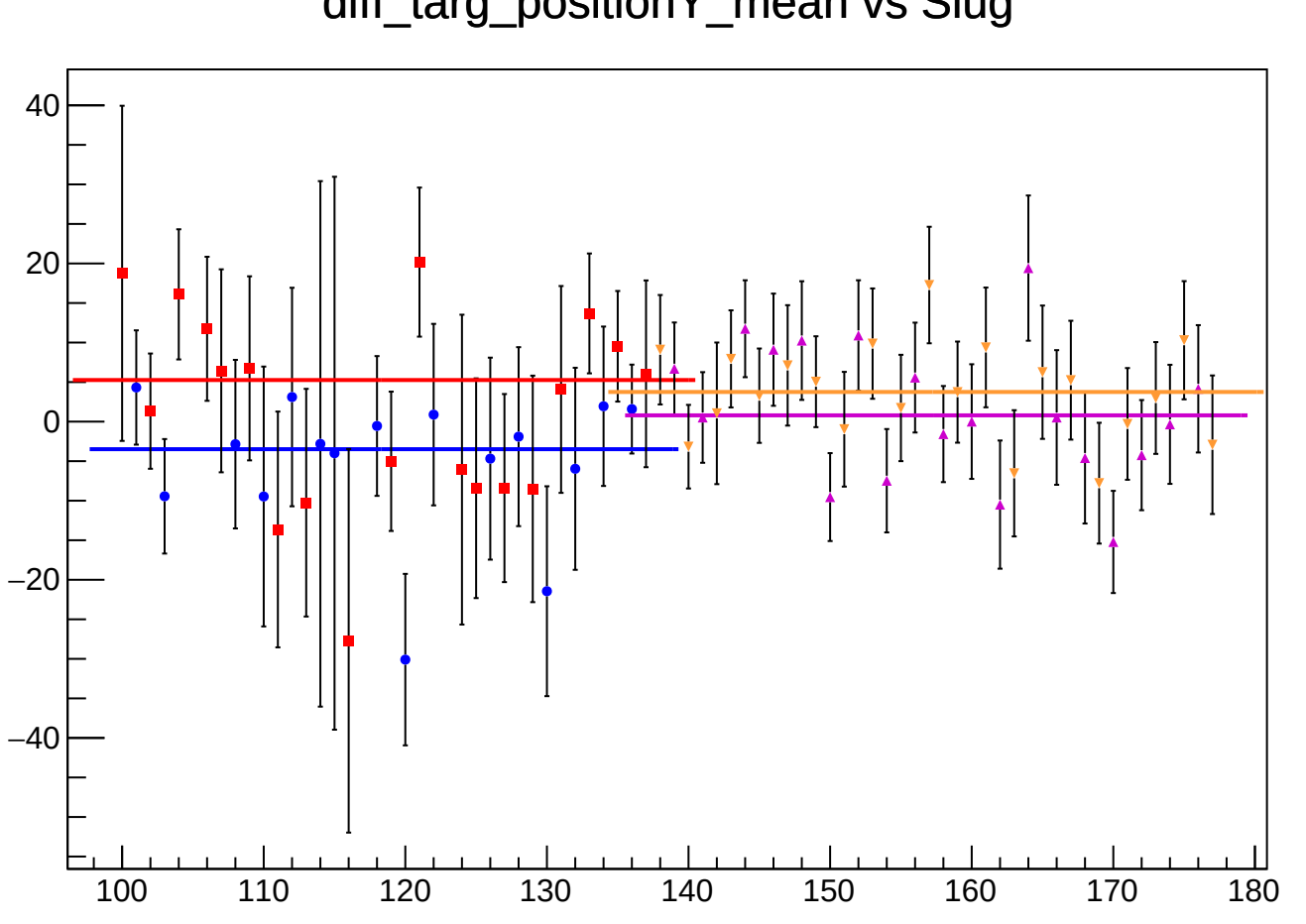
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8281.273+/-1.498 χ^2/NDF:392143.1/18

+ sign 8776.363+/-1.304 χ^2/NDF: 2214977.3/36

All: 8862.616+/-0.940 χ^2/NDF: 4426629.7/74

- sign 8955.855+/-1.356 χ^2/NDF: 2202551.5/37



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.750+/-1.527 χ^2/NDF:14.1/20

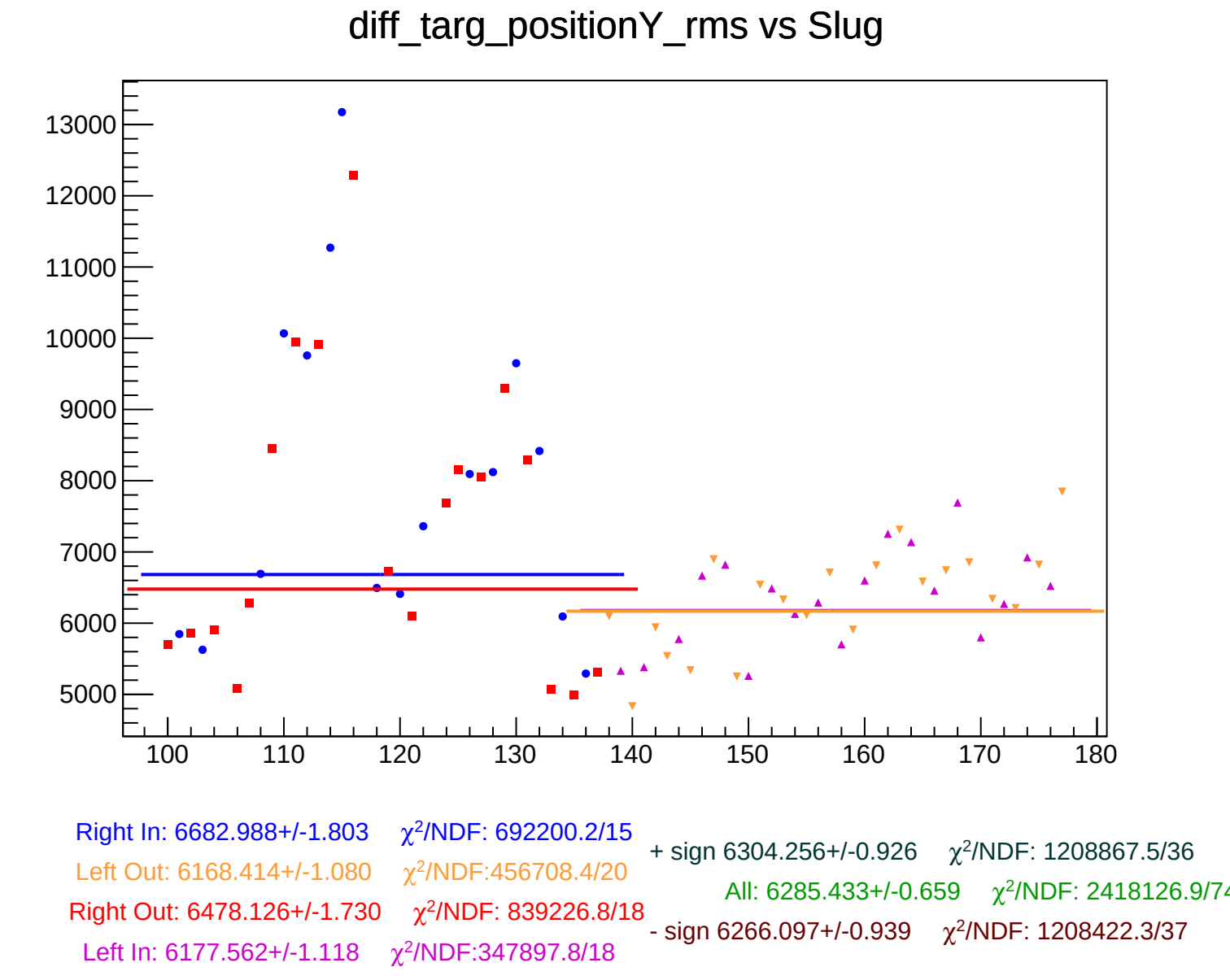
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 0.794+/-1.581 χ^2/NDF:28.3/18

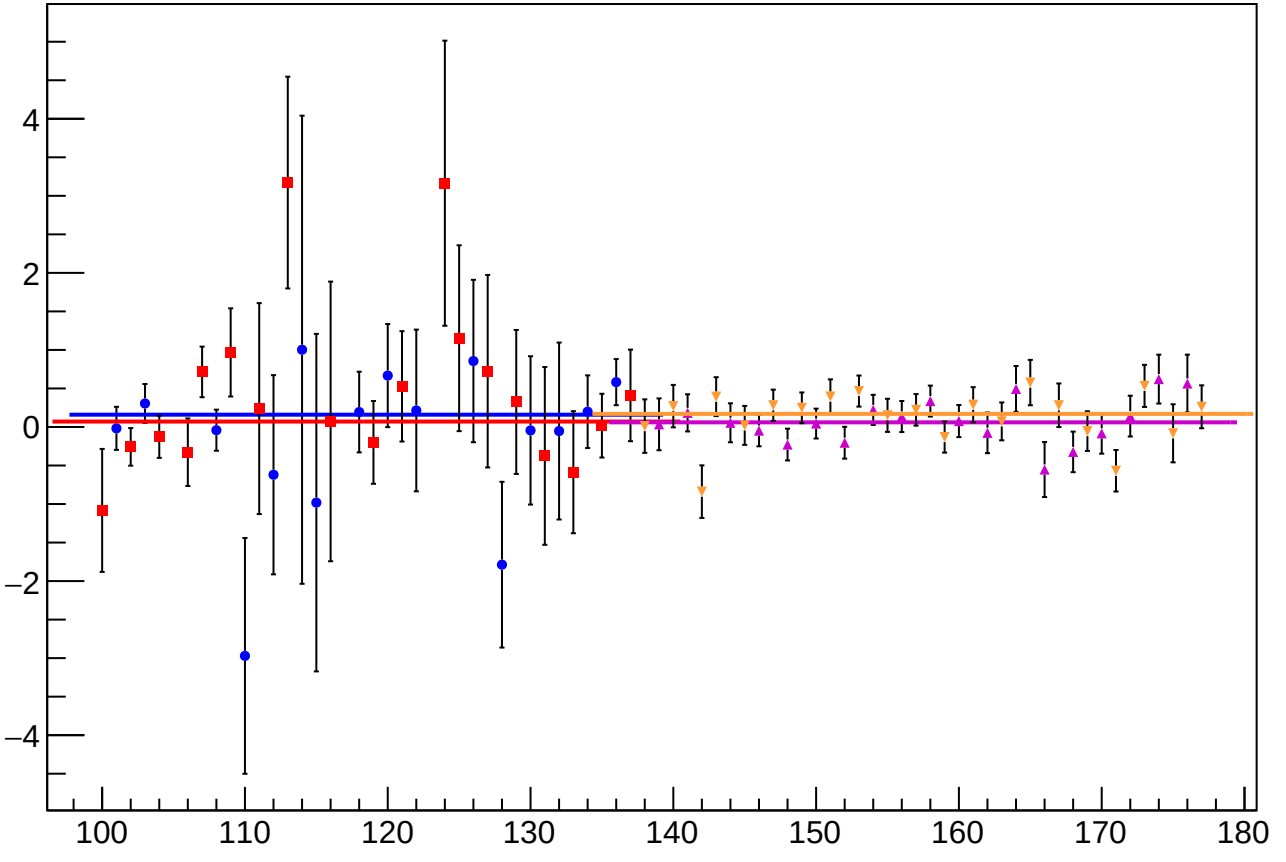
+ sign 1.840+/-1.310 χ^2/NDF: 31.5/36

All: 1.973+/-0.933 χ^2/NDF: 78.8/74

- sign 2.109+/-1.328 χ^2/NDF: 47.3/37


diff_targ_positionY_rms vs Slug
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
170
180
Right In: 6682.988+/-1.803 χ²/NDF: 692200.2/15
Left Out: 6168.414+/-1.080 χ²/NDF:456708.4/20
Right Out: 6478.126+/-1.730 χ²/NDF: 839226.8/18
Left In: 6177.562+/-1.118 χ²/NDF:347897.8/18
+ sign 6304.256+/-0.926 χ²/NDF: 1208867.5/36
All: 6285.433+/-0.659 χ²/NDF: 2418126.9/74
- sign 6266.097+/-0.939 χ²/NDF: 1208422.3/37

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.170+/-0.054 χ^2/NDF:29.2/20

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

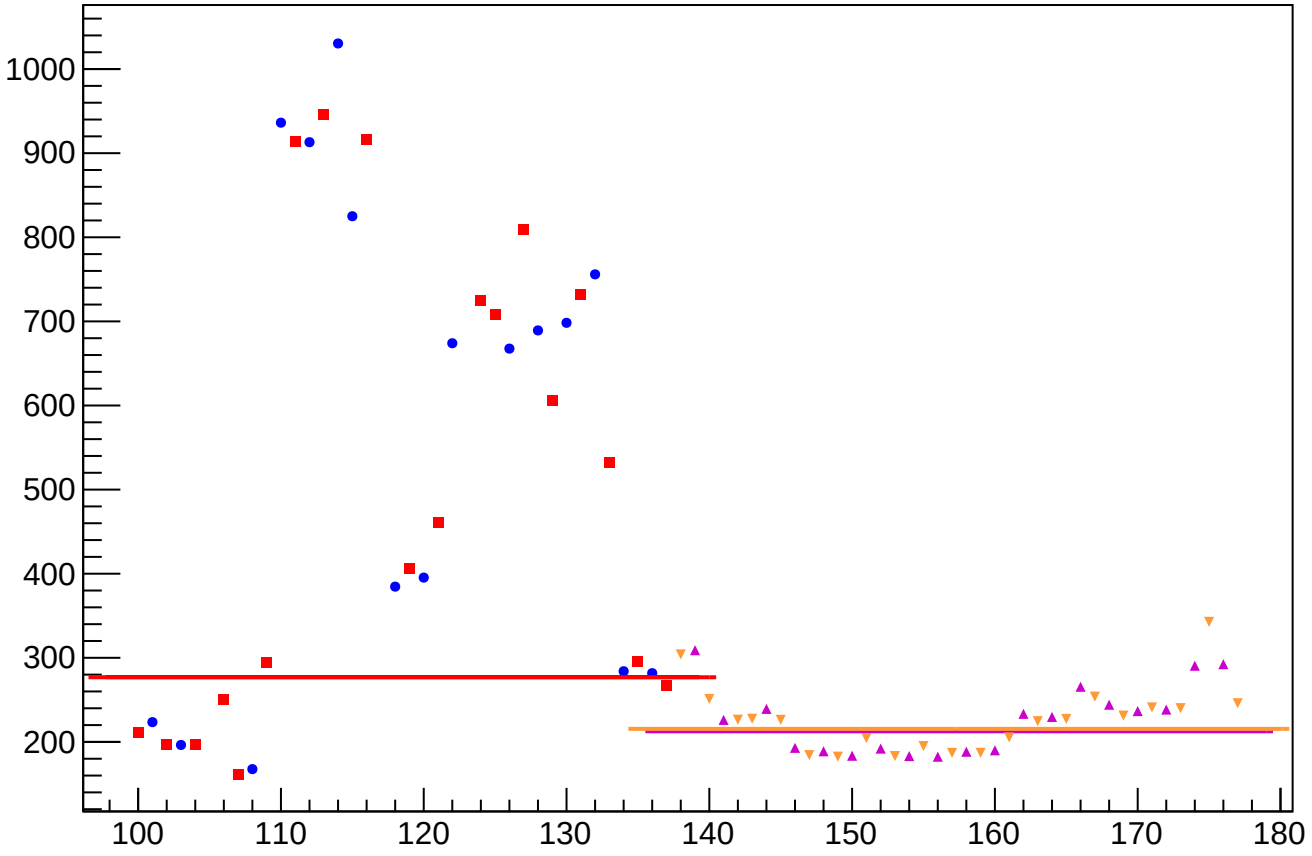
Left In: 0.060+/-0.055 χ^2/NDF:19.7/18

+ sign 0.168+/-0.049 χ^2/NDF: 41.8/36

All: 0.116+/-0.035 χ^2/NDF: 86.2/74

- sign 0.062+/-0.050 χ^2/NDF: 42.1/37

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 215.517+/-0.038 χ^2/NDF:769142.0/20

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

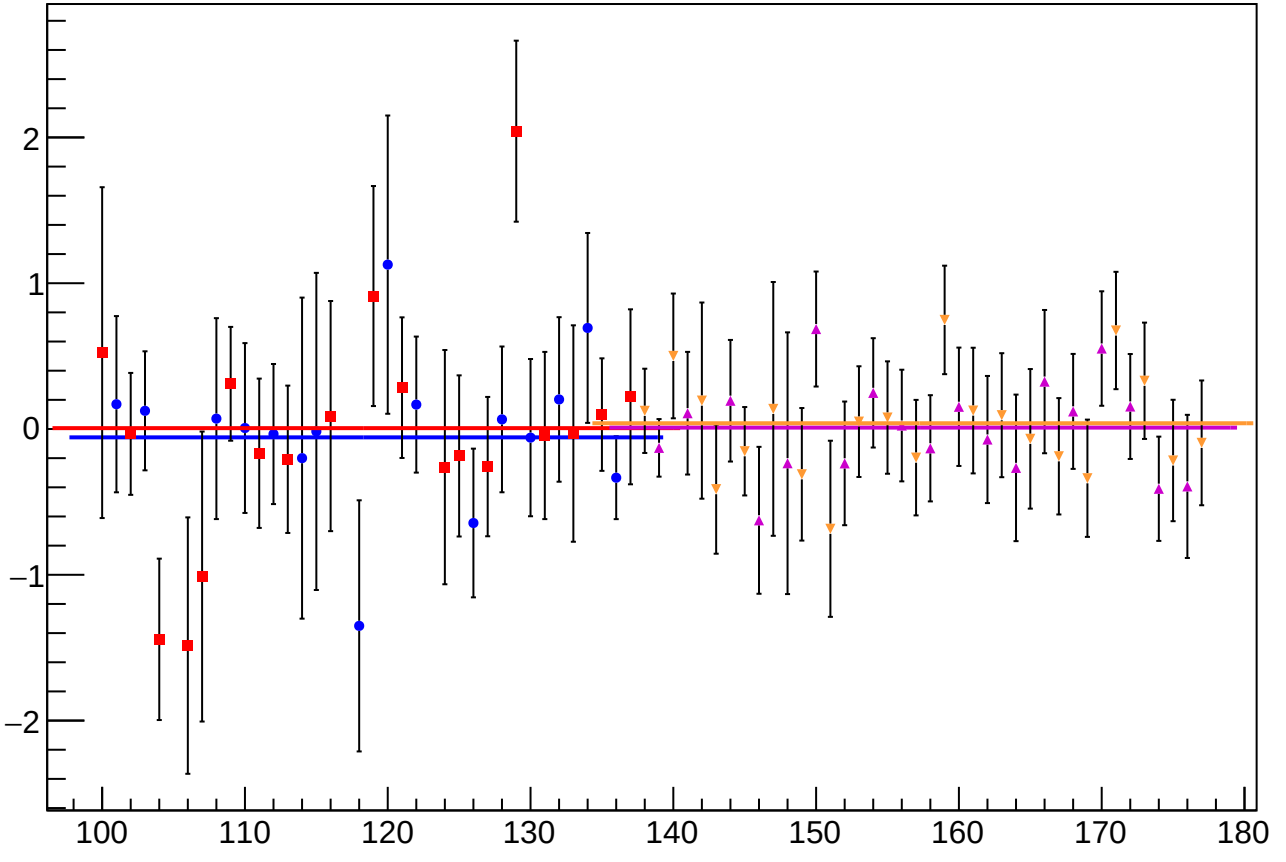
Left In: 212.618+/-0.039 χ^2/NDF:785367.7/18

+ sign 225.820+/-0.035 χ^2/NDF: 4660053.2/36

All: 224.822+/-0.025 χ^2/NDF: 9494793.2/74

- sign 223.784+/-0.035 χ^2/NDF: 4833042.1/37

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.039+/-0.090 χ^2/NDF:13.6/20

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

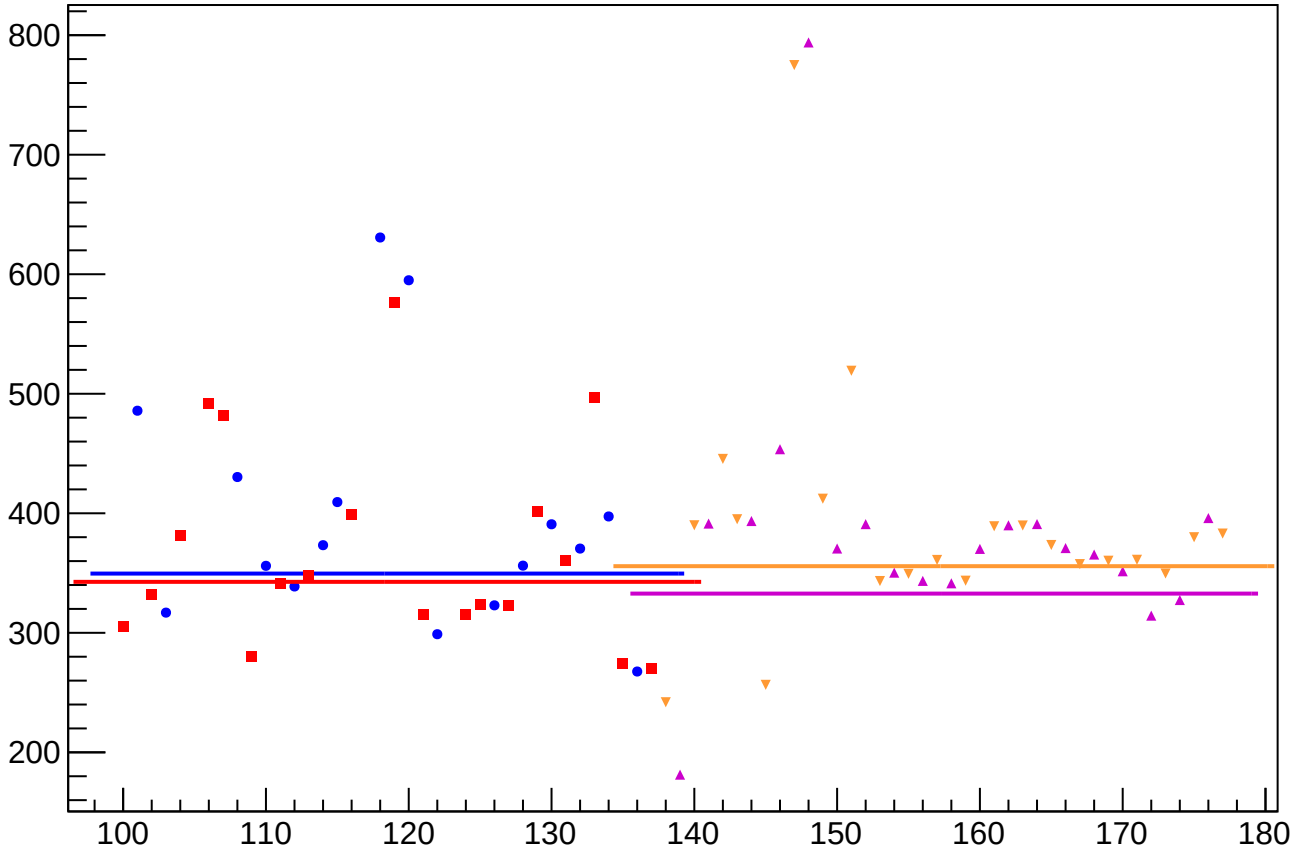
Left In: 0.010+/-0.088 χ^2/NDF:11.3/18

+ sign 0.009+/-0.075 χ^2/NDF: 22.1/36

All: 0.009+/-0.052 χ^2/NDF: 58.6/74

- sign 0.008+/-0.073 χ^2/NDF: 36.5/37

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 355.749+/-0.064 χ^2/NDF:1279075.5/20

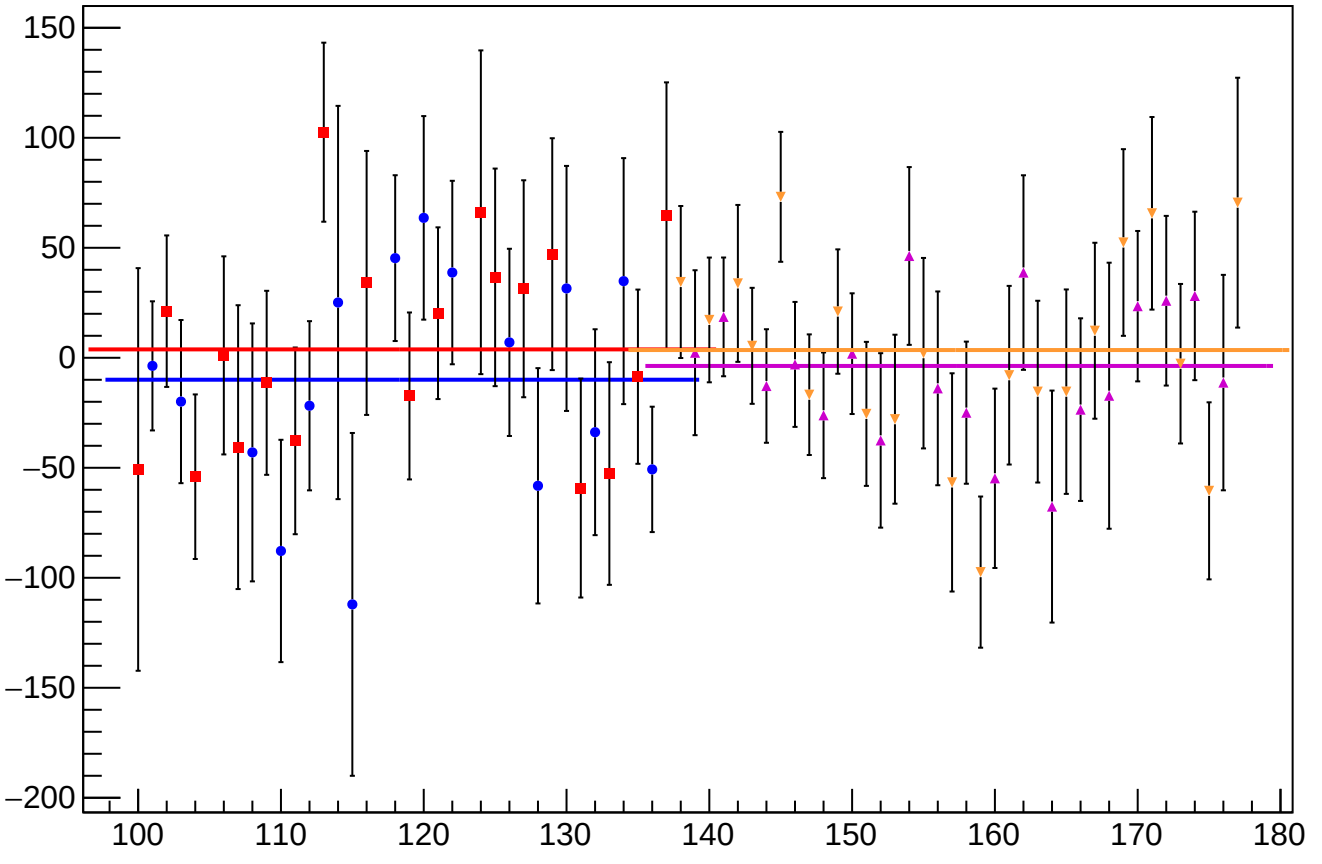
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 332.806+/-0.063 χ^2/NDF:2109947.5/18

\+ sign 353.819+/-0.053 χ^2/NDF: 1981323.5/36

All: 344.673+/-0.037 χ^2/NDF: 4733446.6/74

\- sign 335.956+/-0.052 χ^2/NDF: 2693619.1/37



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 3.518+/-7.790 χ^2/NDF:27.6/20

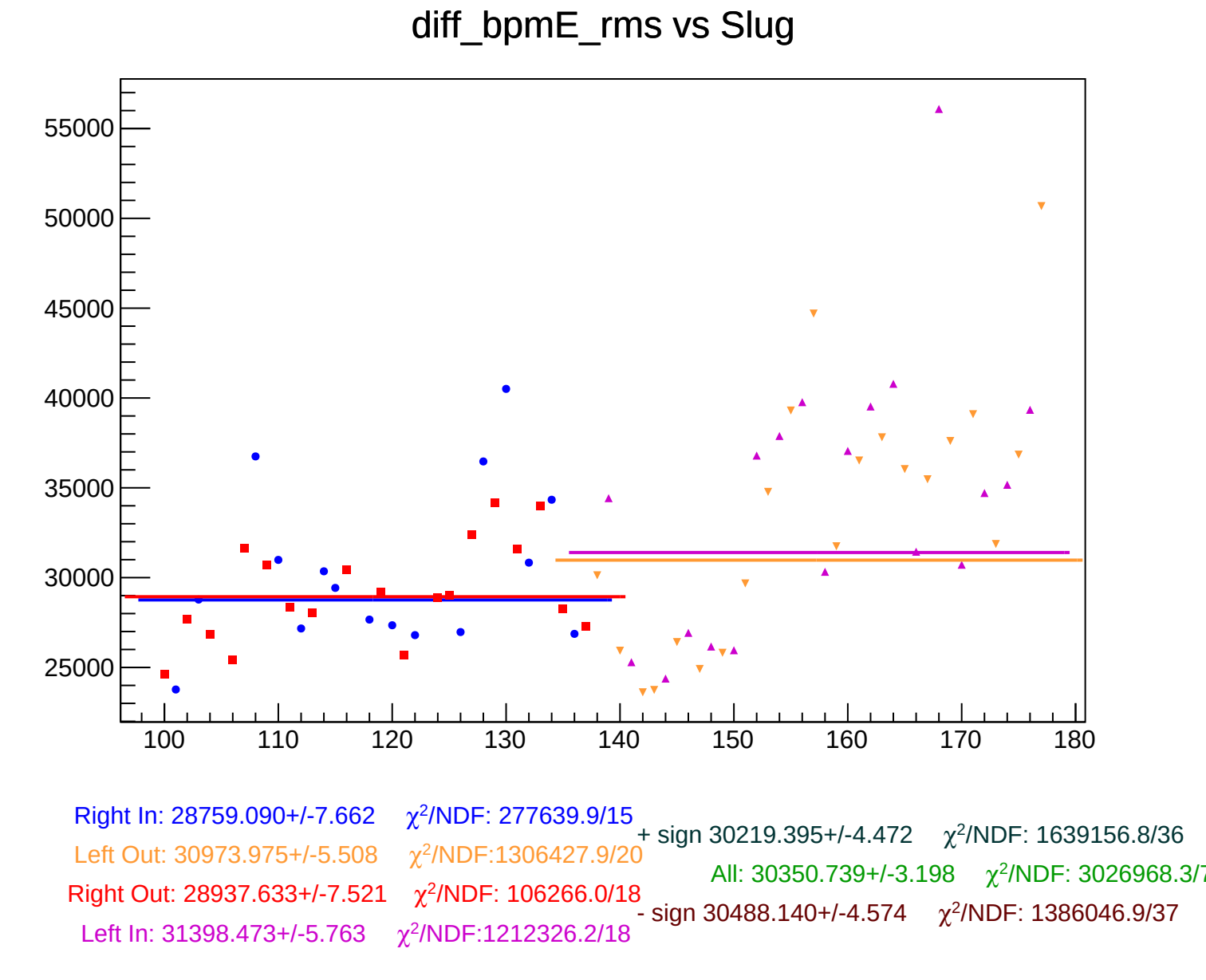
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.710+/-8.150 χ^2/NDF:10.4/18

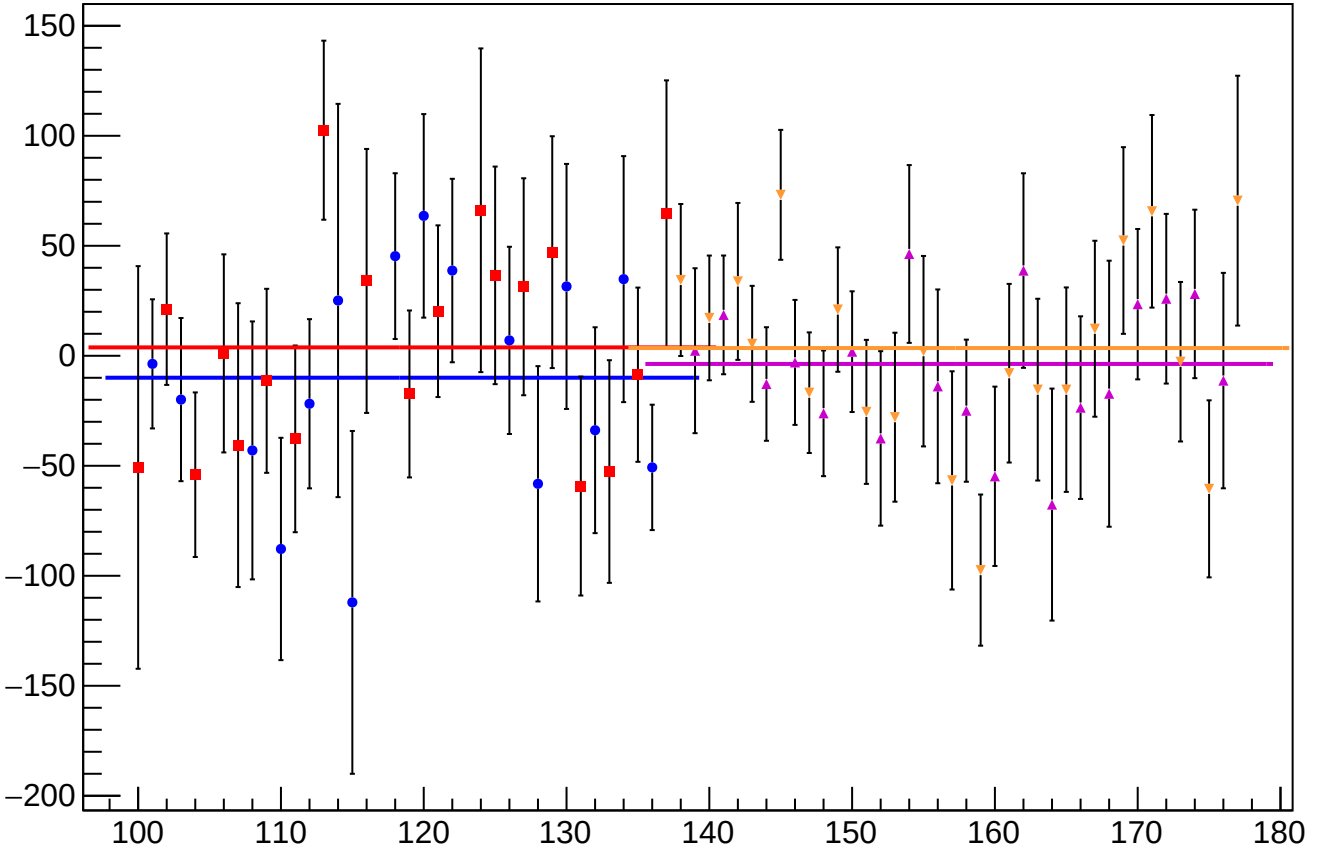
+ sign -1.077+/-6.325 χ^2/NDF: 43.9/36

All: -1.004+/-4.523 χ^2/NDF: 71.9/74

- sign -0.927+/-6.469 χ^2/NDF: 28.0/37


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: 30973.975+/-5.508 χ²/NDF:1306427.9/20
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31398.473+/-5.763 χ²/NDF:1212326.2/18
+ sign 30219.395+/-4.472 χ²/NDF: 1639156.8/36
All: 30350.739+/-3.198 χ²/NDF: 3026968.3/7
- sign 30488.140+/-4.574 χ²/NDF: 1386046.9/37

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 3.518+/-7.790 χ^2/NDF:27.6/20

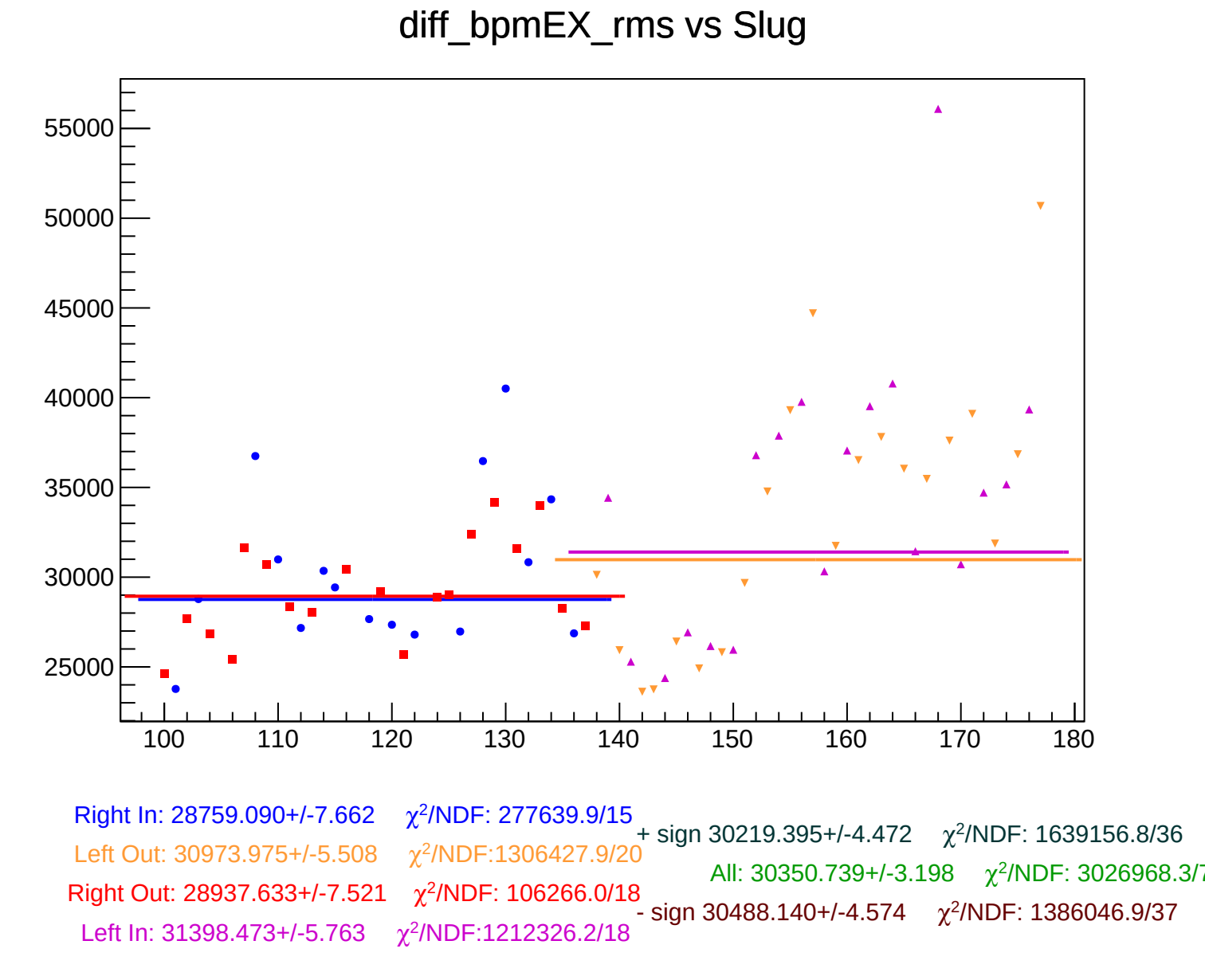
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.710+/-8.150 χ^2/NDF:10.4/18

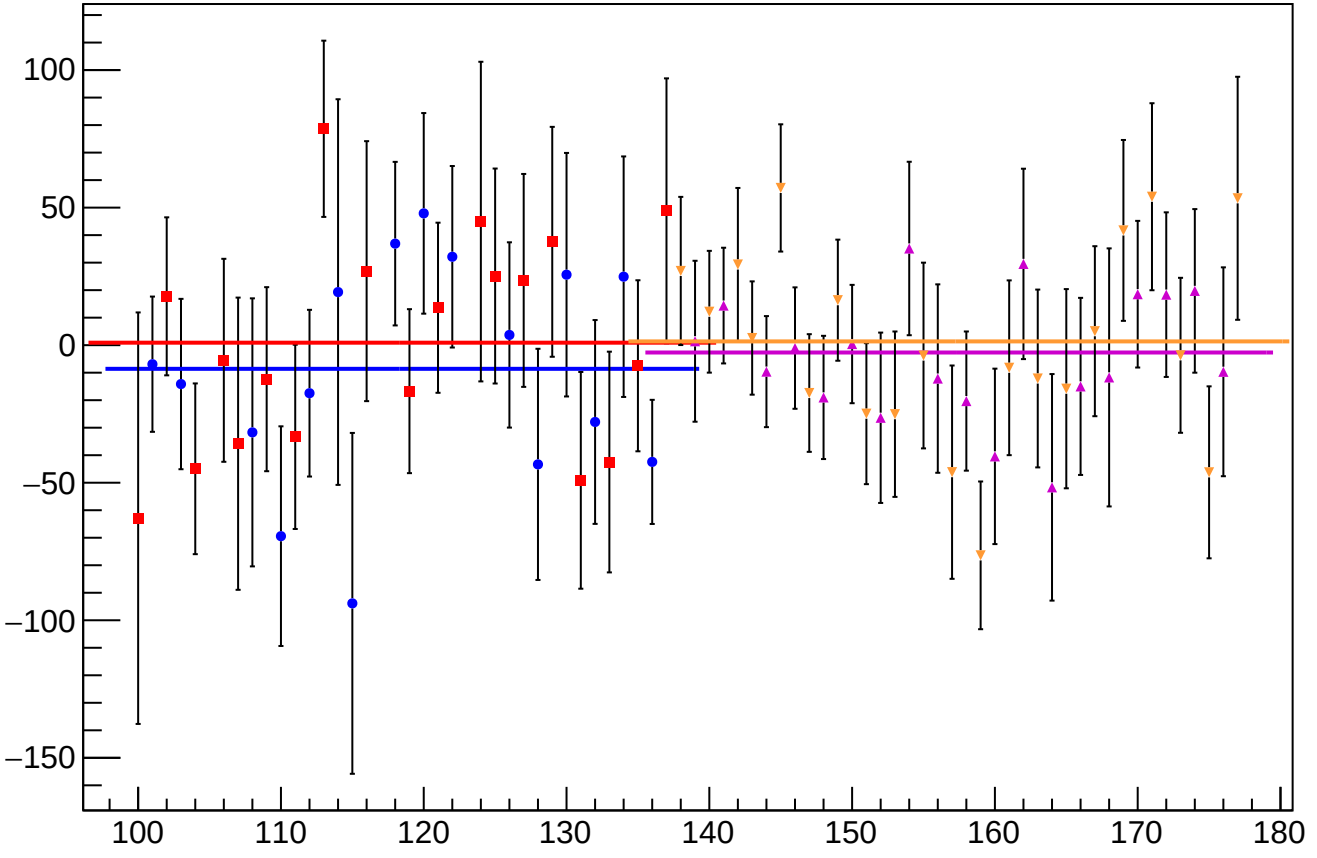
\+ sign -1.077+/-6.325 χ^2/NDF: 43.9/36

All: -1.004+/-4.523 χ^2/NDF: 71.9/74

\- sign -0.927+/-6.469 χ^2/NDF: 28.0/37


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30973.975+/-5.508 χ²/NDF:1306427.9/20
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31398.473+/-5.763 χ²/NDF:1212326.2/18
+ sign 30219.395+/-4.472 χ²/NDF: 1639156.8/36
All: 30350.739+/-3.198 χ²/NDF: 3026968.3/7
- sign 30488.140+/-4.574 χ²/NDF: 1386046.9/37

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 1.371+/-6.075 χ^2/NDF:29.1/20

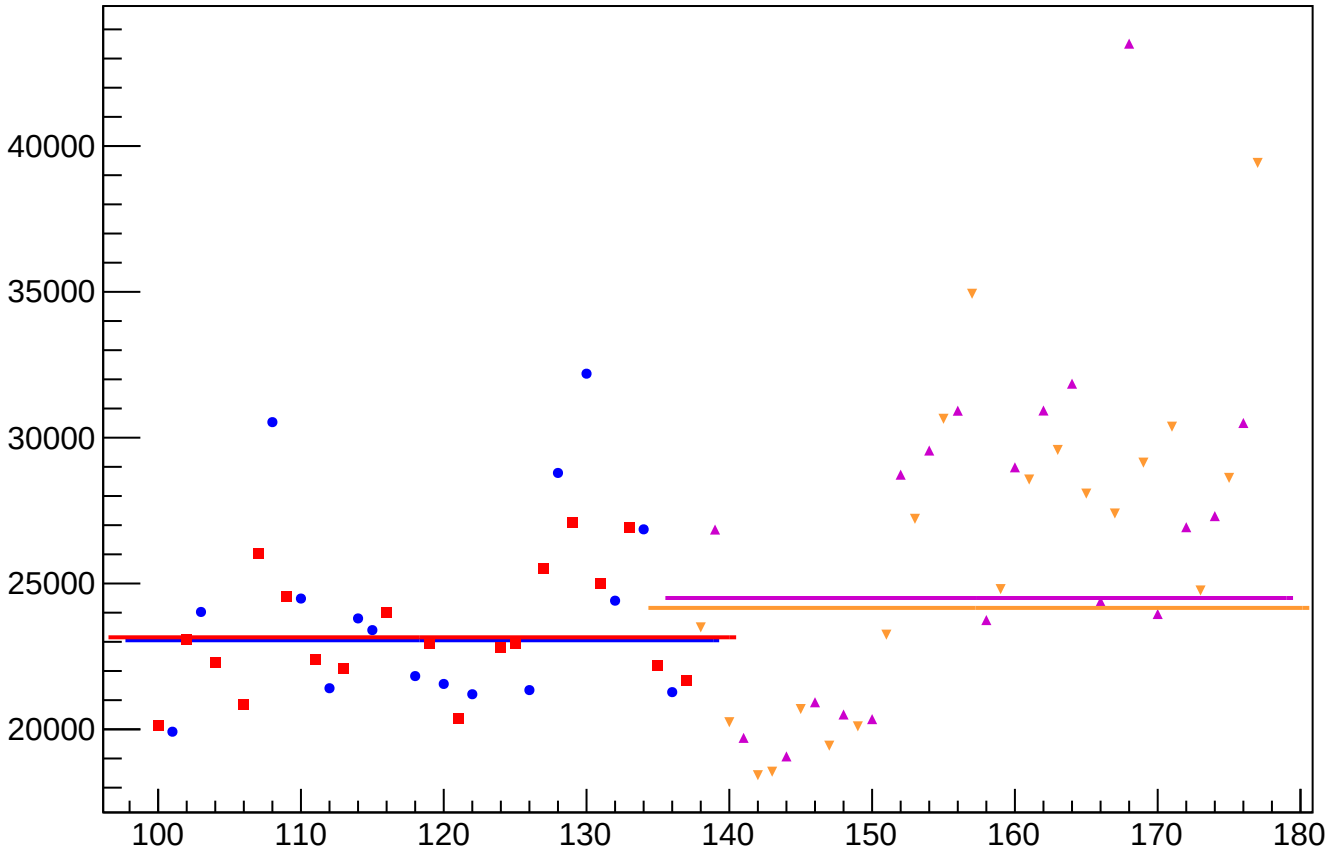
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -2.667+/-6.358 χ^2/NDF:9.5/18

\+ sign -1.908+/-4.977 χ^2/NDF: 45.5/36

All: -1.654+/-3.559 χ^2/NDF: 72.7/74

\- sign -1.387+/-5.093 χ^2/NDF: 27.2/37



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 24163.344+/-4.296 χ^2/NDF:1293848.9/20

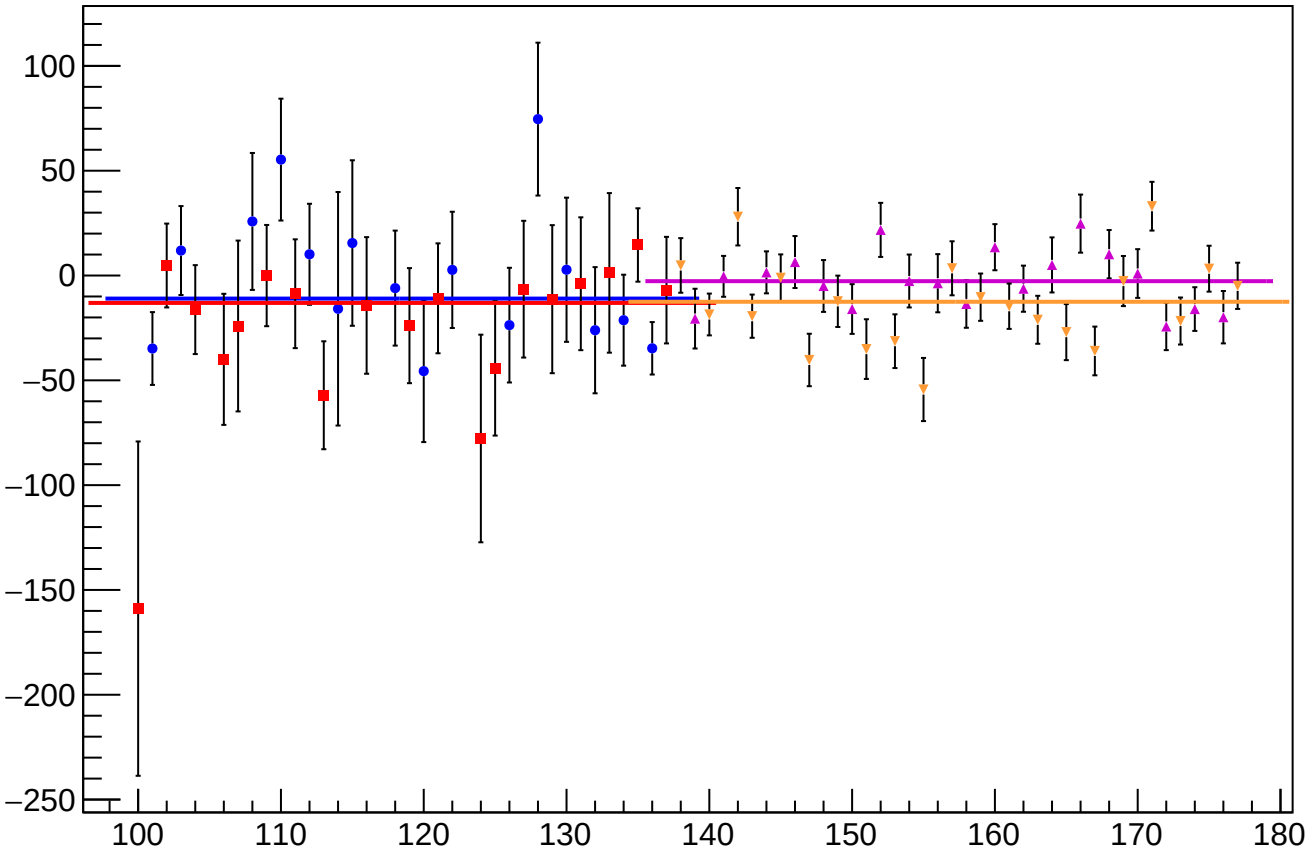
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 24502.952+/-4.496 χ^2/NDF:1195742.2/18

\+ sign 23798.473+/-3.519 χ^2/NDF: 1577229.4/36

All: 23906.605+/-2.517 χ^2/NDF: 2901008.4/

\- sign 24019.829+/-3.601 χ^2/NDF: 1321846.3/37



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.517+/-2.589 χ^2/NDF:56.4/20

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

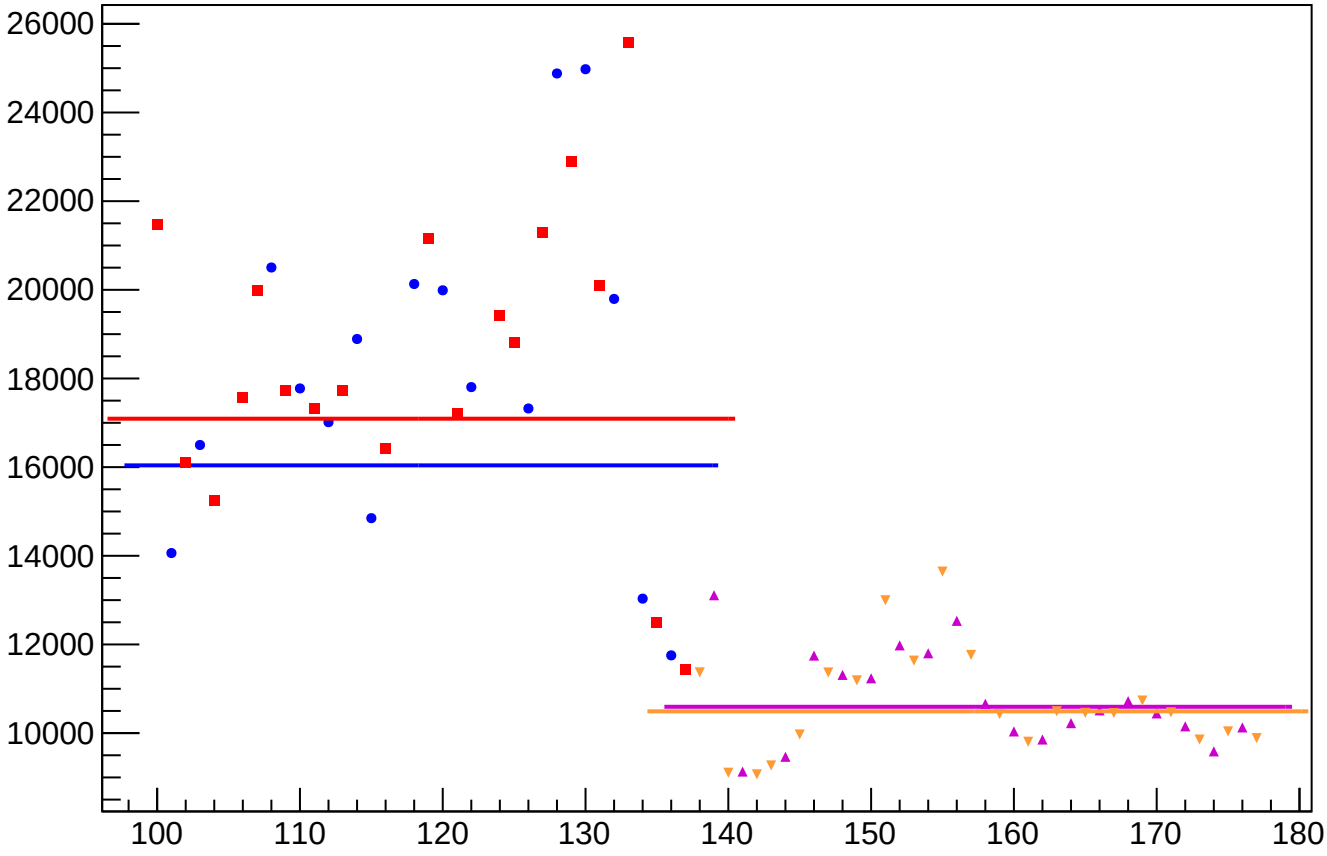
Left In: -2.693+/-2.705 χ^2/NDF:23.2/18

+ sign -12.289+/-2.386 χ^2/NDF: 78.5/36

All: -8.453+/-1.723 χ^2/NDF: 123.2/74

- sign -4.274+/-2.490 χ^2/NDF: 39.3/37

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10491.431+/-1.831 χ^2/NDF:327703.2/20

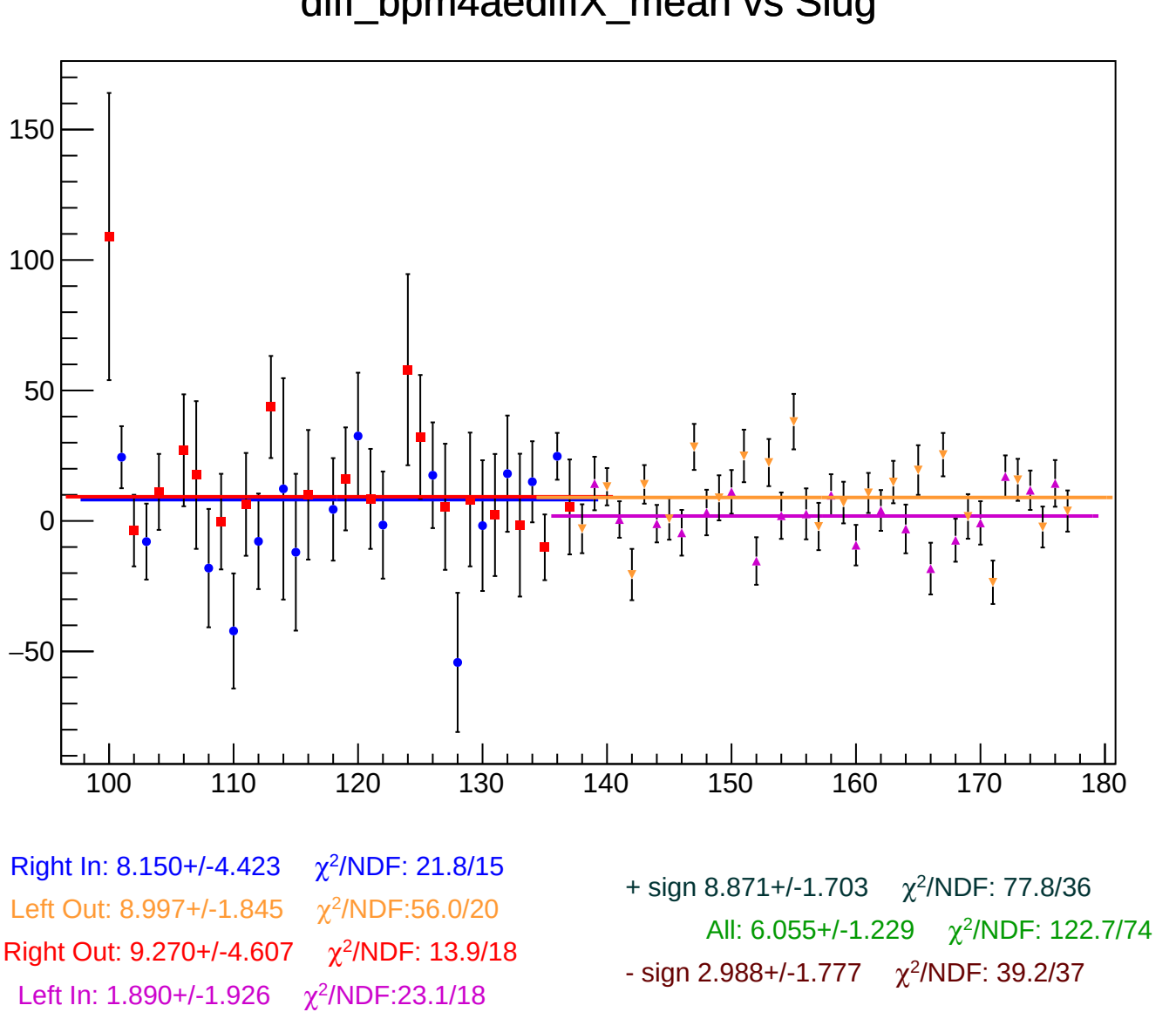
Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10593.894+/-1.913 χ^2/NDF:283873.7/18

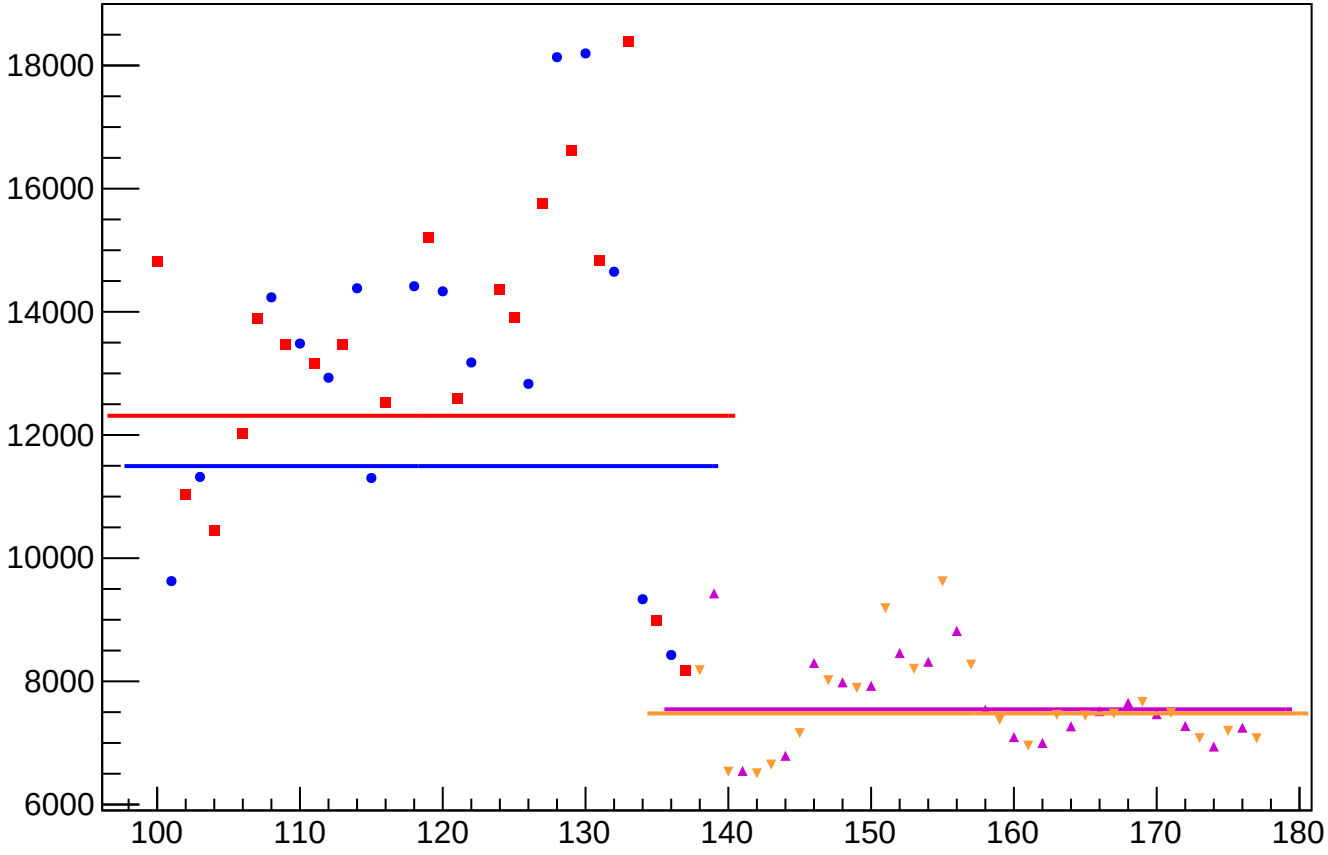
+ sign 11325.594+/-1.687 χ^2/NDF: 2431418.3/36

All: 11449.087+/-1.218 χ^2/NDF: 5020027.0/7

- sign 11583.581+/-1.761 χ^2/NDF: 2577420.4/37


diff_bpm4aediffX_mean vs Slug
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: 8.150+/-4.423 χ²/NDF: 21.8/15
Left Out: 8.997+/-1.845 χ²/NDF:56.0/20
Right Out: 9.270+/-4.607 χ²/NDF: 13.9/18
Left In: 1.890+/-1.926 χ²/NDF:23.1/18
+ sign 8.871+/-1.703 χ²/NDF: 77.8/36
All: 6.055+/-1.229 χ²/NDF: 122.7/74
- sign 2.988+/-1.777 χ²/NDF: 39.2/37

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7479.179+/-1.304 χ^2/NDF:296880.3/20

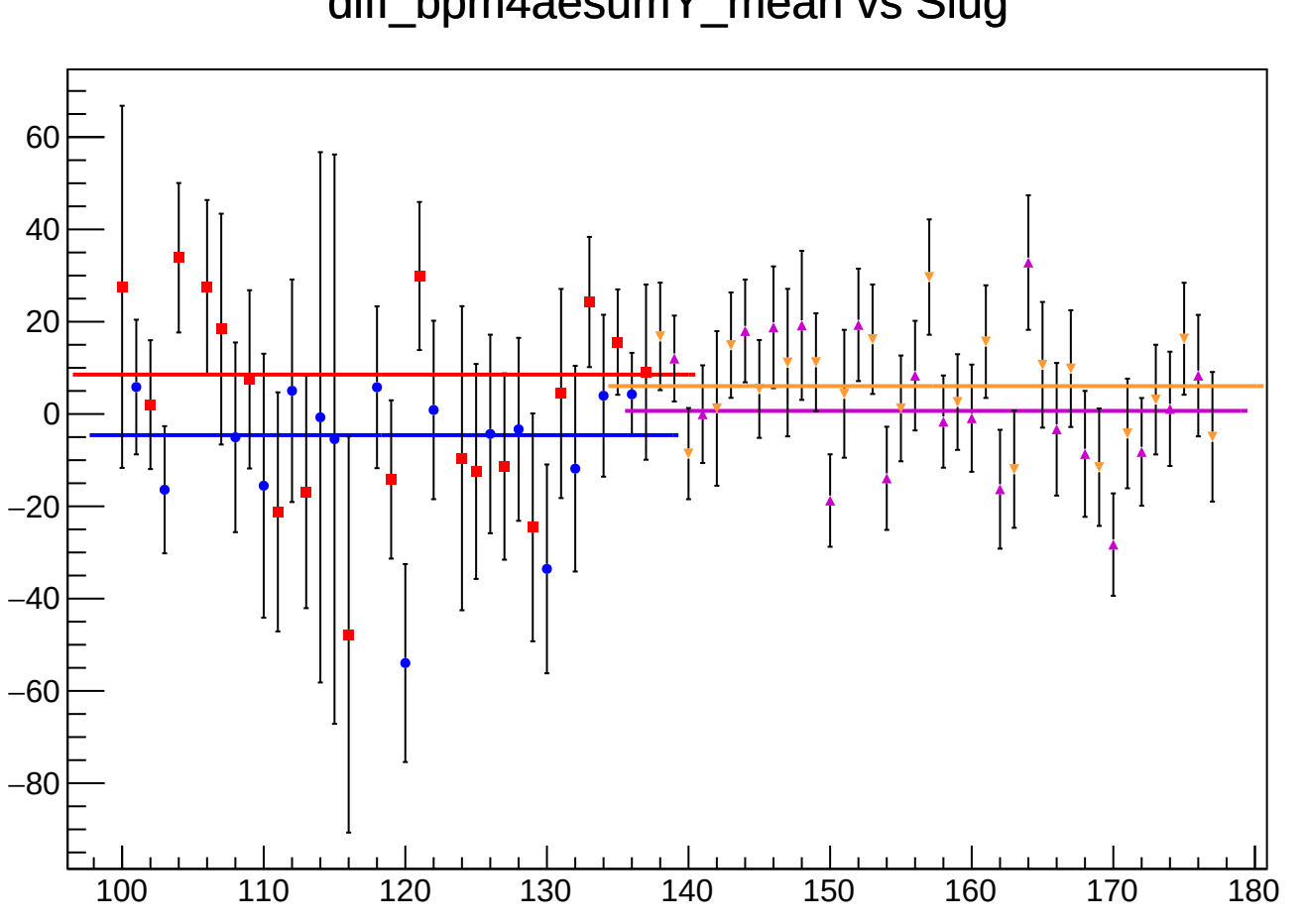
Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7545.921+/-1.362 χ^2/NDF:259734.5/18

+ sign 8074.257+/-1.204 χ^2/NDF: 2491355.4/36

All: 8160.764+/-0.869 χ^2/NDF: 5182994.3/74

- sign 8254.997+/-1.256 χ^2/NDF: 2680851.0/37



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.047+/-2.644 χ^2/NDF:15.6/20

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

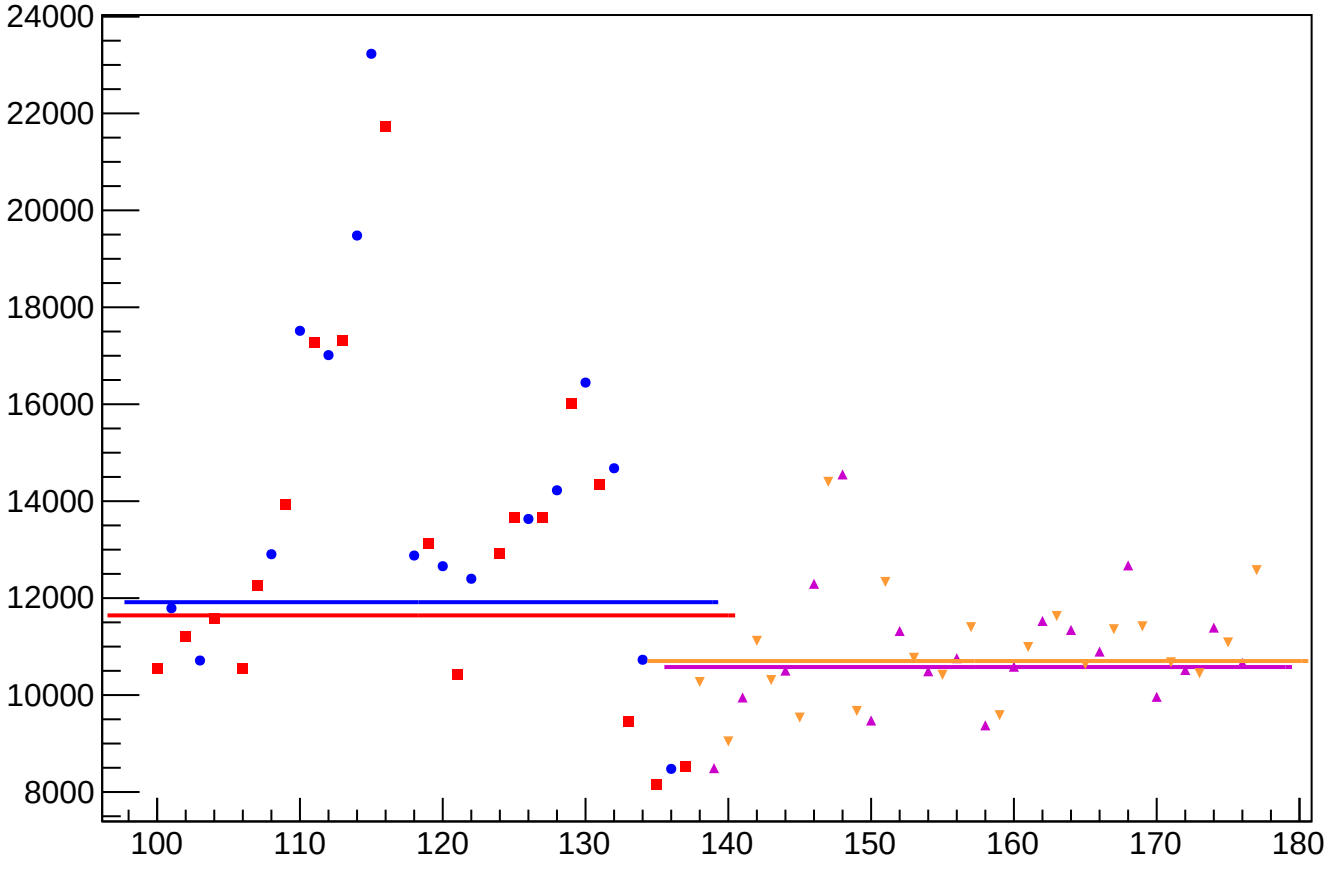
Left In: 0.676+/-2.711 χ^2/NDF:30.3/18

+ sign 3.368+/-2.287 χ^2/NDF: 29.9/36

All: 3.108+/-1.624 χ^2/NDF: 79.7/74

- sign 2.844+/-2.307 χ^2/NDF: 49.8/37

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10702.605+/-1.870 χ^2/NDF:333524.5/20

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

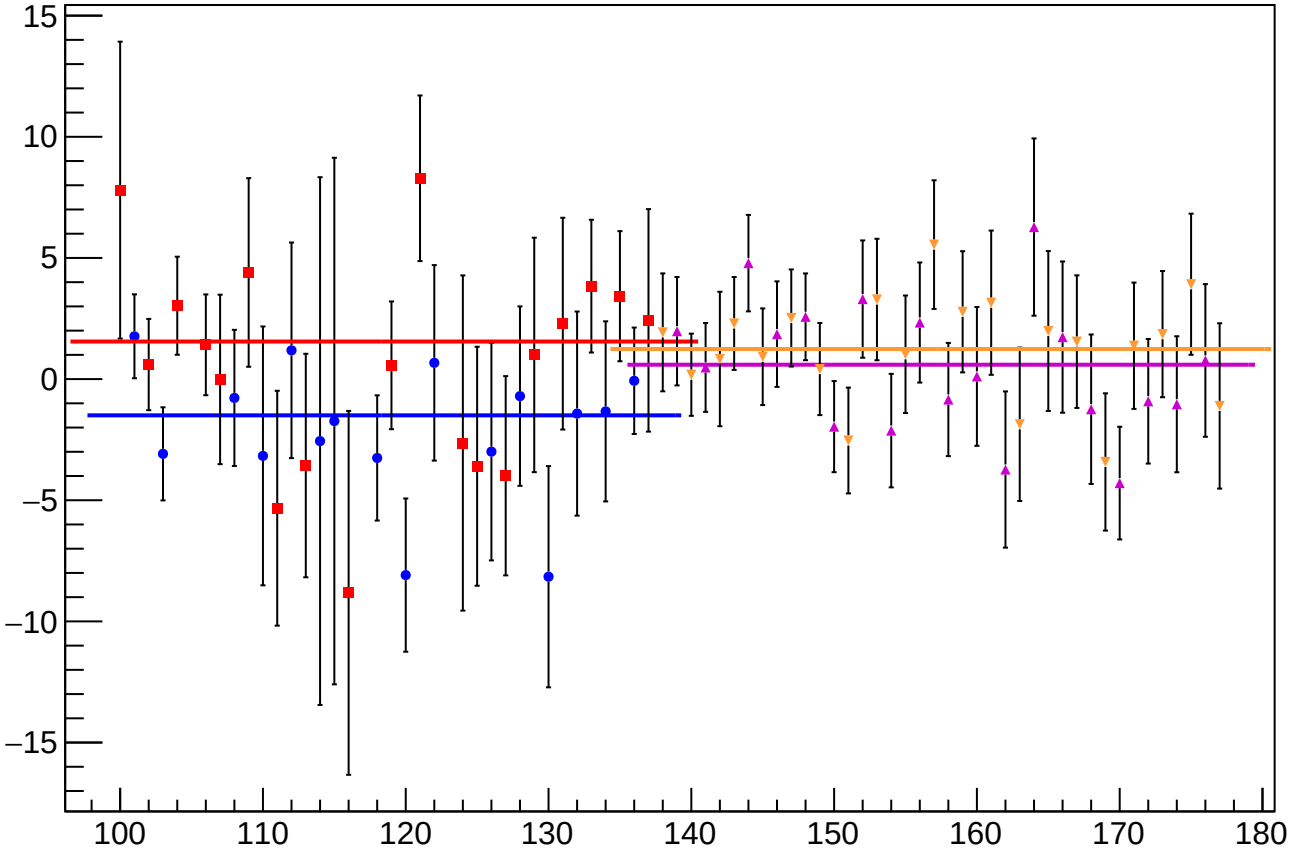
Left In: 10578.062+/-1.917 χ^2/NDF:403552.8/18

+ sign 11008.658+/-1.617 χ^2/NDF: 1189543.5/36

All: 10940.919+/-1.148 χ^2/NDF: 2472235.3/7

- sign 10871.988+/-1.631 χ^2/NDF: 1279151.2/37

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.242+/-0.527 χ^2/NDF:13.6/20

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

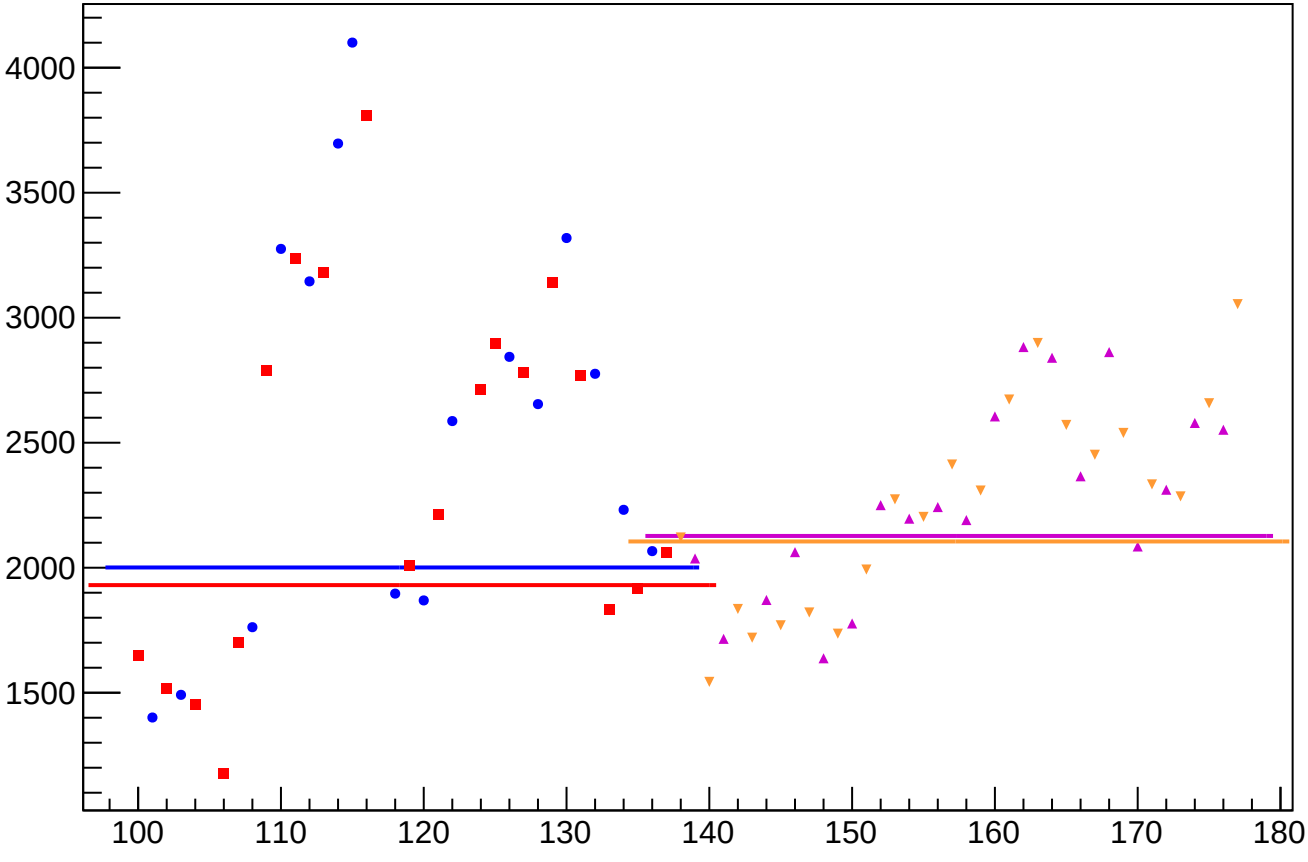
Left In: 0.593+/-0.549 χ^2/NDF:21.5/18

+ sign 0.381+/-0.436 χ^2/NDF: 34.7/36

All: 0.652+/-0.311 χ^2/NDF: 74.3/74

- sign 0.930+/-0.442 χ^2/NDF: 38.9/37

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2105.040+/-0.373 χ^2/NDF:1118214.9/20

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

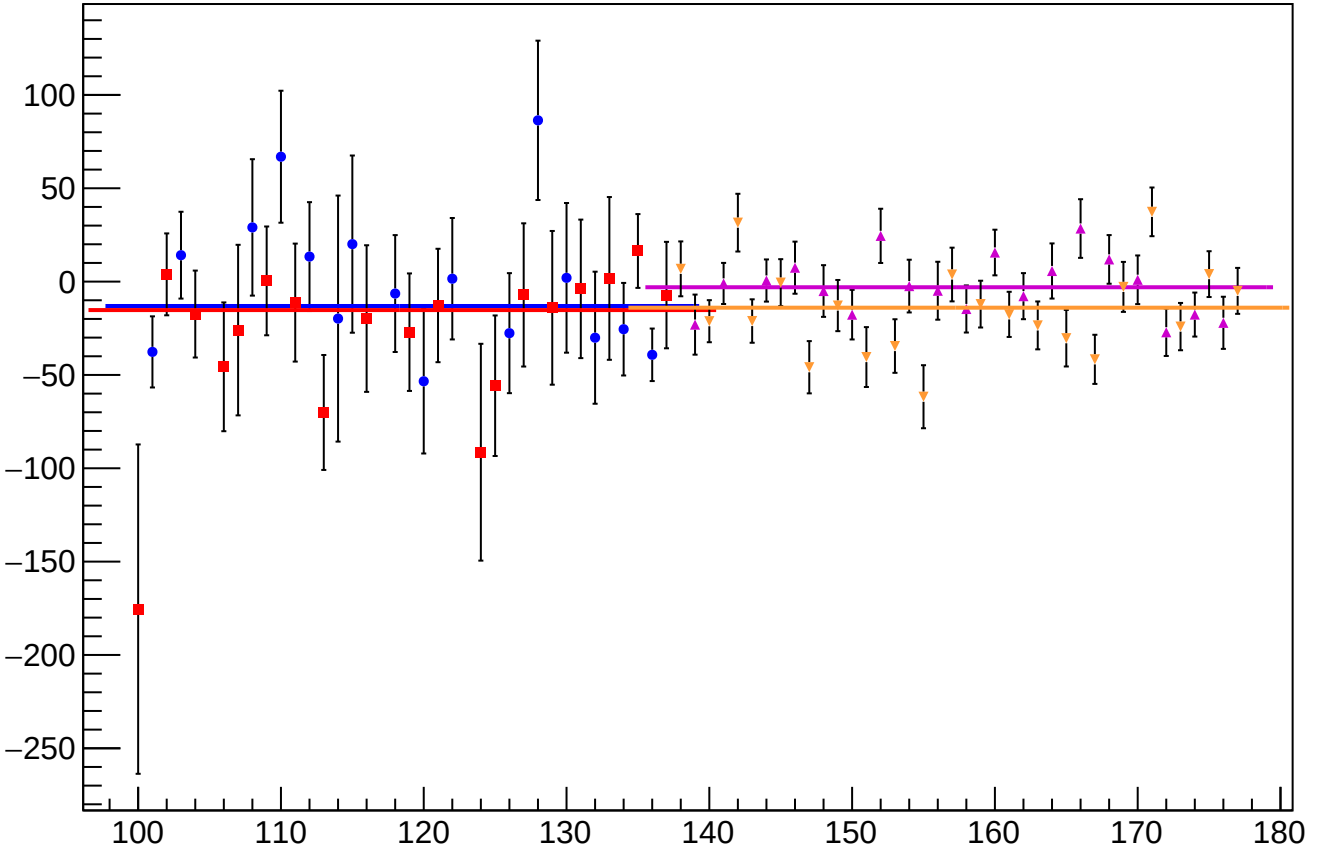
Left In: 2127.101+/-0.388 χ^2/NDF:836619.2/18

+ sign 2072.313+/-0.309 χ^2/NDF: 2332498.8/36

All: 2065.167+/-0.220 χ^2/NDF: 4664166.1/74

- sign 2057.847+/-0.312 χ^2/NDF: 2330582.2/37

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -13.975+/-2.908 χ^2/NDF:57.8/20

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

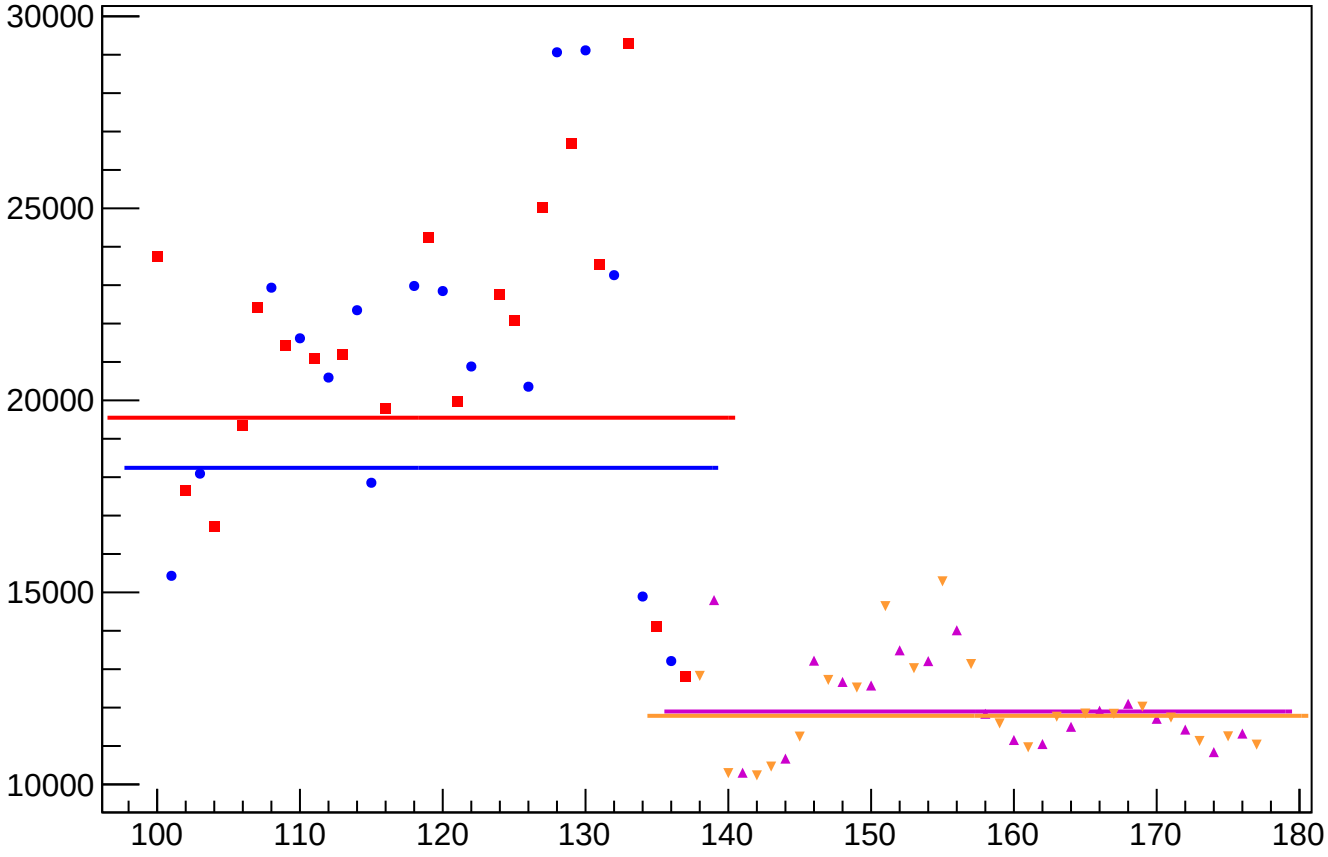
Left In: -3.022+/-3.038 χ^2/NDF:23.2/18

+ sign -13.842+/-2.687 χ^2/NDF: 79.7/36

All: -9.526+/-1.941 χ^2/NDF: 125.0/74

- sign -4.819+/-2.806 χ^2/NDF: 39.9/37

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11785.931+/-2.056 χ^2/NDF:318300.2/20

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

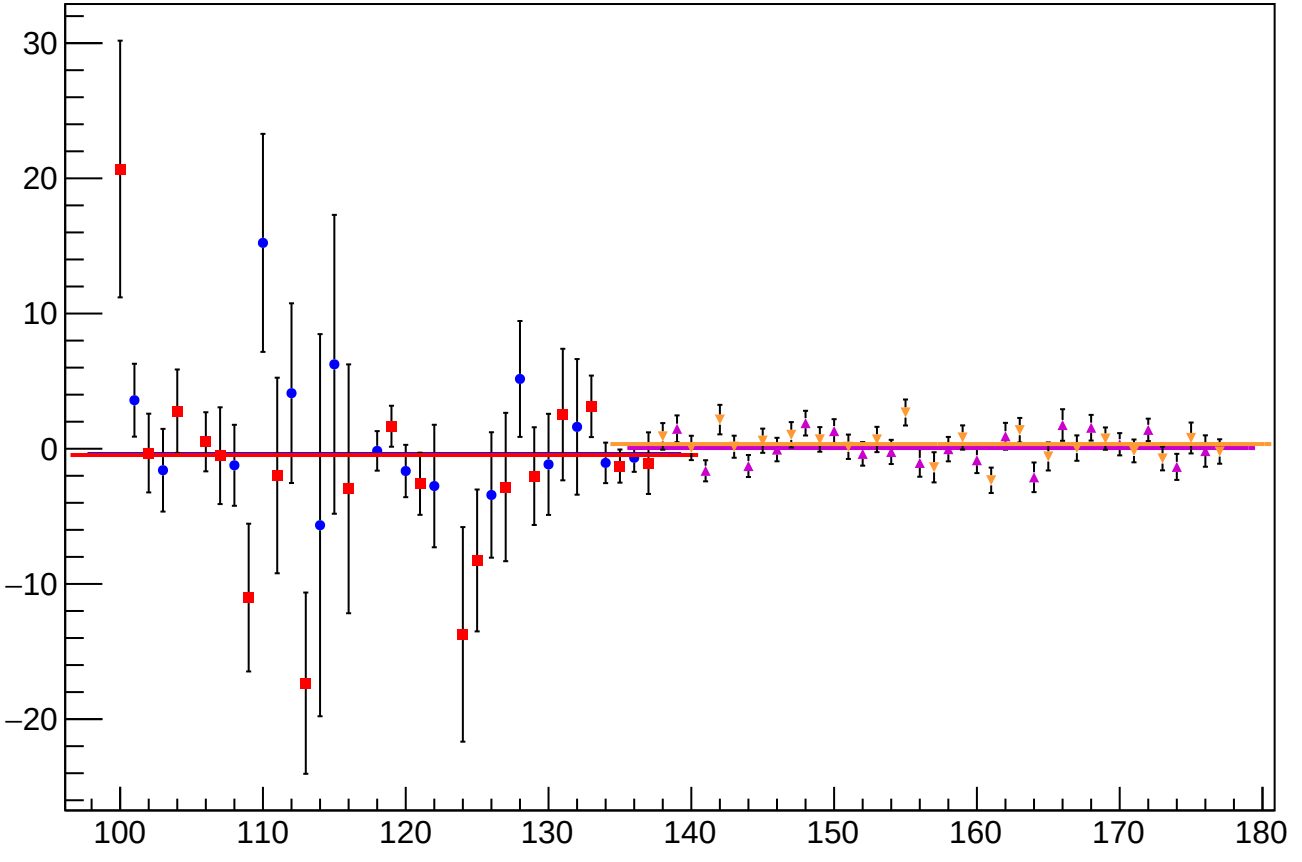
Left In: 11898.404+/-2.148 χ^2/NDF:279816.1/18

+ sign 12730.234+/-1.900 χ^2/NDF: 2580314.5/36

All: 12869.914+/-1.372 χ^2/NDF: 5356305.2/7

- sign 13022.234+/-1.984 χ^2/NDF: 2764691.9/37

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.347+/-0.203 χ^2/NDF:25.6/20

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

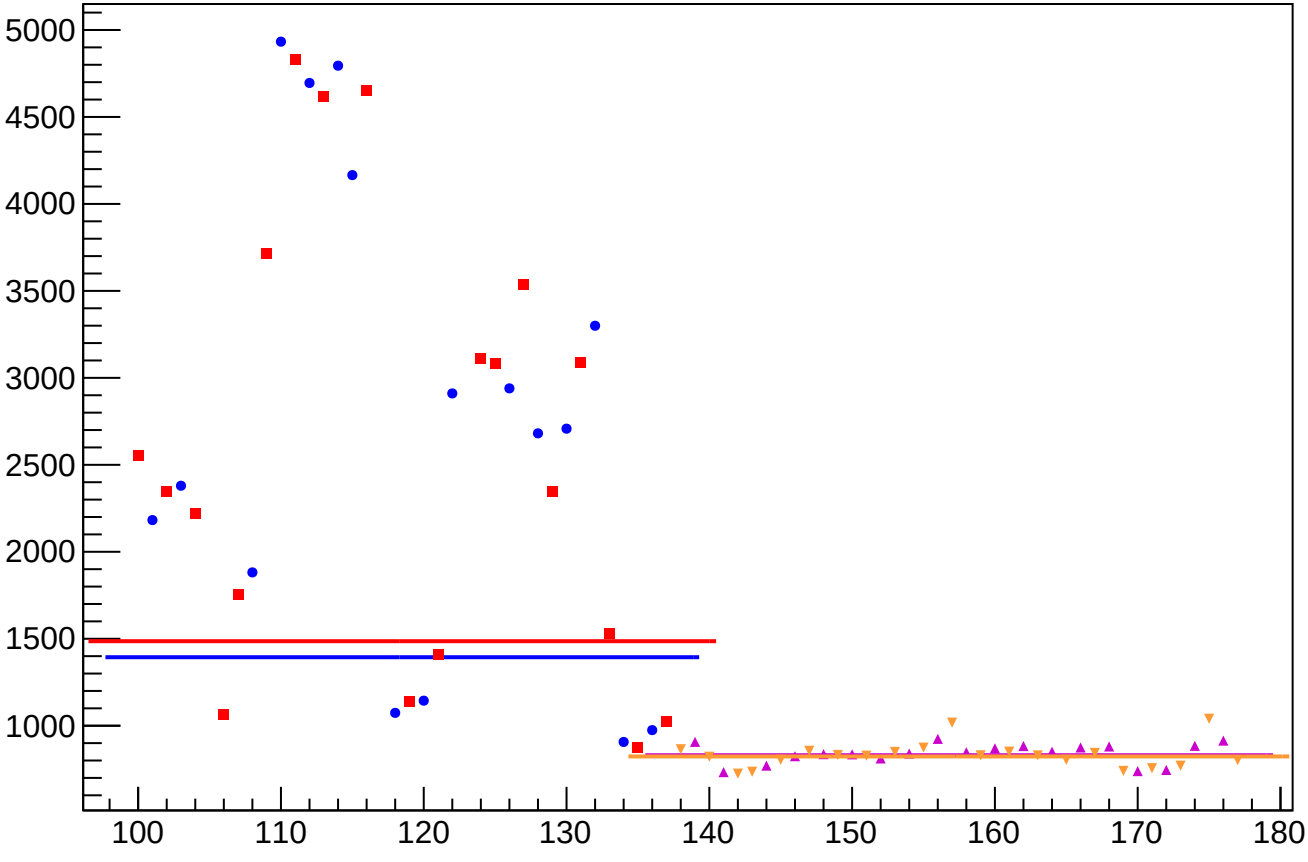
Left In: 0.052+/-0.212 χ^2/NDF:32.1/18

+ sign 0.271+/-0.192 χ^2/NDF: 37.4/36

All: 0.141+/-0.139 χ^2/NDF: 99.1/74

- sign -0.000+/-0.201 χ^2/NDF: 60.7/37

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 823.356+/-0.144 χ^2/NDF:231597.3/20

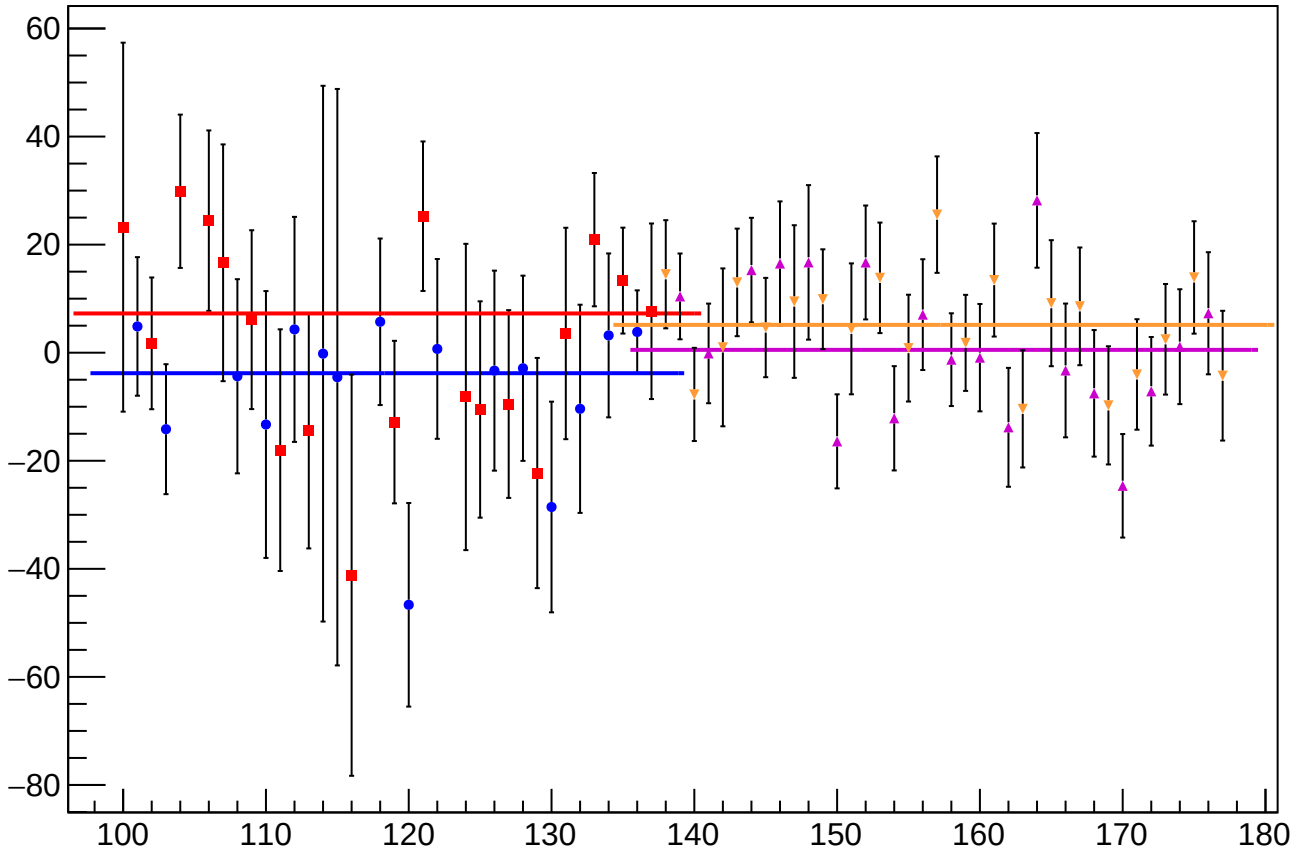
Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 830.367+/-0.150 χ^2/NDF:153373.0/18

+ sign 881.932+/-0.136 χ^2/NDF: 5234737.8/36

All: 888.788+/-0.098 χ^2/NDF: 10716619.1/74

- sign 896.279+/-0.142 χ^2/NDF: 5476560.5/37



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.149+/-2.284 χ^2/NDF:15.8/20

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

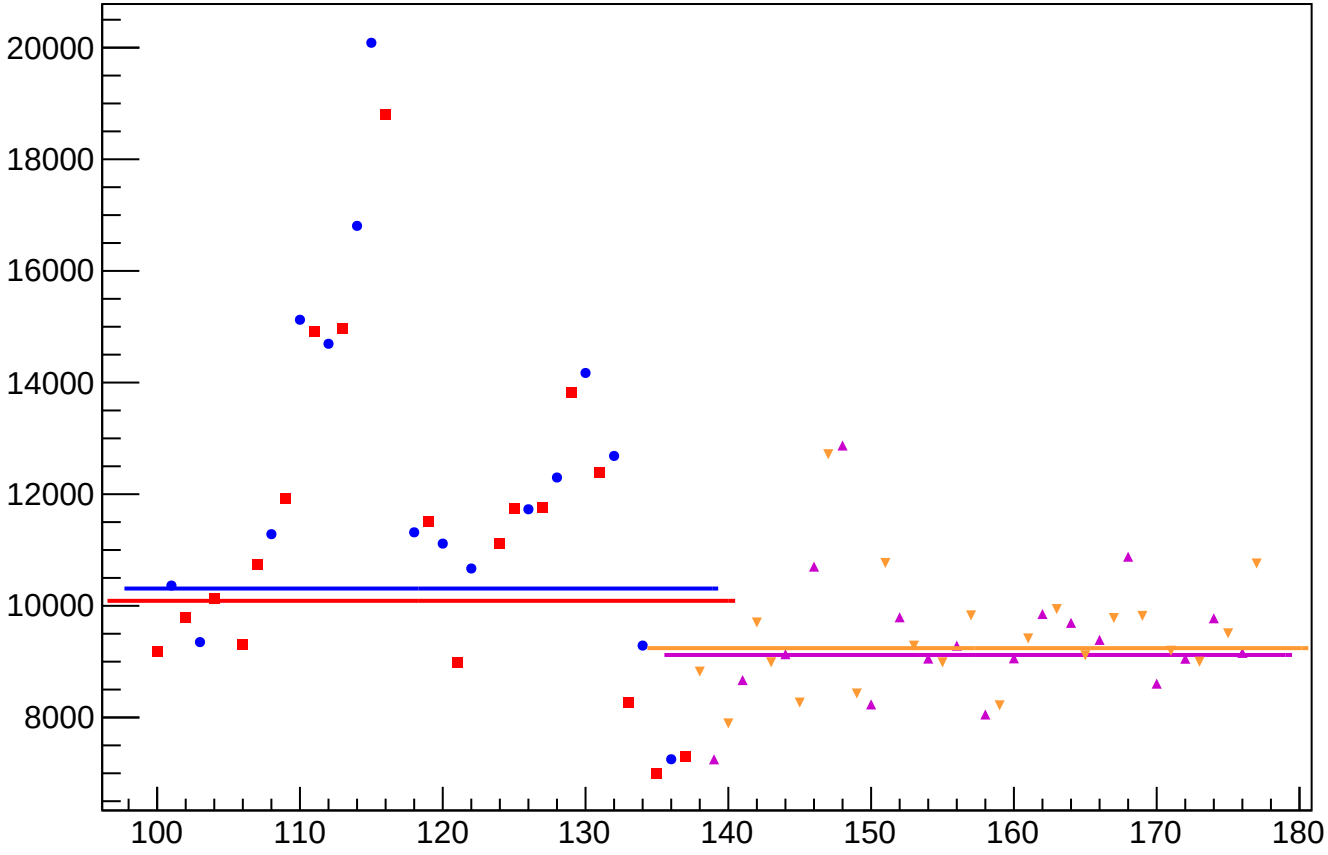
Left In: 0.526+/-2.338 χ^2/NDF:30.5/18

+ sign 2.902+/-1.976 χ^2/NDF: 29.7/36

All: 2.639+/-1.403 χ^2/NDF: 79.7/74

- sign 2.372+/-1.992 χ^2/NDF: 50.0/37

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9242.032+/-1.615 χ^2/NDF:334265.5/20

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

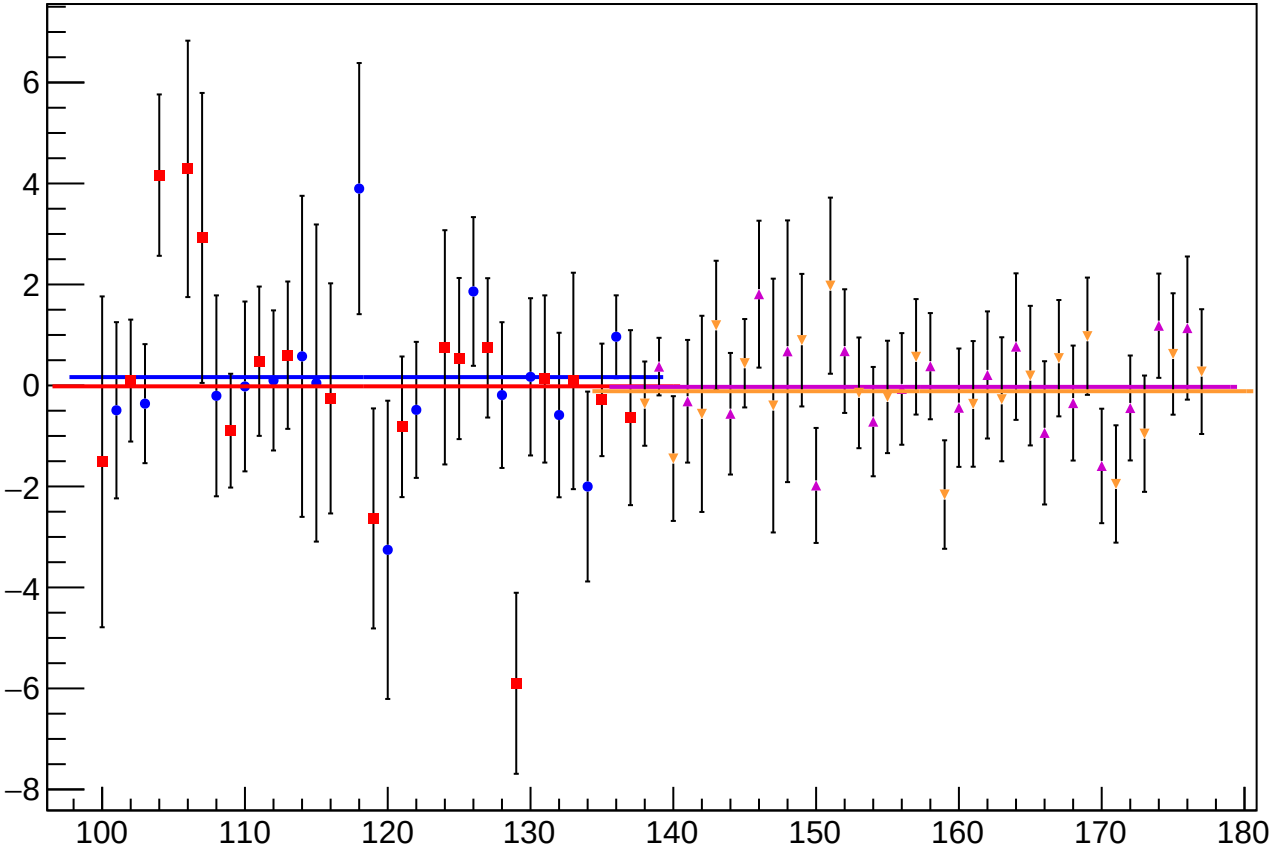
Left In: 9119.715+/-1.653 χ^2/NDF:424595.7/18

+ sign 9510.272+/-1.397 χ^2/NDF: 1214640.5/36

All: 9448.326+/-0.992 χ^2/NDF: 2530241.0/74

- sign 9385.360+/-1.409 χ^2/NDF: 1311637.8/37

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.114+/-0.260 χ^2/NDF:13.6/20

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

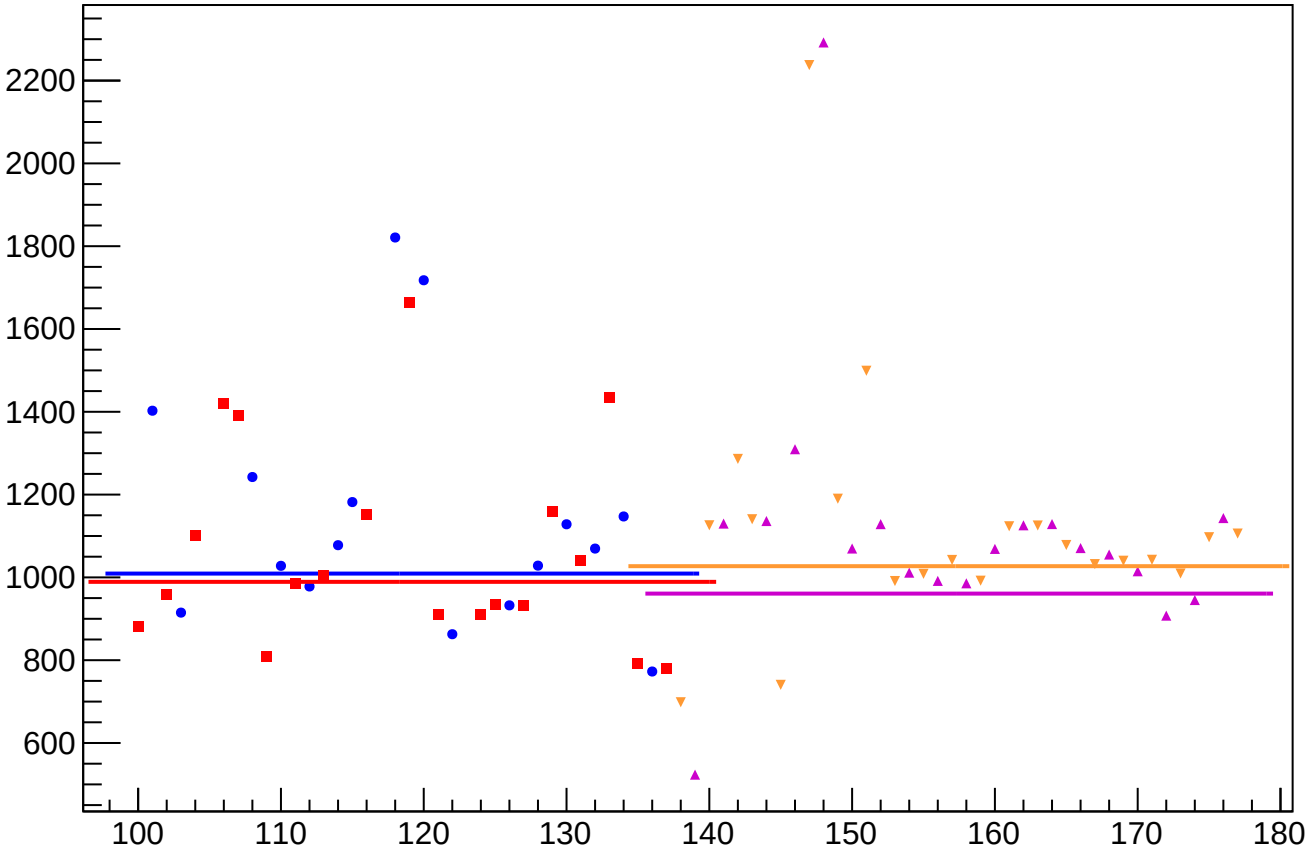
Left In: -0.028+/-0.255 χ^2/NDF:11.3/18

+ sign -0.027+/-0.216 χ^2/NDF: 22.1/36

All: -0.026+/-0.151 χ^2/NDF: 58.6/74

- sign -0.024+/-0.211 χ^2/NDF: 36.5/37

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1027.090+/-0.184 χ^2/NDF:1279075.5/20

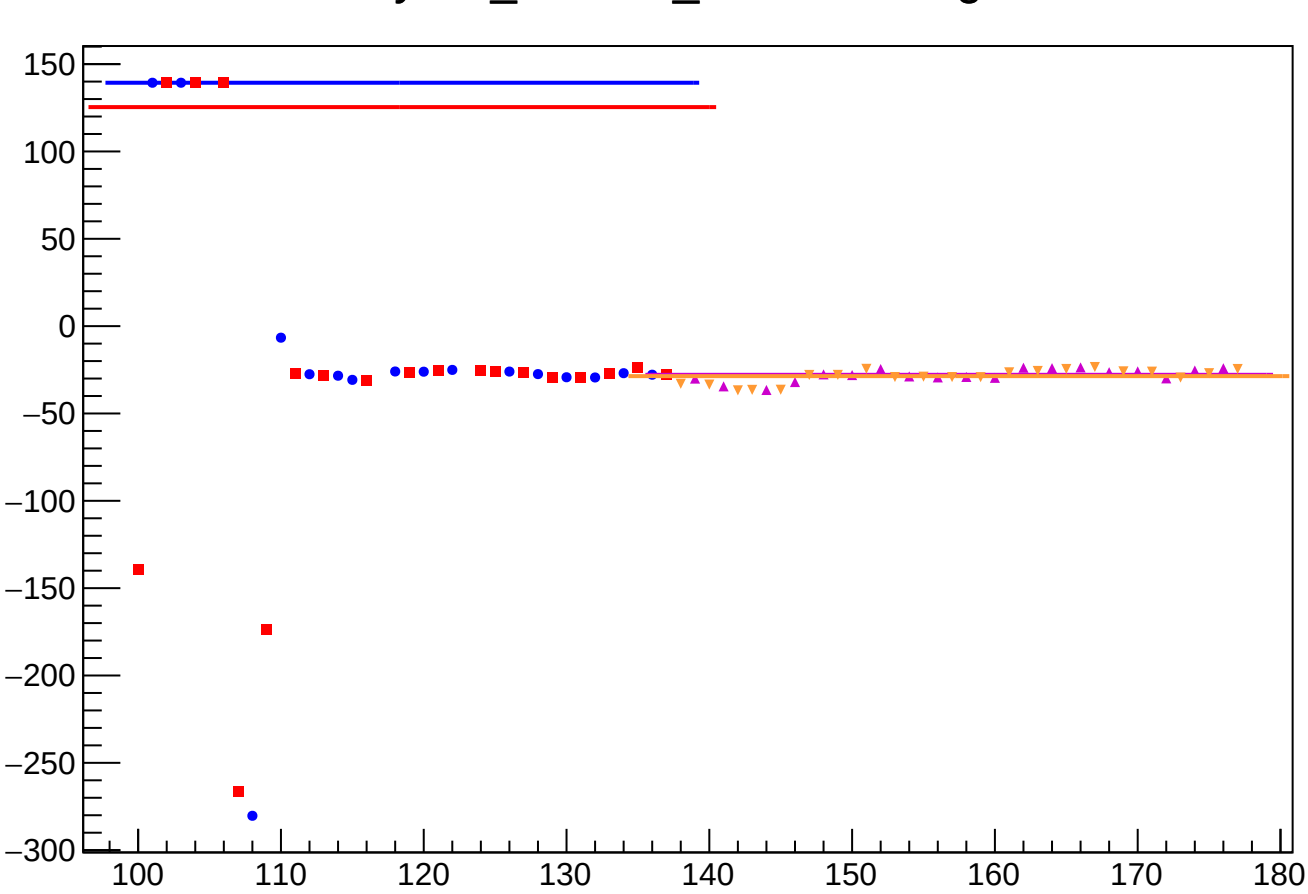
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 960.850+/-0.181 χ^2/NDF:2109947.5/18

+ sign 1021.516+/-0.153 χ^2/NDF: 1981323.5/36

All: 995.111+/-0.107 χ^2/NDF: 4733446.6/74

- sign 969.944+/-0.149 χ^2/NDF: 2693619.1/37



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -28.623+/-0.000 χ^2/NDF:148215539.4/20

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

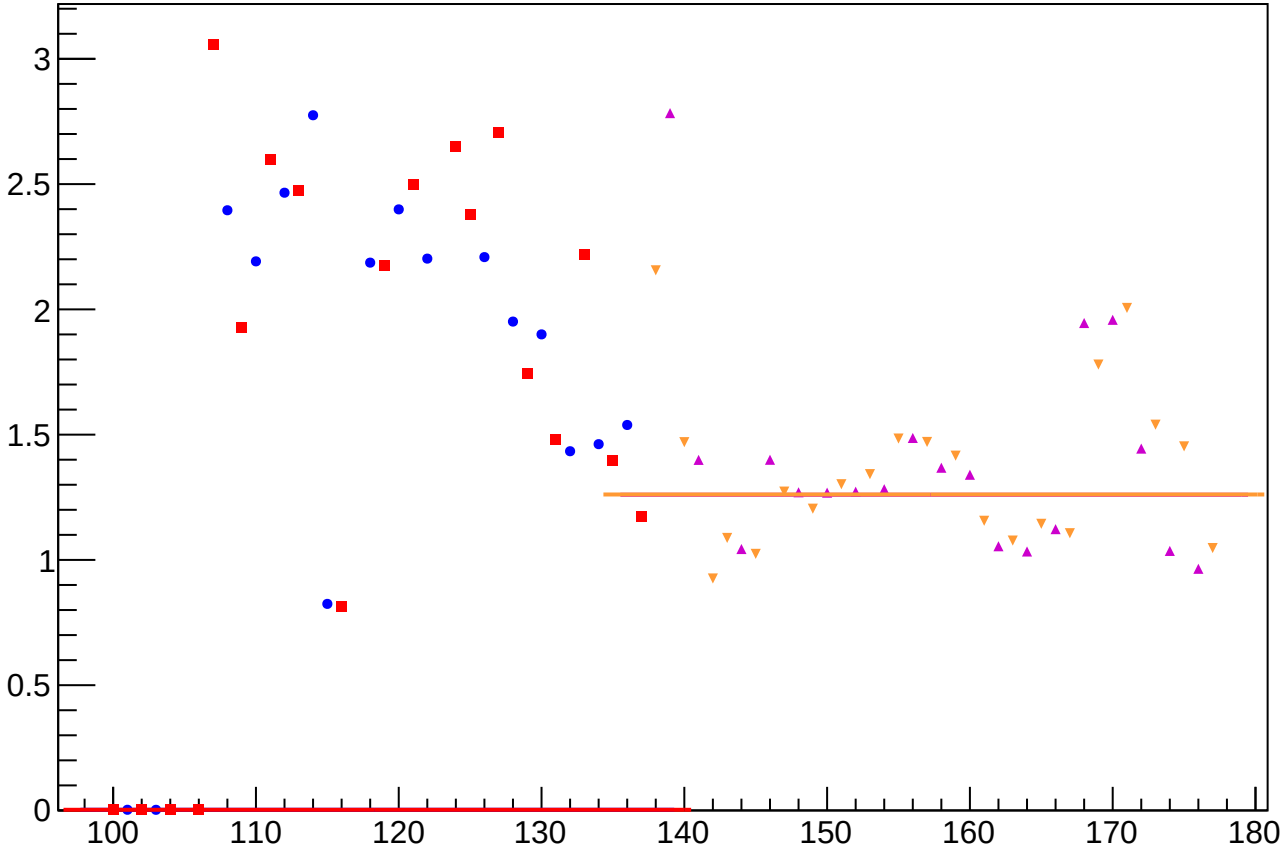
Left In: -27.868+/-0.000 χ^2/NDF:112346880.6/18

+ sign 139.329+/-0.000 χ^2/NDF: 277835805797.4/3

All: 131.812+/-0.000 χ^2/NDF: 79340964919

- sign 125.386+/-0.000 χ^2/NDF: 774351906271631

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.261+/-0.000 χ^2/NDF:1015563.1/20

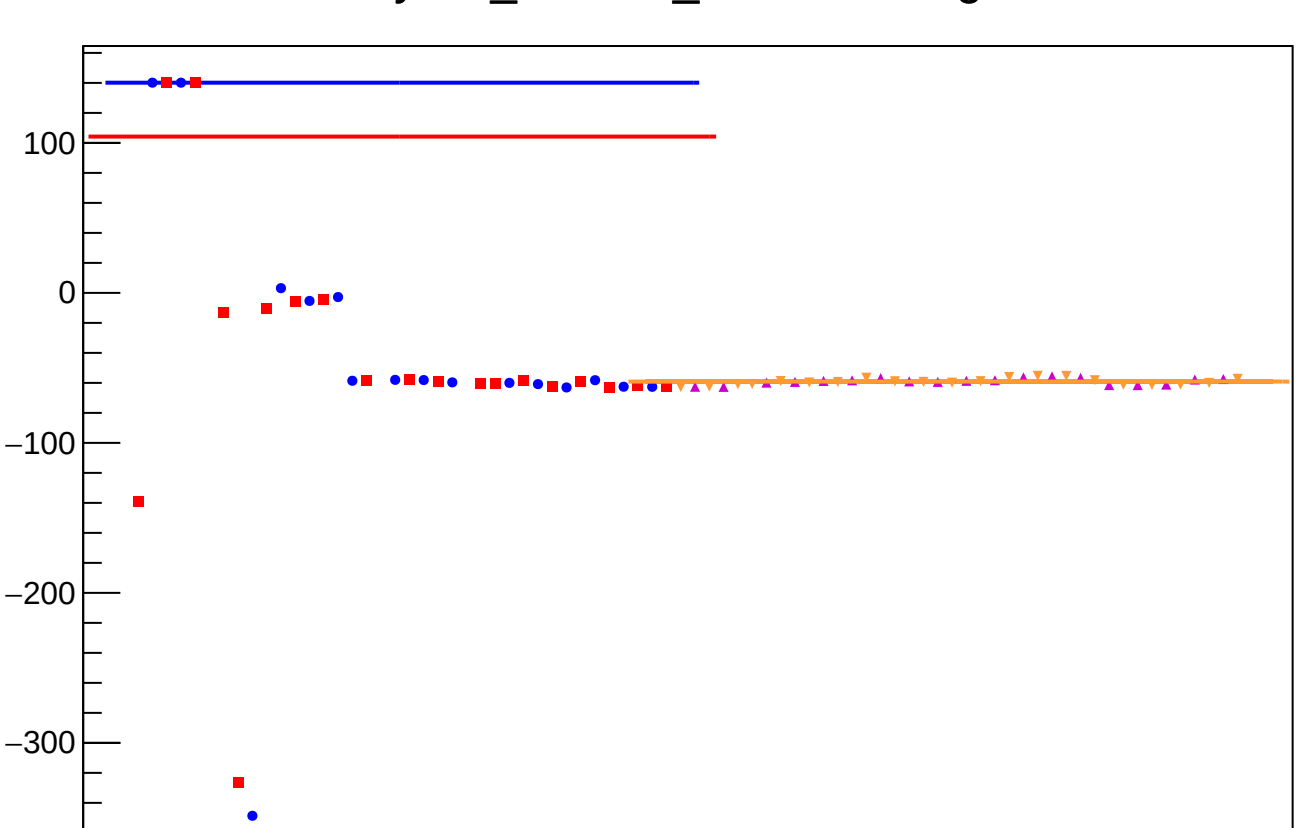
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.260+/-0.000 χ^2/NDF:1269749.1/18

+ sign 0.003+/-0.000 χ^2/NDF: 36473946.3/36

All: 0.003+/-0.000 χ^2/NDF: 71530180.5/74

- sign 0.003+/-0.000 χ^2/NDF: 35055883.5/37



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.124+/-0.000 χ^2/NDF:158123882.8/20

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

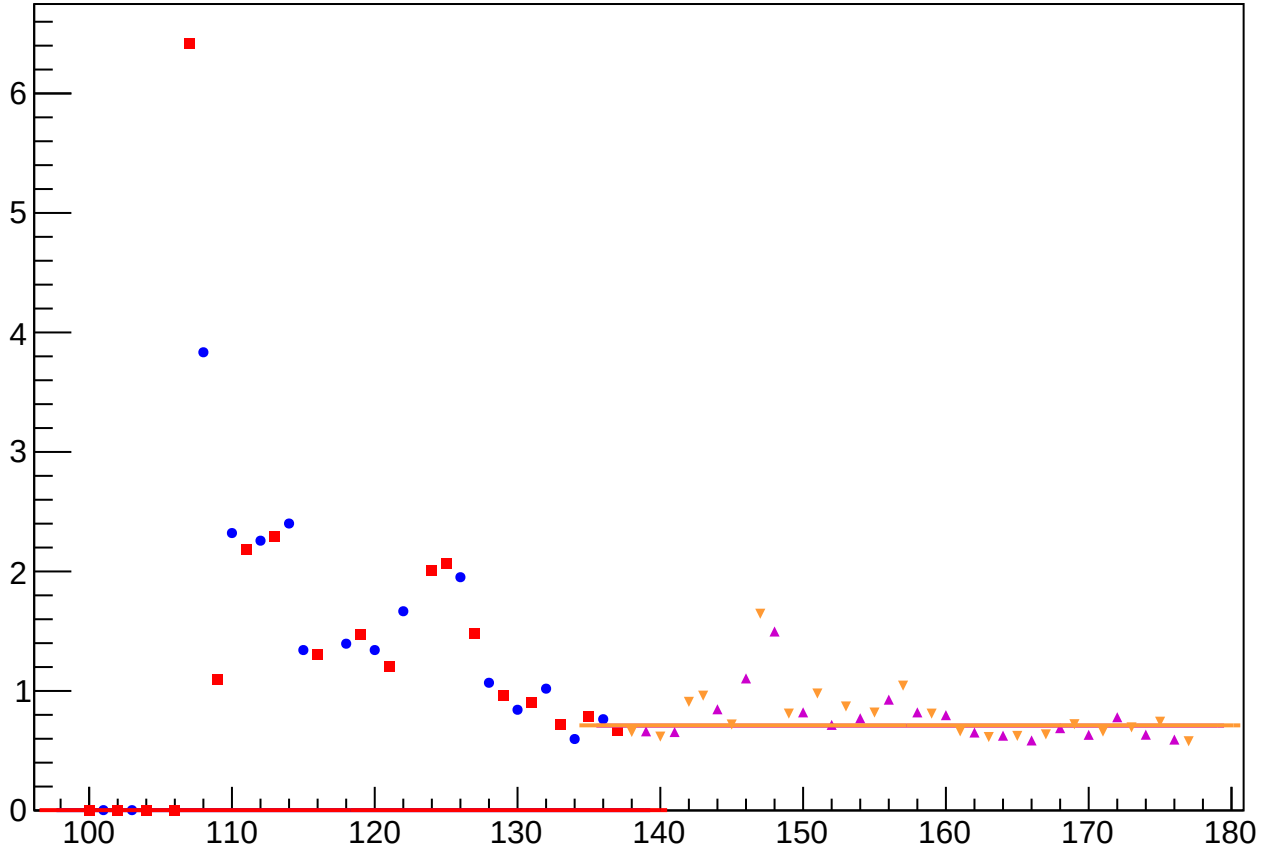
Left In: -59.098+/-0.000 χ^2/NDF:133093622.2/18

+ sign 140.113+/-0.000 χ^2/NDF: 1252417315488.6

All: 120.807+/-0.000 χ^2/NDF: 13825827699

- sign 104.204+/-0.000 χ^2/NDF: 125807628094916

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.712+/-0.000 χ^2/NDF:1122603.6/20

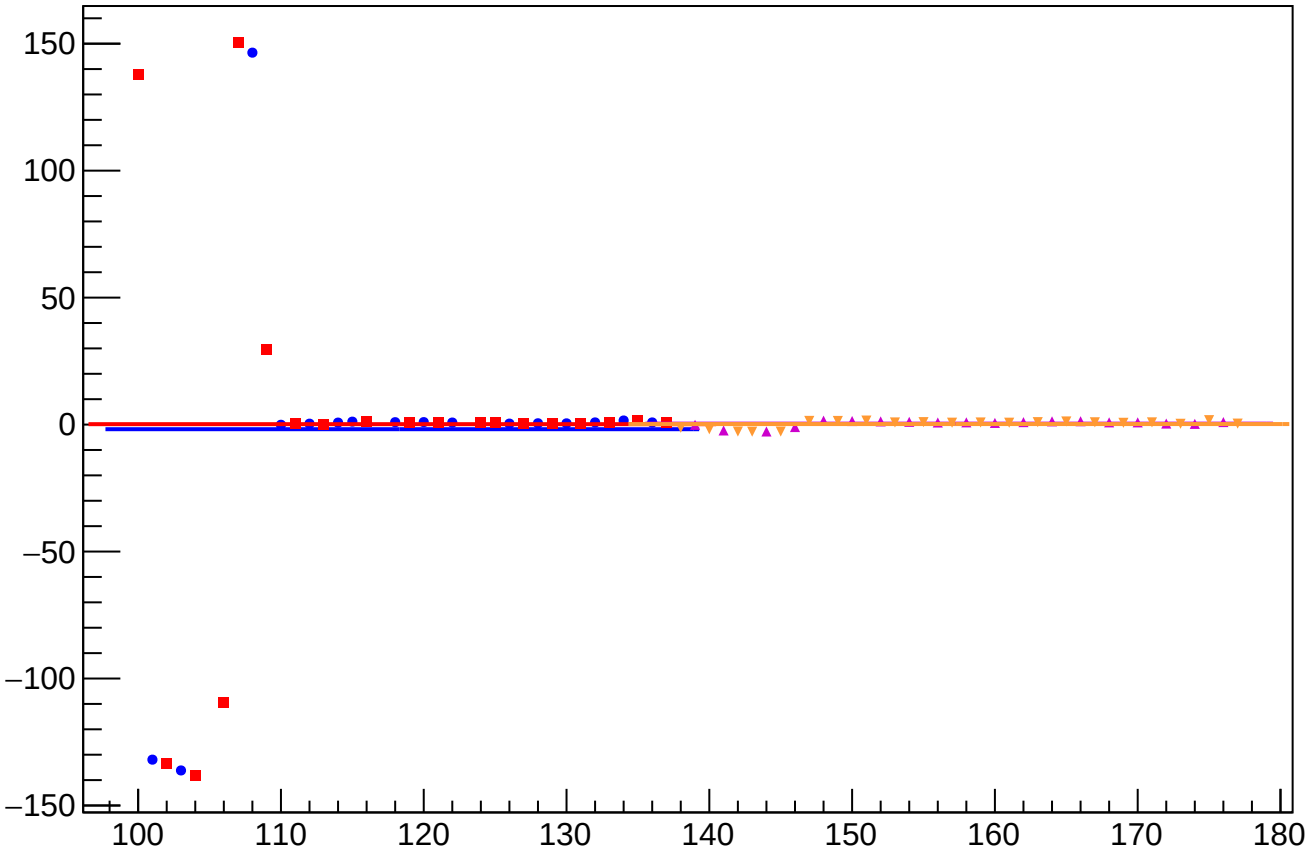
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.710+/-0.000 χ^2/NDF:931618.0/18

+ sign 0.003+/-0.000 χ^2/NDF: 38695773.8/36

All: 0.003+/-0.000 χ^2/NDF: 75163533.8/74

- sign 0.003+/-0.000 χ^2/NDF: 36467213.7/37



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.207+/-0.000 χ^2/NDF:107318277.2/20

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

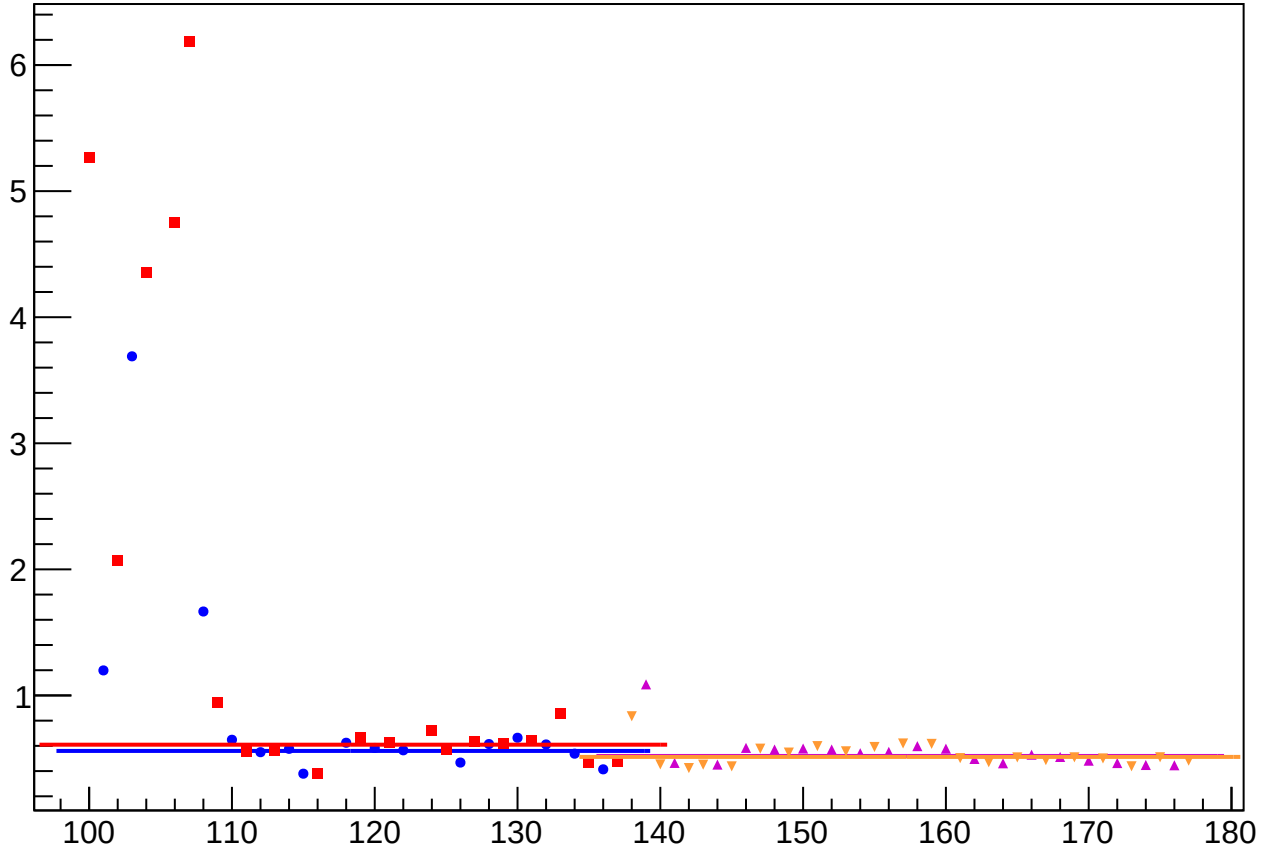
Left In: 0.381+/-0.000 χ^2/NDF:71300403.0/18

+ sign -0.281+/-0.000 χ^2/NDF: 10044705523.1/36

All: 0.007+/-0.000 χ^2/NDF: 13739538644.3/7

- sign 0.332+/-0.000 χ^2/NDF: 3683029241.7/37

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.512+/-0.000 χ^2/NDF:524139.6/20

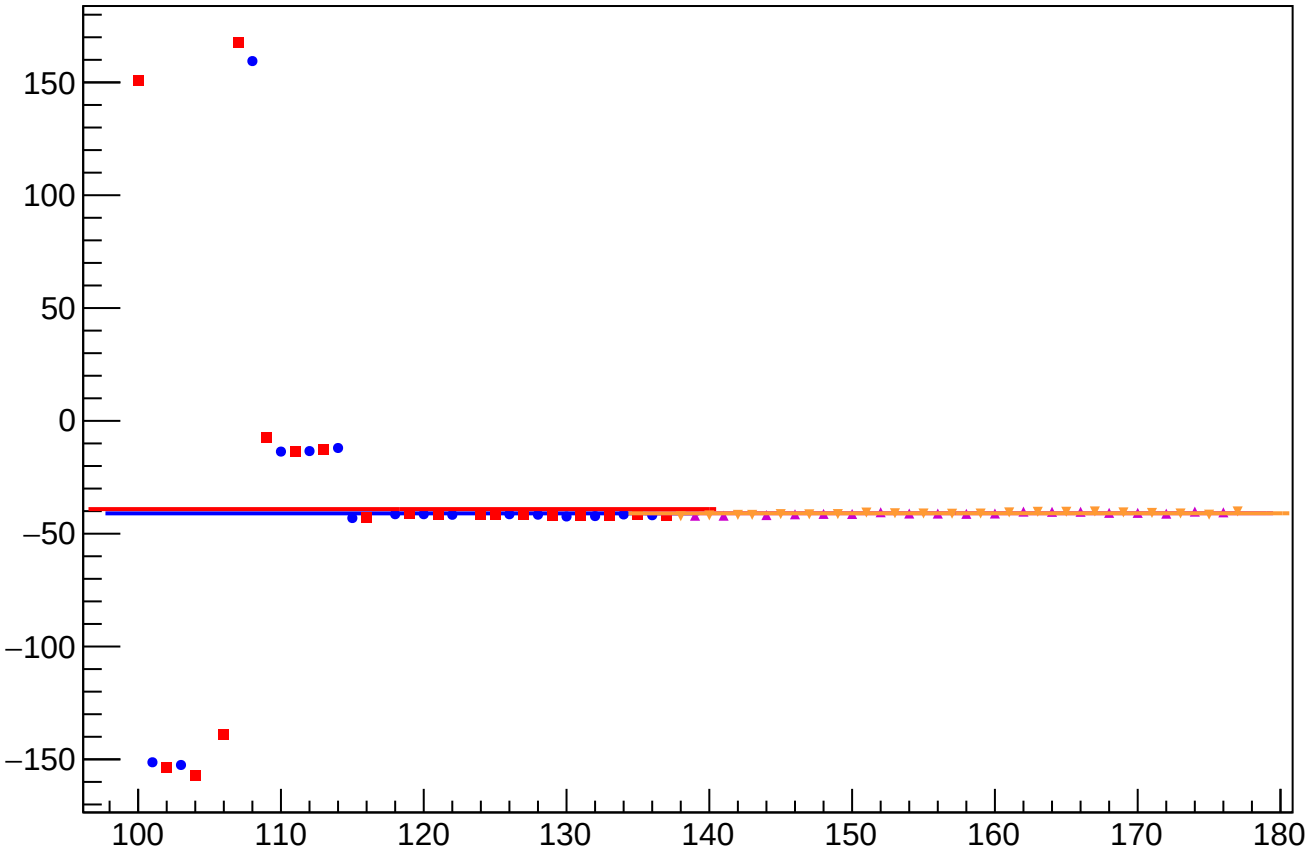
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.520+/-0.000 χ^2/NDF:718777.7/18

+ sign 0.524+/-0.000 χ^2/NDF: 2177611.7/36

All: 0.531+/-0.000 χ^2/NDF: 5554756.2/74

- sign 0.540+/-0.000 χ^2/NDF: 3360515.4/37



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -40.956+/-0.000 χ^2/NDF:40836777.9/20

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

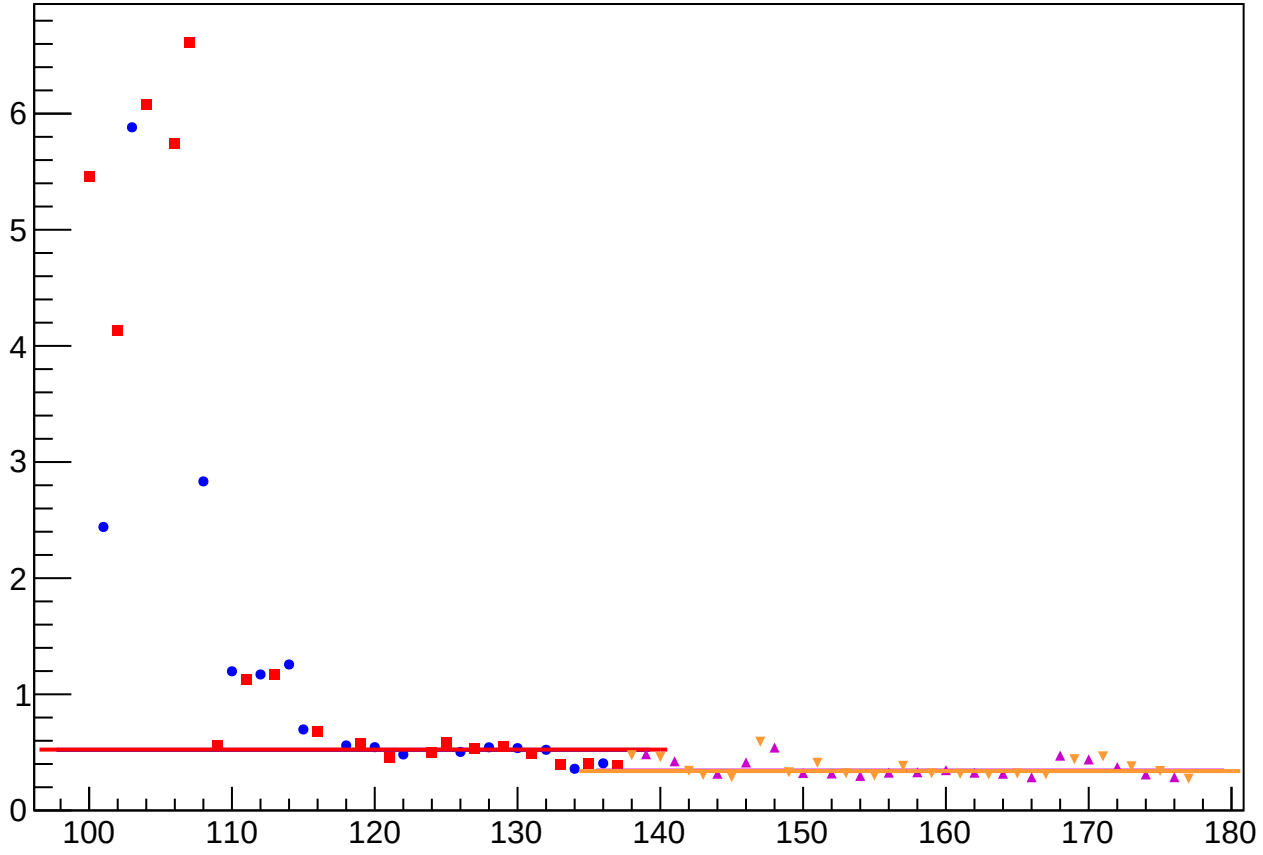
Left In: -40.925+/-0.000 χ^2/NDF:34059053.0/18

+ sign -40.960+/-0.000 χ^2/NDF: 3490474096.7/36

All: -40.831+/-0.000 χ^2/NDF: 6061838586.0/

- sign -40.690+/-0.000 χ^2/NDF: 2566065842.7/37

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.339+/-0.000 χ^2/NDF:1023421.9/20

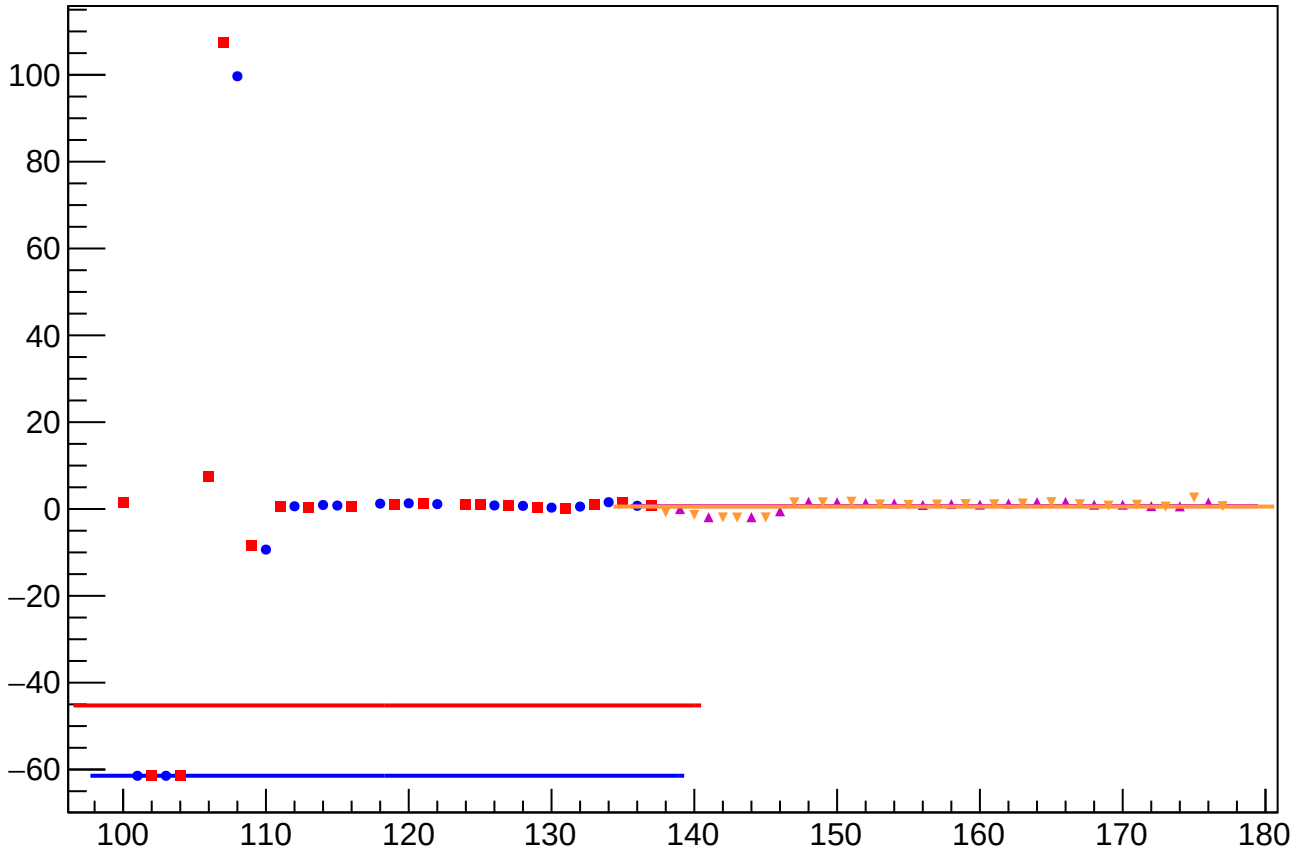
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.343+/-0.000 χ^2/NDF:844174.3/18

+ sign 0.361+/-0.000 χ^2/NDF: 5056309.6/36

All: 0.364+/-0.000 χ^2/NDF: 10186682.6/74

- sign 0.367+/-0.000 χ^2/NDF: 5126481.8/37



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.554+/-0.000 χ^2/NDF:119208008.0/20

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

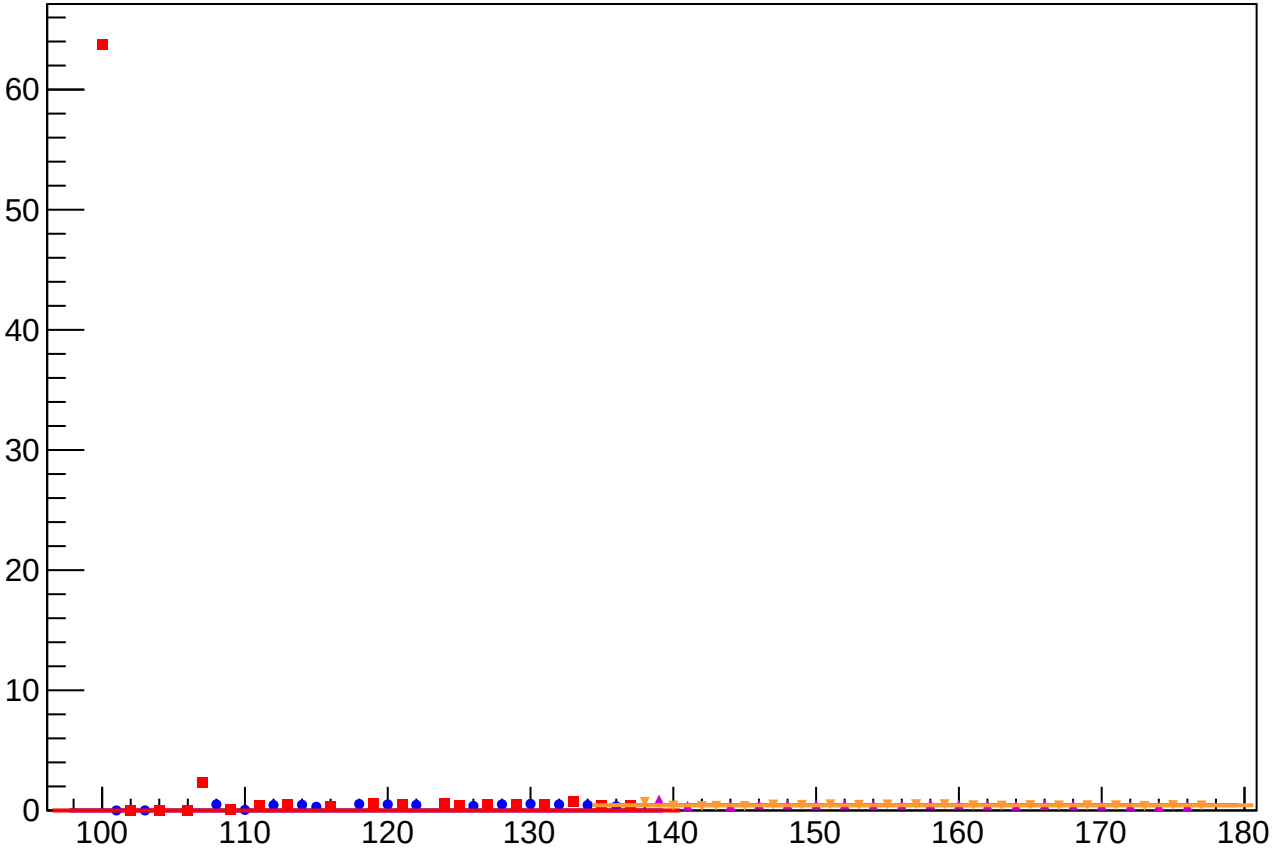
Left In: 0.665+/-0.000 χ^2/NDF:79944604.6/18

+ sign -61.424+/-0.000 χ^2/NDF: 546408245568.0/3

All: -52.740+/-0.000 χ^2/NDF: 409506111454

- sign -45.238+/-0.000 χ^2/NDF: 358005083063049.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.434+/-0.000 χ^2/NDF:512309.2/20

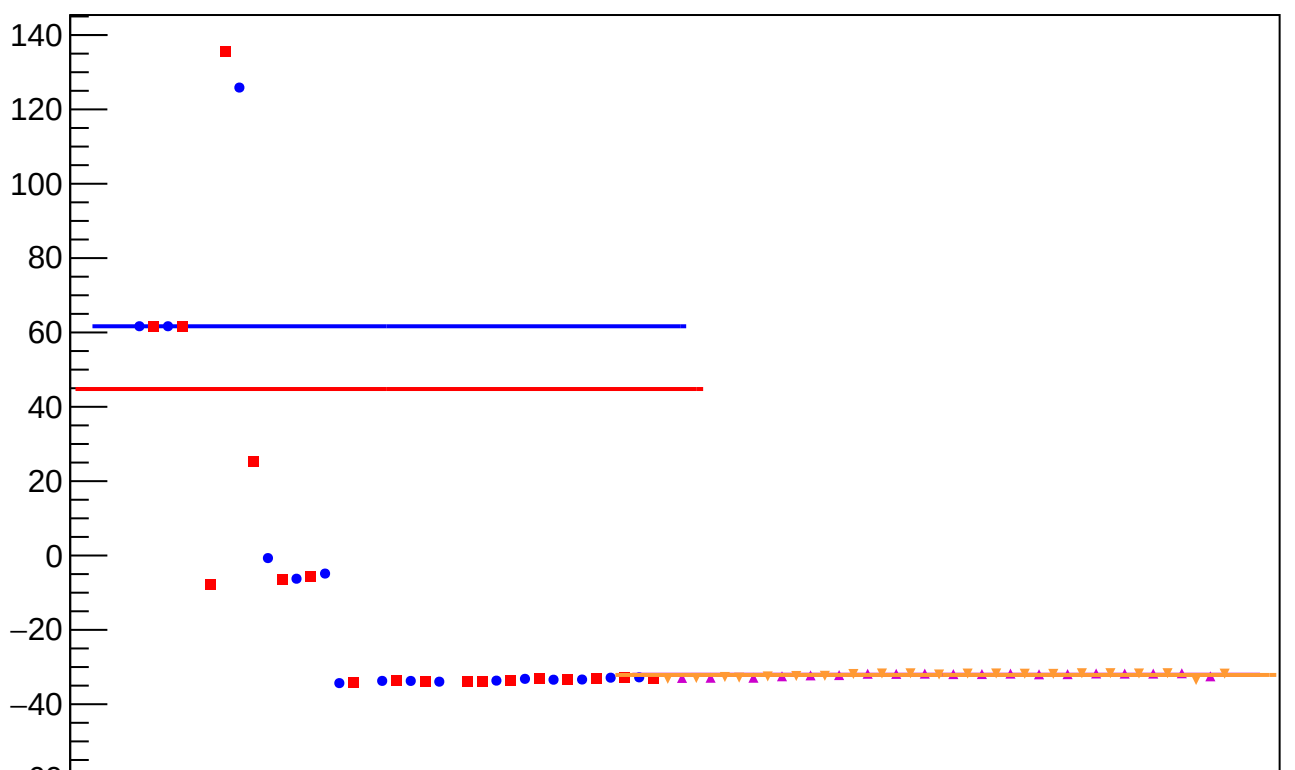
Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.441+/-0.000 χ^2/NDF:684845.9/18

+ sign 0.002+/-0.000 χ^2/NDF: 36237179.1/36

All: 0.002+/-0.000 χ^2/NDF: 71003731.4/74

- sign 0.002+/-0.000 χ^2/NDF: 34766394.9/37



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.126+/-0.000 χ^2/NDF:58324202.1/20

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

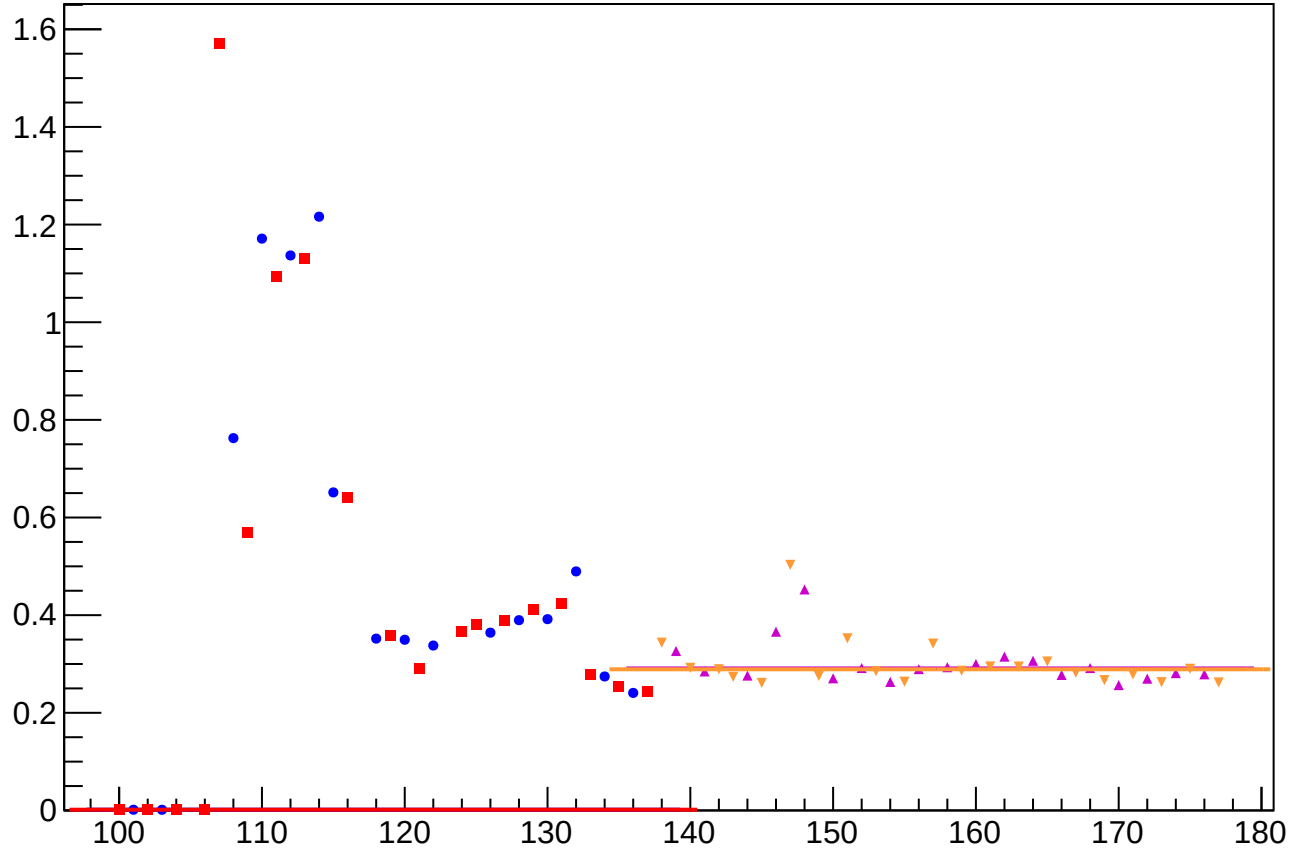
Left In: -32.070+/-0.000 χ^2/NDF:31145675.9/18

+ sign 61.609+/-0.000 χ^2/NDF: 2033919967390.9/3

All: 52.646+/-0.000 χ^2/NDF: 420182499309

- sign 44.751+/-0.000 χ^2/NDF: 367125179642532.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.289+/-0.000 χ^2/NDF:506839.2/20

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

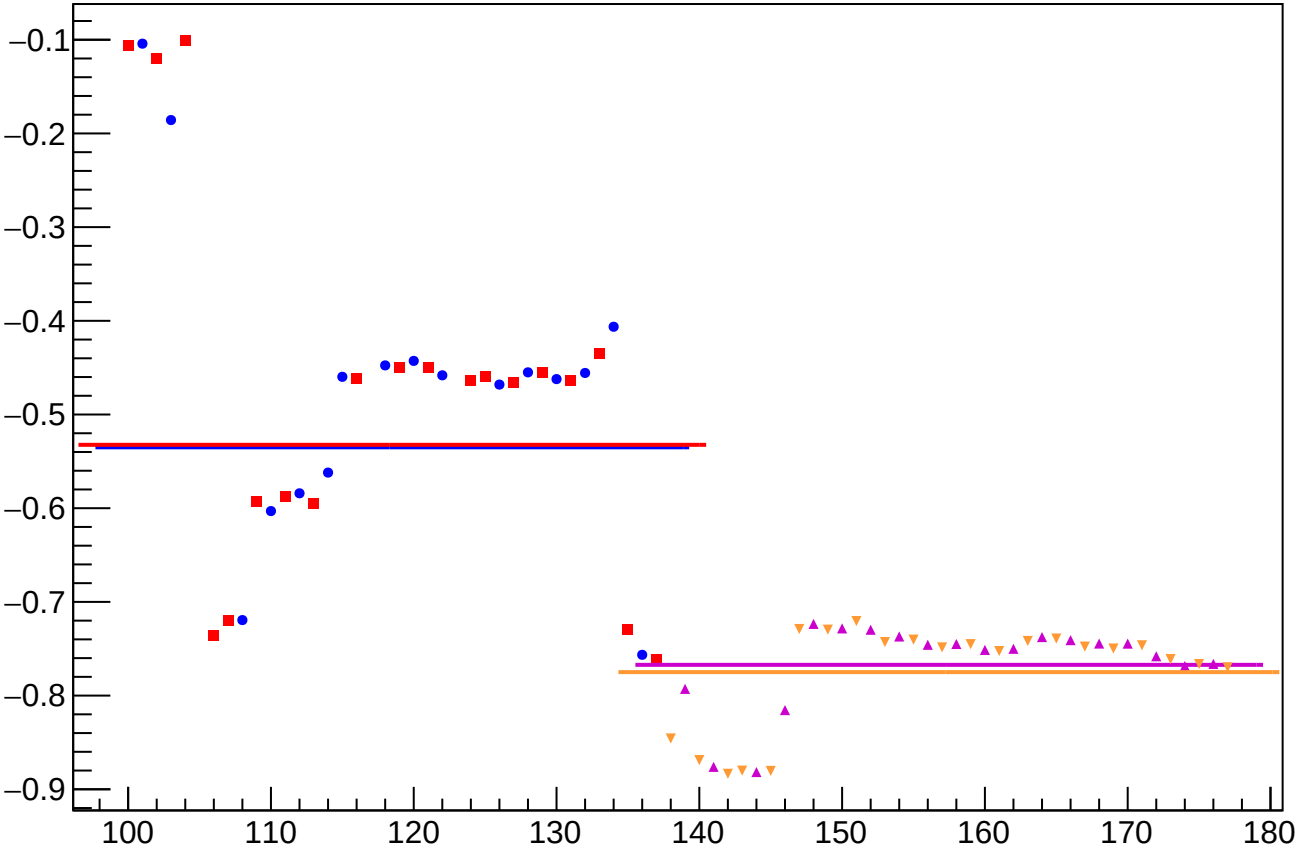
Left In: 0.291+/-0.000 χ^2/NDF:383553.6/18

+ sign 0.002+/-0.000 χ^2/NDF: 42832530.2/36

All: 0.002+/-0.000 χ^2/NDF: 82984772.6/74

- sign 0.002+/-0.000 χ^2/NDF: 40152201.8/37

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.775+/-0.000 χ^2/NDF:112077852.9/20

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

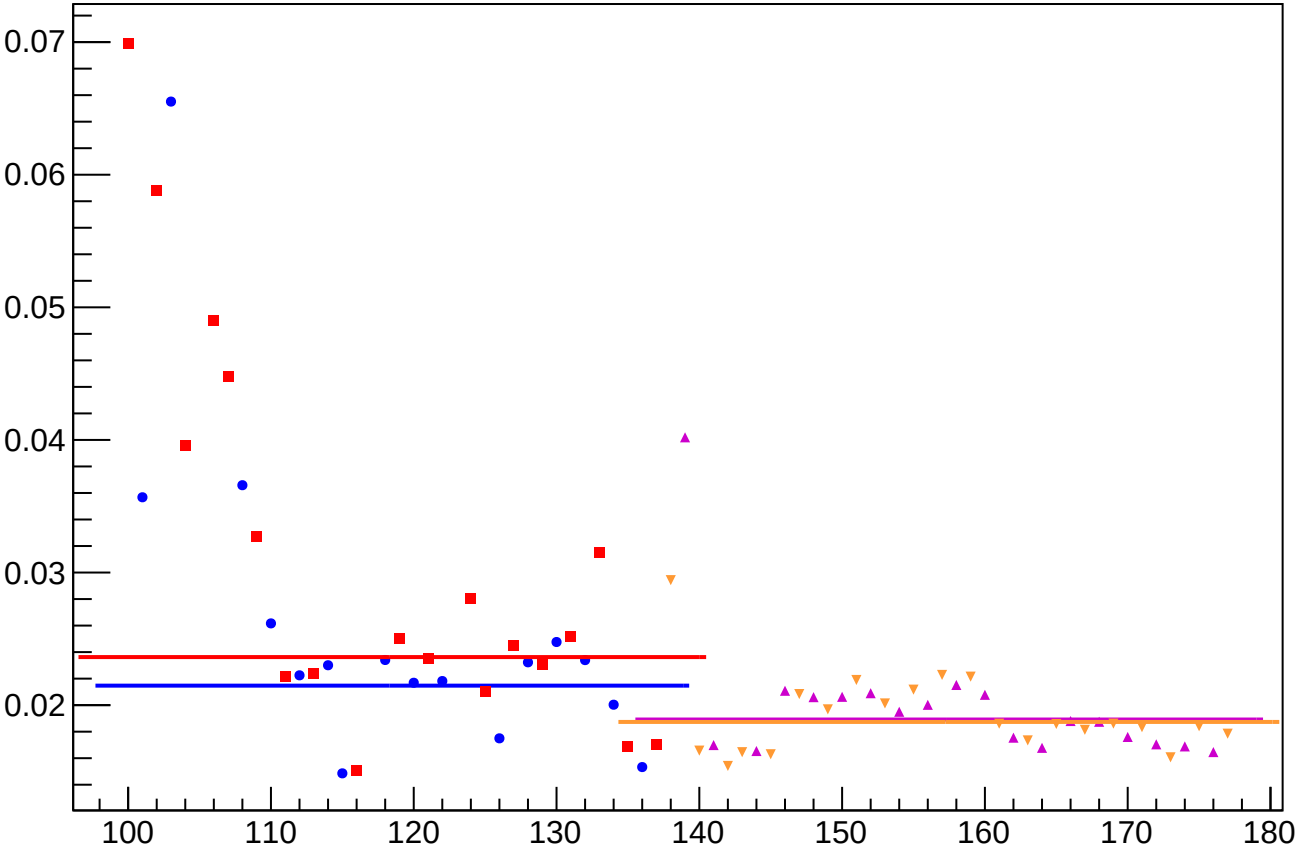
Left In: -0.767+/-0.000 χ^2/NDF:77630111.0/18

+ sign -0.719+/-0.000 χ^2/NDF: 925387044.4/36

All: -0.717+/-0.000 χ^2/NDF: 1645150665.7/7

- sign -0.715+/-0.000 χ^2/NDF: 719358448.4/37

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:455590.8/20

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

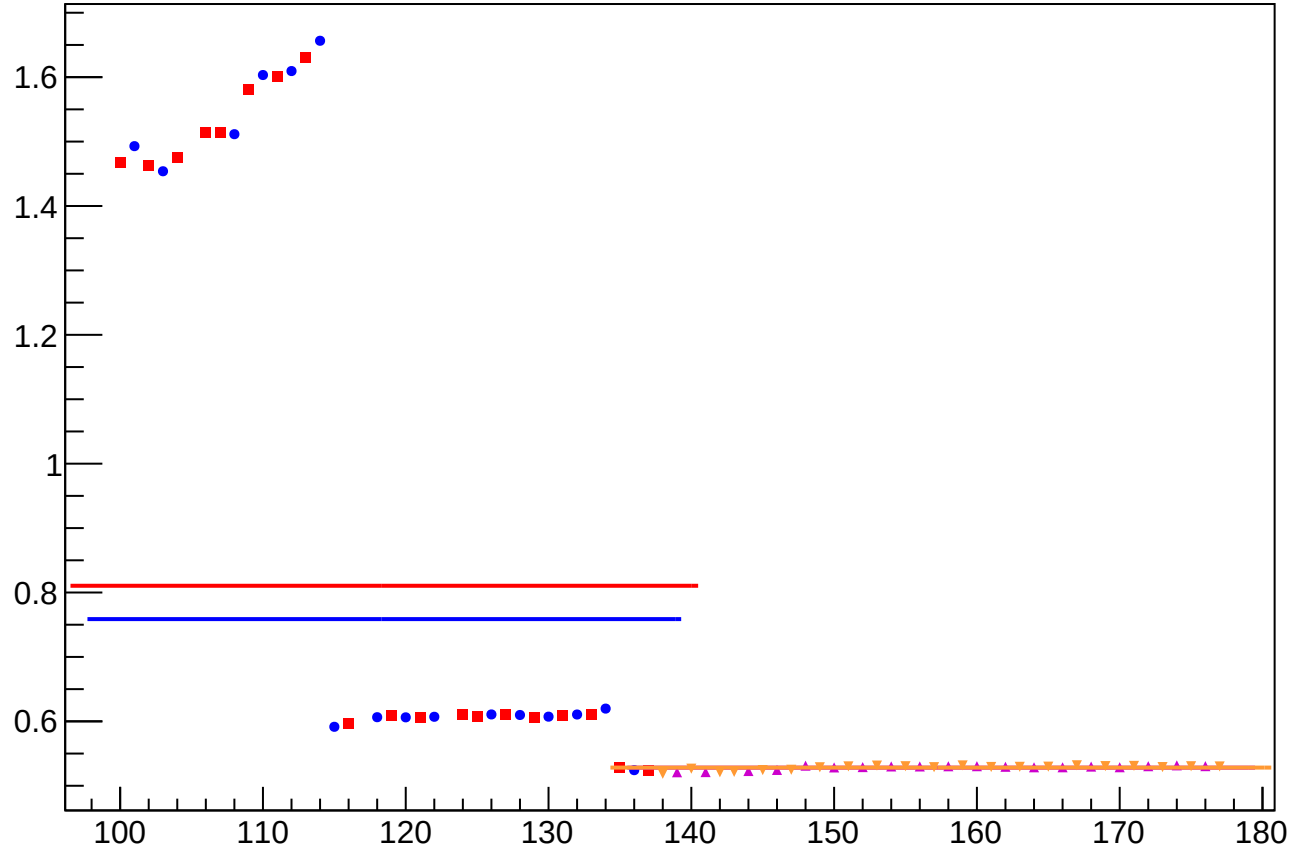
Left In: 0.019+/-0.000 χ^2/NDF:691177.0/18

+ sign 0.019+/-0.000 χ^2/NDF: 1742929.8/36

All: 0.020+/-0.000 χ^2/NDF: 4071888.6/74

- sign 0.020+/-0.000 χ^2/NDF: 2312291.0/37

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:1462540.2/20

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

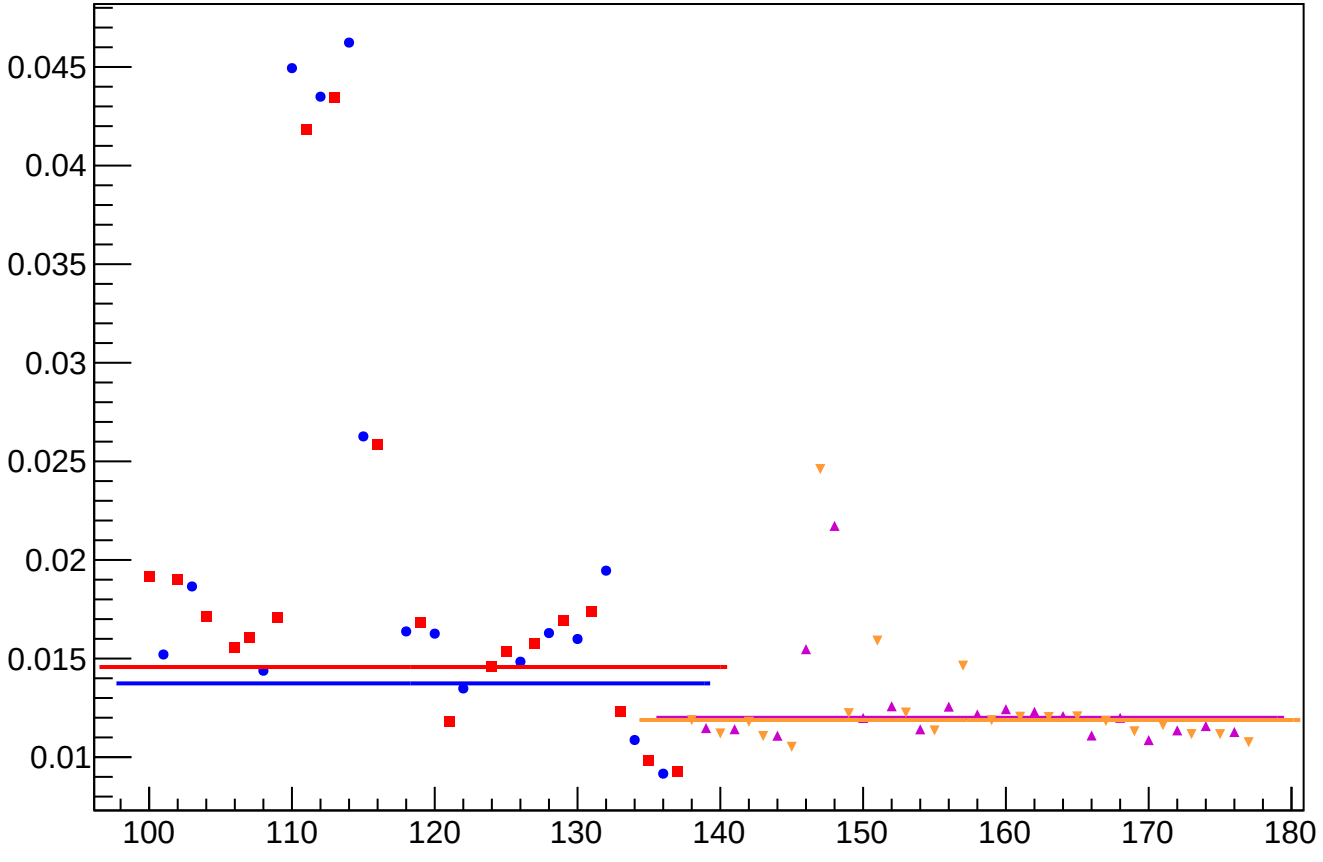
Left In: 0.528+/-0.000 χ^2/NDF:1148754.3/18

+ sign 0.579+/-0.000 χ^2/NDF: 5613608422.4/36

All: 0.584+/-0.000 χ^2/NDF: 12217034940.1/7

- sign 0.591+/-0.000 χ^2/NDF: 6593529215.6/37

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:663171.4/20

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

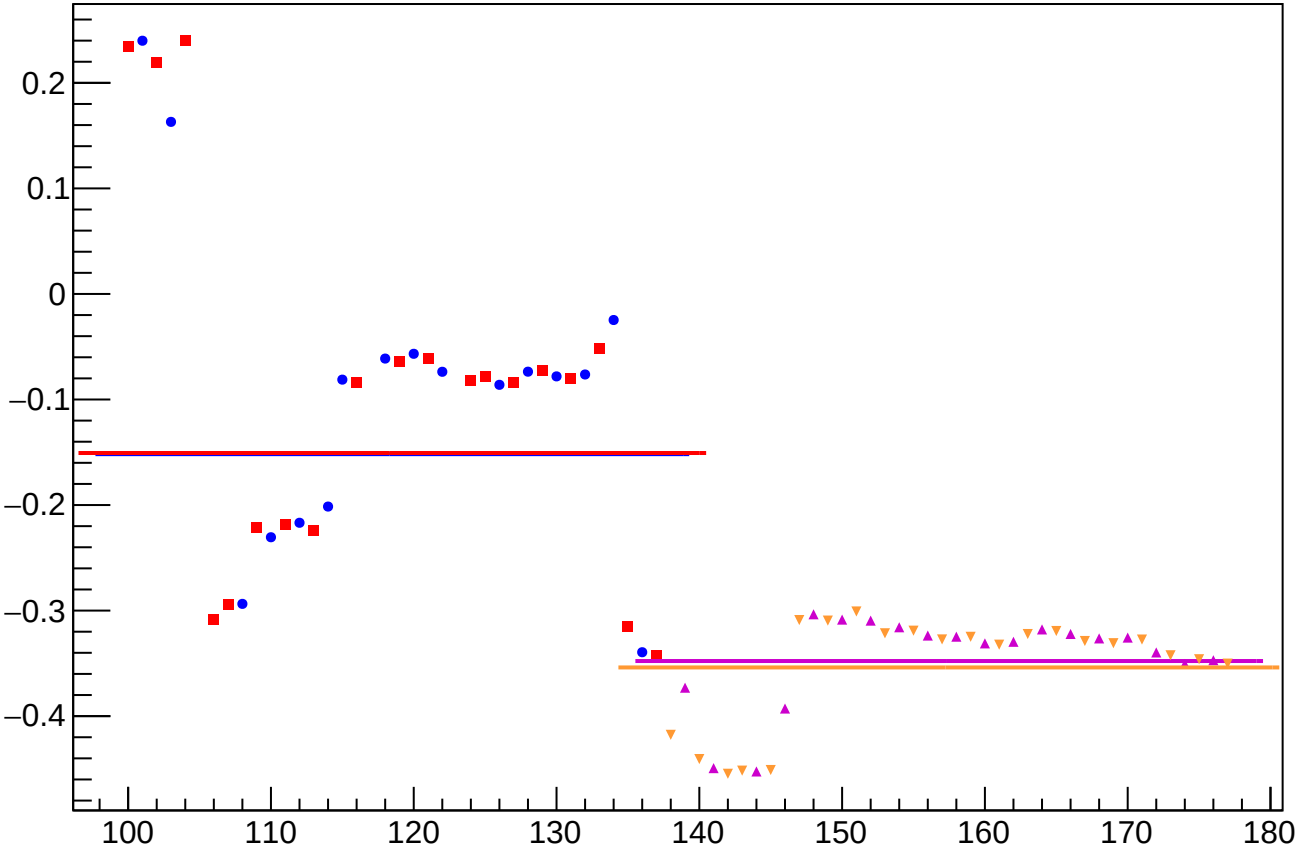
Left In: 0.012+/-0.000 χ^2/NDF:467741.0/18

+ sign 0.012+/-0.000 χ^2/NDF: 2482437.0/36

All: 0.012+/-0.000 χ^2/NDF: 4719121.1/74

- sign 0.013+/-0.000 χ^2/NDF: 2226278.3/37

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.354+/-0.000 χ^2/NDF:107965395.6/20

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

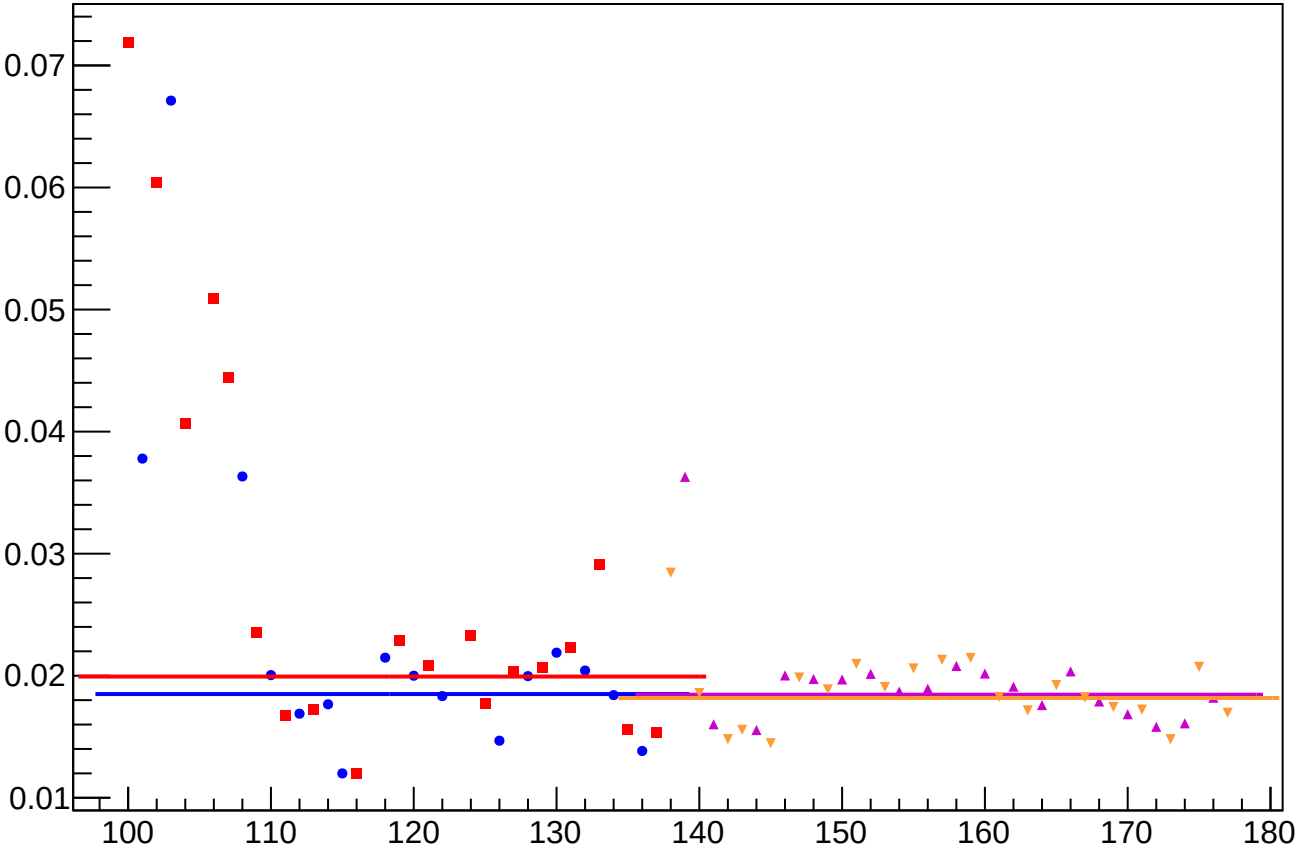
Left In: -0.348+/-0.000 χ^2/NDF:78131213.7/18

+ sign -0.298+/-0.000 χ^2/NDF: 841489439.5/36

All: -0.297+/-0.000 χ^2/NDF: 1507667492.5/7

- sign -0.294+/-0.000 χ^2/NDF: 665736842.5/37

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:545971.4/20

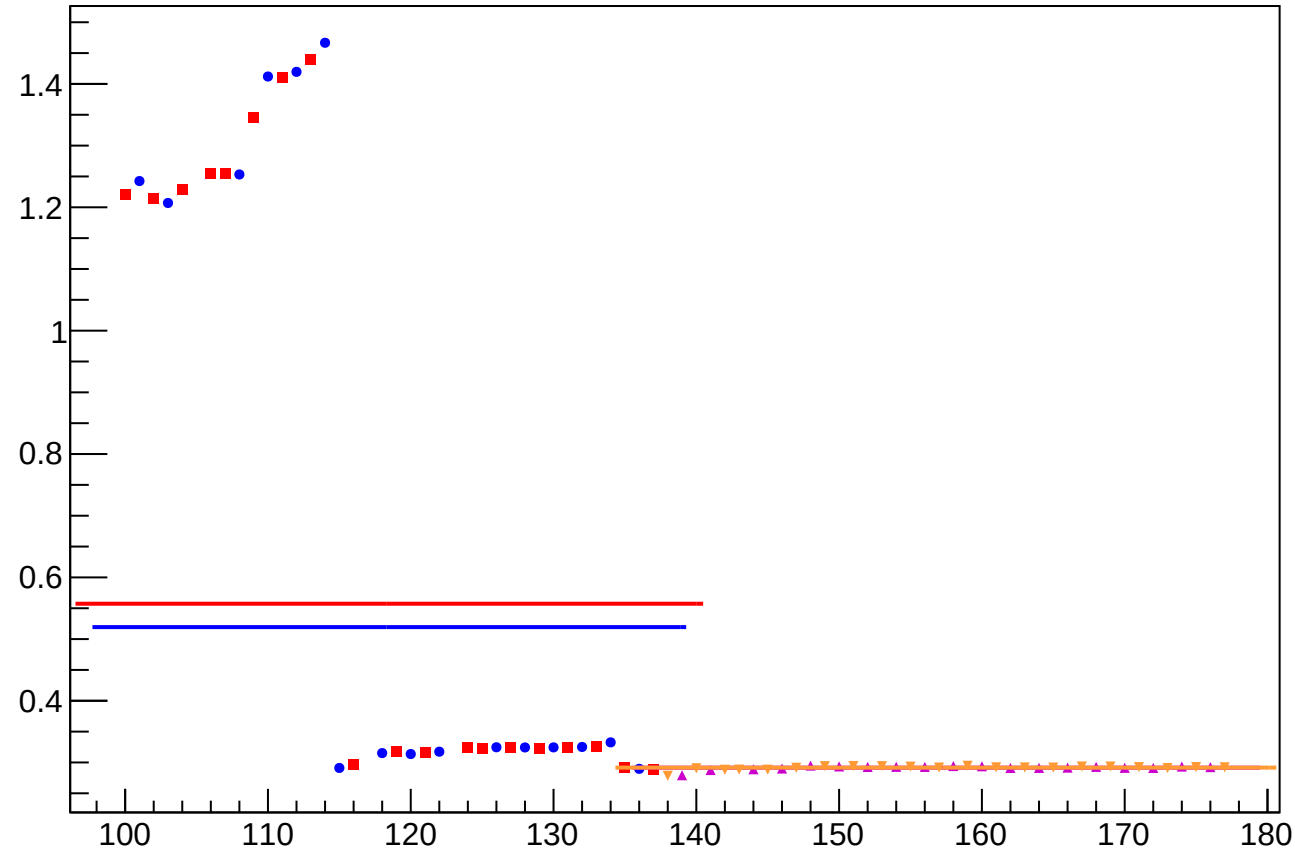
Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.018+/-0.000 χ^2/NDF:635060.2/18

+ sign 0.018+/-0.000 χ^2/NDF: 1920706.0/36

All: 0.019+/-0.000 χ^2/NDF: 4165765.7/74

- sign 0.019+/-0.000 χ^2/NDF: 2226789.9/37



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:1211692.8/20

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

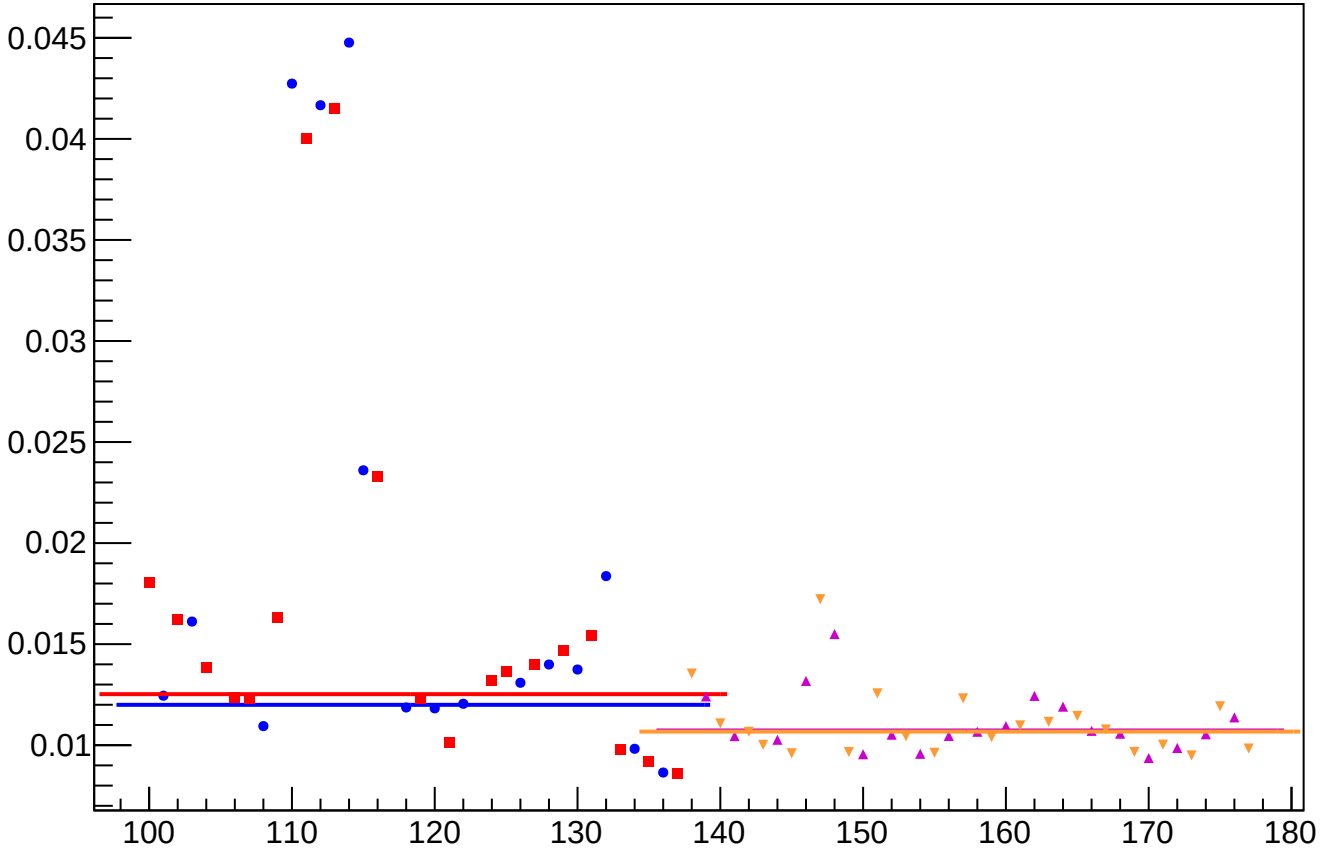
Left In: 0.291+/-0.000 χ^2/NDF:1220327.7/18

+ sign 0.344+/-0.000 χ^2/NDF: 7974977939.2/36

All: 0.349+/-0.000 χ^2/NDF: 16844326927.3/7

- sign 0.354+/-0.000 χ^2/NDF: 8861414091.1/37

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:515310.1/20

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

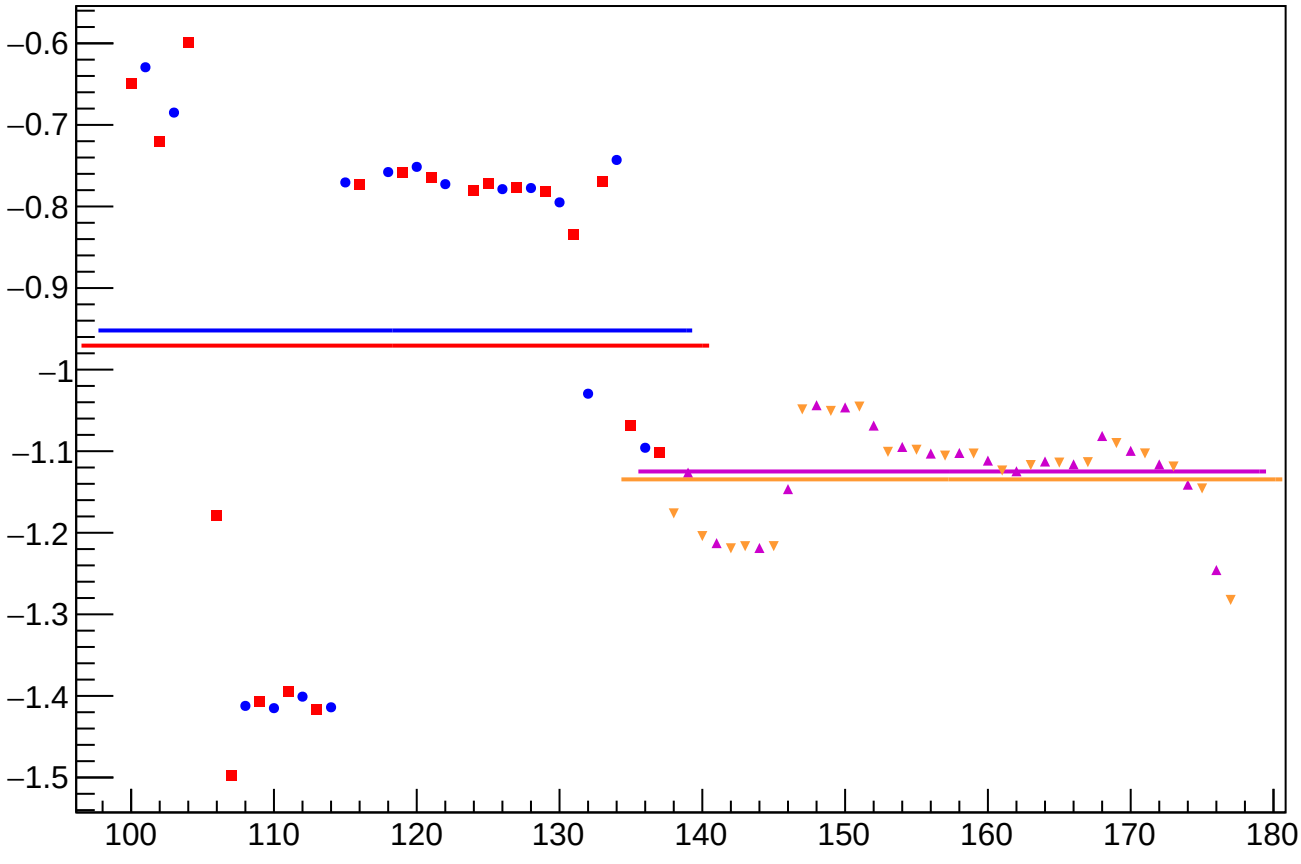
Left In: 0.011+/-0.000 χ^2/NDF:388052.1/18

+ sign 0.011+/-0.000 χ^2/NDF: 2118833.8/36

All: 0.011+/-0.000 χ^2/NDF: 4139500.5/74

- sign 0.011+/-0.000 χ^2/NDF: 2015639.0/37

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.135+/-0.000 χ^2/NDF:152619539.1/20

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

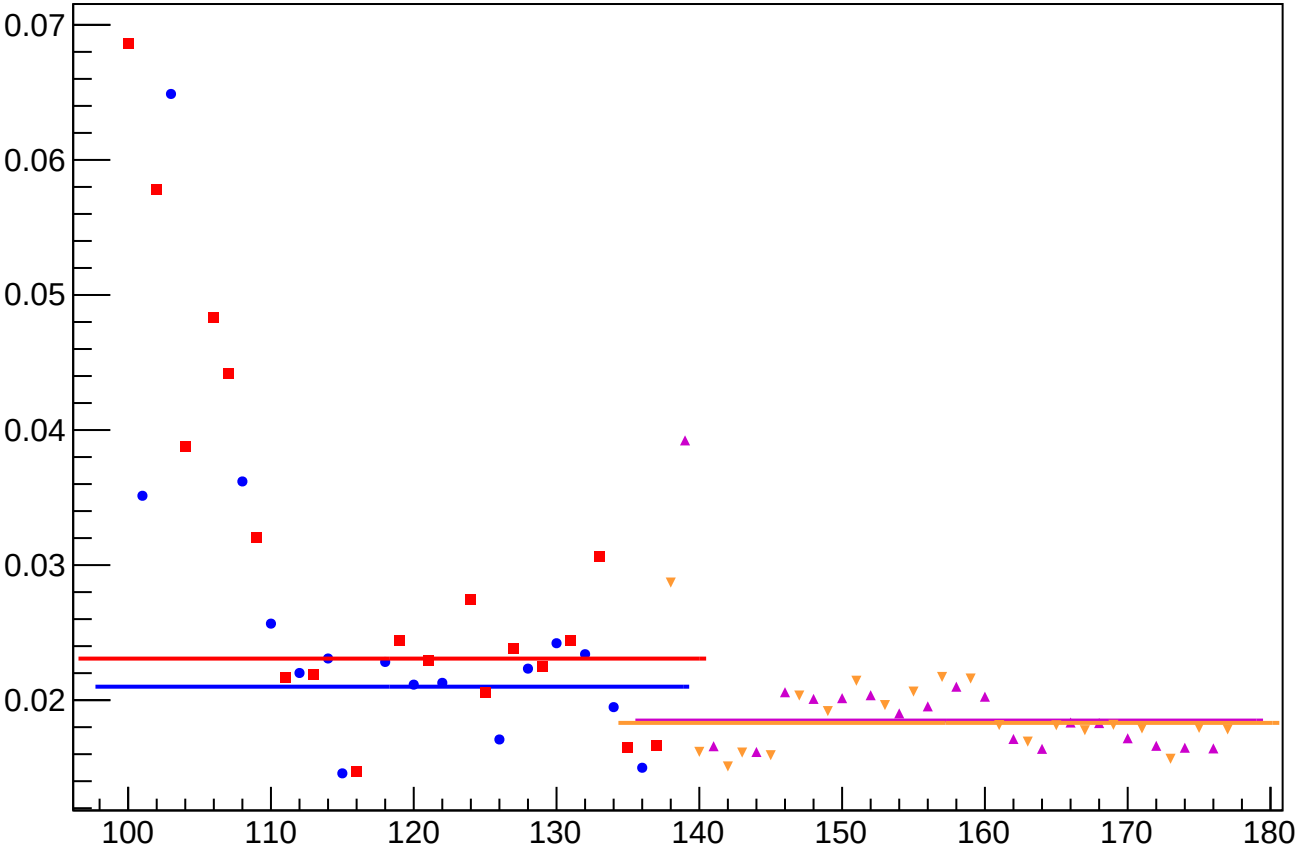
Left In: -1.125+/-0.000 χ^2/NDF:106936172.4/18

+ sign -1.092+/-0.000 χ^2/NDF: 1161914579.0/36

All: -1.091+/-0.000 χ^2/NDF: 2176269733.3/7

- sign -1.090+/-0.000 χ^2/NDF: 1014301474.3/37

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:450390.4/20

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

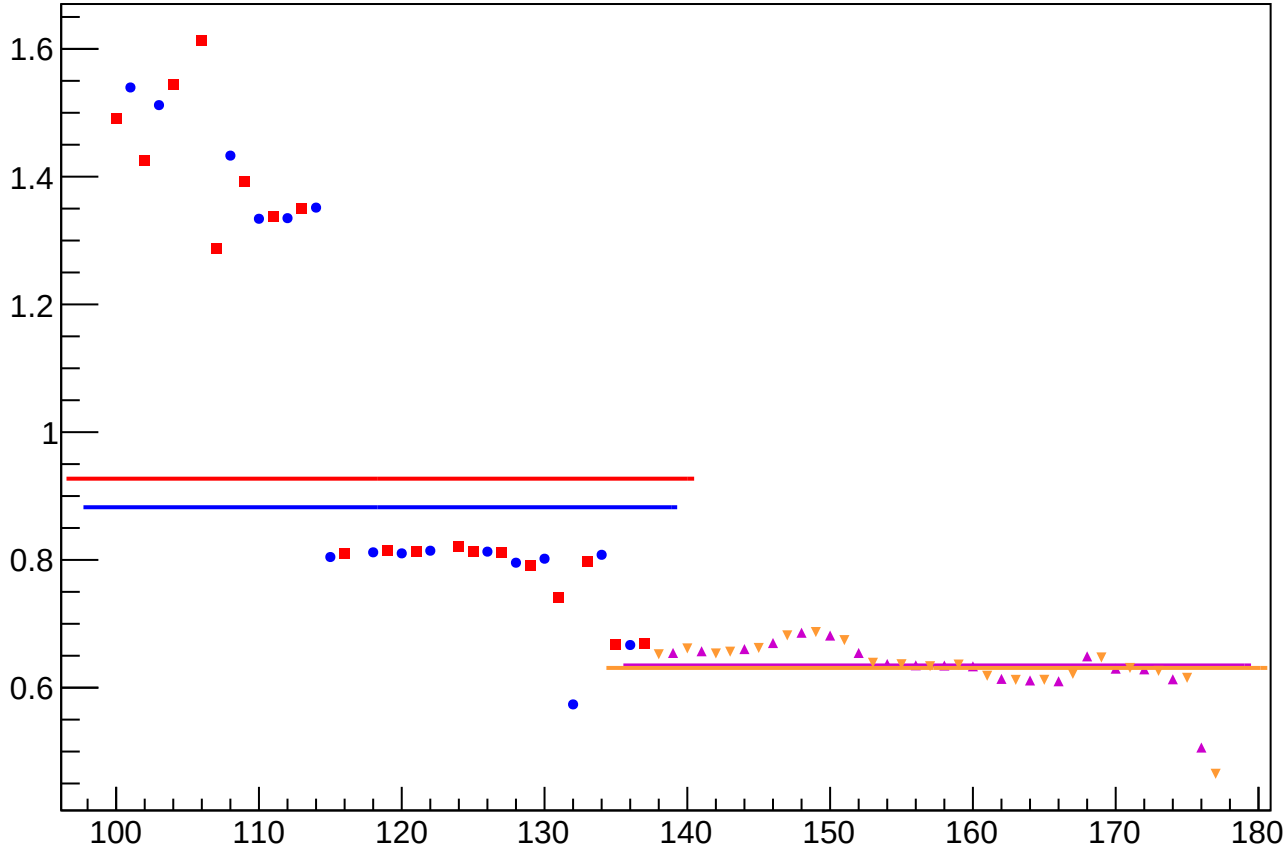
Left In: 0.018+/-0.000 χ^2/NDF:682382.2/18

+ sign 0.019+/-0.000 χ^2/NDF: 1750991.4/36

All: 0.019+/-0.000 χ^2/NDF: 4071993.8/74

- sign 0.020+/-0.000 χ^2/NDF: 2305022.1/37

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.631+/-0.000 χ^2/NDF:230012843.7/20

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

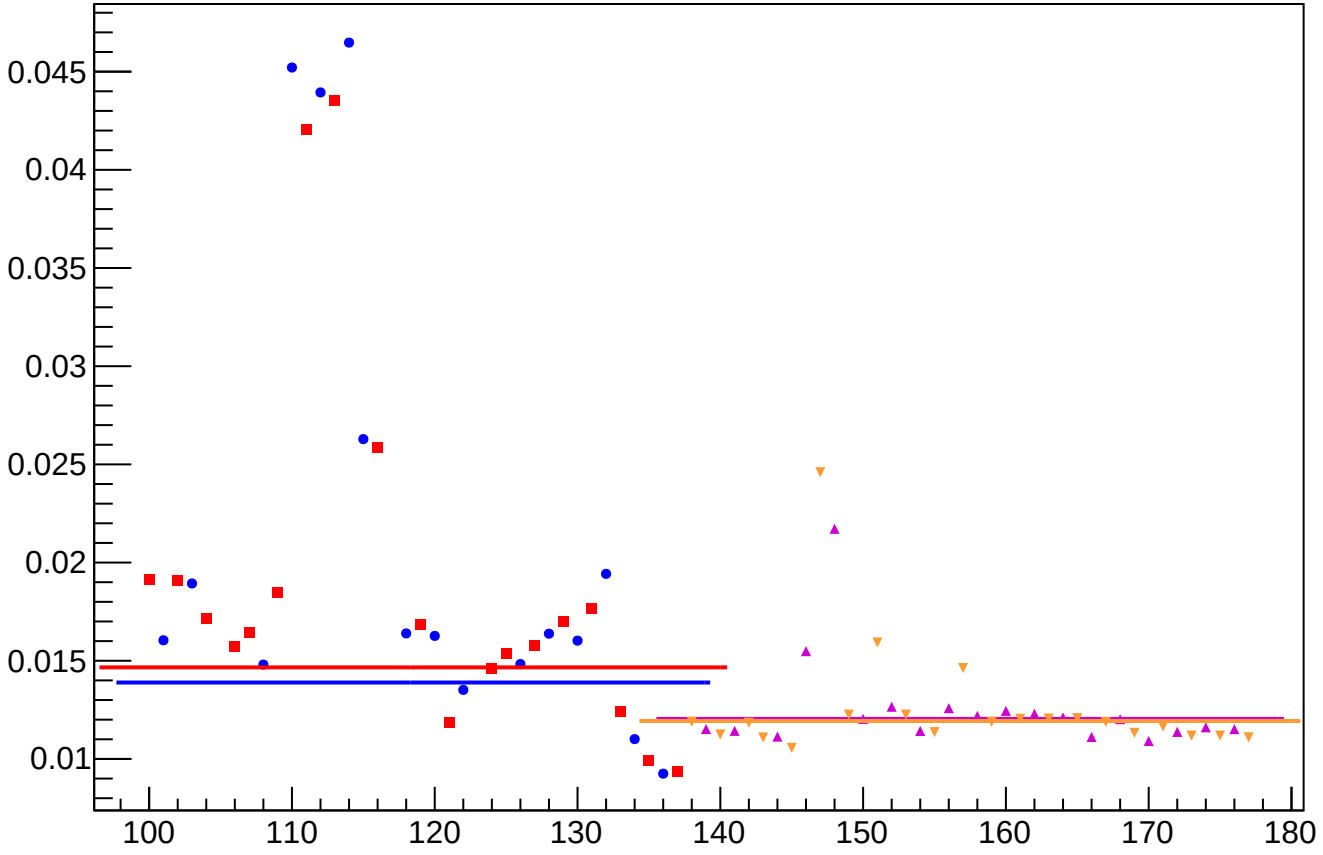
Left In: 0.635+/-0.000 χ^2/NDF:123770445.3/18

+ sign 0.685+/-0.000 χ^2/NDF: 4537397709.9/36

All: 0.692+/-0.000 χ^2/NDF: 9361573002.0/74

- sign 0.699+/-0.000 χ^2/NDF: 4811070596.2/37

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:648358.6/20

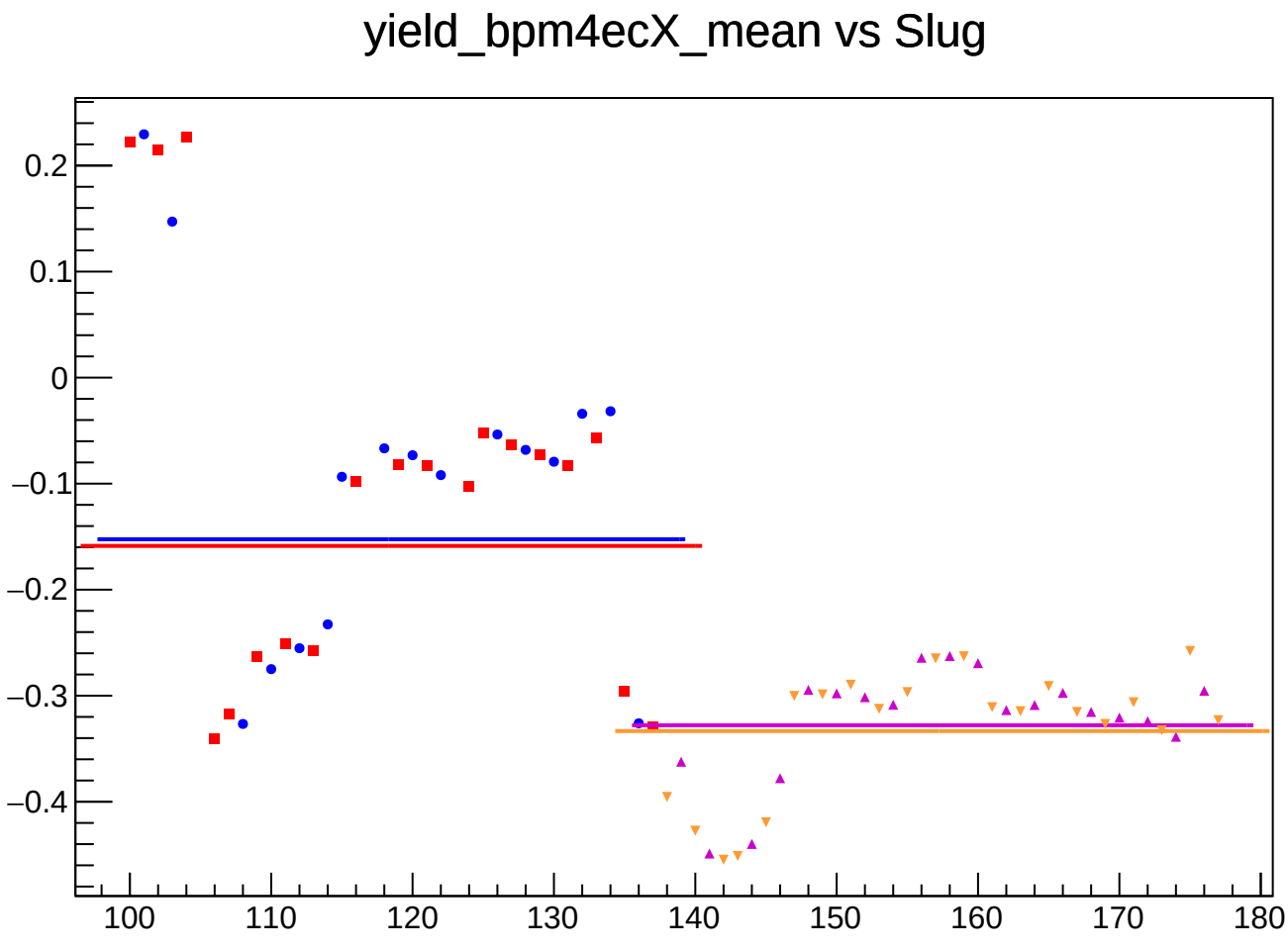
Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:461076.3/18

+ sign 0.012+/-0.000 χ^2/NDF: 2479831.1/36

All: 0.012+/-0.000 χ^2/NDF: 4727083.9/74

- sign 0.013+/-0.000 χ^2/NDF: 2238004.2/37



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.333+/-0.000 χ^2/NDF:136569588.3/20

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

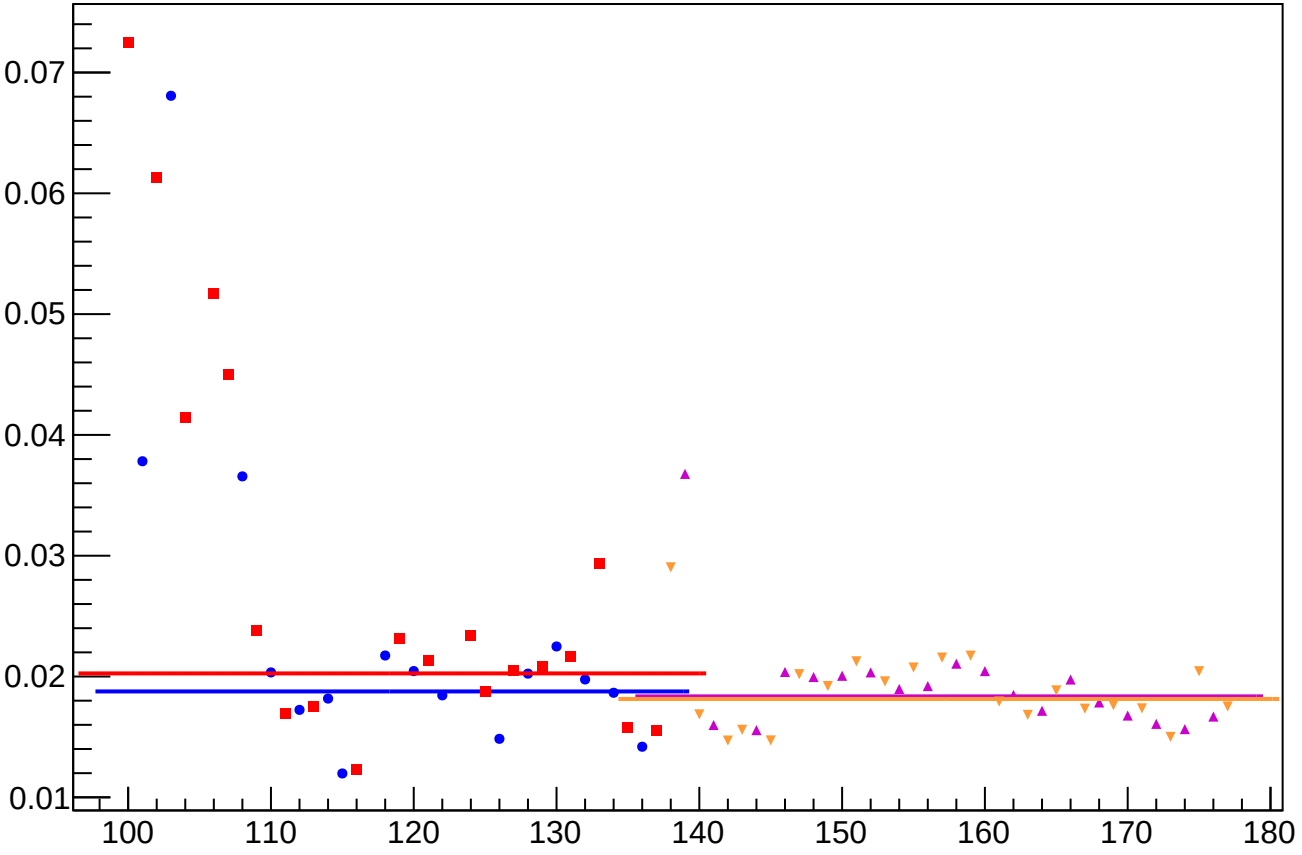
Left In: -0.328+/-0.000 χ^2/NDF:106058521.9/18

+ sign -0.285+/-0.000 χ^2/NDF: 769304887.0/36

All: -0.284+/-0.000 χ^2/NDF: 1350395490.9/7

- sign -0.283+/-0.000 χ^2/NDF: 581040953.7/37

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:567774.1/20

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

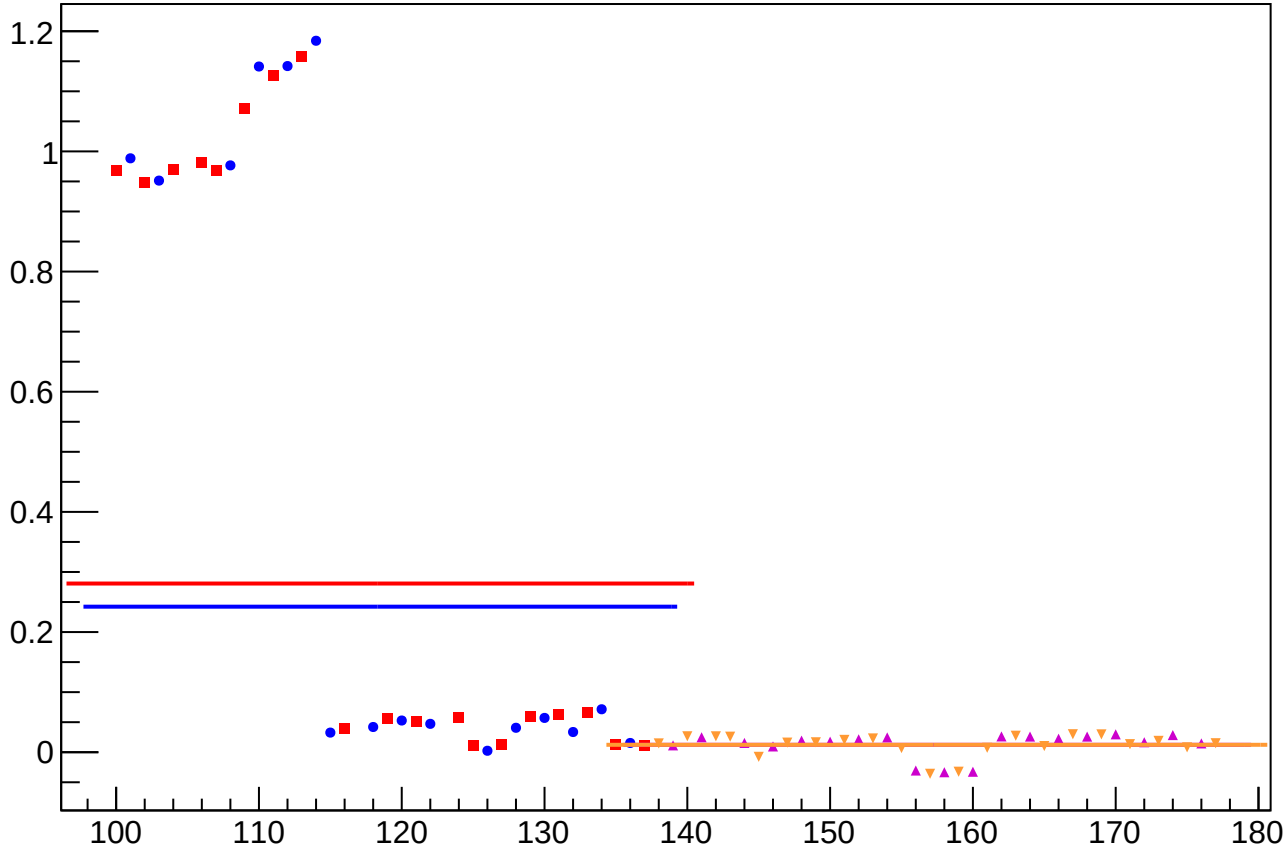
Left In: 0.018+/-0.000 χ^2/NDF:684342.7/18

+ sign 0.018+/-0.000 χ^2/NDF: 1925665.9/36

All: 0.019+/-0.000 χ^2/NDF: 4226050.6/74

- sign 0.019+/-0.000 χ^2/NDF: 2284575.7/37

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:44770613.3/20

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

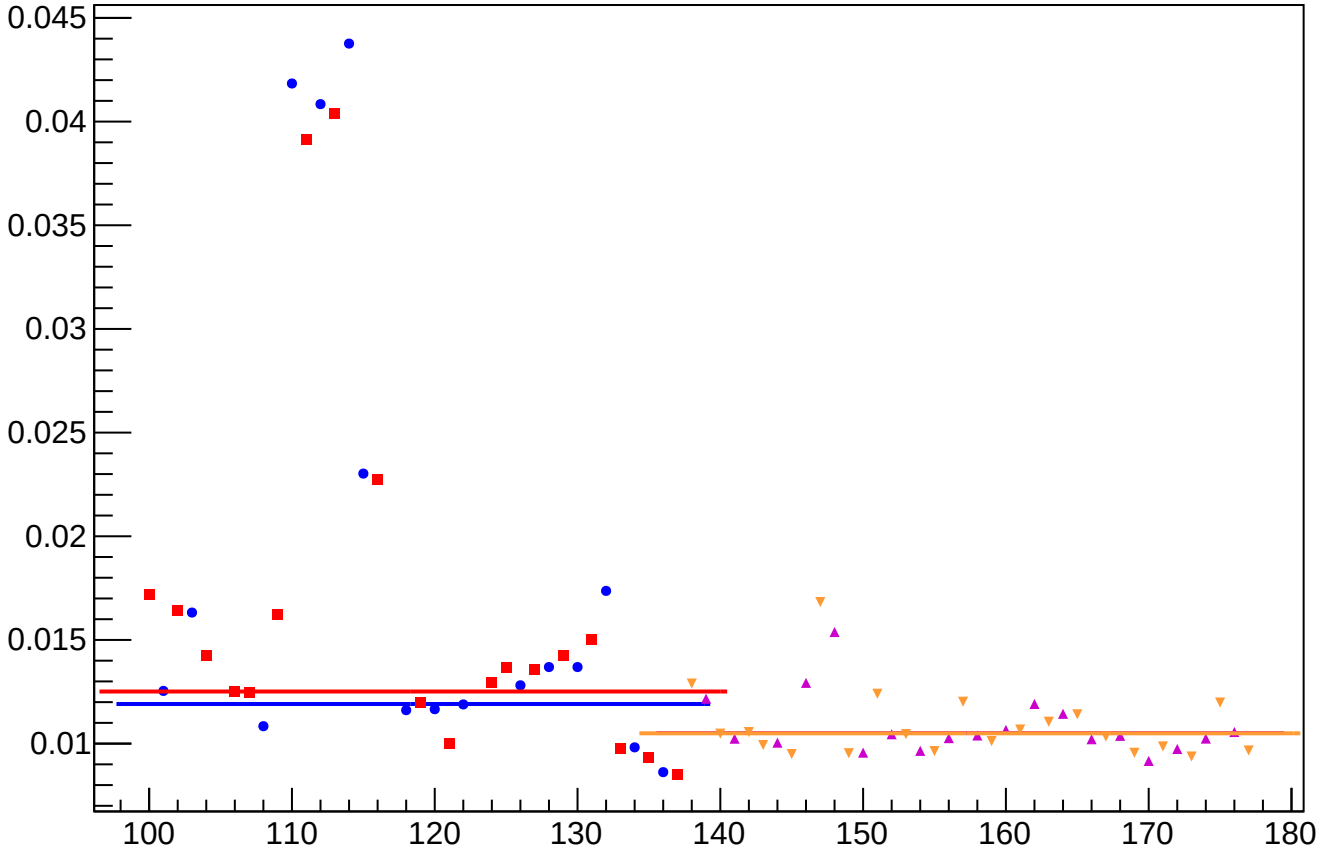
Left In: 0.012+/-0.000 χ^2/NDF:57585237.6/18

+ sign 0.065+/-0.000 χ^2/NDF: 8271253251.0/36

All: 0.069+/-0.000 χ^2/NDF: 17275153352.7/7

- sign 0.073+/-0.000 χ^2/NDF: 8997272113.4/37

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.010+/-0.000 χ^2/NDF:484774.2/20

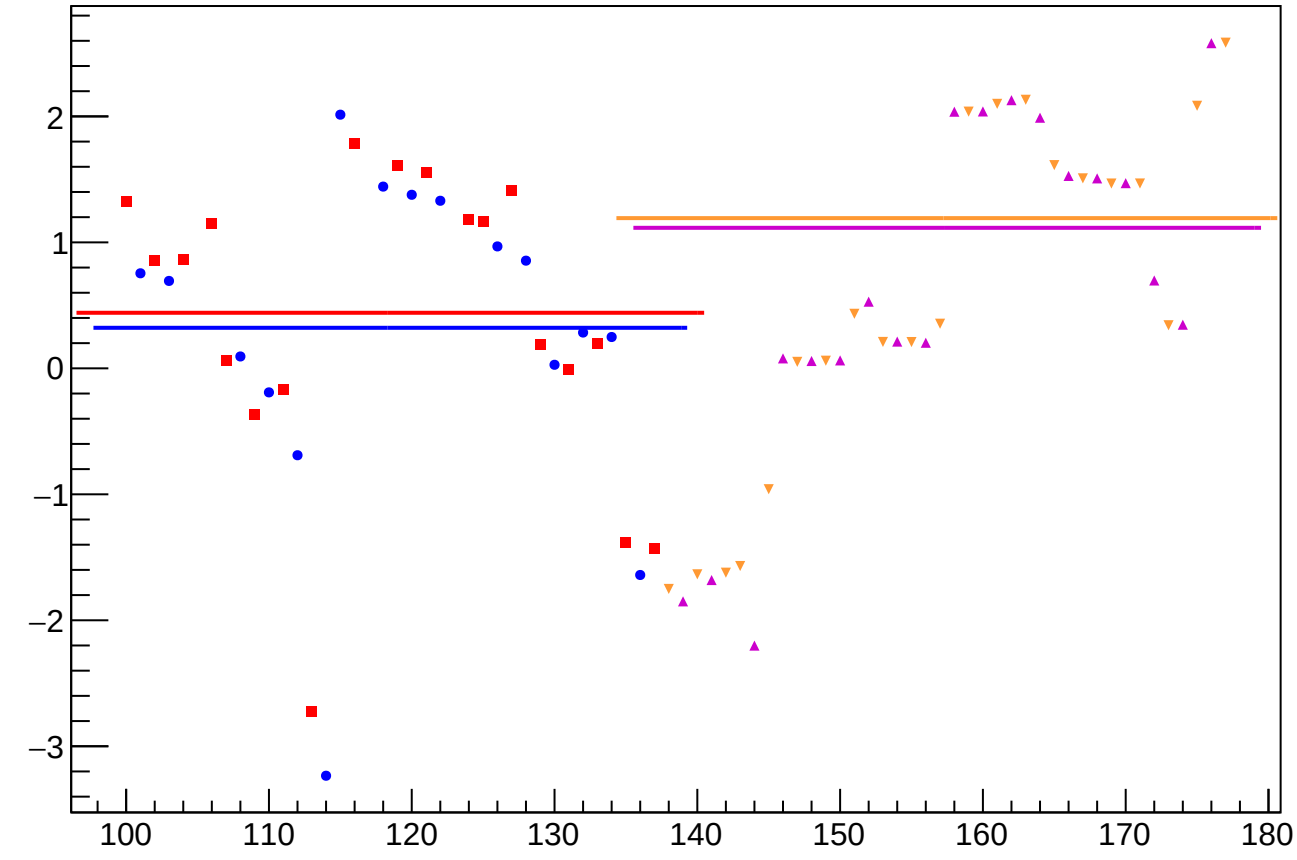
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:360564.8/18

+ sign 0.011+/-0.000 χ^2/NDF: 2074168.6/36

All: 0.011+/-0.000 χ^2/NDF: 4073632.3/74

- sign 0.011+/-0.000 χ^2/NDF: 1995588.0/37



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.193+/-0.000 χ^2/NDF:40318462255.0/20

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

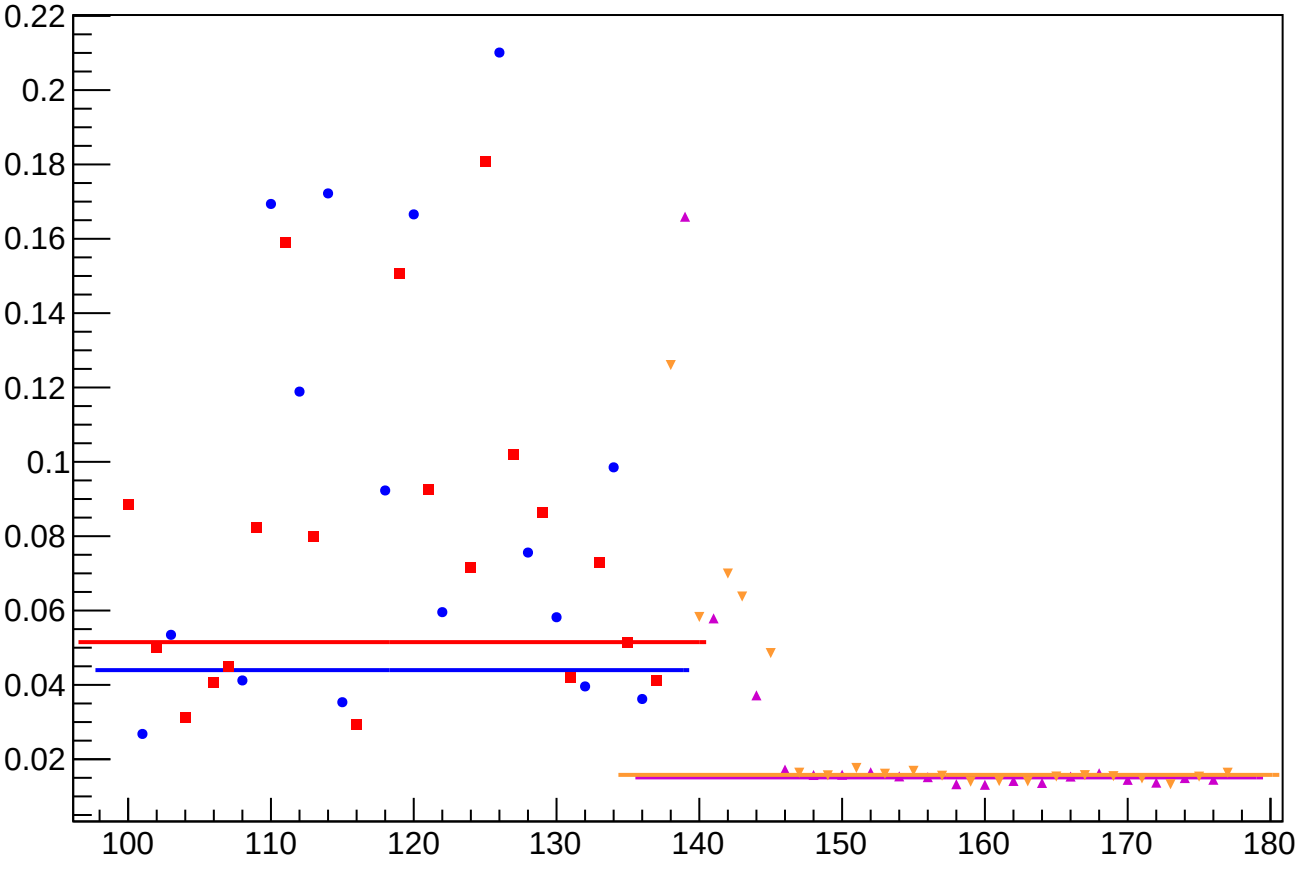
Left In: 1.116+/-0.000 χ^2/NDF:41914392695.0/18

+ sign 1.159+/-0.000 χ^2/NDF: 43429297134.5/36

All: 1.126+/-0.000 χ^2/NDF: 87972542150.7/7

- sign 1.094+/-0.000 χ^2/NDF: 44436202199.2/37

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:2944862.1/20

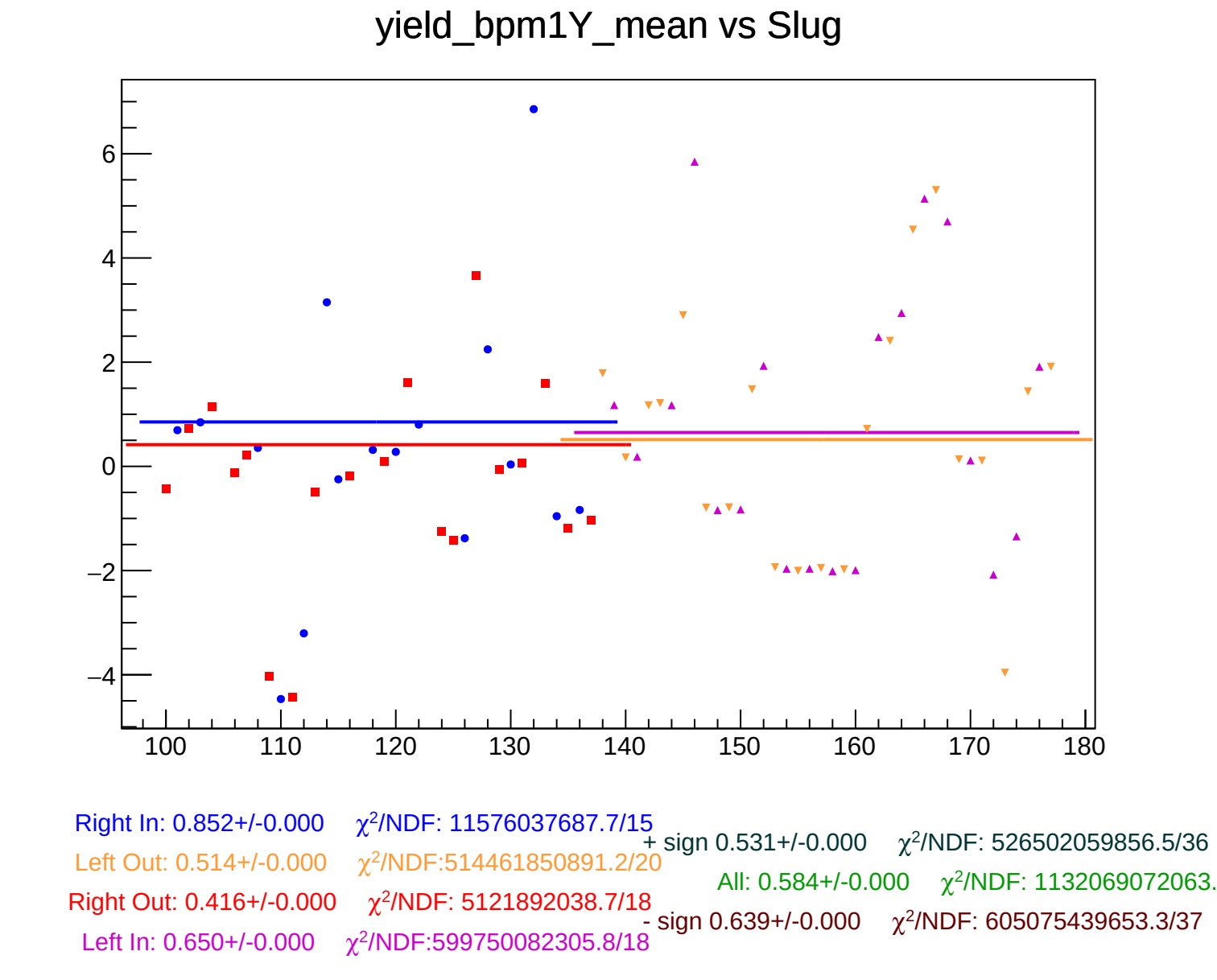
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2171537.4/18

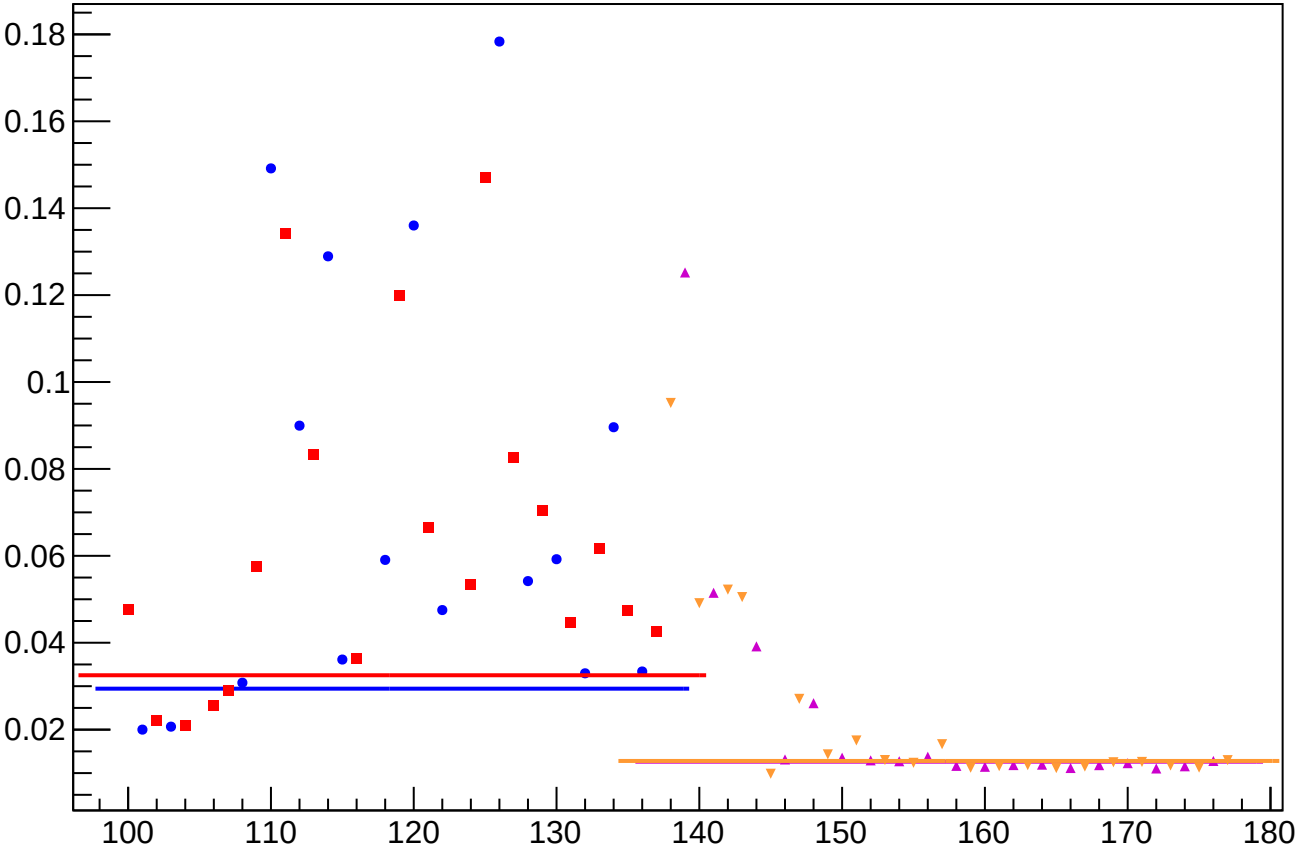
+ sign 0.017+/-0.000 χ^2/NDF: 8761597.7/36

All: 0.017+/-0.000 χ^2/NDF: 17543053.9/74

- sign 0.016+/-0.000 χ^2/NDF: 8761173.0/37


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: 0.514+/-0.000 χ²/NDF:514461850891.2/20
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 0.650+/-0.000 χ²/NDF:599750082305.8/18
+ sign 0.531+/-0.000 χ²/NDF: 526502059856.5/36
All: 0.584+/-0.000 χ²/NDF: 1132069072063.
- sign 0.639+/-0.000 χ²/NDF: 605075439653.3/37

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:3162164.9/20

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

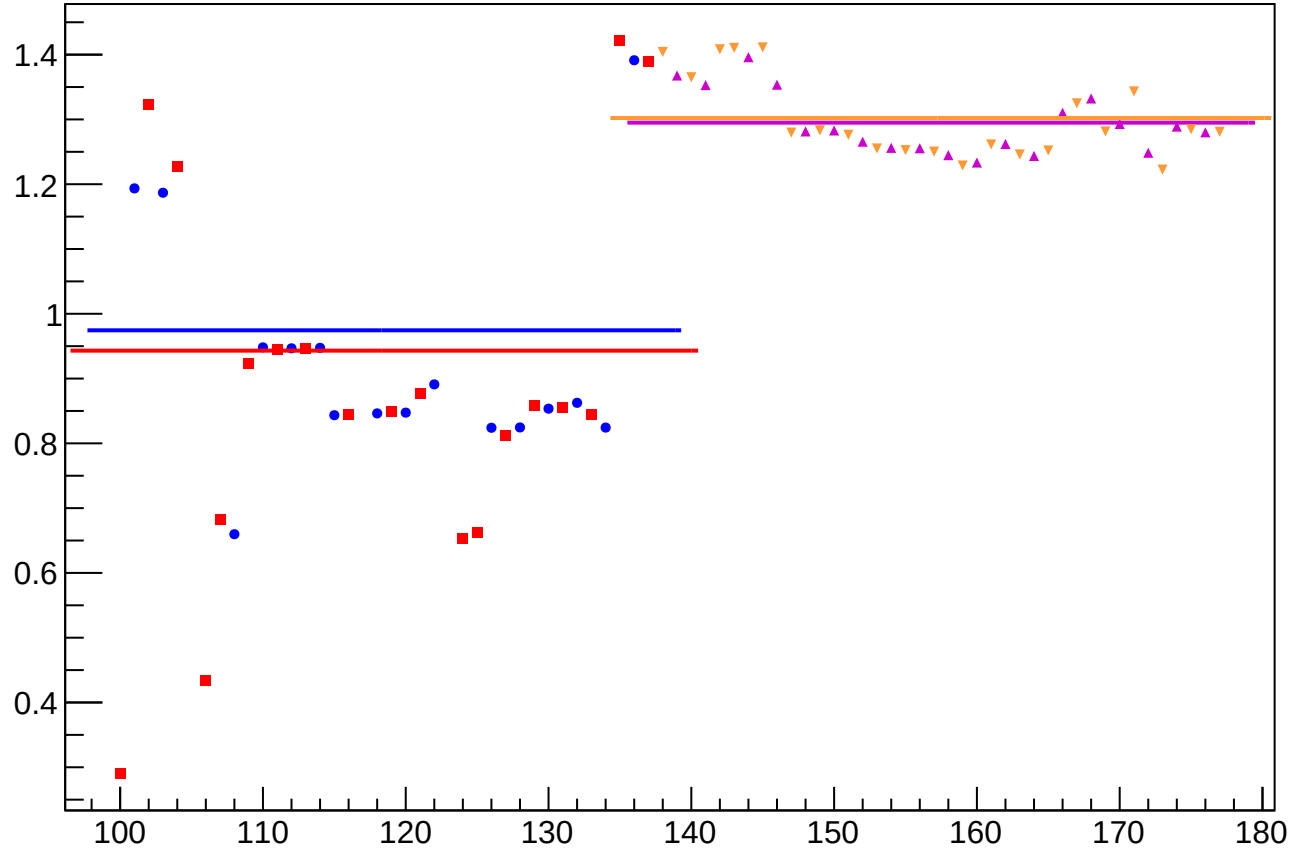
Left In: 0.013+/-0.000 χ^2/NDF:2734314.6/18

+ sign 0.014+/-0.000 χ^2/NDF: 8593383.0/36

All: 0.014+/-0.000 χ^2/NDF: 17587528.3/74

- sign 0.014+/-0.000 χ^2/NDF: 8993645.2/37

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.302+/-0.000 χ^2/NDF:300024574.0/20

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

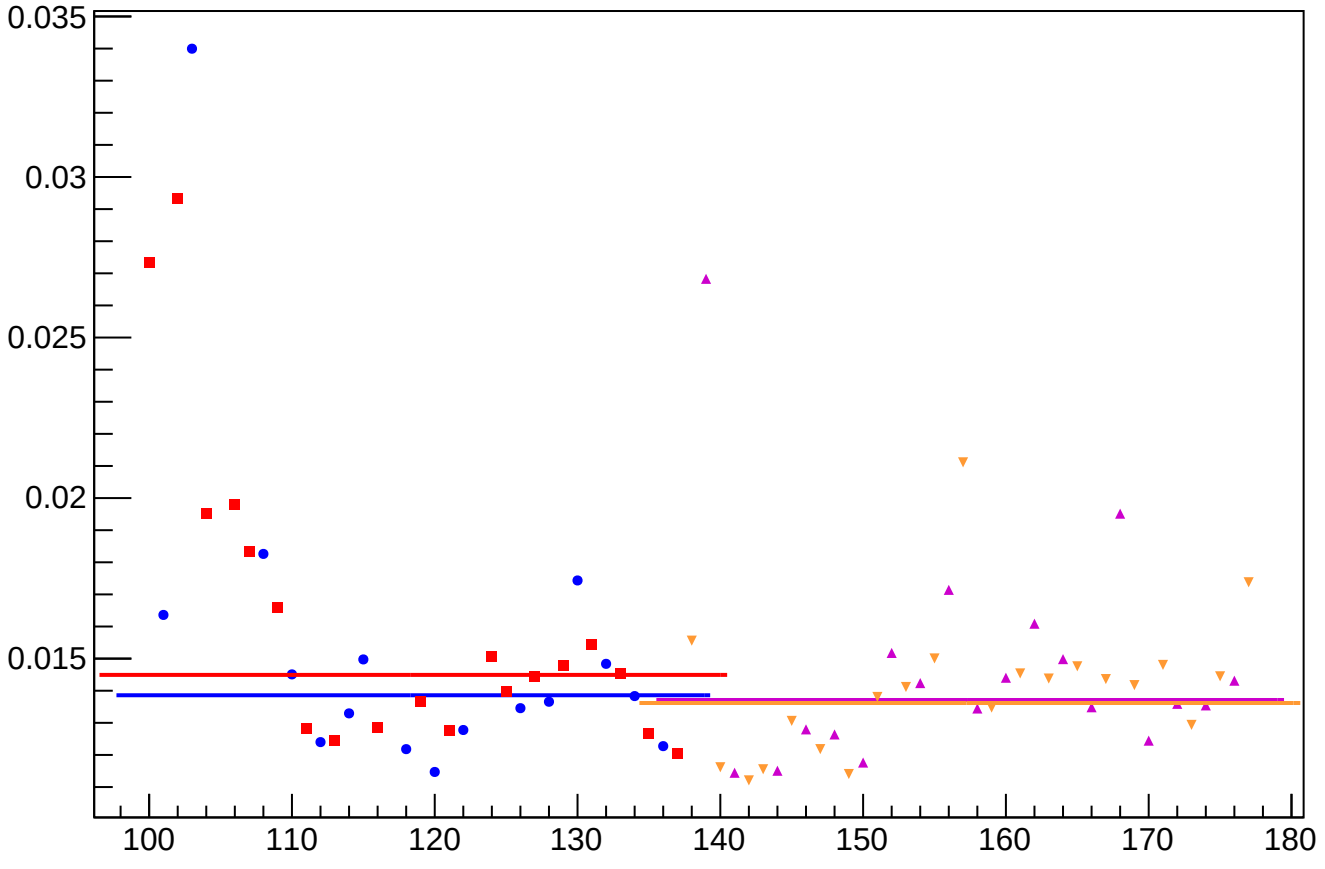
Left In: 1.295+/-0.000 χ^2/NDF:165572400.4/18

+ sign 1.206+/-0.000 χ^2/NDF: 4216582089.8/36

All: 1.199+/-0.000 χ^2/NDF: 8727349184.6/74

- sign 1.191+/-0.000 χ^2/NDF: 4498404562.3/37

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:504917.0/20

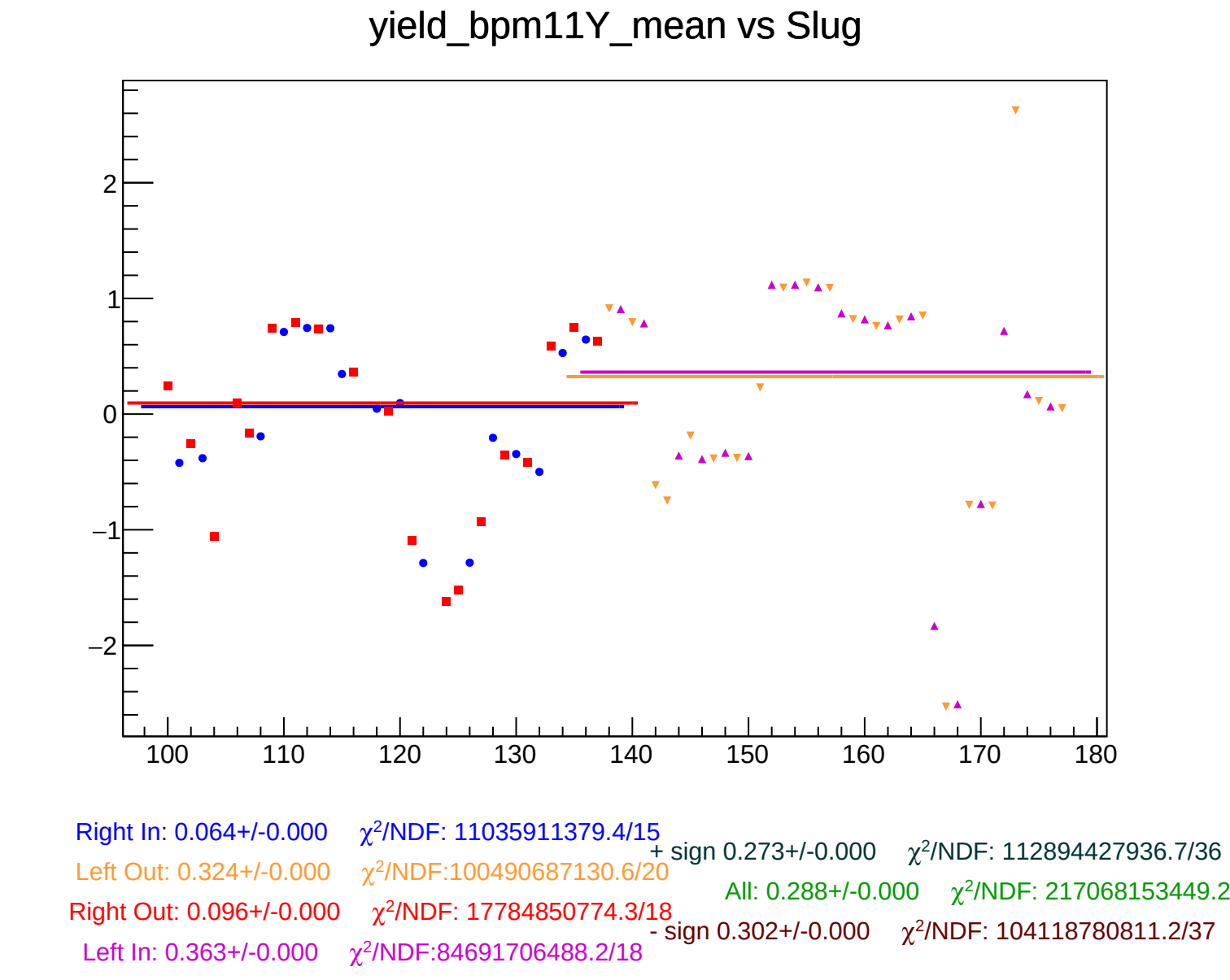
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

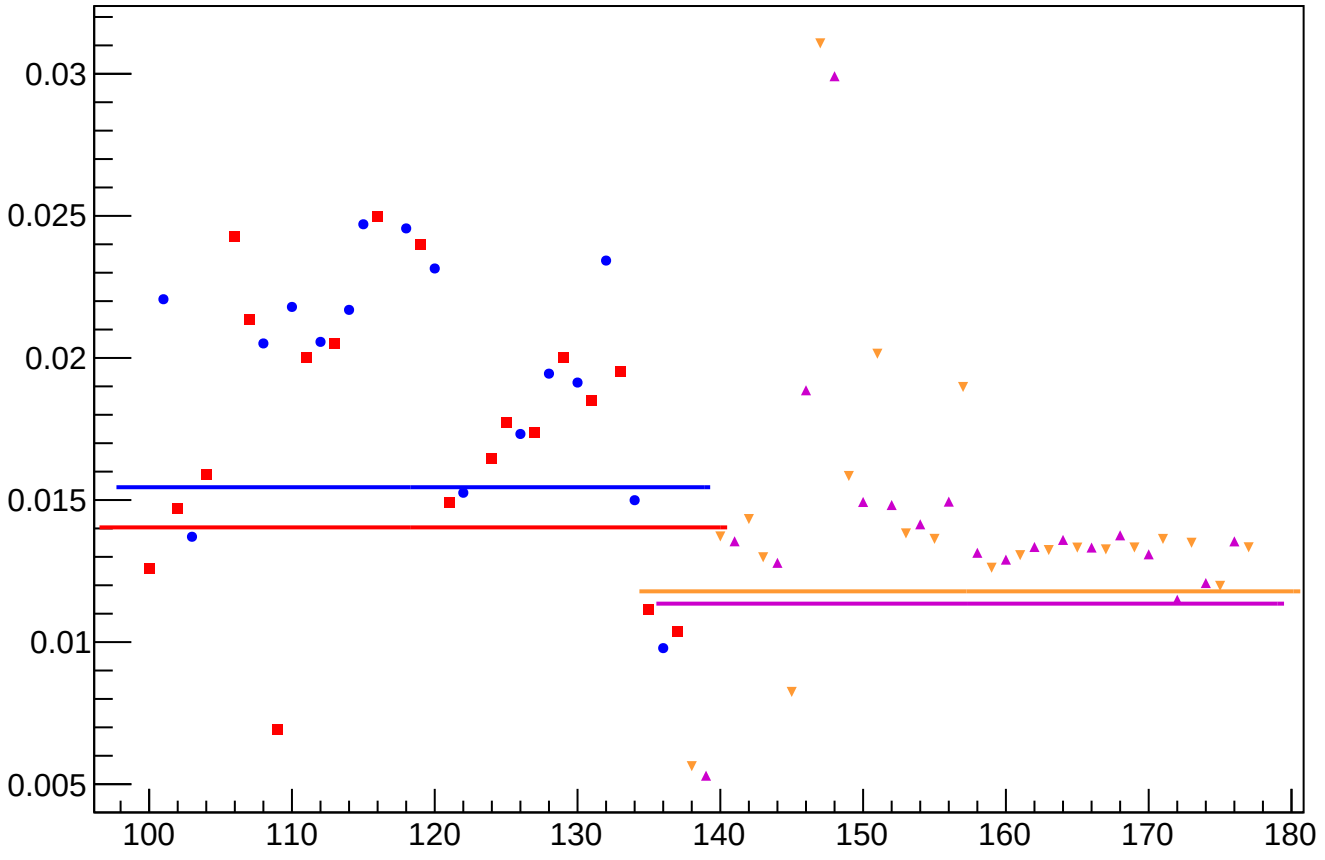
Left In: 0.014+/-0.000 χ^2/NDF:844744.9/18

+ sign 0.014+/-0.000 χ^2/NDF: 1107555.0/36

All: 0.014+/-0.000 χ^2/NDF: 2529778.8/74

- sign 0.014+/-0.000 χ^2/NDF: 1415348.9/37


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.064+/-0.000 χ²/NDF: 11035911379.4/15
Left Out: 0.324+/-0.000 χ²/NDF:100490687130.6/20
Right Out: 0.096+/-0.000 χ²/NDF: 17784850774.3/18
Left In: 0.363+/-0.000 χ²/NDF:84691706488.2/18
+ sign 0.273+/-0.000 χ²/NDF: 112894427936.7/36
All: 0.288+/-0.000 χ²/NDF: 217068153449.2
- sign 0.302+/-0.000 χ²/NDF: 104118780811.2/37



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3222251.1/20

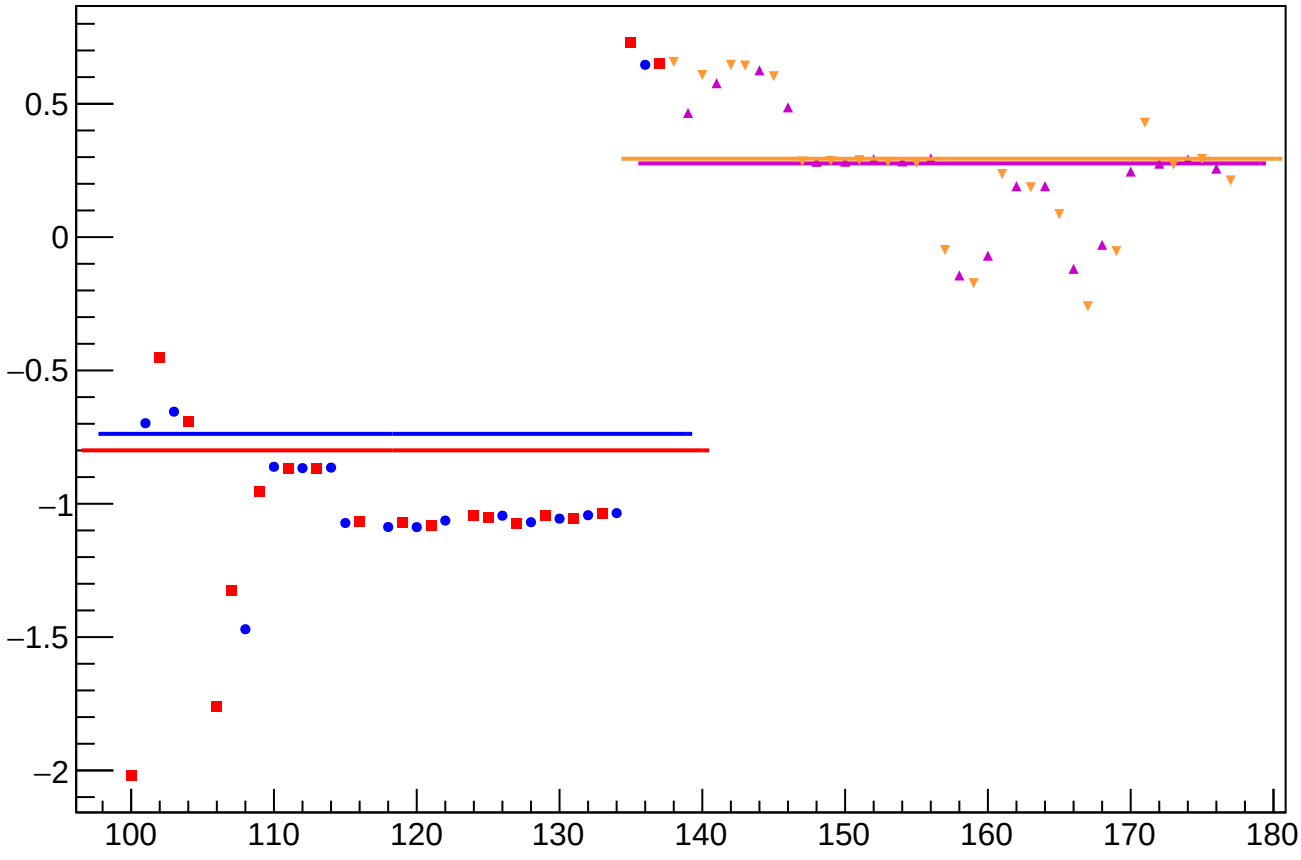
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3609821.2/18

+ sign 0.013+/-0.000 χ^2/NDF: 5058123.6/36

All: 0.012+/-0.000 χ^2/NDF: 10724273.3/74

- sign 0.012+/-0.000 χ^2/NDF: 5627984.7/37



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.294+/-0.000 χ^2/NDF:750015630.4/20

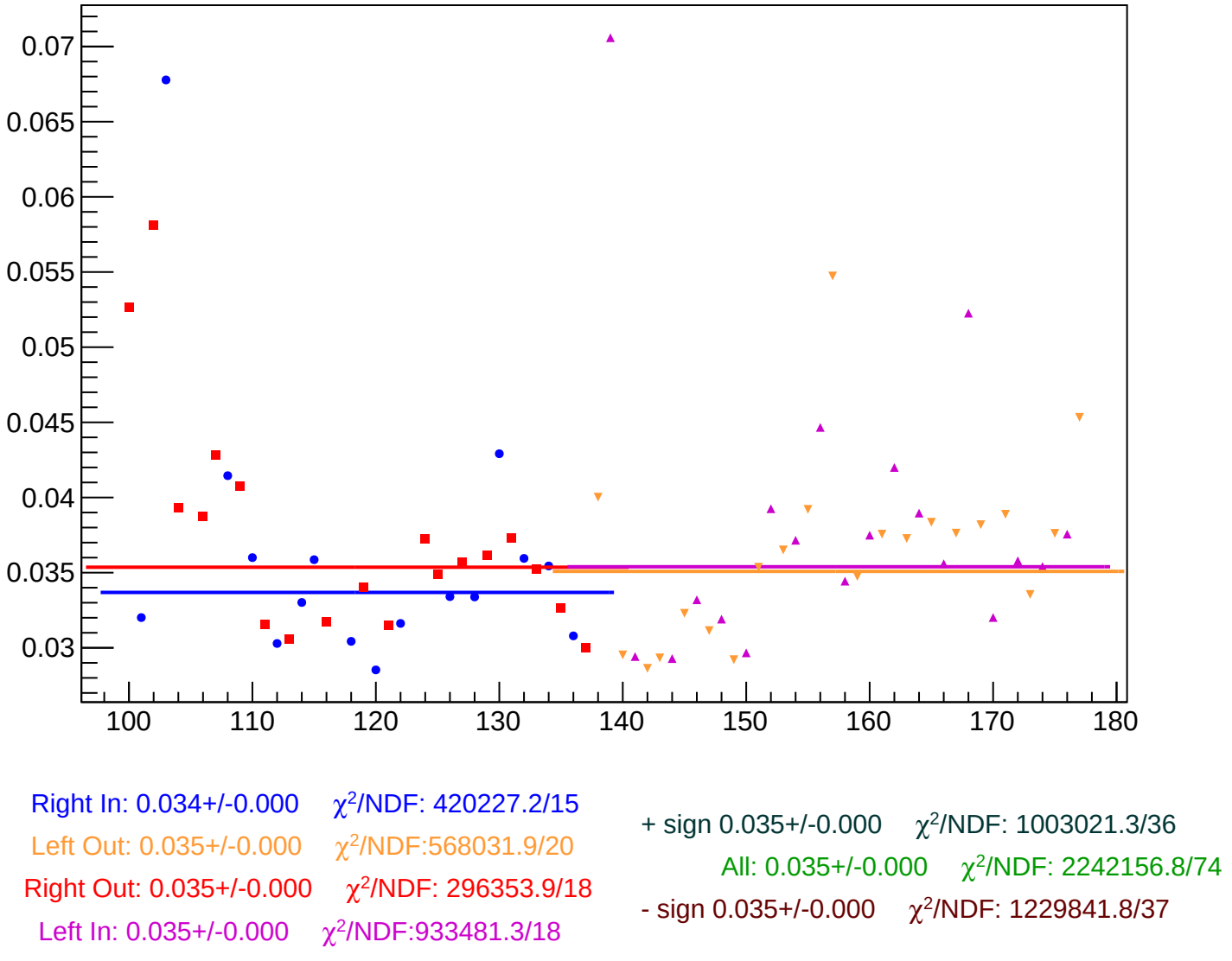
Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

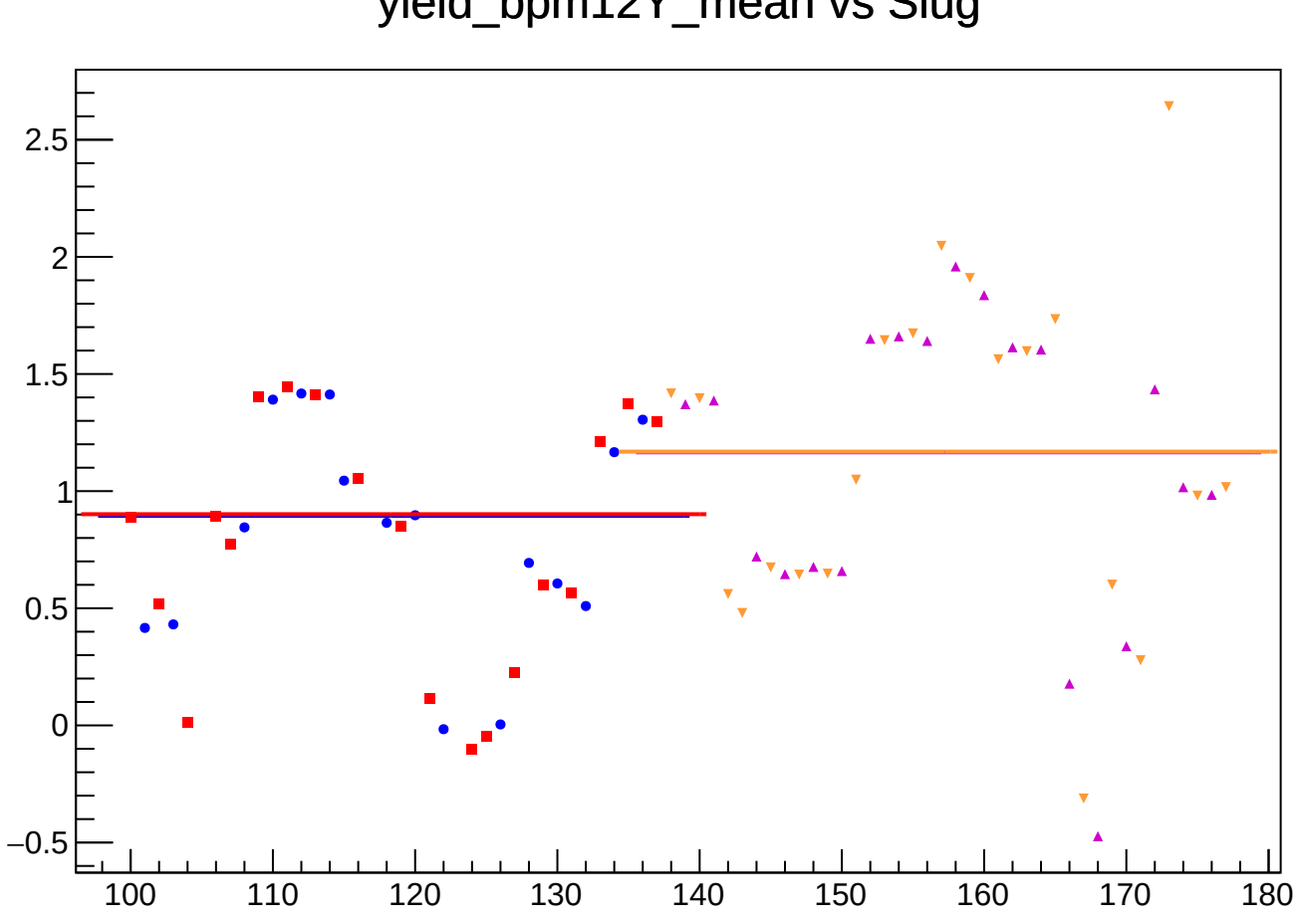
Left In: 0.276+/-0.000 χ^2/NDF:502071009.5/18

+ sign -0.039+/-0.000 χ^2/NDF: 6827828229.8/36

All: -0.055+/-0.000 χ^2/NDF: 13271524759.1/

- sign -0.072+/-0.000 χ^2/NDF: 6434634055.4/37


yield_bpm12X_rms vs Slug
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
100
110
120
130
140
150
160
170
180
Right In: 0.034+/-0.000 χ²/NDF: 420227.2/15
Left Out: 0.035+/-0.000 χ²/NDF:568031.9/20
Right Out: 0.035+/-0.000 χ²/NDF: 296353.9/18
Left In: 0.035+/-0.000 χ²/NDF:933481.3/18
+ sign 0.035+/-0.000 χ²/NDF: 1003021.3/36
All: 0.035+/-0.000 χ²/NDF: 2242156.8/74
- sign 0.035+/-0.000 χ²/NDF: 1229841.8/37



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.169+/-0.000 χ^2/NDF:85985129170.1/20

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

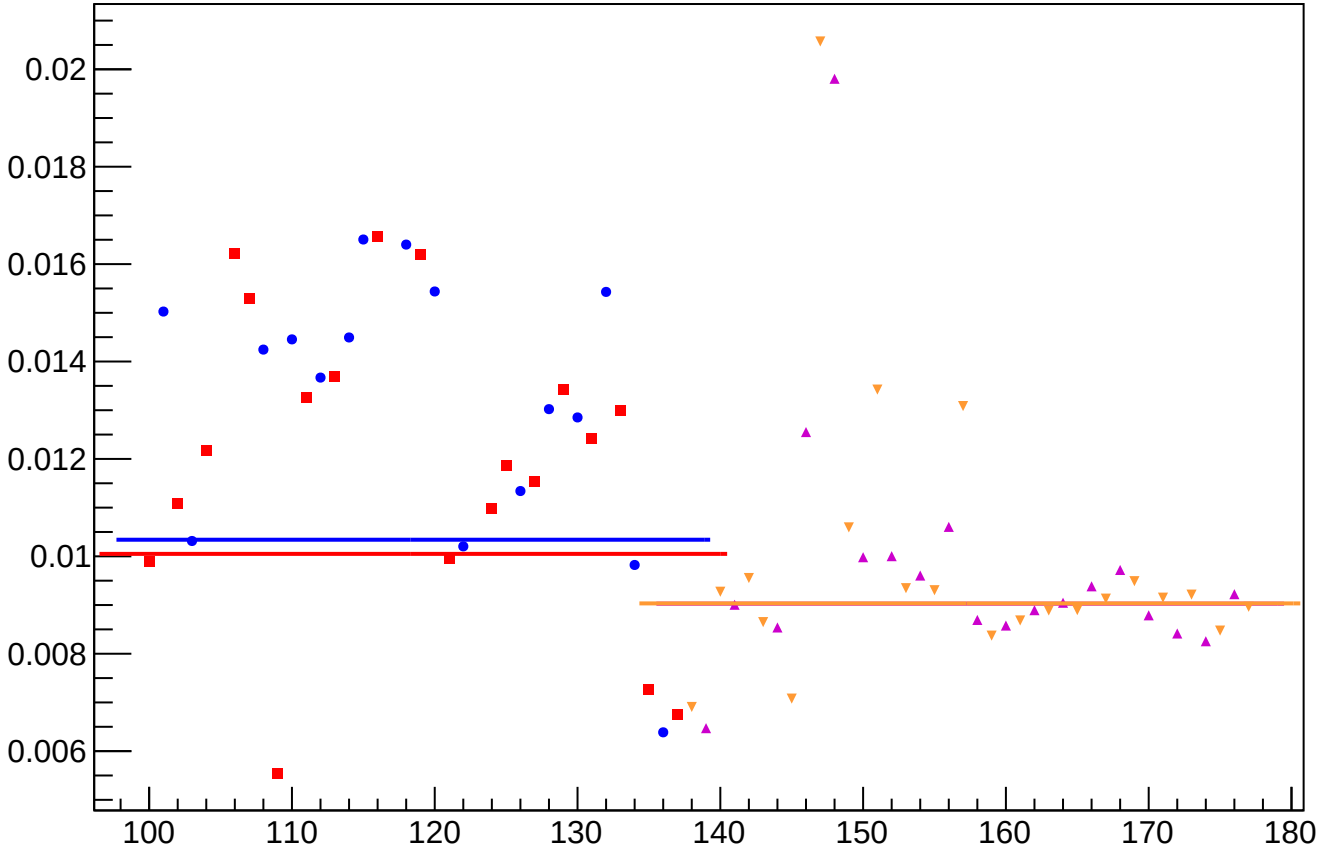
Left In: 1.166+/-0.000 χ^2/NDF:66341361608.1/18

+ sign 1.106+/-0.000 χ^2/NDF: 101975275856.9/36

All: 1.102+/-0.000 χ^2/NDF: 189348624016.9

- sign 1.098+/-0.000 χ^2/NDF: 87365857951.9/37

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:1135611.5/20

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

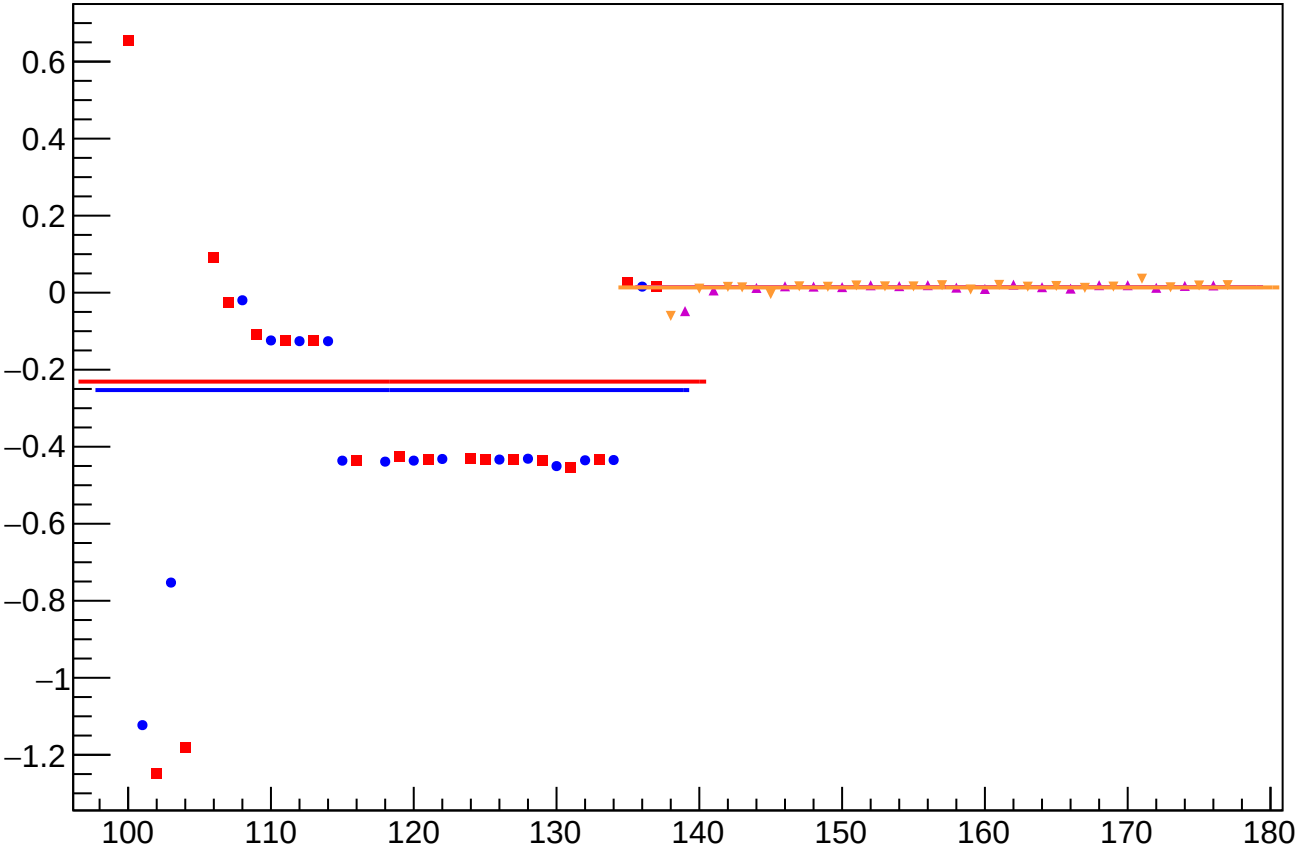
Left In: 0.009+/-0.000 χ^2/NDF:952822.8/18

+ sign 0.009+/-0.000 χ^2/NDF: 2633306.1/36

All: 0.009+/-0.000 χ^2/NDF: 5017191.9/74

- sign 0.009+/-0.000 χ^2/NDF: 2383461.0/37

yield_bpm16X_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:27876073.9/20

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

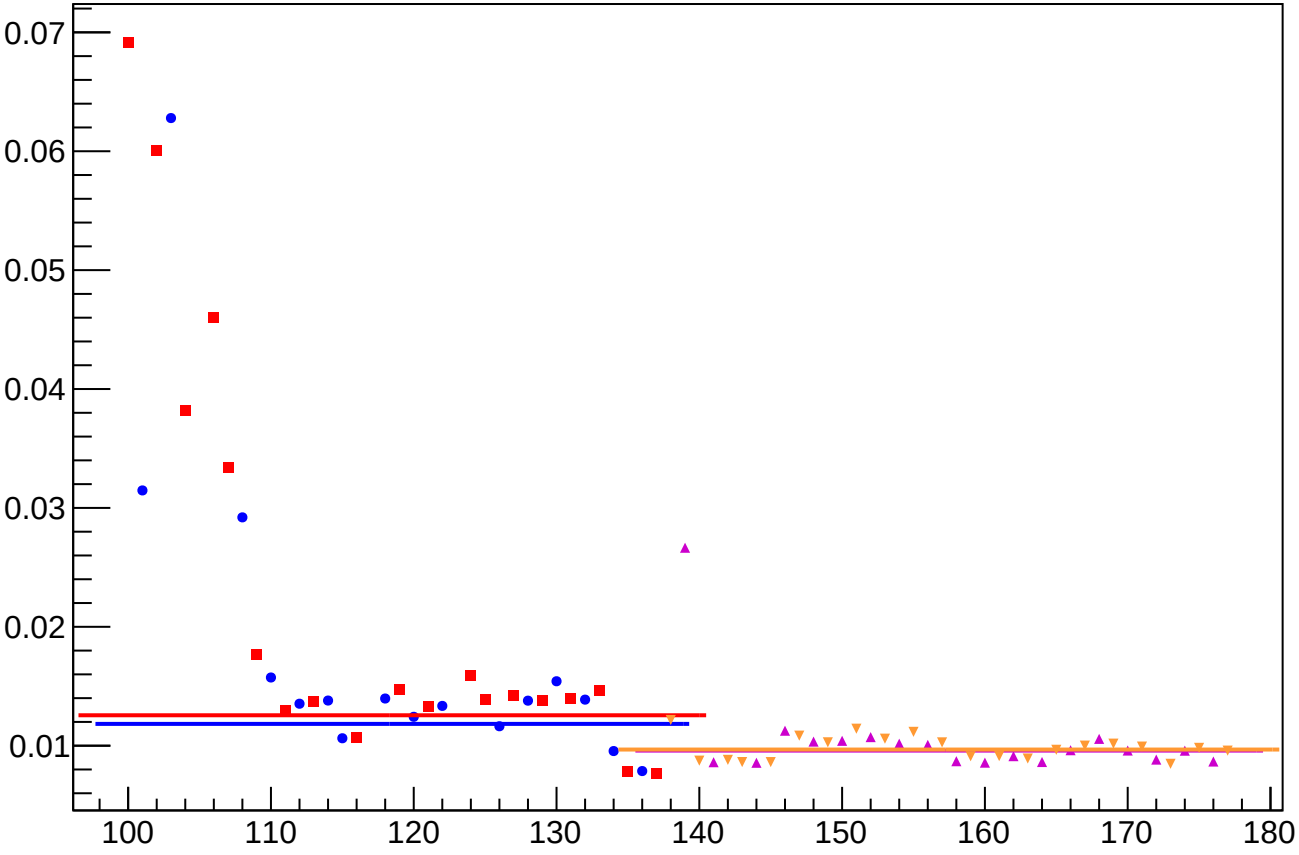
Left In: 0.015+/-0.000 χ^2/NDF:6951588.6/18

+ sign -0.038+/-0.000 χ^2/NDF: 4092025122.4/36

All: -0.034+/-0.000 χ^2/NDF: 7471302883.9/7

- sign -0.031+/-0.000 χ^2/NDF: 3375348193.9/37

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:254370.5/20

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

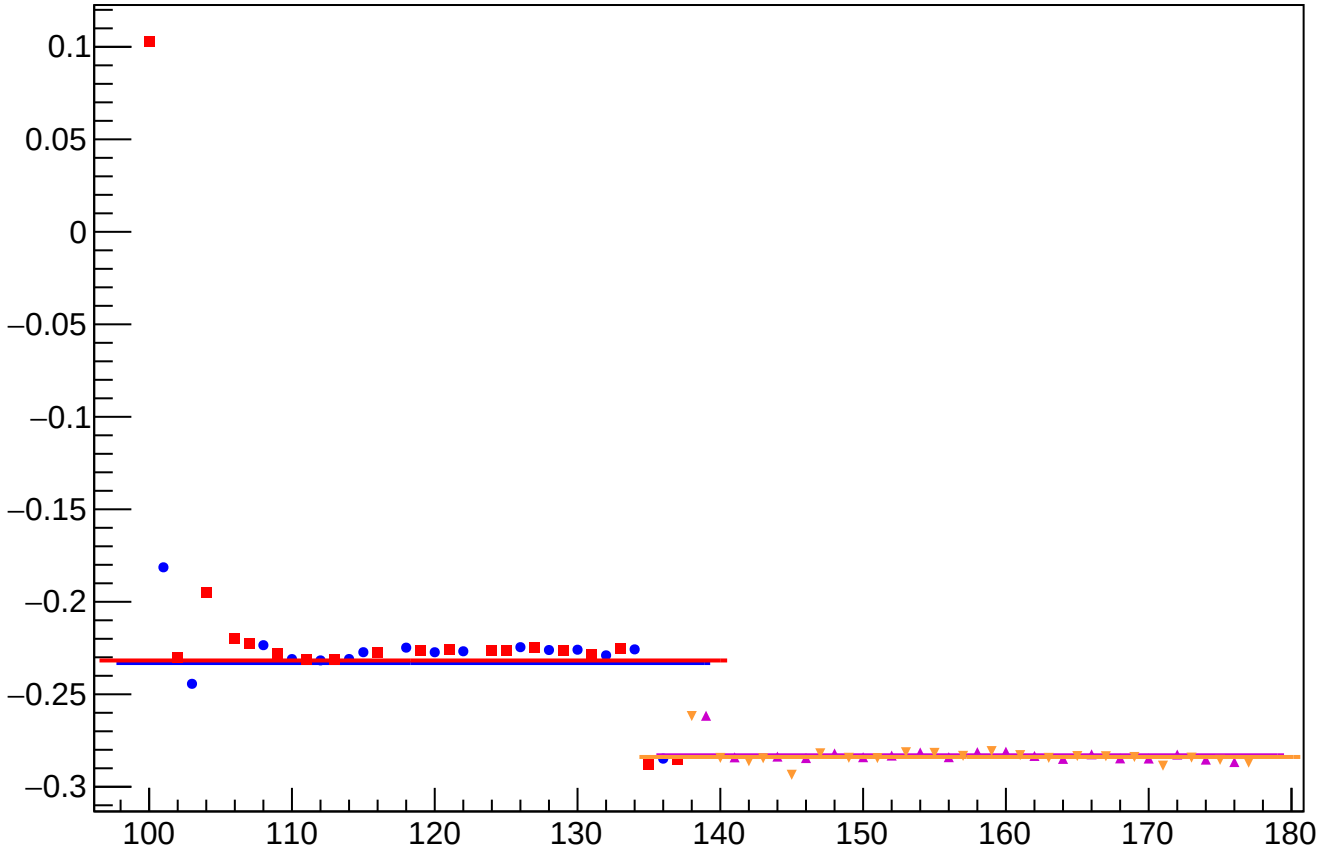
Left In: 0.010+/-0.000 χ^2/NDF:881814.1/18

+ sign 0.010+/-0.000 χ^2/NDF: 2464094.0/36

All: 0.010+/-0.000 χ^2/NDF: 6020628.9/74

- sign 0.010+/-0.000 χ^2/NDF: 3556123.9/37

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:16220706.5/20

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

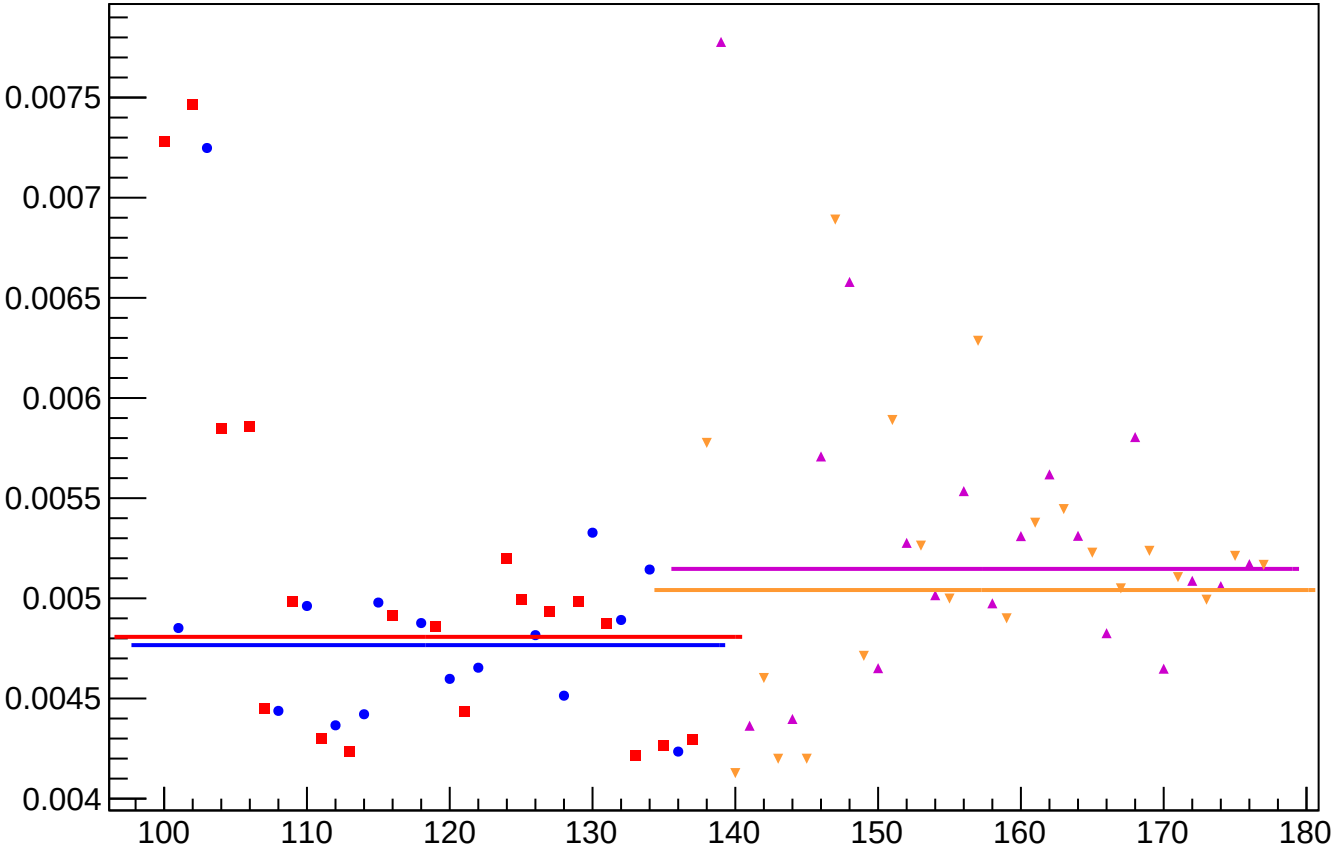
Left In: -0.283+/-0.000 χ^2/NDF:7299759.4/18

+ sign -0.268+/-0.000 χ^2/NDF: 714213075.7/36

All: -0.267+/-0.000 χ^2/NDF: 1509793808.3/7

- sign -0.265+/-0.000 χ^2/NDF: 792750628.5/37

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:459424.7/20

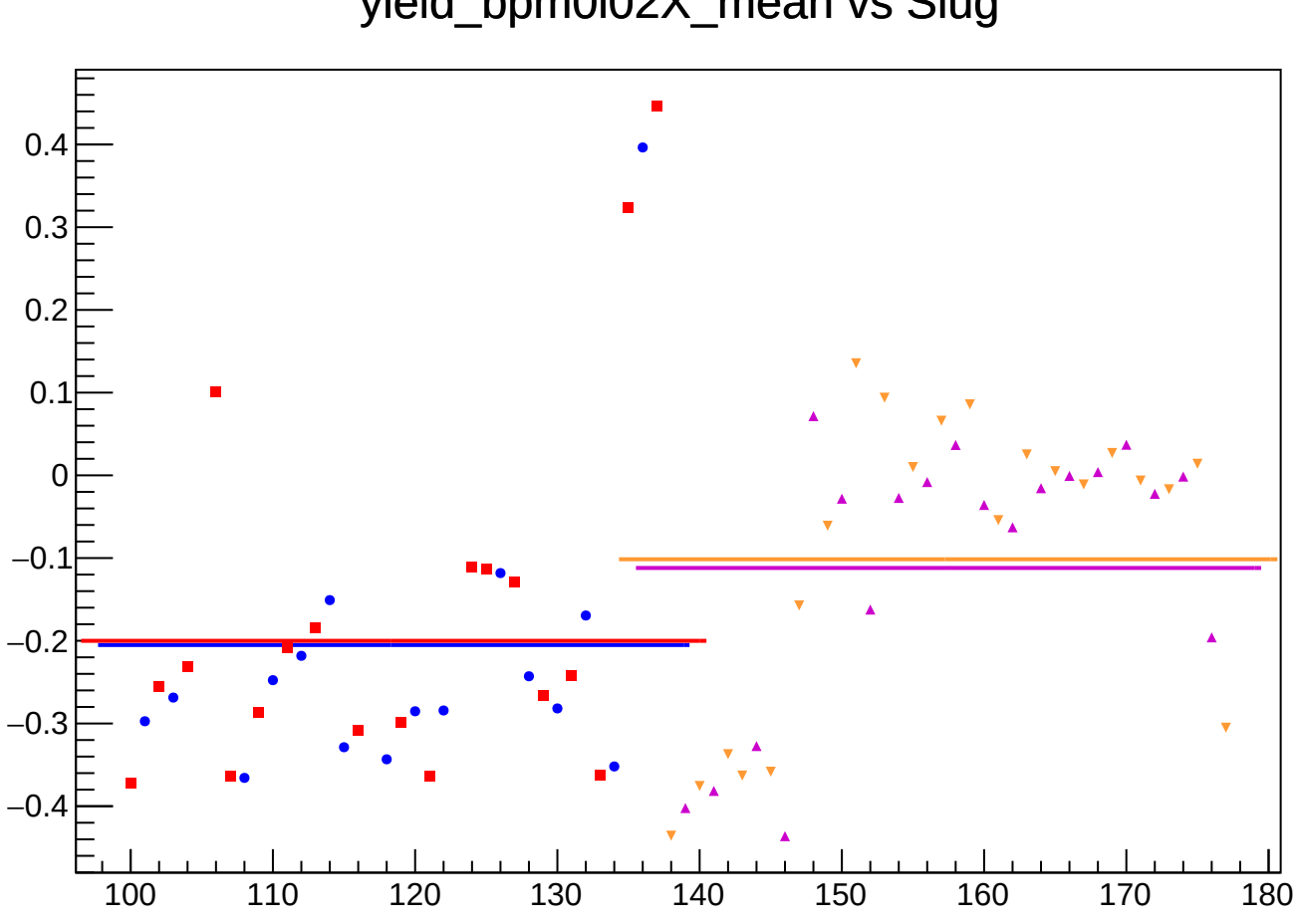
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:463866.6/18

+ sign 0.005+/-0.000 χ^2/NDF: 680461.2/36

All: 0.005+/-0.000 χ^2/NDF: 1486608.1/74

- sign 0.005+/-0.000 χ^2/NDF: 801256.3/37



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.101+/-0.000 χ^2/NDF:17714147336.3/20

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

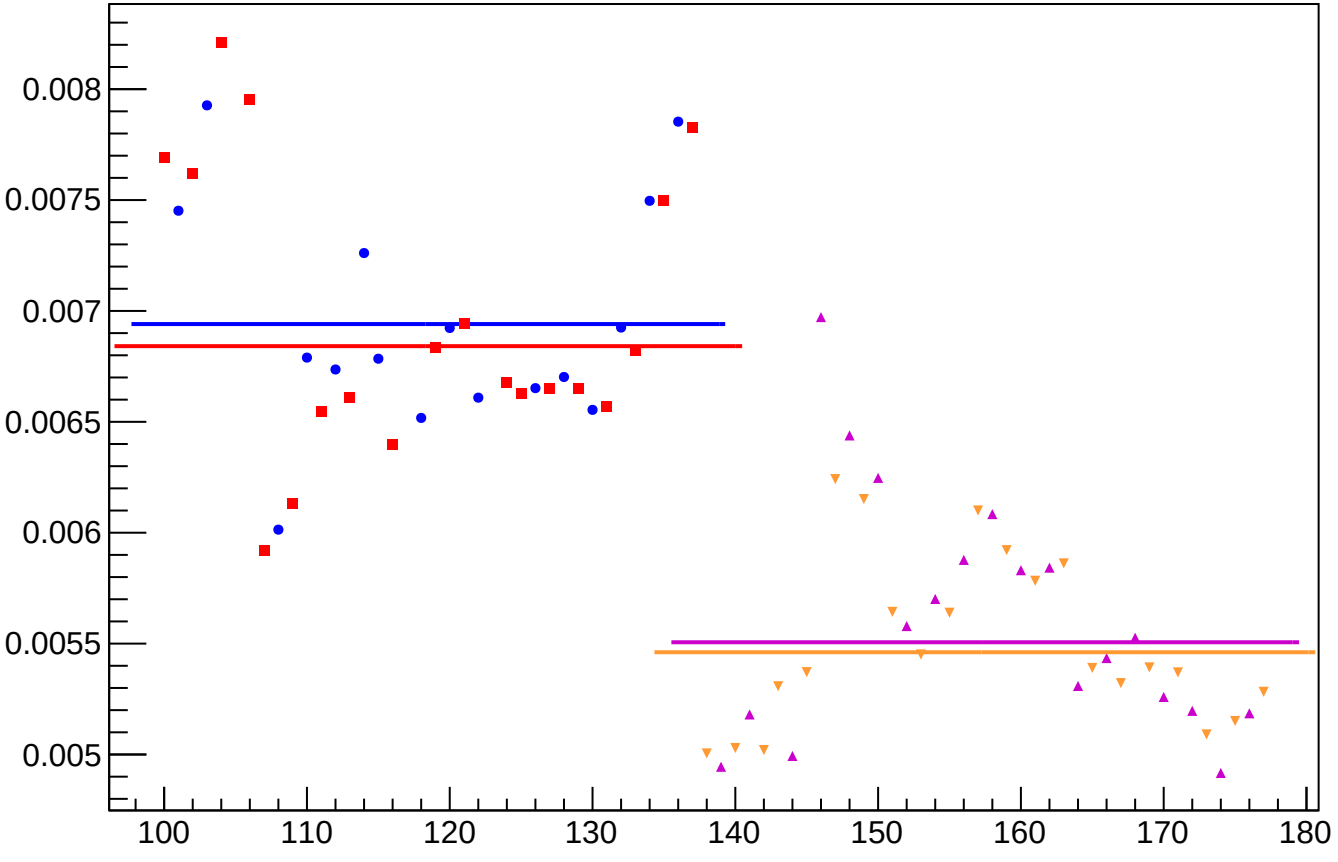
Left In: -0.112+/-0.000 χ^2/NDF:12457222365.2/18

+ sign -0.124+/-0.000 χ^2/NDF: 25132840651.3/36

All: -0.129+/-0.000 χ^2/NDF: 43774321914.6/

- sign -0.133+/-0.000 χ^2/NDF: 18612050267.5/37

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:133920.5/20

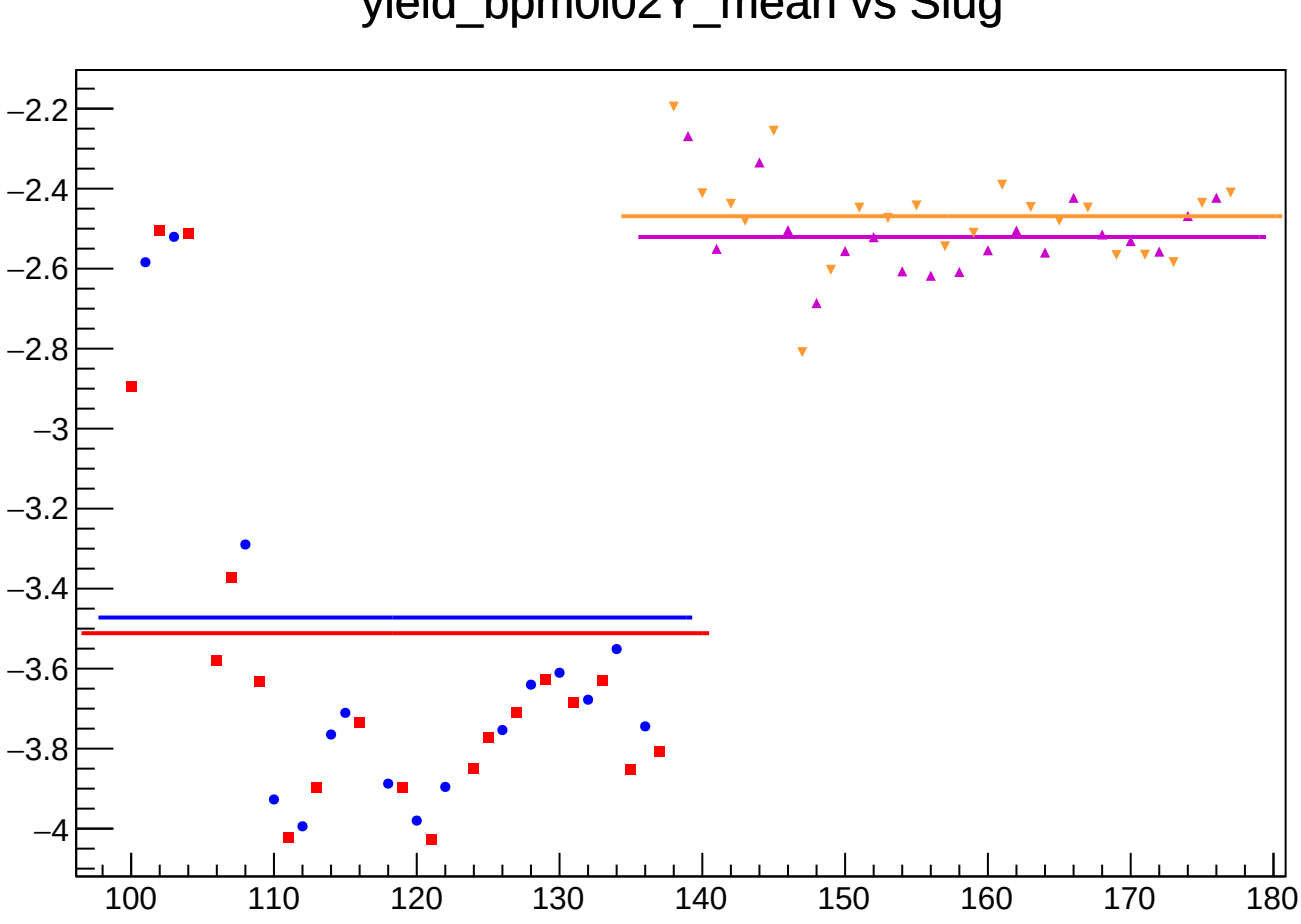
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:235204.1/18

+ sign 0.006+/-0.000 χ^2/NDF: 720021.8/36

All: 0.006+/-0.000 χ^2/NDF: 1472521.9/74

- sign 0.006+/-0.000 χ^2/NDF: 750924.3/37



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.469+/-0.000 χ^2/NDF:2101361259.9/20

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

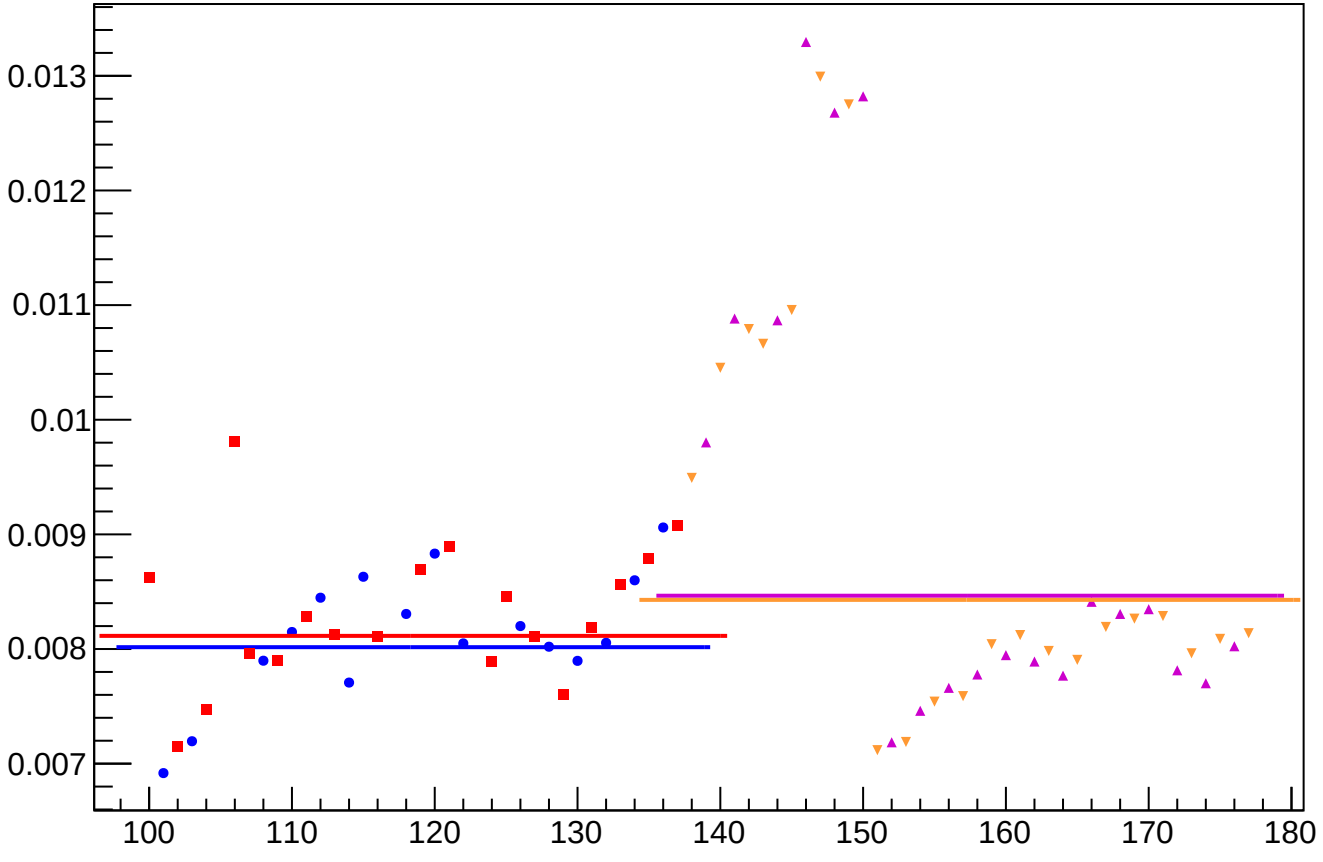
Left In: -2.521+/-0.000 χ^2/NDF:1556249932.7/18

+ sign -2.803+/-0.000 χ^2/NDF: 104661250231.6/36

All: -2.835+/-0.000 χ^2/NDF: 205445527016.8

- sign -2.868+/-0.000 χ^2/NDF: 100119498910.6/37

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:761156.8/20

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

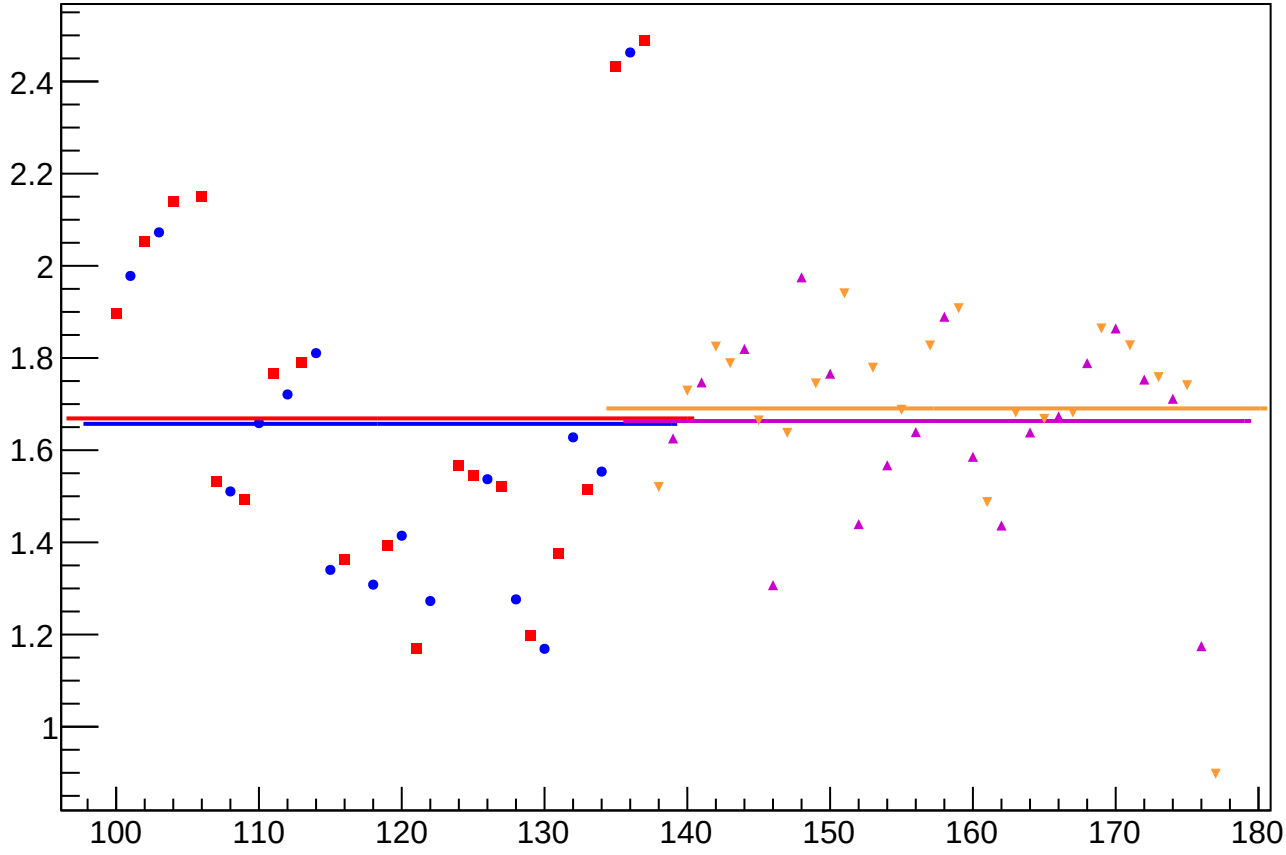
Left In: 0.008+/-0.000 χ^2/NDF:888595.0/18

+ sign 0.008+/-0.000 χ^2/NDF: 872068.0/36

All: 0.008+/-0.000 χ^2/NDF: 1849769.1/74

- sign 0.008+/-0.000 χ^2/NDF: 976877.3/37

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.691+/-0.000 χ^2/NDF:6610220719.3/20

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

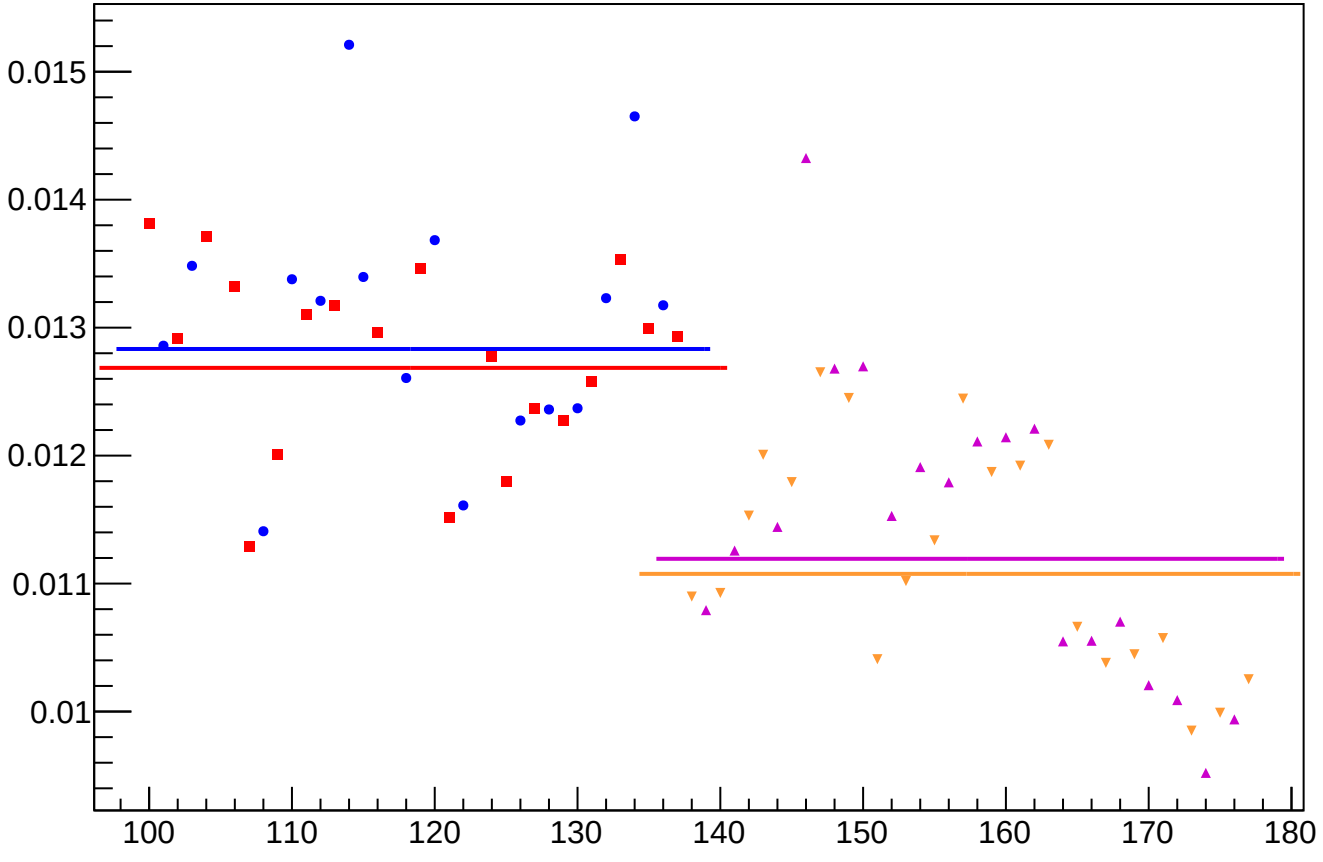
Left In: 1.663+/-0.000 χ^2/NDF:4243357793.0/18

+ sign 1.682+/-0.000 χ^2/NDF: 13312226363.0/36

All: 1.674+/-0.000 χ^2/NDF: 23939633619.8/7

- sign 1.665+/-0.000 χ^2/NDF: 10601981155.9/37

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:183462.2/20

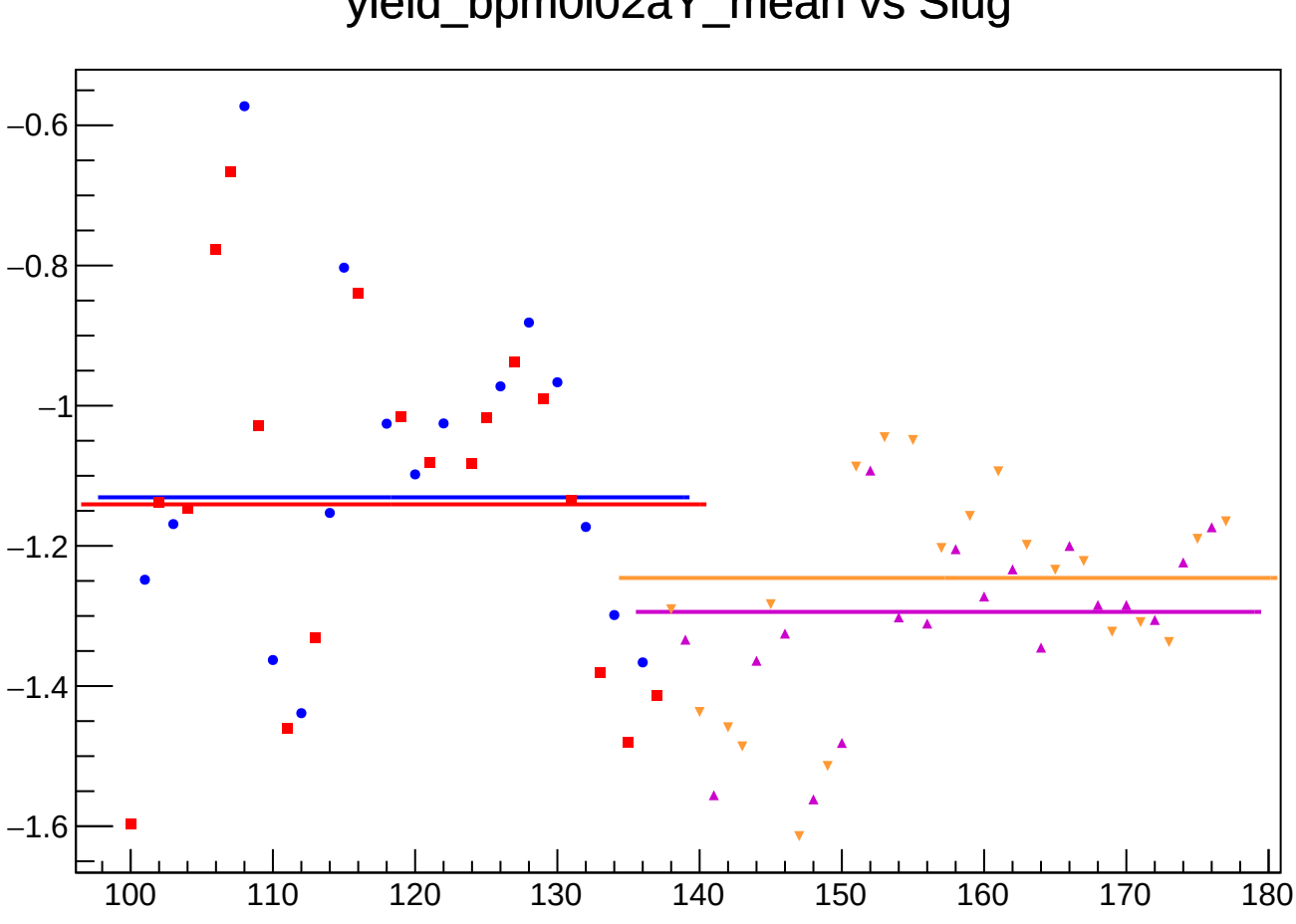
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:282364.3/18

\+ sign 0.012+/-0.000 χ^2/NDF: 433924.7/36

All: 0.012+/-0.000 χ^2/NDF: 905299.3/74

\- sign 0.012+/-0.000 χ^2/NDF: 469831.5/37



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.246+/-0.000 χ^2/NDF:4777467880.3/20

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

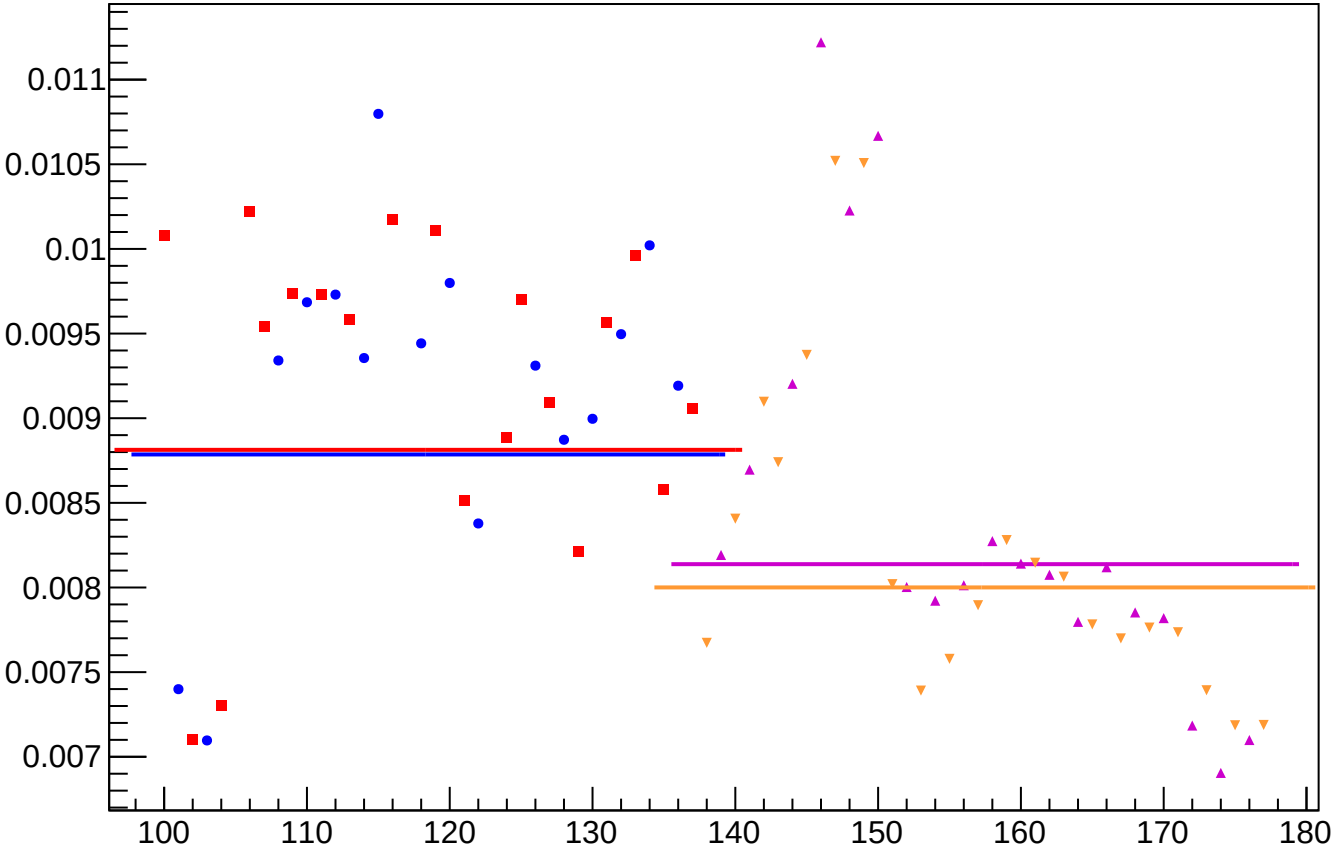
Left In: -1.294+/-0.000 χ^2/NDF:2596602138.1/18

+ sign -1.215+/-0.000 χ^2/NDF: 9425909214.9/36

All: -1.232+/-0.000 χ^2/NDF: 17248788429.1/

- sign -1.250+/-0.000 χ^2/NDF: 7631428136.9/37

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:293971.9/20

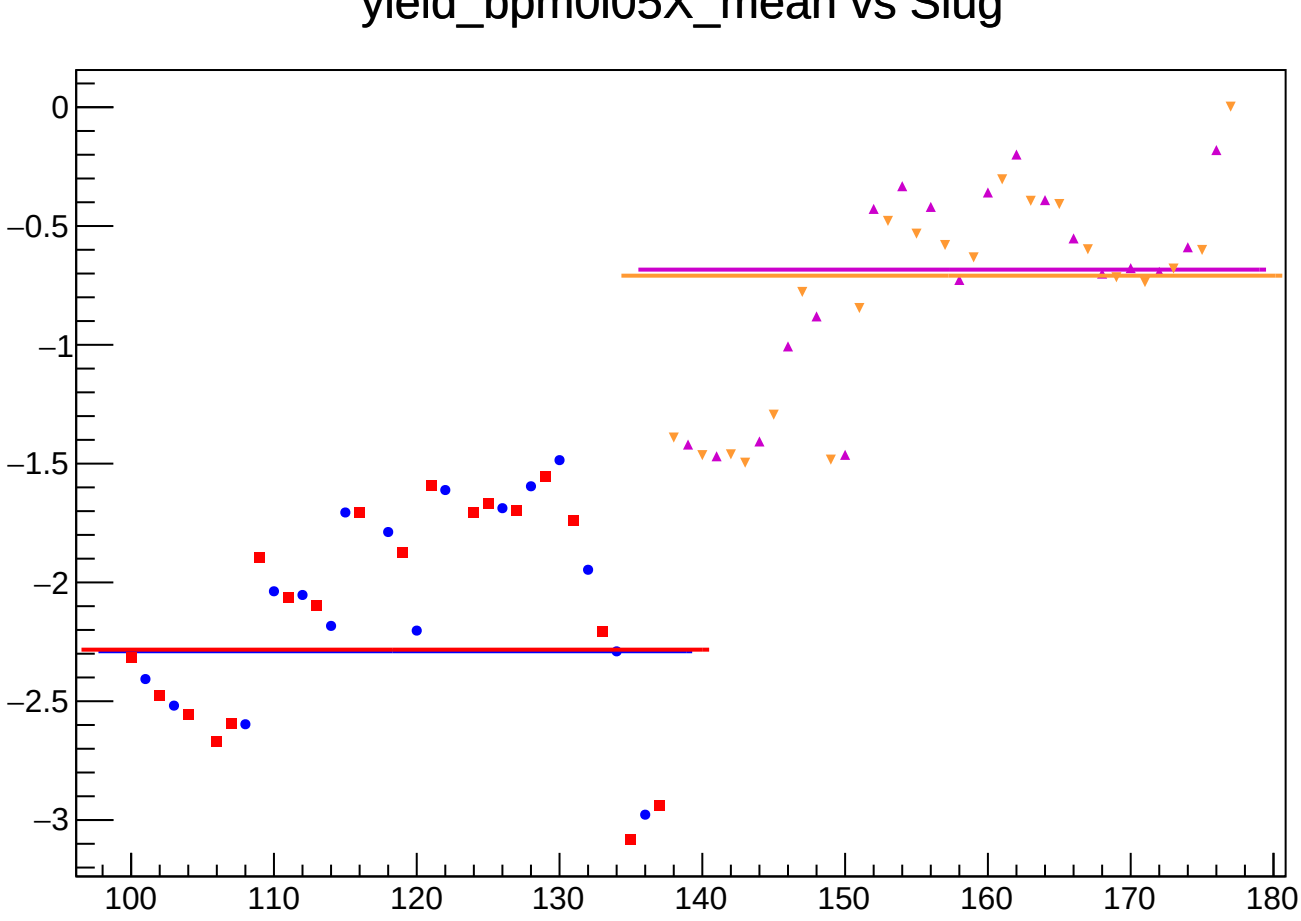
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:398735.2/18

+ sign 0.008+/-0.000 χ^2/NDF: 547500.6/36

All: 0.008+/-0.000 χ^2/NDF: 1213250.4/74

- sign 0.008+/-0.000 χ^2/NDF: 660940.9/37



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.709+/-0.000 χ^2/NDF:46427331879.0/20

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

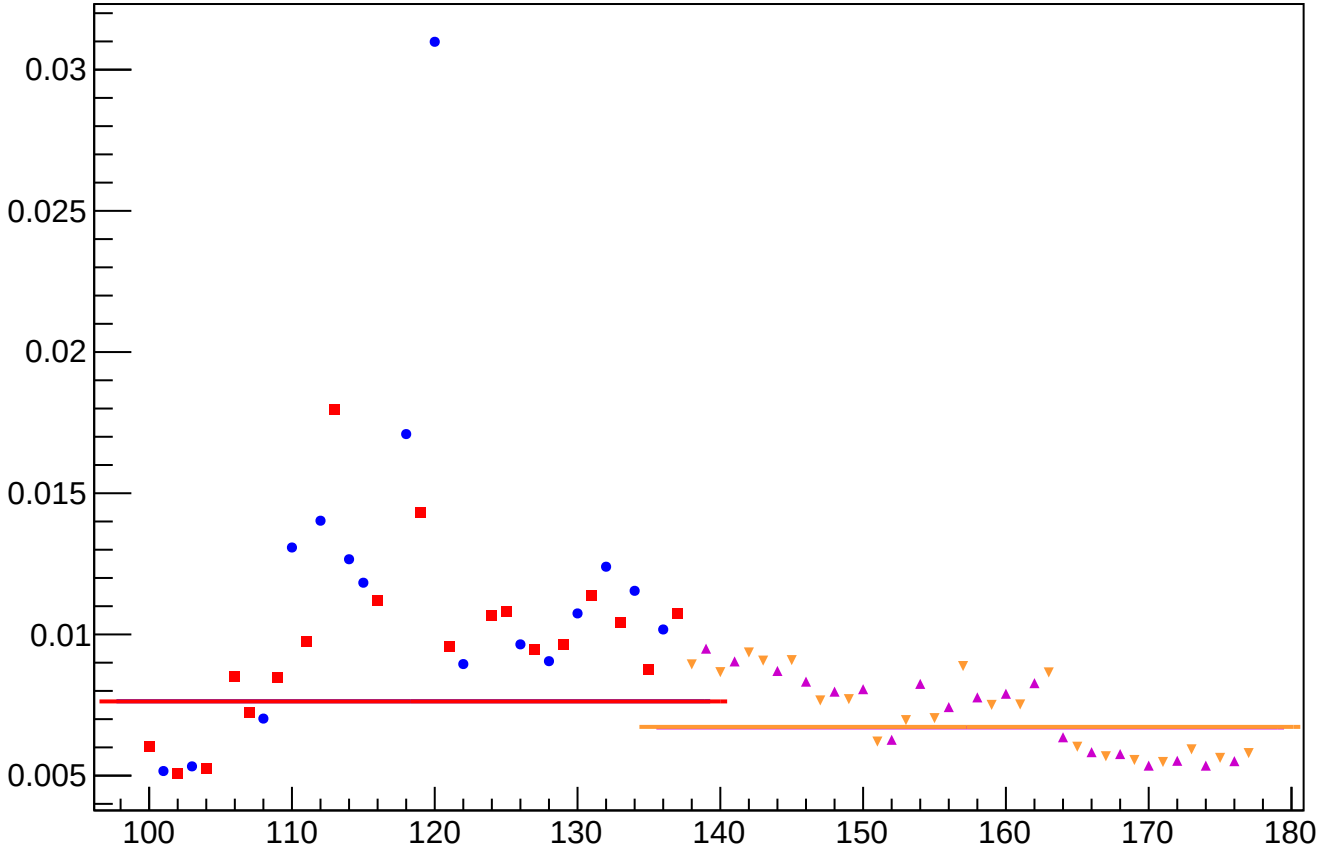
Left In: -0.684+/-0.000 χ^2/NDF:39068397731.3/18

+ sign -1.051+/-0.000 χ^2/NDF: 232442352015.4/36

All: -1.062+/-0.000 χ^2/NDF: 472876244804.5

- sign -1.074+/-0.000 χ^2/NDF: 240332436026.0/37

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:988890.4/20

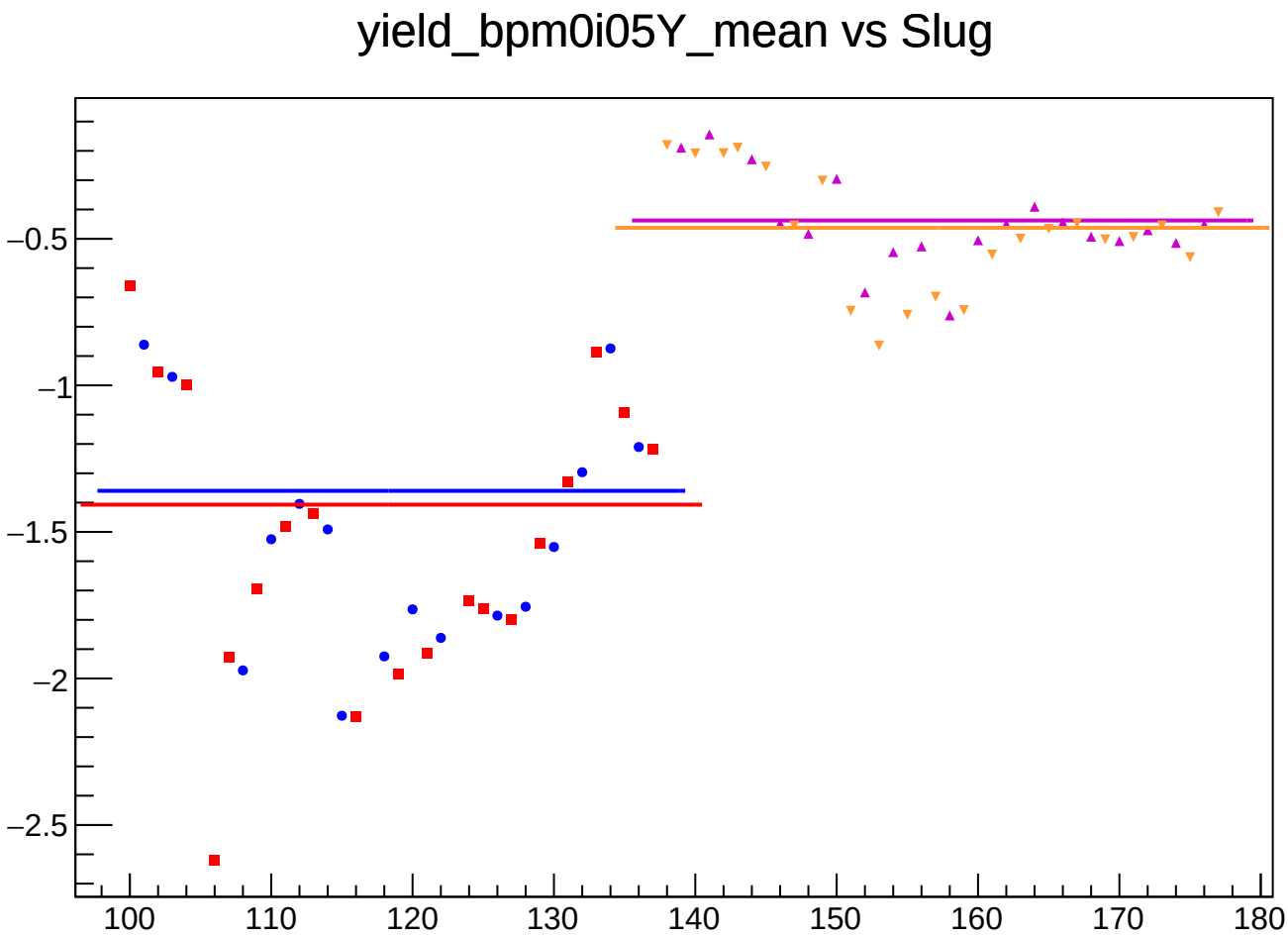
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1048282.6/18

+ sign 0.007+/-0.000 χ^2/NDF: 2812115.0/36

All: 0.007+/-0.000 χ^2/NDF: 5300413.6/74

- sign 0.007+/-0.000 χ^2/NDF: 2488268.0/37



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.463+/-0.000 χ^2/NDF:28555942824.4/20

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

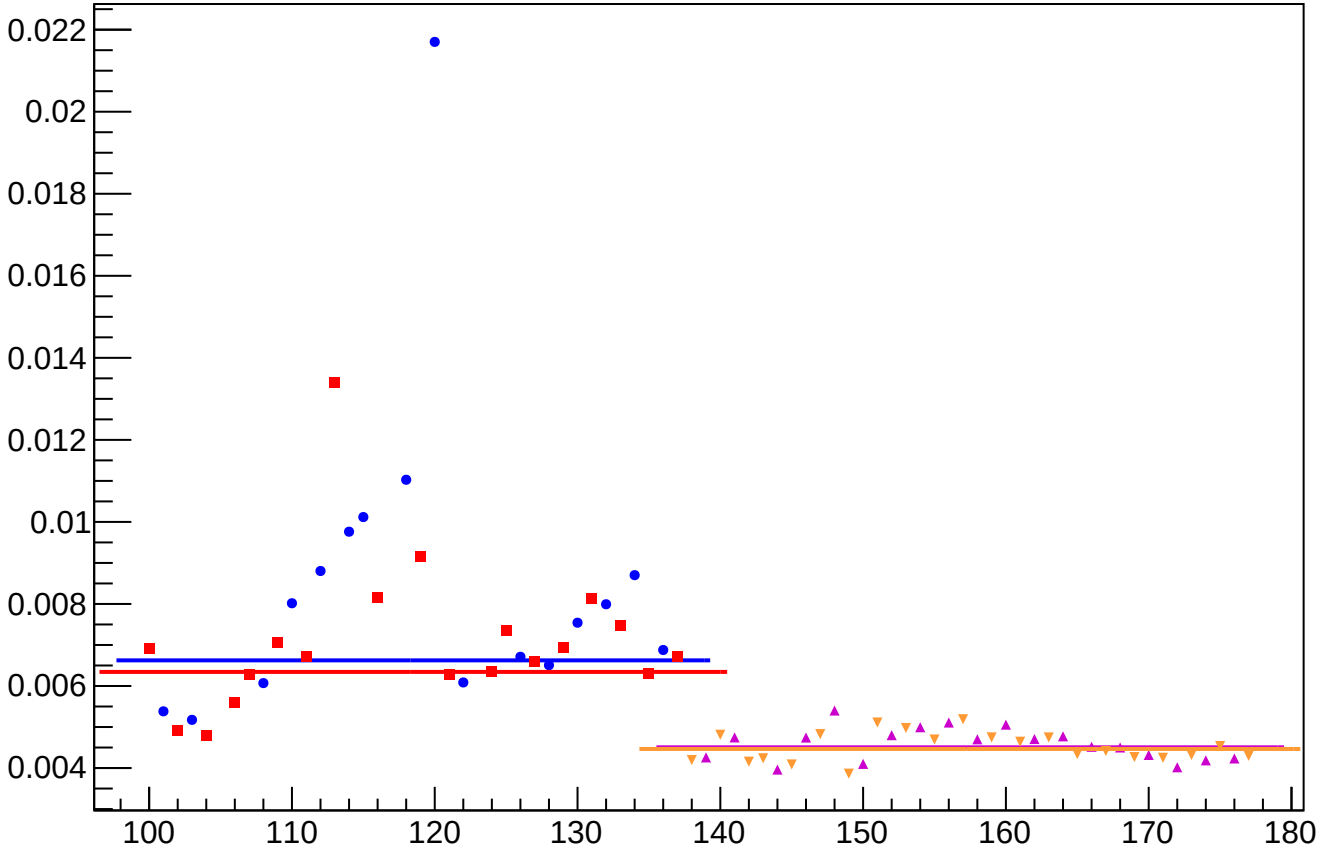
Left In: -0.437+/-0.000 χ^2/NDF:16427480937.0/18

+ sign -0.595+/-0.000 χ^2/NDF: 140512397225.0/36

All: -0.604+/-0.000 χ^2/NDF: 304059688586.

- sign -0.612+/-0.000 χ^2/NDF: 163424595884.2/37

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:172504.3/20

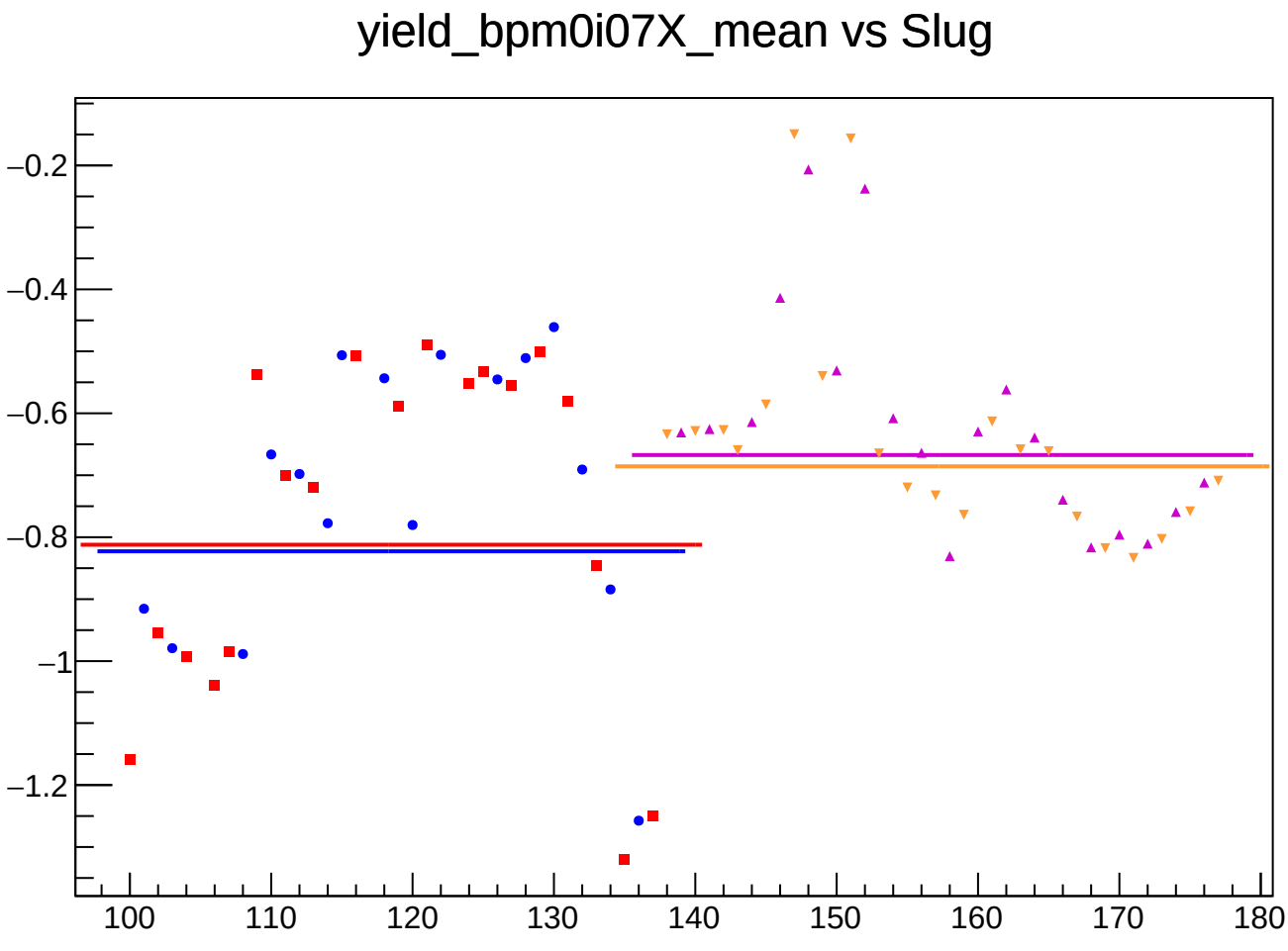
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:203281.8/18

+ sign 0.005+/-0.000 χ^2/NDF: 1914552.6/36

All: 0.005+/-0.000 χ^2/NDF: 3491648.2/74

- sign 0.005+/-0.000 χ^2/NDF: 1574781.8/37



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.686+/-0.000 χ^2/NDF:22328081692.5/20

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

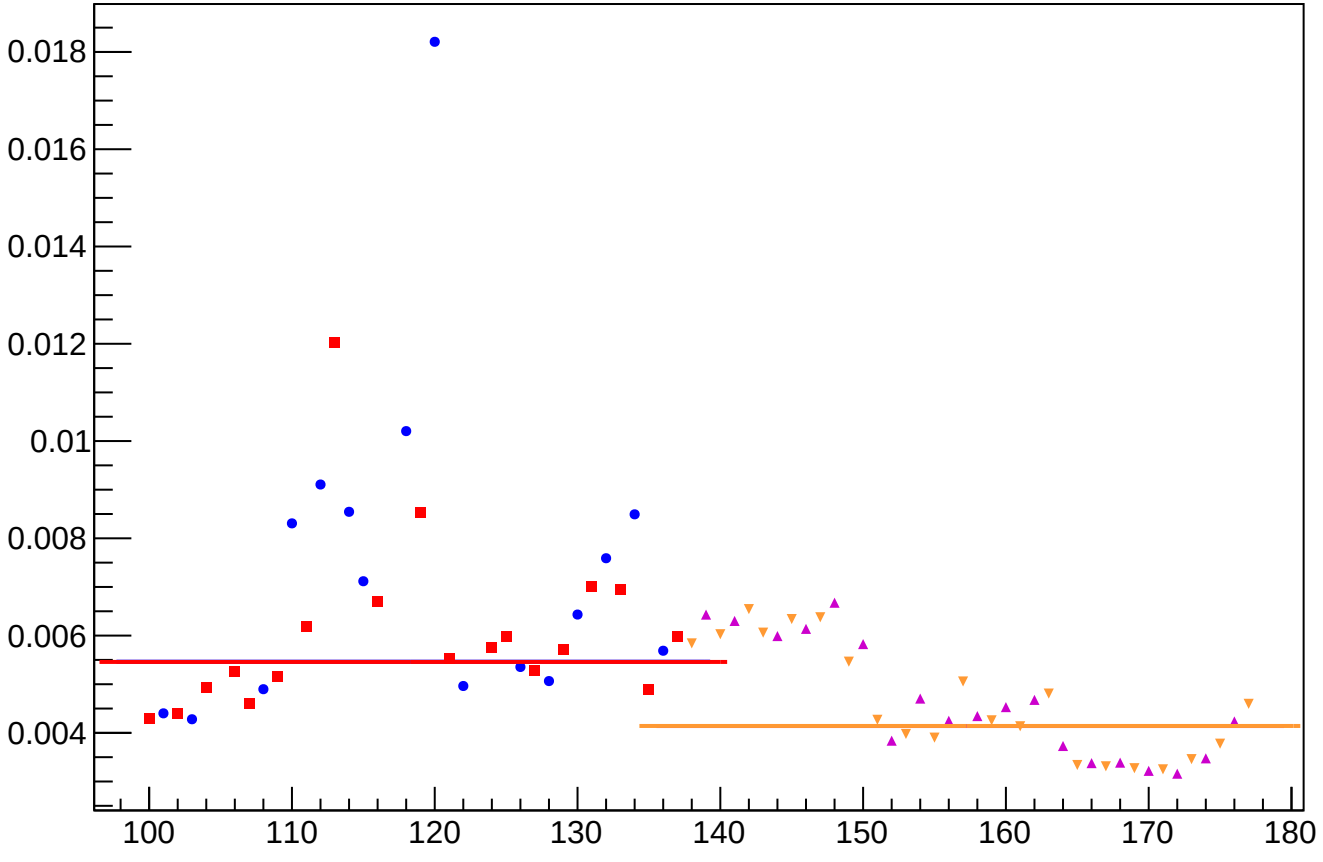
Left In: -0.667+/-0.000 χ^2/NDF:22453129268.5/18

+ sign -0.711+/-0.000 χ^2/NDF: 37391789459.1/36

All: -0.704+/-0.000 χ^2/NDF: 78108188053.0/

- sign -0.697+/-0.000 χ^2/NDF: 40629477359.9/37

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:1502793.5/20

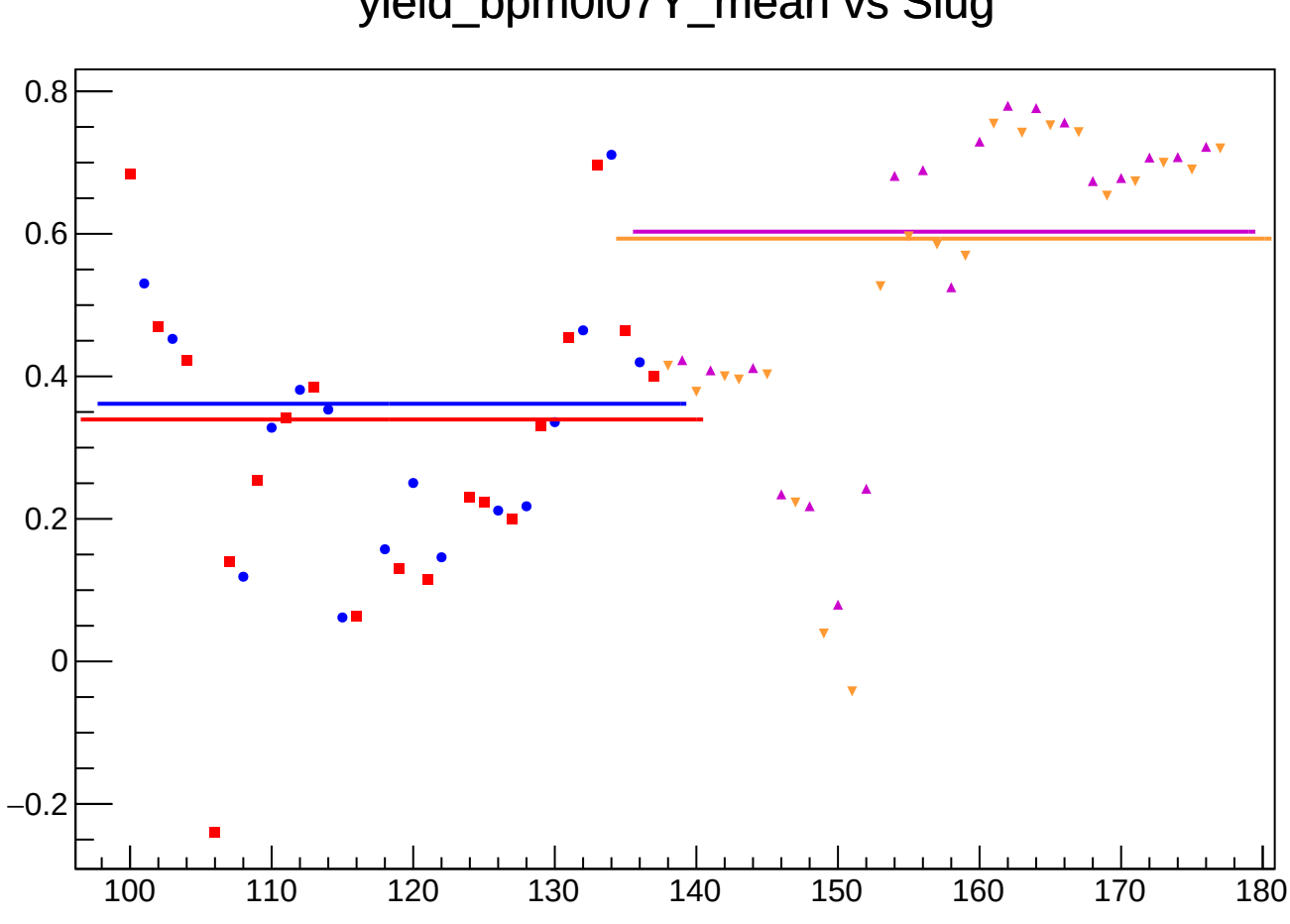
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1603403.6/18

+ sign 0.004+/-0.000 χ^2/NDF: 2991468.1/36

All: 0.004+/-0.000 χ^2/NDF: 5658698.7/74

- sign 0.004+/-0.000 χ^2/NDF: 2666276.0/37



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.593+/-0.000 χ^2/NDF:42727114644.4/20

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

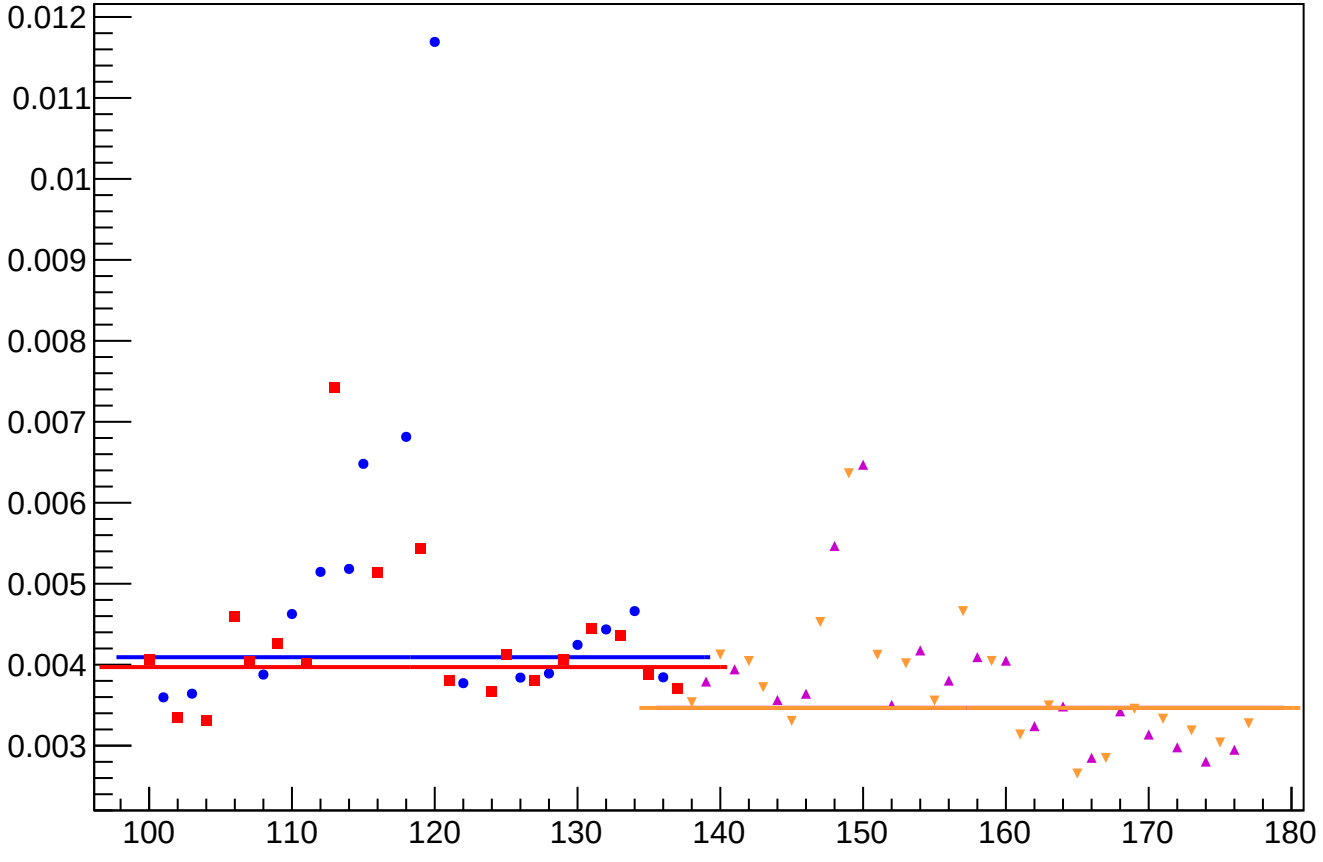
Left In: 0.603+/-0.000 χ^2/NDF:37462869083.0/18

+ sign 0.537+/-0.000 χ^2/NDF: 66361885295.7/36

All: 0.533+/-0.000 χ^2/NDF: 136315685332.8

- sign 0.530+/-0.000 χ^2/NDF: 69914902234.6/37

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:807119.2/20

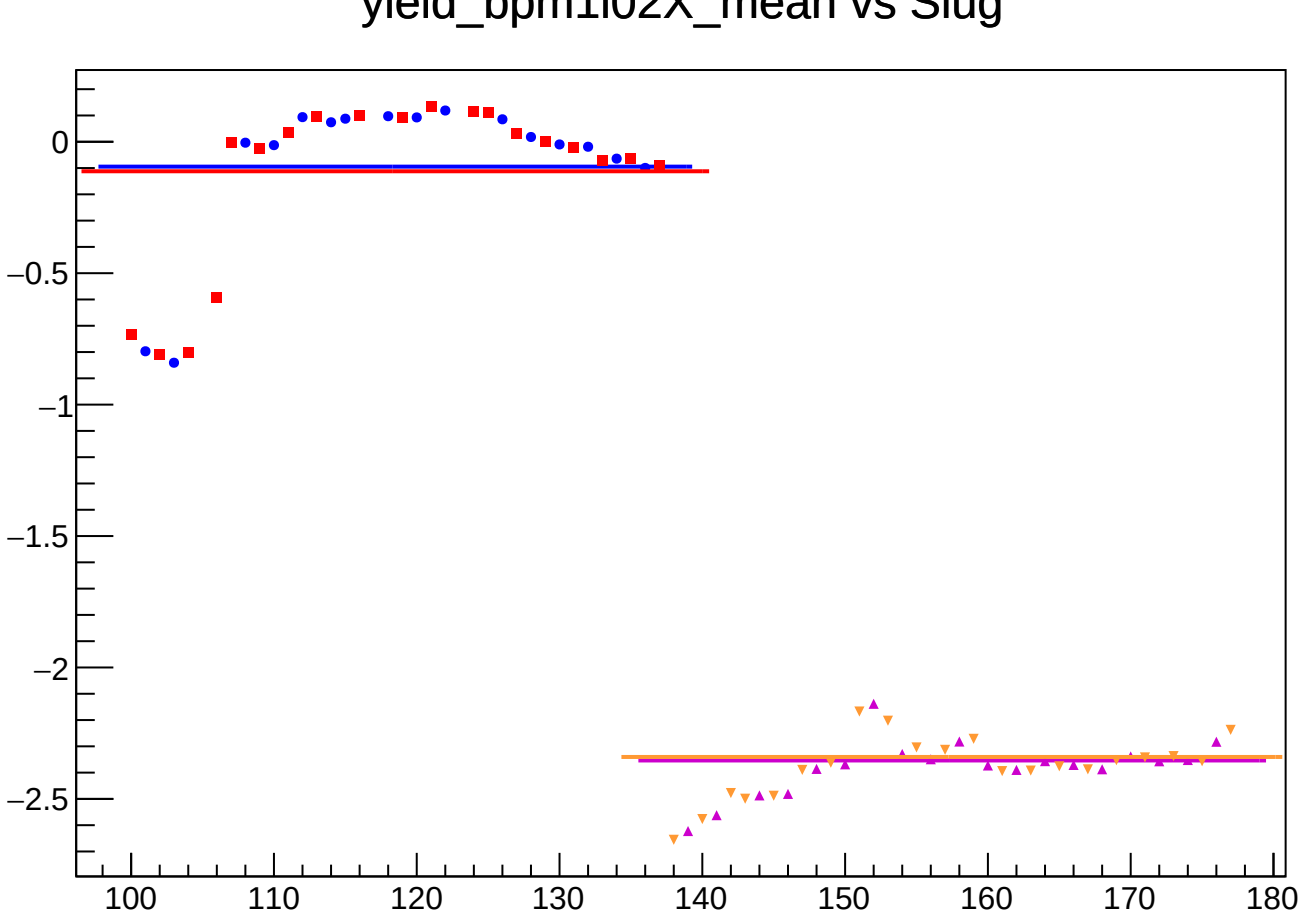
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:862592.2/18

+ sign 0.004+/-0.000 χ^2/NDF: 1516143.9/36

All: 0.004+/-0.000 χ^2/NDF: 2841237.1/74

- sign 0.004+/-0.000 χ^2/NDF: 1324908.8/37



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.340+/-0.000 χ^2/NDF:1832062510.6/20

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

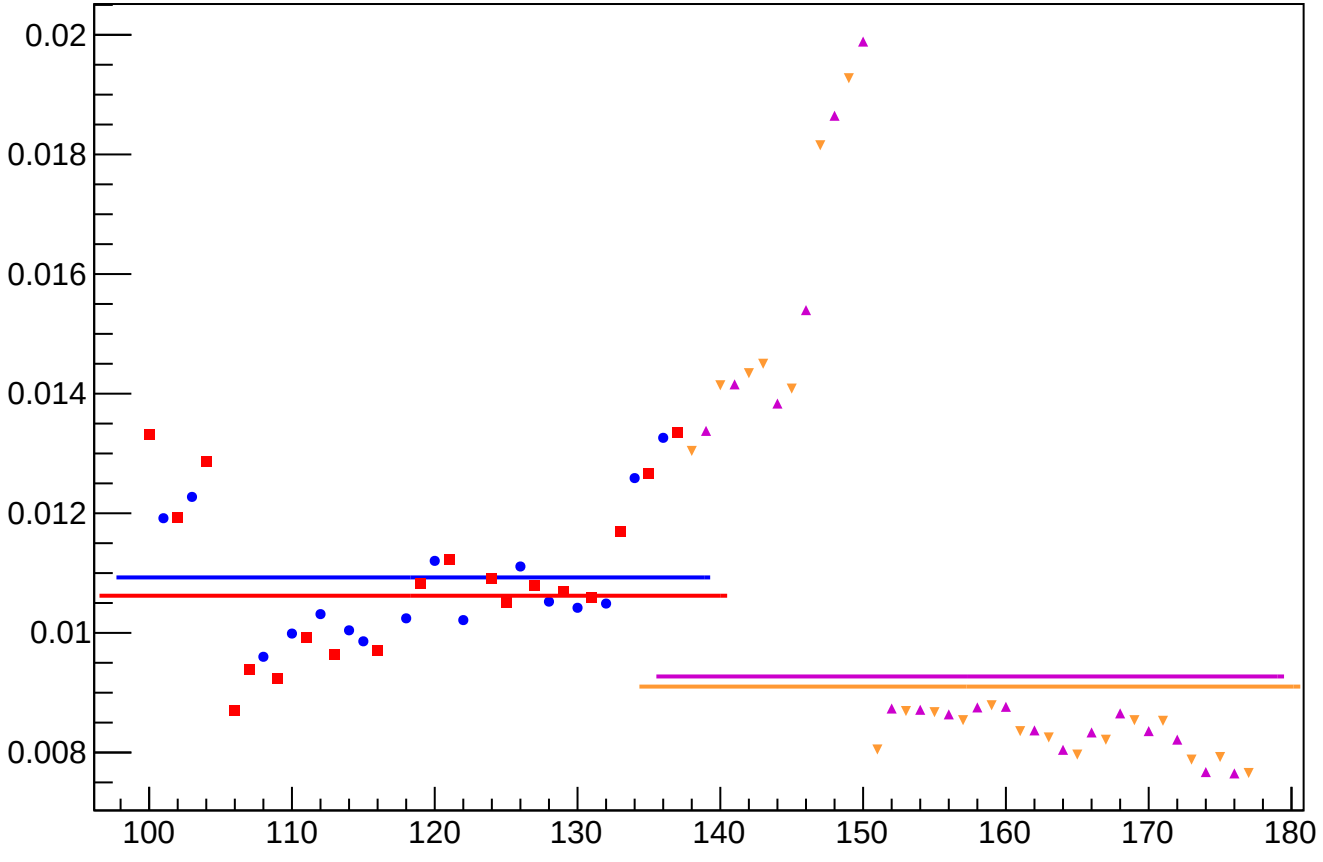
Left In: -2.354+/-0.000 χ^2/NDF:1359114488.3/18

+ sign -1.798+/-0.000 χ^2/NDF: 235486715603.8/36

All: -1.763+/-0.000 χ^2/NDF: 479885741530.1

- sign -1.725+/-0.000 χ^2/NDF: 243761716610.5/37

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:2030431.3/20

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

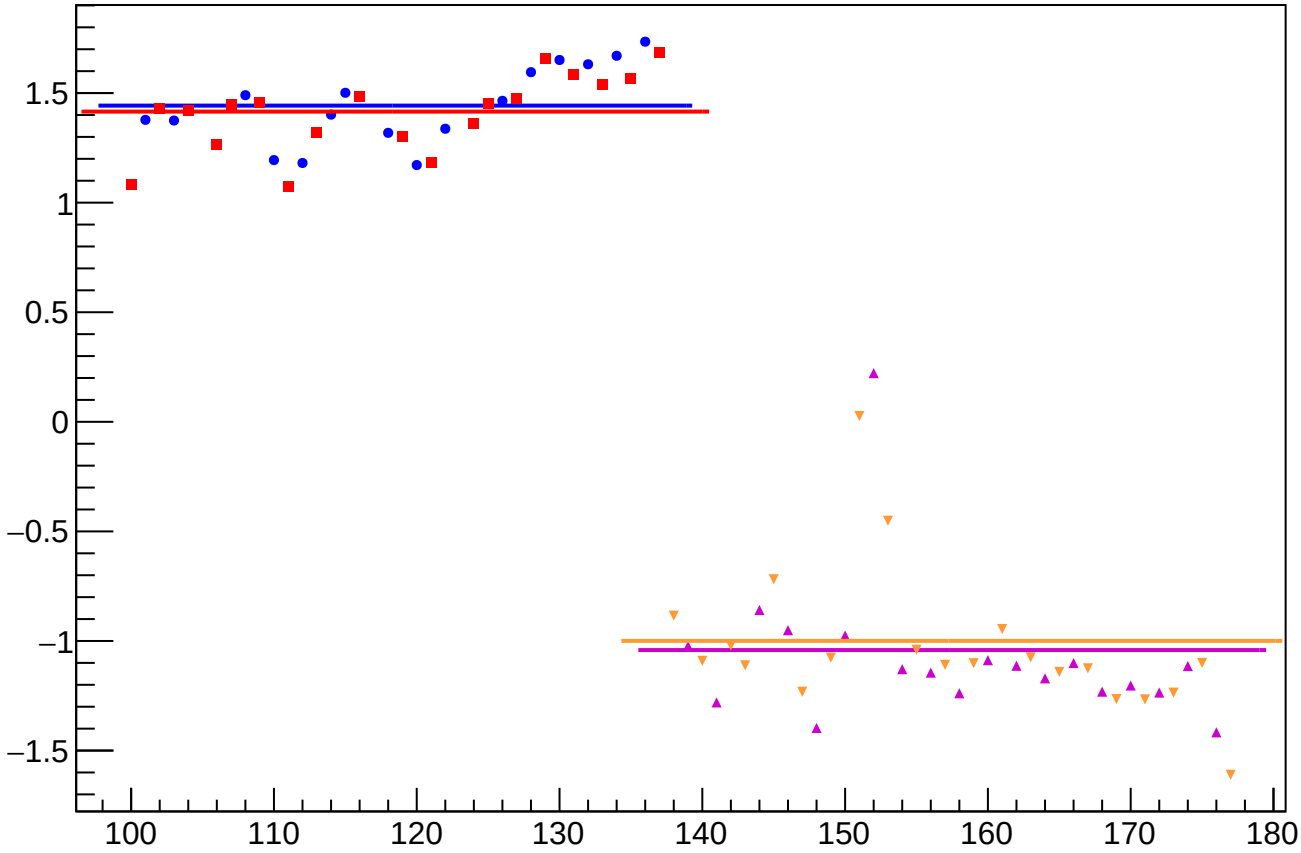
Left In: 0.009+/-0.000 χ^2/NDF:2058216.2/18

+ sign 0.010+/-0.000 χ^2/NDF: 2468369.5/36

All: 0.010+/-0.000 χ^2/NDF: 4891215.9/74

- sign 0.010+/-0.000 χ^2/NDF: 2420100.6/37

yield_bpm1i02Y_mean vs Slug



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.999+/-0.000 χ^2/NDF:43274570071.6/20

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

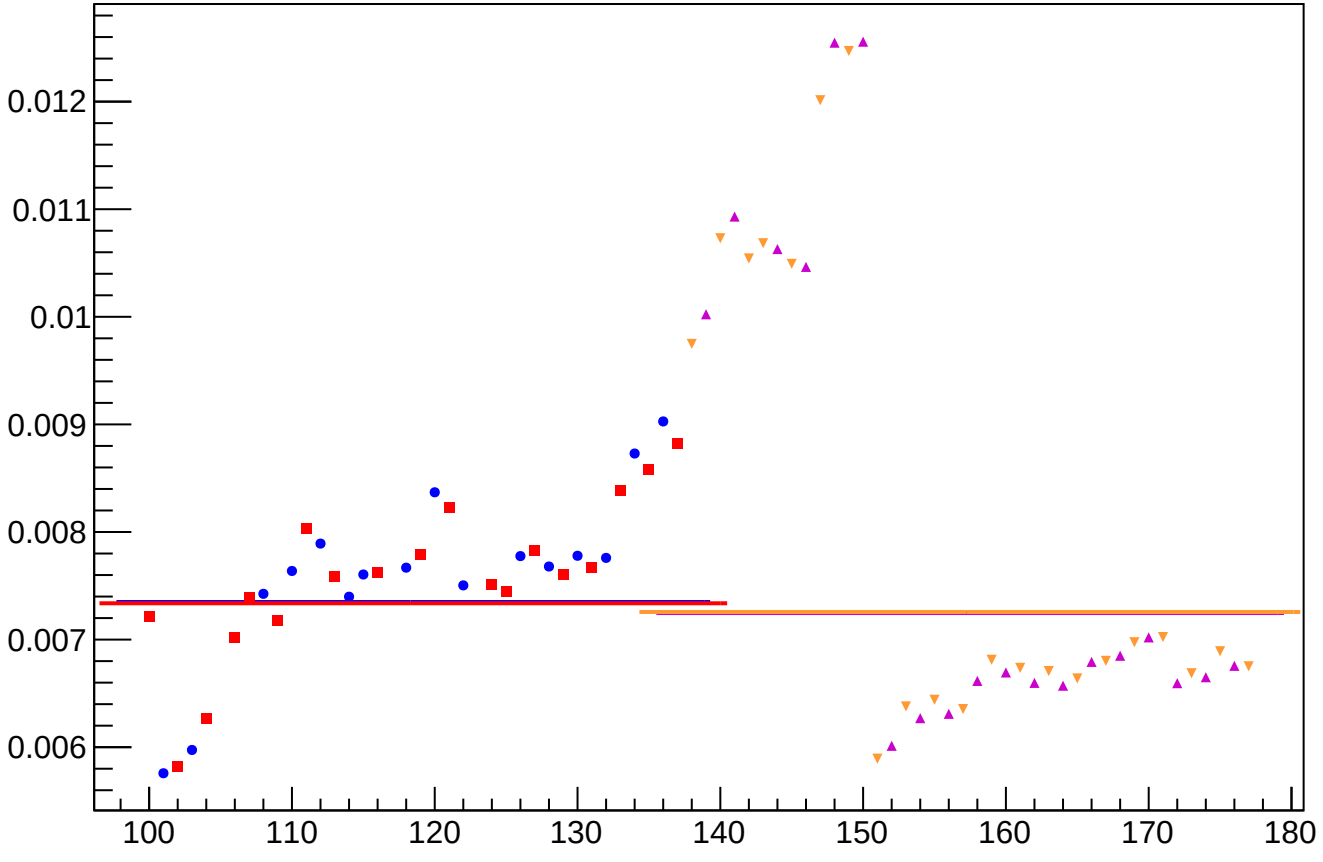
Left In: -1.041+/-0.000 χ^2/NDF:45056487119.1/18

+ sign -0.258+/-0.000 χ^2/NDF: 590352666383.1/36

All: -0.246+/-0.000 χ^2/NDF: 1193153699784

- sign -0.234+/-0.000 χ^2/NDF: 602676937462.3/37

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:1487108.0/20

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

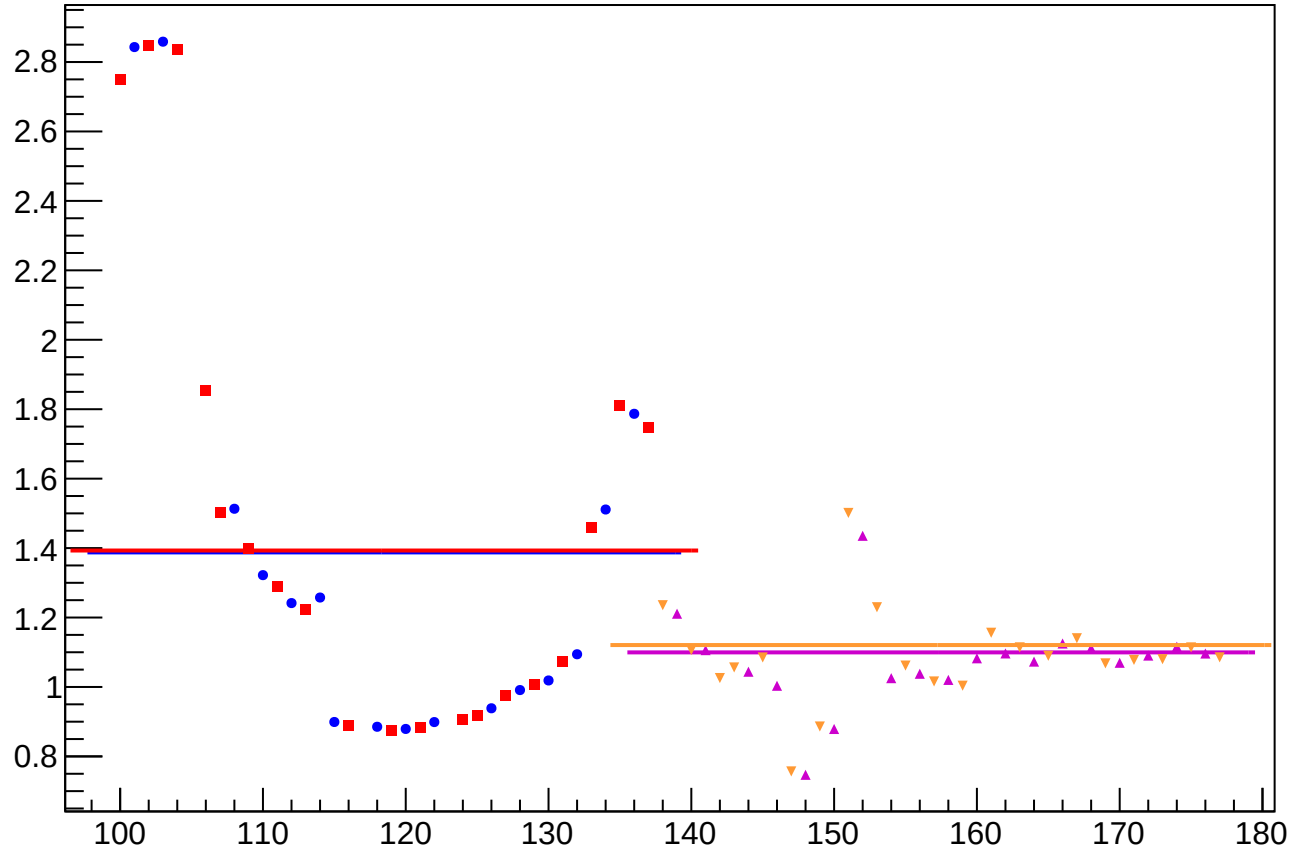
Left In: 0.007+/-0.000 χ^2/NDF:1553316.2/18

+ sign 0.007+/-0.000 χ^2/NDF: 1759536.8/36

All: 0.007+/-0.000 χ^2/NDF: 3509759.1/74

- sign 0.007+/-0.000 χ^2/NDF: 1750194.6/37

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.121+/-0.000 χ^2/NDF:5510092851.6/20

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

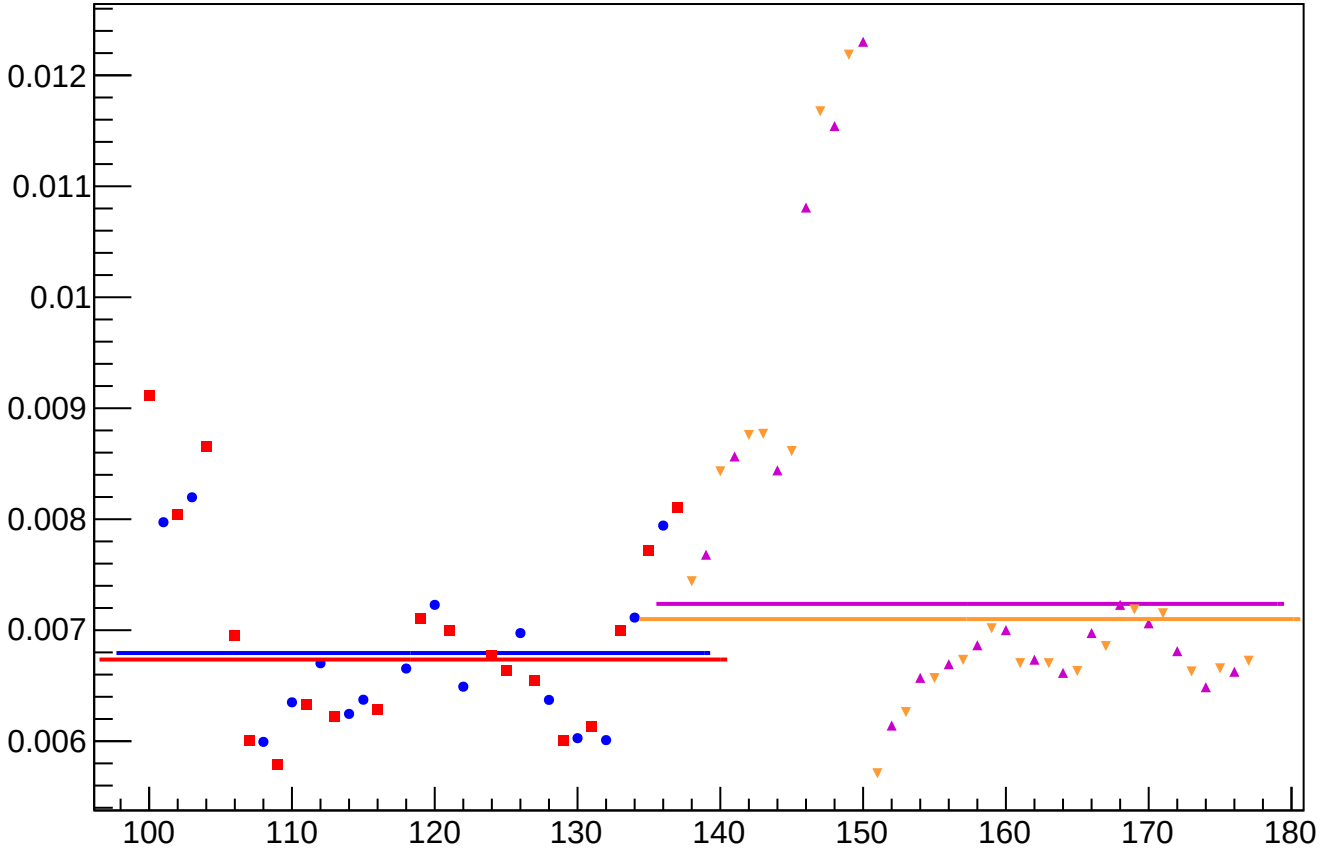
Left In: 1.100+/-0.000 χ^2/NDF:4185699384.4/18

+ sign 1.209+/-0.000 χ^2/NDF: 71469310742.4/36

All: 1.208+/-0.000 χ^2/NDF: 139877014566.5

- sign 1.207+/-0.000 χ^2/NDF: 68407003231.3/37

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:849458.3/20

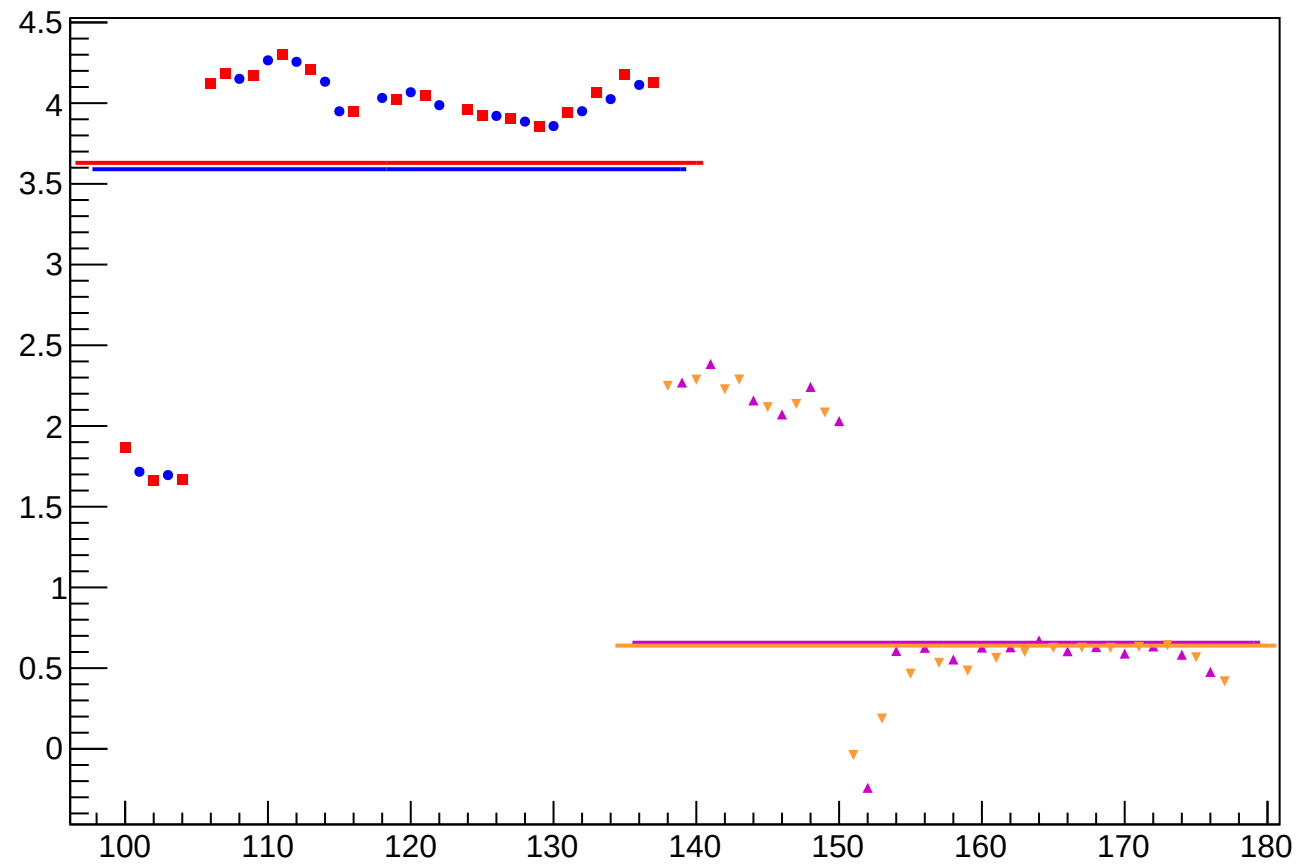
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:908680.7/18

+ sign 0.007+/-0.000 χ^2/NDF: 1033211.7/36

All: 0.007+/-0.000 χ^2/NDF: 2193465.8/74

- sign 0.007+/-0.000 χ^2/NDF: 1158910.5/37



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.640+/-0.000 χ^2/NDF:247791537804.1/20

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

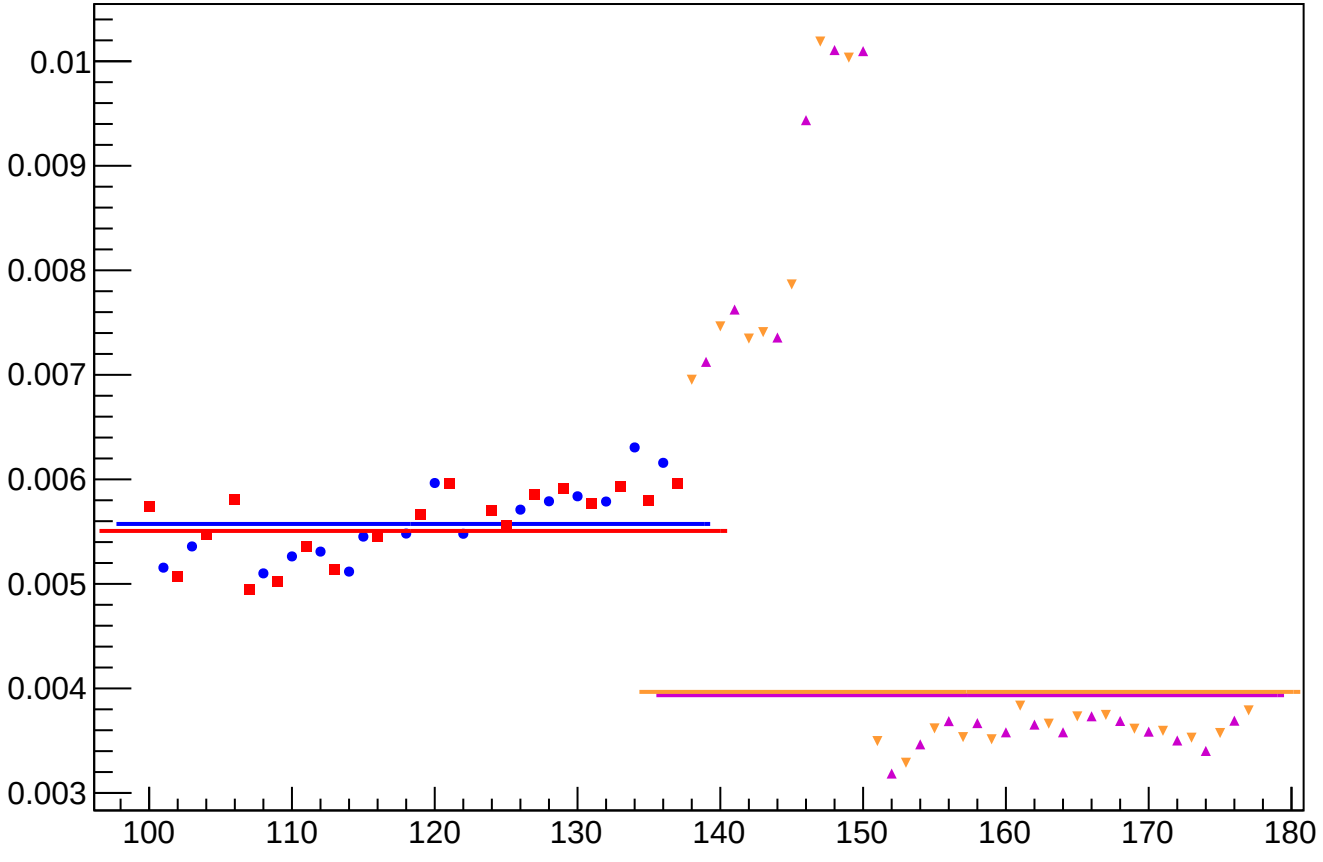
Left In: 0.657+/-0.000 χ^2/NDF:245345661645.7/18

+ sign 1.229+/-0.000 χ^2/NDF: 2058156784353.7/36

All: 1.264+/-0.000 χ^2/NDF: 4186128873422.

- sign 1.301+/-0.000 χ^2/NDF: 2124992446407.7/37

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:2897838.8/20

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

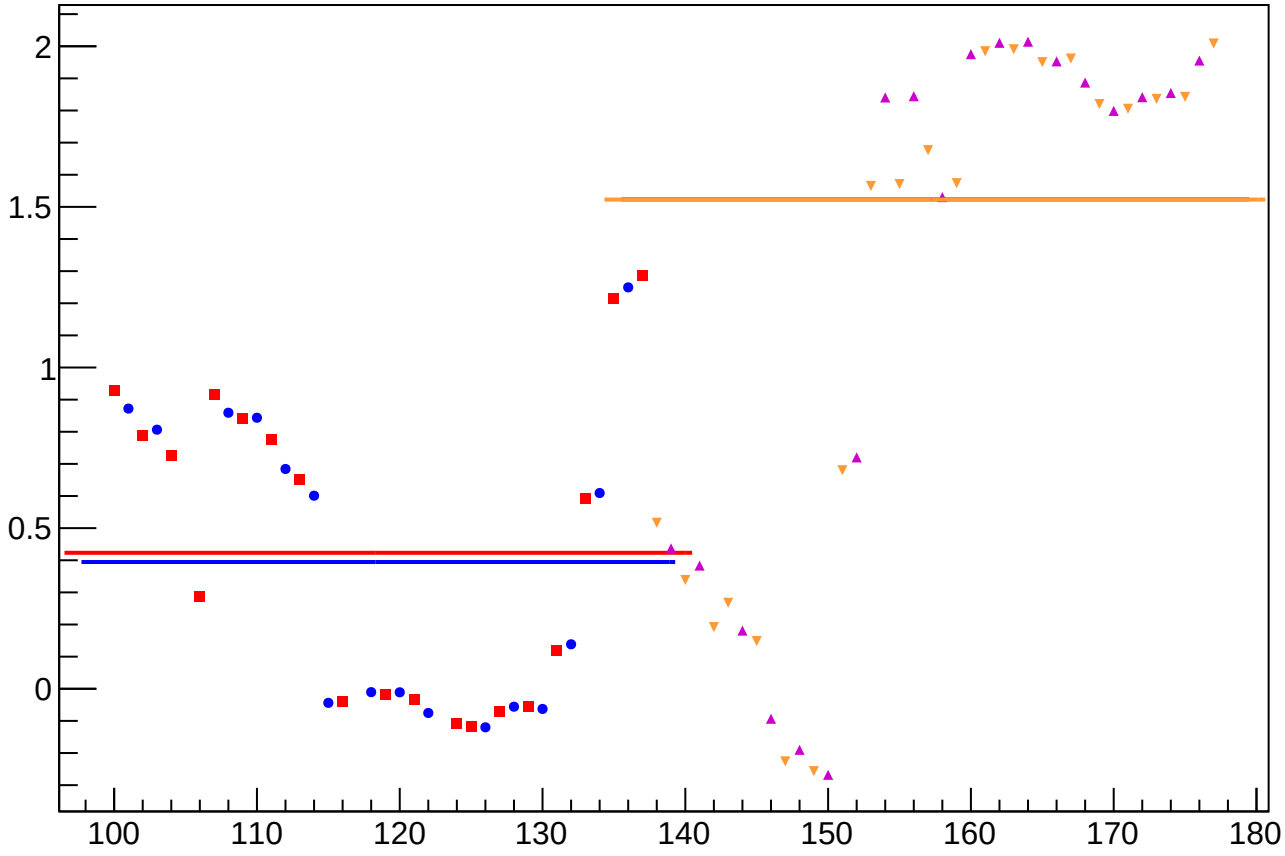
Left In: 0.004+/-0.000 χ^2/NDF:3103537.1/18

+ sign 0.004+/-0.000 χ^2/NDF: 3910227.7/36

All: 0.004+/-0.000 χ^2/NDF: 8003100.5/74

- sign 0.004+/-0.000 χ^2/NDF: 4092705.3/37

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.523+/-0.000 χ^2/NDF:57508288034.6/20

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

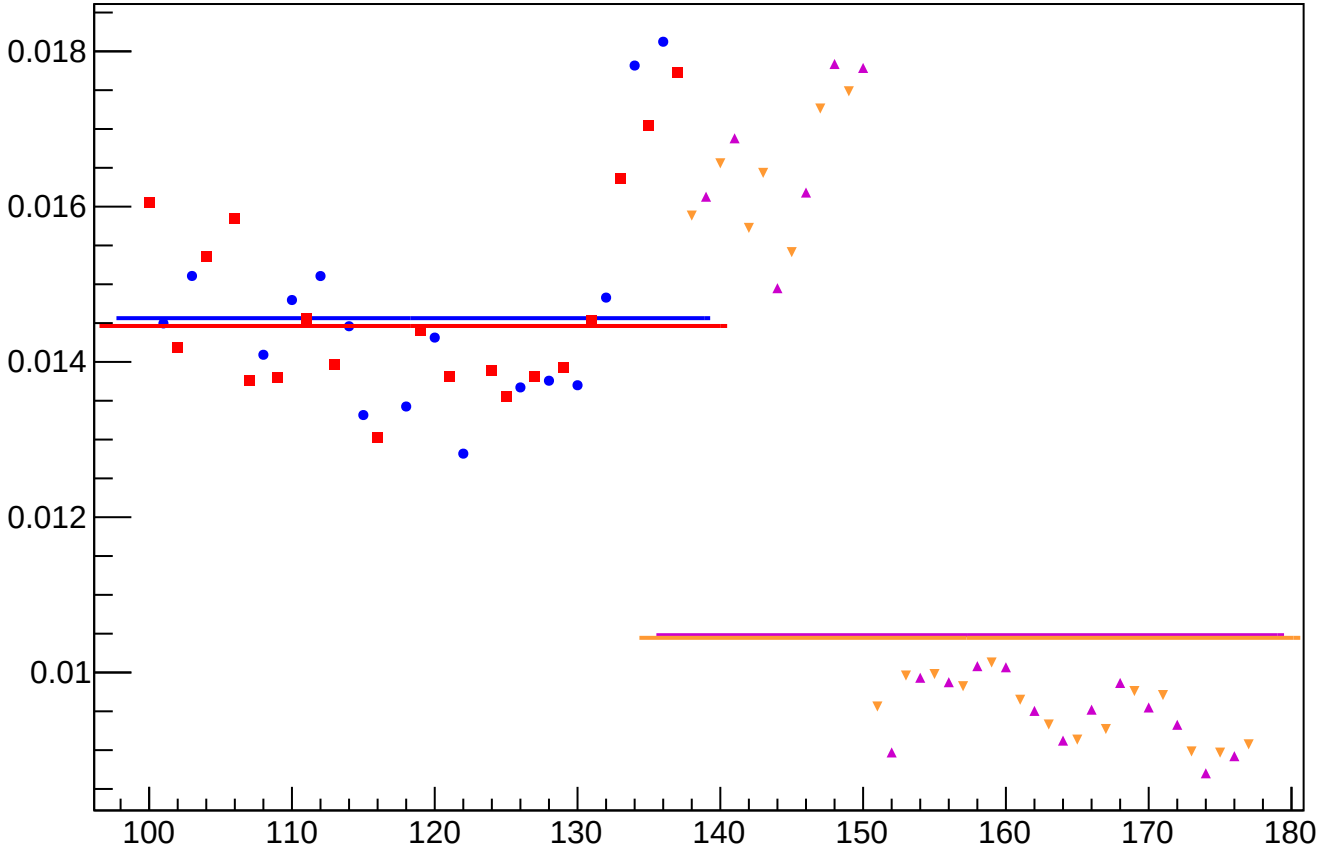
Left In: 1.523+/-0.000 χ^2/NDF:61025157343.7/18

+ sign 1.309+/-0.000 χ^2/NDF: 99428427385.9/36

All: 1.302+/-0.000 χ^2/NDF: 200734848424.5

- sign 1.294+/-0.000 χ^2/NDF: 101287815120.3/37

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:1658249.8/20

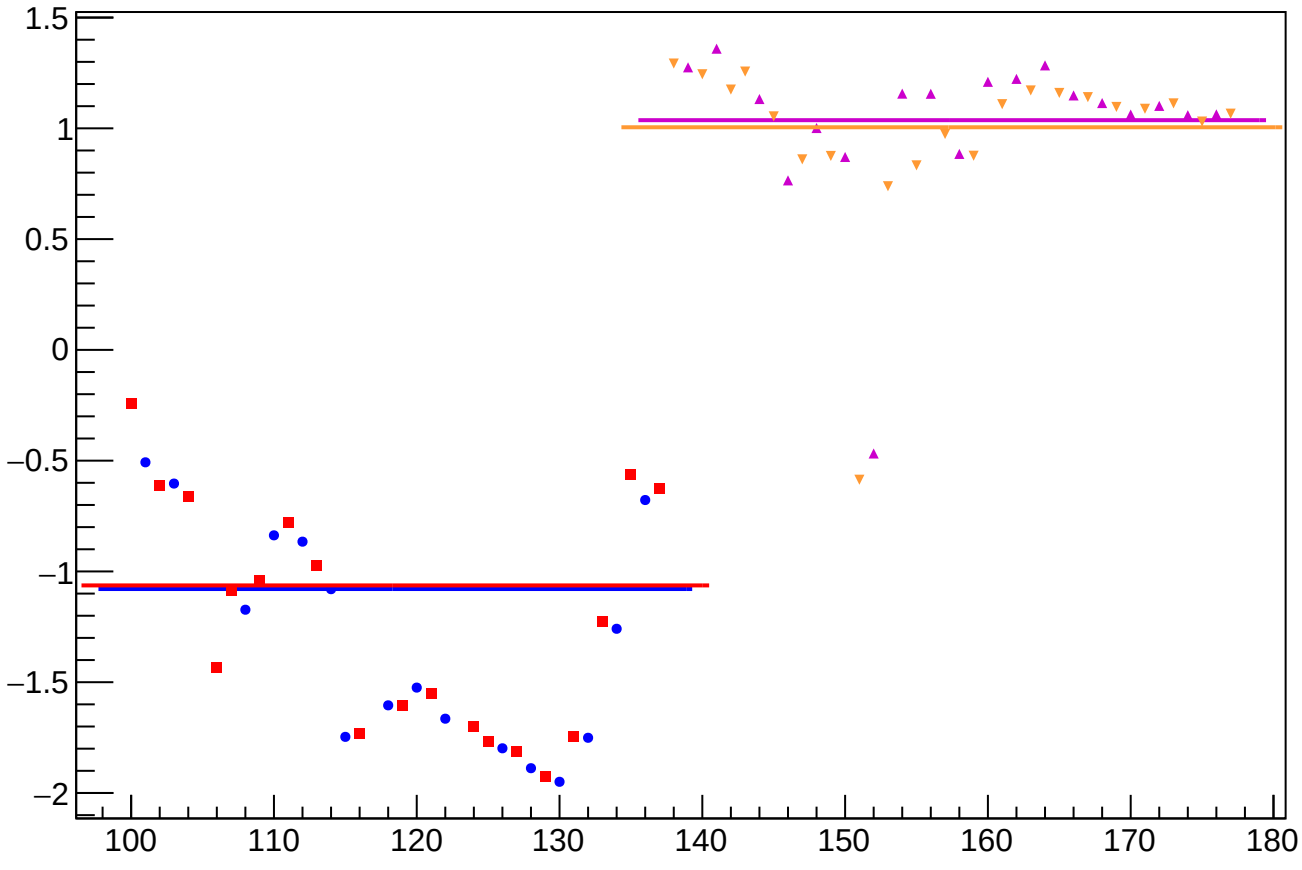
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1690137.6/18

+ sign 0.011+/-0.000 χ^2/NDF: 2710545.6/36

All: 0.011+/-0.000 χ^2/NDF: 5353691.0/74

- sign 0.011+/-0.000 χ^2/NDF: 2641952.6/37



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.005+/-0.000 χ^2/NDF:110817290251.9/20

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

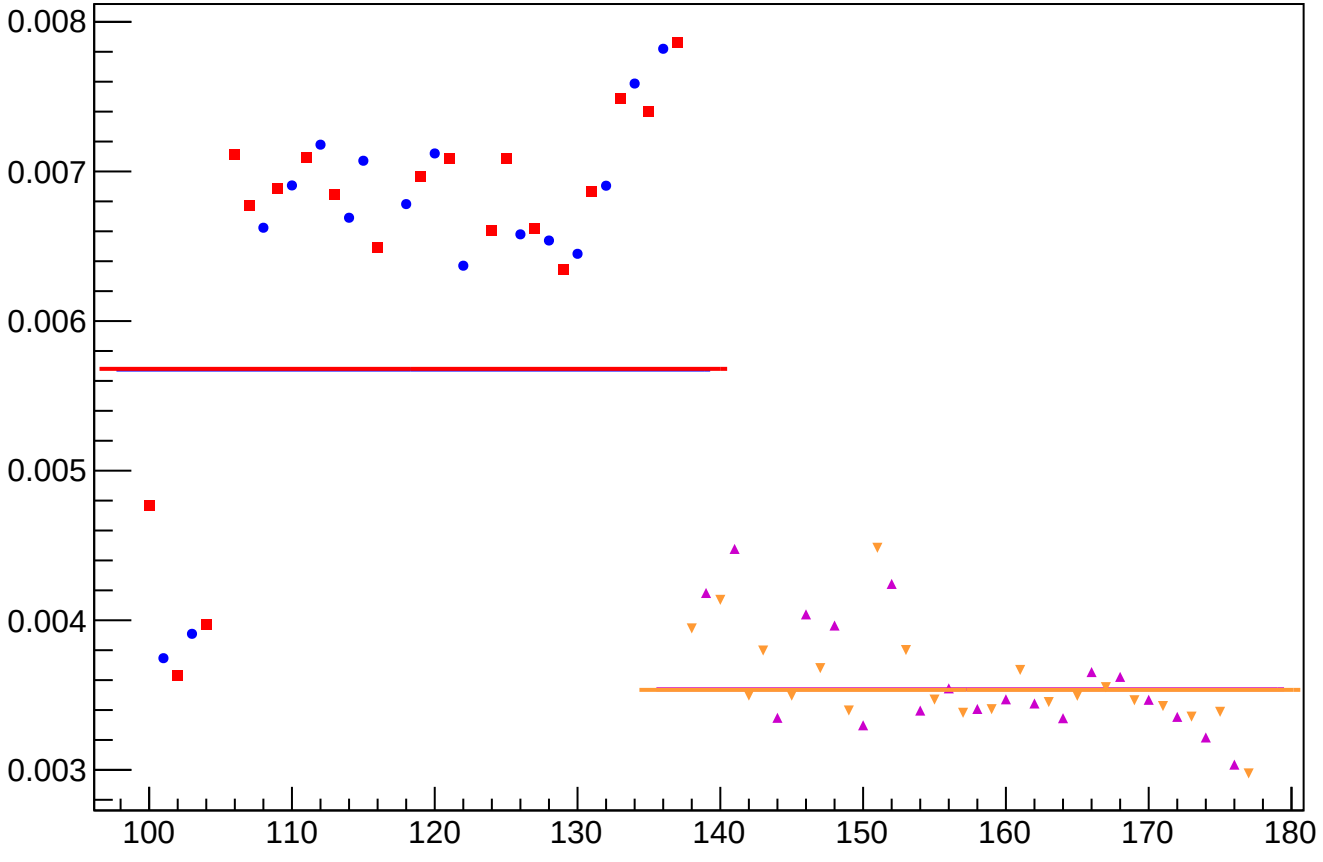
Left In: 1.037+/-0.000 χ^2/NDF:125260806463.0/18

+ sign 0.712+/-0.000 χ^2/NDF: 908442870788.7/36

All: 0.715+/-0.000 χ^2/NDF: 1831121258721.

- sign 0.718+/-0.000 χ^2/NDF: 922651923193.3/37

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:201084.6/20

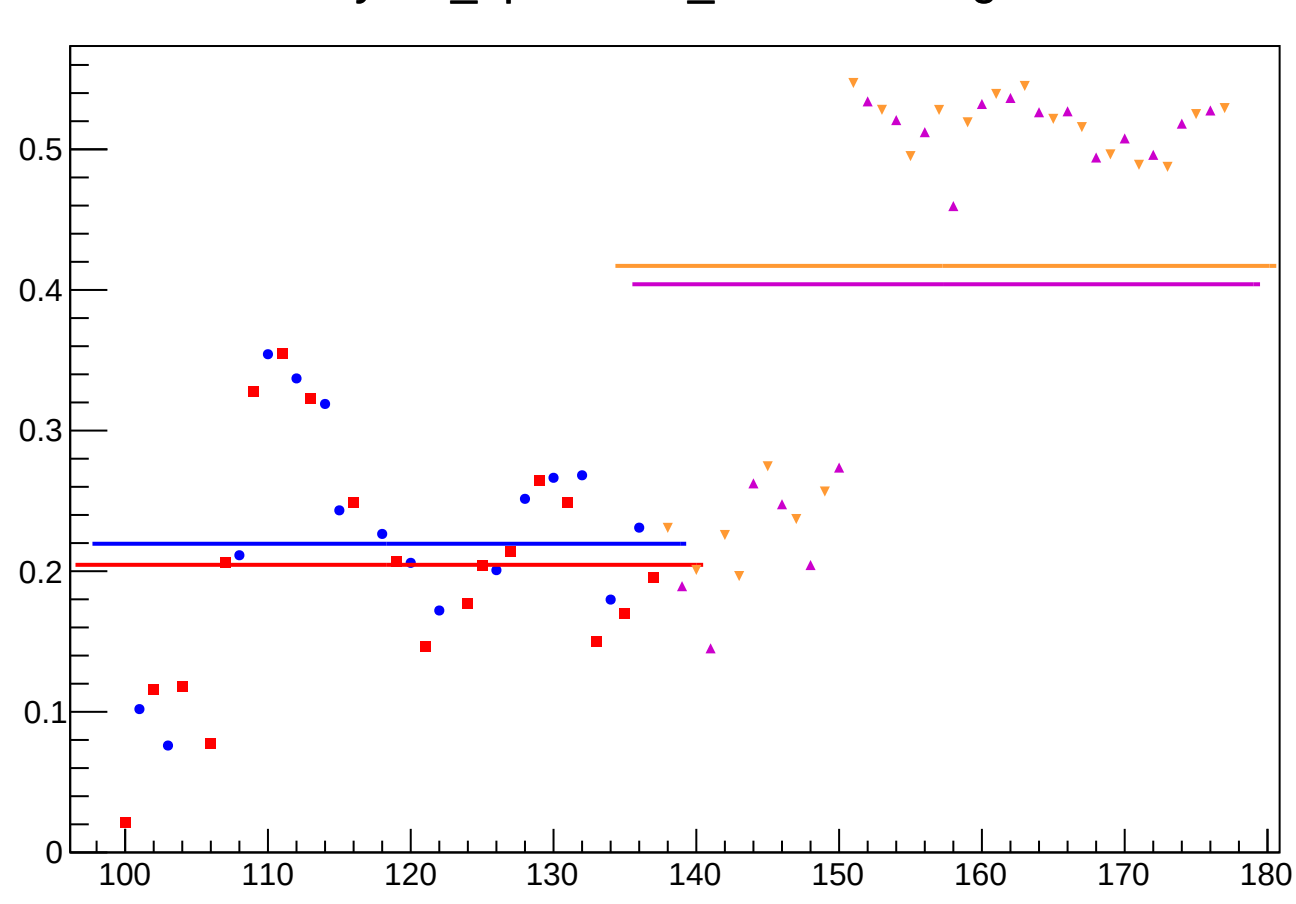
Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:272145.2/18

+ sign 0.004+/-0.000 χ^2/NDF: 2703397.5/36

All: 0.004+/-0.000 χ^2/NDF: 5512199.9/74

- sign 0.004+/-0.000 χ^2/NDF: 2807723.2/37



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.417+/-0.000 χ^2/NDF:145897235558.3/20

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

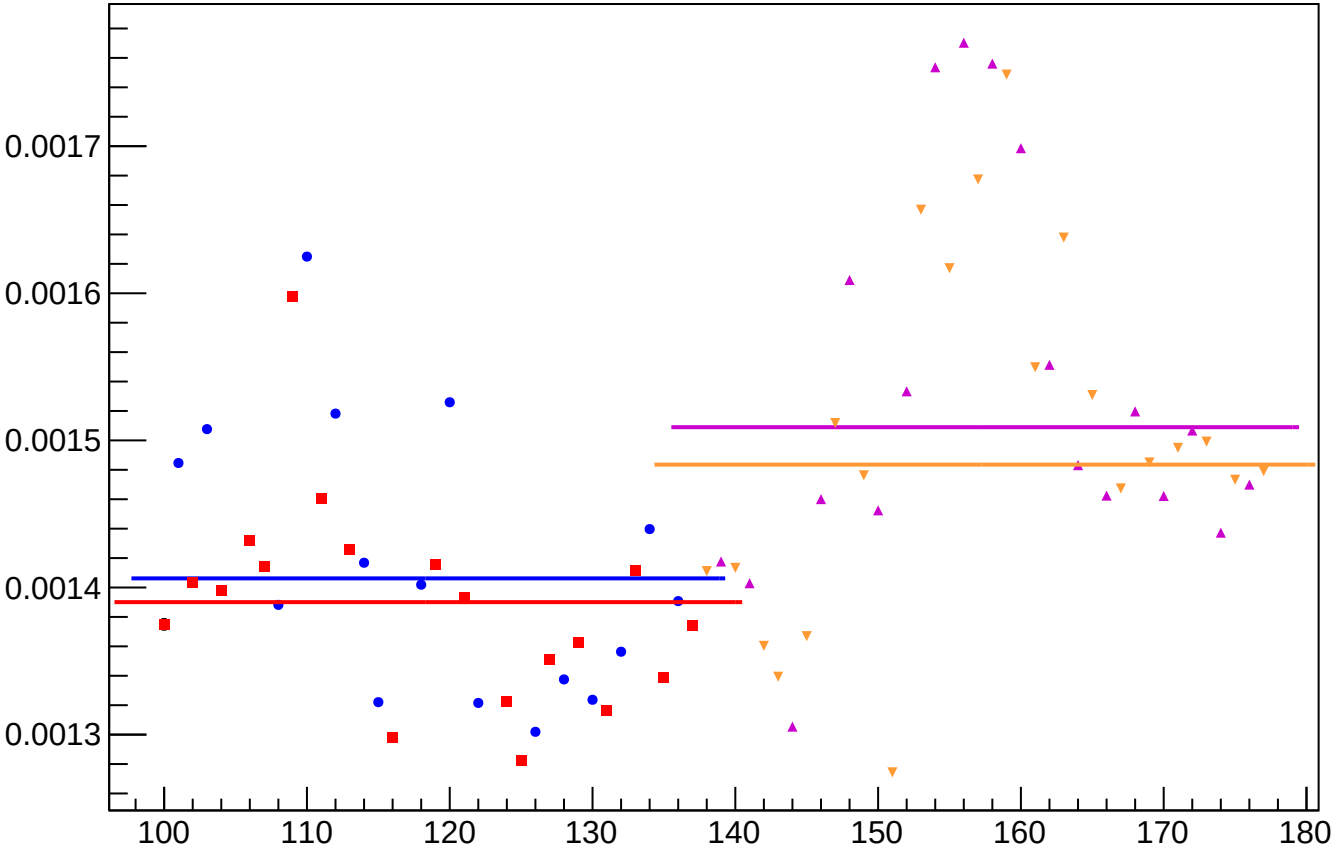
Left In: 0.404+/-0.000 χ^2/NDF:141457013711.1/18

+ sign 0.354+/-0.000 χ^2/NDF: 255777076880.6/36

All: 0.343+/-0.000 χ^2/NDF: 518442565845.8

- sign 0.332+/-0.000 χ^2/NDF: 260035058879.3/37

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:201165.3/20

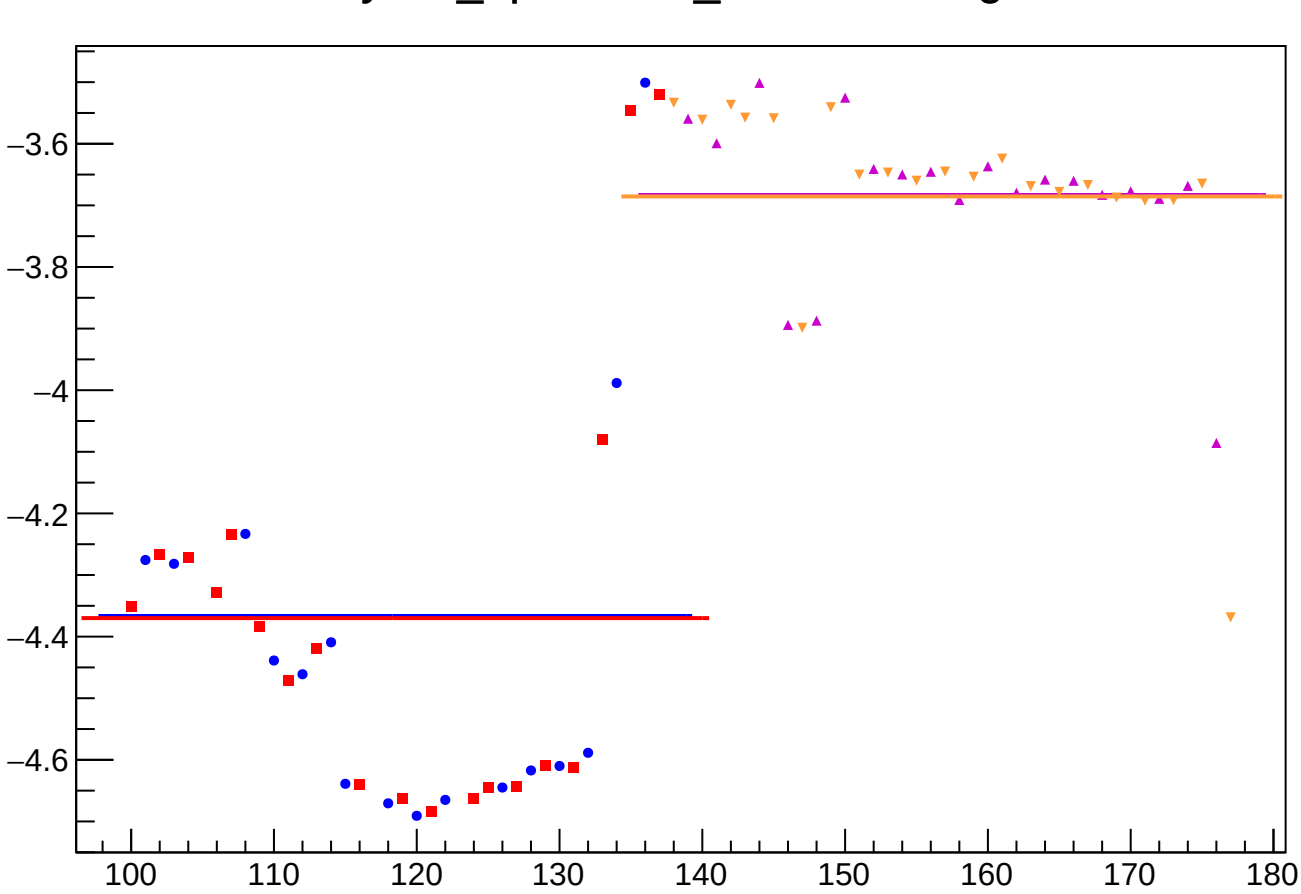
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:204513.0/18

+ sign 0.001+/-0.000 χ^2/NDF: 277898.6/36

All: 0.001+/-0.000 χ^2/NDF: 586129.6/74

- sign 0.001+/-0.000 χ^2/NDF: 307696.6/37



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.686+/-0.000 χ^2/NDF:182072722081.7/20

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

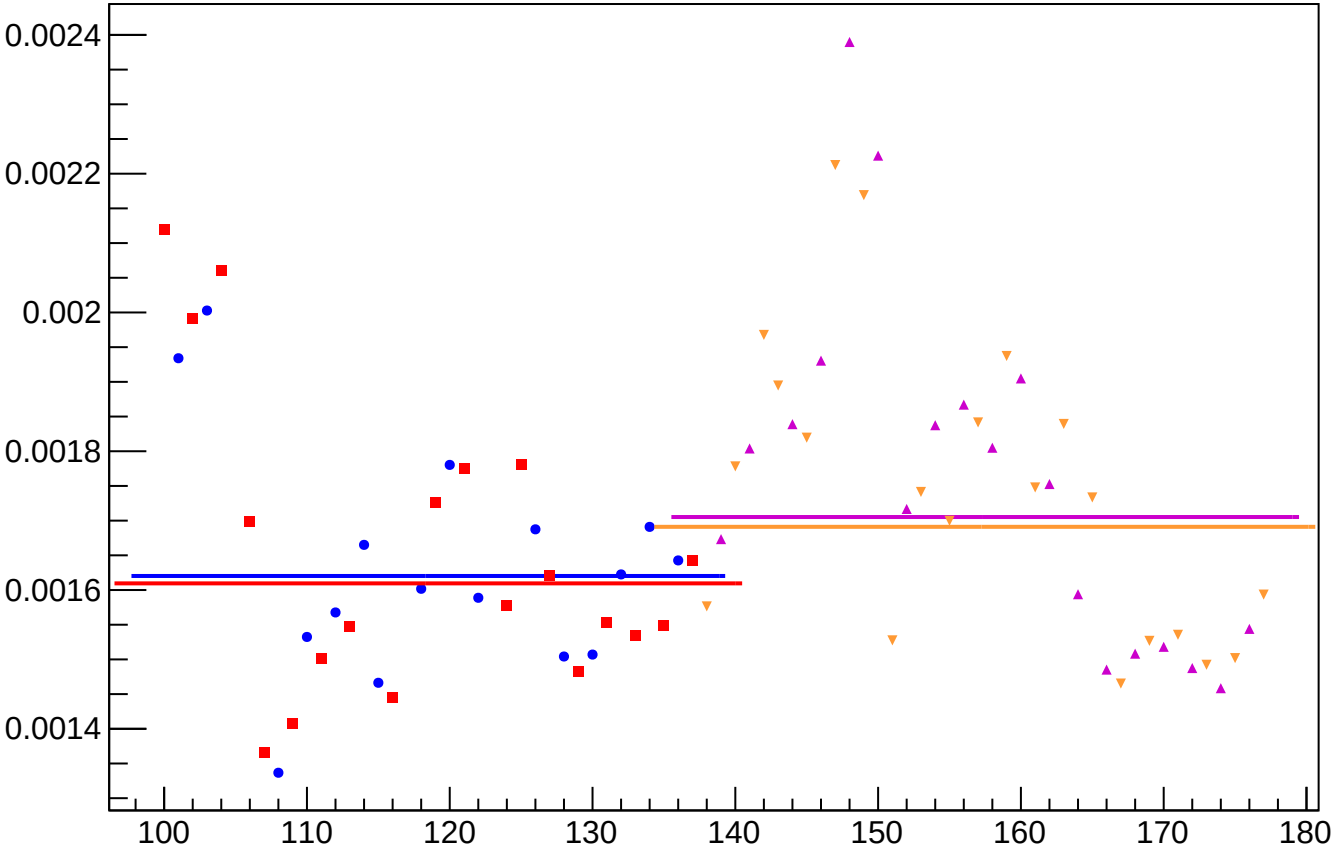
Left In: -3.683+/-0.000 χ^2/NDF:81352511266.6/18

+ sign -3.903+/-0.000 χ^2/NDF: 1361877870645.8/3

All: -3.913+/-0.000 χ^2/NDF: 2584124080369

- sign -3.923+/-0.000 χ^2/NDF: 1220586740999.4/37

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:424177.2/20

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

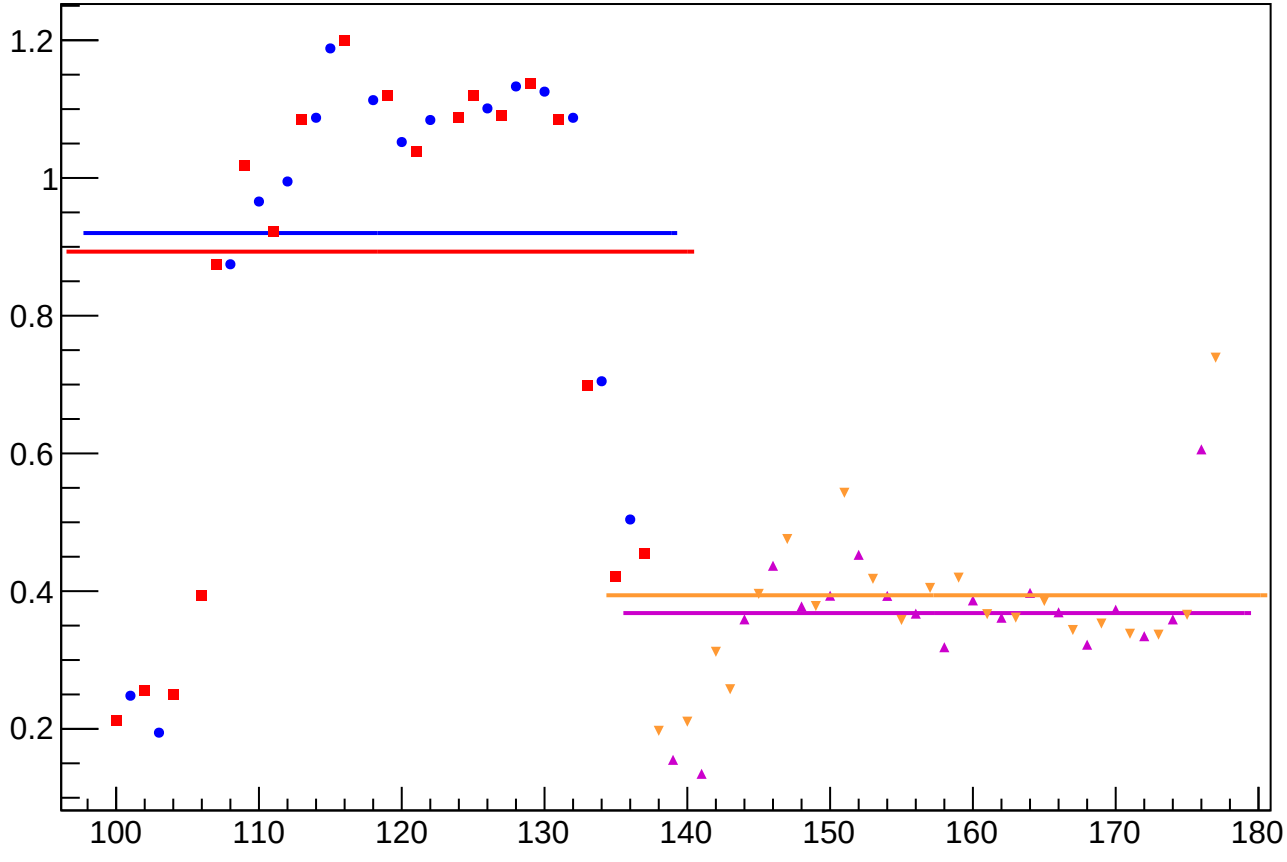
Left In: 0.002+/-0.000 χ^2/NDF:491430.8/18

+ sign 0.002+/-0.000 χ^2/NDF: 582284.7/36

All: 0.002+/-0.000 χ^2/NDF: 1291461.8/74

- sign 0.002+/-0.000 χ^2/NDF: 709088.9/37

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.394+/-0.000 χ^2/NDF:4490566214.9/20

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

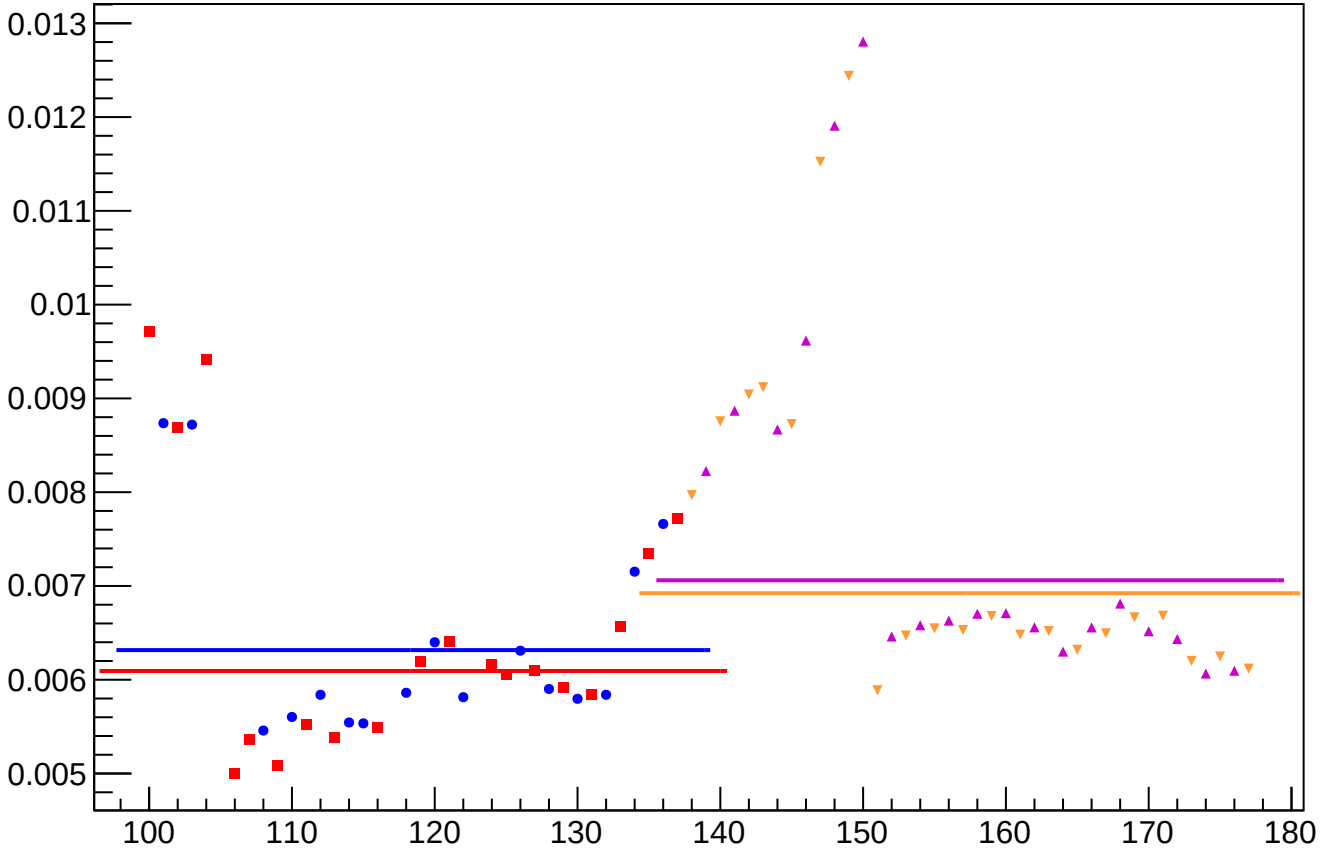
Left In: 0.368+/-0.000 χ^2/NDF:2518667744.0/18

+ sign 0.575+/-0.000 χ^2/NDF: 50923697073.2/36

All: 0.576+/-0.000 χ^2/NDF: 103622399000.7

- sign 0.576+/-0.000 χ^2/NDF: 52698664640.0/37

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:1076960.4/20

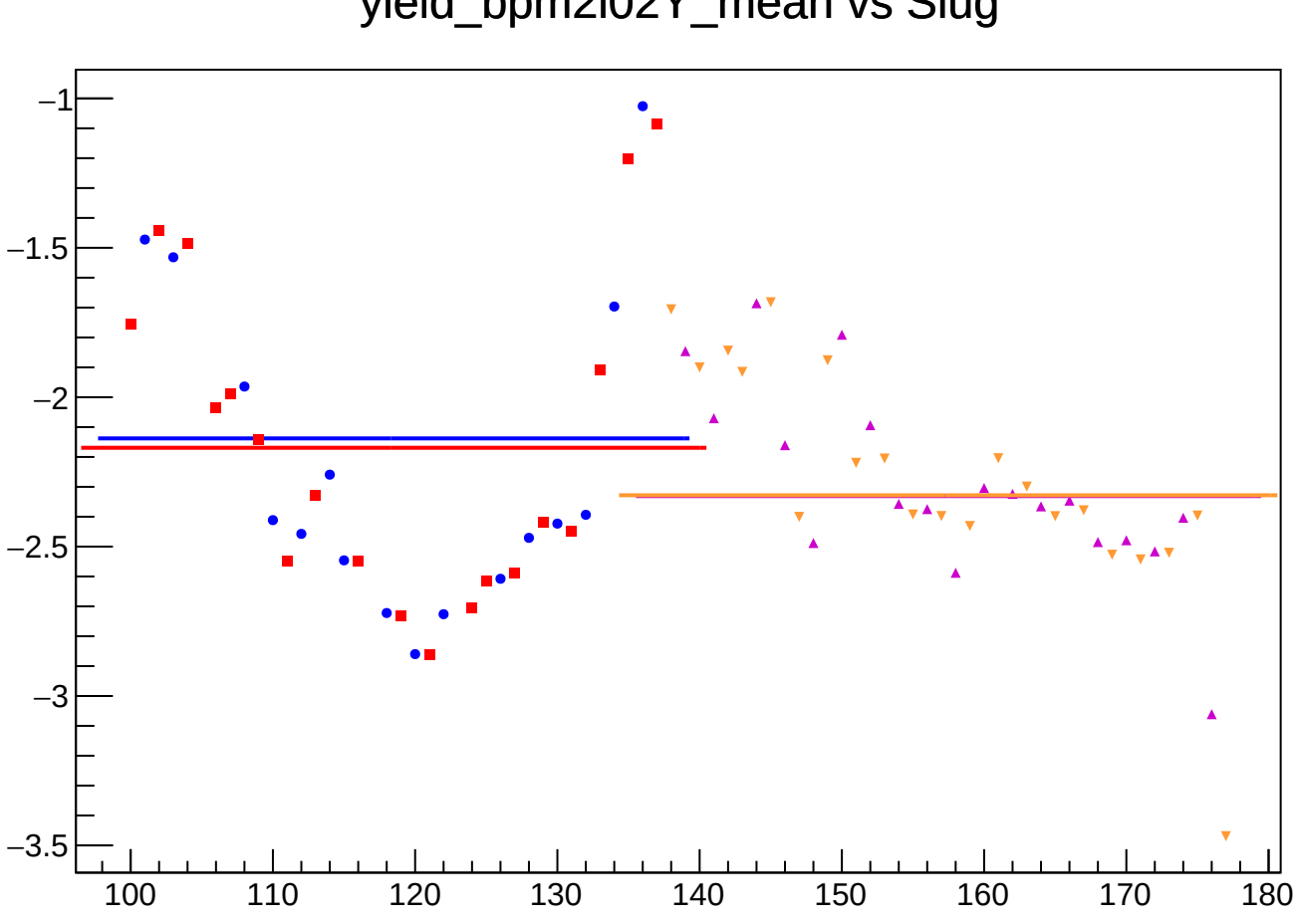
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1110061.3/18

+ sign 0.007+/-0.000 χ^2/NDF: 1497310.7/36

All: 0.007+/-0.000 χ^2/NDF: 3264952.0/74

- sign 0.007+/-0.000 χ^2/NDF: 1767014.4/37



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.328+/-0.000 χ^2/NDF:53357658997.7/20

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

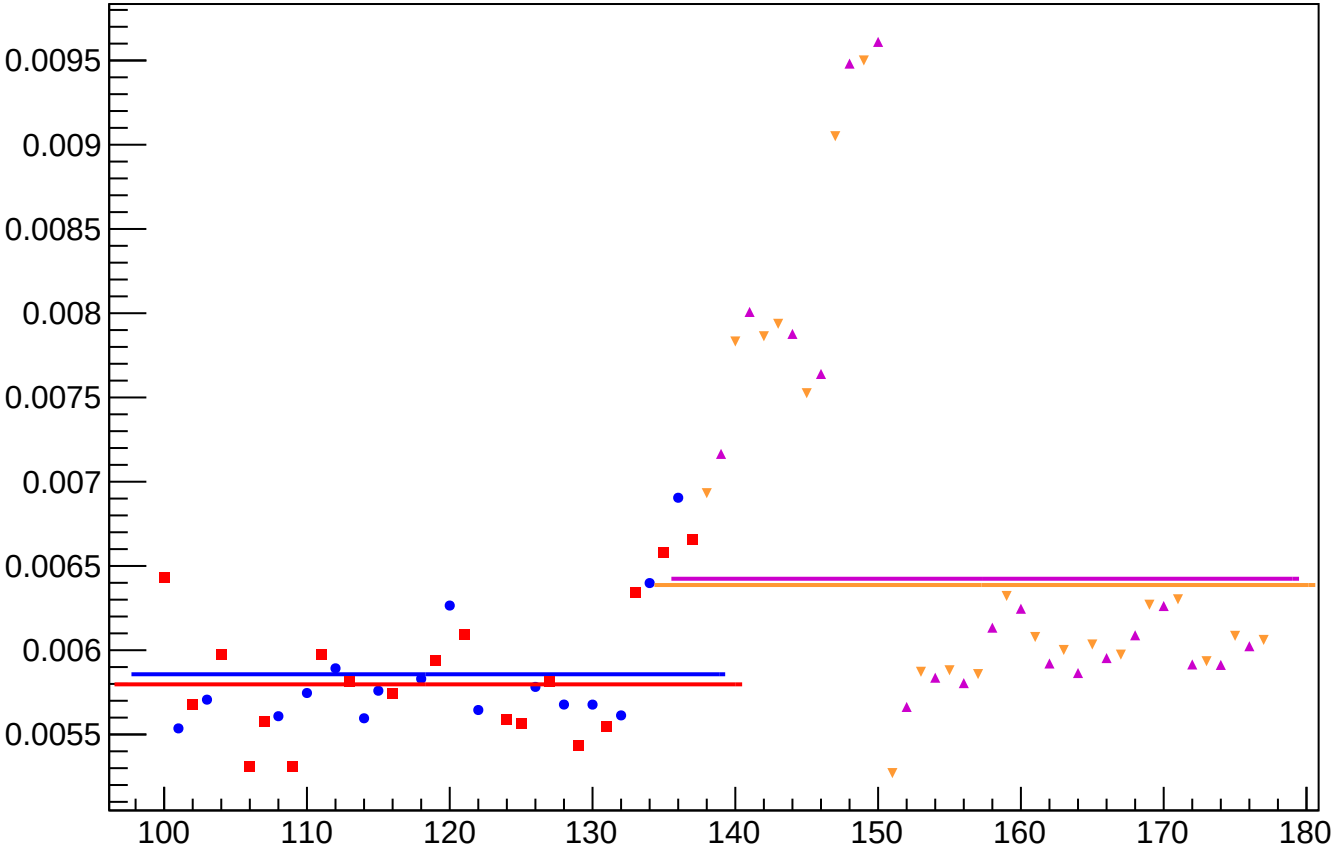
Left In: -2.331+/-0.000 χ^2/NDF:29096003001.5/18

+ sign -2.263+/-0.000 χ^2/NDF: 123998639376.7/36

All: -2.266+/-0.000 χ^2/NDF: 214138657487.8

- sign -2.270+/-0.000 χ^2/NDF: 90123252217.3/37

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:673842.3/20

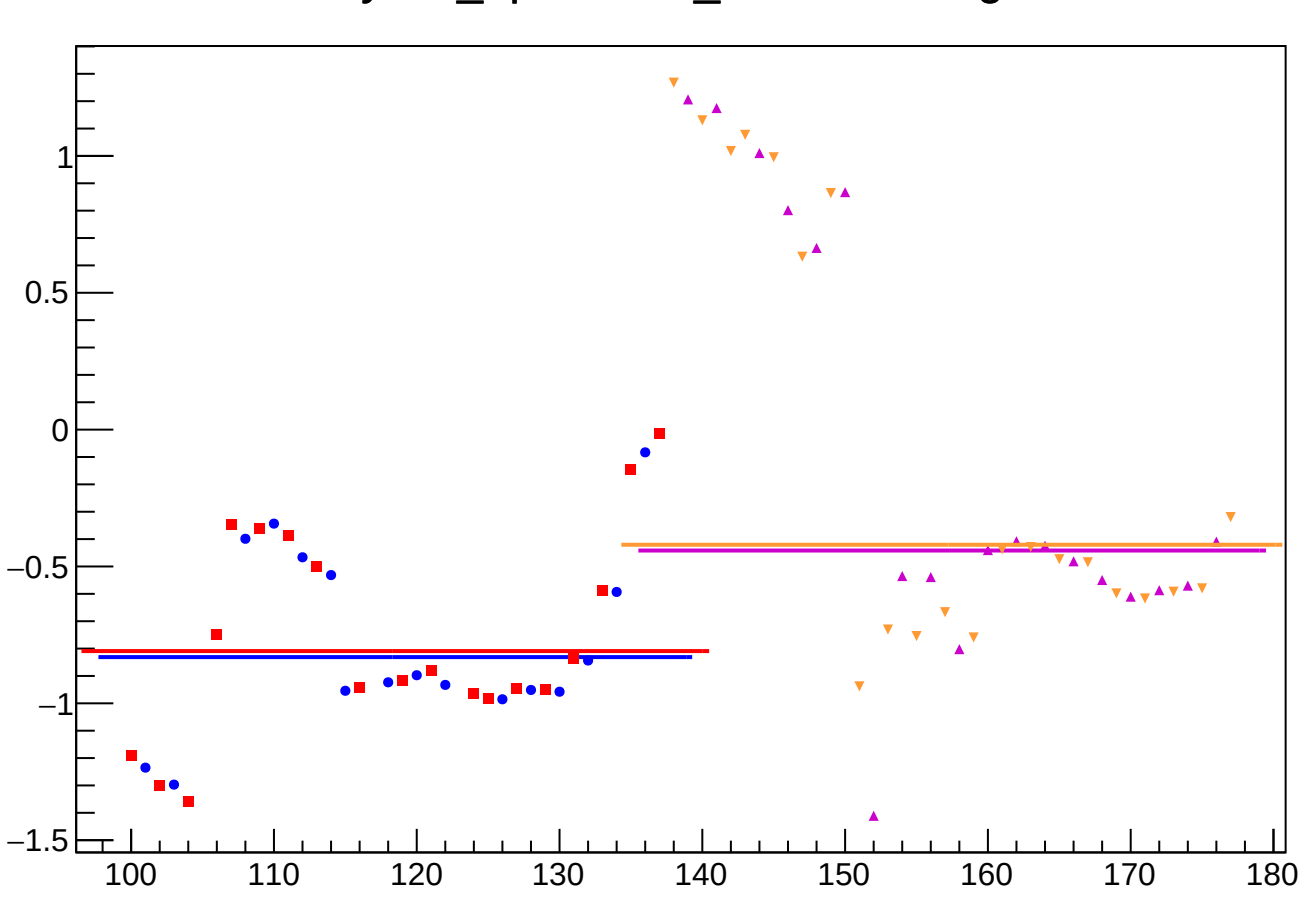
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:702640.2/18

+ sign 0.006+/-0.000 χ^2/NDF: 812855.6/36

All: 0.006+/-0.000 χ^2/NDF: 1680622.4/74

- sign 0.006+/-0.000 χ^2/NDF: 867605.5/37



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.421+/-0.000 χ^2/NDF:81206131510.3/20

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

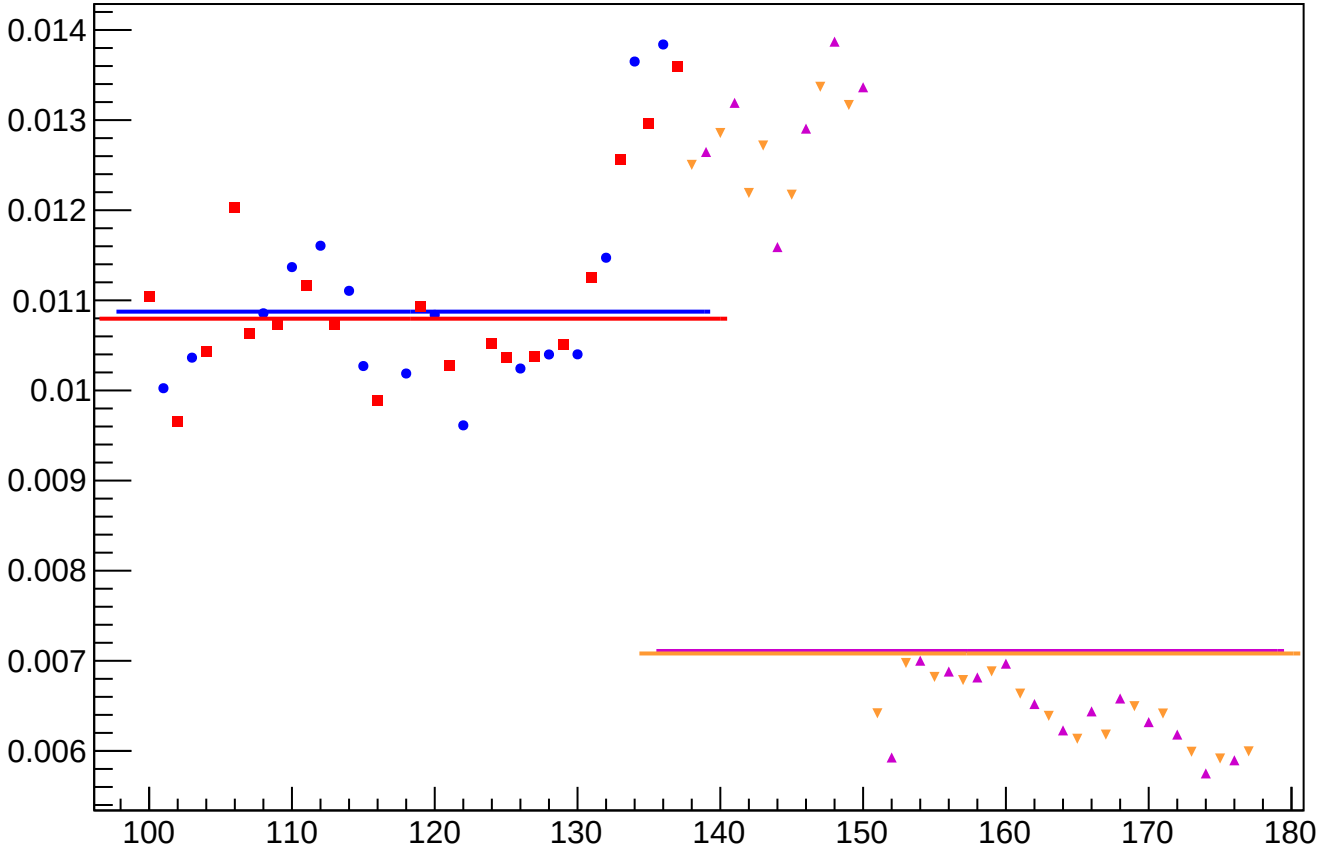
Left In: -0.442+/-0.000 χ^2/NDF:89605245896.9/18

+ sign -0.488+/-0.000 χ^2/NDF: 96691319416.0/36

All: -0.498+/-0.000 χ^2/NDF: 201357017387.0

- sign -0.509+/-0.000 χ^2/NDF: 104592102398.8/37

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:2379501.9/20

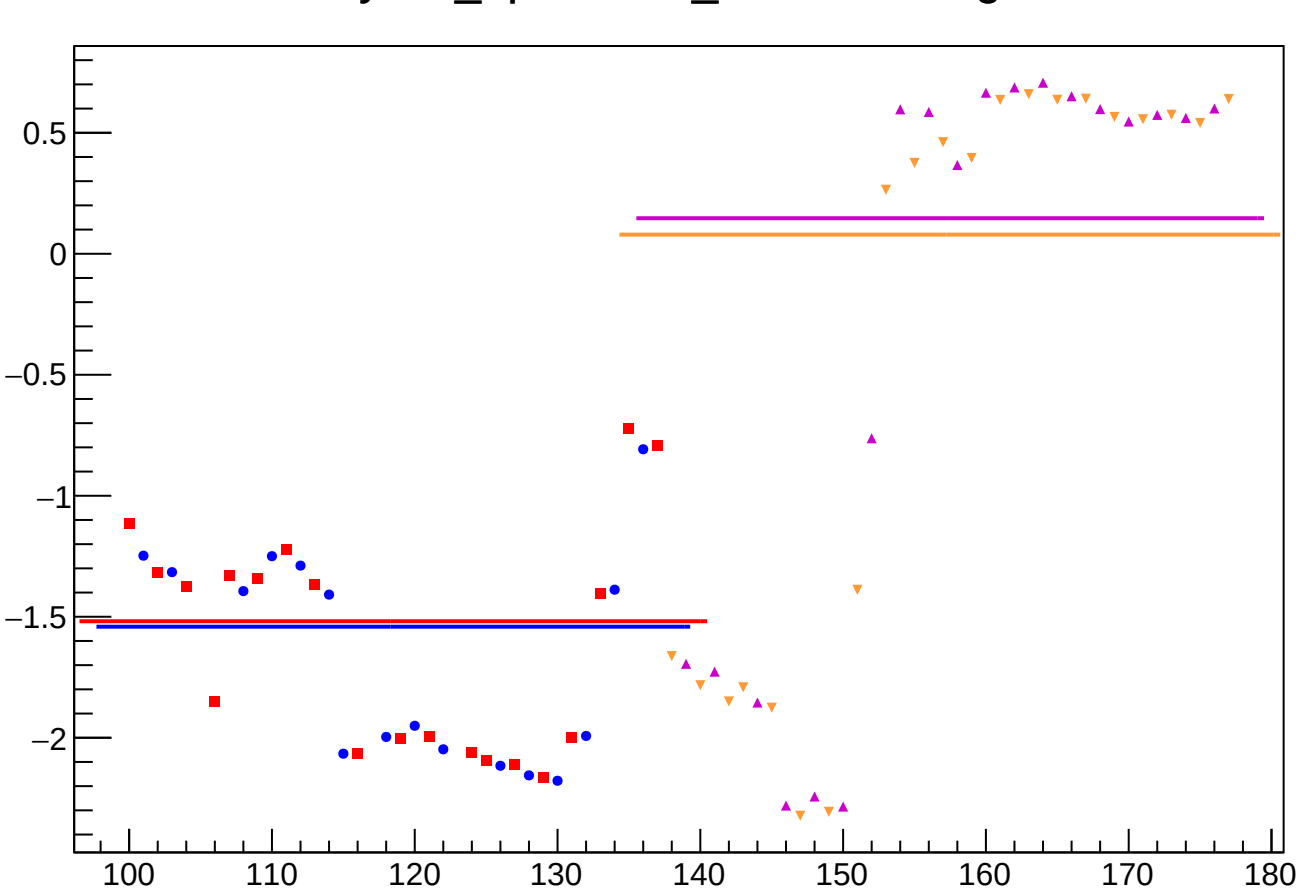
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2415357.3/18

+ sign 0.008+/-0.000 χ^2/NDF: 3967102.0/36

All: 0.008+/-0.000 χ^2/NDF: 7862097.5/74

- sign 0.008+/-0.000 χ^2/NDF: 3893020.0/37



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.079+/-0.000 χ^2/NDF:2299509952107.1/20

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

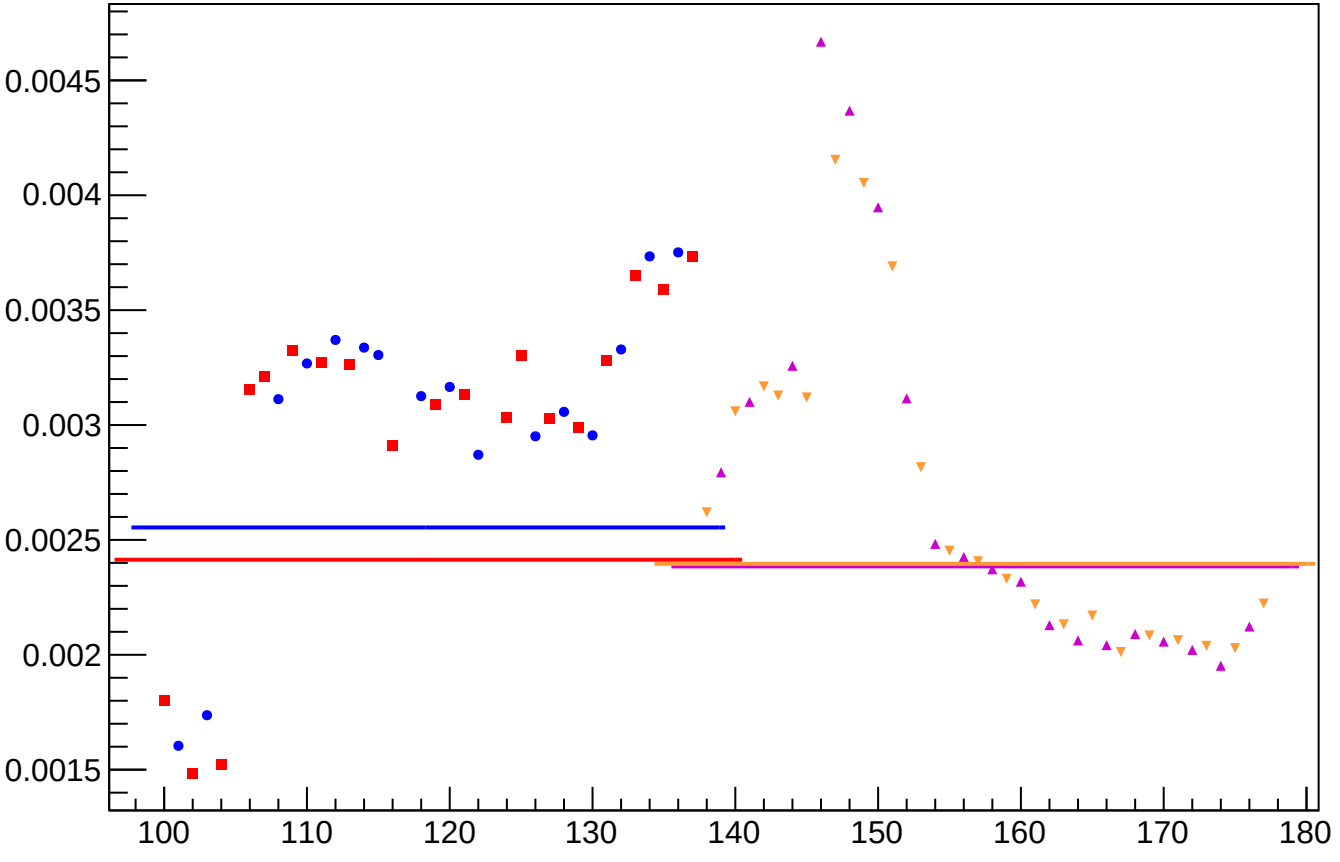
Left In: 0.147+/-0.000 χ^2/NDF:2042632985506.0/18

+ sign -0.356+/-0.000 χ^2/NDF: 4244685058536.2/3

All: -0.357+/-0.000 χ^2/NDF: 8399665052188

- sign -0.357+/-0.000 χ^2/NDF: 4154978318898.6/37

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:1205669.3/20

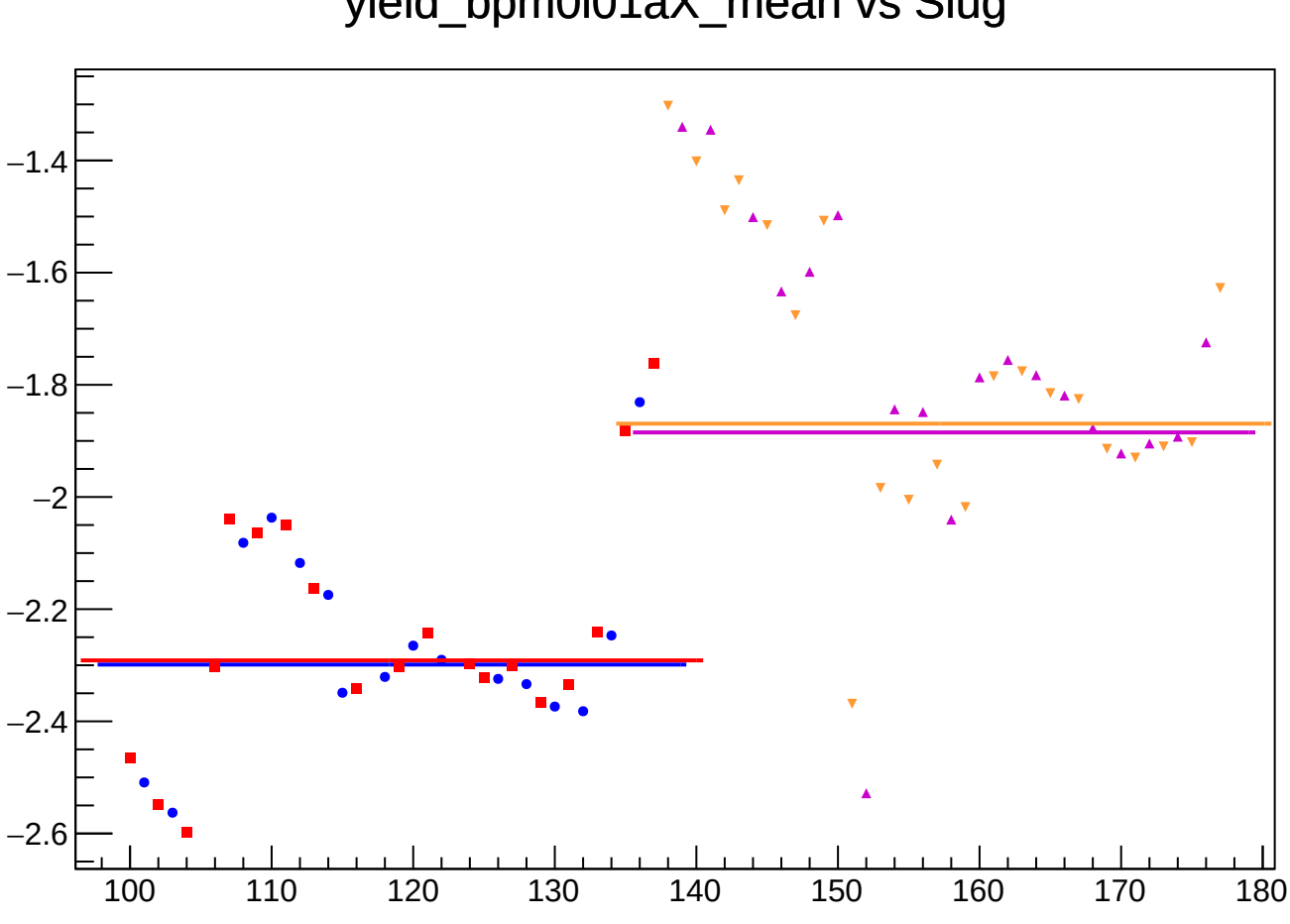
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1399532.4/18

+ sign 0.002+/-0.000 χ^2/NDF: 2412142.4/36

All: 0.002+/-0.000 χ^2/NDF: 5366600.6/74

- sign 0.002+/-0.000 χ^2/NDF: 2947562.6/37



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.869+/-0.000 χ^2/NDF:31393855533.5/20

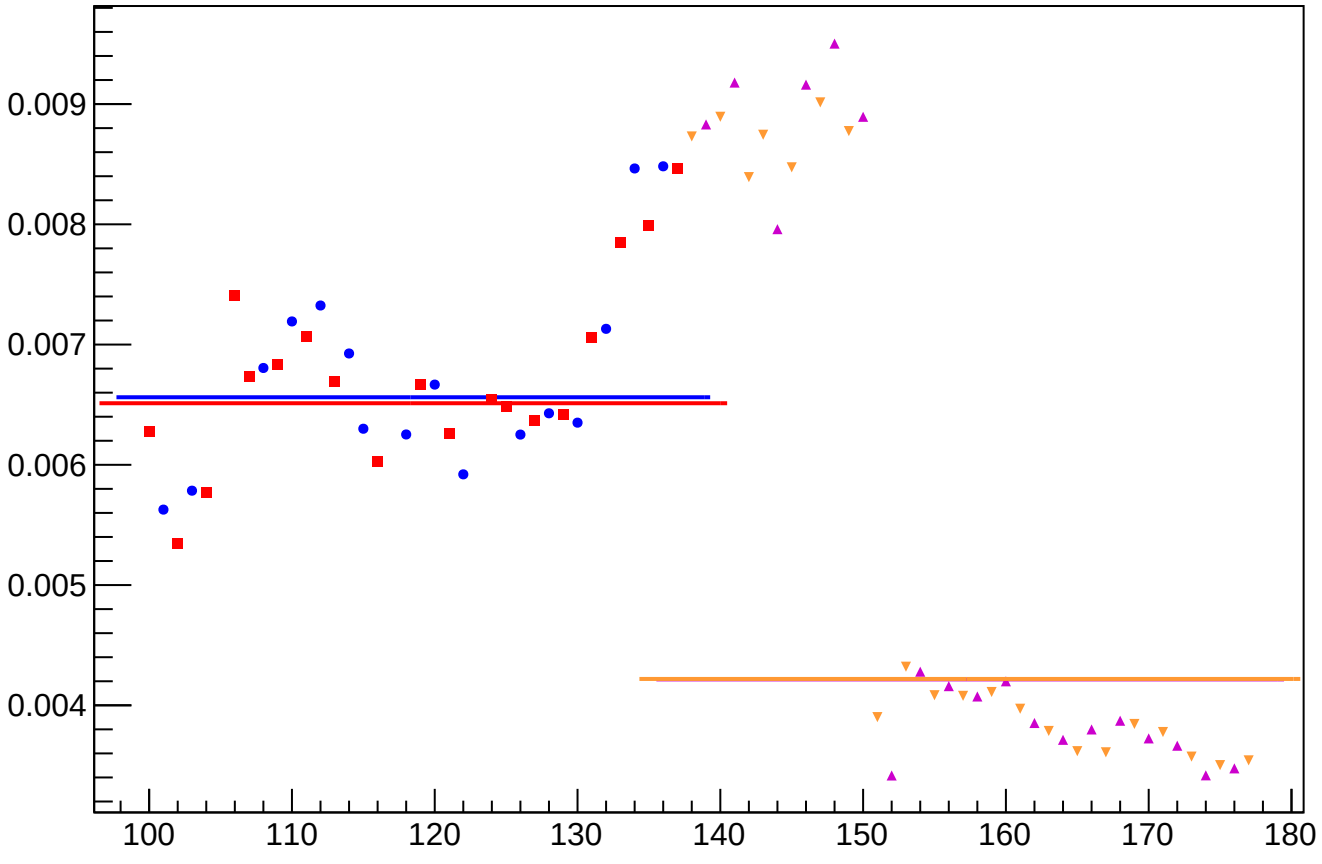
Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.885+/-0.000 χ^2/NDF:44814380137.8/18

+ sign -1.940+/-0.000 χ^2/NDF: 62301192268.7/36

All: -1.949+/-0.000 χ^2/NDF: 136752248813.2

- sign -1.959+/-0.000 χ^2/NDF: 74285383803.0/37



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3083007.9/20

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

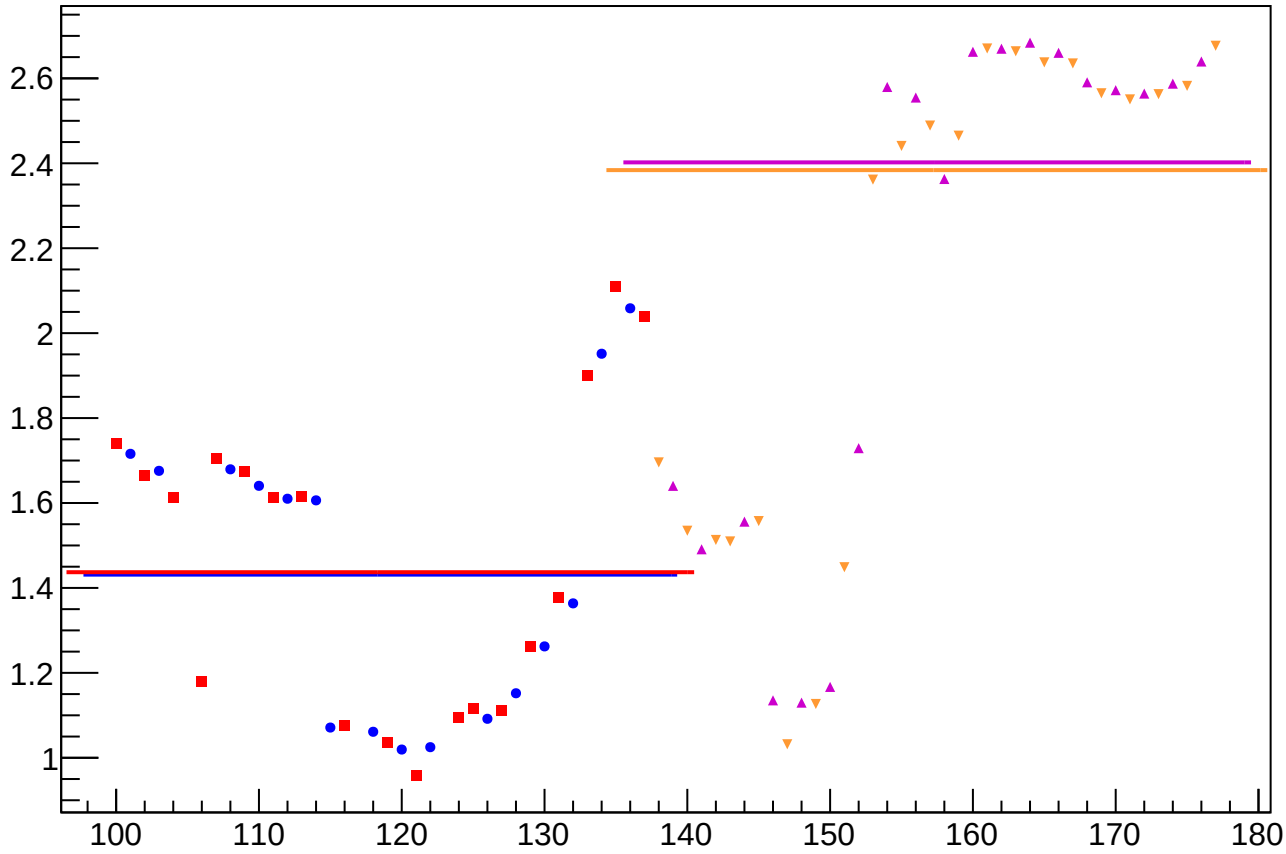
Left In: 0.004+/-0.000 χ^2/NDF:3141415.4/18

+ sign 0.005+/-0.000 χ^2/NDF: 4778852.0/36

All: 0.005+/-0.000 χ^2/NDF: 9551998.2/74

- sign 0.005+/-0.000 χ^2/NDF: 4772449.2/37

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.384+/-0.000 χ^2/NDF:231968982330.4/20

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

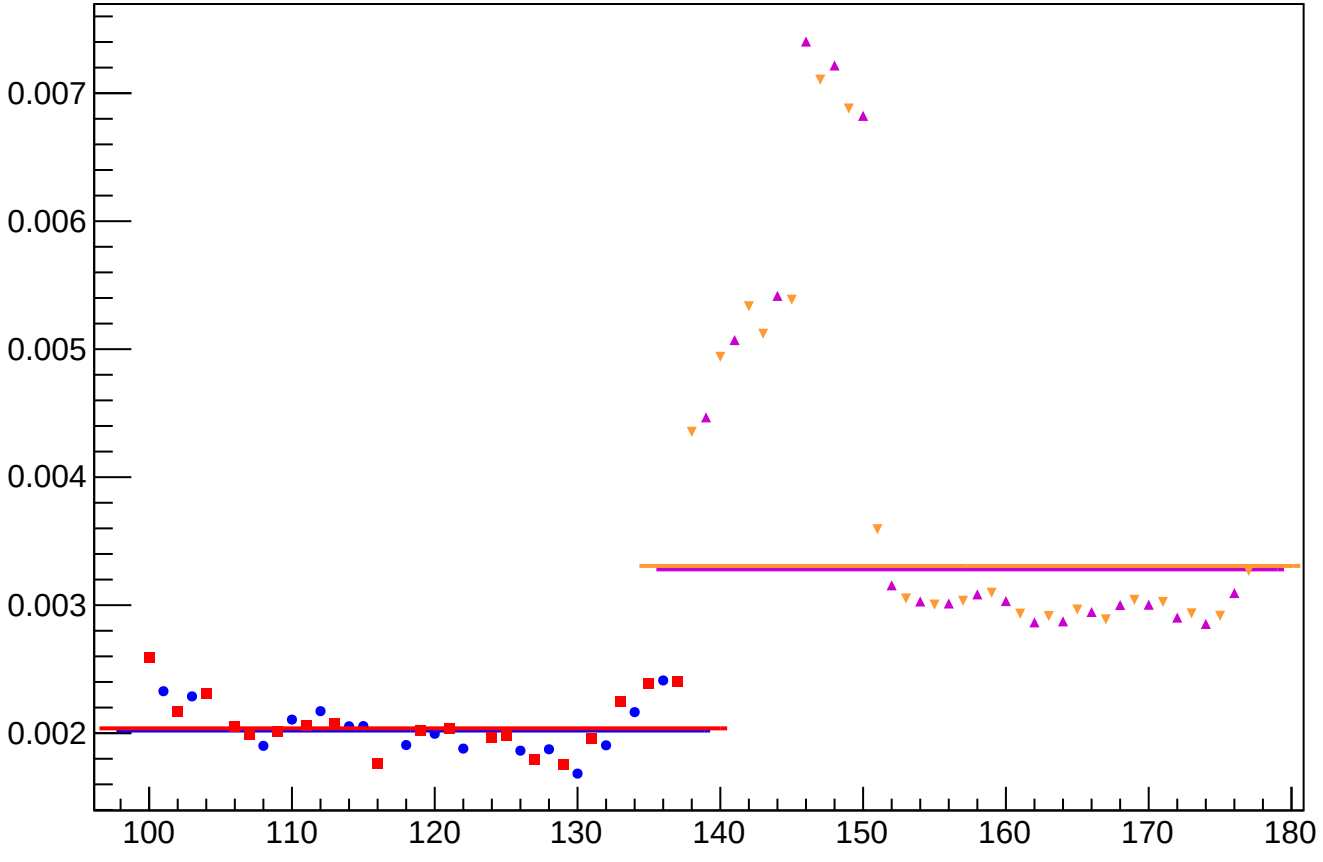
Left In: 2.402+/-0.000 χ^2/NDF:218934897312.2/18

+ sign 1.864+/-0.000 χ^2/NDF: 1091697063217.9/36

All: 1.861+/-0.000 χ^2/NDF: 2156103105556.

- sign 1.858+/-0.000 χ^2/NDF: 1064353982634.2/37

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:1767673.9/20

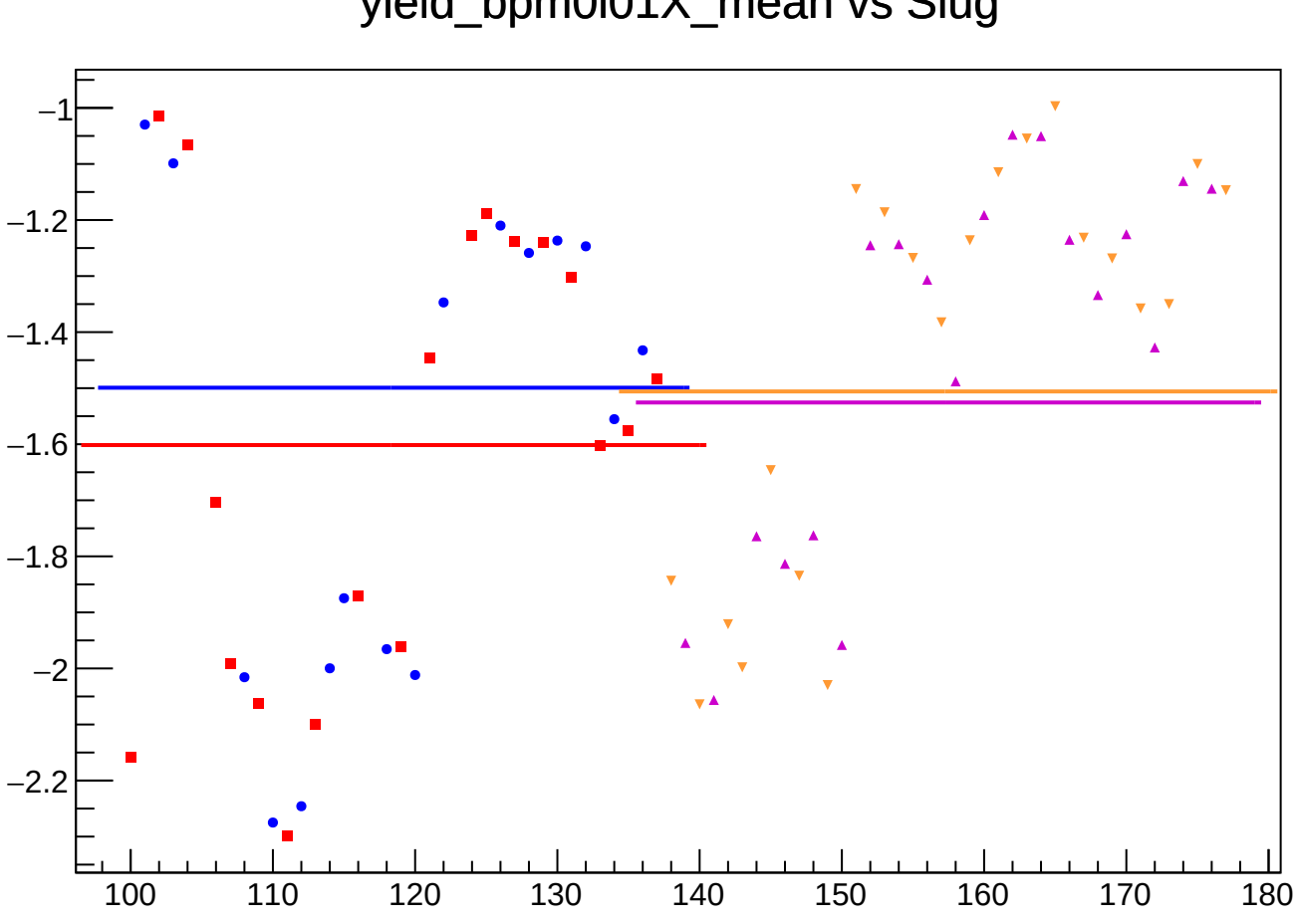
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2017755.9/18

+ sign 0.003+/-0.000 χ^2/NDF: 4367022.0/36

All: 0.003+/-0.000 χ^2/NDF: 8699021.1/74

- sign 0.003+/-0.000 χ^2/NDF: 4330121.7/37



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.506+/-0.000 χ^2/NDF:46596828947.1/20

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

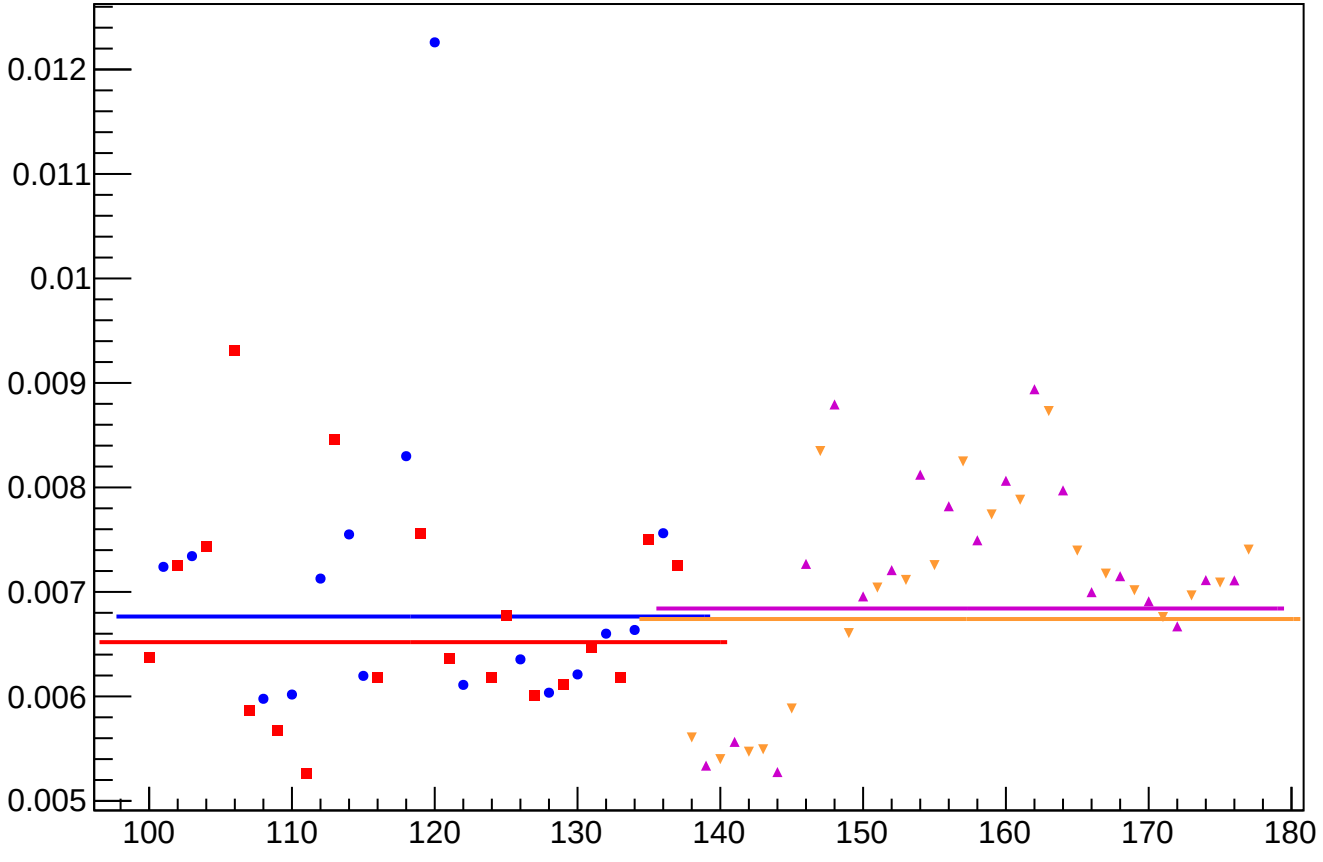
Left In: -1.526+/-0.000 χ^2/NDF:35889014066.9/18

+ sign -1.504+/-0.000 χ^2/NDF: 69531635602.2/36

All: -1.527+/-0.000 χ^2/NDF: 134904705949.8

- sign -1.552+/-0.000 χ^2/NDF: 64825467478.7/37

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:619466.3/20

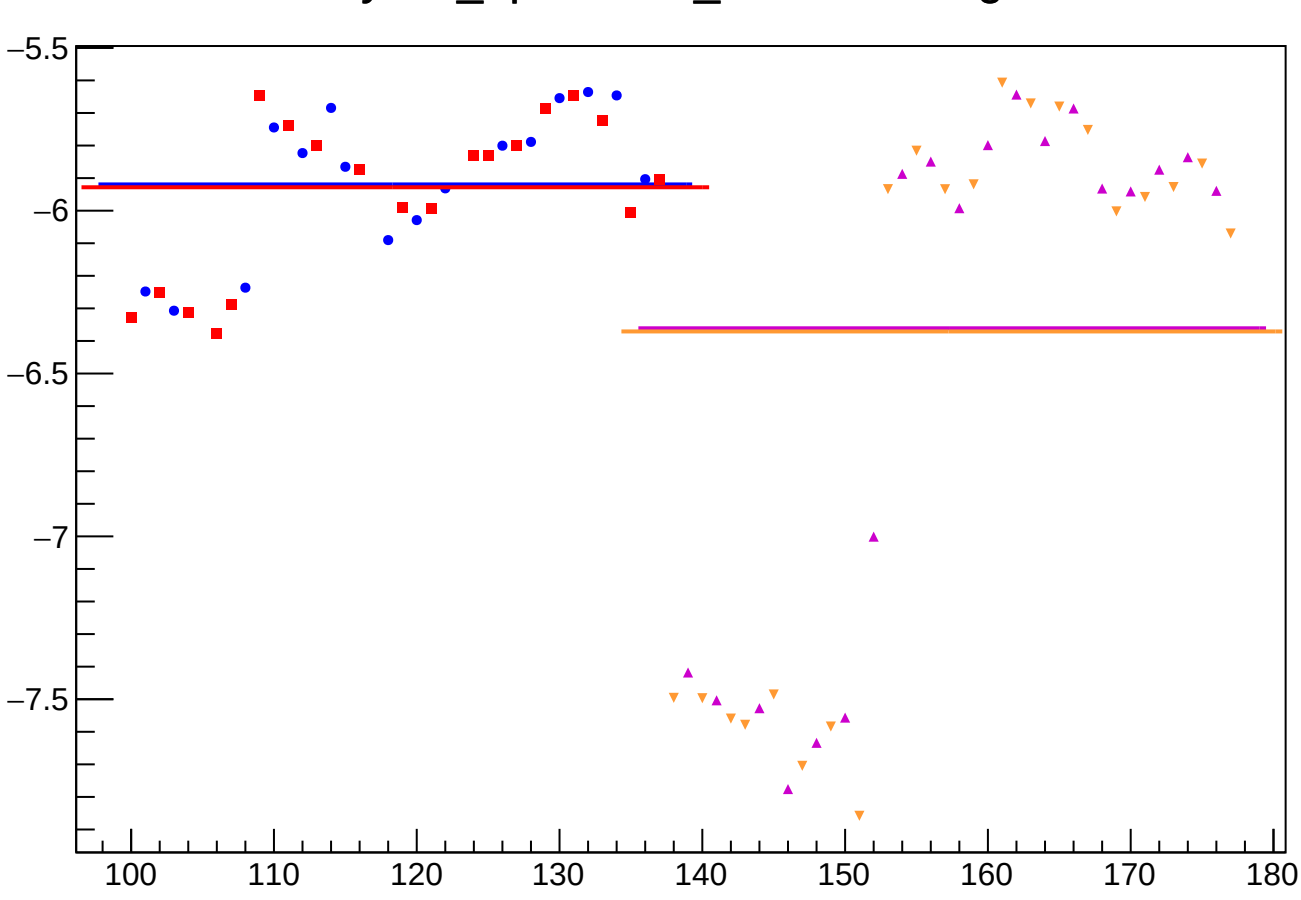
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:684198.9/18

+ sign 0.007+/-0.000 χ^2/NDF: 858146.5/36

All: 0.007+/-0.000 χ^2/NDF: 1809924.1/74

- sign 0.007+/-0.000 χ^2/NDF: 951625.4/37



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.371+/-0.000 χ^2/NDF:107861305876.3/20

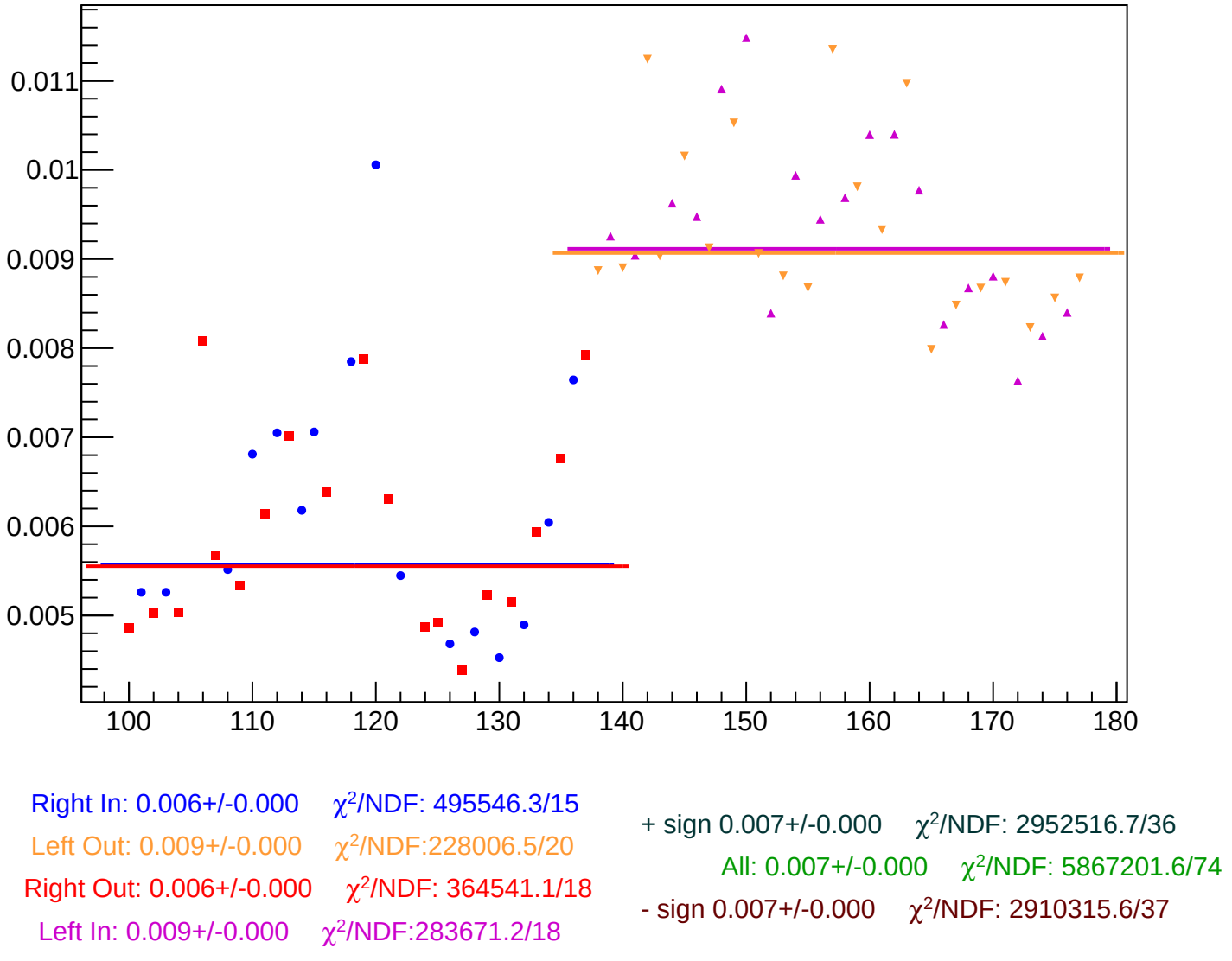
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

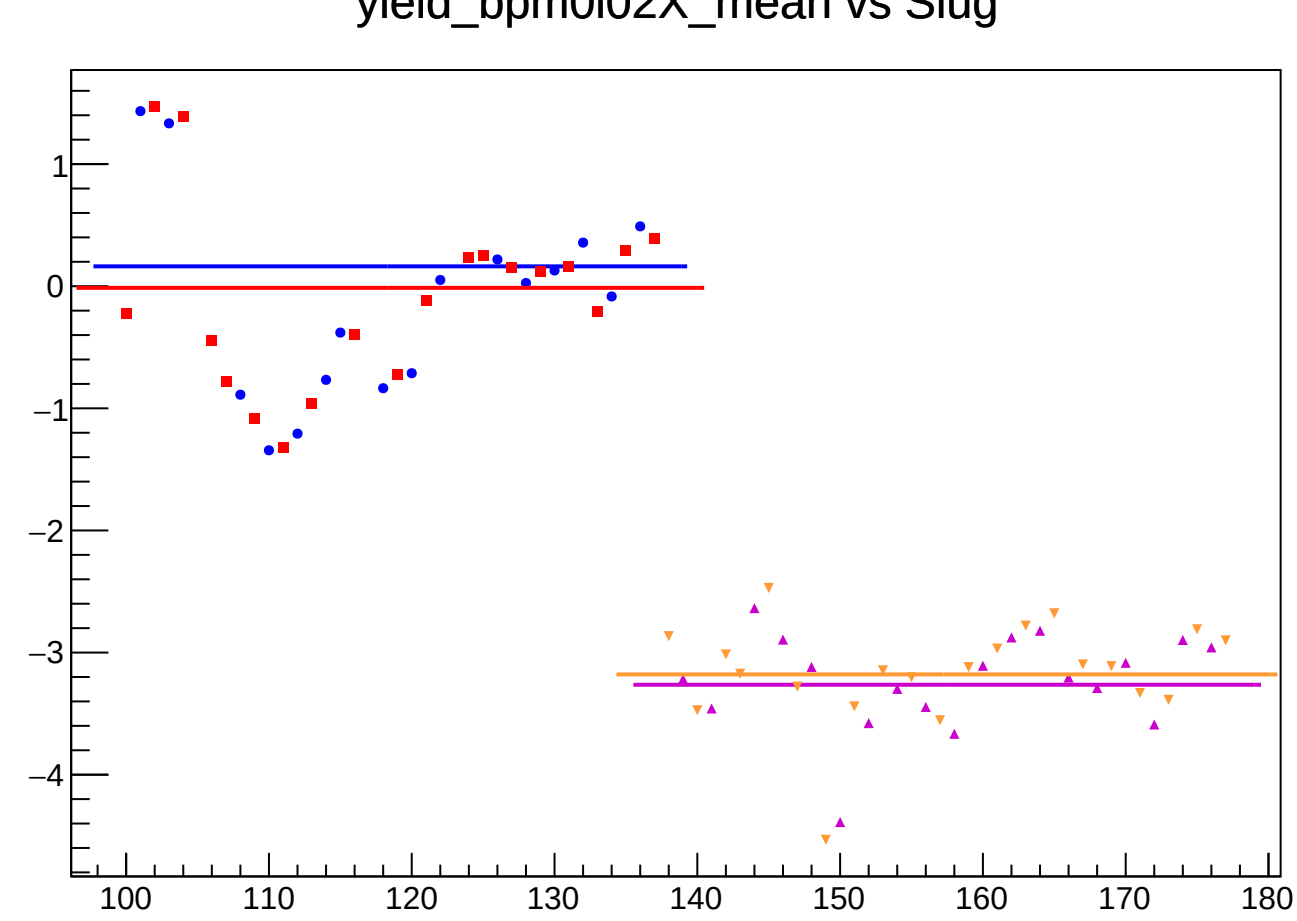
Left In: -6.361+/-0.000 χ^2/NDF:89074675118.9/18

+ sign -6.126+/-0.000 χ^2/NDF: 138102117327.3/36

All: -6.119+/-0.000 χ^2/NDF: 256568019277.2

- sign -6.111+/-0.000 χ^2/NDF: 118425238035.5/37


yield_bpm0l01Y_rms vs Slug
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: 0.006+/-0.000 χ²/NDF: 495546.3/15
Left Out: 0.009+/-0.000 χ²/NDF:228006.5/20
Right Out: 0.006+/-0.000 χ²/NDF: 364541.1/18
Left In: 0.009+/-0.000 χ²/NDF:283671.2/18
+ sign 0.007+/-0.000 χ²/NDF: 2952516.7/36
All: 0.007+/-0.000 χ²/NDF: 5867201.6/74
- sign 0.007+/-0.000 χ²/NDF: 2910315.6/37



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.179+/-0.000 χ^2/NDF:8940036594.2/20

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

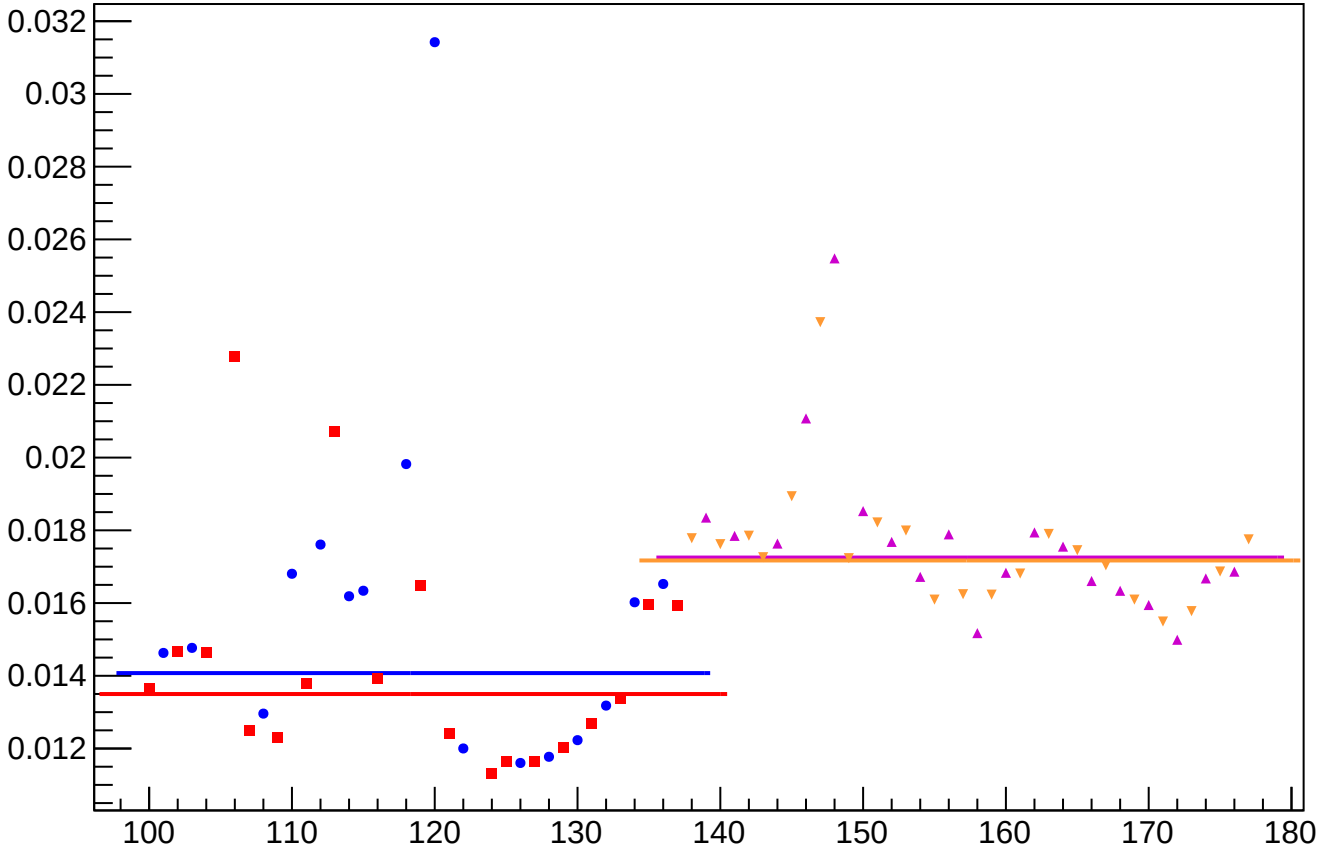
Left In: -3.264+/-0.000 χ^2/NDF:7421180340.5/18

+ sign -1.940+/-0.000 χ^2/NDF: 250514909129.0/36

All: -1.905+/-0.000 χ^2/NDF: 505221840938.

- sign -1.871+/-0.000 χ^2/NDF: 254505540682.2/37

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:201867.9/20

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

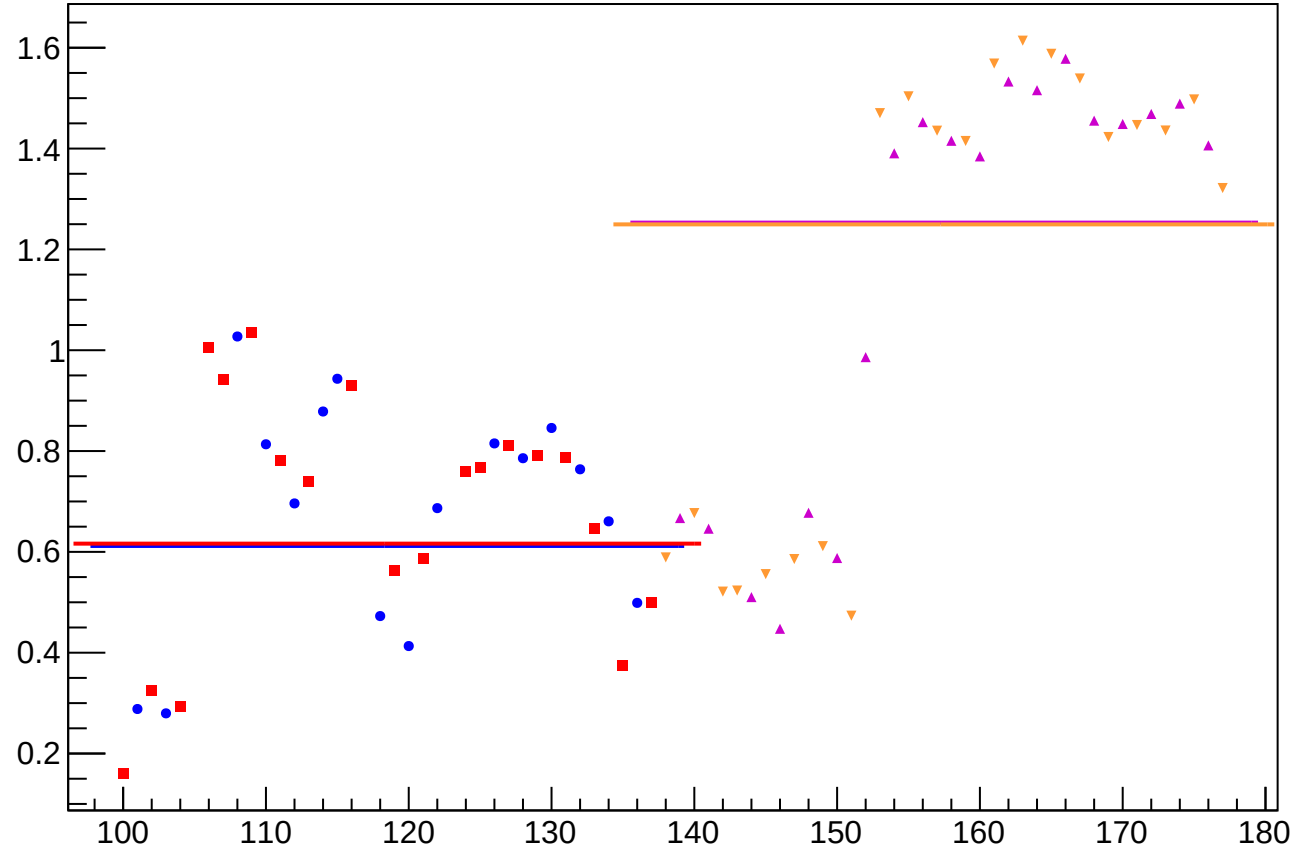
Left In: 0.017+/-0.000 χ^2/NDF:322933.7/18

+ sign 0.016+/-0.000 χ^2/NDF: 1051457.3/36

All: 0.016+/-0.000 χ^2/NDF: 2300307.3/74

- sign 0.016+/-0.000 χ^2/NDF: 1236470.1/37

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.250+/-0.000 χ^2/NDF:45054945336.2/20

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

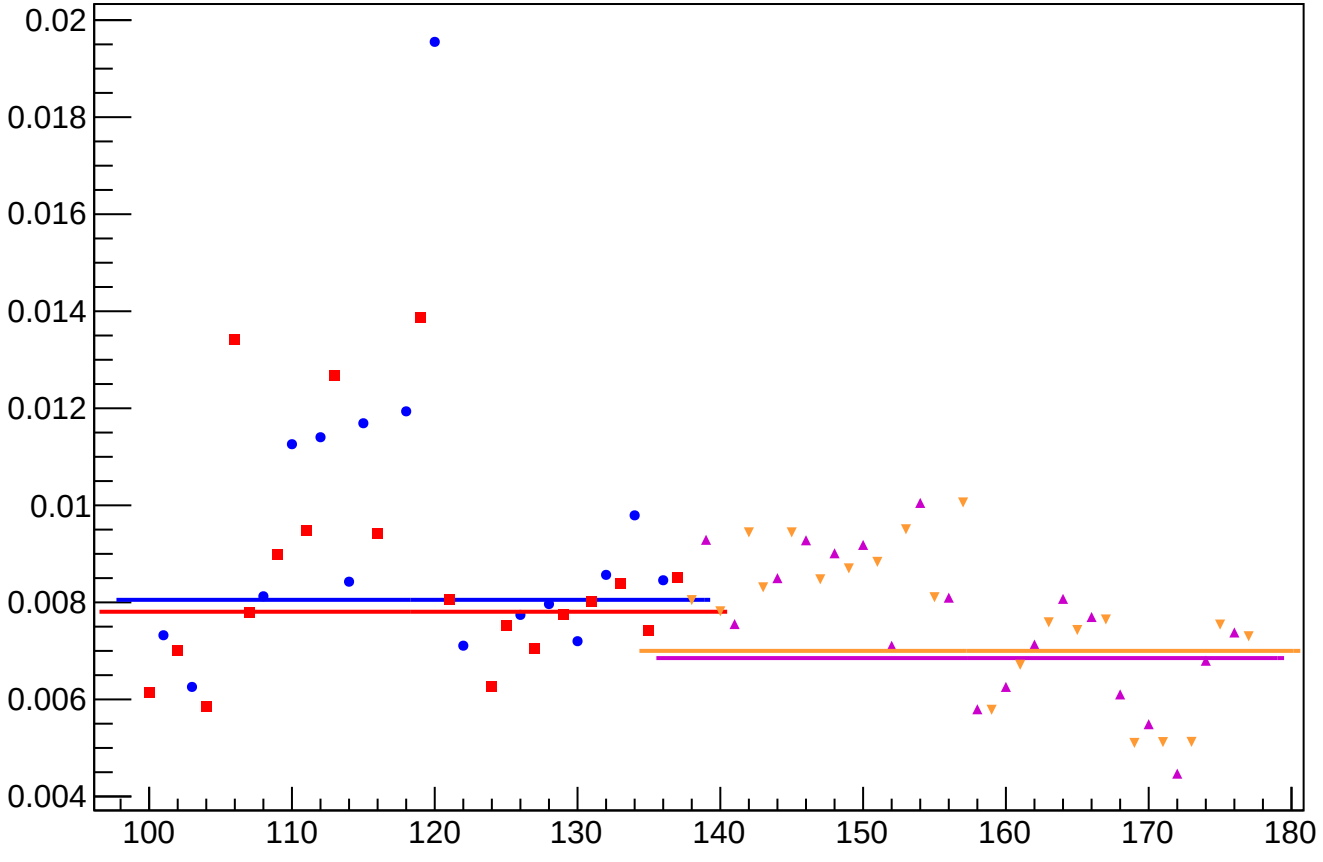
Left In: 1.253+/-0.000 χ^2/NDF:37194318095.8/18

+ sign 1.095+/-0.000 χ^2/NDF: 79823526760.8/36

All: 1.089+/-0.000 χ^2/NDF: 154751186239.4

- sign 1.083+/-0.000 χ^2/NDF: 74900294621.9/37

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:1400515.0/20

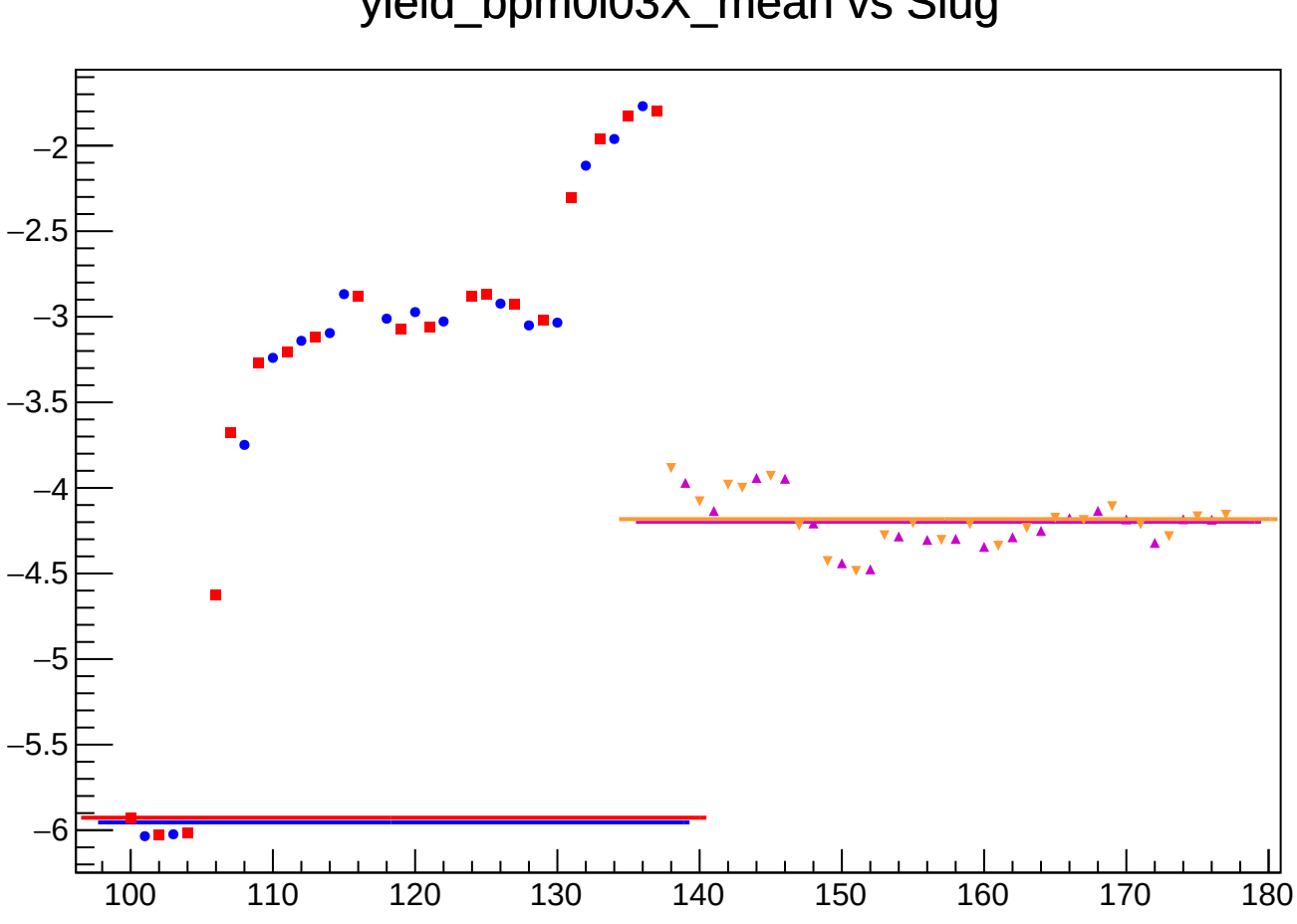
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1369865.3/18

+ sign 0.007+/-0.000 χ^2/NDF: 2157237.9/36

All: 0.007+/-0.000 χ^2/NDF: 4263694.5/74

- sign 0.007+/-0.000 χ^2/NDF: 2097763.3/37



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.182+/-0.000 χ^2/NDF:53918033.3/20

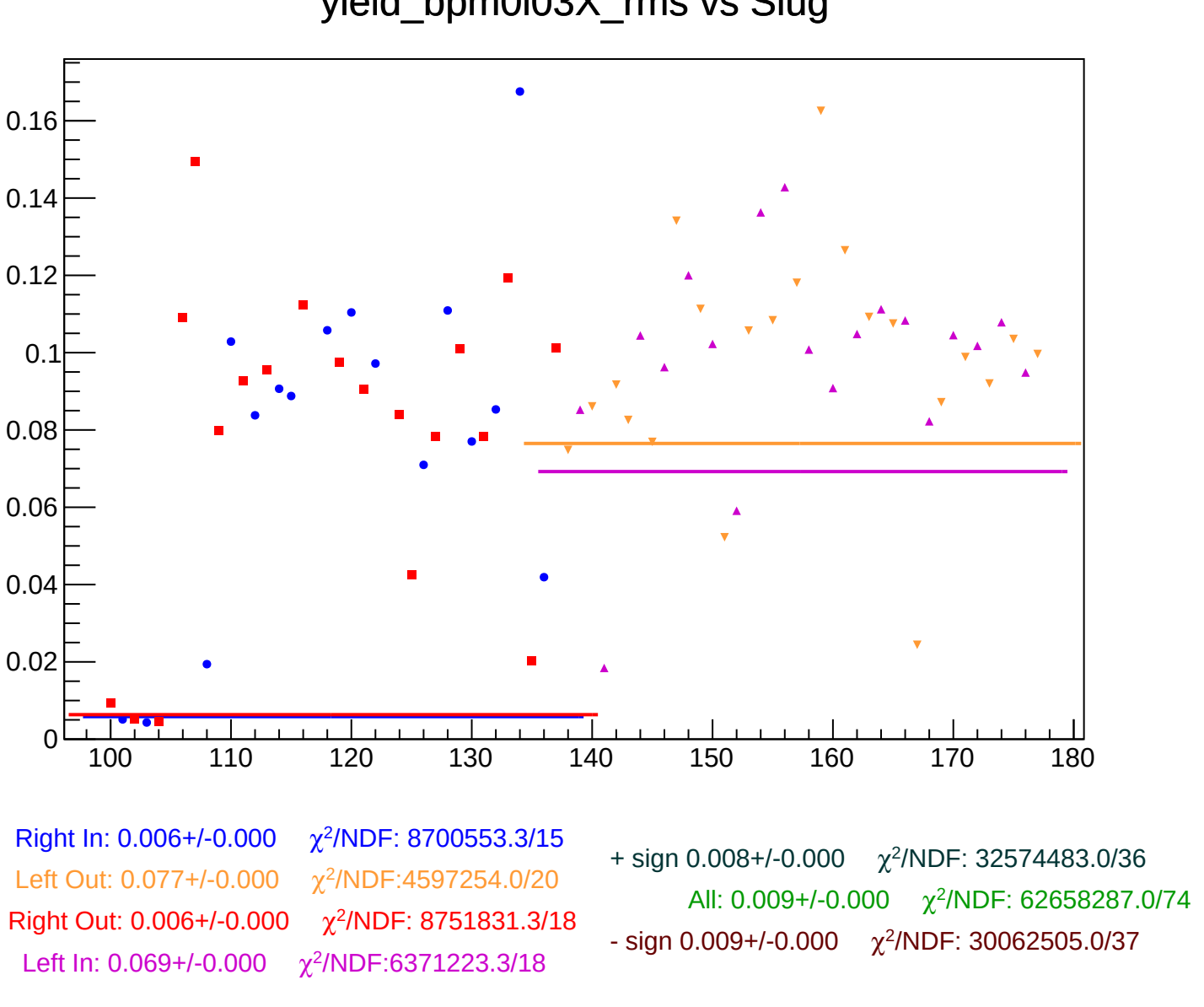
Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

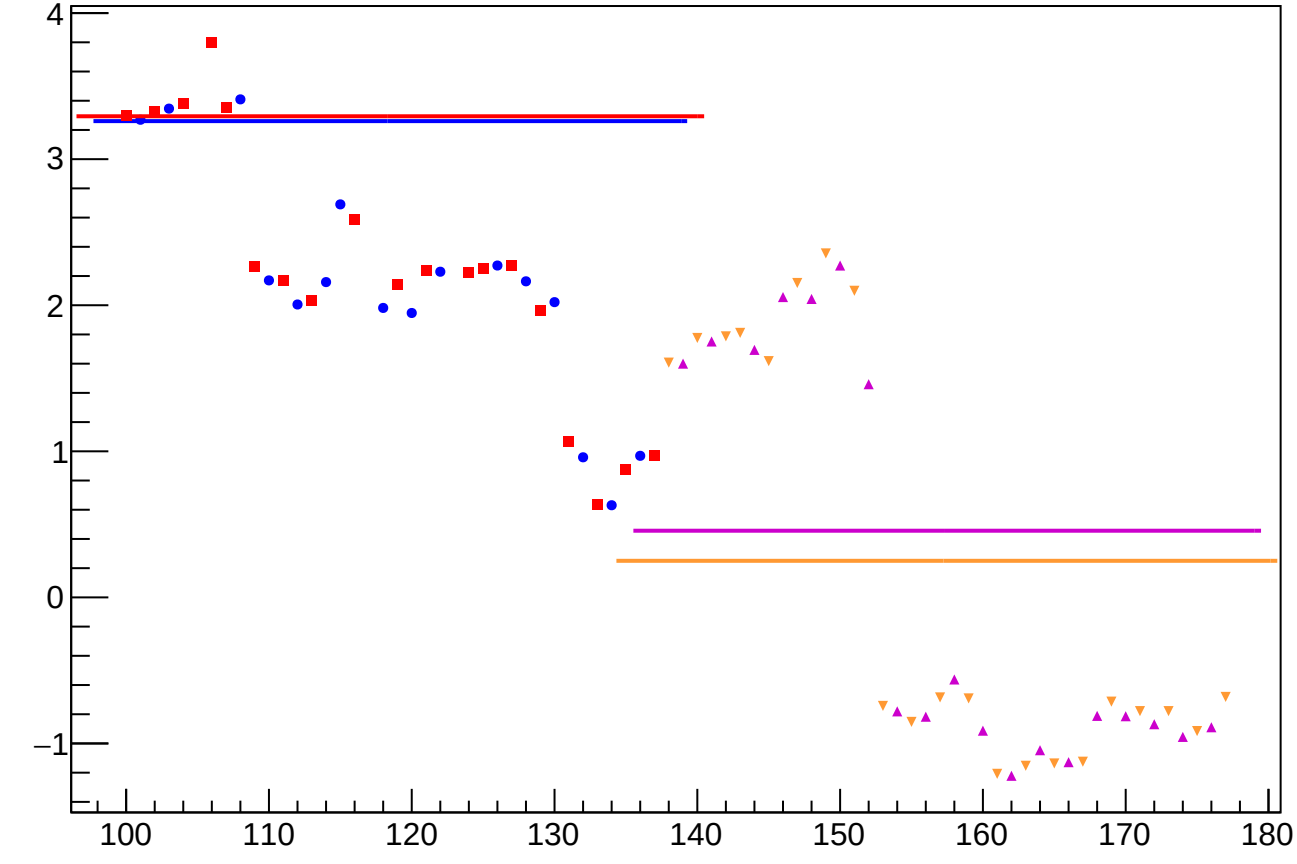
Left In: -4.198+/-0.000 χ^2/NDF:41525311.7/18

+ sign -5.888+/-0.000 χ^2/NDF: 19212659545.3/36

All: -5.871+/-0.000 χ^2/NDF: 38859784706.4/

- sign -5.850+/-0.000 χ^2/NDF: 19612056680.9/37


yield_bpm0l03X_rms vs Slug
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: 0.006+/-0.000 χ²/NDF: 8700553.3/15
Left Out: 0.077+/-0.000 χ²/NDF:4597254.0/20
Right Out: 0.006+/-0.000 χ²/NDF: 8751831.3/18
Left In: 0.069+/-0.000 χ²/NDF:6371223.3/18
+ sign 0.008+/-0.000 χ²/NDF: 32574483.0/36
All: 0.009+/-0.000 χ²/NDF: 62658287.0/74
- sign 0.009+/-0.000 χ²/NDF: 30062505.0/37



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.250+/-0.000 χ^2/NDF:3319643156.0/20

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

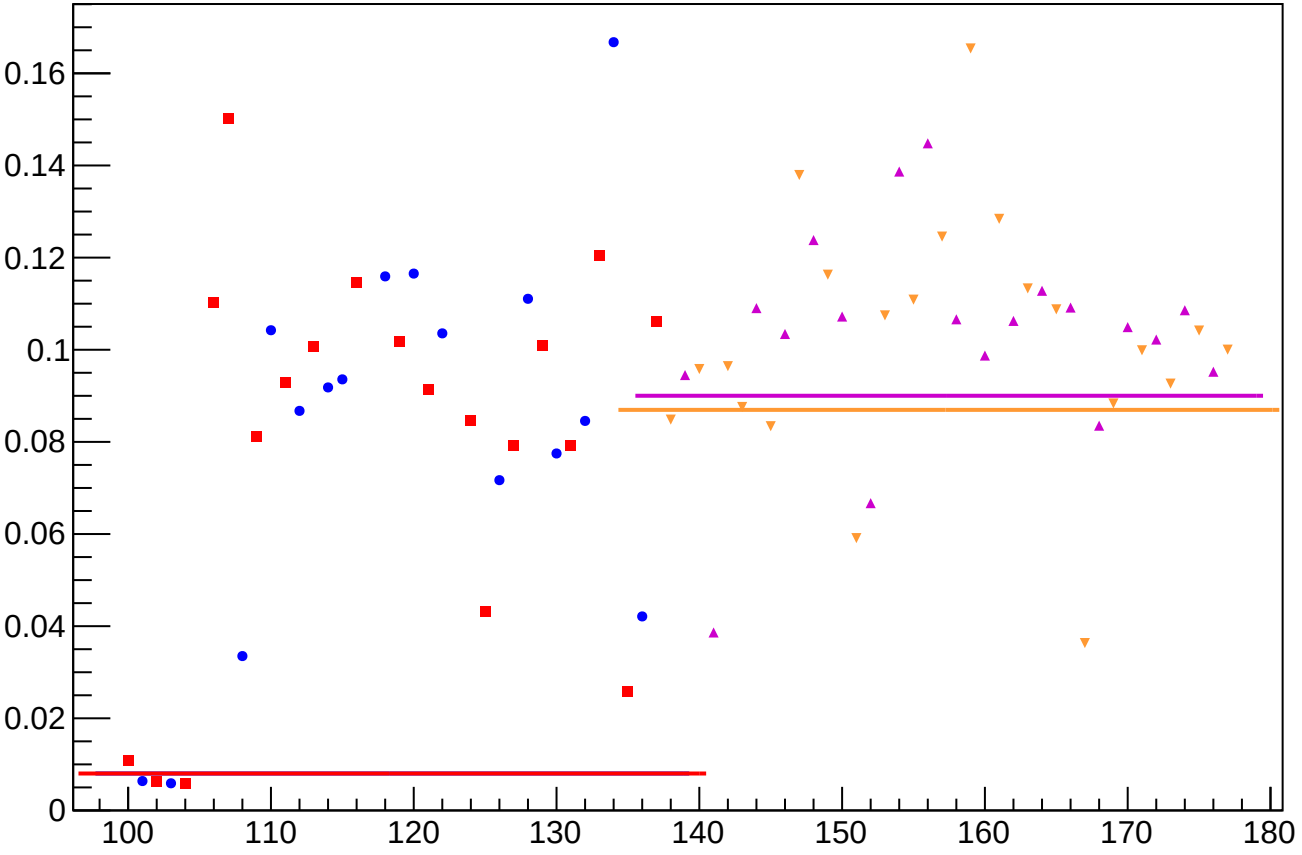
Left In: 0.456+/-0.000 χ^2/NDF:2621148867.0/18

+ sign 3.105+/-0.000 χ^2/NDF: 20875164432.2/36

All: 3.131+/-0.000 χ^2/NDF: 37899941333.3/7

- sign 3.160+/-0.000 χ^2/NDF: 16976777797.3/37

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:2867608.1/20

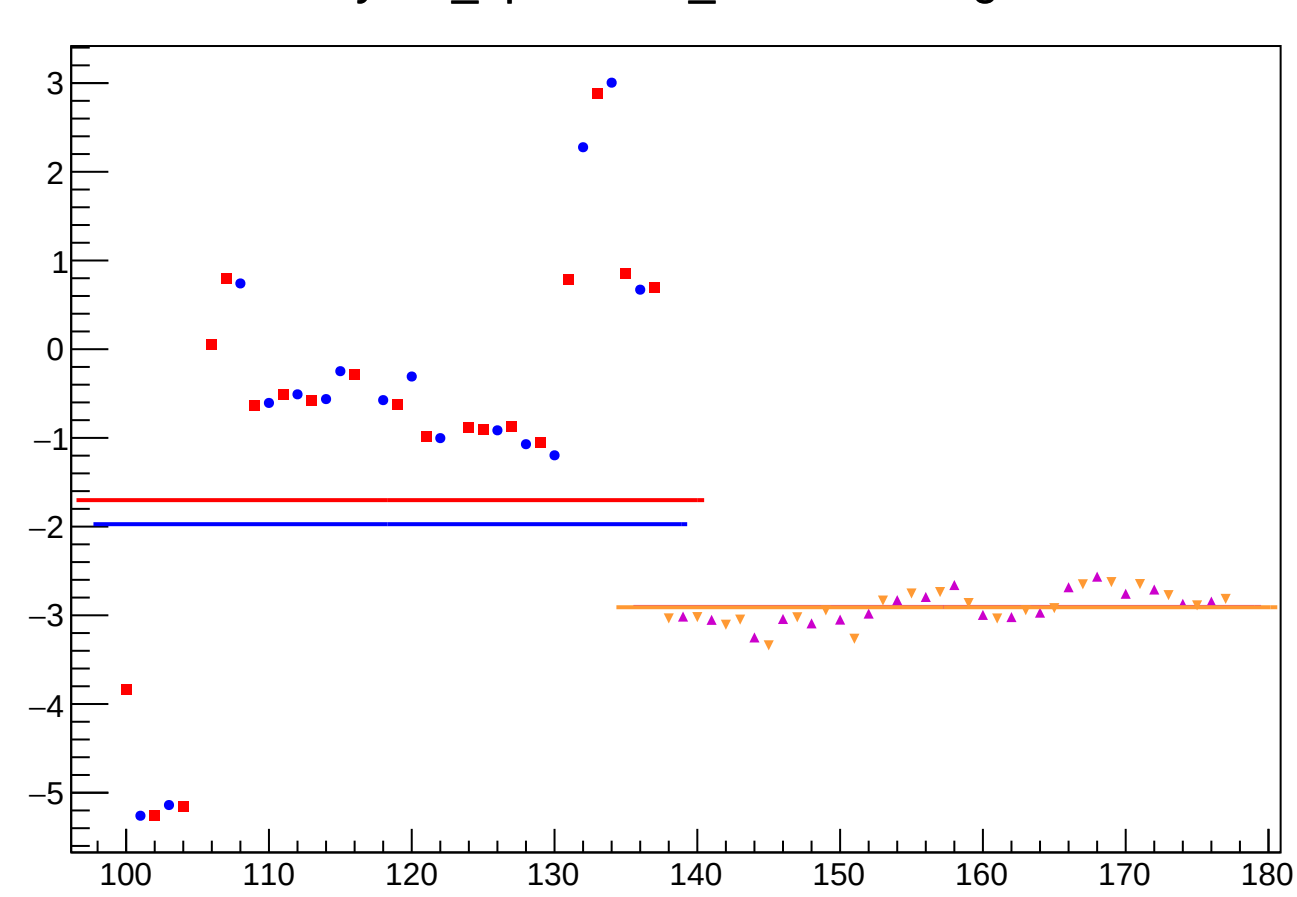
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.090+/-0.000 χ^2/NDF:2368862.3/18

+ sign 0.012+/-0.000 χ^2/NDF: 31285400.8/36

All: 0.012+/-0.000 χ^2/NDF: 60758643.0/74

- sign 0.012+/-0.000 χ^2/NDF: 29471724.8/37



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.909+/-0.000 χ^2/NDF:8970541625.7/20

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

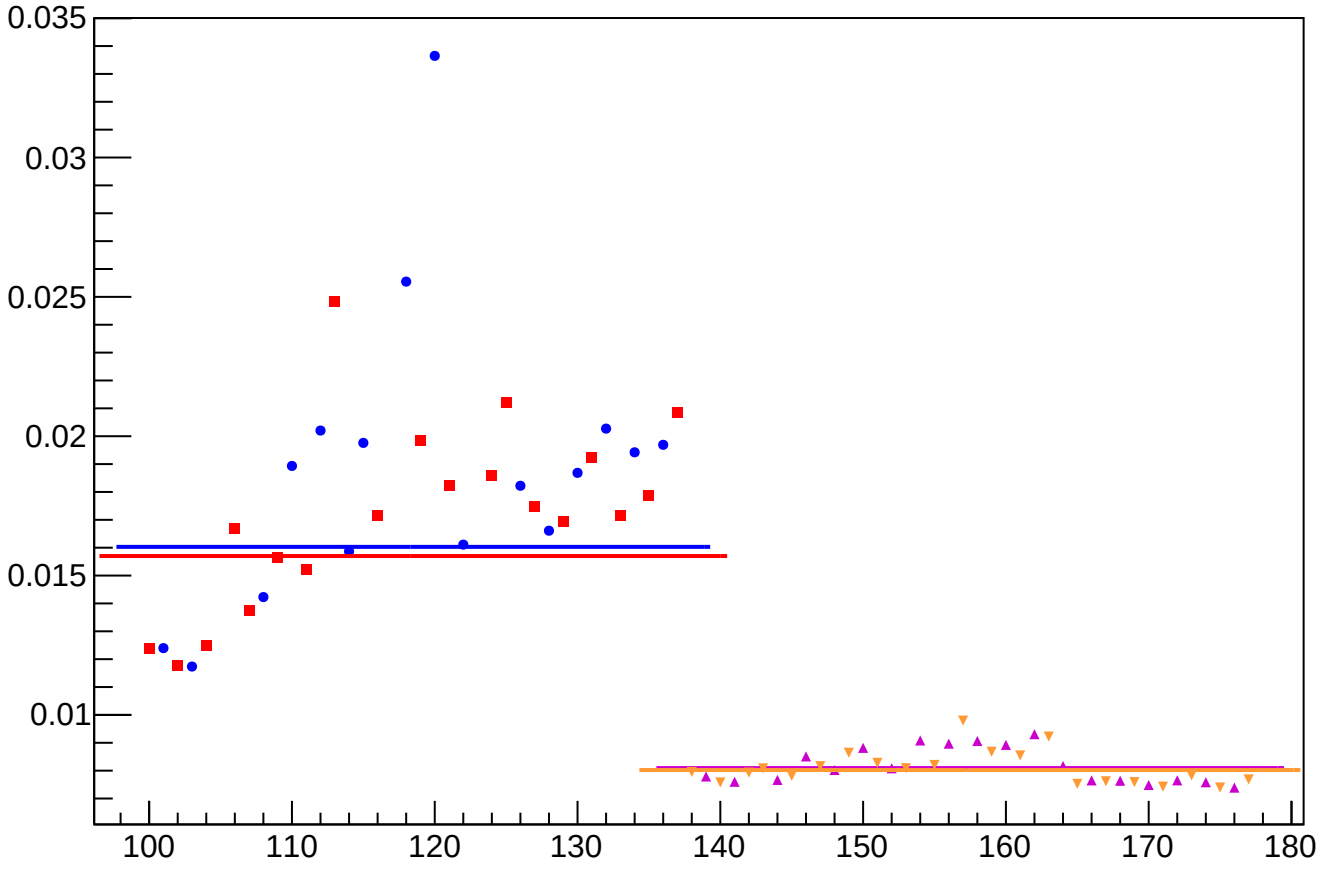
Left In: -2.906+/-0.000 χ^2/NDF:7244721740.9/18

+ sign -2.830+/-0.000 χ^2/NDF: 189134038790.6/36

All: -2.807+/-0.000 χ^2/NDF: 398437189792.8

- sign -2.782+/-0.000 χ^2/NDF: 209000301106.5/37

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:149803.7/20

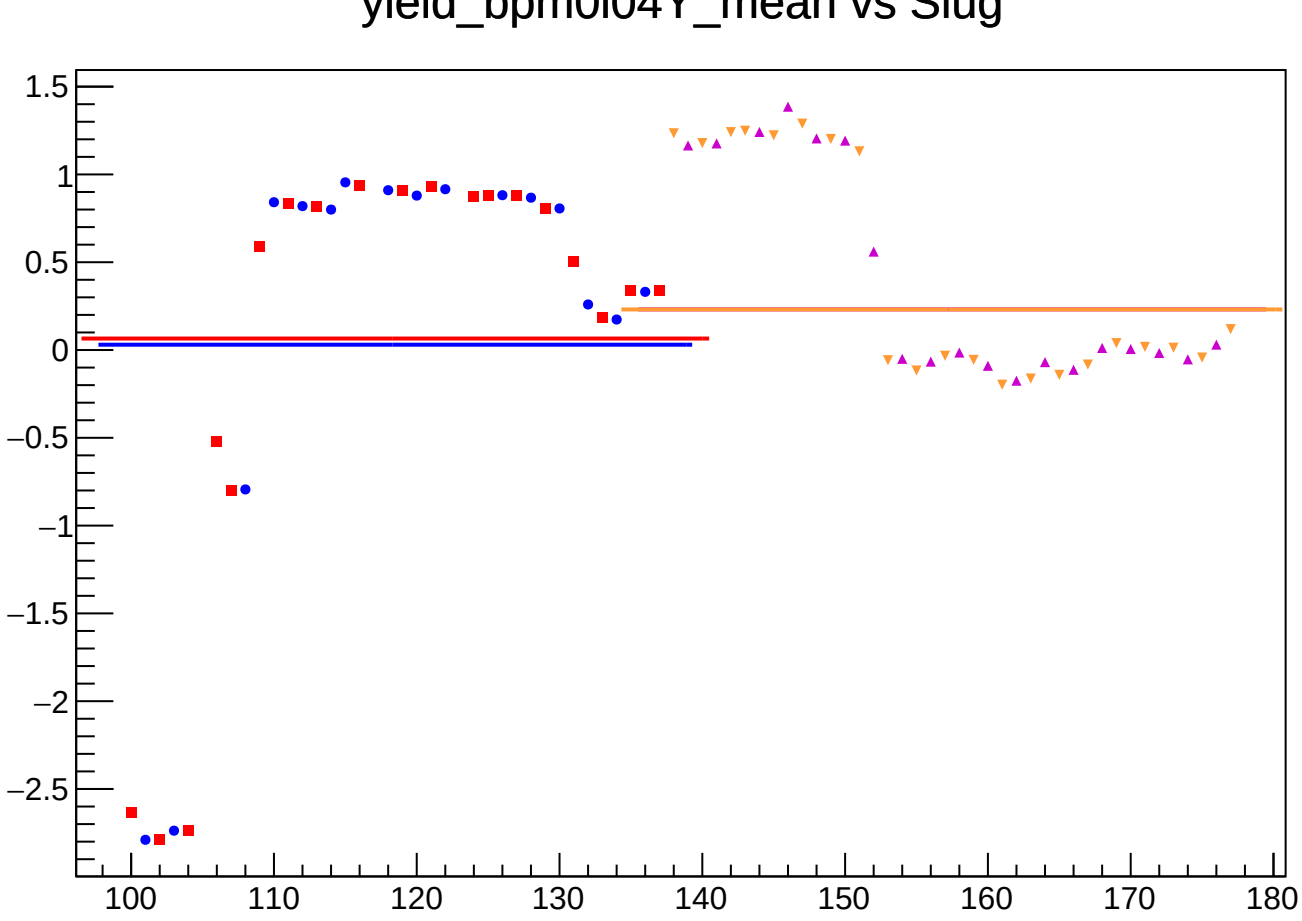
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:167369.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 3546244.8/36

All: 0.009+/-0.000 χ^2/NDF: 6909948.9/74

- sign 0.009+/-0.000 χ^2/NDF: 3355473.9/37



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.231+/-0.000 χ^2/NDF:101766272594.6/20

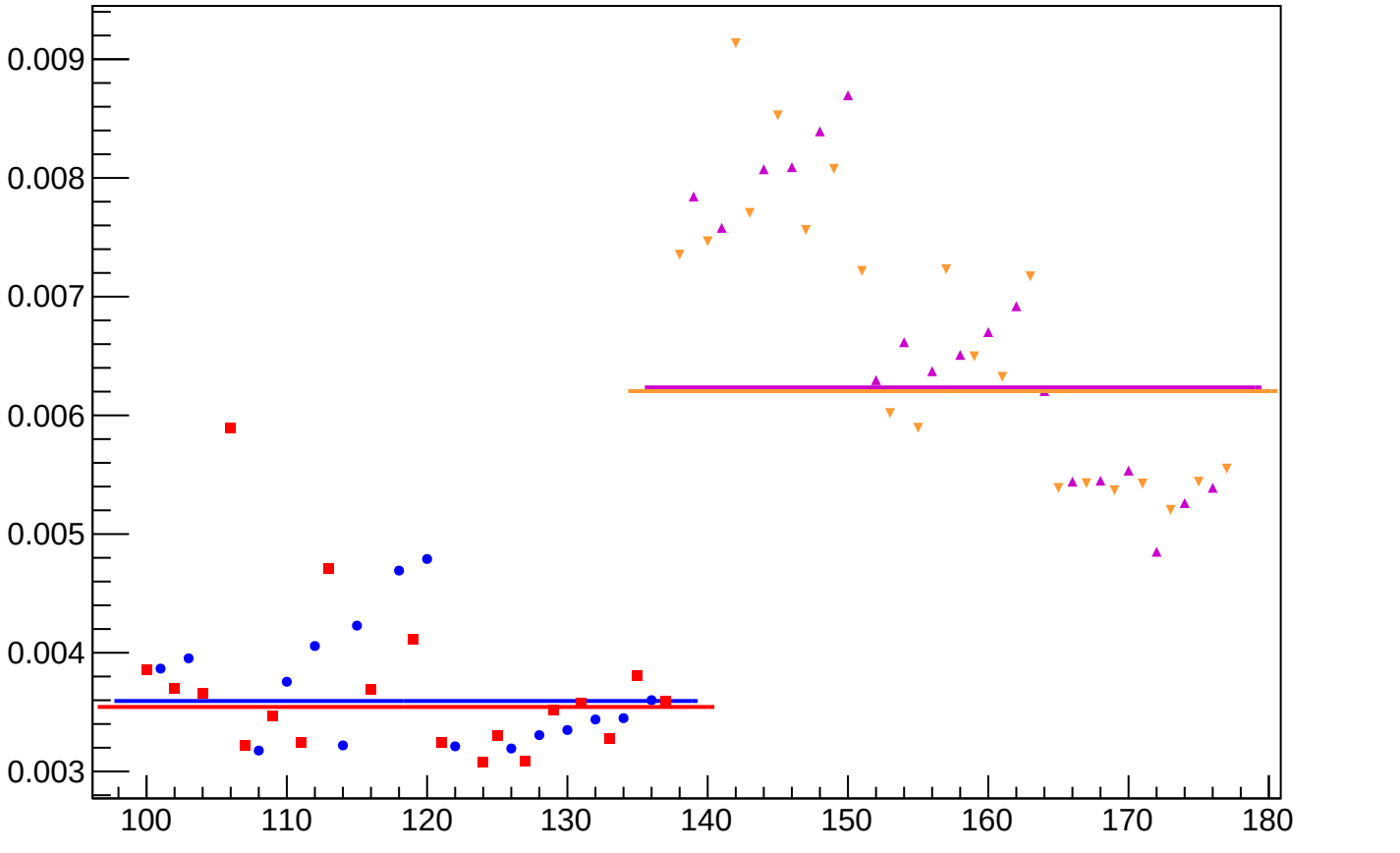
Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.231+/-0.000 χ^2/NDF:85961349959.6/18

+ sign 0.114+/-0.000 χ^2/NDF: 962160823446.4/36

All: 0.121+/-0.000 χ^2/NDF: 1989537683510.

- sign 0.128+/-0.000 χ^2/NDF: 1027281581422.8/37



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:727102.7/20

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

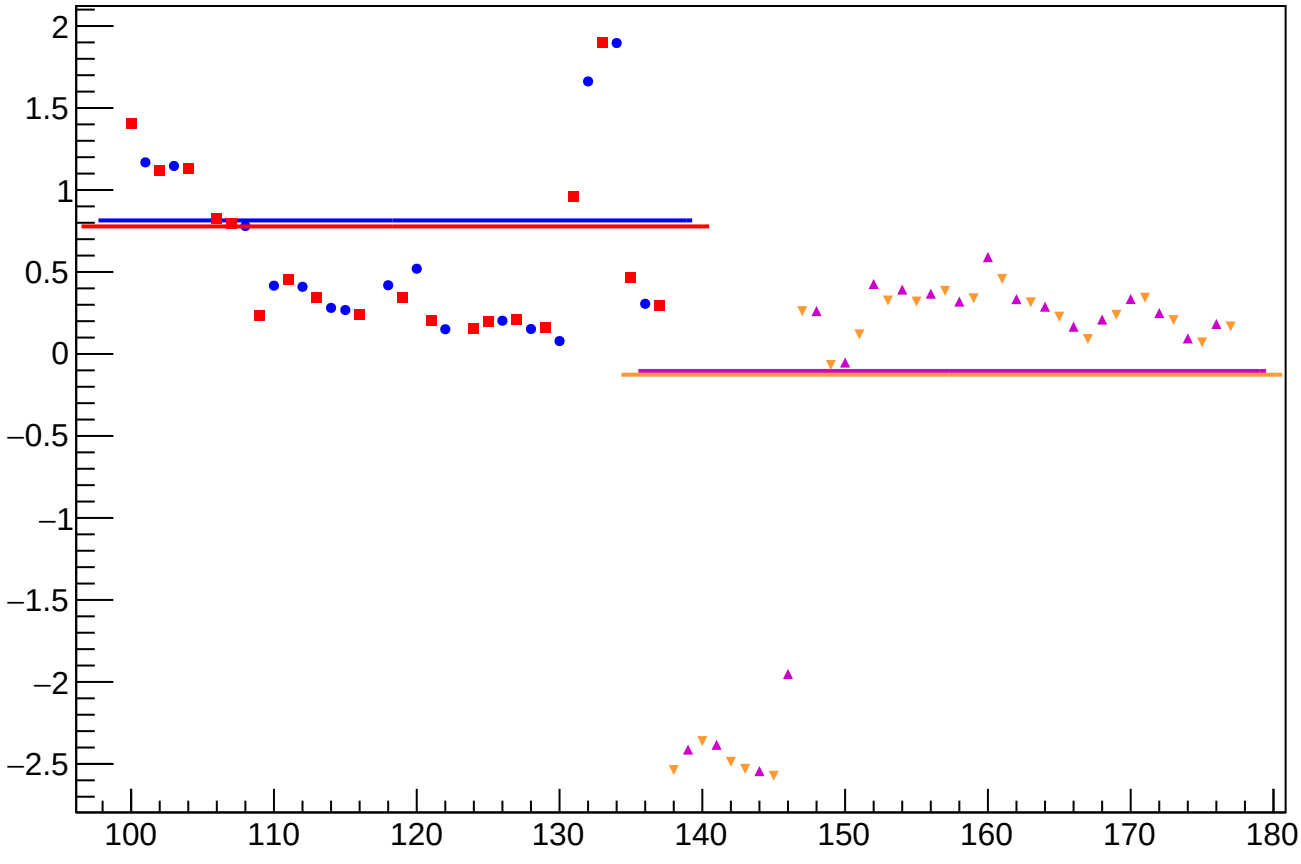
Left In: 0.006+/-0.000 χ^2/NDF:791943.8/18

+ sign 0.005+/-0.000 χ^2/NDF: 3854349.3/36

All: 0.005+/-0.000 χ^2/NDF: 7951448.4/74

- sign 0.005+/-0.000 χ^2/NDF: 4085200.3/37

yield_bpm0l05X_mean vs Slug



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.126+/-0.000 χ^2/NDF:381205918213.0/20

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

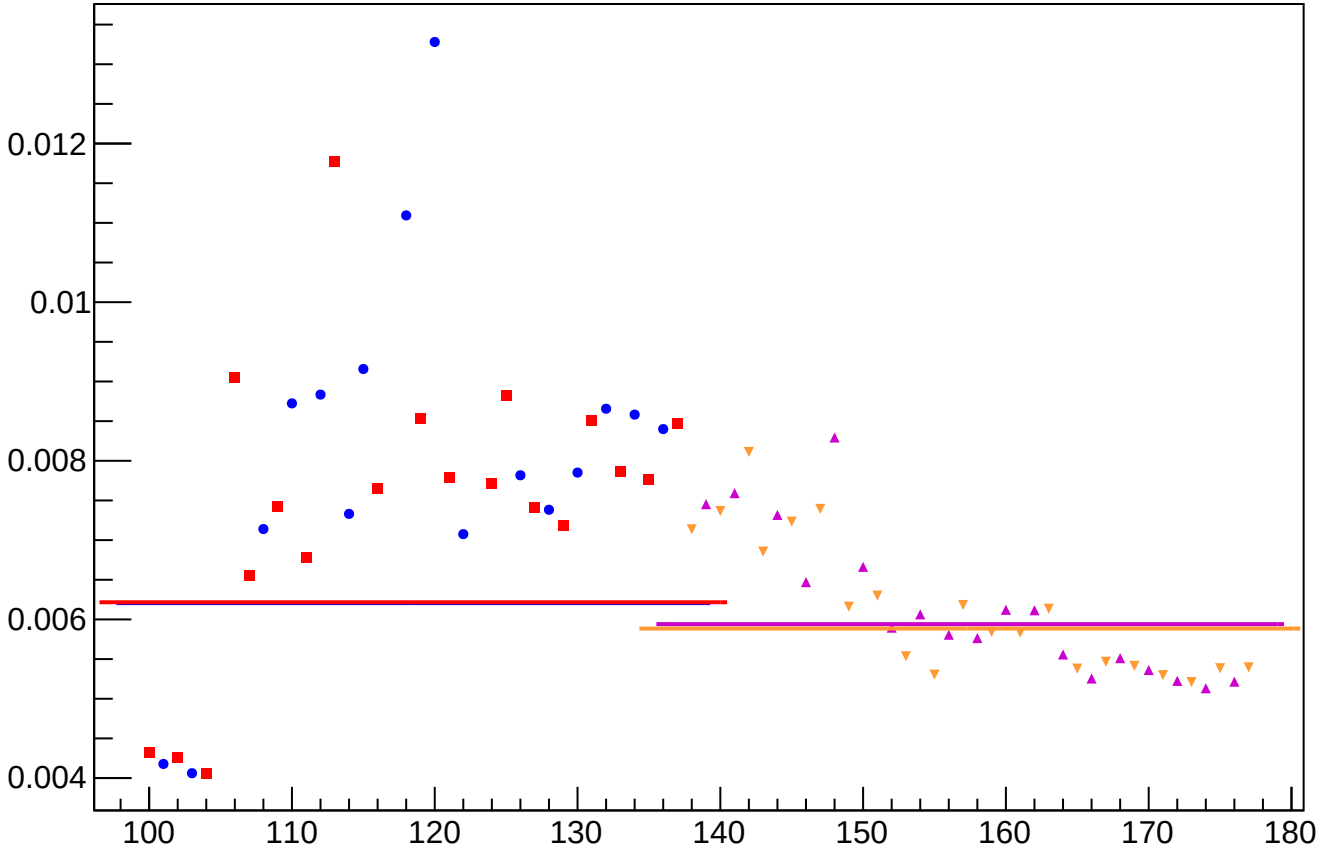
Left In: -0.104+/-0.000 χ^2/NDF:341397949217.1/18

+ sign 0.108+/-0.000 χ^2/NDF: 512448044531.1/36

All: 0.126+/-0.000 χ^2/NDF: 975690911392.8

- sign 0.144+/-0.000 χ^2/NDF: 462892739409.8/37

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:429674.6/20

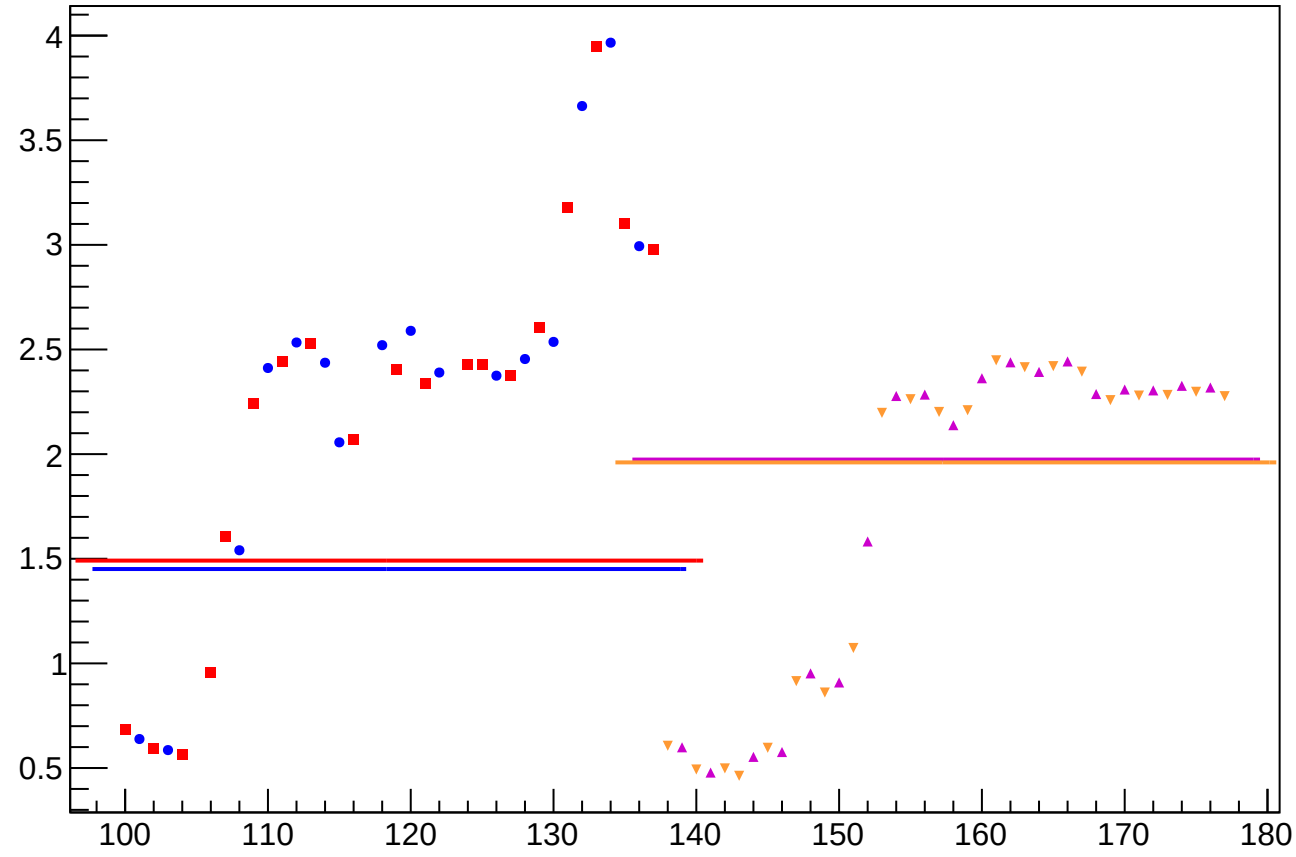
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:489946.8/18

+ sign 0.006+/-0.000 χ^2/NDF: 1875858.0/36

All: 0.006+/-0.000 χ^2/NDF: 3545484.0/74

- sign 0.006+/-0.000 χ^2/NDF: 1668044.6/37



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.960+/-0.000 χ^2/NDF:212780399145.2/20

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

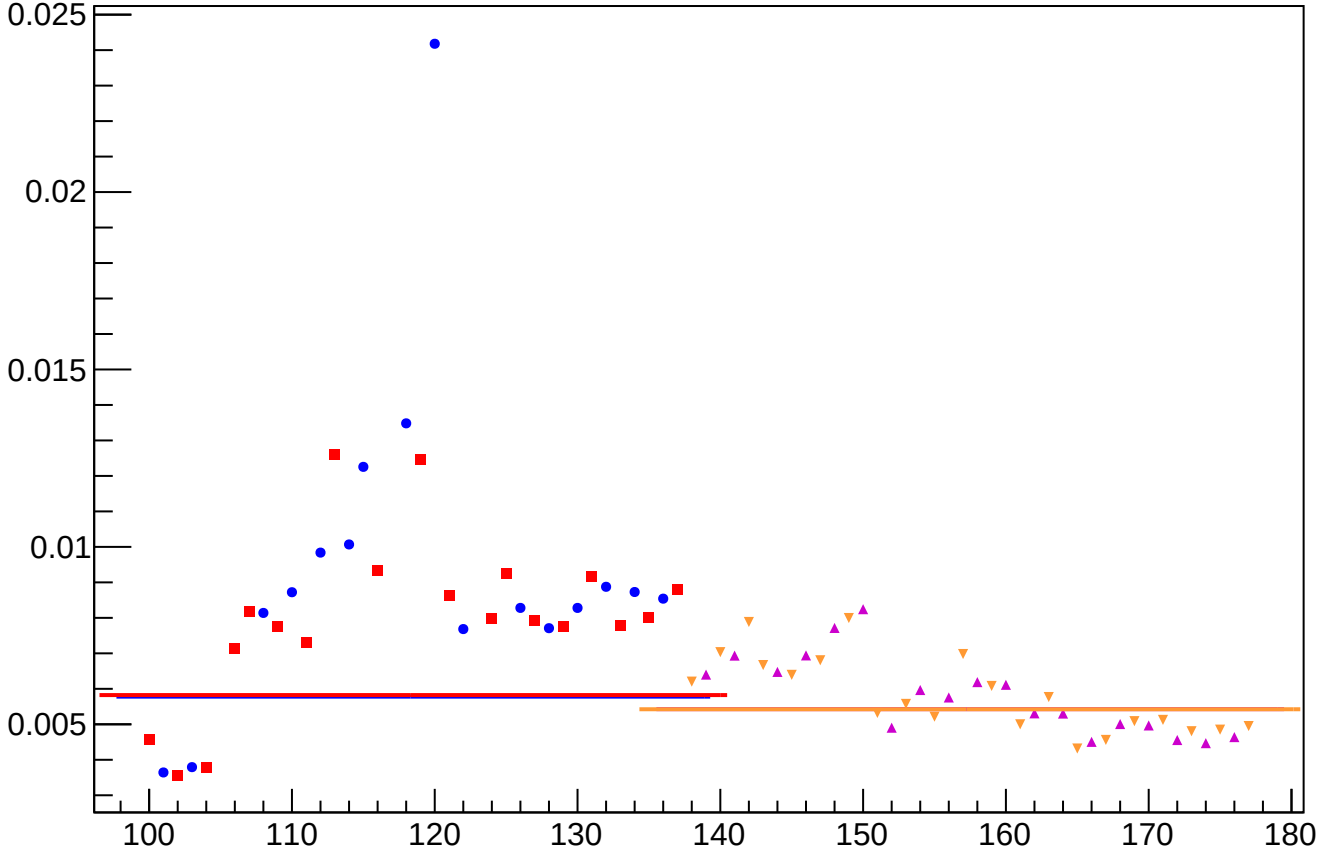
Left In: 1.974+/-0.000 χ^2/NDF:187261729386.7/18

+ sign 1.838+/-0.000 χ^2/NDF: 411979650553.5/36

All: 1.841+/-0.000 χ^2/NDF: 813708852796.4

- sign 1.844+/-0.000 χ^2/NDF: 401717838532.2/37

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:702618.9/20

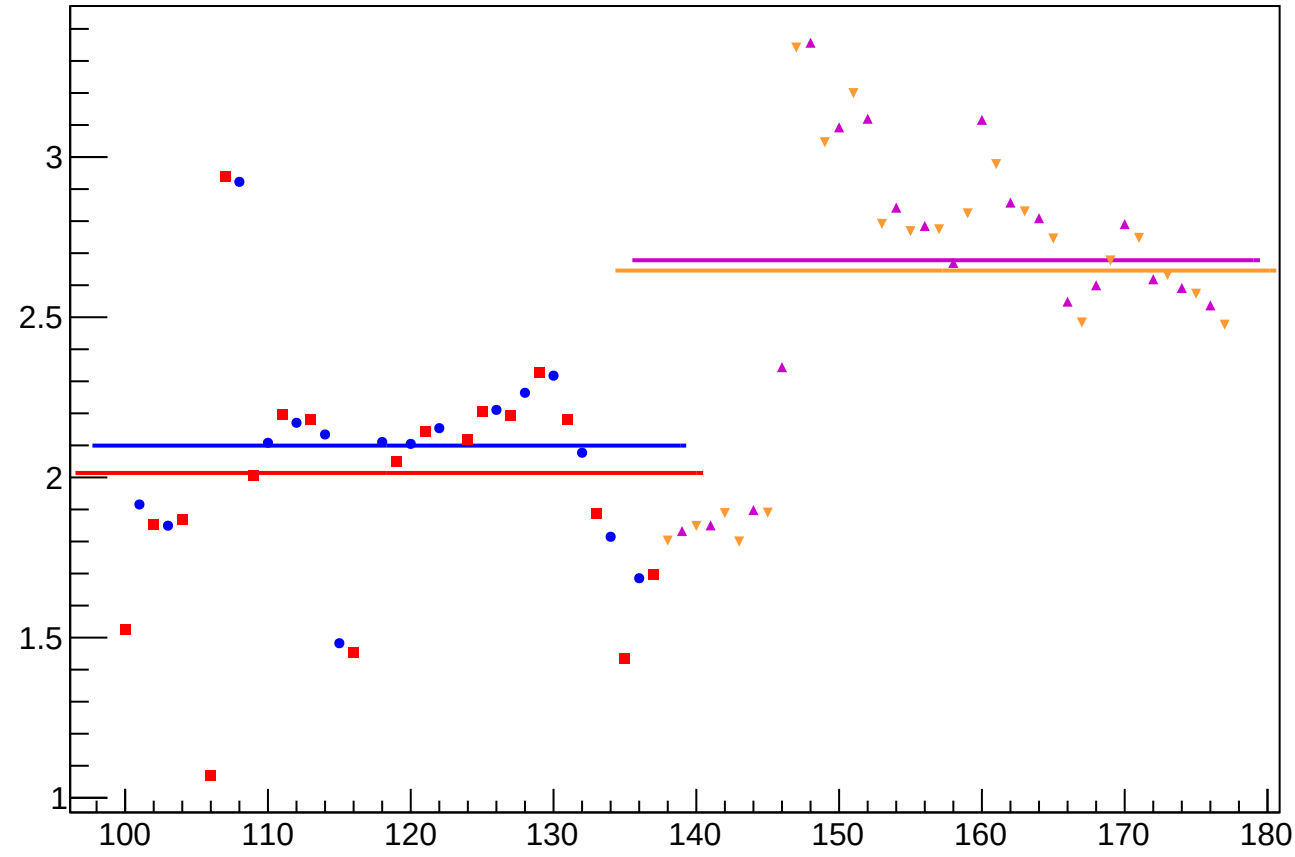
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:781093.2/18

+ sign 0.006+/-0.000 χ^2/NDF: 2945413.0/36

All: 0.006+/-0.000 χ^2/NDF: 5719706.4/74

- sign 0.006+/-0.000 χ^2/NDF: 2773935.9/37



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.646+/-0.000 χ^2/NDF:44189549850.7/20

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

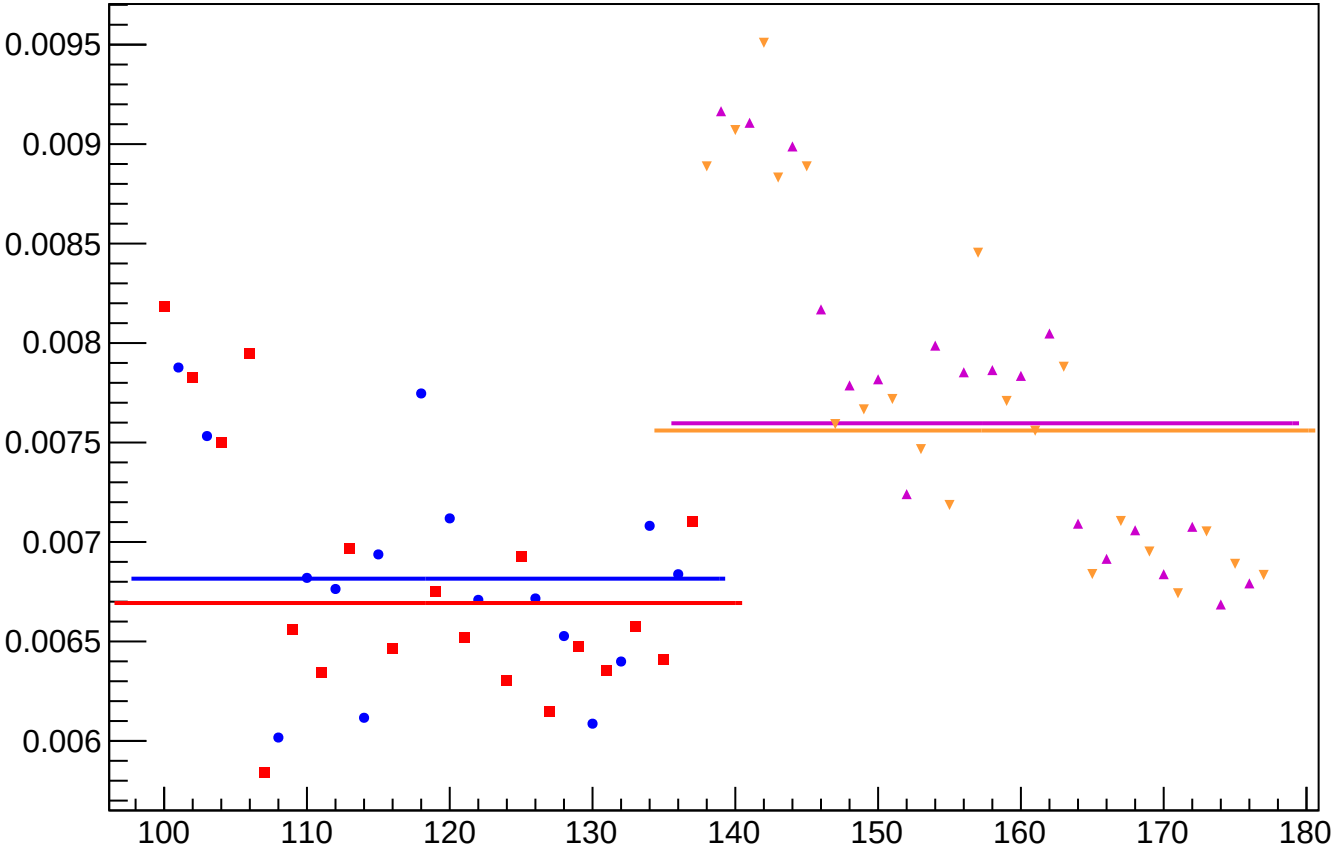
Left In: 2.678+/-0.000 χ^2/NDF:37331524482.1/18

+ sign 2.454+/-0.000 χ^2/NDF: 86639376652.3/36

All: 2.438+/-0.000 χ^2/NDF: 186970141615.3

- sign 2.422+/-0.000 χ^2/NDF: 100108207711.8/37

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:293806.7/20

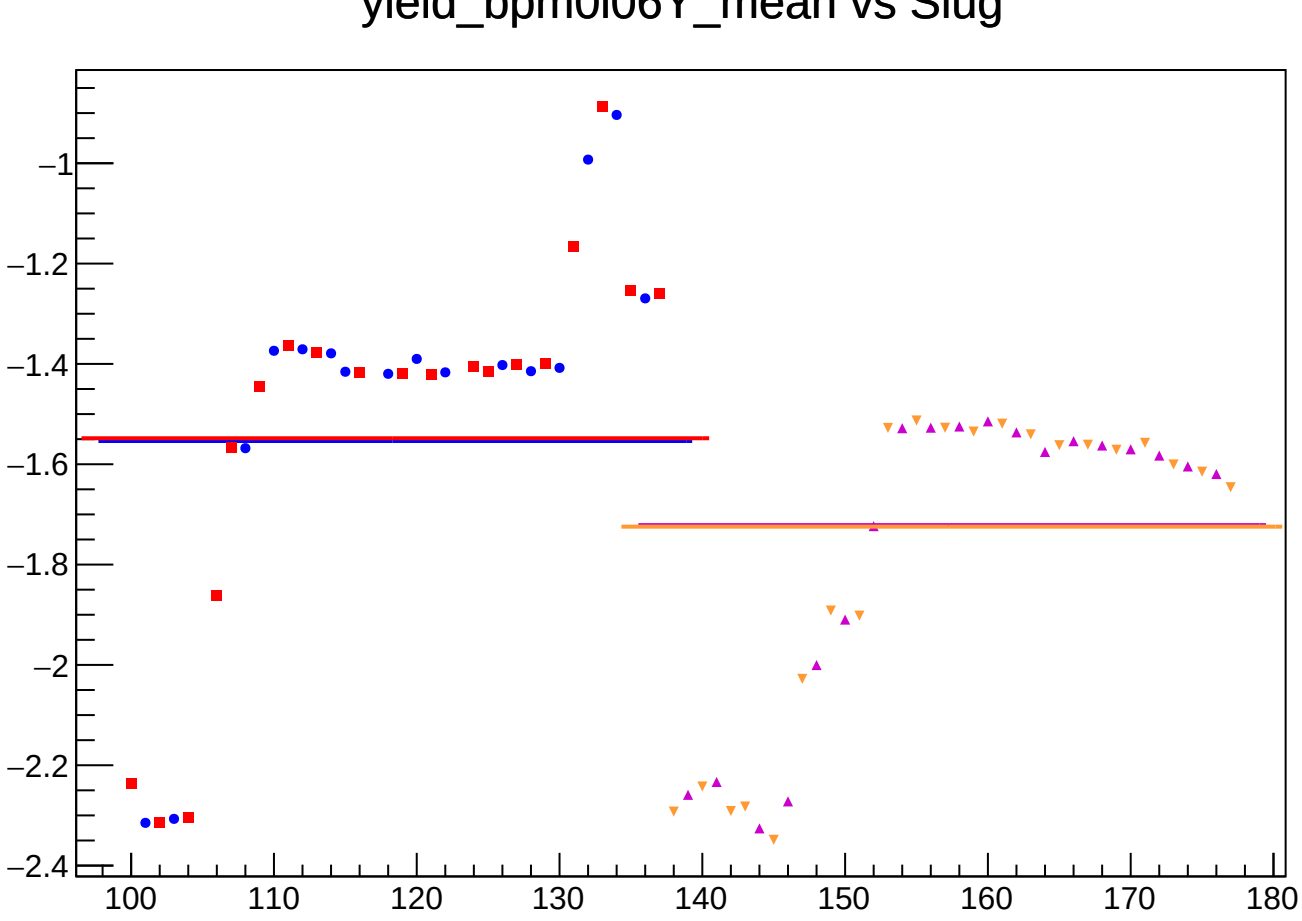
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:264681.5/18

+ sign 0.007+/-0.000 χ^2/NDF: 486583.4/36

All: 0.007+/-0.000 χ^2/NDF: 1000091.7/74

- sign 0.007+/-0.000 χ^2/NDF: 512401.4/37



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.724+/-0.000 χ^2/NDF:148280043858.3/20

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

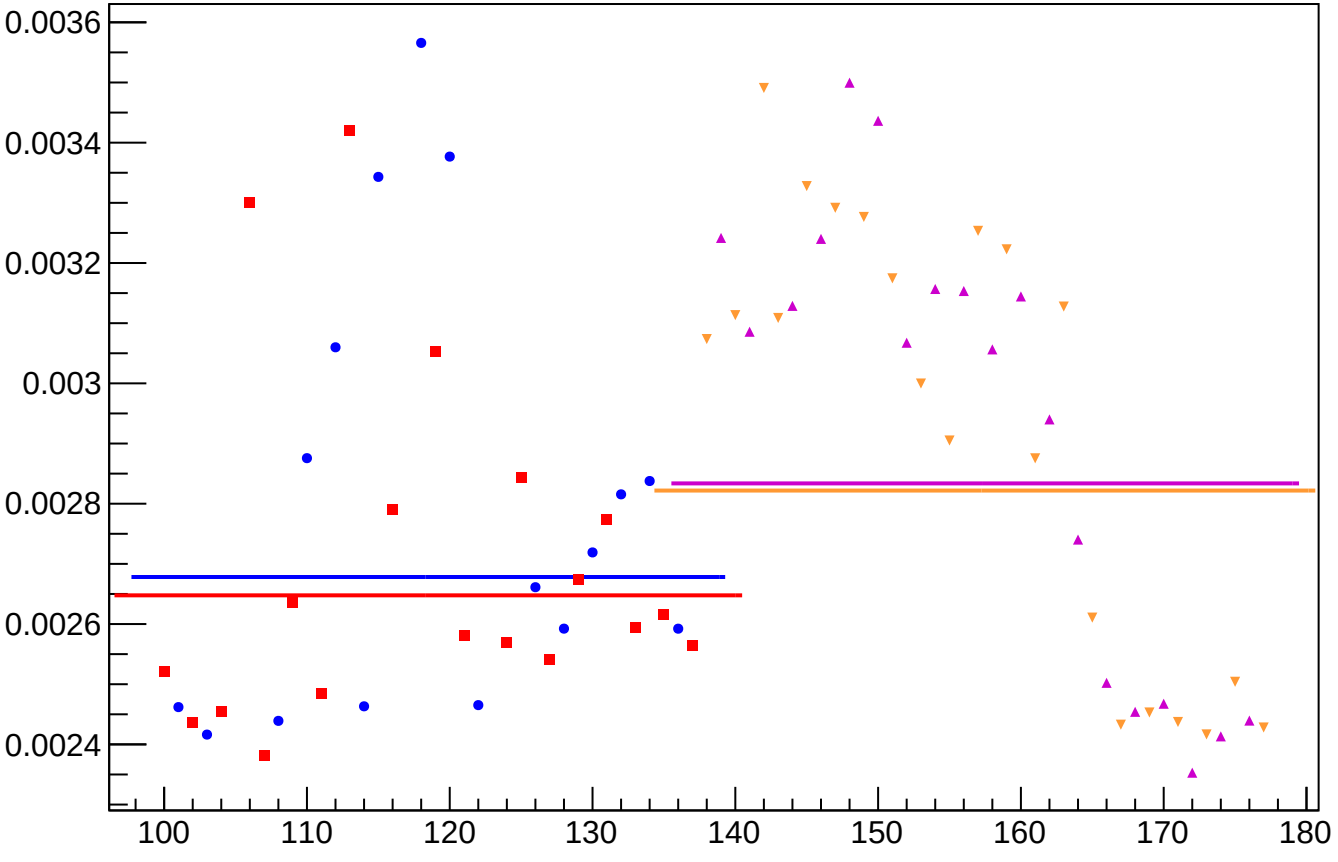
Left In: -1.721+/-0.000 χ^2/NDF:133984376037.9/18

+ sign -1.669+/-0.000 χ^2/NDF: 341832211797.3/36

All: -1.664+/-0.000 χ^2/NDF: 669923049955.0

- sign -1.659+/-0.000 χ^2/NDF: 327967753033.9/37

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:484267.3/20

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

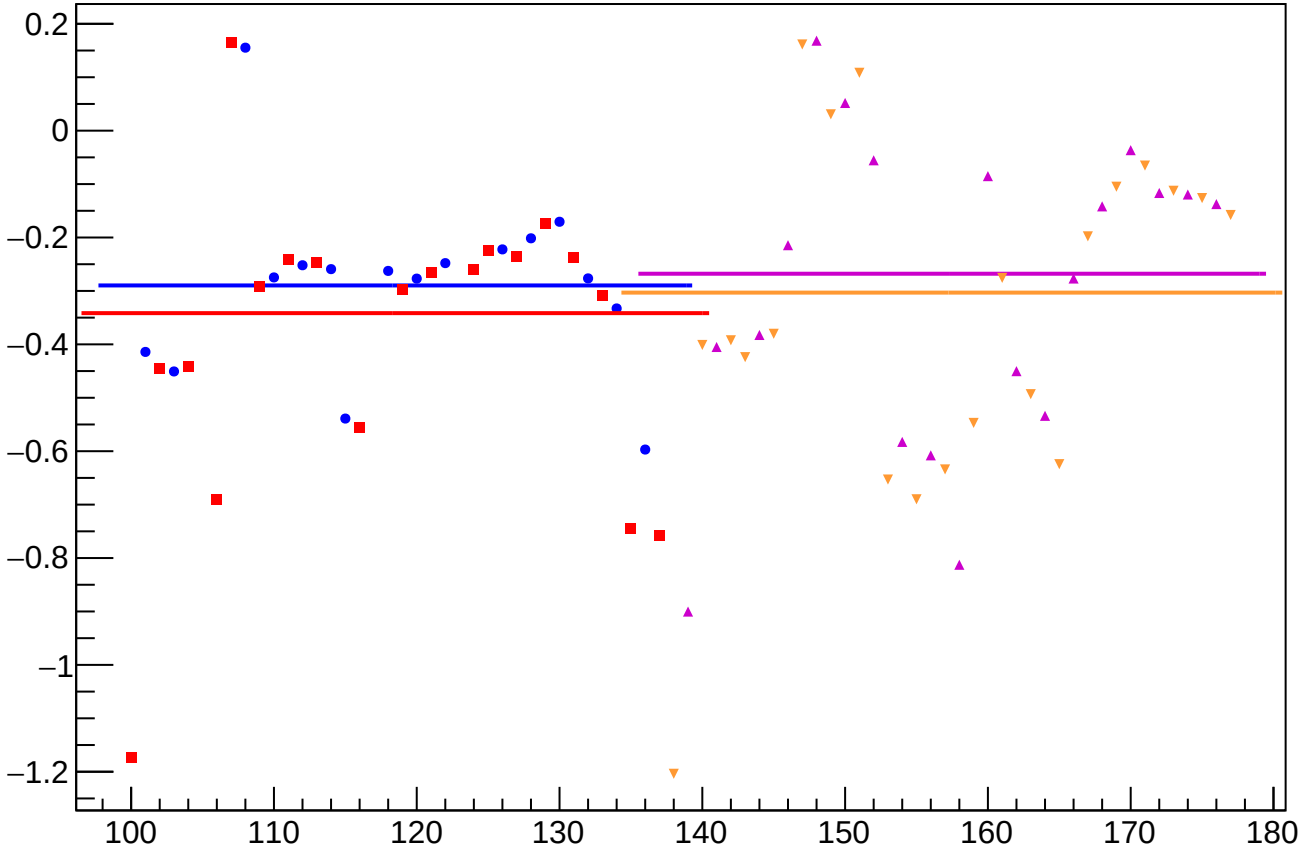
Left In: 0.003+/-0.000 χ^2/NDF:497638.6/18

+ sign 0.003+/-0.000 χ^2/NDF: 668158.7/36

All: 0.003+/-0.000 χ^2/NDF: 1326571.1/74

- sign 0.003+/-0.000 χ^2/NDF: 658238.9/37

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.303+/-0.000 χ^2/NDF:9071821594.2/20

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

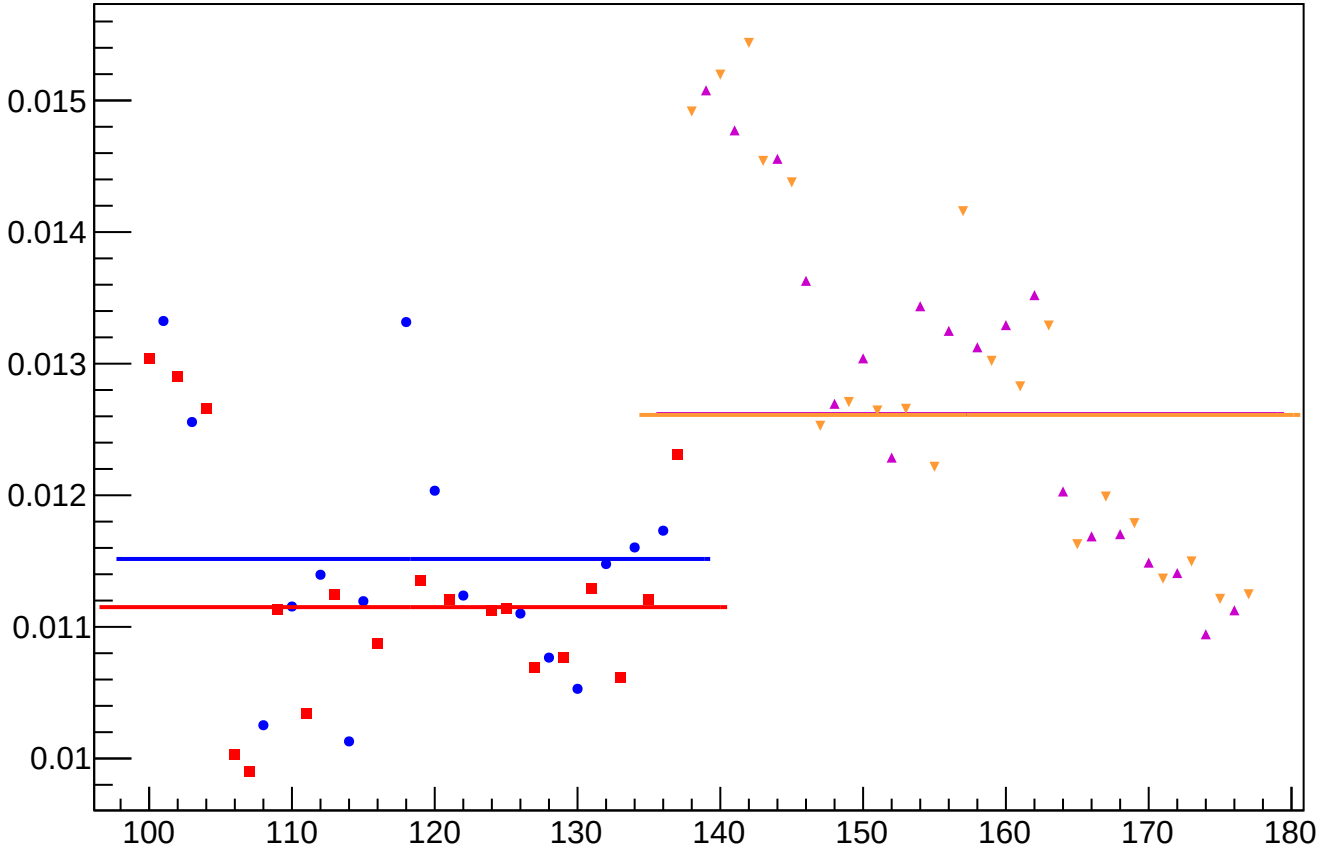
Left In: -0.268+/-0.000 χ^2/NDF:7022685890.5/18

+ sign -0.299+/-0.000 χ^2/NDF: 10723135255.3/36

All: -0.297+/-0.000 χ^2/NDF: 20549661151.5/

- sign -0.296+/-0.000 χ^2/NDF: 9826202422.6/37

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:282308.7/20

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

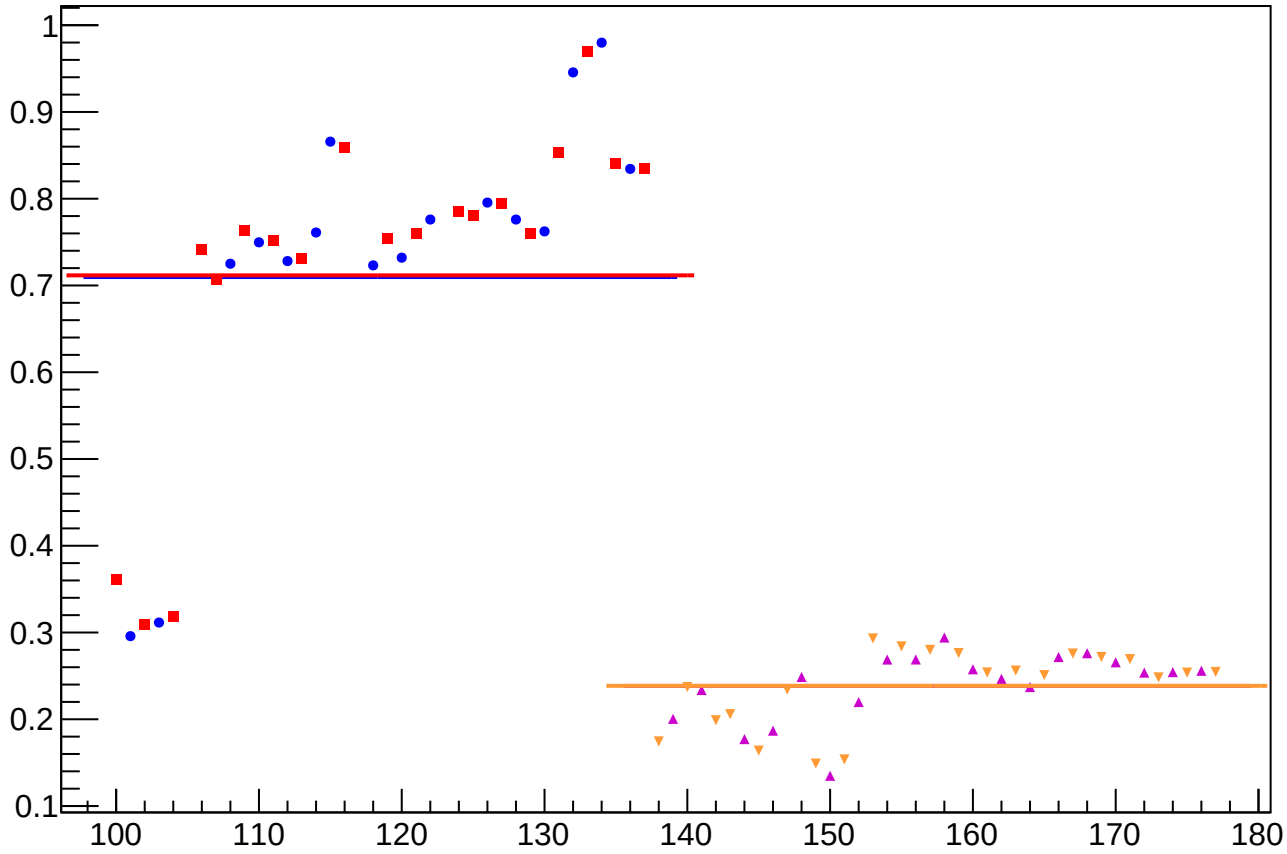
Left In: 0.013+/-0.000 χ^2/NDF:258150.0/18

+ sign 0.012+/-0.000 χ^2/NDF: 448286.6/36

All: 0.012+/-0.000 χ^2/NDF: 935808.8/74

- sign 0.012+/-0.000 χ^2/NDF: 482410.2/37

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.239+/-0.000 χ^2/NDF:6866260714.6/20

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

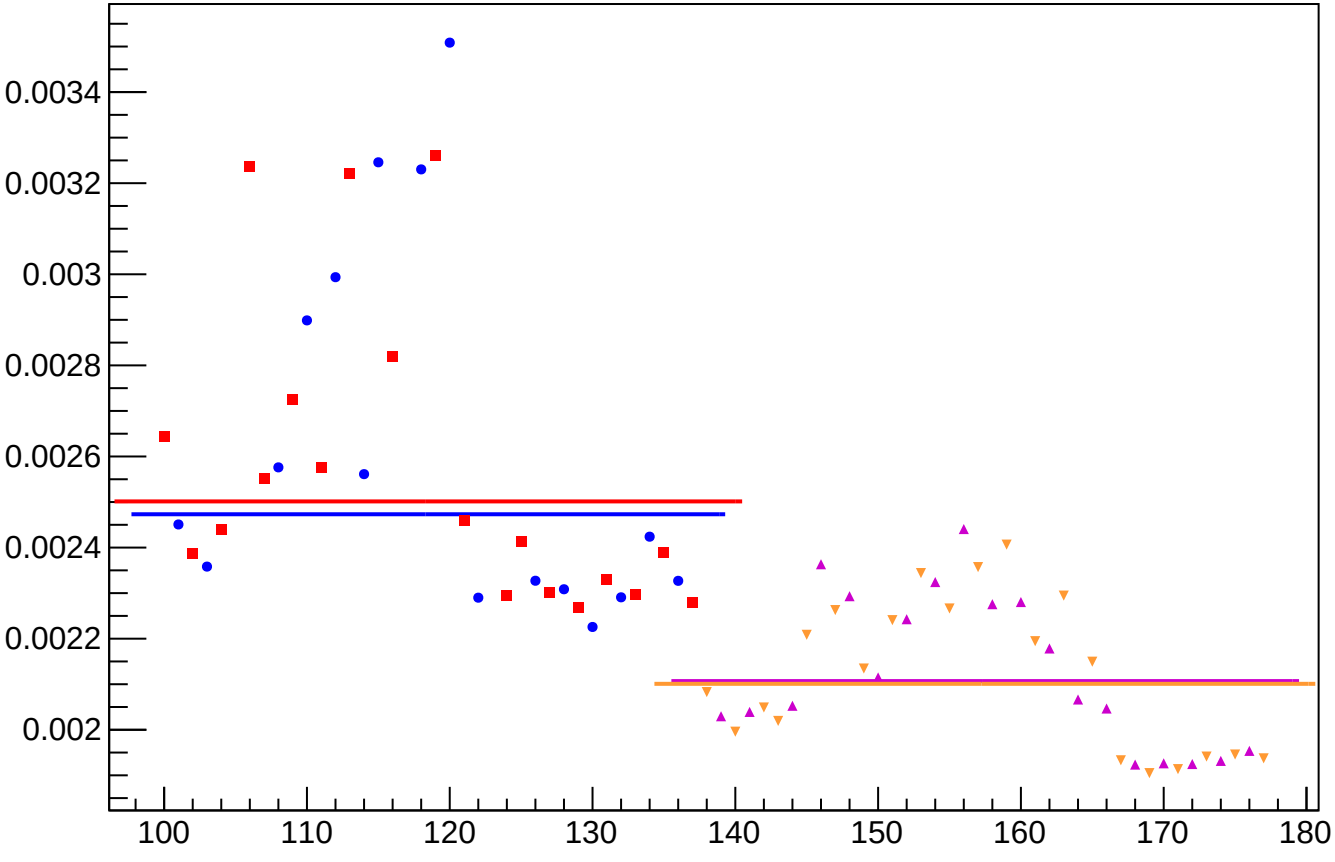
Left In: 0.238+/-0.000 χ^2/NDF:5408474354.6/18

+ sign 0.347+/-0.000 χ^2/NDF: 246229472388.7/36

All: 0.351+/-0.000 χ^2/NDF: 485854360578.3

- sign 0.355+/-0.000 χ^2/NDF: 239490412820.9/37

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:192789.0/20

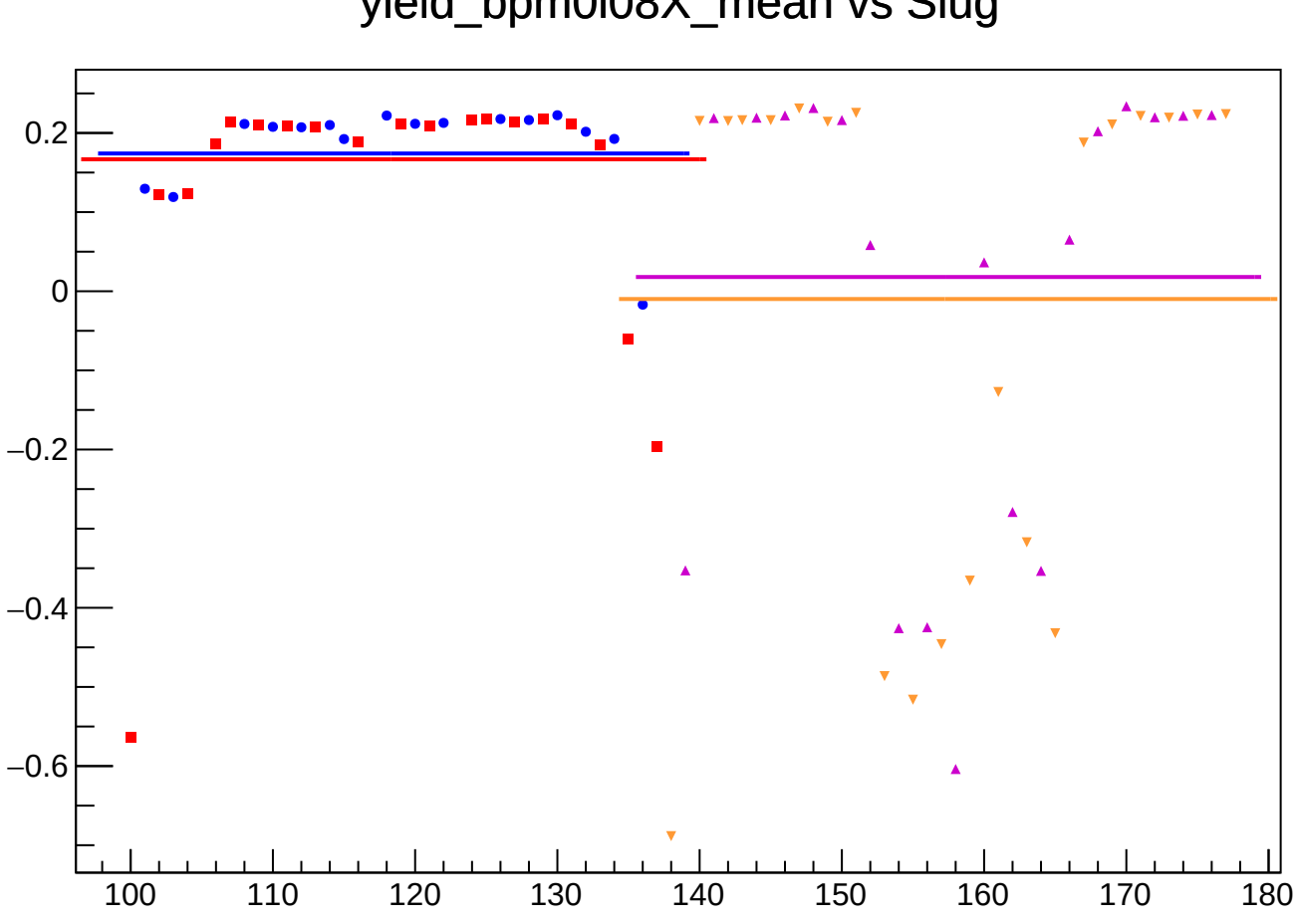
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:177989.5/18

+ sign 0.002+/-0.000 χ^2/NDF: 638573.7/36

All: 0.002+/-0.000 χ^2/NDF: 1259256.7/74

- sign 0.002+/-0.000 χ^2/NDF: 619302.8/37



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.010+/-0.000 χ^2/NDF:11959541293.9/20

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

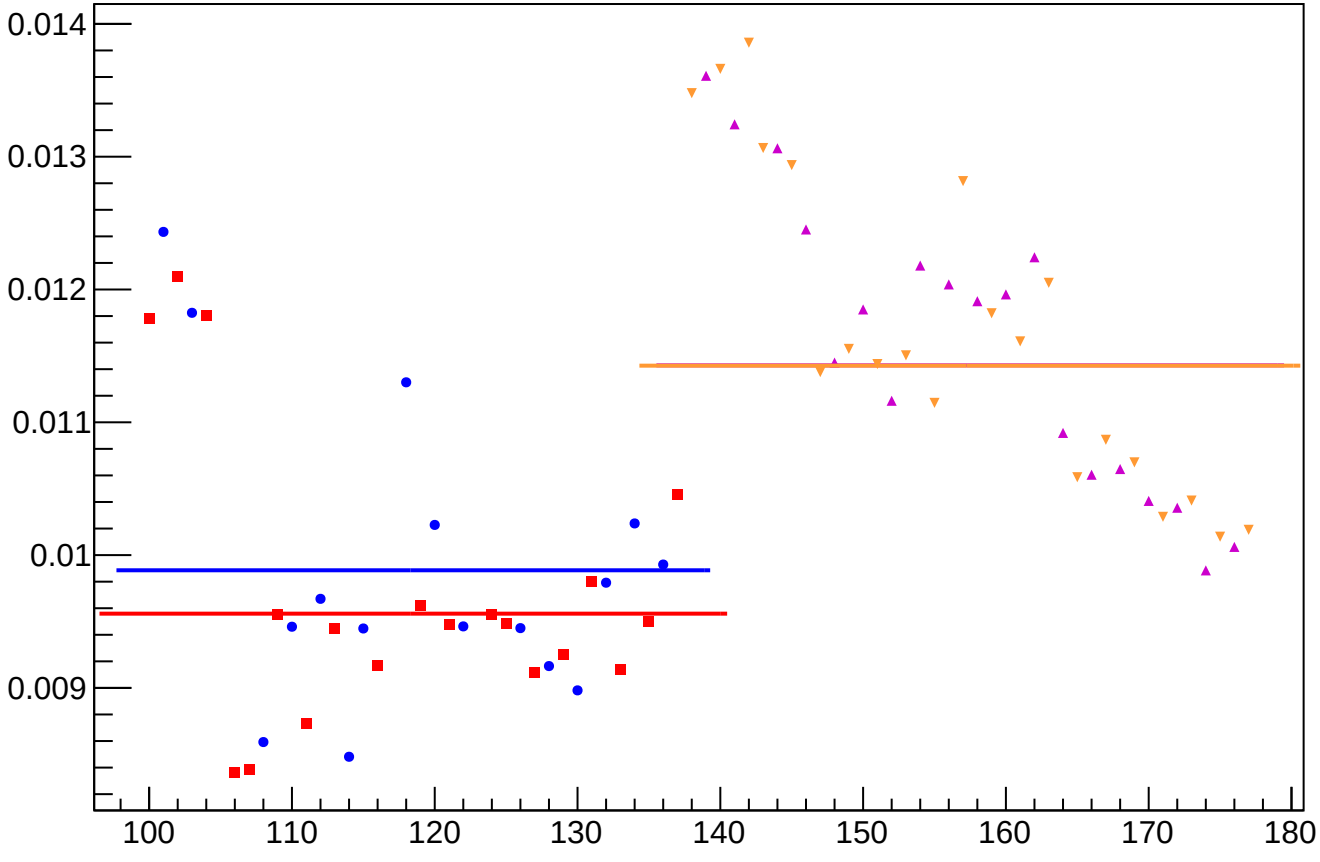
Left In: 0.018+/-0.000 χ^2/NDF:8873596095.9/18

+ sign 0.058+/-0.000 χ^2/NDF: 13860883623.9/36

All: 0.069+/-0.000 χ^2/NDF: 24697225145.6/7

- sign 0.079+/-0.000 χ^2/NDF: 10792448659.8/37

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:270861.5/20

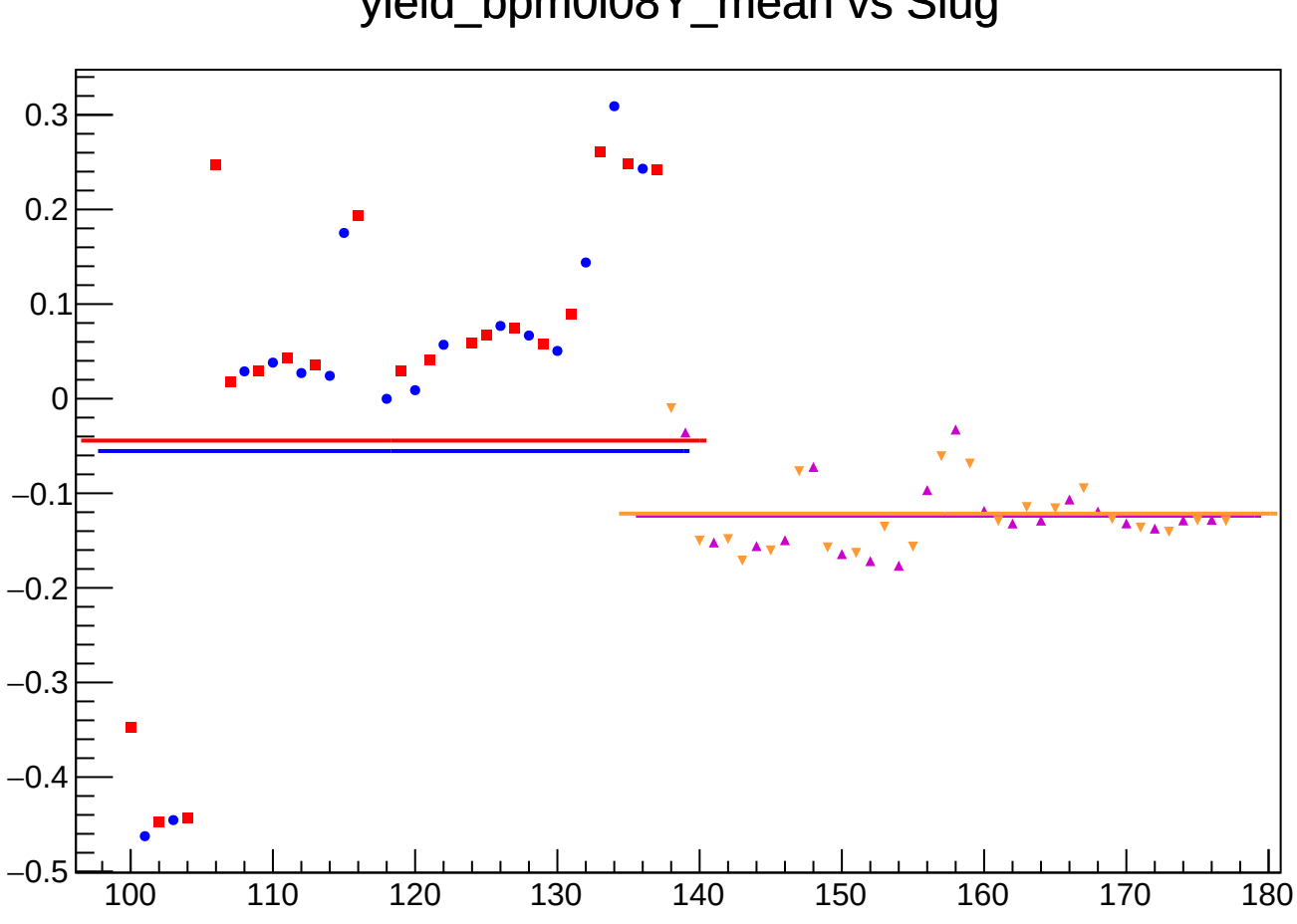
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:251147.6/18

+ sign 0.011+/-0.000 χ^2/NDF: 629975.5/36

All: 0.011+/-0.000 χ^2/NDF: 1348868.8/74

- sign 0.011+/-0.000 χ^2/NDF: 711160.5/37



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.121+/-0.000 χ^2/NDF:2916631766.0/20

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

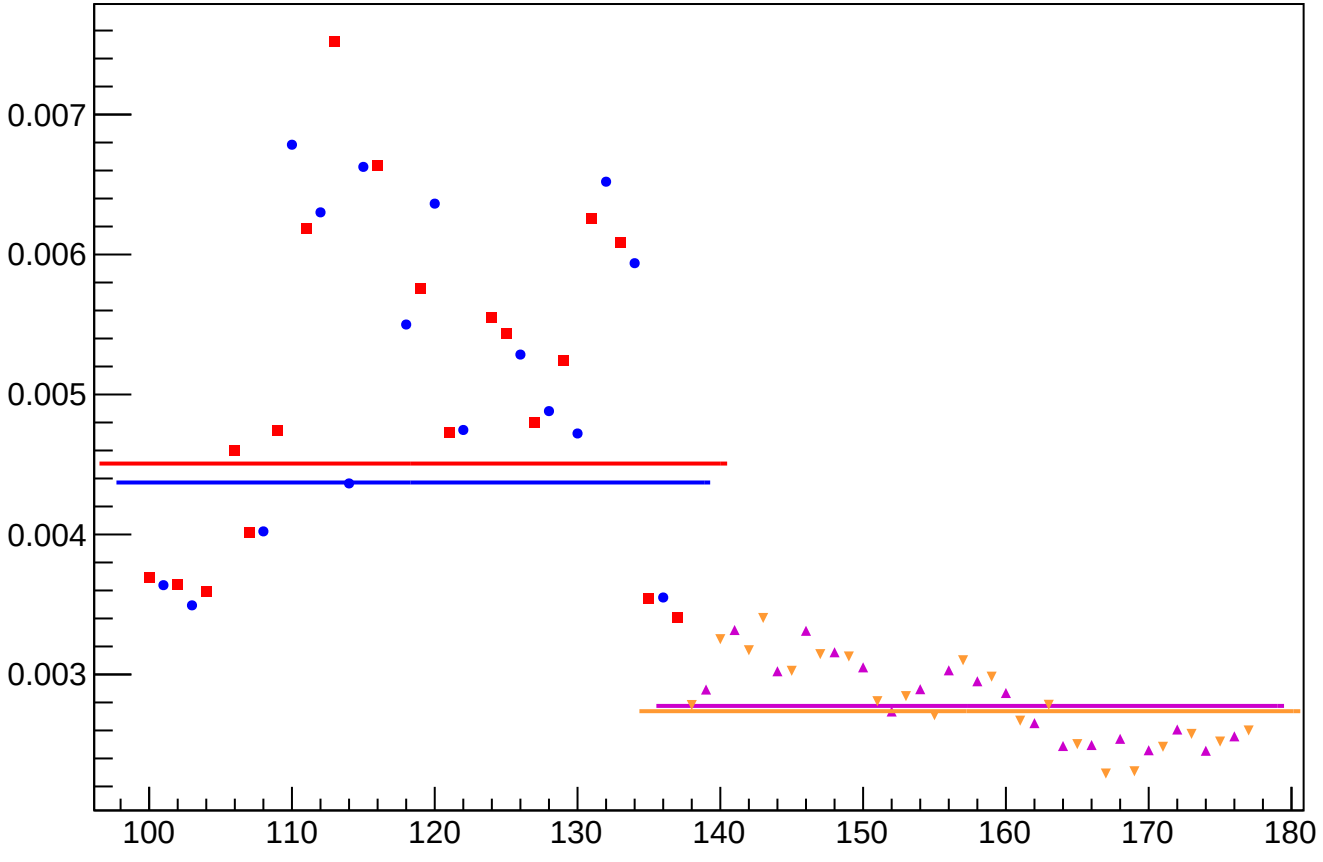
Left In: -0.124+/-0.000 χ^2/NDF:2803903524.2/18

+ sign -0.113+/-0.000 χ^2/NDF: 28212268414.4/36

All: -0.113+/-0.000 χ^2/NDF: 54856446183.0/

- sign -0.112+/-0.000 χ^2/NDF: 26644063539.4/37

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:377056.3/20

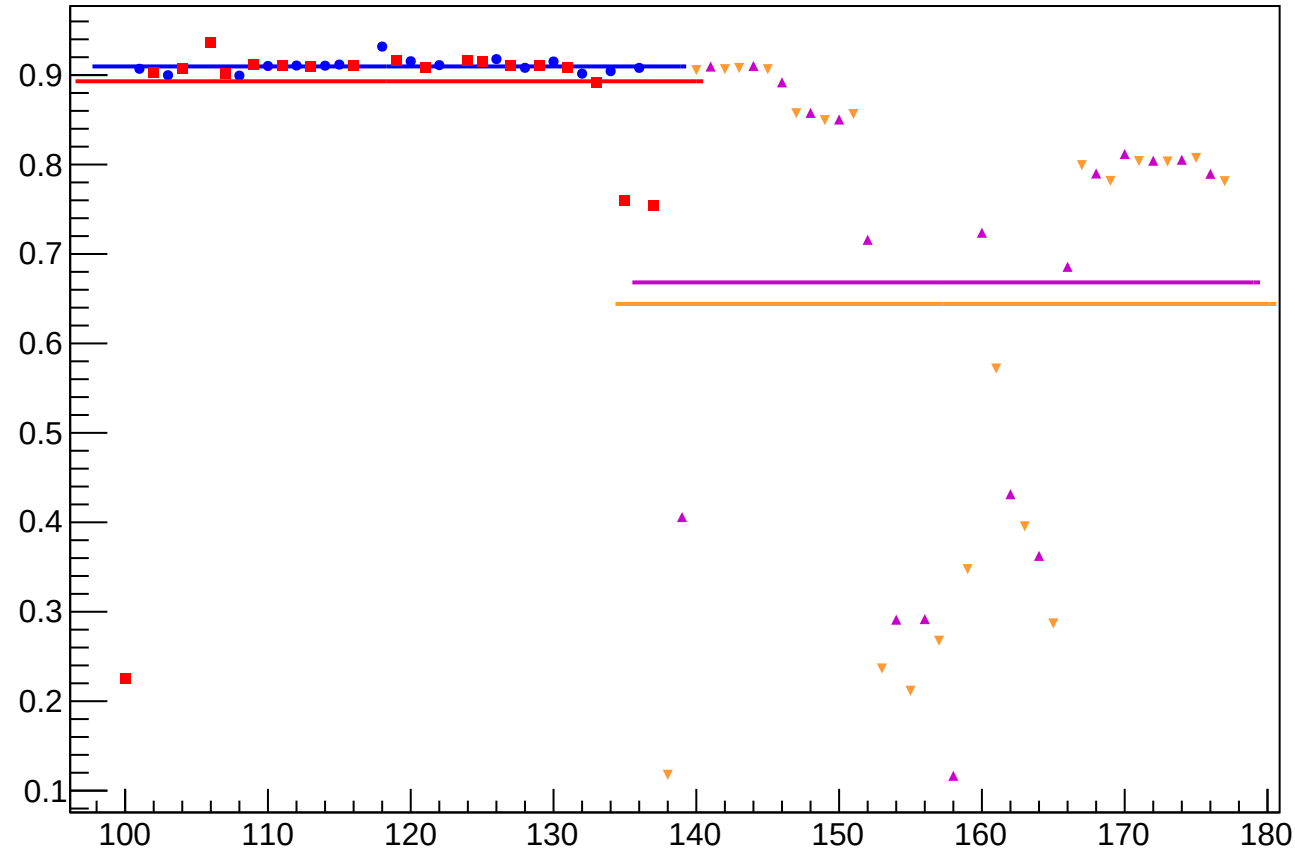
Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:275335.7/18

+ sign 0.003+/-0.000 χ^2/NDF: 2517553.7/36

All: 0.003+/-0.000 χ^2/NDF: 5127490.9/74

- sign 0.003+/-0.000 χ^2/NDF: 2599303.9/37



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.644+/-0.000 χ^2/NDF:8855893961.6/20

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

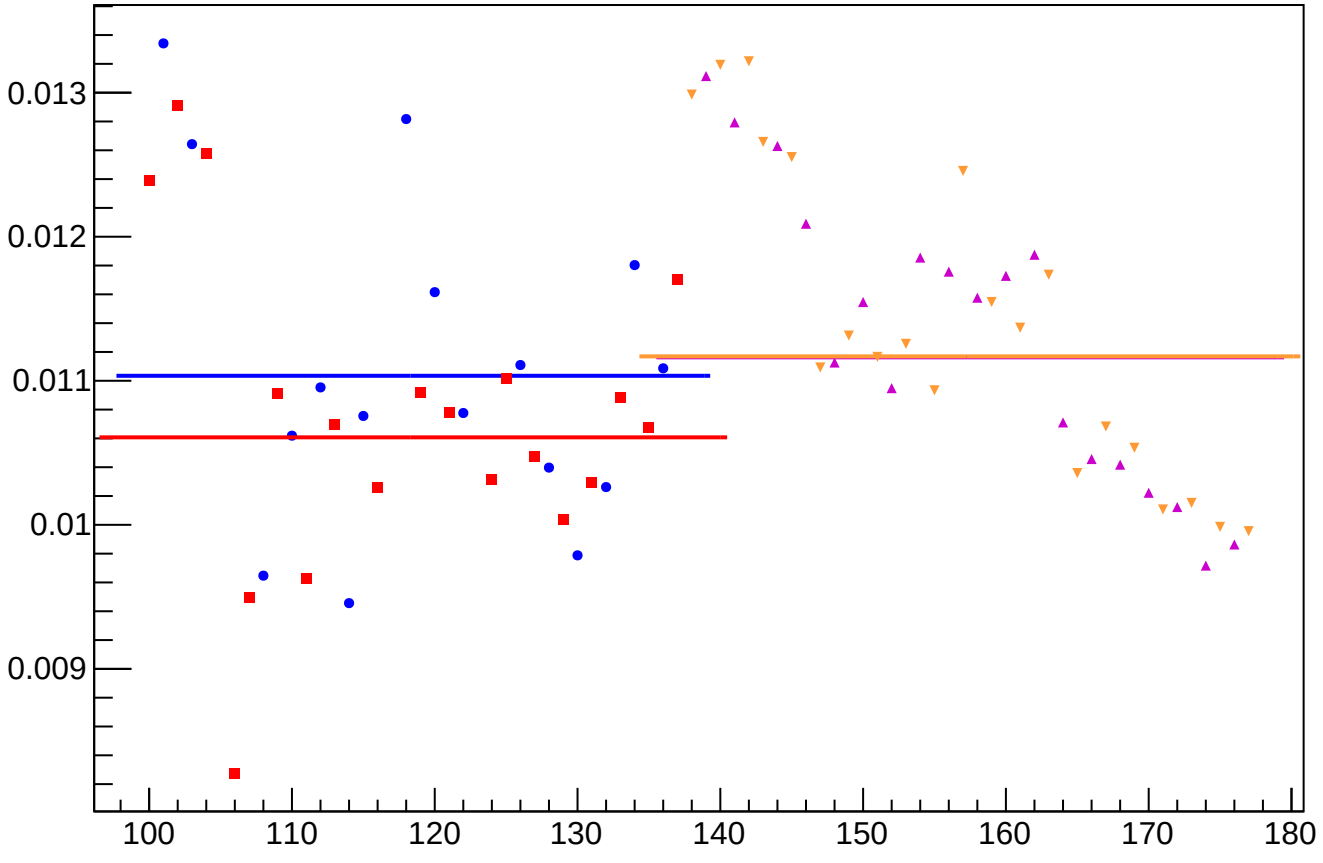
Left In: 0.668+/-0.000 χ^2/NDF:6752735784.3/18

+ sign 0.726+/-0.000 χ^2/NDF: 11611687230.6/36

All: 0.736+/-0.000 χ^2/NDF: 20835939098.5/7

- sign 0.747+/-0.000 χ^2/NDF: 9183089359.5/37

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:242916.8/20

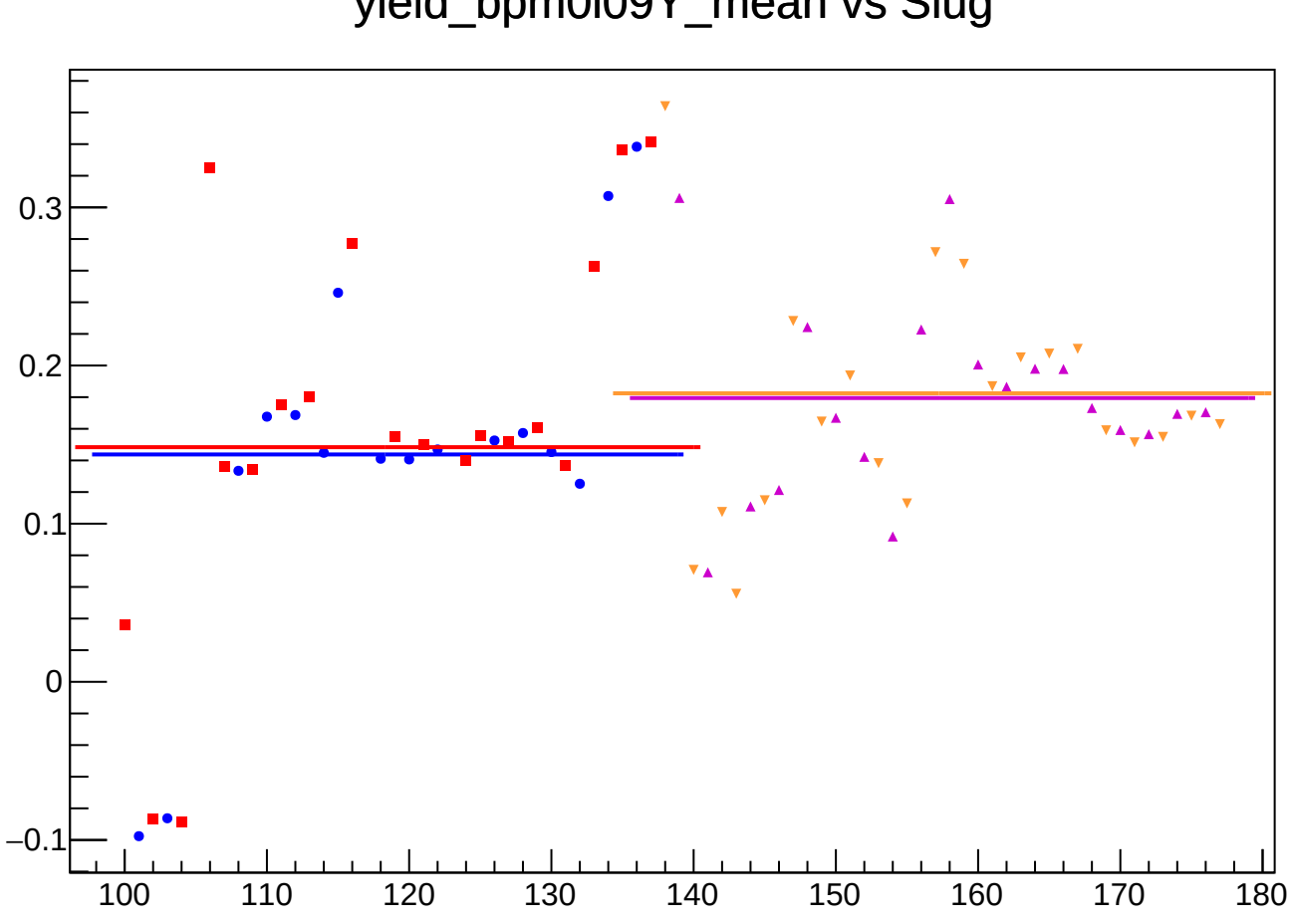
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:225134.6/18

+ sign 0.011+/-0.000 χ^2/NDF: 374687.8/36

All: 0.011+/-0.000 χ^2/NDF: 774105.7/74

- sign 0.011+/-0.000 χ^2/NDF: 394734.1/37



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.182+/-0.000 χ^2/NDF:6373262649.6/20

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

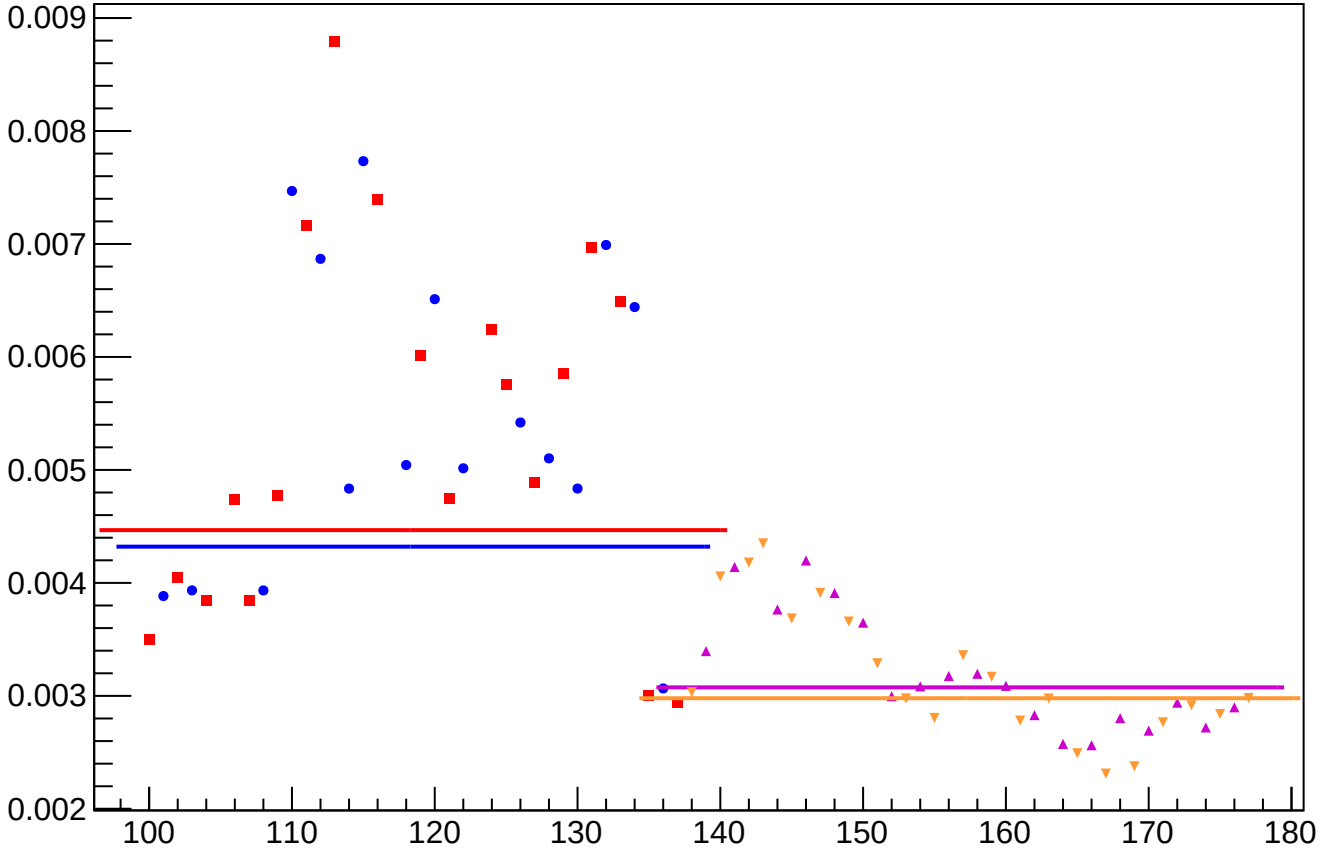
Left In: 0.179+/-0.000 χ^2/NDF:4572032877.2/18

+ sign 0.177+/-0.000 χ^2/NDF: 14629064278.7/36

All: 0.175+/-0.000 χ^2/NDF: 26574251219.9/7

- sign 0.174+/-0.000 χ^2/NDF: 11940408730.0/37

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:843821.7/20

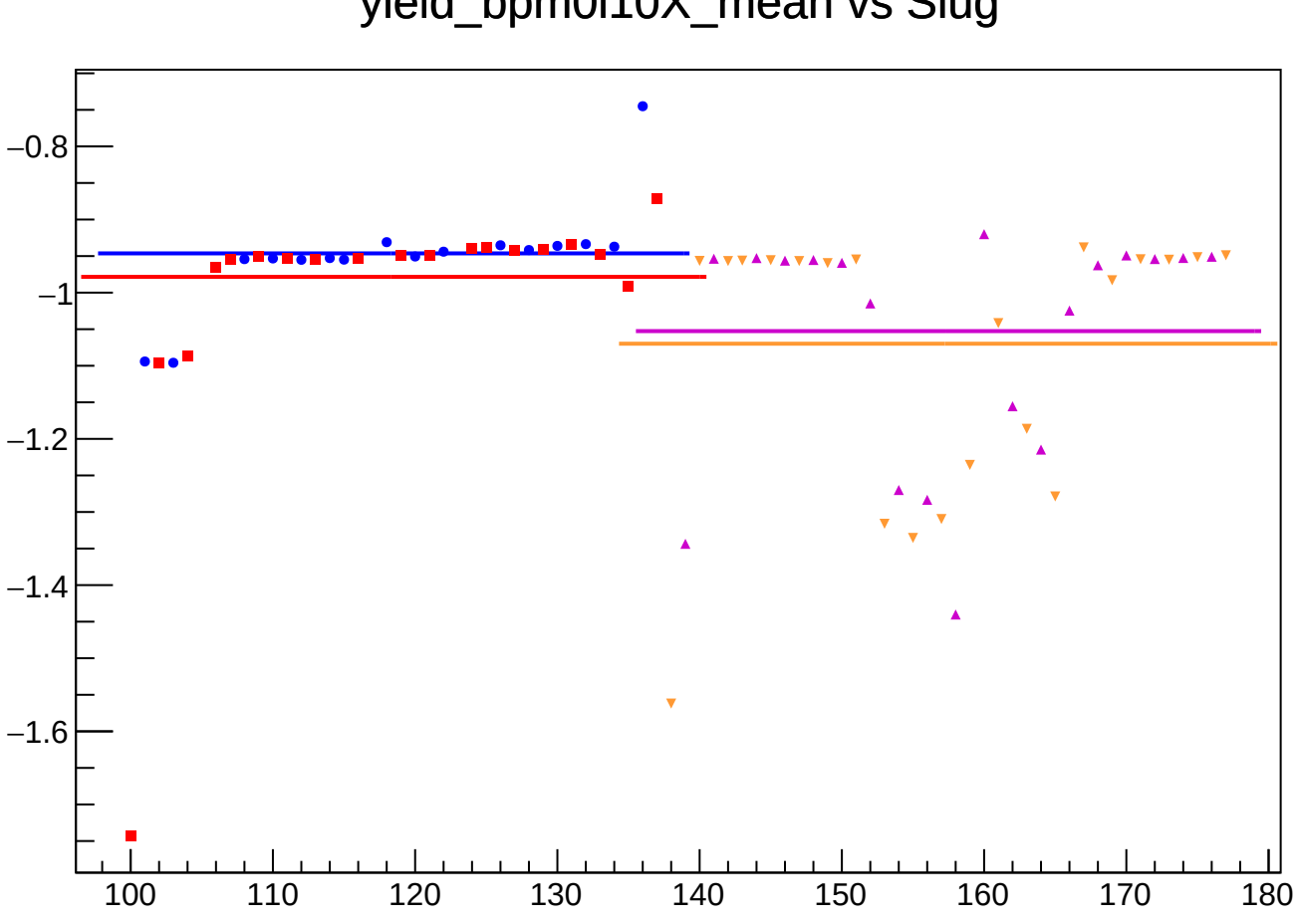
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:573336.0/18

+ sign 0.003+/-0.000 χ^2/NDF: 2658329.7/36

All: 0.003+/-0.000 χ^2/NDF: 5307408.4/74

- sign 0.003+/-0.000 χ^2/NDF: 2620463.7/37



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.070+/-0.000 χ^2/NDF:4726517778.1/20

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

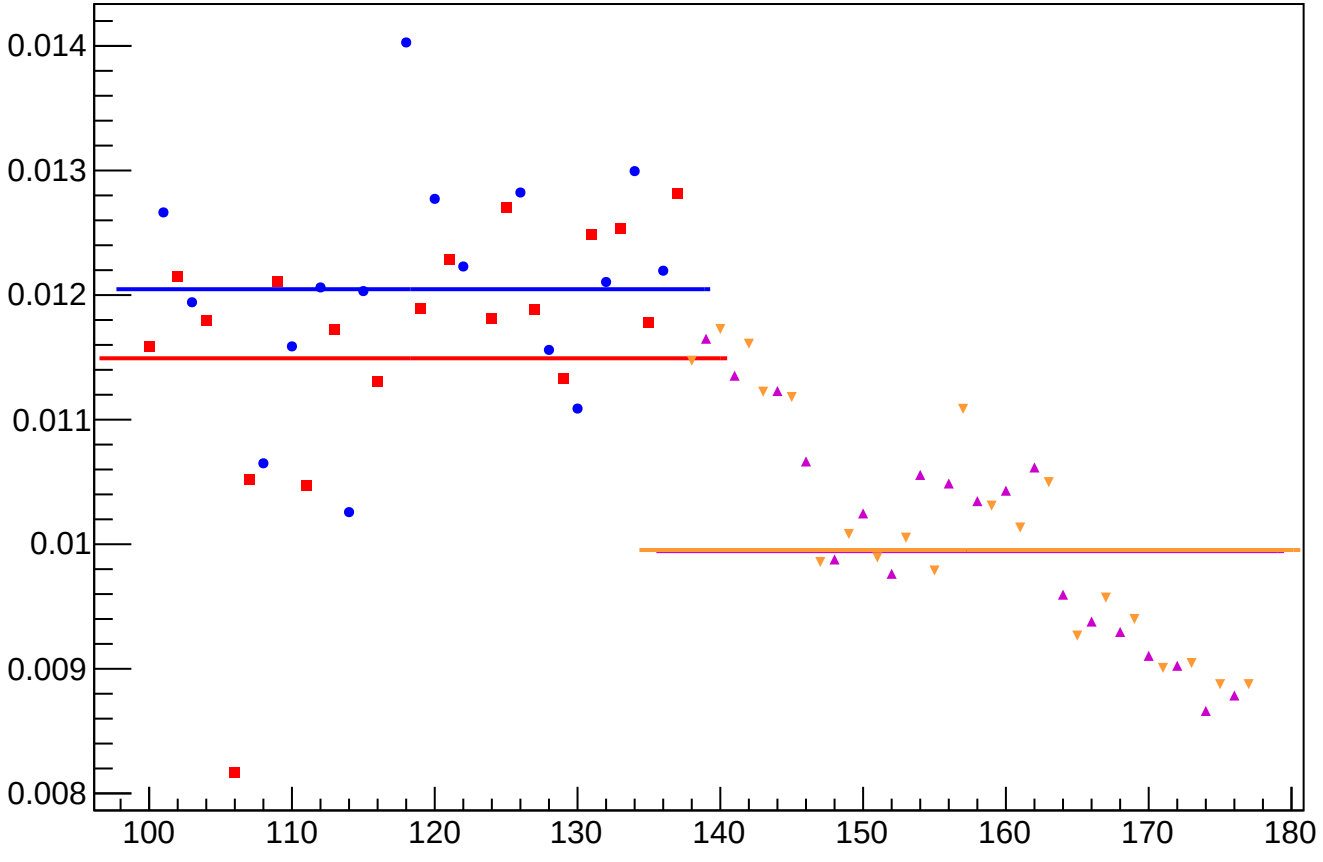
Left In: -1.053+/-0.000 χ^2/NDF:3657794374.9/18

+ sign -1.042+/-0.000 χ^2/NDF: 5688919420.6/36

All: -1.037+/-0.000 χ^2/NDF: 10034776602.6/

- sign -1.033+/-0.000 χ^2/NDF: 4337927166.4/37

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:235395.3/20

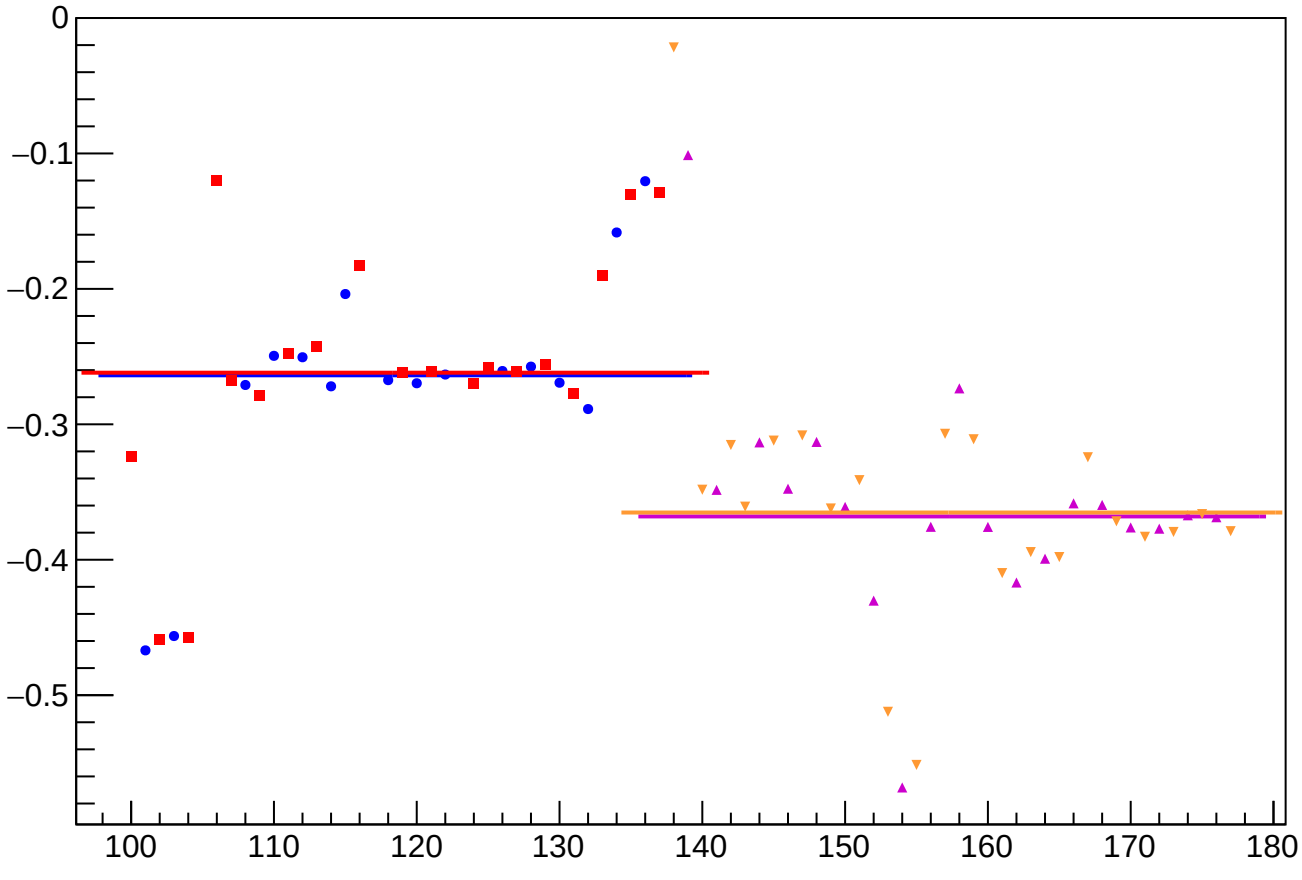
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:218870.9/18

+ sign 0.010+/-0.000 χ^2/NDF: 618361.1/36

All: 0.010+/-0.000 χ^2/NDF: 1180594.6/74

- sign 0.010+/-0.000 χ^2/NDF: 561071.1/37



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.365+/-0.000 χ^2/NDF:11916026130.6/20

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

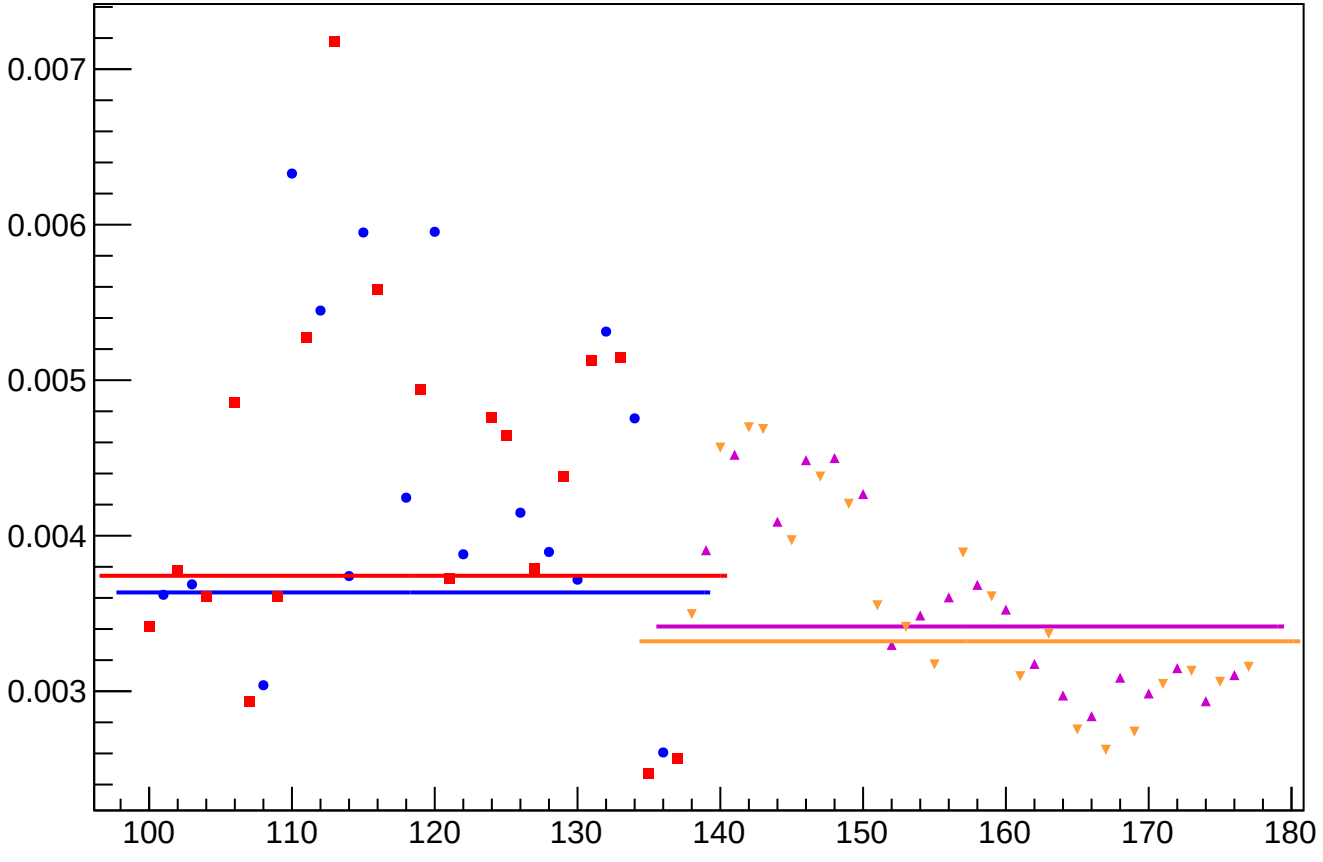
Left In: -0.368+/-0.000 χ^2/NDF:7568237385.6/18

+ sign -0.341+/-0.000 χ^2/NDF: 21418358851.2/36

All: -0.340+/-0.000 χ^2/NDF: 37800451083.6/

- sign -0.340+/-0.000 χ^2/NDF: 16381809353.9/37

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:807700.7/20

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

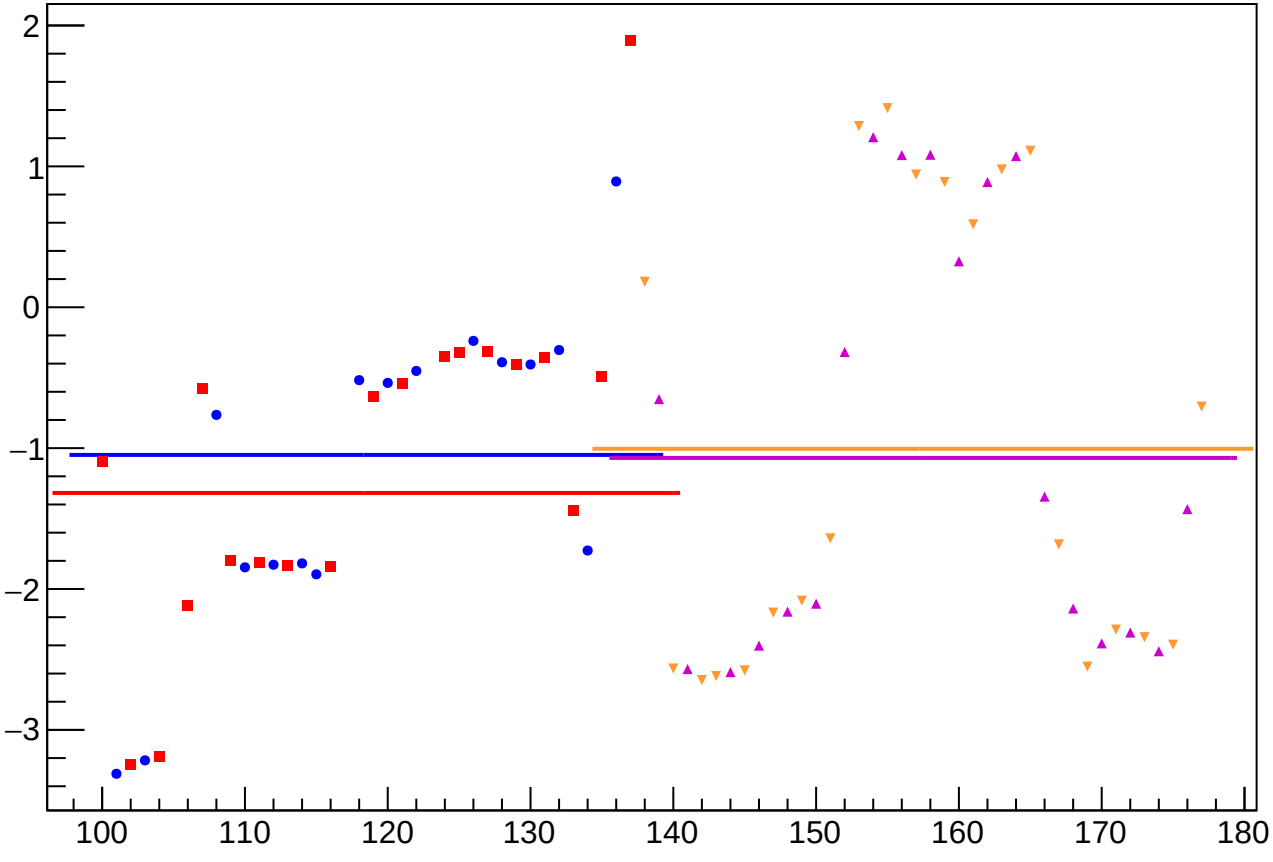
Left In: 0.003+/-0.000 χ^2/NDF:604459.7/18

+ sign 0.003+/-0.000 χ^2/NDF: 1601637.9/36

All: 0.003+/-0.000 χ^2/NDF: 3186578.5/74

- sign 0.004+/-0.000 χ^2/NDF: 1565978.4/37

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.004+/-0.000 χ^2/NDF:7151267583.5/20

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

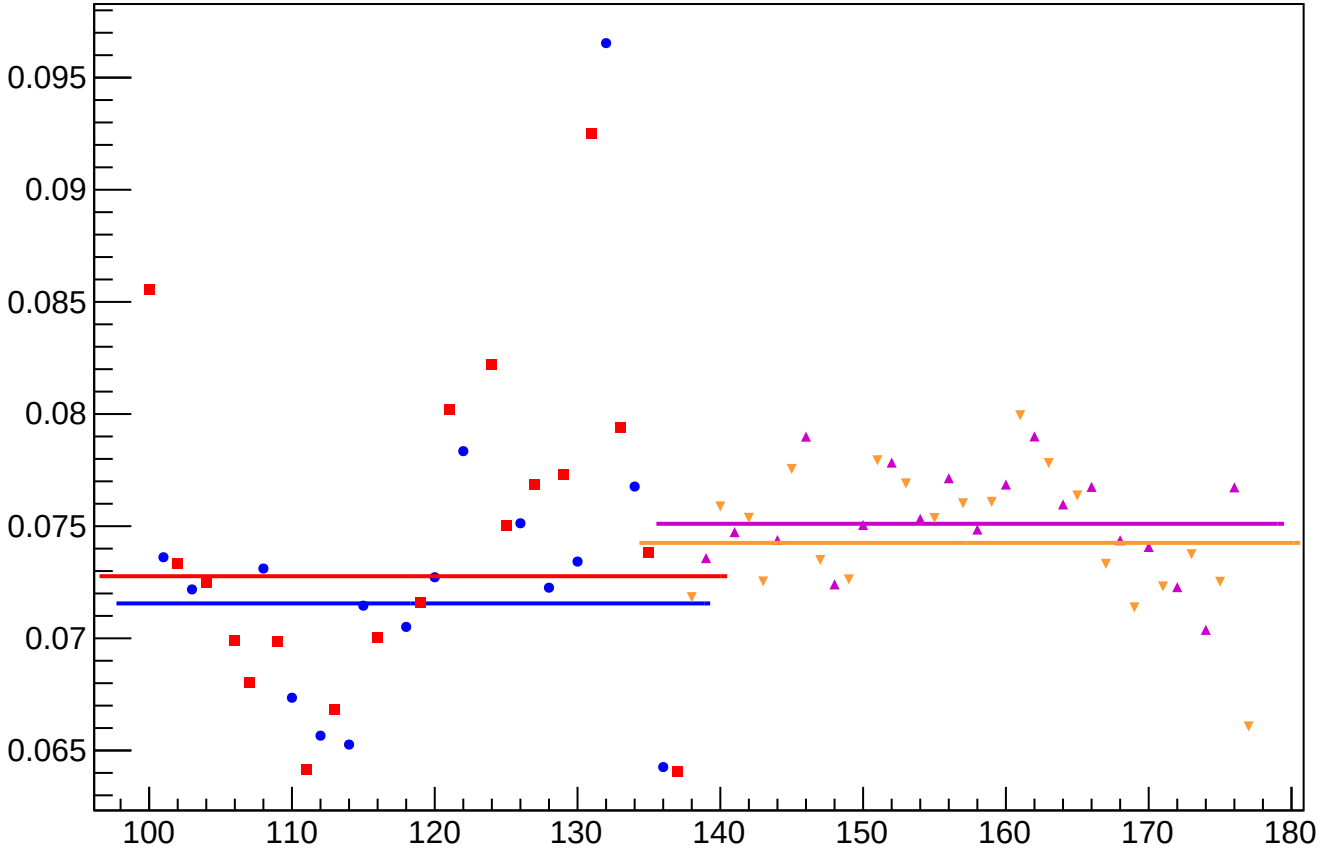
Left In: -1.069+/-0.000 χ^2/NDF:5813825885.2/18

+ sign -1.018+/-0.000 χ^2/NDF: 9500082358.5/36

All: -1.083+/-0.000 χ^2/NDF: 17256452343.0/

- sign -1.153+/-0.000 χ^2/NDF: 7718019152.8/37

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF:57706.9/20

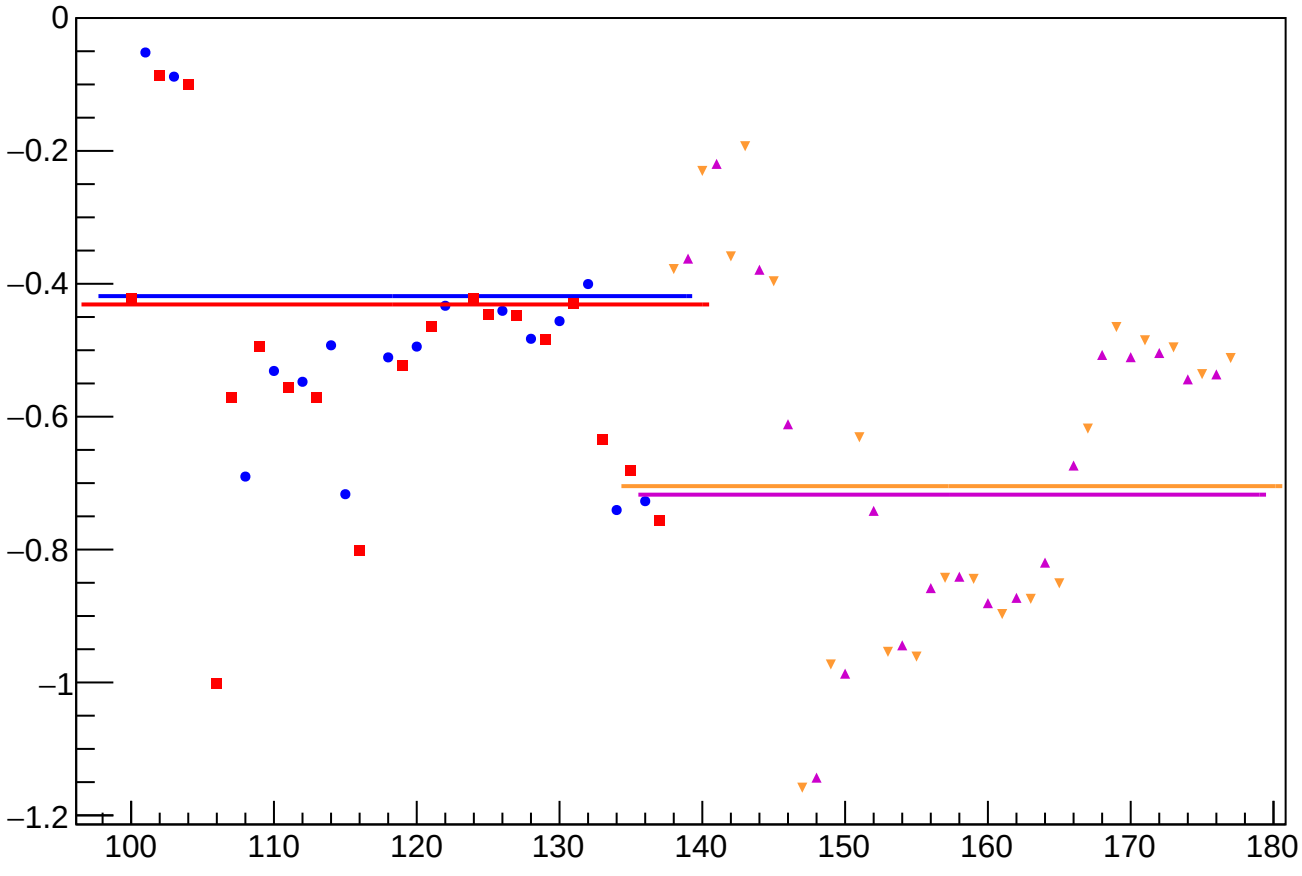
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:26987.5/18

+ sign 0.073+/-0.000 χ^2/NDF: 172610.9/36

All: 0.074+/-0.000 χ^2/NDF: 309938.9/74

- sign 0.074+/-0.000 χ^2/NDF: 133806.6/37



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.705+/-0.000 χ^2/NDF:20082155502.0/20

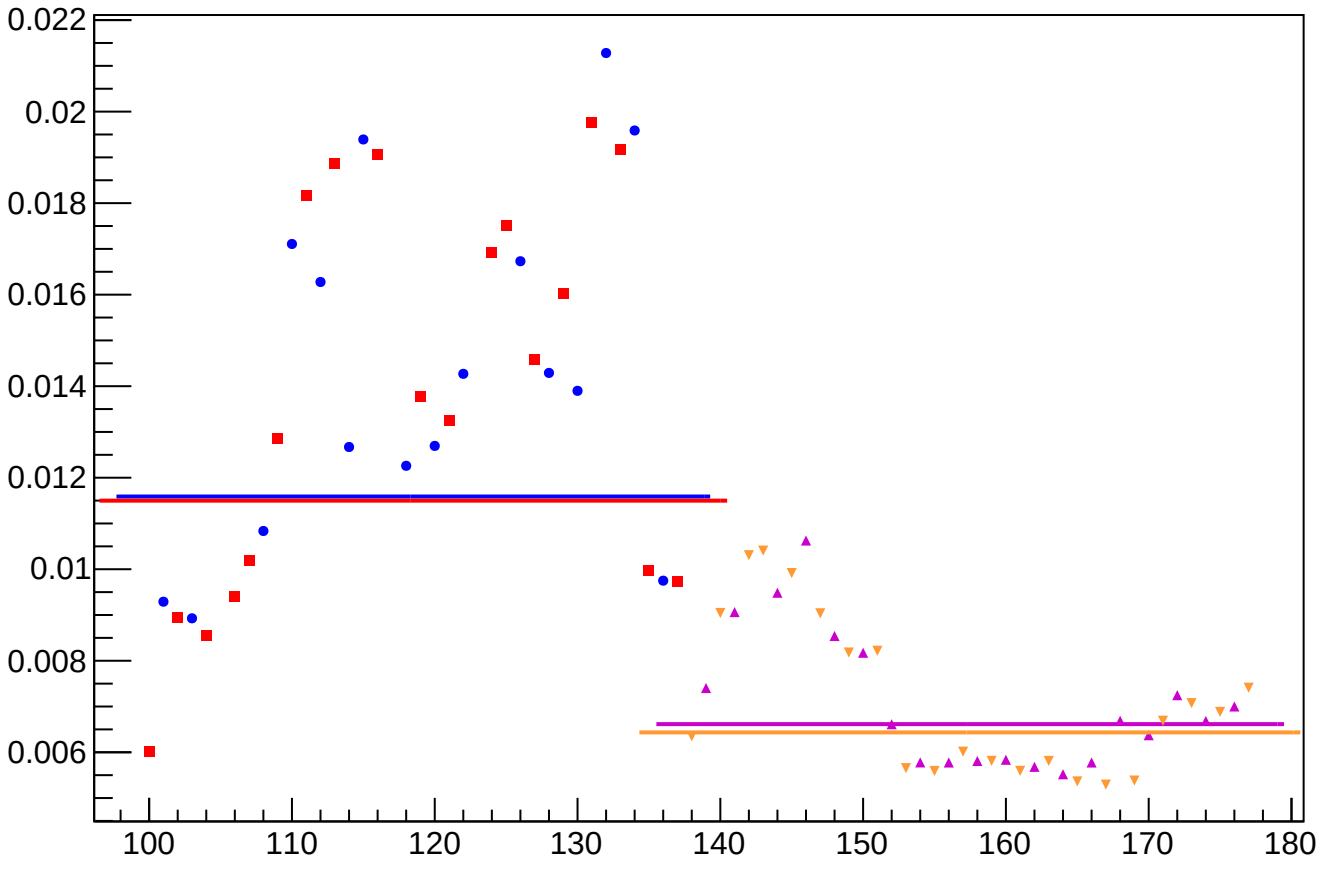
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.717+/-0.000 χ^2/NDF:15010325712.9/18

+ sign -0.674+/-0.000 χ^2/NDF: 26391236280.0/36

All: -0.678+/-0.000 χ^2/NDF: 47876542323.7/

- sign -0.682+/-0.000 χ^2/NDF: 21471218680.4/37



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1268882.8/20

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

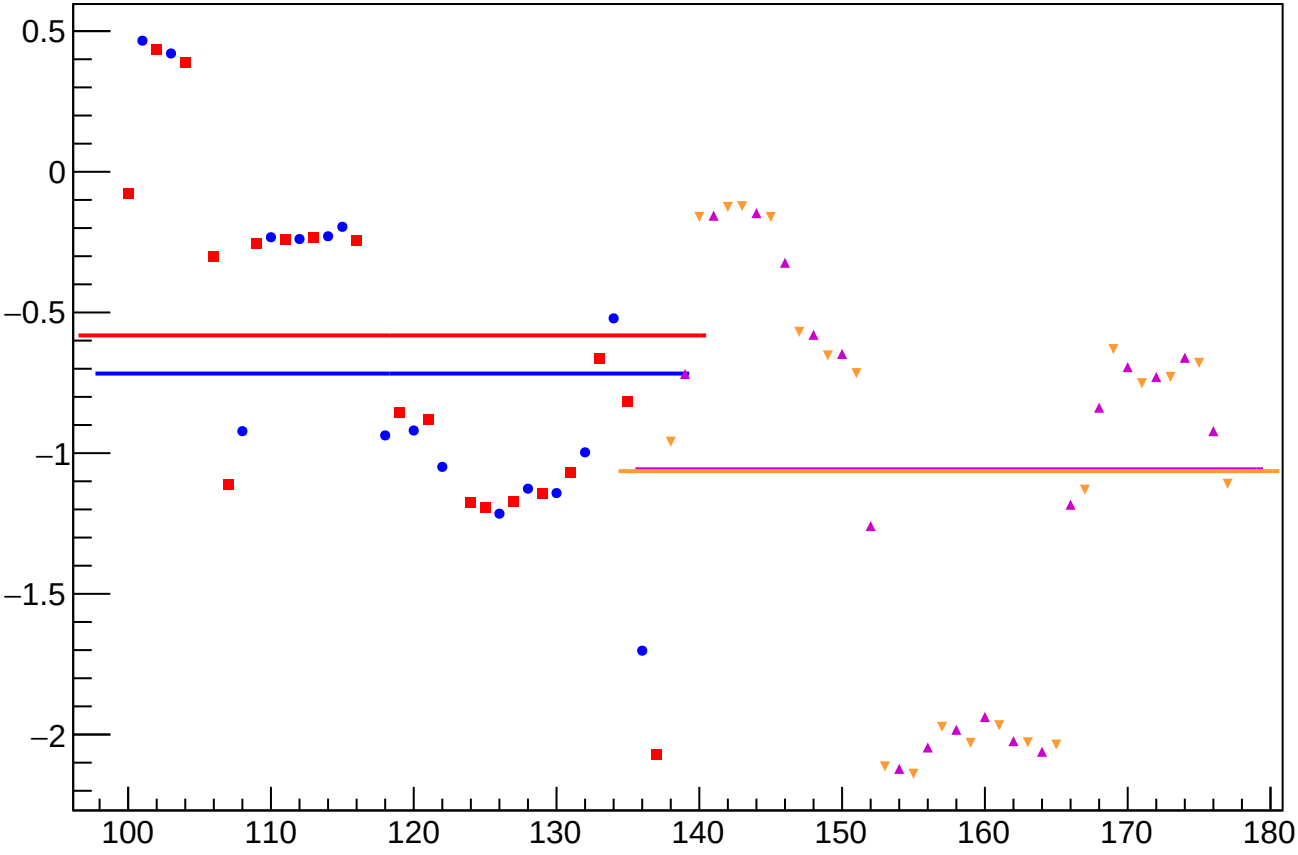
Left In: 0.007+/-0.000 χ^2/NDF:893860.7/18

\+ sign 0.007+/-0.000 χ^2/NDF: 4158368.7/36

All: 0.007+/-0.000 χ^2/NDF: 8136429.1/74

\- sign 0.007+/-0.000 χ^2/NDF: 3958486.6/37

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.064+/-0.000 χ^2/NDF:1147977822.3/20

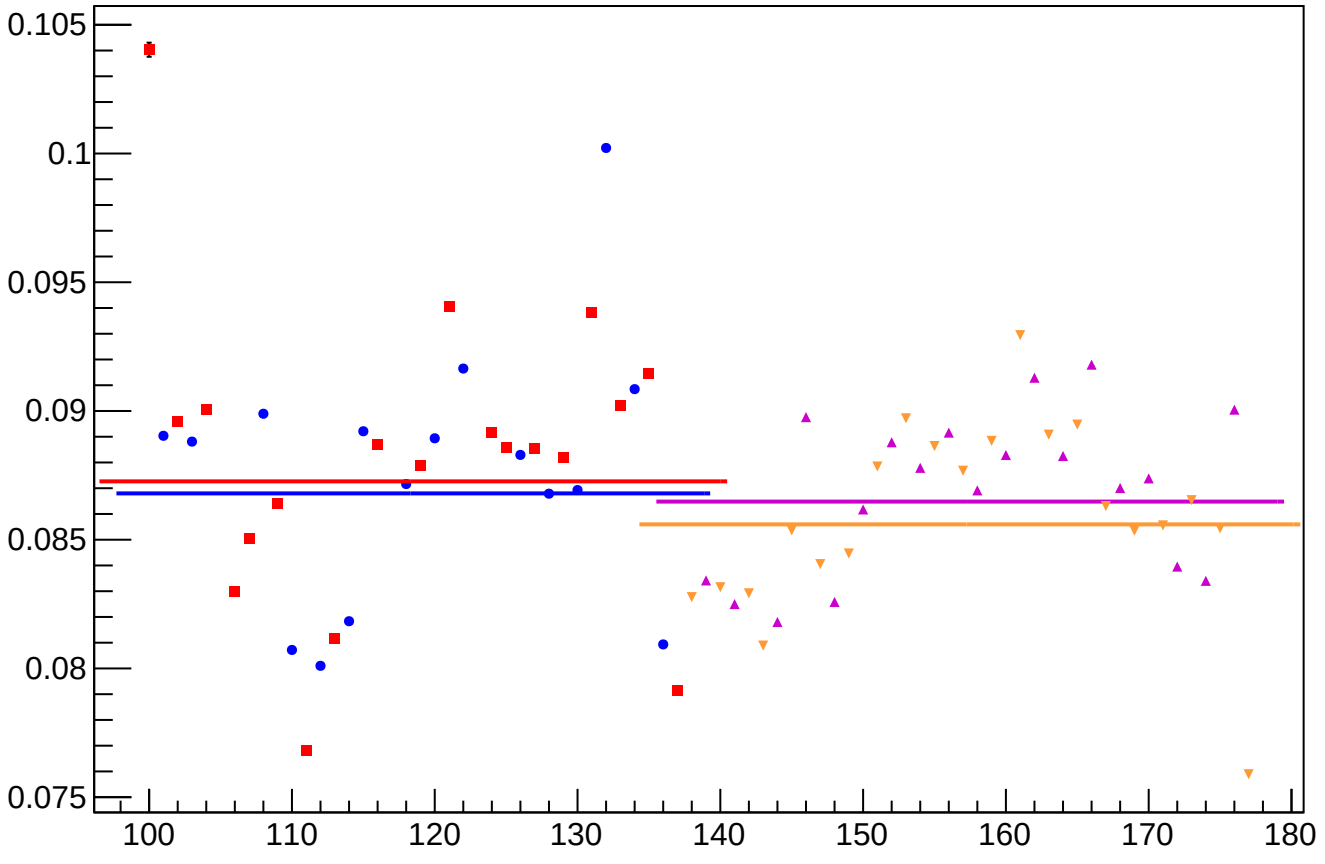
Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.057+/-0.000 χ^2/NDF:972911997.4/18

+ sign -0.961+/-0.000 χ^2/NDF: 1666001552.2/36

All: -0.934+/-0.000 χ^2/NDF: 3136159291.4/7

- sign -0.904+/-0.000 χ^2/NDF: 1465112692.2/37



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:61873.5/20

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

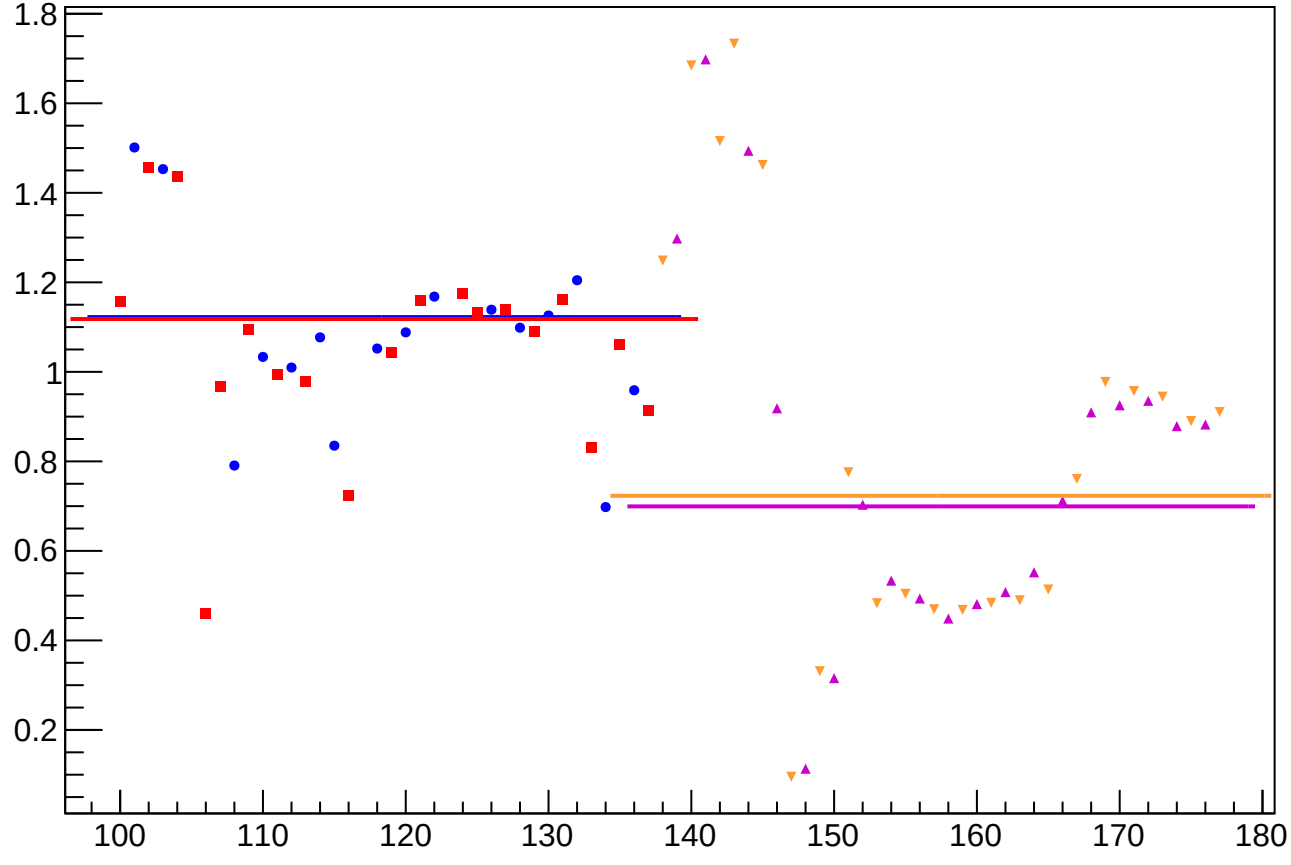
Left In: 0.086+/-0.000 χ^2/NDF:36808.2/18

+ sign 0.086+/-0.000 χ^2/NDF: 107387.4/36

All: 0.086+/-0.000 χ^2/NDF: 193082.8/74

- sign 0.087+/-0.000 χ^2/NDF: 83790.2/37

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.723+/-0.000 χ^2/NDF:31590914489.7/20

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

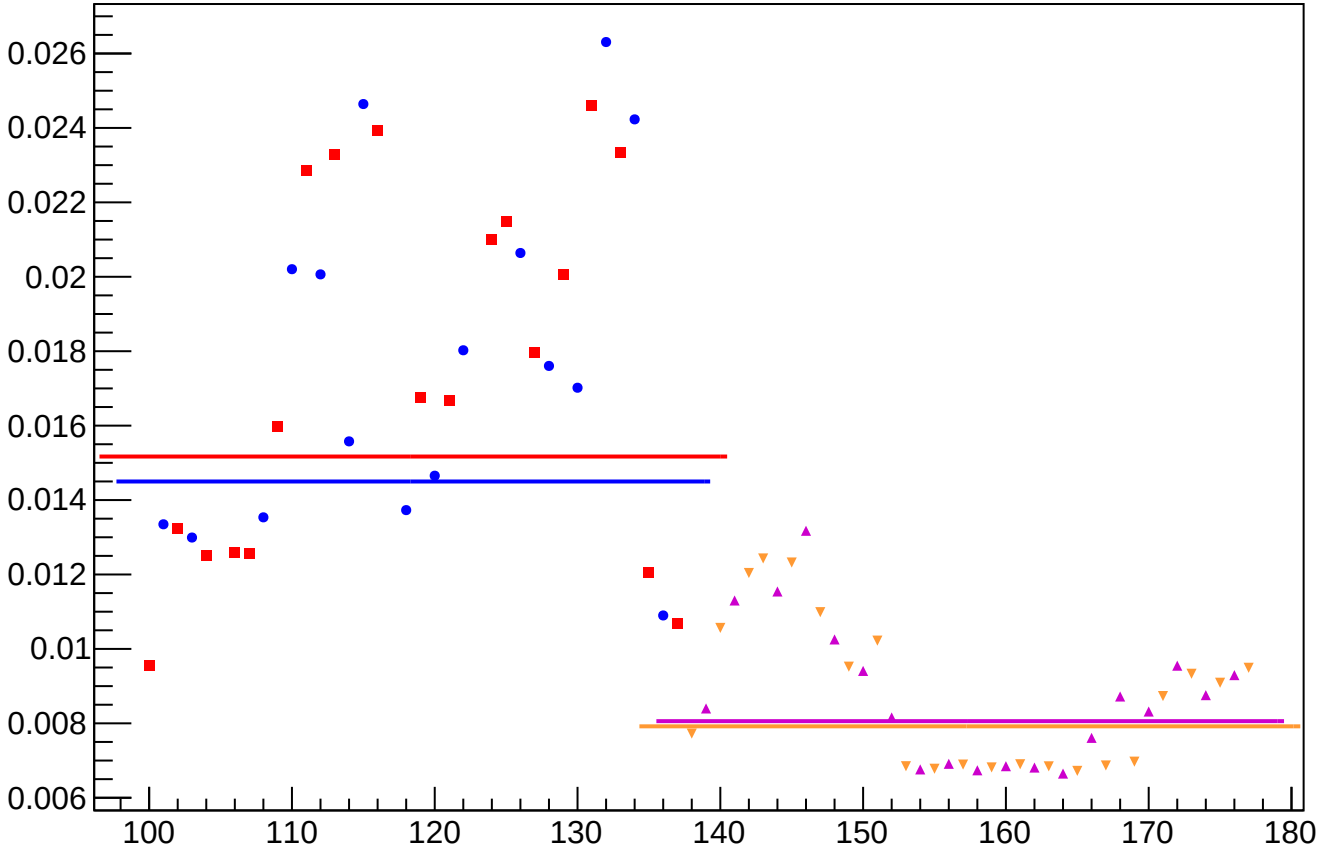
Left In: 0.699+/-0.000 χ^2/NDF:24508800315.5/18

+ sign 0.765+/-0.000 χ^2/NDF: 37101673246.0/36

All: 0.755+/-0.000 χ^2/NDF: 67394920144.2/7

- sign 0.745+/-0.000 χ^2/NDF: 30242706172.6/37

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:1267641.9/20

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

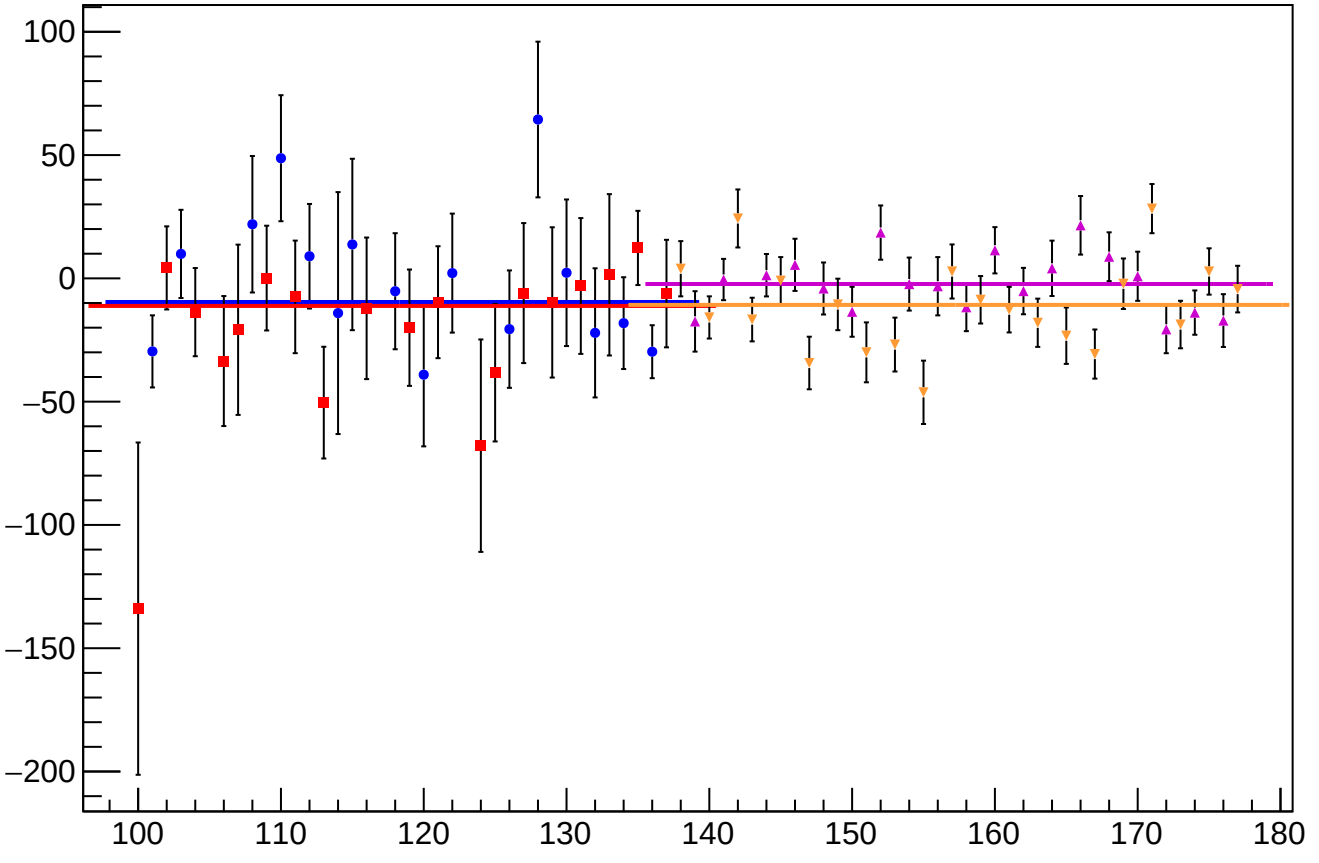
Left In: 0.008+/-0.000 χ^2/NDF:1030988.6/18

+ sign 0.009+/-0.000 χ^2/NDF: 4180615.0/36

All: 0.009+/-0.000 χ^2/NDF: 8492179.5/74

- sign 0.009+/-0.000 χ^2/NDF: 4298376.7/37

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -10.757+/-2.217 χ^2/NDF:56.2/20

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

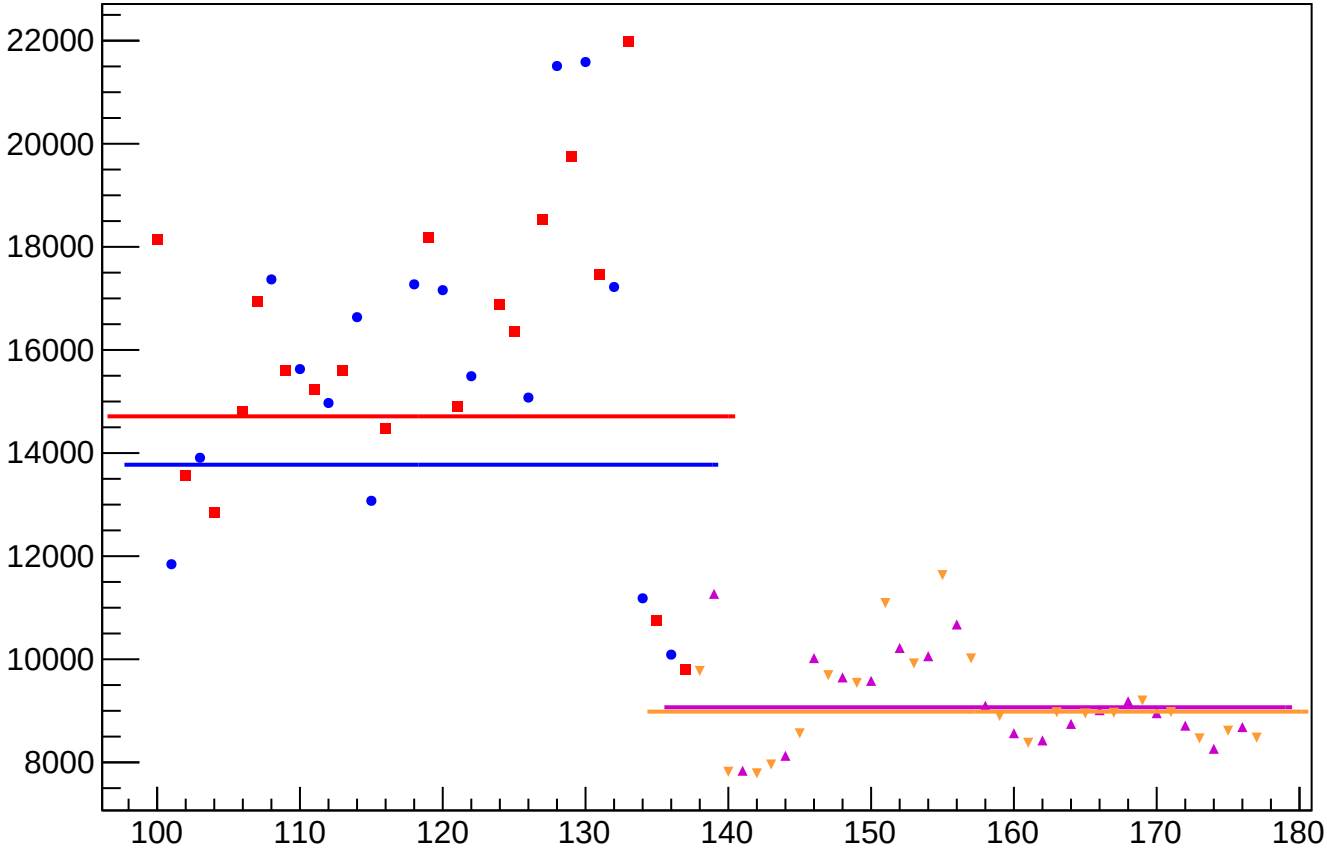
Left In: -2.290+/-2.315 χ^2/NDF:23.2/18

+ sign -10.581+/-2.044 χ^2/NDF: 78.2/36

All: -7.254+/-1.476 χ^2/NDF: 123.0/74

- sign -3.629+/-2.134 χ^2/NDF: 39.3/37

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8984.383+/-1.567 χ^2/NDF:314670.0/20

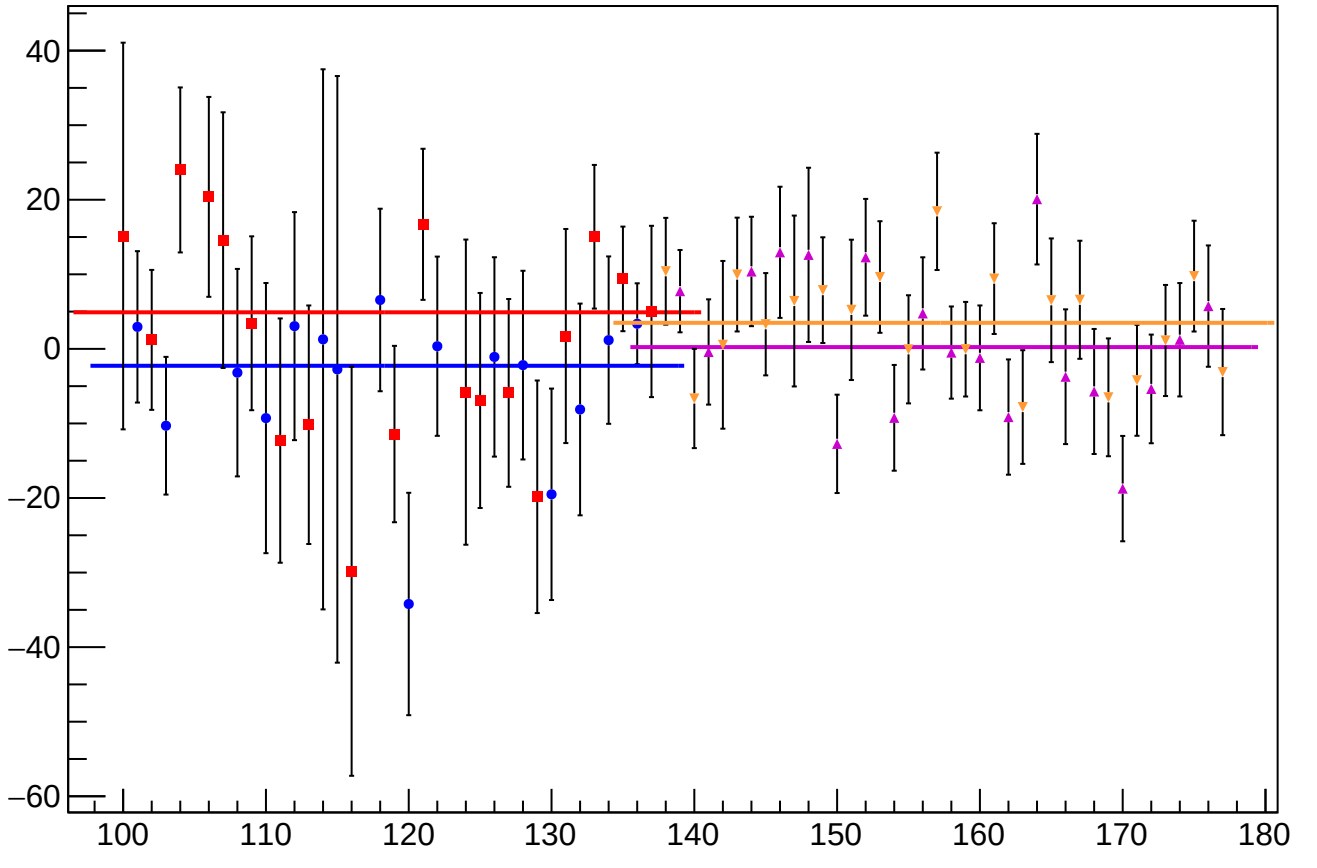
Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9069.069+/-1.637 χ^2/NDF:273531.0/18

+ sign 9699.561+/-1.446 χ^2/NDF: 2456543.2/36

All: 9804.717+/-1.044 χ^2/NDF: 5088523.7/74

- sign 9919.258+/-1.509 χ^2/NDF: 2620925.9/37



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.494+/-1.678 χ^2/NDF:16.6/20

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

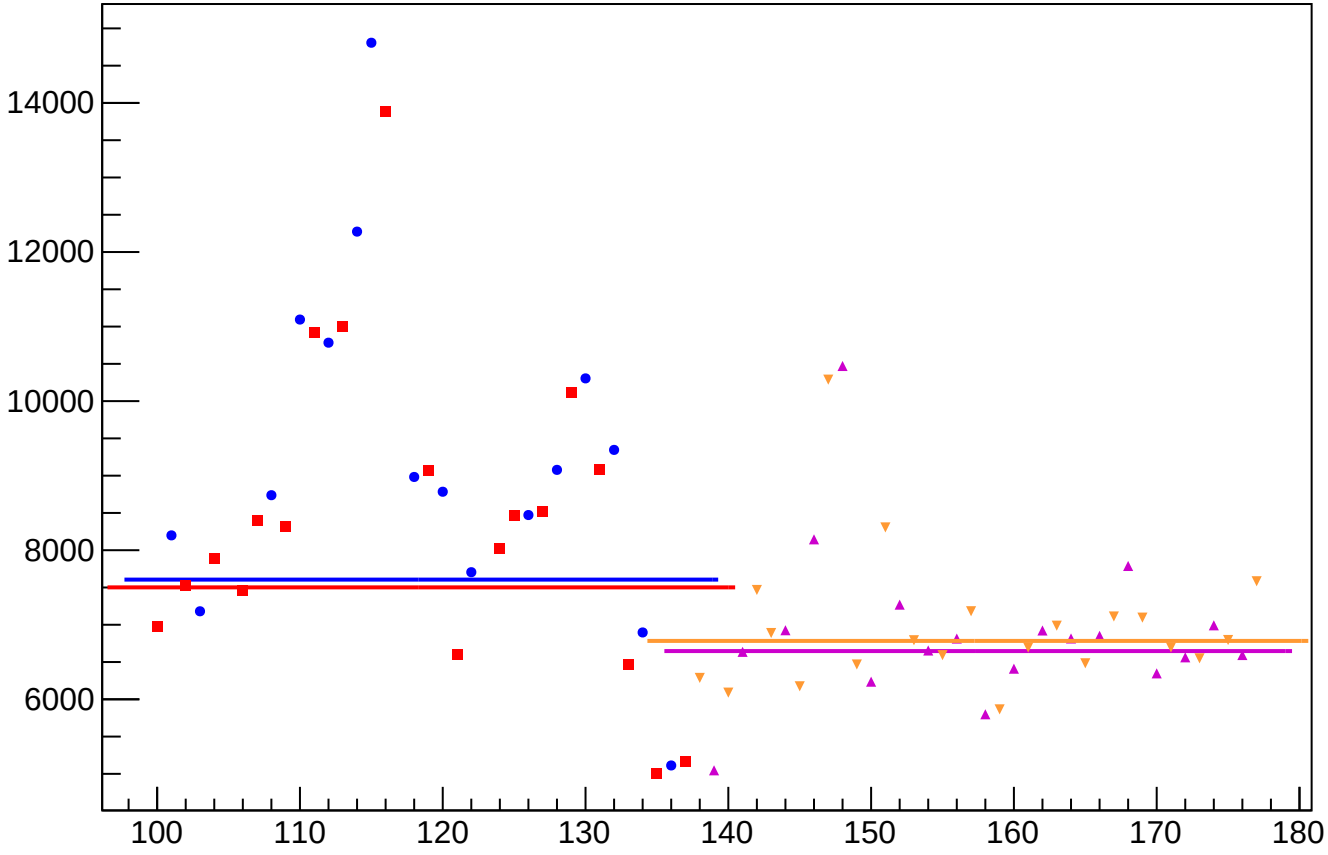
Left In: 0.239+/-1.709 χ^2/NDF:31.0/18

+ sign 2.065+/-1.455 χ^2/NDF: 28.8/36

All: 1.775+/-1.032 χ^2/NDF: 79.4/74

- sign 1.482+/-1.464 χ^2/NDF: 50.6/37

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6783.312+/-1.187 χ^2/NDF:377795.2/20

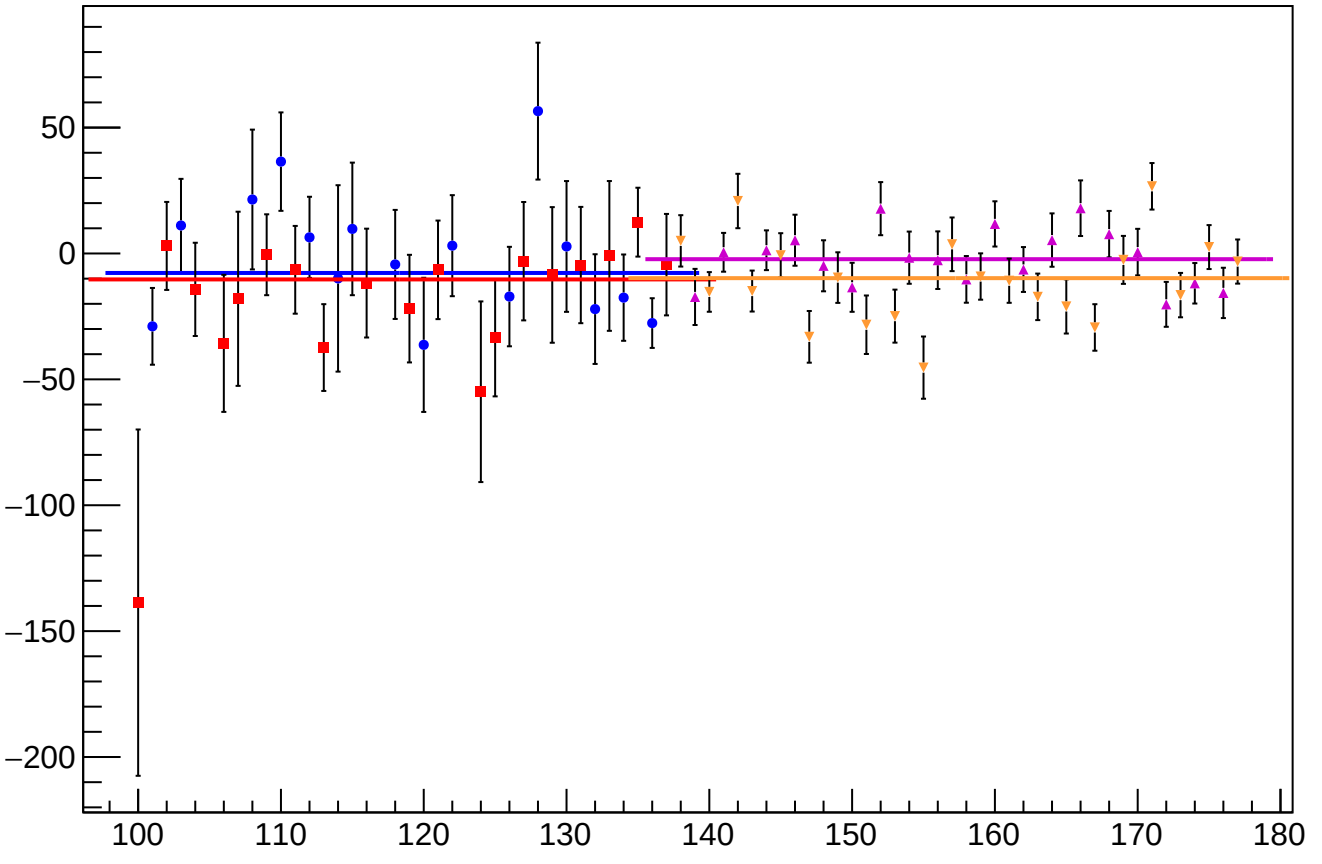
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6647.025+/-1.208 χ^2/NDF:553966.9/18

+ sign 6987.268+/-1.029 χ^2/NDF: 1388420.9/36

All: 6931.276+/-0.730 χ^2/NDF: 2905112.8/74

- sign 6874.632+/-1.035 χ^2/NDF: 1510735.3/37



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -9.803+/-2.075 χ^2/NDF:57.3/20

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

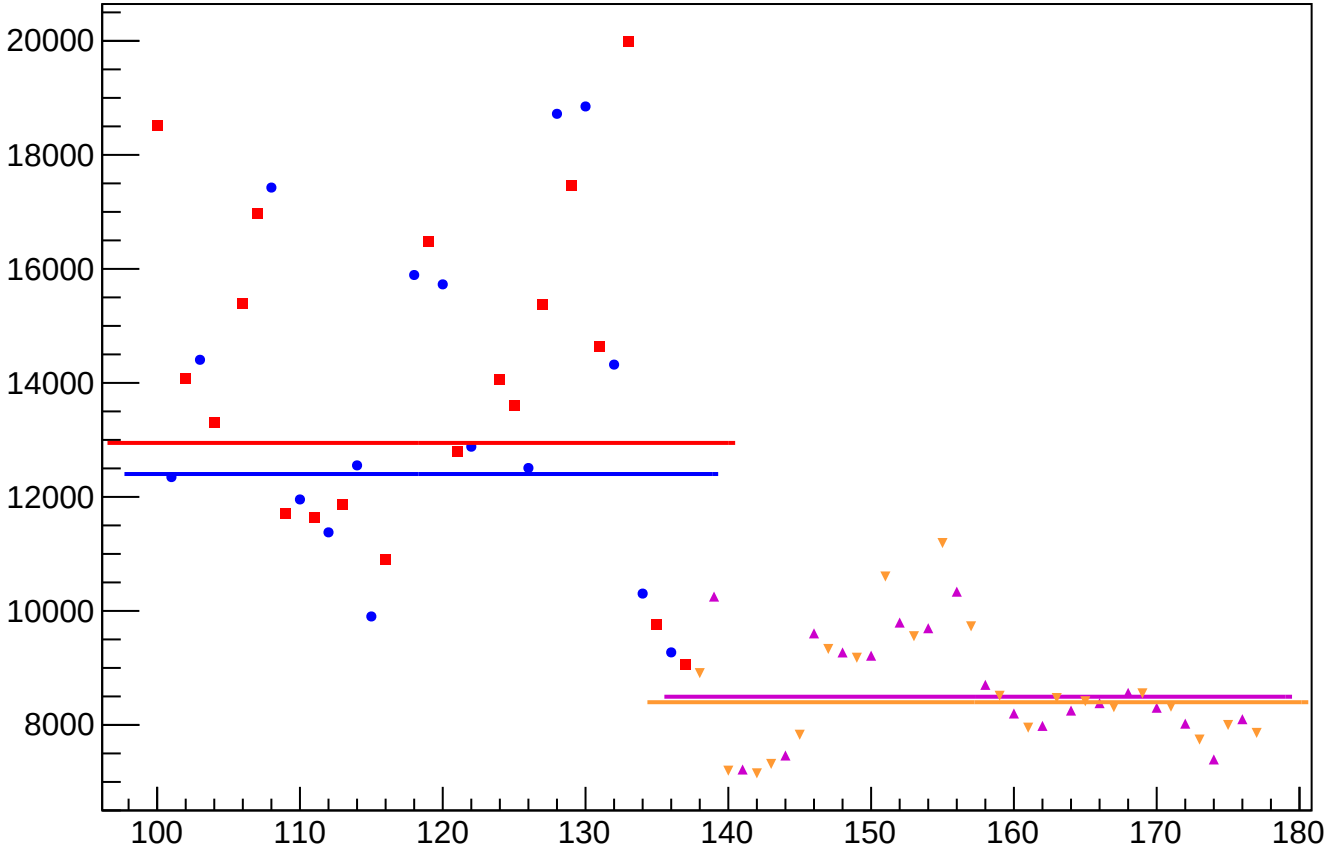
Left In: -2.270+/-2.171 χ^2/NDF:23.5/18

\+ sign -9.472+/-1.902 χ^2/NDF: 80.1/36

All: -6.664+/-1.372 χ^2/NDF: 124.3/74

\- sign -3.617+/-1.981 χ^2/NDF: 39.7/37

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8398.569+/-1.467 χ^2/NDF:409477.7/20

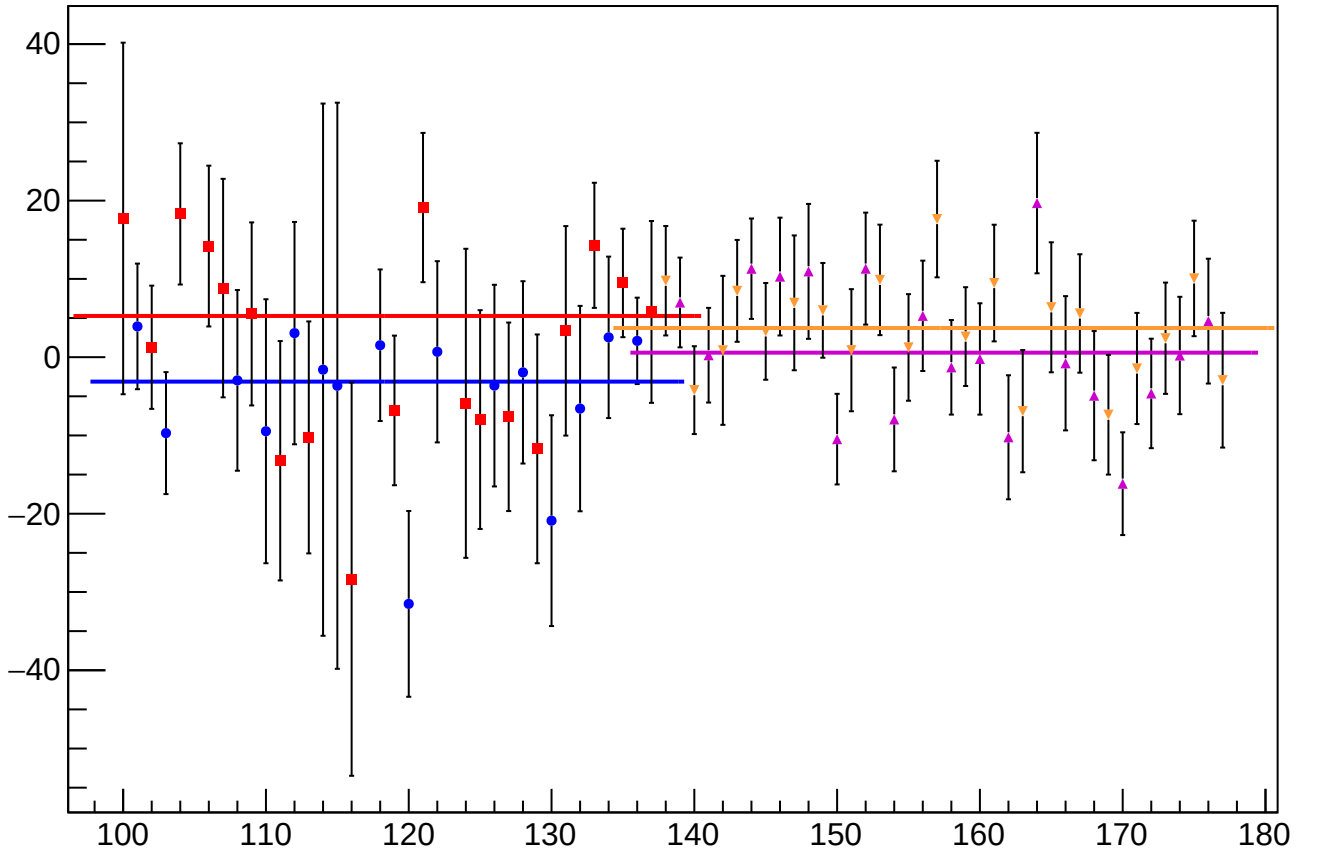
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8494.885+/-1.535 χ^2/NDF:352725.4/18

+ sign 9040.652+/-1.345 χ^2/NDF: 2281418.7/36

All: 9136.695+/-0.970 χ^2/NDF: 4609025.3/74

- sign 9240.940+/-1.401 χ^2/NDF: 2316967.1/37



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.728+/-1.562 χ^2/NDF:14.8/20

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

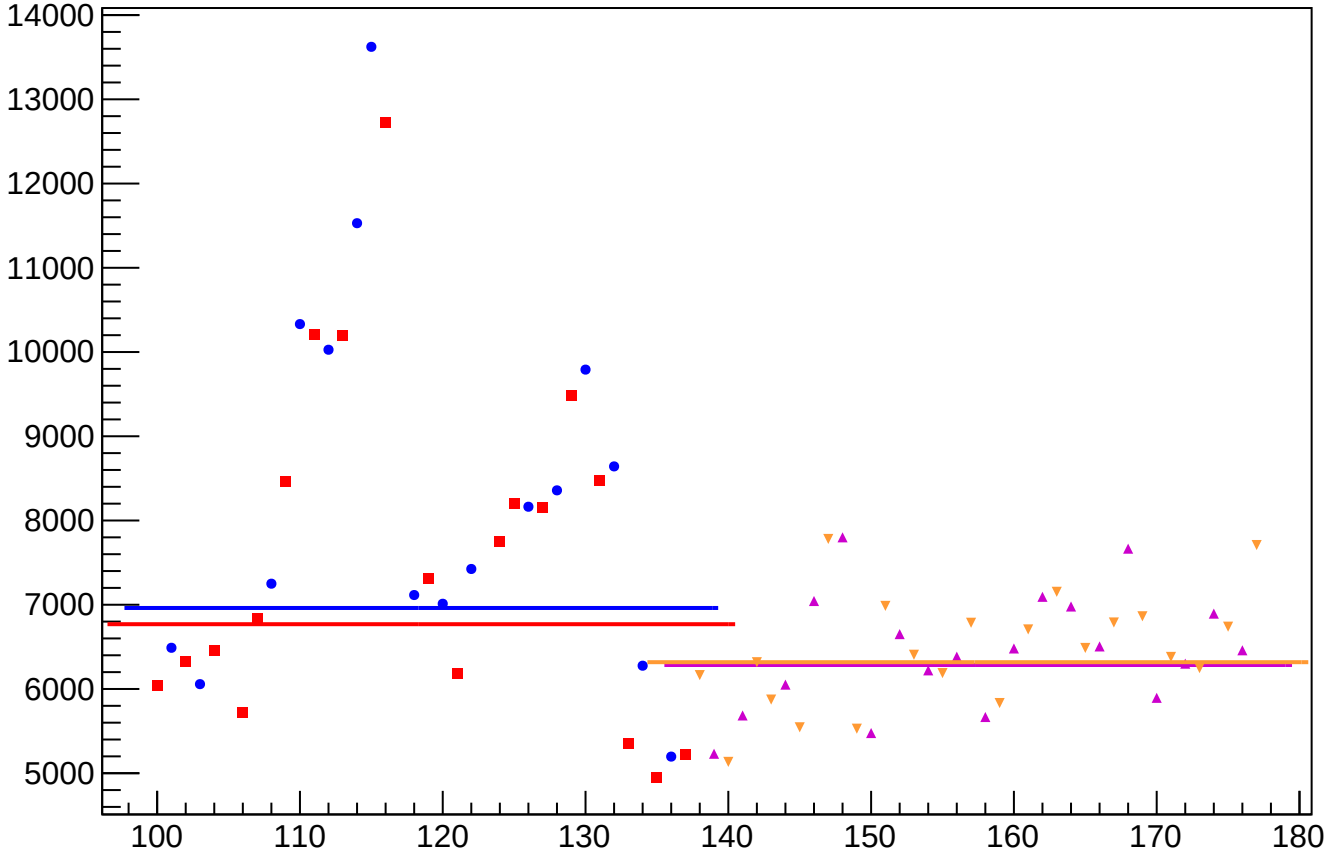
Left In: 0.577+/-1.609 χ^2/NDF:29.5/18

+ sign 1.968+/-1.346 χ^2/NDF: 30.6/36

All: 1.939+/-0.957 χ^2/NDF: 79.4/74

- sign 1.909+/-1.361 χ^2/NDF: 48.8/37

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6318.090+/-1.104 χ^2/NDF:363866.8/20

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

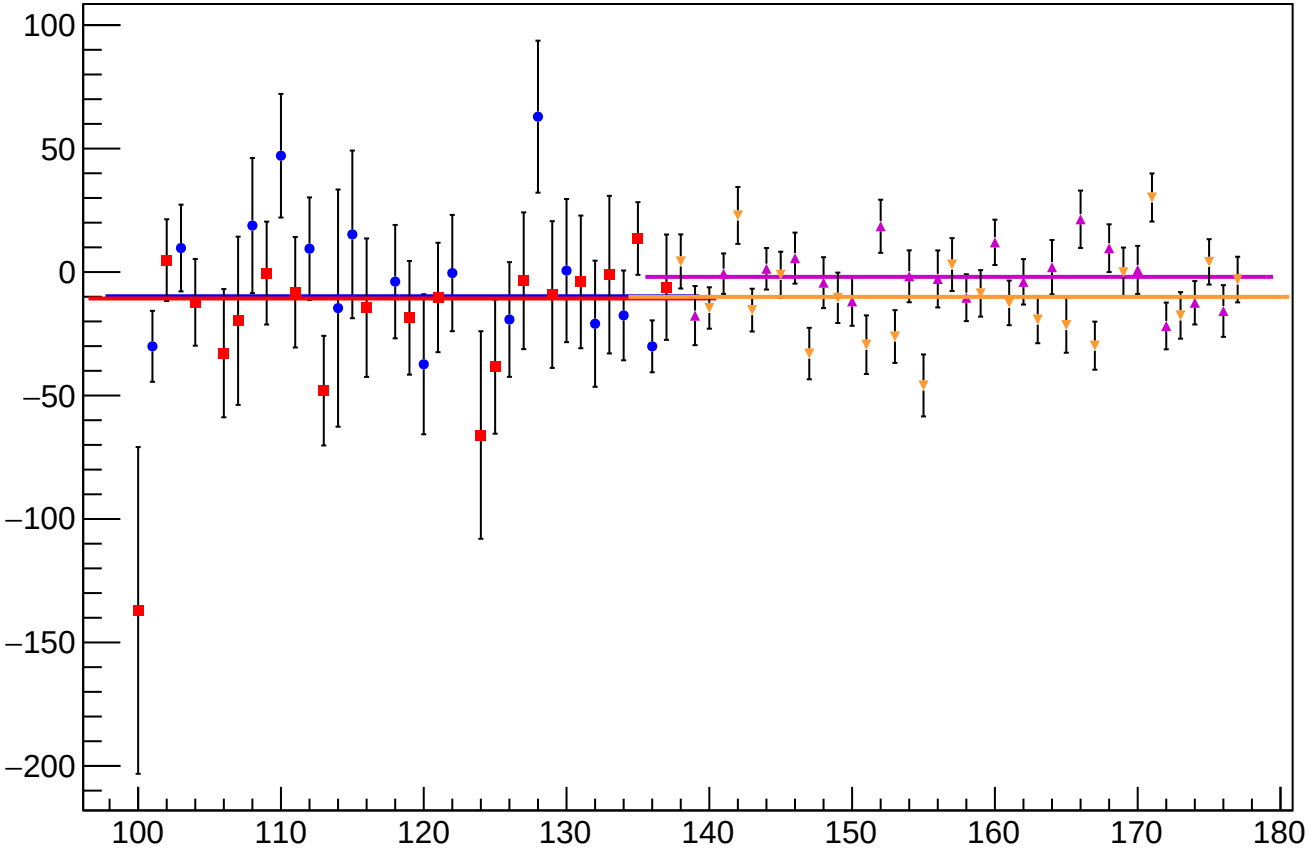
Left In: 6284.642+/-1.137 χ^2/NDF:350653.0/18

+ sign 6483.437+/-0.952 χ^2/NDF: 1147538.8/36

All: 6453.198+/-0.677 χ^2/NDF: 2349864.2/74

- sign 6422.288+/-0.962 χ^2/NDF: 1200284.7/37

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.045+/-2.167 χ^2/NDF:58.7/20

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

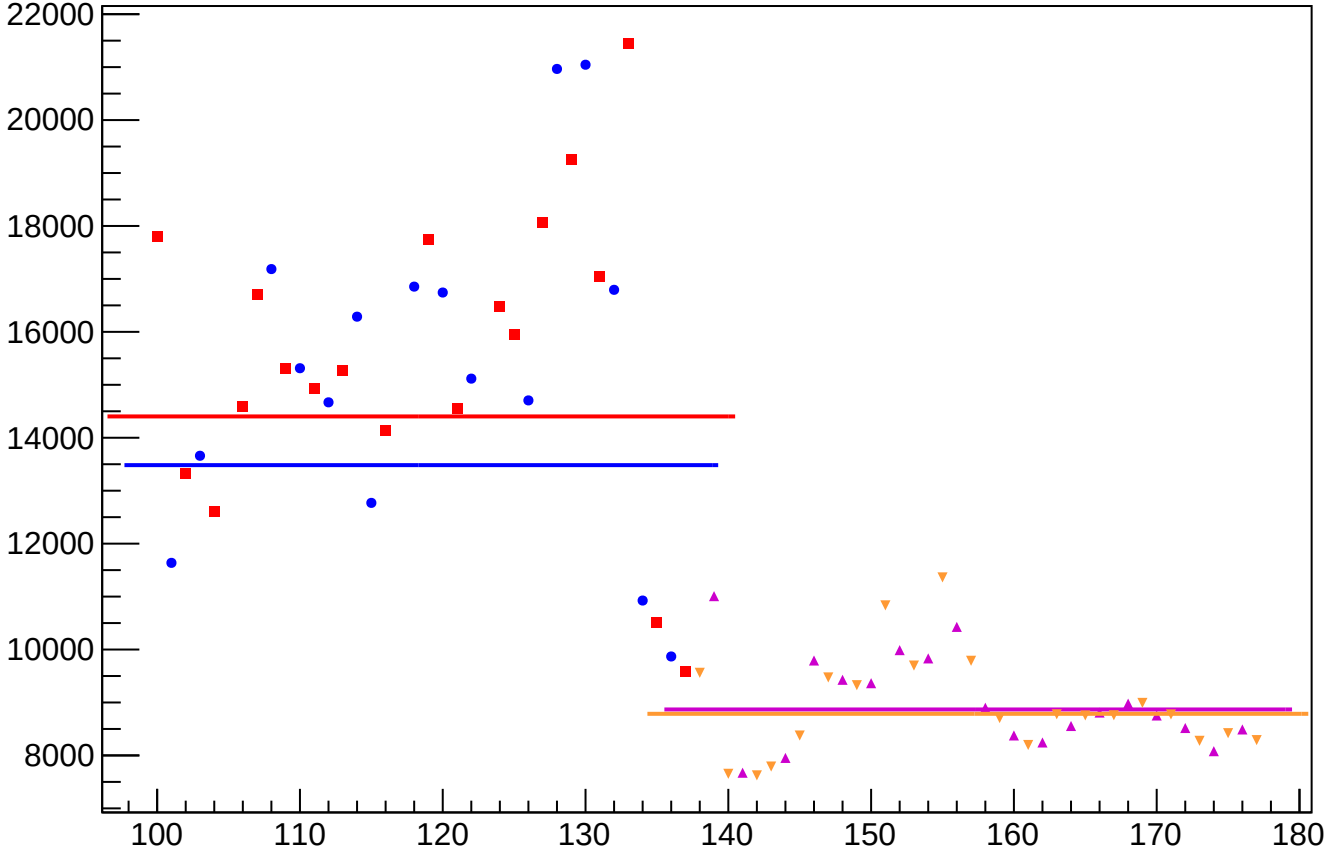
Left In: -1.948+/-2.264 χ^2/NDF:23.5/18

+ sign -10.010+/-1.999 χ^2/NDF: 80.8/36

All: -6.781+/-1.444 χ^2/NDF: 126.3/74

- sign -3.265+/-2.087 χ^2/NDF: 40.1/37

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8786.006+/-1.533 χ^2/NDF:311751.3/20

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

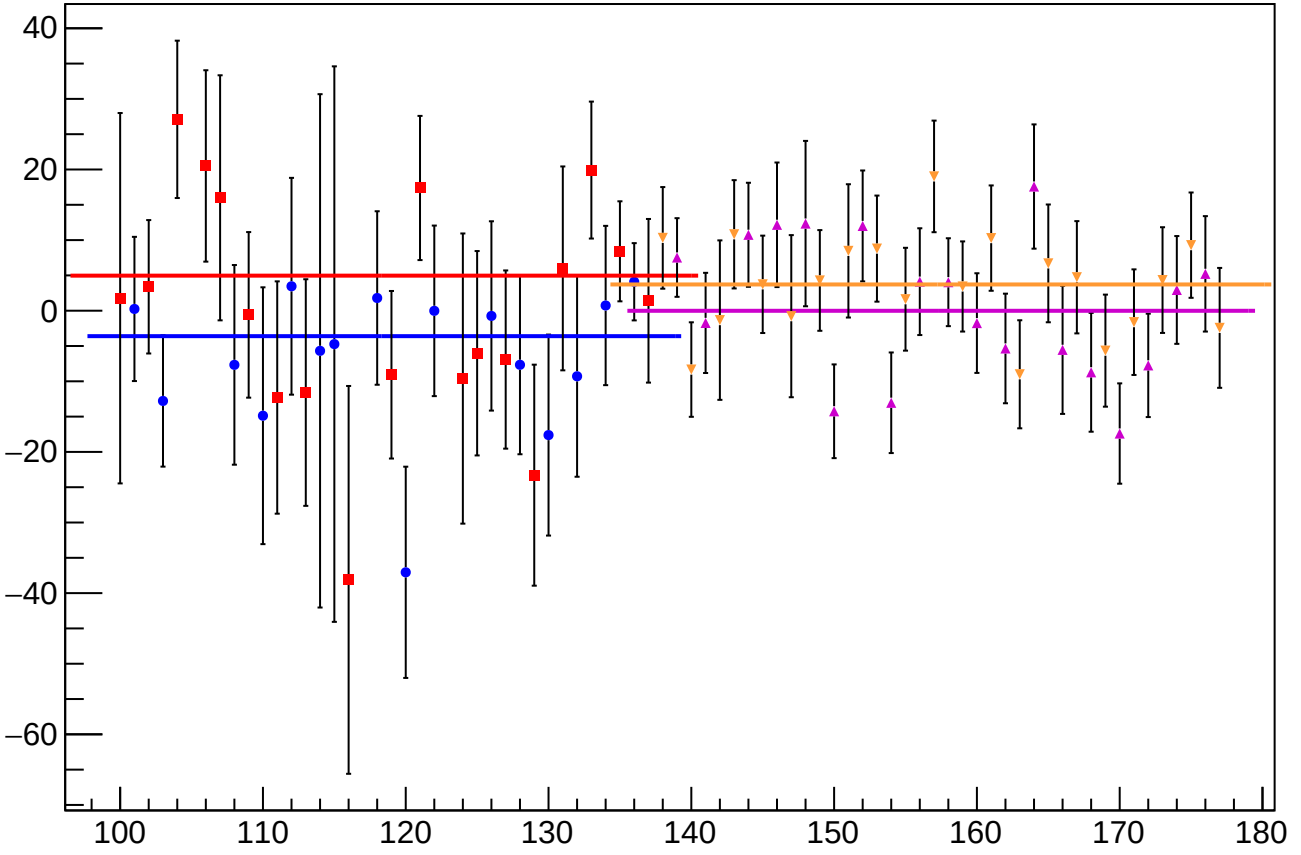
Left In: 8868.073+/-1.601 χ^2/NDF:270661.1/18

+ sign 9486.283+/-1.414 χ^2/NDF: 2455671.3/36

All: 9588.787+/-1.021 χ^2/NDF: 5087630.1/74

- sign 9700.428+/-1.475 χ^2/NDF: 2620976.8/37

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.717+/-1.686 χ^2/NDF:16.5/20

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

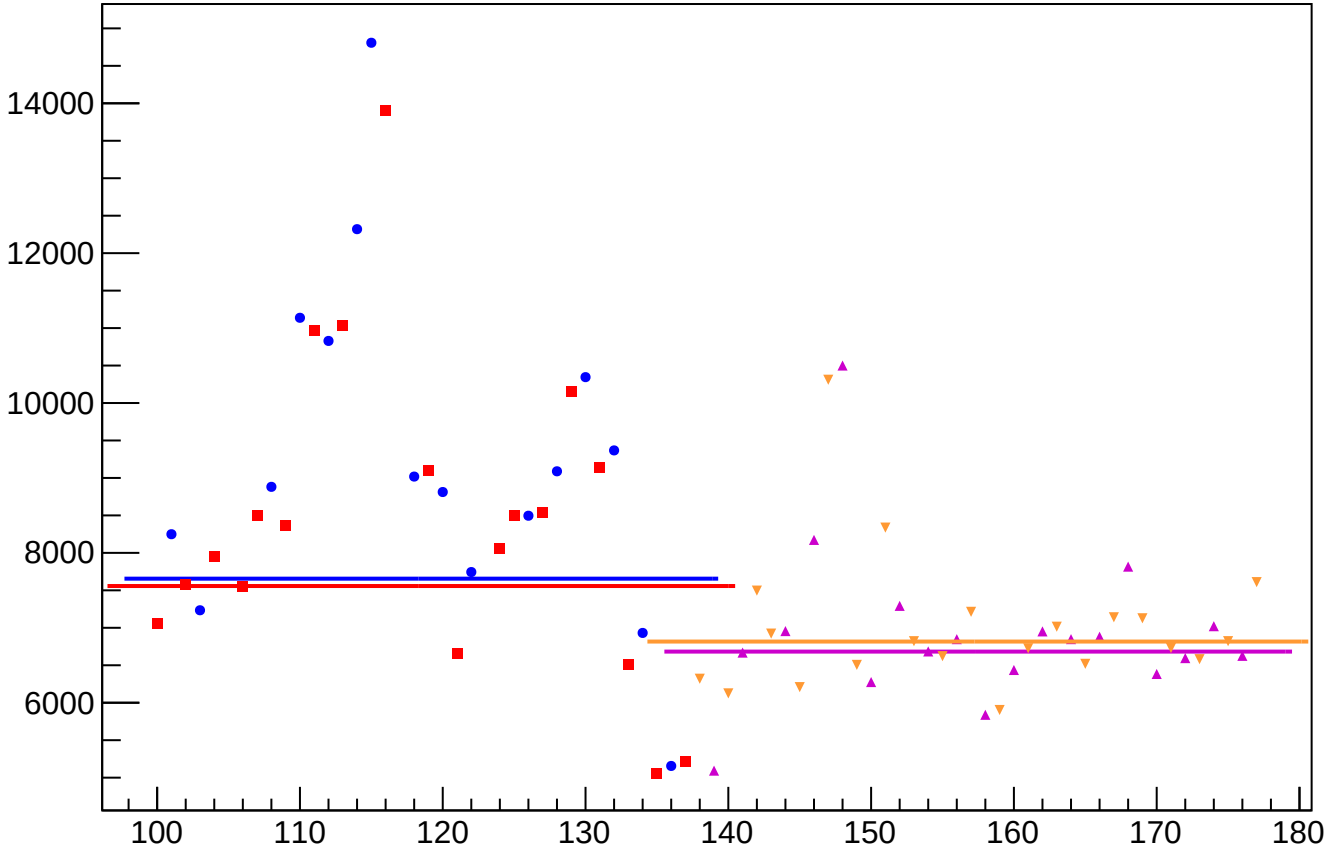
Left In: -0.013+/-1.717 χ^2/NDF:31.7/18

+ sign 1.905+/-1.463 χ^2/NDF: 31.7/36

All: 1.609+/-1.037 χ^2/NDF: 87.1/74

- sign 1.309+/-1.472 χ^2/NDF: 55.3/37

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6816.448+/-1.192 χ^2/NDF:372688.9/20

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

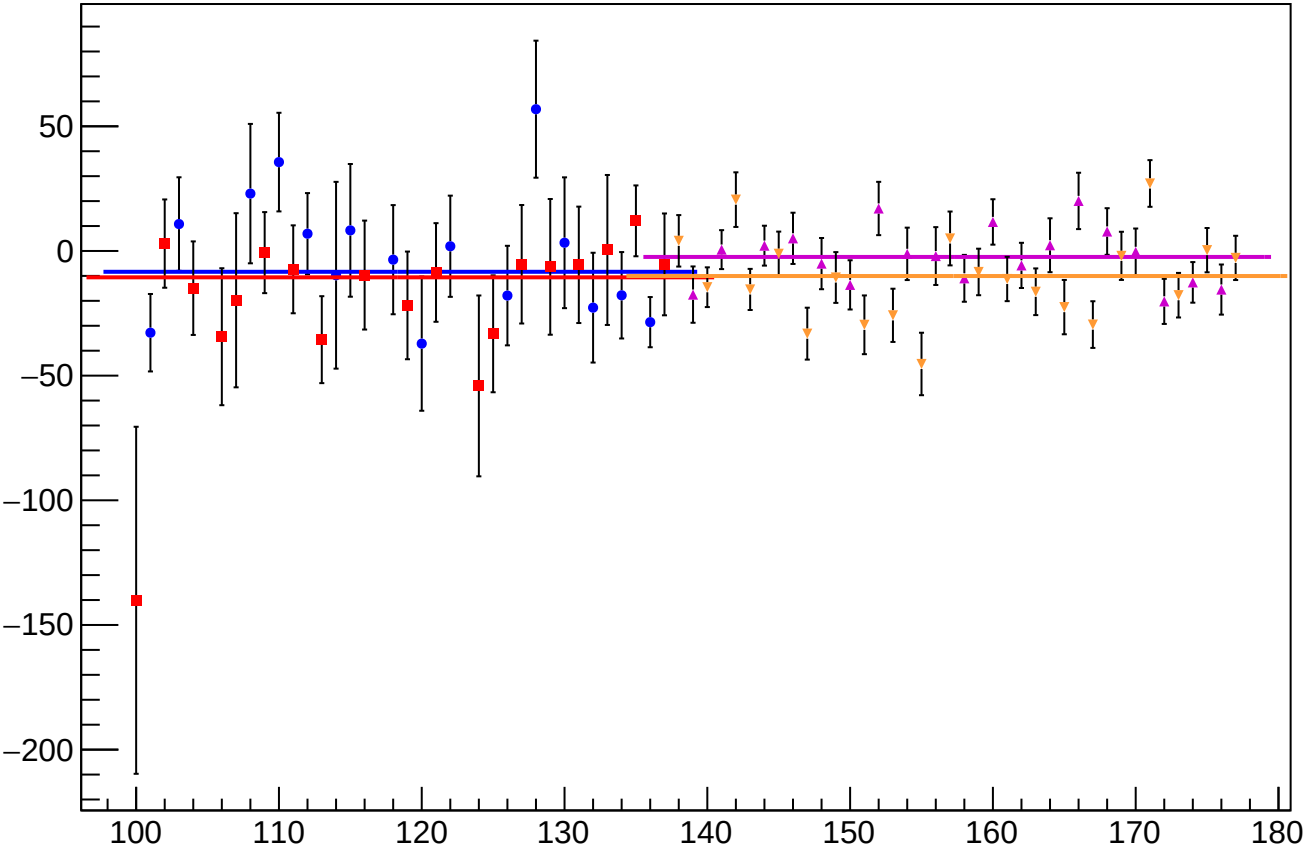
Left In: 6682.426+/-1.214 χ^2/NDF:543086.0/18

+ sign 7024.188+/-1.034 χ^2/NDF: 1375148.1/36

All: 6969.889+/-0.734 χ^2/NDF: 2871575.5/74

- sign 6914.904+/-1.041 χ^2/NDF: 1490879.2/37

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.053+/-2.103 χ^2/NDF:56.5/20

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

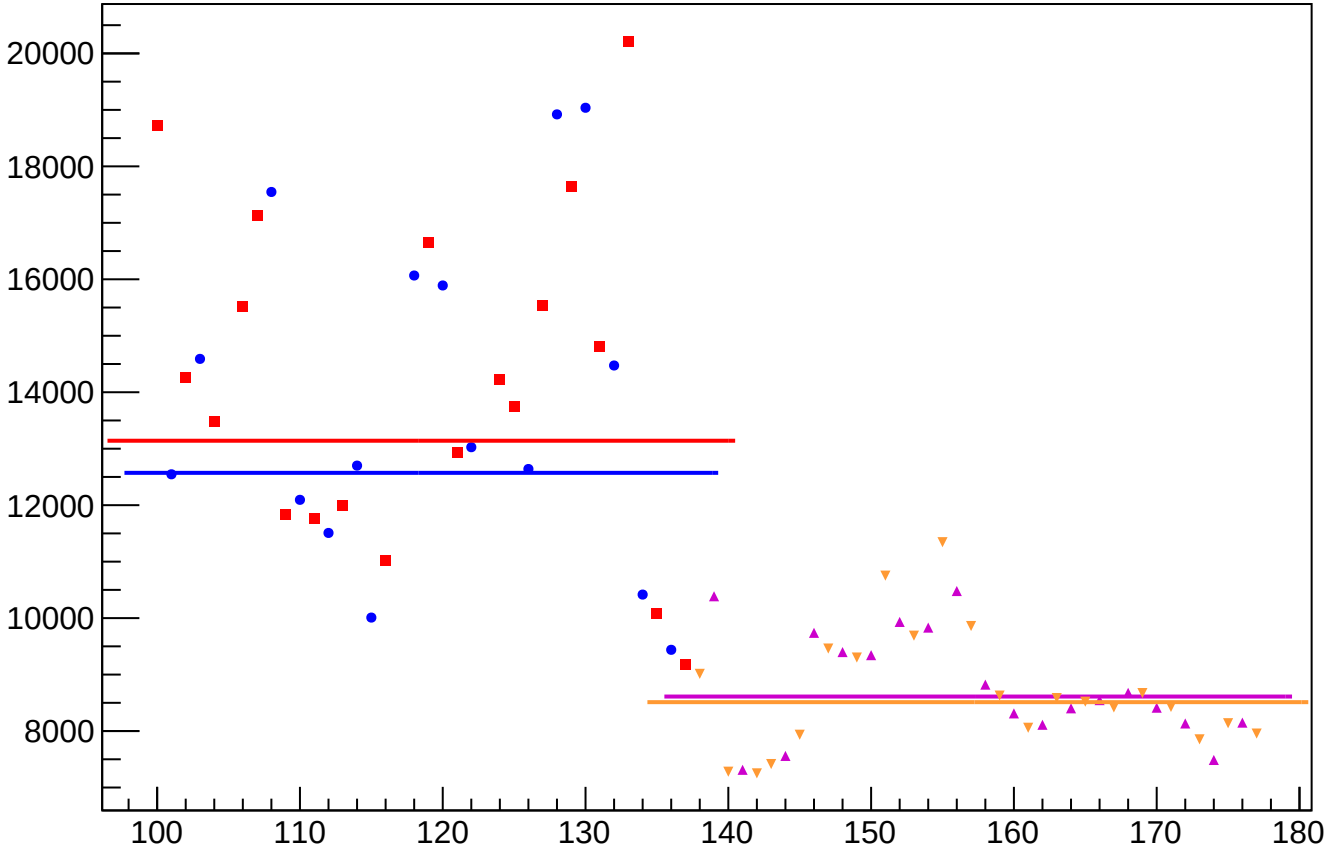
Left In: -2.394+/-2.202 χ^2/NDF:23.3/18

+ sign -9.780+/-1.927 χ^2/NDF: 79.9/36

All: -6.896+/-1.391 χ^2/NDF: 123.1/74

- sign -3.763+/-2.009 χ^2/NDF: 38.5/37

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8511.760+/-1.487 χ^2/NDF:410321.7/20

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

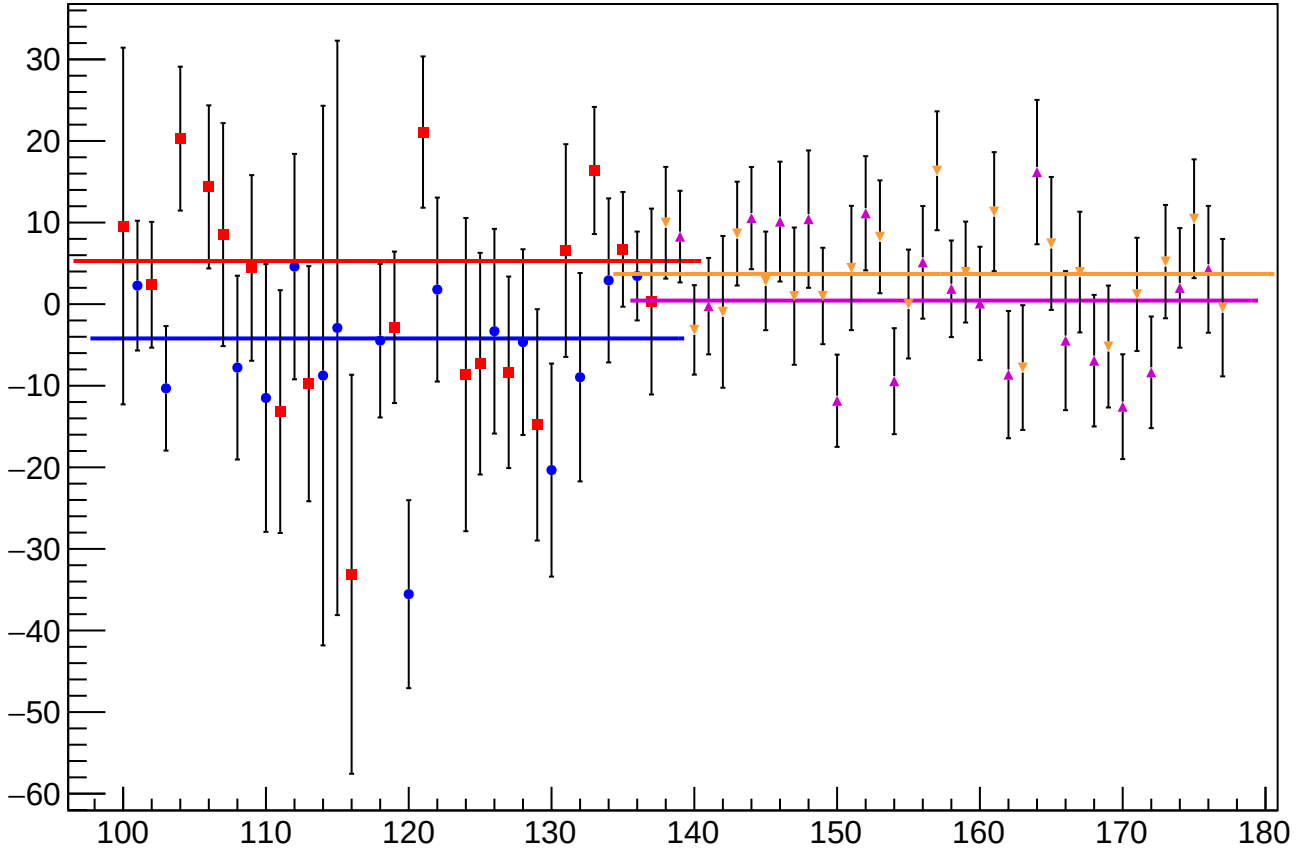
Left In: 8611.158+/-1.557 χ^2/NDF:354369.6/18

+ sign 9162.767+/-1.363 χ^2/NDF: 2270462.8/36

All: 9261.733+/-0.983 χ^2/NDF: 4587599.9/74

- sign 9369.251+/-1.421 χ^2/NDF: 2306135.3/37

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.704+/-1.528 χ^2/NDF:13.6/20

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

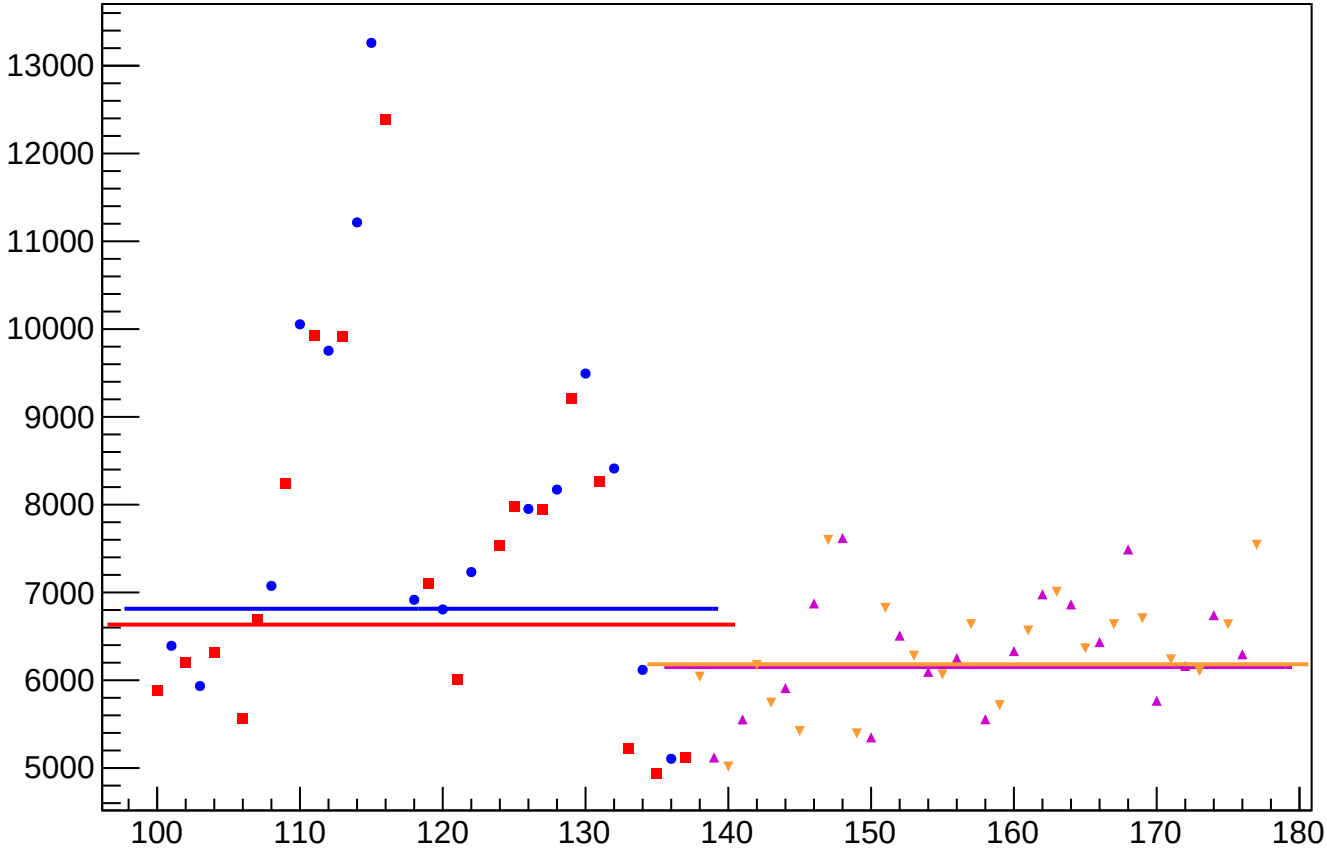
Left In: 0.438+/-1.575 χ^2/NDF:29.3/18

+ sign 1.674+/-1.318 χ^2/NDF: 34.3/36

All: 1.743+/-0.937 χ^2/NDF: 86.1/74

- sign 1.814+/-1.333 χ^2/NDF: 51.8/37

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6181.988+/-1.081 χ^2/NDF:366837.7/20

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

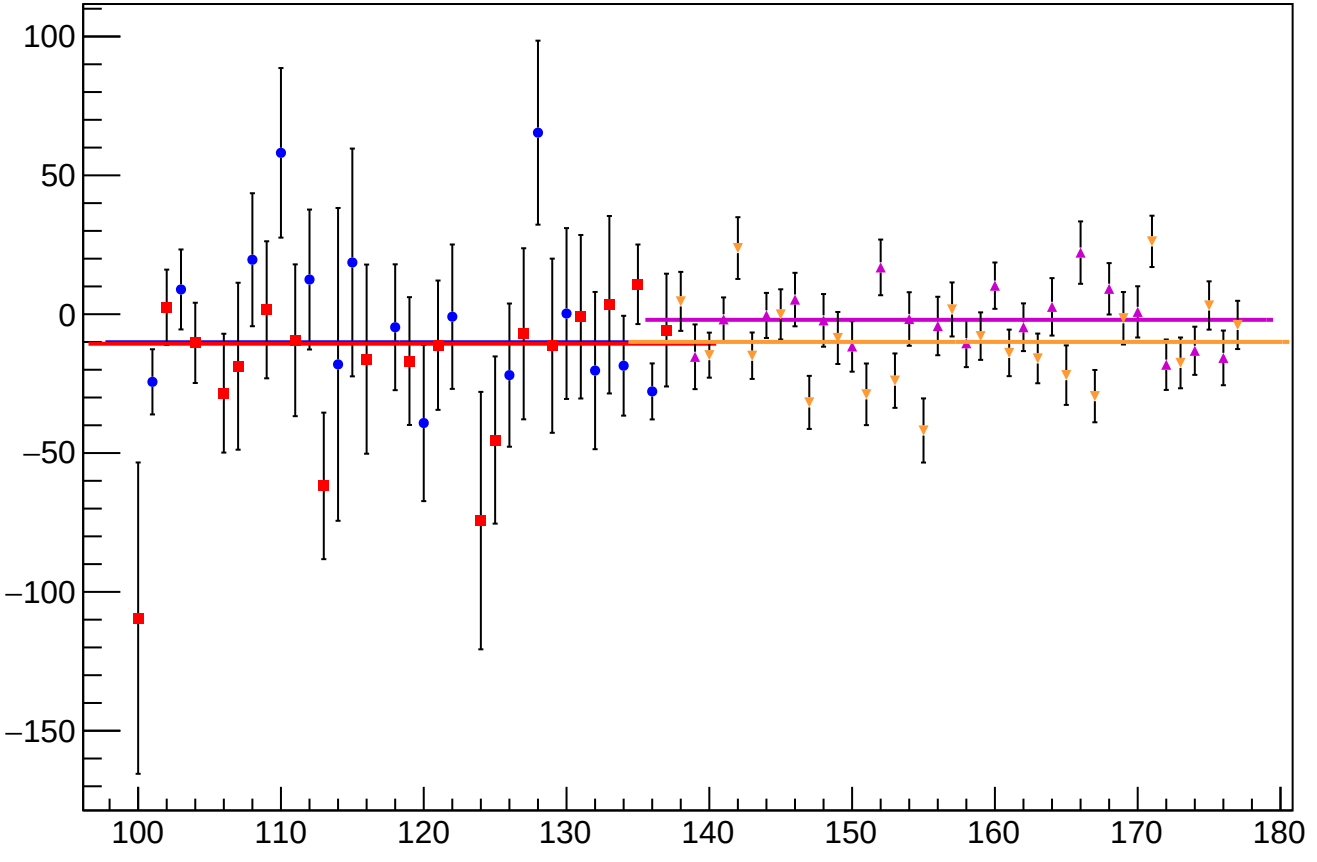
Left In: 6150.239+/-1.114 χ^2/NDF:352211.9/18

+ sign 6344.303+/-0.932 χ^2/NDF: 1128825.9/36

All: 6316.188+/-0.663 χ^2/NDF: 2299713.4/74

- sign 6287.417+/-0.942 χ^2/NDF: 1169044.6/37

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.977+/-2.044 χ^2/NDF:58.1/20

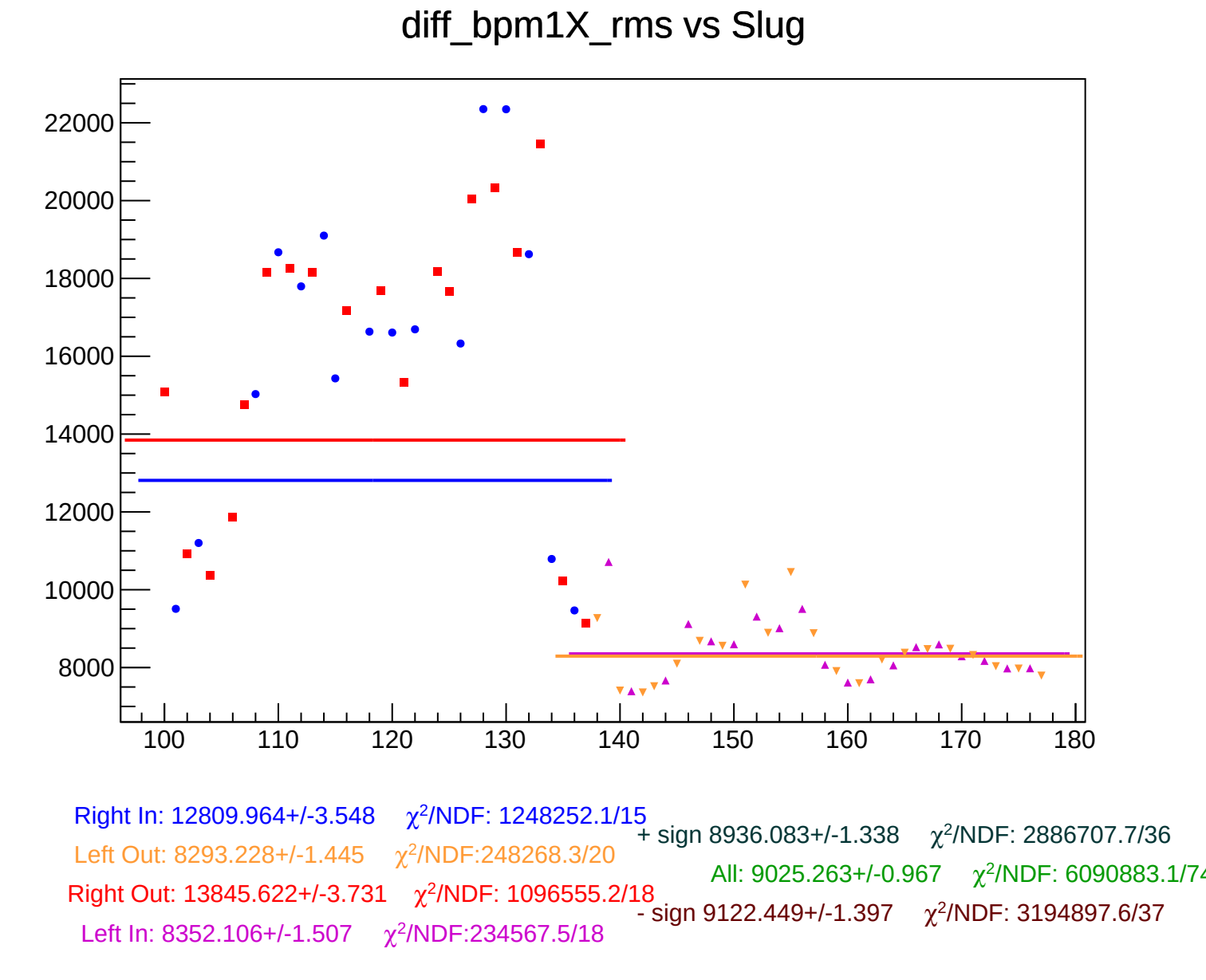
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

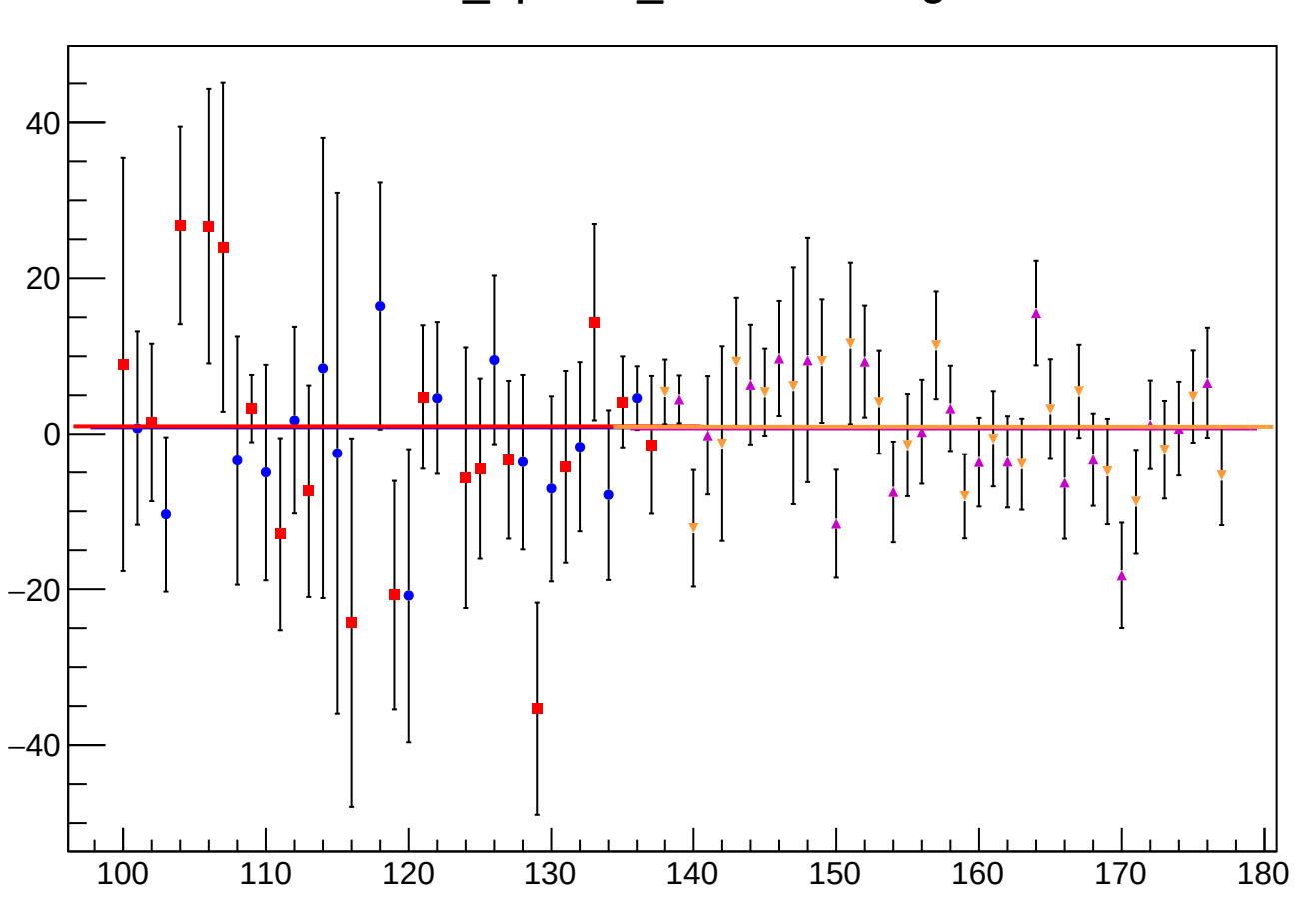
Left In: -2.024+/-2.131 χ^2/NDF:23.0/18

+ sign -9.996+/-1.893 χ^2/NDF: 79.4/36

All: -6.758+/-1.367 χ^2/NDF: 125.5/74

- sign -3.230+/-1.976 χ^2/NDF: 40.0/37


diff_bpm1X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8293.228+/-1.445 χ²/NDF:248268.3/20
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8352.106+/-1.507 χ²/NDF:234567.5/18
+ sign 8936.083+/-1.338 χ²/NDF: 2886707.7/36
All: 9025.263+/-0.967 χ²/NDF: 6090883.1/74
- sign 9122.449+/-1.397 χ²/NDF: 3194897.6/37



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.946+/-1.431 χ^2/NDF:19.5/20

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

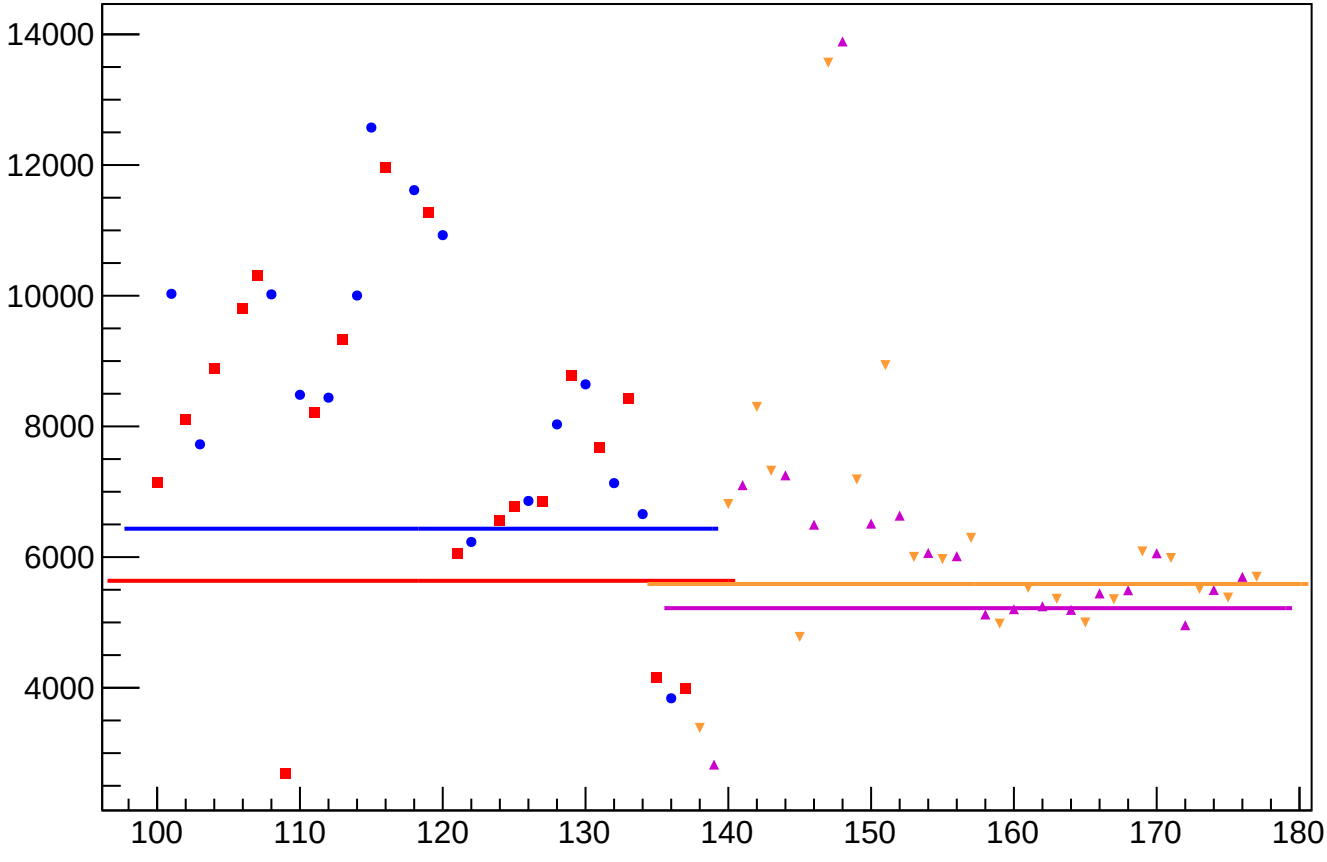
Left In: 0.740+/-1.400 χ^2/NDF:26.1/18

+ sign 0.931+/-1.250 χ^2/NDF: 26.3/36

All: 0.868+/-0.865 χ^2/NDF: 74.8/74

- sign 0.811+/-1.198 χ^2/NDF: 48.5/37

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5588.785+/-1.012 χ^2/NDF:1782733.1/20

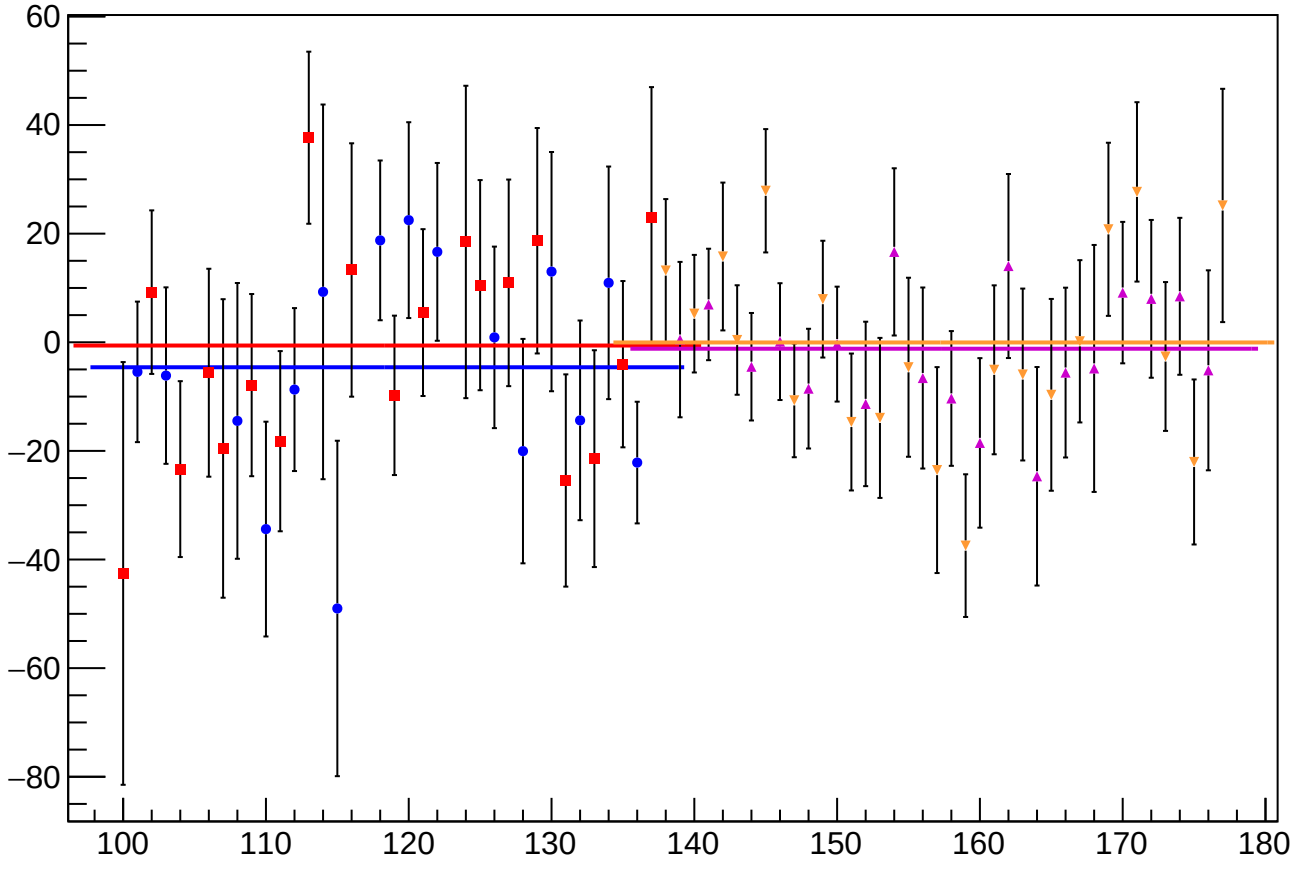
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5218.660+/-0.990 χ^2/NDF:2408860.2/18

+ sign 5789.371+/-0.884 χ^2/NDF: 3699084.6/36

All: 5550.416+/-0.611 χ^2/NDF: 8876207.6/74

- sign 5330.864+/-0.847 χ^2/NDF: 5036806.7/37



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.035+/-2.969 χ^2/NDF:30.8/20

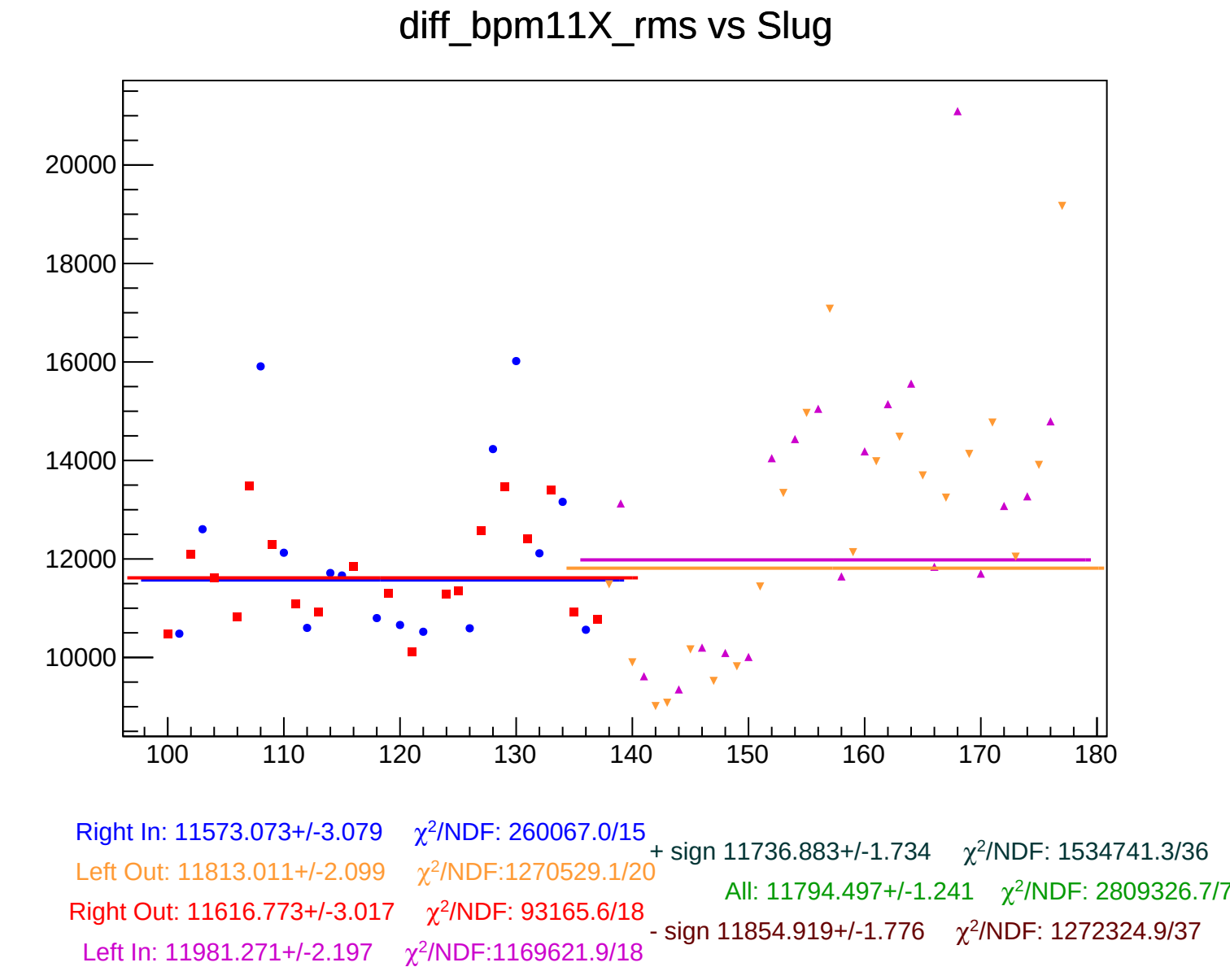
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -1.189+/-3.108 χ^2/NDF:8.7/18

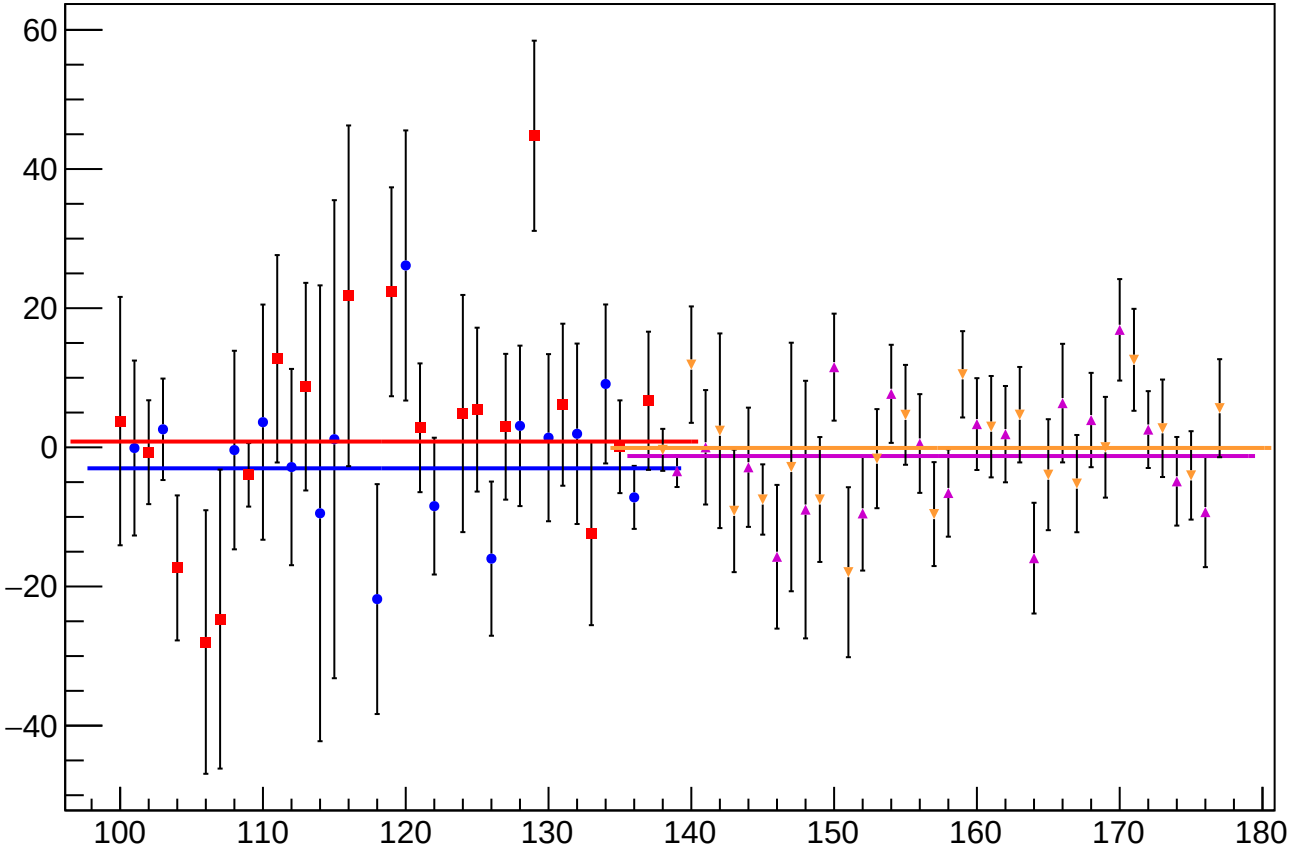
+ sign -1.484+/-2.453 χ^2/NDF: 47.3/36

All: -1.240+/-1.755 χ^2/NDF: 73.9/74

- sign -0.985+/-2.512 χ^2/NDF: 26.6/37


diff_bpm11X_rms vs Slug
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
180
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11813.011+/-2.099 χ²/NDF:1270529.1/20
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11981.271+/-2.197 χ²/NDF:1169621.9/18
+ sign 11736.883+/-1.734 χ²/NDF: 1534741.3/36
All: 11794.497+/-1.241 χ²/NDF: 2809326.7/7
- sign 11854.919+/-1.776 χ²/NDF: 1272324.9/37

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.088+/-1.465 χ^2/NDF:18.8/20

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

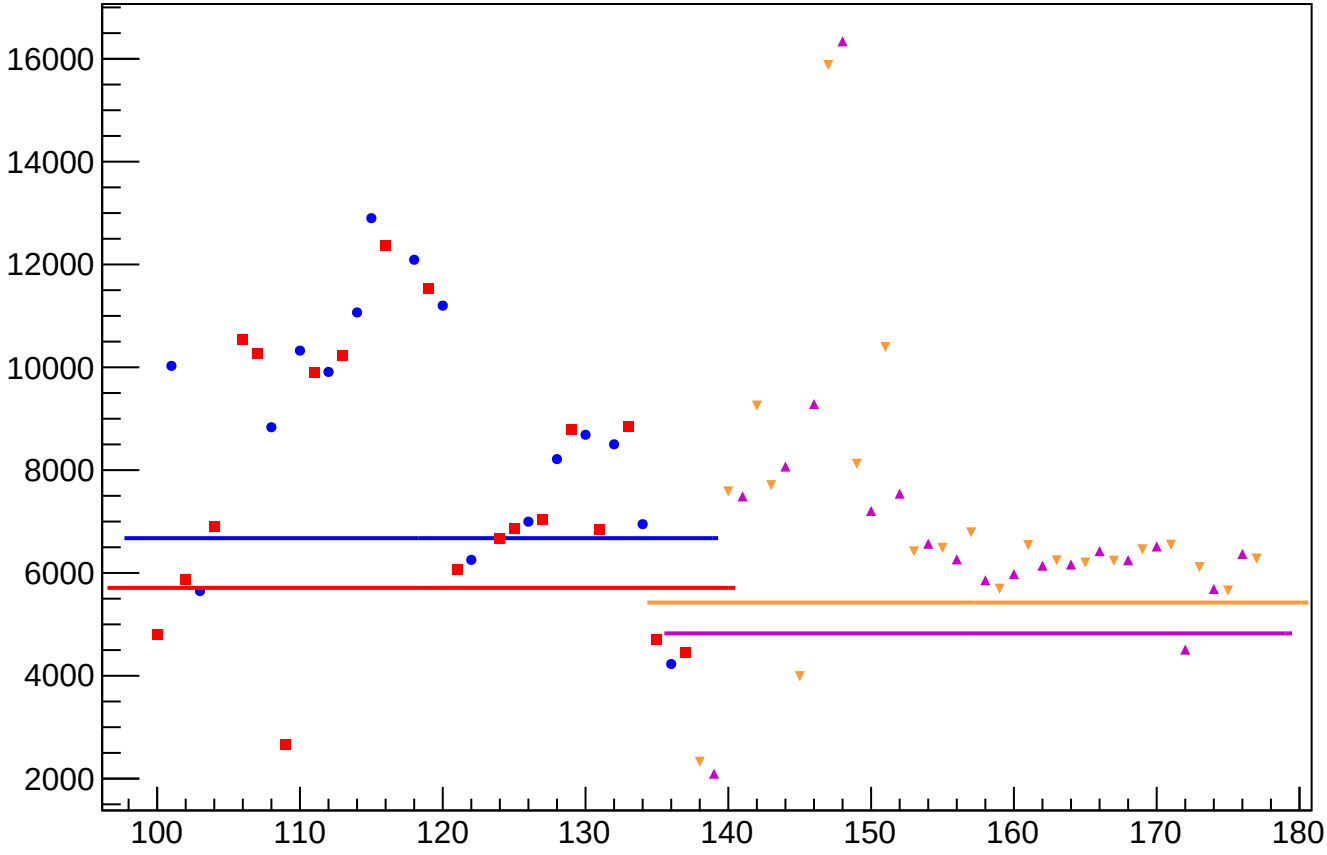
Left In: -1.250+/-1.390 χ^2/NDF:22.8/18

\+ sign -0.771+/-1.283 χ^2/NDF: 28.4/36

All: -0.739+/-0.875 χ^2/NDF: 75.5/74

\- sign -0.711+/-1.197 χ^2/NDF: 47.2/37

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5424.598+/-1.036 χ^2/NDF:4296283.4/20

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

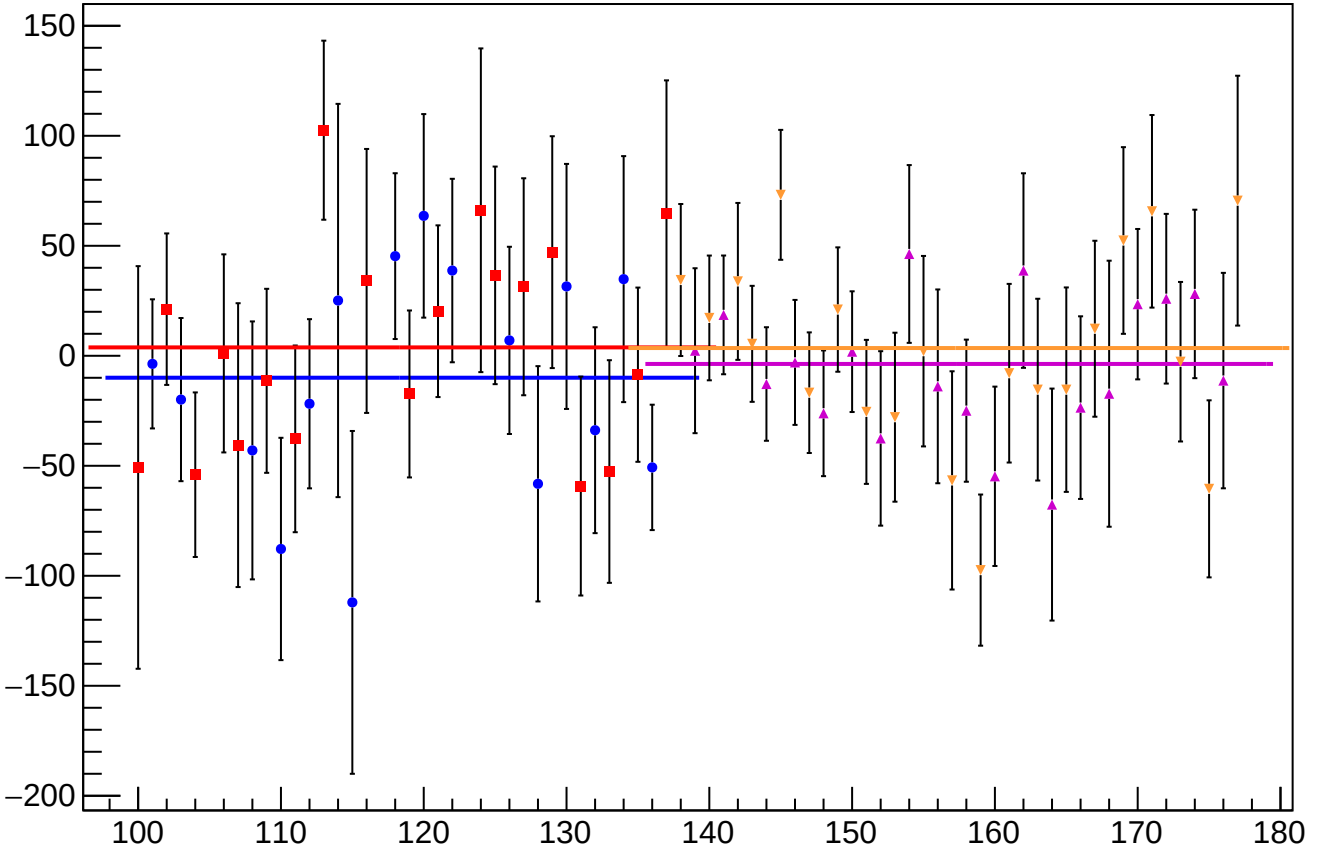
Left In: 4824.569+/-0.983 χ^2/NDF:5755062.9/18

+ sign 5717.129+/-0.907 χ^2/NDF: 6210444.2/36

All: 5362.505+/-0.619 χ^2/NDF: 14762502.5/7

- sign 5053.825+/-0.846 χ^2/NDF: 8266125.5/37

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 3.518+/-7.790 χ^2/NDF:27.6/20

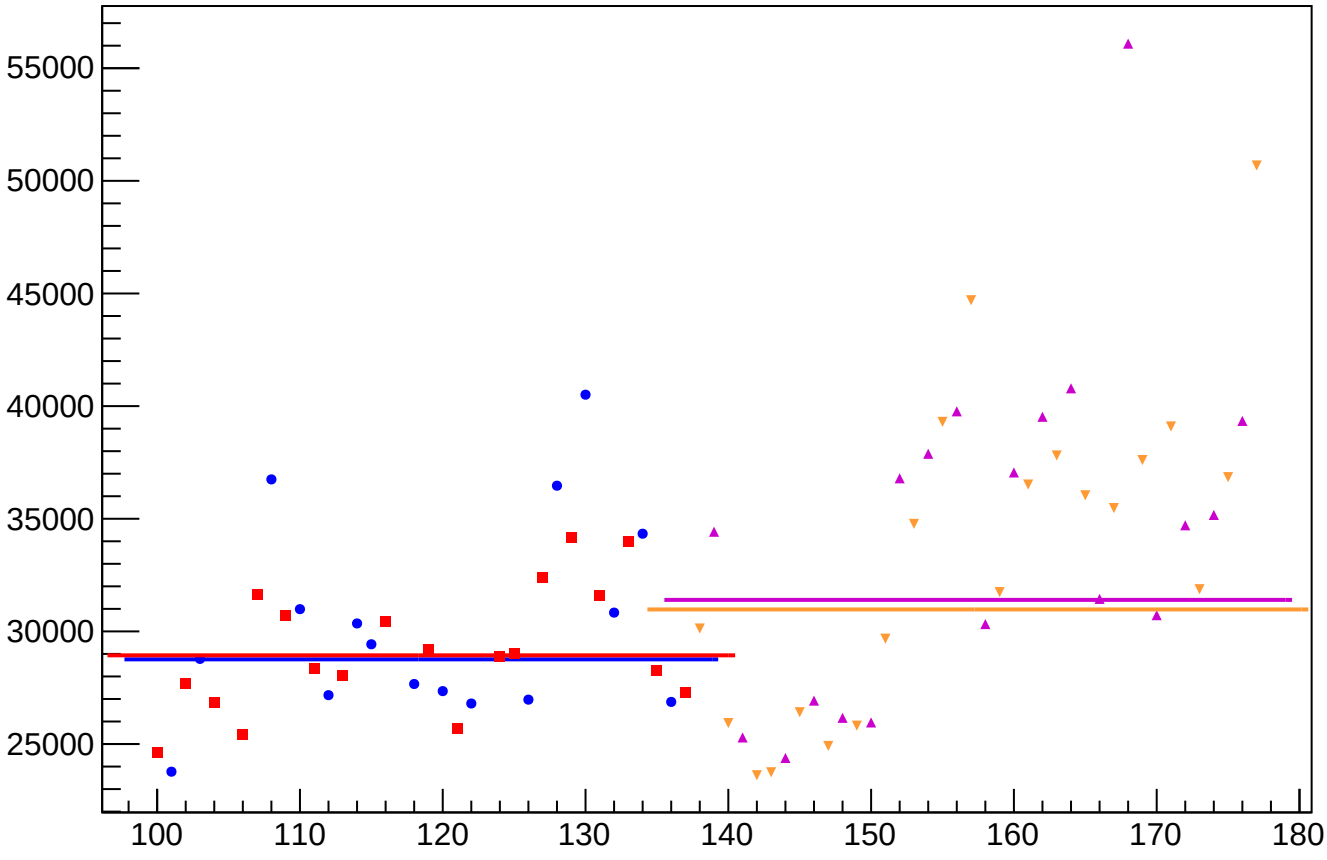
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.710+/-8.150 χ^2/NDF:10.4/18

+ sign -1.077+/-6.325 χ^2/NDF: 43.9/36

All: -1.004+/-4.523 χ^2/NDF: 71.9/74

- sign -0.927+/-6.469 χ^2/NDF: 28.0/37



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30973.975+/-5.508 χ^2/NDF:1306427.9/20

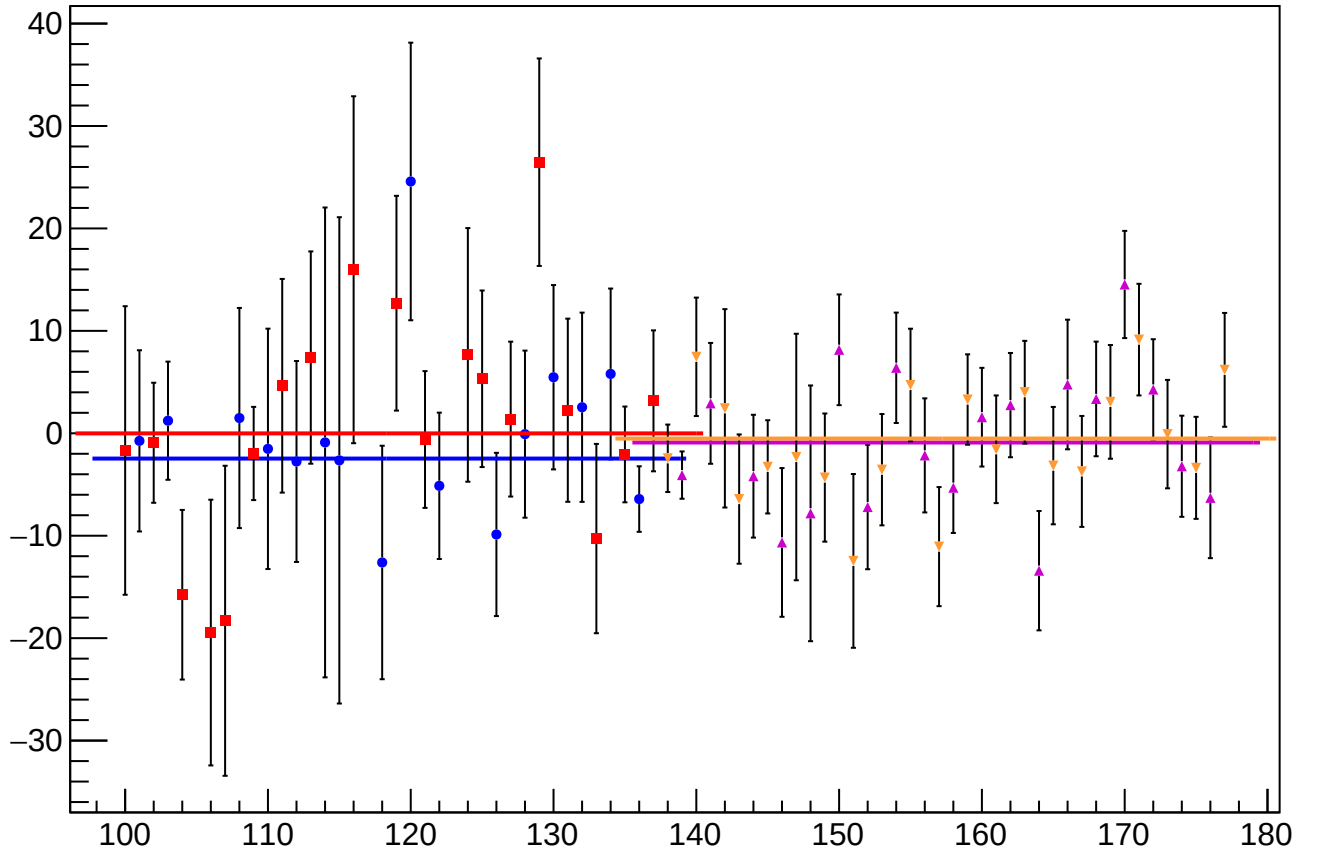
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 31398.473+/-5.763 χ^2/NDF:1212326.2/18

+ sign 30219.395+/-4.472 χ^2/NDF: 1639156.8/36

All: 30350.739+/-3.198 χ^2/NDF: 3026968.3/7

- sign 30488.140+/-4.574 χ^2/NDF: 1386046.9/37



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.515+/-1.182 χ^2/NDF:18.0/20

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

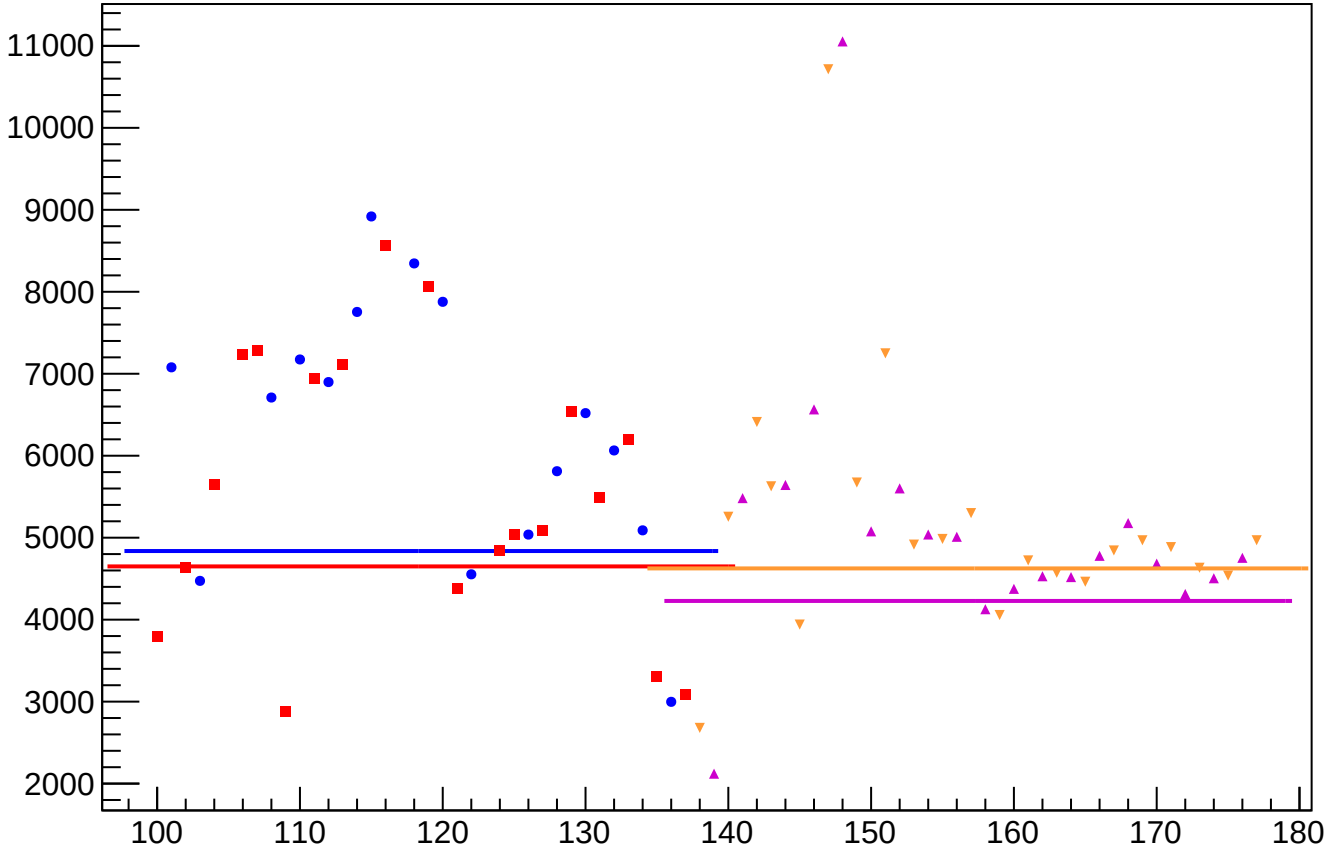
Left In: -0.900+/-1.144 χ^2/NDF:29.1/18

+ sign -1.053+/-1.006 χ^2/NDF: 28.8/36

All: -0.844+/-0.698 χ^2/NDF: 78.1/74

- sign -0.649+/-0.970 χ^2/NDF: 49.3/37

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4625.169+/-0.836 χ^2/NDF:1746006.5/20

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

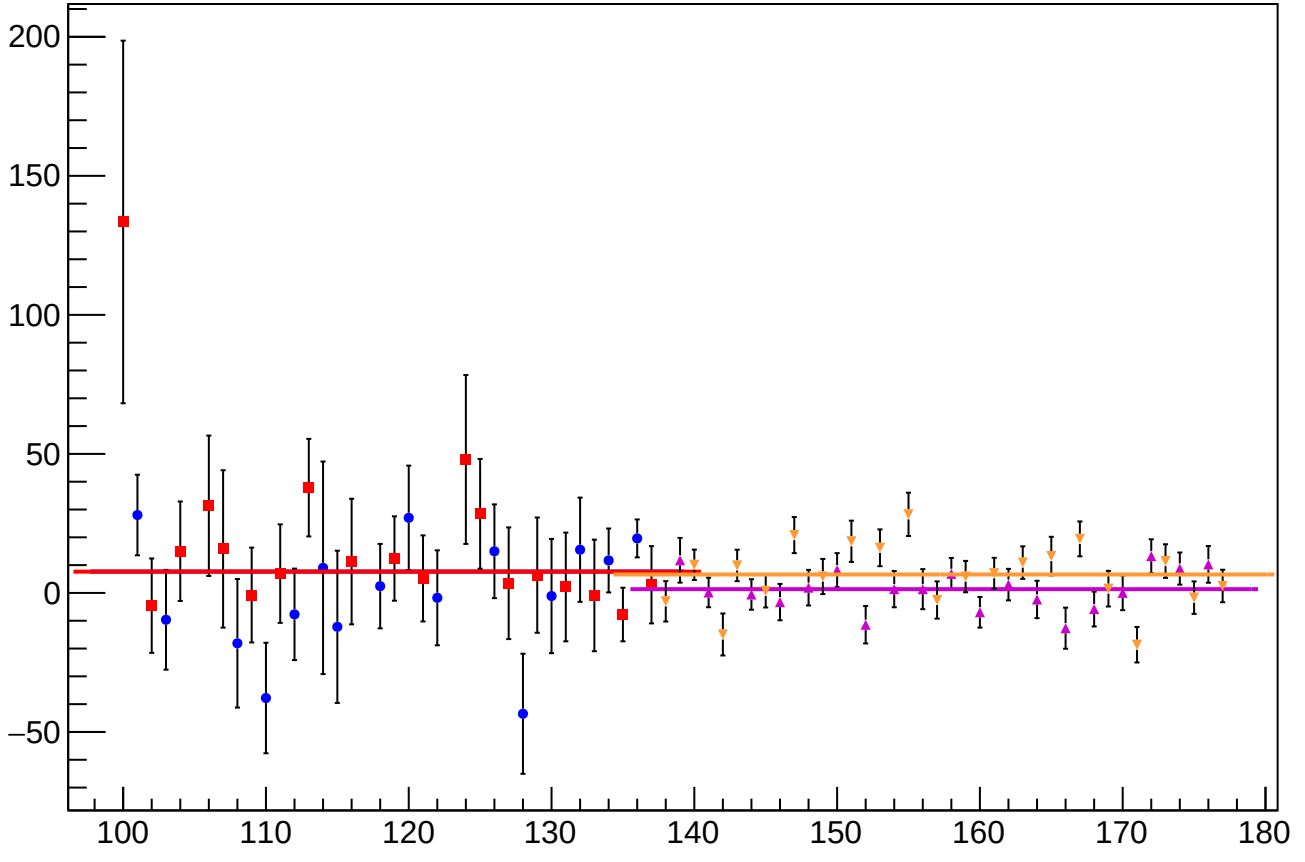
Left In: 4228.276+/-0.809 χ^2/NDF:3035424.9/18

+ sign 4683.638+/-0.711 χ^2/NDF: 3311513.9/36

All: 4508.983+/-0.494 χ^2/NDF: 7974114.2/74

- sign 4346.774+/-0.686 χ^2/NDF: 4546331.6/37

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.631+/-1.371 χ^2/NDF:55.9/20

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

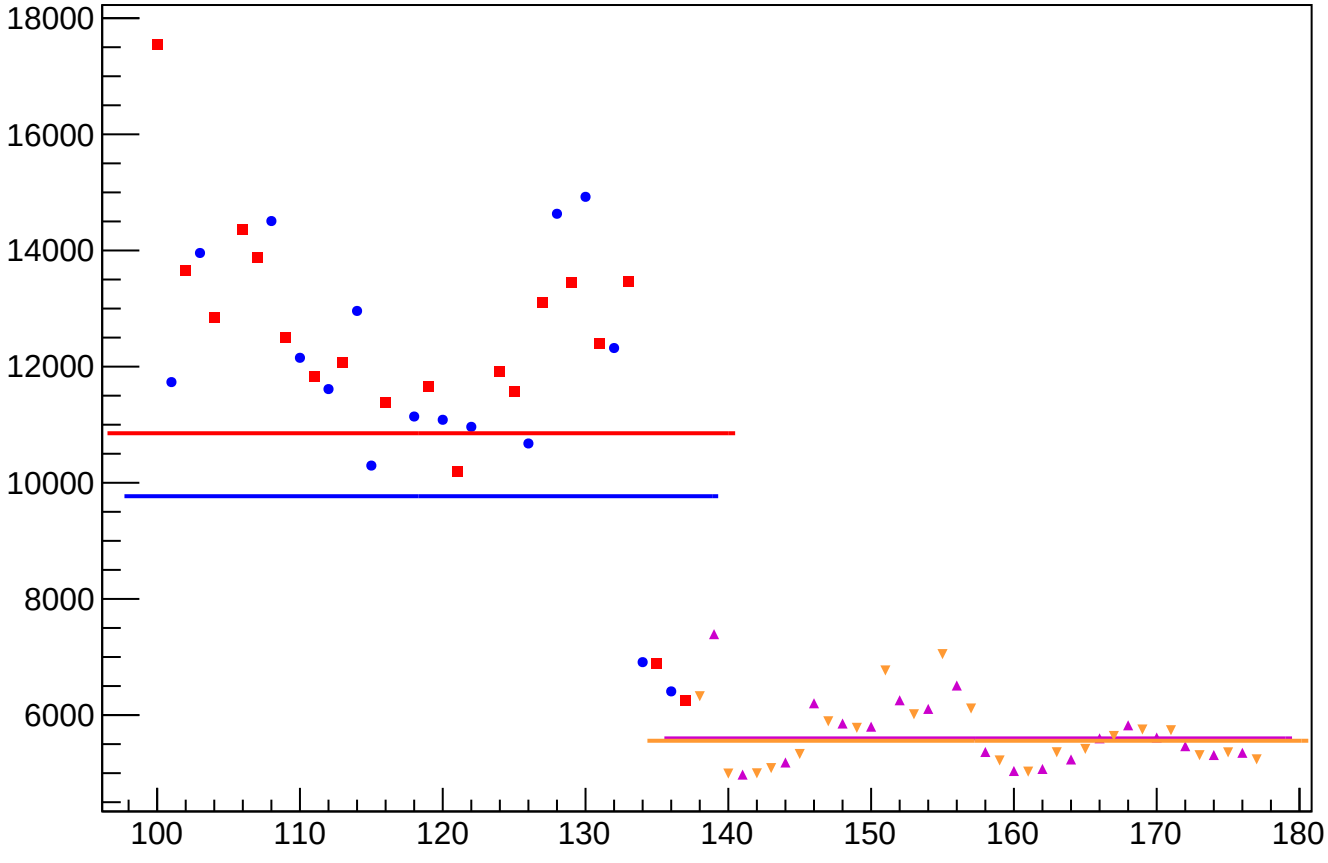
Left In: 1.358+/-1.429 χ^2/NDF:23.0/18

+ sign 6.752+/-1.290 χ^2/NDF: 77.6/36

All: 4.503+/-0.933 χ^2/NDF: 123.6/74

- sign 2.041+/-1.350 χ^2/NDF: 39.7/37

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5558.024+/-0.969 χ^2/NDF:273529.4/20

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

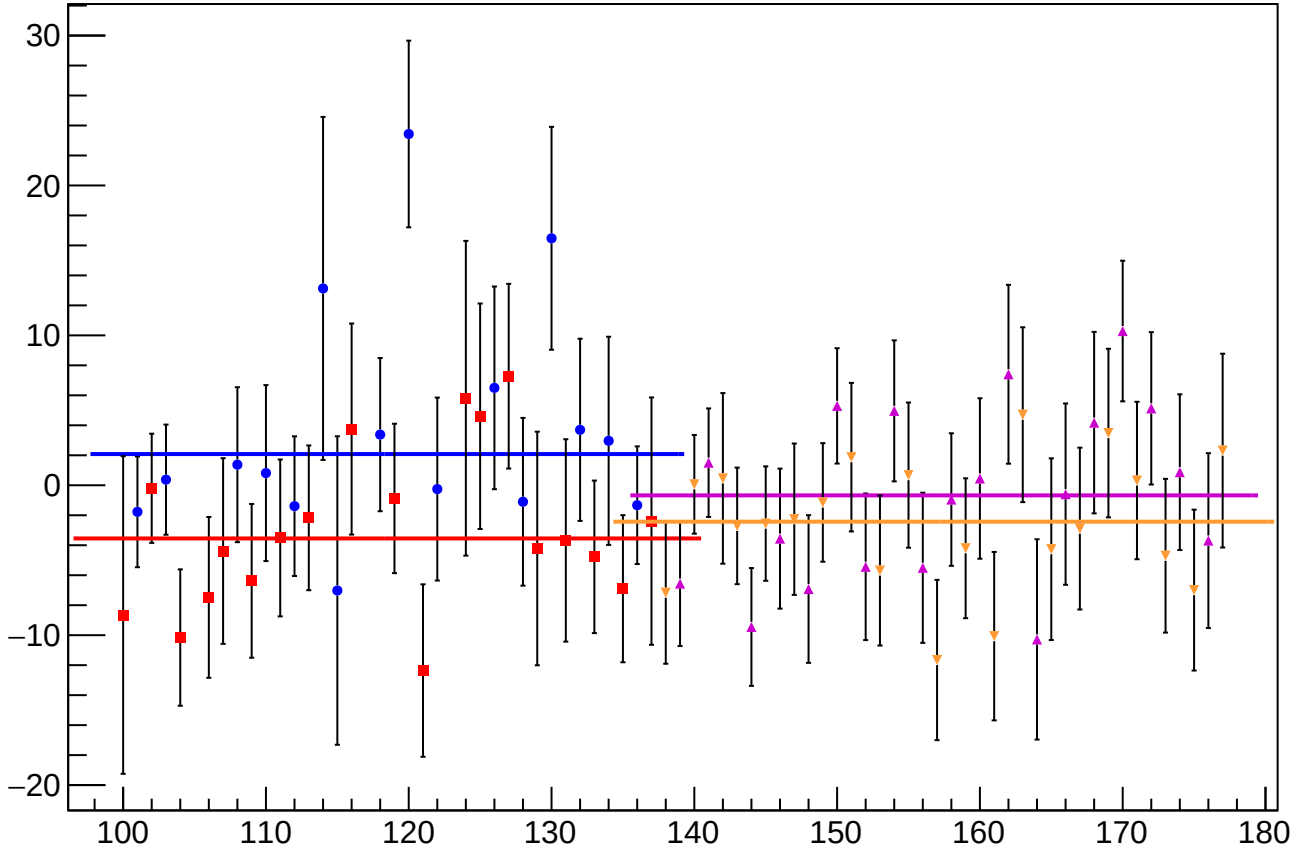
Left In: 5598.425+/-1.011 χ^2/NDF:282502.2/18

+ sign 6038.271+/-0.912 χ^2/NDF: 3640412.5/36

All: 6100.264+/-0.659 χ^2/NDF: 7737039.1/74

- sign 6168.134+/-0.954 χ^2/NDF: 4086951.0/37

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.428+/-1.056 χ^2/NDF:12.9/20

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

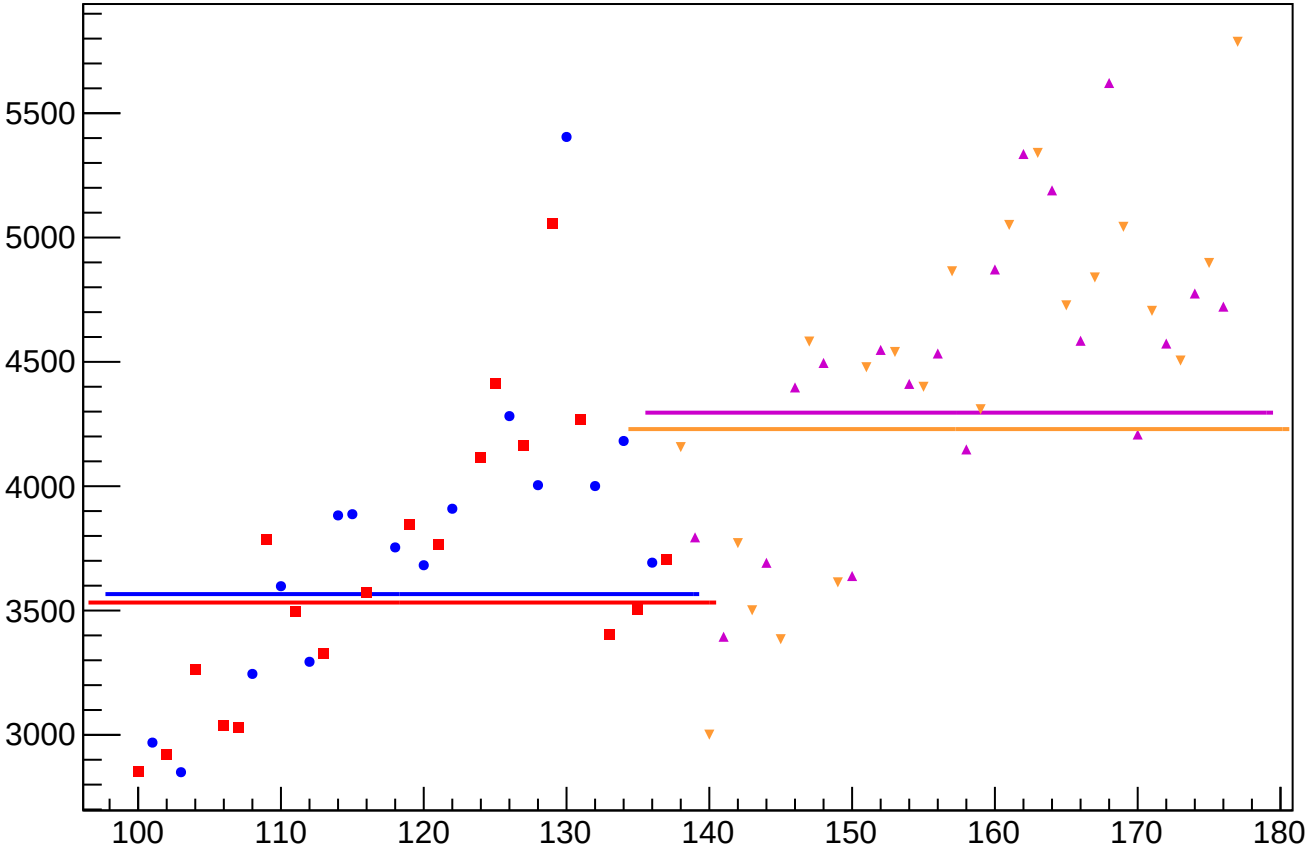
Left In: -0.674+/-1.103 χ^2/NDF:26.8/18

+ sign -0.709+/-0.831 χ^2/NDF: 40.8/36

All: -1.283+/-0.591 χ^2/NDF: 84.9/74

- sign -1.872+/-0.842 χ^2/NDF: 43.1/37

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4229.700+/-0.747 χ^2/NDF:928197.6/20

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

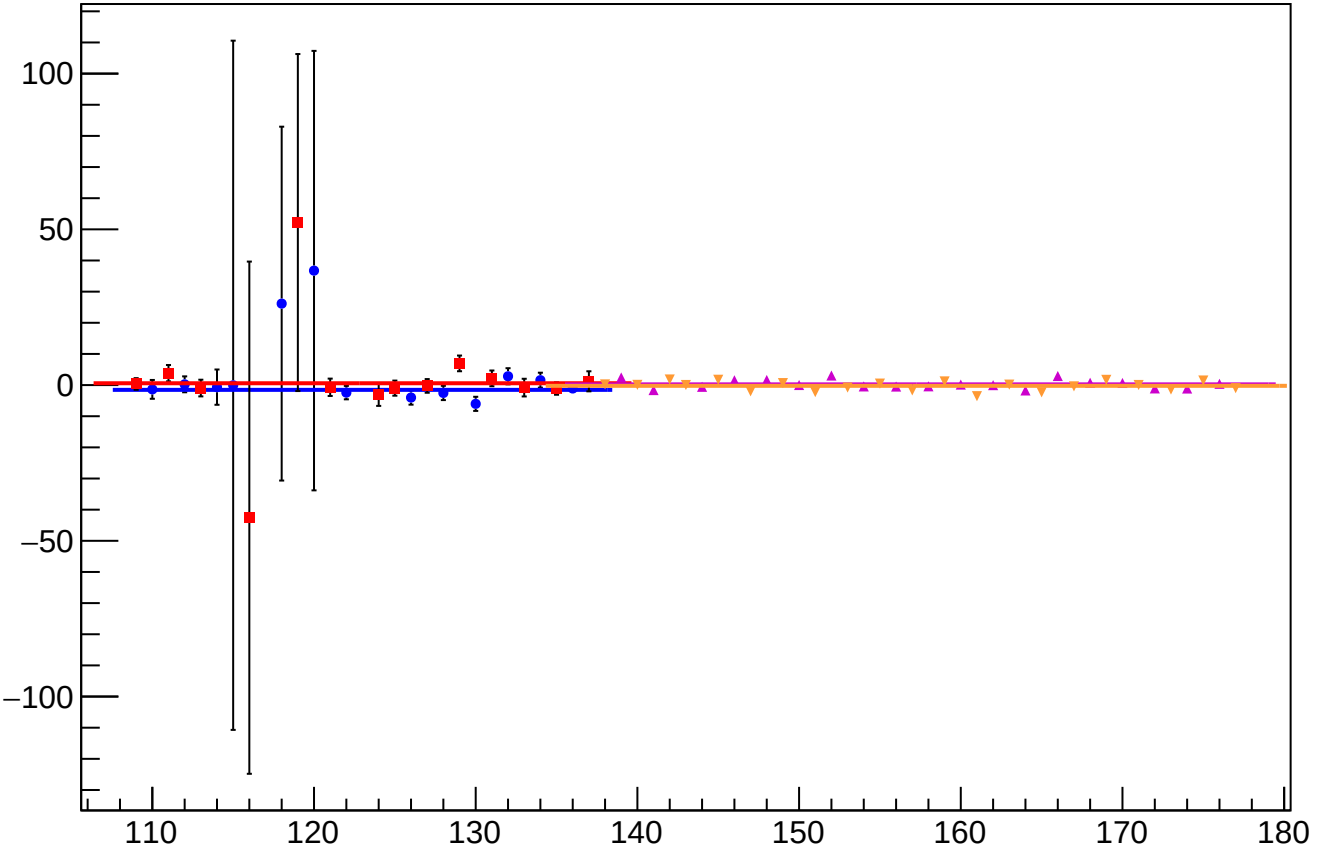
Left In: 4295.777+/-0.780 χ^2/NDF:530628.4/18

+ sign 3976.791+/-0.587 χ^2/NDF: 1570409.5/36

All: 3977.083+/-0.418 χ^2/NDF: 2779458.4/74

- sign 3977.382+/-0.595 χ^2/NDF: 1209048.5/37

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.238+/-0.251 χ^2/NDF:33.2/20

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

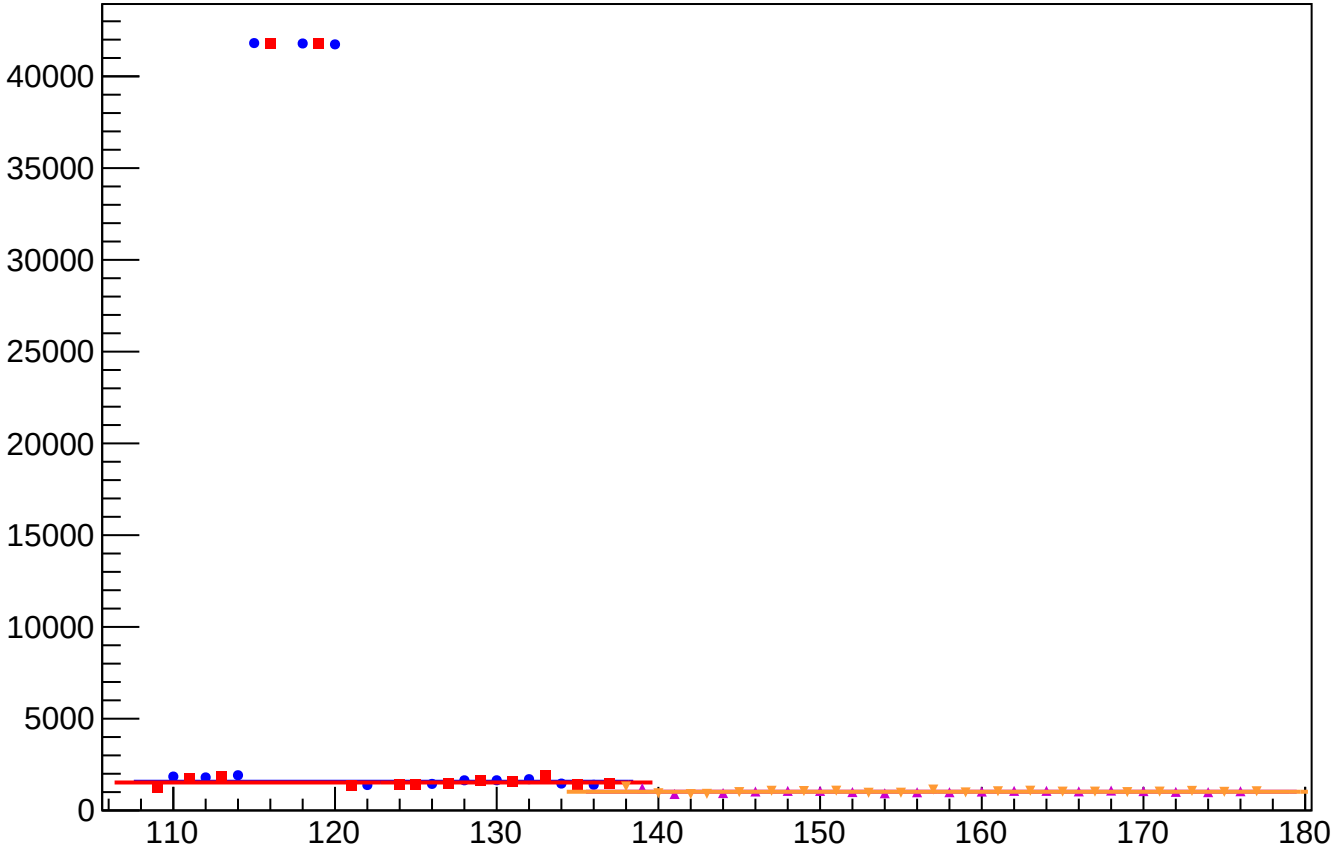
Left In: 0.228+/-0.260 χ^2/NDF:27.2/18

+ sign -0.374+/-0.237 χ^2/NDF: 47.0/33

All: -0.061+/-0.170 χ^2/NDF: 90.7/66

- sign 0.269+/-0.244 χ^2/NDF: 40.1/32

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1019.057+/-0.177 χ^2/NDF:182303.5/20

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

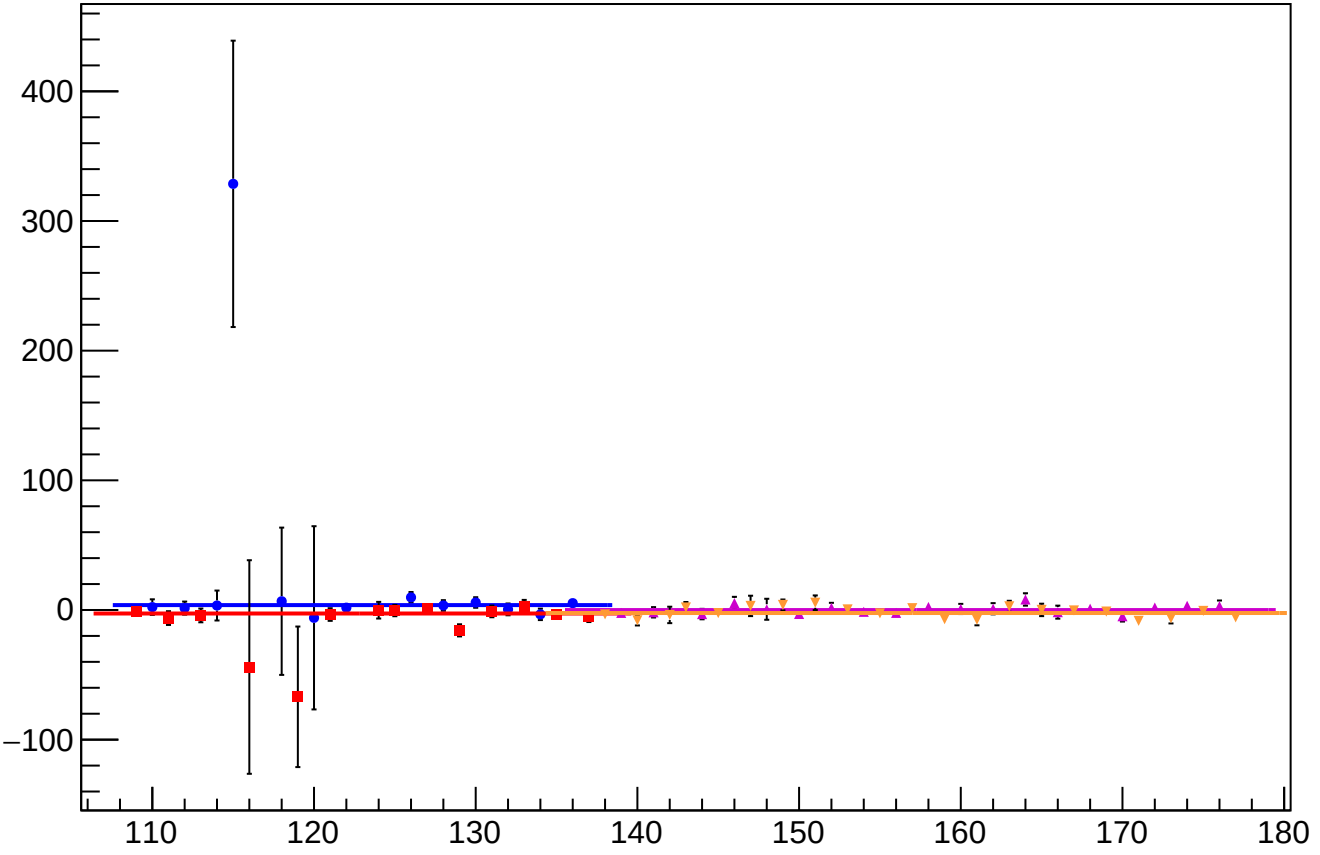
Left In: 1020.095+/-0.184 χ^2/NDF:125650.6/18

+ sign 1076.202+/-0.168 χ^2/NDF: 3190742.9/33

All: 1077.325+/-0.120 χ^2/NDF: 5928040.7/66

- sign 1078.515+/-0.173 χ^2/NDF: 2737205.5/32

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.331+/-0.839 χ^2/NDF:19.2/20

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

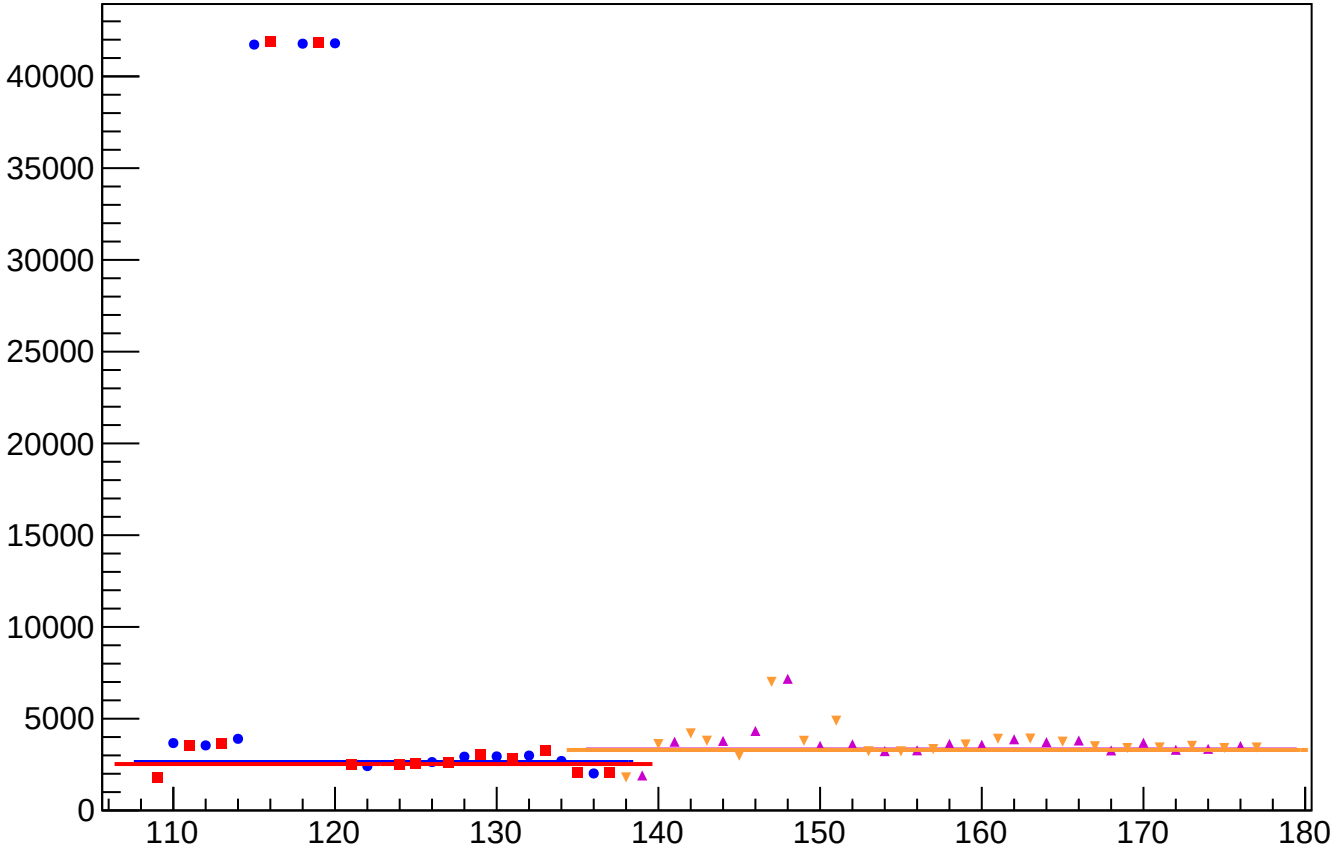
Left In: -0.057+/-0.873 χ^2/NDF:11.0/18

+ sign -0.430+/-0.697 χ^2/NDF: 50.8/33

All: -0.693+/-0.497 χ^2/NDF: 78.8/66

- sign -0.965+/-0.708 χ^2/NDF: 27.7/32

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3297.394+/-0.593 χ^2/NDF:1885112.3/20

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

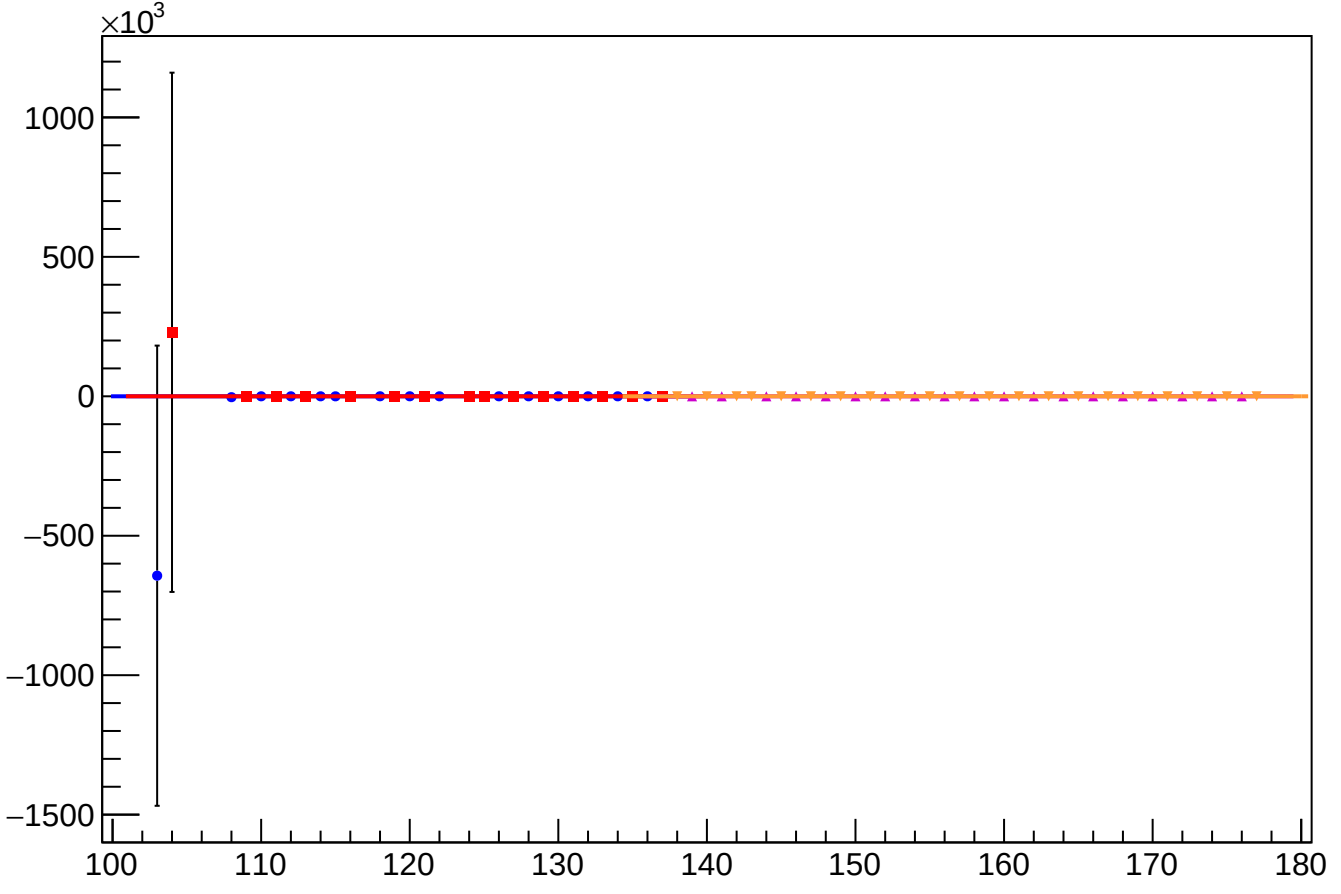
Left In: 3320.502+/-0.618 χ^2/NDF:1612731.7/18

+ sign 3092.727+/-0.493 χ^2/NDF: 4440561.9/33

All: 3071.574+/-0.351 χ^2/NDF: 8569066.4/66

- sign 3049.697+/-0.501 χ^2/NDF: 4124751.7/32

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.718+/-0.391 χ^2/NDF:46.6/20

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

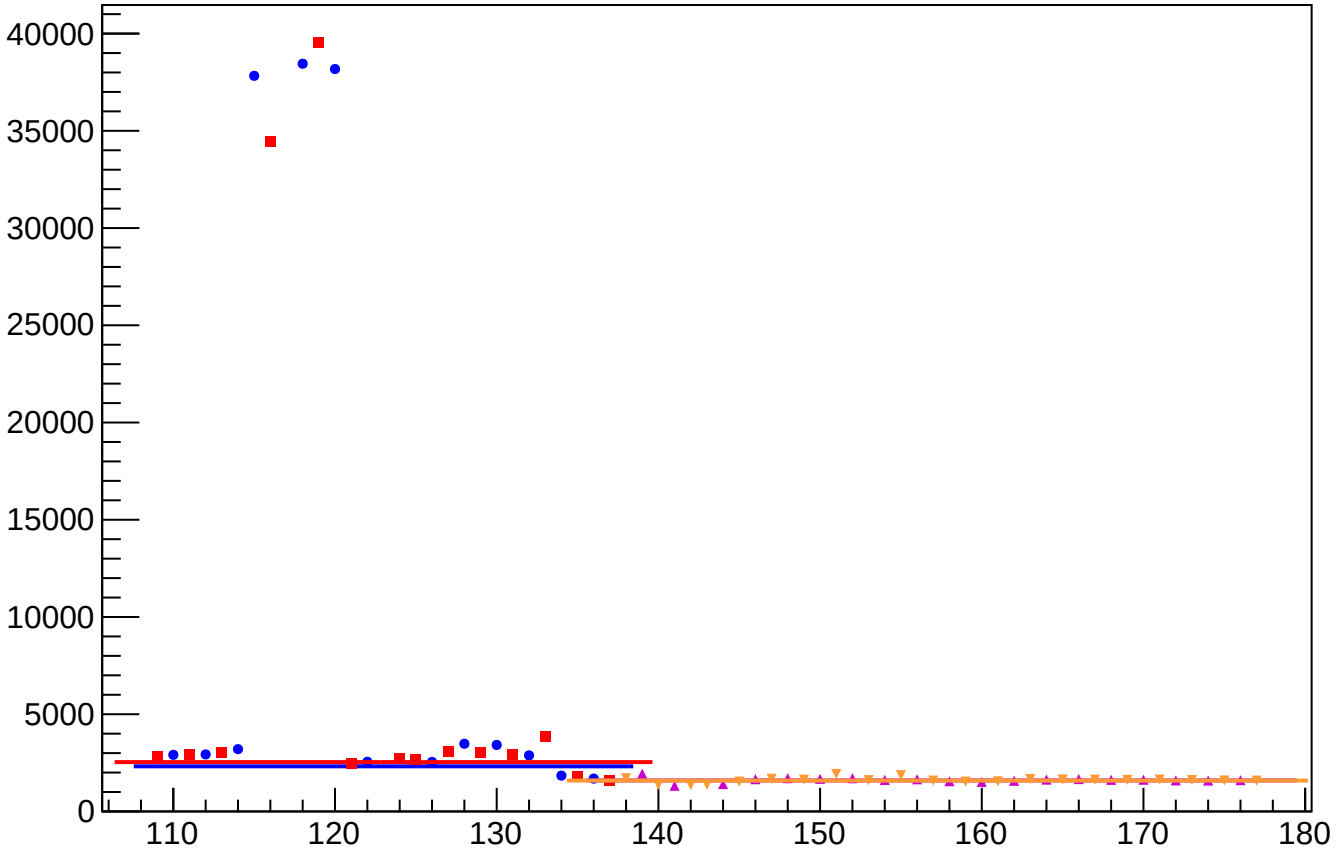
Left In: -0.185+/-0.407 χ^2/NDF:23.0/18

+ sign -1.664+/-0.369 χ^2/NDF: 65.5/35

All: -1.077+/-0.267 χ^2/NDF: 112.0/69

- sign -0.437+/-0.386 χ^2/NDF: 41.2/33

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.448+/-0.277 χ^2/NDF:230434.8/20

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

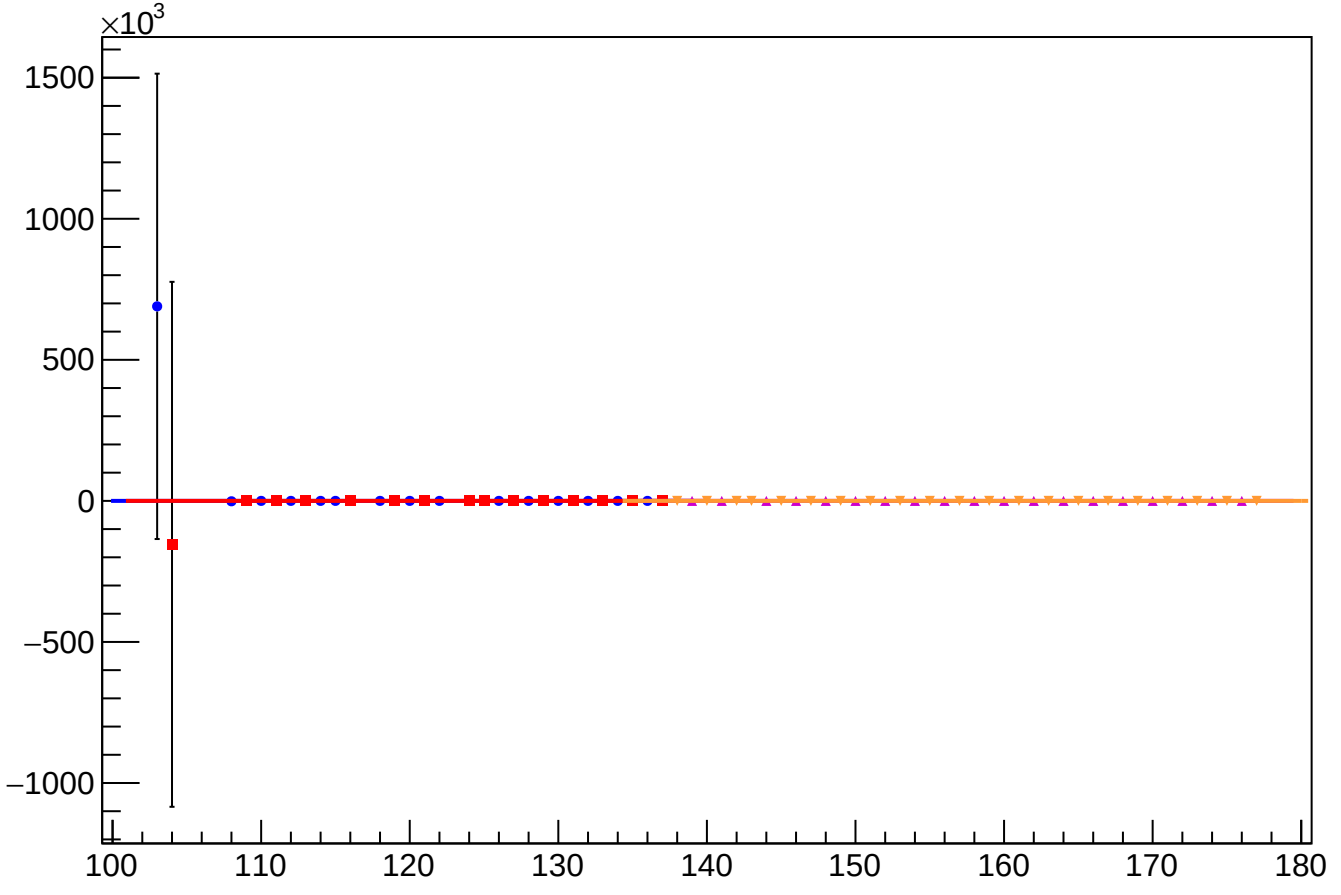
Left In: 1595.223+/-0.288 χ^2/NDF:196181.9/18

+ sign 1667.364+/-0.261 χ^2/NDF: 3446957.8/33

All: 1678.571+/-0.189 χ^2/NDF: 6773260.7/66

- sign 1690.781+/-0.273 χ^2/NDF: 3322458.3/32

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.123+/-0.541 χ^2/NDF:21.6/20

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

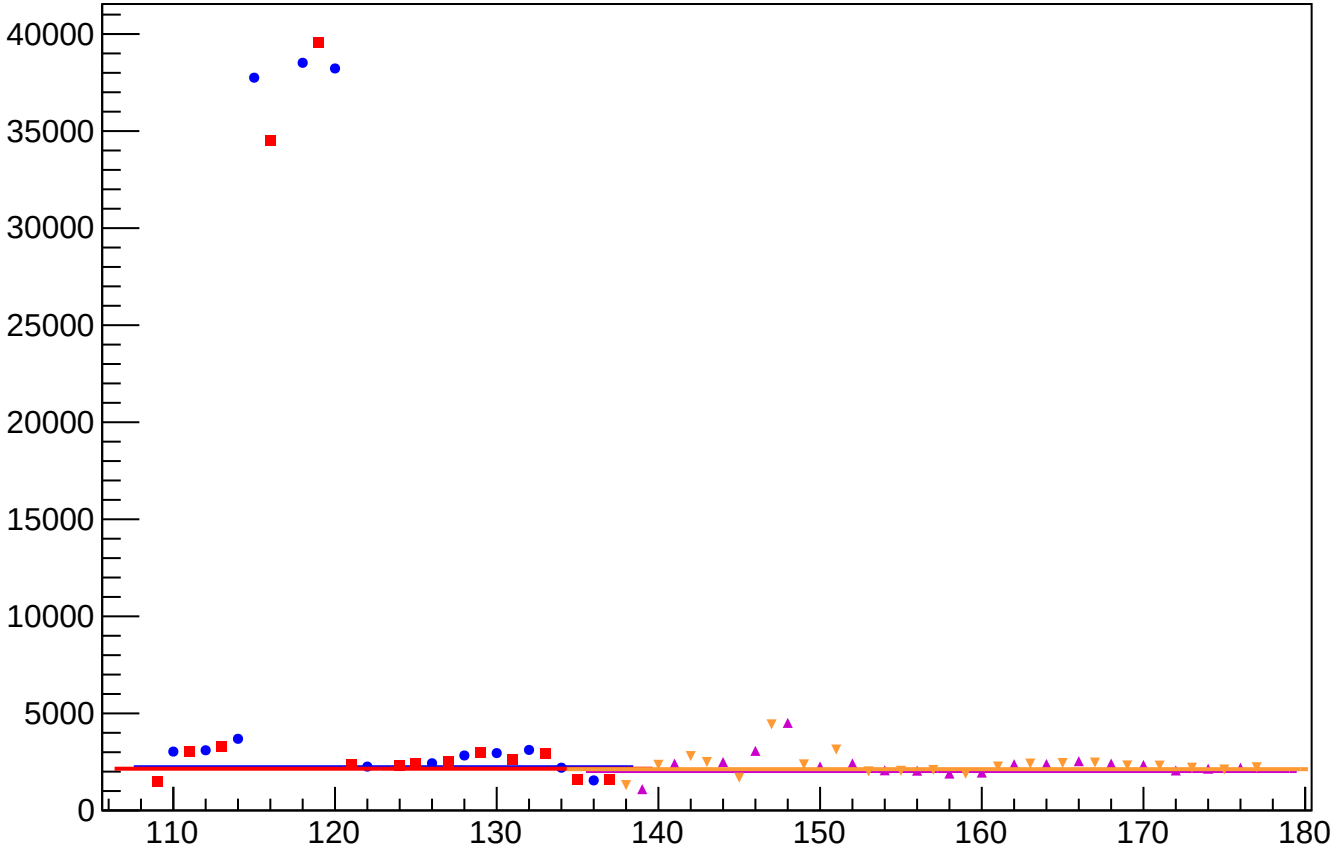
Left In: 0.200+/-0.541 χ^2/NDF:14.0/18

+ sign -0.552+/-0.484 χ^2/NDF: 32.2/35

All: -0.394+/-0.341 χ^2/NDF: 64.9/69

- sign -0.238+/-0.481 χ^2/NDF: 32.5/33

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2127.383+/-0.383 χ^2/NDF:1471040.5/20

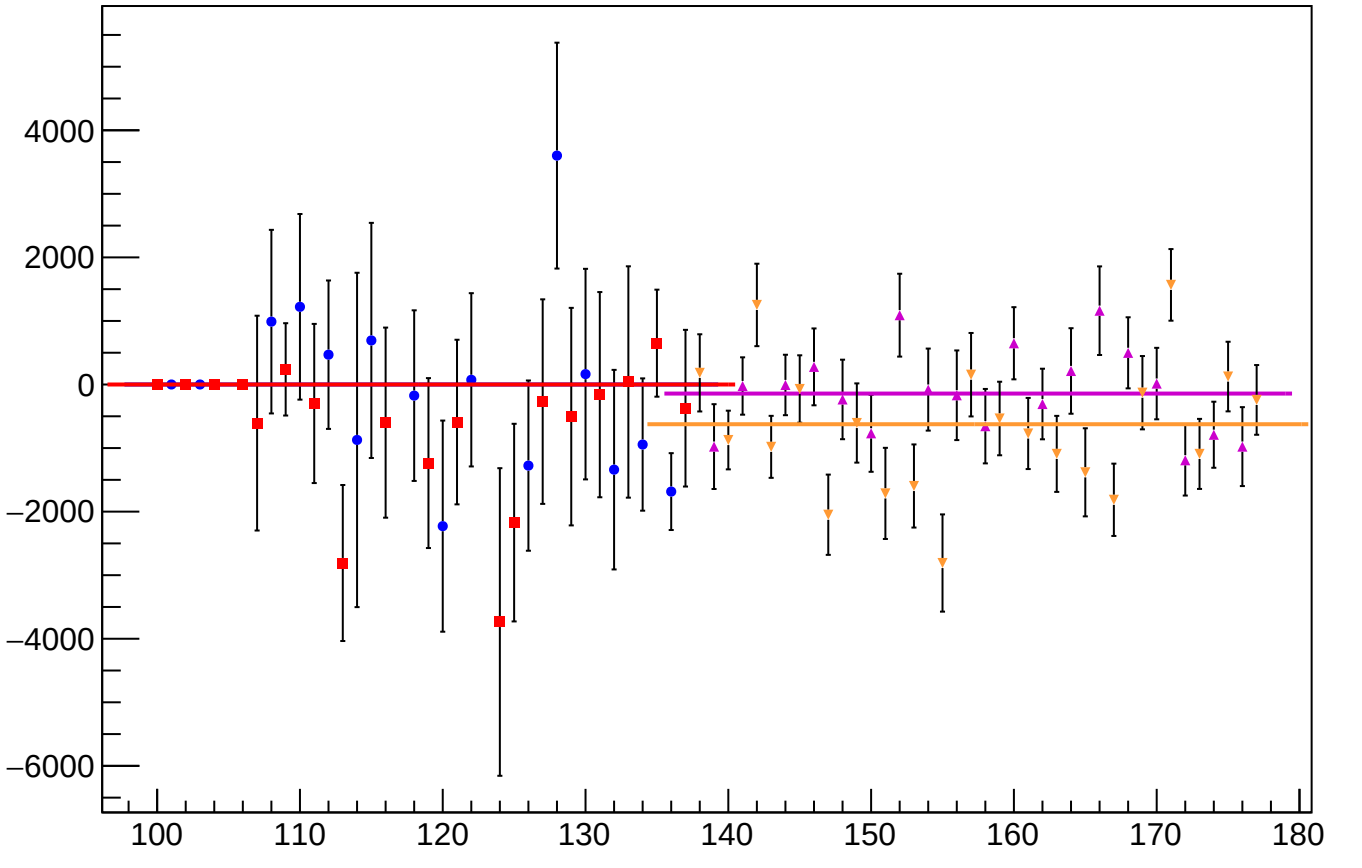
Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2031.823+/-0.383 χ^2/NDF:2258525.8/18

+ sign 2147.478+/-0.342 χ^2/NDF: 4006984.3/33

All: 2101.881+/-0.241 χ^2/NDF: 8552470.2/66

- sign 2056.736+/-0.340 χ^2/NDF: 4510099.0/32



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -624.782+/-127.837 χ^2/NDF:56.4/20

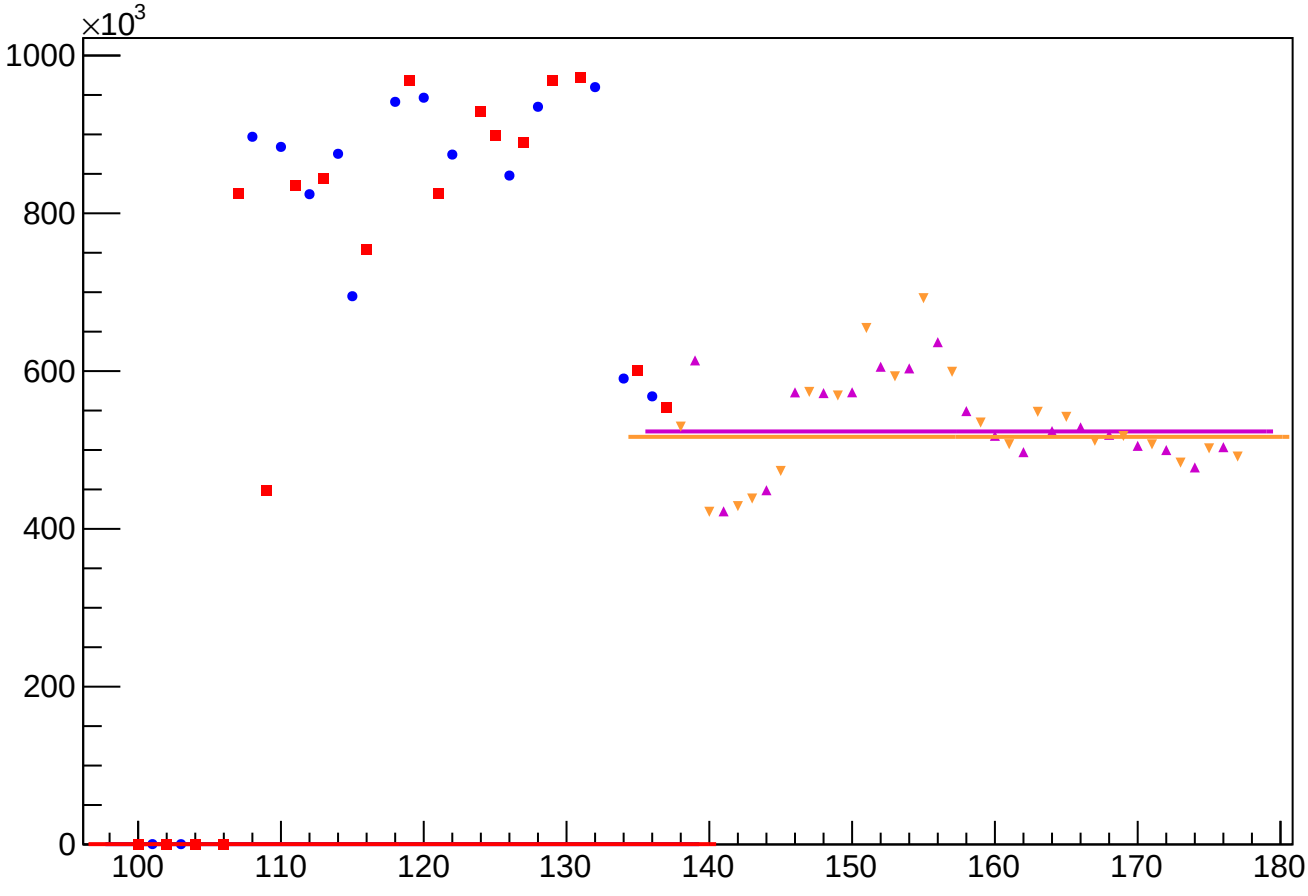
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -142.562+/-133.886 χ^2/NDF:21.8/18

\+ sign 0.251+/-0.356 χ^2/NDF: 98.1/36

All: 0.166+/-0.241 χ^2/NDF: 136.5/74

\- sign 0.095+/-0.328 χ^2/NDF: 38.3/37



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 516646.422+/-90.395 χ^2/NDF:480139.2/20

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

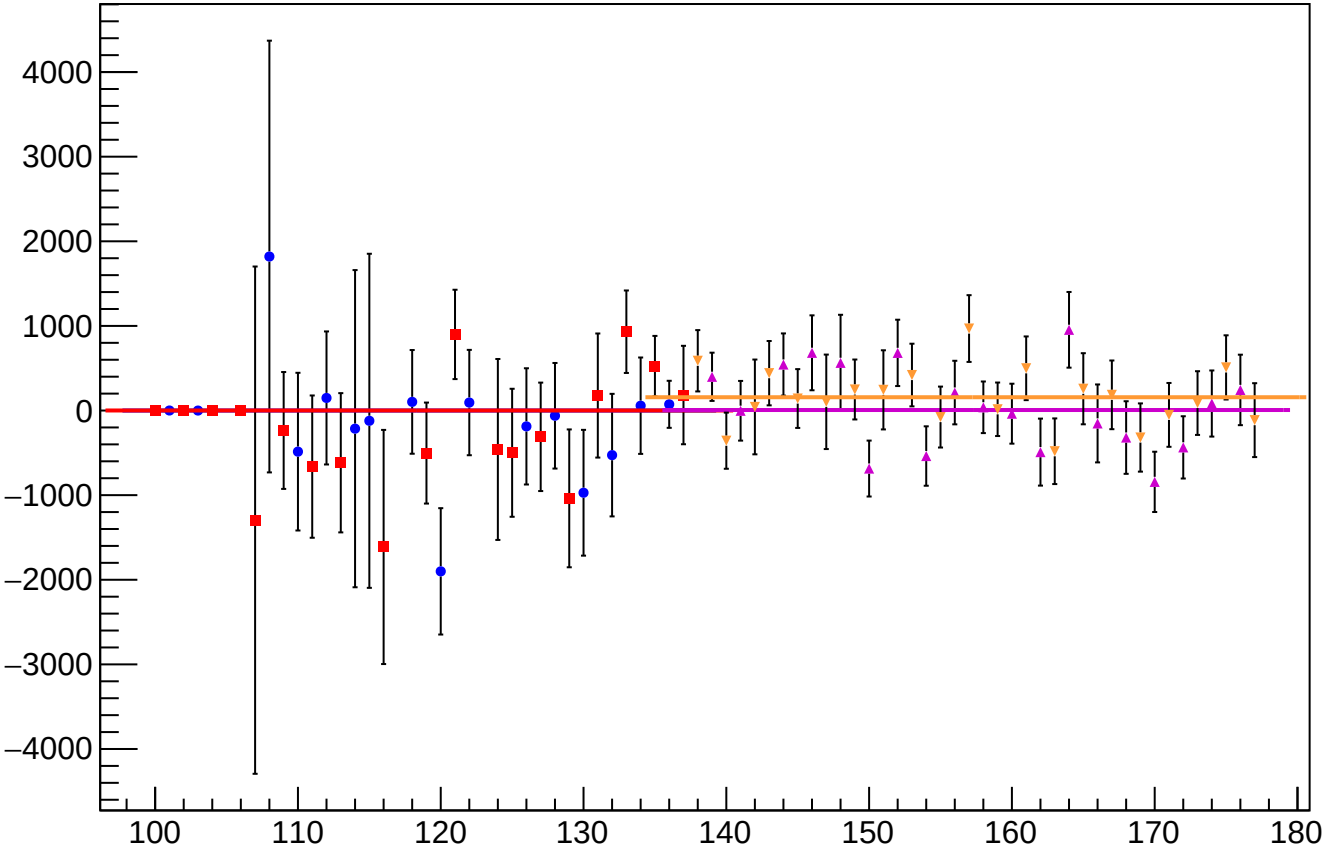
Left In: 523508.910+/-94.672 χ^2/NDF:370954.1/18

+ sign 402.877+/-0.251 χ^2/NDF: 41587655.8/35

All: 399.361+/-0.170 χ^2/NDF: 80139299.0/72

- sign 396.375+/-0.232 χ^2/NDF: 38551281.8/36

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 157.170+/-84.467 χ^2/NDF:16.5/20

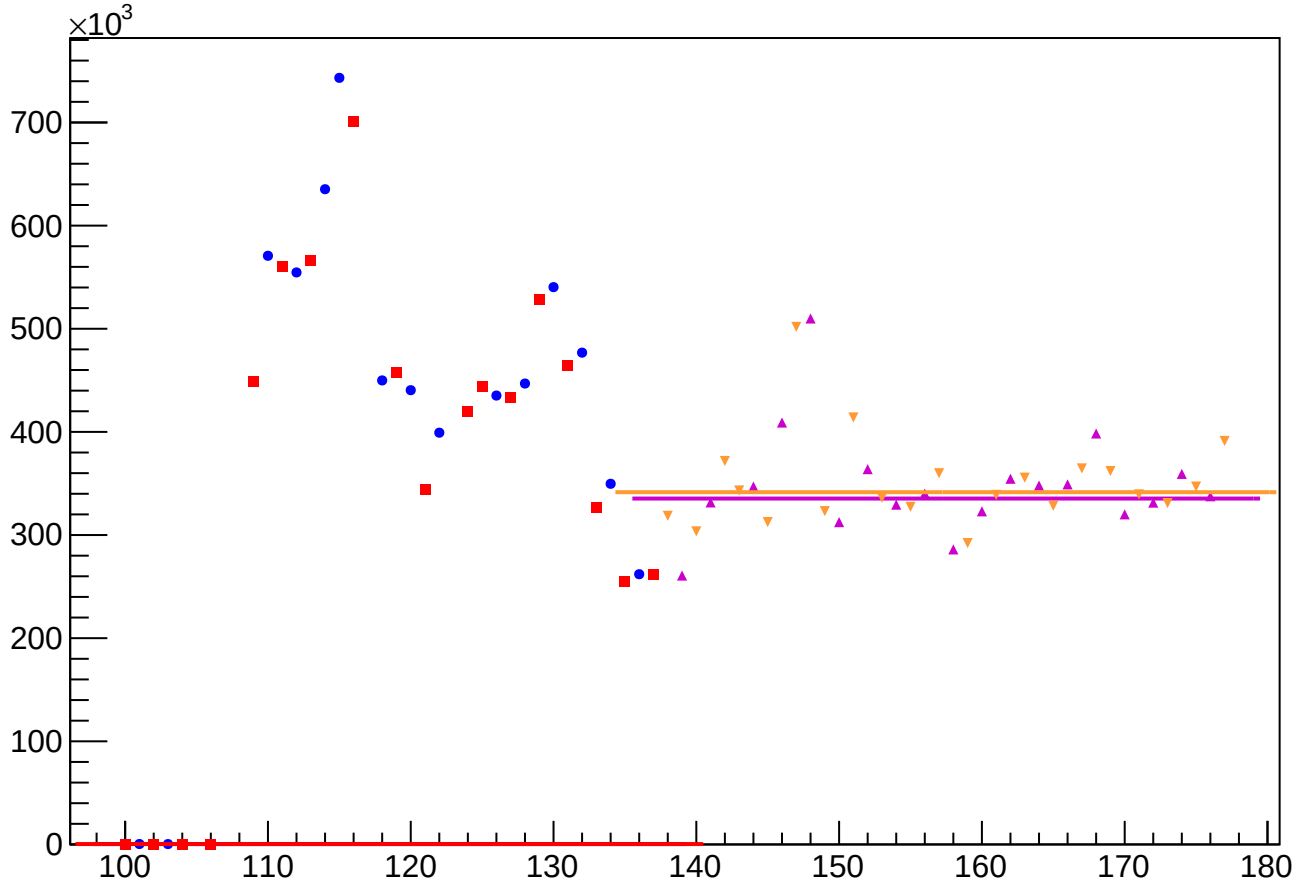
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 6.063+/-86.174 χ^2/NDF:31.7/18

+ sign -0.018+/-0.347 χ^2/NDF: 30.4/36

All: 0.312+/-0.237 χ^2/NDF: 78.8/74

- sign 0.599+/-0.324 χ^2/NDF: 46.7/37



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341538.424+/-59.727 χ^2/NDF:373077.3/20

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

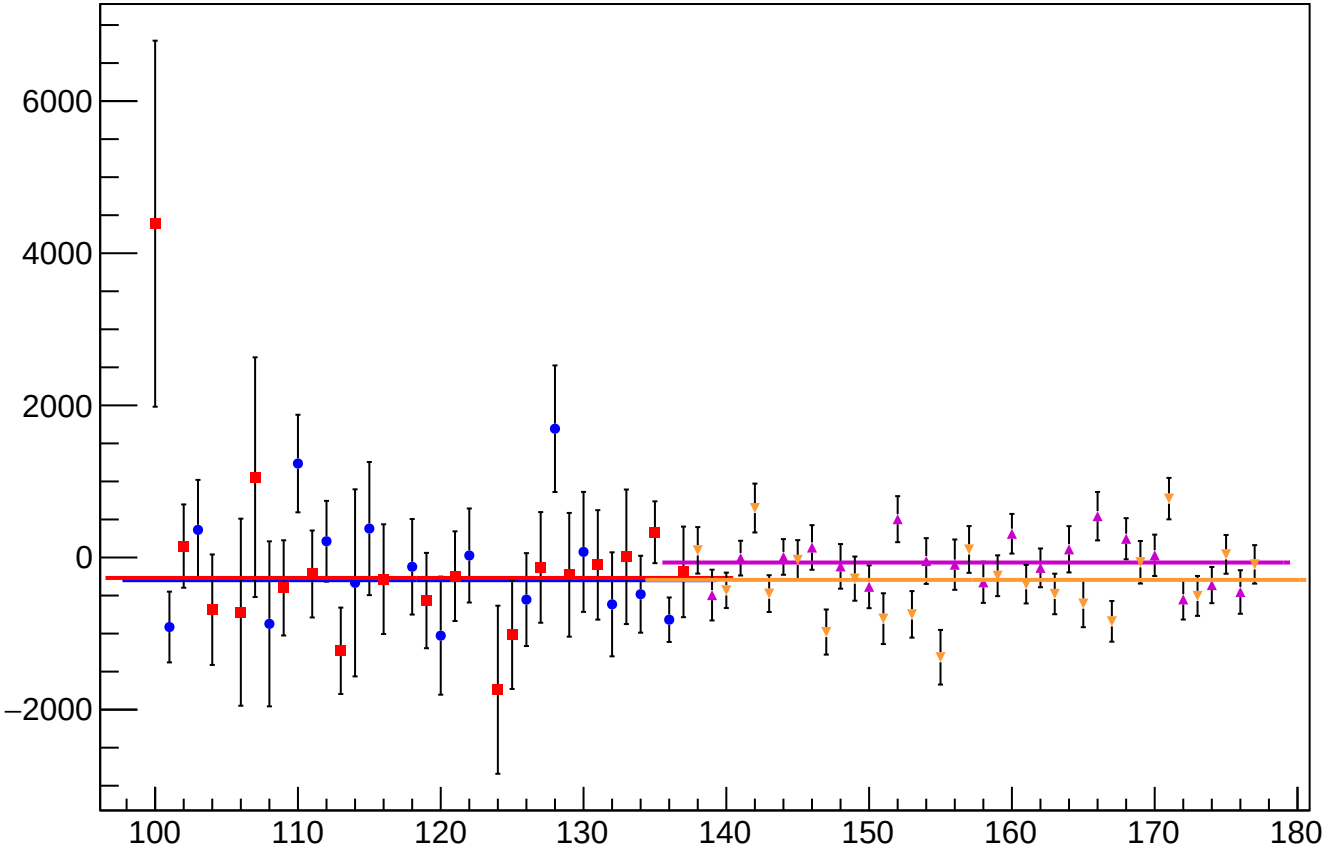
Left In: 335373.889+/-60.938 χ^2/NDF:522419.0/18

+ sign 396.037+/-0.245 χ^2/NDF: 44129102.8/35

All: 394.260+/-0.167 χ^2/NDF: 85944495.5/72

- sign 392.713+/-0.229 χ^2/NDF: 41815294.7/36

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -294.081+/-60.671 χ^2/NDF:56.6/20

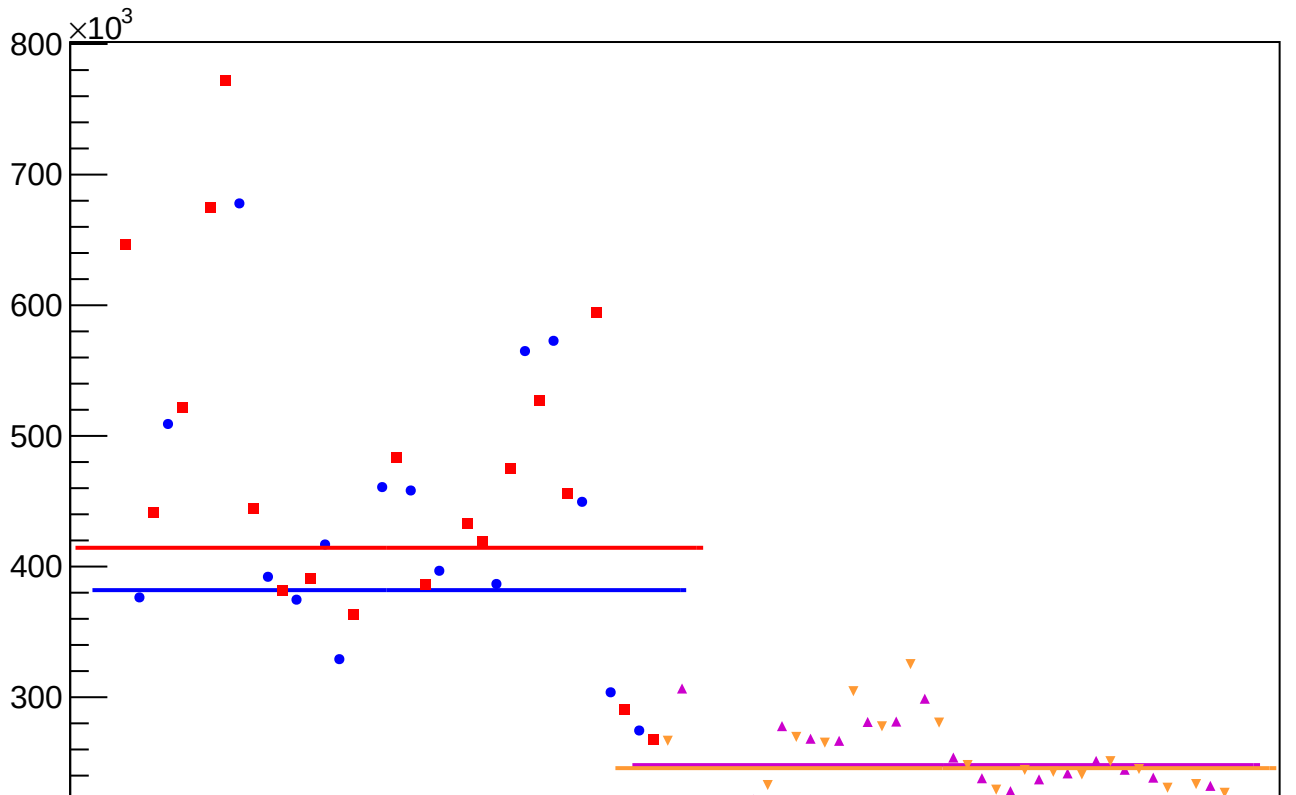
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -65.939+/-63.372 χ^2/NDF:22.4/18

+ sign -294.687+/-56.103 χ^2/NDF: 77.8/36

All: -199.196+/-40.572 χ^2/NDF: 121.6/74

- sign -94.504+/-58.744 χ^2/NDF: 37.7/37



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 245714.509+/-42.901 χ^2/NDF:365532.2/20

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

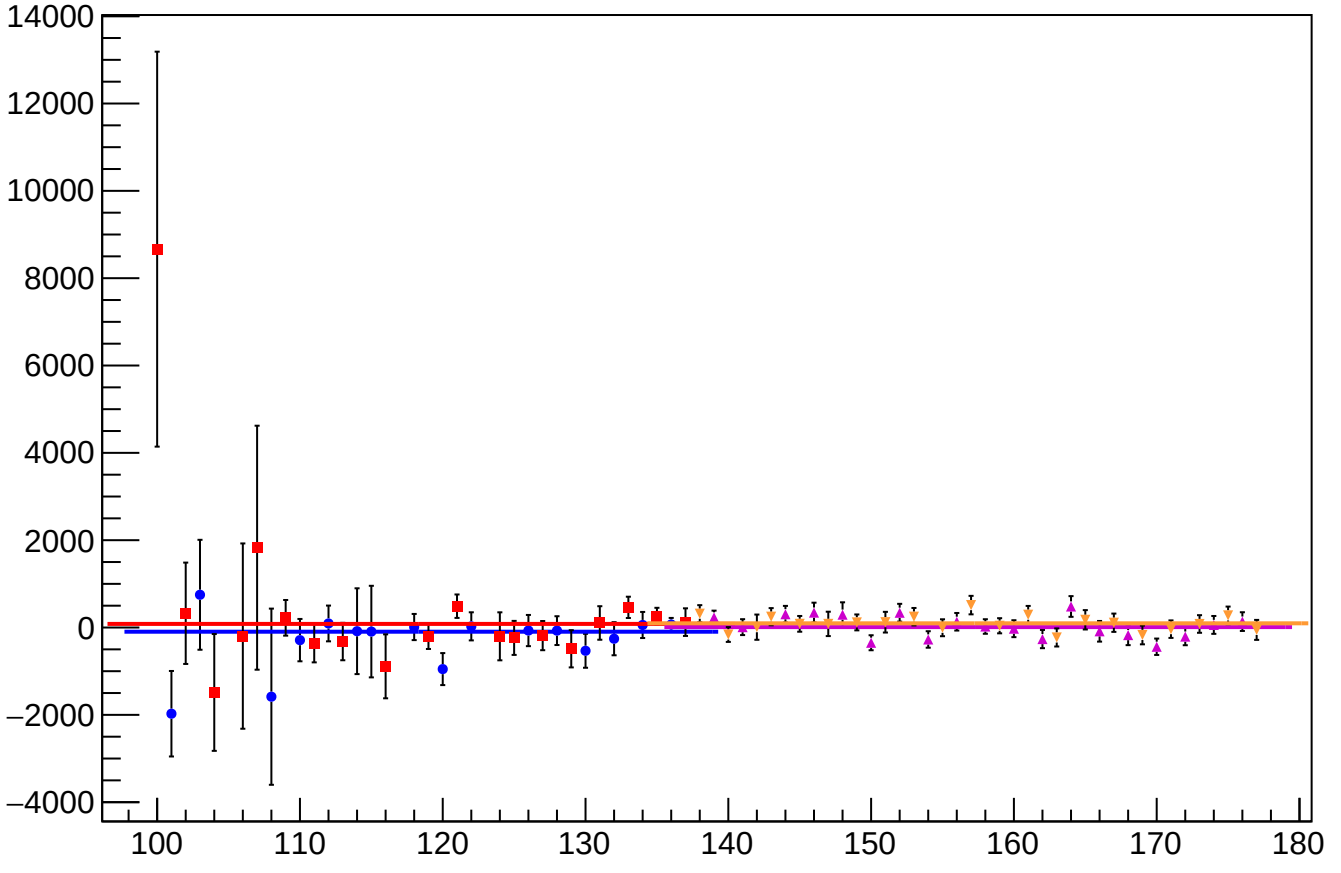
Left In: 248034.979+/-44.811 χ^2/NDF:325481.9/18

+ sign 265454.941+/-39.672 χ^2/NDF: 2663282.8/36

All: 268308.444+/-28.690 χ^2/NDF: 5698289.

- sign 271436.969+/-41.539 χ^2/NDF: 3024160.6/37

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 96.452+/-44.570 χ^2/NDF:15.9/20

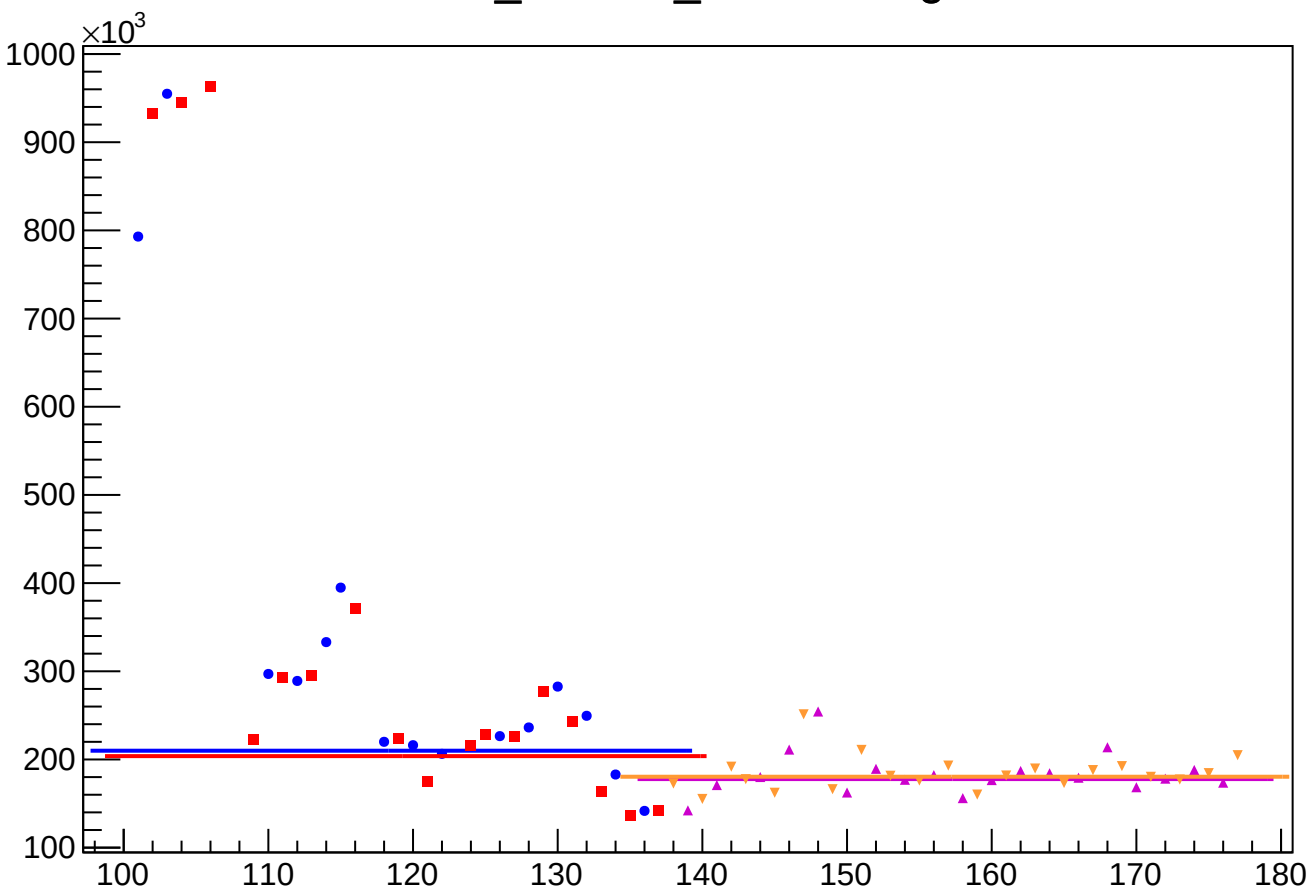
Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: 10.100+/-45.573 χ^2/NDF:31.0/18

+ sign 57.382+/-39.786 χ^2/NDF: 33.4/36

All: 41.761+/-28.348 χ^2/NDF: 84.3/74

- sign 25.654+/-40.401 χ^2/NDF: 50.7/37



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 180426.683+/-31.516 χ^2/NDF:319424.3/20

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

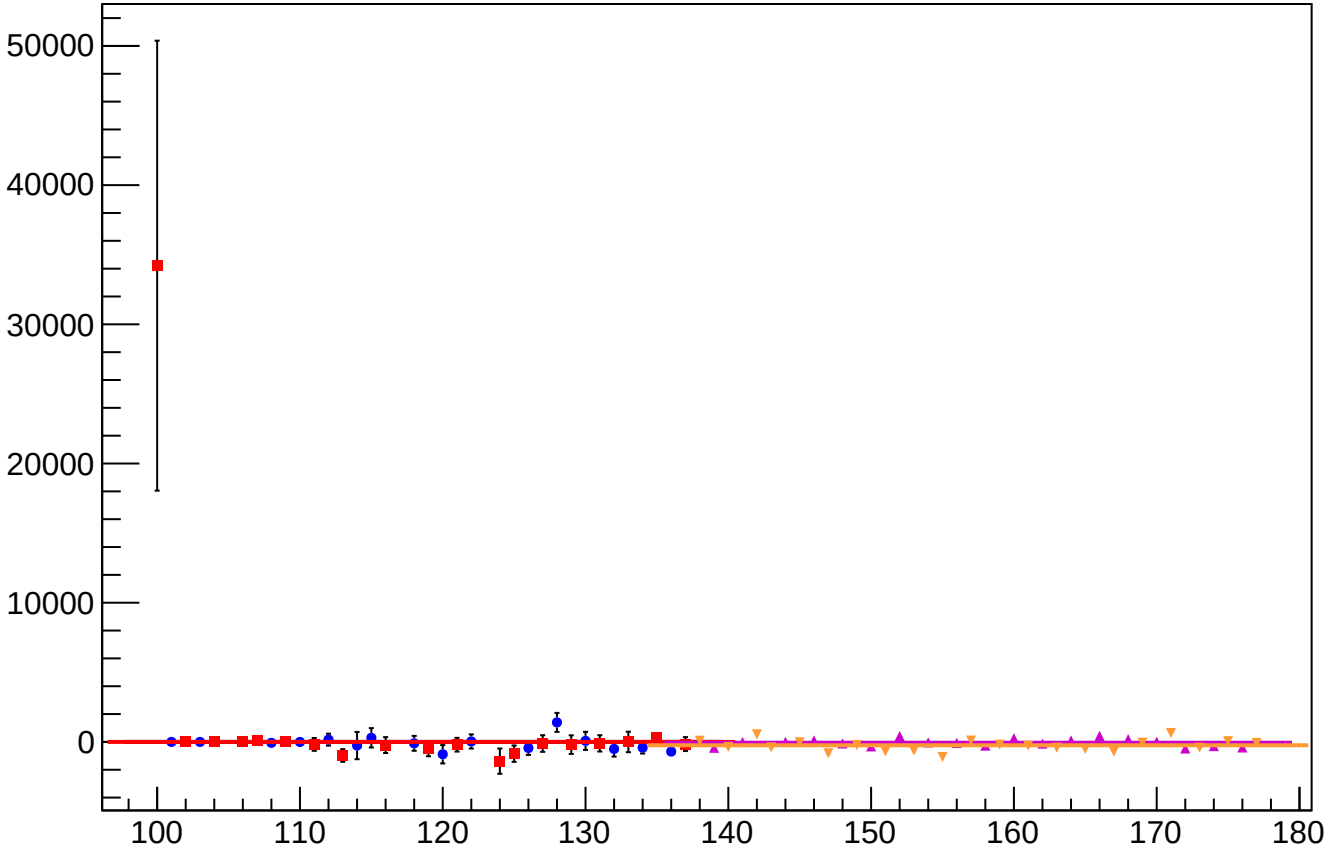
Left In: 177763.971+/-32.225 χ^2/NDF:419755.0/18

+ sign 186404.151+/-28.143 χ^2/NDF: 2456868.6/35

All: 184883.540+/-20.054 χ^2/NDF: 5092173.

- sign 183314.990+/-28.583 χ^2/NDF: 2629373.7/35

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -242.165+/-50.709 χ^2/NDF:56.5/20

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

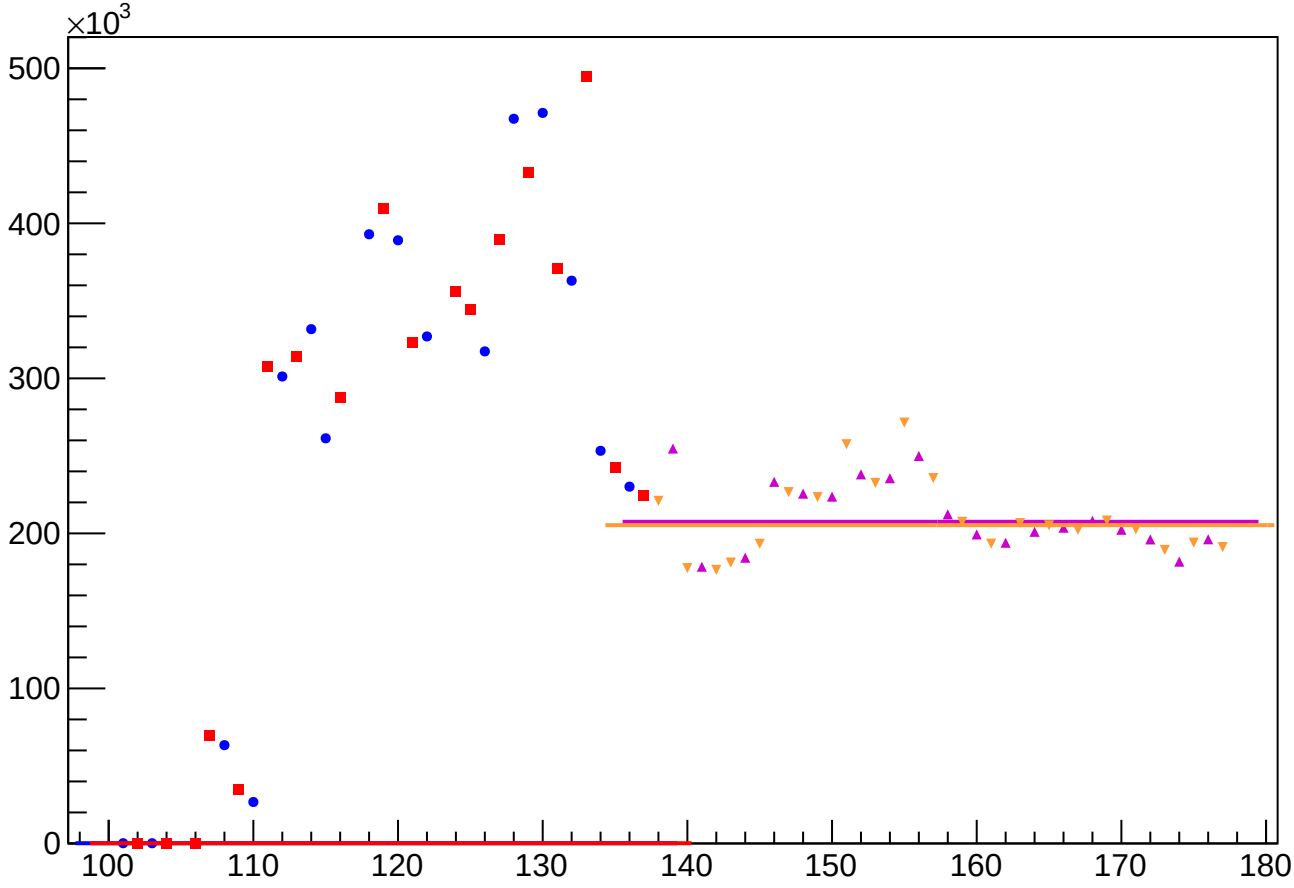
Left In: -58.225+/-53.017 χ^2/NDF:22.6/18

+ sign -0.038+/-0.172 χ^2/NDF: 97.5/36

All: -0.208+/-0.117 χ^2/NDF: 139.5/74

- sign -0.356+/-0.160 χ^2/NDF: 40.3/37

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 205310.920+/-35.857 χ^2/NDF:381276.0/20

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

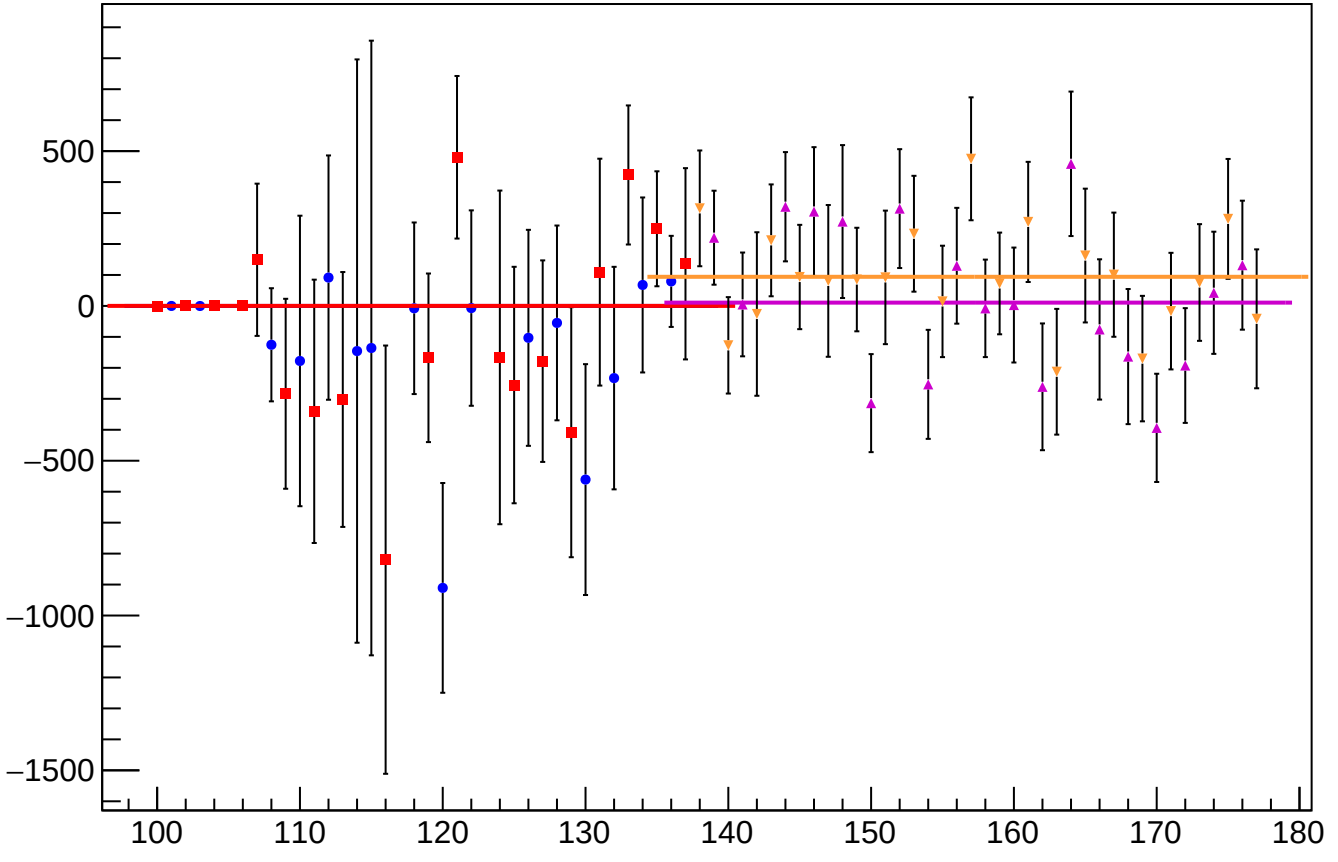
Left In: 207477.740+/-37.489 χ^2/NDF:333071.6/18

+ sign 151.460+/-0.122 χ^2/NDF: 44420550.4/36

All: 151.358+/-0.083 χ^2/NDF: 86627739.8/73

- sign 151.270+/-0.113 χ^2/NDF: 42207188.1/36

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 94.057+/-41.878 χ^2/NDF:15.1/20

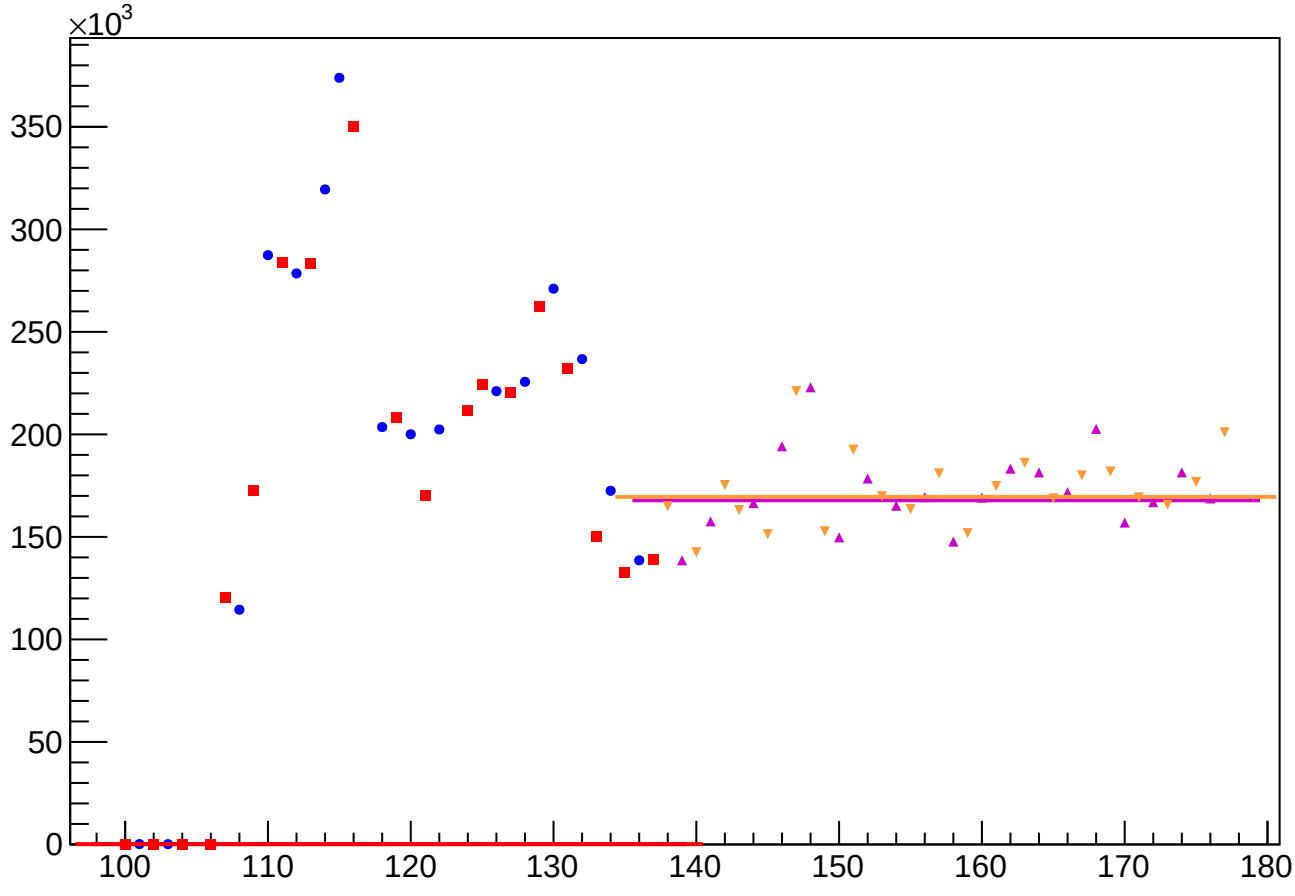
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 10.640+/-42.988 χ^2/NDF:30.7/18

\+ sign -0.066+/-0.177 χ^2/NDF: 31.3/36

All: 0.036+/-0.121 χ^2/NDF: 77.9/74

\- sign 0.126+/-0.166 χ^2/NDF: 45.9/37



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 169525.379+/-29.612 χ^2/NDF:322571.5/20

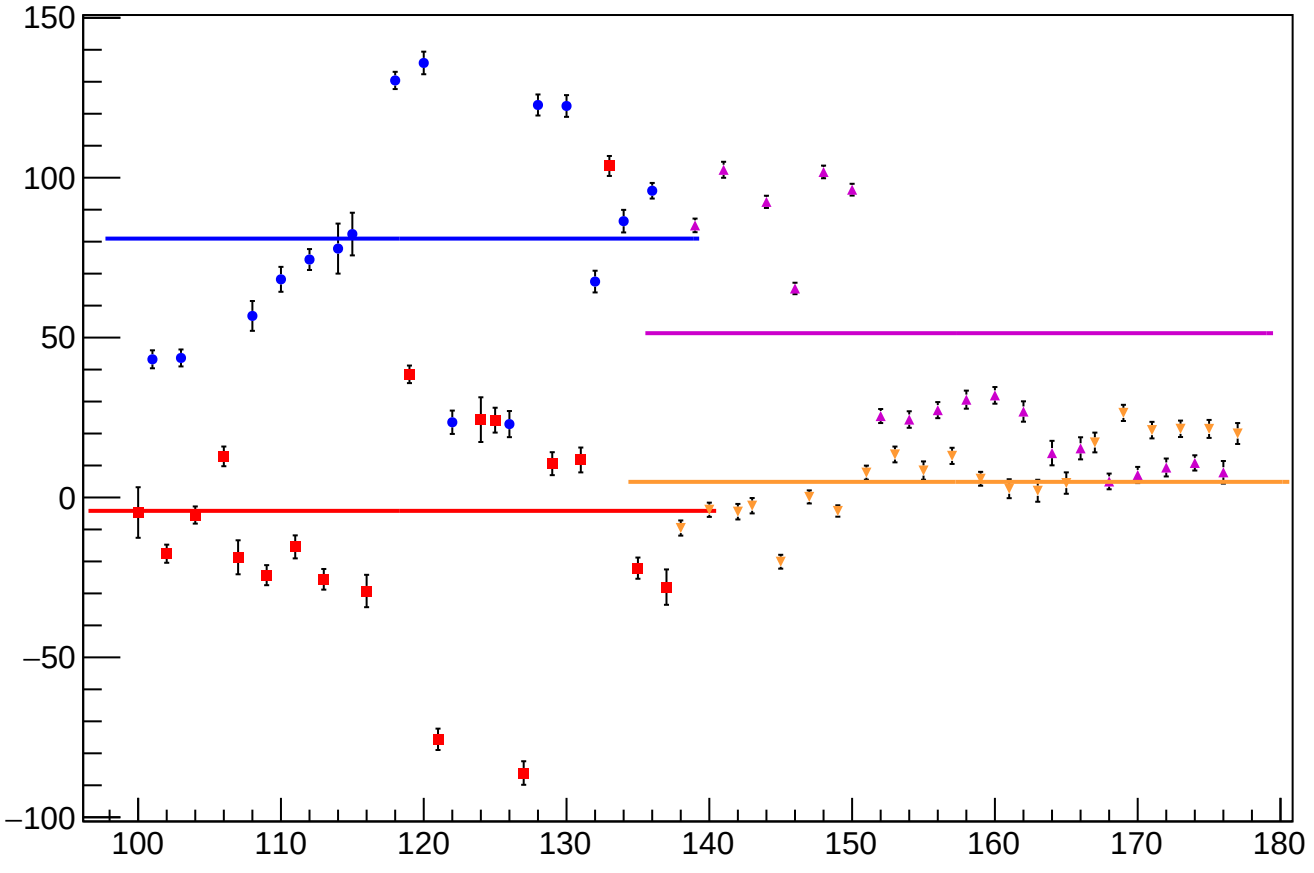
Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 167864.543+/-30.397 χ^2/NDF:366340.5/18

+ sign 156.494+/-0.125 χ^2/NDF: 44941623.6/36

All: 157.651+/-0.086 χ^2/NDF: 87079023.3/74

- sign 158.673+/-0.118 χ^2/NDF: 42137239.0/37



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 4.886+/-0.541 χ^2/NDF:493.3/20

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

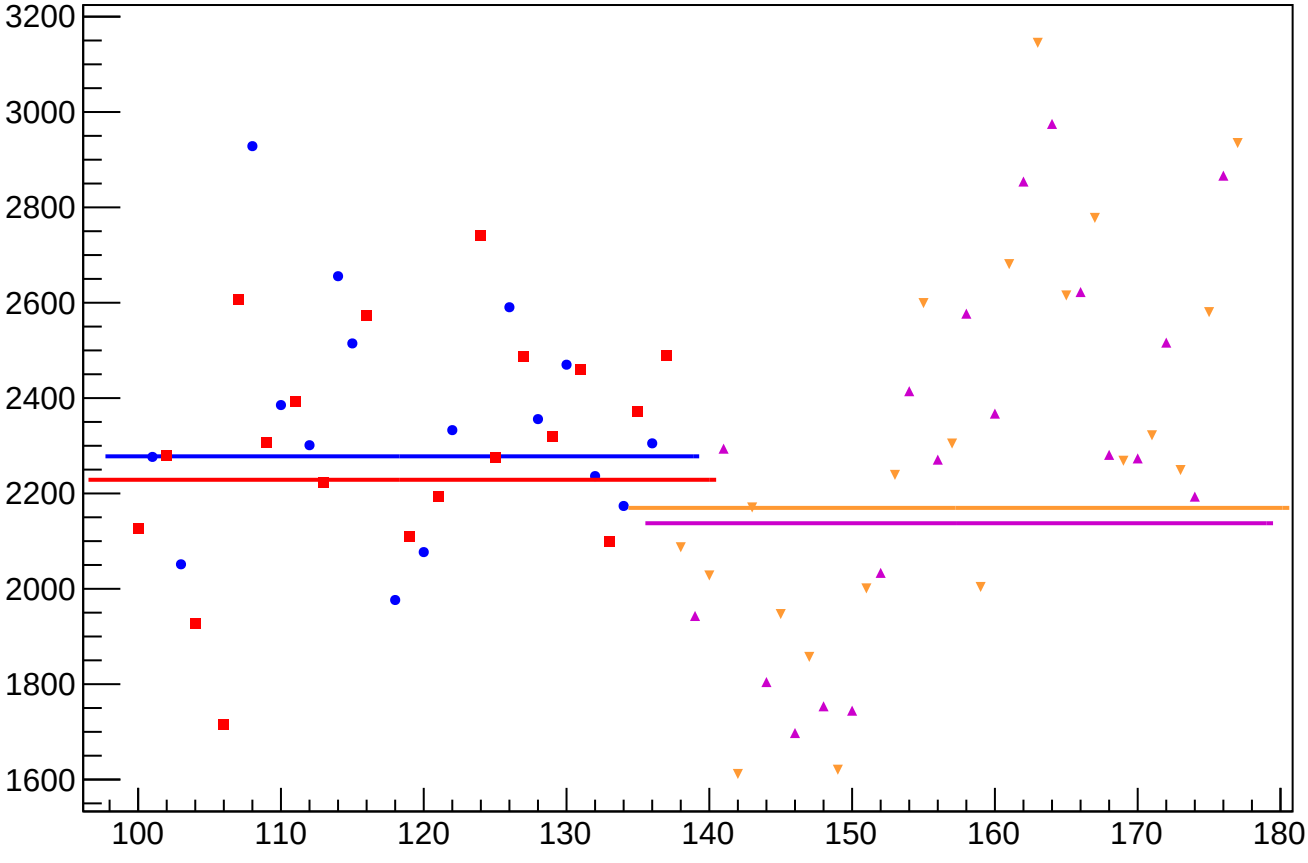
Left In: 51.376+/-0.554 χ^2/NDF:4475.4/18

\+ sign 26.742+/-0.456 χ^2/NDF: 7995.6/36

All: 30.337+/-0.324 χ^2/NDF: 18467.4/74

\- sign 33.973+/-0.459 χ^2/NDF: 10347.0/37

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2169.743+/-0.382 χ^2/NDF:948086.3/20

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

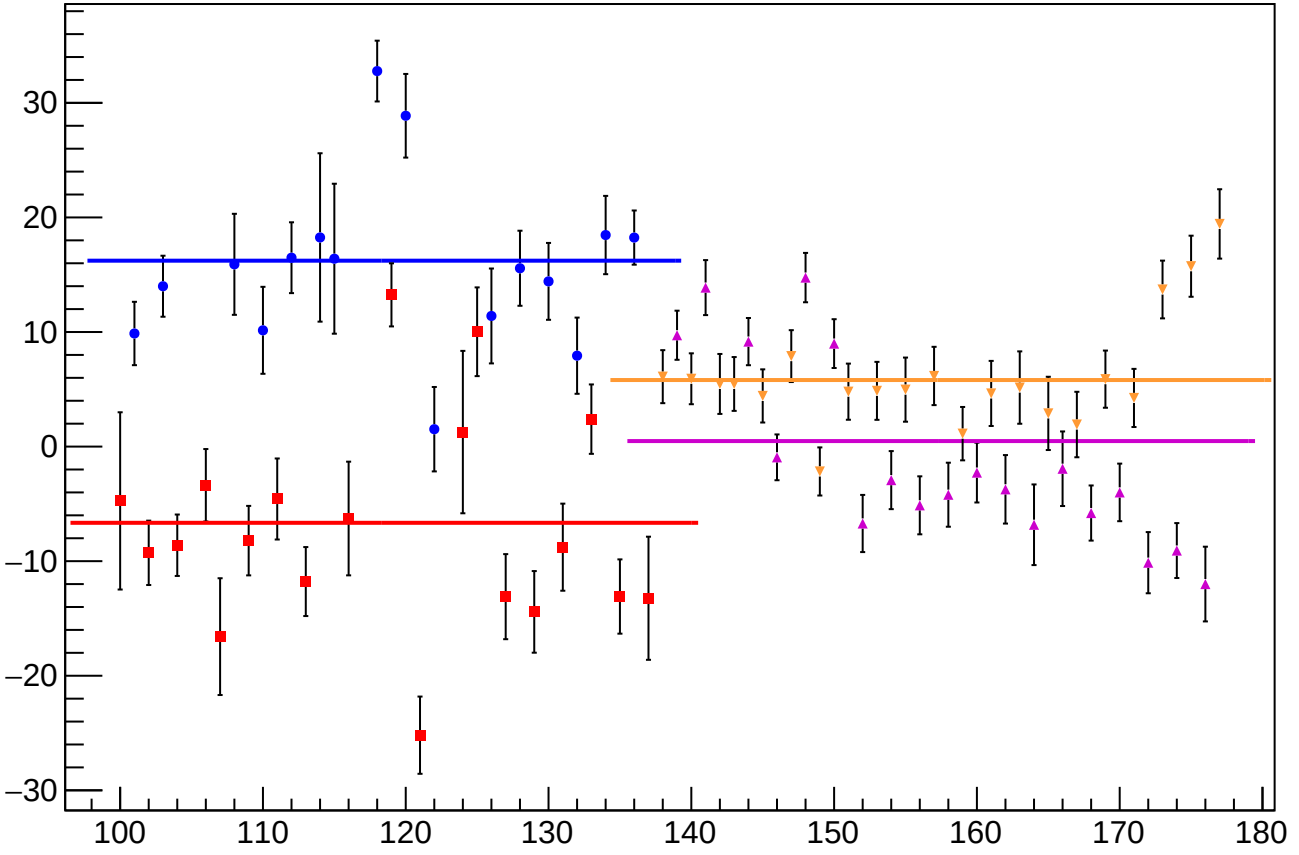
Left In: 2137.544+/-0.392 χ^2/NDF:840841.9/18

+ sign 2200.809+/-0.323 χ^2/NDF: 1086842.9/36

All: 2183.550+/-0.229 χ^2/NDF: 2101538.5/74

- sign 2166.094+/-0.325 χ^2/NDF: 1008942.9/37

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.809+/-0.552 χ^2/NDF:67.4/20

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

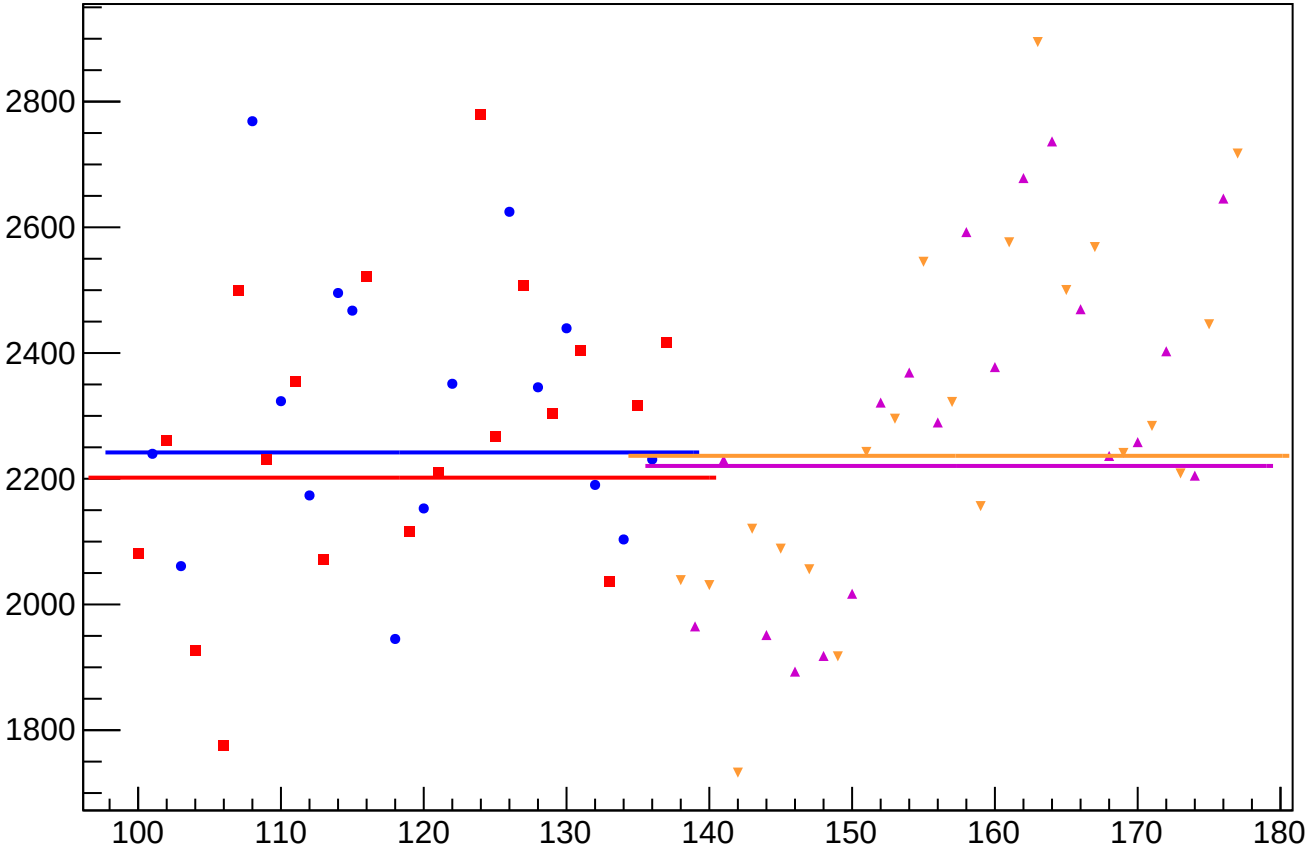
Left In: 0.481+/-0.569 χ^2/NDF:209.9/18

+ sign 8.963+/-0.461 χ^2/NDF: 259.8/36

All: 3.596+/-0.328 χ^2/NDF: 930.2/74

- sign -1.879+/-0.466 χ^2/NDF: 396.5/37

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2236.469+/-0.390 χ^2/NDF:427734.7/20

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

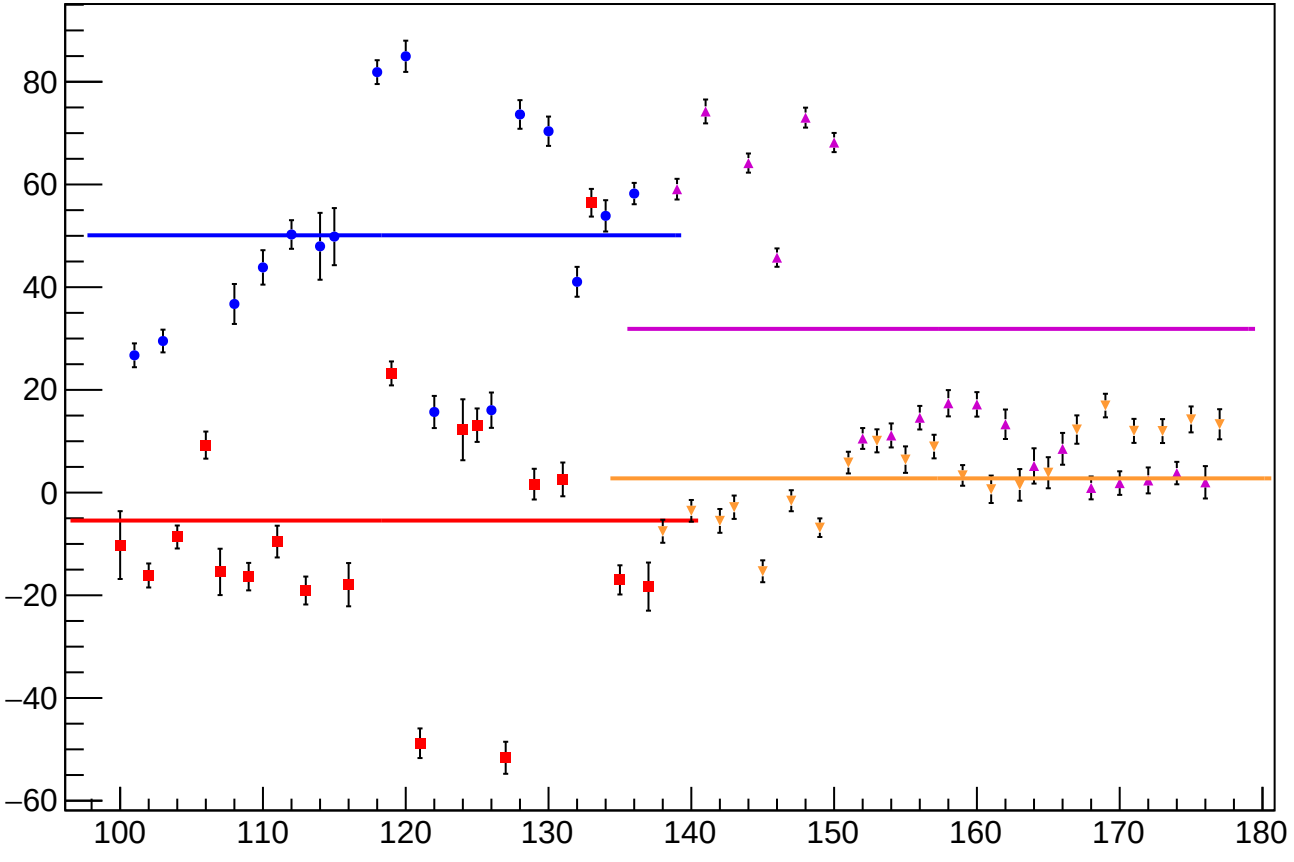
Left In: 2220.376+/-0.402 χ^2/NDF:373754.9/18

+ sign 2238.099+/-0.326 χ^2/NDF: 530053.0/36

All: 2226.273+/-0.232 χ^2/NDF: 1037059.8/74

- sign 2214.209+/-0.329 χ^2/NDF: 504347.2/37

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 2.769+/-0.507 χ^2/NDF:291.3/20

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

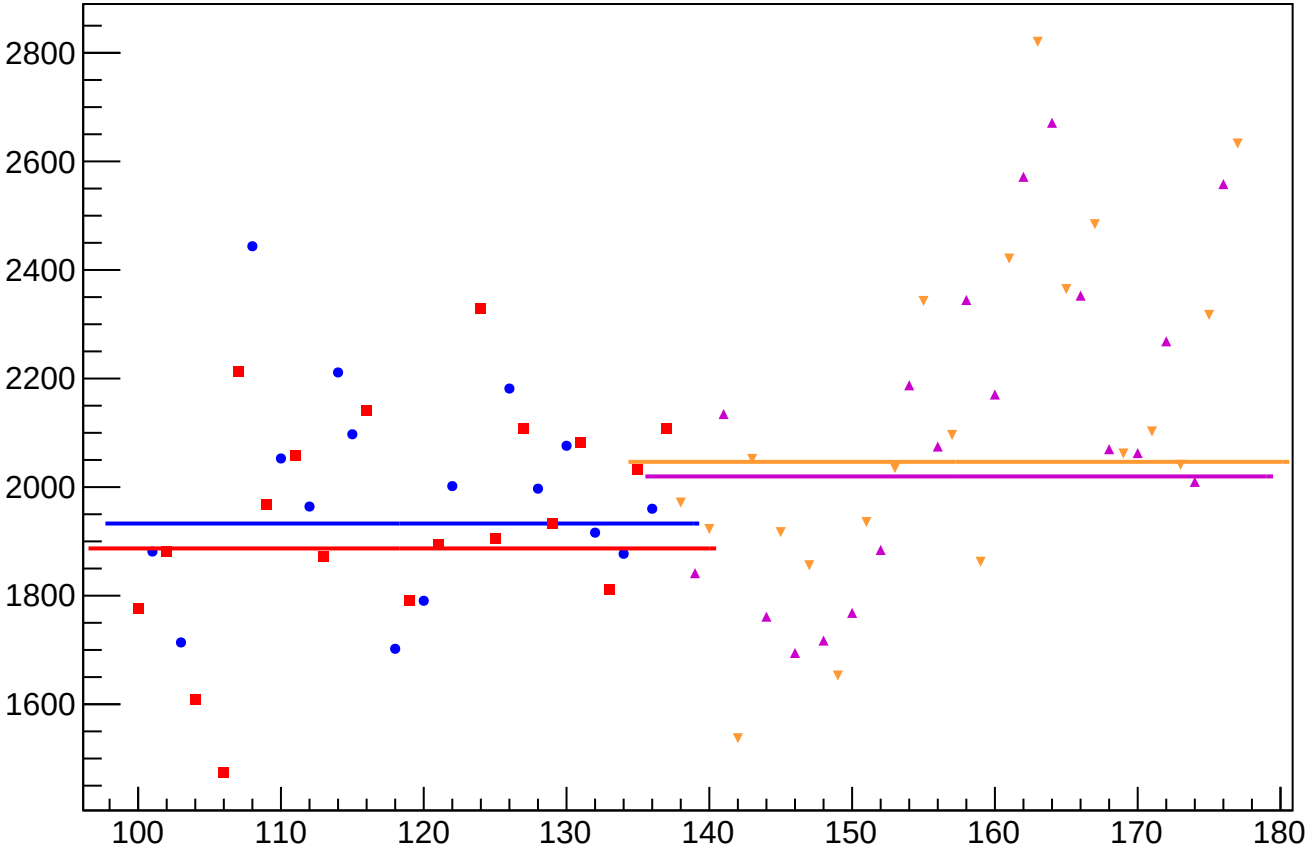
Left In: 31.882+/-0.520 χ^2/NDF:2930.4/18

\+ sign 18.396+/-0.415 χ^2/NDF: 4057.8/36

All: 18.428+/-0.294 χ^2/NDF: 10150.8/74

\- sign 18.460+/-0.416 χ^2/NDF: 6093.0/37

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2046.539+/-0.358 χ^2/NDF:616249.0/20

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

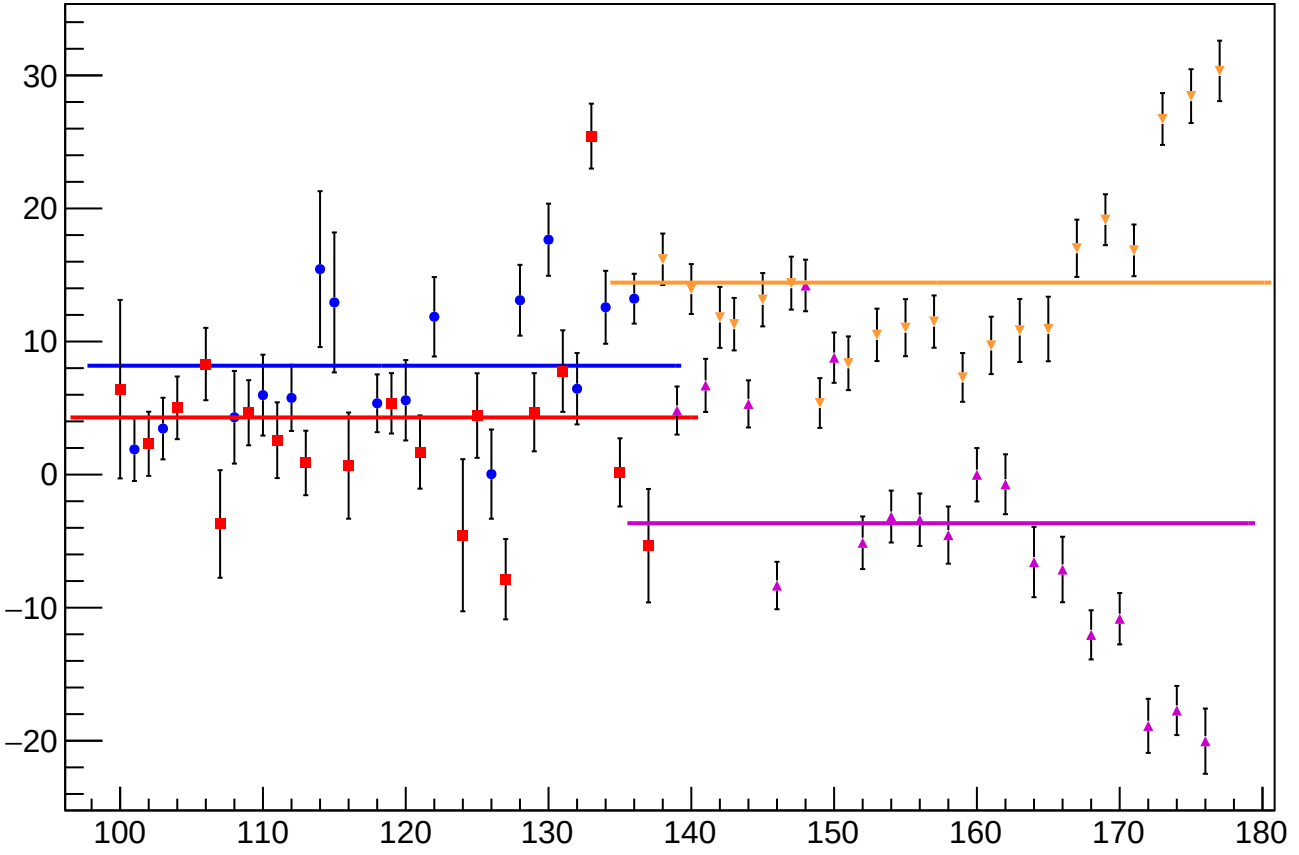
Left In: 2019.663+/-0.368 χ^2/NDF:518717.8/18

+ sign 2009.023+/-0.293 χ^2/NDF: 755391.1/36

All: 1990.555+/-0.208 χ^2/NDF: 1478569.7/74

- sign 1971.961+/-0.294 χ^2/NDF: 715226.7/37

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 14.428+/-0.444 χ^2/NDF:216.5/20

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

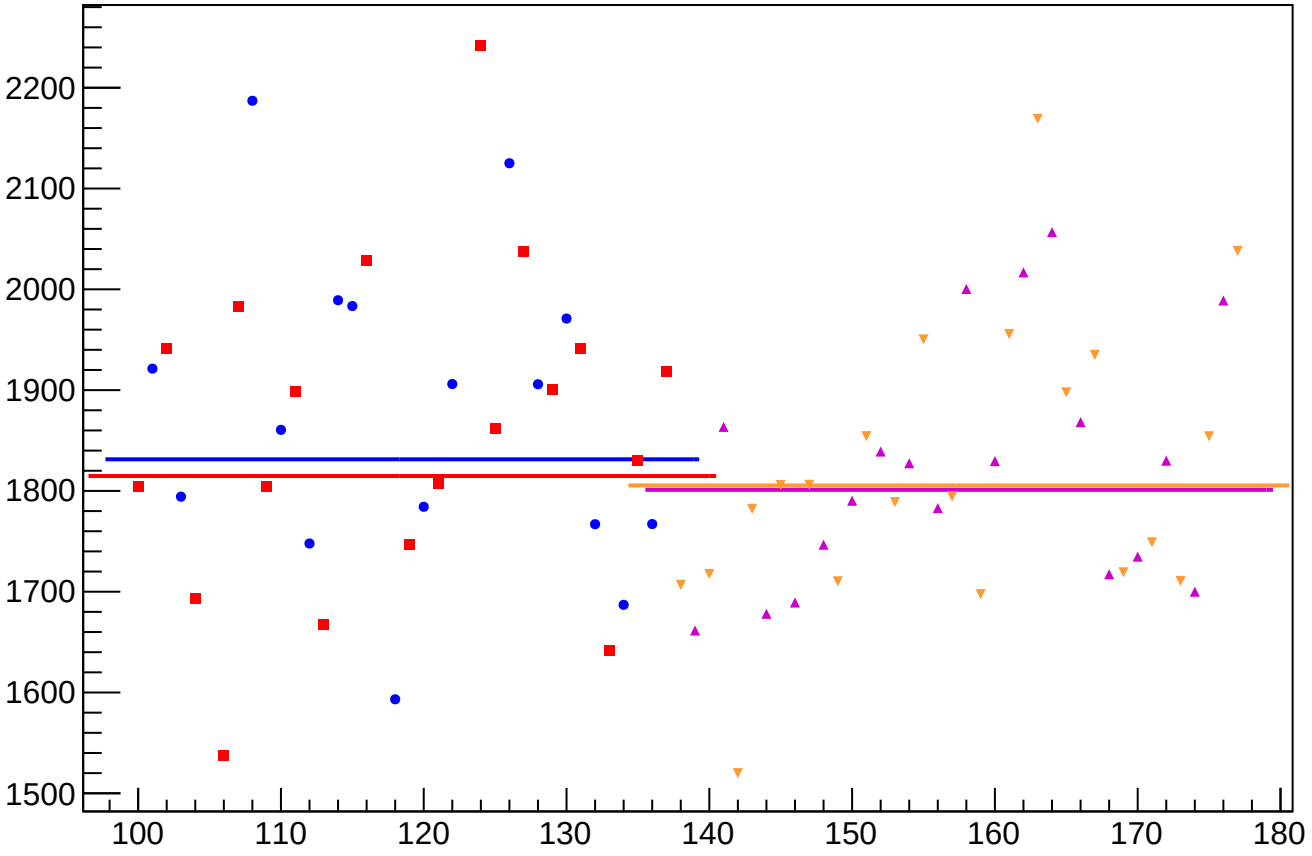
Left In: -3.652+/-0.459 χ^2/NDF:412.0/18

+ sign 12.578+/-0.372 χ^2/NDF: 327.2/36

All: 5.849+/-0.265 χ^2/NDF: 1614.1/74

- sign -1.089+/-0.378 χ^2/NDF: 622.6/37

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1805.459+/-0.314 χ^2/NDF:163278.7/20

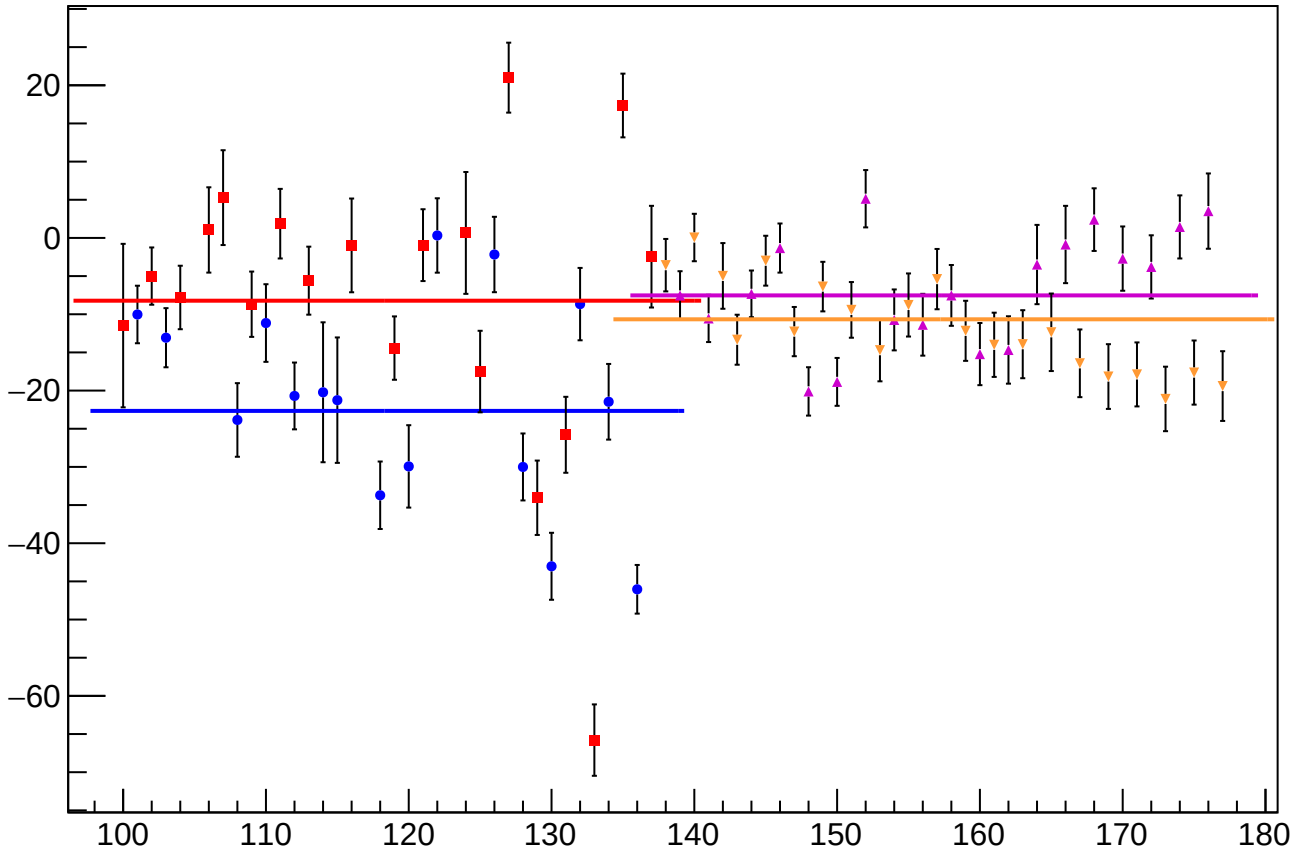
Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1801.080+/-0.325 χ^2/NDF:115087.5/18

\+ sign 1813.133+/-0.263 χ^2/NDF: 252218.4/36

All: 1809.373+/-0.187 χ^2/NDF: 459033.5/74

\- sign 1805.495+/-0.267 χ^2/NDF: 206400.1/37



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.662+/-0.841 χ^2/NDF:50.9/20

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

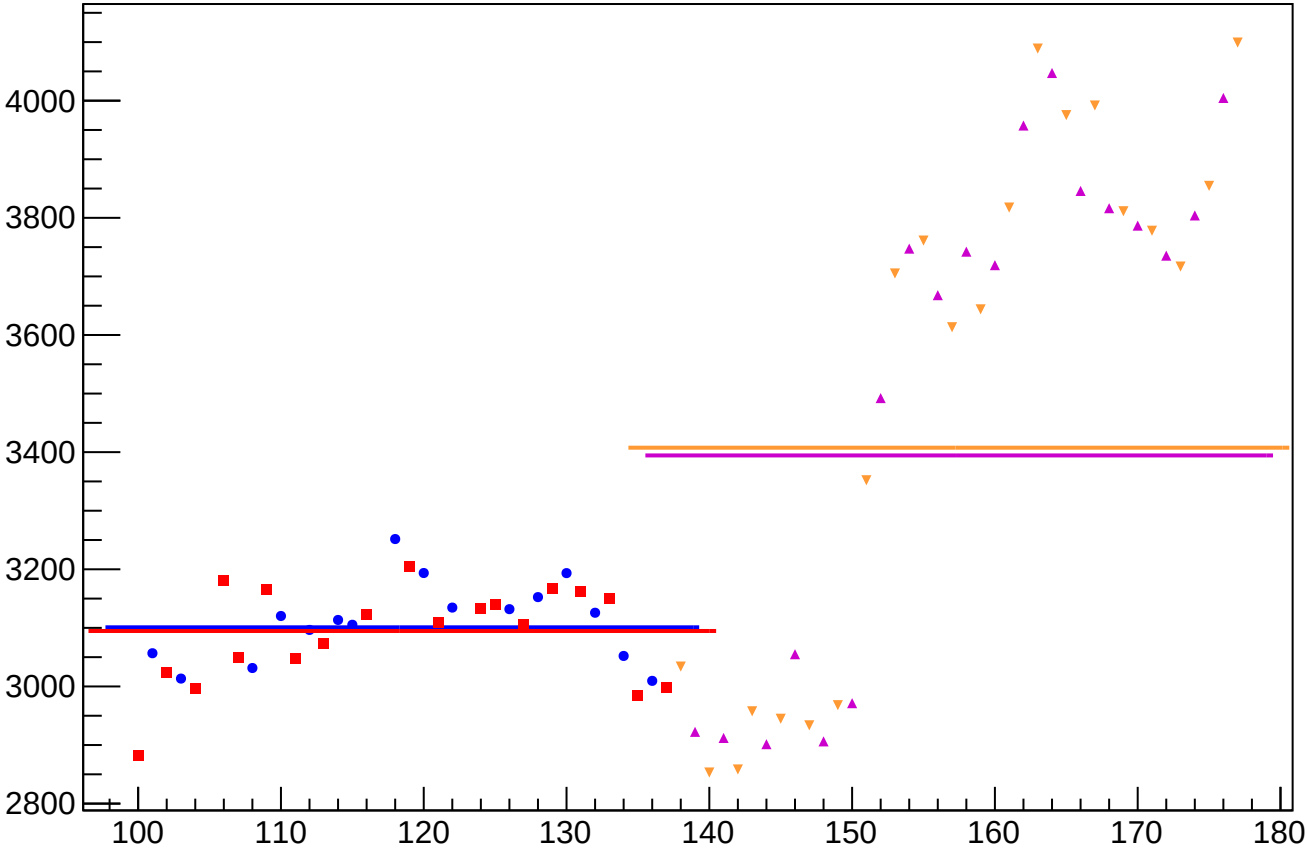
Left In: -7.530+/-0.868 χ^2/NDF:72.6/18

+ sign -14.838+/-0.679 χ^2/NDF: 278.9/36

All: -11.357+/-0.483 χ^2/NDF: 699.7/74

- sign -7.788+/-0.688 χ^2/NDF: 367.7/37

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3407.609+/-0.595 χ^2/NDF:554421.6/20

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

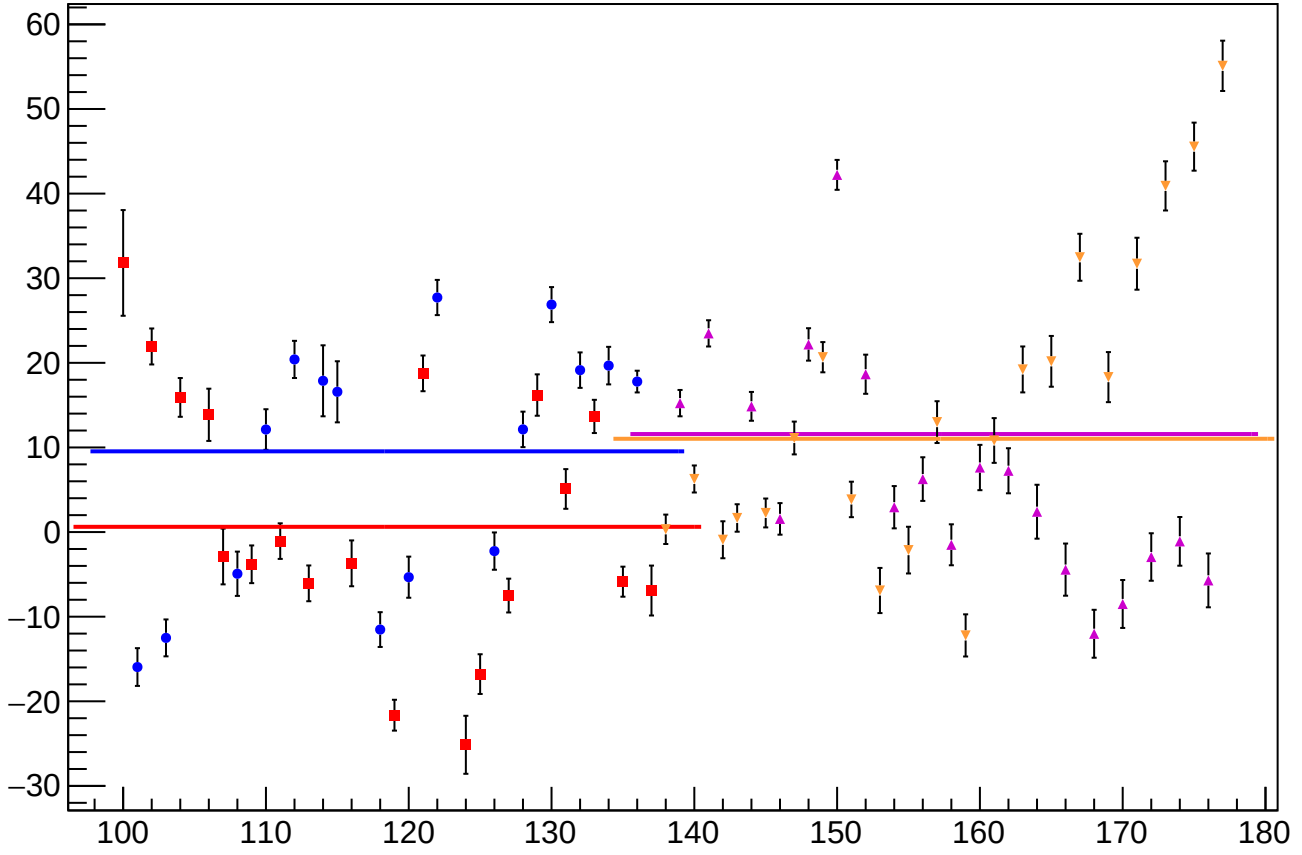
Left In: 3394.386+/-0.614 χ^2/NDF:487185.0/18

+ sign 3300.905+/-0.480 χ^2/NDF: 654742.0/36

All: 3292.074+/-0.342 χ^2/NDF: 1239788.0/74

- sign 3283.018+/-0.487 χ^2/NDF: 584361.8/37

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 11.025+/-0.491 χ^2/NDF:935.6/20

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

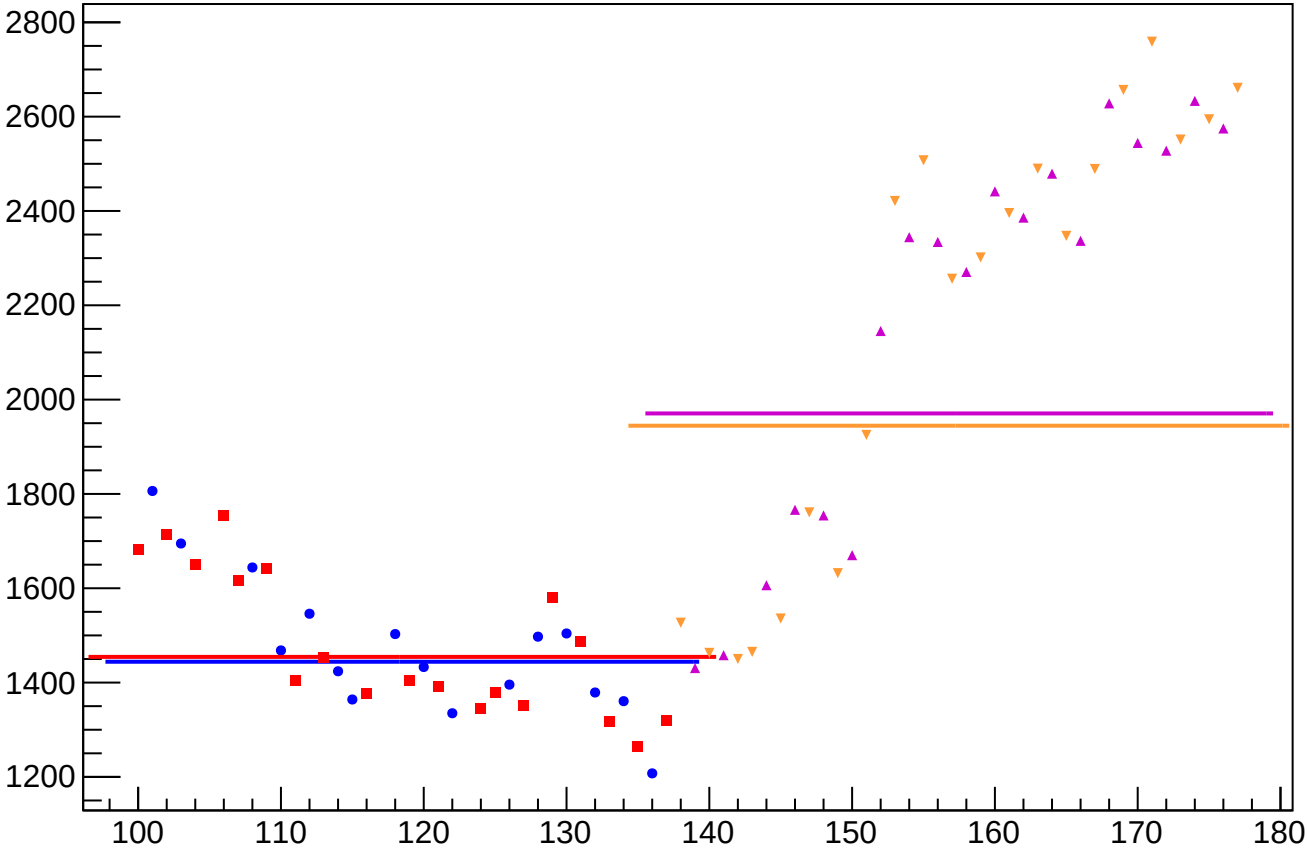
Left In: 11.586+/-0.513 χ^2/NDF:718.3/18

+ sign 10.356+/-0.364 χ^2/NDF: 1638.4/36

All: 8.375+/-0.259 χ^2/NDF: 3302.2/74

- sign 6.324+/-0.370 χ^2/NDF: 1603.4/37

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1944.645+/-0.347 χ^2/NDF:1804626.4/20

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

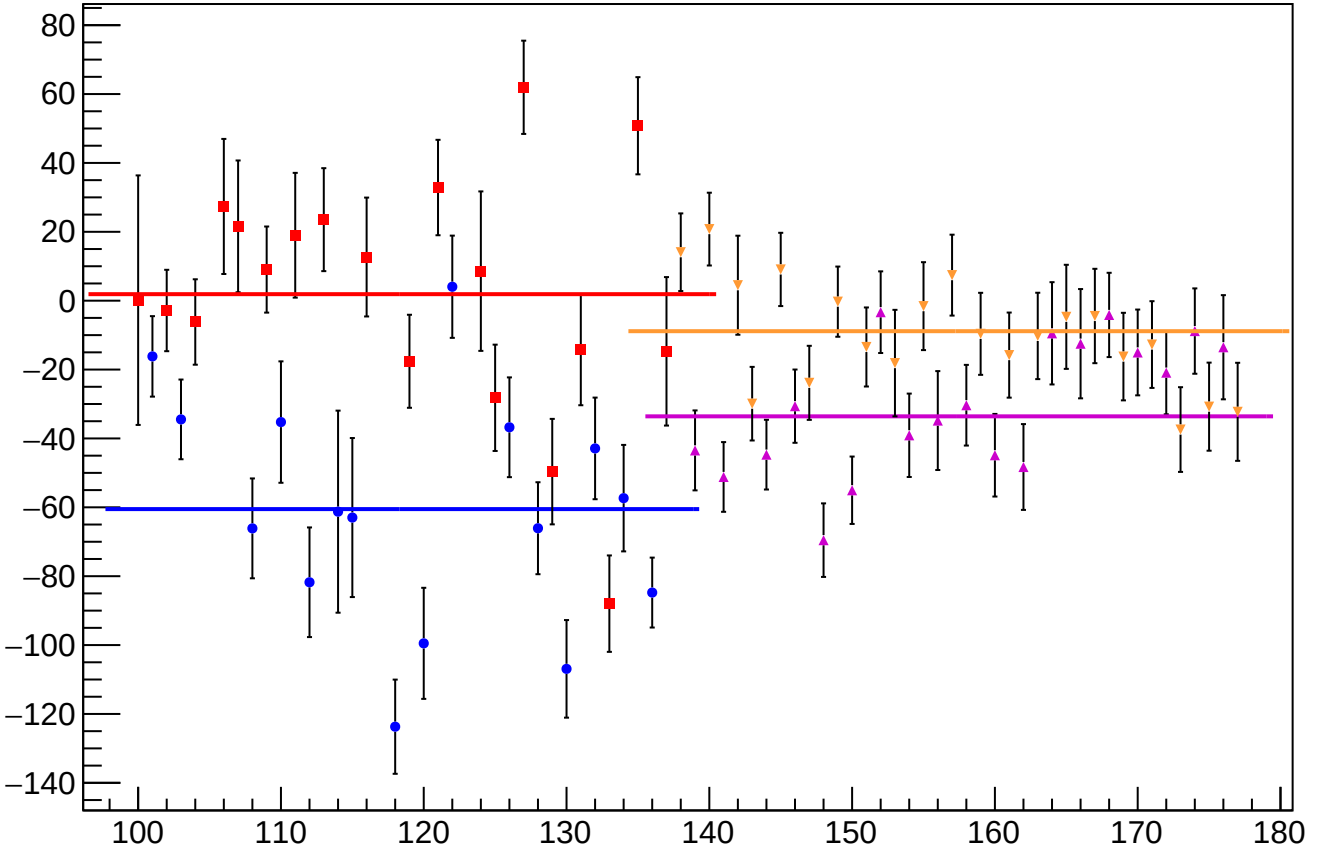
Left In: 1970.704+/-0.363 χ^2/NDF:1420640.0/18

+ sign 1718.938+/-0.257 χ^2/NDF: 2923321.3/36

All: 1720.935+/-0.183 χ^2/NDF: 5458748.0/74

- sign 1723.004+/-0.262 χ^2/NDF: 2535303.8/37

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.858+/-2.649 χ^2/NDF:37.0/20

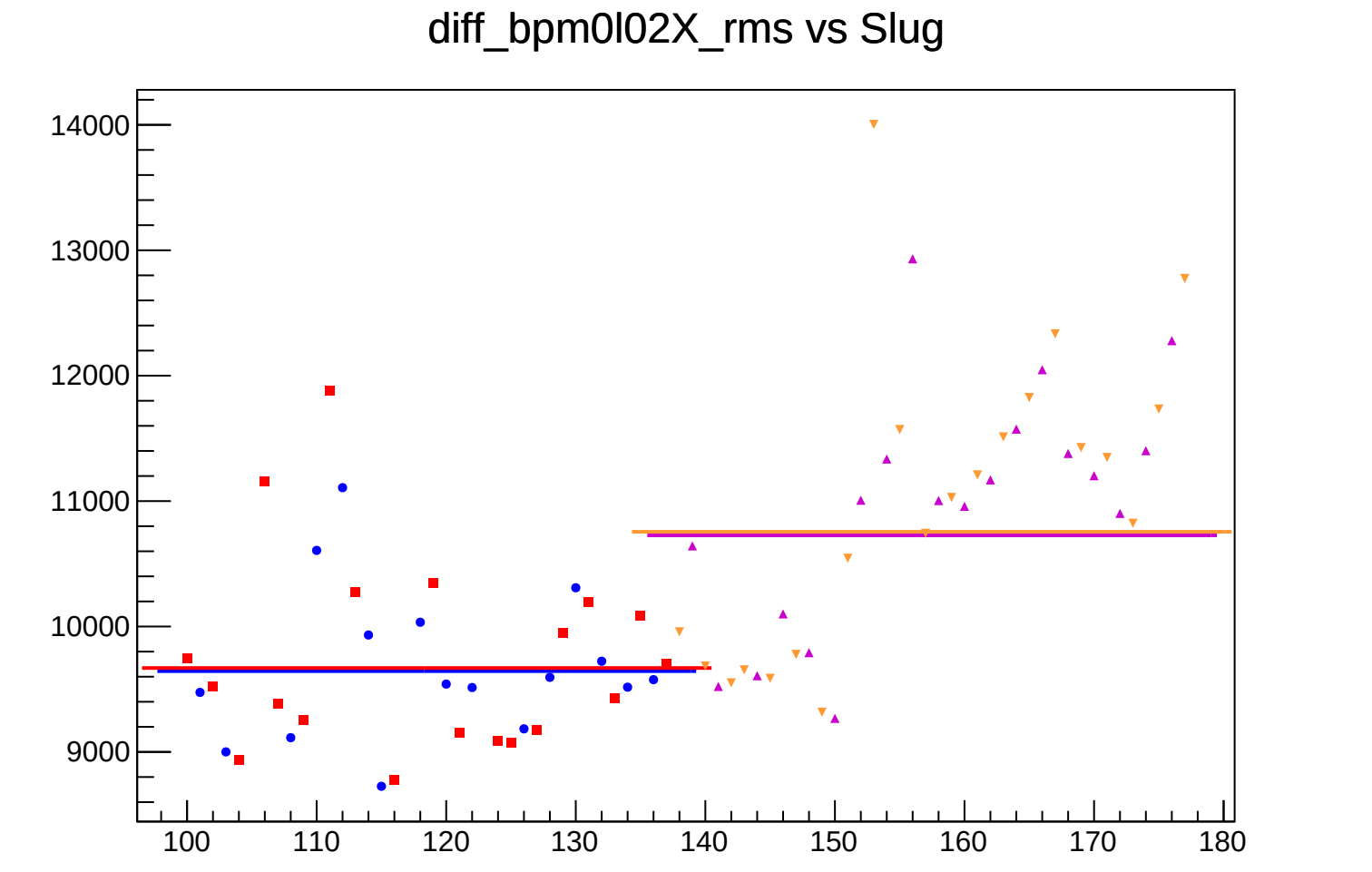
Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: -33.583+/-2.734 χ^2/NDF:49.5/18

+ sign -27.027+/-2.133 χ^2/NDF: 261.1/36

All: -23.734+/-1.519 χ^2/NDF: 482.1/74

- sign -20.343+/-2.164 χ^2/NDF: 216.2/37



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10755.424+/-1.873 χ^2/NDF:353031.1/20

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

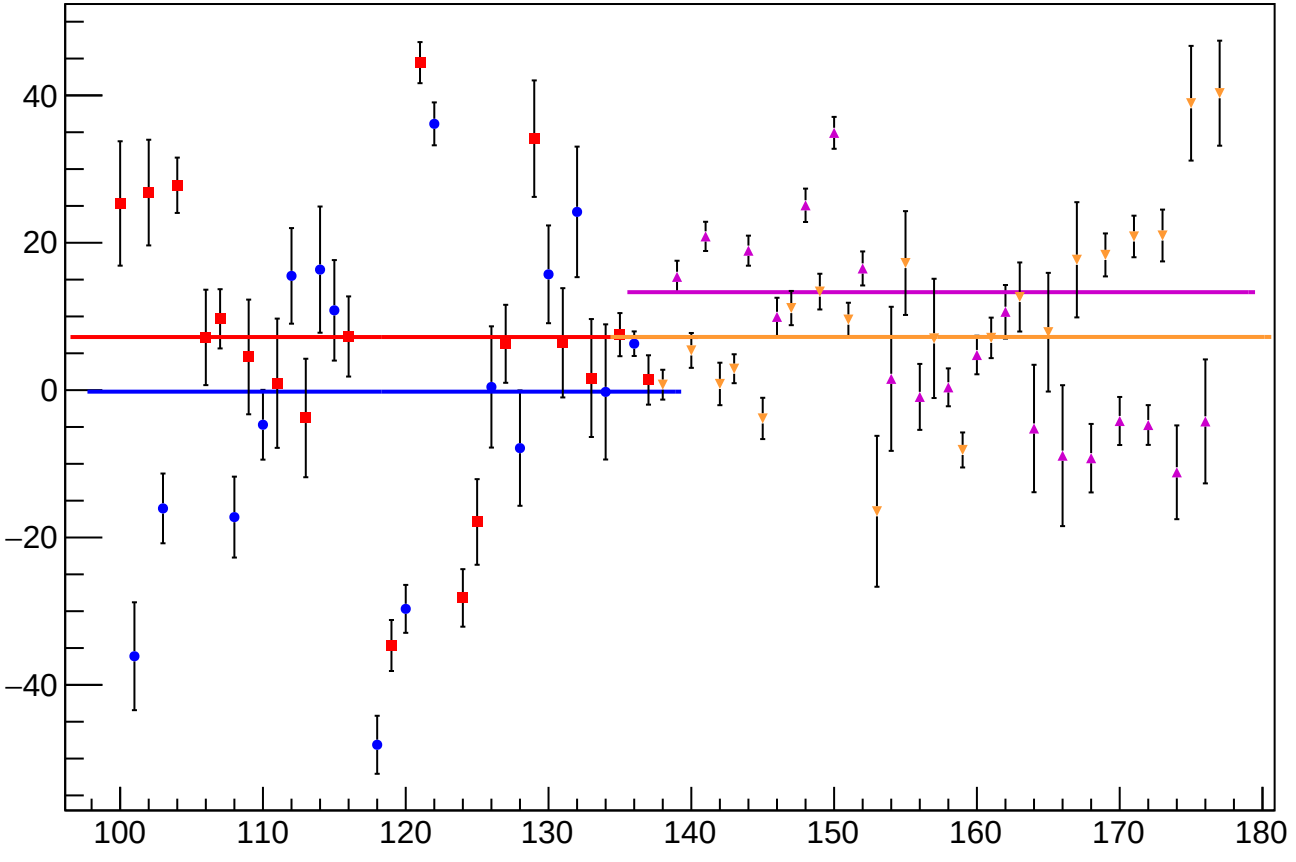
Left In: 10726.640+/-1.933 χ^2/NDF:233760.3/18

+ sign 10364.655+/-1.508 χ^2/NDF: 520882.2/36

All: 10348.560+/-1.074 χ^2/NDF: 946444.8/74

- sign 10331.986+/-1.530 χ^2/NDF: 425331.5/37

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.218+/-0.664 χ^2/NDF:190.1/20

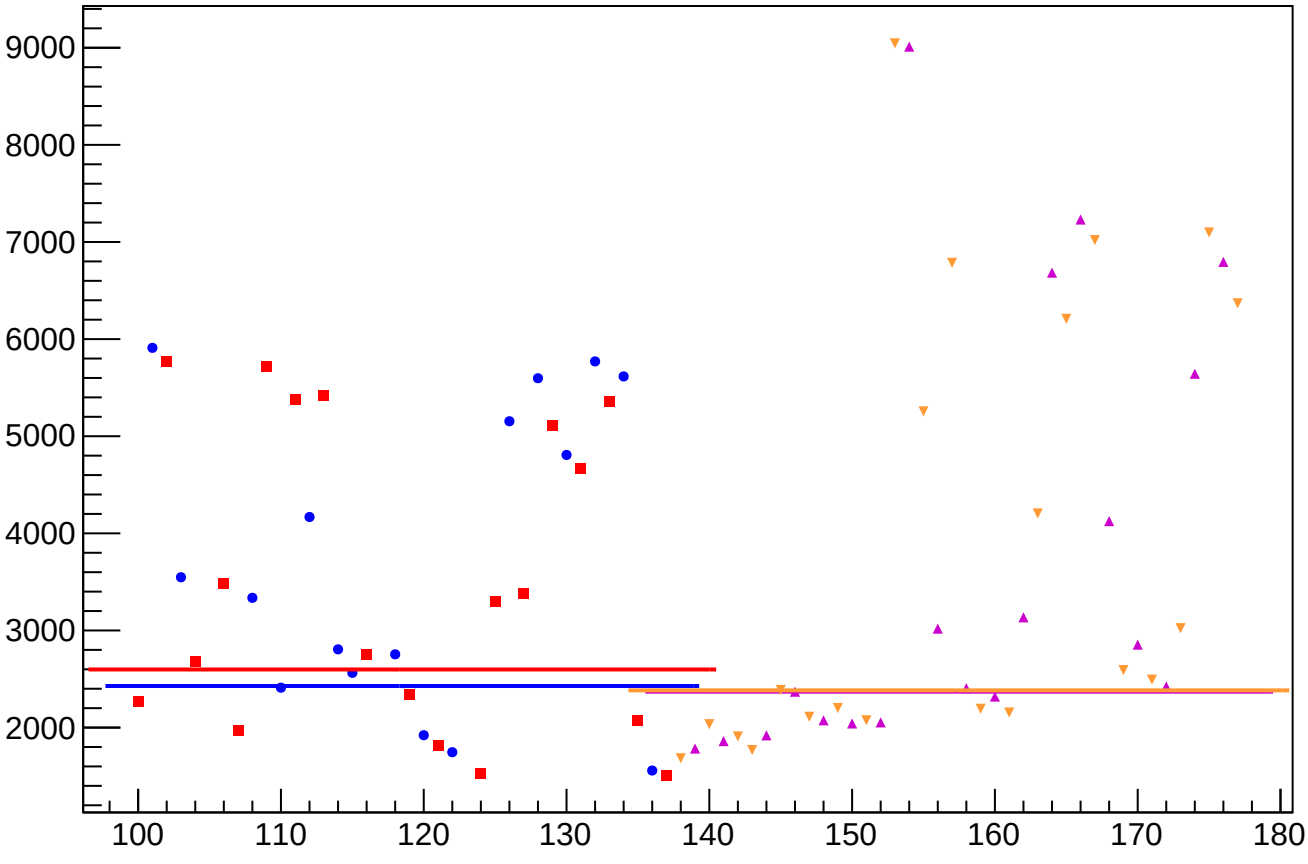
Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: 13.294+/-0.671 χ^2/NDF:327.4/18

+ sign 5.084+/-0.560 χ^2/NDF: 699.7/36

All: 8.287+/-0.399 χ^2/NDF: 1602.2/74

- sign 11.586+/-0.569 χ^2/NDF: 836.2/37



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2383.244+/-0.469 χ^2/NDF:5299579.3/20

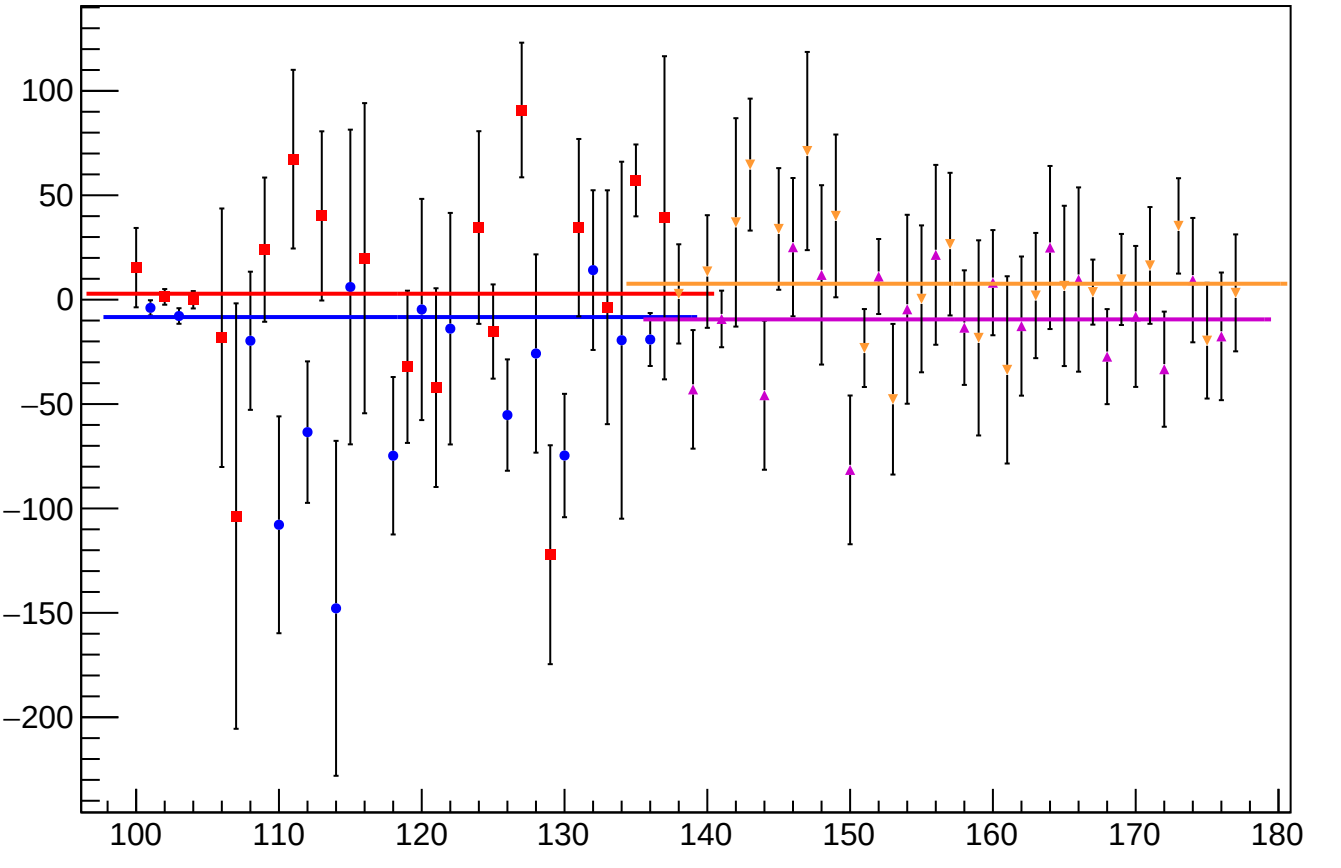
Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2369.528+/-0.474 χ^2/NDF:3972825.0/18

\+ sign 2396.132+/-0.396 χ^2/NDF: 8117536.1/36

All: 2414.660+/-0.282 χ^2/NDF: 14675064.9/7

\- sign 2433.744+/-0.402 χ^2/NDF: 6553091.6/37



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.633+/-6.100 χ^2/NDF:16.2/20

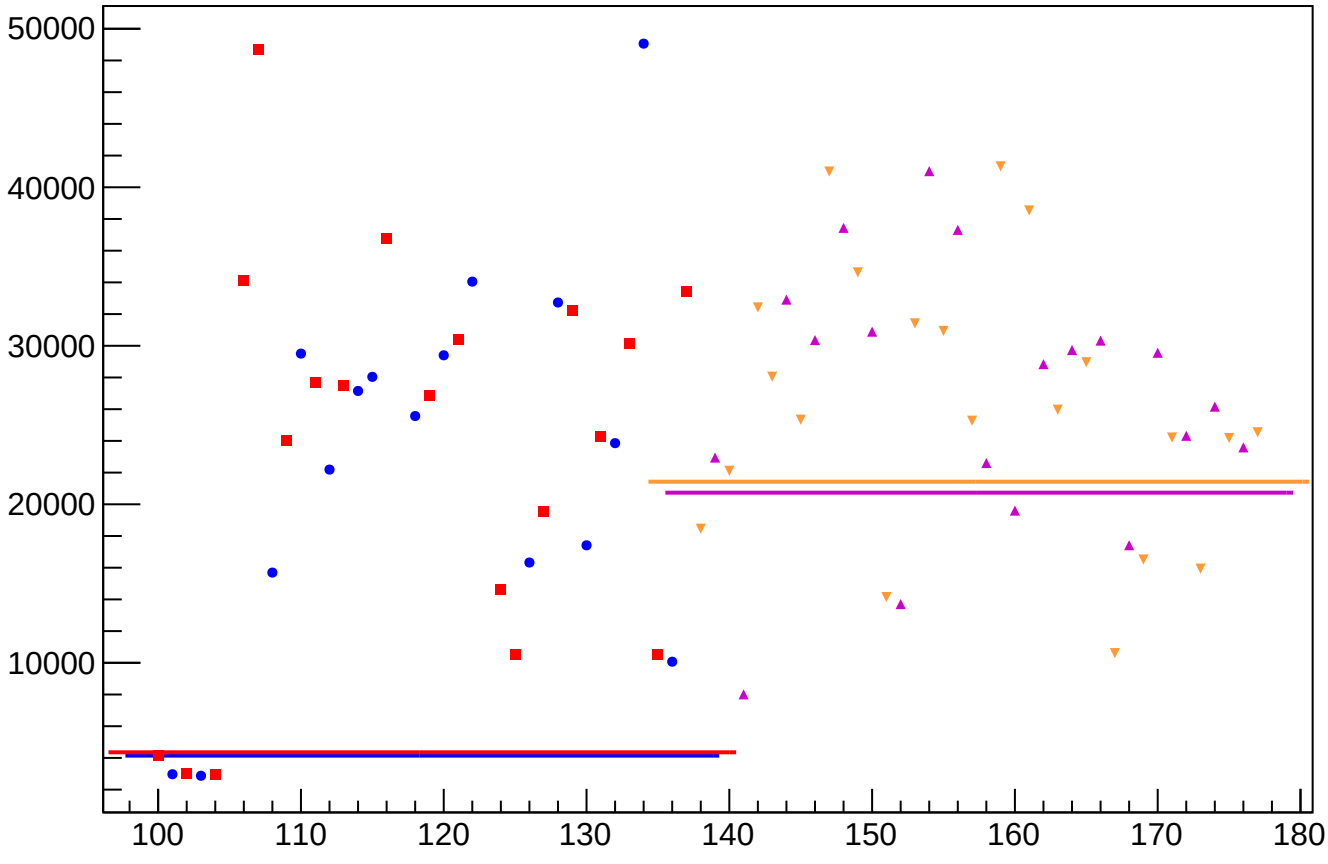
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -9.444+/-6.308 χ^2/NDF:13.0/18

+ sign -6.038+/-2.313 χ^2/NDF: 45.5/36

All: -2.692+/-1.677 χ^2/NDF: 98.8/74

- sign 1.016+/-2.435 χ^2/NDF: 48.9/37



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21426.032+/-4.314 χ^2/NDF:3473381.9/20

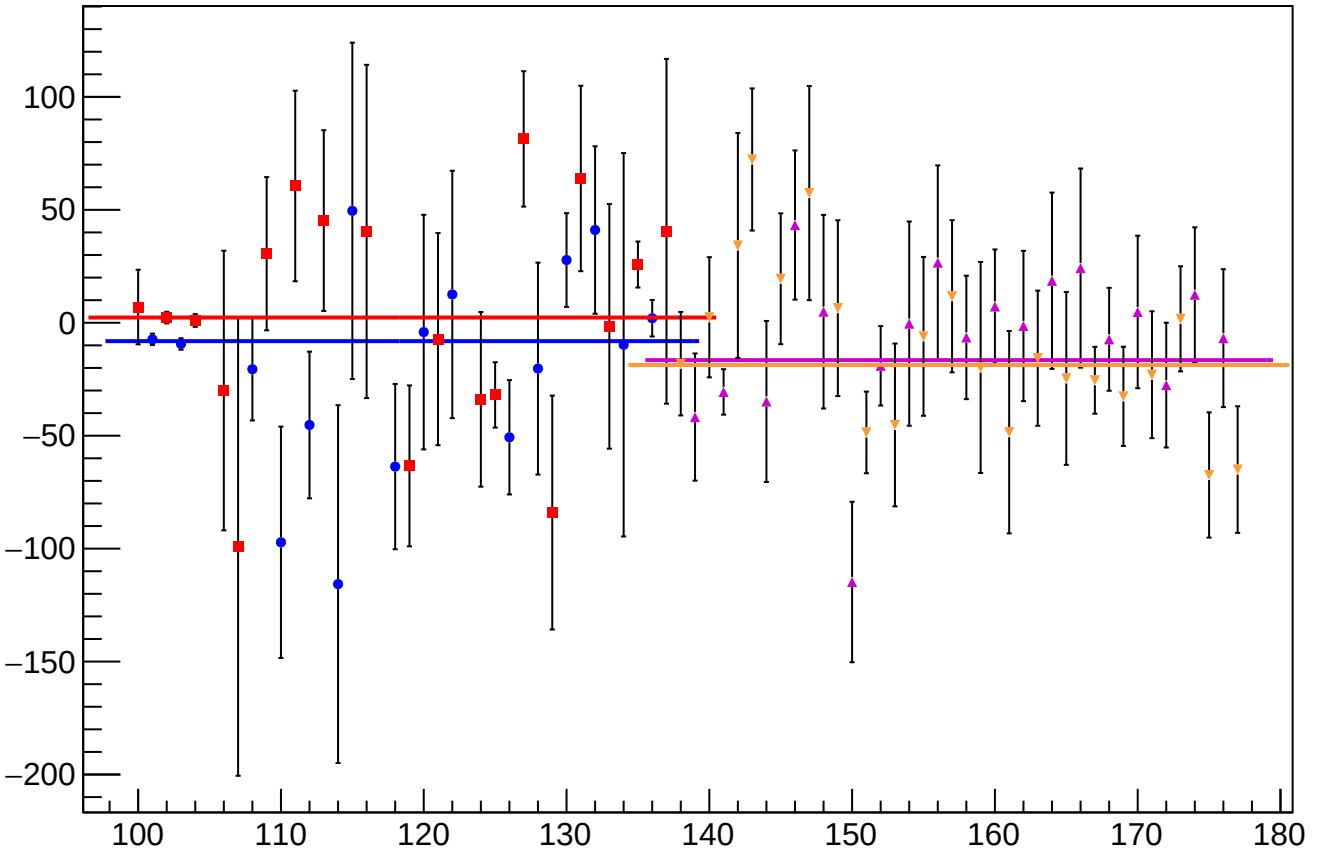
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 20733.264+/-4.461 χ^2/NDF:4275595.8/18

+ sign 6629.606+/-1.635 χ^2/NDF: 24051899.1/36

All: 6707.981+/-1.186 χ^2/NDF: 47431050.5/7

- sign 6794.857+/-1.722 χ^2/NDF: 23374308.7/37



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -18.705+/-6.016 χ^2/NDF:26.8/20

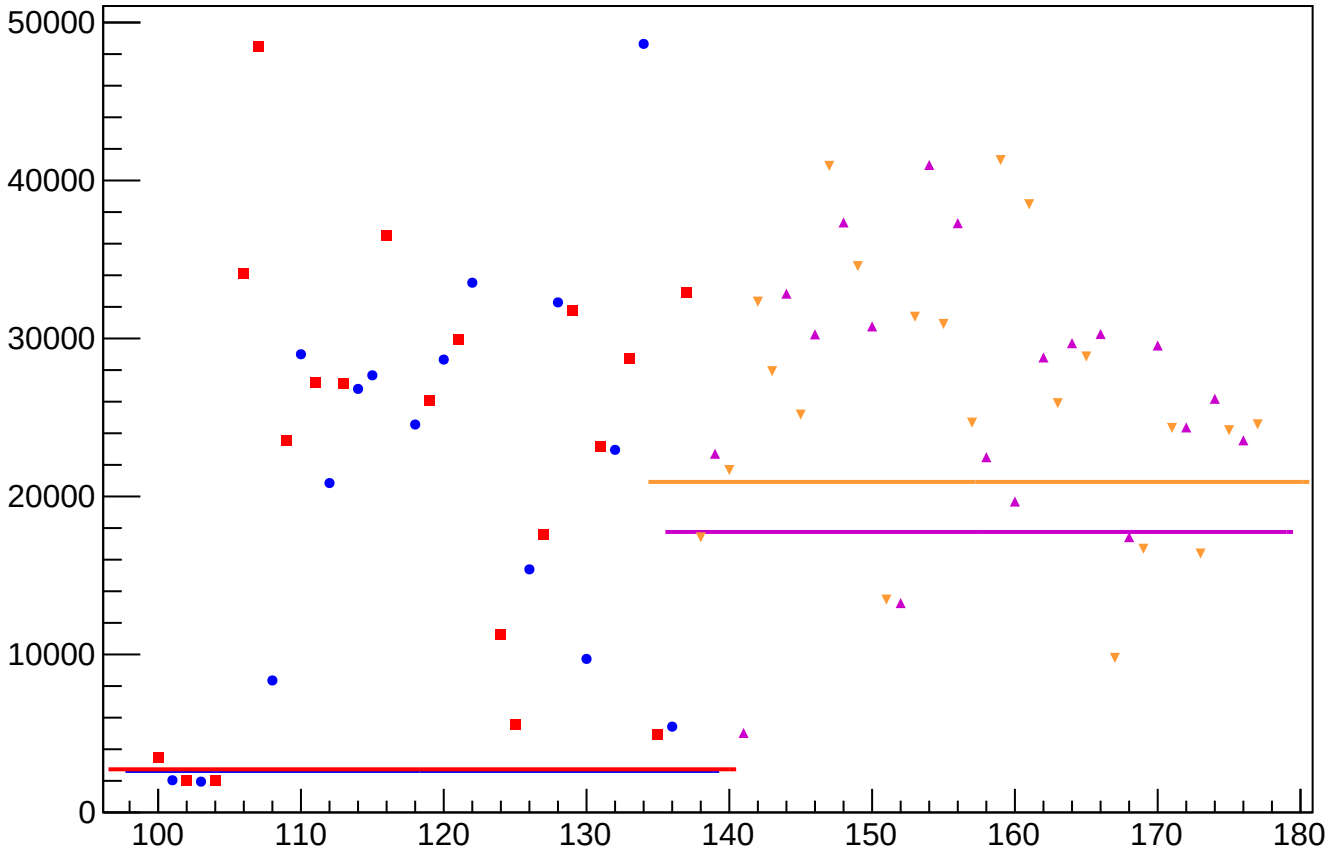
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -16.539+/-5.799 χ^2/NDF:20.0/18

+ sign -8.932+/-1.654 χ^2/NDF: 48.7/36

All: -4.387+/-1.198 χ^2/NDF: 127.3/74

- sign 0.630+/-1.738 χ^2/NDF: 62.7/37



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20921.769+/-4.254 χ^2/NDF:3796020.9/20

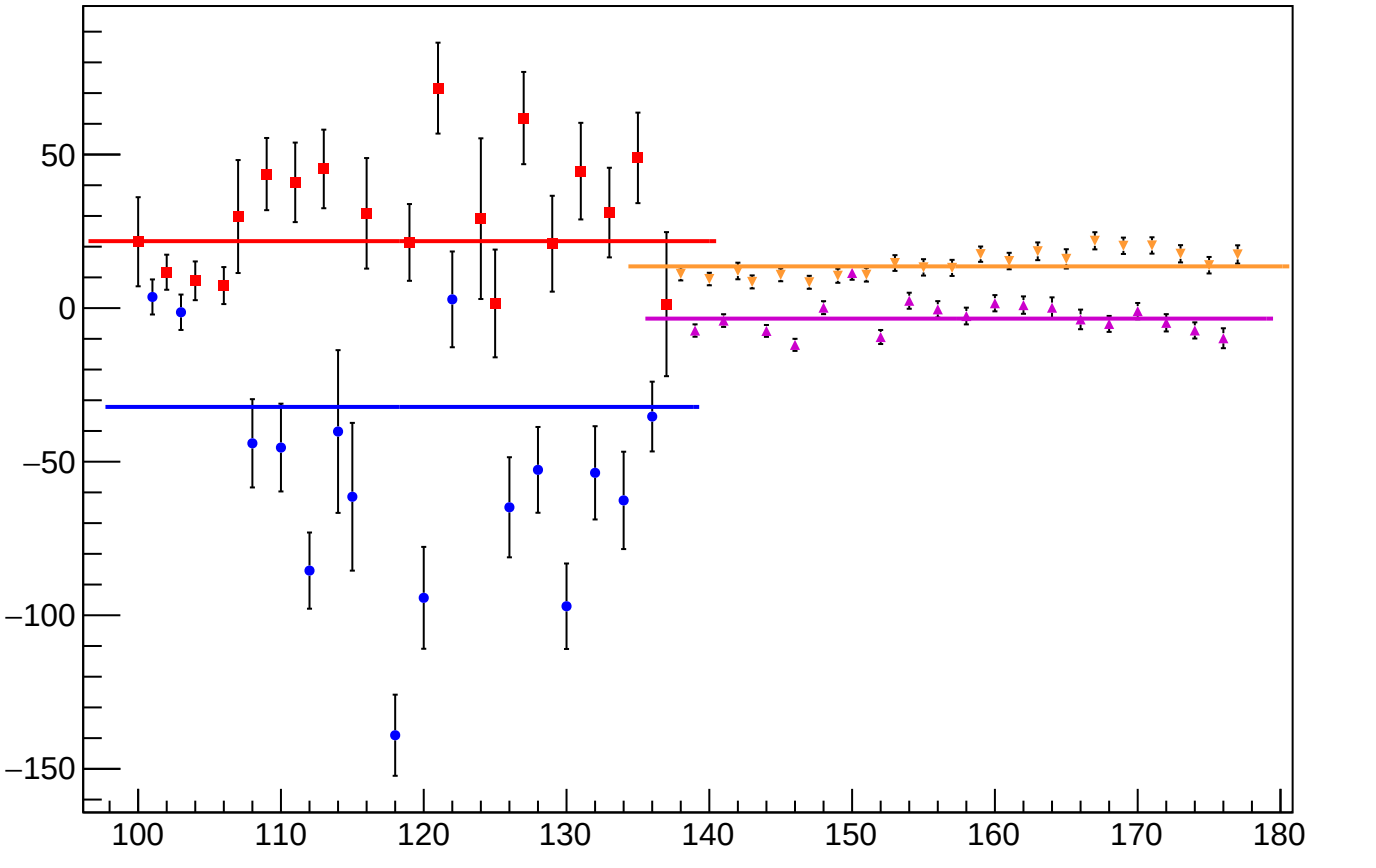
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 17754.176+/-4.100 χ^2/NDF:6893144.4/18

+ sign 4009.564+/-1.170 χ^2/NDF: 27676296.4/36

All: 4042.875+/-0.847 χ^2/NDF: 54775827.5/7

- sign 4079.650+/-1.229 χ^2/NDF: 27097824.5/37



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.585+/-0.542 χ^2/NDF:54.6/20

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

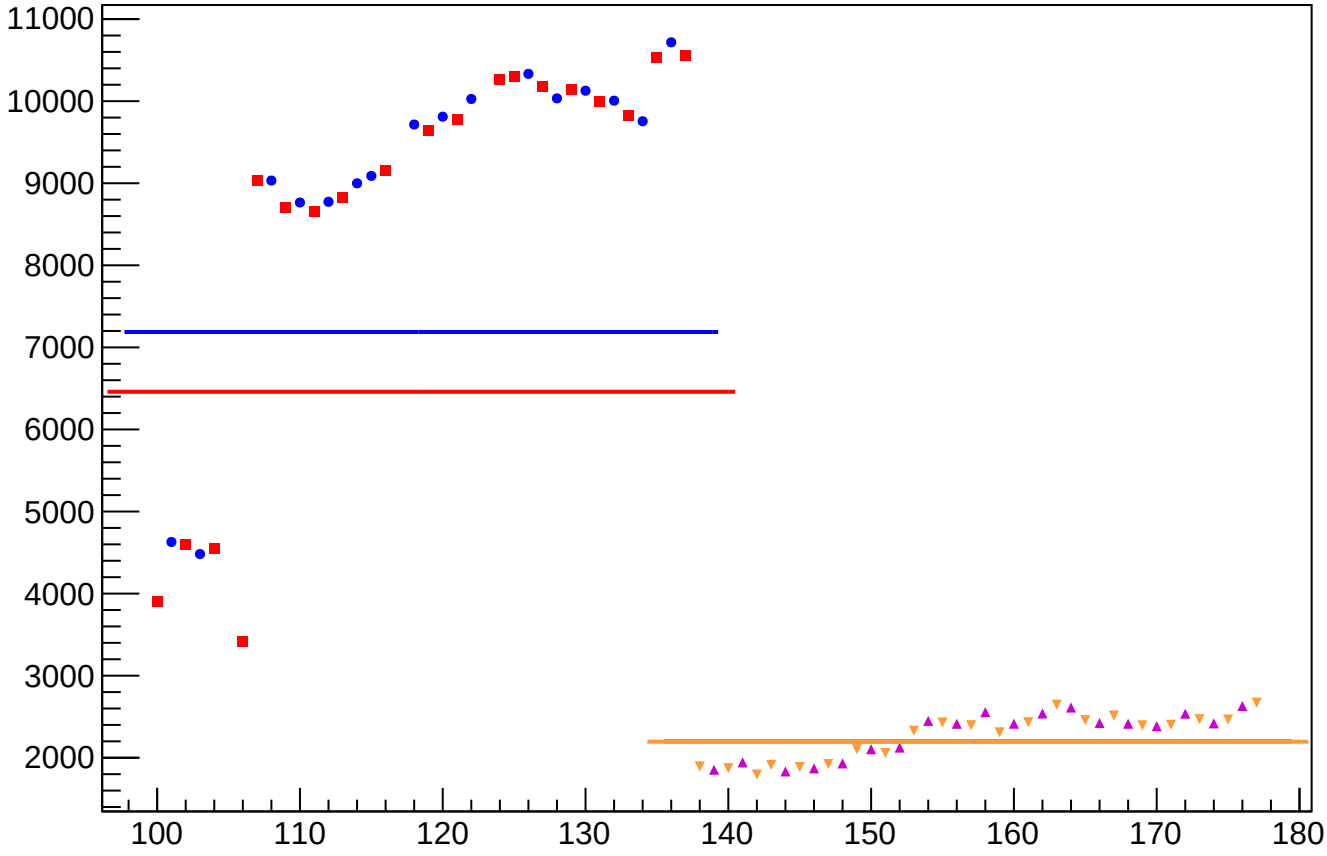
Left In: -3.420+/-0.563 χ^2/NDF:102.5/18

+ sign 11.978+/-0.532 χ^2/NDF: 512.5/36

All: 5.088+/-0.382 χ^2/NDF: 1102.7/74

- sign -2.254+/-0.550 χ^2/NDF: 244.3/37

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2195.838+/-0.383 χ^2/NDF:511007.7/20

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

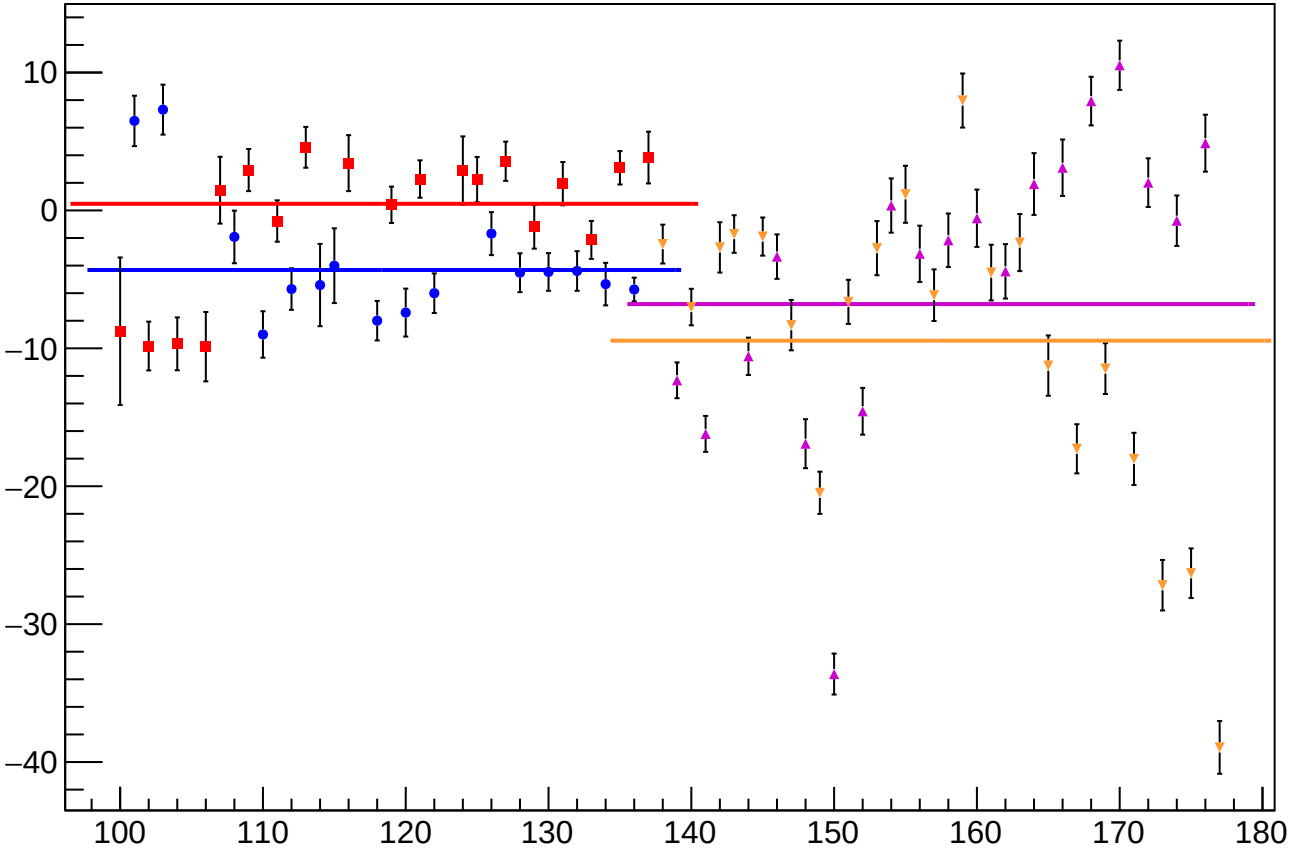
Left In: 2199.135+/-0.398 χ^2/NDF:503849.3/18

+ sign 2371.100+/-0.377 χ^2/NDF: 8170941.1/36

All: 2383.146+/-0.270 χ^2/NDF: 16247062.4/7

- sign 2395.984+/-0.389 χ^2/NDF: 8074007.2/37

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -9.445+/-0.377 χ^2/NDF:757.6/20

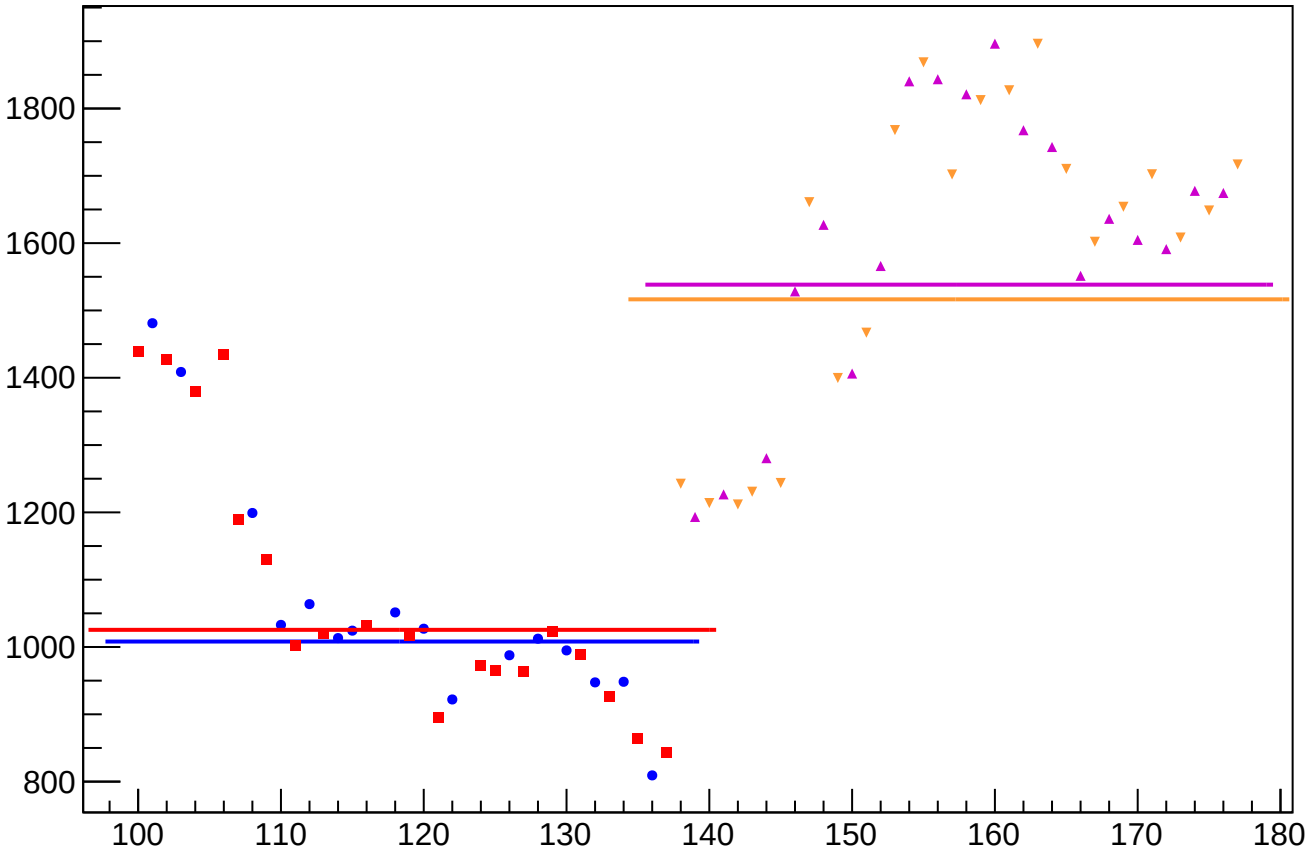
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -6.790+/-0.395 χ^2/NDF:764.8/18

+ sign -6.903+/-0.267 χ^2/NDF: 953.1/36

All: -4.995+/-0.191 χ^2/NDF: 2115.8/74

- sign -3.001+/-0.273 χ^2/NDF: 1058.6/37



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1516.499+/-0.266 χ^2/NDF:787020.6/20

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

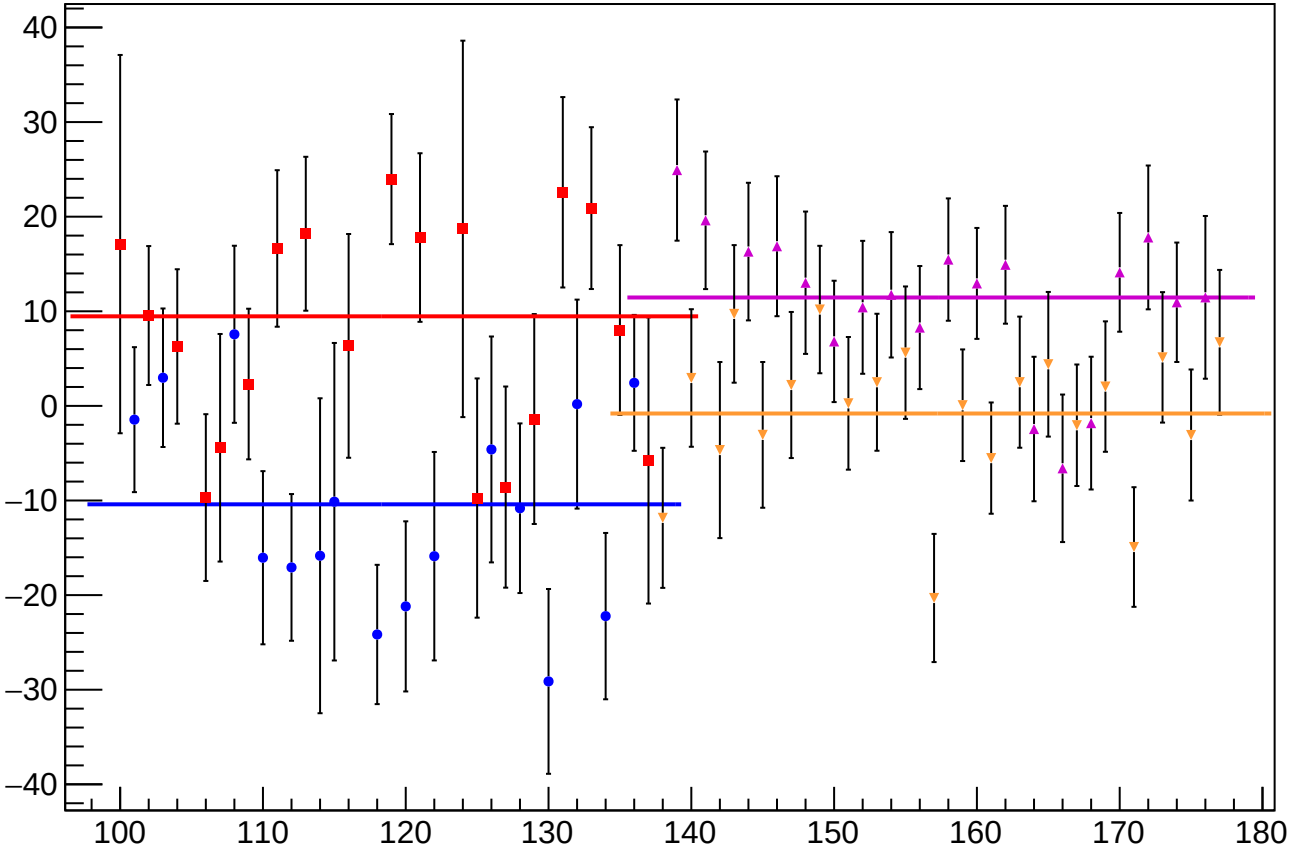
Left In: 1538.318+/-0.279 χ^2/NDF:617975.3/18

+ sign 1264.417+/-0.189 χ^2/NDF: 2973000.5/36

All: 1267.678+/-0.135 χ^2/NDF: 5694452.9/74

- sign 1271.085+/-0.193 χ^2/NDF: 2720844.3/37

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.805+/-1.525 χ^2/NDF:25.4/20

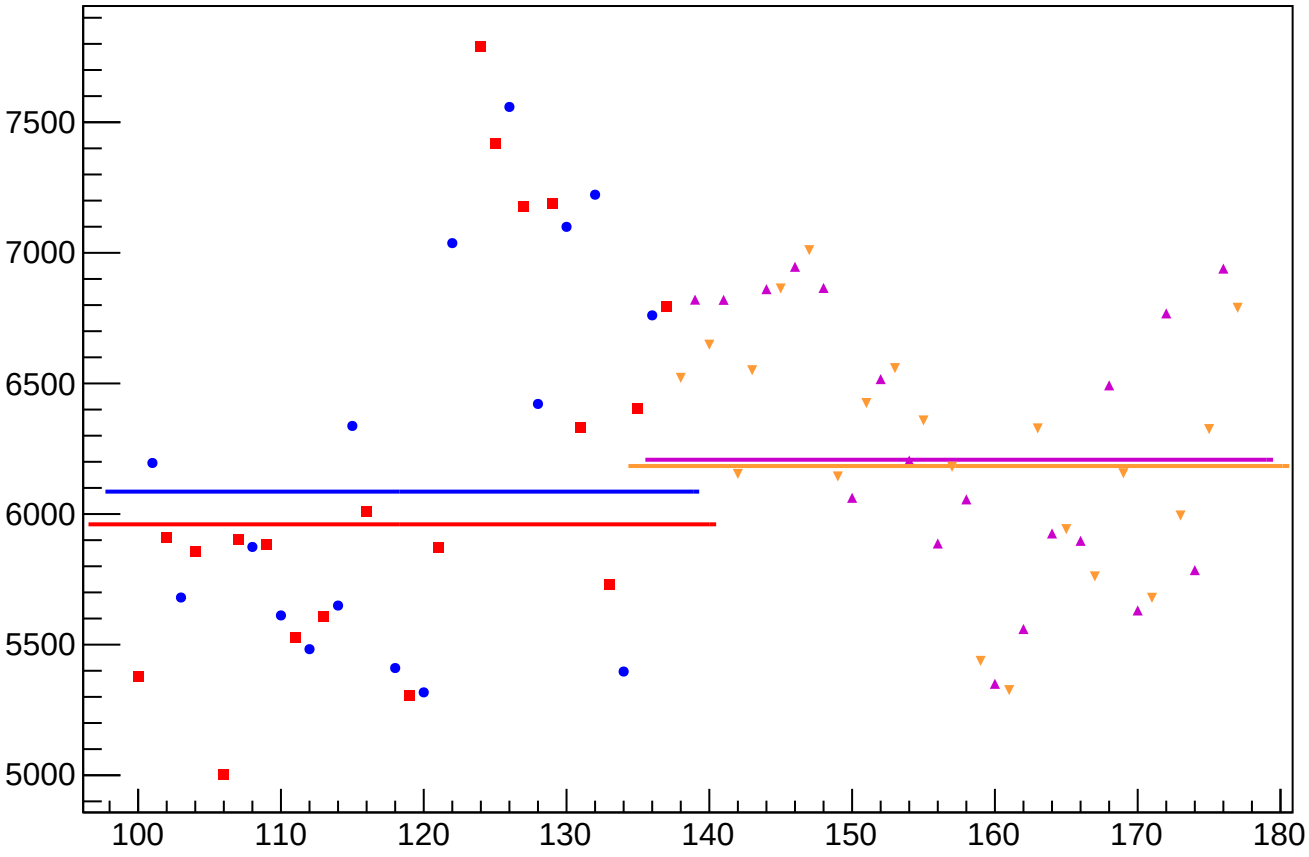
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 11.458+/-1.588 χ^2/NDF:20.2/18

+ sign -3.773+/-1.268 χ^2/NDF: 62.3/36

All: 3.398+/-0.903 χ^2/NDF: 173.3/74

- sign 10.772+/-1.286 χ^2/NDF: 46.1/37



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6183.793+/-1.079 χ^2/NDF:178681.8/20

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

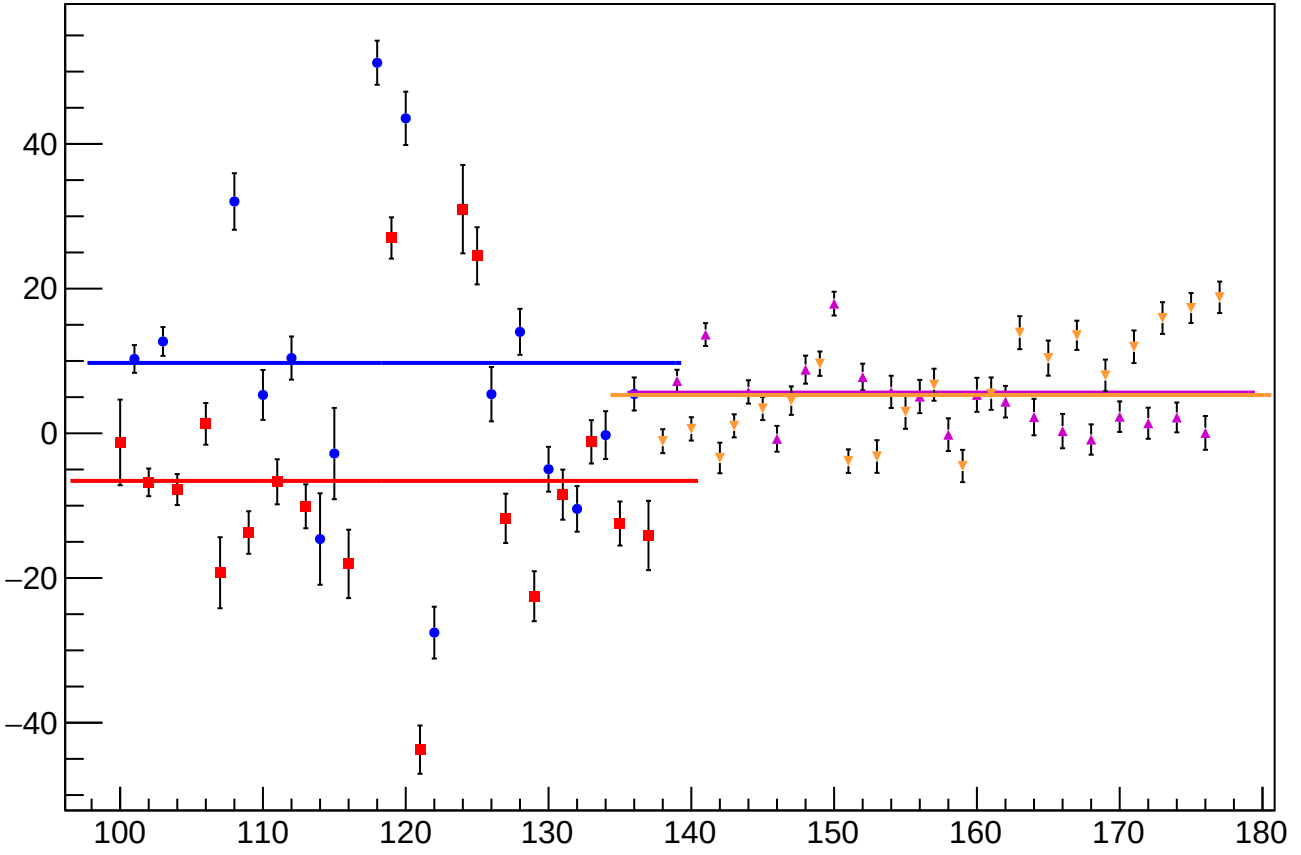
Left In: 6207.933+/-1.123 χ^2/NDF:214759.5/18

+ sign 6153.518+/-0.896 χ^2/NDF: 360349.0/36

All: 6138.360+/-0.638 χ^2/NDF: 755171.3/74

- sign 6122.772+/-0.909 χ^2/NDF: 394242.4/37

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 5.292+/-0.431 χ^2/NDF:263.3/20

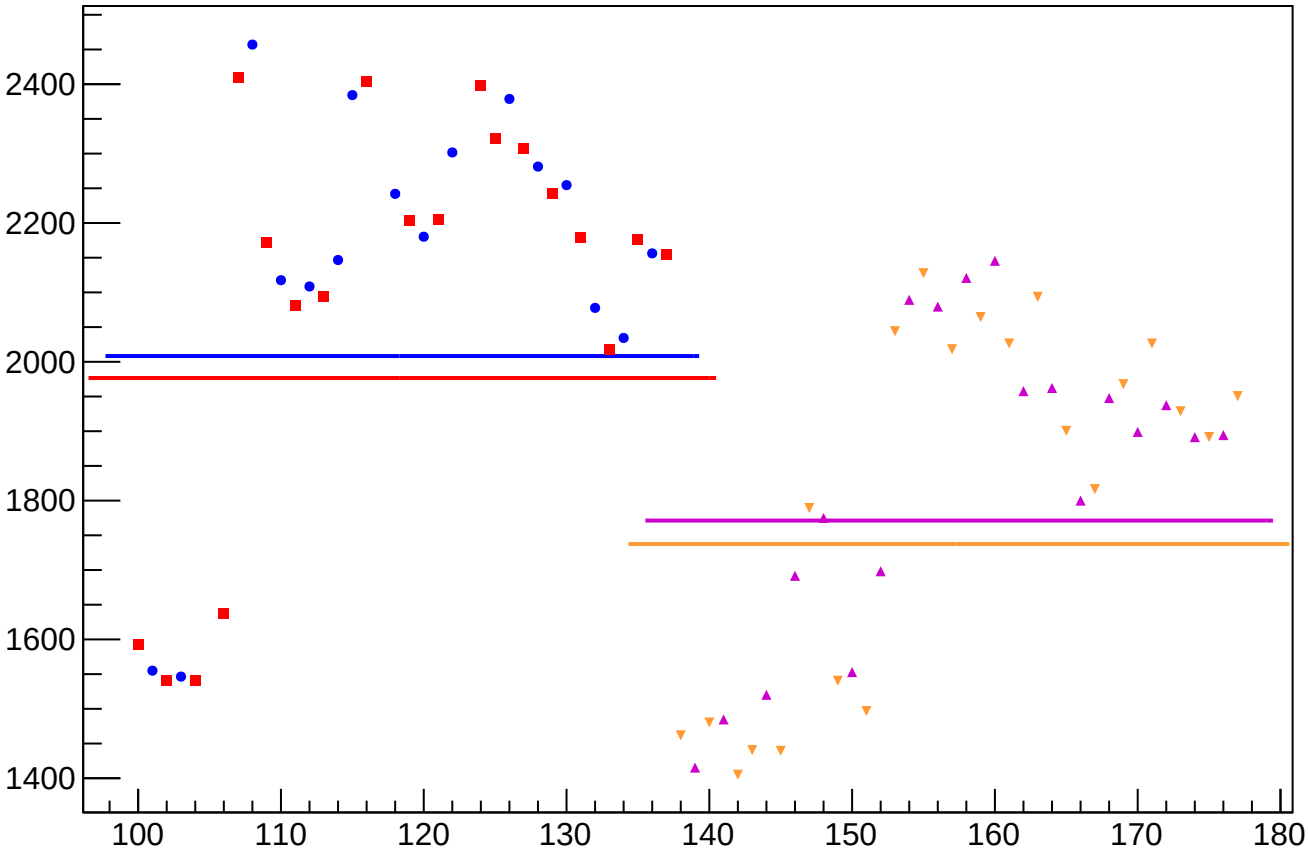
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 5.627+/-0.454 χ^2/NDF:138.1/18

+ sign 6.383+/-0.374 χ^2/NDF: 801.7/36

All: 4.367+/-0.268 χ^2/NDF: 1624.8/74

- sign 2.226+/-0.386 χ^2/NDF: 763.2/37



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1737.426+/-0.305 χ^2/NDF:728318.1/20

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

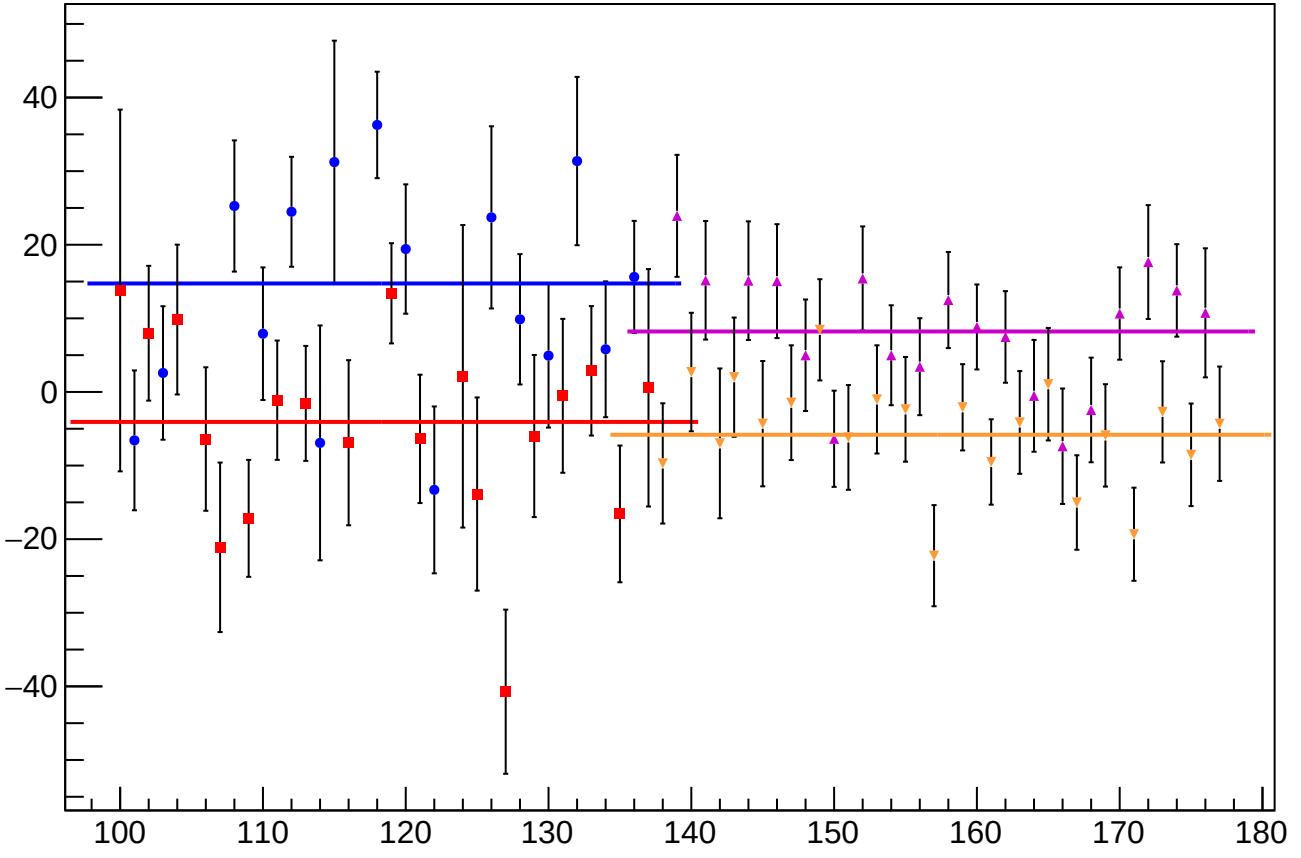
Left In: 1771.275+/-0.321 χ^2/NDF:511338.4/18

+ sign 1803.964+/-0.265 χ^2/NDF: 1266936.9/36

All: 1815.871+/-0.190 χ^2/NDF: 2261940.9/74

- sign 1828.512+/-0.273 χ^2/NDF: 990828.5/37

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.816+/-1.561 χ^2/NDF:22.0/20

Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

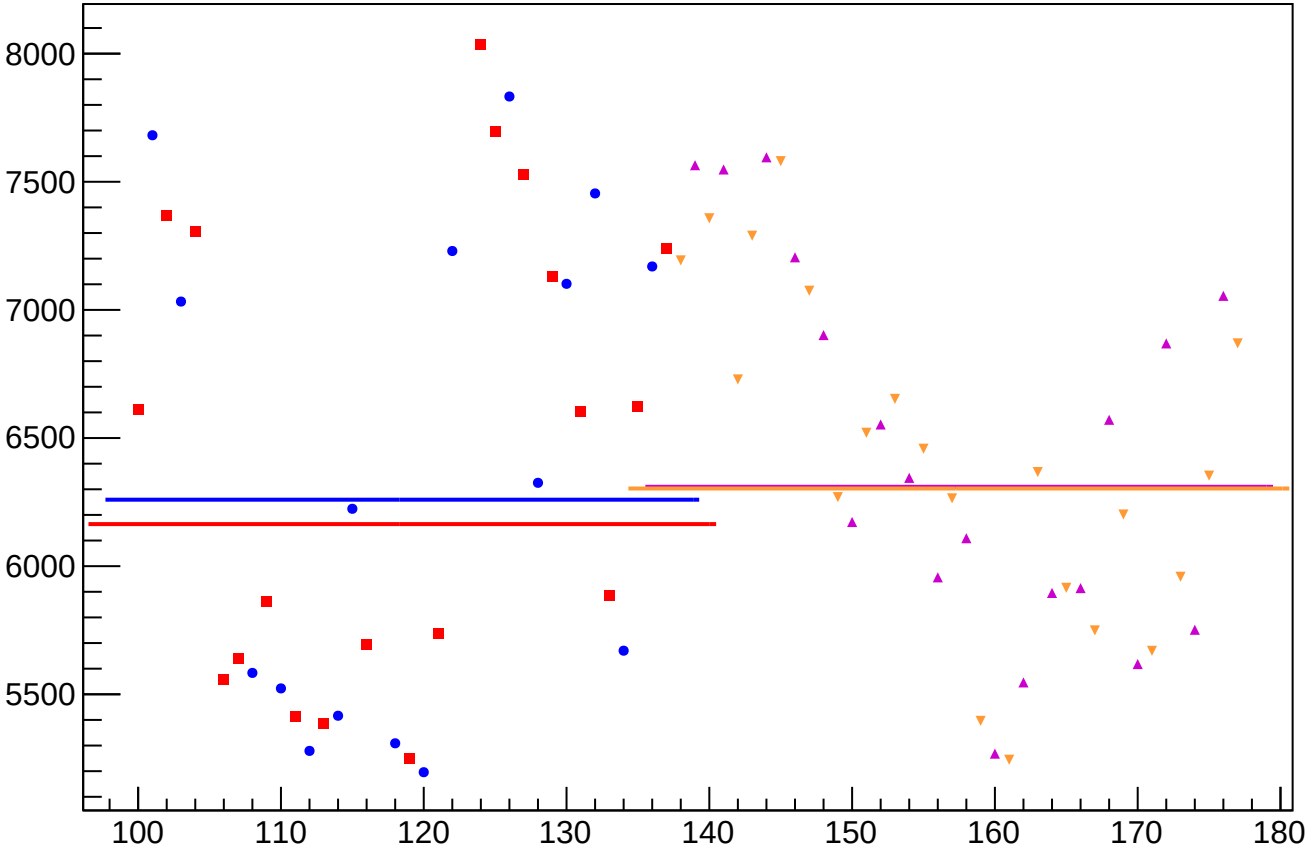
Left In: 8.217+/-1.621 χ^2/NDF:23.3/18

+ sign 0.446+/-1.301 χ^2/NDF: 108.4/36

All: 2.236+/-0.927 χ^2/NDF: 185.1/74

- sign 4.077+/-1.320 χ^2/NDF: 72.8/37

diff_bpm0l06X_rms vs Slug



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6303.040+/-1.103 χ^2/NDF:334211.3/20

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

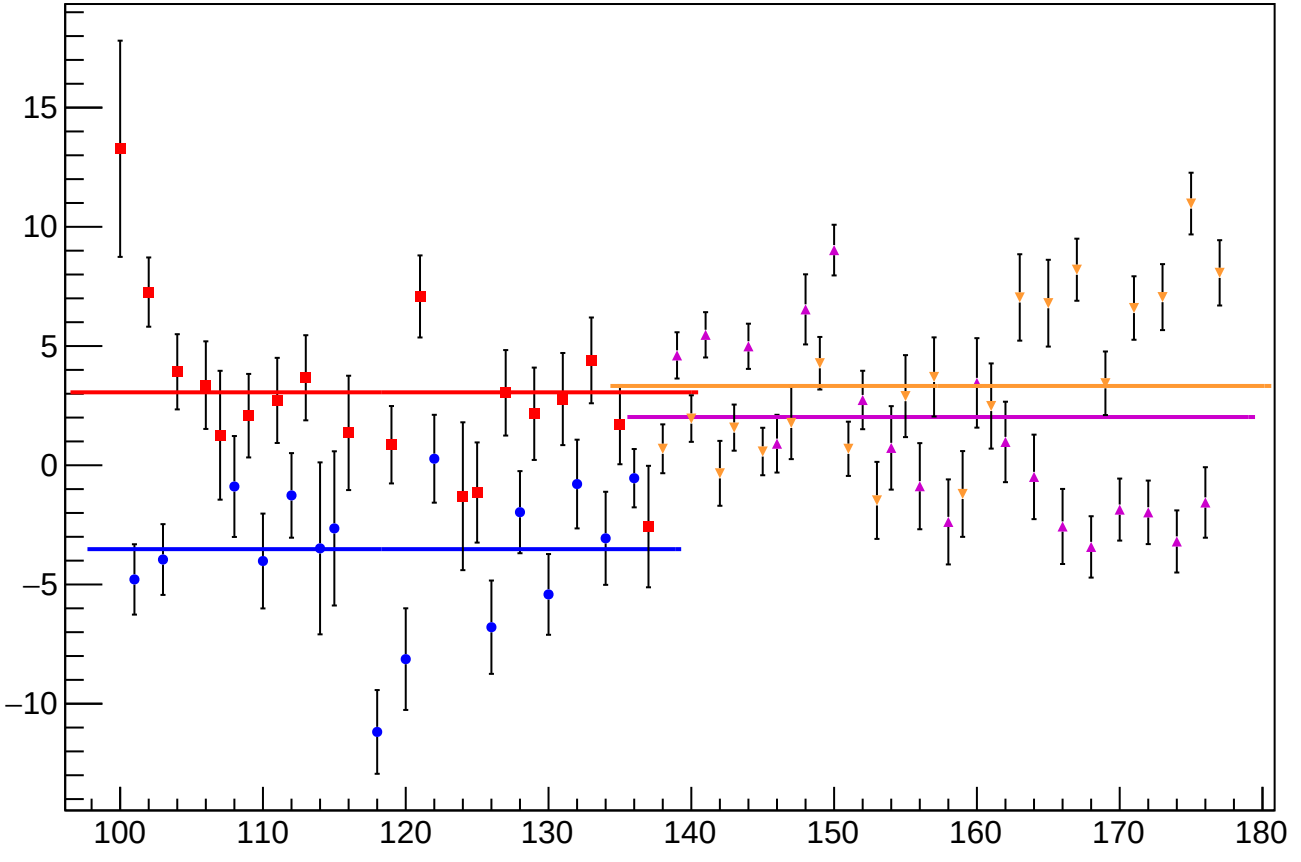
Left In: 6309.722+/-1.146 χ^2/NDF:367856.9/18

+ sign 6289.750+/-0.920 χ^2/NDF: 643294.2/36

All: 6275.421+/-0.655 χ^2/NDF: 1282138.8/74

- sign 6260.683+/-0.933 χ^2/NDF: 638352.7/37

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.326+/-0.285 χ^2/NDF:131.5/20

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

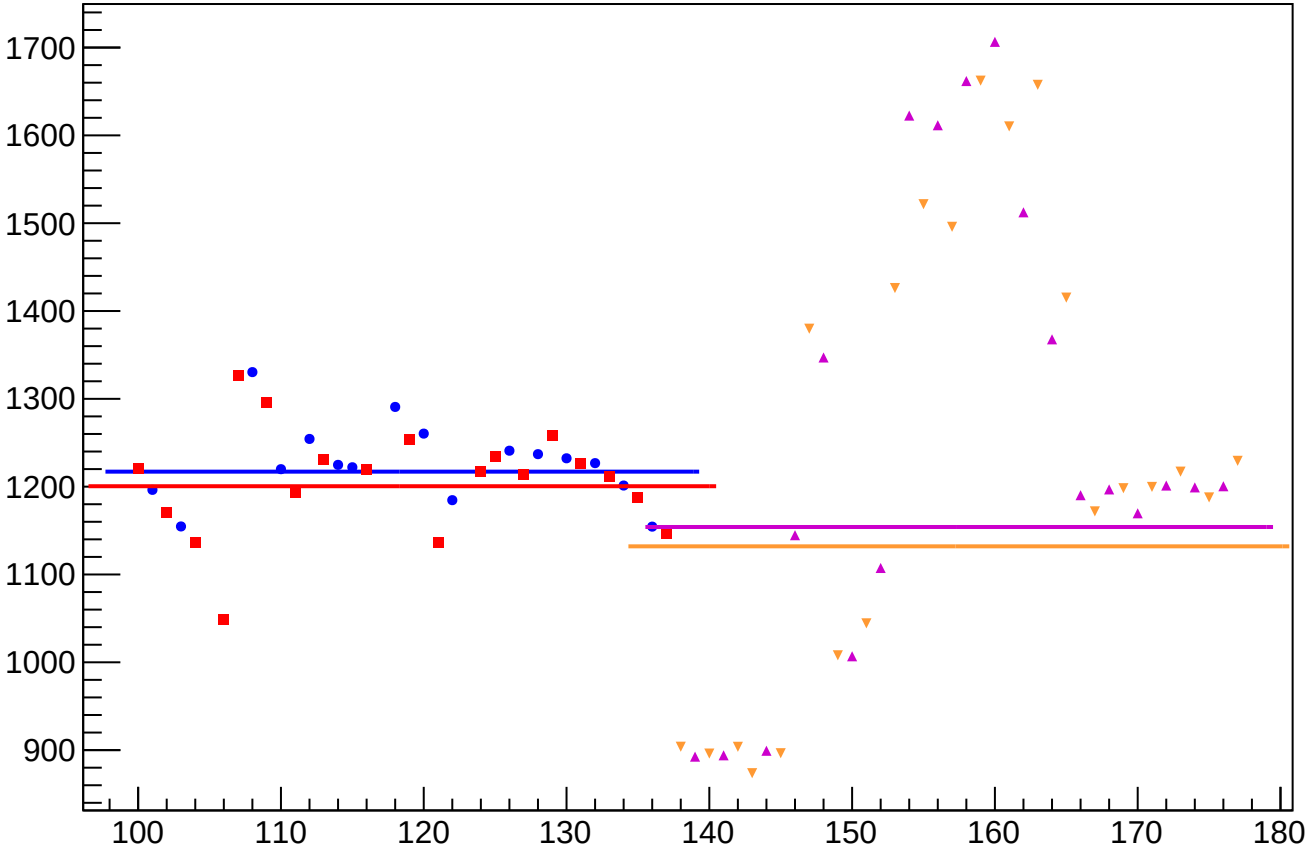
Left In: 2.024+/-0.300 χ^2/NDF:162.5/18

+ sign 1.384+/-0.241 χ^2/NDF: 340.4/36

All: 1.856+/-0.173 χ^2/NDF: 549.4/74

- sign 2.355+/-0.248 χ^2/NDF: 201.1/37

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1132.045+/-0.201 χ^2/NDF:1449773.3/20

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

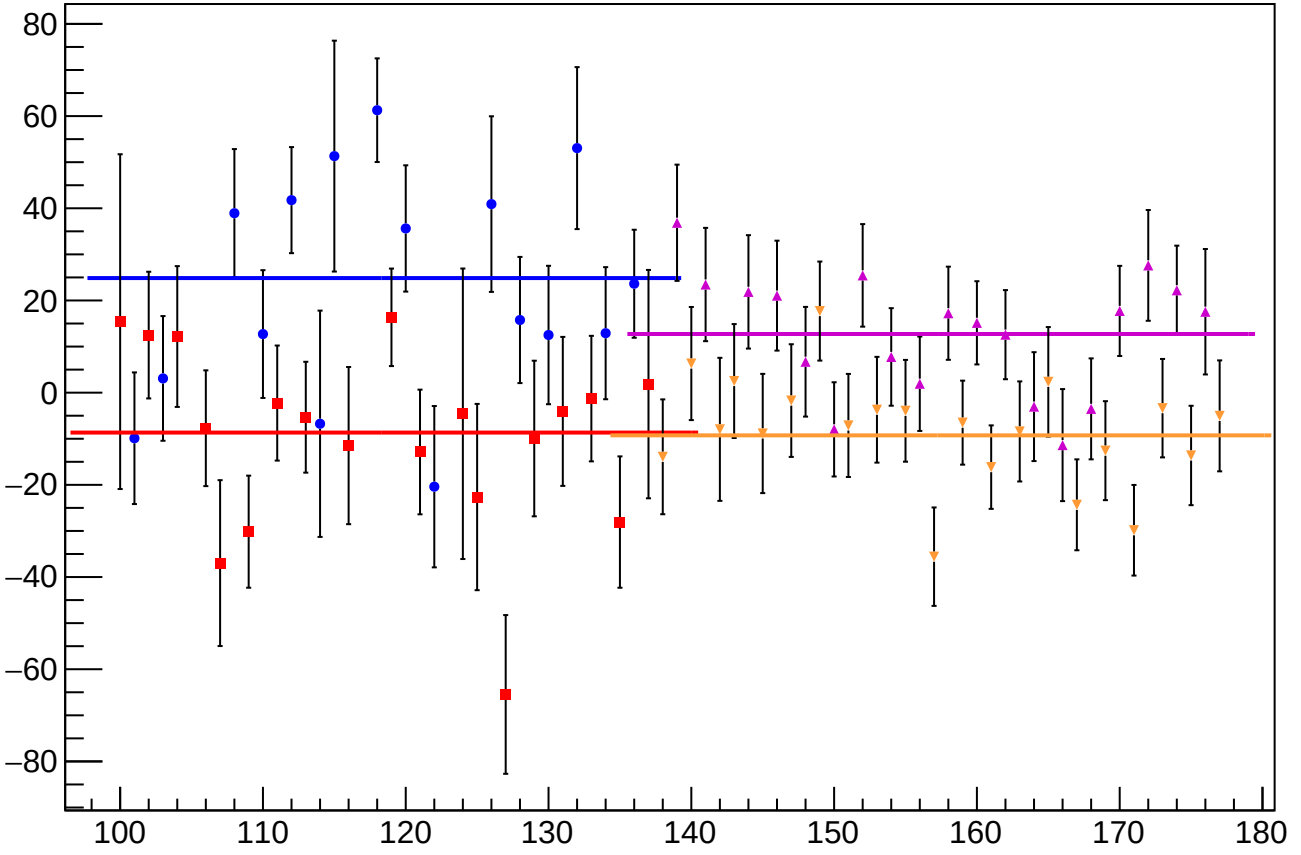
Left In: 1154.075+/-0.212 χ^2/NDF:1251967.9/18

+ sign 1156.179+/-0.170 χ^2/NDF: 1522084.3/36

All: 1162.366+/-0.122 χ^2/NDF: 2829683.1/74

- sign 1168.905+/-0.175 χ^2/NDF: 1304887.6/37

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.261+/-2.418 χ^2/NDF:25.0/20

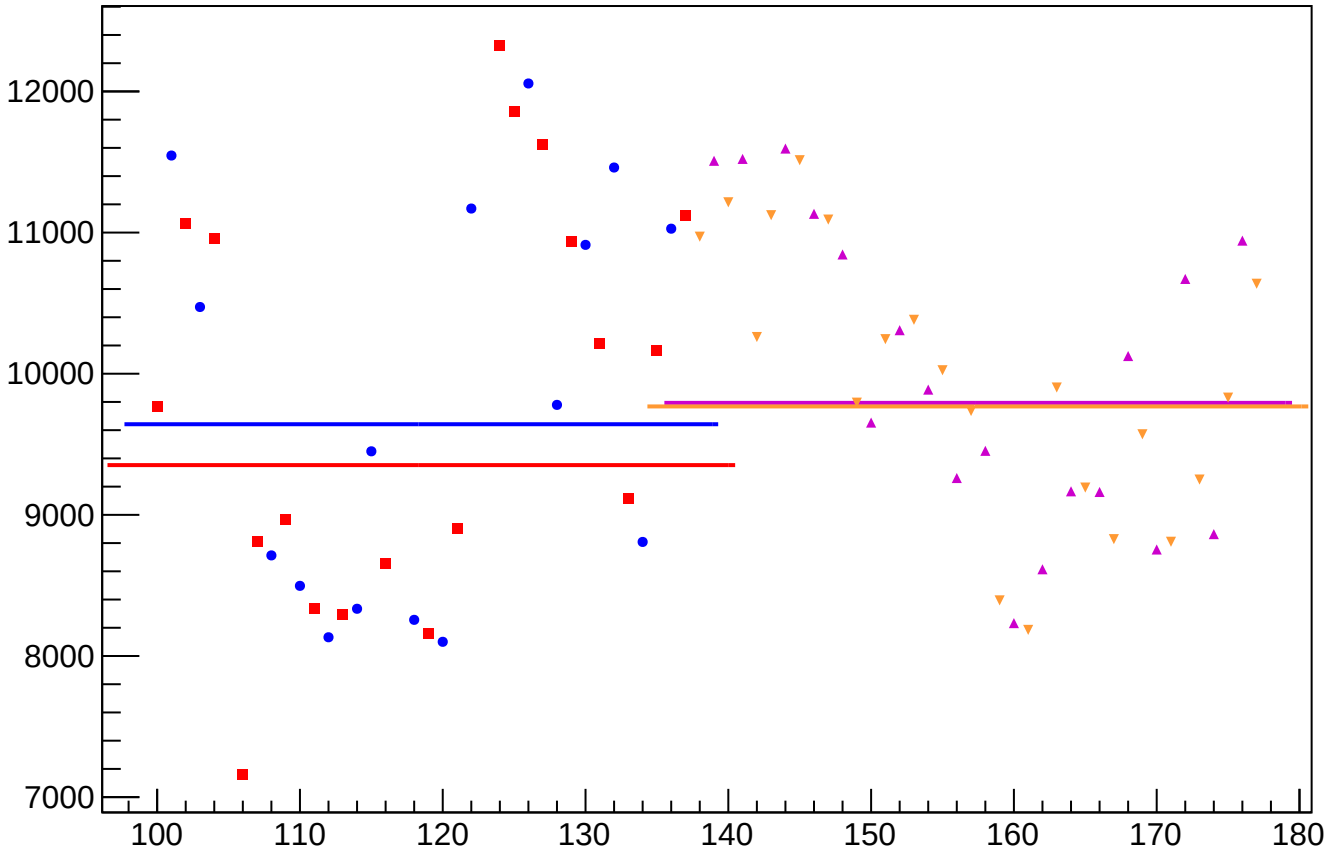
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 12.727+/-2.514 χ^2/NDF:23.5/18

+ sign 1.232+/-2.012 χ^2/NDF: 124.4/36

All: 3.255+/-1.430 χ^2/NDF: 205.1/74

- sign 5.321+/-2.032 χ^2/NDF: 78.7/37



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9768.158+/-1.710 χ^2/NDF:307486.7/20

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

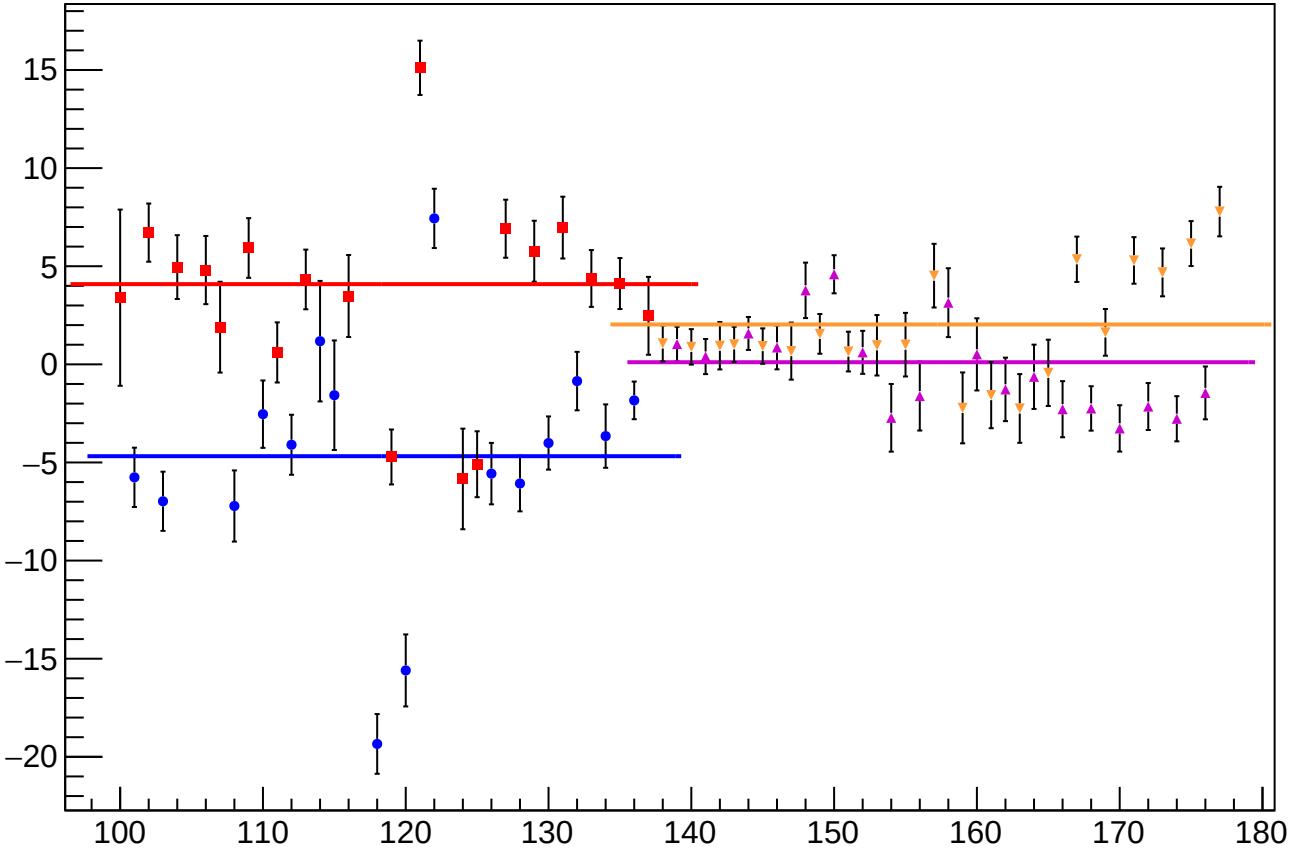
Left In: 9793.420+/-1.778 χ^2/NDF:341193.8/18

+ sign 9729.385+/-1.423 χ^2/NDF: 588816.8/36

All: 9685.504+/-1.011 χ^2/NDF: 1255020.1/74

- sign 9640.718+/-1.437 χ^2/NDF: 664280.7/37

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 2.031+/-0.260 χ^2/NDF:85.1/20

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

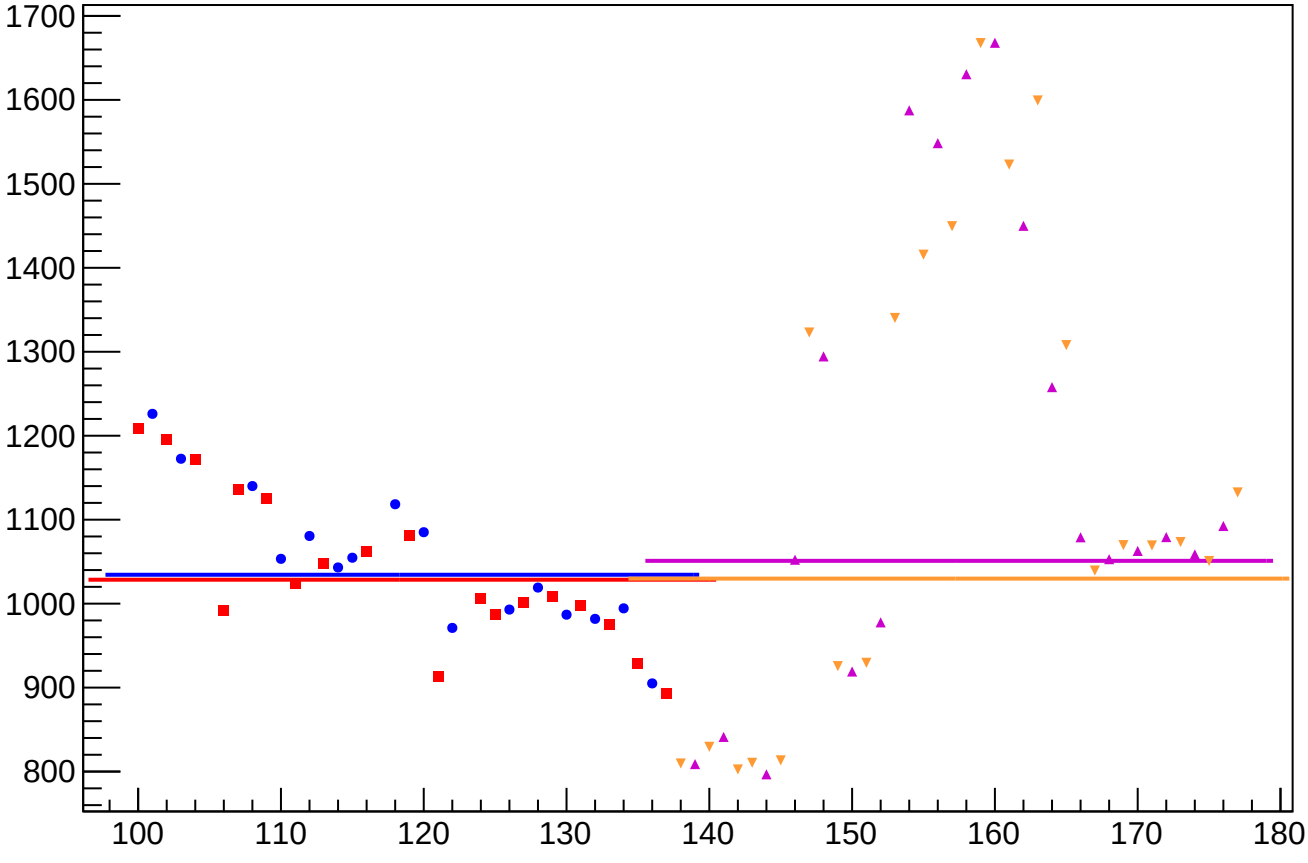
Left In: 0.108+/-0.275 χ^2/NDF:67.1/18

+ sign -0.070+/-0.216 χ^2/NDF: 514.2/36

All: 0.690+/-0.155 χ^2/NDF: 847.6/74

- sign 1.496+/-0.222 χ^2/NDF: 307.9/37

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1029.818+/-0.184 χ^2/NDF:1676715.7/20

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

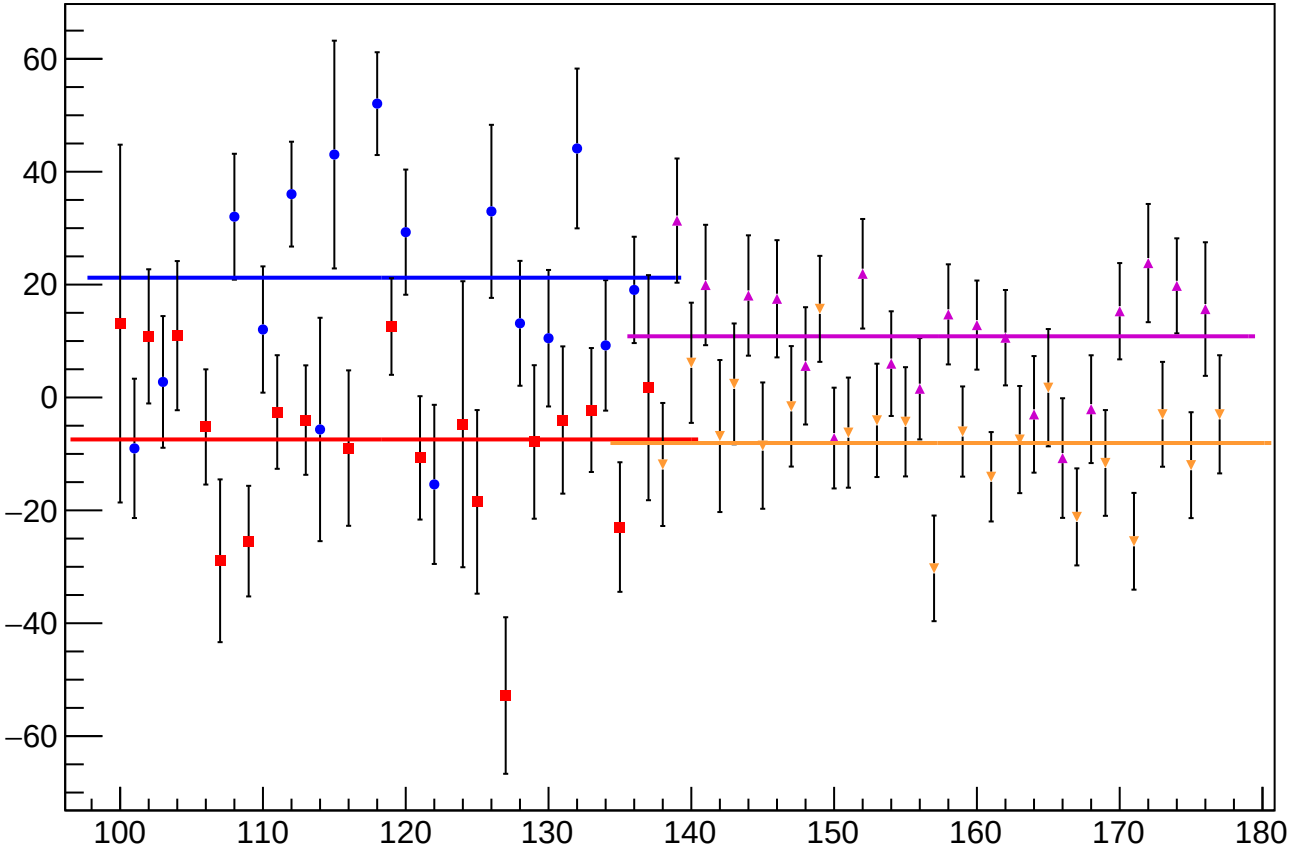
Left In: 1050.978+/-0.195 χ^2/NDF:1504865.4/18

+ sign 1031.254+/-0.153 χ^2/NDF: 1790188.3/36

All: 1037.024+/-0.109 χ^2/NDF: 3404267.9/74

- sign 1043.141+/-0.157 χ^2/NDF: 1611135.8/37

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.066+/-2.110 χ^2/NDF:24.5/20

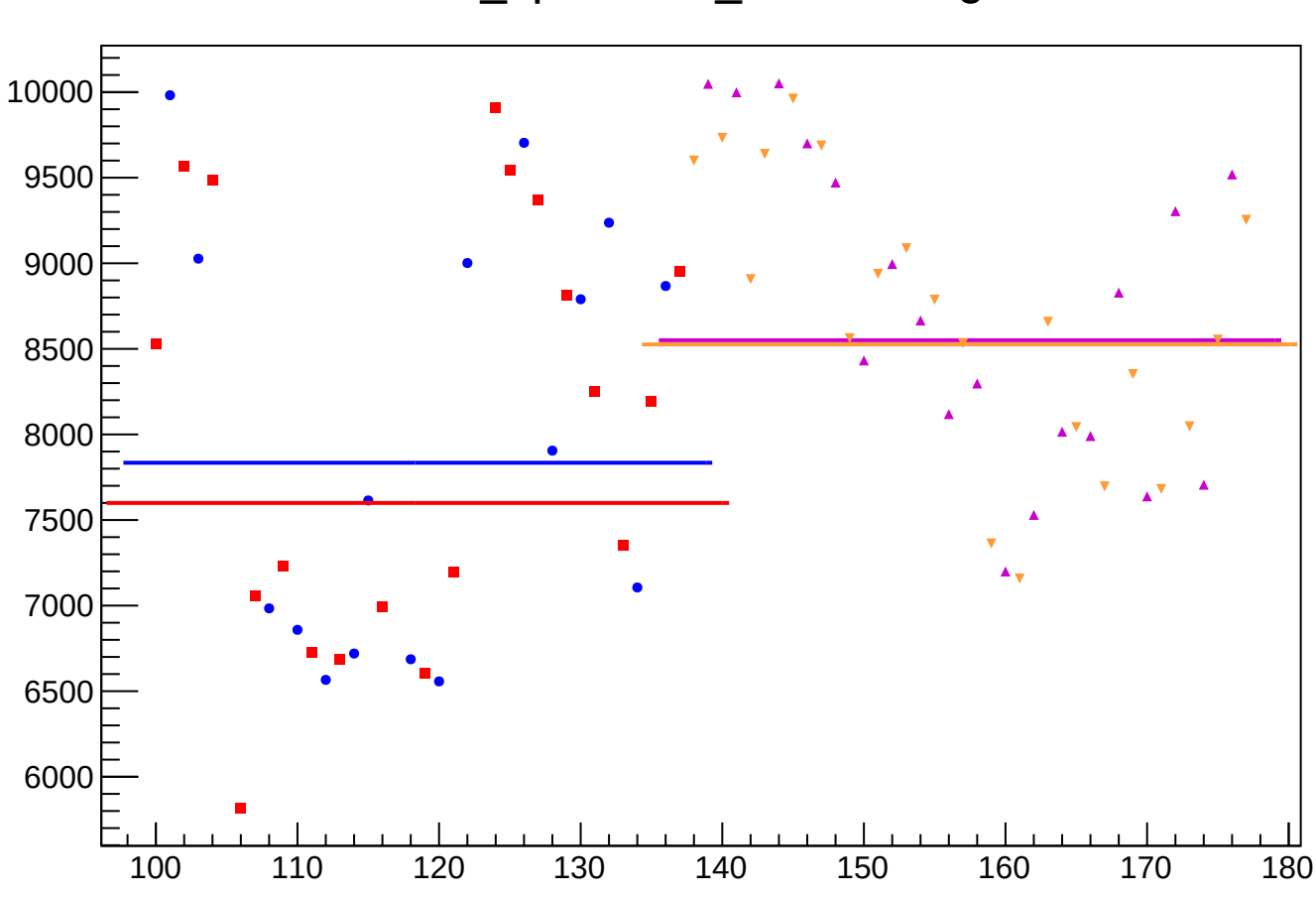
Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 10.841+/-2.194 χ^2/NDF:23.2/18

+ sign 1.837+/-1.716 χ^2/NDF: 129.7/36

All: 2.870+/-1.218 χ^2/NDF: 209.7/74

- sign 3.919+/-1.730 χ^2/NDF: 79.2/37



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8526.117+/-1.492 χ^2/NDF:296702.0/20

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

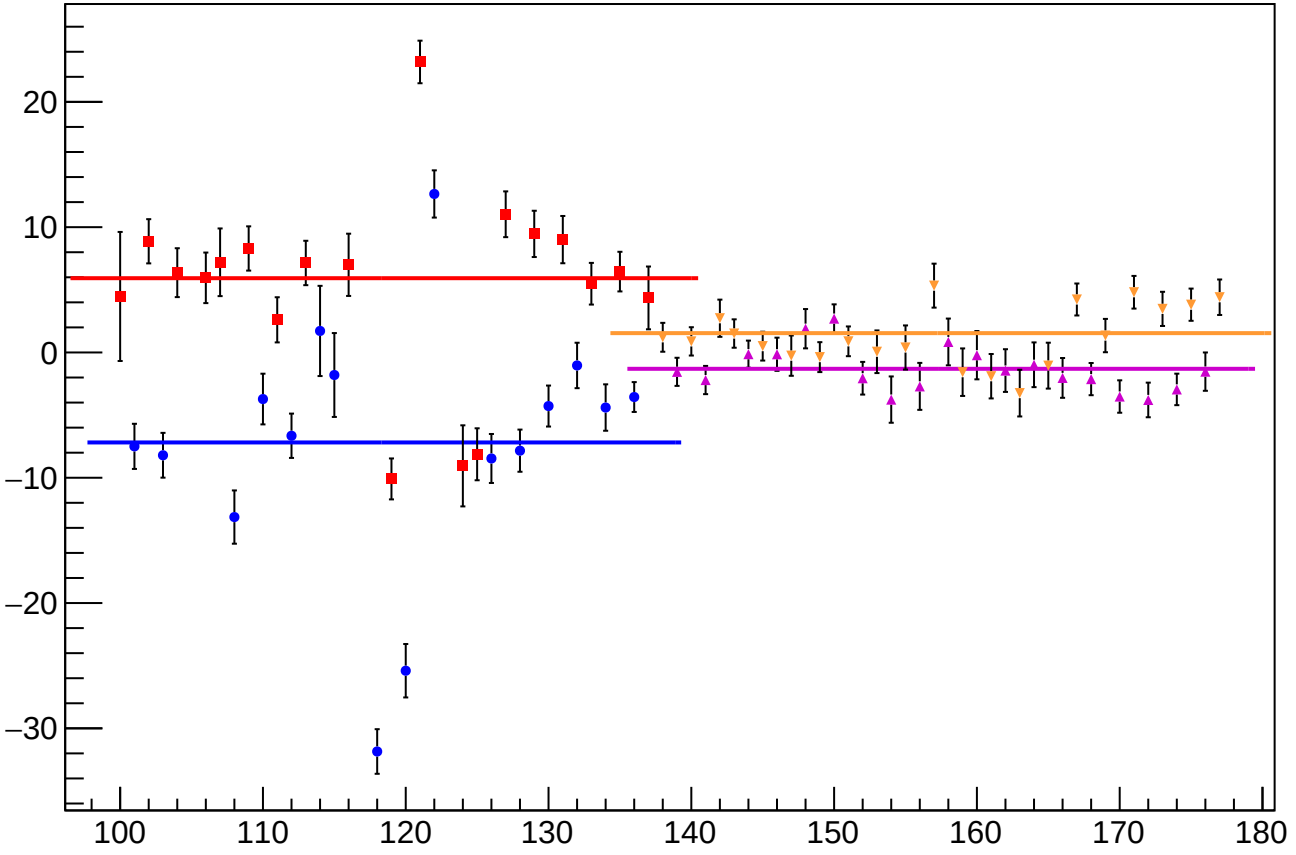
Left In: 8550.309+/-1.552 χ^2/NDF:332103.1/18

+ sign 8292.298+/-1.214 χ^2/NDF: 687437.5/36

All: 8241.682+/-0.861 χ^2/NDF: 1509494.9/74

- sign 8190.291+/-1.223 χ^2/NDF: 818552.4/37

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.543+/-0.303 χ^2/NDF:46.9/20

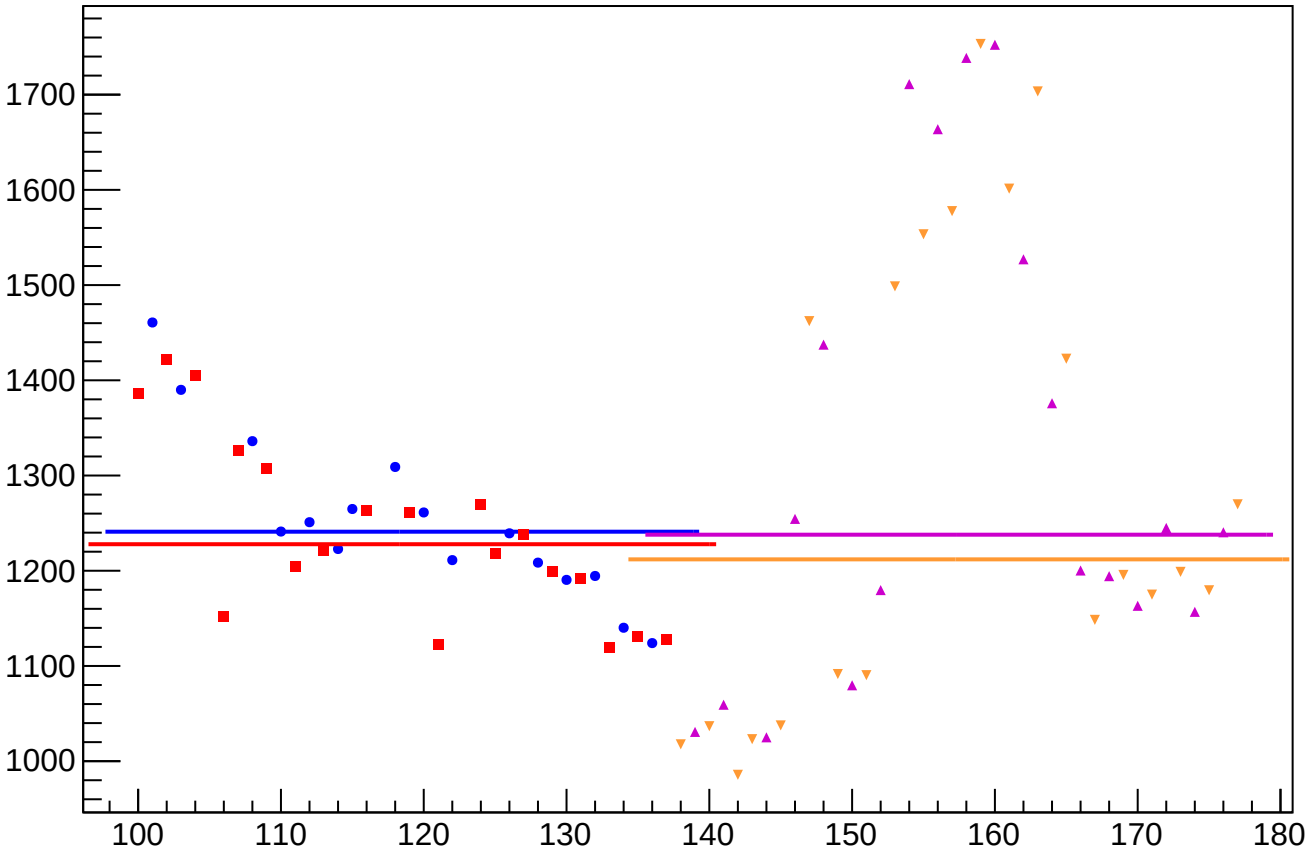
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -1.305+/-0.320 χ^2/NDF:32.0/18

+ sign -1.077+/-0.253 χ^2/NDF: 718.4/36

All: -0.004+/-0.182 χ^2/NDF: 1249.5/74

- sign 1.133+/-0.261 χ^2/NDF: 494.2/37



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1211.955+/-0.214 χ^2/NDF:997945.3/20

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

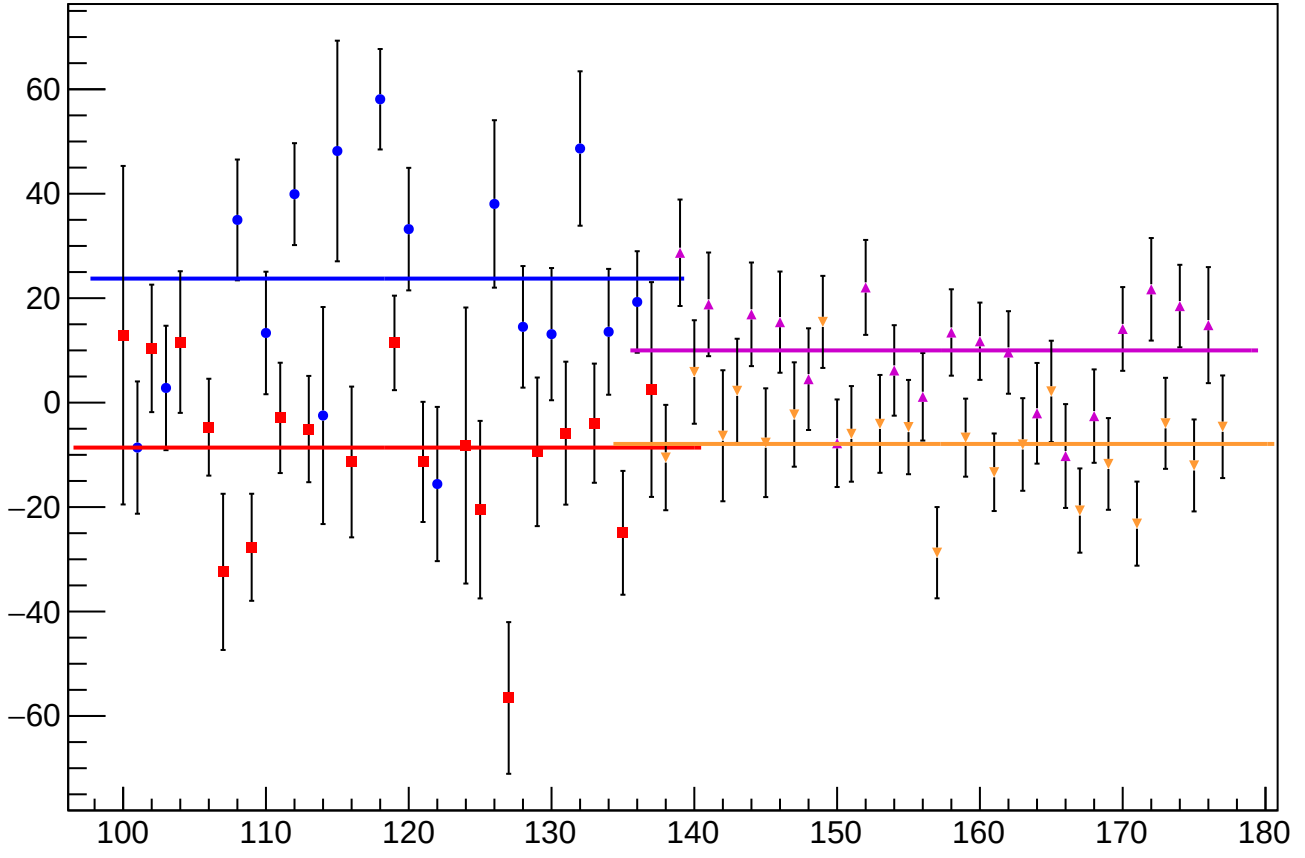
Left In: 1237.857+/-0.226 χ^2/NDF:879820.2/18

+ sign 1220.678+/-0.179 χ^2/NDF: 1084124.6/36

All: 1227.383+/-0.128 χ^2/NDF: 2049826.2/74

- sign 1234.489+/-0.184 χ^2/NDF: 962815.8/37

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -7.911+/-1.973 χ^2/NDF:24.9/20

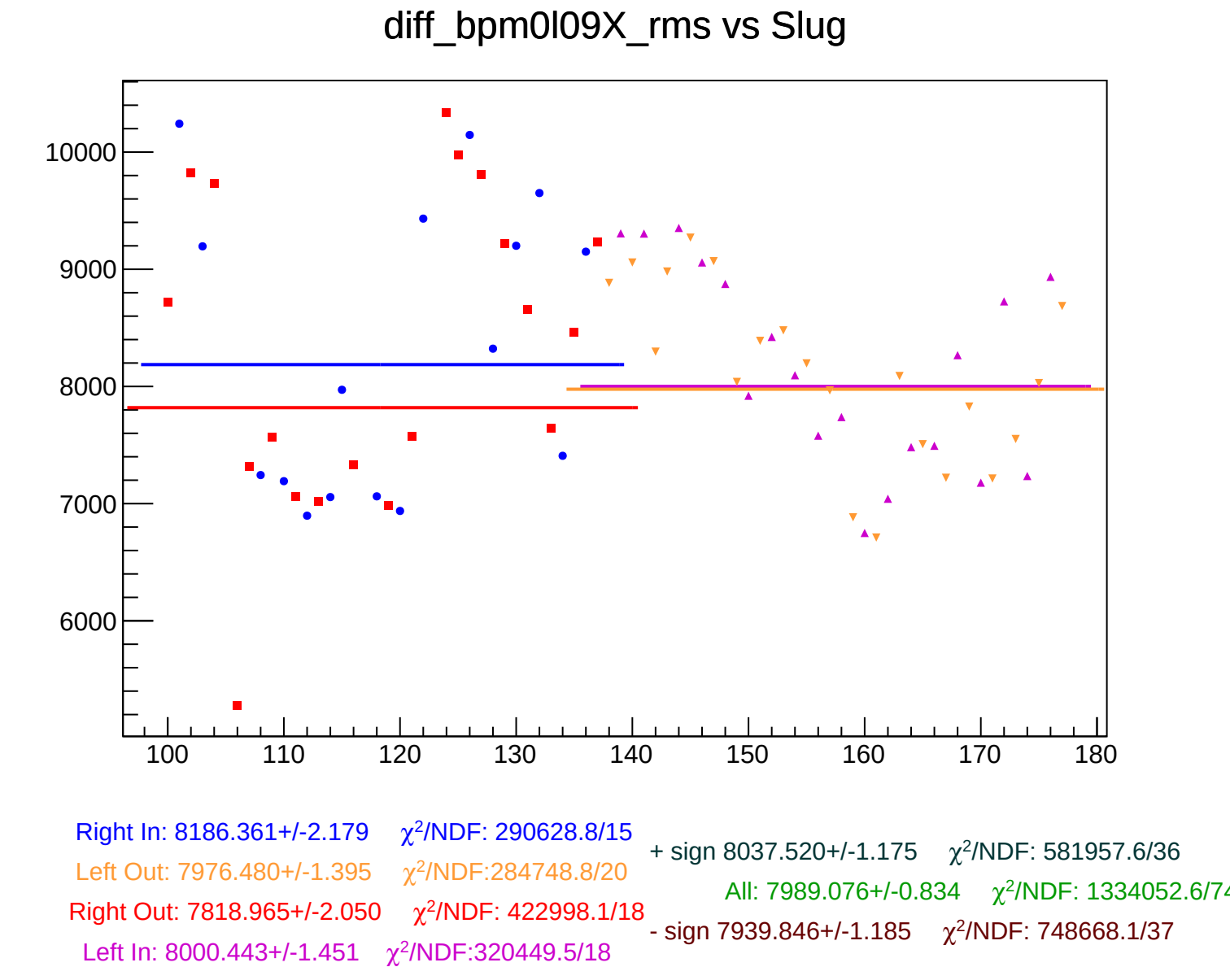
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 9.997+/-2.053 χ^2/NDF:23.8/18

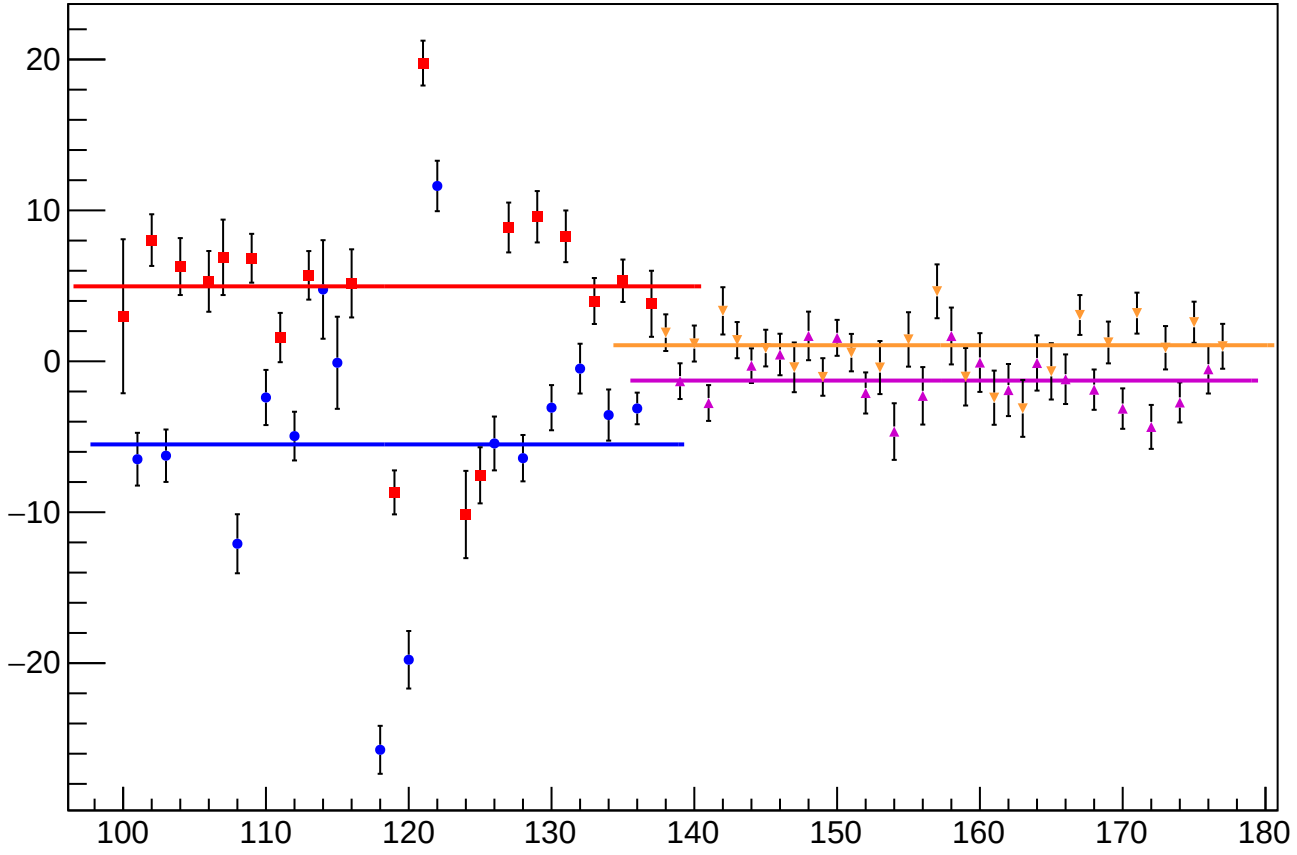
+ sign 1.297+/-1.662 χ^2/NDF: 143.2/36

All: 2.531+/-1.180 χ^2/NDF: 226.0/74

- sign 3.784+/-1.675 χ^2/NDF: 81.7/37


diff_bpm0l09X_rms vs Slug
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
170
180
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 7976.480+/-1.395 χ²/NDF:284748.8/20
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8000.443+/-1.451 χ²/NDF:320449.5/18
+ sign 8037.520+/-1.175 χ²/NDF: 581957.6/36
All: 7989.076+/-0.834 χ²/NDF: 1334052.6/74
- sign 7939.846+/-1.185 χ²/NDF: 748668.1/37

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.065+/-0.316 χ^2/NDF:28.0/20

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

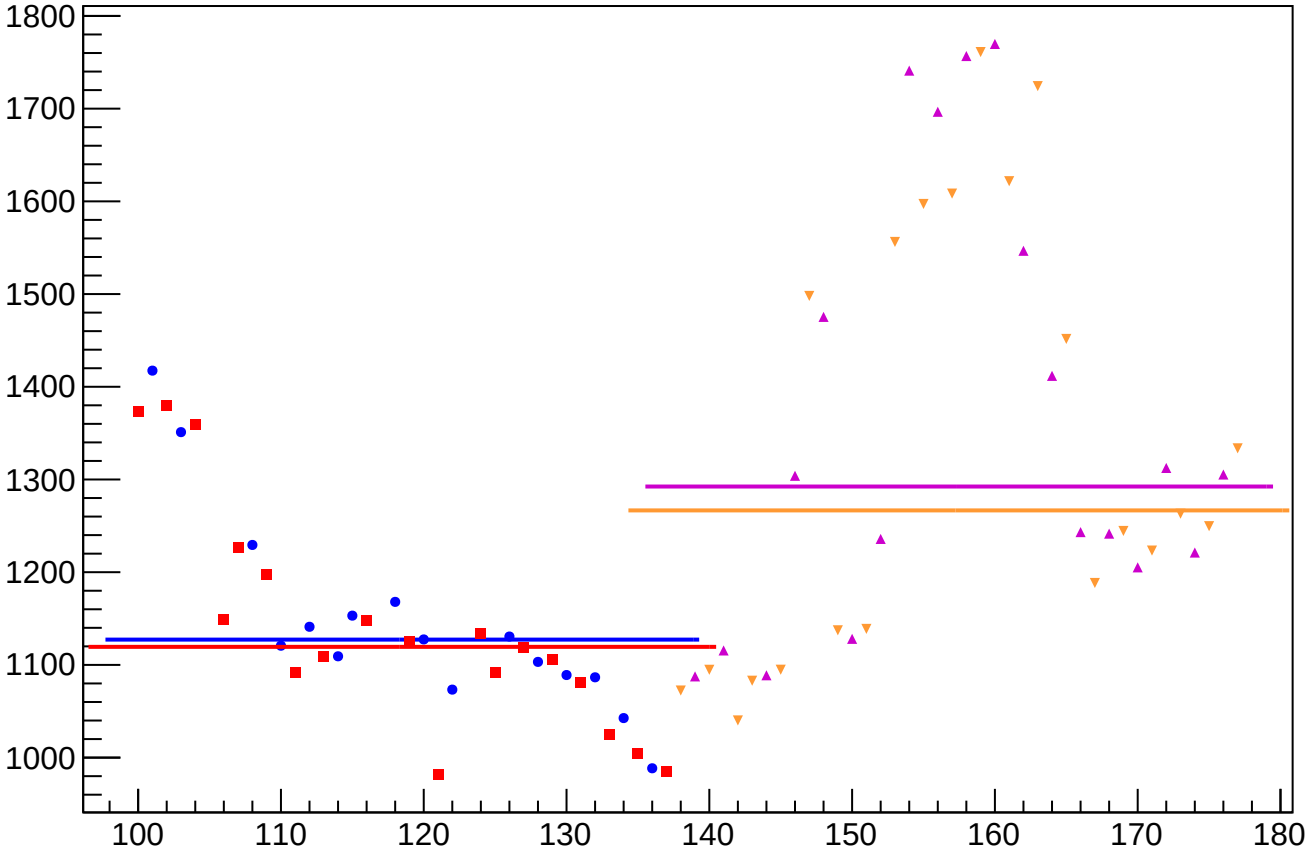
Left In: -1.276+/-0.333 χ^2/NDF:28.2/18

+ sign -1.300+/-0.253 χ^2/NDF: 553.9/36

All: -0.077+/-0.181 χ^2/NDF: 1056.9/74

- sign 1.207+/-0.259 χ^2/NDF: 454.9/37

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1266.652+/-0.223 χ^2/NDF:862954.6/20

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

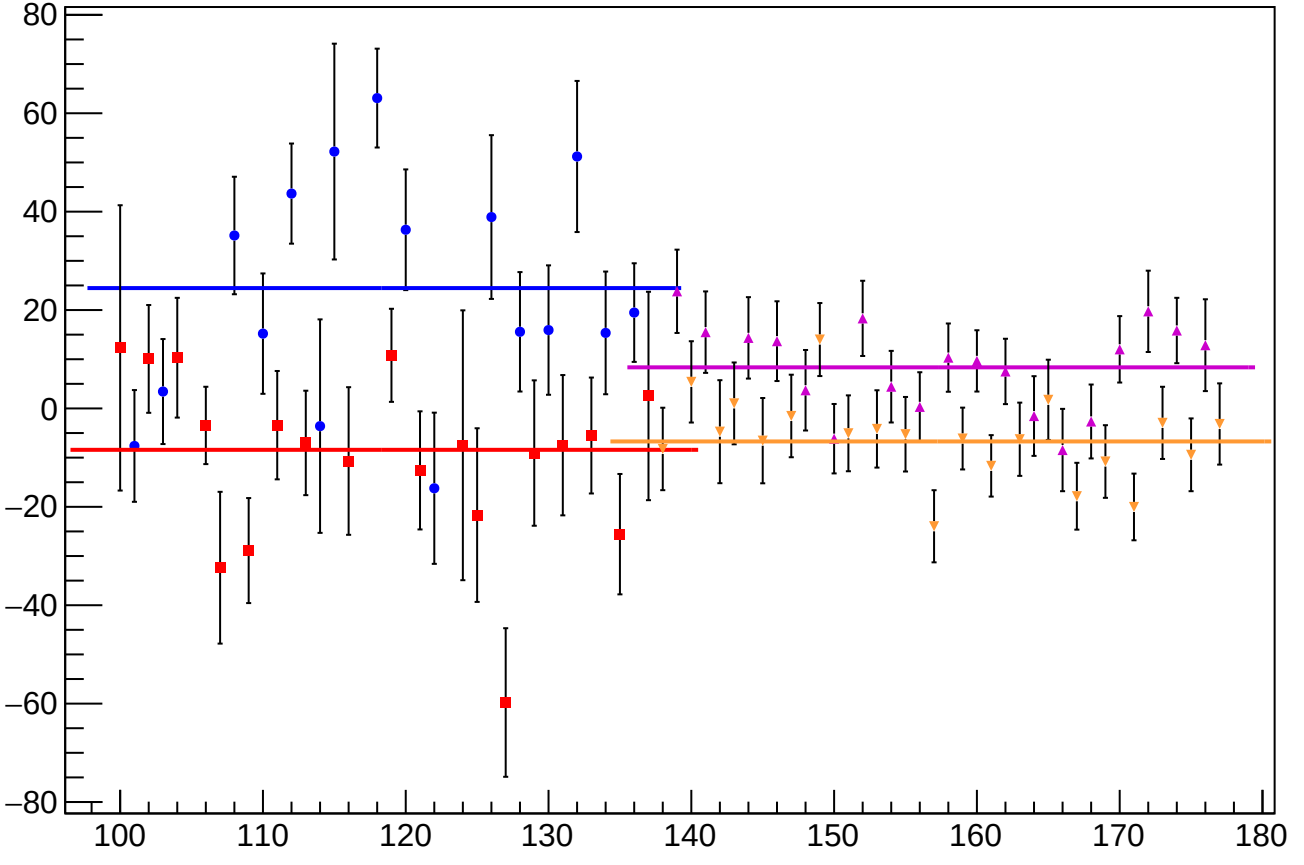
Left In: 1292.409+/-0.236 χ^2/NDF:752319.7/18

+ sign 1216.485+/-0.179 χ^2/NDF: 1143920.0/36

All: 1219.970+/-0.128 χ^2/NDF: 2251707.5/74

- sign 1223.629+/-0.183 χ^2/NDF: 1107006.6/37

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.708+/-1.656 χ^2/NDF:26.1/20

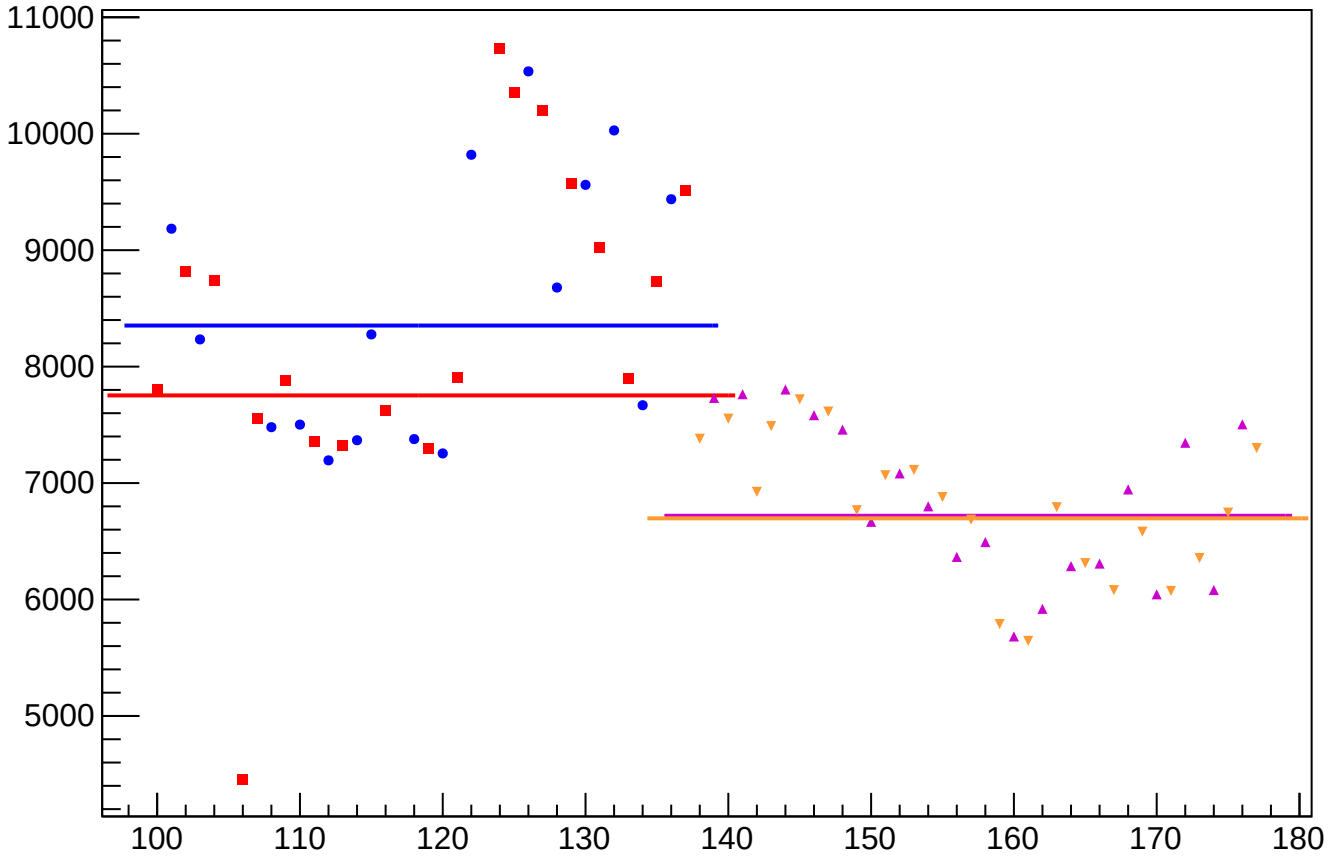
Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: 8.353+/-1.723 χ^2/NDF:24.4/18

+ sign 0.090+/-1.465 χ^2/NDF: 151.7/36

All: 2.003+/-1.041 χ^2/NDF: 235.5/74

- sign 3.958+/-1.480 χ^2/NDF: 80.3/37



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6697.079+/-1.171 χ^2/NDF:269382.0/20

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

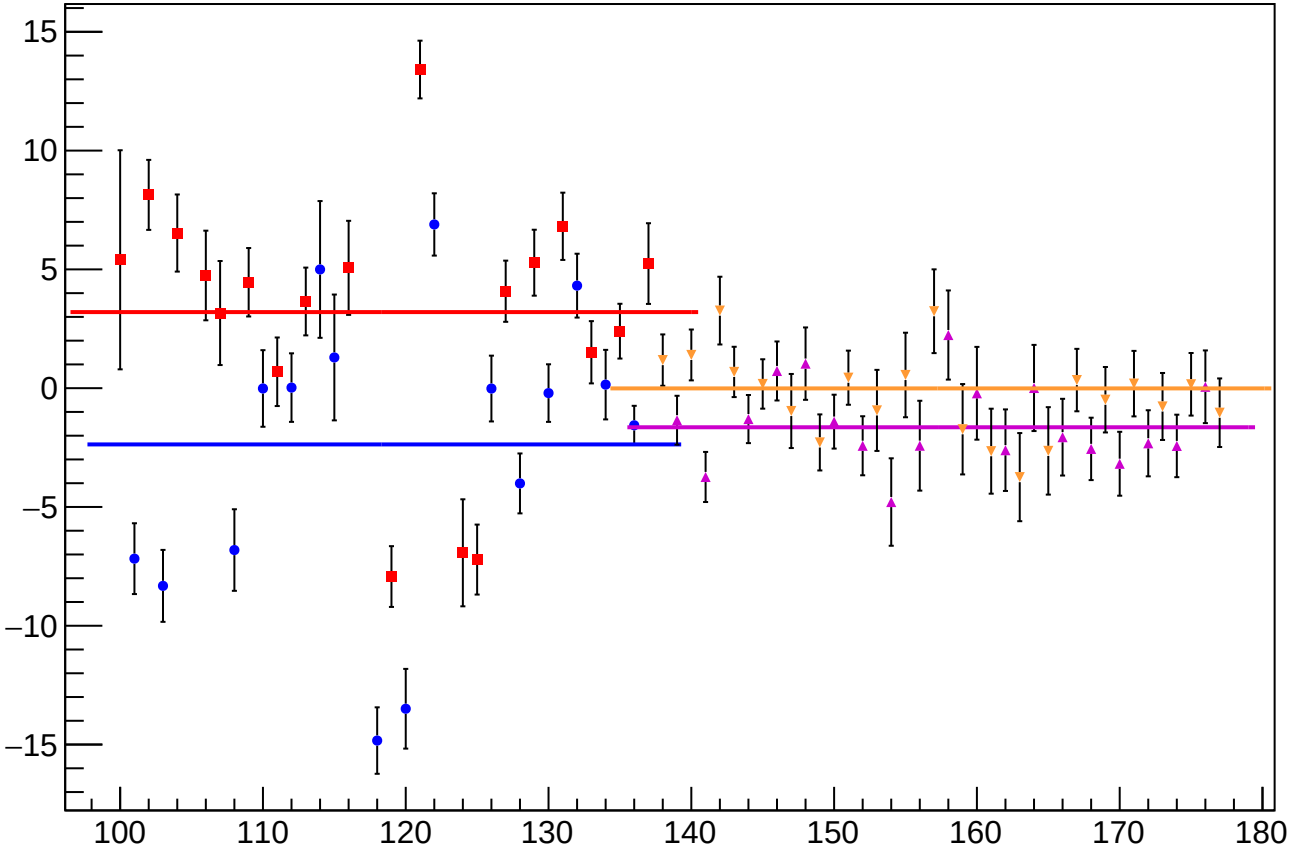
Left In: 6719.101+/-1.219 χ^2/NDF:306498.9/18

+ sign 7058.166+/-1.036 χ^2/NDF: 925654.5/36

All: 7024.483+/-0.736 χ^2/NDF: 2010983.2/74

- sign 6990.076+/-1.047 χ^2/NDF: 1083190.4/37

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.010+/-0.298 χ^2/NDF:26.8/20

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

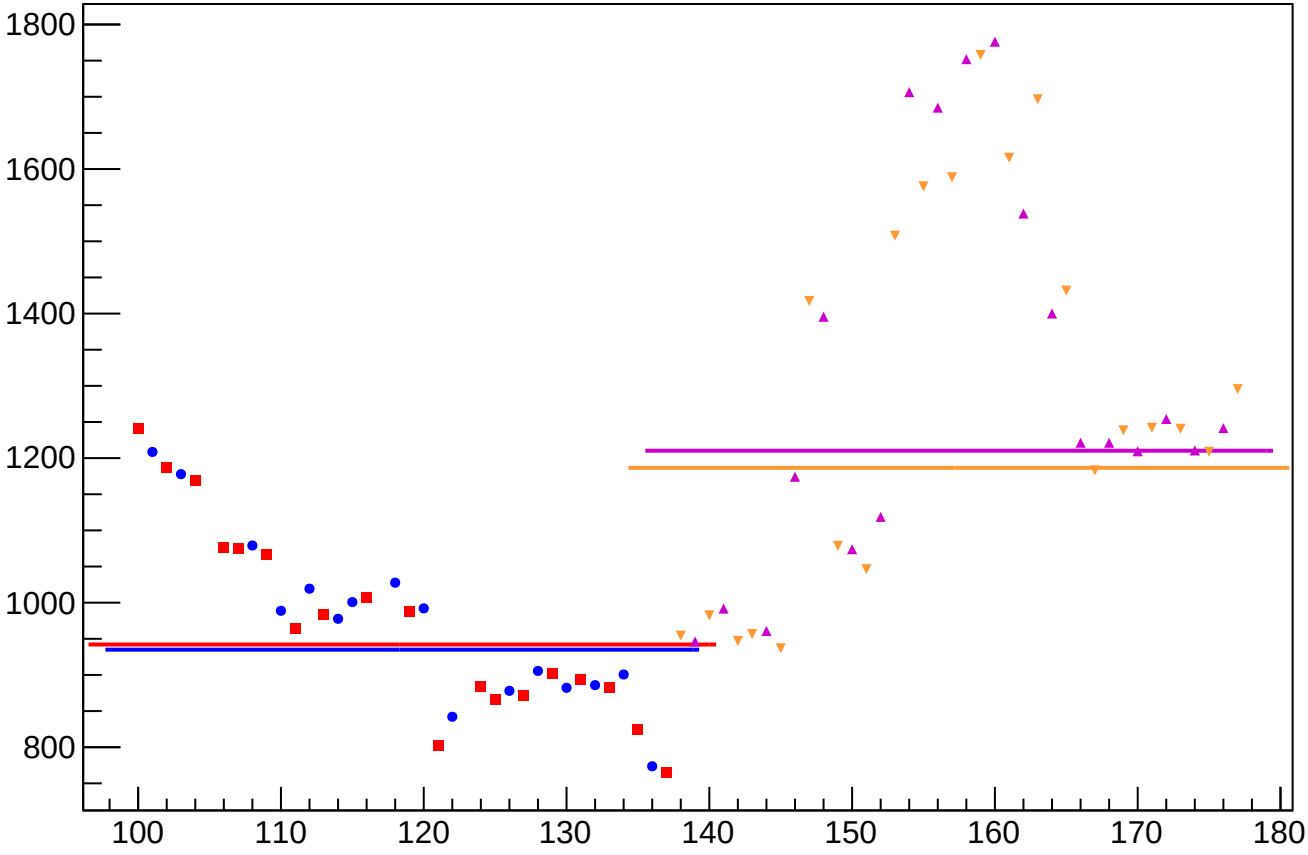
Left In: -1.645+/-0.314 χ^2/NDF:24.0/18

+ sign -0.998+/-0.227 χ^2/NDF: 308.7/36

All: -0.247+/-0.162 χ^2/NDF: 713.2/74

- sign 0.544+/-0.233 χ^2/NDF: 382.0/37

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1186.563+/-0.210 χ^2/NDF:1296115.5/20

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

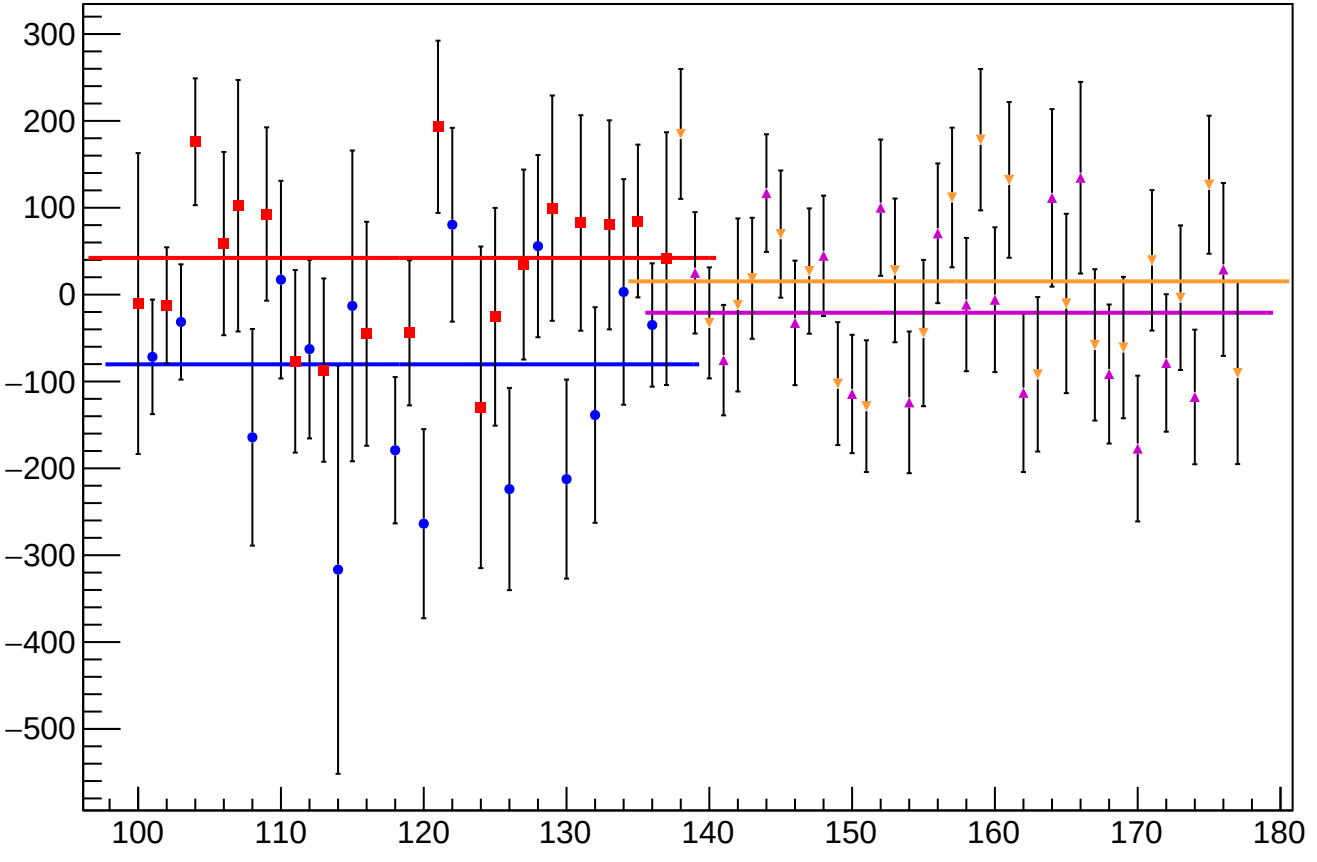
Left In: 1210.235+/-0.222 χ^2/NDF:1113956.8/18

+ sign 1081.124+/-0.160 χ^2/NDF: 2149255.2/36

All: 1085.044+/-0.115 χ^2/NDF: 4154321.3/74

- sign 1089.169+/-0.165 χ^2/NDF: 2003841.0/37

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 15.285+/-17.542 χ^2/NDF:26.6/20

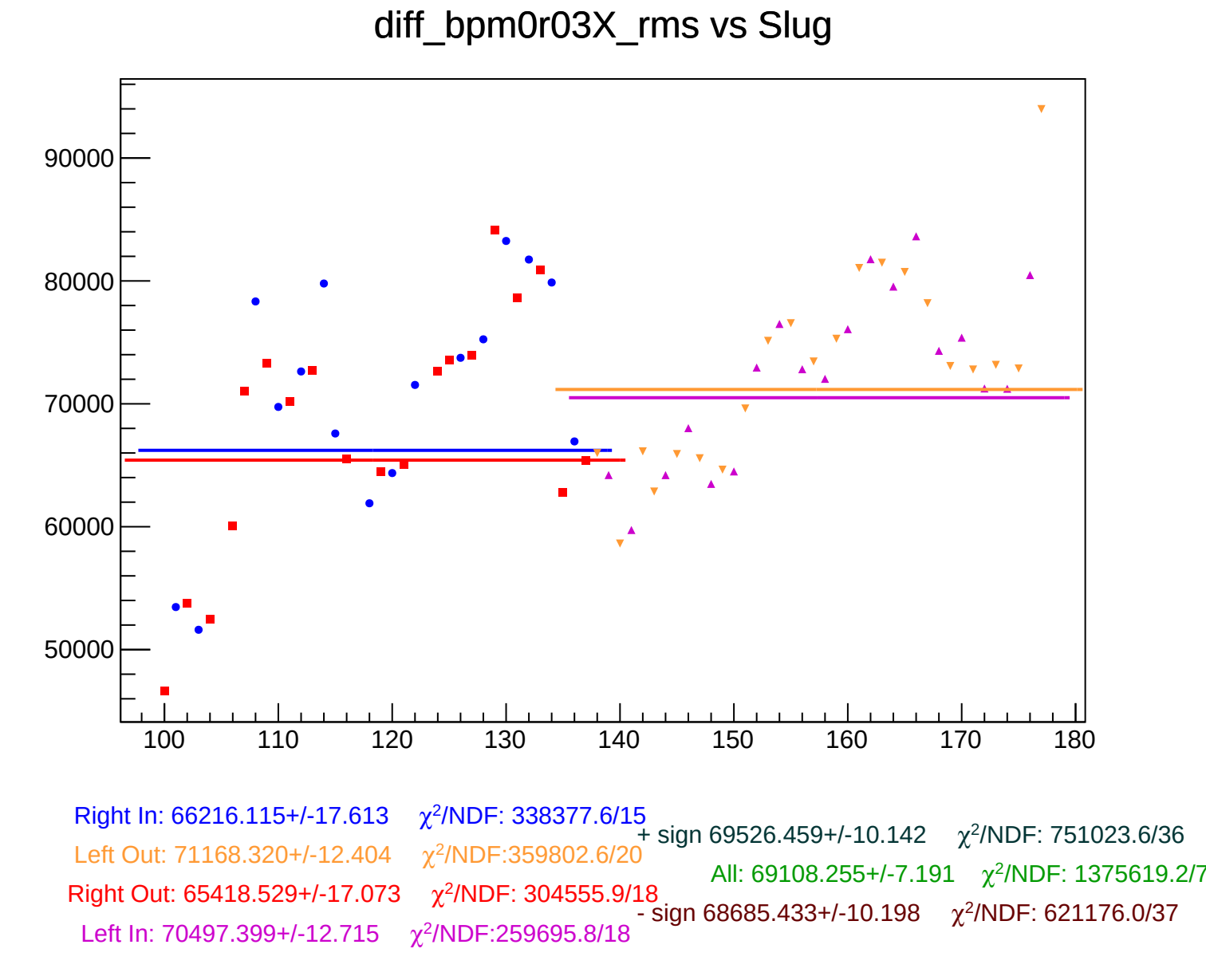
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -20.855+/-17.981 χ^2/NDF:24.7/18

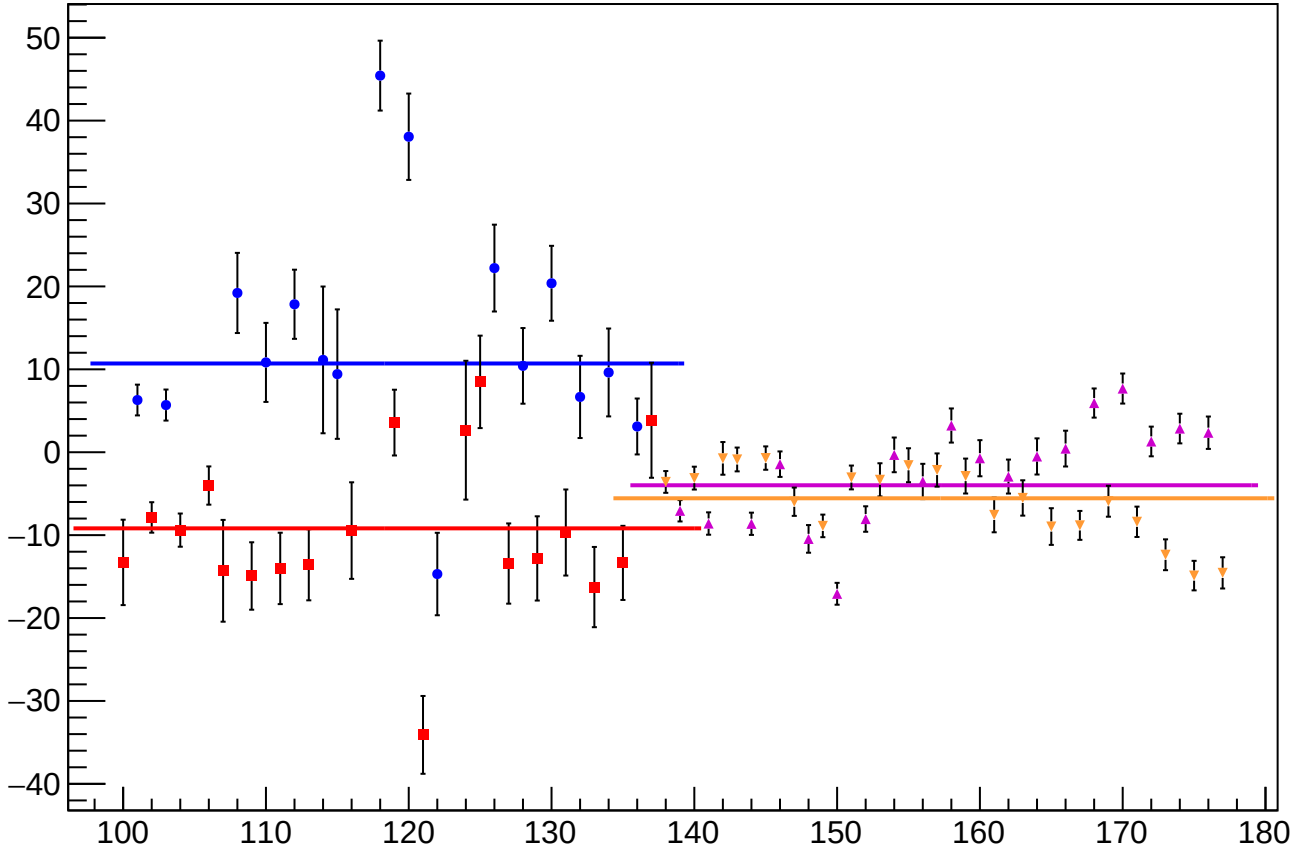
+ sign -16.389+/-14.342 χ^2/NDF: 51.2/36

All: -7.412+/-10.169 χ^2/NDF: 94.1/74

- sign 1.664+/-14.421 χ^2/NDF: 42.1/37


diff_bpm0r03X_rms vs Slug
90000
80000
70000
60000
50000
100
110
120
130
140
150
160
170
180
Right In: 66216.115+/-17.613 χ²/NDF: 338377.6/15
Left Out: 71168.320+/-12.404 χ²/NDF:359802.6/20
Right Out: 65418.529+/-17.073 χ²/NDF: 304555.9/18
Left In: 70497.399+/-12.715 χ²/NDF:259695.8/18
+ sign 69526.459+/-10.142 χ²/NDF: 751023.6/36
All: 69108.255+/-7.191 χ²/NDF: 1375619.2/7
- sign 68685.433+/-10.198 χ²/NDF: 621176.0/37

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.555+/-0.374 χ^2/NDF:125.3/20

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

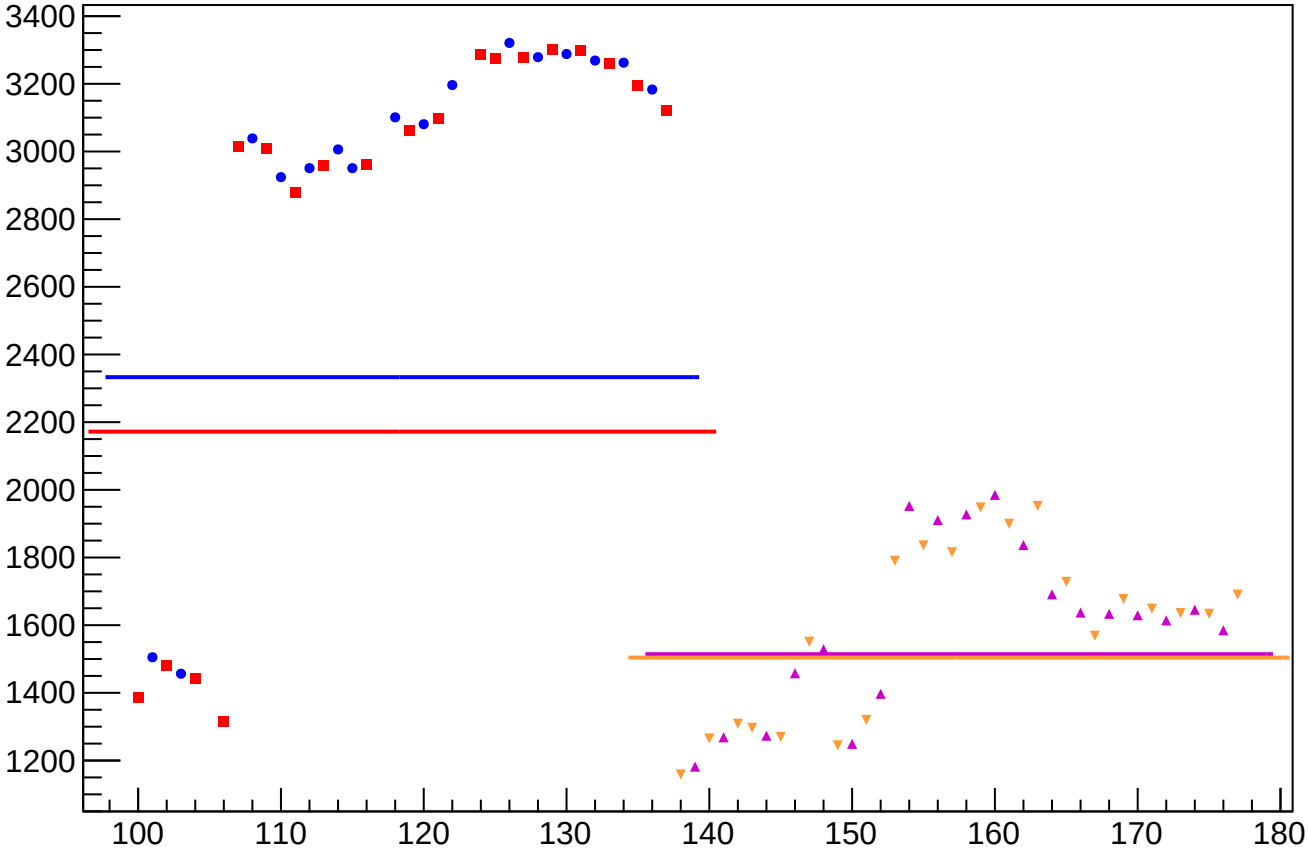
Left In: -3.985+/-0.390 χ^2/NDF:284.4/18

+ sign -3.248+/-0.347 χ^2/NDF: 548.6/36

All: -4.050+/-0.248 χ^2/NDF: 944.4/74

- sign -4.890+/-0.355 χ^2/NDF: 384.8/37

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1504.122+/-0.265 χ^2/NDF:905499.7/20

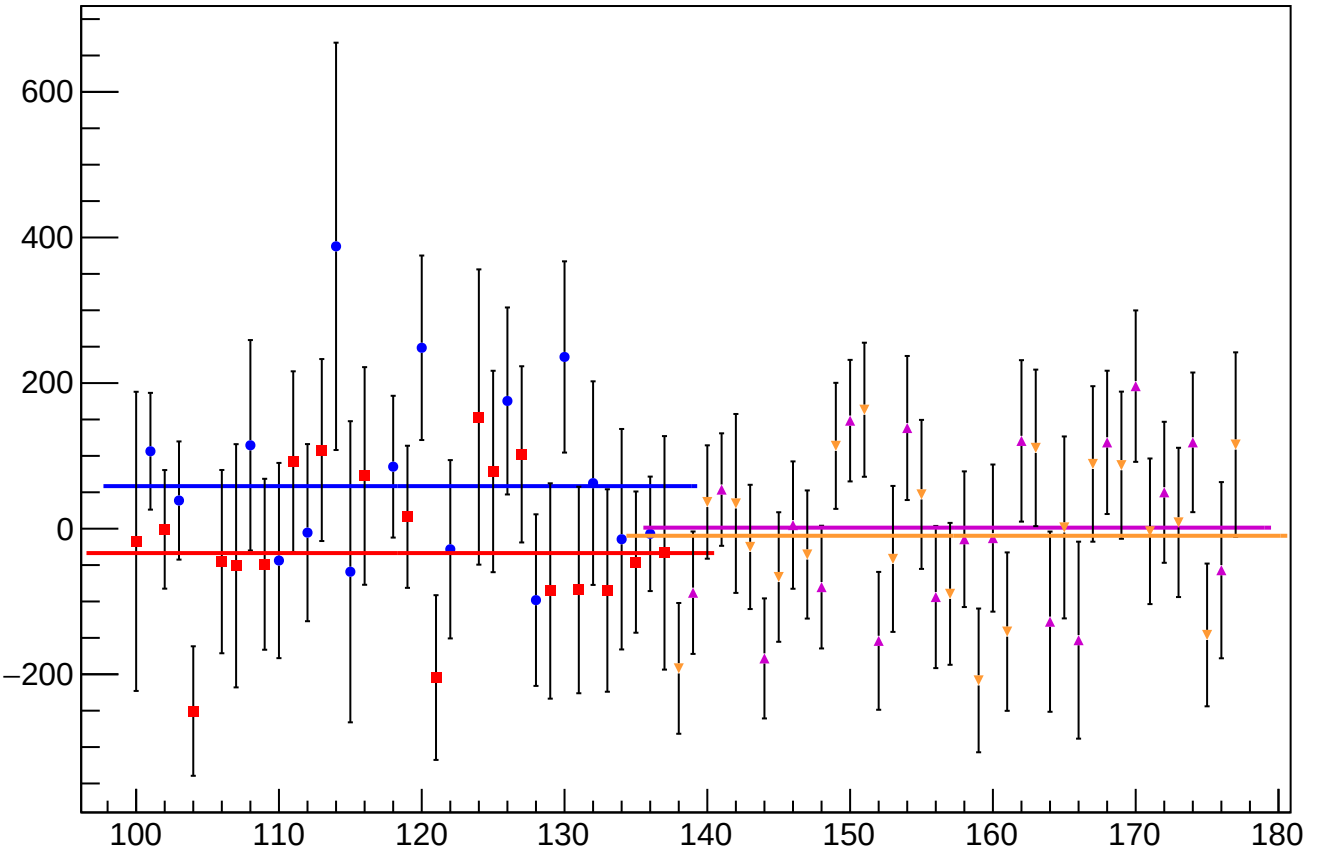
Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

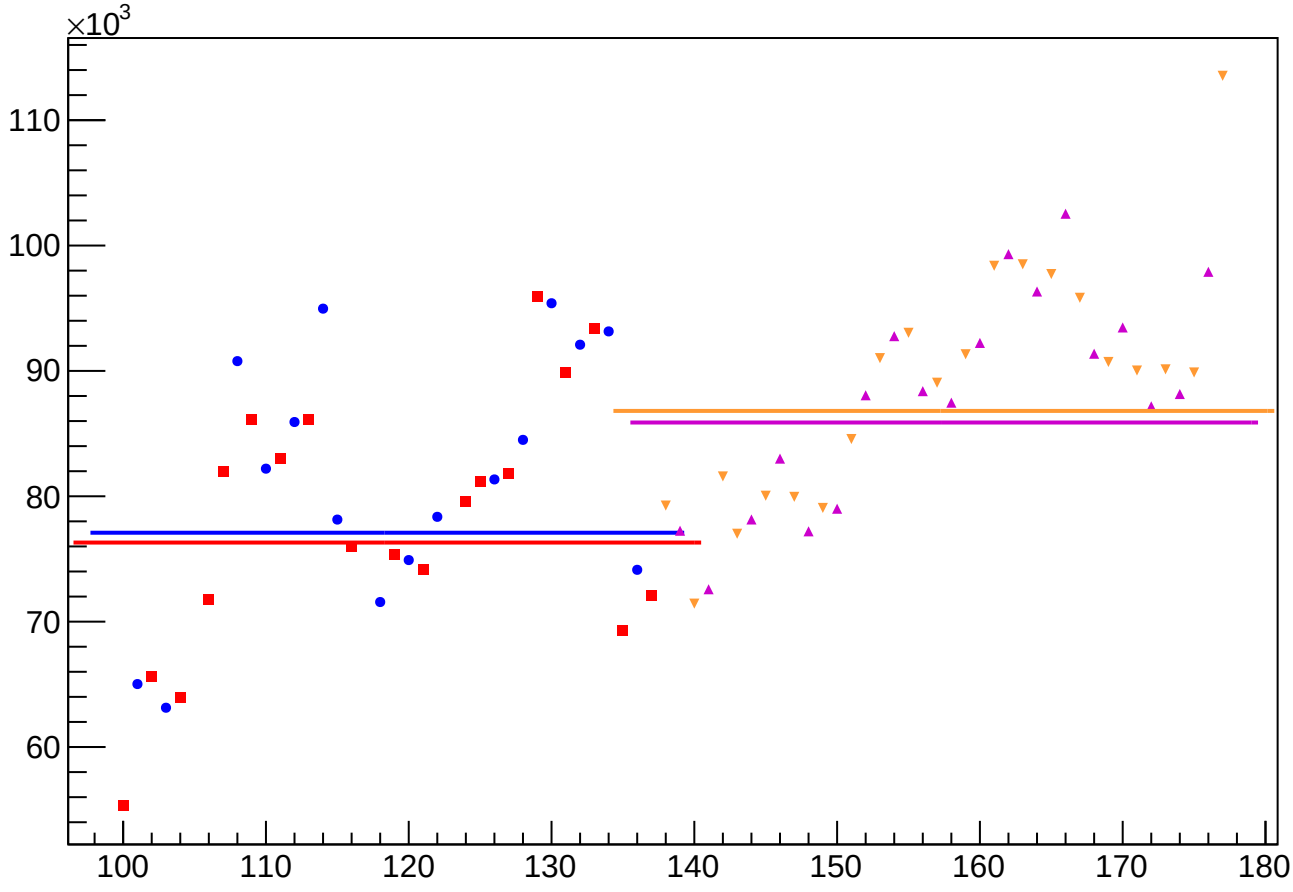
Left In: 1514.219+/-0.276 χ^2/NDF:796334.6/18

+ sign 1621.760+/-0.245 χ^2/NDF: 3948351.8/36

All: 1625.187+/-0.175 χ^2/NDF: 7718240.0/74

- sign 1628.773+/-0.251 χ^2/NDF: 3769488.6/37


diff_bpm0r05X_mean vs Slug
600
400
200
0
−200
100
110
120
130
140
150
160
170
180
Right In: 58.446+/-28.918 χ²/NDF: 11.3/15
Left Out: -9.742+/-21.399 χ²/NDF:23.3/20
Right Out: -33.520+/-28.106 χ²/NDF: 14.7/18
Left In: 1.401+/-21.911 χ²/NDF:26.4/18
+ sign 14.385+/-17.201 χ²/NDF: 38.2/36
All: 1.352+/-12.191 χ²/NDF: 81.4/74
- sign -11.800+/-17.280 χ²/NDF: 42.1/37



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 86809.198+/-15.131 χ^2/NDF:353087.8/20

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

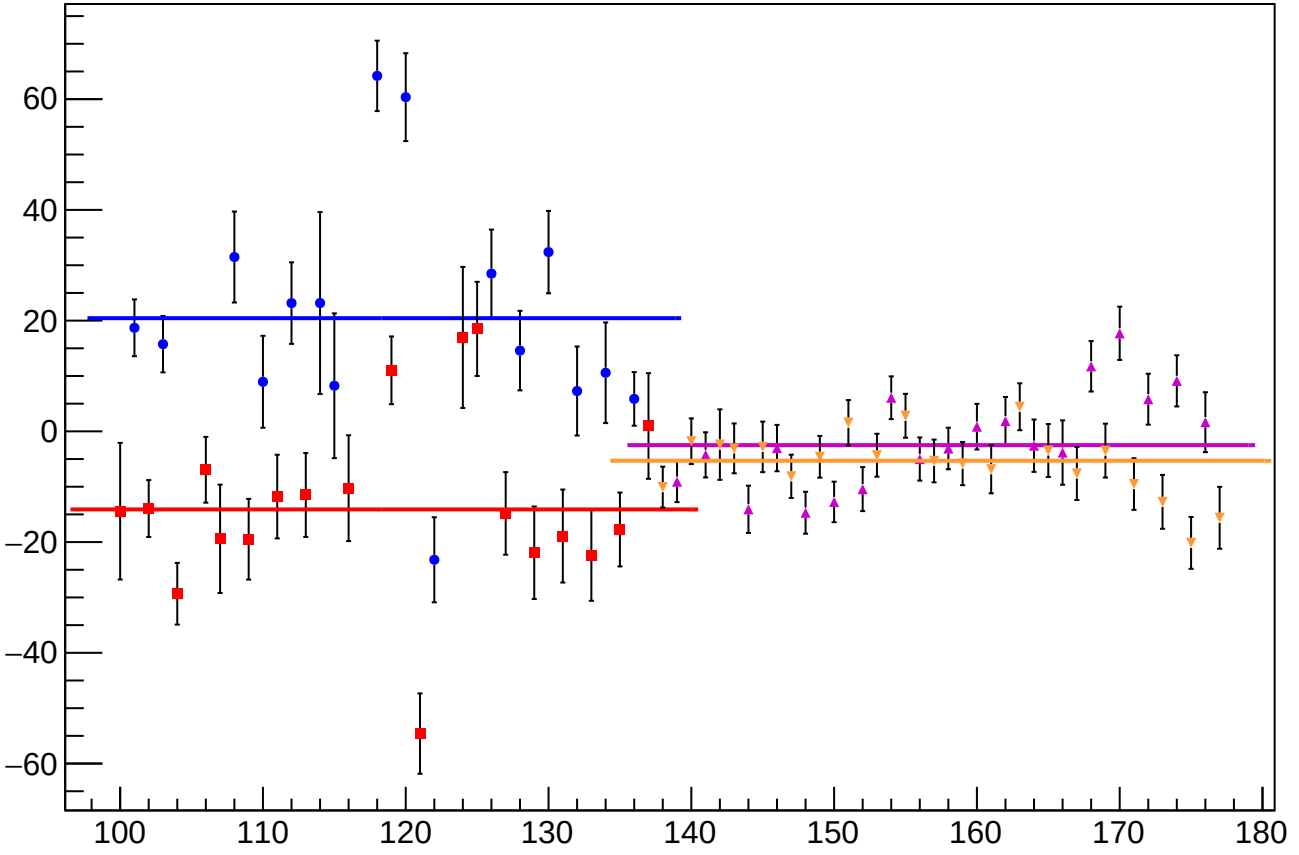
Left In: 85884.145+/-15.494 χ^2/NDF:267334.1/18

+ sign 83371.383+/-12.163 χ^2/NDF: 747523.9/36

All: 82820.425+/-8.620 χ^2/NDF: 1397802.9/7

- sign 82264.380+/-12.219 χ^2/NDF: 646156.3/37

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.316+/-0.946 χ^2/NDF:33.3/20

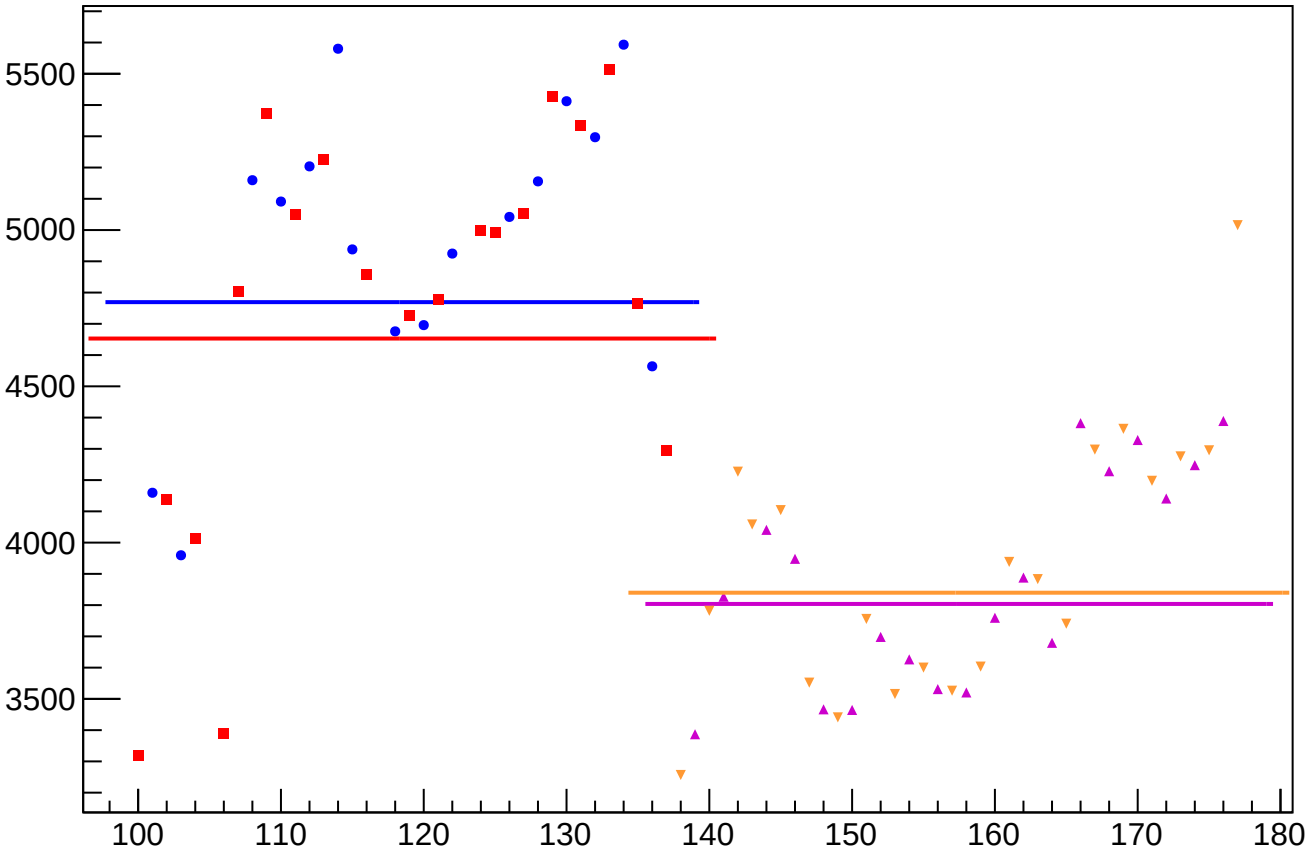
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -2.485+/-0.970 χ^2/NDF:77.6/18

+ sign 0.347+/-0.835 χ^2/NDF: 324.2/36

All: -2.450+/-0.594 χ^2/NDF: 542.9/74

- sign -5.304+/-0.844 χ^2/NDF: 196.1/37



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3839.726+/-0.669 χ^2/NDF:323943.4/20

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

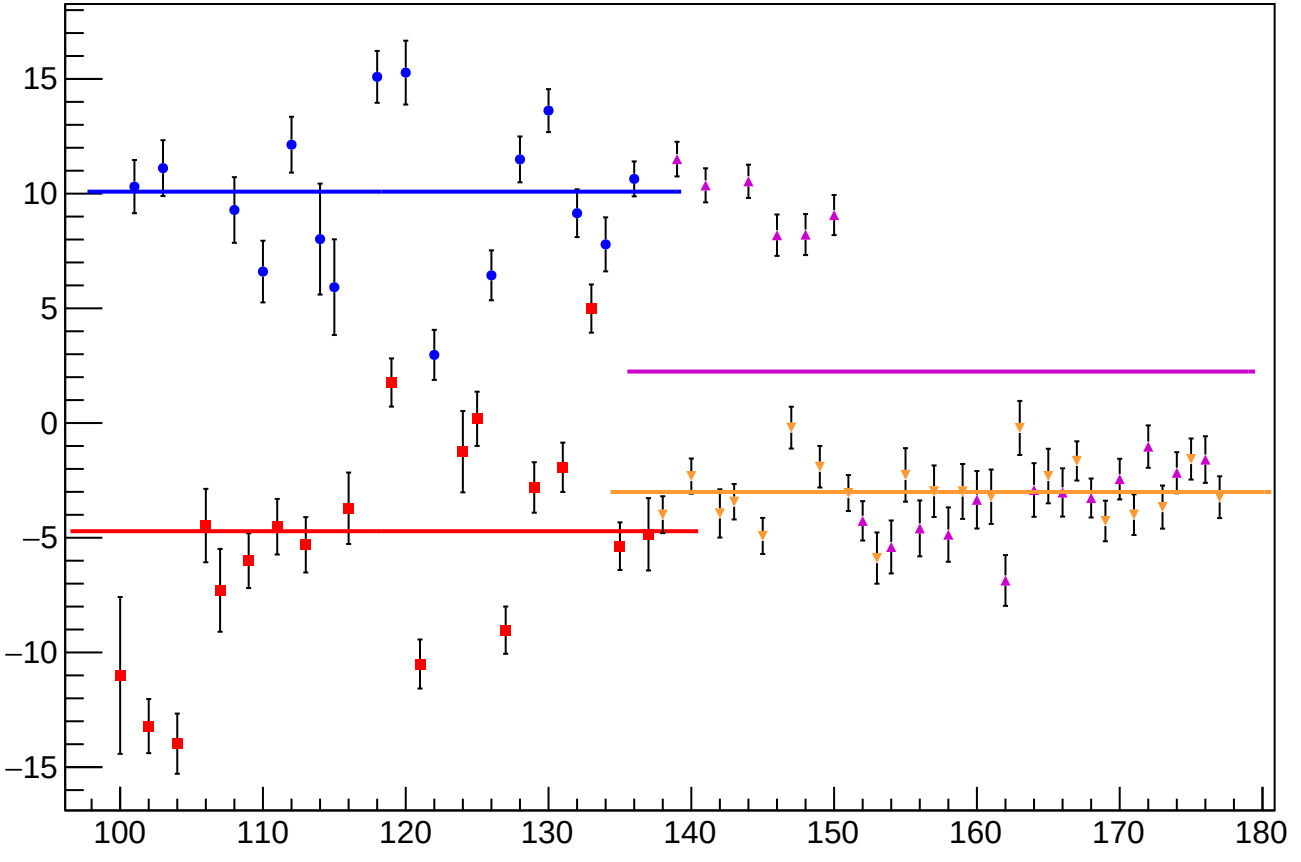
Left In: 3803.761+/-0.686 χ^2/NDF:209749.6/18

+ sign 4044.090+/-0.591 χ^2/NDF: 900300.9/36

All: 4027.136+/-0.420 χ^2/NDF: 1748784.8/74

- sign 4009.829+/-0.597 χ^2/NDF: 846819.6/37

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.005+/-0.203 χ^2/NDF:42.3/20

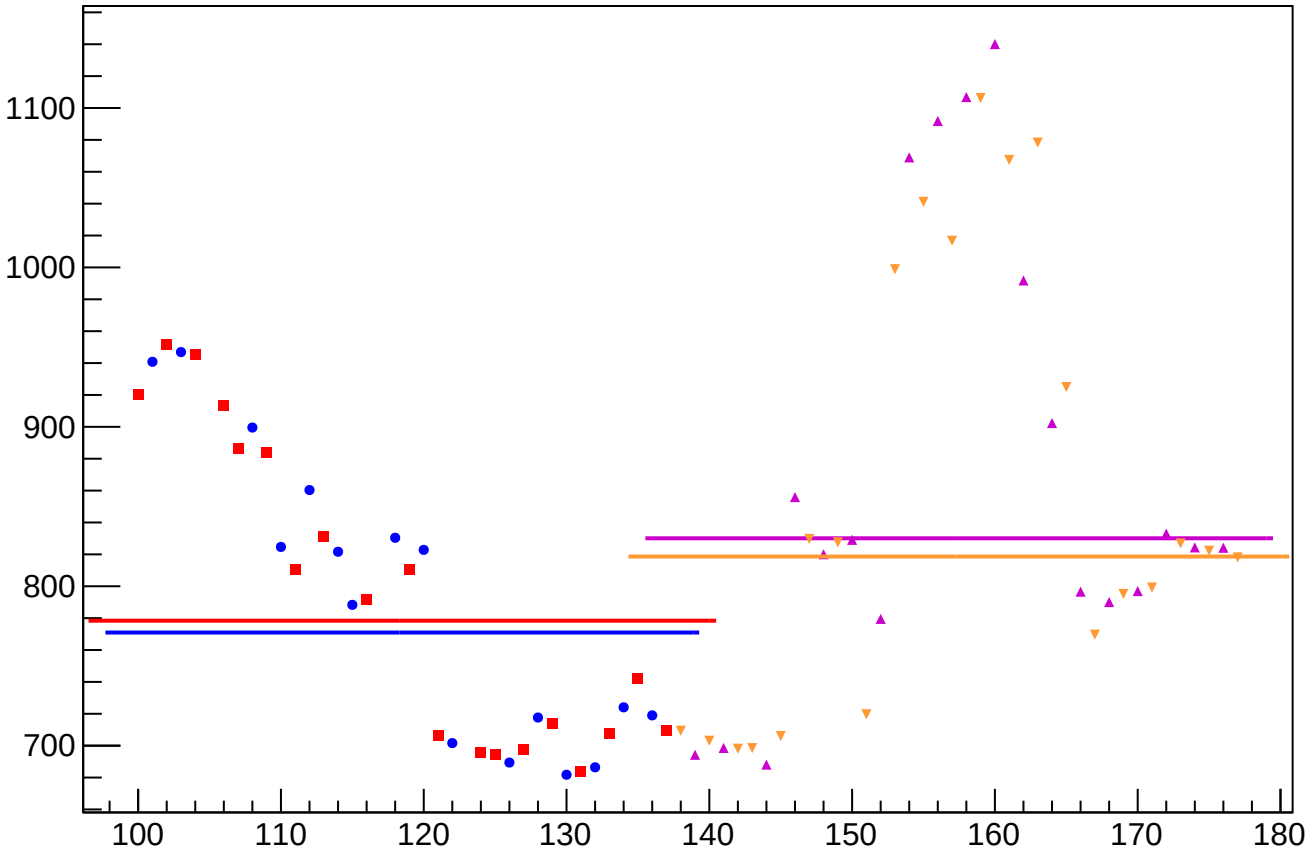
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 2.244+/-0.214 χ^2/NDF:971.8/18

+ sign 1.345+/-0.166 χ^2/NDF: 1542.3/36

All: 0.569+/-0.119 χ^2/NDF: 3249.4/74

- sign -0.253+/-0.171 χ^2/NDF: 1662.3/37



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.648+/-0.144 χ^2/NDF:743391.6/20

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

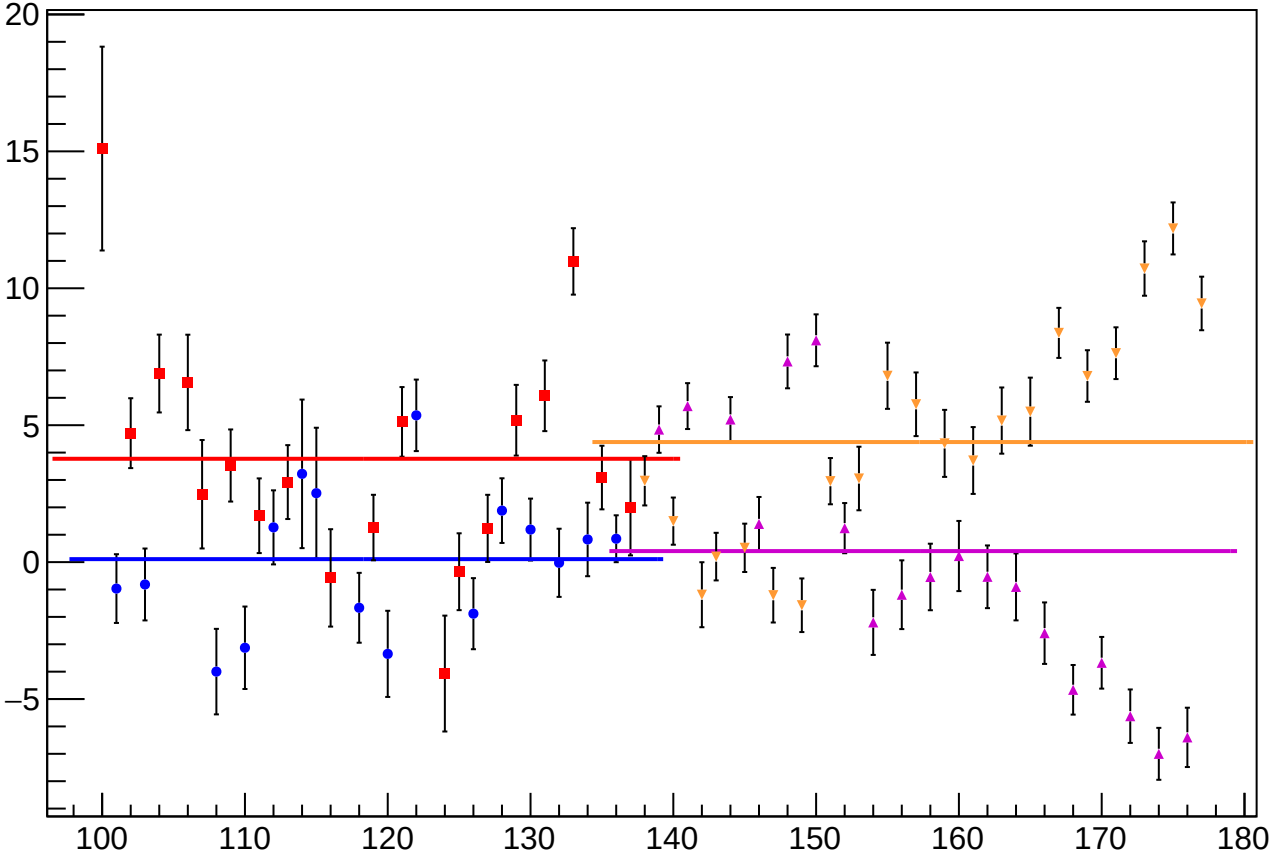
Left In: 830.087+/-0.151 χ^2/NDF:682081.6/18

+ sign 802.809+/-0.118 χ^2/NDF: 972804.9/36

All: 807.046+/-0.084 χ^2/NDF: 1896074.4/74

- sign 811.540+/-0.121 χ^2/NDF: 920590.9/37

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 4.385+/-0.219 χ^2/NDF:330.1/20

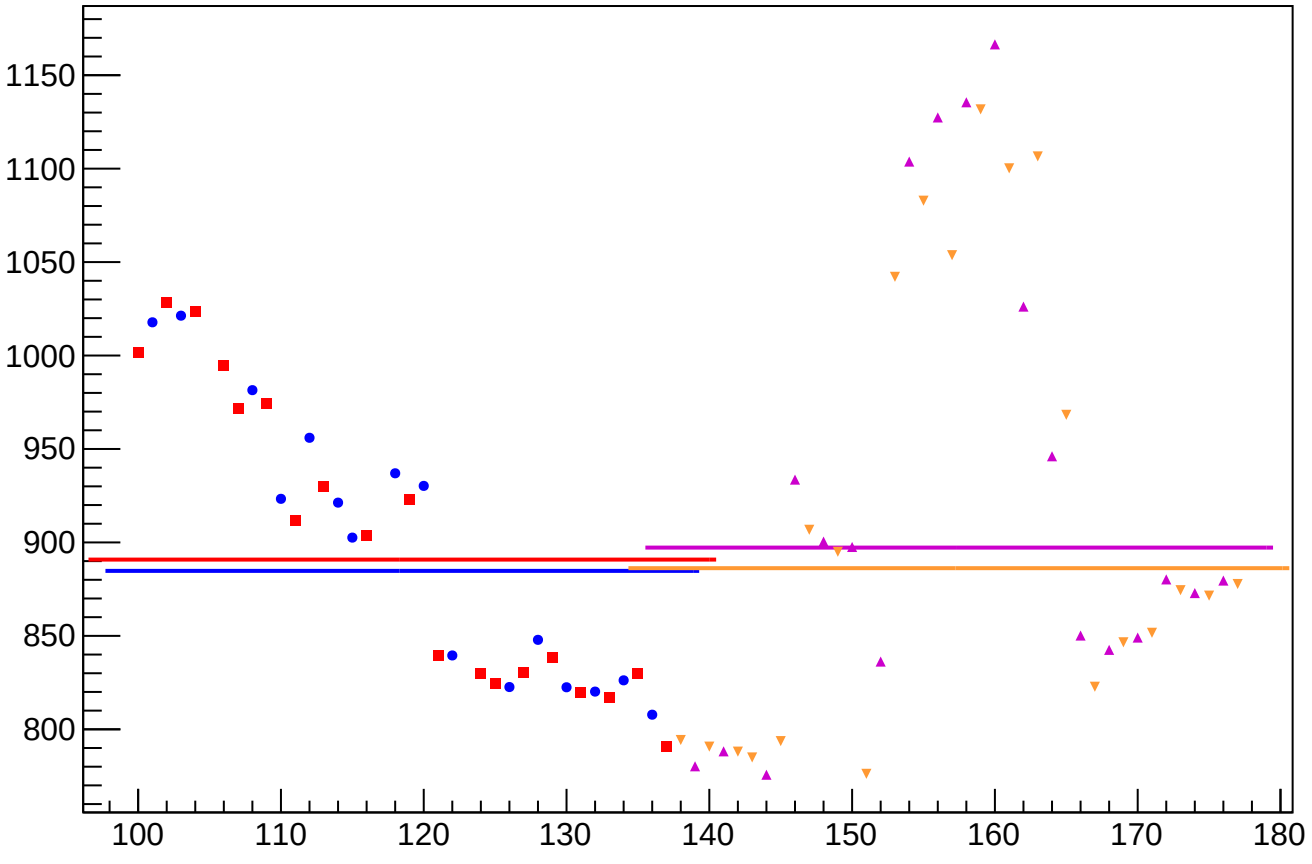
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 0.403+/-0.230 χ^2/NDF:423.9/18

+ sign 3.075+/-0.183 χ^2/NDF: 491.9/36

All: 2.322+/-0.131 χ^2/NDF: 1121.8/74

- sign 1.523+/-0.188 χ^2/NDF: 594.8/37



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 886.221+/-0.155 χ^2/NDF:507700.6/20

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

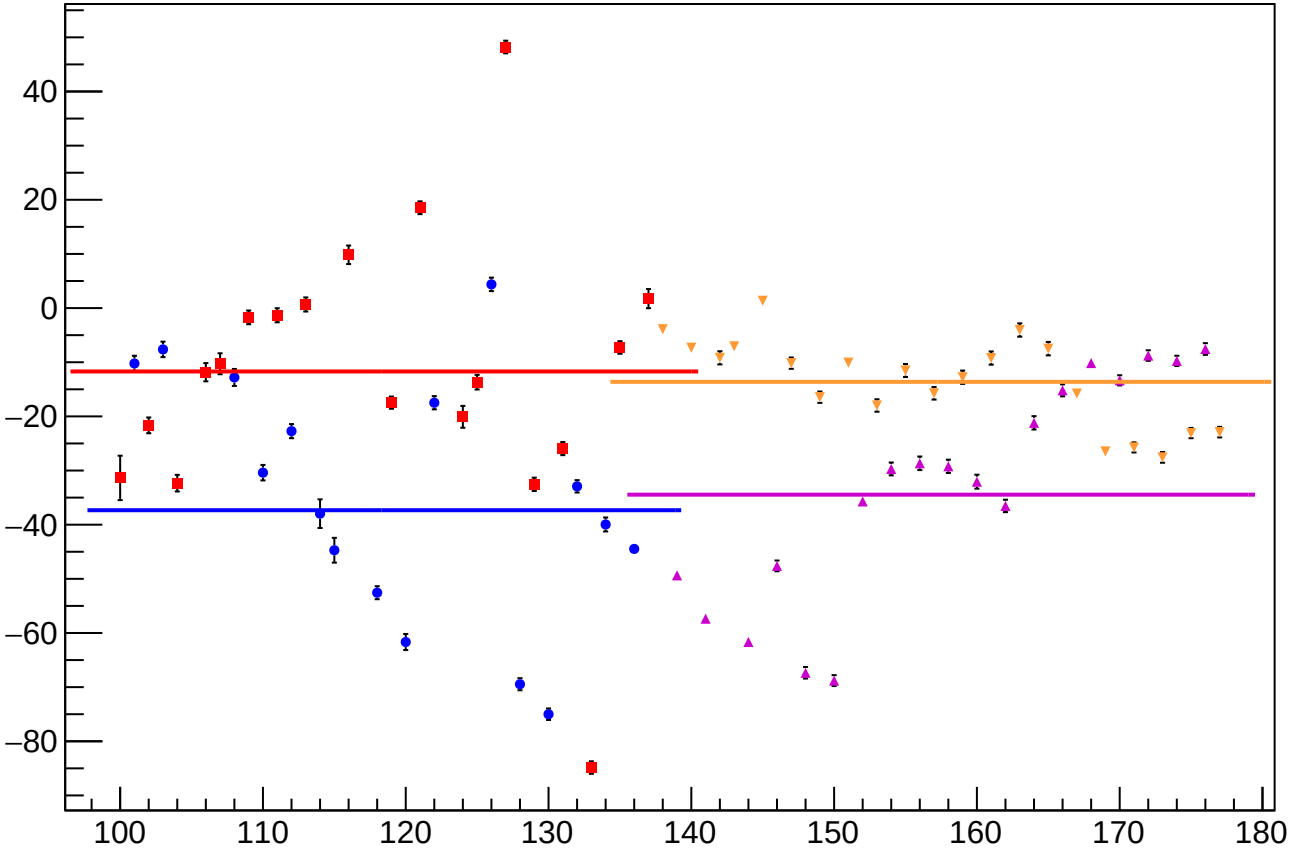
Left In: 897.232+/-0.163 χ^2/NDF:467762.8/18

+ sign 885.777+/-0.129 χ^2/NDF: 612221.5/36

All: 890.303+/-0.093 χ^2/NDF: 1190795.5/74

- sign 895.099+/-0.133 χ^2/NDF: 576043.5/37

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.619+/-0.221 χ^2/NDF:1414.9/20

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

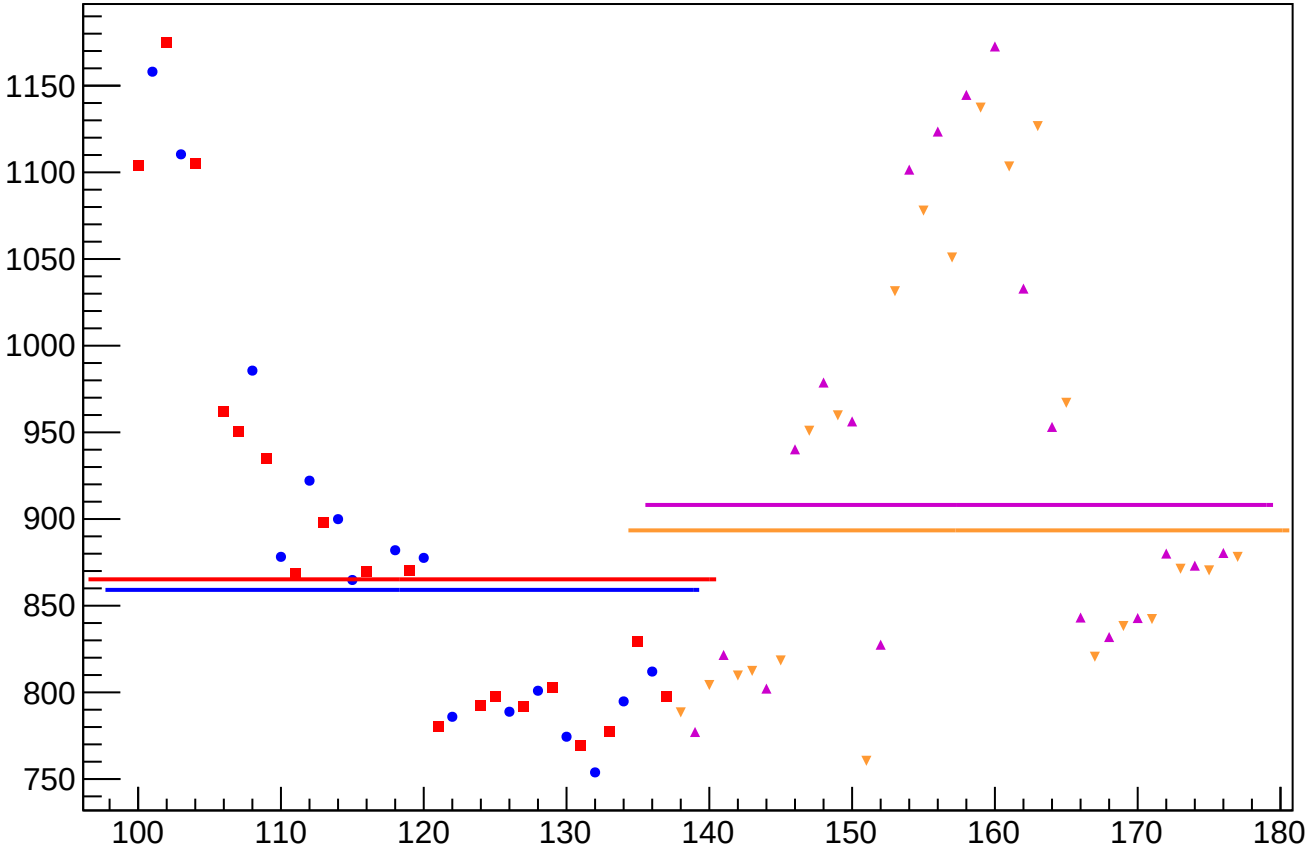
Left In: -34.458+/-0.233 χ^2/NDF:8028.6/18

+ sign -21.224+/-0.182 χ^2/NDF: 10288.8/36

All: -23.787+/-0.131 χ^2/NDF: 30522.0/74

- sign -26.512+/-0.188 χ^2/NDF: 19825.1/37

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 893.454+/-0.156 χ^2/NDF:510489.1/20

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

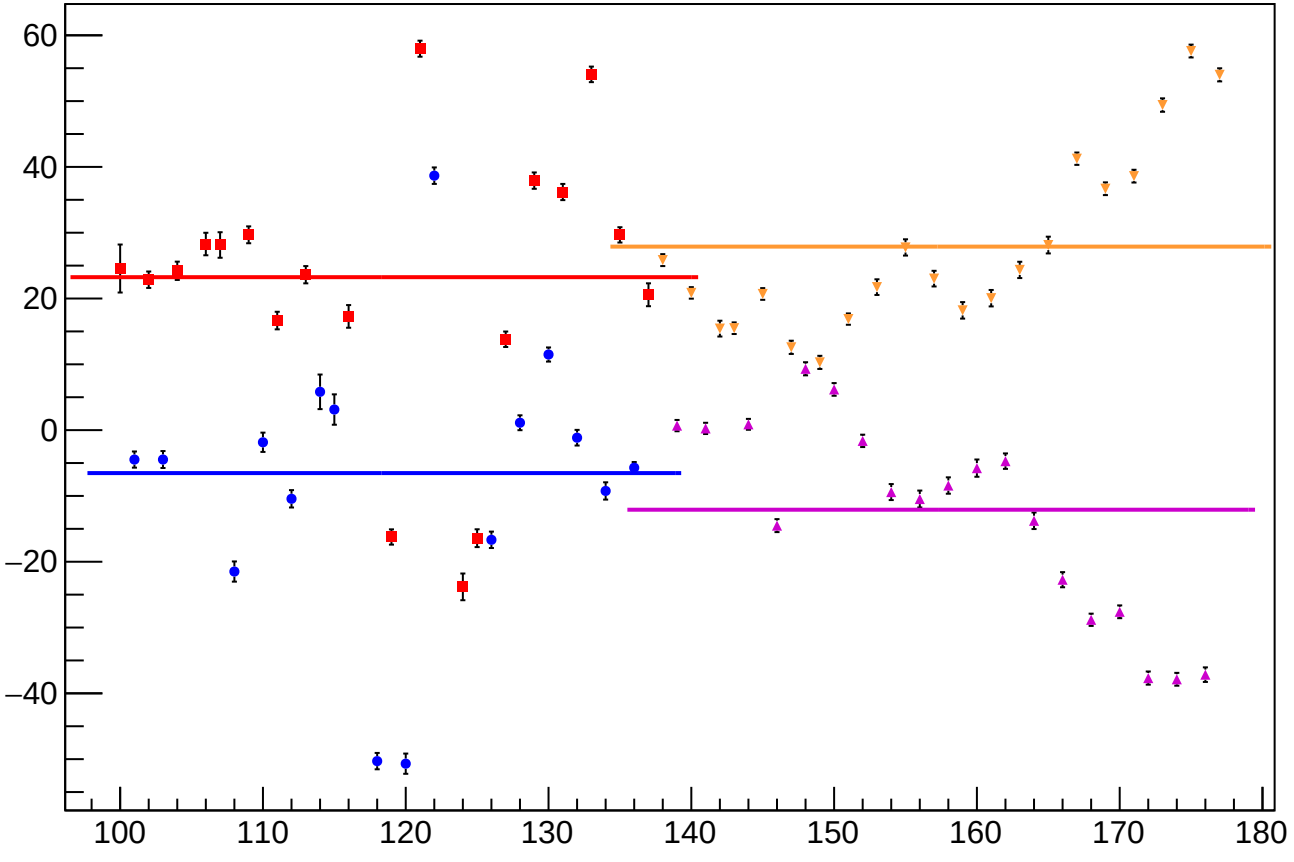
Left In: 908.128+/-0.165 χ^2/NDF:464188.2/18

\+ sign 882.443+/-0.129 χ^2/NDF: 754664.2/36

All: 887.628+/-0.092 χ^2/NDF: 1469578.7/74

\- sign 893.140+/-0.133 χ^2/NDF: 711573.5/37

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 27.888+/-0.224 χ^2/NDF:3758.0/20

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

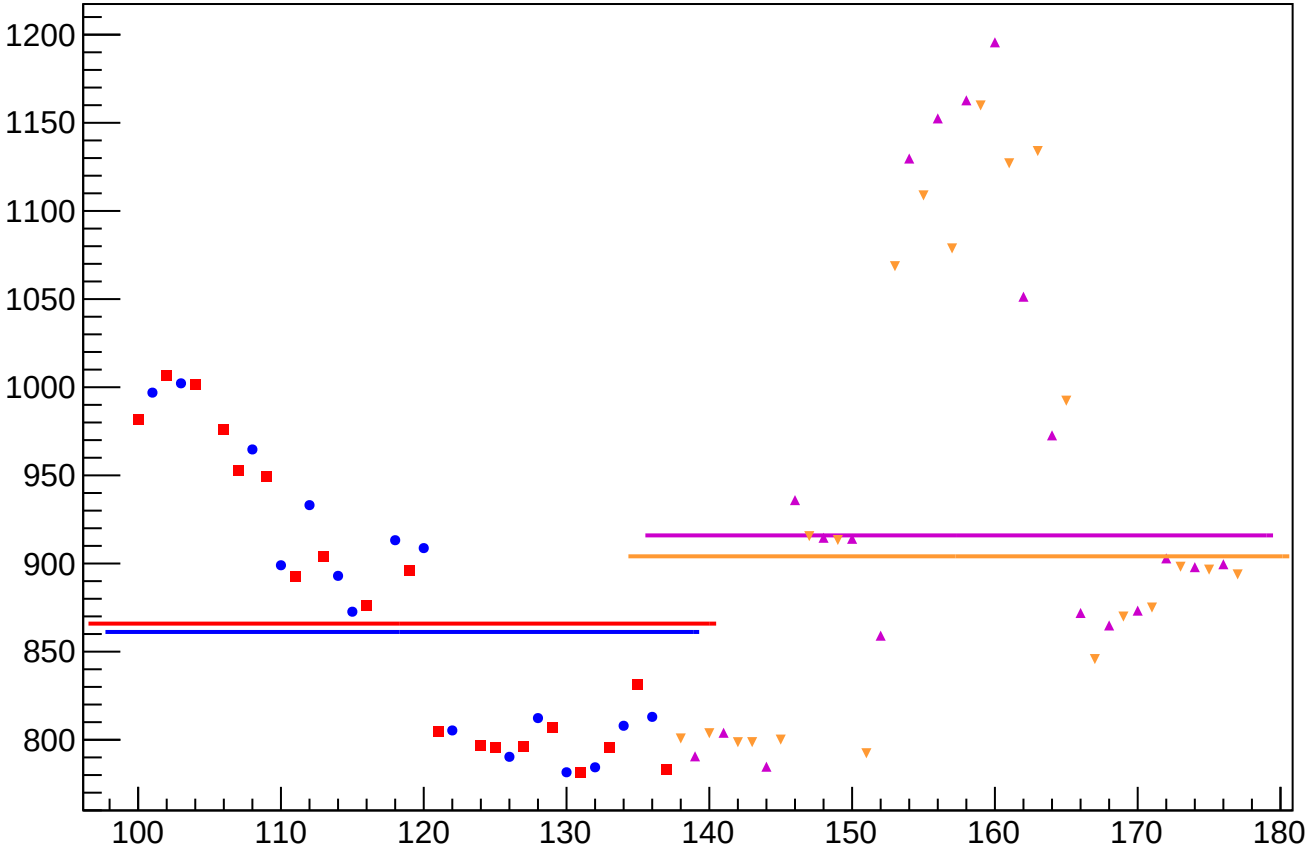
Left In: -12.094+/-0.235 χ^2/NDF:4232.7/18

+ sign 16.645+/-0.184 χ^2/NDF: 15435.1/36

All: 8.760+/-0.132 χ^2/NDF: 35953.7/74

- sign 0.428+/-0.189 χ^2/NDF: 16724.9/37

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 904.081+/-0.158 χ^2/NDF:531266.7/20

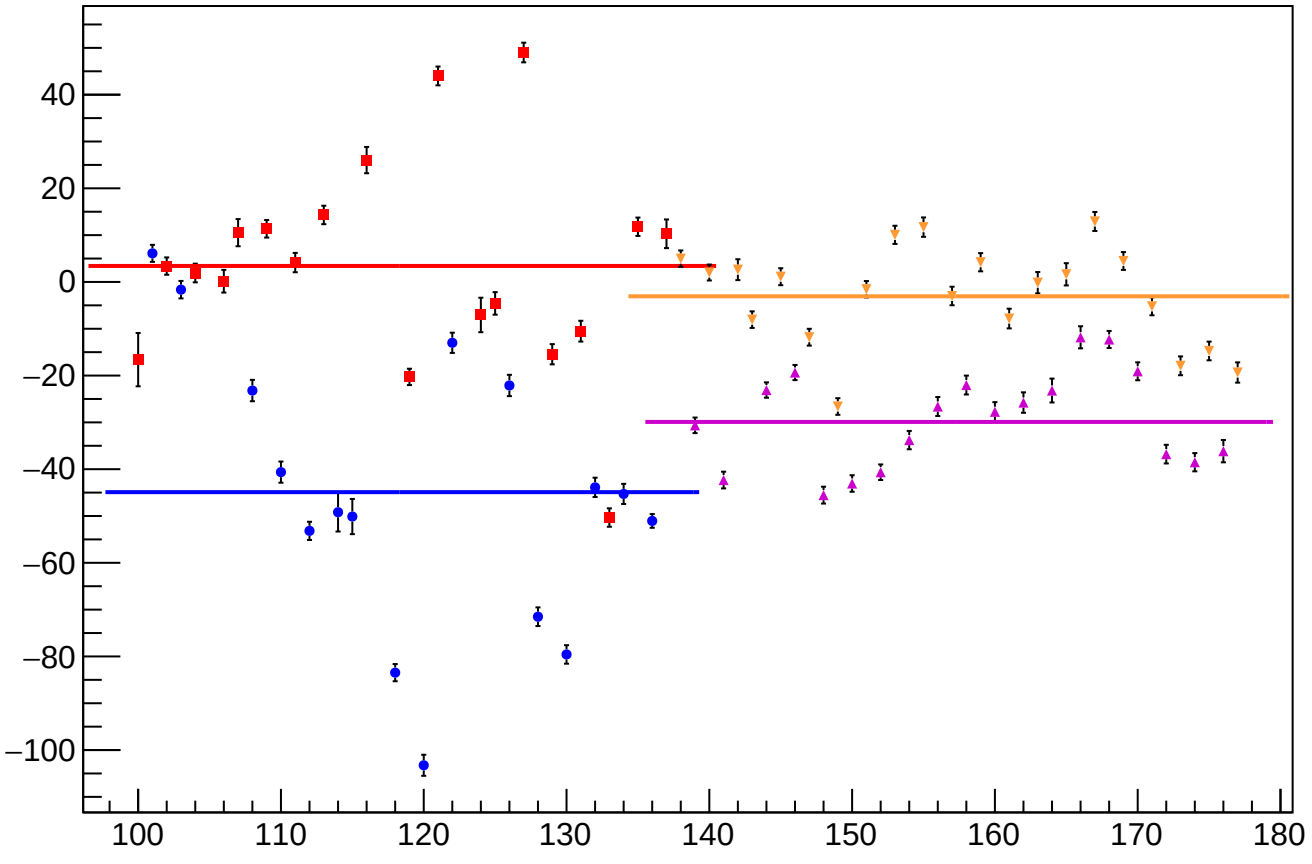
Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 915.951+/-0.166 χ^2/NDF:479772.1/18

+ sign 890.063+/-0.130 χ^2/NDF: 668833.0/36

All: 894.027+/-0.093 χ^2/NDF: 1301117.8/74

- sign 898.217+/-0.133 χ^2/NDF: 630366.4/37



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -3.068+/-0.424 χ^2/NDF:595.1/20

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

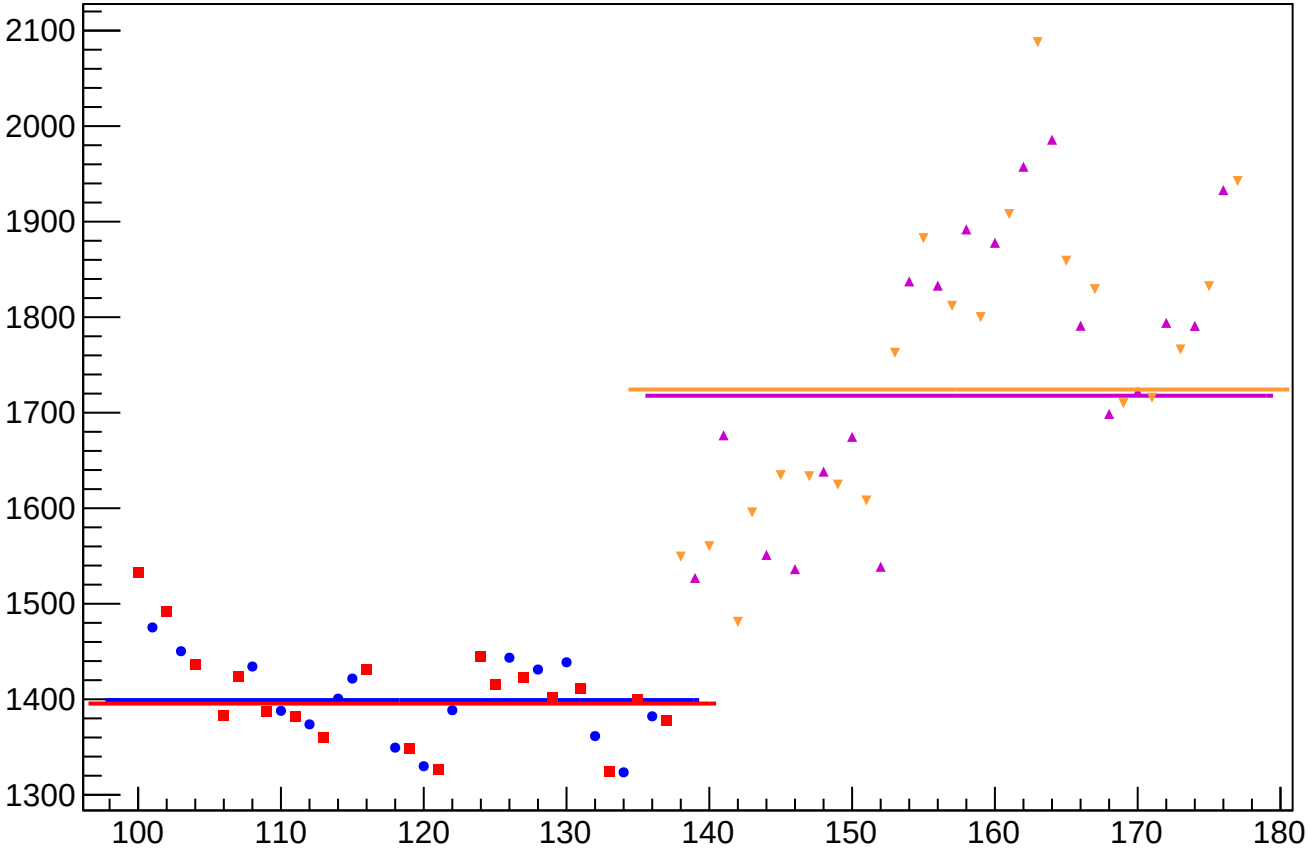
Left In: -29.905+/-0.438 χ^2/NDF:536.2/18

+ sign -19.769+/-0.328 χ^2/NDF: 7863.2/36

All: -17.776+/-0.233 χ^2/NDF: 13038.2/74

- sign -15.739+/-0.332 χ^2/NDF: 5100.5/37

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1724.265+/-0.300 χ^2/NDF:222681.0/20

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

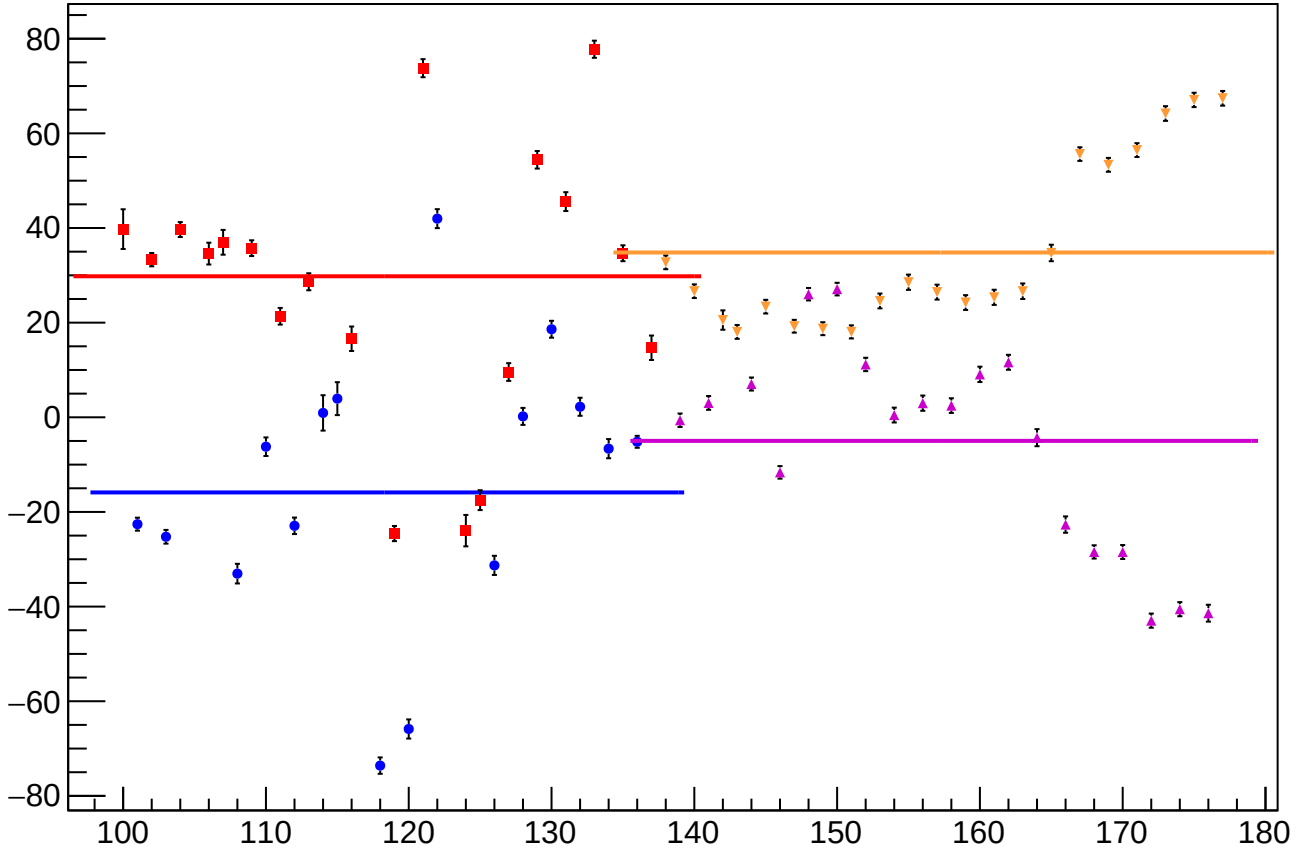
Left In: 1717.792+/-0.310 χ^2/NDF:212993.0/18

+ sign 1594.489+/-0.232 χ^2/NDF: 707356.5/36

All: 1587.714+/-0.165 χ^2/NDF: 1398853.5/74

- sign 1580.794+/-0.235 χ^2/NDF: 689777.2/37

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 34.826+/-0.332 χ^2/NDF:2720.9/20

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

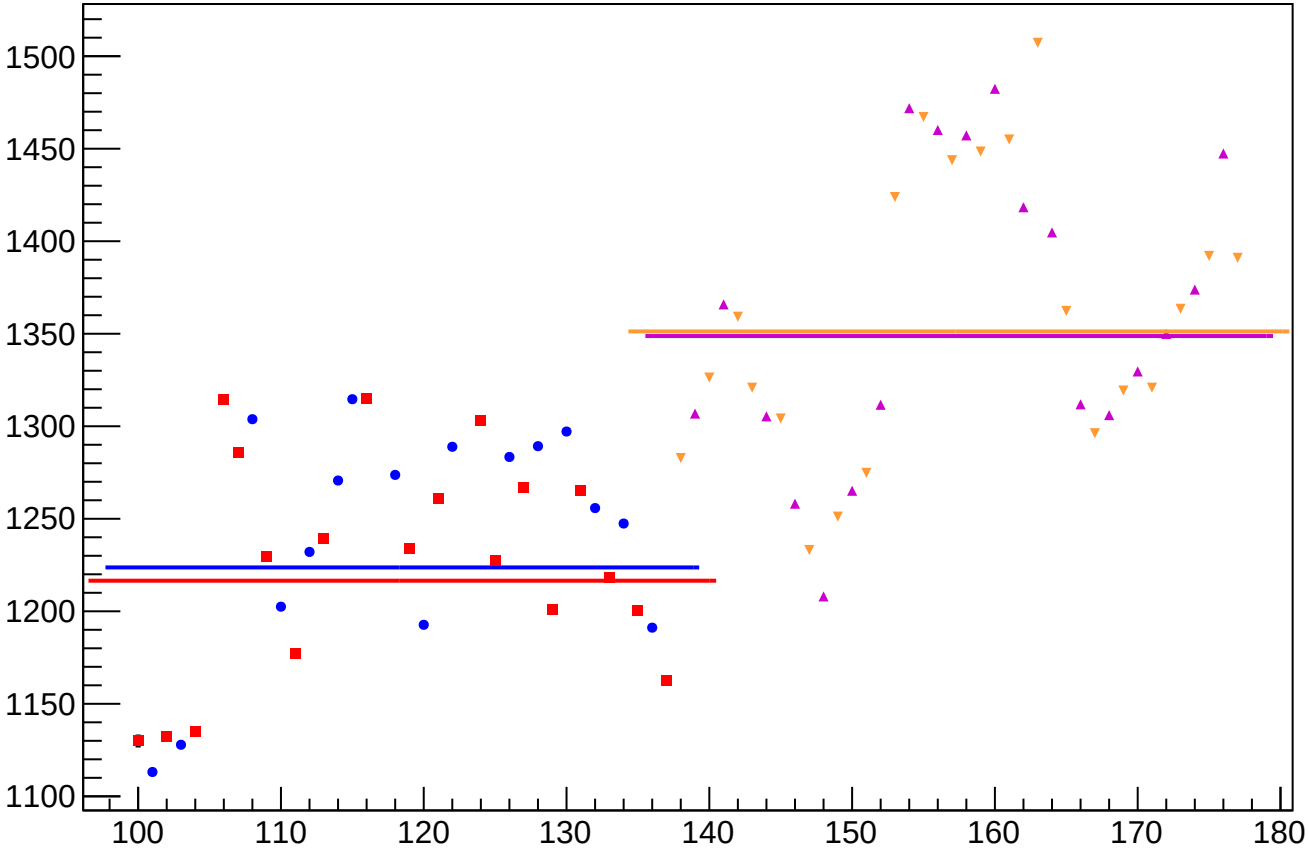
Left In: -4.981+/-0.343 χ^2/NDF:3911.7/18

+ sign 17.254+/-0.268 χ^2/NDF: 14304.6/36

All: 12.689+/-0.191 χ^2/NDF: 26324.8/74

- sign 8.004+/-0.272 χ^2/NDF: 11432.4/37

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1351.251+/-0.234 χ^2/NDF:103275.2/20

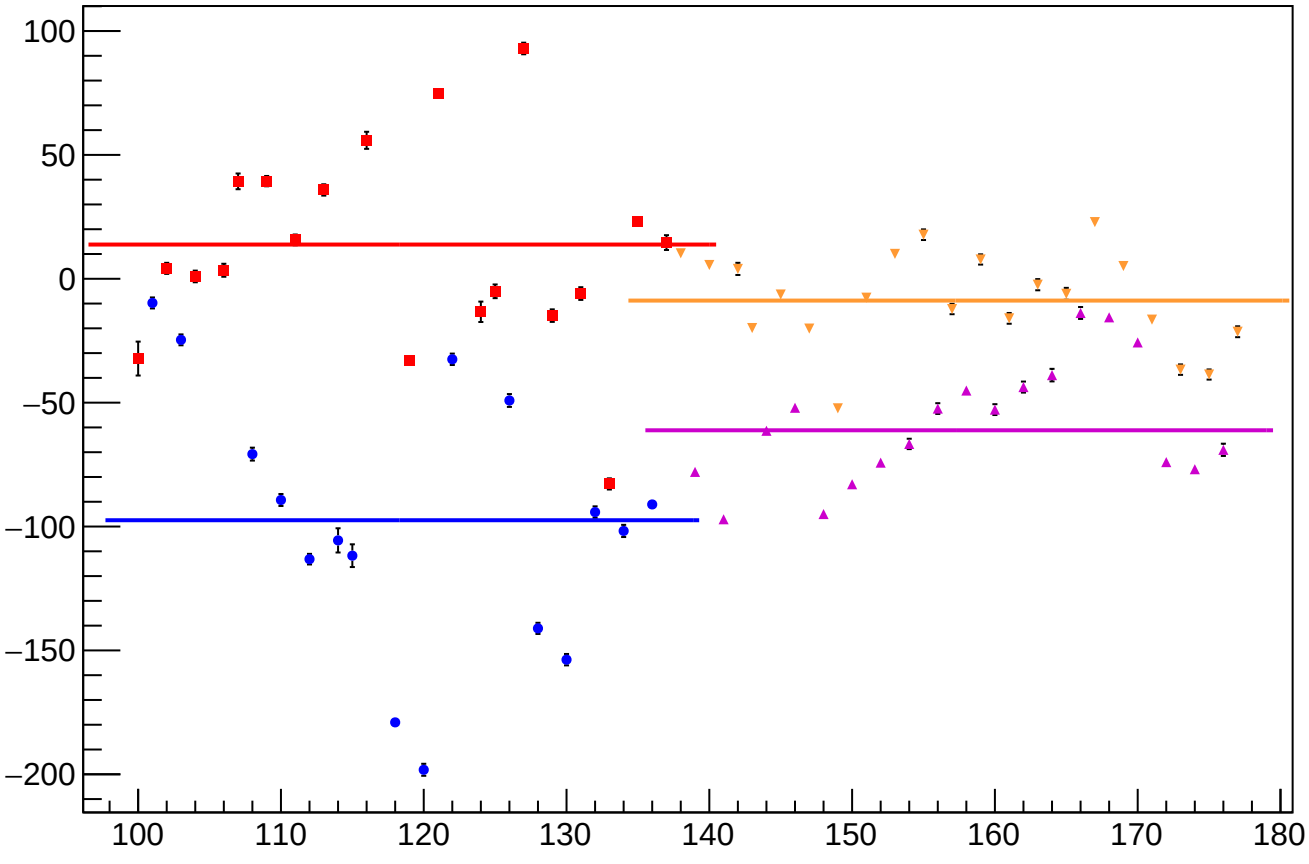
Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1348.757+/-0.243 χ^2/NDF:106155.3/18

\+ sign 1307.047+/-0.190 χ^2/NDF: 246748.5/36

All: 1303.270+/-0.135 χ^2/NDF: 494063.4/74

\- sign 1299.393+/-0.192 χ^2/NDF: 246509.9/37



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.797+/-0.435 χ^2/NDF:1930.9/20

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

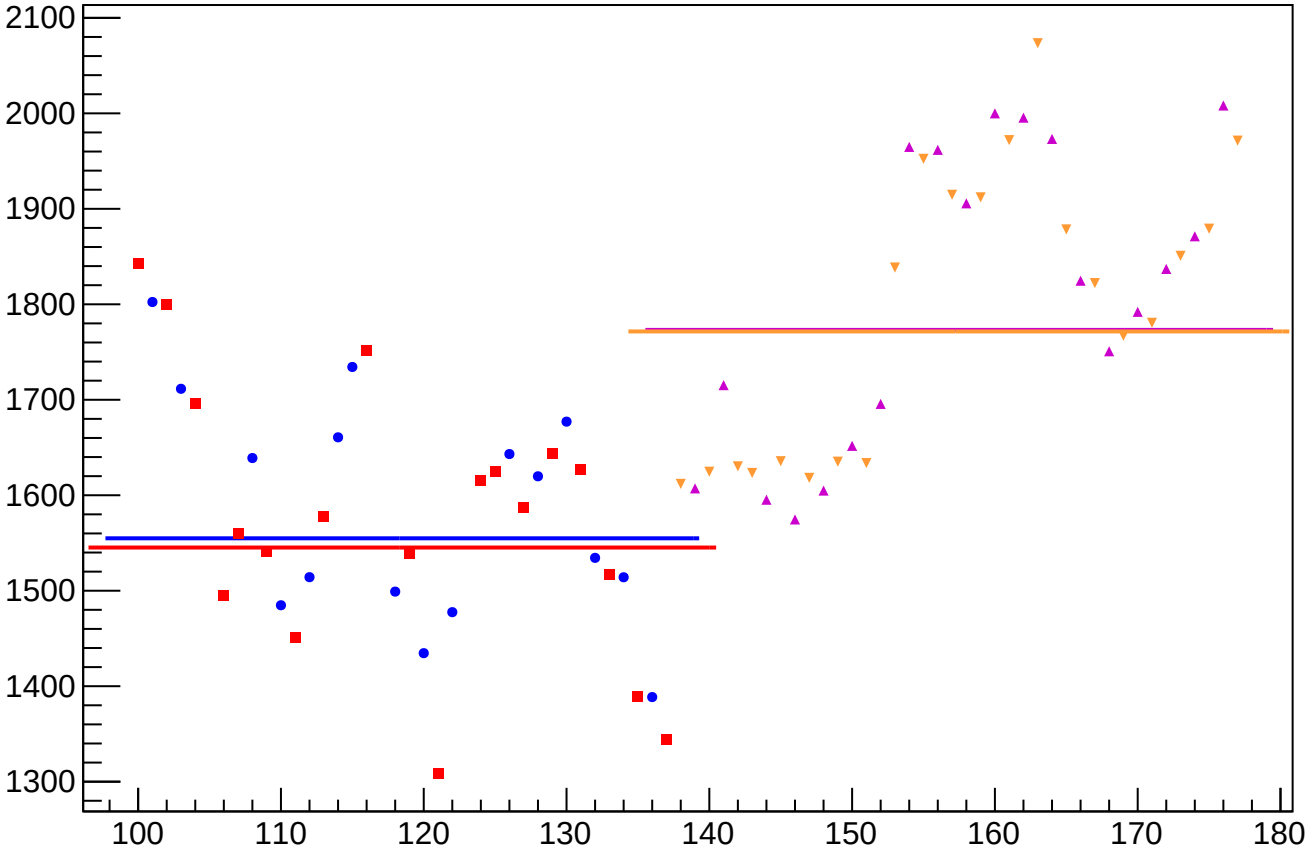
Left In: -61.152+/-0.452 χ^2/NDF:2726.3/18

+ sign -40.801+/-0.348 χ^2/NDF: 25192.1/36

All: -36.439+/-0.248 χ^2/NDF: 44312.2/74

- sign -31.952+/-0.353 χ^2/NDF: 18801.6/37

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1771.566+/-0.308 χ^2/NDF:216731.2/20

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

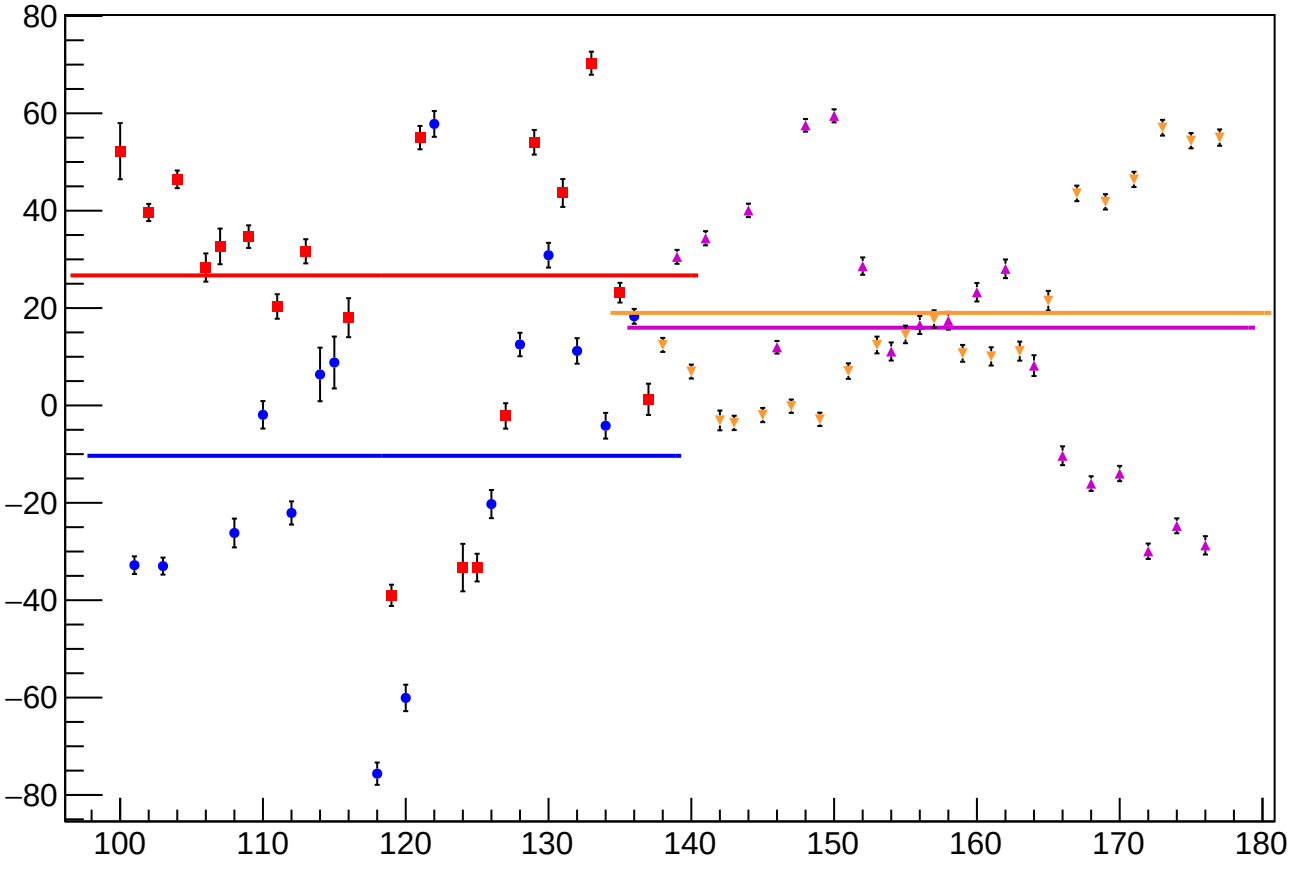
Left In: 1773.189+/-0.319 χ^2/NDF:223036.7/18

\+ sign 1693.356+/-0.246 χ^2/NDF: 483340.4/36

All: 1688.942+/-0.175 χ^2/NDF: 1014095.9/74

\- sign 1684.403+/-0.250 χ^2/NDF: 530103.4/37

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 19.013+/-0.353 χ^2/NDF:3511.2/20

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

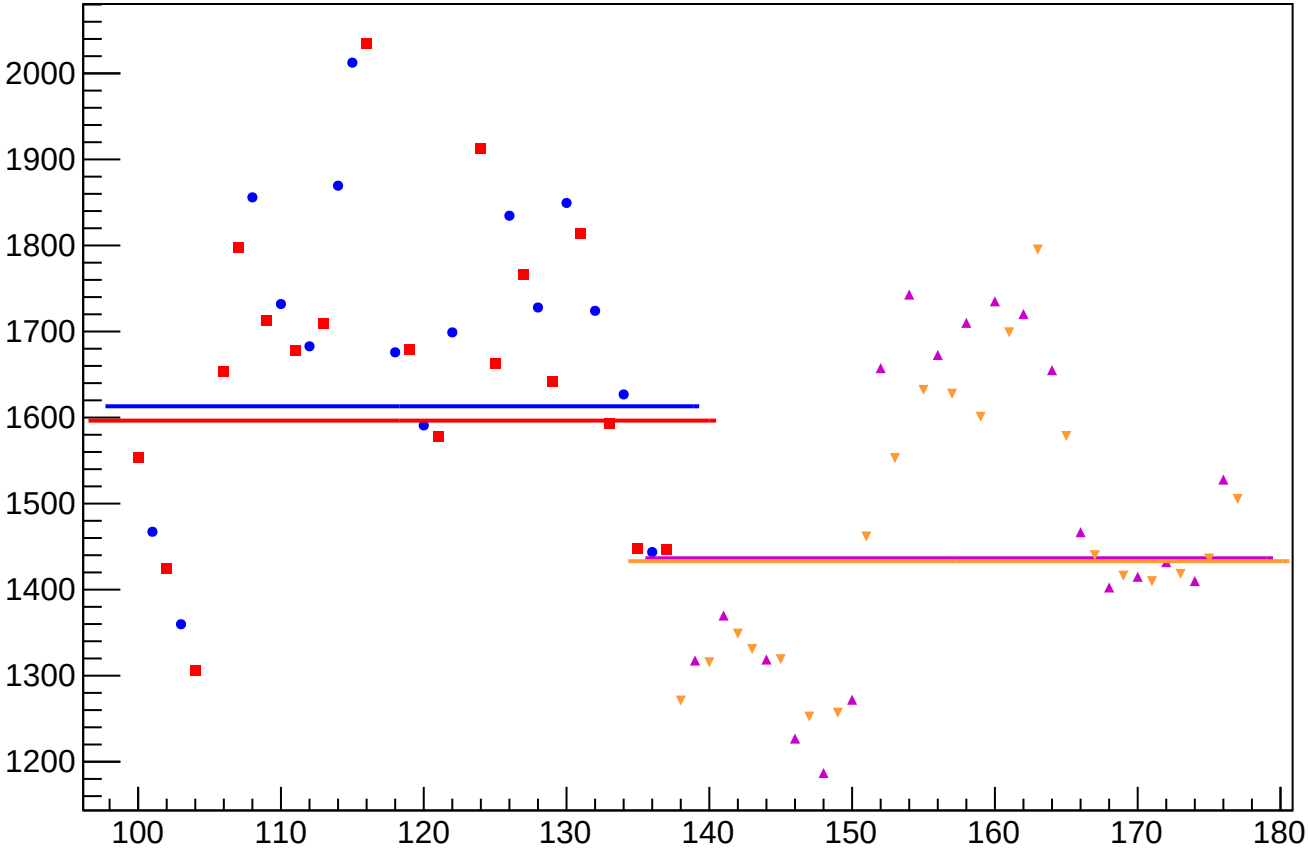
Left In: 15.969+/-0.368 χ^2/NDF:5875.0/18

+ sign 11.517+/-0.305 χ^2/NDF: 8282.5/36

All: 15.177+/-0.218 χ^2/NDF: 17233.9/74

- sign 19.001+/-0.312 χ^2/NDF: 8656.5/37

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1433.074+/-0.250 χ^2/NDF:332276.6/20

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

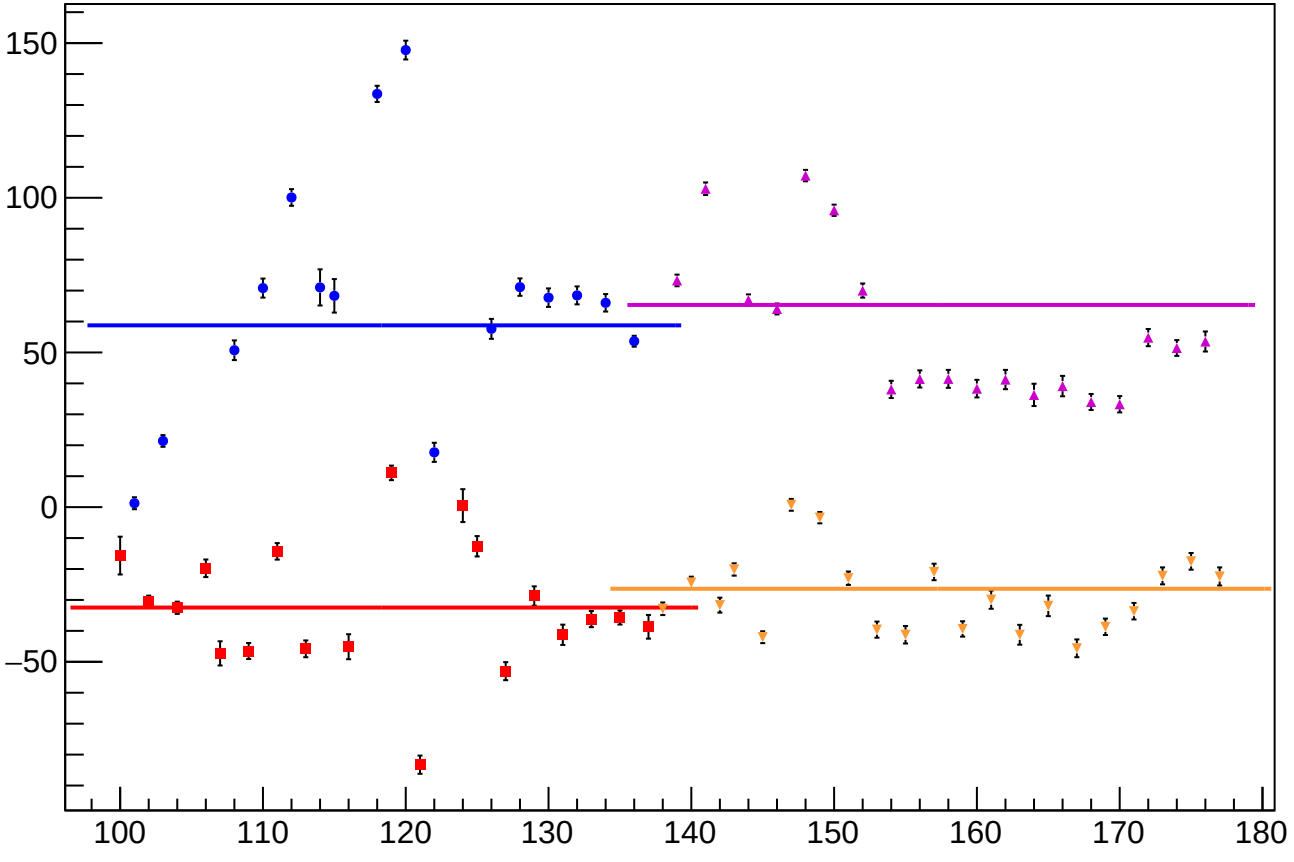
Left In: 1436.432+/-0.260 χ^2/NDF:472628.7/18

+ sign 1479.041+/-0.216 χ^2/NDF: 619665.0/36

All: 1480.290+/-0.154 χ^2/NDF: 1359974.6/74

- sign 1481.596+/-0.220 χ^2/NDF: 740240.9/37

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.387+/-0.523 χ^2/NDF:652.3/20

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

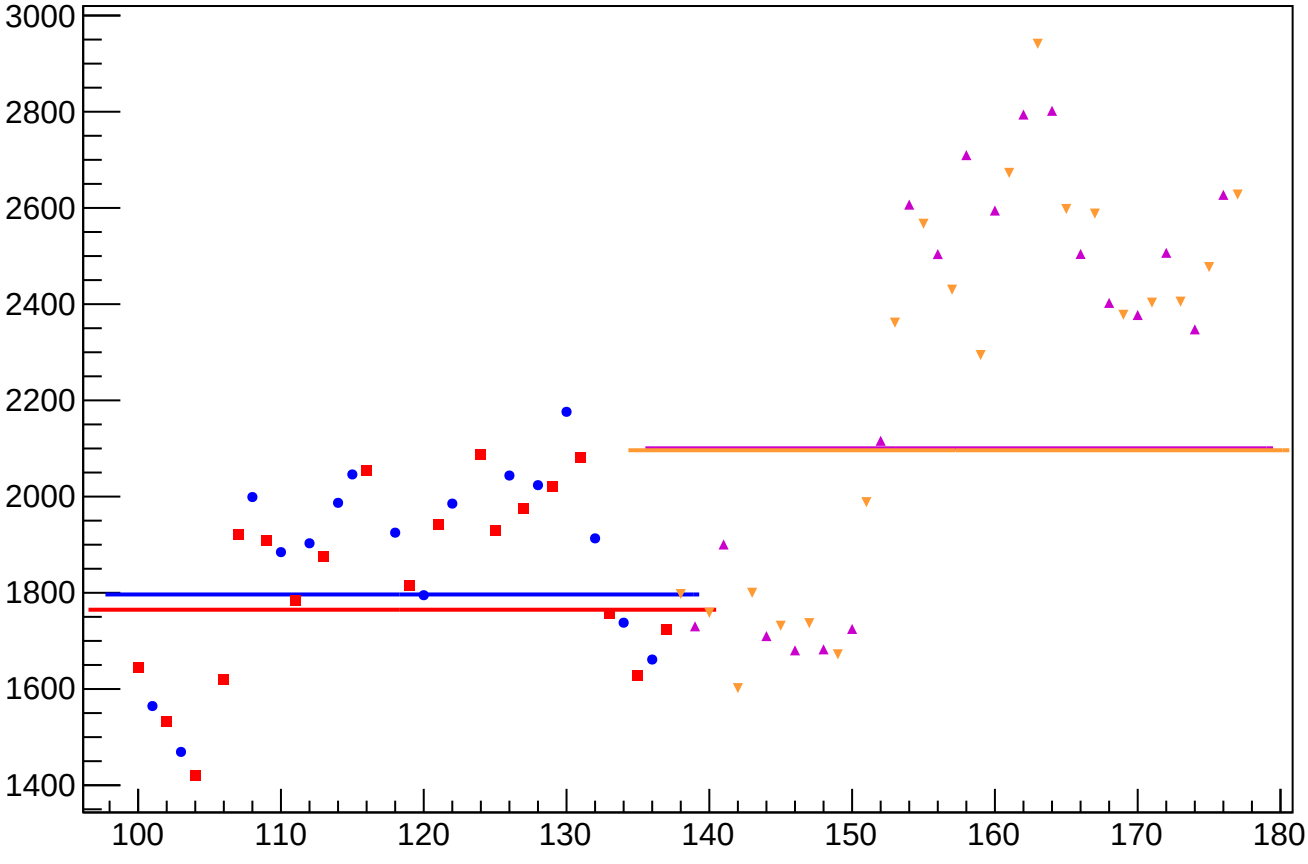
Left In: 65.357+/-0.544 χ^2/NDF:2032.3/18

+ sign 5.693+/-0.413 χ^2/NDF: 14088.5/36

All: 15.238+/-0.293 χ^2/NDF: 31492.8/74

- sign 24.965+/-0.417 χ^2/NDF: 16324.6/37

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2096.318+/-0.370 χ^2/NDF:1107532.3/20

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

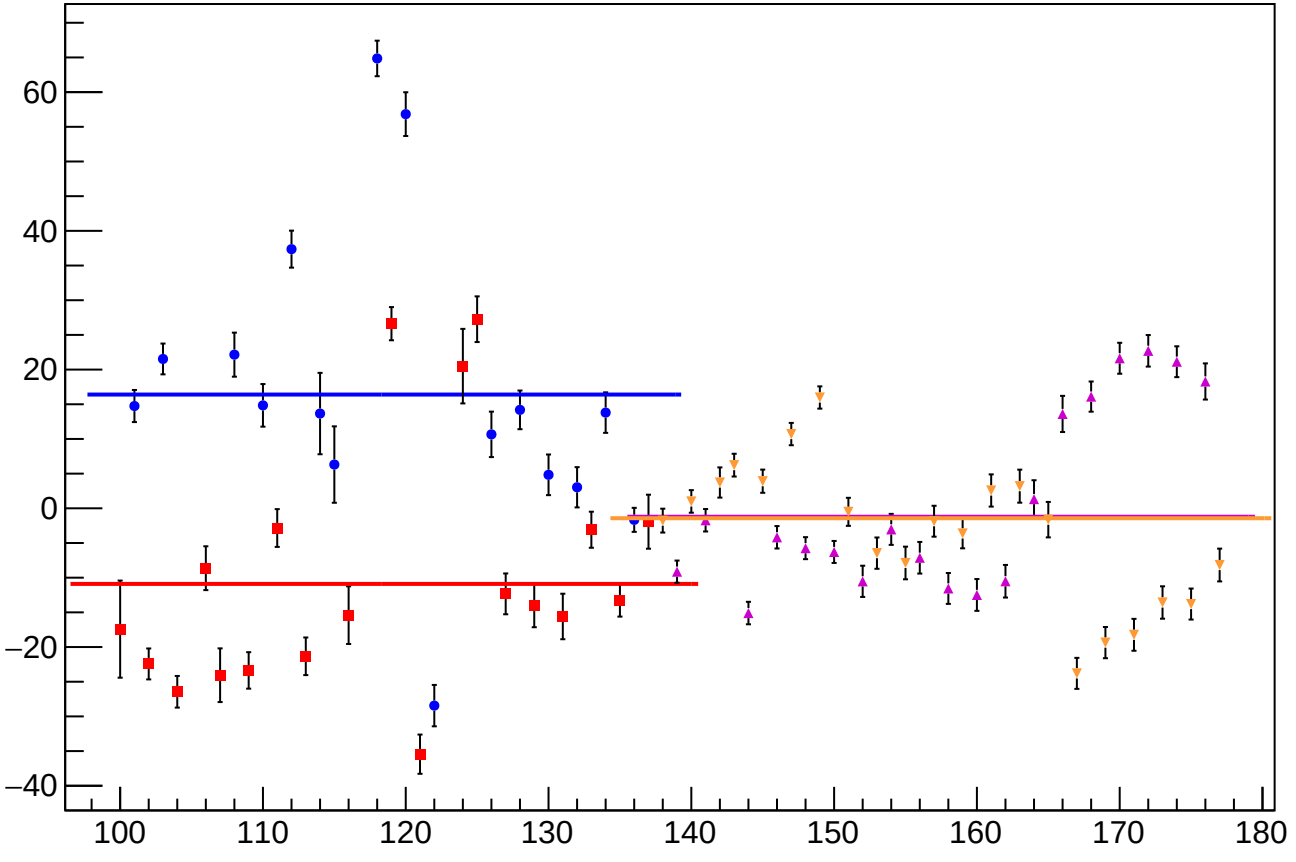
Left In: 2100.372+/-0.385 χ^2/NDF:1116423.1/18

+ sign 1983.381+/-0.292 χ^2/NDF: 1548403.6/36

All: 1972.712+/-0.207 χ^2/NDF: 3171866.5/74

- sign 1961.838+/-0.295 χ^2/NDF: 1620764.6/37

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -1.429+/-0.441 χ^2/NDF:517.6/20

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

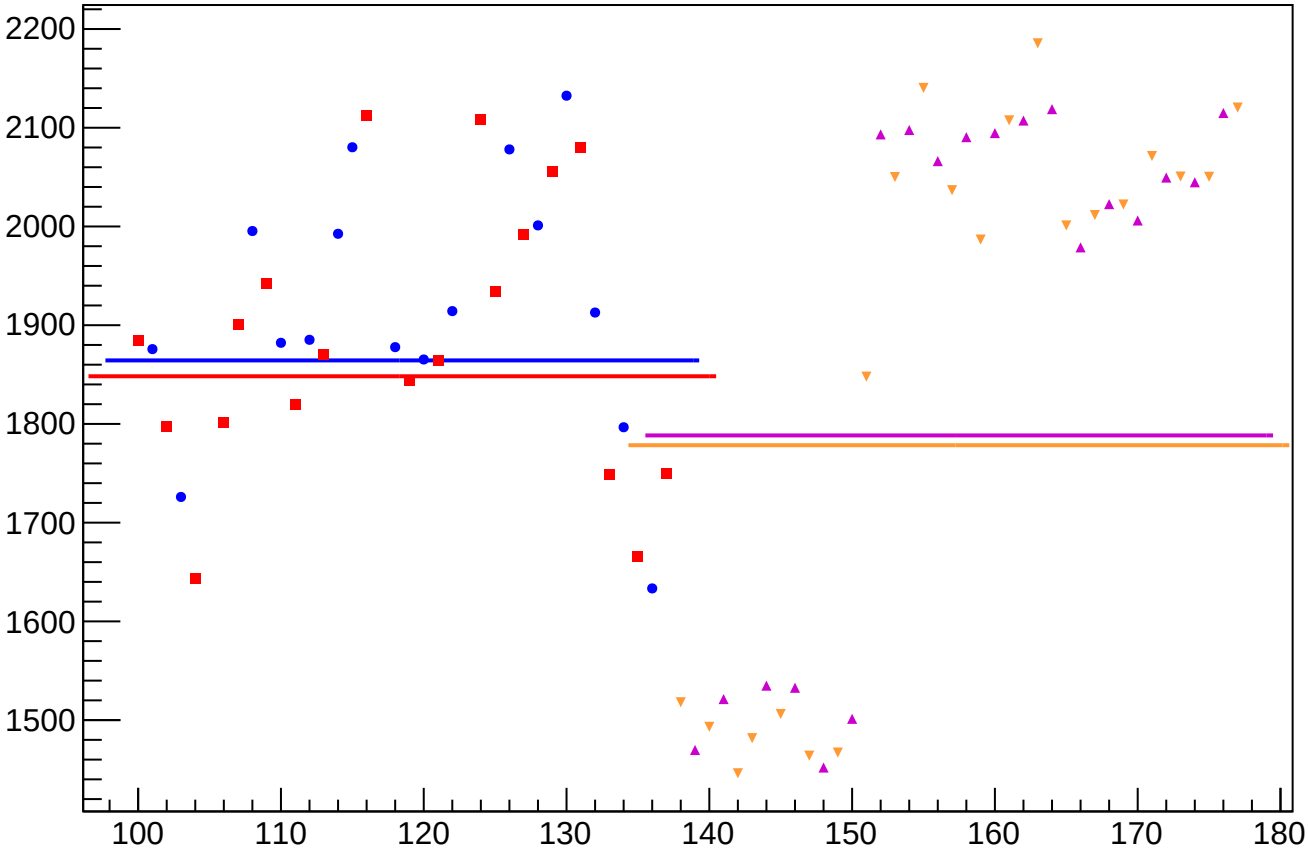
Left In: -1.214+/-0.460 χ^2/NDF:674.8/18

+ sign 3.695+/-0.373 χ^2/NDF: 1959.5/36

All: -0.209+/-0.266 χ^2/NDF: 3640.5/74

- sign -4.275+/-0.380 χ^2/NDF: 1456.8/37

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1778.437+/-0.312 χ^2/NDF:838209.2/20

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

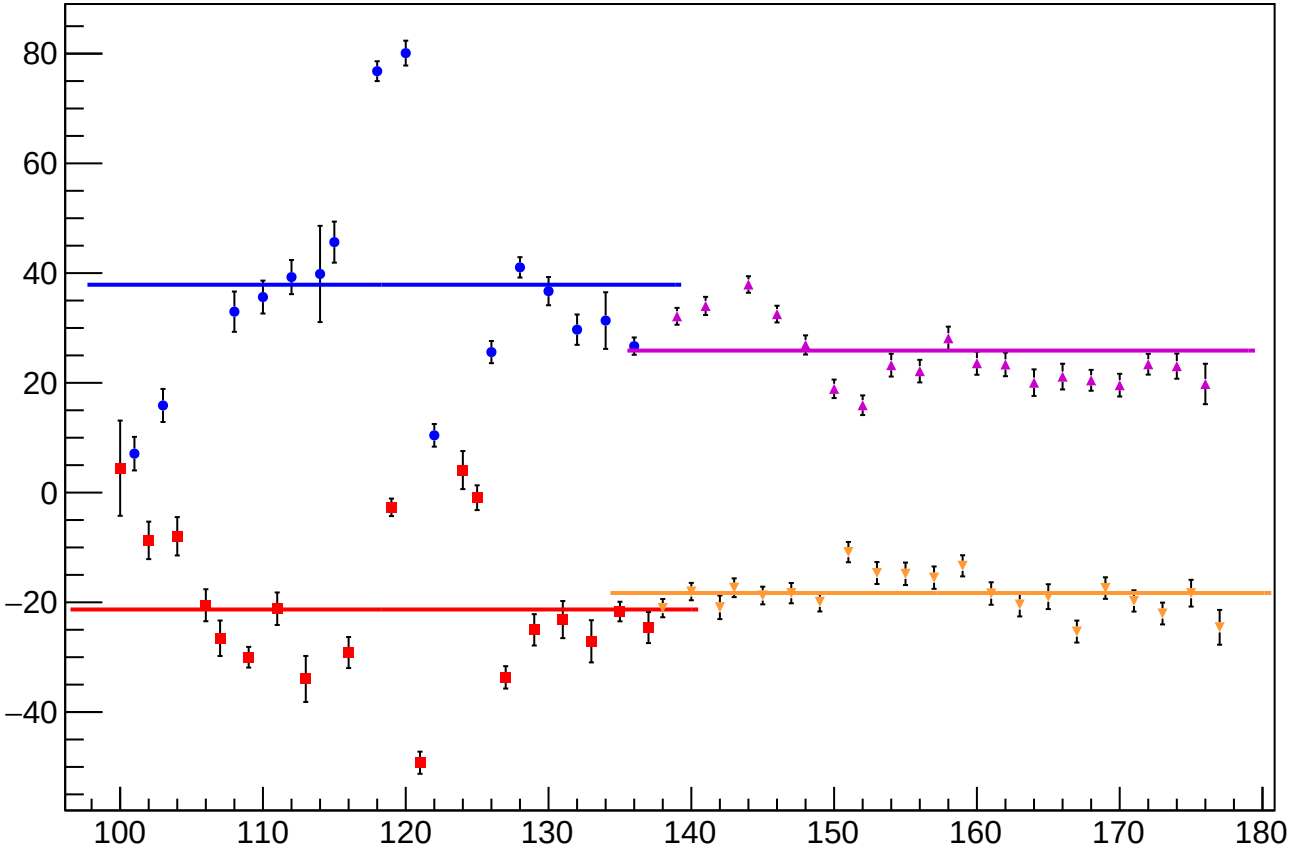
Left In: 1788.359+/-0.325 χ^2/NDF:769275.9/18

+ sign 1803.125+/-0.263 χ^2/NDF: 943292.9/36

All: 1805.169+/-0.188 χ^2/NDF: 1798389.8/74

- sign 1807.298+/-0.269 χ^2/NDF: 854974.1/37

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.298+/-0.425 χ^2/NDF:57.9/20

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

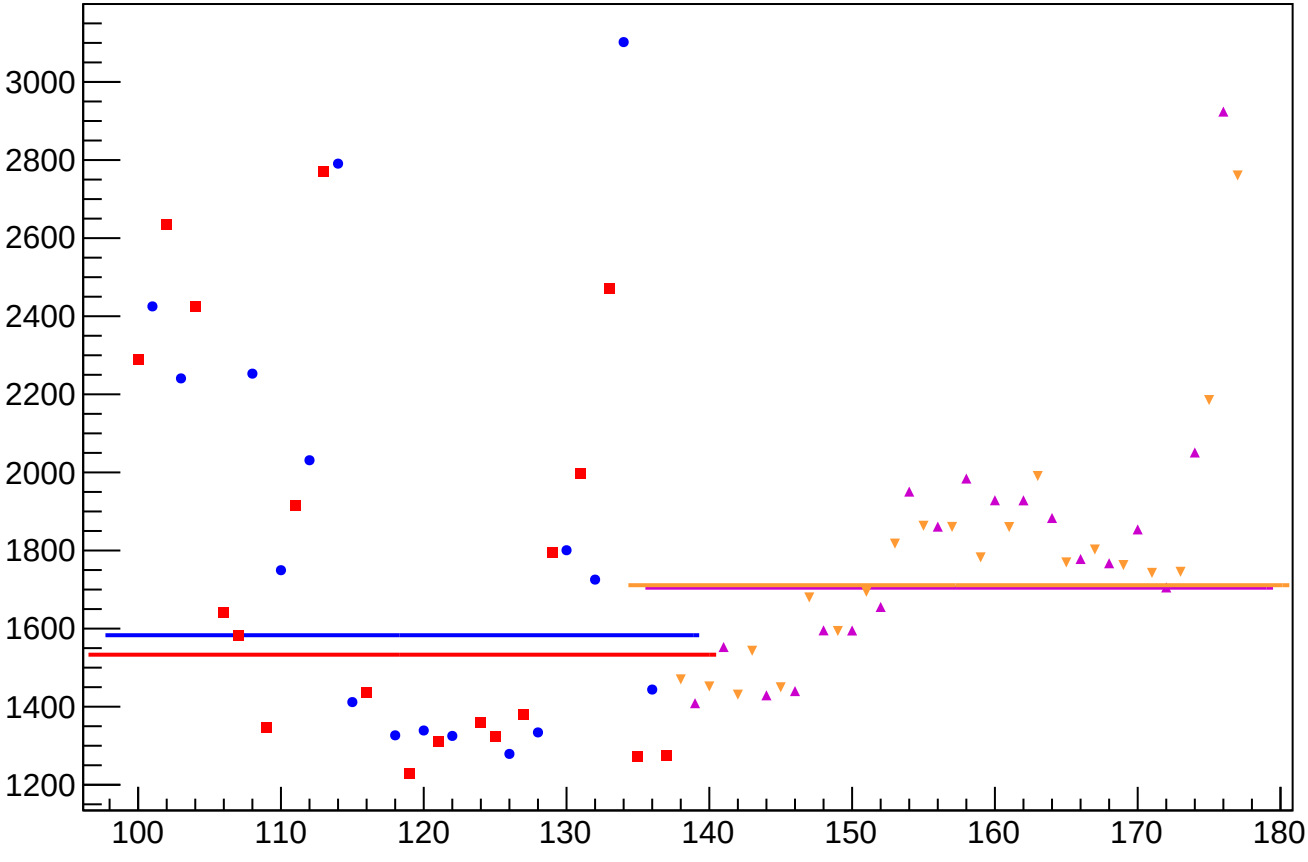
Left In: 25.881+/-0.439 χ^2/NDF:213.9/18

+ sign -0.459+/-0.351 χ^2/NDF: 6868.4/36

All: 4.327+/-0.249 χ^2/NDF: 12130.0/74

- sign 9.170+/-0.353 χ^2/NDF: 4887.1/37

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1711.131+/-0.300 χ^2/NDF:587389.7/20

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

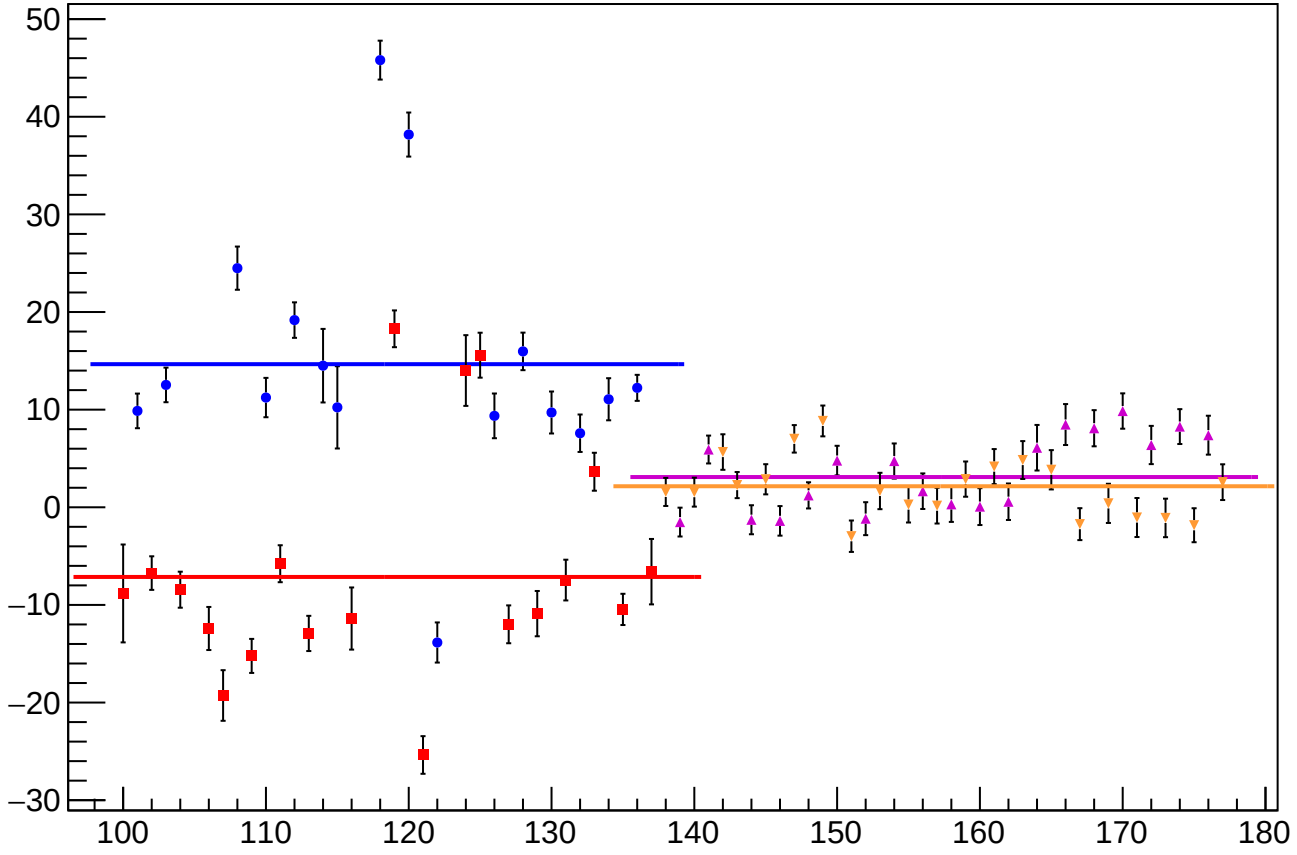
Left In: 1704.781+/-0.310 χ^2/NDF:644952.0/18

+ sign 1670.458+/-0.248 χ^2/NDF: 1432869.0/36

All: 1657.316+/-0.176 χ^2/NDF: 3142428.2/74

- sign 1644.013+/-0.250 χ^2/NDF: 1703908.0/37

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.154+/-0.371 χ^2/NDF:67.5/20

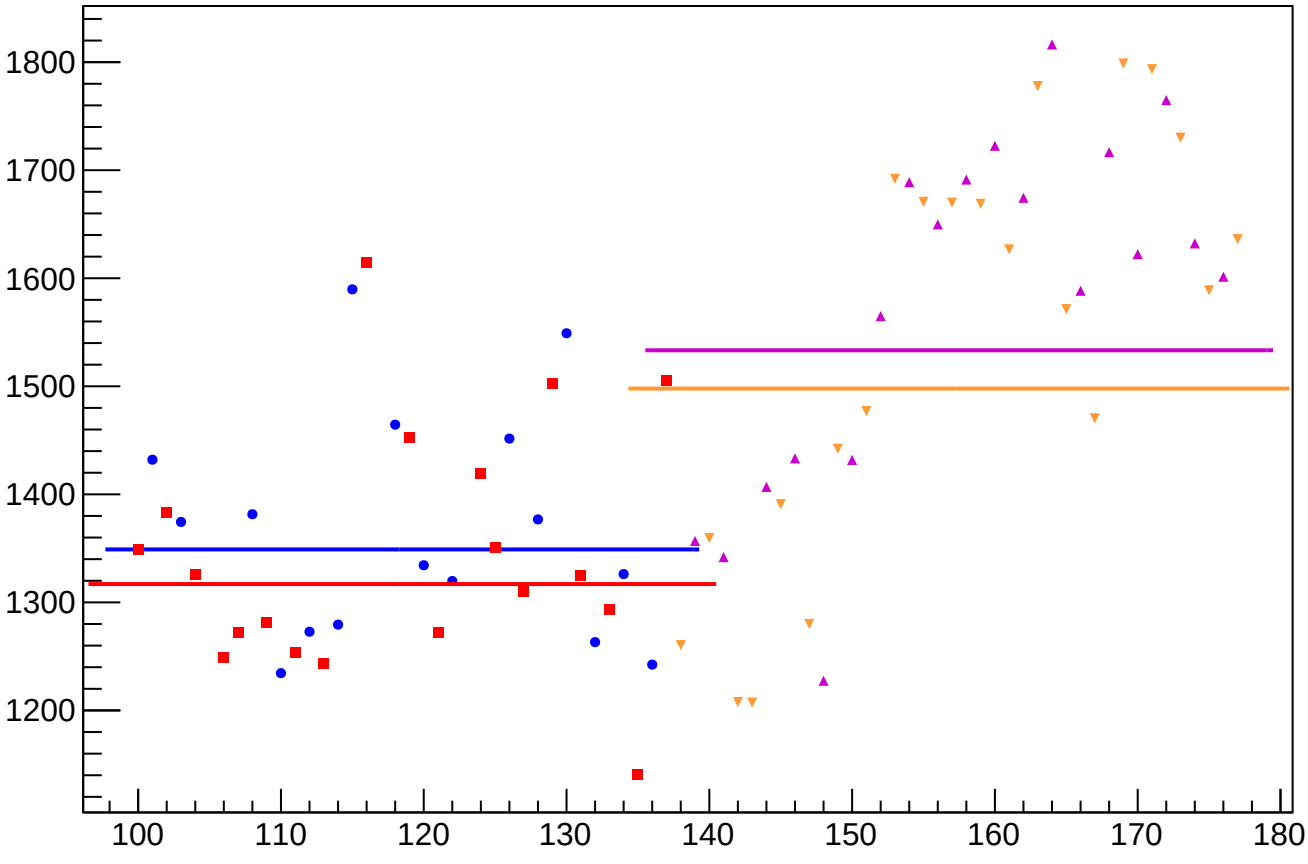
Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 3.098+/-0.392 χ^2/NDF:94.3/18

+ sign 6.537+/-0.299 χ^2/NDF: 1081.3/36

All: 2.858+/-0.213 χ^2/NDF: 2264.7/74

- sign -0.966+/-0.305 χ^2/NDF: 874.1/37



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1497.898+/-0.262 χ^2/NDF:541071.6/20

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

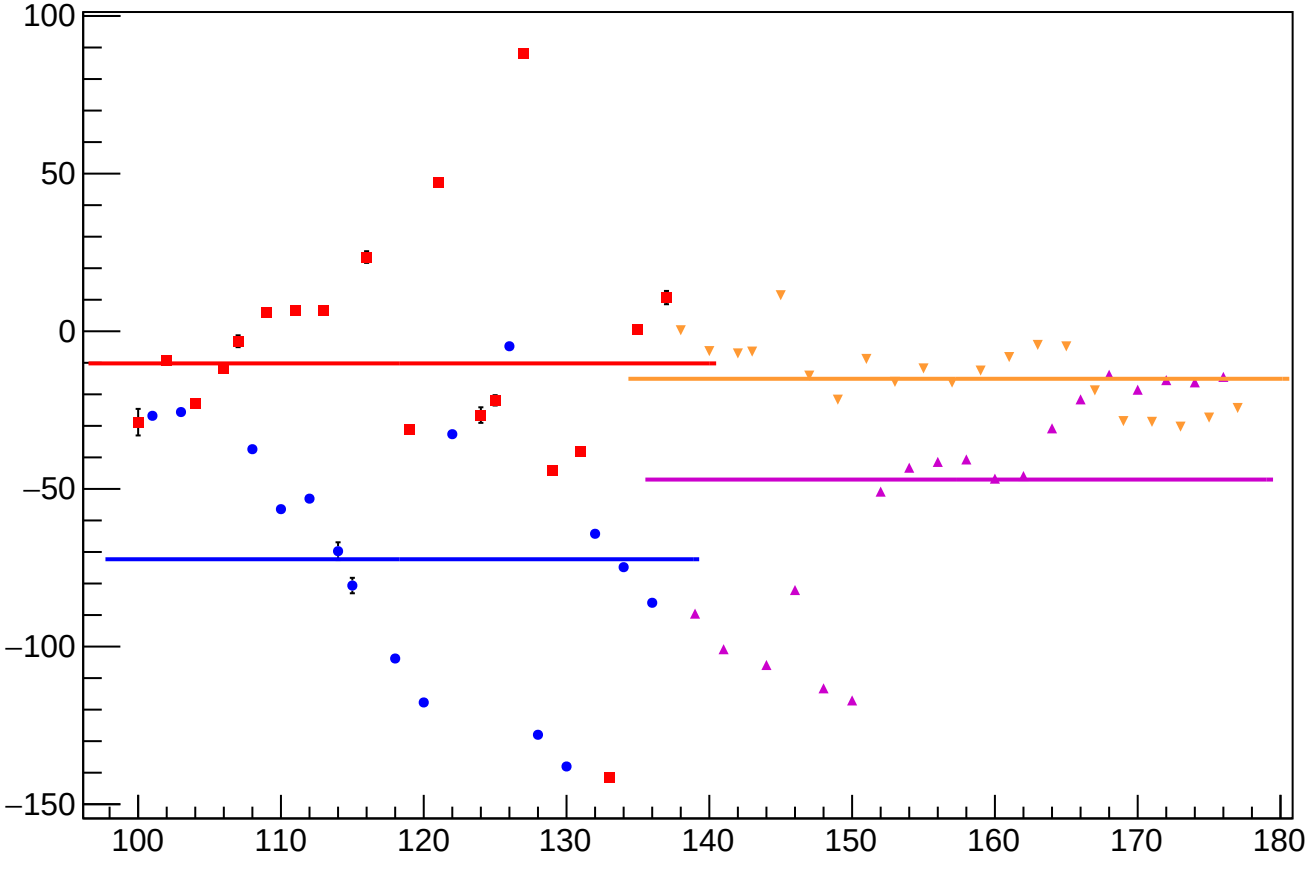
Left In: 1533.325+/-0.277 χ^2/NDF:363236.1/18

+ sign 1445.711+/-0.211 χ^2/NDF: 722611.7/36

All: 1446.534+/-0.151 χ^2/NDF: 1414505.8/74

- sign 1447.389+/-0.215 χ^2/NDF: 691863.1/37

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -15.067+/-0.199 χ^2/NDF:2781.1/20

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

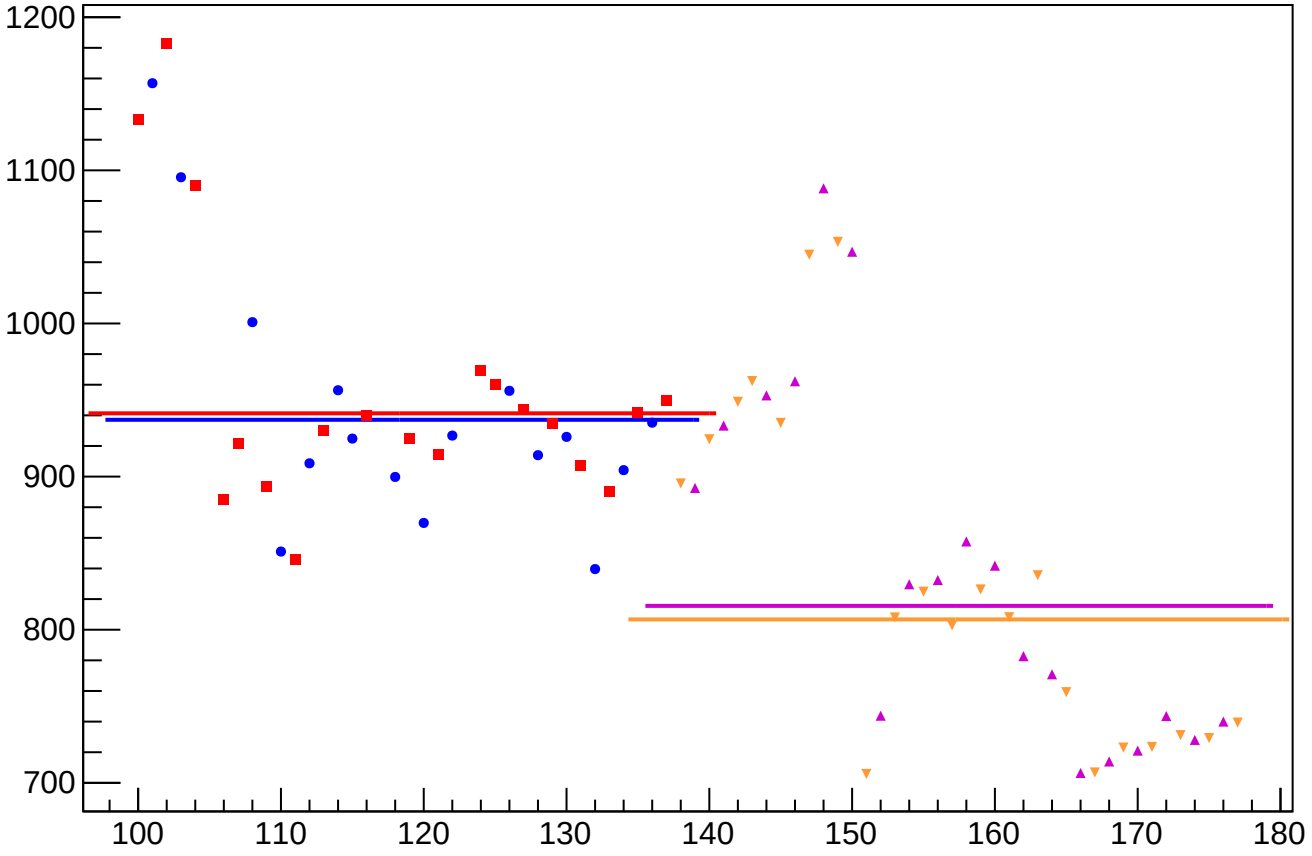
Left In: -47.032+/-0.209 χ^2/NDF:25149.0/18

+ sign -29.096+/-0.173 χ^2/NDF: 35186.7/36

All: -32.992+/-0.124 χ^2/NDF: 88794.6/74

- sign -37.141+/-0.179 χ^2/NDF: 52560.4/37

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 806.738+/-0.141 χ^2/NDF:480867.8/20

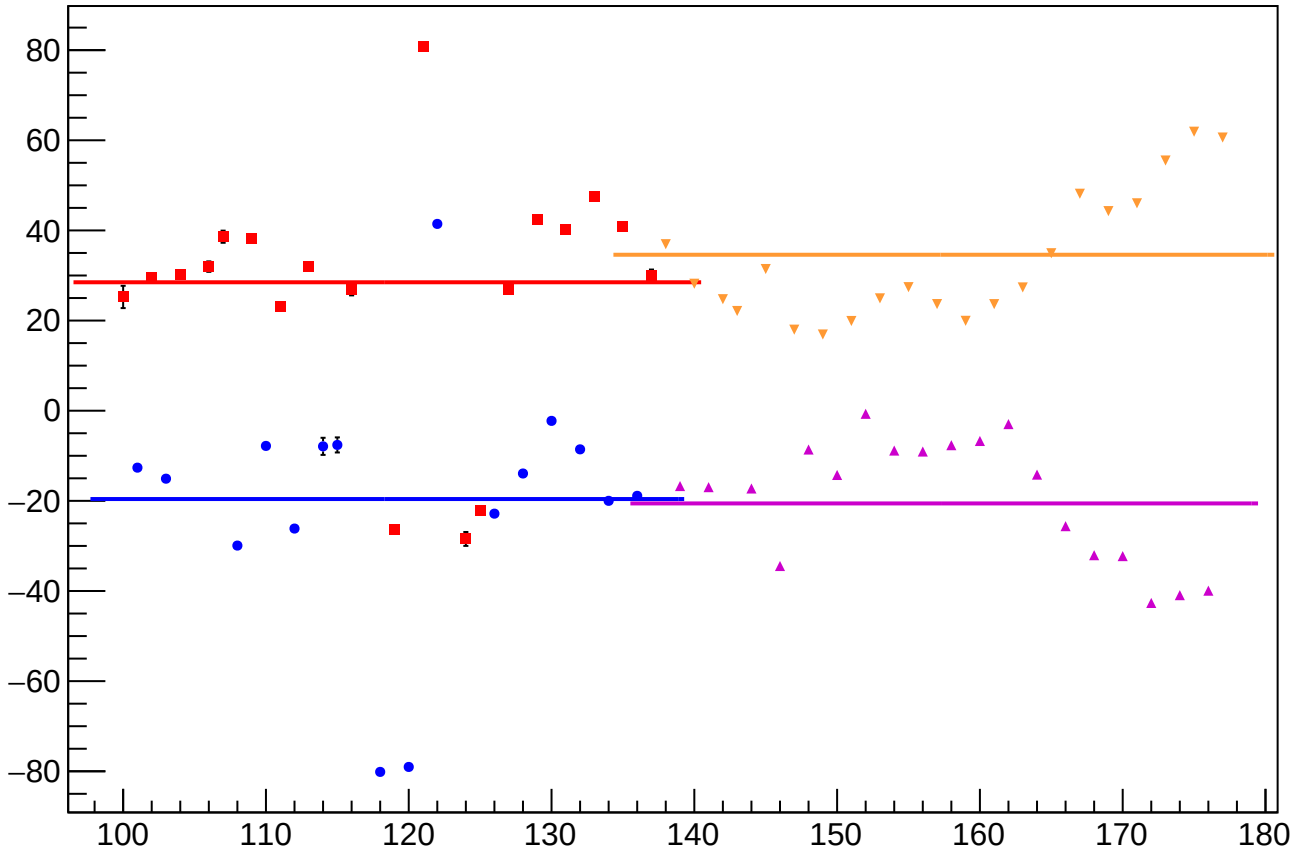
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 815.581+/-0.148 χ^2/NDF:486767.8/18

+ sign 838.688+/-0.122 χ^2/NDF: 795627.1/36

All: 843.846+/-0.088 χ^2/NDF: 1581971.0/74

- sign 849.338+/-0.126 χ^2/NDF: 782673.3/37



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 34.604+/-0.157 χ^2/NDF:8366.6/20

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

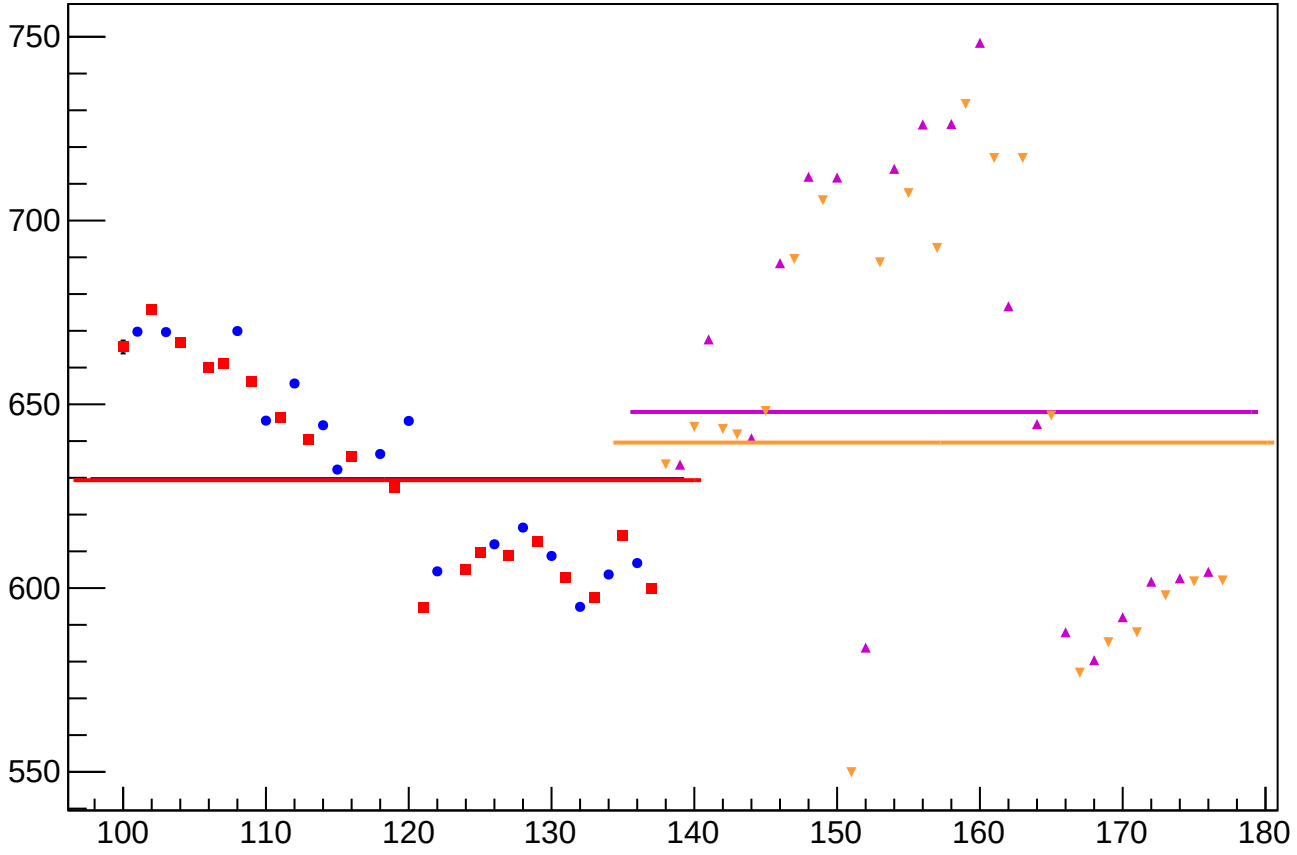
Left In: -20.571+/-0.165 χ^2/NDF:6781.2/18

+ sign 17.734+/-0.131 χ^2/NDF: 58471.3/36

All: 7.233+/-0.094 χ^2/NDF: 121592.8/74

- sign -3.843+/-0.134 χ^2/NDF: 49832.9/37

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 639.597+/-0.111 χ^2/NDF:233680.9/20

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

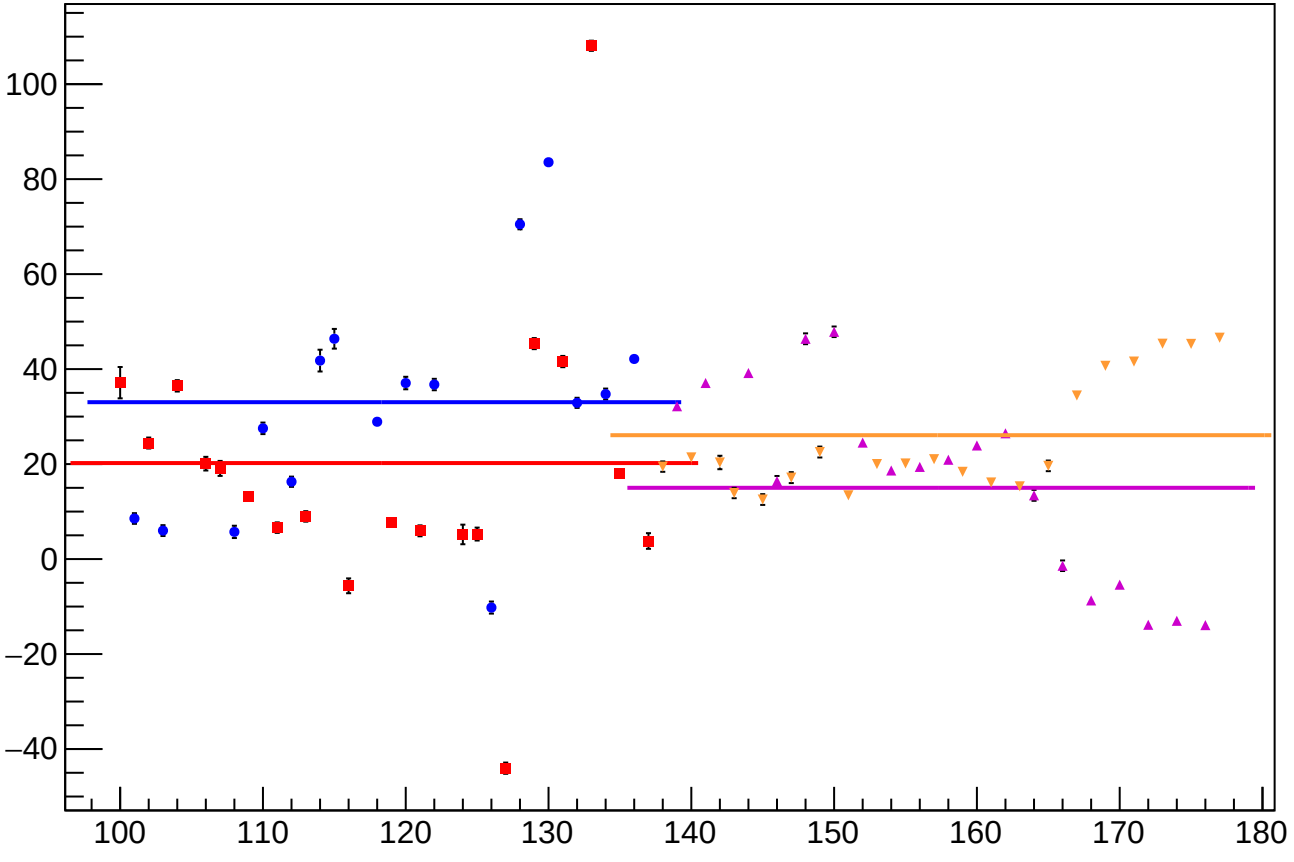
Left In: 647.922+/-0.117 χ^2/NDF:220322.1/18

+ sign 636.504+/-0.092 χ^2/NDF: 261479.5/36

All: 638.982+/-0.066 χ^2/NDF: 518680.7/74

- sign 641.594+/-0.095 χ^2/NDF: 255722.2/37

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 26.082+/-0.224 χ^2/NDF:2866.3/20

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

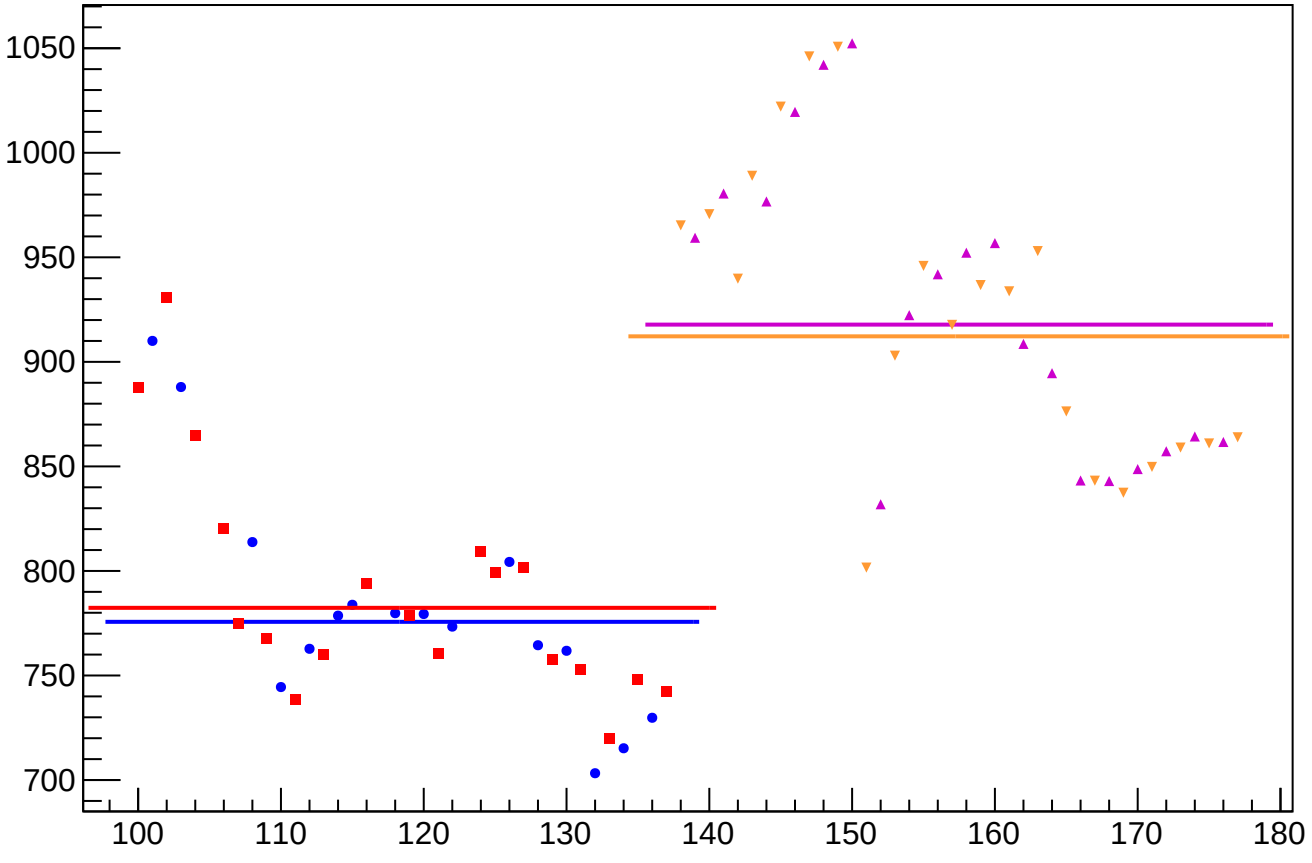
Left In: 15.006+/-0.234 χ^2/NDF:7205.4/18

+ sign 28.694+/-0.177 χ^2/NDF: 9927.8/36

All: 23.017+/-0.127 χ^2/NDF: 31302.2/74

- sign 17.091+/-0.181 χ^2/NDF: 19274.1/37

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 912.205+/-0.158 χ^2/NDF:187393.9/20

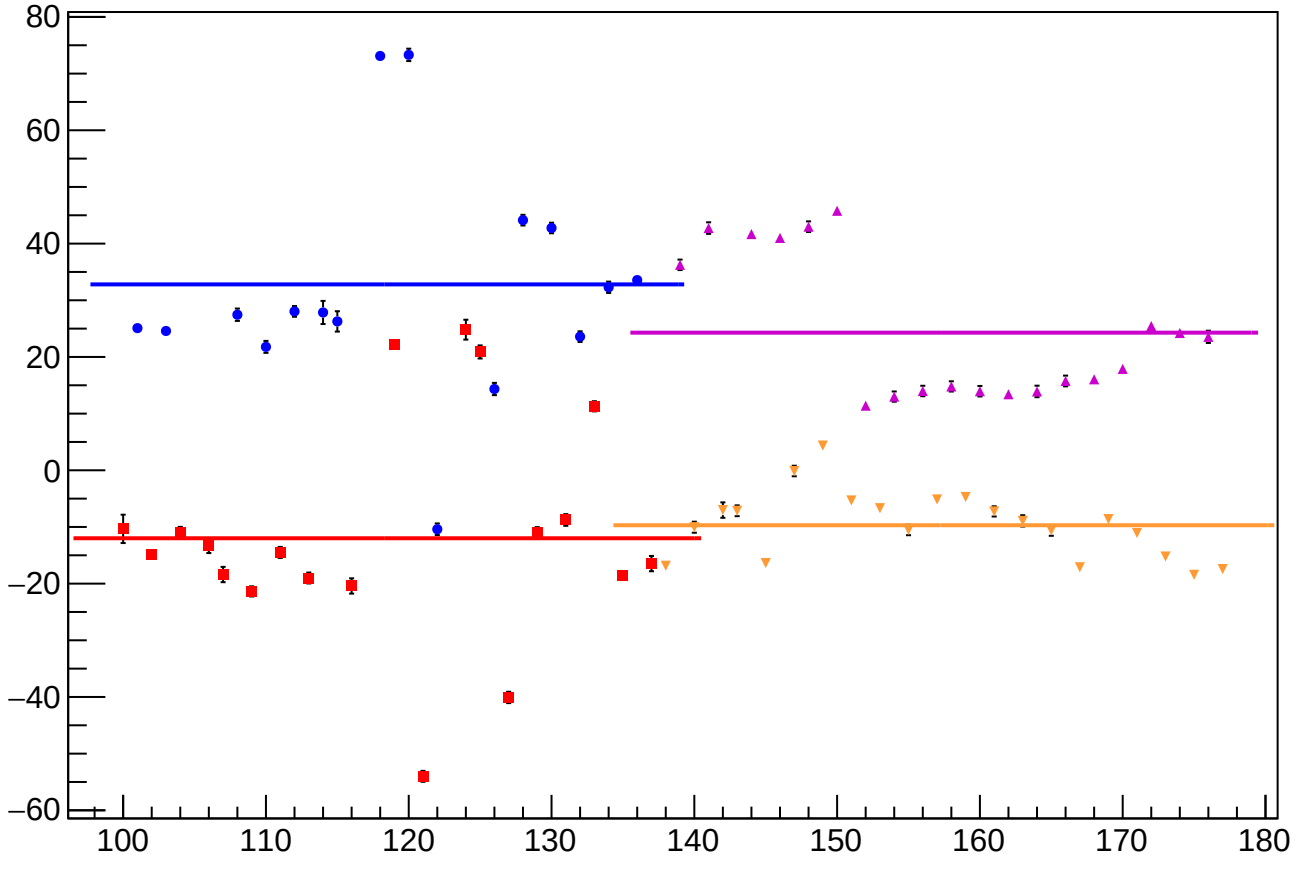
Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 917.816+/-0.165 χ^2/NDF:167058.0/18

\+ sign 860.912+/-0.125 χ^2/NDF: 540962.3/36

All: 862.220+/-0.089 χ^2/NDF: 1041918.9/74

\- sign 863.585+/-0.128 χ^2/NDF: 500733.6/37



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -9.696+/-0.192 χ^2/NDF:924.8/20

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

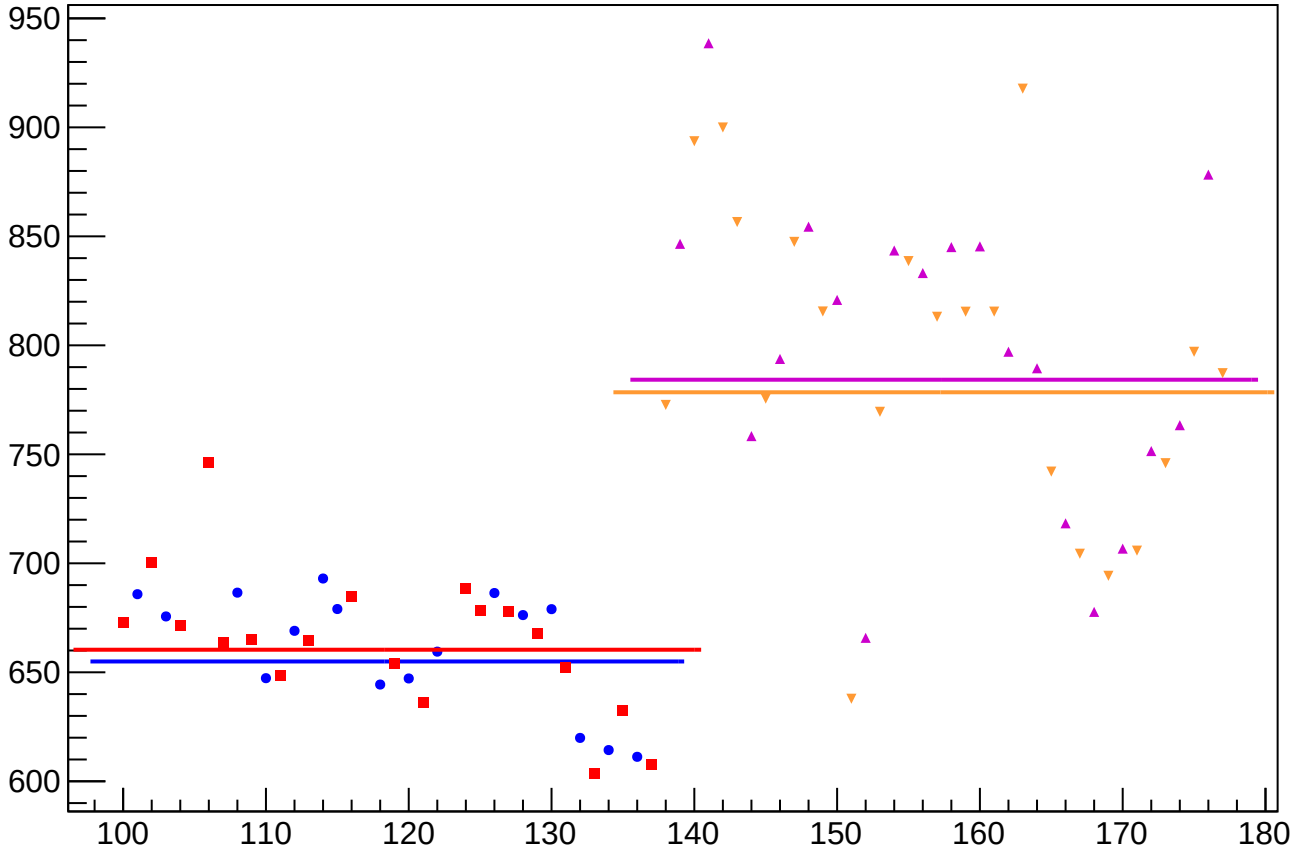
Left In: 24.286+/-0.200 χ^2/NDF:3742.0/18

\+ sign 6.589+/-0.151 χ^2/NDF: 25971.3/36

All: 7.993+/-0.108 χ^2/NDF: 49837.4/74

\- sign 9.460+/-0.154 χ^2/NDF: 23688.8/37

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 778.462+/-0.136 χ^2/NDF:276890.5/20

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

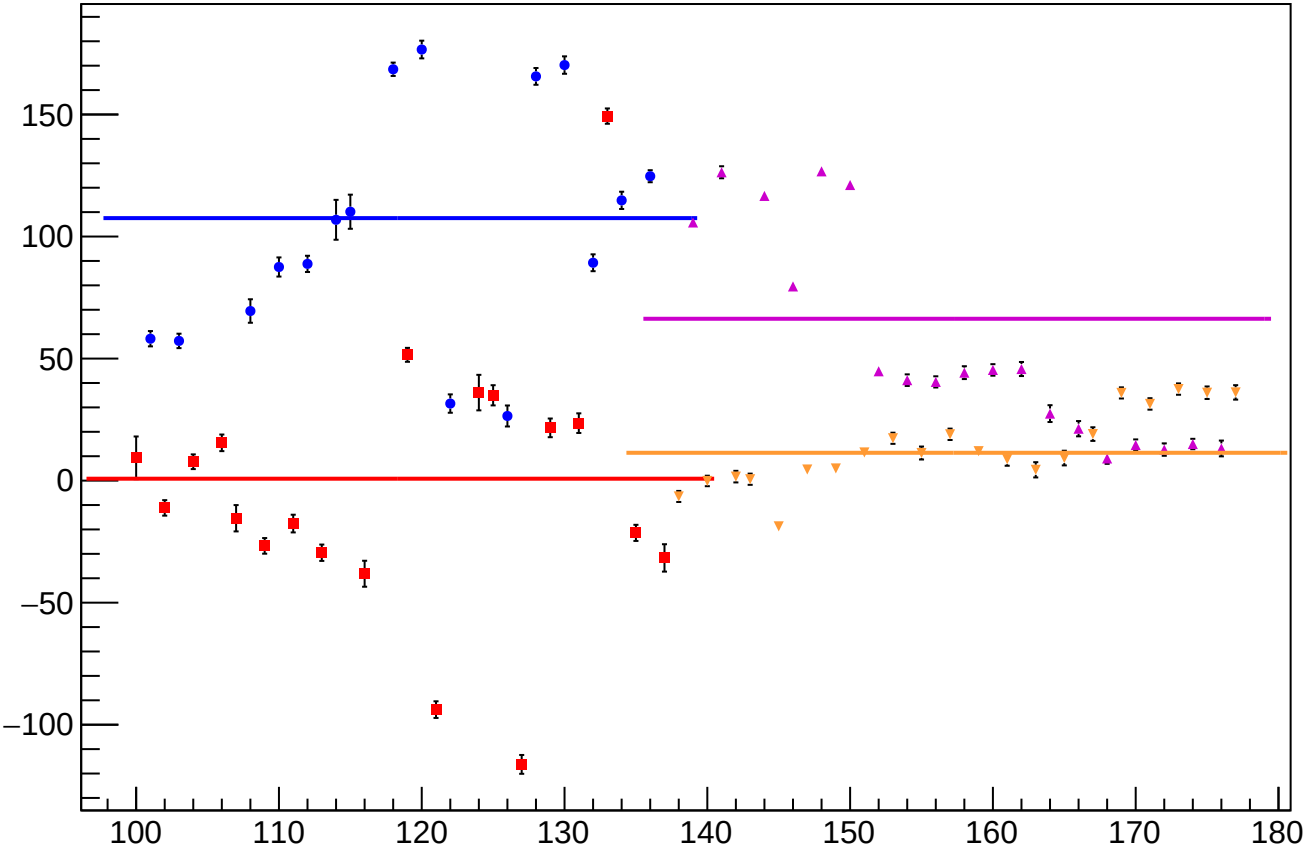
Left In: 784.224+/-0.142 χ^2/NDF:249903.2/18

+ sign 731.142+/-0.107 χ^2/NDF: 620886.6/36

All: 732.346+/-0.076 χ^2/NDF: 1213587.1/74

- sign 733.606+/-0.109 χ^2/NDF: 592439.3/37

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 11.407+/-0.497 χ^2/NDF:902.4/20

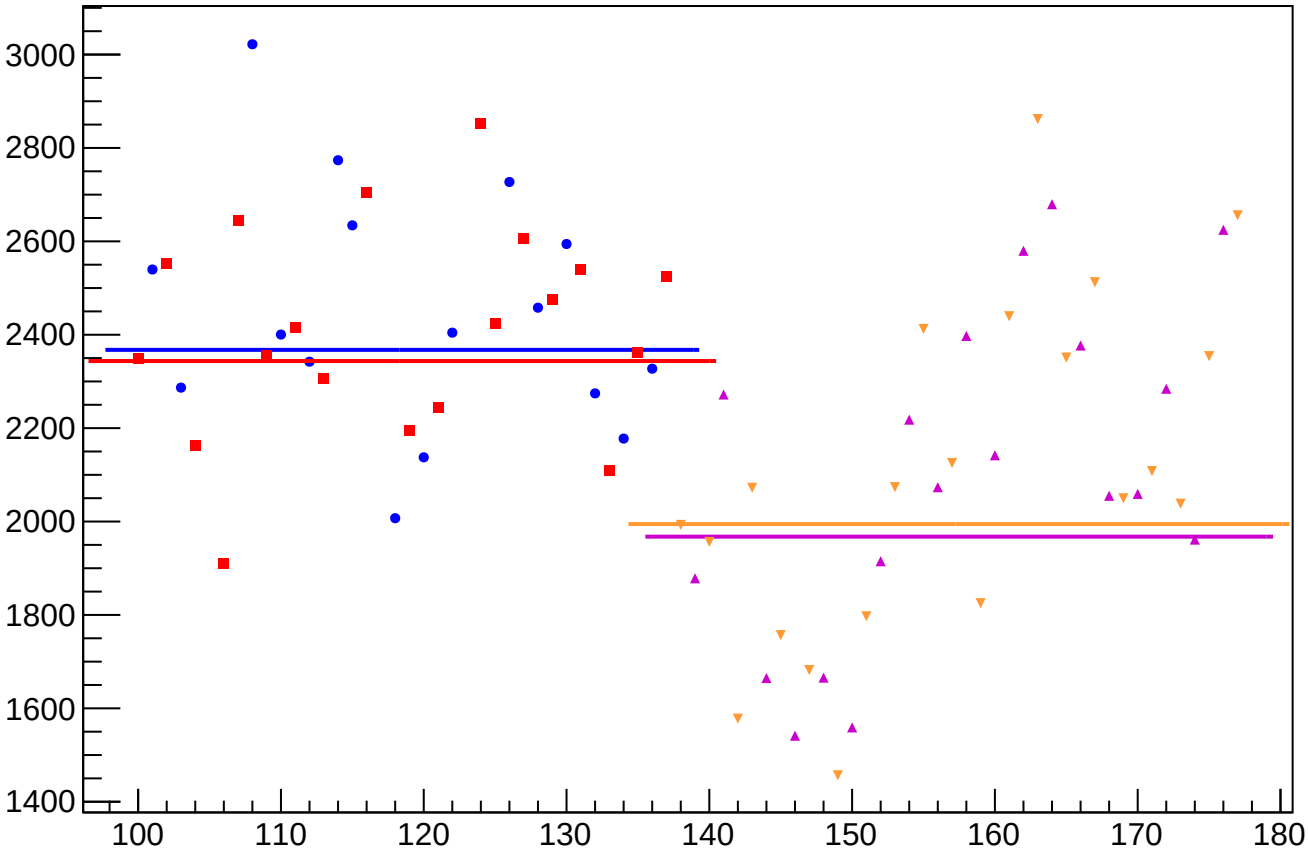
Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: 66.311+/-0.509 χ^2/NDF:7348.3/18

\+ sign 34.452+/-0.433 χ^2/NDF: 12824.0/36

All: 41.799+/-0.308 χ^2/NDF: 29808.5/74

\- sign 49.315+/-0.438 χ^2/NDF: 16403.3/37



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1994.588+/-0.352 χ^2/NDF:920477.0/20

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

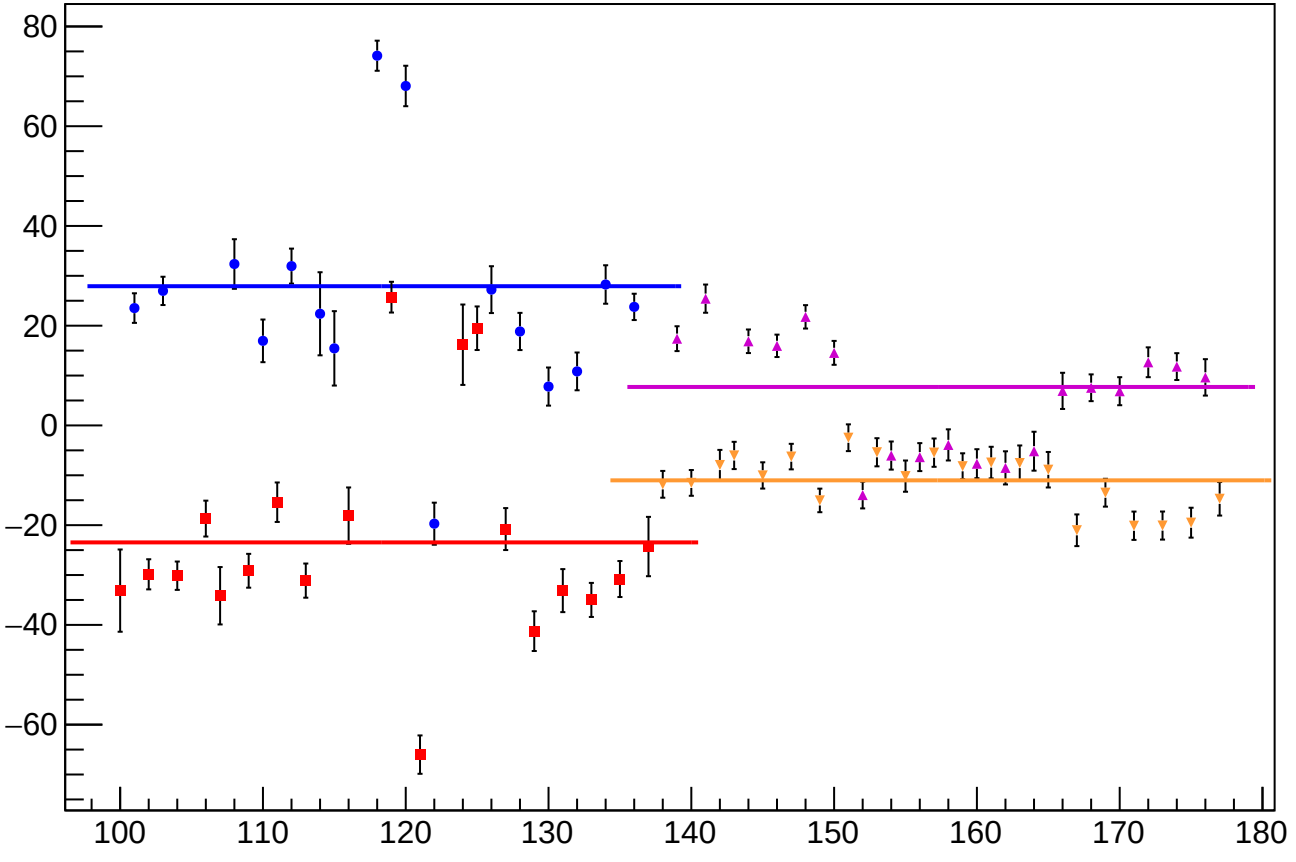
Left In: 1967.652+/-0.360 χ^2/NDF:827515.6/18

+ sign 2084.006+/-0.306 χ^2/NDF: 1317215.1/36

All: 2074.708+/-0.218 χ^2/NDF: 2541543.9/74

- sign 2065.196+/-0.310 χ^2/NDF: 1222467.2/37

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.014+/-0.622 χ^2/NDF:73.4/20

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

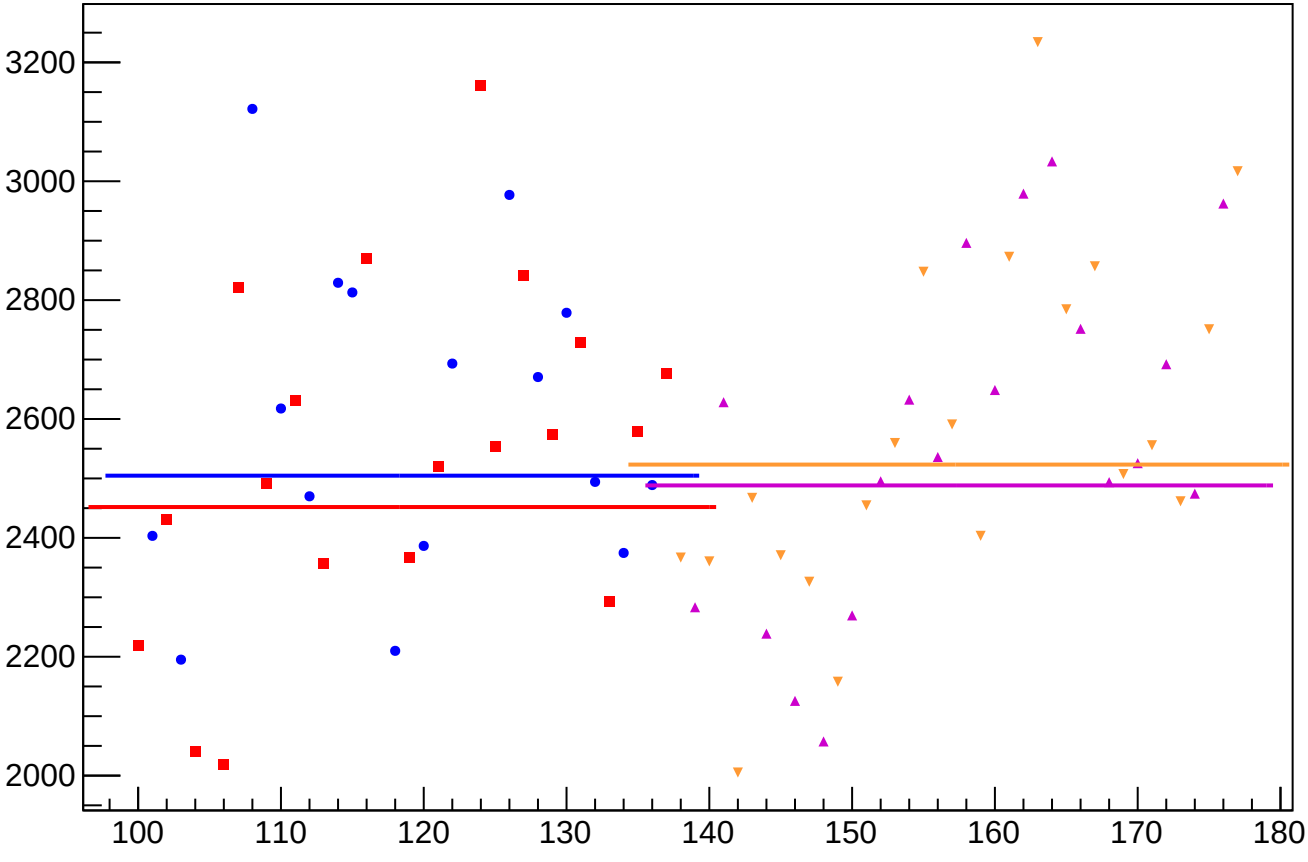
Left In: 7.714+/-0.638 χ^2/NDF:323.2/18

+ sign 0.908+/-0.518 χ^2/NDF: 1802.2/36

All: -0.875+/-0.368 χ^2/NDF: 3512.1/74

- sign -2.678+/-0.521 χ^2/NDF: 1686.0/37

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2523.312+/-0.440 χ^2/NDF:363057.8/20

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

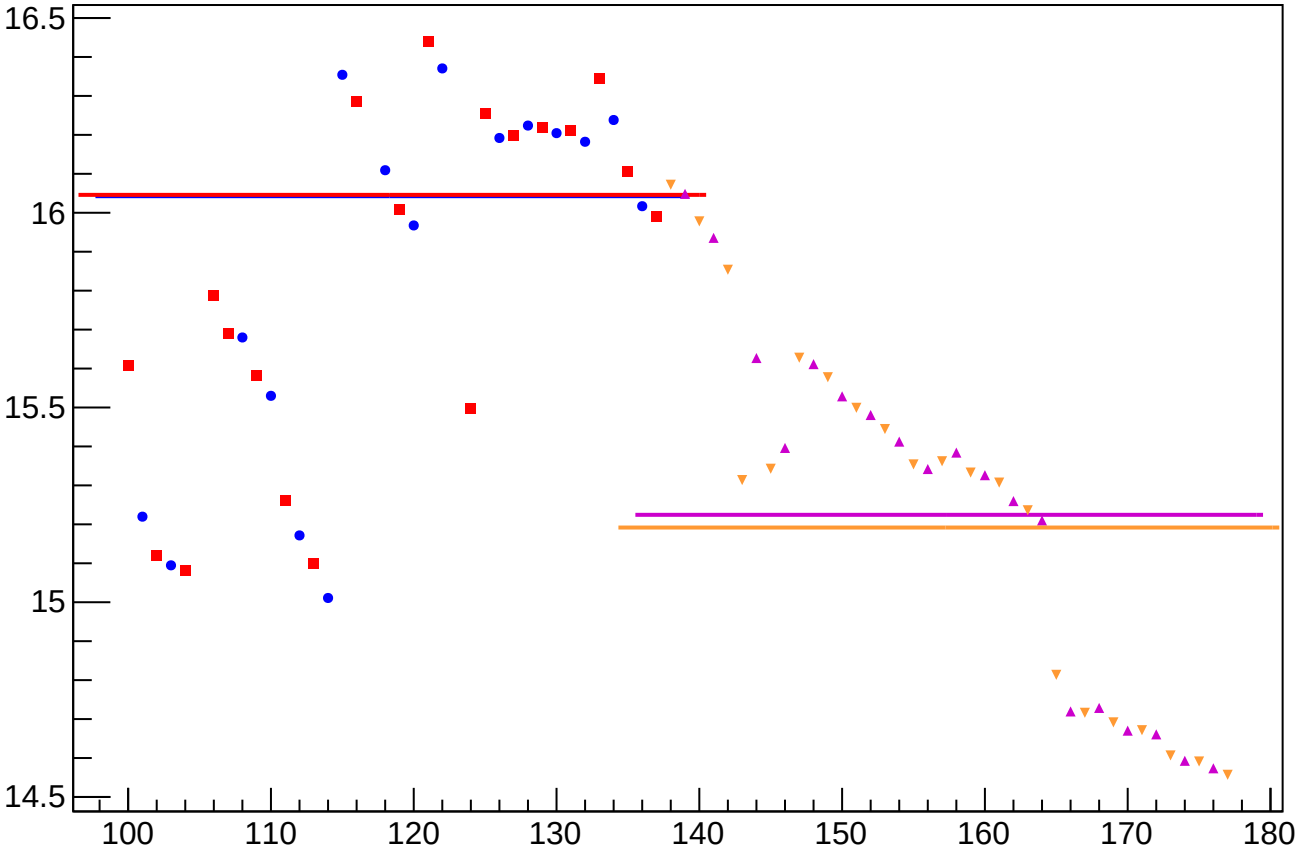
Left In: 2488.237+/-0.451 χ^2/NDF:359566.6/18

+ sign 2517.598+/-0.367 χ^2/NDF: 490207.3/36

All: 2496.968+/-0.260 χ^2/NDF: 1011543.1/74

- sign 2476.116+/-0.369 χ^2/NDF: 514966.9/37

yield_sam1_mean vs Slug



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.192+/-0.000 χ^2/NDF:31572656051.6/20

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

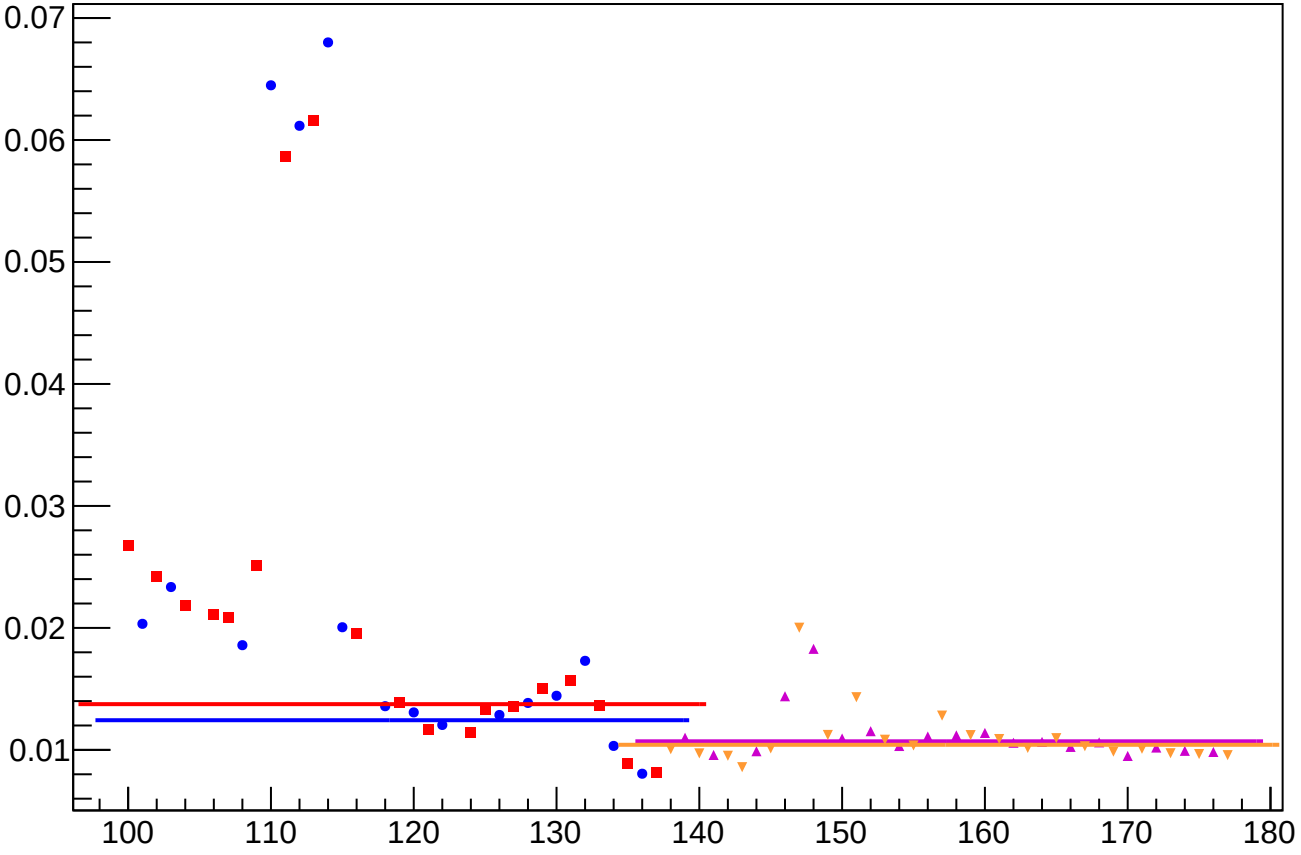
Left In: 15.224+/-0.000 χ^2/NDF:27012657865.6/18

+ sign 15.361+/-0.000 χ^2/NDF: 55066139885.3/36

All: 15.371+/-0.000 χ^2/NDF: 102082944412.

- sign 15.382+/-0.000 χ^2/NDF: 46980448226.2/37

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:688498.9/20

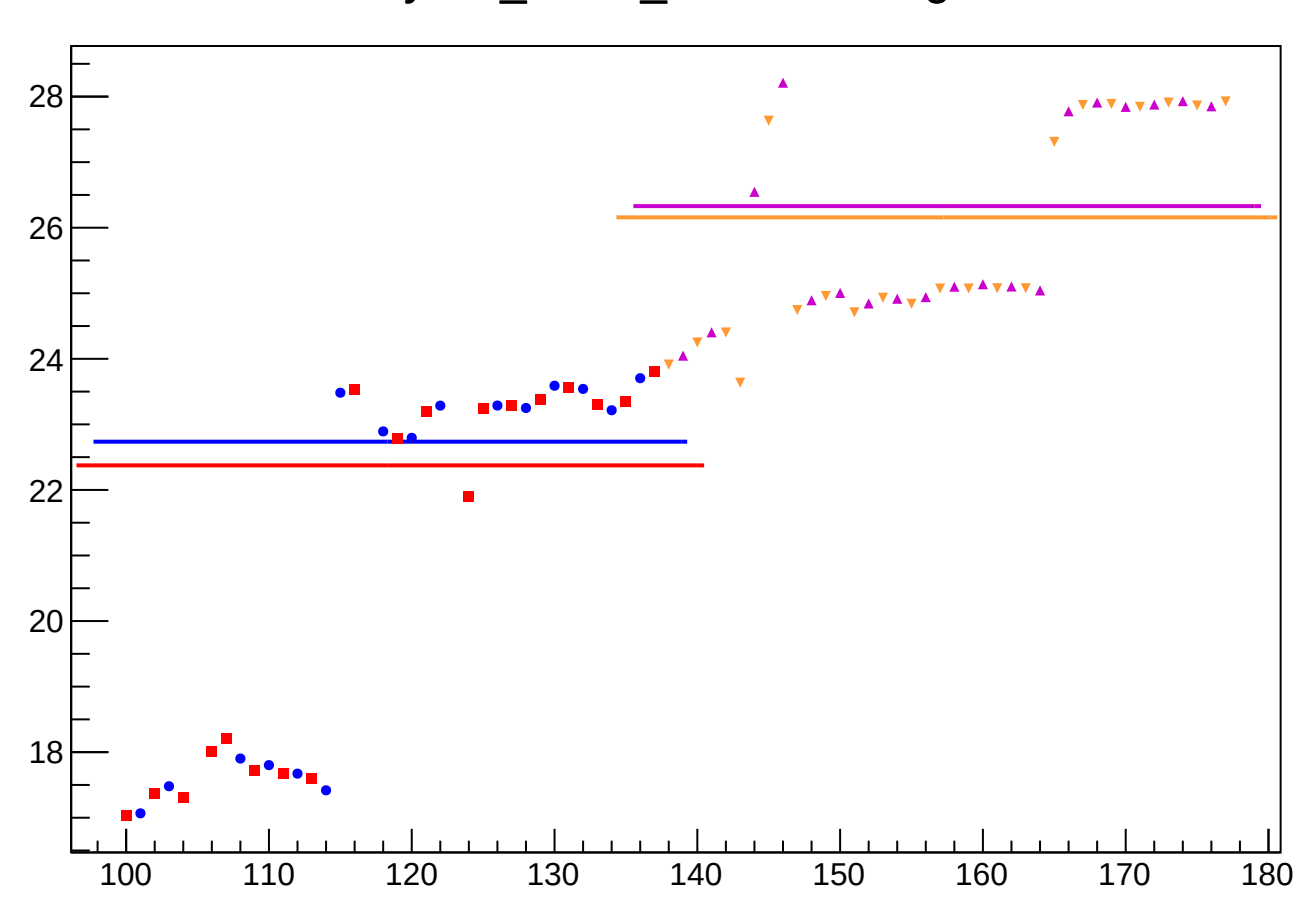
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:487469.3/18

+ sign 0.011+/-0.000 χ^2/NDF: 3236789.1/36

All: 0.011+/-0.000 χ^2/NDF: 6443107.8/74

- sign 0.011+/-0.000 χ^2/NDF: 3169620.1/37



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.157+/-0.000 χ^2/NDF:3159548138.8/20

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

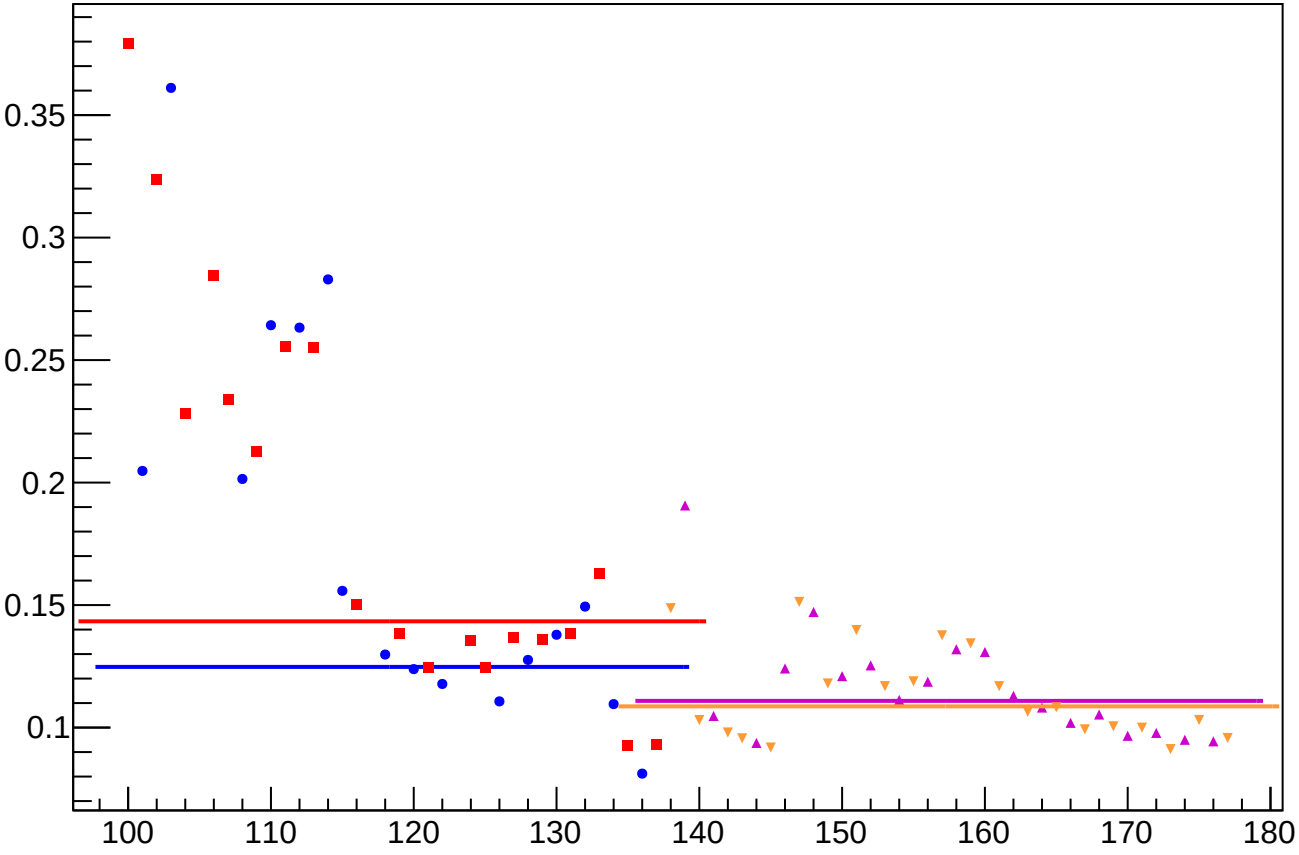
Left In: 26.329+/-0.000 χ^2/NDF:2317072759.4/18

+ sign 25.398+/-0.000 χ^2/NDF: 7509600403.2/36

All: 25.453+/-0.000 χ^2/NDF: 14524326285.7

- sign 25.516+/-0.000 χ^2/NDF: 7004774806.6/37

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.109+/-0.000 χ^2/NDF:643706.9/20

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

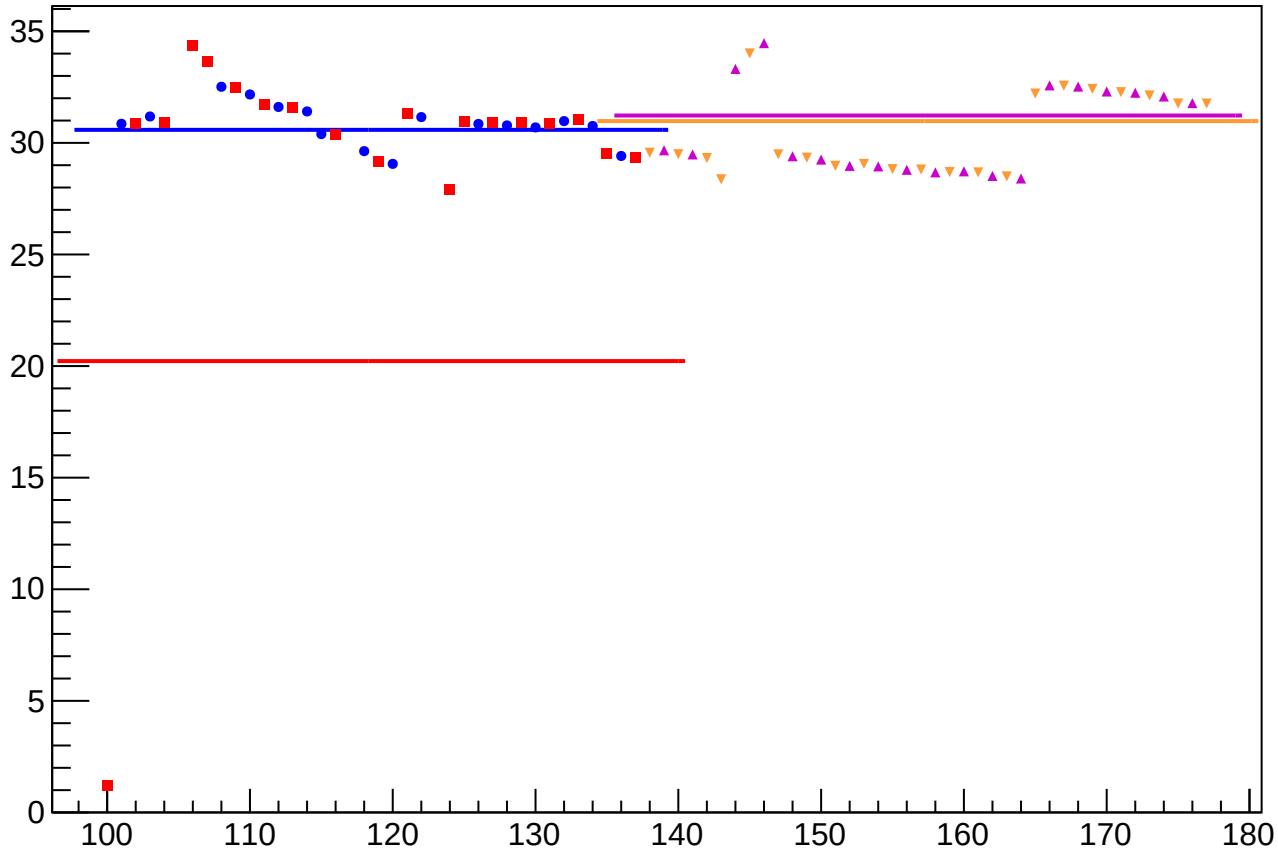
Left In: 0.111+/-0.000 χ^2/NDF:714963.7/18

+ sign 0.112+/-0.000 χ^2/NDF: 2532194.4/36

All: 0.115+/-0.000 χ^2/NDF: 5326787.4/74

- sign 0.118+/-0.000 χ^2/NDF: 2753190.5/37

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.977+/-0.000 χ^2/NDF:11786637181.5/20

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

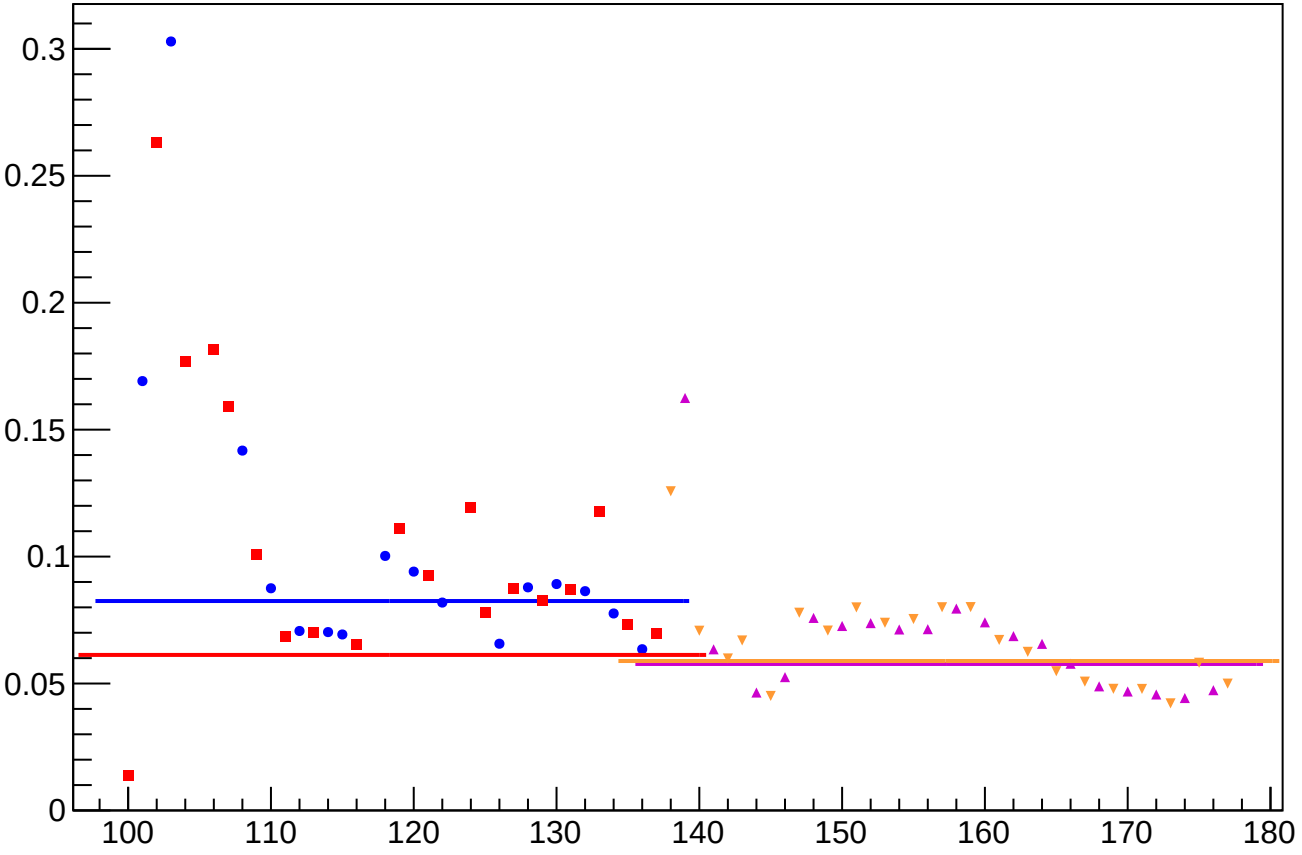
Left In: 31.226+/-0.000 χ^2/NDF:12556528921.7/18

+ sign 30.908+/-0.000 χ^2/NDF: 12537242429.1/36

All: 29.734+/-0.000 χ^2/NDF: 358559382448.

- sign 28.601+/-0.000 χ^2/NDF: 334099949767.7/37

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:1496137.8/20

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

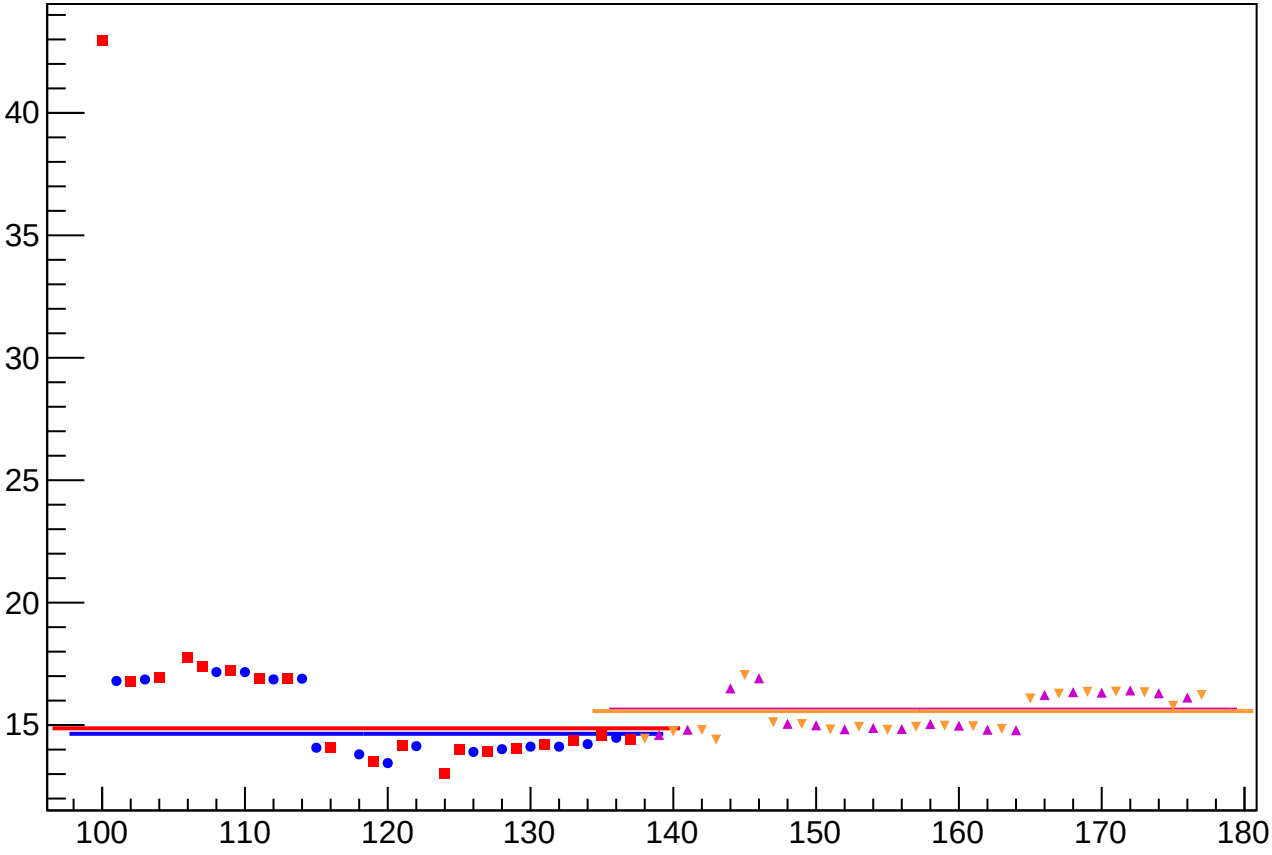
Left In: 0.058+/-0.000 χ^2/NDF:1695035.0/18

+ sign 0.063+/-0.000 χ^2/NDF: 3469941.3/36

All: 0.061+/-0.000 χ^2/NDF: 9289964.8/74

- sign 0.059+/-0.000 χ^2/NDF: 5730394.1/37

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.571+/-0.000 χ^2/NDF:2141950663.9/20

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

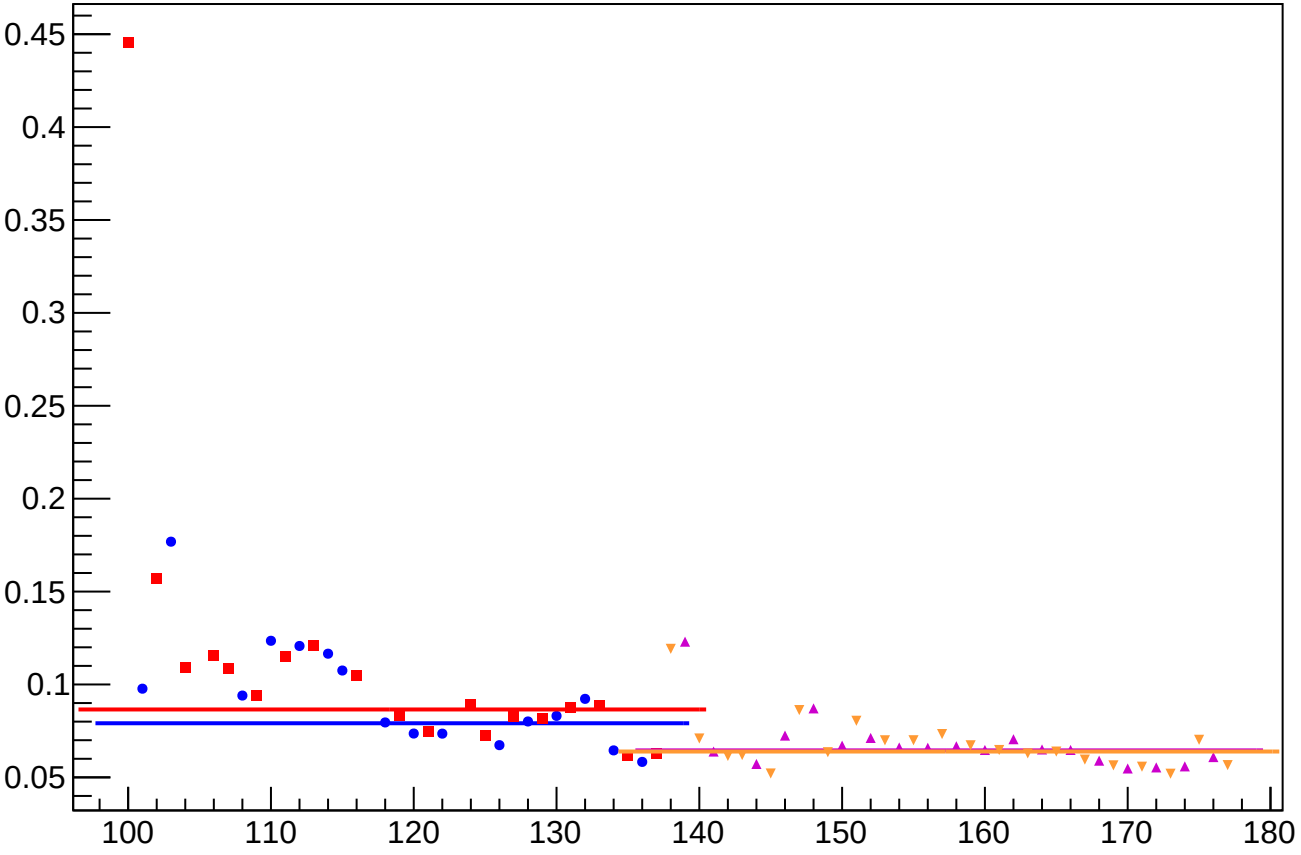
Left In: 15.632+/-0.000 χ^2/NDF:1830187094.0/18

+ sign 15.372+/-0.000 χ^2/NDF: 3968867669.8/36

All: 15.421+/-0.000 χ^2/NDF: 7930312225.2/7

- sign 15.474+/-0.000 χ^2/NDF: 3939881550.4/37

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:770210.8/20

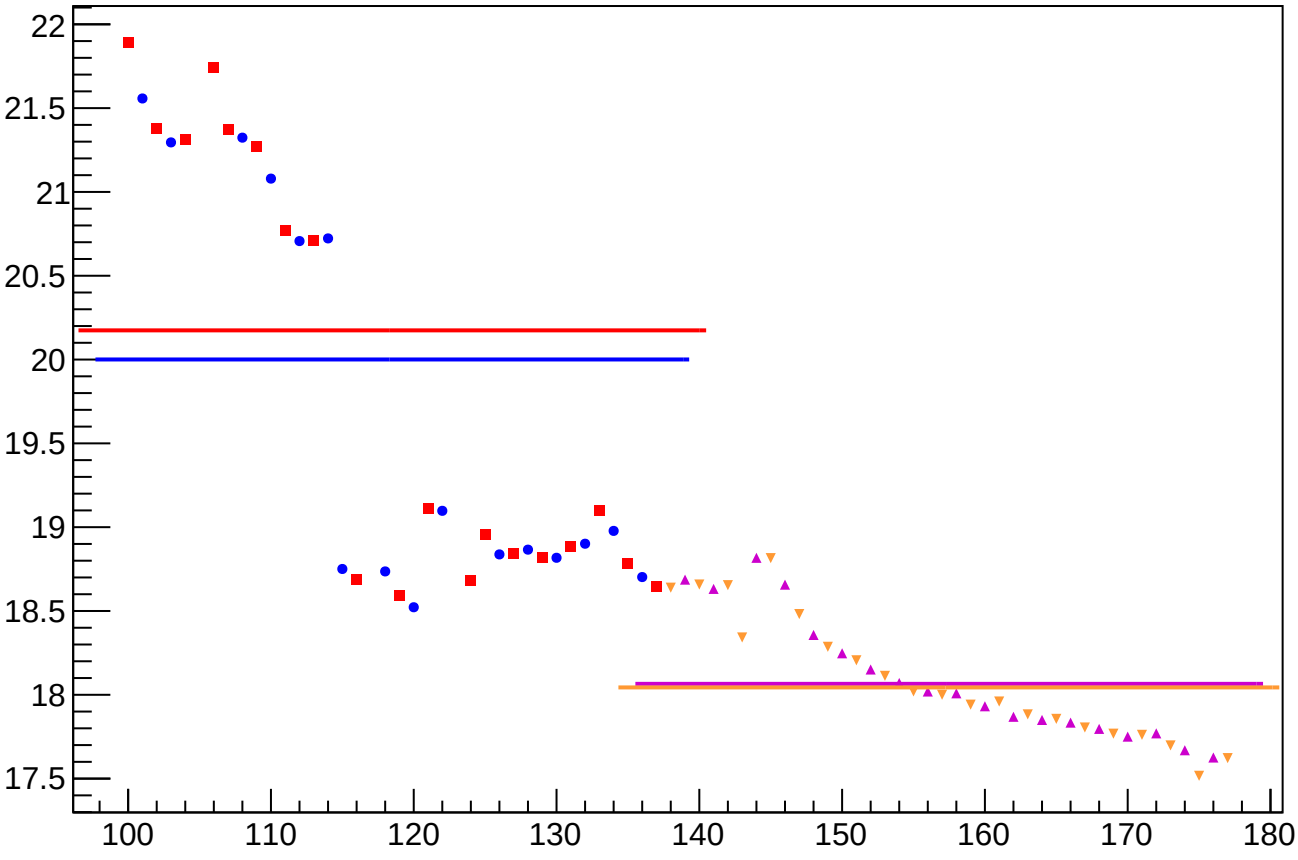
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:678895.4/18

+ sign 0.067+/-0.000 χ^2/NDF: 2029412.9/36

All: 0.068+/-0.000 χ^2/NDF: 4147197.6/74

- sign 0.069+/-0.000 χ^2/NDF: 2102653.0/37



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.044+/-0.000 χ^2/NDF:2180075493.4/20

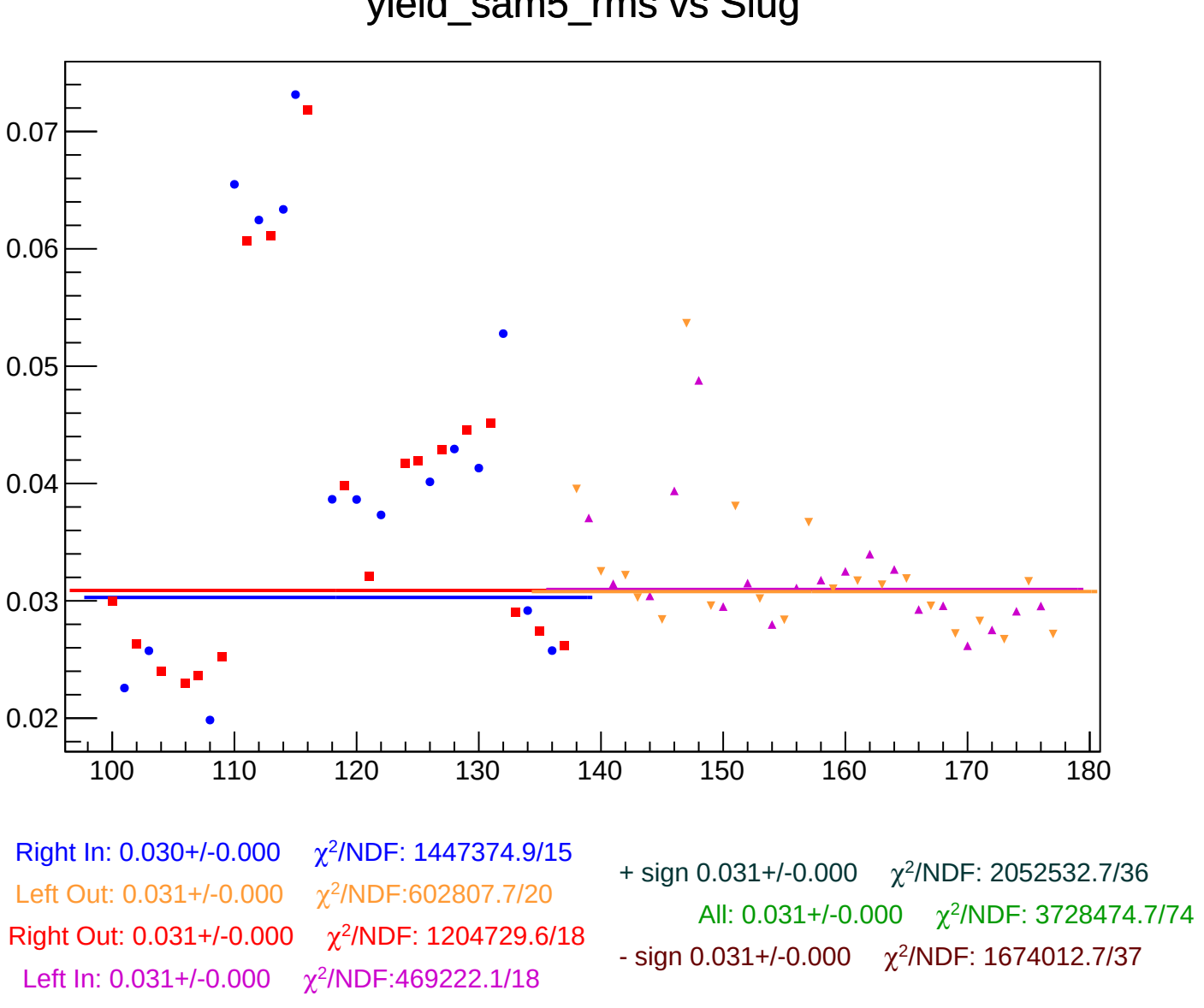
Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

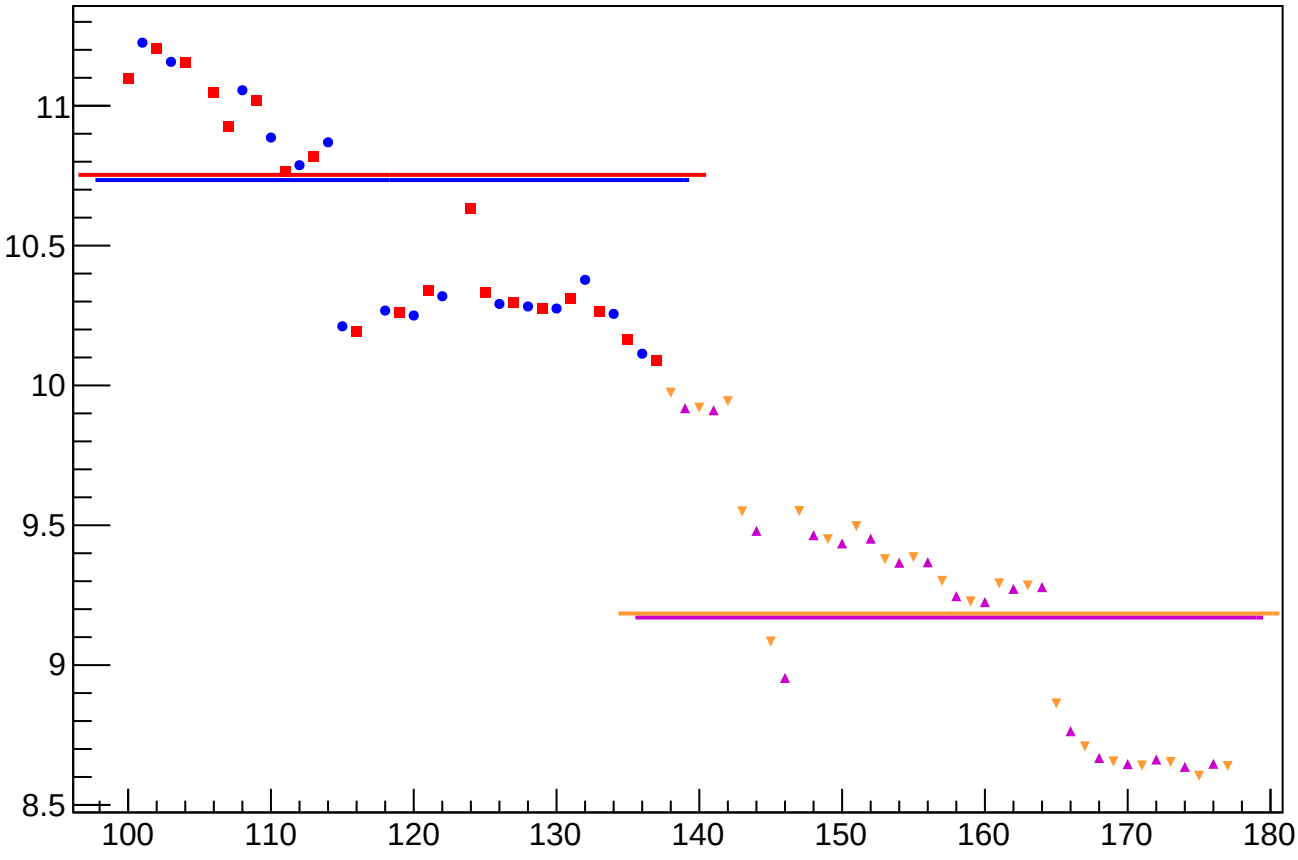
Left In: 18.065+/-0.000 χ^2/NDF:1942643404.2/18

+ sign 18.595+/-0.000 χ^2/NDF: 30935910661.0/36

All: 18.644+/-0.000 χ^2/NDF: 63747021647.1

- sign 18.696+/-0.000 χ^2/NDF: 32696759241.9/37


yield_sam5_rms vs Slug
0.07
0.06
0.05
0.04
0.03
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.030+/-0.000 χ²/NDF: 1447374.9/15
Left Out: 0.031+/-0.000 χ²/NDF:602807.7/20
Right Out: 0.031+/-0.000 χ²/NDF: 1204729.6/18
Left In: 0.031+/-0.000 χ²/NDF:469222.1/18
+ sign 0.031+/-0.000 χ²/NDF: 2052532.7/36
All: 0.031+/-0.000 χ²/NDF: 3728474.7/74
- sign 0.031+/-0.000 χ²/NDF: 1674012.7/37



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.185+/-0.000 χ^2/NDF:7886112785.2/20

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

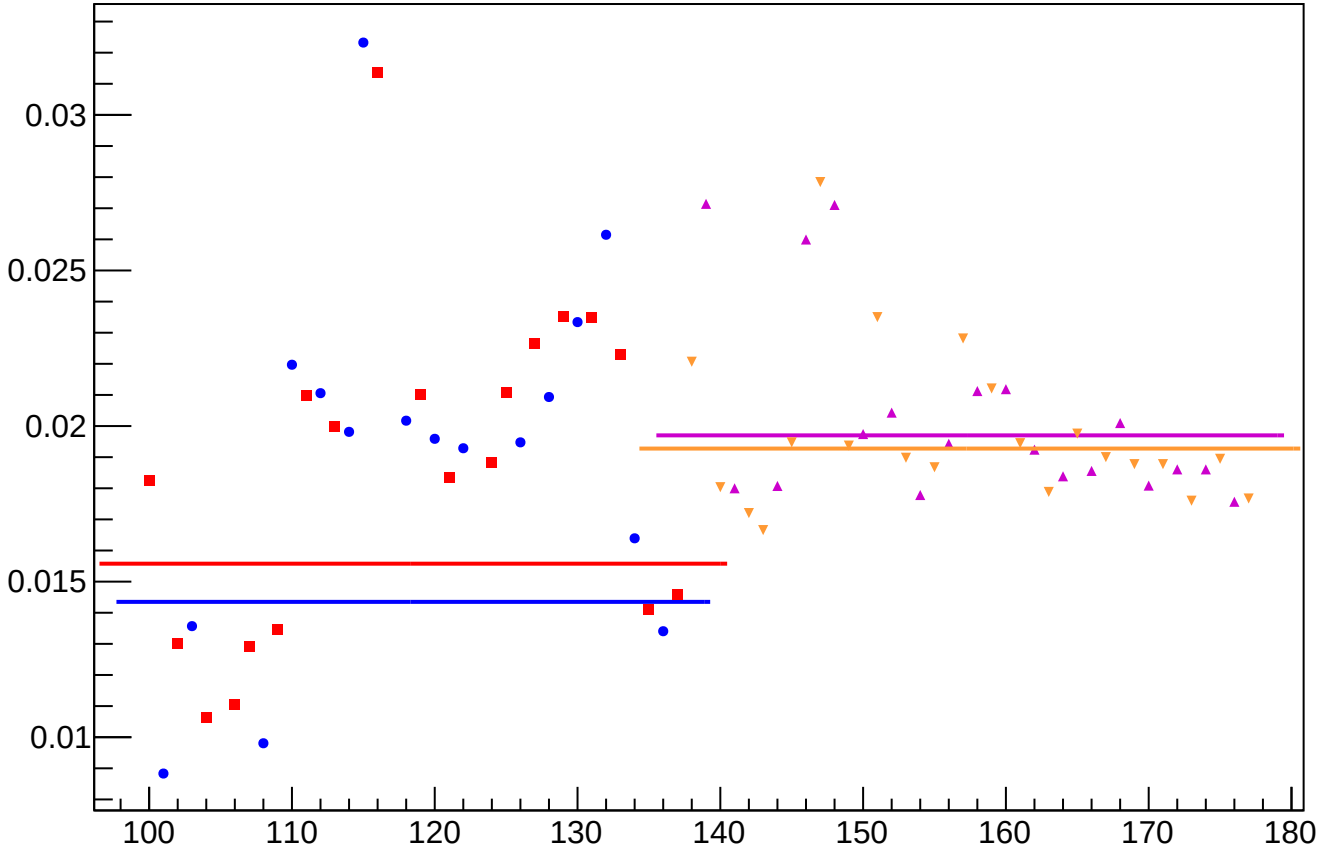
Left In: 9.170+/-0.000 χ^2/NDF:6004496890.0/18

+ sign 9.811+/-0.000 χ^2/NDF: 53265866414.1/36

All: 9.818+/-0.000 χ^2/NDF: 101097284000.9

- sign 9.825+/-0.000 χ^2/NDF: 47825822431.5/37

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:367103.3/20

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

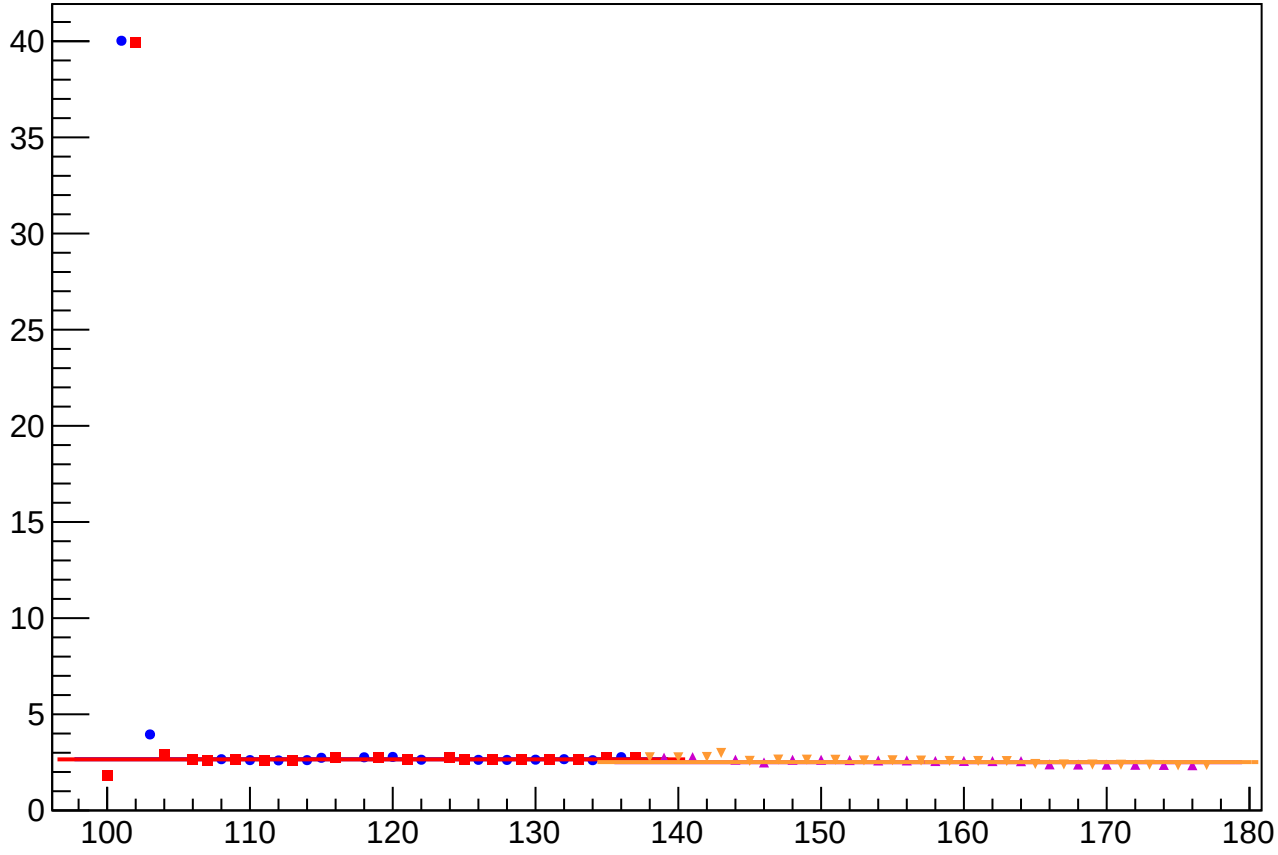
Left In: 0.020+/-0.000 χ^2/NDF:451547.1/18

+ sign 0.017+/-0.000 χ^2/NDF: 2647309.2/36

All: 0.018+/-0.000 χ^2/NDF: 4712559.9/74

- sign 0.018+/-0.000 χ^2/NDF: 2032413.1/37

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.514+/-0.000 χ^2/NDF:79035197407.8/20

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

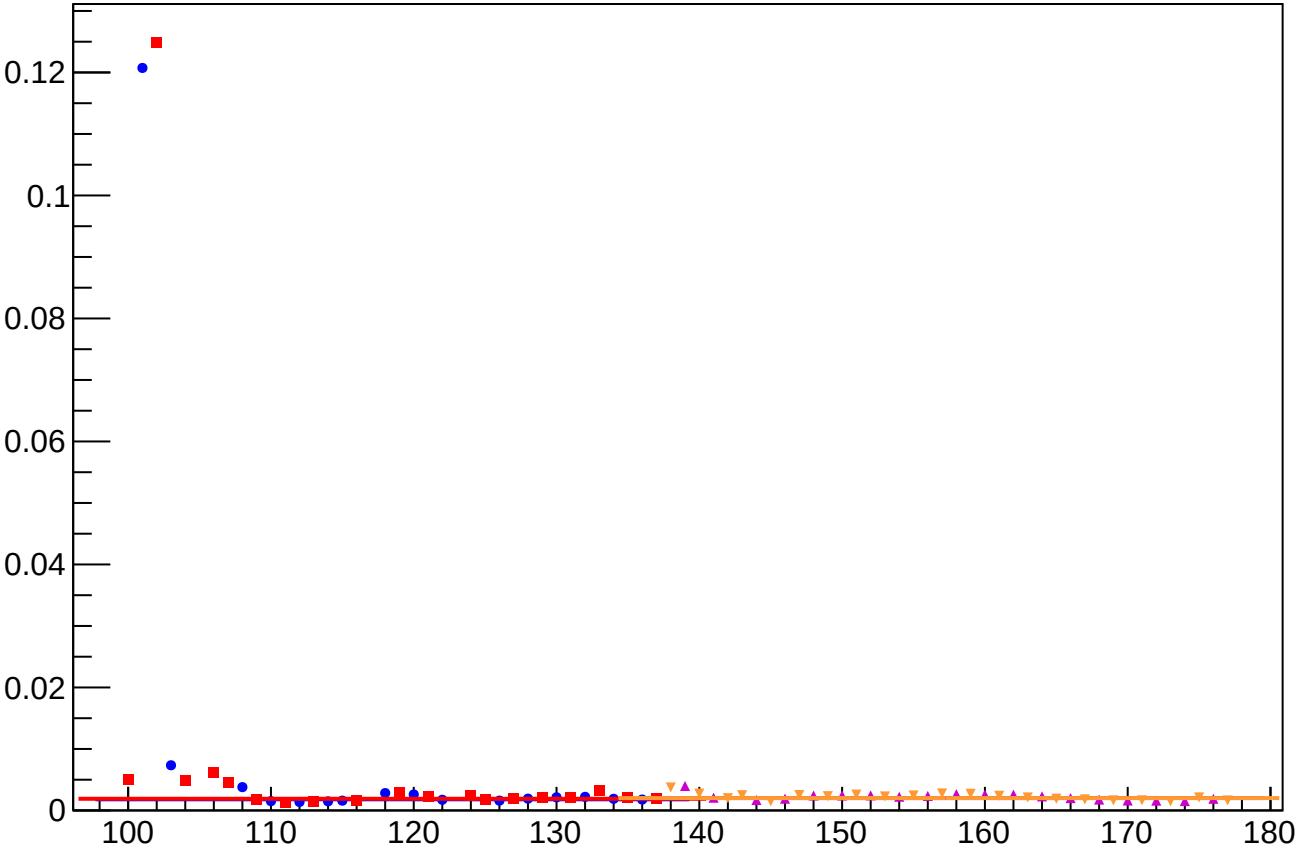
Left In: 2.508+/-0.000 χ^2/NDF:51078111721.5/18

+ sign 2.560+/-0.000 χ^2/NDF: 169273320042.0/36

All: 2.558+/-0.000 χ^2/NDF: 306593555132.5

- sign 2.555+/-0.000 χ^2/NDF: 137262915228.7/37

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:1454228.5/20

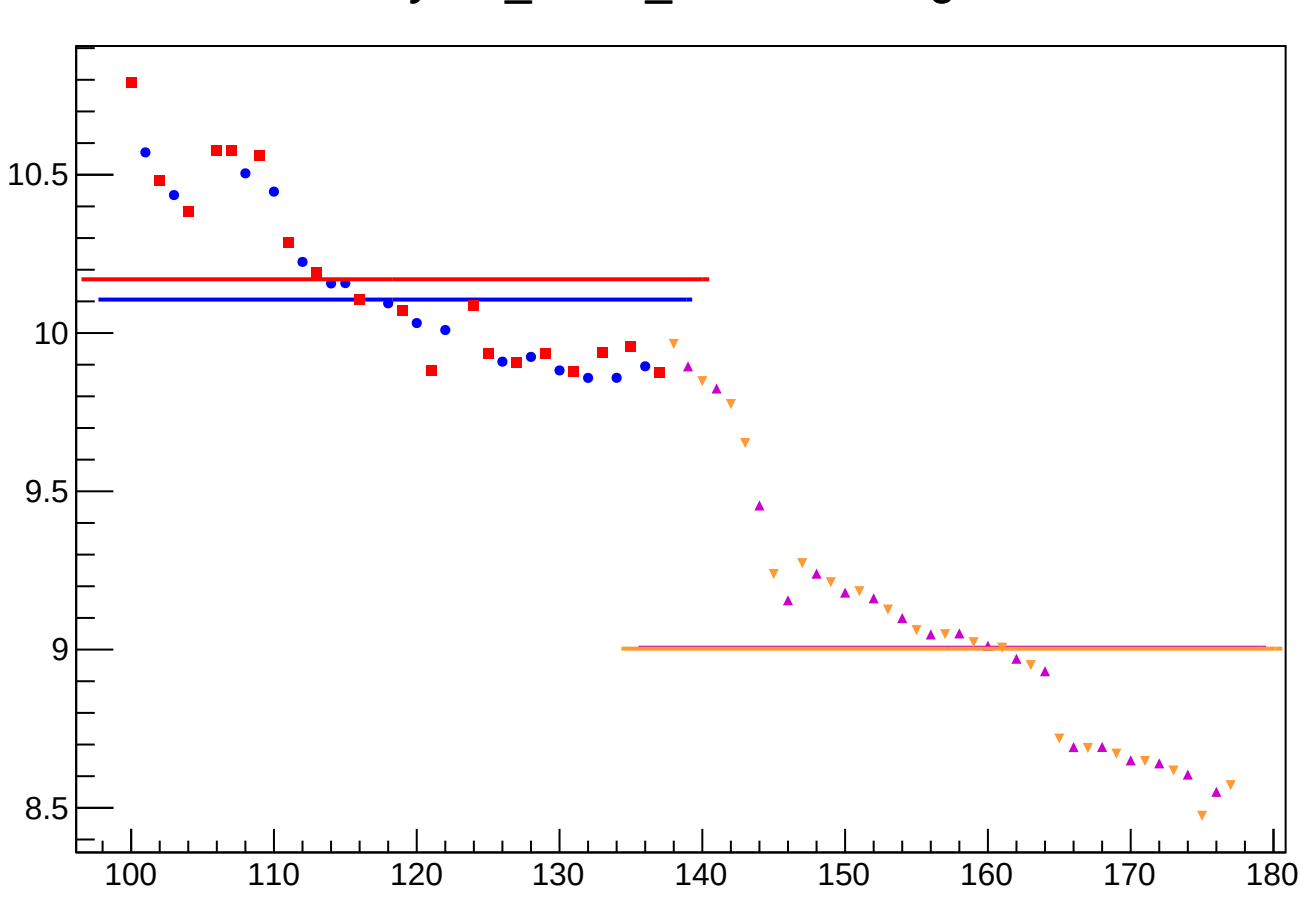
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1213661.7/18

+ sign 0.002+/-0.000 χ^2/NDF: 3354708.0/36

All: 0.002+/-0.000 χ^2/NDF: 7124924.5/74

- sign 0.002+/-0.000 χ^2/NDF: 3766277.5/37



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.003+/-0.000 χ^2/NDF:52275460759.5/20

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

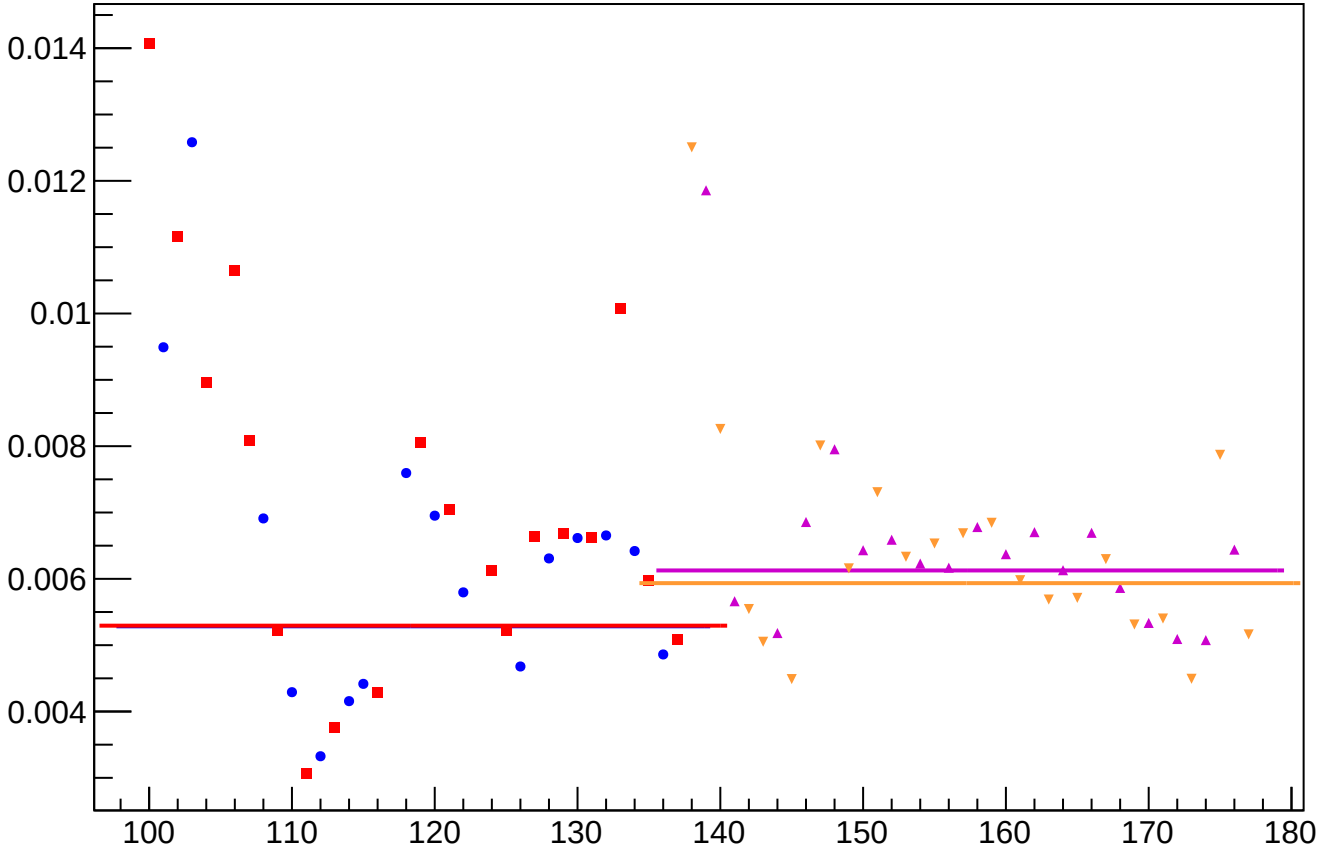
Left In: 9.006+/-0.000 χ^2/NDF:41323115180.9/18

+ sign 9.378+/-0.000 χ^2/NDF: 216672658818.9/36

All: 9.407+/-0.000 χ^2/NDF: 435532613233.0

- sign 9.439+/-0.000 χ^2/NDF: 217826697079.3/37

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:1143476.3/20

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

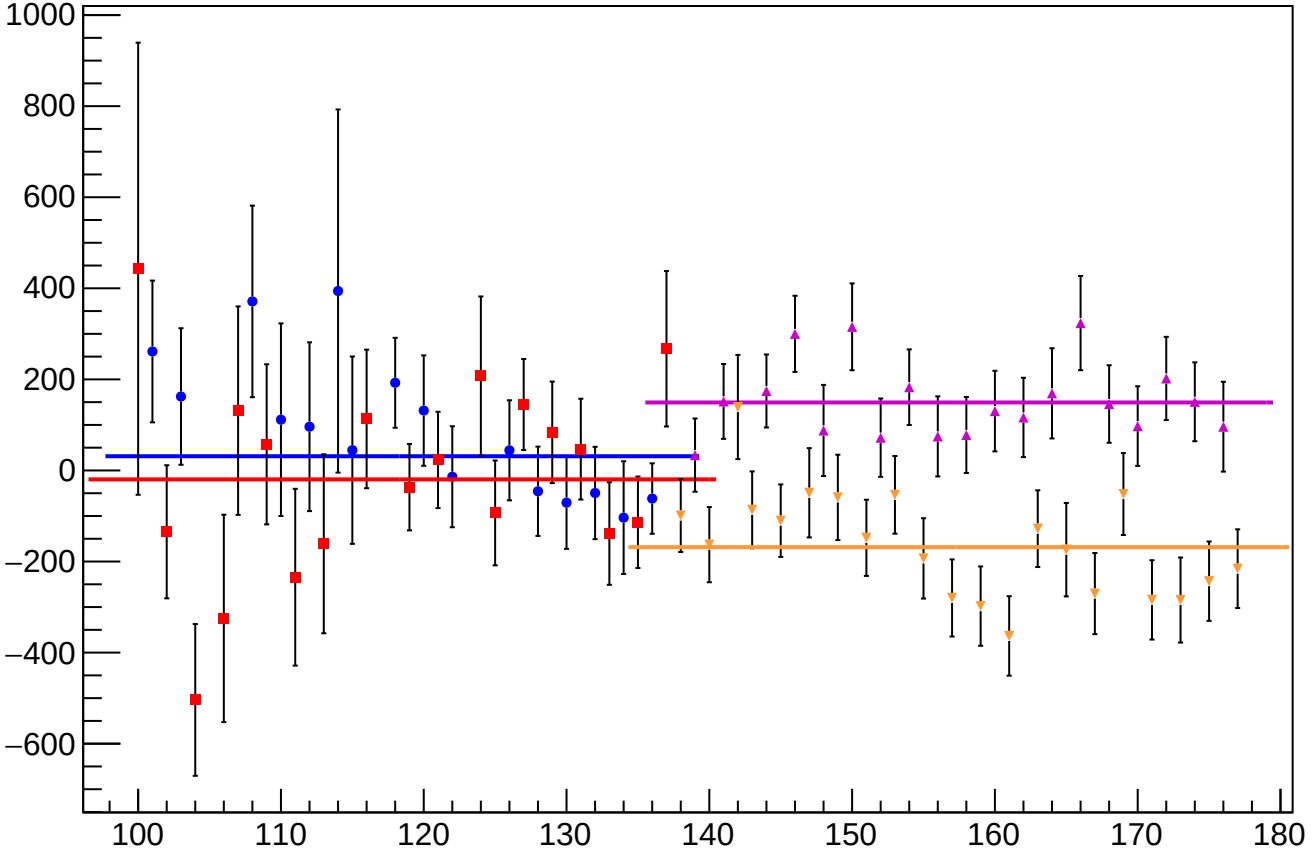
Left In: 0.006+/-0.000 χ^2/NDF:707322.9/18

+ sign 0.006+/-0.000 χ^2/NDF: 2525707.9/36

All: 0.006+/-0.000 χ^2/NDF: 5202348.4/74

- sign 0.006+/-0.000 χ^2/NDF: 2670868.1/37

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.392+/-19.230 χ^2/NDF:30.8/20

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

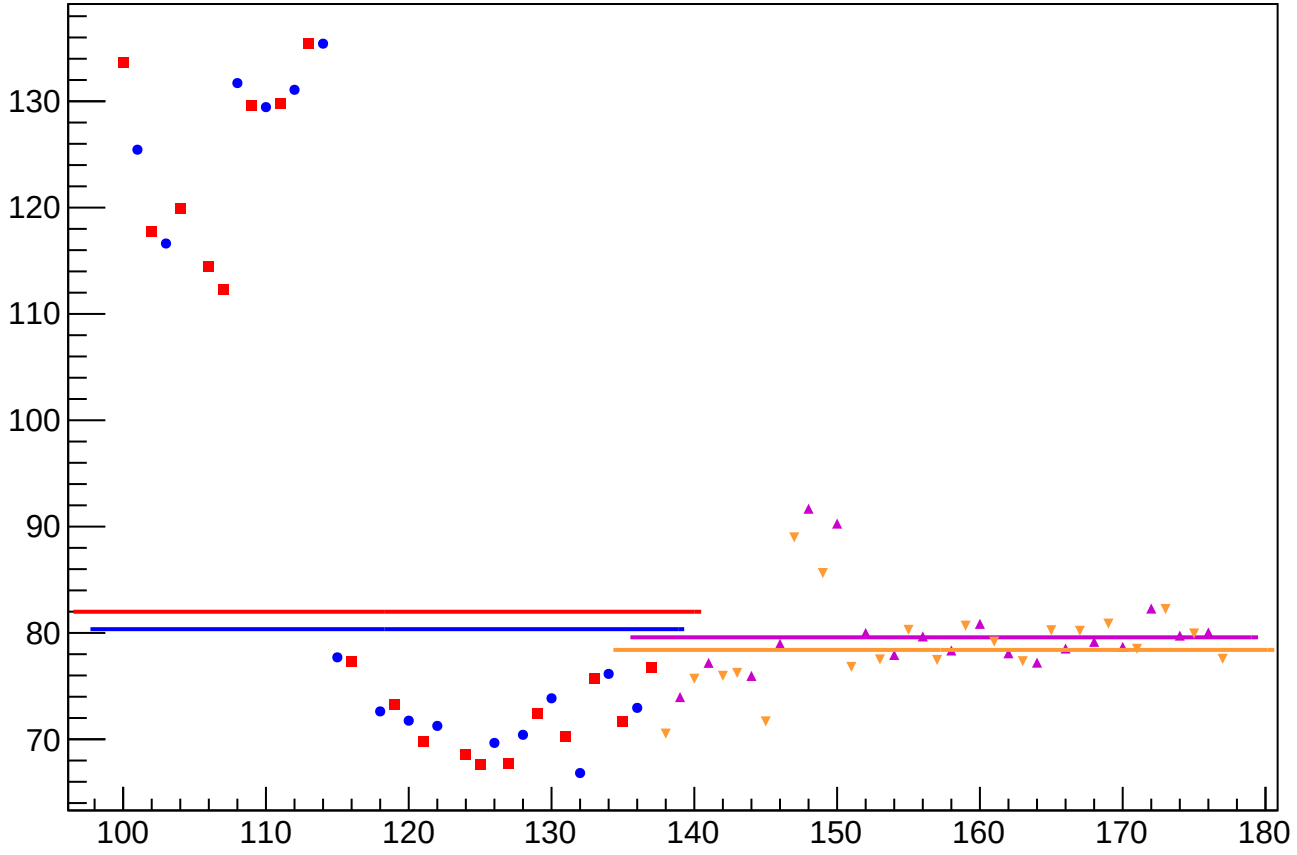
Left In: 149.297+/-20.228 χ^2/NDF:15.3/18

+ sign -112.361+/-16.310 χ^2/NDF: 76.1/36

All: -10.748+/-11.753 χ^2/NDF: 218.8/74

- sign 99.002+/-16.950 χ^2/NDF: 62.0/37

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.404+/-0.014 χ^2/NDF:84437.0/20

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

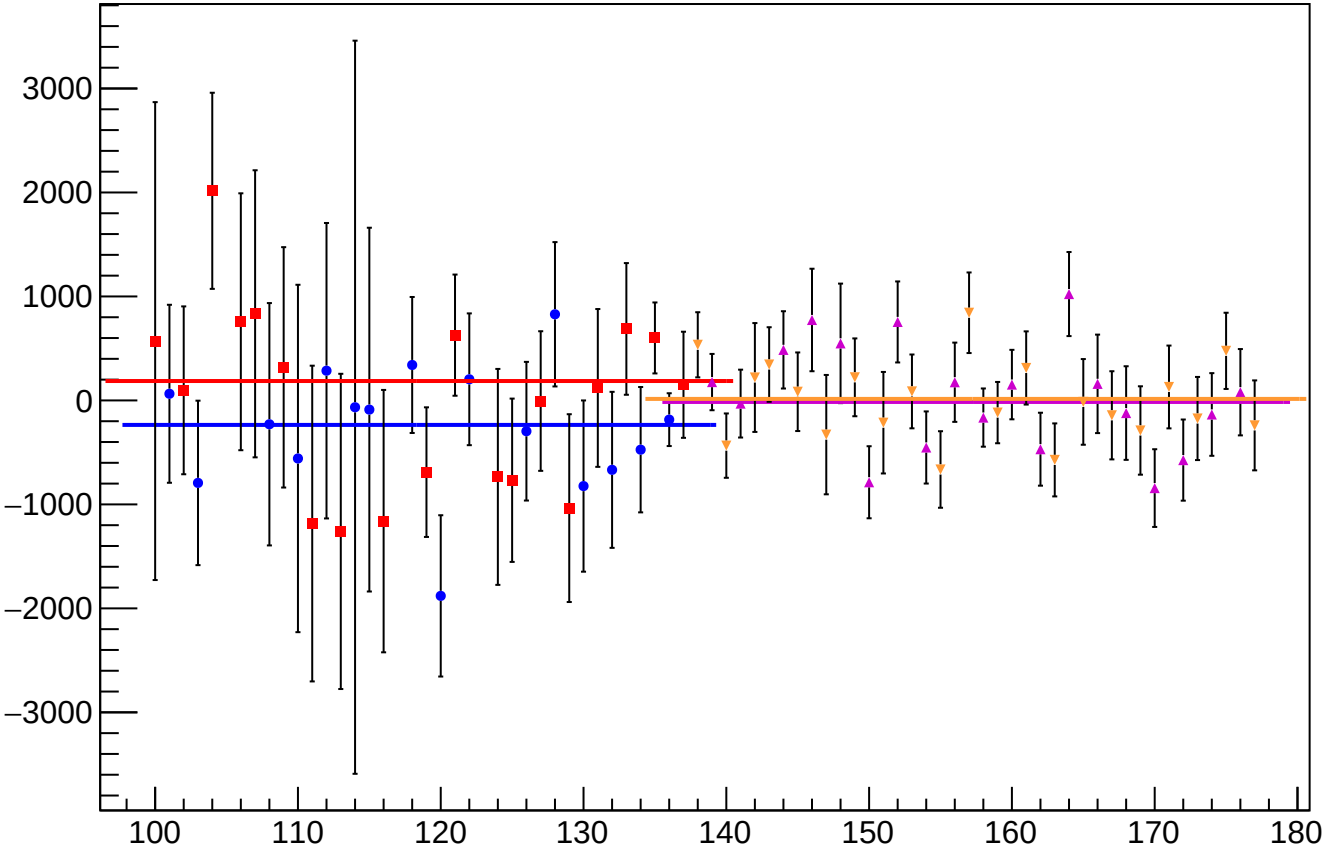
Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

+ sign 78.951+/-0.012 χ^2/NDF: 930247.9/36

All: 79.601+/-0.008 χ^2/NDF: 1953393.5/74

- sign 80.304+/-0.012 χ^2/NDF: 1016534.8/37

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 14.572+/-82.918 χ^2/NDF:21.4/20

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

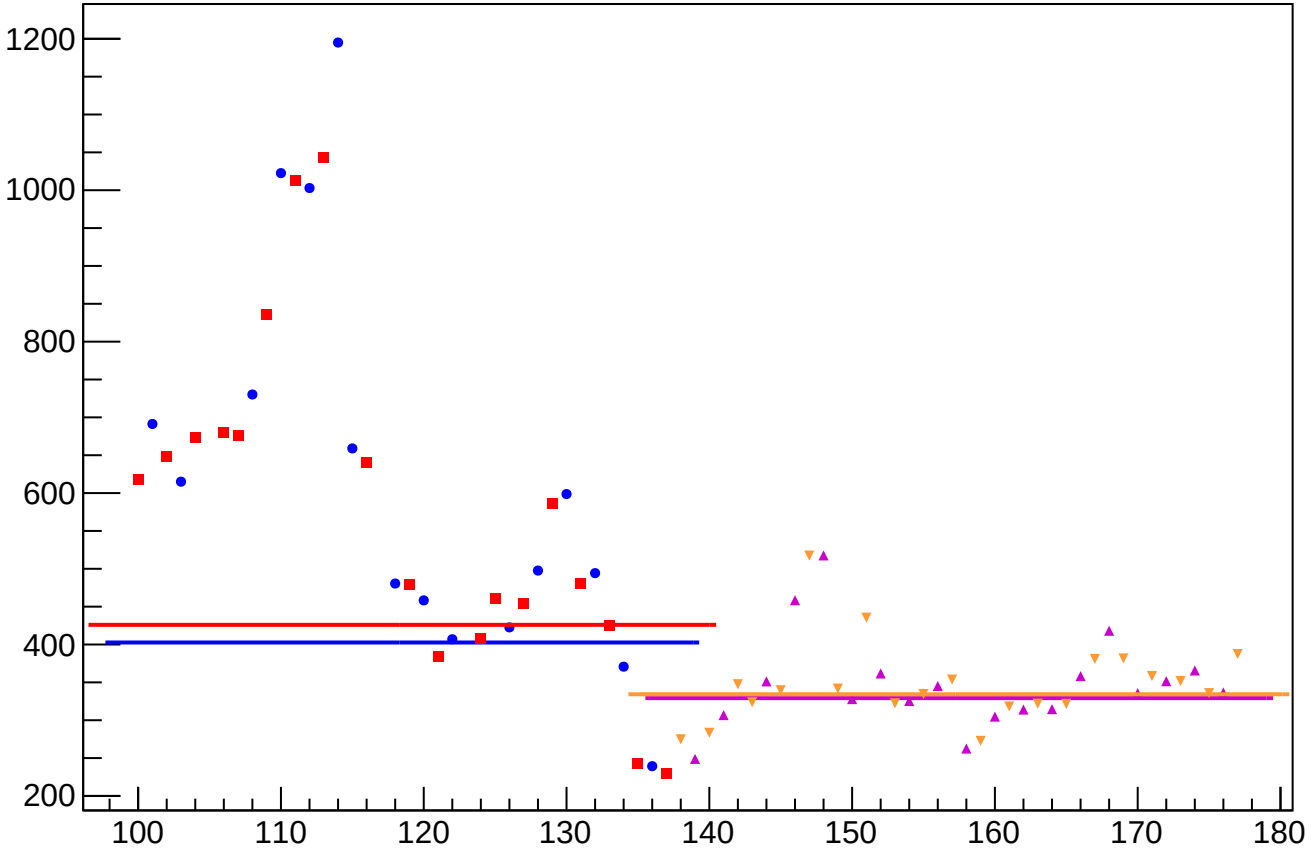
Left In: -14.713+/-84.898 χ^2/NDF:32.7/18

+ sign -36.460+/-73.976 χ^2/NDF: 33.2/36

All: -6.396+/-53.006 χ^2/NDF: 83.3/74

- sign 25.327+/-75.989 χ^2/NDF: 49.7/37

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 334.270+/-0.059 χ^2/NDF:613369.8/20

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

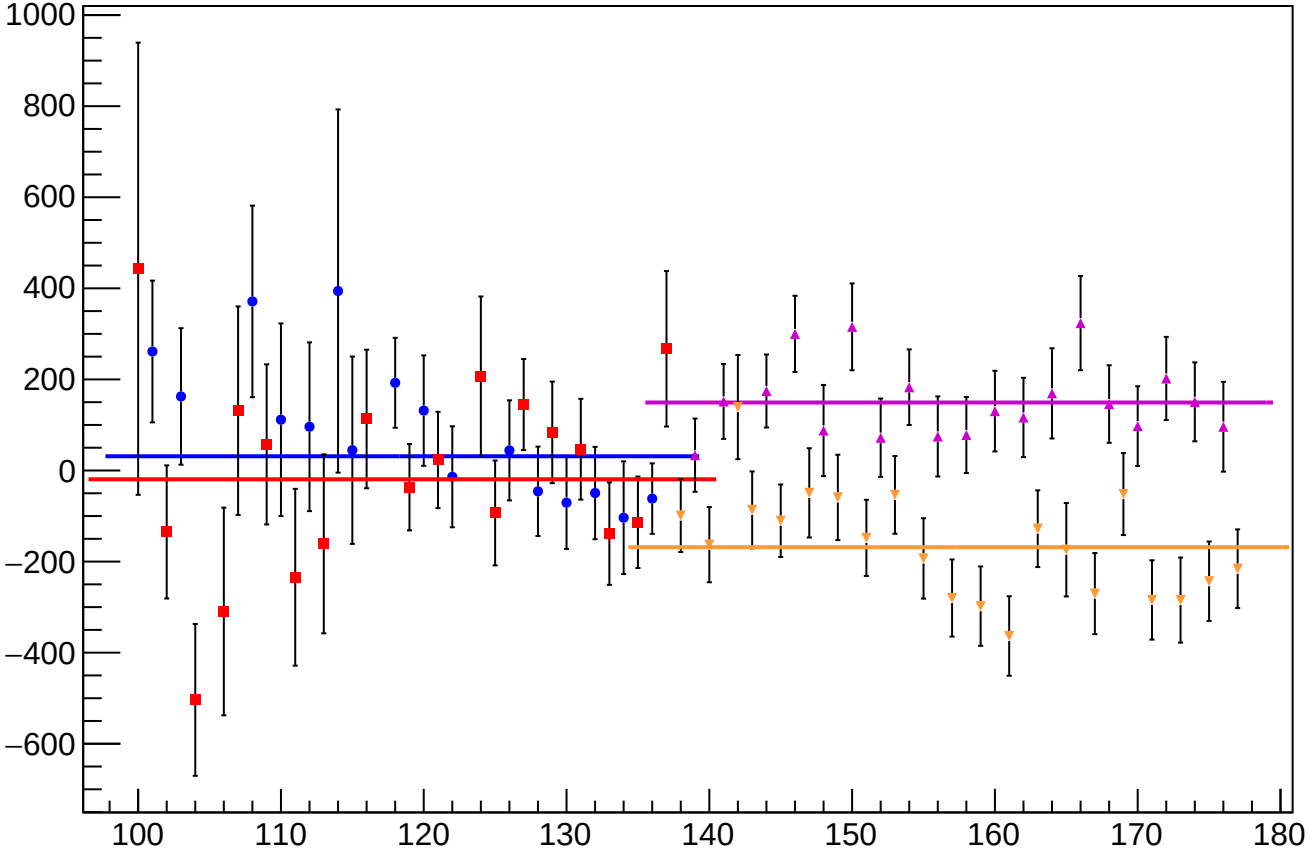
Left In: 329.193+/-0.060 χ^2/NDF:803420.3/18

+ sign 348.224+/-0.052 χ^2/NDF: 3251071.3/36

All: 348.330+/-0.037 χ^2/NDF: 6940246.7/74

- sign 348.442+/-0.054 χ^2/NDF: 3689166.9/37

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.391+/-19.230 χ^2/NDF:30.8/20

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

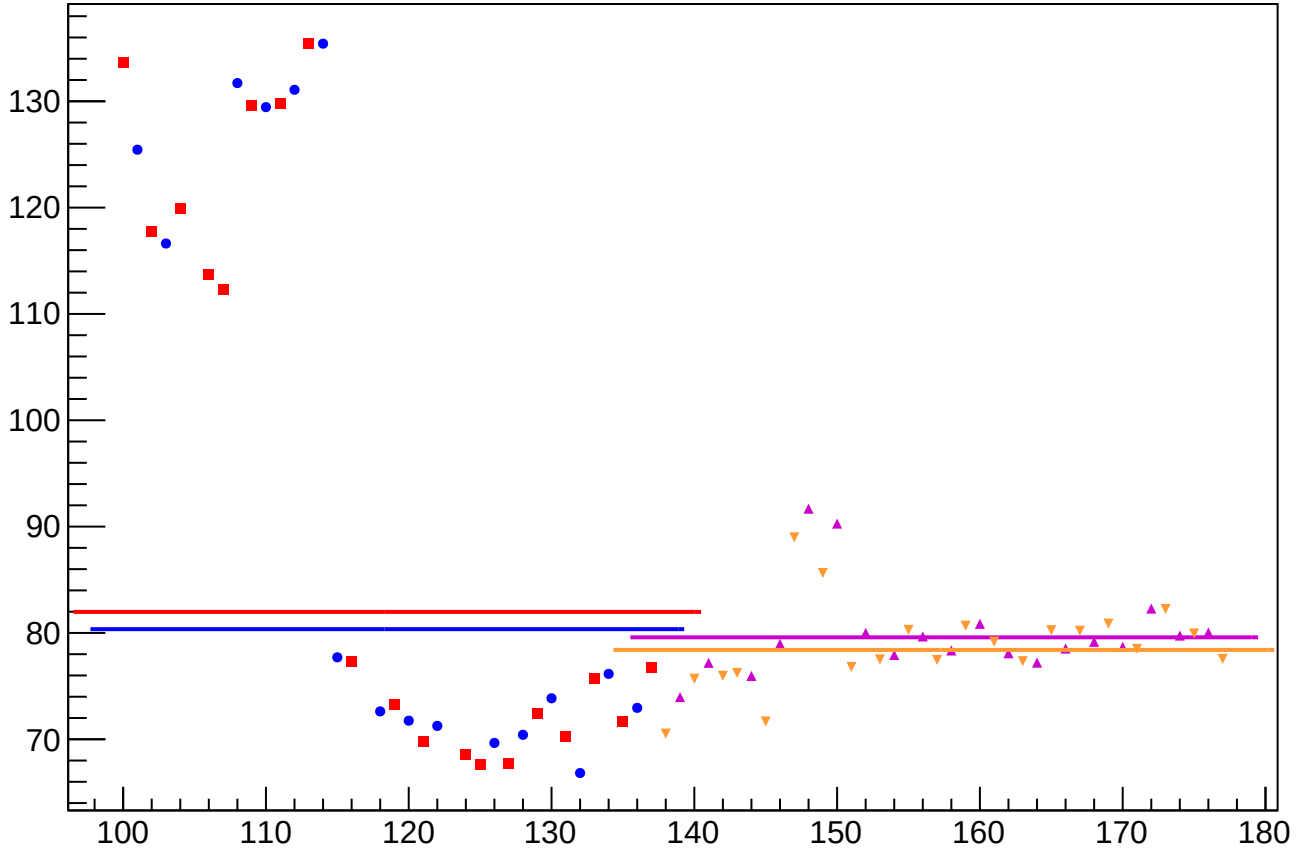
Left In: 149.301+/-20.228 χ^2/NDF:15.3/18

+ sign -112.358+/-16.310 χ^2/NDF: 76.1/36

All: -10.702+/-11.753 χ^2/NDF: 218.6/74

- sign 99.094+/-16.950 χ^2/NDF: 61.7/37

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.404+/-0.014 χ^2/NDF:84437.1/20

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

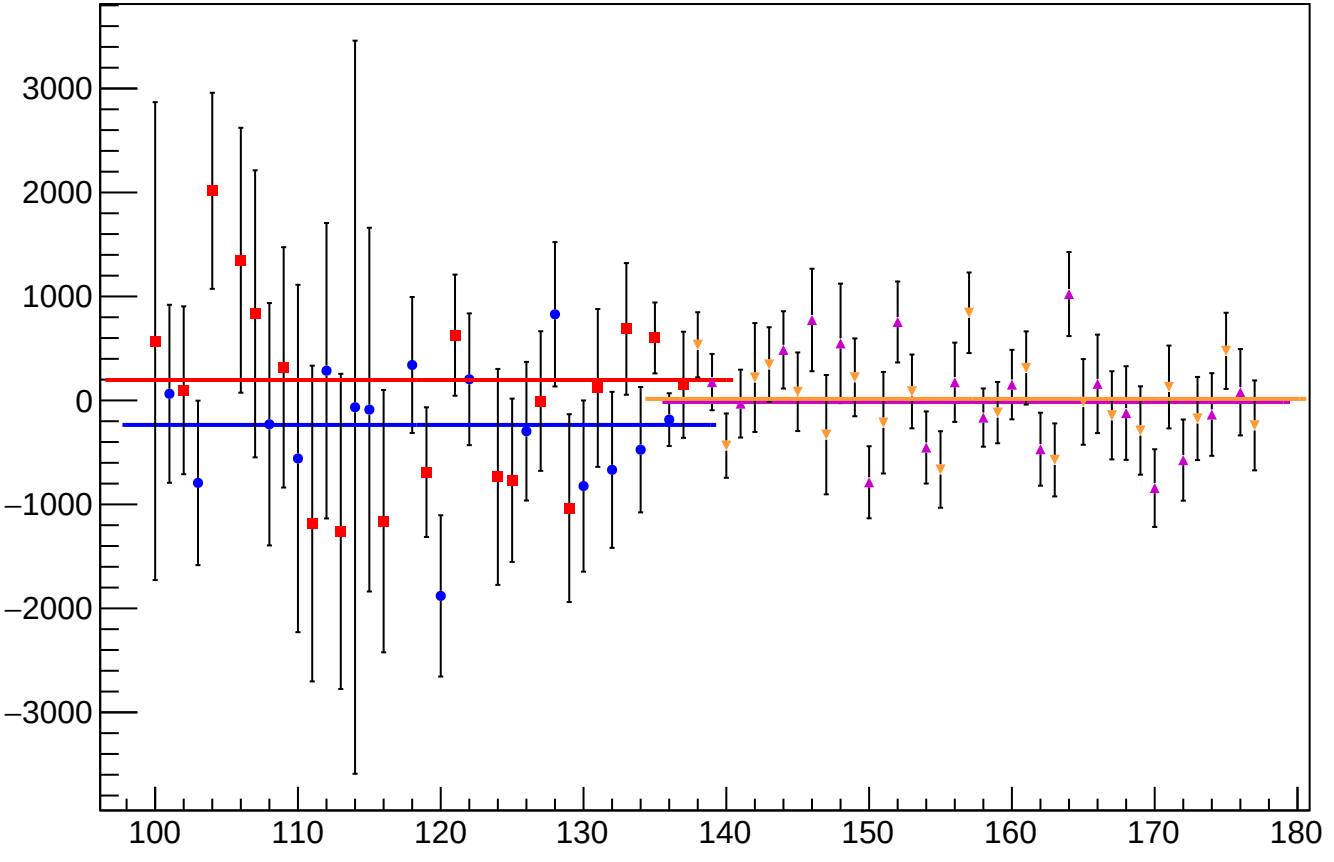
Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

+ sign 78.951+/-0.012 χ^2/NDF: 930248.1/36

All: 79.599+/-0.008 χ^2/NDF: 1951373.0/74

- sign 80.299+/-0.012 χ^2/NDF: 1014558.3/37

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 14.570+/-82.918 χ^2/NDF:21.4/20

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

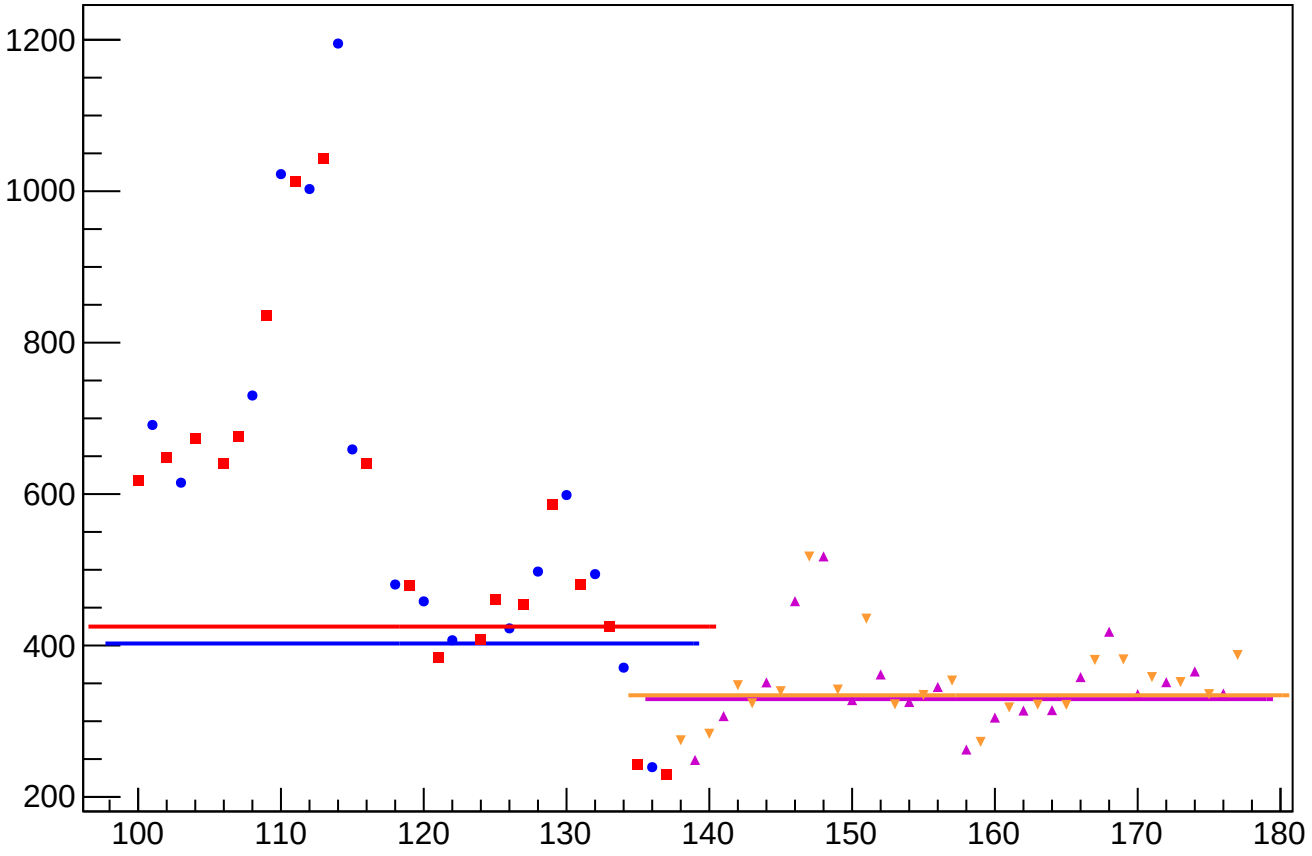
Left In: -14.708+/-84.898 χ^2/NDF:32.7/18

+ sign -36.461+/-73.976 χ^2/NDF: 33.2/36

All: -5.452+/-53.009 χ^2/NDF: 84.0/74

- sign 27.274+/-75.997 χ^2/NDF: 50.5/37

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.270+/-0.059 χ^2/NDF:613378.3/20

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

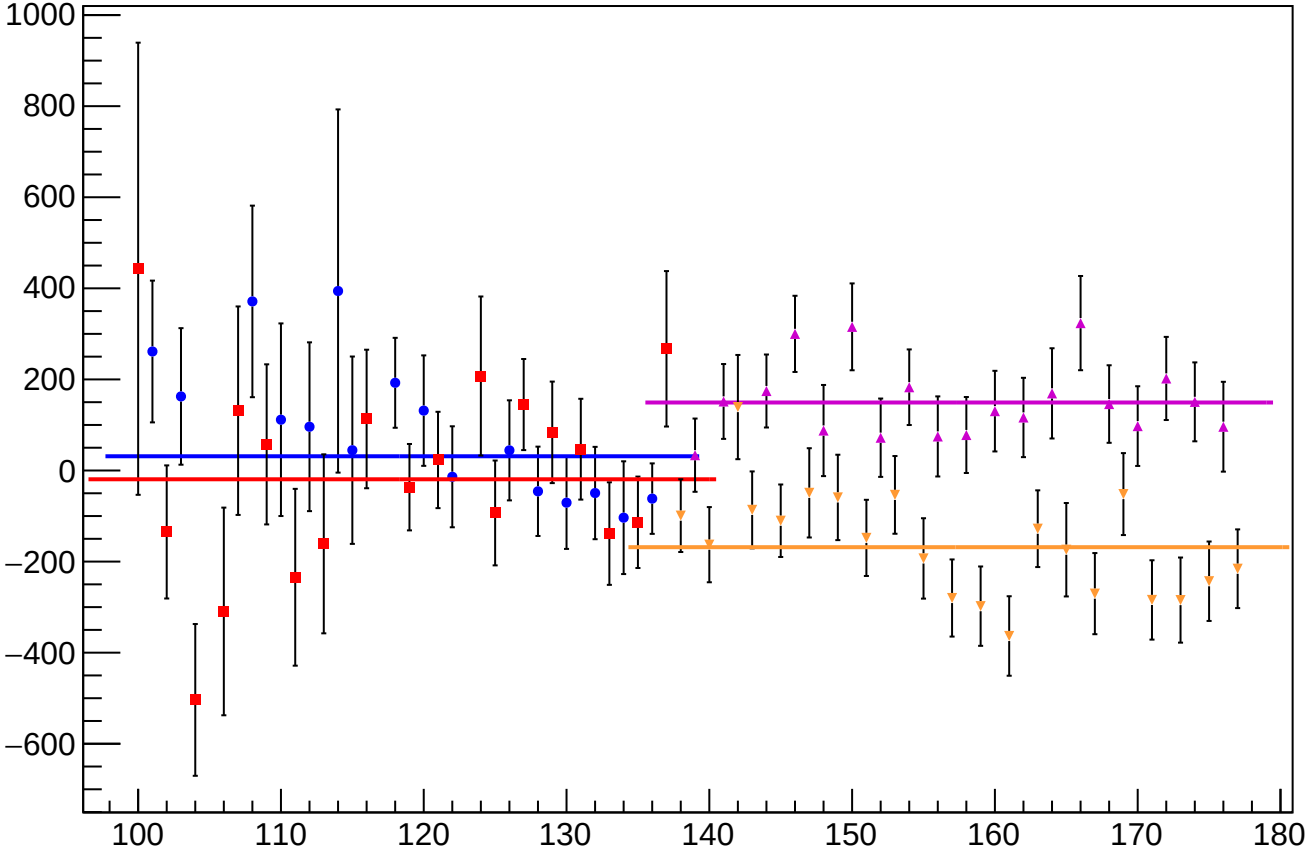
Left In: 329.193+/-0.060 χ^2/NDF:803419.8/18

+ sign 348.224+/-0.052 χ^2/NDF: 3251077.7/36

All: 348.226+/-0.037 χ^2/NDF: 6901470.1/74

- sign 348.227+/-0.054 χ^2/NDF: 3650392.4/37

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.391+/-19.230 χ^2/NDF:30.8/20

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

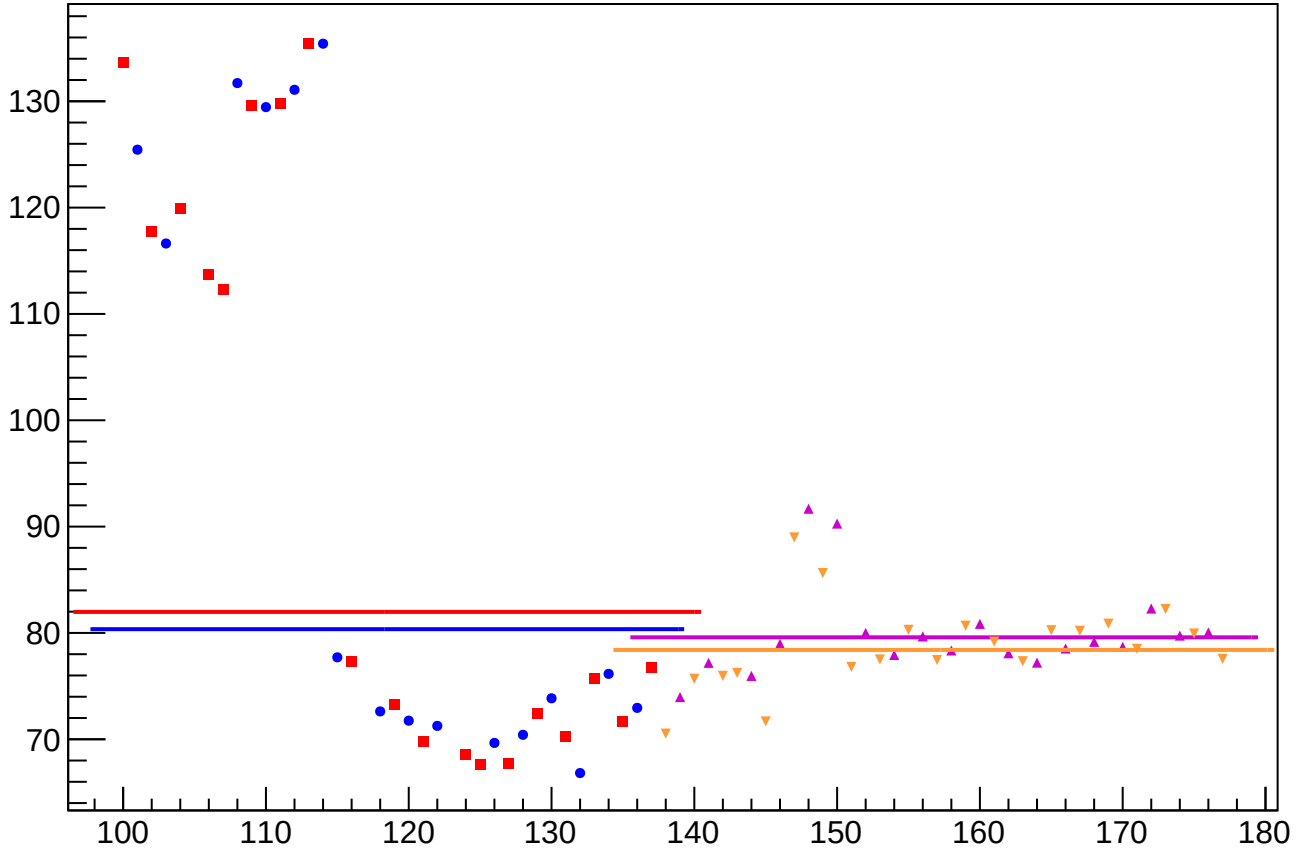
Left In: 149.301+/-20.228 χ^2/NDF:15.3/18

+ sign -112.358+/-16.310 χ^2/NDF: 76.1/36

All: -10.702+/-11.753 χ^2/NDF: 218.6/74

- sign 99.094+/-16.950 χ^2/NDF: 61.7/37

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.404+/-0.014 χ^2/NDF:84437.1/20

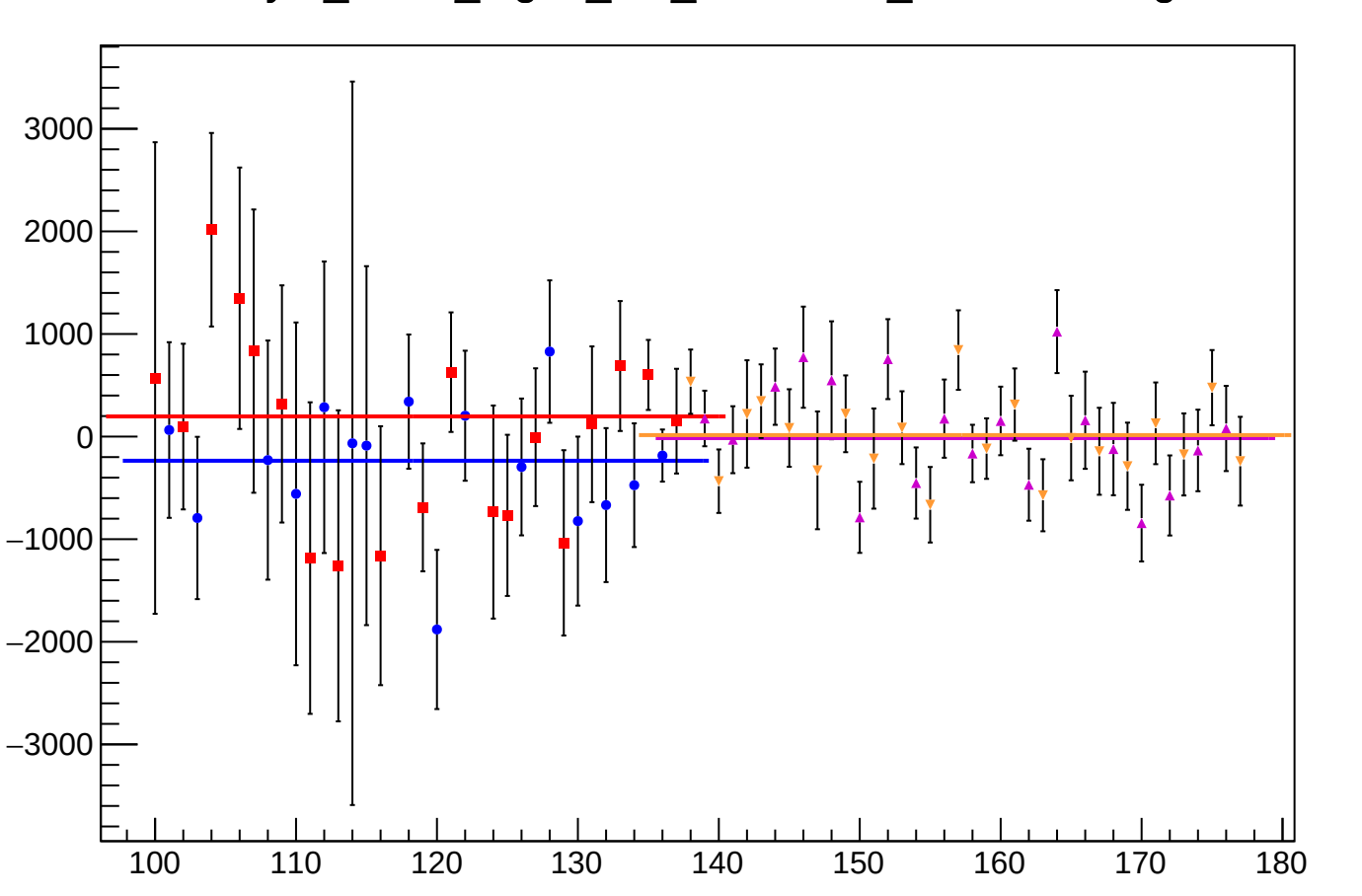
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

+ sign 78.951+/-0.012 χ^2/NDF: 930248.1/36

All: 79.599+/-0.008 χ^2/NDF: 1951373.0/74

- sign 80.299+/-0.012 χ^2/NDF: 1014558.3/37



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 14.570+/-82.918 χ^2/NDF:21.4/20

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

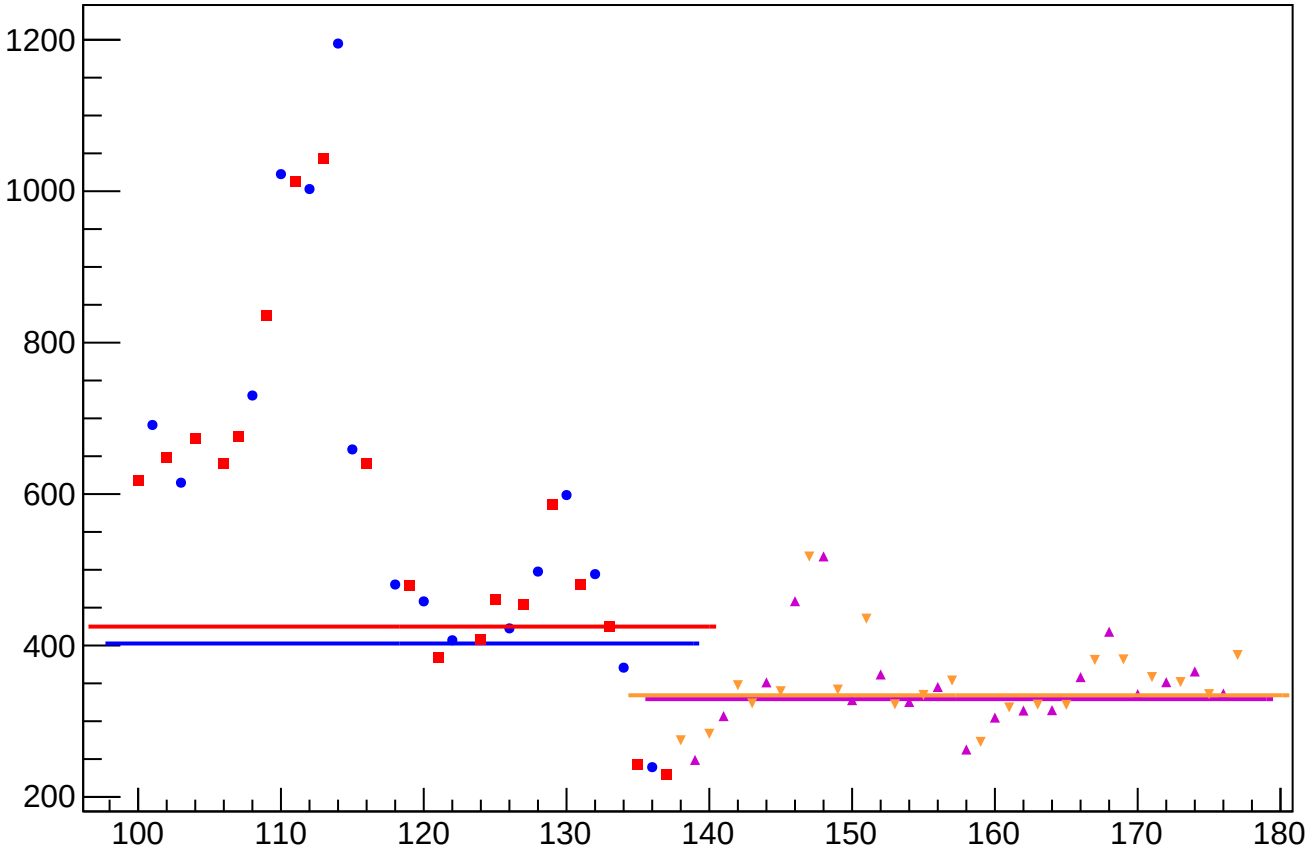
Left In: -14.708+/-84.898 χ^2/NDF:32.7/18

+ sign -36.461+/-73.976 χ^2/NDF: 33.2/36

All: -5.452+/-53.009 χ^2/NDF: 84.0/74

- sign 27.274+/-75.997 χ^2/NDF: 50.5/37

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.270+/-0.059 χ^2/NDF:613378.3/20

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

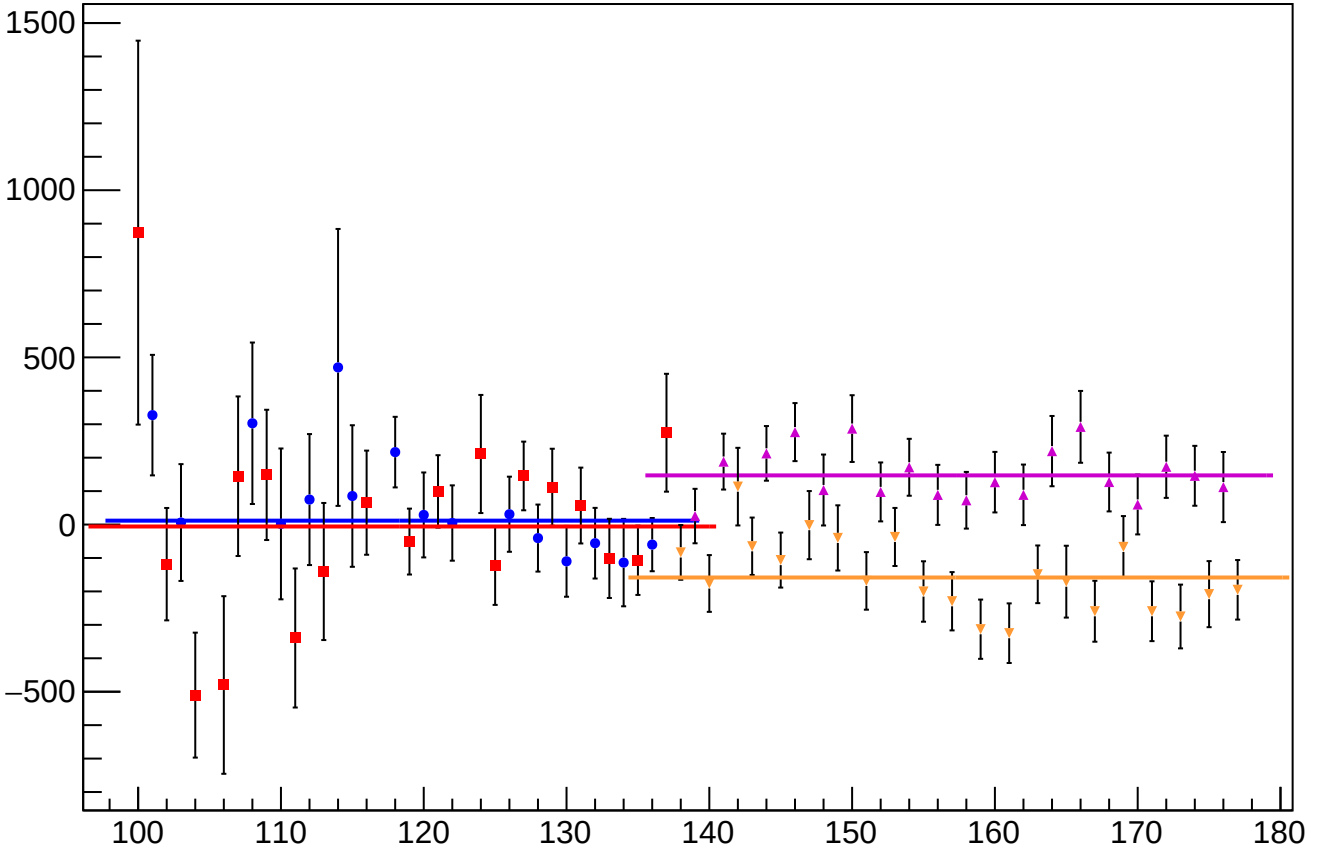
Left In: 329.193+/-0.060 χ^2/NDF:803419.8/18

+ sign 348.224+/-0.052 χ^2/NDF: 3251077.7/36

All: 348.226+/-0.037 χ^2/NDF: 6901470.1/74

- sign 348.227+/-0.054 χ^2/NDF: 3650392.4/37

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -158.378+/-19.826 χ^2/NDF:26.6/20

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

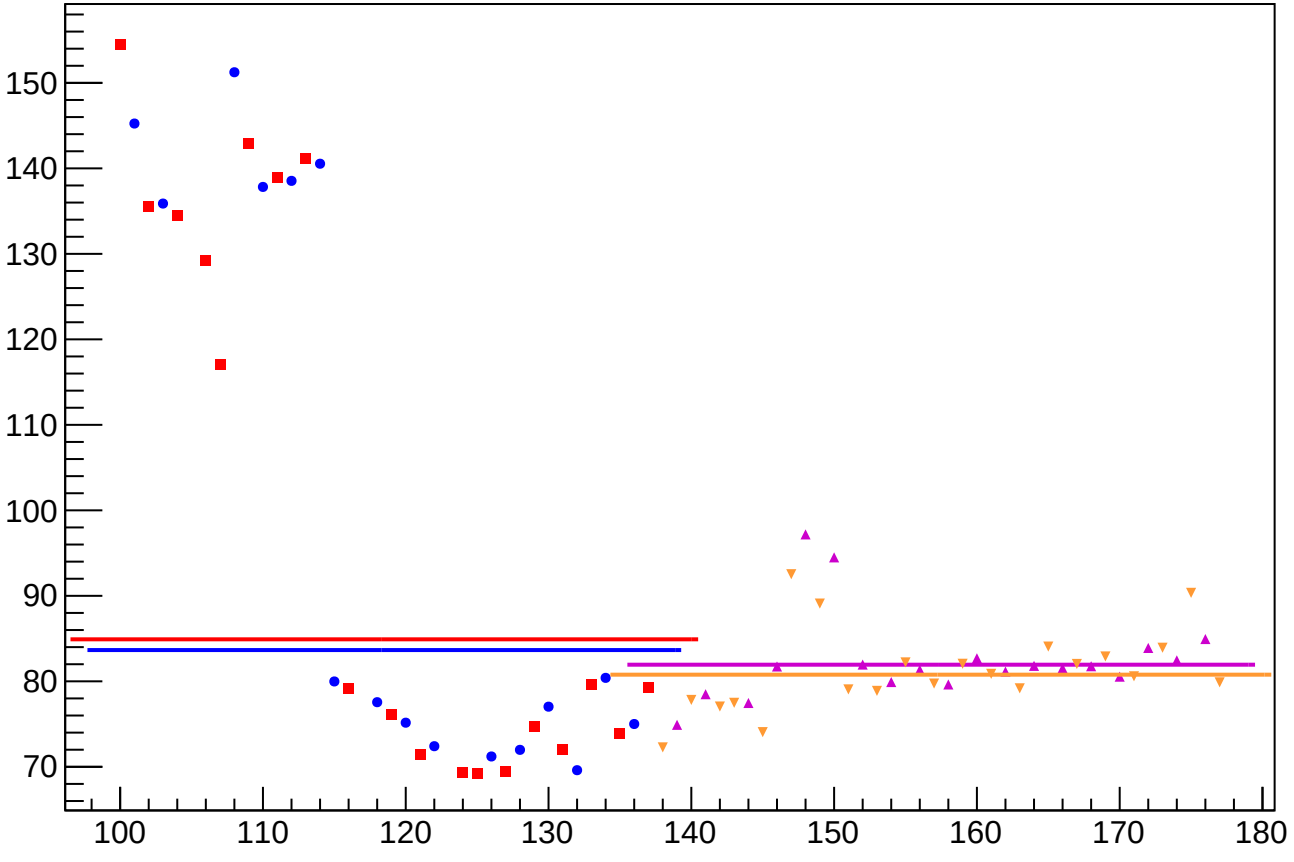
Left In: 147.039+/-20.844 χ^2/NDF:13.0/18

+ sign -111.843+/-16.896 χ^2/NDF: 60.2/36

All: -8.714+/-12.168 χ^2/NDF: 195.1/74

- sign 102.380+/-17.537 χ^2/NDF: 57.5/37

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.778+/-0.014 χ^2/NDF:111605.7/20

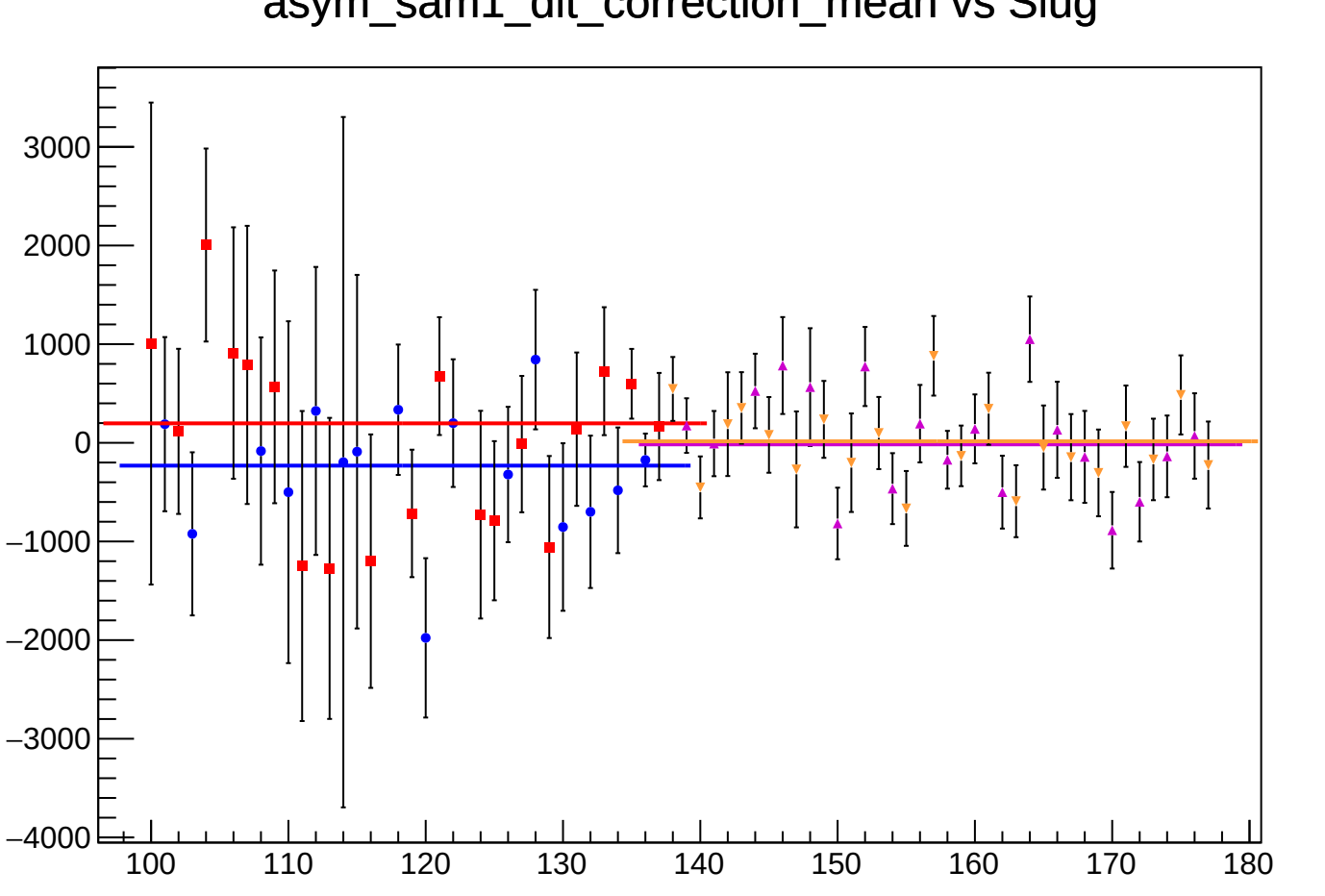
Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.944+/-0.015 χ^2/NDF:103379.3/18

+ sign 81.566+/-0.012 χ^2/NDF: 1157943.0/36

All: 82.166+/-0.009 χ^2/NDF: 2400077.7/74

- sign 82.812+/-0.012 χ^2/NDF: 1236901.2/37



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 14.977+/-85.631 χ^2/NDF:21.1/20

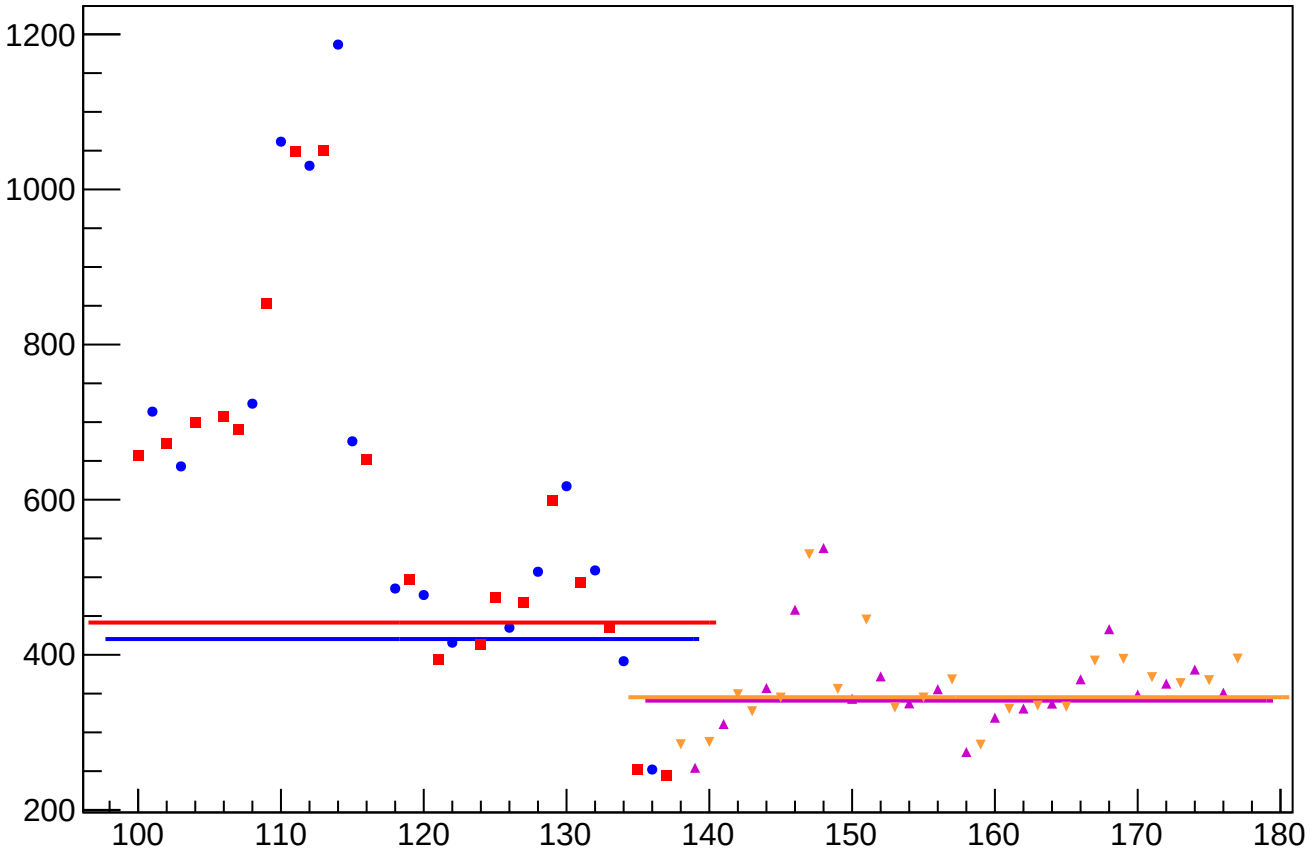
Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -15.674+/-87.867 χ^2/NDF:32.4/18

\+ sign -34.824+/-76.489 χ^2/NDF: 33.1/36

All: -4.877+/-54.825 χ^2/NDF: 82.9/74

\- sign 26.764+/-78.623 χ^2/NDF: 49.5/37



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 345.304+/-0.061 χ^2/NDF:608217.9/20

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

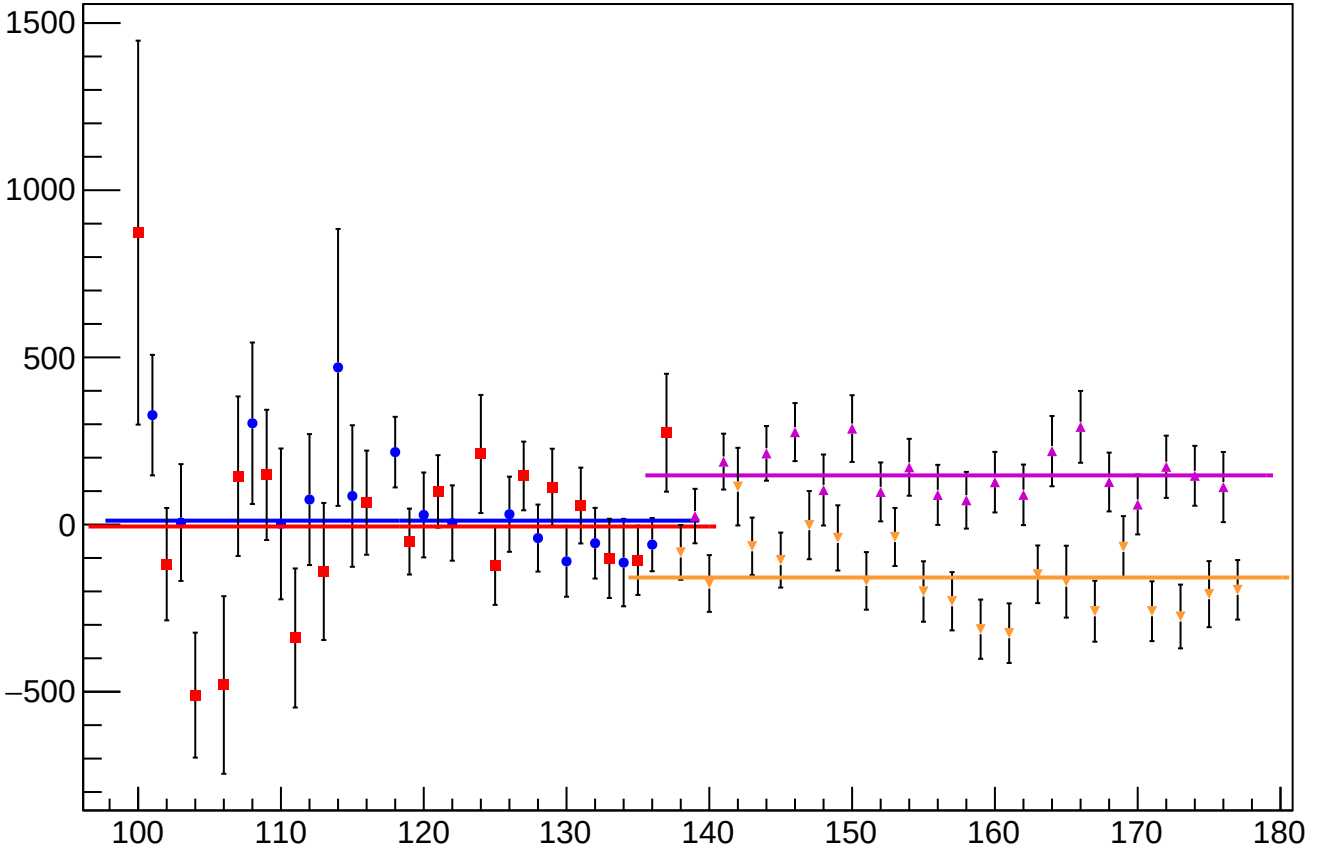
Left In: 340.903+/-0.062 χ^2/NDF:785626.1/18

+ sign 360.469+/-0.054 χ^2/NDF: 3173142.7/36

All: 360.716+/-0.039 χ^2/NDF: 6790013.0/74

- sign 360.977+/-0.056 χ^2/NDF: 3616827.4/37

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -158.378+/-19.826 χ^2/NDF:26.6/20

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

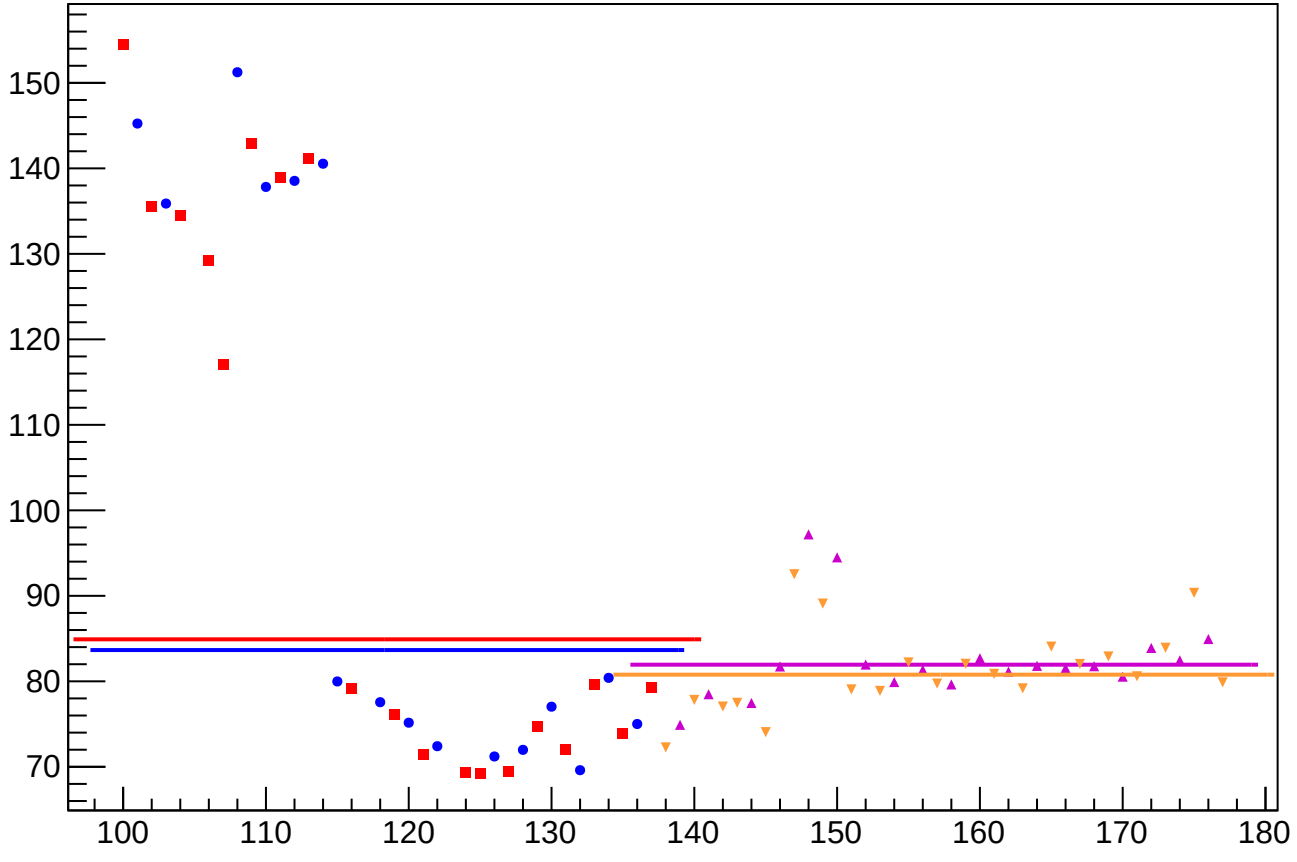
Left In: 147.040+/-20.844 χ^2/NDF:13.0/18

+ sign -111.843+/-16.896 χ^2/NDF: 60.2/36

All: -8.713+/-12.168 χ^2/NDF: 195.1/74

- sign 102.380+/-17.537 χ^2/NDF: 57.5/37

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.778+/-0.014 χ^2/NDF:111605.1/20

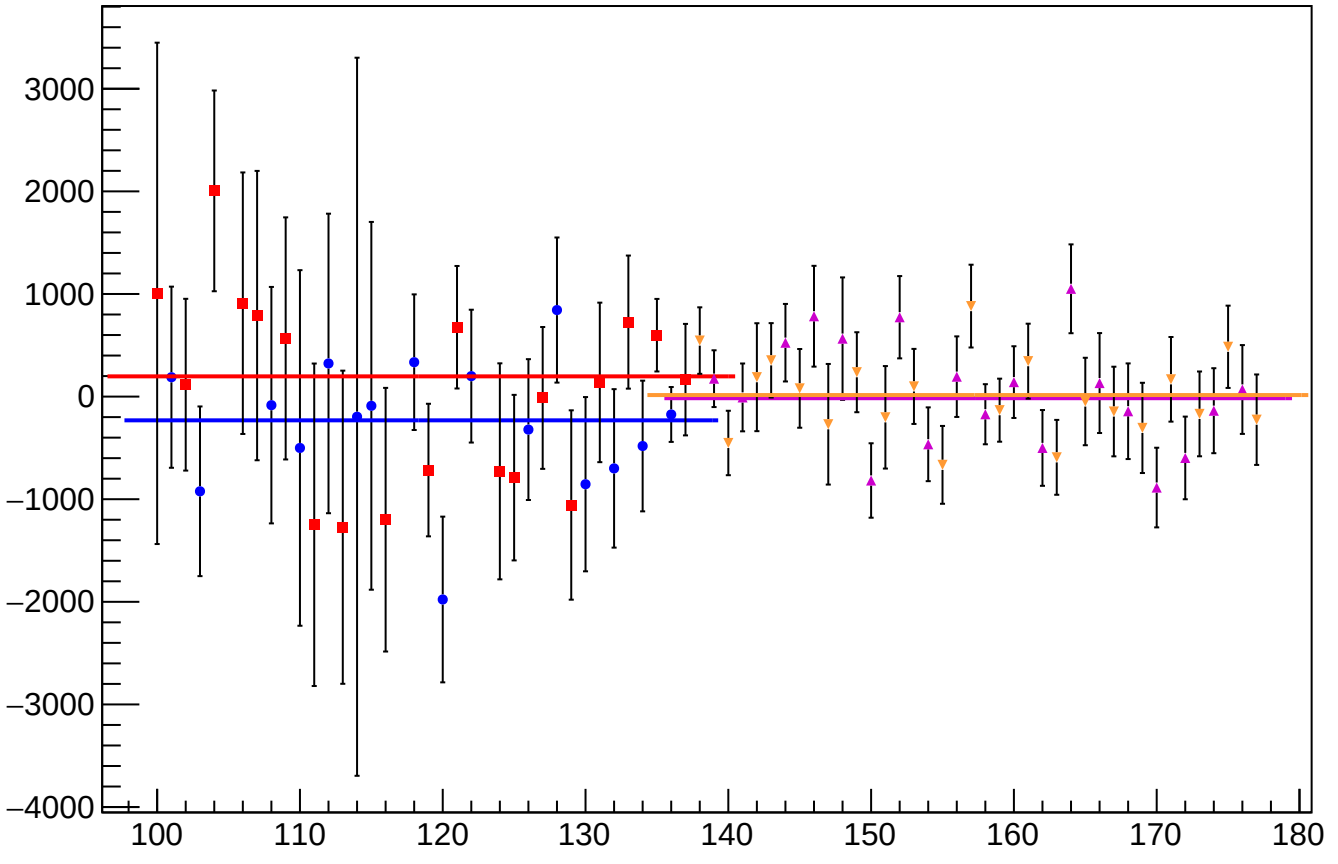
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.944+/-0.015 χ^2/NDF:103378.4/18

+ sign 81.566+/-0.012 χ^2/NDF: 1157941.5/36

All: 82.166+/-0.009 χ^2/NDF: 2400073.8/74

- sign 82.812+/-0.012 χ^2/NDF: 1236898.9/37



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 14.977+/-85.631 χ^2/NDF:21.1/20

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

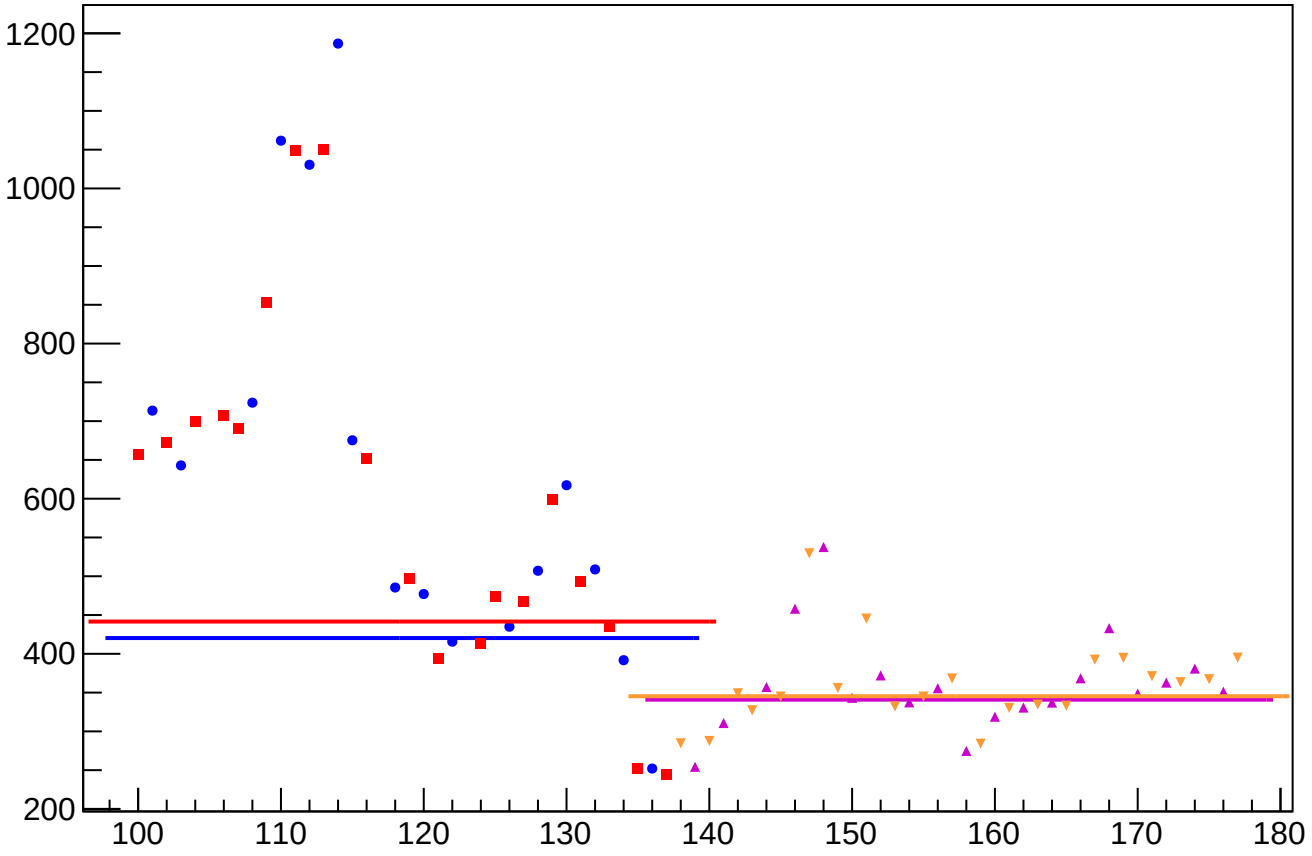
Left In: -15.674+/-87.867 χ^2/NDF:32.4/18

+ sign -34.824+/-76.489 χ^2/NDF: 33.1/36

All: -4.877+/-54.825 χ^2/NDF: 82.9/74

- sign 26.764+/-78.622 χ^2/NDF: 49.5/37

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 345.304+/-0.061 χ^2/NDF:608219.1/20

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

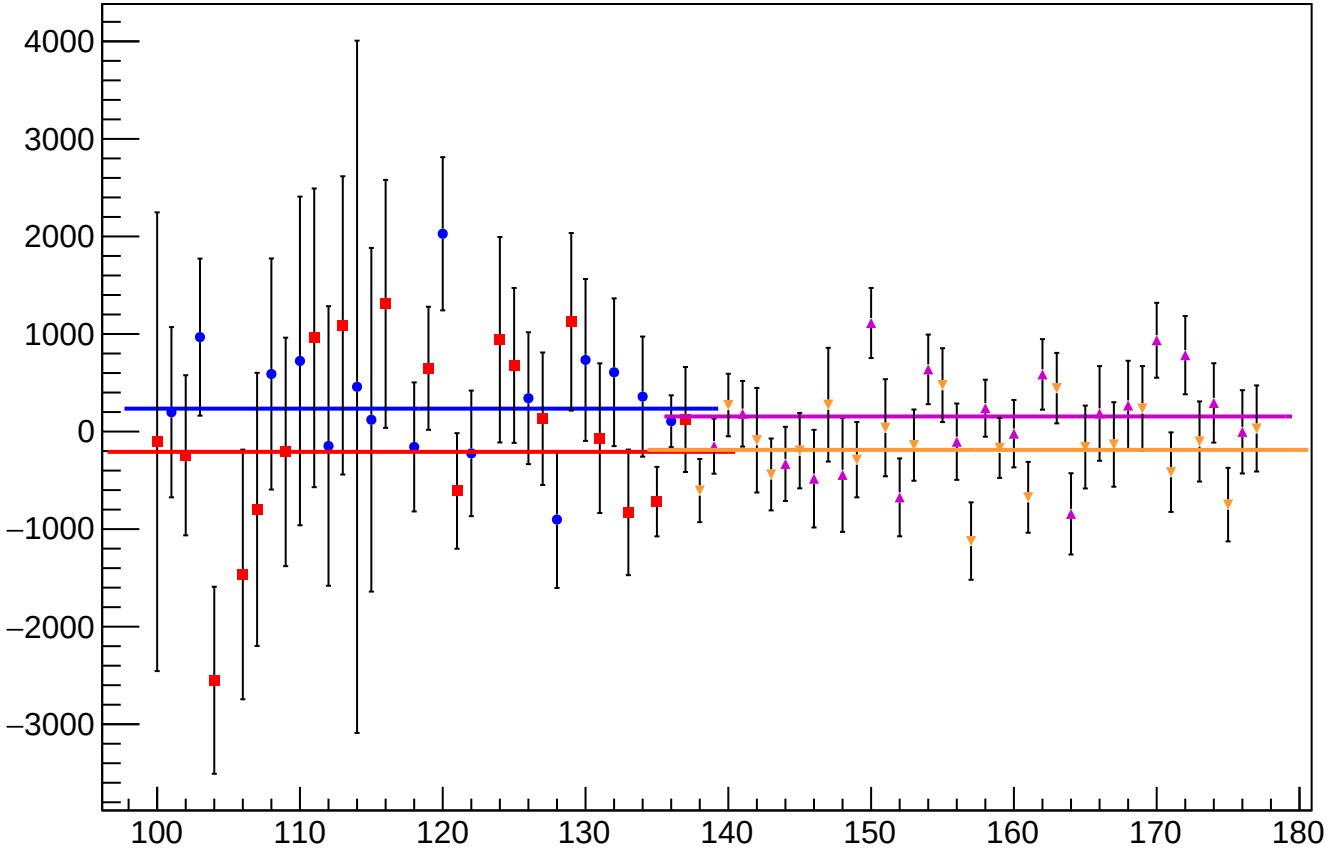
Left In: 340.903+/-0.062 χ^2/NDF:785628.7/18

+ sign 360.468+/-0.054 χ^2/NDF: 3173144.8/36

All: 360.715+/-0.039 χ^2/NDF: 6790018.3/74

- sign 360.976+/-0.056 χ^2/NDF: 3616830.6/37

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -187.742+/-85.299 χ^2/NDF:22.4/20

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

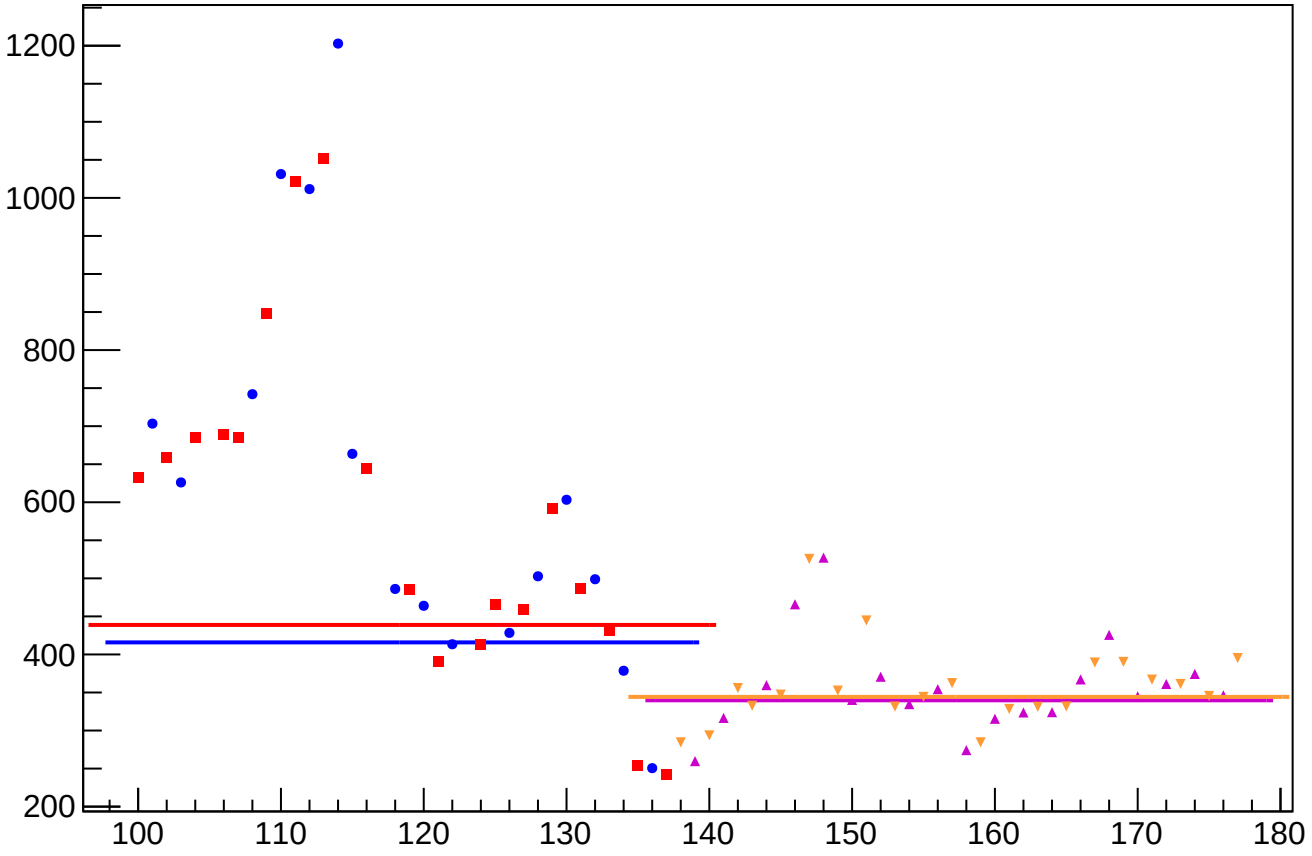
Left In: 154.777+/-87.498 χ^2/NDF:33.6/18

+ sign -101.249+/-76.076 χ^2/NDF: 38.1/36

All: -12.166+/-54.541 χ^2/NDF: 98.4/74

- sign 82.048+/-78.236 χ^2/NDF: 57.4/37

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 344.220+/-0.060 χ^2/NDF:567790.6/20

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

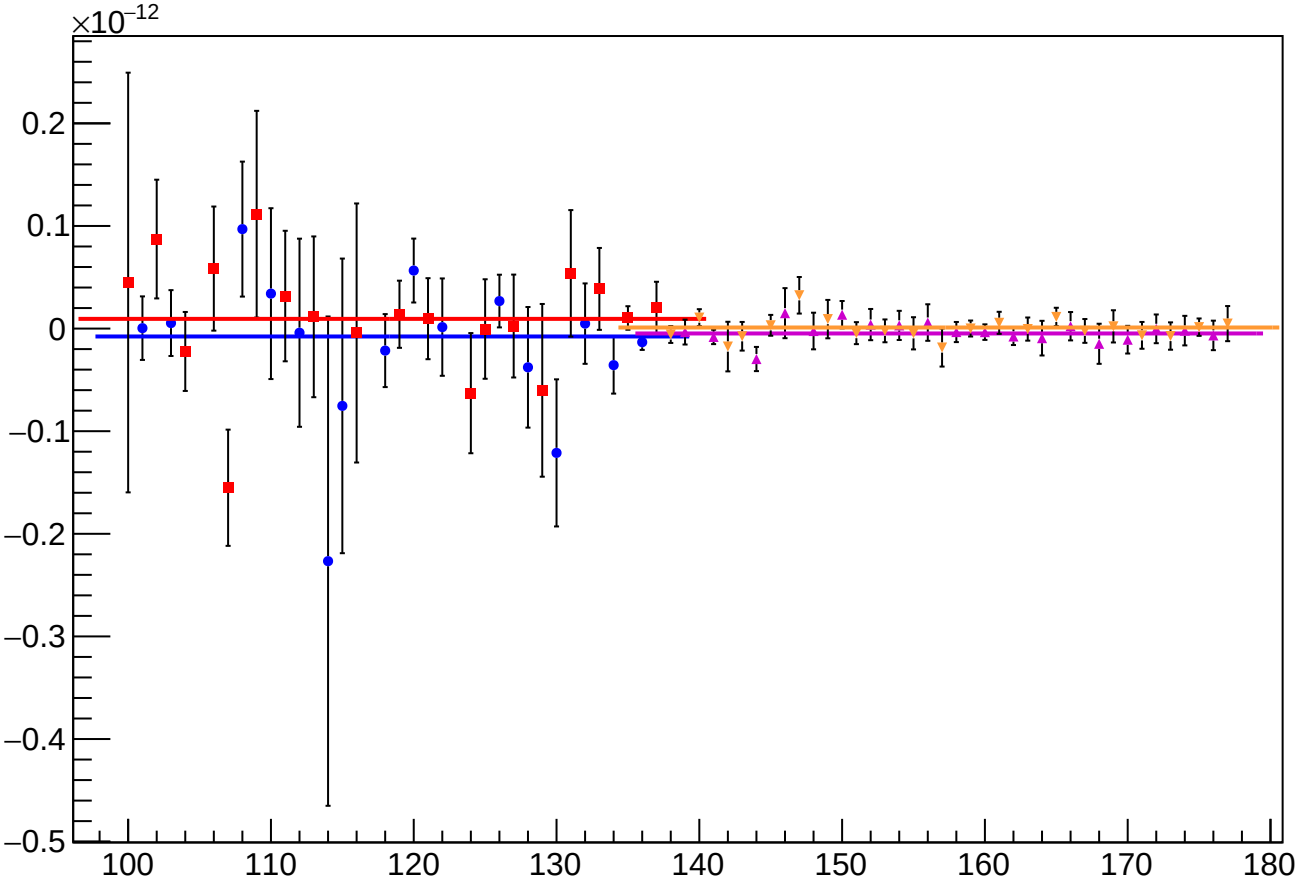
Left In: 339.717+/-0.062 χ^2/NDF:737641.5/18

+ sign 358.871+/-0.054 χ^2/NDF: 3080176.5/36

All: 359.215+/-0.039 χ^2/NDF: 6566652.2/74

- sign 359.579+/-0.055 χ^2/NDF: 3486391.6/37

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:10.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

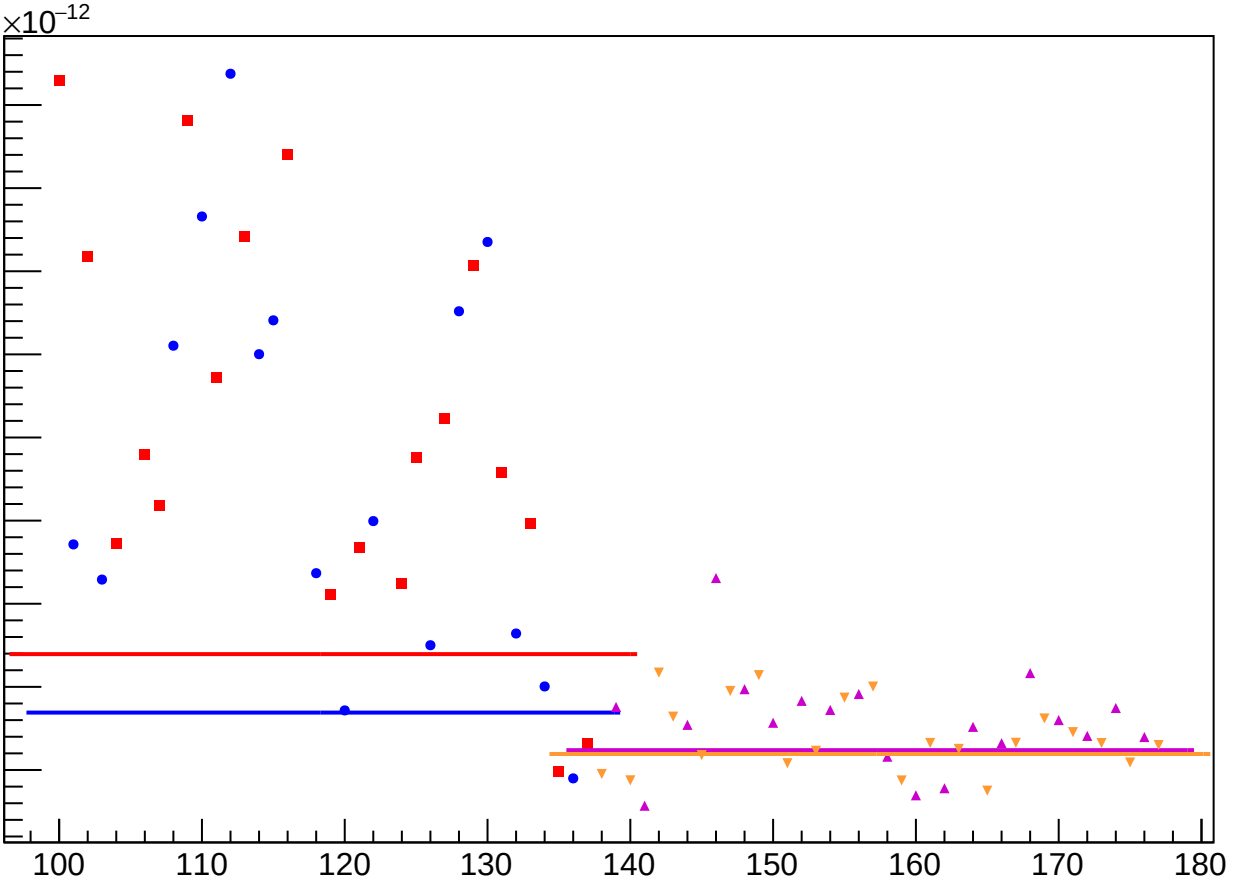
Left In: -0.000+/-0.000 χ^2/NDF:9.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 26.8/36

All: -0.000+/-0.000 χ^2/NDF: 56.1/74

- sign -0.000+/-0.000 χ^2/NDF: 28.4/37

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:956754.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

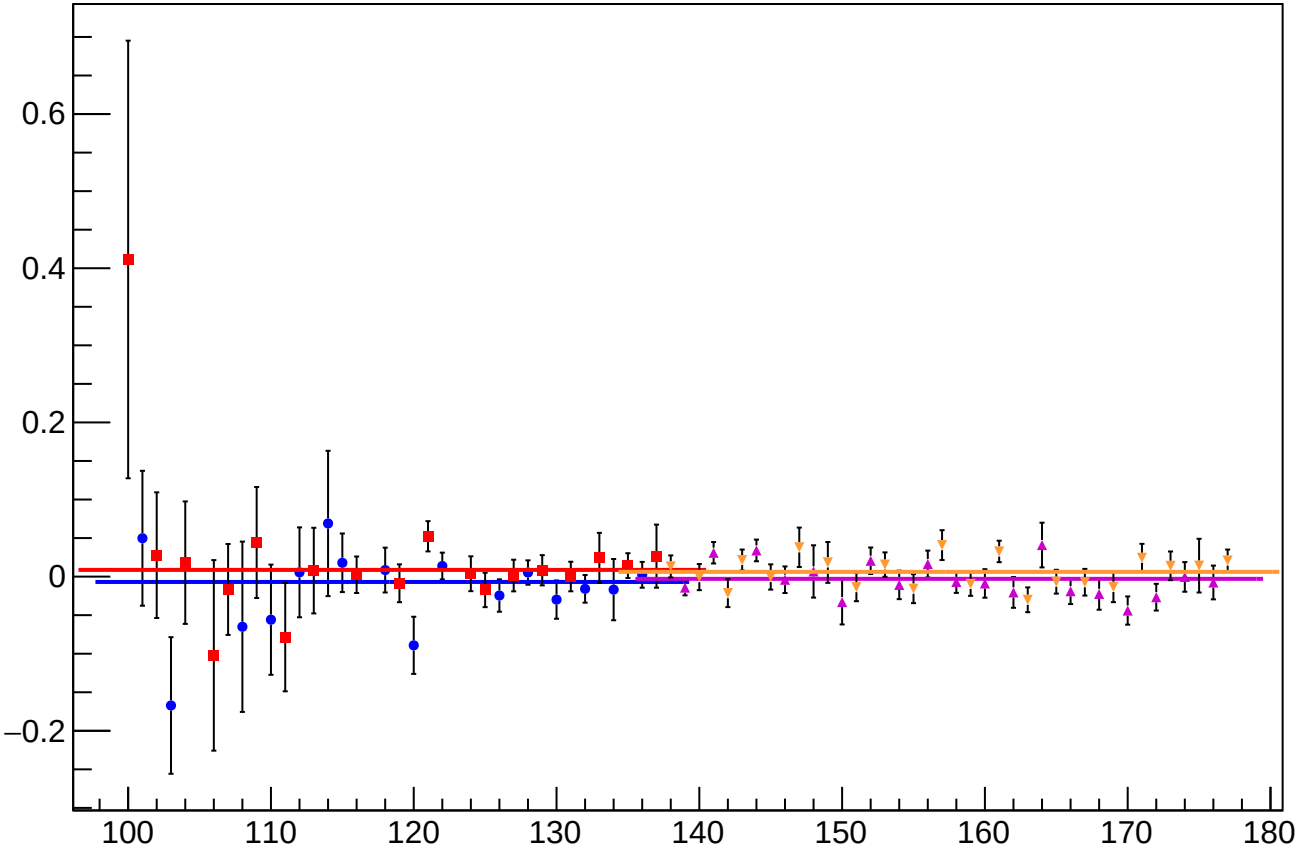
Left In: 0.000+/-0.000 χ^2/NDF:1910547.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 3993875.2/36

All: 0.000+/-0.000 χ^2/NDF: 9602656.2/74

- sign 0.000+/-0.000 χ^2/NDF: 5571453.4/37

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:26.3/20

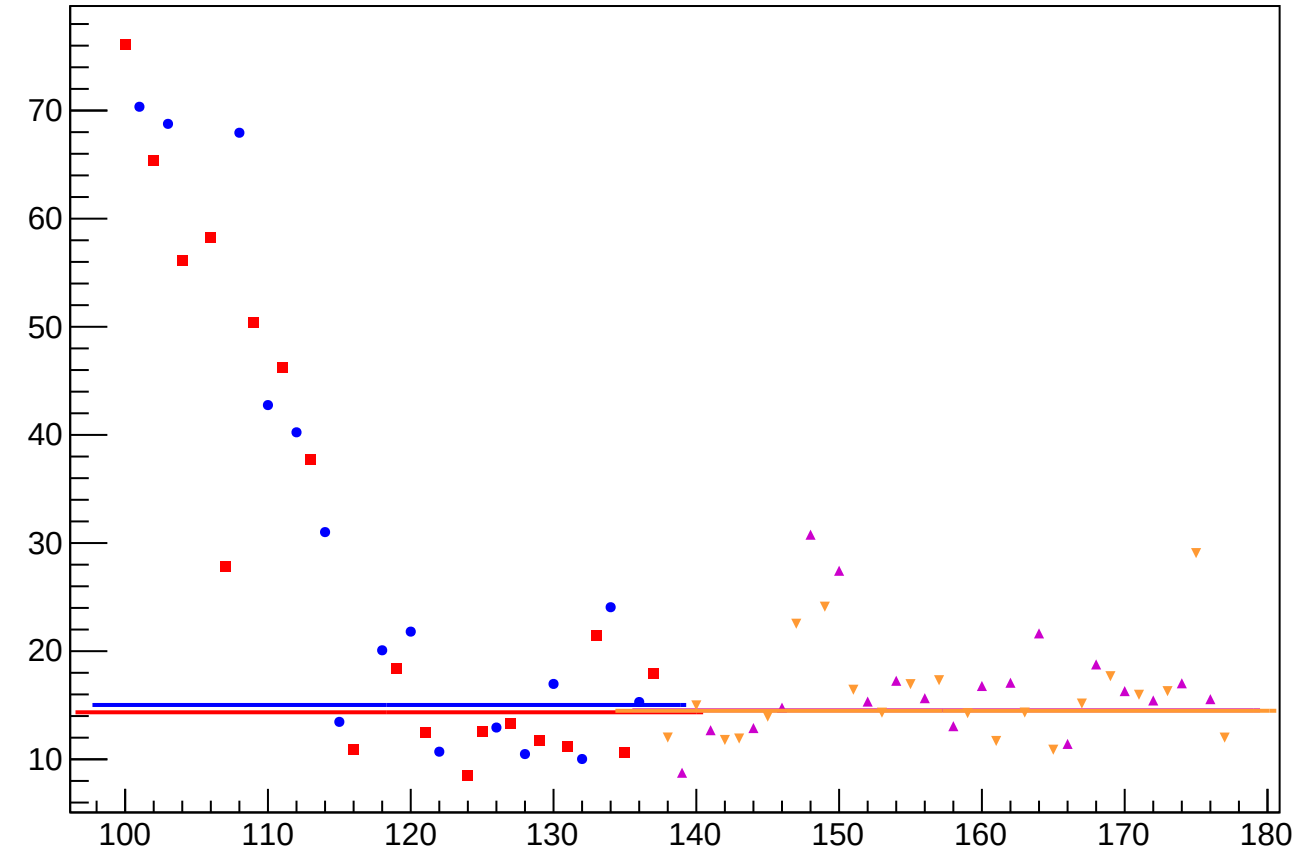
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.004 χ^2/NDF:30.5/18

+ sign 0.003+/-0.003 χ^2/NDF: 44.1/36

All: 0.002+/-0.002 χ^2/NDF: 90.0/74

- sign 0.000+/-0.003 χ^2/NDF: 45.6/37



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.489+/-0.003 χ^2/NDF:1429707.0/20

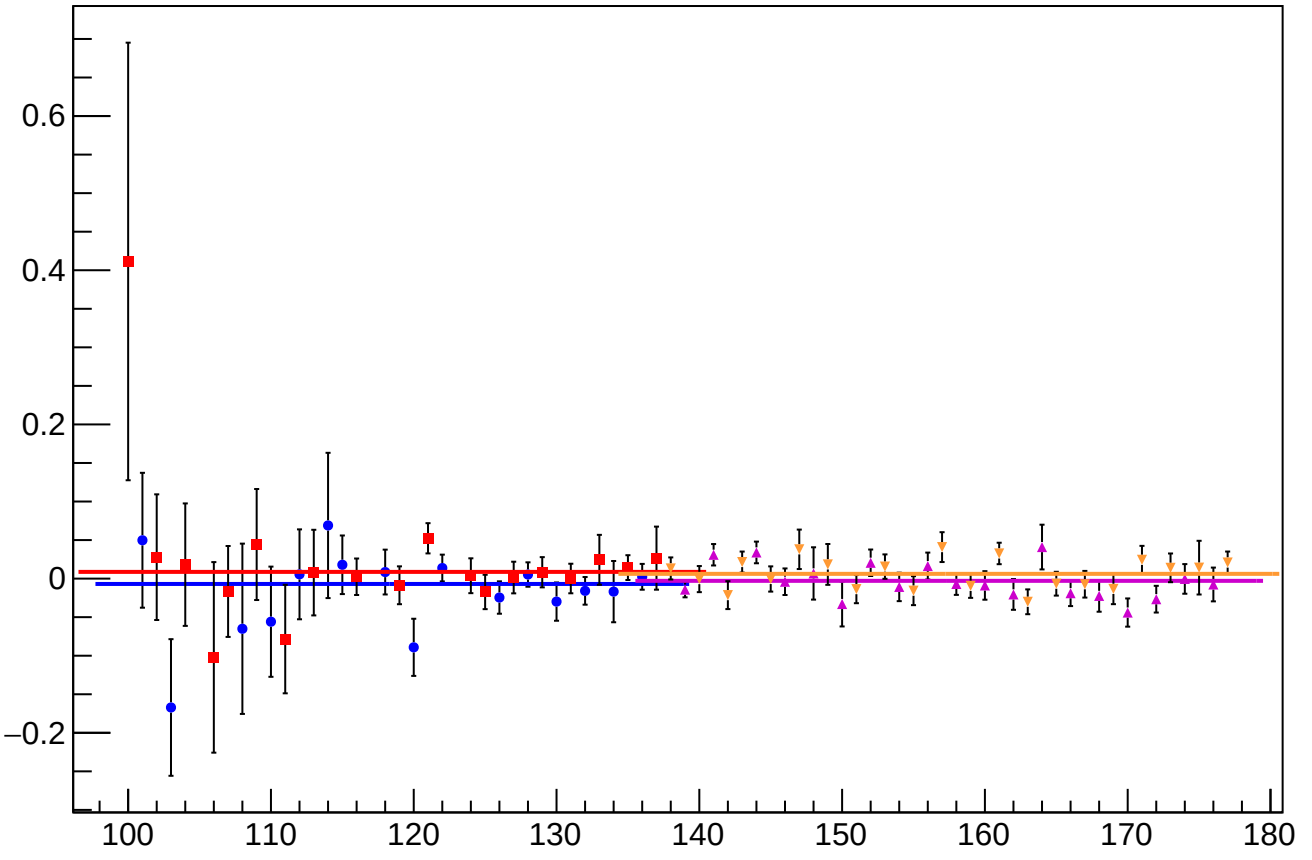
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.529+/-0.003 χ^2/NDF:2052218.4/18

+ sign 14.616+/-0.002 χ^2/NDF: 4877669.5/36

All: 14.549+/-0.002 χ^2/NDF: 10561769.8/74

- sign 14.479+/-0.002 χ^2/NDF: 5682385.9/37



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.3/20

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

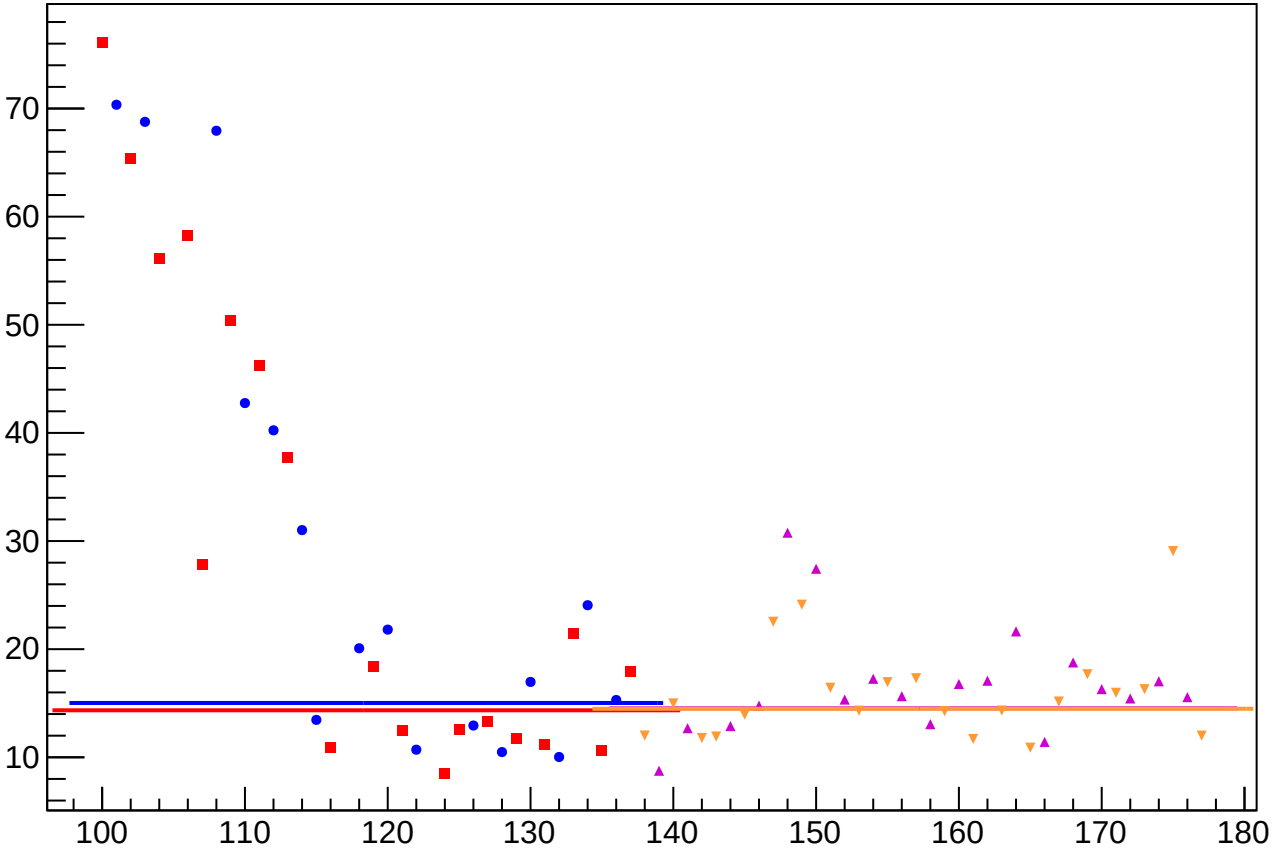
Left In: -0.003+/-0.004 χ^2/NDF:30.5/18

+ sign 0.003+/-0.003 χ^2/NDF: 44.1/36

All: 0.002+/-0.002 χ^2/NDF: 90.0/74

- sign 0.000+/-0.003 χ^2/NDF: 45.6/37

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.489+/-0.003 χ^2/NDF:1429707.0/20

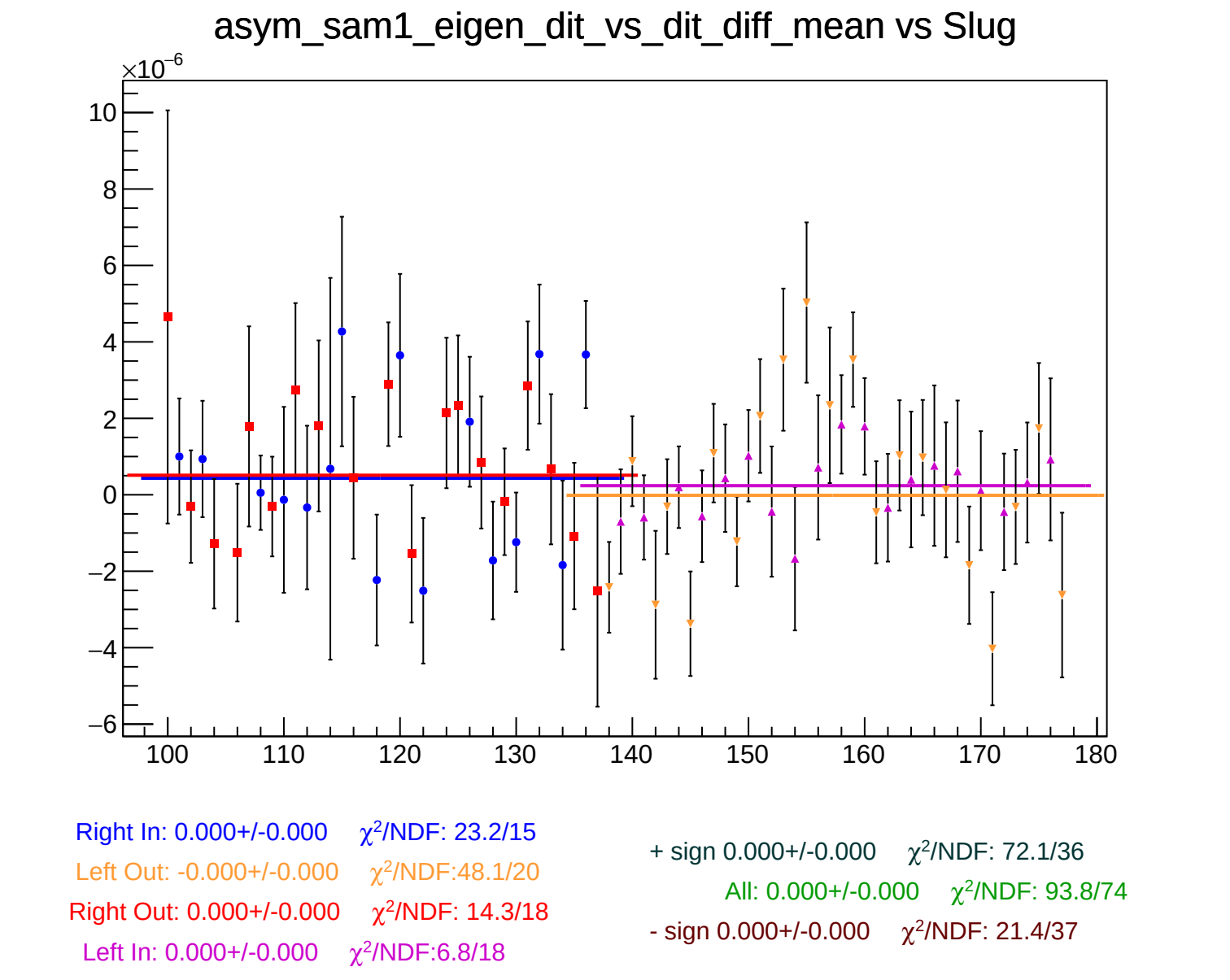
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

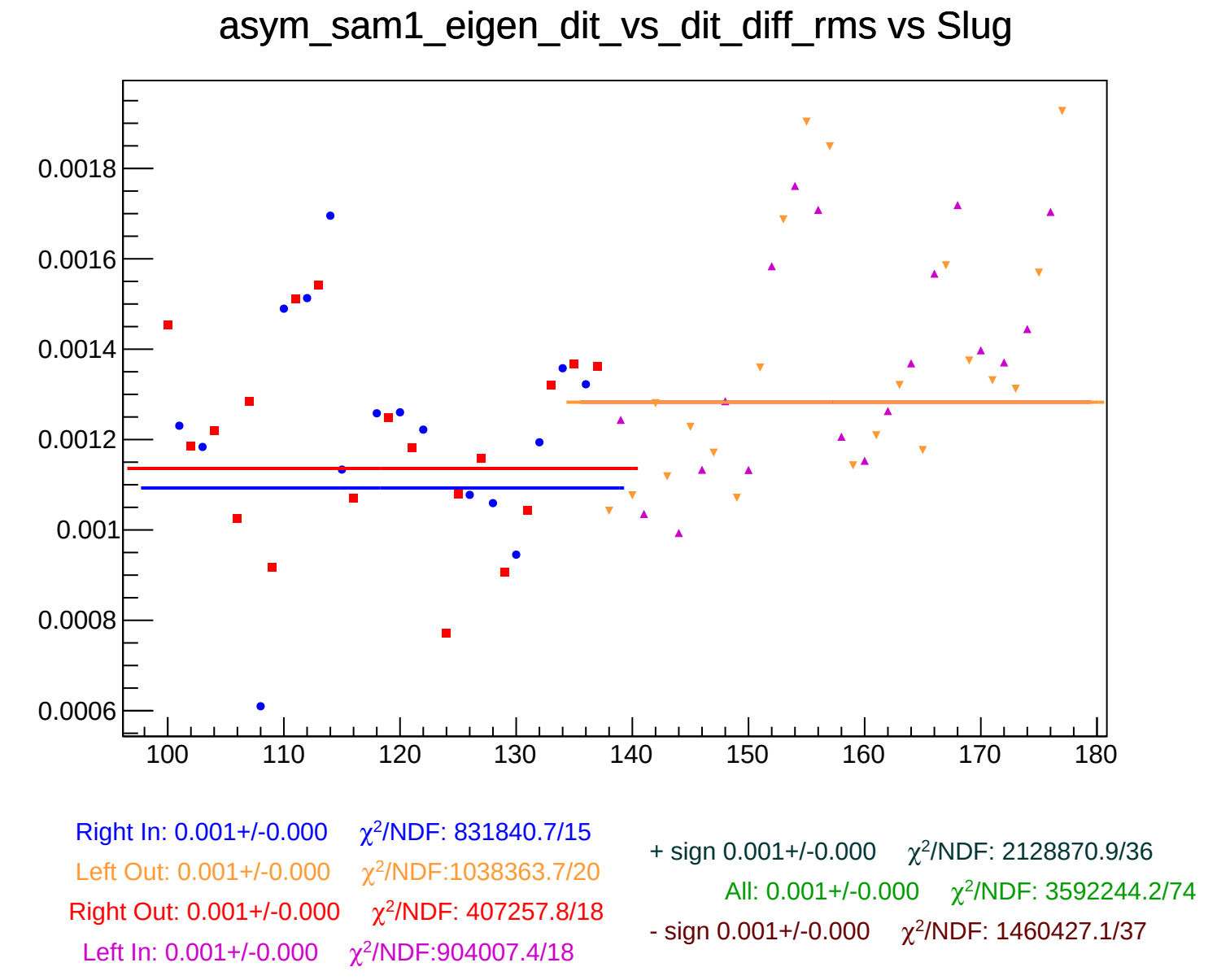
Left In: 14.529+/-0.003 χ^2/NDF:2052218.4/18

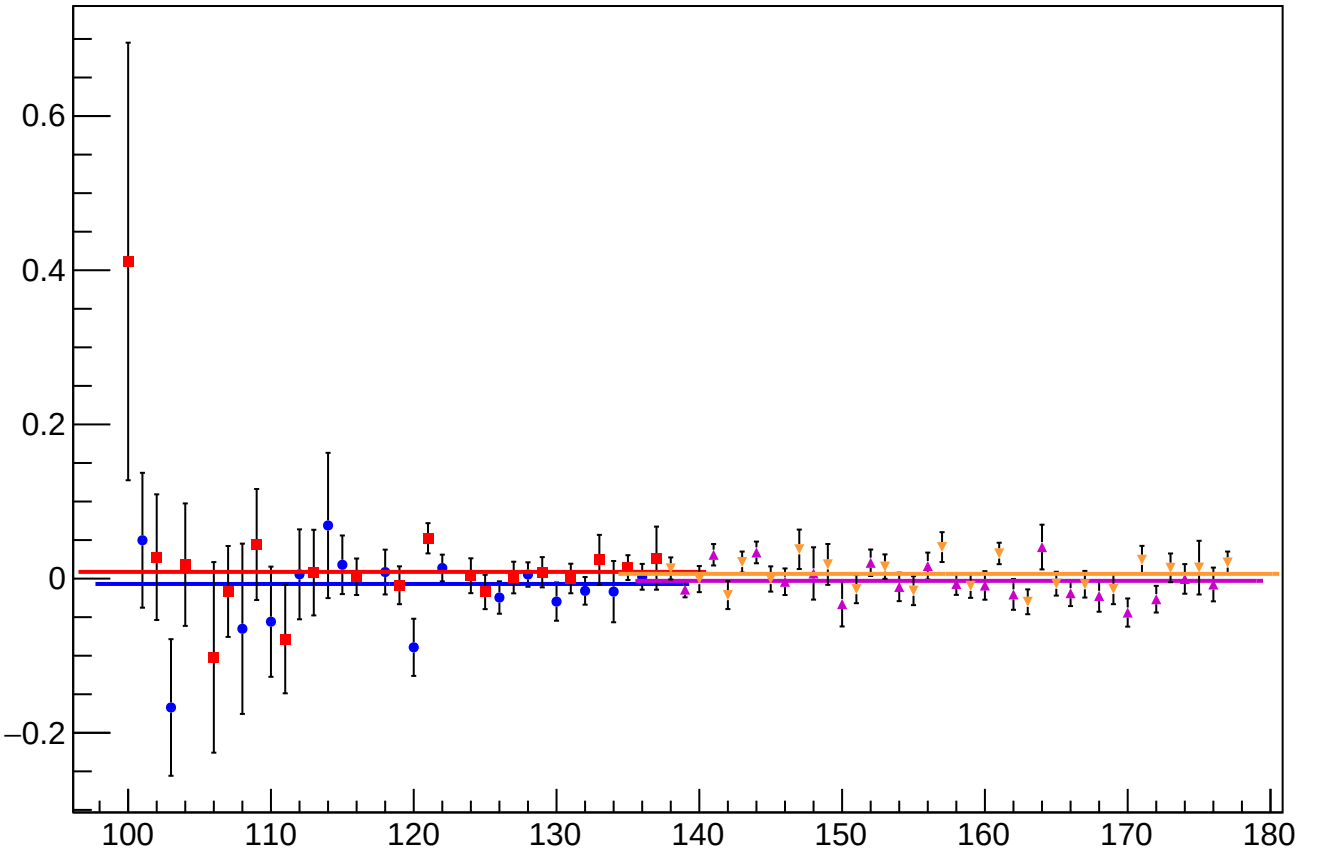
\+ sign 14.616+/-0.002 χ^2/NDF: 4877669.5/36

All: 14.549+/-0.002 χ^2/NDF: 10561769.8/74

\- sign 14.479+/-0.002 χ^2/NDF: 5682385.9/37


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 23.2/15
Left Out: -0.000+/-0.000 χ²/NDF:48.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 14.3/18
Left In: 0.000+/-0.000 χ²/NDF:6.8/18
+ sign 0.000+/-0.000 χ²/NDF: 72.1/36
All: 0.000+/-0.000 χ²/NDF: 93.8/74
- sign 0.000+/-0.000 χ²/NDF: 21.4/37


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:1038363.7/20
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:904007.4/18
+ sign 0.001+/-0.000 χ²/NDF: 2128870.9/36
All: 0.001+/-0.000 χ²/NDF: 3592244.2/74
- sign 0.001+/-0.000 χ²/NDF: 1460427.1/37



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.3/20

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

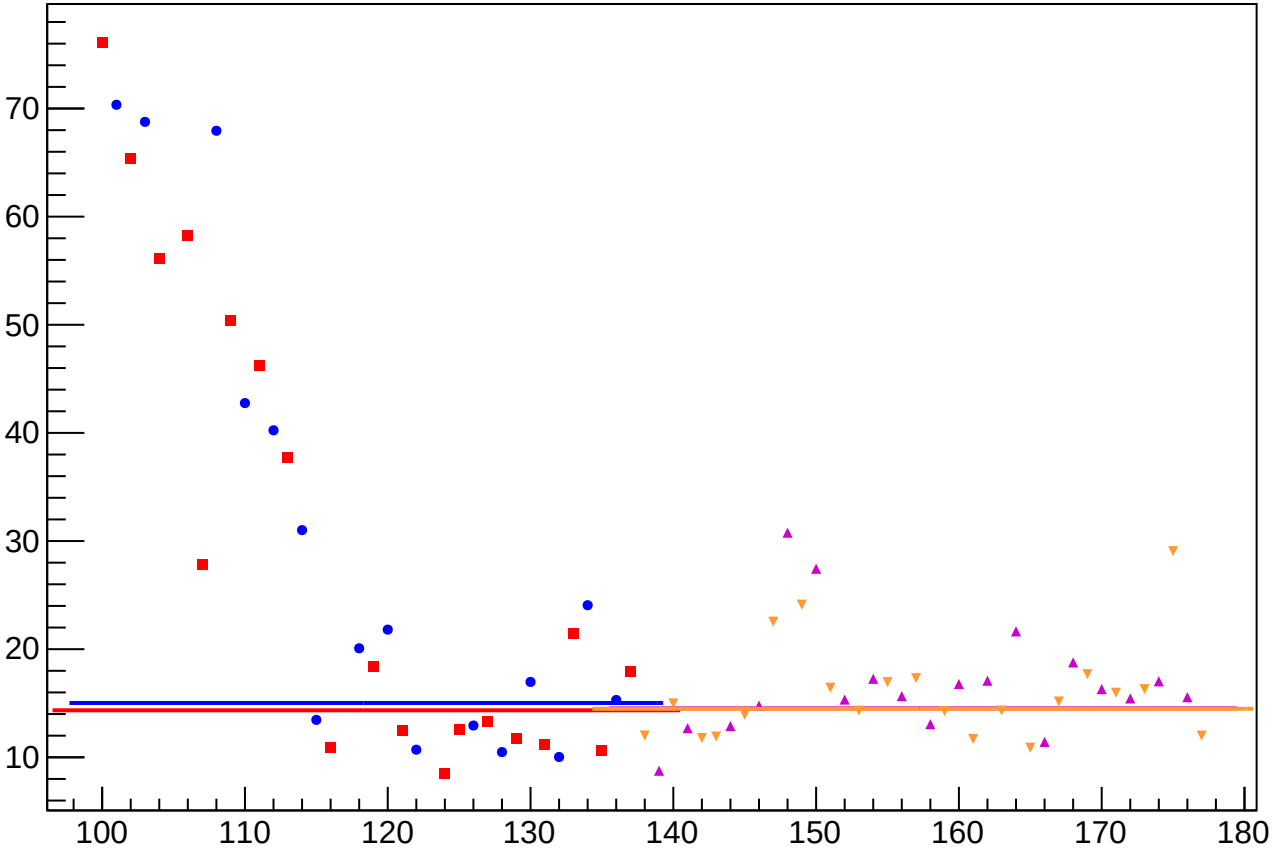
Left In: -0.003+/-0.004 χ^2/NDF:30.5/18

+ sign 0.003+/-0.003 χ^2/NDF: 44.1/36

All: 0.002+/-0.002 χ^2/NDF: 90.0/74

- sign 0.000+/-0.003 χ^2/NDF: 45.6/37

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.488+/-0.003 χ^2/NDF:1429854.7/20

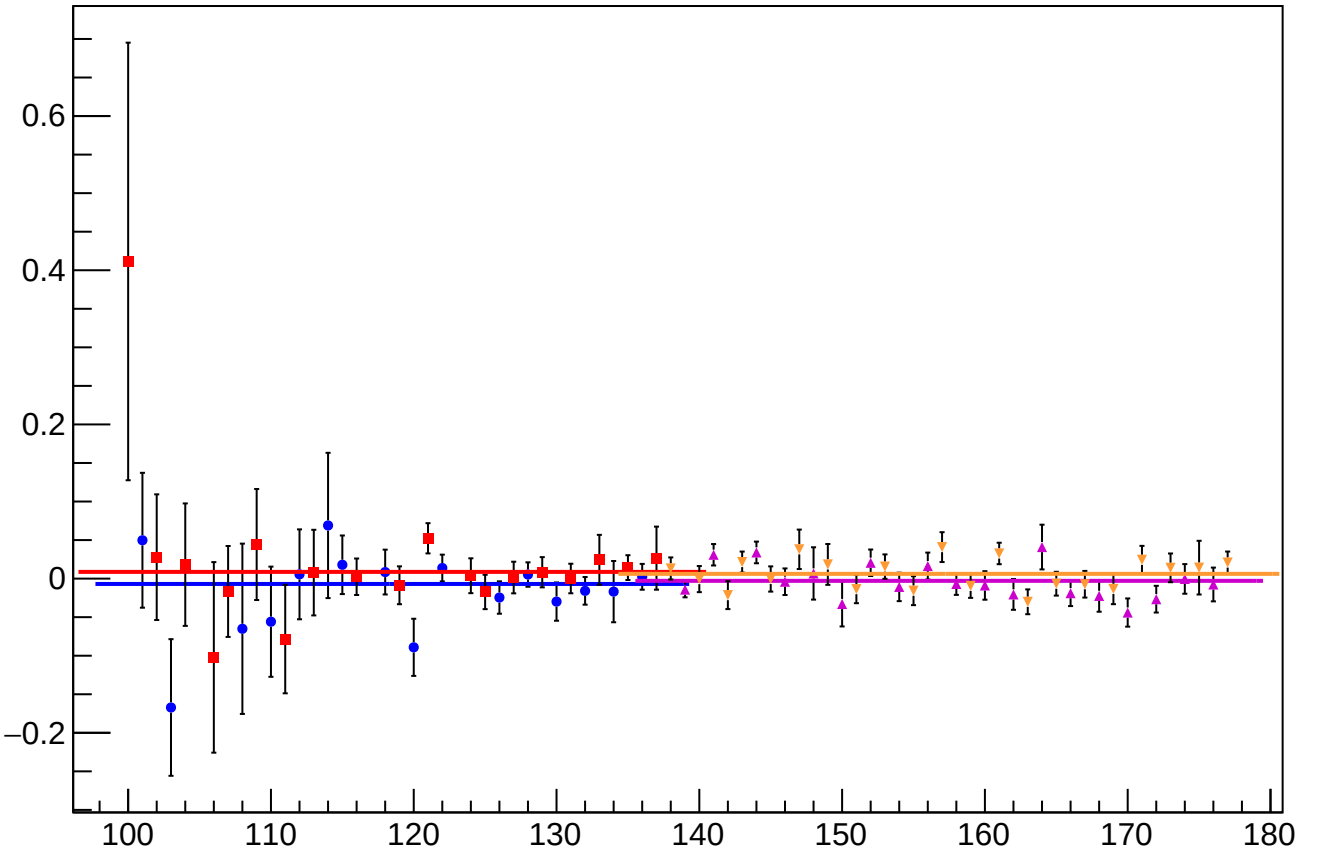
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.528+/-0.003 χ^2/NDF:2052274.6/18

+ sign 14.616+/-0.002 χ^2/NDF: 4877837.6/36

All: 14.549+/-0.002 χ^2/NDF: 10561981.2/74

- sign 14.478+/-0.002 χ^2/NDF: 5682431.6/37



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.3/20

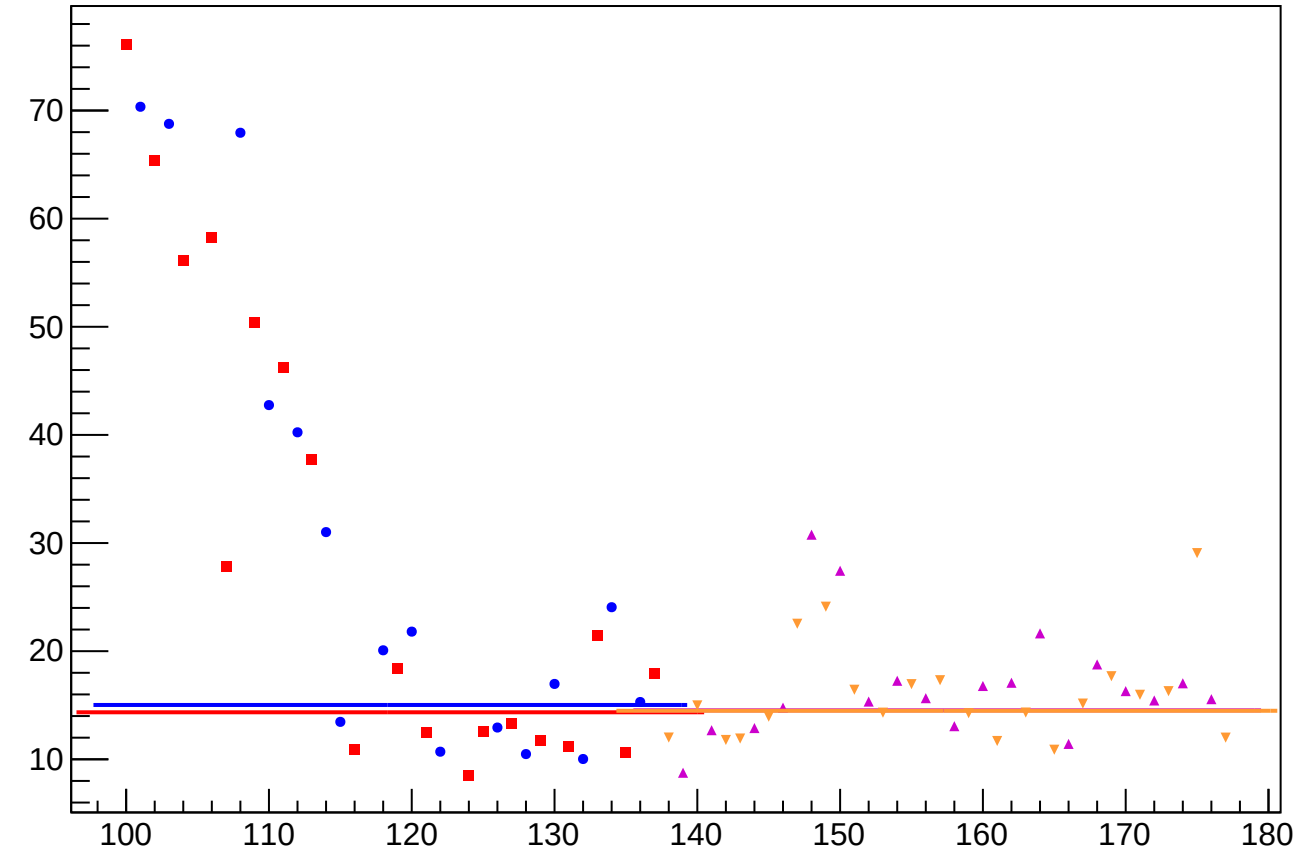
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.004 χ^2/NDF:30.5/18

+ sign 0.003+/-0.003 χ^2/NDF: 44.1/36

All: 0.002+/-0.002 χ^2/NDF: 90.0/74

- sign 0.000+/-0.003 χ^2/NDF: 45.6/37



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.488+/-0.003 χ^2/NDF:1429854.7/20

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

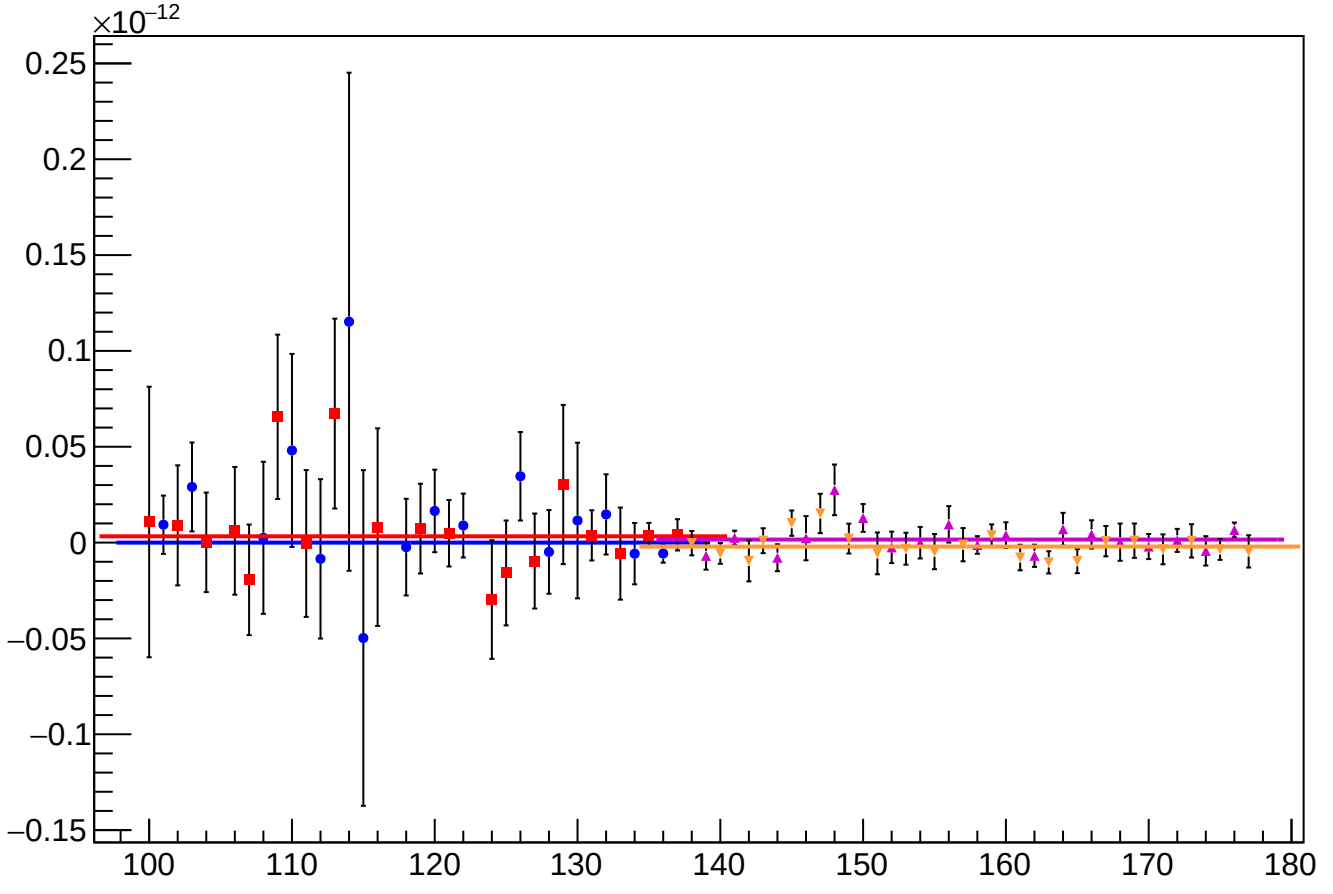
Left In: 14.528+/-0.003 χ^2/NDF:2052274.6/18

+ sign 14.616+/-0.002 χ^2/NDF: 4877837.6/36

All: 14.549+/-0.002 χ^2/NDF: 10561981.2/74

- sign 14.478+/-0.002 χ^2/NDF: 5682431.6/37

asym_sam1_eigen_cor_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:13.8/20

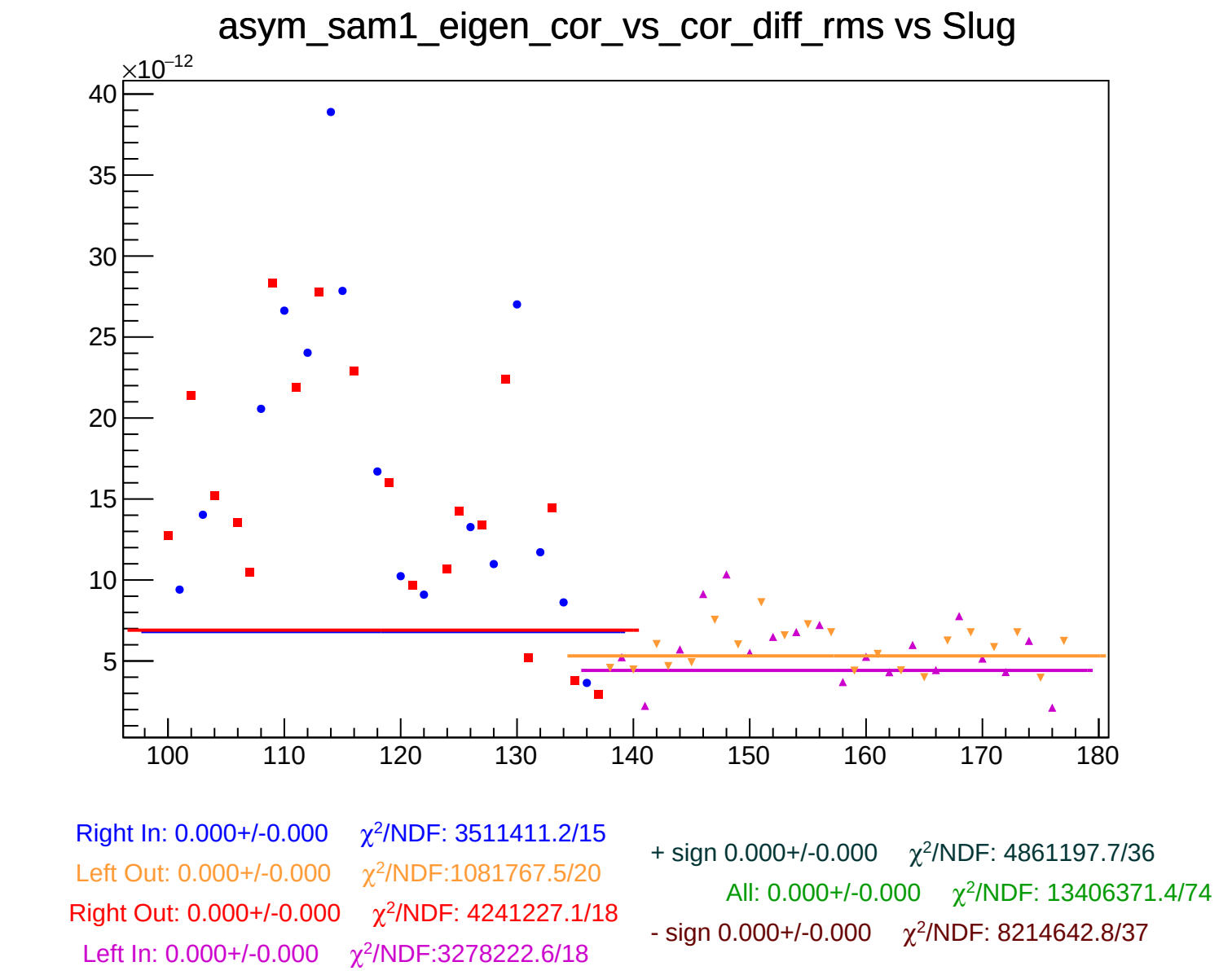
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/36

All: 0.000+/-0.000 χ^2/NDF: 50.0/74

- sign 0.000+/-0.000 χ^2/NDF: 23.5/37


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
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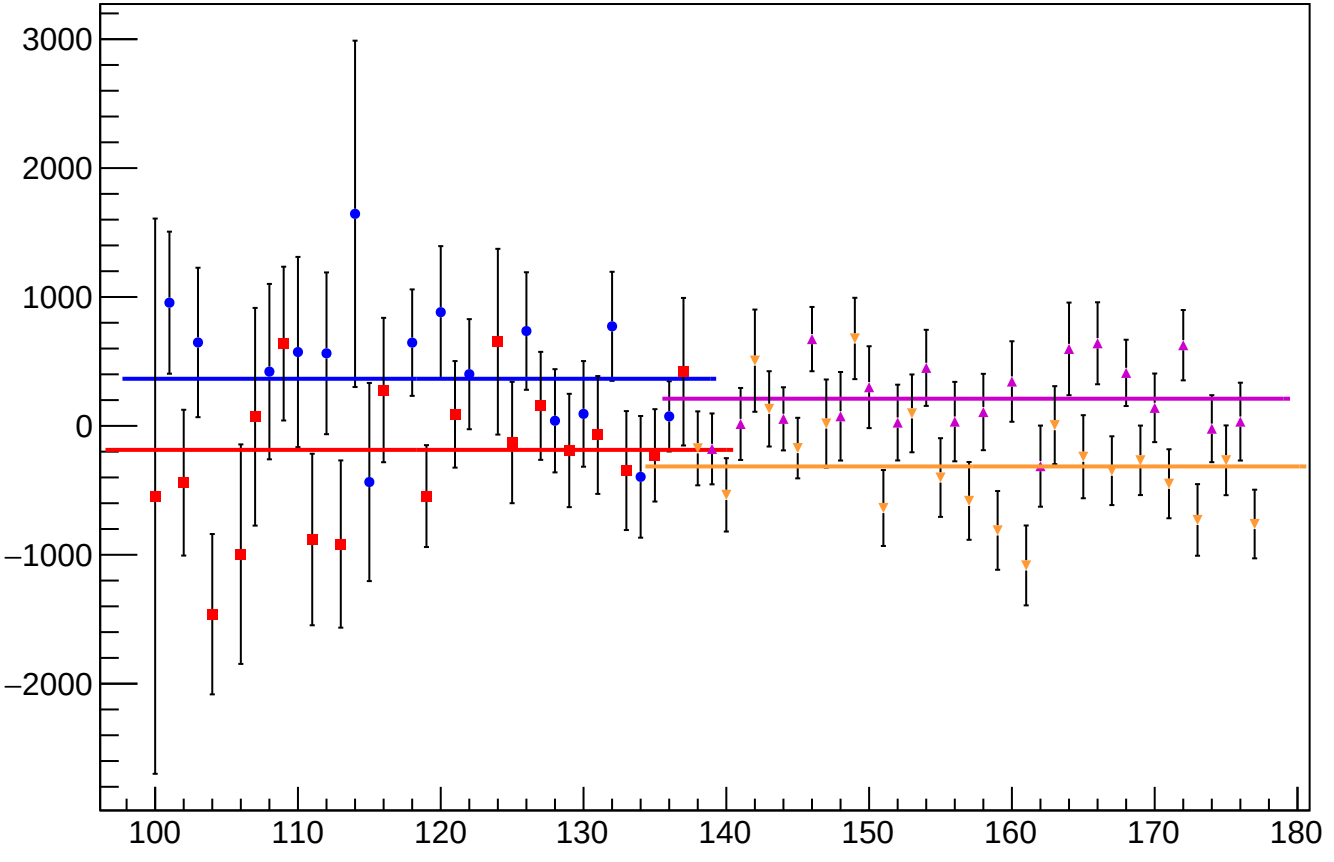
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1081767.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:3278222.6/18
+ sign 0.000+/-0.000 χ²/NDF: 4861197.7/36
All: 0.000+/-0.000 χ²/NDF: 13406371.4/74
- sign 0.000+/-0.000 χ²/NDF: 8214642.8/37

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -314.673+/-63.539 χ^2/NDF:37.9/20

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

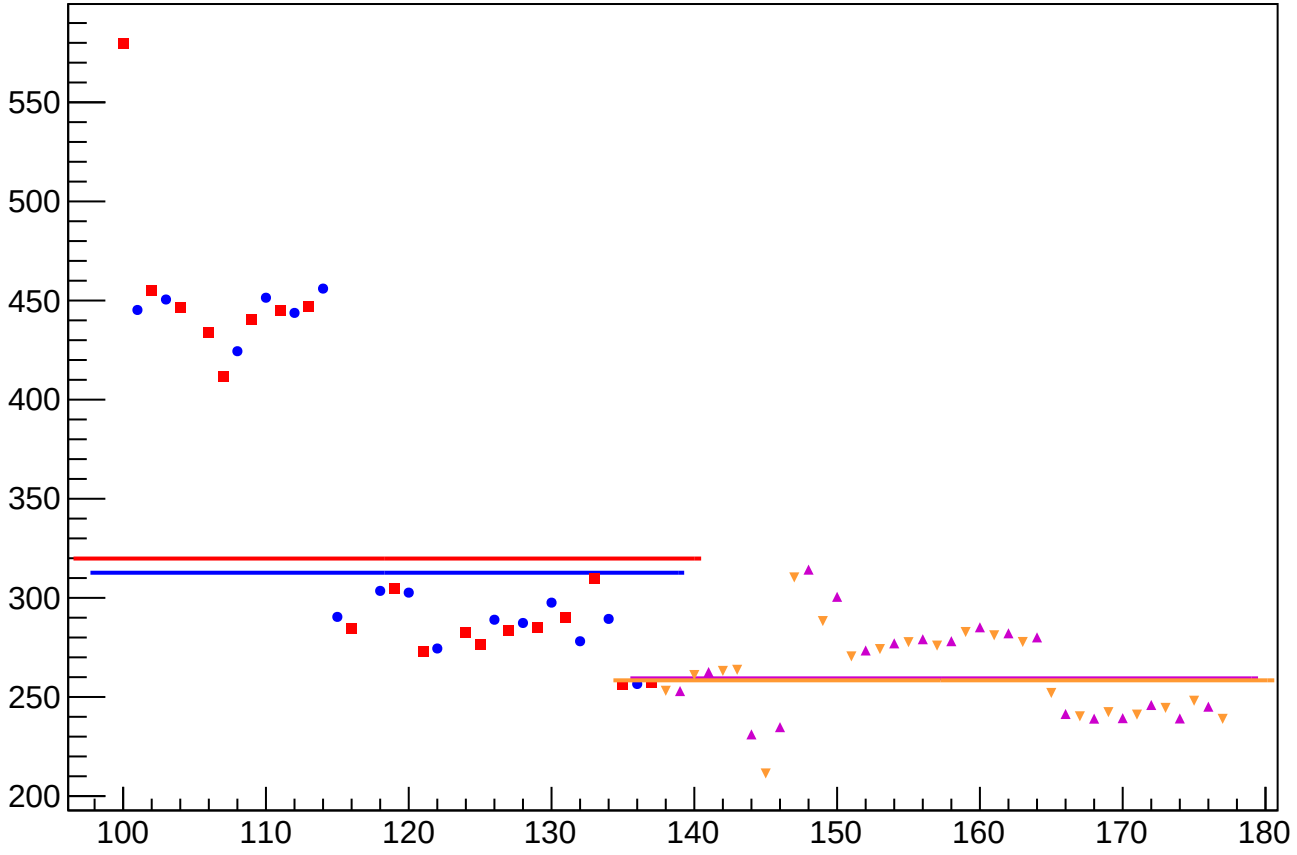
Left In: 210.907+/-66.135 χ^2/NDF:18.2/18

+ sign -163.520+/-56.036 χ^2/NDF: 74.9/36

All: -27.163+/-40.280 χ^2/NDF: 128.7/74

- sign 118.627+/-57.942 χ^2/NDF: 41.5/37

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.403+/-0.045 χ^2/NDF:245192.8/20

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

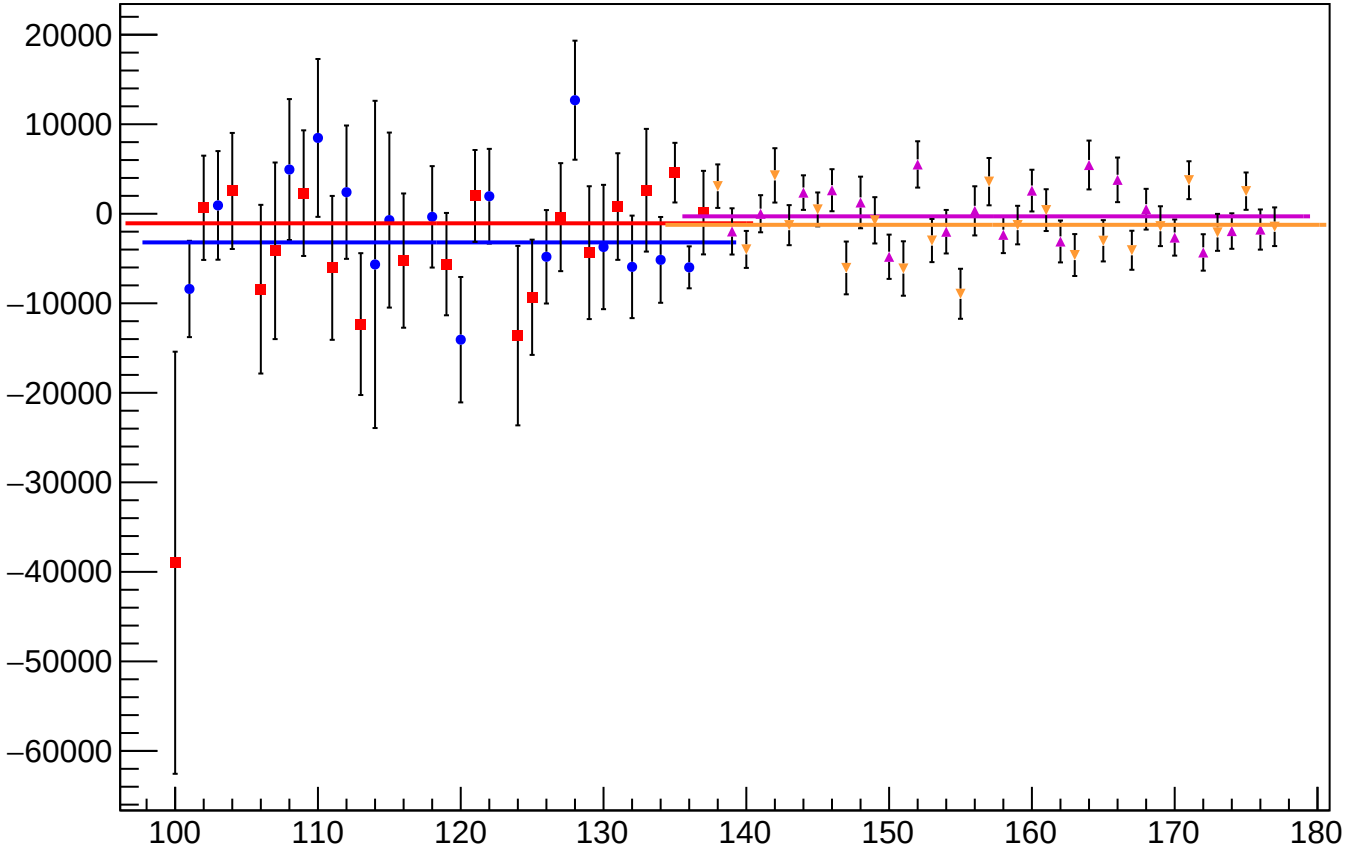
Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

+ sign 270.465+/-0.040 χ^2/NDF: 1171737.6/36

All: 271.904+/-0.028 χ^2/NDF: 2503070.9/74

- sign 273.443+/-0.041 χ^2/NDF: 1328603.8/37

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1235.405+/-506.915 χ^2/NDF:39.6/20

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

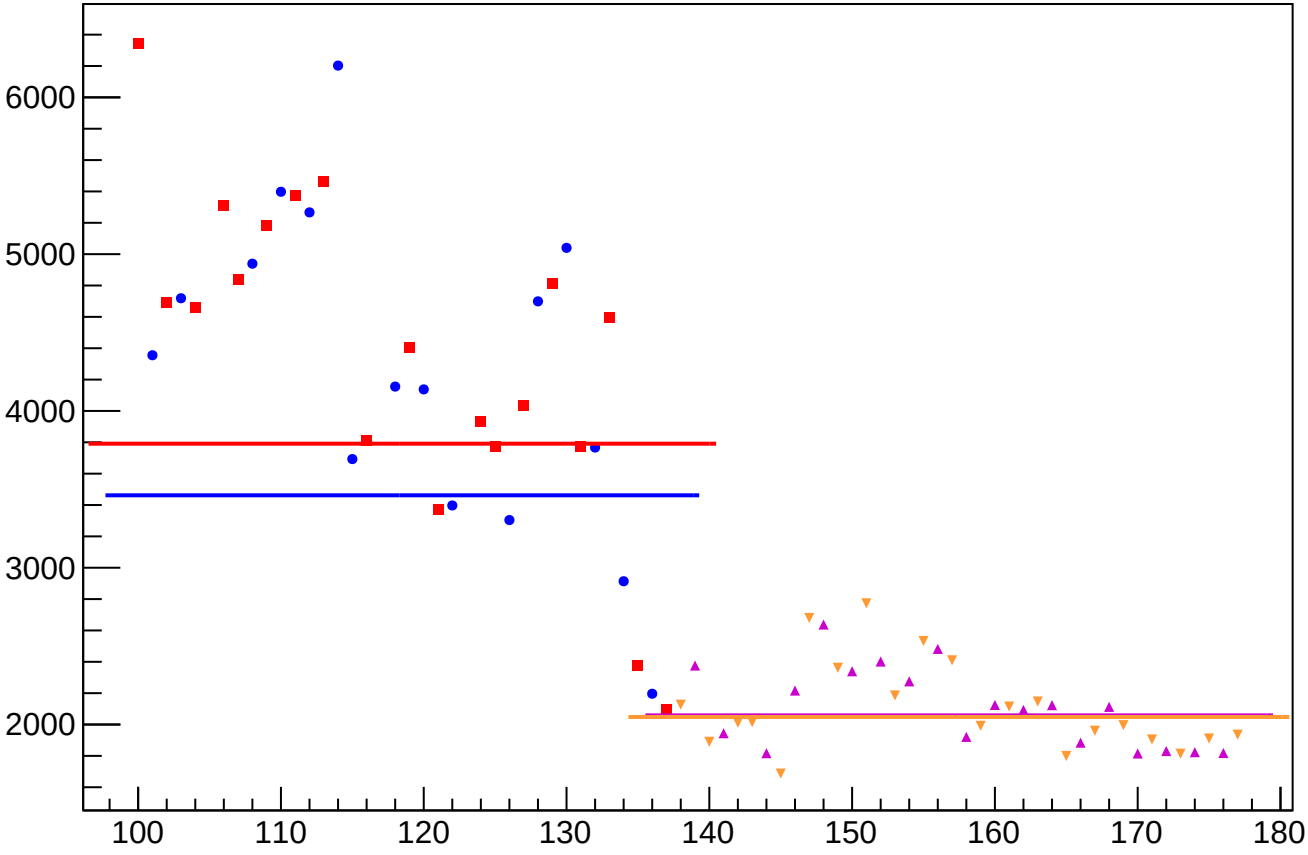
Left In: -287.827+/-526.954 χ^2/NDF:30.7/18

+ sign -1476.821+/-474.728 χ^2/NDF: 57.6/36

All: -951.012+/-342.624 χ^2/NDF: 105.5/74

- sign -379.347+/-494.996 χ^2/NDF: 45.3/37

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2048.025+/-0.358 χ^2/NDF:509403.2/20

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

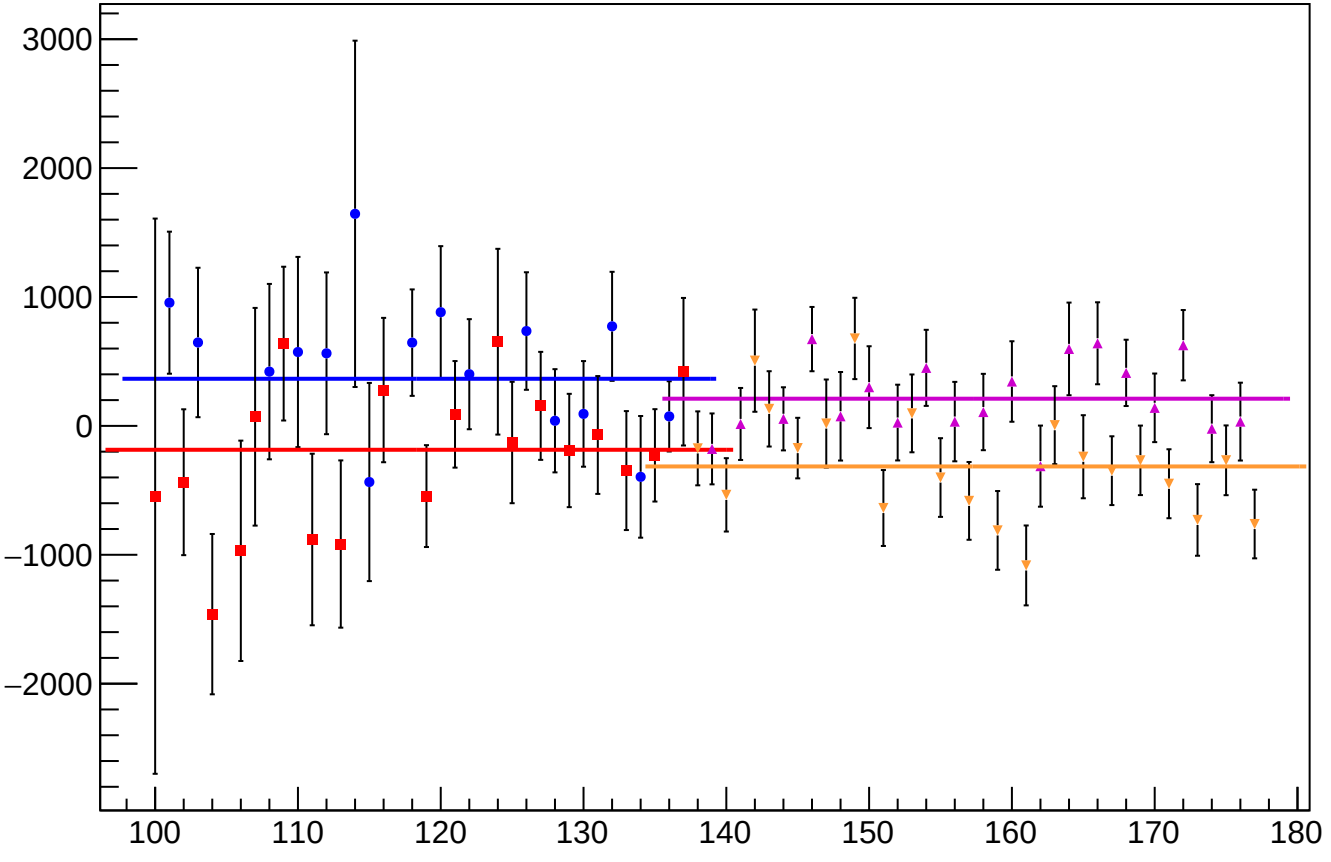
Left In: 2058.485+/-0.373 χ^2/NDF:410123.8/18

+ sign 2221.881+/-0.336 χ^2/NDF: 3732223.4/36

All: 2241.239+/-0.242 χ^2/NDF: 7848450.4/74

- sign 2262.284+/-0.350 χ^2/NDF: 4109286.5/37

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -314.672+/-63.539 χ^2/NDF:37.9/20

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

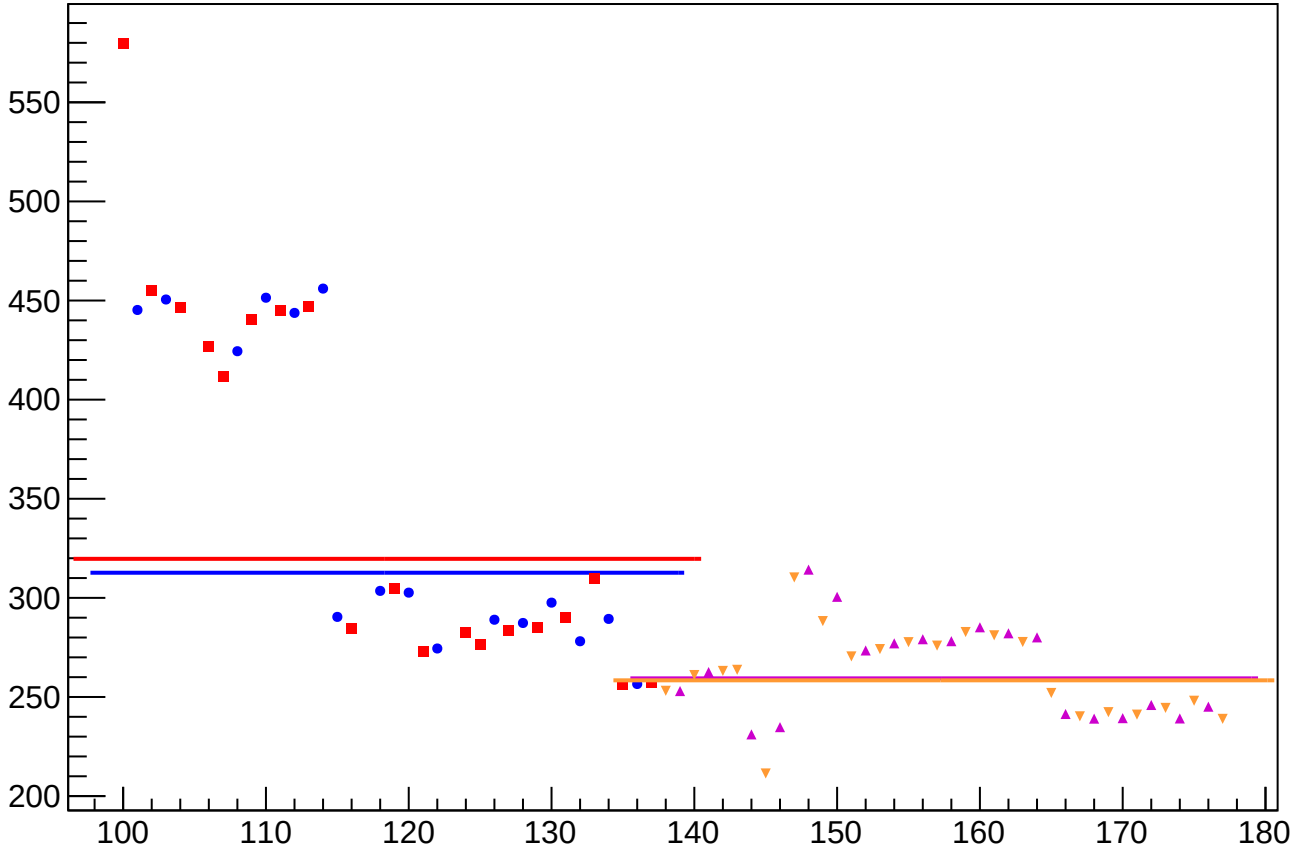
Left In: 210.913+/-66.135 χ^2/NDF:18.2/18

+ sign -163.524+/-56.036 χ^2/NDF: 74.9/36

All: -27.068+/-40.281 χ^2/NDF: 128.6/74

- sign 118.833+/-57.943 χ^2/NDF: 41.4/37

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.403+/-0.045 χ^2/NDF:245192.8/20

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

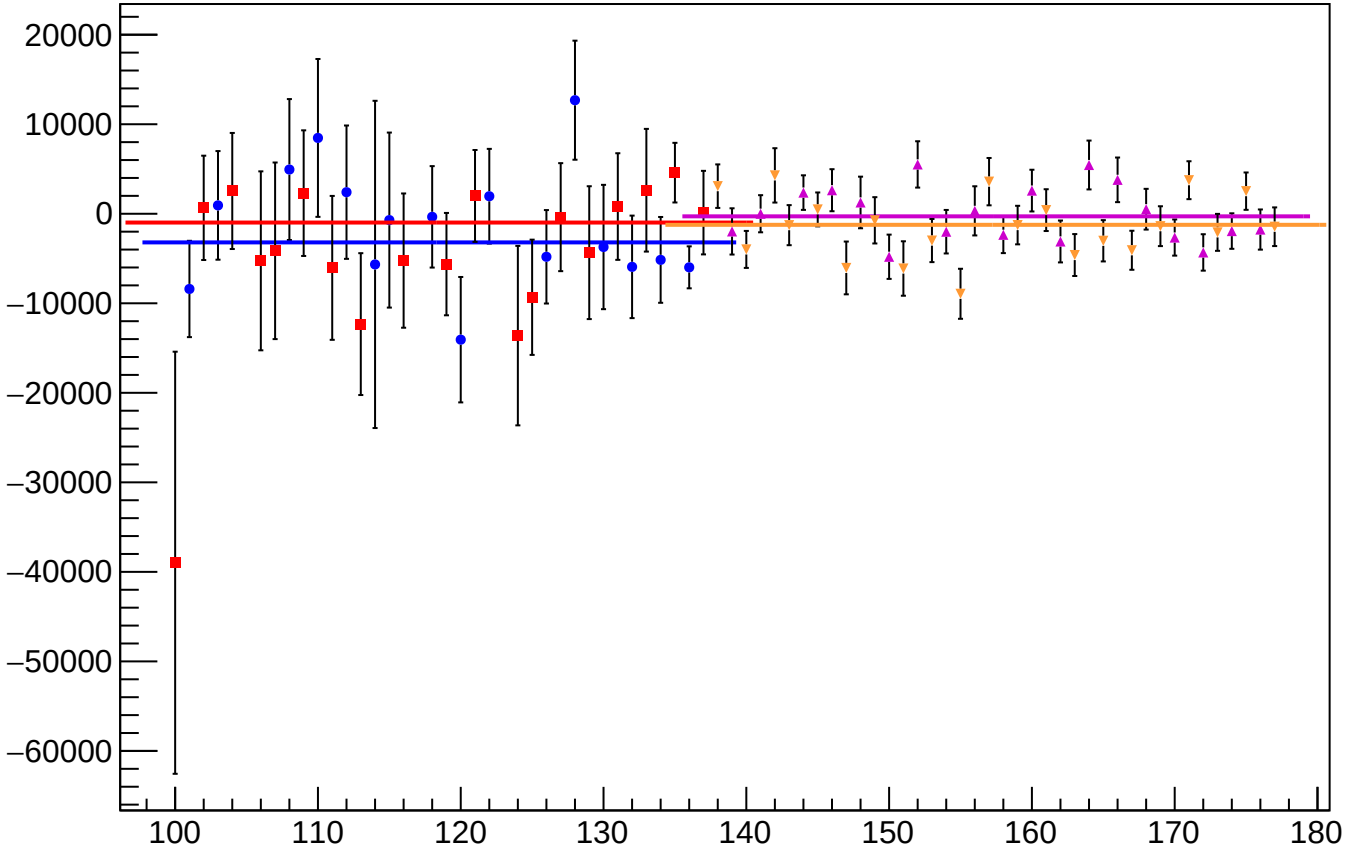
Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

+ sign 270.465+/-0.040 χ^2/NDF: 1171739.2/36

All: 271.886+/-0.028 χ^2/NDF: 2496886.1/74

- sign 273.406+/-0.041 χ^2/NDF: 1322483.9/37

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1235.403+/-506.915 χ^2/NDF:39.6/20

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

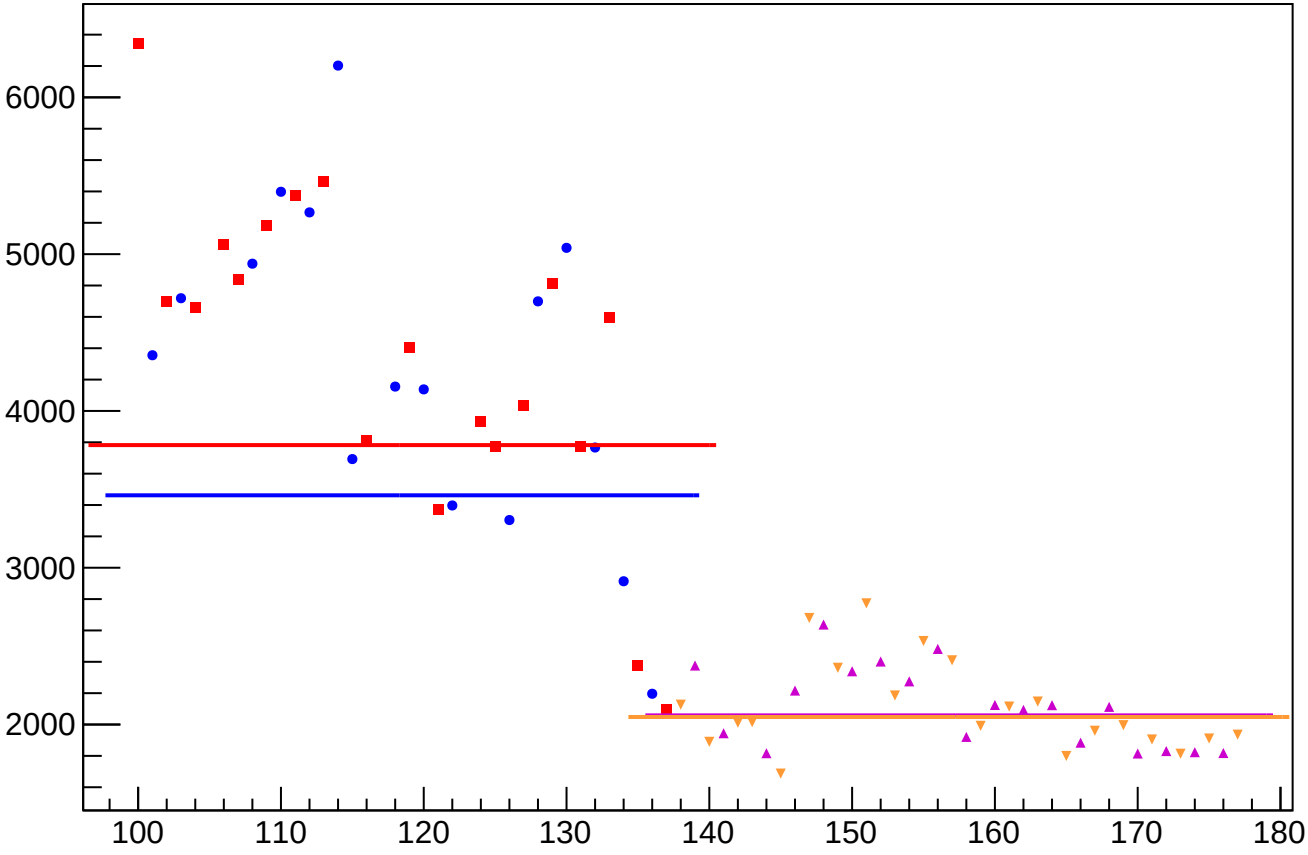
Left In: -287.828+/-526.954 χ^2/NDF:30.7/18

\+ sign -1476.811+/-474.728 χ^2/NDF: 57.6/36

All: -946.211+/-342.650 χ^2/NDF: 105.0/74

\- sign -369.157+/-495.074 χ^2/NDF: 44.8/37

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2048.025+/-0.358 χ^2/NDF:509404.0/20

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

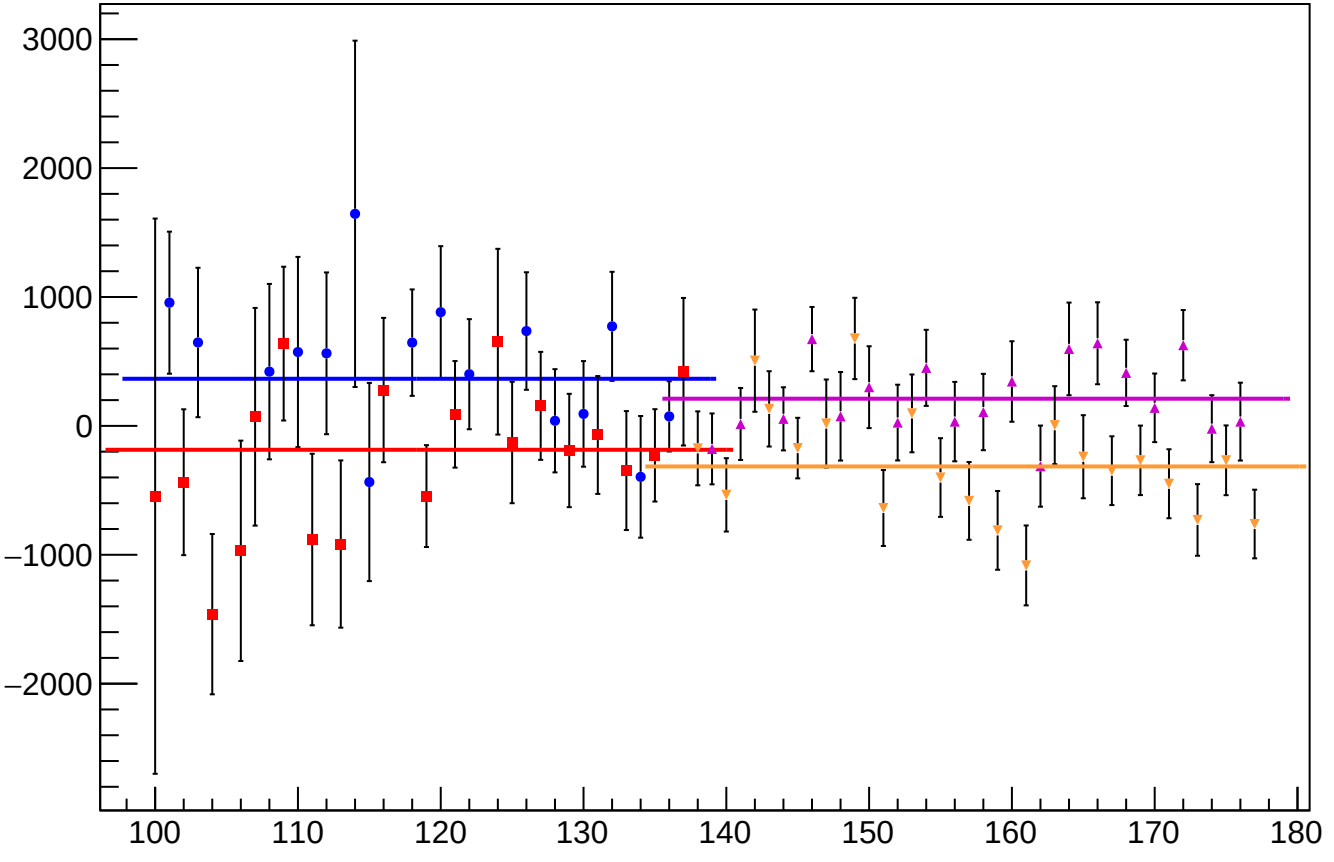
Left In: 2058.485+/-0.373 χ^2/NDF:410127.3/18

+ sign 2221.881+/-0.336 χ^2/NDF: 3732245.1/36

All: 2240.497+/-0.242 χ^2/NDF: 7796141.7/74

- sign 2260.742+/-0.350 χ^2/NDF: 4057476.7/37

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -314.672+/-63.539 χ^2/NDF:37.9/20

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

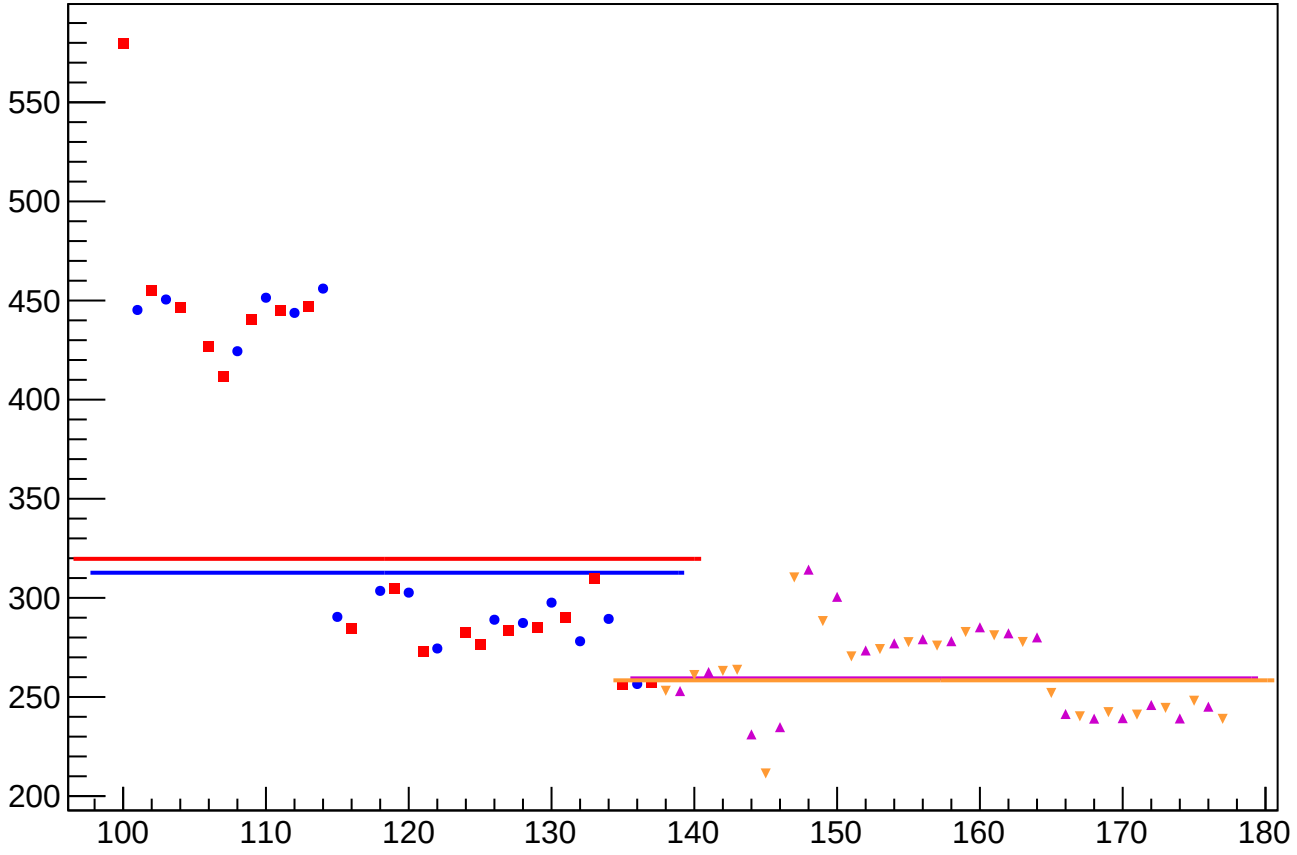
Left In: 210.913+/-66.135 χ^2/NDF:18.2/18

+ sign -163.524+/-56.036 χ^2/NDF: 74.9/36

All: -27.068+/-40.281 χ^2/NDF: 128.6/74

- sign 118.833+/-57.943 χ^2/NDF: 41.4/37

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.403+/-0.045 χ^2/NDF:245192.8/20

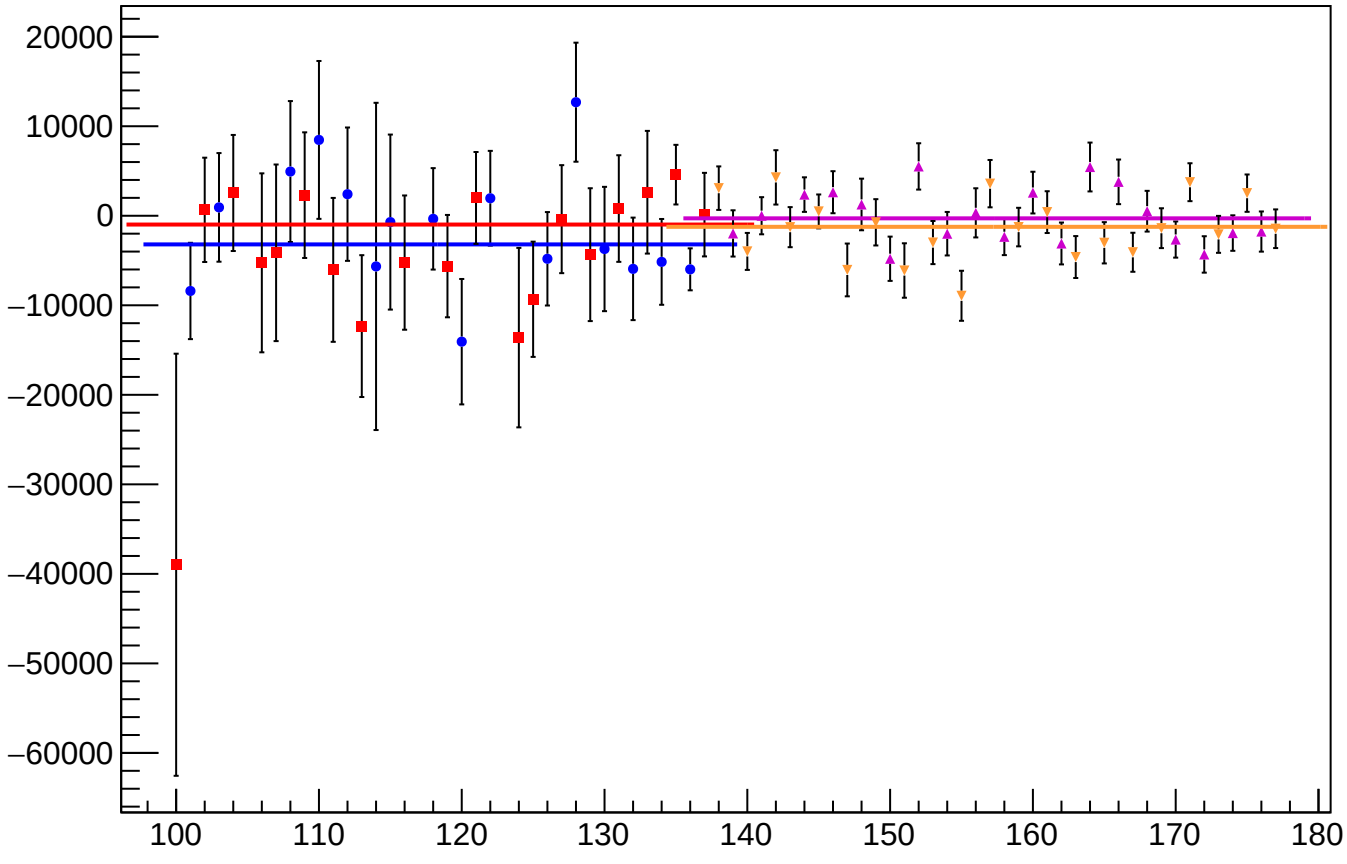
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

+ sign 270.465+/-0.040 χ^2/NDF: 1171739.2/36

All: 271.886+/-0.028 χ^2/NDF: 2496886.1/74

- sign 273.406+/-0.041 χ^2/NDF: 1322483.9/37



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1235.403+/-506.915 χ^2/NDF:39.6/20

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

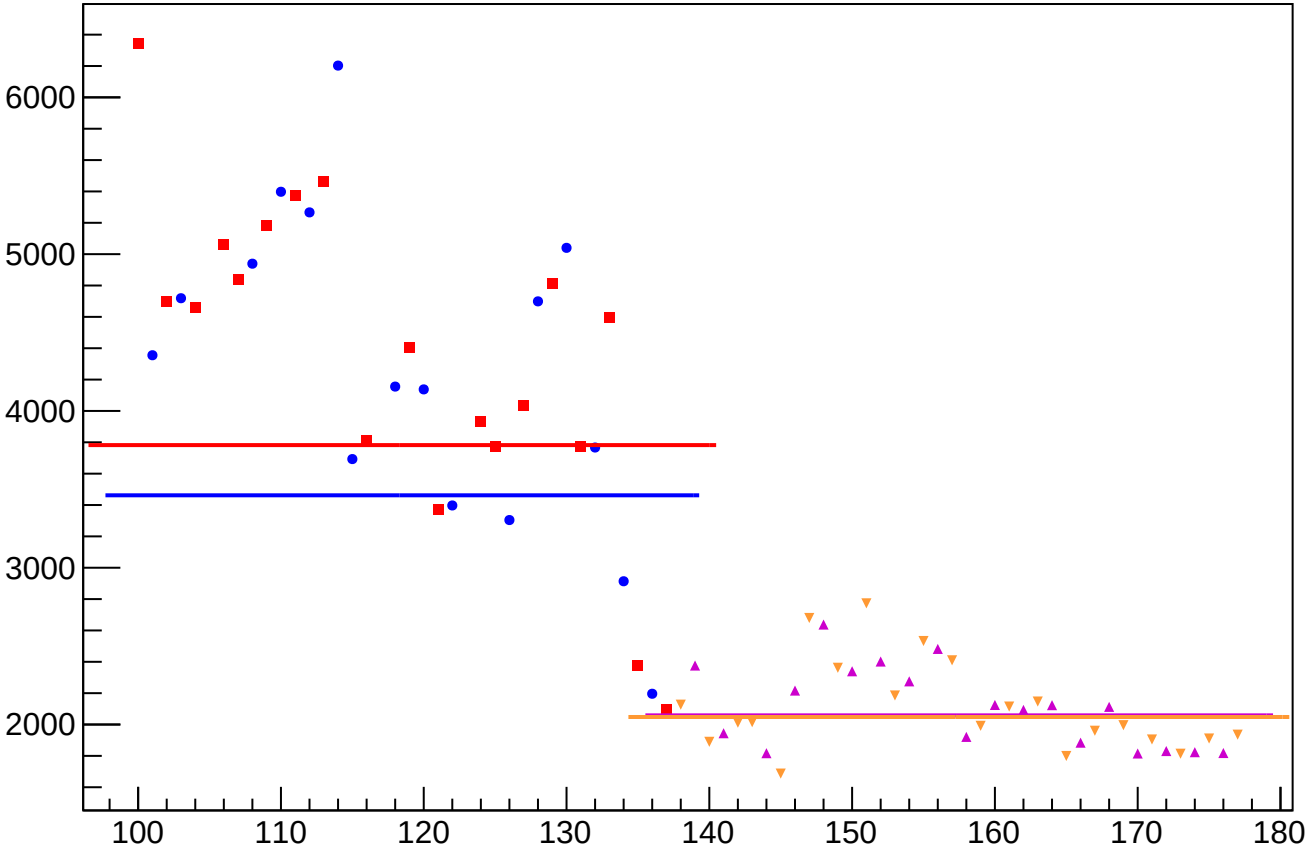
Left In: -287.828+/-526.954 χ^2/NDF:30.7/18

+ sign -1476.811+/-474.728 χ^2/NDF: 57.6/36

All: -946.211+/-342.650 χ^2/NDF: 105.0/74

- sign -369.157+/-495.074 χ^2/NDF: 44.8/37

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2048.025+/-0.358 χ^2/NDF:509404.0/20

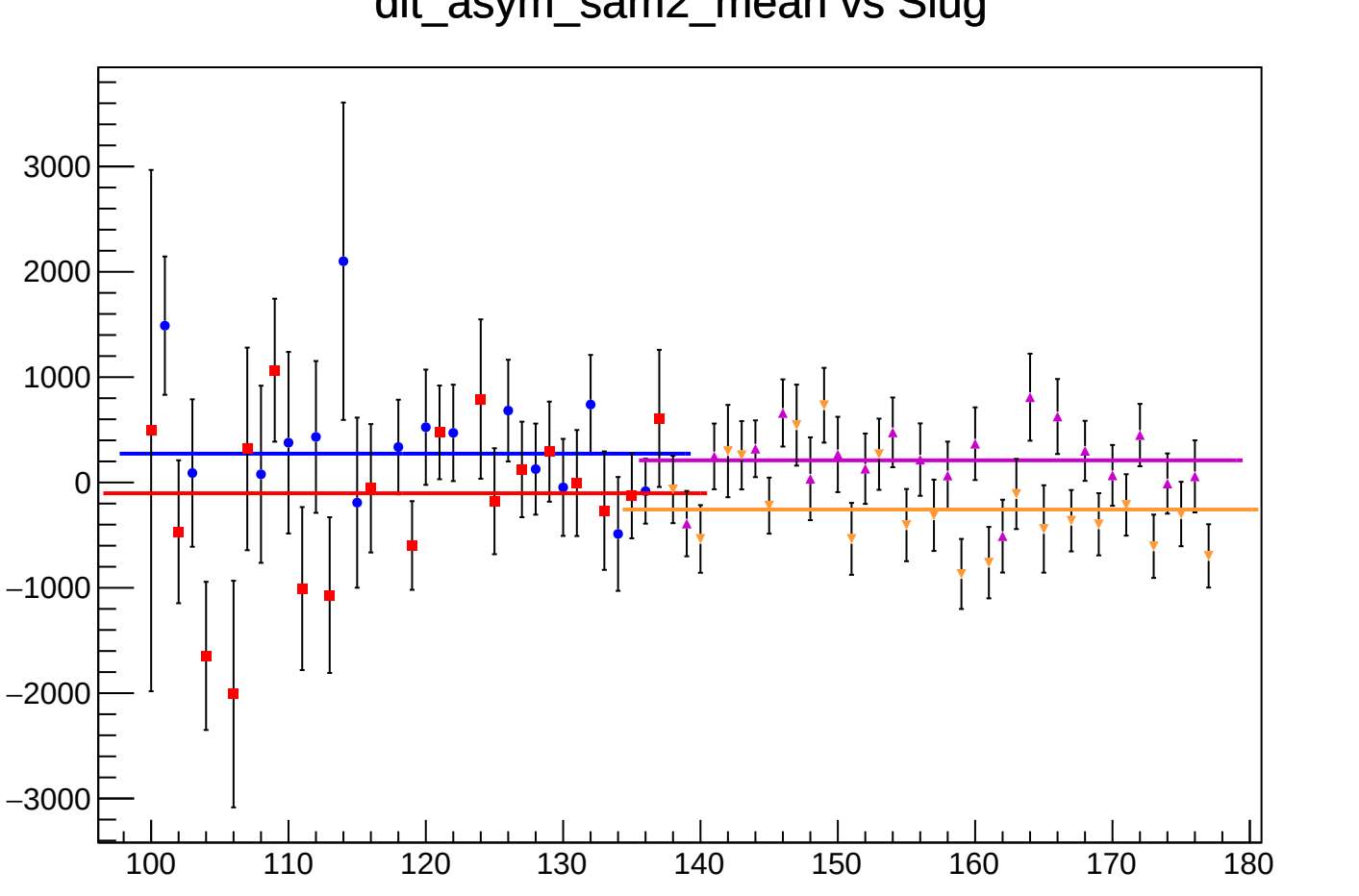
Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2058.485+/-0.373 χ^2/NDF:410127.3/18

+ sign 2221.881+/-0.336 χ^2/NDF: 3732245.1/36

All: 2240.497+/-0.242 χ^2/NDF: 7796141.7/74

- sign 2260.742+/-0.350 χ^2/NDF: 4057476.7/37



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -256.613+/-71.062 χ^2/NDF:30.6/20

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

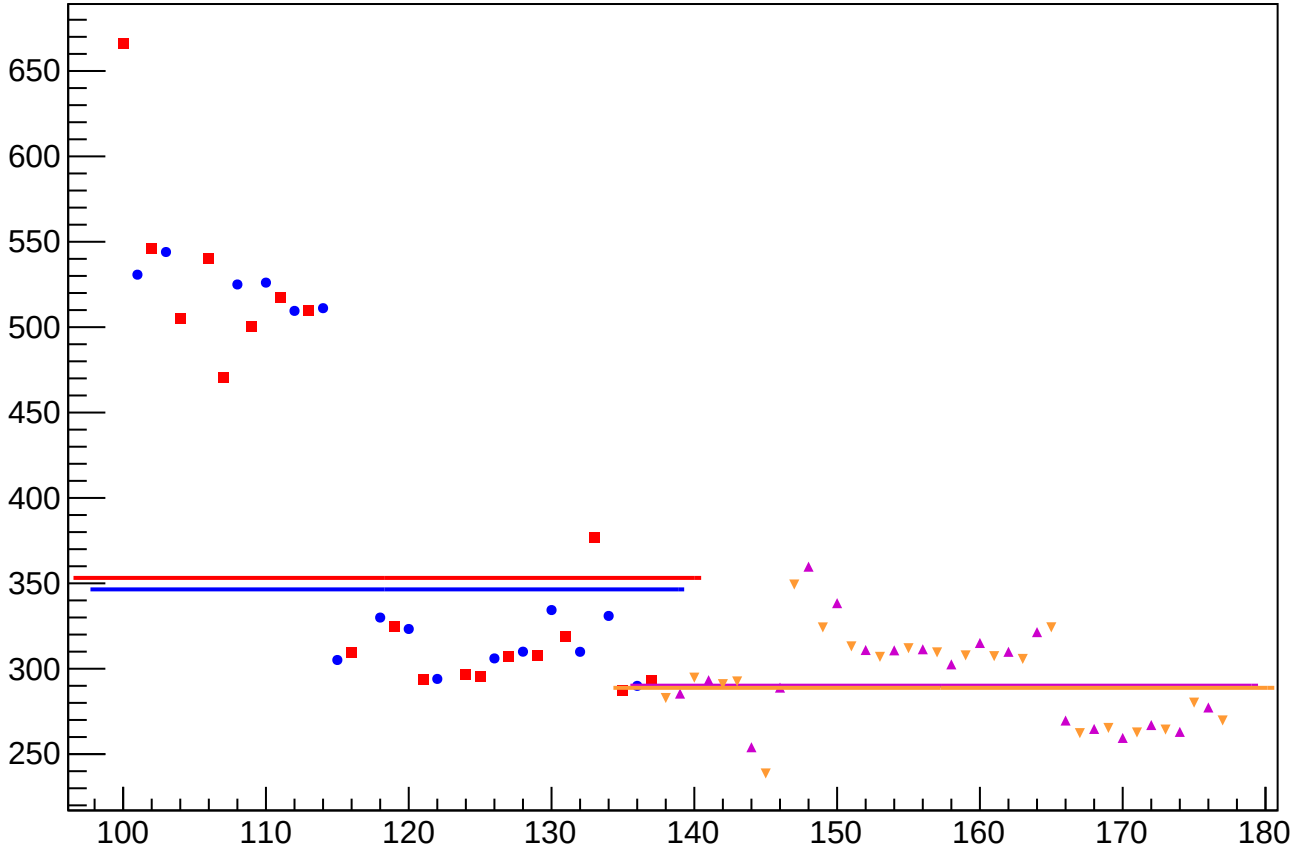
Left In: 210.274+/-74.156 χ^2/NDF:16.8/18

\+ sign -138.229+/-62.628 χ^2/NDF: 54.4/36

All: -5.558+/-45.046 χ^2/NDF: 106.1/74

\- sign 136.644+/-64.838 χ^2/NDF: 42.3/37

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 288.814+/-0.050 χ^2/NDF:275166.4/20

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

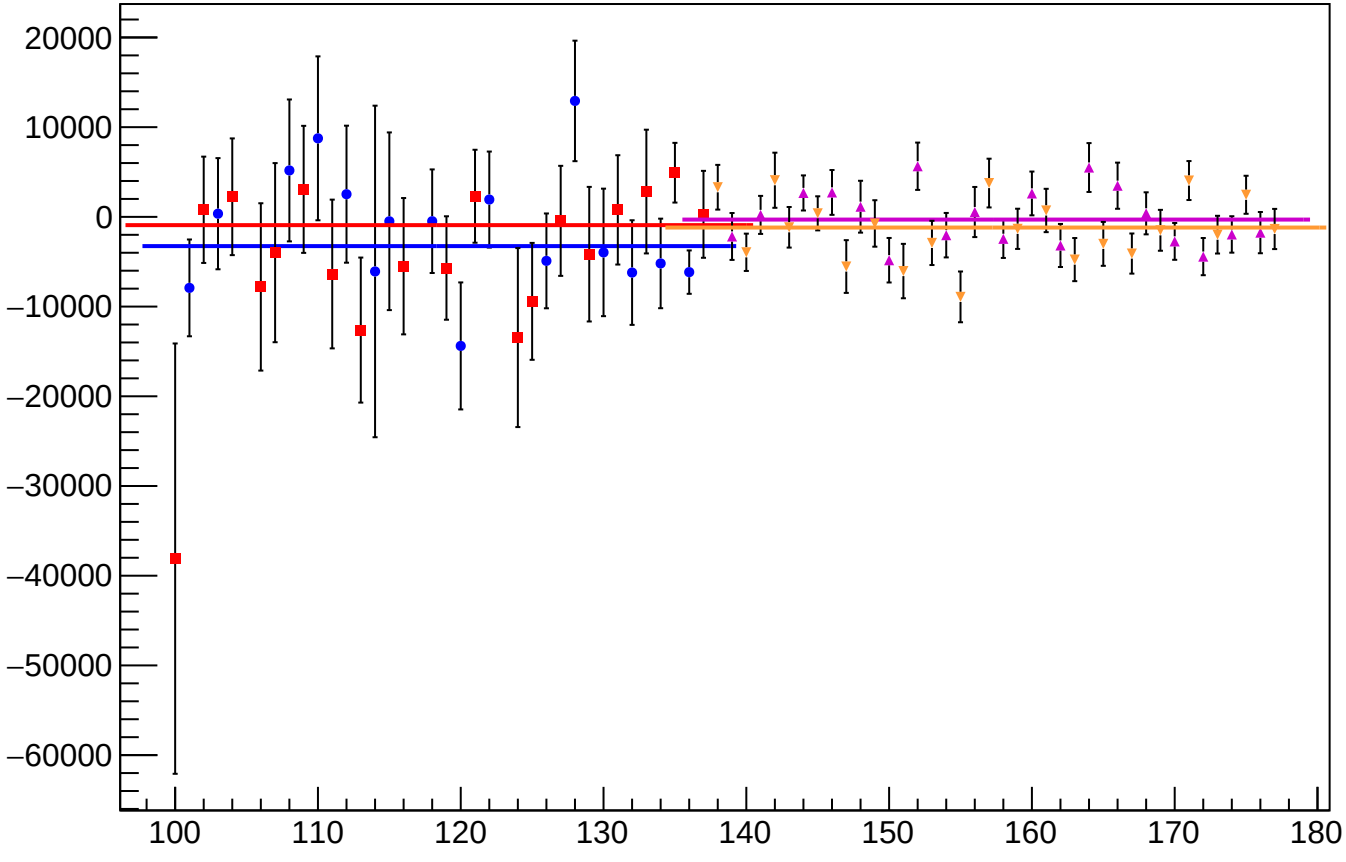
Left In: 290.070+/-0.052 χ^2/NDF:268545.8/18

+ sign 301.684+/-0.044 χ^2/NDF: 1337748.5/36

All: 303.252+/-0.032 χ^2/NDF: 2816381.9/74

- sign 304.932+/-0.046 χ^2/NDF: 1476036.7/37

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1189.600+/-517.616 χ^2/NDF:38.7/20

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

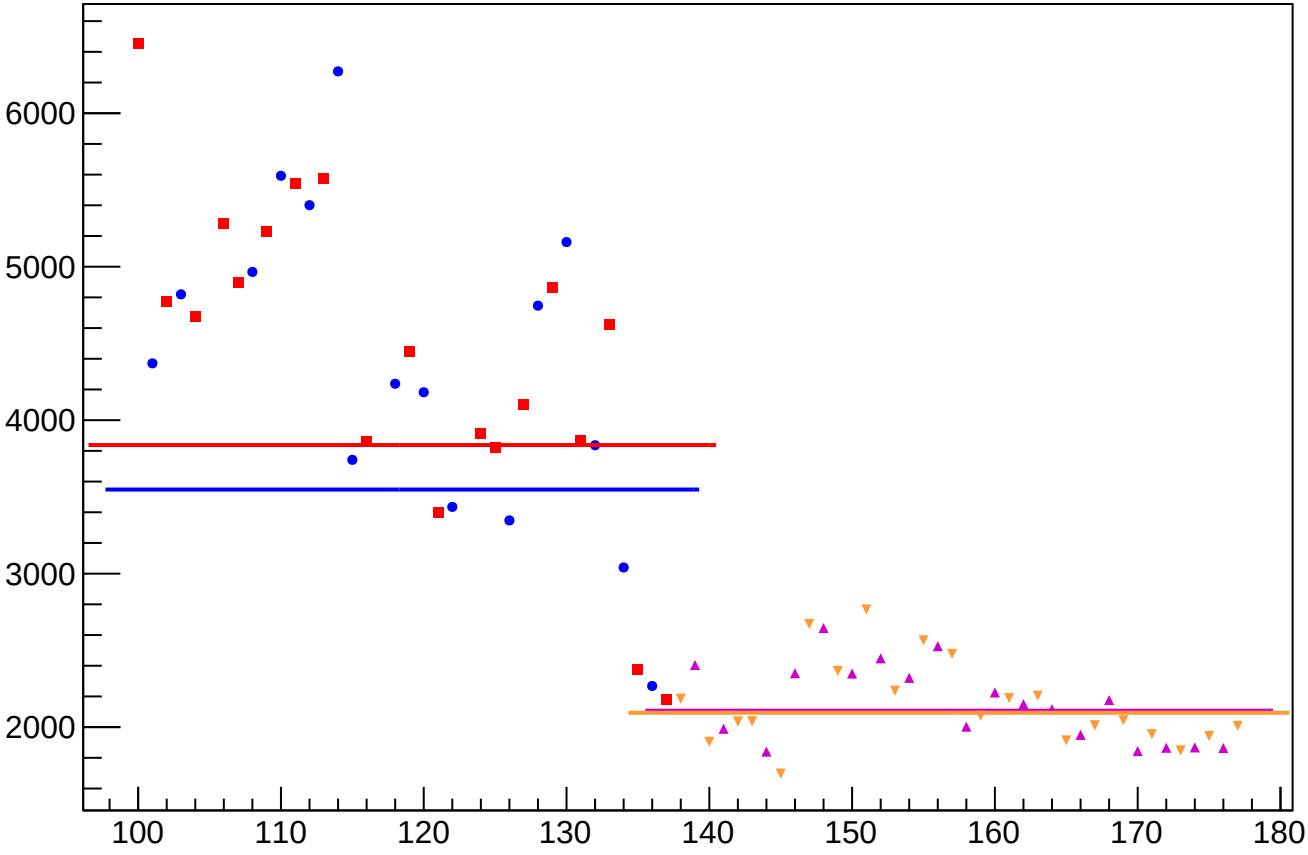
Left In: -301.616+/-539.290 χ^2/NDF:30.7/18

+ sign -1443.474+/-484.824 χ^2/NDF: 56.7/36

All: -932.418+/-350.040 χ^2/NDF: 104.5/74

- sign -375.937+/-505.912 χ^2/NDF: 45.5/37

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2093.438+/-0.366 χ^2/NDF:479282.1/20

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

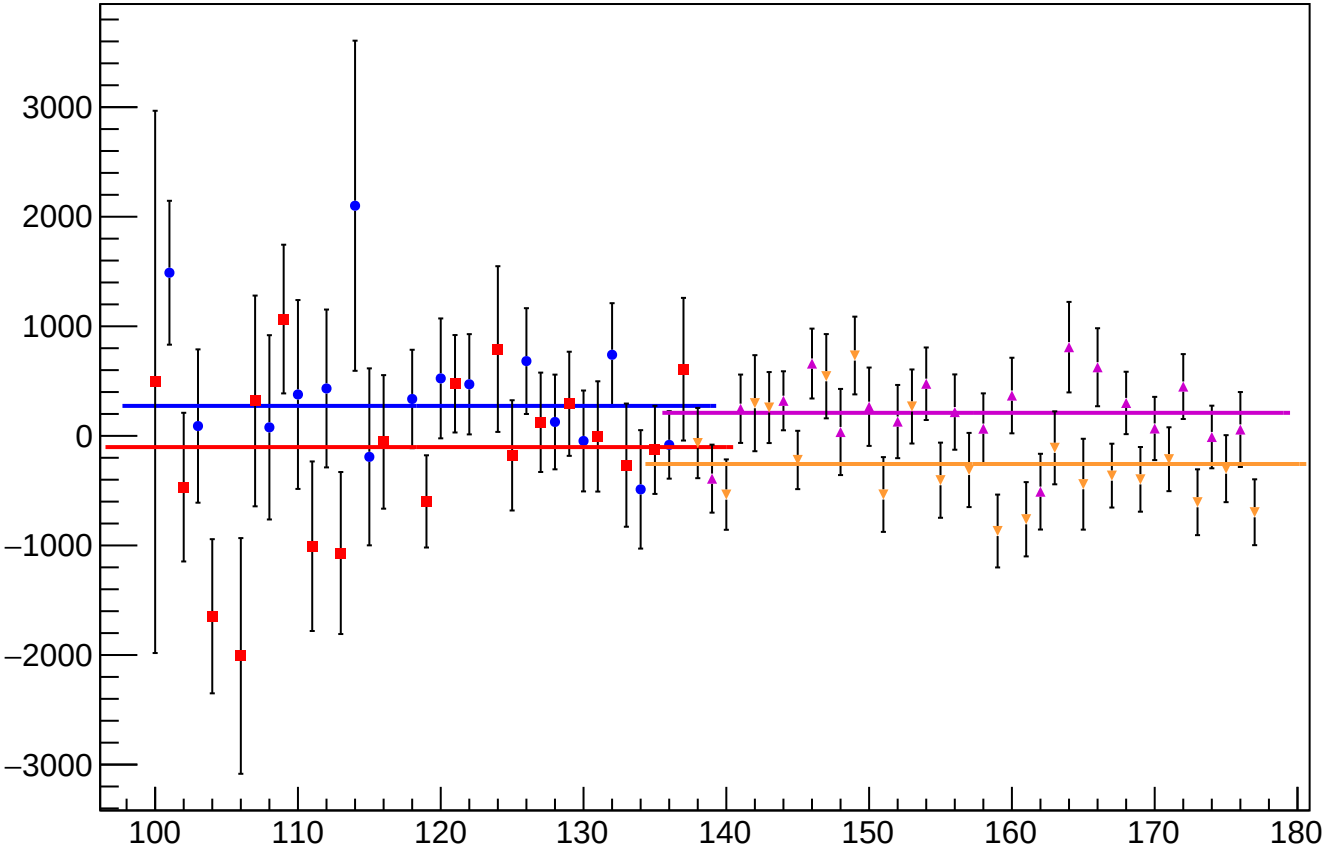
Left In: 2107.262+/-0.381 χ^2/NDF:400120.6/18

\+ sign 2271.895+/-0.343 χ^2/NDF: 3675392.3/36

All: 2292.466+/-0.248 χ^2/NDF: 7709706.7/74

\- sign 2314.867+/-0.358 χ^2/NDF: 4026792.7/37

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -256.617+/-71.062 χ^2/NDF:30.6/20

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

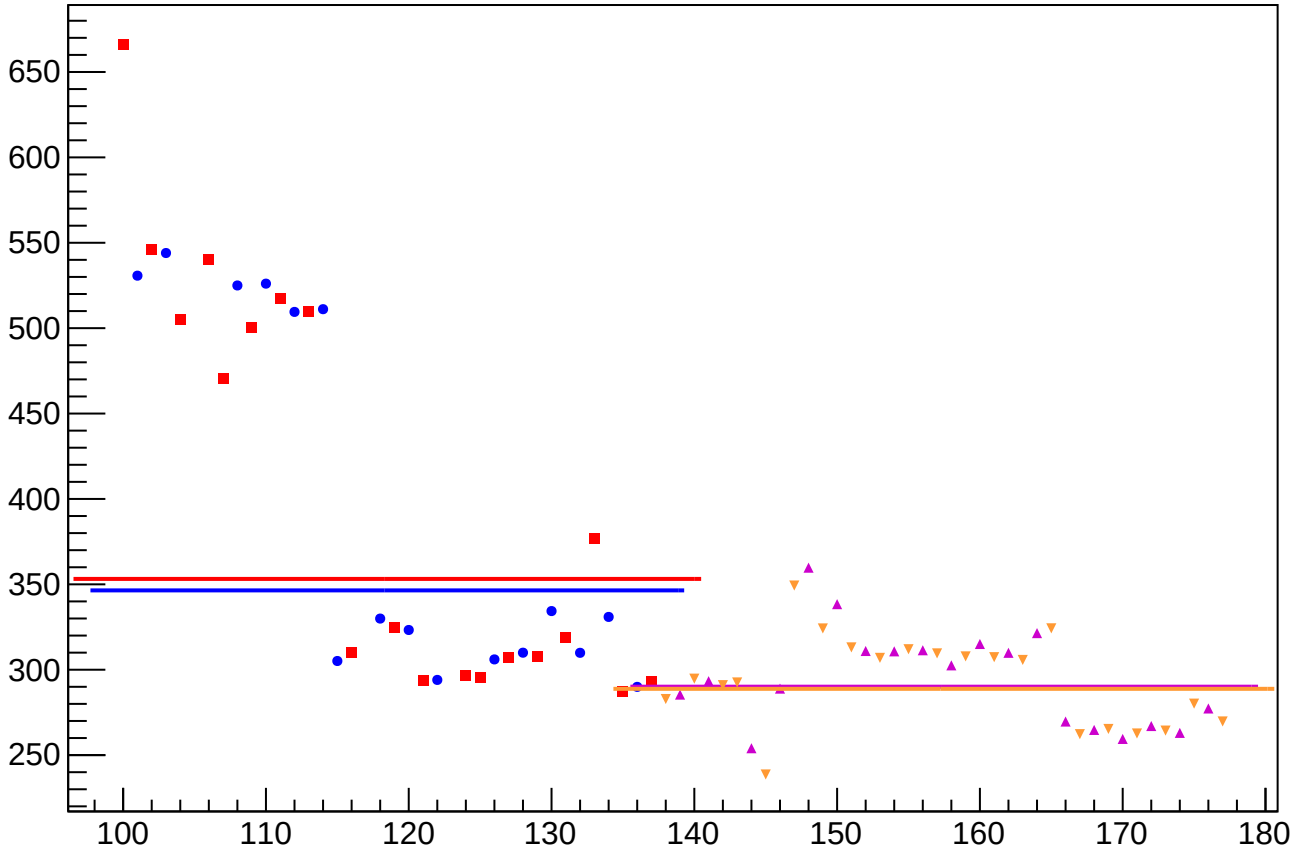
Left In: 210.277+/-74.156 χ^2/NDF:16.8/18

+ sign -138.231+/-62.628 χ^2/NDF: 54.4/36

All: -5.558+/-45.046 χ^2/NDF: 106.1/74

- sign 136.646+/-64.838 χ^2/NDF: 42.3/37

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 288.814+/-0.050 χ^2/NDF:275171.6/20

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

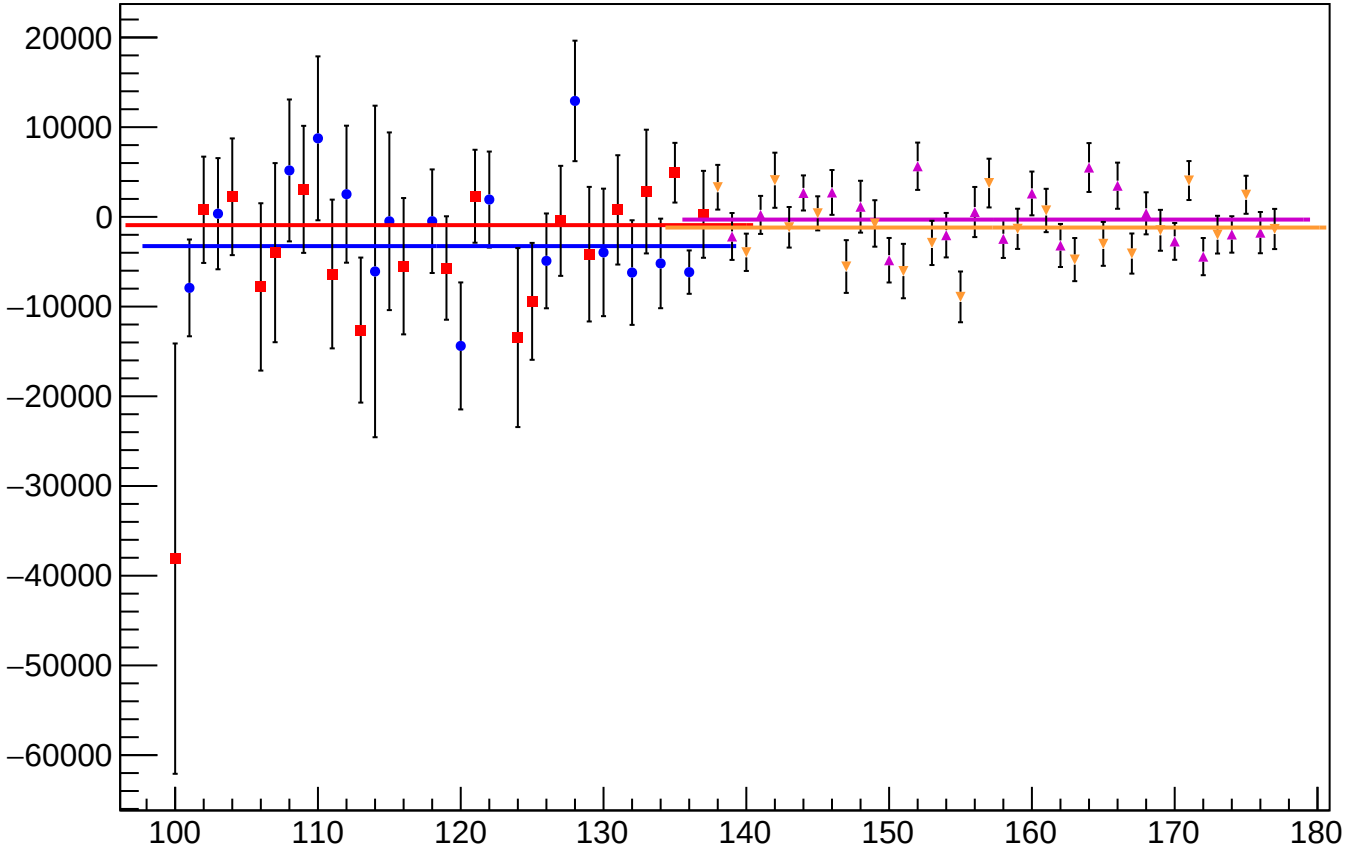
Left In: 290.070+/-0.052 χ^2/NDF:268548.2/18

+ sign 301.684+/-0.044 χ^2/NDF: 1337726.7/36

All: 303.252+/-0.032 χ^2/NDF: 2816340.6/74

- sign 304.932+/-0.046 χ^2/NDF: 1476017.1/37

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1189.601+/-517.616 χ^2/NDF:38.7/20

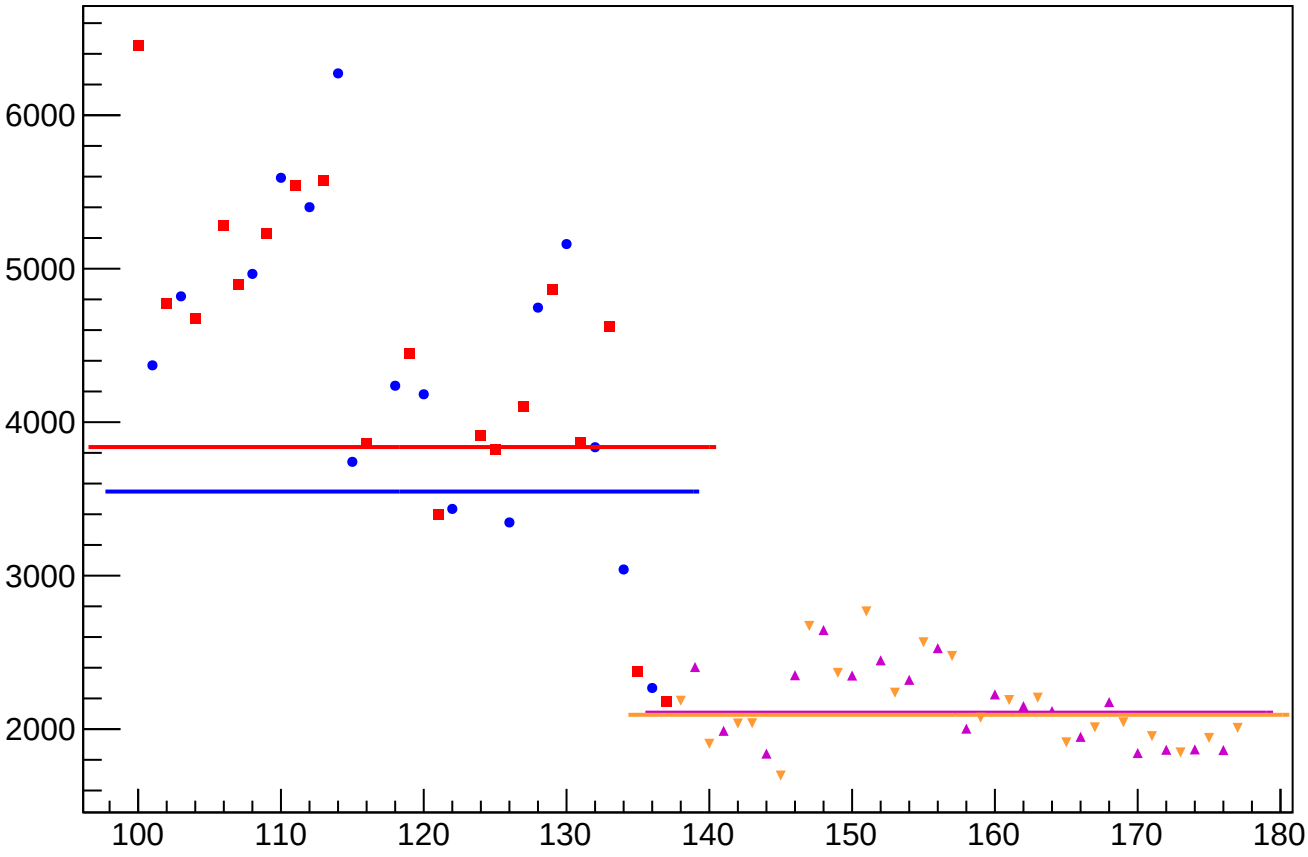
Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -301.616+/-539.290 χ^2/NDF:30.7/18

+ sign -1443.475+/-484.824 χ^2/NDF: 56.7/36

All: -932.419+/-350.040 χ^2/NDF: 104.5/74

- sign -375.937+/-505.912 χ^2/NDF: 45.5/37



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2093.438+/-0.366 χ^2/NDF:479286.1/20

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

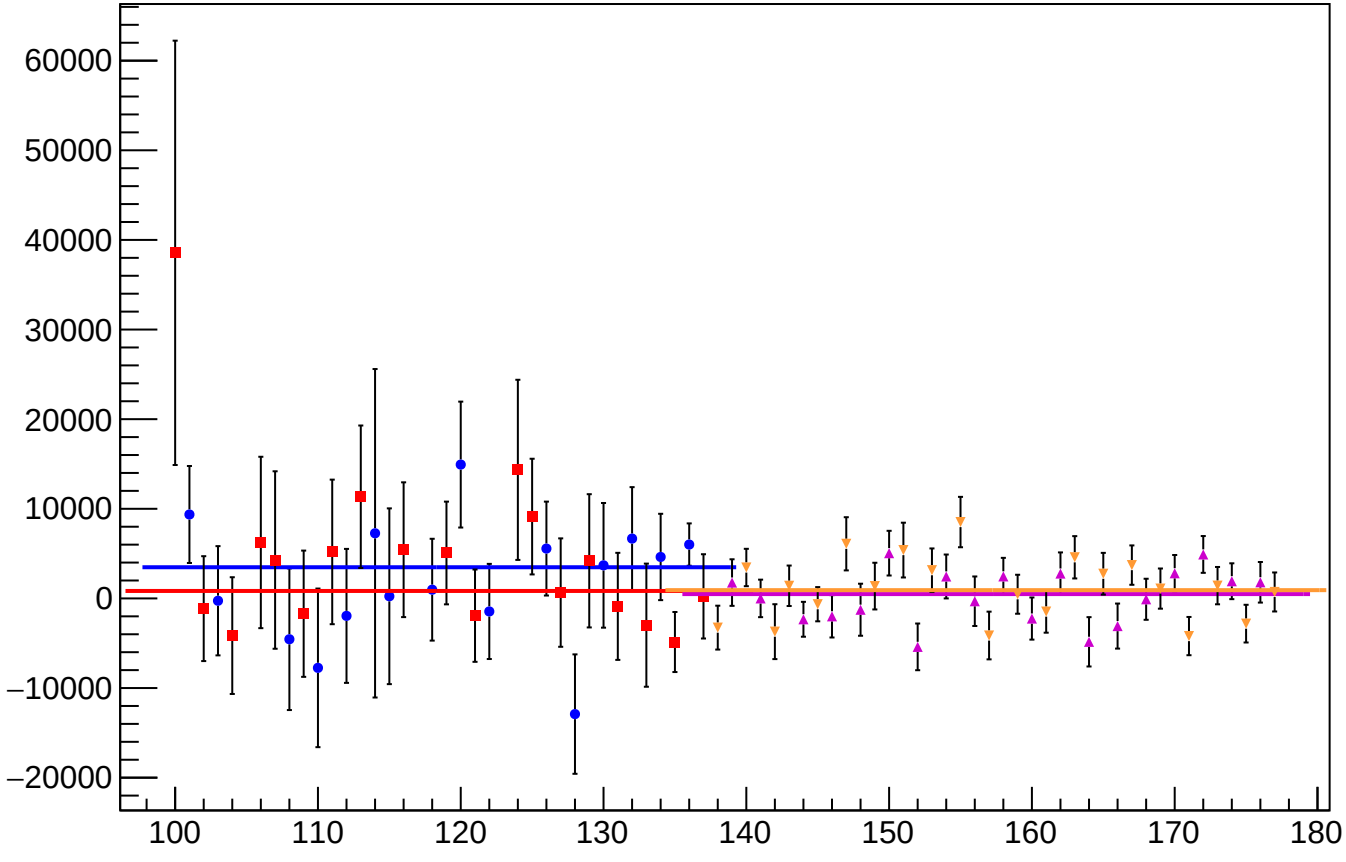
Left In: 2107.263+/-0.381 χ^2/NDF:400120.9/18

+ sign 2271.895+/-0.343 χ^2/NDF: 3675378.0/36

All: 2292.467+/-0.248 χ^2/NDF: 7709675.5/74

- sign 2314.867+/-0.358 χ^2/NDF: 4026775.8/37

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 921.953+/-511.042 χ^2/NDF:39.1/20

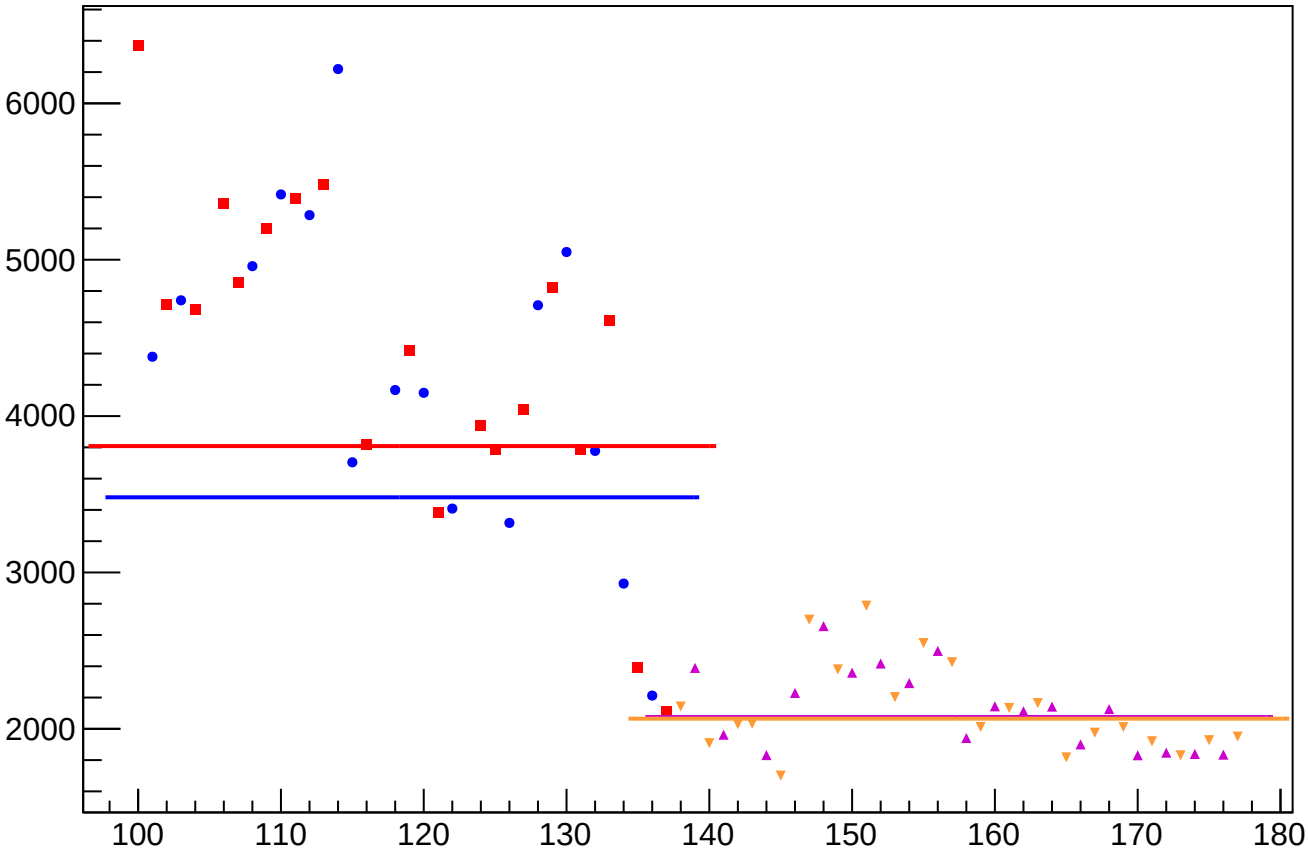
Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 483.690+/-531.265 χ^2/NDF:28.9/18

+ sign 1238.112+/-478.398 χ^2/NDF: 58.5/36

All: 896.454+/-345.273 χ^2/NDF: 102.5/74

- sign 525.000+/-498.823 χ^2/NDF: 42.9/37



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2065.031+/-0.361 χ^2/NDF:503302.9/20

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

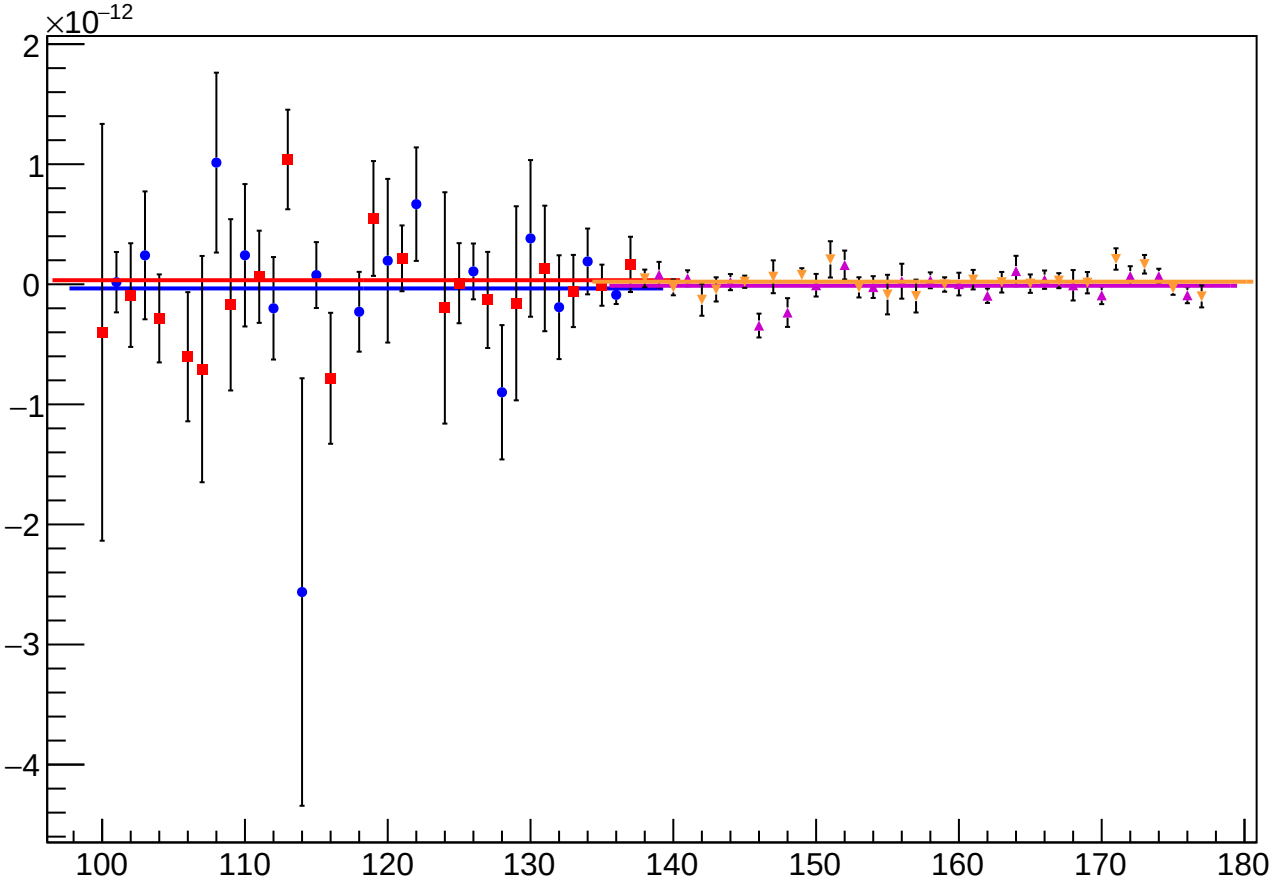
Left In: 2075.620+/-0.376 χ^2/NDF:404388.3/18

+ sign 2240.093+/-0.338 χ^2/NDF: 3697647.4/36

All: 2259.577+/-0.244 χ^2/NDF: 7774989.2/74

- sign 2280.759+/-0.353 χ^2/NDF: 4070418.1/37

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/20

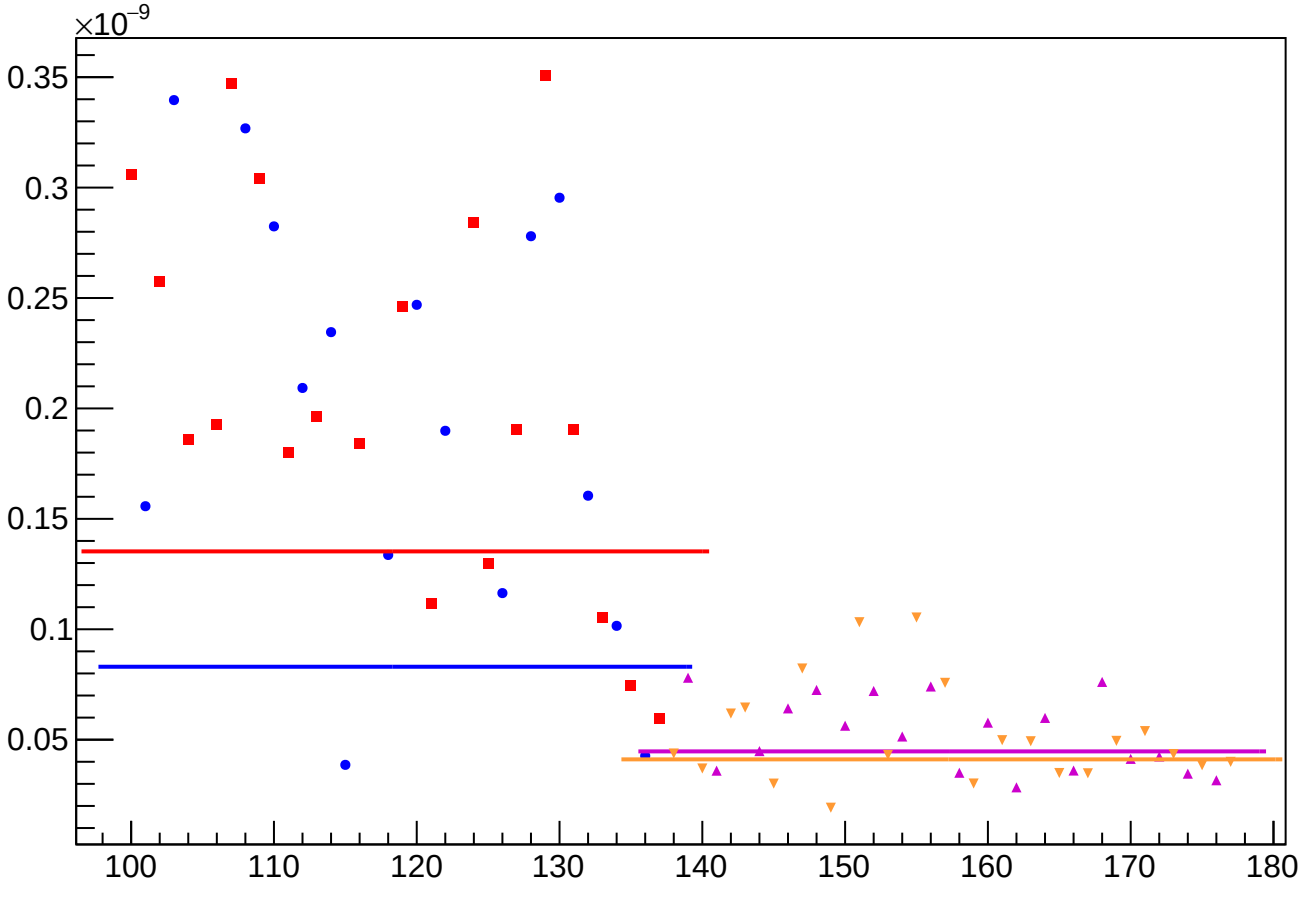
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: -0.000+/-0.000 χ^2/NDF:27.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/36

All: 0.000+/-0.000 χ^2/NDF: 72.8/74

- sign -0.000+/-0.000 χ^2/NDF: 41.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1726118.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

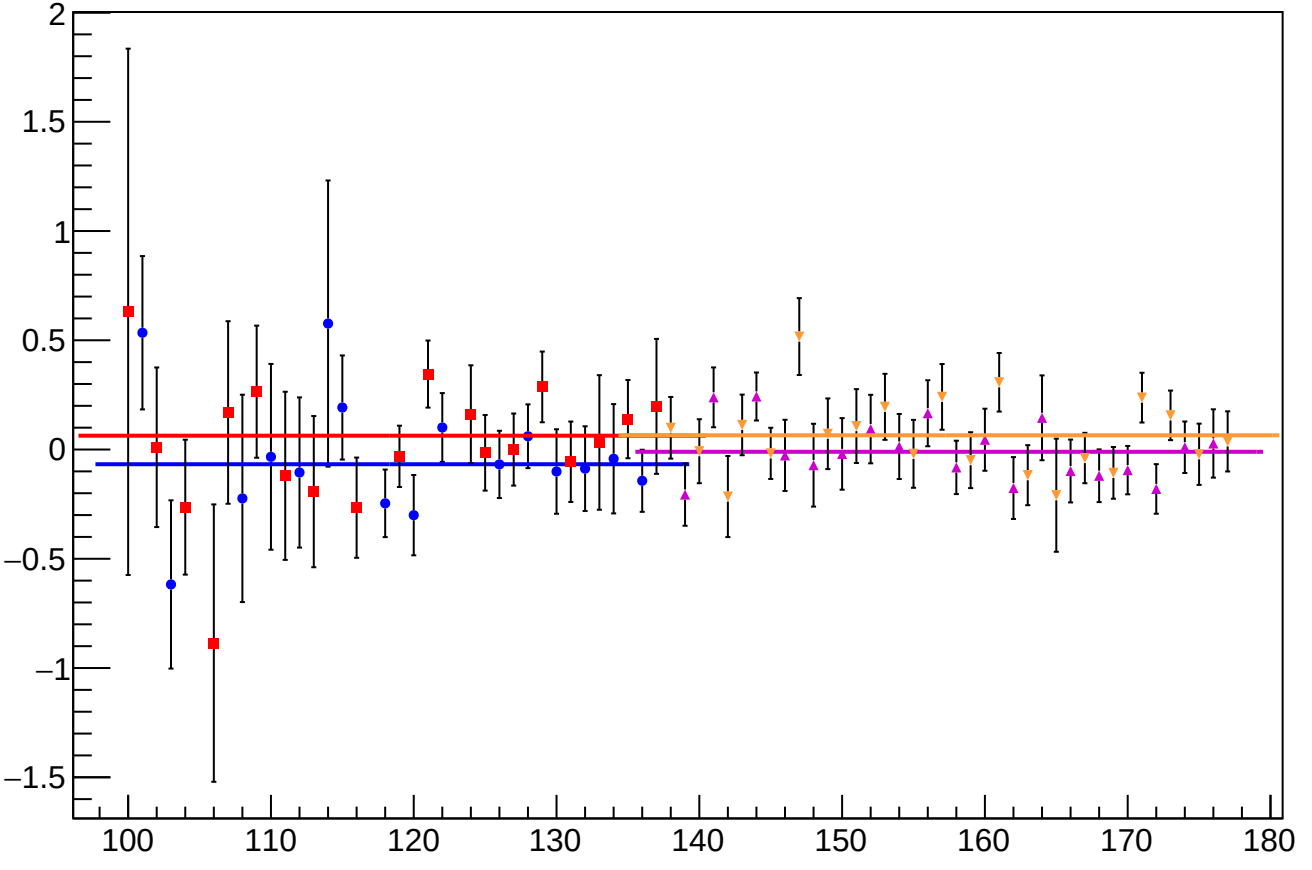
Left In: 0.000+/-0.000 χ^2/NDF:1179631.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 5316462.3/36

All: 0.000+/-0.000 χ^2/NDF: 10145262.6/74

- sign 0.000+/-0.000 χ^2/NDF: 4751786.8/37

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

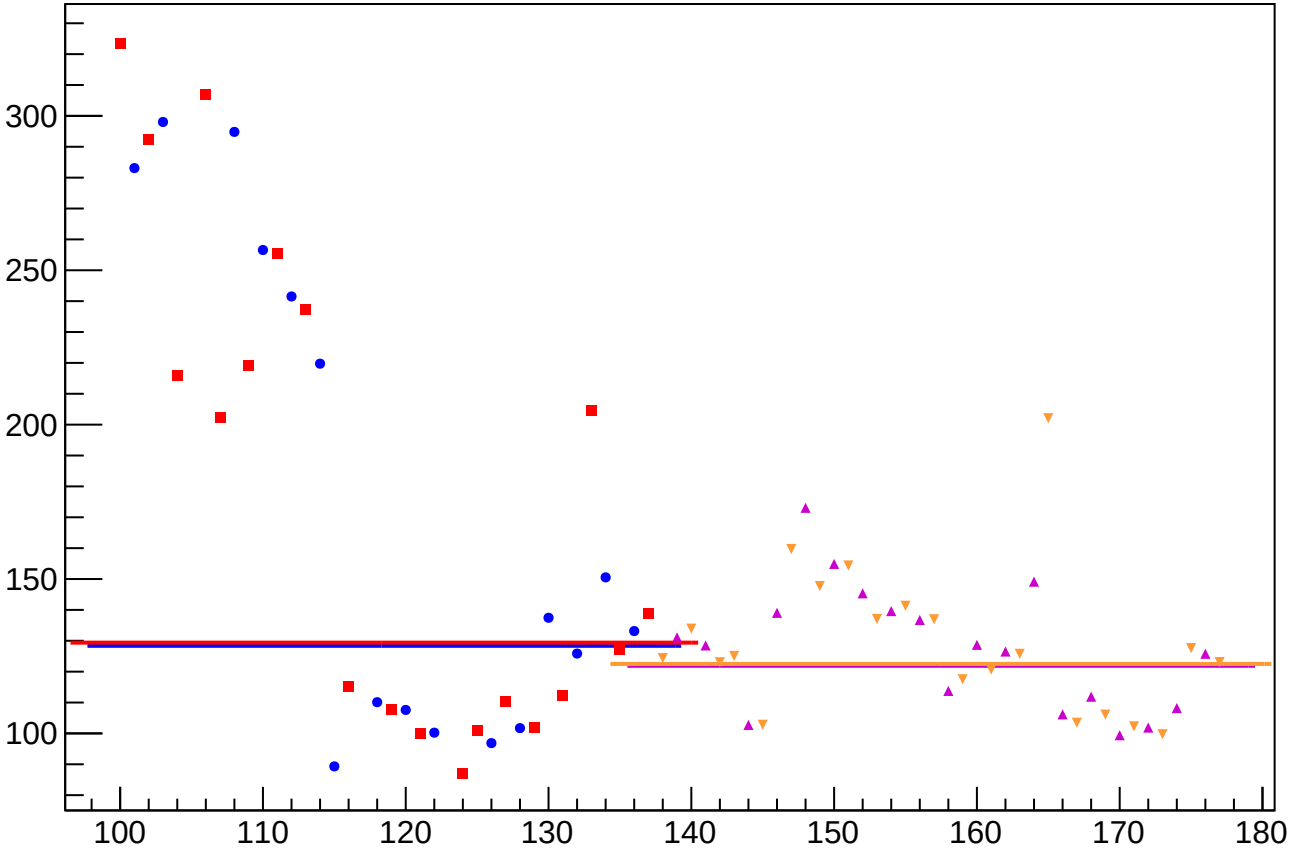
Left In: -0.010+/-0.032 χ^2/NDF:19.1/18

+ sign 0.031+/-0.026 χ^2/NDF: 42.8/36

All: 0.021+/-0.019 χ^2/NDF: 77.7/74

- sign 0.010+/-0.027 χ^2/NDF: 34.6/37

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.502+/-0.022 χ^2/NDF:778424.2/20

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

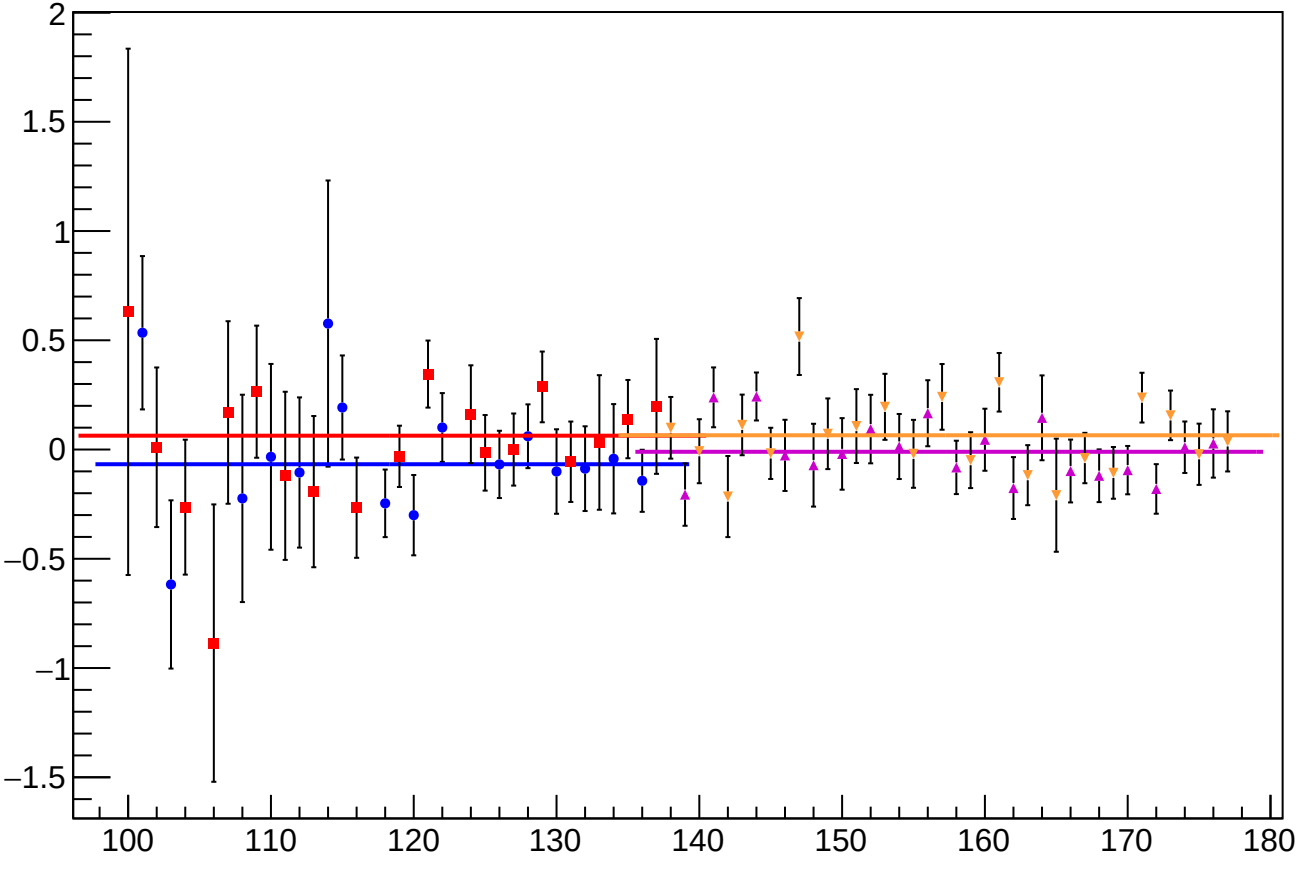
Left In: 121.897+/-0.022 χ^2/NDF:681213.9/18

\+ sign 124.016+/-0.019 χ^2/NDF: 2602644.0/36

All: 123.981+/-0.013 χ^2/NDF: 5202857.3/74

\- sign 123.943+/-0.019 χ^2/NDF: 2600205.9/37

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

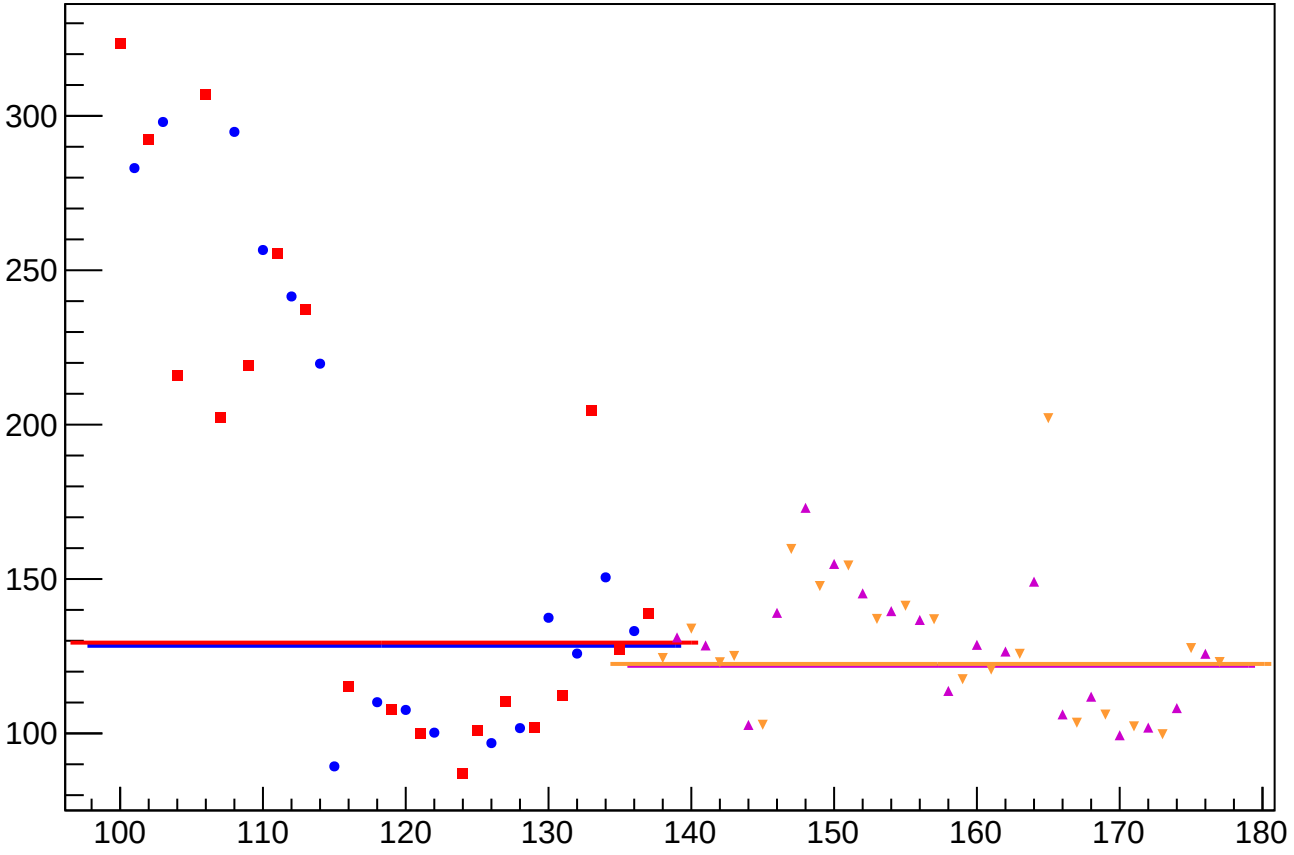
Left In: -0.010+/-0.032 χ^2/NDF:19.1/18

+ sign 0.031+/-0.026 χ^2/NDF: 42.8/36

All: 0.021+/-0.019 χ^2/NDF: 77.7/74

- sign 0.010+/-0.027 χ^2/NDF: 34.6/37

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.502+/-0.022 χ^2/NDF:778424.2/20

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

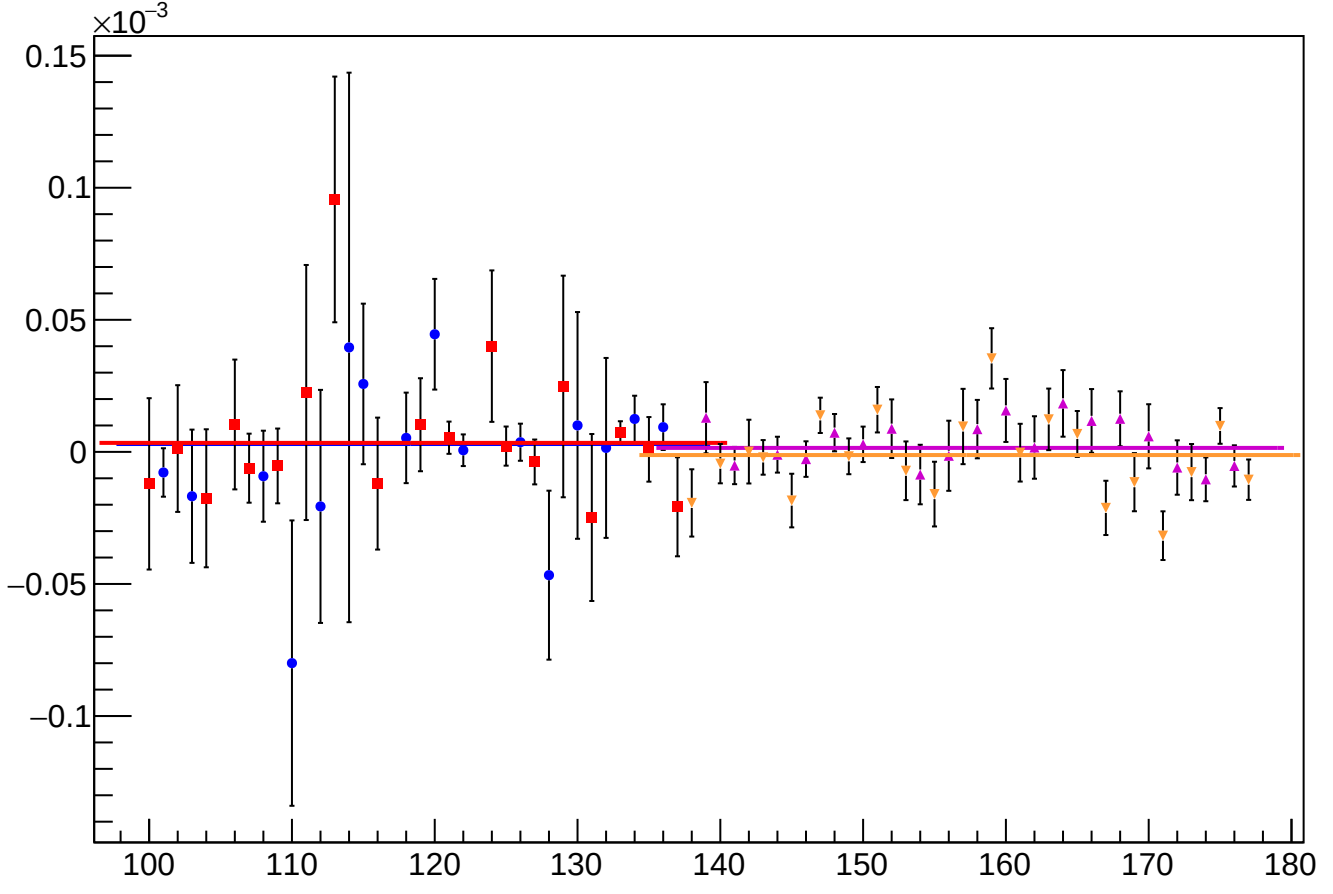
Left In: 121.897+/-0.022 χ^2/NDF:681213.9/18

+ sign 124.016+/-0.019 χ^2/NDF: 2602644.0/36

All: 123.981+/-0.013 χ^2/NDF: 5202857.3/74

- sign 123.943+/-0.019 χ^2/NDF: 2600205.9/37

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

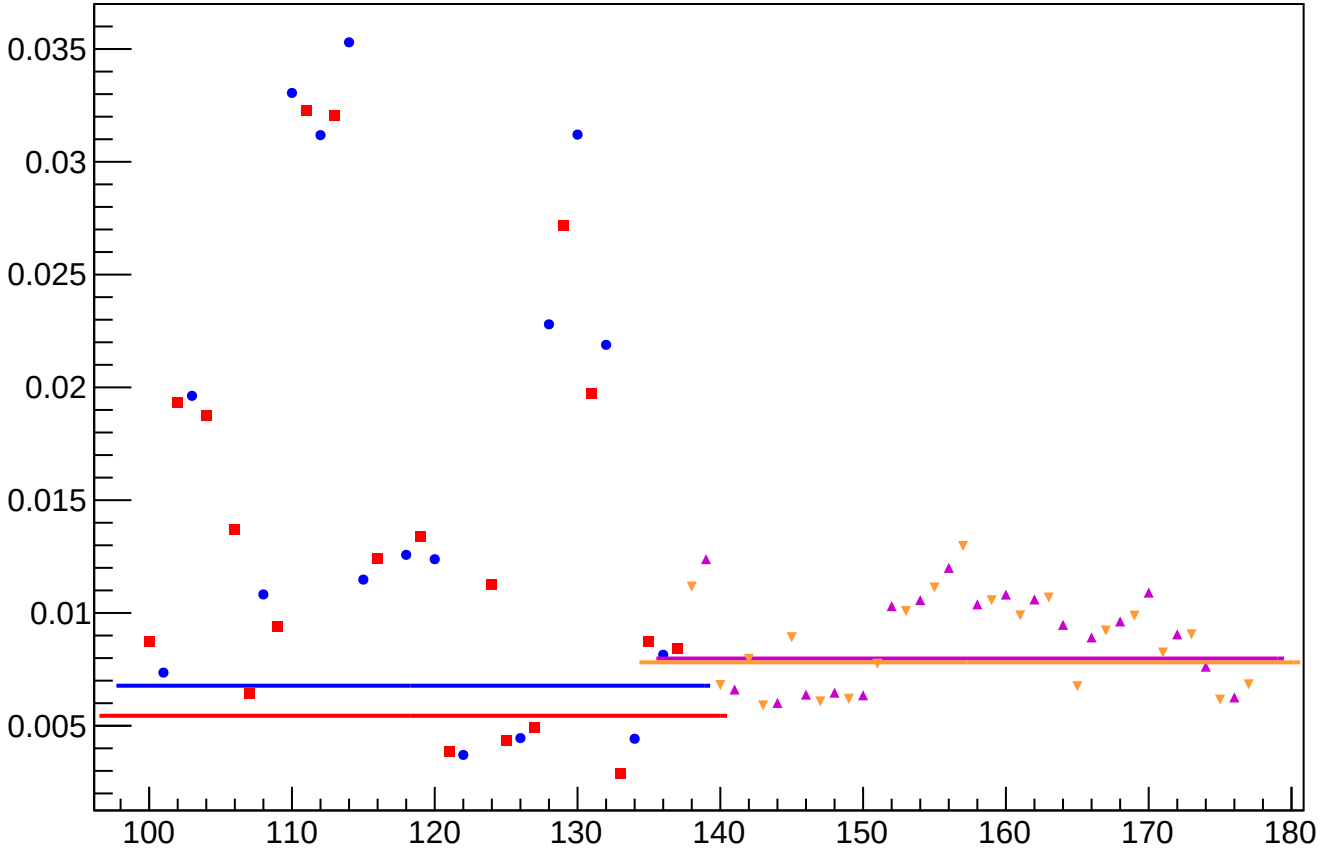
Left In: 0.000+/-0.000 χ^2/NDF:13.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 64.5/36

All: 0.000+/-0.000 χ^2/NDF: 91.4/74

- sign 0.000+/-0.000 χ^2/NDF: 26.0/37

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:1741851.1/20

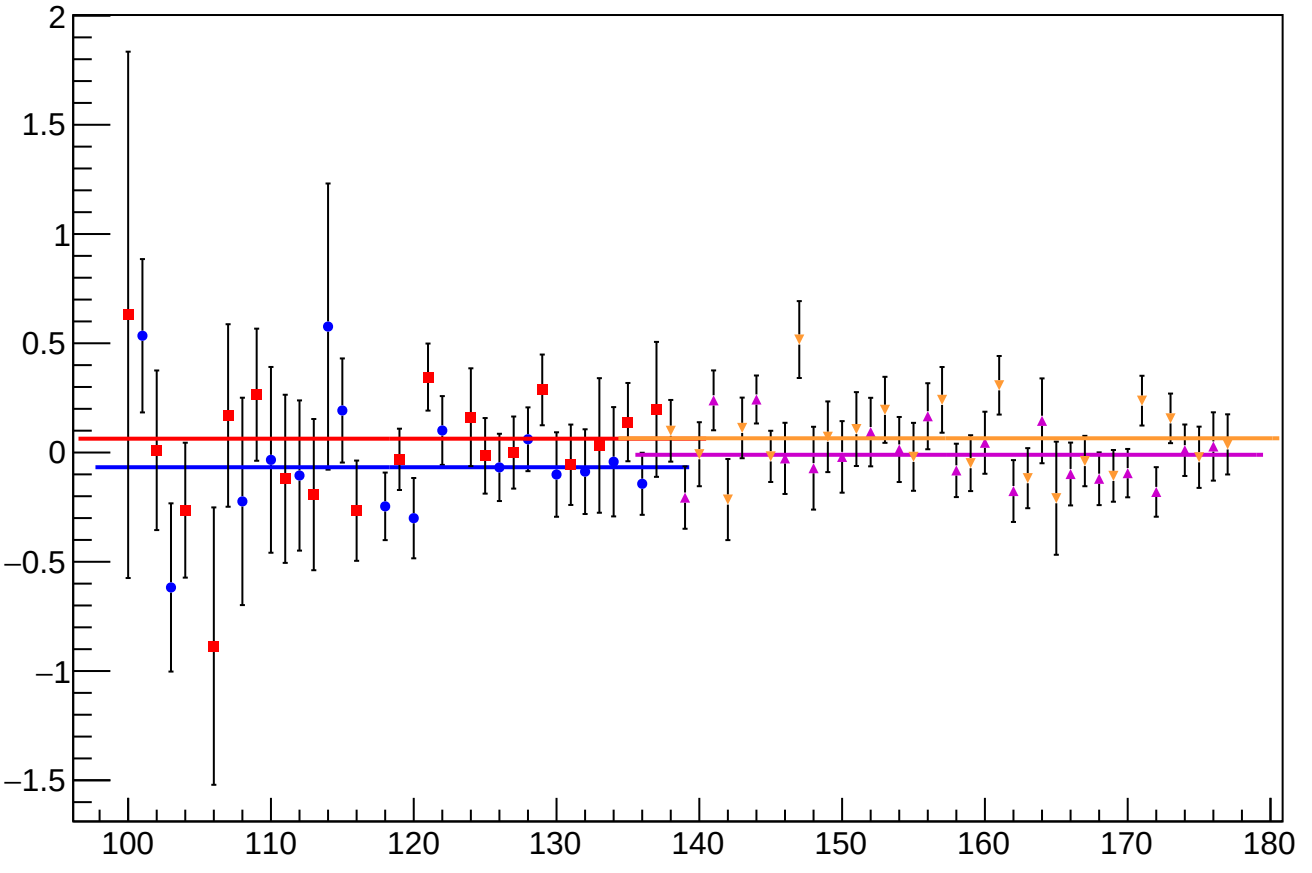
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1791714.7/18

+ sign 0.008+/-0.000 χ^2/NDF: 6669833.9/36

All: 0.007+/-0.000 χ^2/NDF: 15295444.8/74

- sign 0.007+/-0.000 χ^2/NDF: 8517312.9/37



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

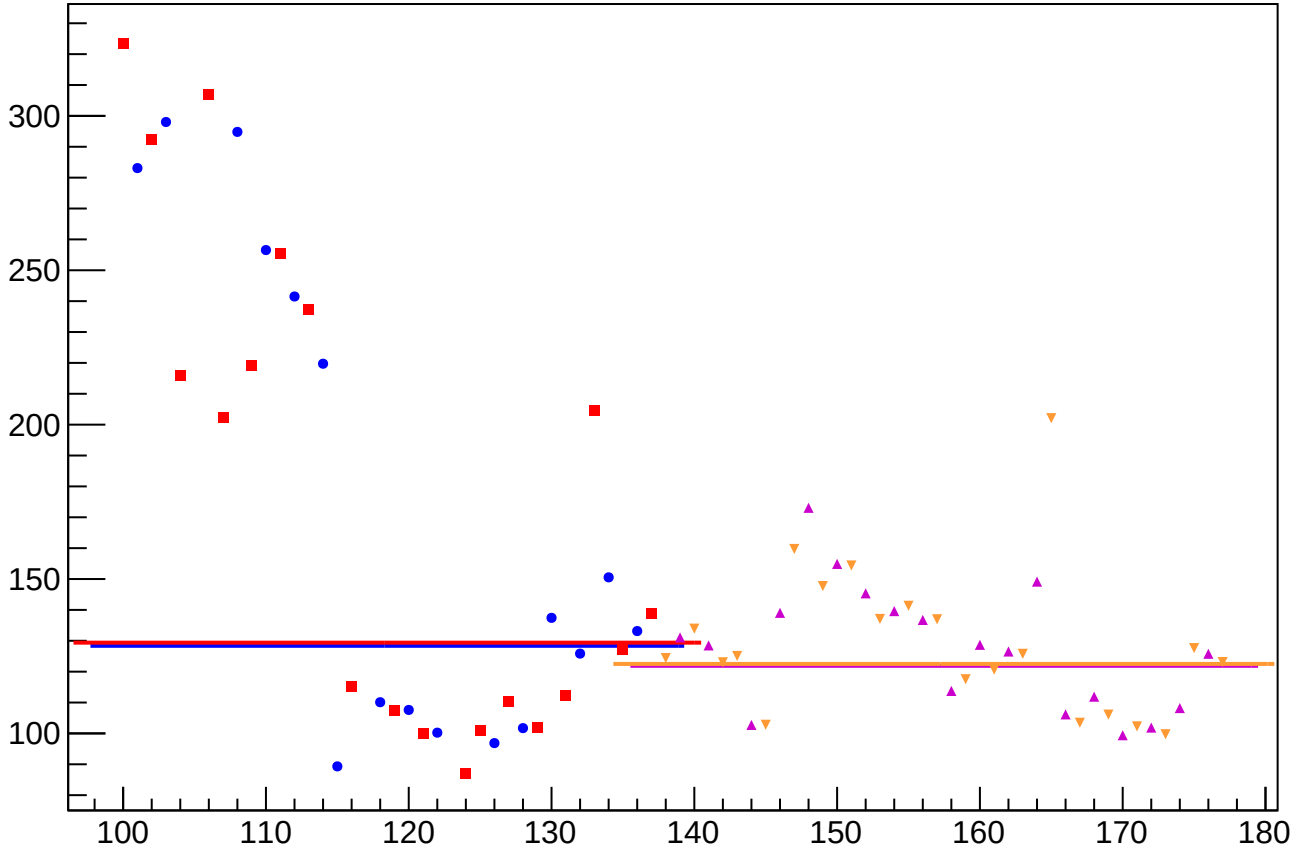
Left In: -0.010+/-0.032 χ^2/NDF:19.1/18

+ sign 0.031+/-0.026 χ^2/NDF: 42.8/36

All: 0.021+/-0.019 χ^2/NDF: 77.7/74

- sign 0.010+/-0.027 χ^2/NDF: 34.6/37

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.502+/-0.022 χ^2/NDF:778470.1/20

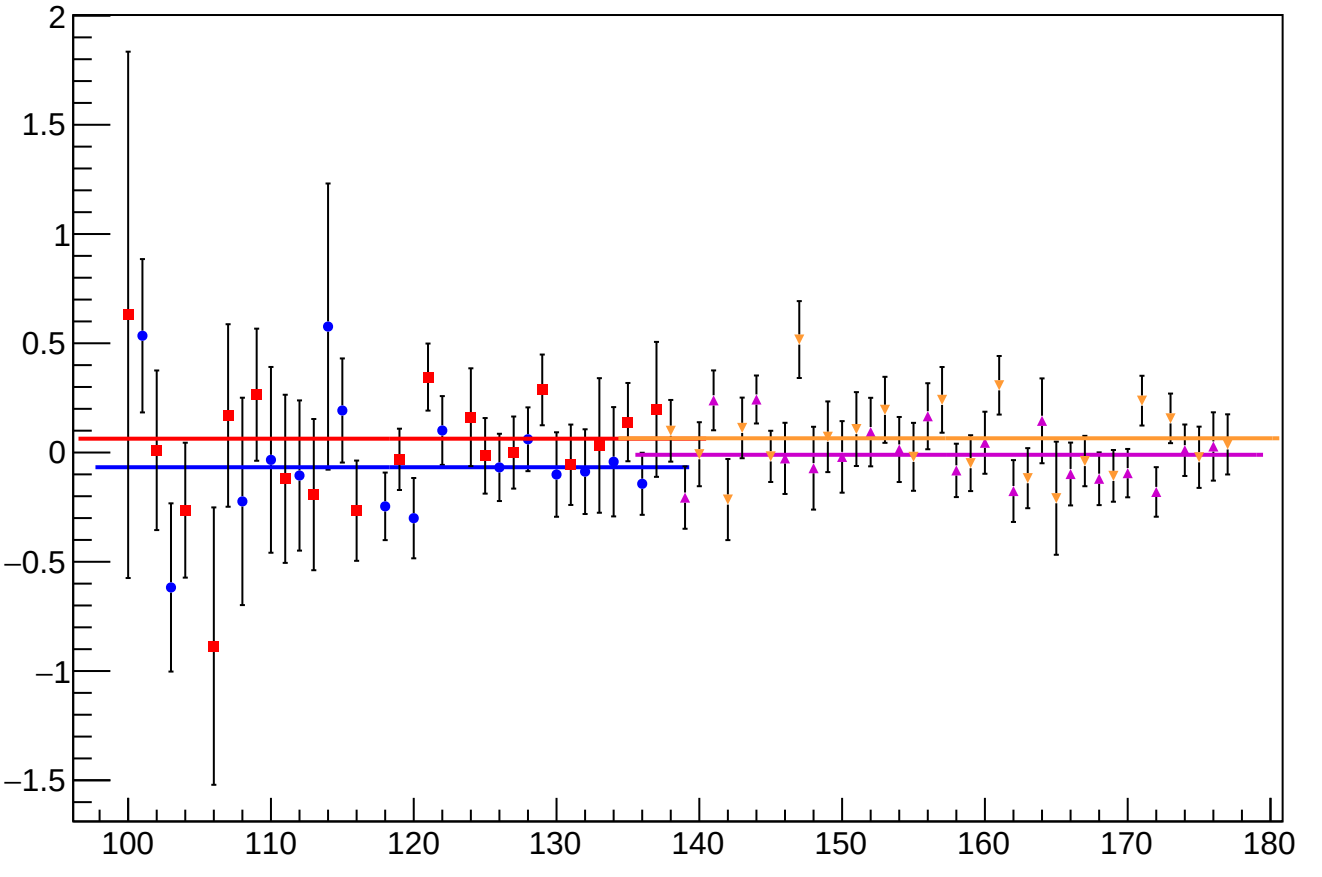
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.896+/-0.022 χ^2/NDF:681239.9/18

+ sign 124.015+/-0.019 χ^2/NDF: 2602620.6/36

All: 123.980+/-0.013 χ^2/NDF: 5202838.8/74

- sign 123.943+/-0.019 χ^2/NDF: 2600210.7/37



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

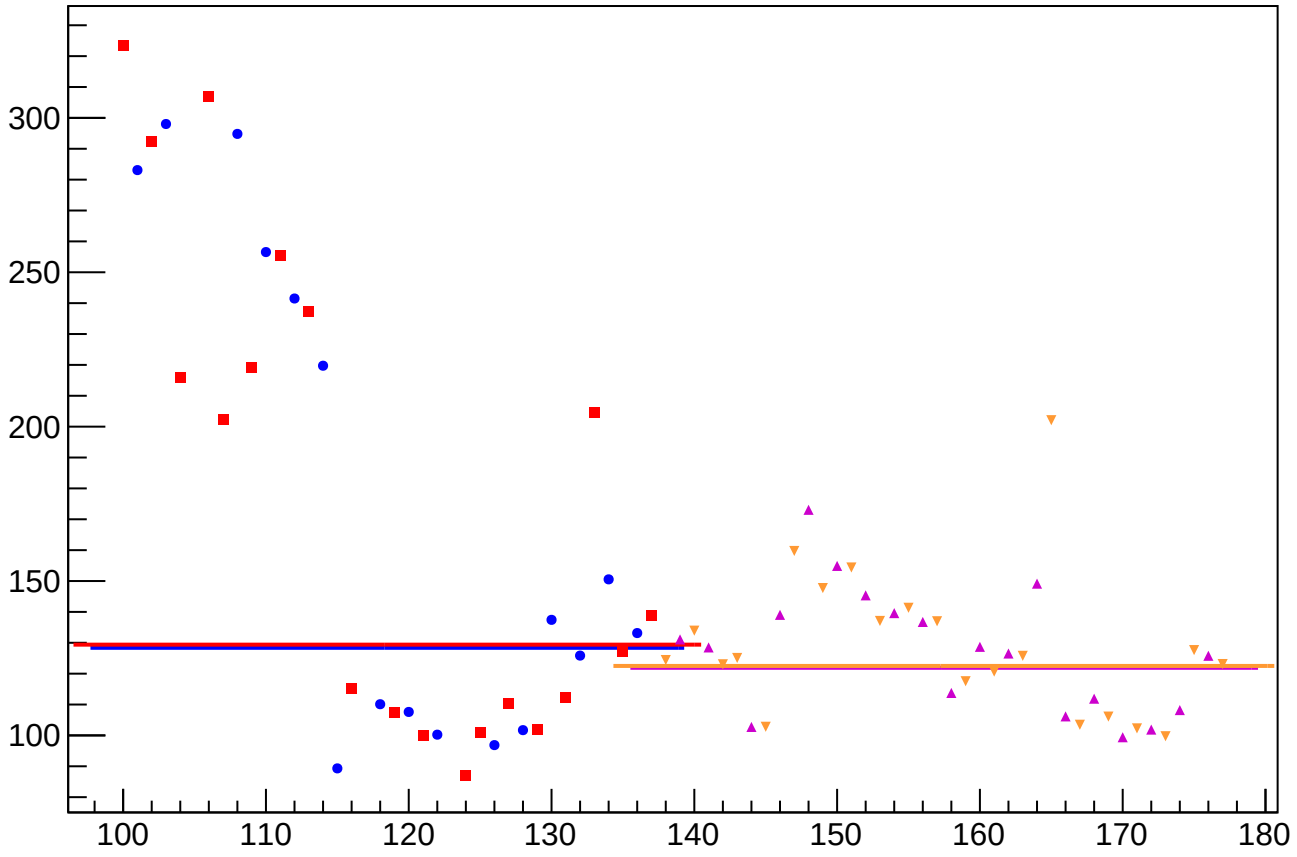
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.010+/-0.032 χ^2/NDF:19.1/18

+ sign 0.031+/-0.026 χ^2/NDF: 42.8/36

All: 0.021+/-0.019 χ^2/NDF: 77.7/74

- sign 0.010+/-0.027 χ^2/NDF: 34.6/37



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.502+/-0.022 χ^2/NDF:778470.1/20

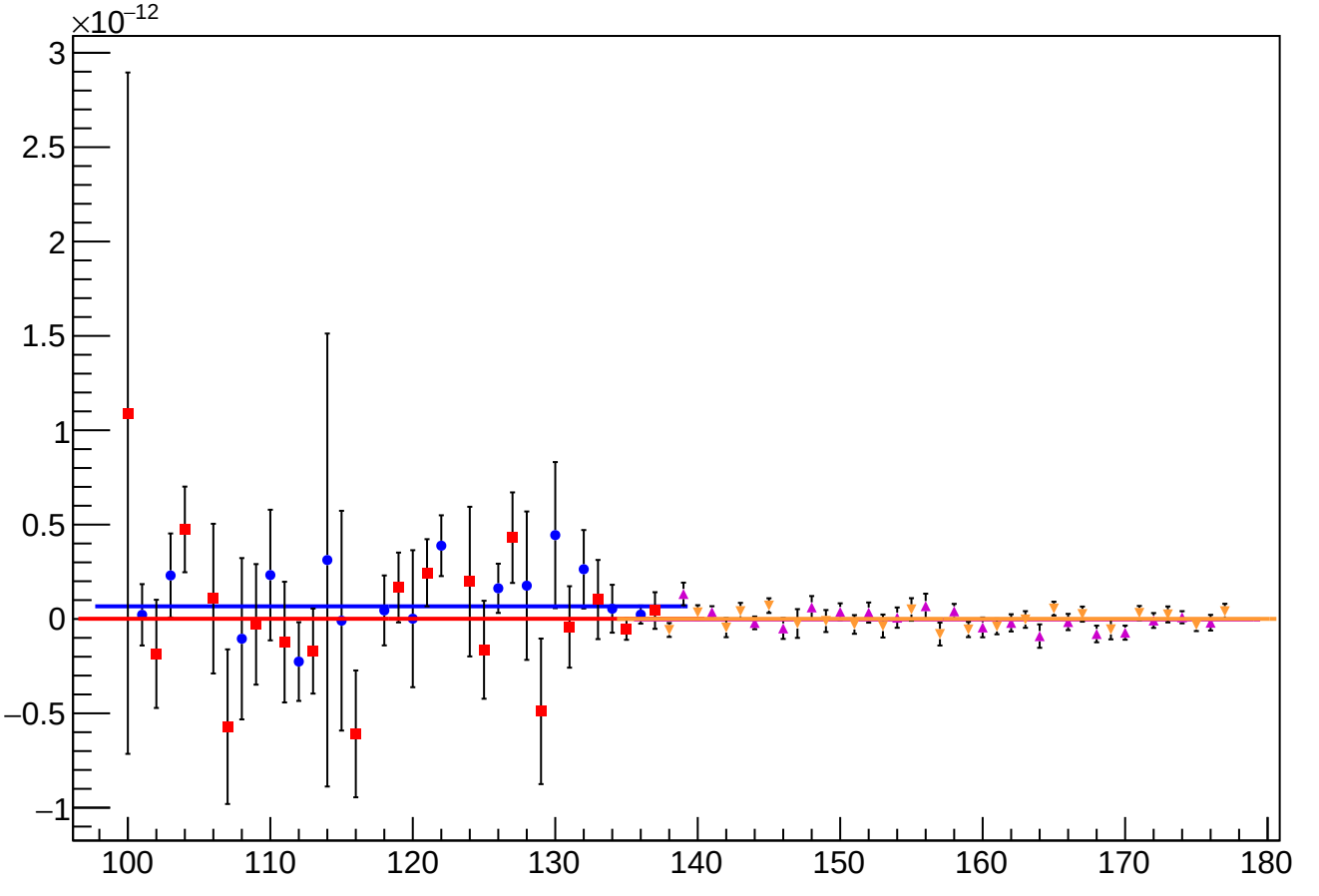
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.896+/-0.022 χ^2/NDF:681239.9/18

+ sign 124.015+/-0.019 χ^2/NDF: 2602620.6/36

All: 123.980+/-0.013 χ^2/NDF: 5202838.8/74

- sign 123.943+/-0.019 χ^2/NDF: 2600210.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

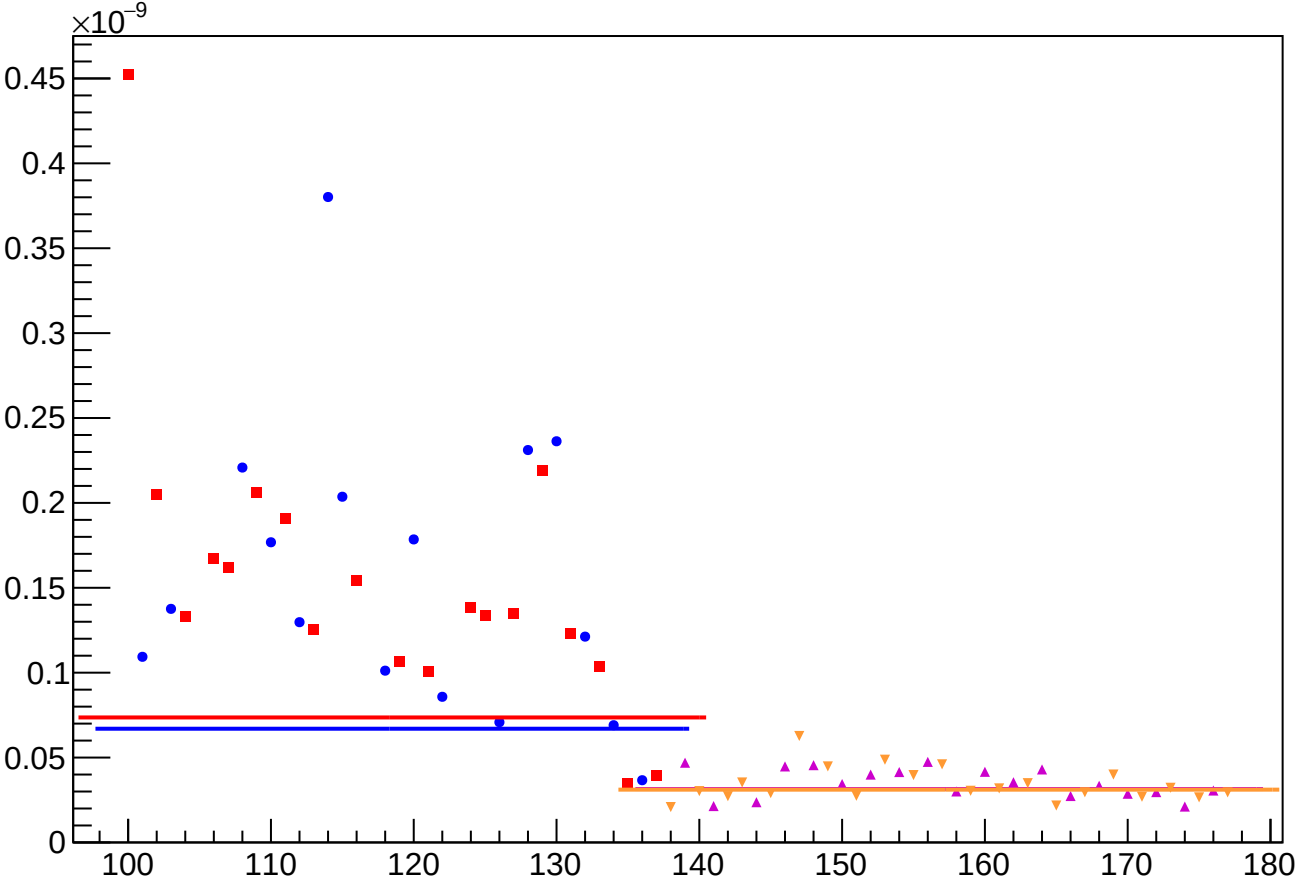
Left In: -0.000+/-0.000 χ^2/NDF:22.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/36

All: 0.000+/-0.000 χ^2/NDF: 77.8/74

- sign -0.000+/-0.000 χ^2/NDF: 42.8/37

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262027.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

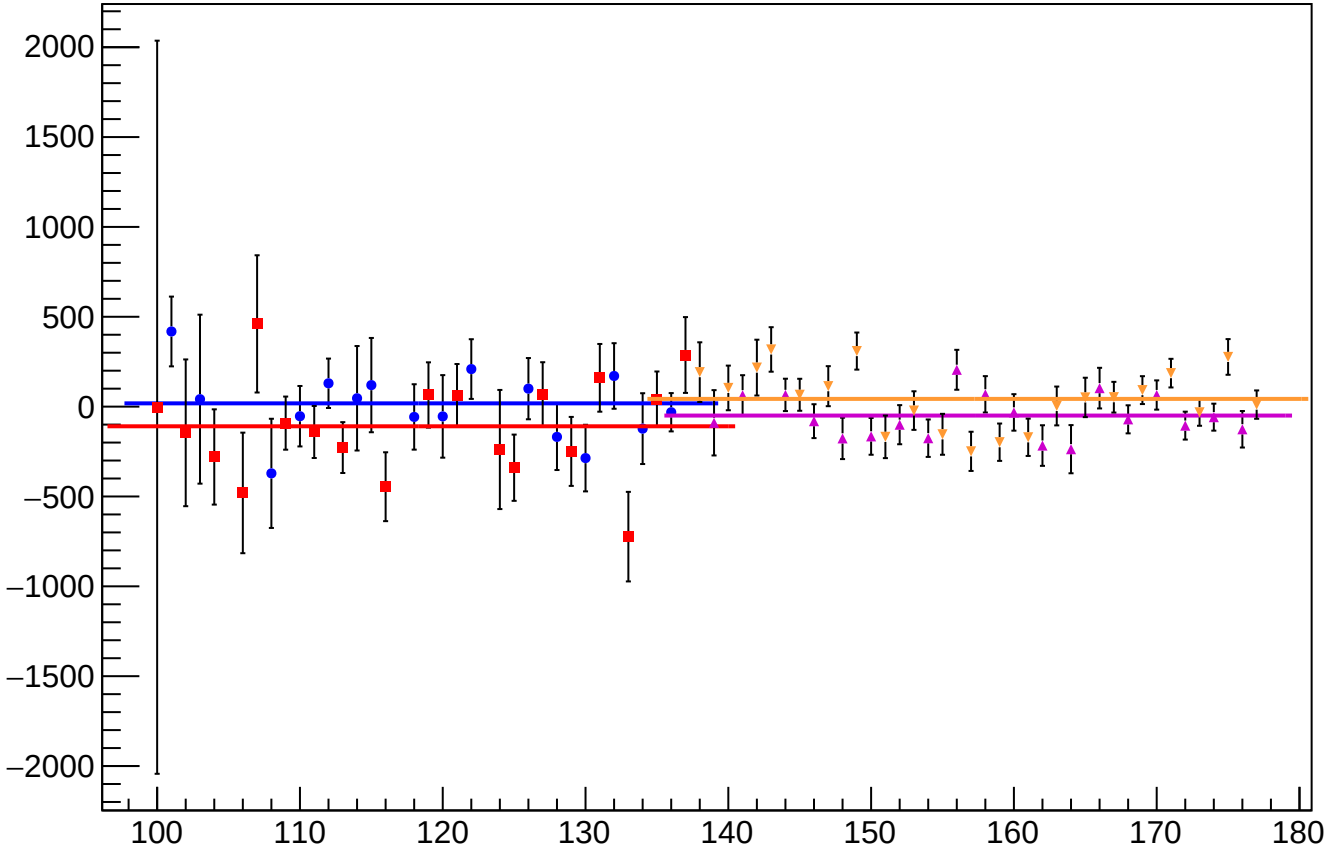
Left In: 0.000+/-0.000 χ^2/NDF:1317936.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 6288144.4/36

All: 0.000+/-0.000 χ^2/NDF: 13414799.7/74

- sign 0.000+/-0.000 χ^2/NDF: 7122660.5/37

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 43.024+/-21.907 χ^2/NDF:48.2/20

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

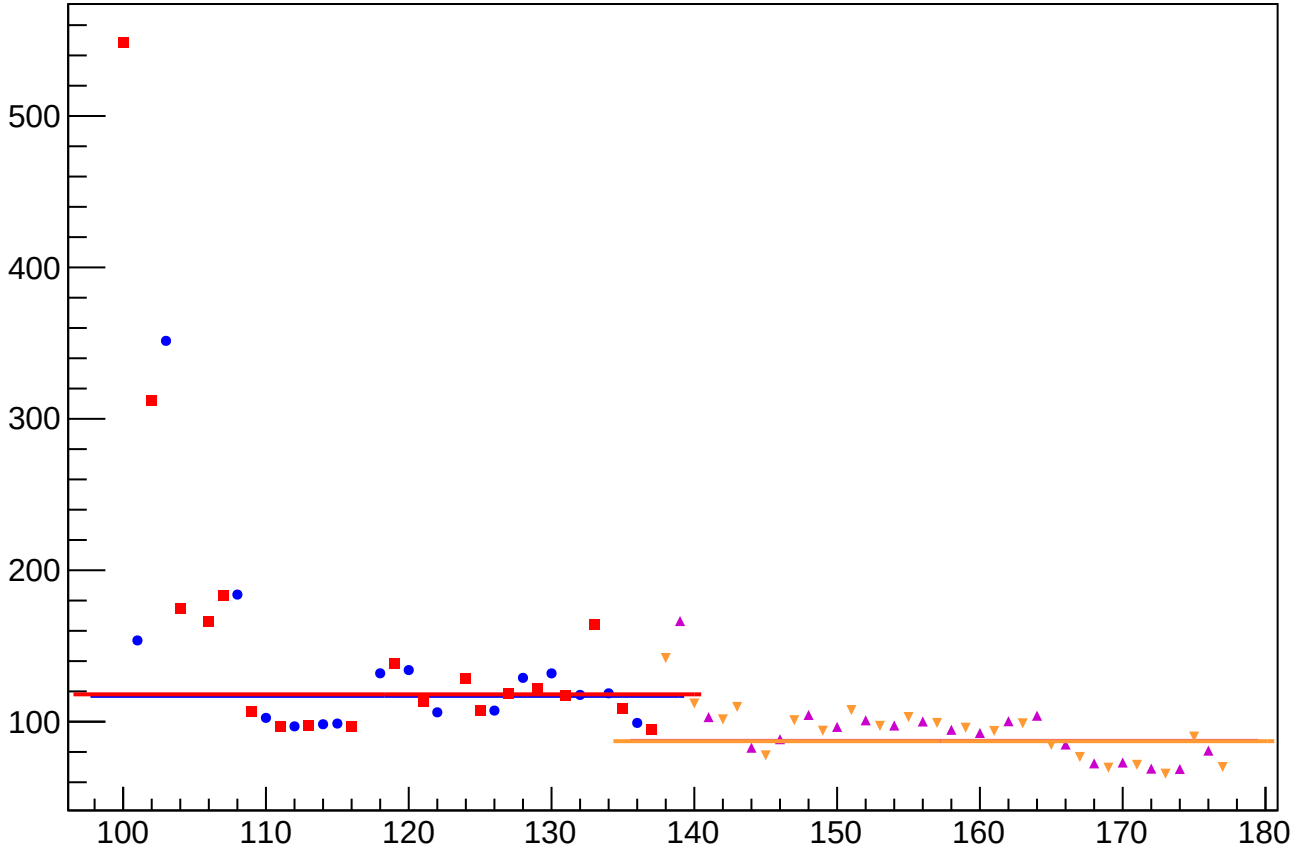
Left In: -49.750+/-22.722 χ^2/NDF:22.7/18

+ sign 38.387+/-19.755 χ^2/NDF: 62.3/36

All: -10.071+/-14.177 χ^2/NDF: 124.2/74

- sign -61.528+/-20.357 χ^2/NDF: 49.6/37

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 87.124+/-0.015 χ^2/NDF:1103261.1/20

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

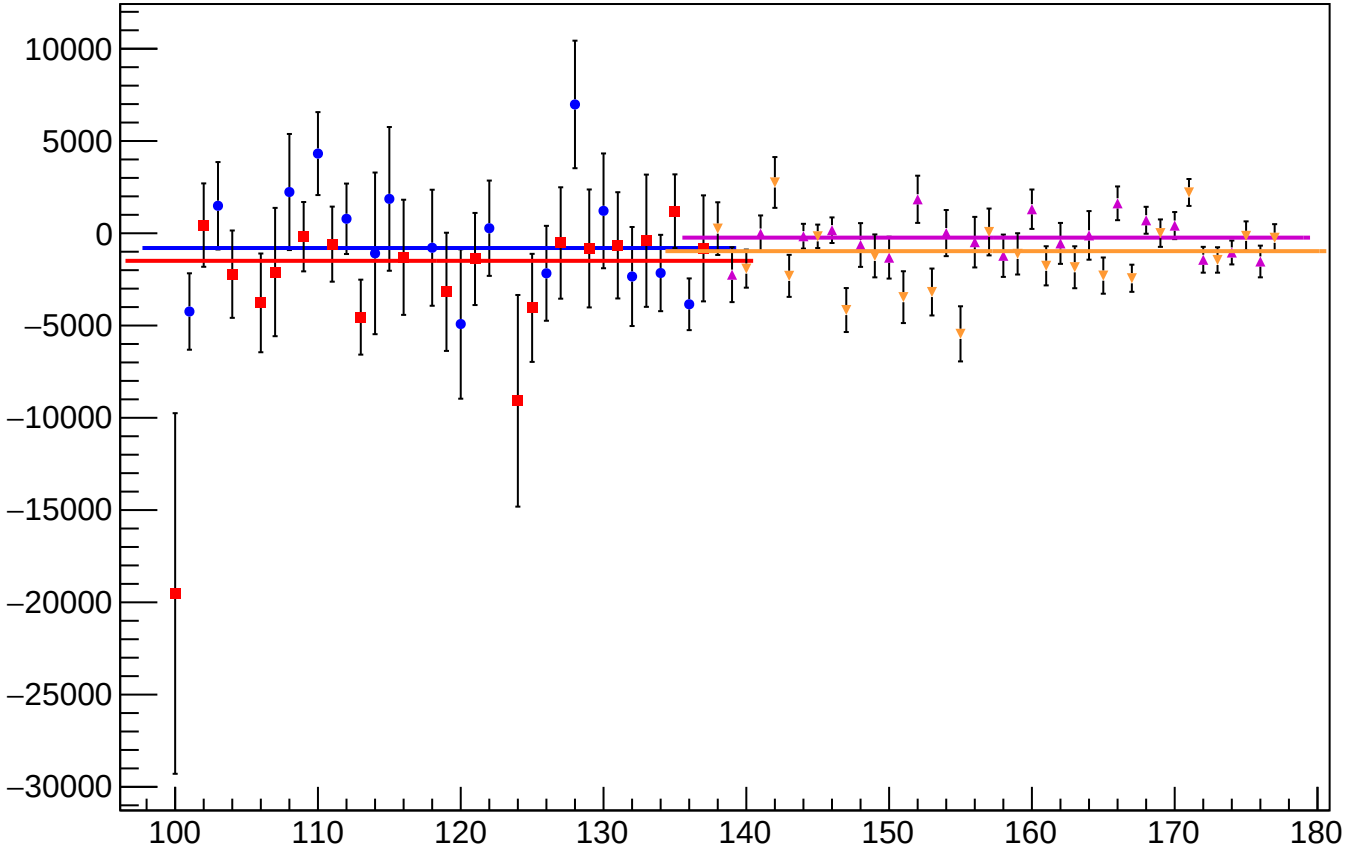
Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

+ sign 92.718+/-0.014 χ^2/NDF: 2659504.1/36

All: 93.035+/-0.010 χ^2/NDF: 5384739.4/74

- sign 93.373+/-0.014 χ^2/NDF: 2724168.0/37

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -969.038+/-206.624 χ^2/NDF:65.2/20

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

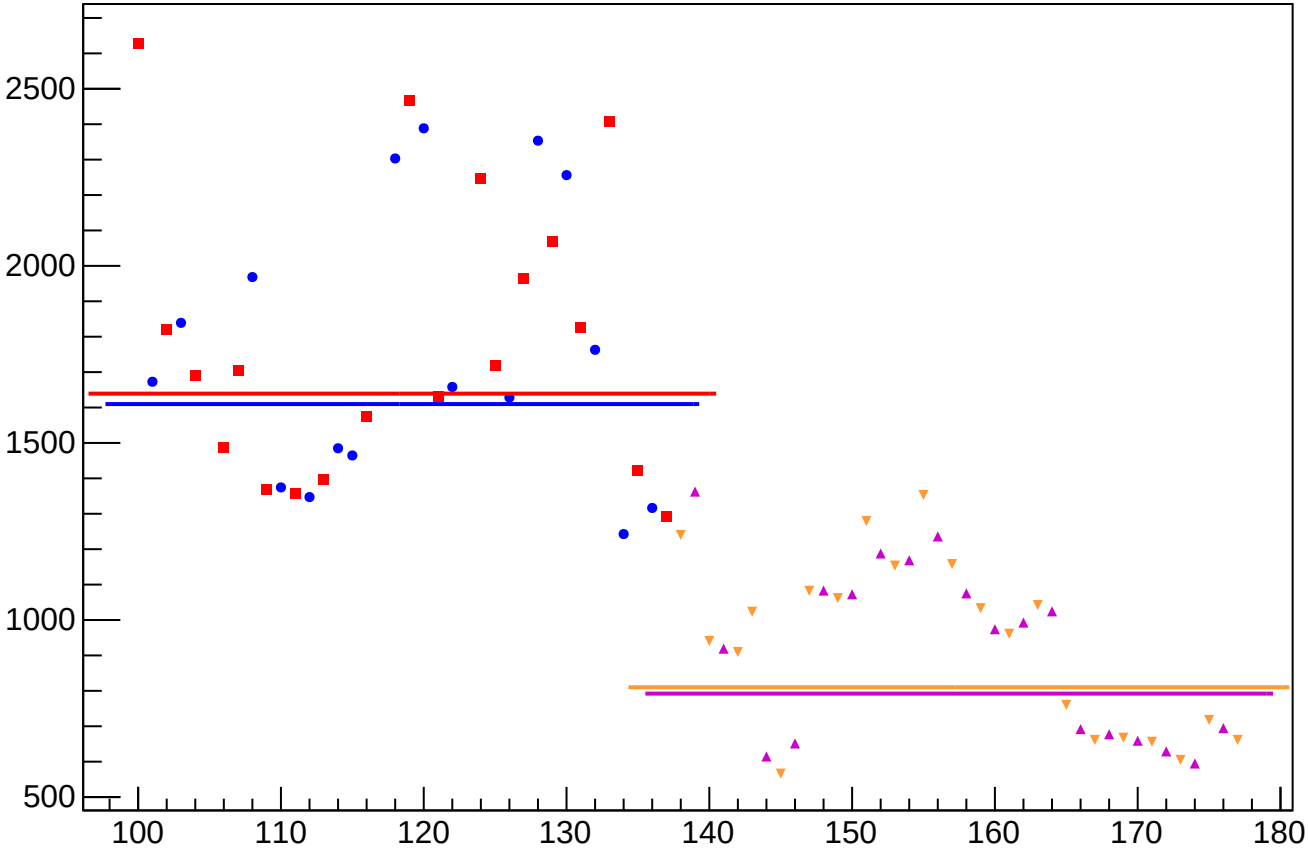
Left In: -236.521+/-209.424 χ^2/NDF:22.2/18

\+ sign -951.855+/-195.897 χ^2/NDF: 88.7/36

All: -663.262+/-139.321 χ^2/NDF: 132.0/74

\- sign -367.901+/-198.181 χ^2/NDF: 38.9/37

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 810.111+/-0.146 χ^2/NDF:2308698.6/20

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

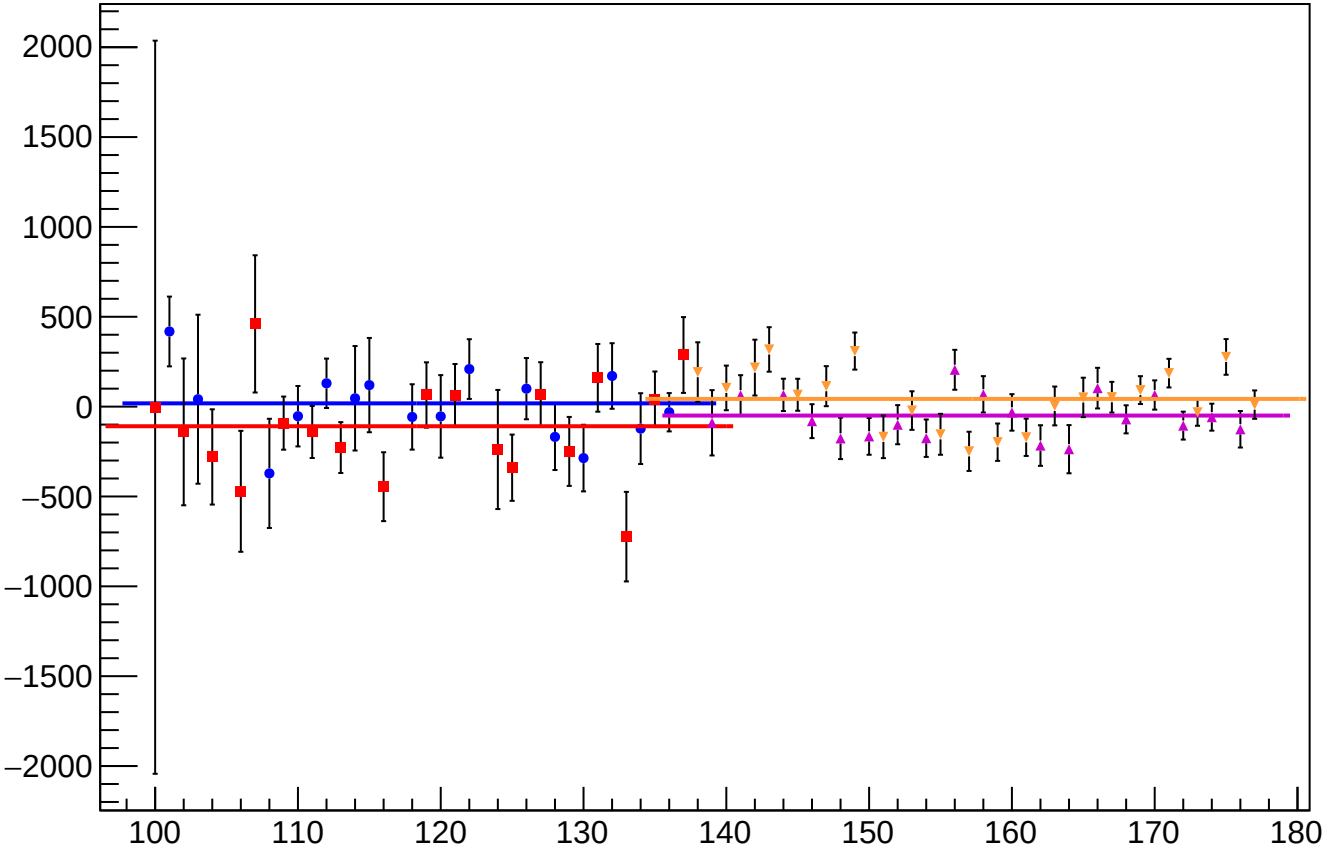
Left In: 792.174+/-0.148 χ^2/NDF:2142909.8/18

+ sign 890.983+/-0.139 χ^2/NDF: 5957349.8/36

All: 885.892+/-0.099 χ^2/NDF: 12042009.9/74

- sign 880.683+/-0.140 χ^2/NDF: 6081927.7/37

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 43.028+/-21.907 χ^2/NDF:48.2/20

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

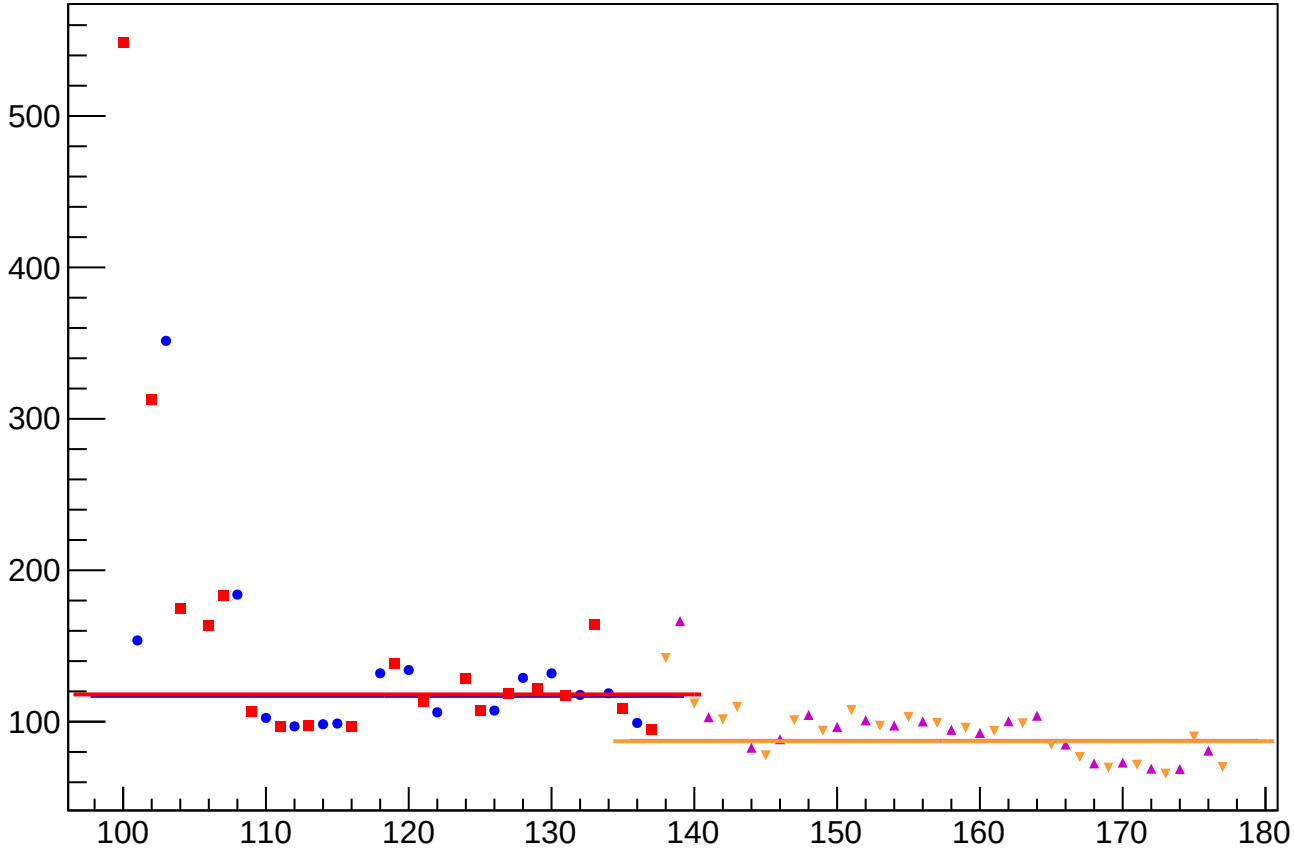
Left In: -49.751+/-22.722 χ^2/NDF:22.7/18

+ sign 38.388+/-19.755 χ^2/NDF: 62.3/36

All: -10.043+/-14.177 χ^2/NDF: 124.1/74

- sign -61.472+/-20.357 χ^2/NDF: 49.5/37

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.124+/-0.015 χ^2/NDF:1103261.0/20

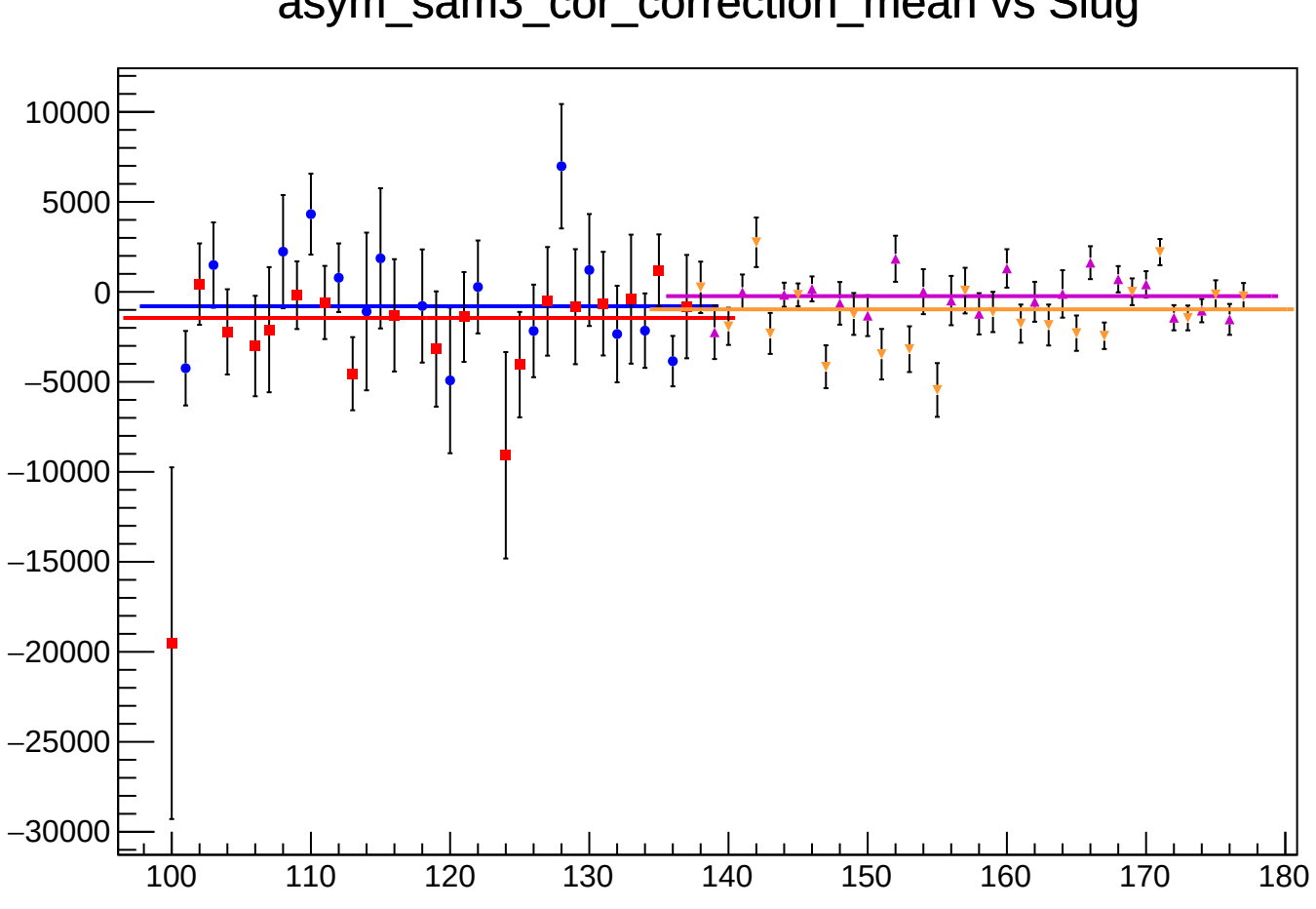
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

+ sign 92.718+/-0.014 χ^2/NDF: 2659505.6/36

All: 93.030+/-0.010 χ^2/NDF: 5378002.8/74

- sign 93.362+/-0.014 χ^2/NDF: 2717465.0/37



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -969.029+/-206.624 χ^2/NDF:65.2/20

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

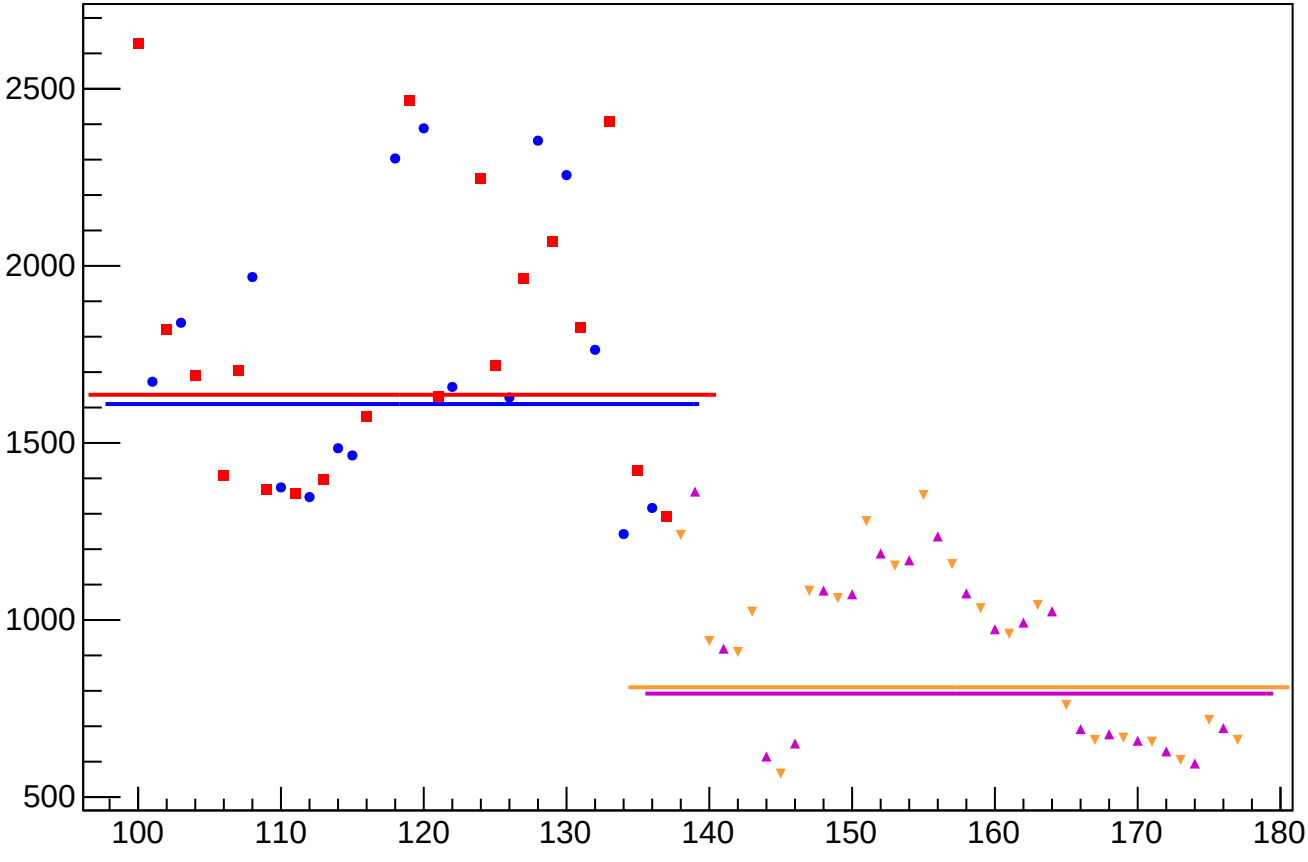
Left In: -236.524+/-209.424 χ^2/NDF:22.2/18

+ sign -951.846+/-195.897 χ^2/NDF: 88.7/36

All: -660.733+/-139.337 χ^2/NDF: 131.3/74

- sign -362.657+/-198.226 χ^2/NDF: 38.1/37

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 810.111+/-0.146 χ^2/NDF:2308701.3/20

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

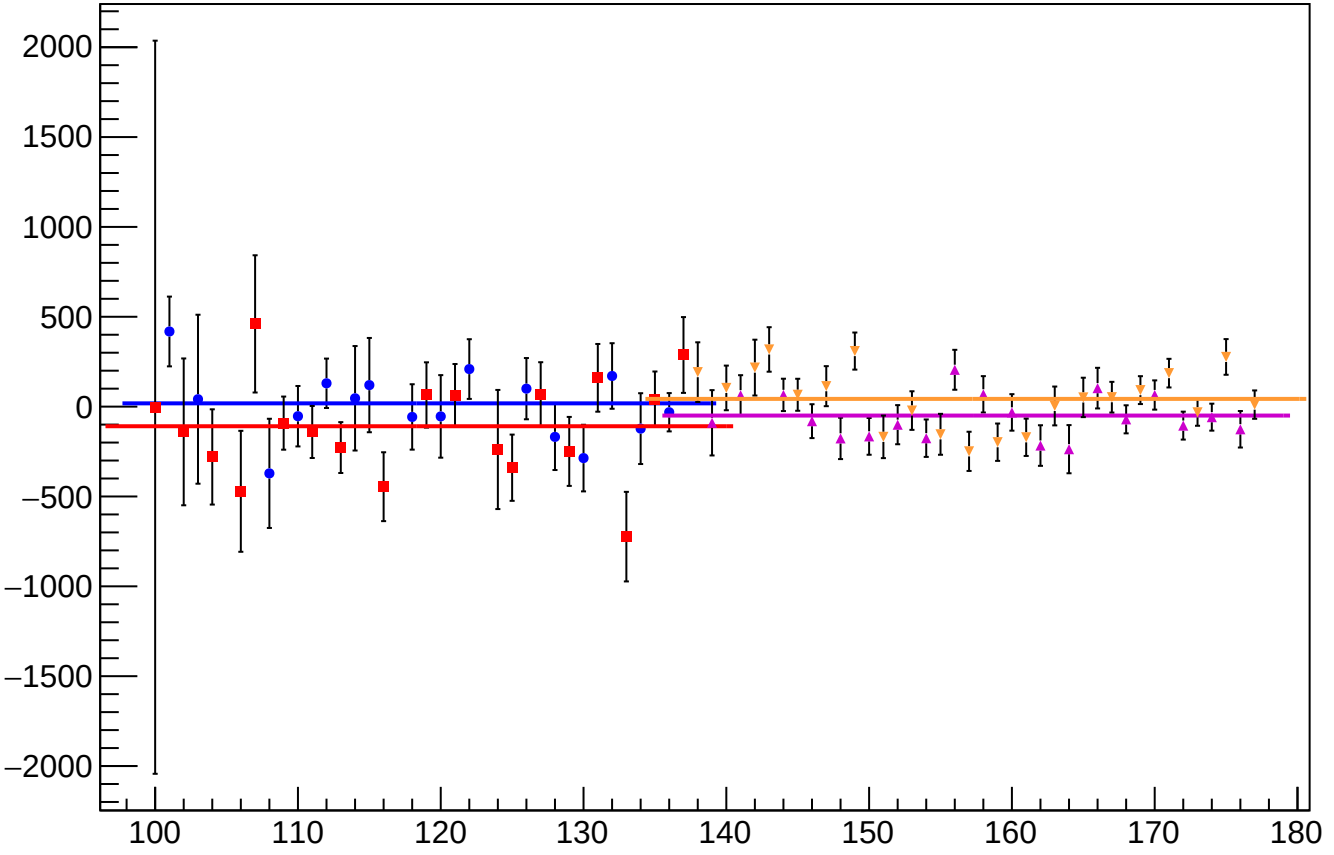
Left In: 792.174+/-0.148 χ^2/NDF:2142908.6/18

+ sign 890.982+/-0.139 χ^2/NDF: 5957416.4/36

All: 885.557+/-0.099 χ^2/NDF: 12011027.0/74

- sign 880.003+/-0.140 χ^2/NDF: 6050506.9/37

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 43.028+/-21.907 χ^2/NDF:48.2/20

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

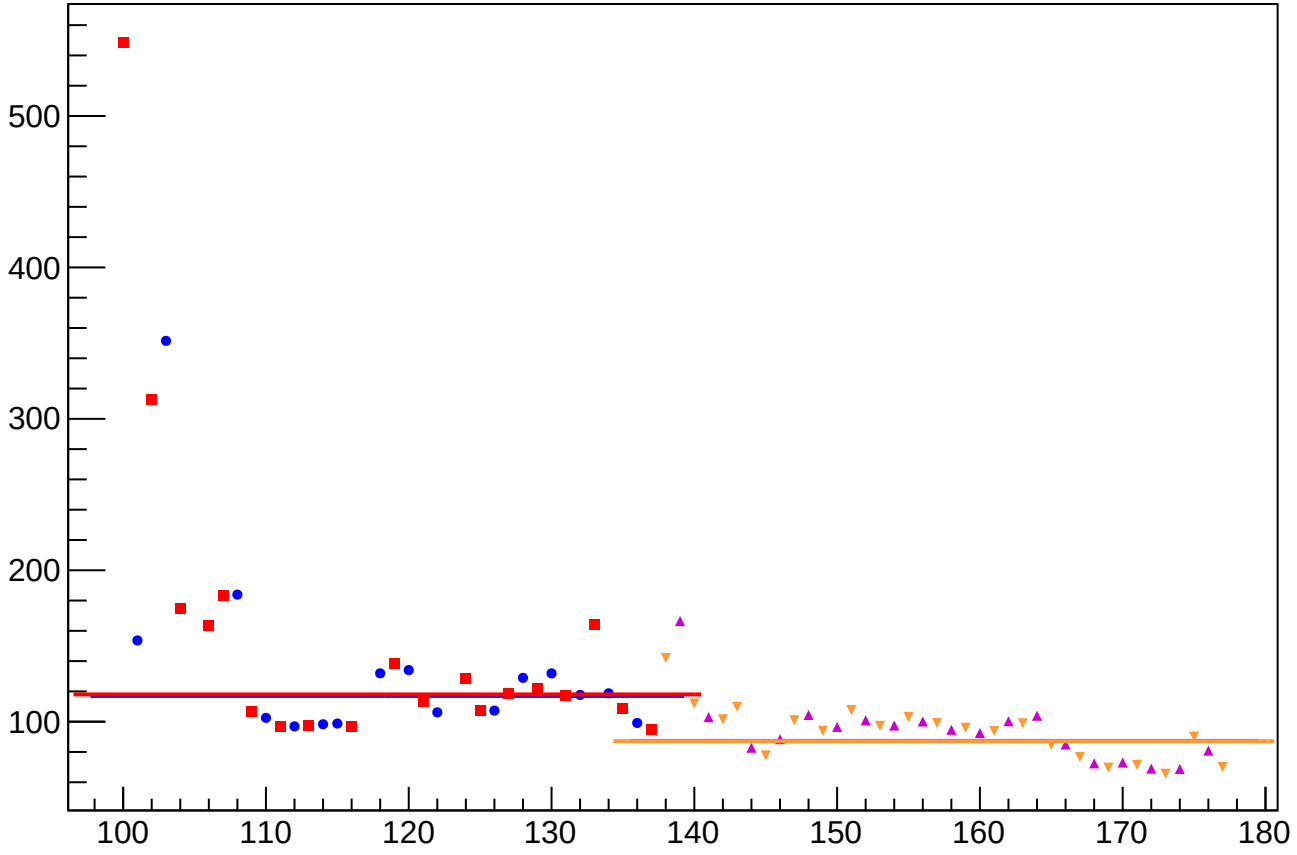
Left In: -49.751+/-22.722 χ^2/NDF:22.7/18

+ sign 38.388+/-19.755 χ^2/NDF: 62.3/36

All: -10.043+/-14.177 χ^2/NDF: 124.1/74

- sign -61.472+/-20.357 χ^2/NDF: 49.5/37

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.124+/-0.015 χ^2/NDF:1103261.0/20

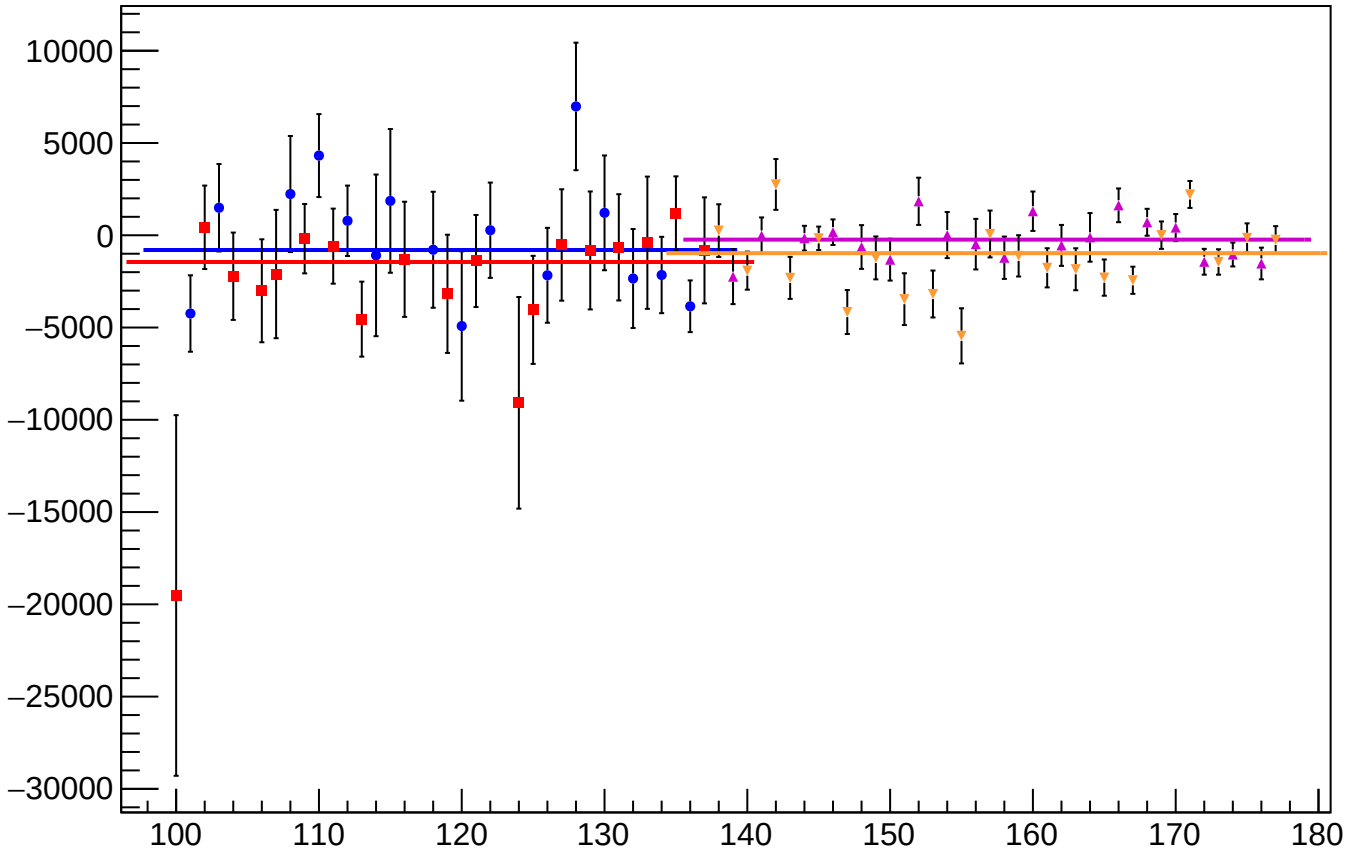
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

+ sign 92.718+/-0.014 χ^2/NDF: 2659505.6/36

All: 93.030+/-0.010 χ^2/NDF: 5378002.8/74

- sign 93.362+/-0.014 χ^2/NDF: 2717465.0/37



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -969.029+/-206.624 χ^2/NDF:65.2/20

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

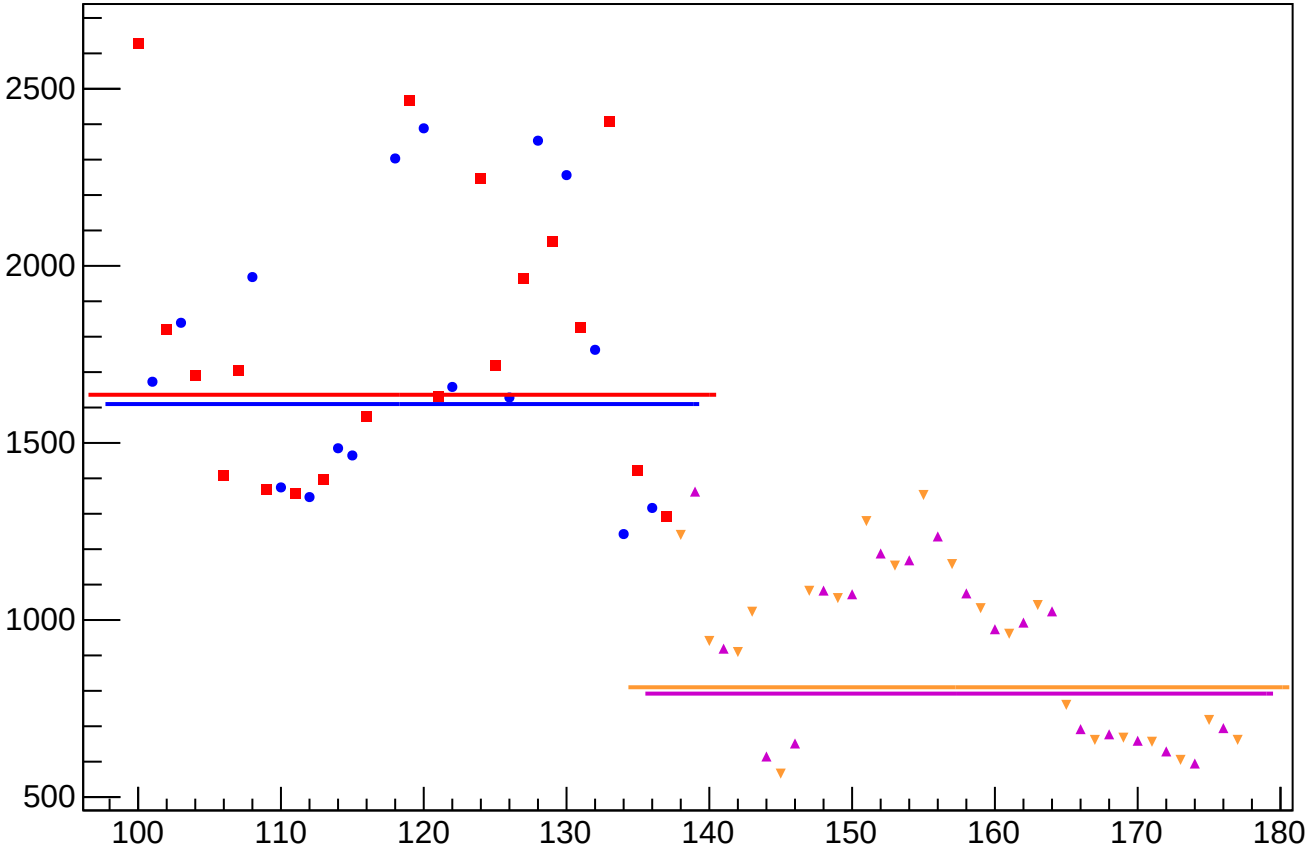
Left In: -236.524+/-209.424 χ^2/NDF:22.2/18

+ sign -951.846+/-195.897 χ^2/NDF: 88.7/36

All: -660.733+/-139.337 χ^2/NDF: 131.3/74

- sign -362.657+/-198.226 χ^2/NDF: 38.1/37

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 810.111+/-0.146 χ^2/NDF:2308701.3/20

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

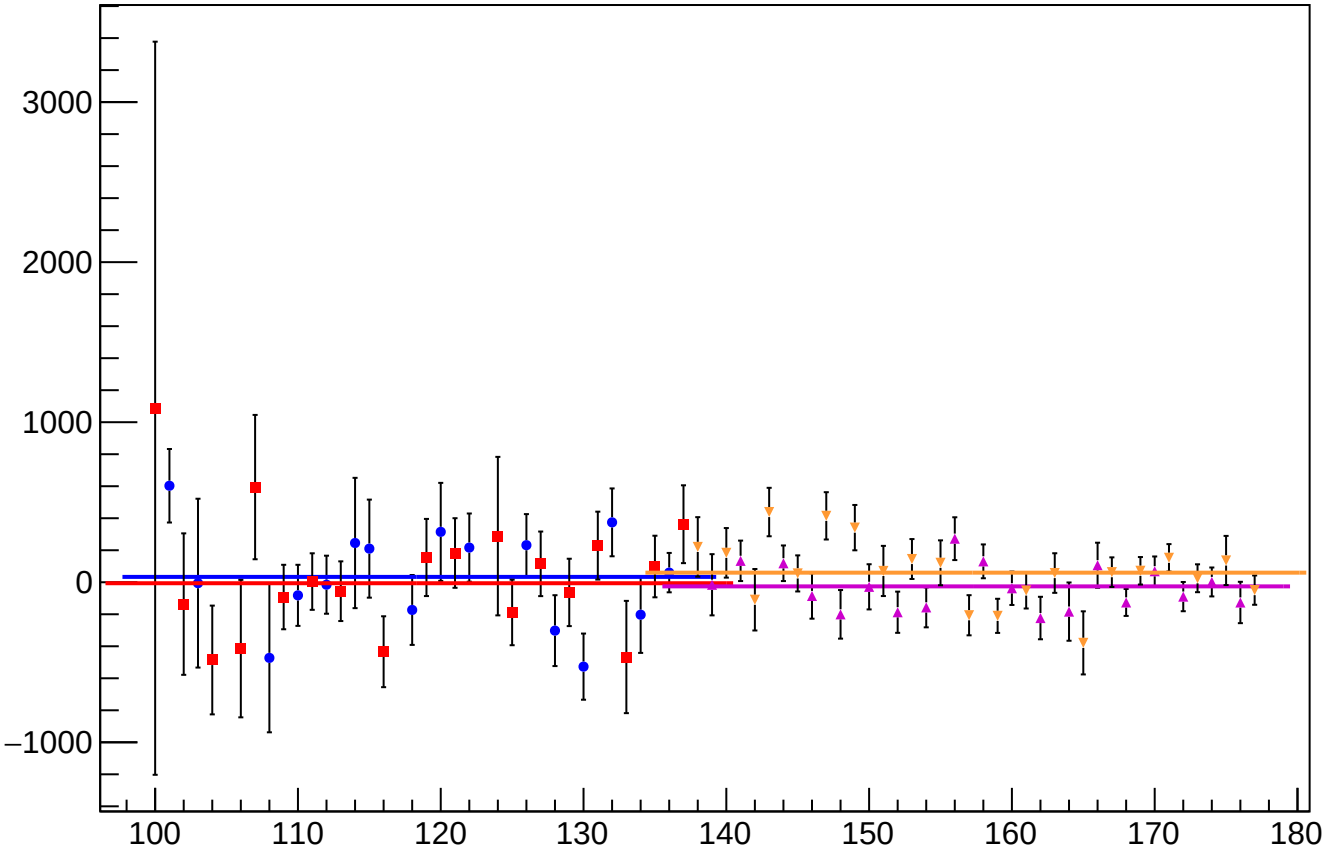
Left In: 792.174+/-0.148 χ^2/NDF:2142908.6/18

+ sign 890.982+/-0.139 χ^2/NDF: 5957416.4/36

All: 885.557+/-0.099 χ^2/NDF: 12011027.0/74

- sign 880.003+/-0.140 χ^2/NDF: 6050506.9/37

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.922+/-26.035 χ^2/NDF:38.7/20

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

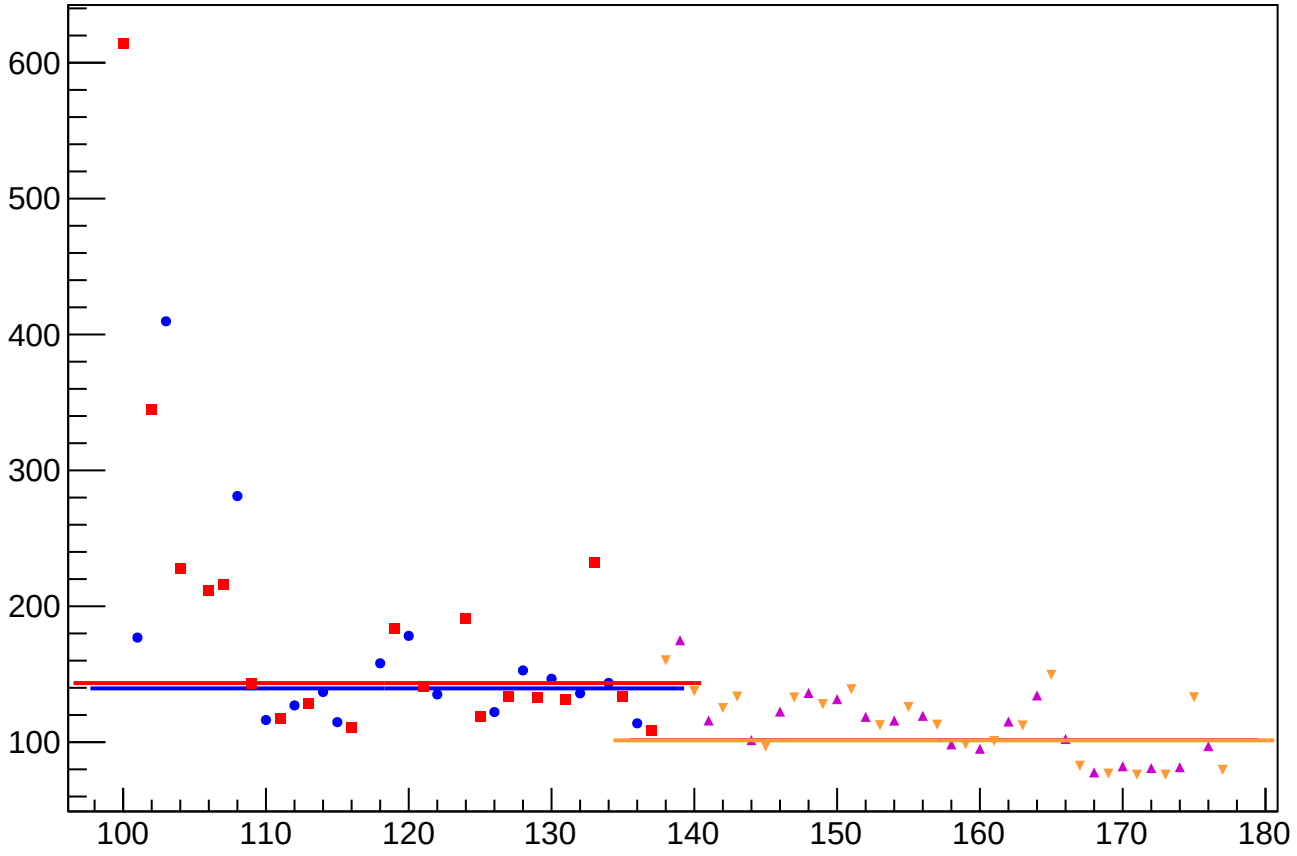
Left In: -25.761+/-26.980 χ^2/NDF:22.1/18

\+ sign 55.067+/-23.524 χ^2/NDF: 64.0/36

All: 17.772+/-16.906 χ^2/NDF: 108.8/74

\- sign -22.068+/-24.314 χ^2/NDF: 39.6/37

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 101.344+/-0.018 χ^2/NDF:1726983.6/20

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

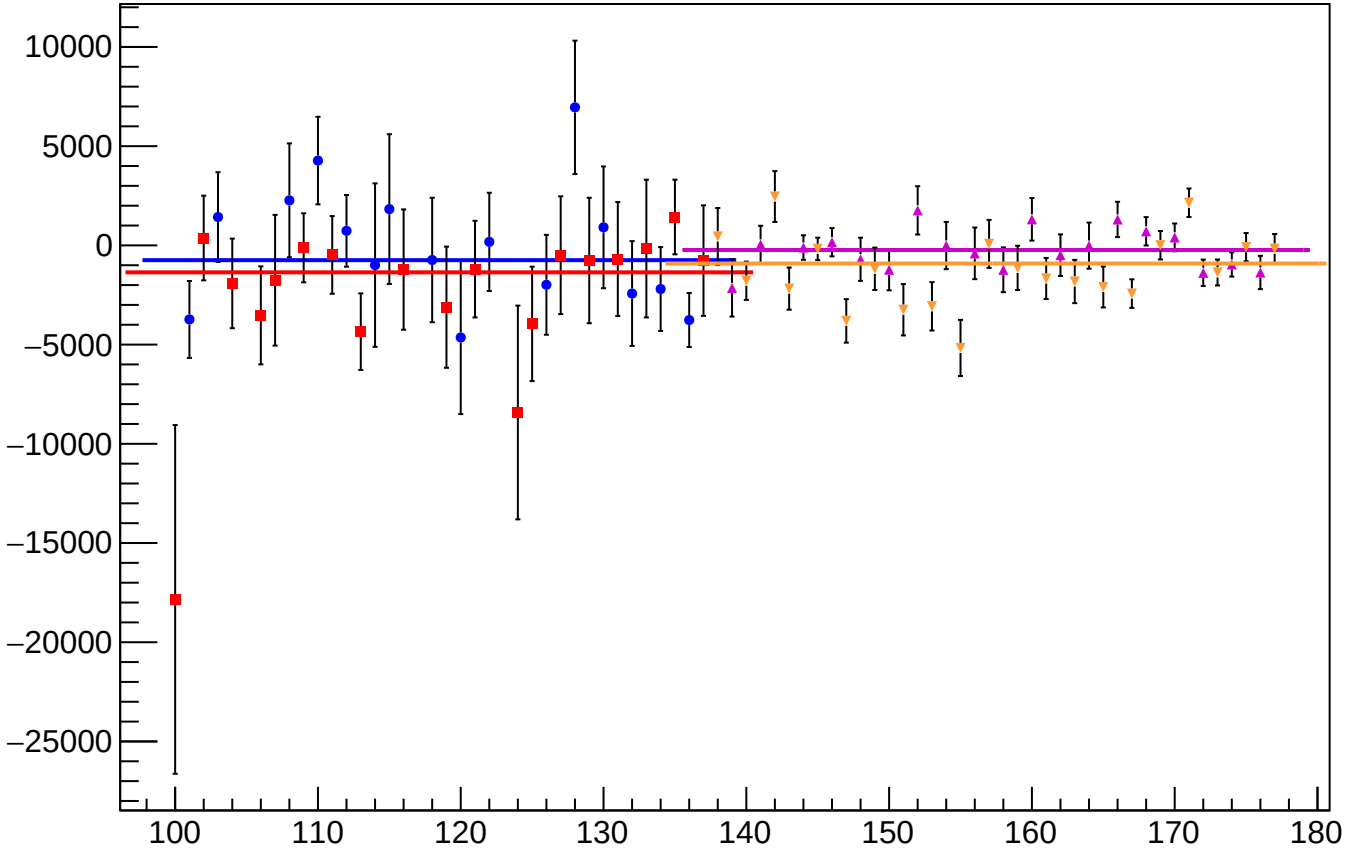
Left In: 101.592+/-0.019 χ^2/NDF:1202223.1/18

+ sign 108.360+/-0.017 χ^2/NDF: 3495003.8/36

All: 108.893+/-0.012 χ^2/NDF: 6721803.7/74

- sign 109.463+/-0.017 χ^2/NDF: 3224672.6/37

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -913.355+/-196.809 χ^2/NDF:64.5/20

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

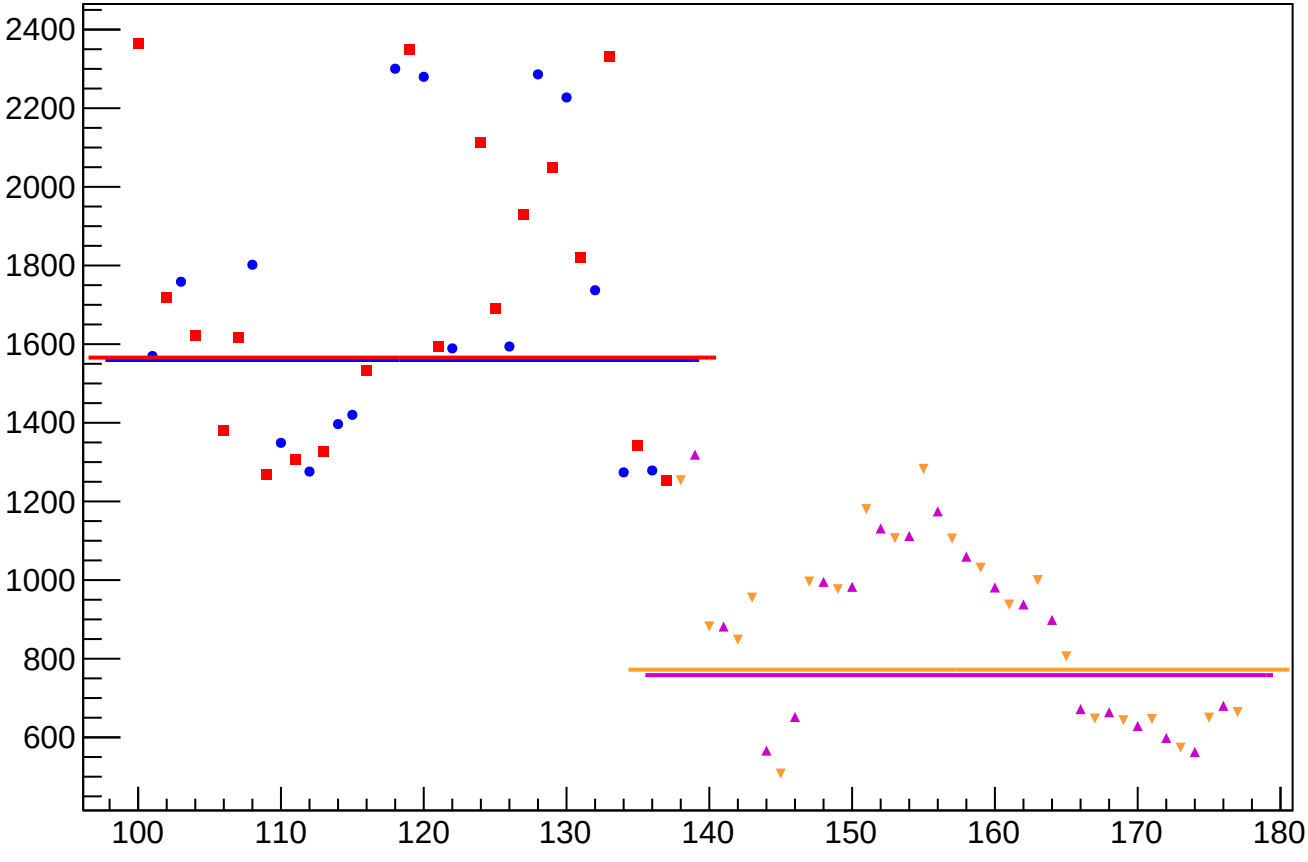
Left In: -232.012+/-200.542 χ^2/NDF:20.8/18

\+ sign -896.761+/-186.877 χ^2/NDF: 88.1/36

All: -627.582+/-133.140 χ^2/NDF: 129.9/74

\- sign -350.114+/-189.733 χ^2/NDF: 37.6/37

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 772.194+/-0.139 χ^2/NDF:2391822.9/20

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

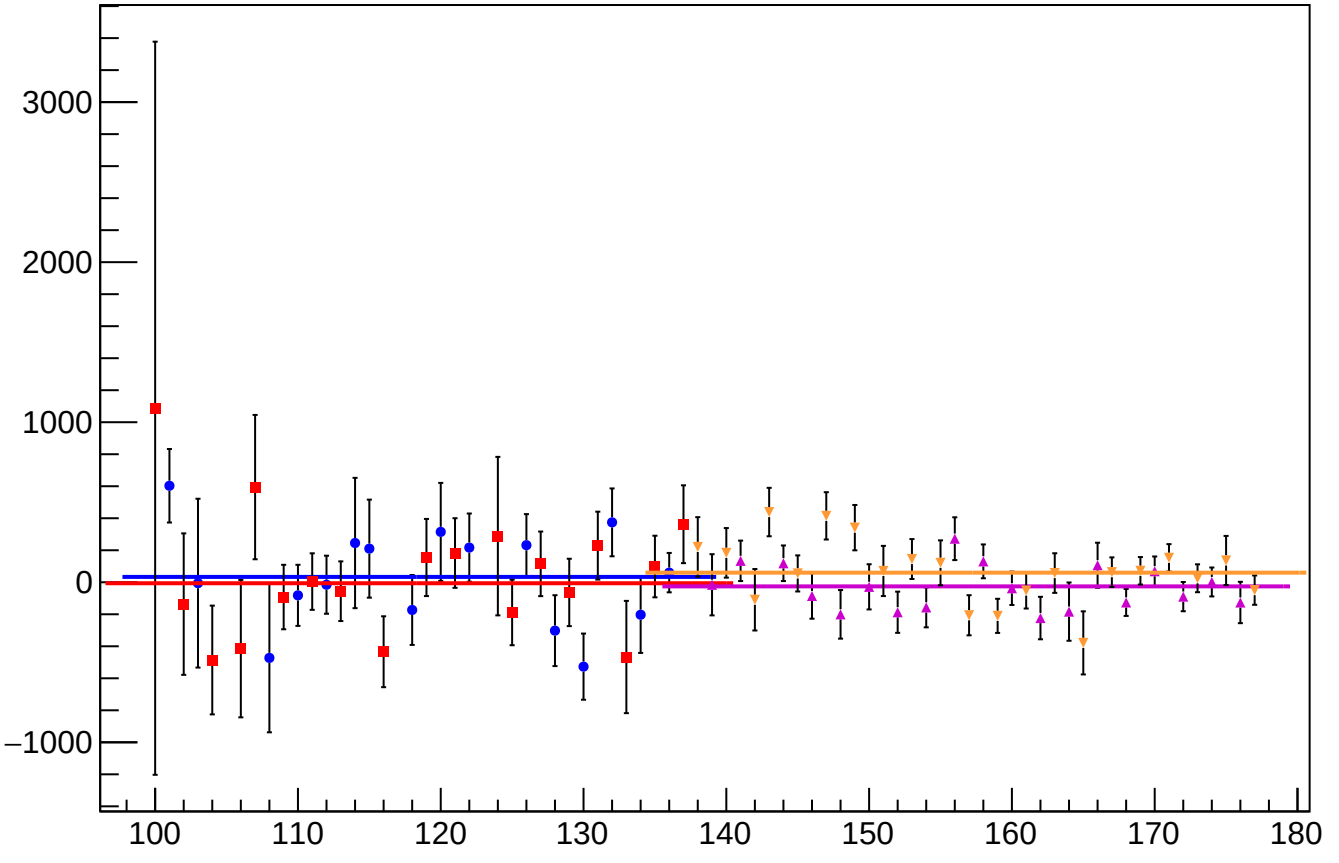
Left In: 758.262+/-0.142 χ^2/NDF:2108253.9/18

+ sign 849.670+/-0.132 χ^2/NDF: 6146582.6/36

All: 846.373+/-0.094 χ^2/NDF: 12221879.3/74

- sign 842.973+/-0.134 χ^2/NDF: 6074032.0/37

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.923+/-26.035 χ^2/NDF:38.7/20

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

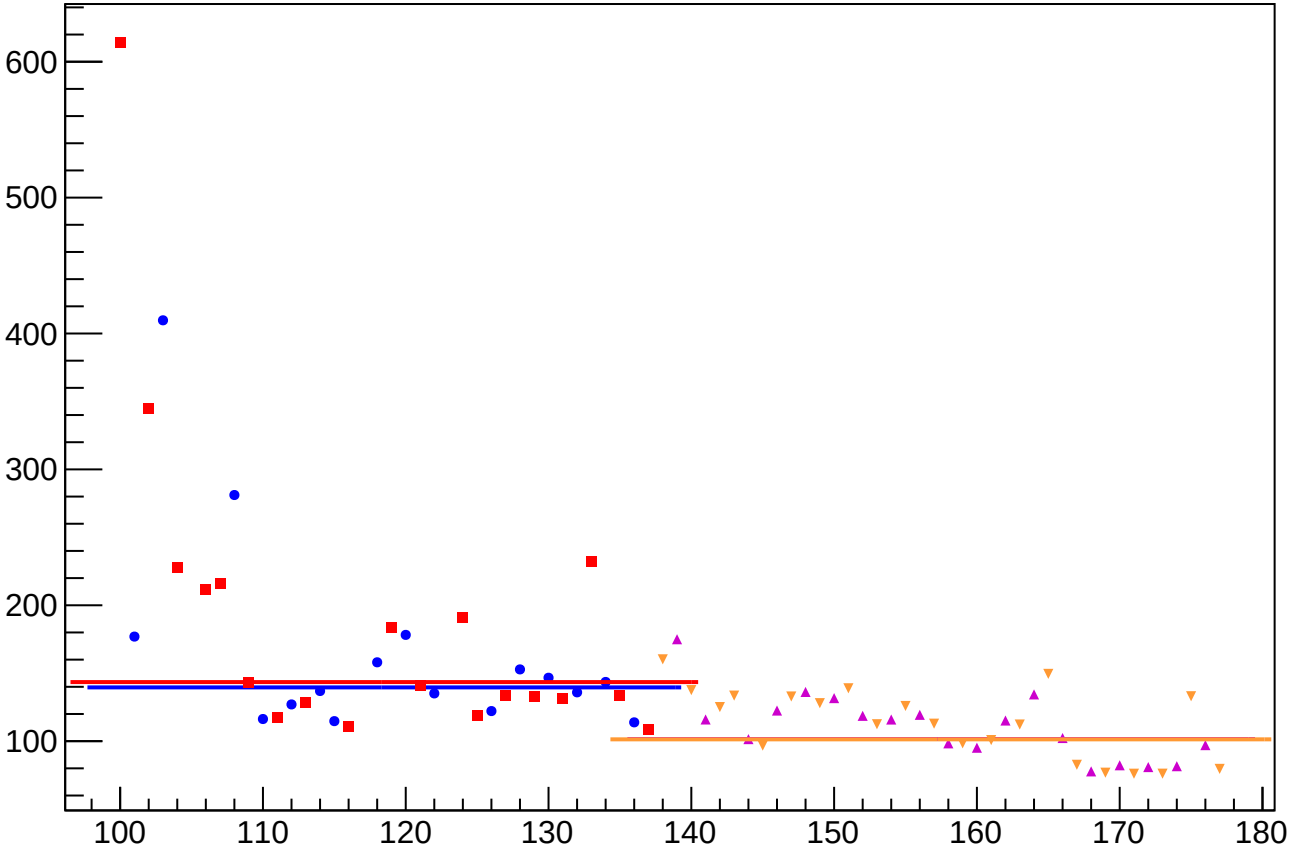
Left In: -25.759+/-26.981 χ^2/NDF:22.1/18

+ sign 55.067+/-23.524 χ^2/NDF: 64.0/36

All: 17.773+/-16.906 χ^2/NDF: 108.8/74

- sign -22.066+/-24.314 χ^2/NDF: 39.6/37

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 101.344+/-0.018 χ^2/NDF:1727007.7/20

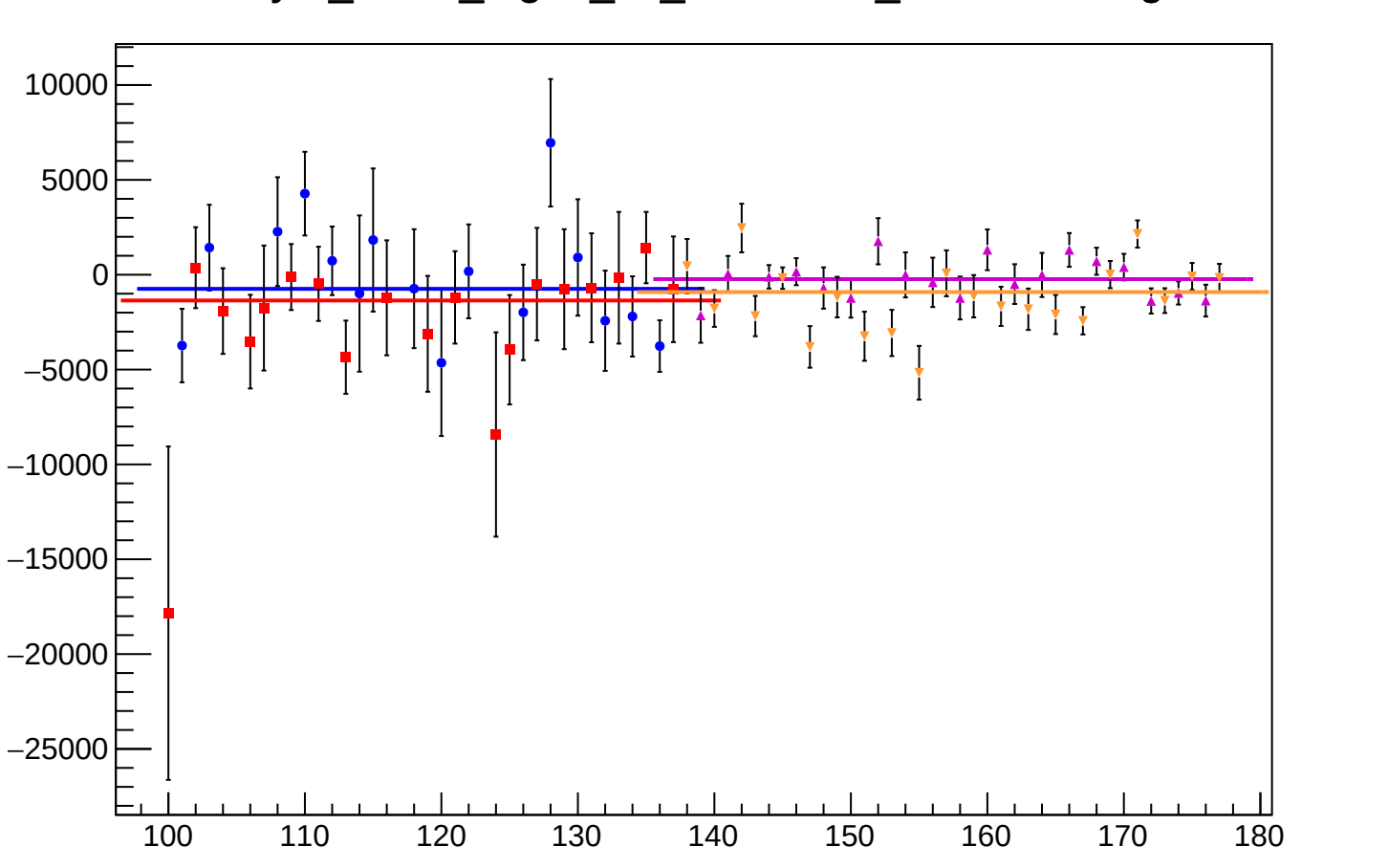
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 101.593+/-0.019 χ^2/NDF:1202237.9/18

+ sign 108.360+/-0.017 χ^2/NDF: 3495024.8/36

All: 108.894+/-0.012 χ^2/NDF: 6721847.1/74

- sign 109.463+/-0.017 χ^2/NDF: 3224695.0/37



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -913.355+/-196.808 χ^2/NDF:64.5/20

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

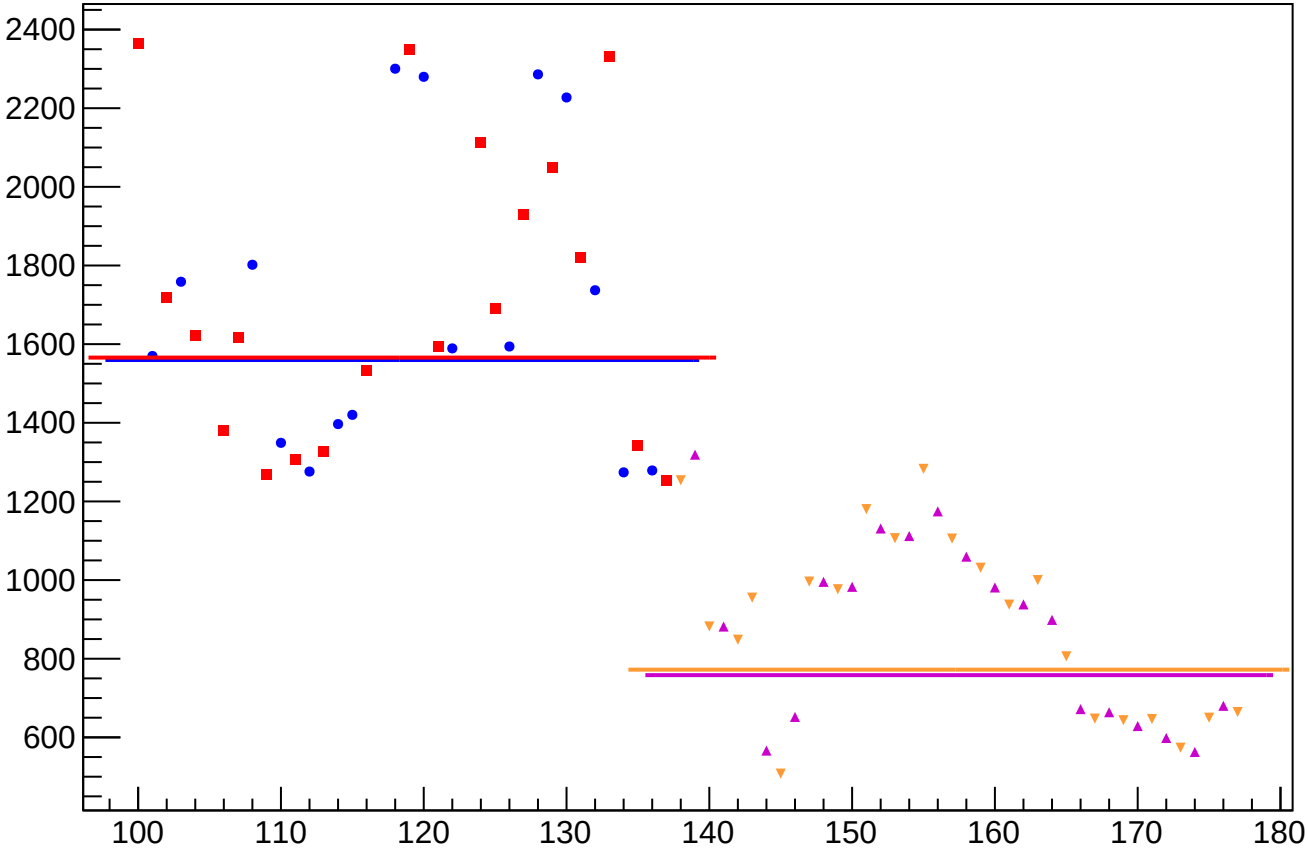
Left In: -232.011+/-200.542 χ^2/NDF:20.8/18

\+ sign -896.761+/-186.877 χ^2/NDF: 88.1/36

All: -627.582+/-133.140 χ^2/NDF: 129.9/74

\- sign -350.113+/-189.732 χ^2/NDF: 37.6/37

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 772.193+/-0.139 χ^2/NDF:2391817.2/20

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

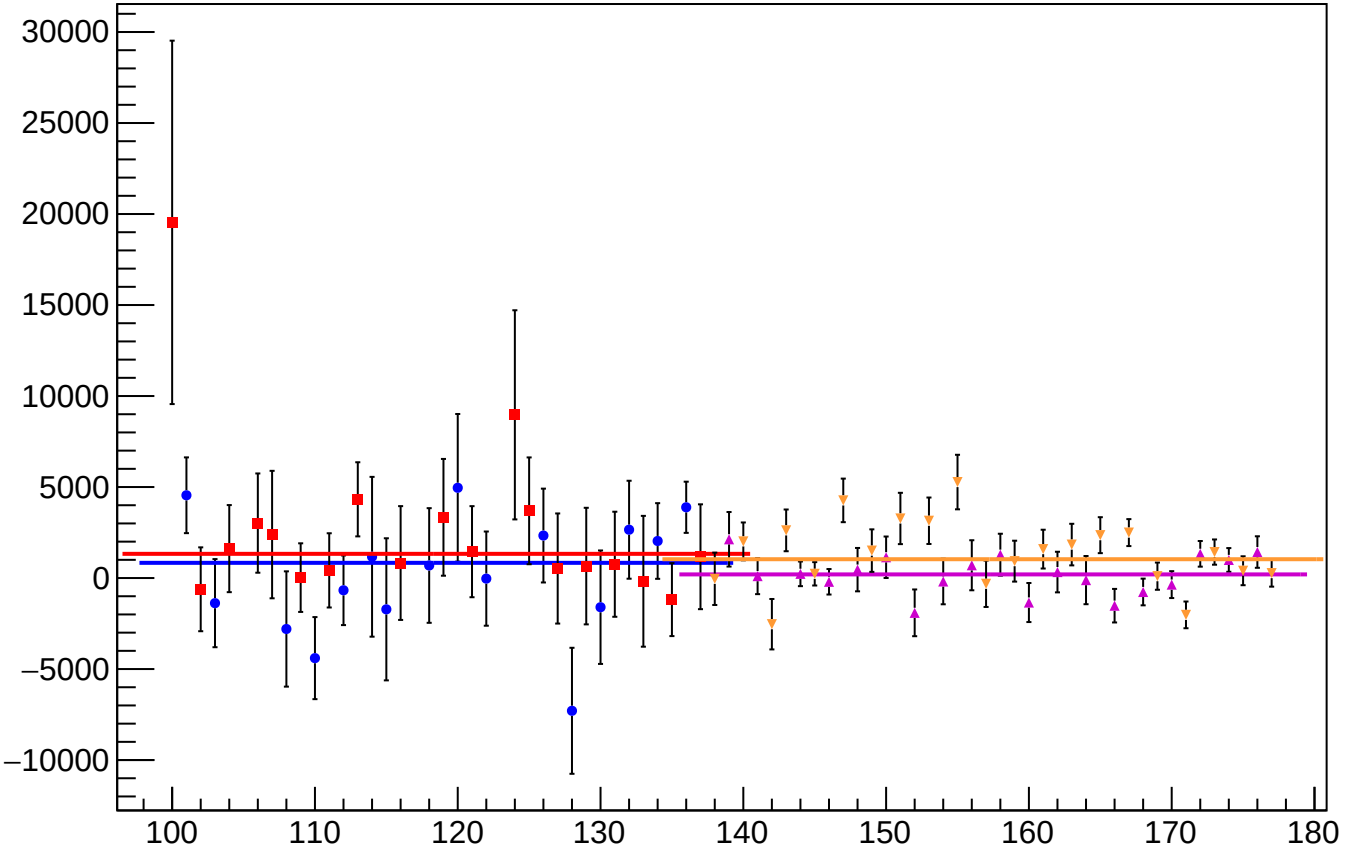
Left In: 758.262+/-0.142 χ^2/NDF:2108248.9/18

+ sign 849.670+/-0.132 χ^2/NDF: 6146576.4/36

All: 846.372+/-0.094 χ^2/NDF: 12221863.2/74

- sign 842.973+/-0.134 χ^2/NDF: 6074022.1/37

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1034.180+/-207.918 χ^2/NDF:60.8/20

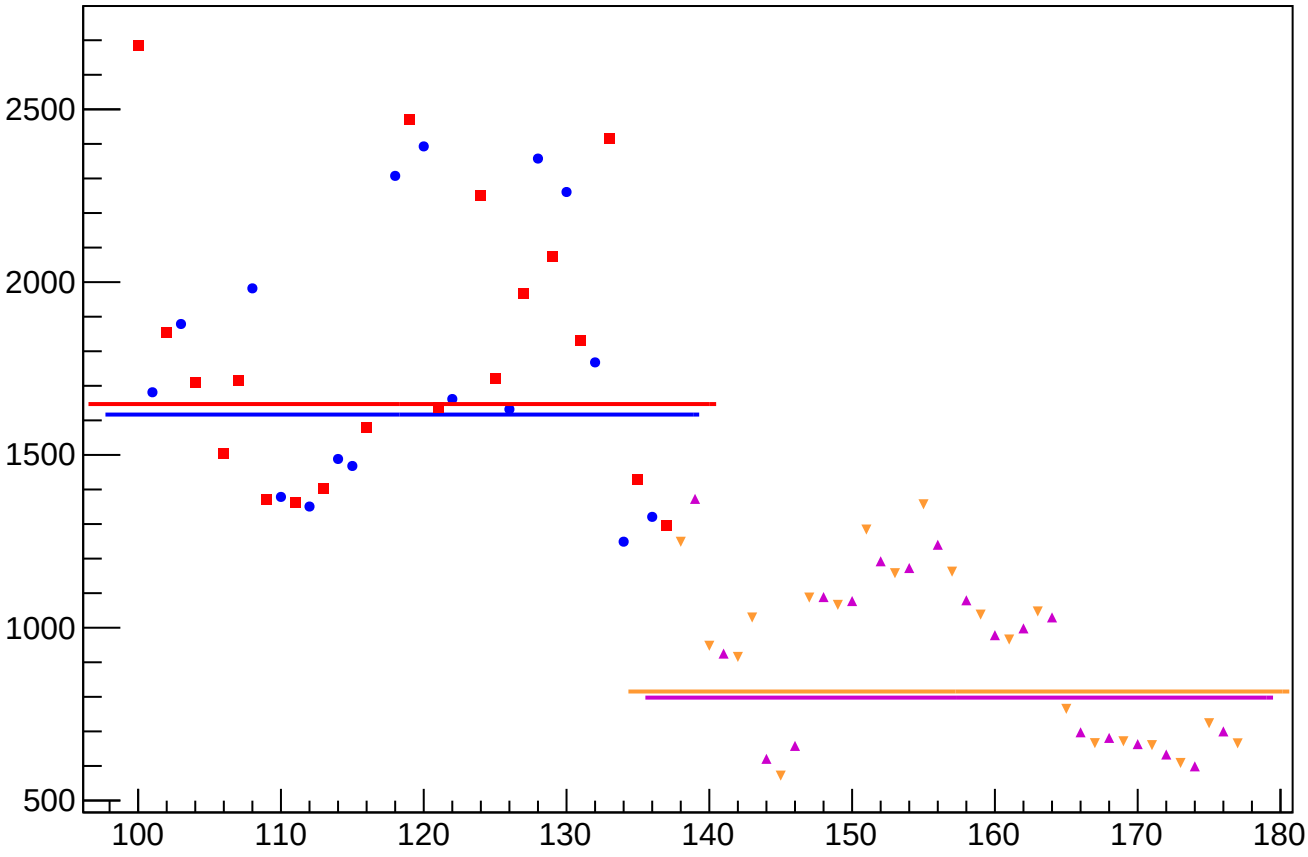
Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: 199.772+/-210.822 χ^2/NDF:20.6/18

+ sign 1014.023+/-197.089 χ^2/NDF: 85.8/36

All: 670.244+/-140.200 χ^2/NDF: 127.6/74

- sign 318.080+/-199.478 χ^2/NDF: 35.7/37



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 815.418+/-0.147 χ^2/NDF:2288635.9/20

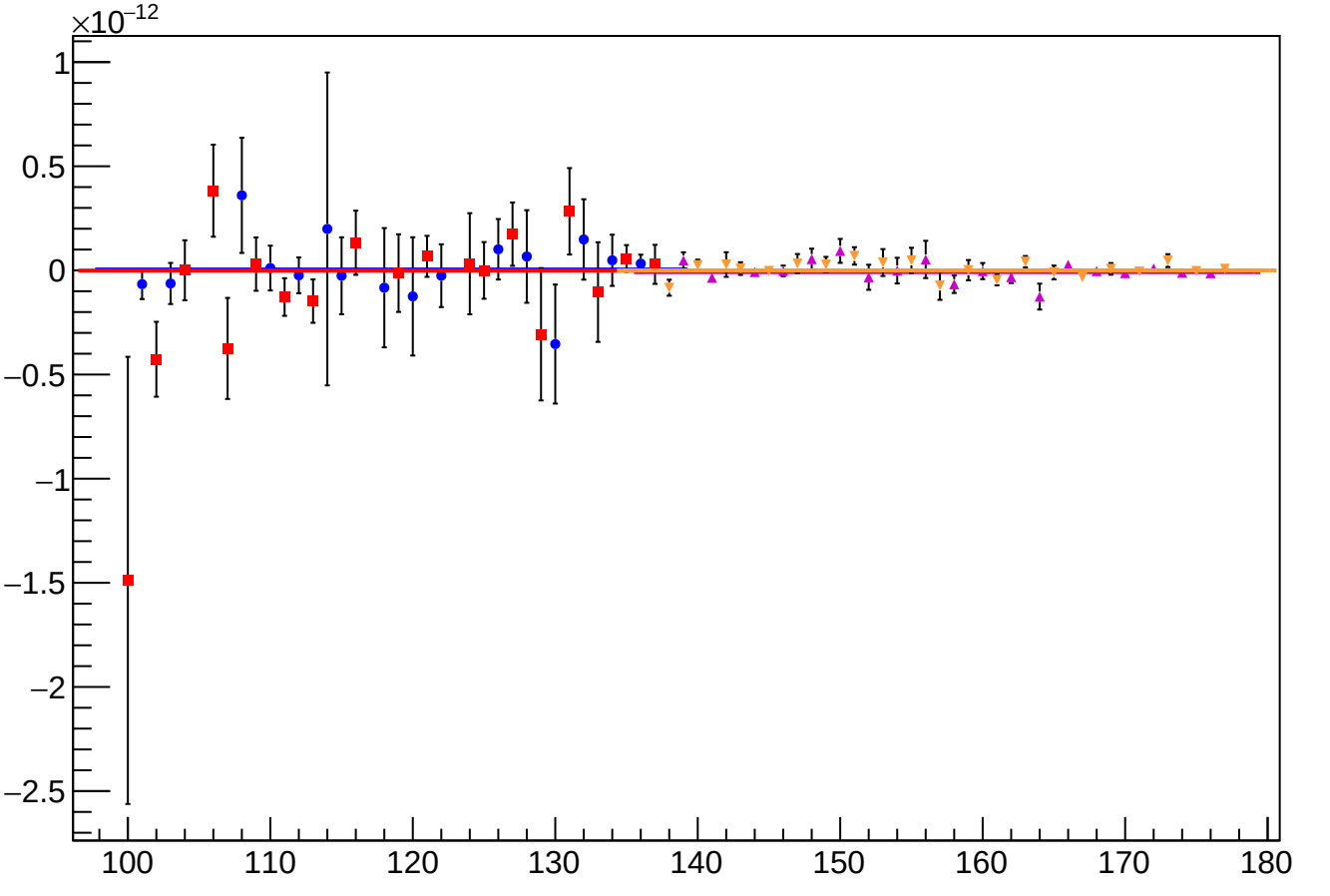
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 797.742+/-0.149 χ^2/NDF:2122469.9/18

+ sign 896.719+/-0.139 χ^2/NDF: 5925177.3/36

All: 891.770+/-0.099 χ^2/NDF: 11974511.9/74

- sign 886.699+/-0.141 χ^2/NDF: 6046781.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

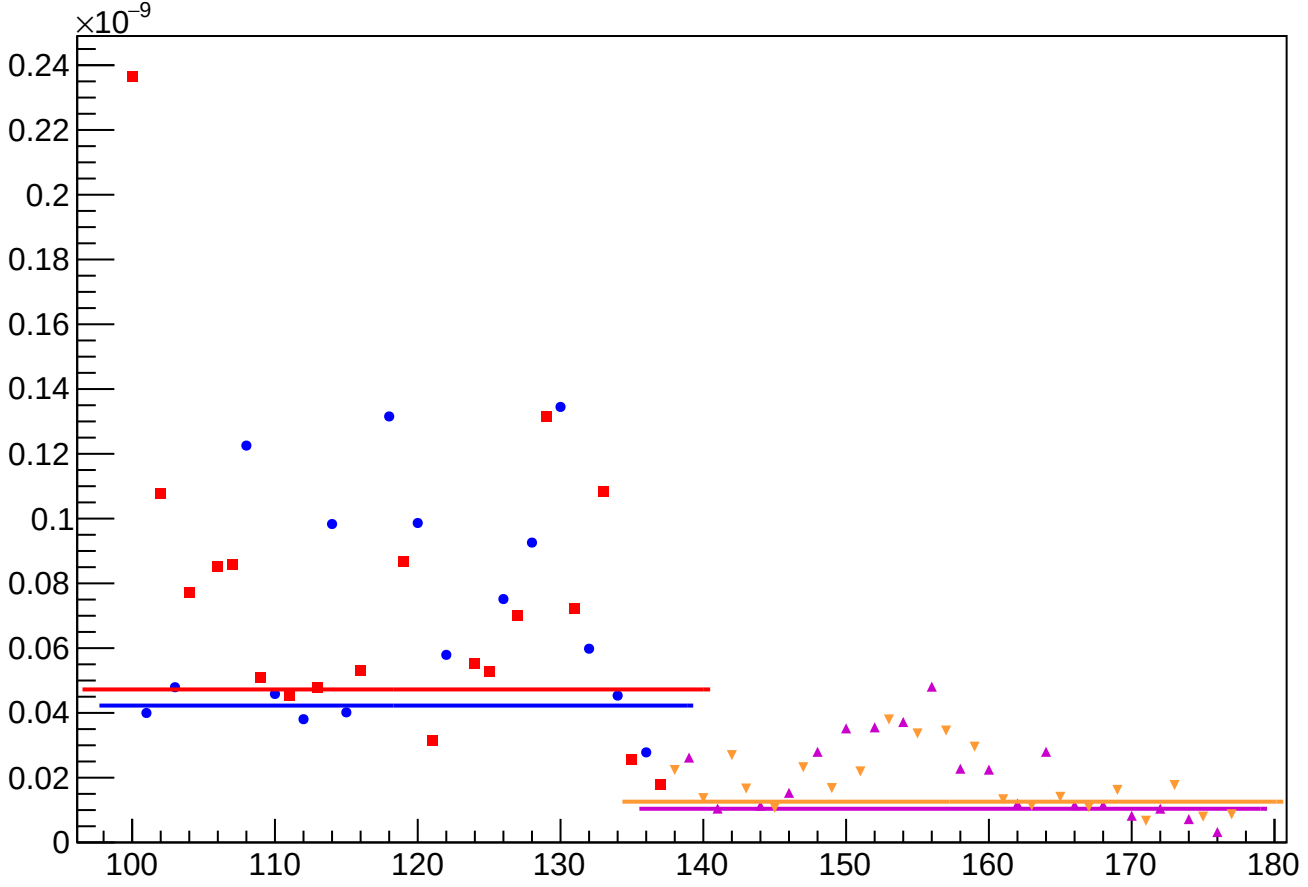
Left In: -0.000+/-0.000 χ^2/NDF:18.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 29.7/36

All: -0.000+/-0.000 χ^2/NDF: 72.3/74

- sign -0.000+/-0.000 χ^2/NDF: 41.6/37

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:2193426.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

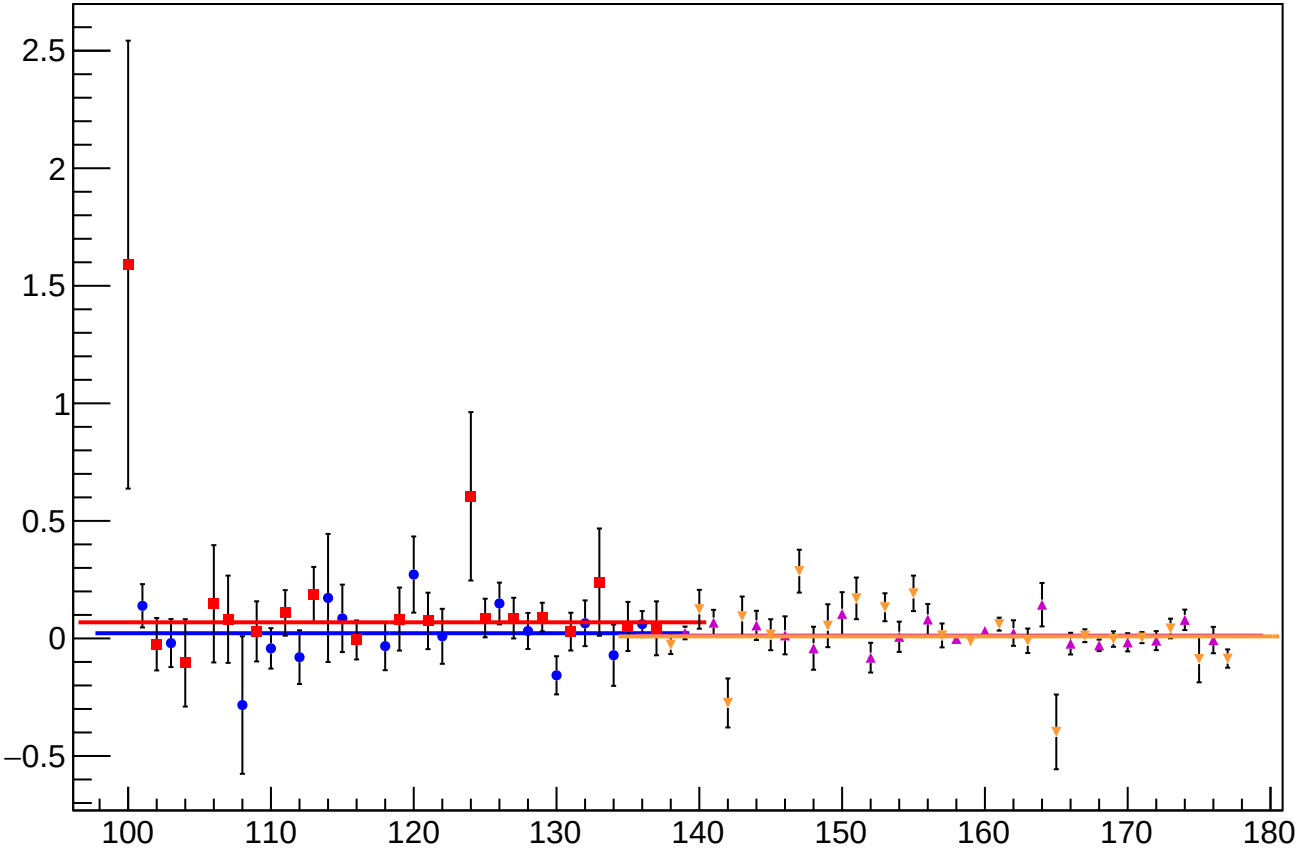
Left In: 0.000+/-0.000 χ^2/NDF:3588894.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 5609078.8/36

All: 0.000+/-0.000 χ^2/NDF: 13646388.1/74

- sign 0.000+/-0.000 χ^2/NDF: 7862667.9/37

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:53.9/20

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

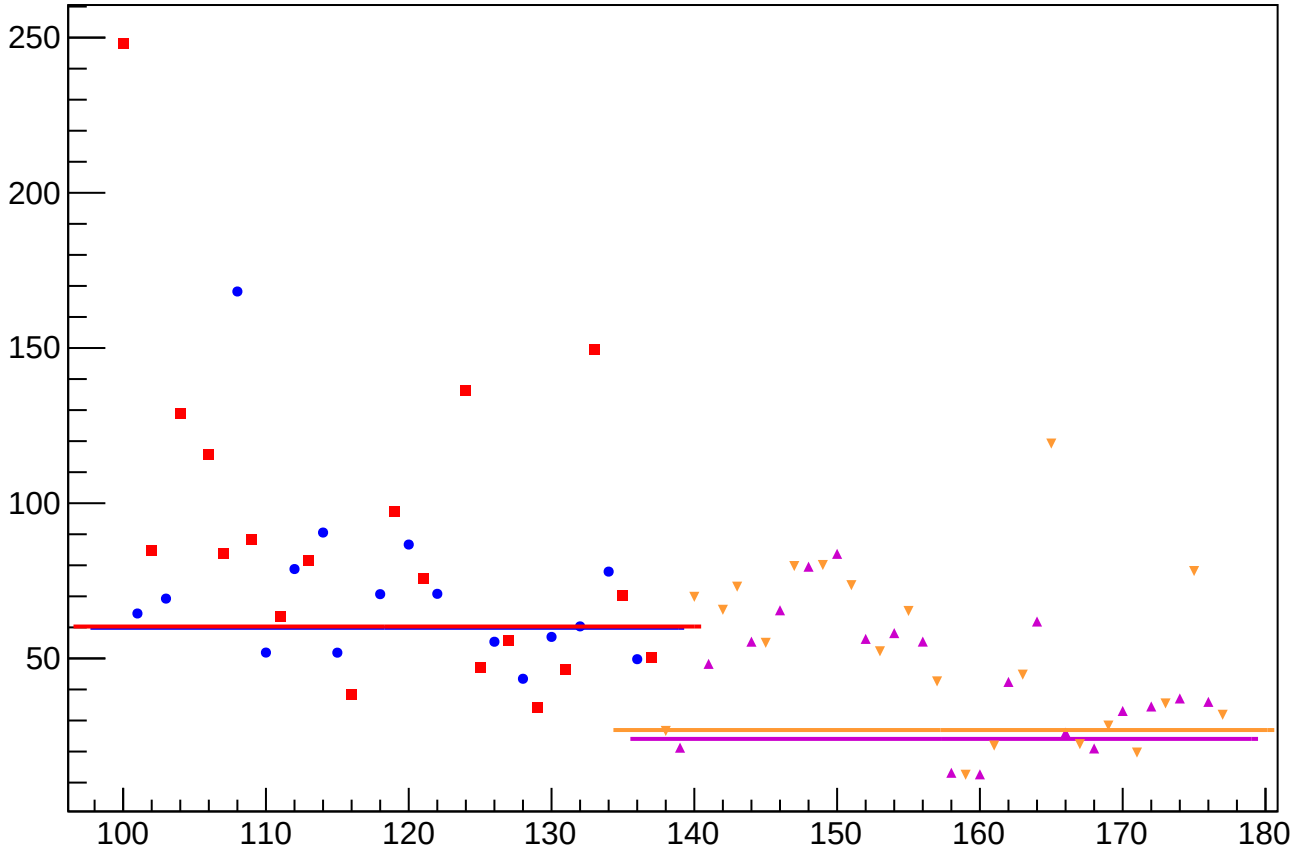
Left In: 0.012+/-0.008 χ^2/NDF:17.3/18

+ sign 0.010+/-0.008 χ^2/NDF: 69.6/36

All: 0.014+/-0.006 χ^2/NDF: 101.5/74

- sign 0.017+/-0.008 χ^2/NDF: 31.5/37

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.932+/-0.006 χ^2/NDF:8366037.6/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

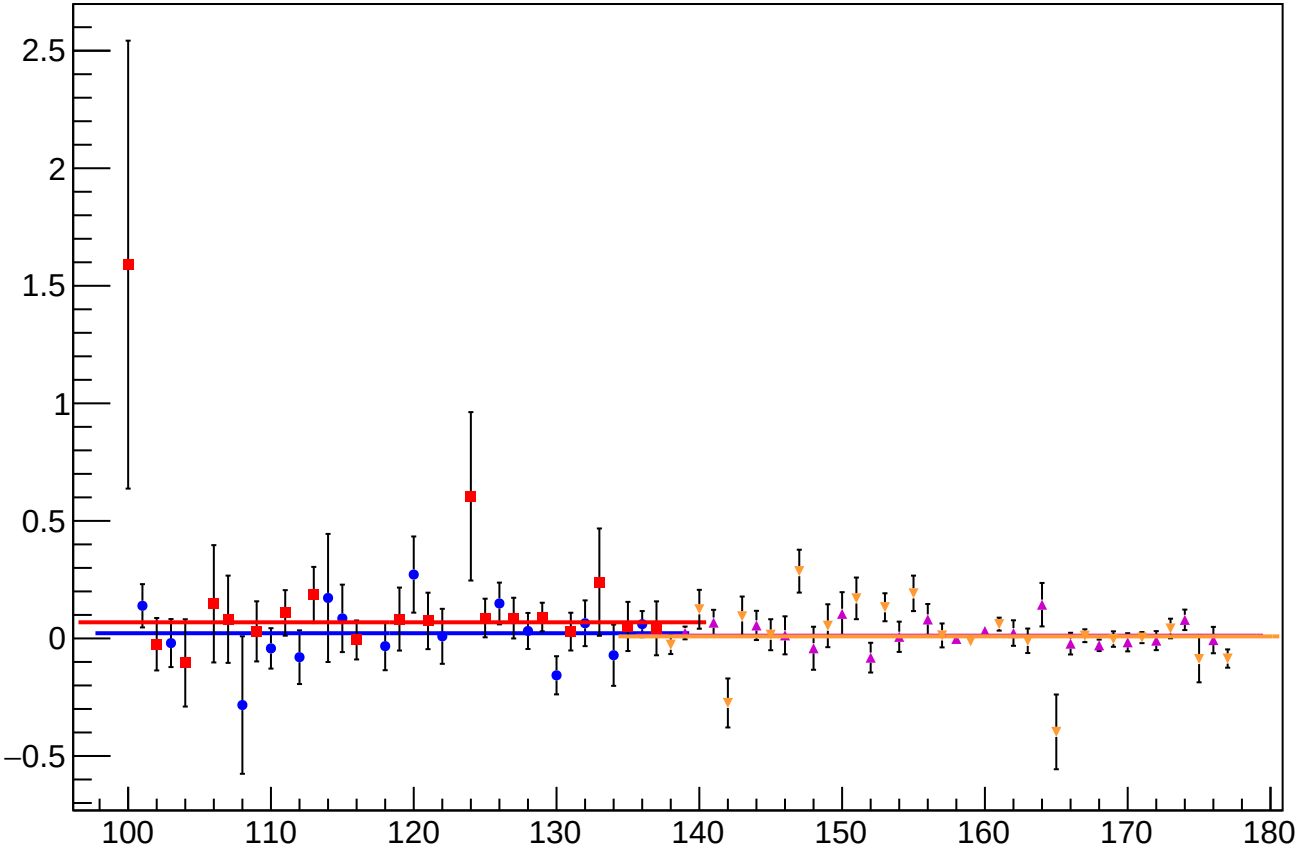
Left In: 24.075+/-0.006 χ^2/NDF:7575562.1/18

+ sign 30.444+/-0.006 χ^2/NDF: 12248418.5/36

All: 28.849+/-0.004 χ^2/NDF: 25675440.0/74

- sign 27.406+/-0.005 χ^2/NDF: 13277780.5/37

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:53.9/20

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

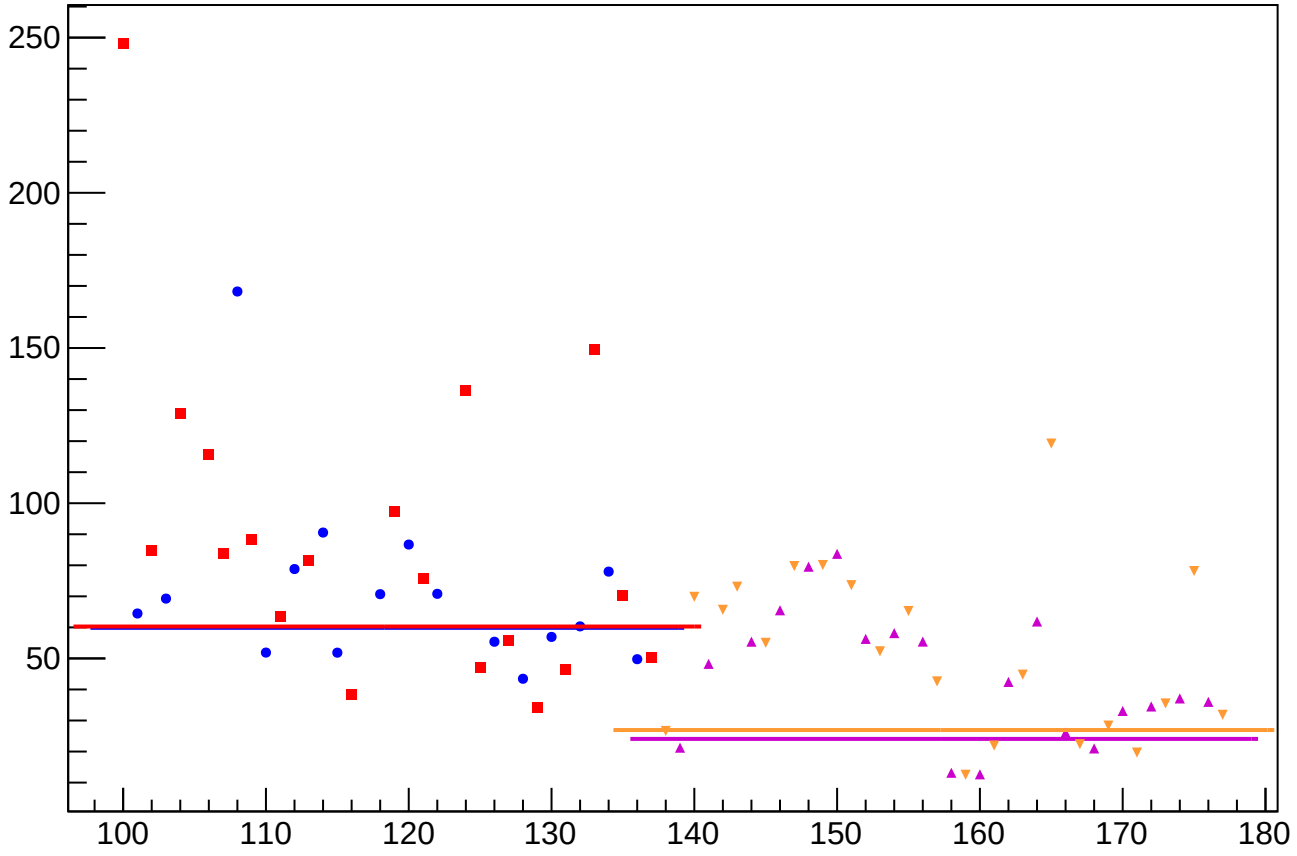
Left In: 0.012+/-0.008 χ^2/NDF:17.3/18

+ sign 0.010+/-0.008 χ^2/NDF: 69.6/36

All: 0.014+/-0.006 χ^2/NDF: 101.5/74

- sign 0.017+/-0.008 χ^2/NDF: 31.5/37

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.932+/-0.006 χ^2/NDF:8366037.6/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

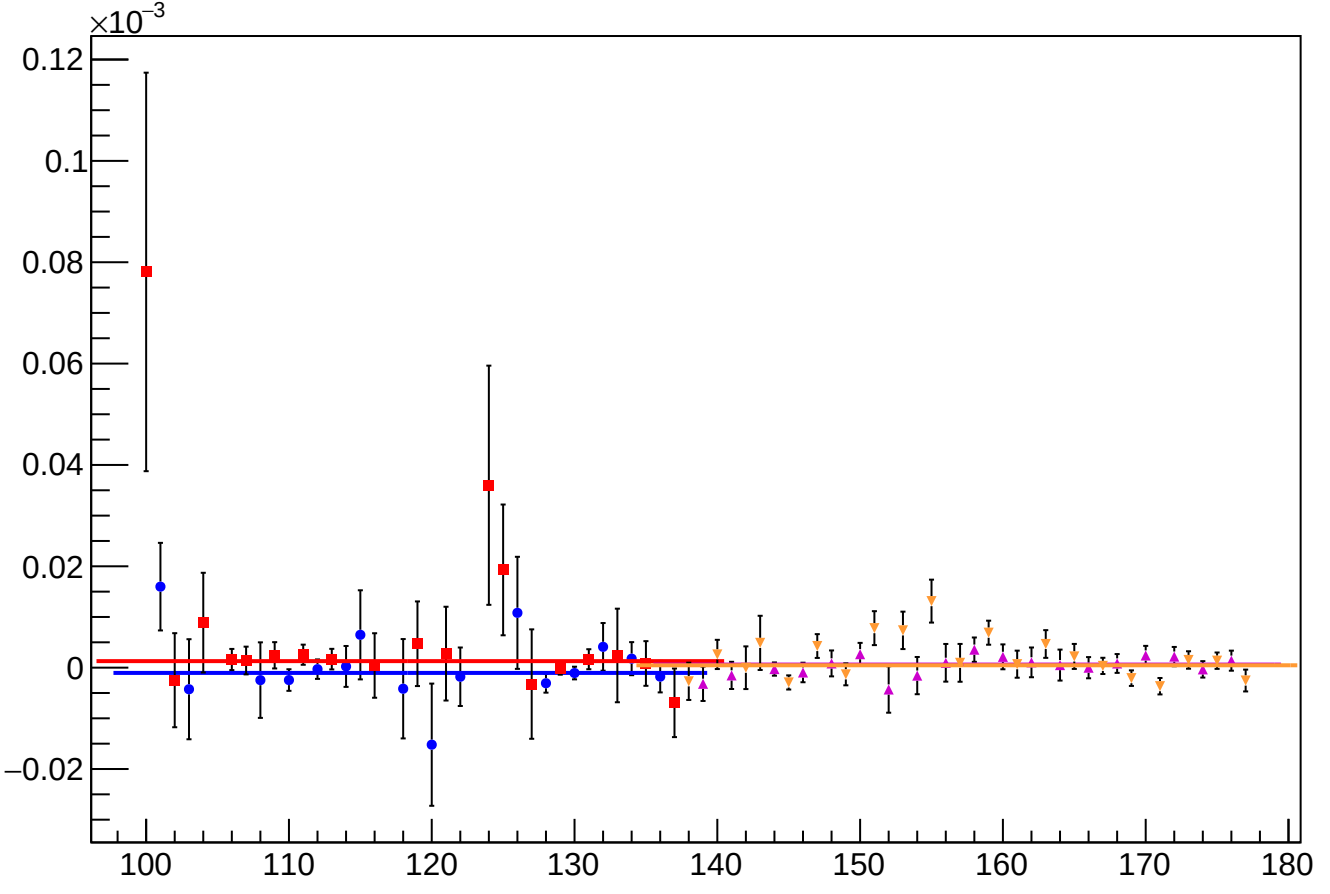
Left In: 24.075+/-0.006 χ^2/NDF:7575562.1/18

+ sign 30.444+/-0.006 χ^2/NDF: 12248418.5/36

All: 28.849+/-0.004 χ^2/NDF: 25675440.0/74

- sign 27.406+/-0.005 χ^2/NDF: 13277780.5/37

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:50.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

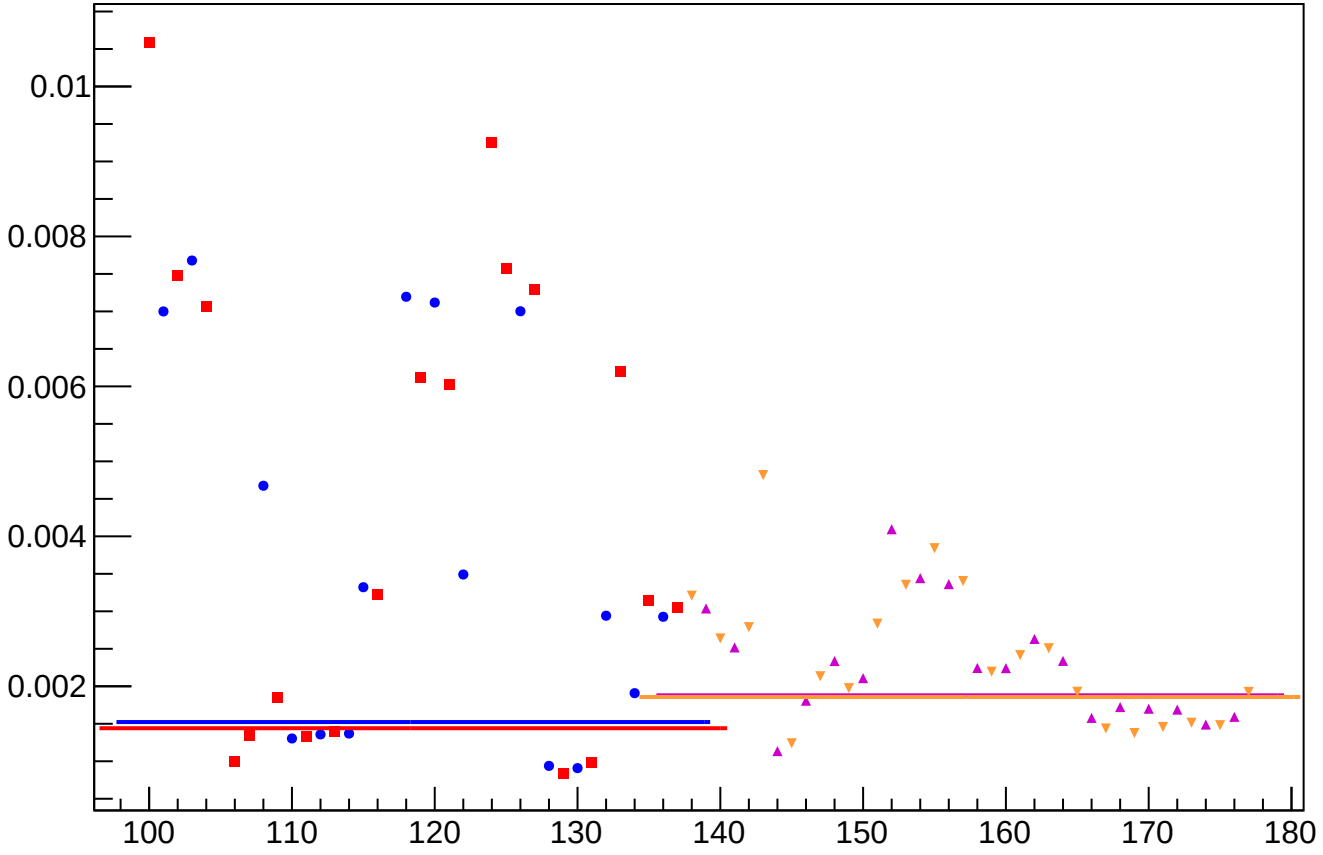
Left In: 0.000+/-0.000 χ^2/NDF:9.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/36

All: 0.000+/-0.000 χ^2/NDF: 89.2/74

- sign 0.000+/-0.000 χ^2/NDF: 22.5/37

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3720843.5/20

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

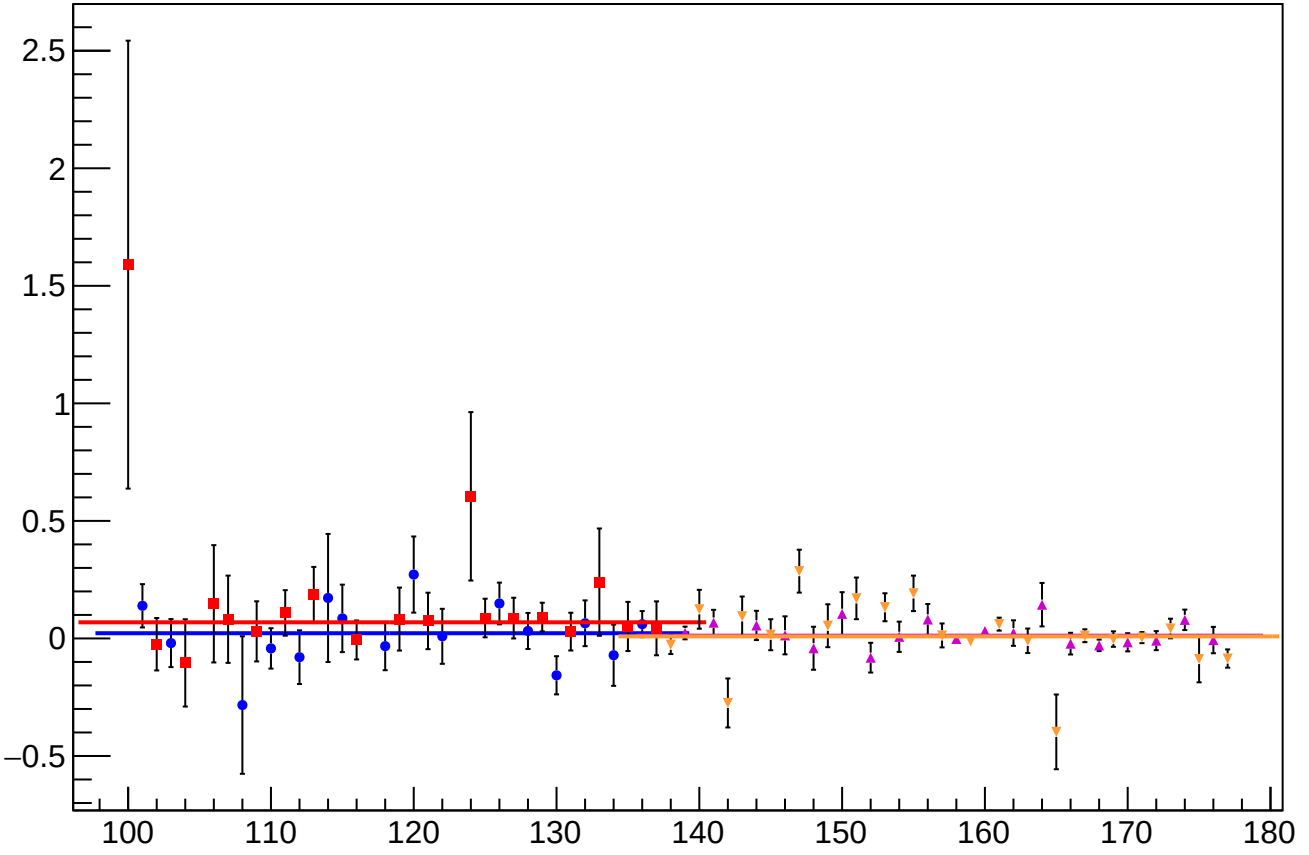
Left In: 0.002+/-0.000 χ^2/NDF:2748613.4/18

+ sign 0.002+/-0.000 χ^2/NDF: 9188865.0/36

All: 0.002+/-0.000 χ^2/NDF: 18248835.9/74

- sign 0.002+/-0.000 χ^2/NDF: 9055494.4/37

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:53.9/20

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

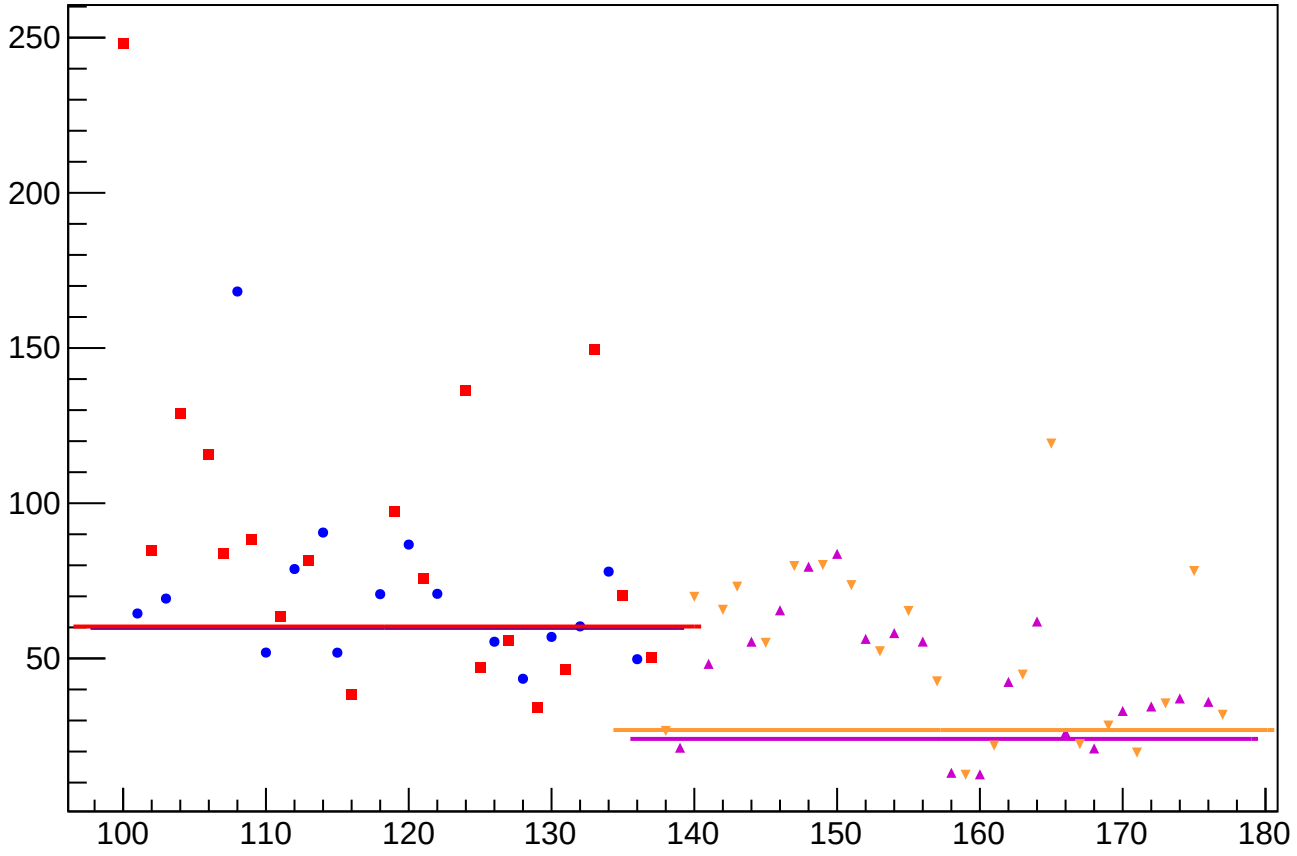
Left In: 0.012+/-0.008 χ^2/NDF:17.3/18

+ sign 0.010+/-0.008 χ^2/NDF: 69.6/36

All: 0.014+/-0.006 χ^2/NDF: 101.5/74

- sign 0.017+/-0.008 χ^2/NDF: 31.5/37

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.931+/-0.006 χ^2/NDF:8367010.8/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

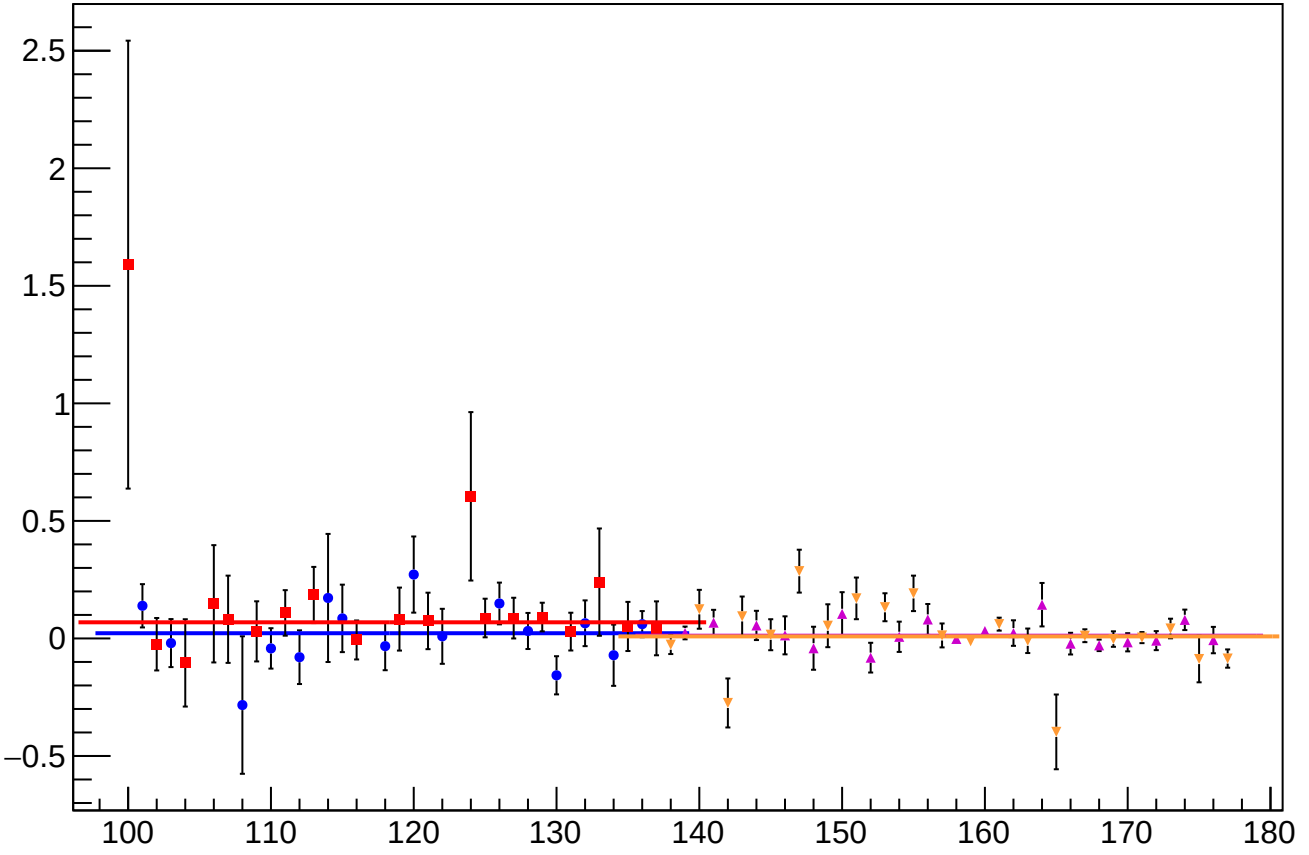
Left In: 24.075+/-0.006 χ^2/NDF:7576018.6/18

+ sign 30.443+/-0.006 χ^2/NDF: 12249753.7/36

All: 28.849+/-0.004 χ^2/NDF: 25677333.5/74

- sign 27.405+/-0.005 χ^2/NDF: 13278412.3/37

asym_sam3_eigen_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:53.9/20

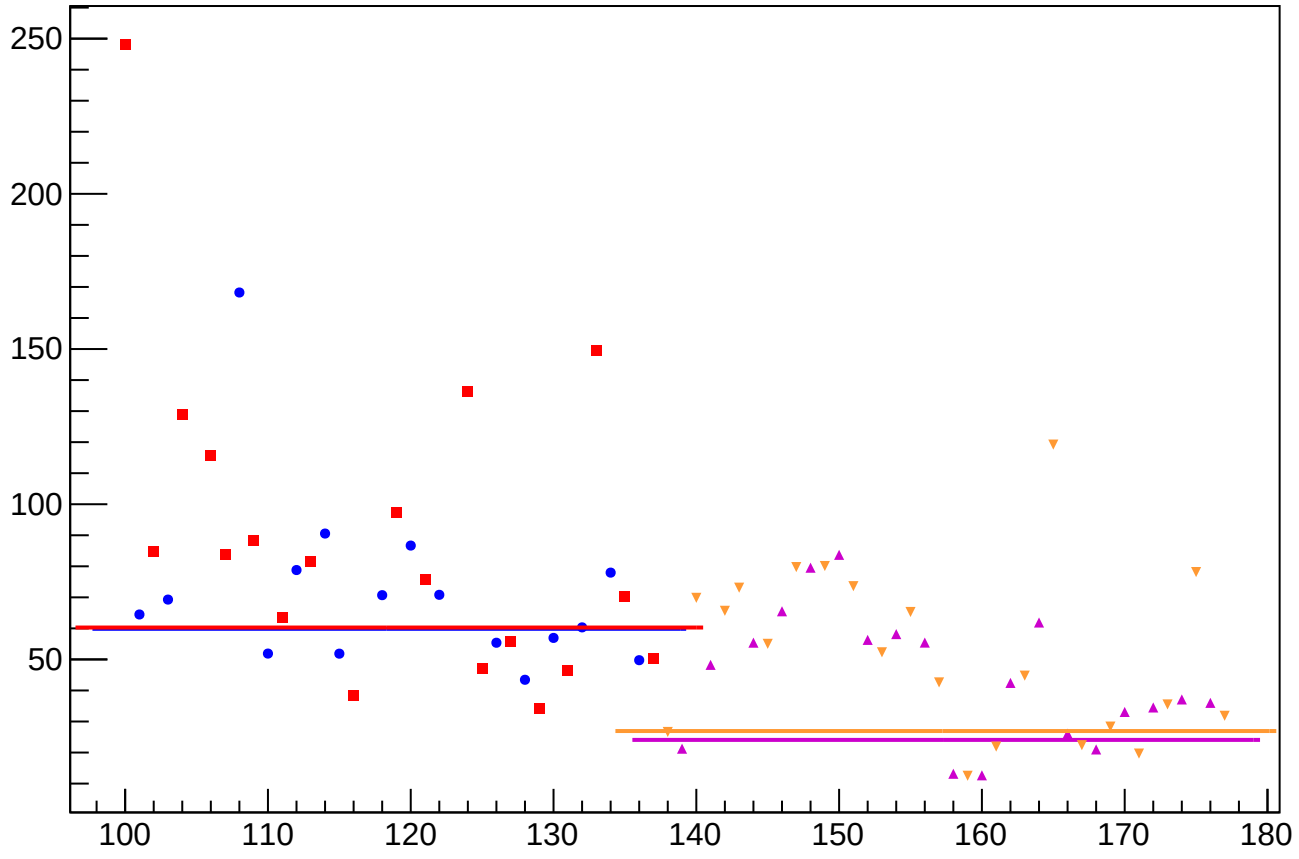
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.012+/-0.008 χ^2/NDF:17.3/18

+ sign 0.010+/-0.008 χ^2/NDF: 69.6/36

All: 0.014+/-0.006 χ^2/NDF: 101.5/74

- sign 0.017+/-0.008 χ^2/NDF: 31.5/37



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.931+/-0.006 χ^2/NDF:8367010.8/20

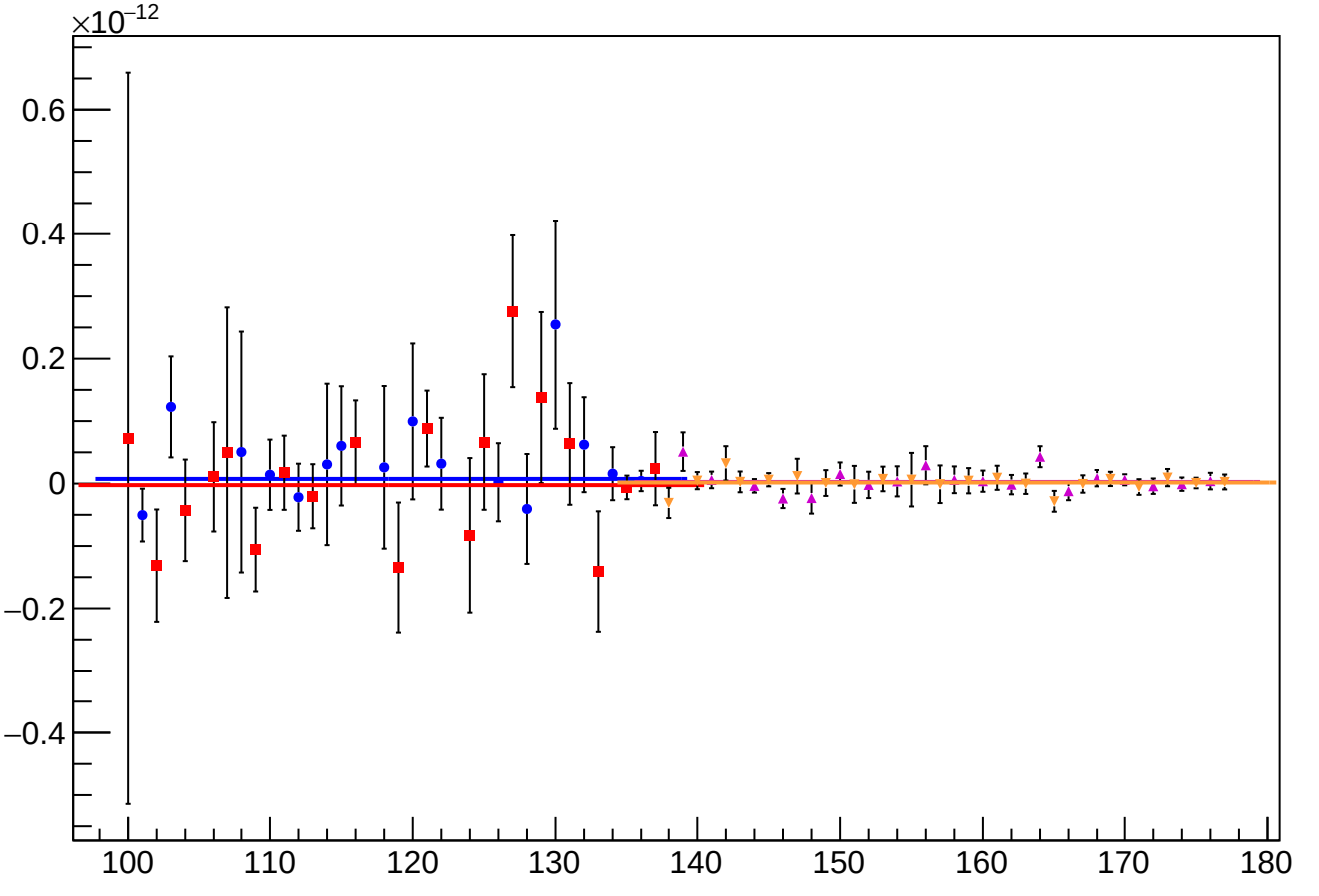
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.075+/-0.006 χ^2/NDF:7576018.6/18

+ sign 30.443+/-0.006 χ^2/NDF: 12249753.7/36

All: 28.849+/-0.004 χ^2/NDF: 25677333.5/74

- sign 27.405+/-0.005 χ^2/NDF: 13278412.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

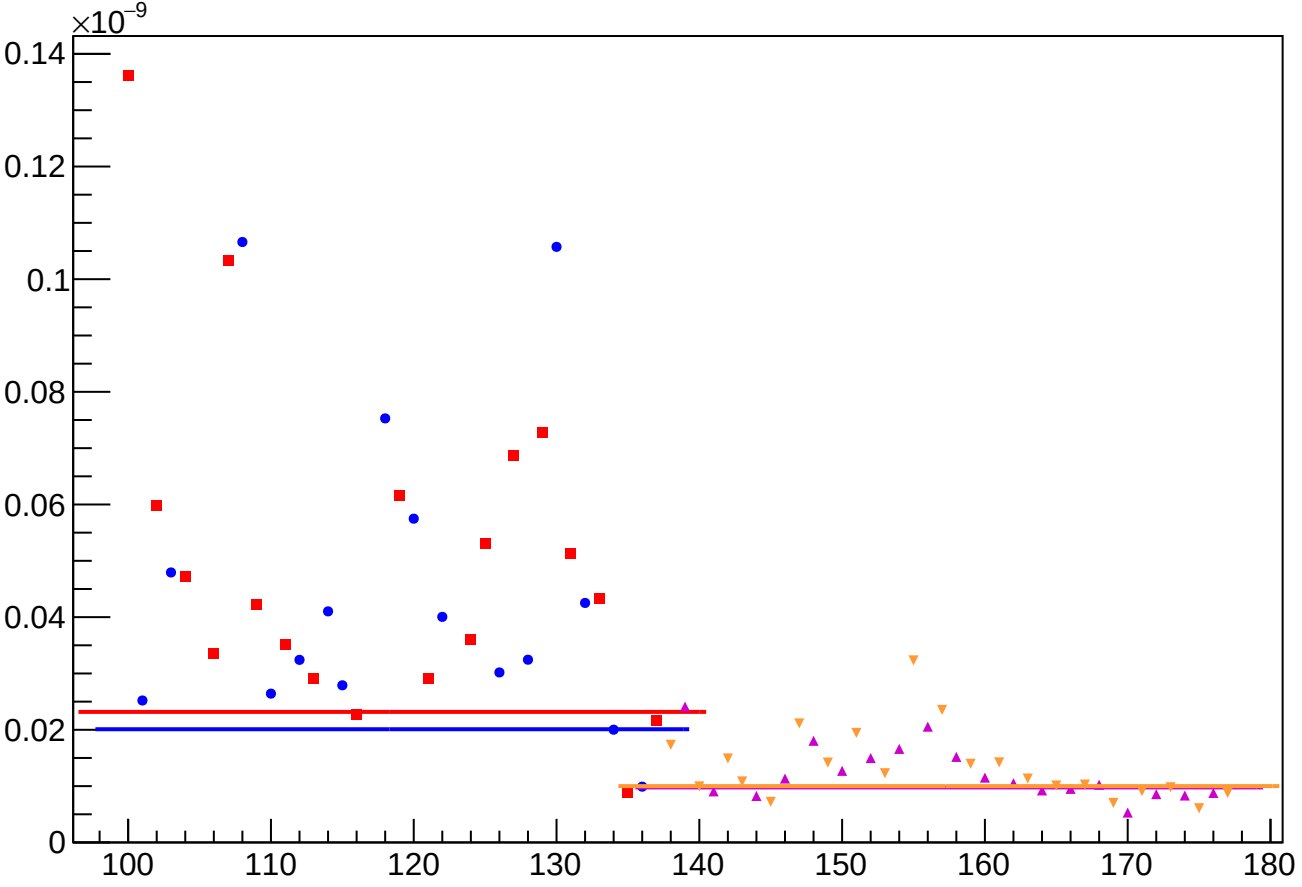
Left In: 0.000+/-0.000 χ^2/NDF:15.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 16.5/36

All: 0.000+/-0.000 χ^2/NDF: 52.2/74

- sign 0.000+/-0.000 χ^2/NDF: 35.7/37

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:2751694.8/20

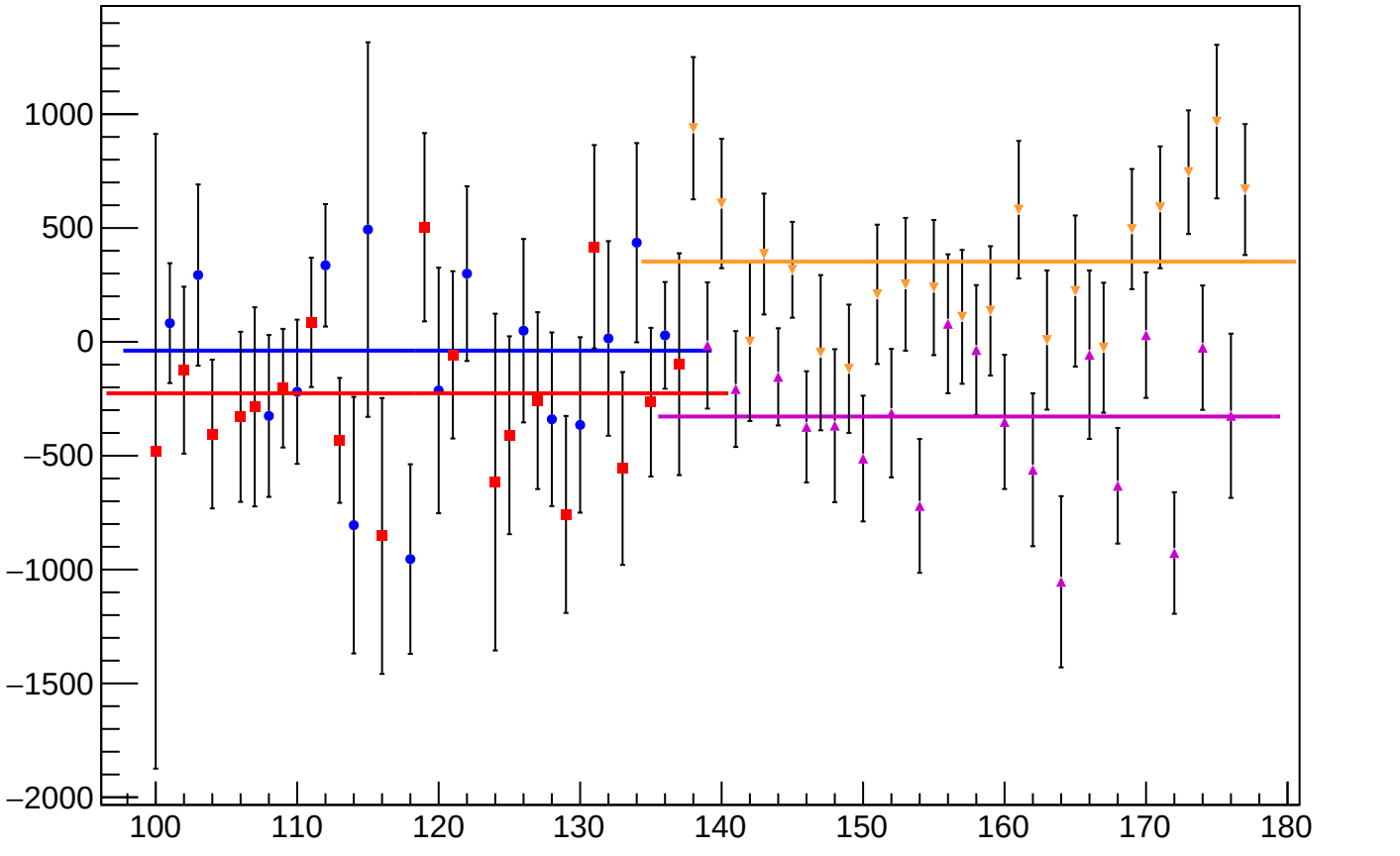
Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2036491.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 7156145.5/36

All: 0.000+/-0.000 χ^2/NDF: 14576469.0/74

- sign 0.000+/-0.000 χ^2/NDF: 7417759.9/37



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 352.498+/-62.944 χ^2/NDF:22.8/20

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

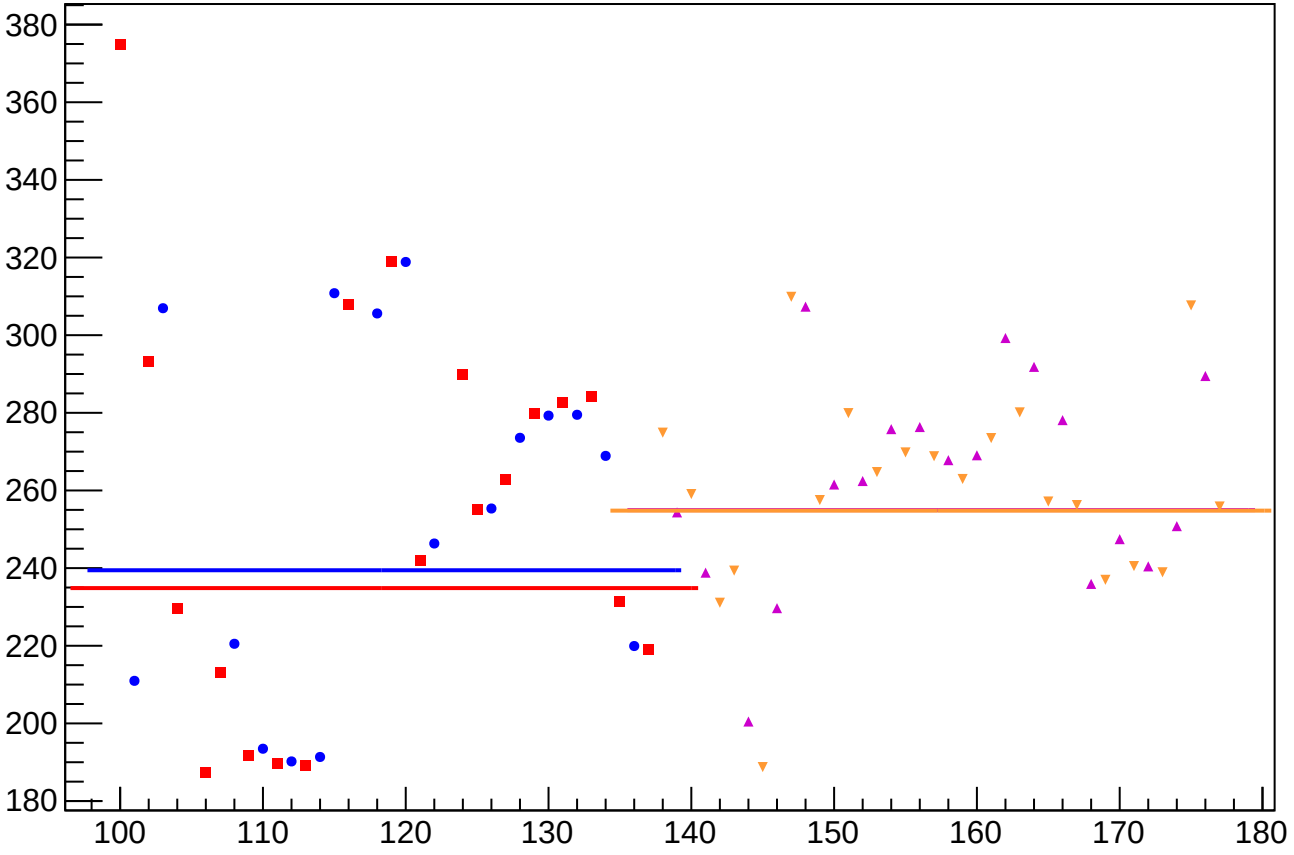
Left In: -327.933+/-65.242 χ^2/NDF:21.4/18

+ sign 225.247+/-51.697 χ^2/NDF: 49.8/36

All: -29.826+/-36.798 χ^2/NDF: 132.8/74

- sign -291.788+/-52.390 χ^2/NDF: 33.7/37

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 254.806+/-0.045 χ^2/NDF:393574.4/20

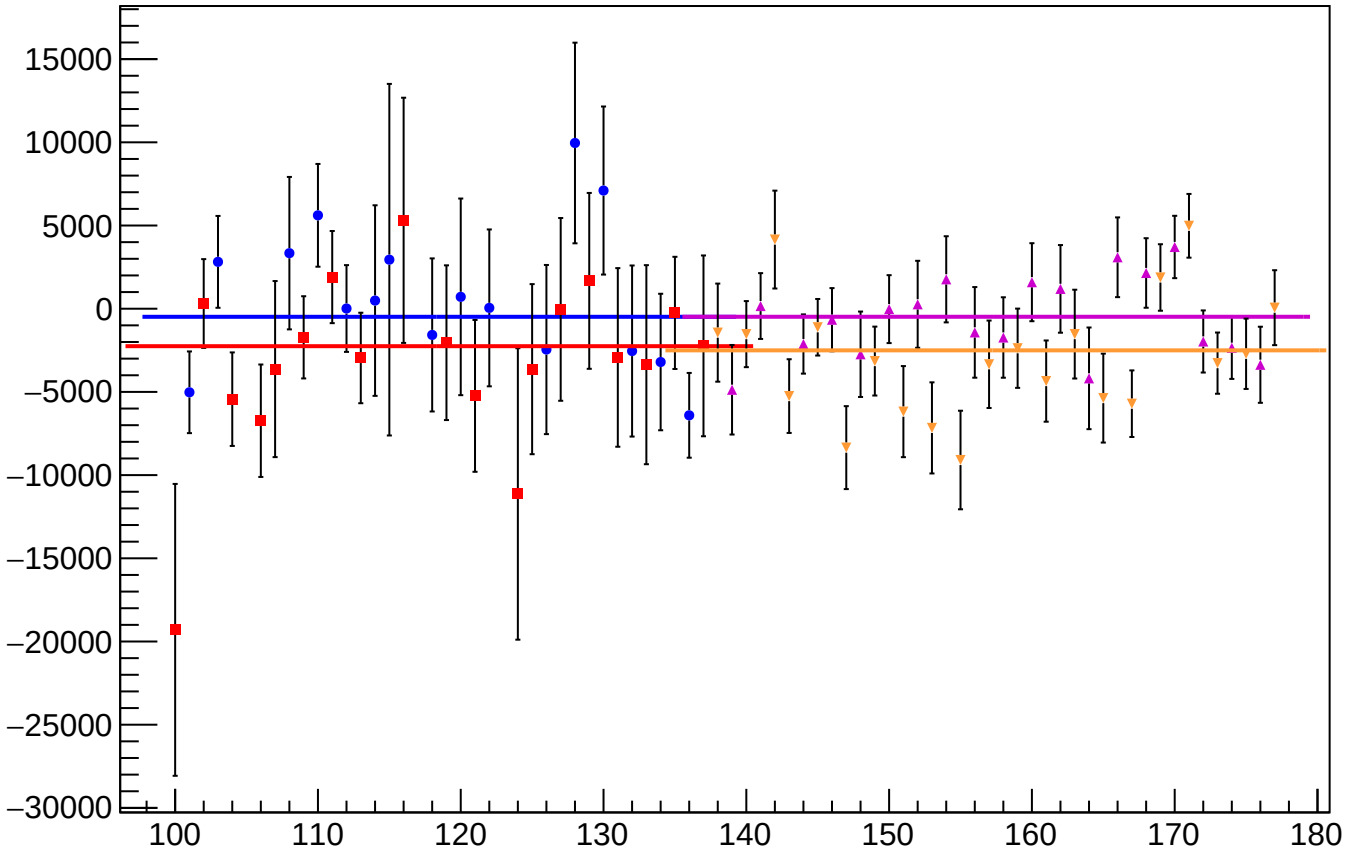
Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

+ sign 249.808+/-0.037 χ^2/NDF: 833275.0/36

All: 248.822+/-0.026 χ^2/NDF: 1722525.2/74

- sign 247.809+/-0.037 χ^2/NDF: 887775.4/37



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2502.492+/-495.759 χ^2/NDF:49.1/20

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

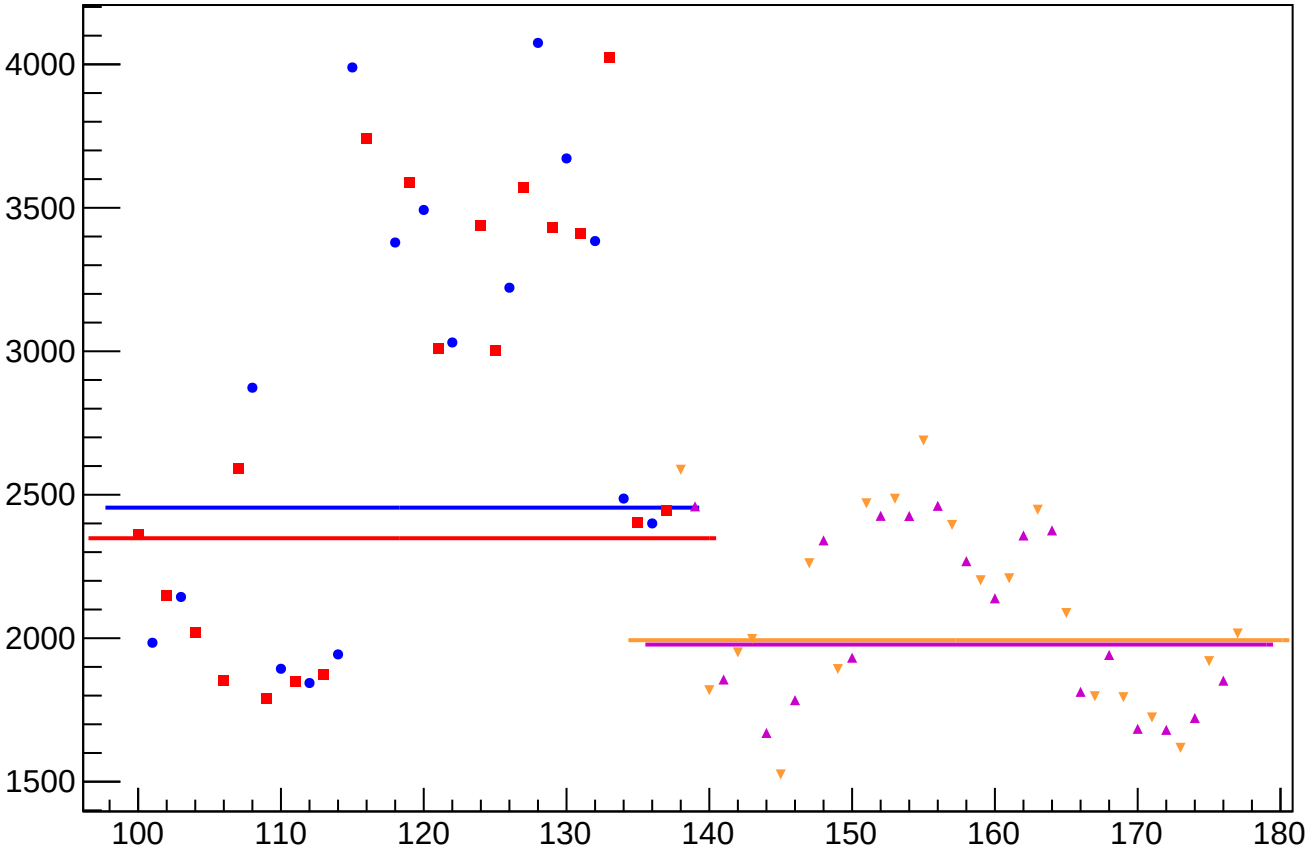
Left In: -483.915+/-508.636 χ^2/NDF:20.4/18

\+ sign -2069.048+/-439.260 χ^2/NDF: 73.7/36

All: -1496.321+/-311.607 χ^2/NDF: 114.4/74

\- sign -916.133+/-442.112 χ^2/NDF: 37.2/37

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1993.111+/-0.351 χ^2/NDF:814936.7/20

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

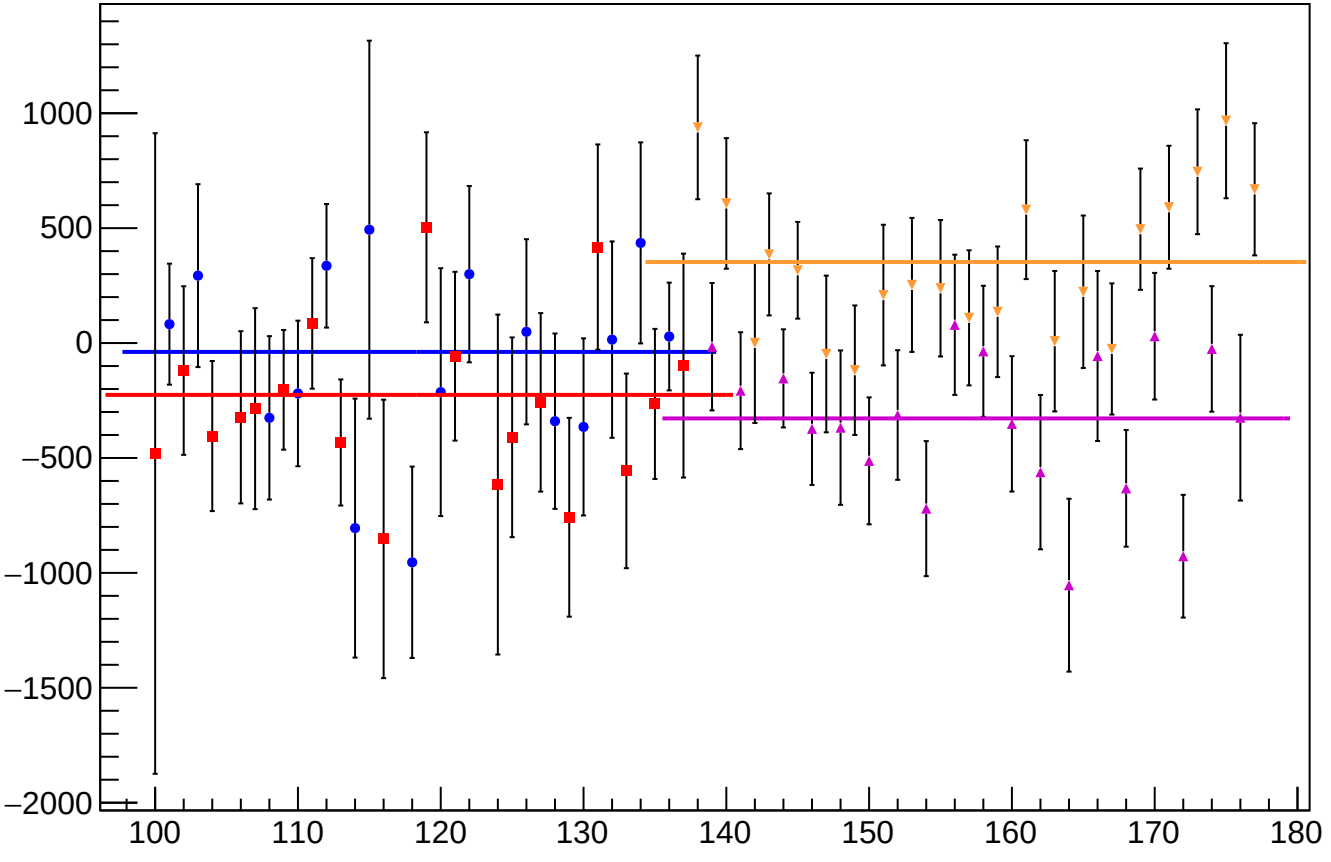
Left In: 1977.865+/-0.360 χ^2/NDF:642654.4/18

+ sign 2092.413+/-0.311 χ^2/NDF: 2082644.9/36

All: 2080.514+/-0.220 χ^2/NDF: 4040216.3/74

- sign 2068.461+/-0.313 χ^2/NDF: 1954617.4/37

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 352.510+/-62.944 χ^2/NDF:22.8/20

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

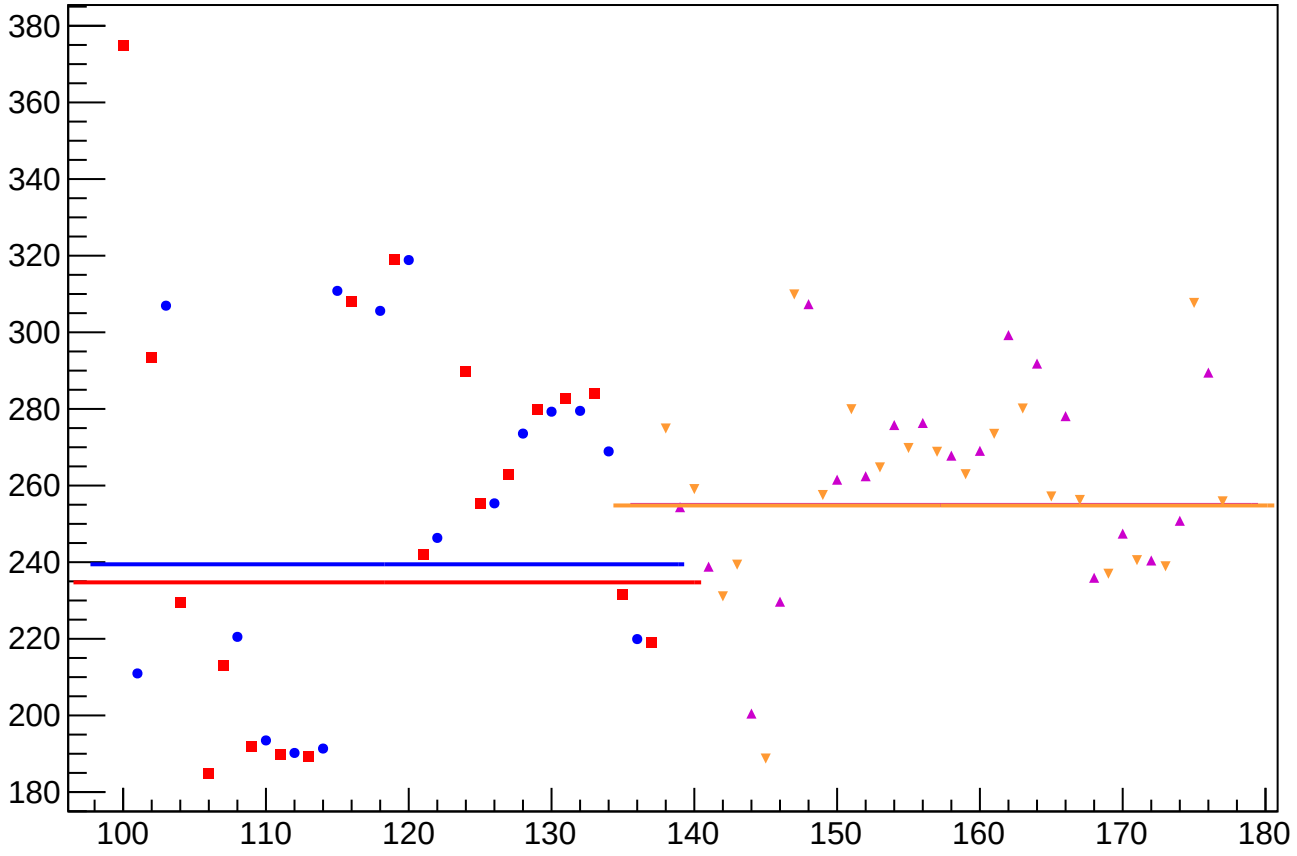
Left In: -327.936+/-65.242 χ^2/NDF:21.4/18

+ sign 225.248+/-51.697 χ^2/NDF: 49.8/36

All: -29.701+/-36.799 χ^2/NDF: 132.8/74

- sign -291.566+/-52.393 χ^2/NDF: 33.7/37

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.806+/-0.045 χ^2/NDF:393574.4/20

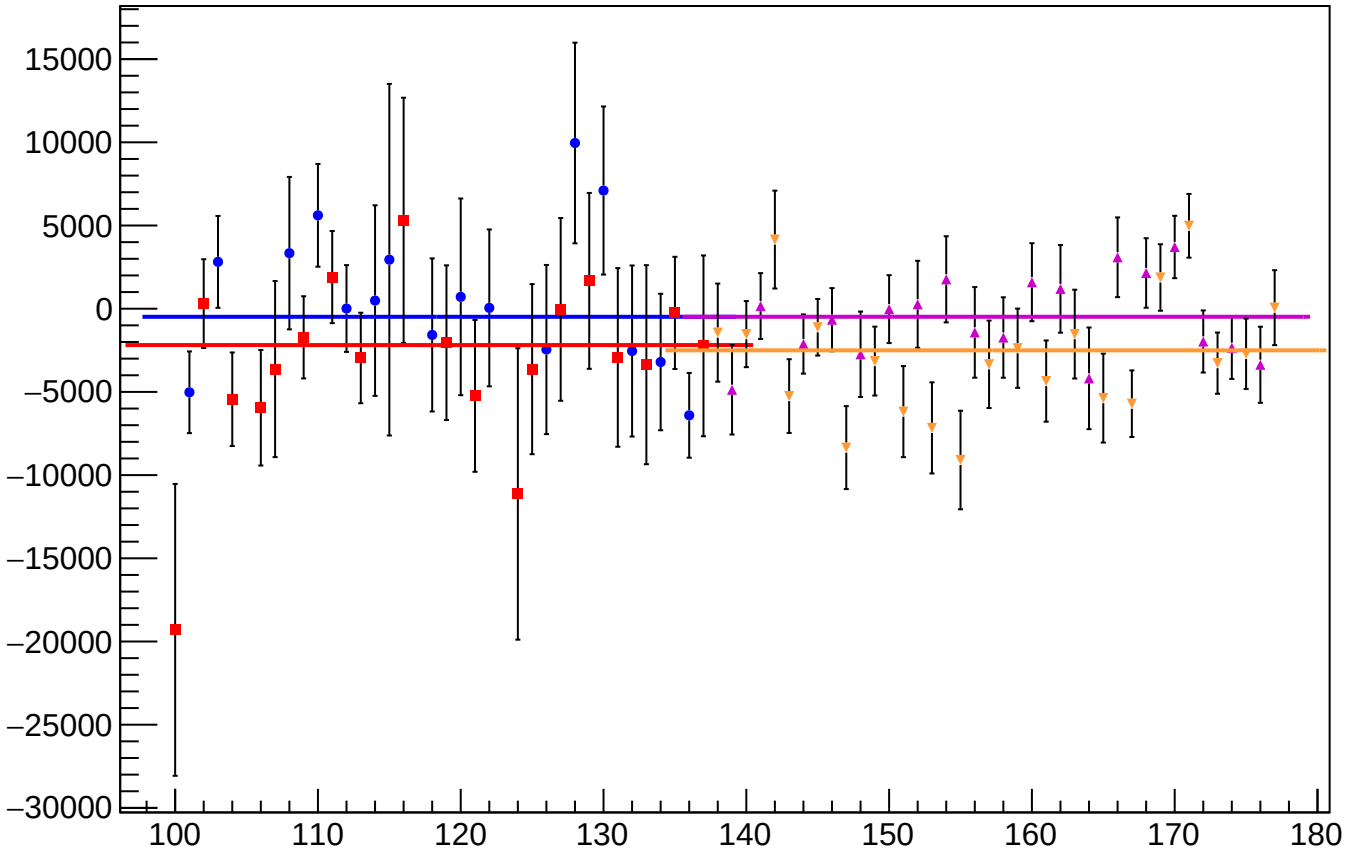
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

+ sign 249.808+/-0.037 χ^2/NDF: 833277.1/36

All: 248.801+/-0.026 χ^2/NDF: 1726917.6/74

- sign 247.767+/-0.037 χ^2/NDF: 892103.5/37



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2502.481+/-495.759 χ^2/NDF:49.1/20

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

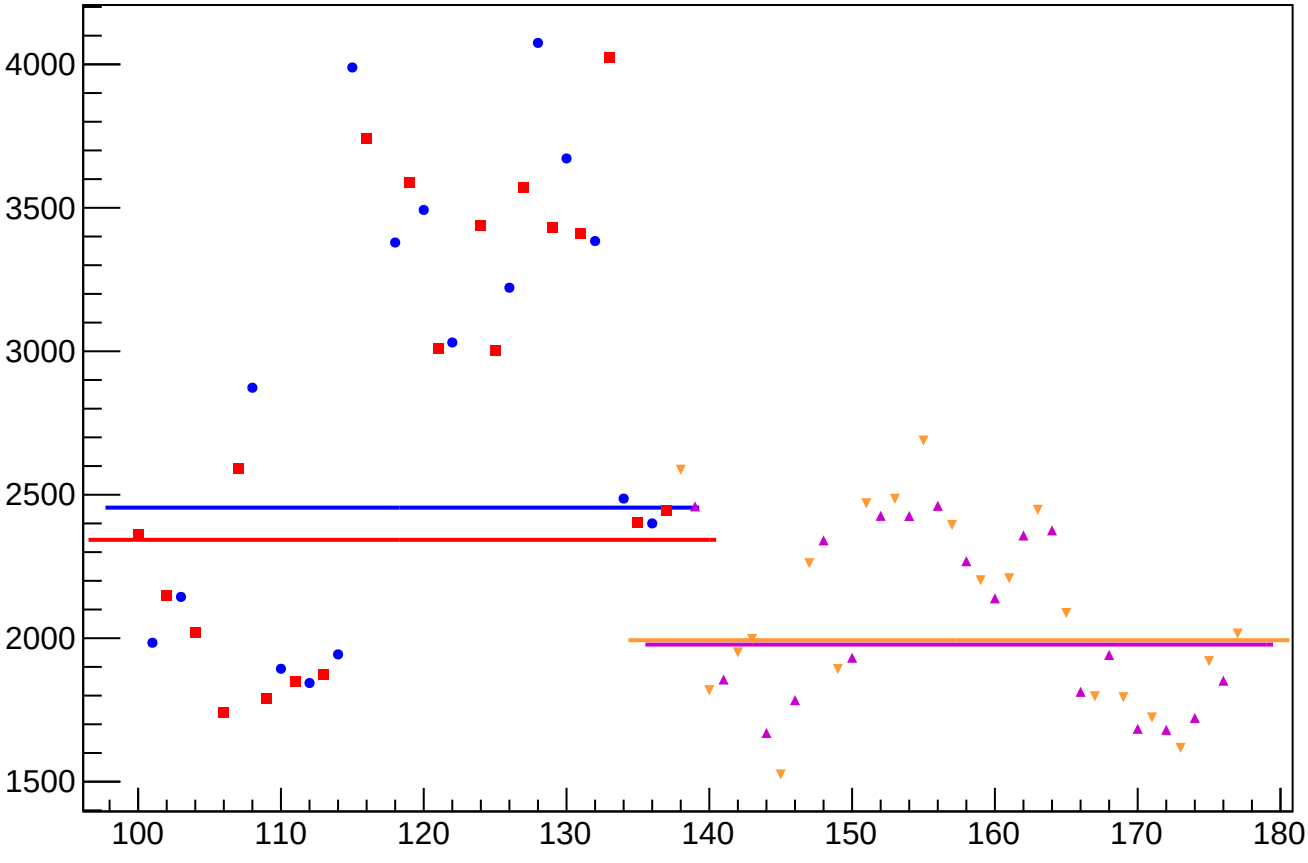
Left In: -483.928+/-508.636 χ^2/NDF:20.4/18

\+ sign -2069.082+/-439.261 χ^2/NDF: 73.7/36

All: -1487.879+/-311.679 χ^2/NDF: 113.6/74

\- sign -898.561+/-442.317 χ^2/NDF: 36.3/37

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1993.111+/-0.351 χ^2/NDF:814937.2/20

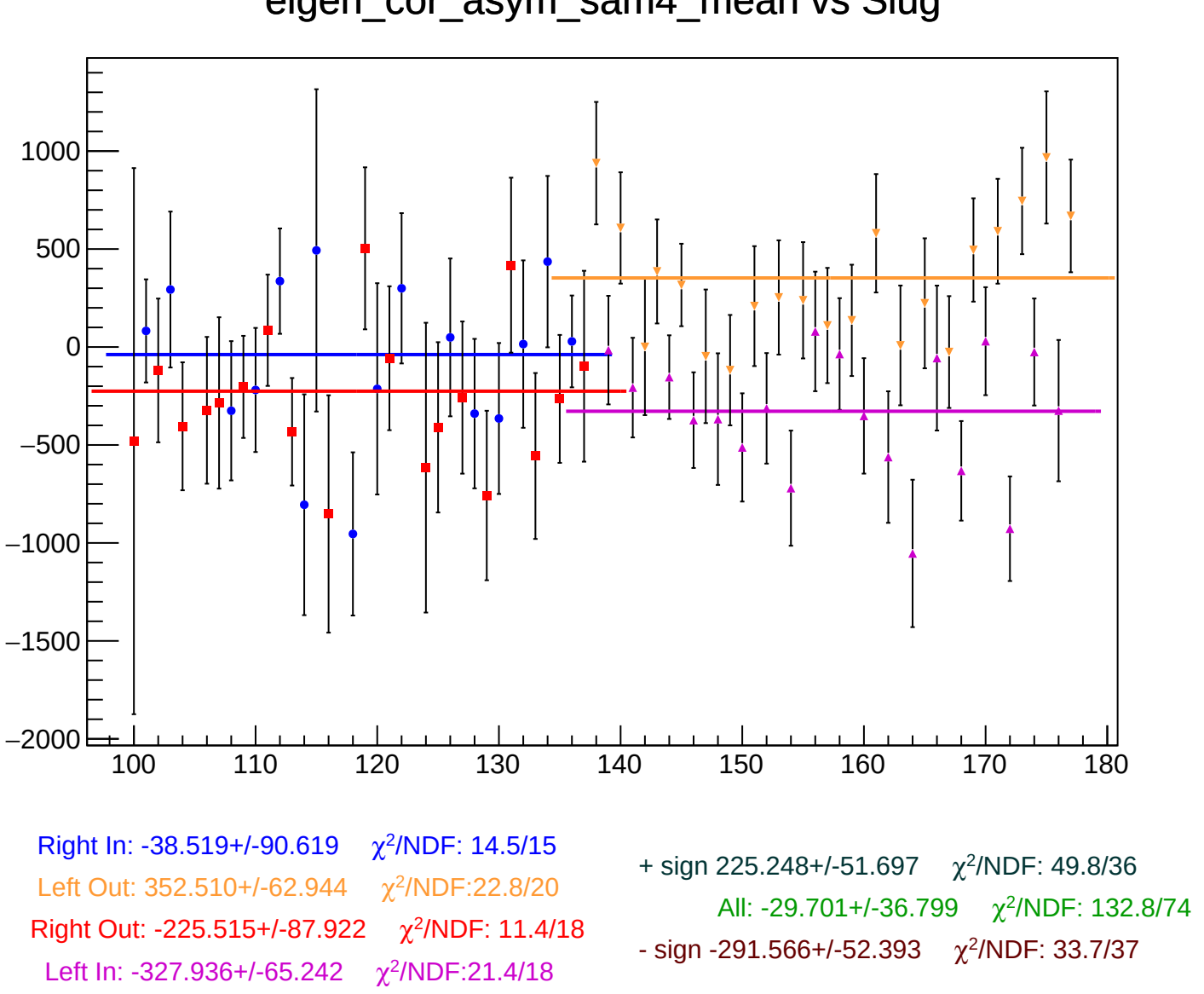
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1977.866+/-0.360 χ^2/NDF:642654.3/18

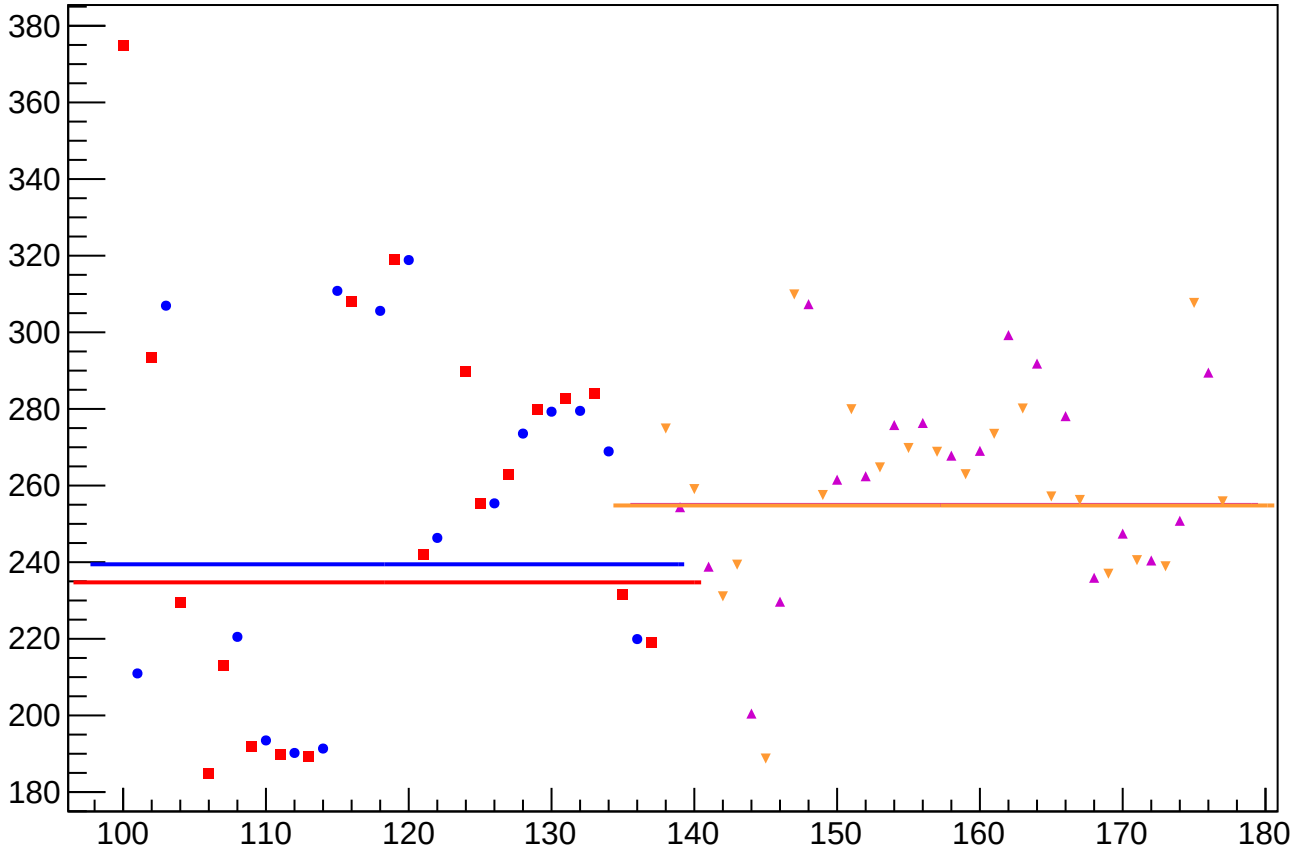
+ sign 2092.416+/-0.311 χ^2/NDF: 2082648.9/36

All: 2079.729+/-0.220 χ^2/NDF: 4050239.2/74

- sign 2066.864+/-0.313 χ^2/NDF: 1964230.0/37


eigen_cor_asym_sam4_mean vs Slug
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
180
Right In: -38.519+/-90.619 χ²/NDF: 14.5/15
Left Out: 352.510+/-62.944 χ²/NDF:22.8/20
Right Out: -225.515+/-87.922 χ²/NDF: 11.4/18
Left In: -327.936+/-65.242 χ²/NDF:21.4/18
+ sign 225.248+/-51.697 χ²/NDF: 49.8/36
All: -29.701+/-36.799 χ²/NDF: 132.8/74
- sign -291.566+/-52.393 χ²/NDF: 33.7/37

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.806+/-0.045 χ^2/NDF:393574.4/20

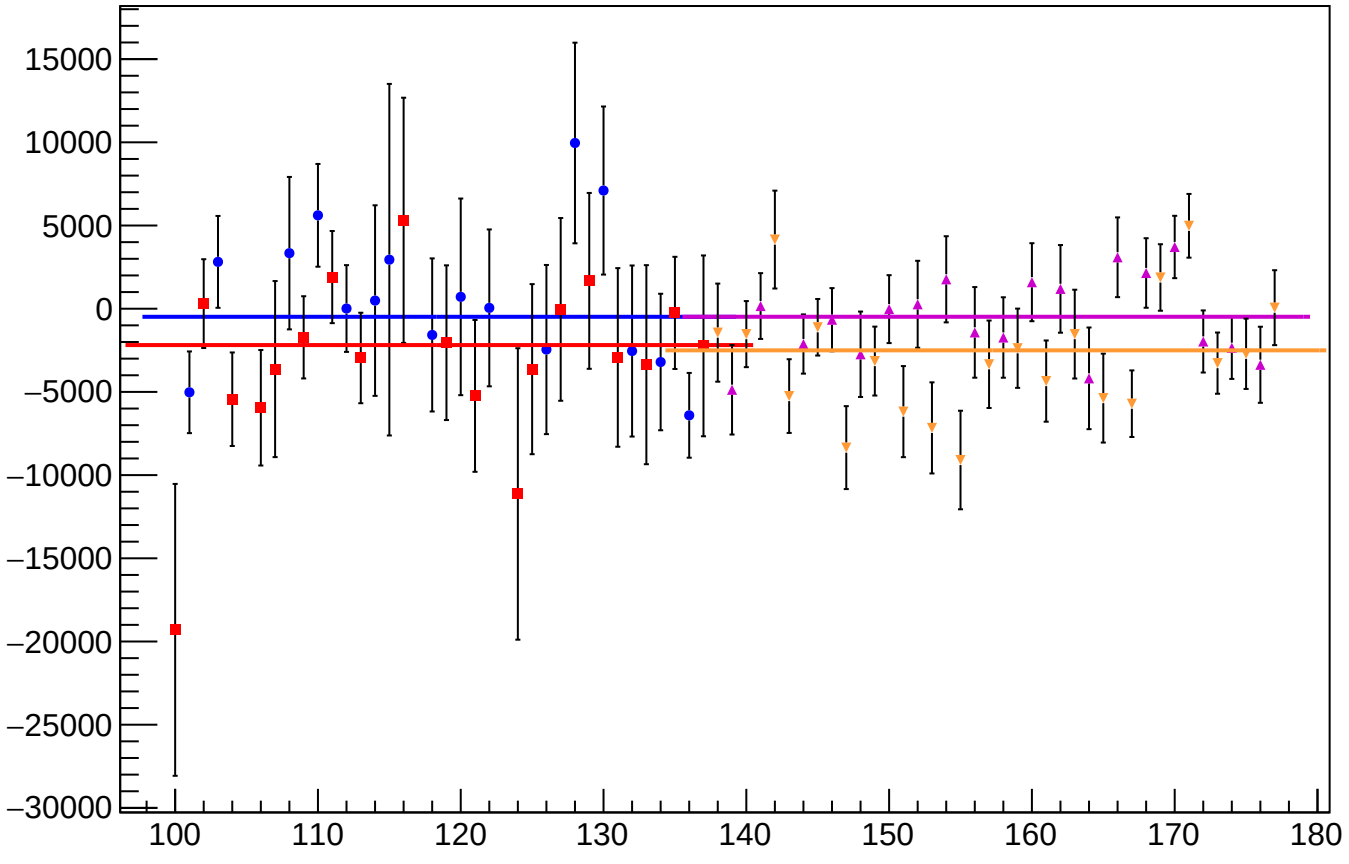
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

+ sign 249.808+/-0.037 χ^2/NDF: 833277.1/36

All: 248.801+/-0.026 χ^2/NDF: 1726917.6/74

- sign 247.767+/-0.037 χ^2/NDF: 892103.5/37



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2502.481+/-495.759 χ^2/NDF:49.1/20

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

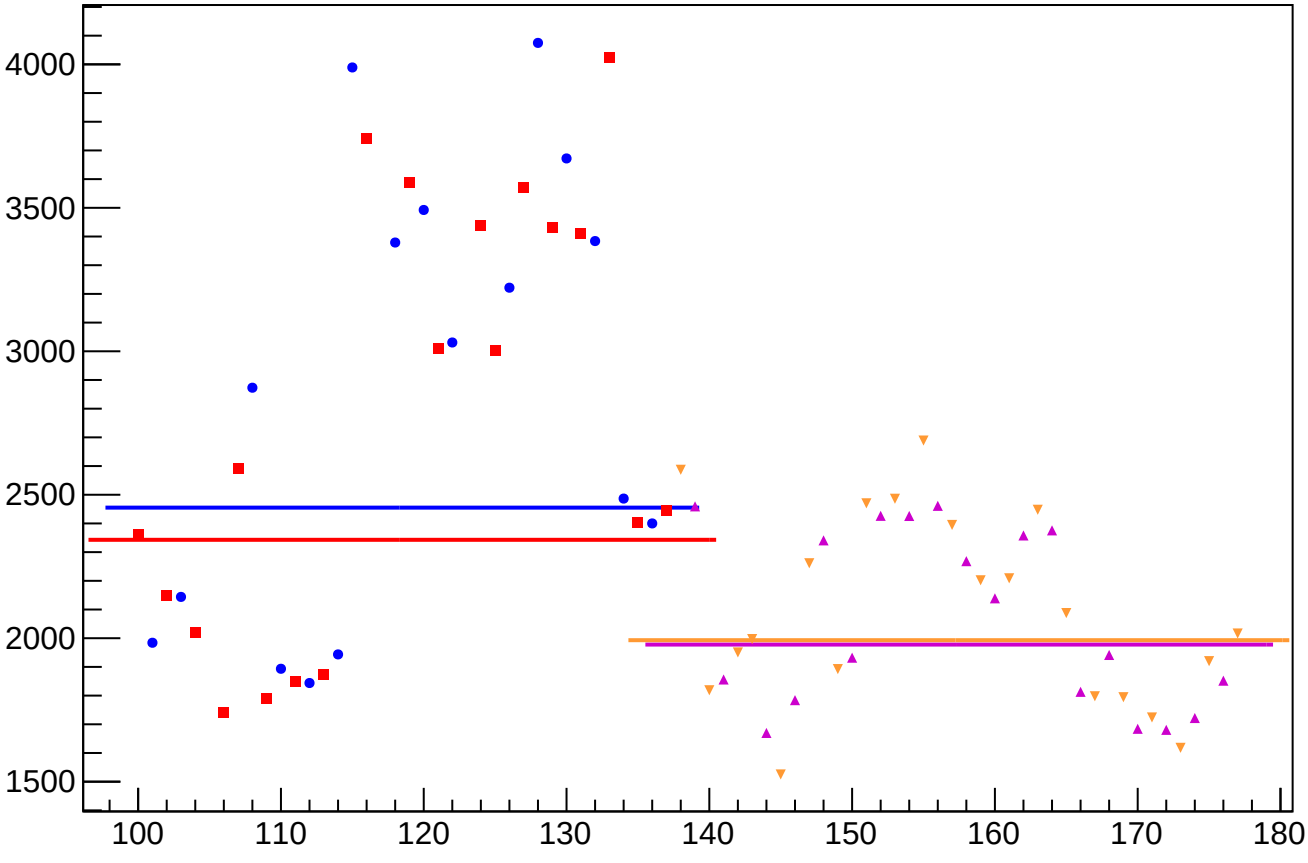
Left In: -483.928+/-508.636 χ^2/NDF:20.4/18

+ sign -2069.082+/-439.261 χ^2/NDF: 73.7/36

All: -1487.879+/-311.679 χ^2/NDF: 113.6/74

- sign -898.561+/-442.317 χ^2/NDF: 36.3/37

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1993.111+/-0.351 χ^2/NDF:814937.2/20

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

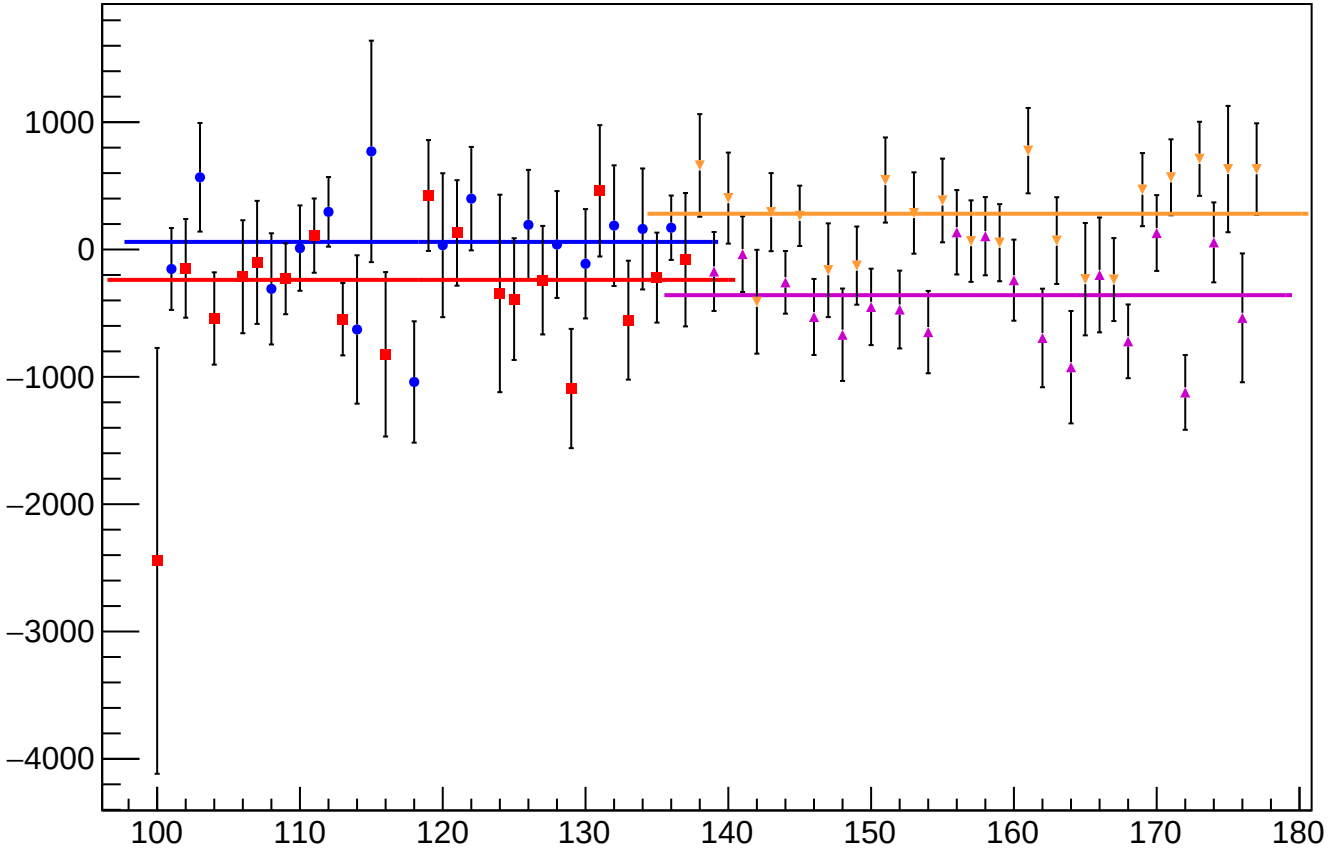
Left In: 1977.866+/-0.360 χ^2/NDF:642654.3/18

+ sign 2092.416+/-0.311 χ^2/NDF: 2082648.9/36

All: 2079.729+/-0.220 χ^2/NDF: 4050239.2/74

- sign 2066.864+/-0.313 χ^2/NDF: 1964230.0/37

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 280.931+/-71.768 χ^2/NDF:20.3/20

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

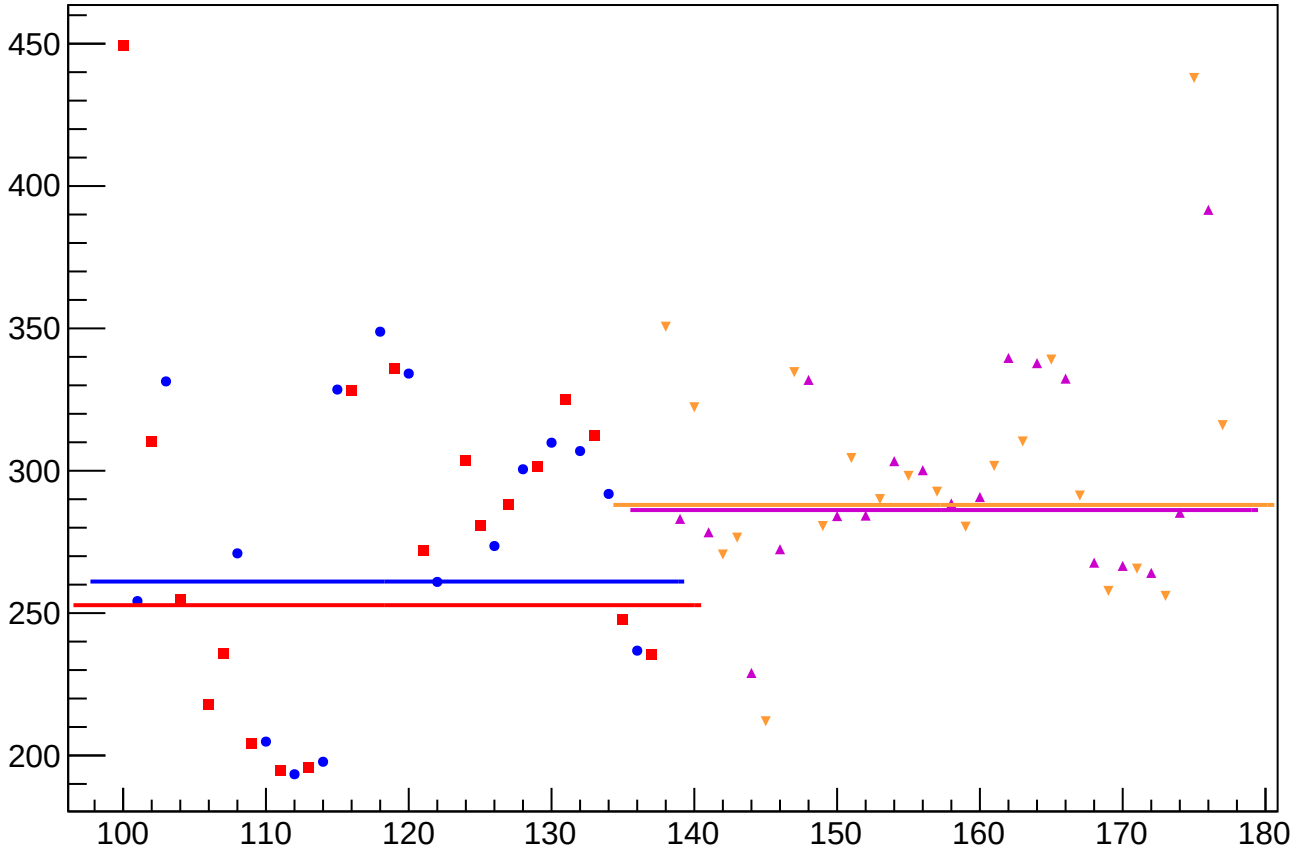
Left In: -358.623+/-73.807 χ^2/NDF:23.8/18

+ sign 204.960+/-58.153 χ^2/NDF: 35.5/36

All: -53.597+/-41.172 χ^2/NDF: 115.0/74

- sign -313.452+/-58.298 χ^2/NDF: 39.8/37

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 288.001+/-0.051 χ^2/NDF:612014.3/20

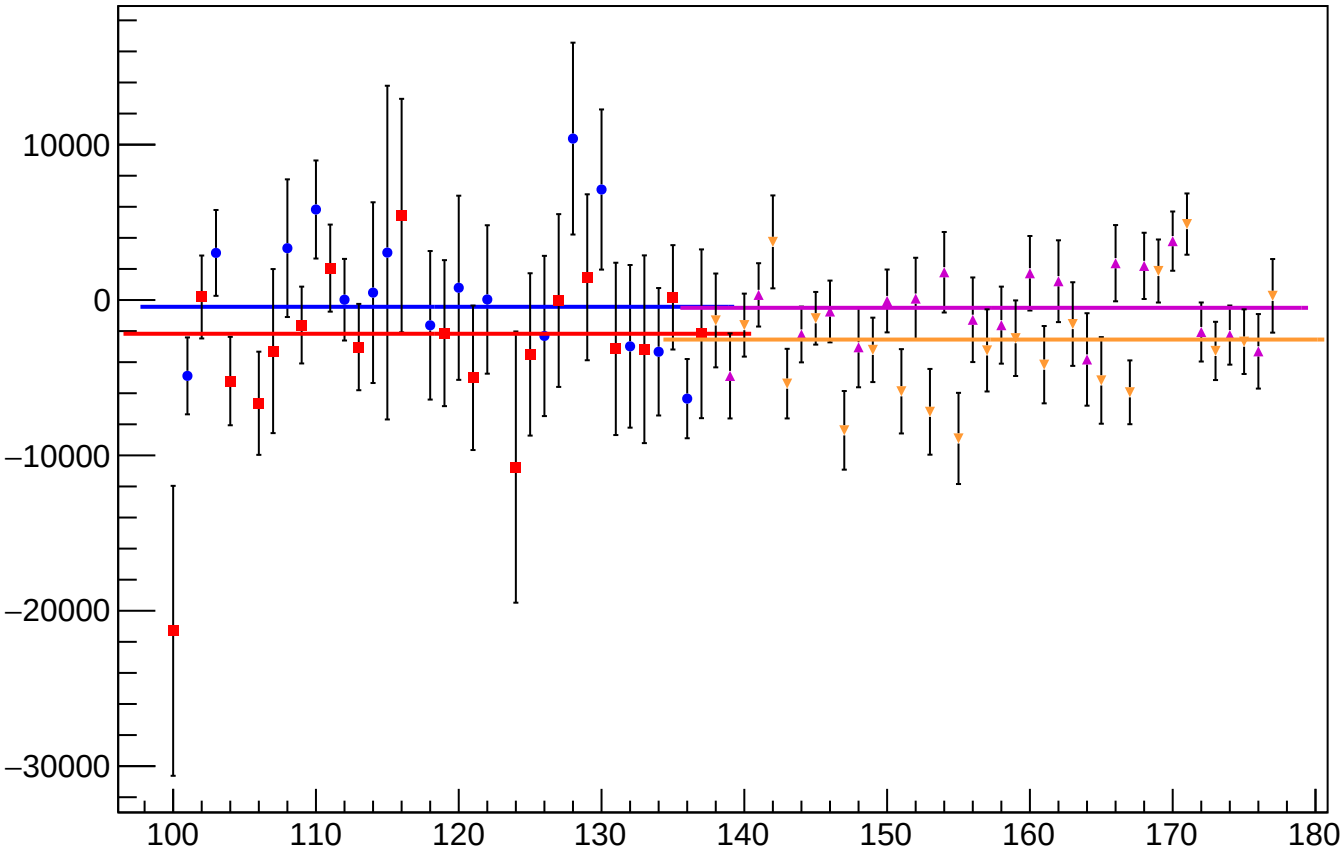
Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 286.191+/-0.052 χ^2/NDF:357014.4/18

+ sign 278.758+/-0.041 χ^2/NDF: 1171263.6/36

All: 276.199+/-0.029 χ^2/NDF: 2227404.6/74

- sign 273.628+/-0.041 χ^2/NDF: 1048377.4/37



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2544.620+/-502.773 χ^2/NDF:46.3/20

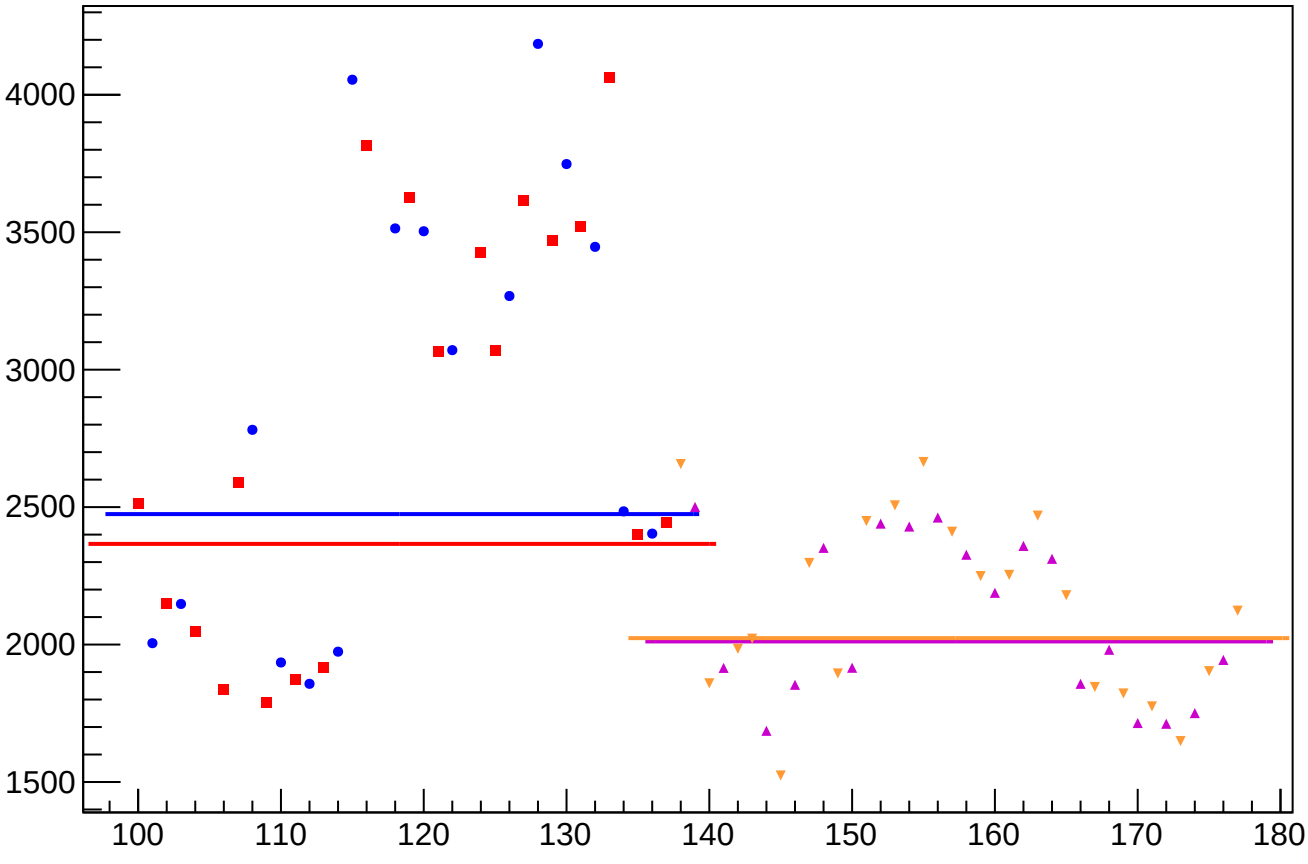
Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: -502.348+/-516.880 χ^2/NDF:19.2/18

+ sign -2087.276+/-444.900 χ^2/NDF: 71.3/36

All: -1506.034+/-315.806 χ^2/NDF: 110.6/74

- sign -915.726+/-448.356 χ^2/NDF: 35.8/37



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2023.395+/-0.356 χ^2/NDF:807021.6/20

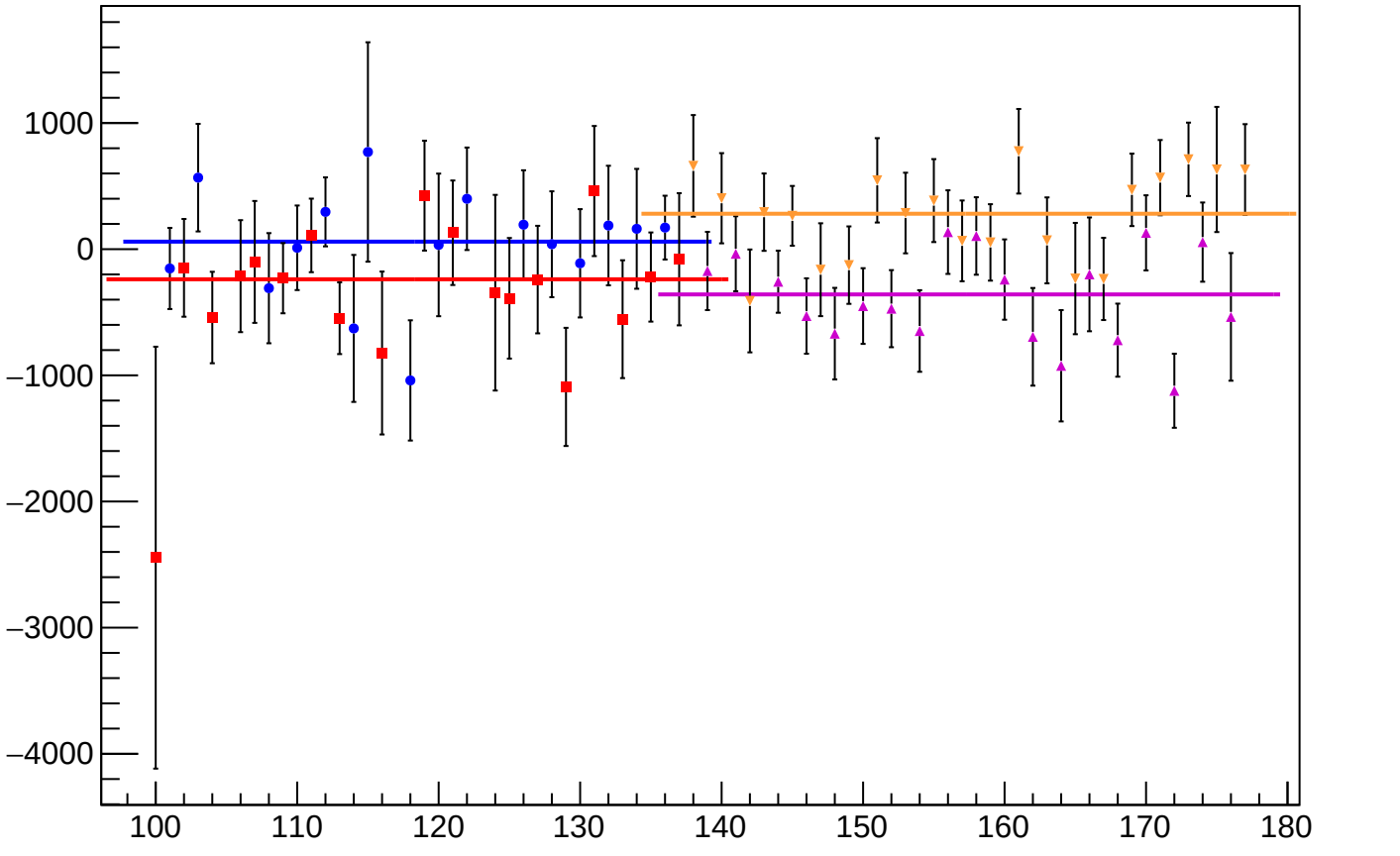
Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2011.388+/-0.365 χ^2/NDF:590000.0/18

+ sign 2121.296+/-0.315 χ^2/NDF: 2072792.3/36

All: 2110.351+/-0.223 χ^2/NDF: 3975751.2/74

- sign 2099.234+/-0.317 χ^2/NDF: 1900518.9/37



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 280.935+/-71.769 χ^2/NDF:20.3/20

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

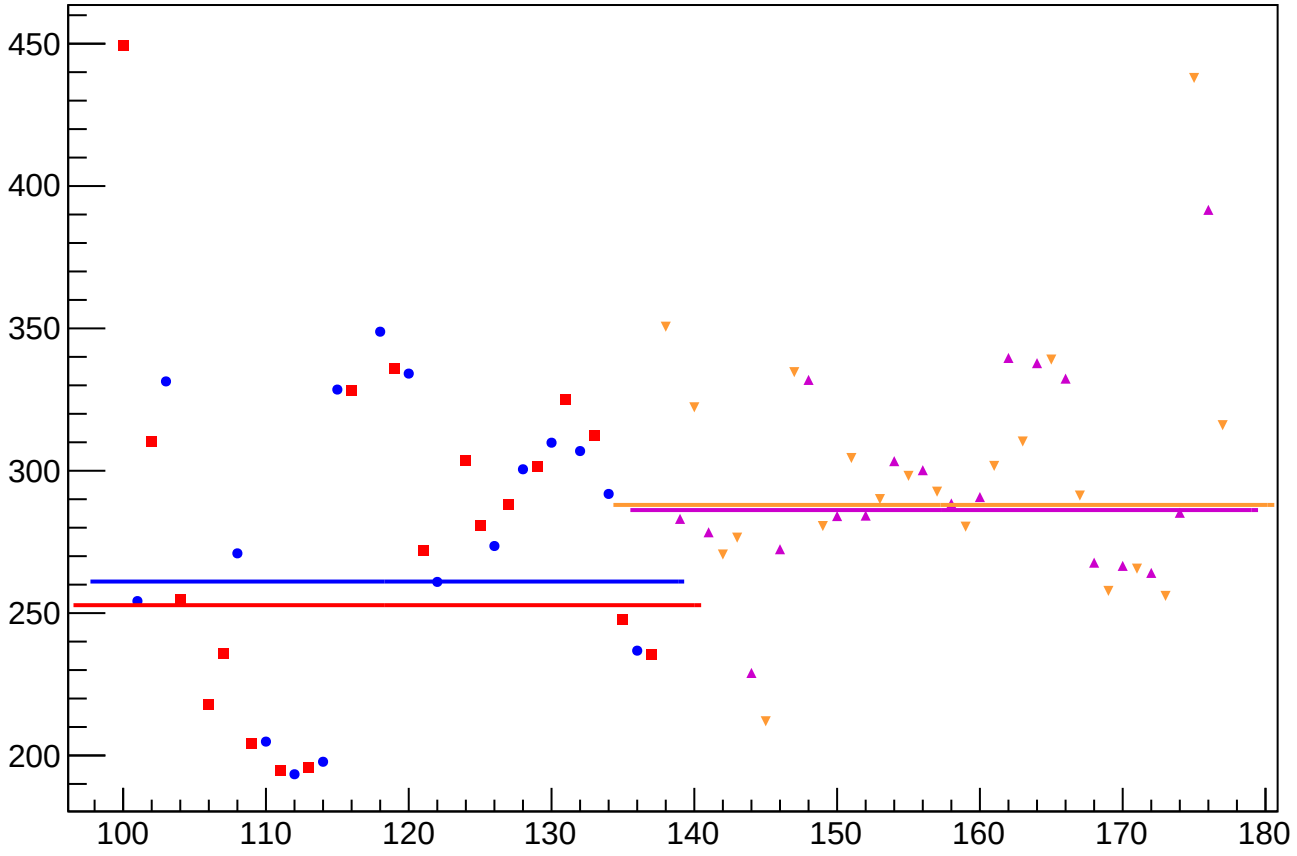
Left In: -358.624+/-73.807 χ^2/NDF:23.8/18

+ sign 204.965+/-58.153 χ^2/NDF: 35.5/36

All: -53.595+/-41.172 χ^2/NDF: 115.0/74

- sign -313.452+/-58.298 χ^2/NDF: 39.8/37

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 288.001+/-0.051 χ^2/NDF:612008.7/20

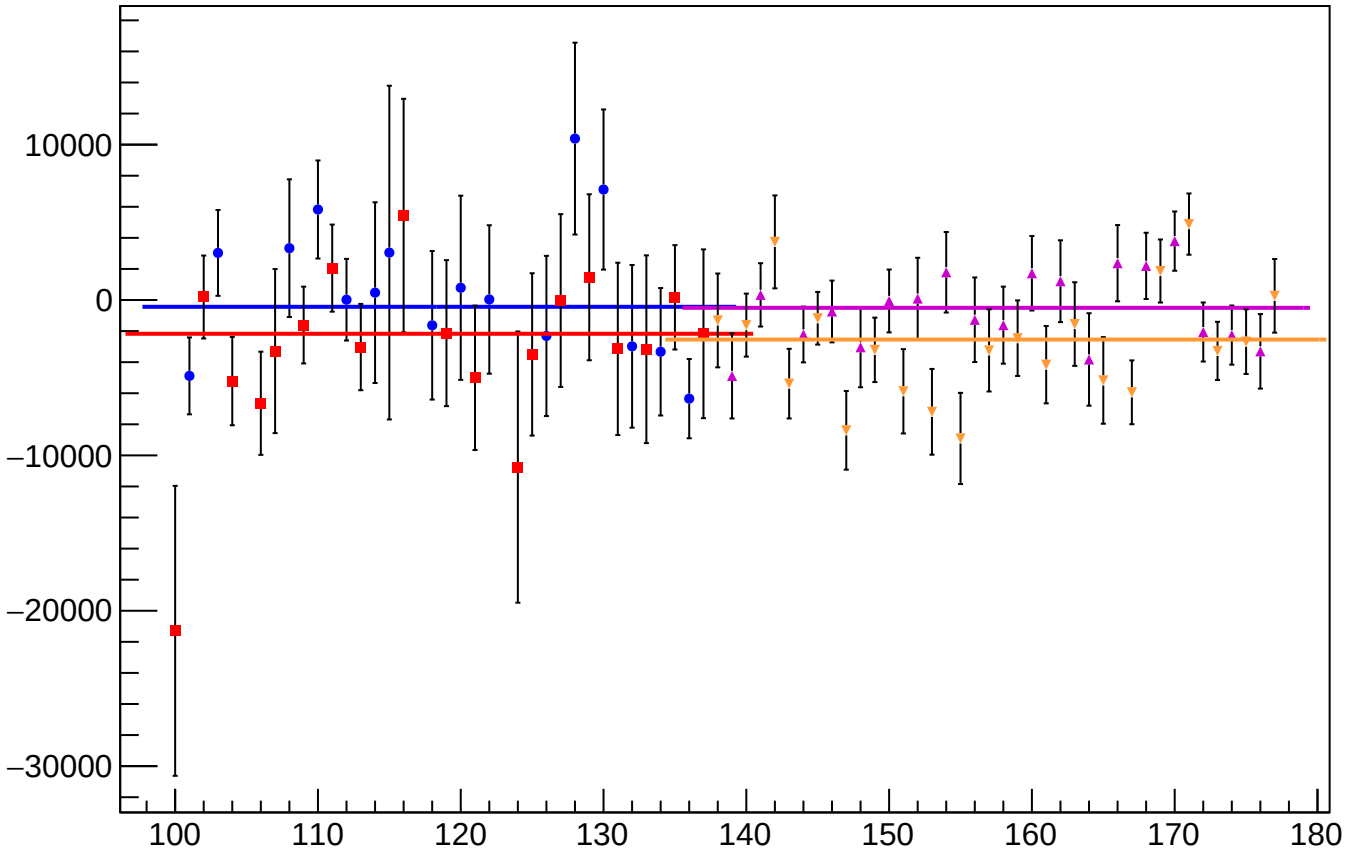
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 286.191+/-0.052 χ^2/NDF:357009.3/18

+ sign 278.758+/-0.041 χ^2/NDF: 1171262.6/36

All: 276.200+/-0.029 χ^2/NDF: 2227404.5/74

- sign 273.628+/-0.041 χ^2/NDF: 1048378.2/37



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2544.615+/-502.773 χ^2/NDF:46.3/20

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

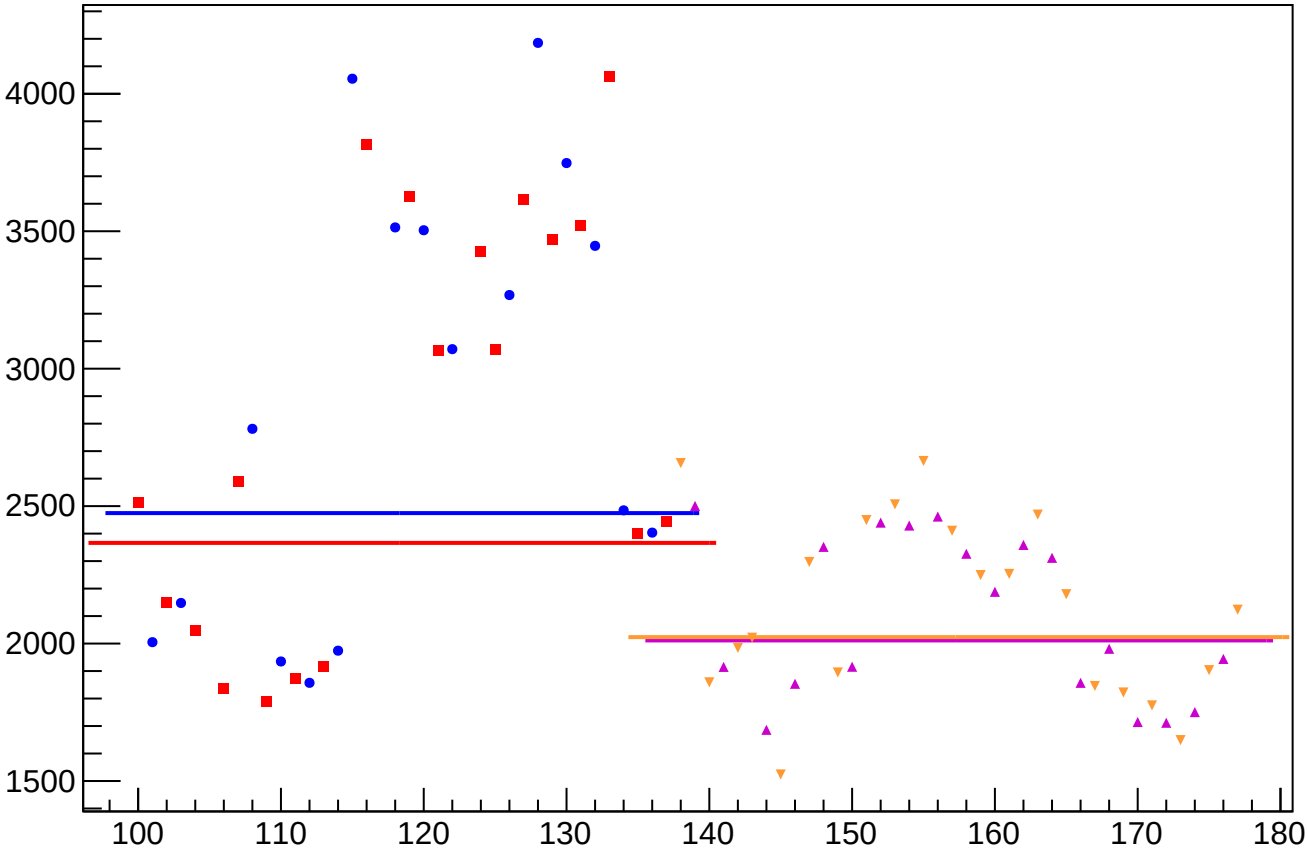
Left In: -502.345+/-516.879 χ^2/NDF:19.2/18

+ sign -2087.272+/-444.899 χ^2/NDF: 71.3/36

All: -1506.031+/-315.806 χ^2/NDF: 110.6/74

- sign -915.723+/-448.355 χ^2/NDF: 35.8/37

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2023.392+/-0.356 χ^2/NDF:807025.5/20

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

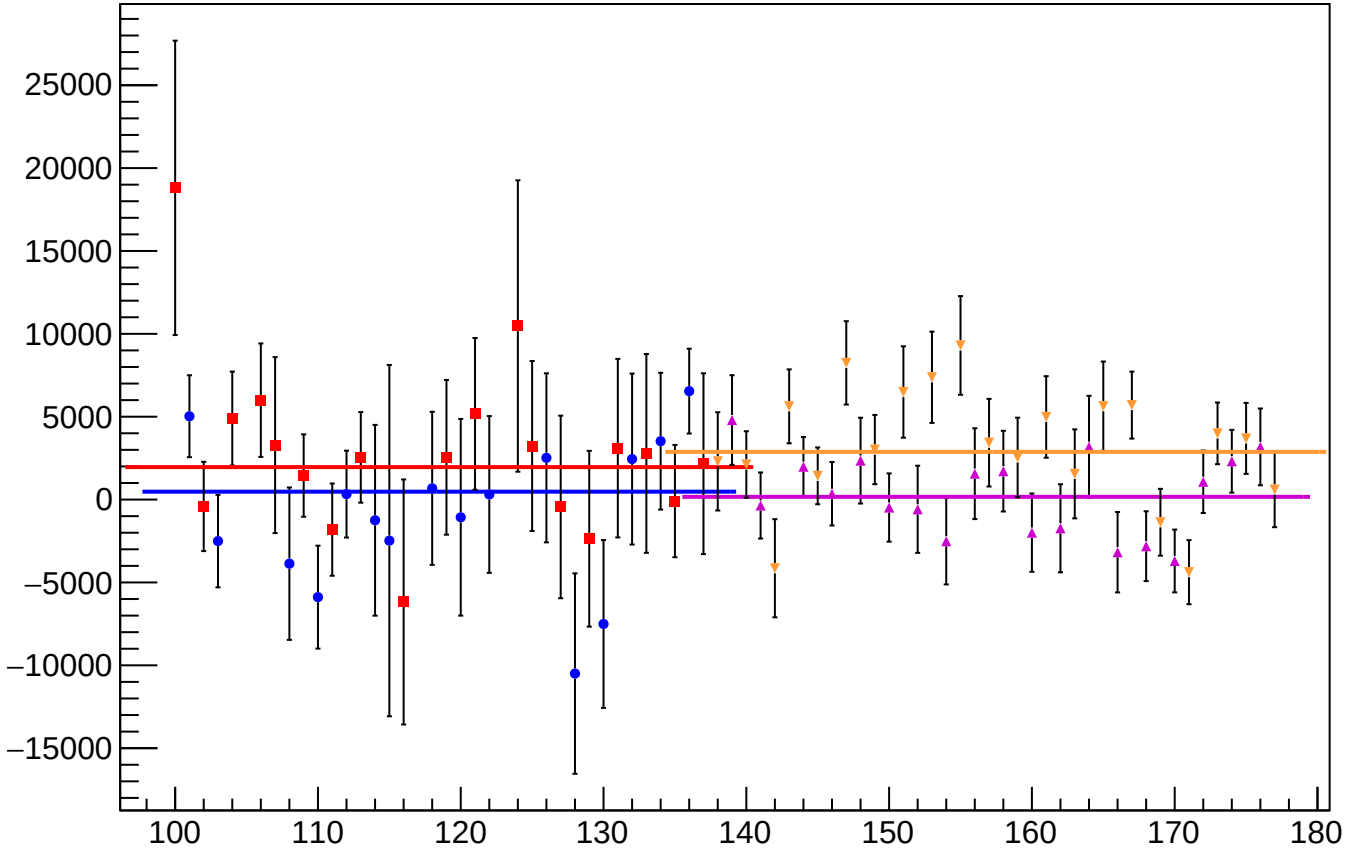
Left In: 2011.386+/-0.365 χ^2/NDF:590001.0/18

+ sign 2121.294+/-0.315 χ^2/NDF: 2072801.7/36

All: 2110.348+/-0.223 χ^2/NDF: 3975765.7/74

- sign 2099.232+/-0.317 χ^2/NDF: 1900523.9/37

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2879.915+/-500.051 χ^2/NDF:45.7/20

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

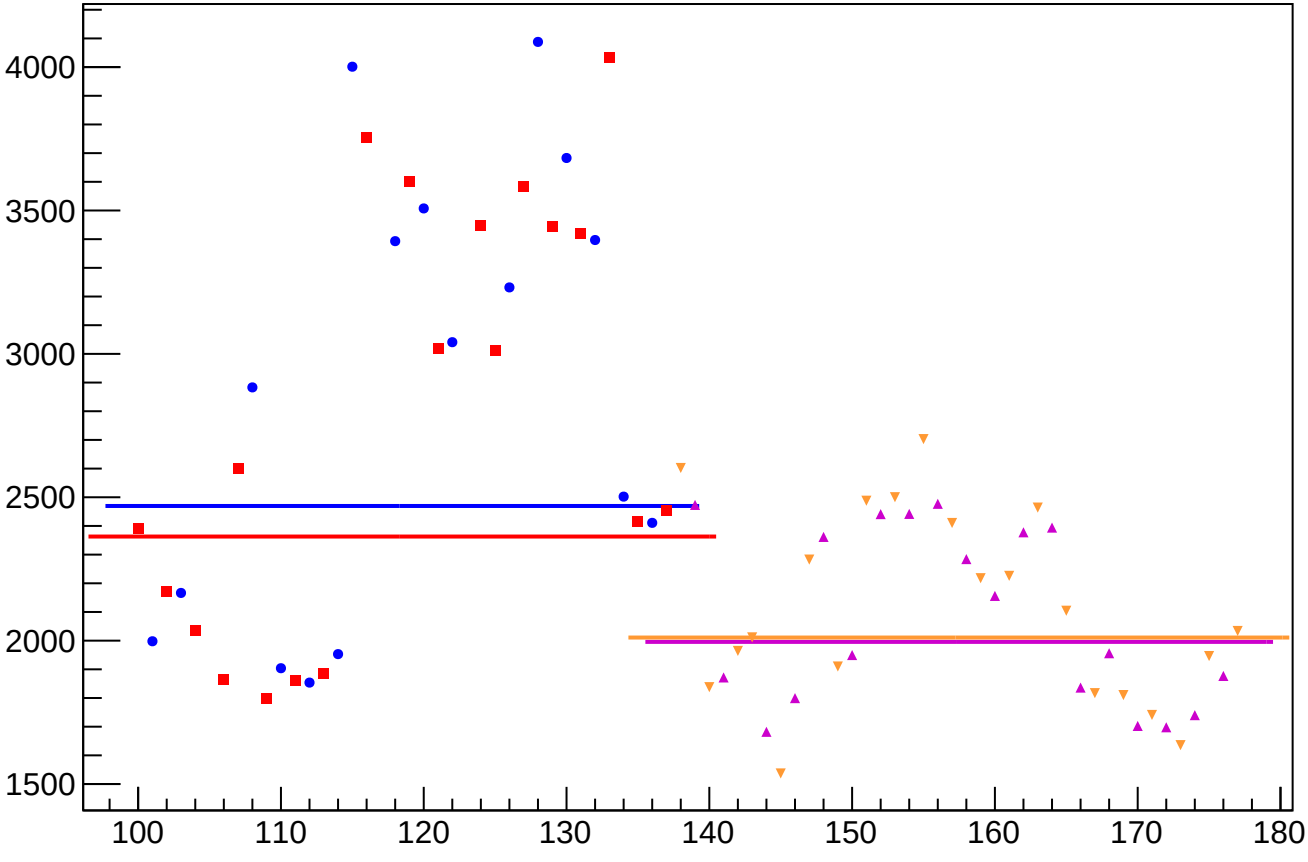
Left In: 164.550+/-513.113 χ^2/NDF:20.2/18

+ sign 2361.011+/-442.772 χ^2/NDF: 72.8/36

All: 1488.874+/-314.124 χ^2/NDF: 116.7/74

- sign 605.083+/-445.720 χ^2/NDF: 36.1/37

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2010.852+/-0.354 χ^2/NDF:803025.2/20

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

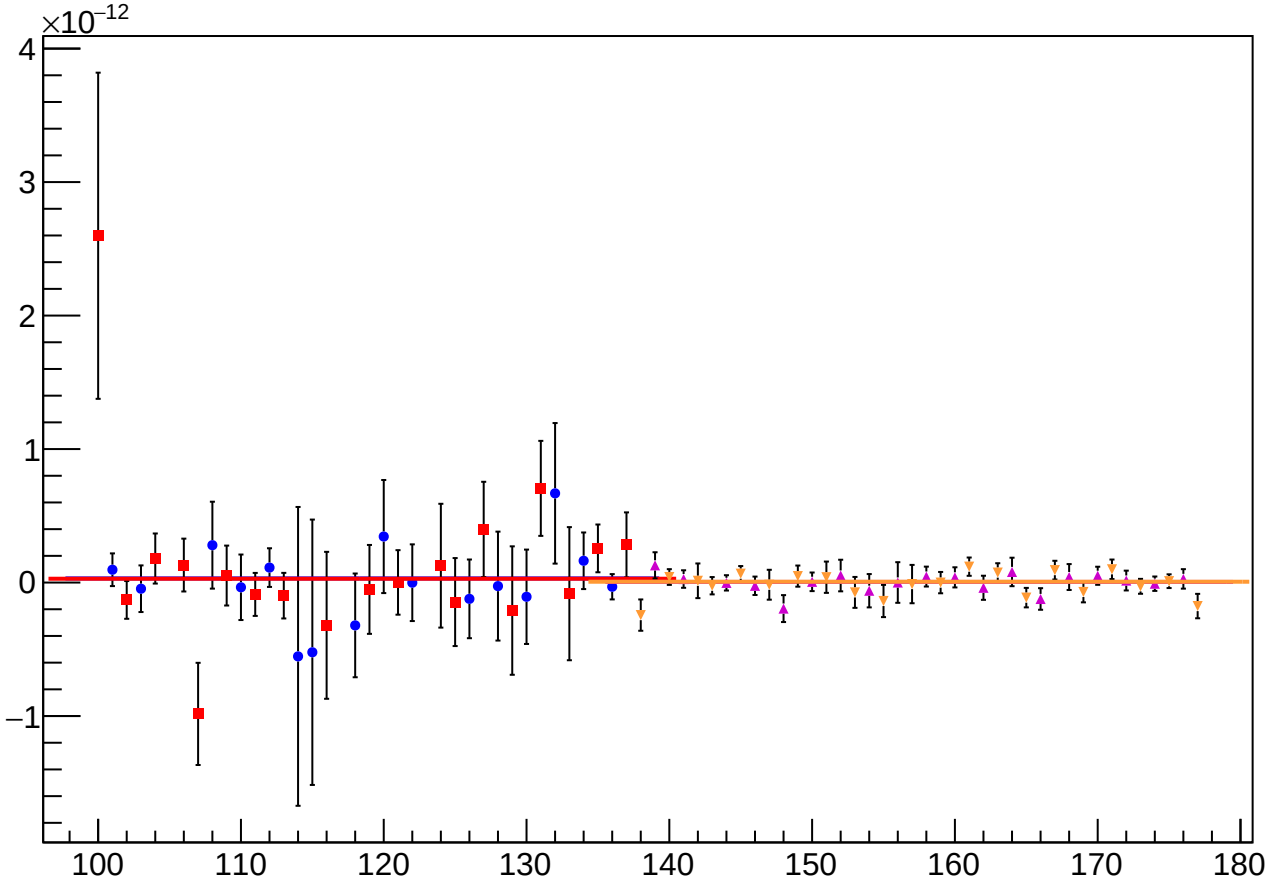
Left In: 1995.698+/-0.363 χ^2/NDF:632140.8/18

+ sign 2109.937+/-0.313 χ^2/NDF: 2052804.0/36

All: 2097.977+/-0.222 χ^2/NDF: 3982822.9/74

- sign 2085.858+/-0.315 χ^2/NDF: 1927080.9/37

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:23.4/20

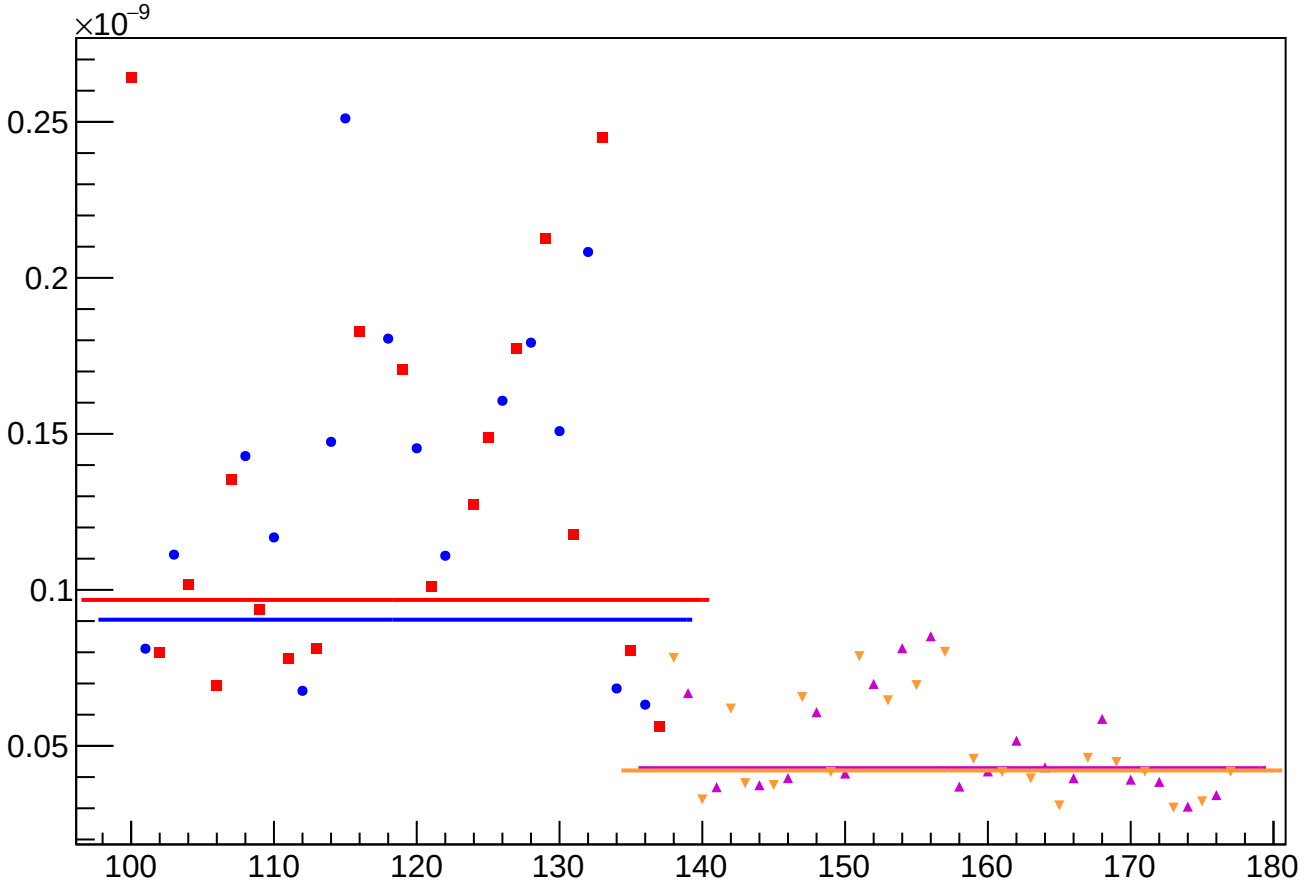
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 29.7/36

All: 0.000+/-0.000 χ^2/NDF: 63.8/74

- sign 0.000+/-0.000 χ^2/NDF: 34.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136756.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

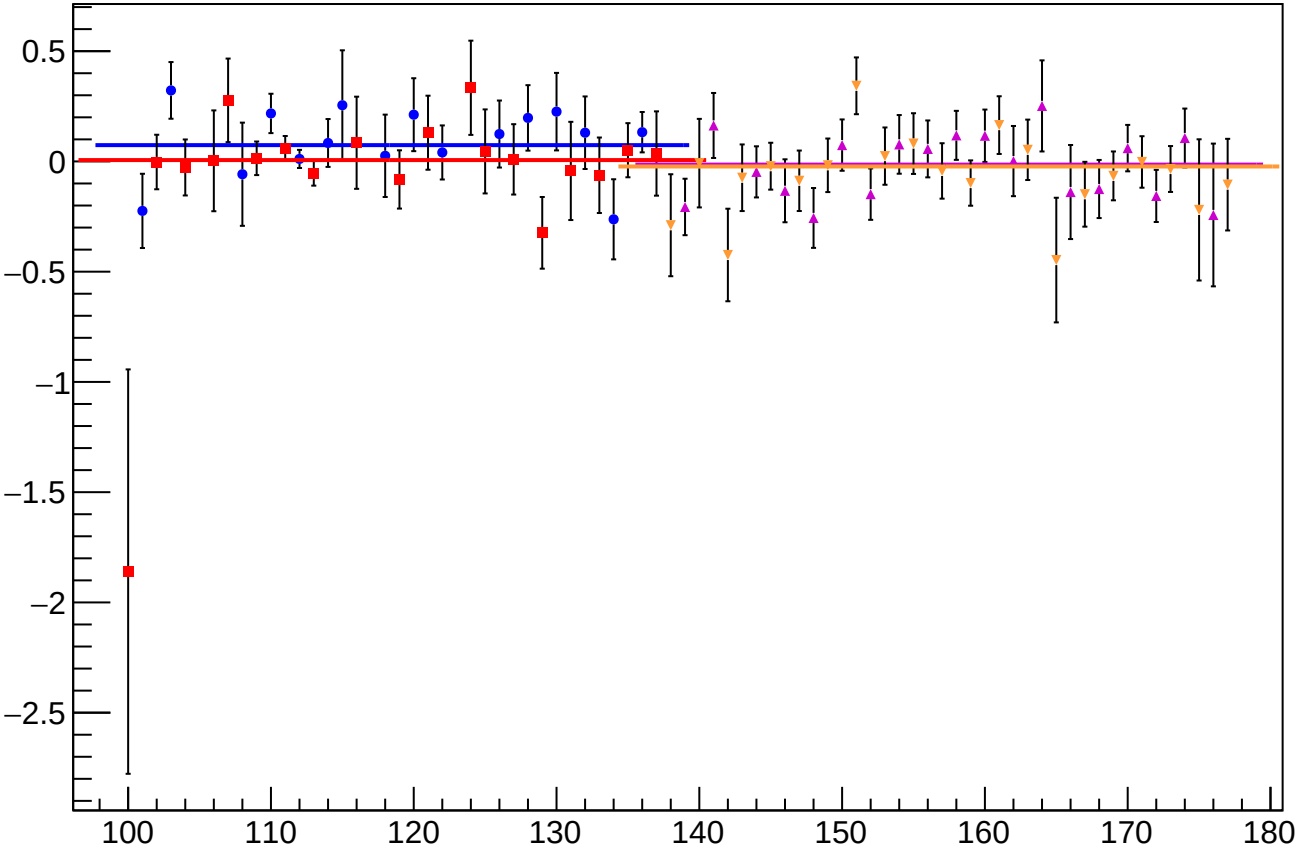
Left In: 0.000+/-0.000 χ^2/NDF:906397.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 3598979.8/36

All: 0.000+/-0.000 χ^2/NDF: 7049284.3/74

- sign 0.000+/-0.000 χ^2/NDF: 3443363.9/37

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

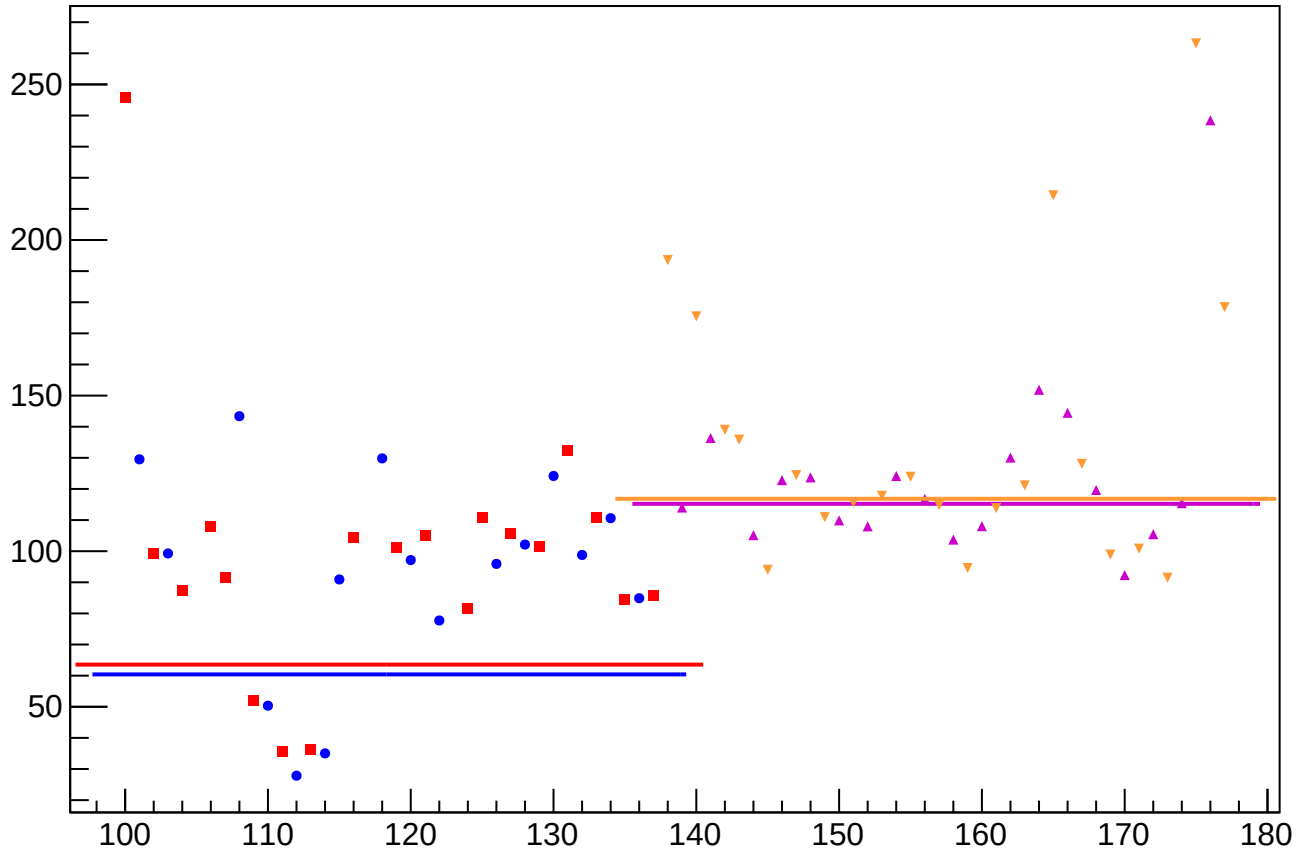
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.014+/-0.031 χ^2/NDF:18.9/18

+ sign 0.031+/-0.020 χ^2/NDF: 45.4/36

All: 0.014+/-0.014 χ^2/NDF: 82.4/74

- sign -0.003+/-0.020 χ^2/NDF: 35.6/37



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.839+/-0.021 χ^2/NDF:1702296.1/20

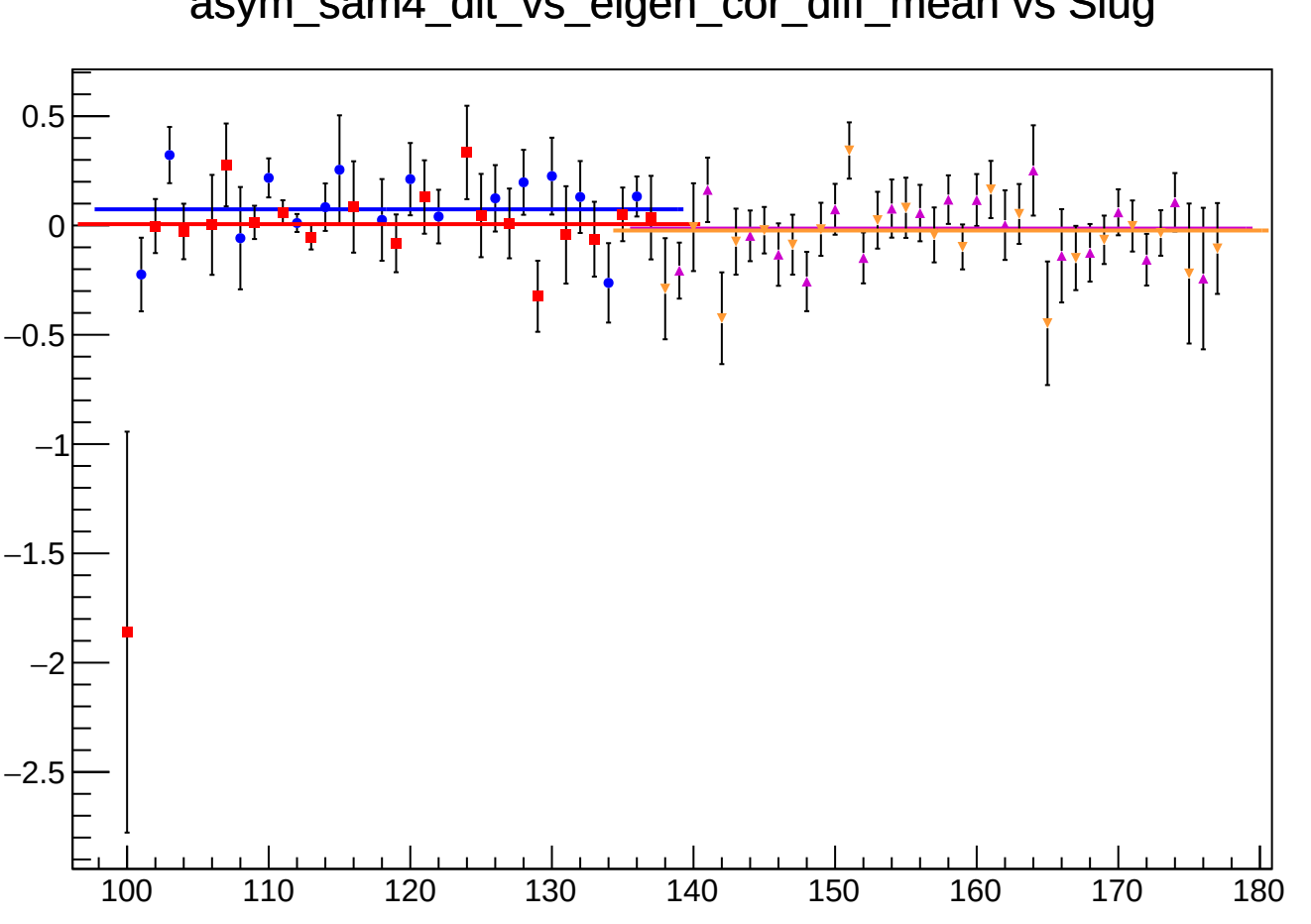
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.215+/-0.022 χ^2/NDF:638226.8/18

+ sign 85.535+/-0.014 χ^2/NDF: 9128601.1/36

All: 85.787+/-0.010 χ^2/NDF: 15649591.7/74

- sign 86.040+/-0.014 χ^2/NDF: 6520360.8/37



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

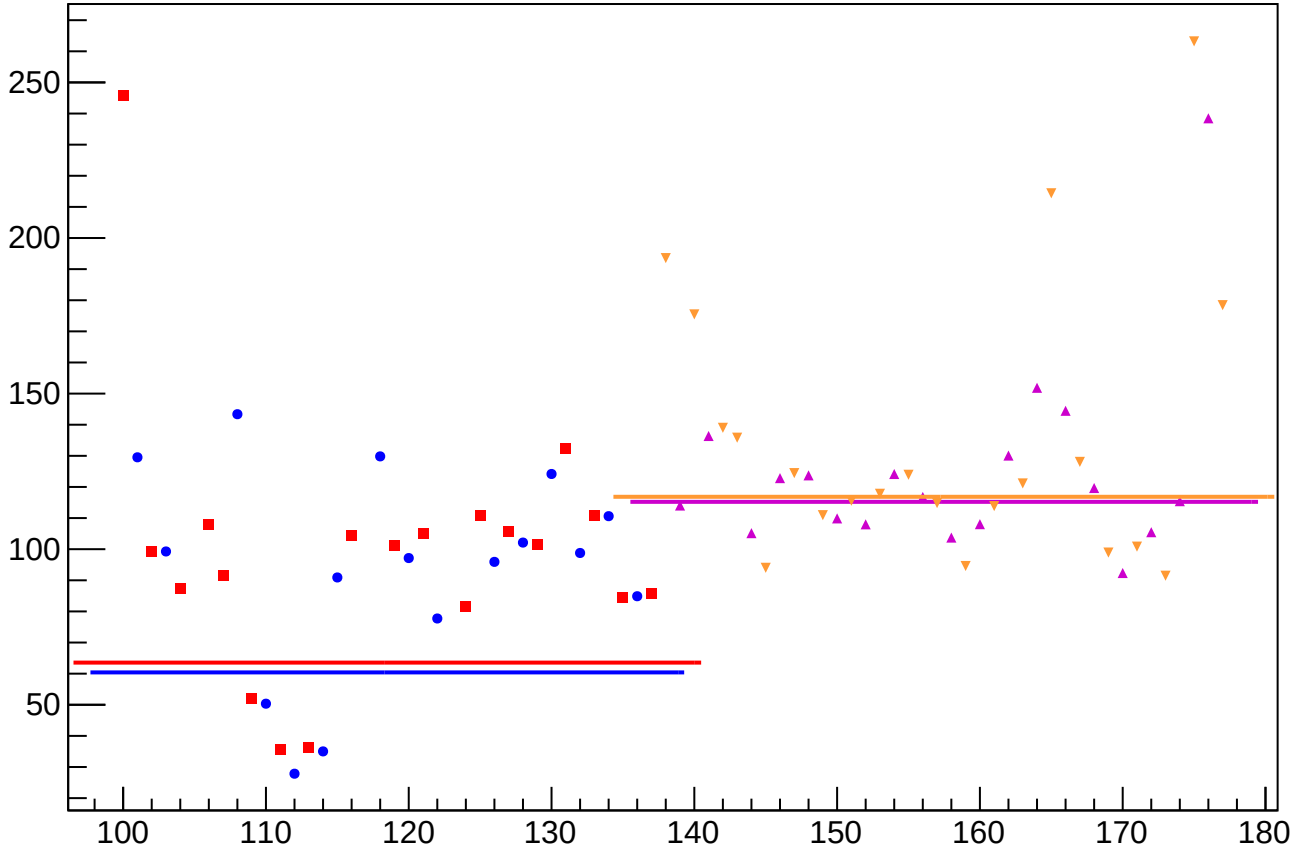
Left In: -0.014+/-0.031 χ^2/NDF:18.9/18

+ sign 0.031+/-0.020 χ^2/NDF: 45.4/36

All: 0.014+/-0.014 χ^2/NDF: 82.4/74

- sign -0.003+/-0.020 χ^2/NDF: 35.6/37

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.839+/-0.021 χ^2/NDF:1702296.1/20

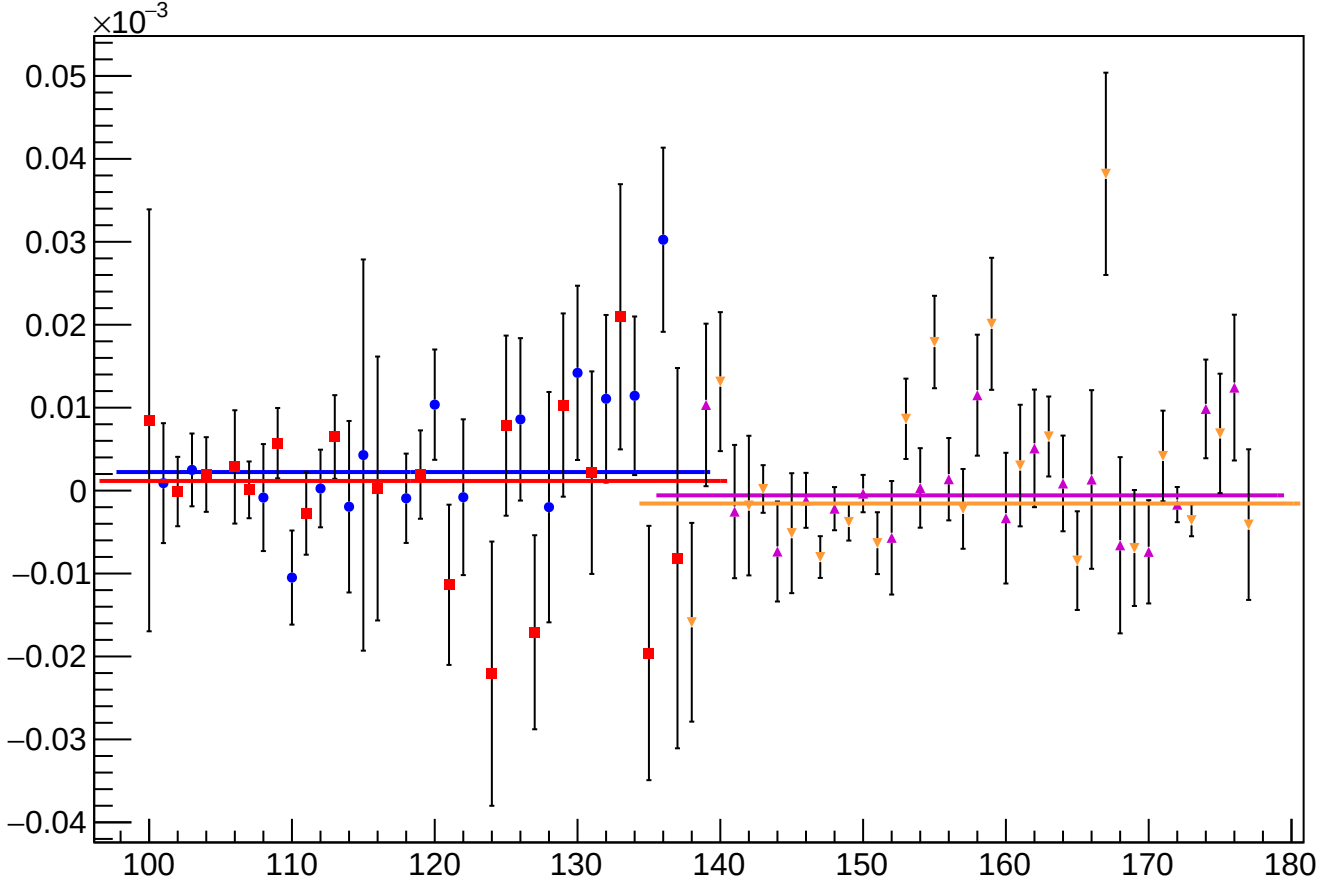
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.215+/-0.022 χ^2/NDF:638226.8/18

+ sign 85.535+/-0.014 χ^2/NDF: 9128601.1/36

All: 85.787+/-0.010 χ^2/NDF: 15649591.7/74

- sign 86.040+/-0.014 χ^2/NDF: 6520360.8/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:57.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

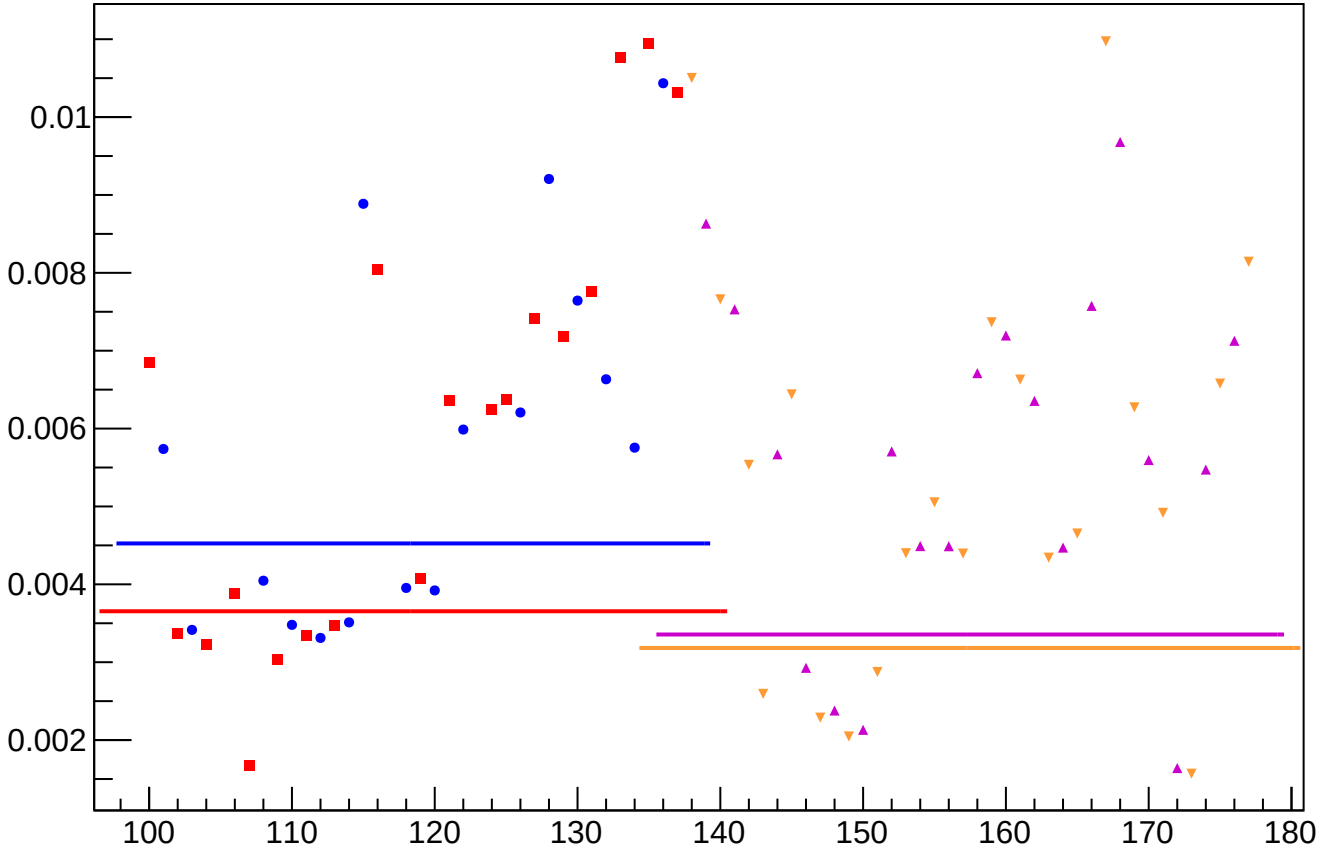
Left In: -0.000+/-0.000 χ^2/NDF:14.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 78.8/36

All: -0.000+/-0.000 χ^2/NDF: 108.6/74

- sign -0.000+/-0.000 χ^2/NDF: 29.4/37

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:8303372.8/20

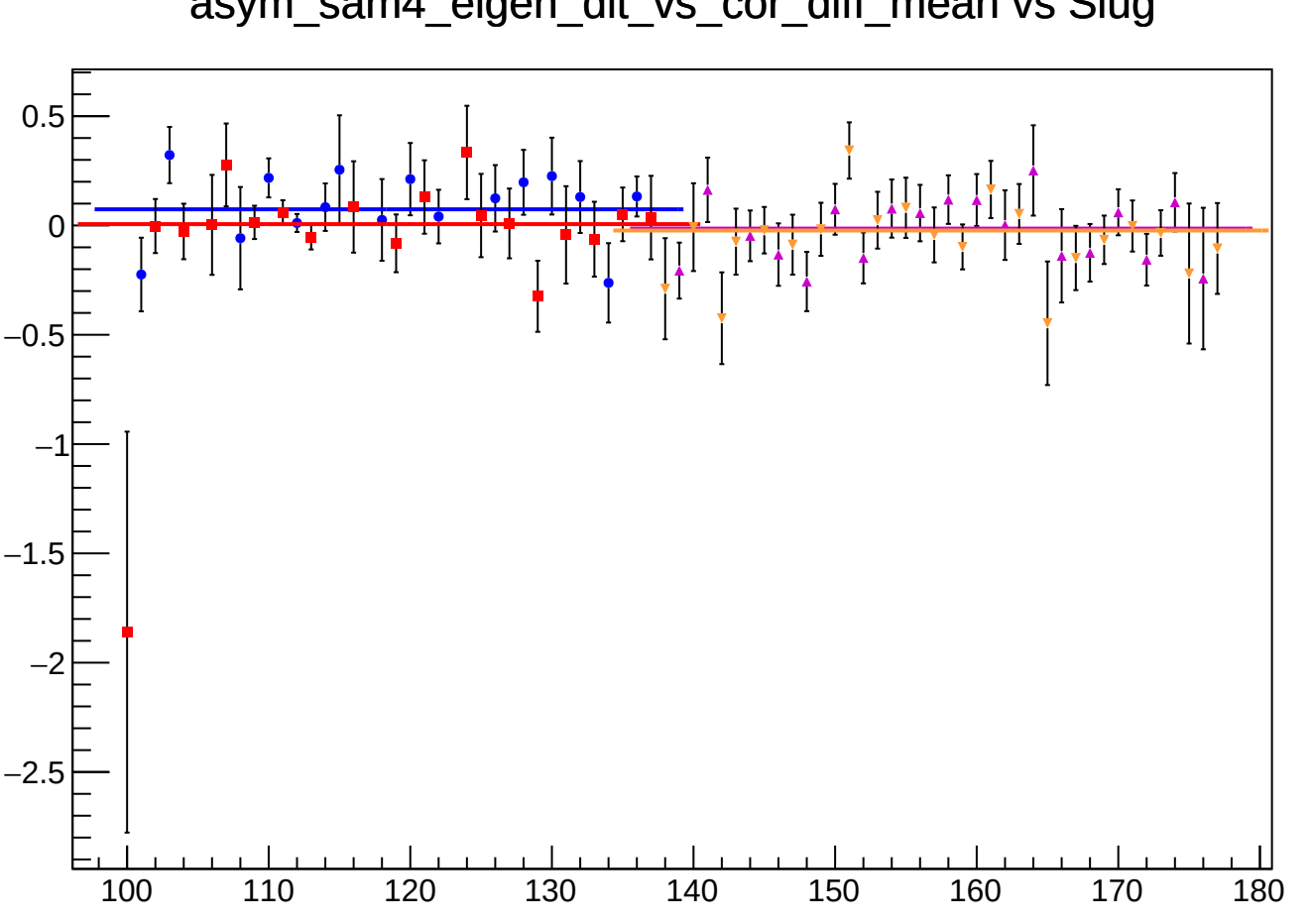
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:7307174.1/18

+ sign 0.003+/-0.000 χ^2/NDF: 10898396.0/36

All: 0.003+/-0.000 χ^2/NDF: 21193458.6/74

- sign 0.003+/-0.000 χ^2/NDF: 10294957.5/37



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

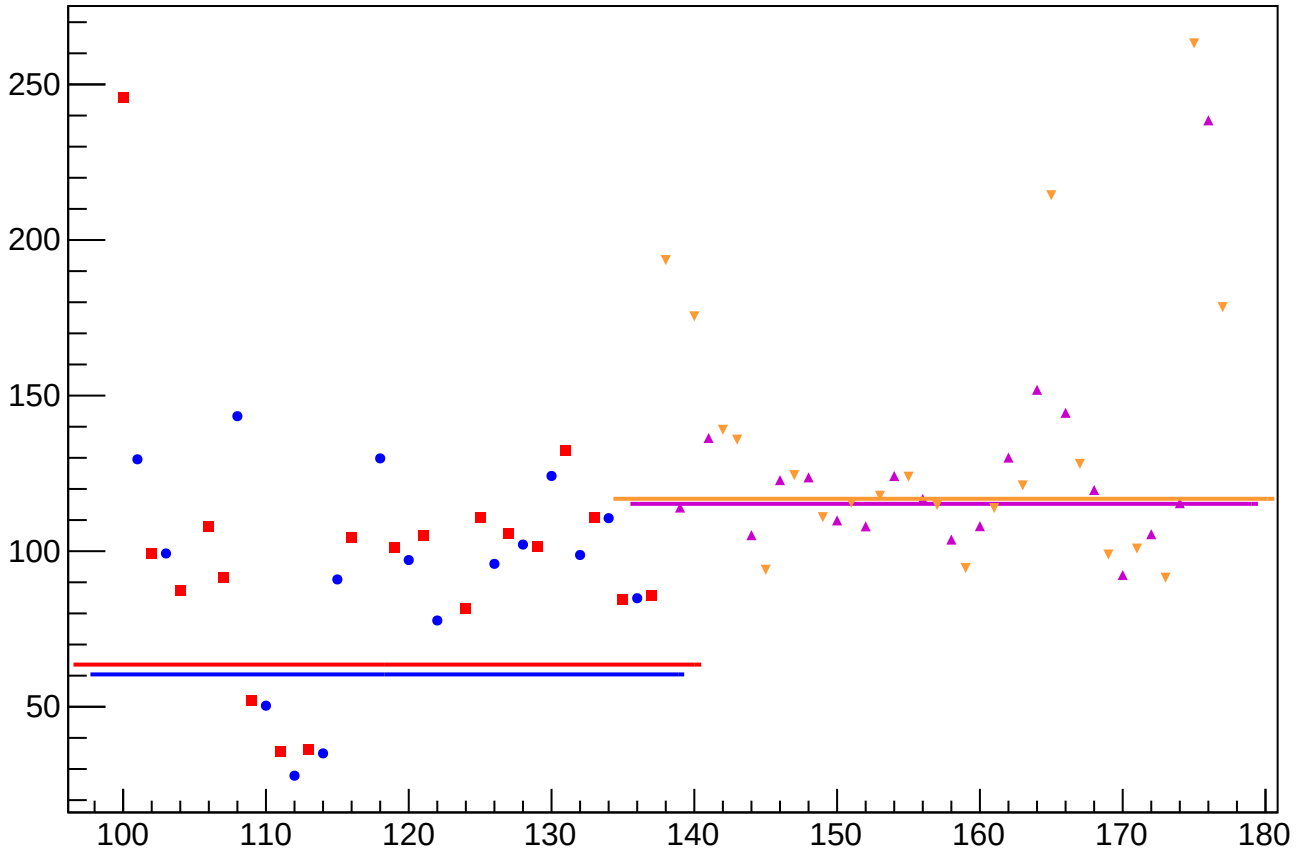
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.014+/-0.031 χ^2/NDF:19.0/18

+ sign 0.031+/-0.020 χ^2/NDF: 45.4/36

All: 0.014+/-0.014 χ^2/NDF: 82.4/74

- sign -0.003+/-0.020 χ^2/NDF: 35.6/37



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 116.840+/-0.021 χ^2/NDF:1702243.6/20

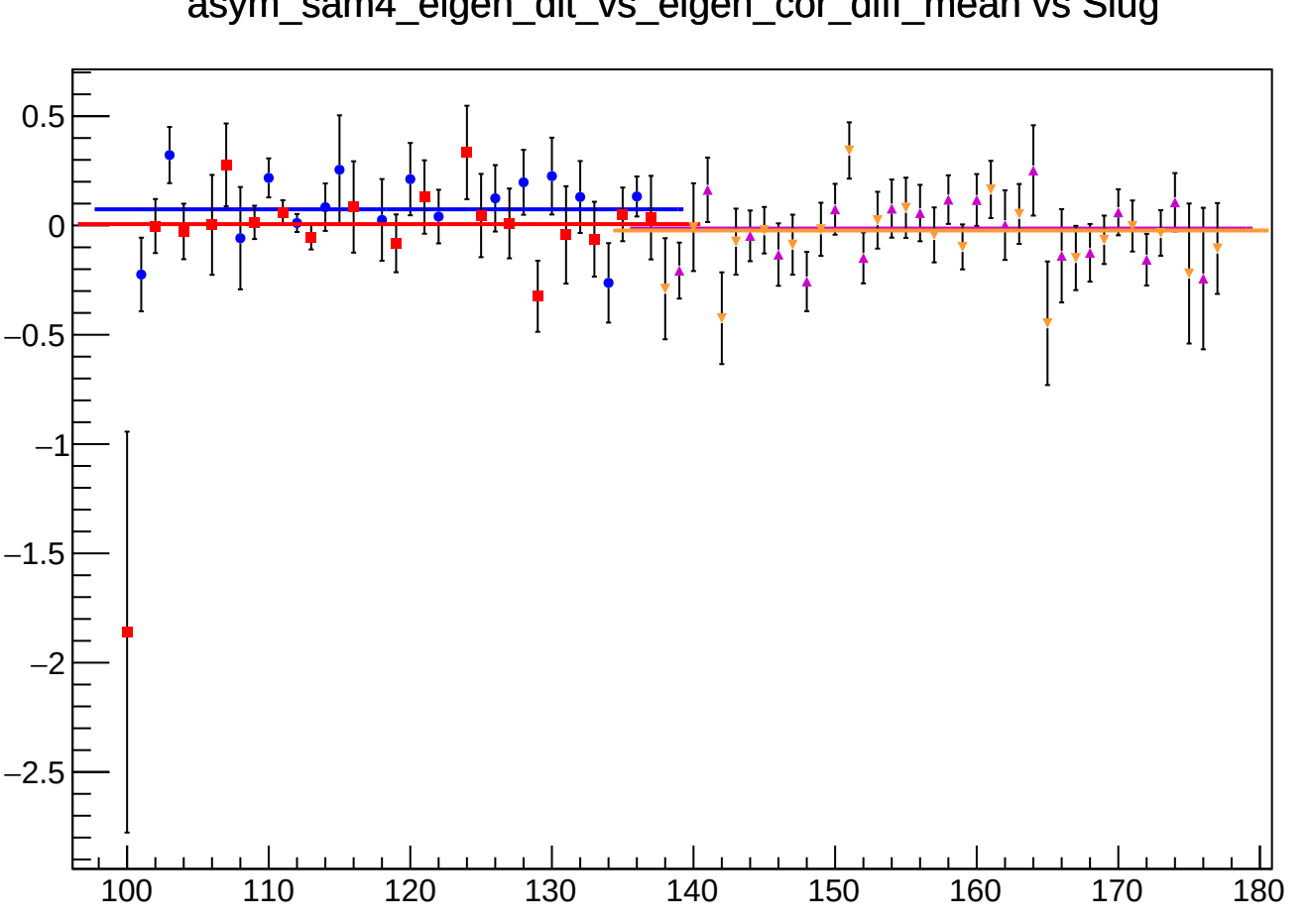
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.216+/-0.022 χ^2/NDF:638209.6/18

+ sign 85.533+/-0.014 χ^2/NDF: 9129269.5/36

All: 85.786+/-0.010 χ^2/NDF: 15650872.9/74

- sign 86.039+/-0.014 χ^2/NDF: 6520972.9/37



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

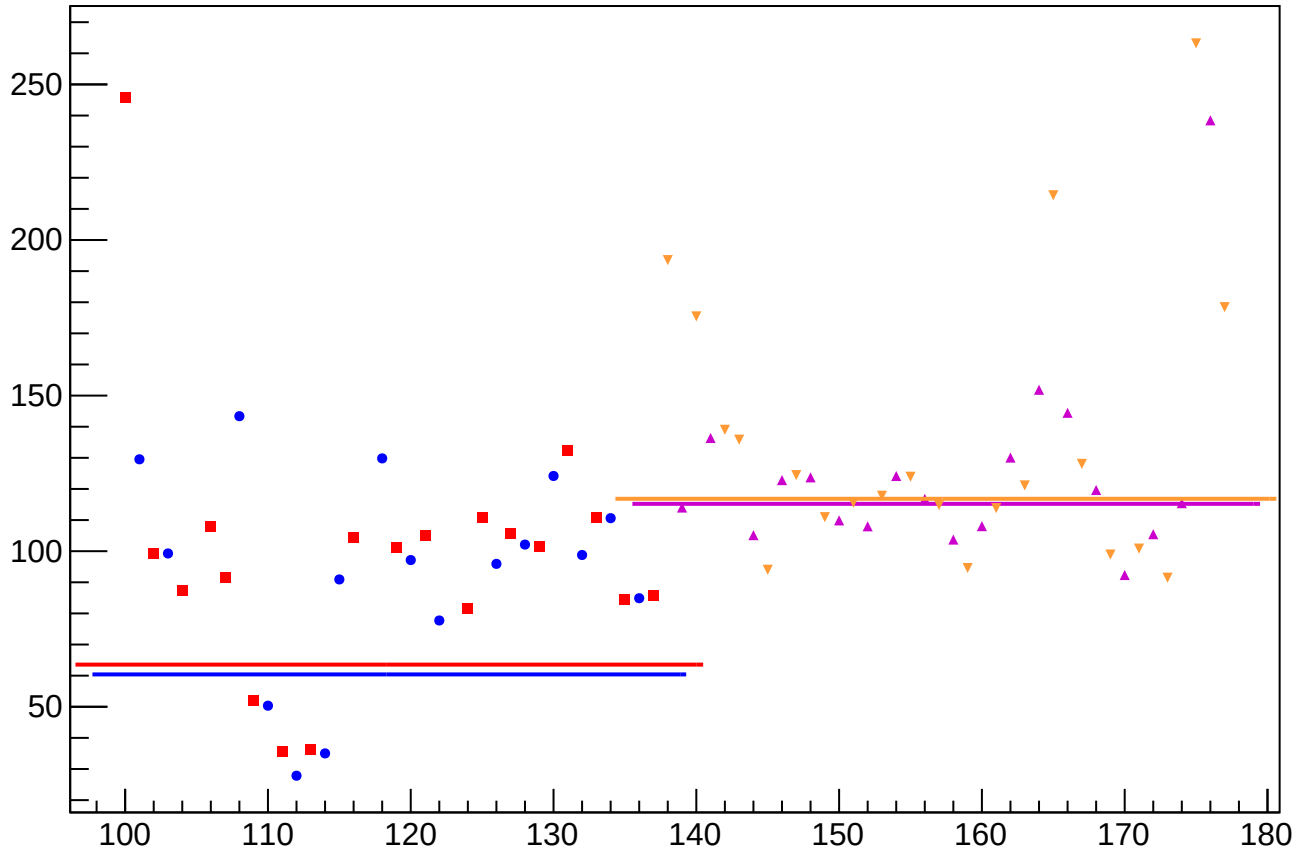
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.014+/-0.031 χ^2/NDF:19.0/18

+ sign 0.031+/-0.020 χ^2/NDF: 45.4/36

All: 0.014+/-0.014 χ^2/NDF: 82.4/74

- sign -0.003+/-0.020 χ^2/NDF: 35.6/37



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 116.840+/-0.021 χ^2/NDF:1702243.6/20

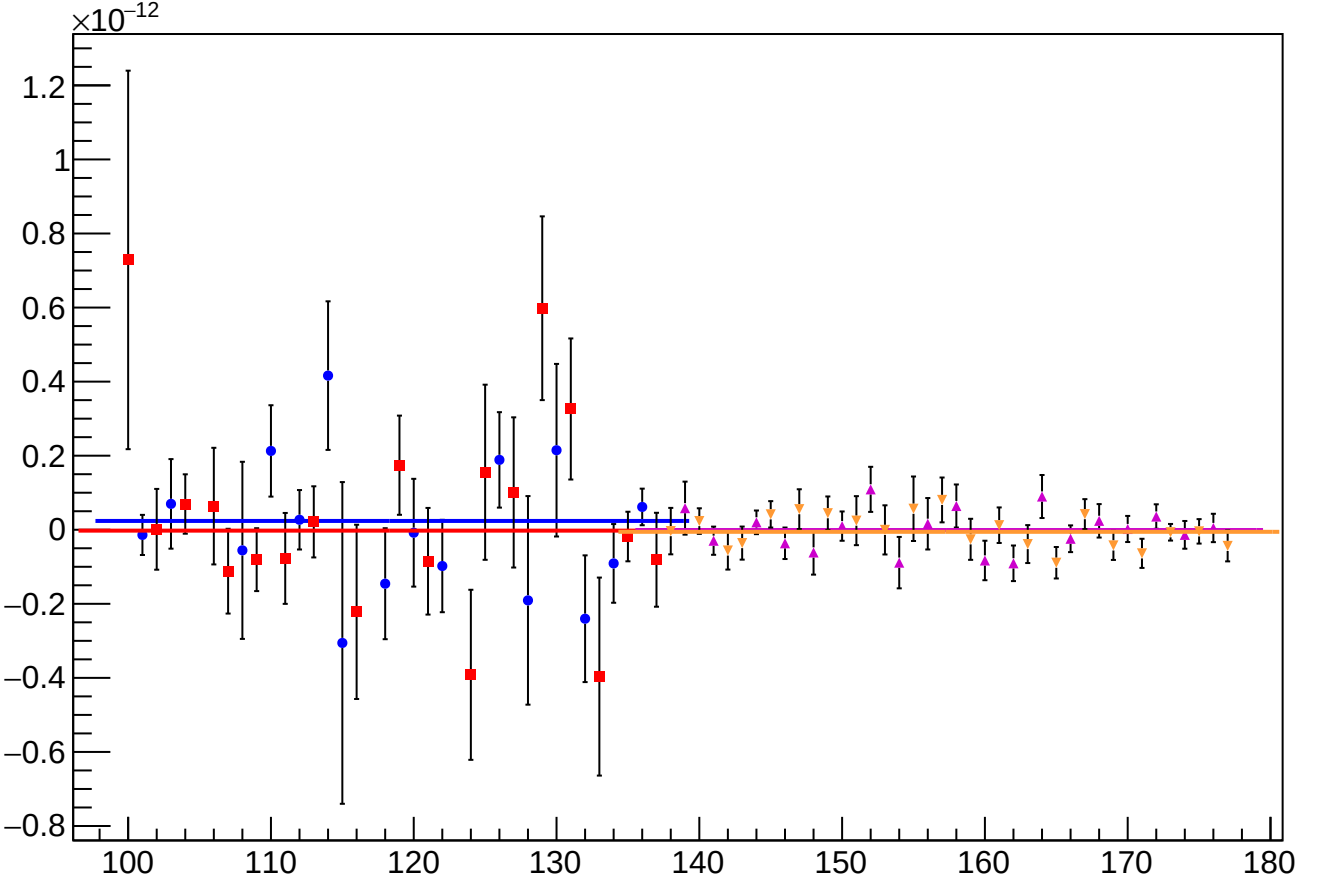
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.216+/-0.022 χ^2/NDF:638209.6/18

+ sign 85.533+/-0.014 χ^2/NDF: 9129269.5/36

All: 85.786+/-0.010 χ^2/NDF: 15650872.9/74

- sign 86.039+/-0.014 χ^2/NDF: 6520972.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

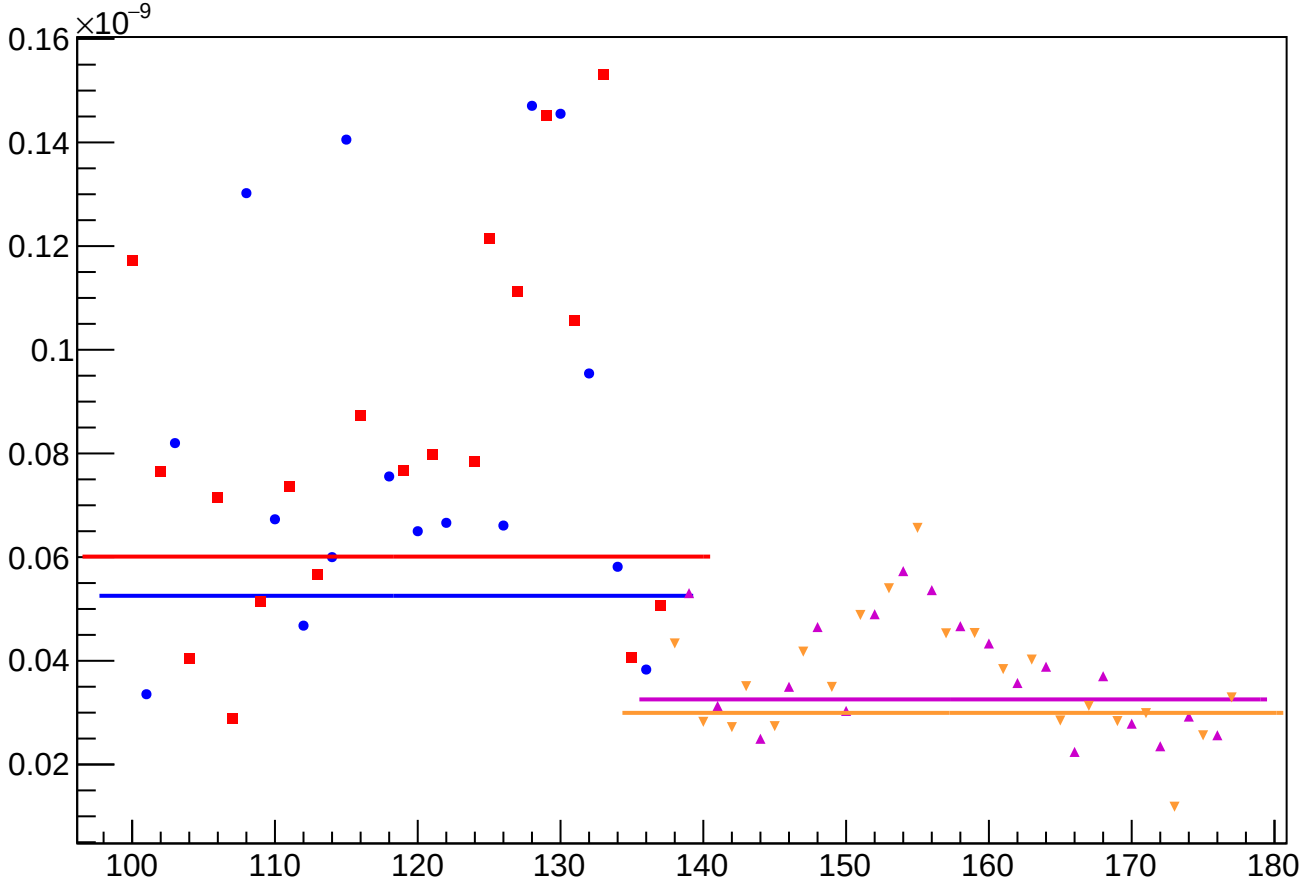
Left In: -0.000+/-0.000 χ^2/NDF:20.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/36

All: -0.000+/-0.000 χ^2/NDF: 80.1/74

- sign -0.000+/-0.000 χ^2/NDF: 43.2/37

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:2799955.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

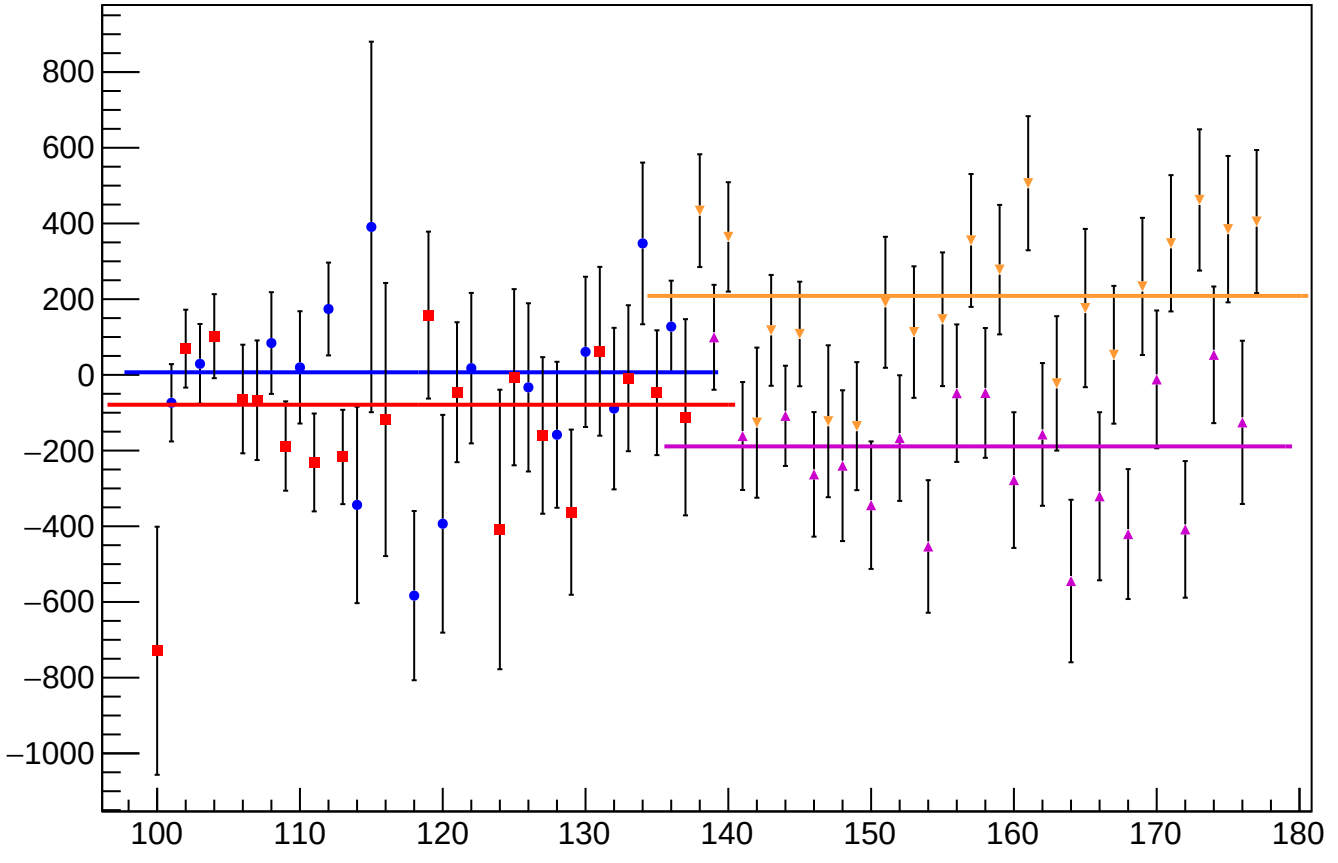
Left In: 0.000+/-0.000 χ^2/NDF:1659913.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 5768814.6/36

All: 0.000+/-0.000 χ^2/NDF: 10702497.2/74

- sign 0.000+/-0.000 χ^2/NDF: 4821121.8/37

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.663+/-37.696 χ^2/NDF:25.0/20

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

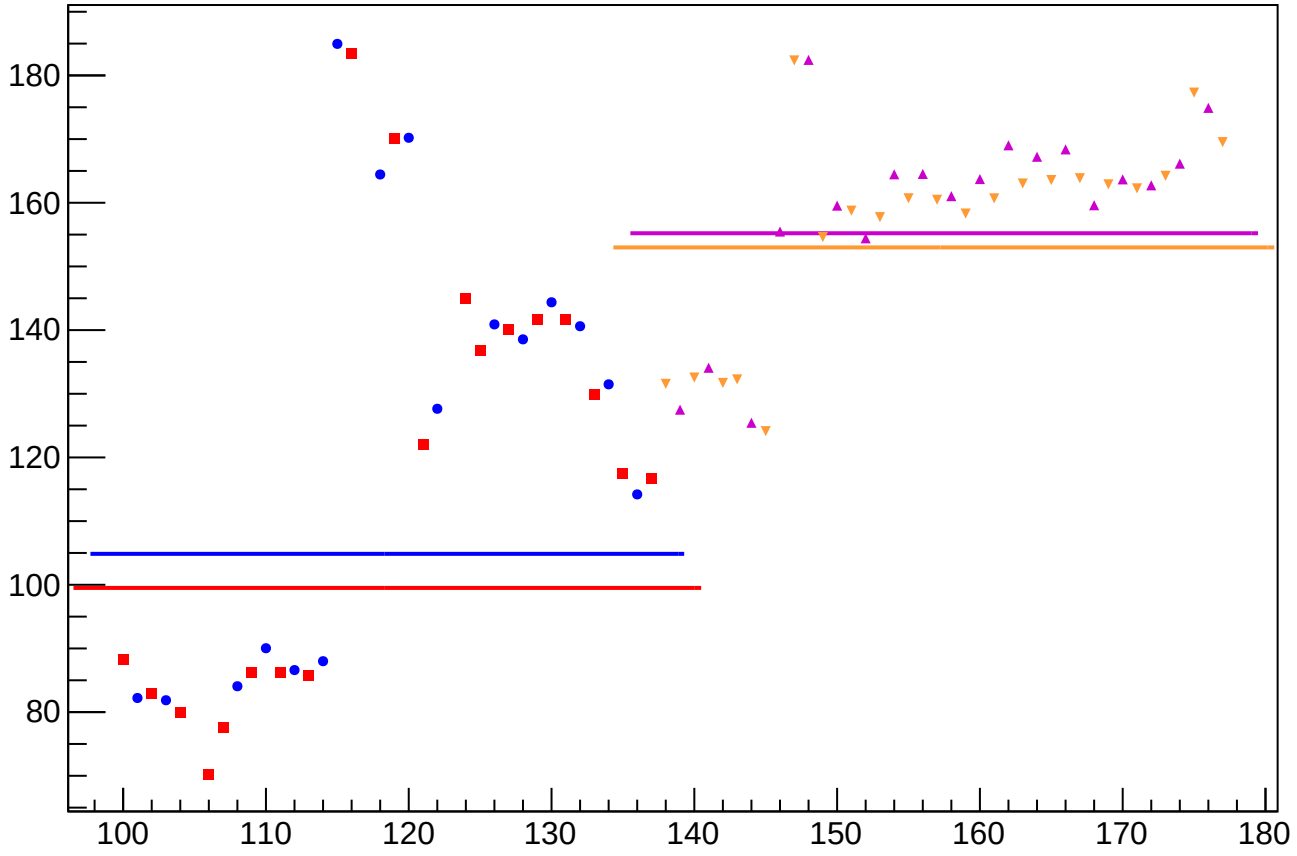
Left In: -188.988+/-39.618 χ^2/NDF:18.9/18

+ sign 114.600+/-27.547 χ^2/NDF: 57.2/36

All: -9.160+/-19.422 χ^2/NDF: 136.9/74

- sign -131.505+/-27.389 χ^2/NDF: 39.6/37

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 152.986+/-0.027 χ^2/NDF:375810.4/20

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

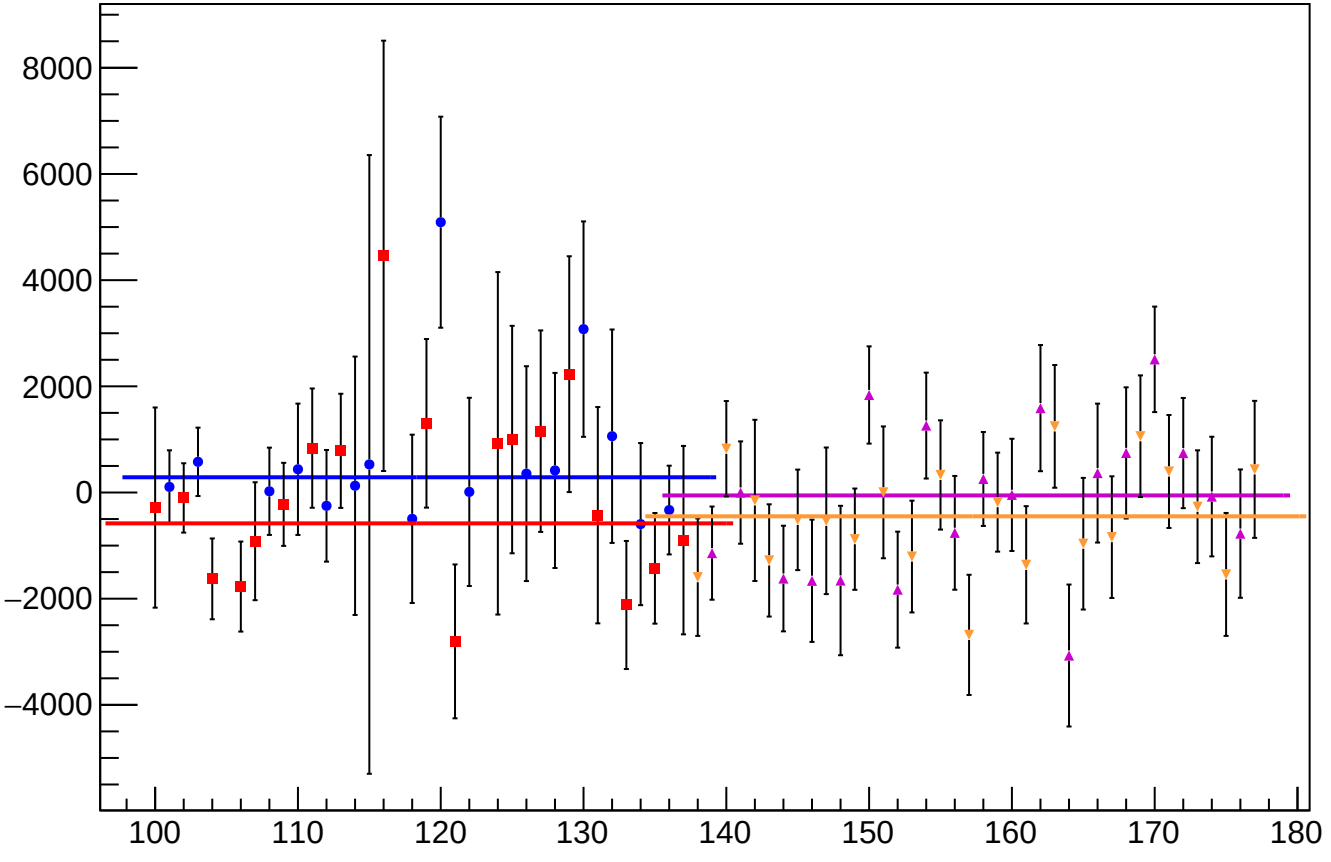
Left In: 155.212+/-0.028 χ^2/NDF:338445.8/18

+ sign 130.559+/-0.019 χ^2/NDF: 2826150.1/36

All: 128.332+/-0.014 χ^2/NDF: 6293886.5/74

- sign 126.130+/-0.019 χ^2/NDF: 3441738.5/37

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -448.397+/-239.689 χ^2/NDF:16.0/20

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

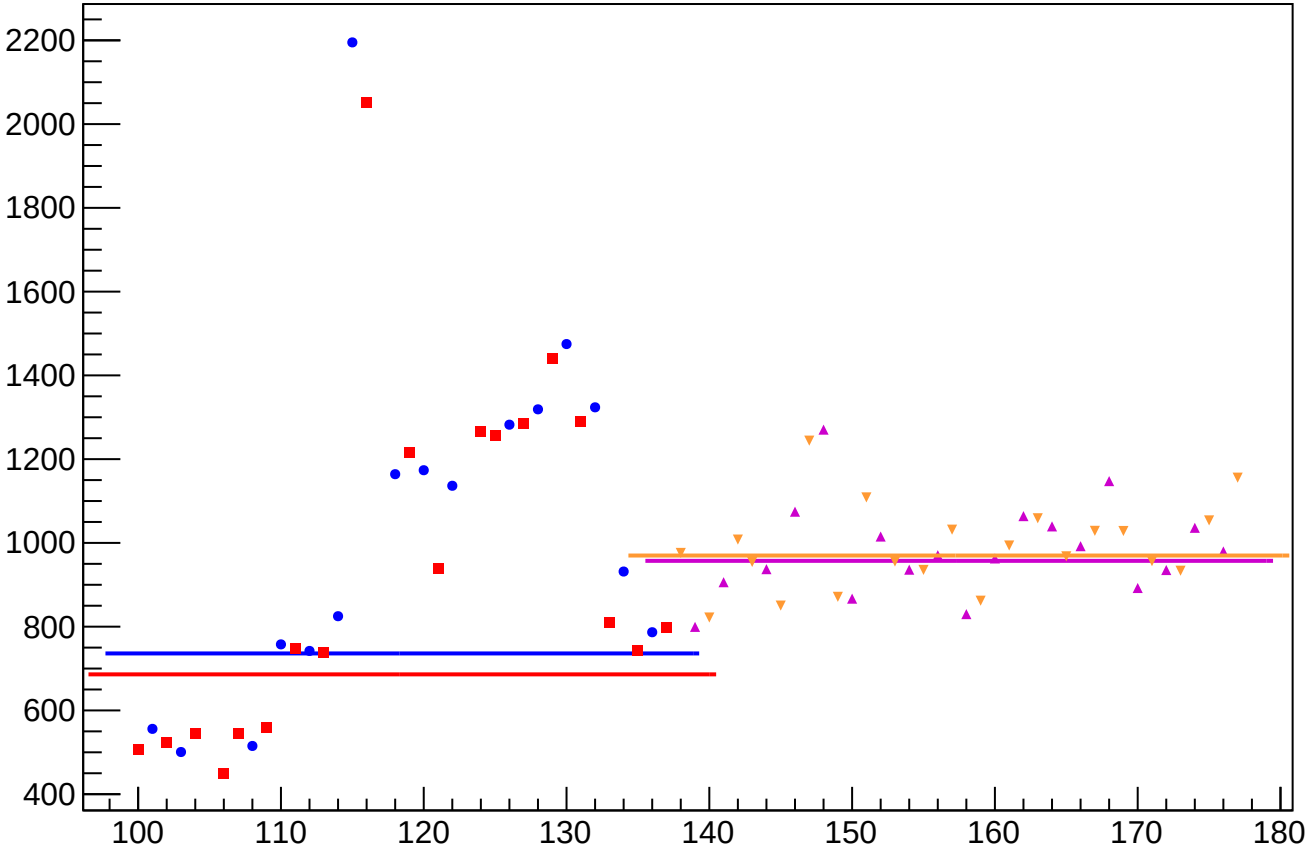
Left In: -55.080+/-245.138 χ^2/NDF:31.6/18

\+ sign -154.171+/-185.641 χ^2/NDF: 29.5/36

All: -225.196+/-129.752 χ^2/NDF: 82.2/74

\- sign -293.032+/-181.425 χ^2/NDF: 52.4/37

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 969.861+/-0.169 χ^2/NDF:326493.7/20

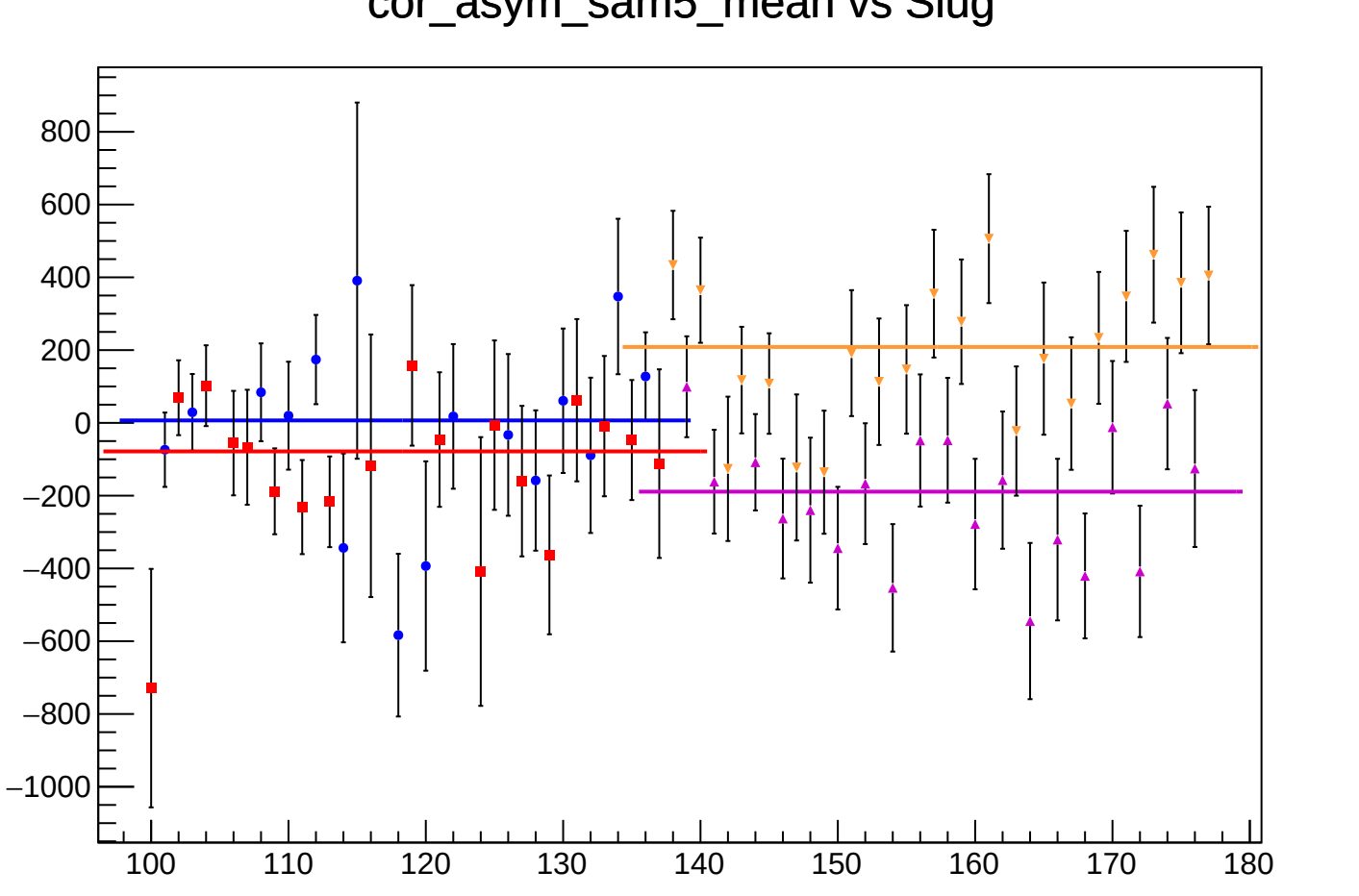
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 957.157+/-0.173 χ^2/NDF:351056.9/18

+ sign 876.318+/-0.131 χ^2/NDF: 2932276.0/36

All: 854.966+/-0.092 χ^2/NDF: 6260083.8/74

- sign 834.572+/-0.128 χ^2/NDF: 3276076.8/37



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.663+/-37.696 χ^2/NDF:25.0/20

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

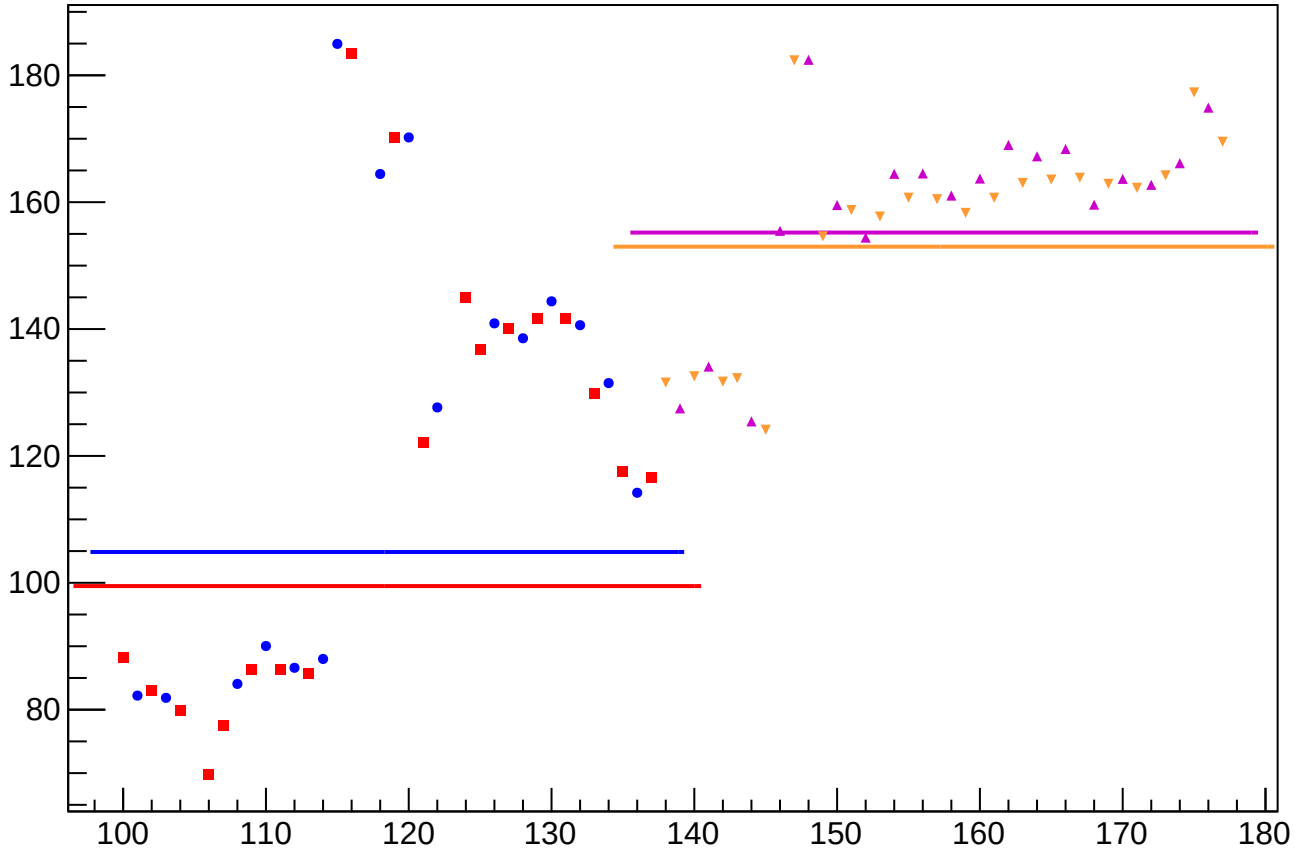
Left In: -188.991+/-39.618 χ^2/NDF:18.9/18

+ sign 114.595+/-27.547 χ^2/NDF: 57.2/36

All: -9.020+/-19.423 χ^2/NDF: 136.9/74

- sign -131.231+/-27.390 χ^2/NDF: 39.7/37

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.986+/-0.027 χ^2/NDF:375810.4/20

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

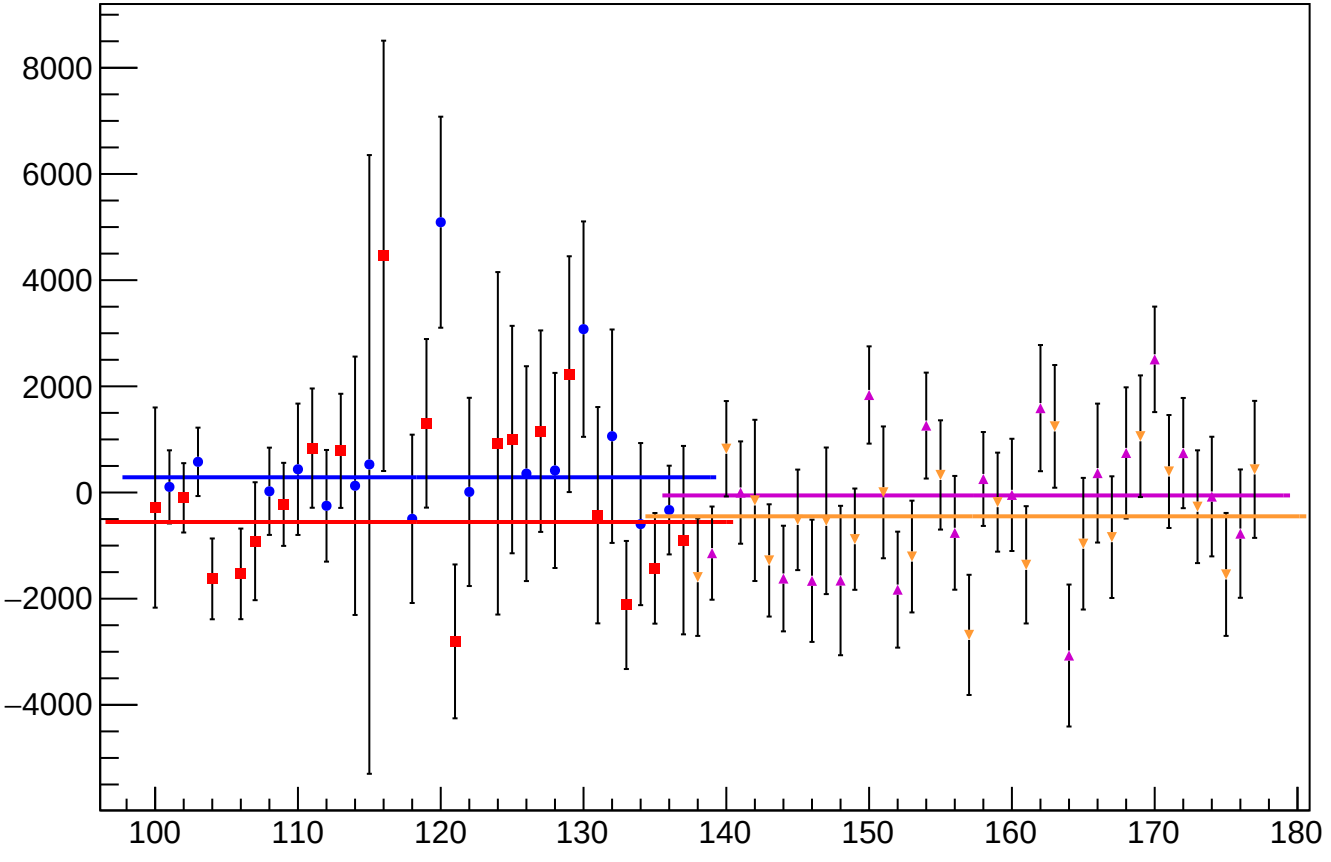
Left In: 155.212+/-0.028 χ^2/NDF:338445.9/18

+ sign 130.559+/-0.019 χ^2/NDF: 2826148.2/36

All: 128.327+/-0.014 χ^2/NDF: 6297825.3/74

- sign 126.120+/-0.019 χ^2/NDF: 3445556.5/37

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -448.393+/-239.689 χ^2/NDF:16.0/20

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

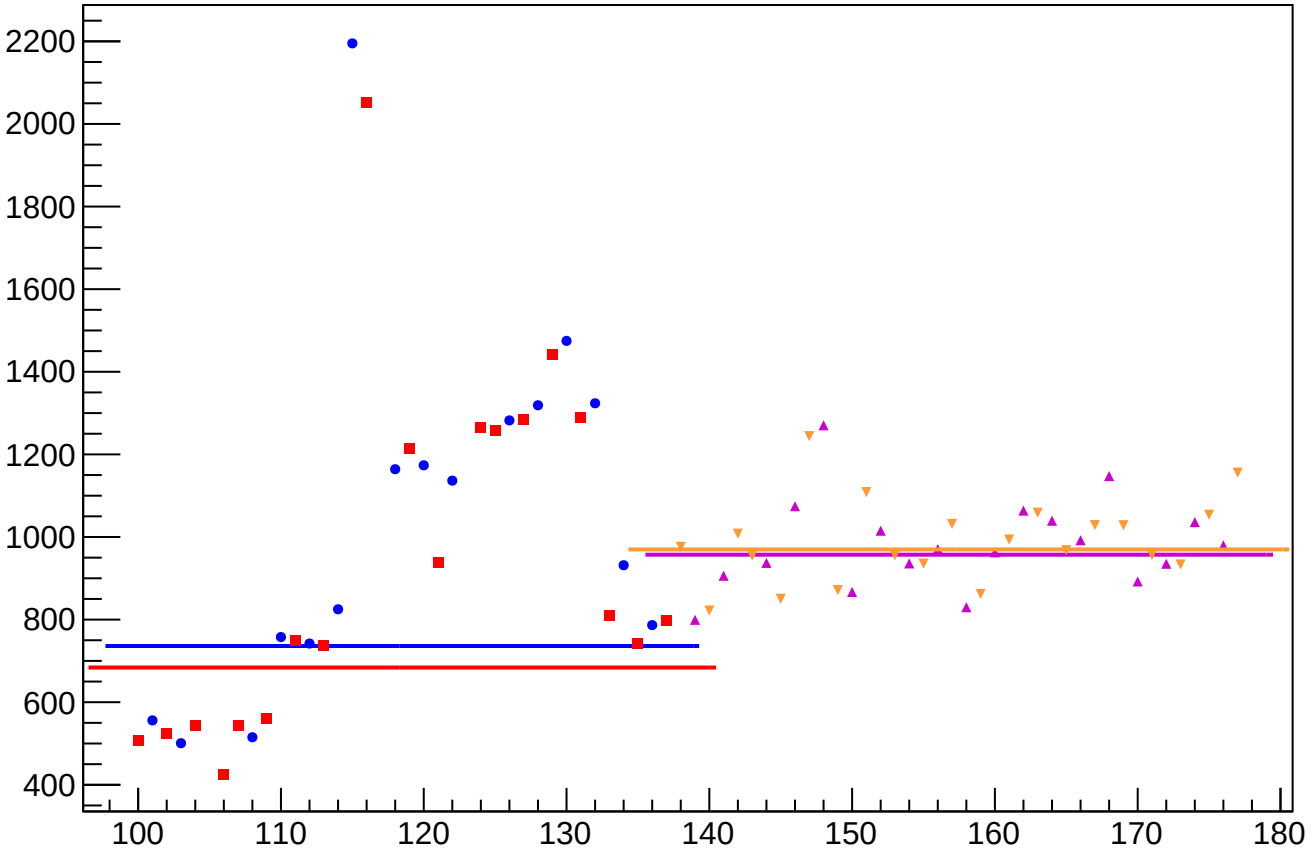
Left In: -55.081+/-245.138 χ^2/NDF:31.6/18

+ sign -154.167+/-185.641 χ^2/NDF: 29.5/36

All: -219.128+/-129.771 χ^2/NDF: 81.2/74

- sign -281.209+/-181.479 χ^2/NDF: 51.5/37

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 969.862+/-0.169 χ^2/NDF:326491.9/20

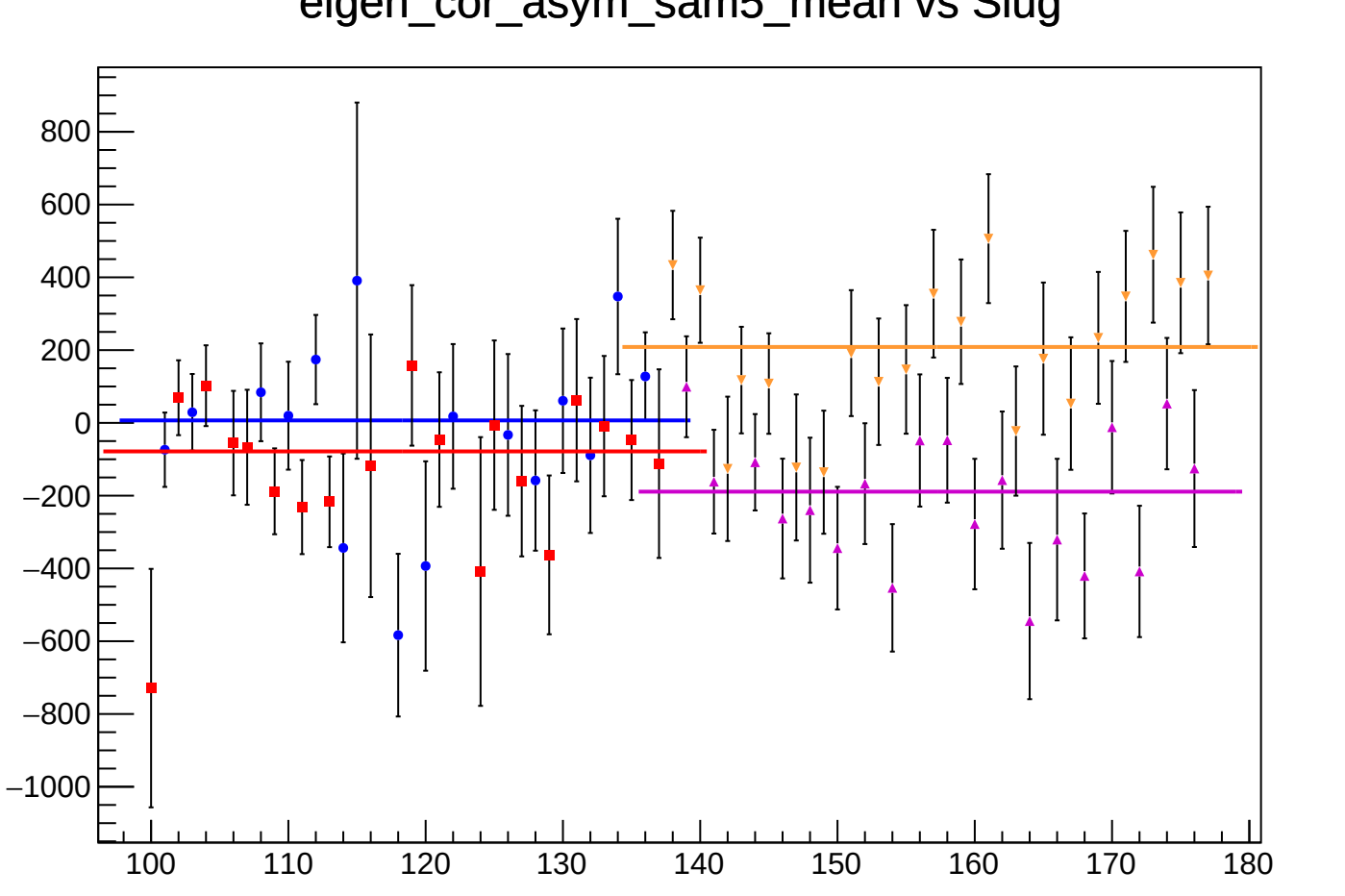
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 957.157+/-0.173 χ^2/NDF:351059.0/18

+ sign 876.318+/-0.131 χ^2/NDF: 2932282.8/36

All: 854.525+/-0.092 χ^2/NDF: 6310104.0/74

- sign 833.699+/-0.128 χ^2/NDF: 3323920.4/37



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.663+/-37.696 χ^2/NDF:25.0/20

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

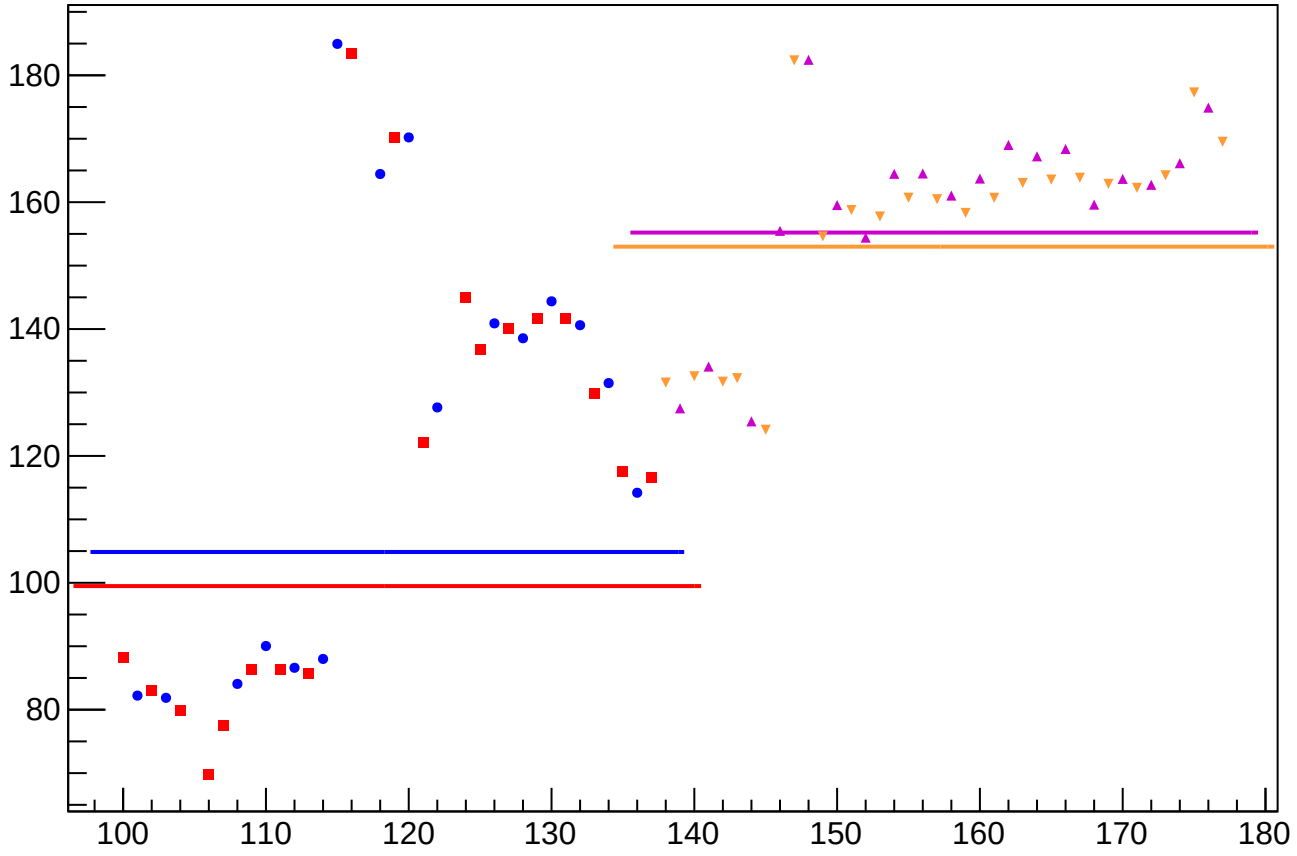
Left In: -188.991+/-39.618 χ^2/NDF:18.9/18

+ sign 114.595+/-27.547 χ^2/NDF: 57.2/36

All: -9.020+/-19.423 χ^2/NDF: 136.9/74

- sign -131.231+/-27.390 χ^2/NDF: 39.7/37

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.986+/-0.027 χ^2/NDF:375810.4/20

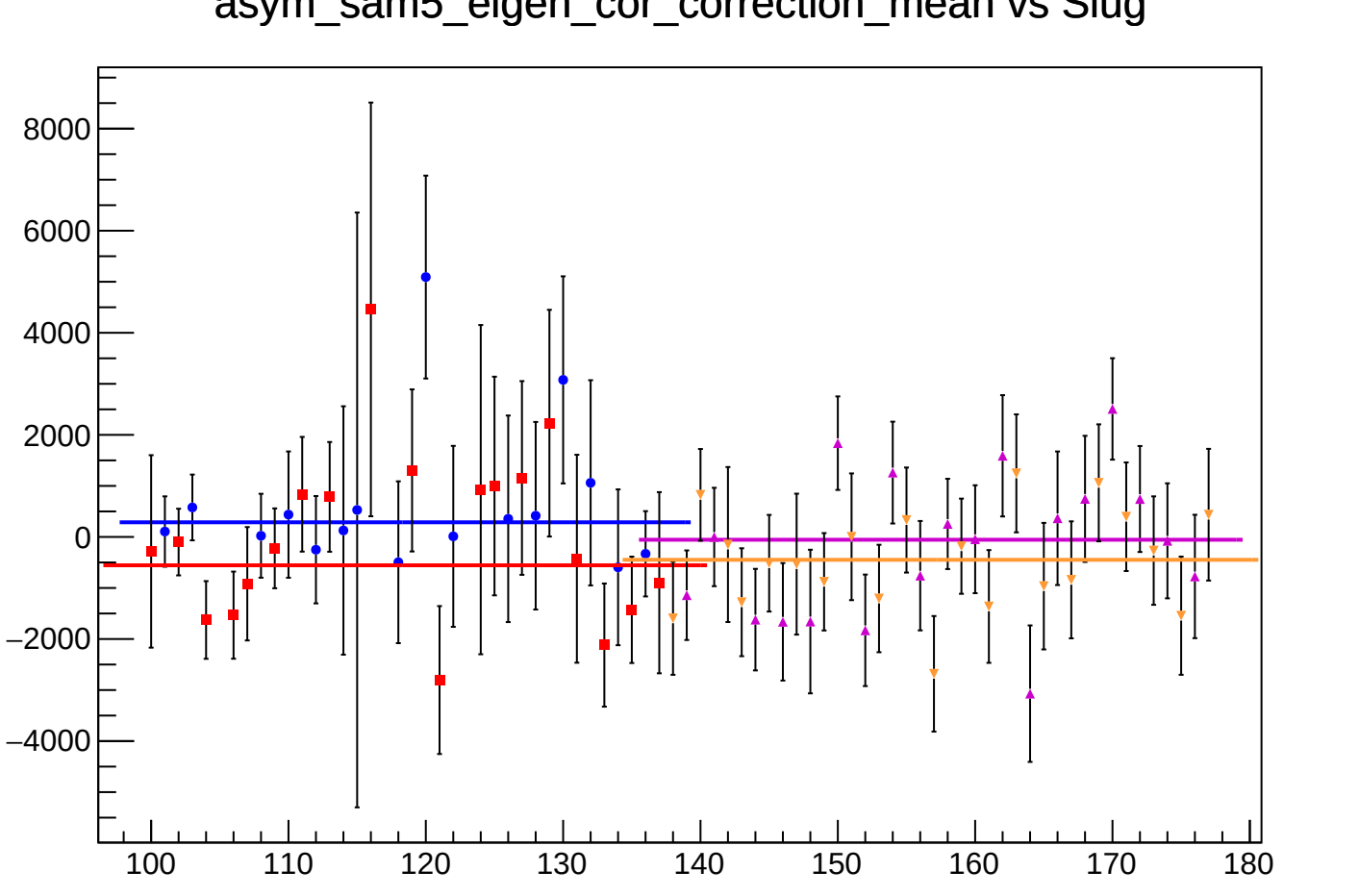
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 155.212+/-0.028 χ^2/NDF:338445.9/18

+ sign 130.559+/-0.019 χ^2/NDF: 2826148.2/36

All: 128.327+/-0.014 χ^2/NDF: 6297825.3/74

- sign 126.120+/-0.019 χ^2/NDF: 3445556.5/37



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -448.393+/-239.689 χ^2/NDF:16.0/20

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

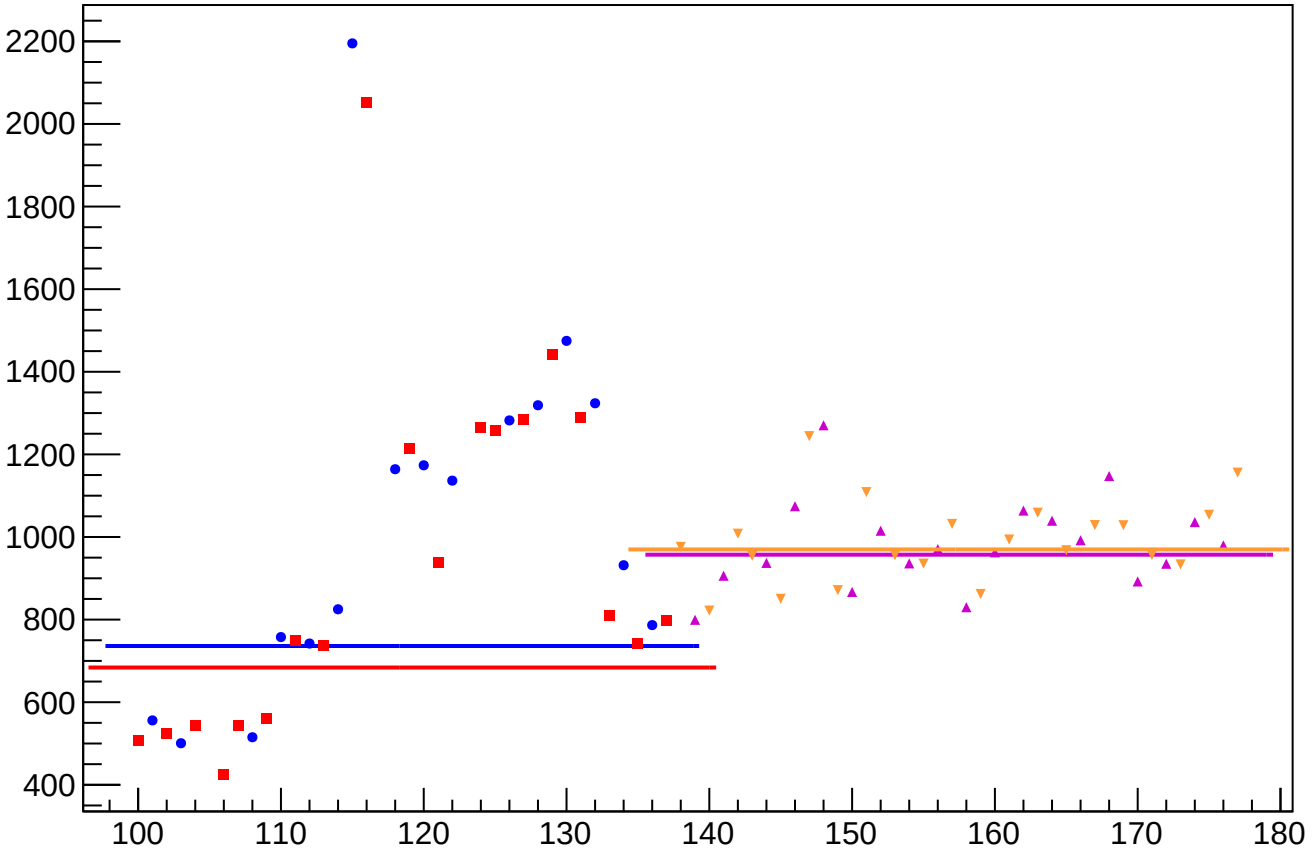
Left In: -55.081+/-245.138 χ^2/NDF:31.6/18

+ sign -154.167+/-185.641 χ^2/NDF: 29.5/36

All: -219.128+/-129.771 χ^2/NDF: 81.2/74

- sign -281.209+/-181.479 χ^2/NDF: 51.5/37

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 969.862+/-0.169 χ^2/NDF:326491.9/20

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

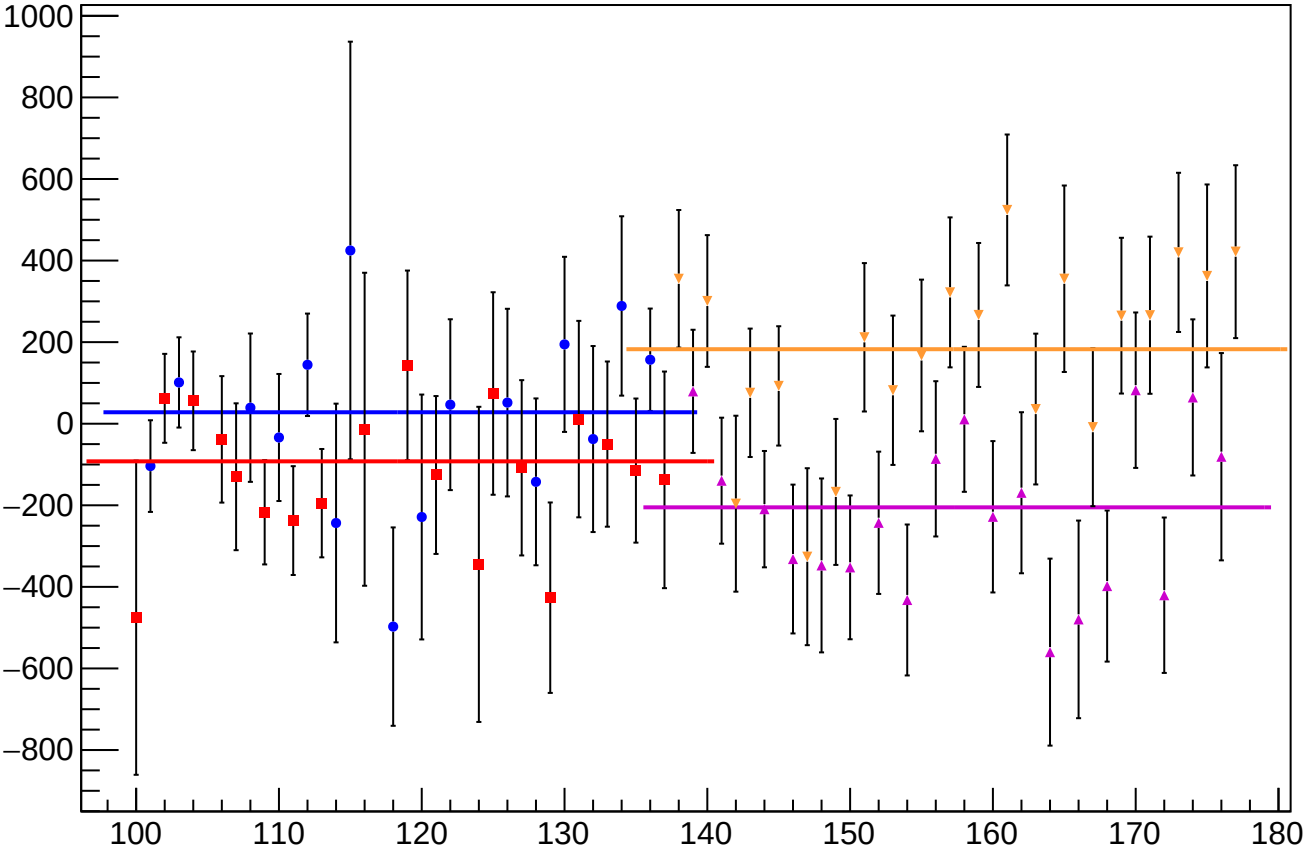
Left In: 957.157+/-0.173 χ^2/NDF:351059.0/18

+ sign 876.318+/-0.131 χ^2/NDF: 2932282.8/36

All: 854.525+/-0.092 χ^2/NDF: 6310104.0/74

- sign 833.699+/-0.128 χ^2/NDF: 3323920.4/37

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 182.672+/-40.415 χ^2/NDF:25.3/20

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

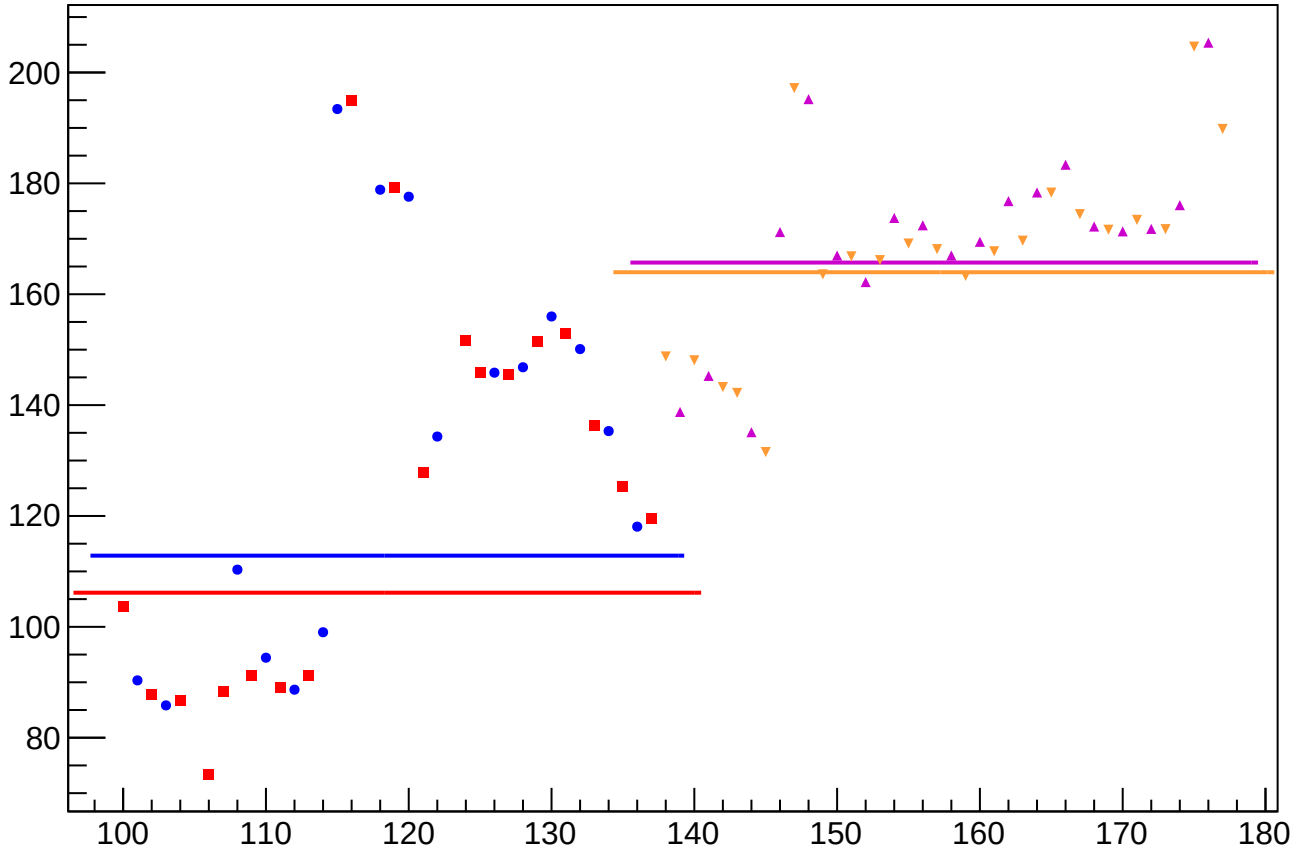
Left In: -205.020+/-42.323 χ^2/NDF:19.4/18

+ sign 110.950+/-29.589 χ^2/NDF: 45.7/36

All: -18.997+/-20.811 χ^2/NDF: 118.6/74

- sign -146.207+/-29.276 χ^2/NDF: 34.8/37

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 163.967+/-0.029 χ^2/NDF:364155.3/20

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

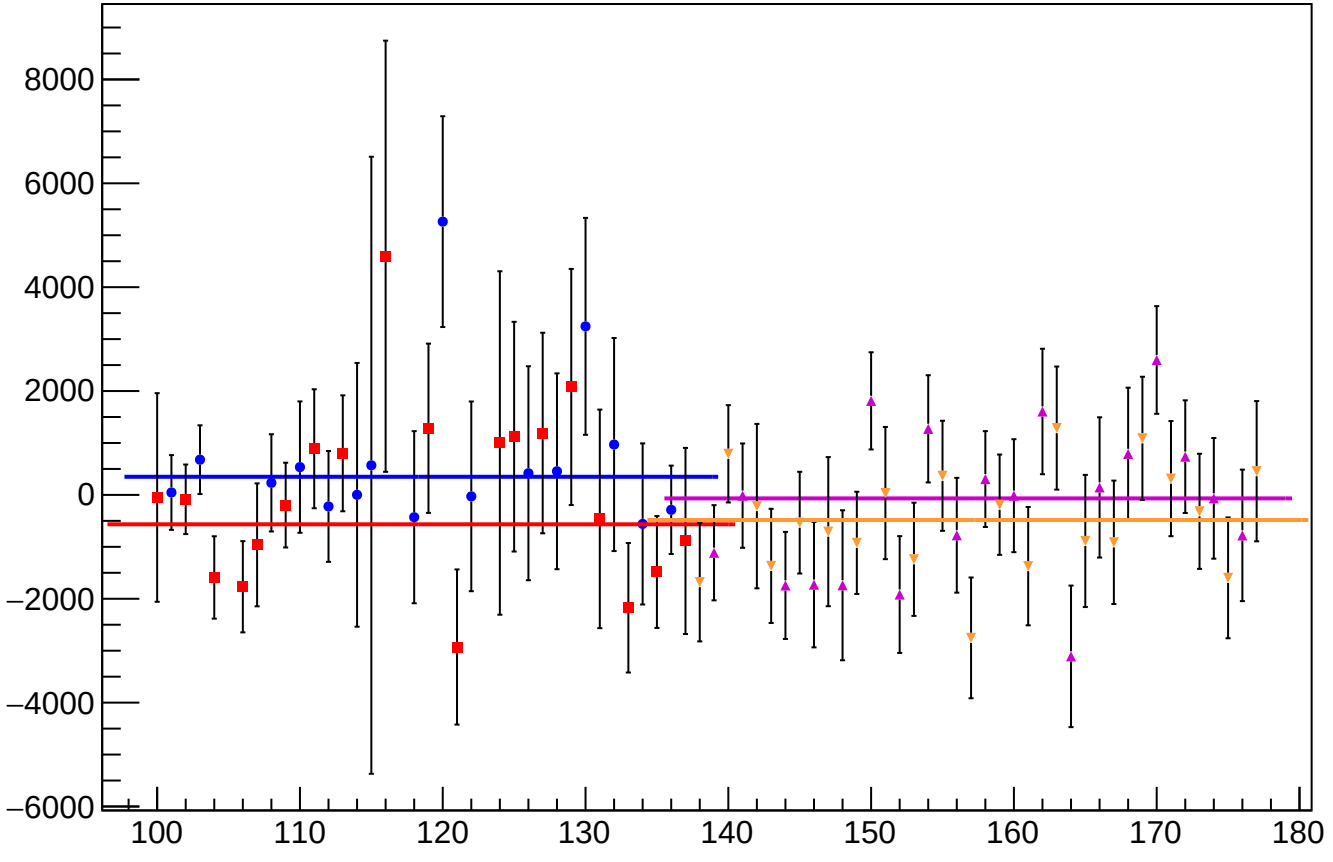
Left In: 165.713+/-0.030 χ^2/NDF:322841.6/18

+ sign 140.246+/-0.021 χ^2/NDF: 2721333.9/36

All: 137.420+/-0.015 χ^2/NDF: 6147674.2/74

- sign 134.654+/-0.021 χ^2/NDF: 3390239.2/37

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -483.887+/-247.762 χ^2/NDF:15.8/20

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

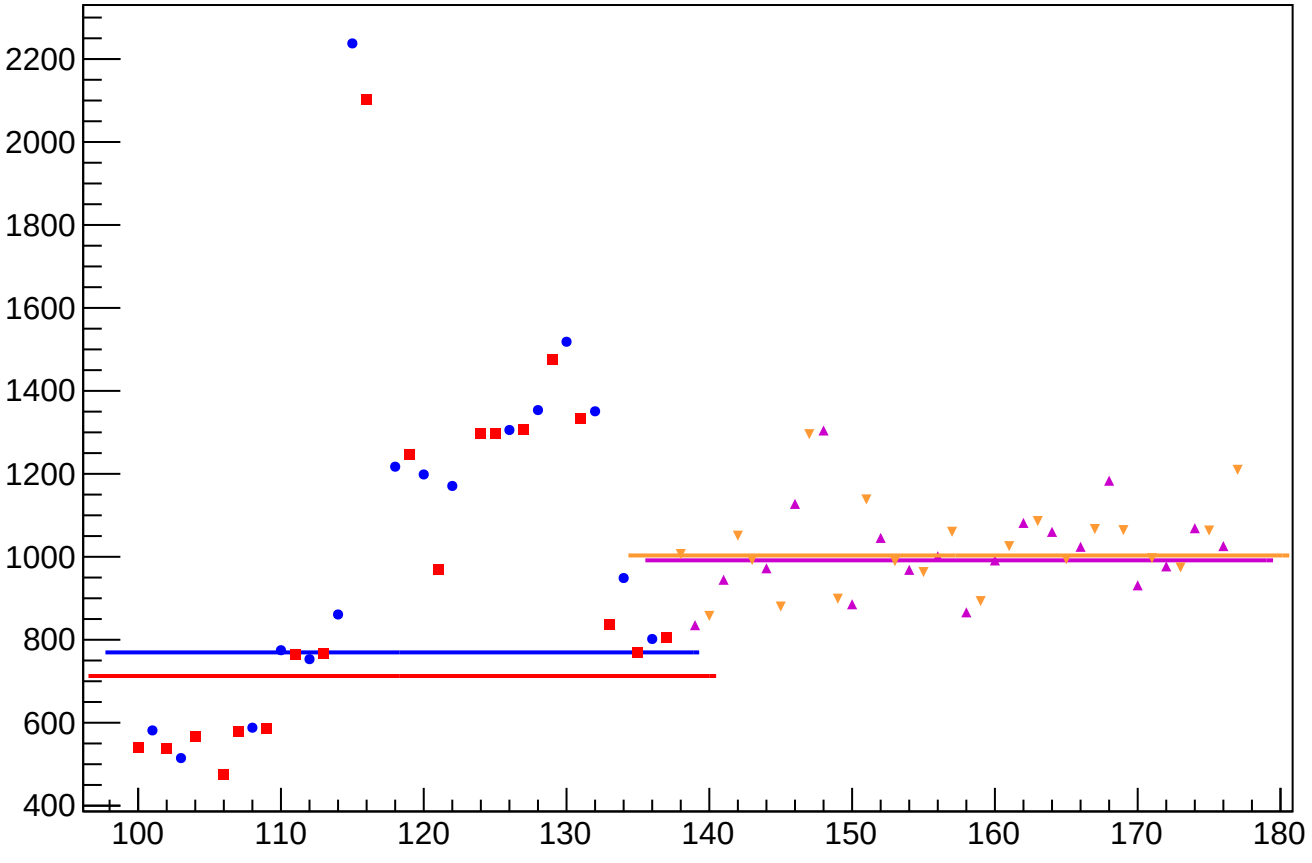
Left In: -67.305+/-253.761 χ^2/NDF:31.0/18

+ sign -153.157+/-192.389 χ^2/NDF: 30.1/36

All: -224.717+/-134.385 χ^2/NDF: 81.5/74

- sign -292.899+/-187.793 χ^2/NDF: 51.1/37

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1003.257+/-0.175 χ^2/NDF:319142.5/20

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

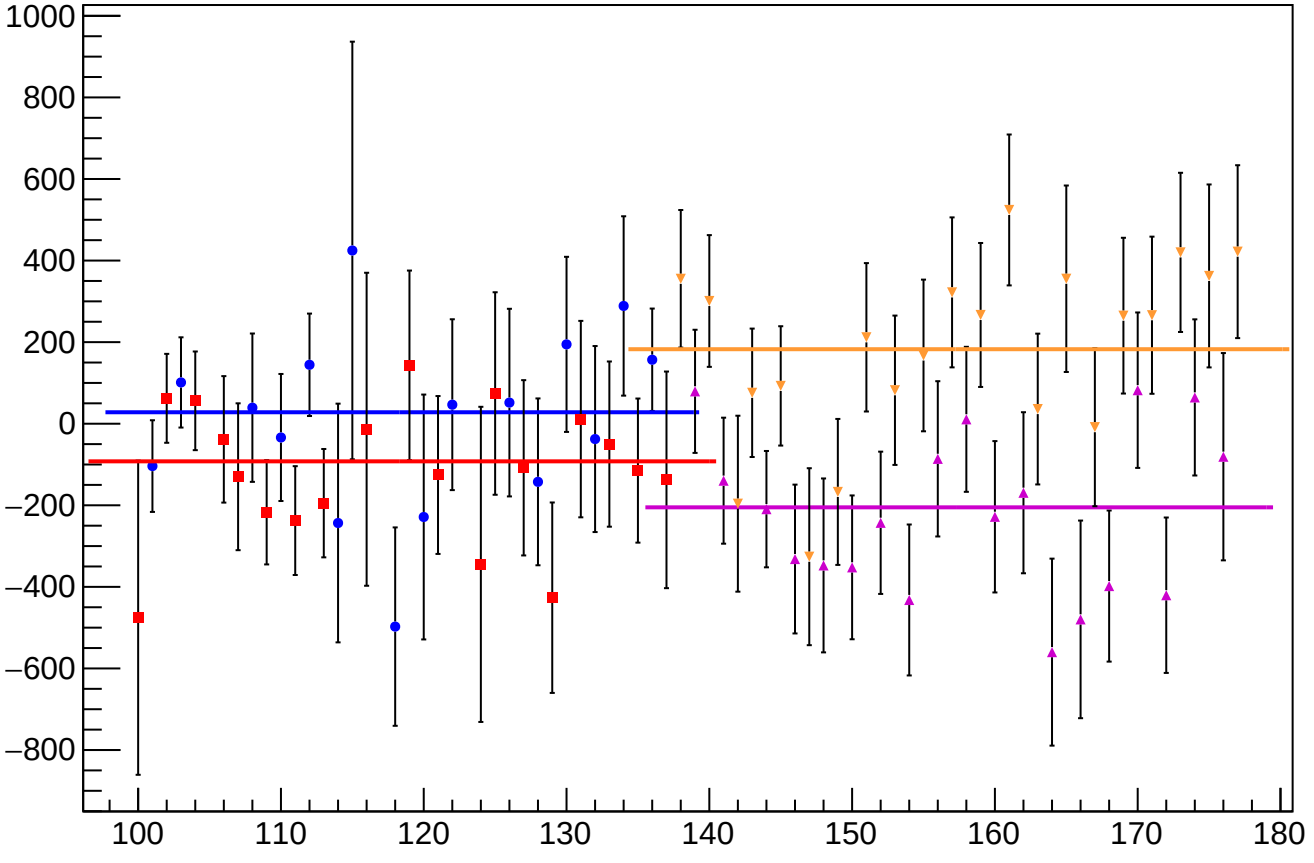
Left In: 991.474+/-0.179 χ^2/NDF:331112.8/18

+ sign 910.470+/-0.136 χ^2/NDF: 2765570.6/36

All: 887.360+/-0.095 χ^2/NDF: 6012656.7/74

- sign 865.340+/-0.133 χ^2/NDF: 3190728.5/37

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 182.673+/-40.415 χ^2/NDF:25.3/20

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

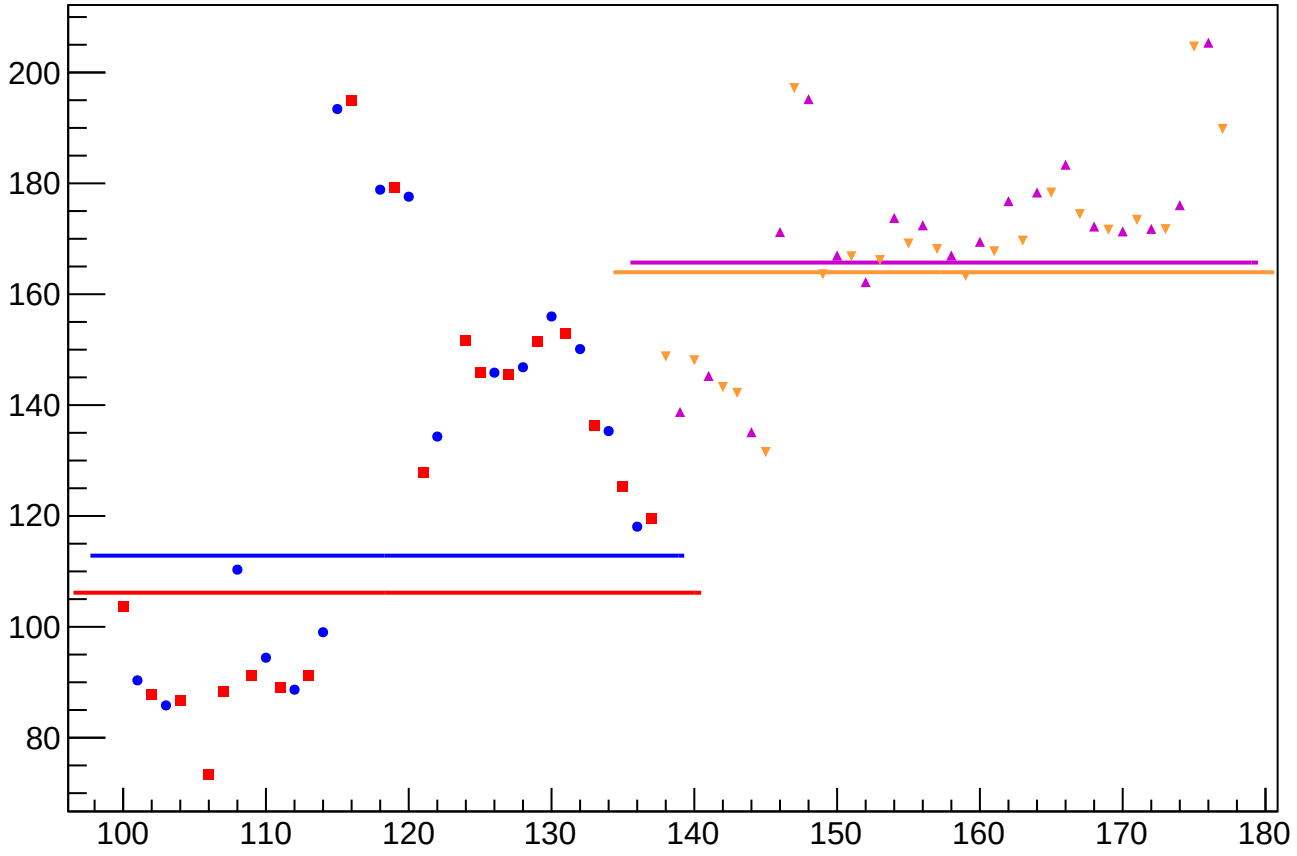
Left In: -205.021+/-42.323 χ^2/NDF:19.4/18

+ sign 110.950+/-29.589 χ^2/NDF: 45.7/36

All: -18.997+/-20.811 χ^2/NDF: 118.6/74

- sign -146.207+/-29.276 χ^2/NDF: 34.8/37

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 163.967+/-0.029 χ^2/NDF:364151.4/20

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

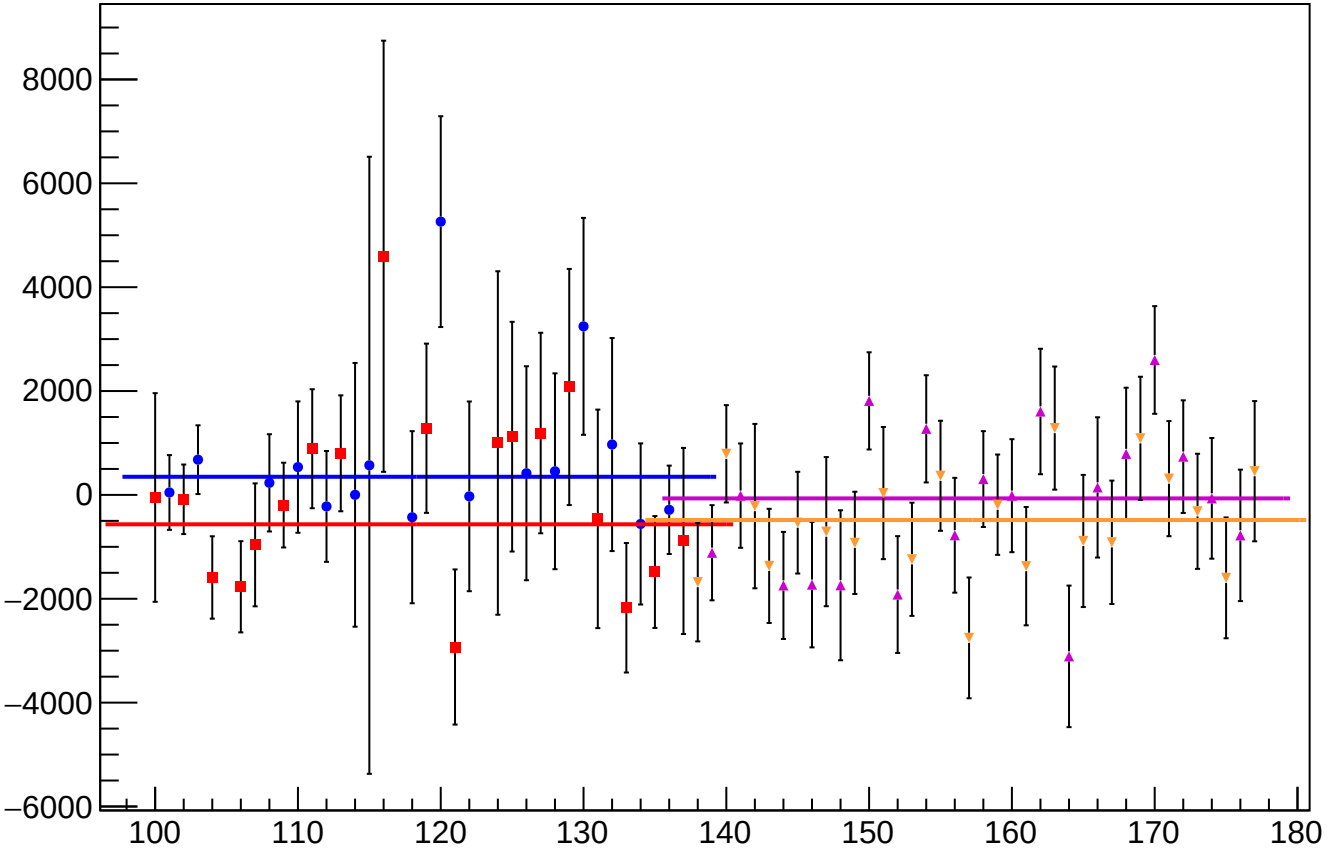
Left In: 165.713+/-0.030 χ^2/NDF:322832.7/18

+ sign 140.246+/-0.021 χ^2/NDF: 2721352.6/36

All: 137.420+/-0.015 χ^2/NDF: 6147706.6/74

- sign 134.654+/-0.021 χ^2/NDF: 3390253.7/37

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -483.886+/-247.762 χ^2/NDF:15.8/20

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

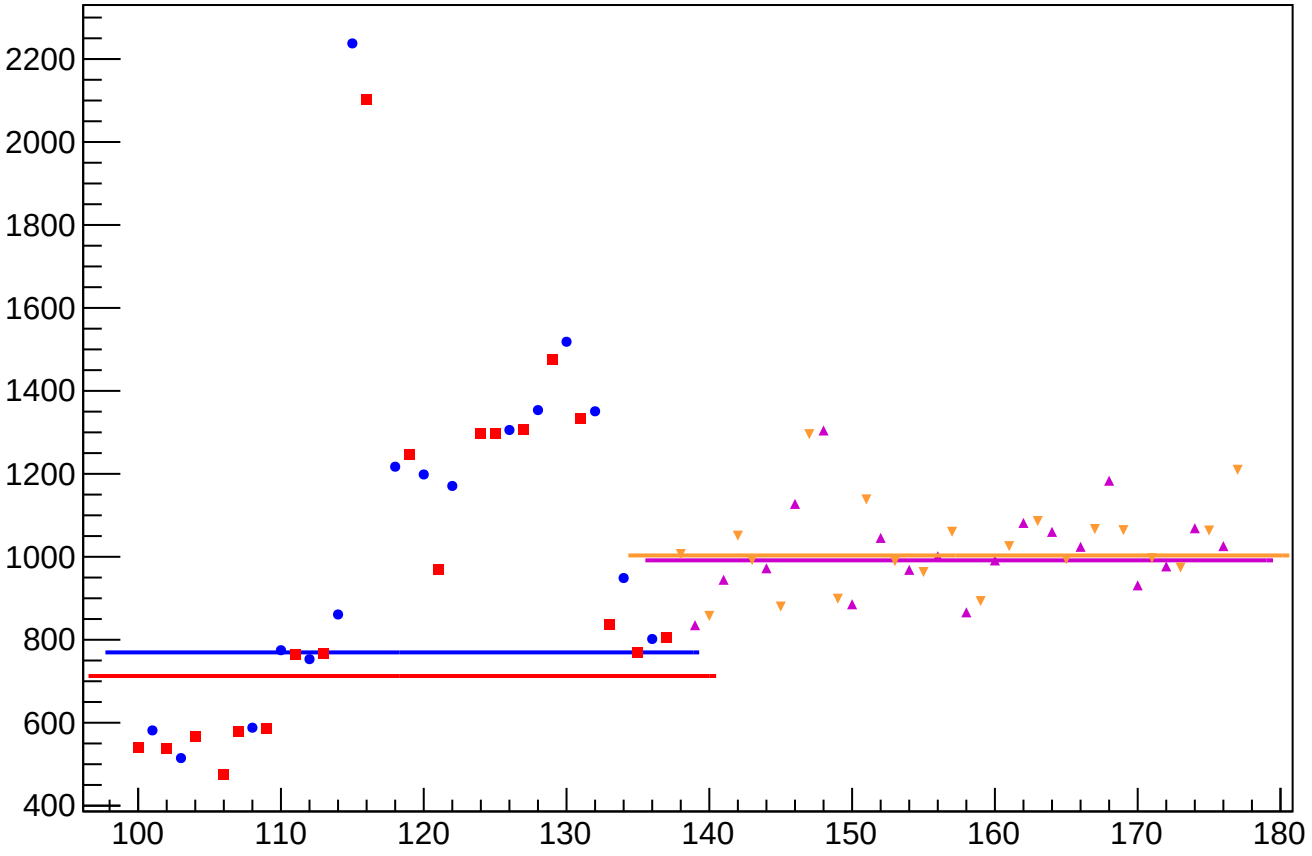
Left In: -67.305+/-253.761 χ^2/NDF:31.0/18

+ sign -153.156+/-192.389 χ^2/NDF: 30.1/36

All: -224.717+/-134.385 χ^2/NDF: 81.5/74

- sign -292.900+/-187.793 χ^2/NDF: 51.1/37

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1003.259+/-0.175 χ^2/NDF:319139.7/20

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

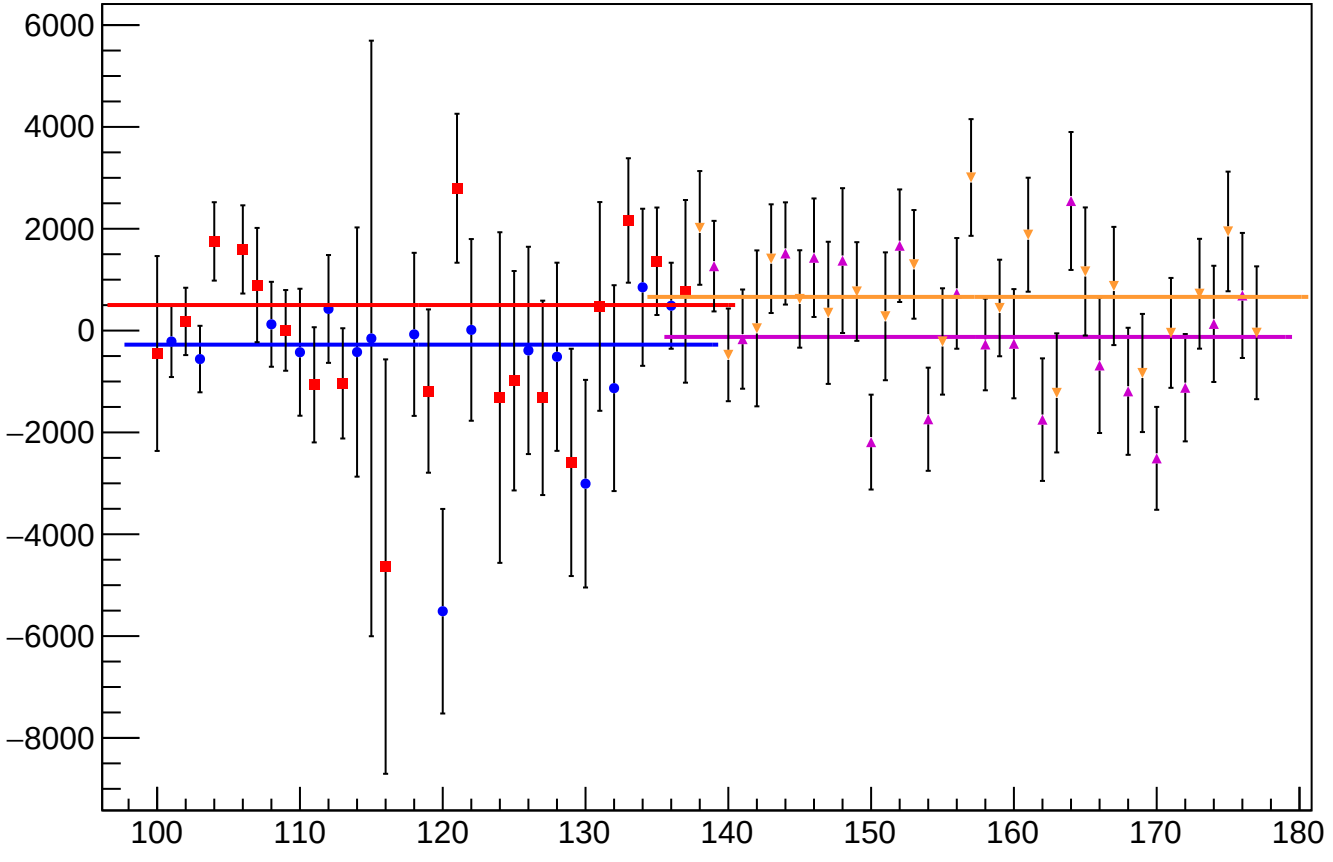
Left In: 991.476+/-0.179 χ^2/NDF:331111.8/18

+ sign 910.470+/-0.136 χ^2/NDF: 2765580.6/36

All: 887.360+/-0.095 χ^2/NDF: 6012678.9/74

- sign 865.340+/-0.133 χ^2/NDF: 3190740.1/37

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 661.648+/-242.804 χ^2/NDF:16.7/20

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

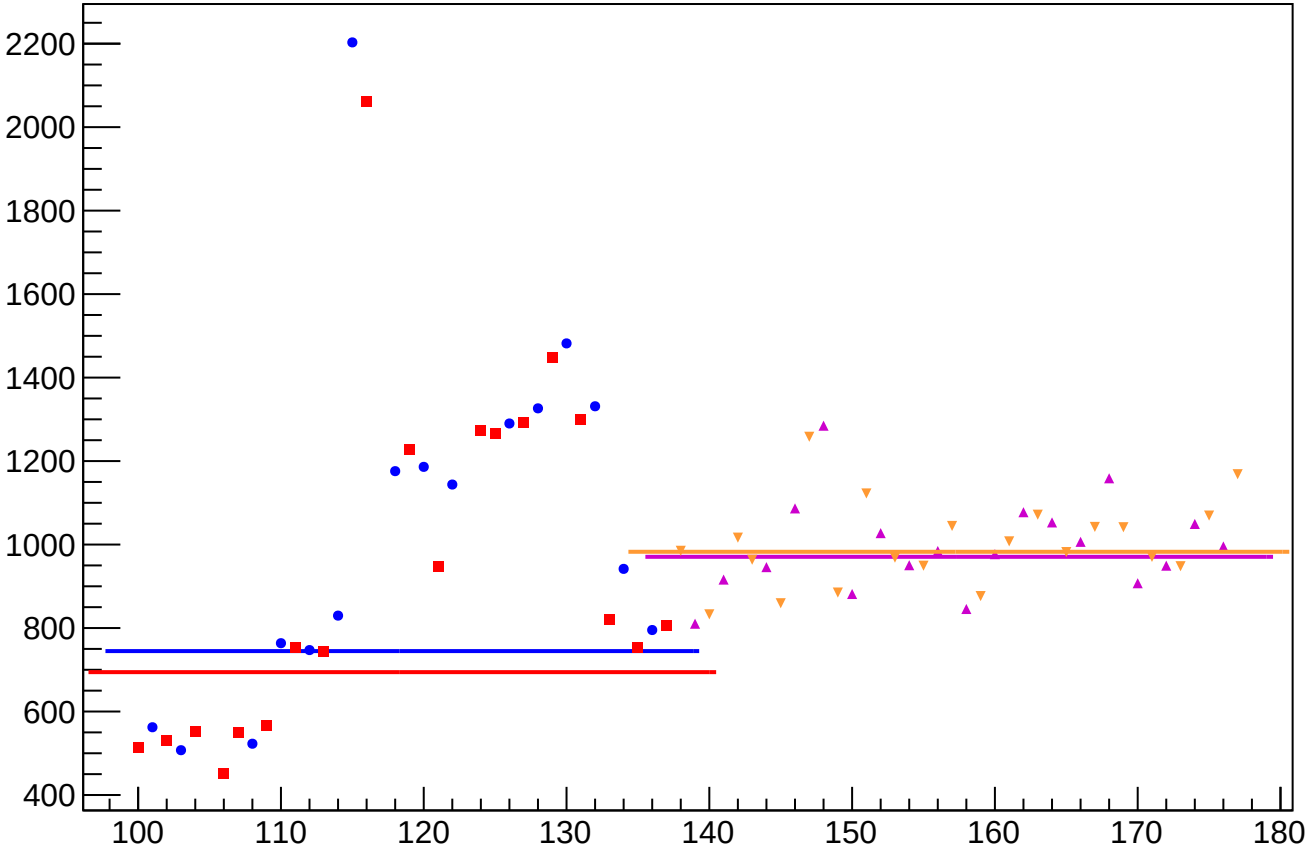
Left In: -124.514+/-248.521 χ^2/NDF:32.3/18

+ sign 285.501+/-187.907 χ^2/NDF: 33.8/36

All: 221.051+/-131.385 χ^2/NDF: 89.7/74

- sign 159.404+/-183.774 χ^2/NDF: 55.7/37

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 982.703+/-0.172 χ^2/NDF:322129.1/20

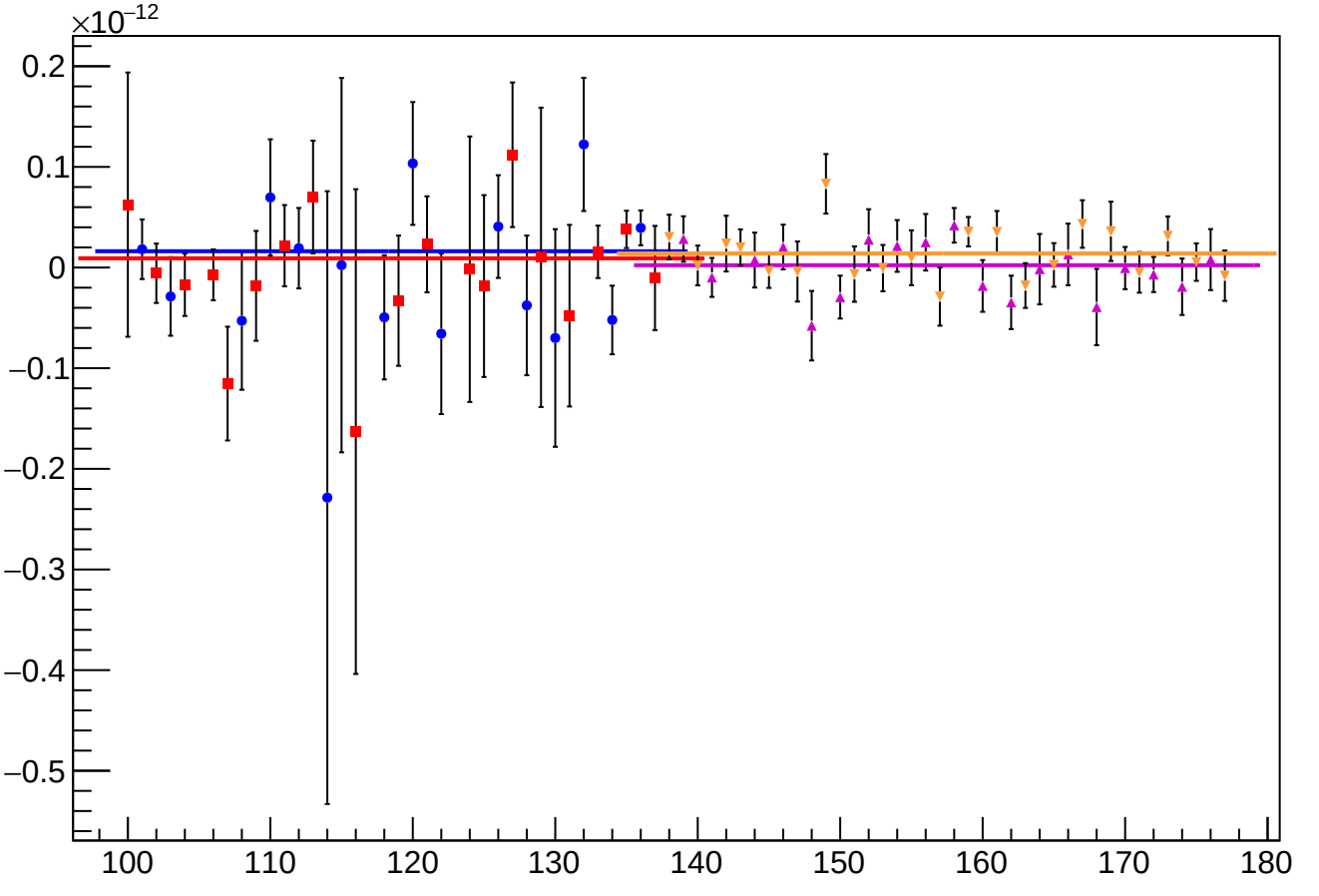
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 970.638+/-0.176 χ^2/NDF:342158.1/18

+ sign 887.279+/-0.133 χ^2/NDF: 2914889.3/36

All: 865.889+/-0.093 χ^2/NDF: 6231728.0/74

- sign 845.428+/-0.130 χ^2/NDF: 3266130.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

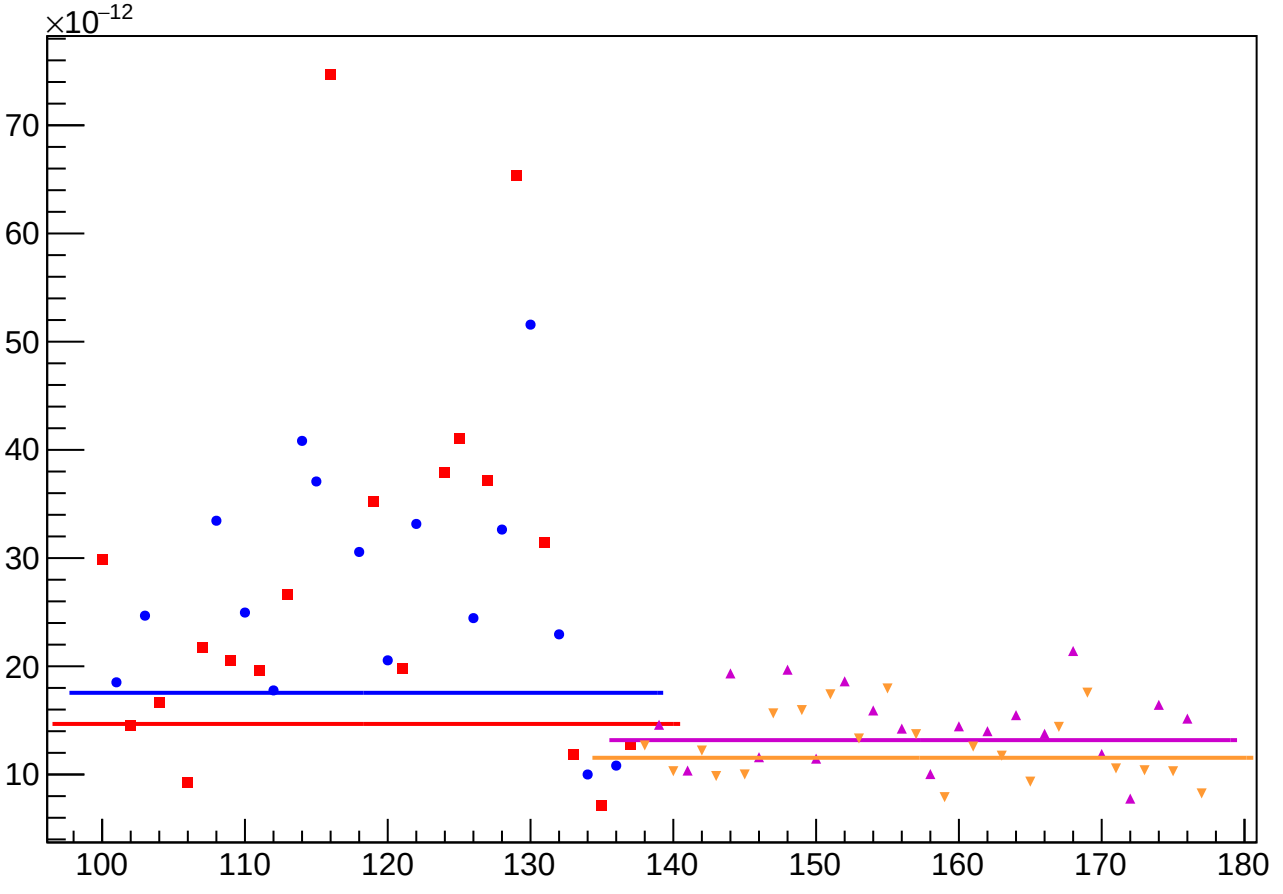
Left In: 0.000+/-0.000 χ^2/NDF:19.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 39.5/36

All: 0.000+/-0.000 χ^2/NDF: 76.2/74

- sign 0.000+/-0.000 χ^2/NDF: 34.2/37

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:673488.1/20

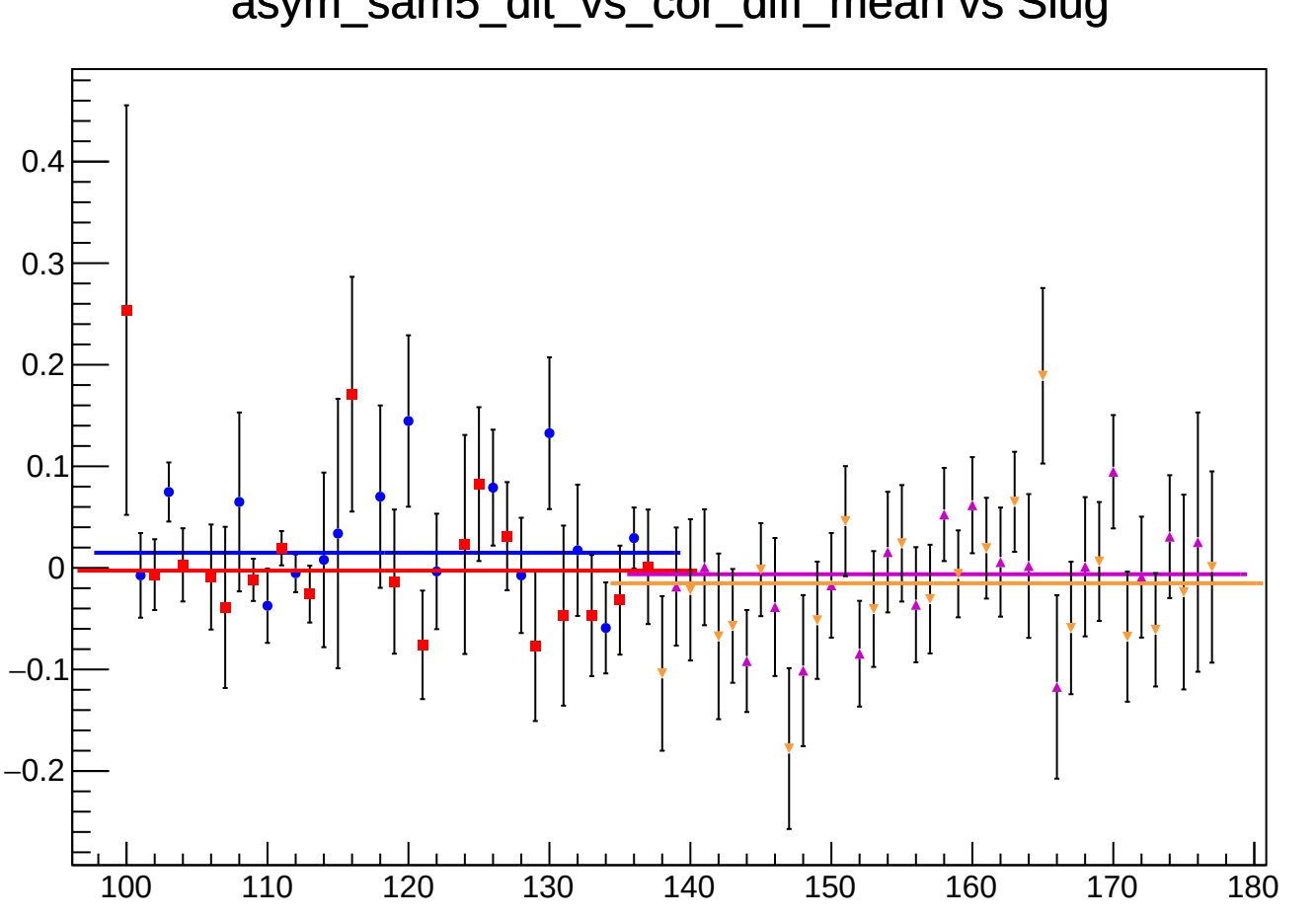
Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:747946.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 2357483.5/36

All: 0.000+/-0.000 χ^2/NDF: 4935305.5/74

- sign 0.000+/-0.000 χ^2/NDF: 2527097.5/37



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/20

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

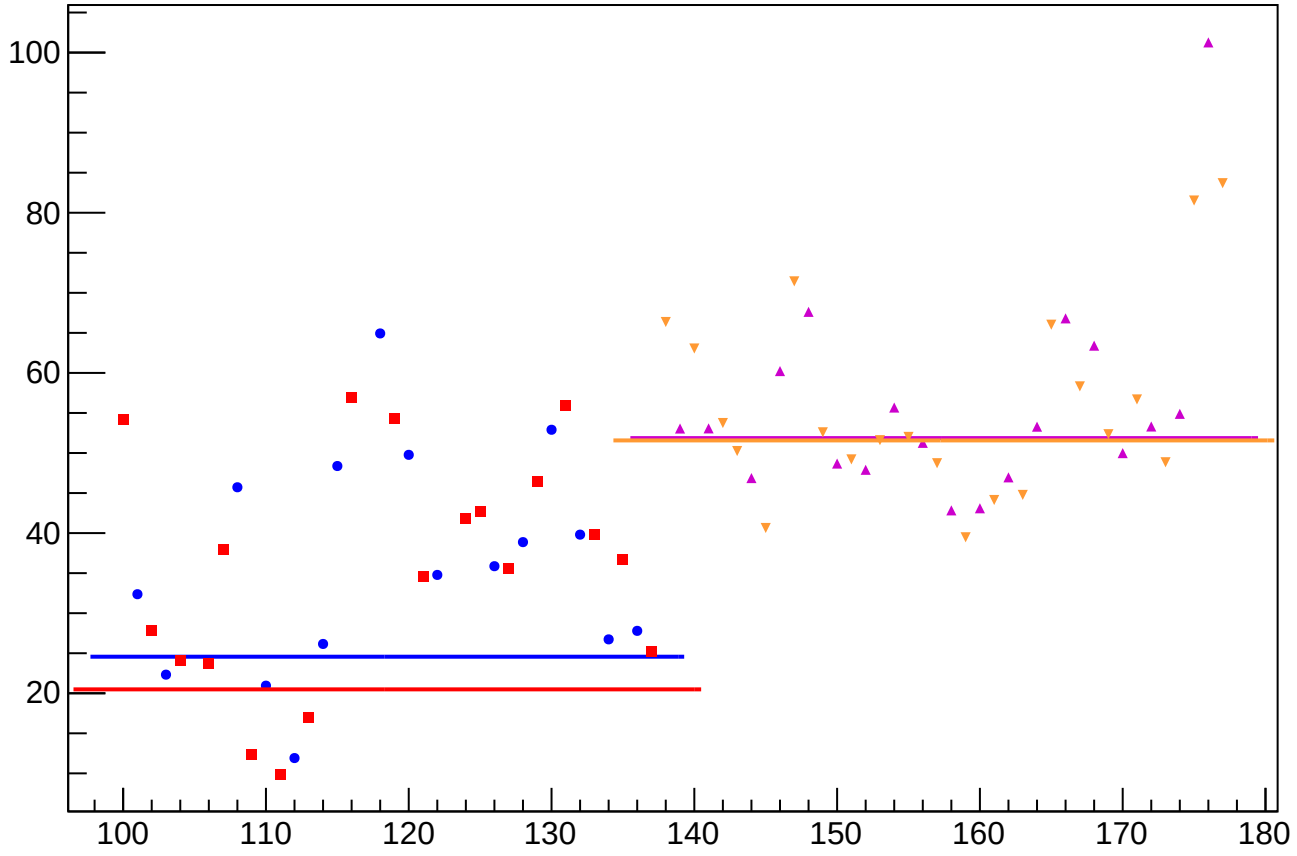
Left In: -0.006+/-0.014 χ^2/NDF:16.5/18

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/36

All: -0.001+/-0.006 χ^2/NDF: 70.2/74

- sign -0.004+/-0.008 χ^2/NDF: 29.0/37

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148837.1/20

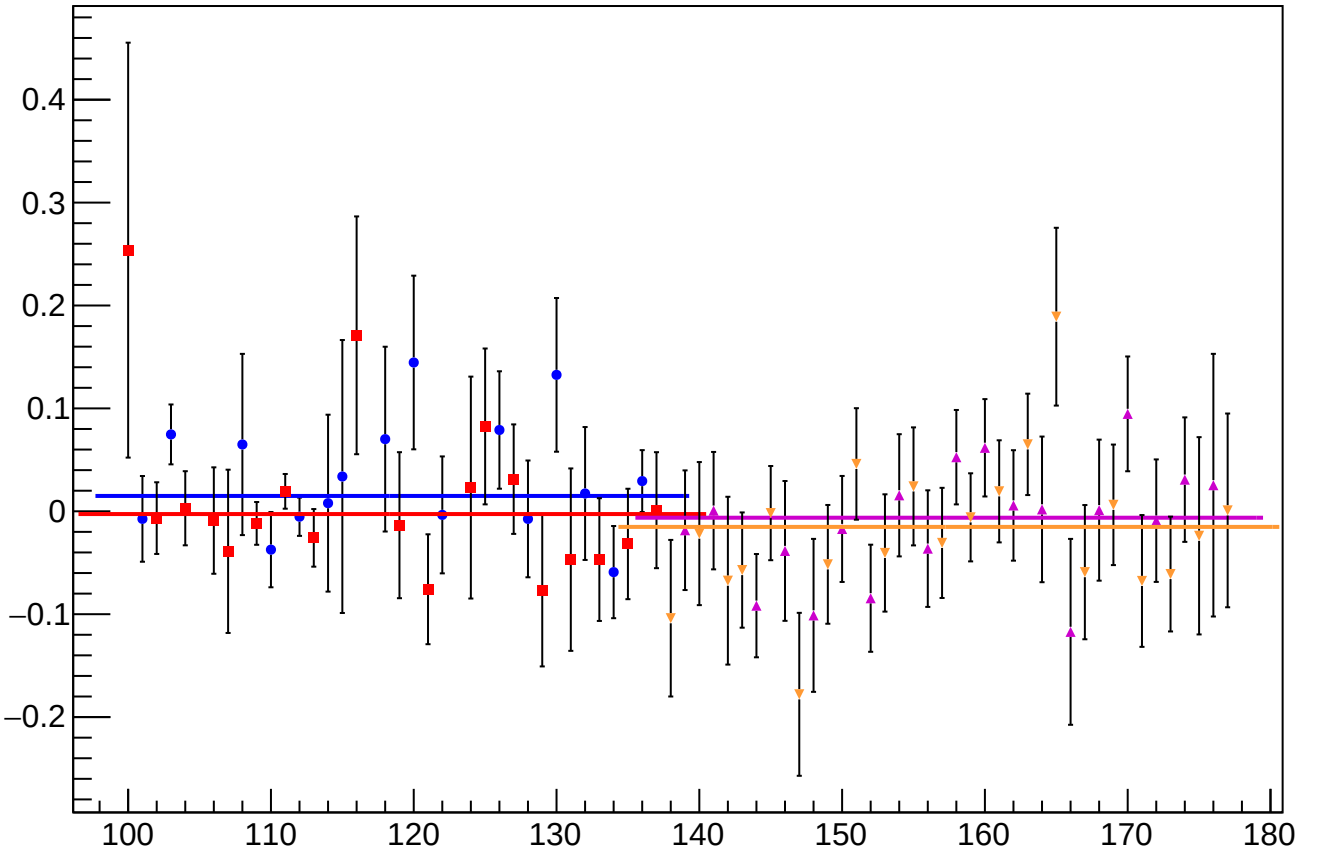
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.861+/-0.010 χ^2/NDF:752620.2/18

+ sign 35.315+/-0.006 χ^2/NDF: 8812929.9/36

All: 32.710+/-0.004 χ^2/NDF: 20881072.4/74

- sign 30.469+/-0.005 χ^2/NDF: 11693881.5/37



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/20

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

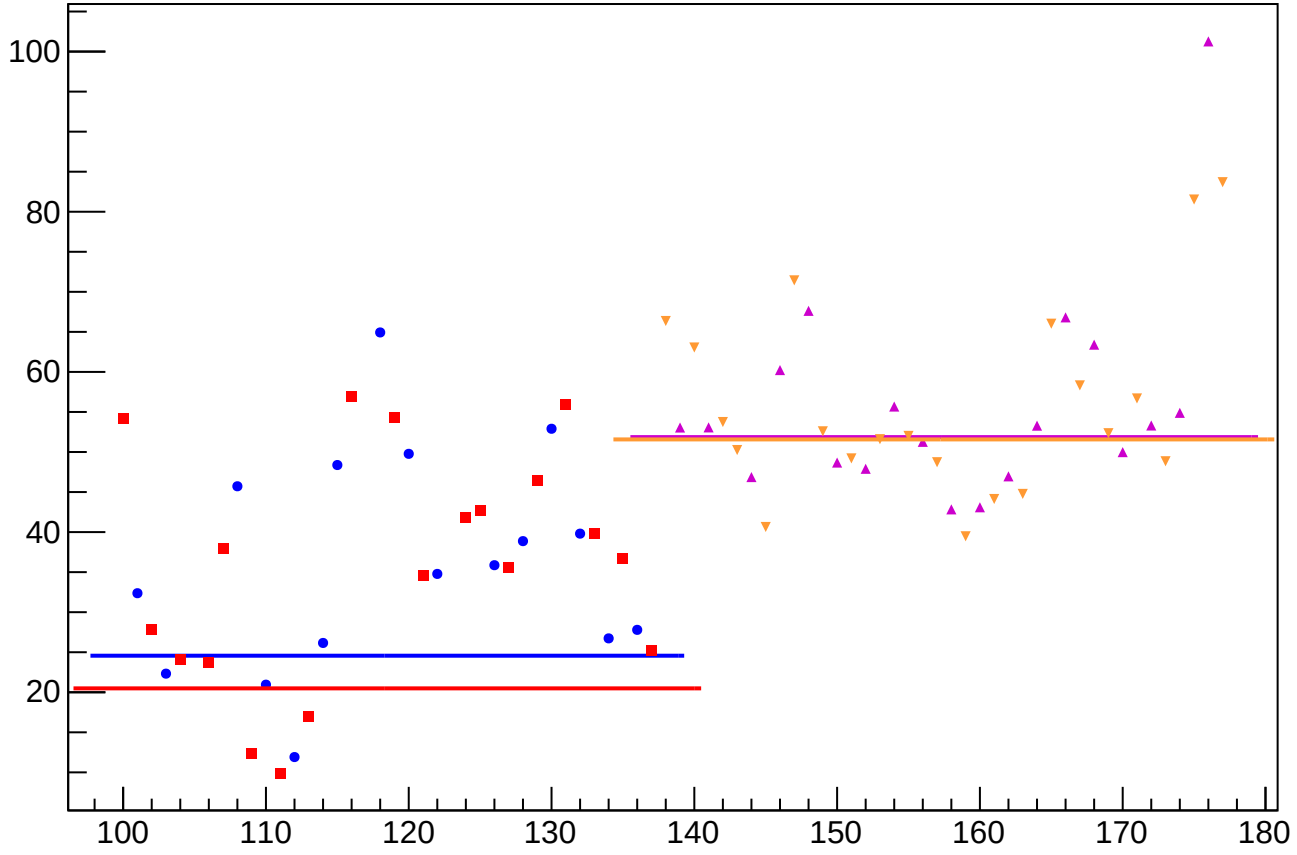
Left In: -0.006+/-0.014 χ^2/NDF:16.5/18

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/36

All: -0.001+/-0.006 χ^2/NDF: 70.2/74

- sign -0.004+/-0.008 χ^2/NDF: 29.0/37

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148837.1/20

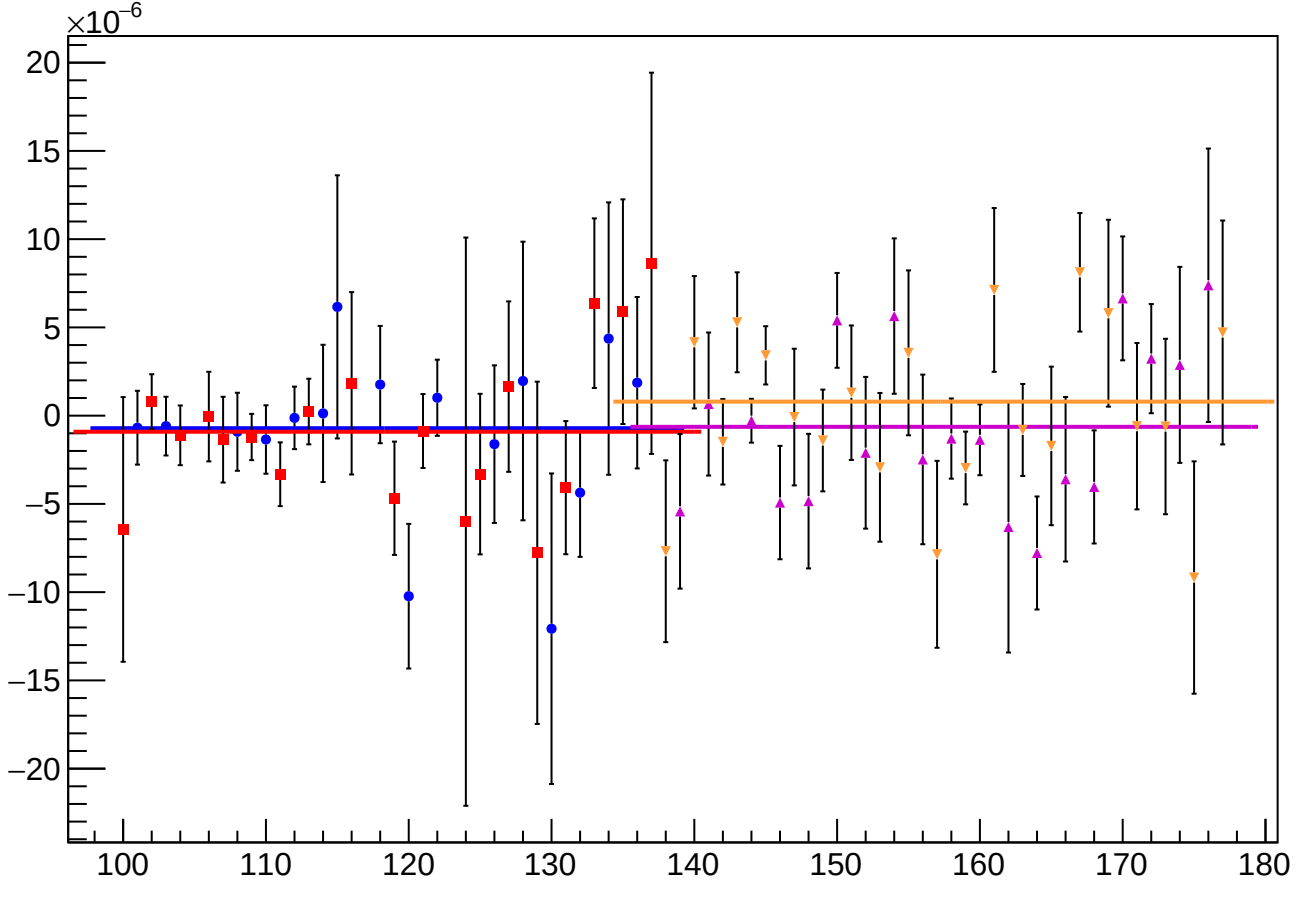
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.861+/-0.010 χ^2/NDF:752620.2/18

+ sign 35.315+/-0.006 χ^2/NDF: 8812929.9/36

All: 32.710+/-0.004 χ^2/NDF: 20881072.4/74

- sign 30.469+/-0.005 χ^2/NDF: 11693881.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/20

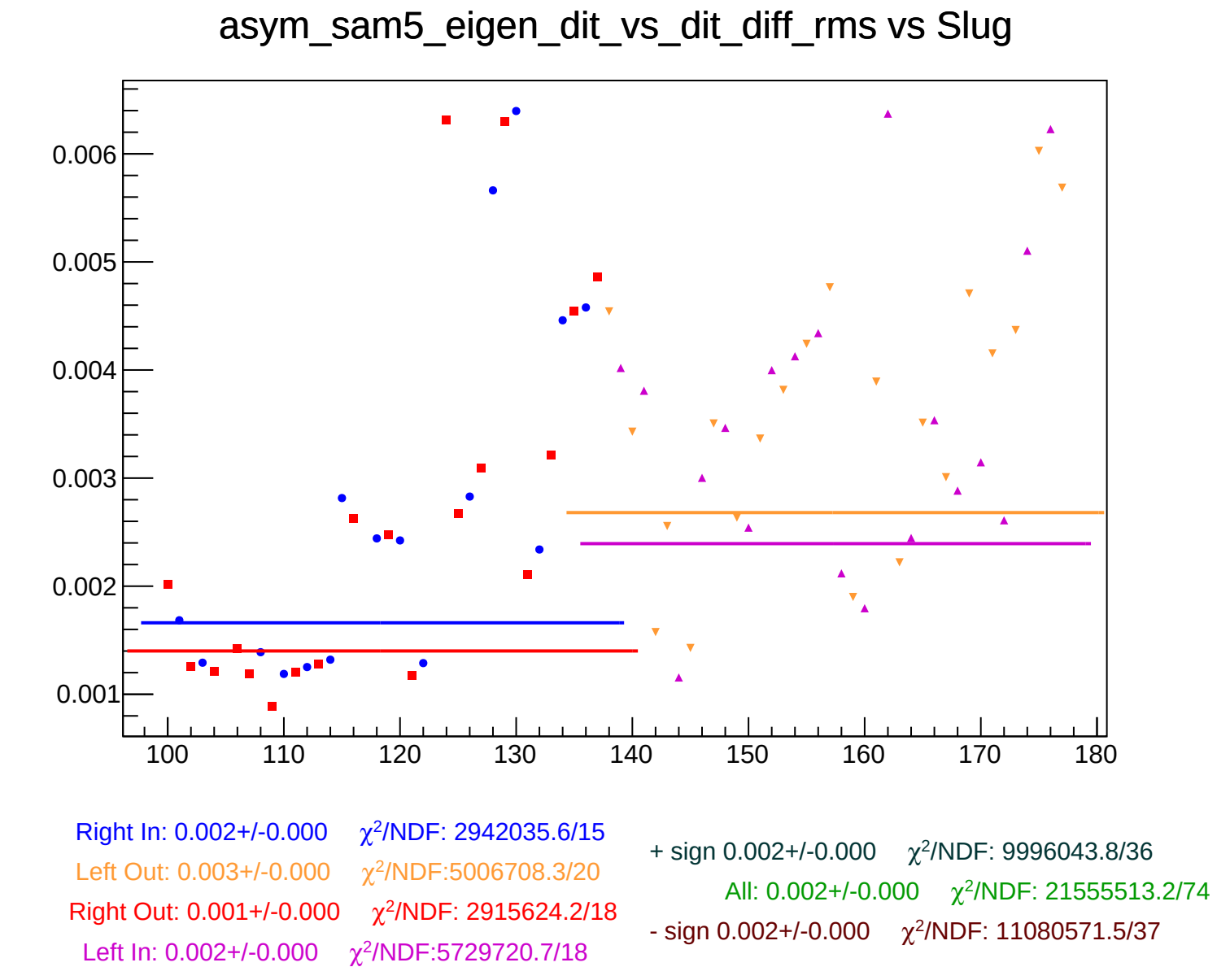
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

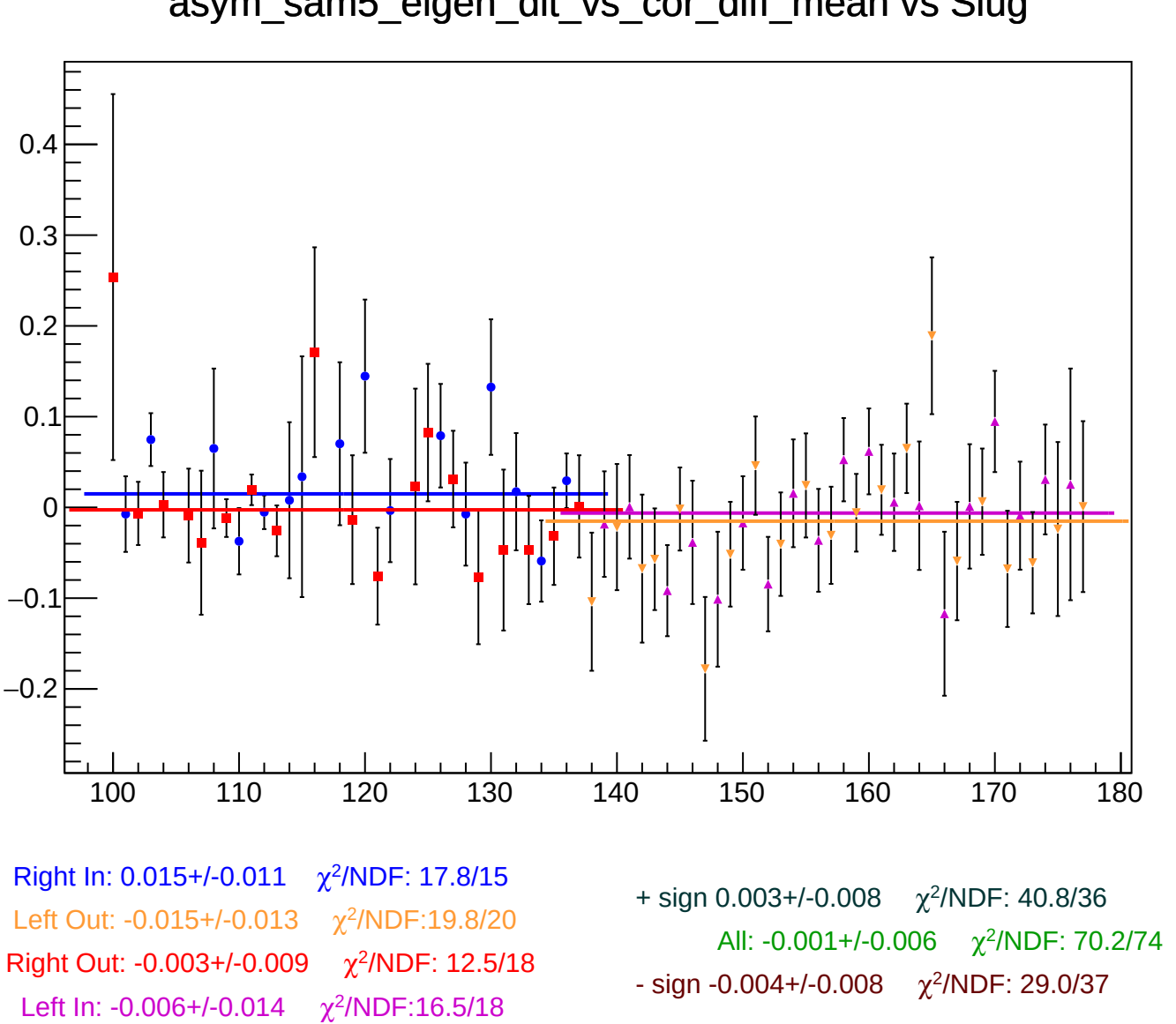
Left In: -0.000+/-0.000 χ^2/NDF:26.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 41.8/36

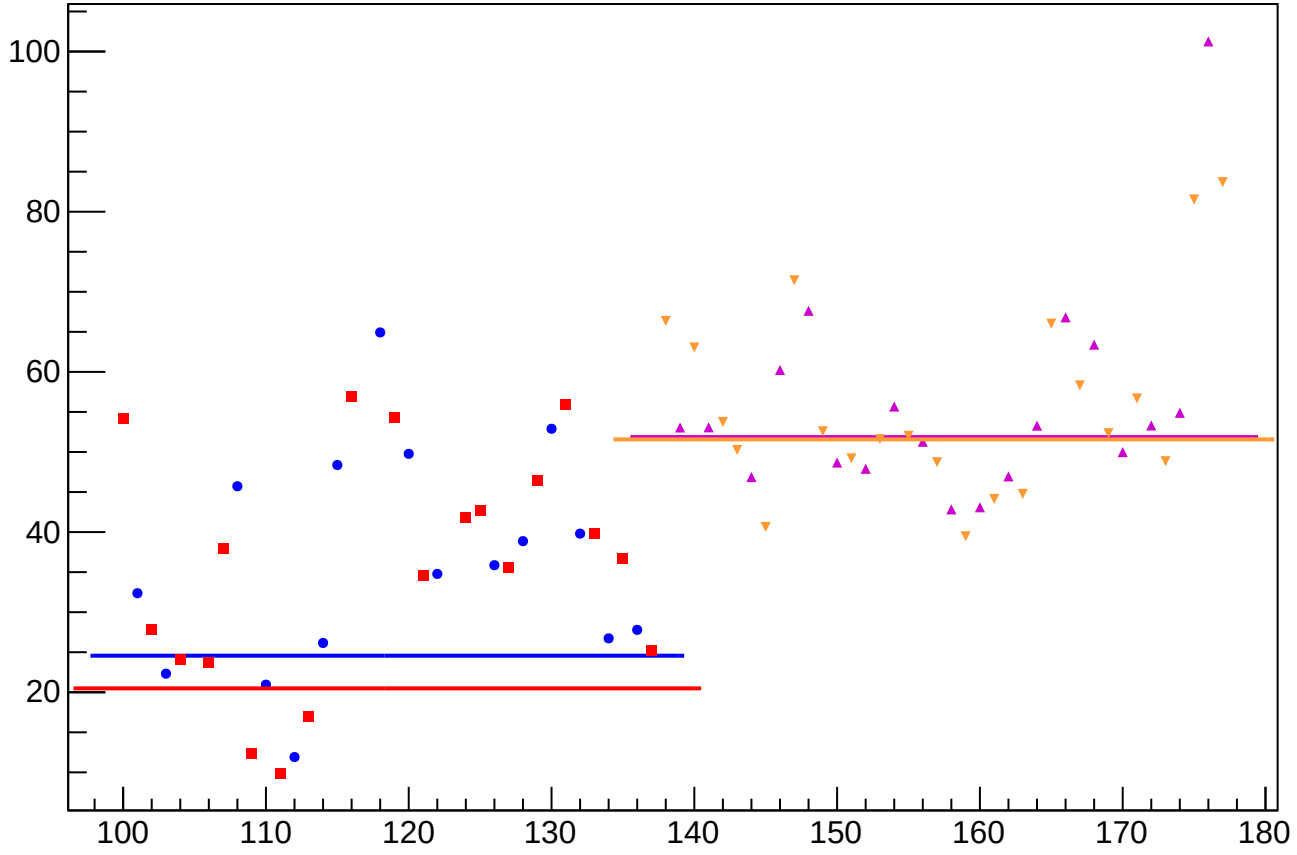
All: -0.000+/-0.000 χ^2/NDF: 81.6/74

- sign -0.000+/-0.000 χ^2/NDF: 38.4/37


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.003+/-0.000 χ²/NDF:5006708.3/20
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:5729720.7/18
+ sign 0.002+/-0.000 χ²/NDF: 9996043.8/36
All: 0.002+/-0.000 χ²/NDF: 21555513.2/74
- sign 0.002+/-0.000 χ²/NDF: 11080571.5/37


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: -0.015+/-0.013 χ²/NDF:19.8/20
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.006+/-0.014 χ²/NDF:16.5/18
+ sign 0.003+/-0.008 χ²/NDF: 40.8/36
All: -0.001+/-0.006 χ²/NDF: 70.2/74
- sign -0.004+/-0.008 χ²/NDF: 29.0/37

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148930.3/20

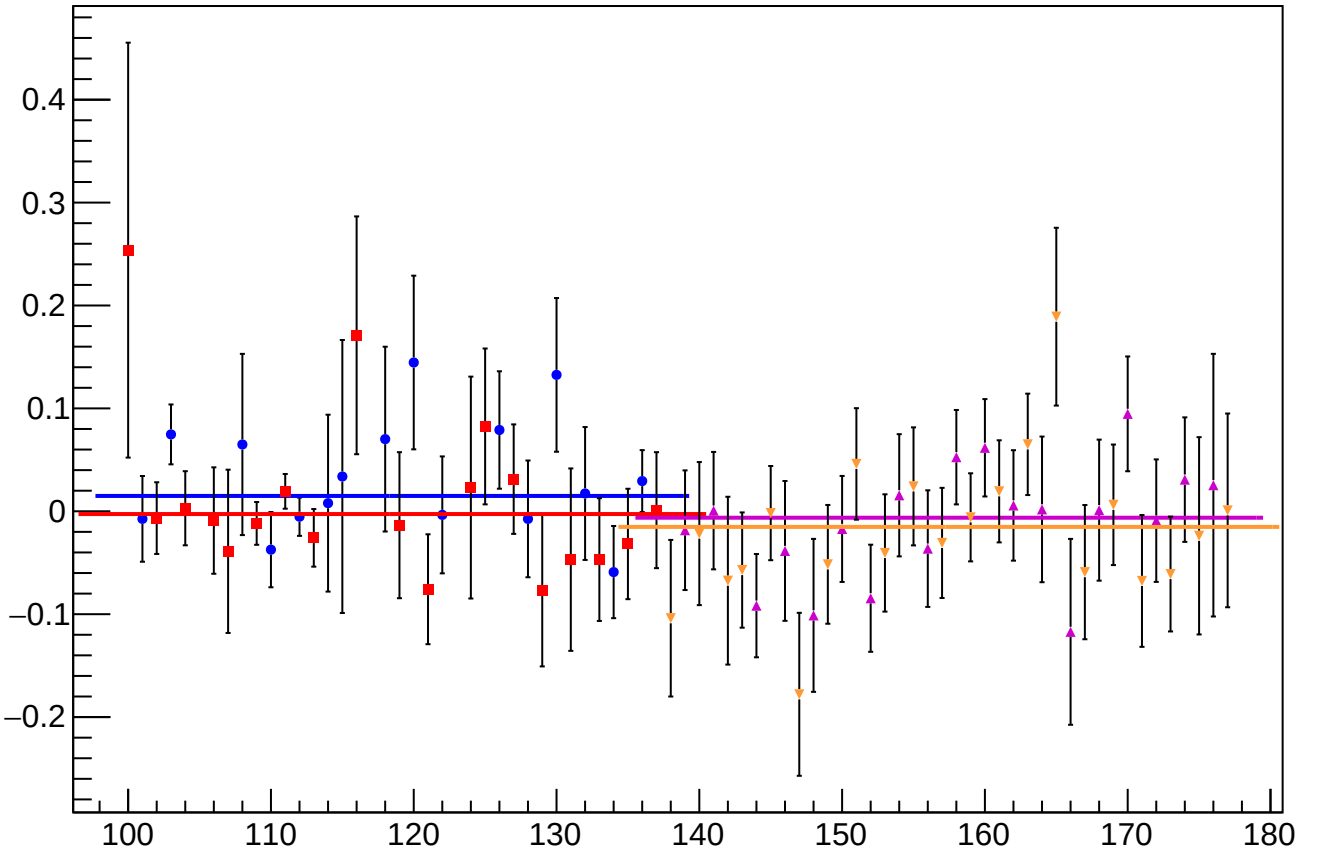
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.861+/-0.010 χ^2/NDF:752701.2/18

+ sign 35.314+/-0.006 χ^2/NDF: 8813265.0/36

All: 32.709+/-0.004 χ^2/NDF: 20881878.4/74

- sign 30.468+/-0.005 χ^2/NDF: 11694324.3/37



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/20

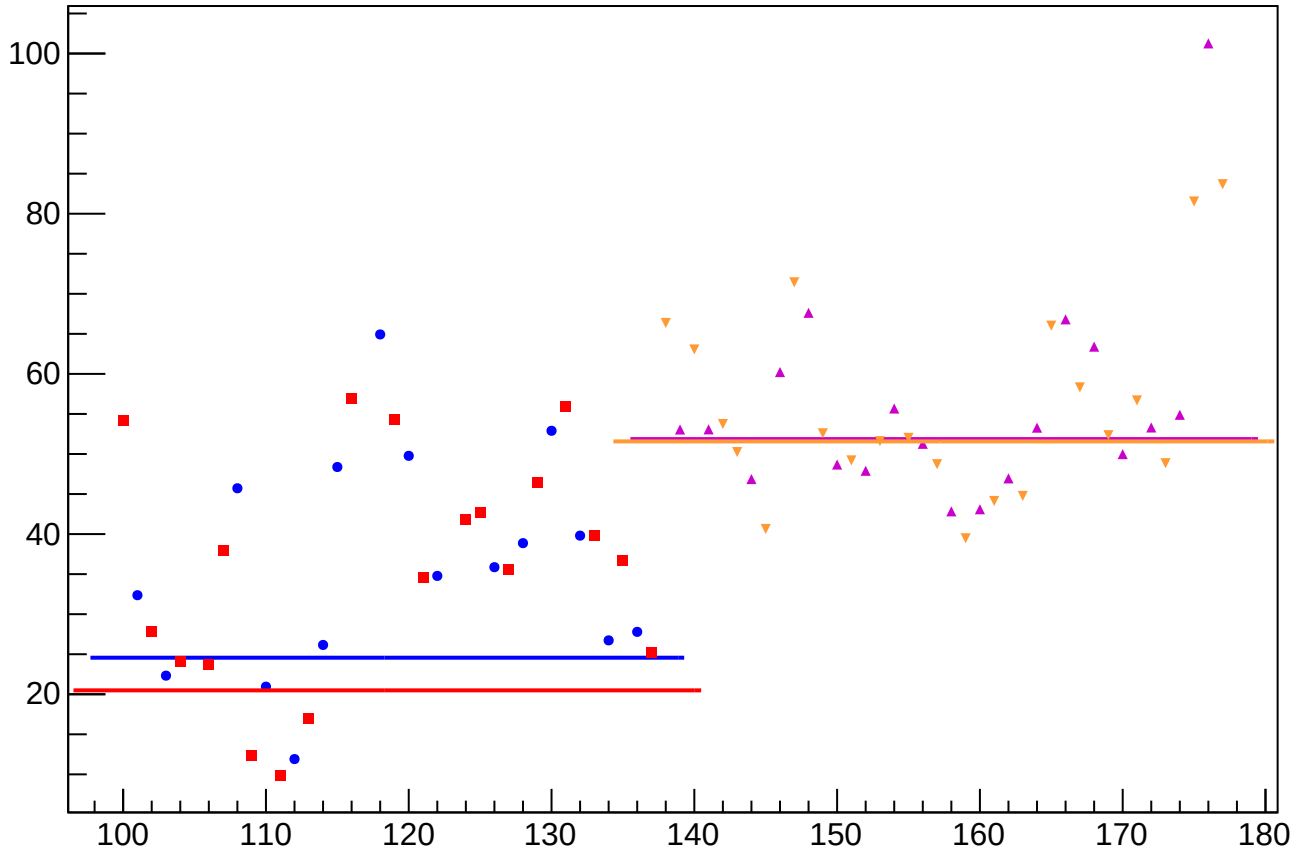
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.006+/-0.014 χ^2/NDF:16.5/18

+ sign 0.003+/-0.008 χ^2/NDF: 40.8/36

All: -0.001+/-0.006 χ^2/NDF: 70.2/74

- sign -0.004+/-0.008 χ^2/NDF: 29.0/37



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148930.3/20

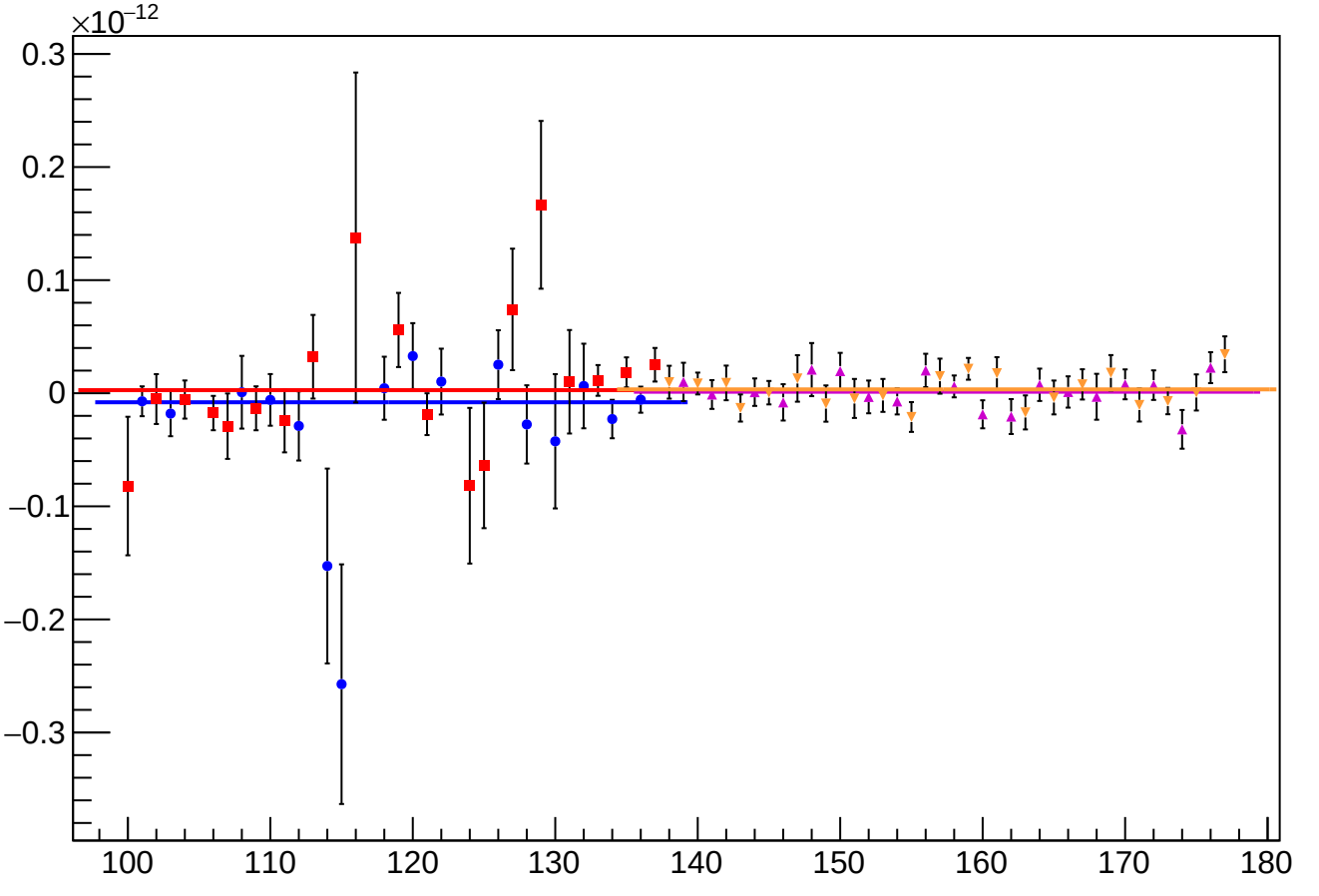
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.861+/-0.010 χ^2/NDF:752701.2/18

+ sign 35.314+/-0.006 χ^2/NDF: 8813265.0/36

All: 32.709+/-0.004 χ^2/NDF: 20881878.4/74

- sign 30.468+/-0.005 χ^2/NDF: 11694324.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.9/20

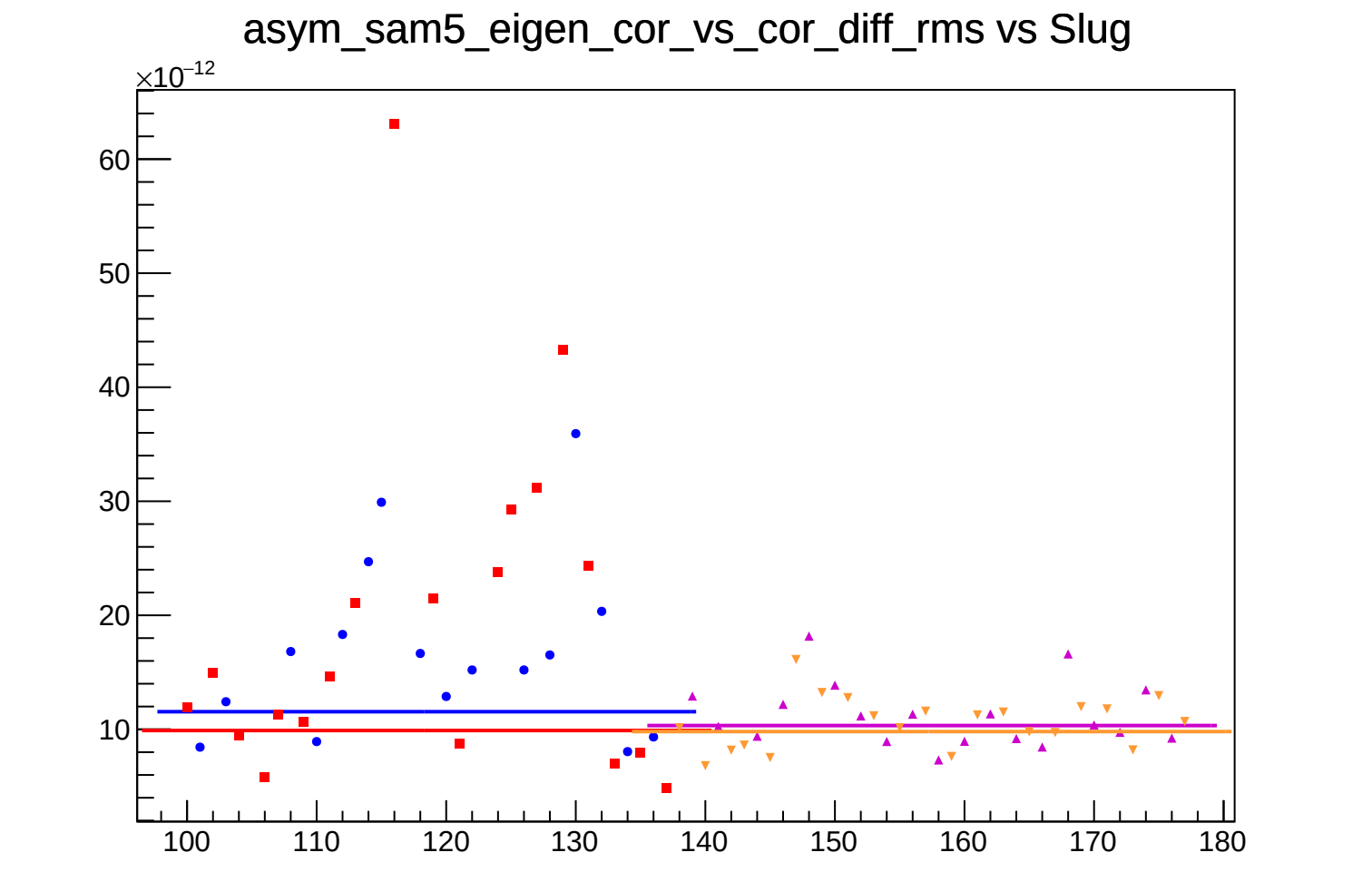
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.6/18

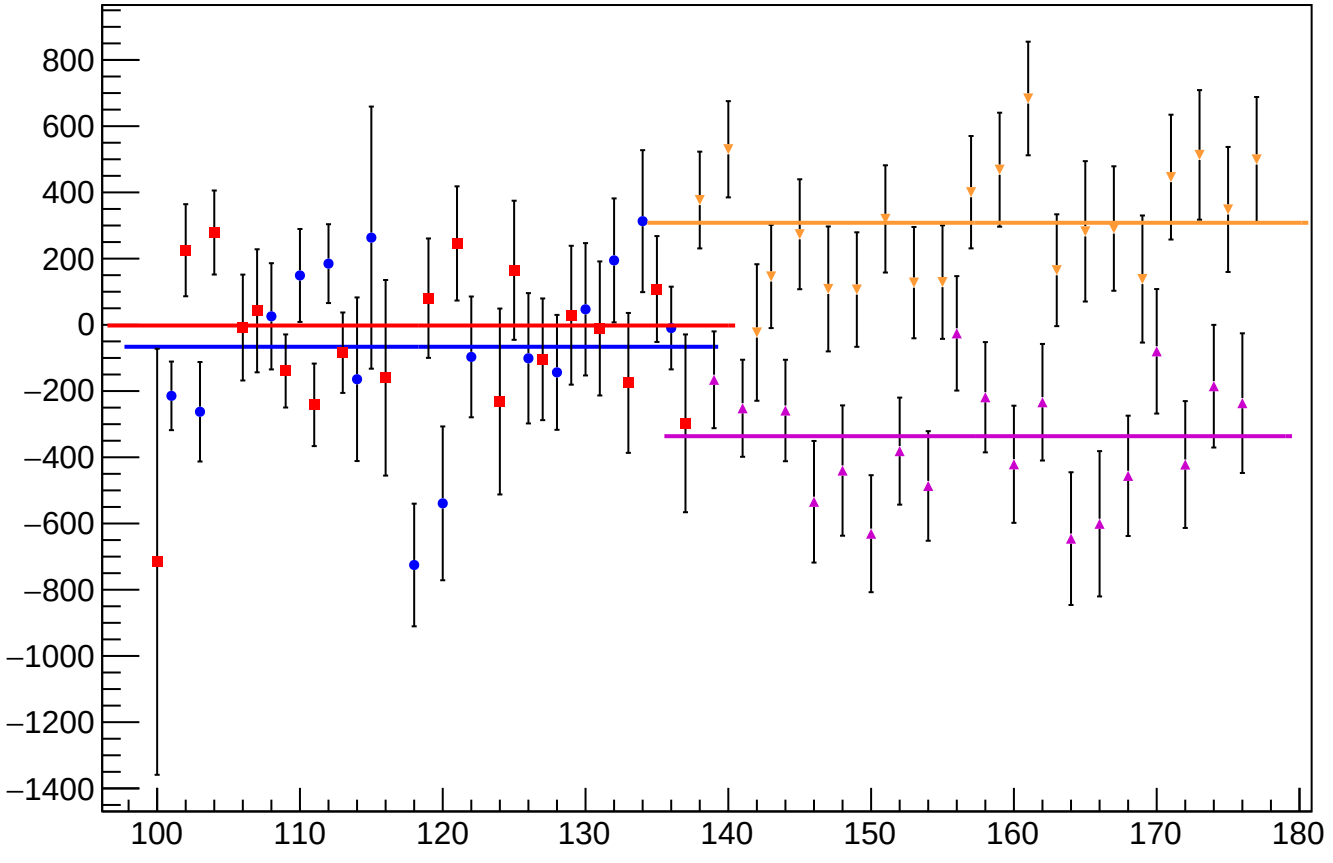
+ sign 0.000+/-0.000 χ^2/NDF: 38.5/36

All: 0.000+/-0.000 χ^2/NDF: 81.3/74

- sign 0.000+/-0.000 χ^2/NDF: 42.8/37


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:1065159.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:1003237.8/18
+ sign 0.000+/-0.000 χ²/NDF: 2389223.9/36
All: 0.000+/-0.000 χ²/NDF: 6038597.5/74
- sign 0.000+/-0.000 χ²/NDF: 3649093.8/37

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 308.240+/-38.075 χ^2/NDF:21.2/20

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

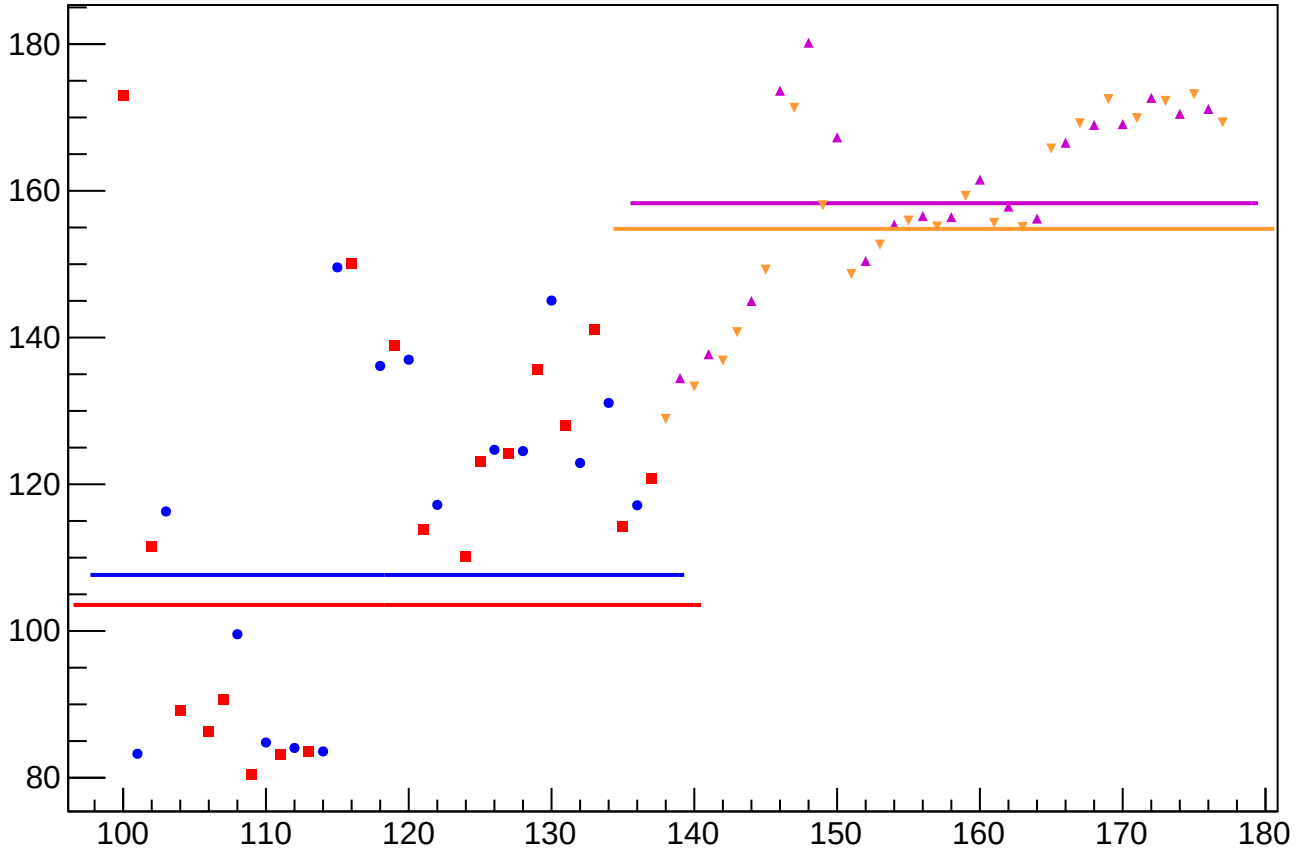
Left In: -336.296+/-40.318 χ^2/NDF:18.6/18

+ sign 134.553+/-27.880 χ^2/NDF: 100.4/36

All: -13.698+/-19.750 χ^2/NDF: 232.5/74

- sign -163.032+/-27.982 χ^2/NDF: 75.3/37

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 154.811+/-0.027 χ^2/NDF:254441.8/20

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

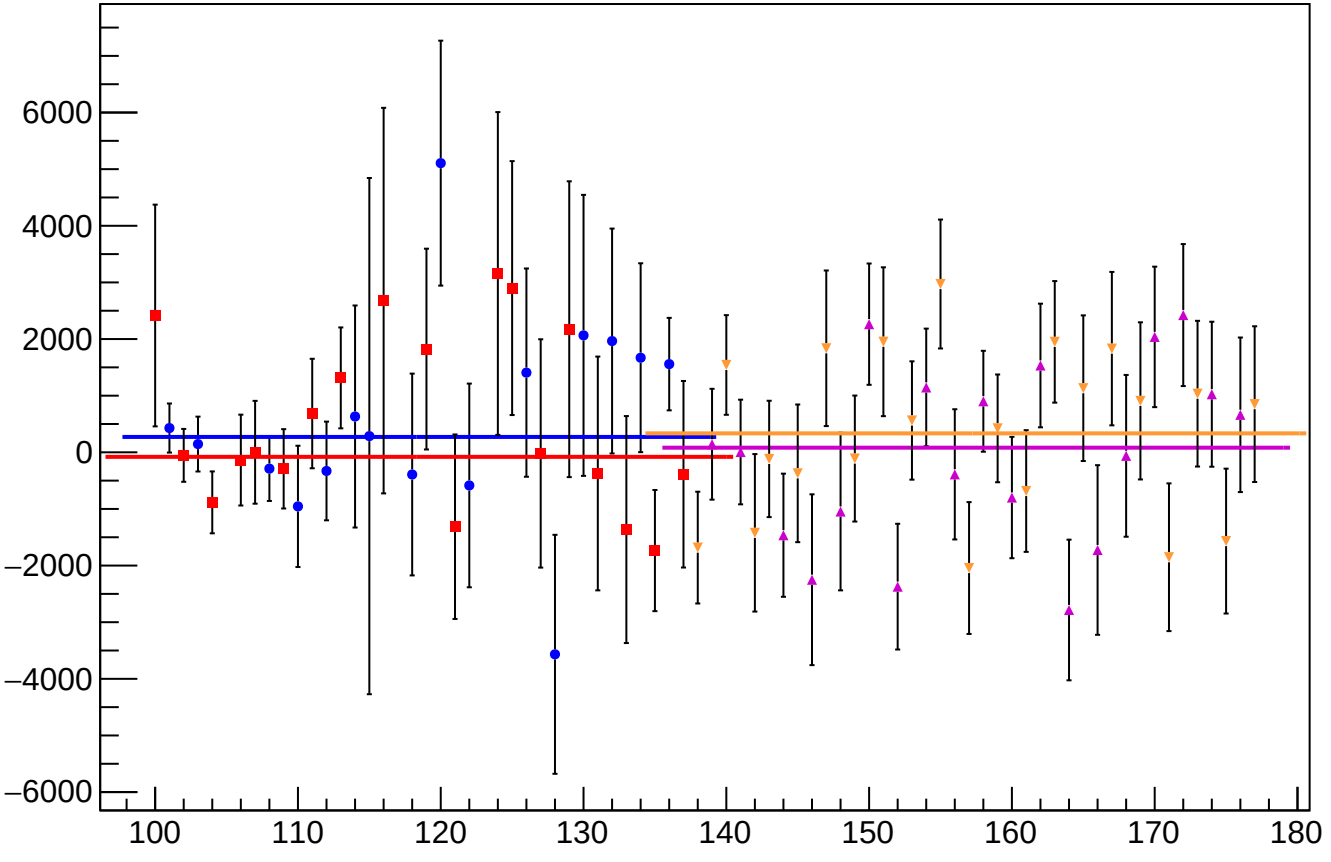
Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

+ sign 132.934+/-0.020 χ^2/NDF: 2210864.9/36

All: 131.437+/-0.014 χ^2/NDF: 4954441.2/74

- sign 129.929+/-0.020 χ^2/NDF: 2731996.7/37

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 334.535+/-252.833 χ^2/NDF:31.1/20

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

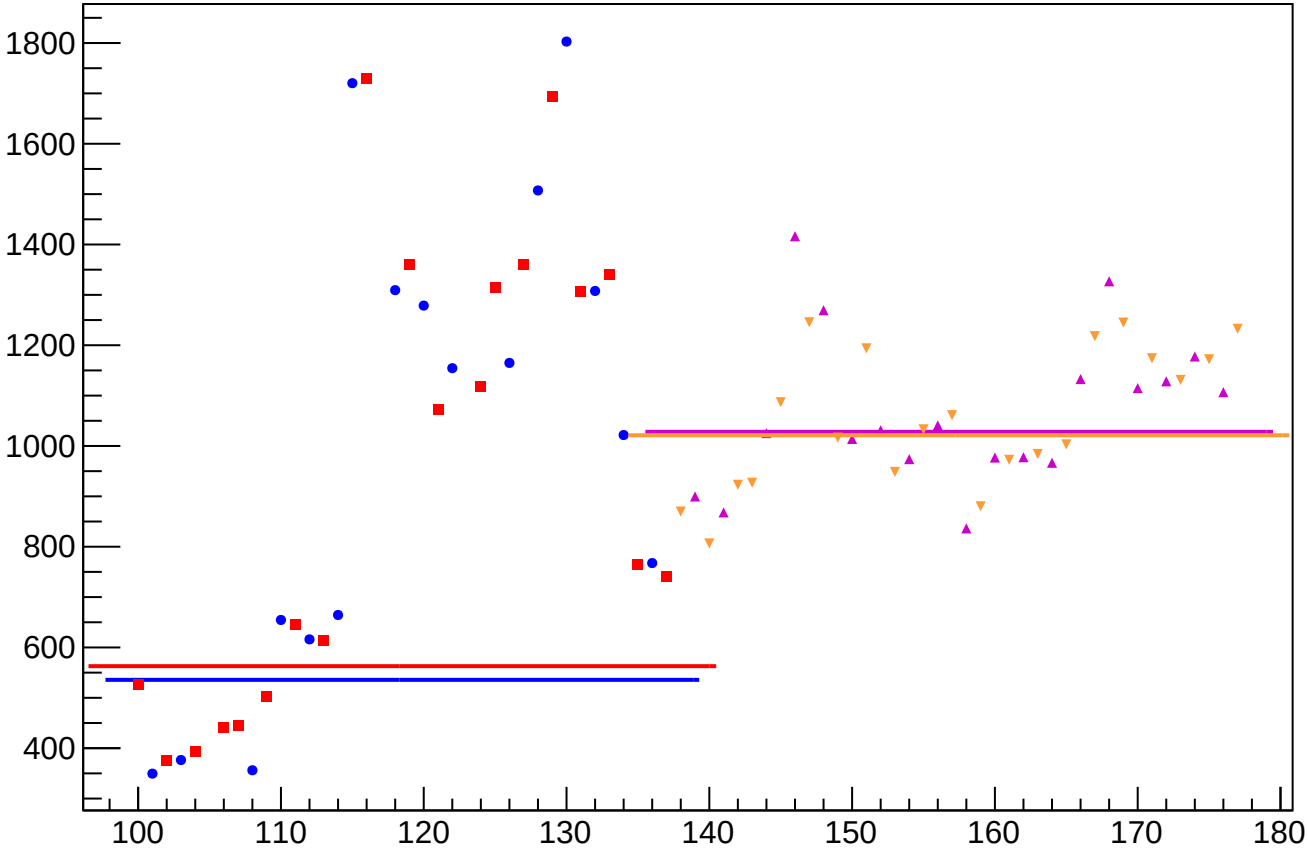
Left In: 81.617+/-263.776 χ^2/NDF:32.1/18

+ sign 300.136+/-170.403 χ^2/NDF: 47.6/36

All: 148.788+/-121.838 χ^2/NDF: 97.5/74

- sign -9.508+/-174.271 χ^2/NDF: 48.3/37

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1021.287+/-0.179 χ^2/NDF:561235.9/20

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

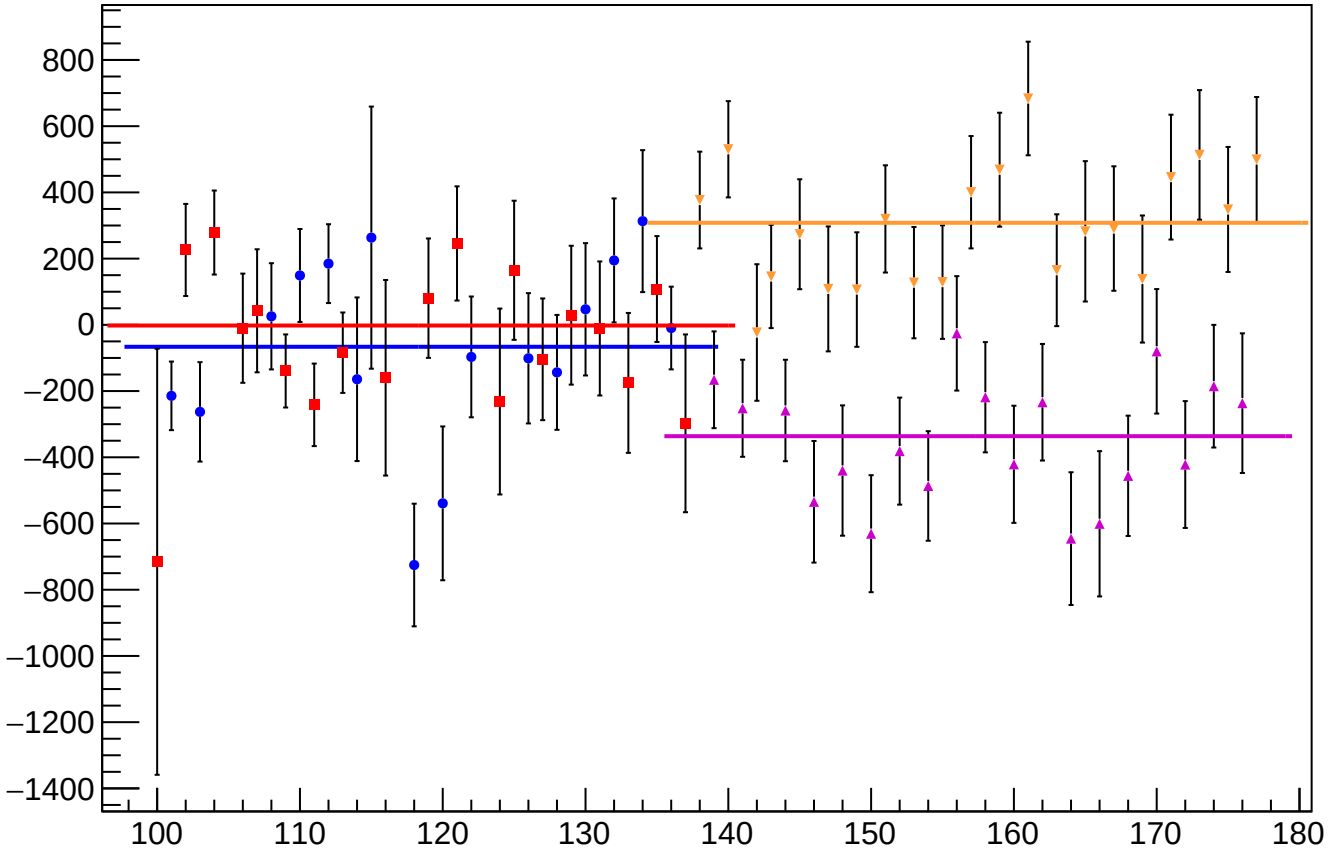
Left In: 1028.117+/-0.187 χ^2/NDF:553416.7/18

+ sign 756.265+/-0.120 χ^2/NDF: 8220121.7/36

All: 760.991+/-0.086 χ^2/NDF: 15394181.0/74

- sign 765.934+/-0.123 χ^2/NDF: 7170911.8/37

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 308.237+/-38.075 χ^2/NDF:21.2/20

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

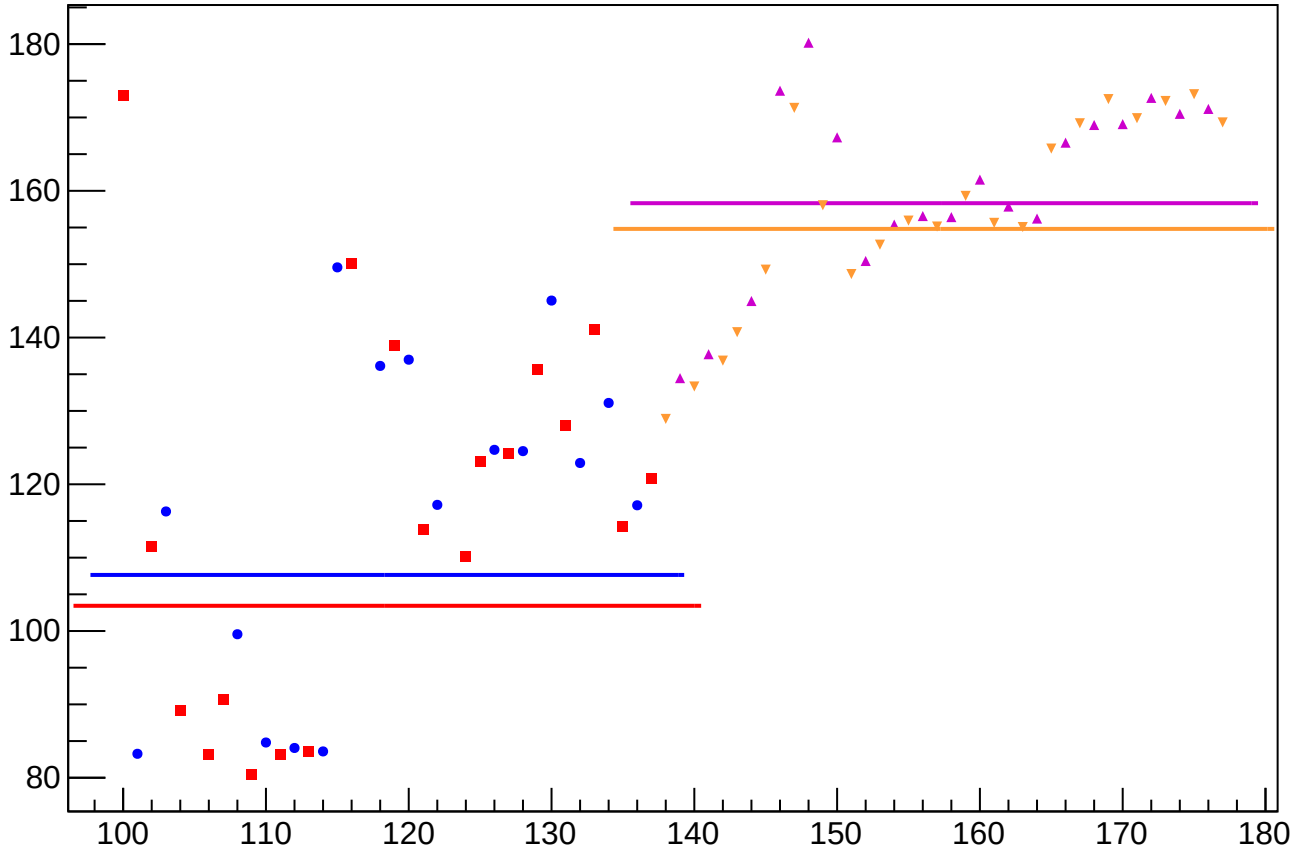
Left In: -336.302+/-40.318 χ^2/NDF:18.6/18

+ sign 134.539+/-27.880 χ^2/NDF: 100.5/36

All: -13.728+/-19.759 χ^2/NDF: 232.6/74

- sign -163.359+/-28.008 χ^2/NDF: 75.3/37

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.811+/-0.027 χ^2/NDF:254441.8/20

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

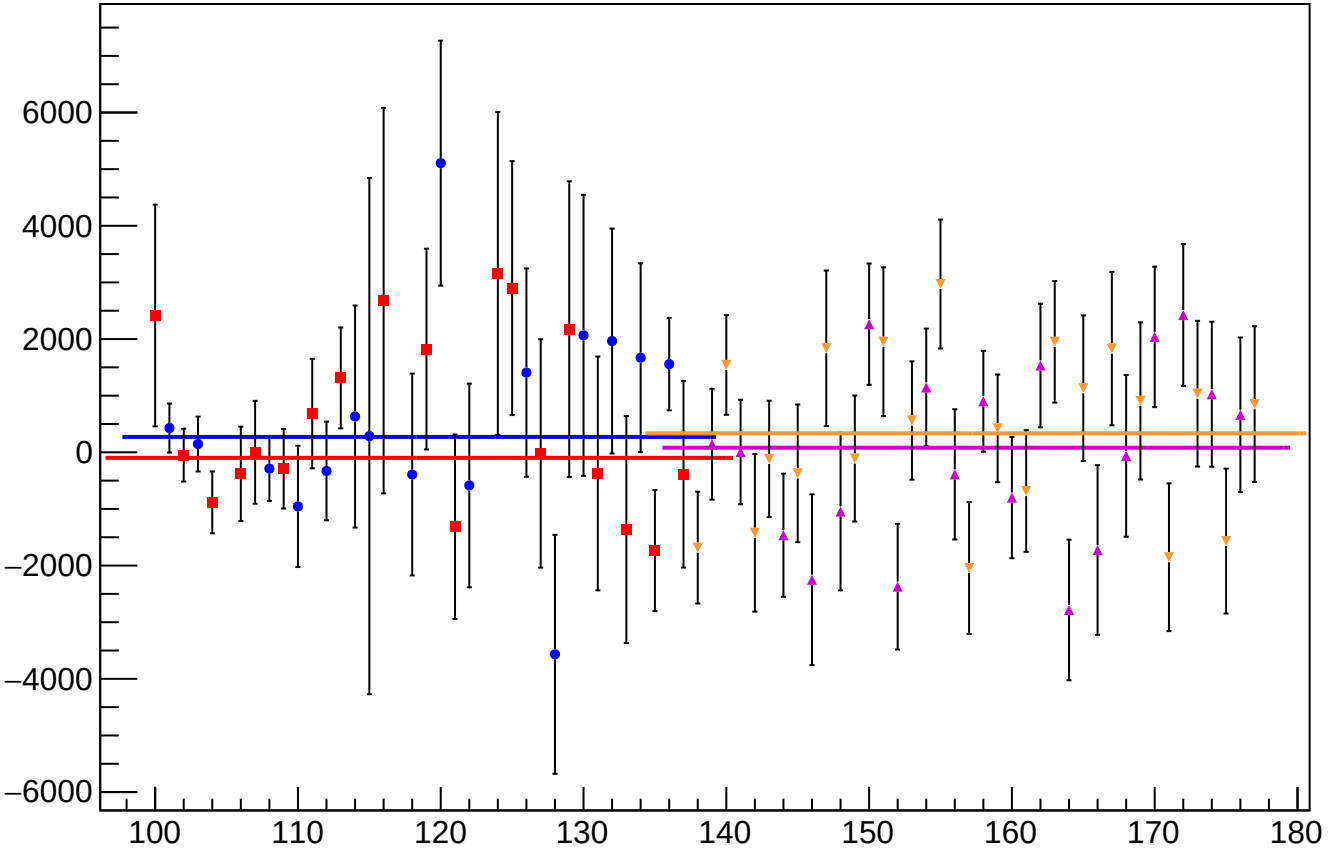
Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

\+ sign 132.934+/-0.020 χ^2/NDF: 2210862.4/36

All: 131.434+/-0.014 χ^2/NDF: 4966398.9/74

\- sign 129.920+/-0.020 χ^2/NDF: 2743900.6/37

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 334.540+/-252.833 χ^2/NDF:31.1/20

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

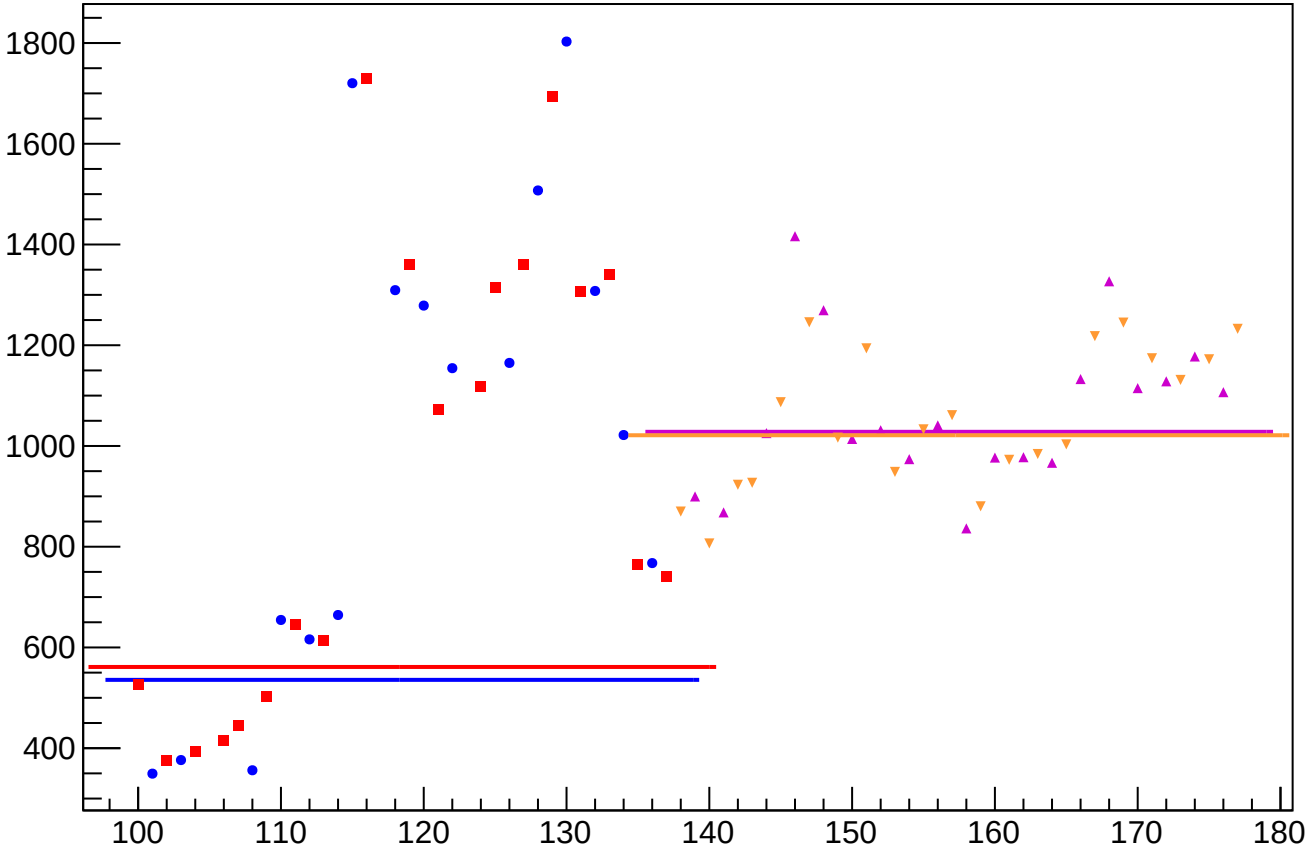
Left In: 81.616+/-263.776 χ^2/NDF:32.1/18

+ sign 300.214+/-170.400 χ^2/NDF: 47.6/36

All: 144.300+/-121.927 χ^2/NDF: 97.8/74

- sign -19.274+/-174.536 χ^2/NDF: 48.5/37

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1021.288+/-0.179 χ^2/NDF:561234.7/20

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

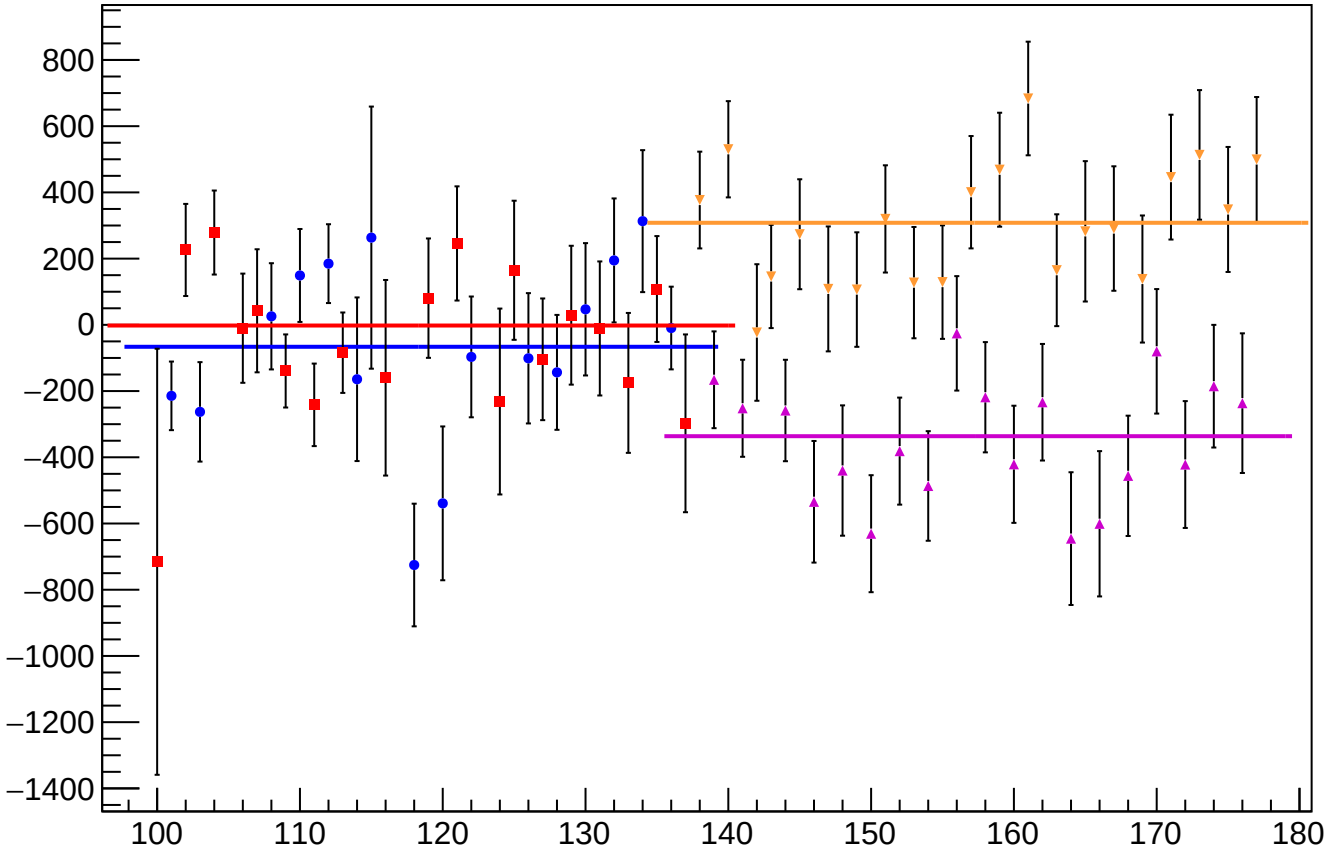
Left In: 1028.117+/-0.187 χ^2/NDF:553414.3/18

+ sign 756.245+/-0.120 χ^2/NDF: 8220797.4/36

All: 760.843+/-0.086 χ^2/NDF: 15429893.8/74

- sign 765.666+/-0.123 χ^2/NDF: 7206113.6/37

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 308.237+/-38.075 χ^2/NDF:21.2/20

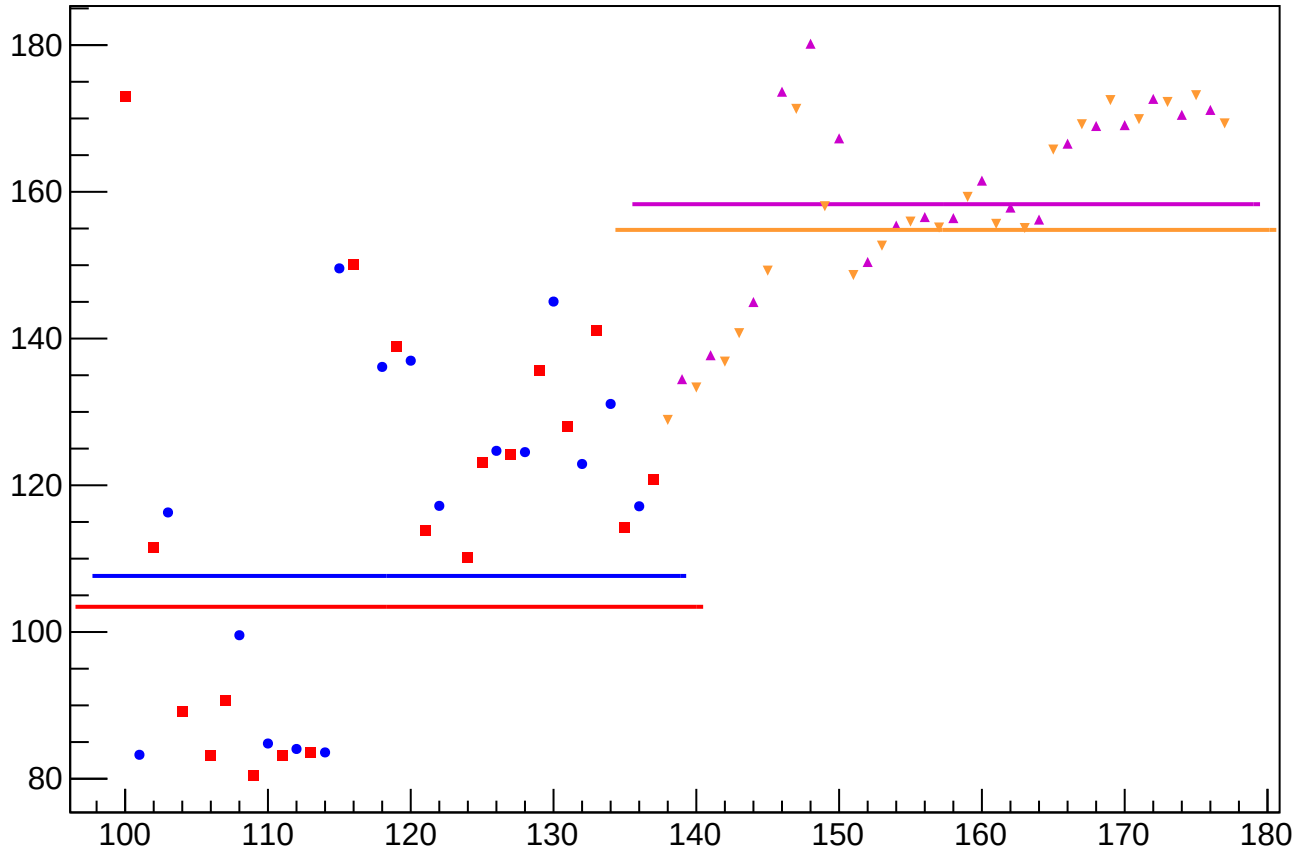
Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: -336.302+/-40.318 χ^2/NDF:18.6/18

+ sign 134.539+/-27.880 χ^2/NDF: 100.5/36

All: -13.728+/-19.759 χ^2/NDF: 232.6/74

- sign -163.359+/-28.008 χ^2/NDF: 75.3/37



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.811+/-0.027 χ^2/NDF:254441.8/20

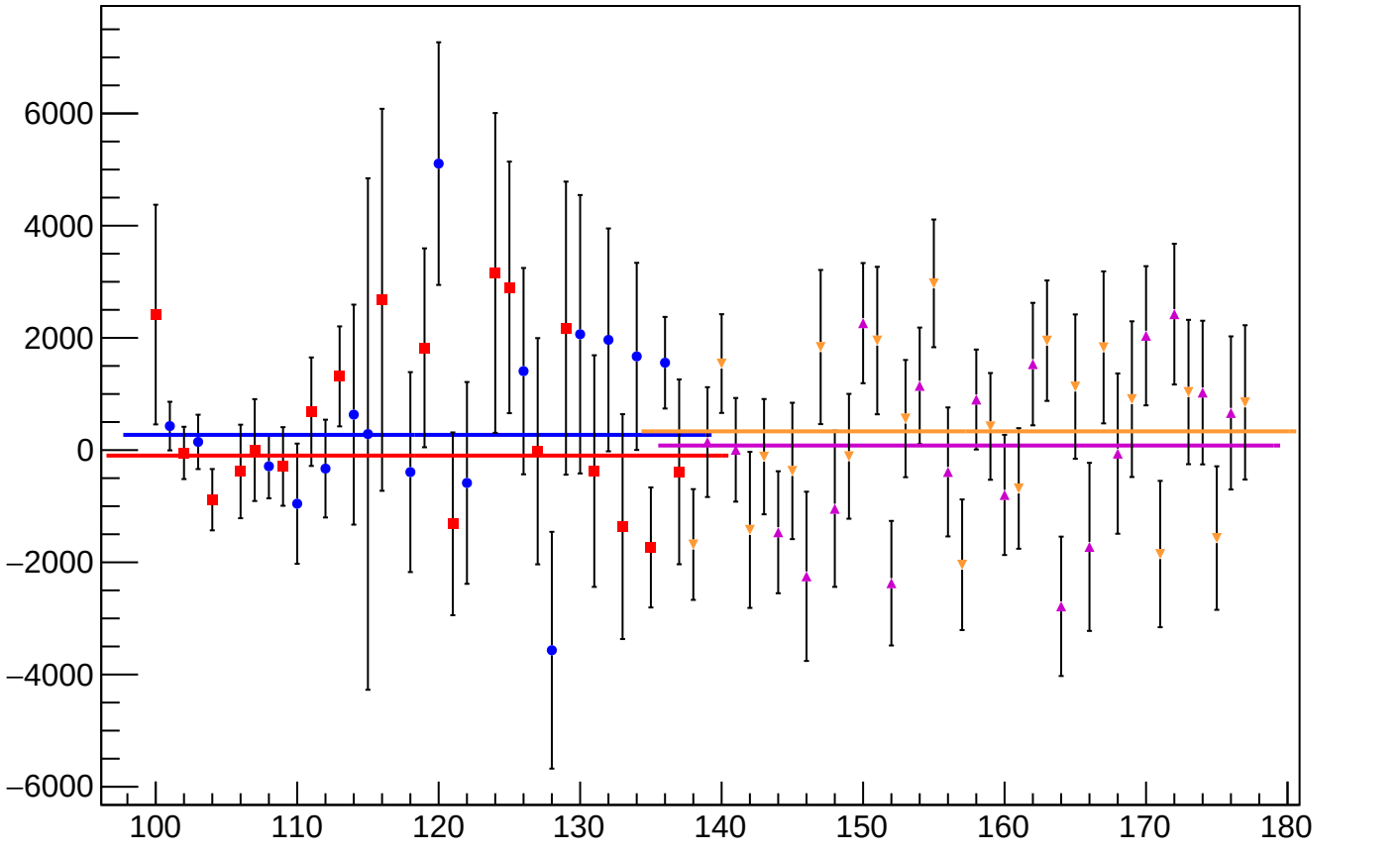
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

+ sign 132.934+/-0.020 χ^2/NDF: 2210862.4/36

All: 131.434+/-0.014 χ^2/NDF: 4966398.9/74

- sign 129.920+/-0.020 χ^2/NDF: 2743900.6/37



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 334.540+/-252.833 χ^2/NDF:31.1/20

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

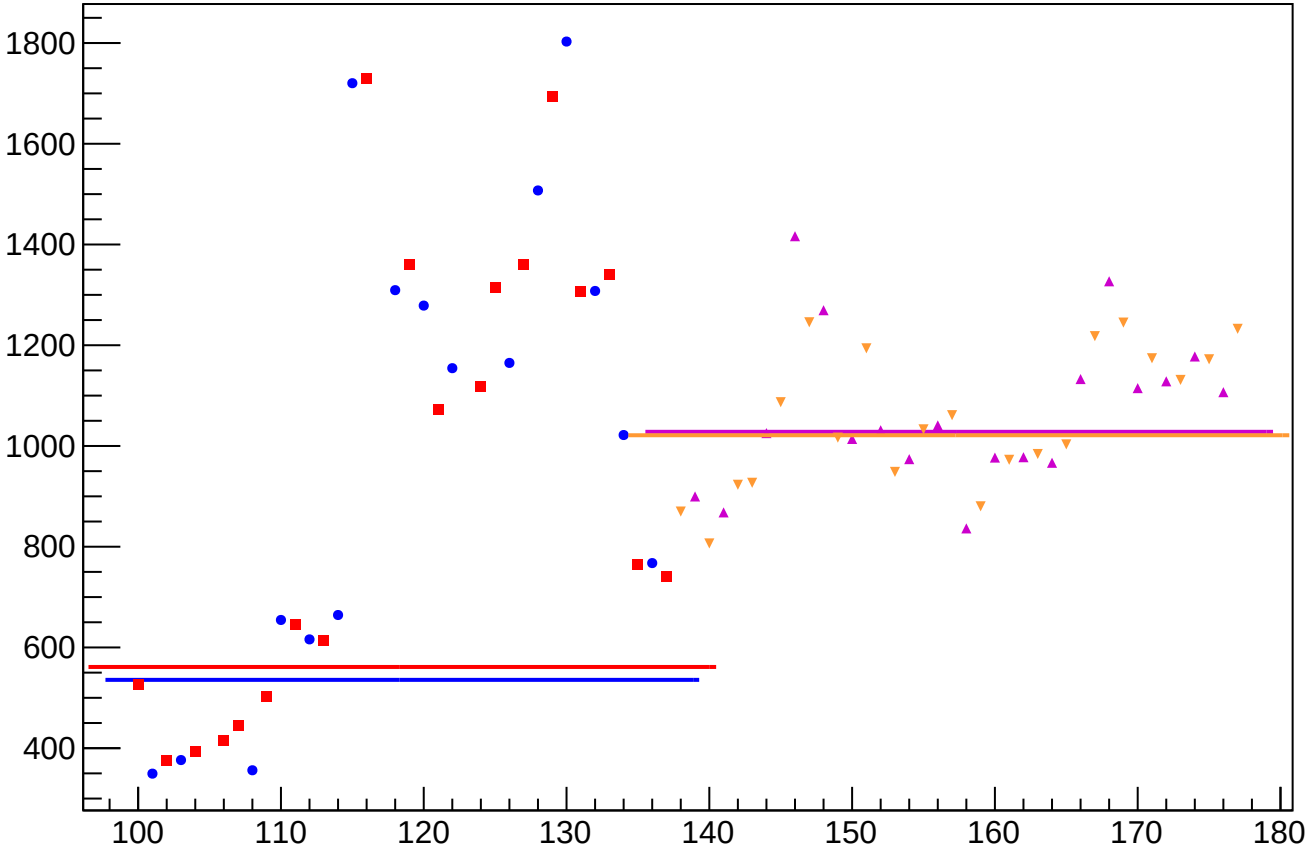
Left In: 81.616+/-263.776 χ^2/NDF:32.1/18

+ sign 300.214+/-170.400 χ^2/NDF: 47.6/36

All: 144.300+/-121.927 χ^2/NDF: 97.8/74

- sign -19.274+/-174.536 χ^2/NDF: 48.5/37

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1021.288+/-0.179 χ^2/NDF:561234.7/20

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

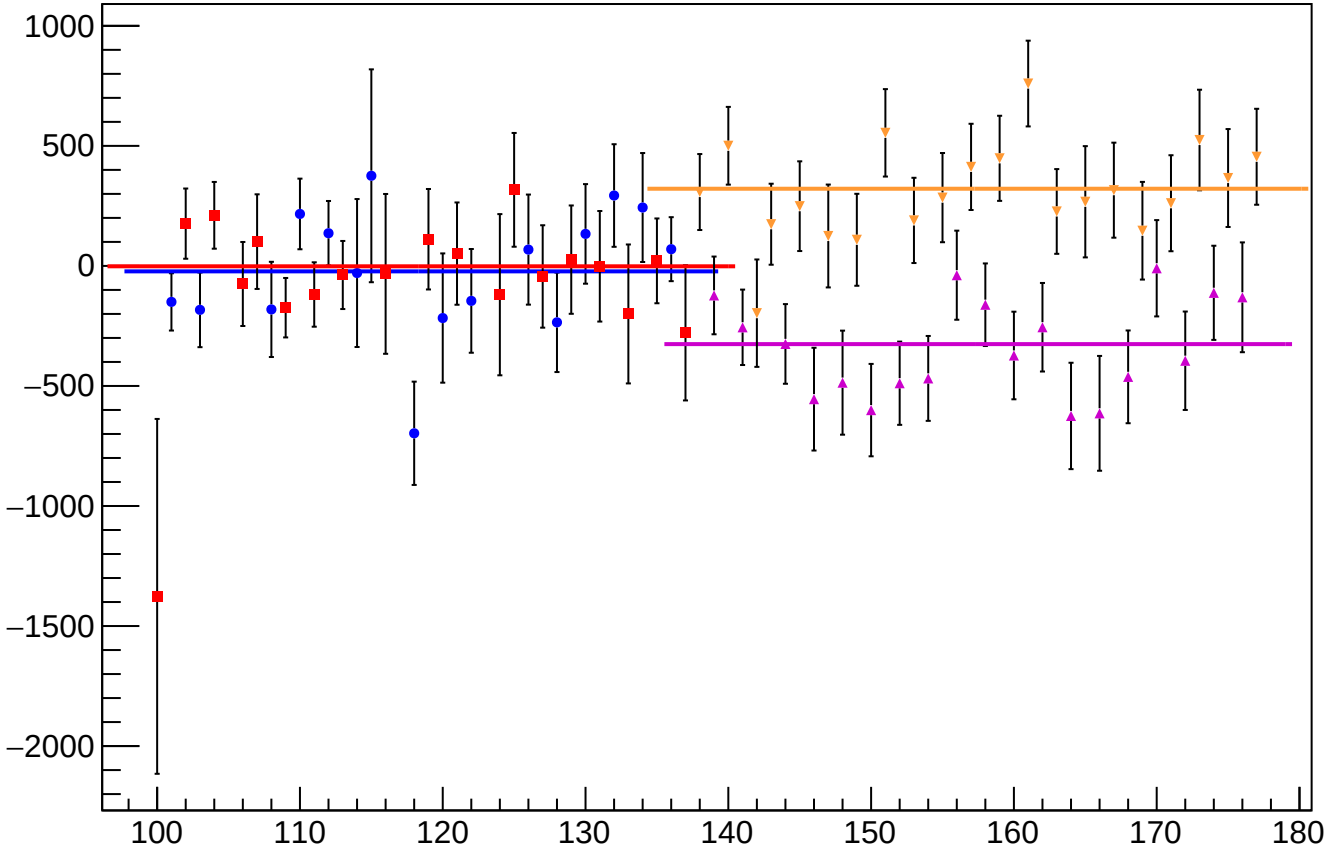
Left In: 1028.117+/-0.187 χ^2/NDF:553414.3/18

+ sign 756.245+/-0.120 χ^2/NDF: 8220797.4/36

All: 760.843+/-0.086 χ^2/NDF: 15429893.8/74

- sign 765.666+/-0.123 χ^2/NDF: 7206113.6/37

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 321.509+/-41.057 χ^2/NDF:21.2/20

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

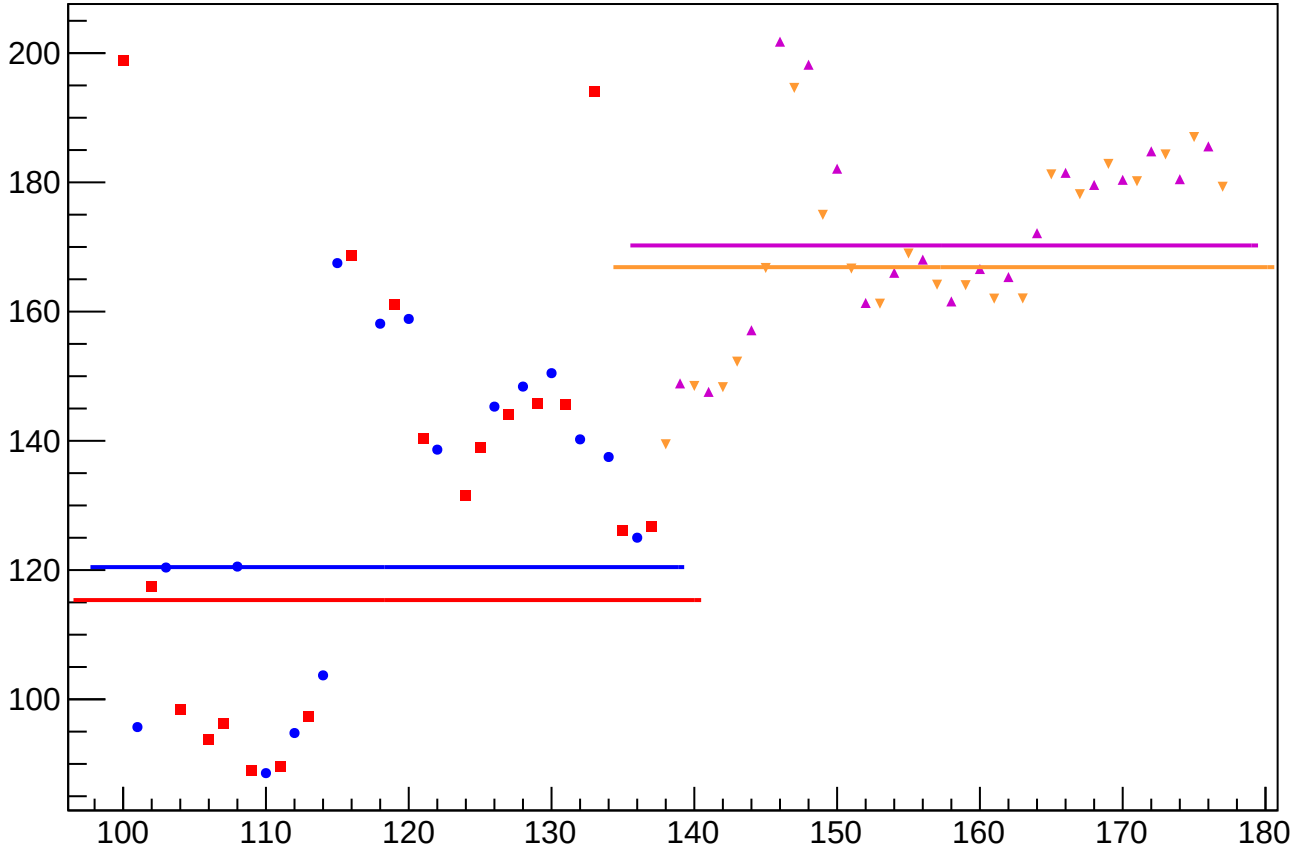
Left In: -325.723+/-43.391 χ^2/NDF:18.8/18

+ sign 168.557+/-30.604 χ^2/NDF: 76.6/36

All: 2.881+/-21.689 χ^2/NDF: 196.4/74

- sign -164.304+/-30.743 χ^2/NDF: 60.9/37

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 166.878+/-0.029 χ^2/NDF:234453.0/20

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

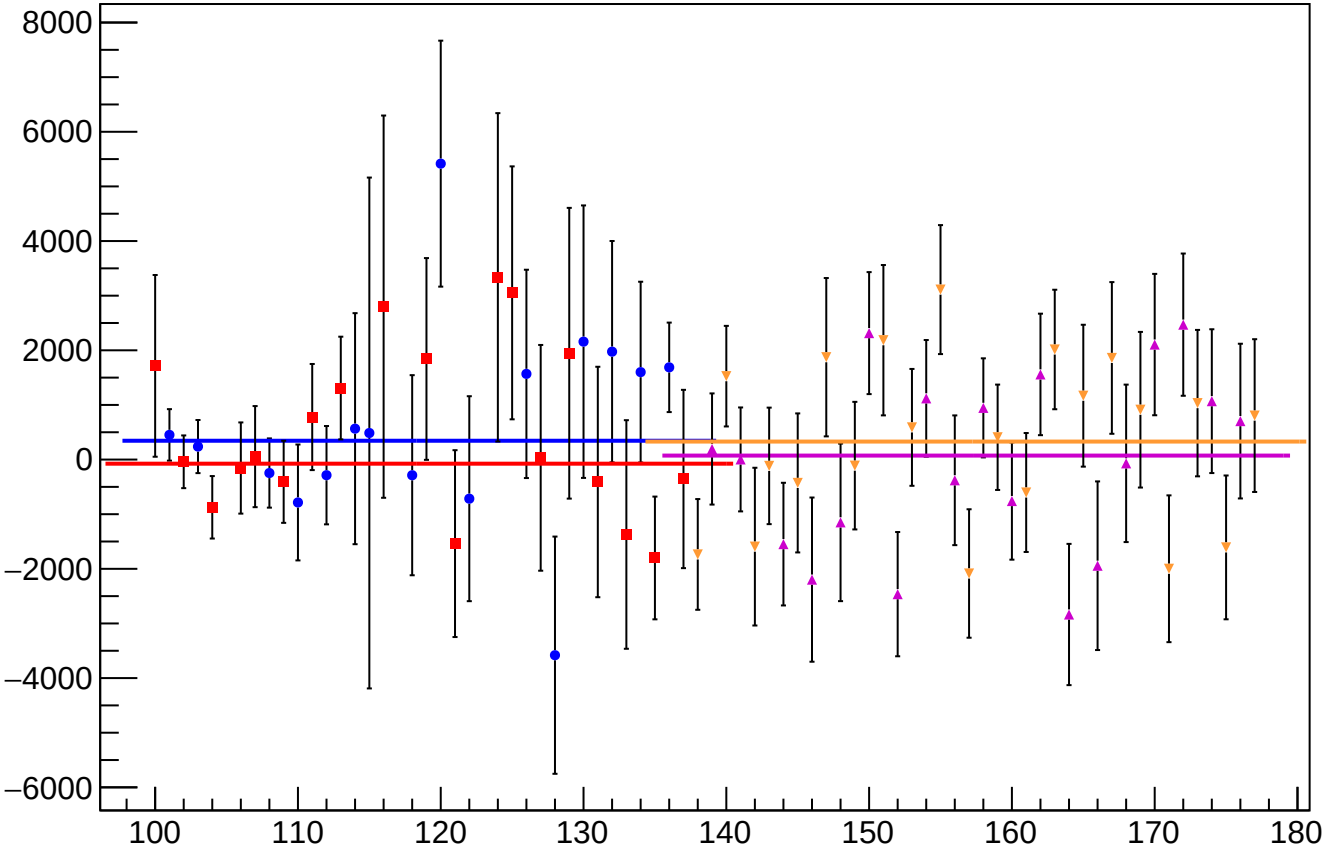
Left In: 170.236+/-0.031 χ^2/NDF:226211.4/18

+ sign 146.250+/-0.022 χ^2/NDF: 1900893.8/36

All: 144.585+/-0.015 χ^2/NDF: 4499529.6/74

- sign 142.905+/-0.022 χ^2/NDF: 2586749.3/37

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 329.499+/-260.448 χ^2/NDF:31.6/20

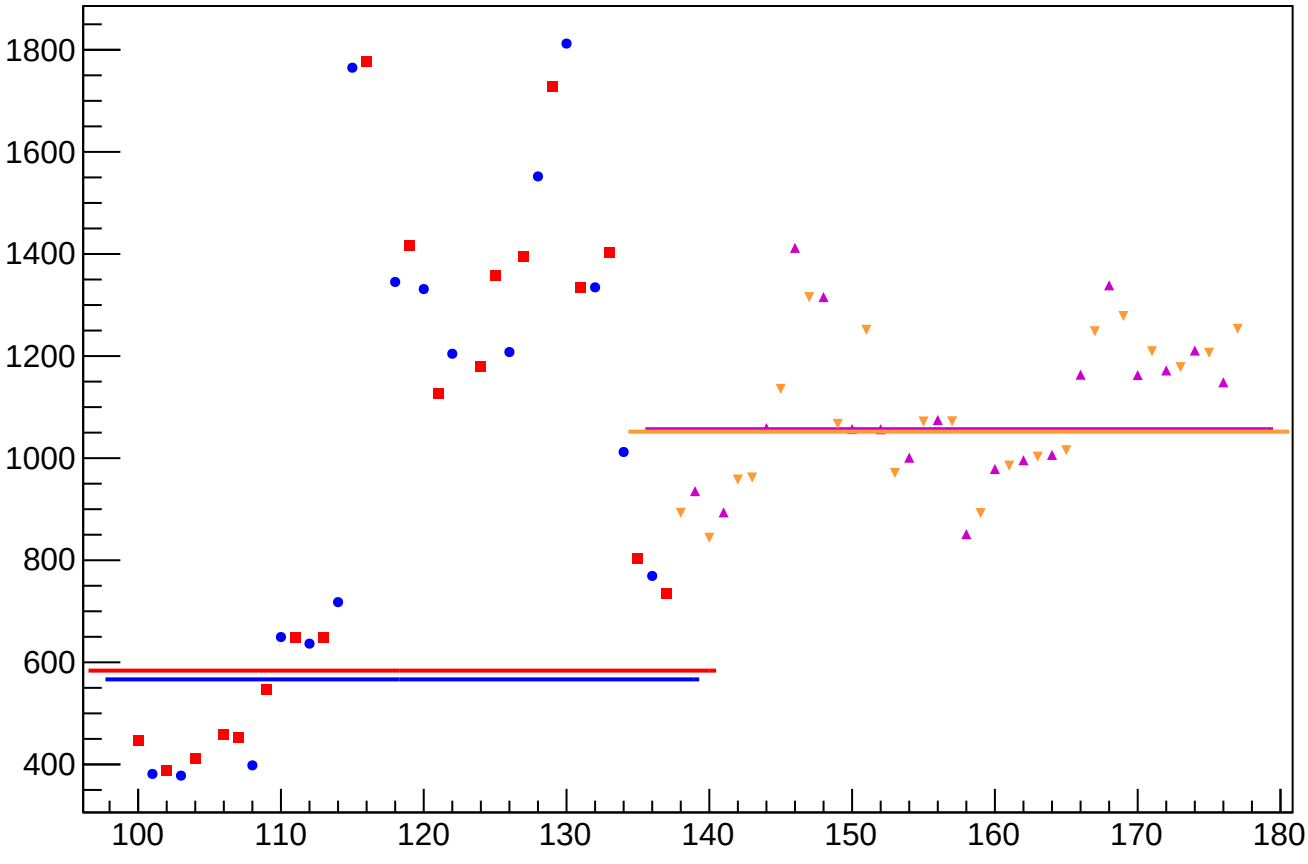
Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 72.836+/-271.102 χ^2/NDF:31.9/18

+ sign 337.530+/-177.099 χ^2/NDF: 47.8/36

All: 166.423+/-126.207 χ^2/NDF: 97.1/74

- sign -10.143+/-179.901 χ^2/NDF: 47.4/37



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1051.932+/-0.184 χ^2/NDF:576679.4/20

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

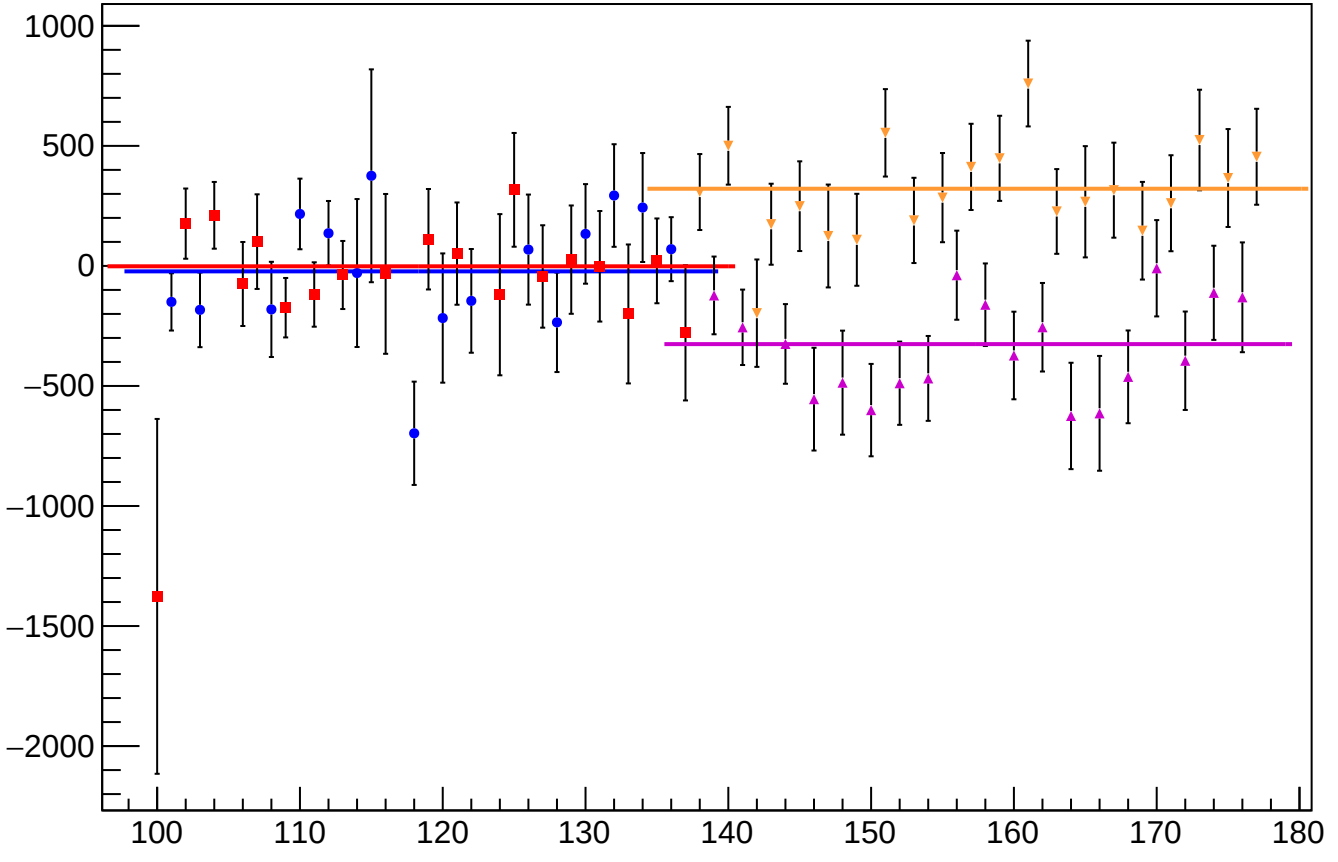
Left In: 1056.766+/-0.192 χ^2/NDF:542586.0/18

+ sign 791.005+/-0.125 χ^2/NDF: 7742847.1/36

All: 791.528+/-0.089 χ^2/NDF: 14799787.4/74

- sign 792.069+/-0.127 χ^2/NDF: 7056904.8/37

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 321.510+/-41.057 χ^2/NDF:21.2/20

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

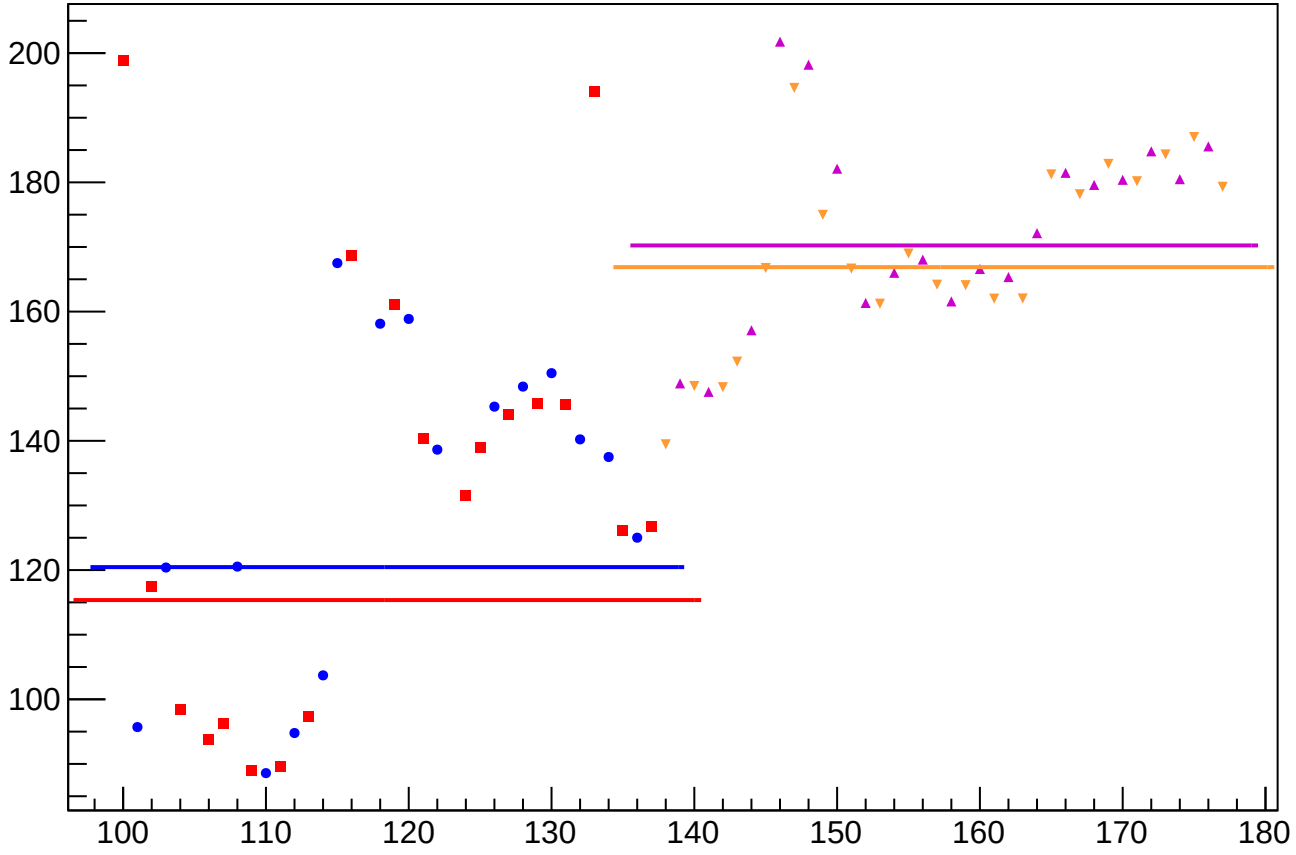
Left In: -325.724+/-43.390 χ^2/NDF:18.8/18

+ sign 168.557+/-30.603 χ^2/NDF: 76.6/36

All: 2.880+/-21.689 χ^2/NDF: 196.4/74

- sign -164.305+/-30.743 χ^2/NDF: 60.9/37

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 166.877+/-0.029 χ^2/NDF:234453.1/20

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

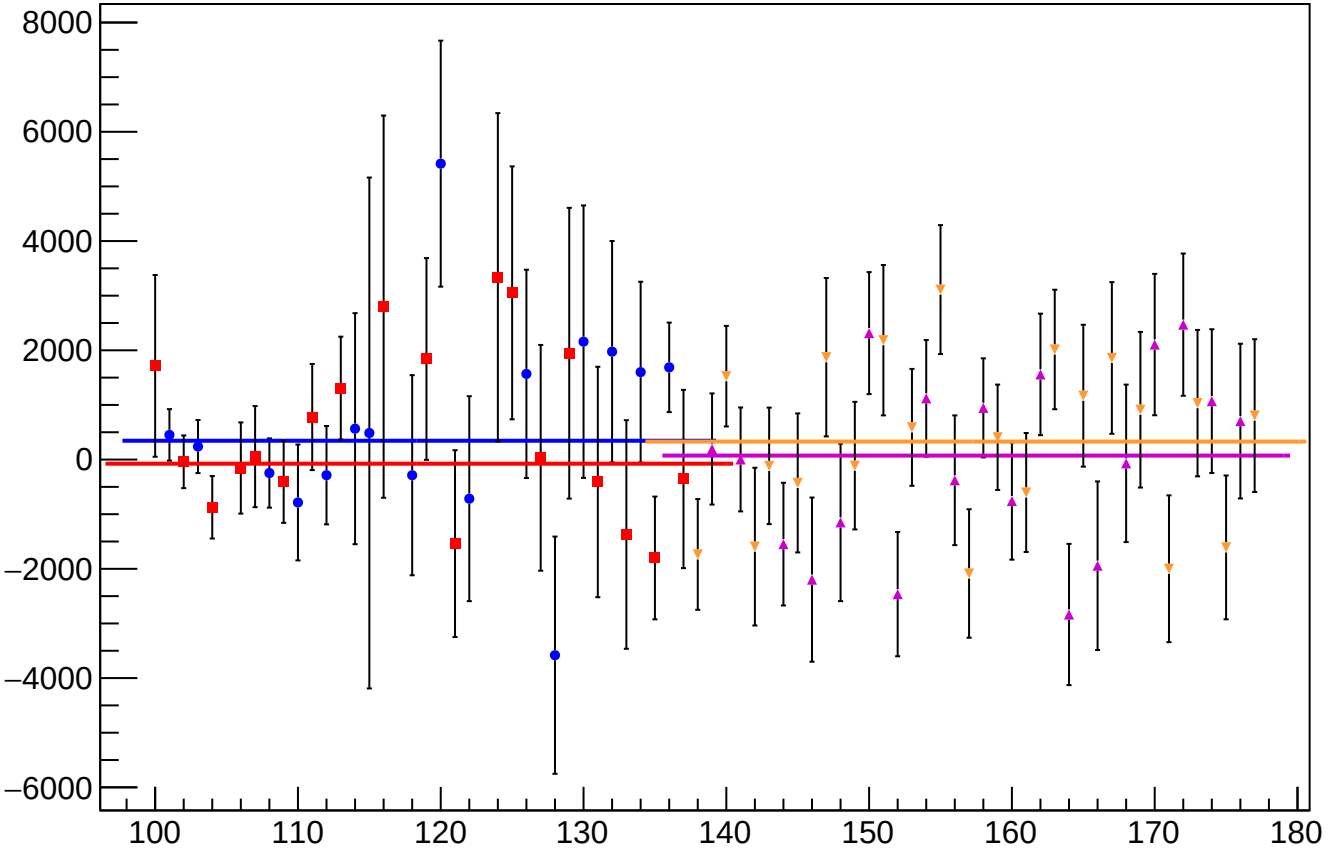
Left In: 170.236+/-0.031 χ^2/NDF:226211.9/18

+ sign 146.249+/-0.022 χ^2/NDF: 1900904.2/36

All: 144.585+/-0.015 χ^2/NDF: 4499544.3/74

- sign 142.905+/-0.022 χ^2/NDF: 2586753.9/37

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 329.500+/-260.448 χ^2/NDF:31.6/20

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

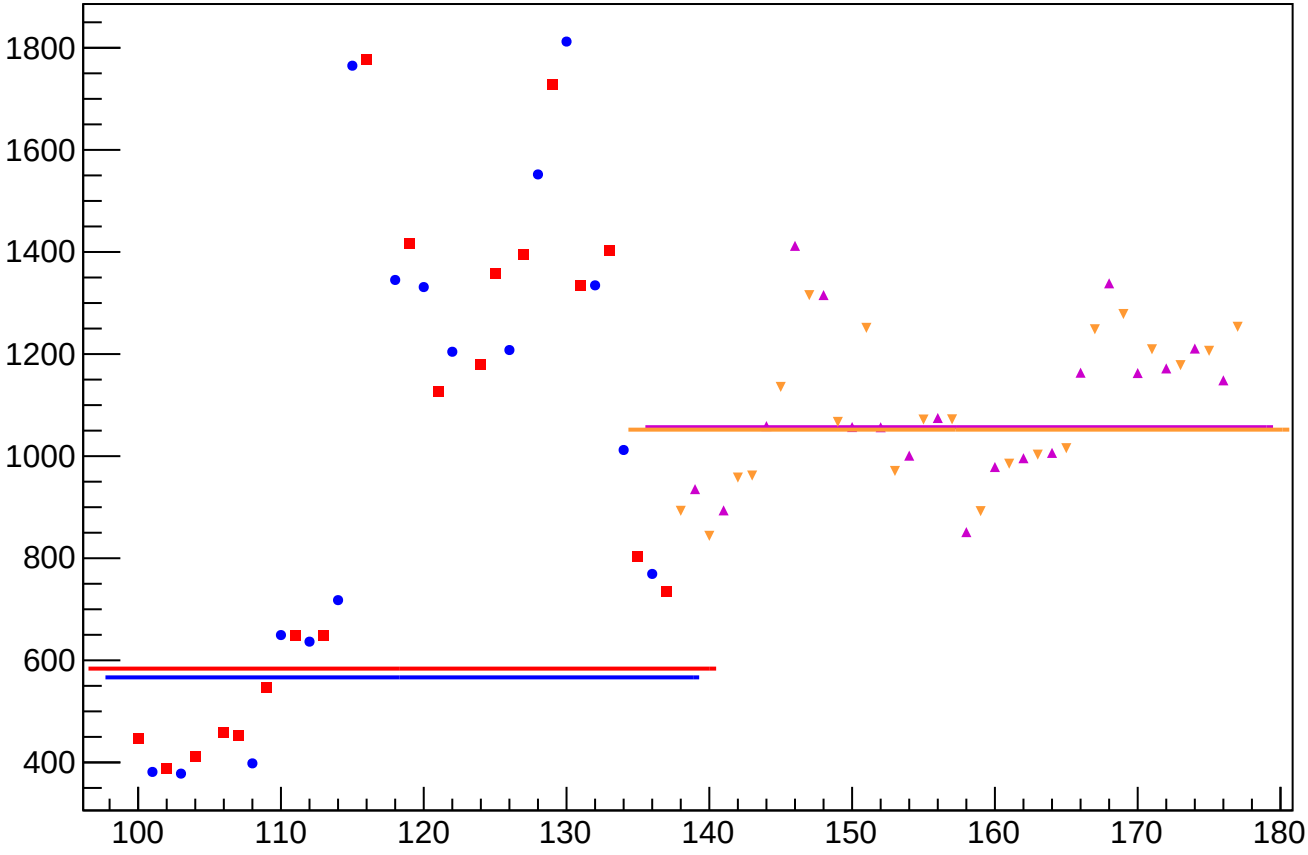
Left In: 72.836+/-271.102 χ^2/NDF:31.9/18

+ sign 337.530+/-177.099 χ^2/NDF: 47.8/36

All: 166.422+/-126.207 χ^2/NDF: 97.1/74

- sign -10.144+/-179.901 χ^2/NDF: 47.4/37

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1051.932+/-0.184 χ^2/NDF:576684.5/20

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

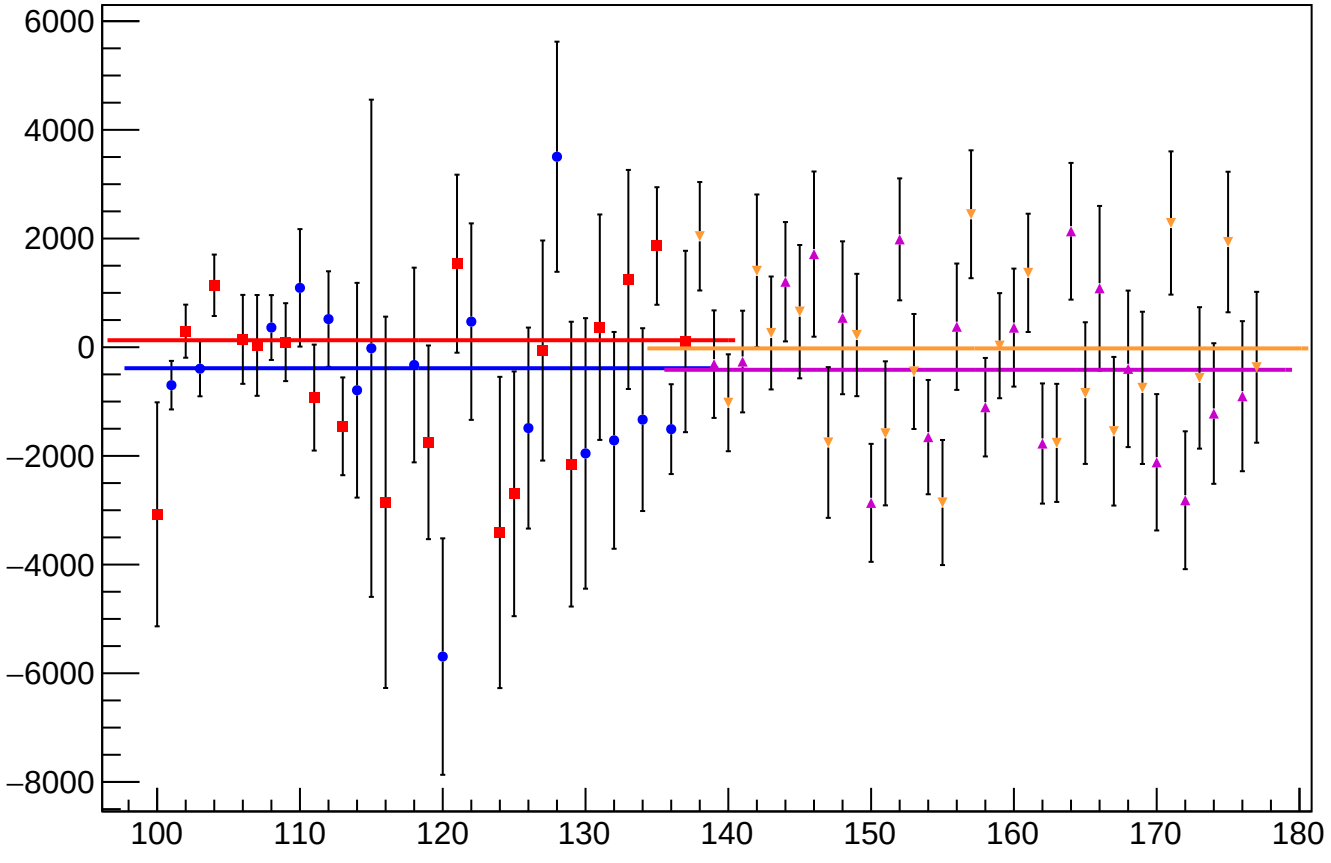
Left In: 1056.766+/-0.192 χ^2/NDF:542589.8/18

+ sign 791.004+/-0.125 χ^2/NDF: 7742873.5/36

All: 791.528+/-0.089 χ^2/NDF: 14799825.8/74

- sign 792.069+/-0.127 χ^2/NDF: 7056916.8/37

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -21.782+/-255.804 χ^2/NDF:32.3/20

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

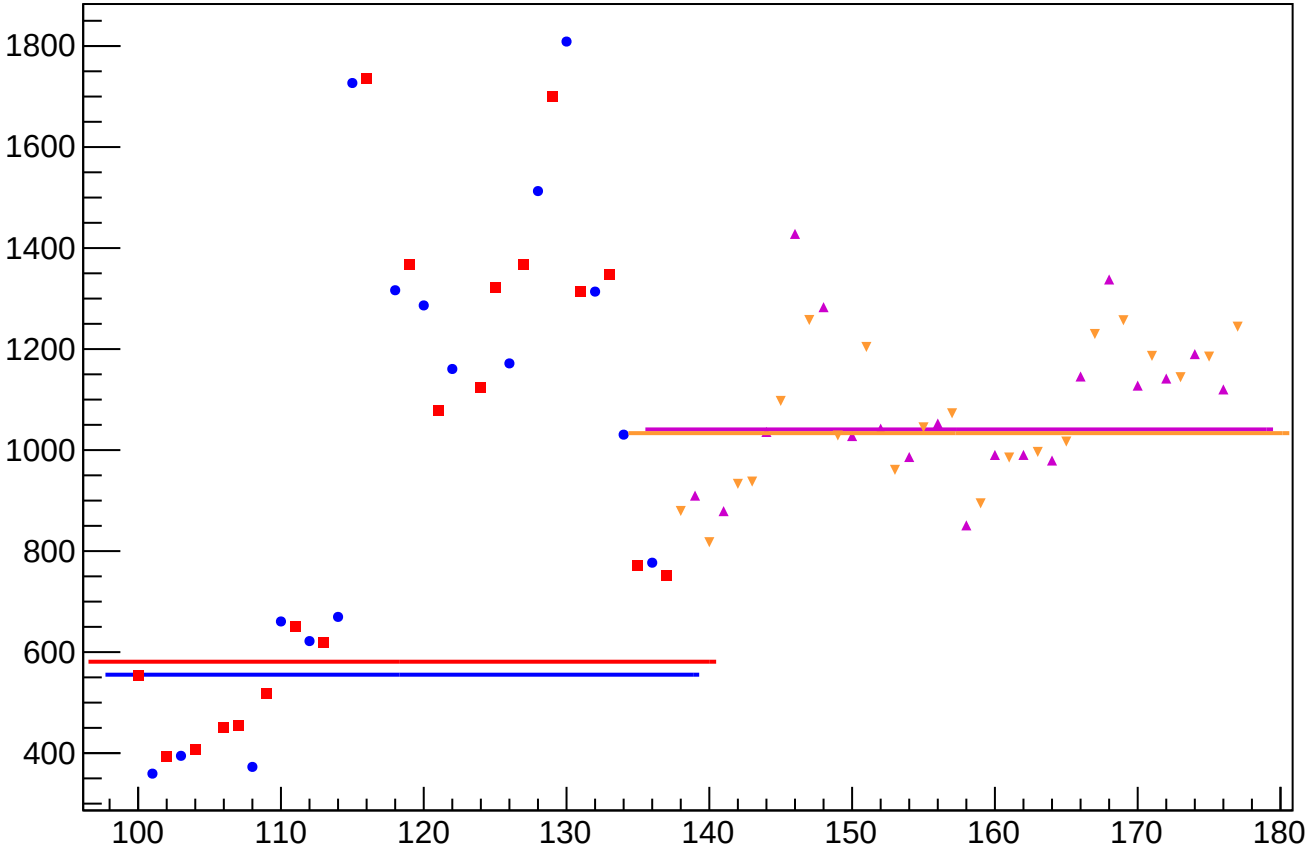
Left In: -415.483+/-266.981 χ^2/NDF:29.8/18

+ sign -217.648+/-174.059 χ^2/NDF: 51.3/36

All: -166.228+/-124.365 χ^2/NDF: 103.0/74

- sign -112.600+/-177.757 χ^2/NDF: 51.5/37

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1033.551+/-0.181 χ^2/NDF:549922.7/20

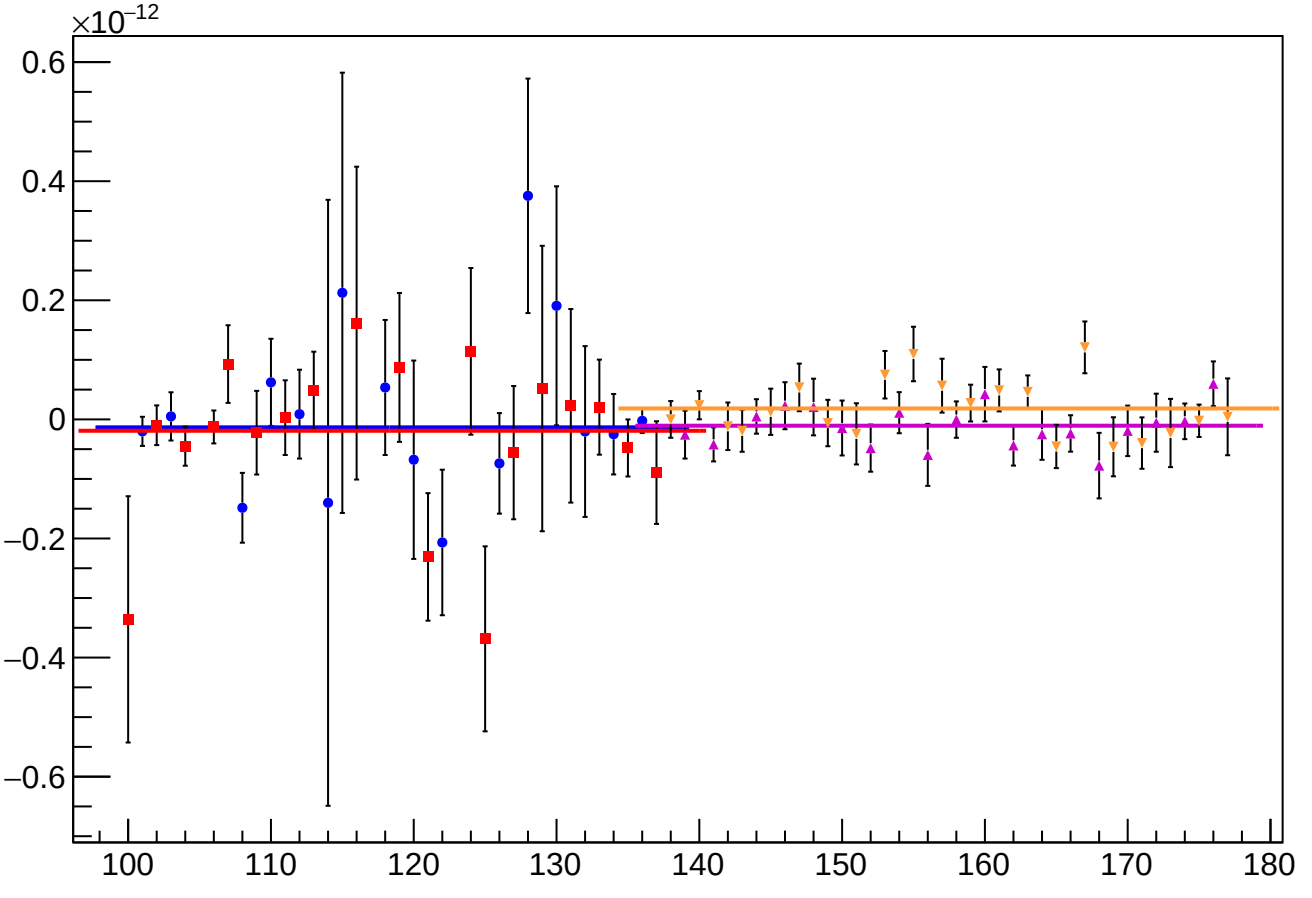
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1040.902+/-0.189 χ^2/NDF:540821.1/18

+ sign 776.724+/-0.123 χ^2/NDF: 7786649.7/36

All: 780.712+/-0.088 χ^2/NDF: 14617104.3/74

- sign 784.871+/-0.126 χ^2/NDF: 6828310.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.9/20

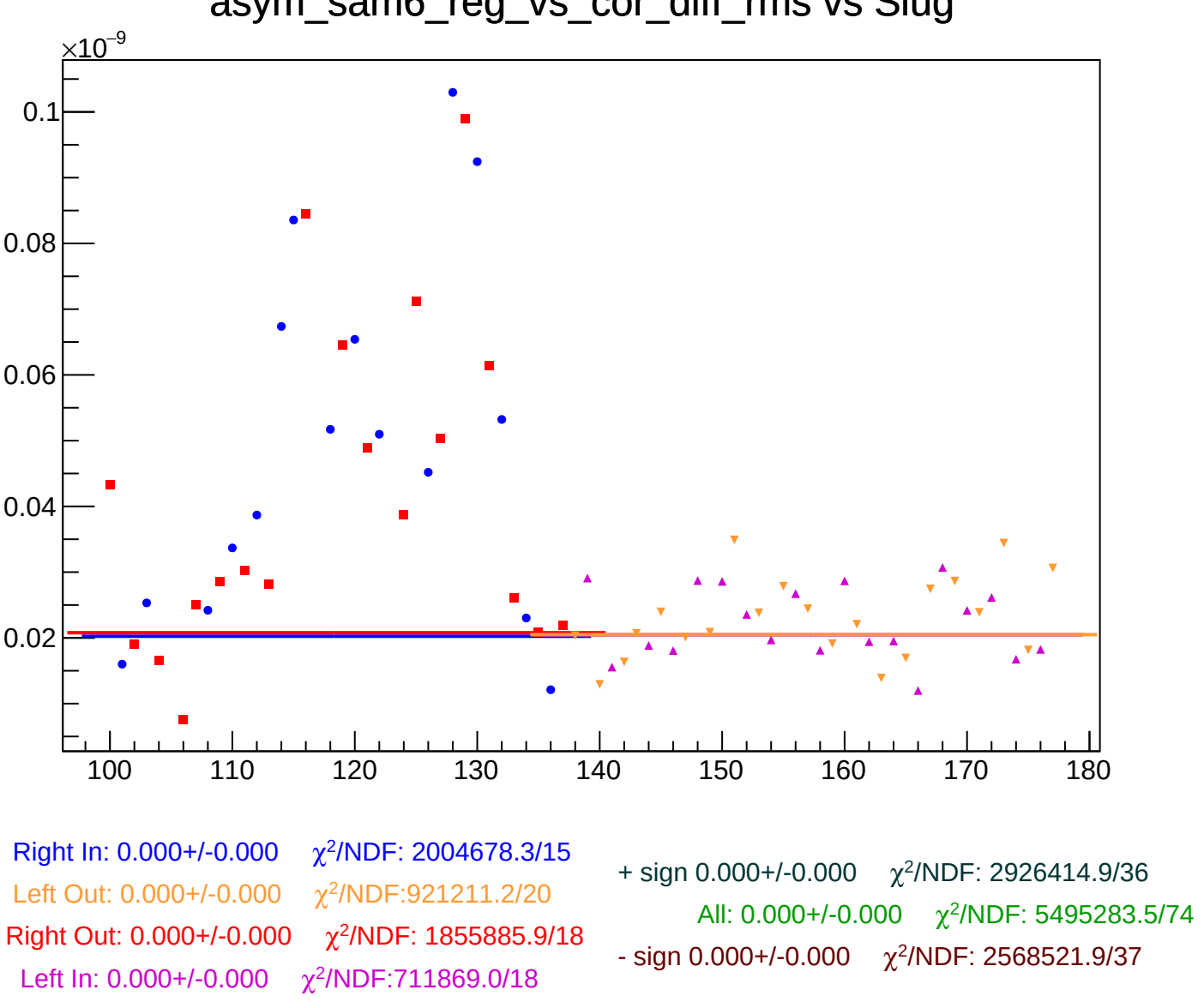
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/18

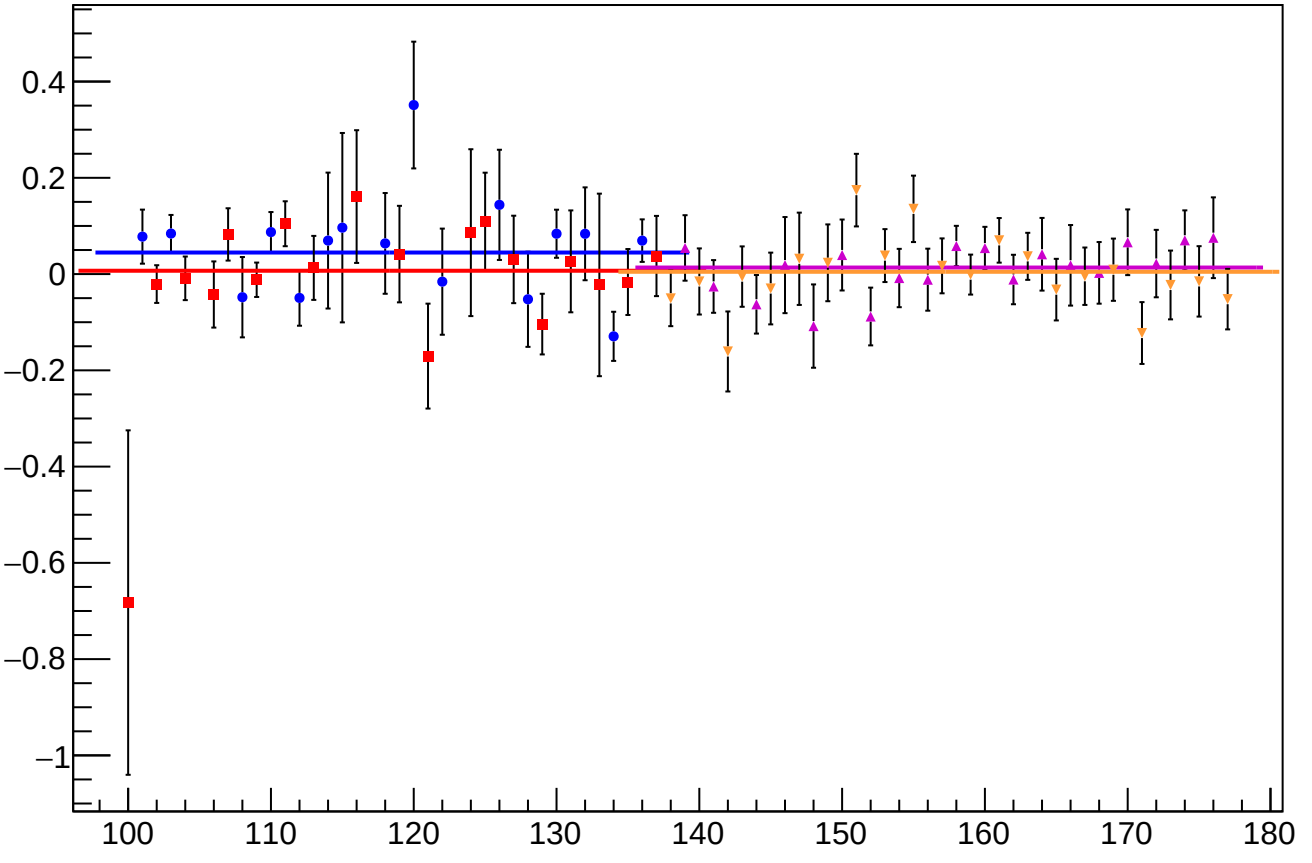
+ sign 0.000+/-0.000 χ^2/NDF: 46.1/36

All: -0.000+/-0.000 χ^2/NDF: 84.1/74

- sign -0.000+/-0.000 χ^2/NDF: 33.0/37


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:921211.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:711869.0/18
+ sign 0.000+/-0.000 χ²/NDF: 2926414.9/36
All: 0.000+/-0.000 χ²/NDF: 5495283.5/74
- sign 0.000+/-0.000 χ²/NDF: 2568521.9/37

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

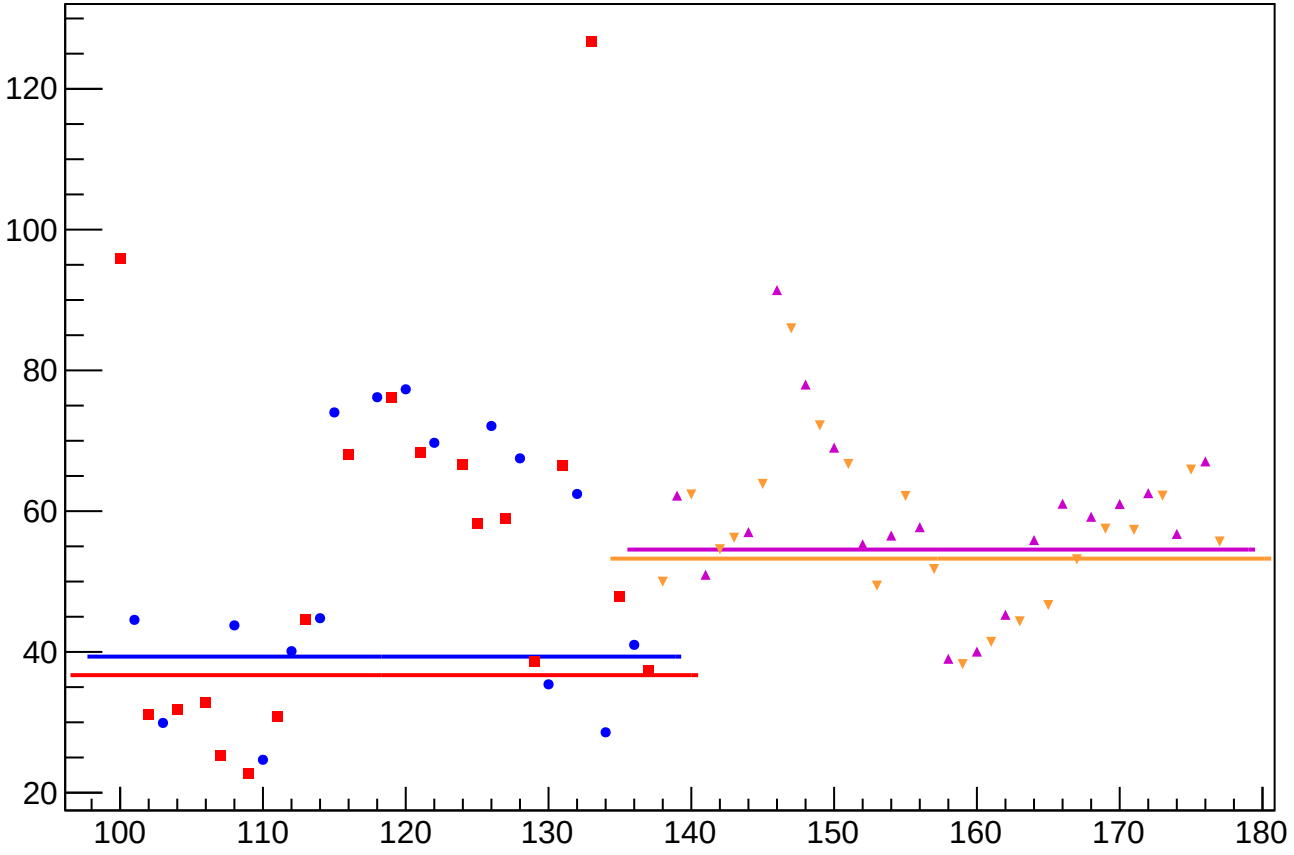
Left In: 0.014+/-0.014 χ^2/NDF:12.1/18

+ sign 0.021+/-0.010 χ^2/NDF: 52.5/36

All: 0.016+/-0.007 χ^2/NDF: 85.3/74

- sign 0.010+/-0.010 χ^2/NDF: 32.3/37

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.257+/-0.010 χ^2/NDF:1130051.5/20

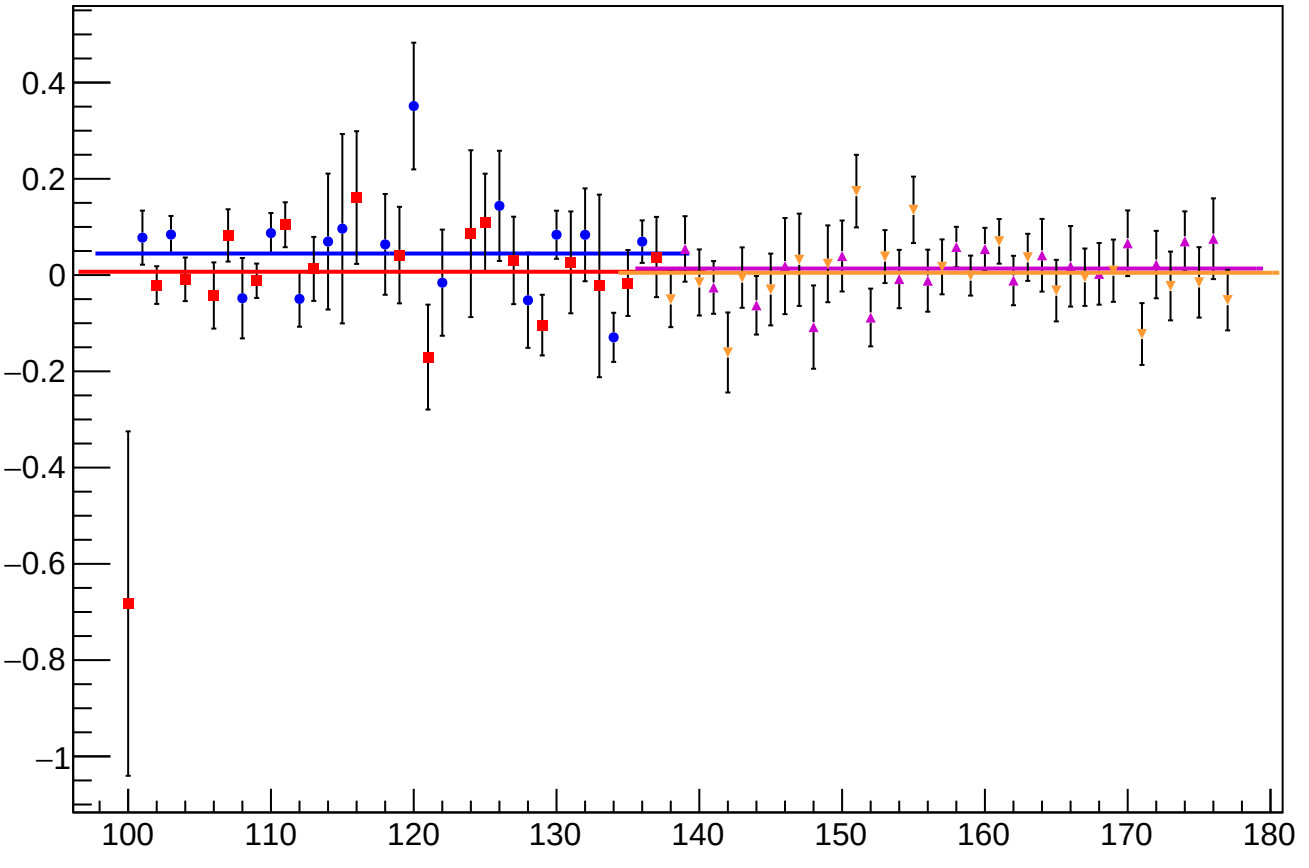
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.544+/-0.010 χ^2/NDF:1212146.8/18

\+ sign 47.477+/-0.007 χ^2/NDF: 3579846.7/36

All: 46.793+/-0.005 χ^2/NDF: 8375471.2/74

\- sign 46.099+/-0.007 χ^2/NDF: 4777918.9/37



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

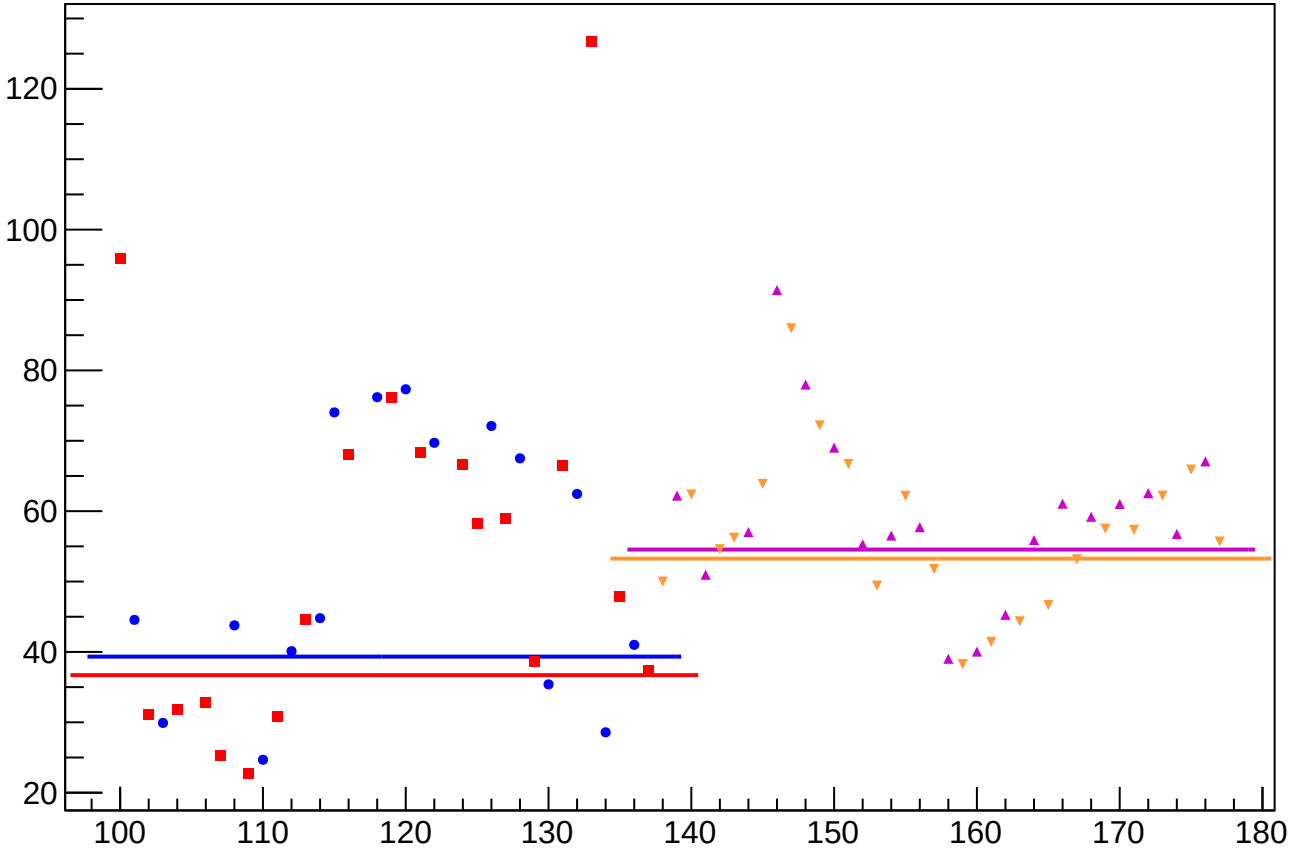
Left In: 0.014+/-0.014 χ^2/NDF:12.1/18

+ sign 0.021+/-0.010 χ^2/NDF: 52.5/36

All: 0.016+/-0.007 χ^2/NDF: 85.3/74

- sign 0.010+/-0.010 χ^2/NDF: 32.3/37

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.257+/-0.010 χ^2/NDF:1130051.5/20

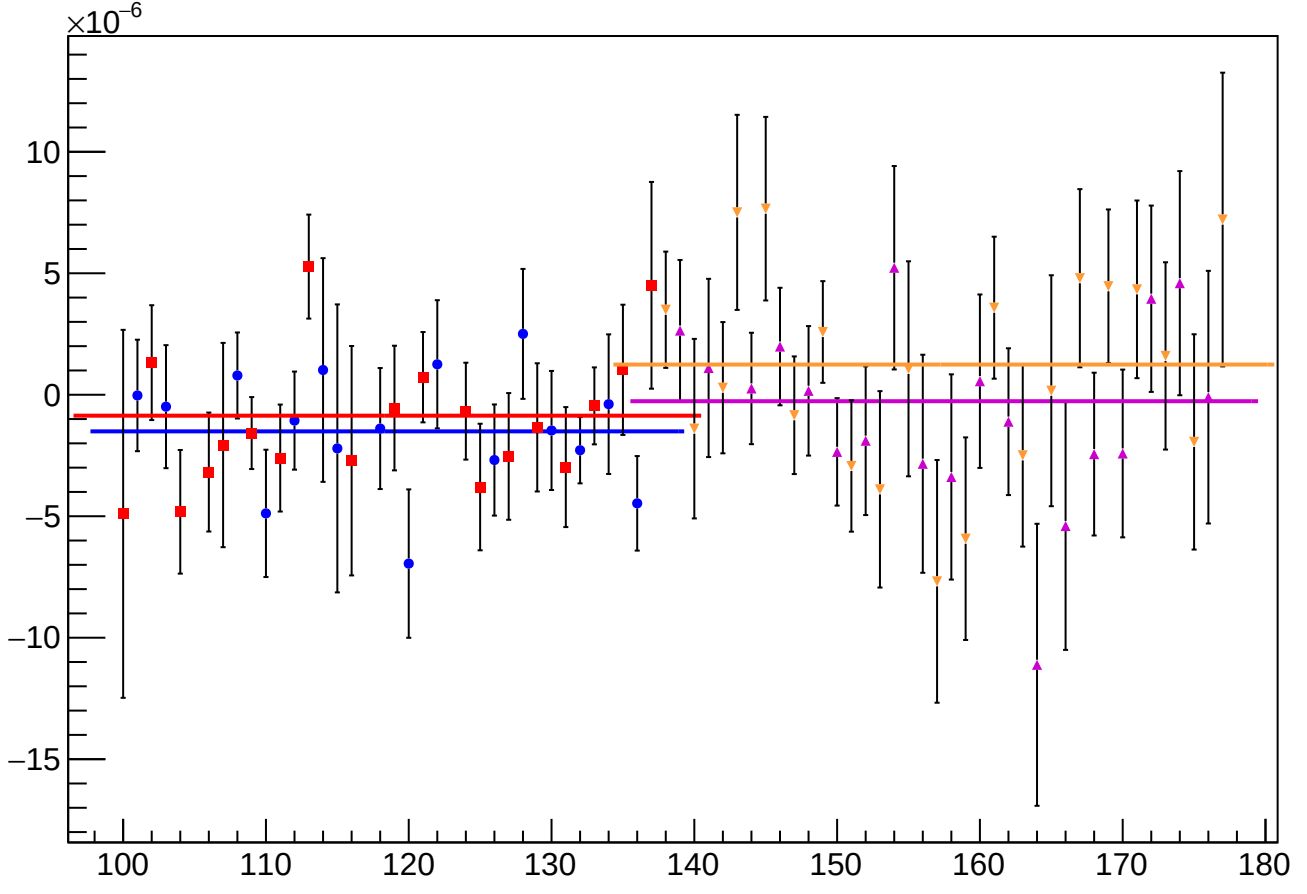
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.544+/-0.010 χ^2/NDF:1212146.8/18

\+ sign 47.477+/-0.007 χ^2/NDF: 3579846.7/36

All: 46.793+/-0.005 χ^2/NDF: 8375471.2/74

\- sign 46.099+/-0.007 χ^2/NDF: 4777918.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.0/20

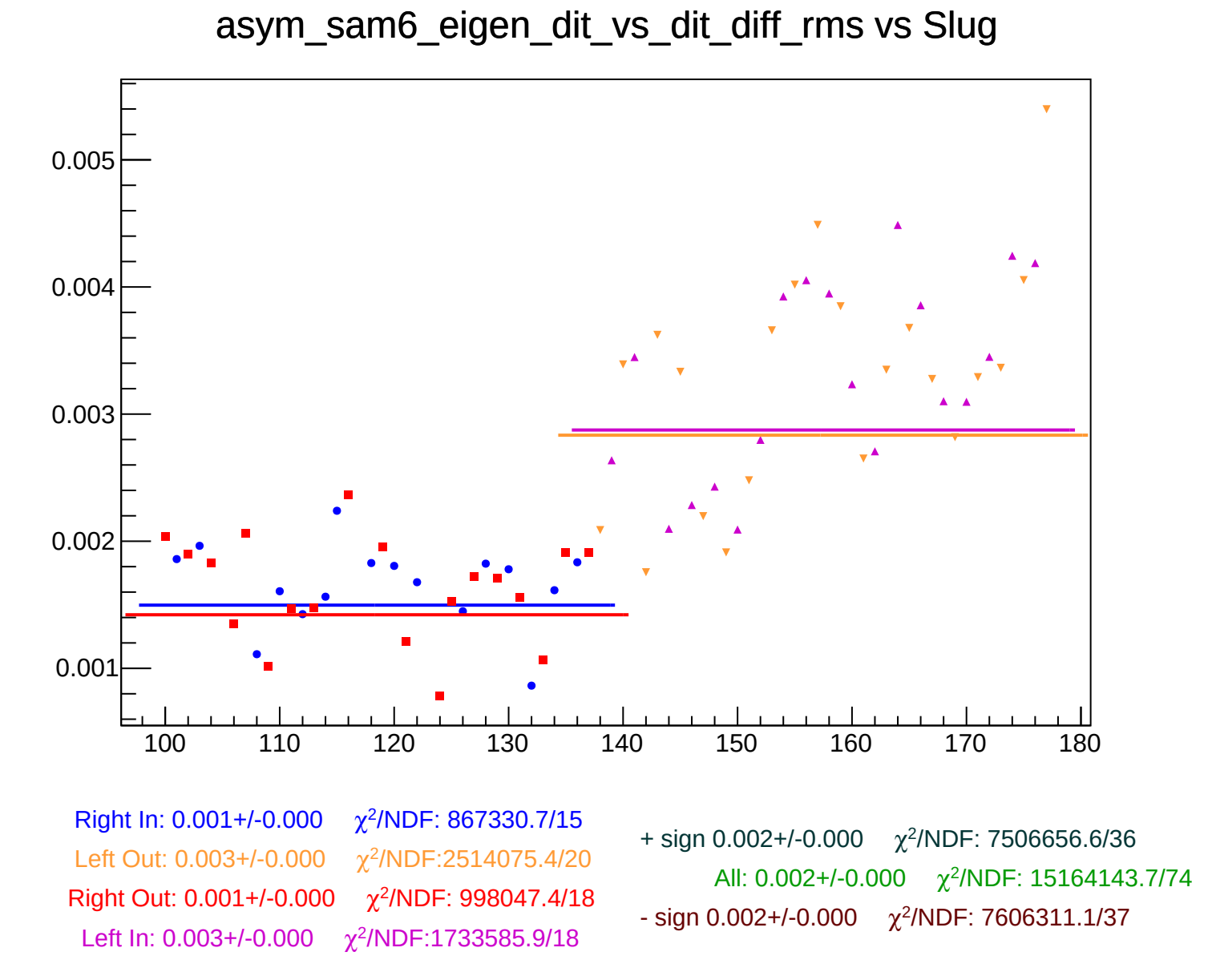
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

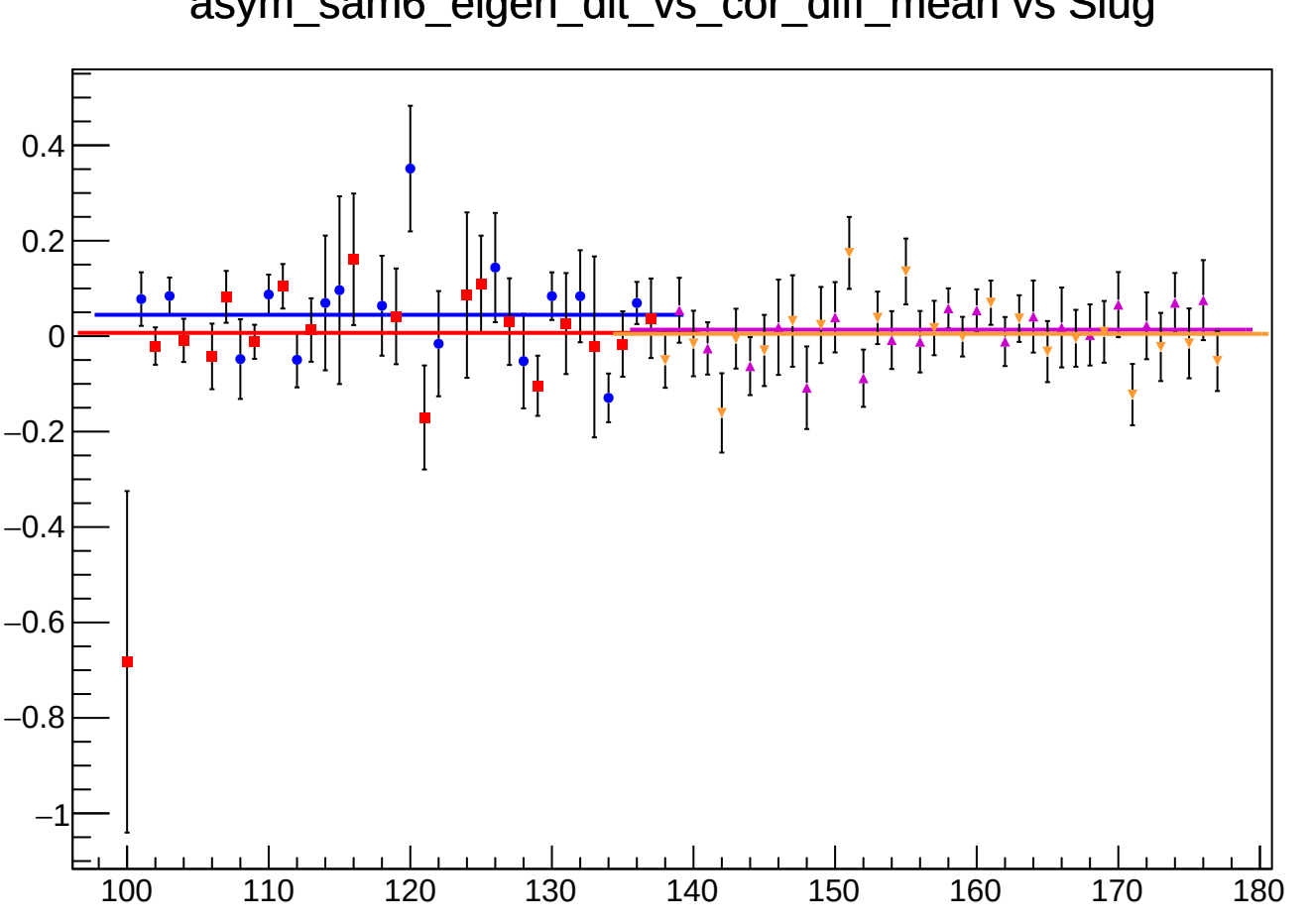
Left In: -0.000+/-0.000 χ^2/NDF:13.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/36

All: -0.000+/-0.000 χ^2/NDF: 79.9/74

- sign -0.000+/-0.000 χ^2/NDF: 33.2/37


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:2514075.4/20
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1733585.9/18
+ sign 0.002+/-0.000 χ²/NDF: 7506656.6/36
All: 0.002+/-0.000 χ²/NDF: 15164143.7/74
- sign 0.002+/-0.000 χ²/NDF: 7606311.1/37



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

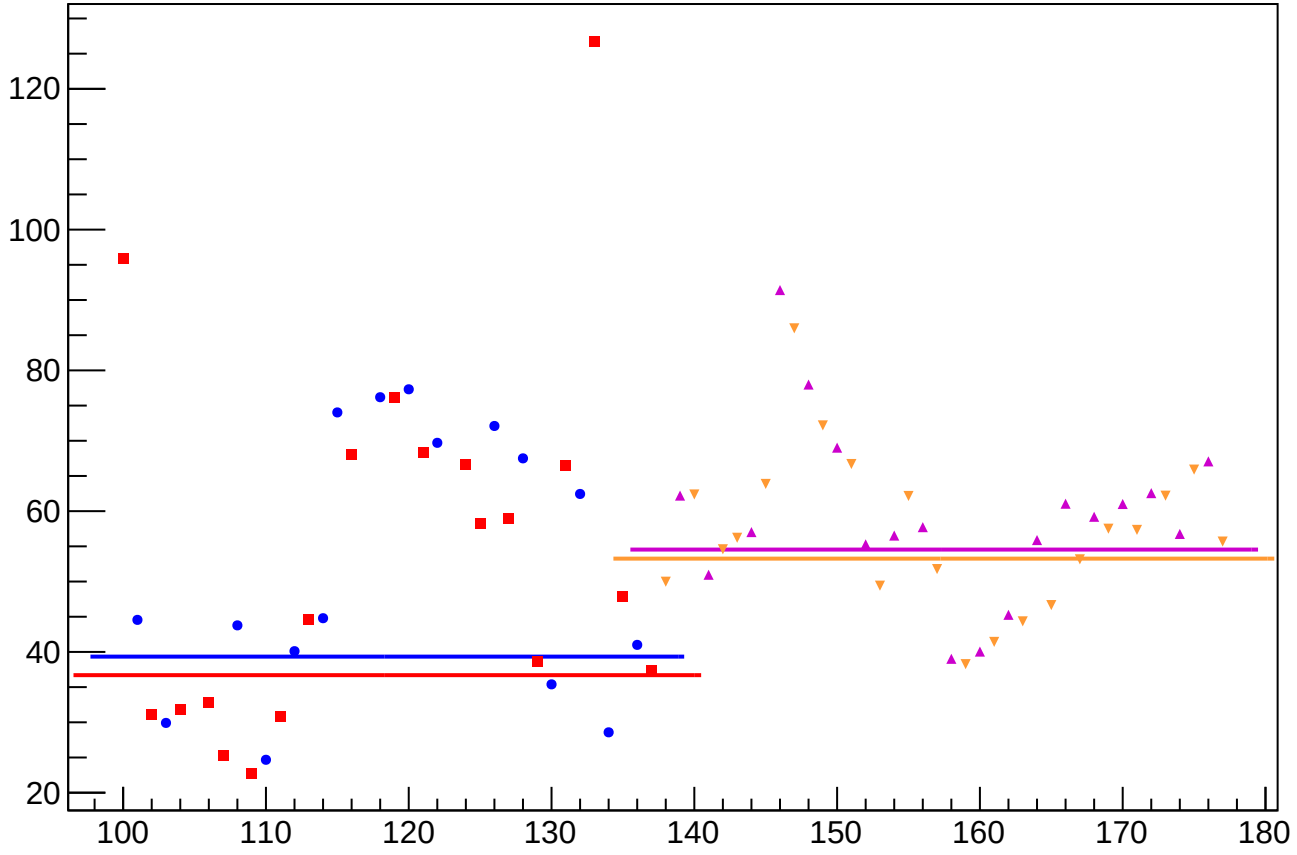
Left In: 0.014+/-0.014 χ^2/NDF:12.1/18

+ sign 0.021+/-0.010 χ^2/NDF: 52.5/36

All: 0.016+/-0.007 χ^2/NDF: 85.3/74

- sign 0.010+/-0.010 χ^2/NDF: 32.3/37

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.256+/-0.010 χ^2/NDF:1130146.5/20

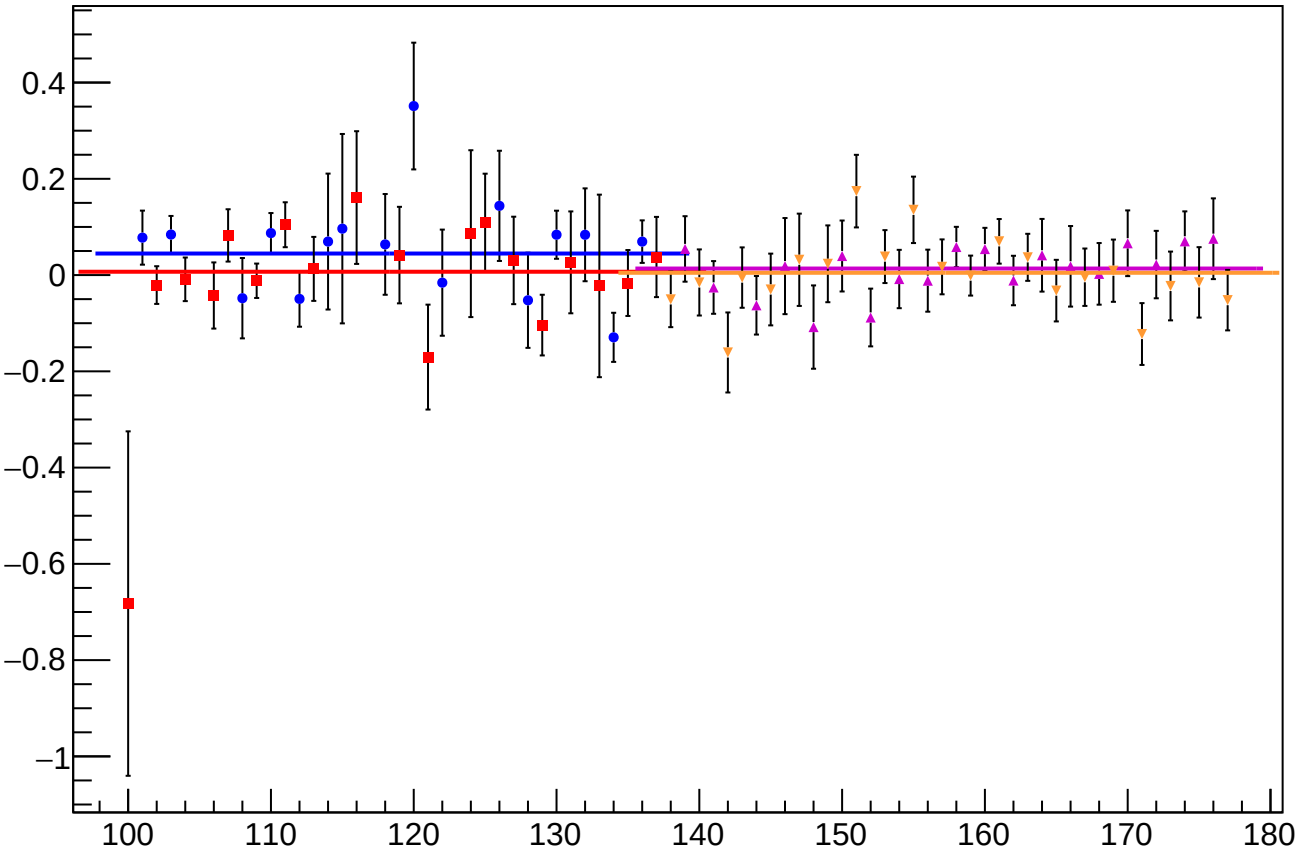
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.543+/-0.010 χ^2/NDF:1212293.3/18

\+ sign 47.476+/-0.007 χ^2/NDF: 3579926.7/36

All: 46.792+/-0.005 χ^2/NDF: 8375571.1/74

\- sign 46.098+/-0.007 χ^2/NDF: 4777941.7/37



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

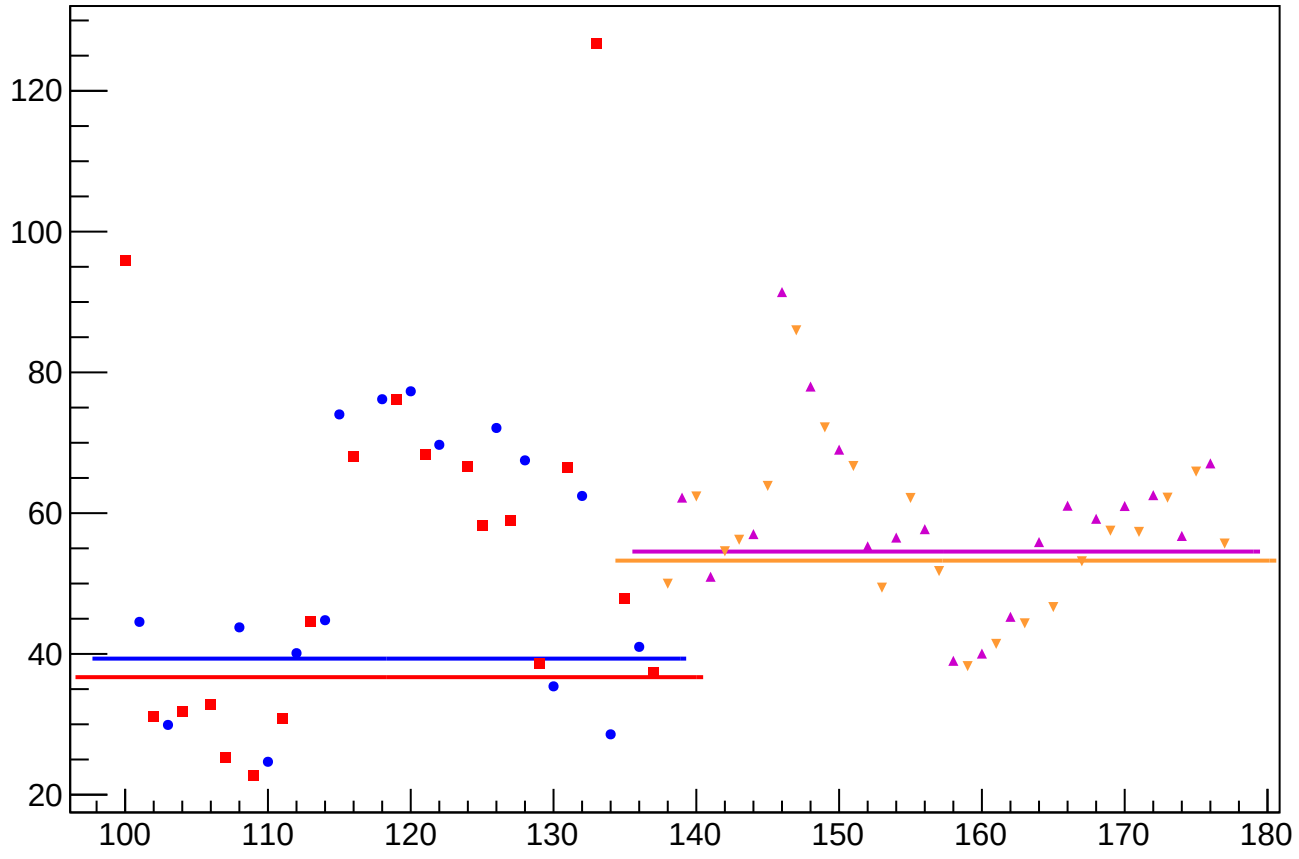
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.014+/-0.014 χ^2/NDF:12.1/18

+ sign 0.021+/-0.010 χ^2/NDF: 52.5/36

All: 0.016+/-0.007 χ^2/NDF: 85.3/74

- sign 0.010+/-0.010 χ^2/NDF: 32.3/37



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.256+/-0.010 χ^2/NDF:1130146.5/20

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

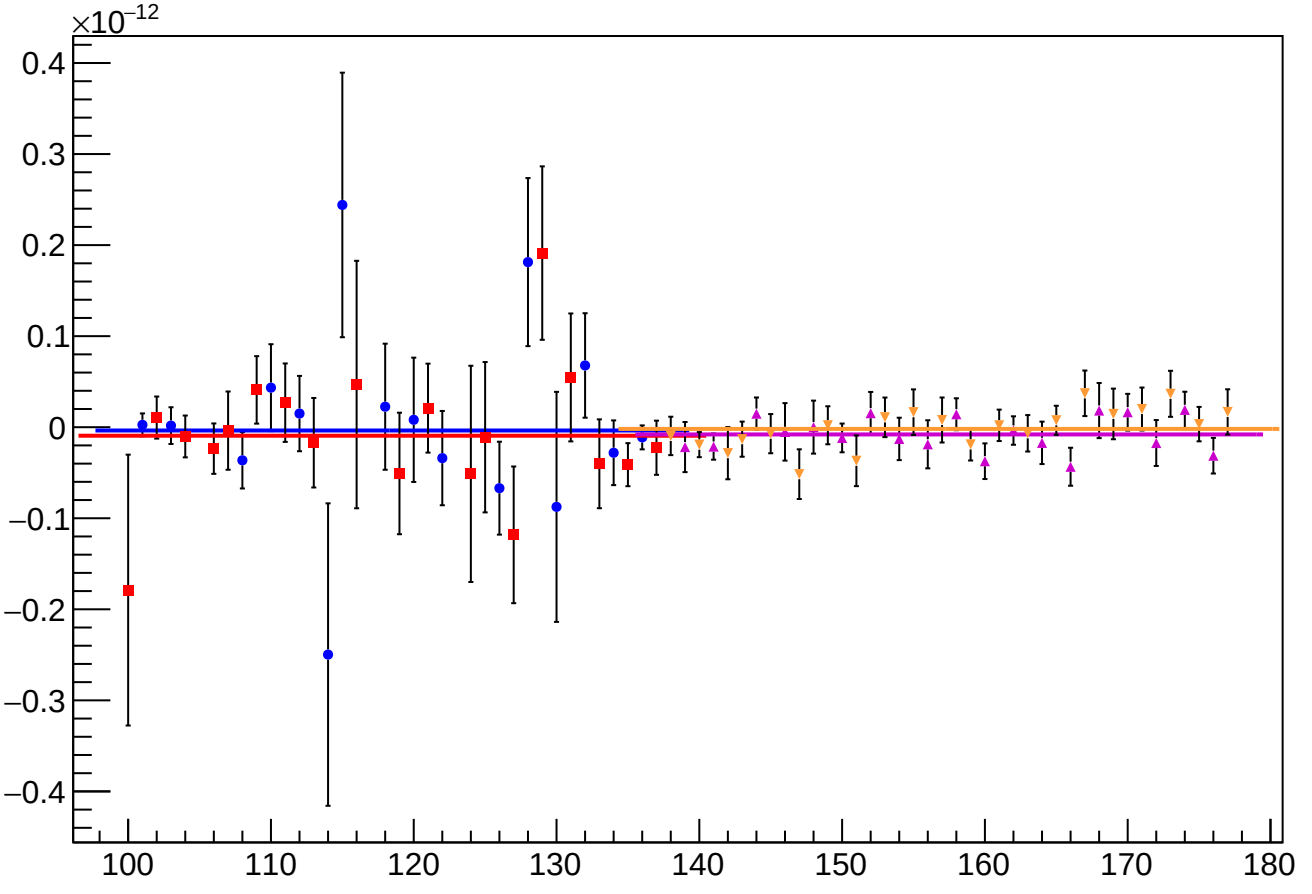
Left In: 54.543+/-0.010 χ^2/NDF:1212293.3/18

\+ sign 47.476+/-0.007 χ^2/NDF: 3579926.7/36

All: 46.792+/-0.005 χ^2/NDF: 8375571.1/74

\- sign 46.098+/-0.007 χ^2/NDF: 4777941.7/37

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

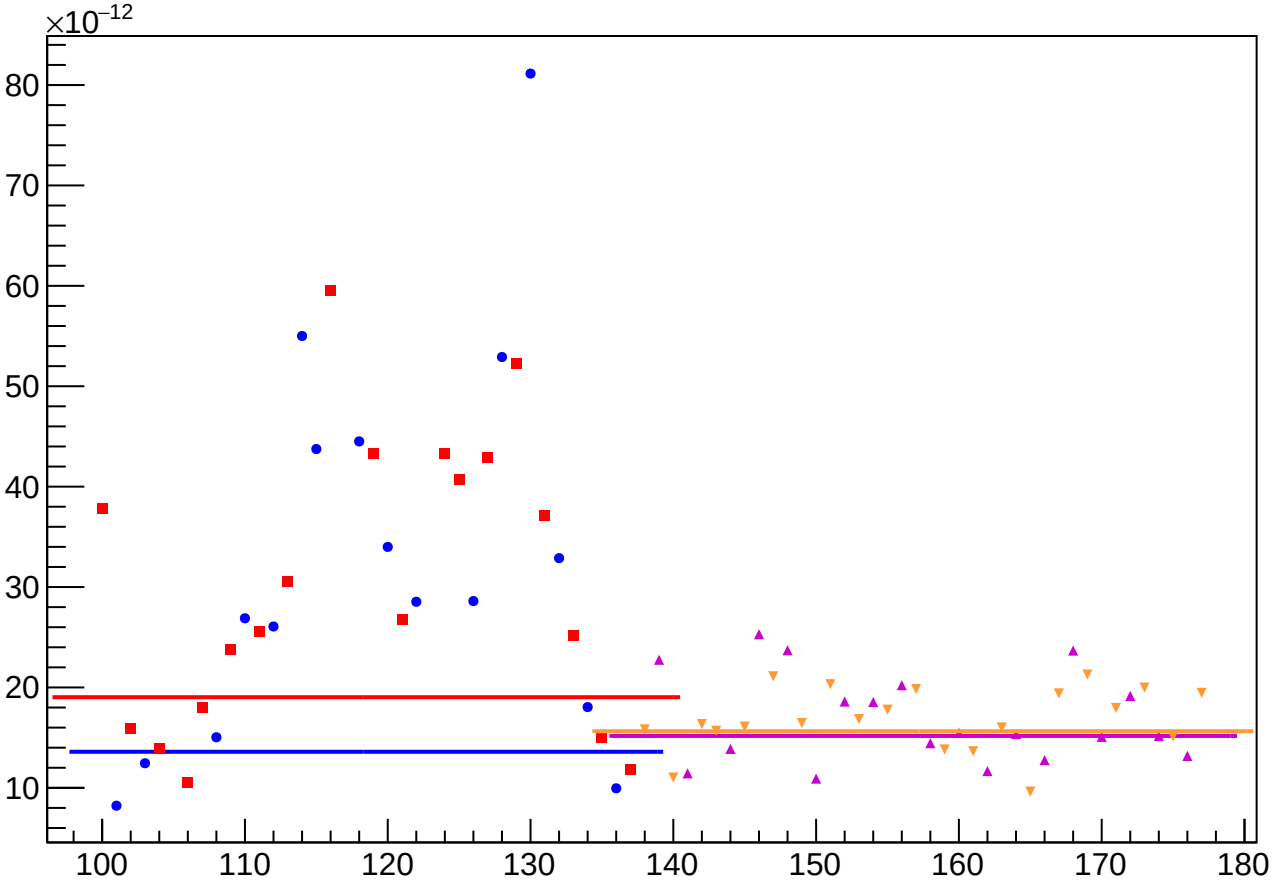
Left In: -0.000+/-0.000 χ^2/NDF:16.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 33.6/36

All: -0.000+/-0.000 χ^2/NDF: 67.1/74

- sign -0.000+/-0.000 χ^2/NDF: 32.5/37

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1032209.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

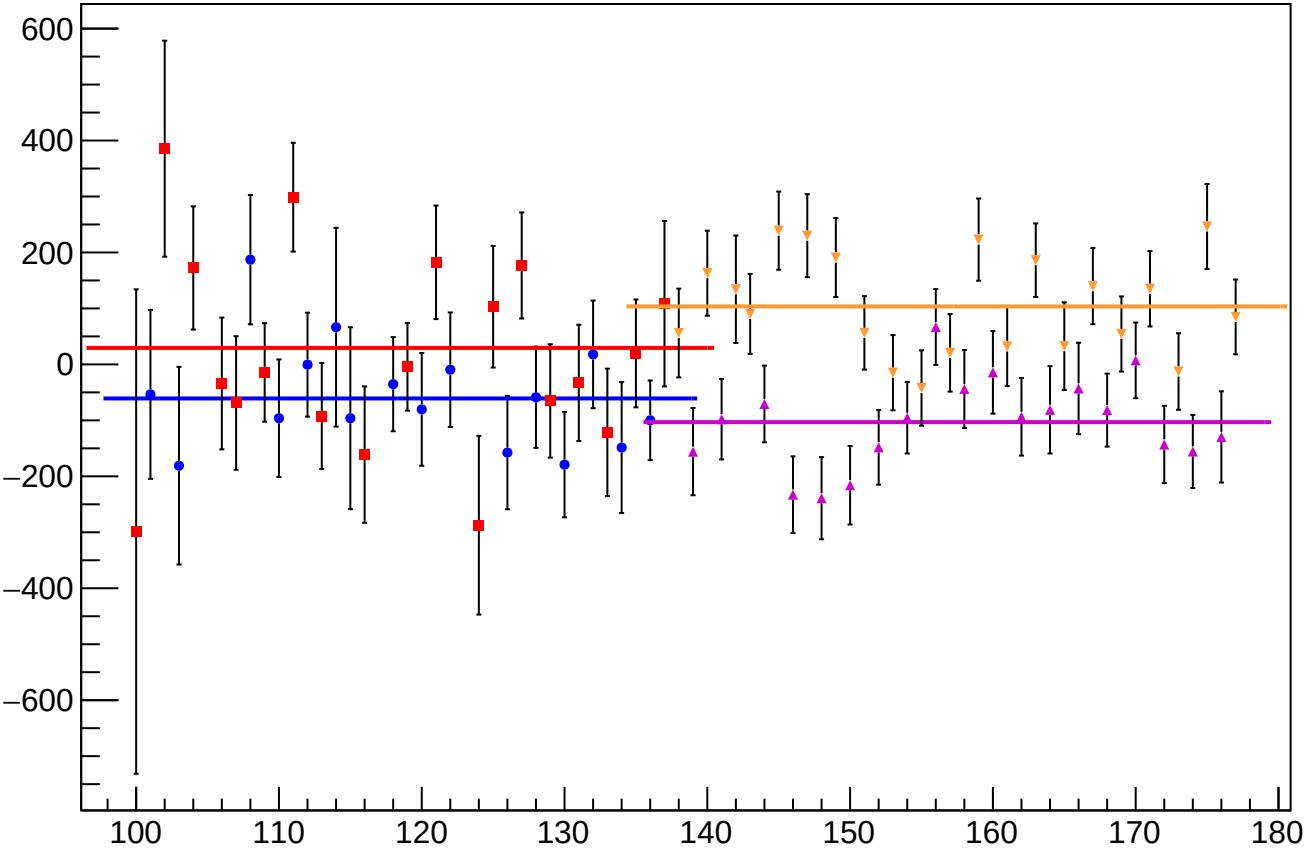
Left In: 0.000+/-0.000 χ^2/NDF:1338383.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 4333907.4/36

All: 0.000+/-0.000 χ^2/NDF: 8059414.2/74

- sign 0.000+/-0.000 χ^2/NDF: 3671735.4/37

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.607+/-15.511 χ^2/NDF:32.7/20

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

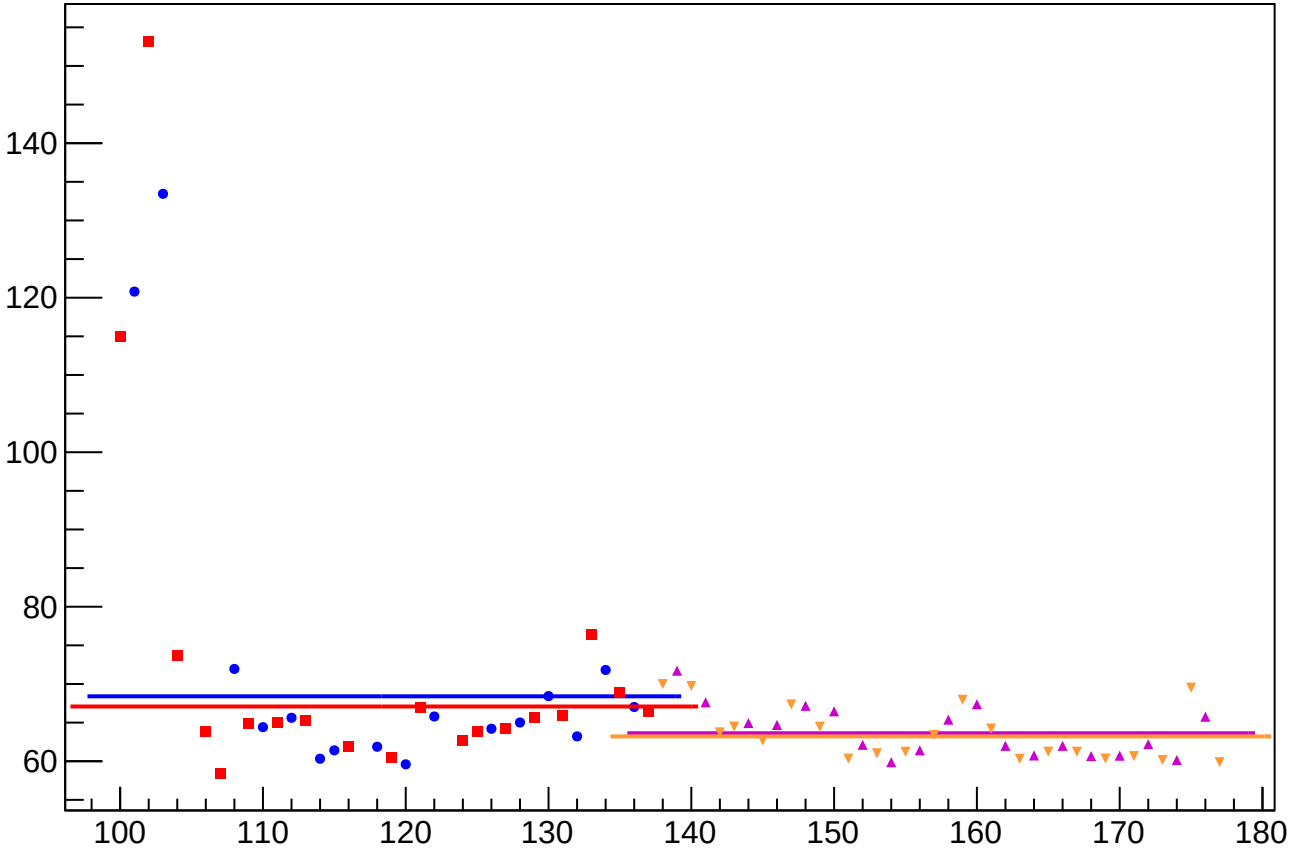
Left In: -103.128+/-16.176 χ^2/NDF:23.7/18

+ sign 60.573+/-13.328 χ^2/NDF: 72.7/36

All: -0.580+/-9.518 χ^2/NDF: 190.3/74

- sign -64.235+/-13.598 χ^2/NDF: 74.6/37

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.212+/-0.011 χ^2/NDF:89537.4/20

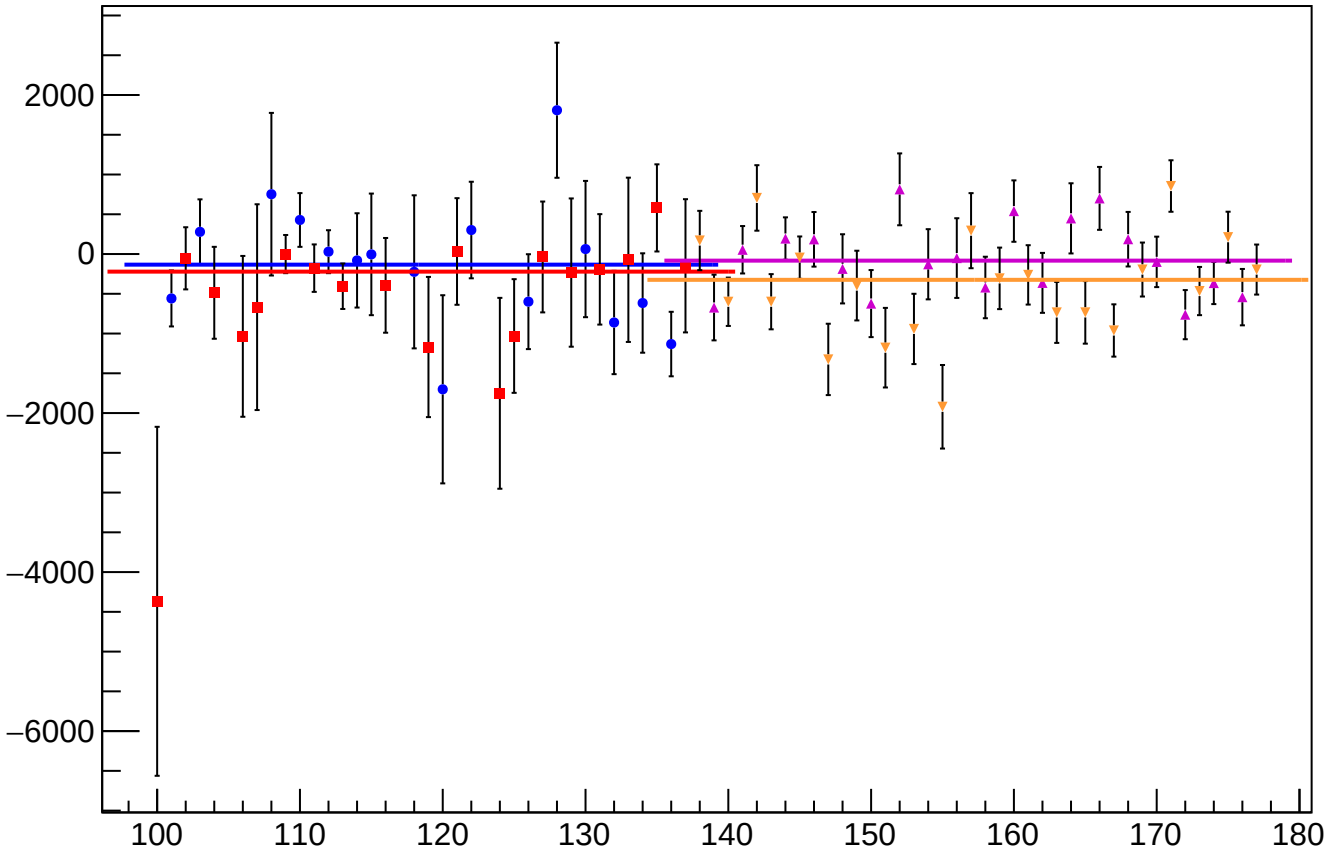
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

+ sign 64.571+/-0.009 χ^2/NDF: 717711.2/36

All: 64.604+/-0.007 χ^2/NDF: 1300188.6/74

- sign 64.639+/-0.010 χ^2/NDF: 582451.4/37



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -324.560+/-79.304 χ^2/NDF:54.0/20

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

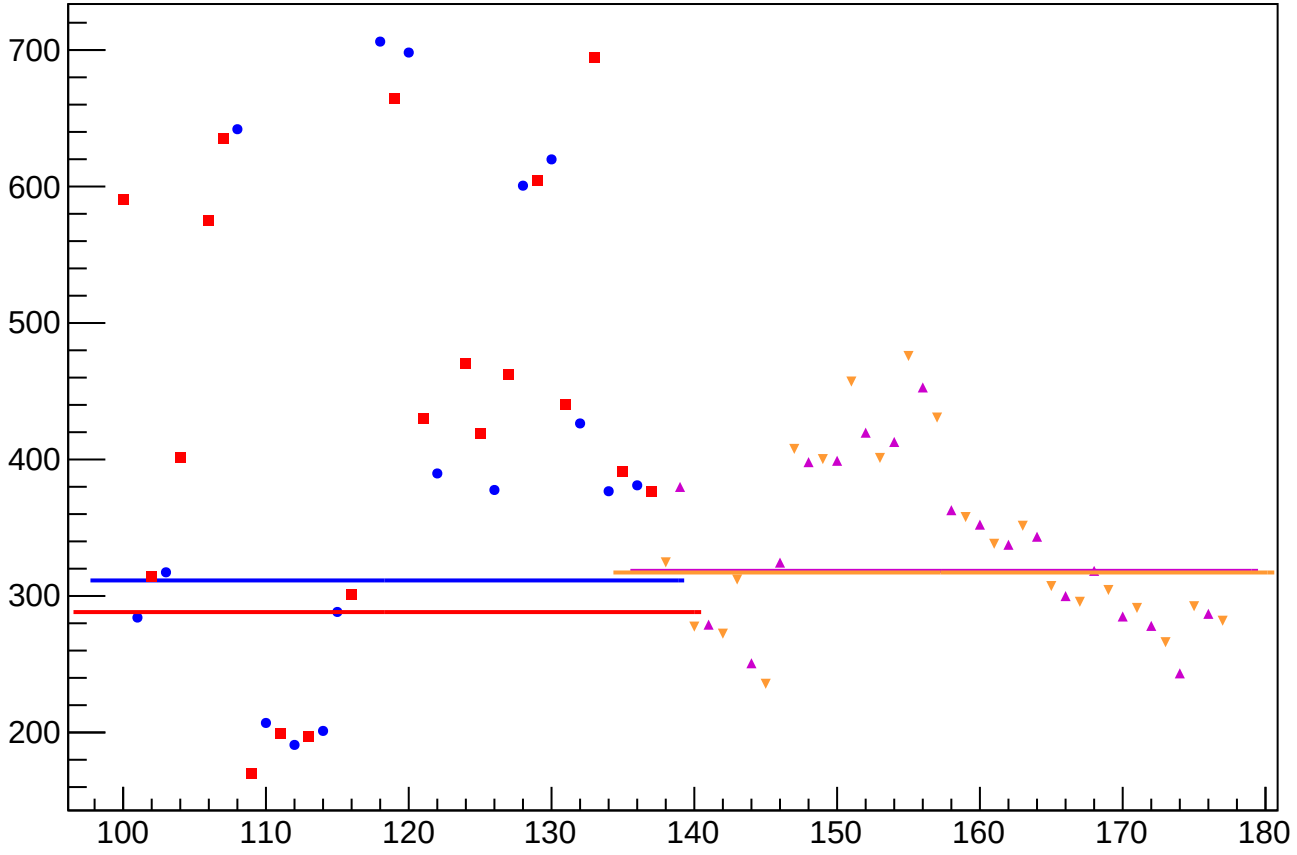
Left In: -83.063+/-82.297 χ^2/NDF:27.1/18

+ sign -270.314+/-67.102 χ^2/NDF: 78.1/36

All: -199.745+/-47.575 χ^2/NDF: 120.9/74

- sign -128.419+/-67.461 χ^2/NDF: 40.6/37

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 317.212+/-0.056 χ^2/NDF:1089843.4/20

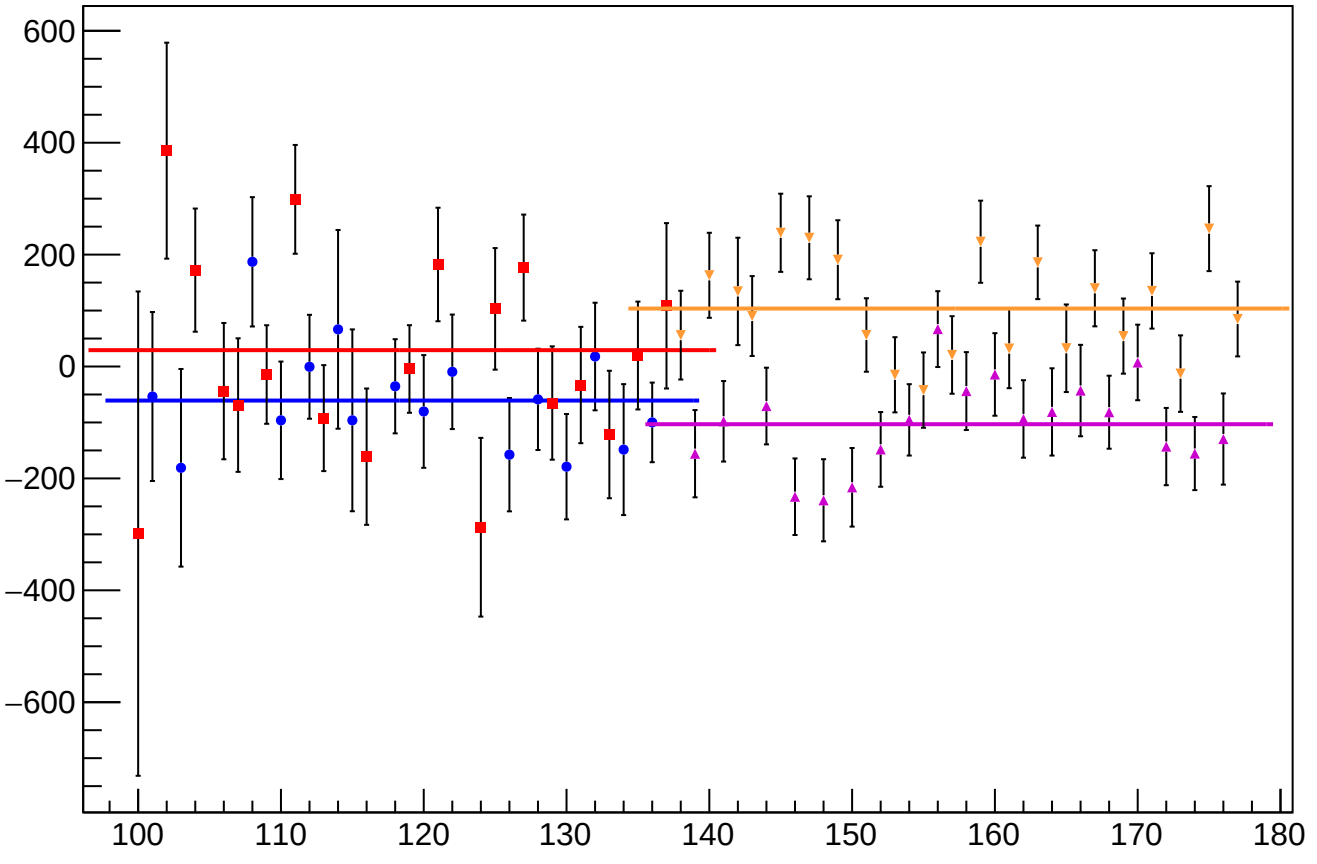
Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 318.409+/-0.058 χ^2/NDF:975488.1/18

+ sign 315.557+/-0.047 χ^2/NDF: 3216706.4/36

All: 312.047+/-0.034 χ^2/NDF: 7006951.1/74

- sign 308.500+/-0.048 χ^2/NDF: 3779245.3/37



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.608+/-15.511 χ^2/NDF:32.7/20

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

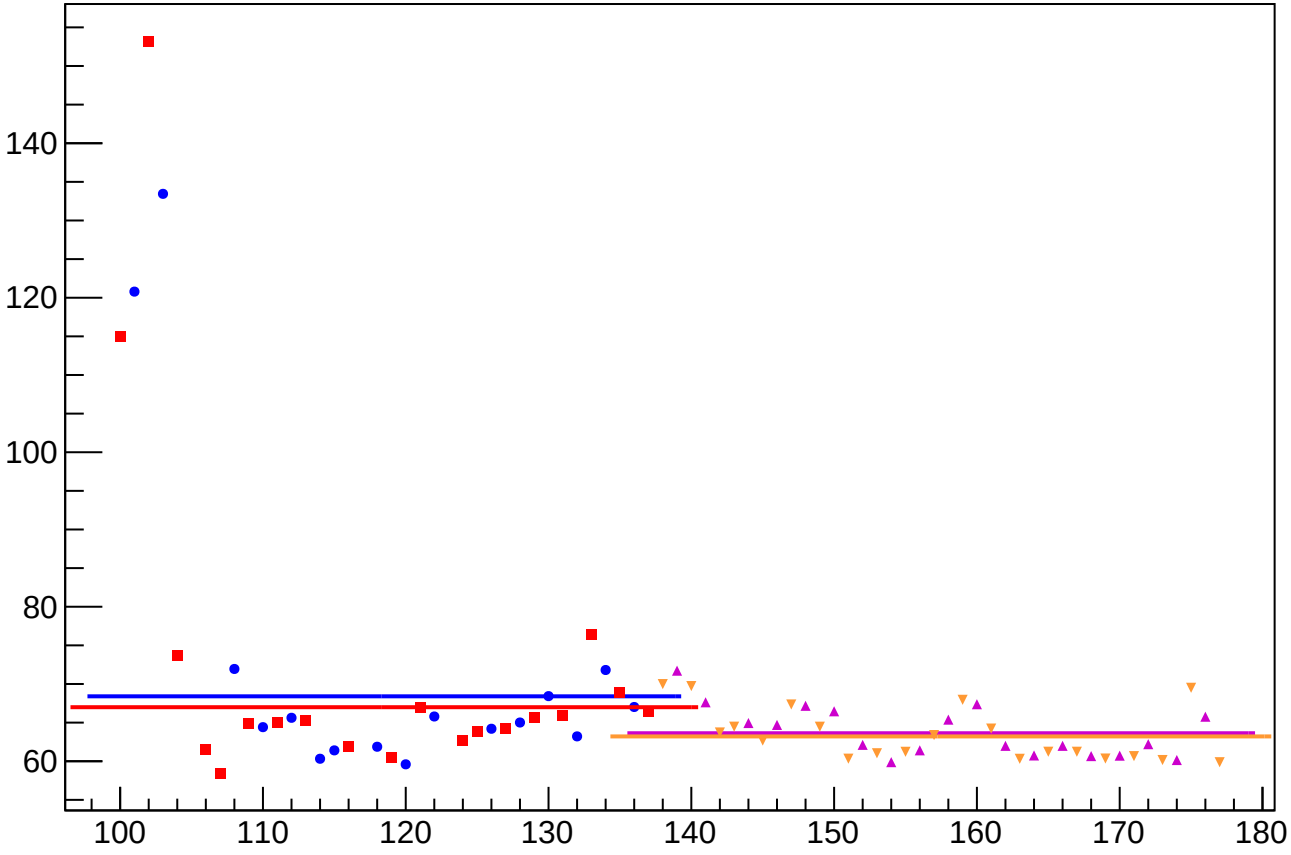
Left In: -103.125+/-16.176 χ^2/NDF:23.7/18

+ sign 60.573+/-13.328 χ^2/NDF: 72.7/36

All: -0.625+/-9.520 χ^2/NDF: 190.3/74

- sign -64.383+/-13.604 χ^2/NDF: 74.6/37

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.212+/-0.011 χ^2/NDF:89537.4/20

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

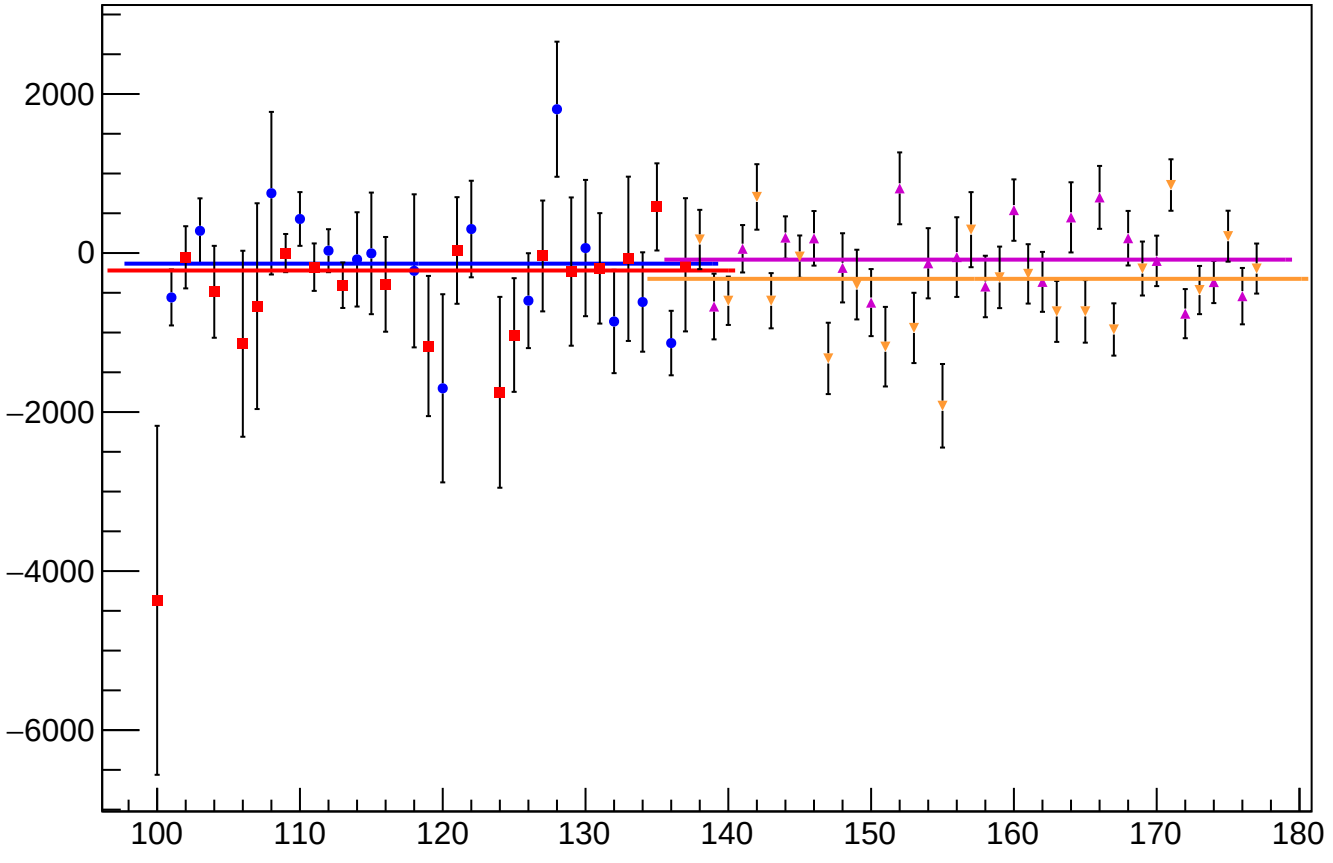
Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

+ sign 64.571+/-0.009 χ^2/NDF: 717711.6/36

All: 64.590+/-0.007 χ^2/NDF: 1301394.4/74

- sign 64.611+/-0.010 χ^2/NDF: 583674.1/37

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -324.559+/-79.304 χ^2/NDF:54.0/20

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

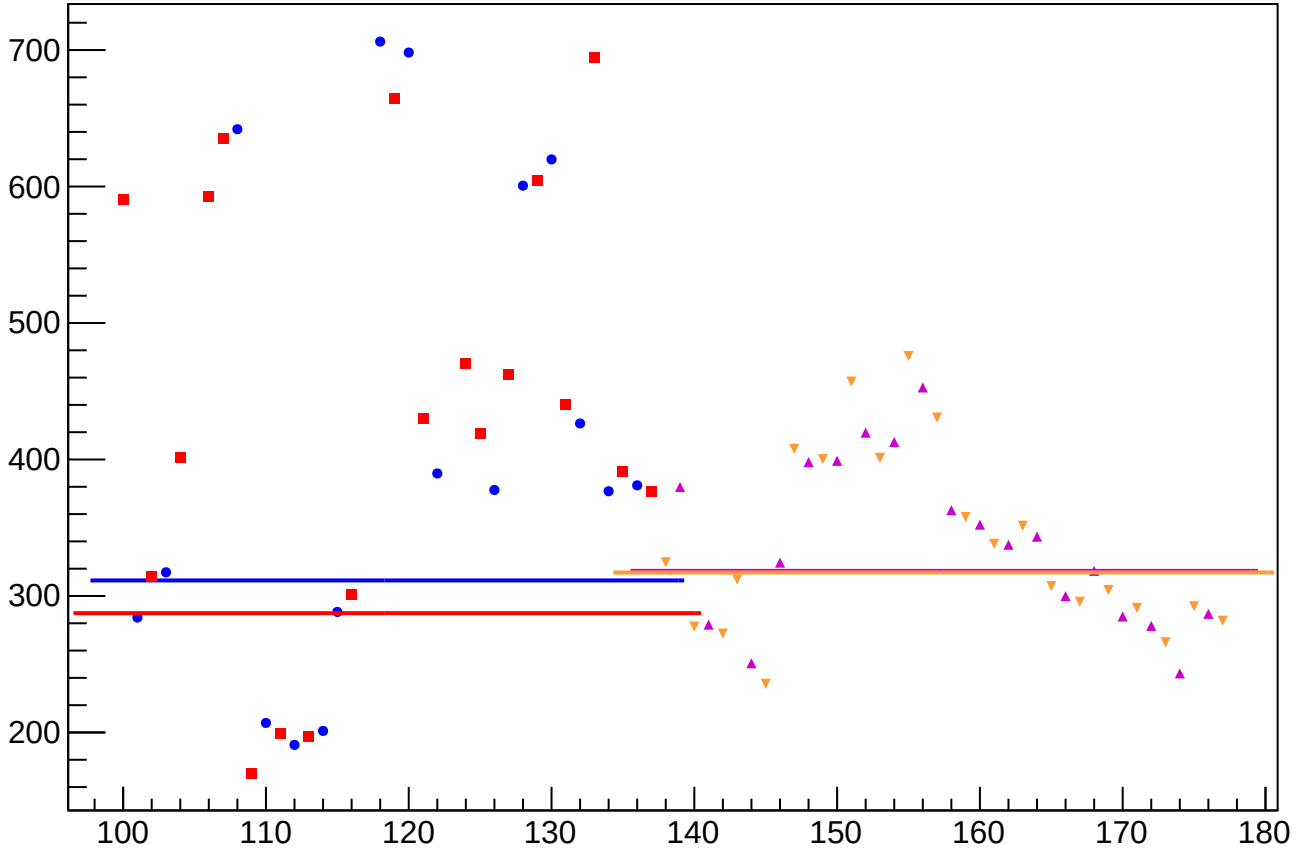
Left In: -83.056+/-82.297 χ^2/NDF:27.1/18

+ sign -270.314+/-67.102 χ^2/NDF: 78.1/36

All: -199.452+/-47.588 χ^2/NDF: 120.9/74

- sign -127.748+/-67.499 χ^2/NDF: 40.6/37

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.211+/-0.056 χ^2/NDF:1089848.2/20

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

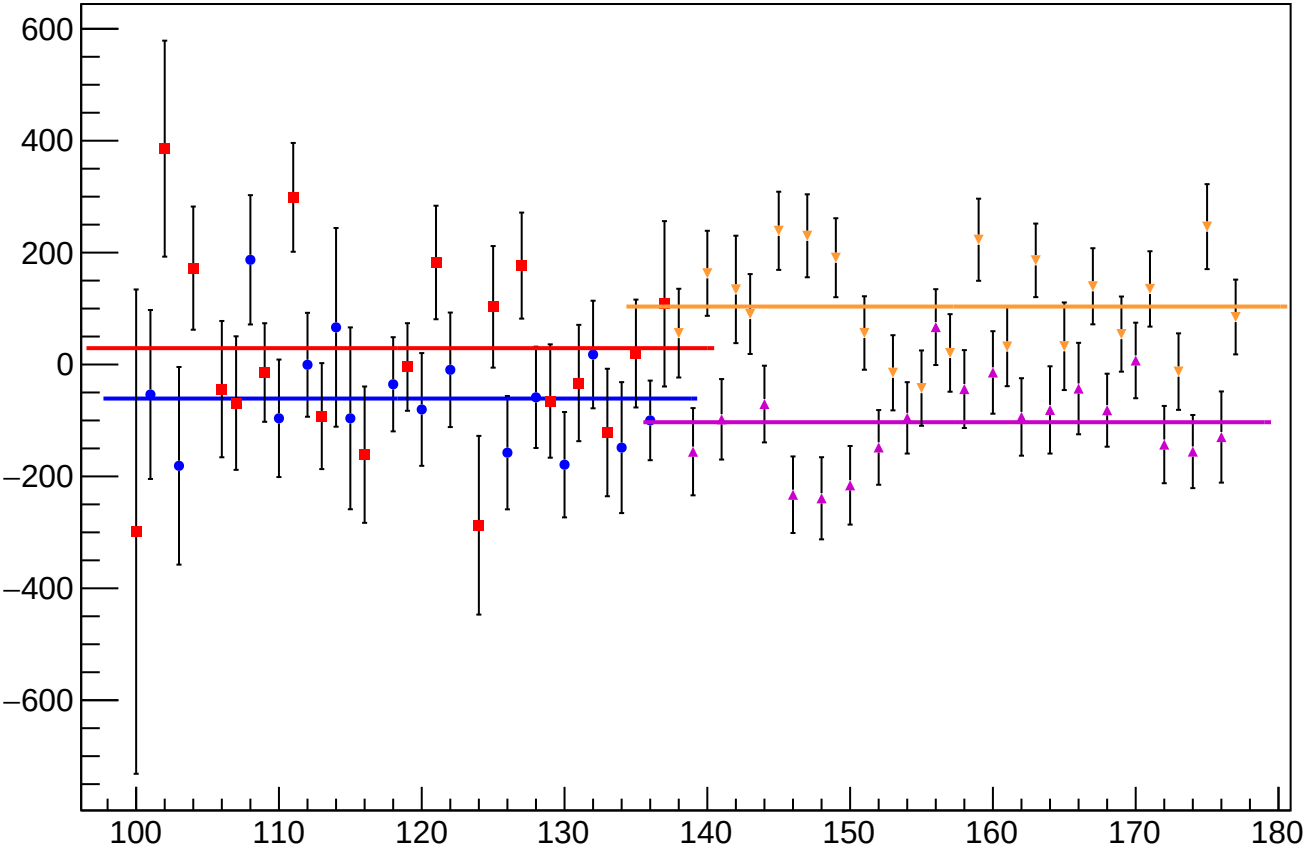
Left In: 318.409+/-0.058 χ^2/NDF:975493.5/18

+ sign 315.557+/-0.047 χ^2/NDF: 3216710.3/36

All: 311.932+/-0.034 χ^2/NDF: 6987054.0/74

- sign 308.265+/-0.048 χ^2/NDF: 3758602.4/37

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.608+/-15.511 χ^2/NDF:32.7/20

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

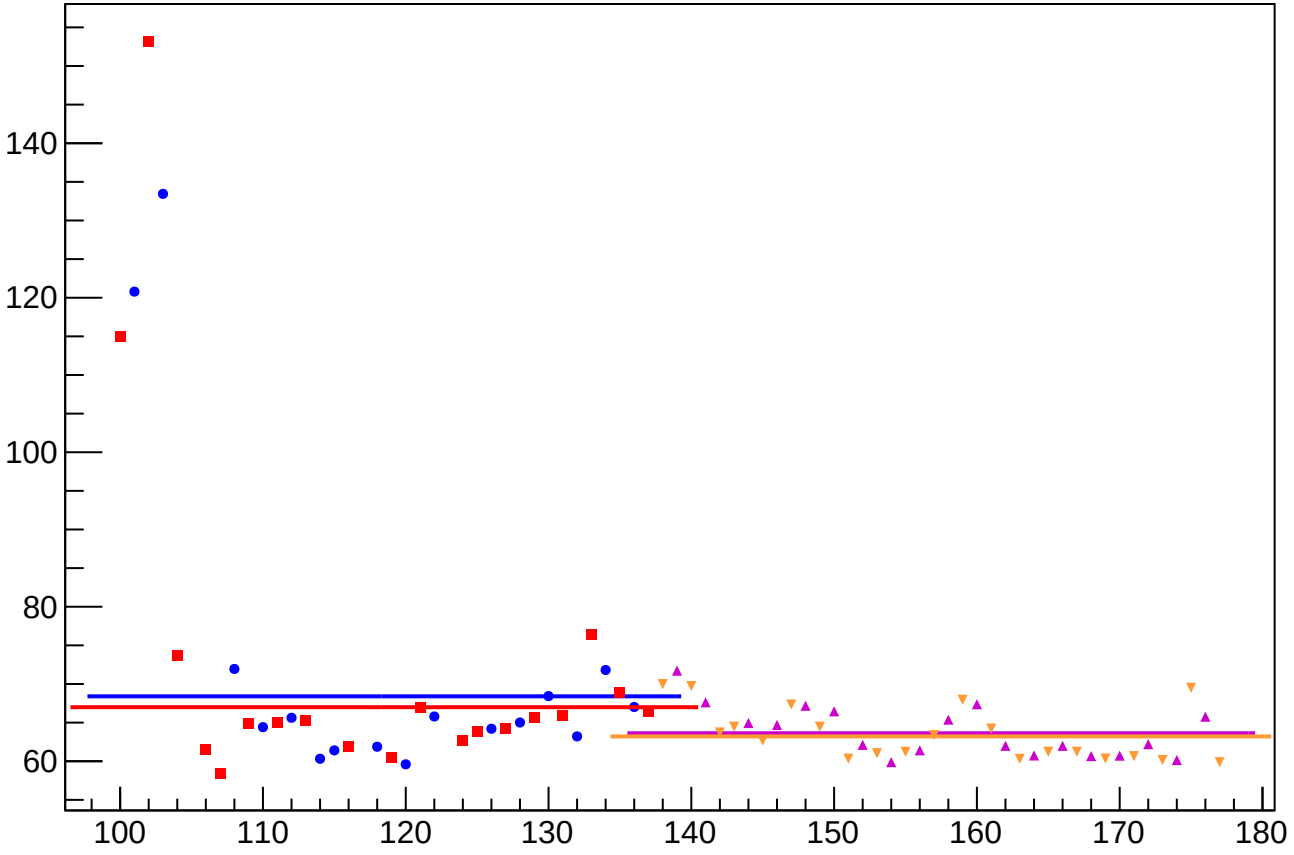
Left In: -103.125+/-16.176 χ^2/NDF:23.7/18

+ sign 60.573+/-13.328 χ^2/NDF: 72.7/36

All: -0.625+/-9.520 χ^2/NDF: 190.3/74

- sign -64.383+/-13.604 χ^2/NDF: 74.6/37

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.212+/-0.011 χ^2/NDF:89537.4/20

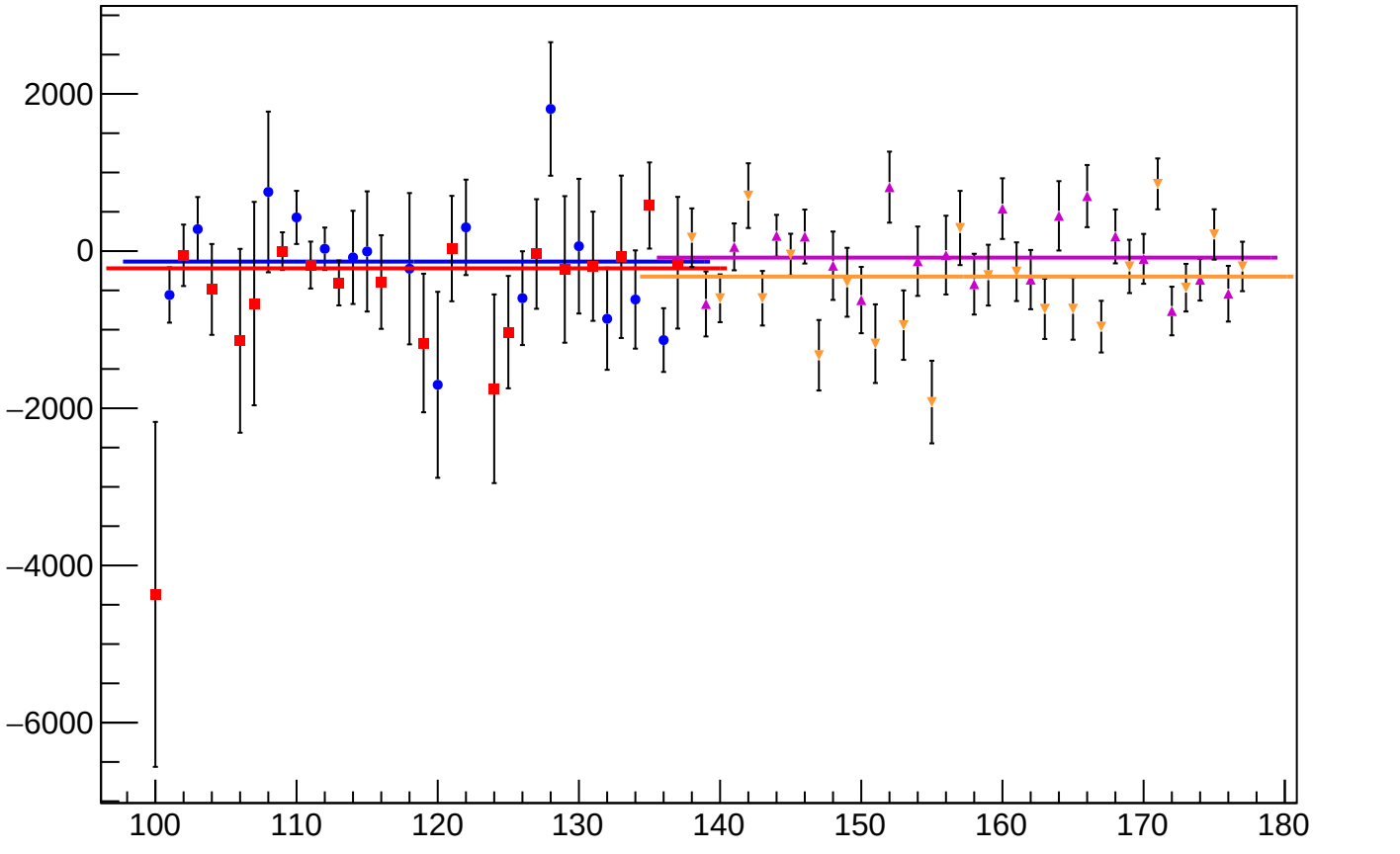
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

+ sign 64.571+/-0.009 χ^2/NDF: 717711.6/36

All: 64.590+/-0.007 χ^2/NDF: 1301394.4/74

- sign 64.611+/-0.010 χ^2/NDF: 583674.1/37



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -324.559+/-79.304 χ^2/NDF:54.0/20

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

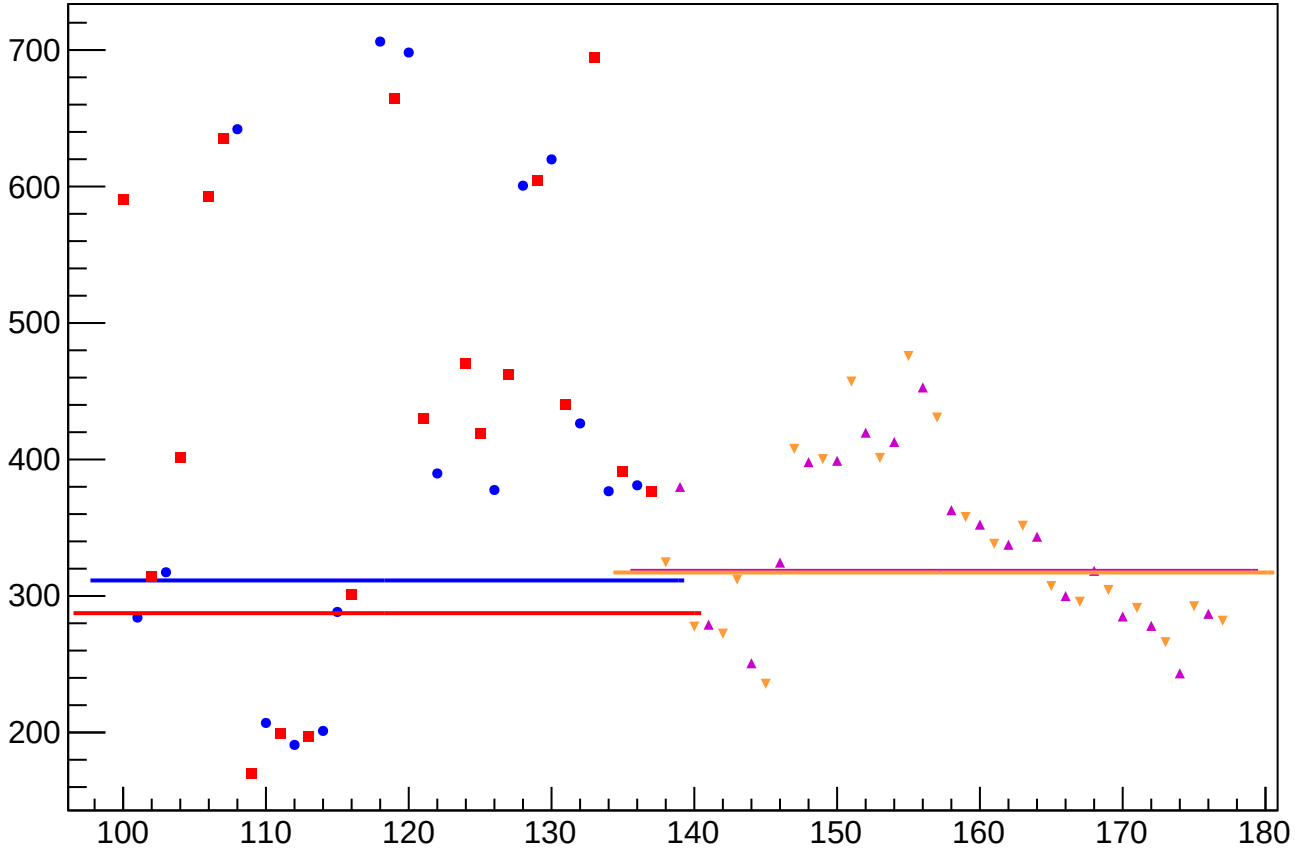
Left In: -83.056+/-82.297 χ^2/NDF:27.1/18

+ sign -270.314+/-67.102 χ^2/NDF: 78.1/36

All: -199.452+/-47.588 χ^2/NDF: 120.9/74

- sign -127.748+/-67.499 χ^2/NDF: 40.6/37

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.211+/-0.056 χ^2/NDF:1089848.2/20

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

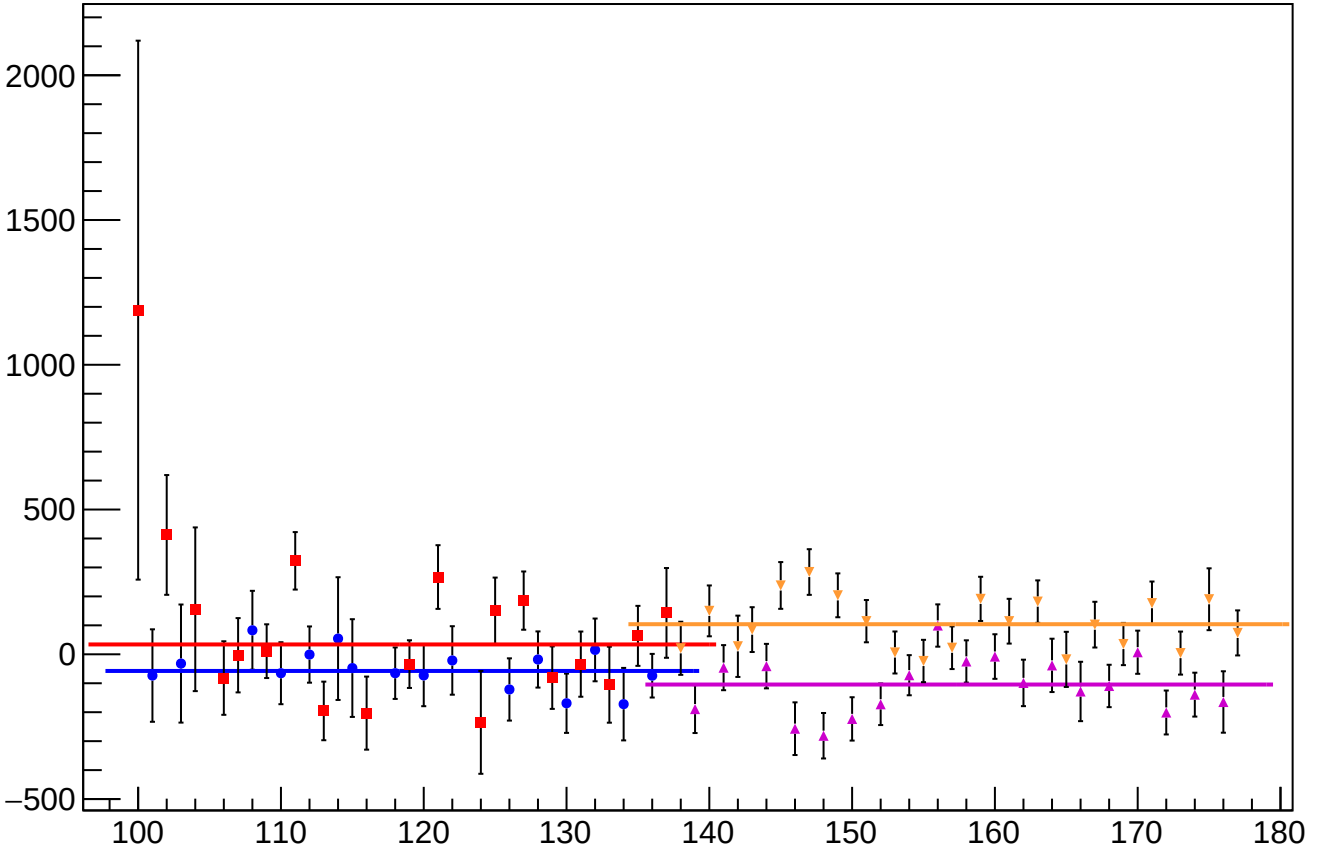
Left In: 318.409+/-0.058 χ^2/NDF:975493.5/18

+ sign 315.557+/-0.047 χ^2/NDF: 3216710.3/36

All: 311.932+/-0.034 χ^2/NDF: 6987054.0/74

- sign 308.265+/-0.048 χ^2/NDF: 3758602.4/37

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.934+/-17.305 χ^2/NDF:26.0/20

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

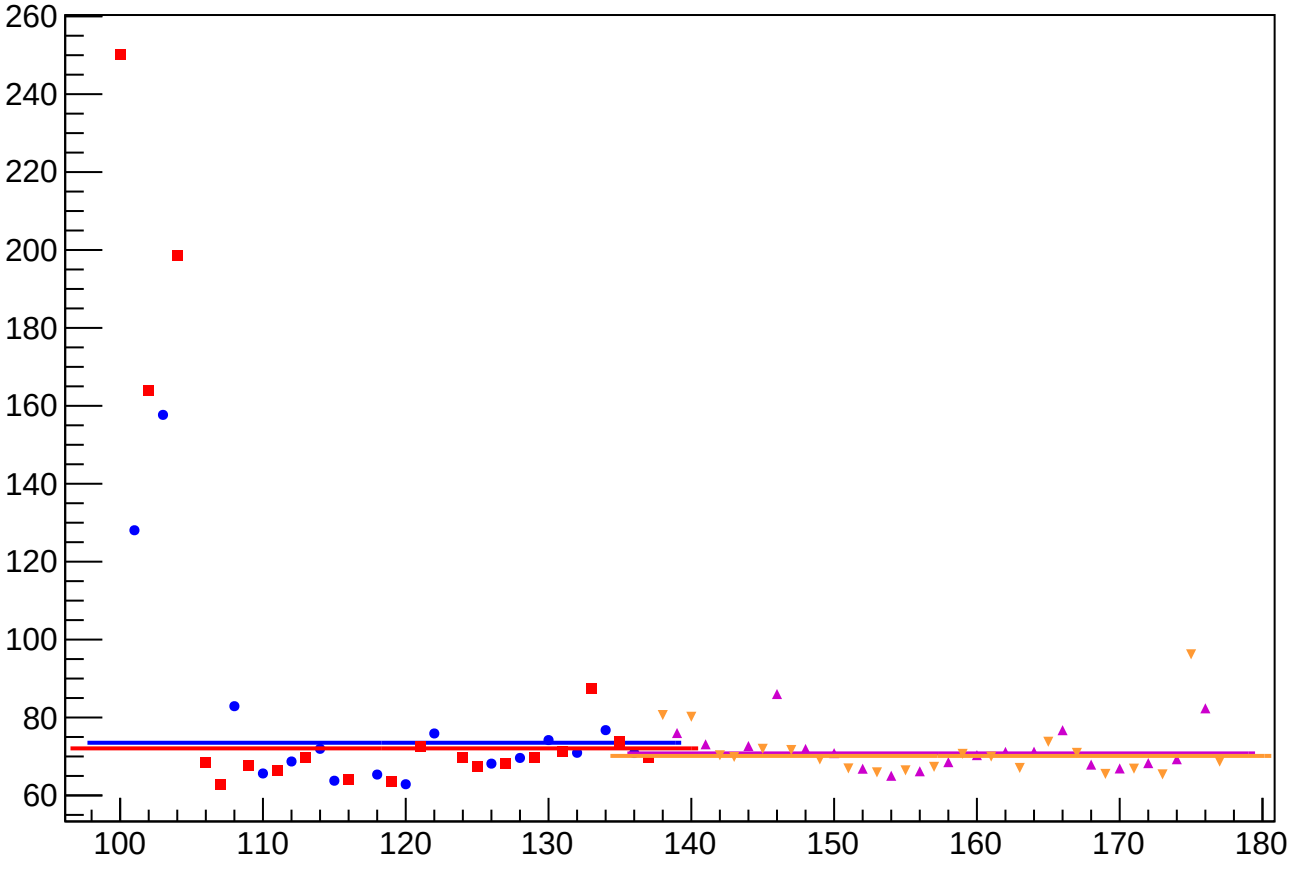
Left In: -104.414+/-18.081 χ^2/NDF:29.3/18

\+ sign 59.504+/-14.733 χ^2/NDF: 54.8/36

All: 0.009+/-10.542 χ^2/NDF: 172.5/74

\- sign -62.411+/-15.091 χ^2/NDF: 84.3/37

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.142+/-0.012 χ^2/NDF:219724.4/20

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

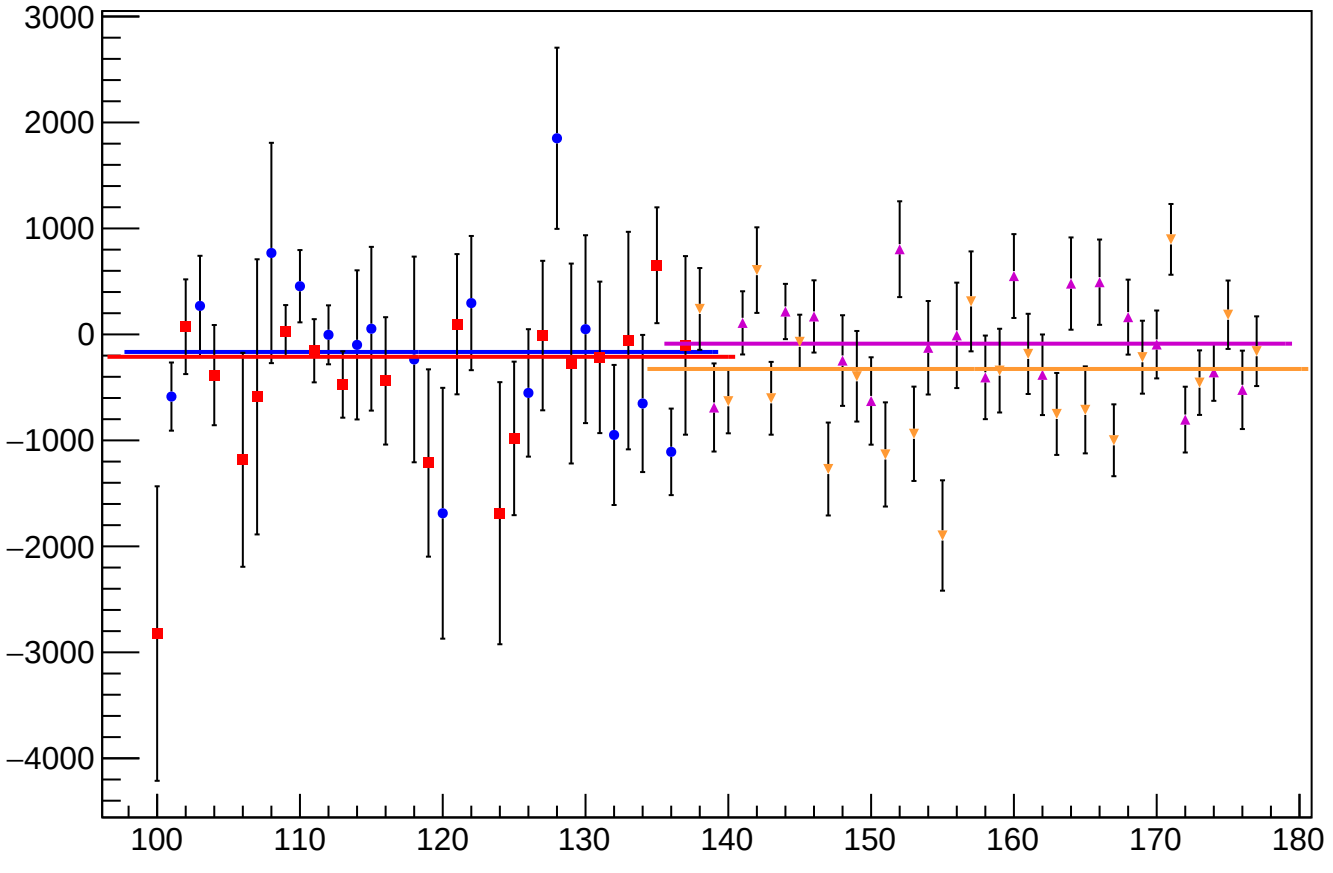
Left In: 70.784+/-0.013 χ^2/NDF:139113.4/18

+ sign 71.071+/-0.010 χ^2/NDF: 897528.8/36

All: 71.122+/-0.007 χ^2/NDF: 1998275.1/74

- sign 71.175+/-0.011 χ^2/NDF: 1100697.6/37

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -326.055+/-79.747 χ^2/NDF:53.0/20

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

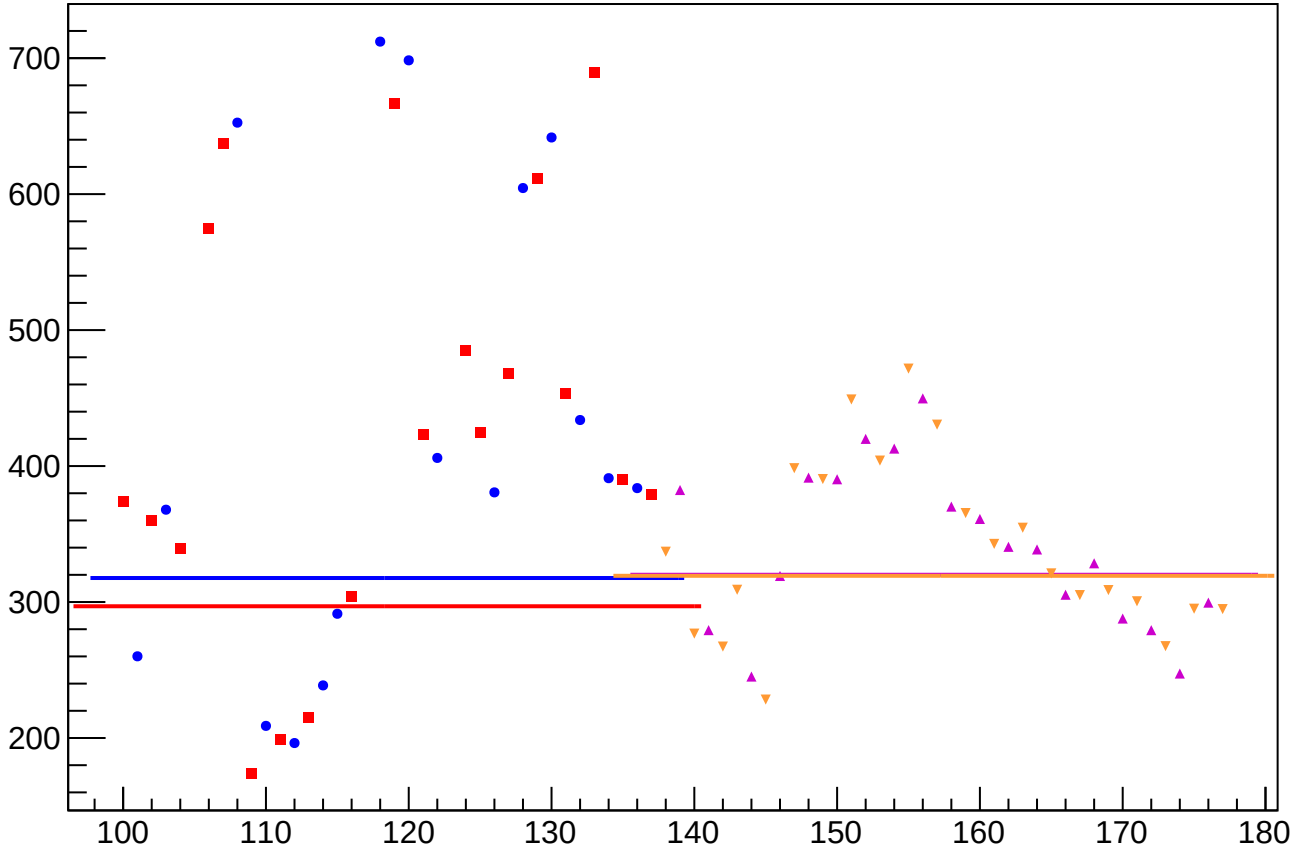
Left In: -87.448+/-82.709 χ^2/NDF:26.1/18

\+ sign -281.381+/-67.750 χ^2/NDF: 76.7/36

All: -204.761+/-48.038 χ^2/NDF: 119.7/74

\- sign -127.296+/-68.123 χ^2/NDF: 40.4/37

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 319.292+/-0.056 χ^2/NDF:1089093.5/20

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

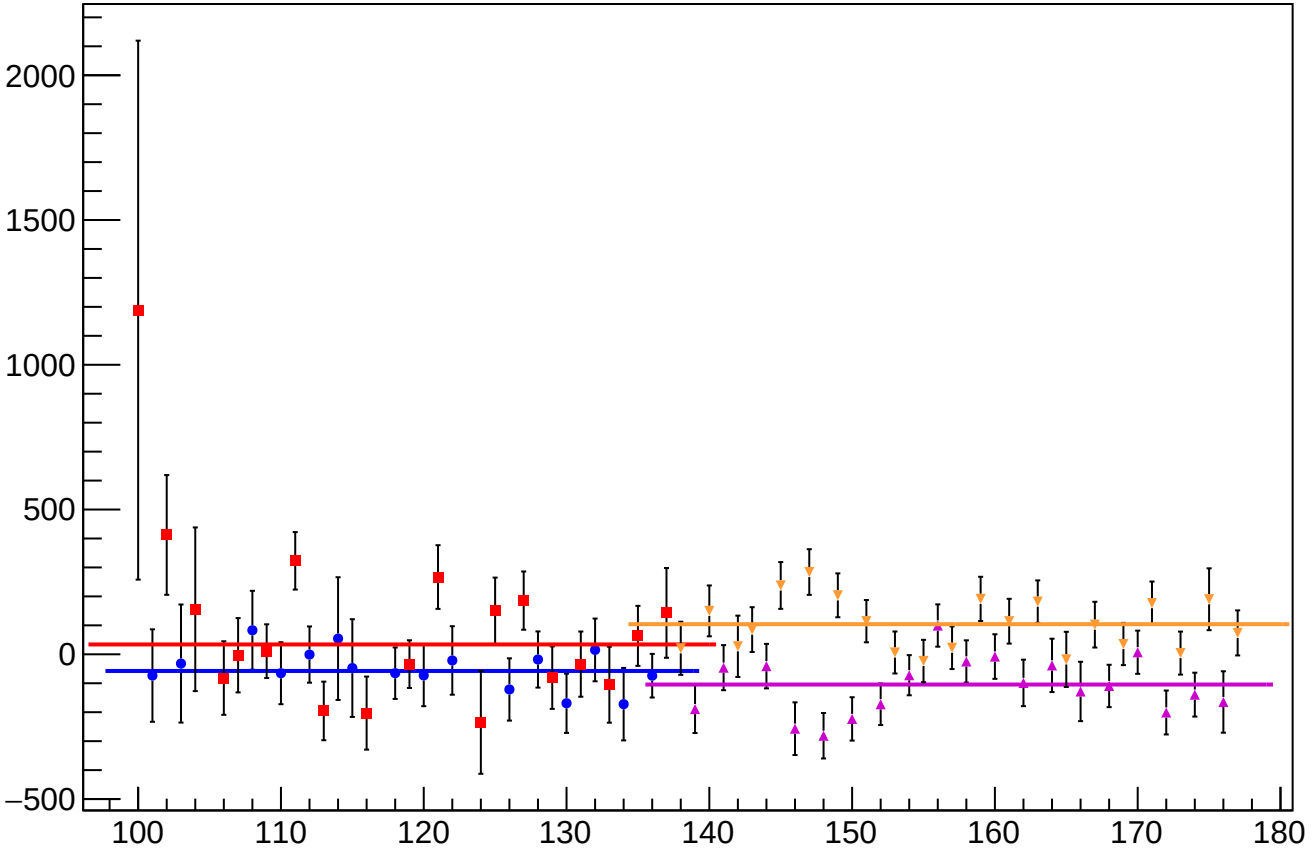
Left In: 320.051+/-0.058 χ^2/NDF:956891.7/18

+ sign 318.839+/-0.048 χ^2/NDF: 3225518.3/36

All: 315.737+/-0.034 χ^2/NDF: 6782330.1/74

- sign 312.602+/-0.048 χ^2/NDF: 3548381.9/37

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.933+/-17.305 χ^2/NDF:26.0/20

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

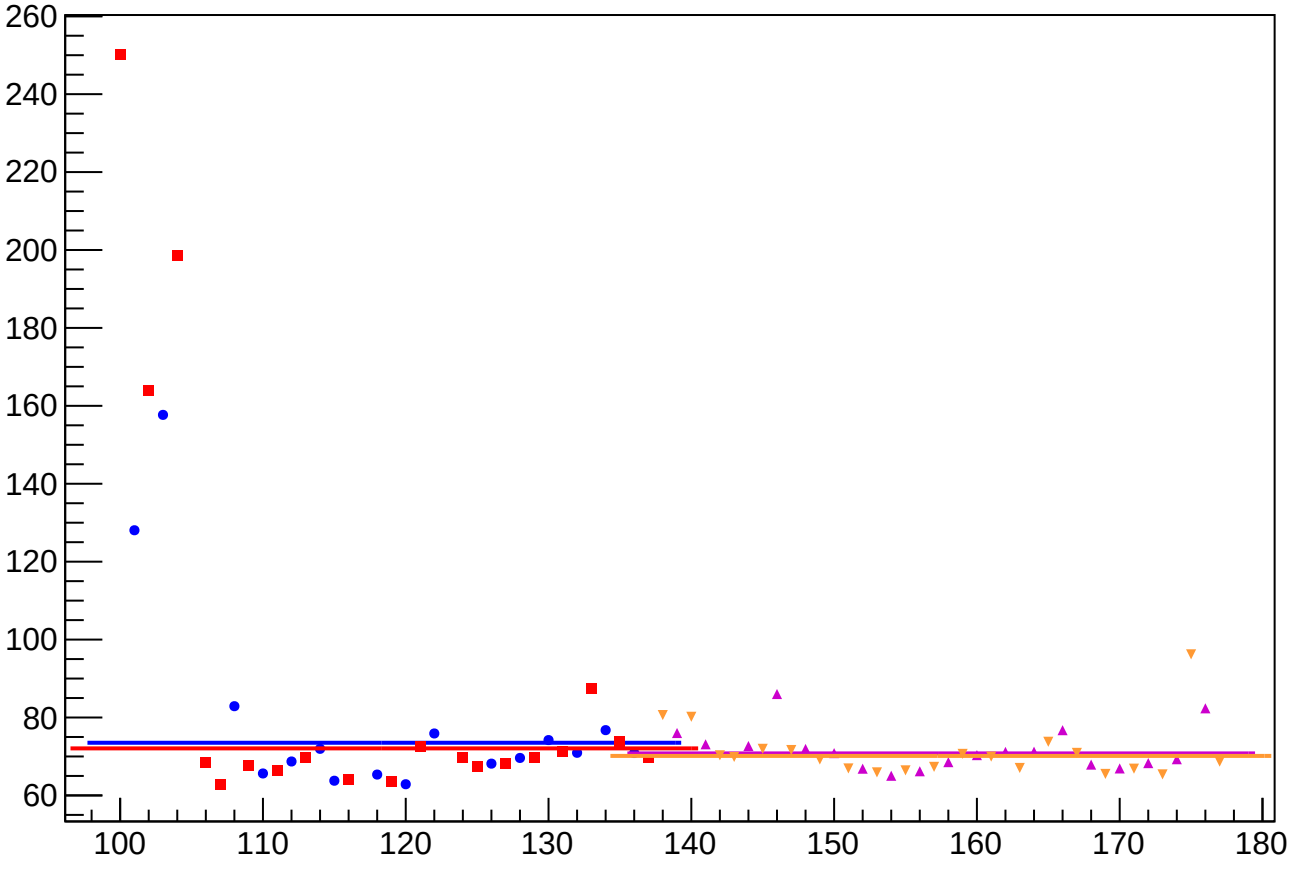
Left In: -104.414+/-18.081 χ^2/NDF:29.3/18

+ sign 59.503+/-14.733 χ^2/NDF: 54.8/36

All: 0.009+/-10.542 χ^2/NDF: 172.5/74

- sign -62.410+/-15.091 χ^2/NDF: 84.3/37

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.142+/-0.012 χ^2/NDF:219723.5/20

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

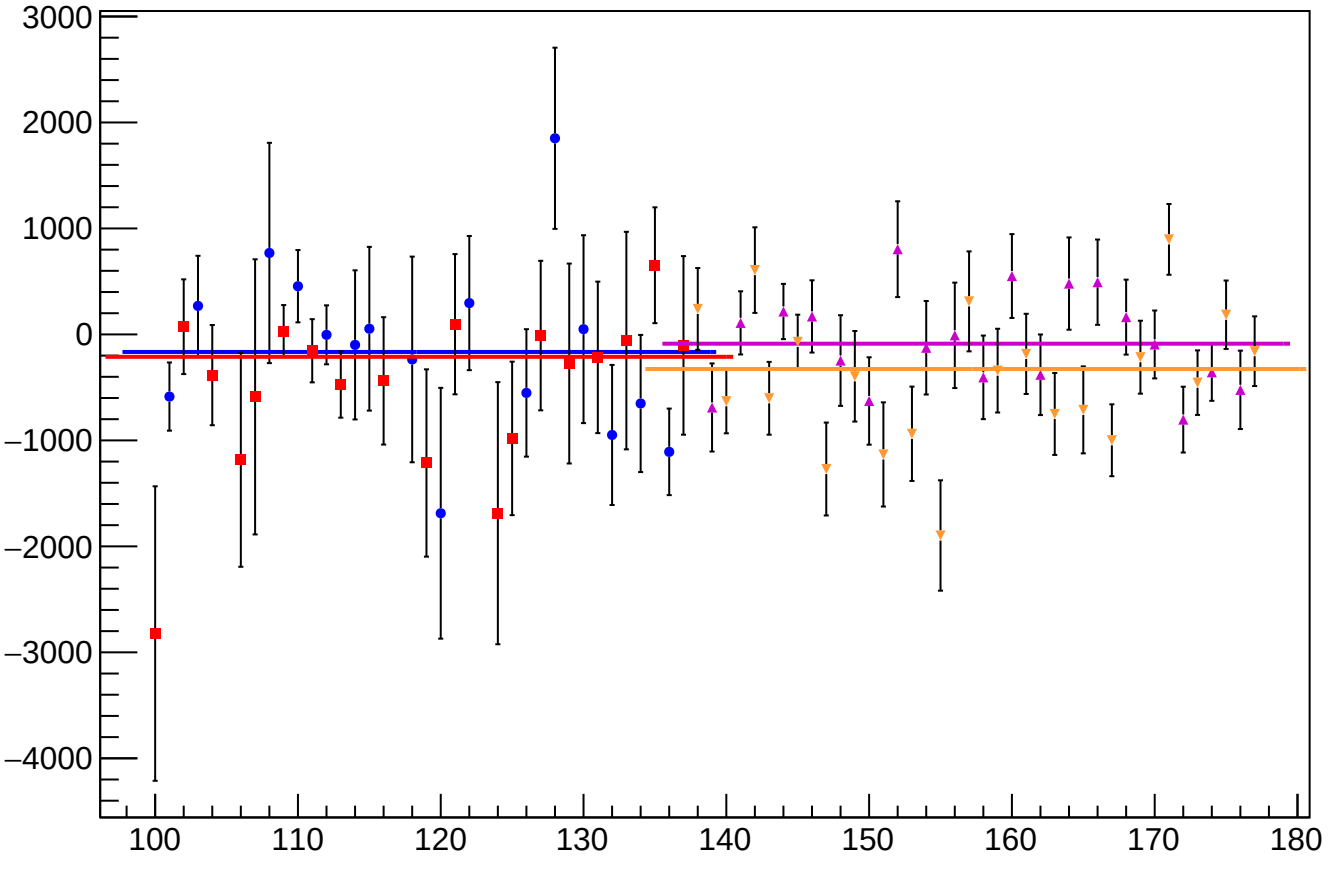
Left In: 70.784+/-0.013 χ^2/NDF:139113.0/18

+ sign 71.071+/-0.010 χ^2/NDF: 897527.7/36

All: 71.122+/-0.007 χ^2/NDF: 1998274.3/74

- sign 71.175+/-0.011 χ^2/NDF: 1100697.9/37

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -326.055+/-79.747 χ^2/NDF:53.0/20

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

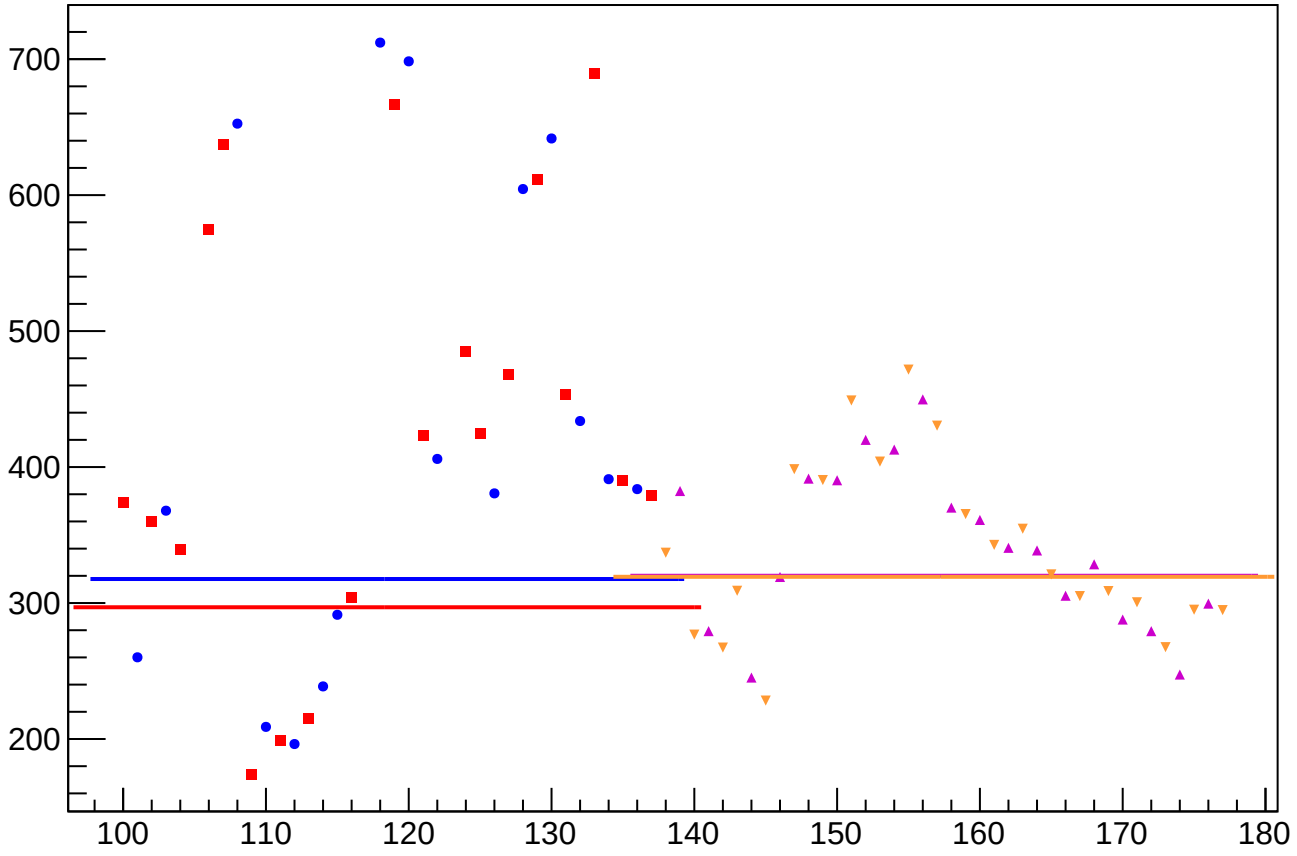
Left In: -87.447+/-82.709 χ^2/NDF:26.1/18

\+ sign -281.380+/-67.750 χ^2/NDF: 76.7/36

All: -204.761+/-48.038 χ^2/NDF: 119.7/74

\- sign -127.296+/-68.123 χ^2/NDF: 40.4/37

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 319.292+/-0.056 χ^2/NDF:1089098.2/20

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

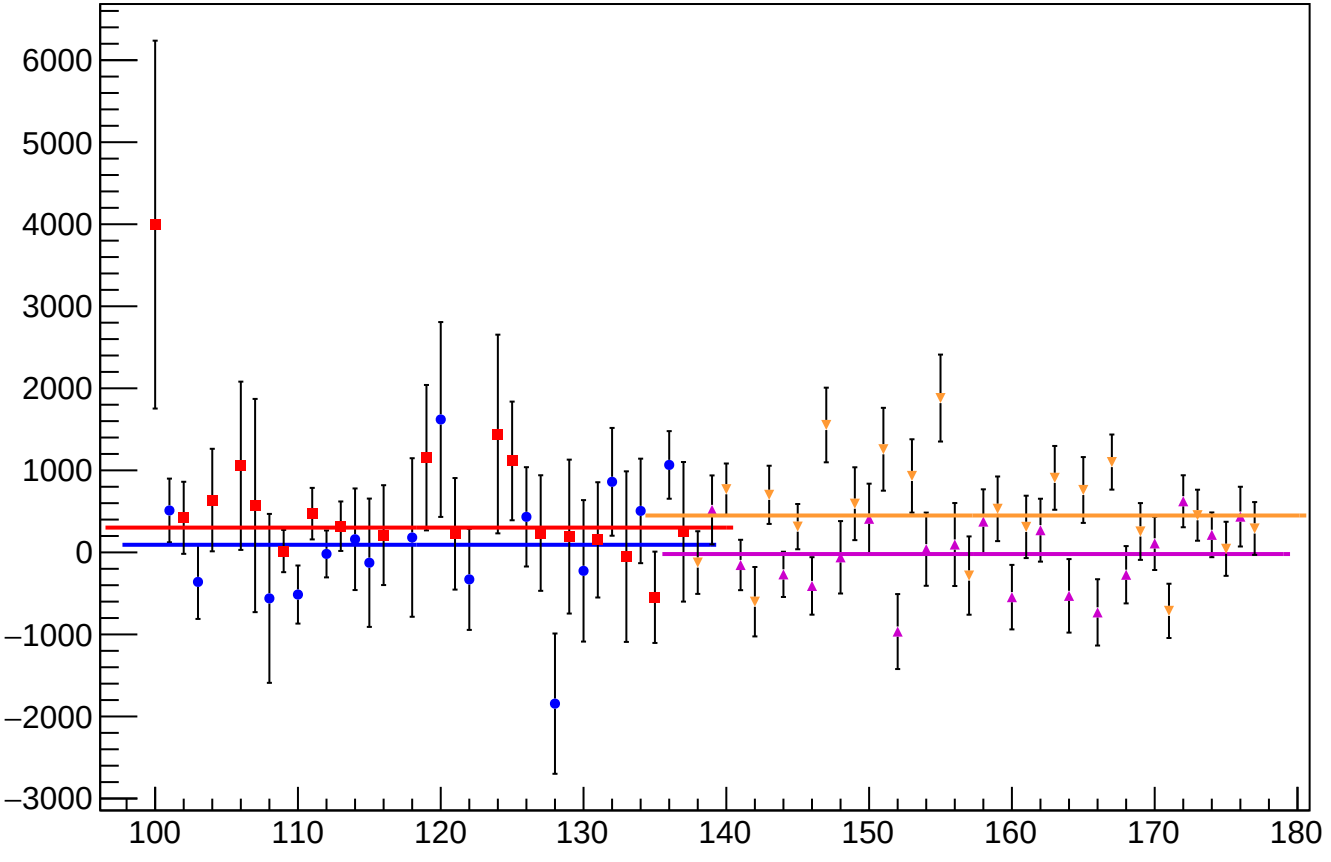
Left In: 320.051+/-0.058 χ^2/NDF:956889.8/18

+ sign 318.838+/-0.048 χ^2/NDF: 3225555.3/36

All: 315.737+/-0.034 χ^2/NDF: 6782383.0/74

- sign 312.601+/-0.048 χ^2/NDF: 3548398.6/37

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 449.790+/-81.049 χ^2/NDF:49.9/20

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

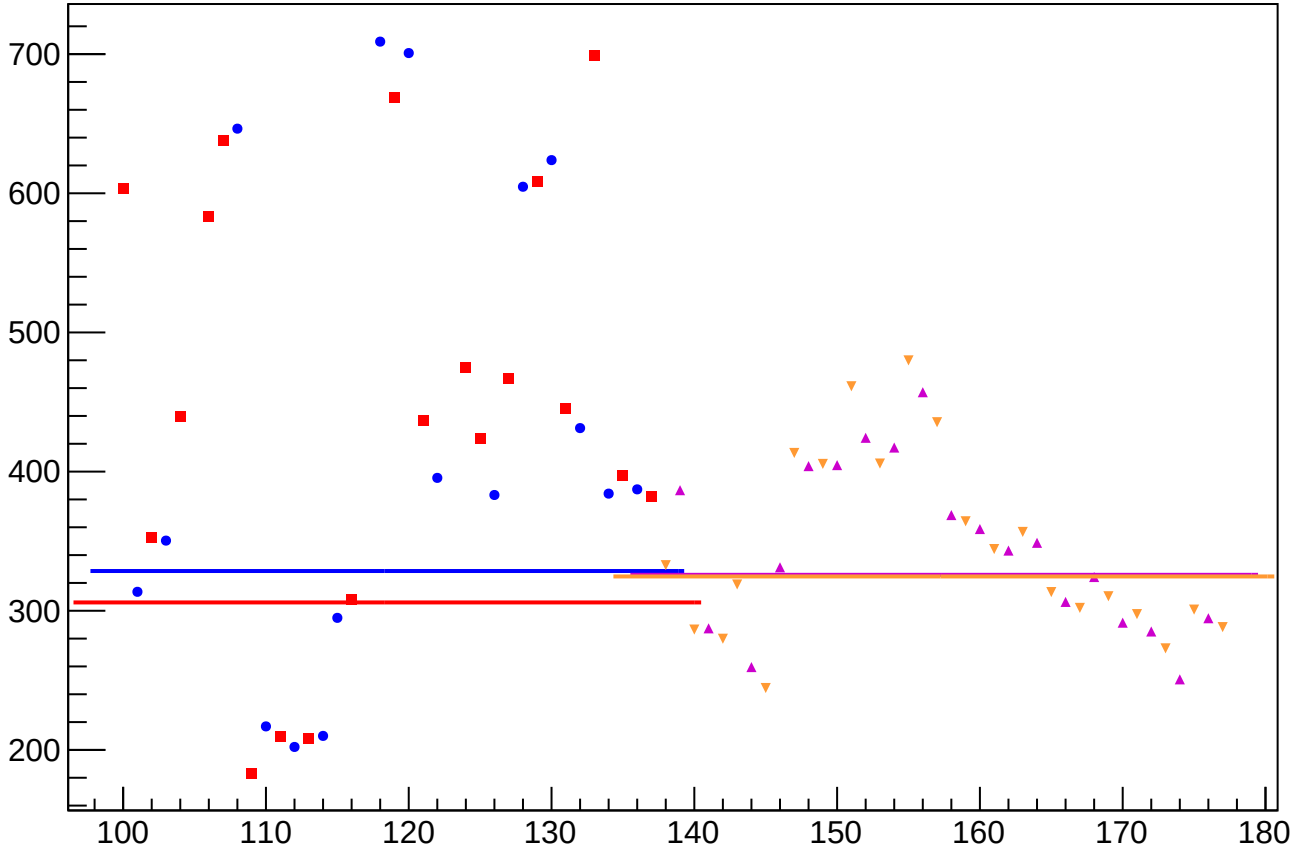
Left In: -20.103+/-84.102 χ^2/NDF:24.1/18

+ sign 351.973+/-69.058 χ^2/NDF: 76.1/36

All: 217.801+/-49.018 χ^2/NDF: 123.2/74

- sign 81.562+/-69.588 χ^2/NDF: 39.6/37

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 324.659+/-0.057 χ^2/NDF:1014455.8/20

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

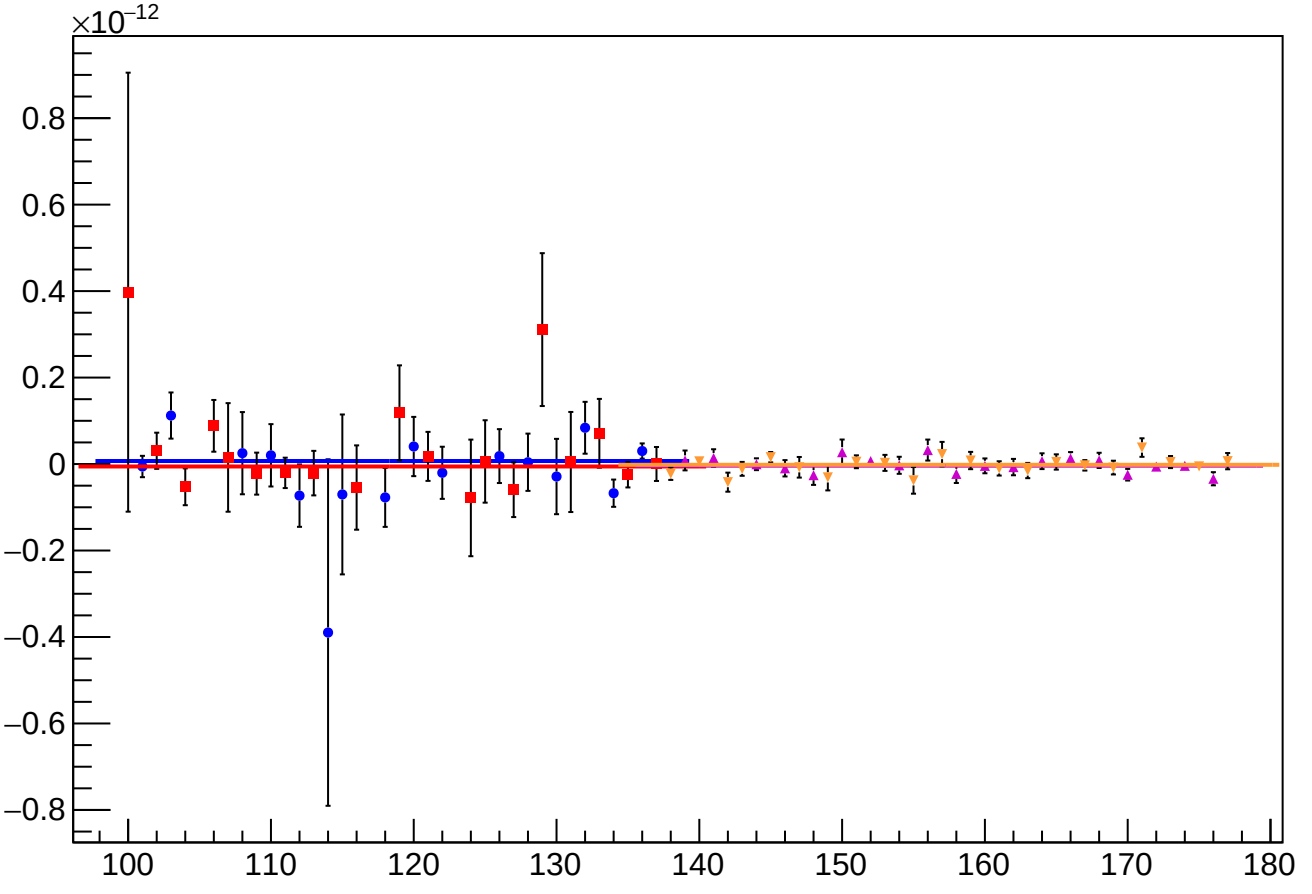
Left In: 325.829+/-0.059 χ^2/NDF:905306.8/18

+ sign 325.730+/-0.049 χ^2/NDF: 2974602.9/36

All: 322.674+/-0.035 χ^2/NDF: 6450366.5/74

- sign 319.572+/-0.049 χ^2/NDF: 3467873.1/37

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:17.2/20

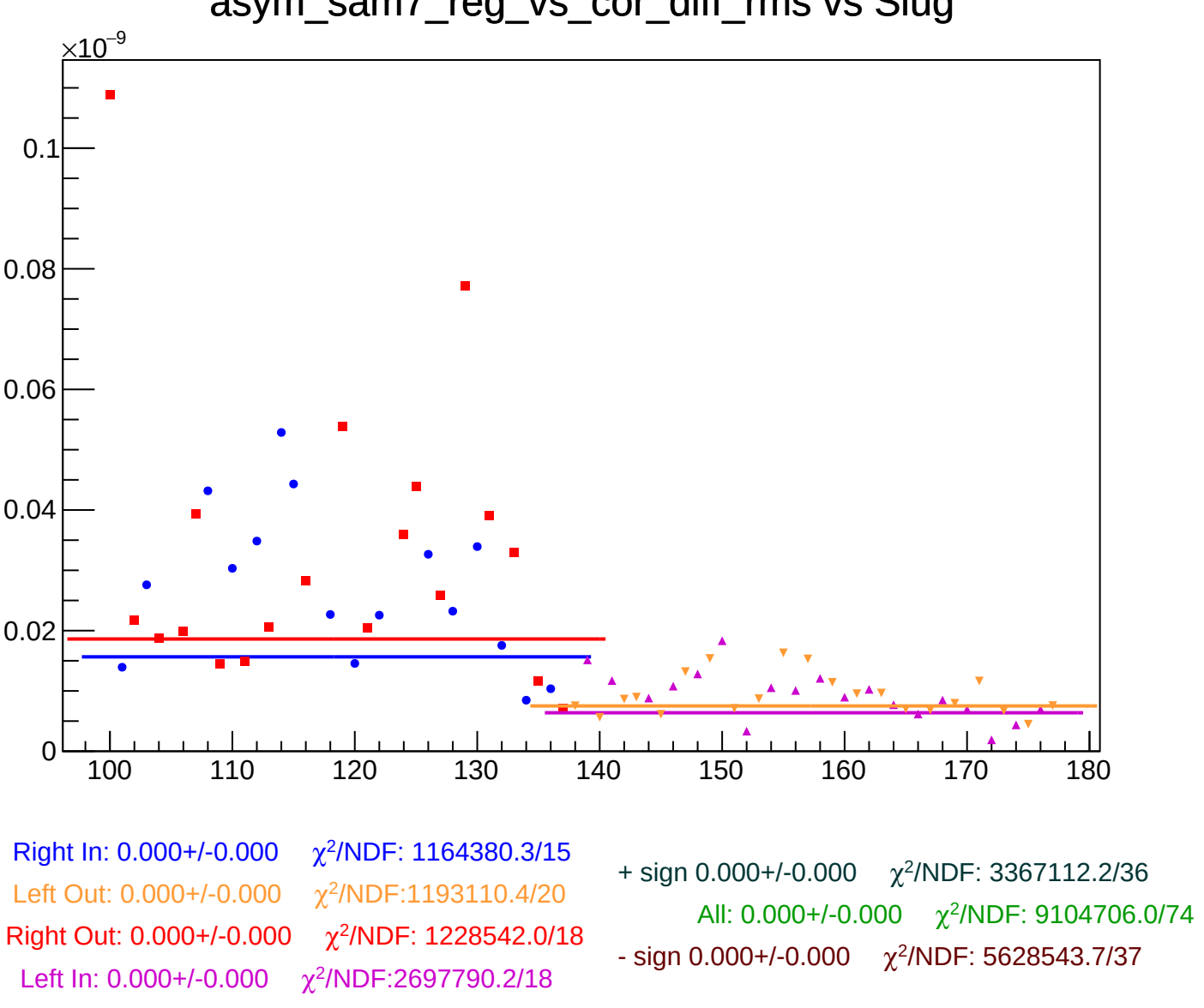
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/18

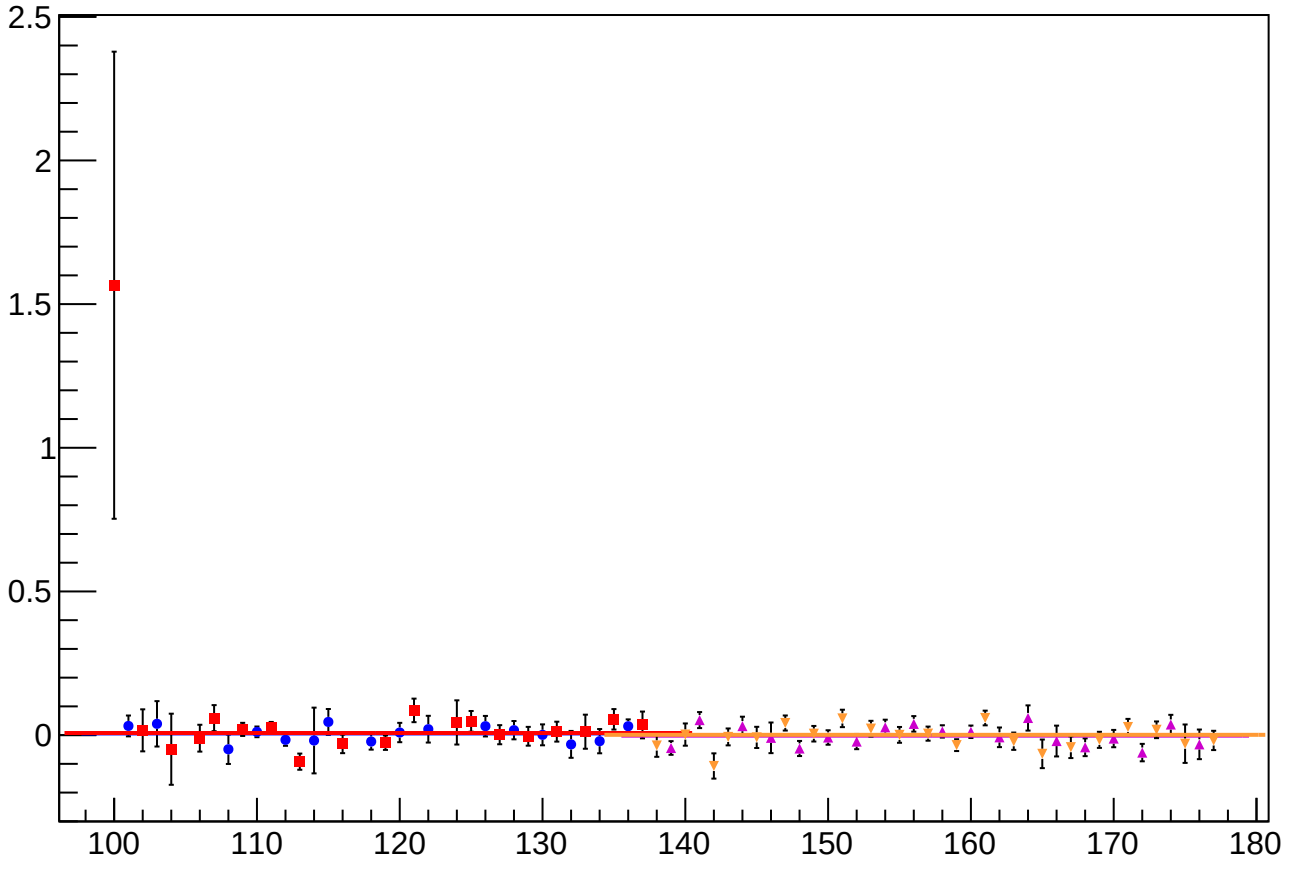
+ sign -0.000+/-0.000 χ^2/NDF: 35.5/36

All: -0.000+/-0.000 χ^2/NDF: 64.5/74

- sign -0.000+/-0.000 χ^2/NDF: 28.5/37


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:1193110.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:2697790.2/18
+ sign 0.000+/-0.000 χ²/NDF: 3367112.2/36
All: 0.000+/-0.000 χ²/NDF: 9104706.0/74
- sign 0.000+/-0.000 χ²/NDF: 5628543.7/37

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:27.9/20

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

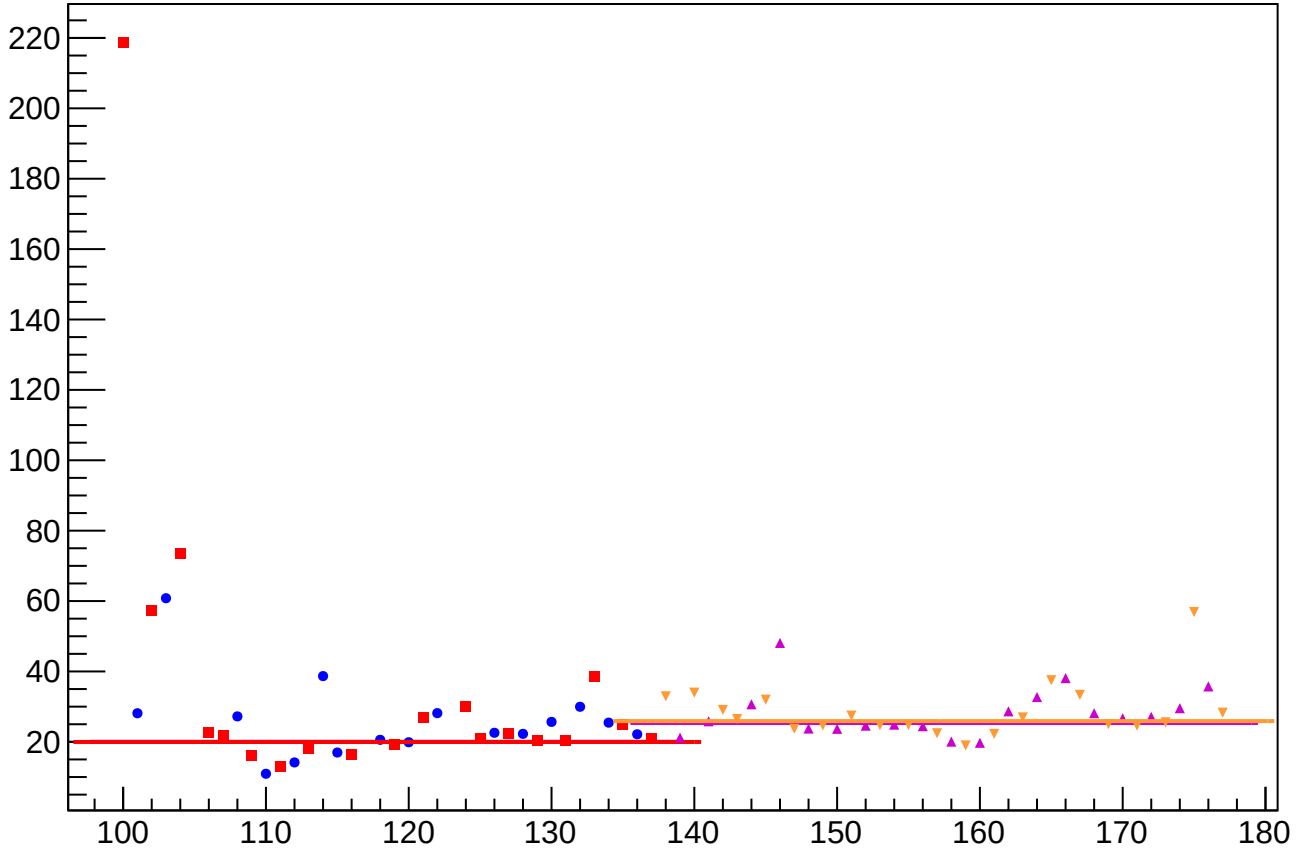
Left In: -0.002+/-0.007 χ^2/NDF:25.3/18

+ sign 0.003+/-0.005 χ^2/NDF: 36.0/36

All: 0.002+/-0.004 χ^2/NDF: 91.9/74

- sign 0.002+/-0.005 χ^2/NDF: 55.9/37

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187585.2/20

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

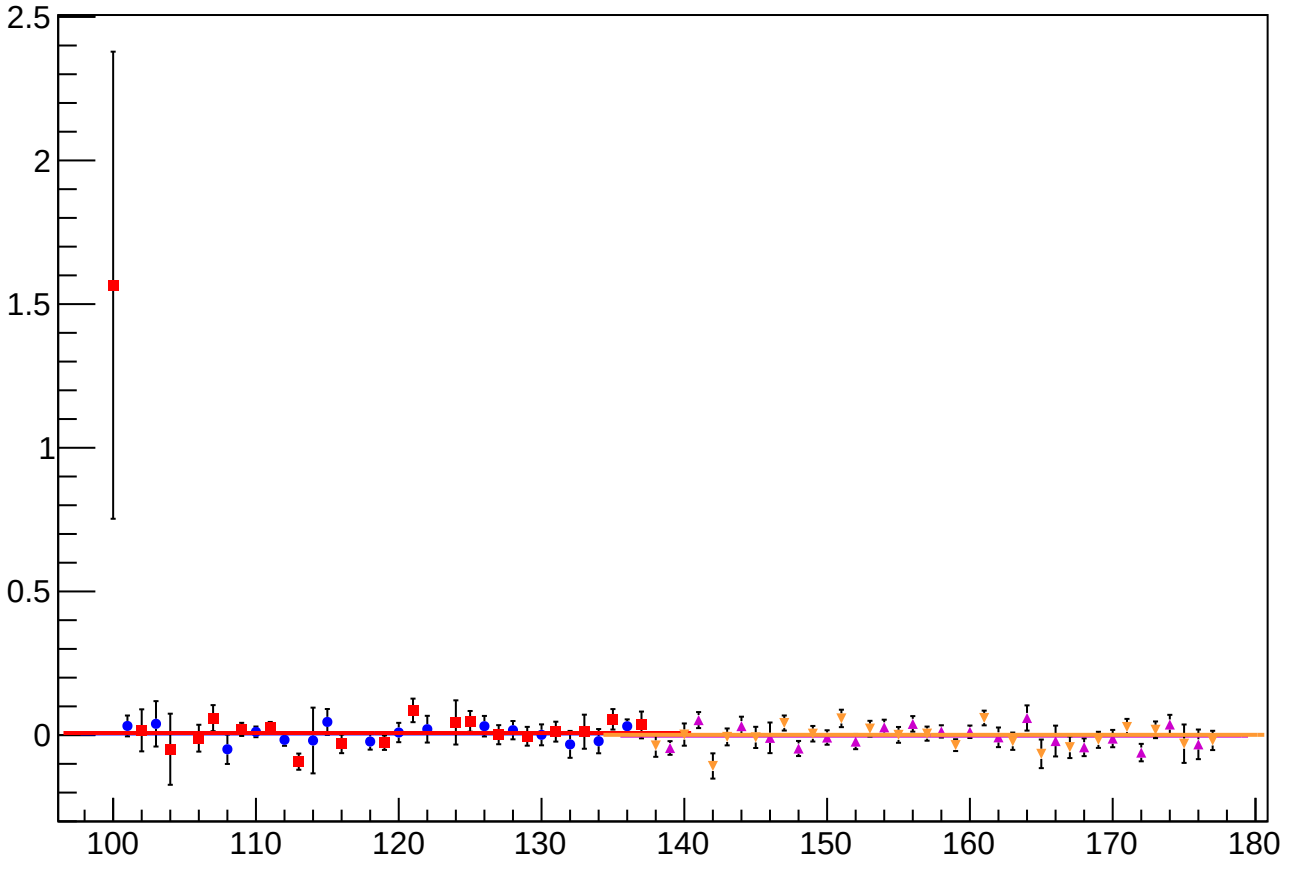
Left In: 25.358+/-0.005 χ^2/NDF:1081712.5/18

+ sign 23.560+/-0.004 χ^2/NDF: 3457875.2/36

All: 23.358+/-0.003 χ^2/NDF: 6787988.2/74

- sign 23.153+/-0.004 χ^2/NDF: 3323883.7/37

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:27.9/20

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

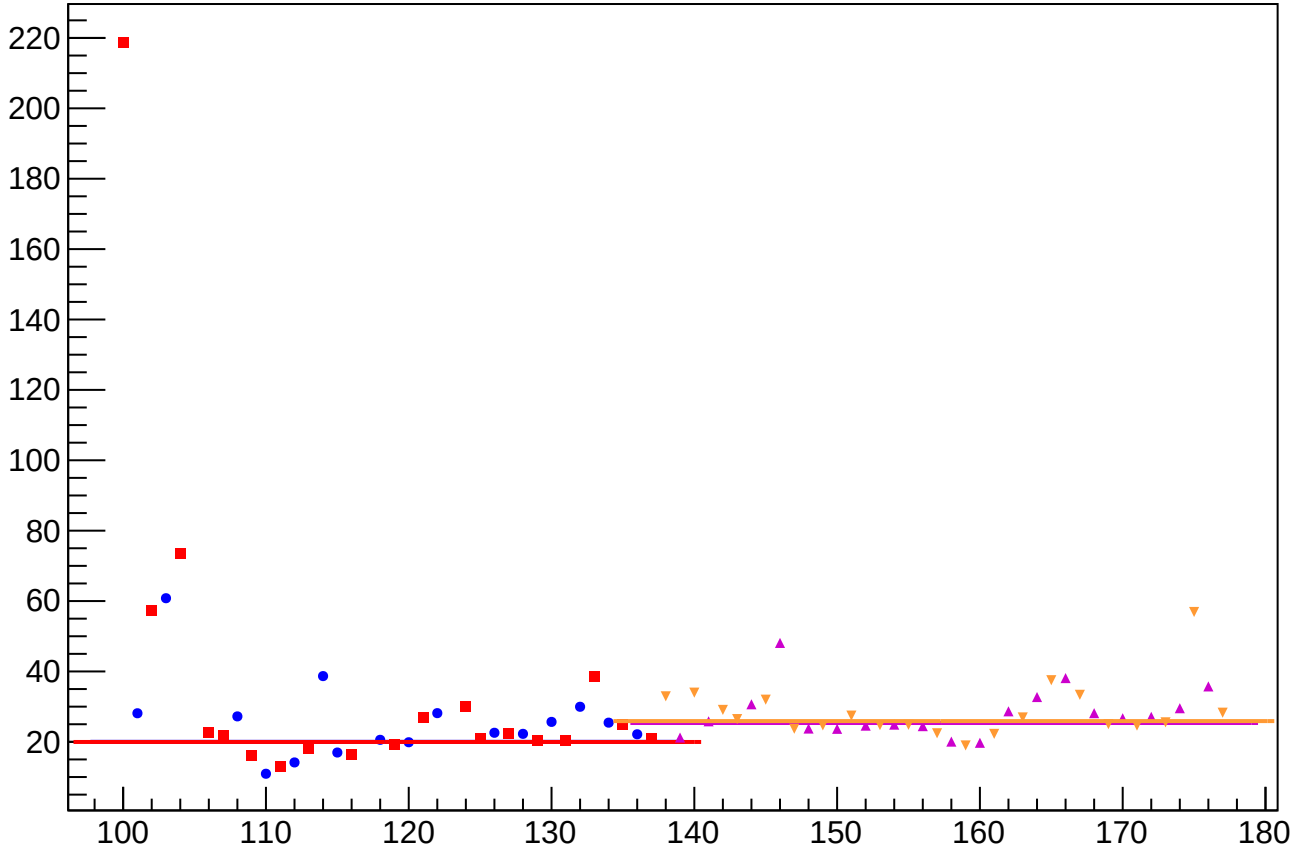
Left In: -0.002+/-0.007 χ^2/NDF:25.3/18

+ sign 0.003+/-0.005 χ^2/NDF: 36.0/36

All: 0.002+/-0.004 χ^2/NDF: 91.9/74

- sign 0.002+/-0.005 χ^2/NDF: 55.9/37

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187585.2/20

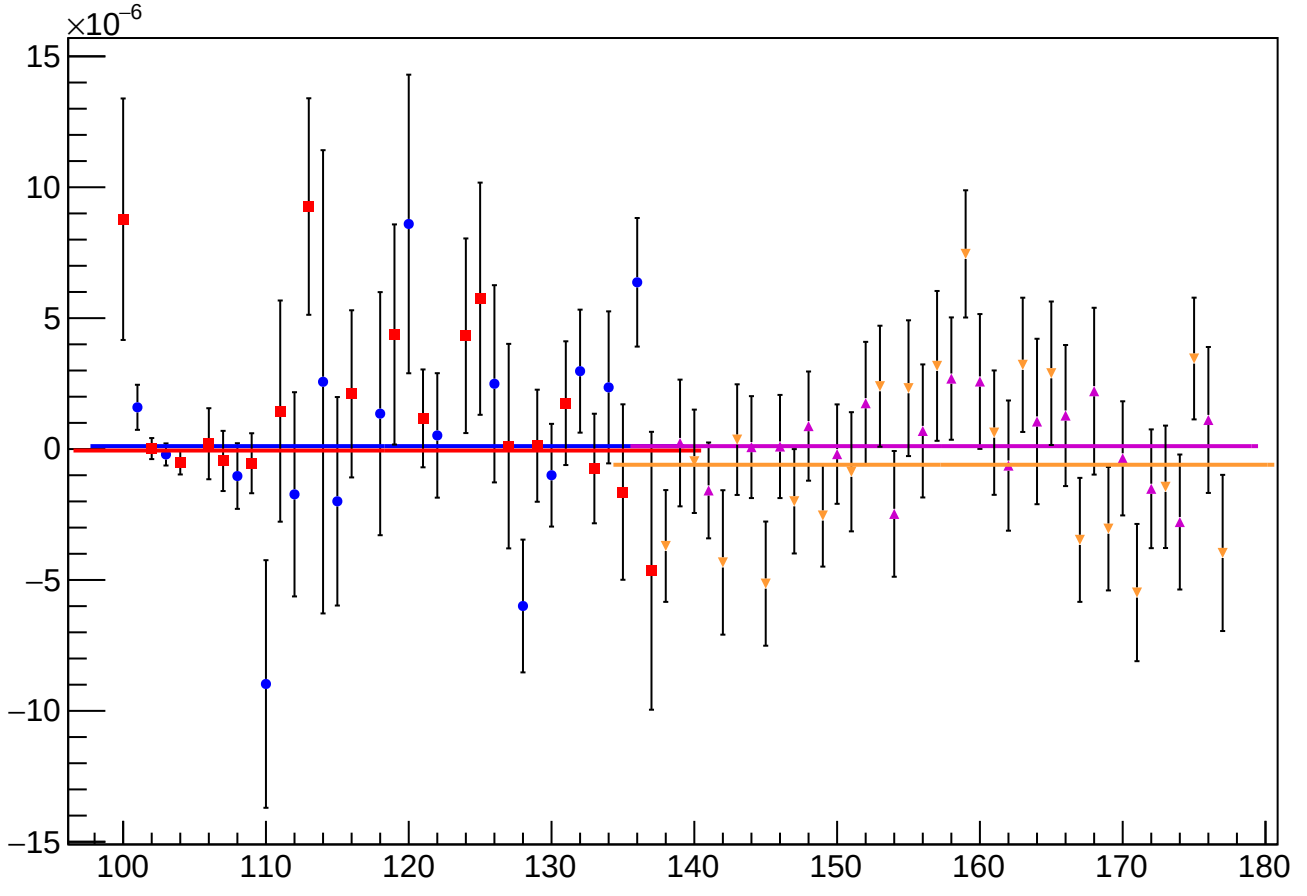
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.358+/-0.005 χ^2/NDF:1081712.5/18

+ sign 23.560+/-0.004 χ^2/NDF: 3457875.2/36

All: 23.358+/-0.003 χ^2/NDF: 6787988.2/74

- sign 23.153+/-0.004 χ^2/NDF: 3323883.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/20

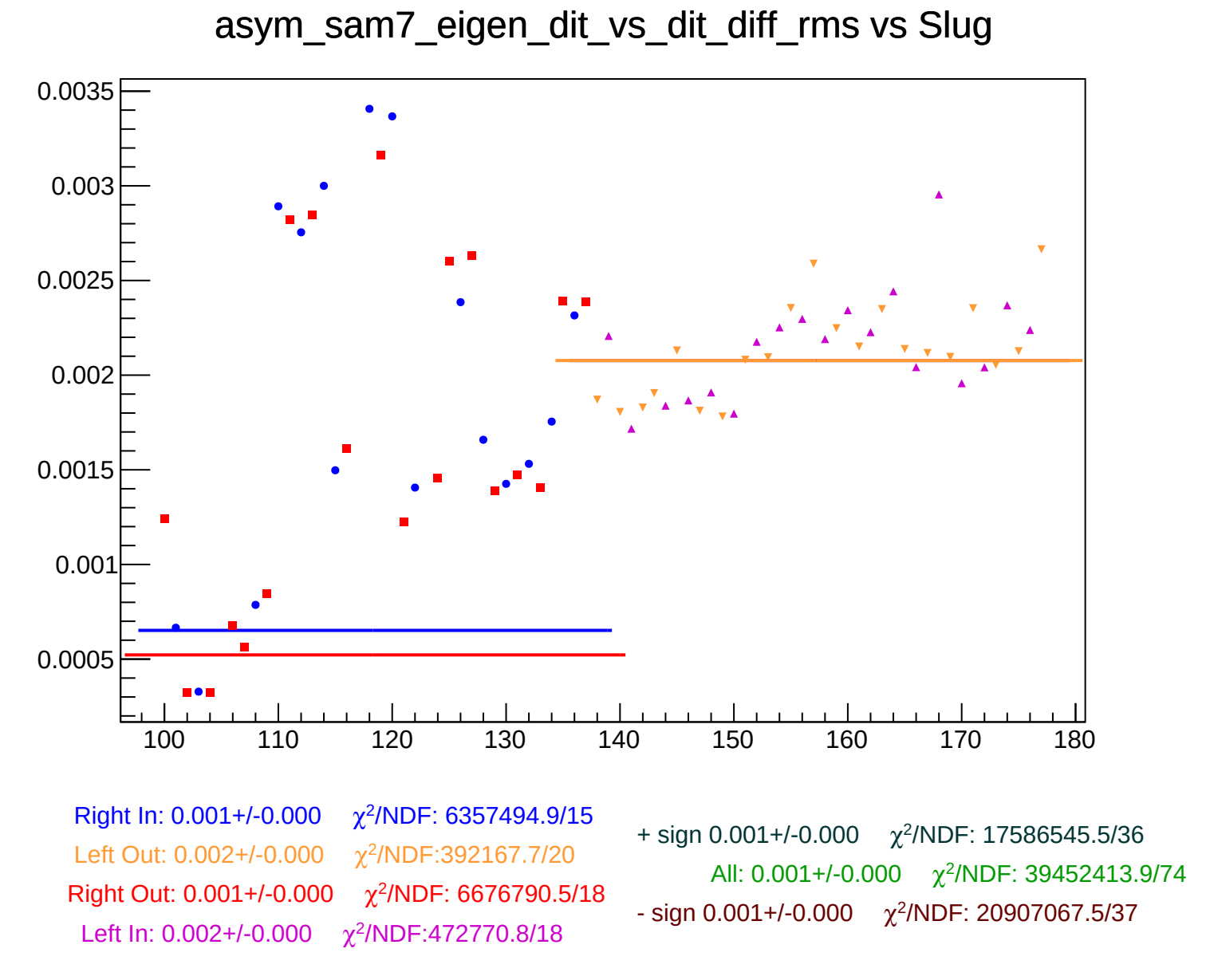
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/18

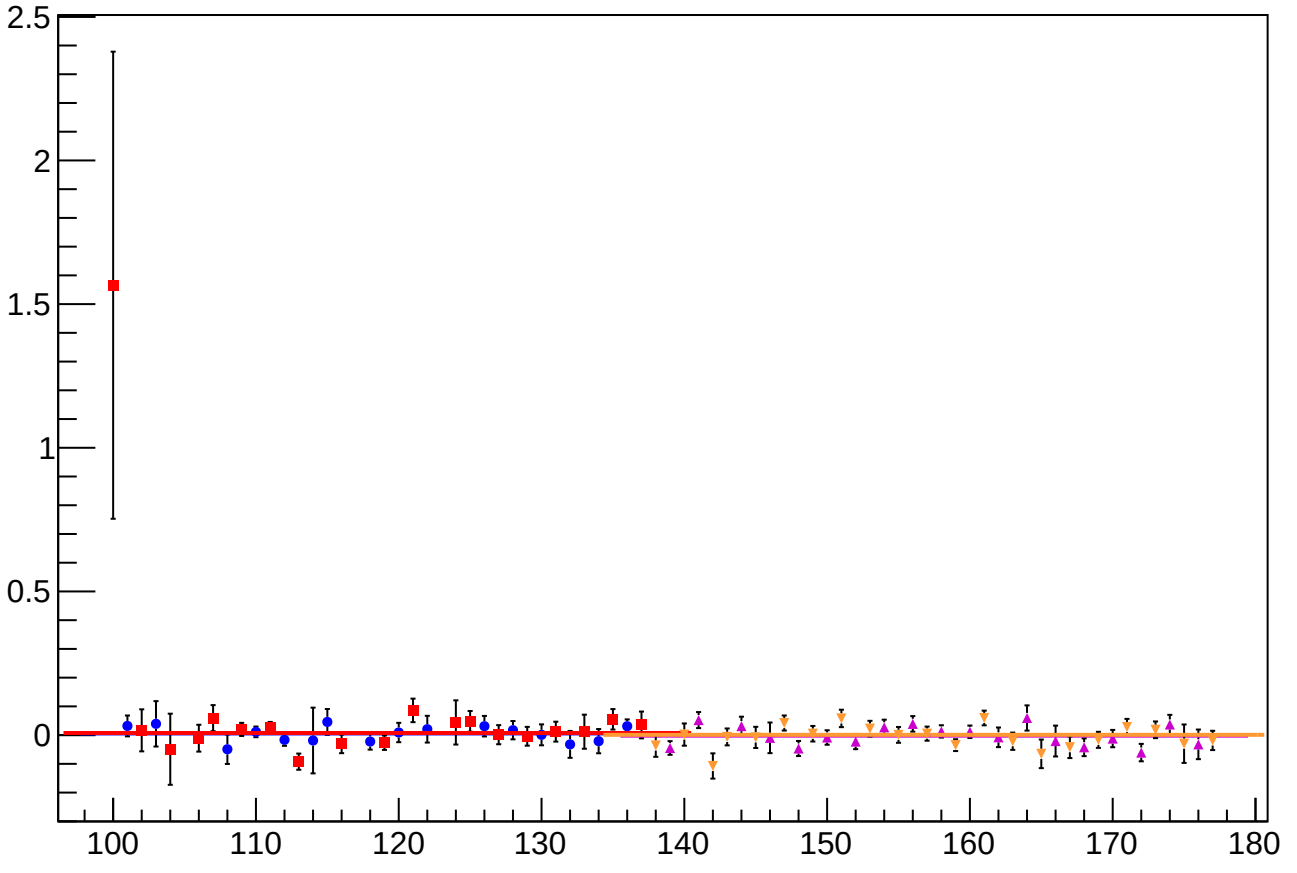
+ sign -0.000+/-0.000 χ^2/NDF: 67.0/36

All: -0.000+/-0.000 χ^2/NDF: 91.8/74

- sign -0.000+/-0.000 χ^2/NDF: 24.8/37


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:392167.7/20
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:472770.8/18
+ sign 0.001+/-0.000 χ²/NDF: 17586545.5/36
All: 0.001+/-0.000 χ²/NDF: 39452413.9/74
- sign 0.001+/-0.000 χ²/NDF: 20907067.5/37

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:27.9/20

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

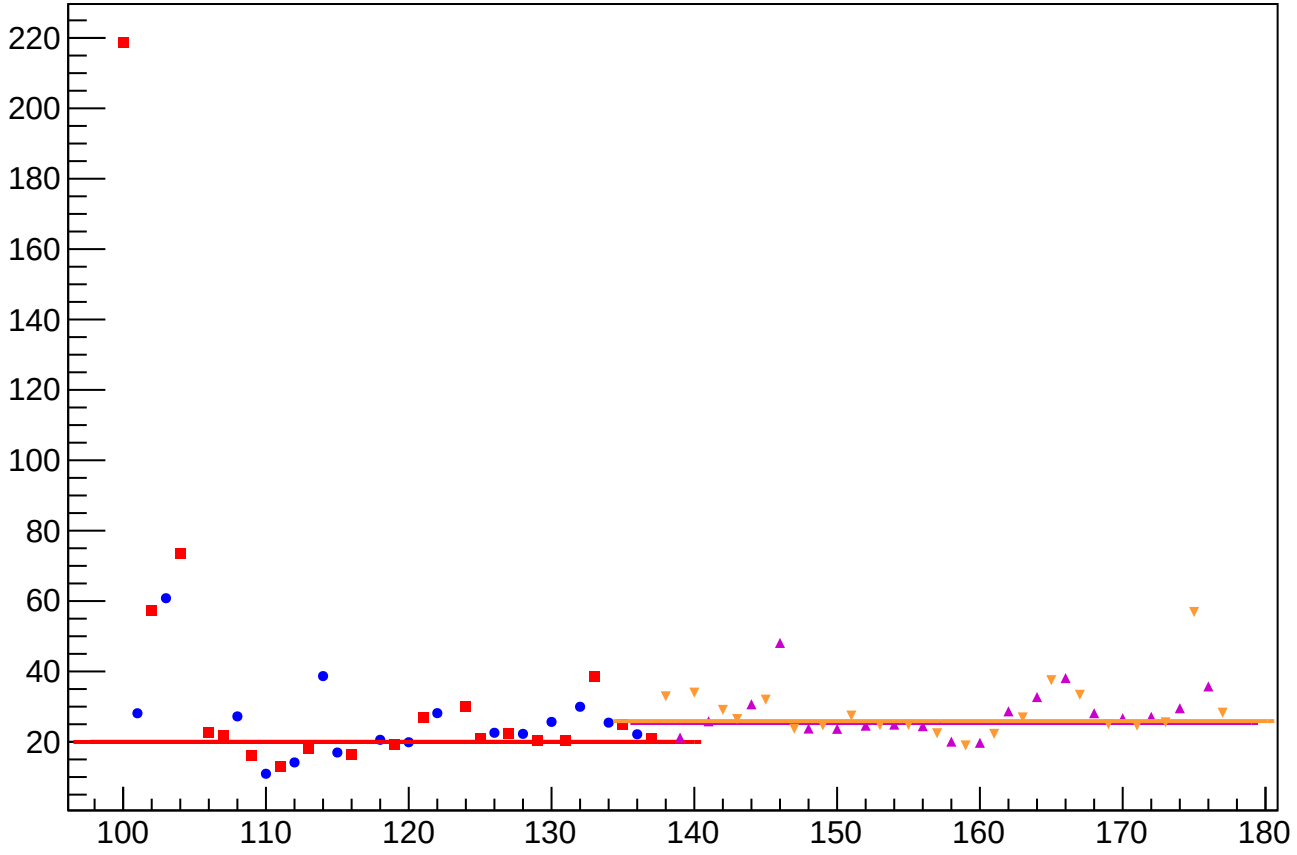
Left In: -0.002+/-0.007 χ^2/NDF:25.3/18

+ sign 0.003+/-0.005 χ^2/NDF: 36.0/36

All: 0.002+/-0.004 χ^2/NDF: 91.9/74

- sign 0.002+/-0.005 χ^2/NDF: 55.9/37

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187636.2/20

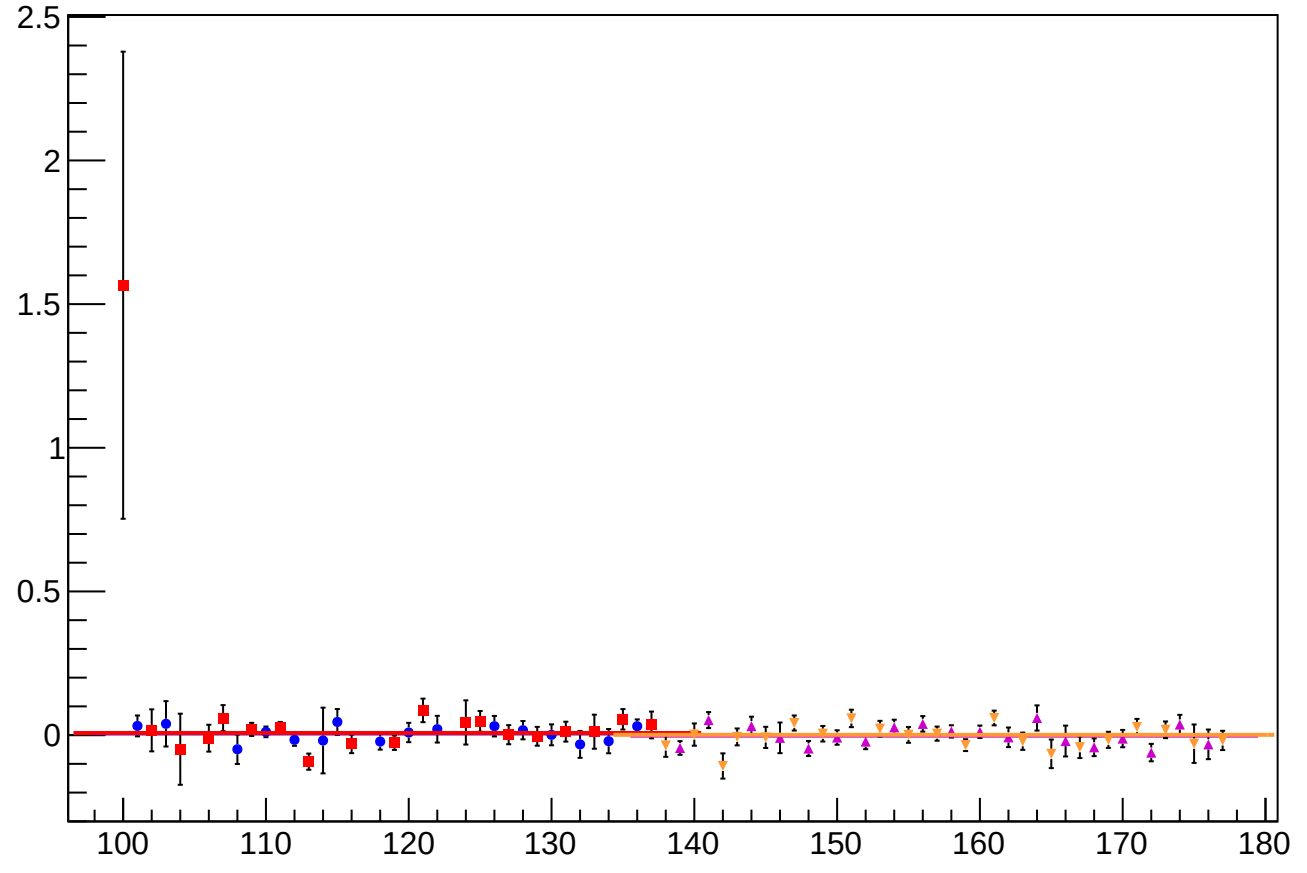
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.358+/-0.005 χ^2/NDF:1081774.1/18

+ sign 23.560+/-0.004 χ^2/NDF: 3457641.9/36

All: 23.358+/-0.003 χ^2/NDF: 6787725.4/74

- sign 23.153+/-0.004 χ^2/NDF: 3323848.6/37



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.9/20

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

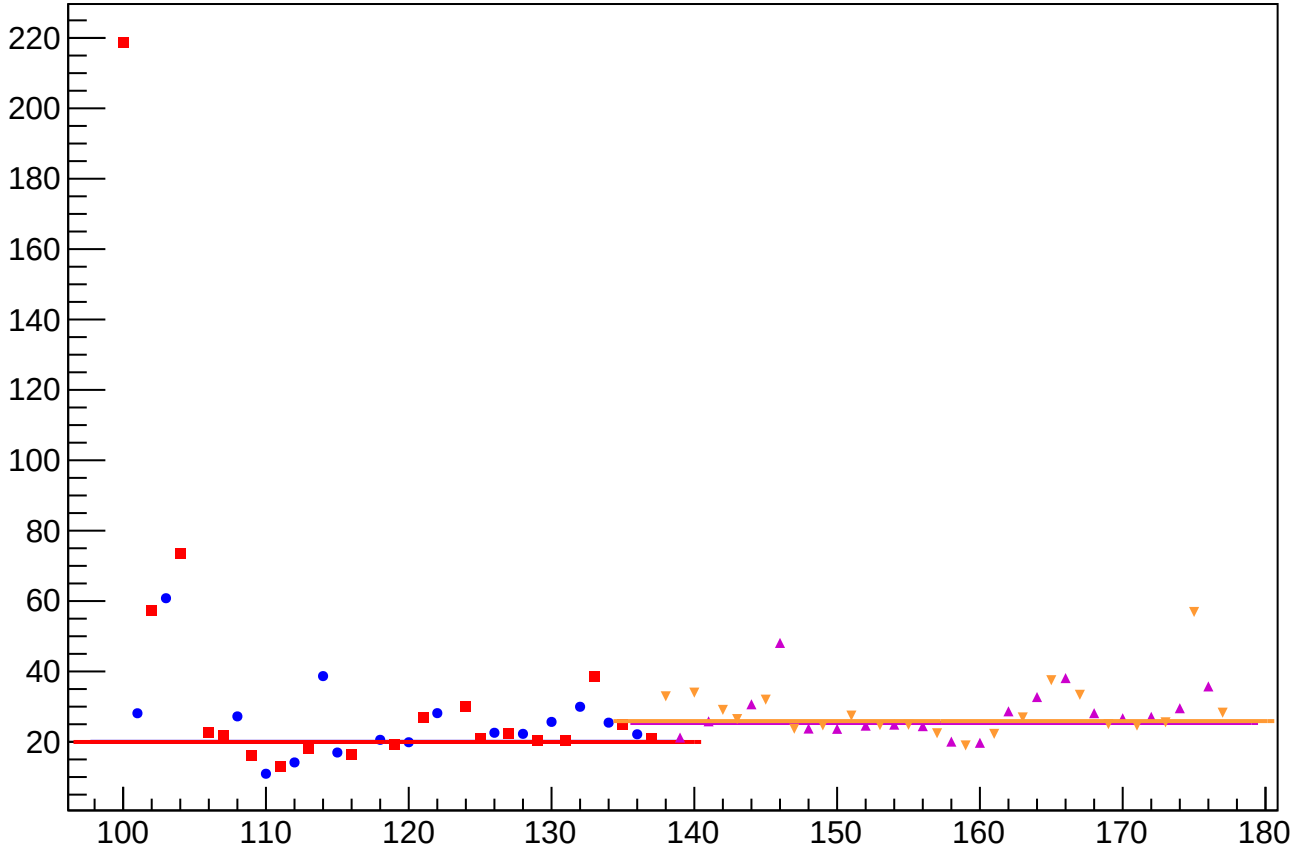
Left In: -0.002+/-0.007 χ^2/NDF:25.3/18

+ sign 0.003+/-0.005 χ^2/NDF: 36.0/36

All: 0.002+/-0.004 χ^2/NDF: 91.9/74

- sign 0.002+/-0.005 χ^2/NDF: 55.9/37

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: 25.894+/-0.005 χ^2/NDF:1187636.2/20

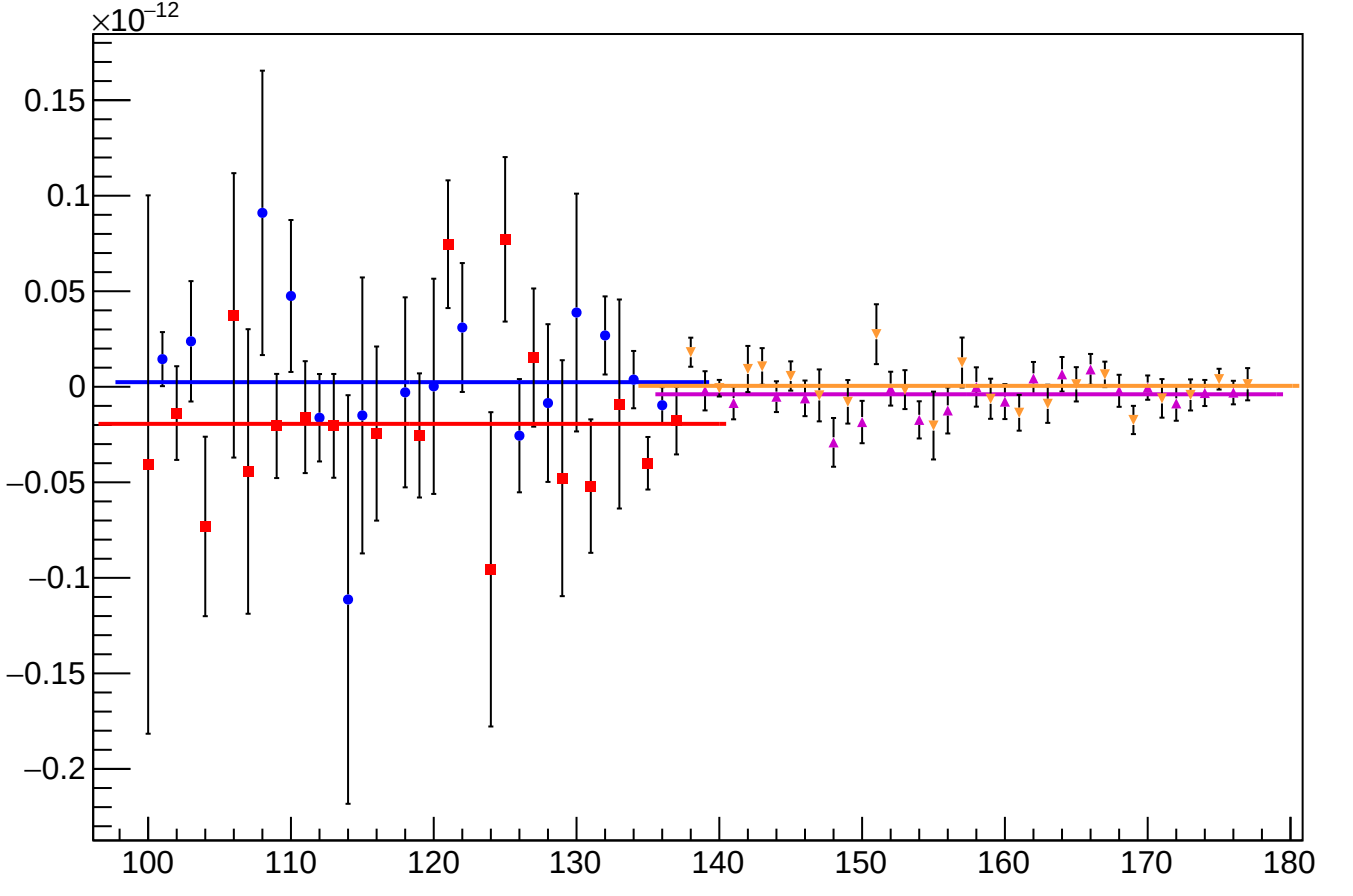
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.358+/-0.005 χ^2/NDF:1081774.1/18

+ sign 23.560+/-0.004 χ^2/NDF: 3457641.9/36

All: 23.358+/-0.003 χ^2/NDF: 6787725.4/74

- sign 23.153+/-0.004 χ^2/NDF: 3323848.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

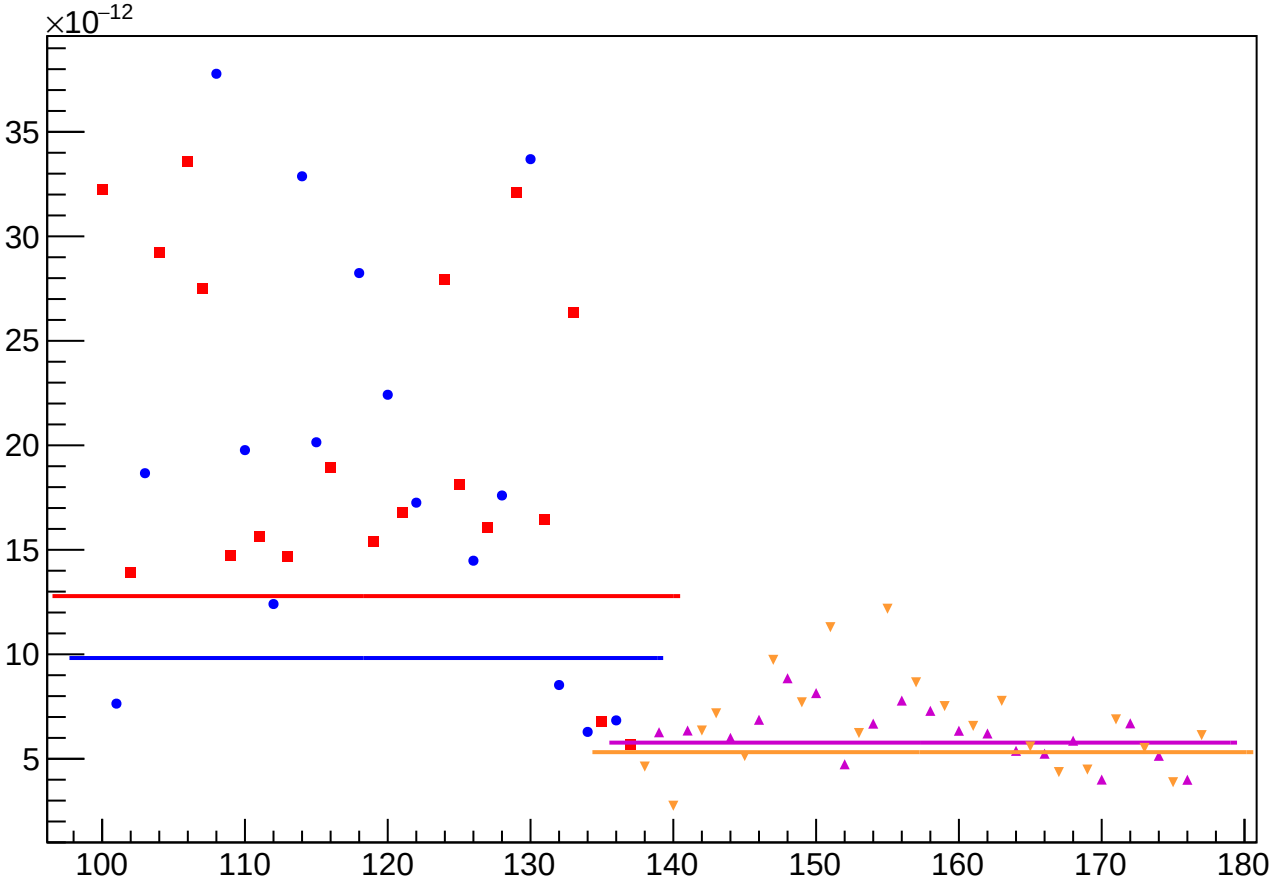
Left In: -0.000+/-0.000 χ^2/NDF:14.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 35.9/36

All: -0.000+/-0.000 χ^2/NDF: 79.8/74

- sign -0.000+/-0.000 χ^2/NDF: 39.0/37

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2360983.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

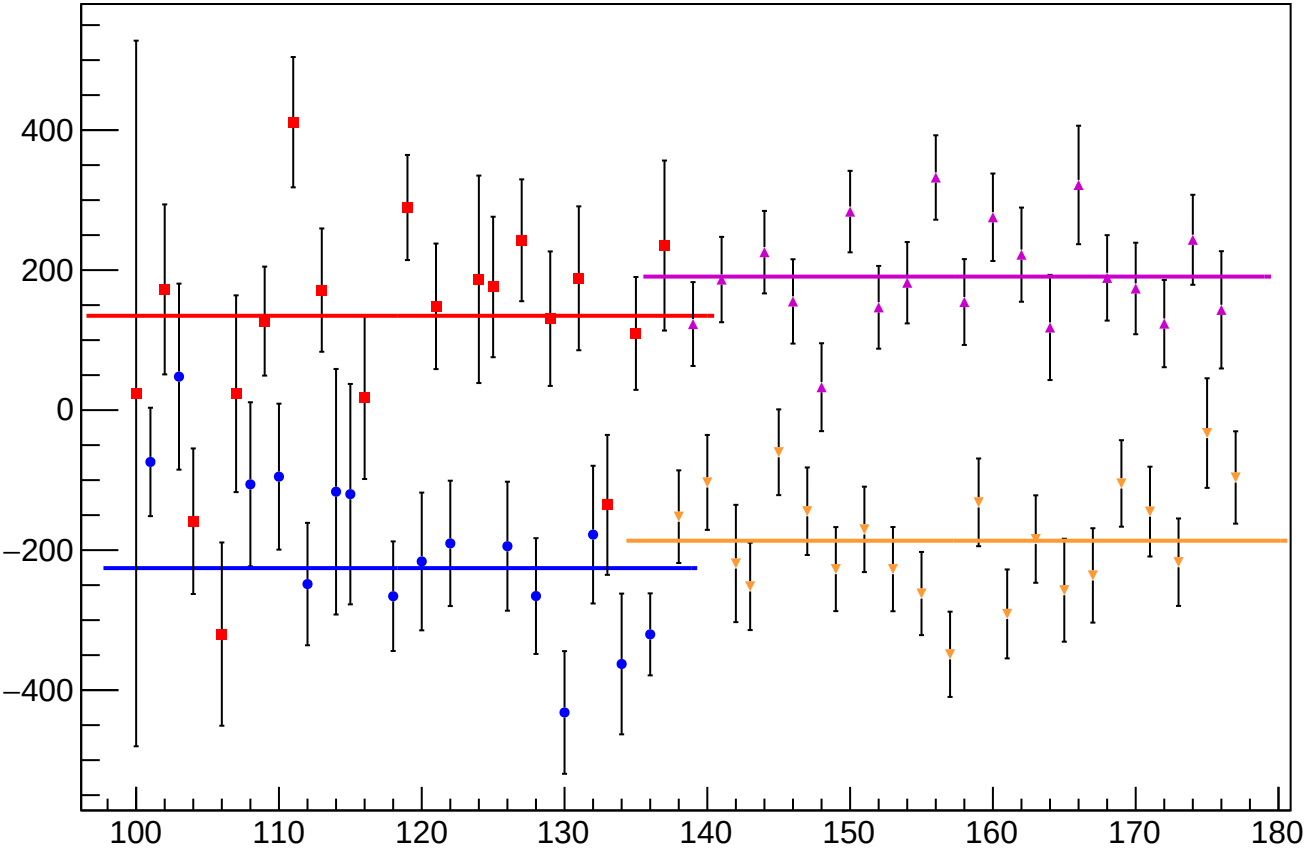
Left In: 0.000+/-0.000 χ^2/NDF:779033.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 5465227.2/36

All: 0.000+/-0.000 χ^2/NDF: 9962612.4/74

- sign 0.000+/-0.000 χ^2/NDF: 4408207.1/37

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -186.551+/-14.057 χ^2/NDF:30.5/20

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

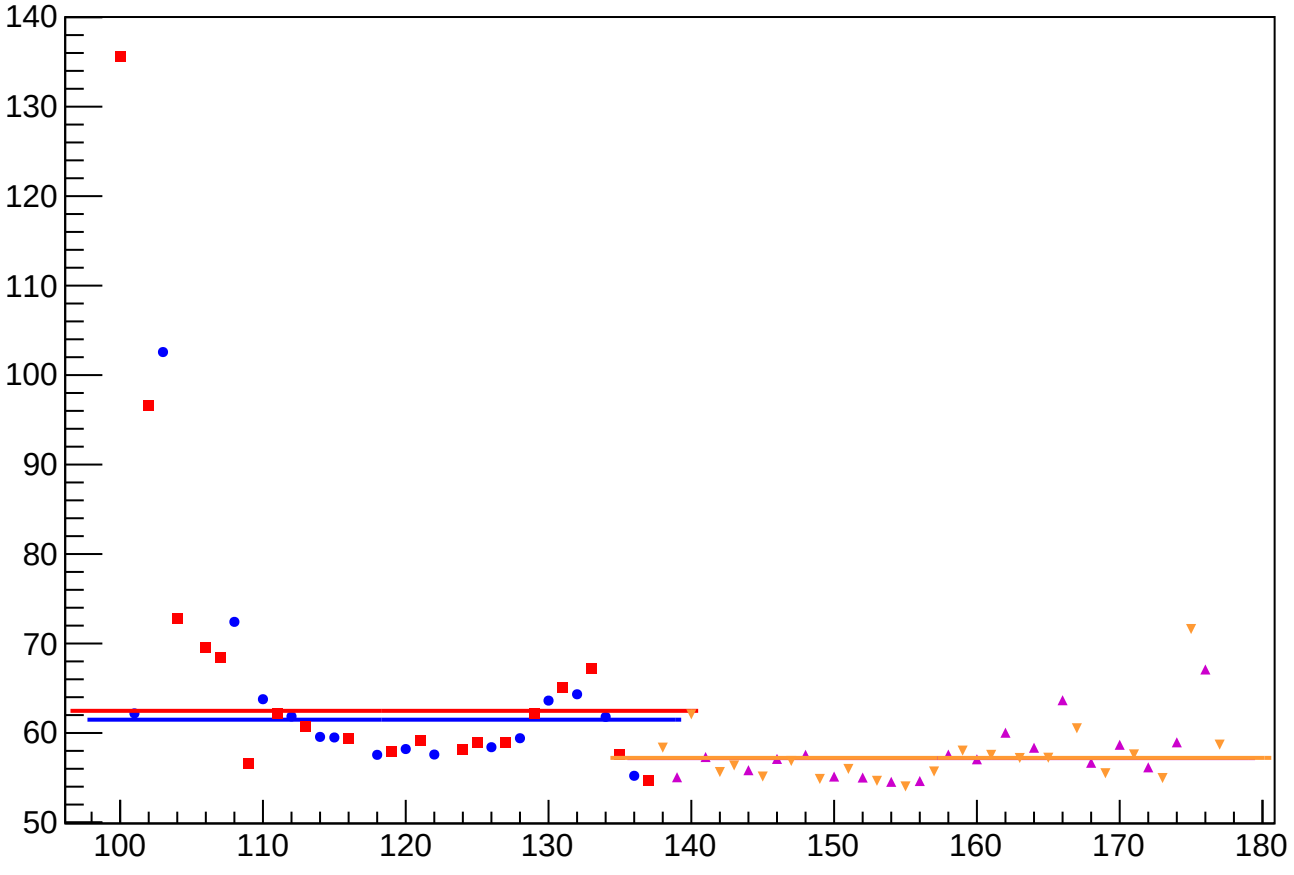
Left In: 190.744+/-14.553 χ^2/NDF:24.9/18

+ sign -197.116+/-12.011 χ^2/NDF: 55.2/36

All: -15.925+/-8.602 χ^2/NDF: 596.8/74

- sign 174.928+/-12.327 χ^2/NDF: 74.3/37

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.217+/-0.010 χ^2/NDF:107029.9/20

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

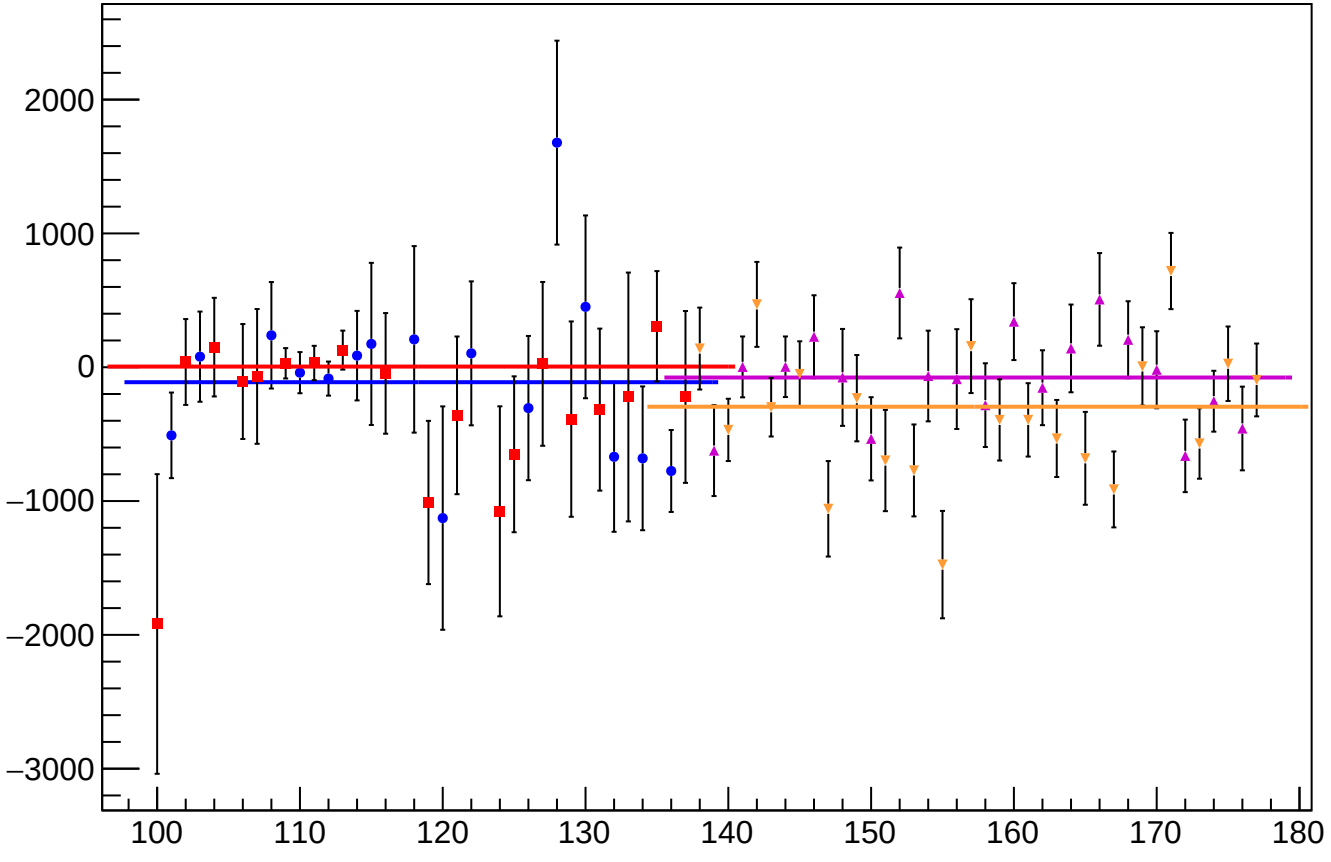
Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

+ sign 58.369+/-0.008 χ^2/NDF: 407481.3/36

All: 58.523+/-0.006 χ^2/NDF: 827473.7/74

- sign 58.684+/-0.009 χ^2/NDF: 419324.5/37

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -295.146+/-63.788 χ^2/NDF:50.9/20

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

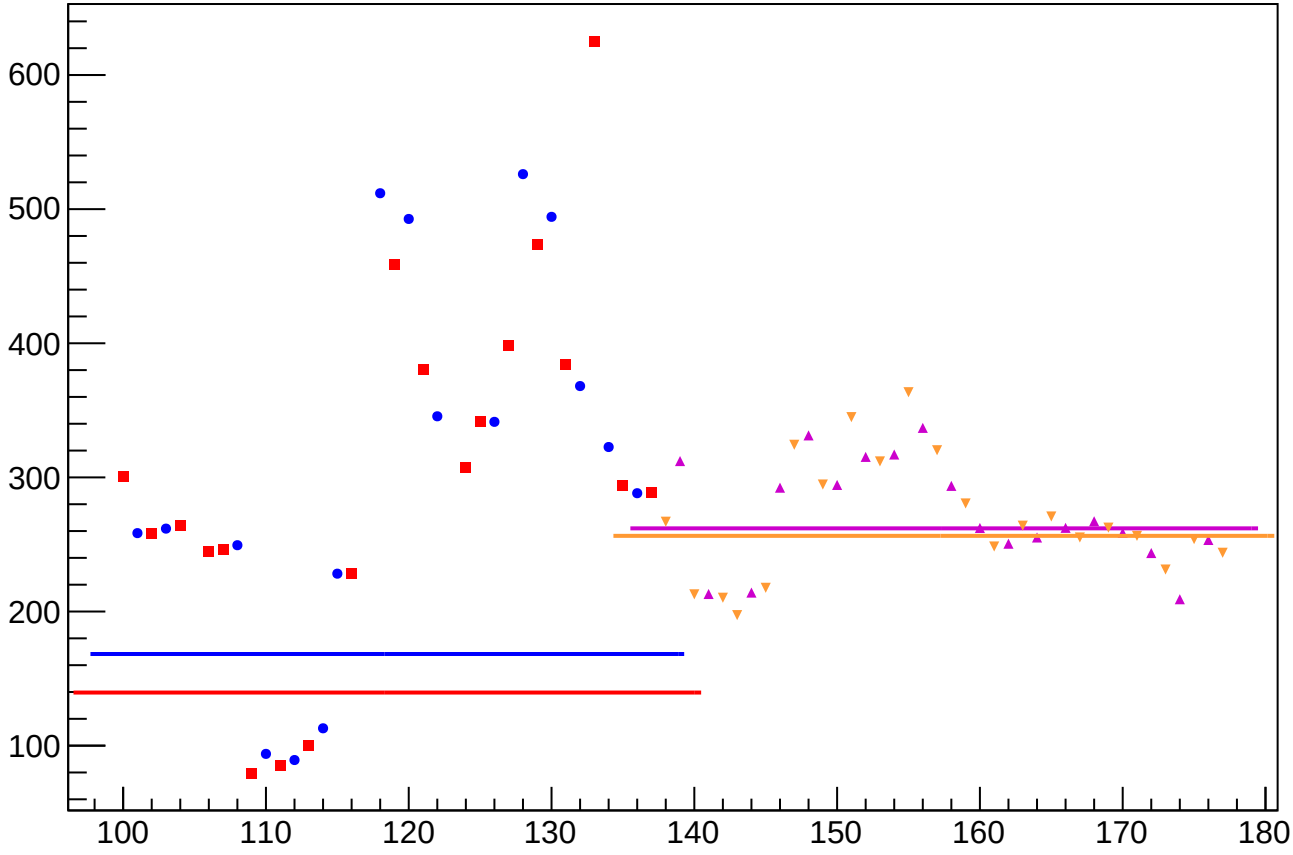
Left In: -76.848+/-67.338 χ^2/NDF:23.1/18

+ sign -219.652+/-48.916 χ^2/NDF: 72.8/36

All: -121.784+/-33.650 χ^2/NDF: 115.9/74

- sign -33.859+/-46.364 χ^2/NDF: 35.5/37

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 256.421+/-0.045 χ^2/NDF:824562.6/20

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

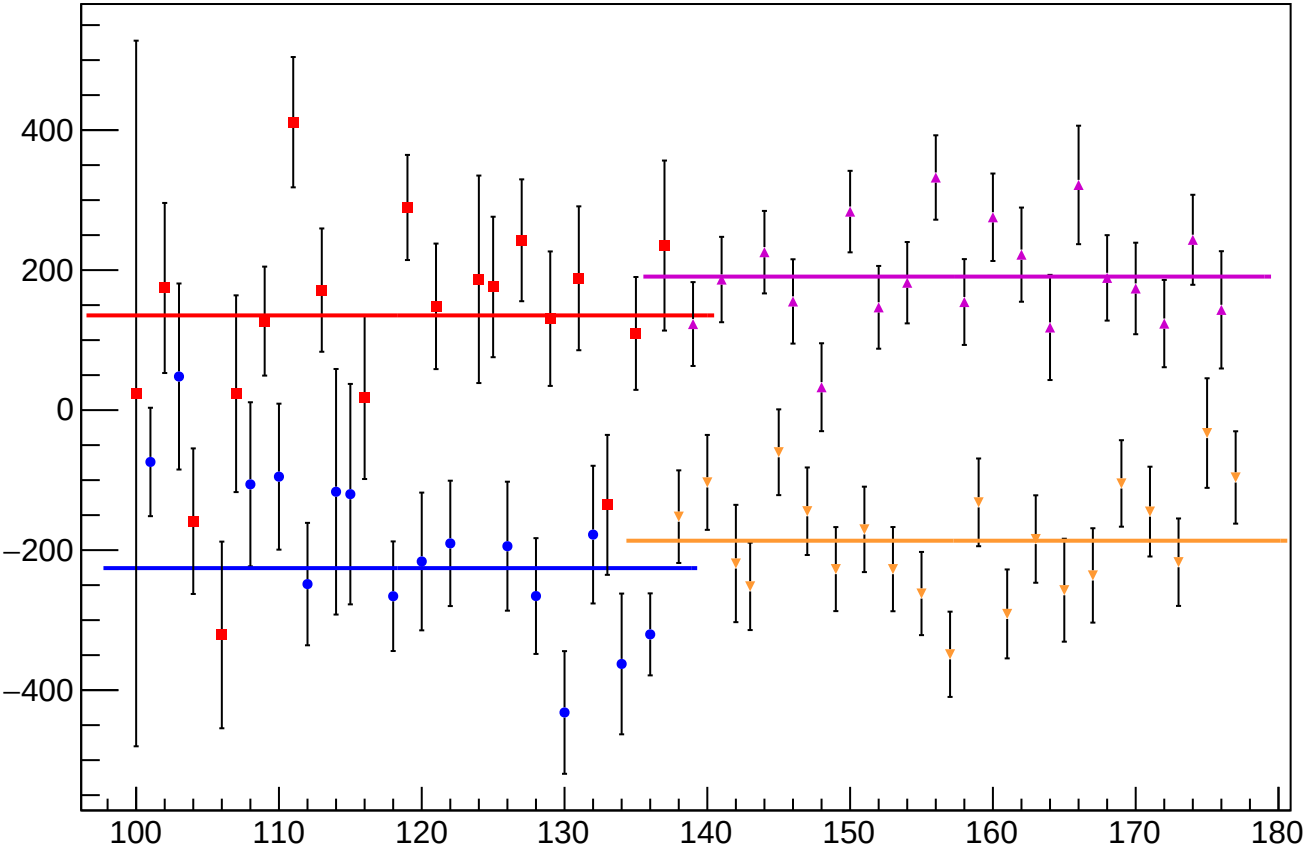
Left In: 262.007+/-0.048 χ^2/NDF:666986.4/18

+ sign 220.132+/-0.035 χ^2/NDF: 6939912.9/36

All: 208.277+/-0.024 χ^2/NDF: 16460166.0/74

- sign 197.627+/-0.033 χ^2/NDF: 9297258.9/37

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -186.548+/-14.057 χ^2/NDF:30.5/20

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

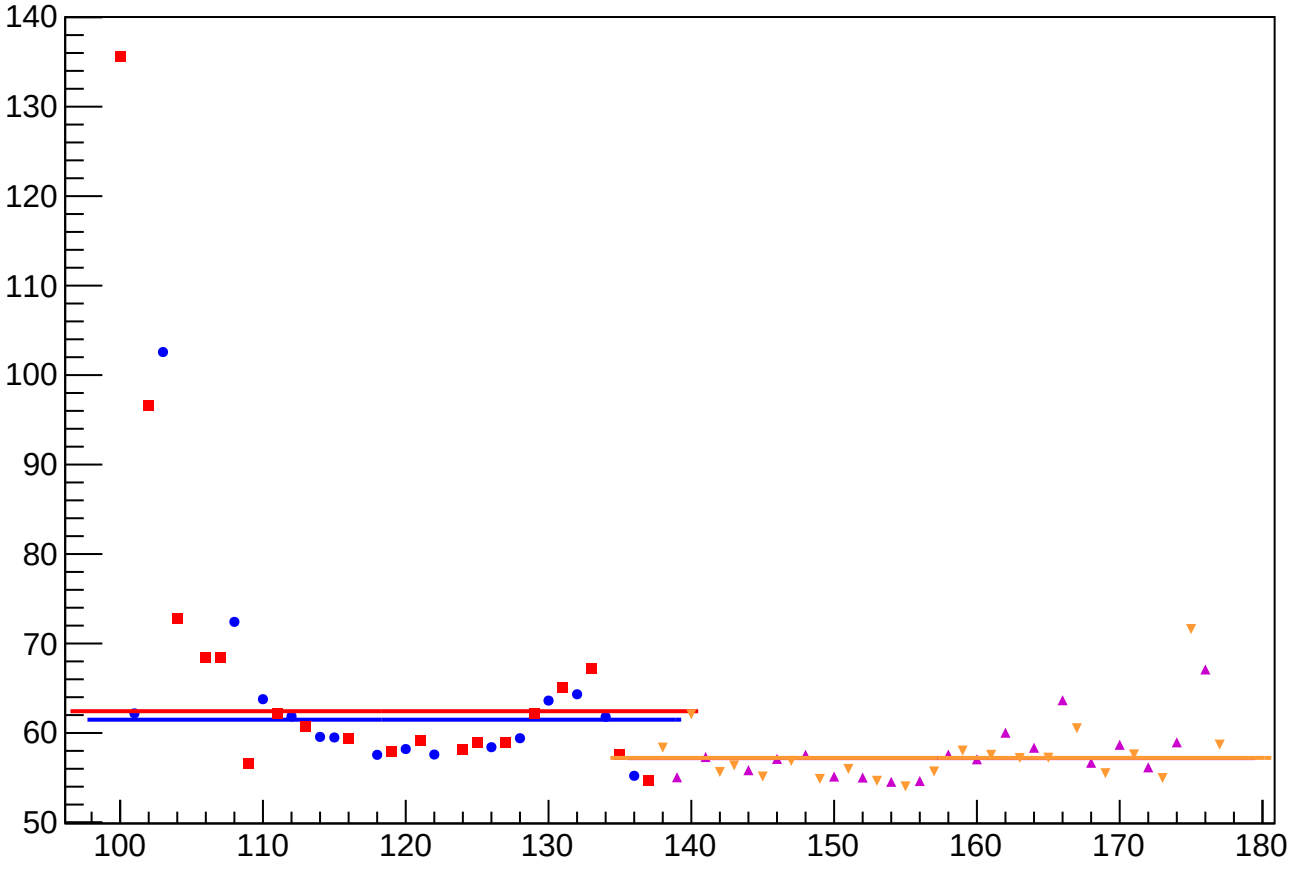
Left In: 190.745+/-14.553 χ^2/NDF:24.9/18

+ sign -197.114+/-12.011 χ^2/NDF: 55.2/36

All: -15.872+/-8.603 χ^2/NDF: 596.7/74

- sign 175.097+/-12.329 χ^2/NDF: 73.9/37

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.217+/-0.010 χ^2/NDF:107029.9/20

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

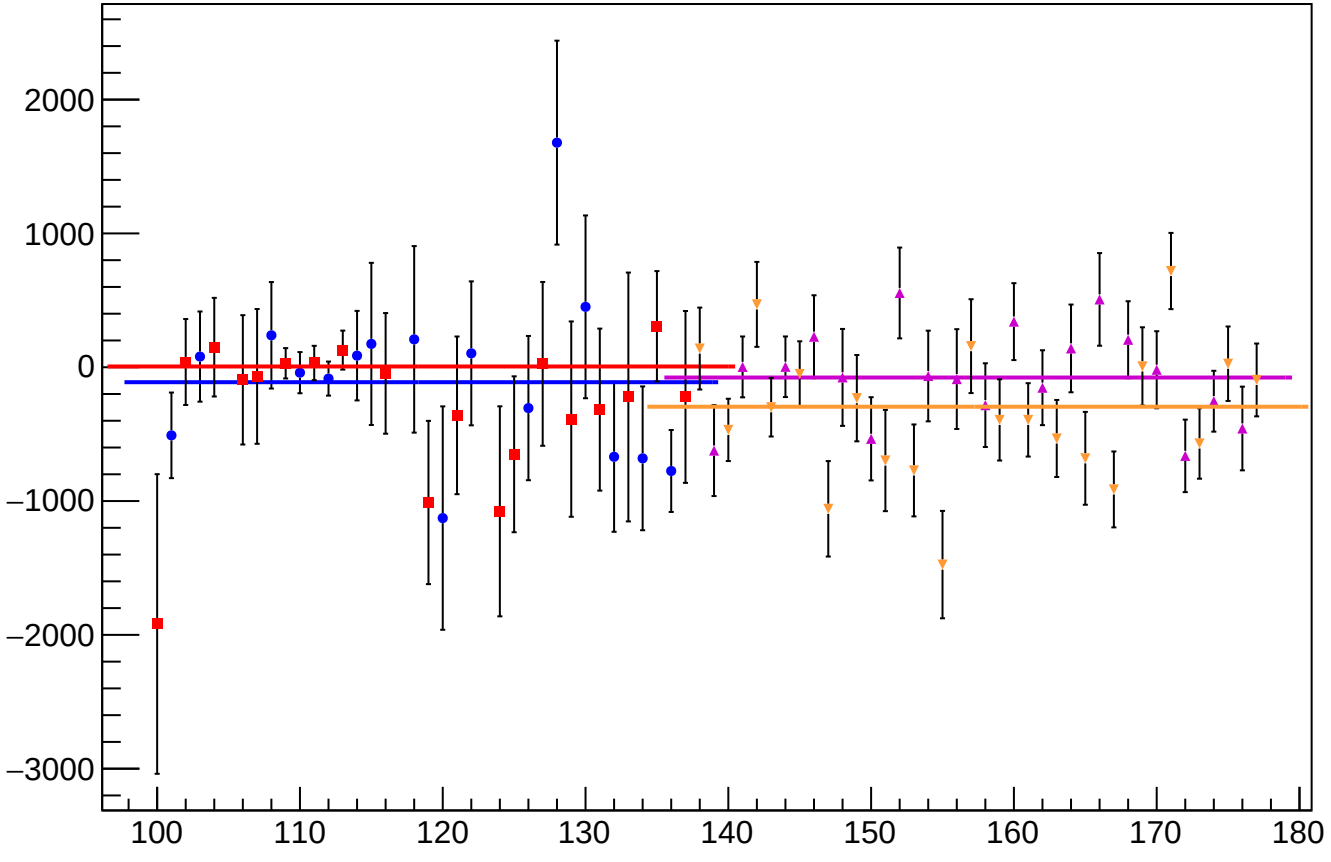
Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

+ sign 58.369+/-0.008 χ^2/NDF: 407483.9/36

All: 58.516+/-0.006 χ^2/NDF: 824410.4/74

- sign 58.671+/-0.009 χ^2/NDF: 416314.4/37

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -295.143+/-63.788 χ^2/NDF:50.9/20

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

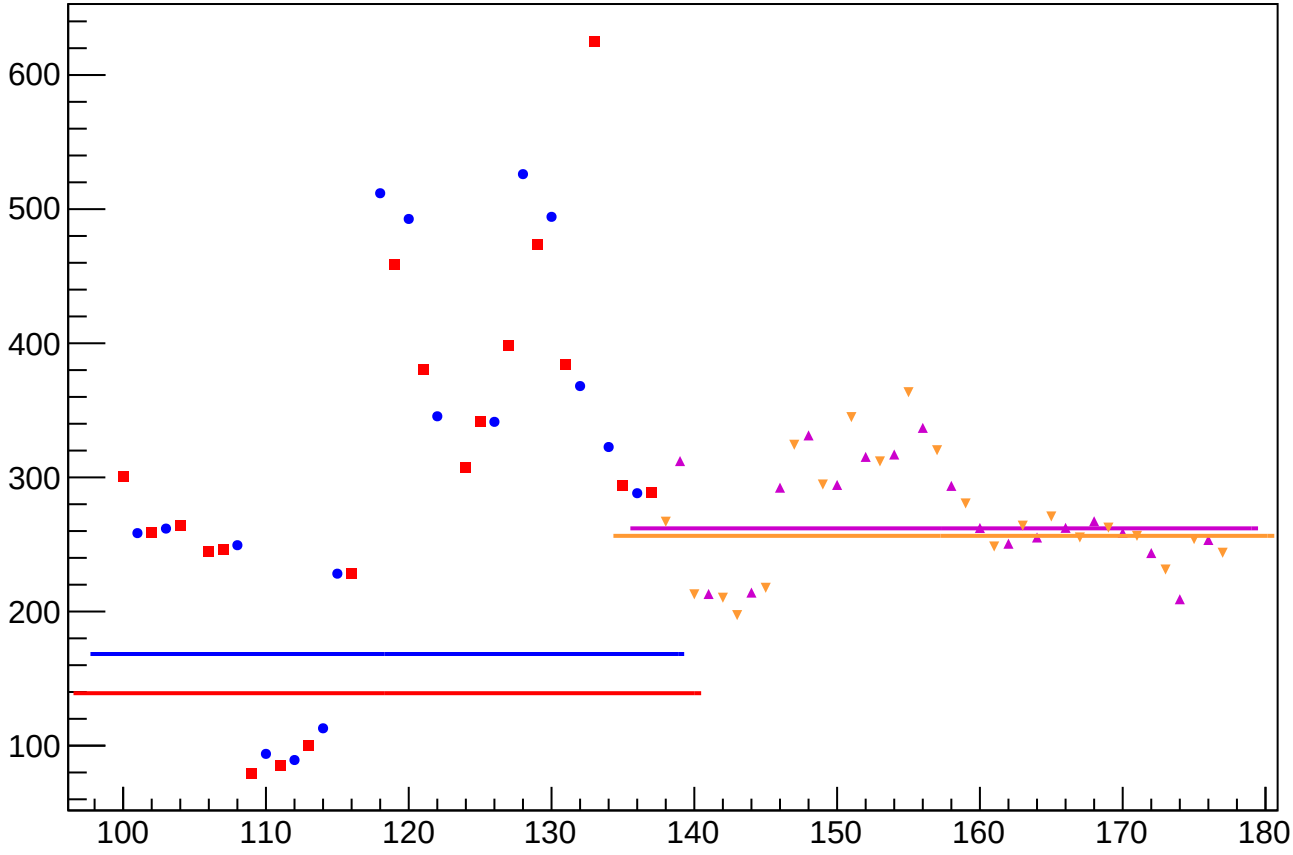
Left In: -76.845+/-67.338 χ^2/NDF:23.1/18

+ sign -219.643+/-48.916 χ^2/NDF: 72.8/36

All: -121.746+/-33.672 χ^2/NDF: 115.9/74

- sign -33.575+/-46.422 χ^2/NDF: 35.5/37

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.421+/-0.045 χ^2/NDF:824566.3/20

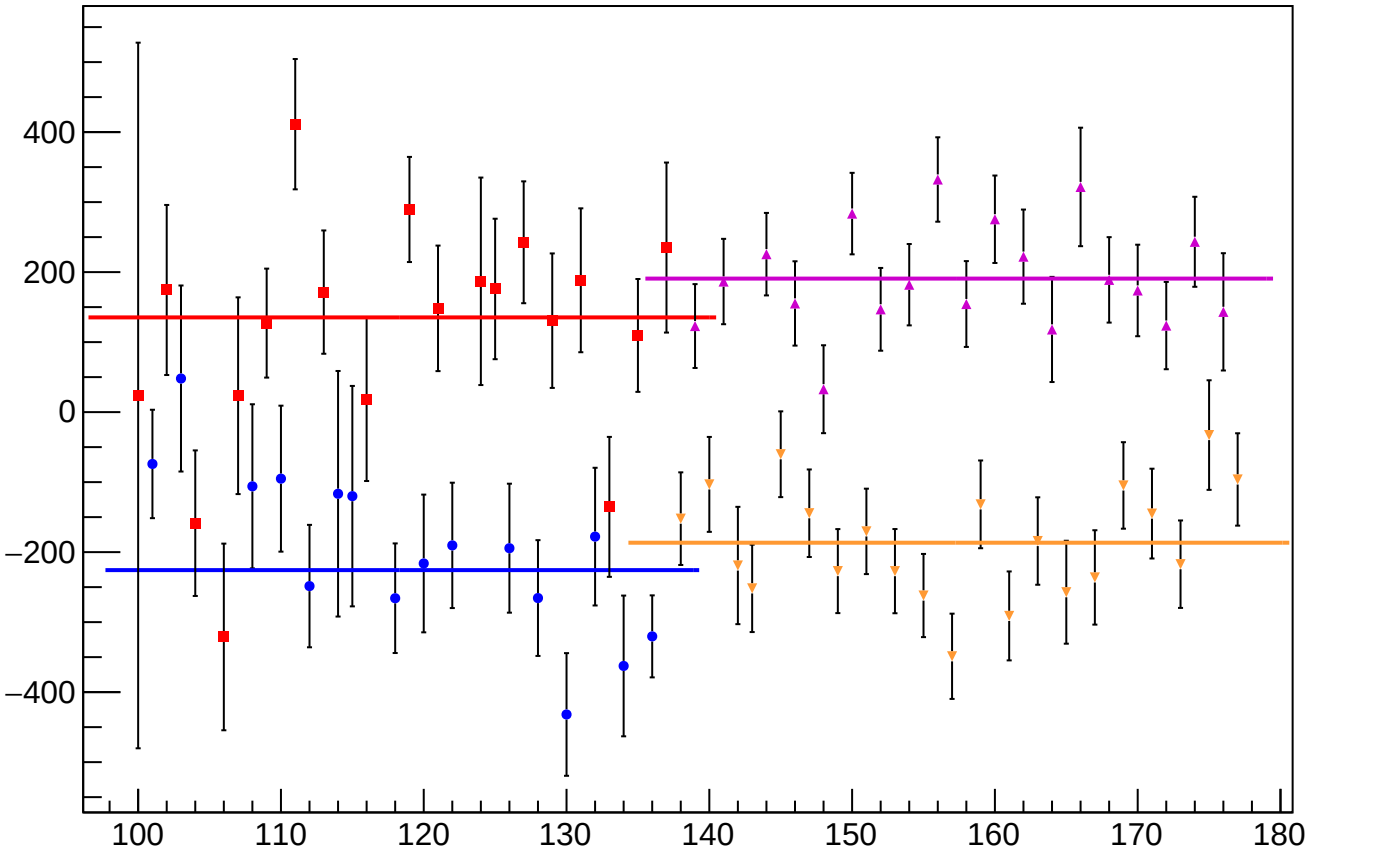
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.007+/-0.048 χ^2/NDF:666984.5/18

+ sign 220.132+/-0.035 χ^2/NDF: 6939946.3/36

All: 208.233+/-0.024 χ^2/NDF: 16457922.4/74

- sign 197.516+/-0.033 χ^2/NDF: 9293030.5/37



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -186.548+/-14.057 χ^2/NDF:30.5/20

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

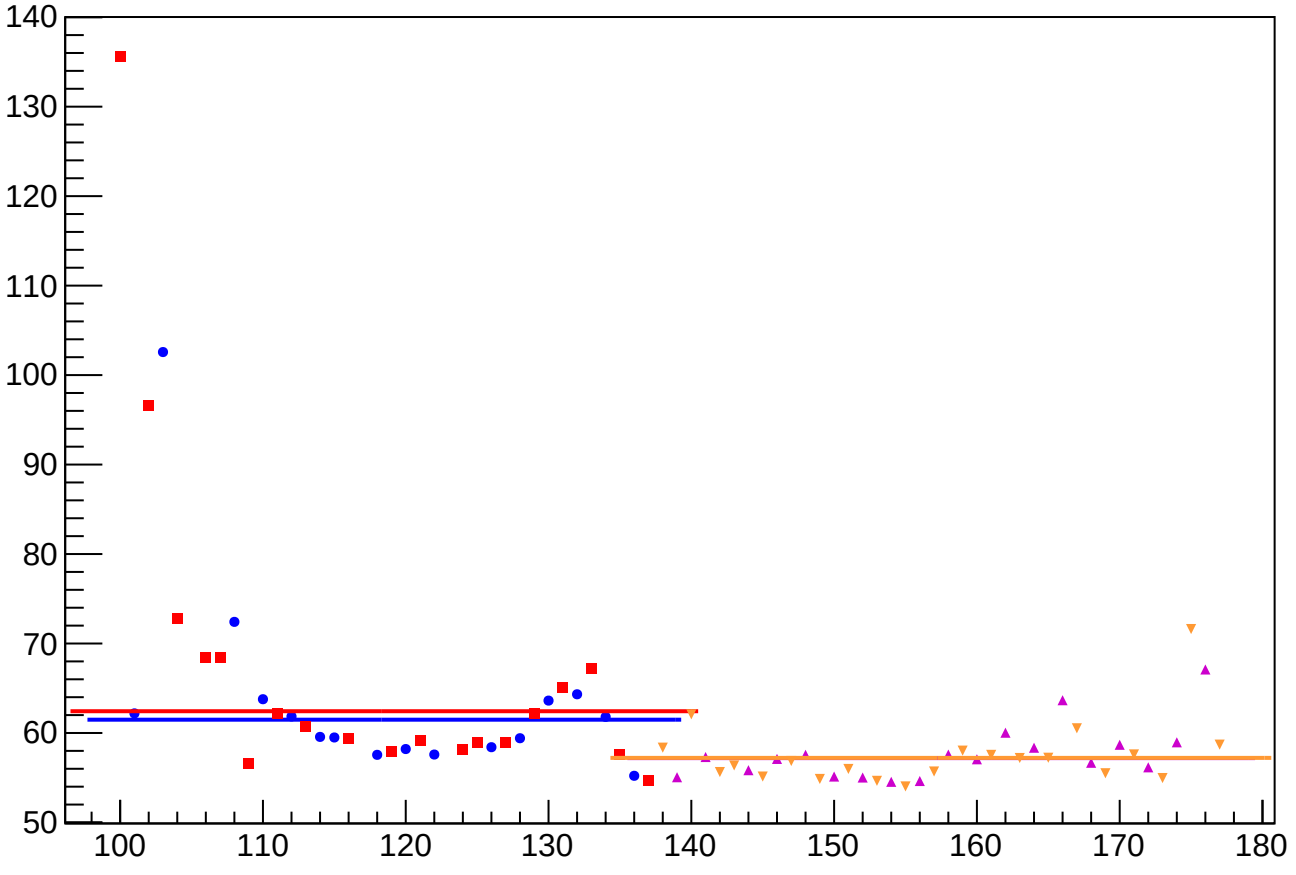
Left In: 190.745+/-14.553 χ^2/NDF:24.9/18

+ sign -197.114+/-12.011 χ^2/NDF: 55.2/36

All: -15.872+/-8.603 χ^2/NDF: 596.7/74

- sign 175.097+/-12.329 χ^2/NDF: 73.9/37

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.217+/-0.010 χ^2/NDF:107029.9/20

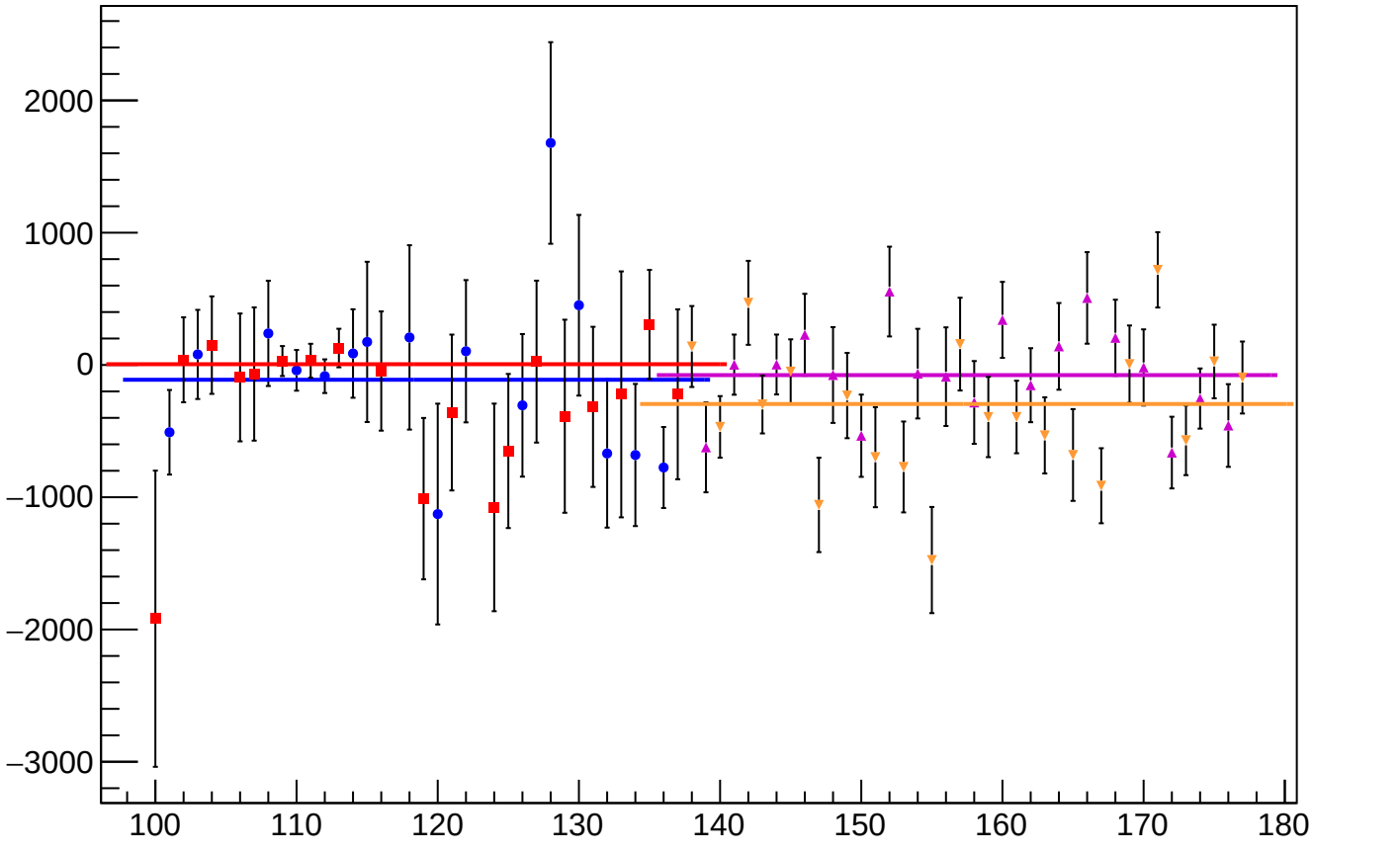
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

+ sign 58.369+/-0.008 χ^2/NDF: 407483.9/36

All: 58.516+/-0.006 χ^2/NDF: 824410.4/74

- sign 58.671+/-0.009 χ^2/NDF: 416314.4/37



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -295.143+/-63.788 χ^2/NDF:50.9/20

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

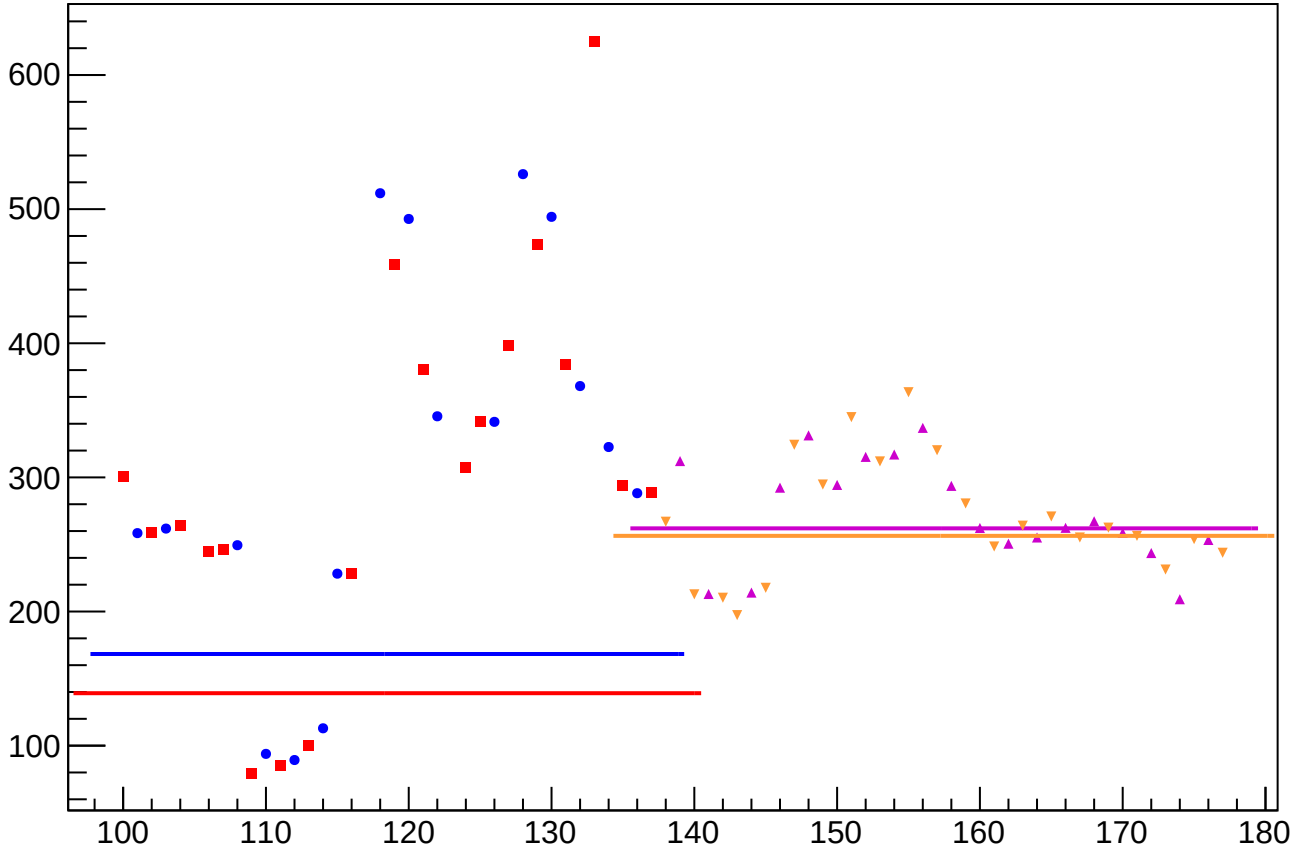
Left In: -76.845+/-67.338 χ^2/NDF:23.1/18

+ sign -219.643+/-48.916 χ^2/NDF: 72.8/36

All: -121.746+/-33.672 χ^2/NDF: 115.9/74

- sign -33.575+/-46.422 χ^2/NDF: 35.5/37

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.421+/-0.045 χ^2/NDF:824566.3/20

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

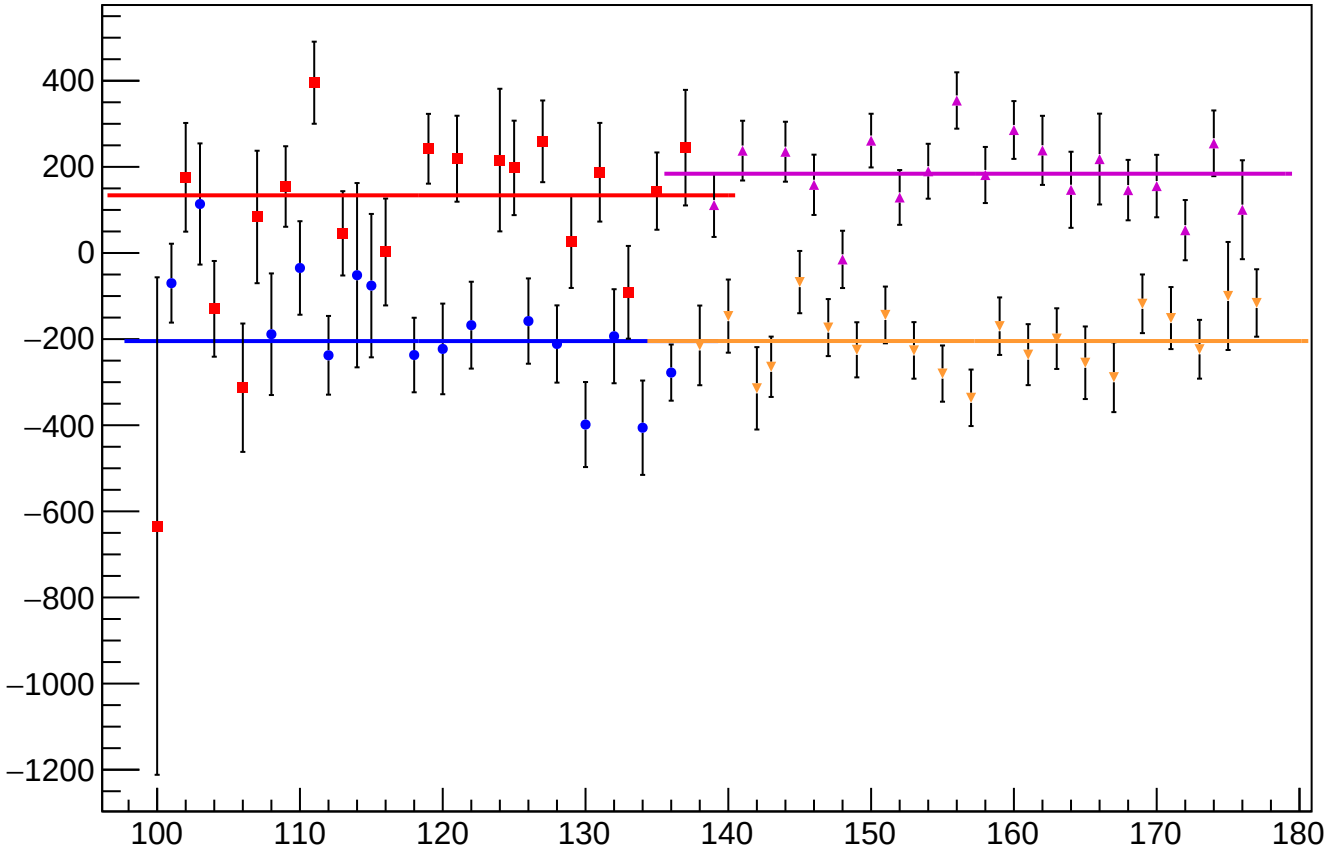
Left In: 262.007+/-0.048 χ^2/NDF:666984.5/18

+ sign 220.132+/-0.035 χ^2/NDF: 6939946.3/36

All: 208.233+/-0.024 χ^2/NDF: 16457922.4/74

- sign 197.516+/-0.033 χ^2/NDF: 9293030.5/37

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -204.452+/-15.955 χ^2/NDF:18.9/20

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

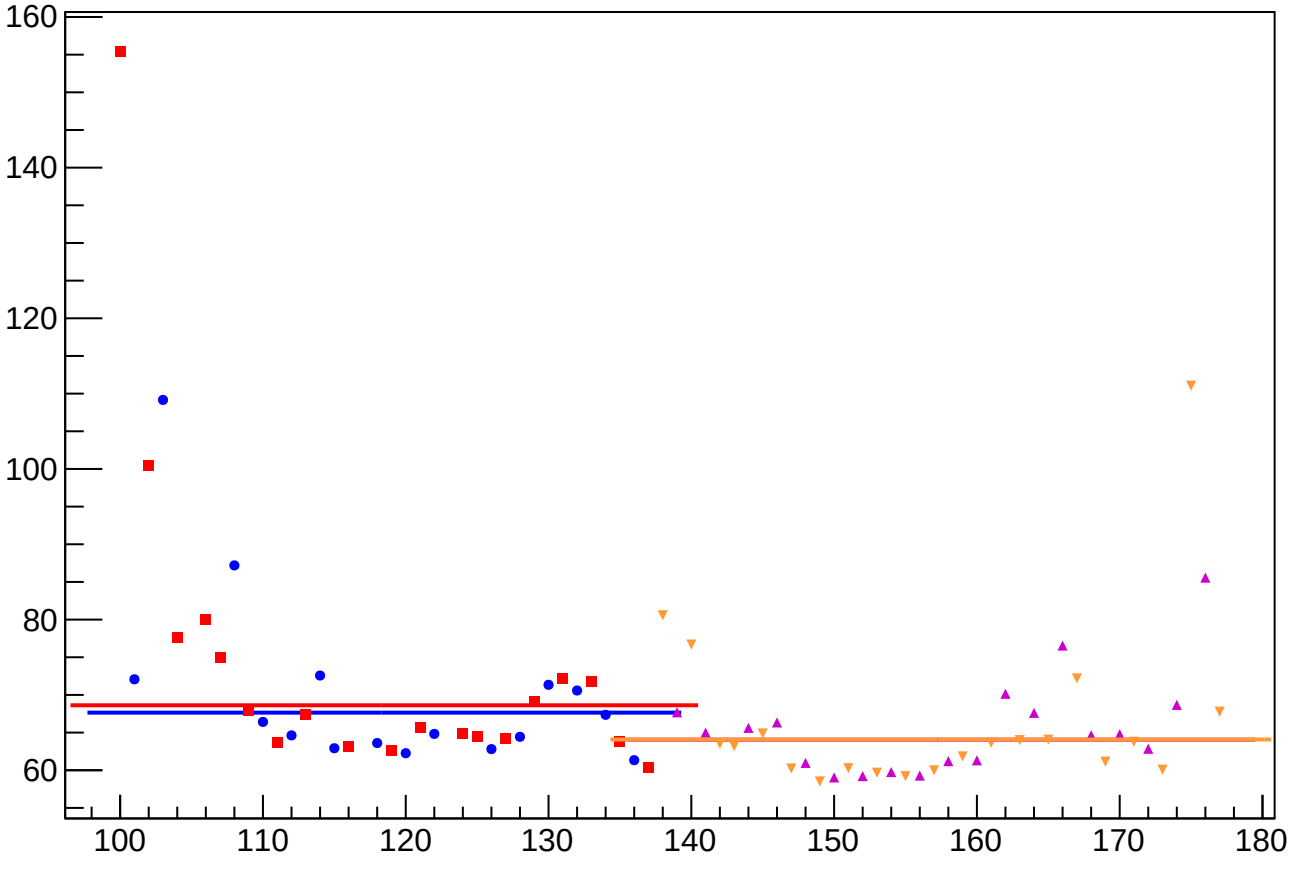
Left In: 184.093+/-16.472 χ^2/NDF:28.6/18

\+ sign -204.488+/-13.529 χ^2/NDF: 38.9/36

All: -21.749+/-9.672 χ^2/NDF: 480.6/74

\- sign 169.310+/-13.834 χ^2/NDF: 68.6/37

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 64.085+/-0.011 χ^2/NDF:482688.3/20

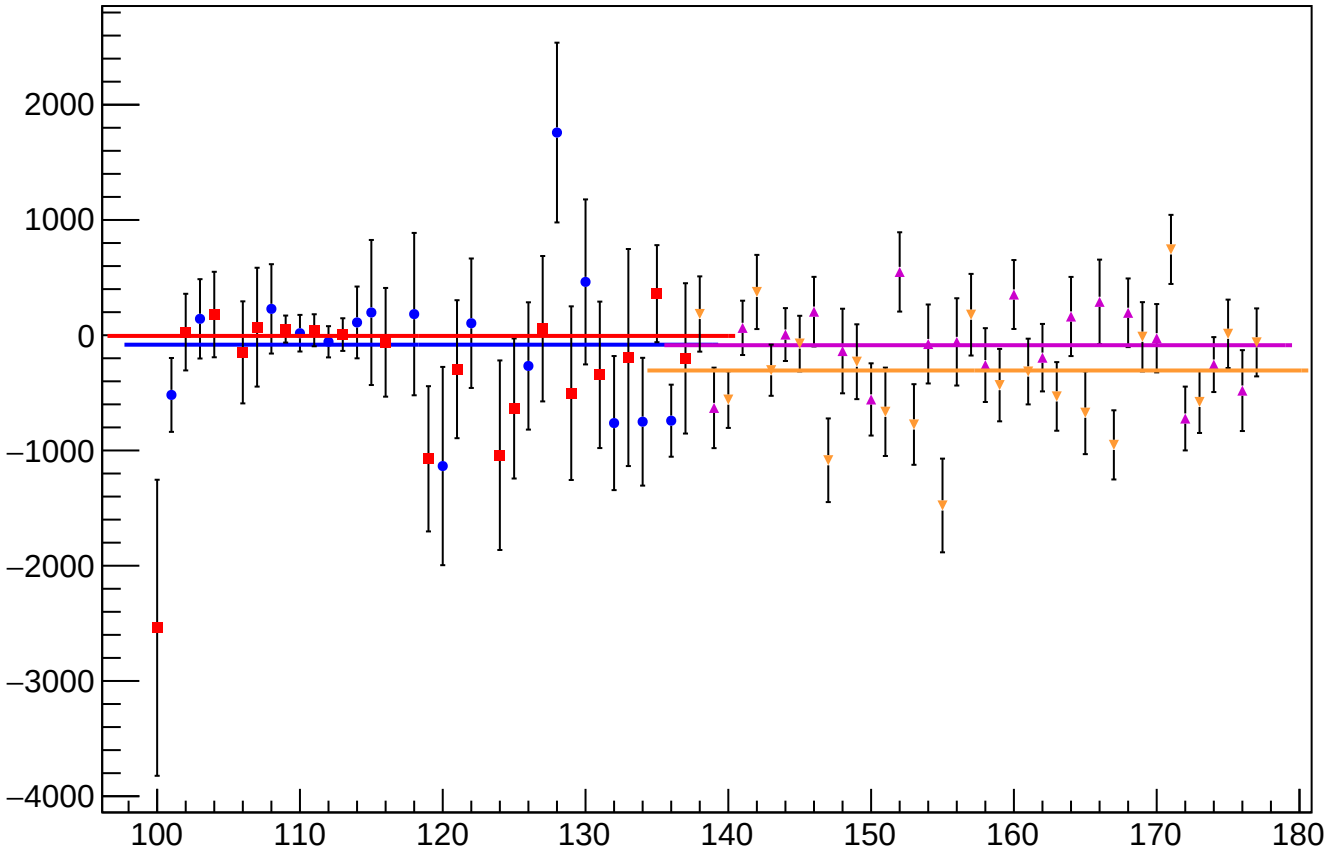
Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 64.053+/-0.012 χ^2/NDF:185246.7/18

+ sign 65.086+/-0.010 χ^2/NDF: 774377.8/36

All: 65.239+/-0.007 χ^2/NDF: 1253694.0/74

- sign 65.400+/-0.010 χ^2/NDF: 478787.7/37



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -306.007+/-65.856 χ^2/NDF:48.7/20

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

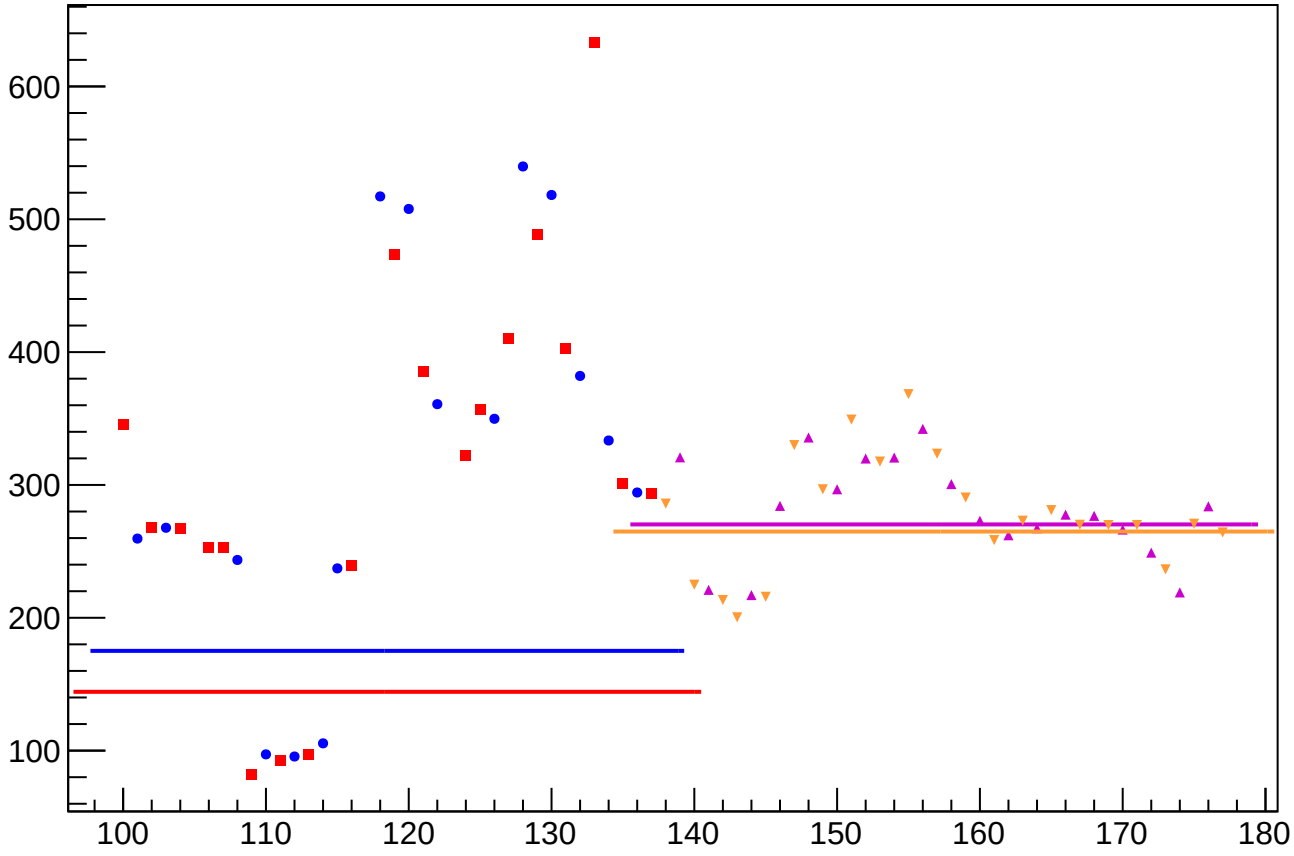
Left In: -86.663+/-69.391 χ^2/NDF:21.8/18

+ sign -213.811+/-50.499 χ^2/NDF: 72.7/36

All: -124.380+/-34.710 χ^2/NDF: 113.2/74

- sign -44.291+/-47.789 χ^2/NDF: 34.5/37

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.940+/-0.047 χ^2/NDF:819122.5/20

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

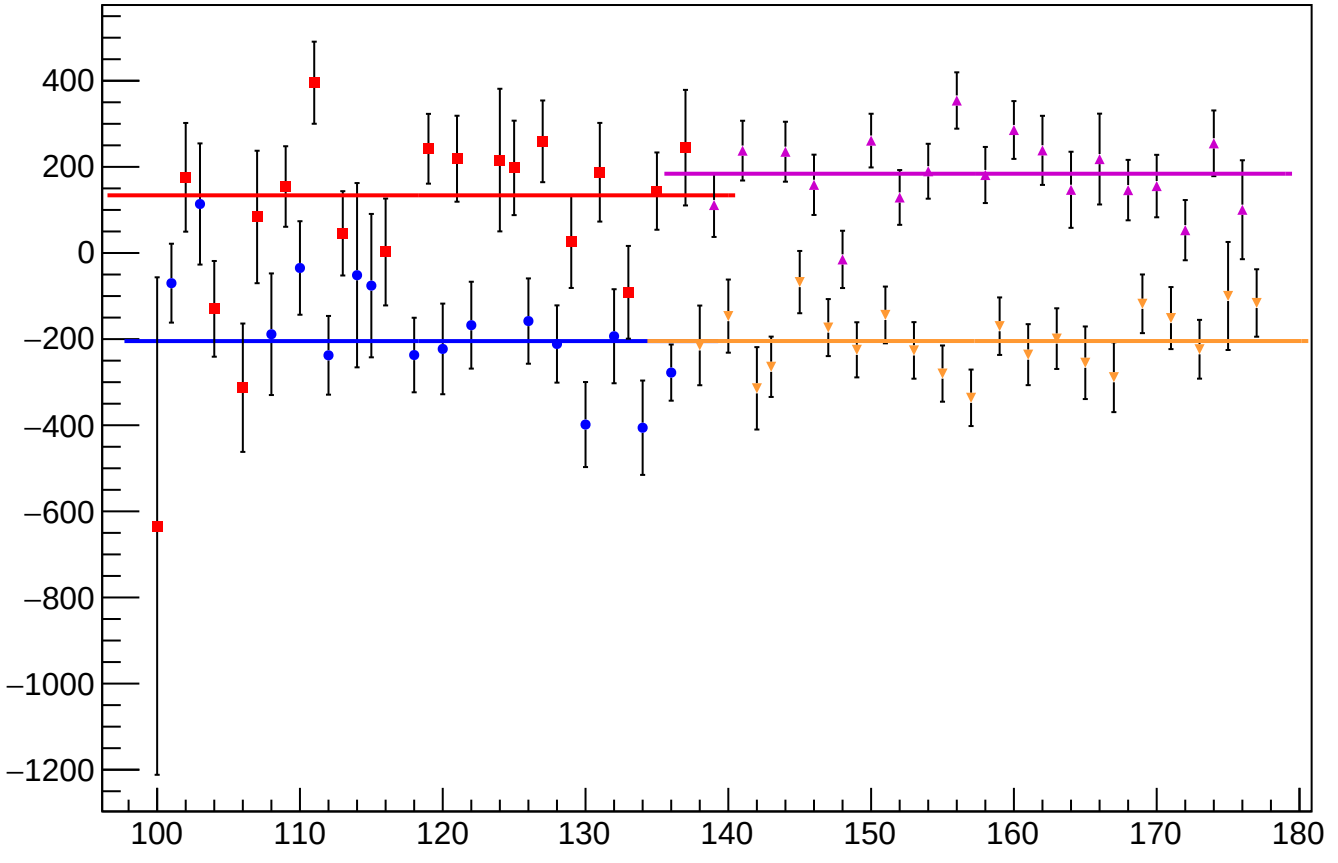
Left In: 270.284+/-0.049 χ^2/NDF:604777.5/18

+ sign 227.926+/-0.036 χ^2/NDF: 6781651.4/36

All: 215.325+/-0.025 χ^2/NDF: 16222015.3/74

- sign 204.041+/-0.034 χ^2/NDF: 9204322.6/37

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -204.452+/-15.955 χ^2/NDF:18.9/20

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

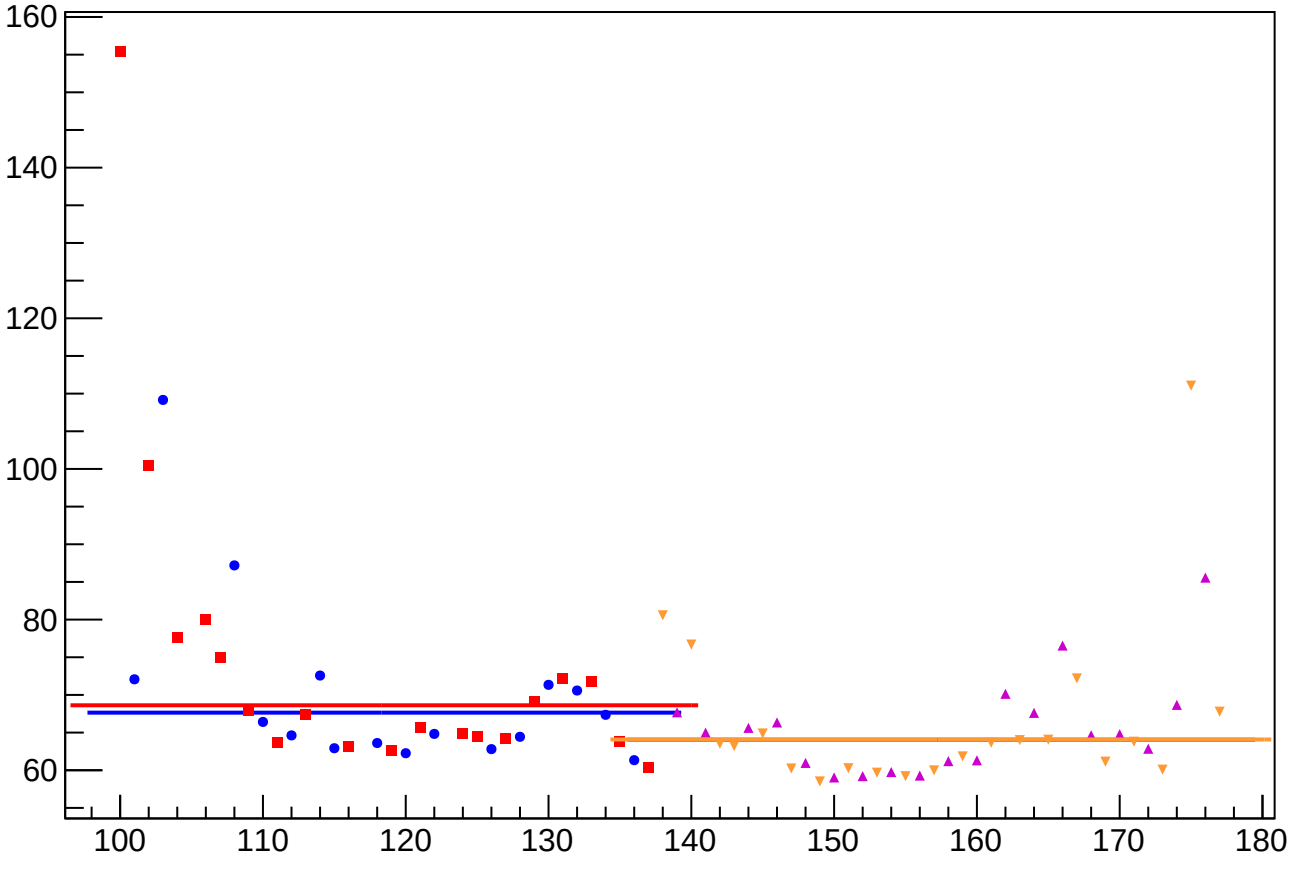
Left In: 184.095+/-16.472 χ^2/NDF:28.6/18

+ sign -204.487+/-13.529 χ^2/NDF: 38.9/36

All: -21.748+/-9.672 χ^2/NDF: 480.6/74

- sign 169.311+/-13.834 χ^2/NDF: 68.6/37

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 64.085+/-0.011 χ^2/NDF:482686.9/20

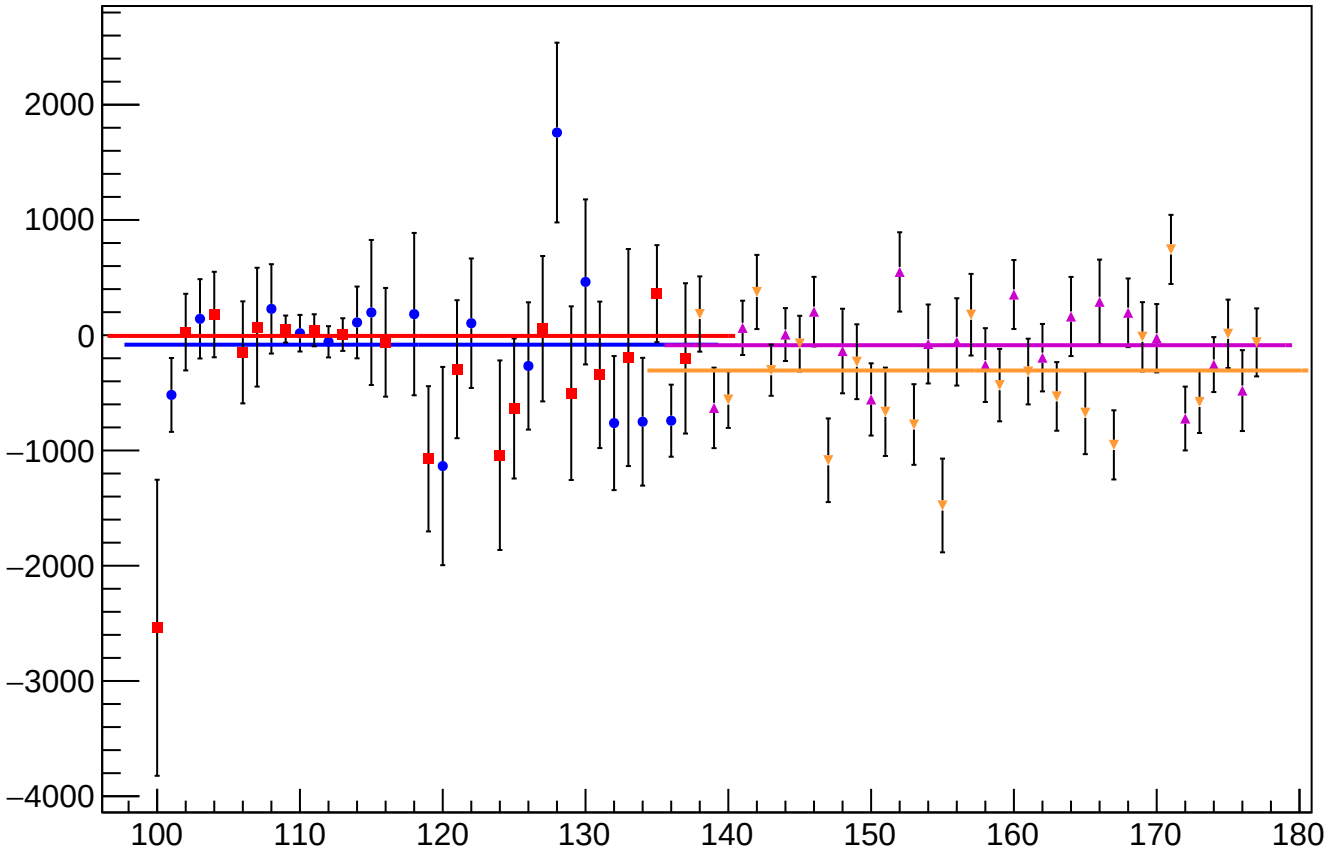
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 64.053+/-0.012 χ^2/NDF:185245.4/18

+ sign 65.086+/-0.010 χ^2/NDF: 774372.5/36

All: 65.239+/-0.007 χ^2/NDF: 1253683.9/74

- sign 65.400+/-0.010 χ^2/NDF: 478782.9/37



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -306.006+/-65.856 χ^2/NDF:48.7/20

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

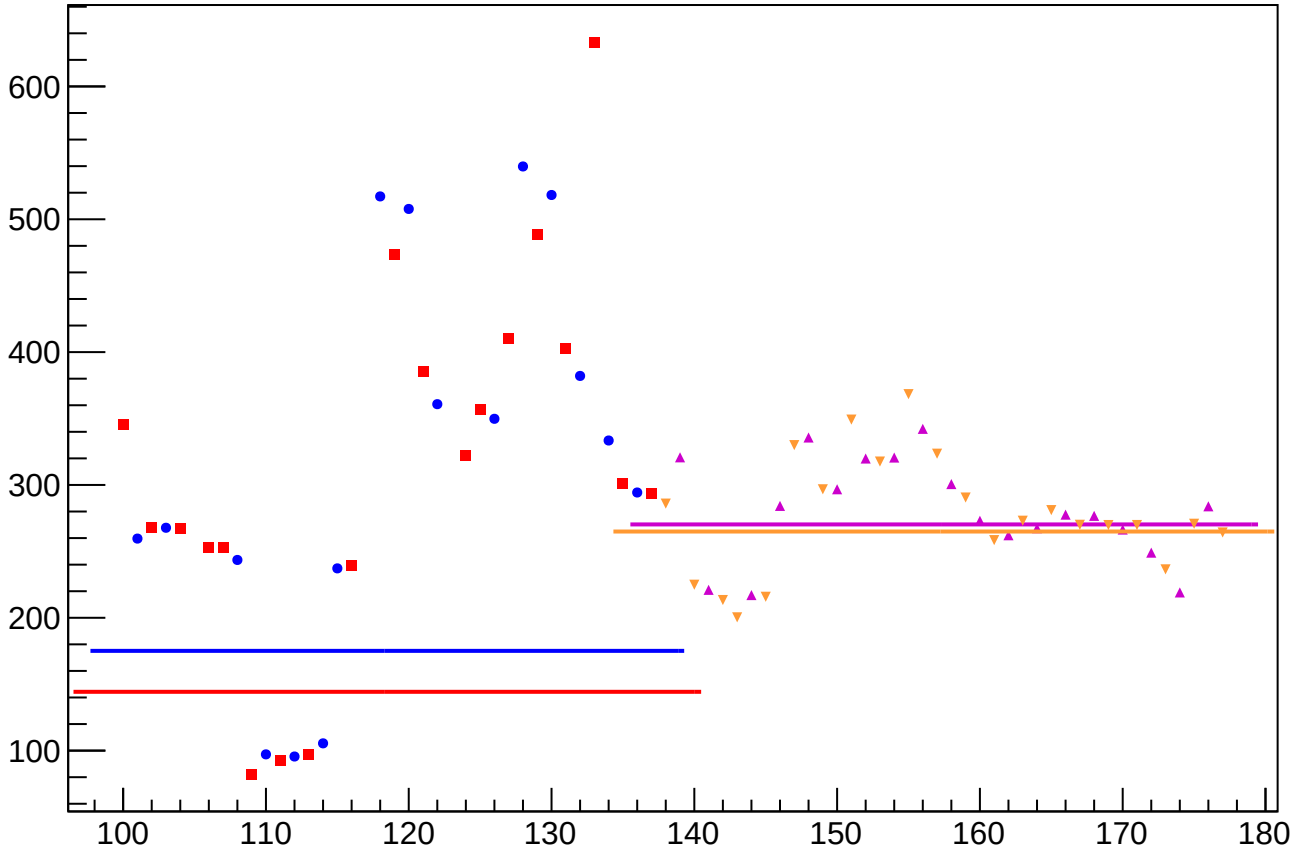
Left In: -86.662+/-69.391 χ^2/NDF:21.8/18

+ sign -213.810+/-50.499 χ^2/NDF: 72.7/36

All: -124.379+/-34.710 χ^2/NDF: 113.2/74

- sign -44.290+/-47.789 χ^2/NDF: 34.5/37

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.938+/-0.047 χ^2/NDF:819131.9/20

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

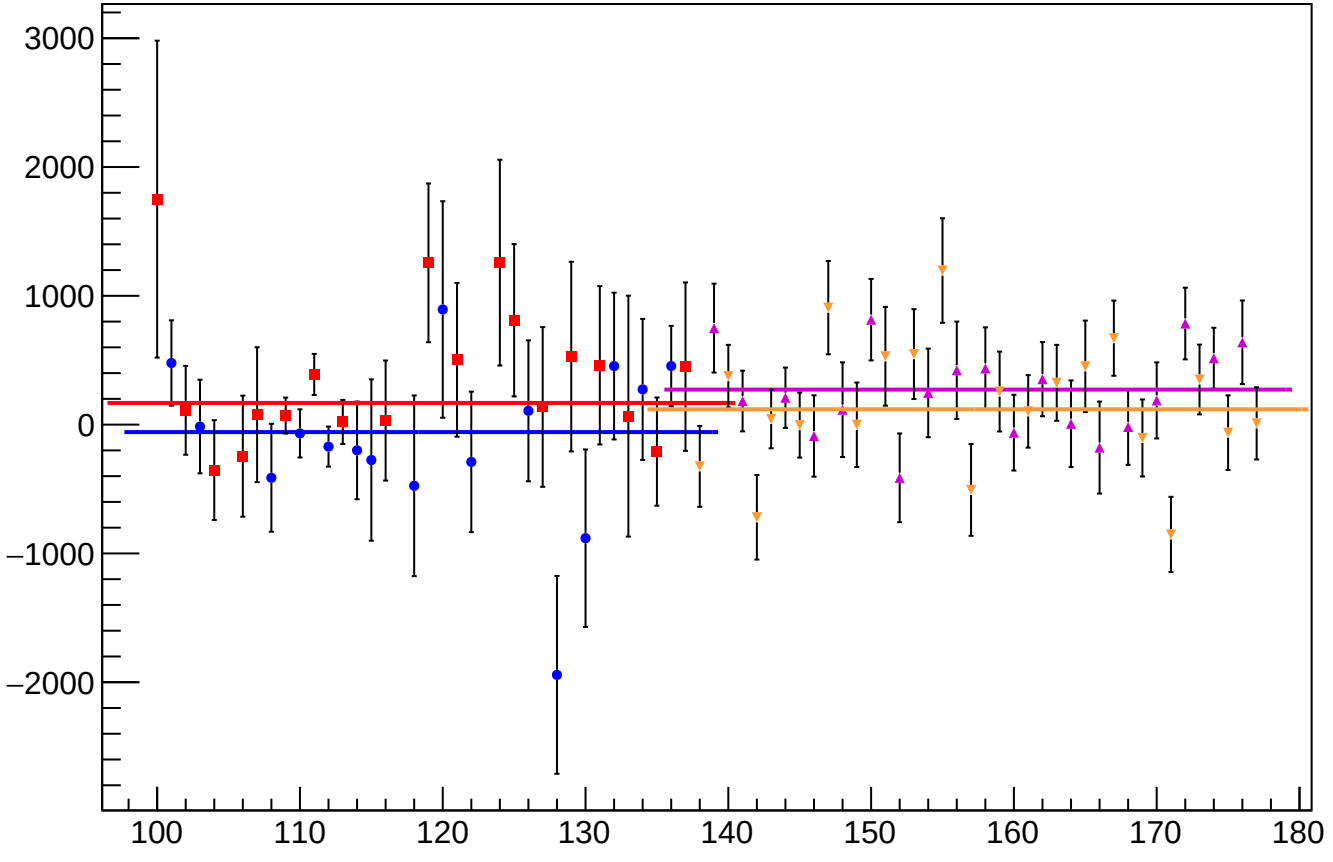
Left In: 270.283+/-0.049 χ^2/NDF:604782.6/18

+ sign 227.925+/-0.036 χ^2/NDF: 6781711.6/36

All: 215.324+/-0.025 χ^2/NDF: 16222033.3/74

- sign 204.040+/-0.034 χ^2/NDF: 9204292.4/37

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 118.970+/-65.560 χ^2/NDF:45.7/20

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

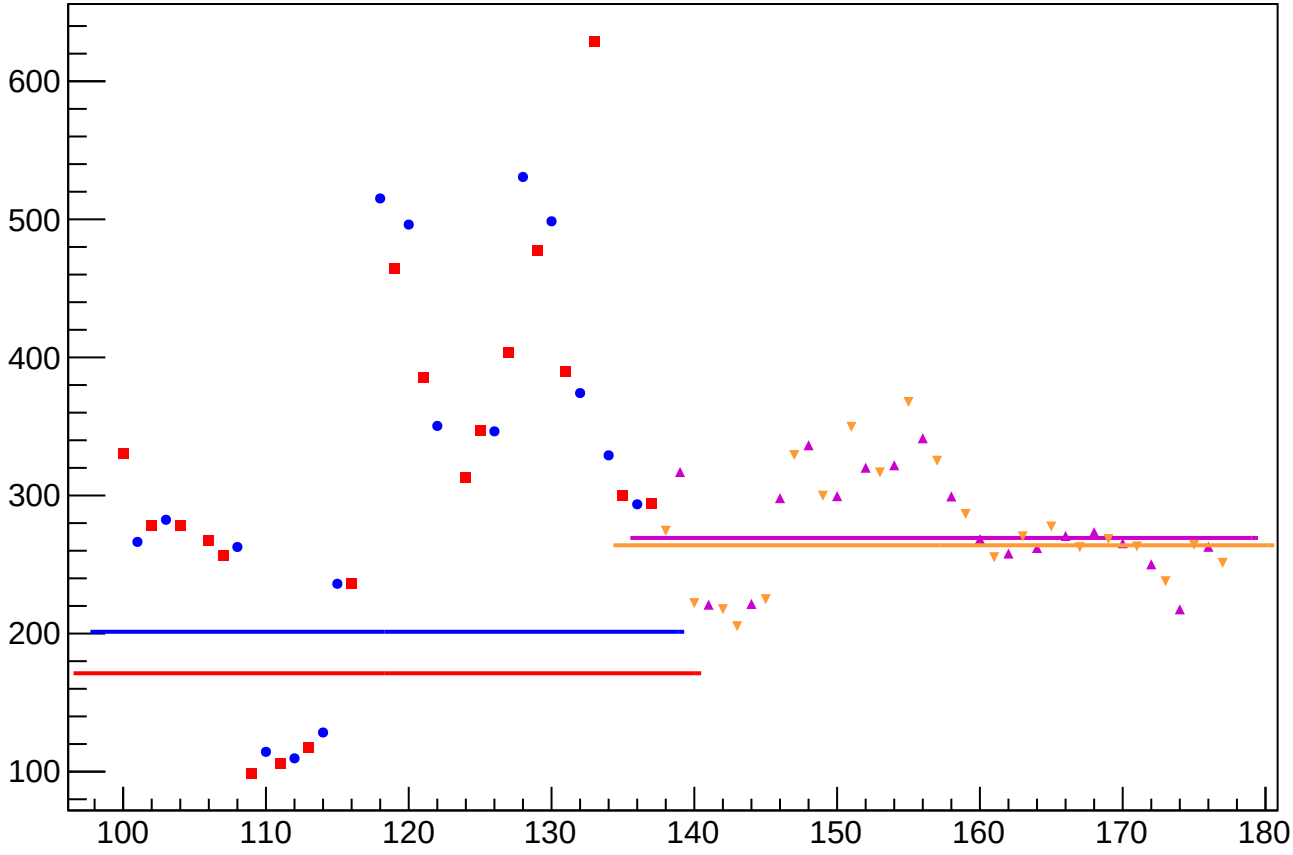
Left In: 271.928+/-69.115 χ^2/NDF:21.3/18

+ sign 54.781+/-52.334 χ^2/NDF: 65.7/36

All: 142.113+/-36.414 χ^2/NDF: 109.0/74

- sign 224.072+/-50.699 χ^2/NDF: 37.8/37

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 263.931+/-0.046 χ^2/NDF:746367.4/20

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

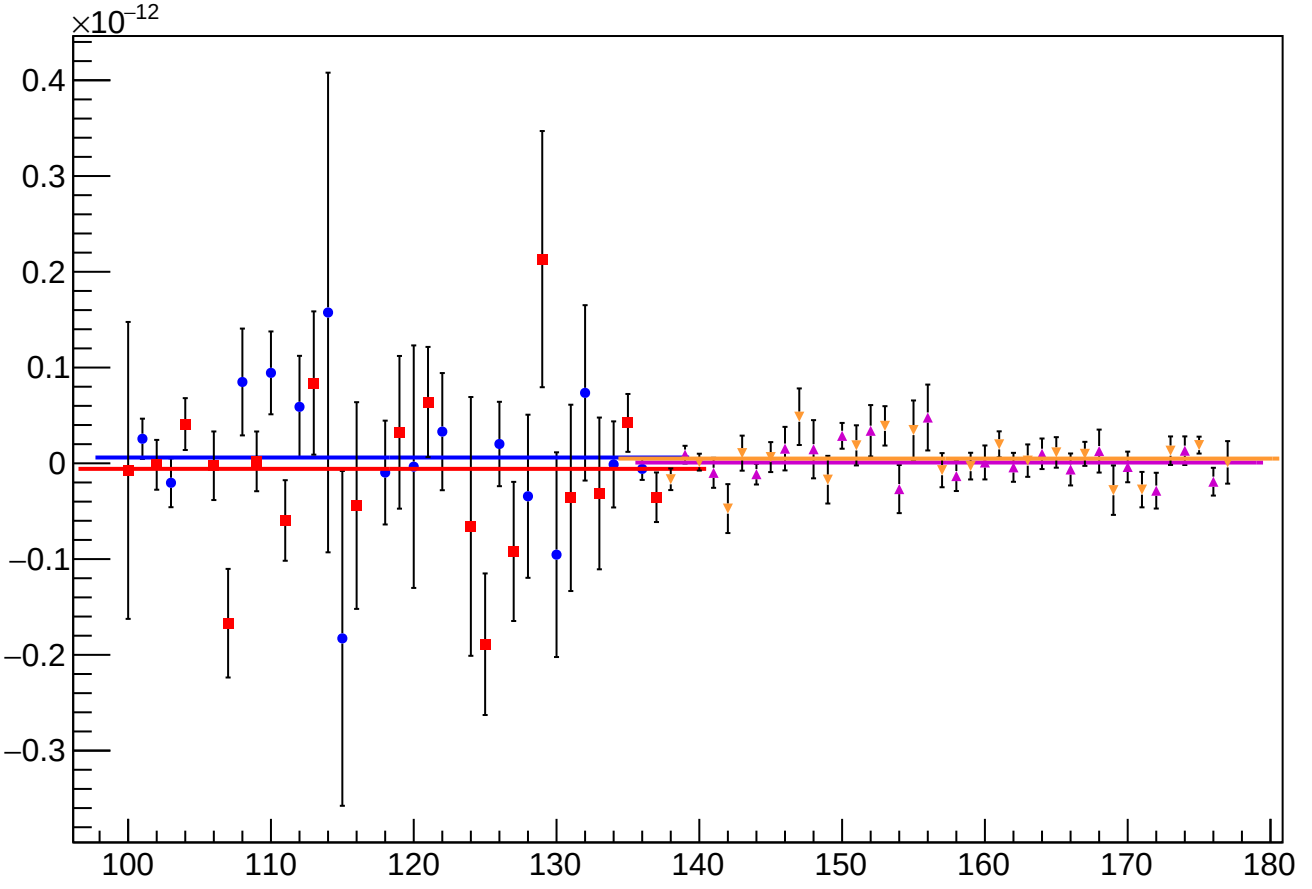
Left In: 269.257+/-0.049 χ^2/NDF:599175.1/18

+ sign 241.211+/-0.037 χ^2/NDF: 4980686.7/36

All: 232.326+/-0.026 χ^2/NDF: 11741684.8/74

- sign 223.988+/-0.036 χ^2/NDF: 6649262.4/37

asym_sam8_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/20

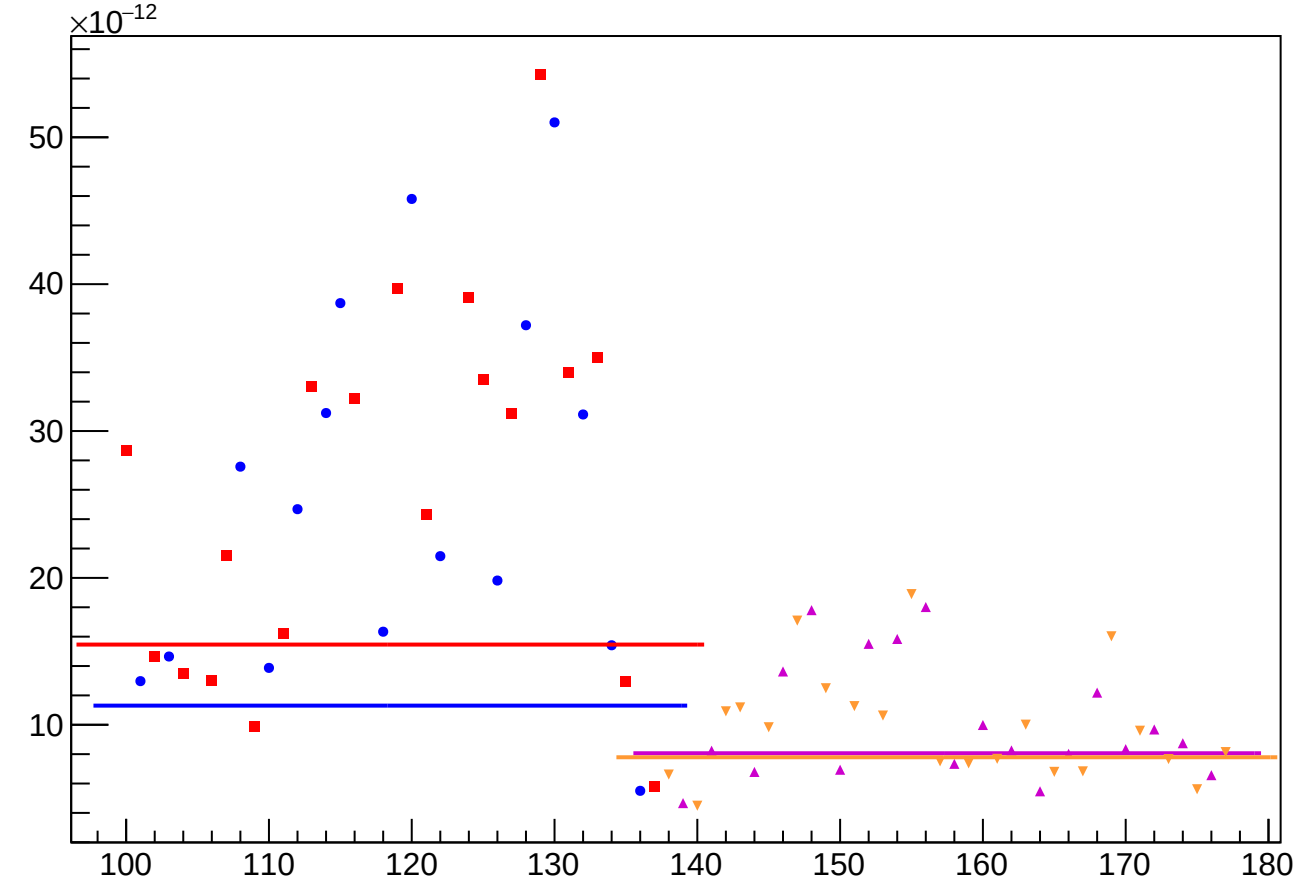
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 38.9/36

All: 0.000+/-0.000 χ^2/NDF: 89.9/74

- sign 0.000+/-0.000 χ^2/NDF: 49.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1458853.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

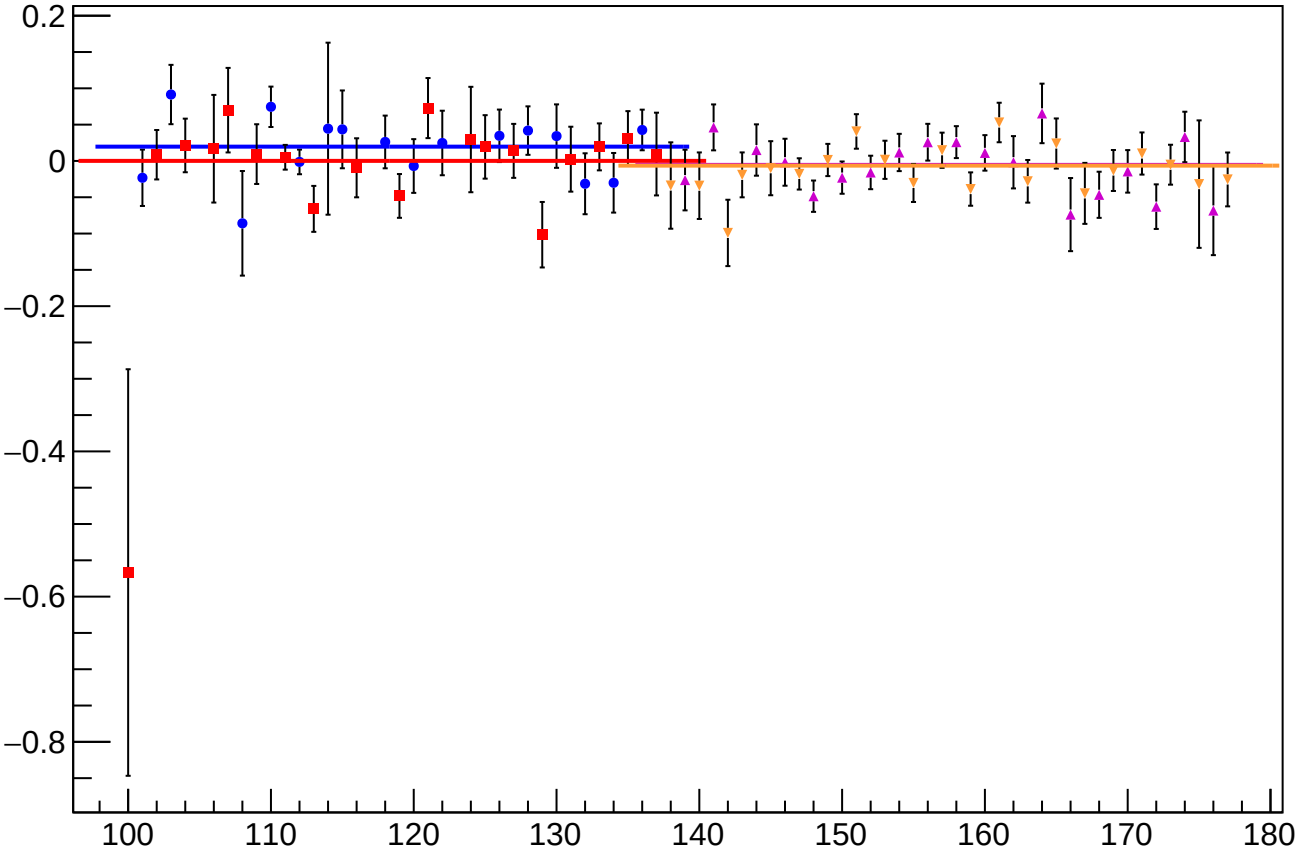
Left In: 0.000+/-0.000 χ^2/NDF:1341067.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 3558910.7/36

All: 0.000+/-0.000 χ^2/NDF: 7311451.8/74

- sign 0.000+/-0.000 χ^2/NDF: 3715833.4/37

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

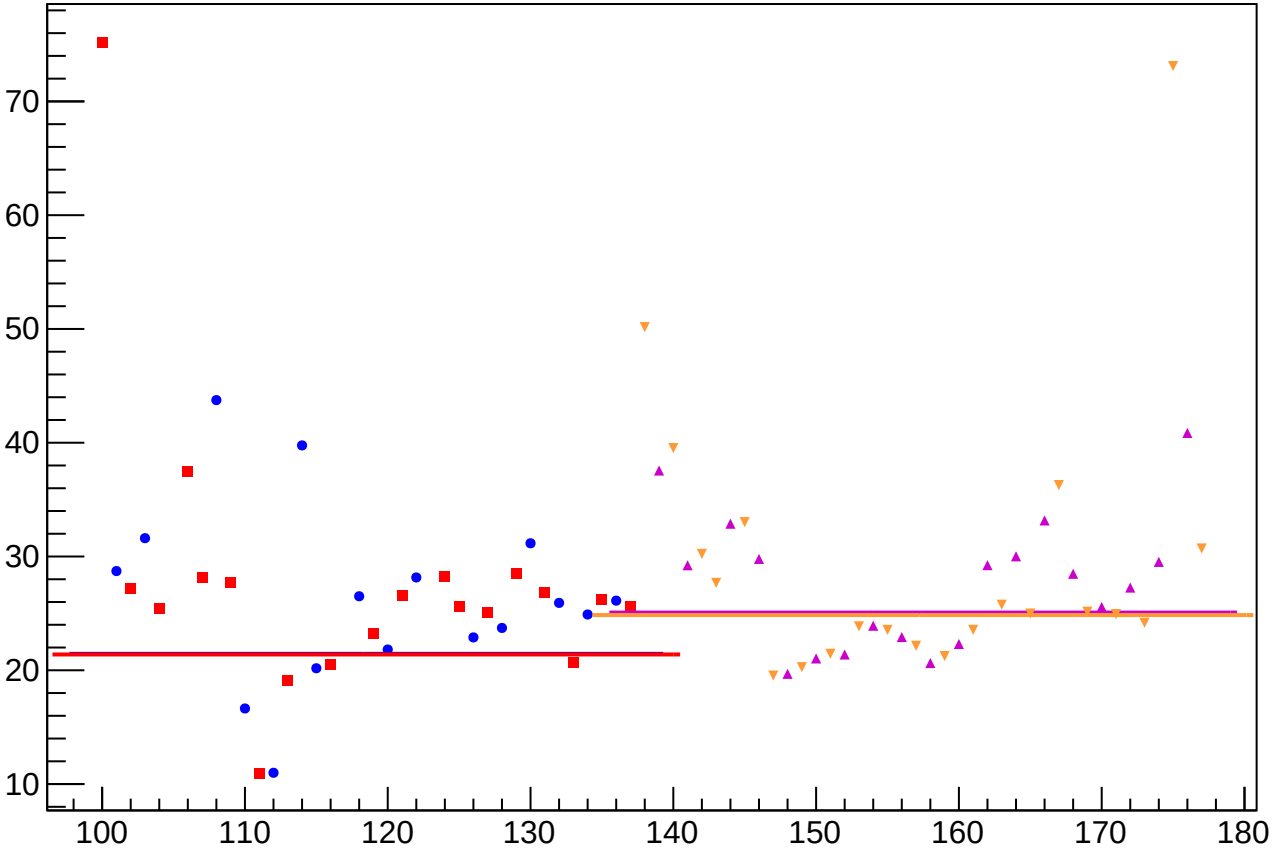
Left In: -0.005+/-0.007 χ^2/NDF:24.9/18

+ sign 0.003+/-0.005 χ^2/NDF: 43.4/36

All: -0.000+/-0.004 χ^2/NDF: 92.1/74

- sign -0.003+/-0.005 χ^2/NDF: 48.0/37

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.854+/-0.005 χ^2/NDF:1848137.3/20

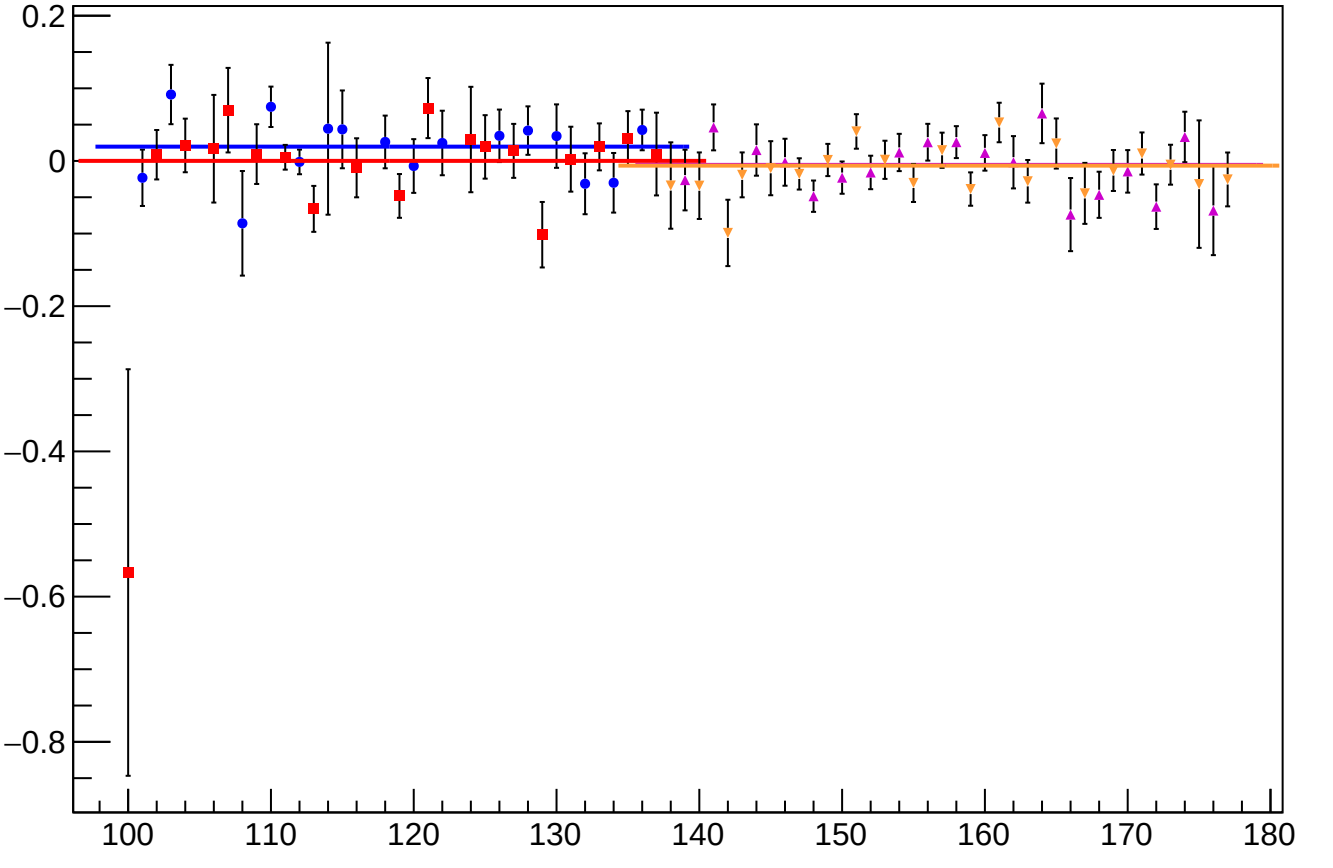
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.074+/-0.005 χ^2/NDF:1026631.1/18

+ sign 23.641+/-0.004 χ^2/NDF: 3587561.4/36

All: 23.652+/-0.003 χ^2/NDF: 6157725.5/74

- sign 23.663+/-0.004 χ^2/NDF: 2570145.8/37



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

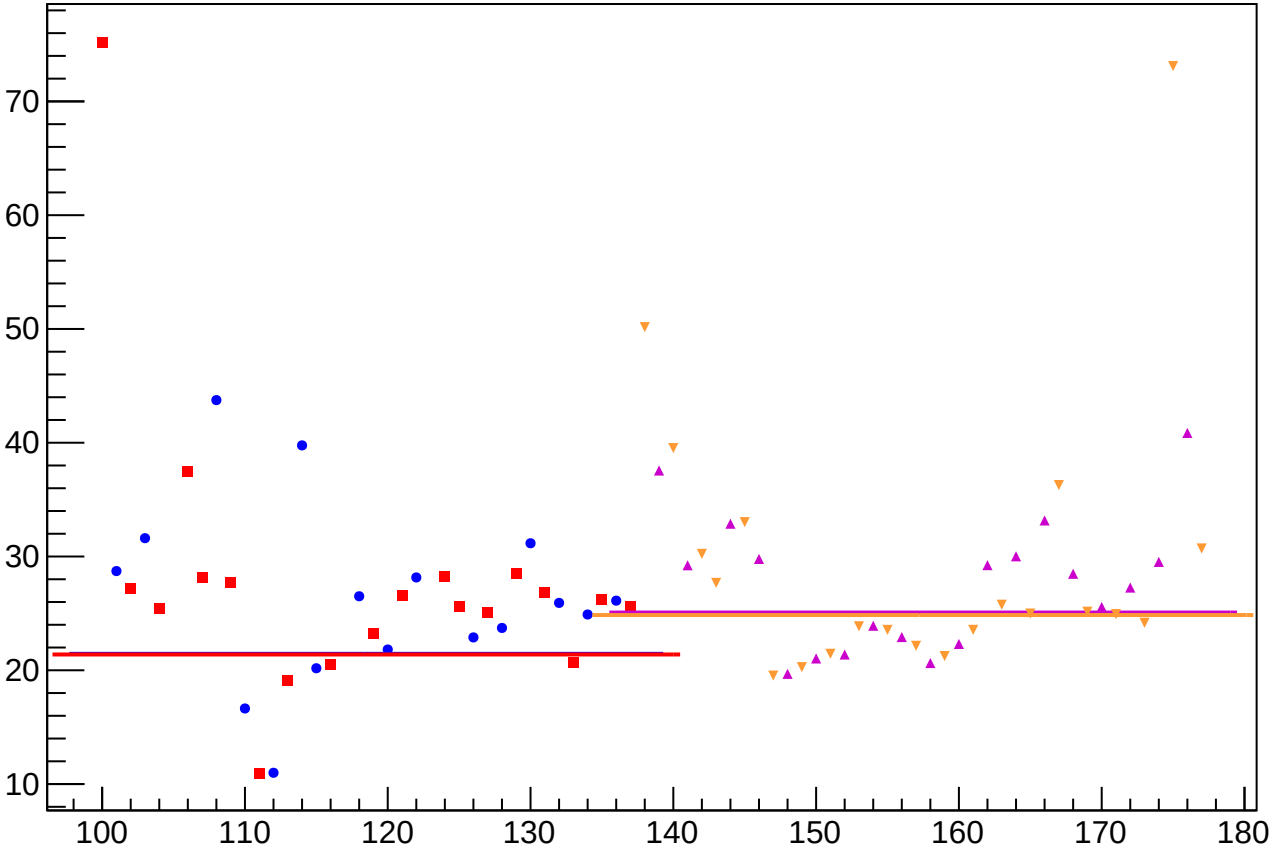
Left In: -0.005+/-0.007 χ^2/NDF:24.9/18

+ sign 0.003+/-0.005 χ^2/NDF: 43.4/36

All: -0.000+/-0.004 χ^2/NDF: 92.1/74

- sign -0.003+/-0.005 χ^2/NDF: 48.0/37

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.854+/-0.005 χ^2/NDF:1848137.3/20

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

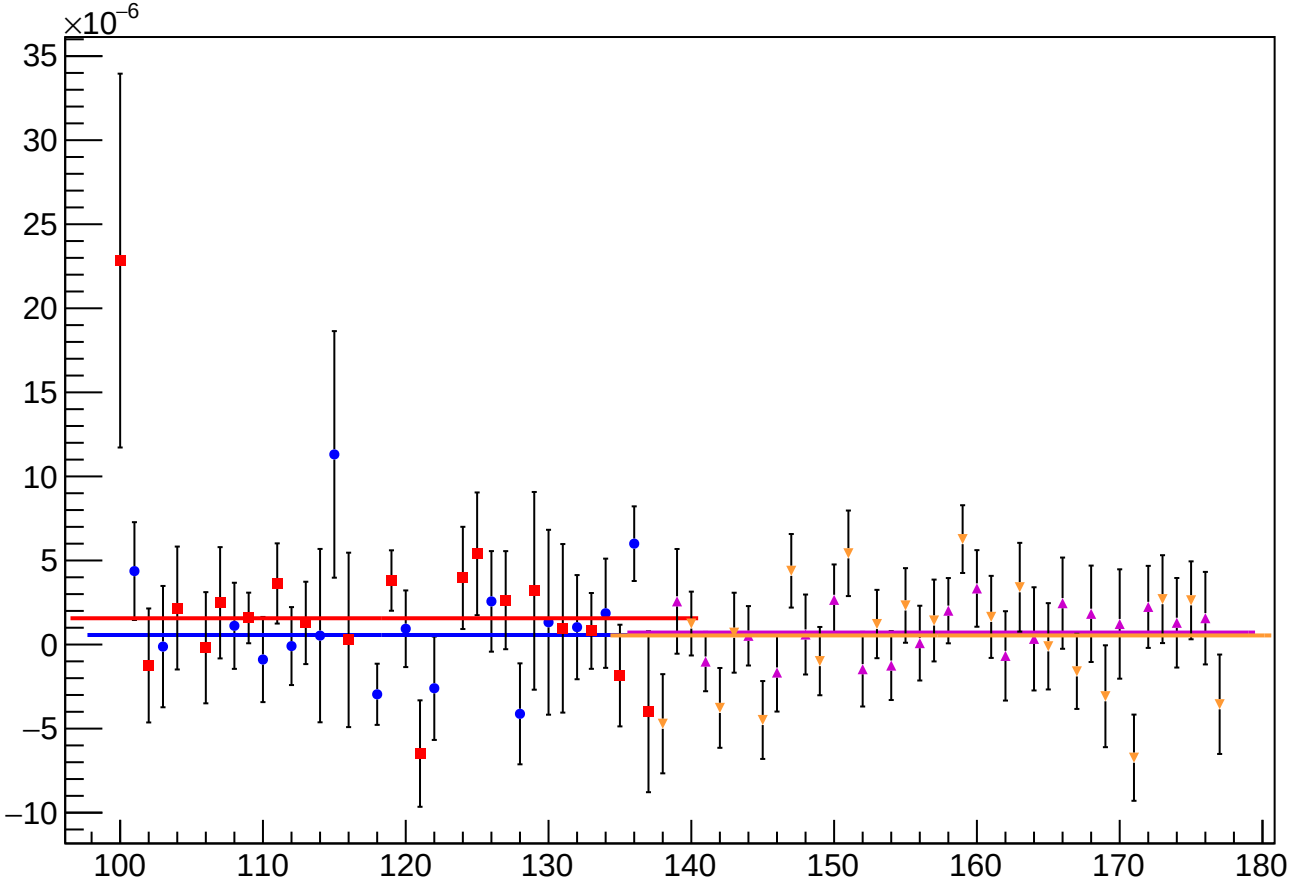
Left In: 25.074+/-0.005 χ^2/NDF:1026631.1/18

+ sign 23.641+/-0.004 χ^2/NDF: 3587561.4/36

All: 23.652+/-0.003 χ^2/NDF: 6157725.5/74

- sign 23.663+/-0.004 χ^2/NDF: 2570145.8/37

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:42.9/20

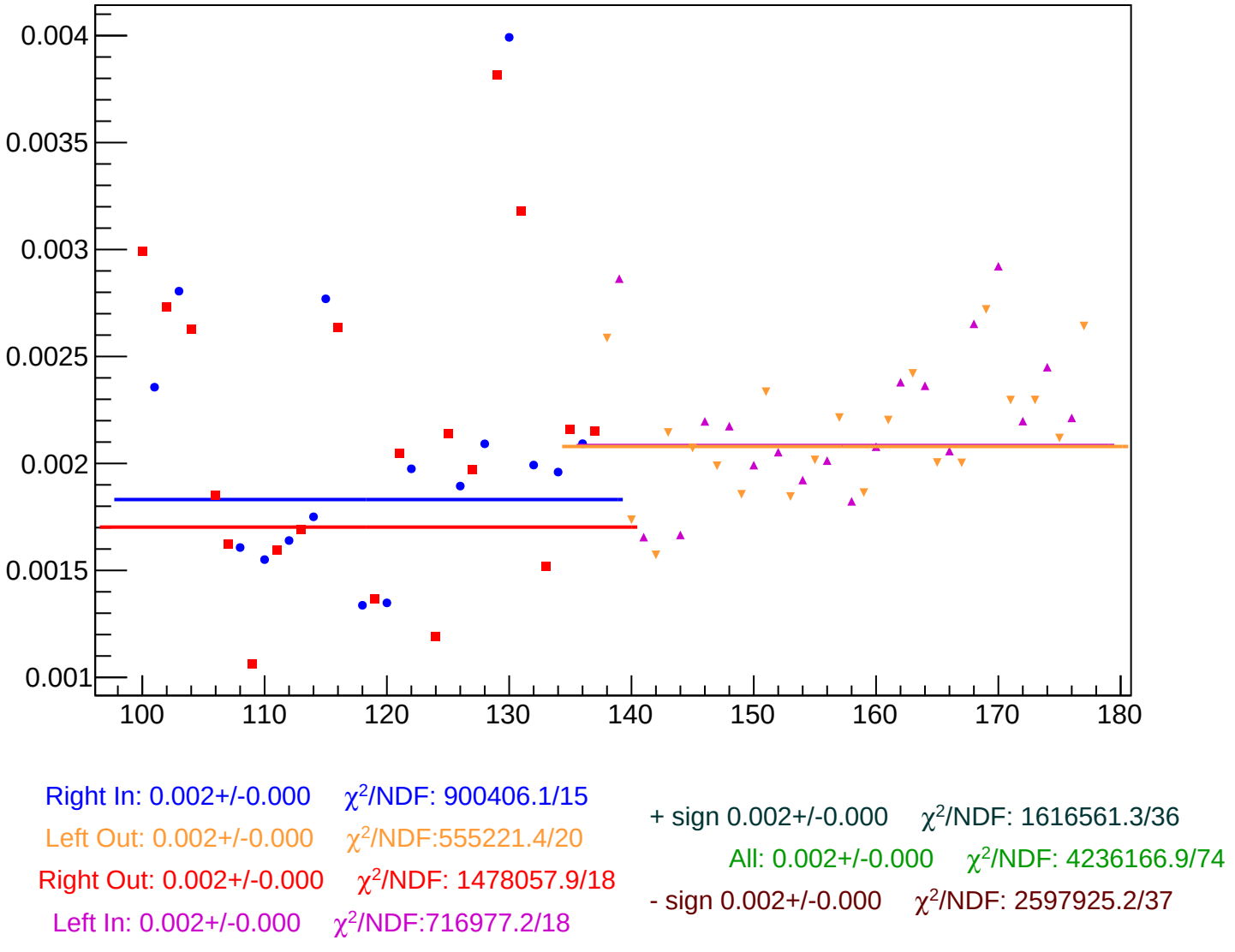
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/18

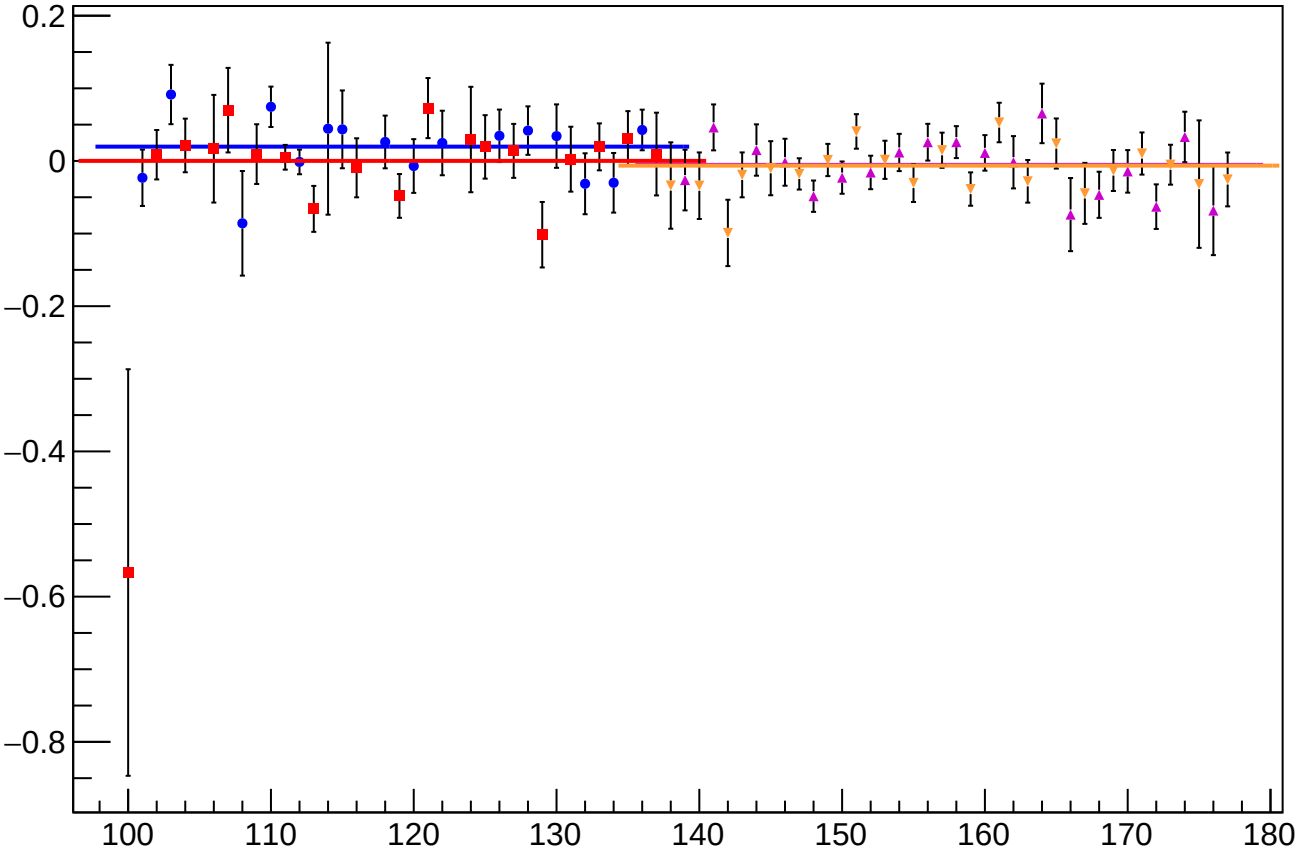
+ sign 0.000+/-0.000 χ^2/NDF: 61.2/36

All: 0.000+/-0.000 χ^2/NDF: 89.5/74

- sign 0.000+/-0.000 χ^2/NDF: 27.7/37


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:555221.4/20
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:716977.2/18
+ sign 0.002+/-0.000 χ²/NDF: 1616561.3/36
All: 0.002+/-0.000 χ²/NDF: 4236166.9/74
- sign 0.002+/-0.000 χ²/NDF: 2597925.2/37

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

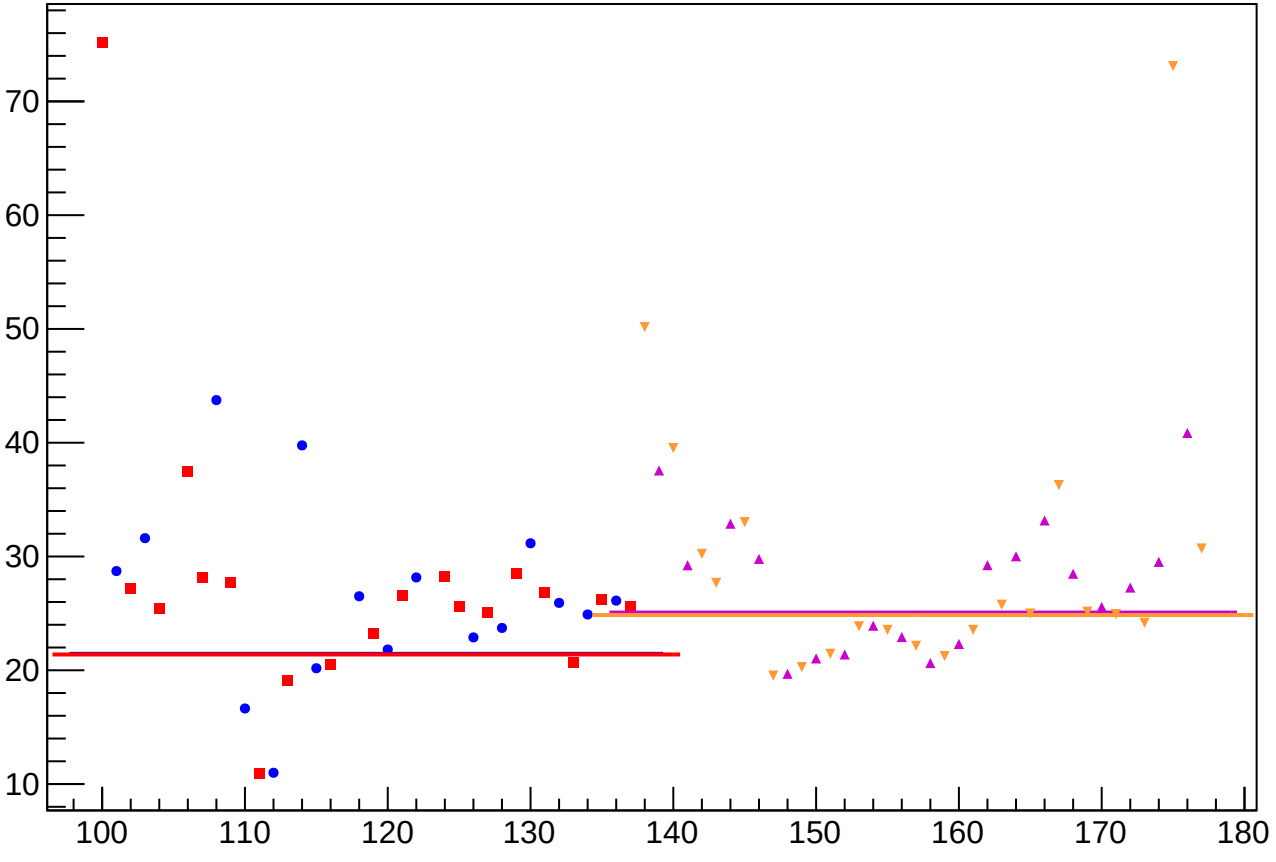
Left In: -0.005+/-0.007 χ^2/NDF:24.9/18

+ sign 0.003+/-0.005 χ^2/NDF: 43.4/36

All: -0.000+/-0.004 χ^2/NDF: 92.1/74

- sign -0.003+/-0.005 χ^2/NDF: 48.0/37

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.855+/-0.005 χ^2/NDF:1848129.2/20

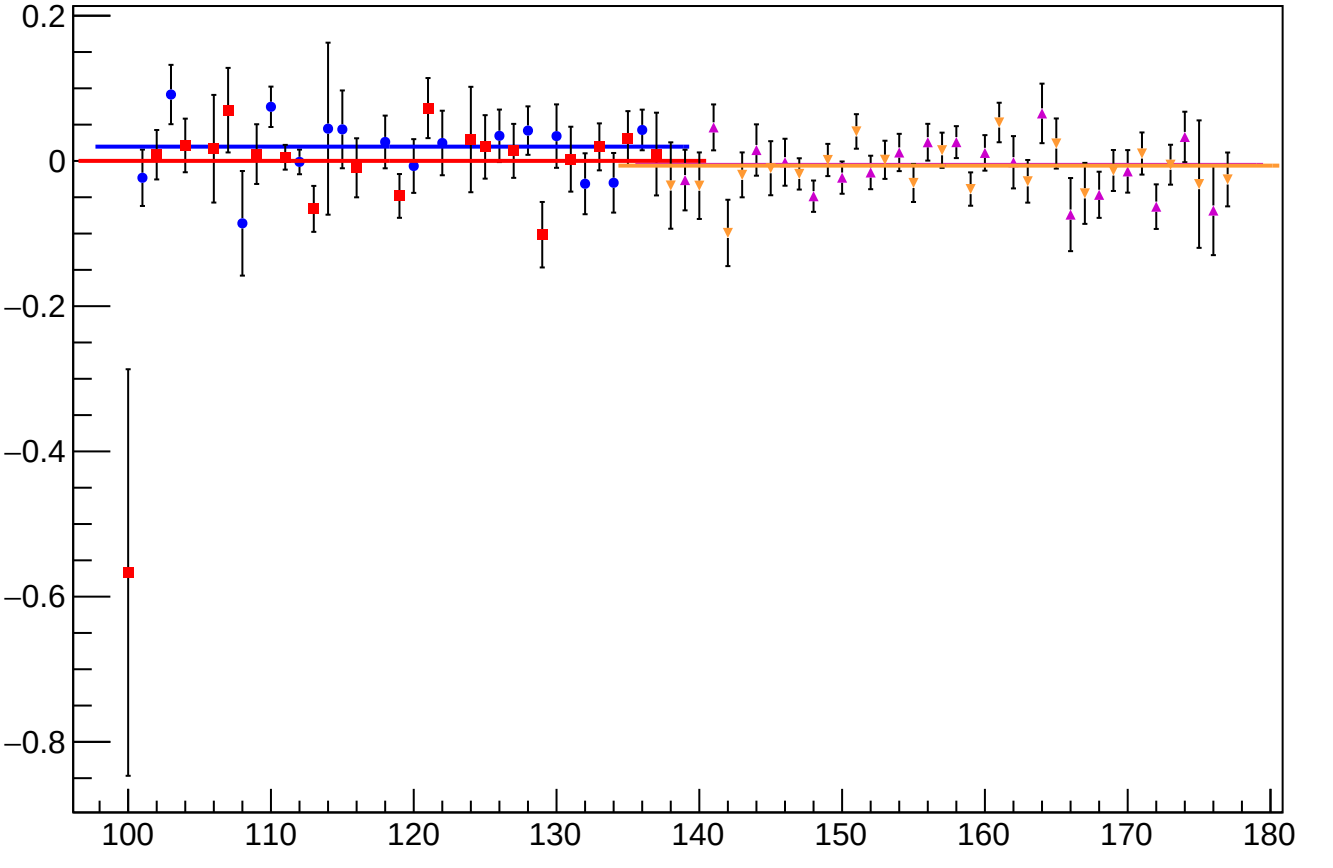
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.074+/-0.005 χ^2/NDF:1026628.6/18

+ sign 23.641+/-0.004 χ^2/NDF: 3587794.9/36

All: 23.652+/-0.003 χ^2/NDF: 6158183.1/74

- sign 23.663+/-0.004 χ^2/NDF: 2570369.9/37



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

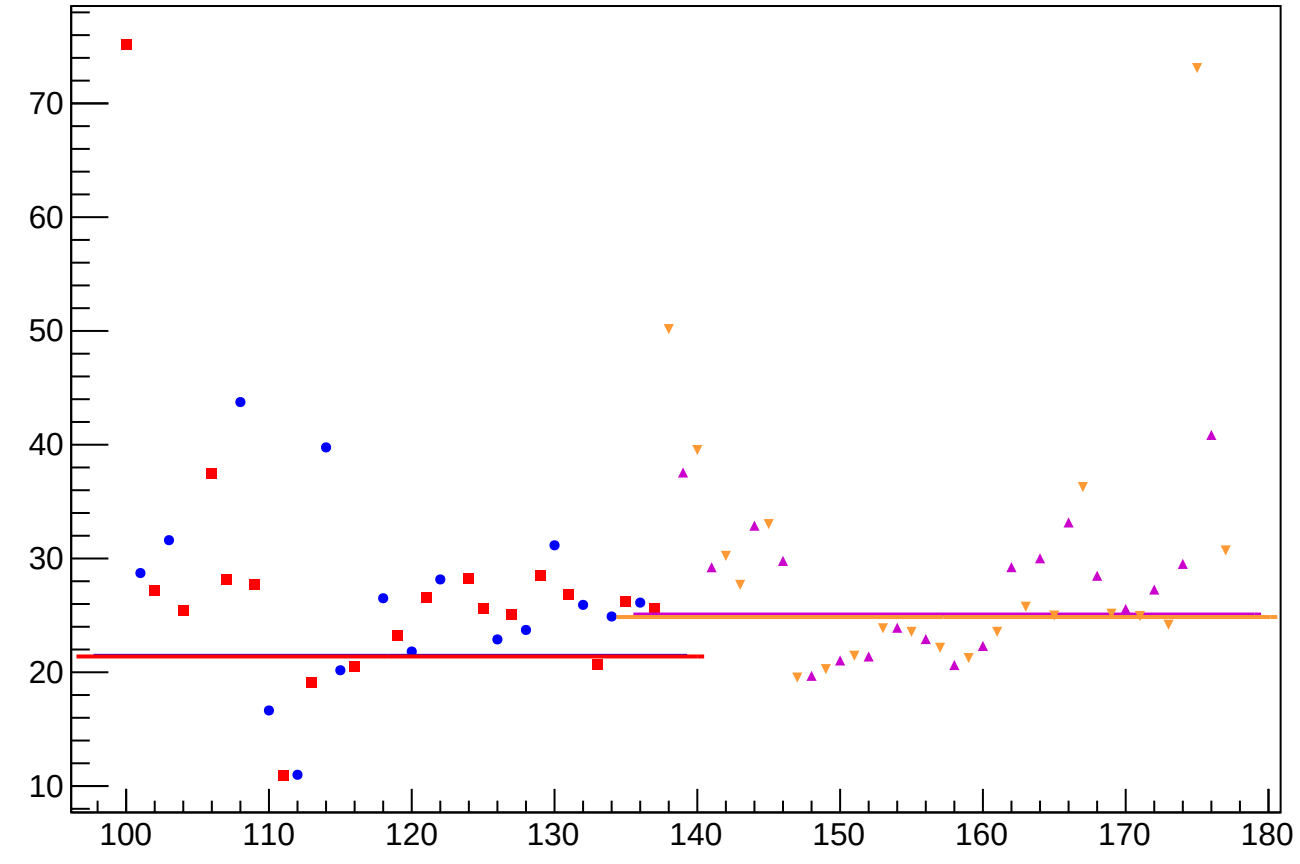
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.005+/-0.007 χ^2/NDF:24.9/18

+ sign 0.003+/-0.005 χ^2/NDF: 43.4/36

All: -0.000+/-0.004 χ^2/NDF: 92.1/74

- sign -0.003+/-0.005 χ^2/NDF: 48.0/37



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.855+/-0.005 χ^2/NDF:1848129.2/20

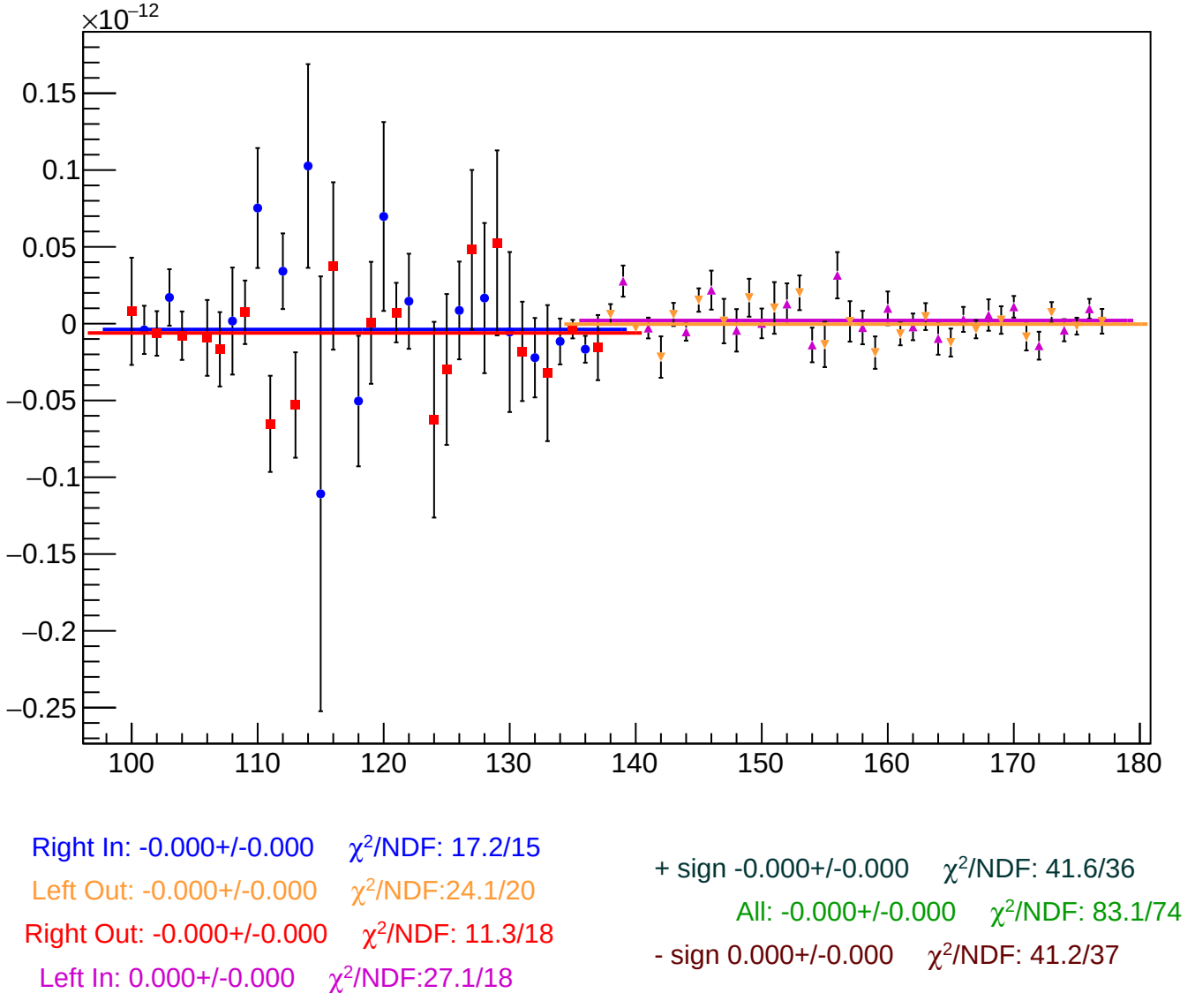
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.074+/-0.005 χ^2/NDF:1026628.6/18

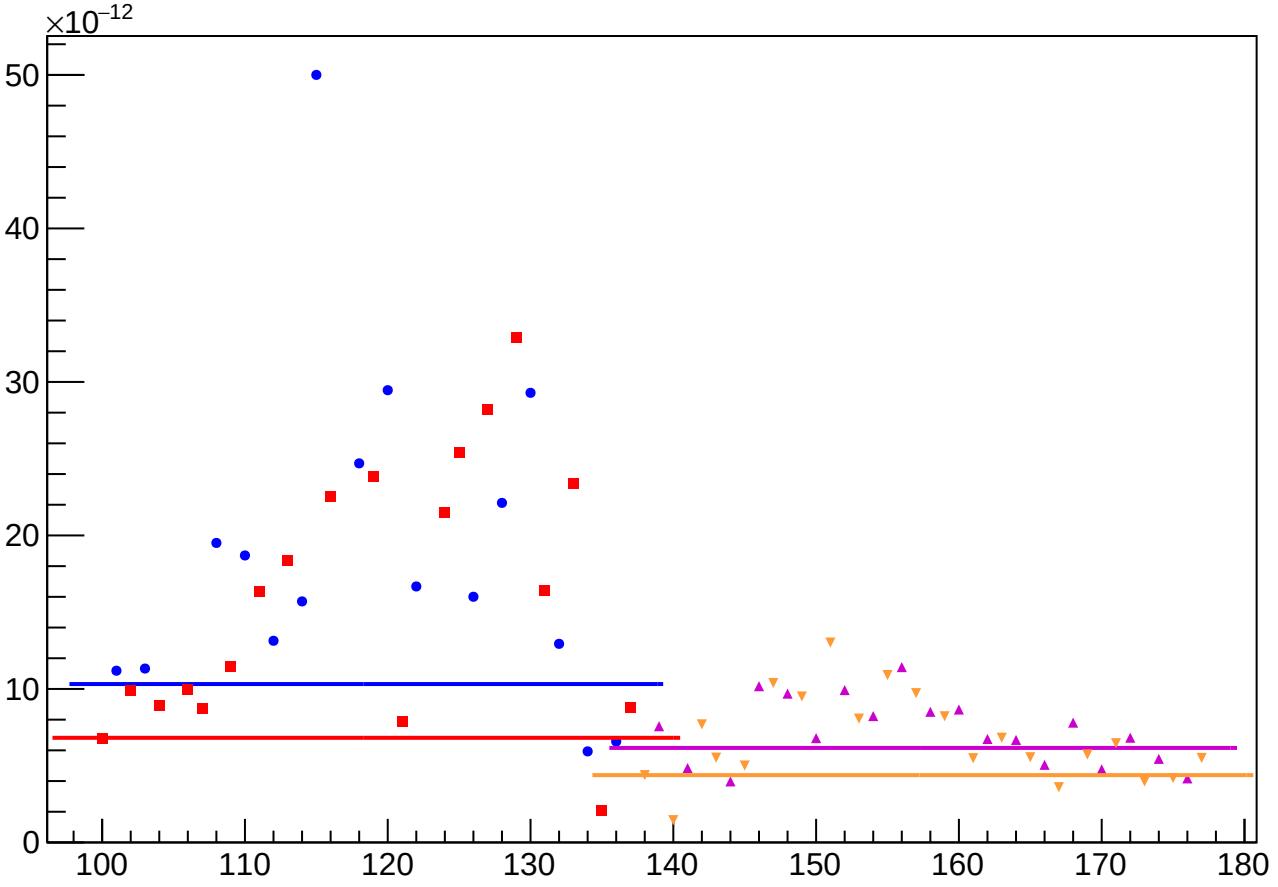
+ sign 23.641+/-0.004 χ^2/NDF: 3587794.9/36

All: 23.652+/-0.003 χ^2/NDF: 6158183.1/74

- sign 23.663+/-0.004 χ^2/NDF: 2570369.9/37


asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: -0.000+/-0.000 χ²/NDF:24.1/20
Right Out: -0.000+/-0.000 χ²/NDF: 11.3/18
Left In: 0.000+/-0.000 χ²/NDF:27.1/18
+ sign -0.000+/-0.000 χ²/NDF: 41.6/36
All: -0.000+/-0.000 χ²/NDF: 83.1/74
- sign 0.000+/-0.000 χ²/NDF: 41.2/37

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:5137156.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

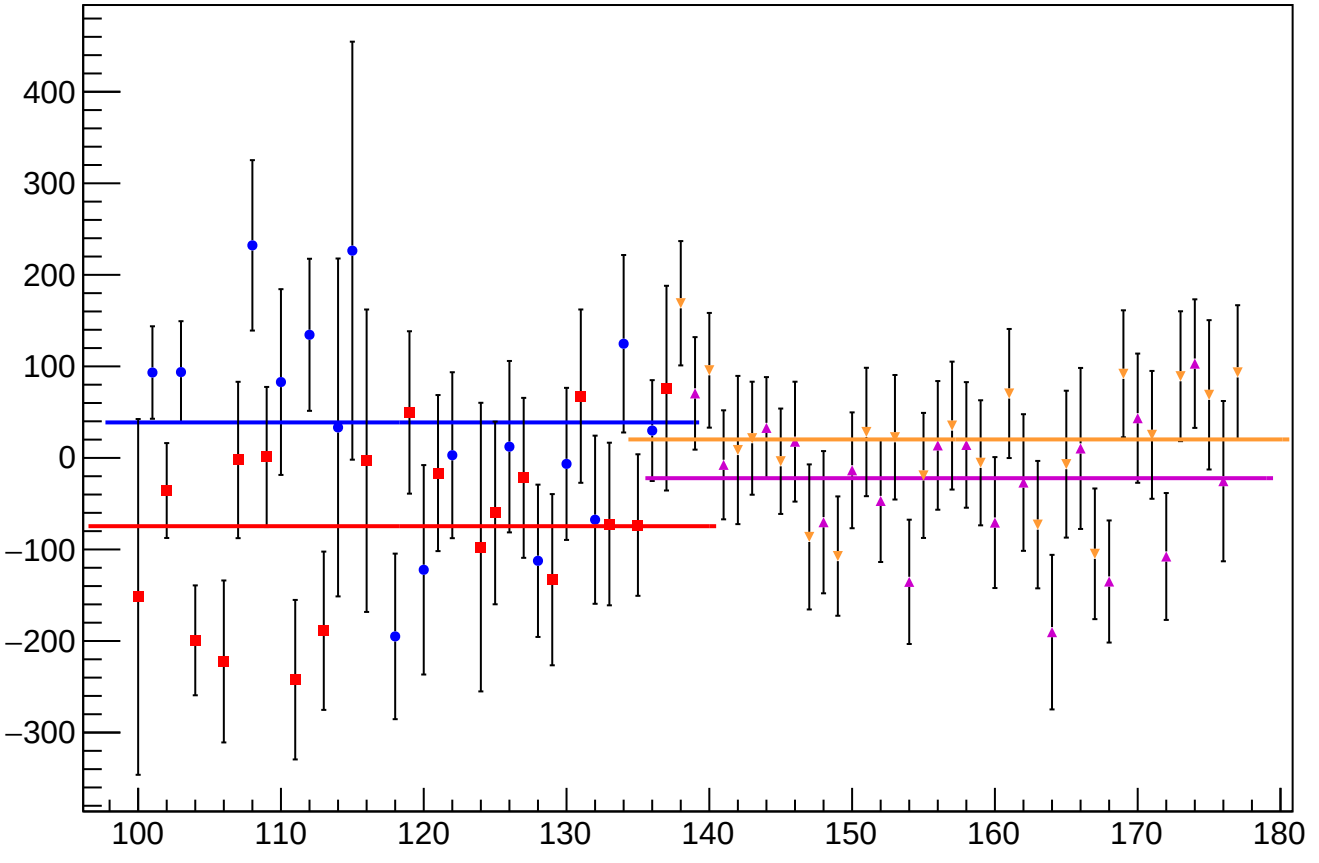
Left In: 0.000+/-0.000 χ^2/NDF:1811027.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 9237474.5/36

All: 0.000+/-0.000 χ^2/NDF: 15820520.5/74

- sign 0.000+/-0.000 χ^2/NDF: 5870735.2/37

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.202+/-15.175 χ^2/NDF:21.5/20

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

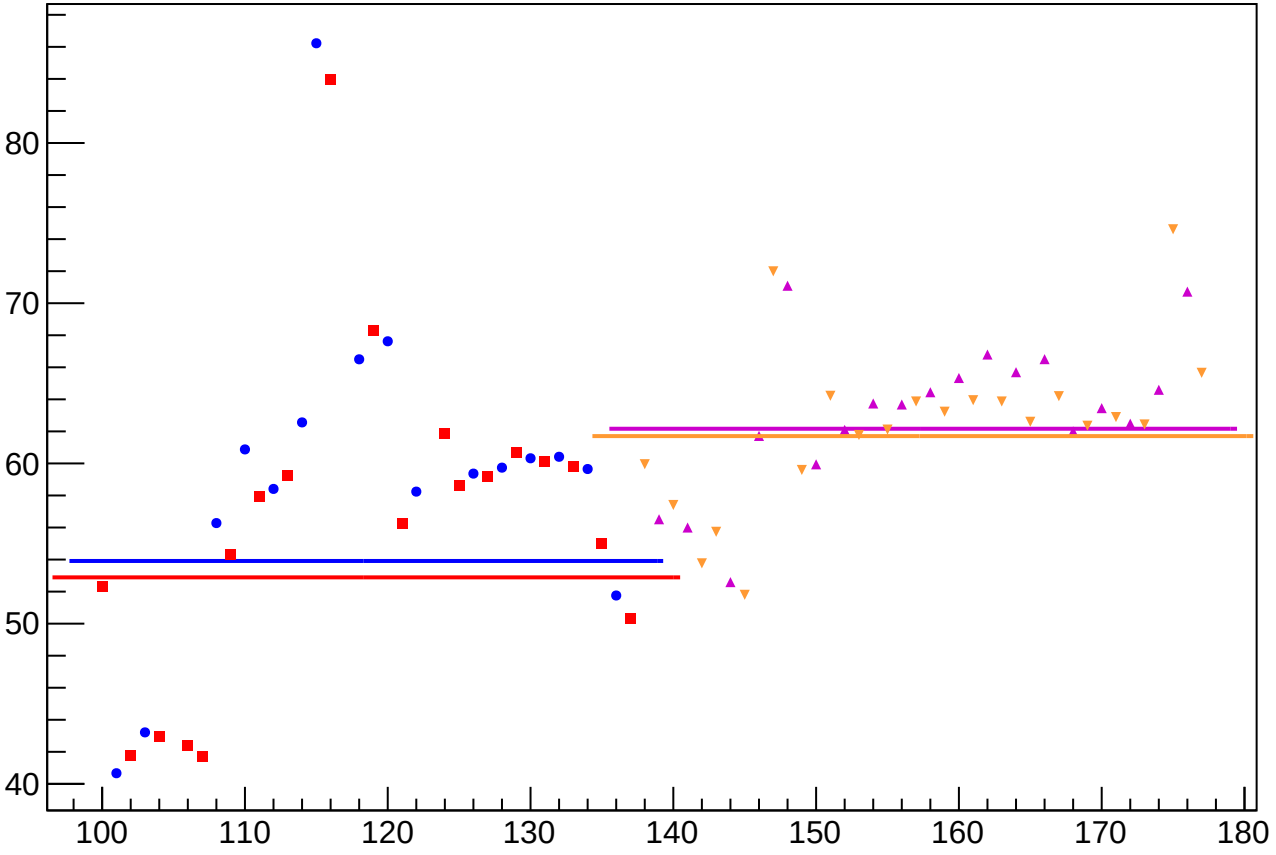
Left In: -22.133+/-15.835 χ^2/NDF:20.5/18

+ sign 26.816+/-12.179 χ^2/NDF: 45.3/36

All: -7.354+/-8.677 χ^2/NDF: 108.6/74

- sign -42.590+/-12.367 χ^2/NDF: 47.3/37

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 61.706+/-0.011 χ^2/NDF:212765.4/20

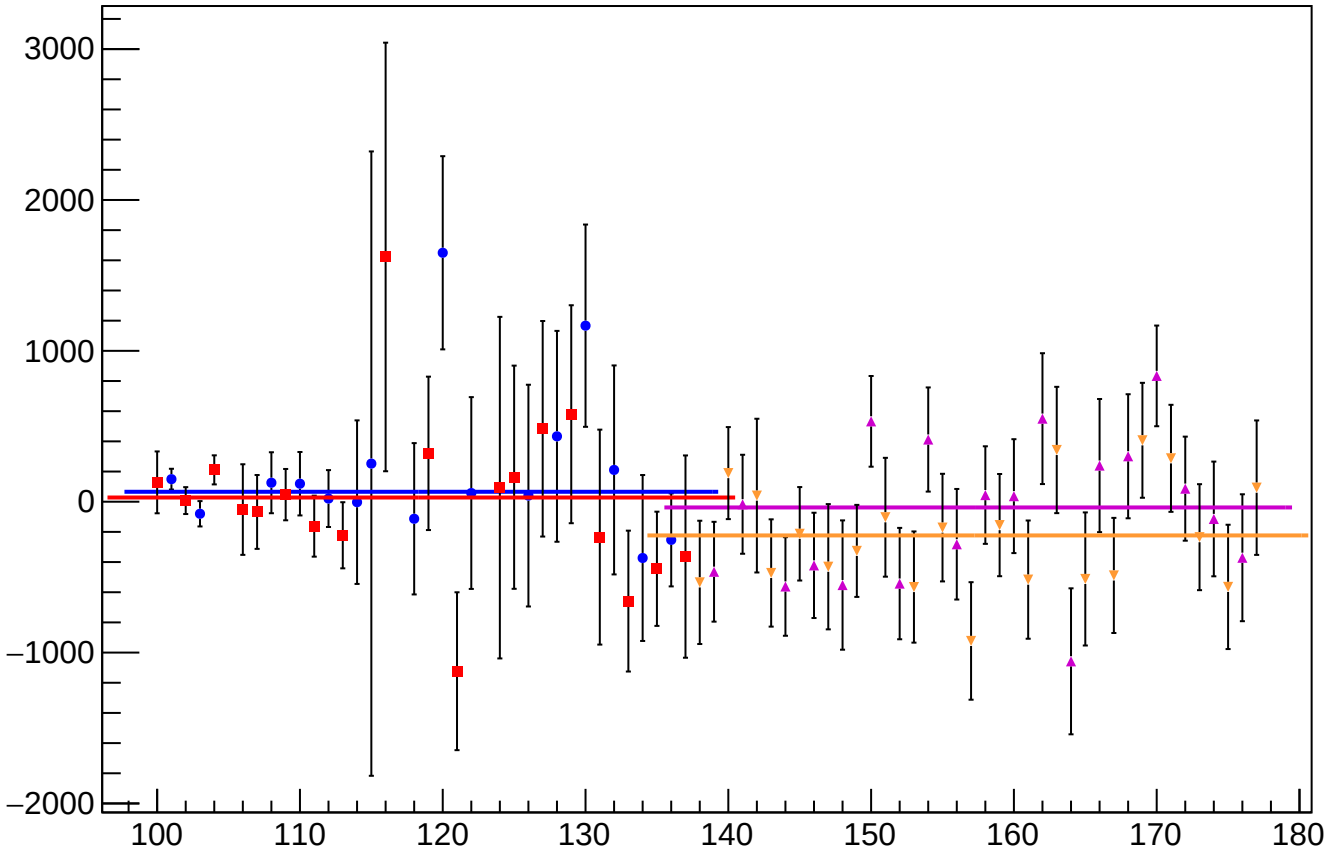
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

+ sign 58.932+/-0.009 χ^2/NDF: 793800.9/36

All: 58.742+/-0.006 χ^2/NDF: 1660964.7/74

- sign 58.547+/-0.009 χ^2/NDF: 866179.1/37



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -223.475+/-81.498 χ^2/NDF:17.1/20

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

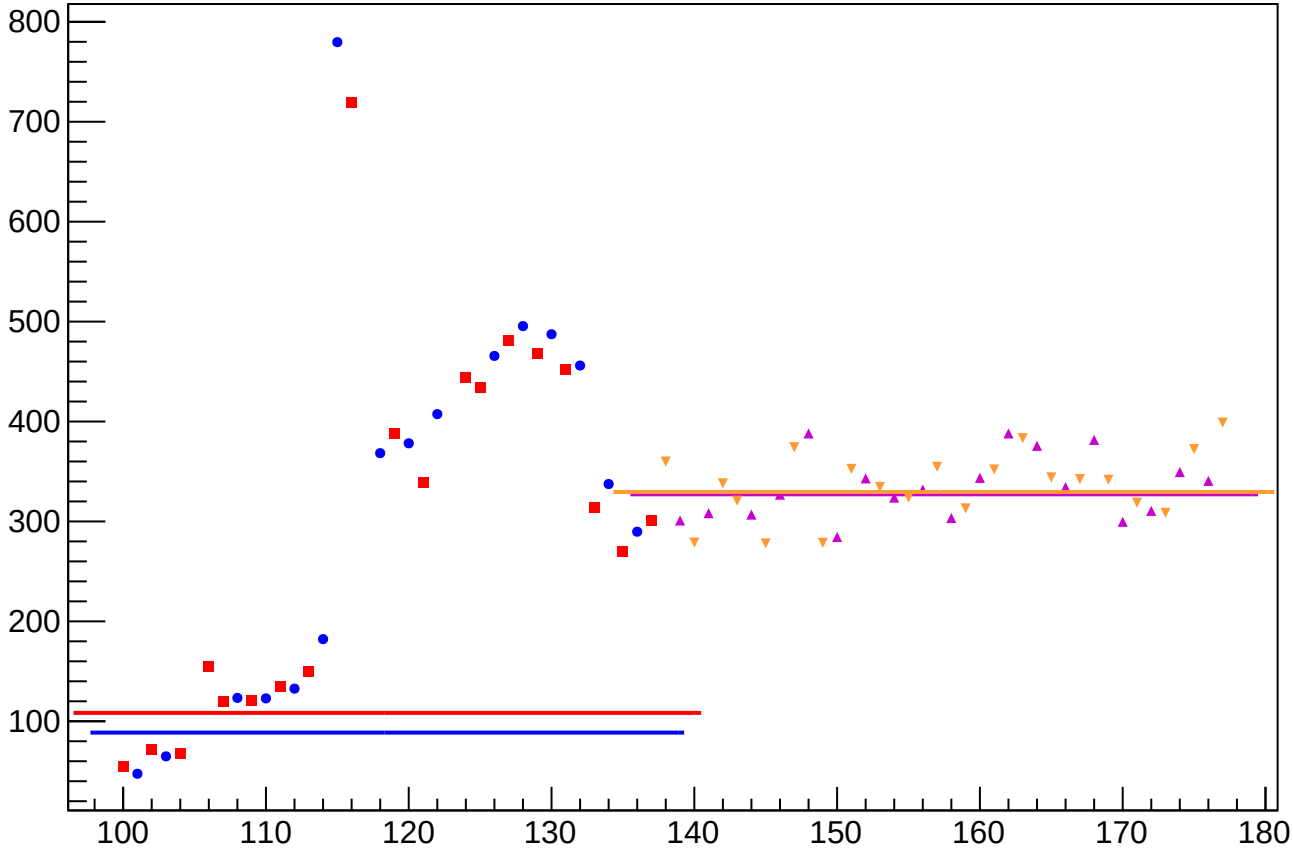
Left In: -38.032+/-83.660 χ^2/NDF:29.6/18

+ sign -5.155+/-40.374 χ^2/NDF: 42.3/36

All: 2.097+/-29.466 χ^2/NDF: 90.4/74

- sign 10.362+/-43.103 χ^2/NDF: 48.0/37

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 329.429+/-0.058 χ^2/NDF:348345.5/20

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

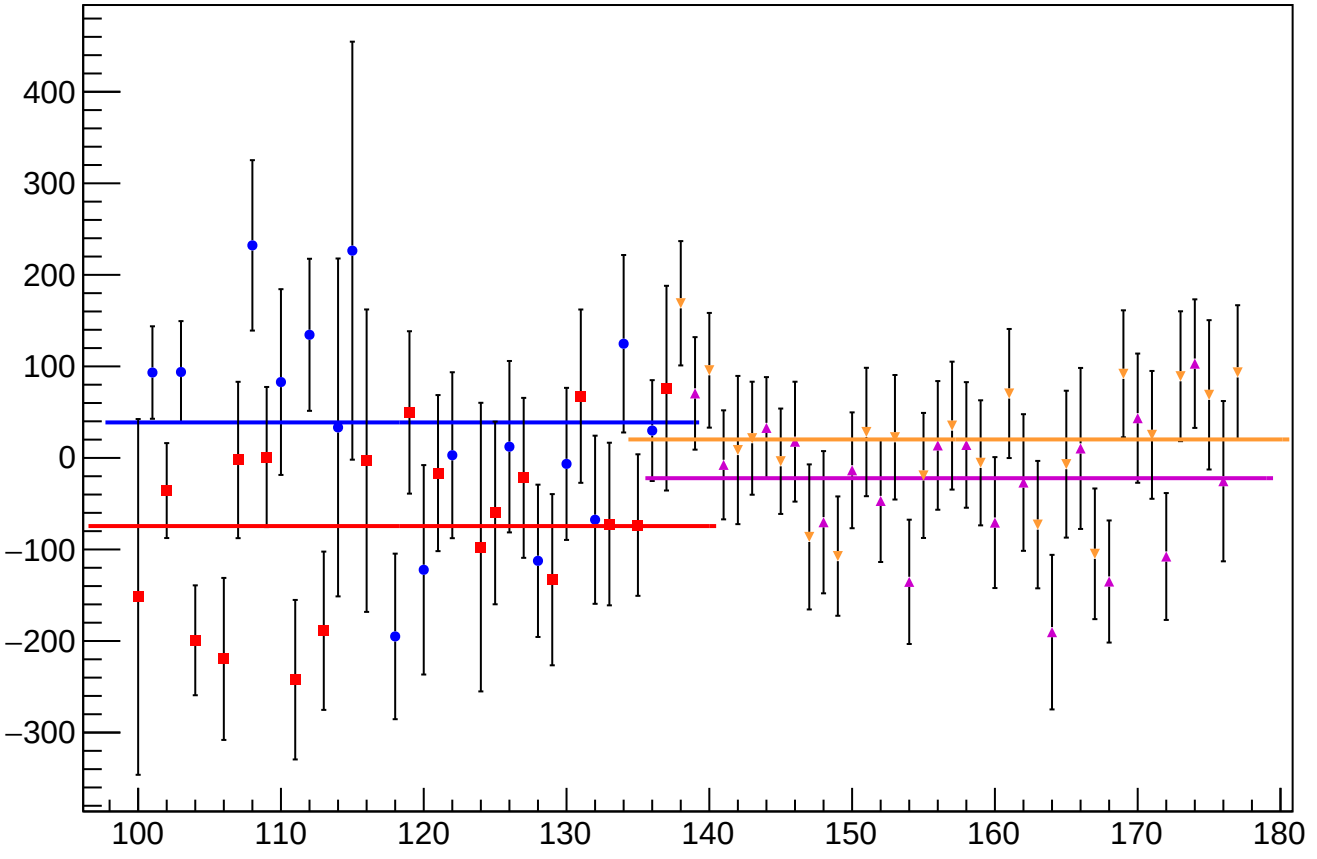
Left In: 327.136+/-0.059 χ^2/NDF:248808.1/18

+ sign 147.749+/-0.029 χ^2/NDF: 20168416.0/36

All: 156.490+/-0.021 χ^2/NDF: 36024955.9/74

- sign 166.452+/-0.030 χ^2/NDF: 15655959.8/37

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.203+/-15.175 χ^2/NDF:21.5/20

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

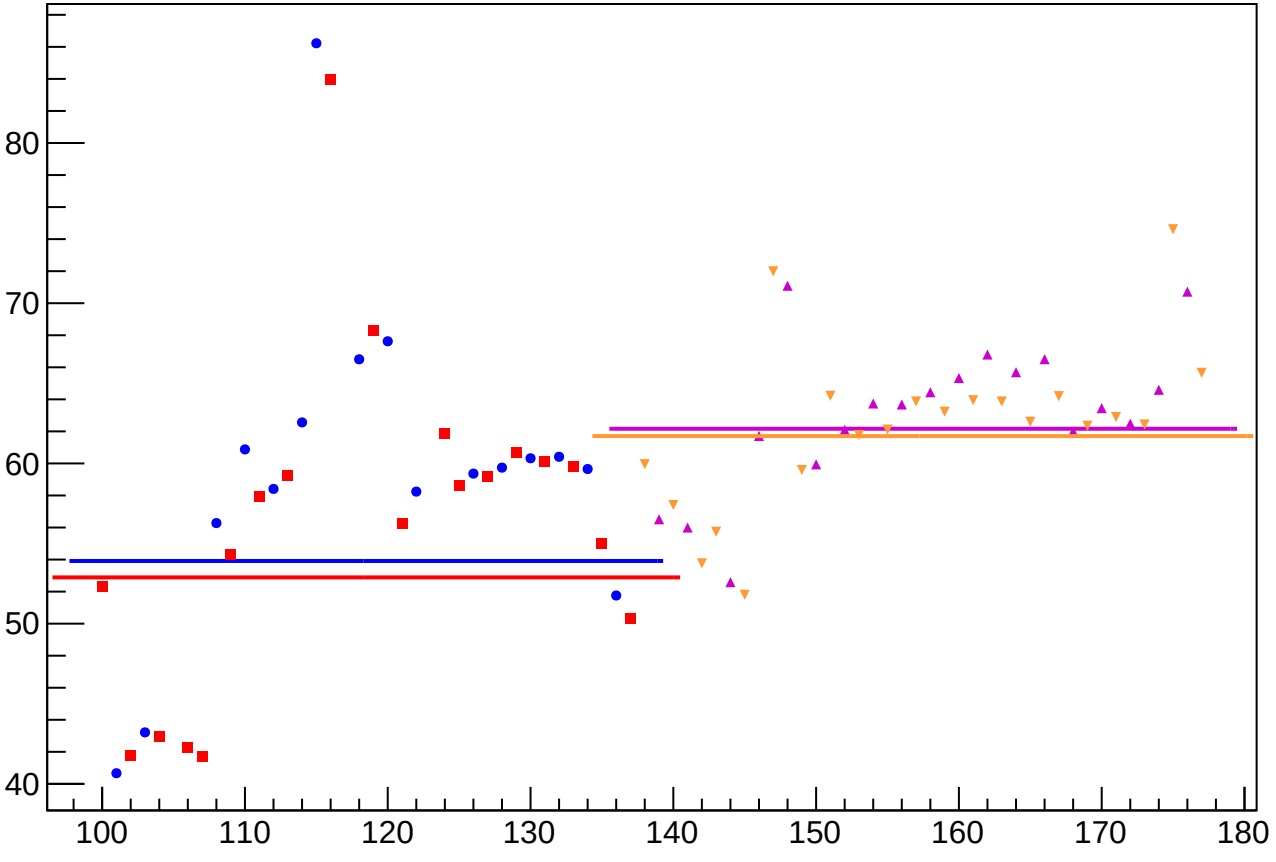
Left In: -22.133+/-15.835 χ^2/NDF:20.5/18

+ sign 26.820+/-12.179 χ^2/NDF: 45.3/36

All: -7.324+/-8.678 χ^2/NDF: 108.4/74

- sign -42.535+/-12.367 χ^2/NDF: 47.1/37

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.706+/-0.011 χ^2/NDF:212765.4/20

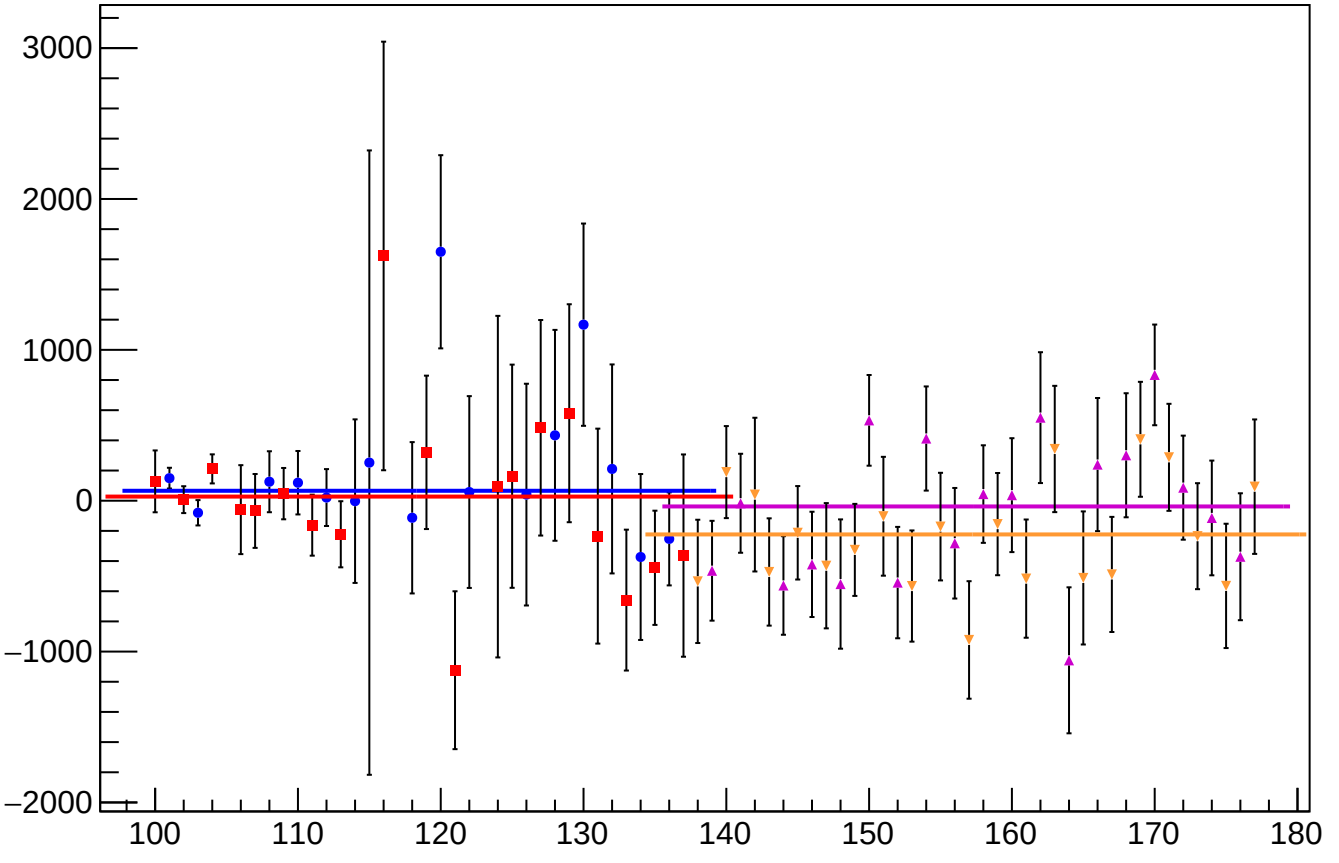
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

+ sign 58.932+/-0.009 χ^2/NDF: 793799.9/36

All: 58.742+/-0.006 χ^2/NDF: 1661380.7/74

- sign 58.546+/-0.009 χ^2/NDF: 866593.2/37



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -223.474+/-81.498 χ^2/NDF:17.1/20

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

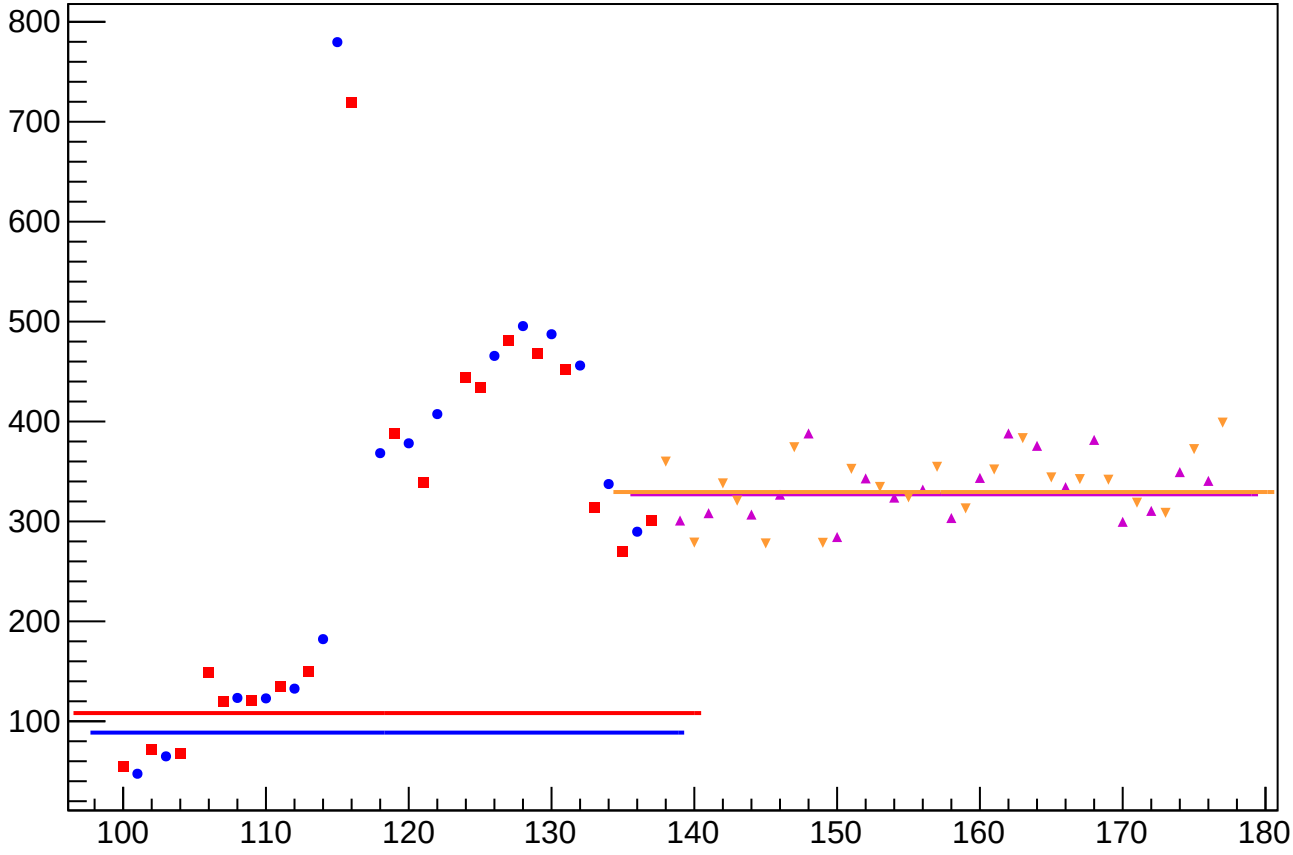
Left In: -38.030+/-83.660 χ^2/NDF:29.6/18

+ sign -5.149+/-40.373 χ^2/NDF: 42.3/36

All: 1.962+/-29.457 χ^2/NDF: 90.4/74

- sign 10.058+/-43.076 χ^2/NDF: 48.1/37

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 329.429+/-0.058 χ^2/NDF:348341.9/20

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

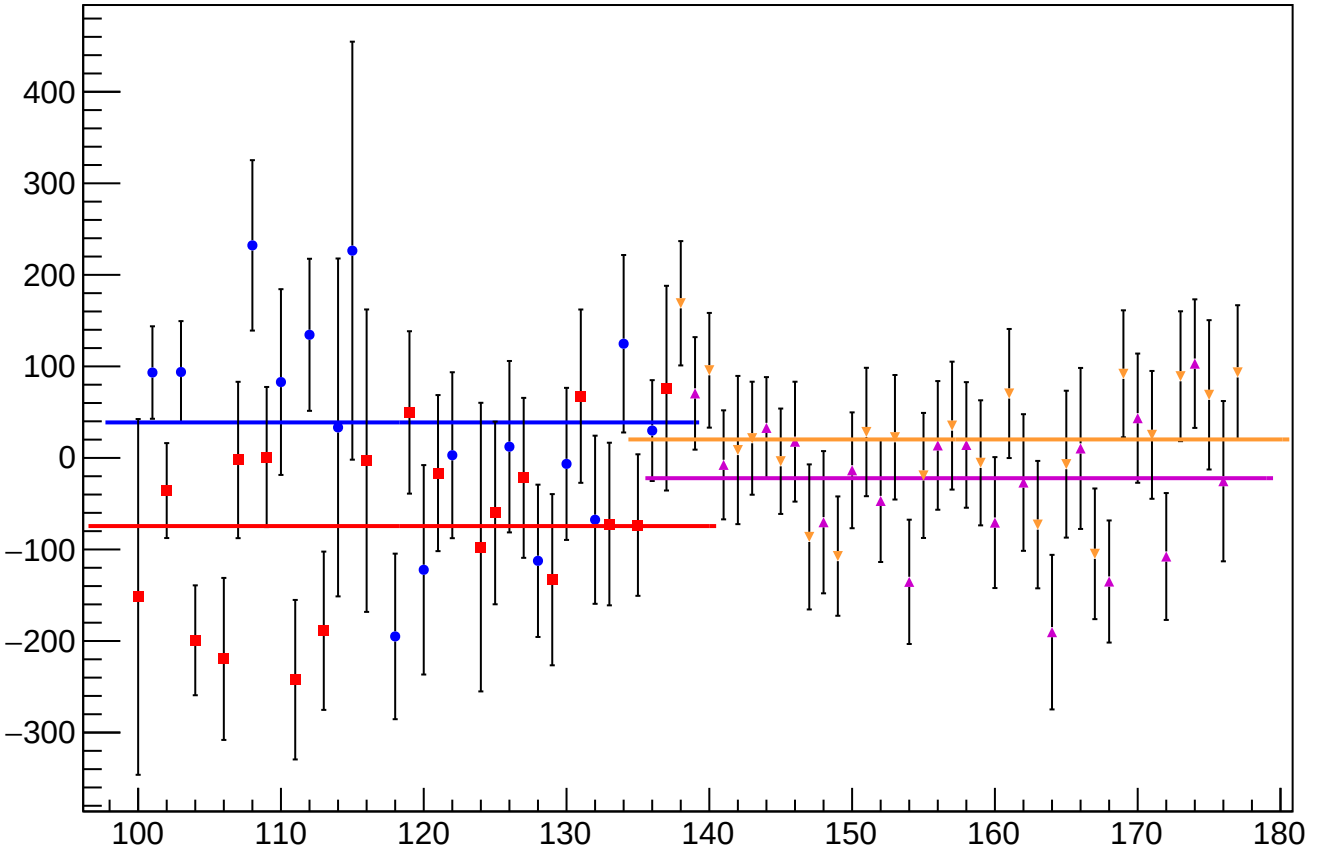
Left In: 327.136+/-0.059 χ^2/NDF:248813.3/18

+ sign 147.745+/-0.029 χ^2/NDF: 20168918.4/36

All: 156.398+/-0.021 χ^2/NDF: 36034292.9/74

- sign 166.248+/-0.030 χ^2/NDF: 15668925.5/37

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.203+/-15.175 χ^2/NDF:21.5/20

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

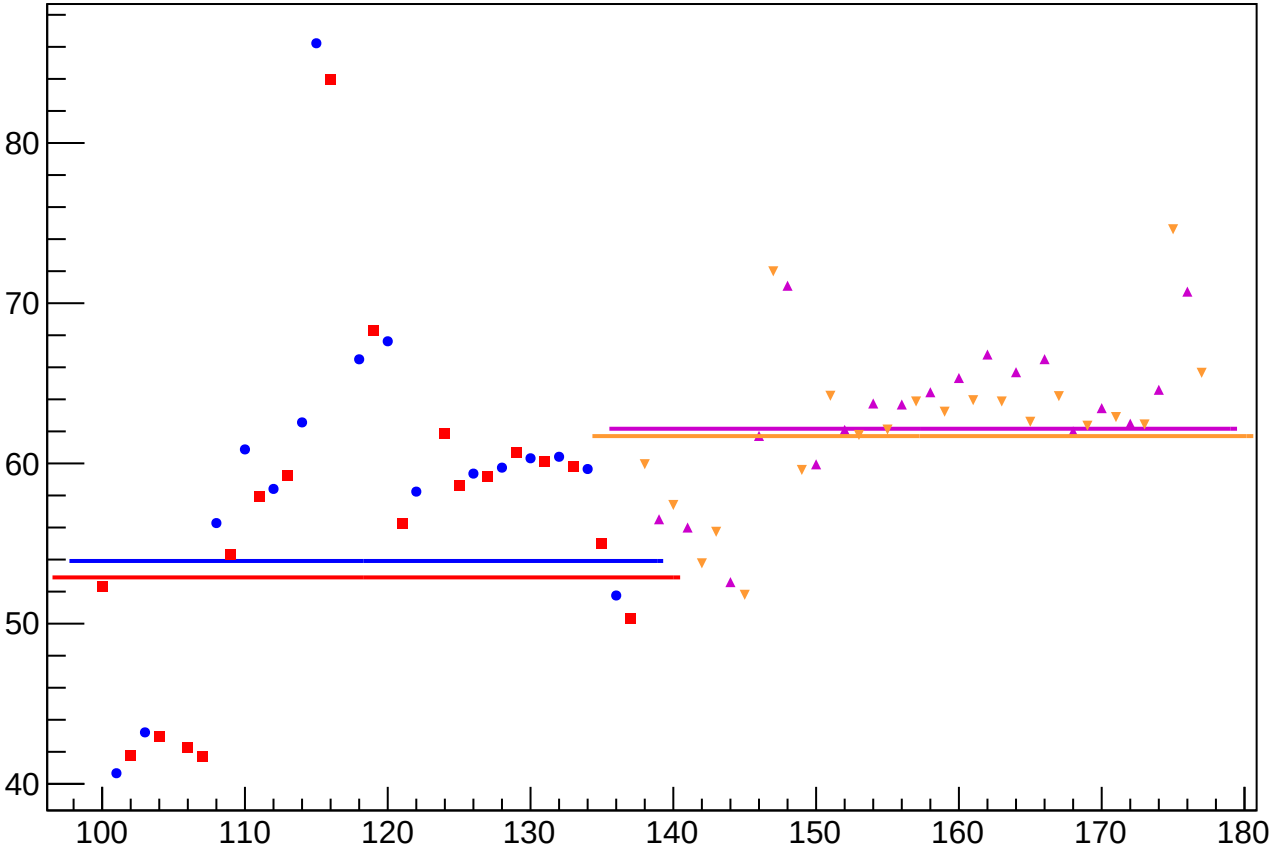
Left In: -22.133+/-15.835 χ^2/NDF:20.5/18

+ sign 26.820+/-12.179 χ^2/NDF: 45.3/36

All: -7.324+/-8.678 χ^2/NDF: 108.4/74

- sign -42.535+/-12.367 χ^2/NDF: 47.1/37

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.706+/-0.011 χ^2/NDF:212765.4/20

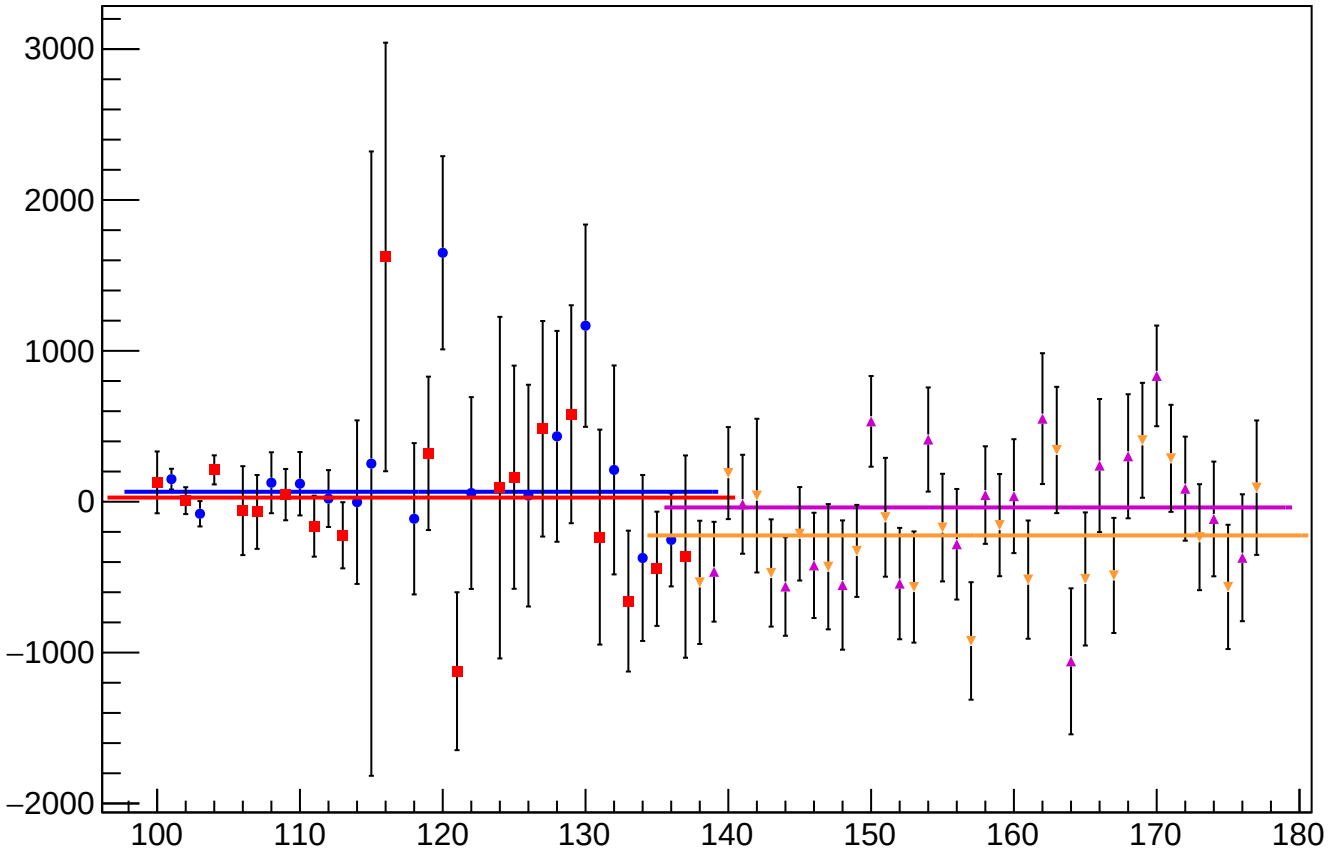
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

+ sign 58.932+/-0.009 χ^2/NDF: 793799.9/36

All: 58.742+/-0.006 χ^2/NDF: 1661380.7/74

- sign 58.546+/-0.009 χ^2/NDF: 866593.2/37



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -223.474+/-81.498 χ^2/NDF:17.1/20

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

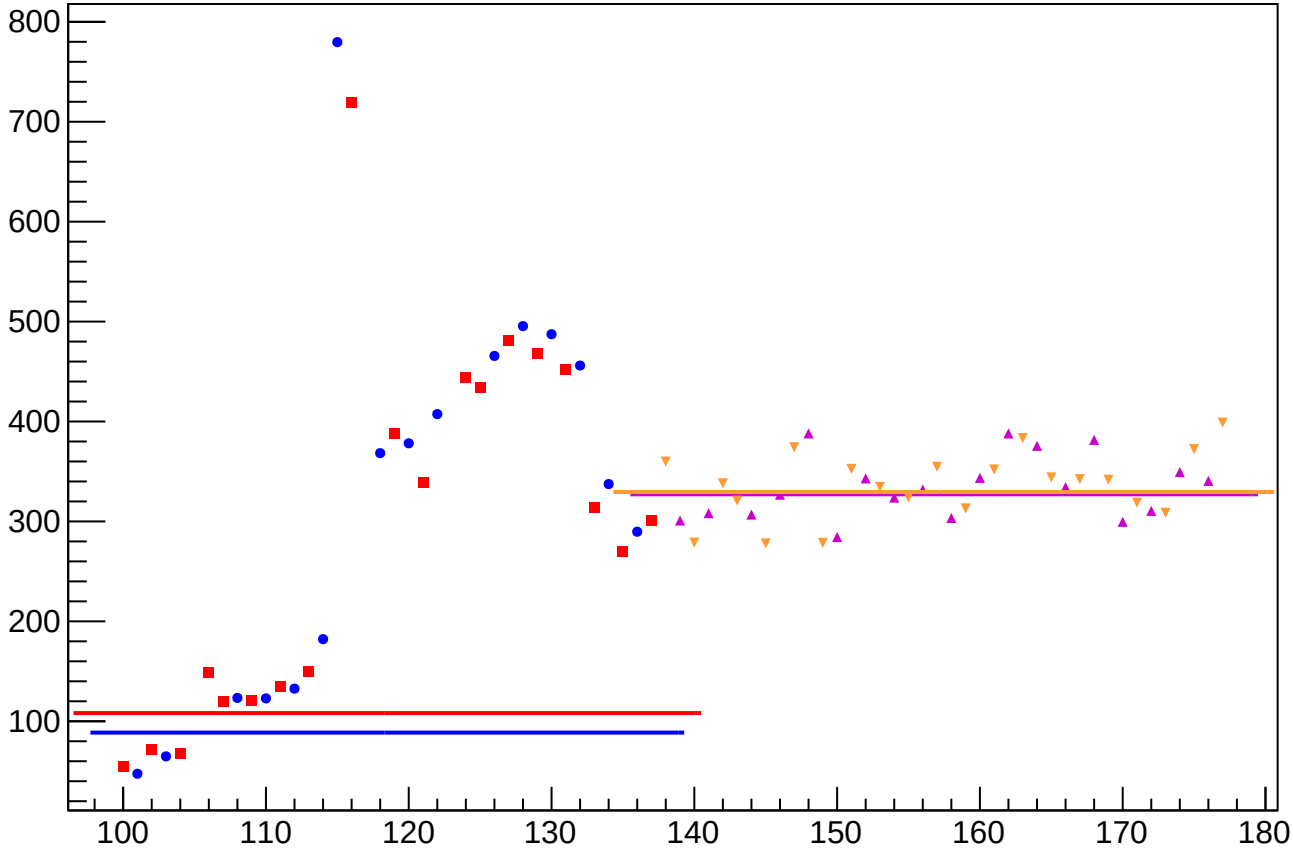
Left In: -38.030+/-83.660 χ^2/NDF:29.6/18

+ sign -5.149+/-40.373 χ^2/NDF: 42.3/36

All: 1.962+/-29.457 χ^2/NDF: 90.4/74

- sign 10.058+/-43.076 χ^2/NDF: 48.1/37

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 329.429+/-0.058 χ^2/NDF:348341.9/20

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

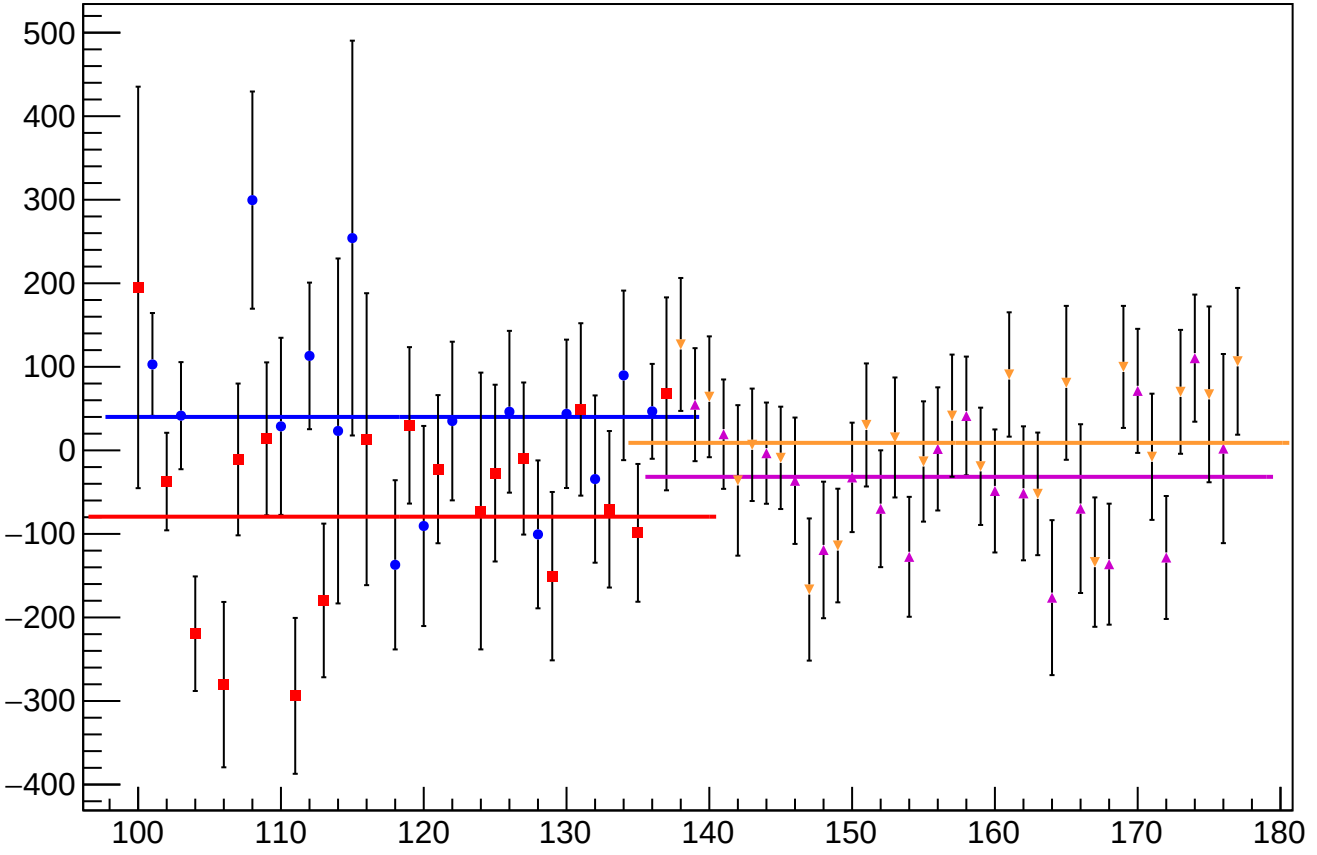
Left In: 327.136+/-0.059 χ^2/NDF:248813.3/18

+ sign 147.745+/-0.029 χ^2/NDF: 20168918.4/36

All: 156.398+/-0.021 χ^2/NDF: 36034292.9/74

- sign 166.248+/-0.030 χ^2/NDF: 15668925.5/37

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.995+/-16.462 χ^2/NDF:20.9/20

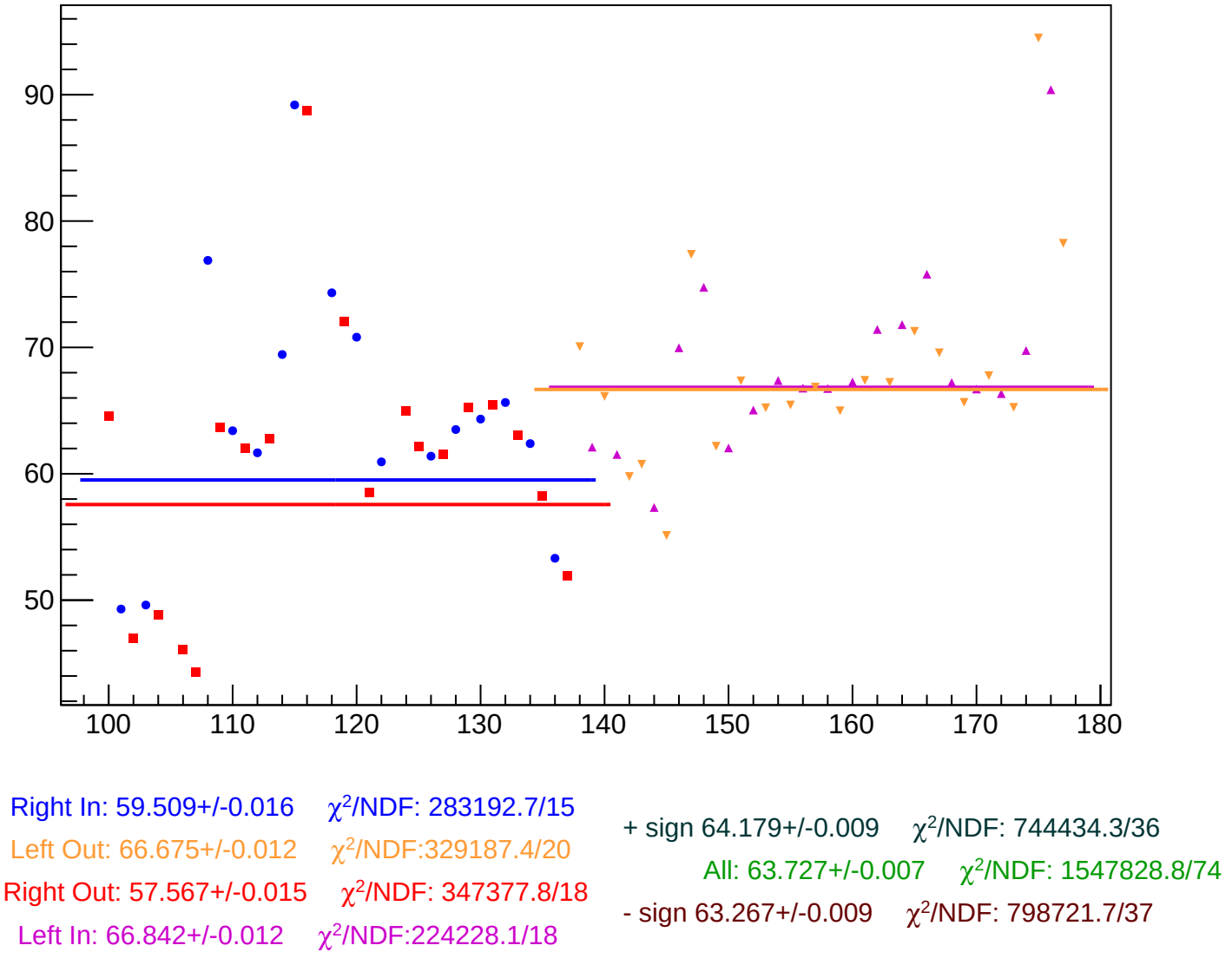
Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

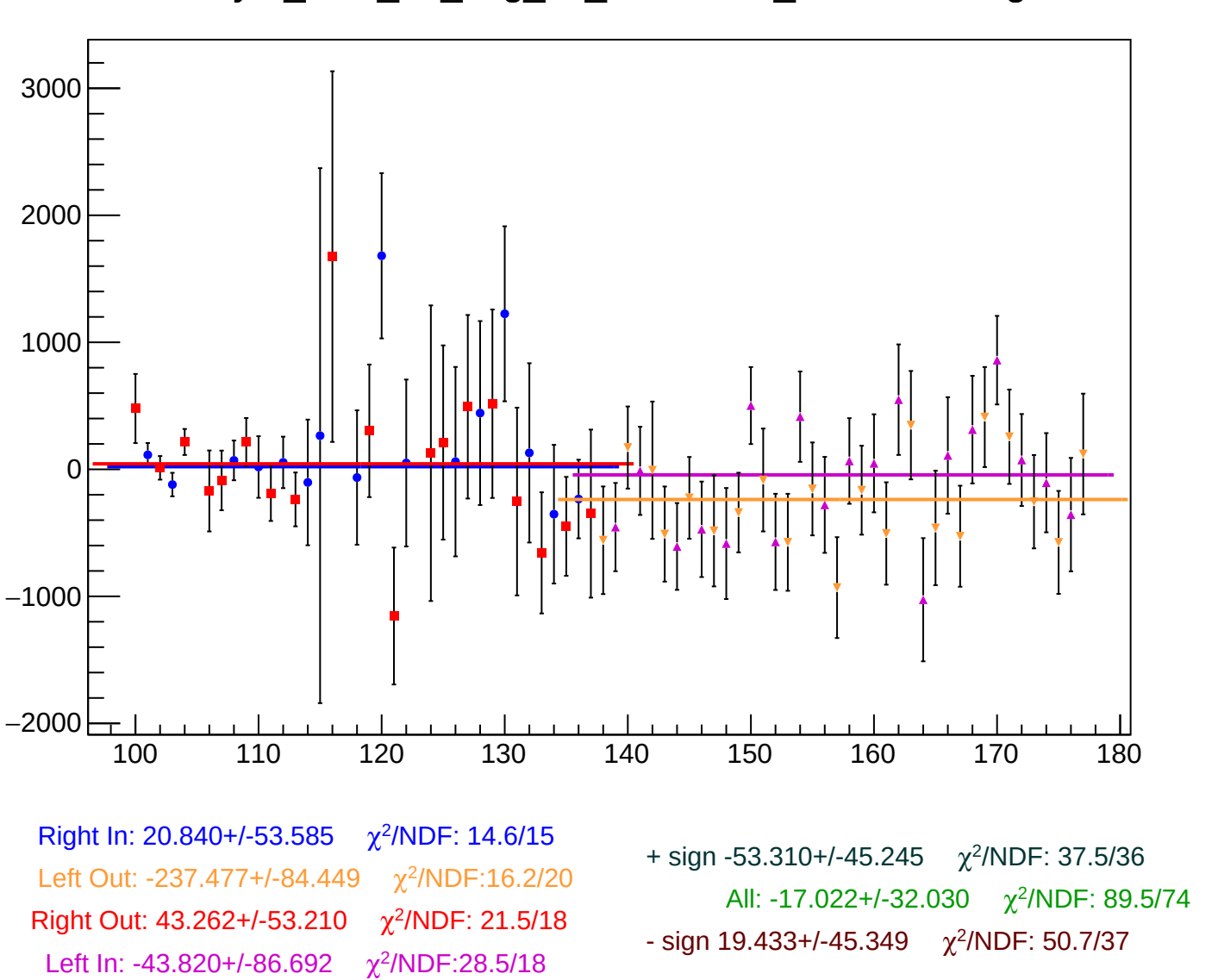
Left In: -31.671+/-17.089 χ^2/NDF:18.9/18

+ sign 19.806+/-13.289 χ^2/NDF: 36.3/36

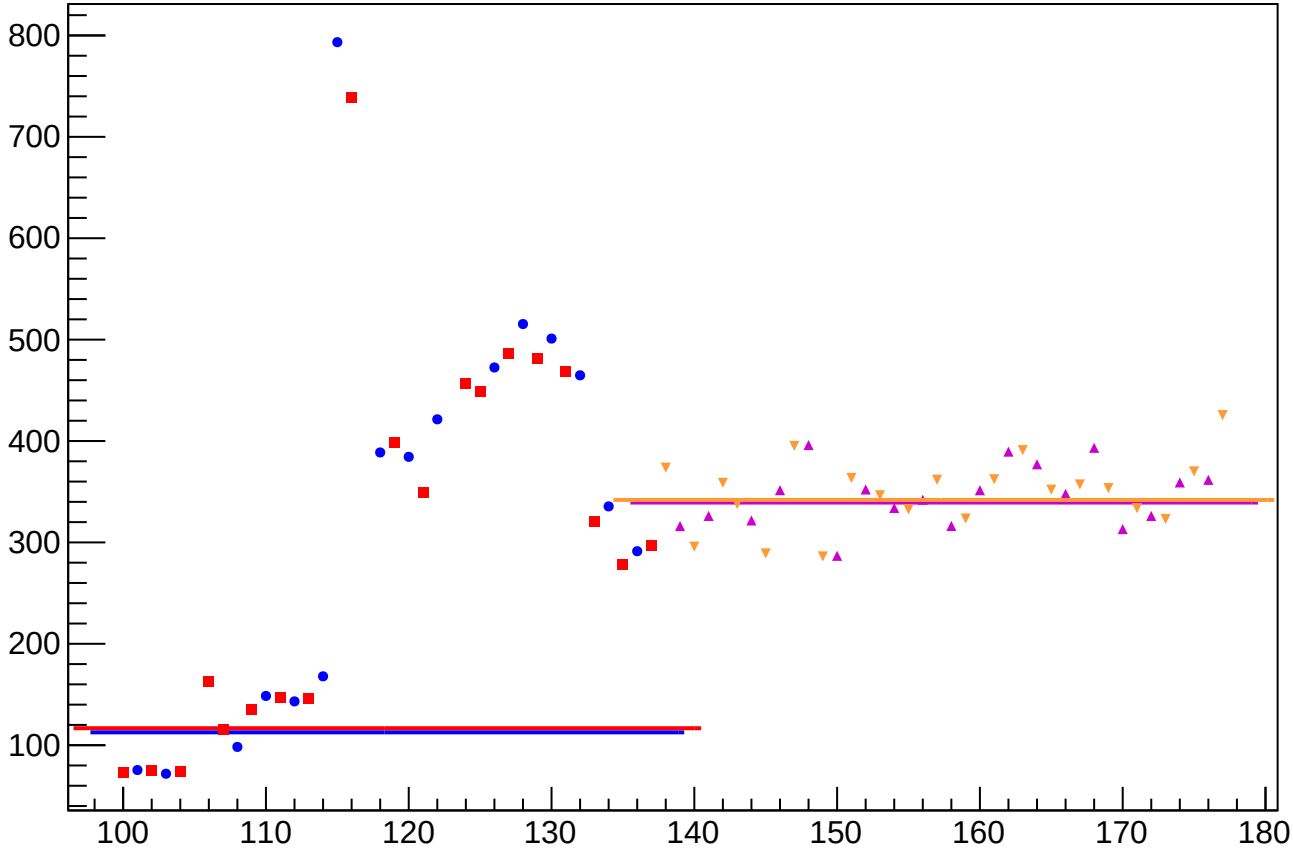
All: -14.845+/-9.434 χ^2/NDF: 96.7/74

- sign -50.061+/-13.396 χ^2/NDF: 46.8/37


dit_asym_sam_15_avg_rms vs Slug
90
80
70
60
50
100
110
120
130
140
150
160
170
180
Right In: 59.509+/-0.016 χ²/NDF: 283192.7/15
Left Out: 66.675+/-0.012 χ²/NDF:329187.4/20
Right Out: 57.567+/-0.015 χ²/NDF: 347377.8/18
Left In: 66.842+/-0.012 χ²/NDF:224228.1/18
+ sign 64.179+/-0.009 χ²/NDF: 744434.3/36
All: 63.727+/-0.007 χ²/NDF: 1547828.8/74
- sign 63.267+/-0.009 χ²/NDF: 798721.7/37


asym_sam_15_avg_dit_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: 20.840+/-53.585 χ²/NDF: 14.6/15
Left Out: -237.477+/-84.449 χ²/NDF:16.2/20
Right Out: 43.262+/-53.210 χ²/NDF: 21.5/18
Left In: -43.820+/-86.692 χ²/NDF:28.5/18
+ sign -53.310+/-45.245 χ²/NDF: 37.5/36
All: -17.022+/-32.030 χ²/NDF: 89.5/74
- sign 19.433+/-45.349 χ²/NDF: 50.7/37

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 341.895+/-0.060 χ^2/NDF:333635.5/20

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

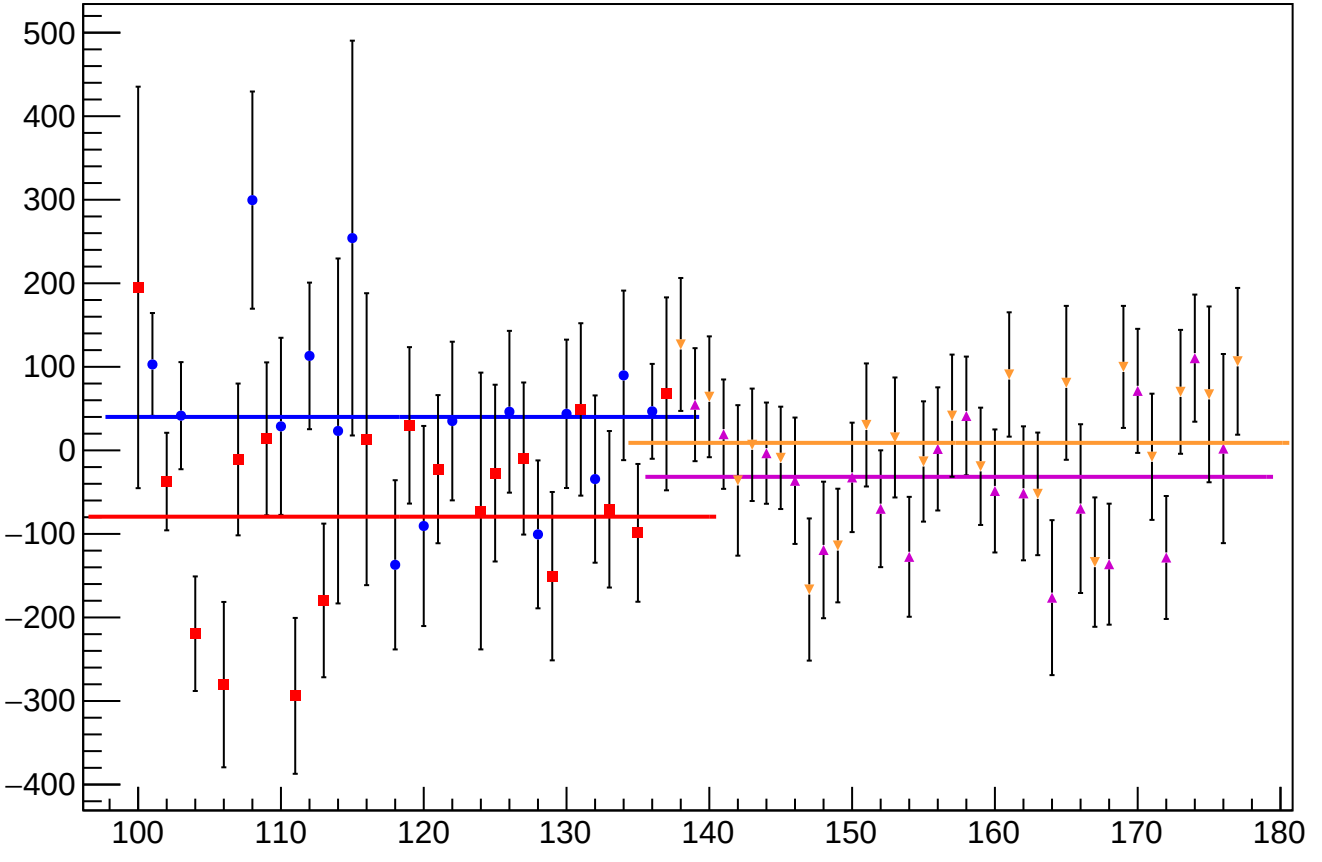
Left In: 339.315+/-0.061 χ^2/NDF:223315.9/18

+ sign 178.468+/-0.032 χ^2/NDF: 16439089.9/36

All: 178.055+/-0.023 χ^2/NDF: 31380526.5/74

- sign 177.640+/-0.032 χ^2/NDF: 14941103.0/37

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.996+/-16.462 χ^2/NDF:20.9/20

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

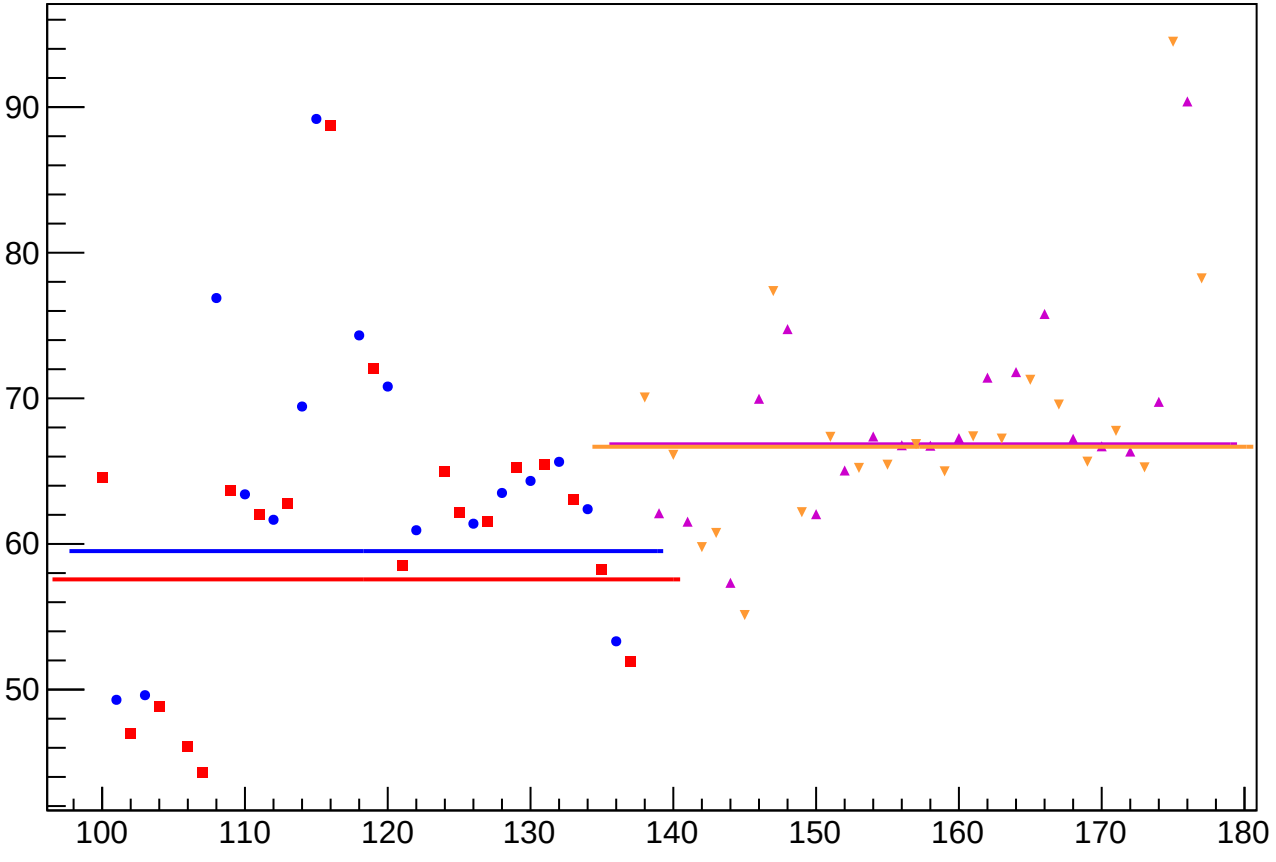
Left In: -31.671+/-17.089 χ^2/NDF:18.9/18

+ sign 19.807+/-13.289 χ^2/NDF: 36.3/36

All: -14.845+/-9.434 χ^2/NDF: 96.7/74

- sign -50.061+/-13.396 χ^2/NDF: 46.8/37

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 66.676+/-0.012 χ^2/NDF:329182.0/20

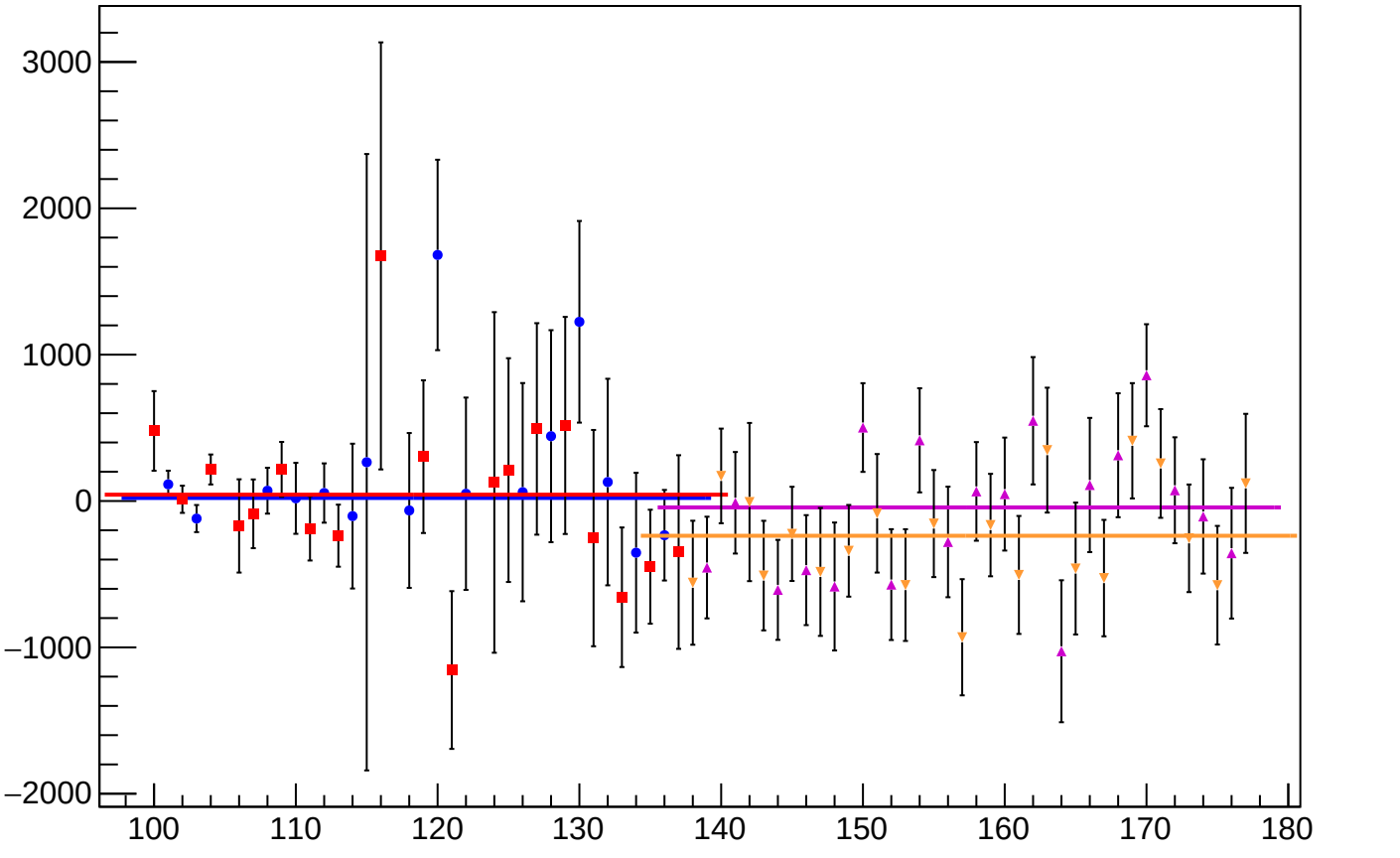
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.842+/-0.012 χ^2/NDF:224218.2/18

+ sign 64.179+/-0.009 χ^2/NDF: 744433.2/36

All: 63.727+/-0.007 χ^2/NDF: 1547825.1/74

- sign 63.267+/-0.009 χ^2/NDF: 798719.4/37



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -237.477+/-84.449 χ^2/NDF:16.2/20

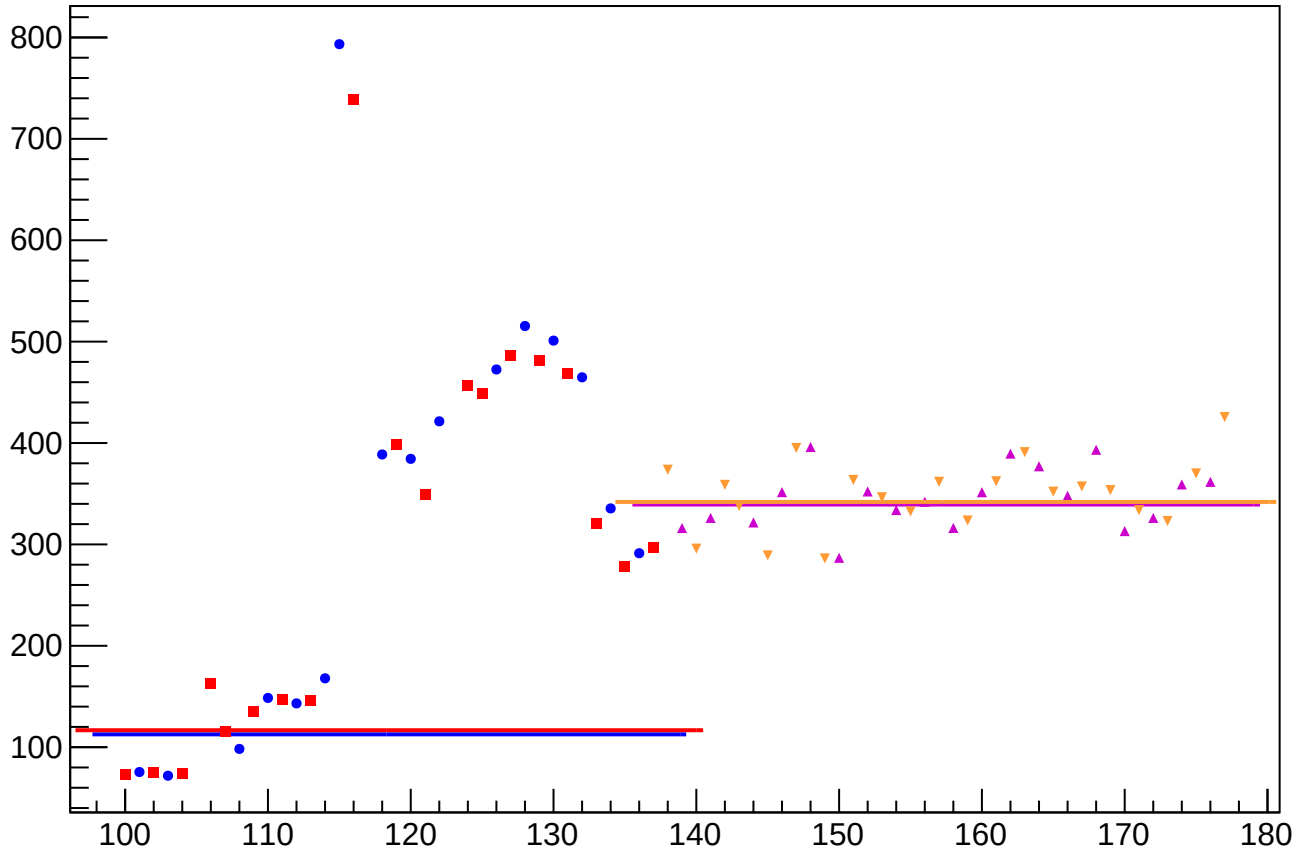
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -43.820+/-86.692 χ^2/NDF:28.5/18

+ sign -53.310+/-45.245 χ^2/NDF: 37.5/36

All: -17.022+/-32.030 χ^2/NDF: 89.5/74

- sign 19.433+/-45.349 χ^2/NDF: 50.7/37



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 341.895+/-0.060 χ^2/NDF:333628.4/20

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

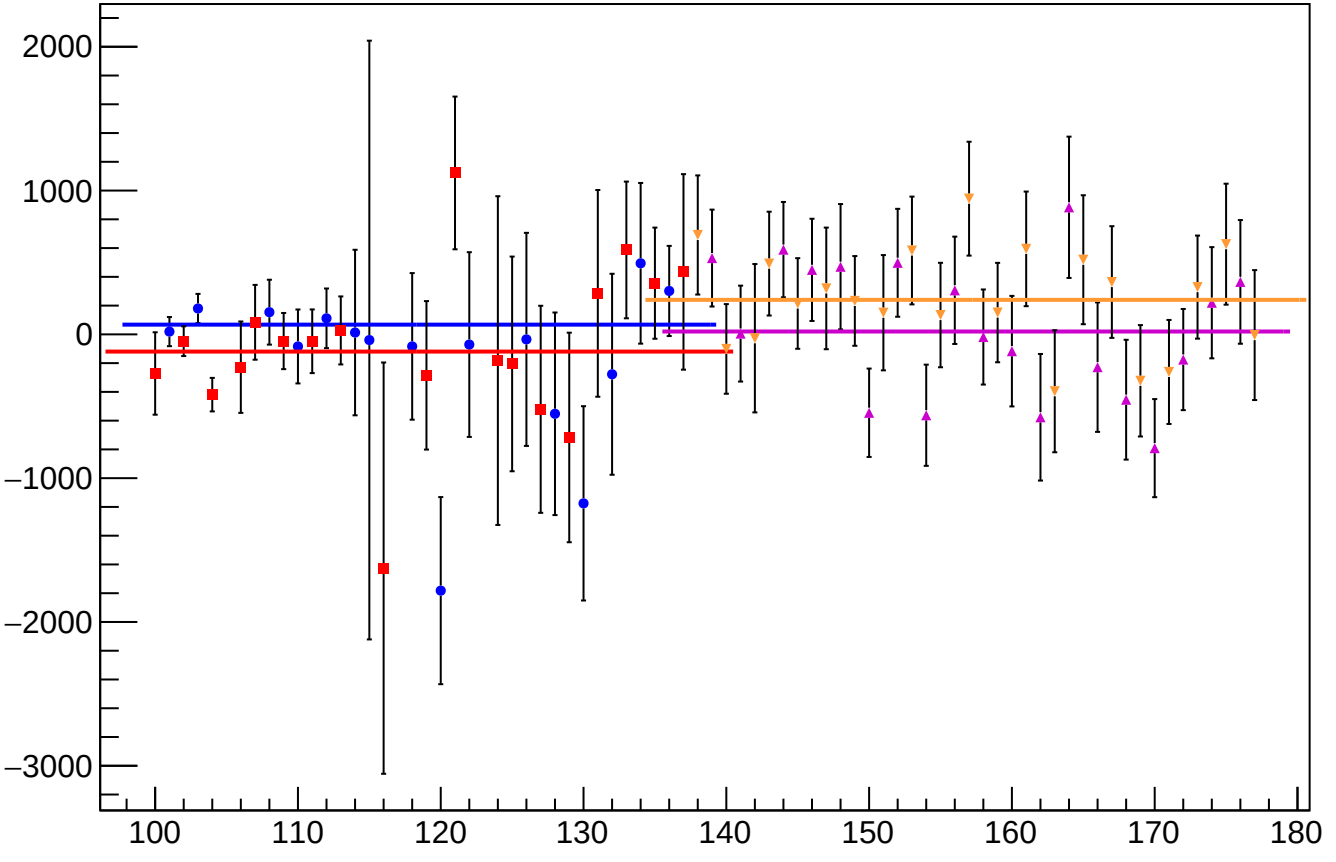
Left In: 339.316+/-0.061 χ^2/NDF:223309.7/18

+ sign 178.467+/-0.032 χ^2/NDF: 16439144.7/36

All: 178.055+/-0.023 χ^2/NDF: 31380651.7/74

- sign 177.640+/-0.032 χ^2/NDF: 14941173.3/37

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 240.017+/-82.969 χ^2/NDF:16.1/20

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

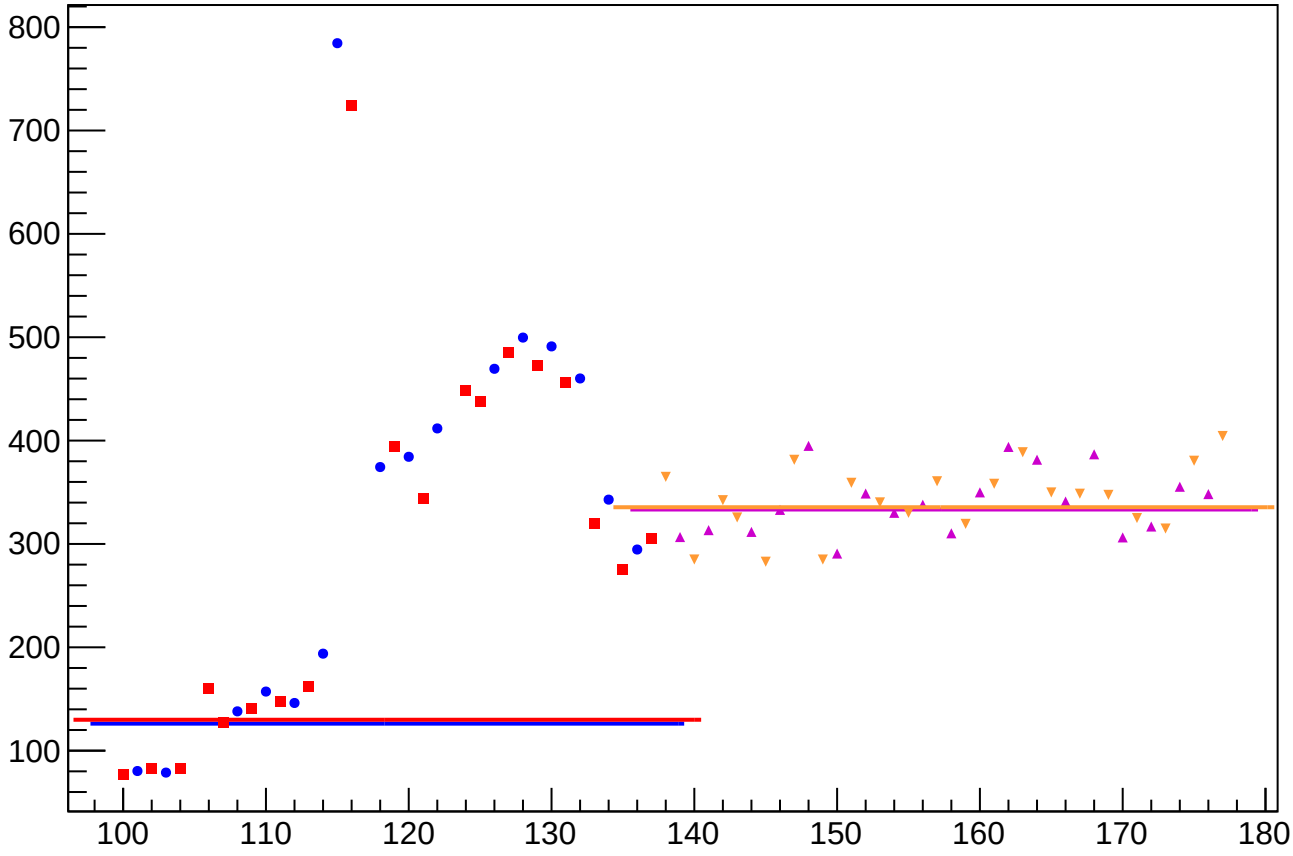
Left In: 19.868+/-85.214 χ^2/NDF:29.6/18

+ sign 125.740+/-48.174 χ^2/NDF: 34.8/36

All: 24.562+/-33.972 χ^2/NDF: 96.2/74

- sign -75.530+/-47.914 χ^2/NDF: 52.6/37

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 335.515+/-0.059 χ^2/NDF:338601.9/20

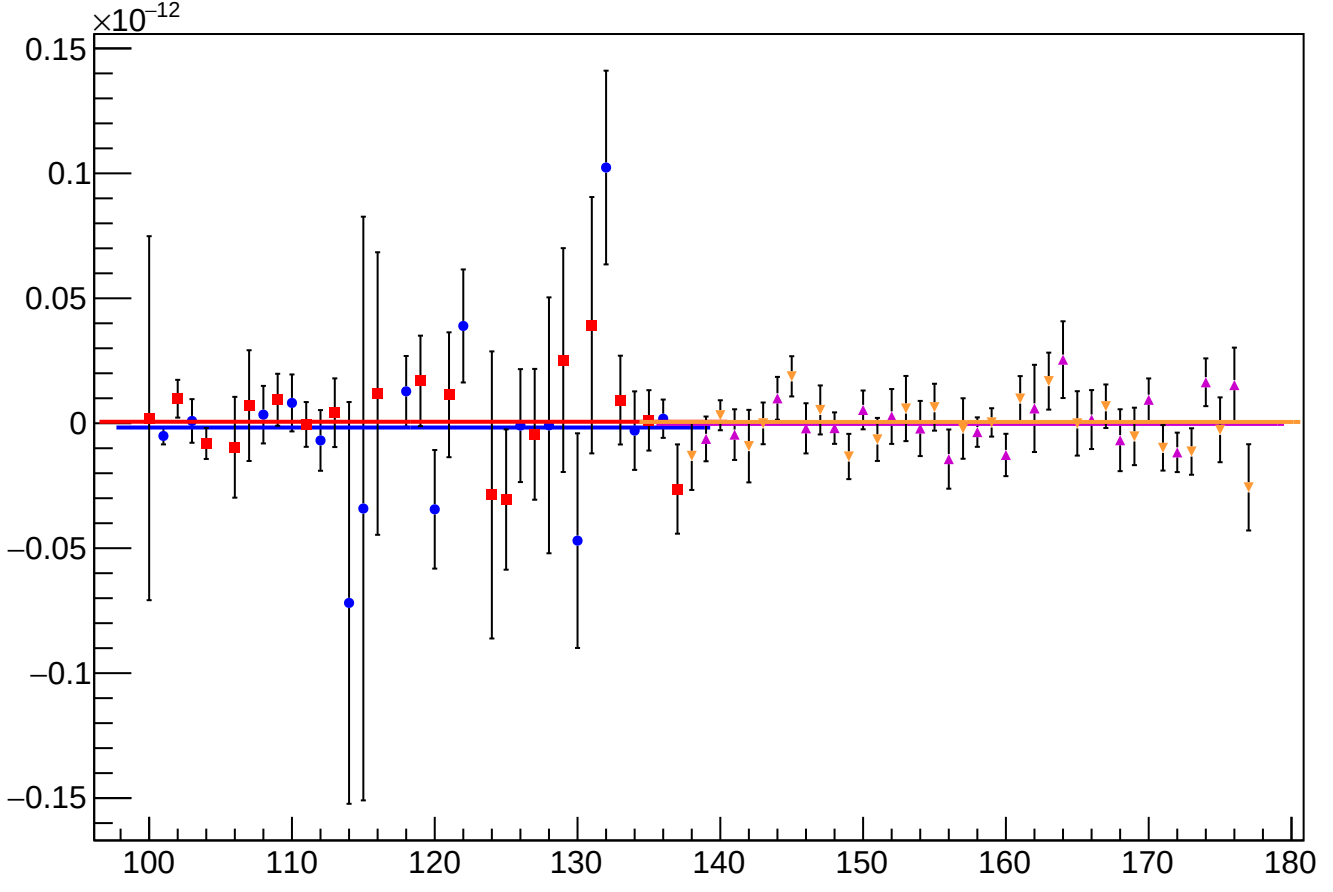
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 333.326+/-0.060 χ^2/NDF:240219.8/18

+ sign 196.734+/-0.034 χ^2/NDF: 14000268.7/36

All: 195.473+/-0.024 χ^2/NDF: 26684004.9/74

- sign 194.225+/-0.034 χ^2/NDF: 12681008.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

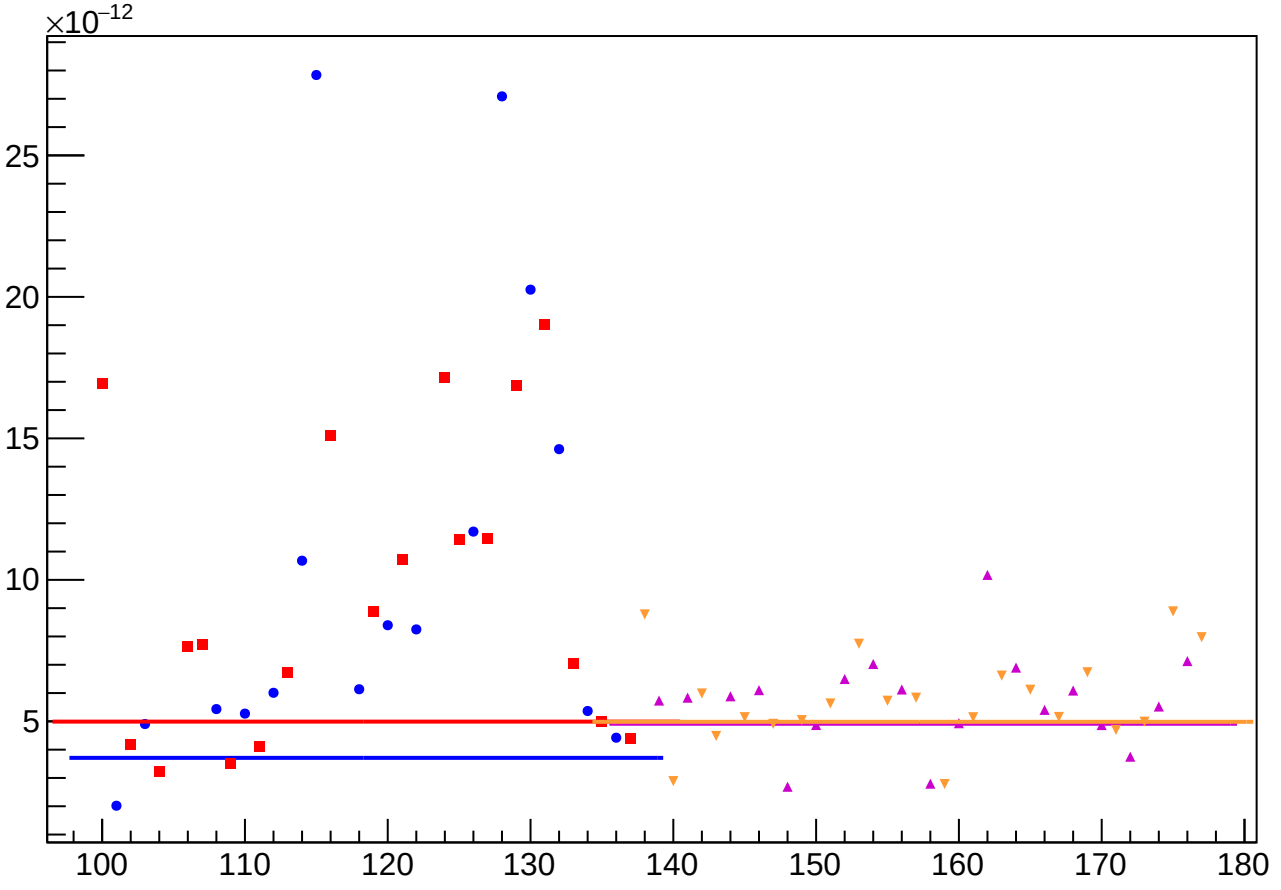
Left In: -0.000+/-0.000 χ^2/NDF:17.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 38.0/36

All: -0.000+/-0.000 χ^2/NDF: 66.0/74

- sign -0.000+/-0.000 χ^2/NDF: 27.9/37

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1187180.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

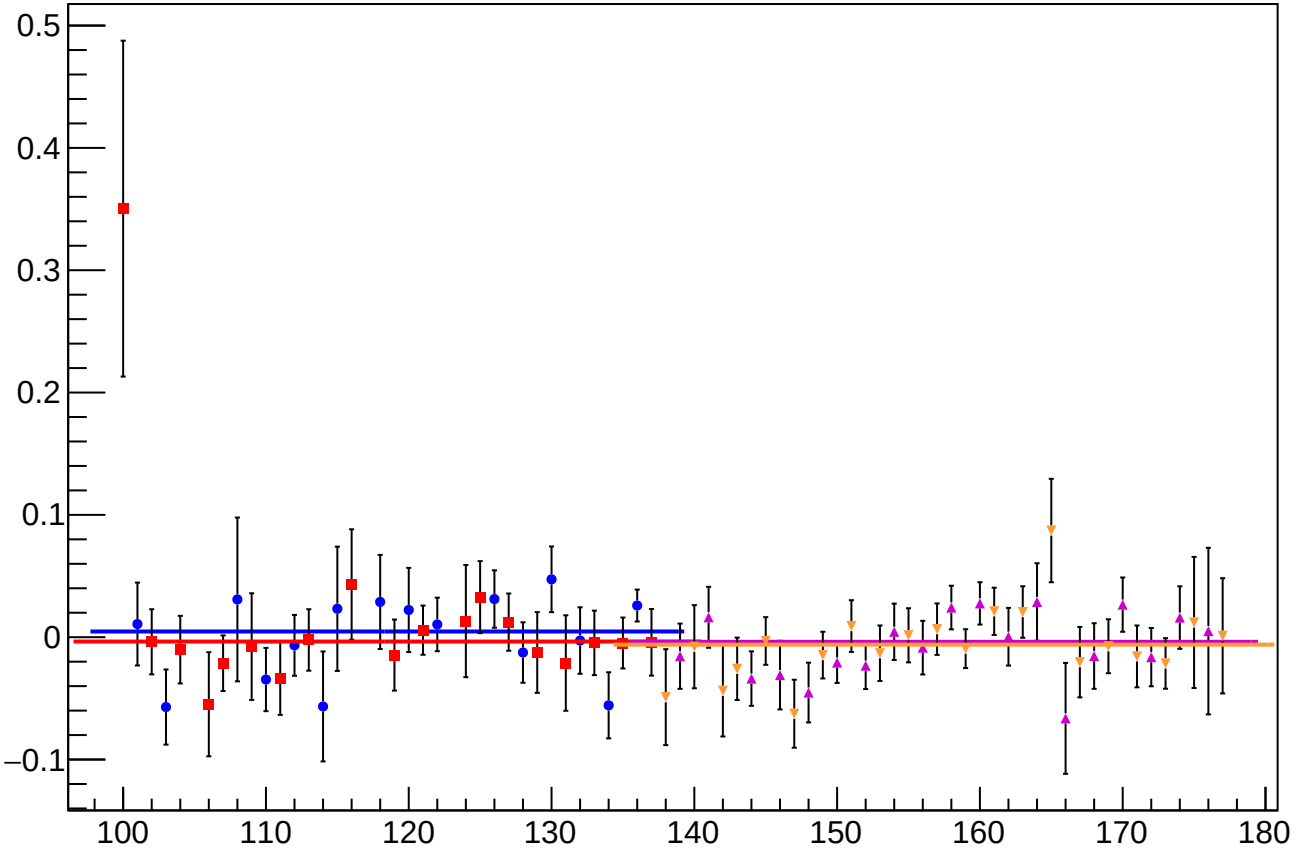
Left In: 0.000+/-0.000 χ^2/NDF:1062341.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 3665968.8/36

All: 0.000+/-0.000 χ^2/NDF: 6098341.9/74

- sign 0.000+/-0.000 χ^2/NDF: 2358493.4/37

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:17.9/20

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

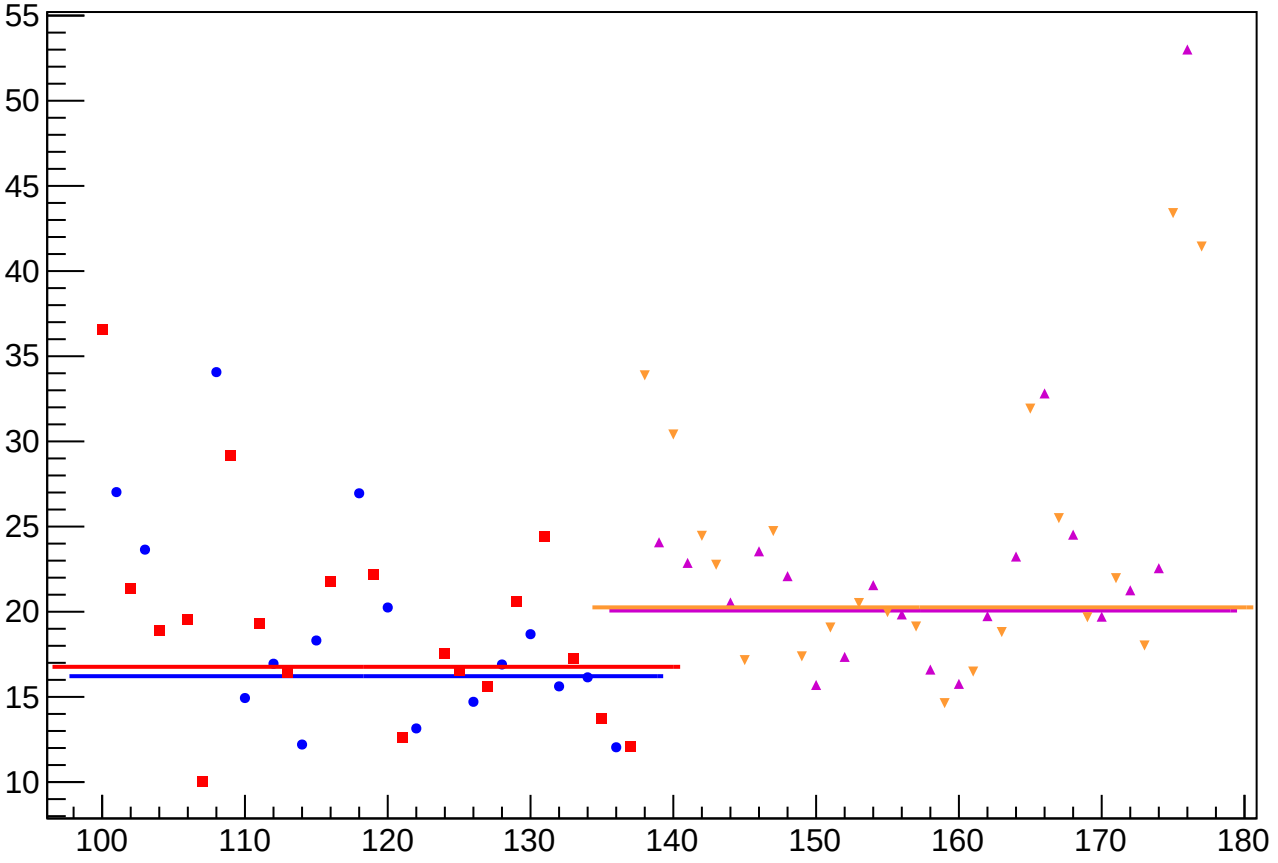
Left In: -0.004+/-0.005 χ^2/NDF:20.4/18

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/36

All: -0.003+/-0.003 χ^2/NDF: 75.1/74

- sign -0.004+/-0.004 χ^2/NDF: 34.1/37

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: 20.257+/-0.004 χ^2/NDF:1991345.8/20

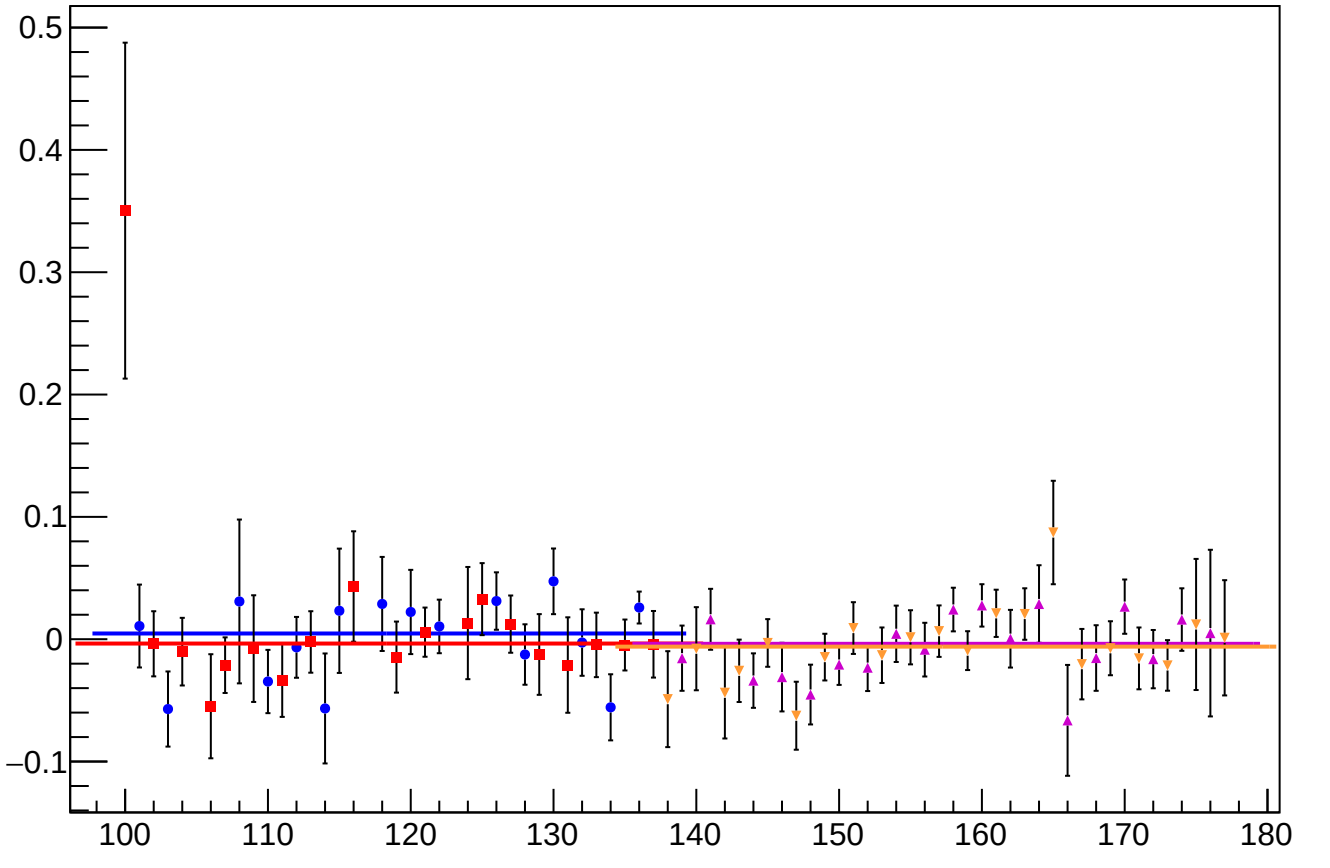
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.071+/-0.004 χ^2/NDF:1227850.6/18

+ sign 18.683+/-0.003 χ^2/NDF: 3397528.1/36

All: 18.725+/-0.002 χ^2/NDF: 5793844.3/74

- sign 18.768+/-0.003 χ^2/NDF: 2395890.2/37



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.9/20

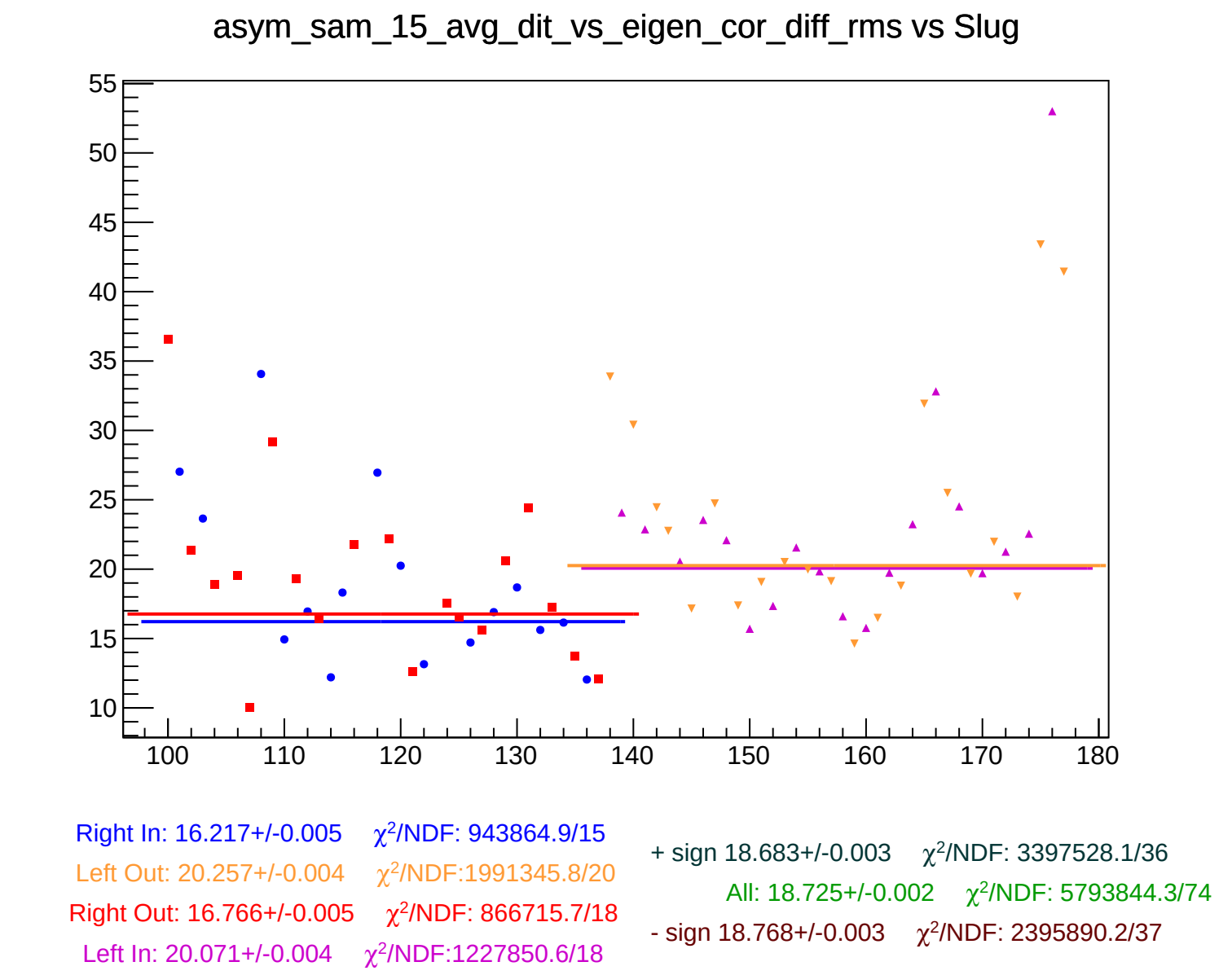
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/18

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/36

All: -0.003+/-0.003 χ^2/NDF: 75.1/74

- sign -0.004+/-0.004 χ^2/NDF: 34.1/37


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug
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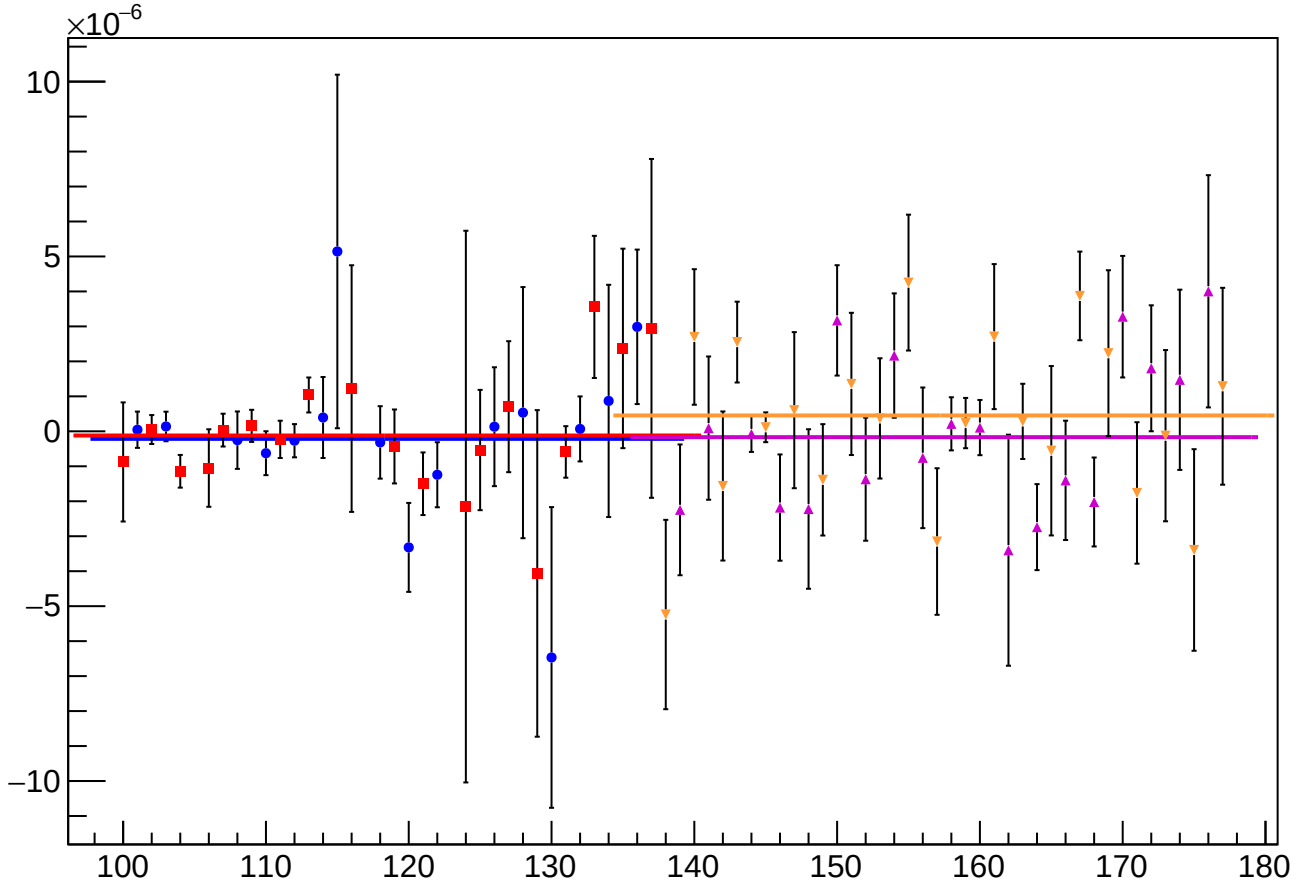
140
150
160
170
180
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 20.257+/-0.004 χ²/NDF:1991345.8/20
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 20.071+/-0.004 χ²/NDF:1227850.6/18
+ sign 18.683+/-0.003 χ²/NDF: 3397528.1/36
All: 18.725+/-0.002 χ²/NDF: 5793844.3/74
- sign 18.768+/-0.003 χ²/NDF: 2395890.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.3/20

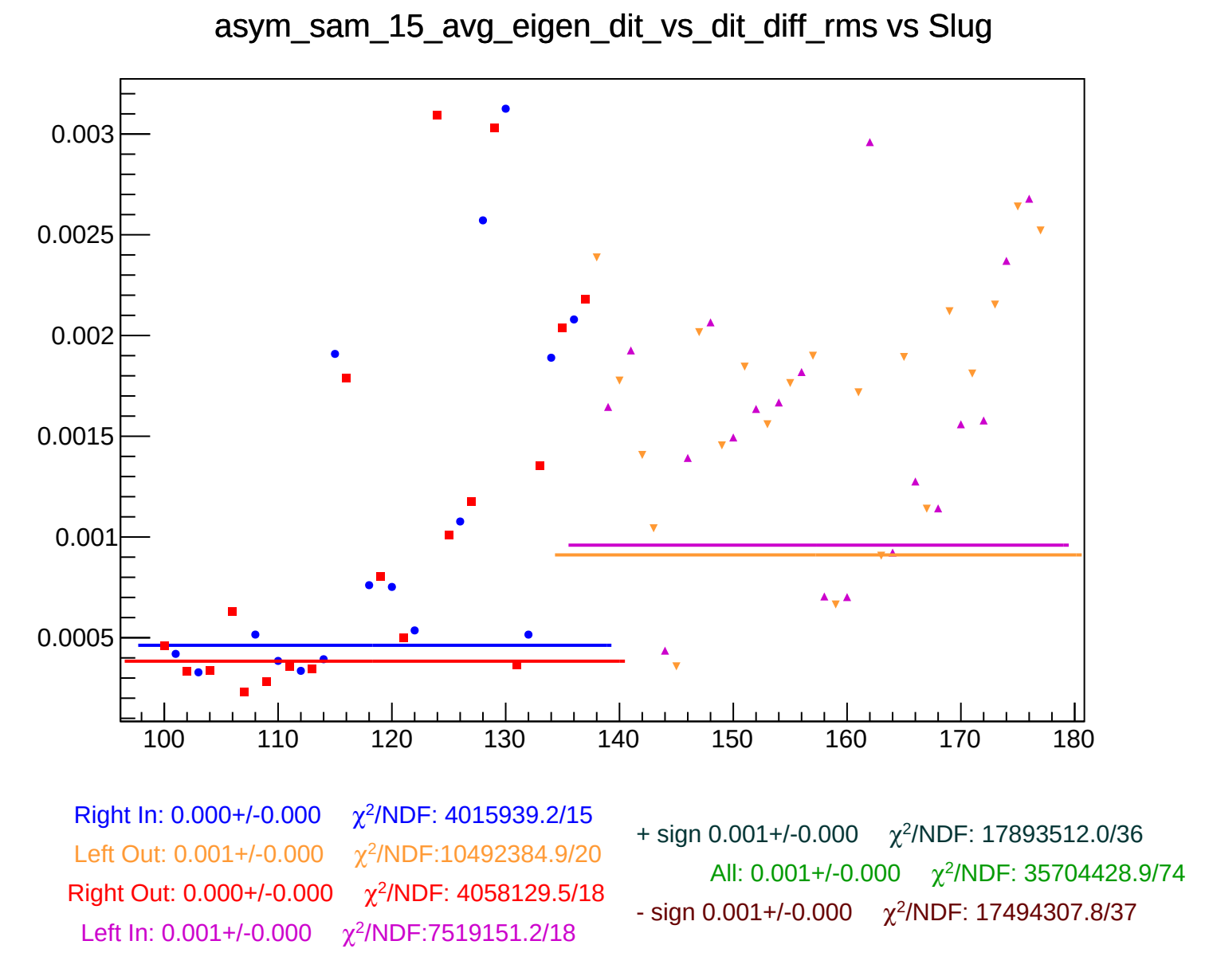
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

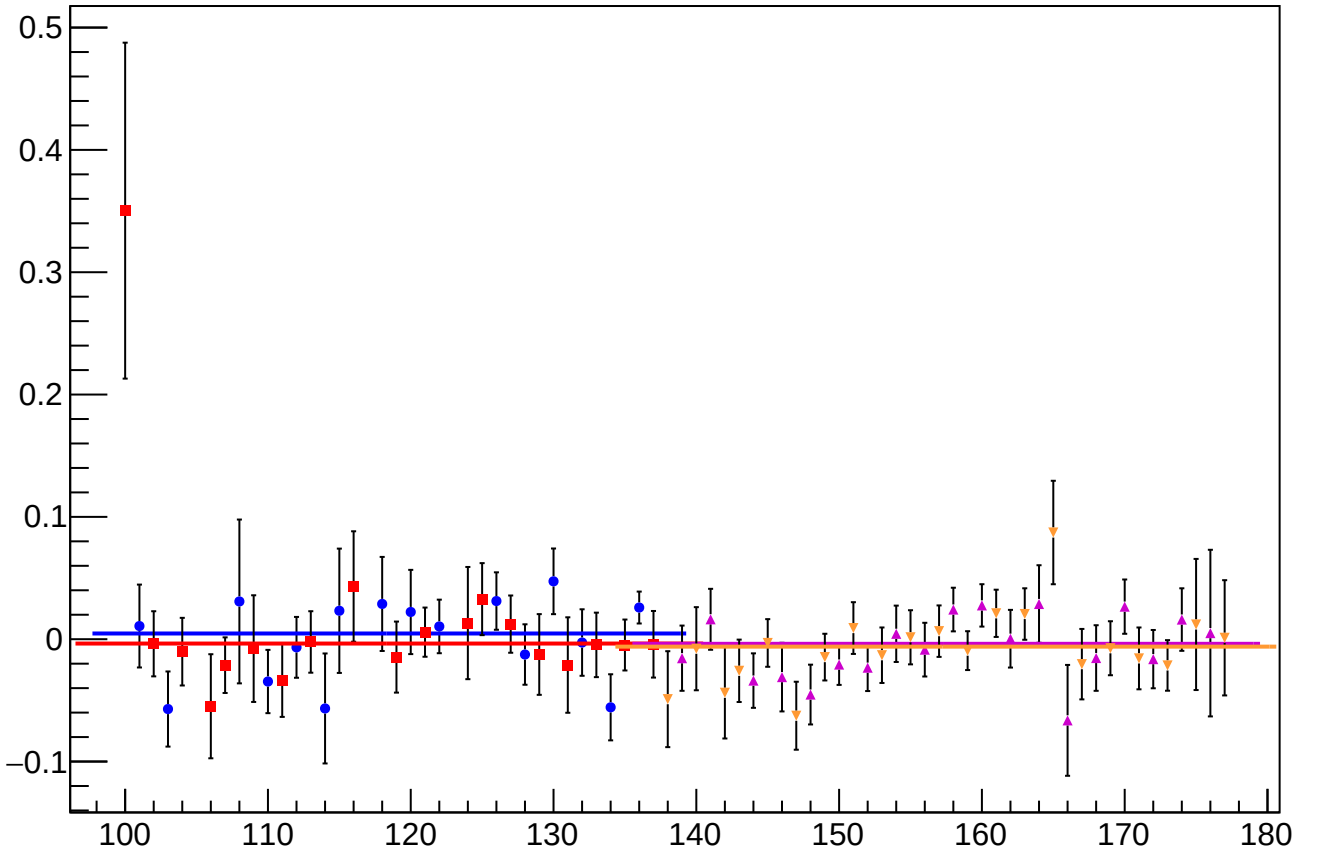
Left In: -0.000+/-0.000 χ^2/NDF:26.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 49.6/36

All: -0.000+/-0.000 χ^2/NDF: 96.4/74

- sign -0.000+/-0.000 χ^2/NDF: 46.3/37


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:10492384.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:7519151.2/18
+ sign 0.001+/-0.000 χ²/NDF: 17893512.0/36
All: 0.001+/-0.000 χ²/NDF: 35704428.9/74
- sign 0.001+/-0.000 χ²/NDF: 17494307.8/37



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.9/20

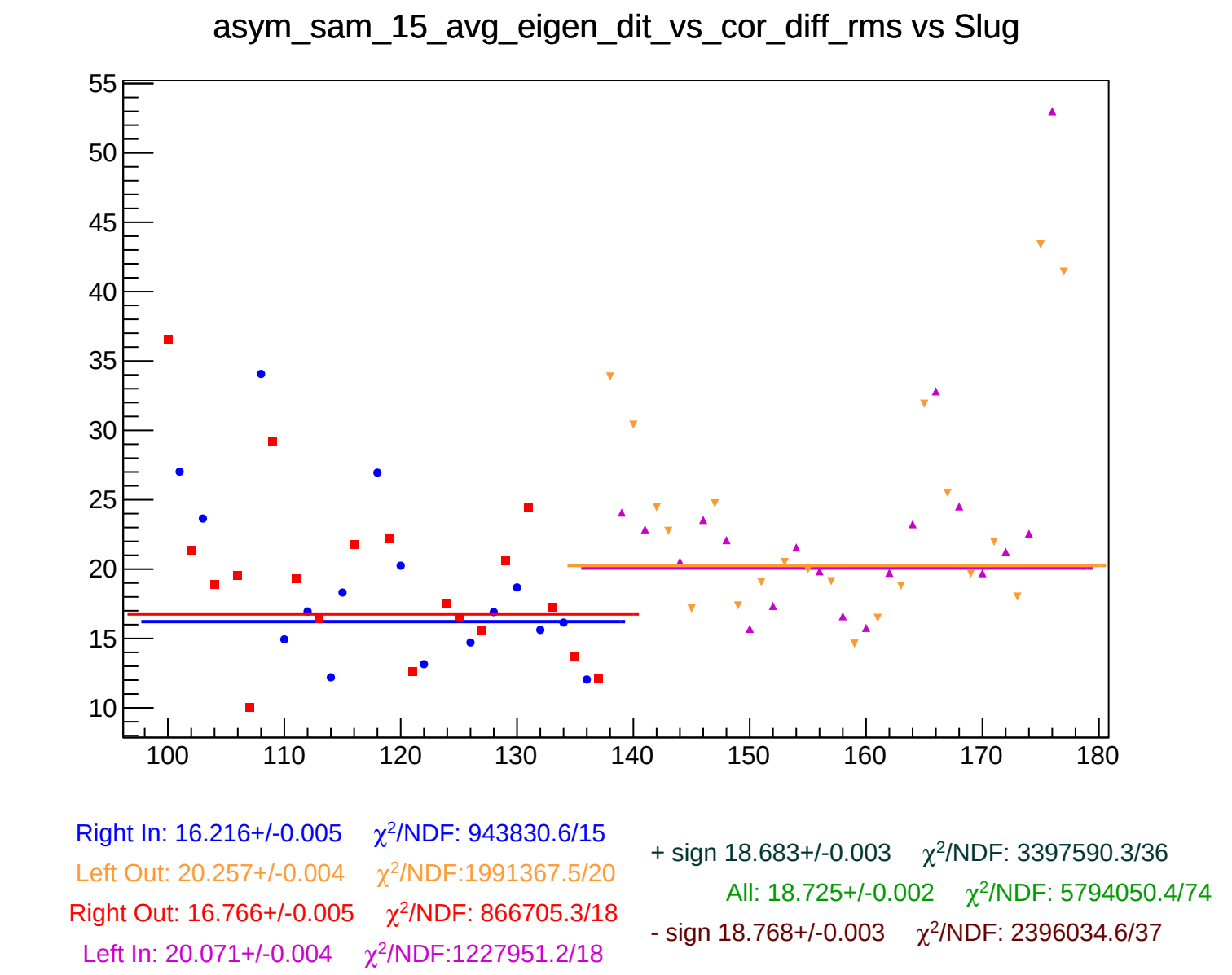
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/18

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/36

All: -0.003+/-0.003 χ^2/NDF: 75.1/74

- sign -0.004+/-0.004 χ^2/NDF: 34.1/37


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug
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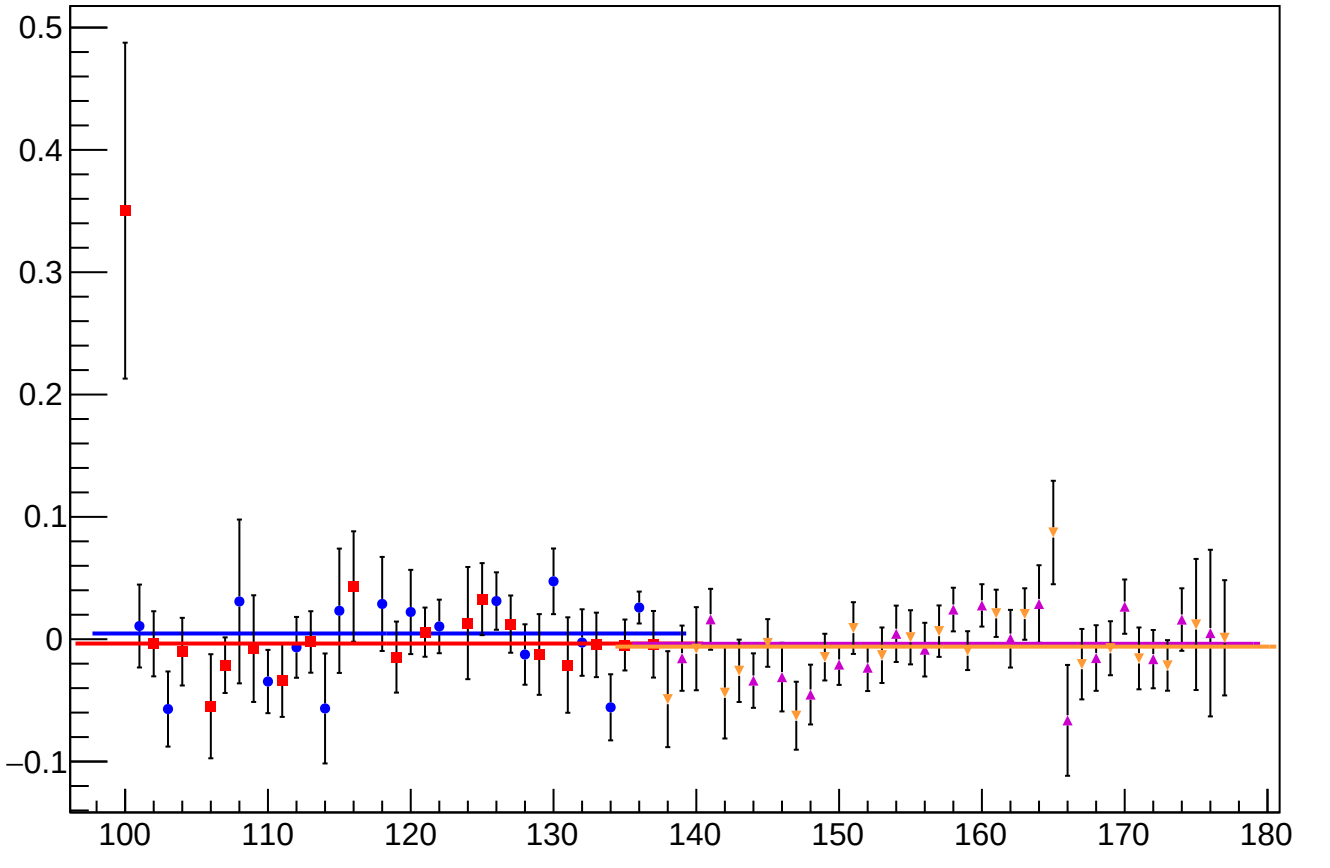
170
180
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 20.257+/-0.004 χ²/NDF:1991367.5/20
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 20.071+/-0.004 χ²/NDF:1227951.2/18
+ sign 18.683+/-0.003 χ²/NDF: 3397590.3/36
All: 18.725+/-0.002 χ²/NDF: 5794050.4/74
- sign 18.768+/-0.003 χ²/NDF: 2396034.6/37



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.9/20

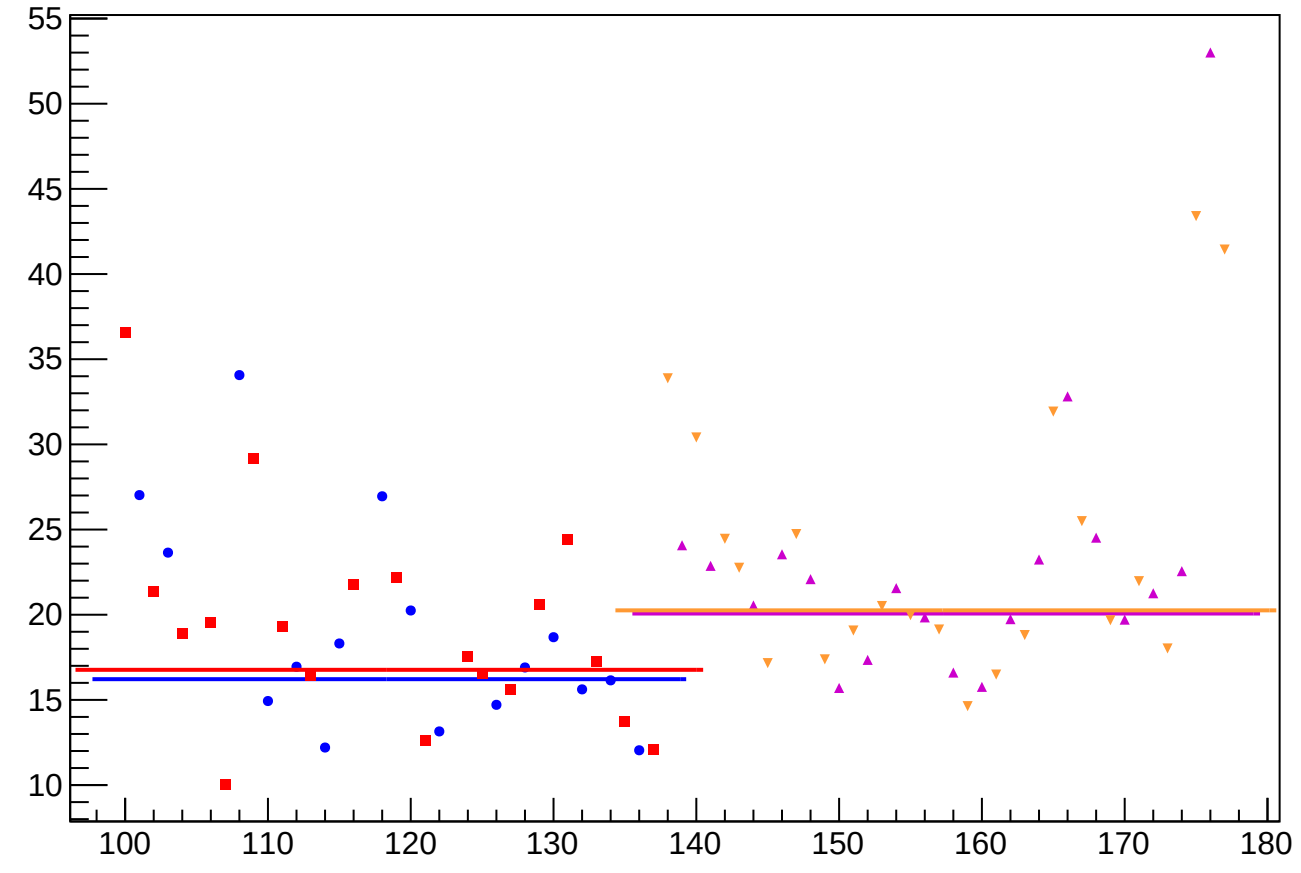
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.005 χ^2/NDF:20.4/18

+ sign -0.002+/-0.004 χ^2/NDF: 40.9/36

All: -0.003+/-0.003 χ^2/NDF: 75.1/74

- sign -0.004+/-0.004 χ^2/NDF: 34.1/37



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.257+/-0.004 χ^2/NDF:1991367.5/20

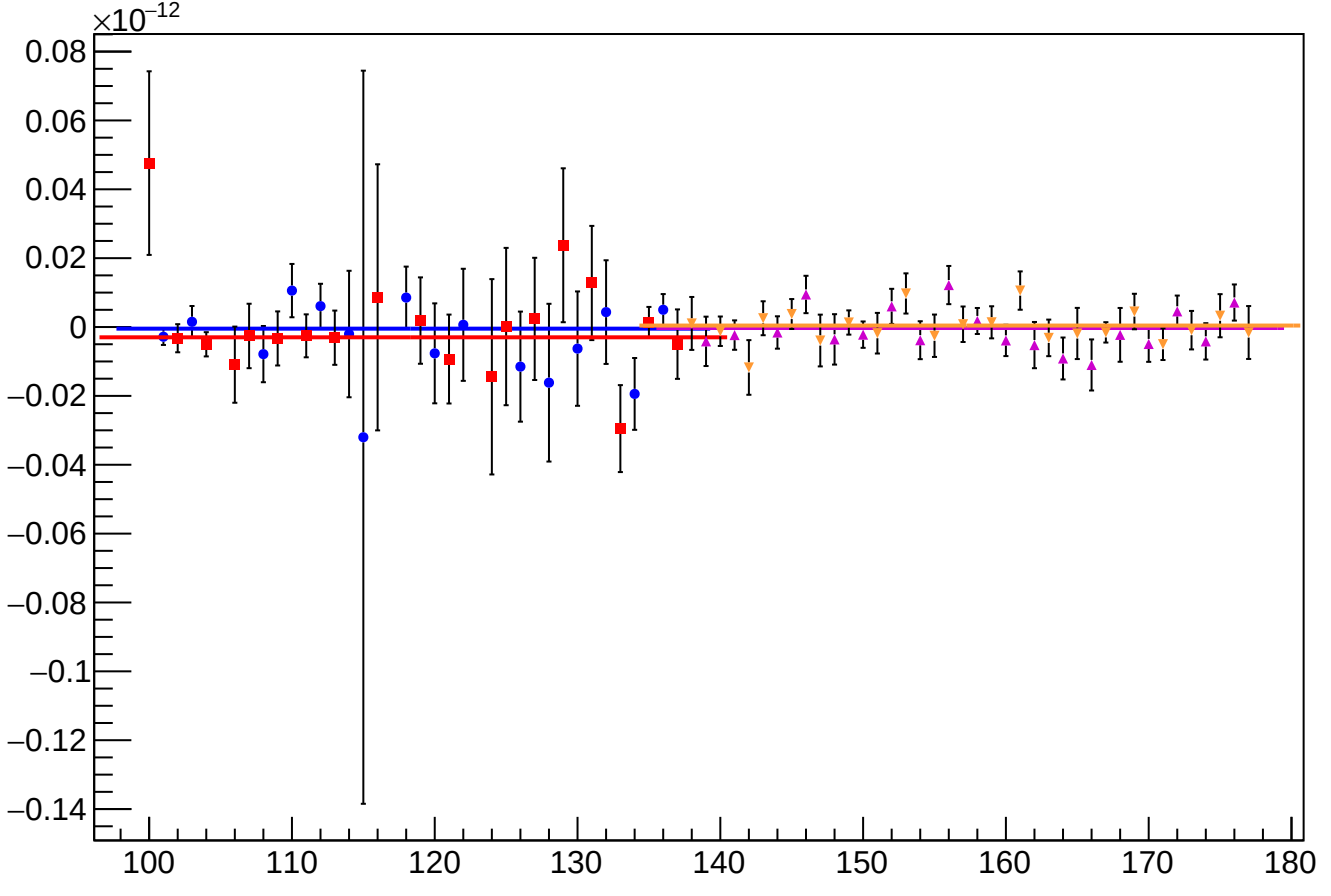
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.071+/-0.004 χ^2/NDF:1227951.2/18

+ sign 18.683+/-0.003 χ^2/NDF: 3397590.3/36

All: 18.725+/-0.002 χ^2/NDF: 5794050.4/74

- sign 18.768+/-0.003 χ^2/NDF: 2396034.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/20

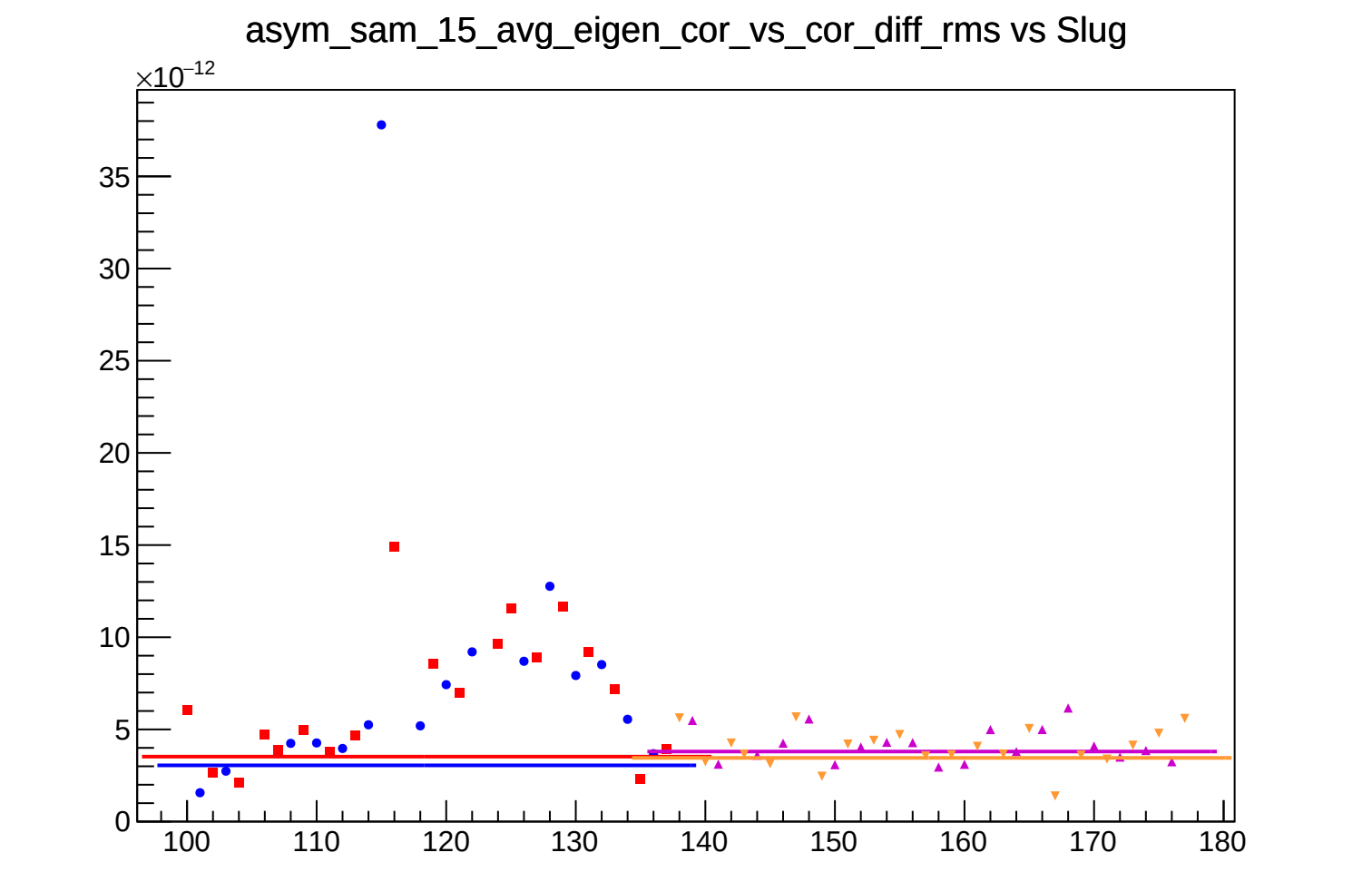
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:21.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/36

All: -0.000+/-0.000 χ^2/NDF: 62.8/74

- sign -0.000+/-0.000 χ^2/NDF: 36.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2080659.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

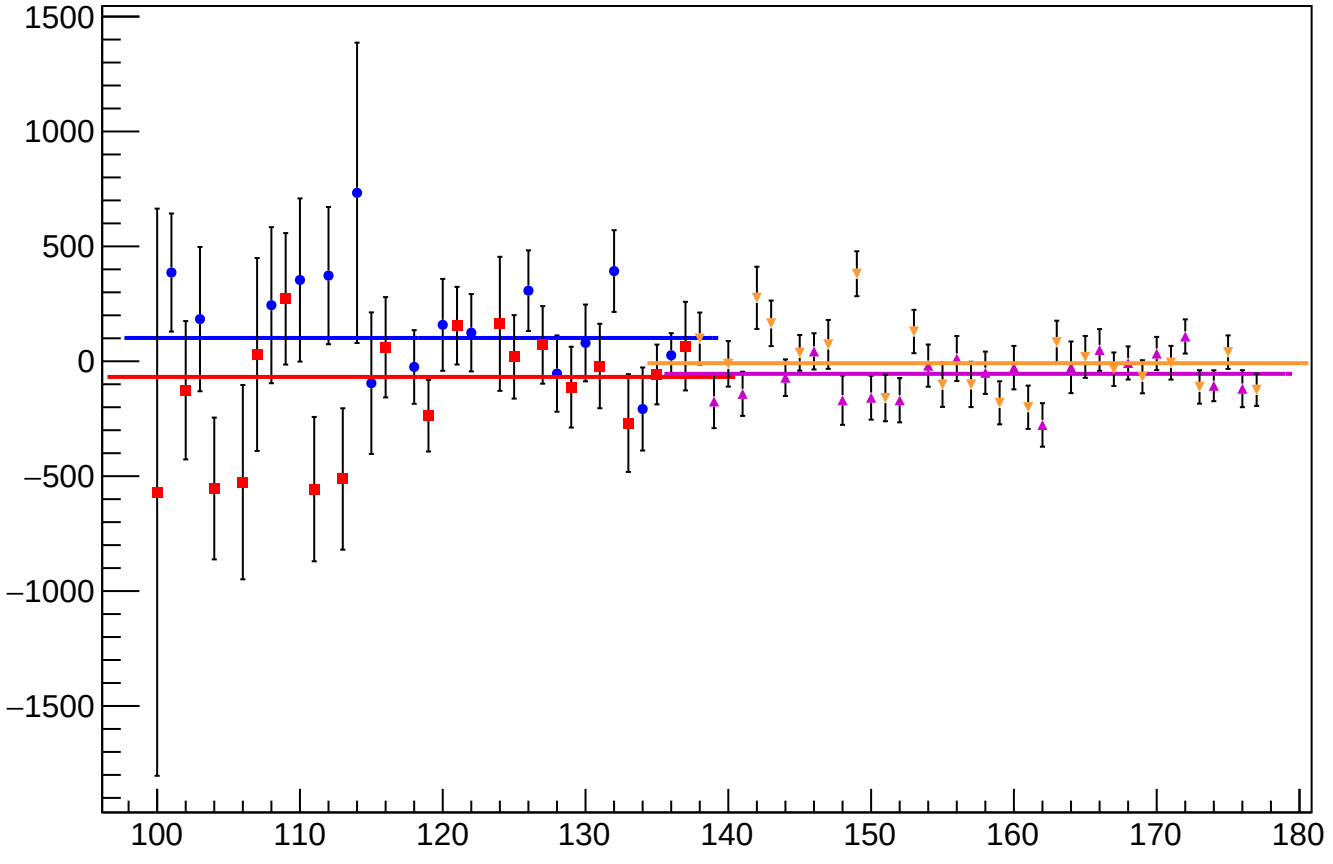
Left In: 0.000+/-0.000 χ^2/NDF:881972.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 5101737.3/36

All: 0.000+/-0.000 χ^2/NDF: 8741091.9/74

- sign 0.000+/-0.000 χ^2/NDF: 3474384.2/37

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -8.234+/-19.168 χ^2/NDF:45.9/20

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

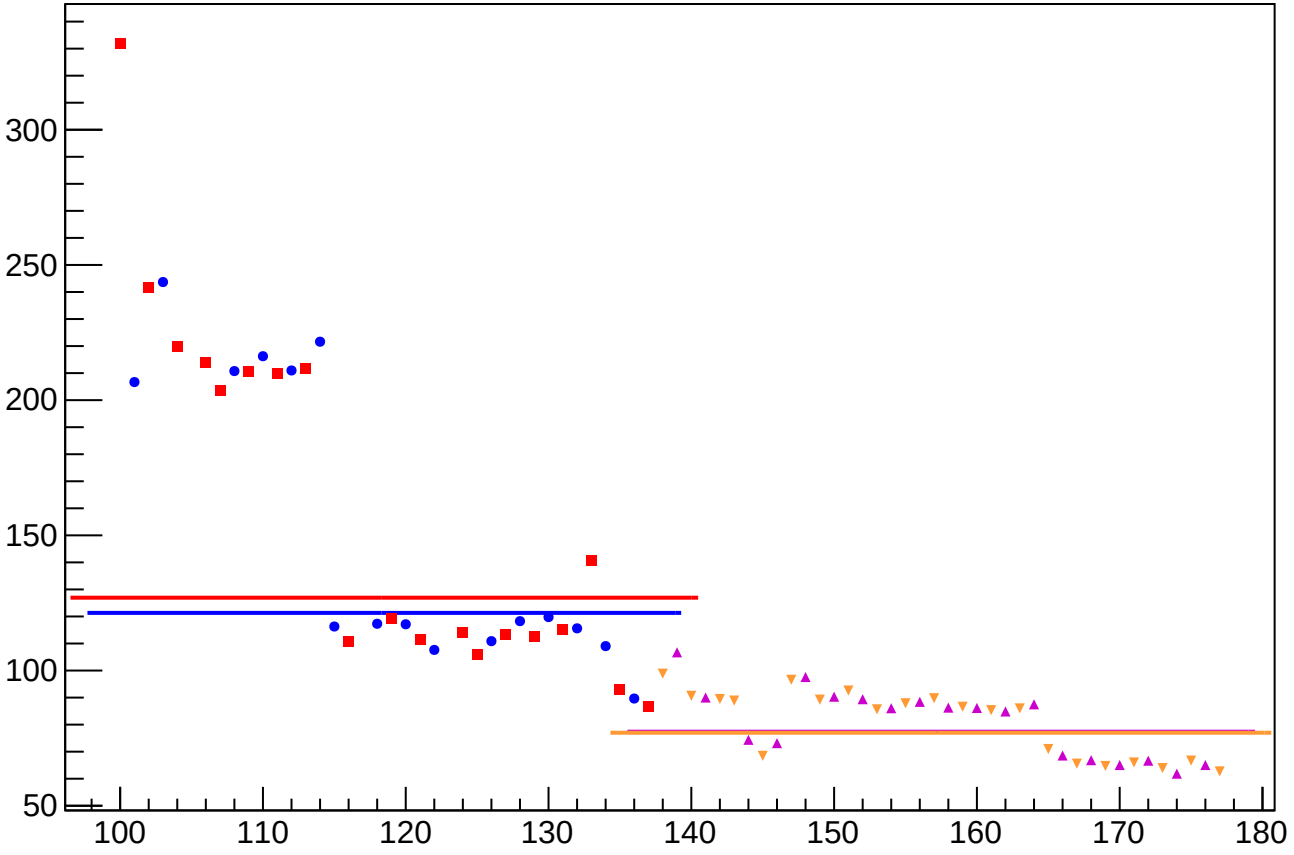
Left In: -54.688+/-19.965 χ^2/NDF:22.7/18

+ sign 7.055+/-17.782 χ^2/NDF: 63.8/36

All: -23.491+/-12.822 χ^2/NDF: 108.9/74

- sign -56.577+/-18.506 χ^2/NDF: 38.9/37

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 77.004+/-0.014 χ^2/NDF:808463.8/20

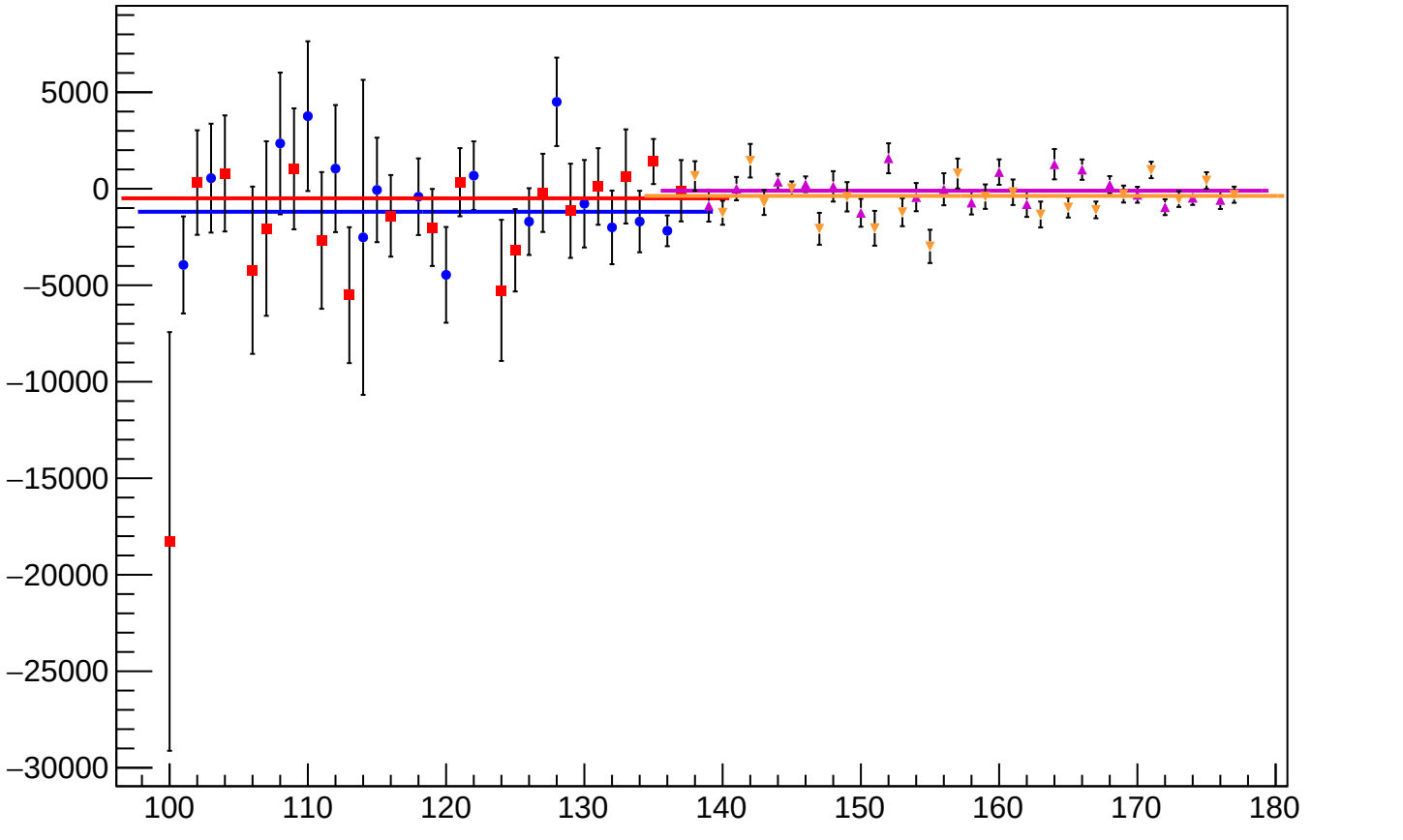
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

+ sign 83.181+/-0.013 χ^2/NDF: 3585505.4/36

All: 83.748+/-0.009 χ^2/NDF: 7527854.9/74

- sign 84.363+/-0.013 χ^2/NDF: 3938111.8/37



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -371.888+/-120.547 χ^2/NDF:50.0/20

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

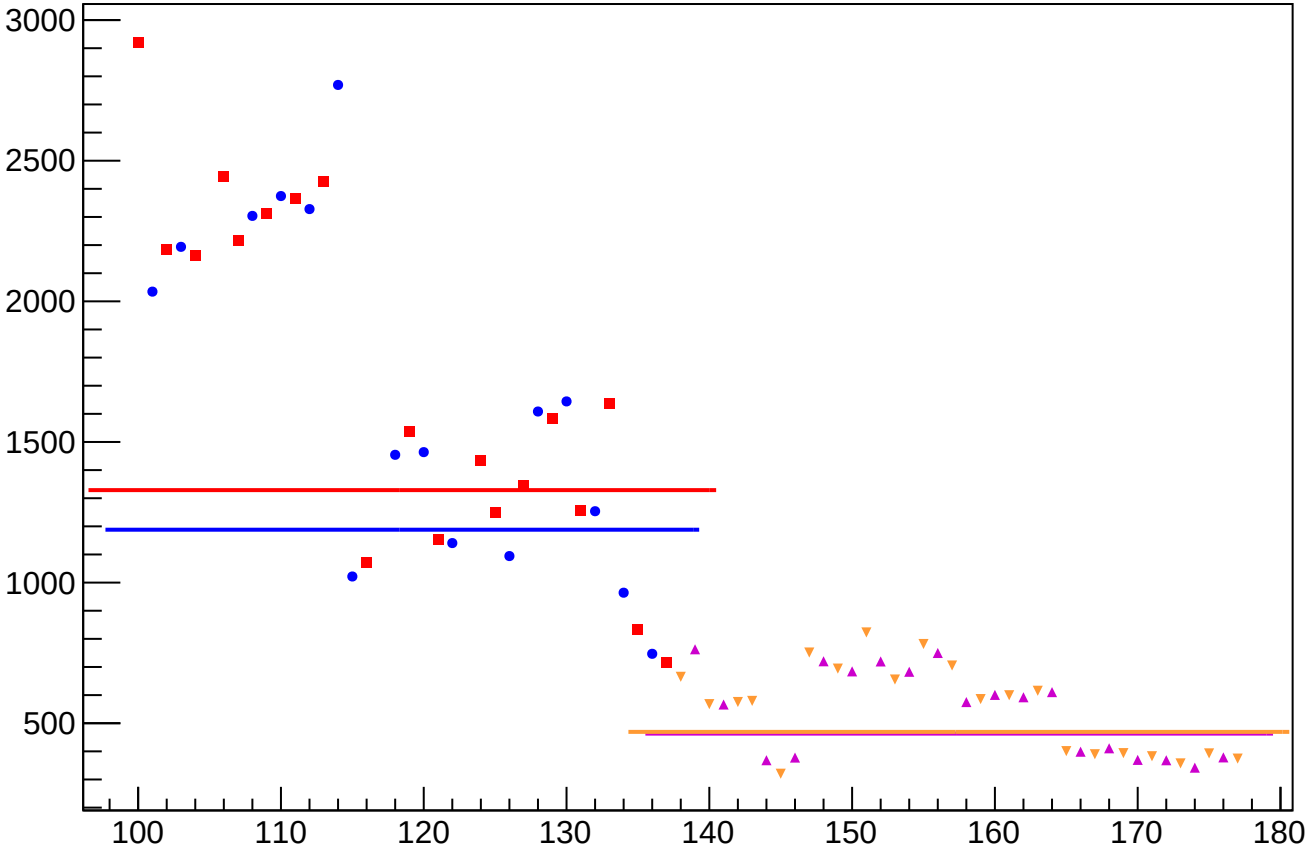
Left In: -100.185+/-123.107 χ^2/NDF:29.1/18

+ sign -420.764+/-116.900 χ^2/NDF: 68.7/36

All: -274.567+/-83.673 χ^2/NDF: 115.4/74

- sign -120.986+/-119.817 χ^2/NDF: 43.5/37

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 469.269+/-0.085 χ^2/NDF:2703456.6/20

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

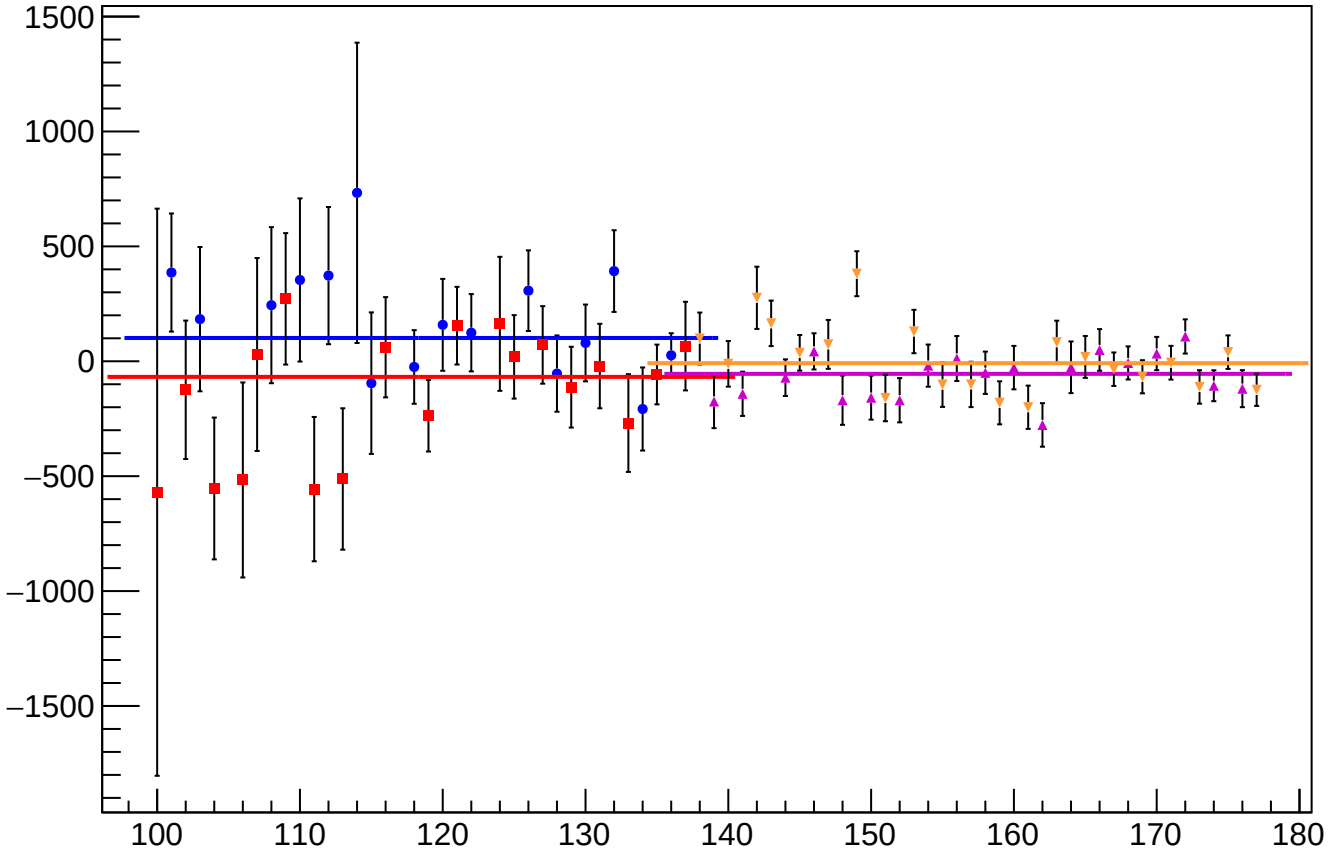
Left In: 463.070+/-0.087 χ^2/NDF:2398669.4/18

+ sign 512.098+/-0.083 χ^2/NDF: 8985129.6/36

All: 510.453+/-0.059 χ^2/NDF: 18558502.6/74

- sign 508.725+/-0.085 χ^2/NDF: 9572561.0/37

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.234+/-19.168 χ^2/NDF:45.9/20

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

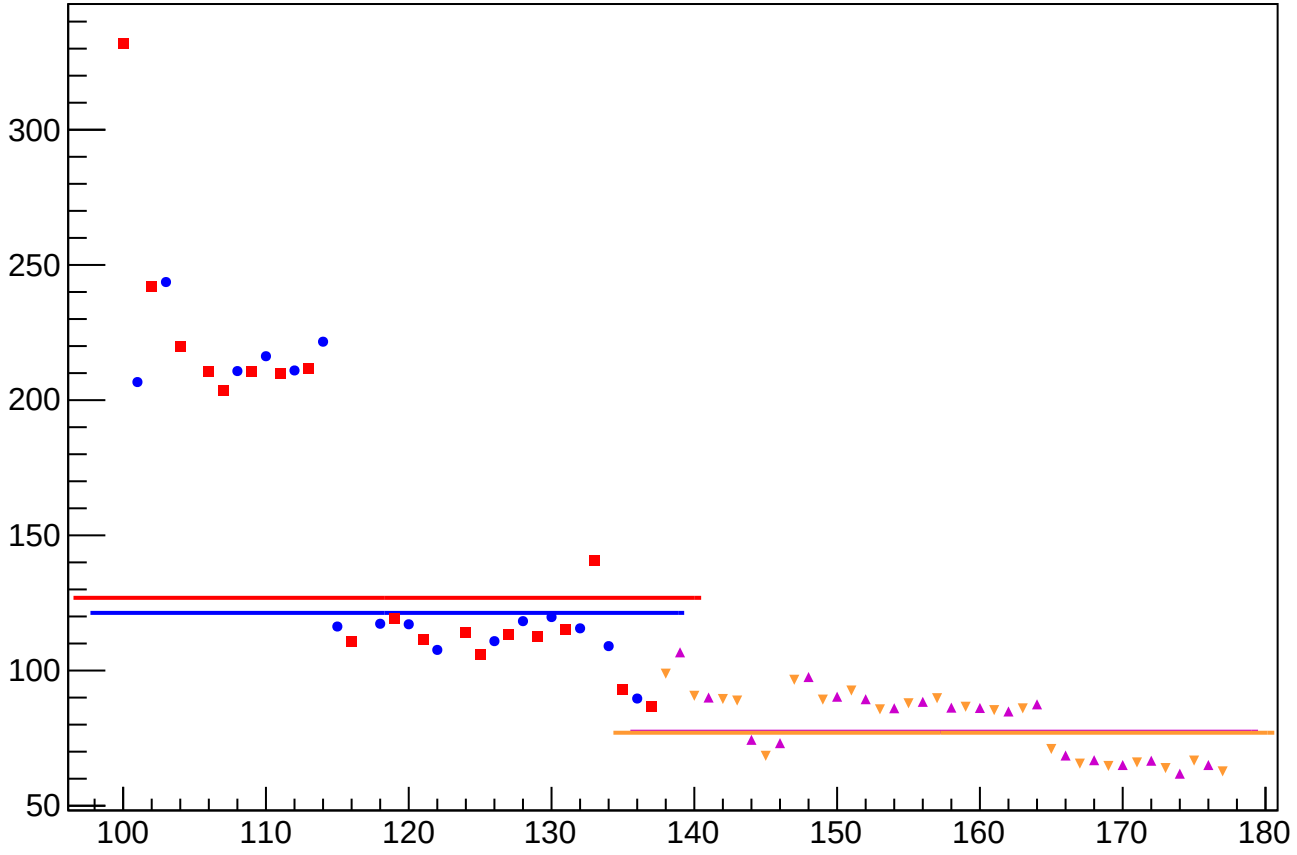
Left In: -54.688+/-19.965 χ^2/NDF:22.7/18

+ sign 7.052+/-17.782 χ^2/NDF: 63.8/36

All: -23.477+/-12.822 χ^2/NDF: 108.8/74

- sign -56.544+/-18.506 χ^2/NDF: 38.9/37

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 77.004+/-0.014 χ^2/NDF:808463.8/20

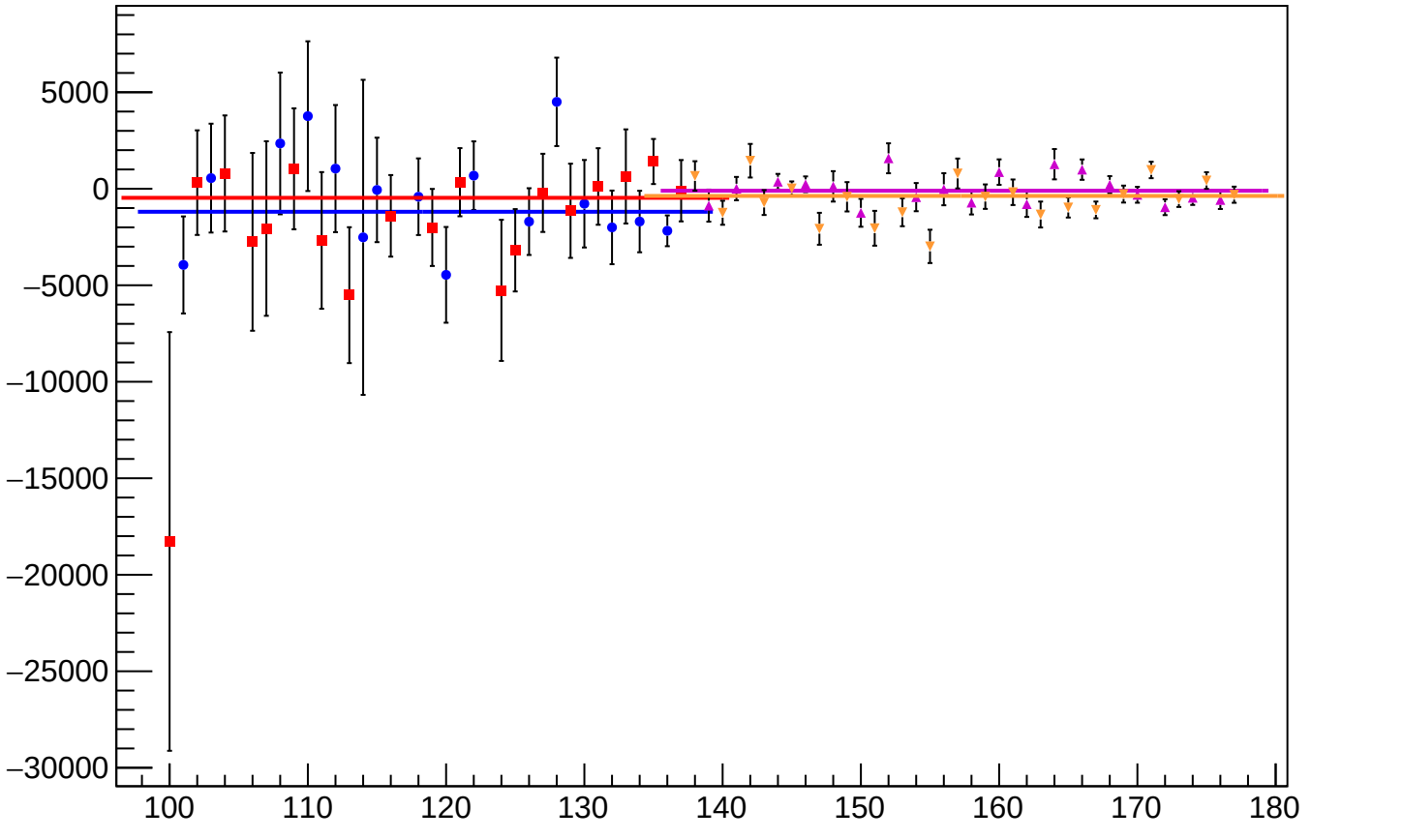
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

+ sign 83.181+/-0.013 χ^2/NDF: 3585507.4/36

All: 83.745+/-0.009 χ^2/NDF: 7518002.4/74

- sign 84.355+/-0.013 χ^2/NDF: 3928313.1/37



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -371.886+/-120.547 χ^2/NDF:50.0/20

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

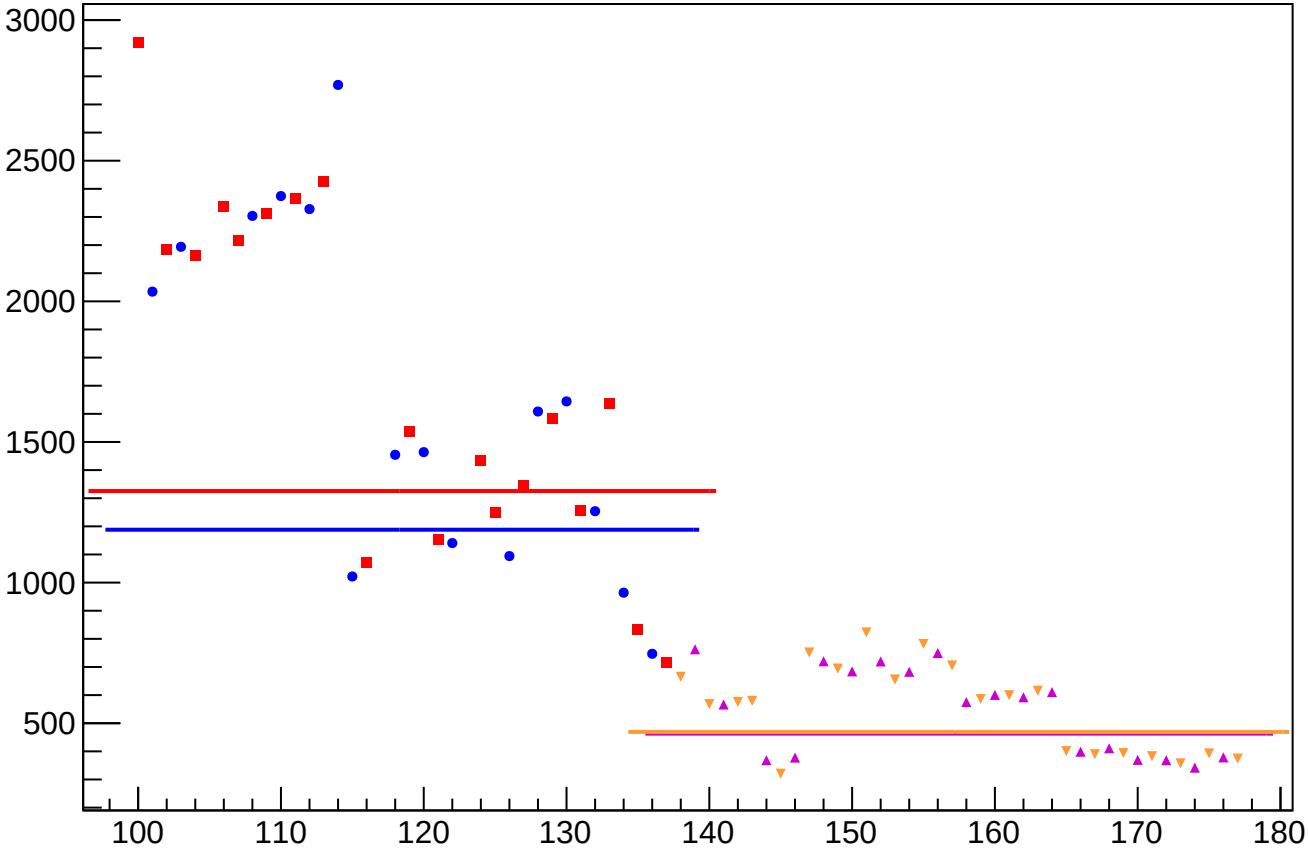
Left In: -100.186+/-123.107 χ^2/NDF:29.1/18

+ sign -420.760+/-116.900 χ^2/NDF: 68.7/36

All: -273.917+/-83.675 χ^2/NDF: 114.9/74

- sign -119.642+/-119.822 χ^2/NDF: 42.9/37

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 469.269+/-0.085 χ^2/NDF:2703465.7/20

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

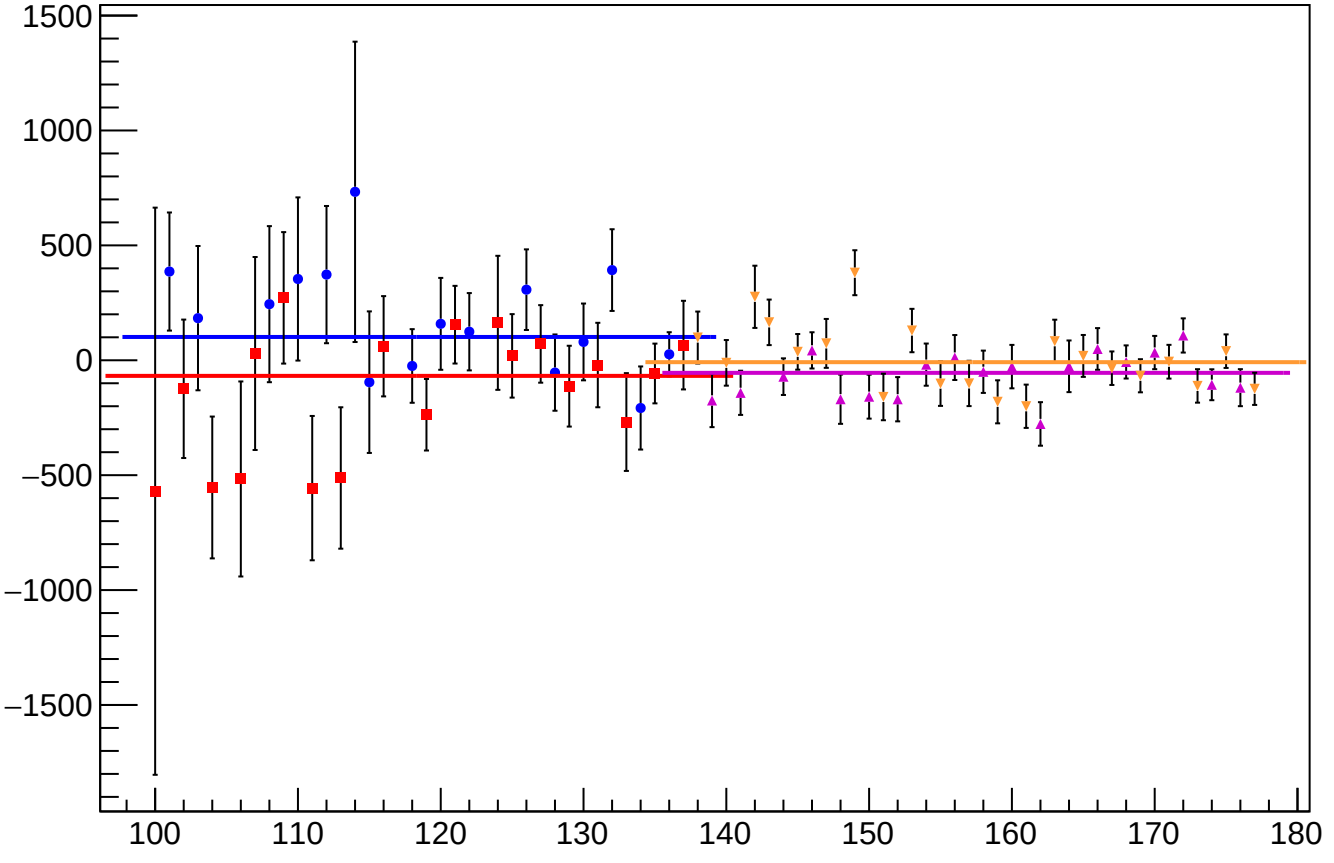
Left In: 463.070+/-0.087 χ^2/NDF:2398674.6/18

+ sign 512.098+/-0.083 χ^2/NDF: 8985160.7/36

All: 510.333+/-0.059 χ^2/NDF: 18474370.7/74

- sign 508.480+/-0.085 χ^2/NDF: 9488275.9/37

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.234+/-19.168 χ^2/NDF:45.9/20

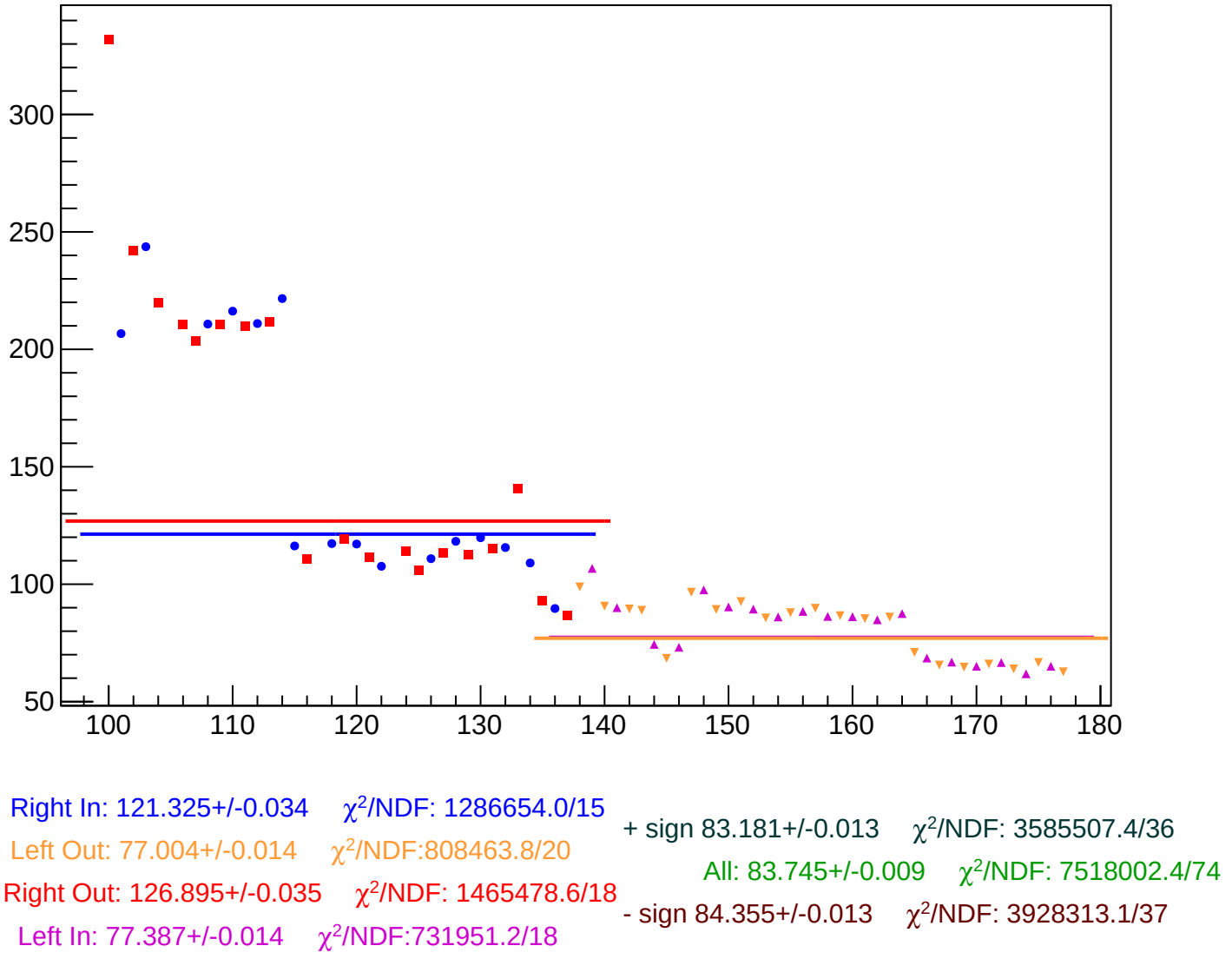
Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: -54.688+/-19.965 χ^2/NDF:22.7/18

+ sign 7.052+/-17.782 χ^2/NDF: 63.8/36

All: -23.477+/-12.822 χ^2/NDF: 108.8/74

- sign -56.544+/-18.506 χ^2/NDF: 38.9/37


eigen_cor_asym_sam_26_avg_rms vs Slug
300
250
200
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100
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130
140
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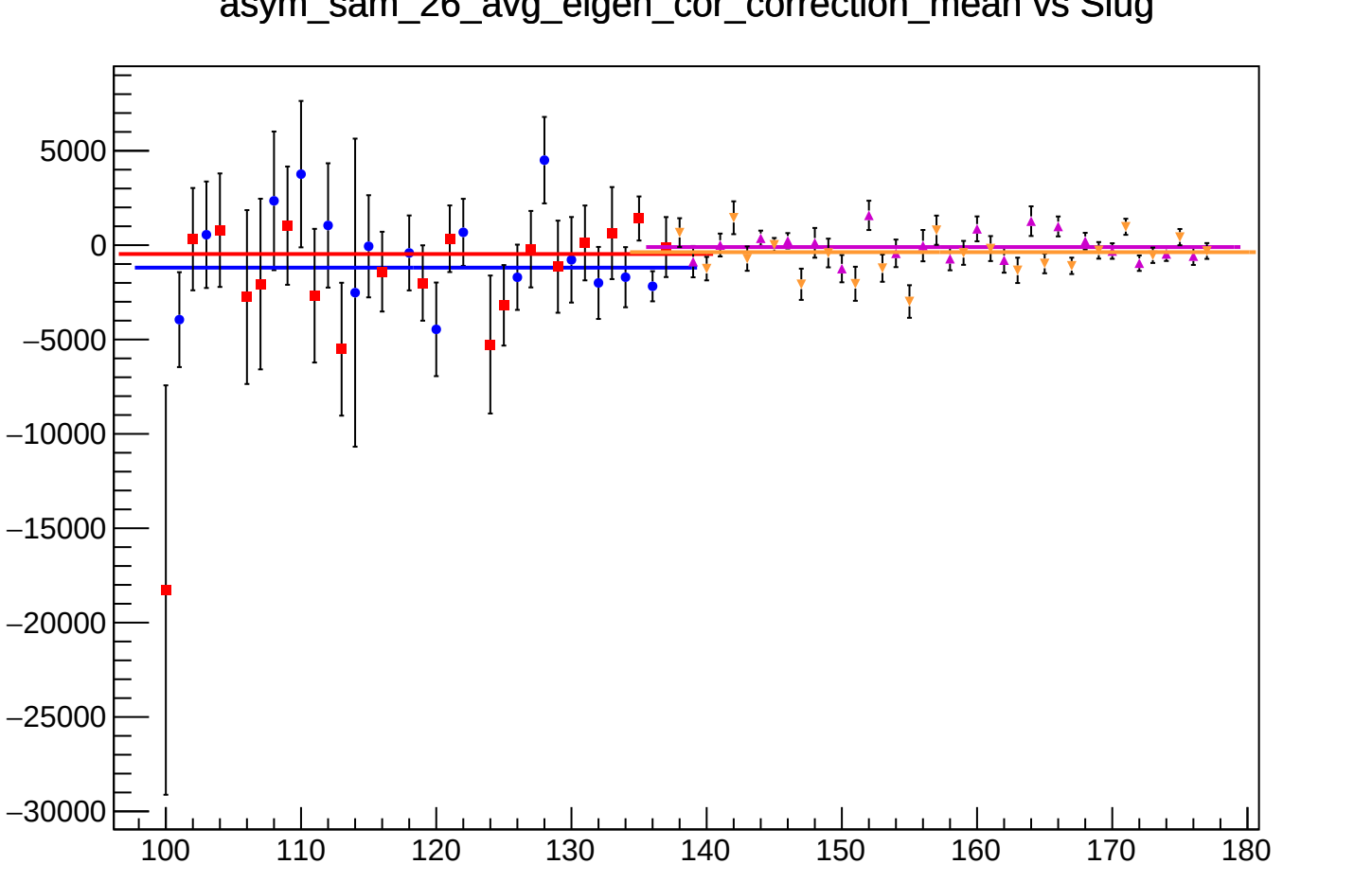
160
170
180
Right In: 121.325+/-0.034 χ²/NDF: 1286654.0/15
Left Out: 77.004+/-0.014 χ²/NDF:808463.8/20
Right Out: 126.895+/-0.035 χ²/NDF: 1465478.6/18
Left In: 77.387+/-0.014 χ²/NDF:731951.2/18
+ sign 83.181+/-0.013 χ²/NDF: 3585507.4/36
All: 83.745+/-0.009 χ²/NDF: 7518002.4/74
- sign 84.355+/-0.013 χ²/NDF: 3928313.1/37



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -371.886+/-120.547 χ^2/NDF:50.0/20

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

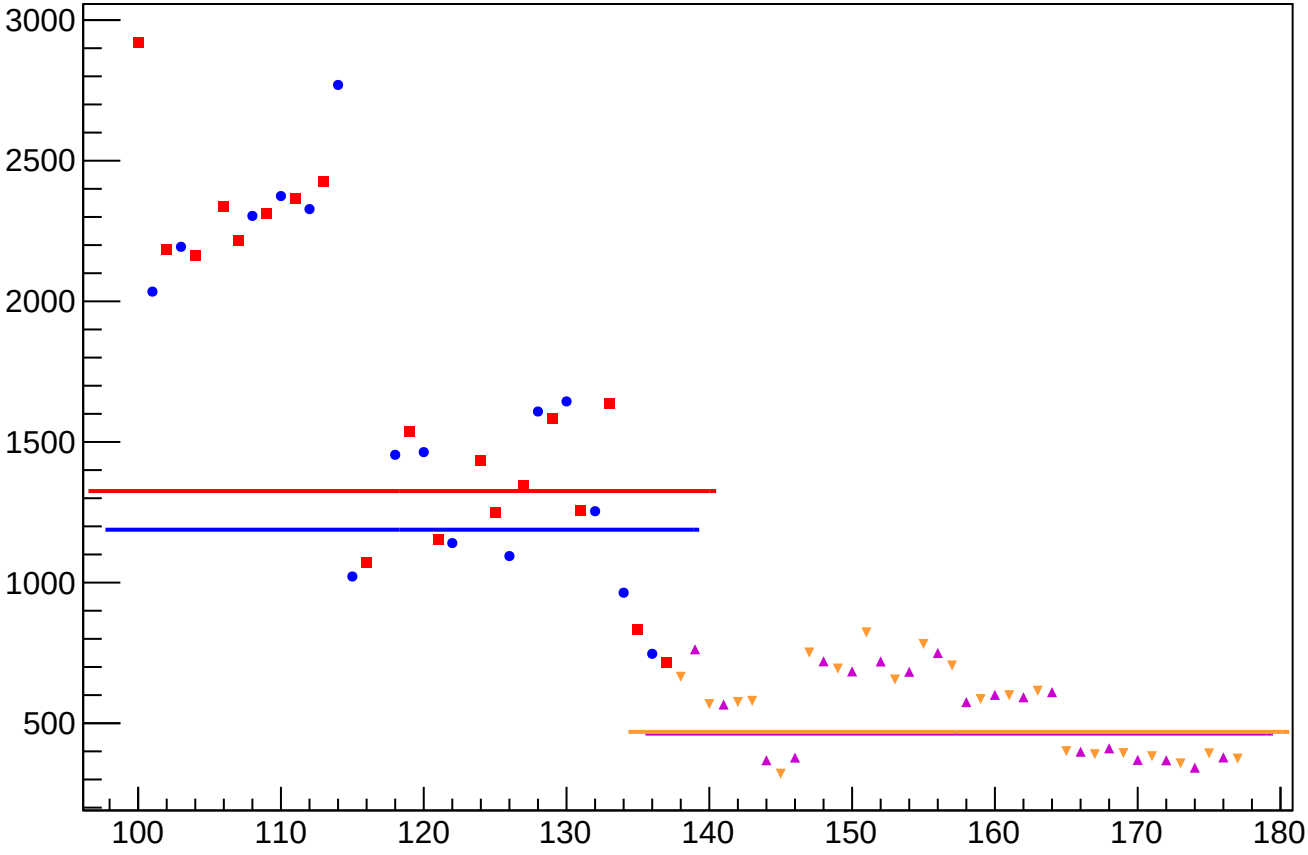
Left In: -100.186+/-123.107 χ^2/NDF:29.1/18

+ sign -420.760+/-116.900 χ^2/NDF: 68.7/36

All: -273.917+/-83.675 χ^2/NDF: 114.9/74

- sign -119.642+/-119.822 χ^2/NDF: 42.9/37

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 469.269+/-0.085 χ^2/NDF:2703465.7/20

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

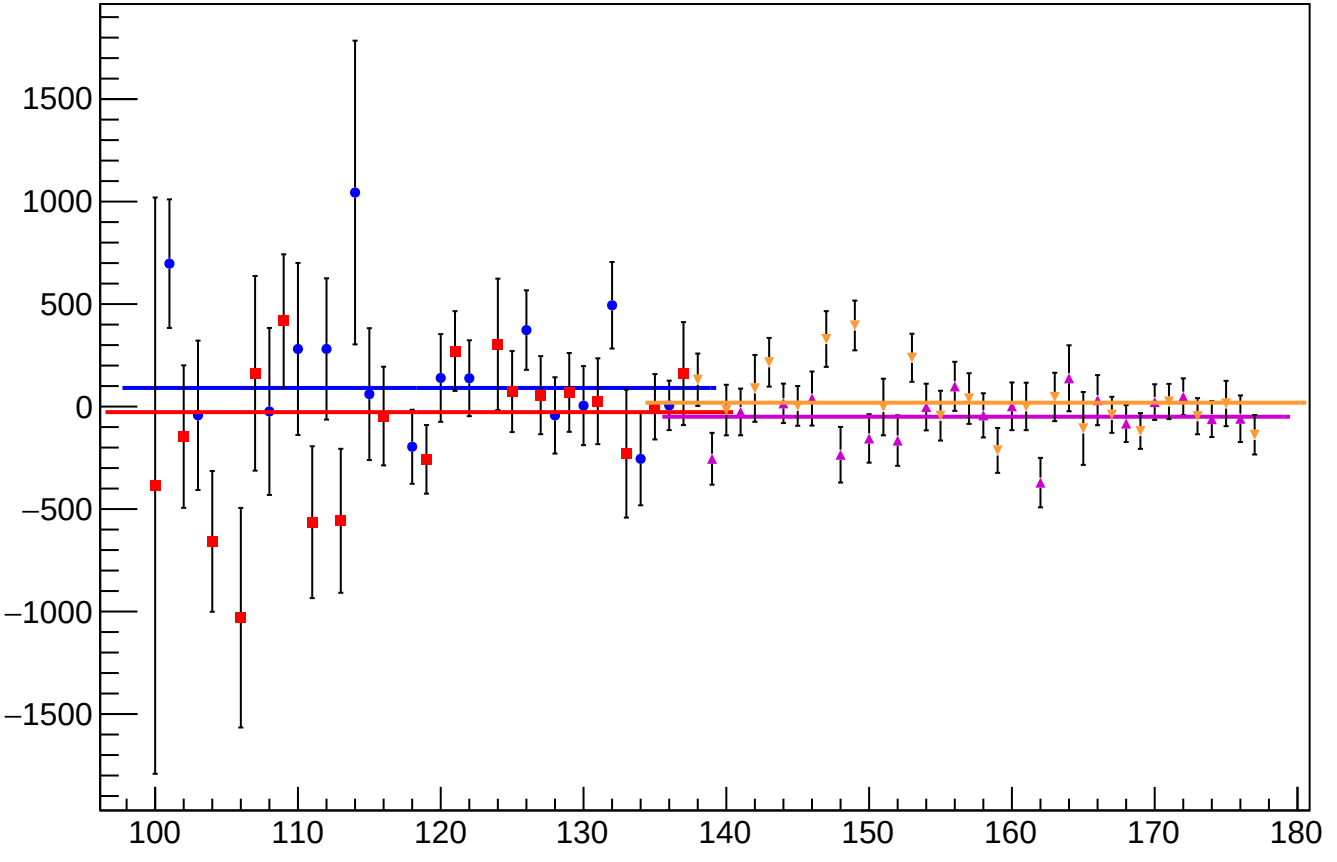
Left In: 463.070+/-0.087 χ^2/NDF:2398674.6/18

+ sign 512.098+/-0.083 χ^2/NDF: 8985160.7/36

All: 510.333+/-0.059 χ^2/NDF: 18474370.7/74

- sign 508.480+/-0.085 χ^2/NDF: 9488275.9/37

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 18.928+/-24.257 χ^2/NDF:33.8/20

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

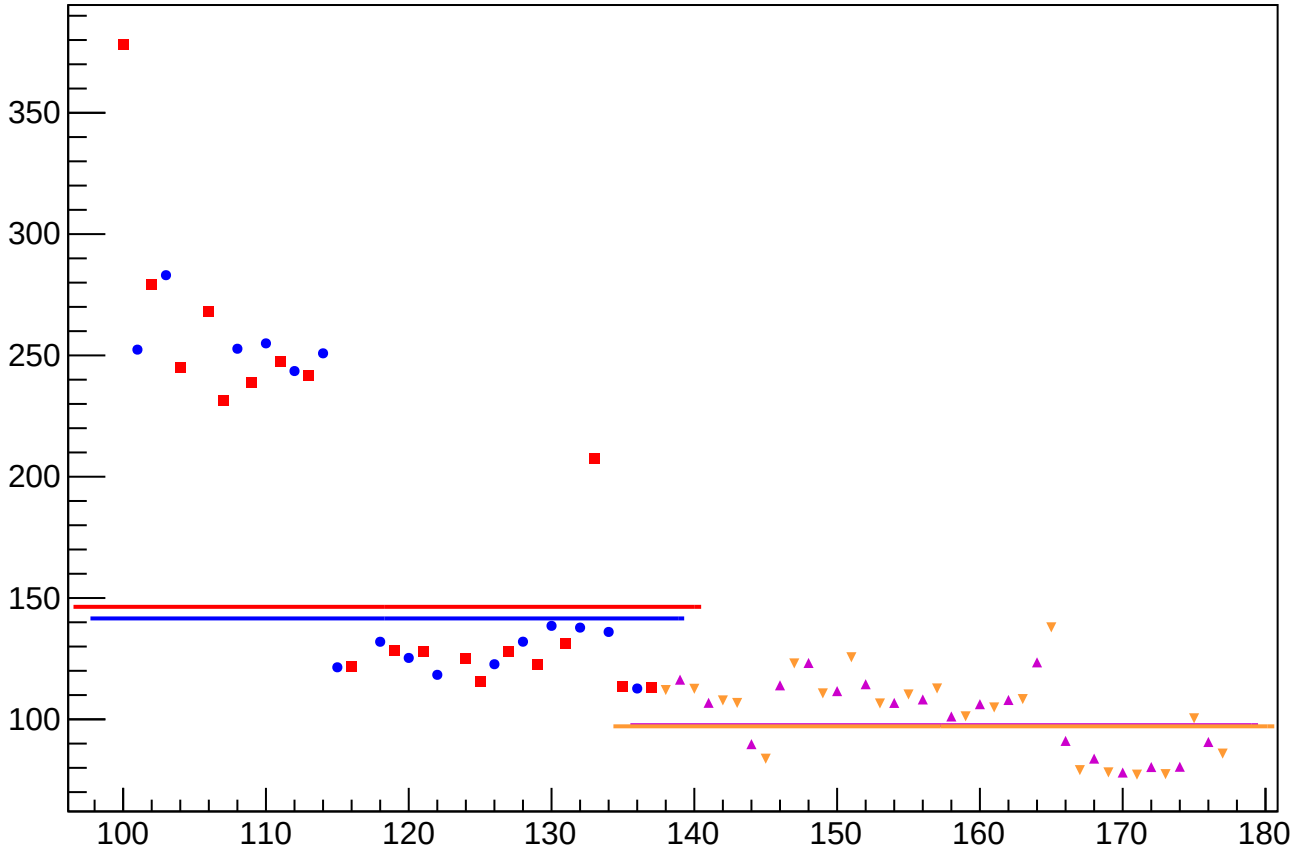
Left In: -49.529+/-25.281 χ^2/NDF:19.9/18

+ sign 30.450+/-22.231 χ^2/NDF: 53.3/36

All: -6.221+/-16.022 χ^2/NDF: 99.6/74

- sign -45.855+/-23.111 χ^2/NDF: 40.6/37

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.114+/-0.017 χ^2/NDF:921116.1/20

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

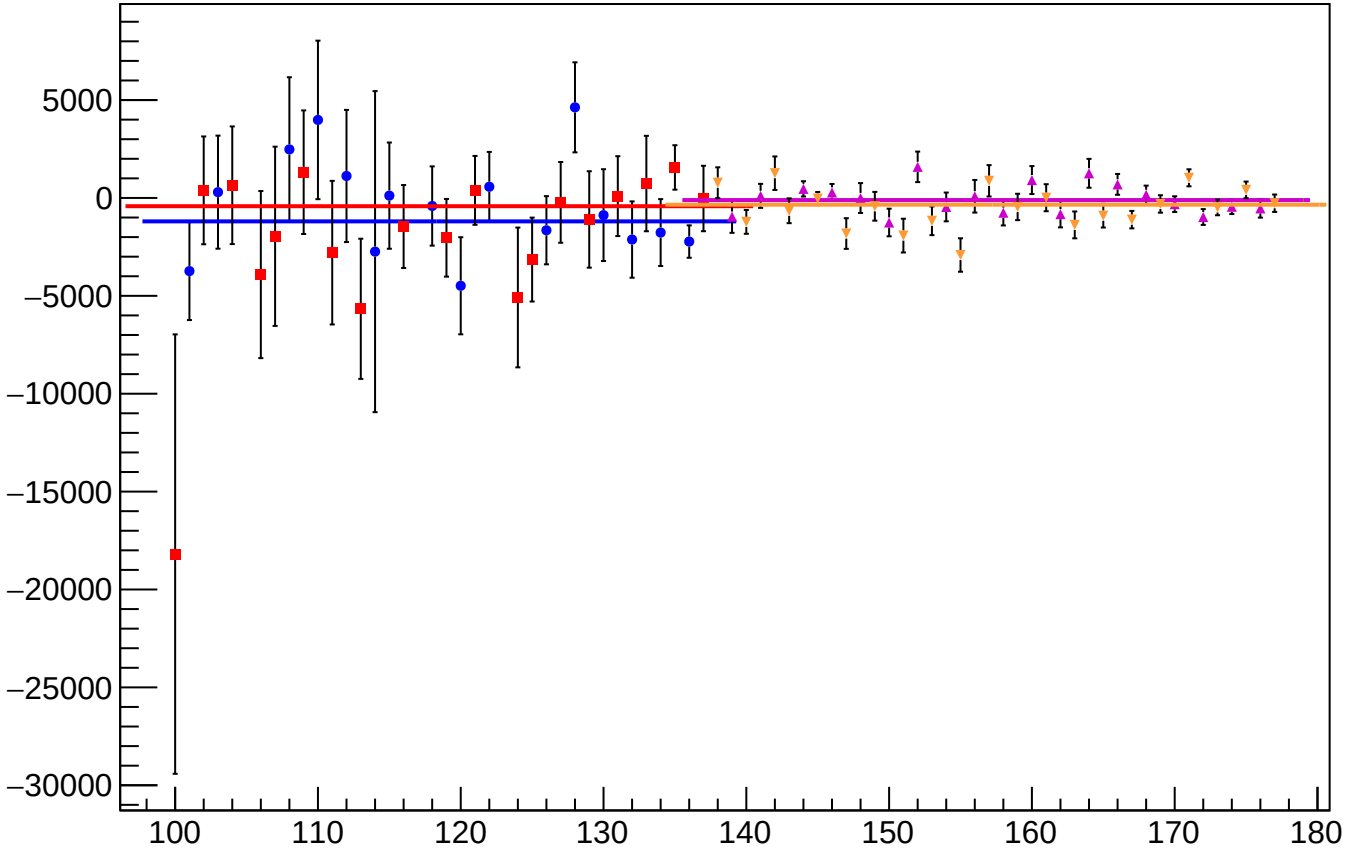
Left In: 97.581+/-0.018 χ^2/NDF:657875.4/18

+ sign 104.232+/-0.016 χ^2/NDF: 3259600.9/36

All: 104.888+/-0.011 χ^2/NDF: 6658540.4/74

- sign 105.597+/-0.016 χ^2/NDF: 3395315.8/37

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -344.953+/-121.104 χ^2/NDF:48.0/20

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

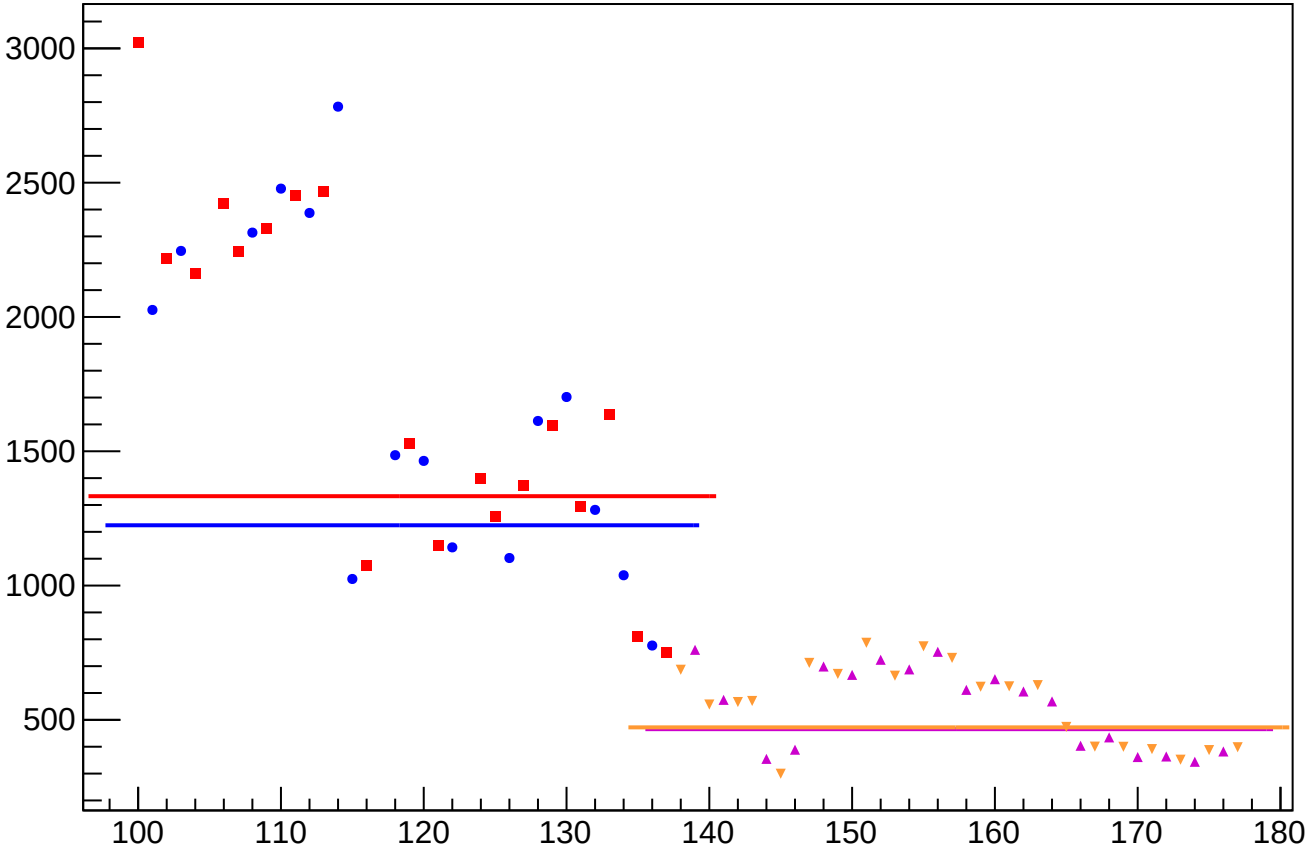
Left In: -108.738+/-124.063 χ^2/NDF:28.5/18

+ sign -393.724+/-117.586 χ^2/NDF: 66.8/36

All: -263.086+/-84.233 χ^2/NDF: 112.4/74

- sign -125.384+/-120.723 χ^2/NDF: 43.1/37

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 472.067+/-0.086 χ^2/NDF:2786721.4/20

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

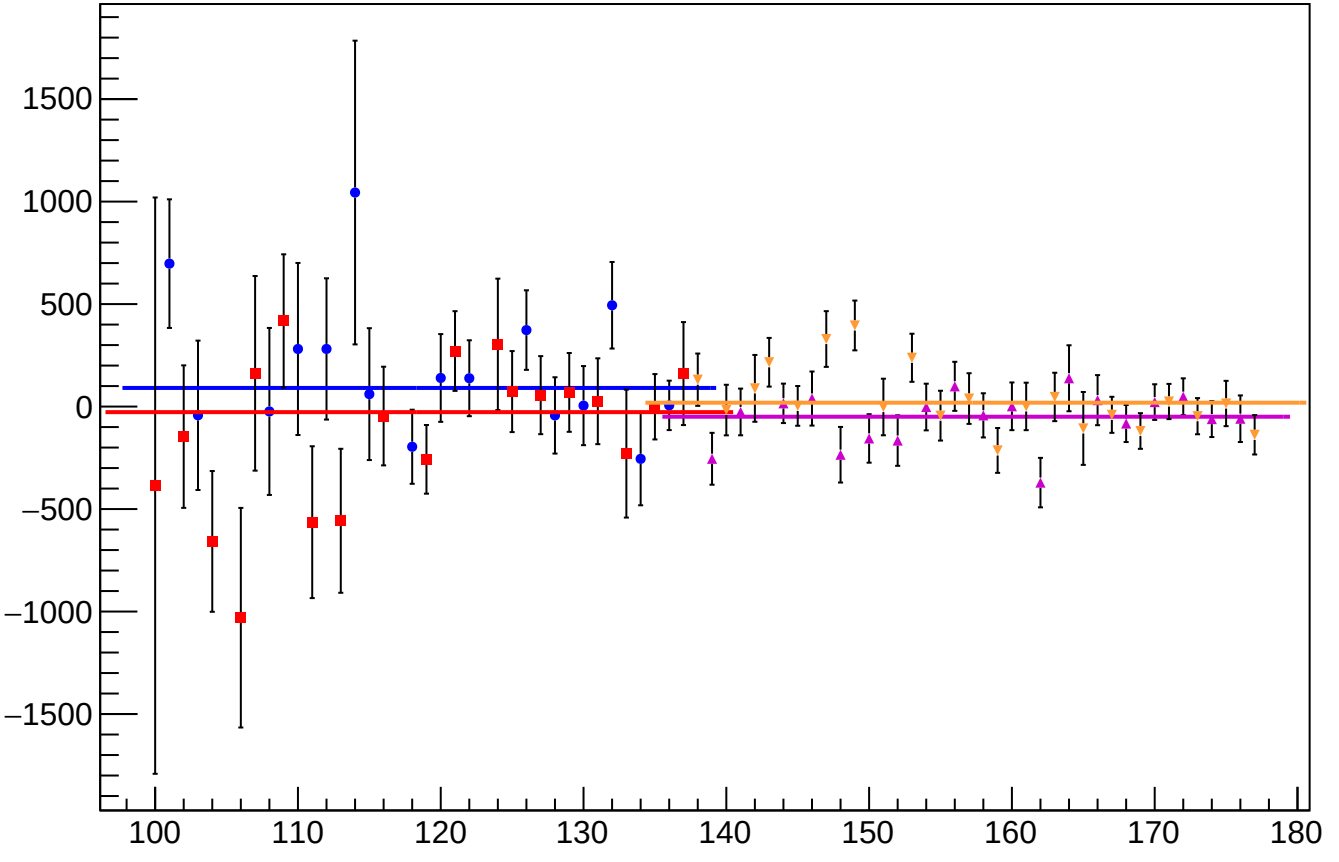
Left In: 465.404+/-0.088 χ^2/NDF:2462813.5/18

+ sign 515.151+/-0.083 χ^2/NDF: 9166678.0/36

All: 513.360+/-0.060 χ^2/NDF: 18817570.2/74

- sign 511.472+/-0.085 χ^2/NDF: 9649939.3/37

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 18.926+/-24.257 χ^2/NDF:33.8/20

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

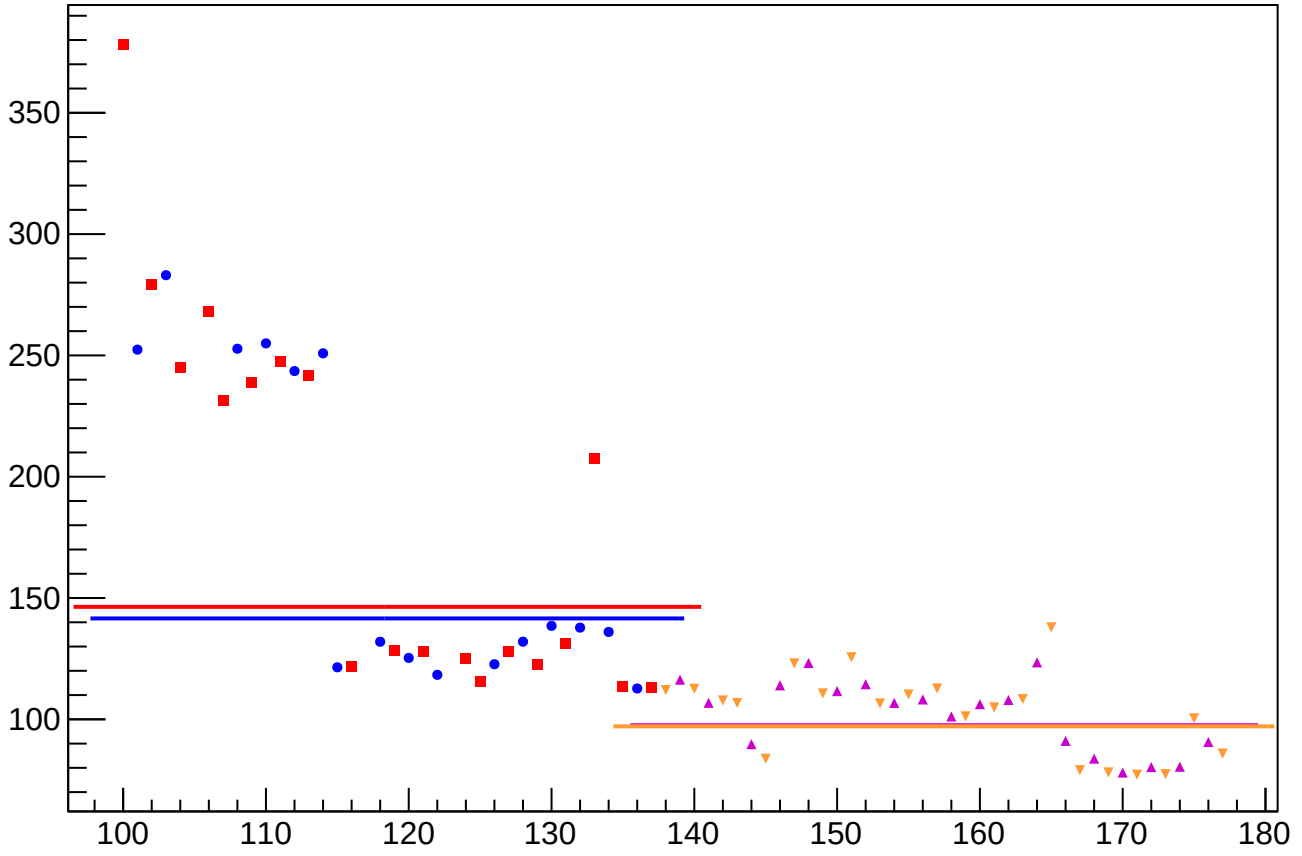
Left In: -49.528+/-25.281 χ^2/NDF:19.9/18

+ sign 30.449+/-22.231 χ^2/NDF: 53.3/36

All: -6.222+/-16.022 χ^2/NDF: 99.6/74

- sign -45.854+/-23.111 χ^2/NDF: 40.6/37

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.114+/-0.017 χ^2/NDF:921115.4/20

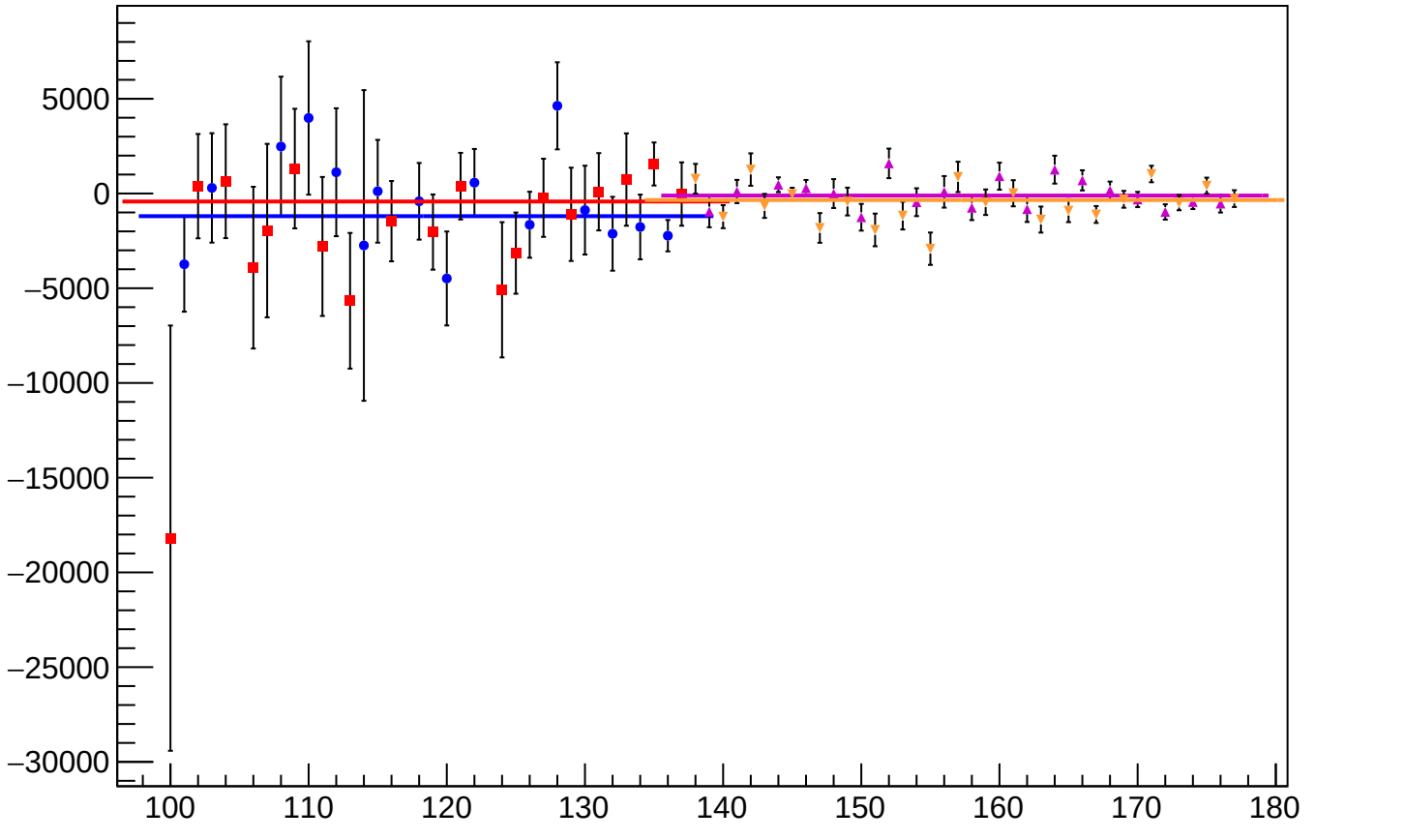
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.582+/-0.018 χ^2/NDF:657864.9/18

+ sign 104.233+/-0.016 χ^2/NDF: 3259549.9/36

All: 104.889+/-0.011 χ^2/NDF: 6658432.1/74

- sign 105.598+/-0.016 χ^2/NDF: 3395257.5/37



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -344.953+/-121.104 χ^2/NDF:48.0/20

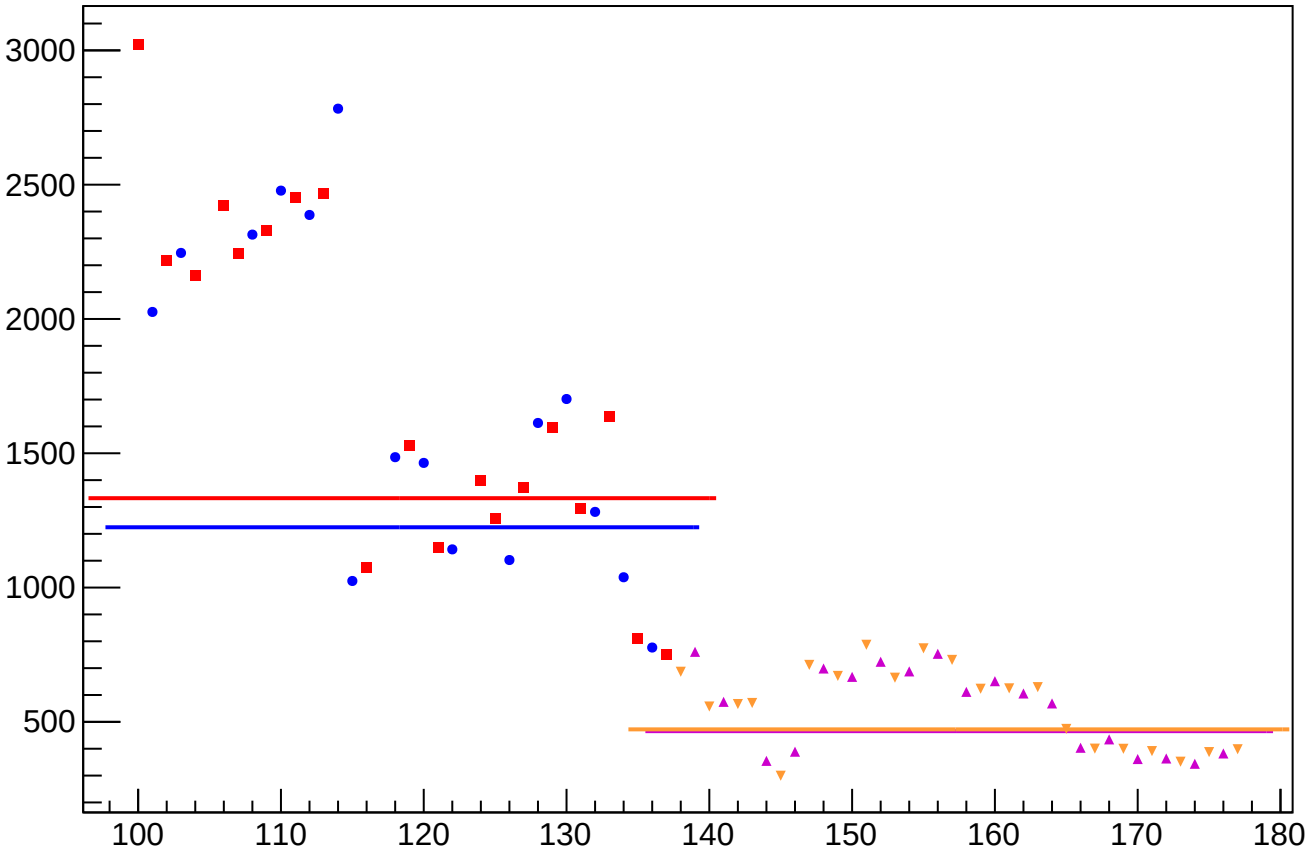
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -108.737+/-124.063 χ^2/NDF:28.5/18

+ sign -393.723+/-117.585 χ^2/NDF: 66.8/36

All: -263.086+/-84.233 χ^2/NDF: 112.4/74

- sign -125.384+/-120.723 χ^2/NDF: 43.1/37



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 472.066+/-0.086 χ^2/NDF:2786744.6/20

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

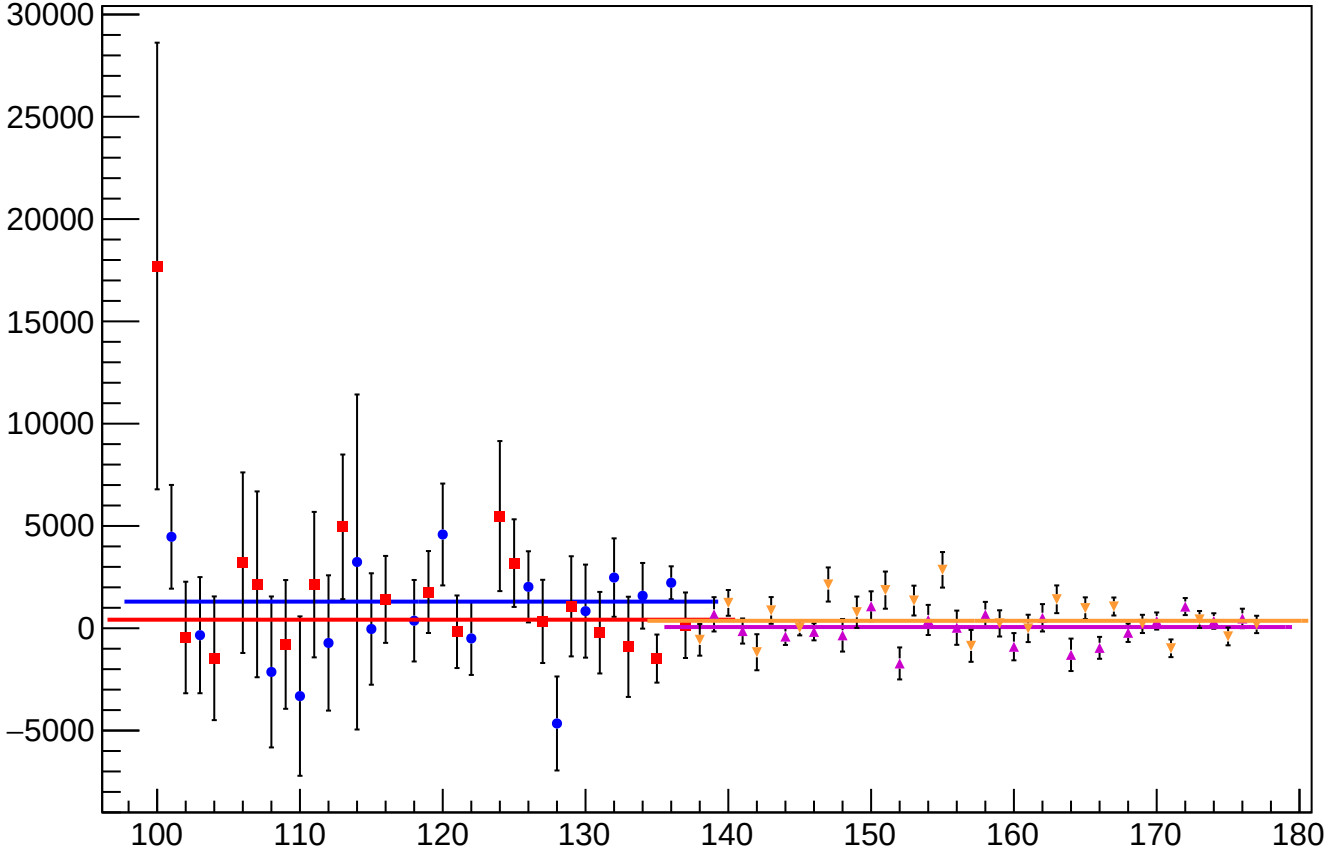
Left In: 465.404+/-0.088 χ^2/NDF:2462813.2/18

+ sign 515.150+/-0.083 χ^2/NDF: 9166691.4/36

All: 513.360+/-0.060 χ^2/NDF: 18817569.0/74

- sign 511.472+/-0.085 χ^2/NDF: 9649925.1/37

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 364.611+/-122.241 χ^2/NDF:47.6/20

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

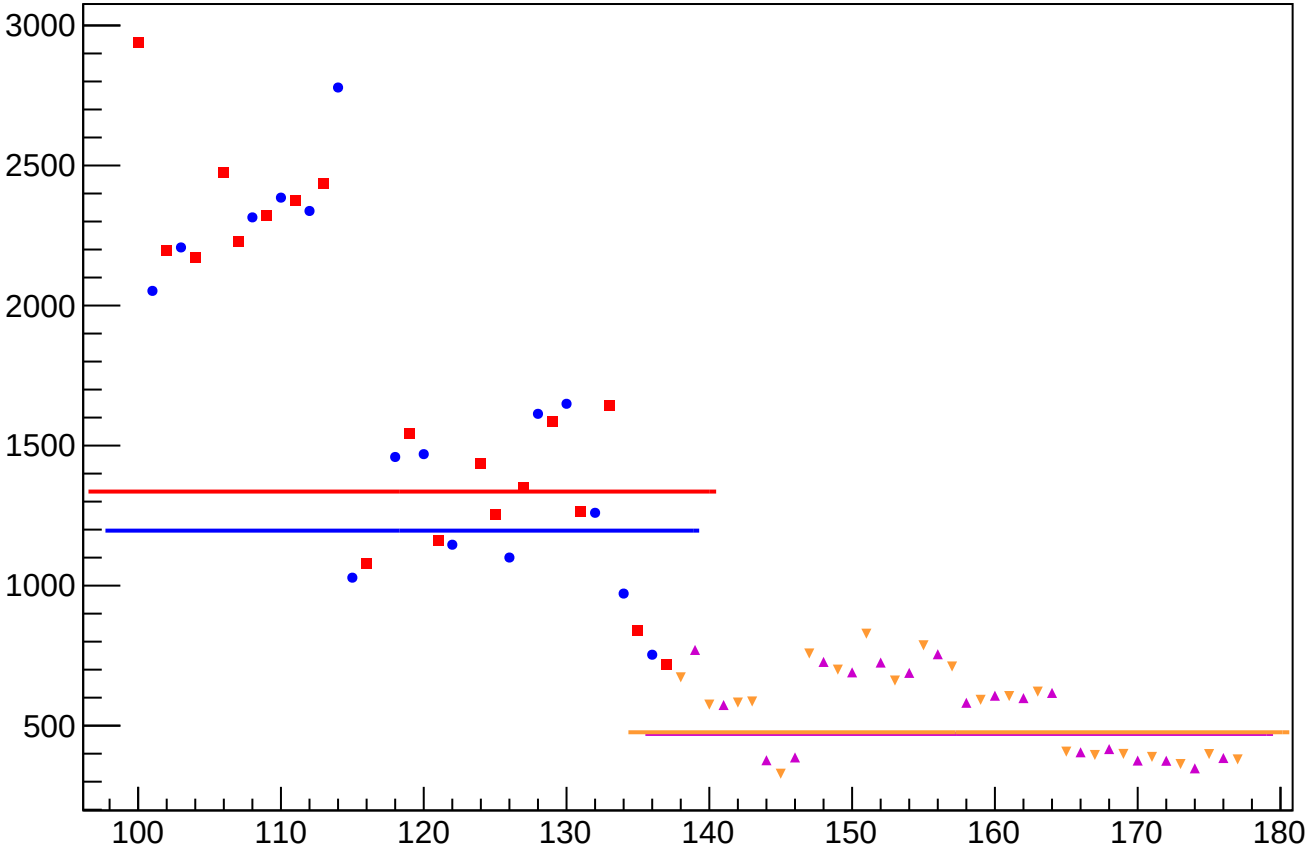
Left In: 58.591+/-124.937 χ^2/NDF:27.9/18

+ sign 421.246+/-118.489 χ^2/NDF: 67.6/36

All: 253.933+/-84.842 χ^2/NDF: 113.1/74

- sign 77.904+/-121.537 χ^2/NDF: 41.4/37

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 476.407+/-0.086 χ^2/NDF:2639325.8/20

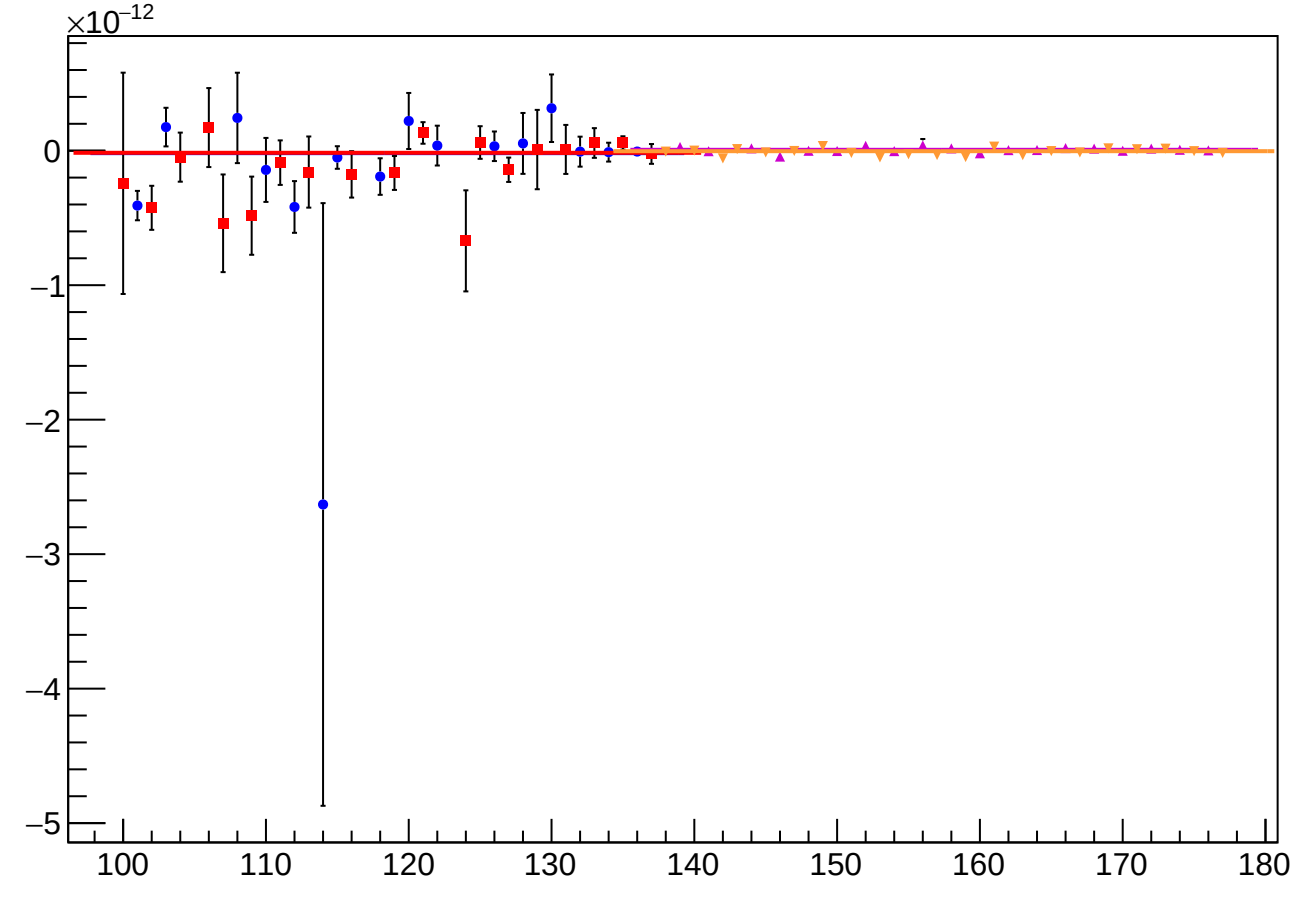
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 470.495+/-0.088 χ^2/NDF:2339779.2/18

+ sign 519.922+/-0.084 χ^2/NDF: 8864115.9/36

All: 518.476+/-0.060 χ^2/NDF: 18307013.3/74

- sign 516.954+/-0.086 χ^2/NDF: 9442285.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/20

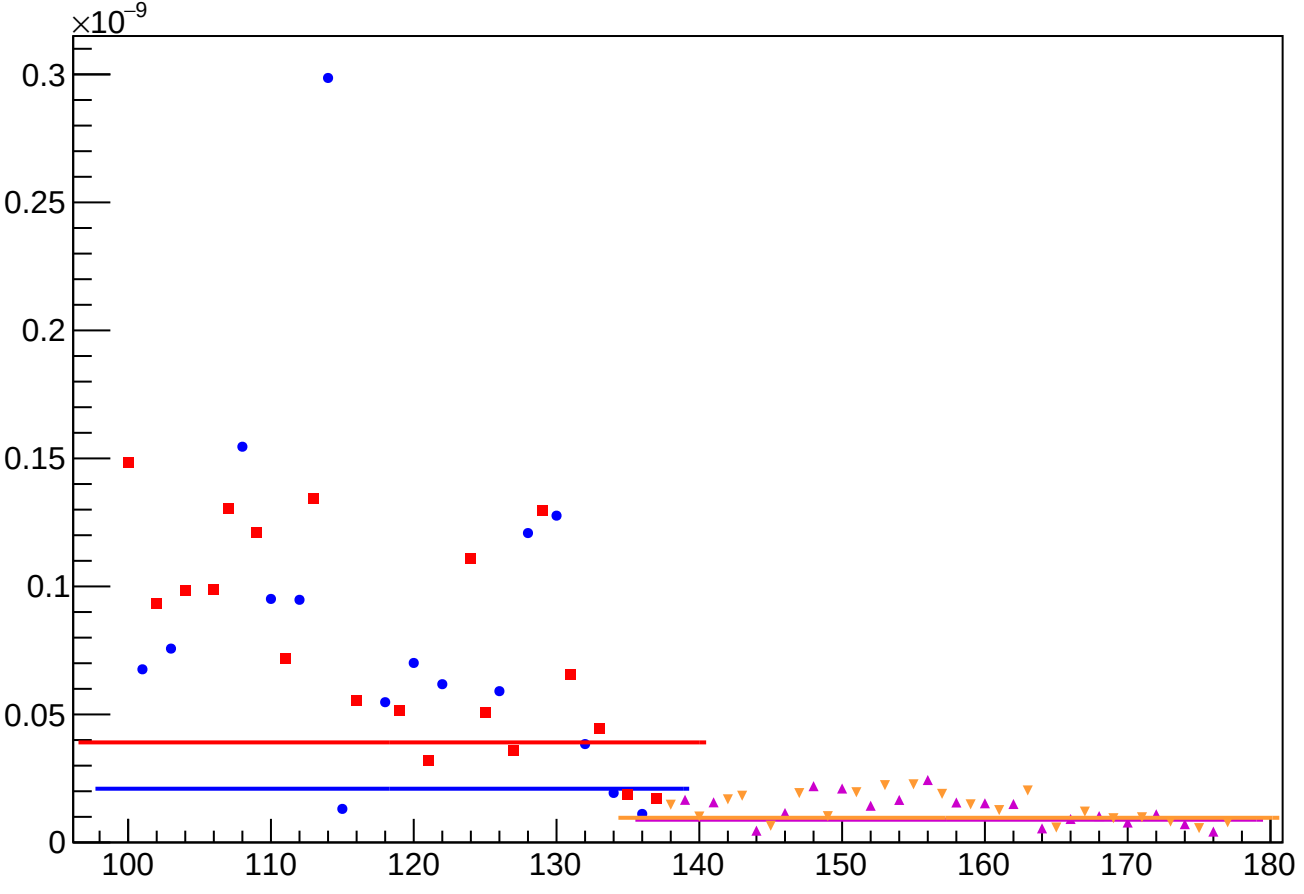
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 46.8/36

All: 0.000+/-0.000 χ^2/NDF: 90.1/74

- sign 0.000+/-0.000 χ^2/NDF: 40.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2376462.2/20

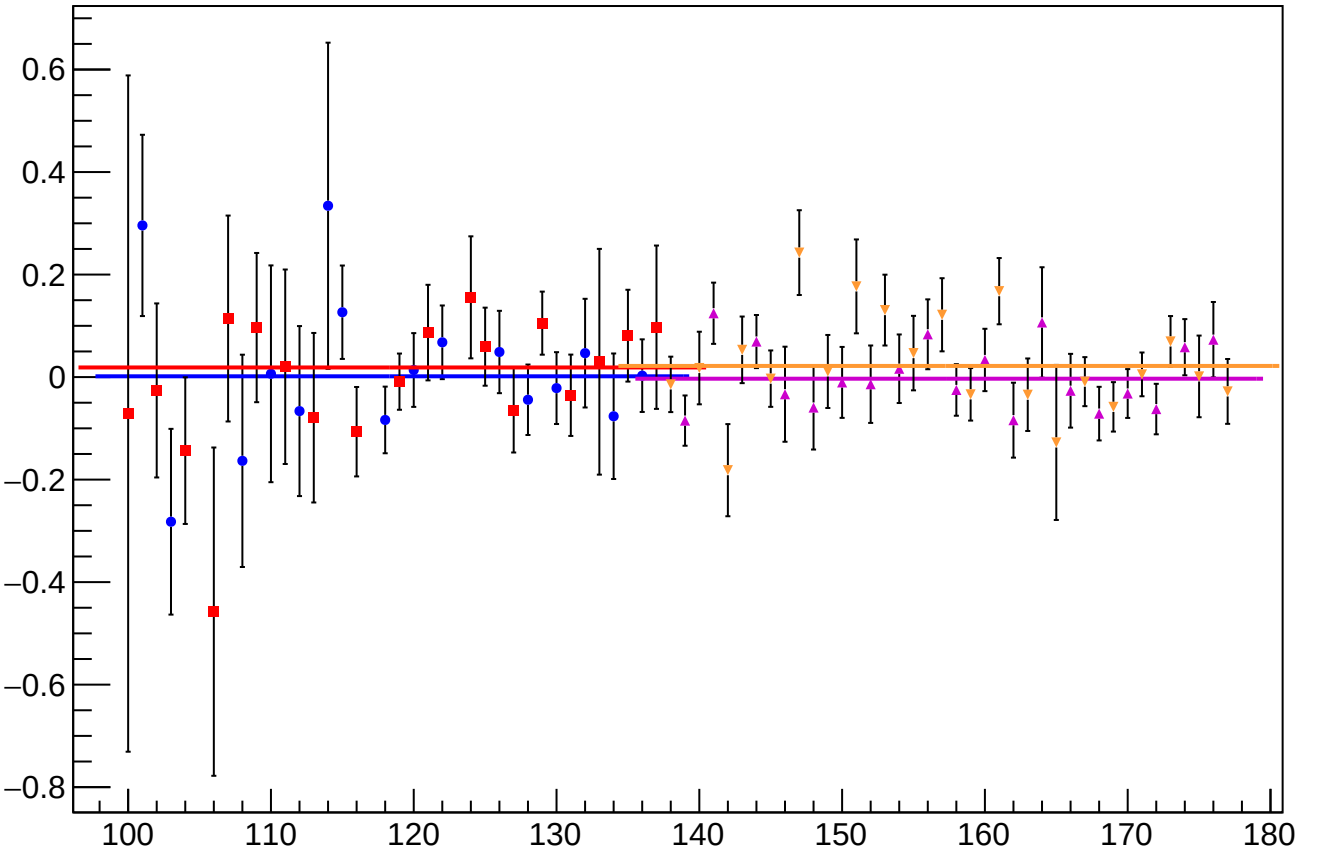
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2583039.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 6528533.8/36

All: 0.000+/-0.000 χ^2/NDF: 13554233.6/74

- sign 0.000+/-0.000 χ^2/NDF: 7000783.6/37



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

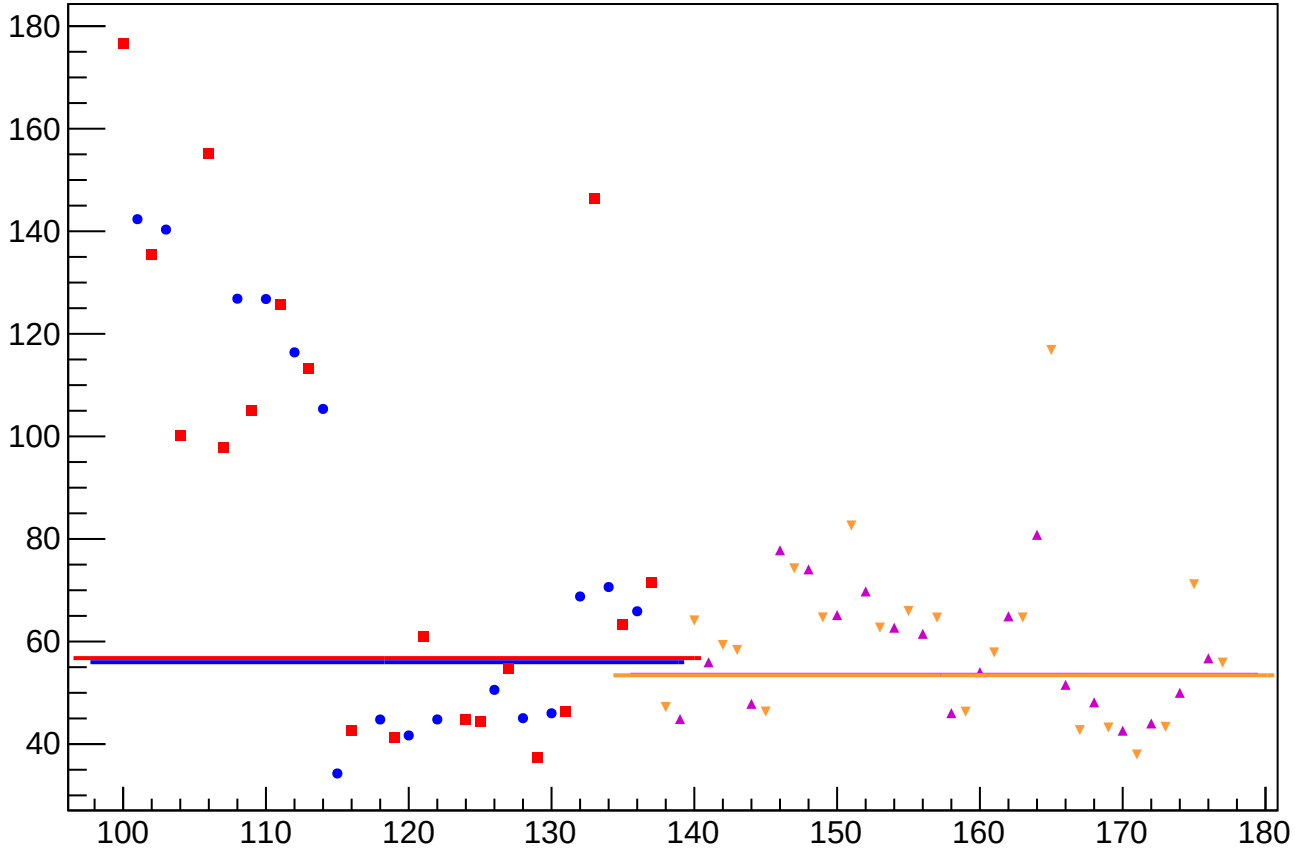
Left In: -0.003+/-0.014 χ^2/NDF:20.4/18

+ sign 0.017+/-0.012 χ^2/NDF: 47.0/36

All: 0.010+/-0.008 χ^2/NDF: 81.8/74

- sign 0.003+/-0.012 χ^2/NDF: 34.1/37

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: 53.421+/-0.010 χ^2/NDF:1737855.1/20

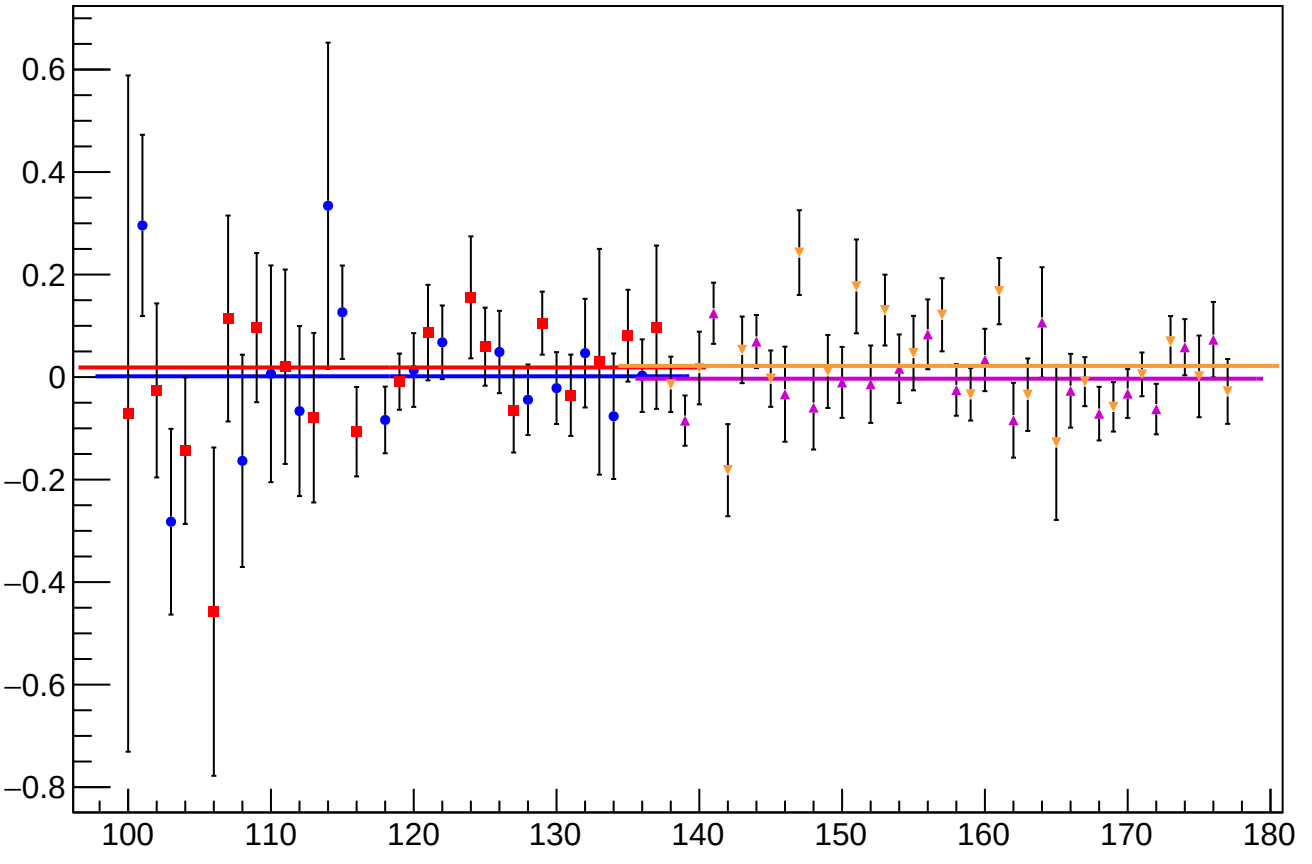
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.514+/-0.010 χ^2/NDF:1001576.7/18

+ sign 54.065+/-0.008 χ^2/NDF: 3935360.9/36

All: 54.216+/-0.006 χ^2/NDF: 7519034.4/74

- sign 54.376+/-0.009 χ^2/NDF: 3582997.3/37



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

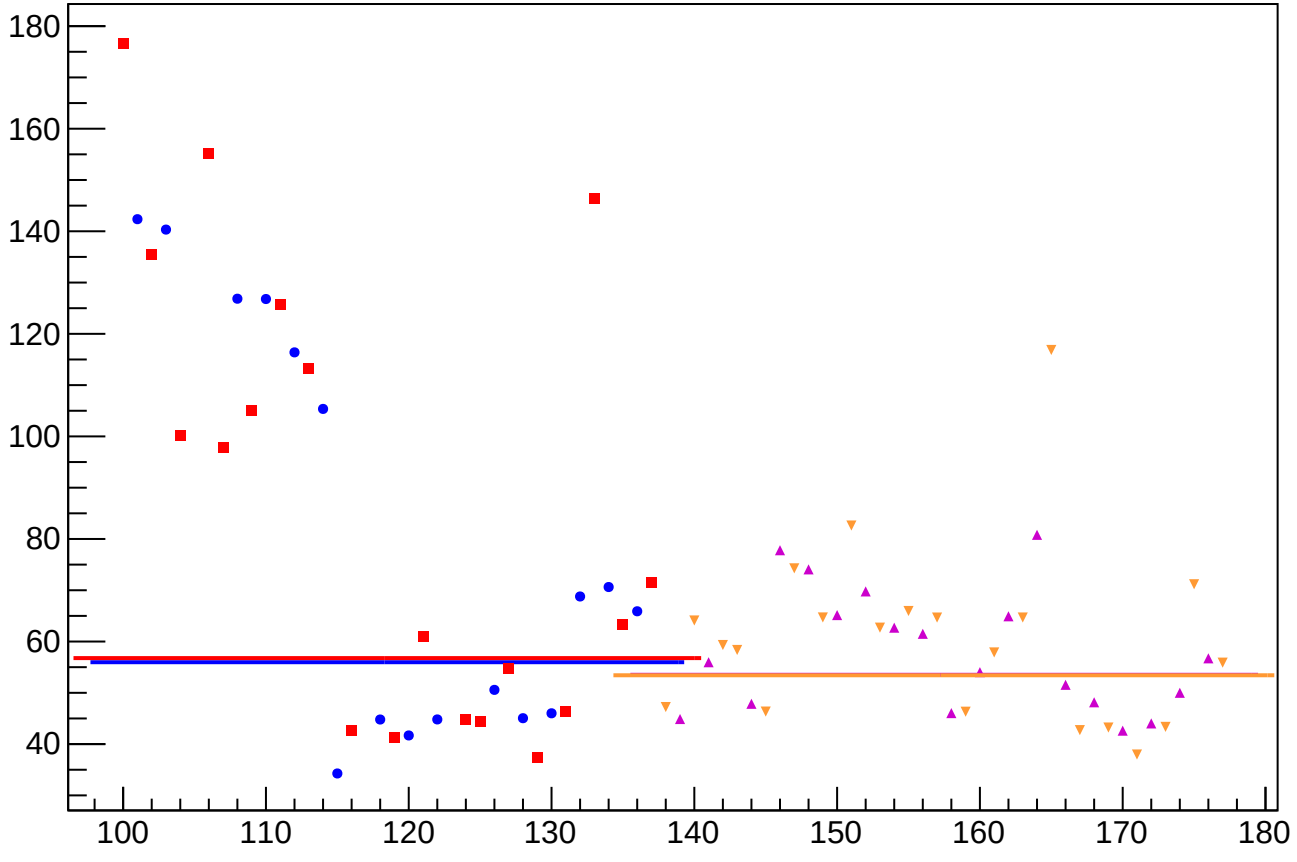
Left In: -0.003+/-0.014 χ^2/NDF:20.4/18

+ sign 0.017+/-0.012 χ^2/NDF: 47.0/36

All: 0.010+/-0.008 χ^2/NDF: 81.8/74

- sign 0.003+/-0.012 χ^2/NDF: 34.1/37

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.421+/-0.010 χ^2/NDF:1737855.1/20

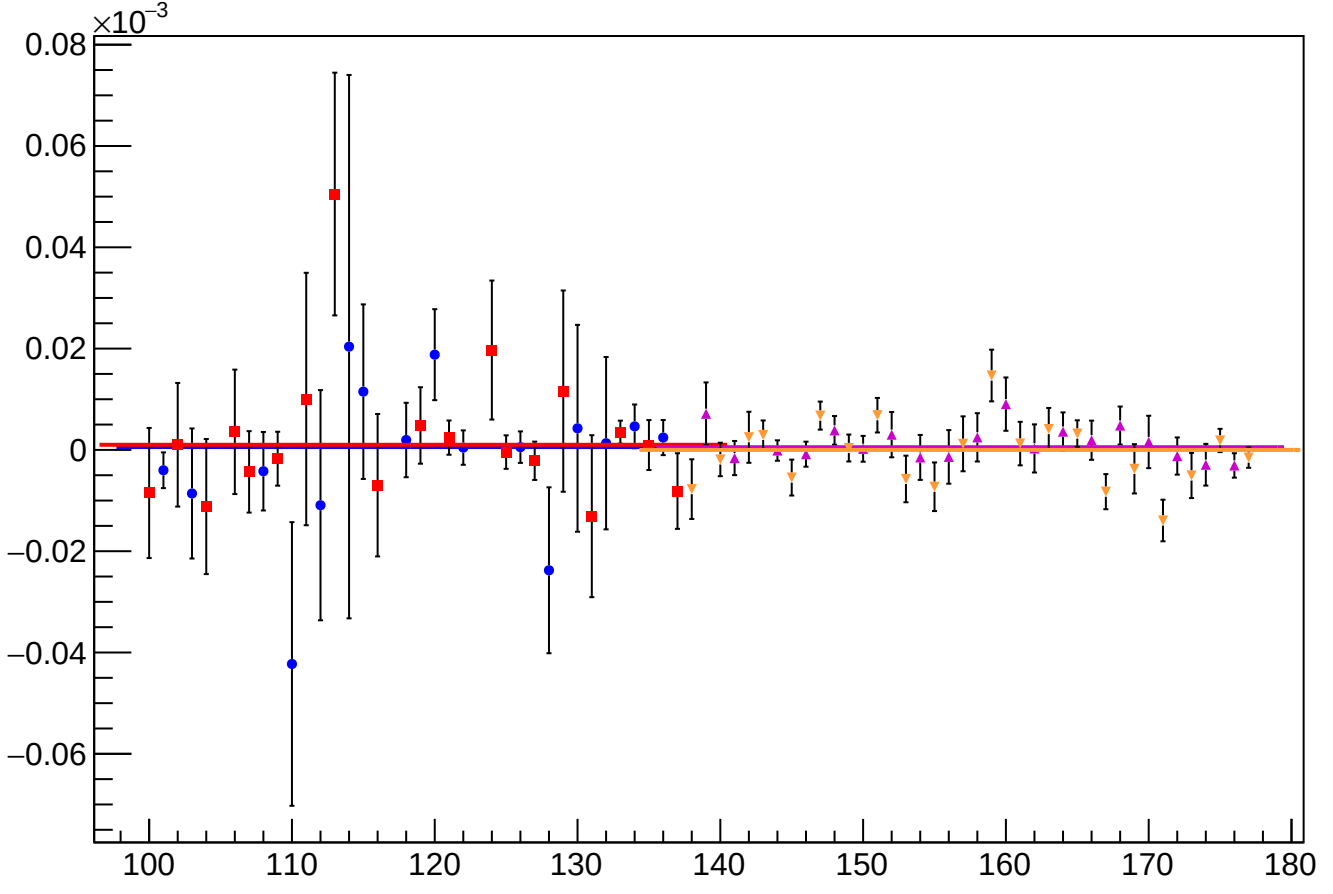
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.514+/-0.010 χ^2/NDF:1001576.7/18

+ sign 54.065+/-0.008 χ^2/NDF: 3935360.9/36

All: 54.216+/-0.006 χ^2/NDF: 7519034.4/74

- sign 54.376+/-0.009 χ^2/NDF: 3582997.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.8/20

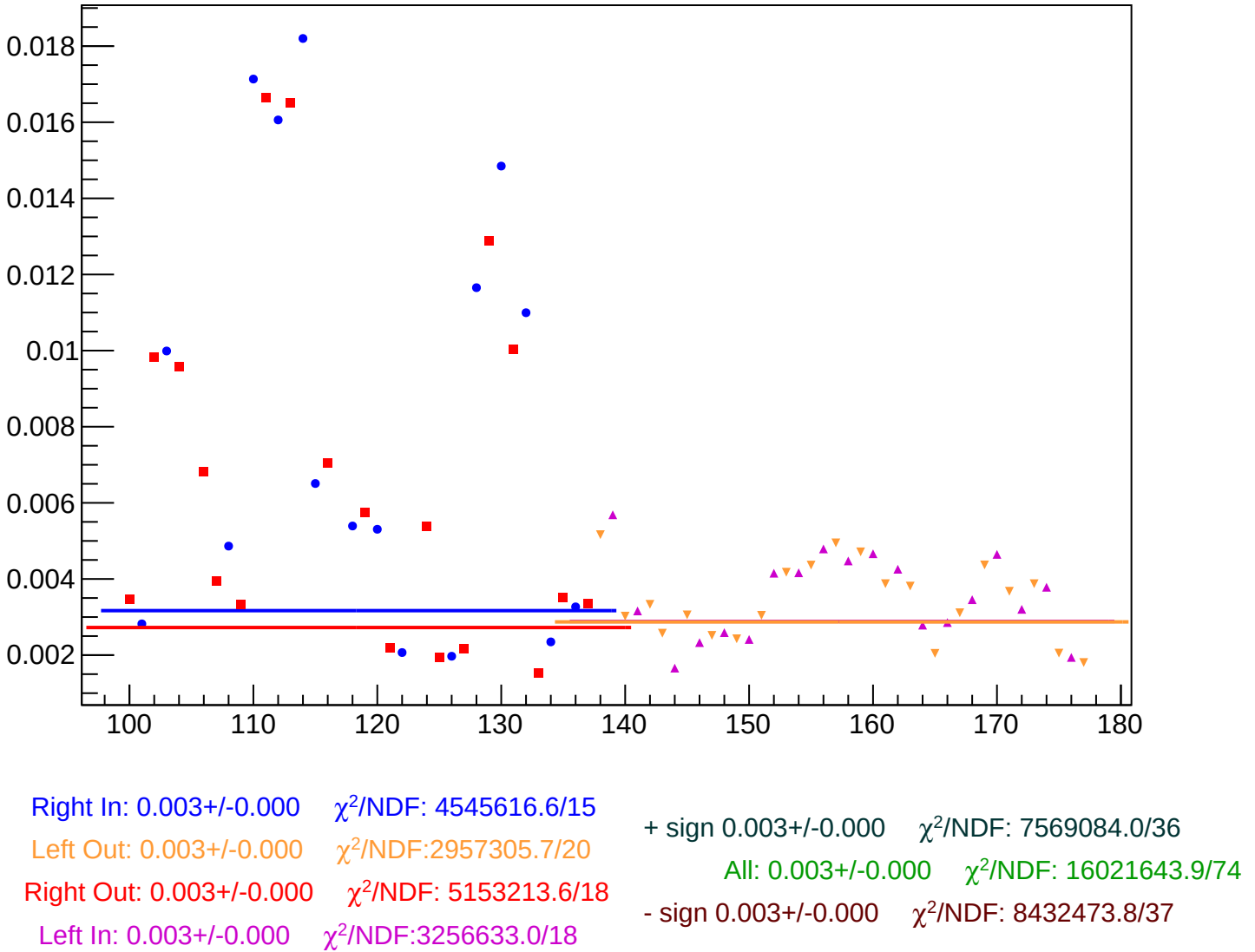
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

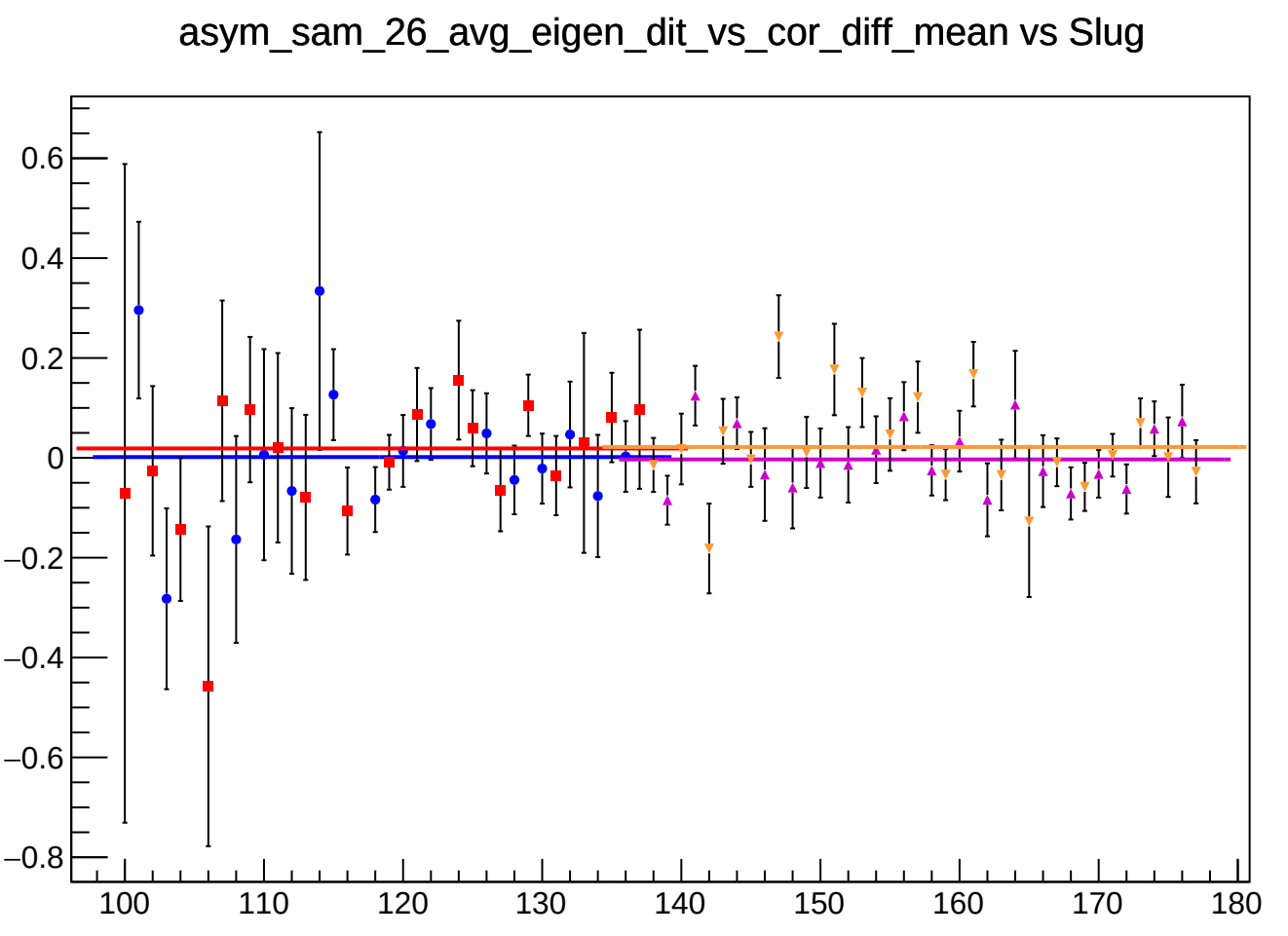
Left In: 0.000+/-0.000 χ^2/NDF:12.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/36

All: 0.000+/-0.000 χ^2/NDF: 90.6/74

- sign 0.000+/-0.000 χ^2/NDF: 26.0/37


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:2957305.7/20
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:3256633.0/18
+ sign 0.003+/-0.000 χ²/NDF: 7569084.0/36
All: 0.003+/-0.000 χ²/NDF: 16021643.9/74
- sign 0.003+/-0.000 χ²/NDF: 8432473.8/37



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

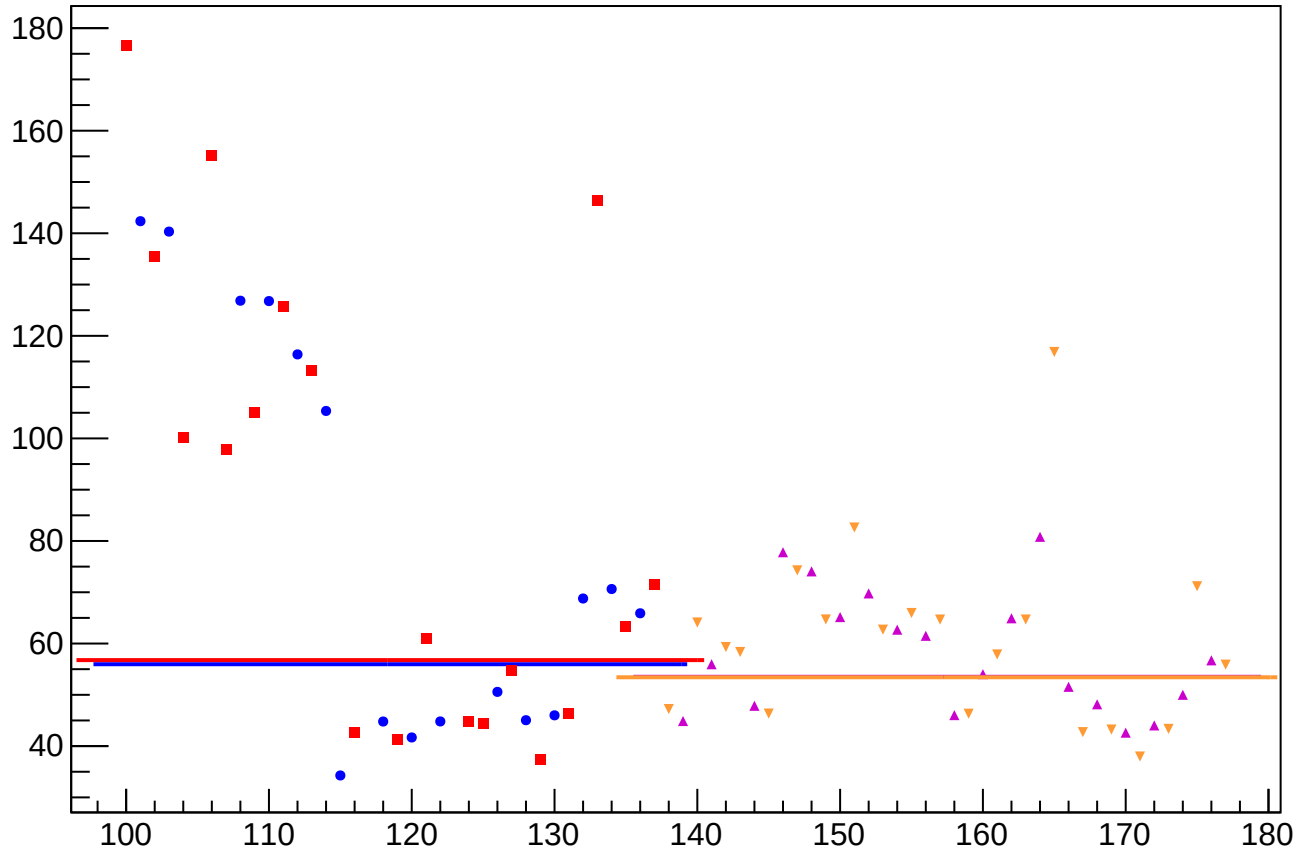
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.003+/-0.014 χ^2/NDF:20.4/18

+ sign 0.017+/-0.012 χ^2/NDF: 47.0/36

All: 0.010+/-0.008 χ^2/NDF: 81.8/74

- sign 0.003+/-0.012 χ^2/NDF: 34.1/37



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.422+/-0.010 χ^2/NDF:1737839.1/20

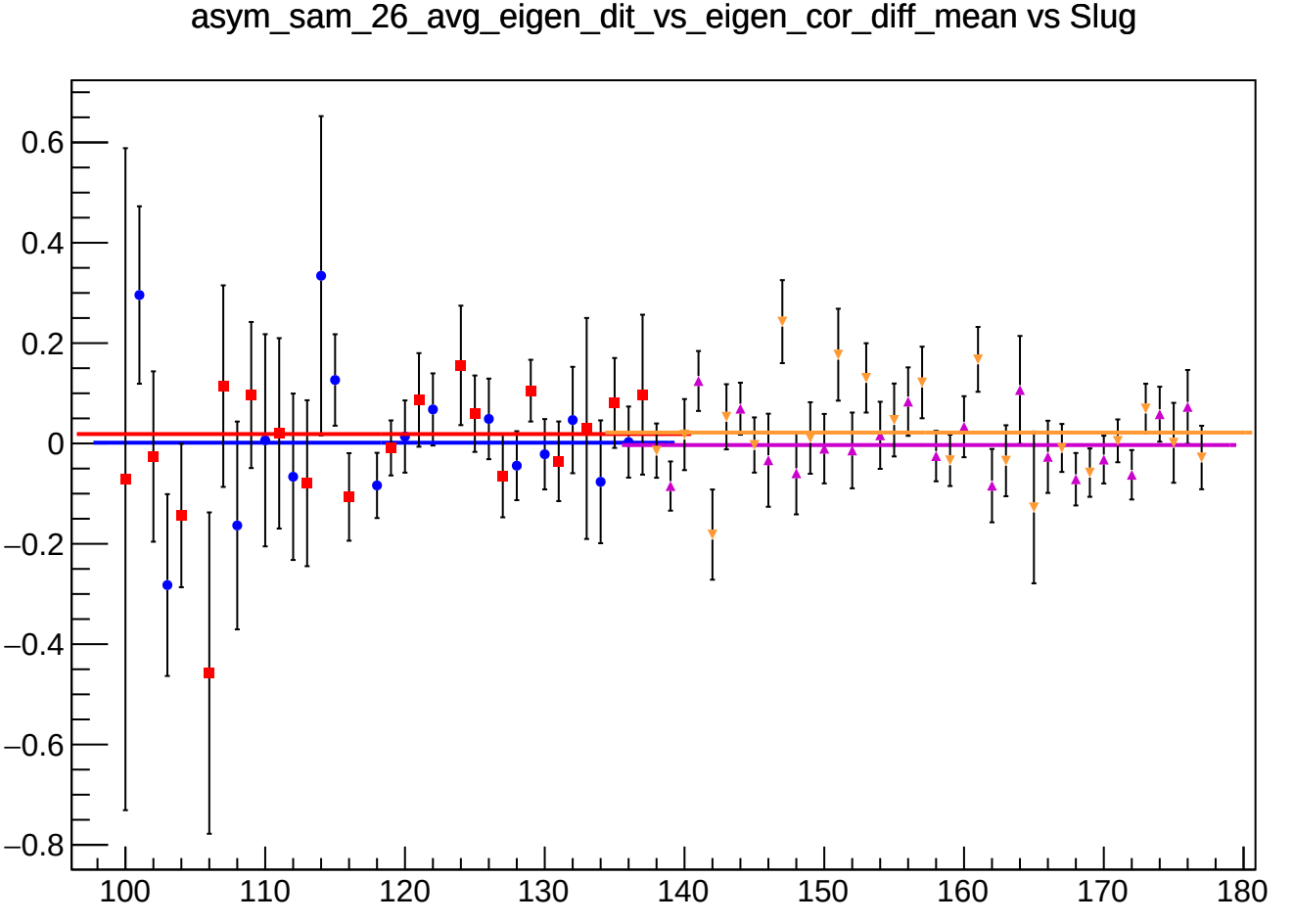
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.515+/-0.010 χ^2/NDF:1001551.9/18

\+ sign 54.066+/-0.008 χ^2/NDF: 3935263.3/36

All: 54.217+/-0.006 χ^2/NDF: 7518837.2/74

\- sign 54.376+/-0.009 χ^2/NDF: 3582897.4/37



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

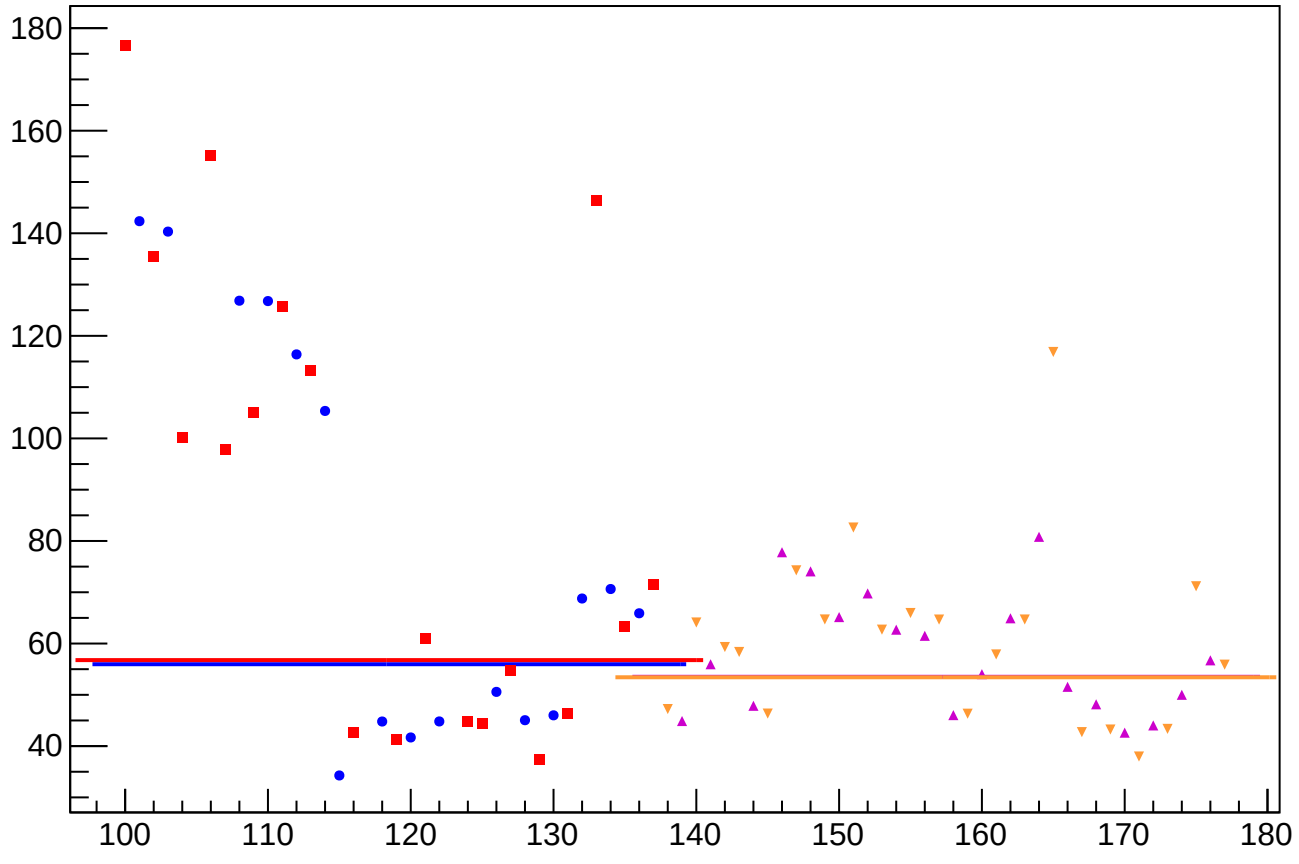
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.003+/-0.014 χ^2/NDF:20.4/18

+ sign 0.017+/-0.012 χ^2/NDF: 47.0/36

All: 0.010+/-0.008 χ^2/NDF: 81.8/74

- sign 0.003+/-0.012 χ^2/NDF: 34.1/37



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.422+/-0.010 χ^2/NDF:1737839.1/20

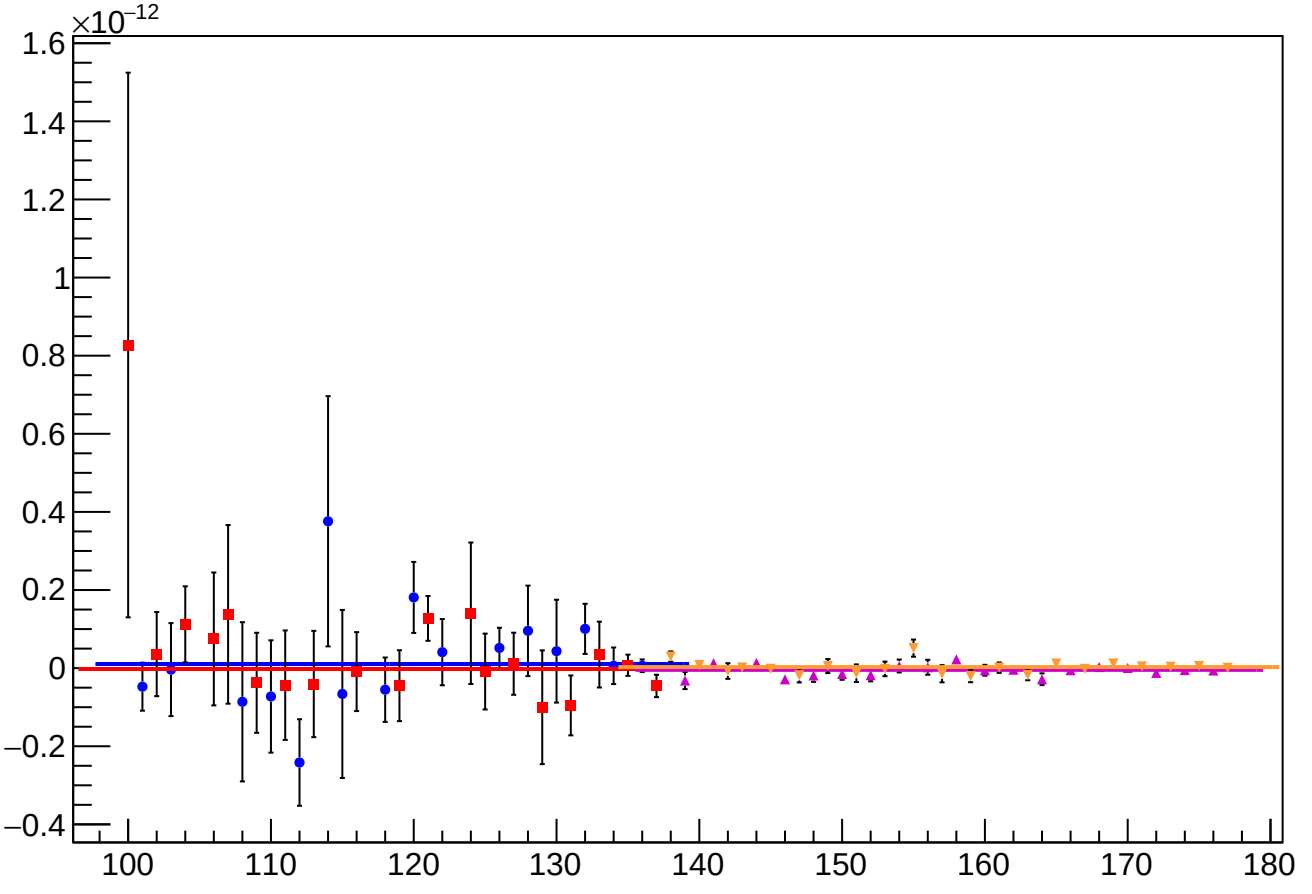
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.515+/-0.010 χ^2/NDF:1001551.9/18

\+ sign 54.066+/-0.008 χ^2/NDF: 3935263.3/36

All: 54.217+/-0.006 χ^2/NDF: 7518837.2/74

\- sign 54.376+/-0.009 χ^2/NDF: 3582897.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/20

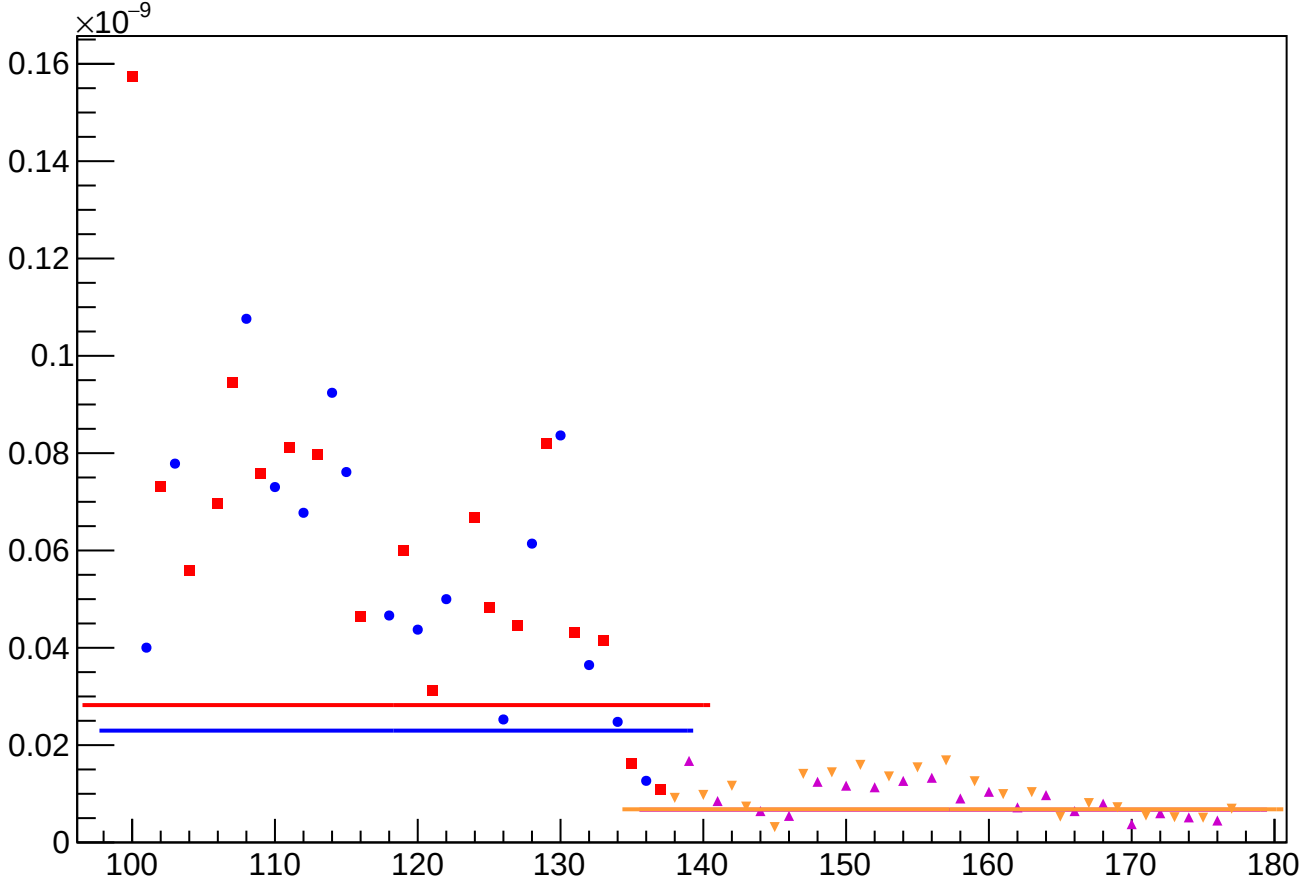
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 35.8/36

All: -0.000+/-0.000 χ^2/NDF: 84.8/74

- sign -0.000+/-0.000 χ^2/NDF: 43.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4226511.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

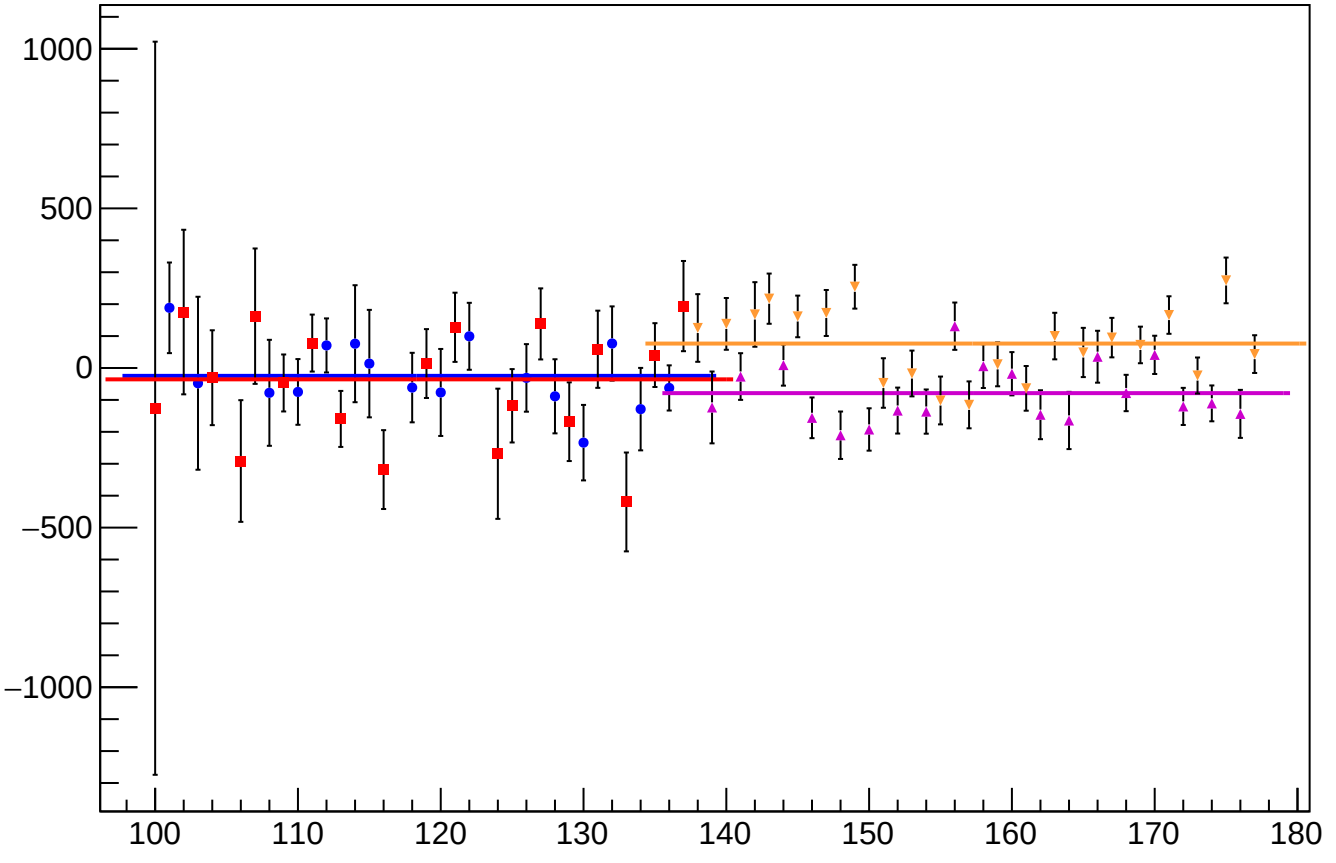
Left In: 0.000+/-0.000 χ^2/NDF:2808978.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 10978232.5/36

All: 0.000+/-0.000 χ^2/NDF: 21374089.2/74

- sign 0.000+/-0.000 χ^2/NDF: 10393850.4/37

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 76.533+/-15.273 χ^2/NDF:50.4/20

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

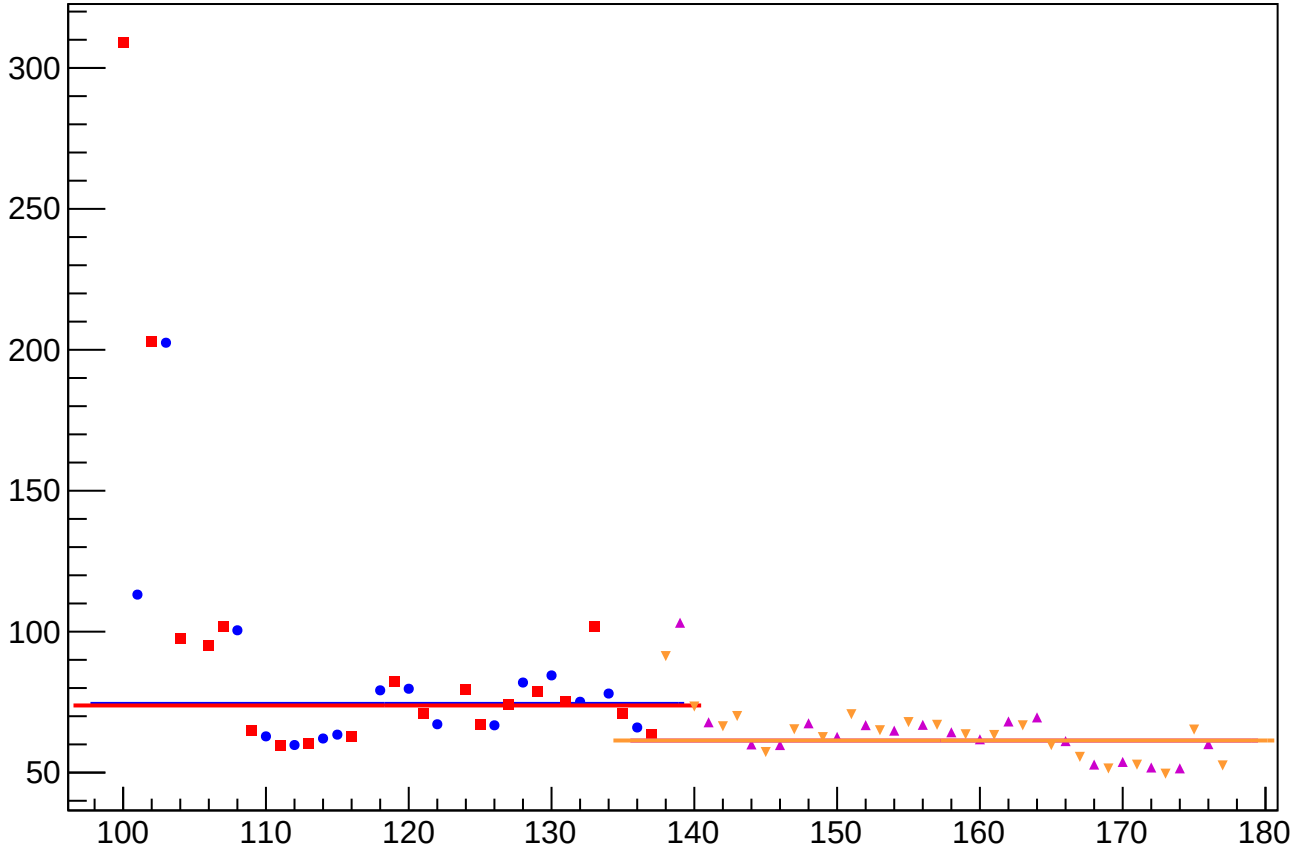
Left In: -78.742+/-15.815 χ^2/NDF:30.9/18

+ sign 54.461+/-13.505 χ^2/NDF: 71.0/36

All: -5.613+/-9.660 χ^2/NDF: 174.3/74

- sign -68.556+/-13.824 χ^2/NDF: 62.8/37

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 61.387+/-0.011 χ^2/NDF:581585.2/20

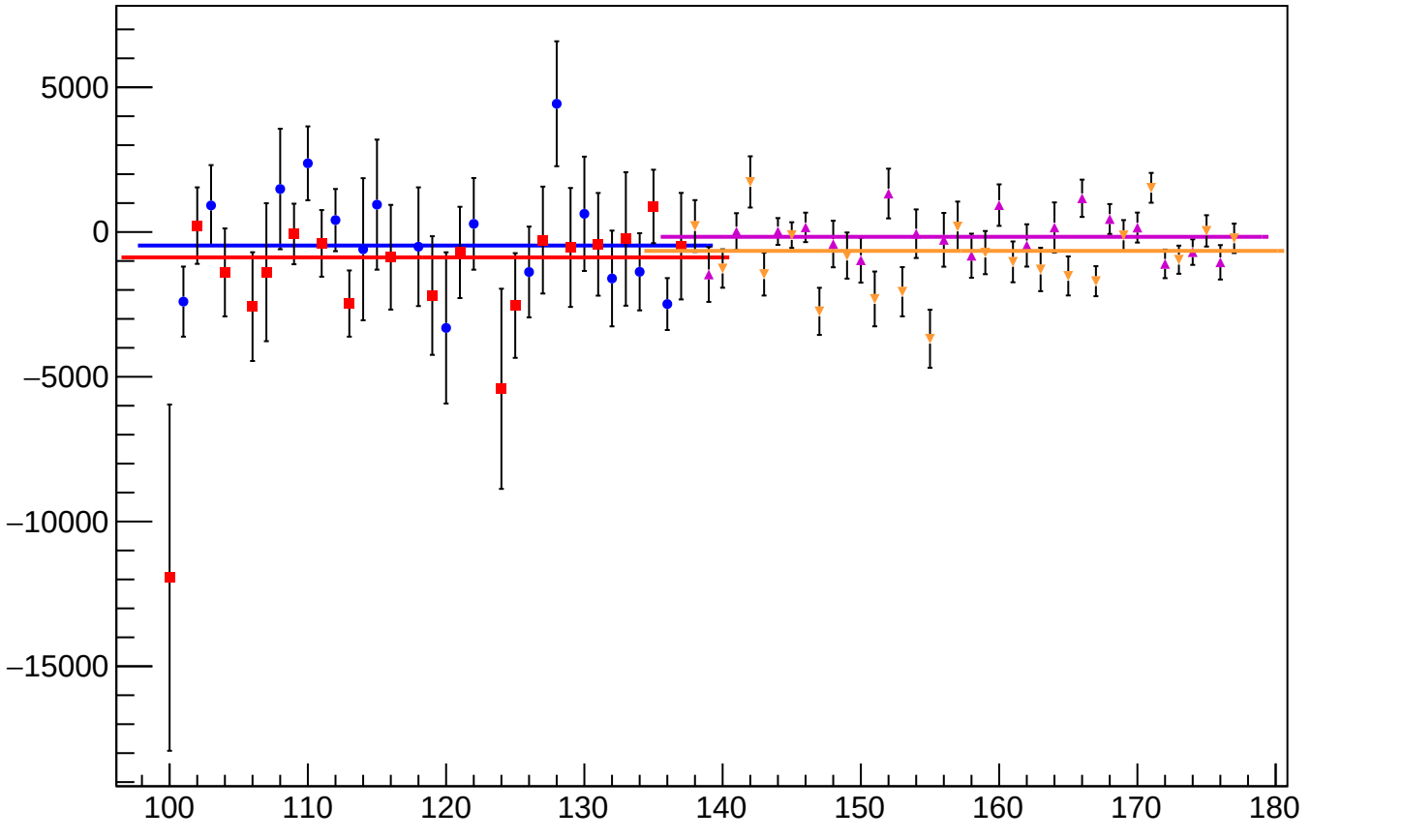
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

+ sign 64.219+/-0.010 χ^2/NDF: 1724417.1/36

All: 64.258+/-0.007 χ^2/NDF: 3514819.3/74

- sign 64.298+/-0.010 χ^2/NDF: 1790368.7/37



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -651.137+/-141.409 χ^2/NDF:62.7/20

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

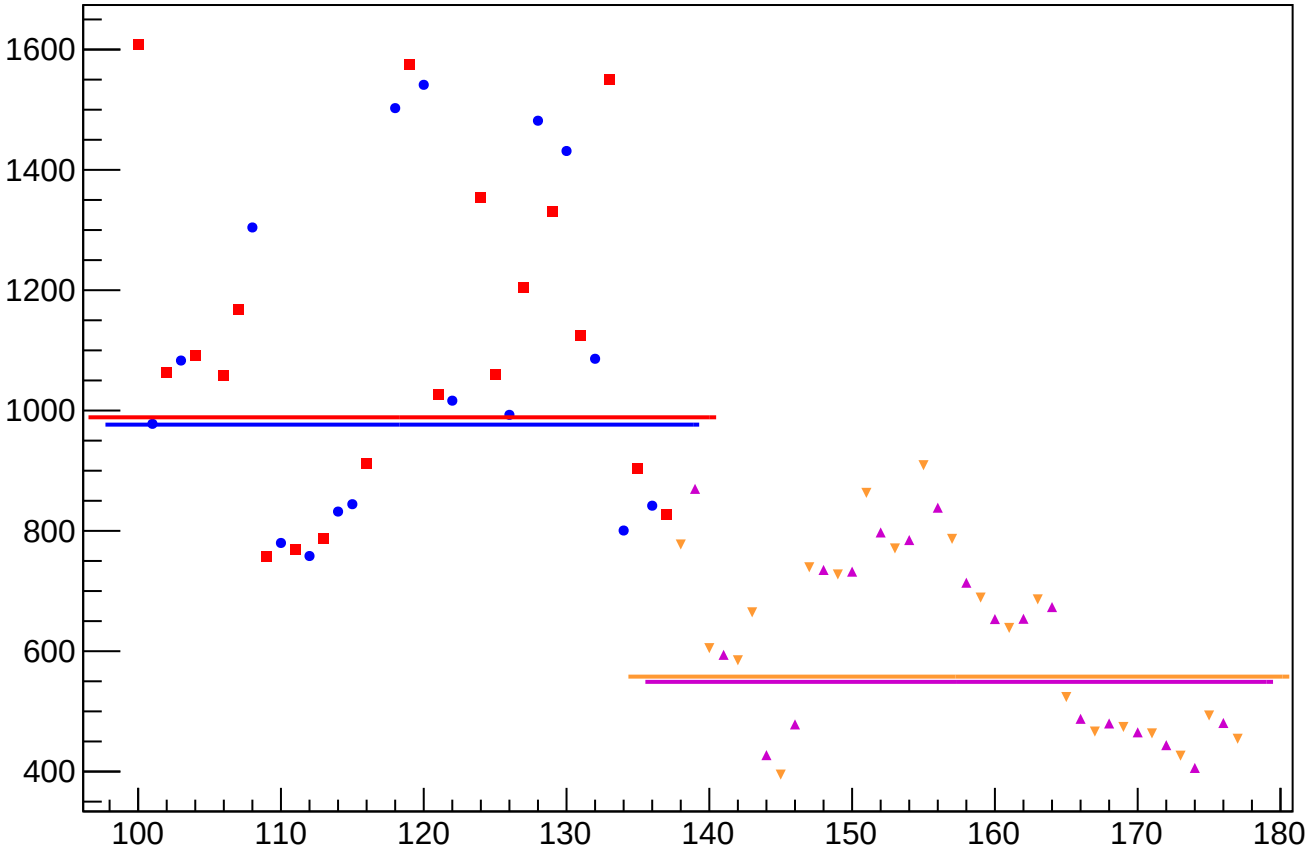
Left In: -165.381+/-144.197 χ^2/NDF:23.4/18

+ sign -628.157+/-132.315 χ^2/NDF: 86.6/36

All: -446.063+/-94.310 χ^2/NDF: 130.0/74

- sign -258.019+/-134.460 χ^2/NDF: 39.6/37

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 557.771+/-0.100 χ^2/NDF:1942755.9/20

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

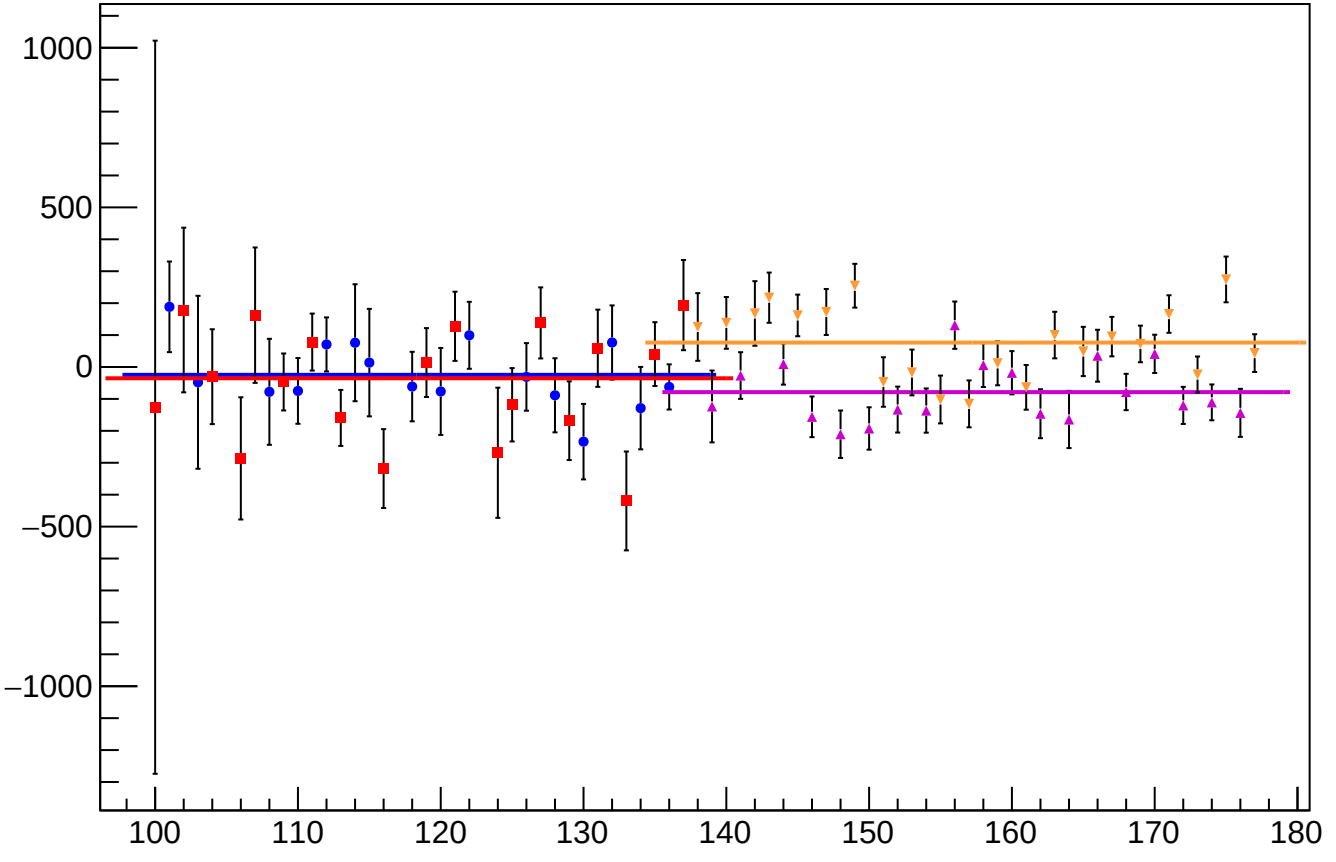
Left In: 549.064+/-0.102 χ^2/NDF:1806328.9/18

+ sign 609.904+/-0.094 χ^2/NDF: 4863105.0/36

All: 608.198+/-0.067 χ^2/NDF: 9812293.4/74

- sign 606.436+/-0.095 χ^2/NDF: 4948512.7/37

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 76.536+/-15.273 χ^2/NDF:50.4/20

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

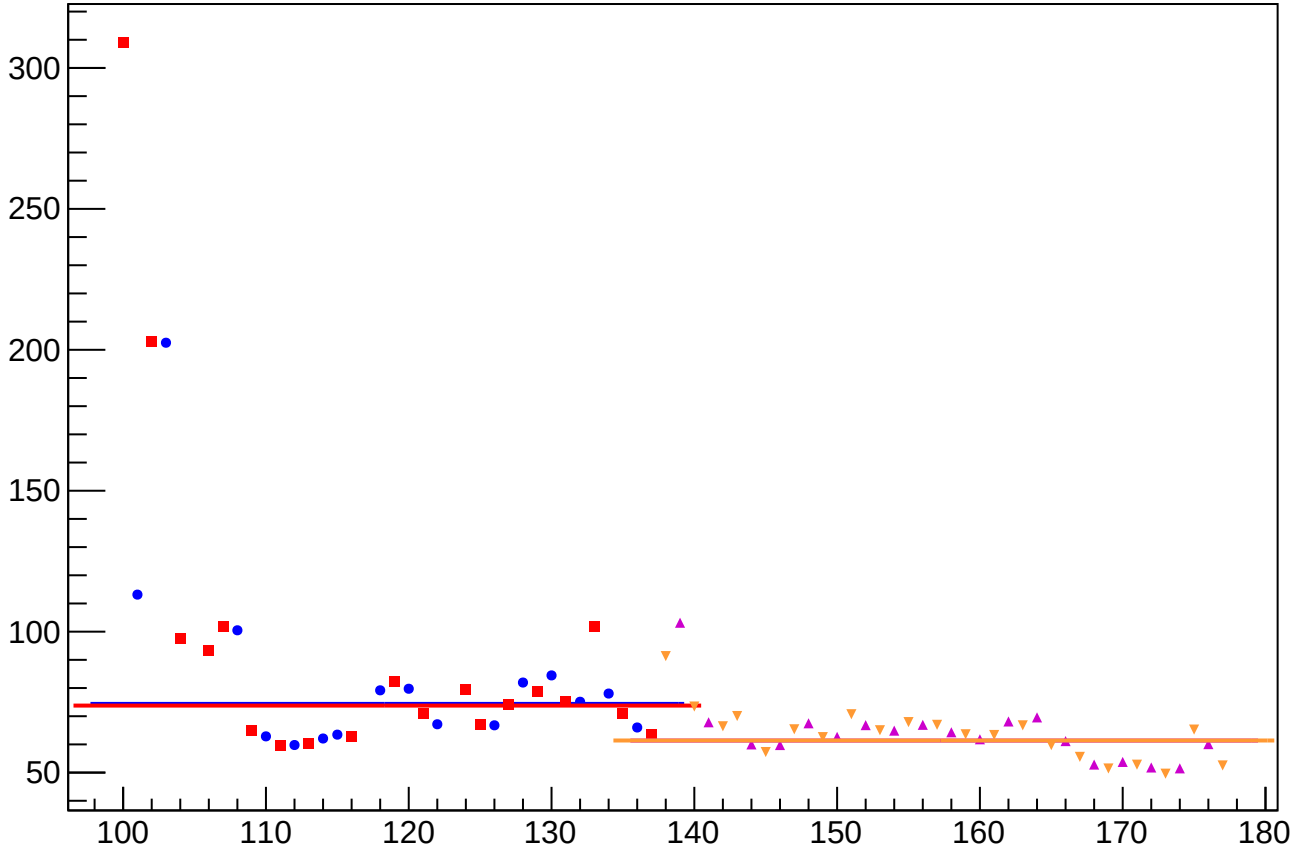
Left In: -78.741+/-15.815 χ^2/NDF:30.9/18

+ sign 54.462+/-13.505 χ^2/NDF: 71.0/36

All: -5.588+/-9.660 χ^2/NDF: 174.2/74

- sign -68.509+/-13.824 χ^2/NDF: 62.7/37

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.387+/-0.011 χ^2/NDF:581585.2/20

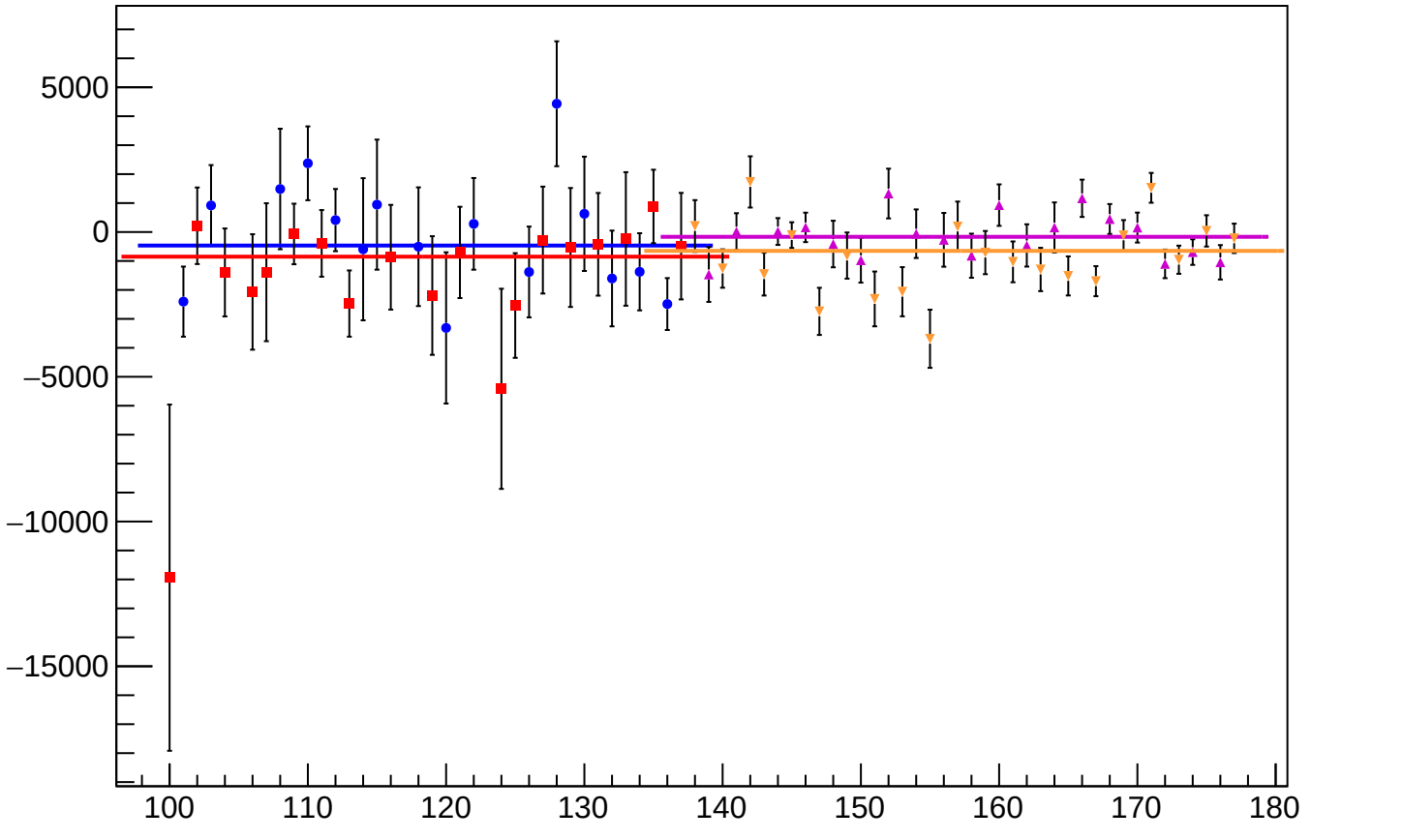
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

+ sign 64.219+/-0.010 χ^2/NDF: 1724418.9/36

All: 64.253+/-0.007 χ^2/NDF: 3509018.0/74

- sign 64.288+/-0.010 χ^2/NDF: 1784573.7/37



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -651.133+/-141.409 χ^2/NDF:62.7/20

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

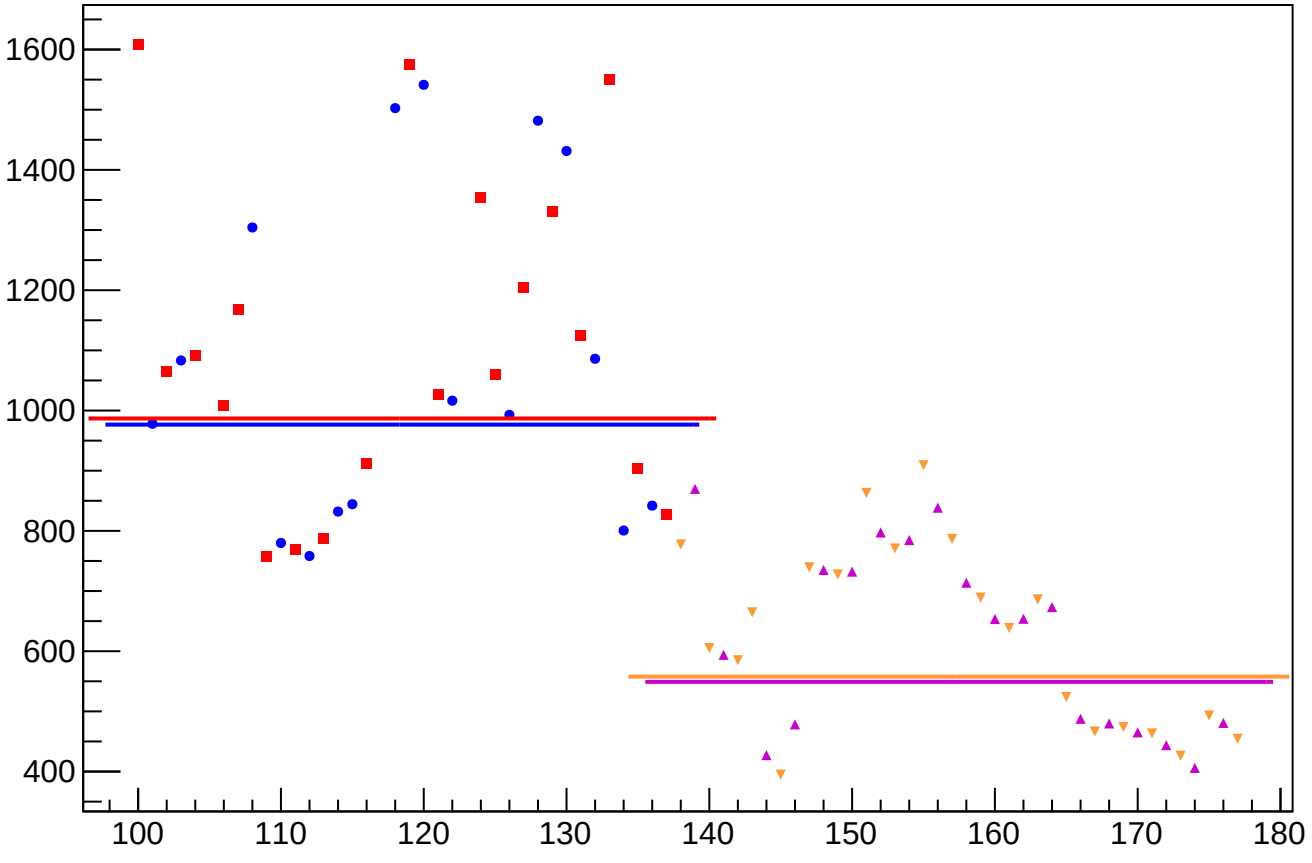
Left In: -165.380+/-144.197 χ^2/NDF:23.4/18

+ sign -628.152+/-132.316 χ^2/NDF: 86.6/36

All: -444.362+/-94.324 χ^2/NDF: 129.4/74

- sign -254.453+/-134.501 χ^2/NDF: 38.9/37

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 557.771+/-0.100 χ^2/NDF:1942757.9/20

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

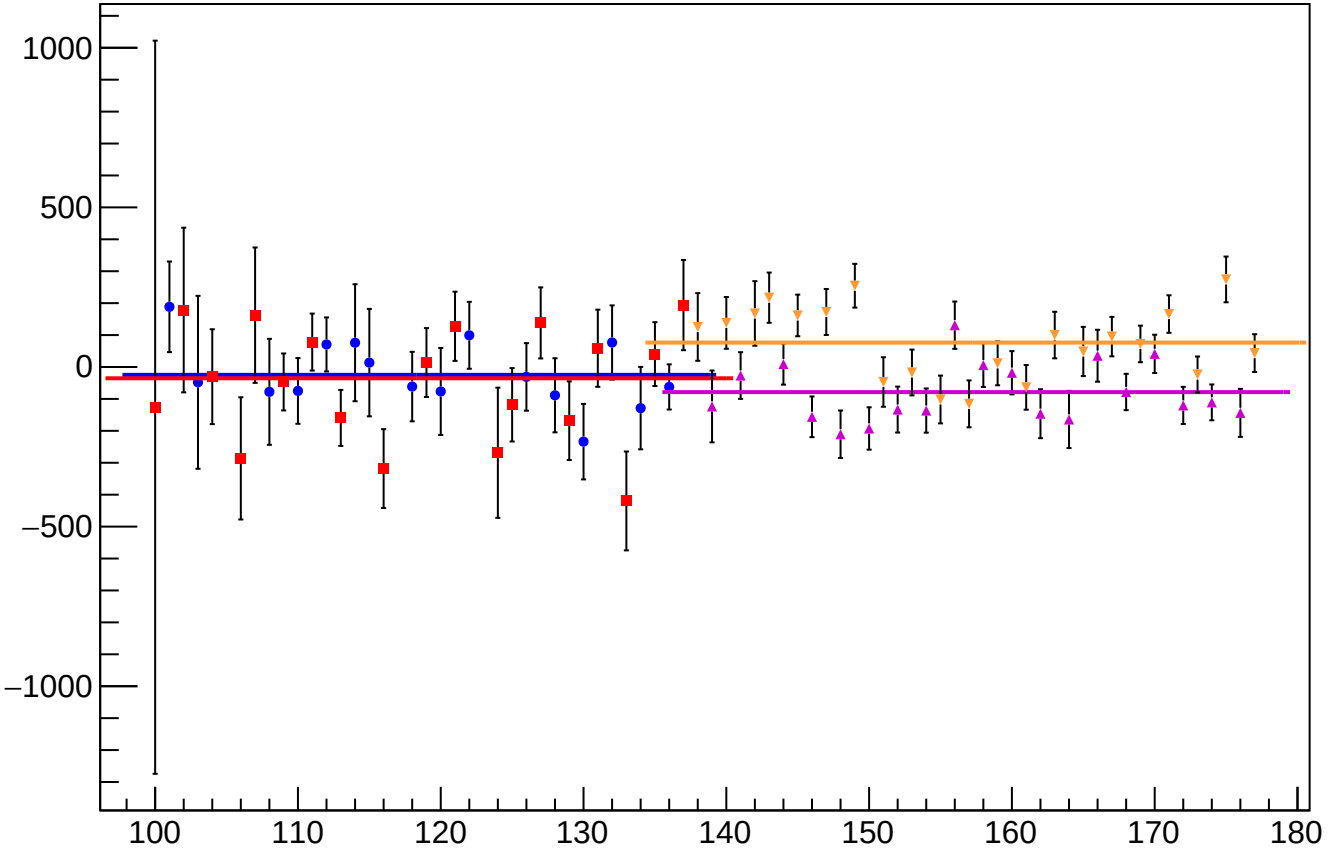
Left In: 549.064+/-0.102 χ^2/NDF:1806330.2/18

+ sign 609.904+/-0.094 χ^2/NDF: 4863168.5/36

All: 607.962+/-0.067 χ^2/NDF: 9779247.0/74

- sign 605.956+/-0.095 χ^2/NDF: 4915203.1/37

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 76.536+/-15.273 χ^2/NDF:50.4/20

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

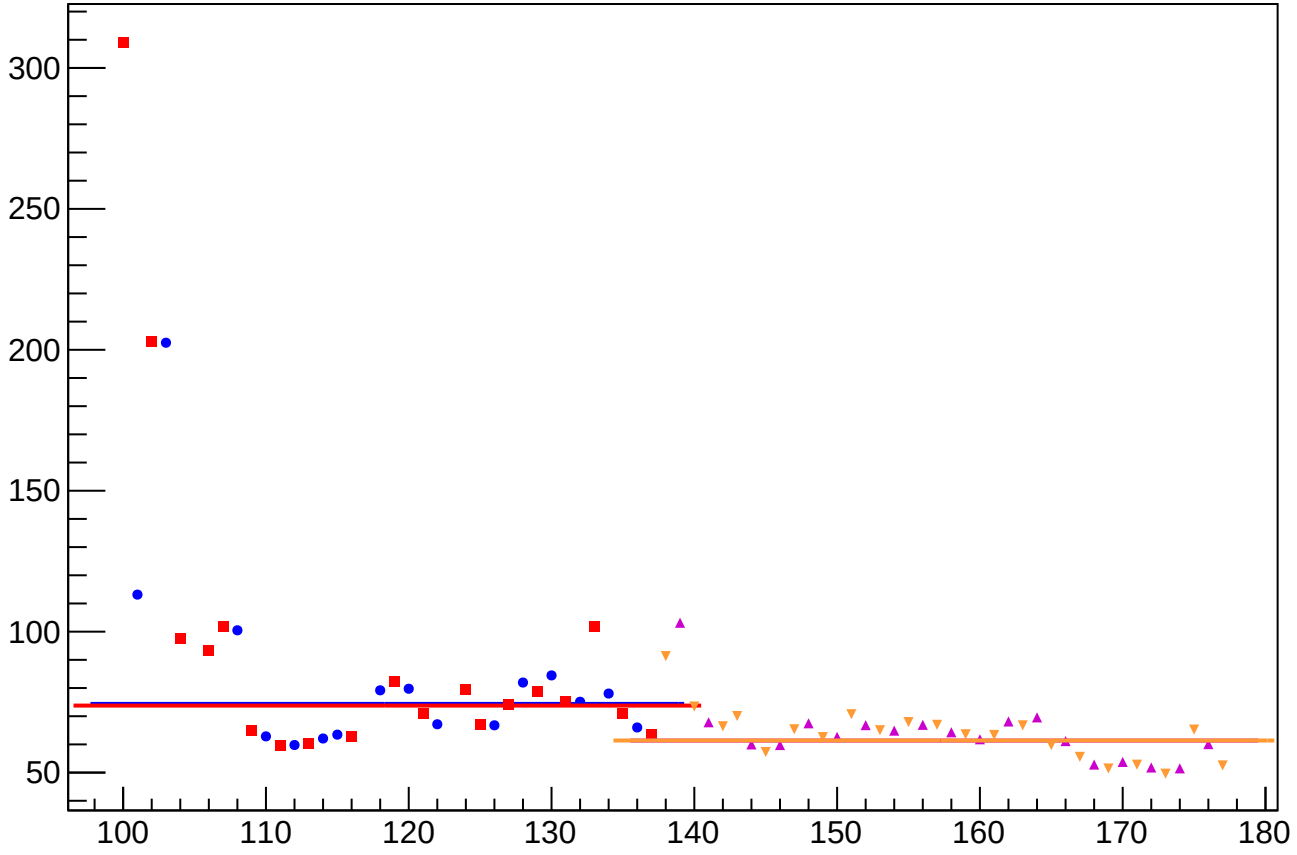
Left In: -78.741+/-15.815 χ^2/NDF:30.9/18

+ sign 54.462+/-13.505 χ^2/NDF: 71.0/36

All: -5.588+/-9.660 χ^2/NDF: 174.2/74

- sign -68.509+/-13.824 χ^2/NDF: 62.7/37

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.387+/-0.011 χ^2/NDF:581585.2/20

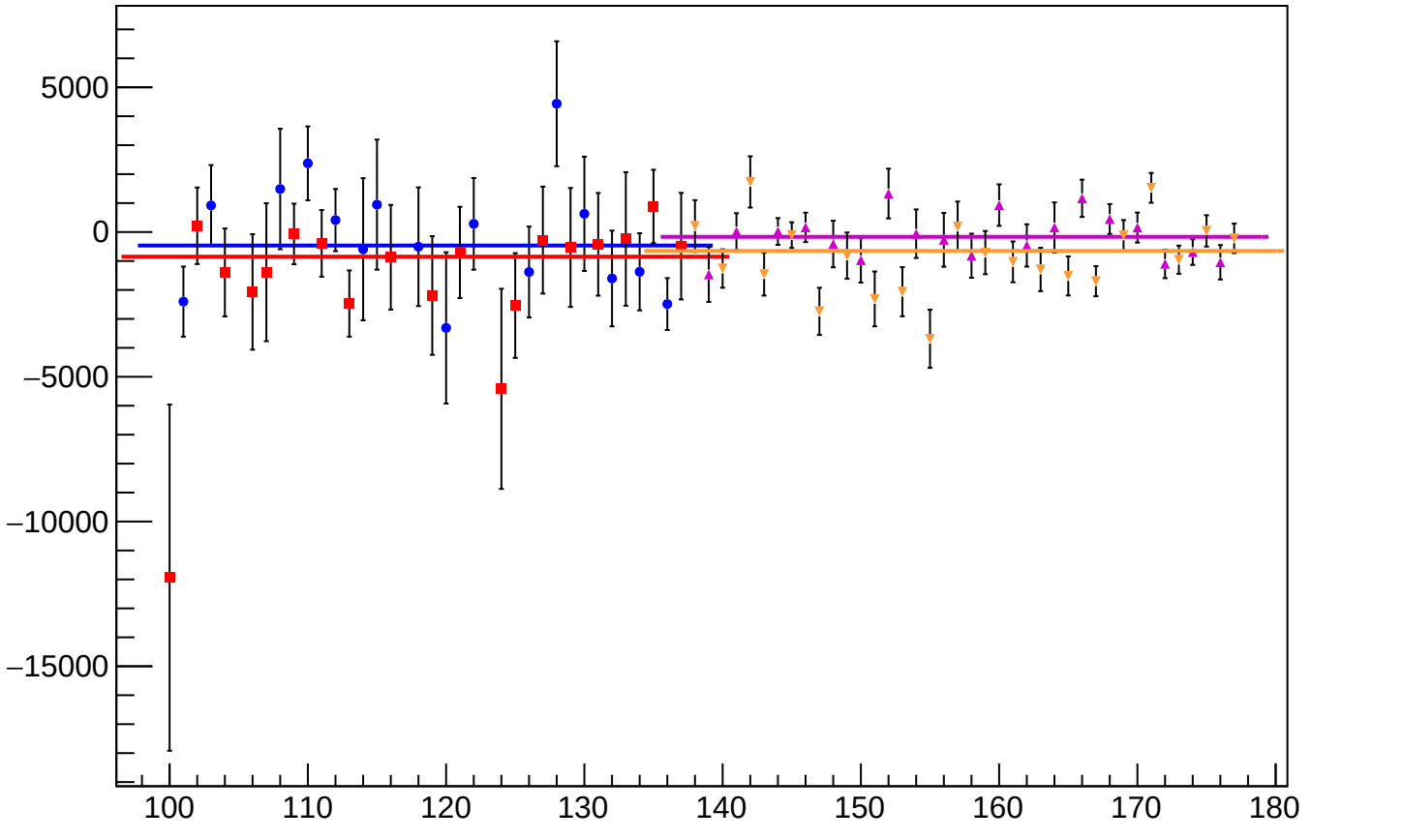
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

+ sign 64.219+/-0.010 χ^2/NDF: 1724418.9/36

All: 64.253+/-0.007 χ^2/NDF: 3509018.0/74

- sign 64.288+/-0.010 χ^2/NDF: 1784573.7/37



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -651.133+/-141.409 χ^2/NDF:62.7/20

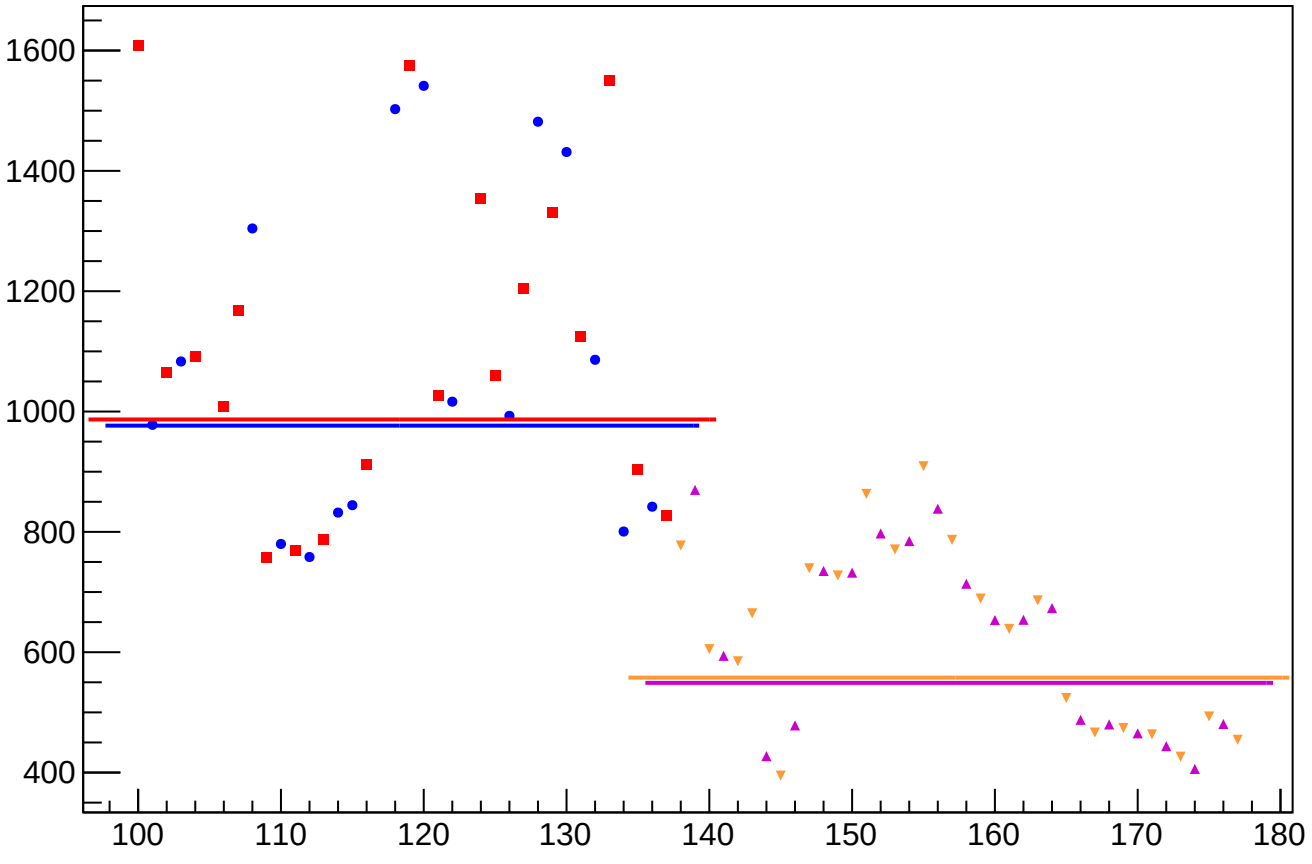
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -165.380+/-144.197 χ^2/NDF:23.4/18

+ sign -628.152+/-132.316 χ^2/NDF: 86.6/36

All: -444.362+/-94.324 χ^2/NDF: 129.4/74

- sign -254.453+/-134.501 χ^2/NDF: 38.9/37



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 557.771+/-0.100 χ^2/NDF:1942757.9/20

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

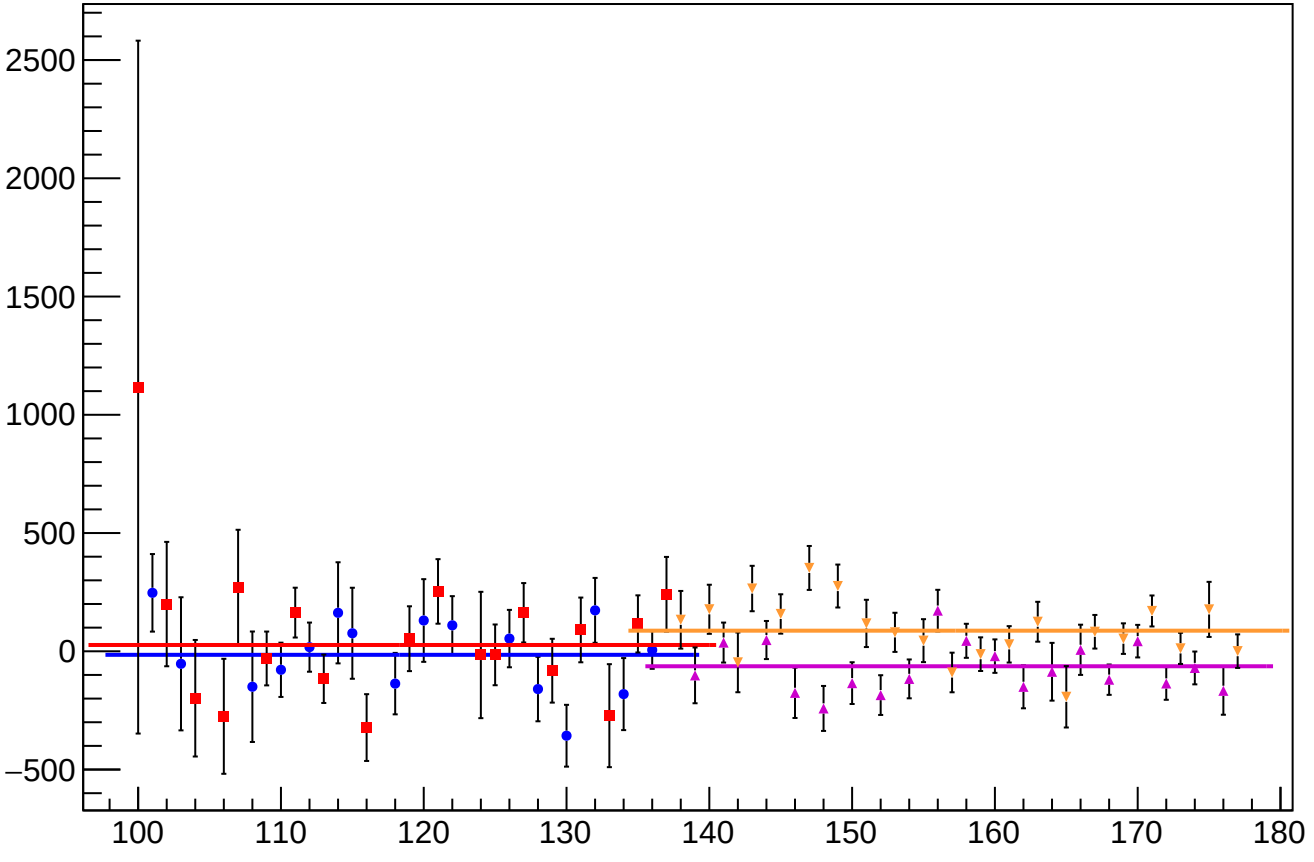
Left In: 549.064+/-0.102 χ^2/NDF:1806330.2/18

+ sign 609.904+/-0.094 χ^2/NDF: 4863168.5/36

All: 607.962+/-0.067 χ^2/NDF: 9779247.0/74

- sign 605.956+/-0.095 χ^2/NDF: 4915203.1/37

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 87.168+/-18.373 χ^2/NDF:36.1/20

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

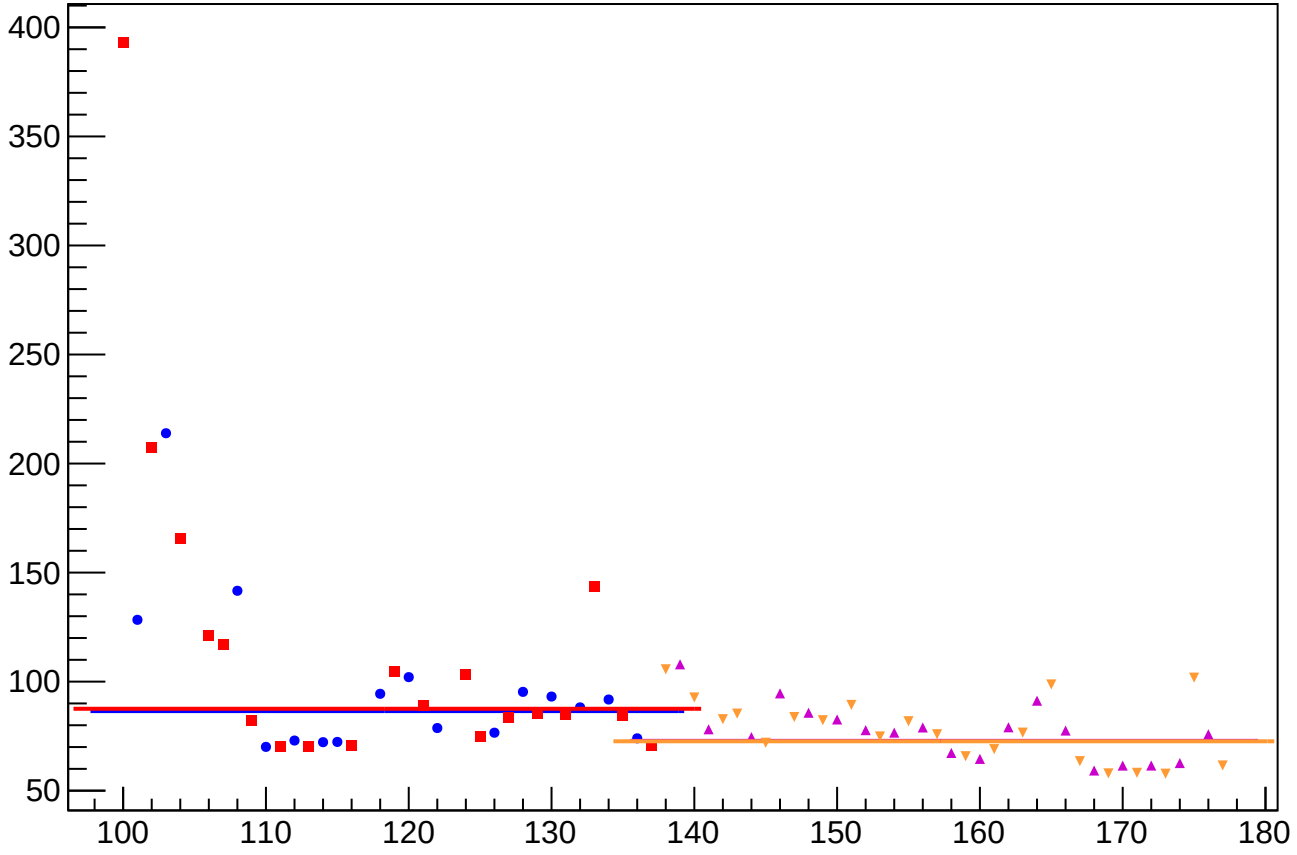
Left In: -63.298+/-19.067 χ^2/NDF:27.7/18

+ sign 63.834+/-16.138 χ^2/NDF: 61.4/36

All: 12.609+/-11.584 χ^2/NDF: 138.8/74

- sign -41.846+/-16.639 χ^2/NDF: 56.6/37

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 72.646+/-0.013 χ^2/NDF:1019498.6/20

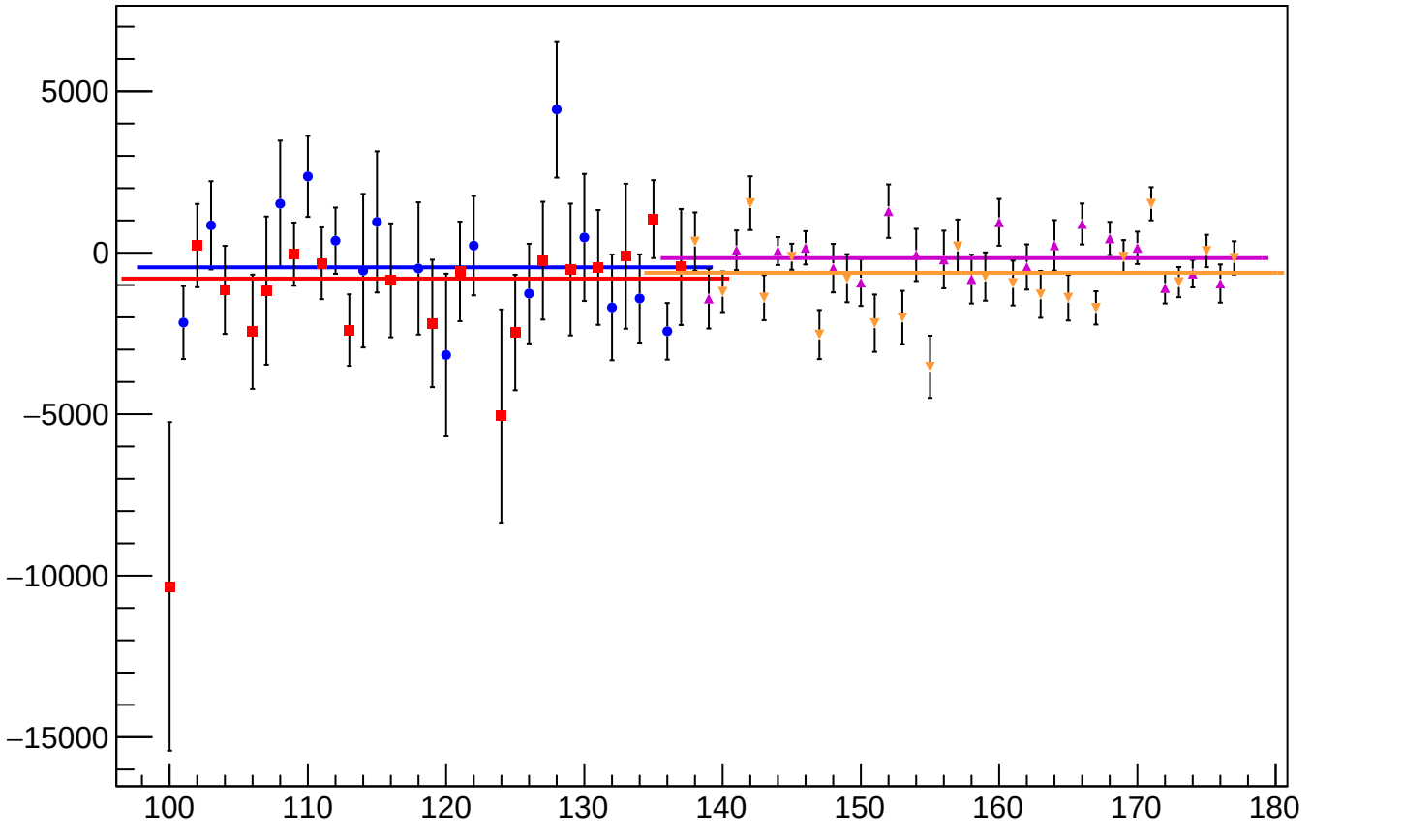
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 72.841+/-0.013 χ^2/NDF:692808.8/18

+ sign 75.809+/-0.011 χ^2/NDF: 2135189.7/36

All: 76.071+/-0.008 χ^2/NDF: 4242905.3/74

- sign 76.350+/-0.012 χ^2/NDF: 2106627.1/37



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -621.111+/-136.602 χ^2/NDF:61.8/20

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

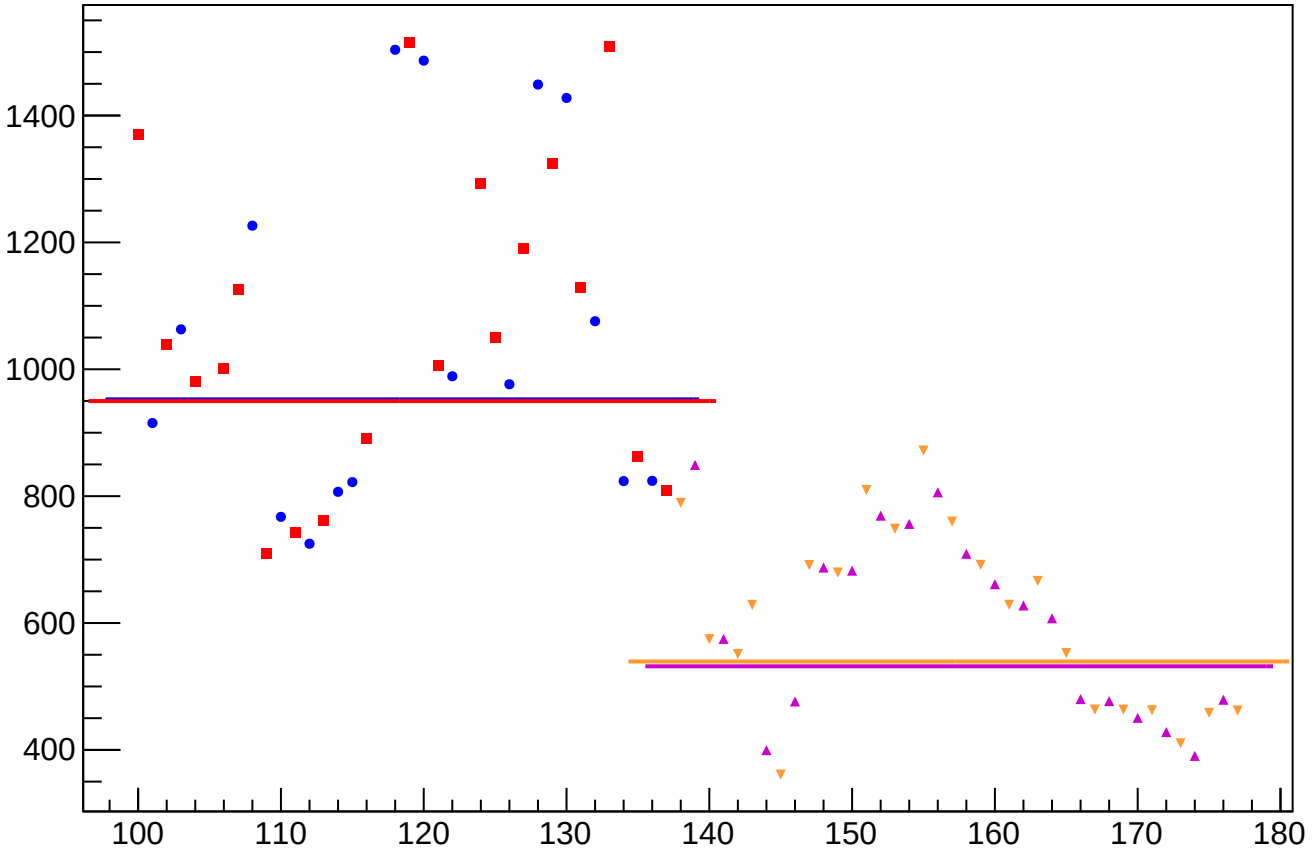
Left In: -166.373+/-139.706 χ^2/NDF:21.9/18

+ sign -600.319+/-127.962 χ^2/NDF: 85.8/36

All: -428.277+/-91.243 χ^2/NDF: 127.7/74

- sign -250.328+/-130.141 χ^2/NDF: 38.3/37

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 539.394+/-0.097 χ^2/NDF:1986472.4/20

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

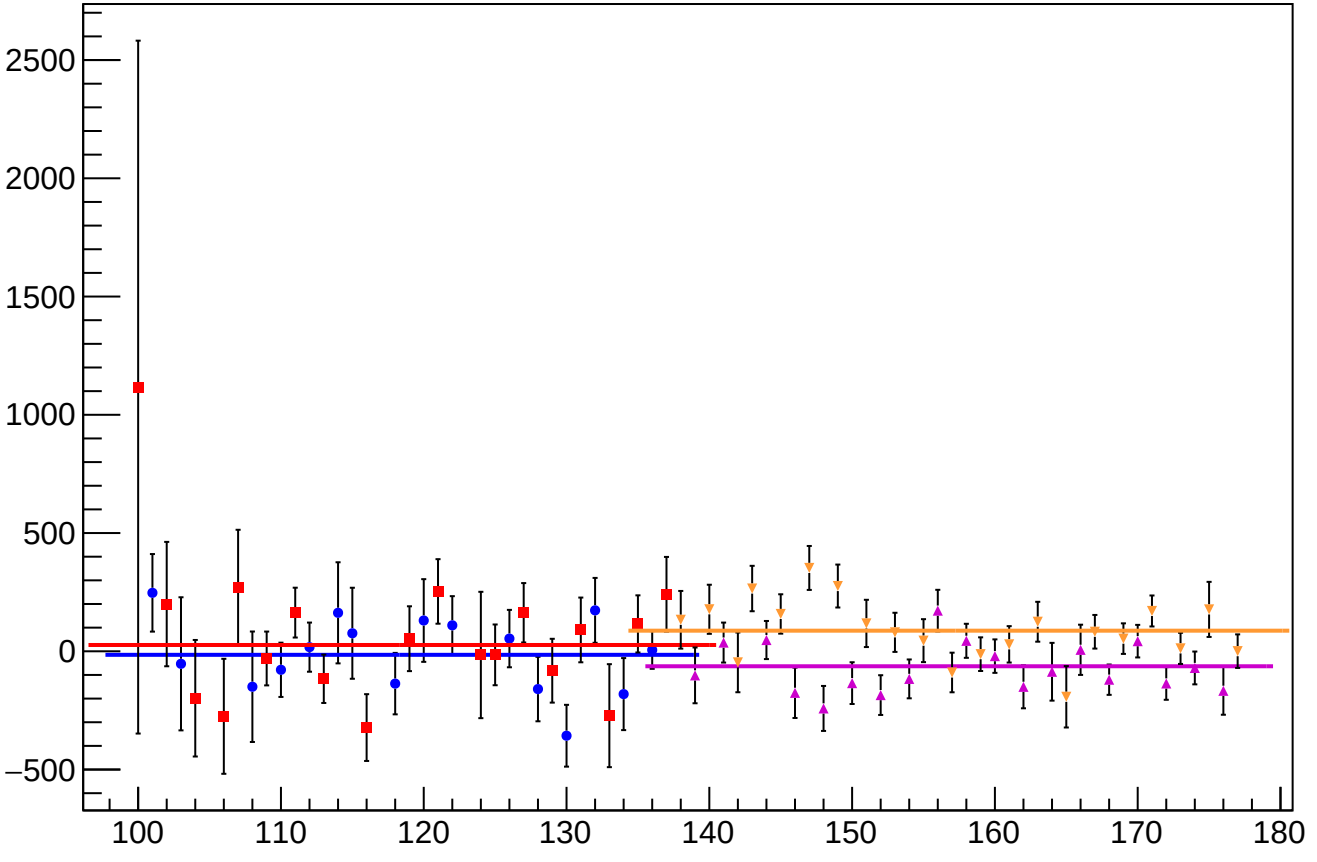
Left In: 531.767+/-0.099 χ^2/NDF:1785619.5/18

+ sign 590.006+/-0.090 χ^2/NDF: 4974028.5/36

All: 588.559+/-0.065 χ^2/NDF: 9881013.2/74

- sign 587.063+/-0.092 χ^2/NDF: 4906464.7/37

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 87.168+/-18.373 χ^2/NDF:36.1/20

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

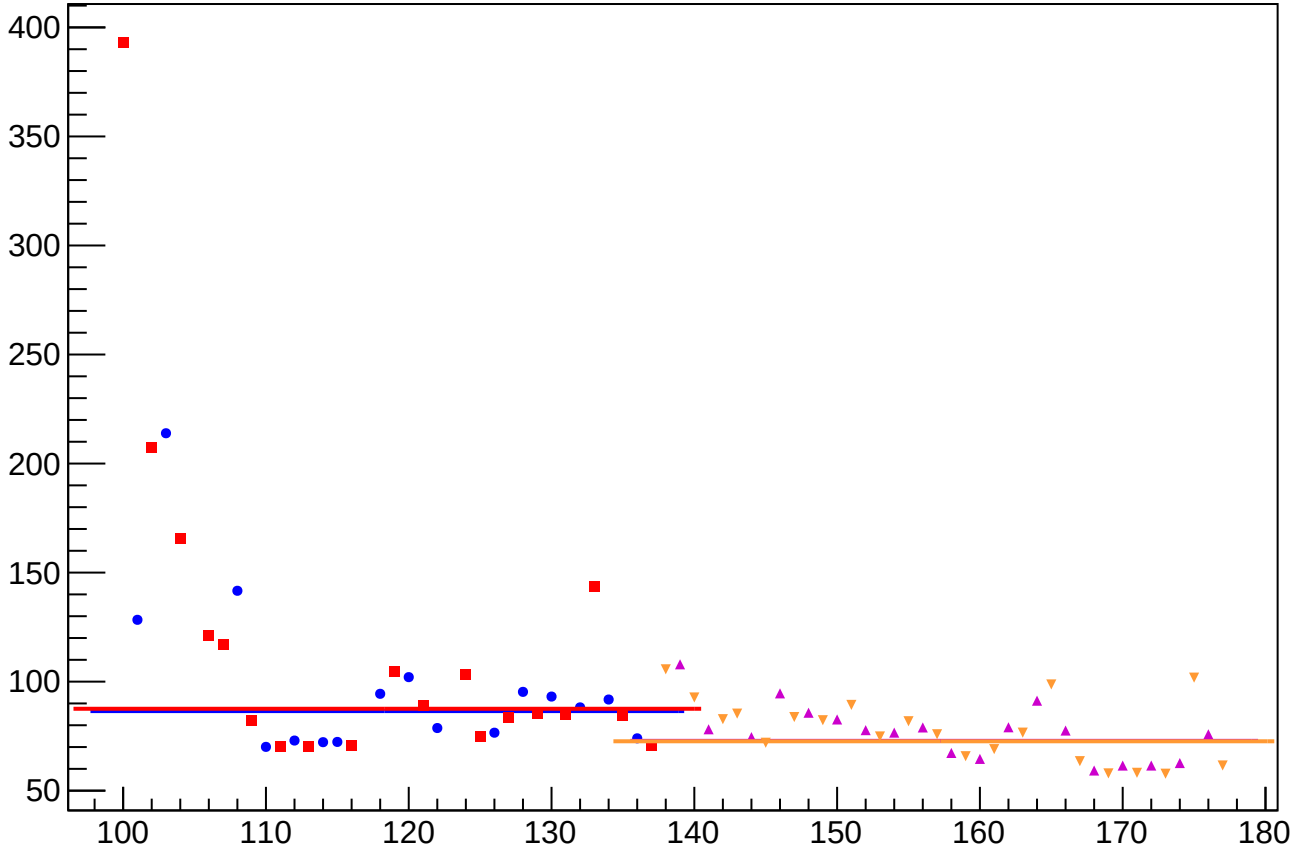
Left In: -63.297+/-19.068 χ^2/NDF:27.7/18

+ sign 63.834+/-16.138 χ^2/NDF: 61.4/36

All: 12.610+/-11.585 χ^2/NDF: 138.8/74

- sign -41.845+/-16.639 χ^2/NDF: 56.6/37

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 72.646+/-0.013 χ^2/NDF:1019505.3/20

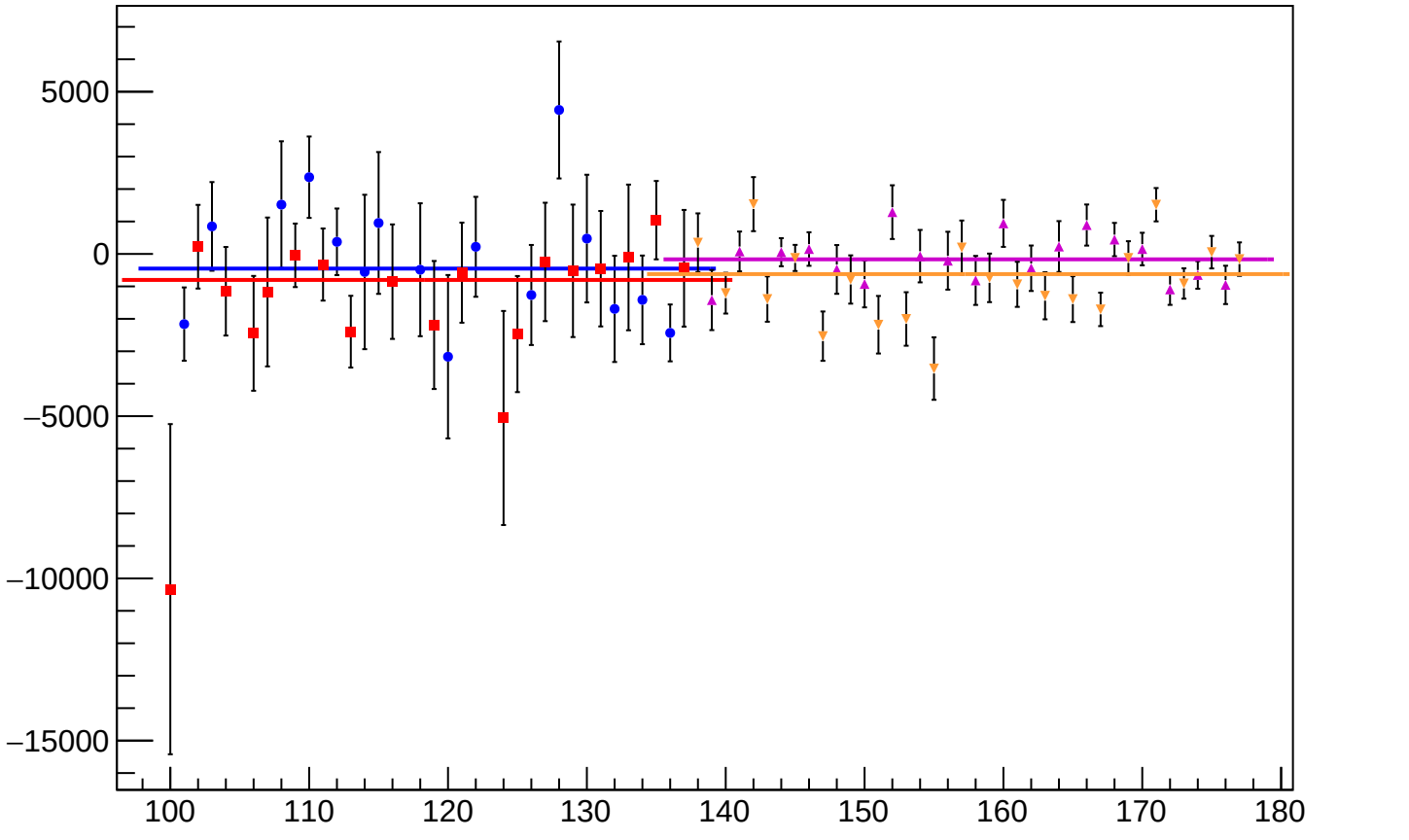
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 72.841+/-0.013 χ^2/NDF:692814.5/18

+ sign 75.809+/-0.011 χ^2/NDF: 2135190.5/36

All: 76.071+/-0.008 χ^2/NDF: 4242915.9/74

- sign 76.350+/-0.012 χ^2/NDF: 2106636.8/37



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -621.112+/-136.602 χ^2/NDF:61.8/20

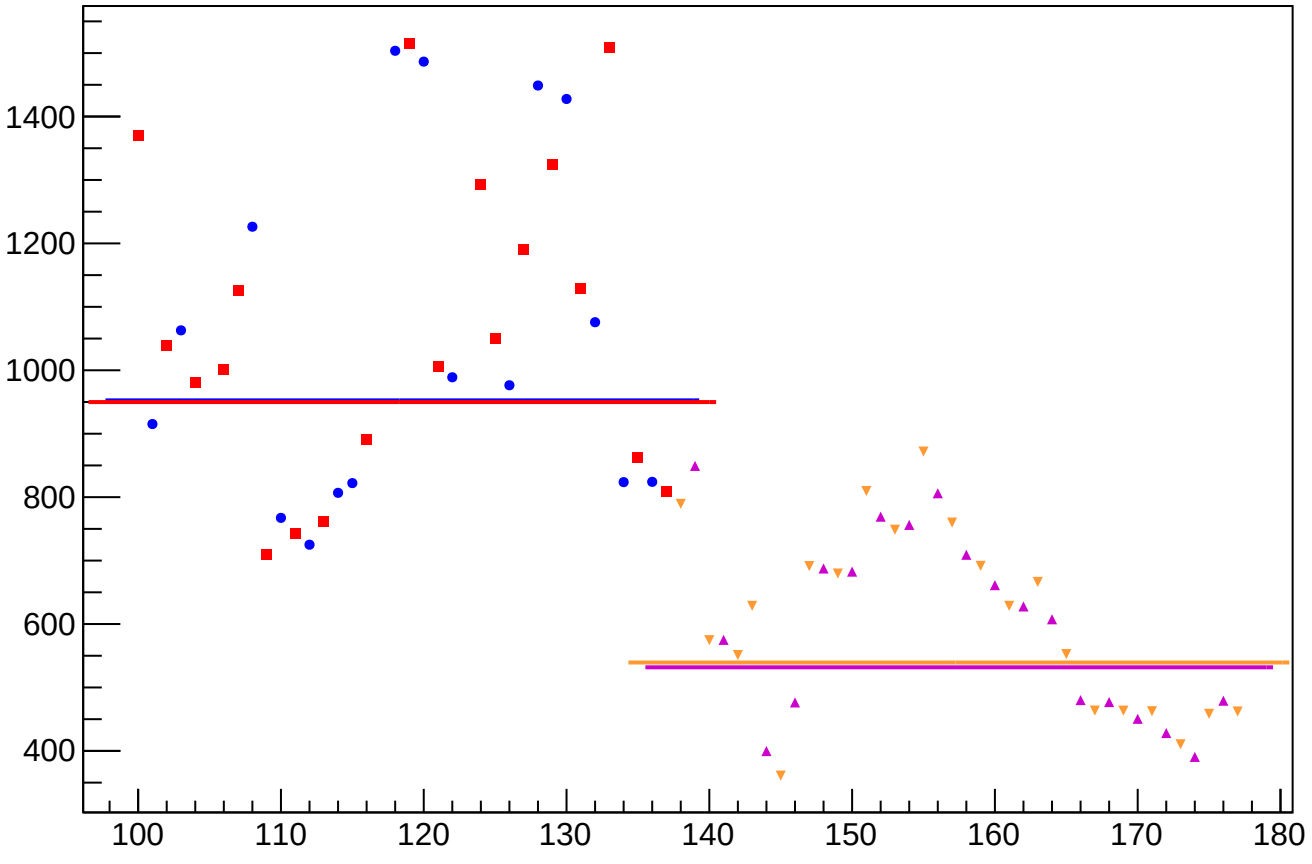
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -166.372+/-139.706 χ^2/NDF:21.9/18

+ sign -600.320+/-127.962 χ^2/NDF: 85.8/36

All: -428.277+/-91.243 χ^2/NDF: 127.7/74

- sign -250.327+/-130.141 χ^2/NDF: 38.3/37



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 539.393+/-0.097 χ^2/NDF:1986467.8/20

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

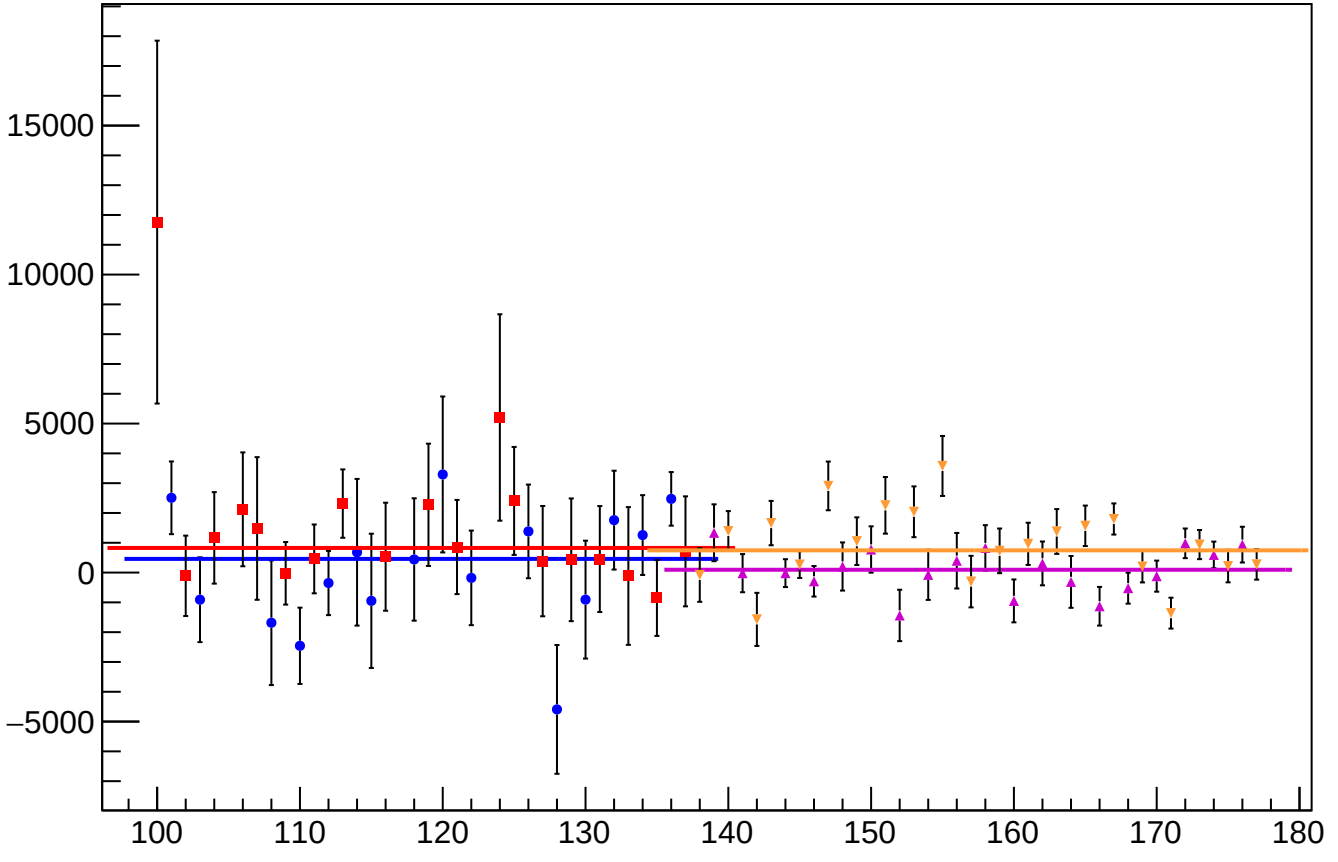
Left In: 531.767+/-0.099 χ^2/NDF:1785613.7/18

+ sign 590.005+/-0.090 χ^2/NDF: 4974018.4/36

All: 588.559+/-0.065 χ^2/NDF: 9880987.1/74

- sign 587.063+/-0.092 χ^2/NDF: 4906448.8/37

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 745.800+/-142.345 χ^2/NDF:58.4/20

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

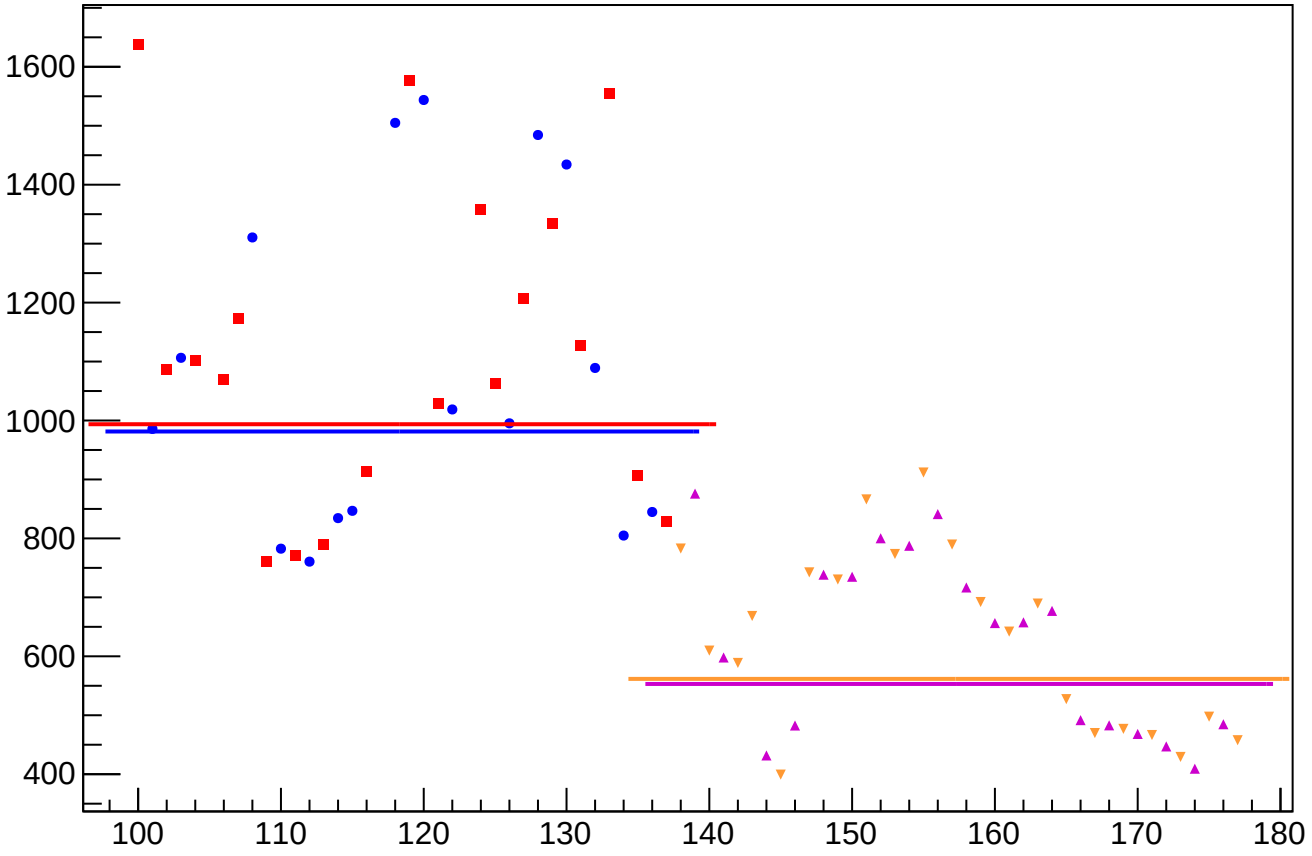
Left In: 94.514+/-145.191 χ^2/NDF:21.3/18

+ sign 710.011+/-133.163 χ^2/NDF: 83.5/36

All: 454.398+/-94.928 χ^2/NDF: 127.3/74

- sign 190.277+/-135.361 χ^2/NDF: 36.3/37

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 561.682+/-0.101 χ^2/NDF:1917687.7/20

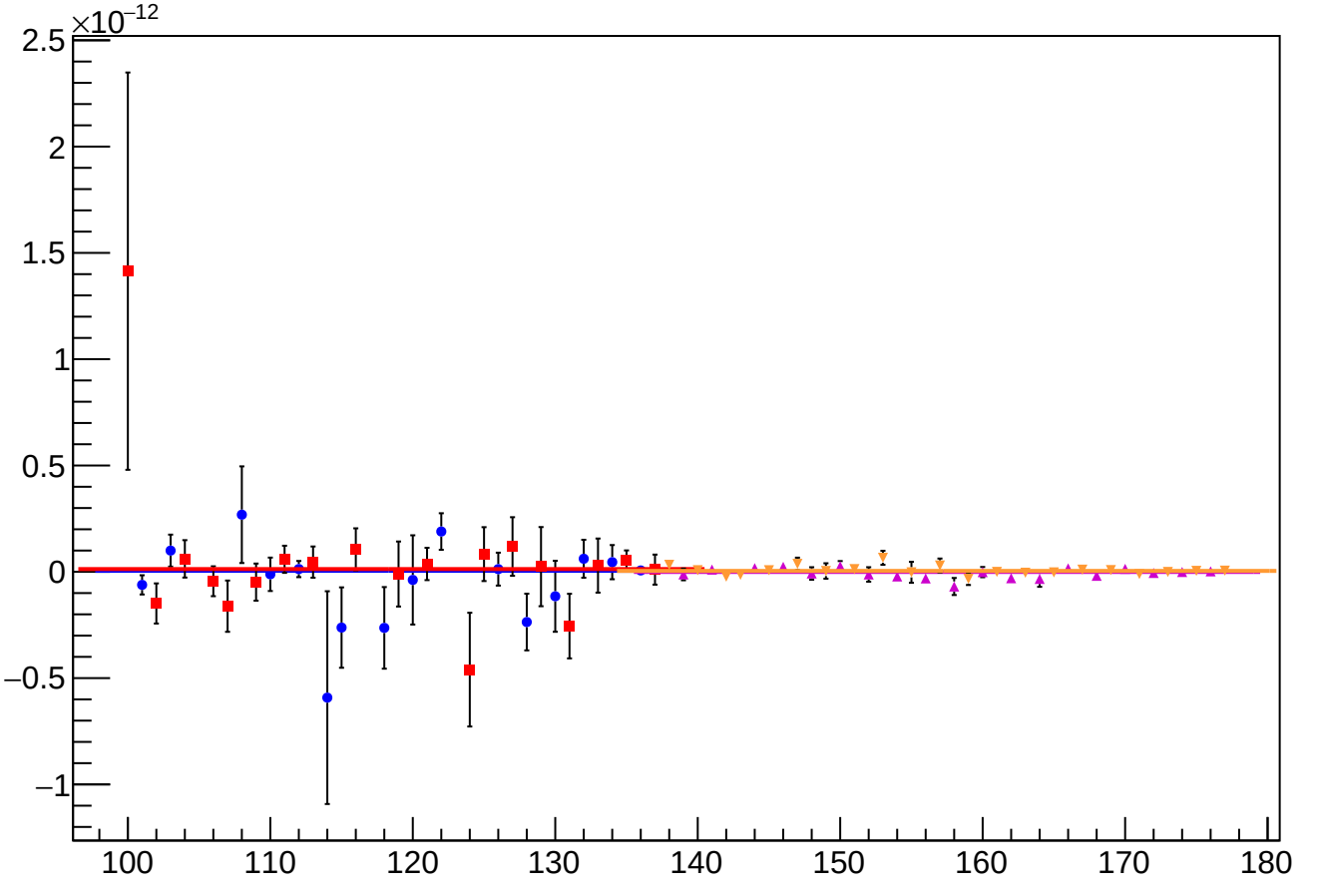
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 553.081+/-0.103 χ^2/NDF:1782713.2/18

+ sign 614.076+/-0.094 χ^2/NDF: 4825682.2/36

All: 612.426+/-0.067 χ^2/NDF: 9738313.0/74

- sign 610.721+/-0.096 χ^2/NDF: 4912006.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/20

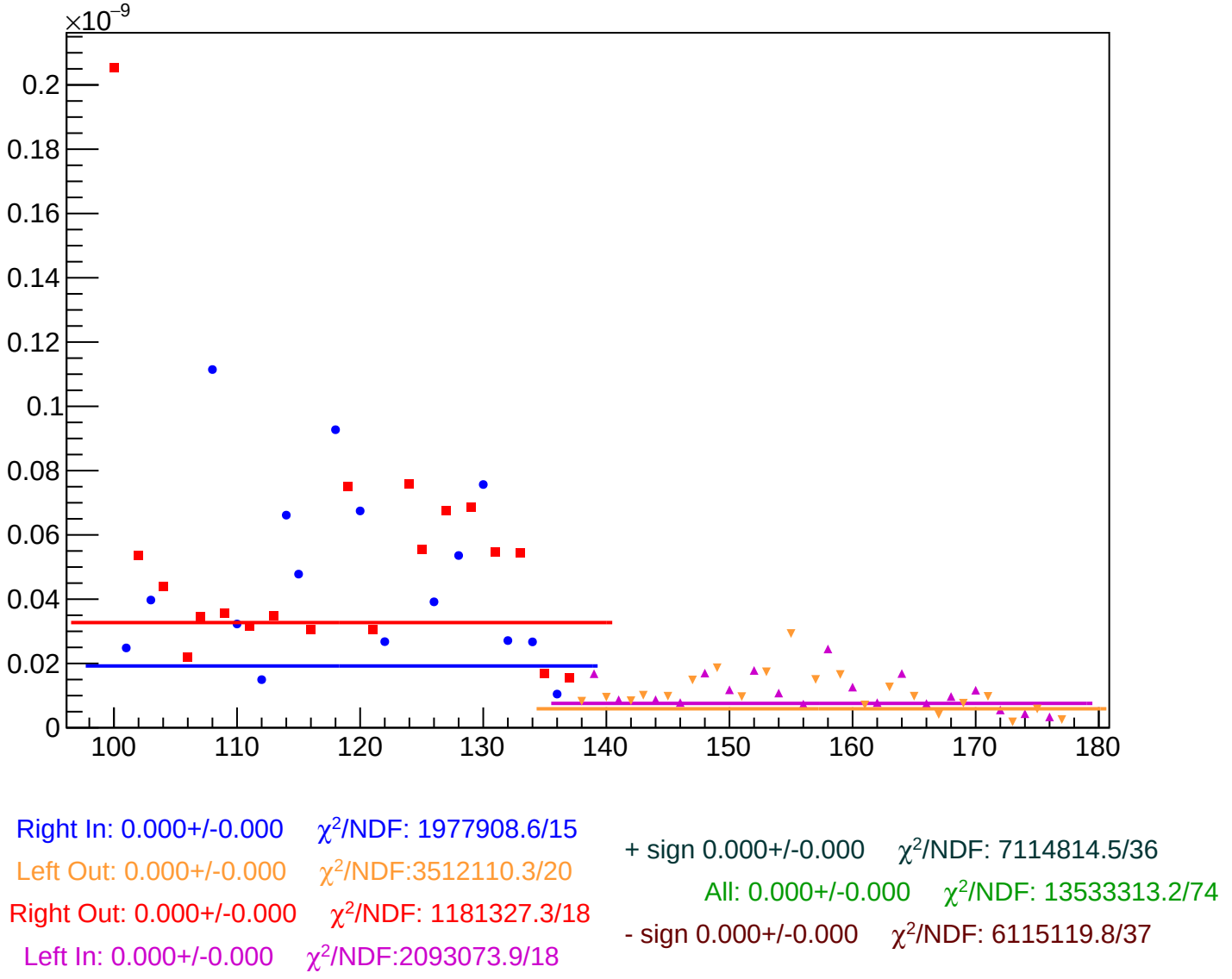
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/18

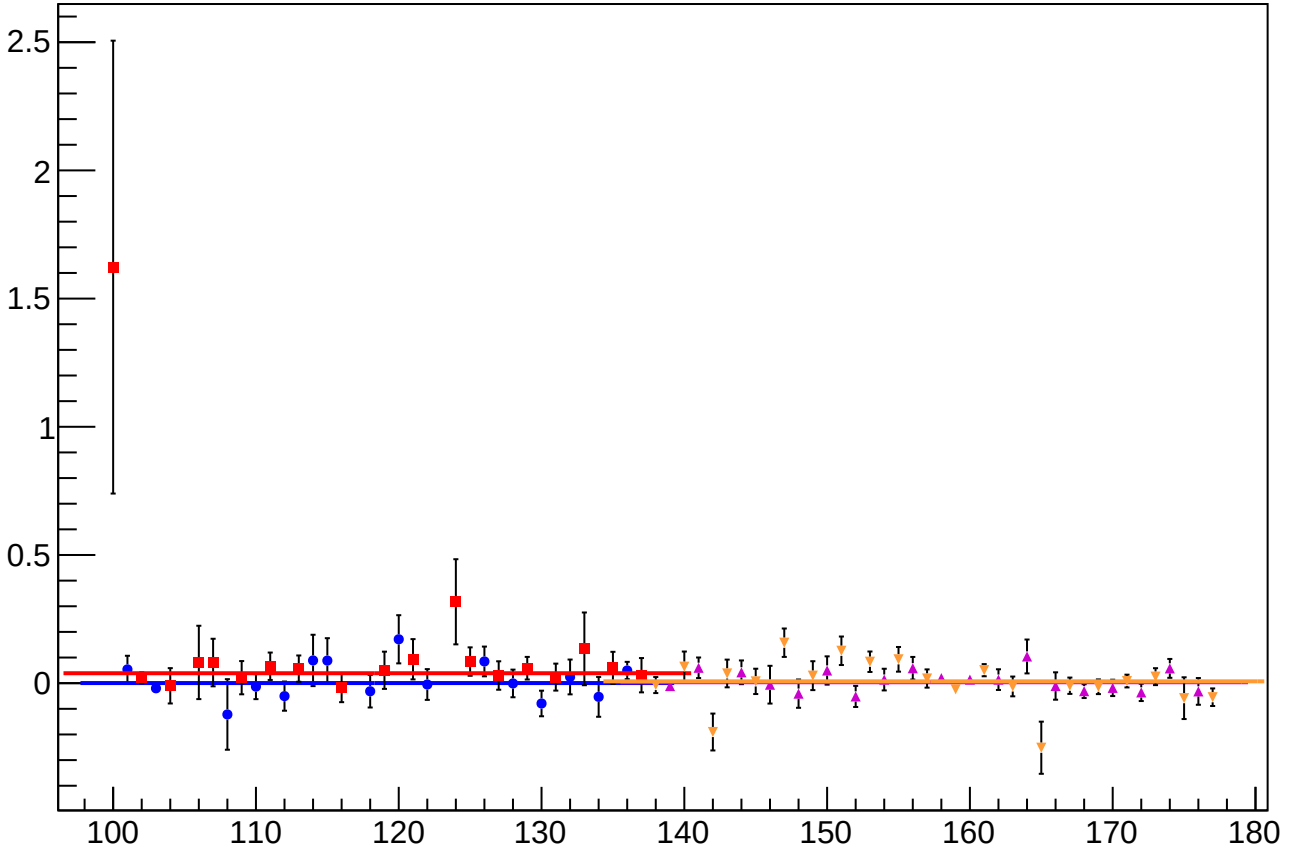
+ sign 0.000+/-0.000 χ^2/NDF: 34.0/36

All: 0.000+/-0.000 χ^2/NDF: 72.0/74

- sign -0.000+/-0.000 χ^2/NDF: 37.2/37


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3512110.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:2093073.9/18
+ sign 0.000+/-0.000 χ²/NDF: 7114814.5/36
All: 0.000+/-0.000 χ²/NDF: 13533313.2/74
- sign 0.000+/-0.000 χ²/NDF: 6115119.8/37

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:46.8/20

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

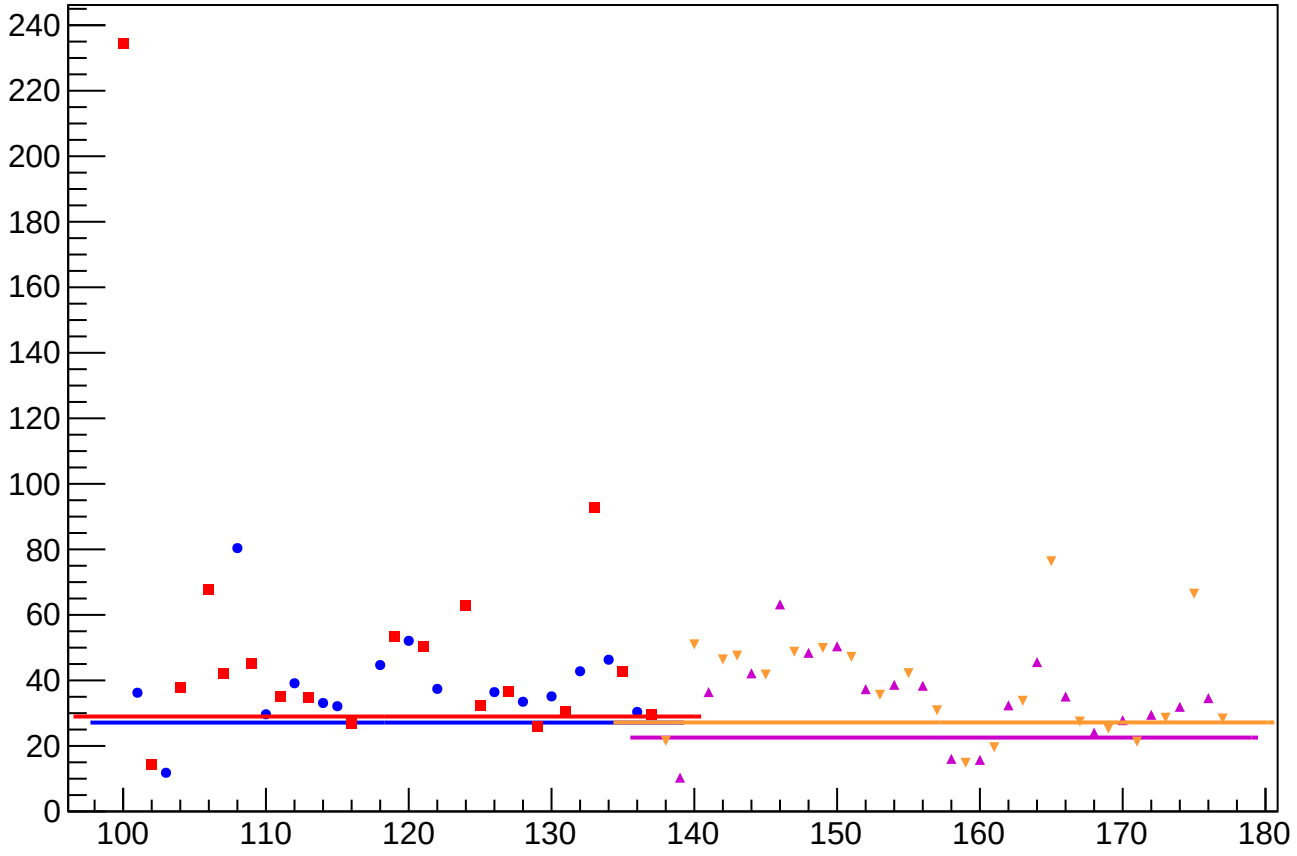
Left In: 0.004+/-0.007 χ^2/NDF:18.4/18

+ sign 0.005+/-0.006 χ^2/NDF: 63.5/36

All: 0.009+/-0.004 χ^2/NDF: 99.5/74

- sign 0.012+/-0.006 χ^2/NDF: 35.4/37

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: 27.173+/-0.005 χ^2/NDF:4630758.2/20

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

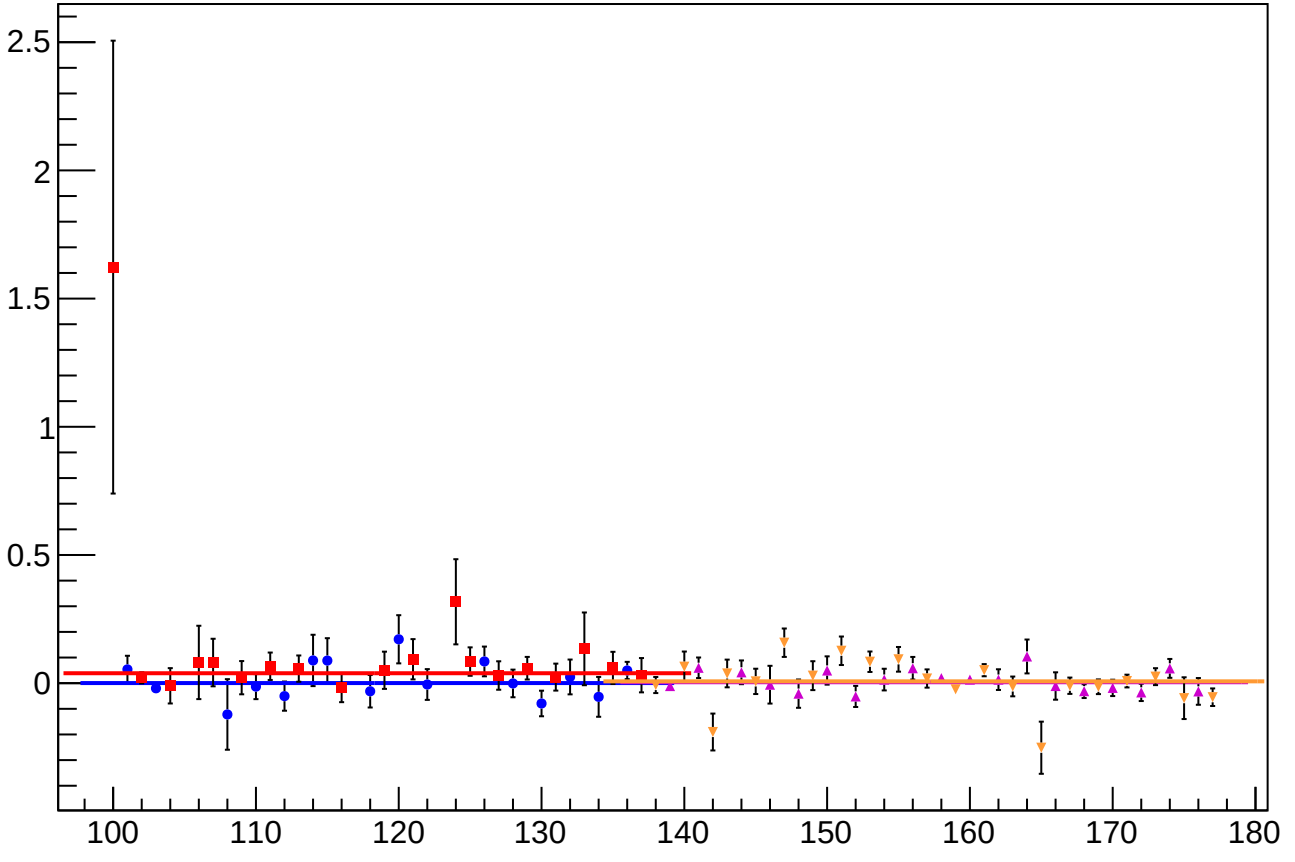
Left In: 22.549+/-0.005 χ^2/NDF:6036062.5/18

+ sign 27.160+/-0.005 χ^2/NDF: 7046094.3/36

All: 25.494+/-0.003 χ^2/NDF: 16187020.2/74

- sign 24.028+/-0.004 χ^2/NDF: 8890978.2/37

asym_sam_37_avg_dit_vs_eigen_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:46.8/20

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

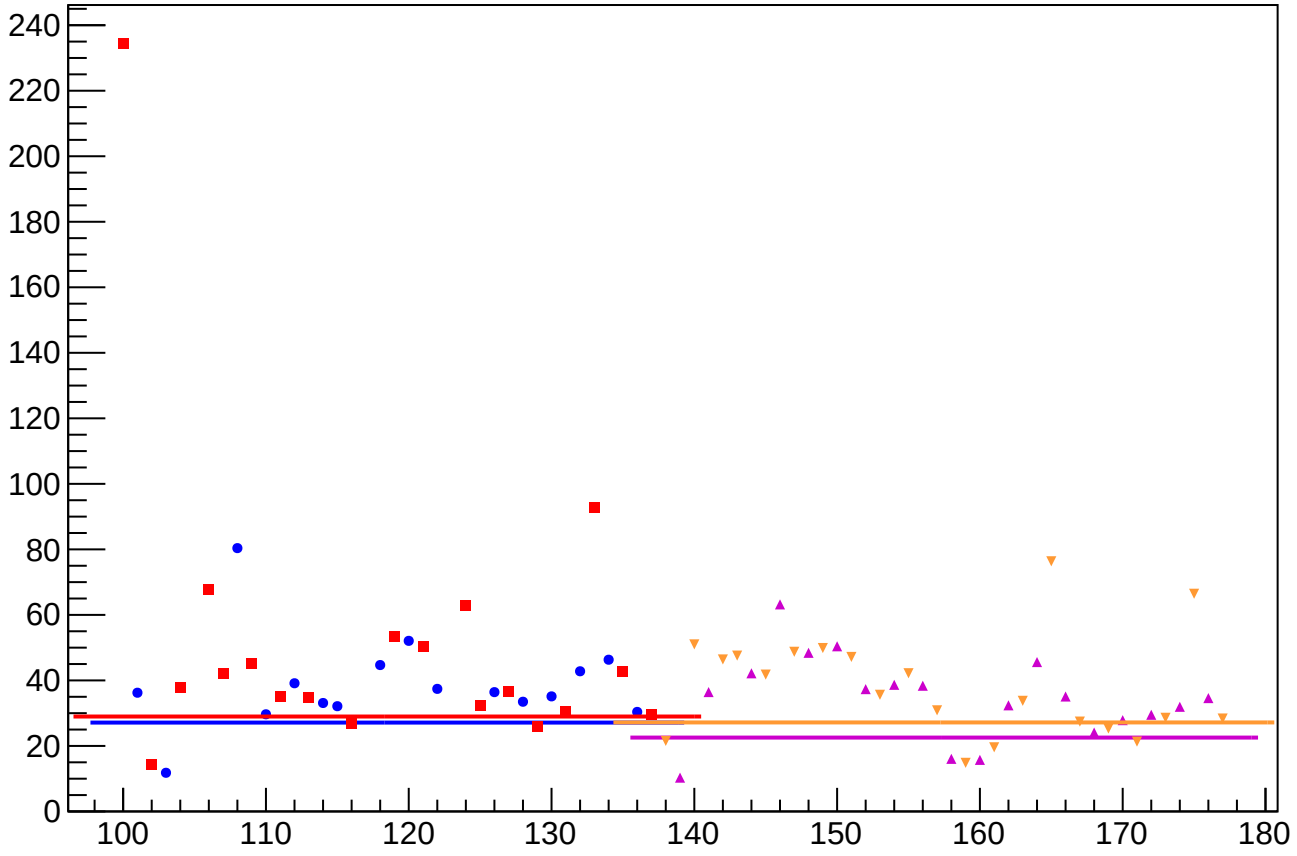
Left In: 0.004+/-0.007 χ^2/NDF:18.4/18

+ sign 0.005+/-0.006 χ^2/NDF: 63.5/36

All: 0.009+/-0.004 χ^2/NDF: 99.5/74

- sign 0.012+/-0.006 χ^2/NDF: 35.4/37

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: 27.173+/-0.005 χ^2/NDF:4630758.2/20

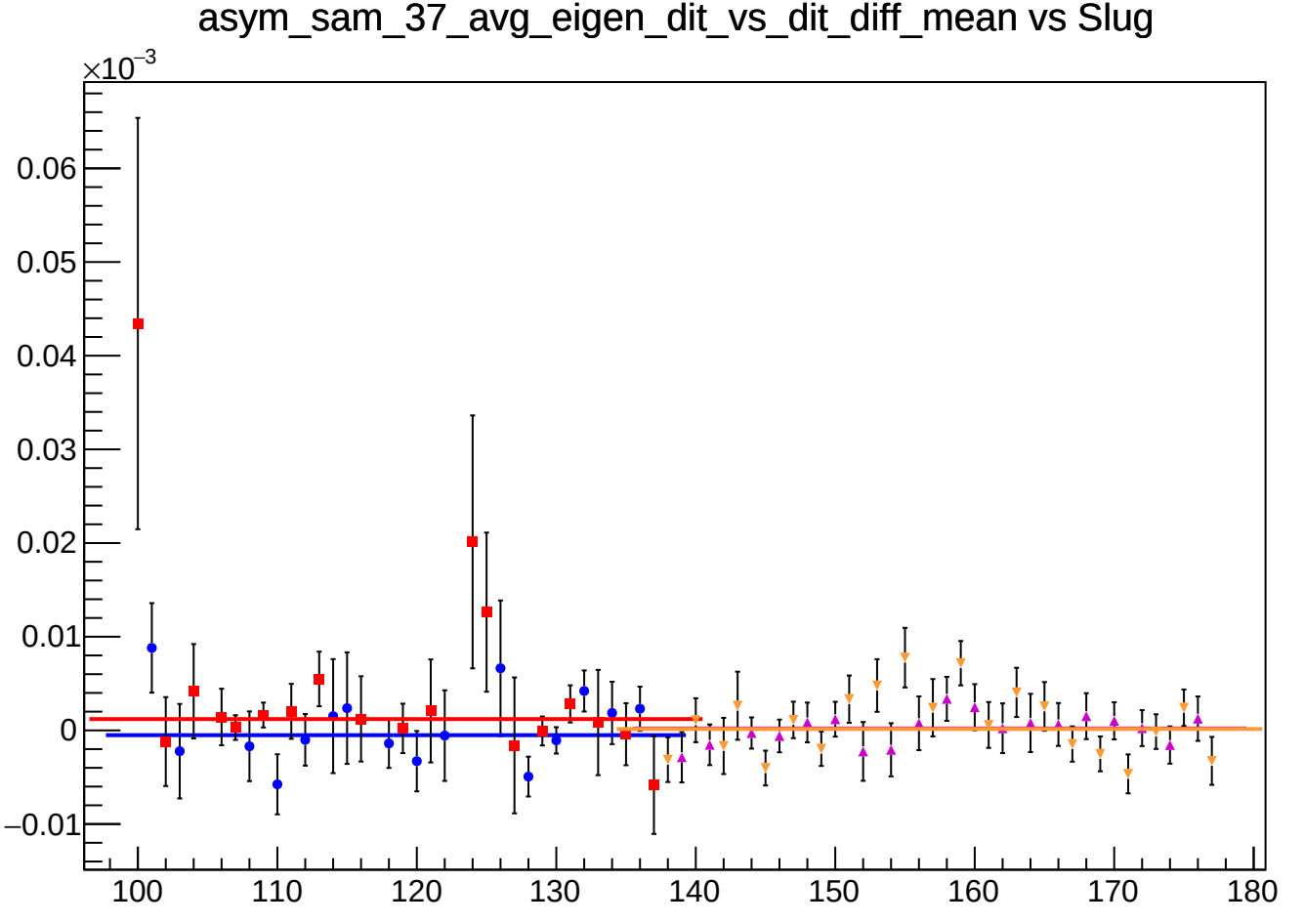
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.549+/-0.005 χ^2/NDF:6036062.5/18

+ sign 27.160+/-0.005 χ^2/NDF: 7046094.3/36

All: 25.494+/-0.003 χ^2/NDF: 16187020.2/74

- sign 24.028+/-0.004 χ^2/NDF: 8890978.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.2/20

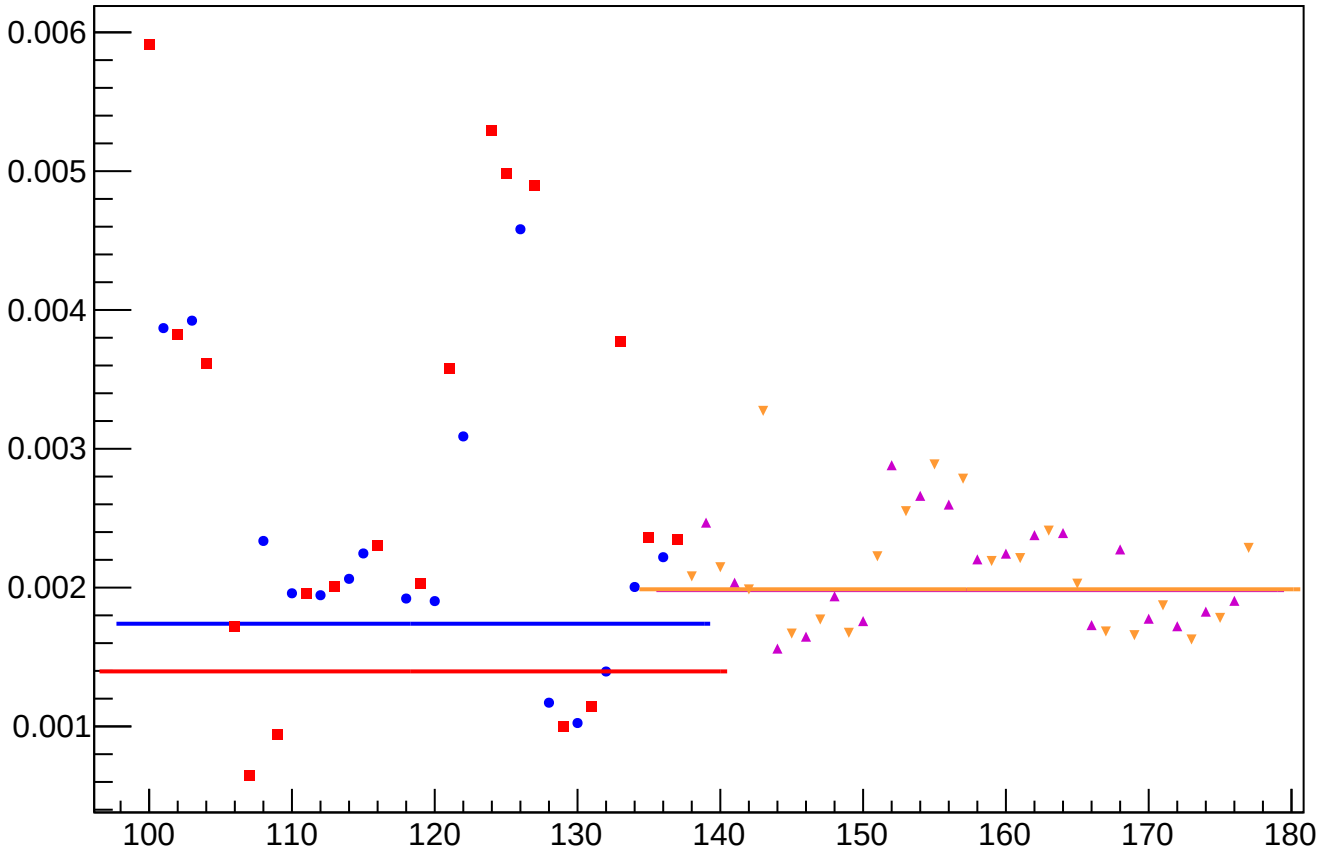
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/18

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/36

All: 0.000+/-0.000 χ^2/NDF: 89.5/74

- sign 0.000+/-0.000 χ^2/NDF: 24.3/37



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1129804.2/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

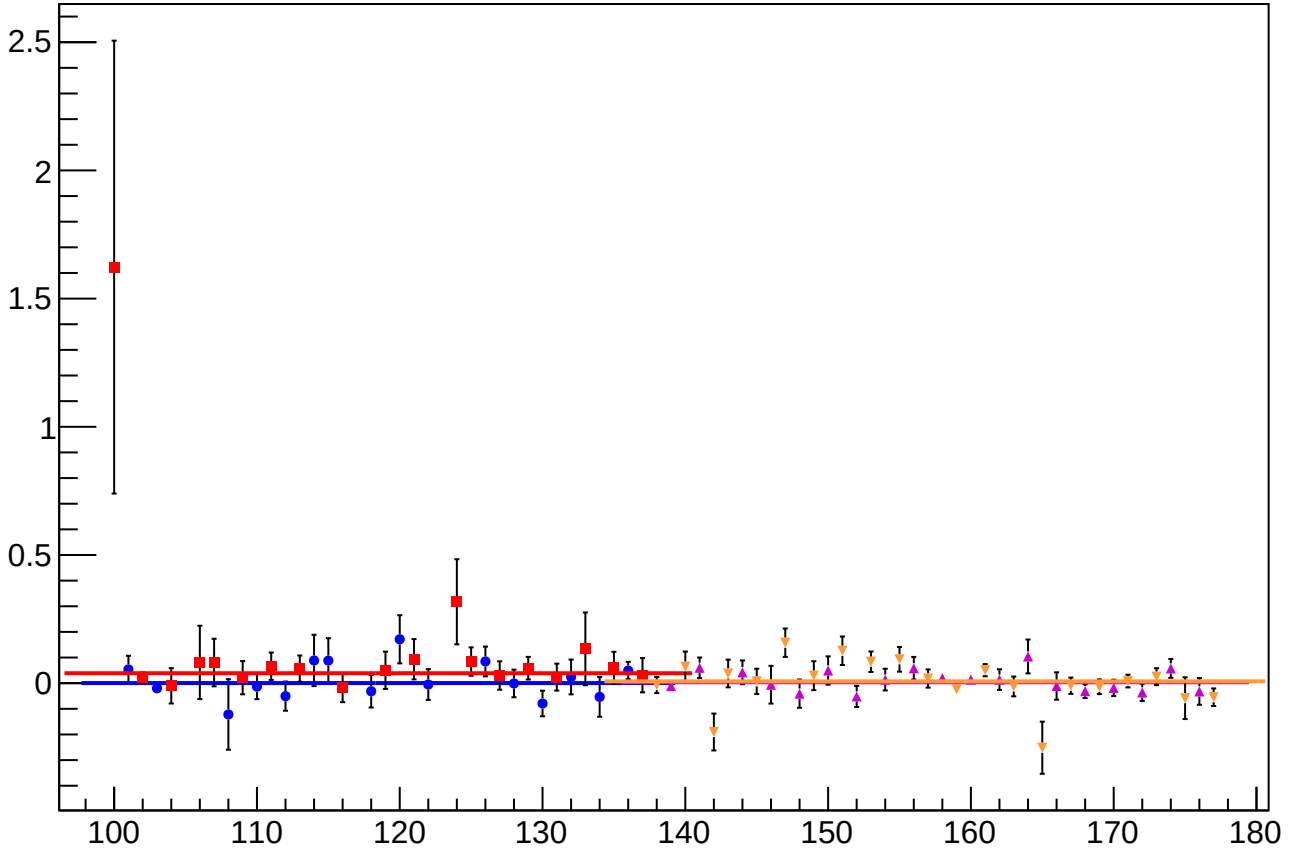
Left In: 0.002+/-0.000 χ^2/NDF:915250.0/18

+ sign 0.002+/-0.000 χ^2/NDF: 3438353.2/36

All: 0.002+/-0.000 χ^2/NDF: 9926351.5/74

- sign 0.002+/-0.000 χ^2/NDF: 6315146.7/37

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:46.8/20

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

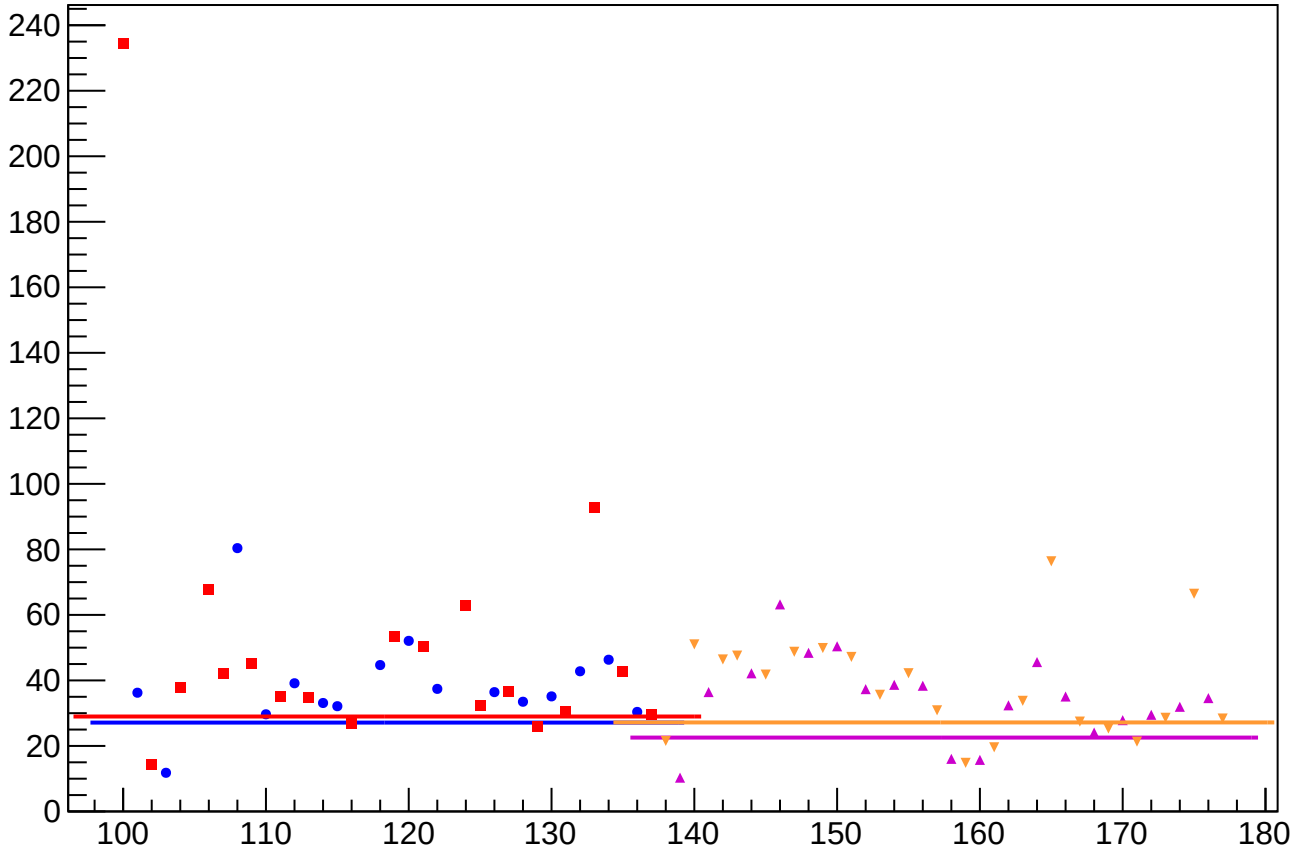
Left In: 0.004+/-0.007 χ^2/NDF:18.4/18

+ sign 0.005+/-0.006 χ^2/NDF: 63.5/36

All: 0.009+/-0.004 χ^2/NDF: 99.5/74

- sign 0.012+/-0.006 χ^2/NDF: 35.4/37

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: 27.173+/-0.005 χ^2/NDF:4631185.0/20

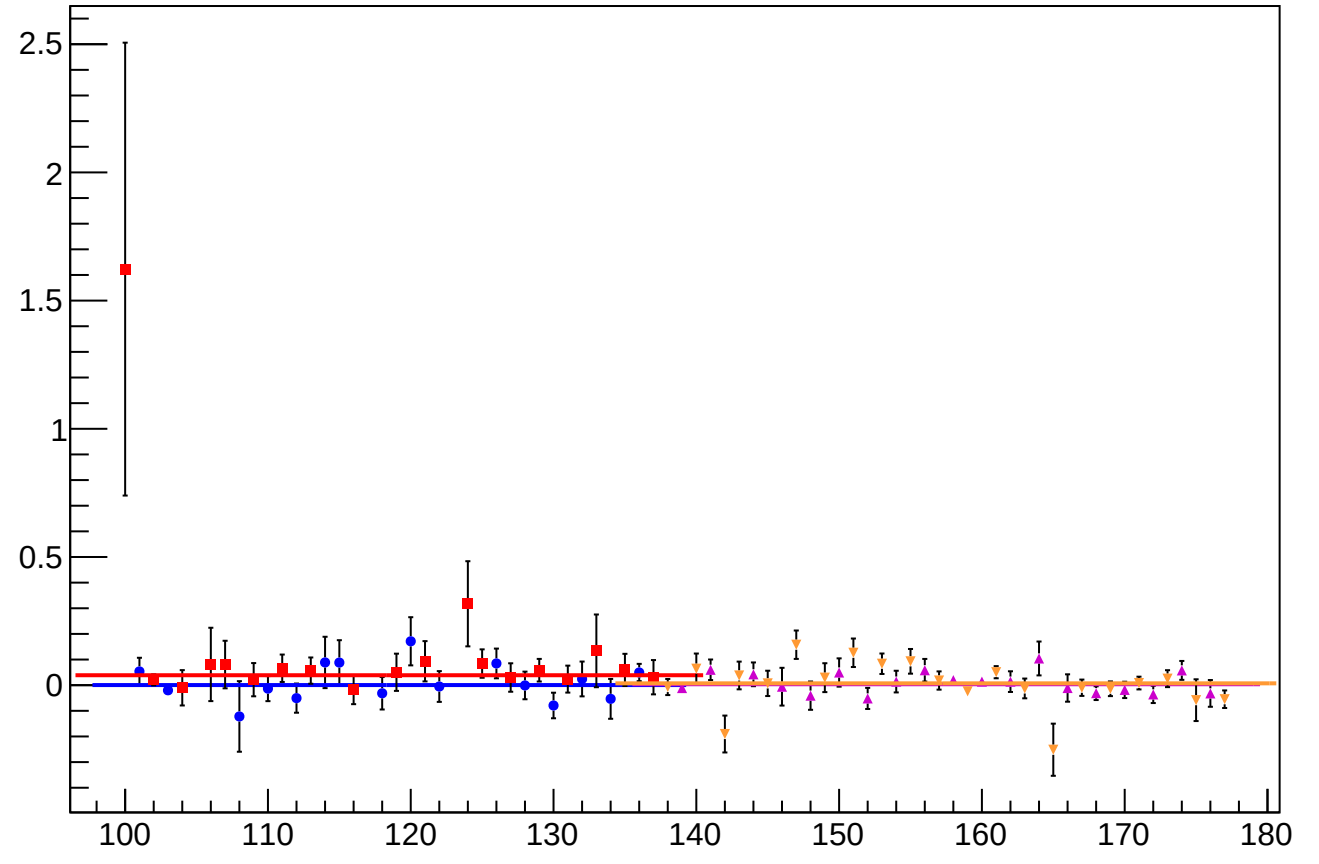
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.548+/-0.005 χ^2/NDF:6037011.2/18

+ sign 27.160+/-0.005 χ^2/NDF: 7046856.7/36

All: 25.494+/-0.003 χ^2/NDF: 16188576.0/74

- sign 24.028+/-0.004 χ^2/NDF: 8891771.8/37



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.8/20

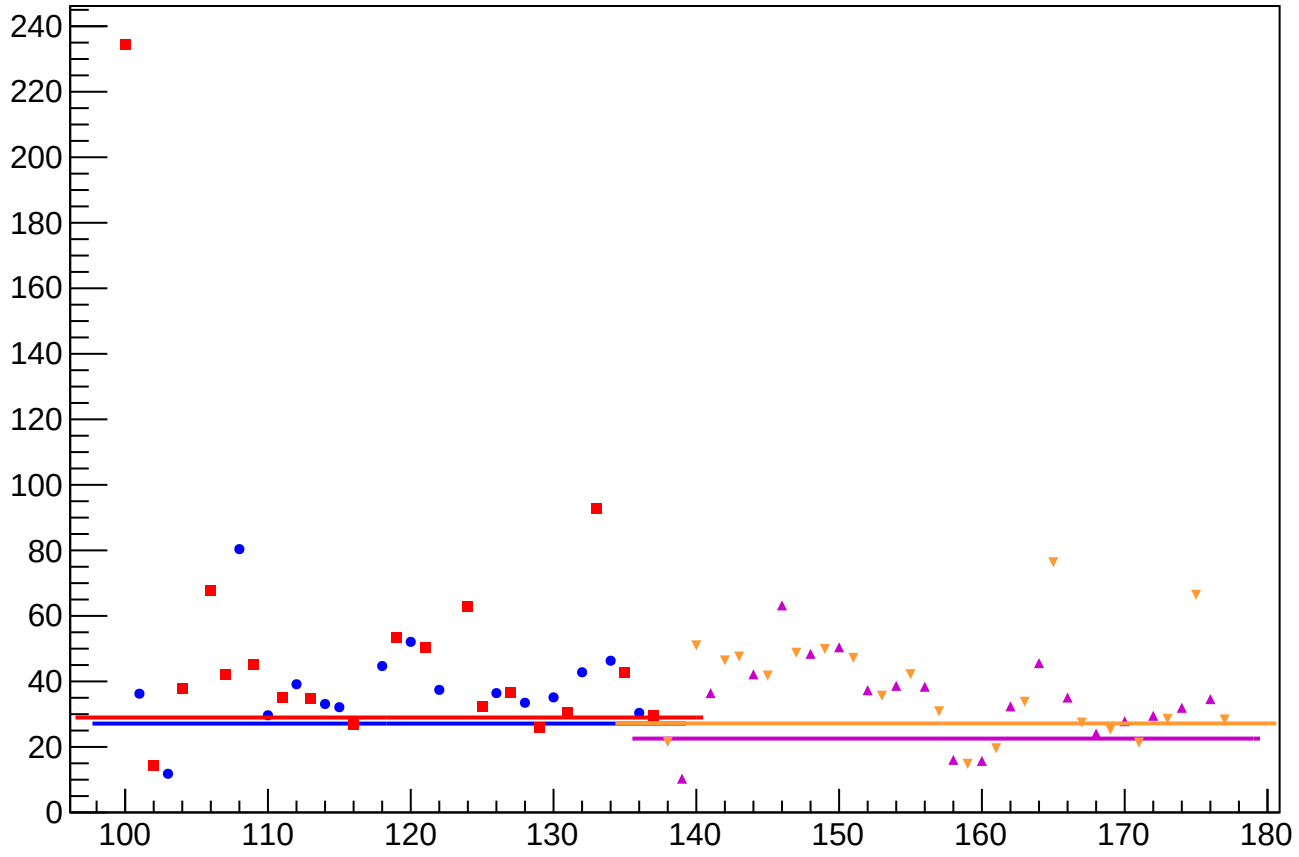
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.007 χ^2/NDF:18.4/18

+ sign 0.005+/-0.006 χ^2/NDF: 63.5/36

All: 0.009+/-0.004 χ^2/NDF: 99.5/74

- sign 0.012+/-0.006 χ^2/NDF: 35.4/37



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.173+/-0.005 χ^2/NDF:4631185.0/20

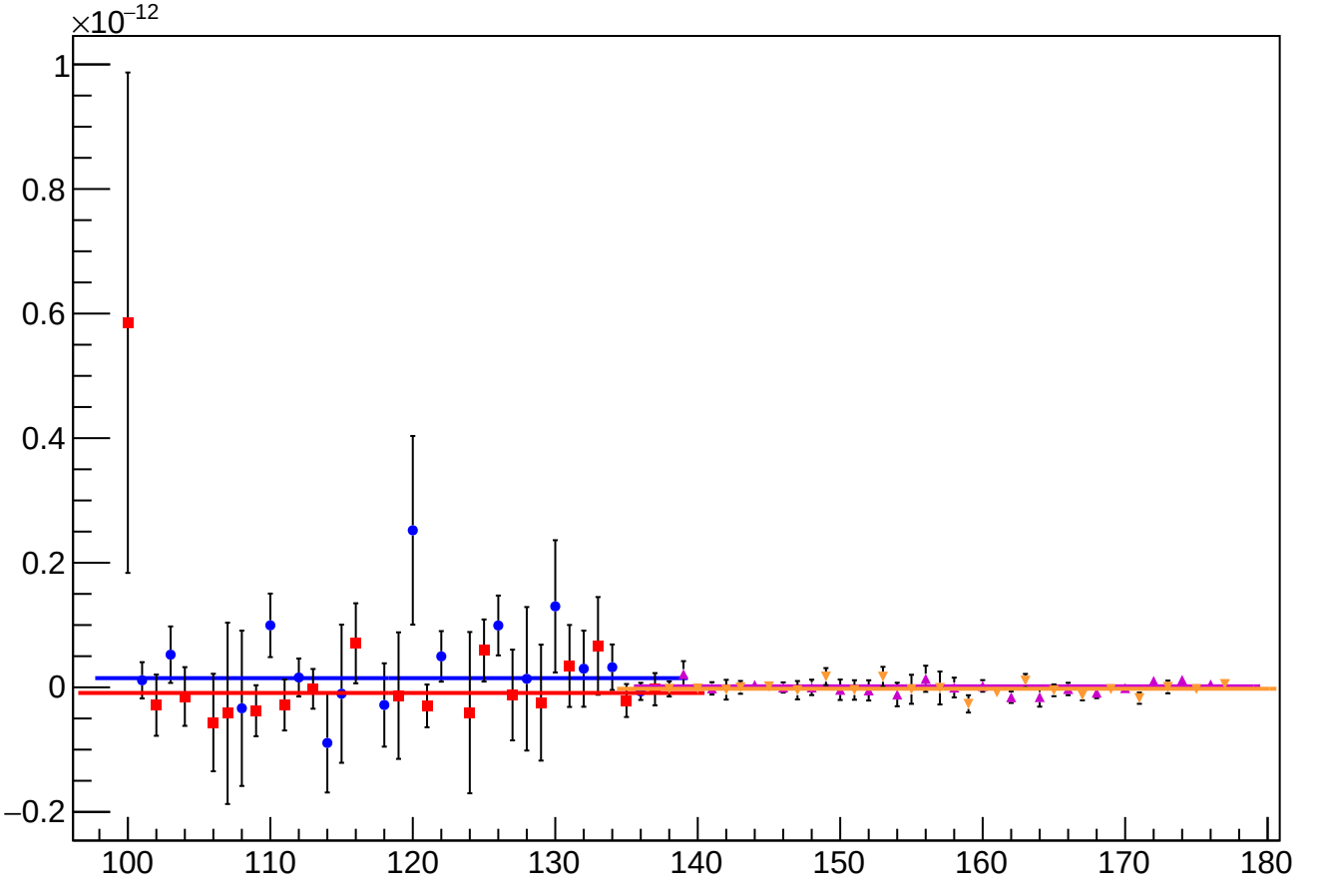
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.548+/-0.005 χ^2/NDF:6037011.2/18

+ sign 27.160+/-0.005 χ^2/NDF: 7046856.7/36

All: 25.494+/-0.003 χ^2/NDF: 16188576.0/74

- sign 24.028+/-0.004 χ^2/NDF: 8891771.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/20

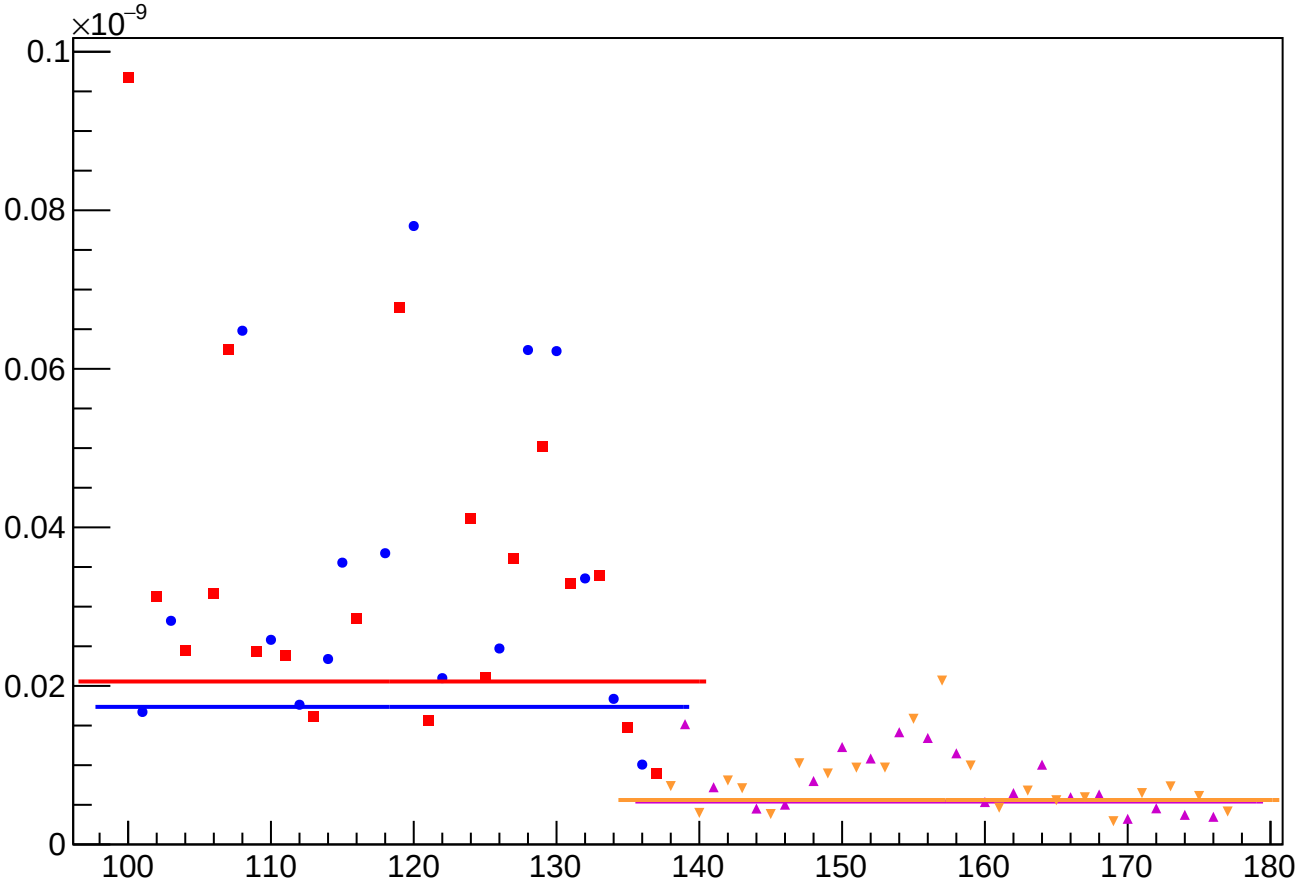
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 34.1/36

All: -0.000+/-0.000 χ^2/NDF: 58.8/74

- sign 0.000+/-0.000 χ^2/NDF: 23.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2930670.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

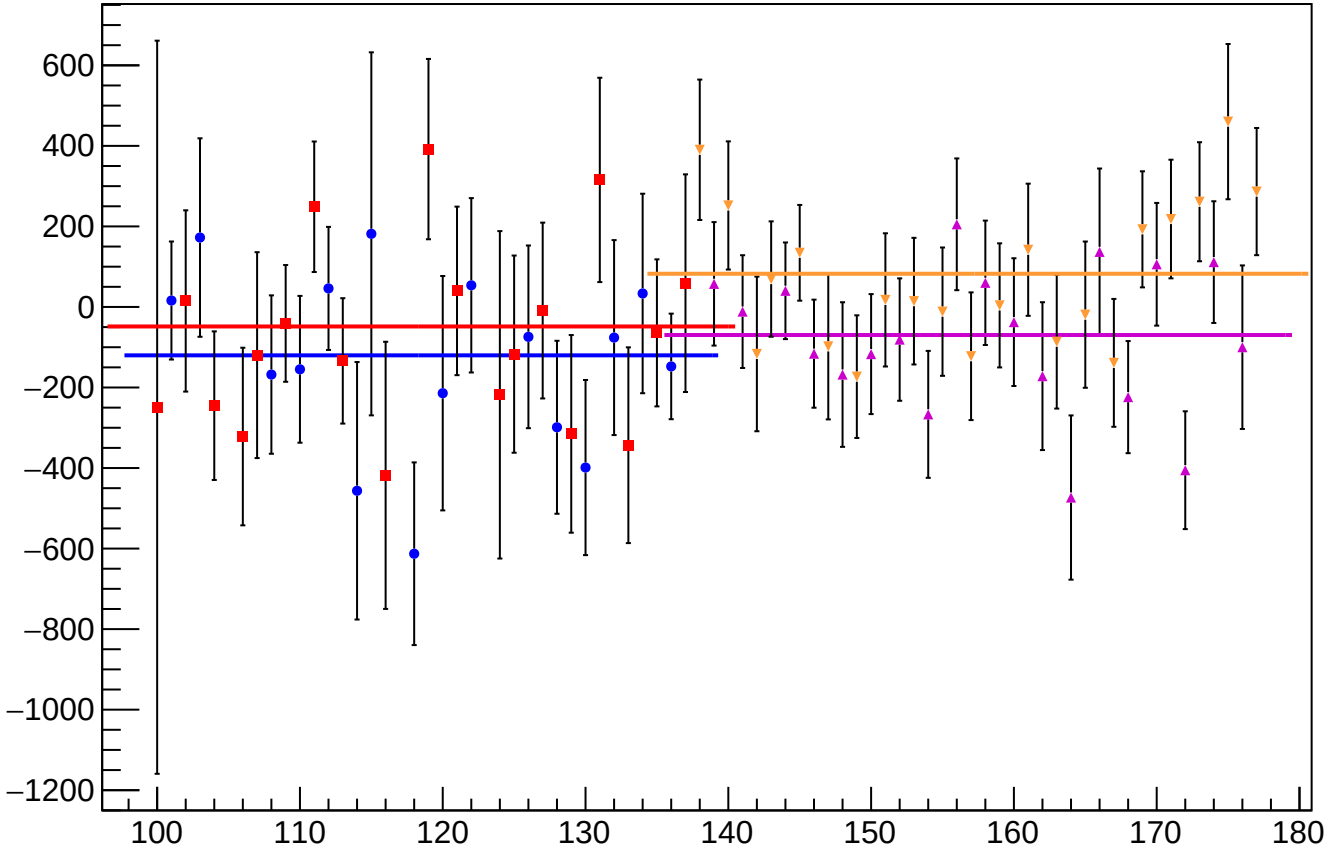
Left In: 0.000+/-0.000 χ^2/NDF:3172781.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 8325612.2/36

All: 0.000+/-0.000 χ^2/NDF: 17208373.1/74

- sign 0.000+/-0.000 χ^2/NDF: 8874393.7/37

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 82.464+/-34.478 χ^2/NDF:23.8/20

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

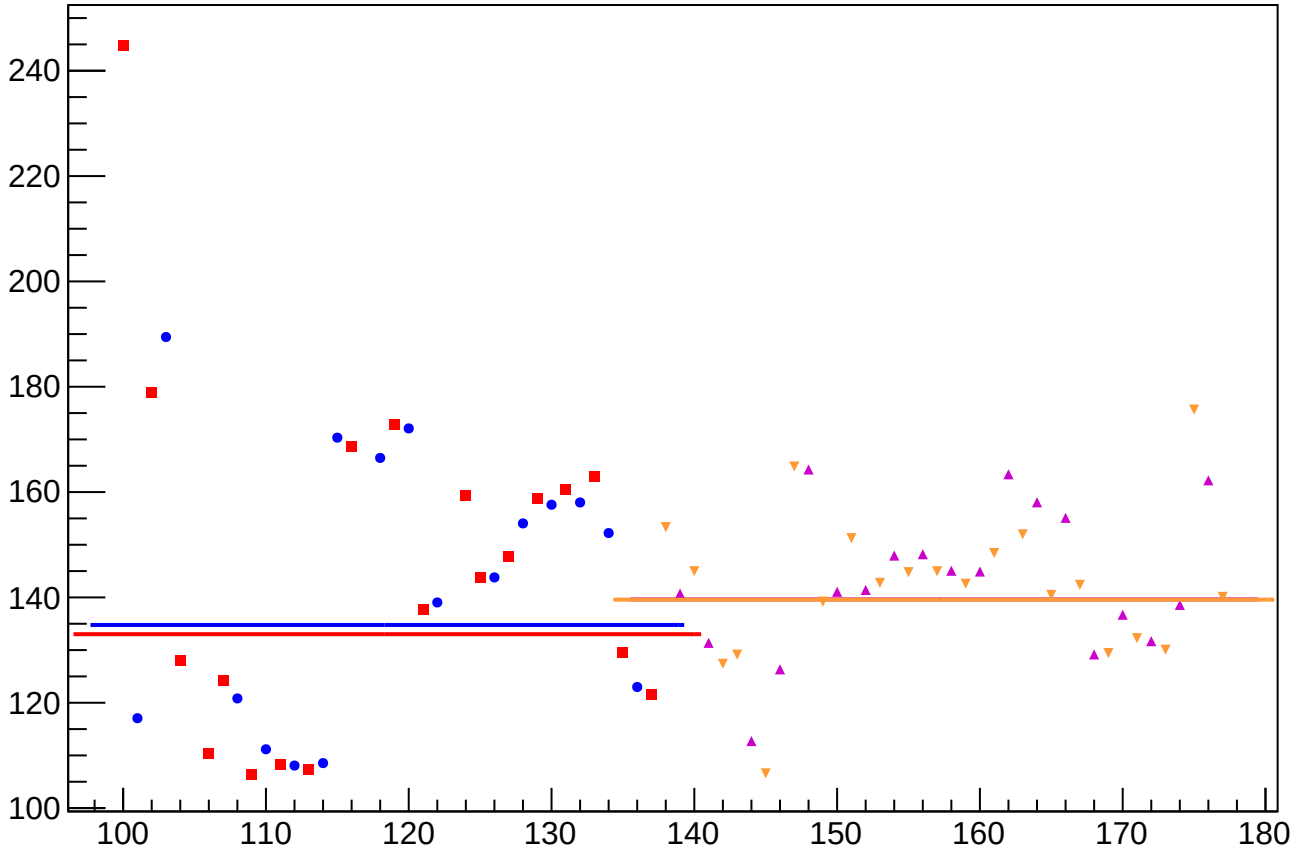
Left In: -69.681+/-35.720 χ^2/NDF:21.9/18

+ sign 19.084+/-28.581 χ^2/NDF: 48.0/36

All: -21.043+/-20.373 χ^2/NDF: 91.0/74

- sign -62.489+/-29.047 χ^2/NDF: 39.0/37

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.574+/-0.024 χ^2/NDF:353009.9/20

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

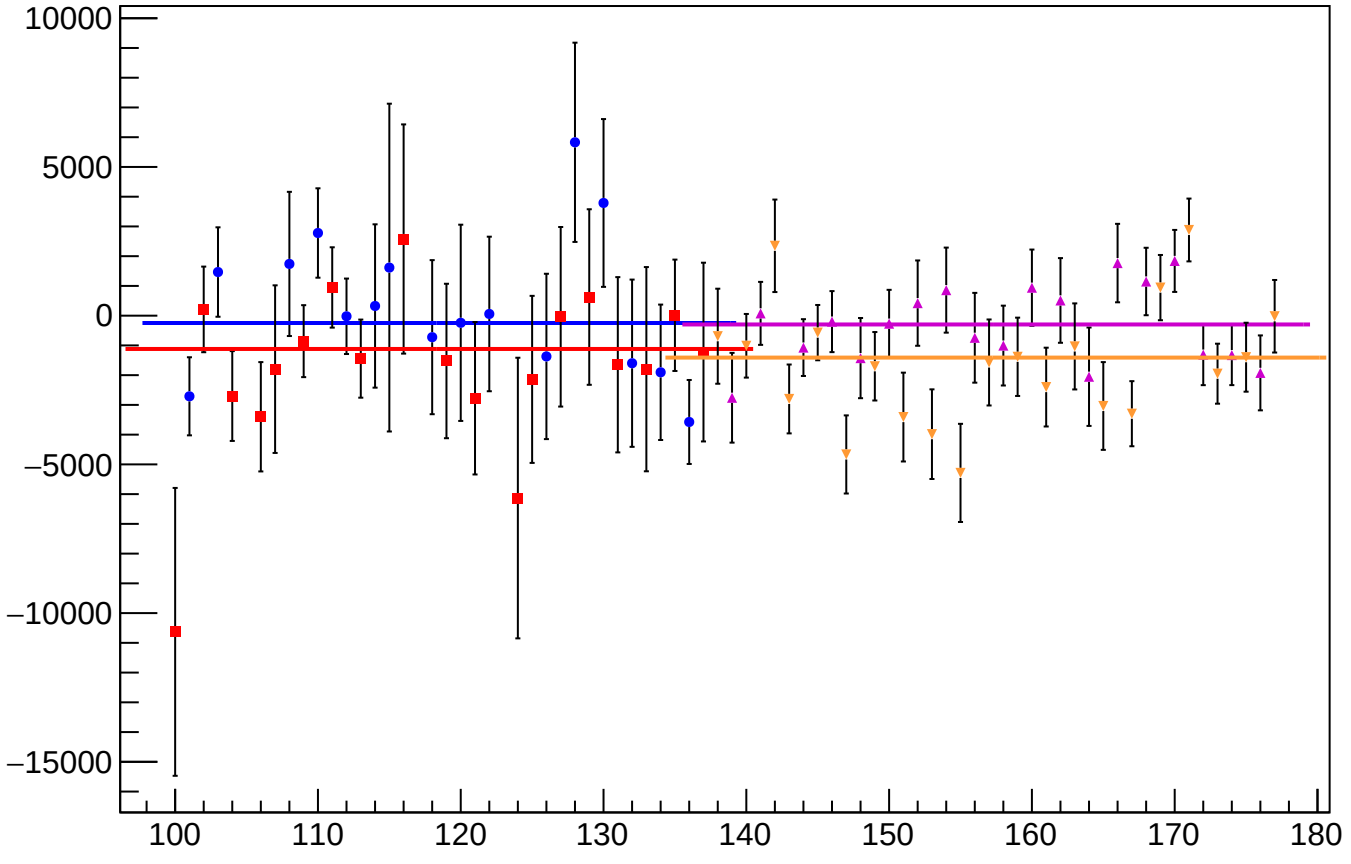
Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

\+ sign 138.072+/-0.020 χ^2/NDF: 781930.1/36

All: 137.735+/-0.014 χ^2/NDF: 1586344.4/74

\- sign 137.387+/-0.021 χ^2/NDF: 803848.8/37

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1409.610+/-270.174 χ^2/NDF:52.4/20

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

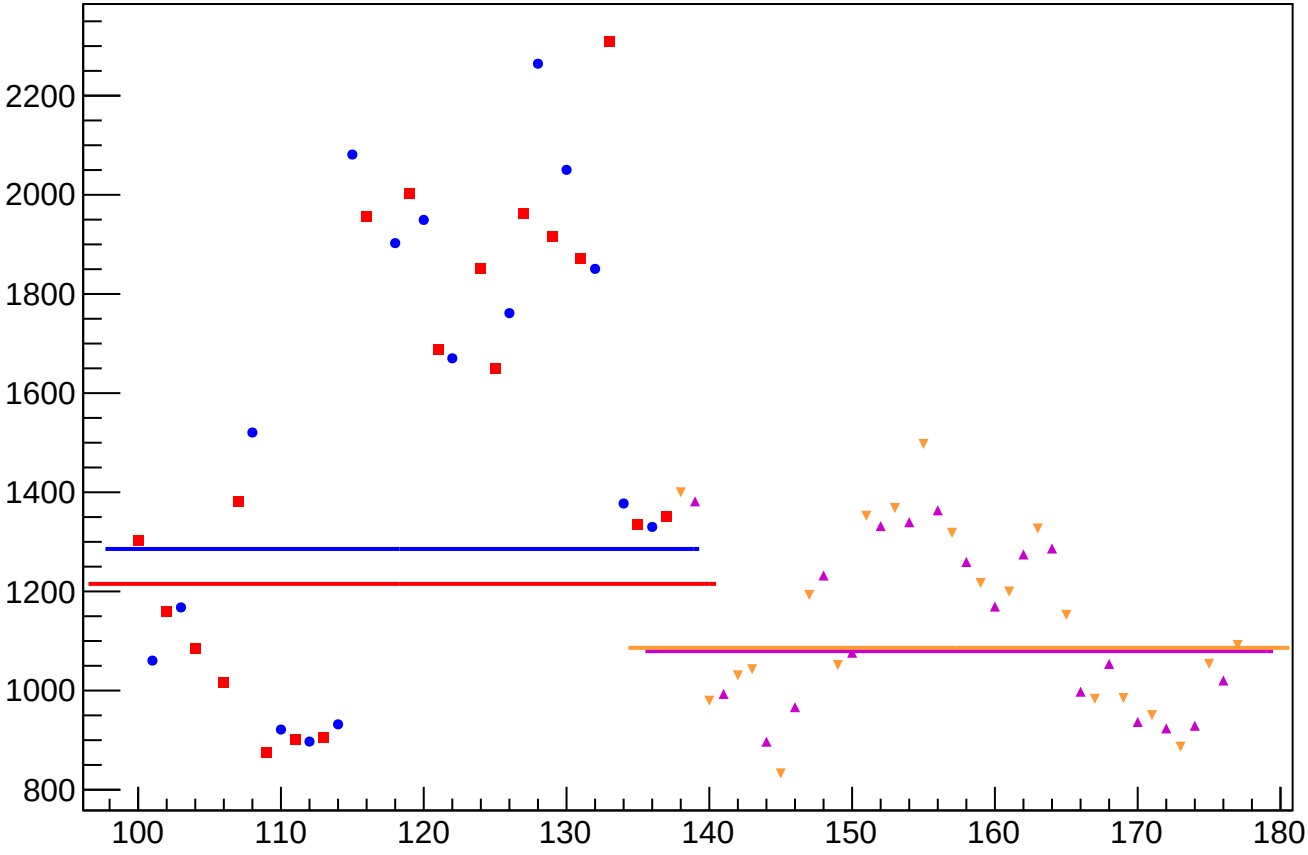
Left In: -295.692+/-277.661 χ^2/NDF:19.8/18

+ sign -1147.872+/-237.844 χ^2/NDF: 78.2/36

All: -830.222+/-168.535 χ^2/NDF: 117.2/74

- sign -509.882+/-238.849 χ^2/NDF: 35.5/37

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816751.3/20

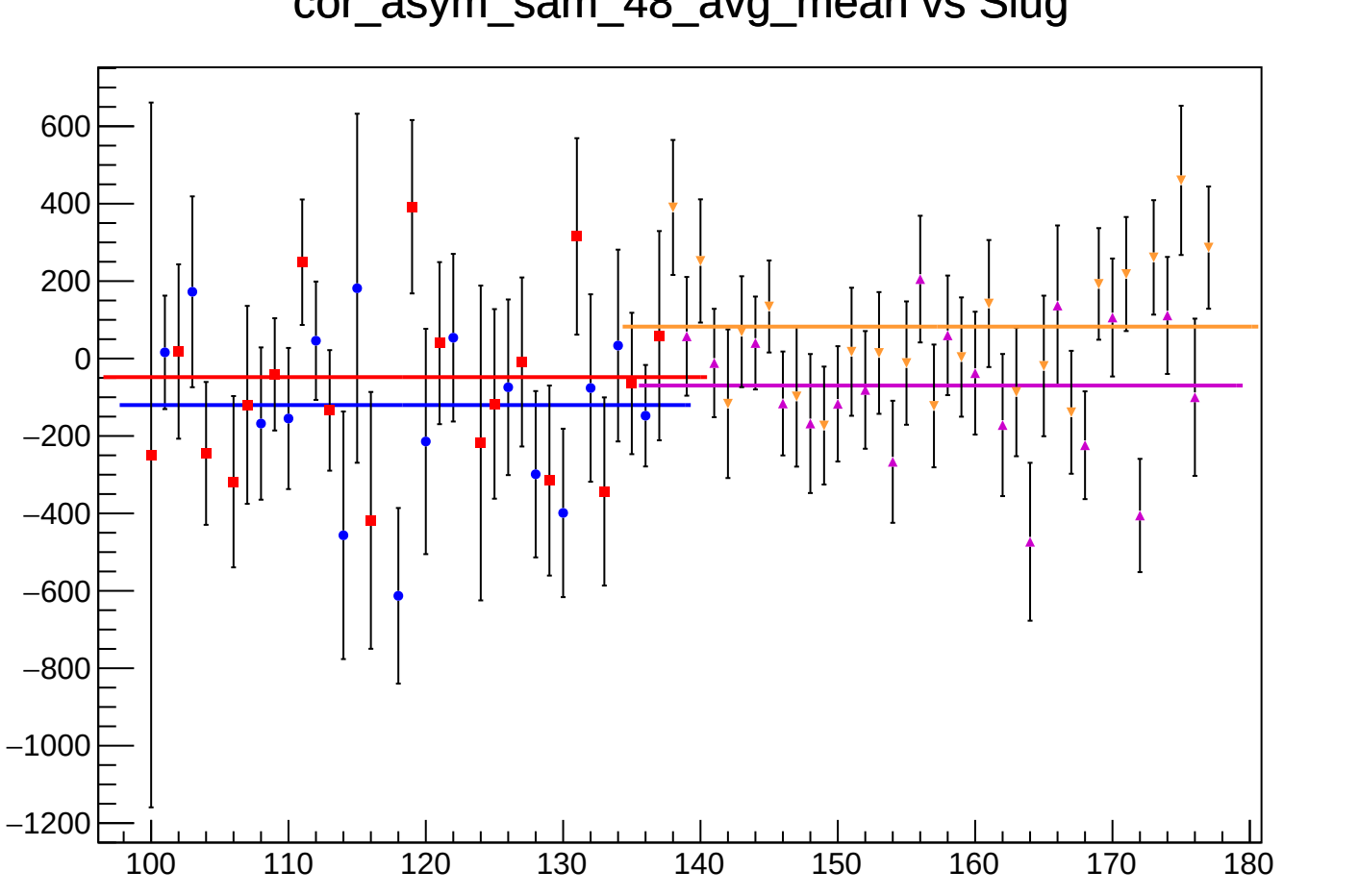
Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1079.547+/-0.196 χ^2/NDF:671221.5/18

+ sign 1131.091+/-0.168 χ^2/NDF: 2232451.0/36

All: 1122.995+/-0.119 χ^2/NDF: 4418813.7/74

- sign 1114.830+/-0.169 χ^2/NDF: 2181708.2/37



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 82.472+/-34.478 χ^2/NDF:23.8/20

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

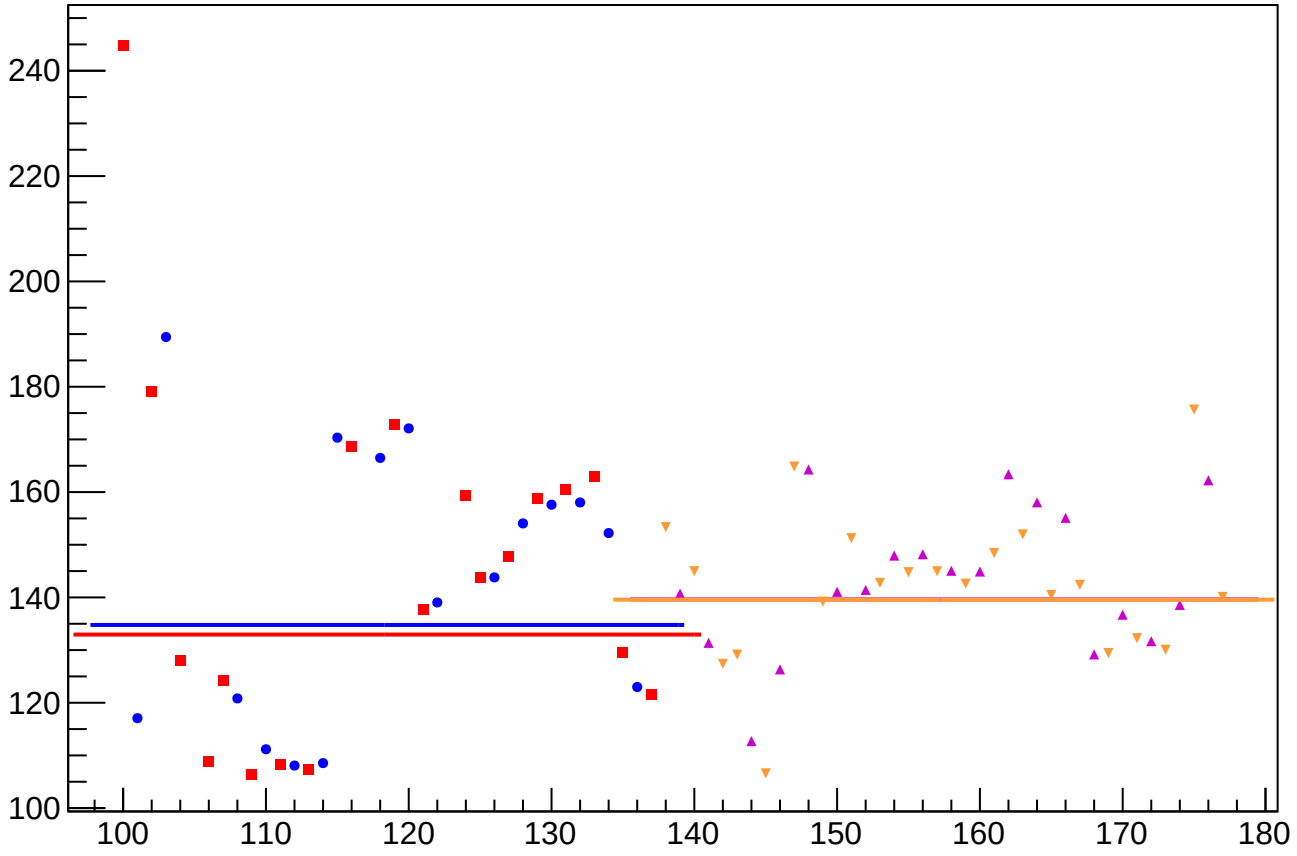
Left In: -69.682+/-35.720 χ^2/NDF:21.9/18

+ sign 19.086+/-28.581 χ^2/NDF: 48.0/36

All: -20.968+/-20.373 χ^2/NDF: 90.9/74

- sign -62.344+/-29.049 χ^2/NDF: 38.9/37

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.574+/-0.024 χ^2/NDF:353009.9/20

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

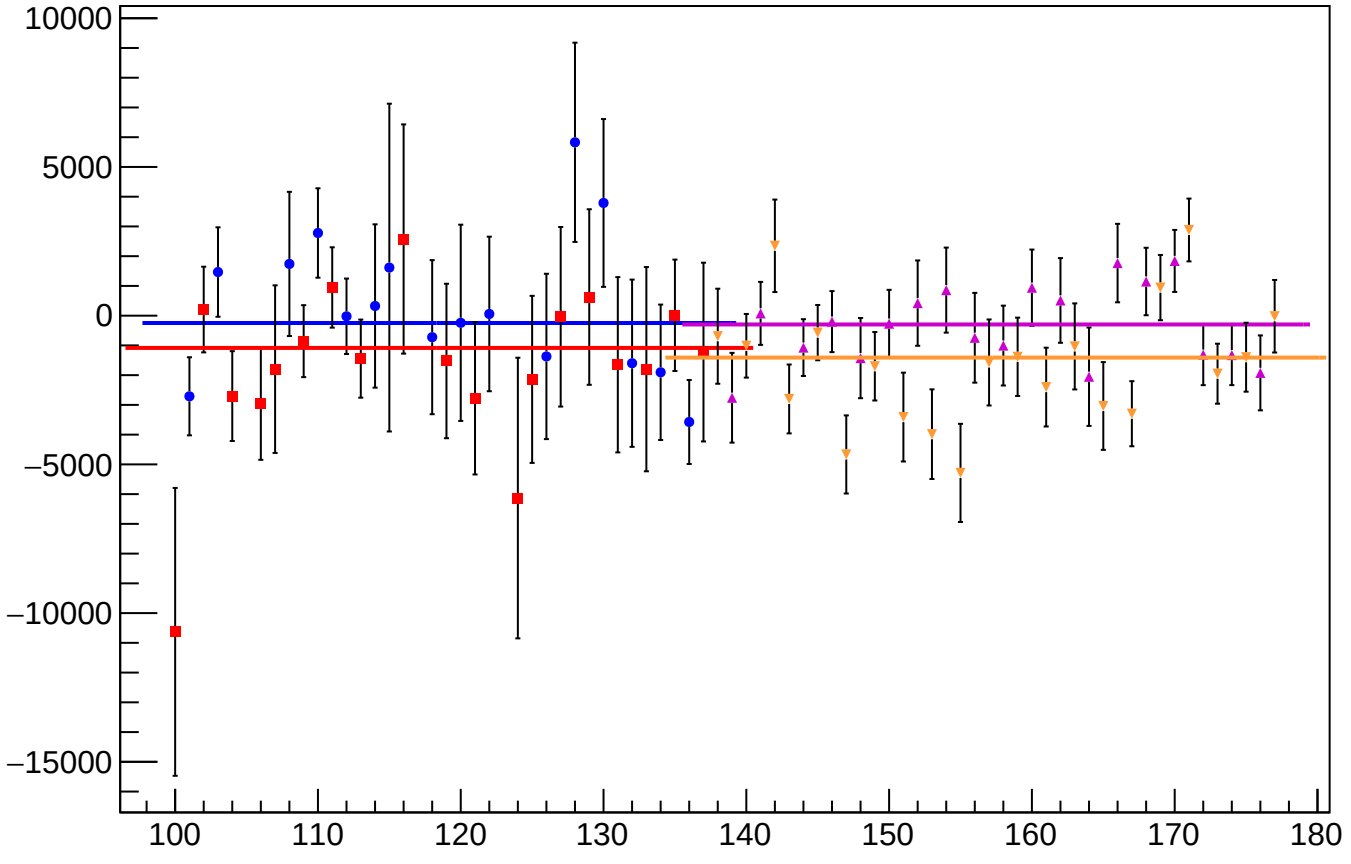
Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

+ sign 138.072+/-0.020 χ^2/NDF: 781933.1/36

All: 137.723+/-0.014 χ^2/NDF: 1590025.8/74

- sign 137.363+/-0.021 χ^2/NDF: 807487.0/37

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1409.602+/-270.174 χ^2/NDF:52.4/20

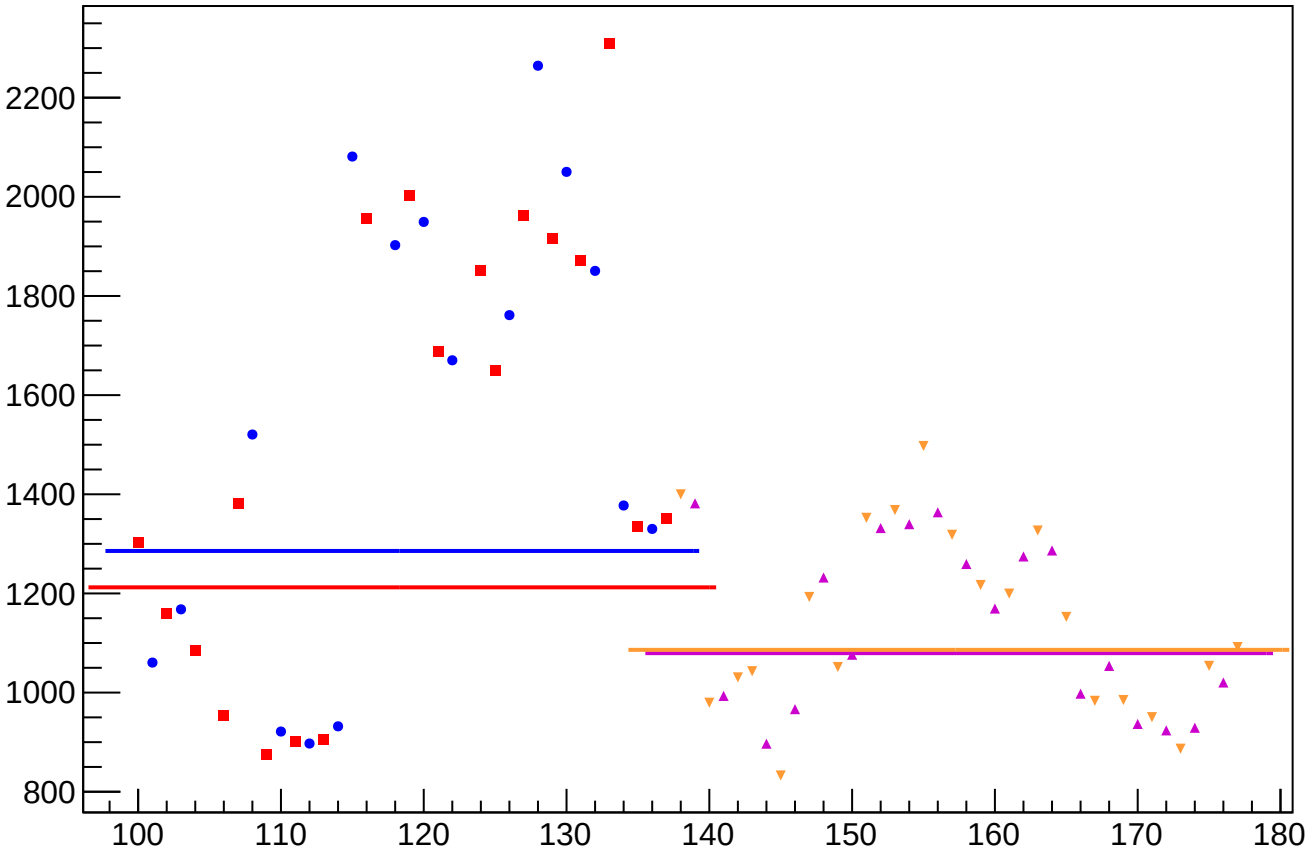
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -295.698+/-277.661 χ^2/NDF:19.8/18

+ sign -1147.886+/-237.845 χ^2/NDF: 78.2/36

All: -825.525+/-168.579 χ^2/NDF: 116.5/74

- sign -500.104+/-238.971 χ^2/NDF: 34.7/37



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816752.1/20

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

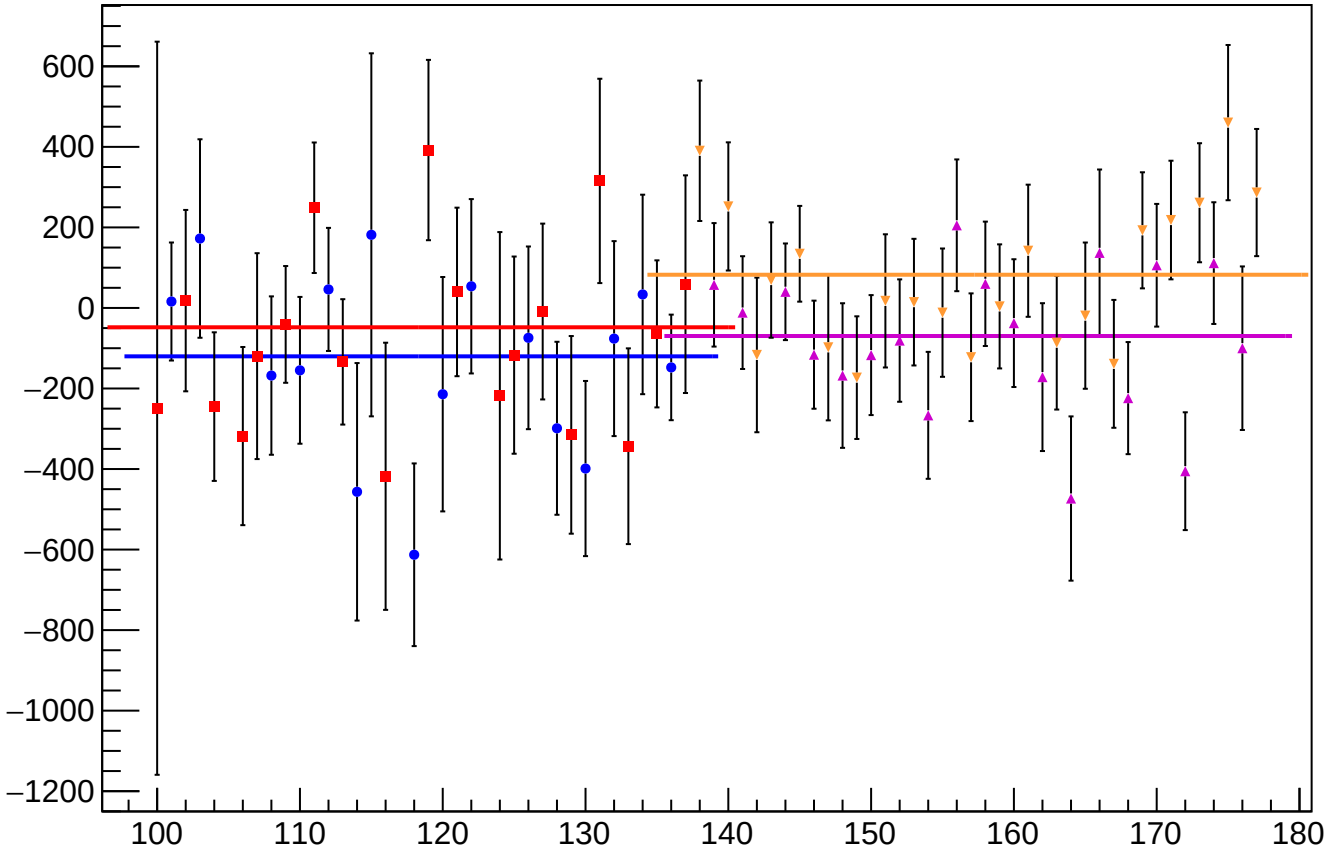
Left In: 1079.547+/-0.196 χ^2/NDF:671221.2/18

+ sign 1131.093+/-0.168 χ^2/NDF: 2232457.2/36

All: 1122.567+/-0.119 χ^2/NDF: 4427966.5/74

- sign 1113.959+/-0.169 χ^2/NDF: 2190344.5/37

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 82.472+/-34.478 χ^2/NDF:23.8/20

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

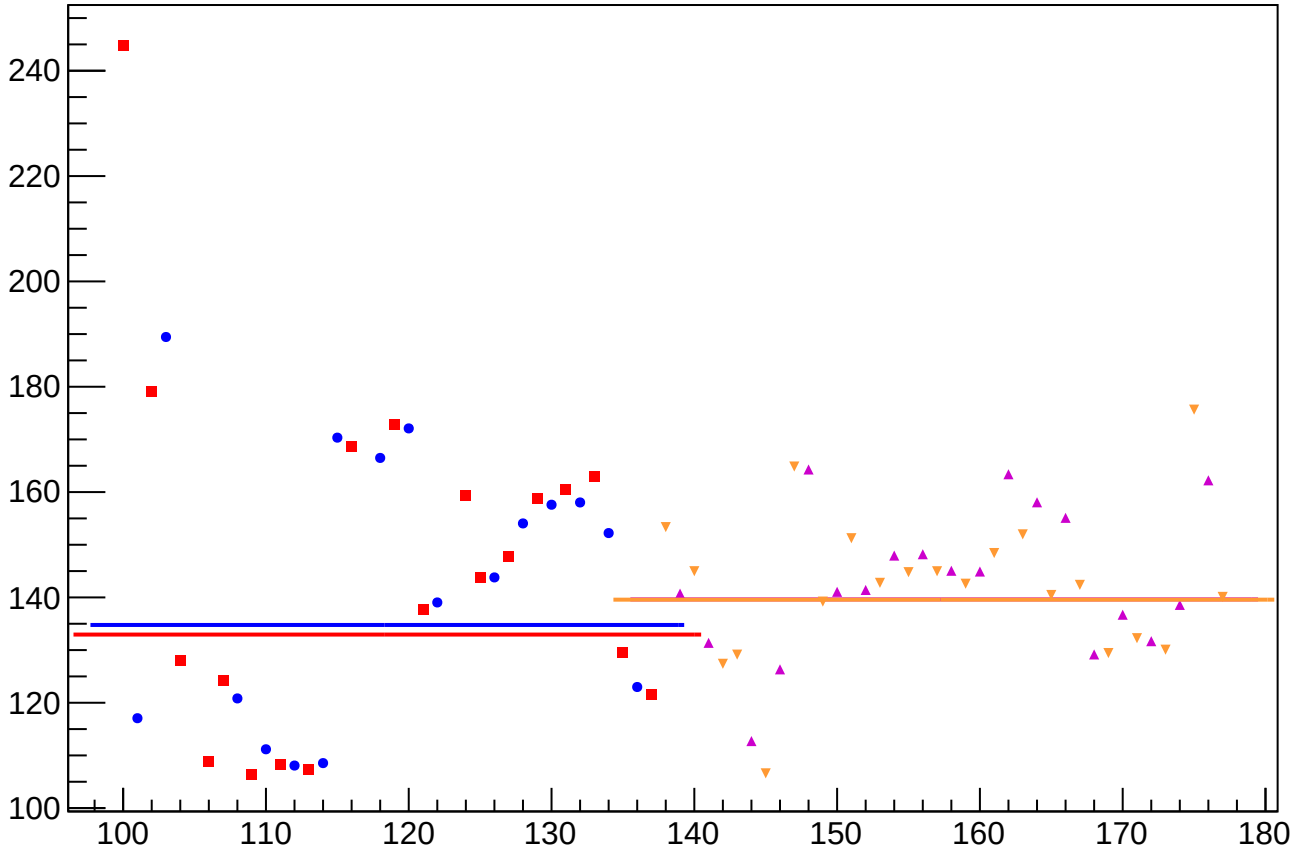
Left In: -69.682+/-35.720 χ^2/NDF:21.9/18

+ sign 19.086+/-28.581 χ^2/NDF: 48.0/36

All: -20.968+/-20.373 χ^2/NDF: 90.9/74

- sign -62.344+/-29.049 χ^2/NDF: 38.9/37

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.574+/-0.024 χ^2/NDF:353009.9/20

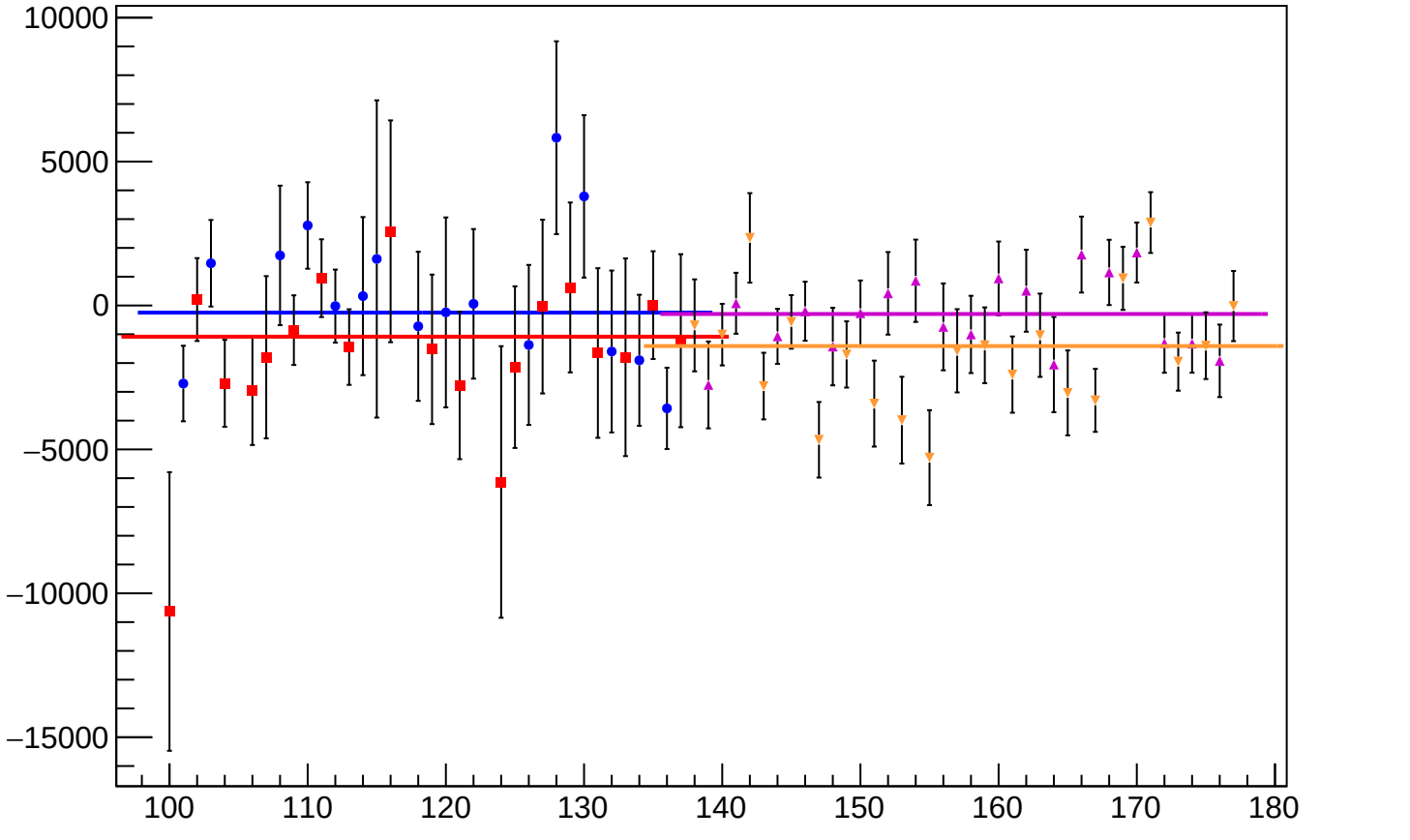
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

\+ sign 138.072+/-0.020 χ^2/NDF: 781933.1/36

All: 137.723+/-0.014 χ^2/NDF: 1590025.8/74

\- sign 137.363+/-0.021 χ^2/NDF: 807487.0/37



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1409.602+/-270.174 χ^2/NDF:52.4/20

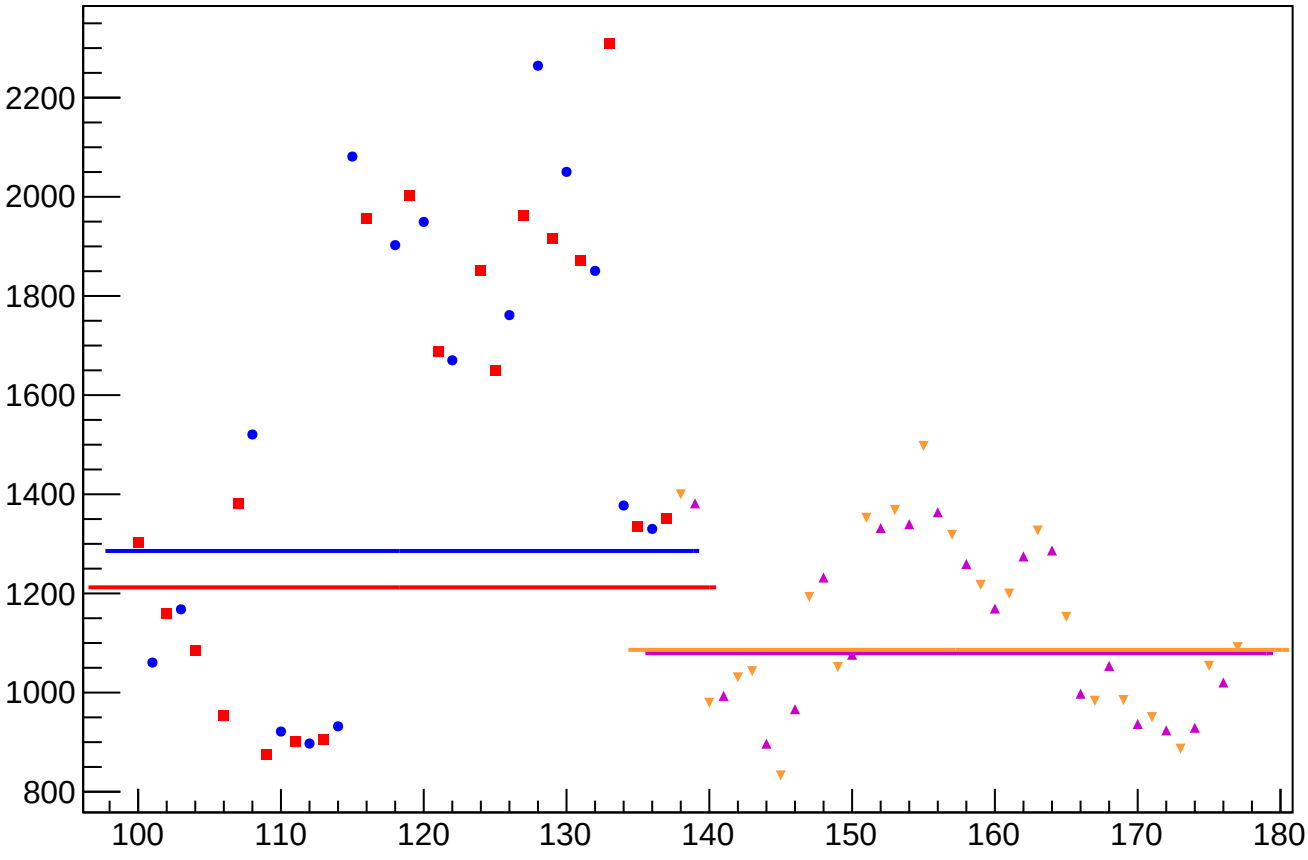
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -295.698+/-277.661 χ^2/NDF:19.8/18

+ sign -1147.886+/-237.845 χ^2/NDF: 78.2/36

All: -825.525+/-168.579 χ^2/NDF: 116.5/74

- sign -500.104+/-238.971 χ^2/NDF: 34.7/37



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816752.1/20

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

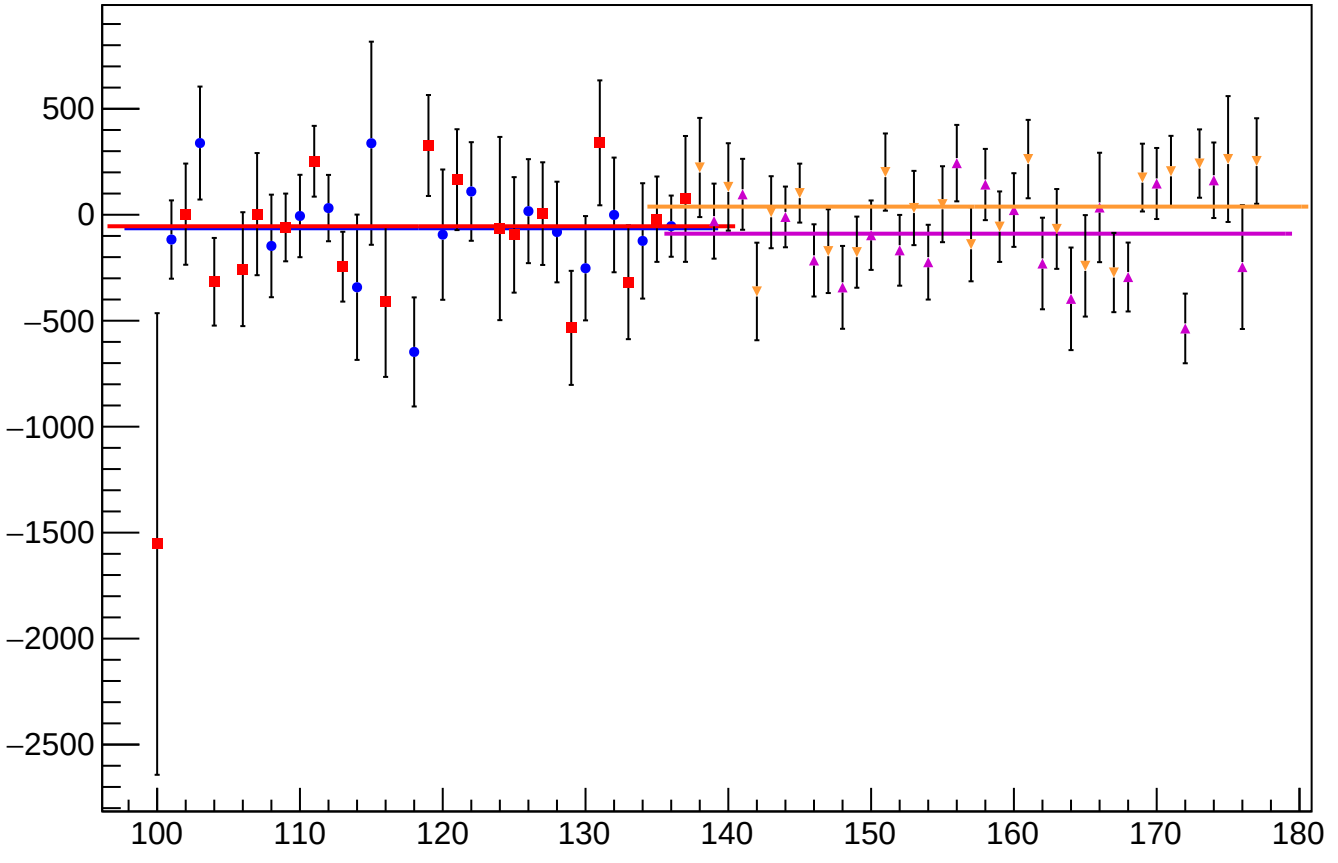
Left In: 1079.547+/-0.196 χ^2/NDF:671221.2/18

+ sign 1131.093+/-0.168 χ^2/NDF: 2232457.2/36

All: 1122.567+/-0.119 χ^2/NDF: 4427966.5/74

- sign 1113.959+/-0.169 χ^2/NDF: 2190344.5/37

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 38.364+/-40.051 χ^2/NDF:20.0/20

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

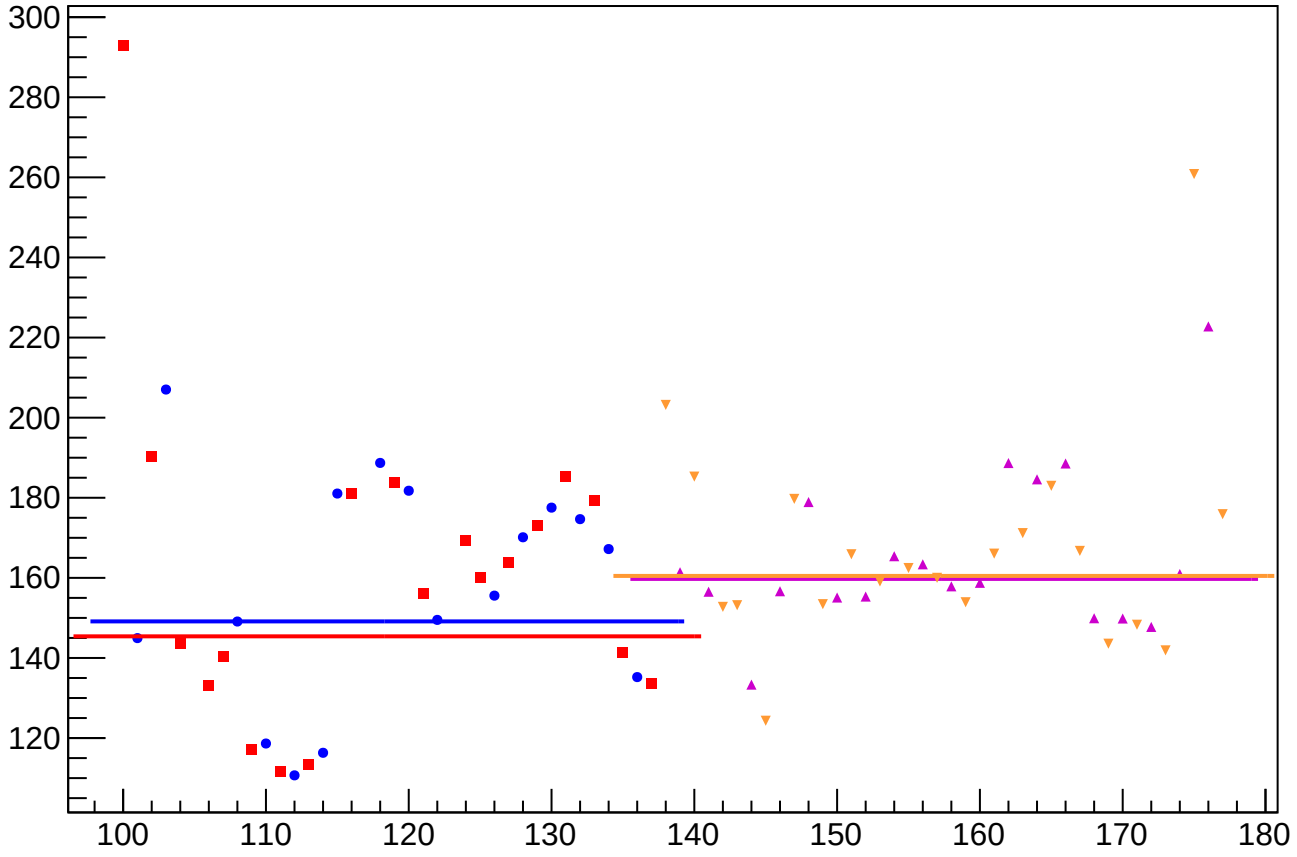
Left In: -89.351+/-41.219 χ^2/NDF:25.9/18

+ sign 4.390+/-32.719 χ^2/NDF: 32.9/36

All: -35.882+/-23.210 χ^2/NDF: 81.7/74

- sign -76.670+/-32.928 χ^2/NDF: 45.7/37

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 160.486+/-0.028 χ^2/NDF:592176.6/20

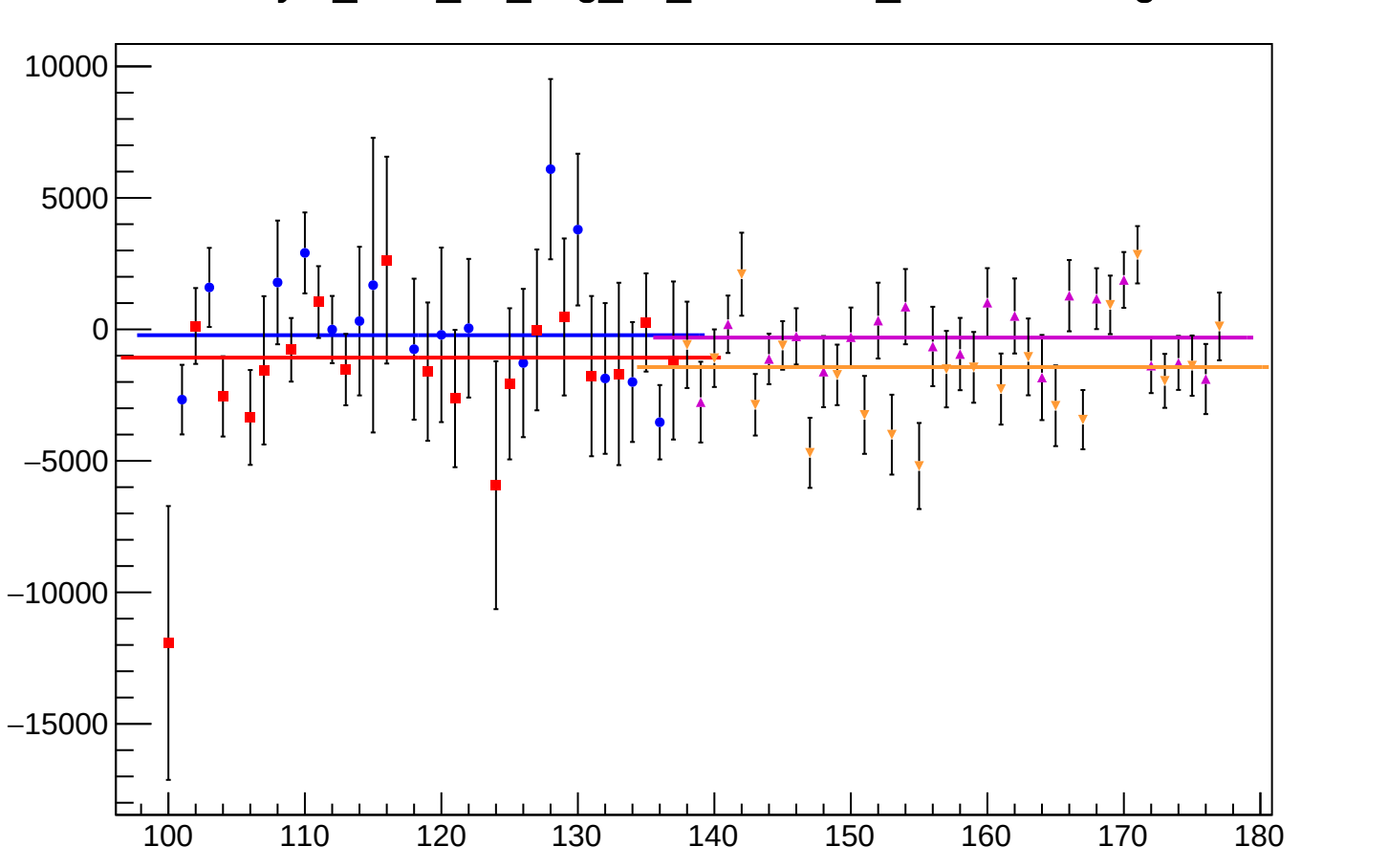
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 159.739+/-0.029 χ^2/NDF:294798.6/18

+ sign 156.709+/-0.023 χ^2/NDF: 1096656.6/36

All: 155.637+/-0.016 χ^2/NDF: 2009177.2/74

- sign 154.550+/-0.023 χ^2/NDF: 908195.4/37



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1434.207+/-274.119 χ^2/NDF:49.5/20

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

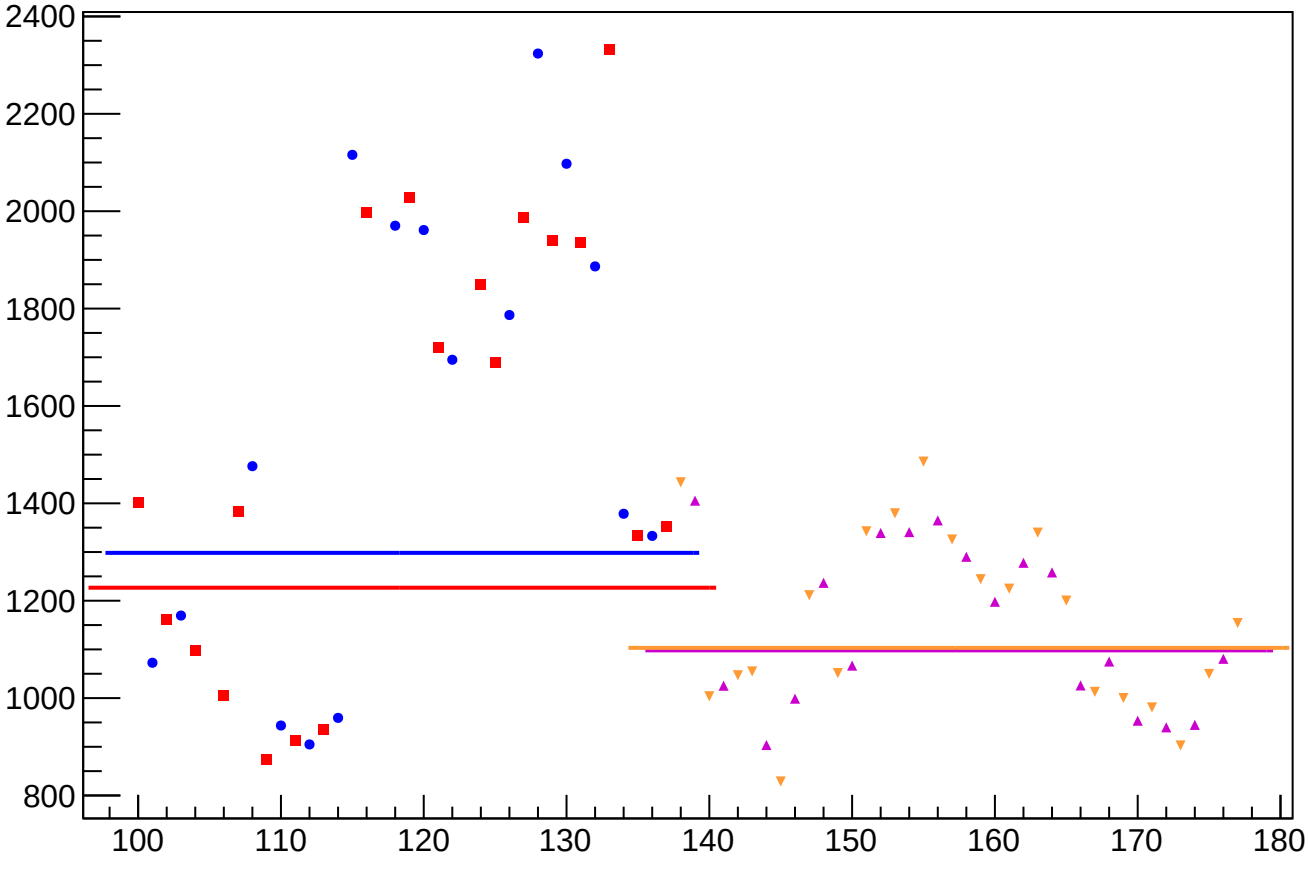
Left In: -312.638+/-282.214 χ^2/NDF:18.4/18

+ sign -1159.165+/-241.045 χ^2/NDF: 75.8/36

All: -837.673+/-170.897 χ^2/NDF: 113.3/74

- sign -512.747+/-242.330 χ^2/NDF: 33.9/37

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1103.195+/-0.194 χ^2/NDF:814406.4/20

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

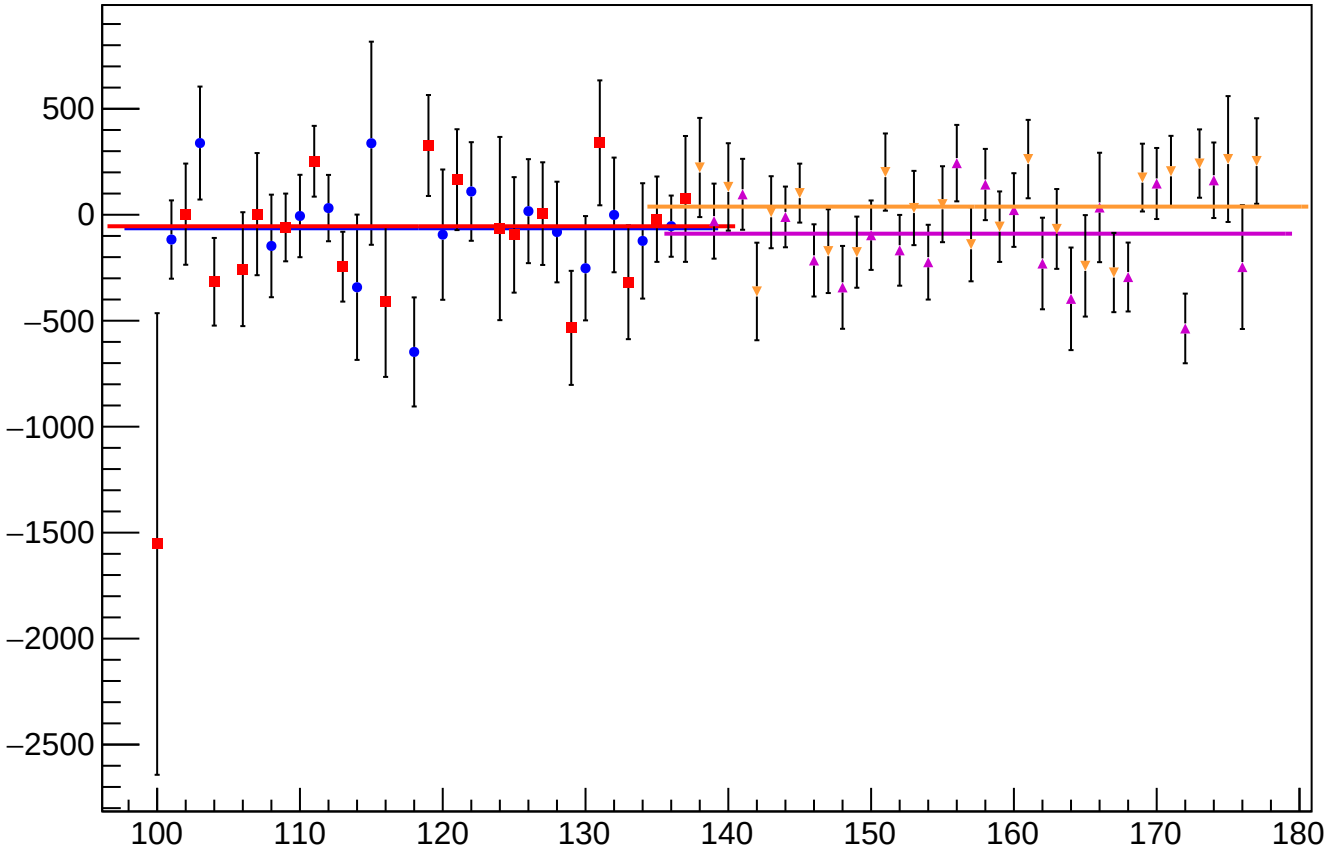
Left In: 1098.019+/-0.200 χ^2/NDF:622836.0/18

\+ sign 1147.433+/-0.170 χ^2/NDF: 2226255.4/36

All: 1139.673+/-0.121 χ^2/NDF: 4367056.2/74

\- sign 1131.829+/-0.171 χ^2/NDF: 2136632.2/37

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 38.366+/-40.051 χ^2/NDF:20.0/20

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

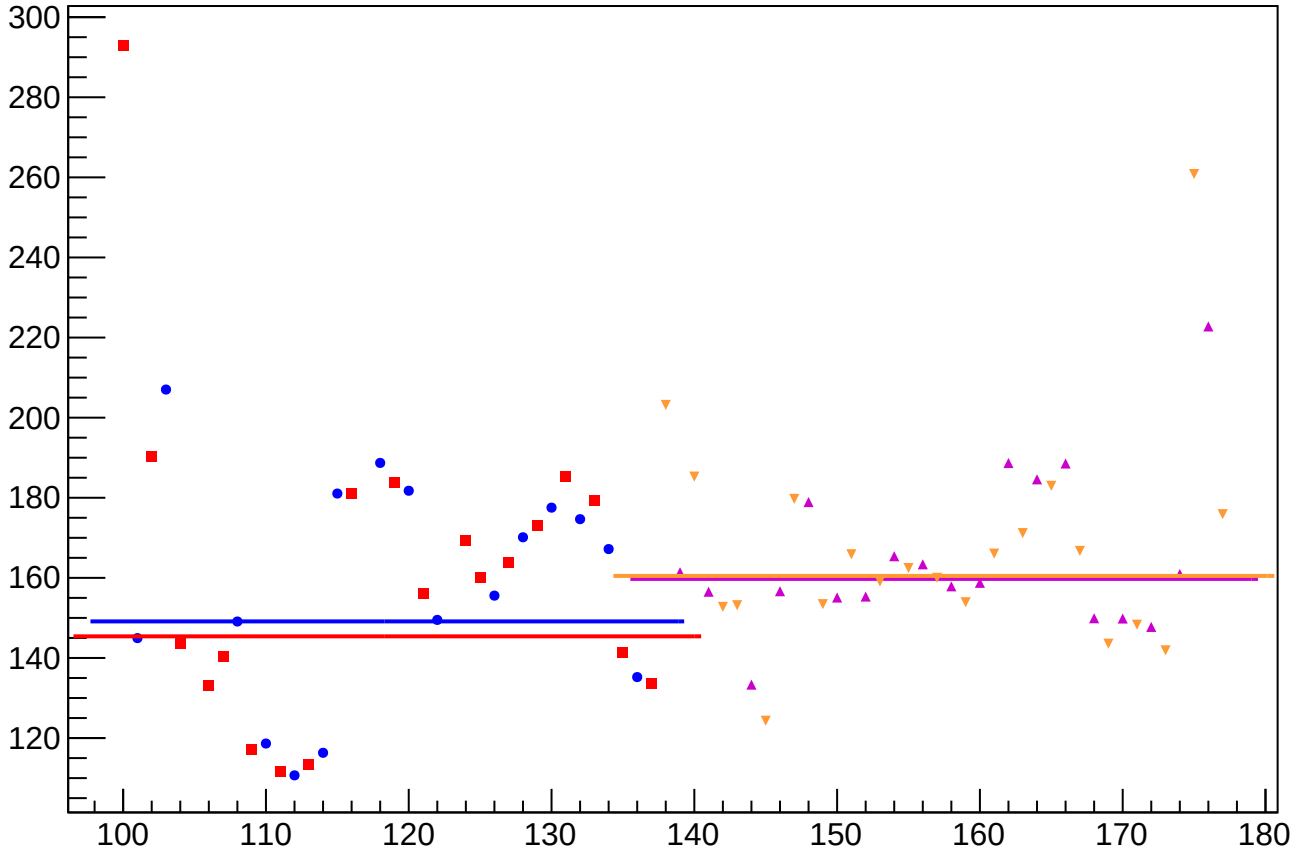
Left In: -89.350+/-41.219 χ^2/NDF:25.9/18

+ sign 4.393+/-32.719 χ^2/NDF: 32.9/36

All: -35.880+/-23.210 χ^2/NDF: 81.7/74

- sign -76.670+/-32.928 χ^2/NDF: 45.7/37

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 160.486+/-0.028 χ^2/NDF:592168.3/20

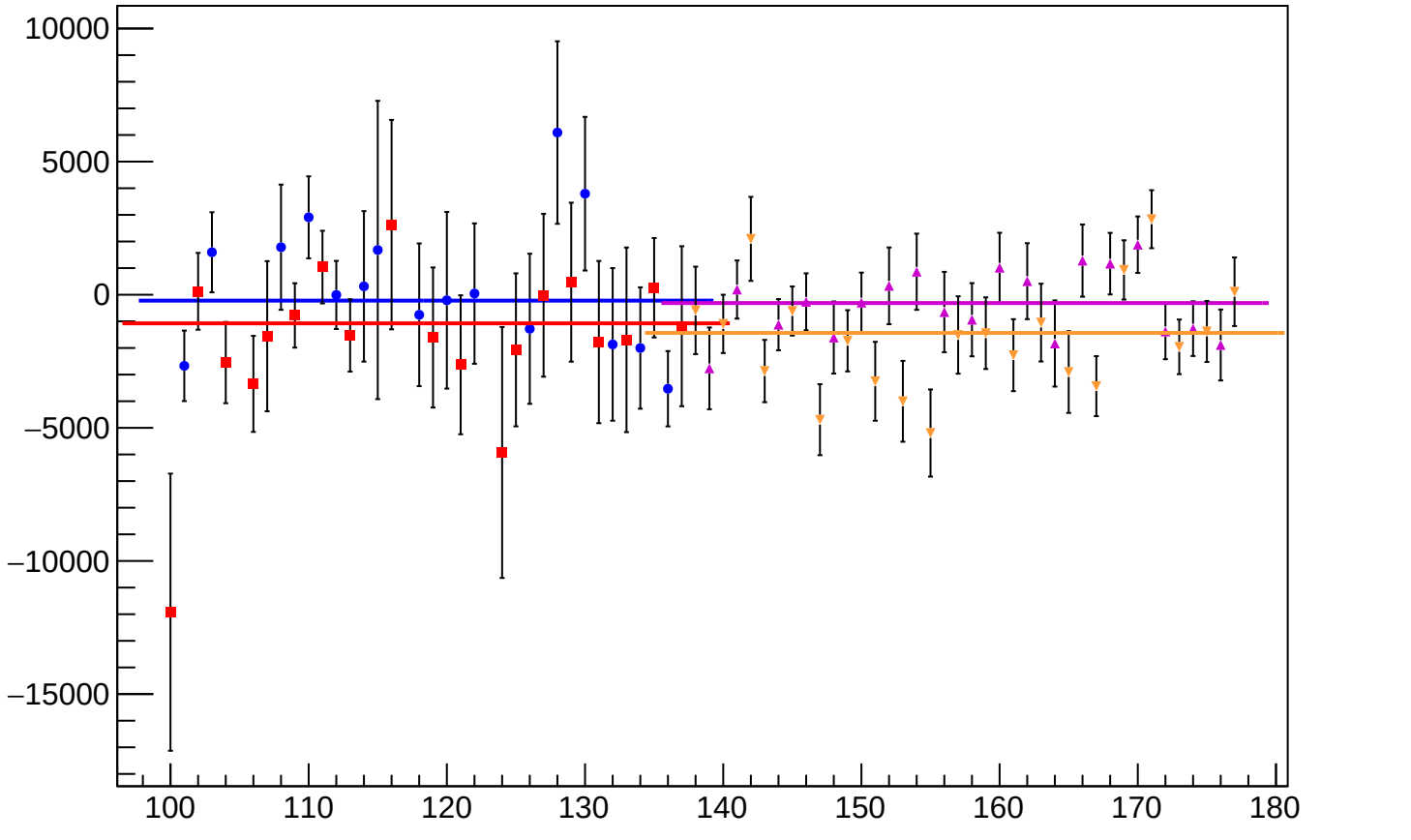
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 159.739+/-0.029 χ^2/NDF:294792.6/18

+ sign 156.709+/-0.023 χ^2/NDF: 1096652.2/36

All: 155.637+/-0.016 χ^2/NDF: 2009172.9/74

- sign 154.550+/-0.023 χ^2/NDF: 908195.3/37



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1434.204+/-274.118 χ^2/NDF:49.5/20

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

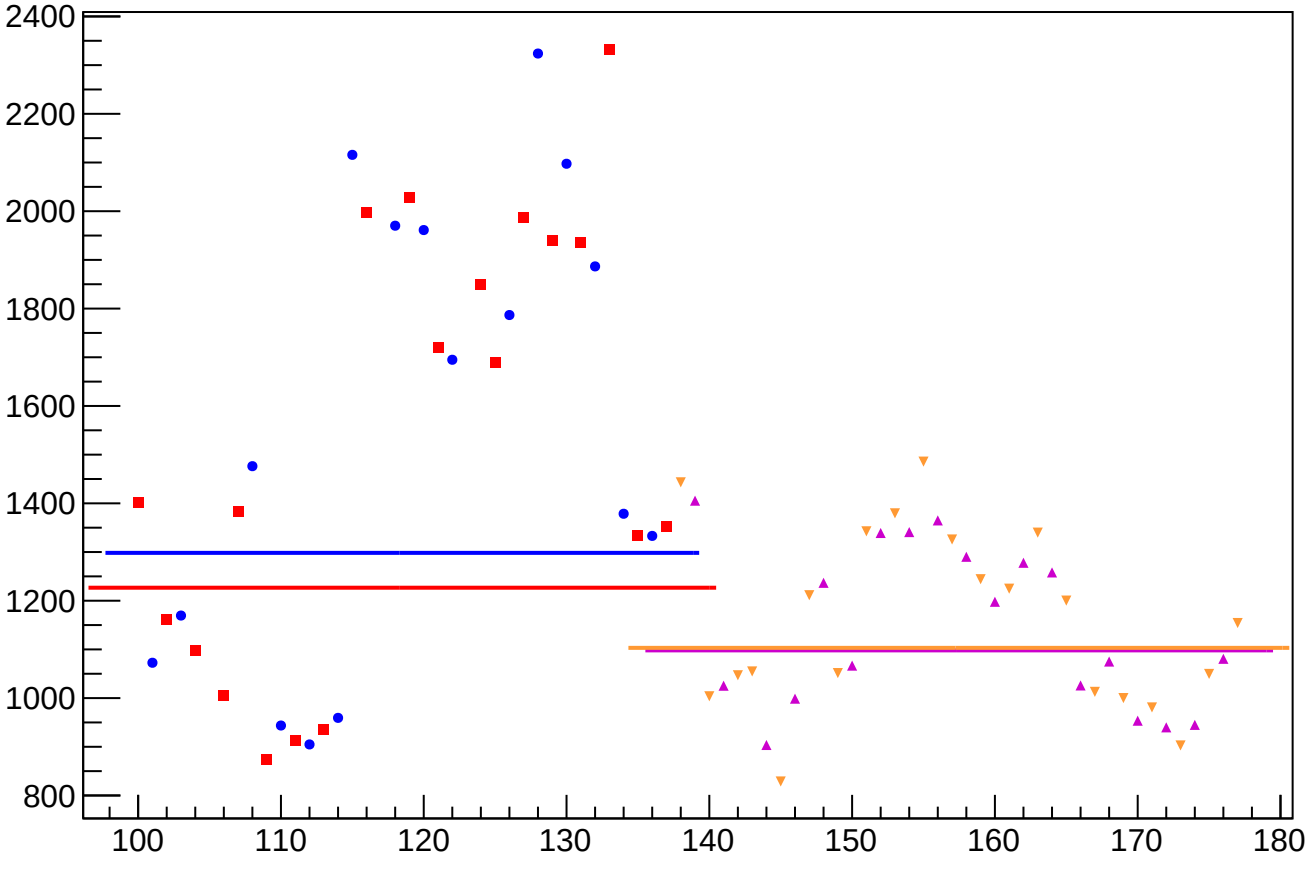
Left In: -312.636+/-282.214 χ^2/NDF:18.4/18

\+ sign -1159.163+/-241.045 χ^2/NDF: 75.8/36

All: -837.671+/-170.897 χ^2/NDF: 113.3/74

\- sign -512.745+/-242.329 χ^2/NDF: 33.9/37

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1103.193+/-0.194 χ^2/NDF:814410.0/20

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

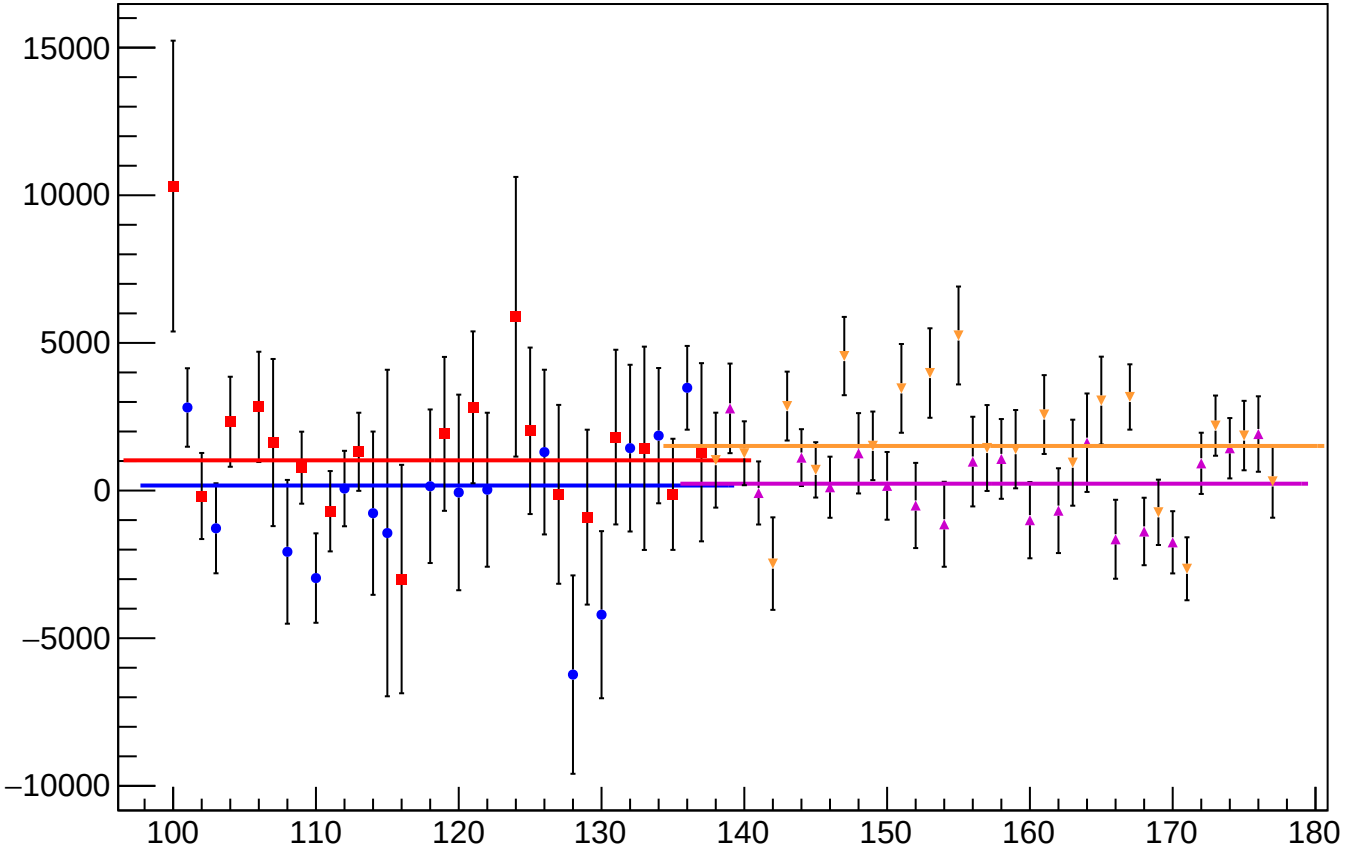
Left In: 1098.018+/-0.200 χ^2/NDF:622837.3/18

+ sign 1147.432+/-0.170 χ^2/NDF: 2226264.7/36

All: 1139.671+/-0.121 χ^2/NDF: 4367070.8/74

- sign 1131.827+/-0.171 χ^2/NDF: 2136637.5/37

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1510.578+/-272.564 χ^2/NDF:48.3/20

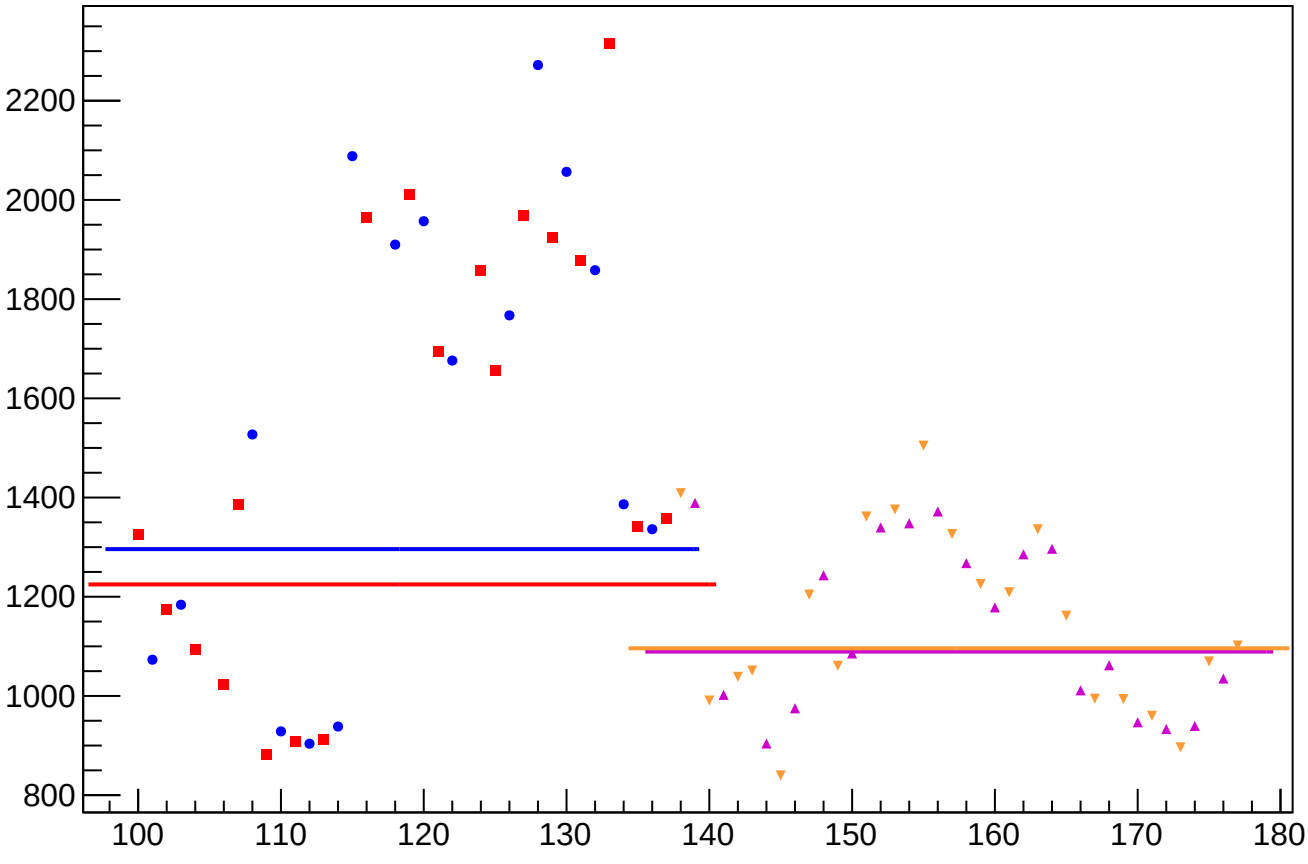
Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: 232.533+/-280.149 χ^2/NDF:19.3/18

+ sign 1208.519+/-239.872 χ^2/NDF: 76.4/36

All: 825.242+/-169.981 χ^2/NDF: 114.4/74

- sign 438.635+/-240.911 χ^2/NDF: 32.9/37



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1096.103+/-0.193 χ^2/NDF:803411.8/20

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

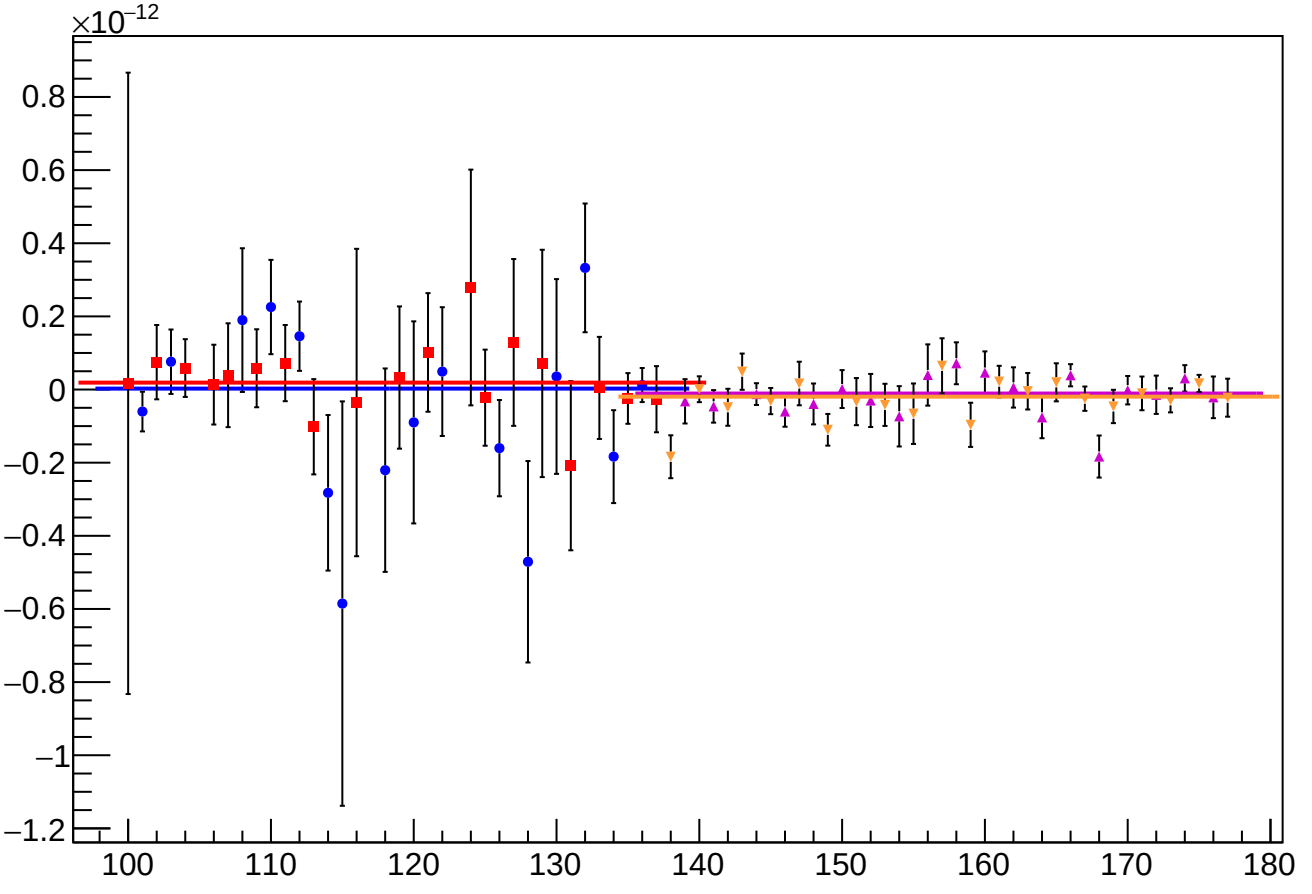
Left In: 1089.477+/-0.198 χ^2/NDF:658872.7/18

+ sign 1141.176+/-0.170 χ^2/NDF: 2200142.4/36

All: 1132.998+/-0.120 χ^2/NDF: 4356665.6/74

- sign 1124.748+/-0.170 χ^2/NDF: 2151852.7/37

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

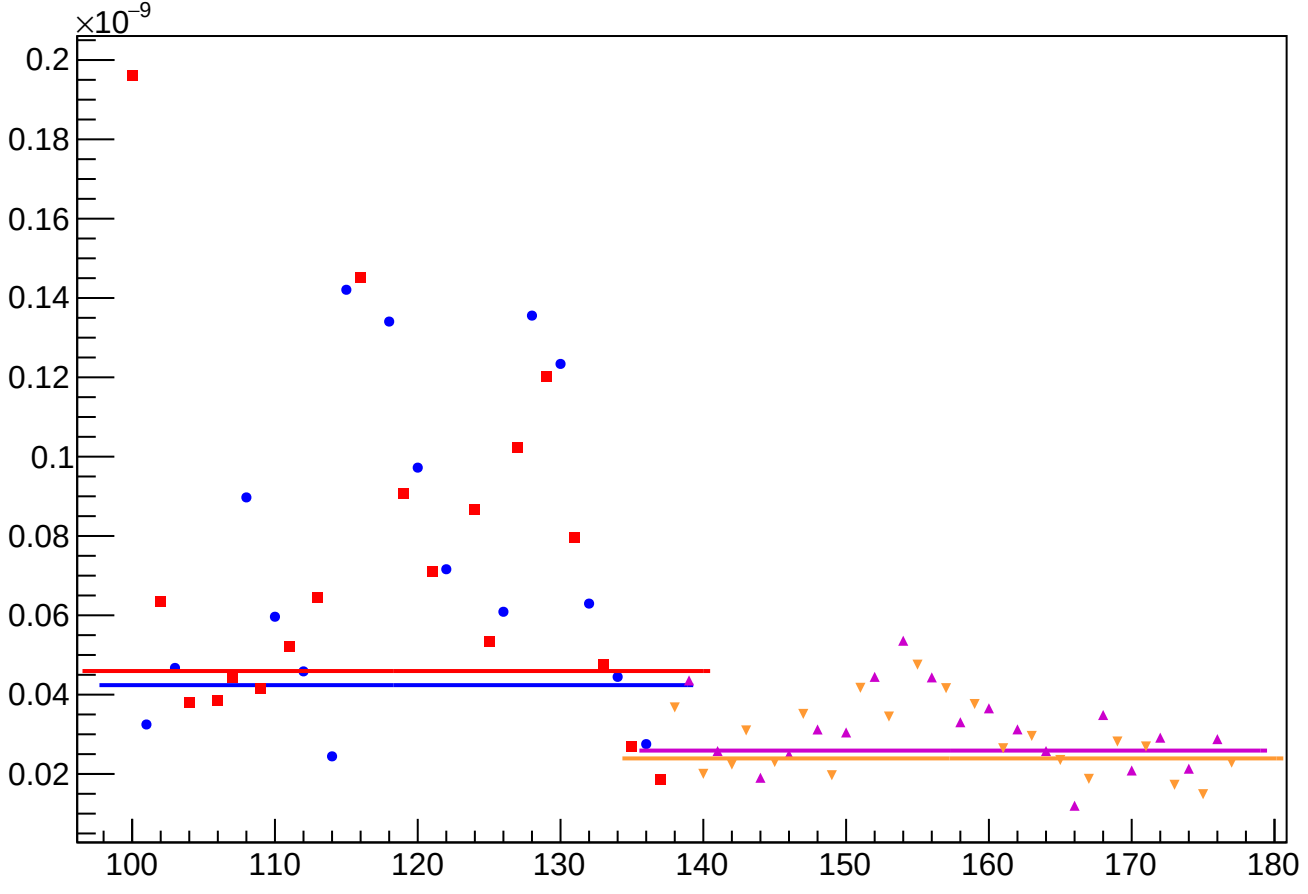
Left In: -0.000+/-0.000 χ^2/NDF:21.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/36

All: -0.000+/-0.000 χ^2/NDF: 73.2/74

- sign -0.000+/-0.000 χ^2/NDF: 26.7/37

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340978.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

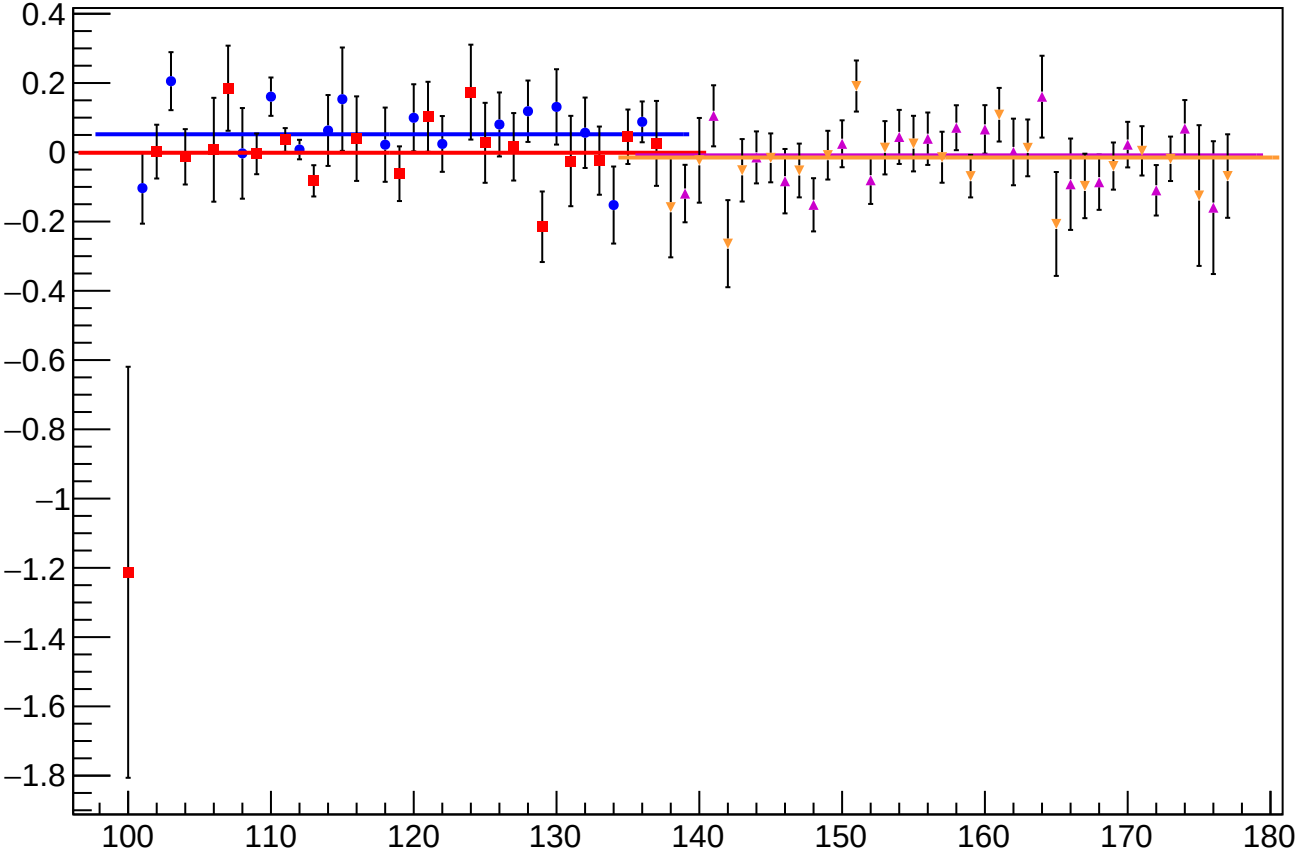
Left In: 0.000+/-0.000 χ^2/NDF:1429944.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 3523659.6/36

All: 0.000+/-0.000 χ^2/NDF: 6978131.9/74

- sign 0.000+/-0.000 χ^2/NDF: 3392490.0/37

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: -0.015+/-0.018 χ^2/NDF:20.1/20

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

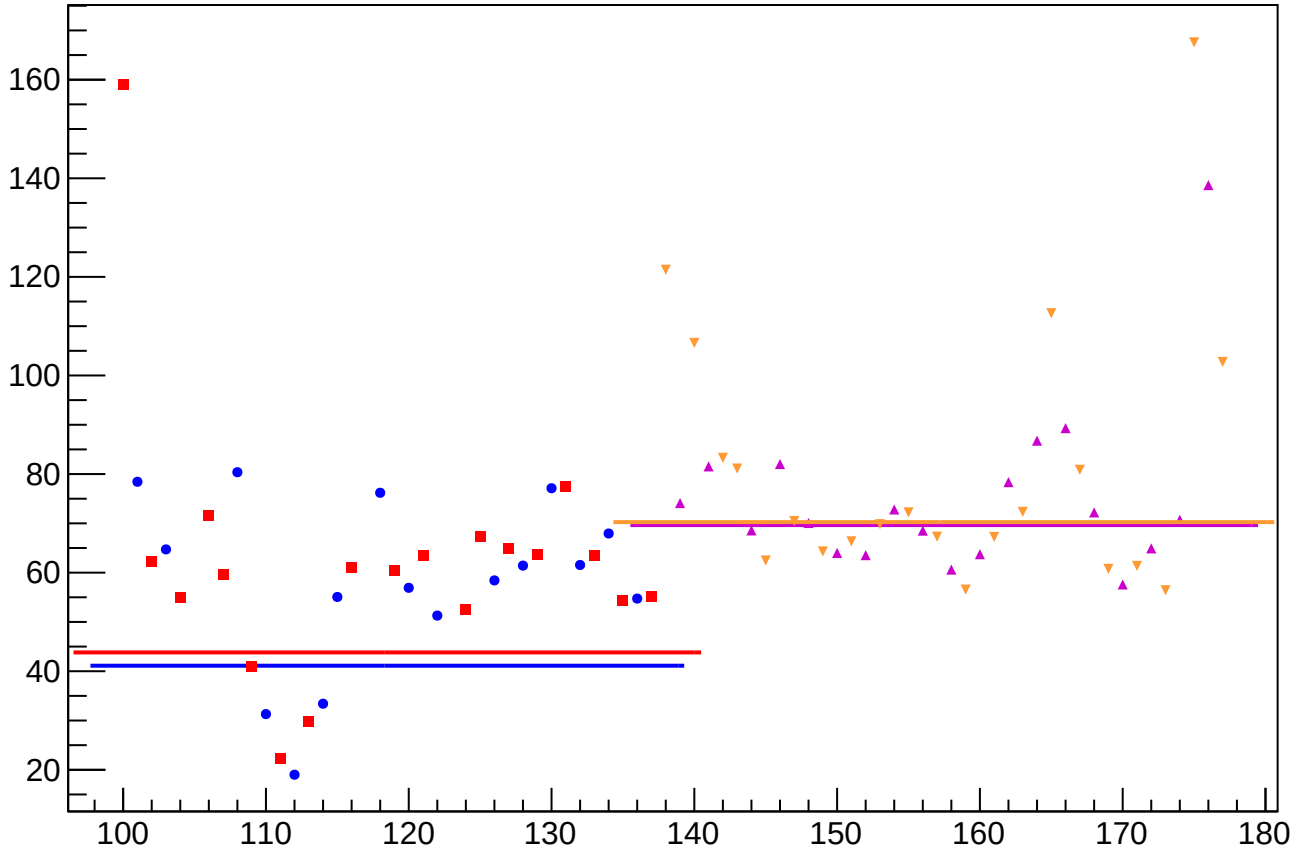
Left In: -0.009+/-0.018 χ^2/NDF:19.5/18

+ sign 0.019+/-0.013 χ^2/NDF: 45.0/36

All: 0.007+/-0.009 χ^2/NDF: 85.6/74

- sign -0.005+/-0.013 χ^2/NDF: 38.8/37

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: 70.253+/-0.013 χ^2/NDF:1582434.5/20

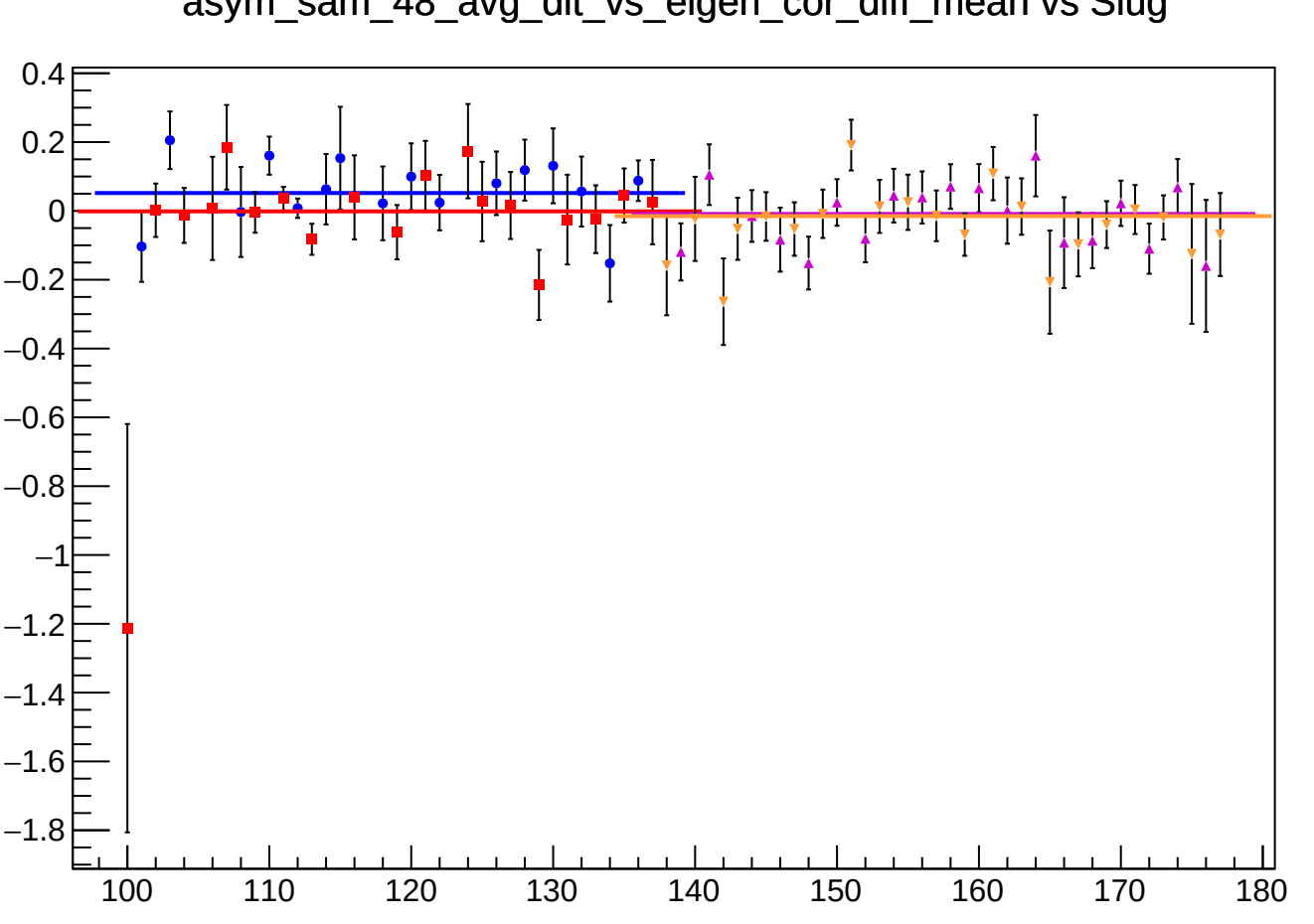
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.649+/-0.013 χ^2/NDF:604225.6/18

+ sign 55.416+/-0.009 χ^2/NDF: 7144999.6/36

All: 55.880+/-0.006 χ^2/NDF: 11819588.5/74

- sign 56.356+/-0.009 χ^2/NDF: 4669173.2/37



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.1/20

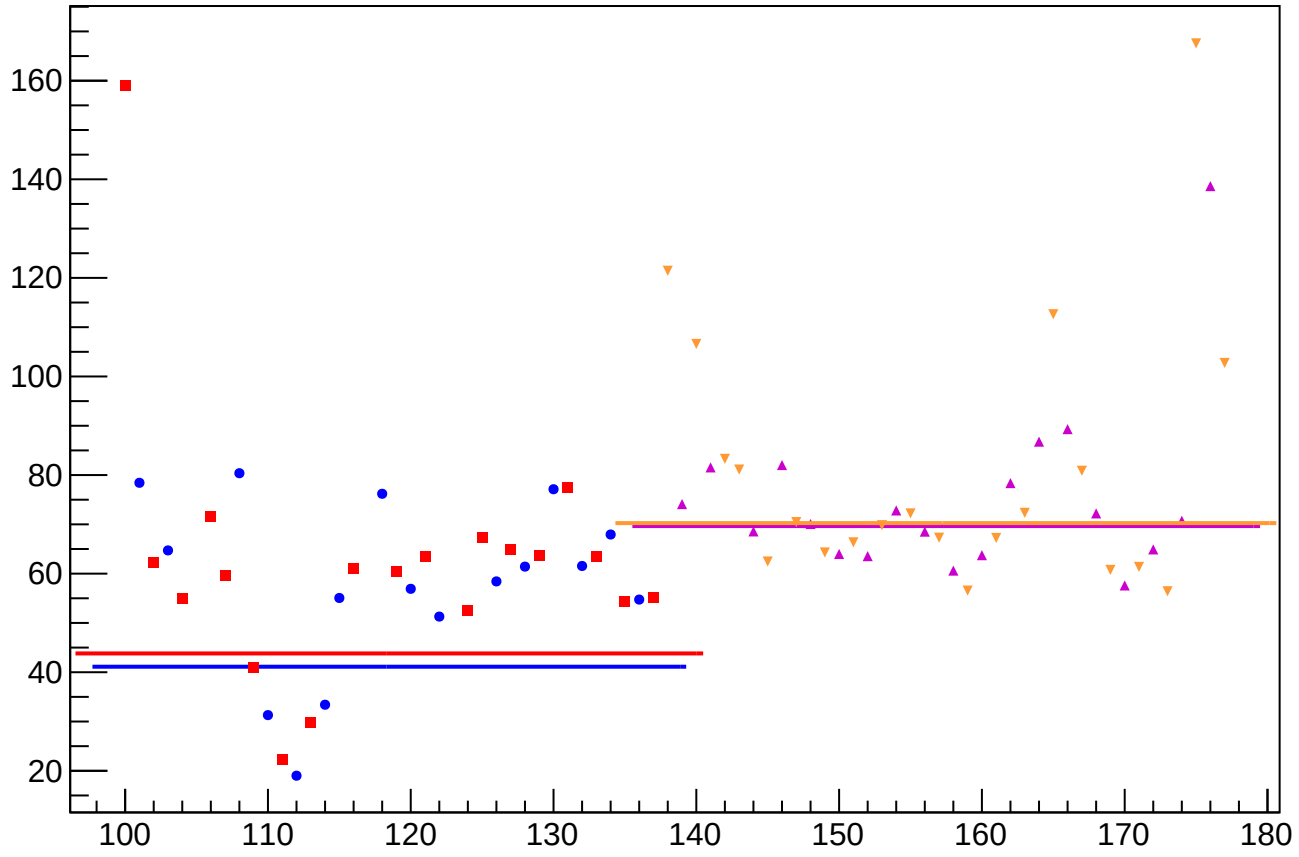
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.009+/-0.018 χ^2/NDF:19.5/18

+ sign 0.019+/-0.013 χ^2/NDF: 45.0/36

All: 0.007+/-0.009 χ^2/NDF: 85.6/74

- sign -0.005+/-0.013 χ^2/NDF: 38.8/37



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.253+/-0.013 χ^2/NDF:1582434.5/20

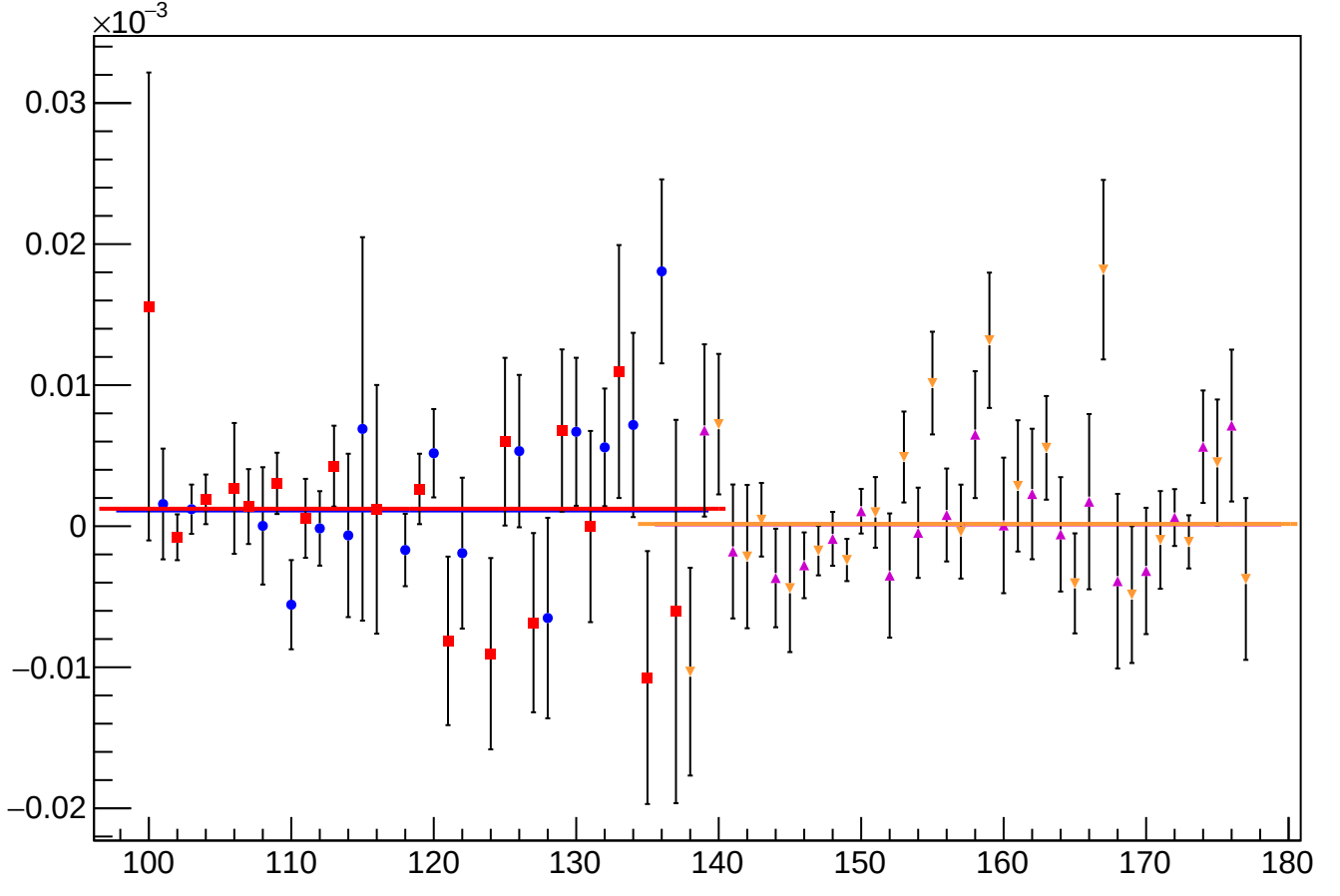
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.649+/-0.013 χ^2/NDF:604225.6/18

+ sign 55.416+/-0.009 χ^2/NDF: 7144999.6/36

All: 55.880+/-0.006 χ^2/NDF: 11819588.5/74

- sign 56.356+/-0.009 χ^2/NDF: 4669173.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.5/20

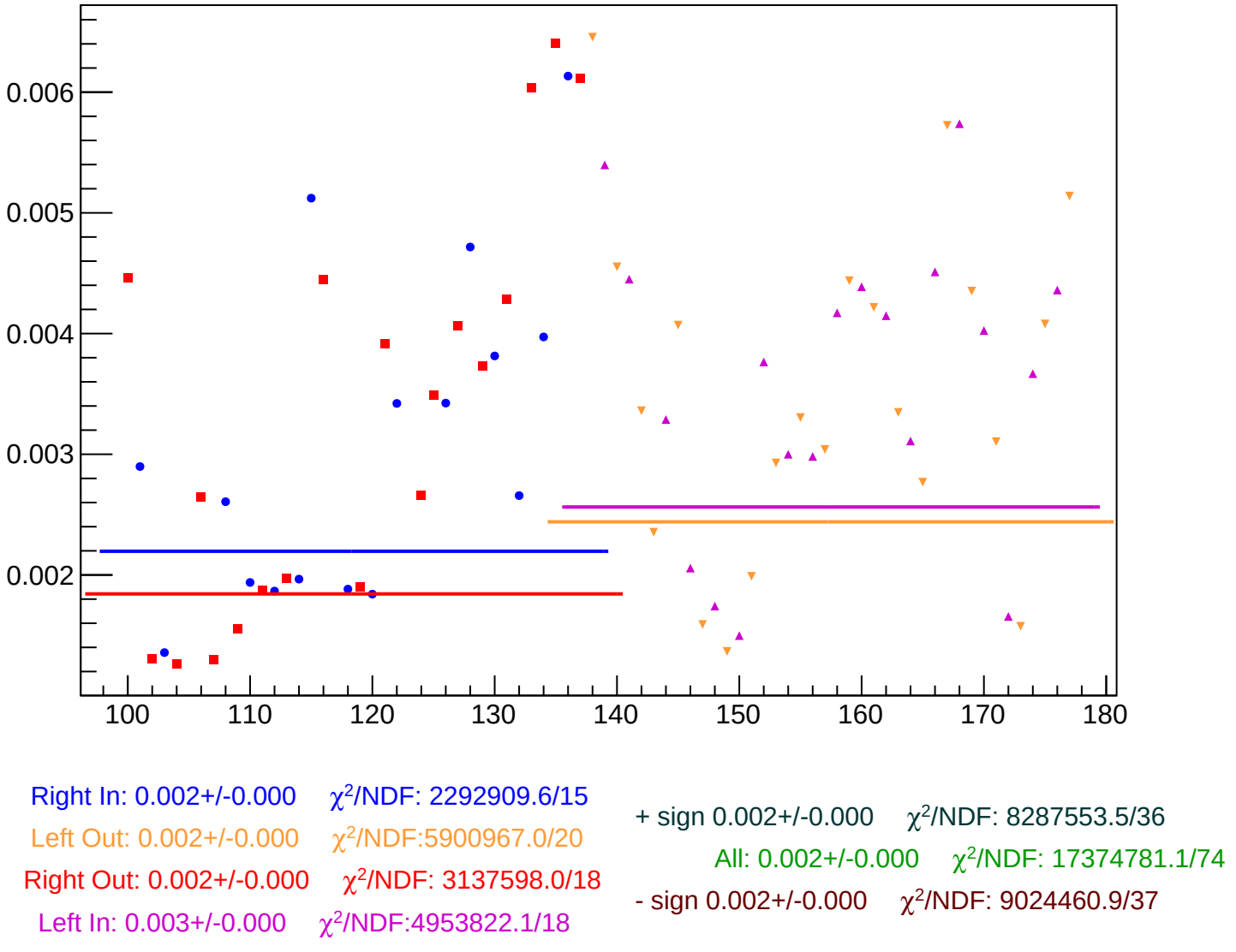
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

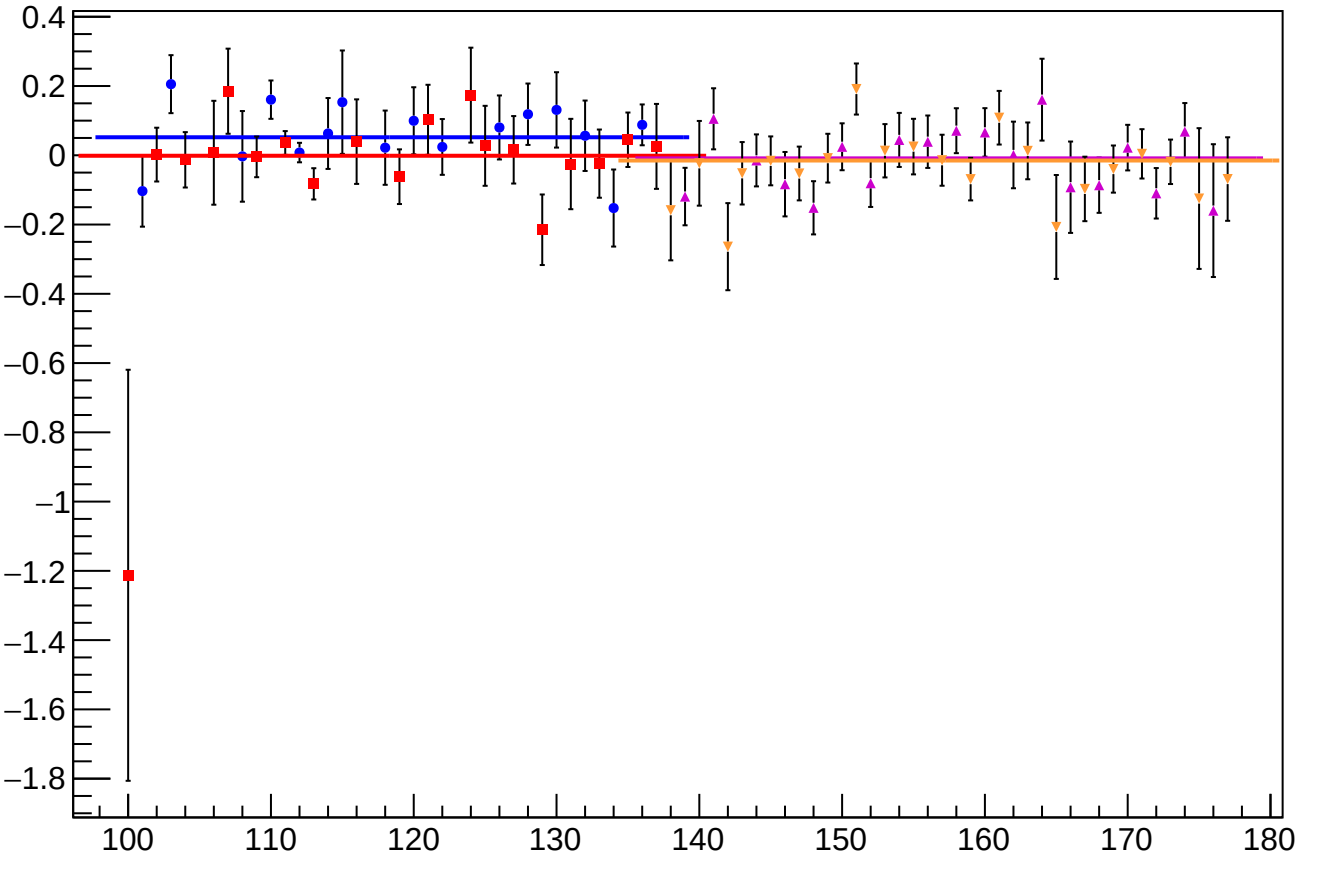
Left In: 0.000+/-0.000 χ^2/NDF:12.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 62.2/36

All: 0.000+/-0.000 χ^2/NDF: 91.7/74

- sign 0.000+/-0.000 χ^2/NDF: 29.5/37


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
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:5900967.0/20
Right Out: 0.002+/-0.000 χ²/NDF: 3137598.0/18
Left In: 0.003+/-0.000 χ²/NDF:4953822.1/18
+ sign 0.002+/-0.000 χ²/NDF: 8287553.5/36
All: 0.002+/-0.000 χ²/NDF: 17374781.1/74
- sign 0.002+/-0.000 χ²/NDF: 9024460.9/37



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.1/20

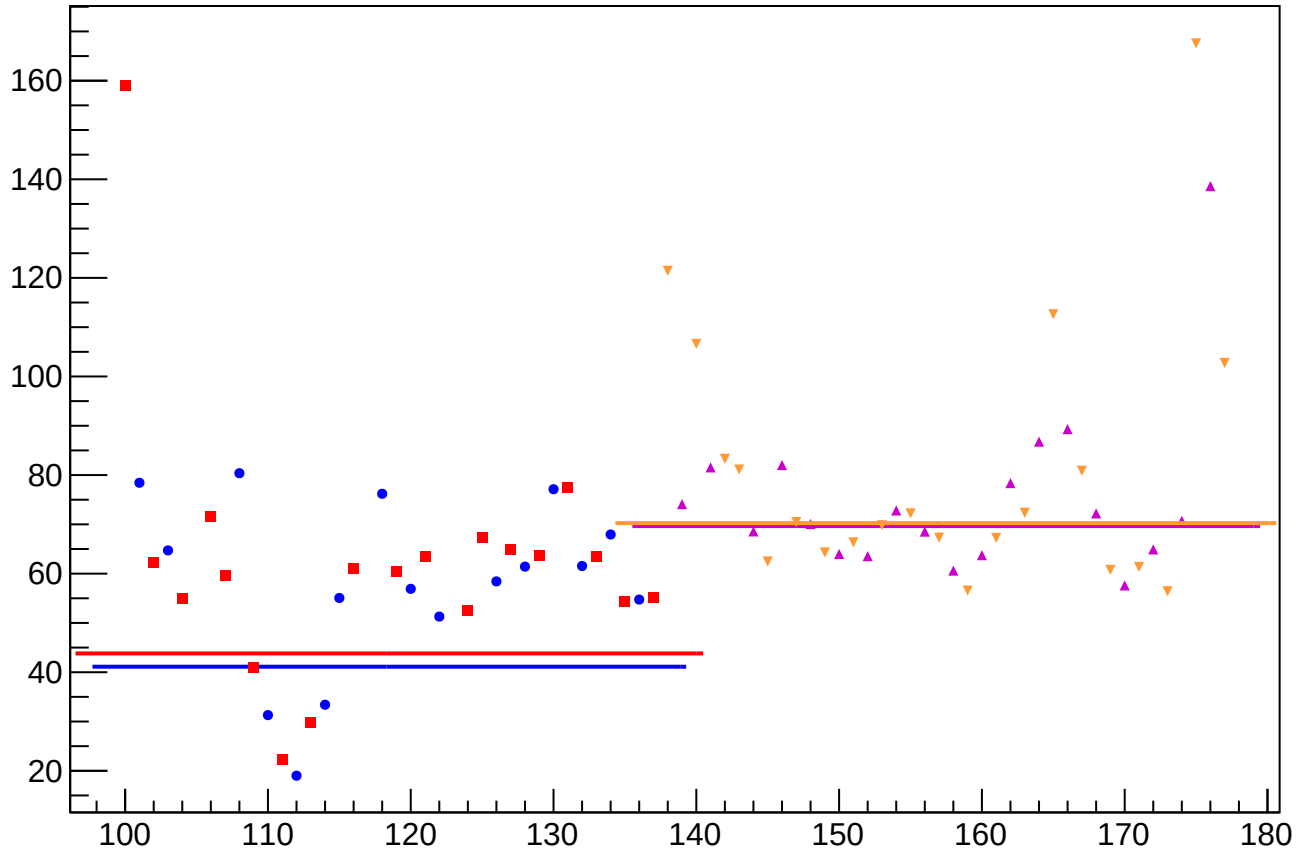
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.009+/-0.018 χ^2/NDF:19.5/18

+ sign 0.019+/-0.013 χ^2/NDF: 45.0/36

All: 0.007+/-0.009 χ^2/NDF: 85.6/74

- sign -0.005+/-0.013 χ^2/NDF: 38.8/37



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.254+/-0.013 χ^2/NDF:1582383.0/20

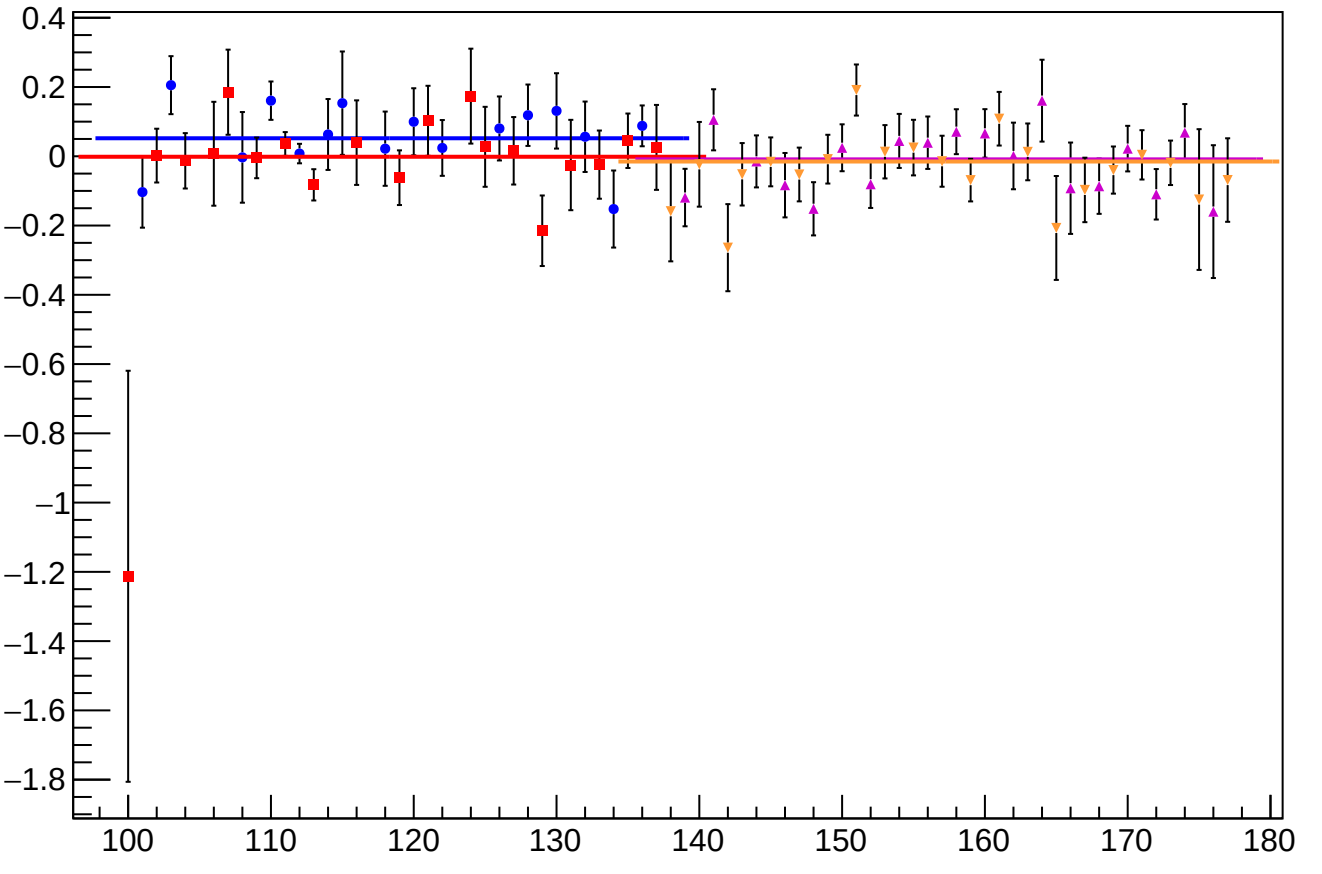
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.650+/-0.013 χ^2/NDF:604203.5/18

+ sign 55.416+/-0.009 χ^2/NDF: 7145402.3/36

All: 55.879+/-0.006 χ^2/NDF: 11820385.8/74

- sign 56.356+/-0.009 χ^2/NDF: 4669567.1/37



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.1/20

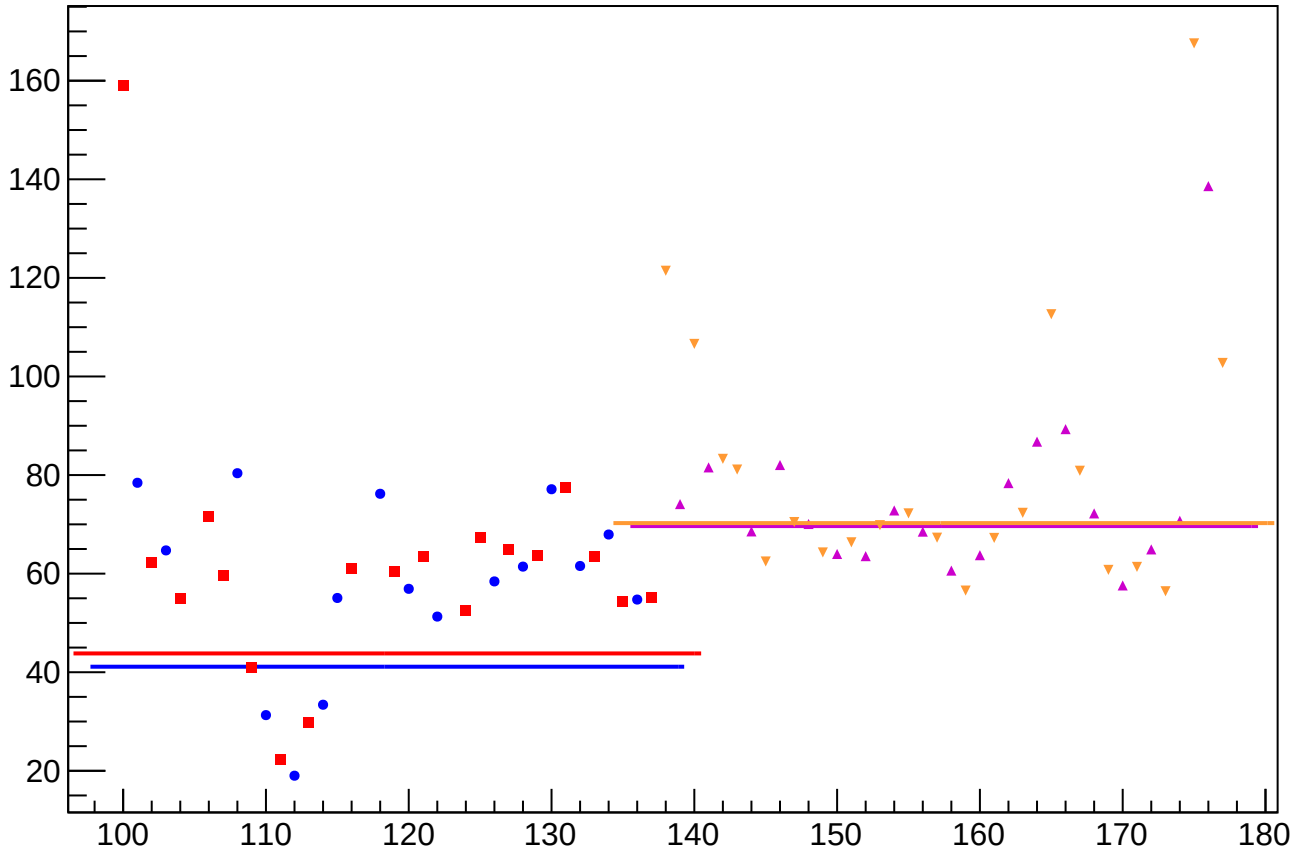
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.009+/-0.018 χ^2/NDF:19.5/18

+ sign 0.019+/-0.013 χ^2/NDF: 45.0/36

All: 0.007+/-0.009 χ^2/NDF: 85.6/74

- sign -0.005+/-0.013 χ^2/NDF: 38.8/37



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.254+/-0.013 χ^2/NDF:1582383.0/20

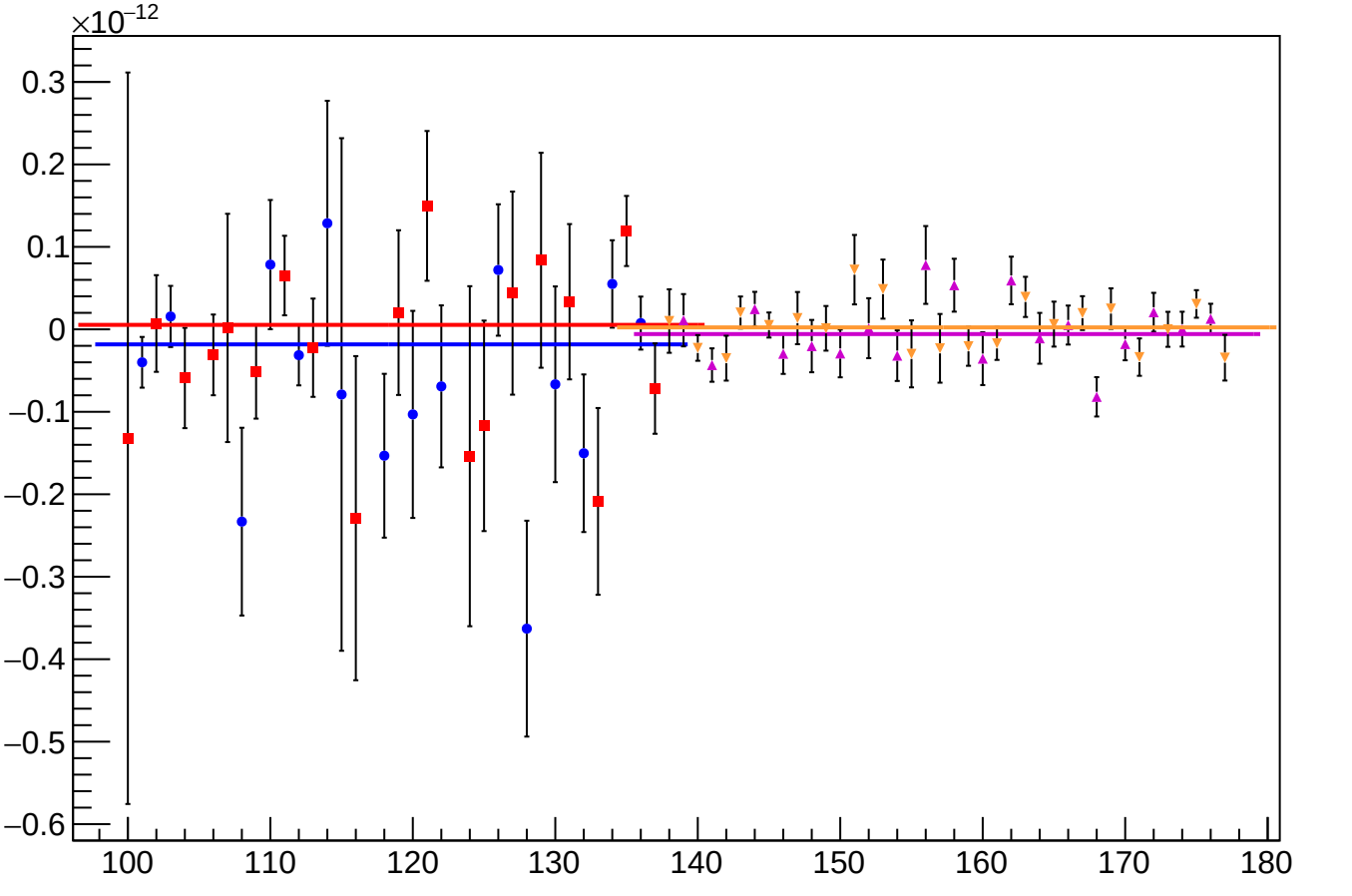
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.650+/-0.013 χ^2/NDF:604203.5/18

+ sign 55.416+/-0.009 χ^2/NDF: 7145402.3/36

All: 55.879+/-0.006 χ^2/NDF: 11820385.8/74

- sign 56.356+/-0.009 χ^2/NDF: 4669567.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/20

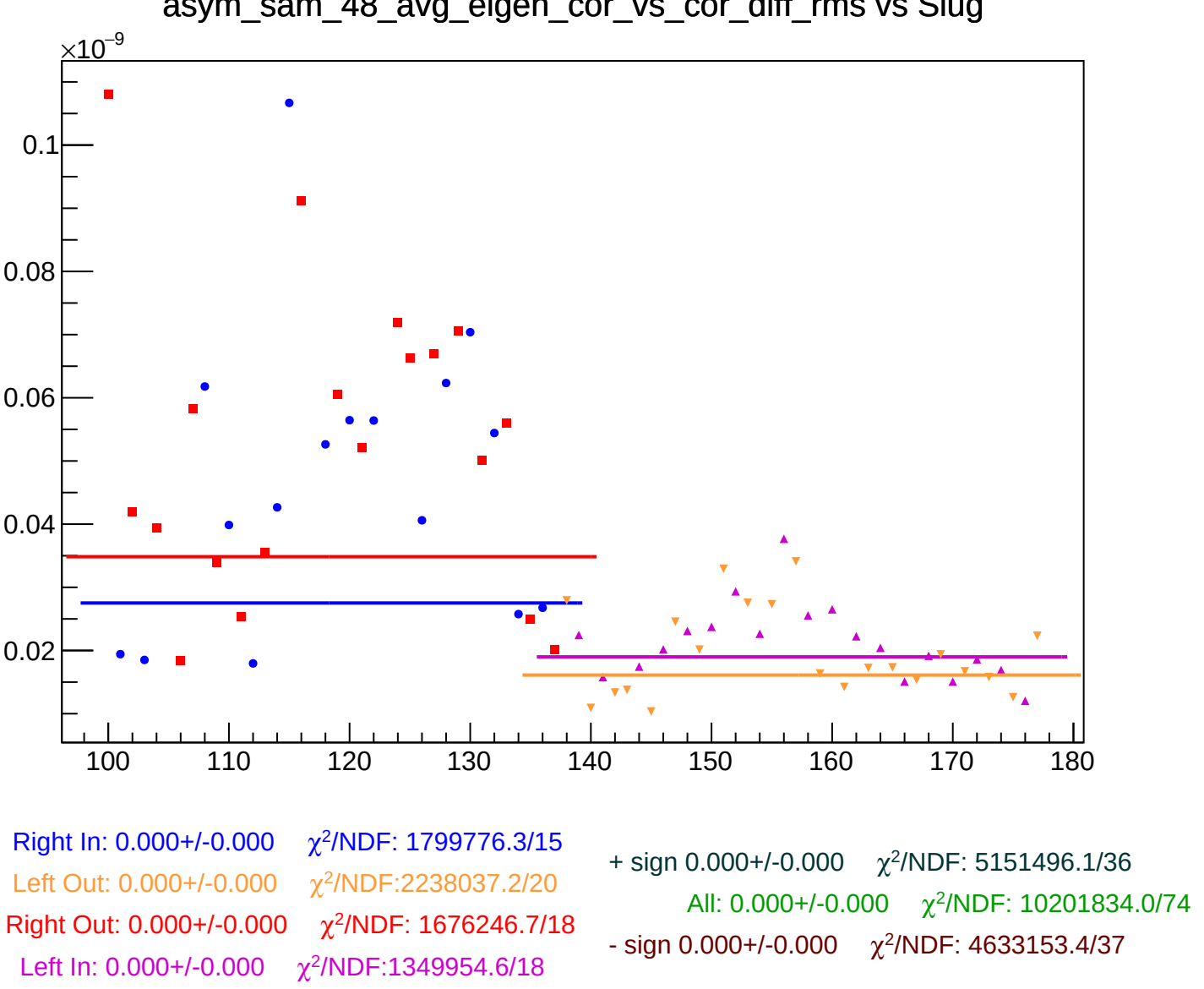
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:34.1/18

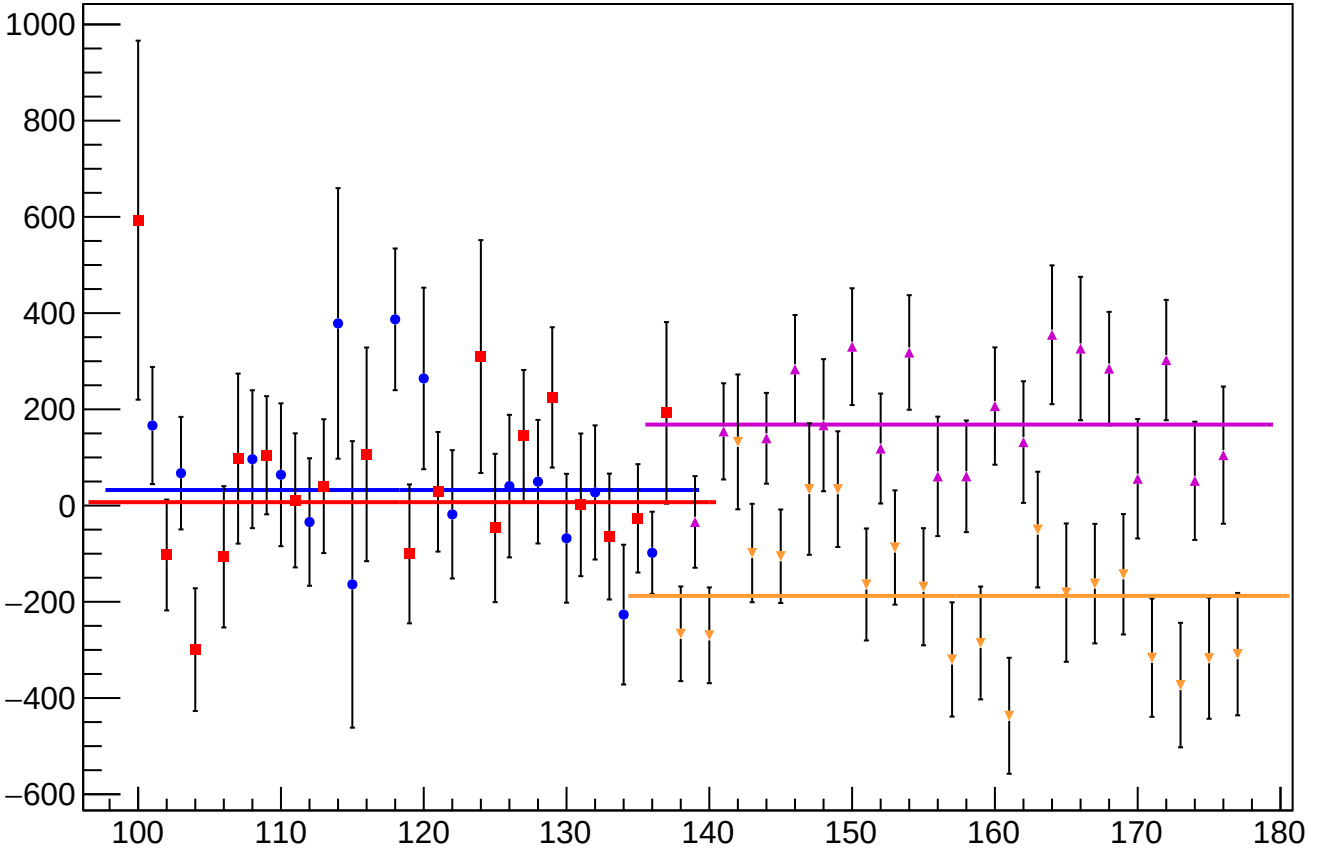
+ sign 0.000+/-0.000 χ^2/NDF: 48.7/36

All: -0.000+/-0.000 χ^2/NDF: 106.9/74

- sign -0.000+/-0.000 χ^2/NDF: 57.8/37


asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1799776.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2238037.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 1676246.7/18
Left In: 0.000+/-0.000 χ²/NDF:1349954.6/18
+ sign 0.000+/-0.000 χ²/NDF: 5151496.1/36
All: 0.000+/-0.000 χ²/NDF: 10201834.0/74
- sign 0.000+/-0.000 χ²/NDF: 4633153.4/37

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -187.693+/-25.811 χ^2/NDF:27.6/20

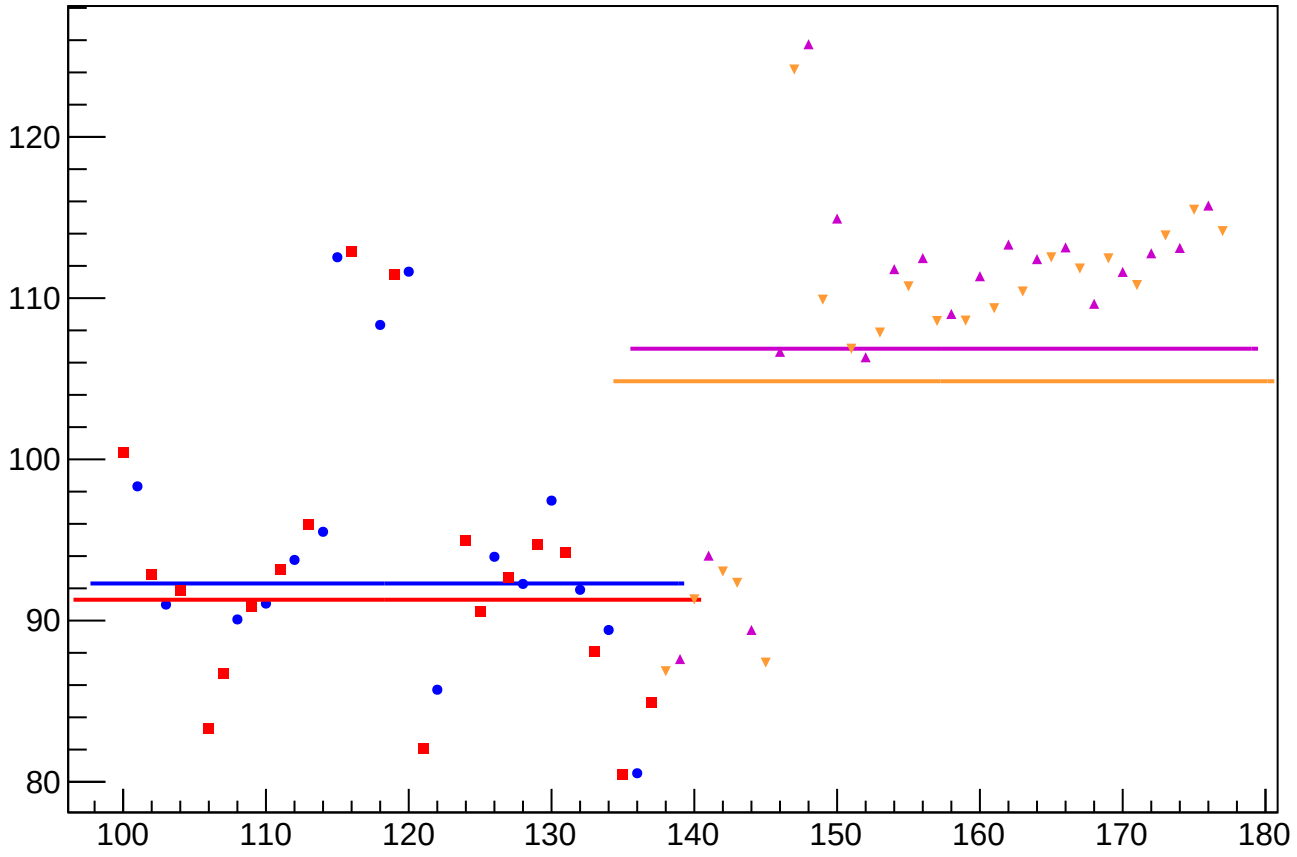
Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 168.342+/-27.242 χ^2/NDF:17.9/18

+ sign -108.538+/-20.652 χ^2/NDF: 71.1/36

All: -4.648+/-14.764 χ^2/NDF: 172.5/74

- sign 103.960+/-21.116 χ^2/NDF: 49.6/37



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.846+/-0.018 χ^2/NDF:332718.4/20

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

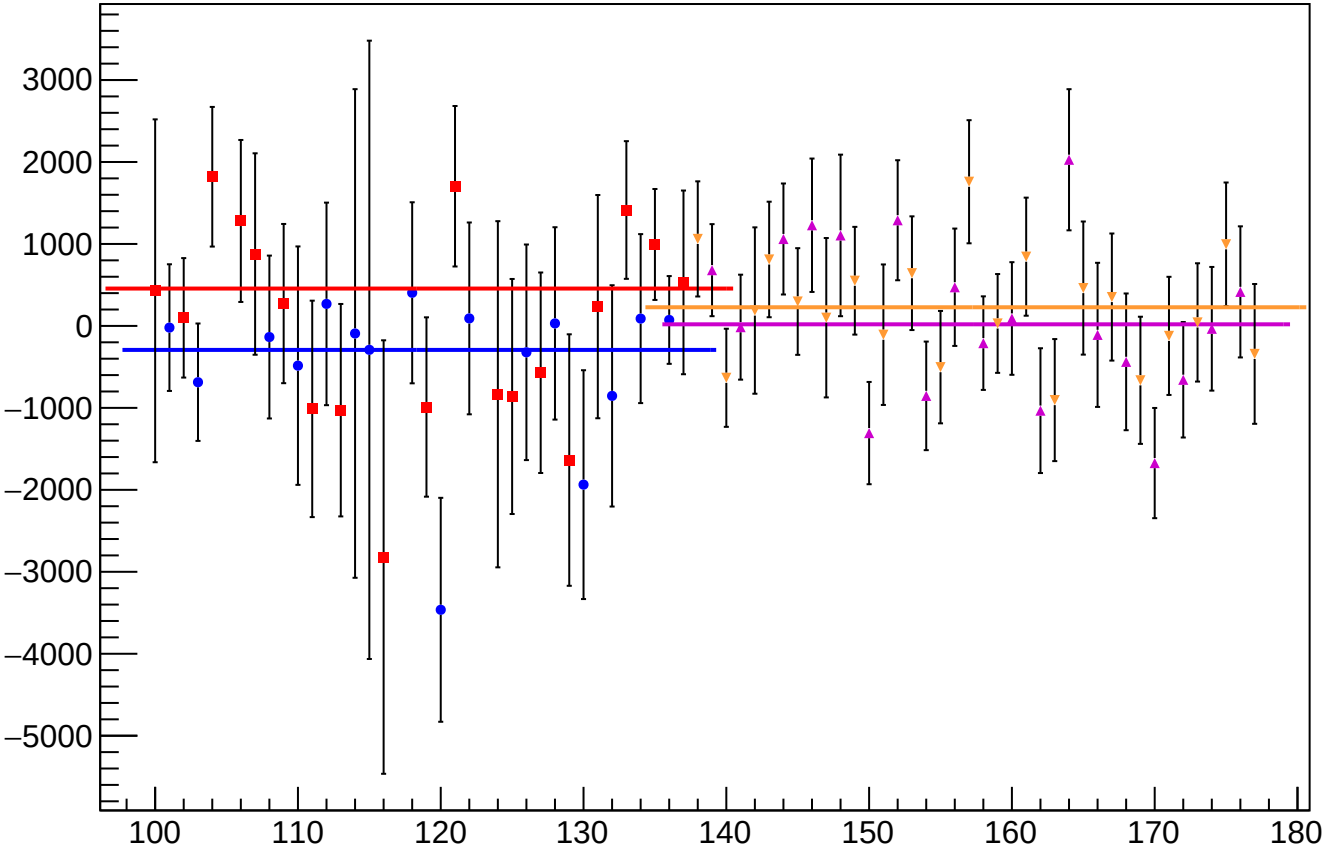
Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

+ sign 100.333+/-0.015 χ^2/NDF: 609737.1/36

All: 100.487+/-0.010 χ^2/NDF: 1249738.8/74

- sign 100.648+/-0.015 χ^2/NDF: 639773.8/37

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 227.542+/-159.764 χ^2/NDF:16.6/20

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

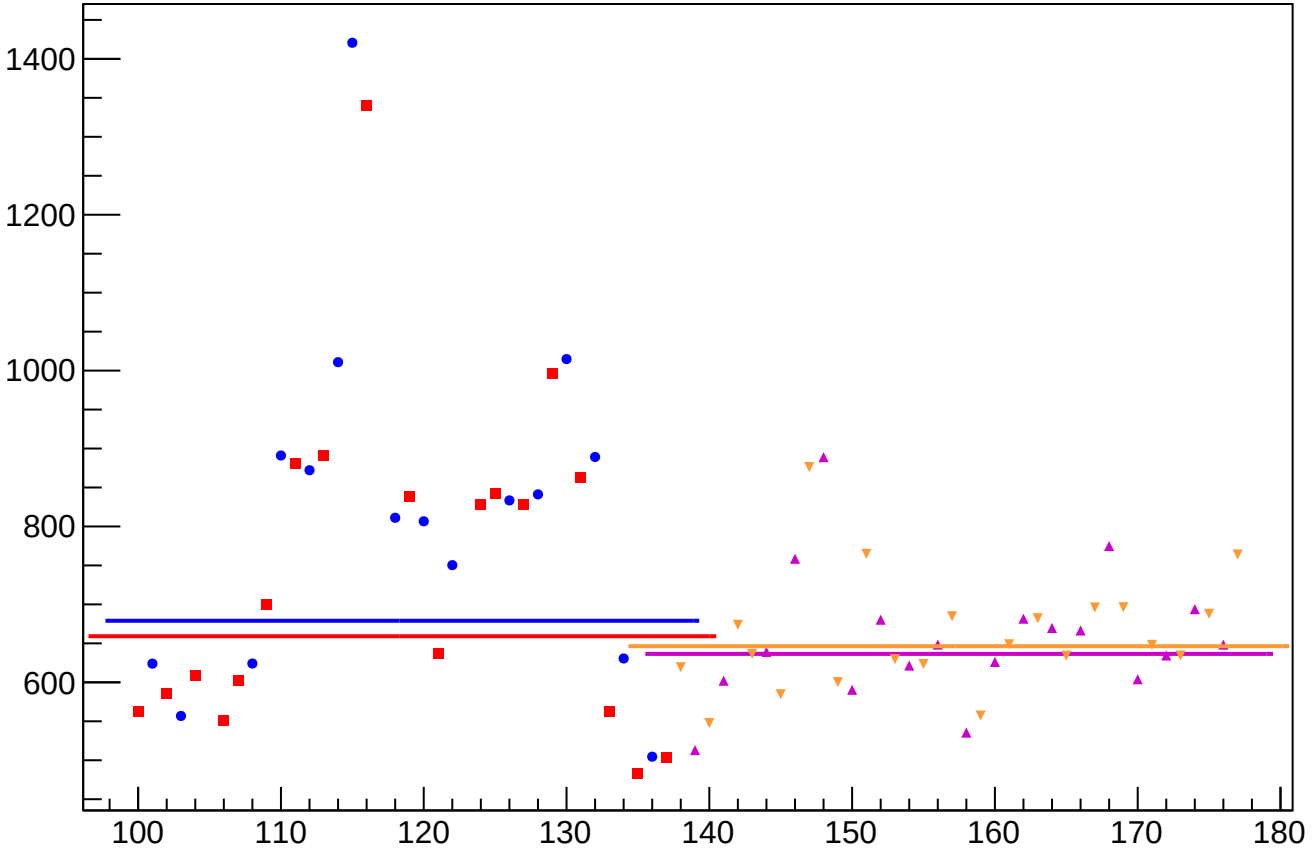
Left In: 19.544+/-163.224 χ^2/NDF:32.2/18

+ sign 84.688+/-136.075 χ^2/NDF: 28.3/36

All: 117.690+/-96.356 χ^2/NDF: 79.6/74

- sign 150.880+/-136.462 χ^2/NDF: 51.2/37

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 646.368+/-0.113 χ^2/NDF:355481.2/20

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

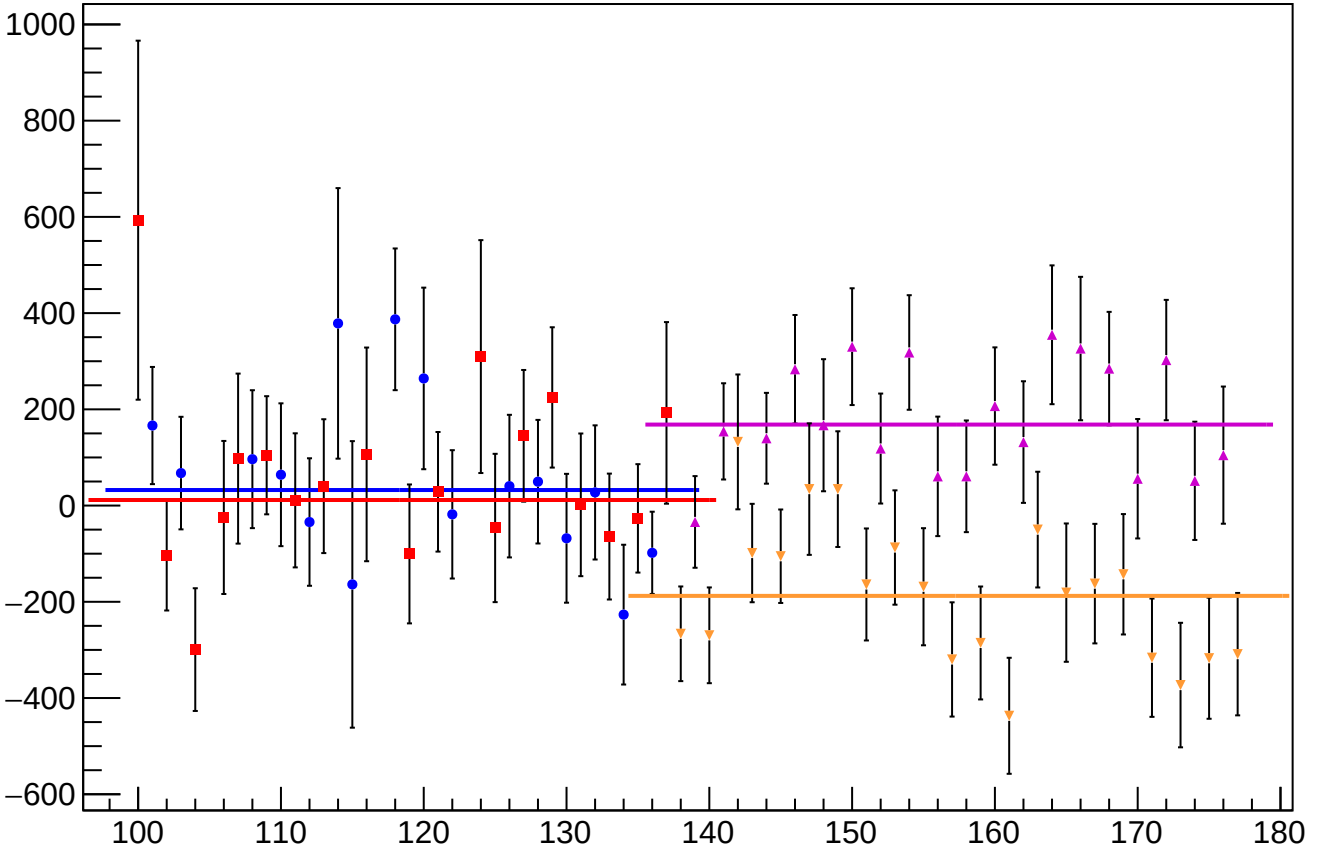
Left In: 636.475+/-0.115 χ^2/NDF:445540.8/18

\+ sign 655.328+/-0.096 χ^2/NDF: 1146377.4/36

All: 649.329+/-0.068 χ^2/NDF: 2407195.0/74

\- sign 643.296+/-0.096 χ^2/NDF: 1253020.6/37

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -187.692+/-25.811 χ^2/NDF:27.6/20

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

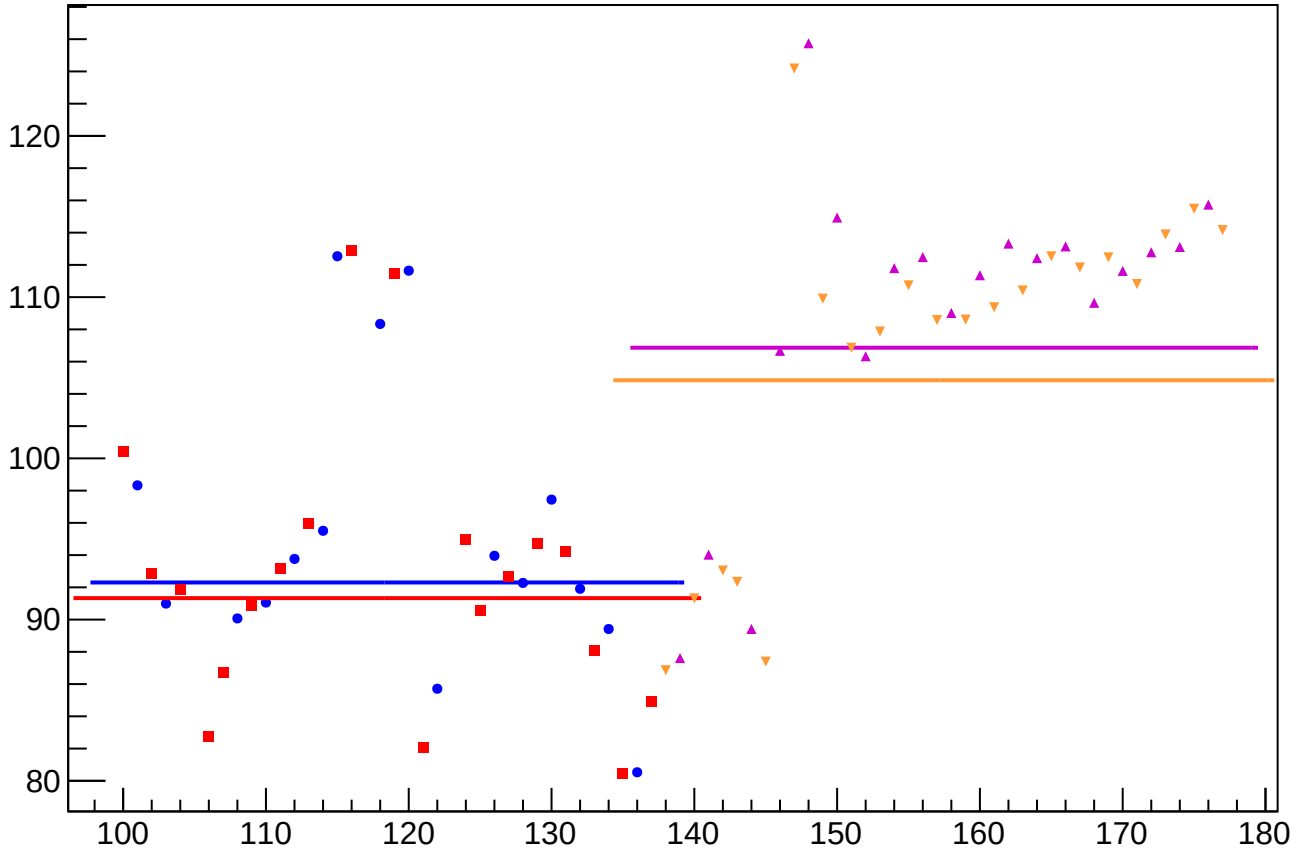
Left In: 168.346+/-27.242 χ^2/NDF:17.9/18

+ sign -108.532+/-20.652 χ^2/NDF: 71.1/36

All: -3.788+/-14.775 χ^2/NDF: 172.0/74

- sign 106.050+/-21.148 χ^2/NDF: 48.2/37

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.846+/-0.018 χ^2/NDF:332718.4/20

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

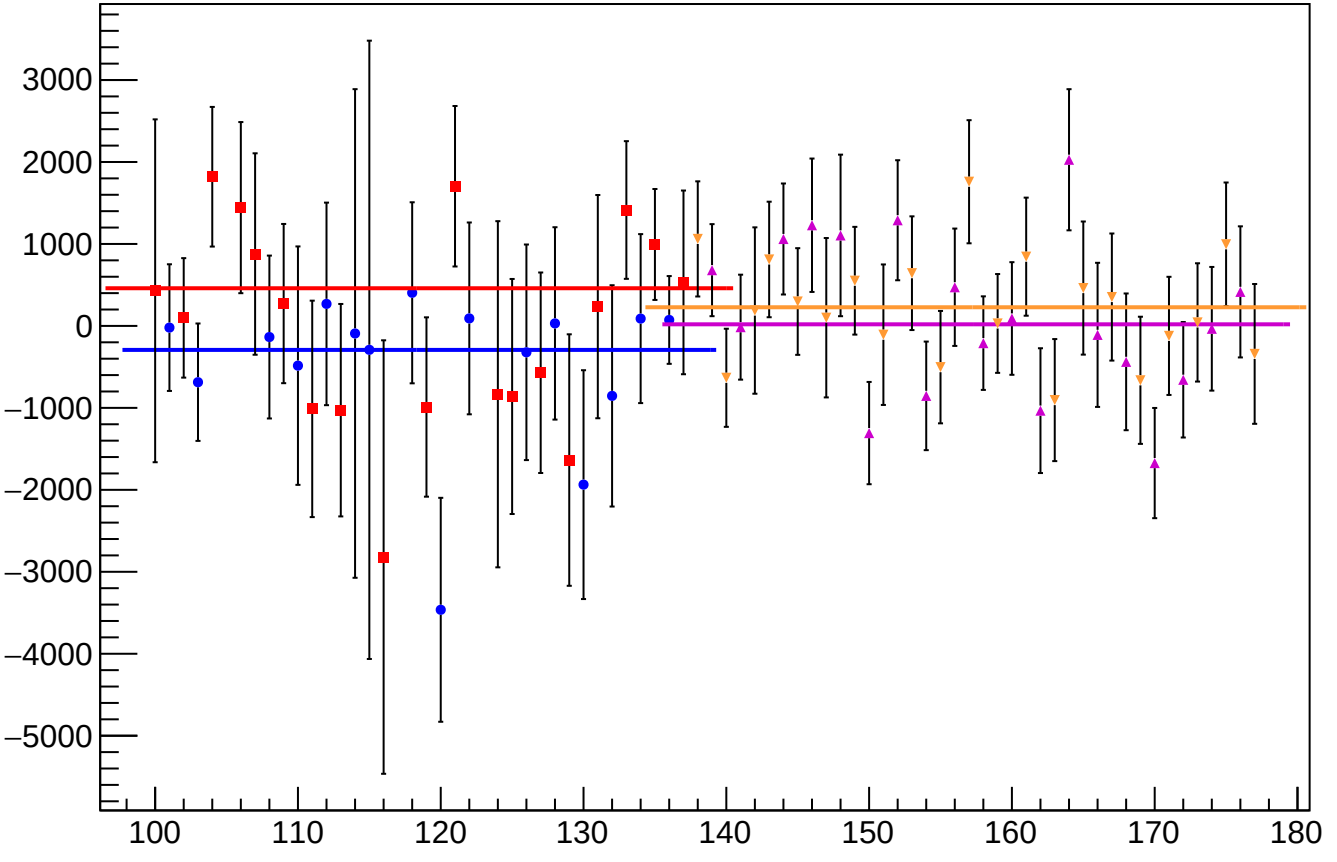
Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

+ sign 100.333+/-0.015 χ^2/NDF: 609737.0/36

All: 100.508+/-0.010 χ^2/NDF: 1247148.3/74

- sign 100.692+/-0.015 χ^2/NDF: 637116.0/37

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 227.539+/-159.764 χ^2/NDF:16.6/20

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

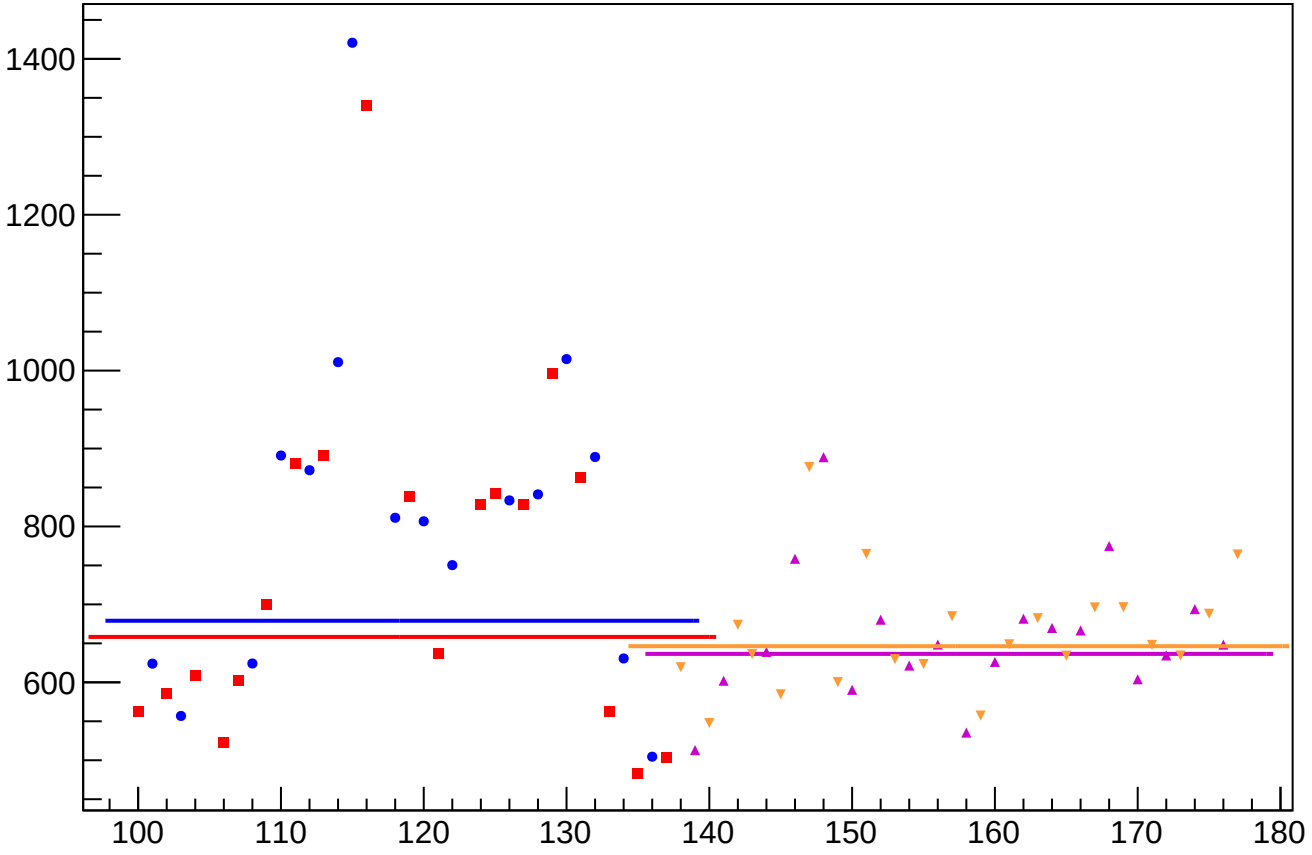
Left In: 19.547+/-163.224 χ^2/NDF:32.2/18

+ sign 84.687+/-136.075 χ^2/NDF: 28.3/36

All: 117.917+/-96.404 χ^2/NDF: 79.9/74

- sign 151.403+/-136.598 χ^2/NDF: 51.4/37

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 646.368+/-0.113 χ^2/NDF:355481.6/20

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

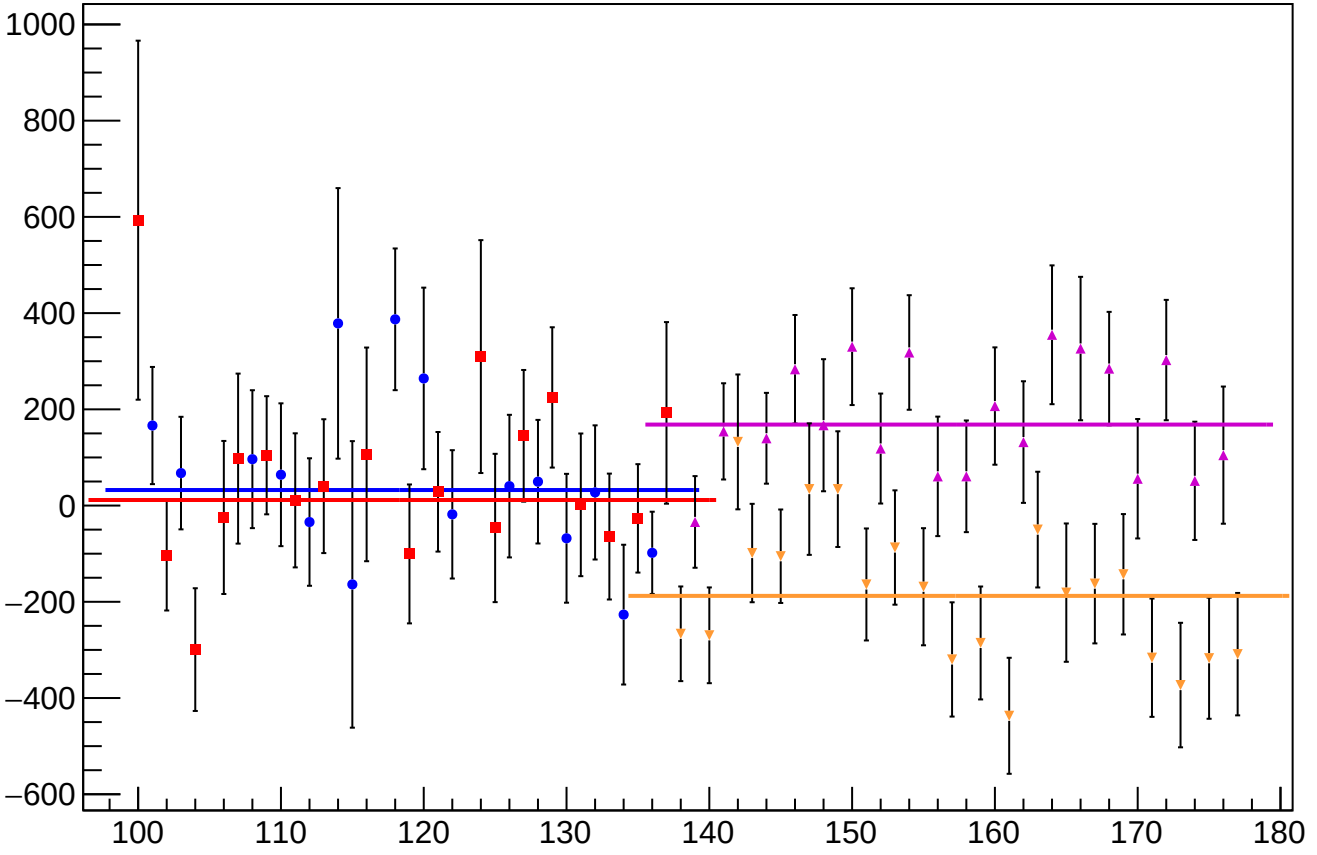
Left In: 636.475+/-0.115 χ^2/NDF:445541.5/18

+ sign 655.328+/-0.096 χ^2/NDF: 1146379.1/36

All: 649.189+/-0.068 χ^2/NDF: 2416668.5/74

- sign 643.003+/-0.097 χ^2/NDF: 1262116.7/37

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -187.692+/-25.811 χ^2/NDF:27.6/20

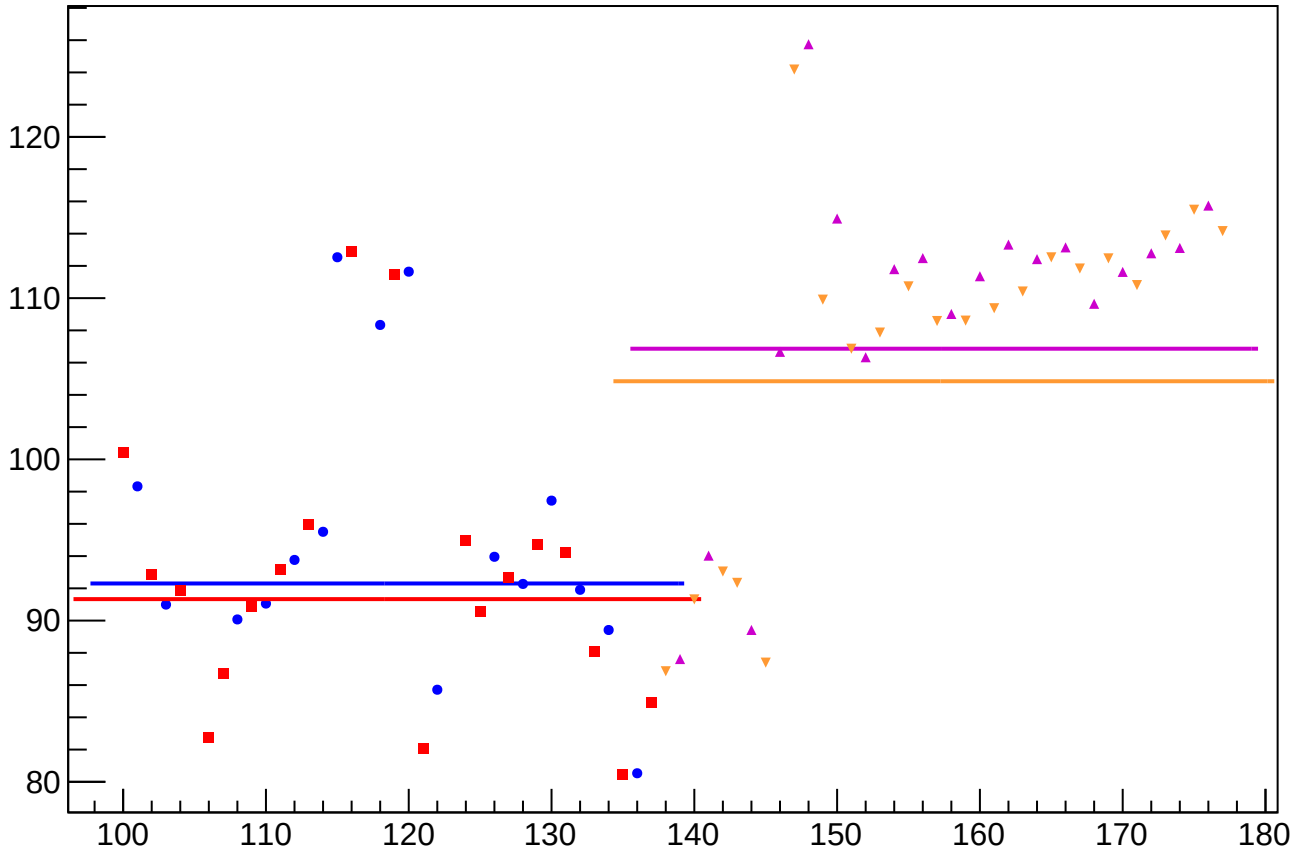
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 168.346+/-27.242 χ^2/NDF:17.9/18

+ sign -108.532+/-20.652 χ^2/NDF: 71.1/36

All: -3.788+/-14.775 χ^2/NDF: 172.0/74

- sign 106.050+/-21.148 χ^2/NDF: 48.2/37



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.846+/-0.018 χ^2/NDF:332718.4/20

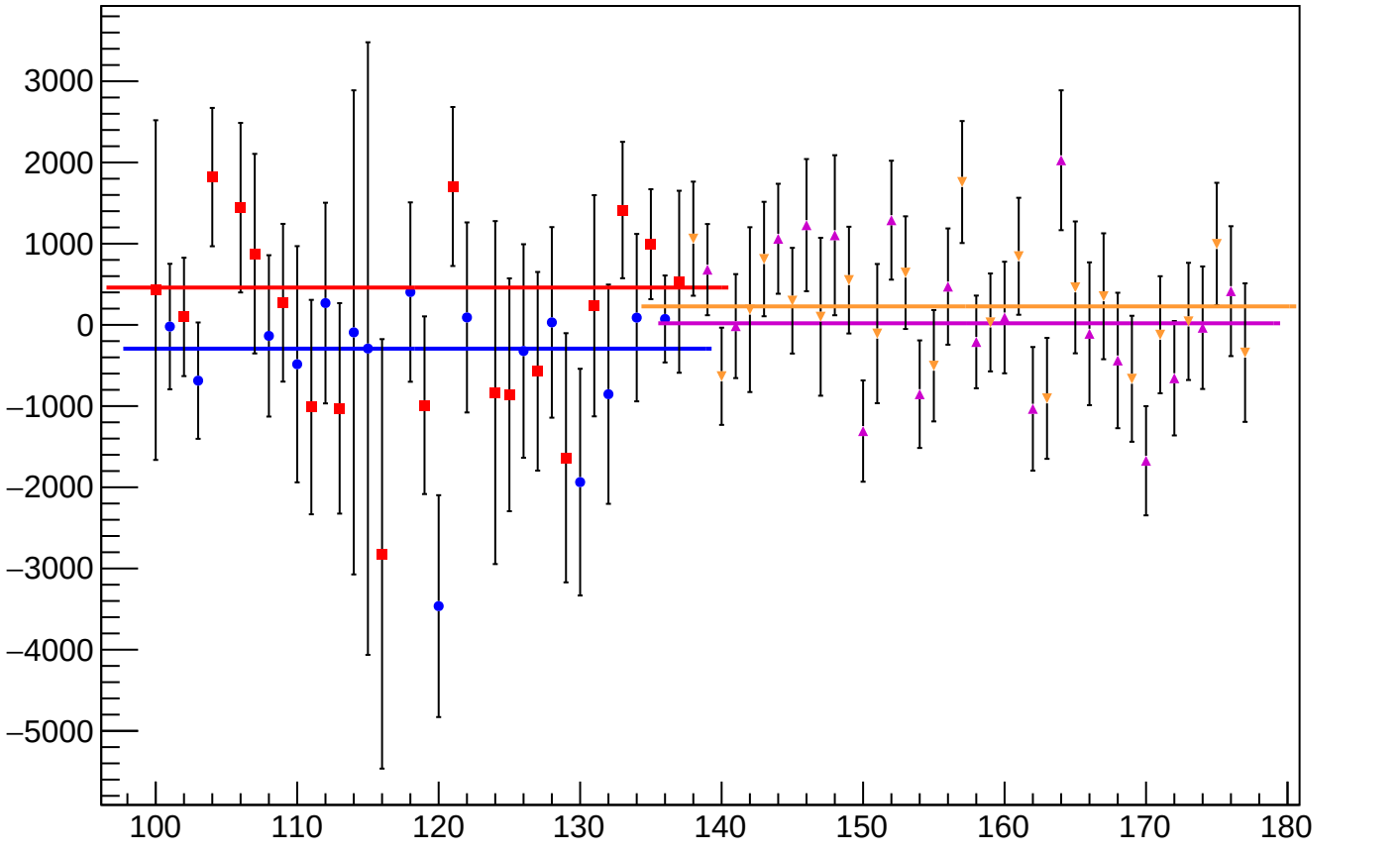
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

+ sign 100.333+/-0.015 χ^2/NDF: 609737.0/36

All: 100.508+/-0.010 χ^2/NDF: 1247148.3/74

- sign 100.692+/-0.015 χ^2/NDF: 637116.0/37



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 227.539+/-159.764 χ^2/NDF:16.6/20

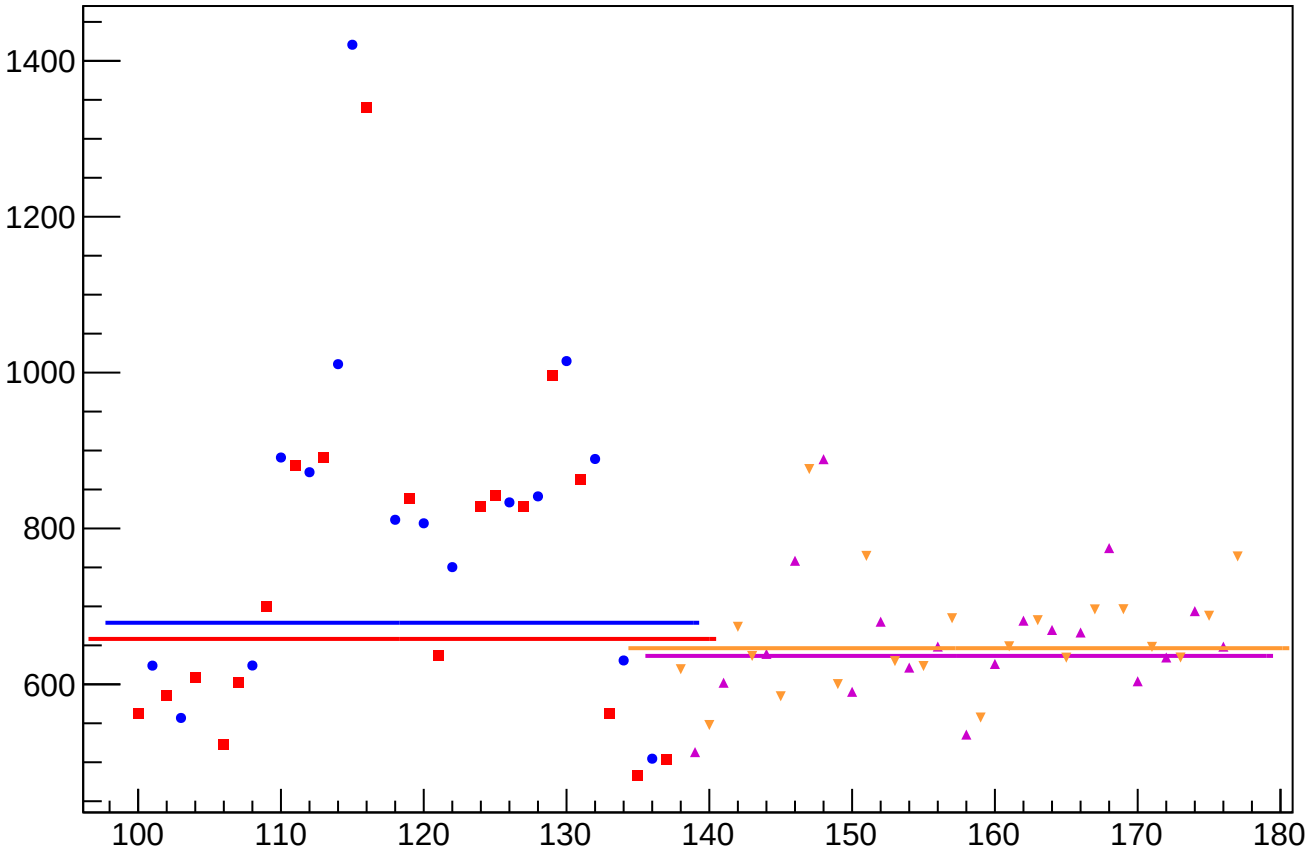
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 19.547+/-163.224 χ^2/NDF:32.2/18

+ sign 84.687+/-136.075 χ^2/NDF: 28.3/36

All: 117.917+/-96.404 χ^2/NDF: 79.9/74

- sign 151.403+/-136.598 χ^2/NDF: 51.4/37



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 646.368+/-0.113 χ^2/NDF:355481.6/20

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

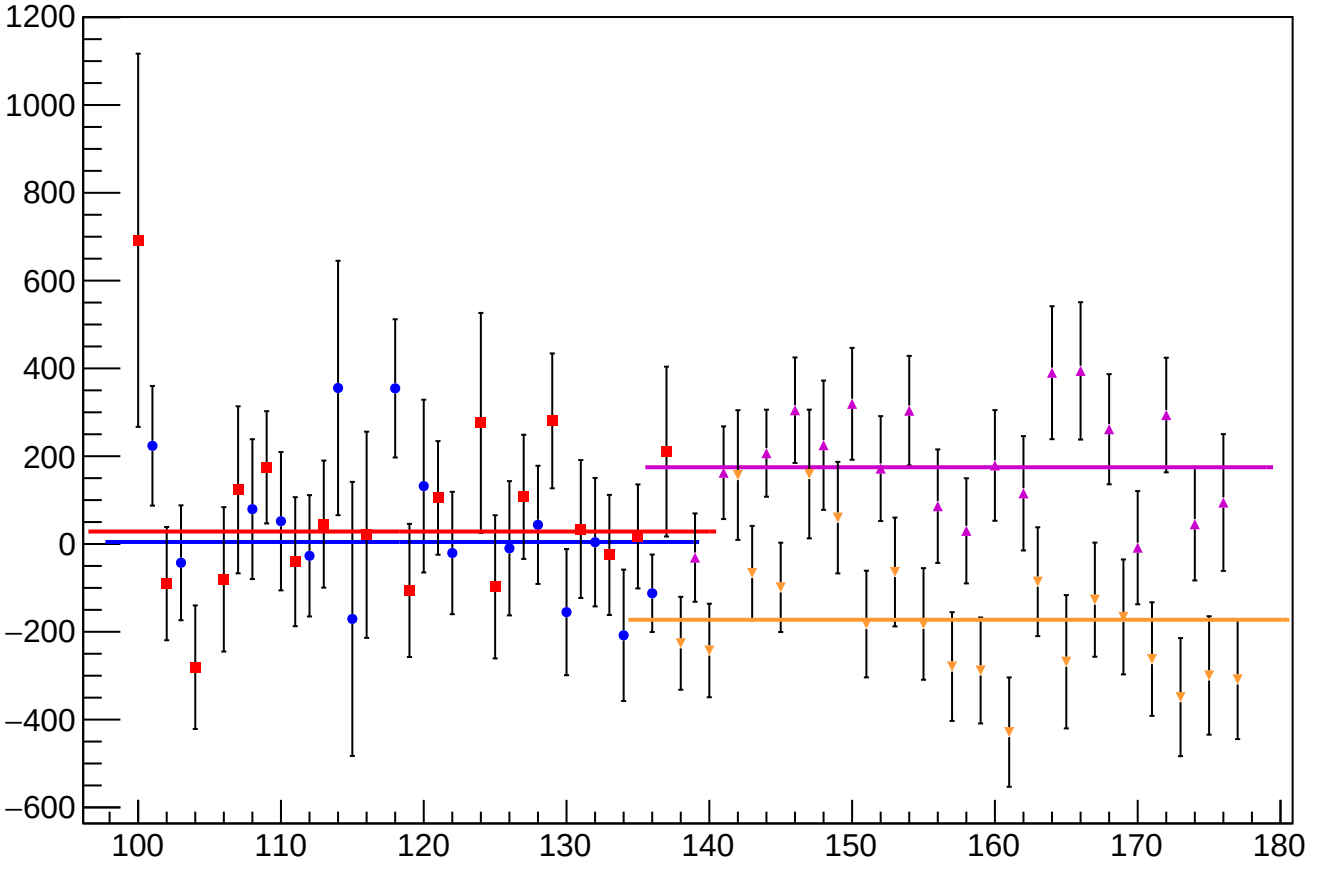
Left In: 636.475+/-0.115 χ^2/NDF:445541.5/18

+ sign 655.328+/-0.096 χ^2/NDF: 1146379.1/36

All: 649.189+/-0.068 χ^2/NDF: 2416668.5/74

- sign 643.003+/-0.097 χ^2/NDF: 1262116.7/37

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -172.565+/-27.136 χ^2/NDF:27.4/20

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

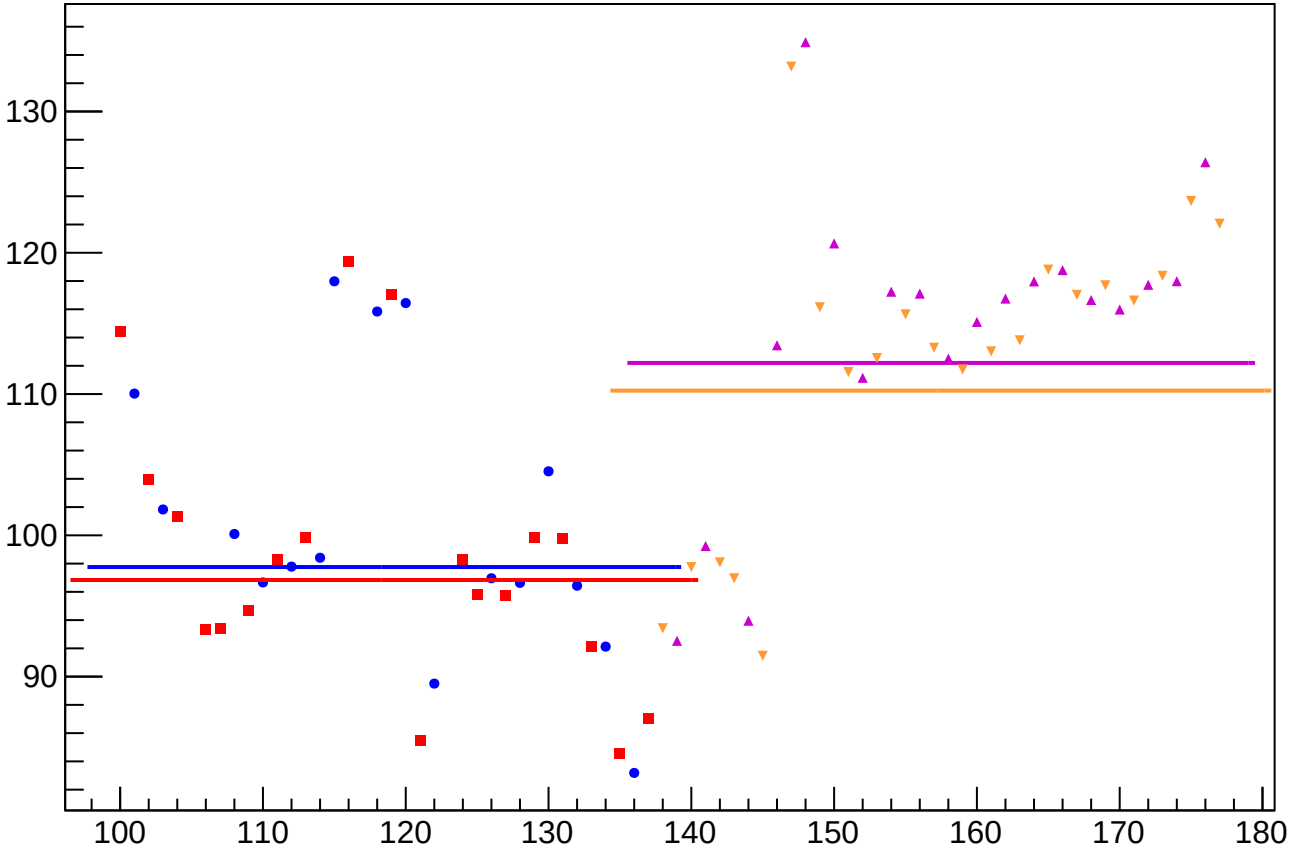
Left In: 174.880+/-28.609 χ^2/NDF:18.7/18

+ sign -109.514+/-21.779 χ^2/NDF: 57.9/36

All: 1.301+/-15.570 χ^2/NDF: 157.0/74

- sign 117.140+/-22.267 χ^2/NDF: 46.1/37

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 110.245+/-0.019 χ^2/NDF:317578.2/20

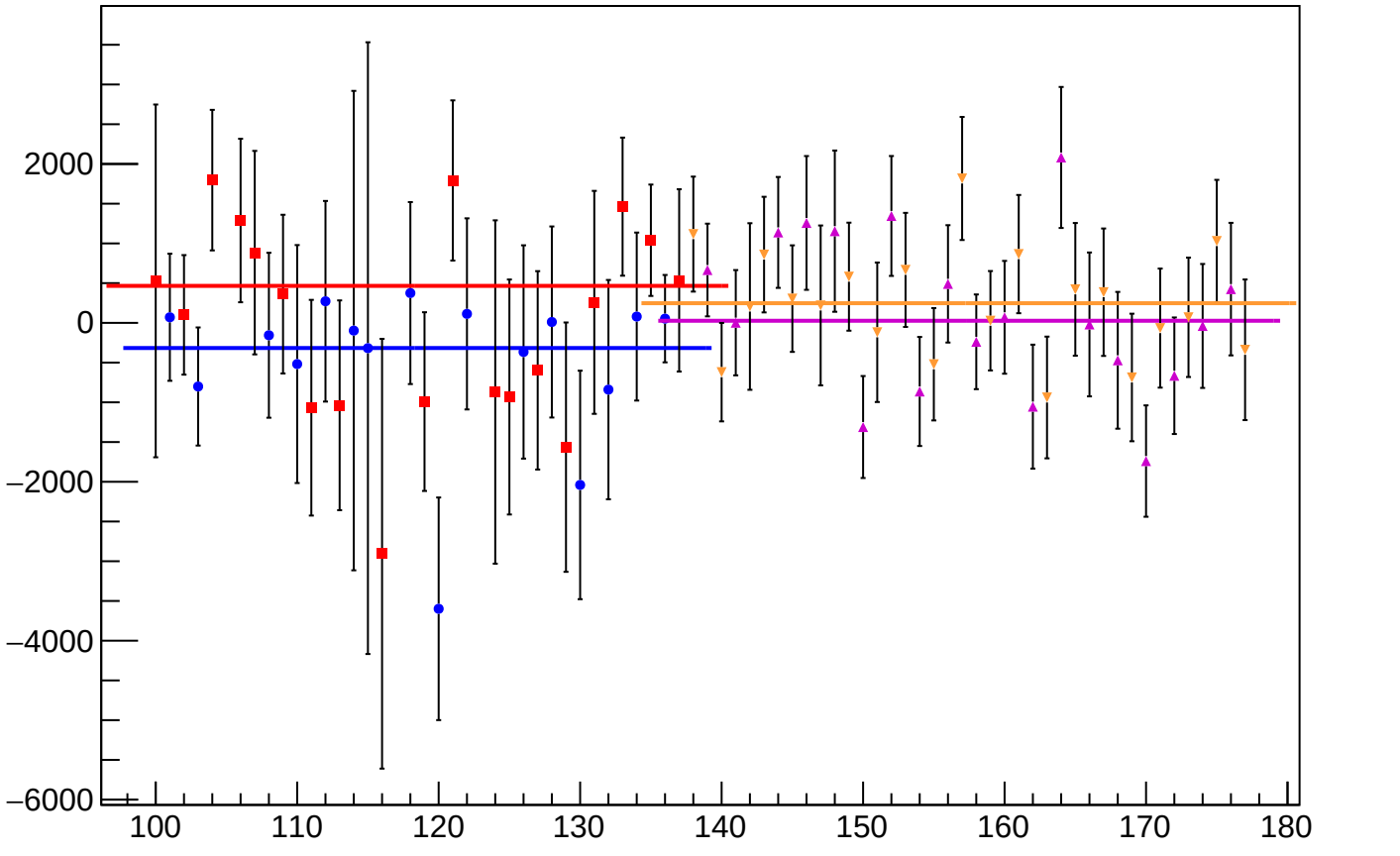
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 112.203+/-0.020 χ^2/NDF:275686.8/18

+ sign 105.801+/-0.015 χ^2/NDF: 608991.0/36

All: 105.970+/-0.011 χ^2/NDF: 1227469.2/74

- sign 106.147+/-0.016 χ^2/NDF: 618231.5/37



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 247.423+/-165.013 χ^2/NDF:16.5/20

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

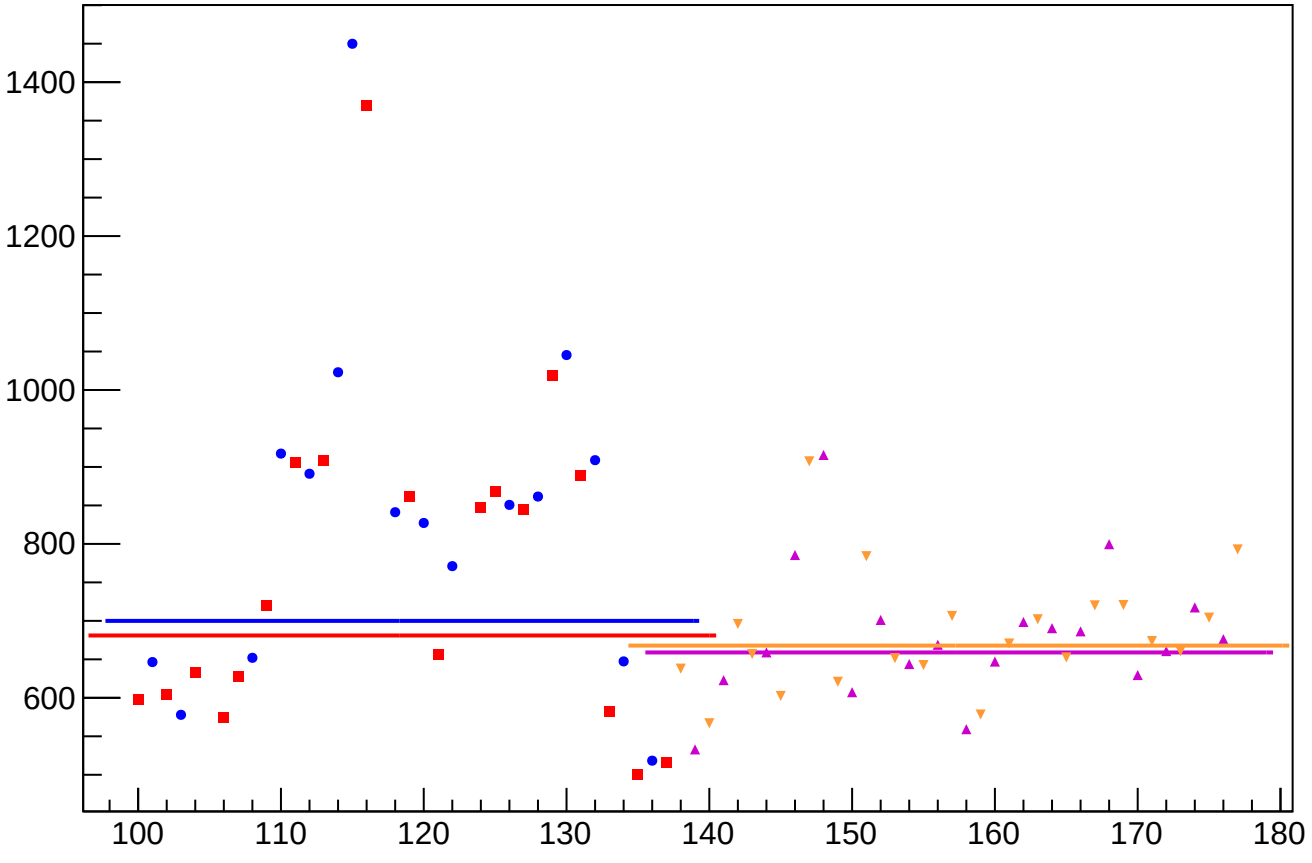
Left In: 26.508+/-168.900 χ^2/NDF:31.9/18

\+ sign 91.975+/-140.444 χ^2/NDF: 28.9/36

All: 125.434+/-99.536 χ^2/NDF: 79.4/74

\- sign 159.201+/-141.088 χ^2/NDF: 50.4/37

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 667.883+/-0.117 χ^2/NDF:351312.6/20

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

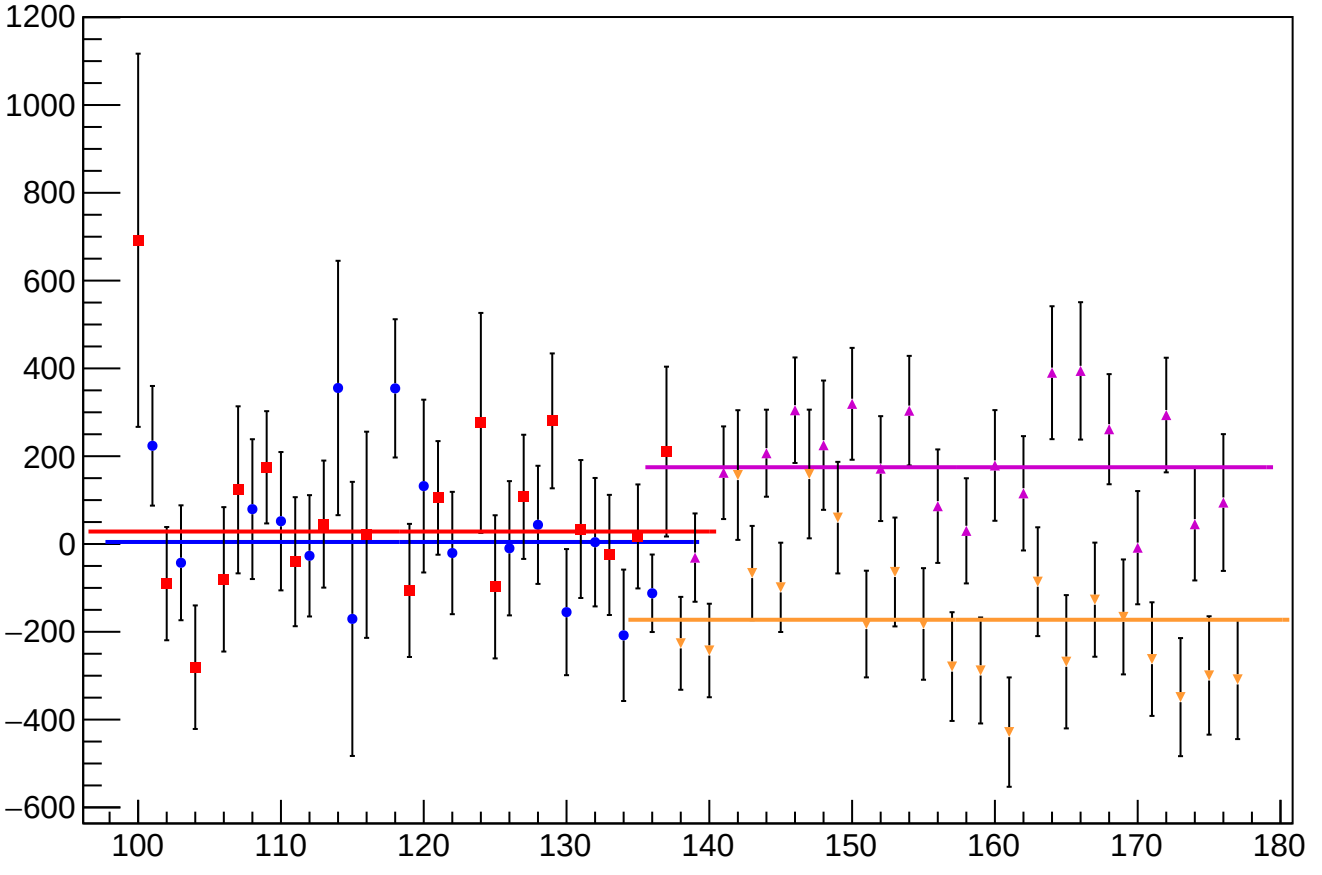
Left In: 658.965+/-0.119 χ^2/NDF:428049.7/18

\+ sign 676.727+/-0.099 χ^2/NDF: 1125825.0/36

All: 671.204+/-0.070 χ^2/NDF: 2339789.7/74

\- sign 665.630+/-0.100 χ^2/NDF: 1207749.3/37

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -172.565+/-27.136 χ^2/NDF:27.4/20

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

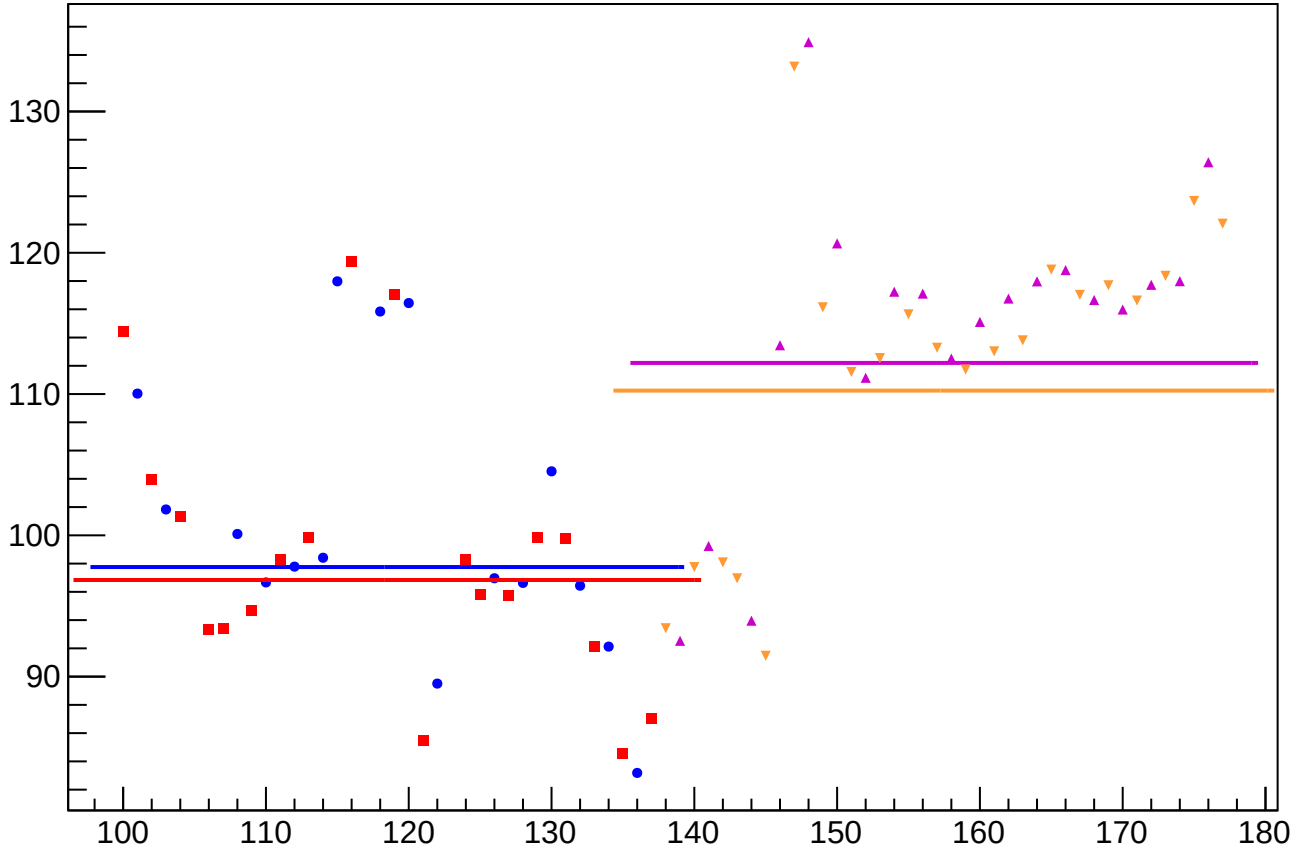
Left In: 174.881+/-28.609 χ^2/NDF:18.7/18

+ sign -109.514+/-21.779 χ^2/NDF: 57.9/36

All: 1.302+/-15.570 χ^2/NDF: 157.0/74

- sign 117.140+/-22.267 χ^2/NDF: 46.1/37

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 110.245+/-0.019 χ^2/NDF:317575.0/20

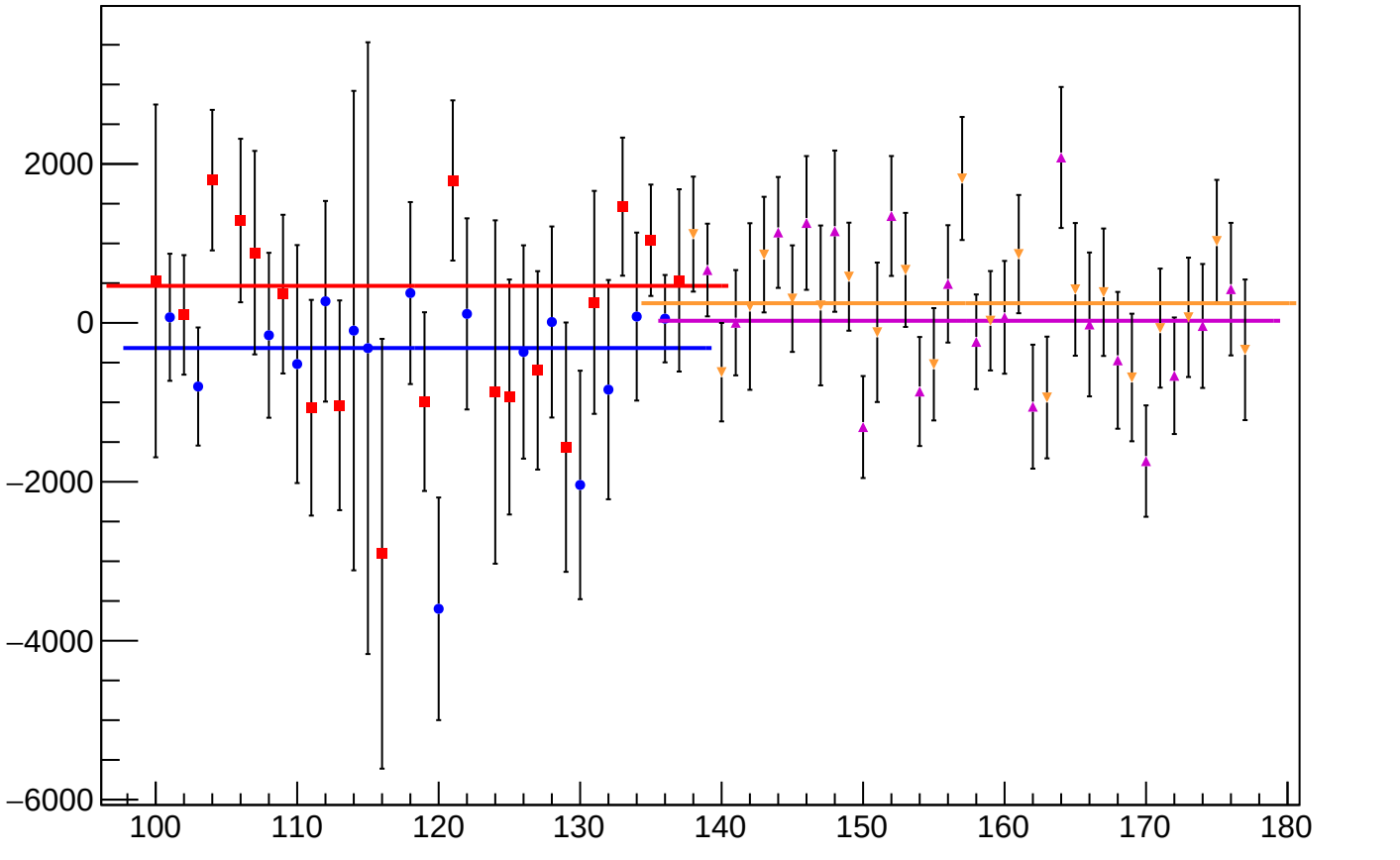
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 112.203+/-0.020 χ^2/NDF:275682.9/18

+ sign 105.801+/-0.015 χ^2/NDF: 608996.5/36

All: 105.970+/-0.011 χ^2/NDF: 1227485.9/74

- sign 106.147+/-0.016 χ^2/NDF: 618242.6/37



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 247.422+/-165.014 χ^2/NDF:16.5/20

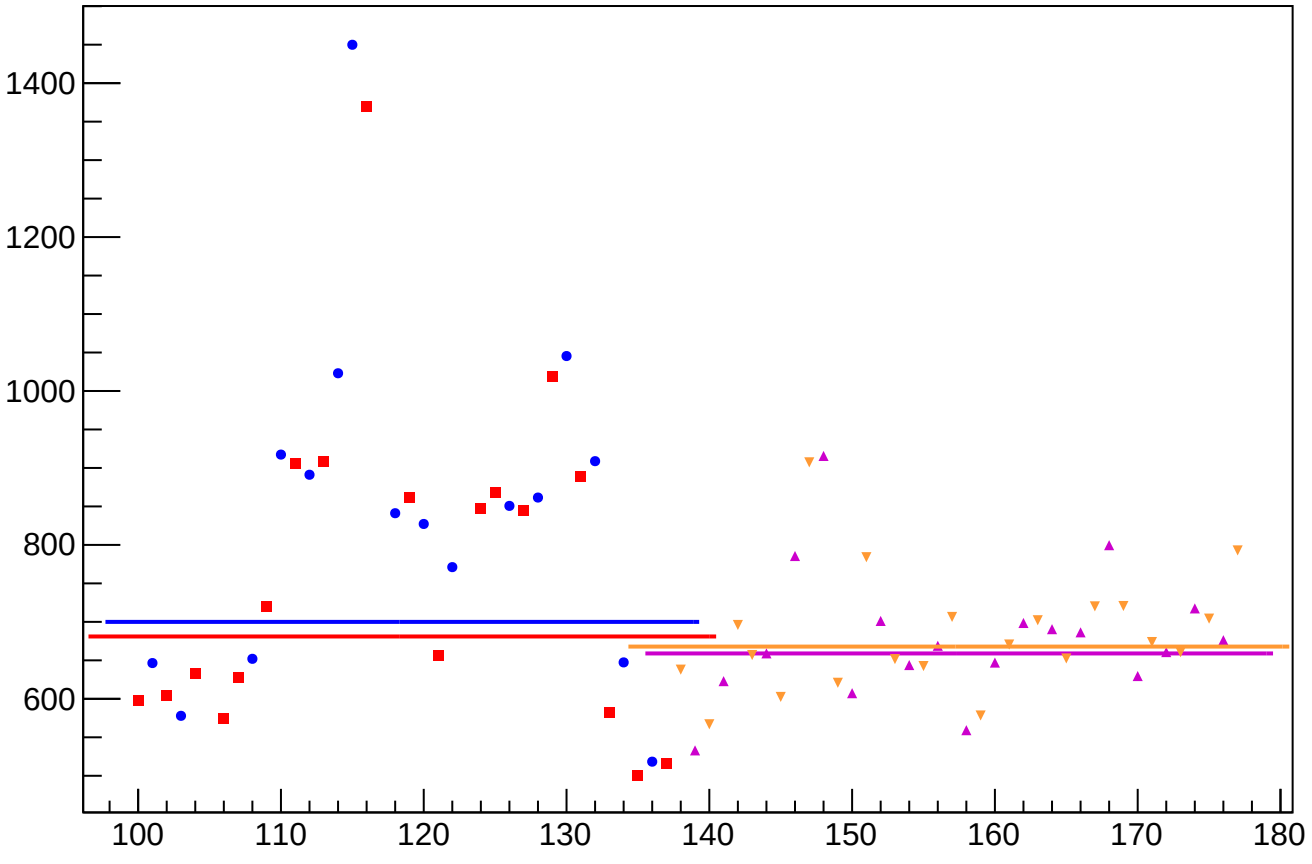
Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: 26.508+/-168.900 χ^2/NDF:31.9/18

+ sign 91.975+/-140.444 χ^2/NDF: 28.9/36

All: 125.434+/-99.536 χ^2/NDF: 79.4/74

- sign 159.201+/-141.088 χ^2/NDF: 50.4/37



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 667.883+/-0.117 χ^2/NDF:351311.1/20

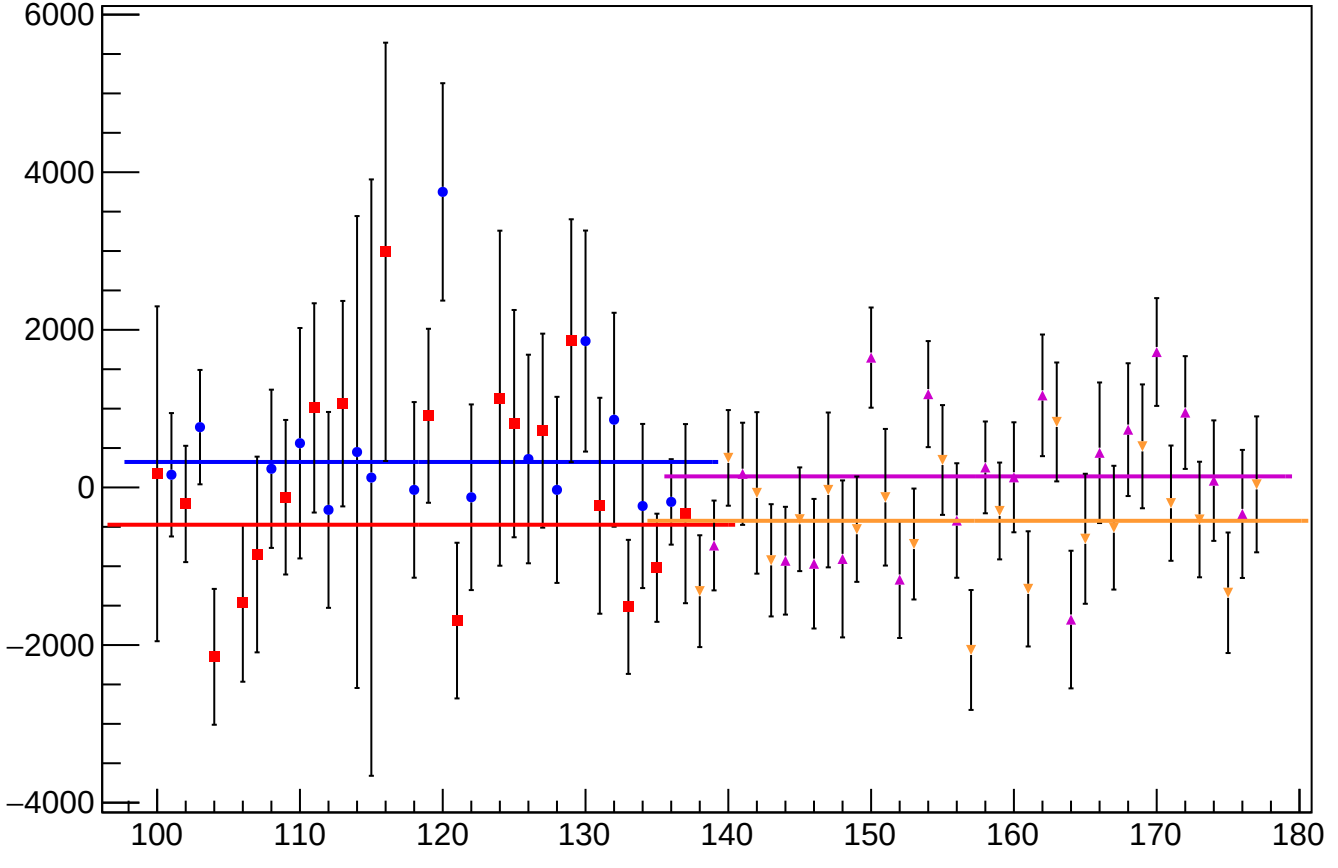
Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 658.966+/-0.119 χ^2/NDF:428050.4/18

+ sign 676.727+/-0.099 χ^2/NDF: 1125823.6/36

All: 671.204+/-0.070 χ^2/NDF: 2339790.3/74

- sign 665.630+/-0.100 χ^2/NDF: 1207751.2/37



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -423.432+/-161.964 χ^2/NDF:17.8/20

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

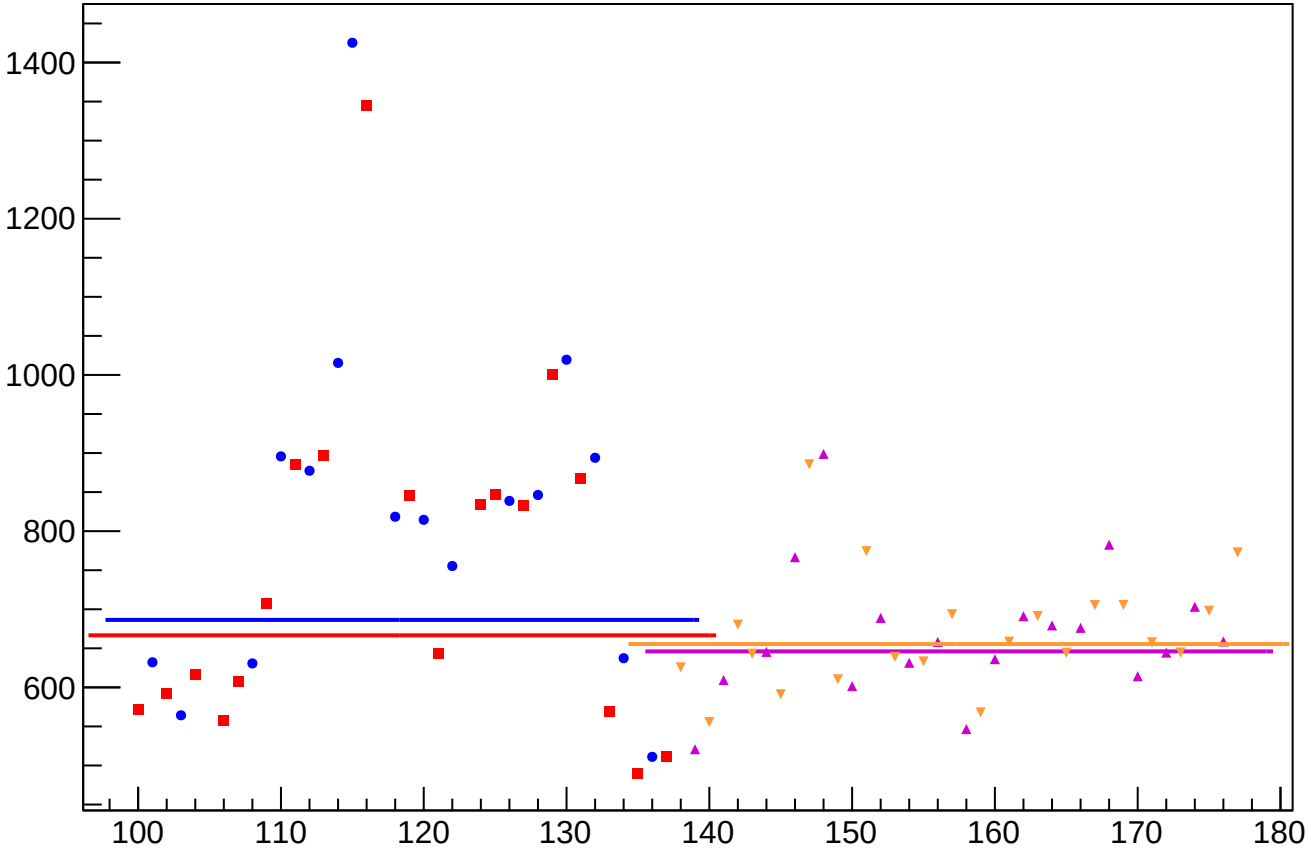
Left In: 140.292+/-165.631 χ^2/NDF:33.2/18

+ sign -217.375+/-137.814 χ^2/NDF: 33.4/36

All: -131.730+/-97.620 χ^2/NDF: 90.9/74

- sign -45.481+/-138.299 χ^2/NDF: 56.8/37

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 655.454+/-0.115 χ^2/NDF:348639.9/20

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

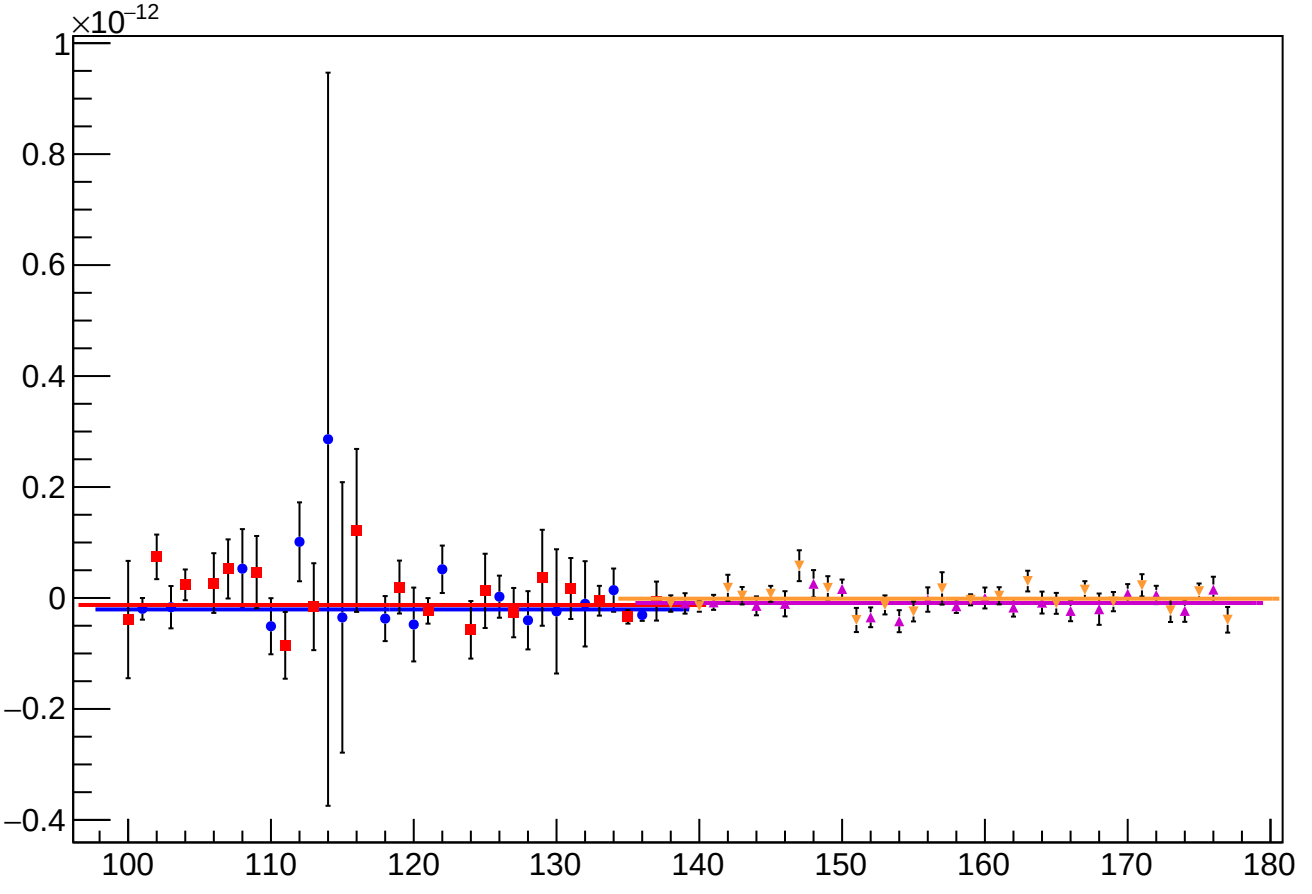
Left In: 646.090+/-0.117 χ^2/NDF:431993.1/18

\+ sign 663.993+/-0.097 χ^2/NDF: 1118237.4/36

All: 658.173+/-0.069 χ^2/NDF: 2343741.2/74

\- sign 652.311+/-0.098 χ^2/NDF: 1218343.7/37

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

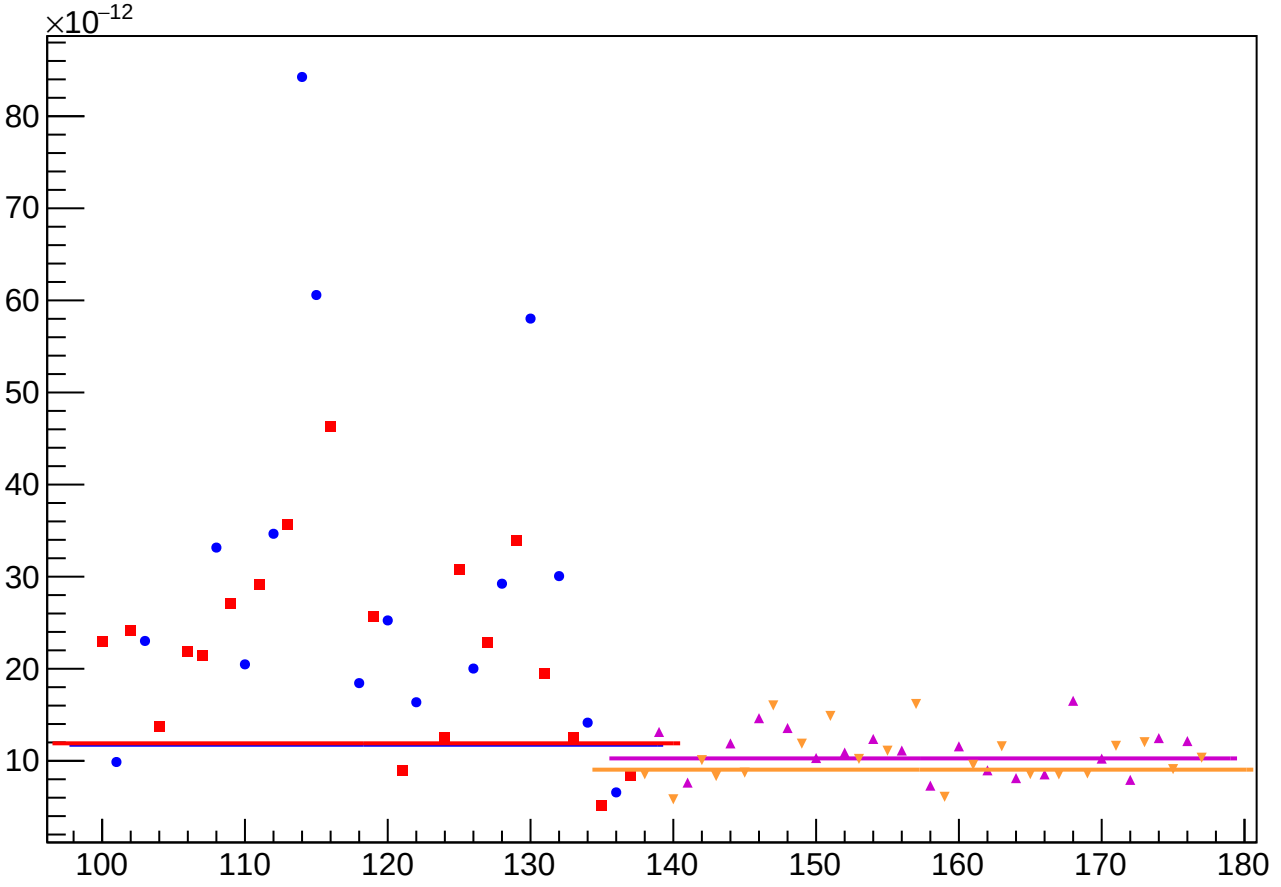
Left In: -0.000+/-0.000 χ^2/NDF:14.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 39.9/36

All: -0.000+/-0.000 χ^2/NDF: 72.3/74

- sign -0.000+/-0.000 χ^2/NDF: 31.2/37

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:979051.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

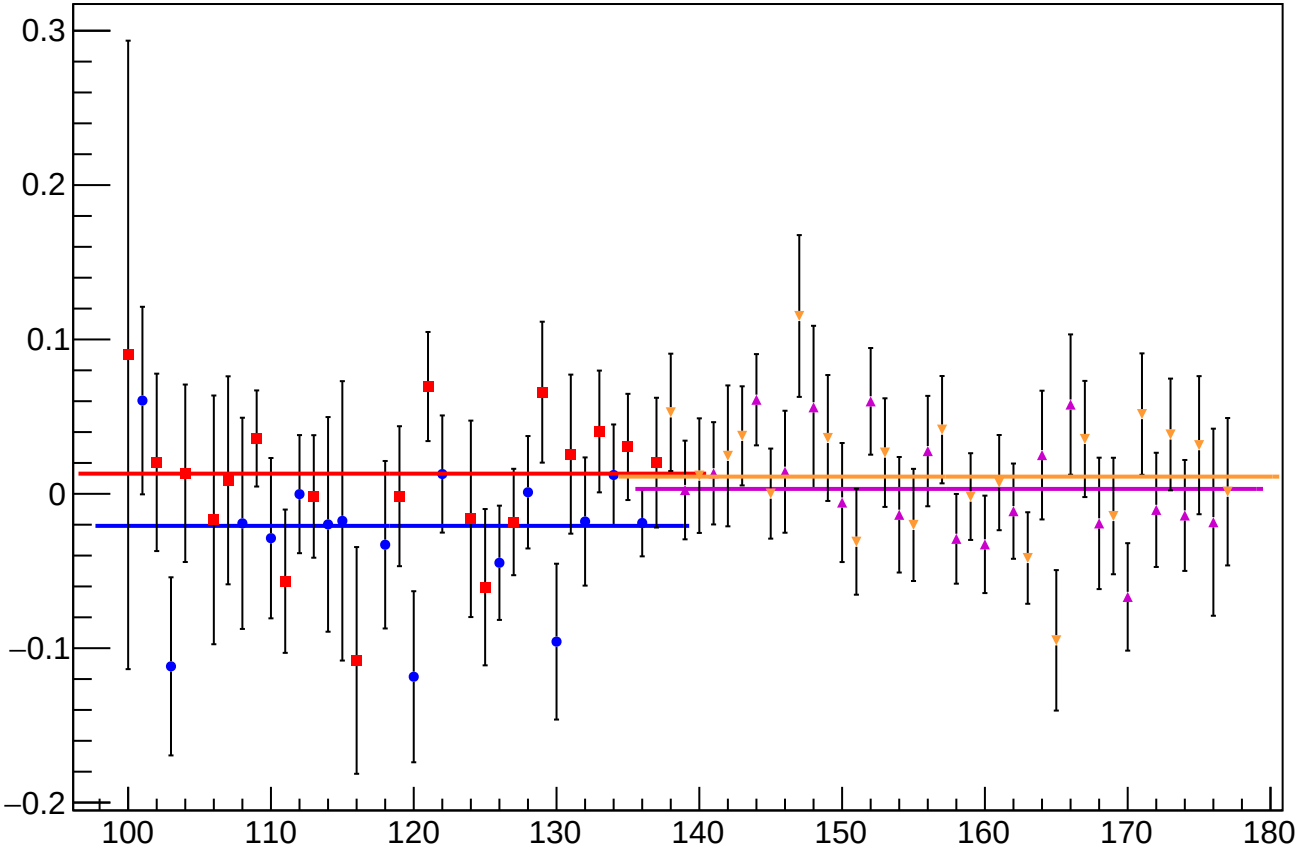
Left In: 0.000+/-0.000 χ^2/NDF:637124.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 3338367.6/36

All: 0.000+/-0.000 χ^2/NDF: 6348457.1/74

- sign 0.000+/-0.000 χ^2/NDF: 2907676.4/37

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: 0.011+/-0.008 χ^2/NDF:21.2/20

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

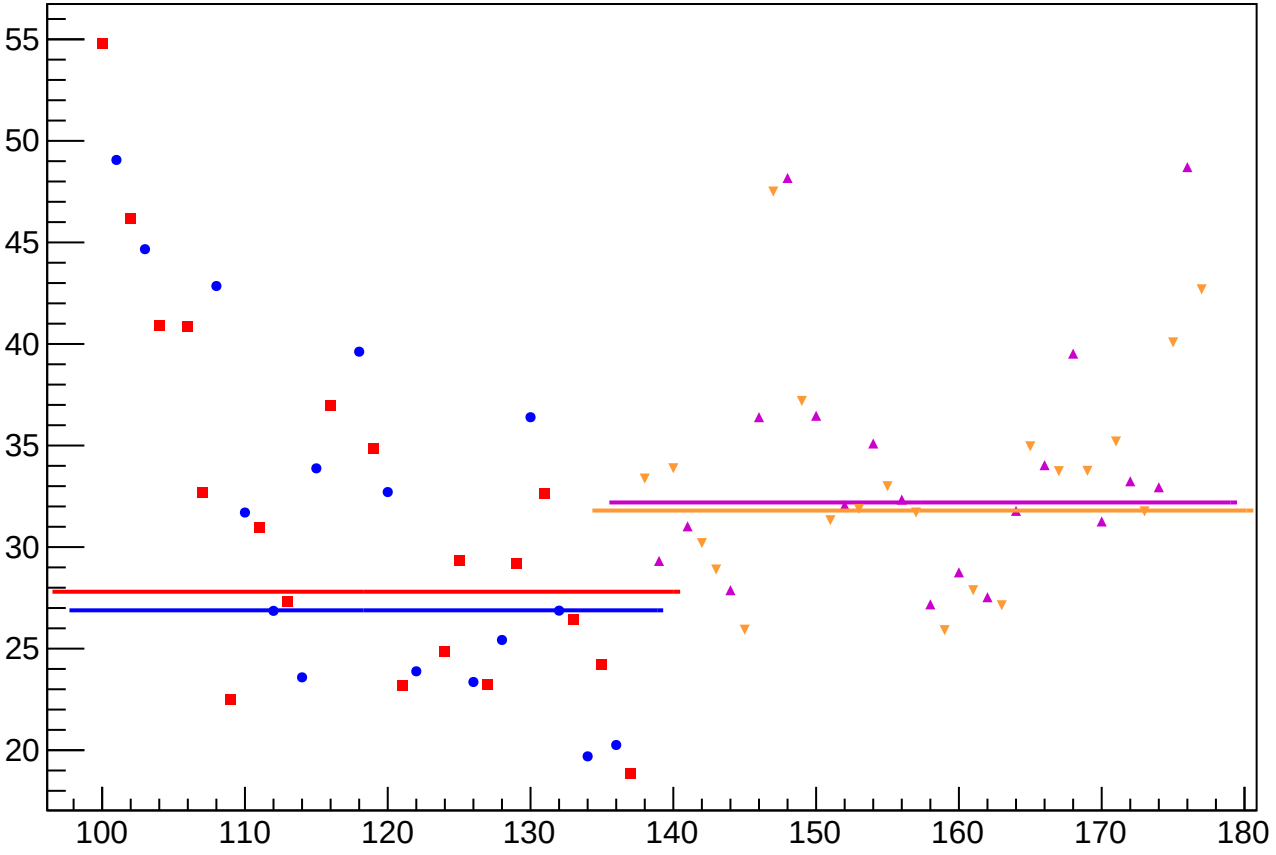
Left In: 0.003+/-0.008 χ^2/NDF:17.7/18

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/36

All: 0.003+/-0.005 χ^2/NDF: 72.4/74

- sign 0.007+/-0.007 χ^2/NDF: 32.1/37

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: 31.799+/-0.006 χ^2/NDF:704273.0/20

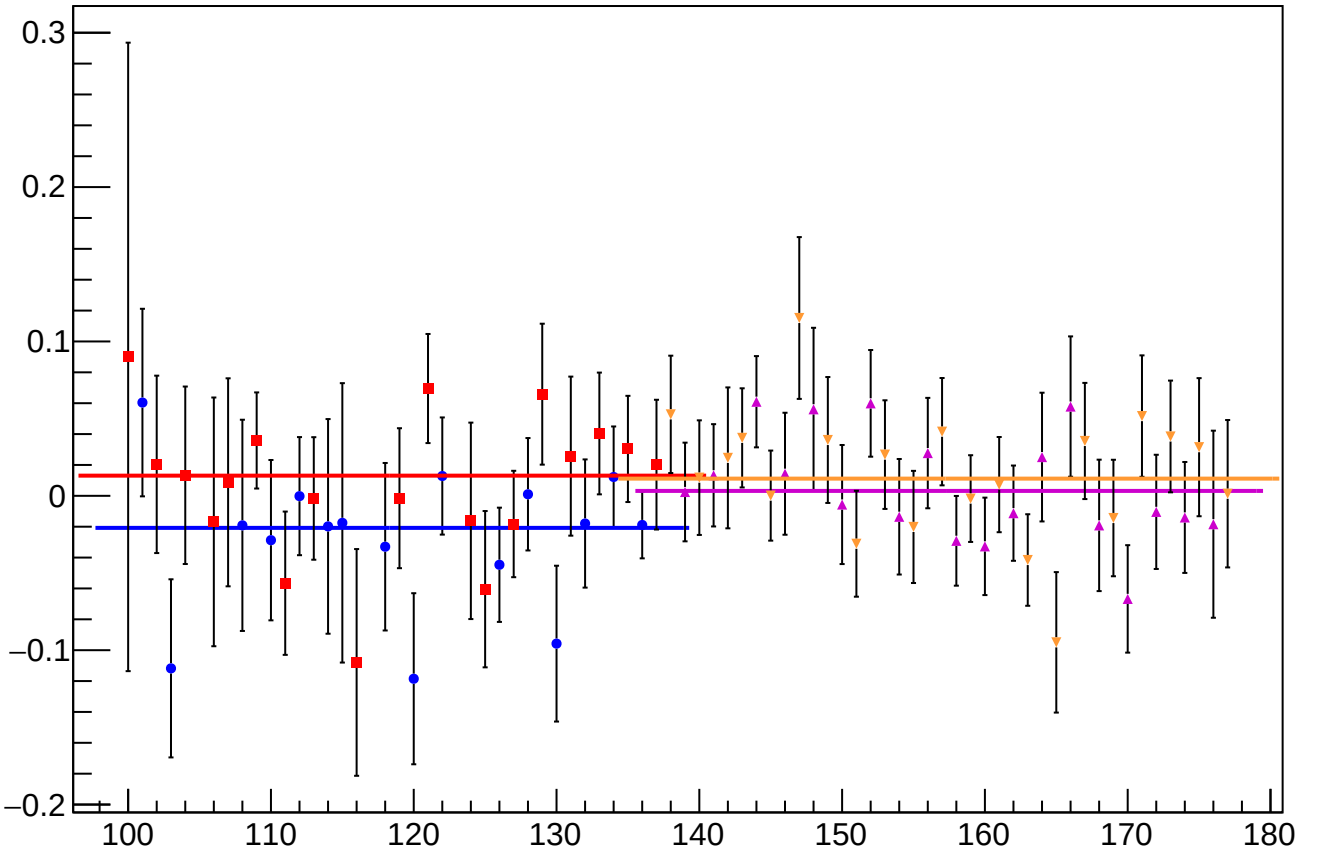
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.197+/-0.006 χ^2/NDF:647969.1/18

+ sign 30.020+/-0.004 χ^2/NDF: 2103680.8/36

All: 30.259+/-0.003 χ^2/NDF: 3735143.9/74

- sign 30.513+/-0.005 χ^2/NDF: 1625561.7/37



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/20

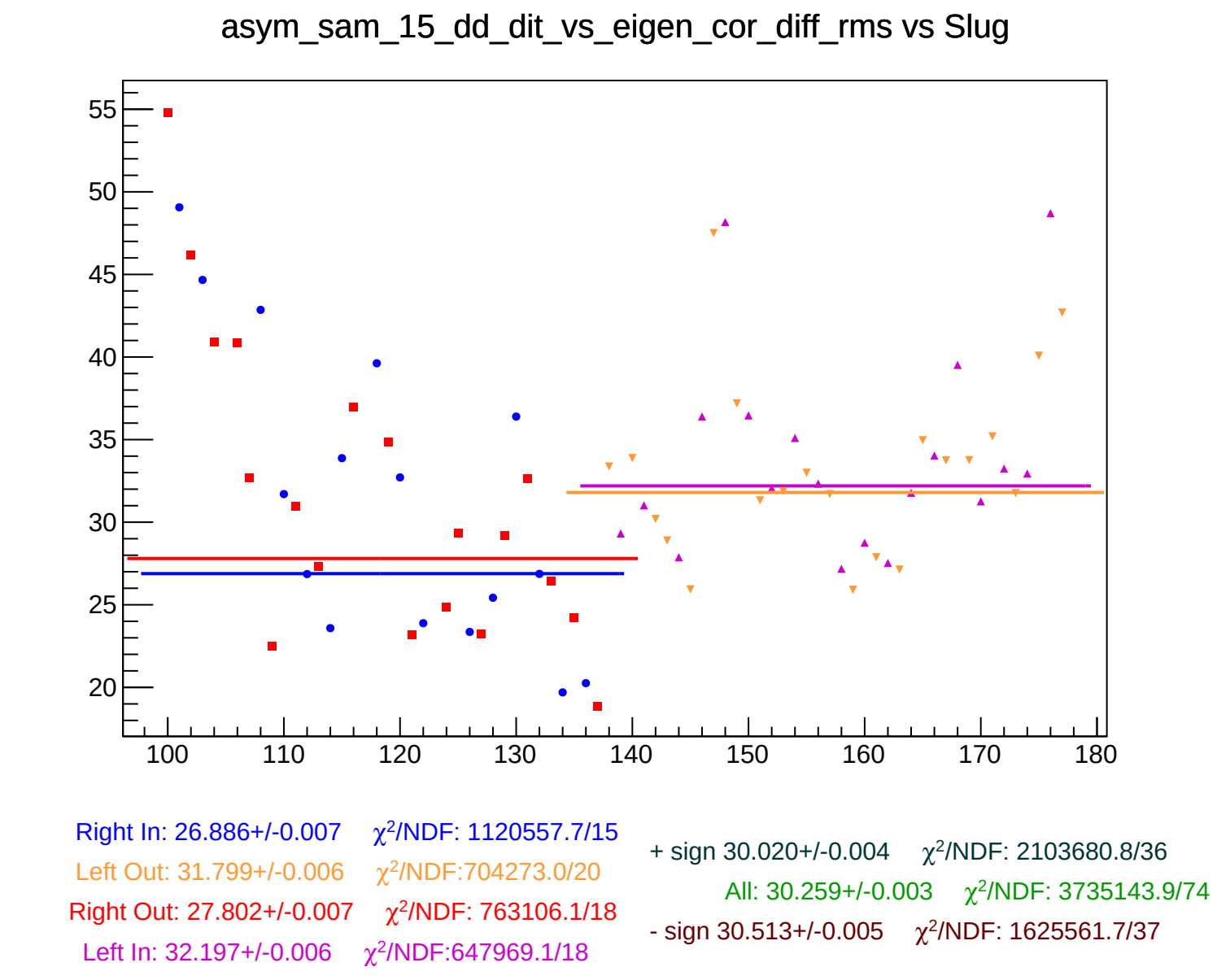
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.008 χ^2/NDF:17.7/18

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/36

All: 0.003+/-0.005 χ^2/NDF: 72.4/74

- sign 0.007+/-0.007 χ^2/NDF: 32.1/37


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
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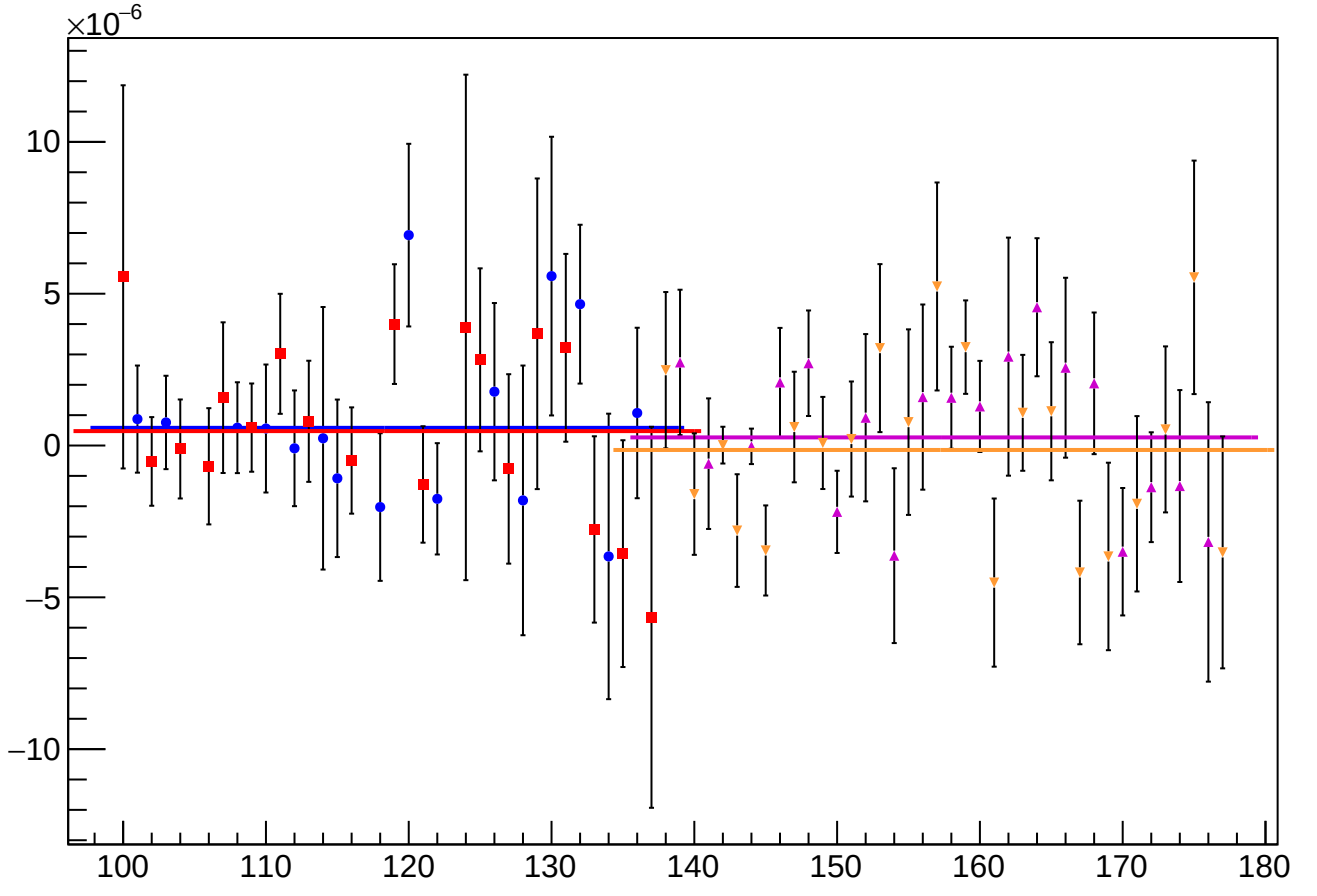
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 31.799+/-0.006 χ²/NDF:704273.0/20
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 32.197+/-0.006 χ²/NDF:647969.1/18
+ sign 30.020+/-0.004 χ²/NDF: 2103680.8/36
All: 30.259+/-0.003 χ²/NDF: 3735143.9/74
- sign 30.513+/-0.005 χ²/NDF: 1625561.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/20

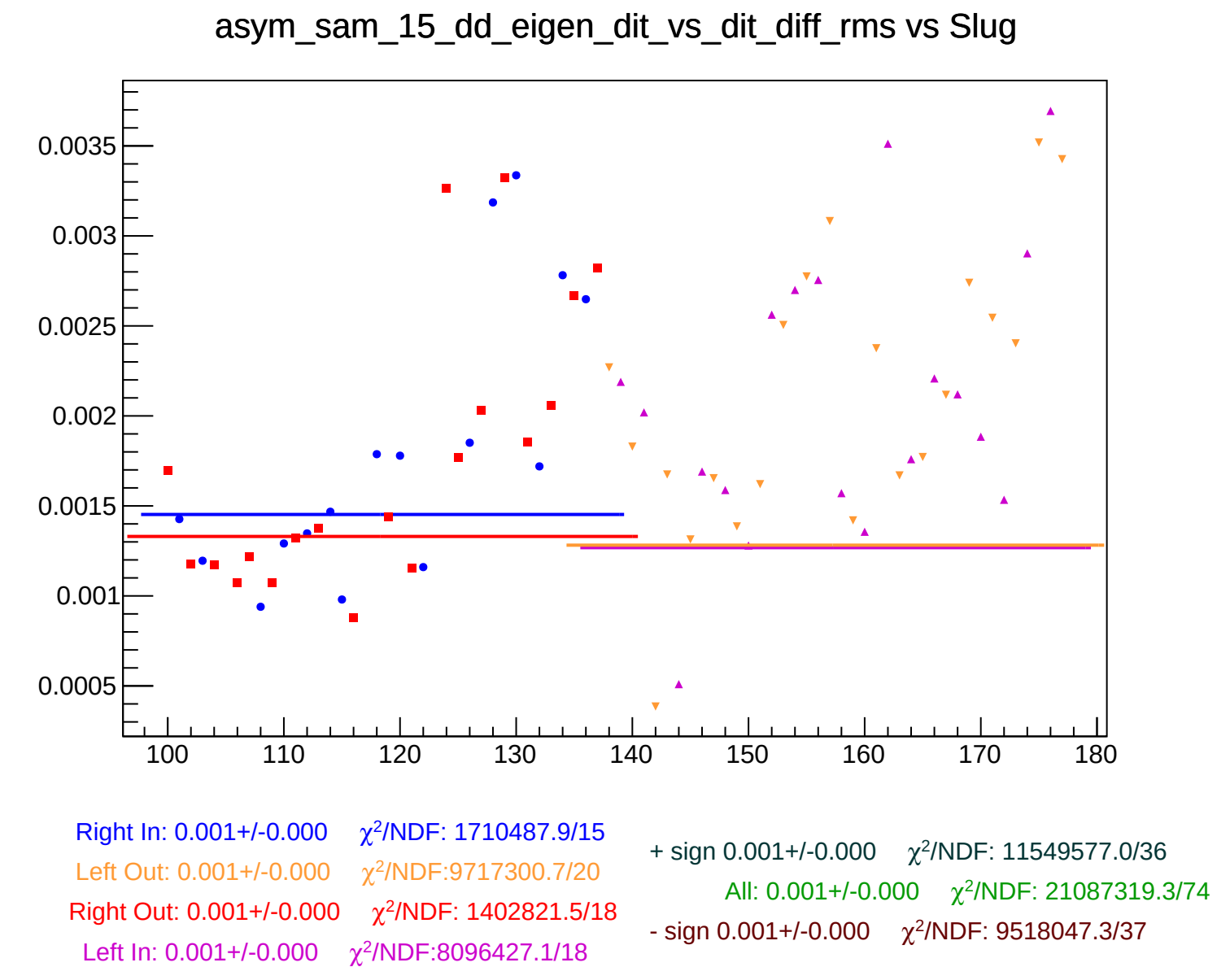
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/36

All: 0.000+/-0.000 χ^2/NDF: 77.0/74

- sign 0.000+/-0.000 χ^2/NDF: 34.3/37


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
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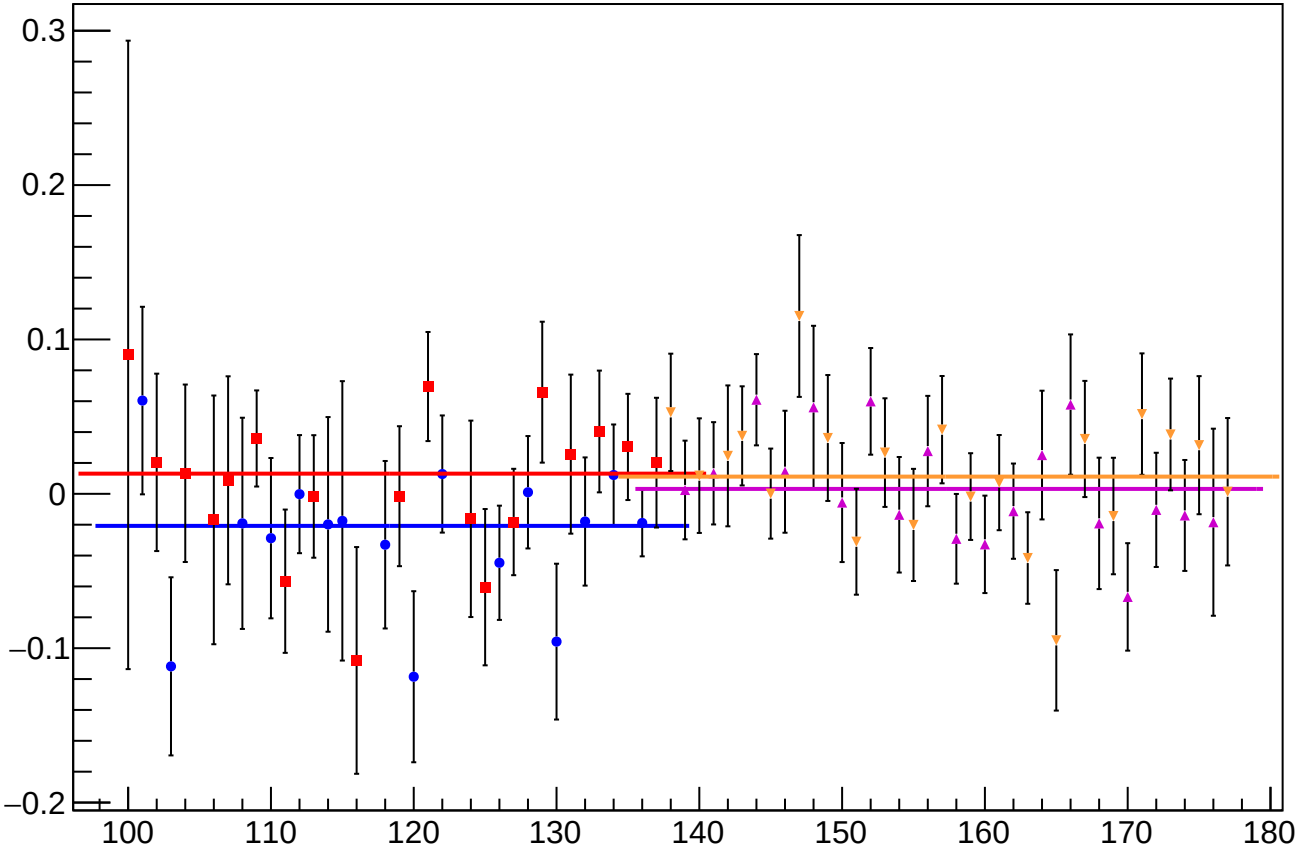
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:9717300.7/20
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:8096427.1/18
+ sign 0.001+/-0.000 χ²/NDF: 11549577.0/36
All: 0.001+/-0.000 χ²/NDF: 21087319.3/74
- sign 0.001+/-0.000 χ²/NDF: 9518047.3/37

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/20

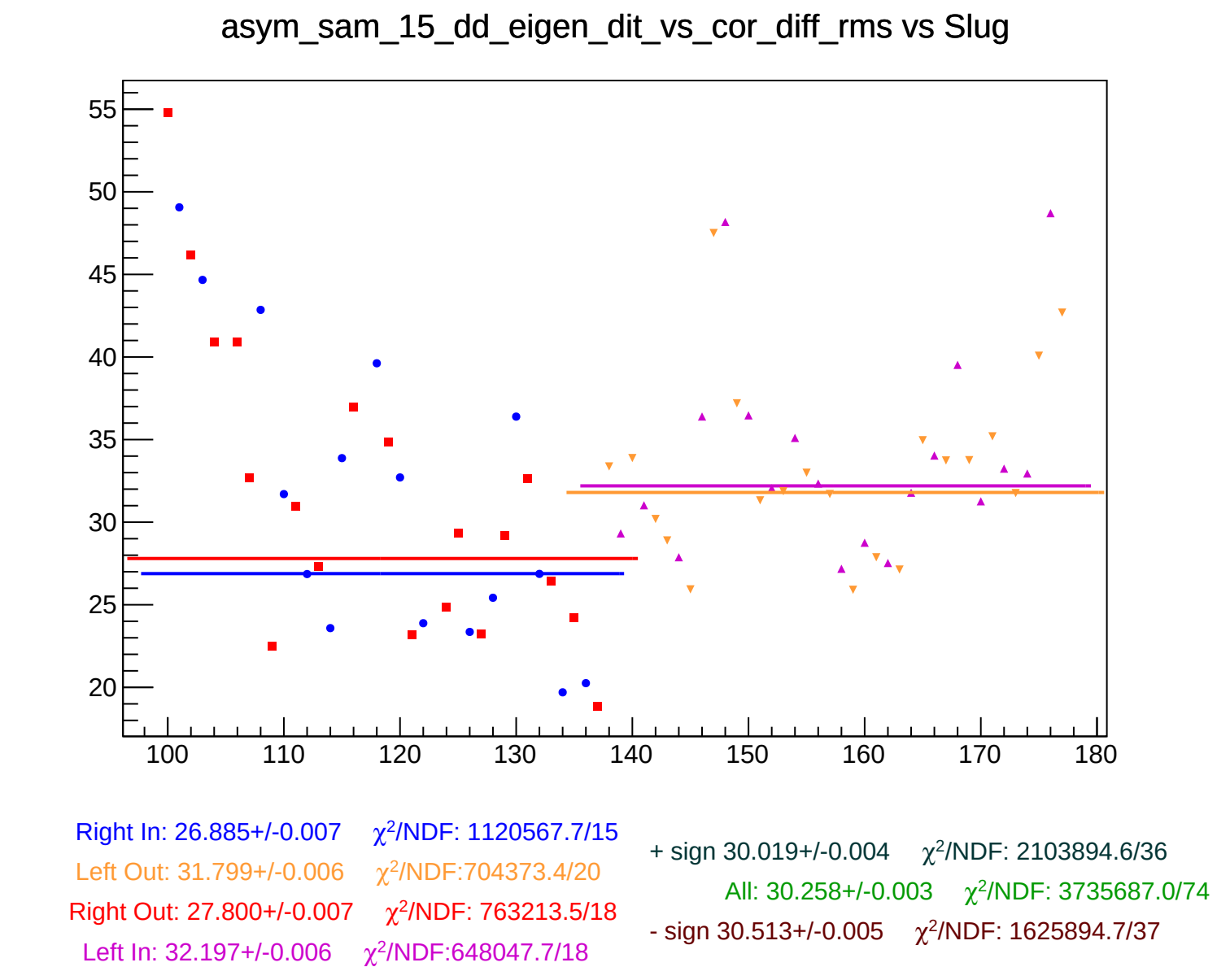
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.008 χ^2/NDF:17.7/18

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/36

All: 0.003+/-0.005 χ^2/NDF: 72.4/74

- sign 0.007+/-0.007 χ^2/NDF: 32.1/37


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
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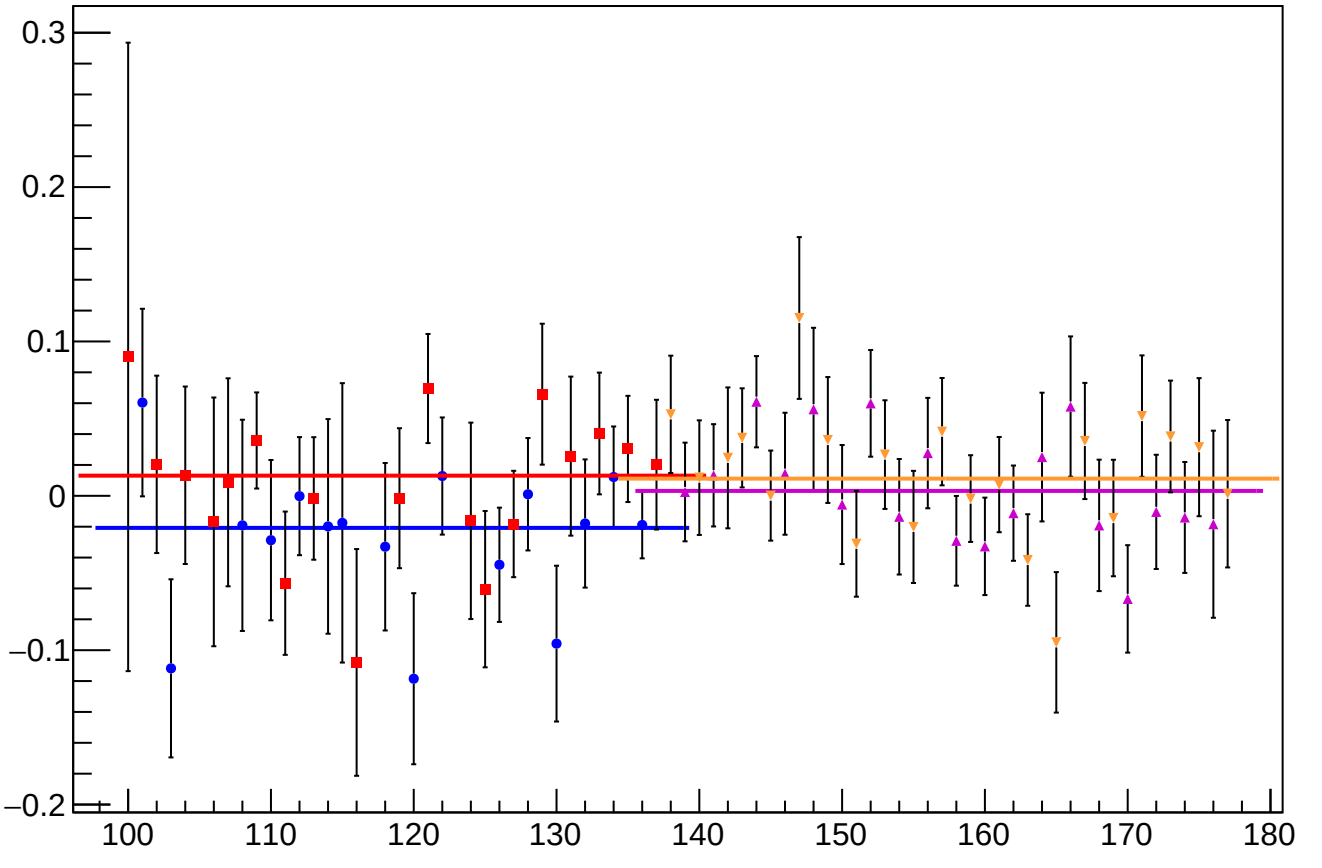
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.799+/-0.006 χ²/NDF:704373.4/20
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.197+/-0.006 χ²/NDF:648047.7/18
+ sign 30.019+/-0.004 χ²/NDF: 2103894.6/36
All: 30.258+/-0.003 χ²/NDF: 3735687.0/74
- sign 30.513+/-0.005 χ²/NDF: 1625894.7/37



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/20

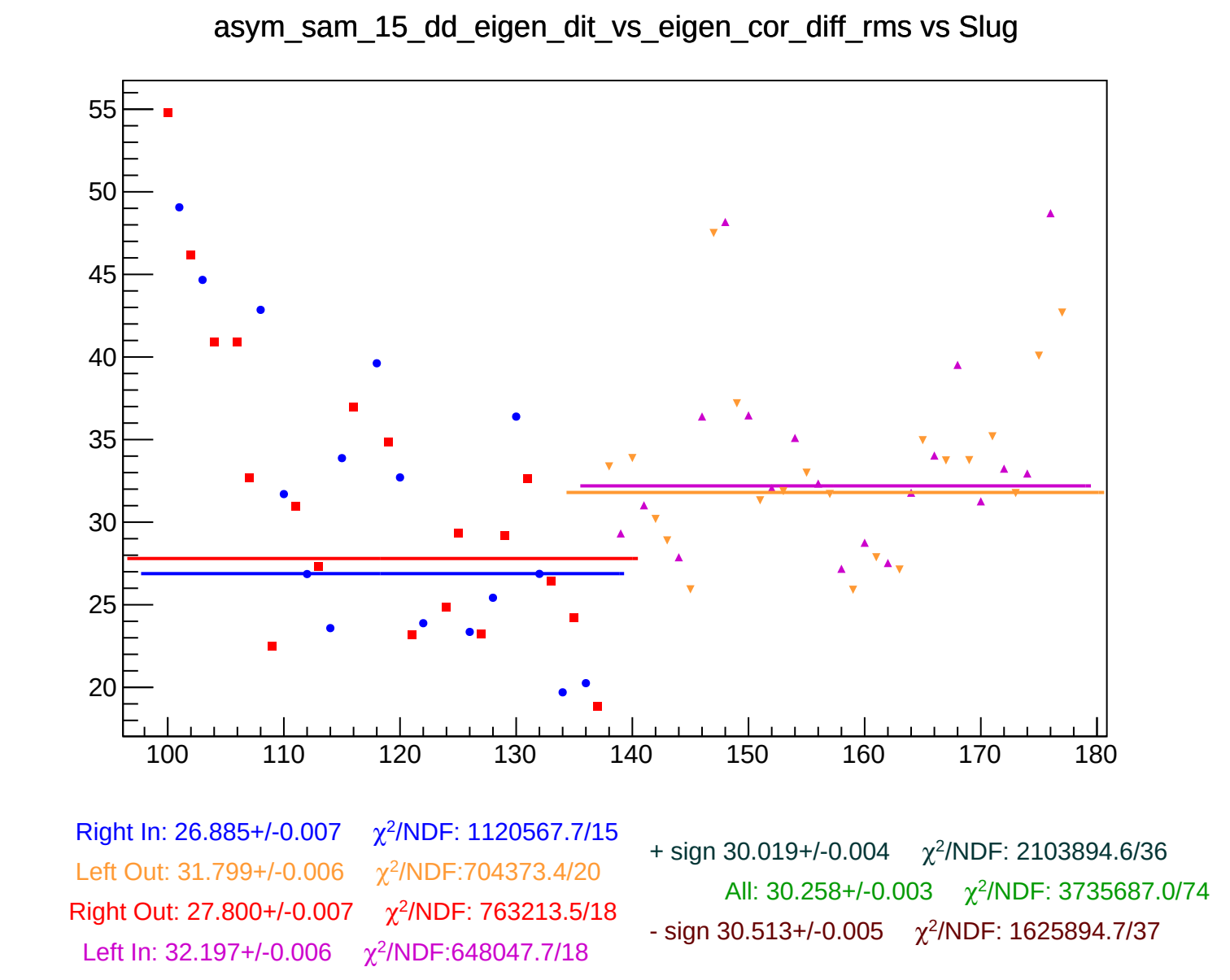
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.008 χ^2/NDF:17.7/18

+ sign -0.000+/-0.006 χ^2/NDF: 39.6/36

All: 0.003+/-0.005 χ^2/NDF: 72.4/74

- sign 0.007+/-0.007 χ^2/NDF: 32.1/37


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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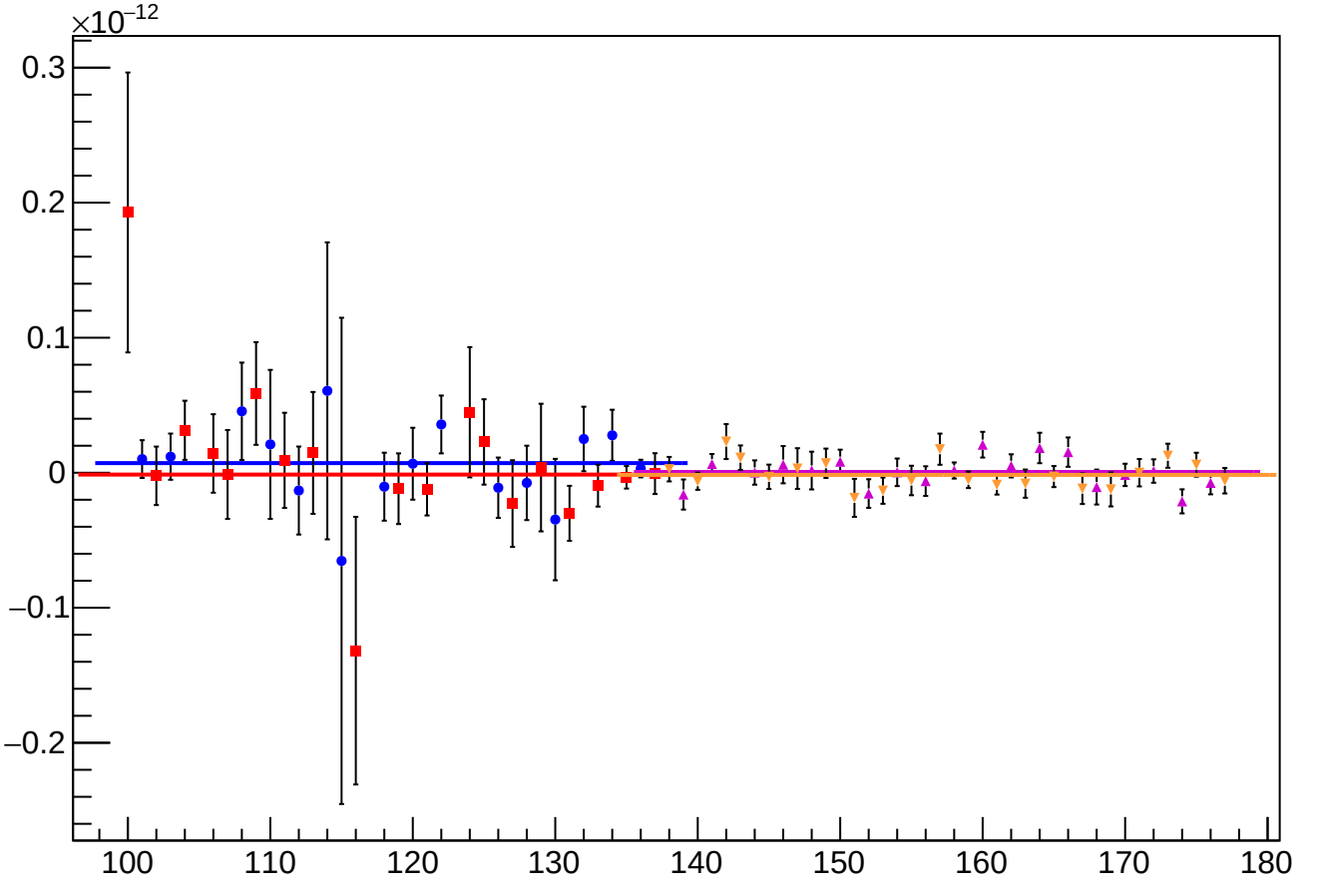
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.799+/-0.006 χ²/NDF:704373.4/20
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.197+/-0.006 χ²/NDF:648047.7/18
+ sign 30.019+/-0.004 χ²/NDF: 2103894.6/36
All: 30.258+/-0.003 χ²/NDF: 3735687.0/74
- sign 30.513+/-0.005 χ²/NDF: 1625894.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/20

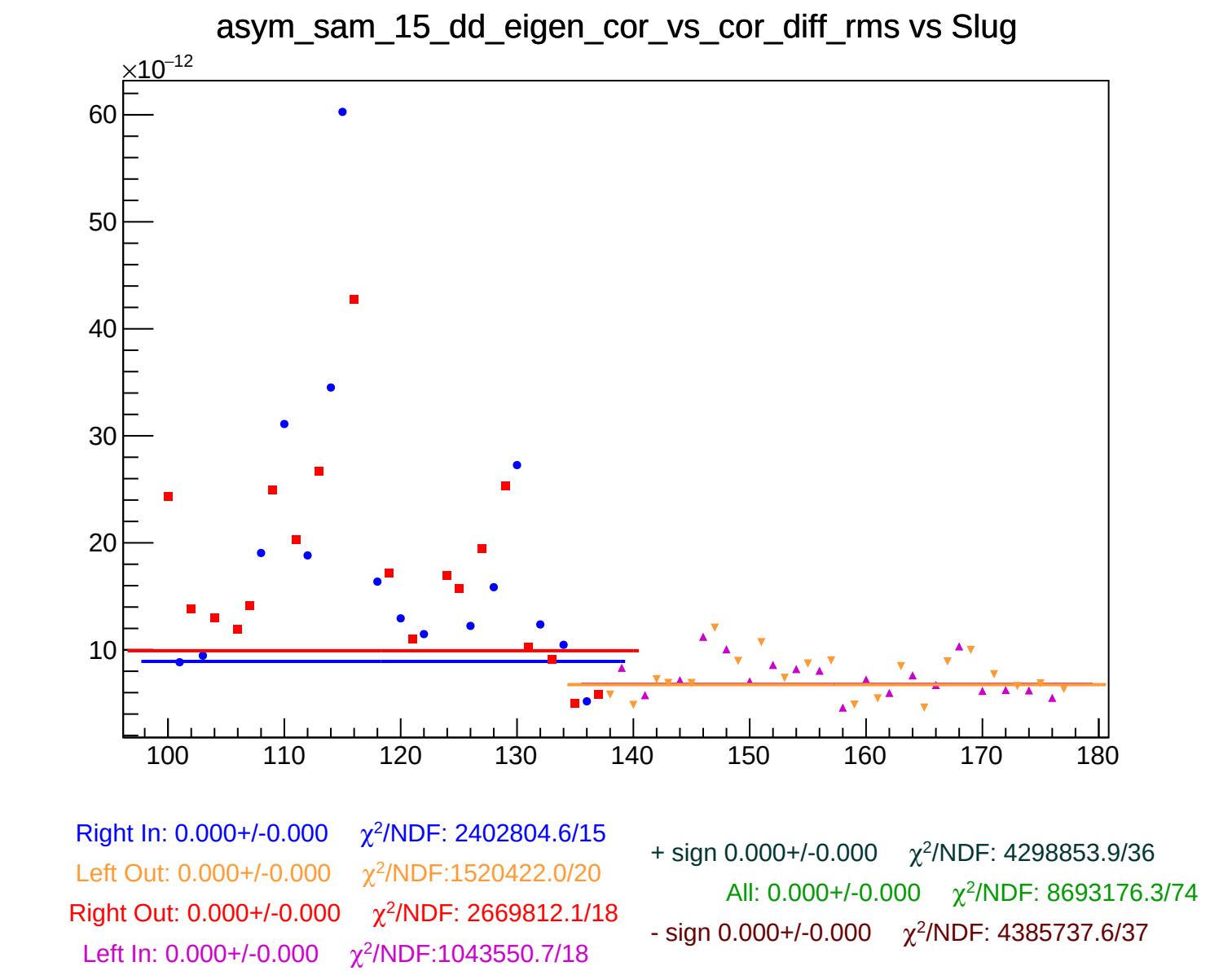
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:23.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/36

All: 0.000+/-0.000 χ^2/NDF: 69.6/74

- sign 0.000+/-0.000 χ^2/NDF: 38.6/37


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
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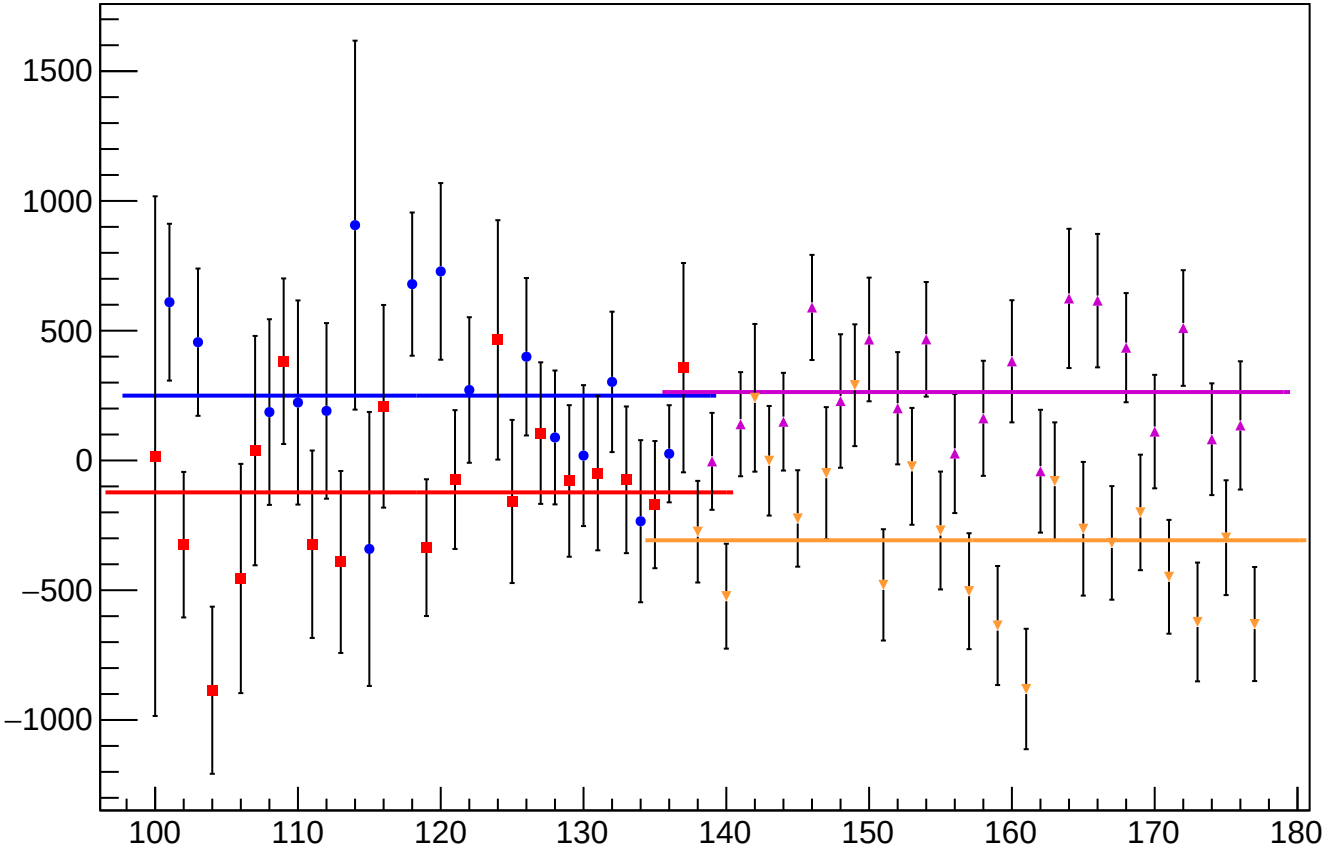
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1520422.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:1043550.7/18
+ sign 0.000+/-0.000 χ²/NDF: 4298853.9/36
All: 0.000+/-0.000 χ²/NDF: 8693176.3/74
- sign 0.000+/-0.000 χ²/NDF: 4385737.6/37

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -307.614+/-48.616 χ^2/NDF:31.6/20

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

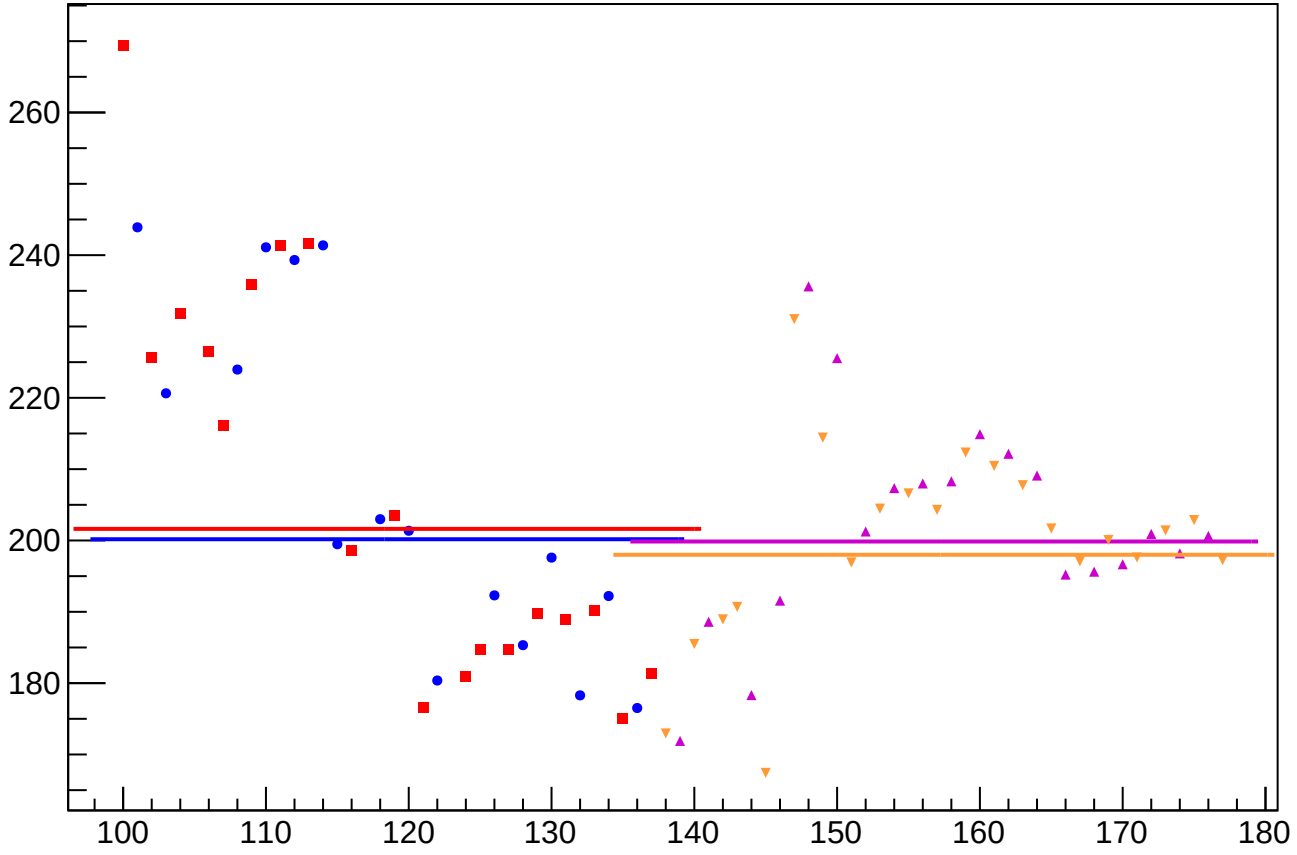
Left In: 263.535+/-50.863 χ^2/NDF:17.3/18

+ sign -142.323+/-40.776 χ^2/NDF: 84.4/36

All: -5.109+/-29.250 χ^2/NDF: 159.0/74

- sign 140.355+/-41.983 χ^2/NDF: 51.2/37

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.997+/-0.034 χ^2/NDF:167987.8/20

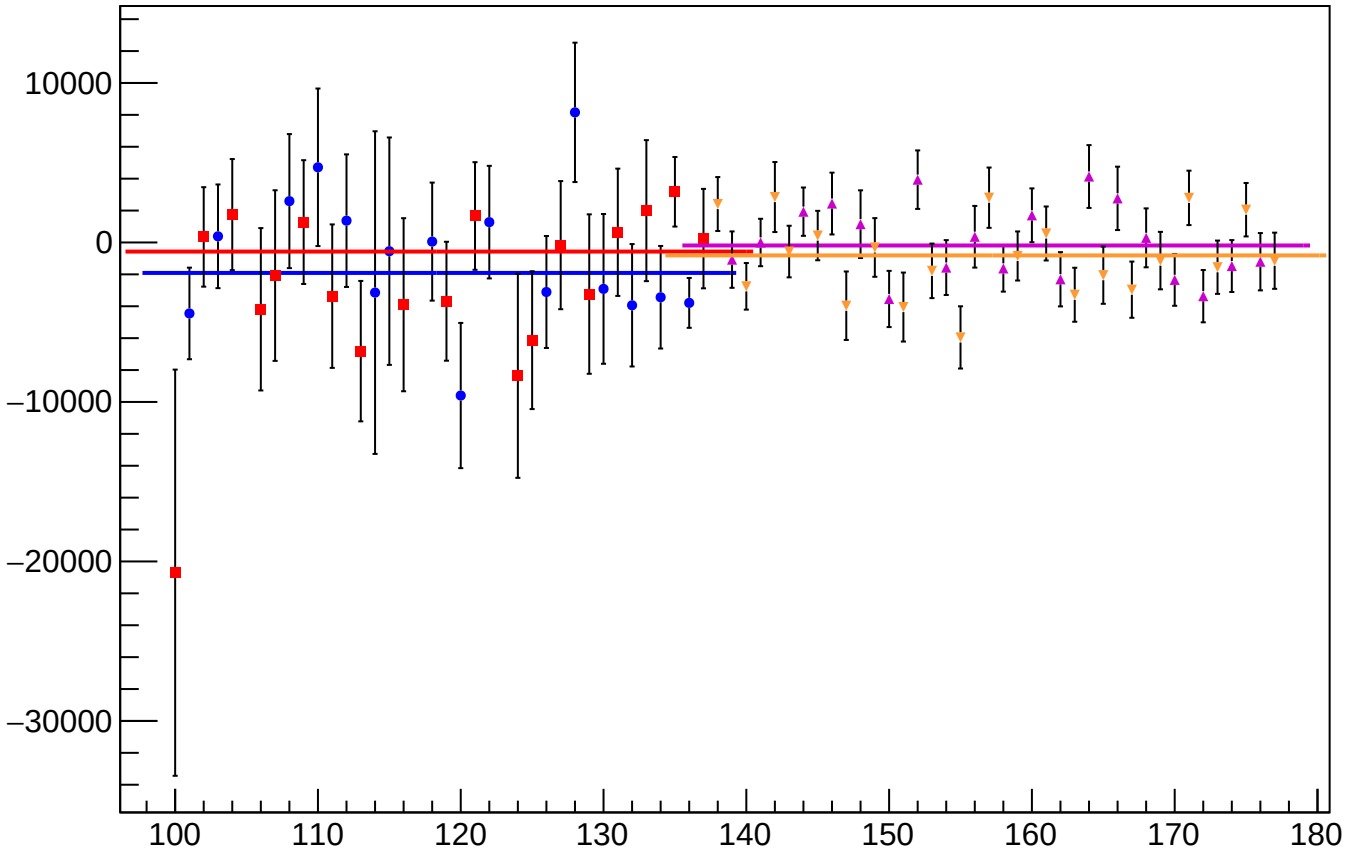
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

+ sign 198.643+/-0.029 χ^2/NDF: 350181.9/36

All: 199.506+/-0.021 χ^2/NDF: 718395.8/74

- sign 200.421+/-0.030 χ^2/NDF: 366368.4/37



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -811.551+/-381.335 χ^2/NDF:36.6/20

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

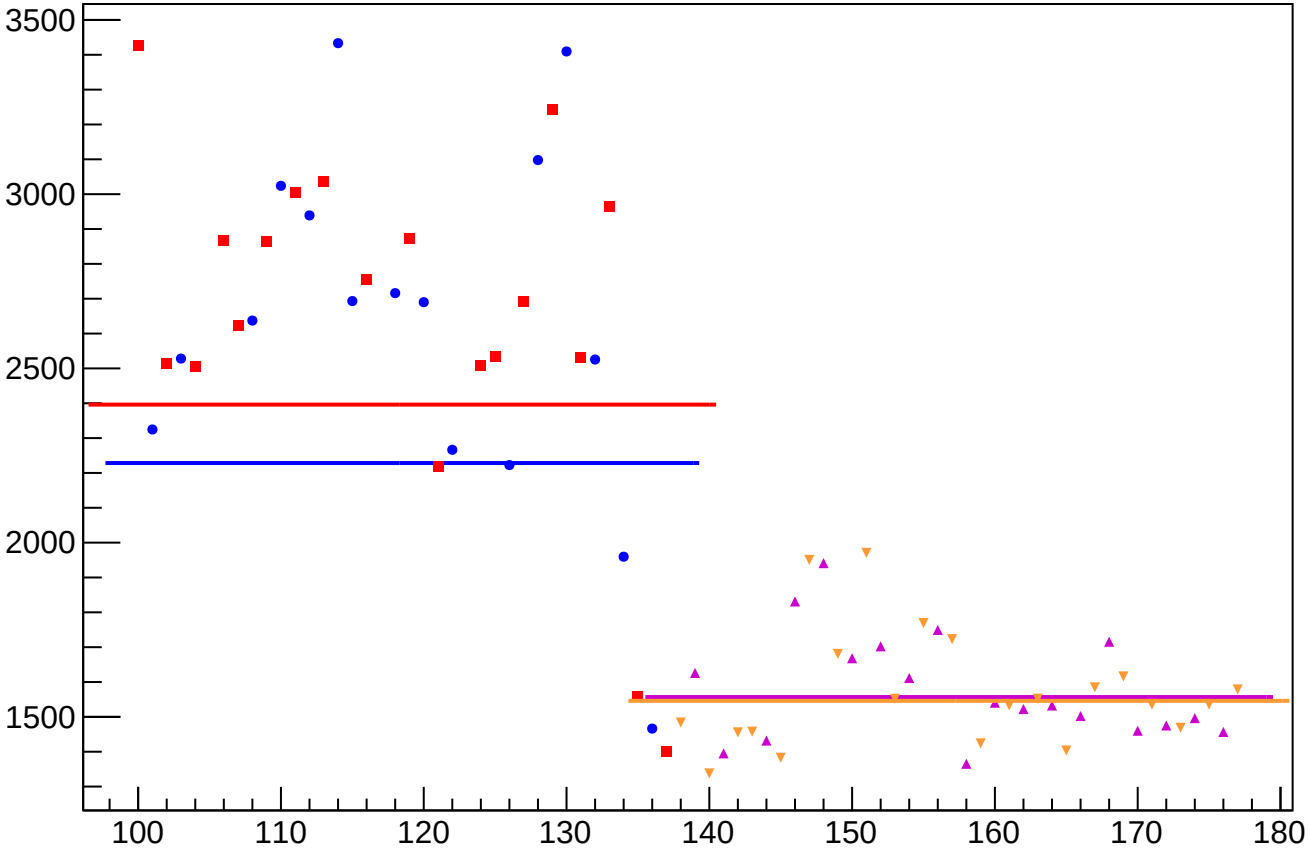
Left In: -189.681+/-397.392 χ^2/NDF:31.2/18

+ sign -992.415+/-348.541 χ^2/NDF: 54.3/36

All: -637.738+/-251.598 χ^2/NDF: 102.4/74

- sign -251.834+/-363.561 χ^2/NDF: 46.0/37

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1545.984+/-0.270 χ^2/NDF:312072.3/20

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

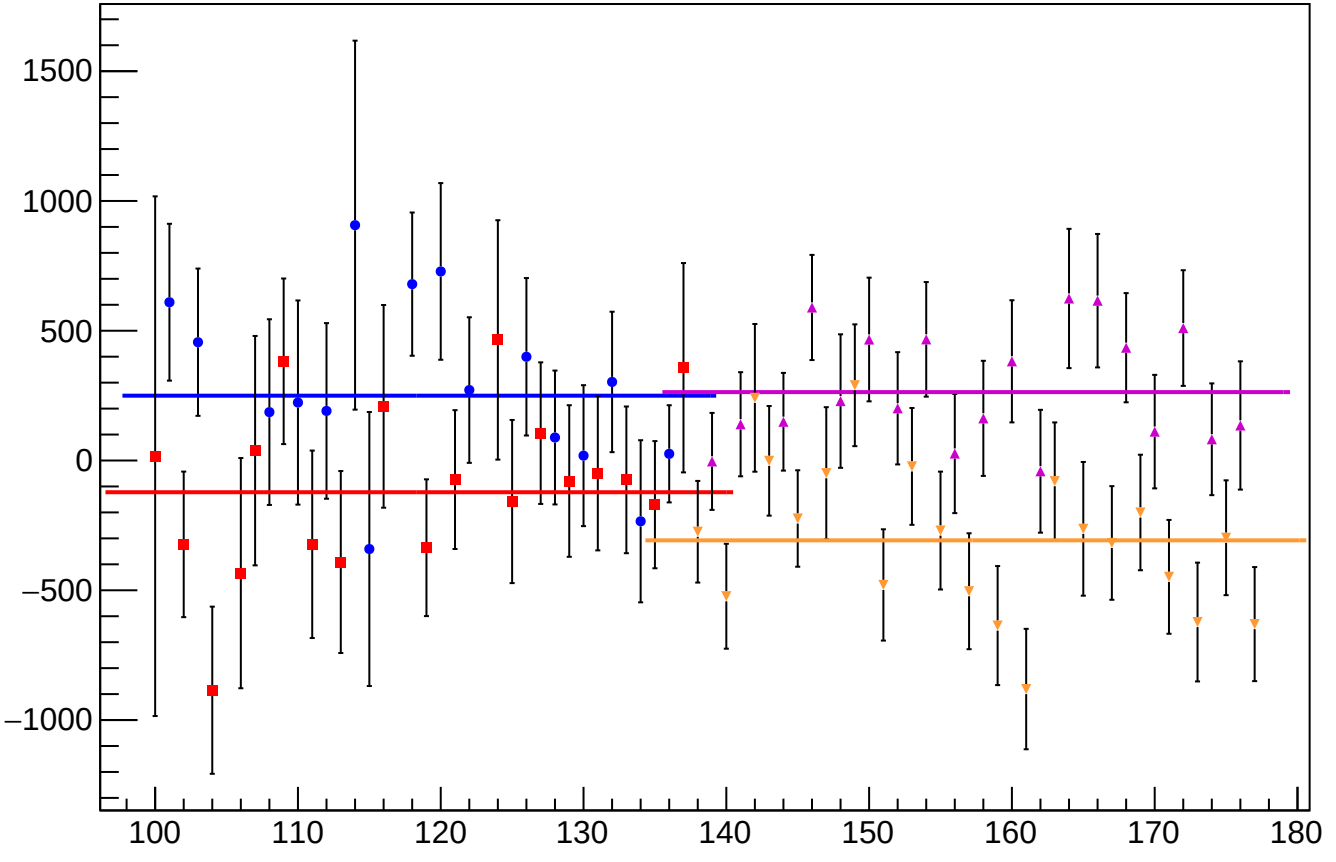
Left In: 1556.885+/-0.281 χ^2/NDF:261563.3/18

\+ sign 1658.316+/-0.246 χ^2/NDF: 2314081.6/36

All: 1675.256+/-0.178 χ^2/NDF: 4838908.8/74

\- sign 1693.688+/-0.257 χ^2/NDF: 2514961.9/37

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -307.612+/-48.616 χ^2/NDF:31.6/20

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

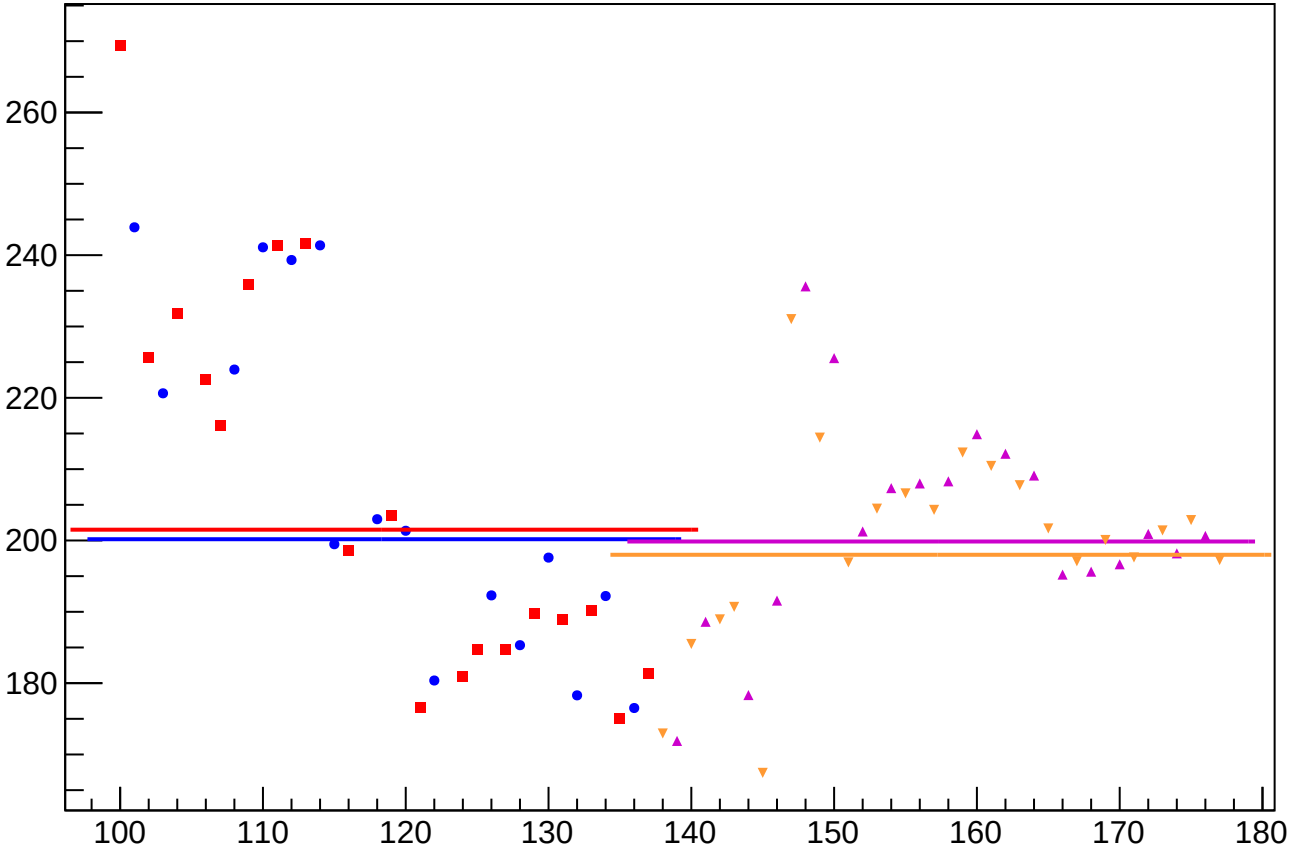
Left In: 263.540+/-50.863 χ^2/NDF:17.3/18

+ sign -142.321+/-40.776 χ^2/NDF: 84.4/36

All: -4.980+/-29.251 χ^2/NDF: 158.8/74

- sign 140.631+/-41.985 χ^2/NDF: 51.1/37

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.997+/-0.034 χ^2/NDF:167987.8/20

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

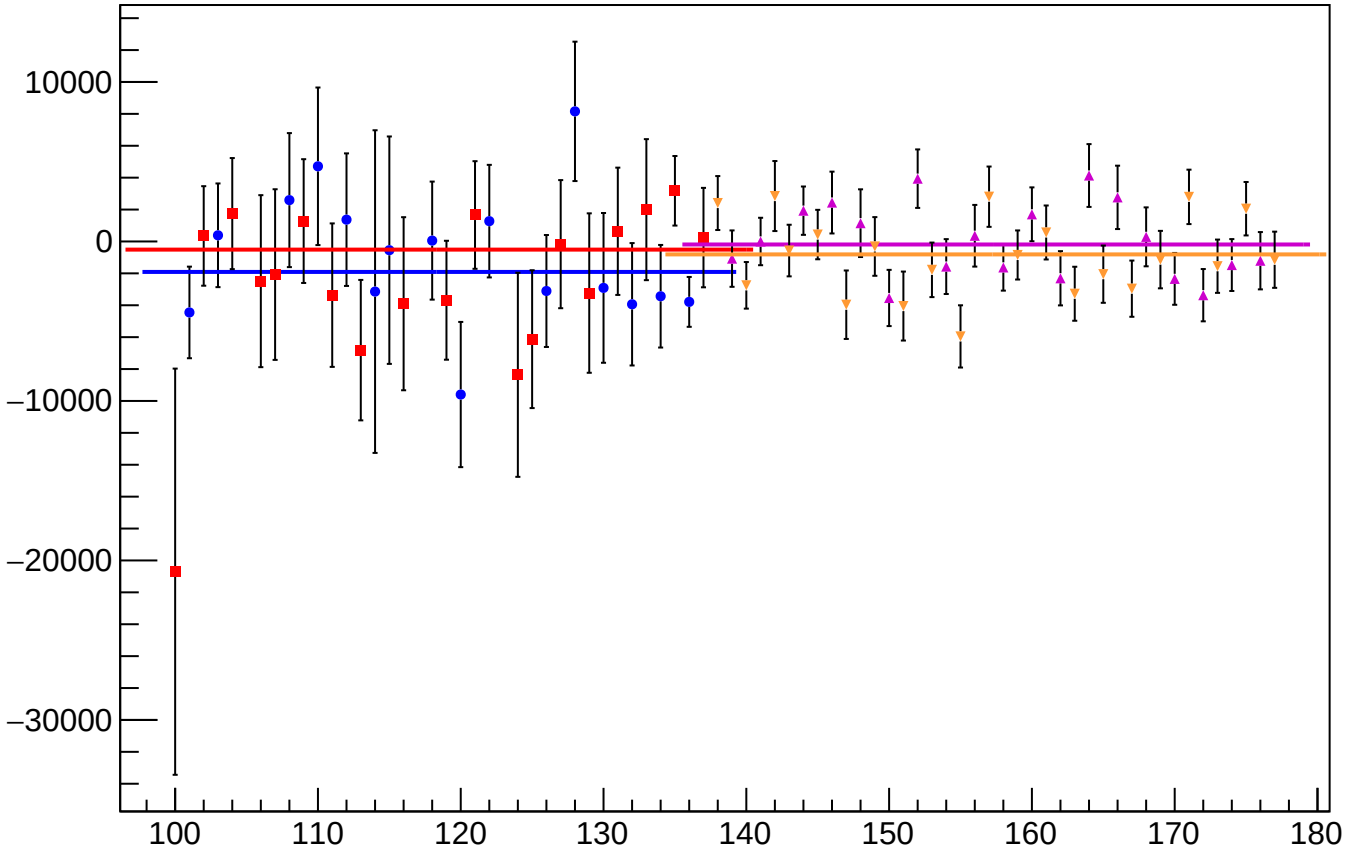
Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

+ sign 198.643+/-0.029 χ^2/NDF: 350182.2/36

All: 199.489+/-0.021 χ^2/NDF: 716412.1/74

- sign 200.385+/-0.030 χ^2/NDF: 364458.5/37

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -811.553+/-381.335 χ^2/NDF:36.6/20

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

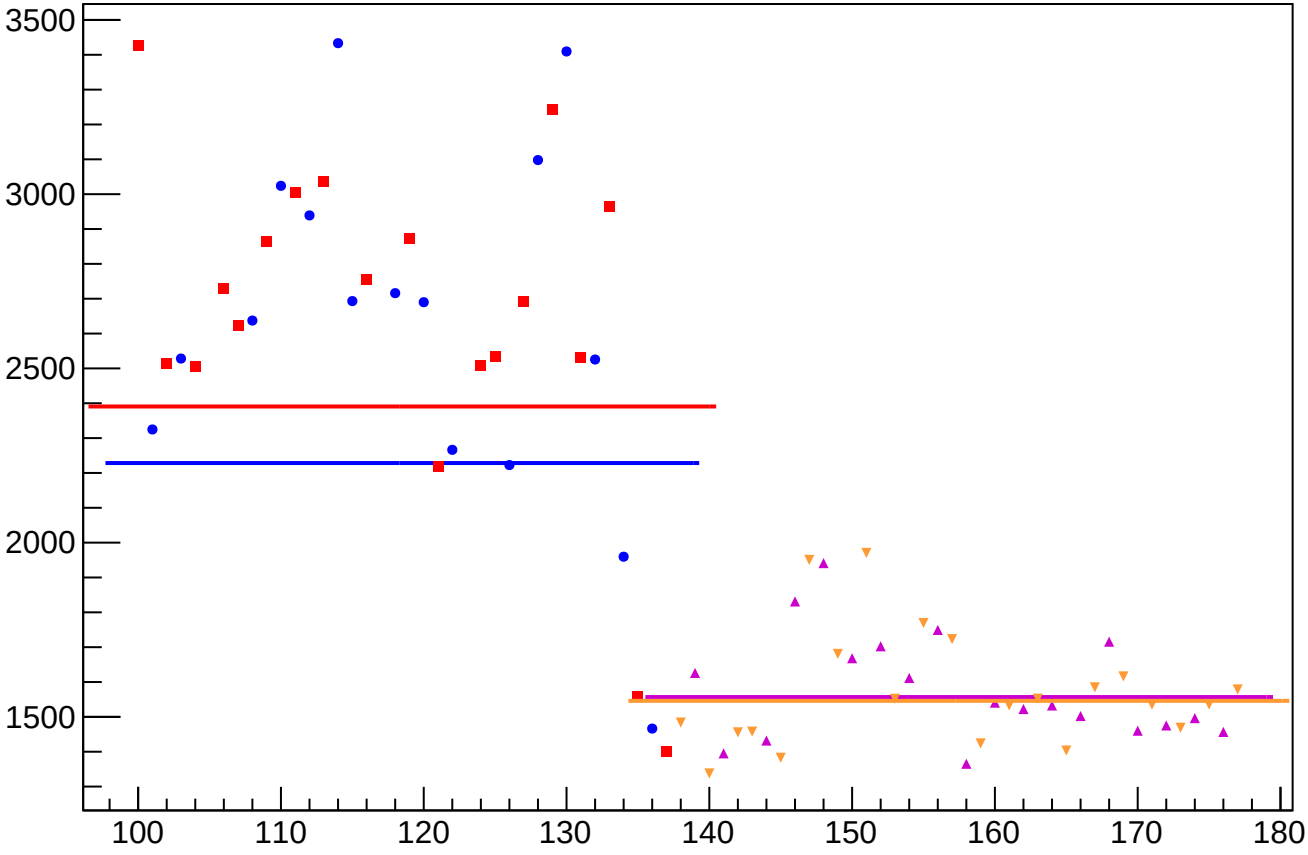
Left In: -189.682+/-397.392 χ^2/NDF:31.2/18

+ sign -992.409+/-348.541 χ^2/NDF: 54.3/36

All: -633.110+/-251.632 χ^2/NDF: 102.1/74

- sign -241.955+/-363.664 χ^2/NDF: 45.6/37

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1545.985+/-0.270 χ^2/NDF:312072.2/20

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

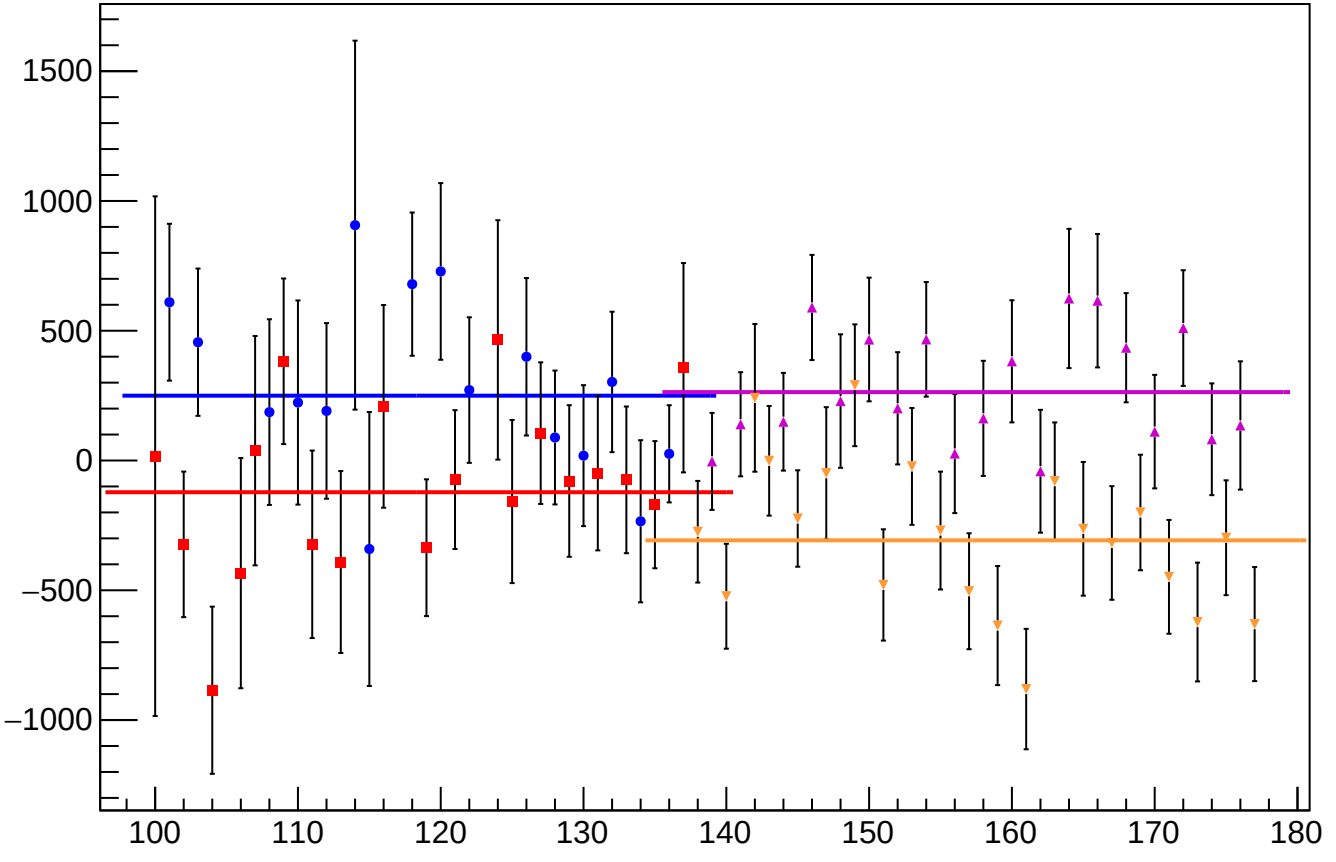
Left In: 1556.885+/-0.281 χ^2/NDF:261565.2/18

+ sign 1658.316+/-0.246 χ^2/NDF: 2314093.4/36

All: 1674.646+/-0.178 χ^2/NDF: 4806150.2/74

- sign 1692.422+/-0.257 χ^2/NDF: 2482887.9/37

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -307.612+/-48.616 χ^2/NDF:31.6/20

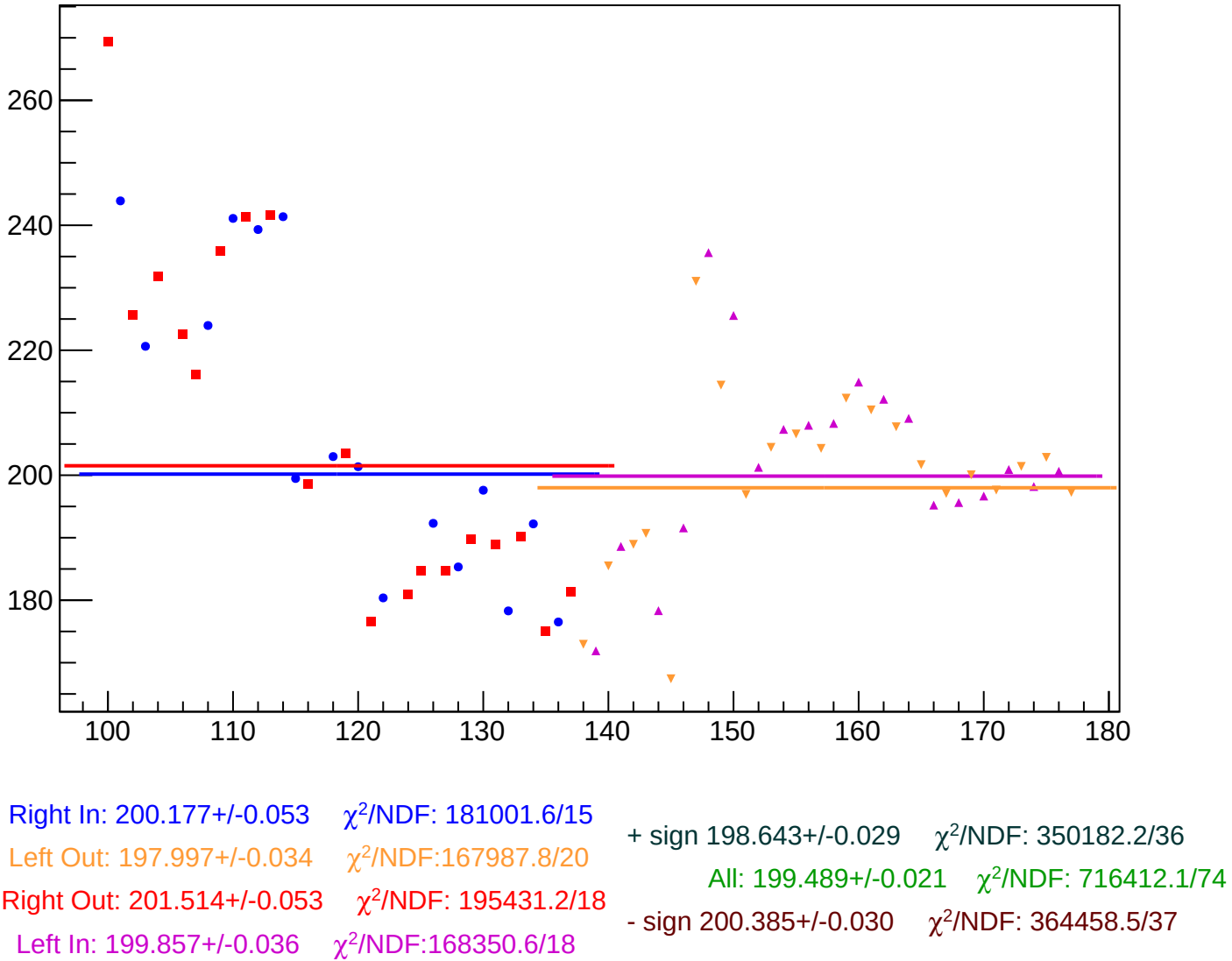
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

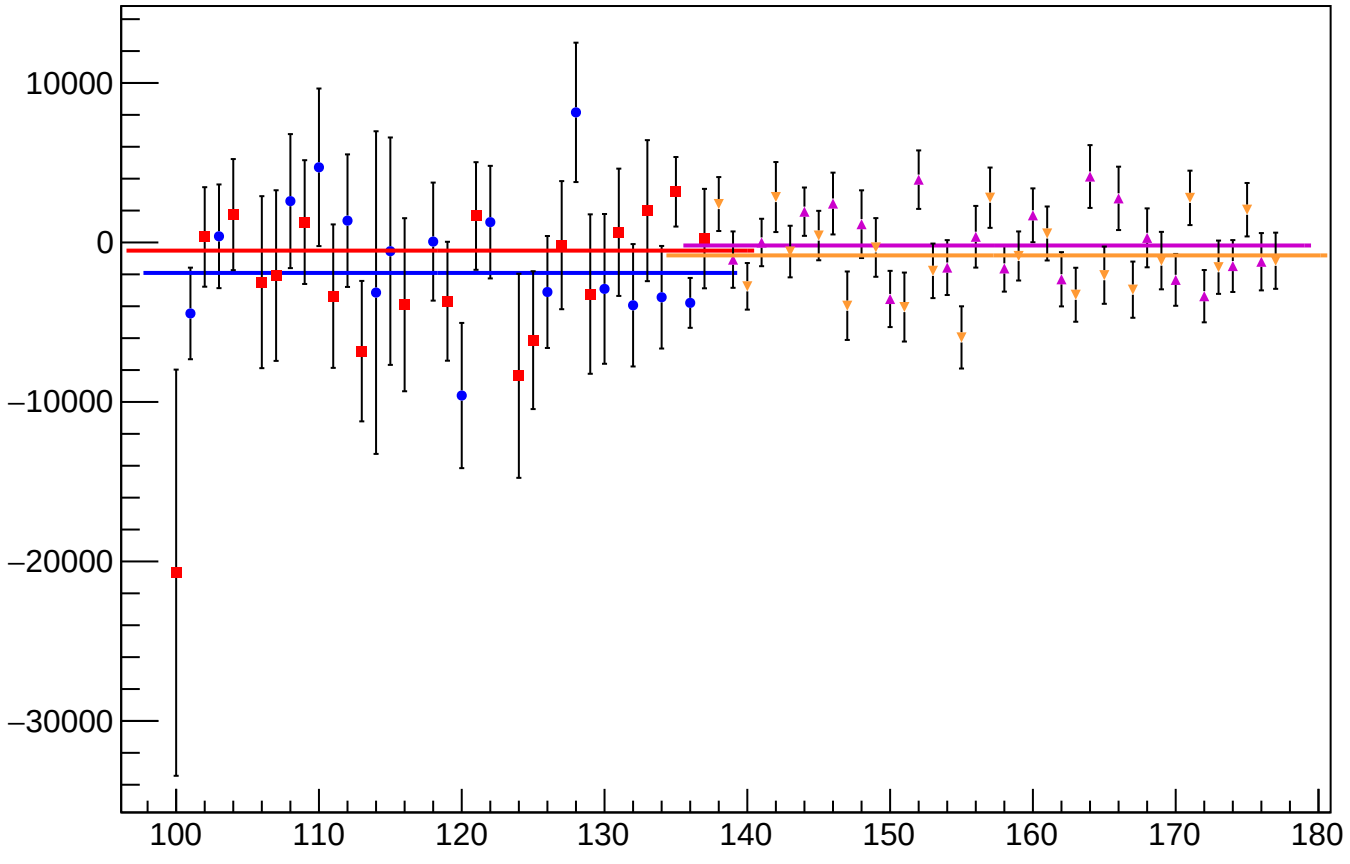
Left In: 263.540+/-50.863 χ^2/NDF:17.3/18

+ sign -142.321+/-40.776 χ^2/NDF: 84.4/36

All: -4.980+/-29.251 χ^2/NDF: 158.8/74

- sign 140.631+/-41.985 χ^2/NDF: 51.1/37


eigen_cor_asym_sam_26_dd_rms vs Slug
260
240
220
200
180
100
110
120
130
140
150
160
170
180
Right In: 200.177+/-0.053 χ²/NDF: 181001.6/15
Left Out: 197.997+/-0.034 χ²/NDF:167987.8/20
Right Out: 201.514+/-0.053 χ²/NDF: 195431.2/18
Left In: 199.857+/-0.036 χ²/NDF:168350.6/18
+ sign 198.643+/-0.029 χ²/NDF: 350182.2/36
All: 199.489+/-0.021 χ²/NDF: 716412.1/74
- sign 200.385+/-0.030 χ²/NDF: 364458.5/37



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -811.553+/-381.335 χ^2/NDF:36.6/20

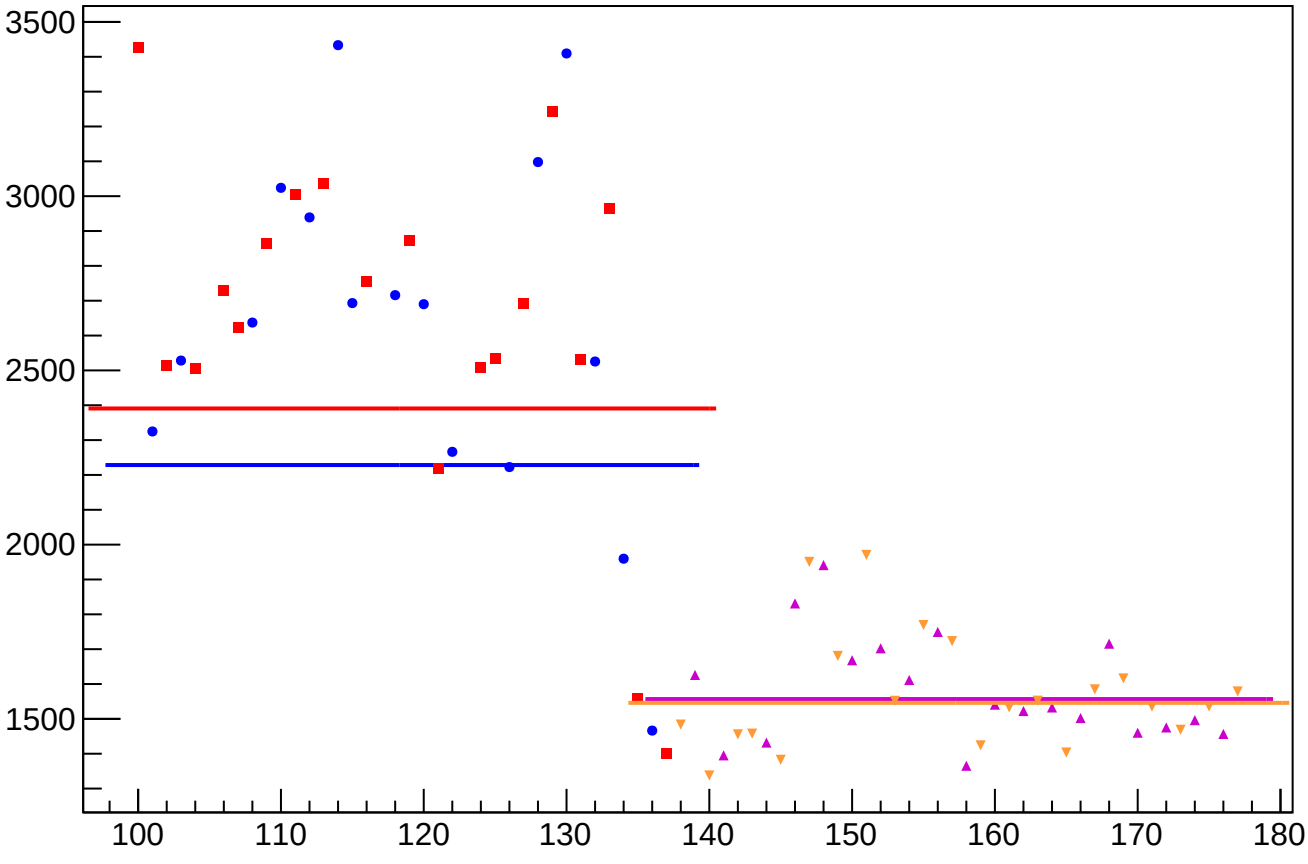
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -189.682+/-397.392 χ^2/NDF:31.2/18

+ sign -992.409+/-348.541 χ^2/NDF: 54.3/36

All: -633.110+/-251.632 χ^2/NDF: 102.1/74

- sign -241.955+/-363.664 χ^2/NDF: 45.6/37



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1545.985+/-0.270 χ^2/NDF:312072.2/20

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

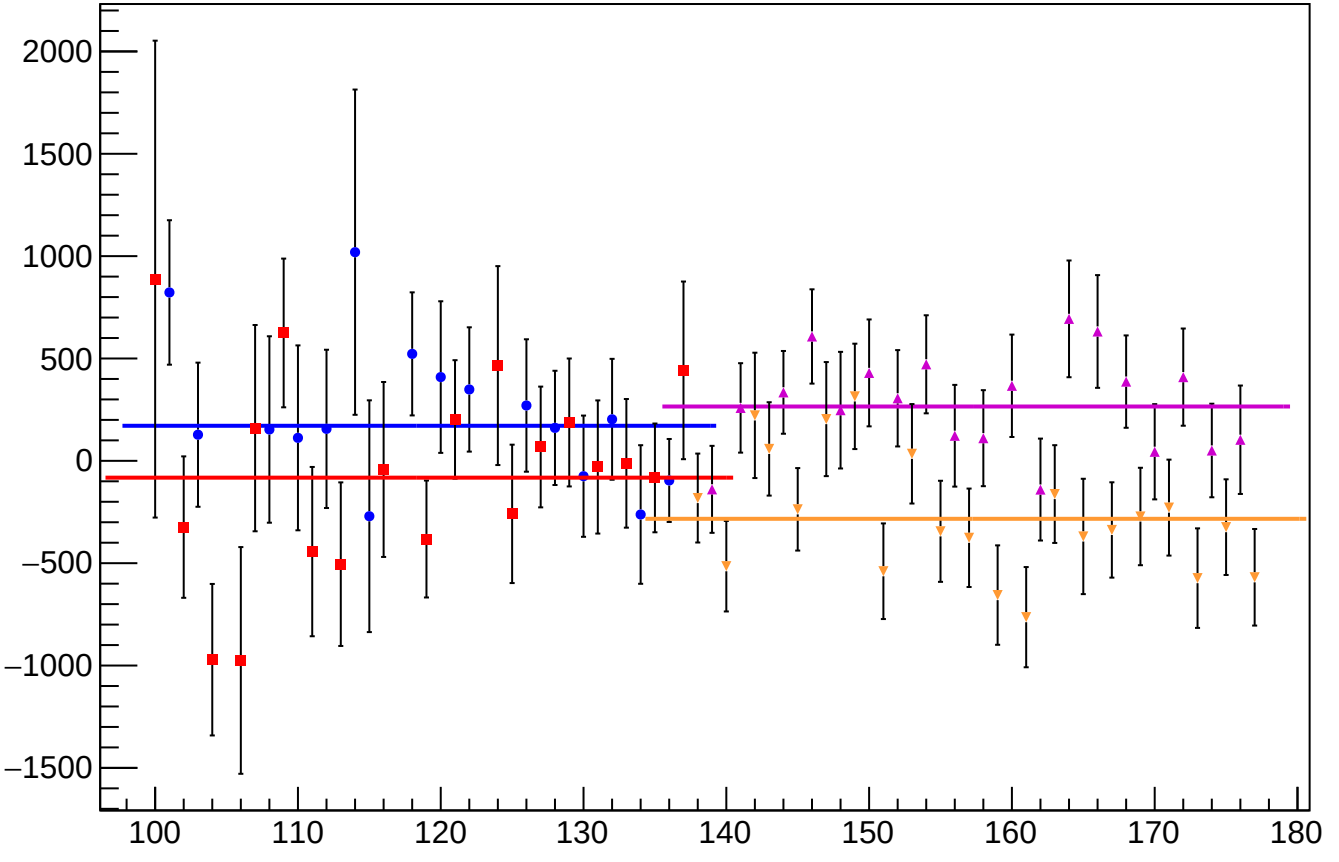
Left In: 1556.885+/-0.281 χ^2/NDF:261565.2/18

+ sign 1658.316+/-0.246 χ^2/NDF: 2314093.4/36

All: 1674.646+/-0.178 χ^2/NDF: 4806150.2/74

- sign 1692.422+/-0.257 χ^2/NDF: 2482887.9/37

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -283.189+/-52.387 χ^2/NDF:27.5/20

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

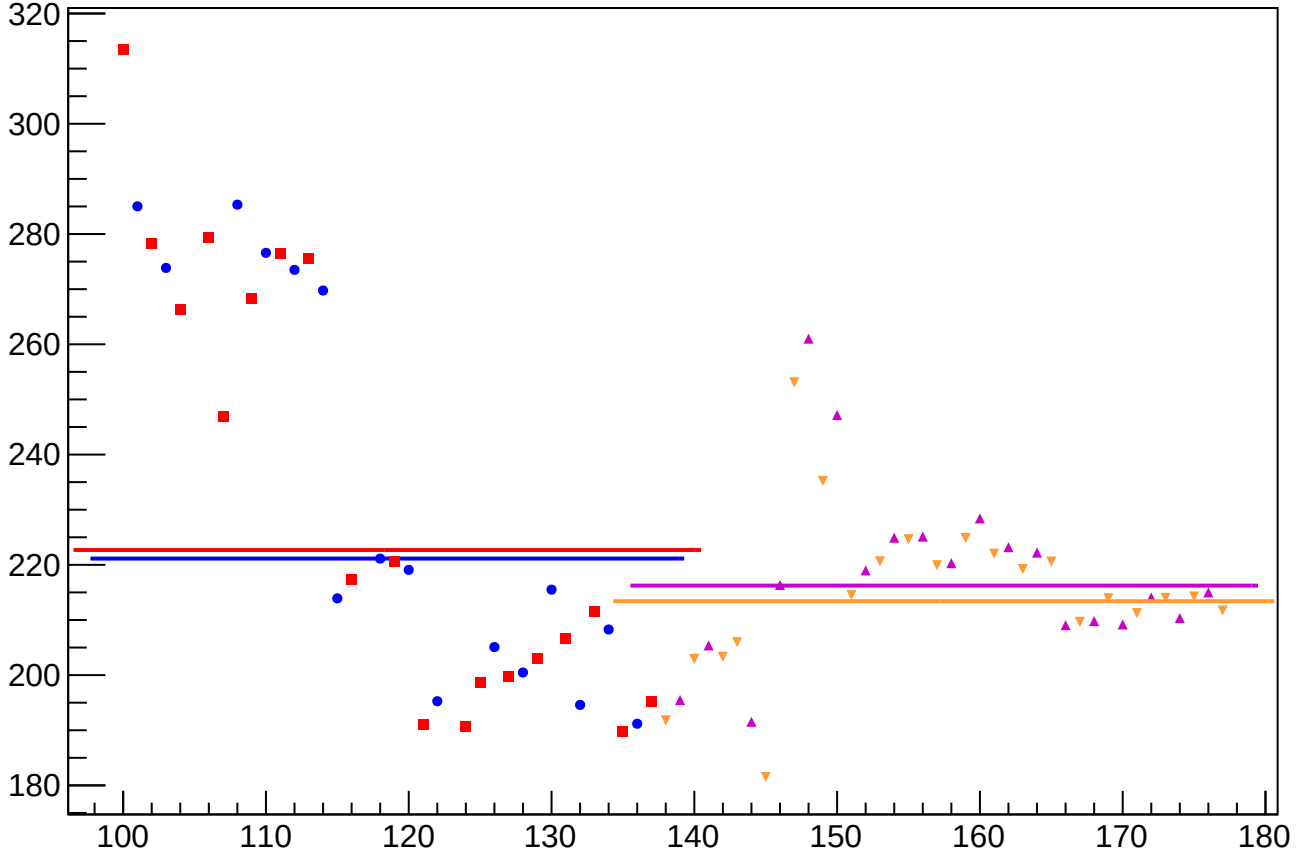
Left In: 265.440+/-55.035 χ^2/NDF:17.6/18

+ sign -153.983+/-44.318 χ^2/NDF: 60.4/36

All: -2.859+/-31.846 χ^2/NDF: 135.9/74

- sign 158.475+/-45.791 χ^2/NDF: 51.4/37

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.403+/-0.037 χ^2/NDF:151259.6/20

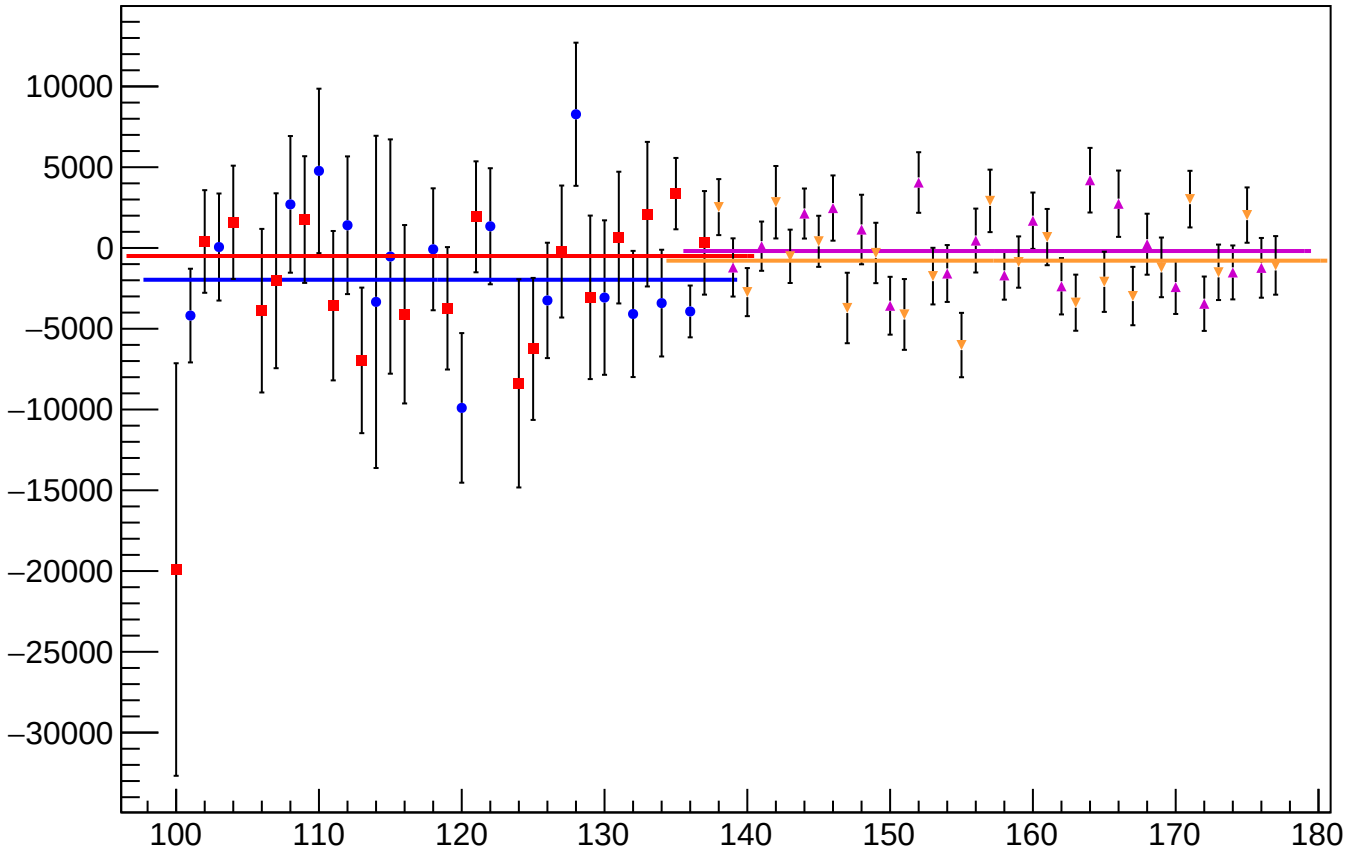
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.233+/-0.039 χ^2/NDF:150970.1/18

\+ sign 215.603+/-0.031 χ^2/NDF: 482361.5/36

All: 216.869+/-0.023 χ^2/NDF: 972235.7/74

\- sign 218.222+/-0.032 χ^2/NDF: 486495.0/37



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -786.164+/-390.651 χ^2/NDF:36.2/20

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

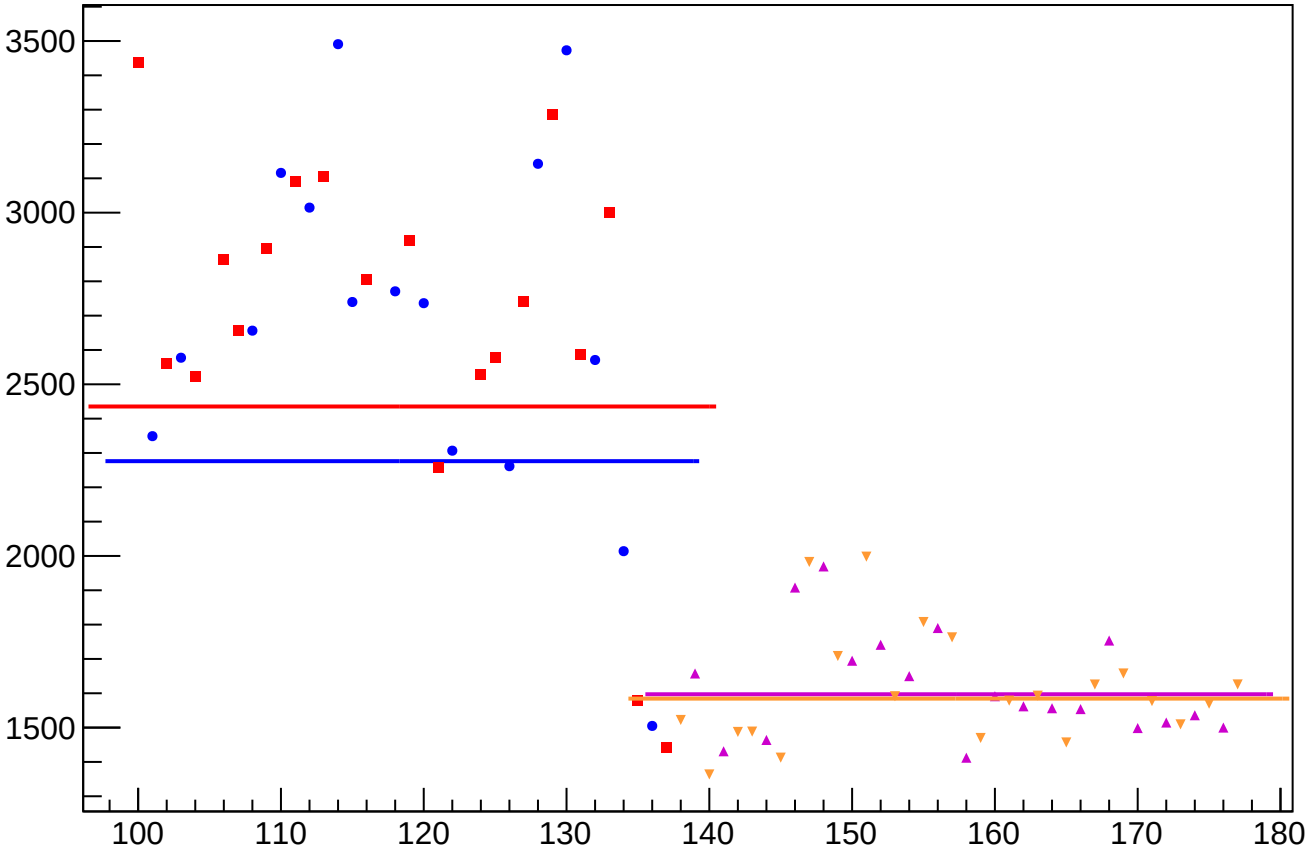
Left In: -188.739+/-407.542 χ^2/NDF:31.3/18

\+ sign -981.884+/-356.823 χ^2/NDF: 53.9/36

All: -626.574+/-257.599 χ^2/NDF: 102.0/74

\- sign -239.838+/-372.268 χ^2/NDF: 46.1/37

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1584.437+/-0.276 χ^2/NDF:298602.8/20

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

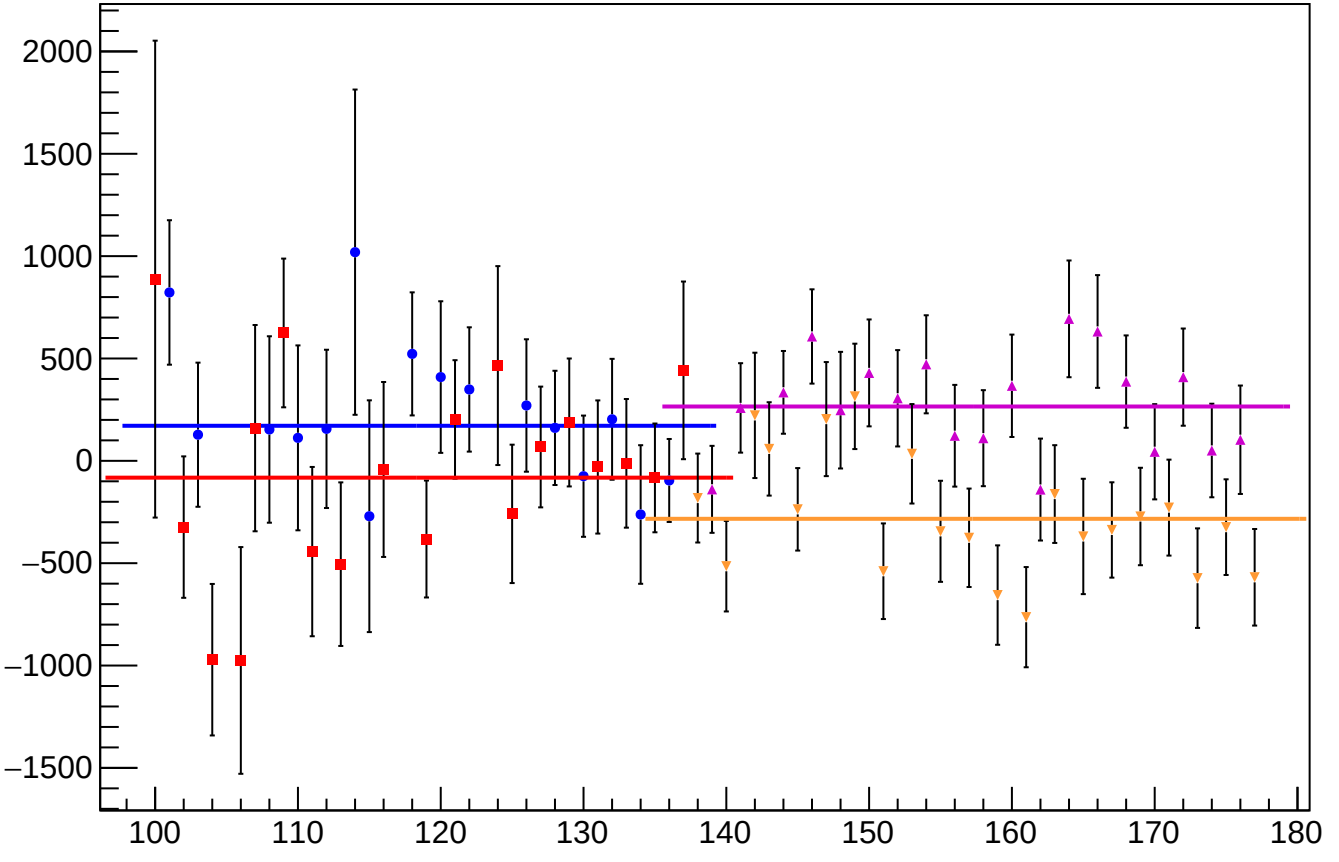
Left In: 1597.092+/-0.288 χ^2/NDF:252941.8/18

+ sign 1699.044+/-0.252 χ^2/NDF: 2264494.1/36

All: 1716.701+/-0.182 χ^2/NDF: 4720519.3/74

- sign 1735.920+/-0.263 χ^2/NDF: 2445797.0/37

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -283.191+/-52.387 χ^2/NDF:27.5/20

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

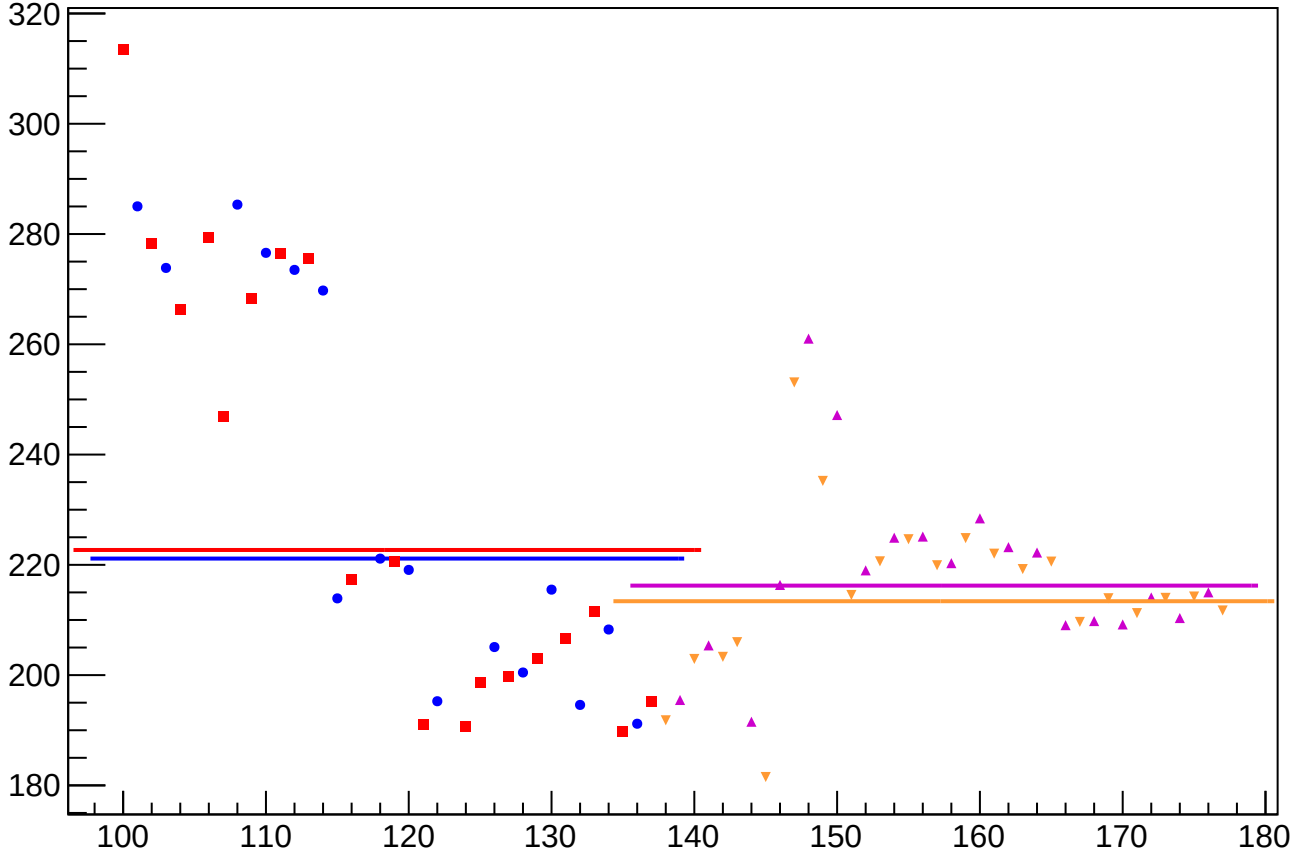
Left In: 265.441+/-55.035 χ^2/NDF:17.6/18

+ sign -153.983+/-44.318 χ^2/NDF: 60.4/36

All: -2.859+/-31.846 χ^2/NDF: 135.9/74

- sign 158.476+/-45.791 χ^2/NDF: 51.4/37

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.403+/-0.037 χ^2/NDF:151263.7/20

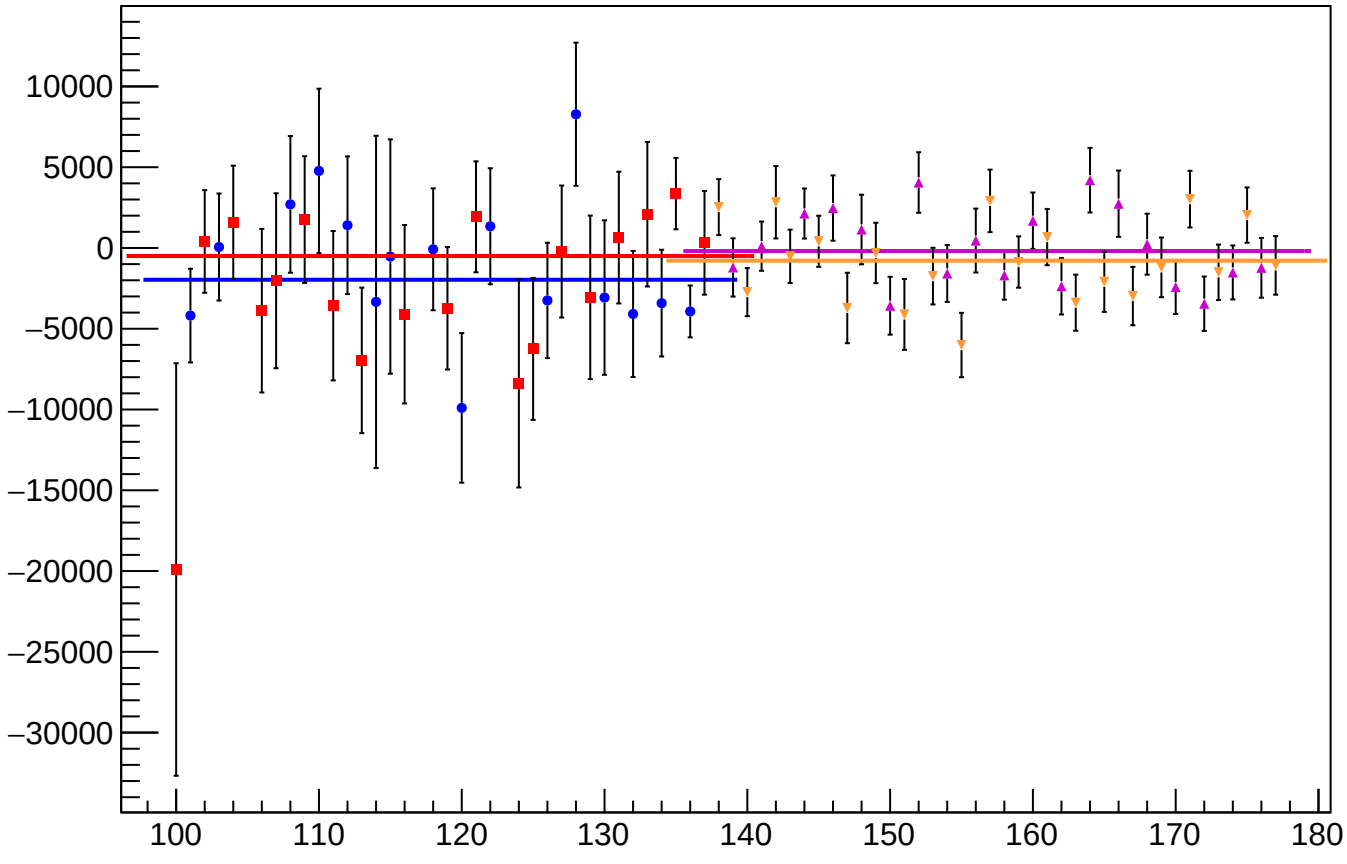
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.232+/-0.039 χ^2/NDF:150972.6/18

+ sign 215.602+/-0.031 χ^2/NDF: 482357.1/36

All: 216.869+/-0.023 χ^2/NDF: 972224.8/74

- sign 218.222+/-0.032 χ^2/NDF: 486488.6/37



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -786.165+/-390.651 χ^2/NDF:36.2/20

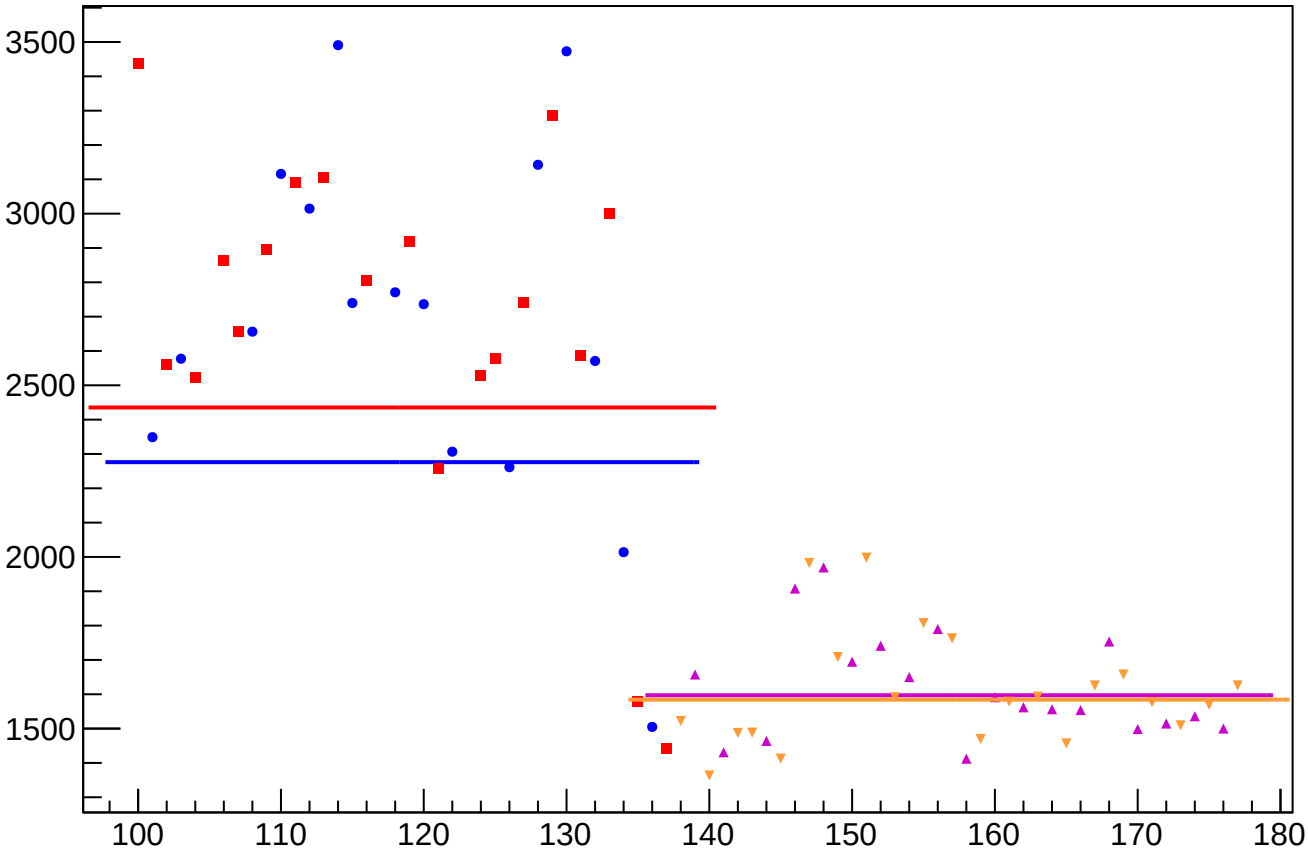
Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -188.739+/-407.542 χ^2/NDF:31.3/18

+ sign -981.885+/-356.823 χ^2/NDF: 53.9/36

All: -626.574+/-257.599 χ^2/NDF: 102.0/74

- sign -239.839+/-372.268 χ^2/NDF: 46.1/37



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1584.437+/-0.276 χ^2/NDF:298605.4/20

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

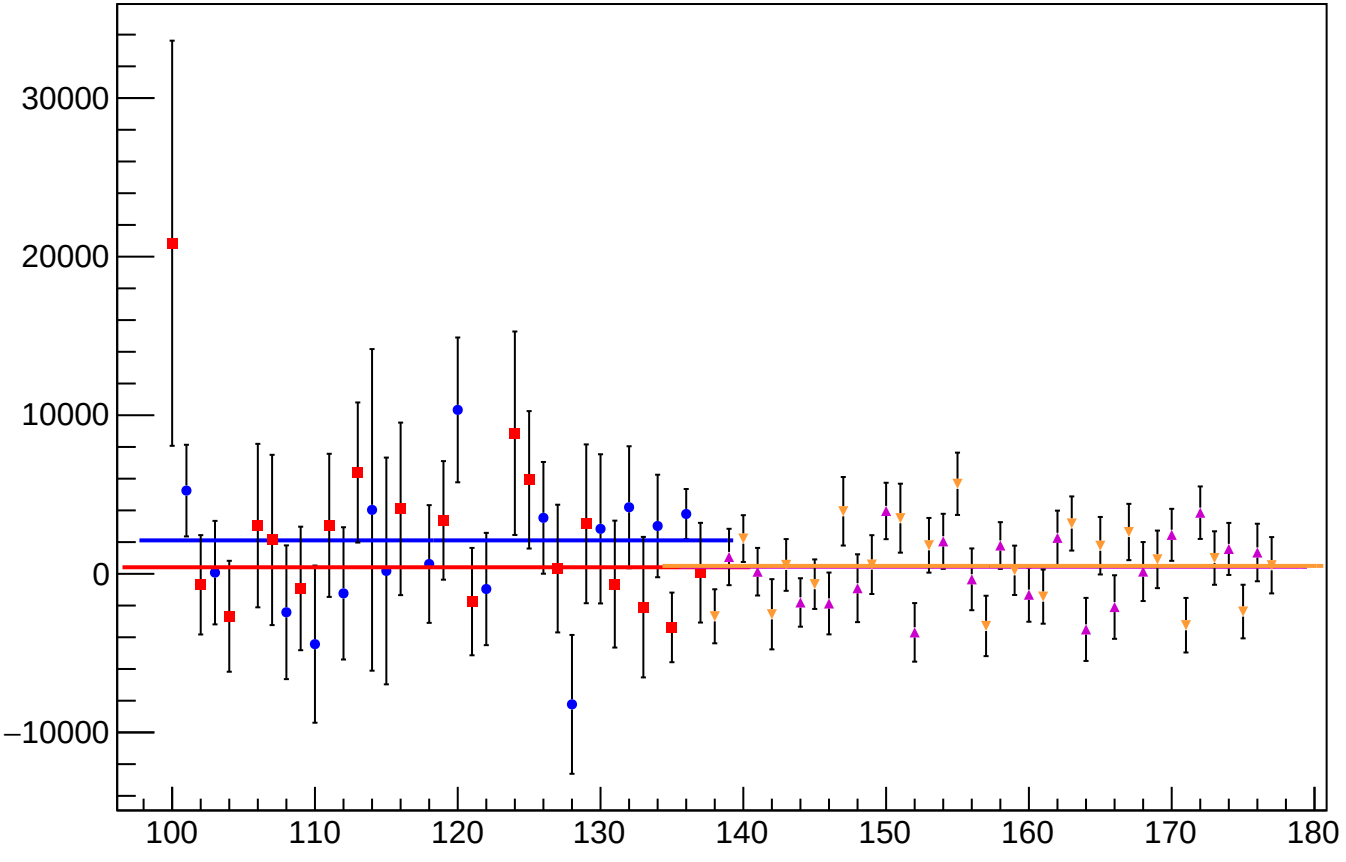
Left In: 1597.092+/-0.288 χ^2/NDF:252942.9/18

+ sign 1699.044+/-0.252 χ^2/NDF: 2264480.8/36

All: 1716.701+/-0.182 χ^2/NDF: 4720492.5/74

- sign 1735.920+/-0.263 χ^2/NDF: 2445783.6/37

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 500.065+/-384.565 χ^2/NDF:36.7/20

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

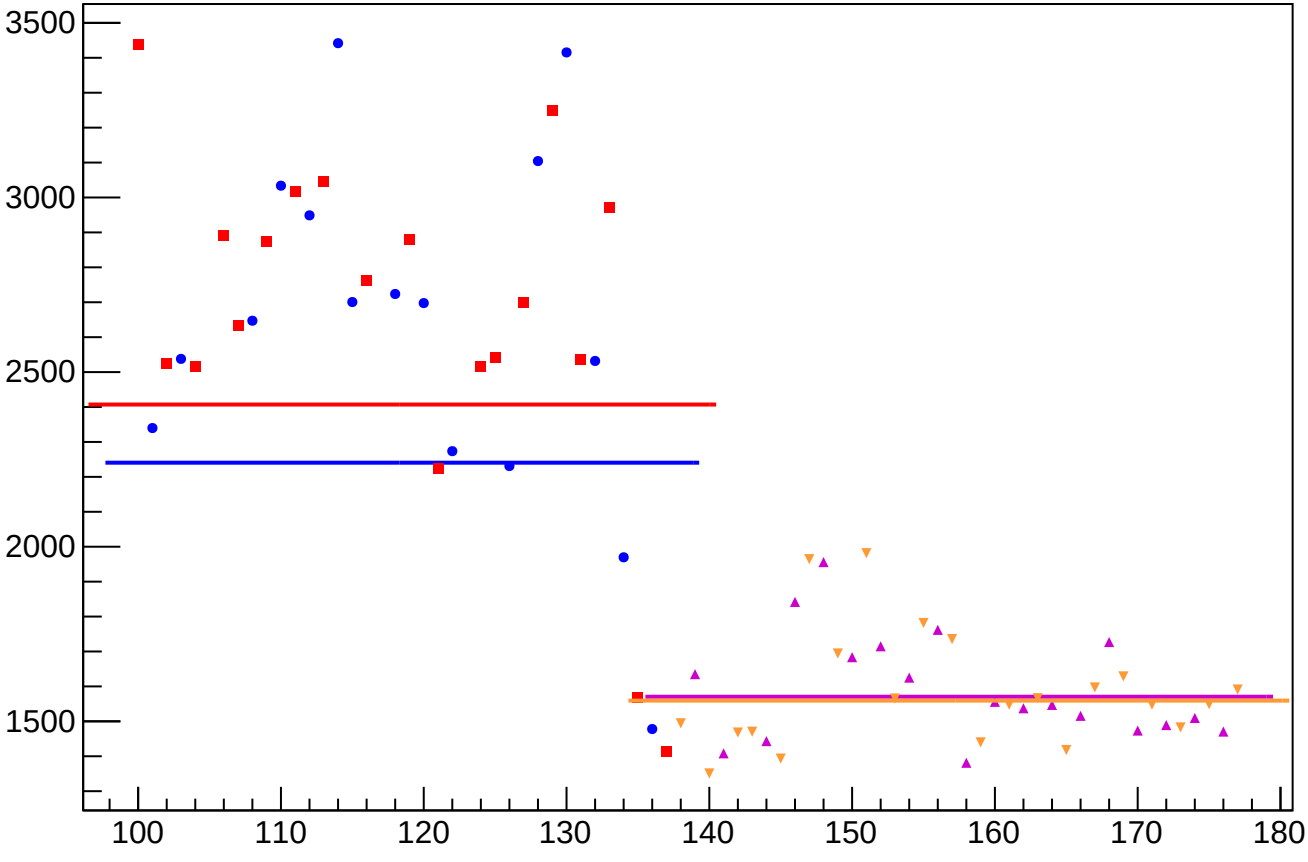
Left In: 446.772+/-400.802 χ^2/NDF:29.2/18

+ sign 766.563+/-351.287 χ^2/NDF: 56.2/36

All: 610.843+/-253.582 χ^2/NDF: 100.5/74

- sign 441.408+/-366.432 χ^2/NDF: 43.8/37

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1559.317+/-0.272 χ^2/NDF:306696.4/20

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

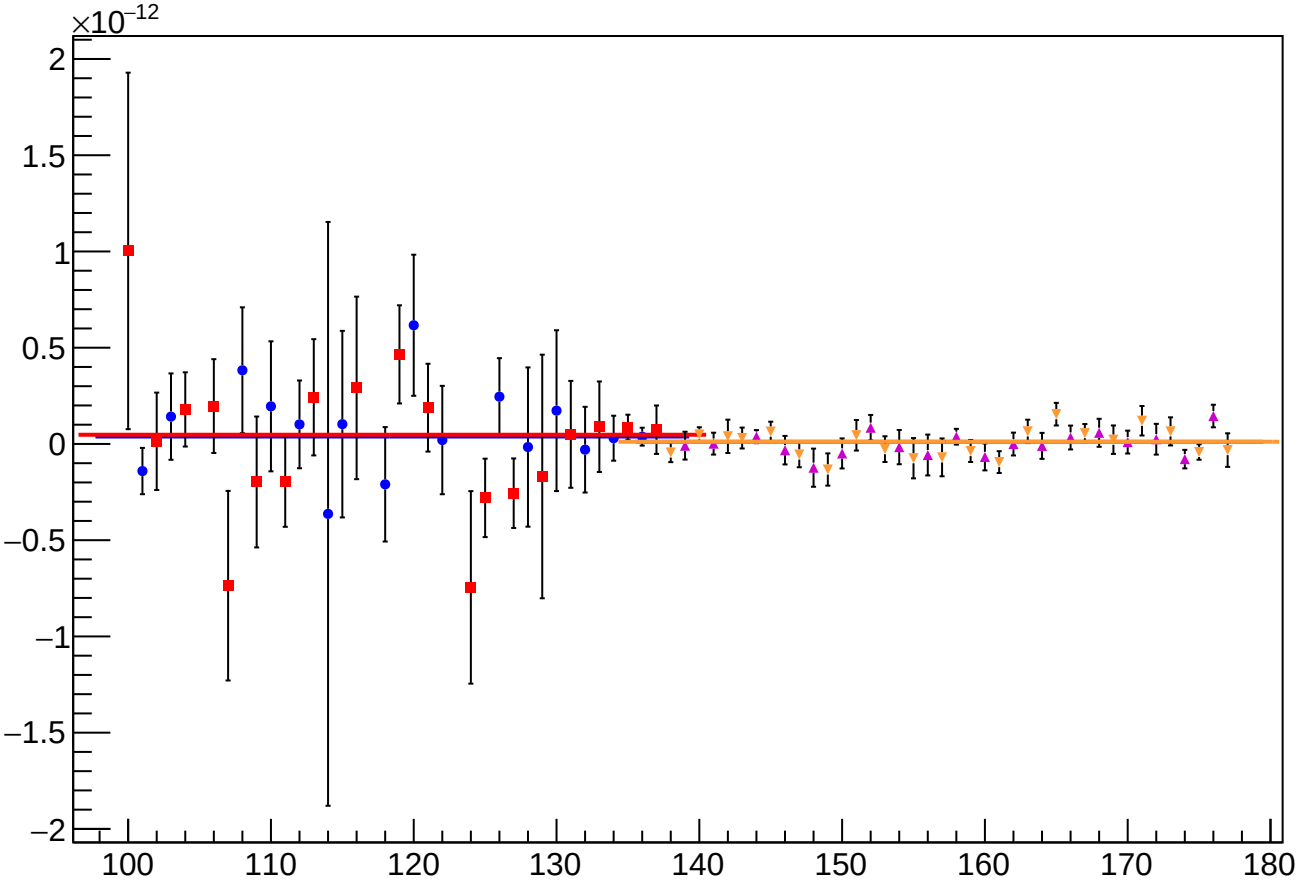
Left In: 1570.482+/-0.283 χ^2/NDF:255698.8/18

+ sign 1672.129+/-0.248 χ^2/NDF: 2279700.1/36

All: 1689.222+/-0.179 χ^2/NDF: 4764805.7/74

- sign 1707.821+/-0.259 χ^2/NDF: 2475217.8/37

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:25.8/20

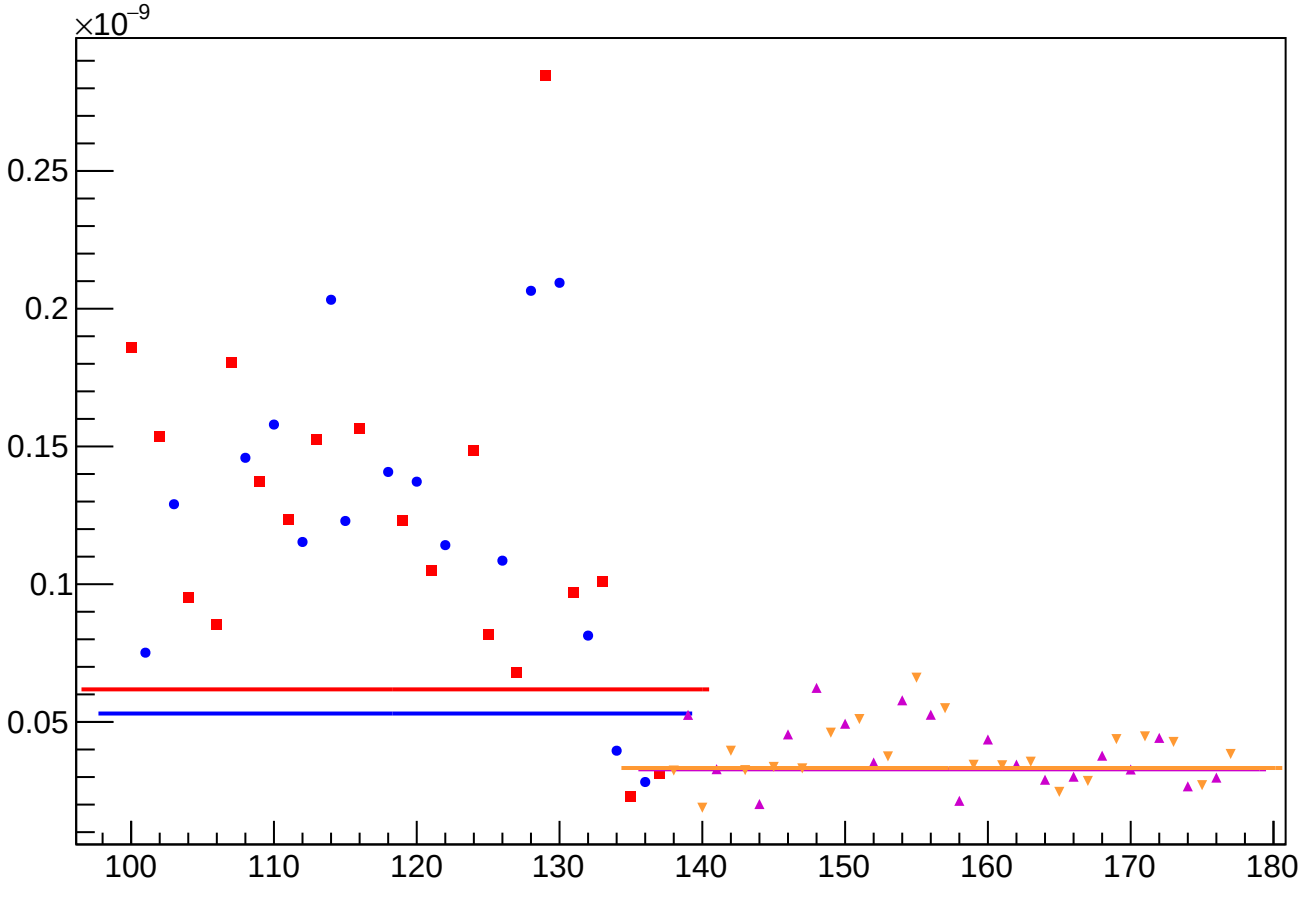
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/36

All: 0.000+/-0.000 χ^2/NDF: 69.9/74

- sign 0.000+/-0.000 χ^2/NDF: 35.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:998433.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

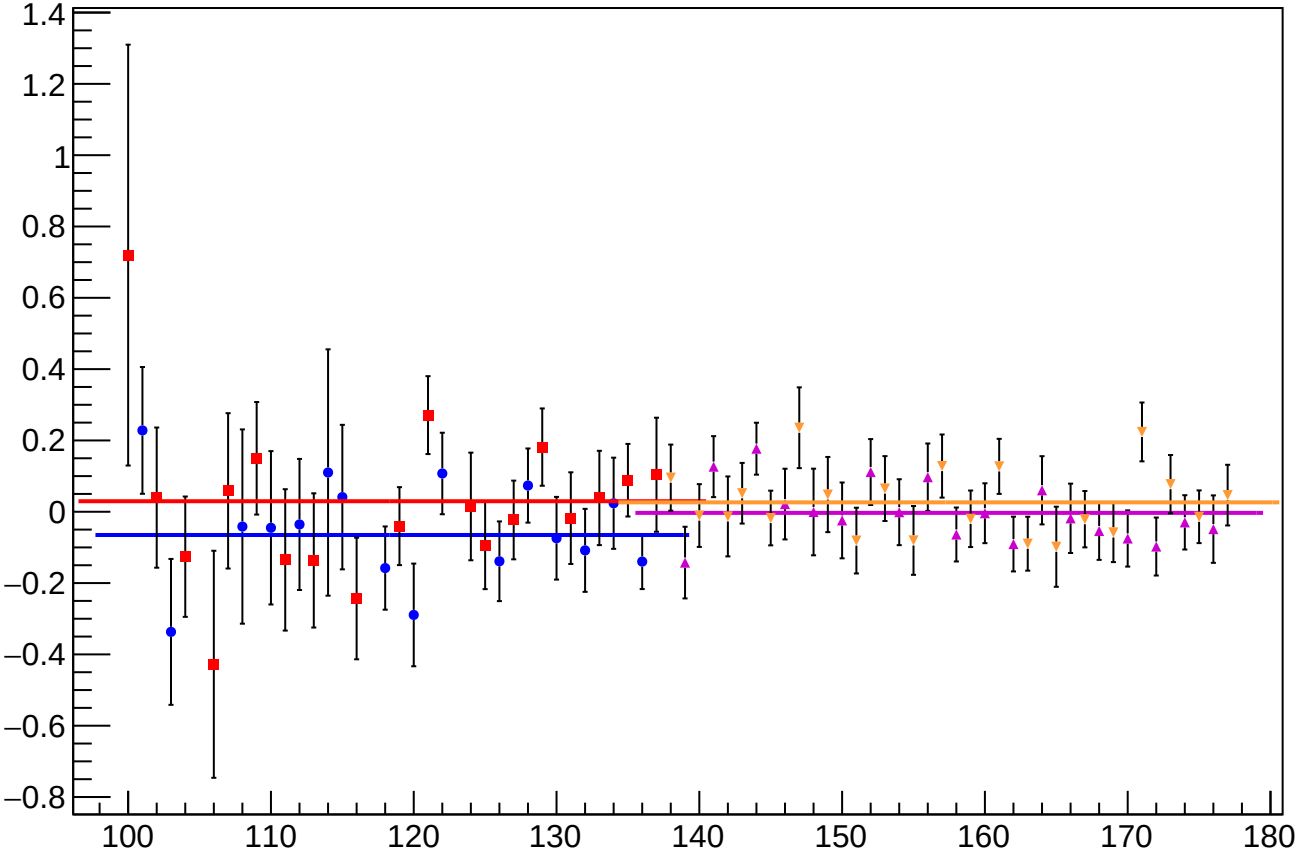
Left In: 0.000+/-0.000 χ^2/NDF:1284408.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 4098710.7/36

All: 0.000+/-0.000 χ^2/NDF: 8612127.0/74

- sign 0.000+/-0.000 χ^2/NDF: 4513405.5/37

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: 0.026+/-0.019 χ^2/NDF:22.3/20

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

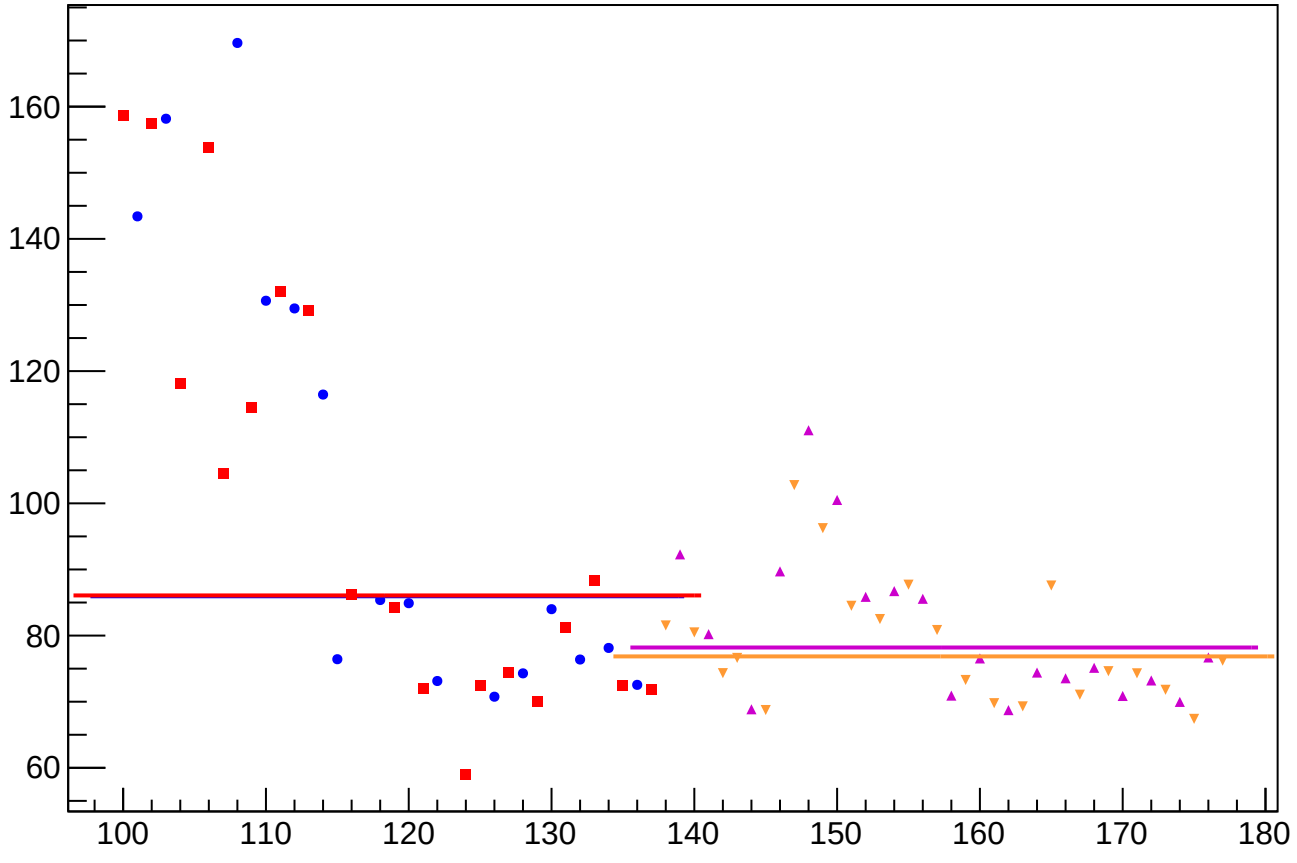
Left In: -0.003+/-0.020 χ^2/NDF:18.4/18

+ sign 0.004+/-0.016 χ^2/NDF: 42.2/36

All: 0.005+/-0.012 χ^2/NDF: 79.4/74

- sign 0.006+/-0.017 χ^2/NDF: 37.2/37

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: 76.851+/-0.013 χ^2/NDF:368657.9/20

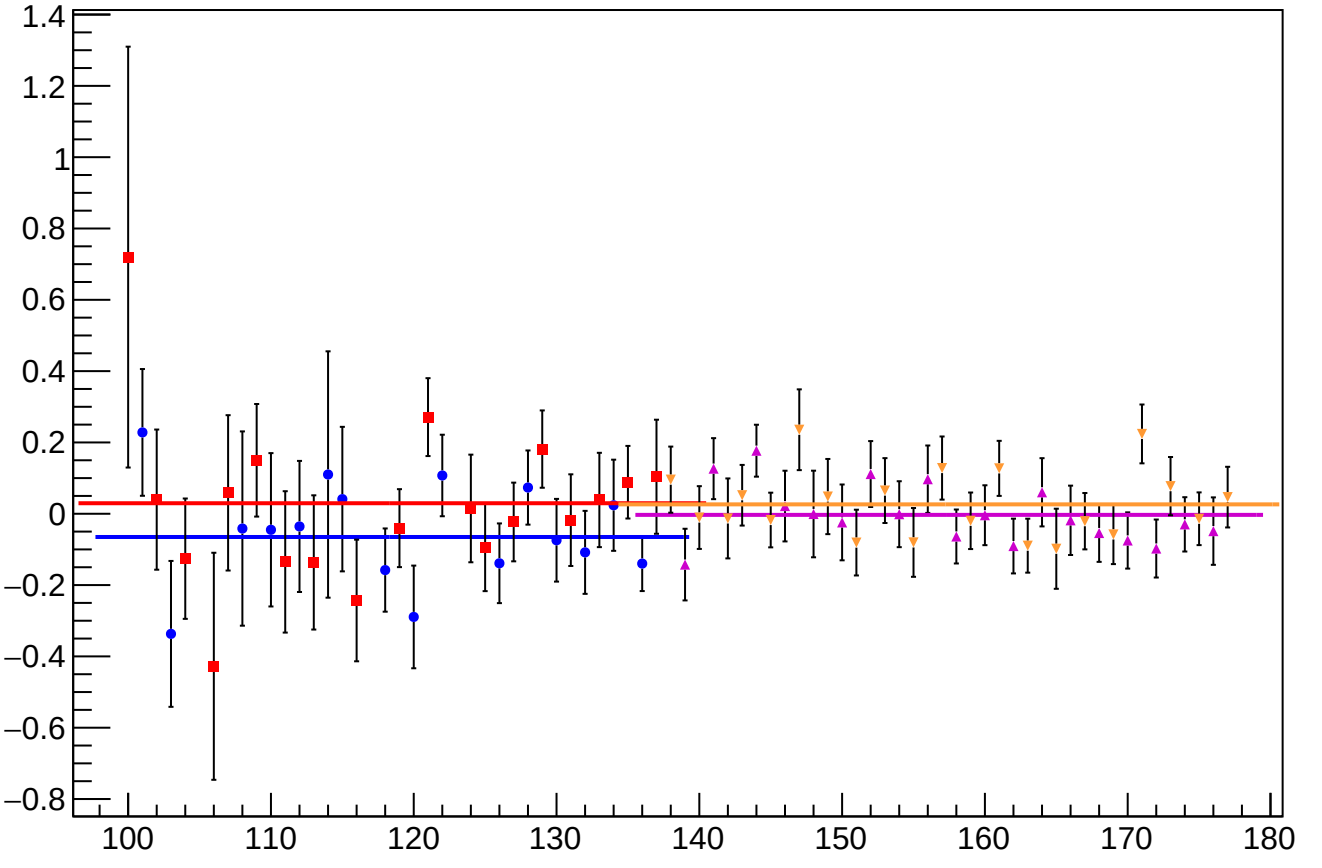
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.198+/-0.014 χ^2/NDF:486682.0/18

\+ sign 79.079+/-0.012 χ^2/NDF: 1516256.0/36

All: 79.680+/-0.008 χ^2/NDF: 3083086.9/74

\- sign 80.330+/-0.012 χ^2/NDF: 1561295.2/37



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.019 χ^2/NDF:22.3/20

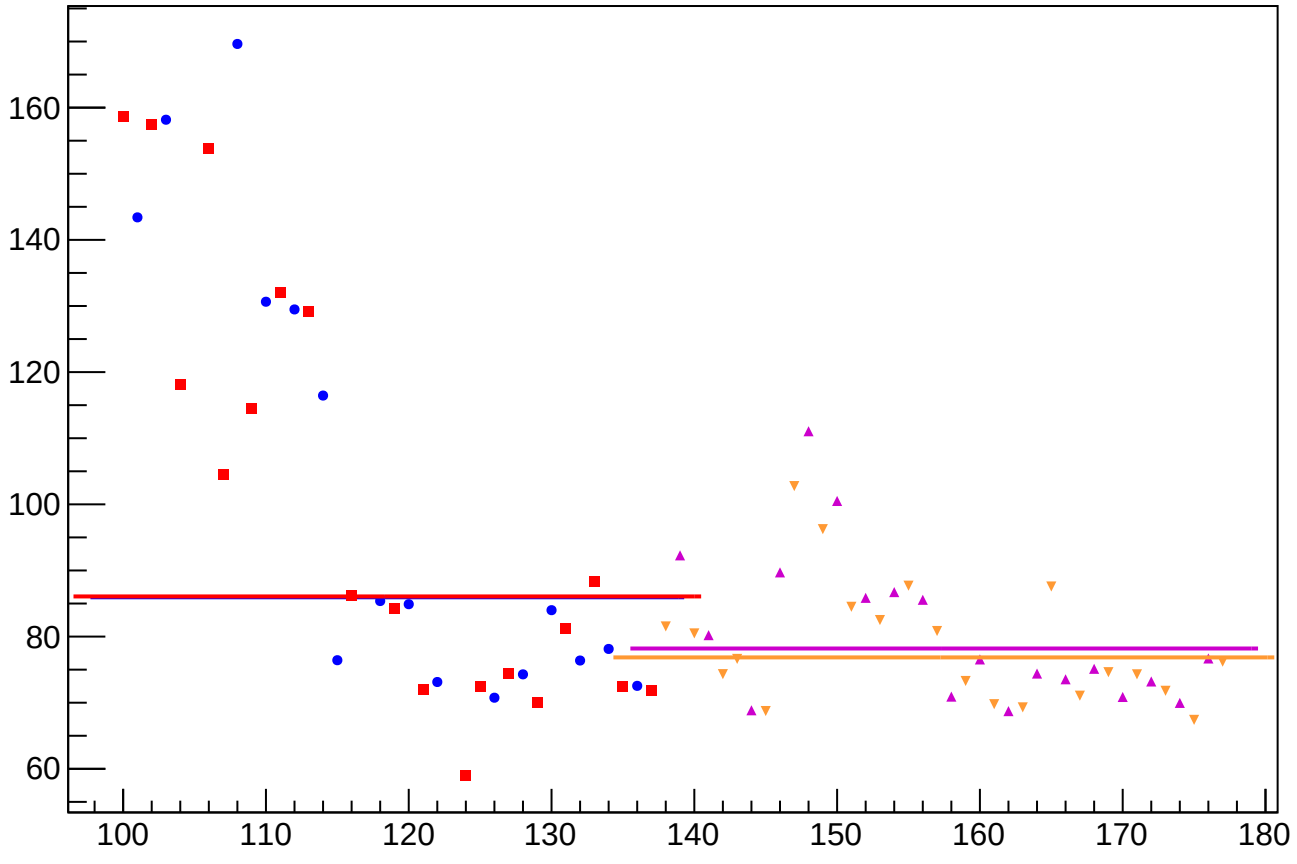
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.003+/-0.020 χ^2/NDF:18.4/18

+ sign 0.004+/-0.016 χ^2/NDF: 42.2/36

All: 0.005+/-0.012 χ^2/NDF: 79.4/74

- sign 0.006+/-0.017 χ^2/NDF: 37.2/37



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.851+/-0.013 χ^2/NDF:368657.9/20

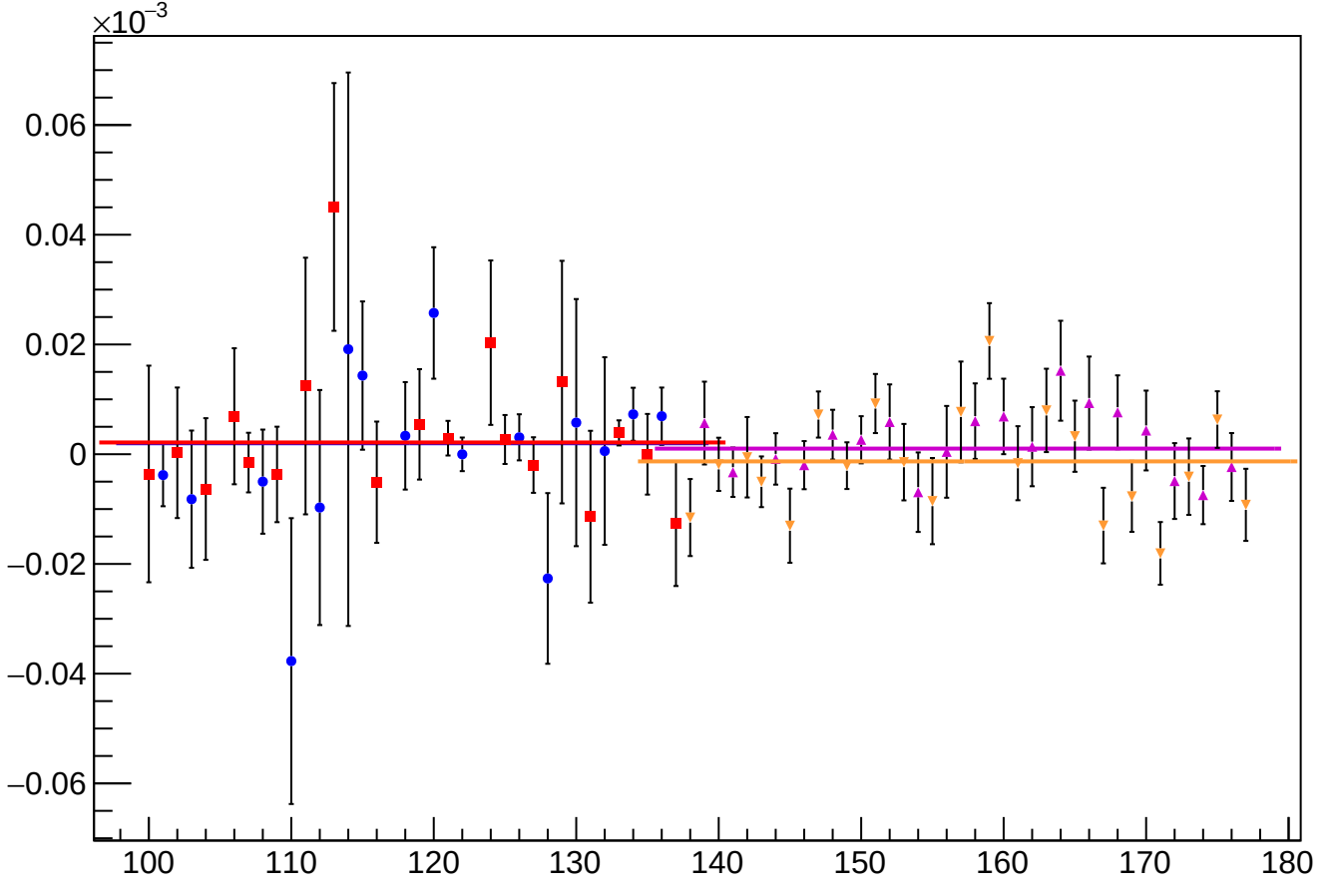
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.198+/-0.014 χ^2/NDF:486682.0/18

+ sign 79.079+/-0.012 χ^2/NDF: 1516256.0/36

All: 79.680+/-0.008 χ^2/NDF: 3083086.9/74

- sign 80.330+/-0.012 χ^2/NDF: 1561295.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.0/20

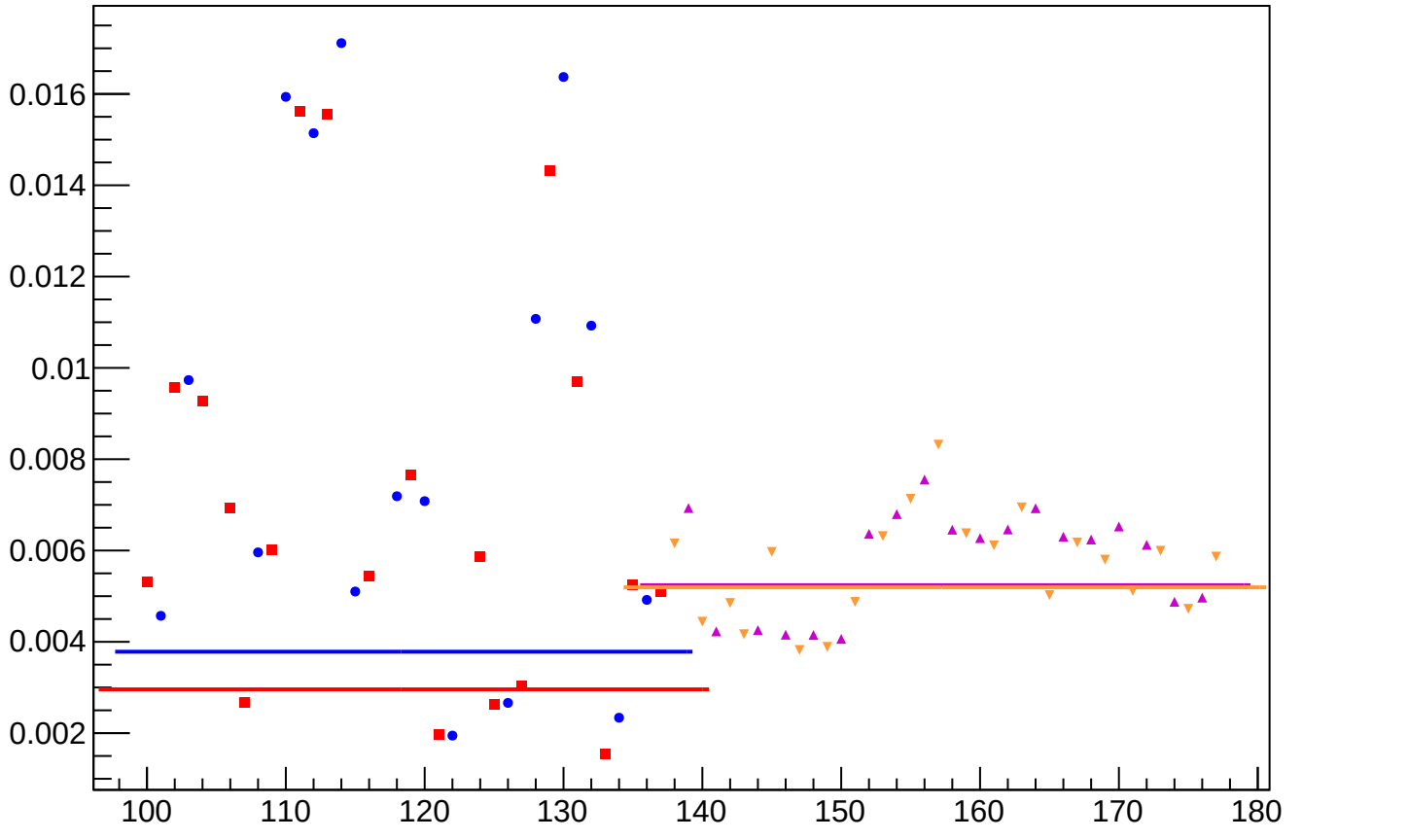
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 61.2/36

All: 0.000+/-0.000 χ^2/NDF: 87.9/74

- sign 0.000+/-0.000 χ^2/NDF: 25.3/37



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1355081.8/20

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

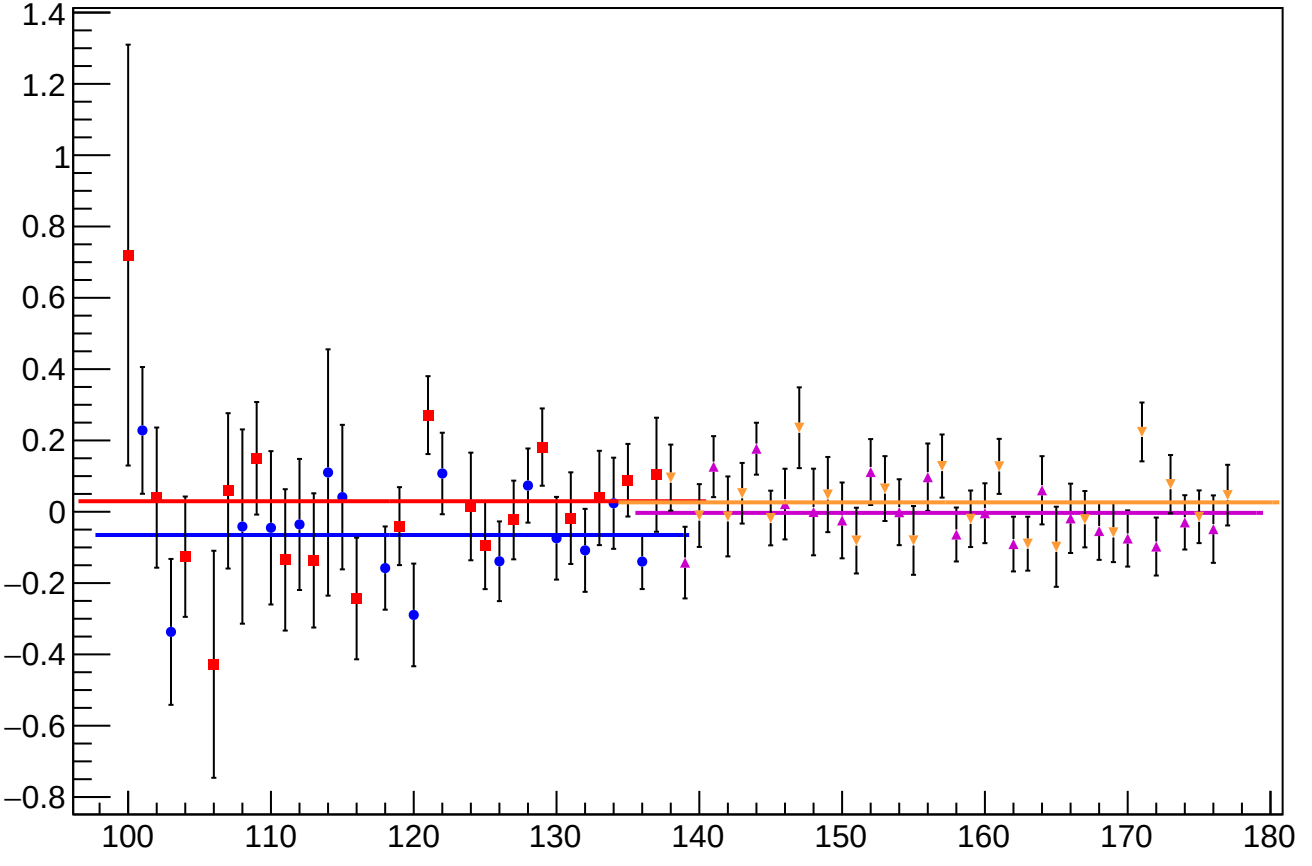
Left In: 0.005+/-0.000 χ^2/NDF:1393330.5/18

+ sign 0.005+/-0.000 χ^2/NDF: 6884585.6/36

All: 0.004+/-0.000 χ^2/NDF: 16840334.9/74

- sign 0.004+/-0.000 χ^2/NDF: 9649233.9/37

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.019 χ^2/NDF:22.3/20

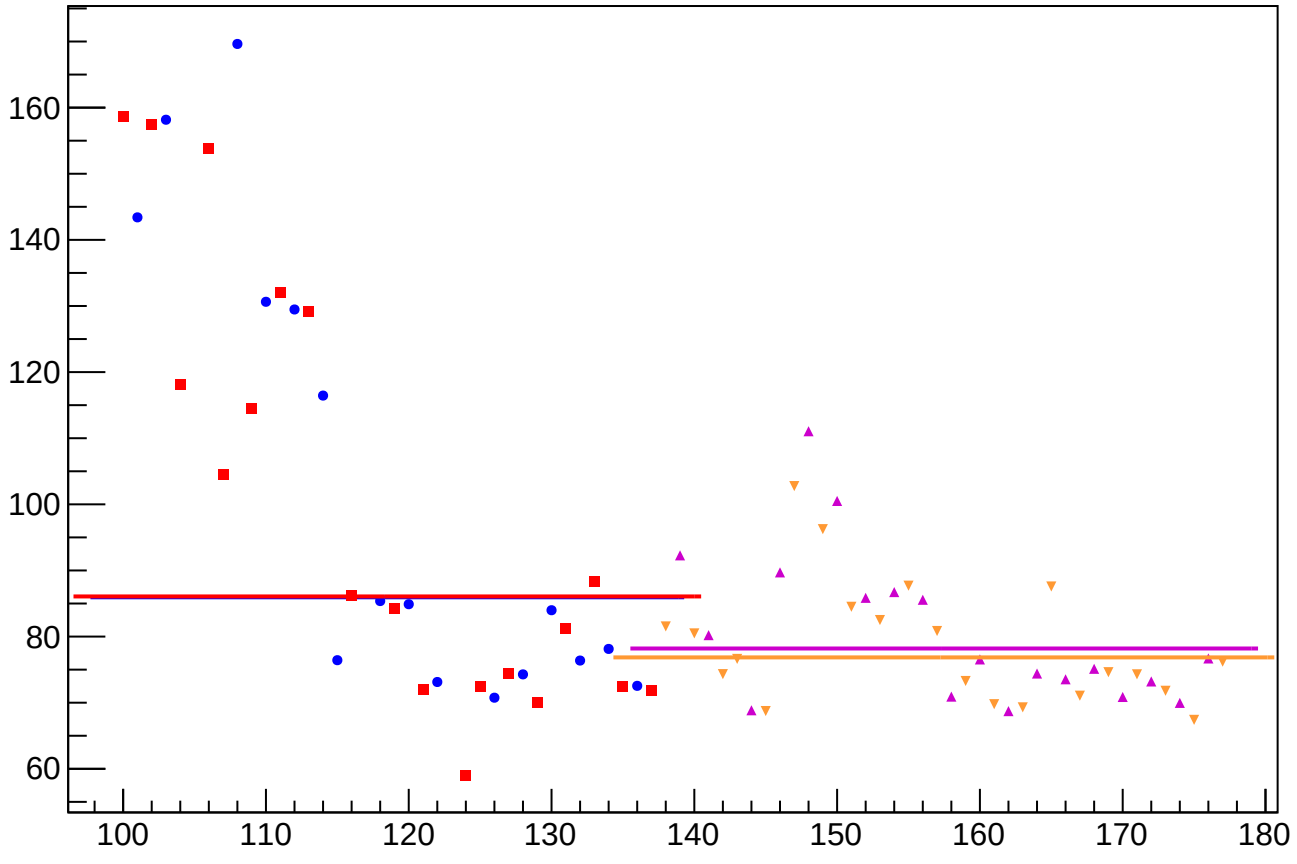
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.003+/-0.020 χ^2/NDF:18.4/18

+ sign 0.004+/-0.016 χ^2/NDF: 42.2/36

All: 0.005+/-0.012 χ^2/NDF: 79.4/74

- sign 0.006+/-0.017 χ^2/NDF: 37.2/37



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.850+/-0.013 χ^2/NDF:368695.9/20

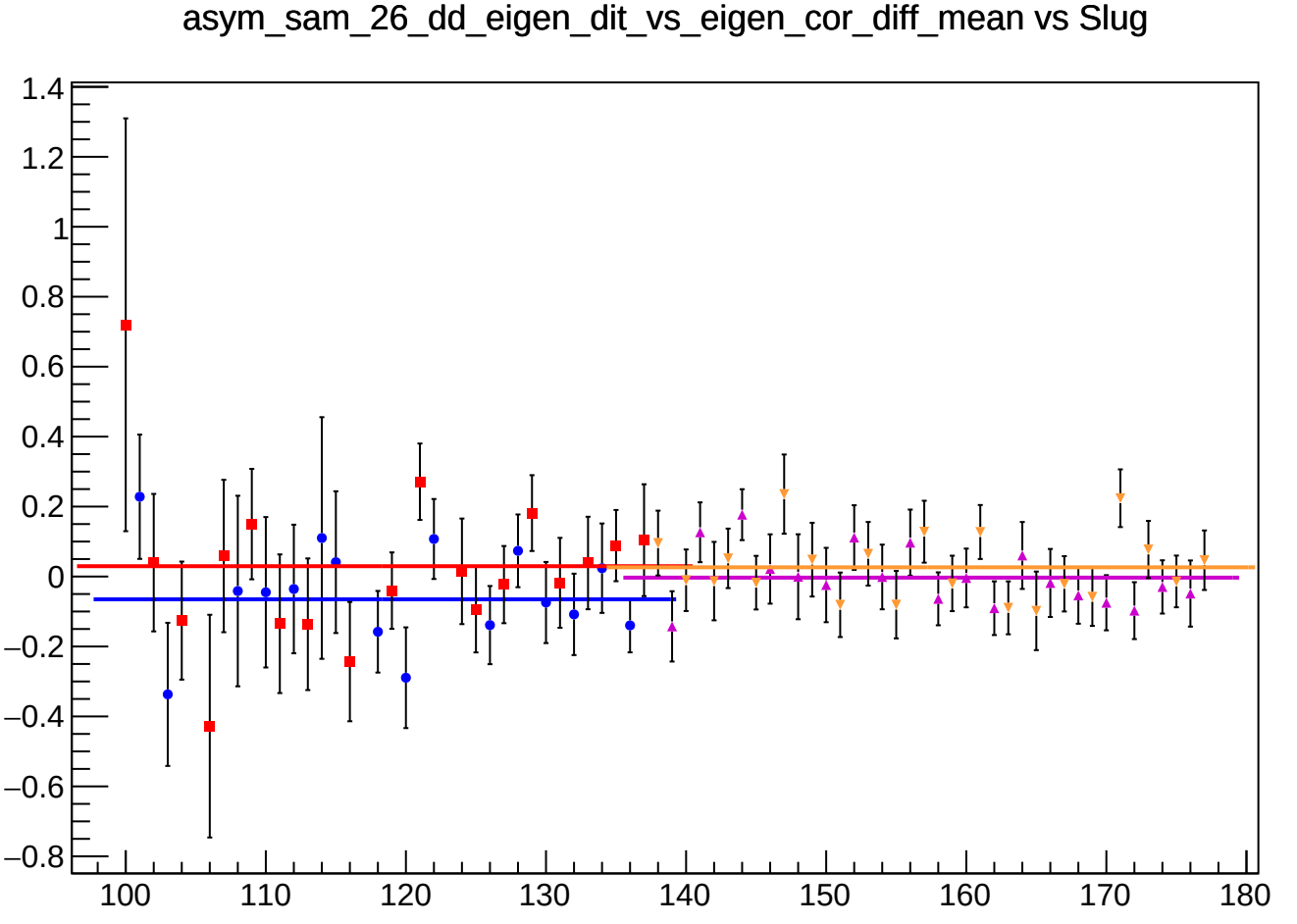
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.197+/-0.014 χ^2/NDF:486719.8/18

+ sign 79.078+/-0.012 χ^2/NDF: 1516230.0/36

All: 79.679+/-0.008 χ^2/NDF: 3083063.8/74

- sign 80.329+/-0.012 χ^2/NDF: 1561299.9/37



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.019 χ^2/NDF:22.3/20

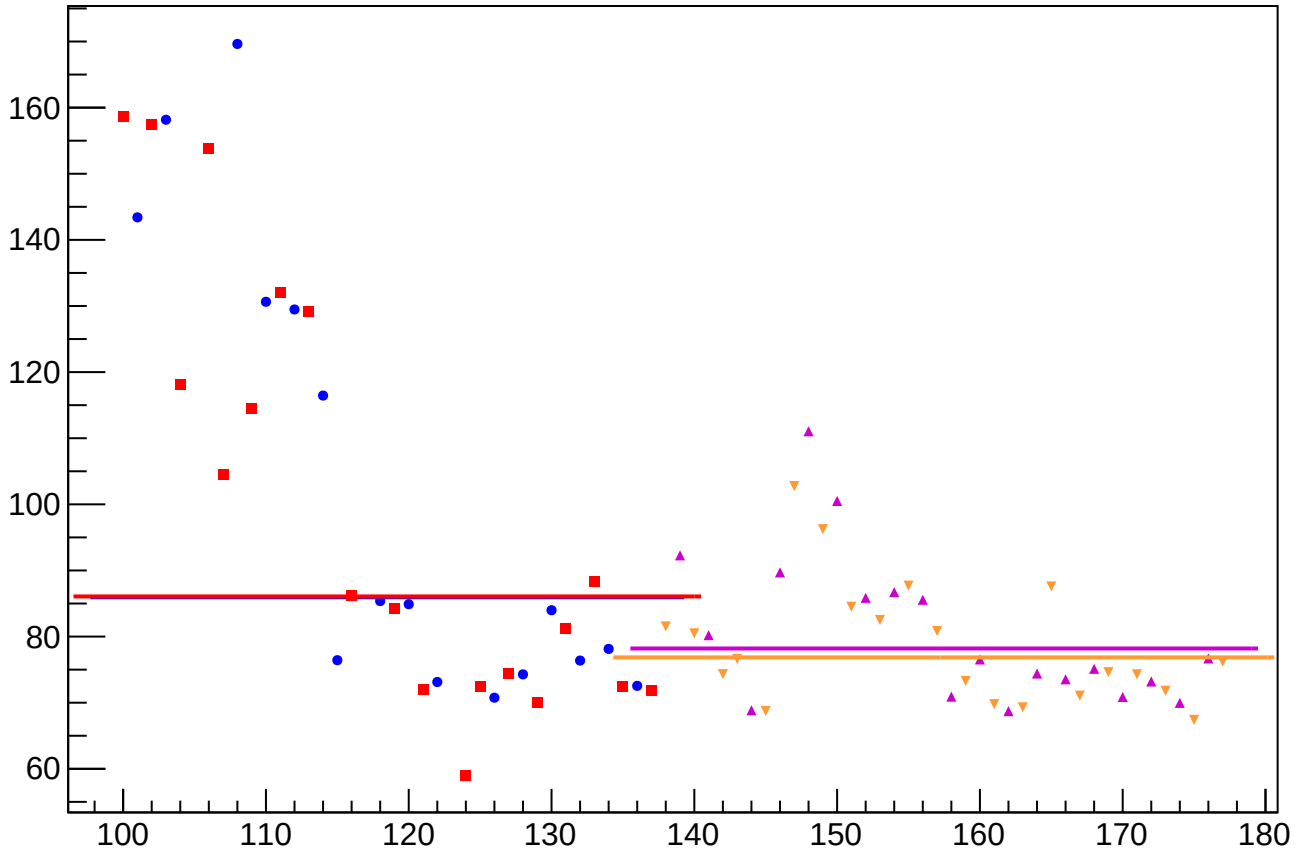
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.003+/-0.020 χ^2/NDF:18.4/18

+ sign 0.004+/-0.016 χ^2/NDF: 42.2/36

All: 0.005+/-0.012 χ^2/NDF: 79.4/74

- sign 0.006+/-0.017 χ^2/NDF: 37.2/37



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.850+/-0.013 χ^2/NDF:368695.9/20

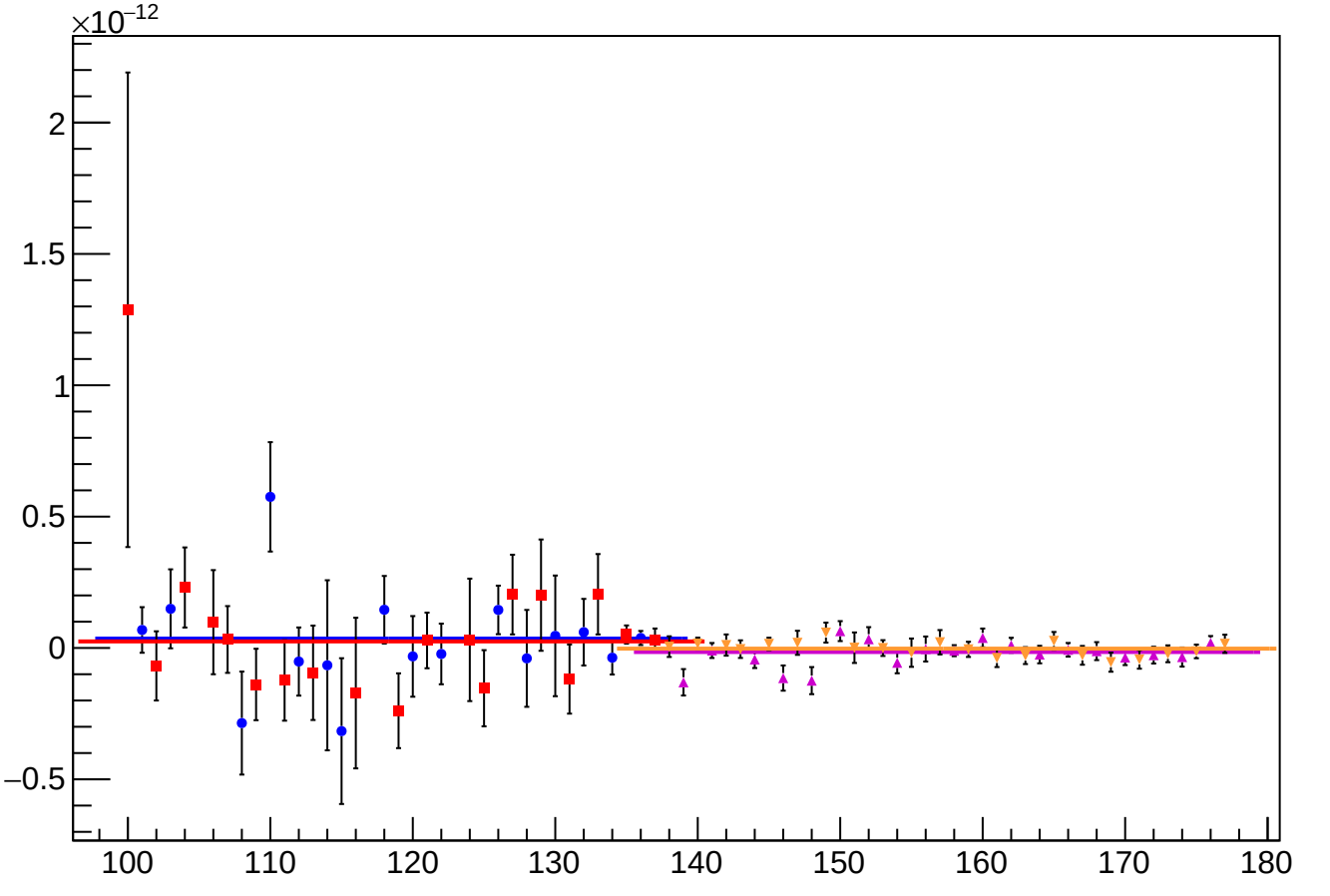
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.197+/-0.014 χ^2/NDF:486719.8/18

\+ sign 79.078+/-0.012 χ^2/NDF: 1516230.0/36

All: 79.679+/-0.008 χ^2/NDF: 3083063.8/74

\- sign 80.329+/-0.012 χ^2/NDF: 1561299.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/20

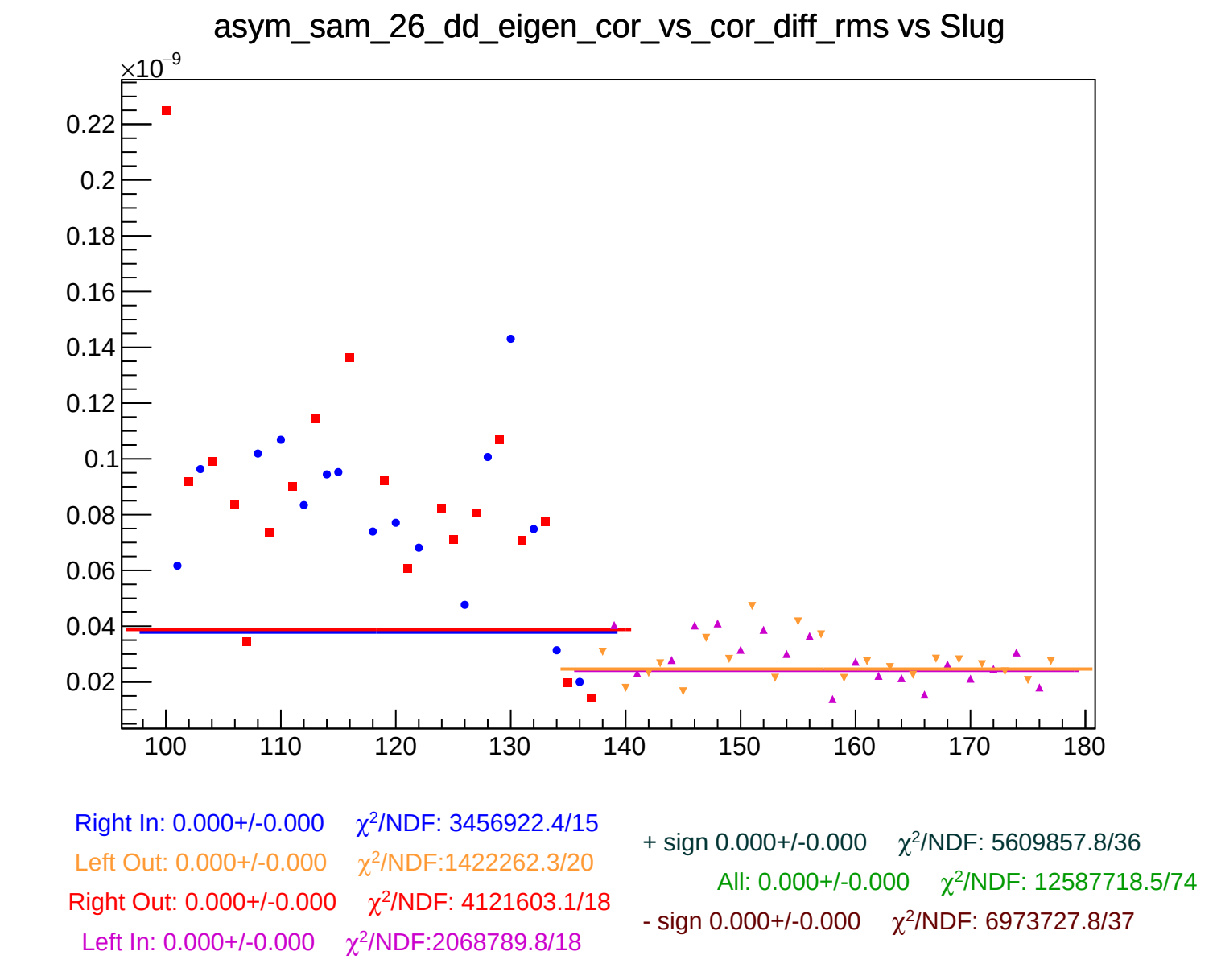
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:27.5/18

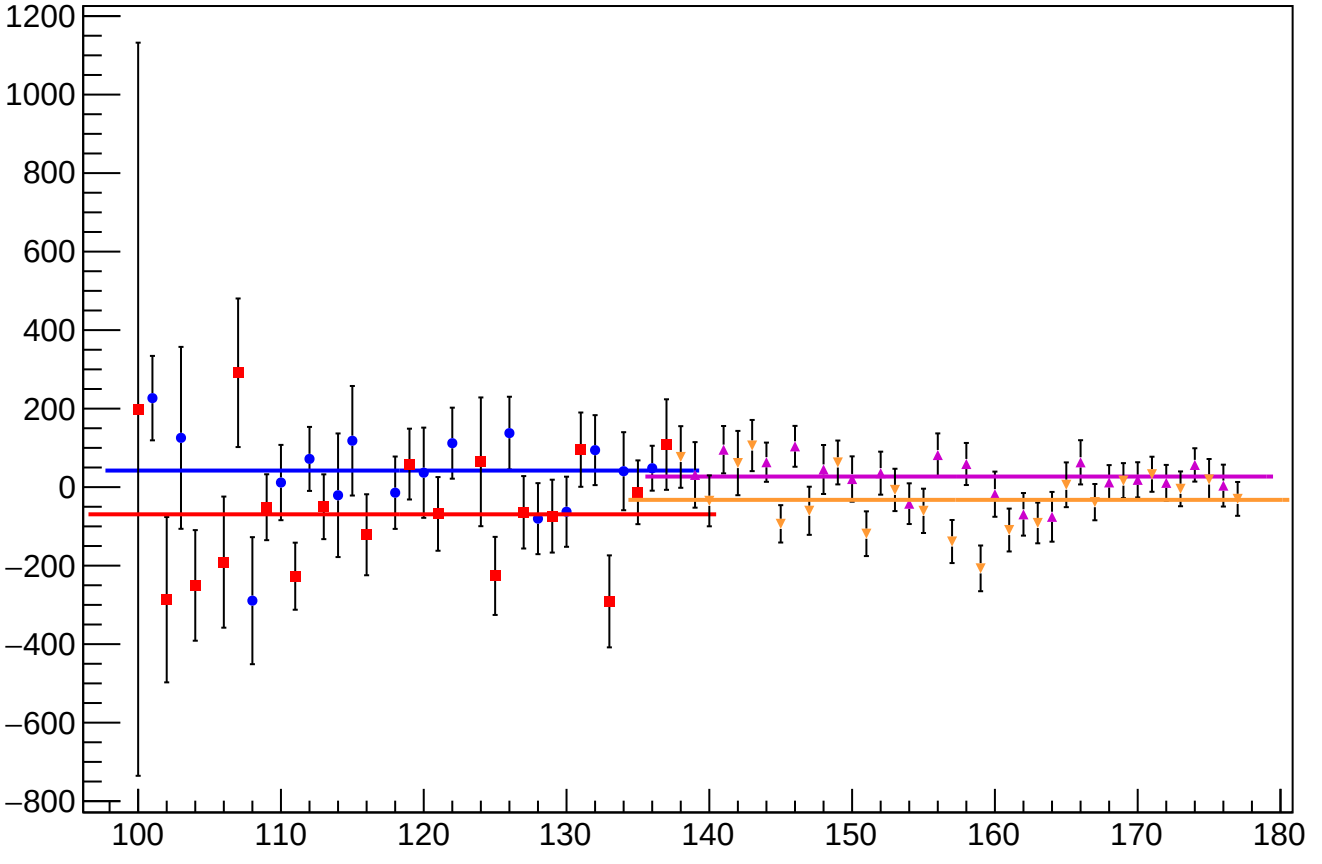
+ sign 0.000+/-0.000 χ^2/NDF: 31.2/36

All: -0.000+/-0.000 χ^2/NDF: 81.2/74

- sign -0.000+/-0.000 χ^2/NDF: 48.3/37


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1422262.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:2068789.8/18
+ sign 0.000+/-0.000 χ²/NDF: 5609857.8/36
All: 0.000+/-0.000 χ²/NDF: 12587718.5/74
- sign 0.000+/-0.000 χ²/NDF: 6973727.8/37

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.430+/-11.698 χ^2/NDF:36.5/20

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

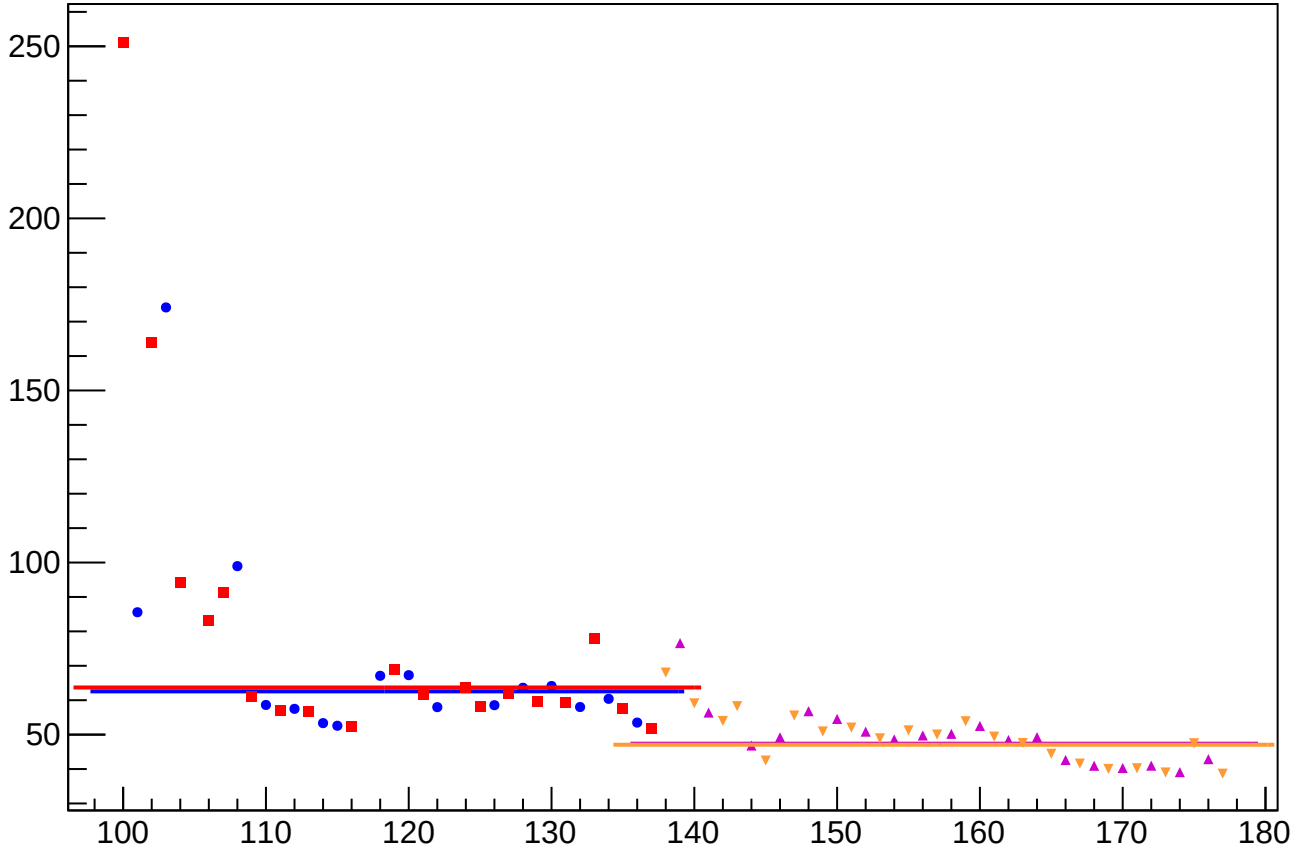
Left In: 26.955+/-12.189 χ^2/NDF:15.0/18

+ sign -18.297+/-10.533 χ^2/NDF: 57.7/36

All: -5.719+/-7.576 χ^2/NDF: 113.5/74

- sign 7.765+/-10.906 χ^2/NDF: 52.8/37

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.064+/-0.008 χ^2/NDF:688155.5/20

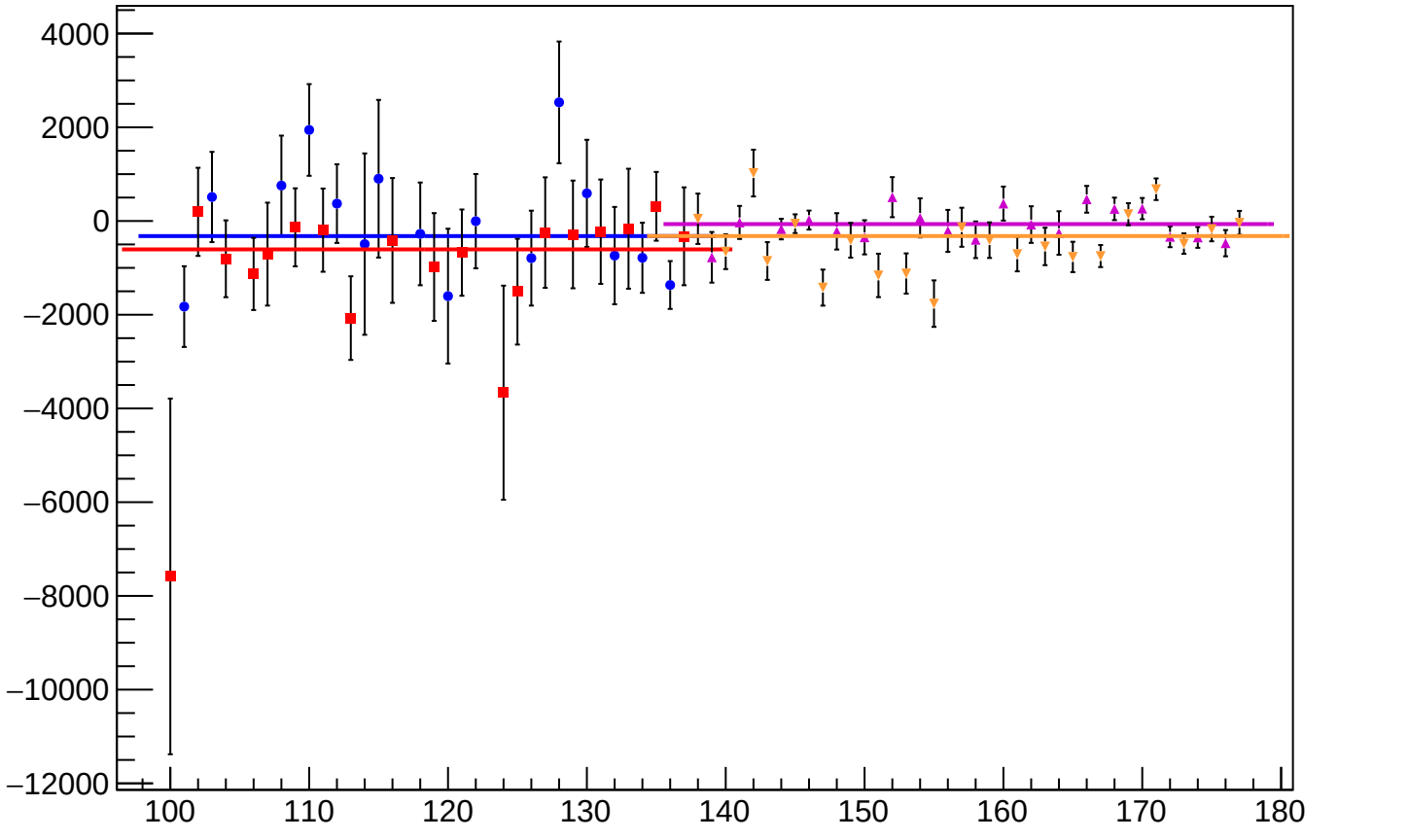
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

+ sign 49.999+/-0.007 χ^2/NDF: 2111614.6/36

All: 50.302+/-0.005 χ^2/NDF: 4307491.7/74

- sign 50.627+/-0.008 χ^2/NDF: 2192442.7/37



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -321.184+/-68.047 χ^2/NDF:67.1/20

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

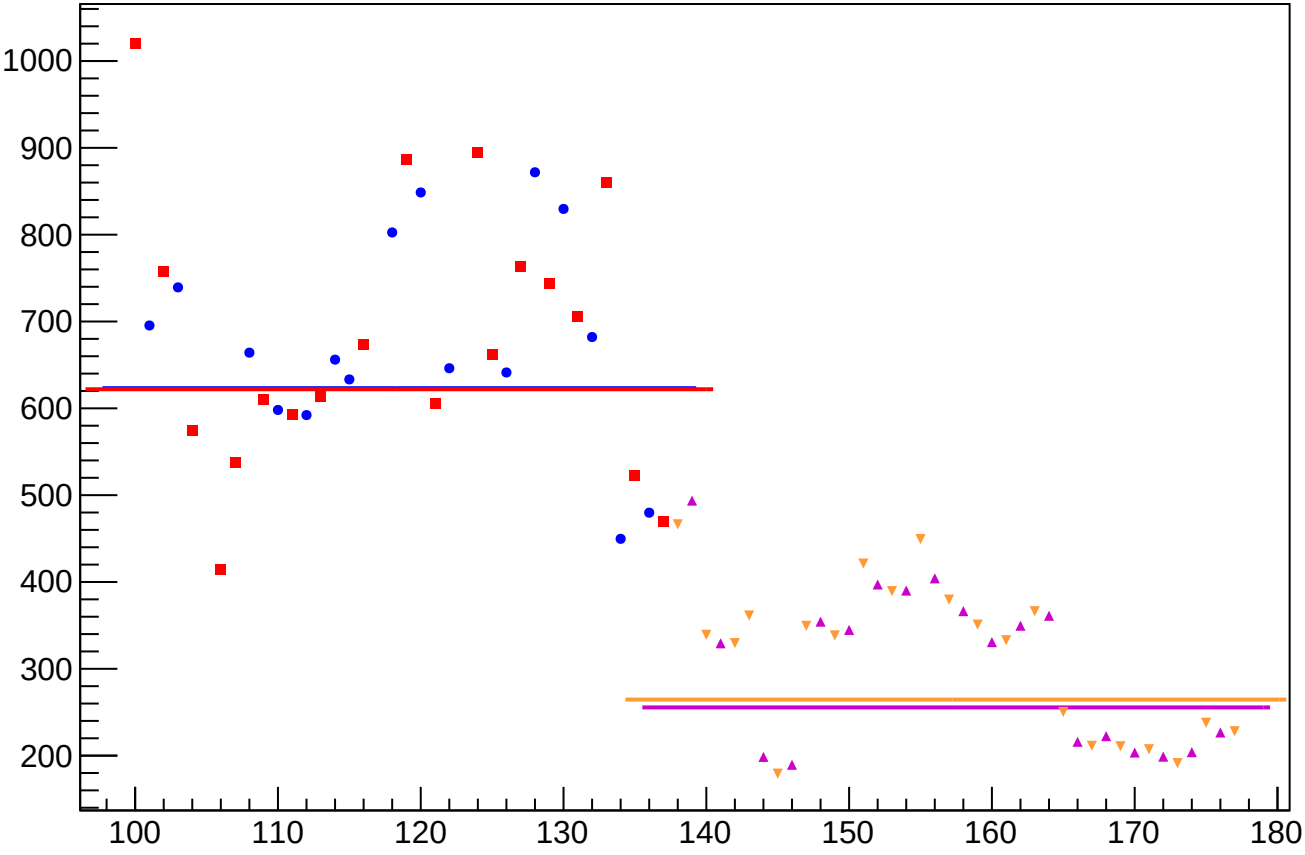
Left In: -65.919+/-68.223 χ^2/NDF:19.9/18

+ sign -321.220+/-65.436 χ^2/NDF: 89.8/36

All: -214.864+/-46.288 χ^2/NDF: 132.4/74

- sign -108.338+/-65.488 χ^2/NDF: 37.3/37

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 264.579+/-0.048 χ^2/NDF:2804797.8/20

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

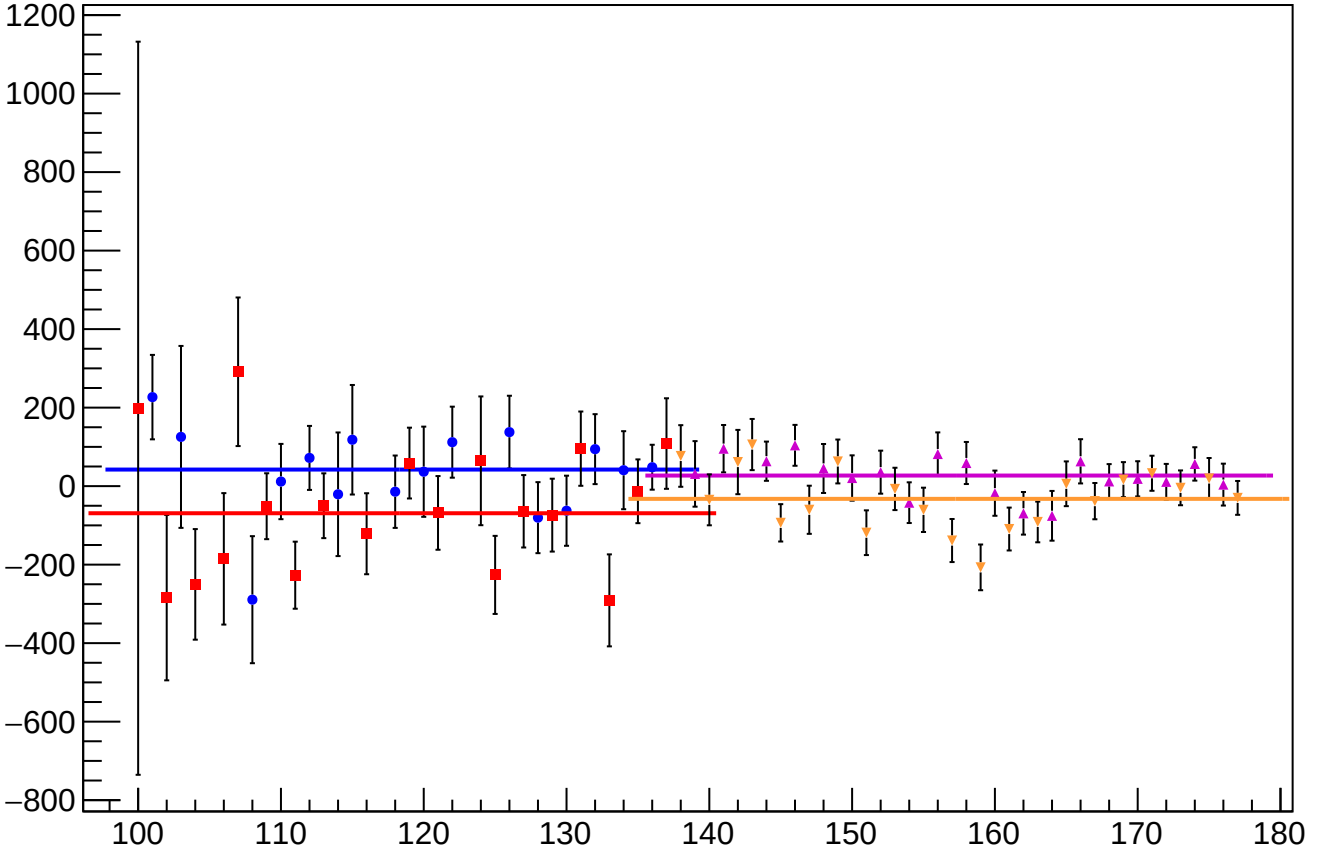
Left In: 255.527+/-0.048 χ^2/NDF:2627716.4/18

+ sign 291.577+/-0.046 χ^2/NDF: 7552001.3/36

All: 287.949+/-0.033 χ^2/NDF: 15307907.7/74

- sign 284.316+/-0.046 χ^2/NDF: 7743604.6/37

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.428+/-11.698 χ^2/NDF:36.5/20

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

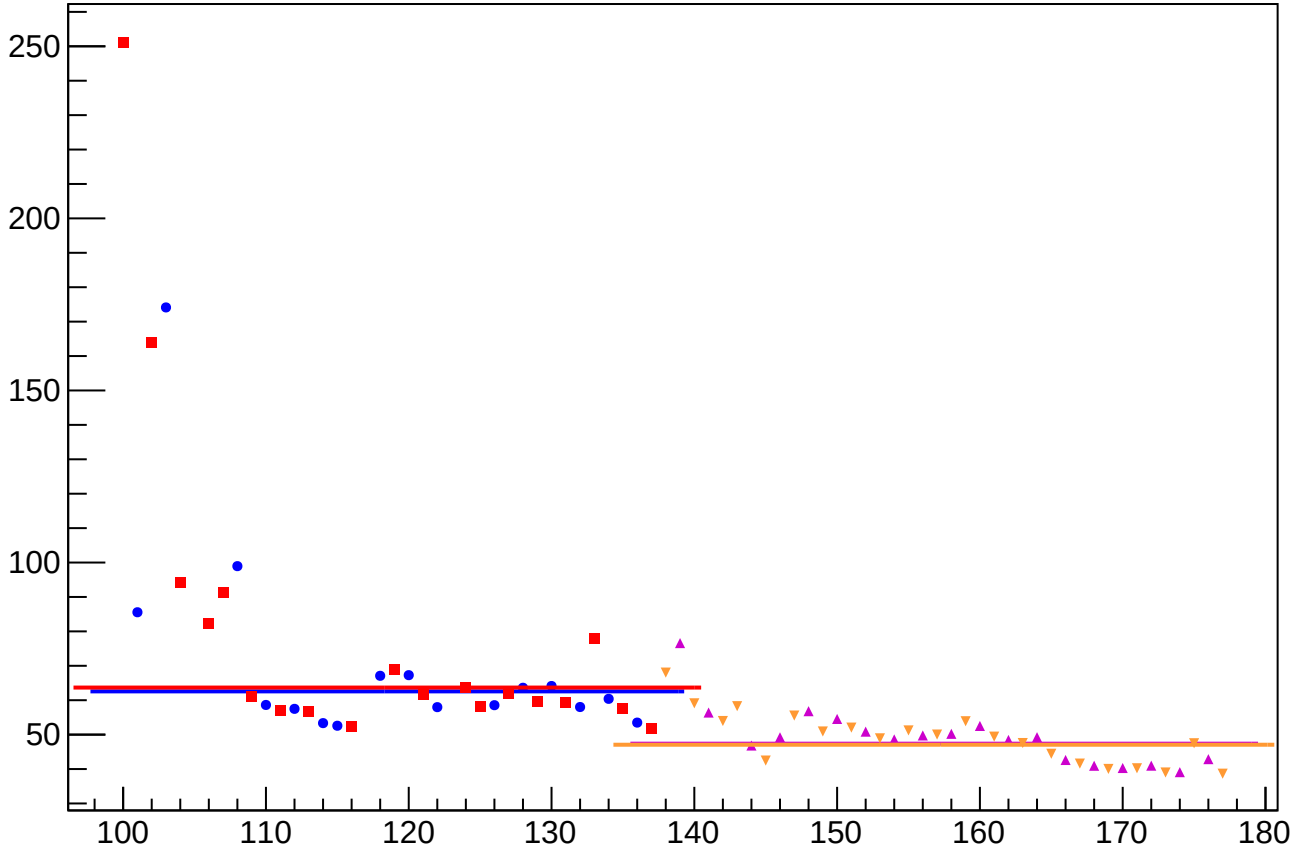
Left In: 26.953+/-12.189 χ^2/NDF:15.0/18

+ sign -18.297+/-10.533 χ^2/NDF: 57.7/36

All: -5.702+/-7.576 χ^2/NDF: 113.3/74

- sign 7.801+/-10.906 χ^2/NDF: 52.6/37

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.064+/-0.008 χ^2/NDF:688155.4/20

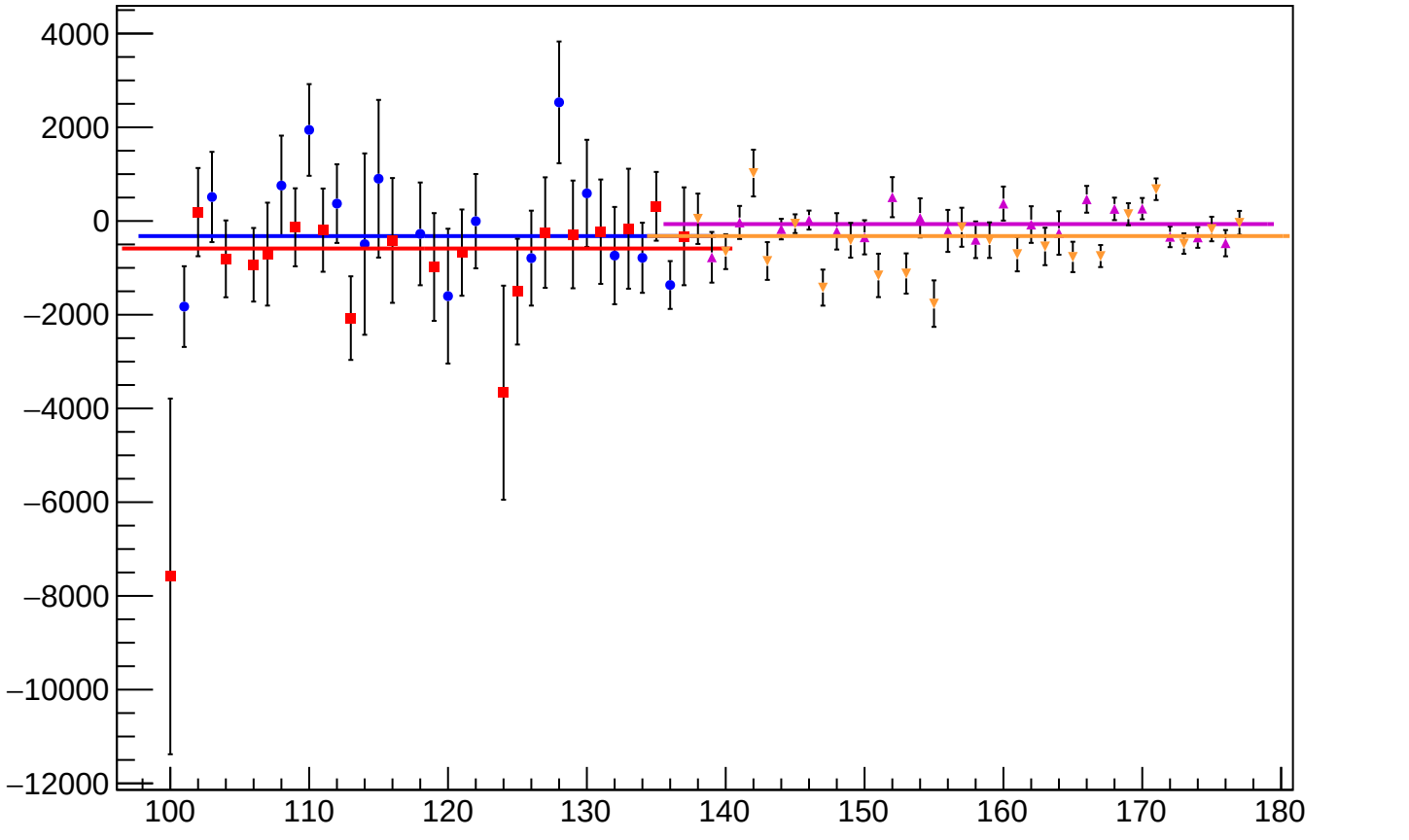
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

+ sign 49.999+/-0.007 χ^2/NDF: 2111616.3/36

All: 50.300+/-0.005 χ^2/NDF: 4302505.0/74

- sign 50.622+/-0.008 χ^2/NDF: 2187510.2/37



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -321.180+/-68.047 χ^2/NDF:67.1/20

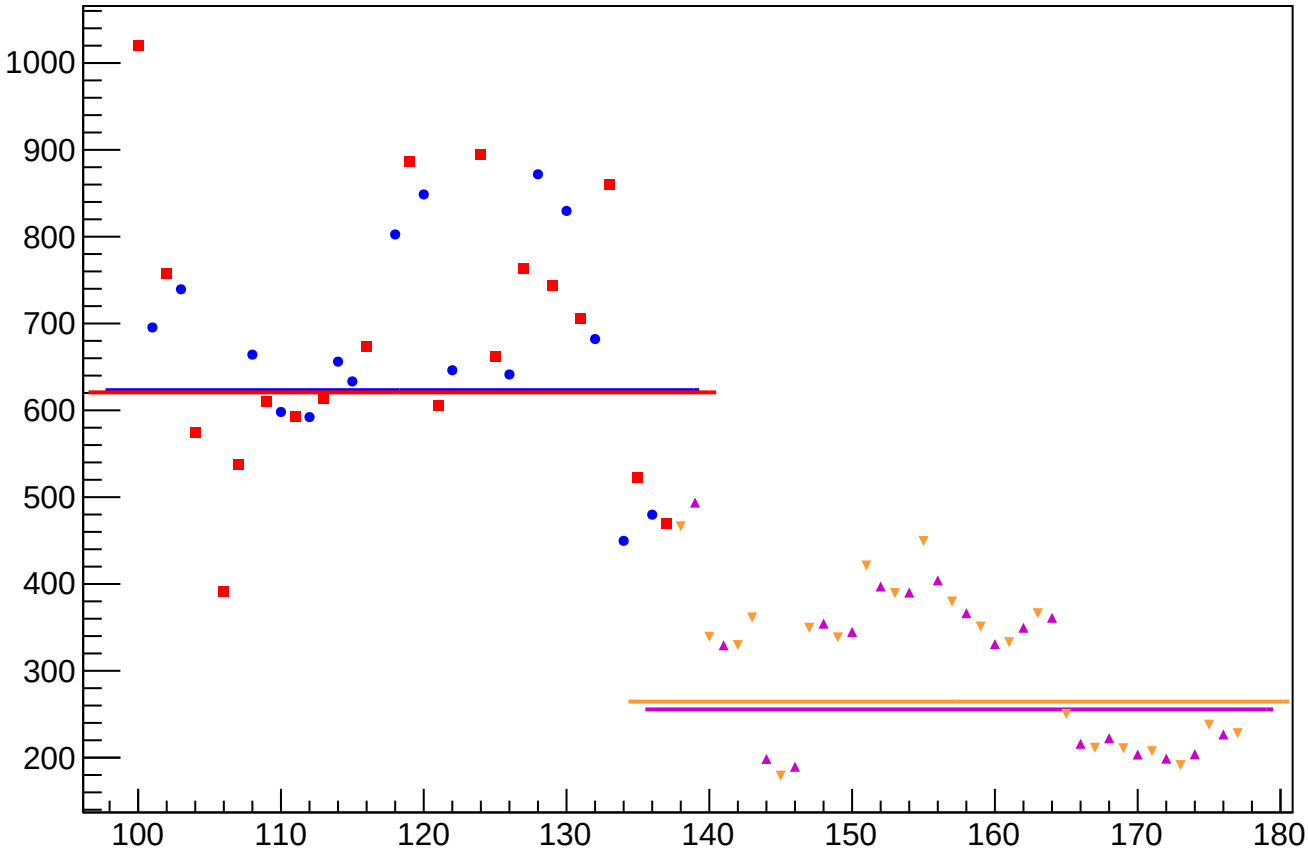
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -65.922+/-68.223 χ^2/NDF:19.9/18

+ sign -321.216+/-65.436 χ^2/NDF: 89.8/36

All: -214.077+/-46.292 χ^2/NDF: 131.9/74

- sign -106.736+/-65.498 χ^2/NDF: 36.7/37



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.579+/-0.048 χ^2/NDF:2804803.0/20

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

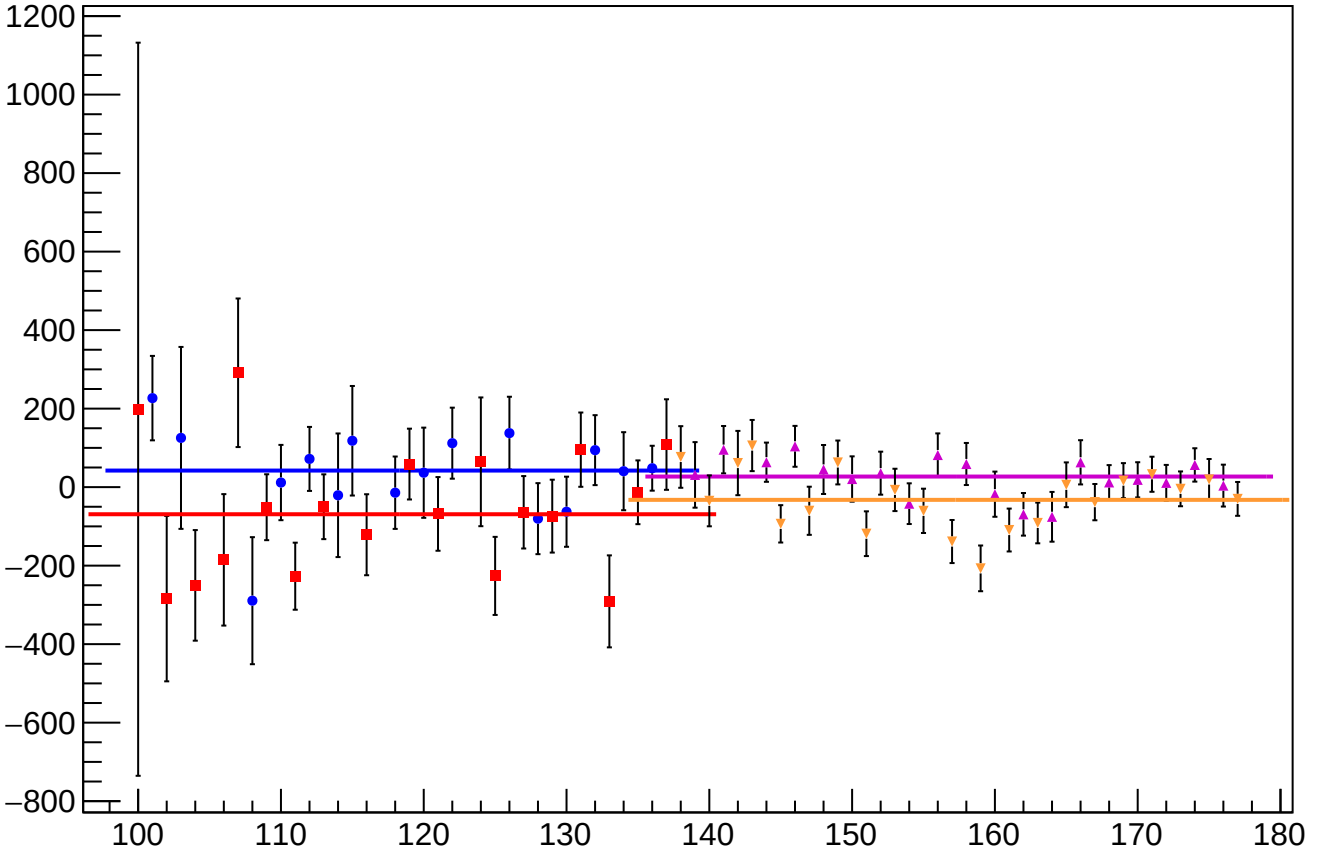
Left In: 255.527+/-0.048 χ^2/NDF:2627711.4/18

+ sign 291.576+/-0.046 χ^2/NDF: 7552062.4/36

All: 287.849+/-0.033 χ^2/NDF: 15288958.5/74

- sign 284.115+/-0.046 χ^2/NDF: 7723907.5/37

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.428+/-11.698 χ^2/NDF:36.5/20

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

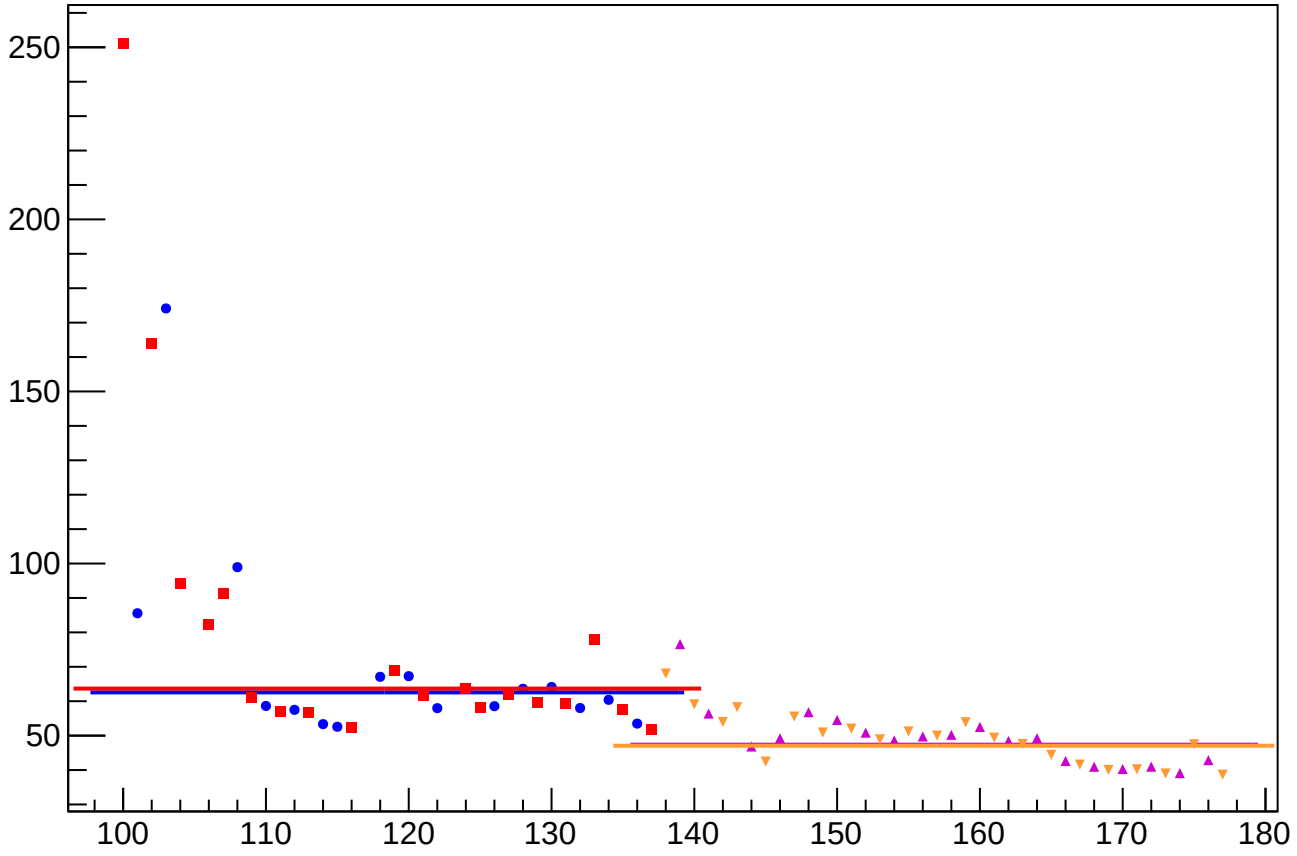
Left In: 26.953+/-12.189 χ^2/NDF:15.0/18

+ sign -18.297+/-10.533 χ^2/NDF: 57.7/36

All: -5.702+/-7.576 χ^2/NDF: 113.3/74

- sign 7.801+/-10.906 χ^2/NDF: 52.6/37

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.064+/-0.008 χ^2/NDF:688155.4/20

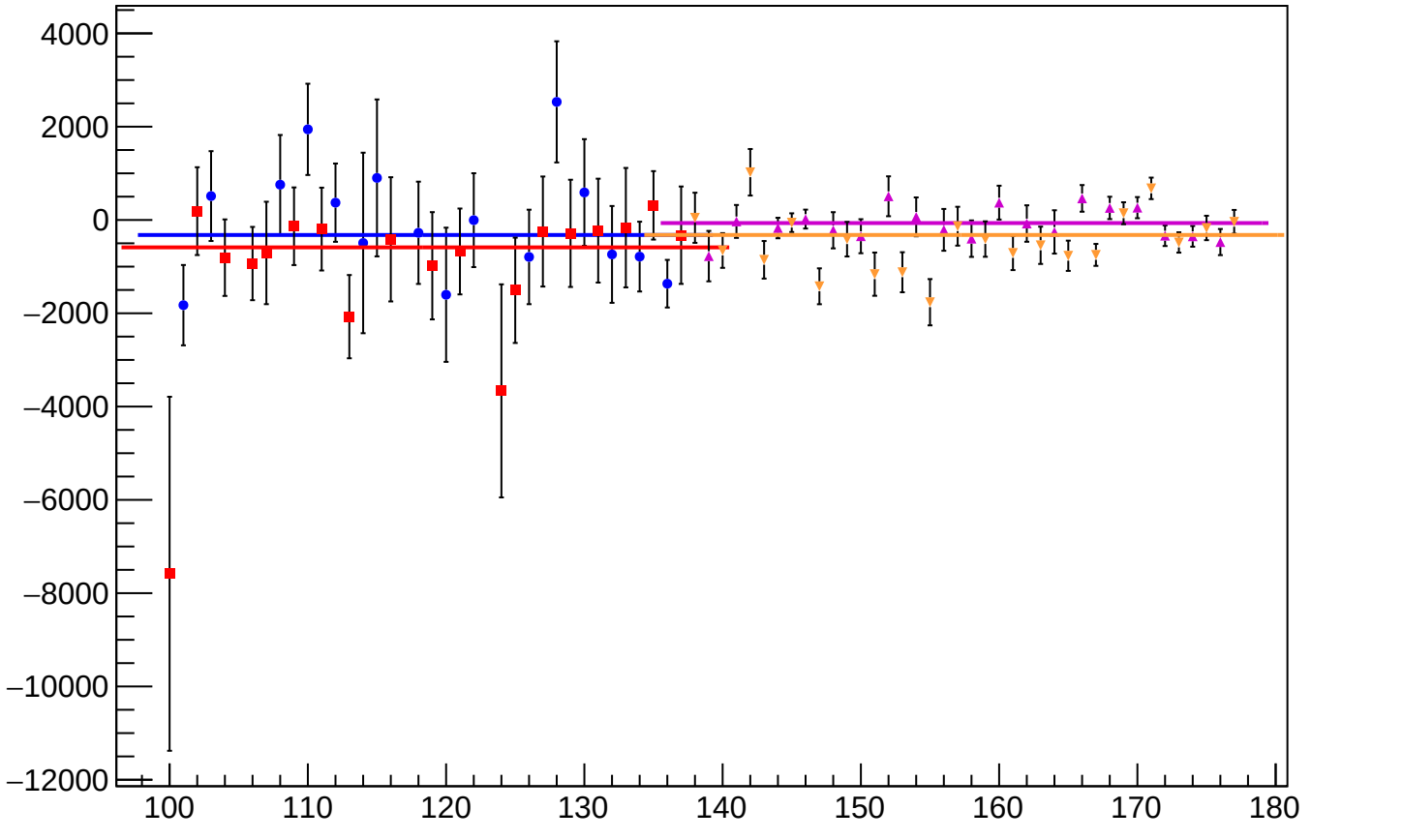
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

+ sign 49.999+/-0.007 χ^2/NDF: 2111616.3/36

All: 50.300+/-0.005 χ^2/NDF: 4302505.0/74

- sign 50.622+/-0.008 χ^2/NDF: 2187510.2/37



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -321.180+/-68.047 χ^2/NDF:67.1/20

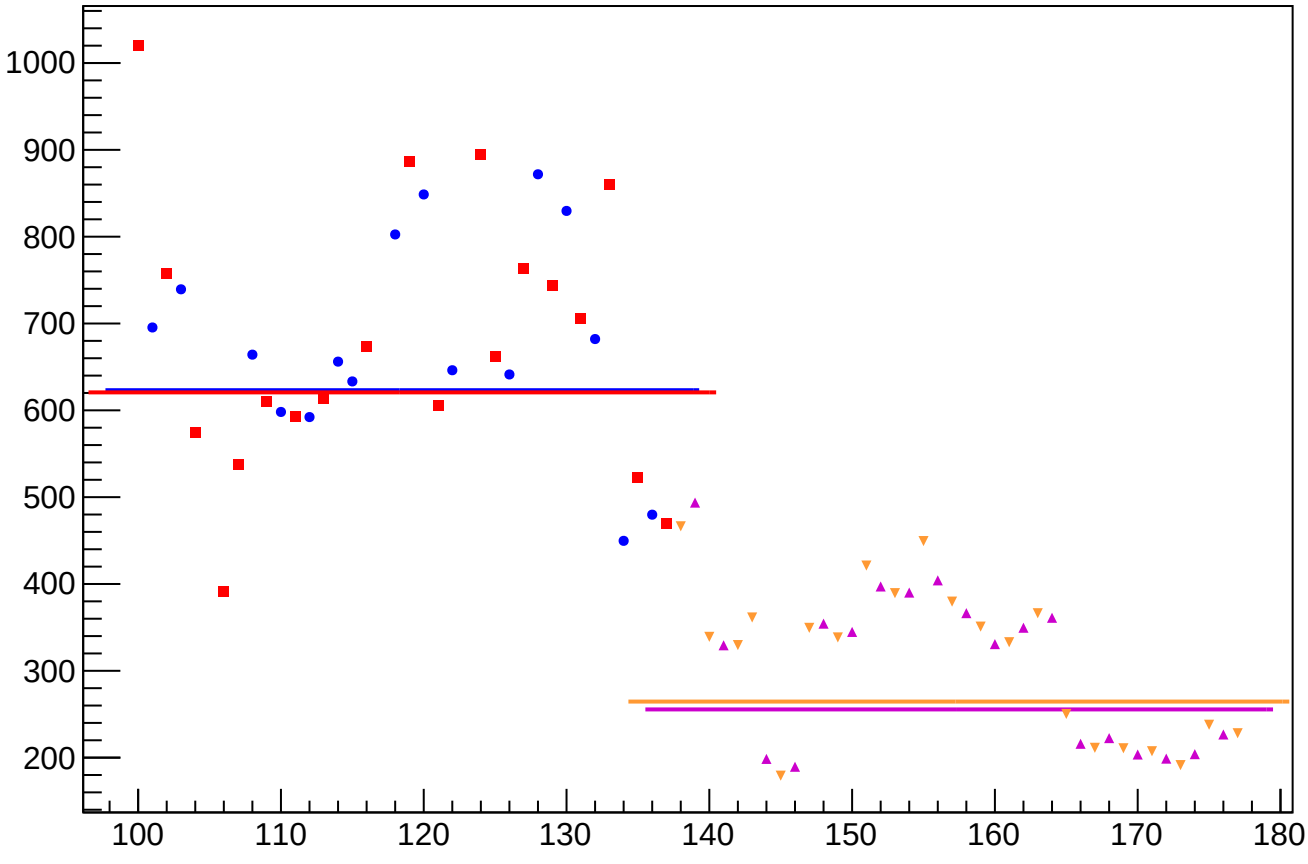
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -65.922+/-68.223 χ^2/NDF:19.9/18

+ sign -321.216+/-65.436 χ^2/NDF: 89.8/36

All: -214.077+/-46.292 χ^2/NDF: 131.9/74

- sign -106.736+/-65.498 χ^2/NDF: 36.7/37



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.579+/-0.048 χ^2/NDF:2804803.0/20

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

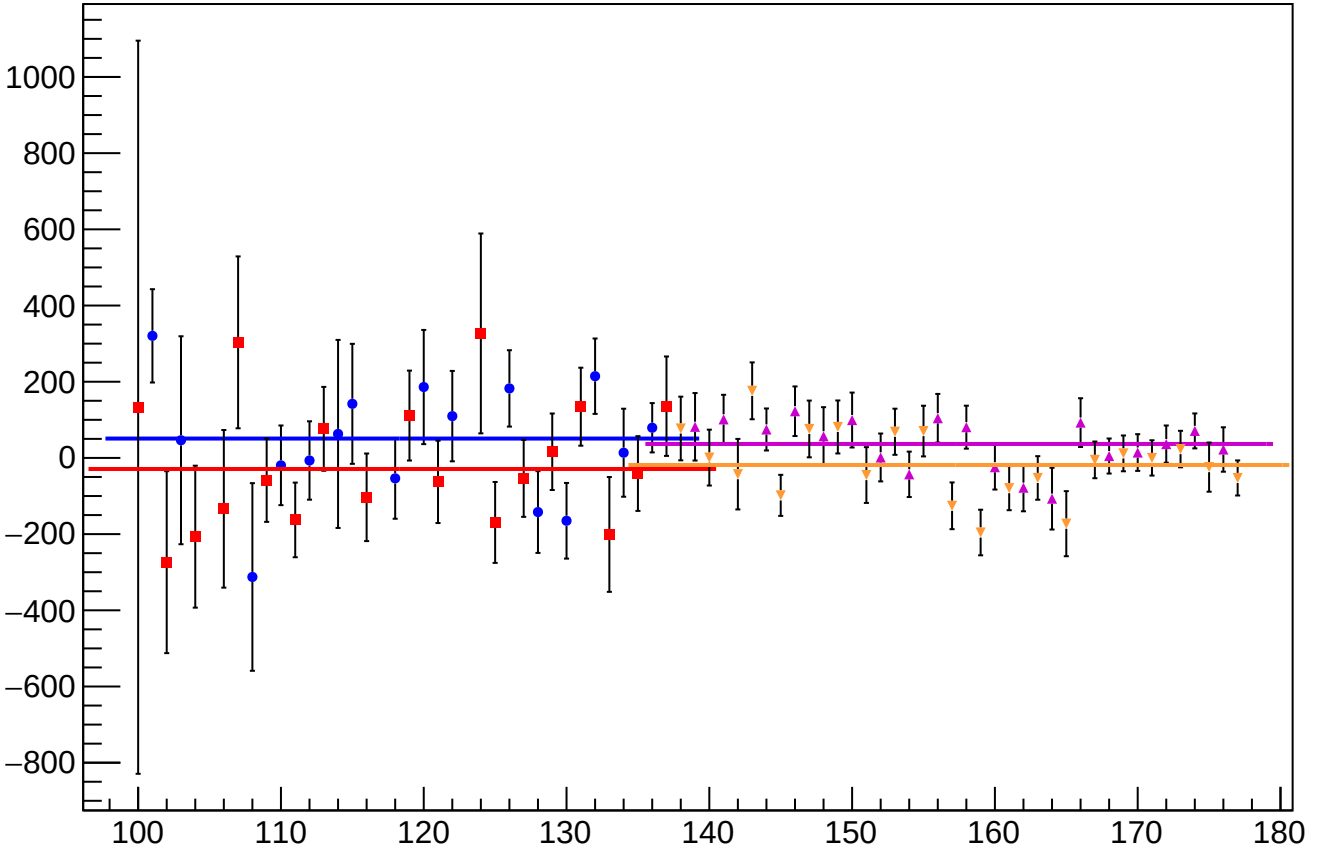
Left In: 255.527+/-0.048 χ^2/NDF:2627711.4/18

+ sign 291.576+/-0.046 χ^2/NDF: 7552062.4/36

All: 287.849+/-0.033 χ^2/NDF: 15288958.5/74

- sign 284.115+/-0.046 χ^2/NDF: 7723907.5/37

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -18.540+/-13.100 χ^2/NDF:36.6/20

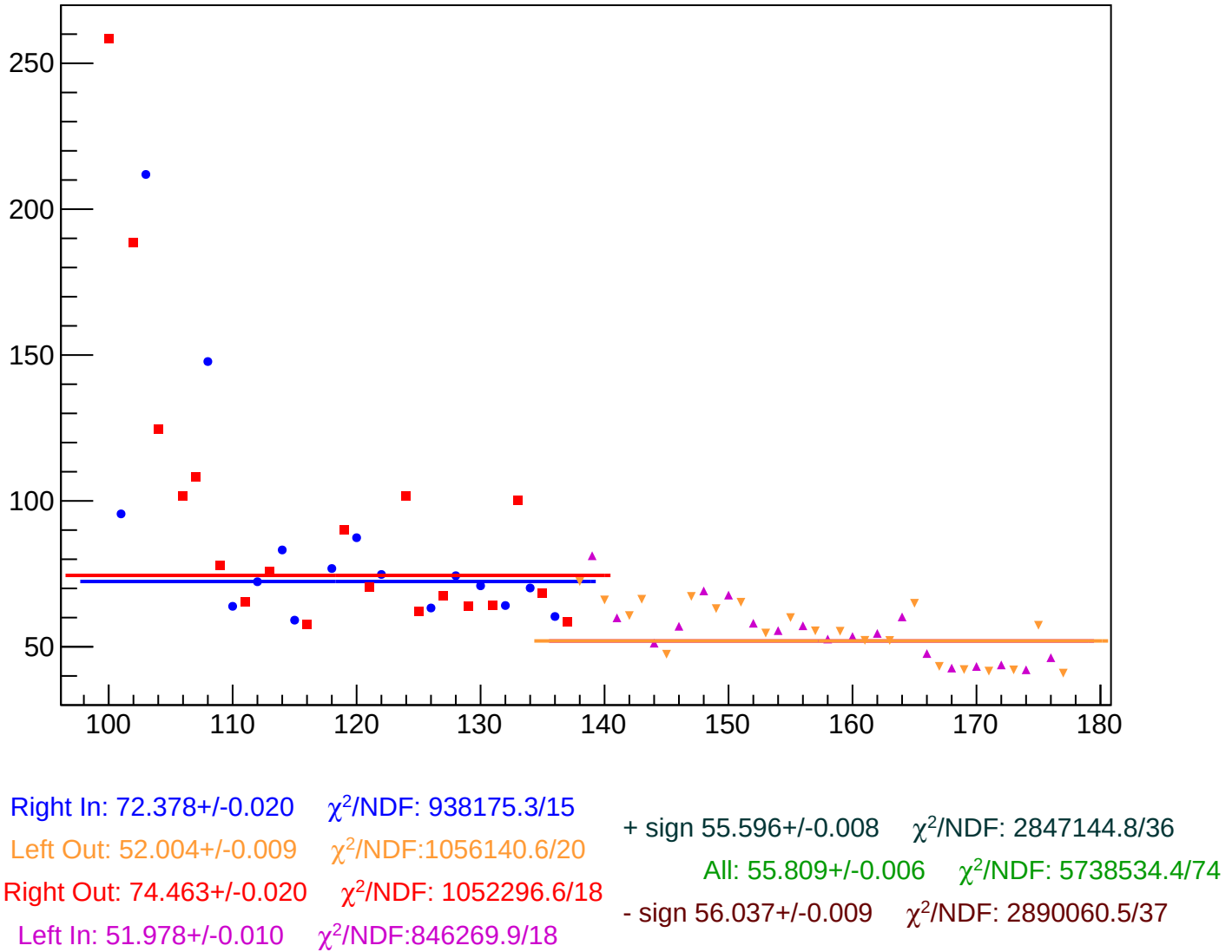
Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: 36.649+/-13.568 χ^2/NDF:17.9/18

+ sign -6.308+/-11.889 χ^2/NDF: 64.4/36

All: 8.736+/-8.543 χ^2/NDF: 108.4/74

- sign 24.792+/-12.282 χ^2/NDF: 40.6/37



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.004+/-0.009 χ^2/NDF:1056140.6/20

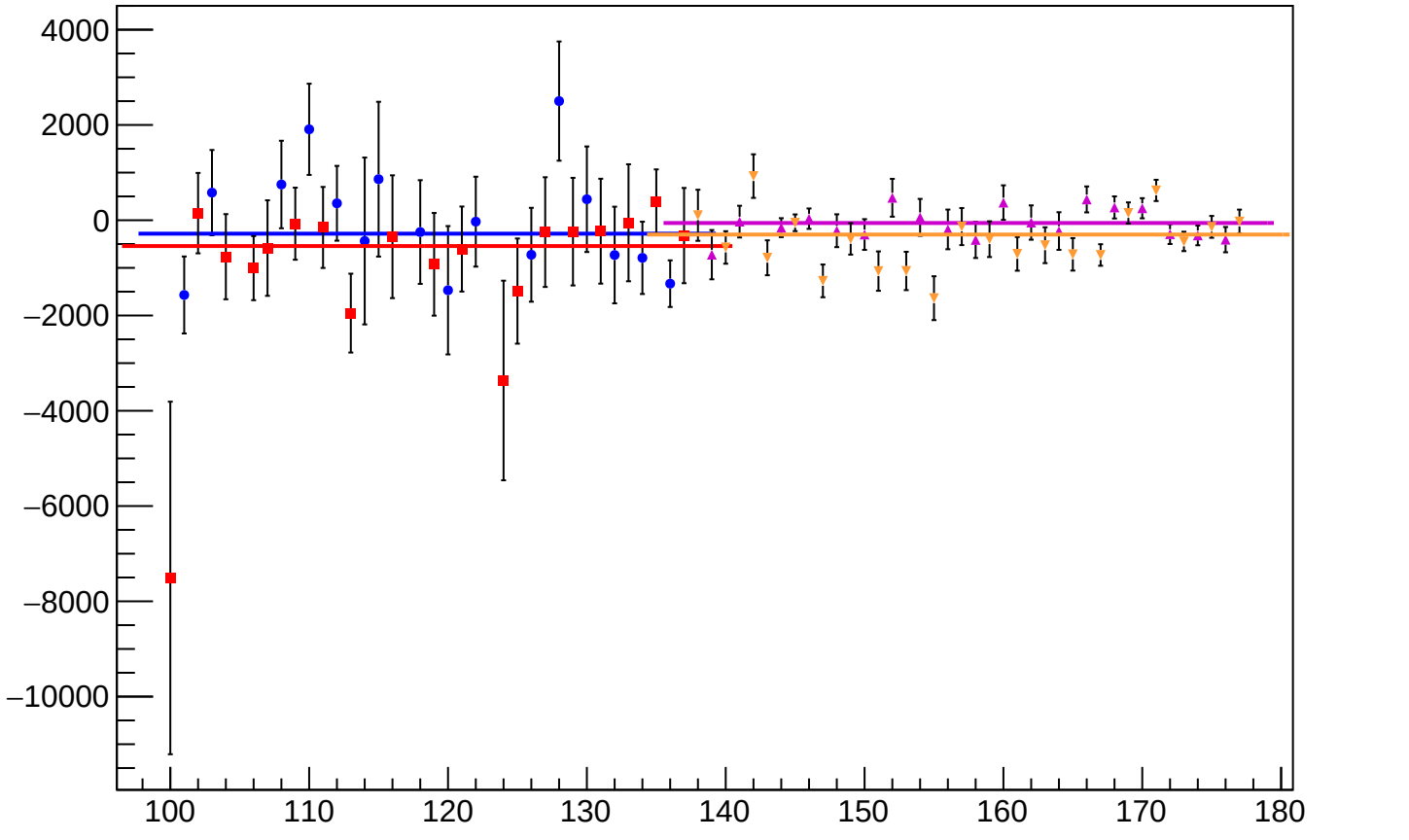
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 51.978+/-0.010 χ^2/NDF:846269.9/18

+ sign 55.596+/-0.008 χ^2/NDF: 2847144.8/36

All: 55.809+/-0.006 χ^2/NDF: 5738534.4/74

- sign 56.037+/-0.009 χ^2/NDF: 2890060.5/37



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -300.458+/-63.553 χ^2/NDF:66.3/20

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

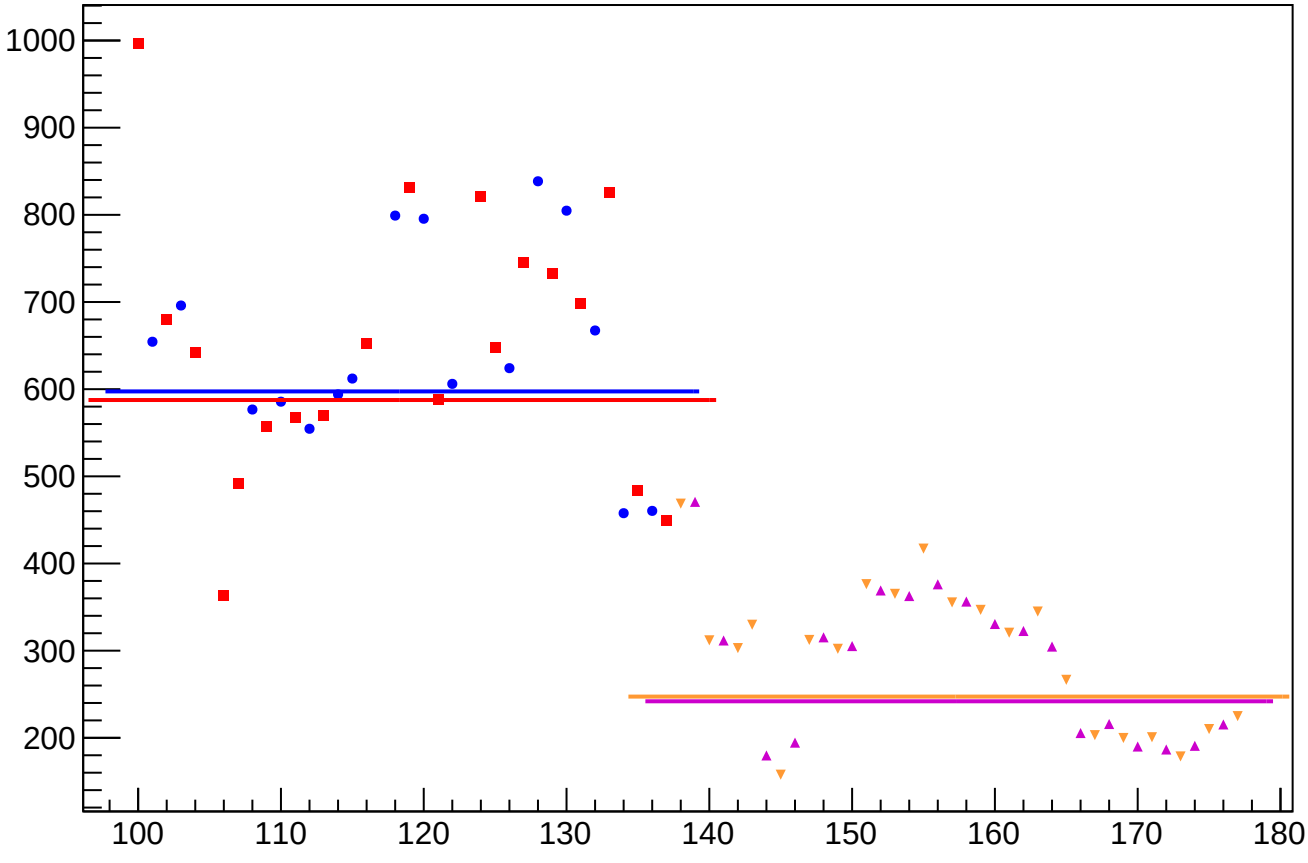
Left In: -58.193+/-64.486 χ^2/NDF:19.3/18

+ sign -299.128+/-61.216 χ^2/NDF: 89.1/36

All: -198.790+/-43.527 χ^2/NDF: 131.5/74

- sign -96.187+/-61.903 χ^2/NDF: 37.0/37

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 247.315+/-0.045 χ^2/NDF:2904236.7/20

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

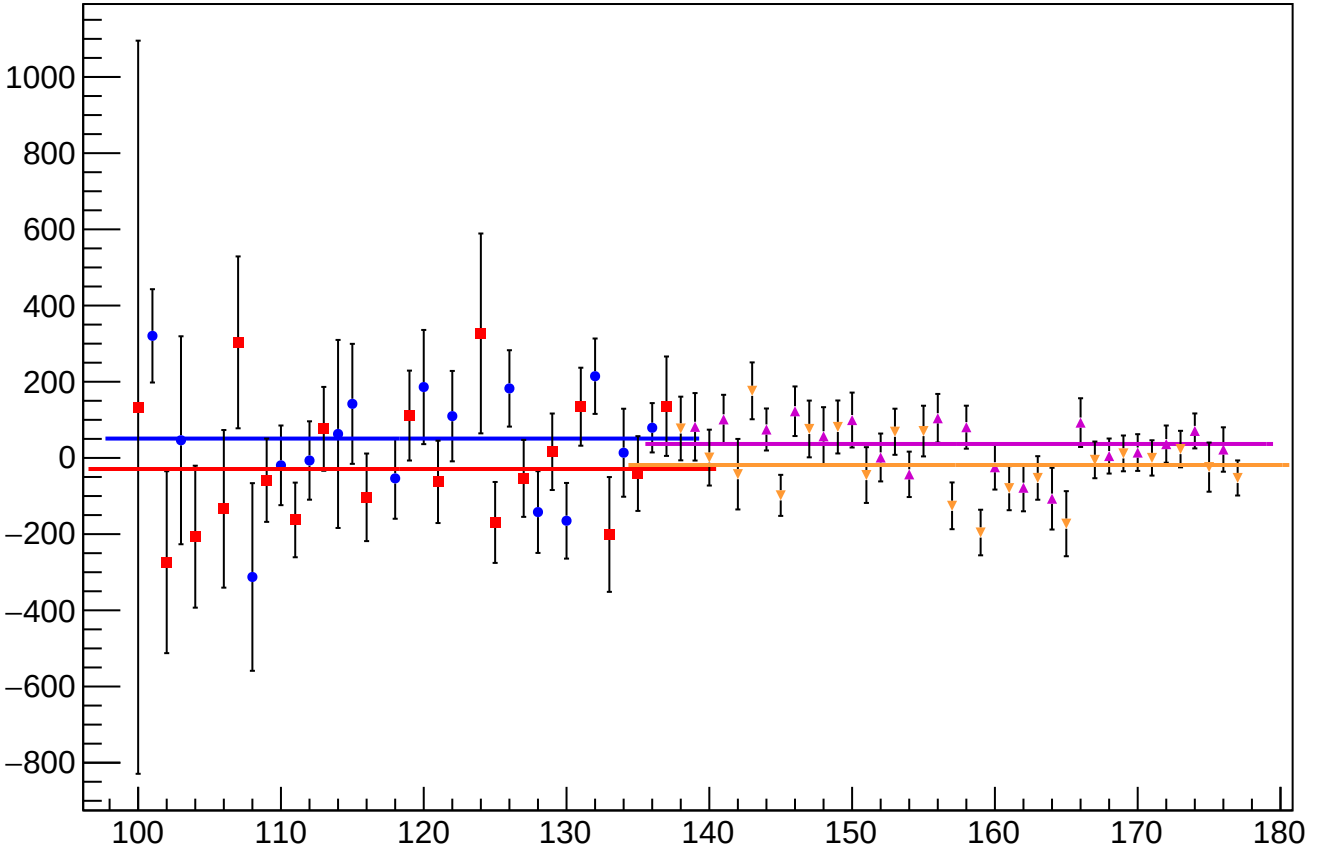
Left In: 241.921+/-0.046 χ^2/NDF:2464940.6/18

+ sign 272.601+/-0.043 χ^2/NDF: 7821822.1/36

All: 270.852+/-0.031 χ^2/NDF: 15491054.3/74

- sign 269.063+/-0.044 χ^2/NDF: 7665928.8/37

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -18.539+/-13.100 χ^2/NDF:36.6/20

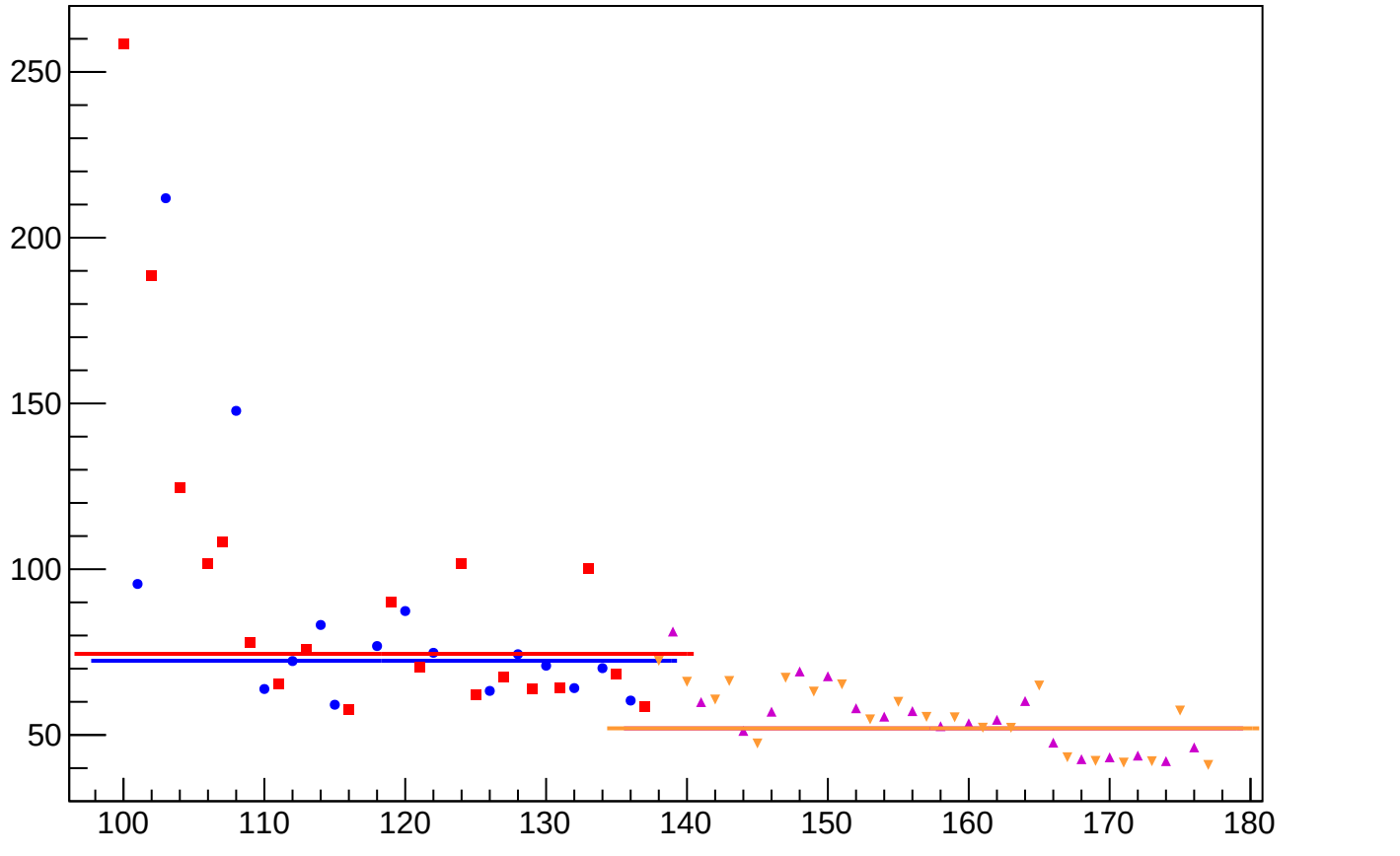
Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: 36.649+/-13.568 χ^2/NDF:17.9/18

+ sign -6.308+/-11.889 χ^2/NDF: 64.4/36

All: 8.737+/-8.543 χ^2/NDF: 108.4/74

- sign 24.792+/-12.282 χ^2/NDF: 40.6/37



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.004+/-0.009 χ^2/NDF:1056168.3/20

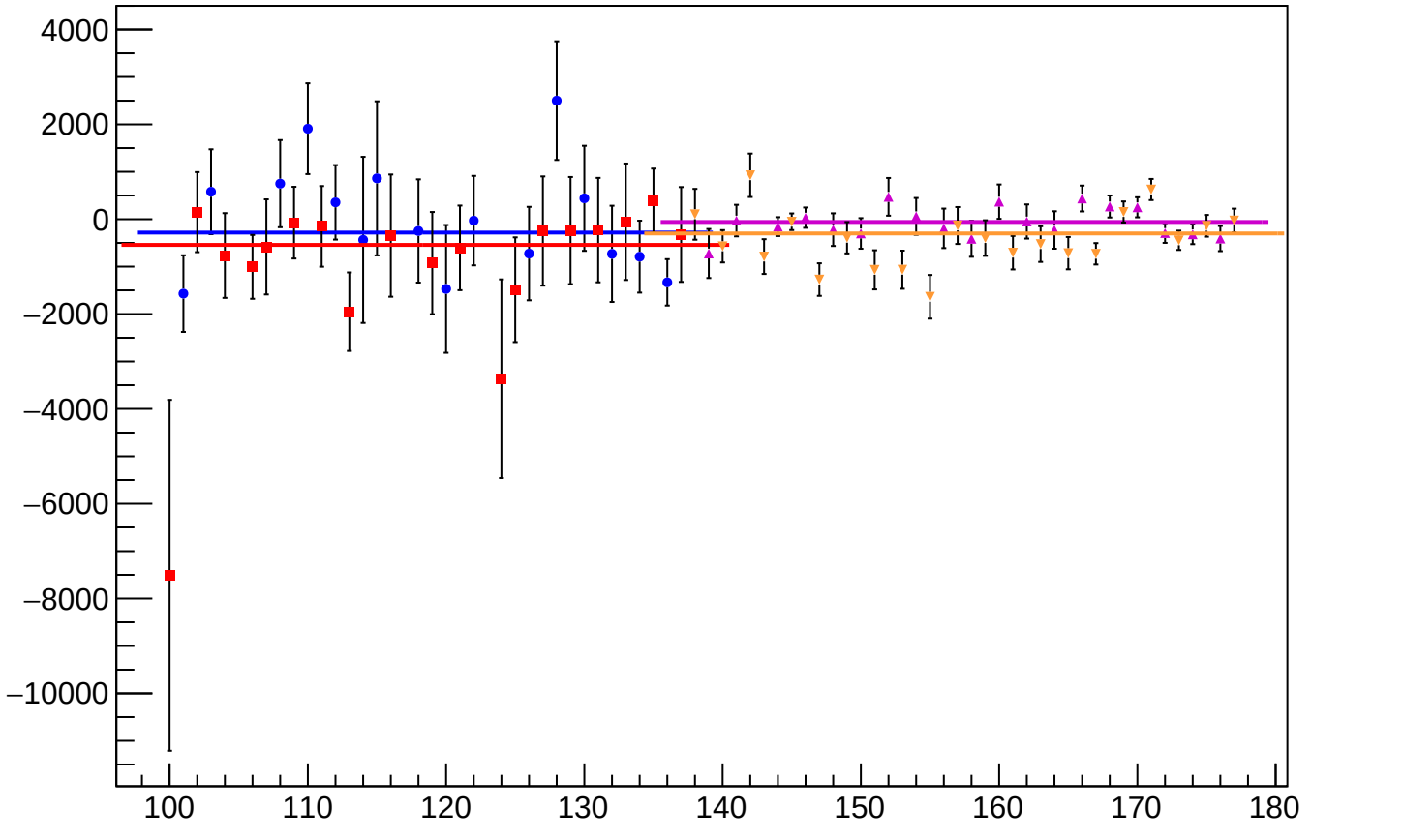
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 51.978+/-0.010 χ^2/NDF:846279.7/18

+ sign 55.596+/-0.008 χ^2/NDF: 2847161.0/36

All: 55.809+/-0.006 χ^2/NDF: 5738541.0/74

- sign 56.037+/-0.009 χ^2/NDF: 2890050.9/37



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -300.458+/-63.553 χ^2/NDF:66.3/20

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

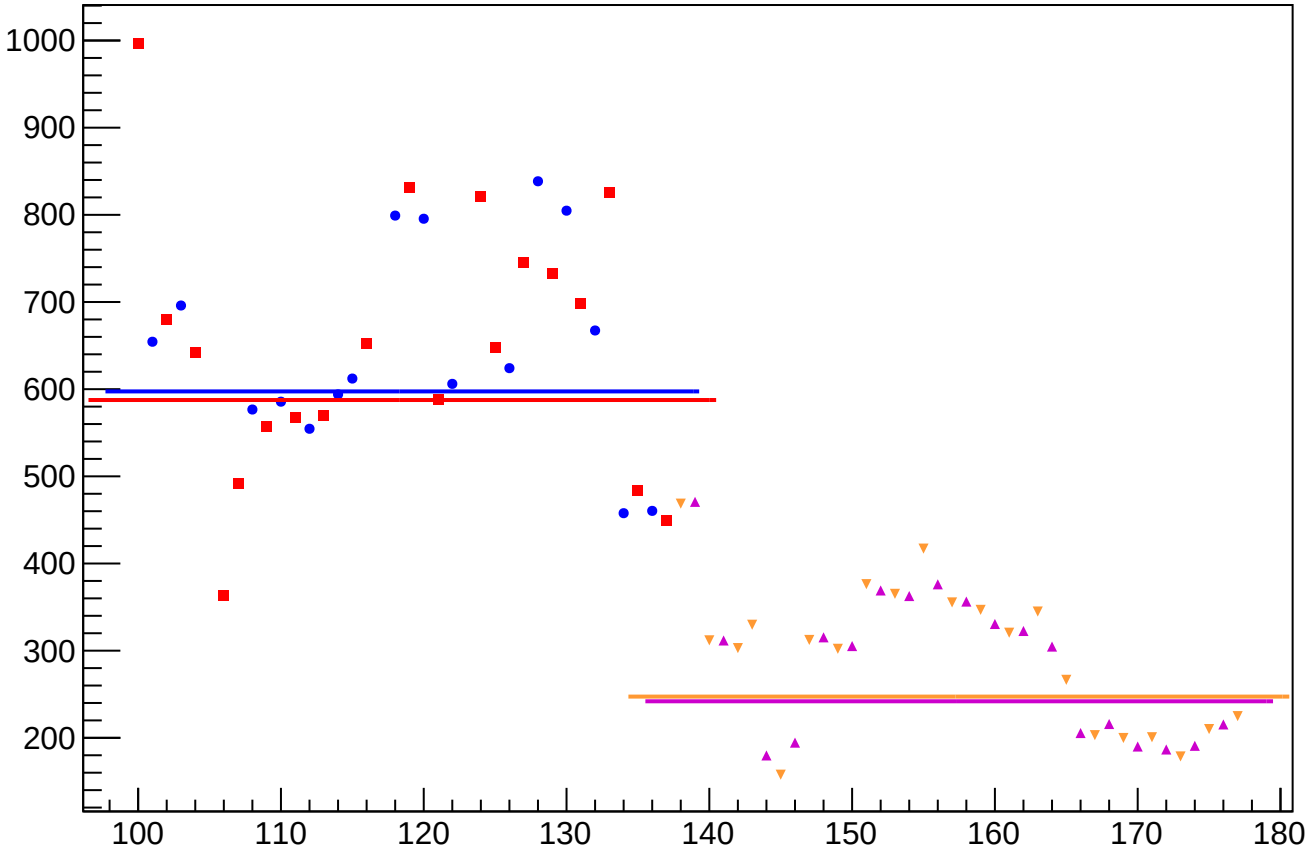
Left In: -58.193+/-64.486 χ^2/NDF:19.3/18

\+ sign -299.128+/-61.216 χ^2/NDF: 89.1/36

All: -198.790+/-43.527 χ^2/NDF: 131.5/74

\- sign -96.186+/-61.903 χ^2/NDF: 37.0/37

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 247.315+/-0.045 χ^2/NDF:2904226.5/20

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

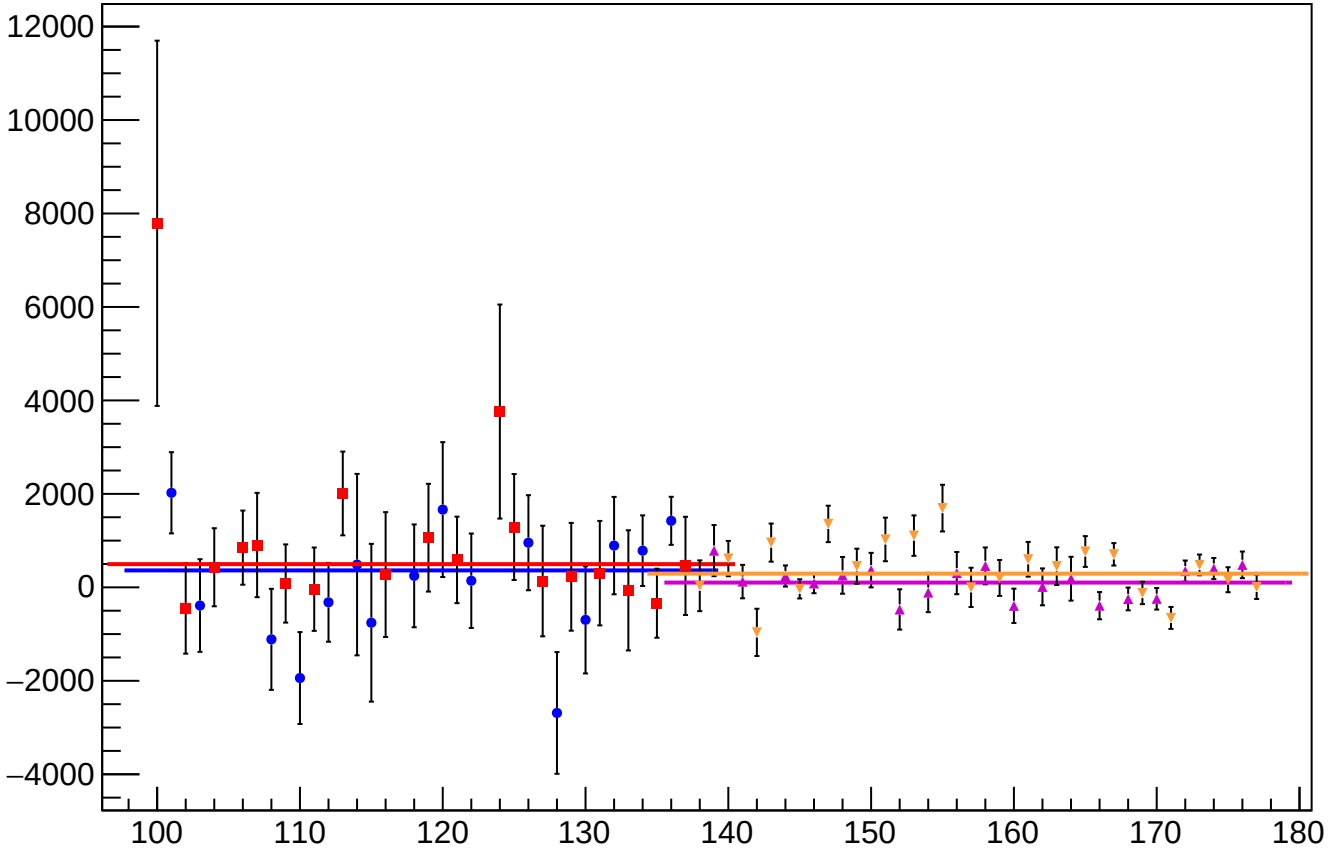
Left In: 241.920+/-0.046 χ^2/NDF:2464934.1/18

+ sign 272.601+/-0.043 χ^2/NDF: 7821818.0/36

All: 270.851+/-0.031 χ^2/NDF: 15491045.0/74

- sign 269.062+/-0.044 χ^2/NDF: 7665923.5/37

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 293.346+/-69.205 χ^2/NDF:61.7/20

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

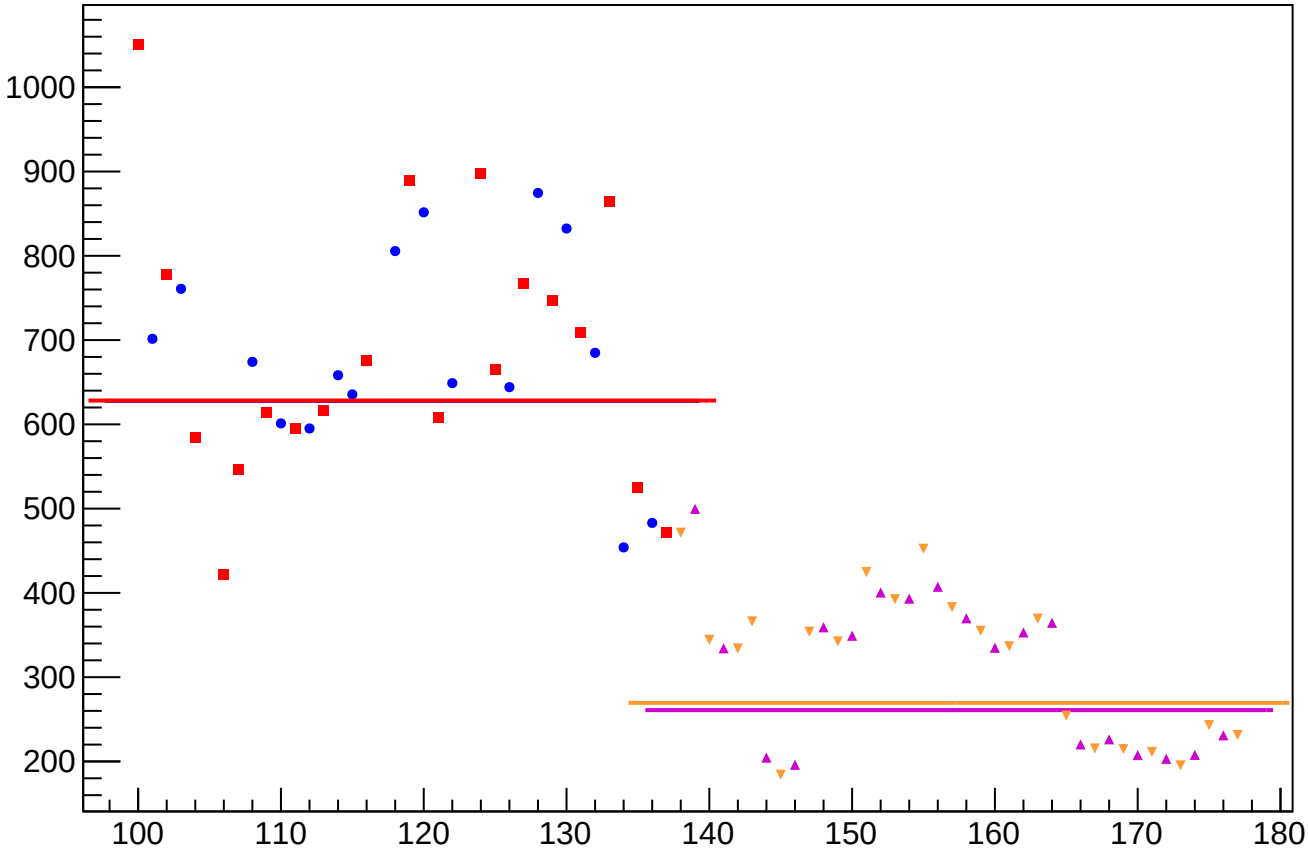
Left In: 102.053+/-69.523 χ^2/NDF:19.5/18

+ sign 298.633+/-66.502 χ^2/NDF: 86.8/36

All: 216.328+/-47.090 χ^2/NDF: 124.6/74

- sign 133.555+/-66.690 χ^2/NDF: 34.8/37

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 269.497+/-0.049 χ^2/NDF:2715834.3/20

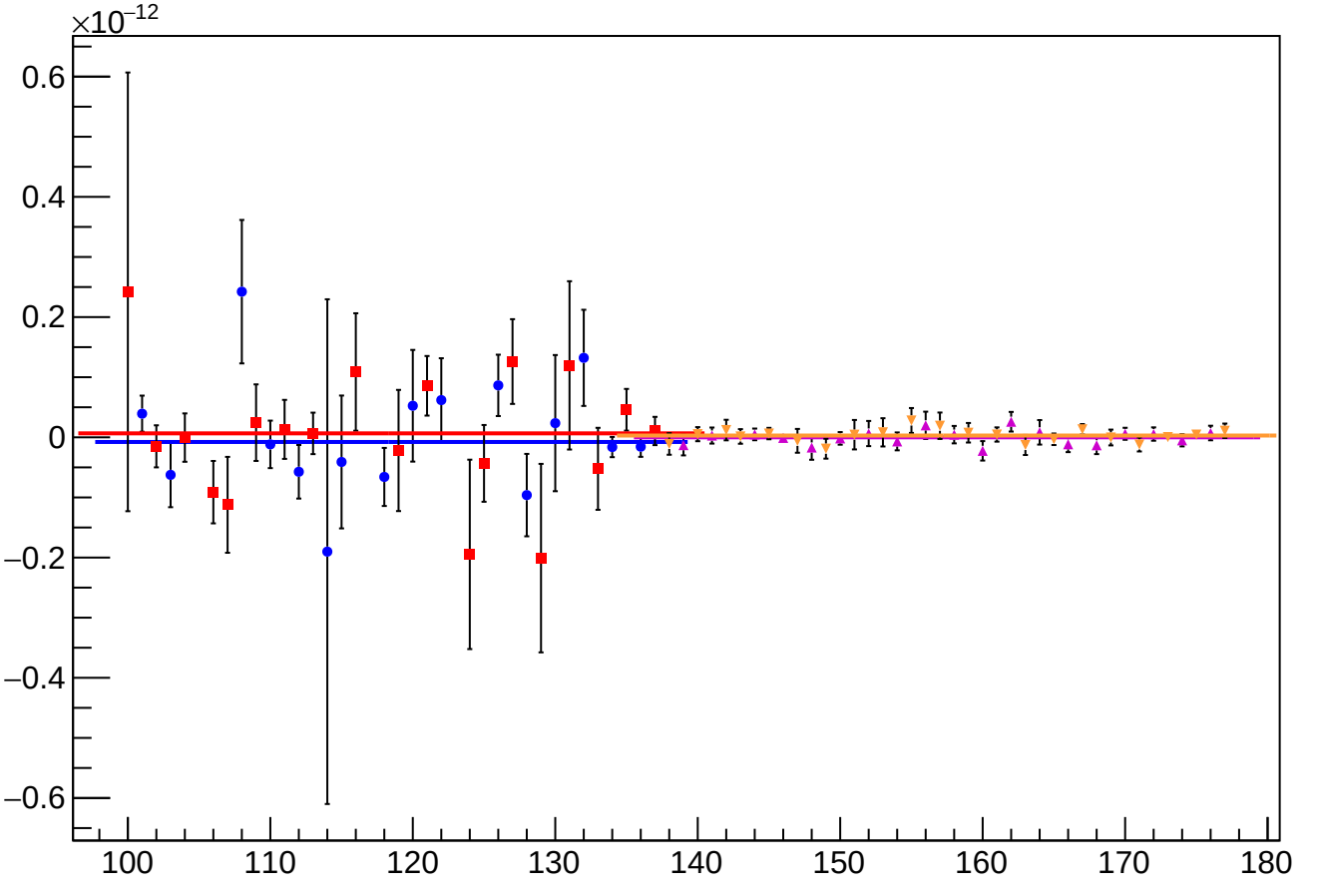
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 260.917+/-0.049 χ^2/NDF:2527448.3/18

+ sign 296.945+/-0.047 χ^2/NDF: 7390742.8/36

All: 293.603+/-0.033 χ^2/NDF: 14956742.4/74

- sign 290.243+/-0.047 χ^2/NDF: 7555872.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/20

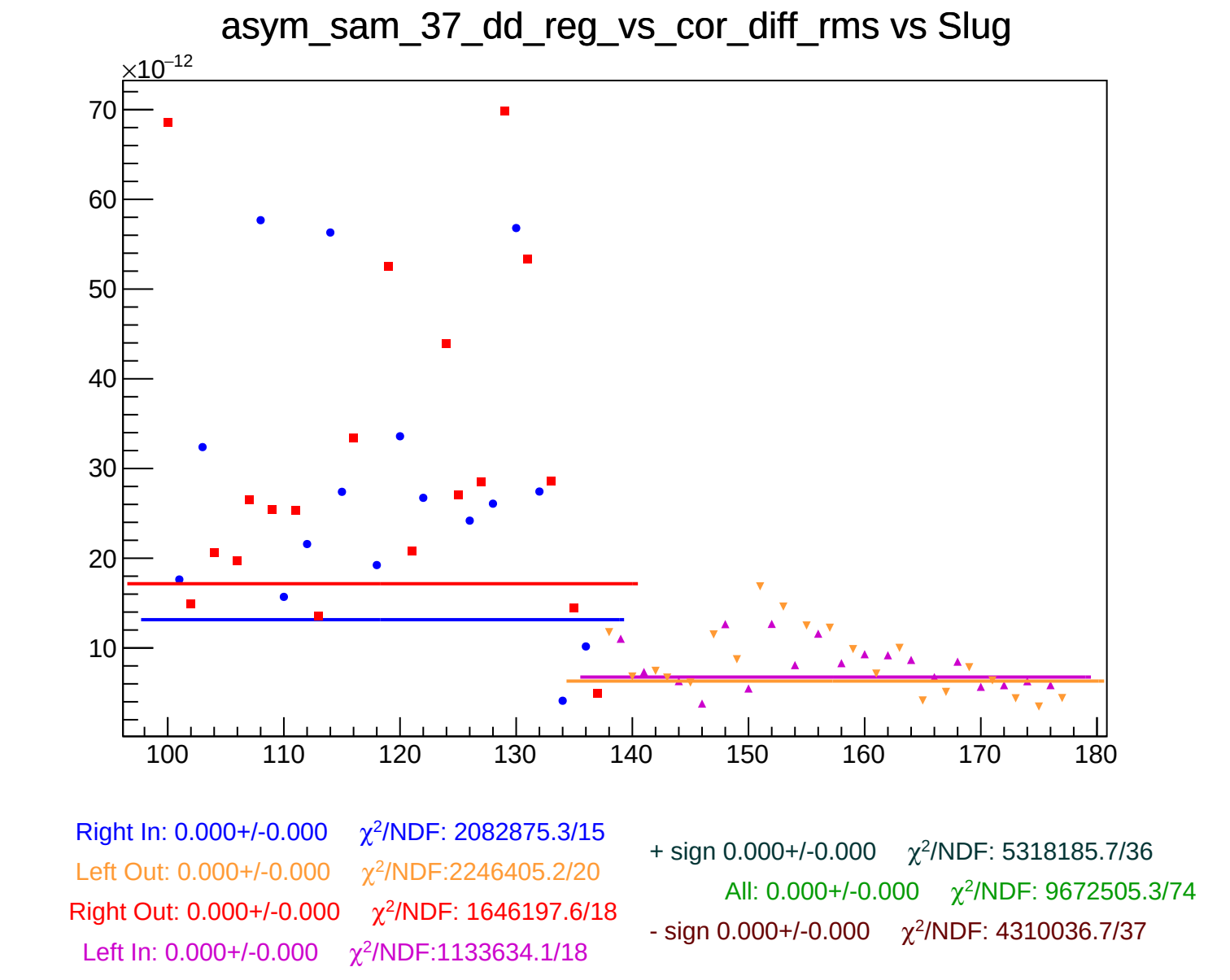
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/36

All: 0.000+/-0.000 χ^2/NDF: 63.0/74

- sign 0.000+/-0.000 χ^2/NDF: 30.5/37


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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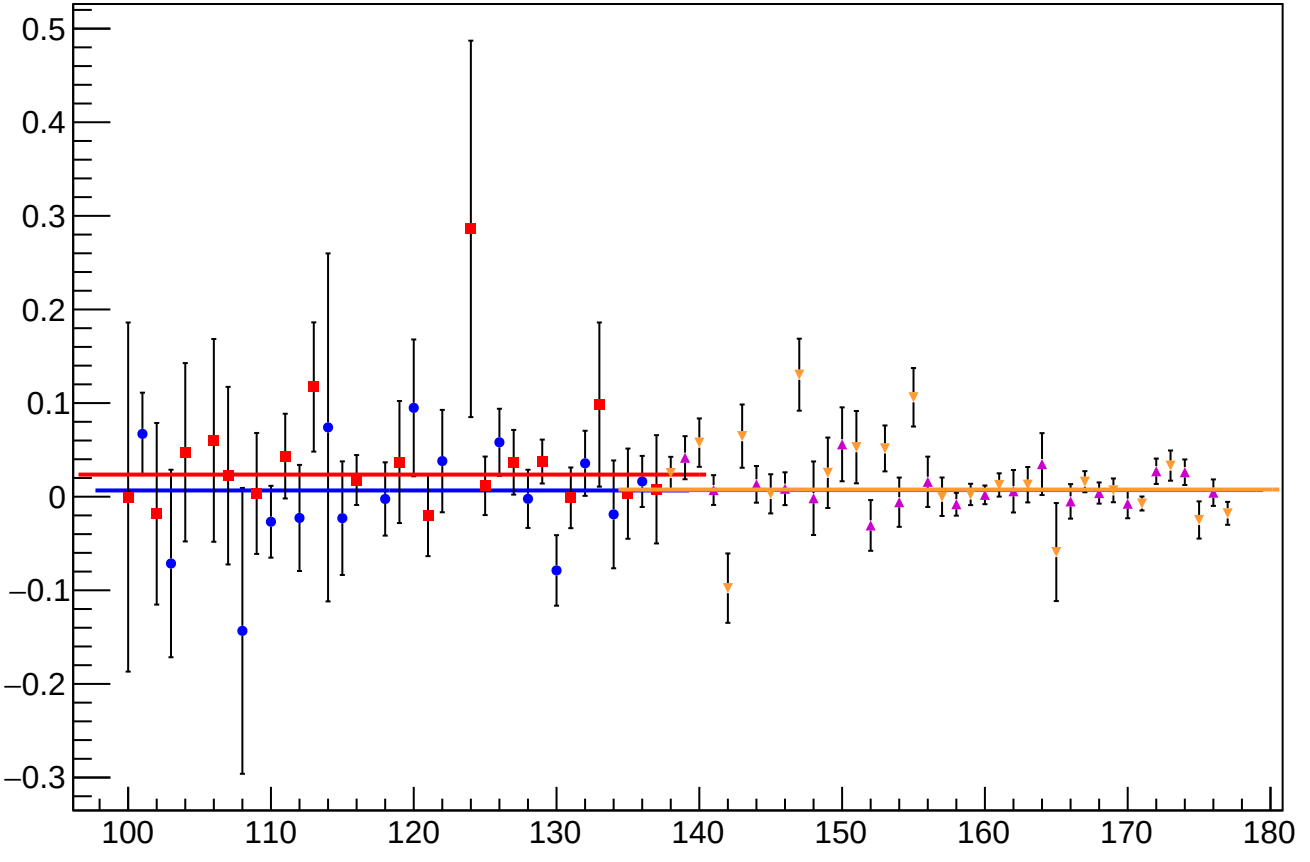
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2246405.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1133634.1/18
+ sign 0.000+/-0.000 χ²/NDF: 5318185.7/36
All: 0.000+/-0.000 χ²/NDF: 9672505.3/74
- sign 0.000+/-0.000 χ²/NDF: 4310036.7/37

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:56.9/20

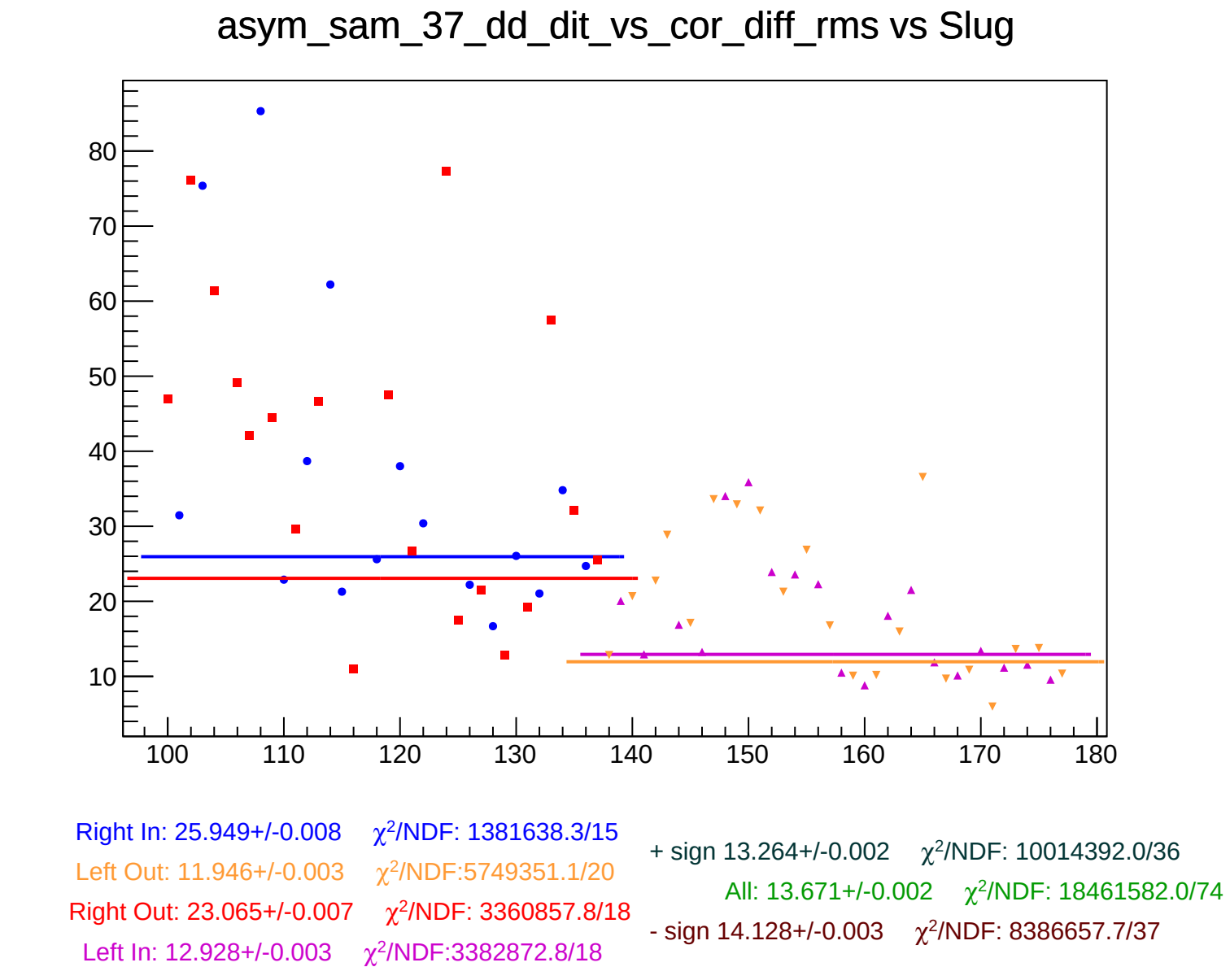
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/18

+ sign 0.008+/-0.003 χ^2/NDF: 72.0/36

All: 0.008+/-0.002 χ^2/NDF: 96.1/74

- sign 0.009+/-0.004 χ^2/NDF: 24.0/37


asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug
80
70
60
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120
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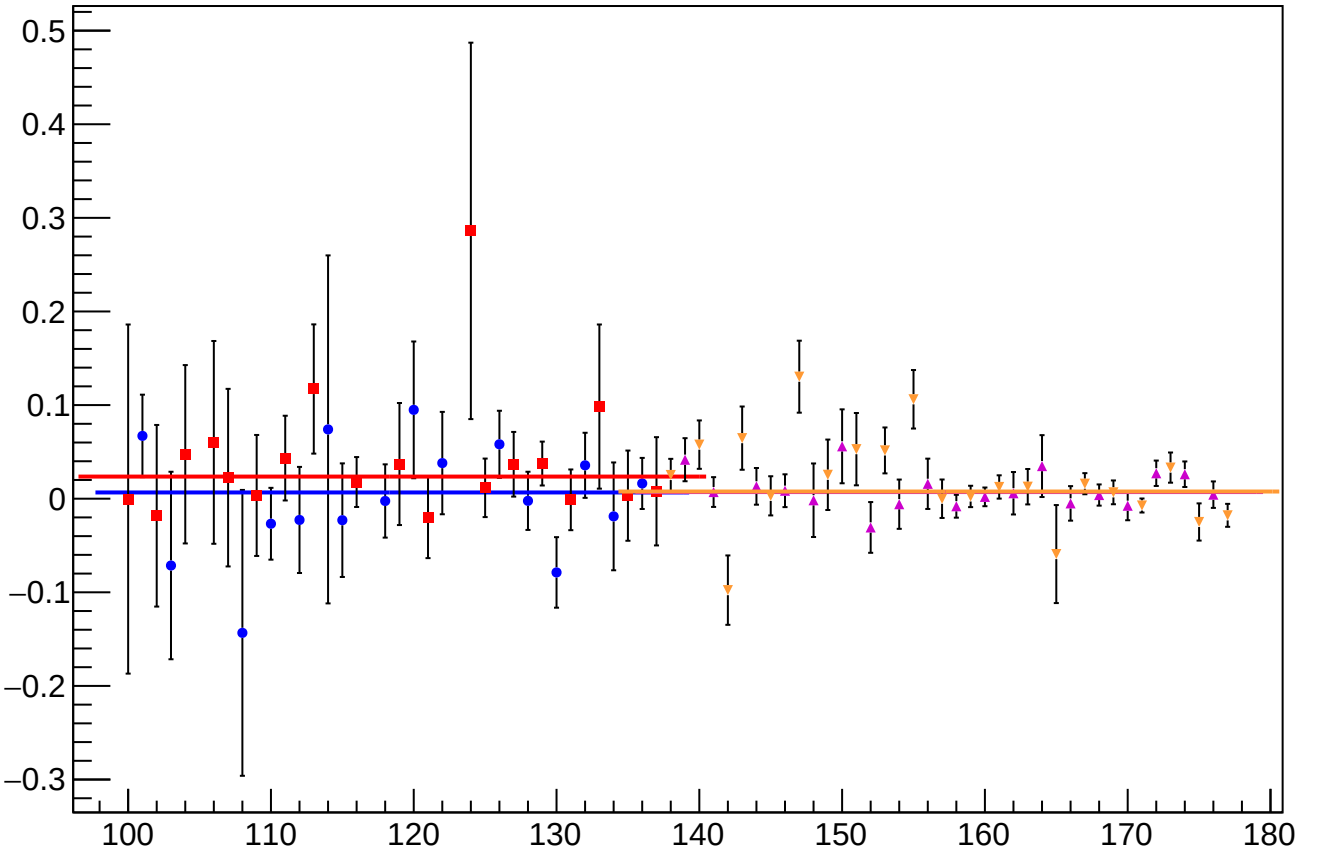
170
180
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 11.946+/-0.003 χ²/NDF:5749351.1/20
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 12.928+/-0.003 χ²/NDF:3382872.8/18
+ sign 13.264+/-0.002 χ²/NDF: 10014392.0/36
All: 13.671+/-0.002 χ²/NDF: 18461582.0/74
- sign 14.128+/-0.003 χ²/NDF: 8386657.7/37



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:56.9/20

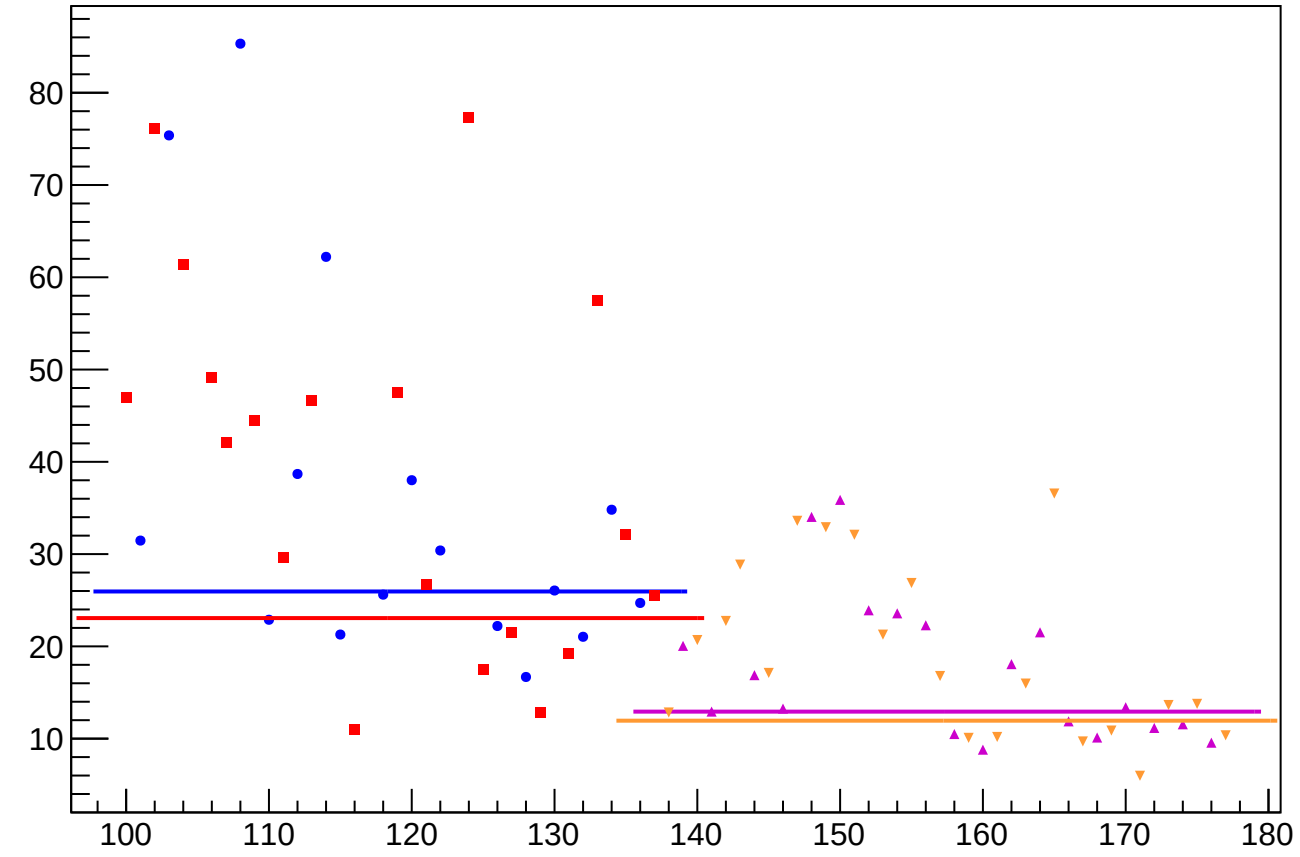
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/18

+ sign 0.008+/-0.003 χ^2/NDF: 72.0/36

All: 0.008+/-0.002 χ^2/NDF: 96.1/74

- sign 0.009+/-0.004 χ^2/NDF: 24.0/37



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 11.946+/-0.003 χ^2/NDF:5749351.1/20

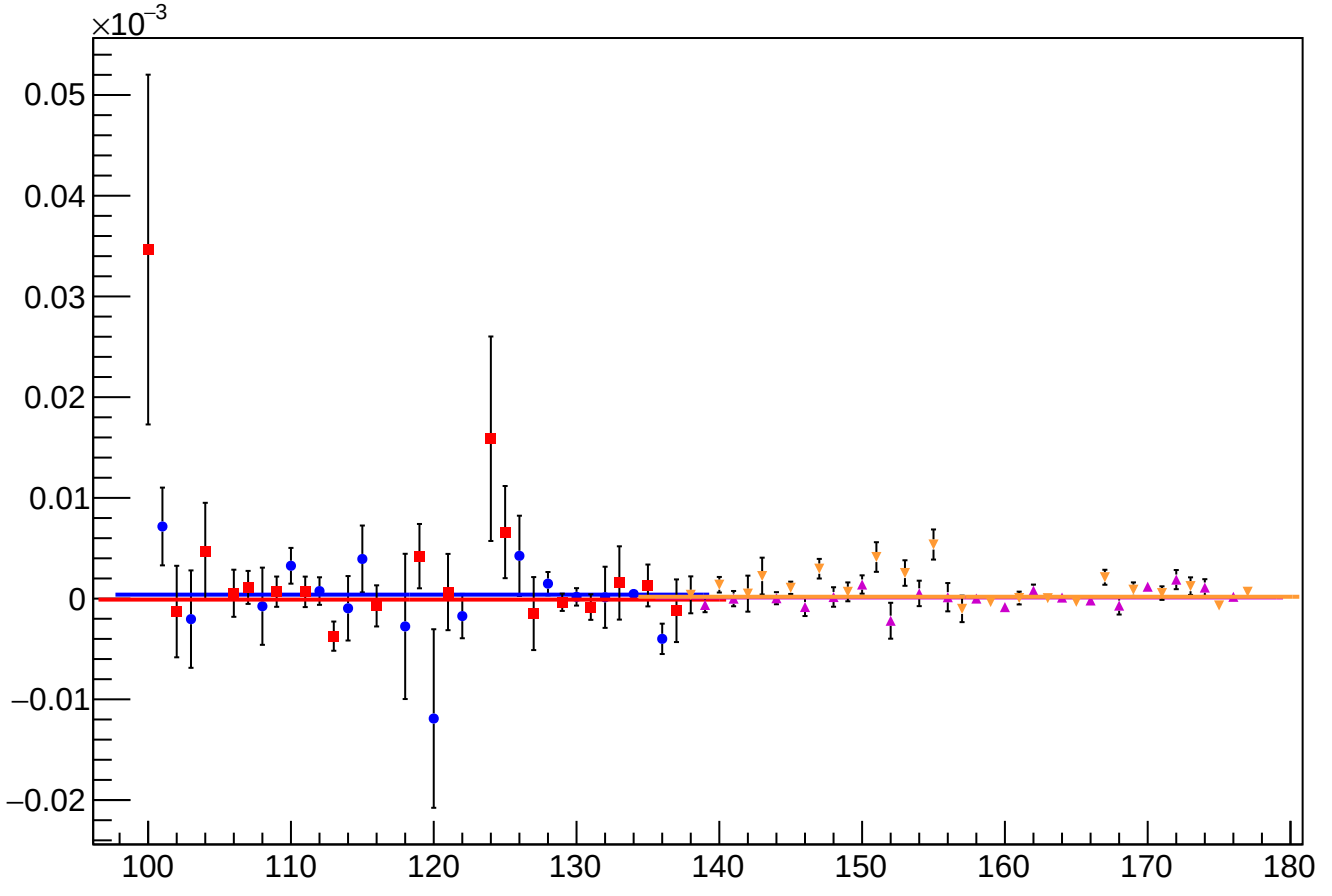
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.928+/-0.003 χ^2/NDF:3382872.8/18

+ sign 13.264+/-0.002 χ^2/NDF: 10014392.0/36

All: 13.671+/-0.002 χ^2/NDF: 18461582.0/74

- sign 14.128+/-0.003 χ^2/NDF: 8386657.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:59.9/20

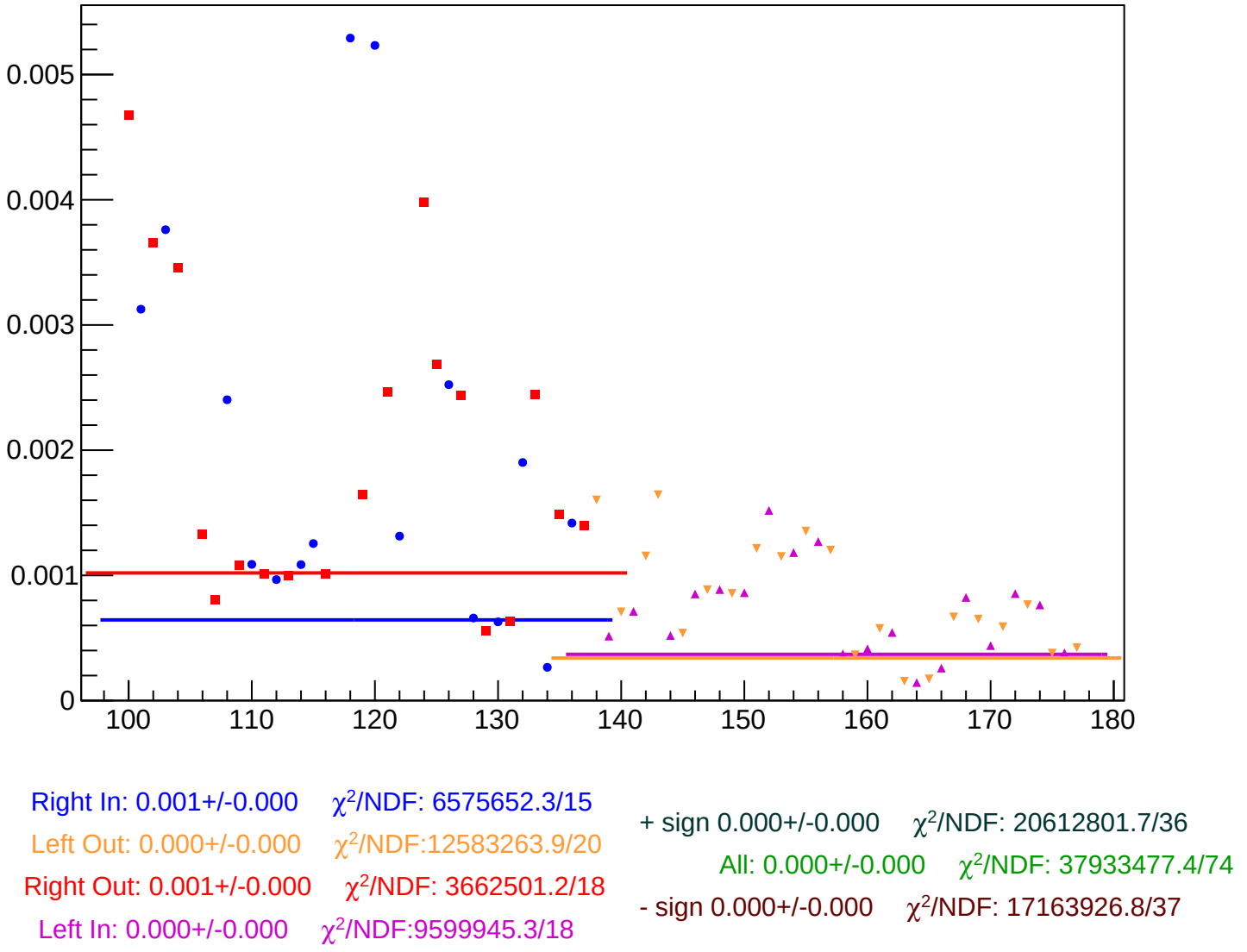
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:22.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 81.1/36

All: 0.000+/-0.000 χ^2/NDF: 124.8/74

- sign 0.000+/-0.000 χ^2/NDF: 43.2/37


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
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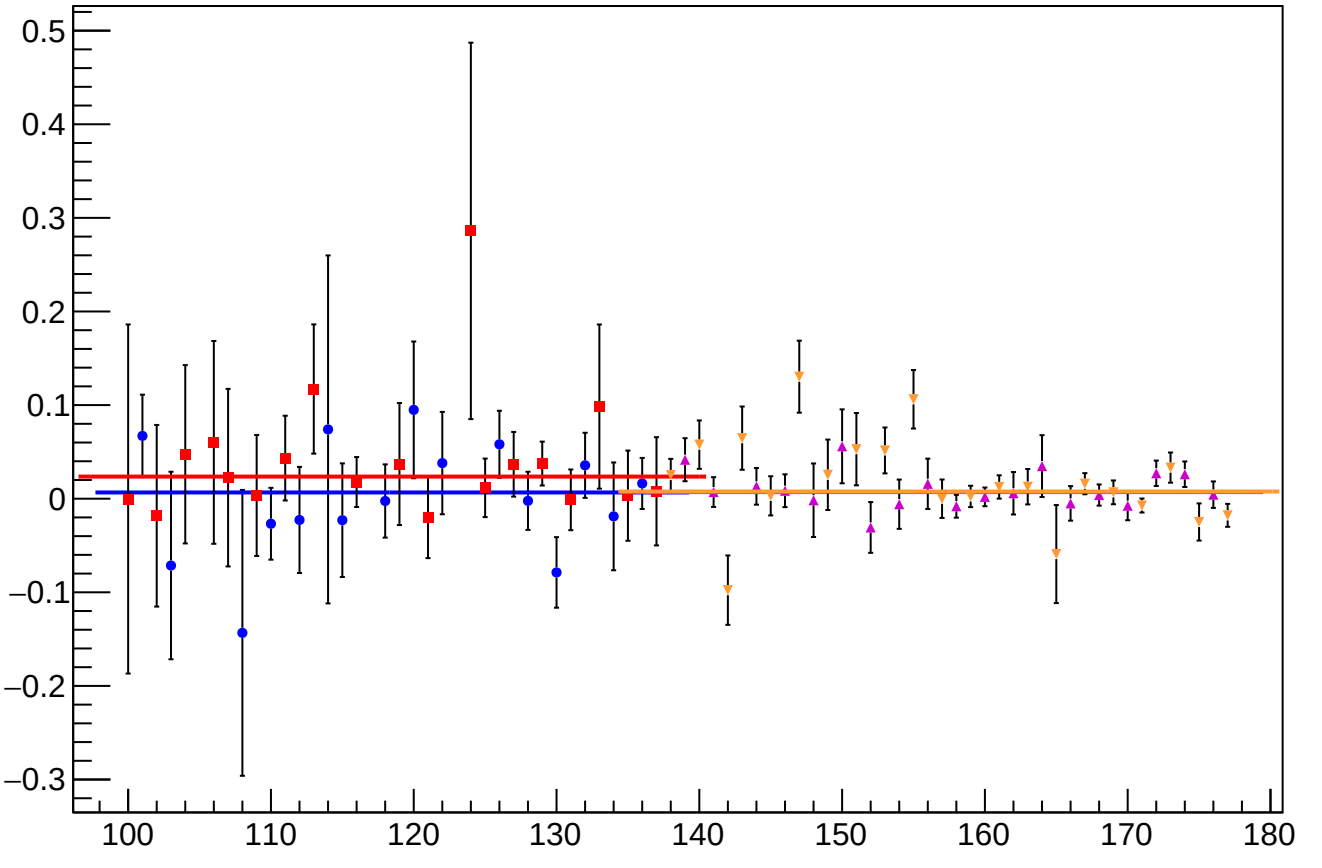
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.000+/-0.000 χ²/NDF:12583263.9/20
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.000+/-0.000 χ²/NDF:9599945.3/18
+ sign 0.000+/-0.000 χ²/NDF: 20612801.7/36
All: 0.000+/-0.000 χ²/NDF: 37933477.4/74
- sign 0.000+/-0.000 χ²/NDF: 17163926.8/37



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:56.9/20

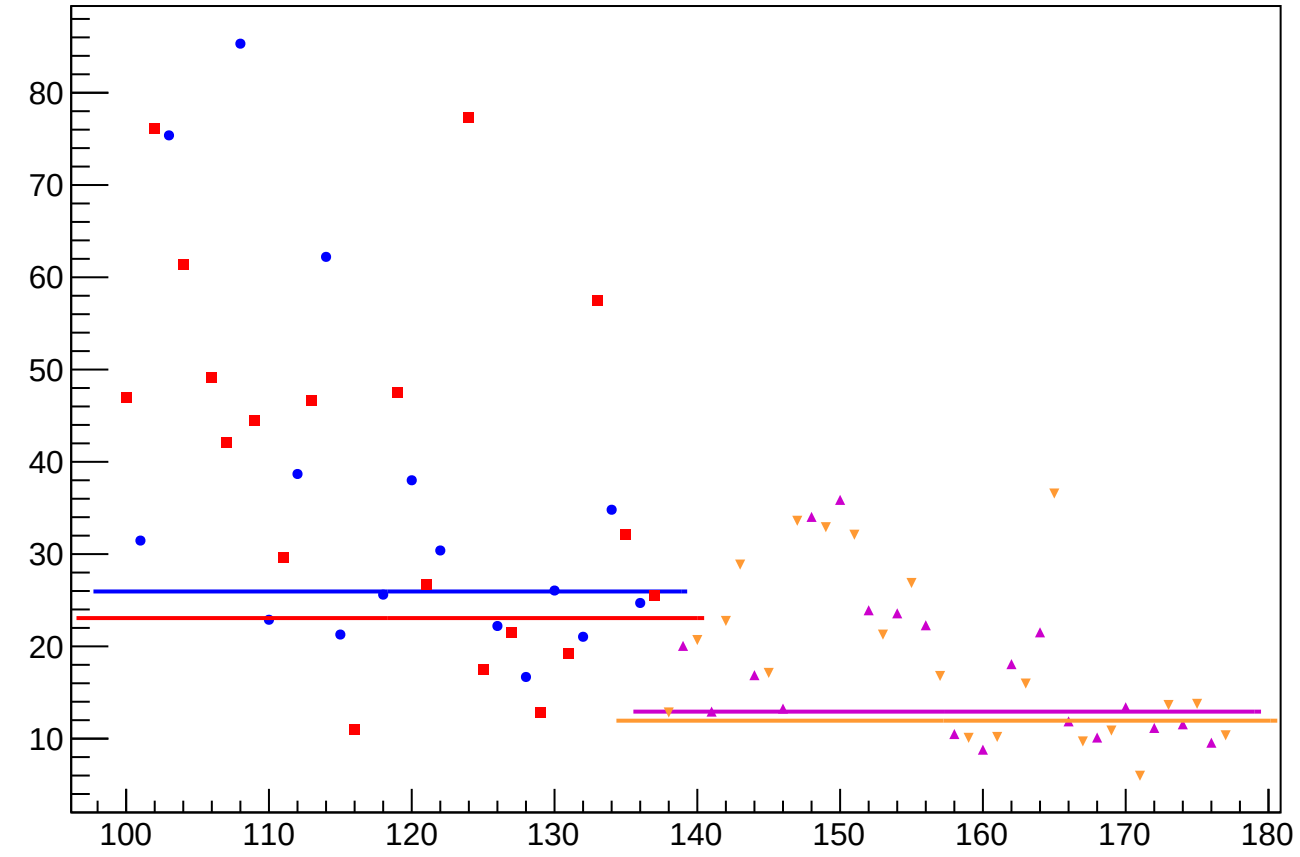
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/18

+ sign 0.008+/-0.003 χ^2/NDF: 72.0/36

All: 0.008+/-0.002 χ^2/NDF: 96.1/74

- sign 0.009+/-0.004 χ^2/NDF: 24.0/37



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 11.946+/-0.003 χ^2/NDF:5749582.9/20

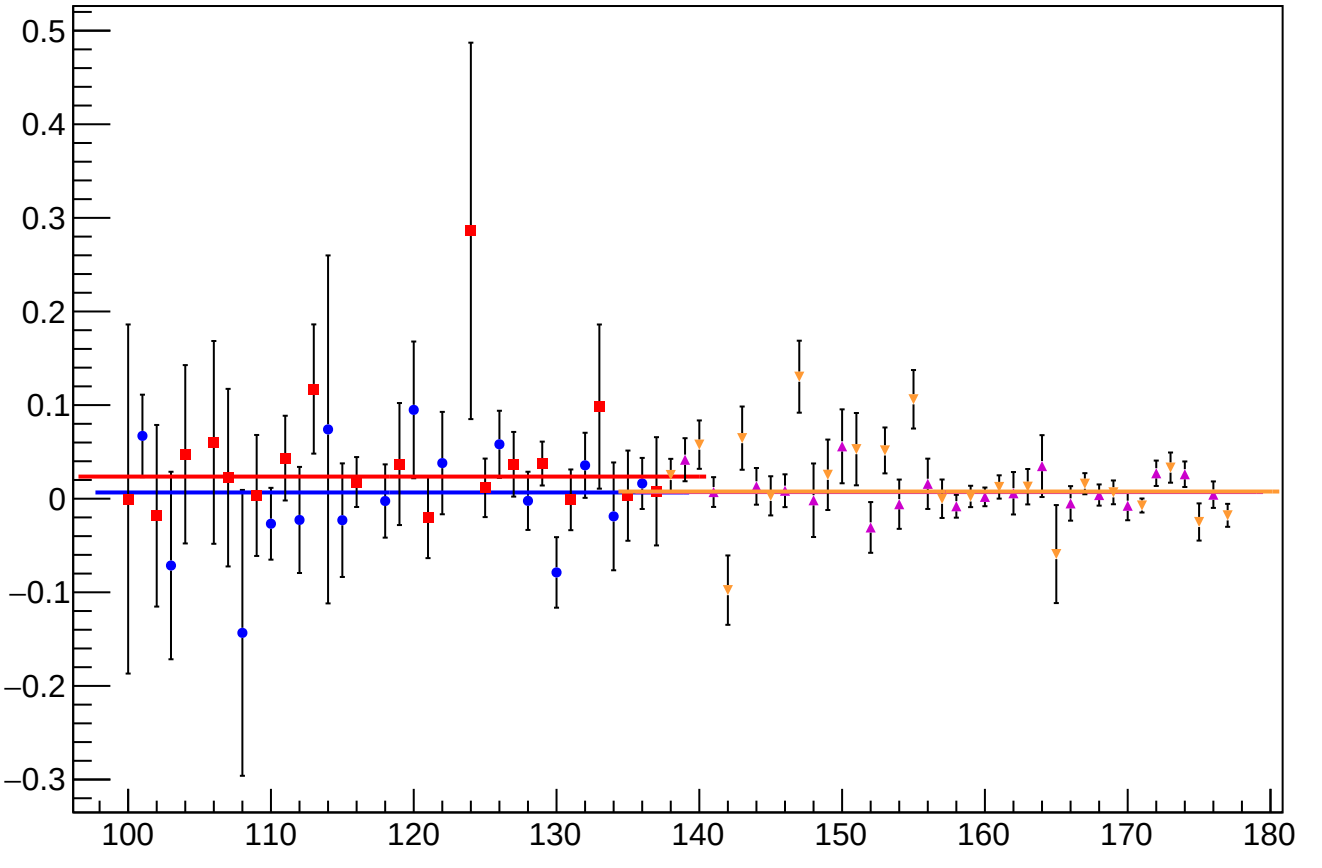
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.928+/-0.003 χ^2/NDF:3383041.3/18

+ sign 13.265+/-0.002 χ^2/NDF: 10014648.0/36

All: 13.671+/-0.002 χ^2/NDF: 18461938.6/74

- sign 14.129+/-0.003 χ^2/NDF: 8386756.3/37



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:56.9/20

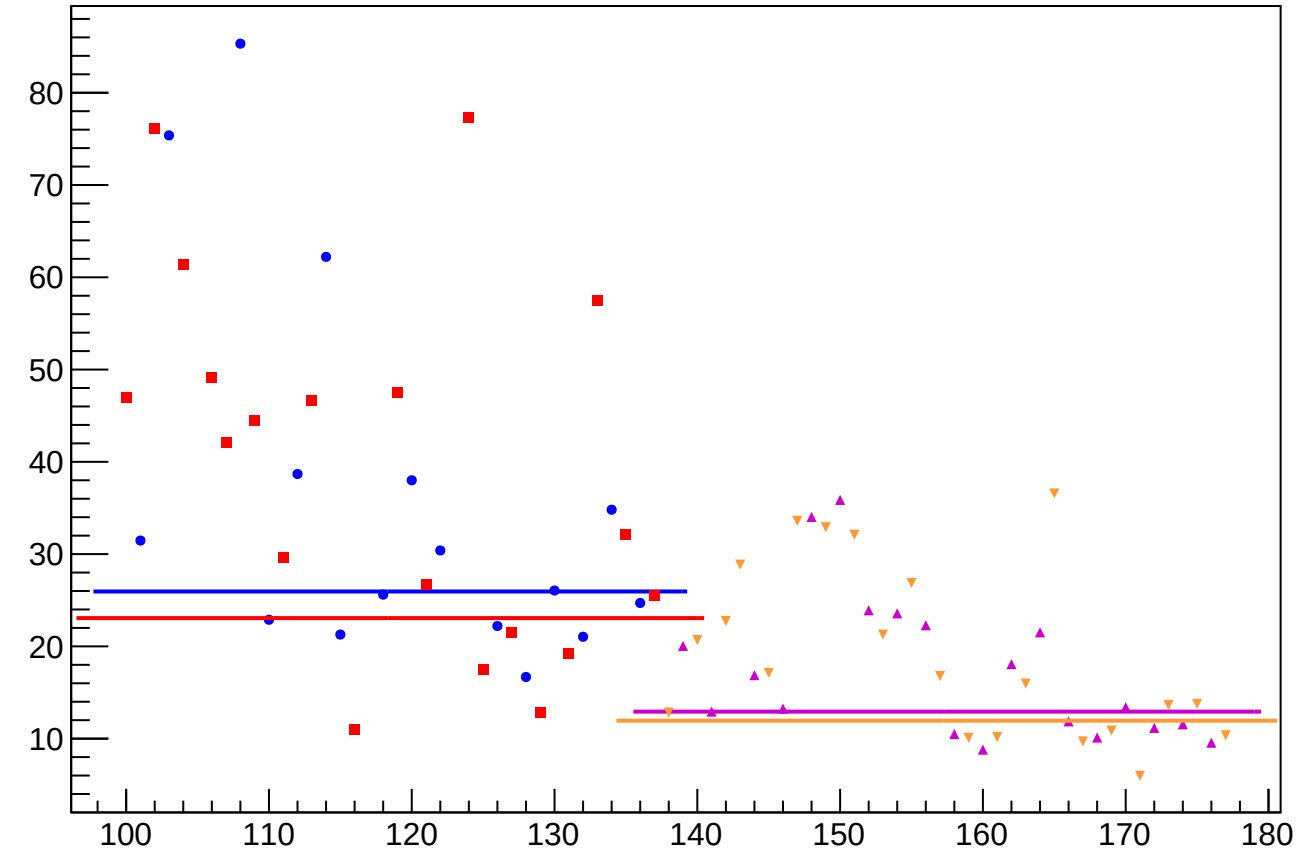
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.007+/-0.004 χ^2/NDF:14.3/18

+ sign 0.008+/-0.003 χ^2/NDF: 72.0/36

All: 0.008+/-0.002 χ^2/NDF: 96.1/74

- sign 0.009+/-0.004 χ^2/NDF: 24.0/37



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 11.946+/-0.003 χ^2/NDF:5749582.9/20

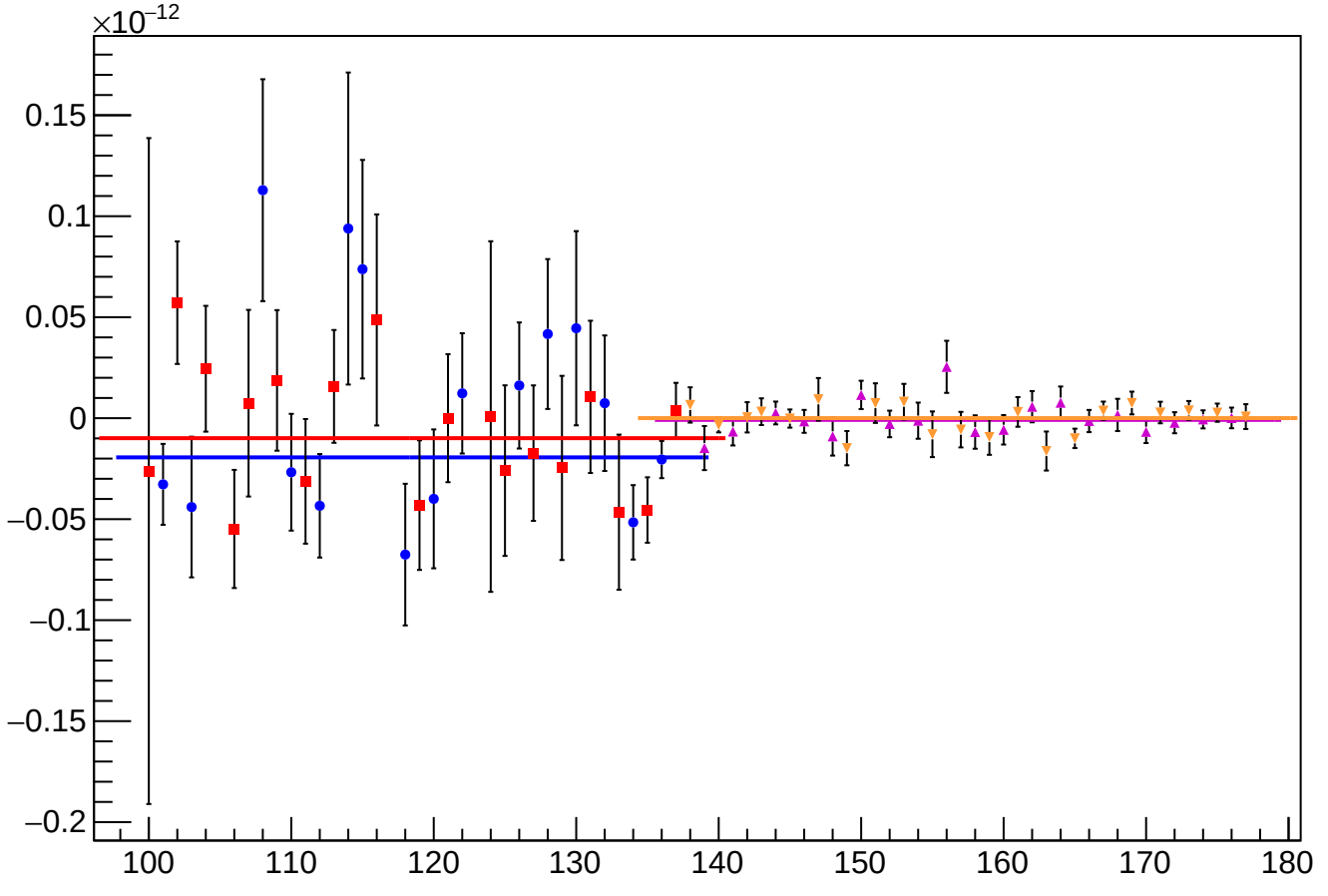
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.928+/-0.003 χ^2/NDF:3383041.3/18

+ sign 13.265+/-0.002 χ^2/NDF: 10014648.0/36

All: 13.671+/-0.002 χ^2/NDF: 18461938.6/74

- sign 14.129+/-0.003 χ^2/NDF: 8386756.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.0/20

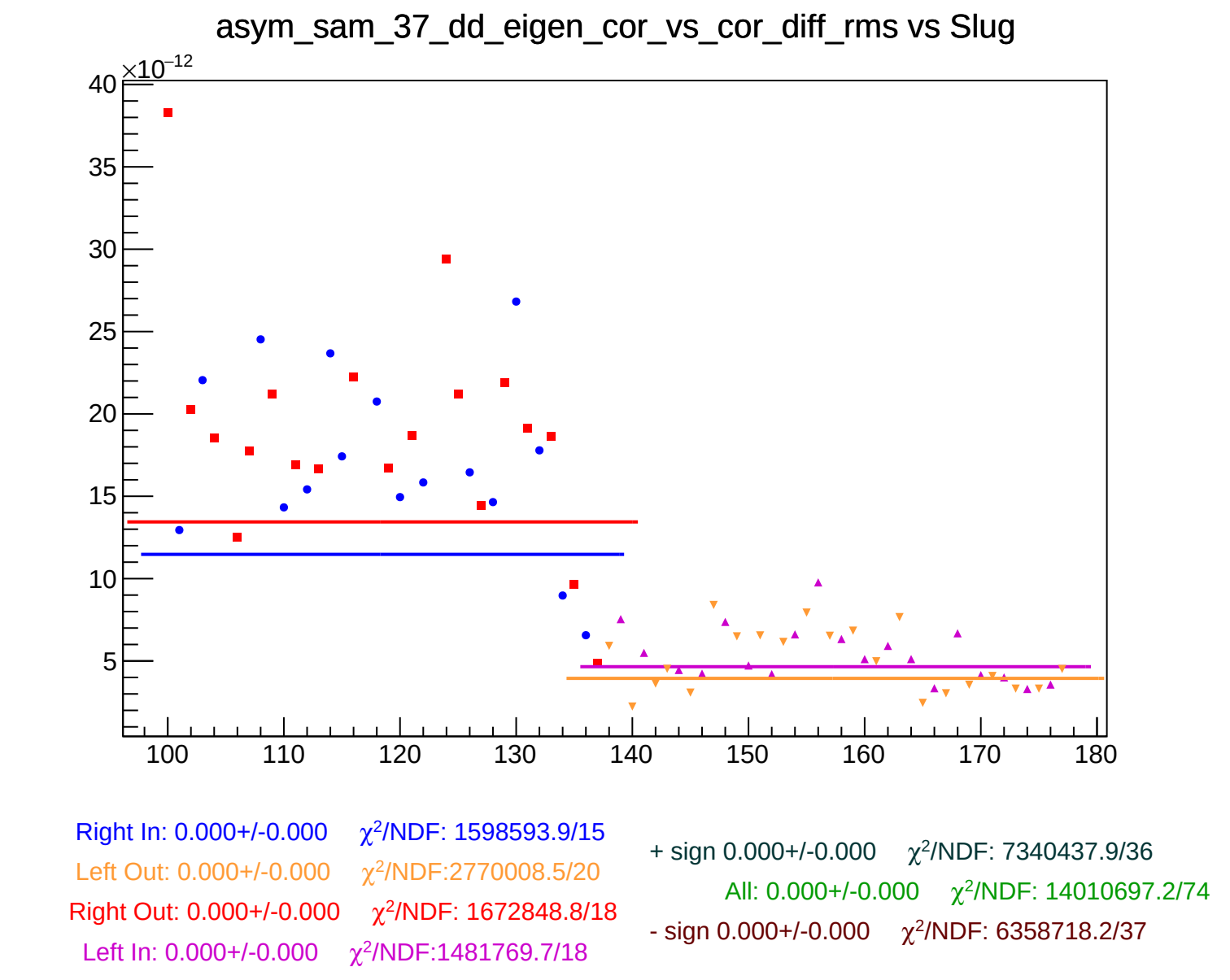
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 55.6/36

All: -0.000+/-0.000 χ^2/NDF: 92.6/74

- sign -0.000+/-0.000 χ^2/NDF: 37.0/37


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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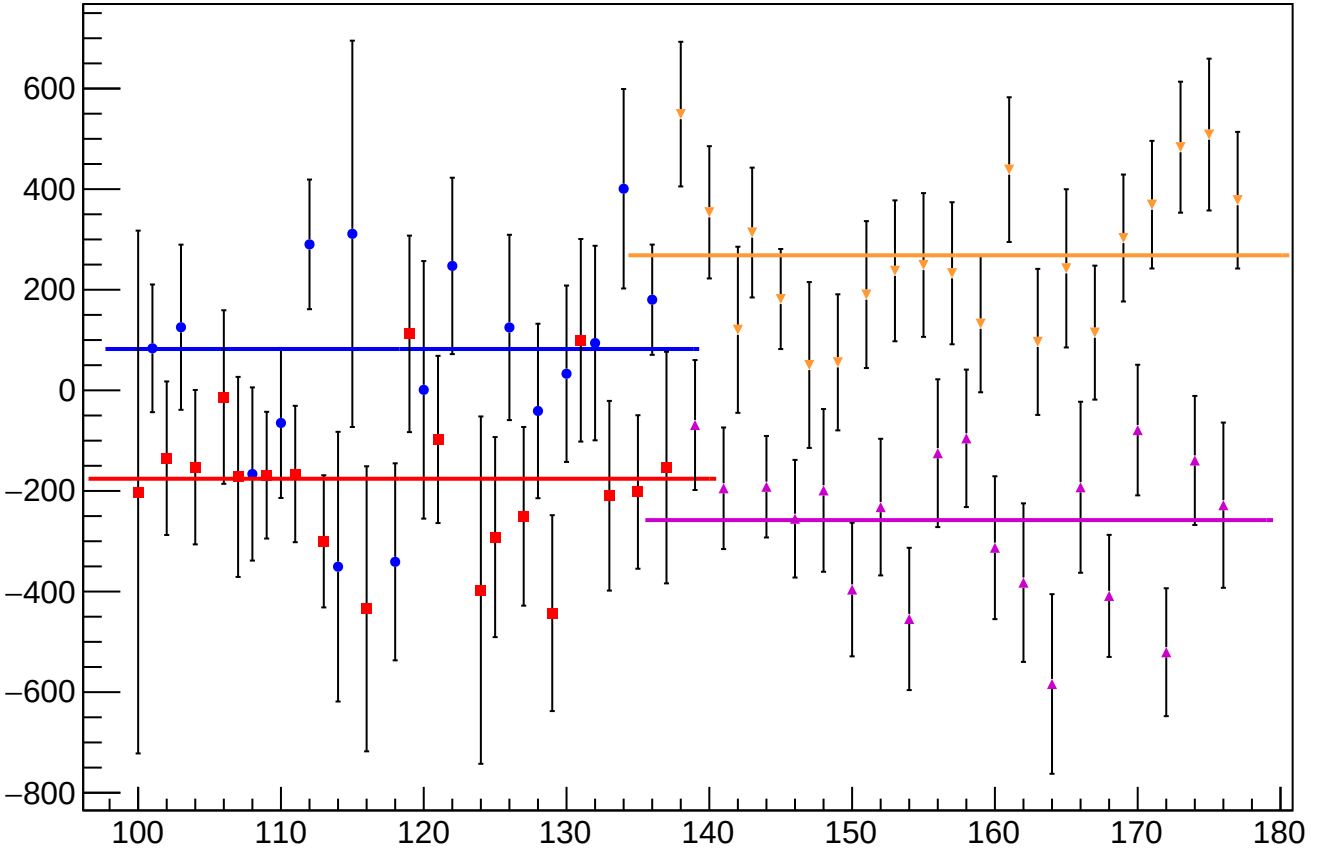
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2770008.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1481769.7/18
+ sign 0.000+/-0.000 χ²/NDF: 7340437.9/36
All: 0.000+/-0.000 χ²/NDF: 14010697.2/74
- sign 0.000+/-0.000 χ²/NDF: 6358718.2/37

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.474+/-29.870 χ^2/NDF:22.3/20

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

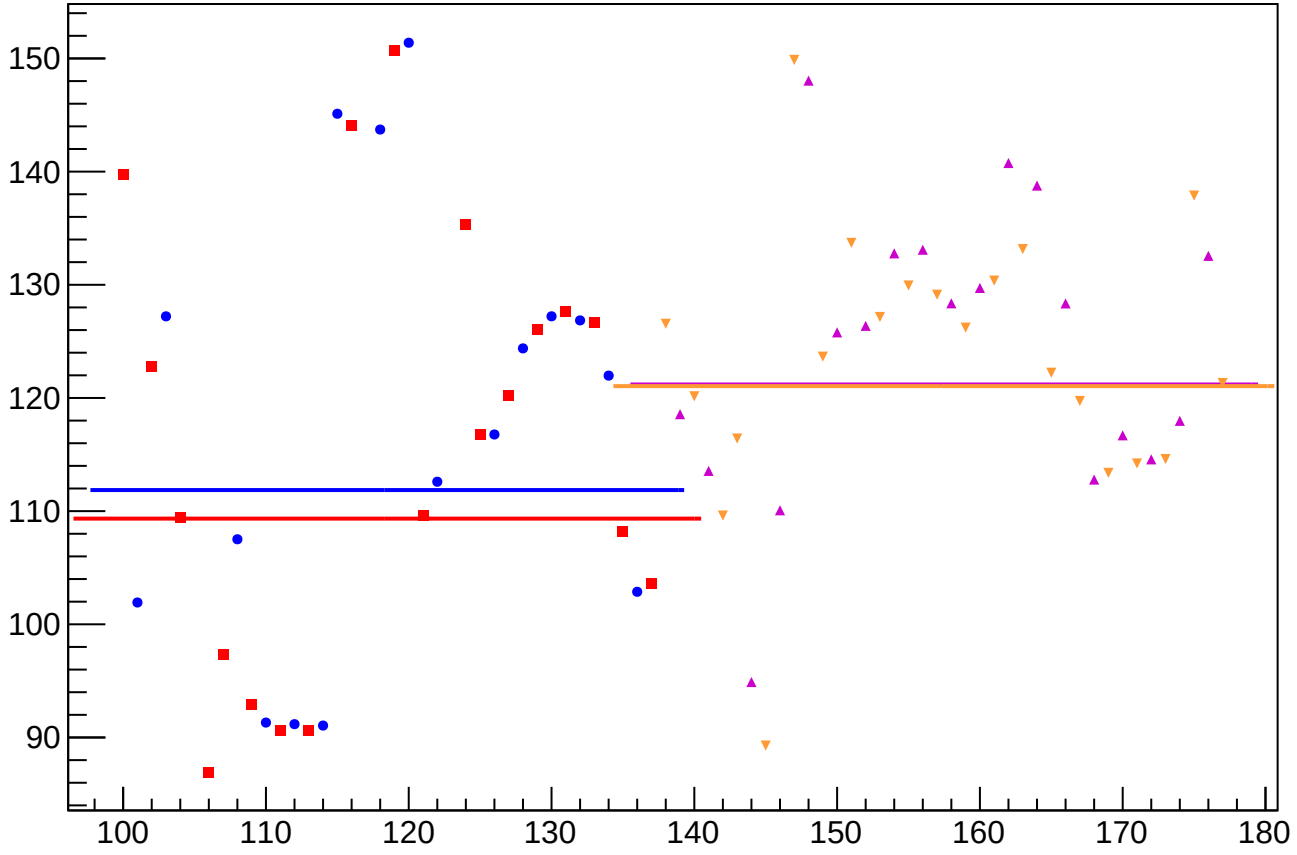
Left In: -257.947+/-30.988 χ^2/NDF:21.1/18

+ sign 206.165+/-24.368 χ^2/NDF: 53.7/36

All: -8.302+/-17.329 χ^2/NDF: 244.0/74

- sign -227.751+/-24.649 χ^2/NDF: 33.6/37

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.047+/-0.021 χ^2/NDF:382608.6/20

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

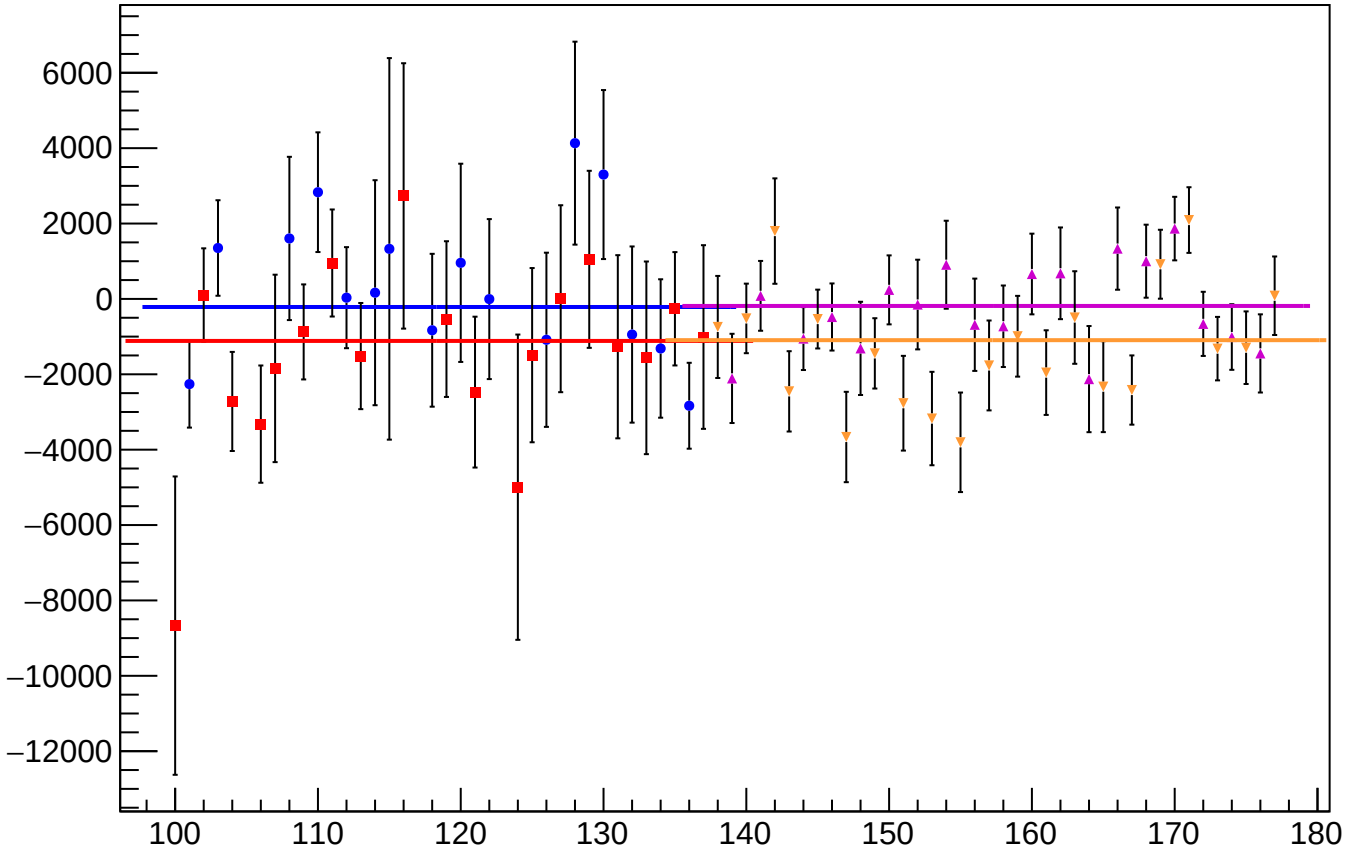
Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

+ sign 117.974+/-0.017 χ^2/NDF: 751880.9/36

All: 117.413+/-0.012 χ^2/NDF: 1572977.0/74

- sign 116.838+/-0.017 χ^2/NDF: 818945.3/37

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1094.575+/-227.736 χ^2/NDF:44.3/20

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

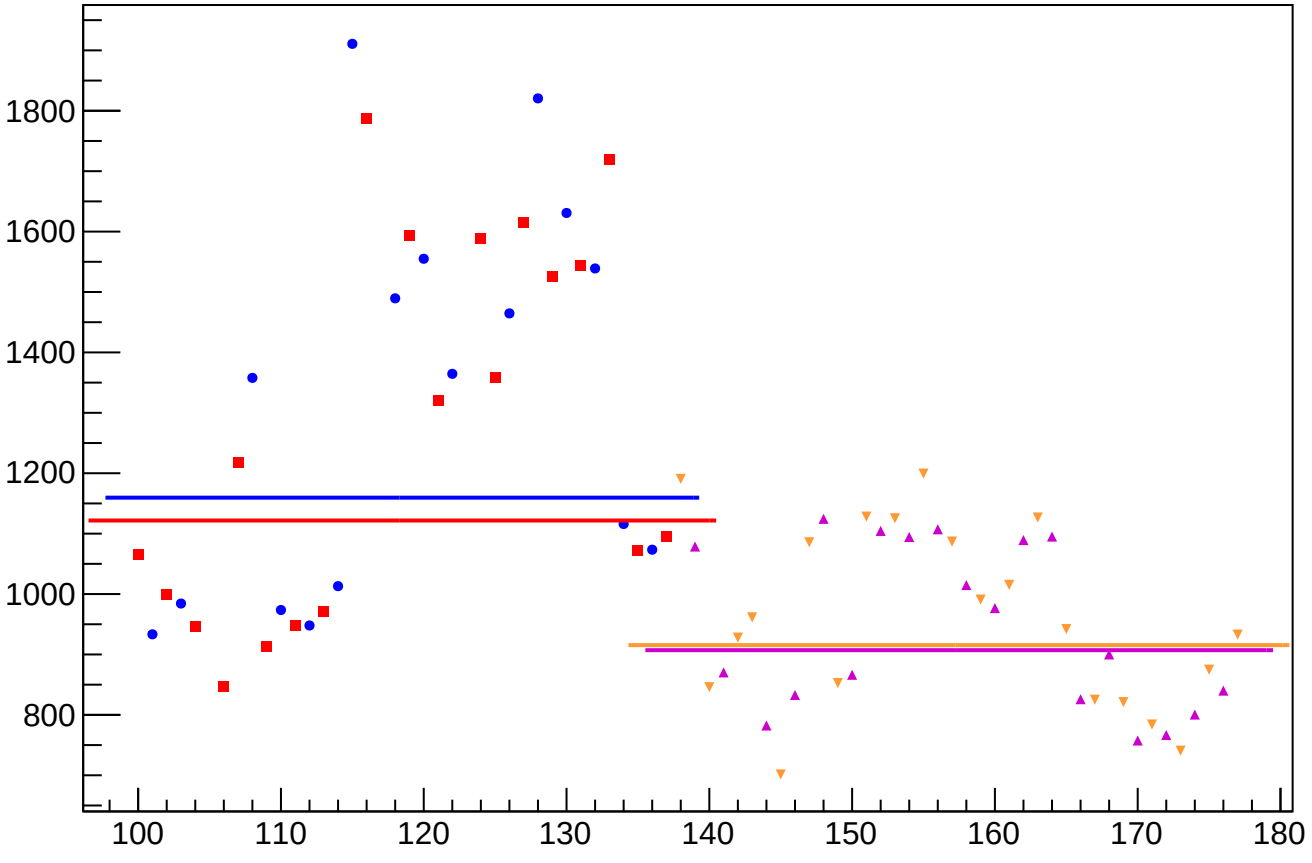
Left In: -186.542+/-233.235 χ^2/NDF:21.3/18

+ sign -911.175+/-202.632 χ^2/NDF: 67.9/36

All: -659.060+/-143.851 χ^2/NDF: 110.6/74

- sign -402.904+/-204.249 χ^2/NDF: 39.6/37

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 915.484+/-0.161 χ^2/NDF:808254.5/20

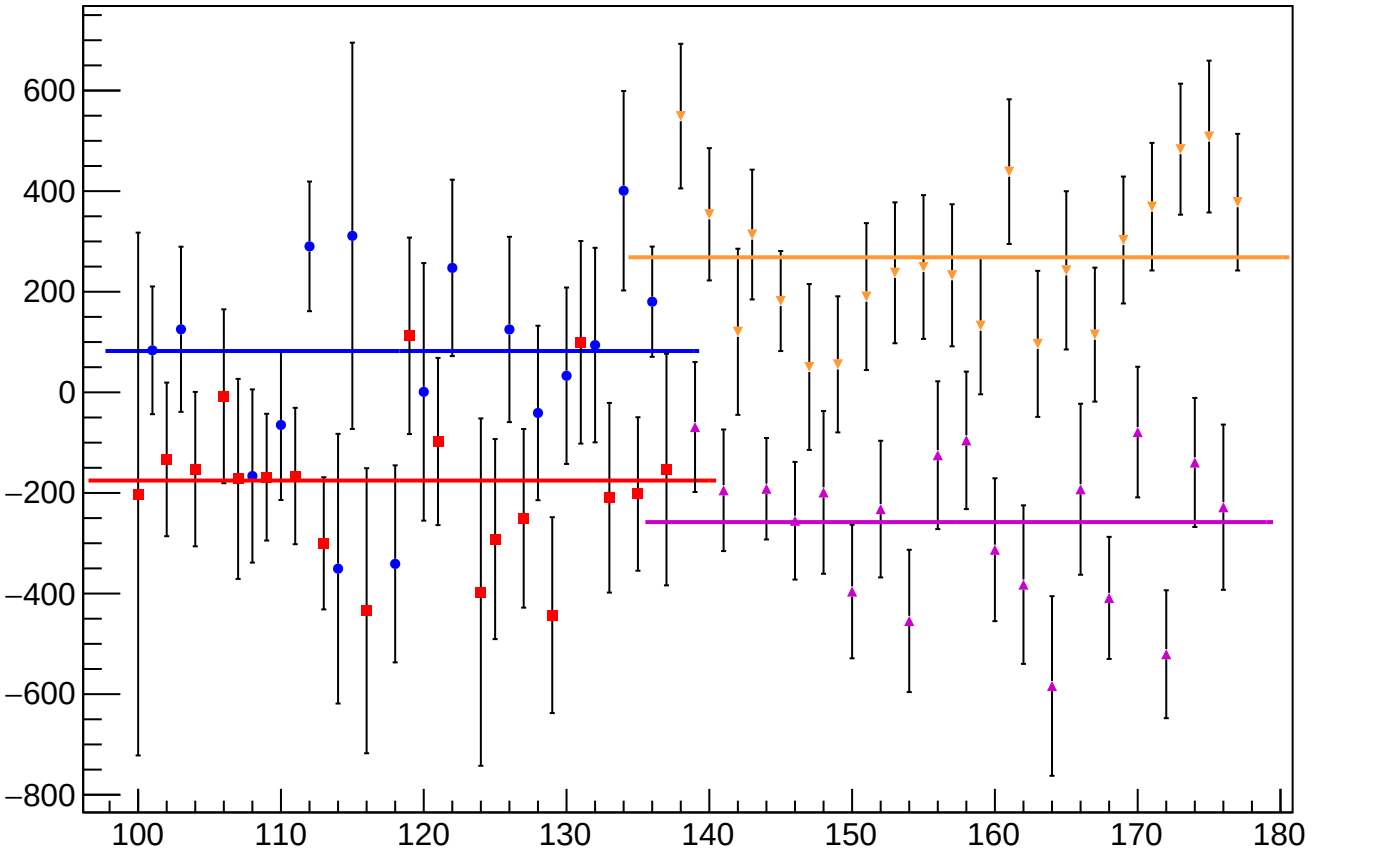
Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 907.063+/-0.165 χ^2/NDF:605197.0/18

+ sign 966.331+/-0.143 χ^2/NDF: 1970536.7/36

All: 961.757+/-0.102 χ^2/NDF: 3755083.8/74

- sign 957.109+/-0.144 χ^2/NDF: 1782492.3/37



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.478+/-29.870 χ^2/NDF:22.3/20

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

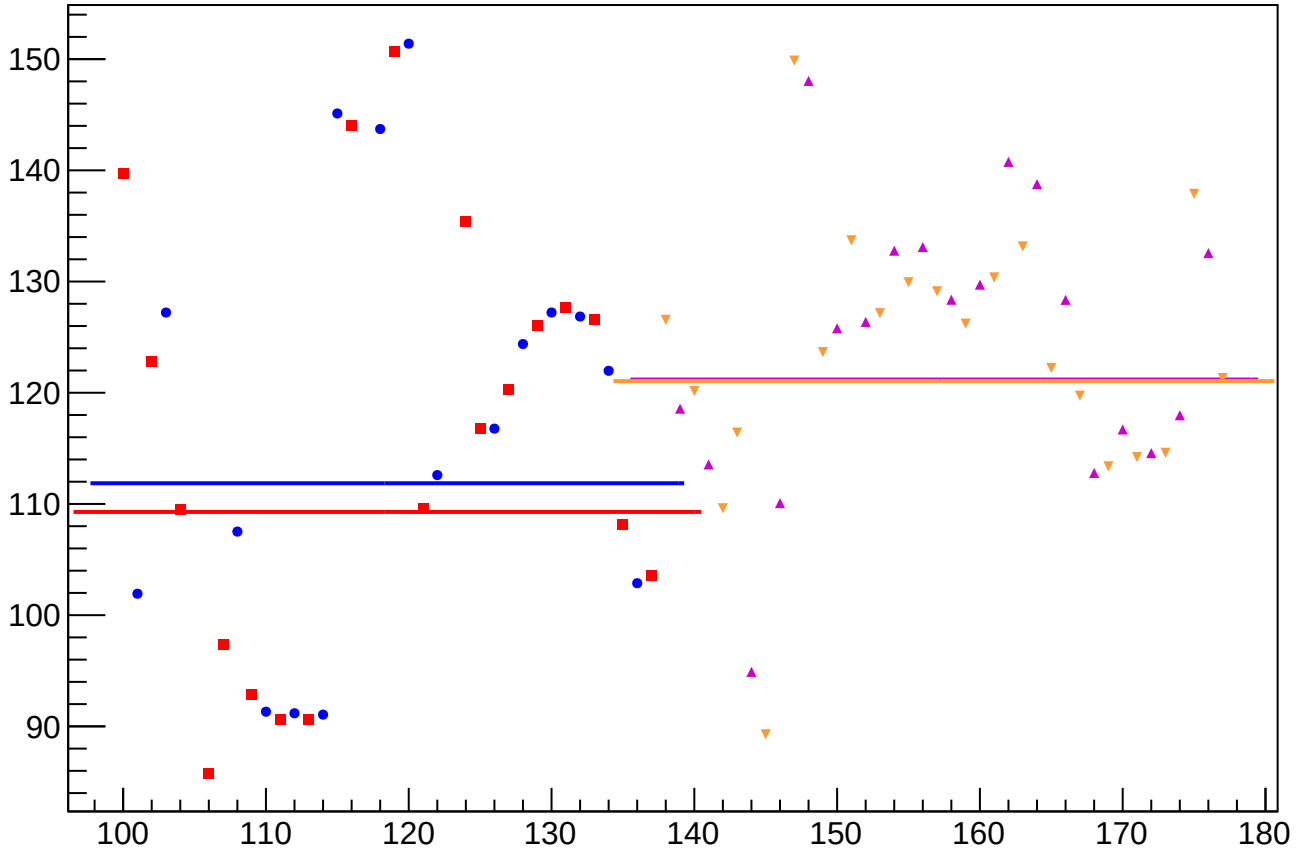
Left In: -257.950+/-30.988 χ^2/NDF:21.1/18

+ sign 206.165+/-24.368 χ^2/NDF: 53.7/36

All: -8.224+/-17.330 χ^2/NDF: 244.0/74

- sign -227.613+/-24.650 χ^2/NDF: 33.6/37

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.047+/-0.021 χ^2/NDF:382608.6/20

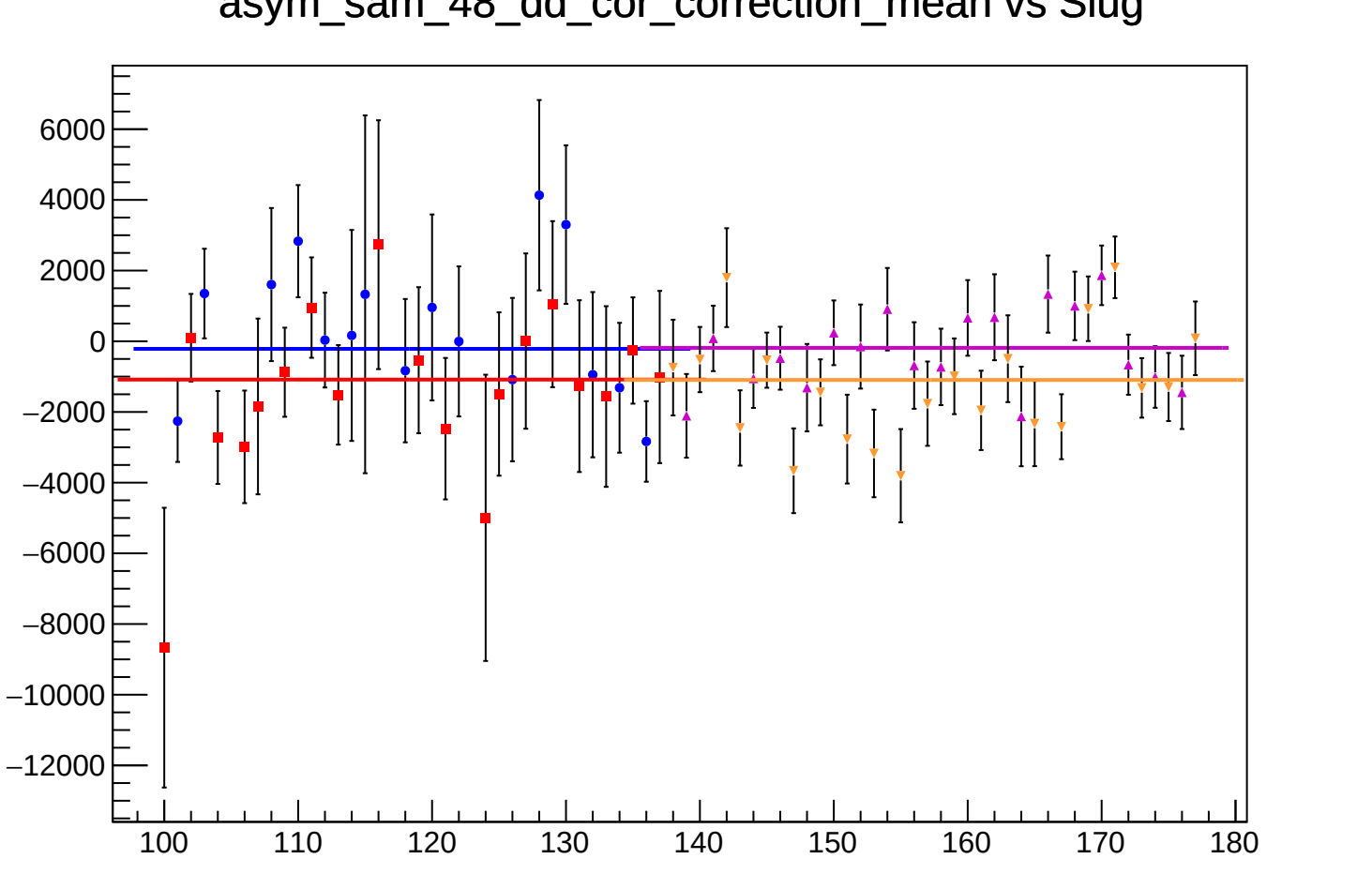
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

\+ sign 117.974+/-0.017 χ^2/NDF: 751881.6/36

All: 117.403+/-0.012 χ^2/NDF: 1577546.5/74

\- sign 116.818+/-0.017 χ^2/NDF: 823438.2/37



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1094.572+/-227.736 χ^2/NDF:44.3/20

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

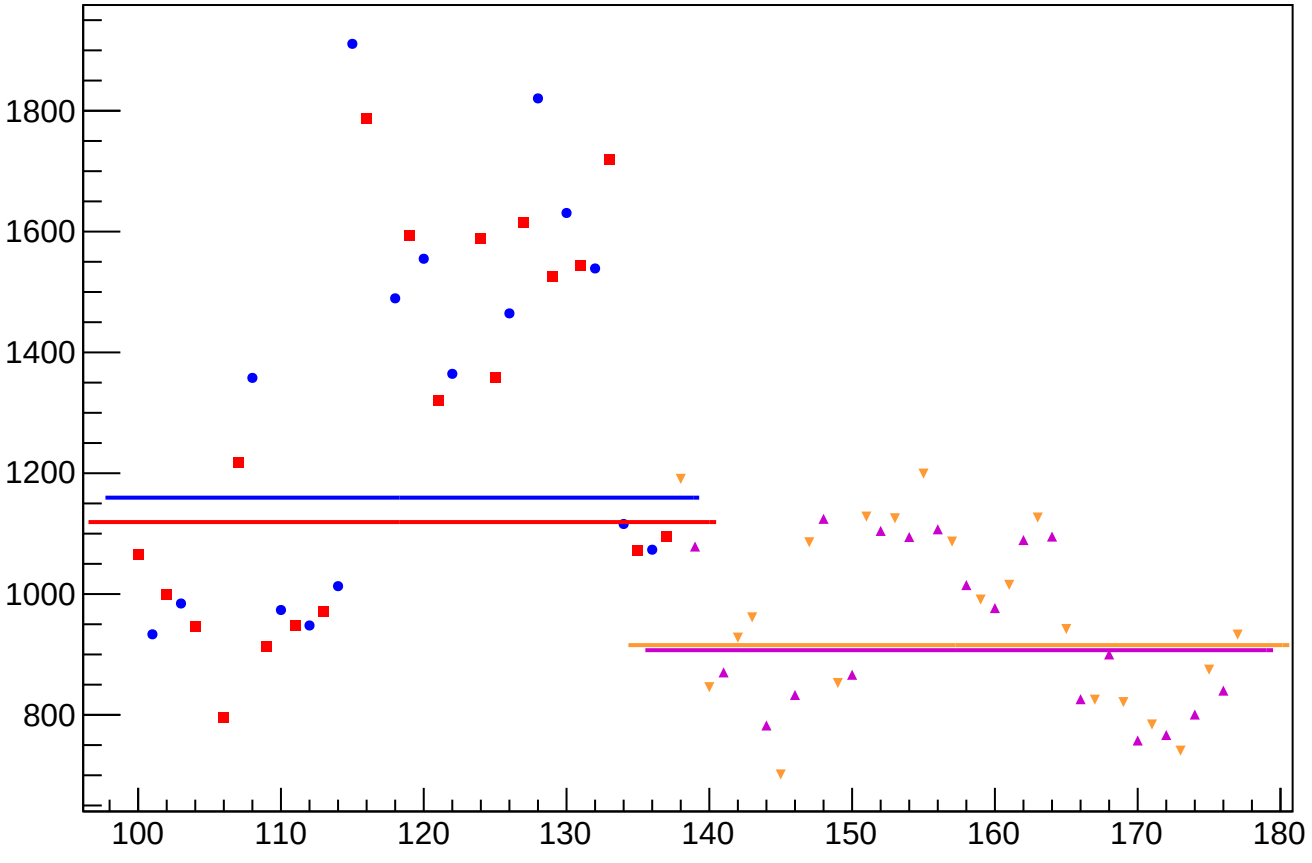
Left In: -186.547+/-233.235 χ^2/NDF:21.3/18

+ sign -911.194+/-202.632 χ^2/NDF: 67.9/36

All: -655.343+/-143.880 χ^2/NDF: 109.8/74

- sign -395.182+/-204.332 χ^2/NDF: 38.7/37

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 915.484+/-0.161 χ^2/NDF:808254.3/20

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

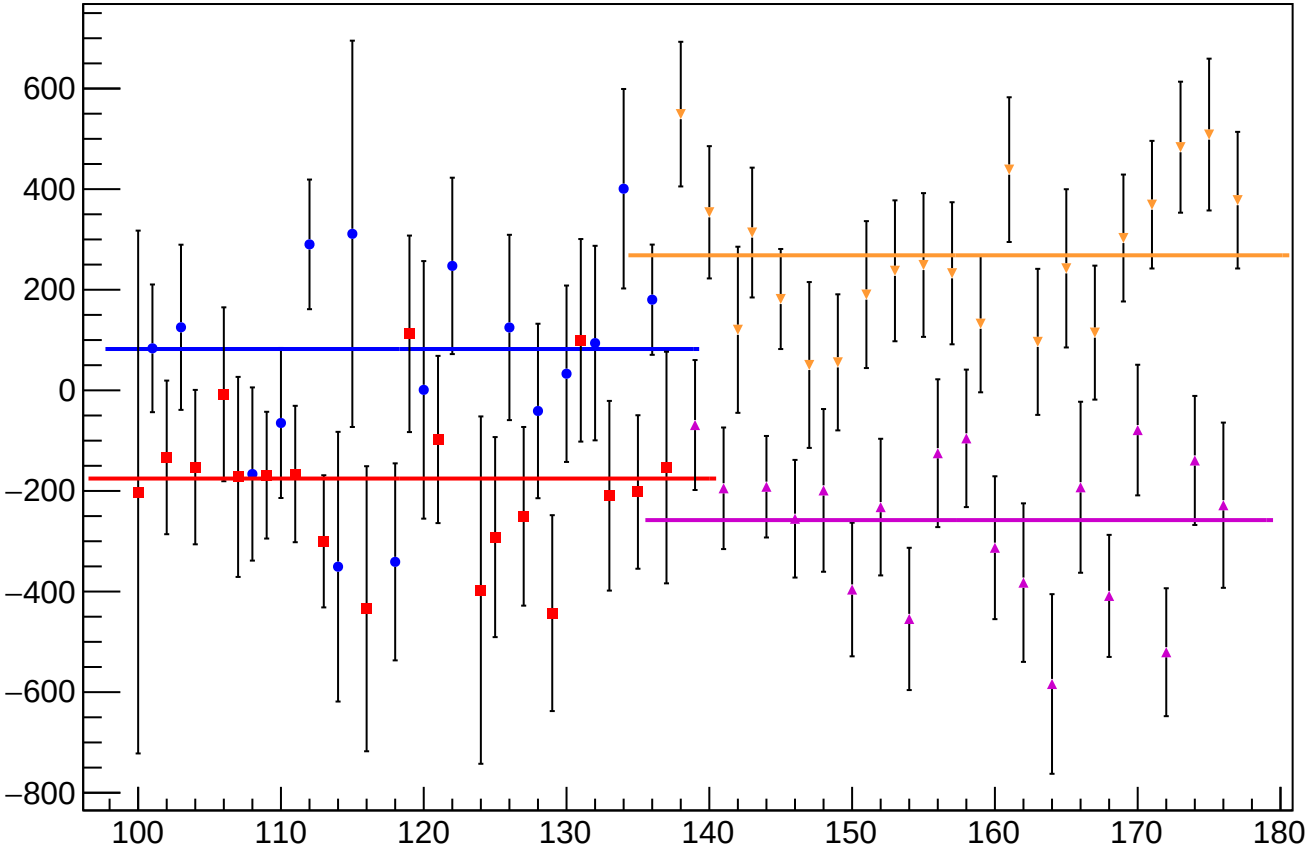
Left In: 907.063+/-0.165 χ^2/NDF:605197.2/18

+ sign 966.332+/-0.143 χ^2/NDF: 1970537.8/36

All: 961.394+/-0.102 χ^2/NDF: 3765785.0/74

- sign 956.372+/-0.144 χ^2/NDF: 1792851.4/37

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.478+/-29.870 χ^2/NDF:22.3/20

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

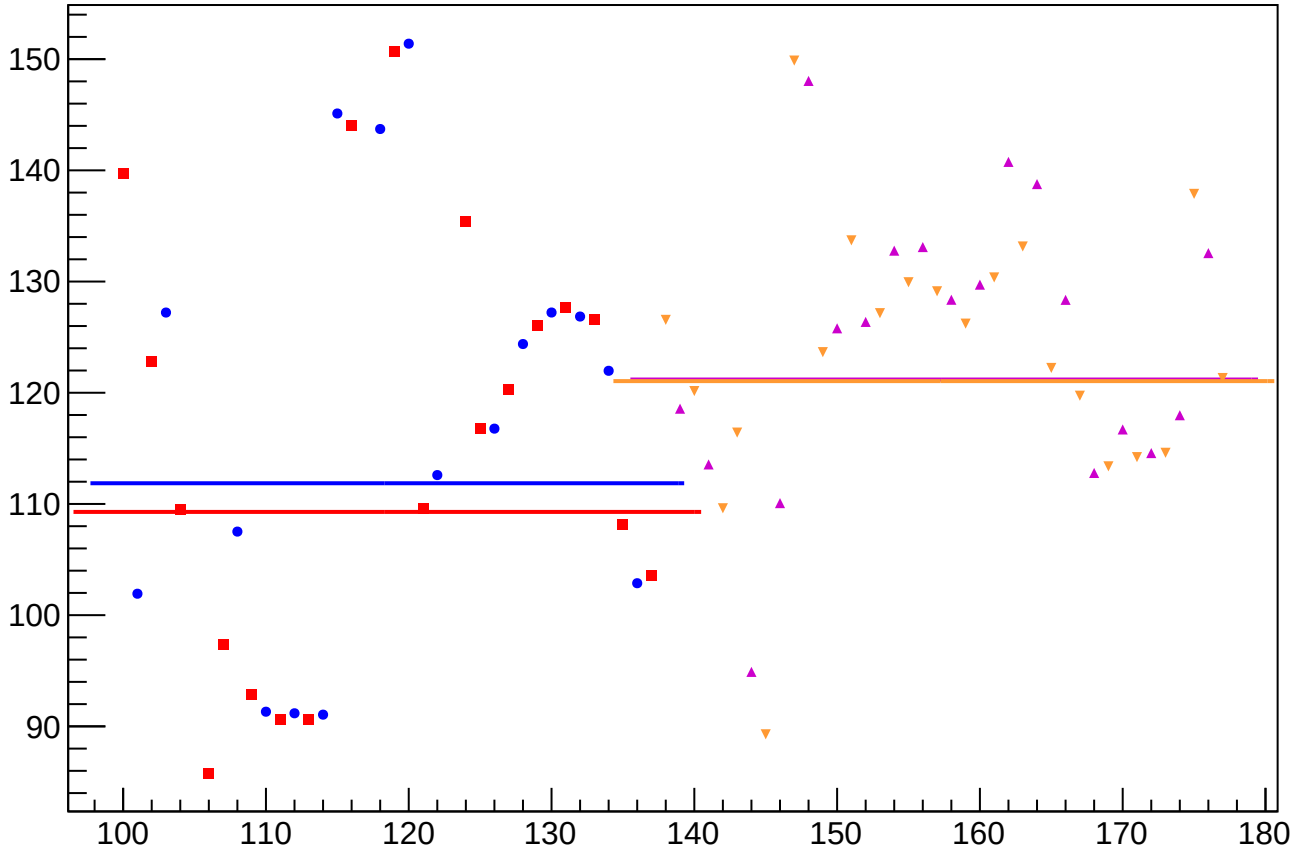
Left In: -257.950+/-30.988 χ^2/NDF:21.1/18

+ sign 206.165+/-24.368 χ^2/NDF: 53.7/36

All: -8.224+/-17.330 χ^2/NDF: 244.0/74

- sign -227.613+/-24.650 χ^2/NDF: 33.6/37

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.047+/-0.021 χ^2/NDF:382608.6/20

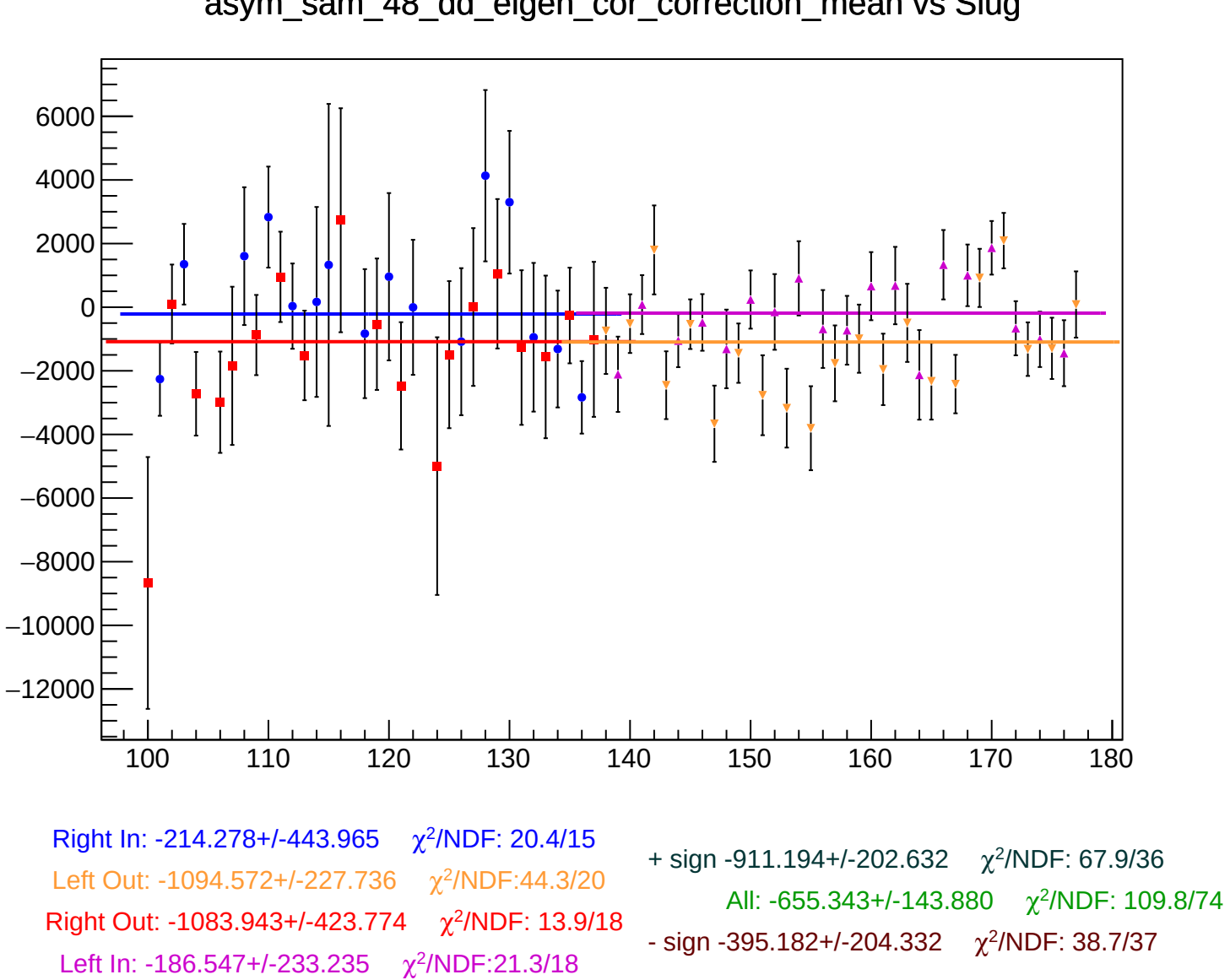
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

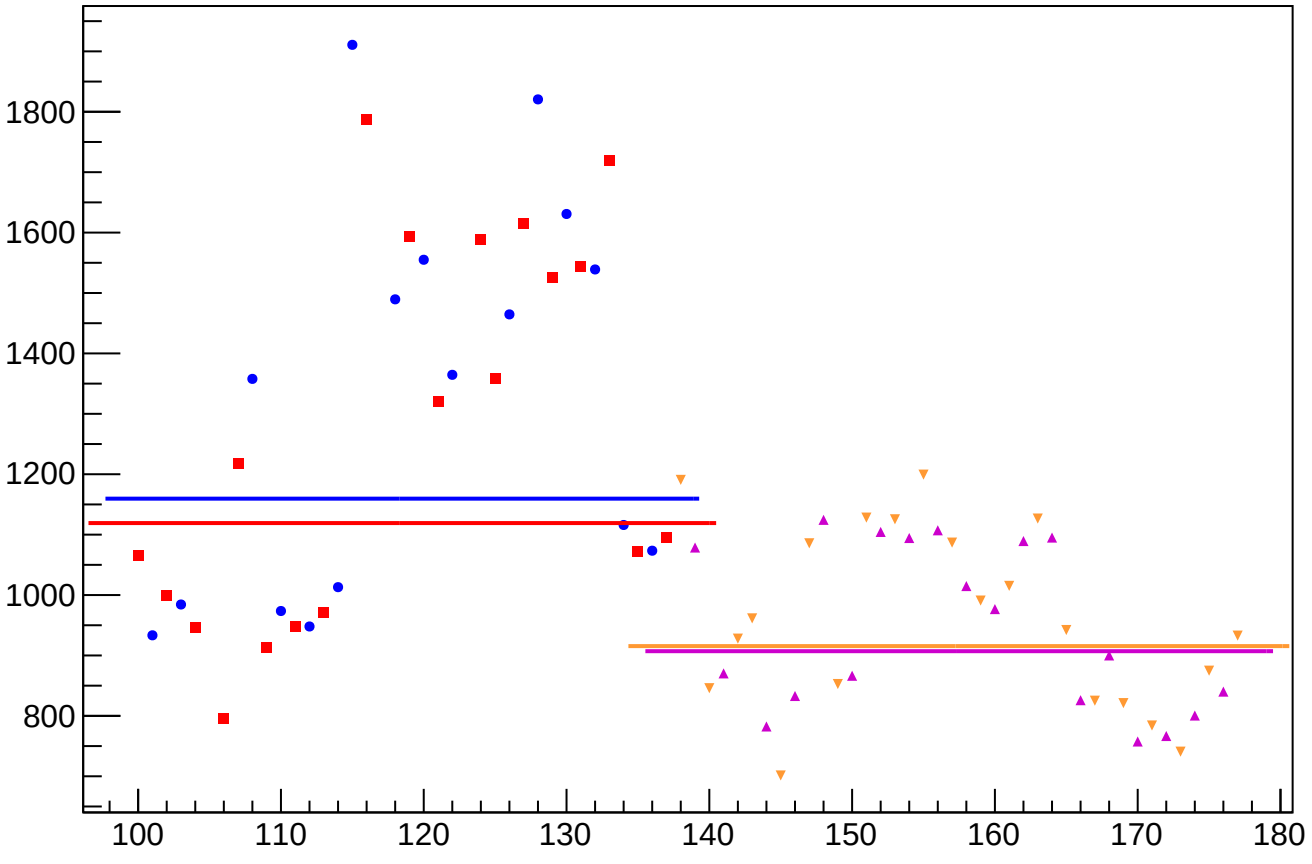
Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

+ sign 117.974+/-0.017 χ^2/NDF: 751881.6/36

All: 117.403+/-0.012 χ^2/NDF: 1577546.5/74

- sign 116.818+/-0.017 χ^2/NDF: 823438.2/37


asym_sam_48_dd_eigen_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: -1094.572+/-227.736 χ²/NDF:44.3/20
Right Out: -1083.943+/-423.774 χ²/NDF: 13.9/18
Left In: -186.547+/-233.235 χ²/NDF:21.3/18
+ sign -911.194+/-202.632 χ²/NDF: 67.9/36
All: -655.343+/-143.880 χ²/NDF: 109.8/74
- sign -395.182+/-204.332 χ²/NDF: 38.7/37



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 915.484+/-0.161 χ^2/NDF:808254.3/20

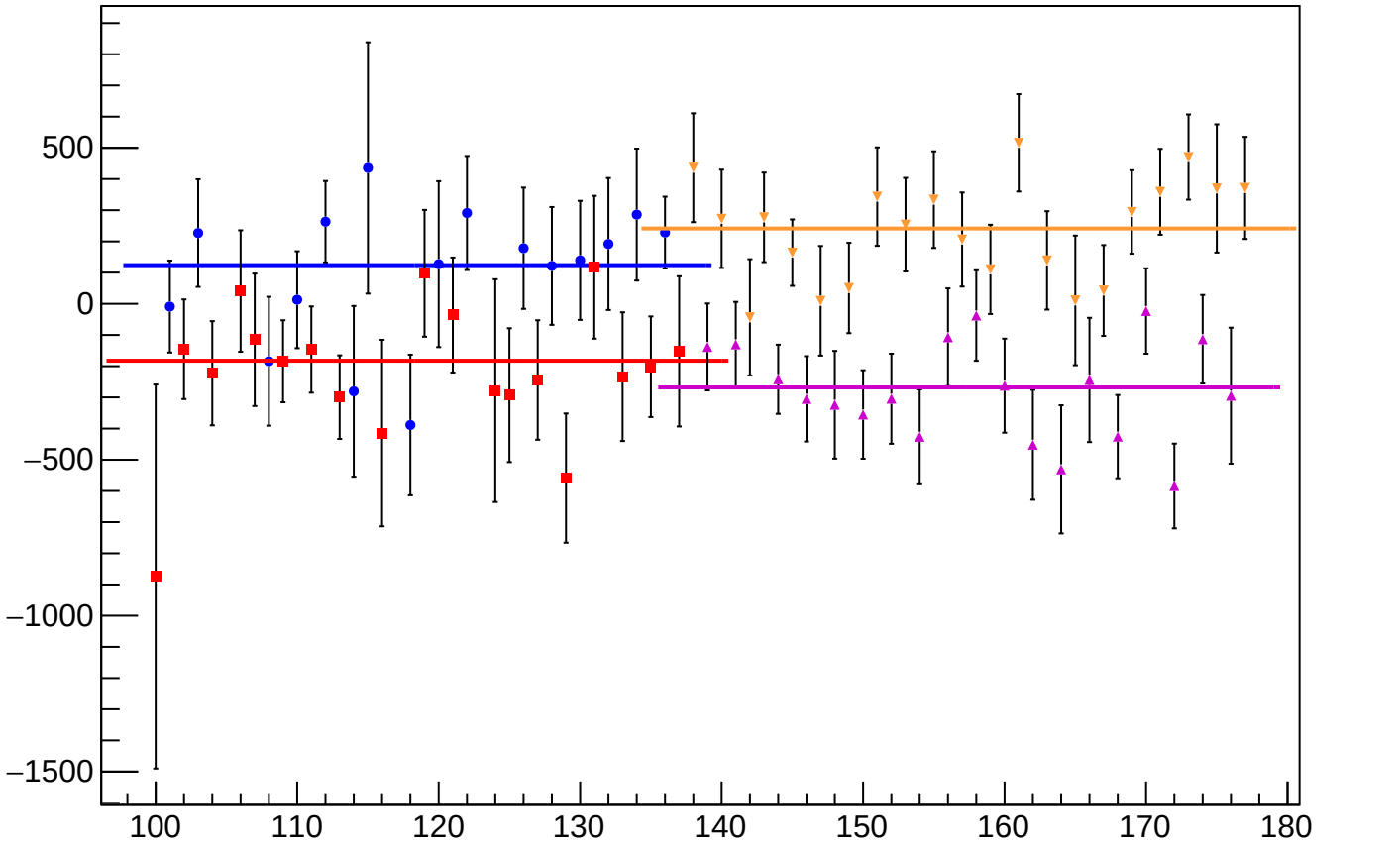
Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 907.063+/-0.165 χ^2/NDF:605197.2/18

\+ sign 966.332+/-0.143 χ^2/NDF: 1970537.8/36

All: 961.394+/-0.102 χ^2/NDF: 3765785.0/74

\- sign 956.372+/-0.144 χ^2/NDF: 1792851.4/37



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.458+/-33.104 χ^2/NDF:20.7/20

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

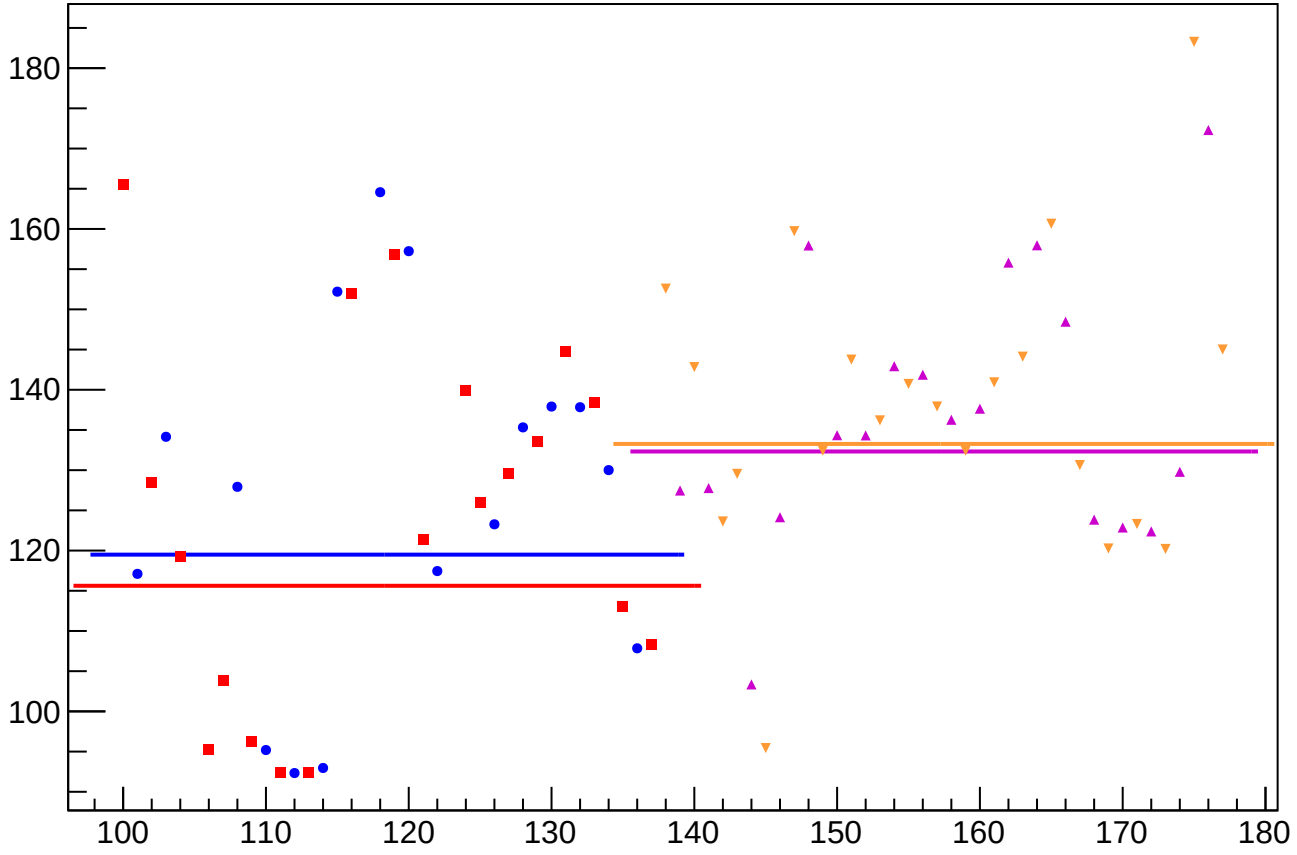
Left In: -268.071+/-34.055 χ^2/NDF:21.2/18

\+ sign 200.459+/-26.715 χ^2/NDF: 40.5/36

All: -17.126+/-18.903 χ^2/NDF: 209.2/74

\- sign -235.285+/-26.750 χ^2/NDF: 35.9/37

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 133.262+/-0.023 χ^2/NDF:578624.4/20

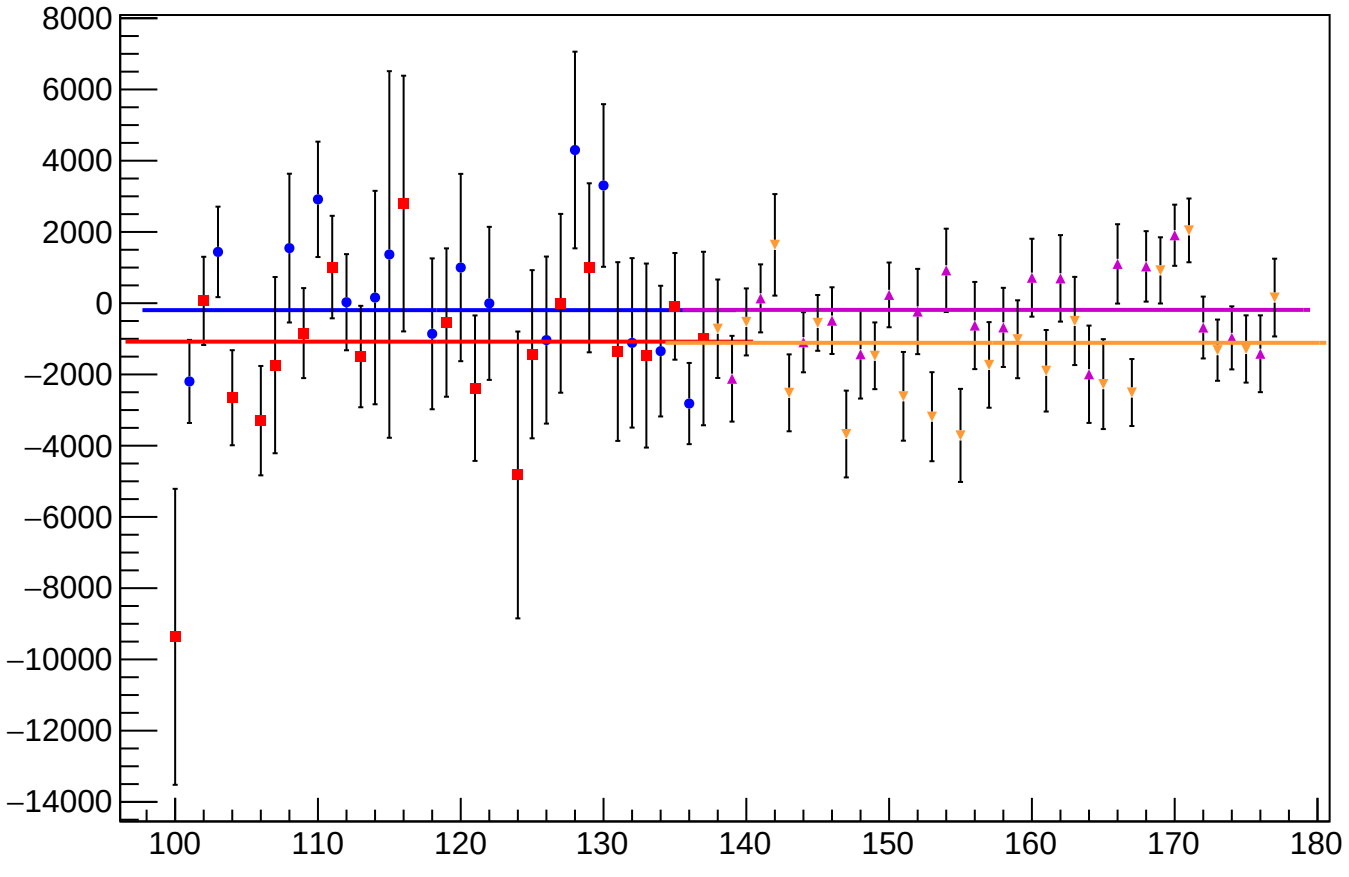
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 132.324+/-0.024 χ^2/NDF:390438.1/18

+ sign 128.461+/-0.019 χ^2/NDF: 1079518.1/36

All: 127.196+/-0.013 χ^2/NDF: 2090149.5/74

- sign 125.927+/-0.019 χ^2/NDF: 1001645.6/37



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1111.918+/-230.978 χ^2/NDF:41.8/20

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

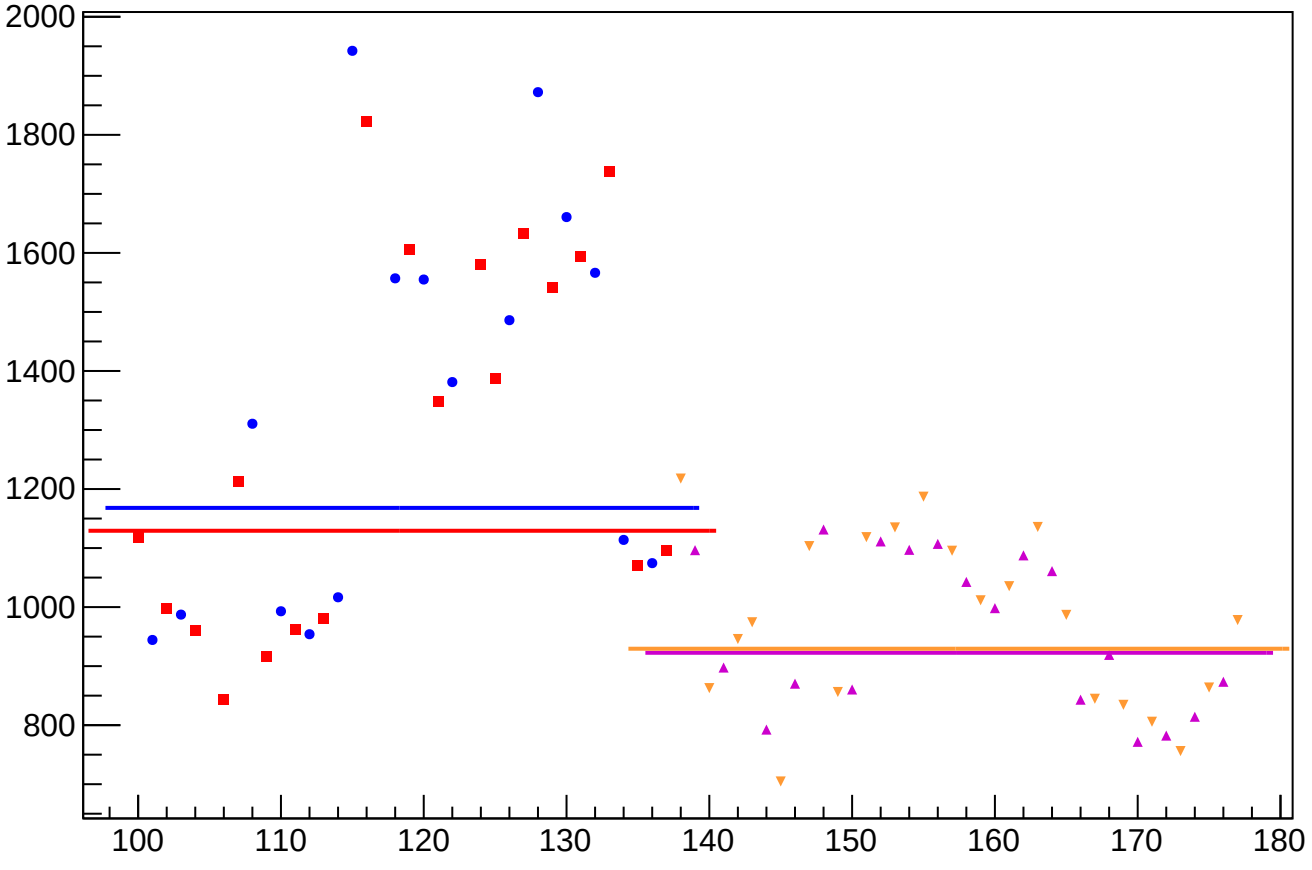
Left In: -188.067+/-237.061 χ^2/NDF:20.6/18

+ sign -918.933+/-205.234 χ^2/NDF: 65.5/36

All: -661.302+/-145.792 χ^2/NDF: 107.2/74

- sign -398.859+/-207.142 χ^2/NDF: 38.5/37

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 929.490+/-0.163 χ^2/NDF:793024.1/20

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

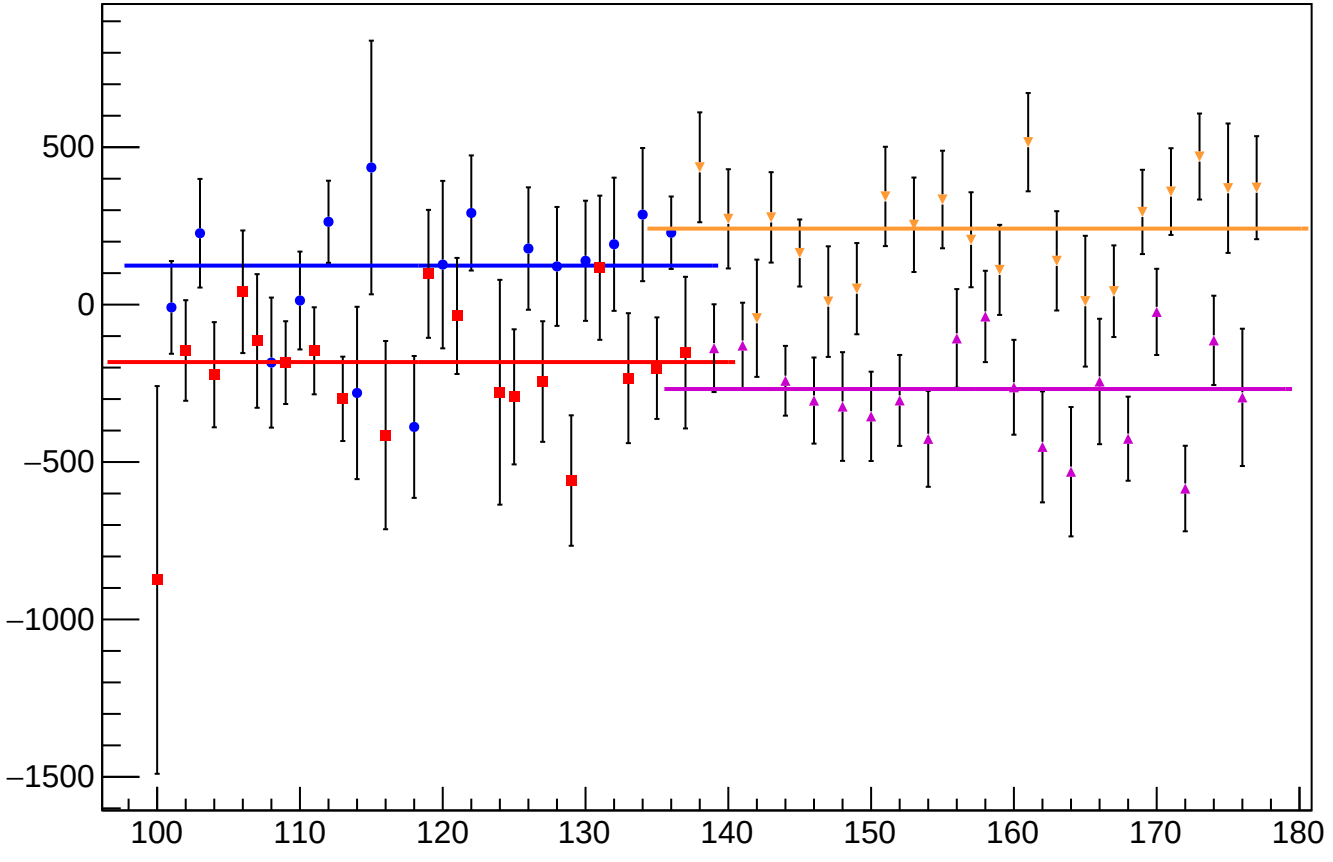
Left In: 922.617+/-0.168 χ^2/NDF:550792.3/18

+ sign 979.708+/-0.145 χ^2/NDF: 1951510.4/36

All: 975.642+/-0.103 χ^2/NDF: 3670697.5/74

- sign 971.500+/-0.146 χ^2/NDF: 1717602.5/37

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.461+/-33.104 χ^2/NDF:20.7/20

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

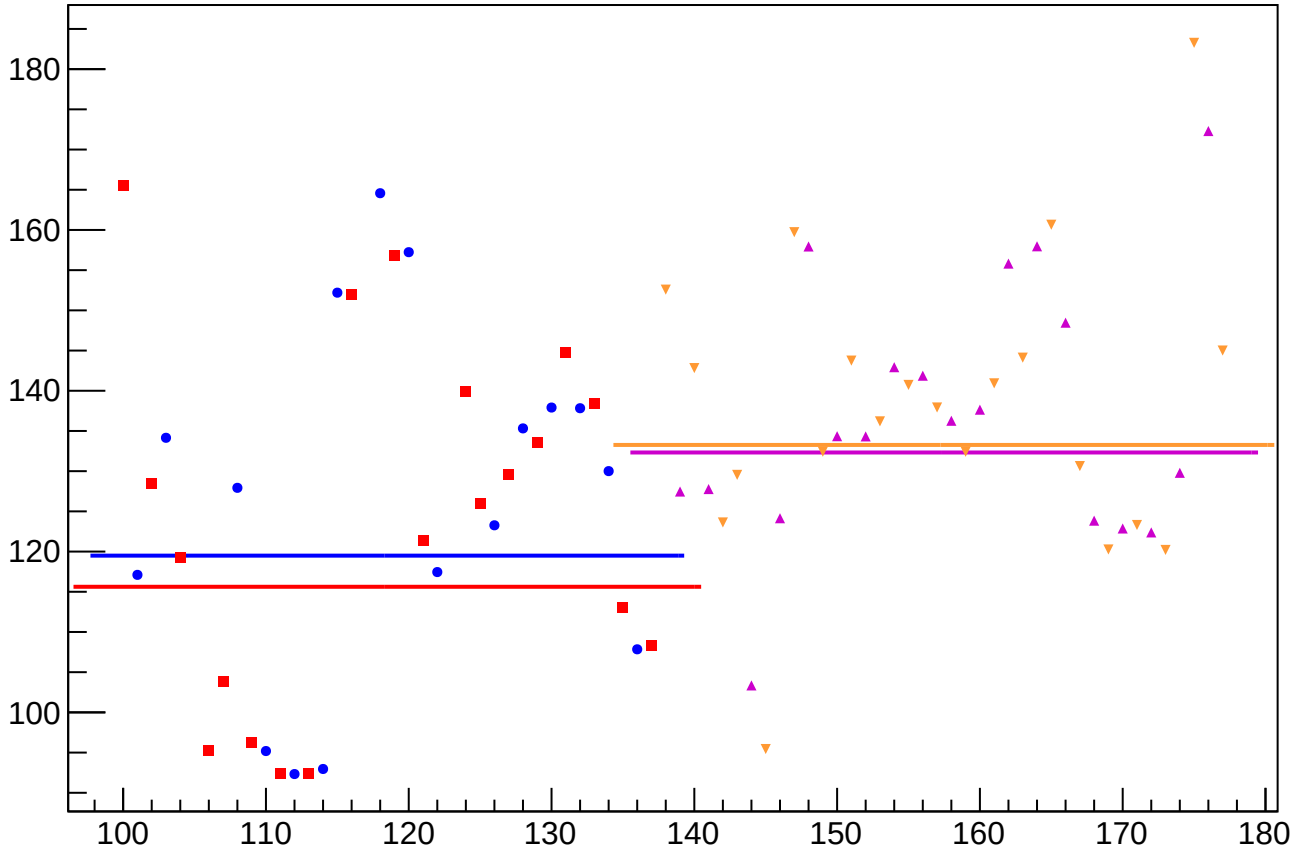
Left In: -268.072+/-34.055 χ^2/NDF:21.2/18

+ sign 200.461+/-26.715 χ^2/NDF: 40.5/36

All: -17.125+/-18.903 χ^2/NDF: 209.3/74

- sign -235.286+/-26.750 χ^2/NDF: 35.9/37

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 133.262+/-0.023 χ^2/NDF:578623.8/20

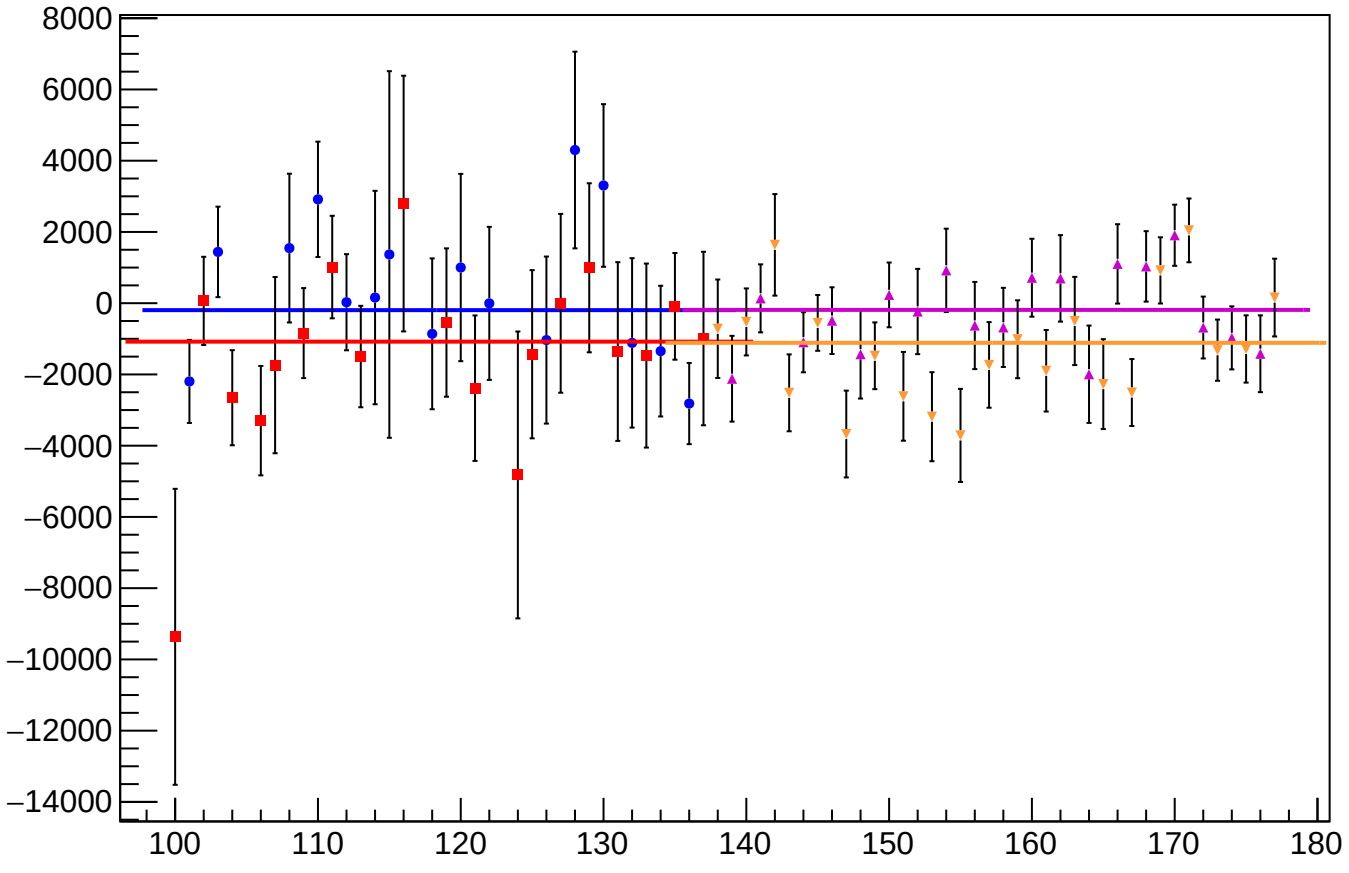
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.324+/-0.024 χ^2/NDF:390435.1/18

+ sign 128.461+/-0.019 χ^2/NDF: 1079520.5/36

All: 127.196+/-0.013 χ^2/NDF: 2090155.0/74

- sign 125.927+/-0.019 χ^2/NDF: 1001648.5/37



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1111.916+/-230.978 χ^2/NDF:41.8/20

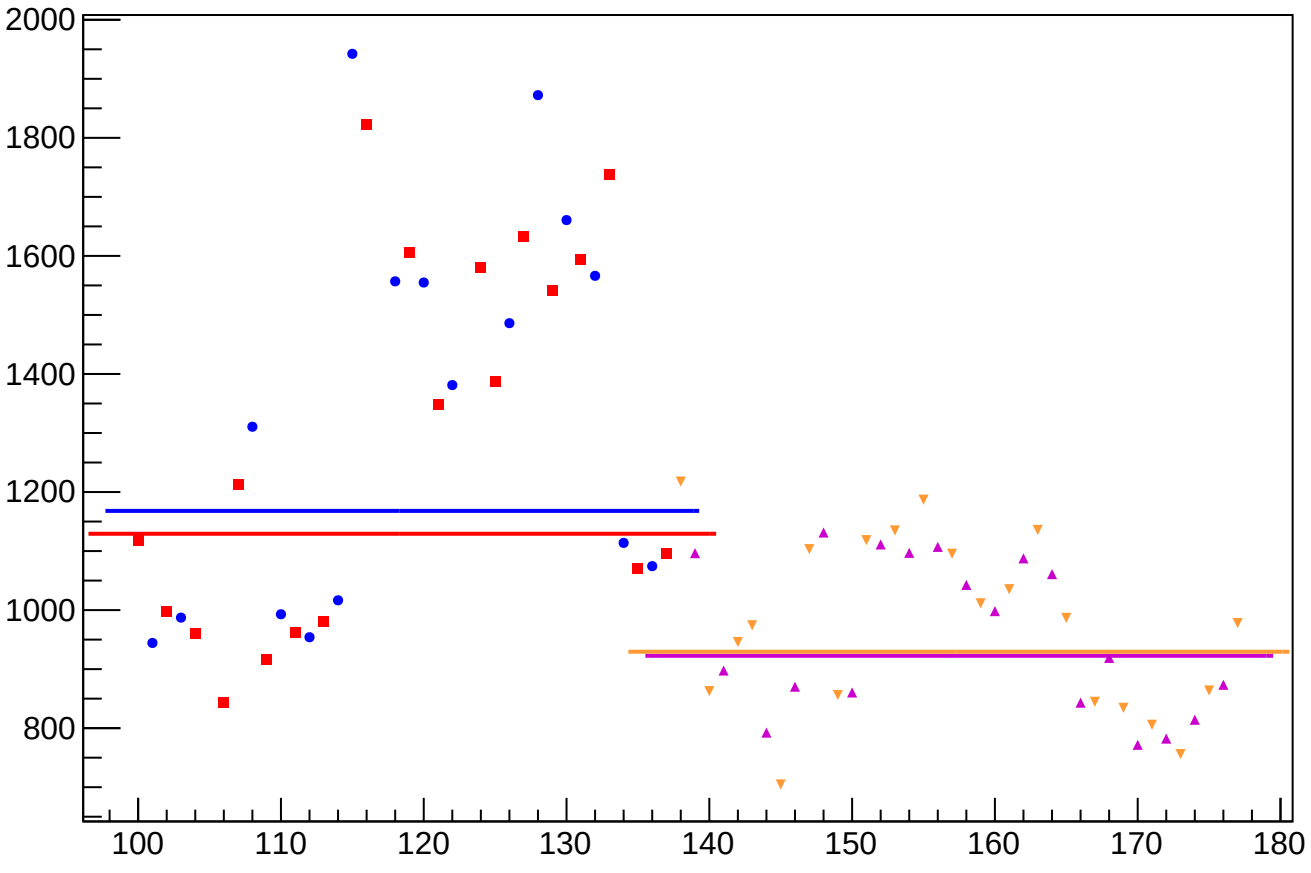
Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: -188.066+/-237.061 χ^2/NDF:20.6/18

+ sign -918.931+/-205.234 χ^2/NDF: 65.5/36

All: -661.300+/-145.792 χ^2/NDF: 107.2/74

- sign -398.858+/-207.142 χ^2/NDF: 38.5/37



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 929.489+/-0.163 χ^2/NDF:793028.0/20

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

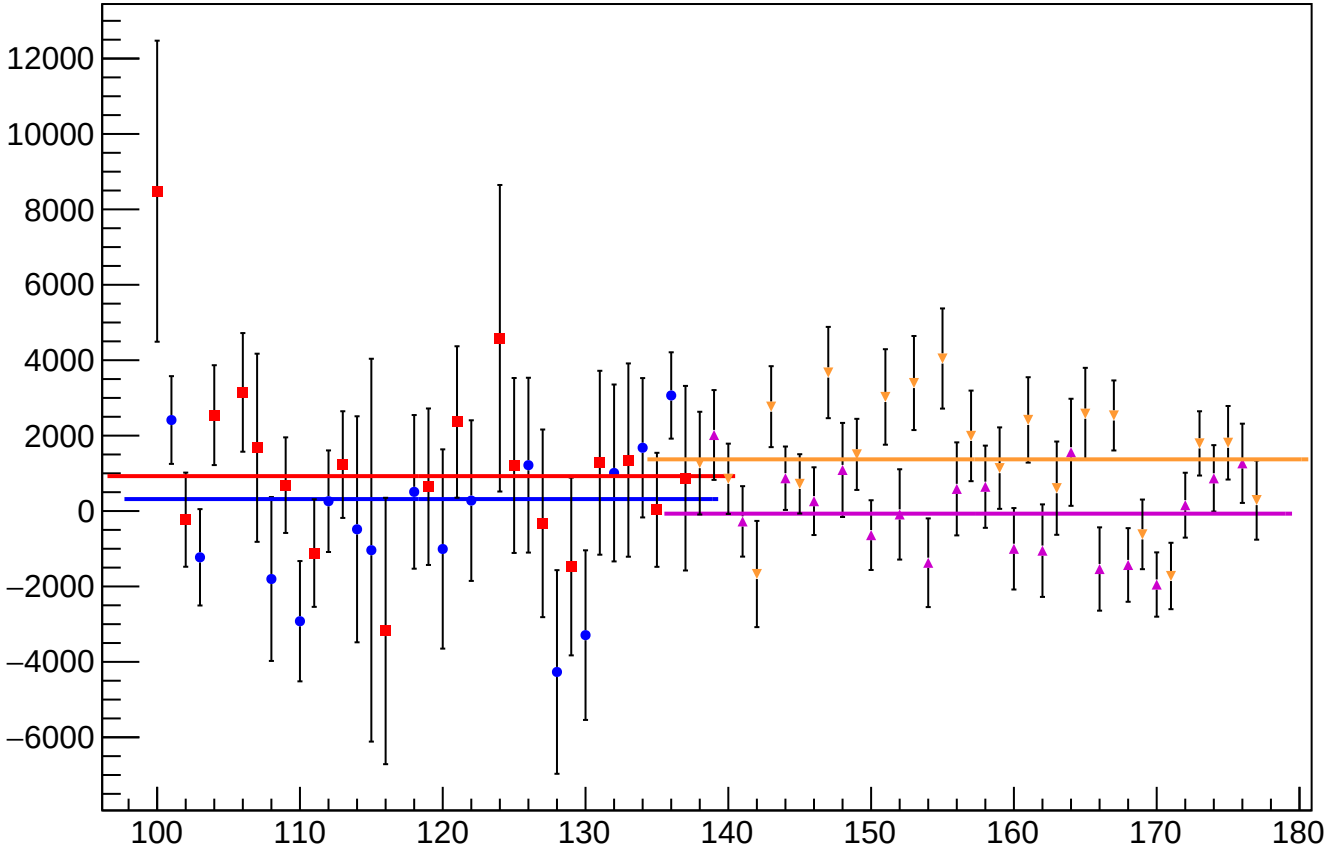
Left In: 922.616+/-0.168 χ^2/NDF:550793.5/18

+ sign 979.707+/-0.145 χ^2/NDF: 1951519.7/36

All: 975.641+/-0.103 χ^2/NDF: 3670711.6/74

- sign 971.499+/-0.146 χ^2/NDF: 1717607.3/37

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1371.175+/-229.820 χ^2/NDF:42.0/20

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

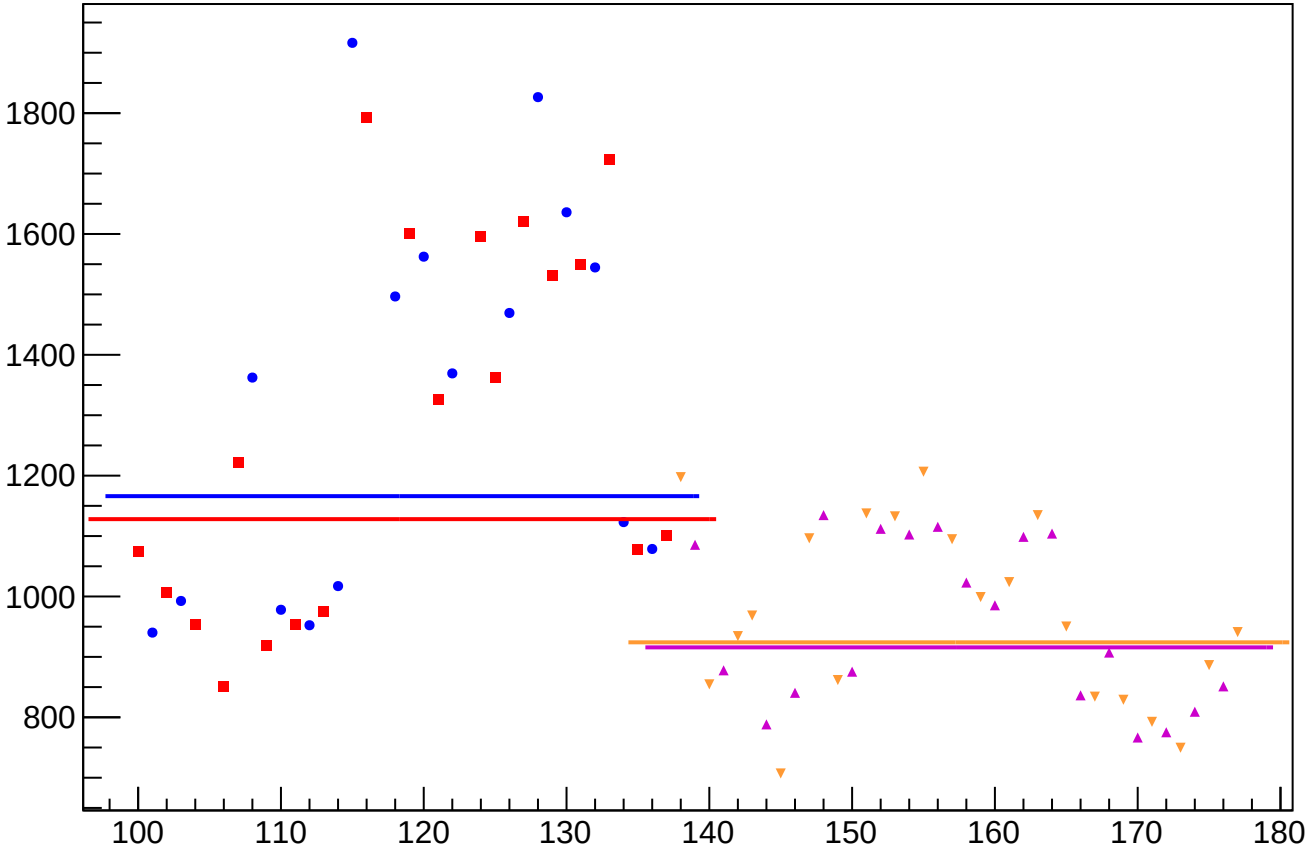
Left In: -69.456+/-235.414 χ^2/NDF:21.8/18

+ sign 1150.338+/-204.325 χ^2/NDF: 68.6/36

All: 661.108+/-145.061 χ^2/NDF: 120.6/74

- sign 163.930+/-205.978 χ^2/NDF: 40.5/37

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 924.107+/-0.163 χ^2/NDF:796066.5/20

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

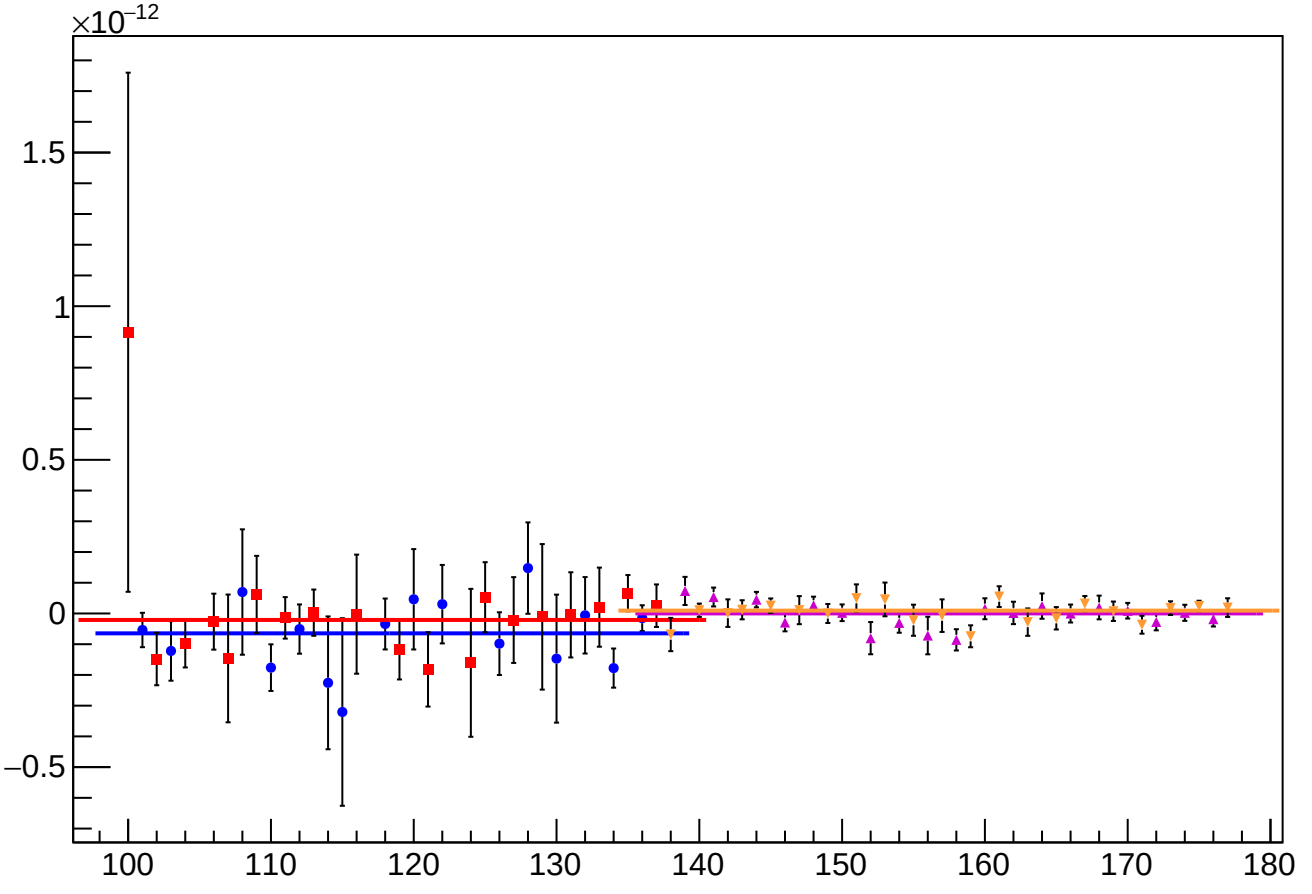
Left In: 915.743+/-0.166 χ^2/NDF:595068.1/18

+ sign 974.810+/-0.144 χ^2/NDF: 1937660.9/36

All: 970.196+/-0.103 χ^2/NDF: 3691751.0/74

- sign 965.507+/-0.146 χ^2/NDF: 1752033.7/37

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/20

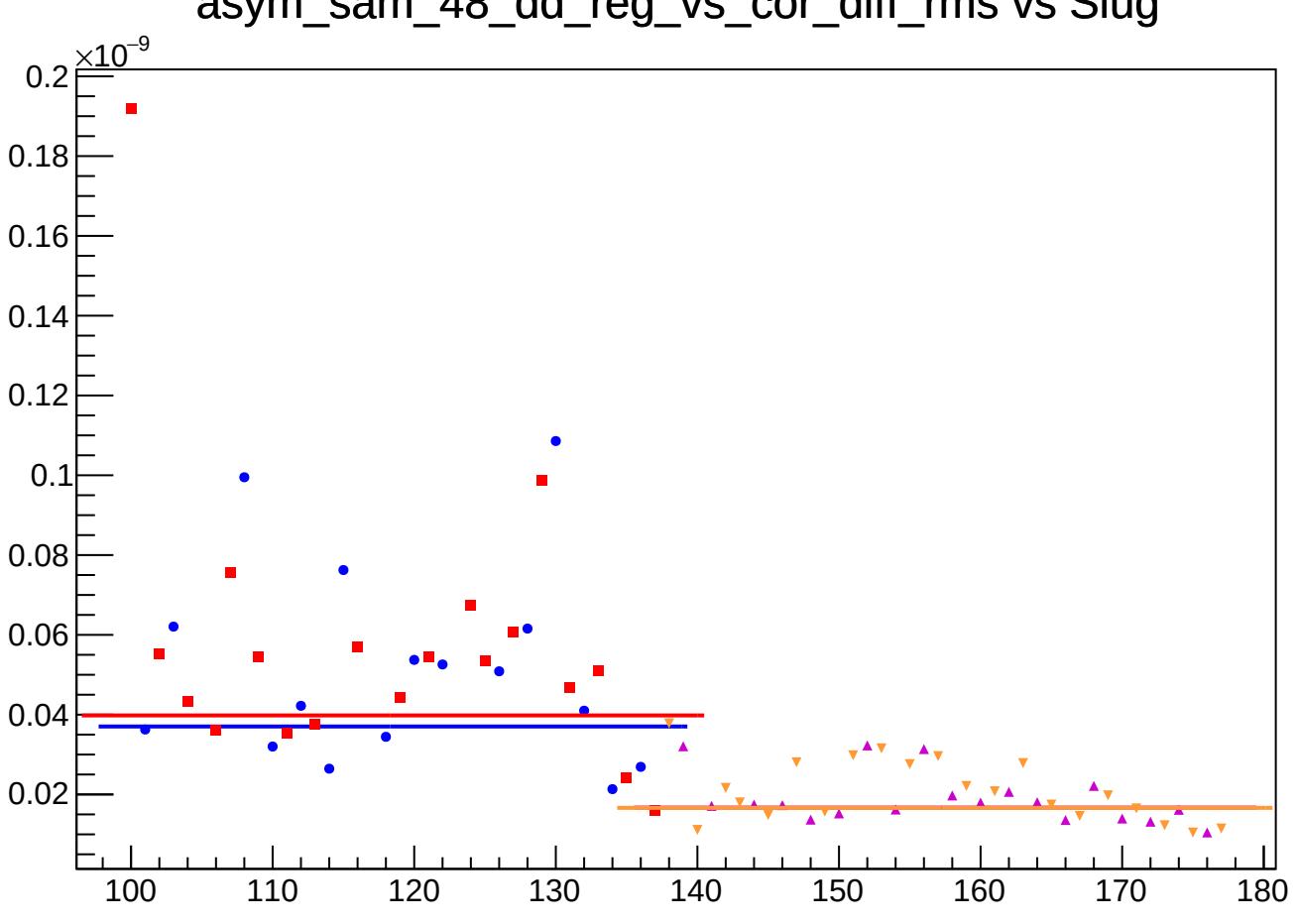
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:24.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 40.1/36

All: 0.000+/-0.000 χ^2/NDF: 76.6/74

- sign -0.000+/-0.000 χ^2/NDF: 36.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761504.7/20

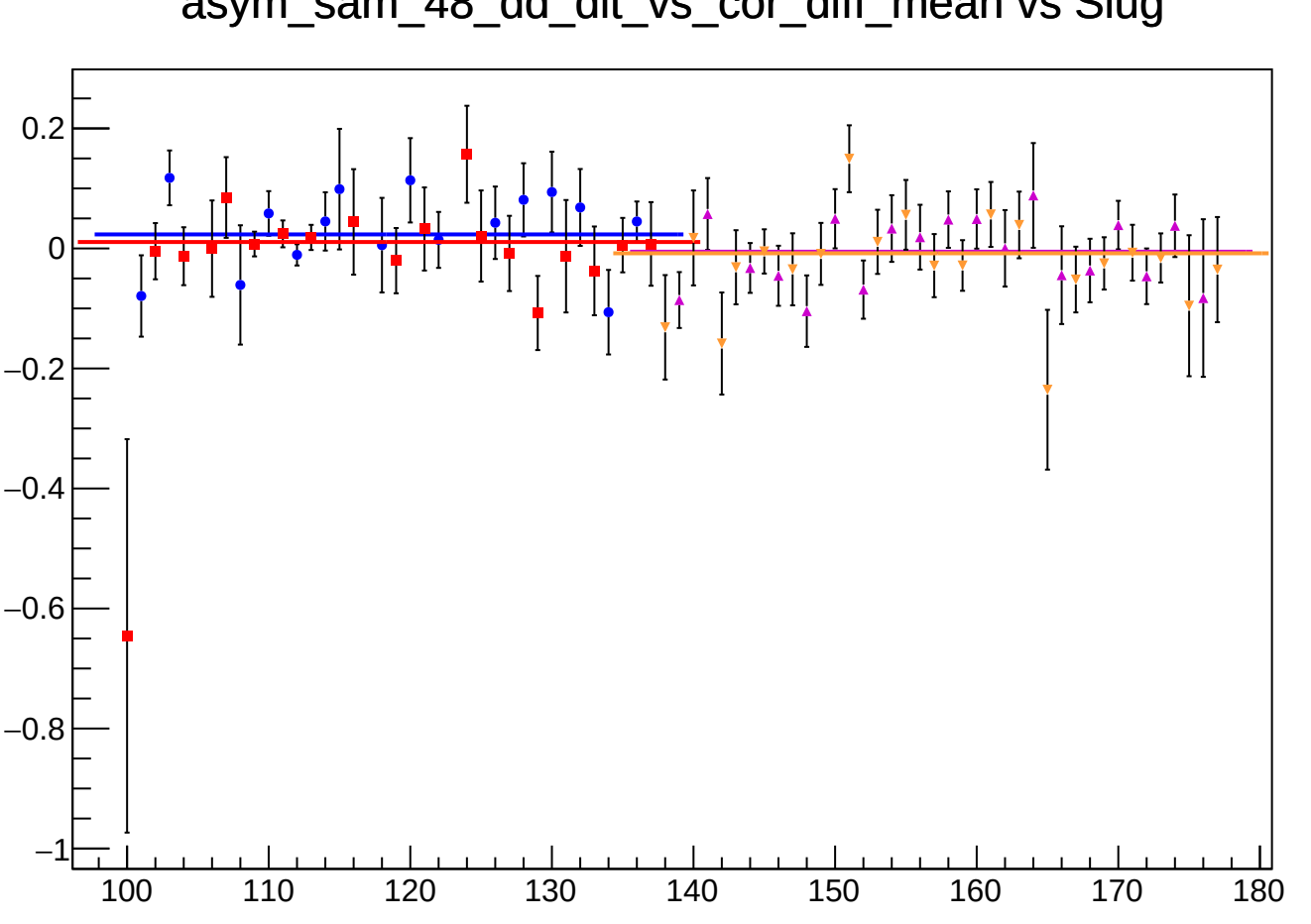
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:847754.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 4350037.8/36

All: 0.000+/-0.000 χ^2/NDF: 7927214.4/74

- sign 0.000+/-0.000 χ^2/NDF: 3574950.5/37



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

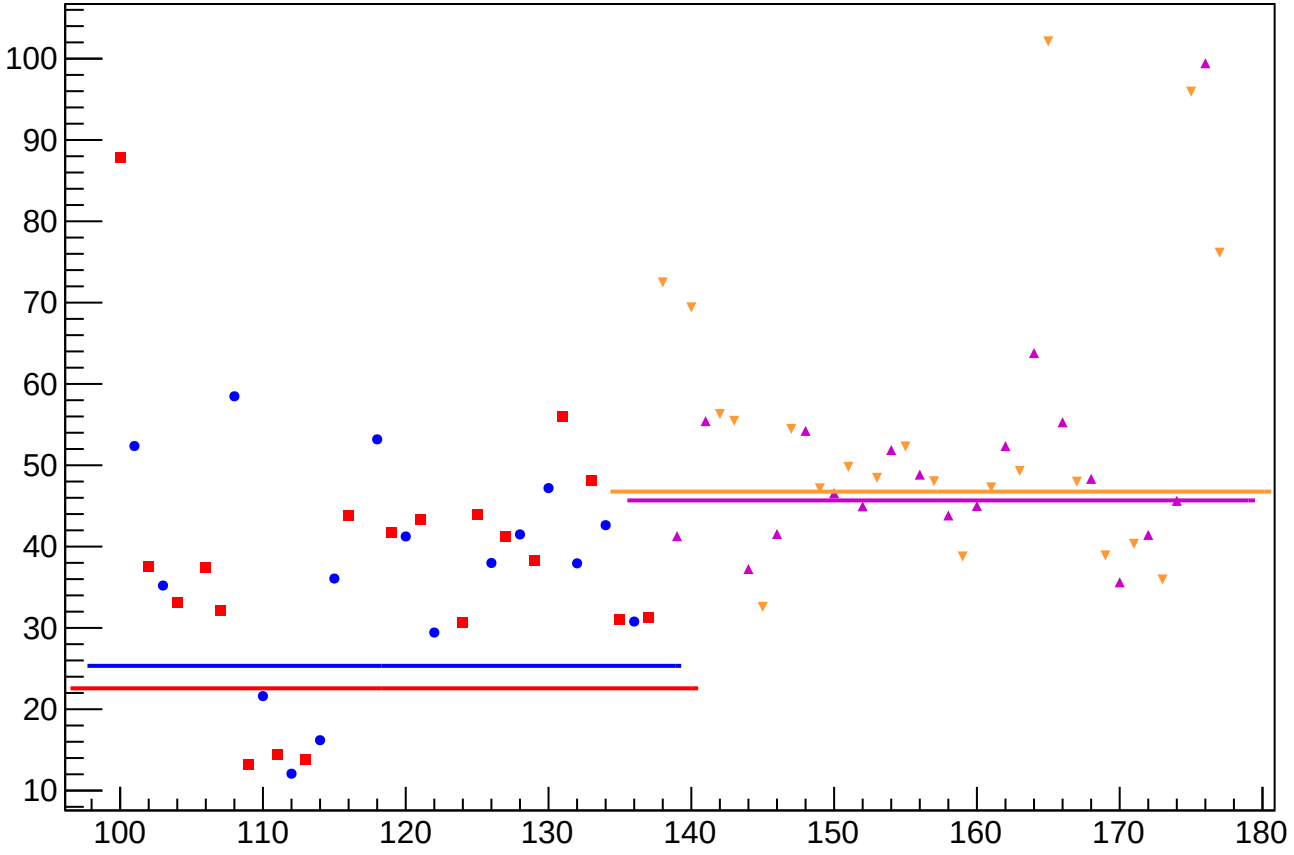
Left In: -0.005+/-0.012 χ^2/NDF:18.8/18

+ sign 0.009+/-0.008 χ^2/NDF: 46.3/36

All: 0.007+/-0.006 χ^2/NDF: 80.6/74

- sign 0.004+/-0.008 χ^2/NDF: 34.1/37

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: 46.759+/-0.009 χ^2/NDF:2001232.4/20

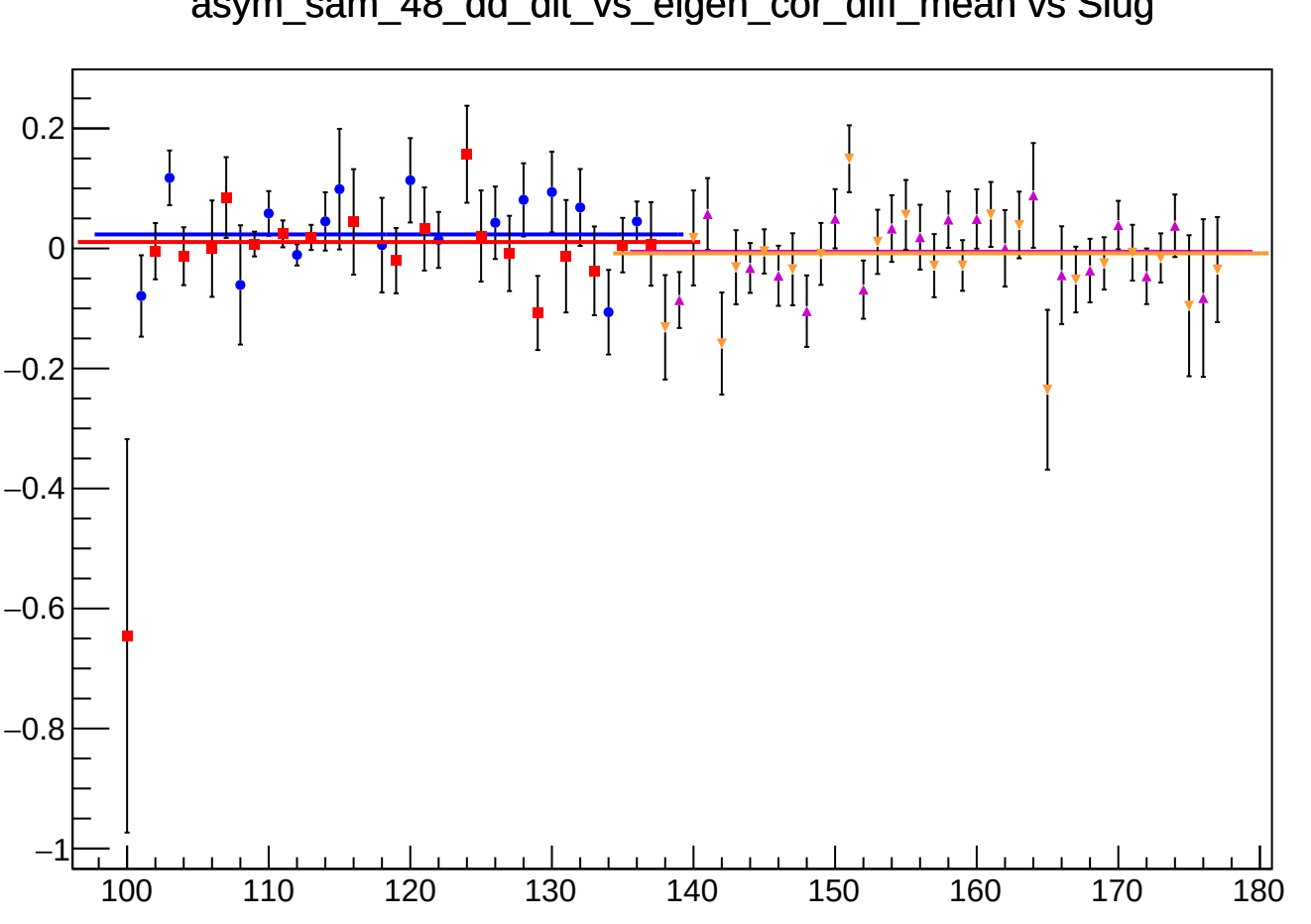
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.678+/-0.009 χ^2/NDF:861581.7/18

+ sign 35.086+/-0.006 χ^2/NDF: 8337003.7/36

All: 33.259+/-0.004 χ^2/NDF: 16899456.3/74

- sign 31.664+/-0.005 χ^2/NDF: 8375222.8/37



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

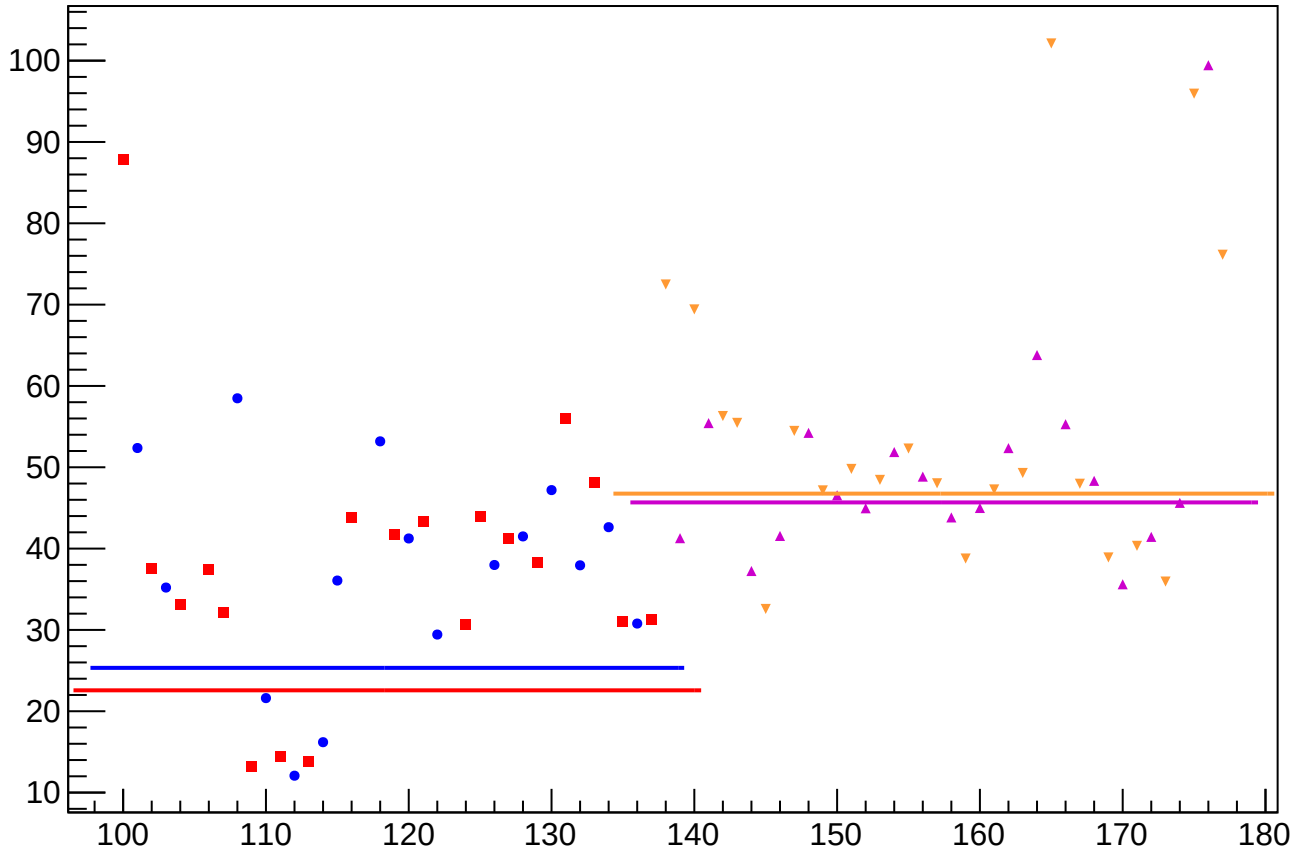
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.8/18

+ sign 0.009+/-0.008 χ^2/NDF: 46.3/36

All: 0.007+/-0.006 χ^2/NDF: 80.6/74

- sign 0.004+/-0.008 χ^2/NDF: 34.1/37



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.759+/-0.009 χ^2/NDF:2001232.4/20

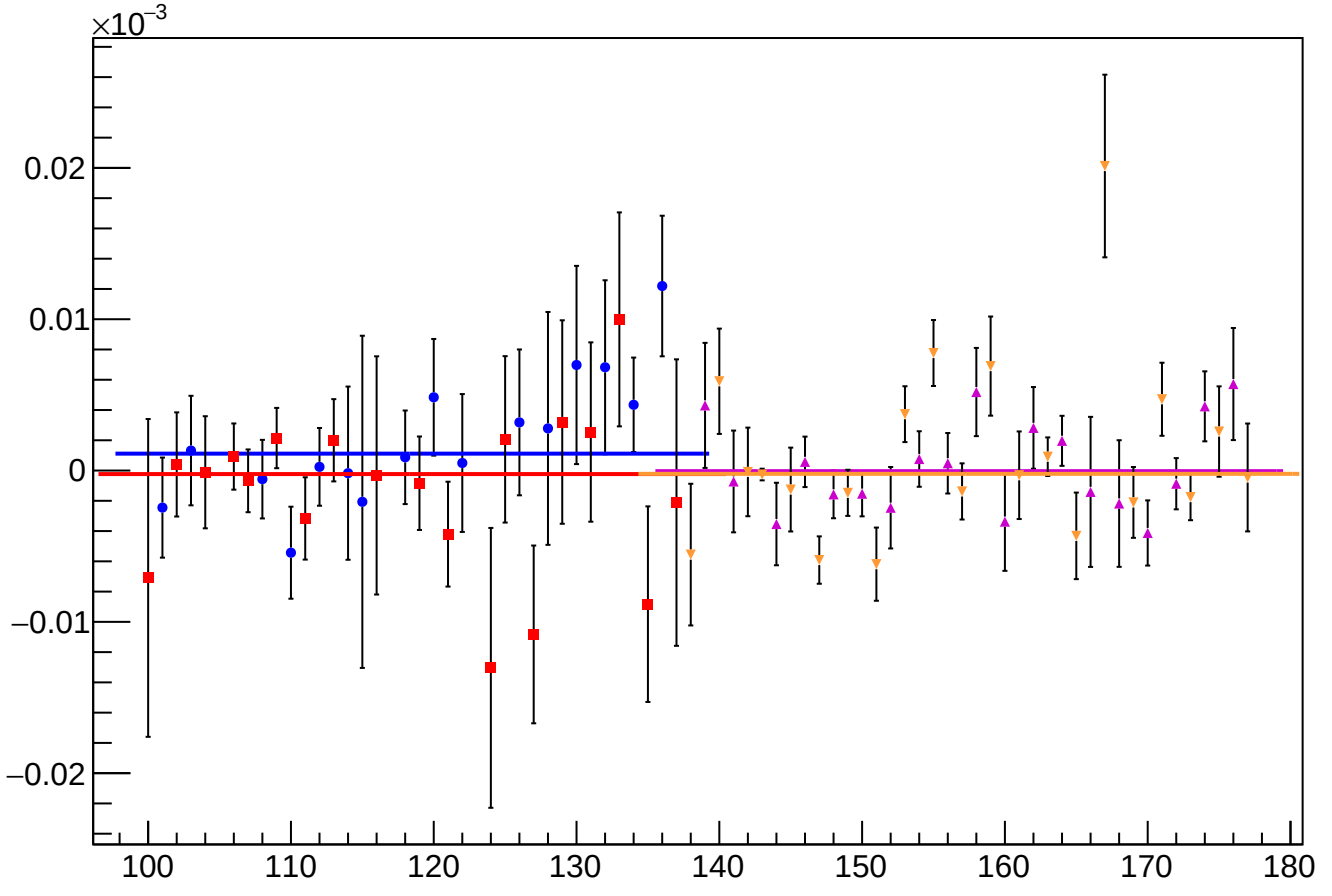
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.678+/-0.009 χ^2/NDF:861581.7/18

+ sign 35.086+/-0.006 χ^2/NDF: 8337003.7/36

All: 33.259+/-0.004 χ^2/NDF: 16899456.3/74

- sign 31.664+/-0.005 χ^2/NDF: 8375222.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:68.6/20

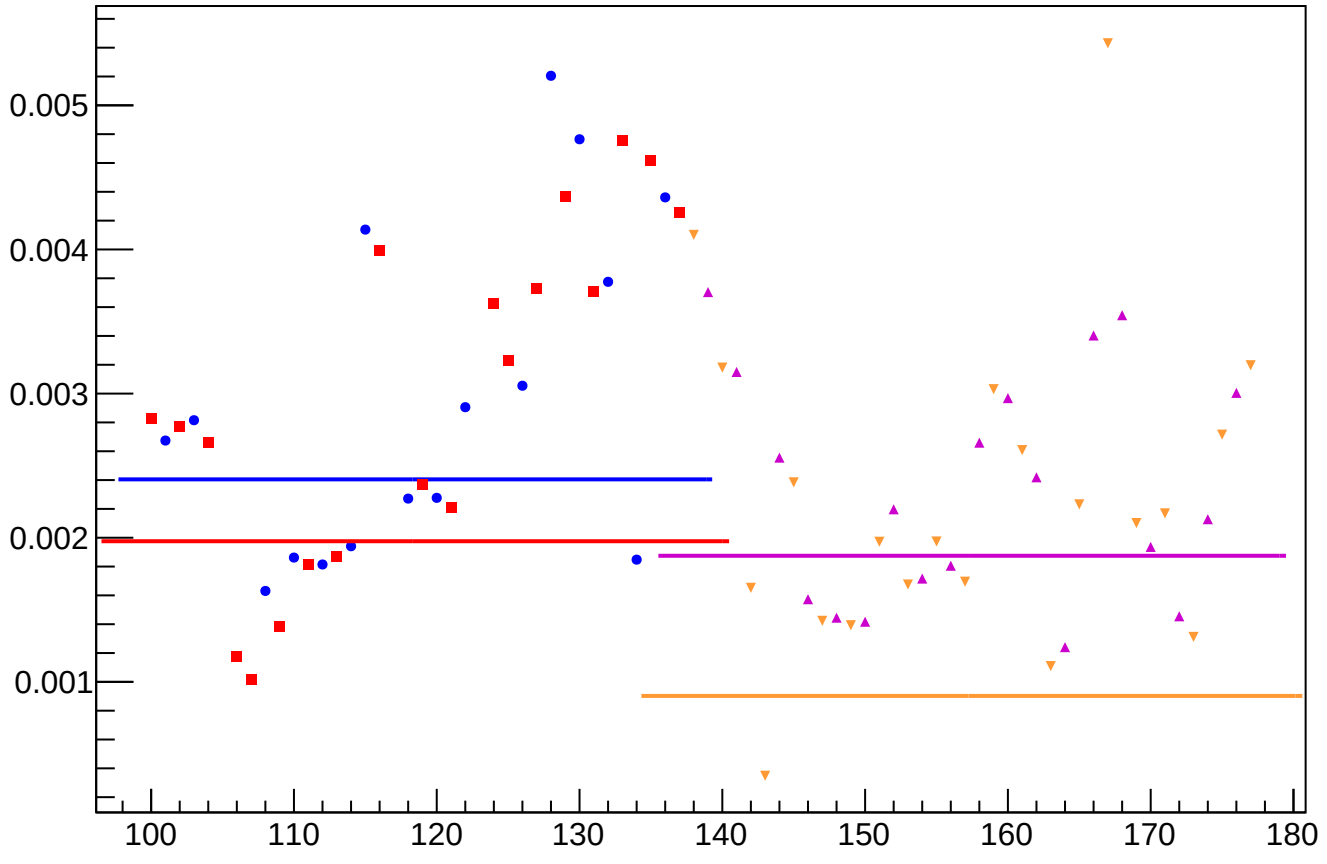
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:22.8/18

+ sign -0.000+/-0.000 χ^2/NDF: 86.6/36

All: -0.000+/-0.000 χ^2/NDF: 124.5/74

- sign -0.000+/-0.000 χ^2/NDF: 38.0/37



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:14563503.9/20

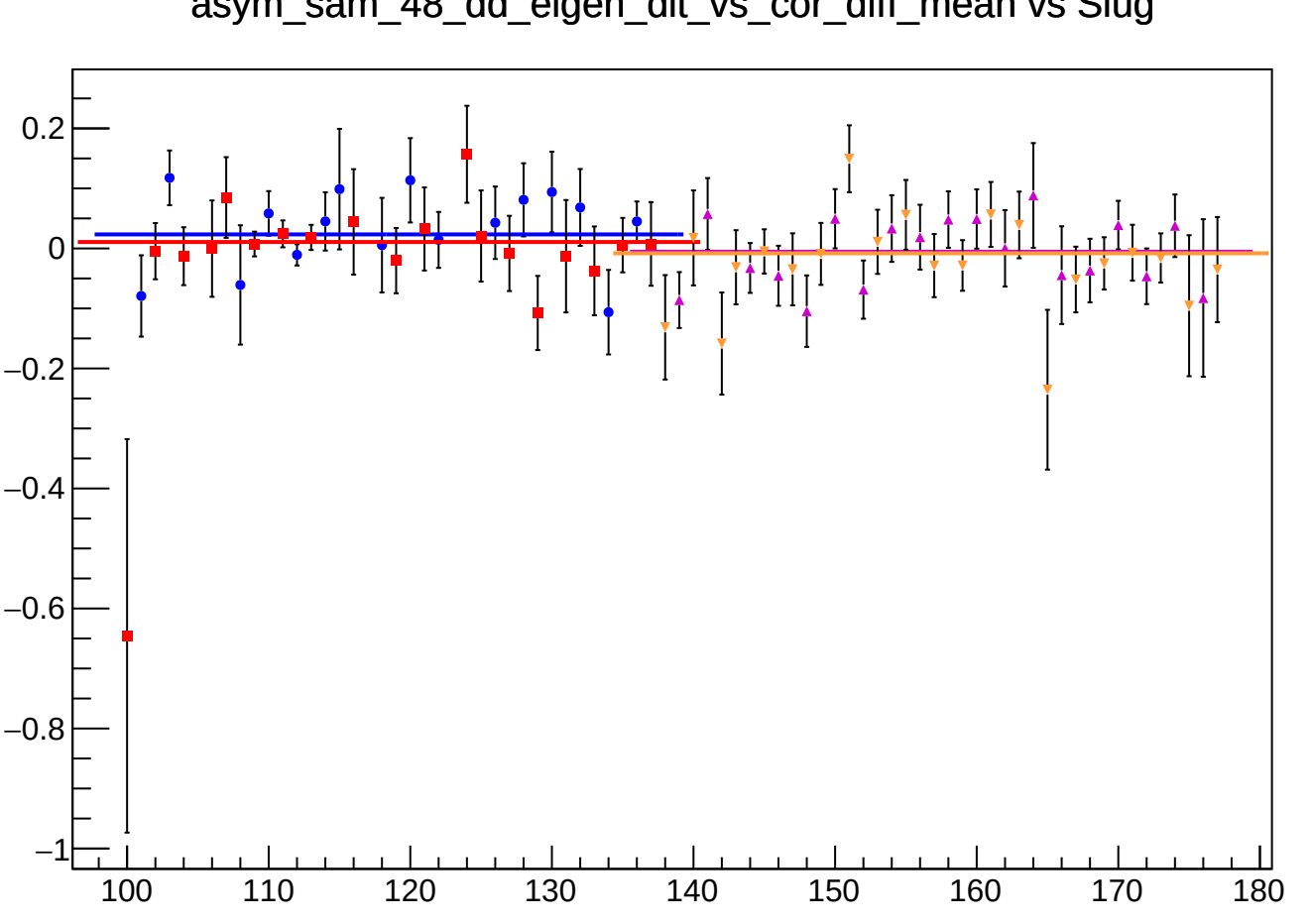
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2840242.5/18

\+ sign 0.001+/-0.000 χ^2/NDF: 20634272.8/36

All: 0.001+/-0.000 χ^2/NDF: 31757107.8/74

\- sign 0.002+/-0.000 χ^2/NDF: 5637692.5/37



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

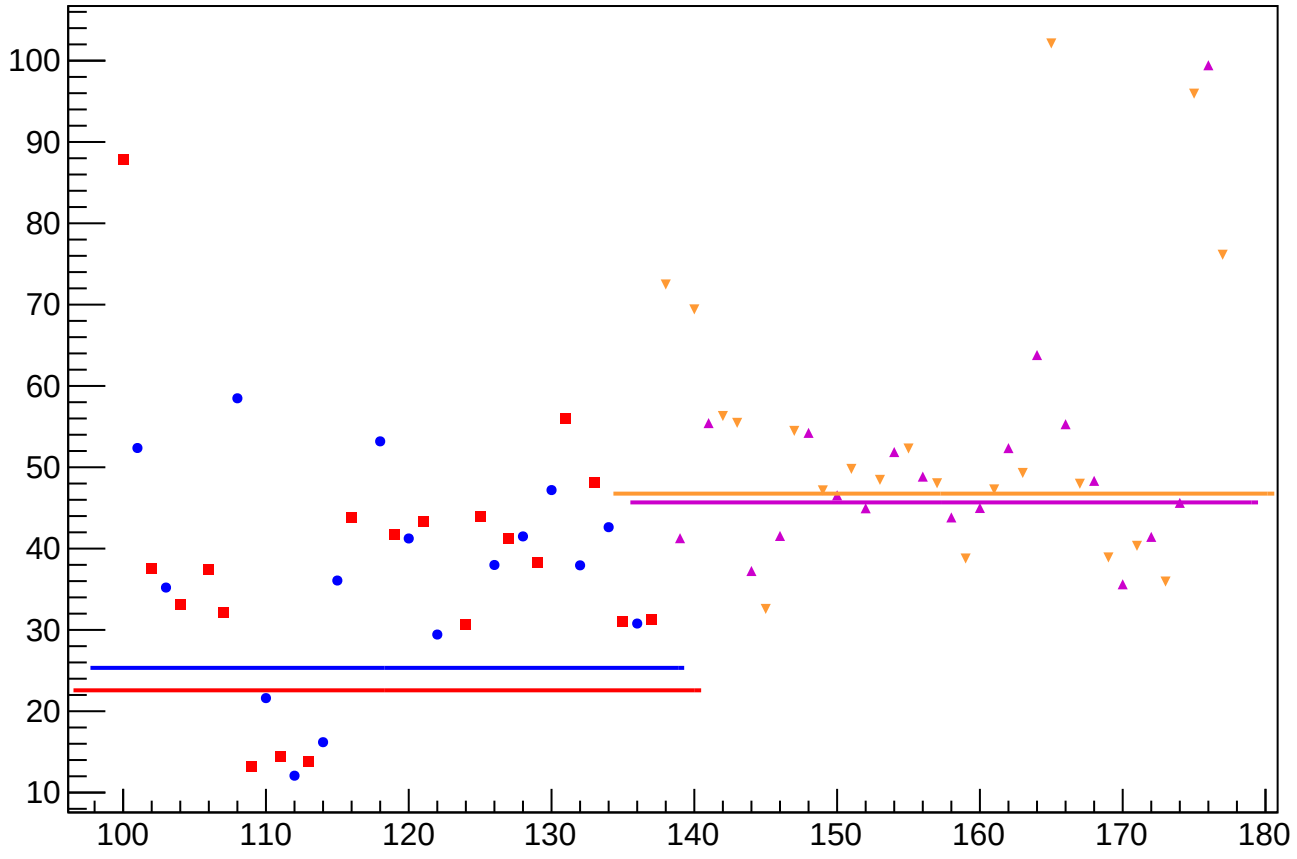
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.8/18

+ sign 0.009+/-0.008 χ^2/NDF: 46.3/36

All: 0.007+/-0.006 χ^2/NDF: 80.6/74

- sign 0.004+/-0.008 χ^2/NDF: 34.1/37



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.759+/-0.009 χ^2/NDF:2001190.5/20

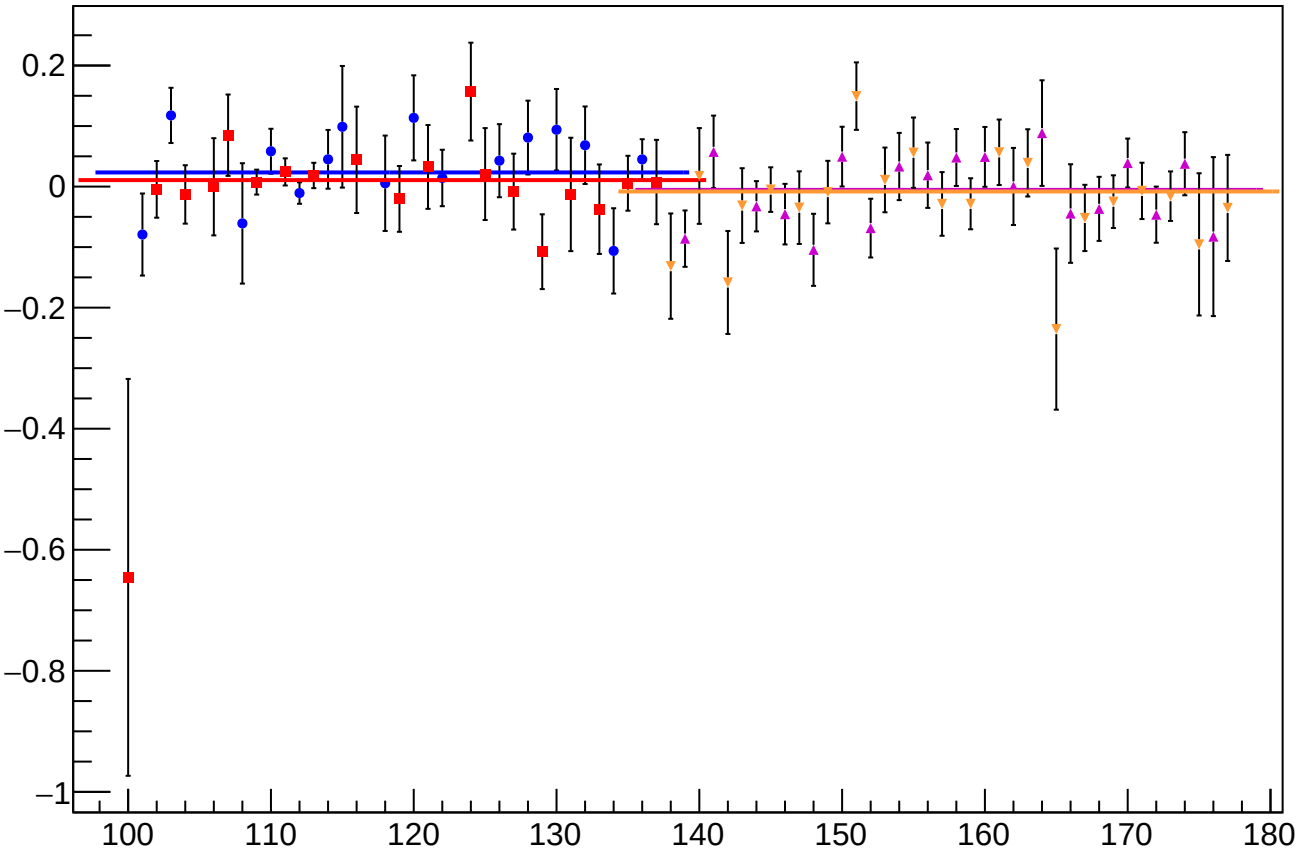
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.678+/-0.009 χ^2/NDF:861574.5/18

+ sign 35.085+/-0.006 χ^2/NDF: 8337958.5/36

All: 33.258+/-0.004 χ^2/NDF: 16900685.0/74

- sign 31.664+/-0.005 χ^2/NDF: 8375574.5/37



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

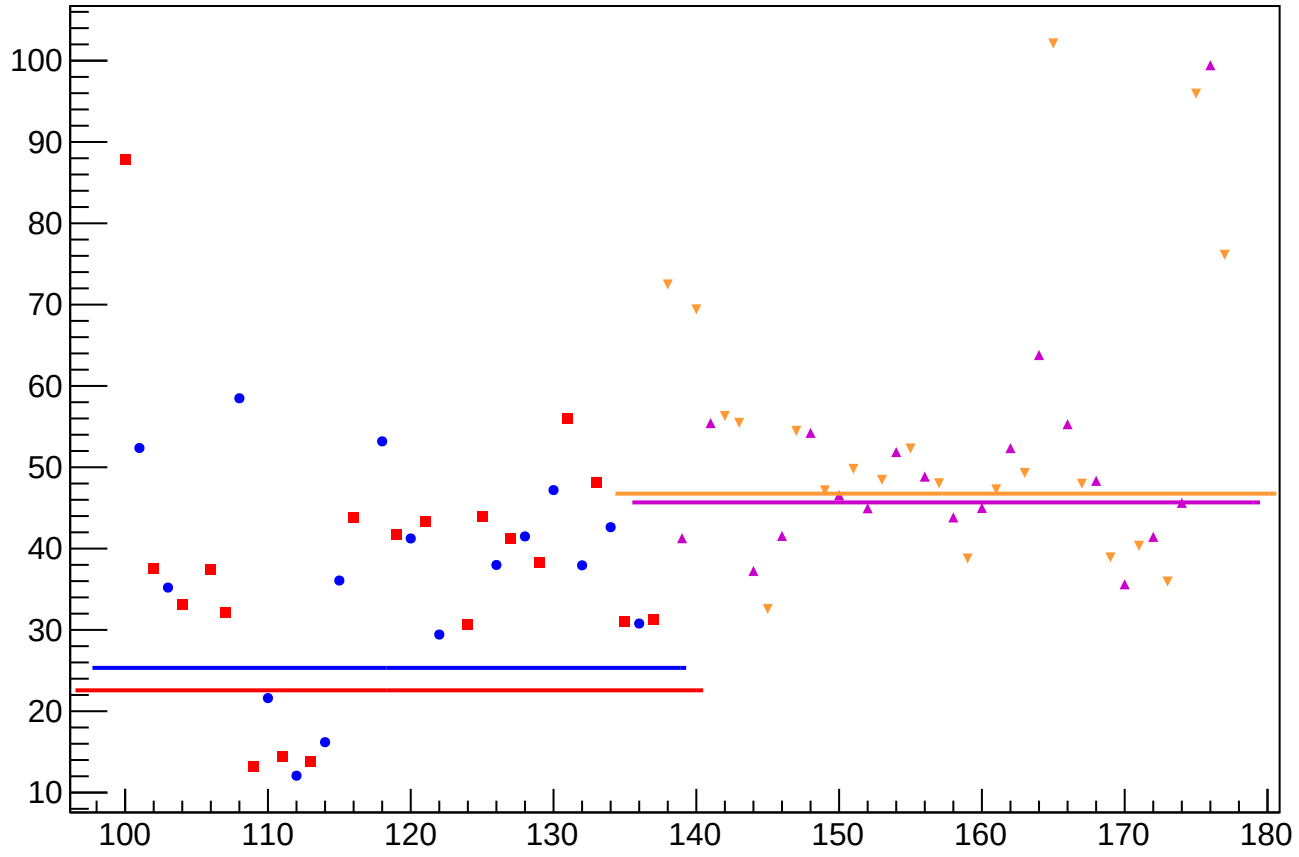
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.012 χ^2/NDF:18.8/18

+ sign 0.009+/-0.008 χ^2/NDF: 46.3/36

All: 0.007+/-0.006 χ^2/NDF: 80.6/74

- sign 0.004+/-0.008 χ^2/NDF: 34.1/37



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.759+/-0.009 χ^2/NDF:2001190.5/20

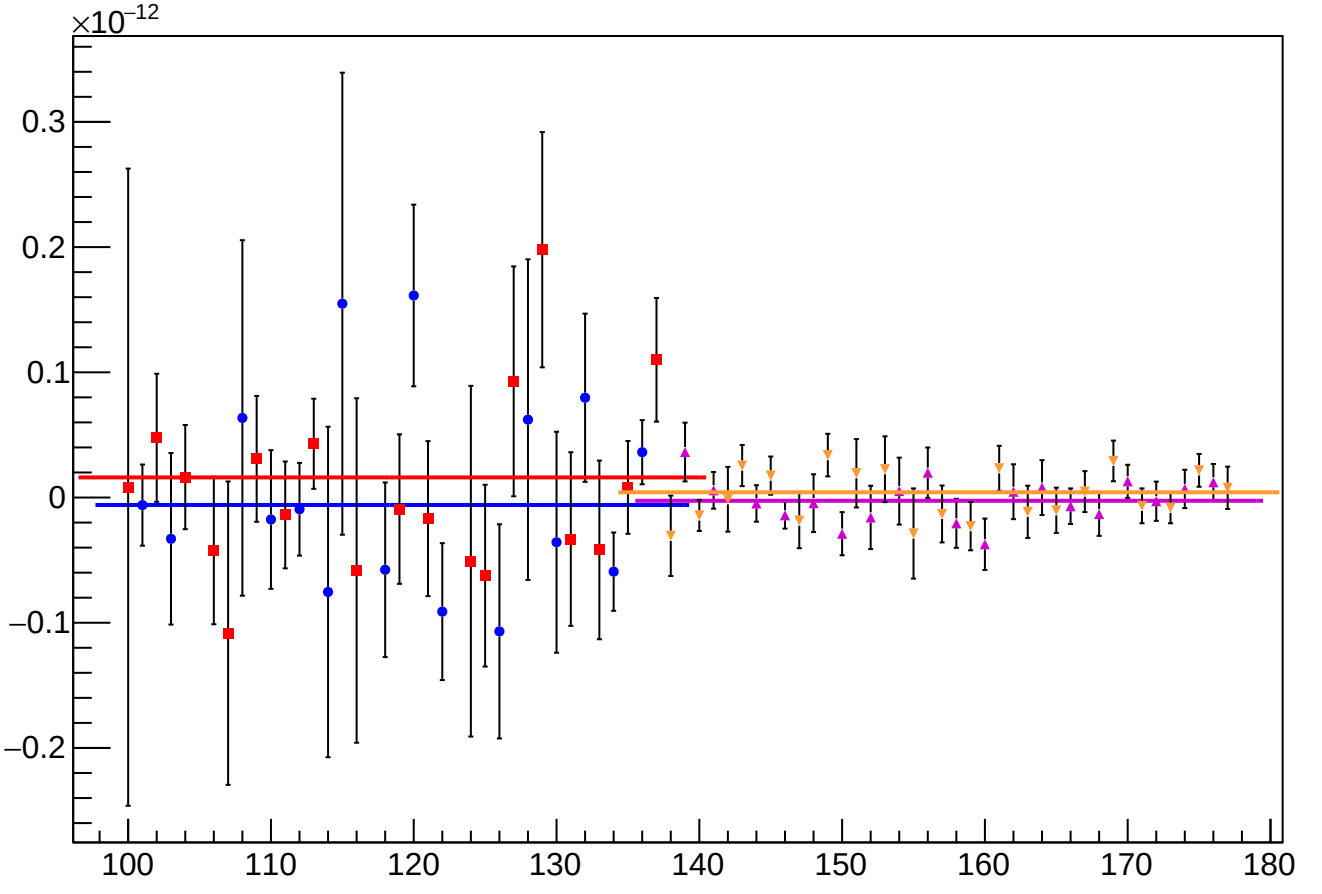
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.678+/-0.009 χ^2/NDF:861574.5/18

+ sign 35.085+/-0.006 χ^2/NDF: 8337958.5/36

All: 33.258+/-0.004 χ^2/NDF: 16900685.0/74

- sign 31.664+/-0.005 χ^2/NDF: 8375574.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/20

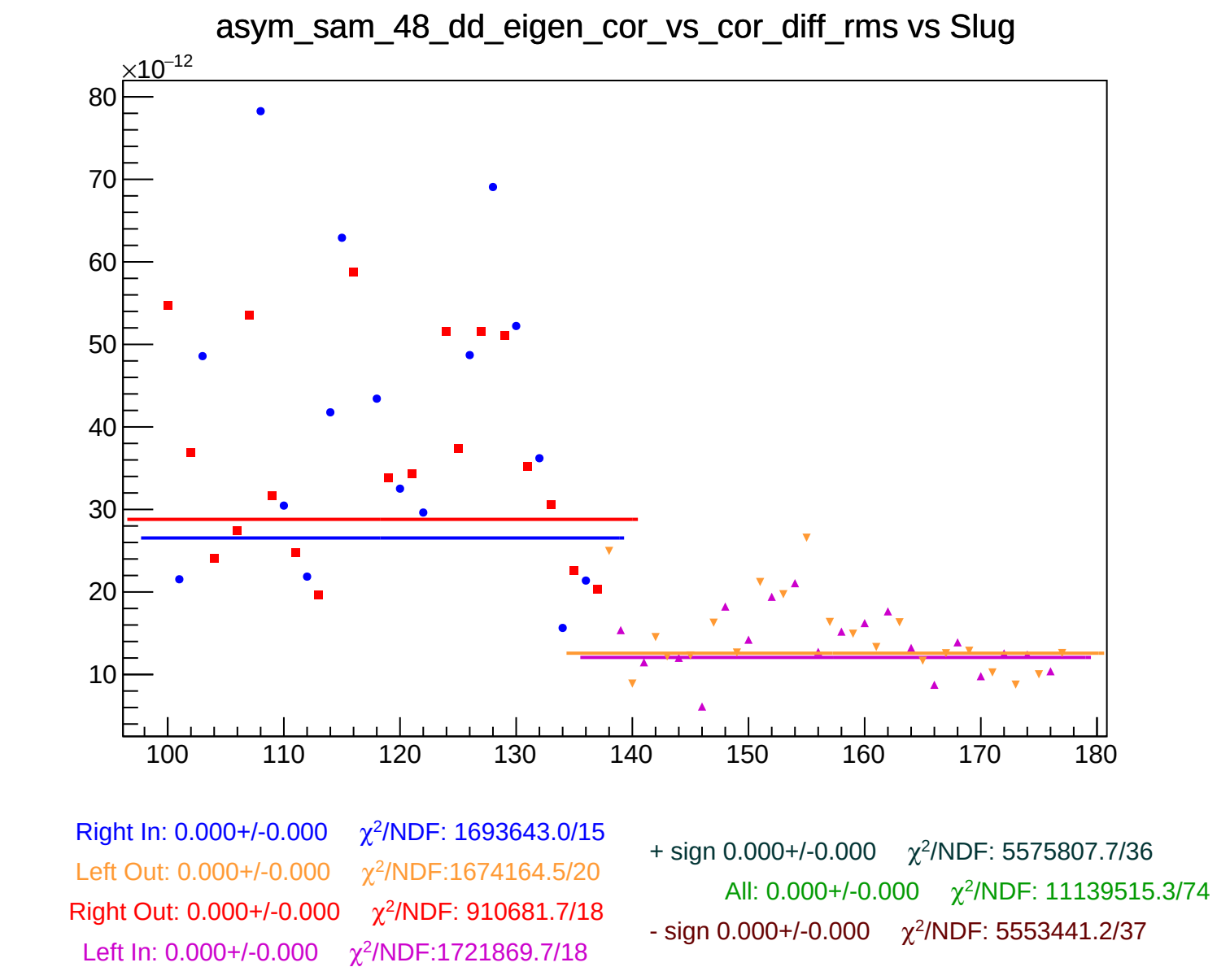
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/36

All: 0.000+/-0.000 χ^2/NDF: 74.7/74

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


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
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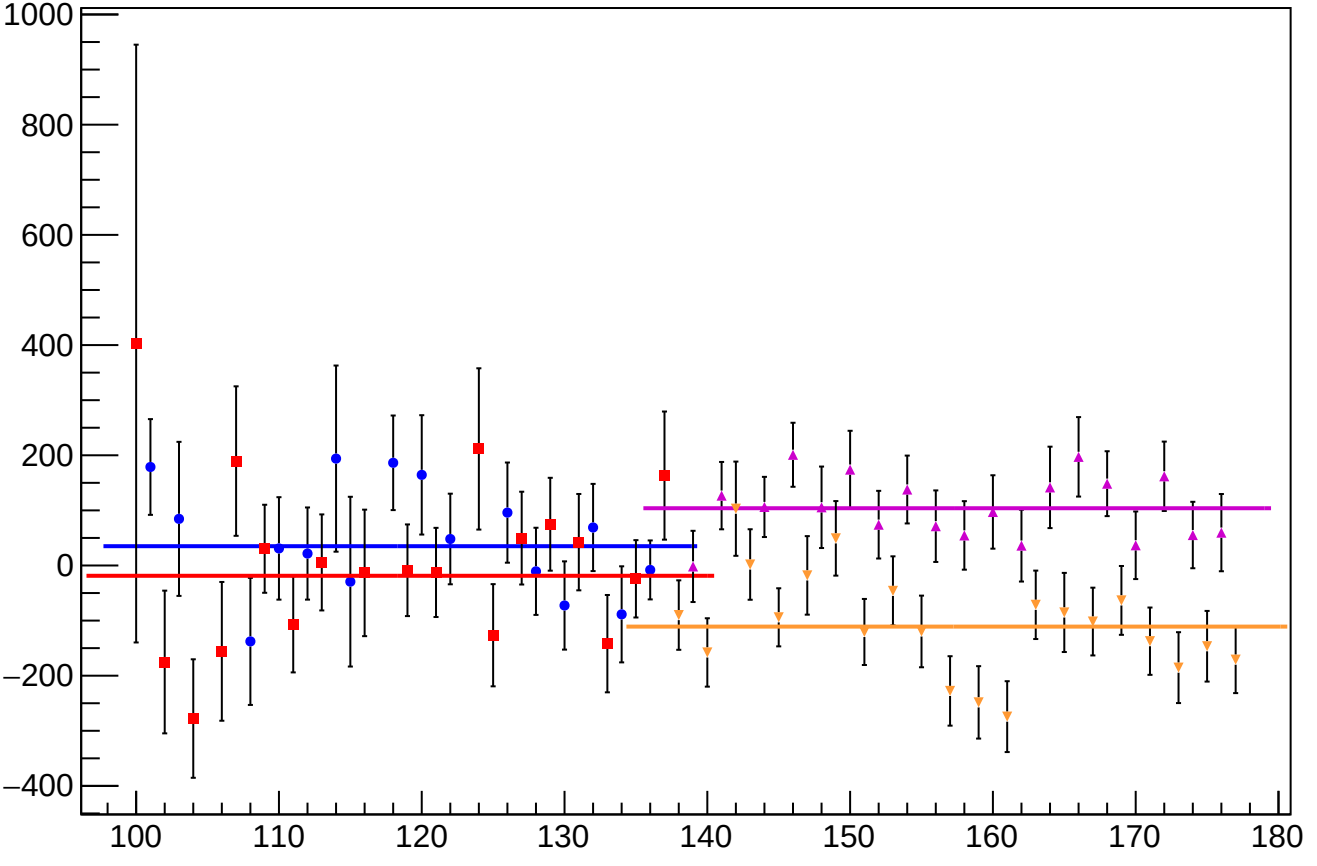
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1674164.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1721869.7/18
+ sign 0.000+/-0.000 χ²/NDF: 5575807.7/36
All: 0.000+/-0.000 χ²/NDF: 11139515.3/74
- sign 0.000+/-0.000 χ²/NDF: 5553441.2/37

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.915+/-13.921 χ^2/NDF:36.8/20

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

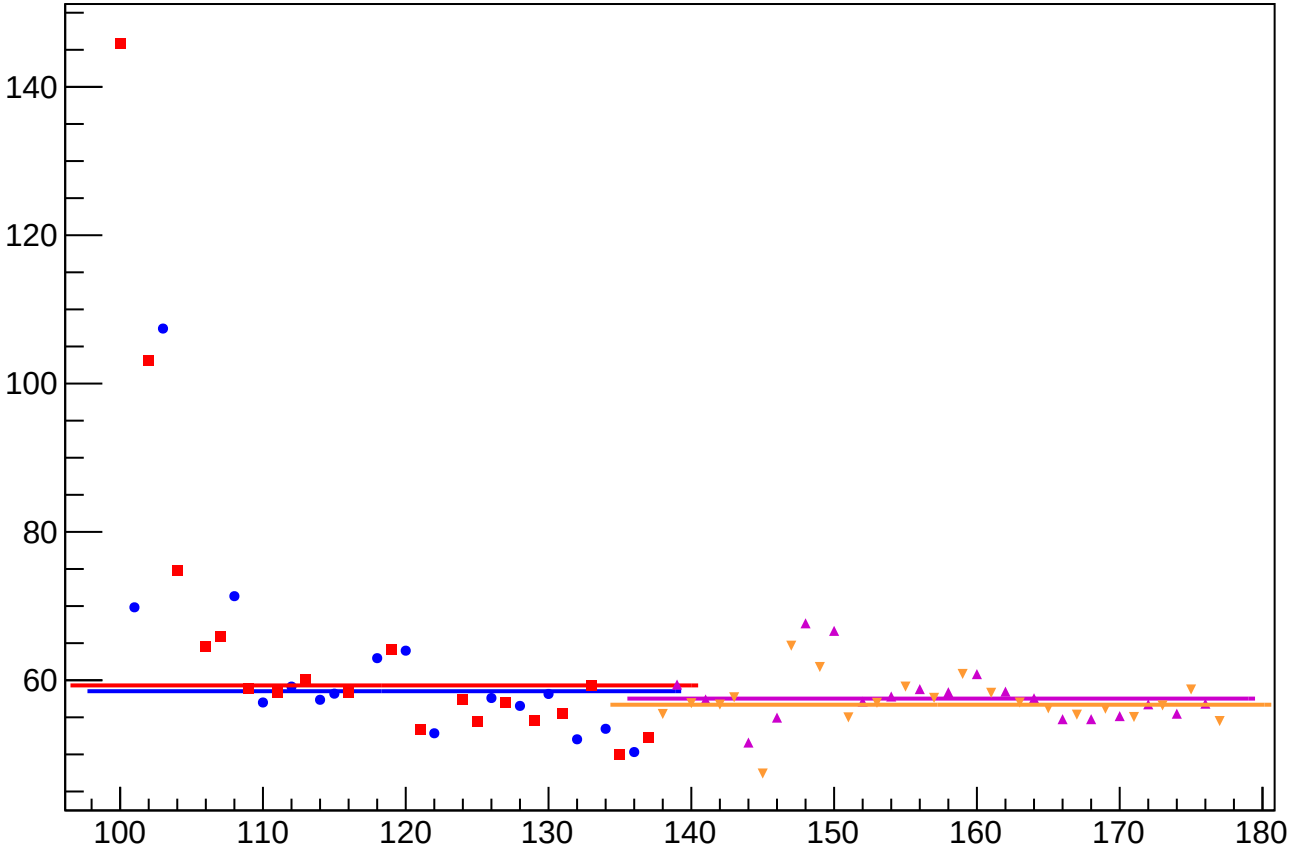
Left In: 103.908+/-14.634 χ^2/NDF:14.7/18

\+ sign -69.553+/-11.784 χ^2/NDF: 84.1/36

All: -3.867+/-8.478 χ^2/NDF: 208.1/74

\- sign 66.626+/-12.208 χ^2/NDF: 59.6/37

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.699+/-0.010 χ^2/NDF:120994.6/20

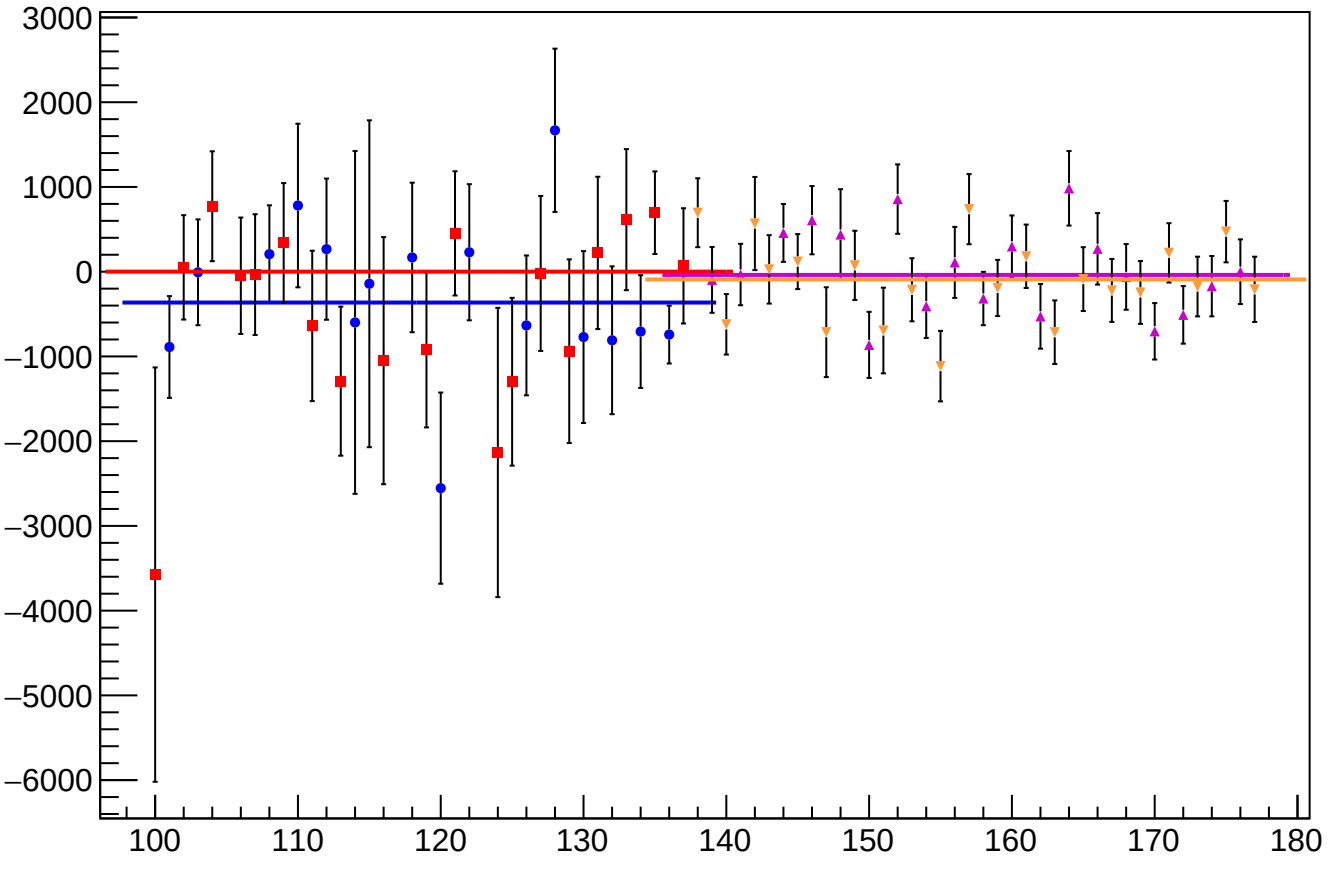
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

+ sign 57.215+/-0.008 χ^2/NDF: 523459.1/36

All: 57.625+/-0.006 χ^2/NDF: 1064305.2/74

- sign 58.065+/-0.009 χ^2/NDF: 535834.6/37



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -91.552+/-84.334 χ^2/NDF:28.1/20

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

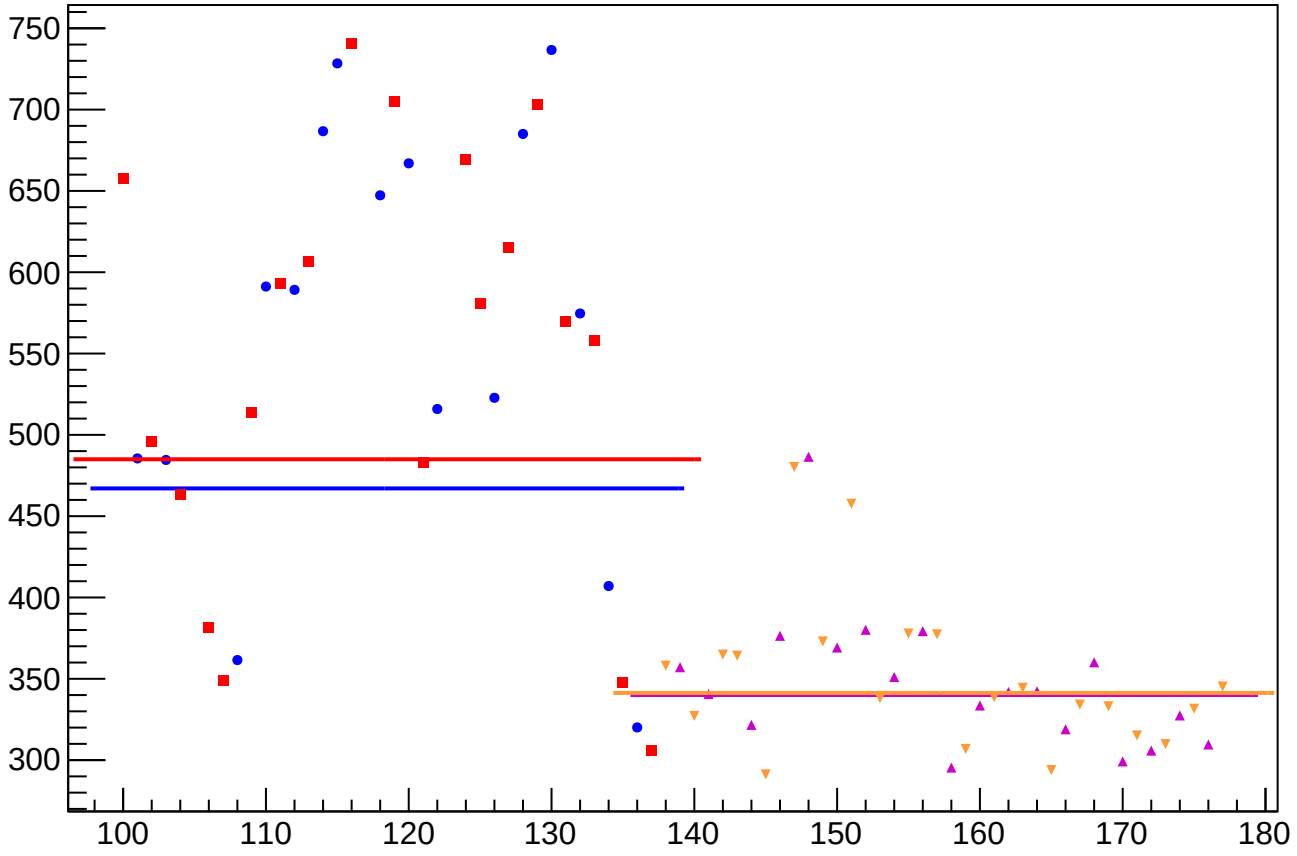
Left In: -38.184+/-86.990 χ^2/NDF:31.1/18

+ sign -140.339+/-76.414 χ^2/NDF: 45.2/36

All: -87.215+/-54.780 χ^2/NDF: 92.4/74

- sign -31.047+/-78.572 χ^2/NDF: 46.2/37

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 341.317+/-0.060 χ^2/NDF:434503.2/20

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

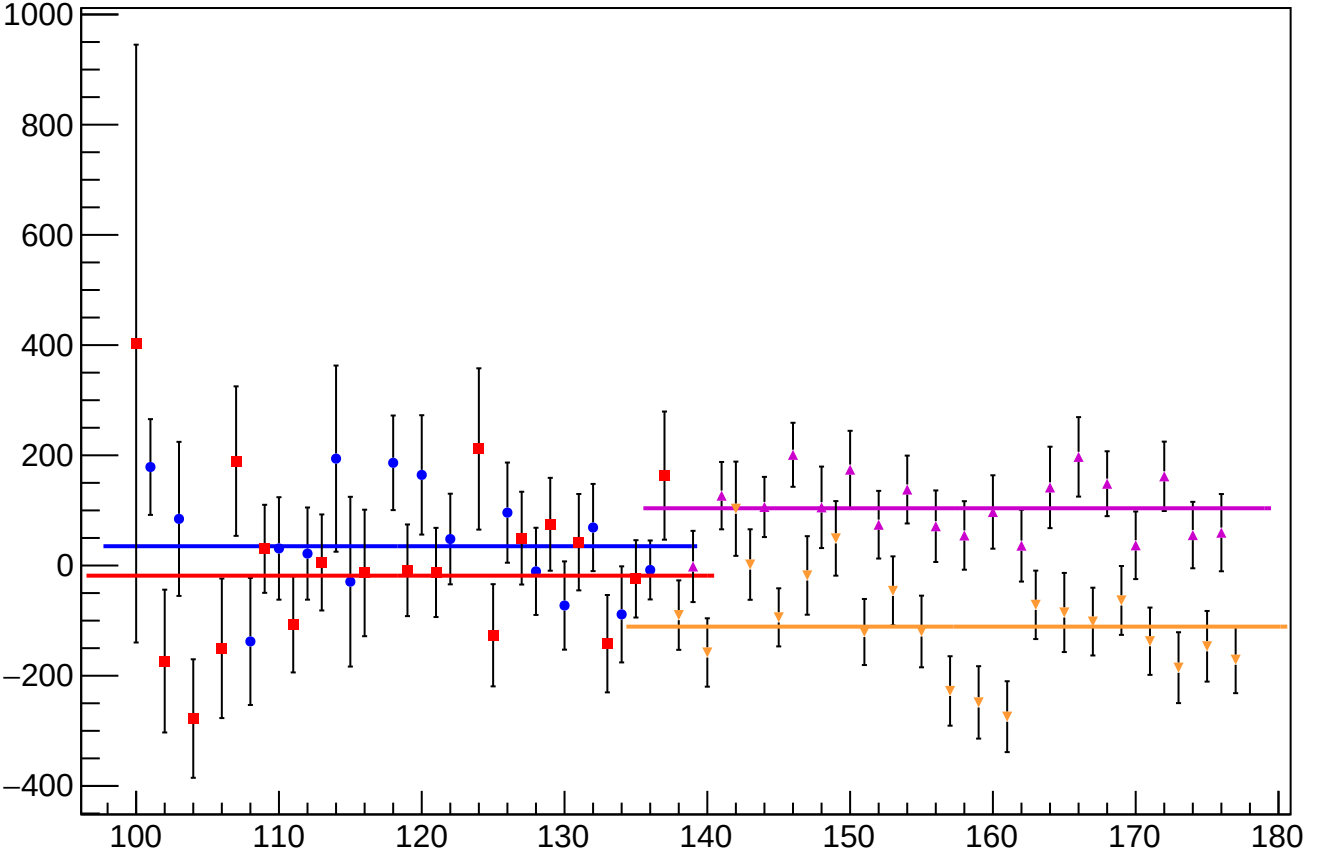
Left In: 340.038+/-0.062 χ^2/NDF:342479.7/18

\+ sign 363.829+/-0.054 χ^2/NDF: 2260844.5/36

All: 365.241+/-0.039 χ^2/NDF: 4501454.8/74

\- sign 366.733+/-0.056 χ^2/NDF: 2239205.8/37

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.914+/-13.921 χ^2/NDF:36.8/20

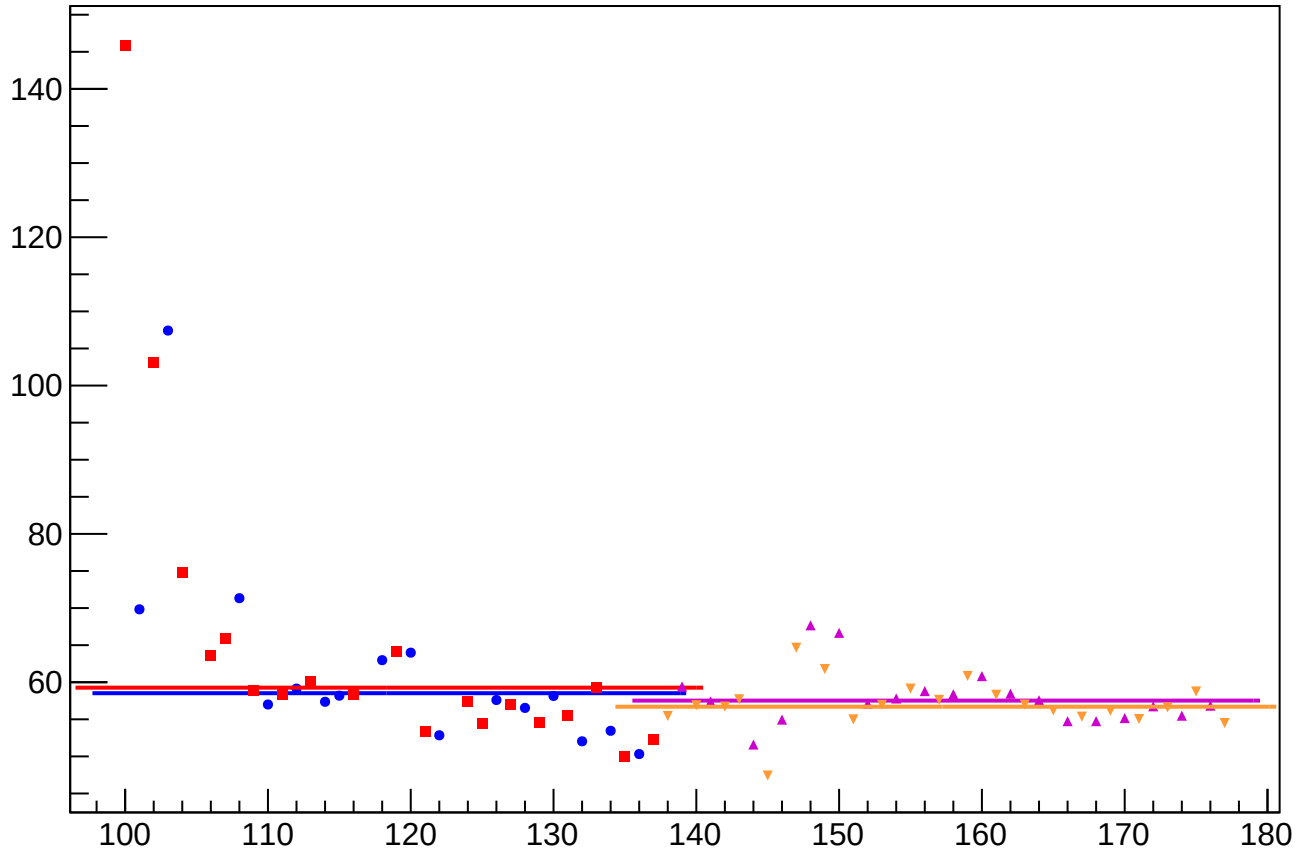
Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: 103.909+/-14.634 χ^2/NDF:14.7/18

+ sign -69.552+/-11.784 χ^2/NDF: 84.1/36

All: -3.826+/-8.479 χ^2/NDF: 207.9/74

- sign 66.719+/-12.208 χ^2/NDF: 59.3/37



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.699+/-0.010 χ^2/NDF:120994.6/20

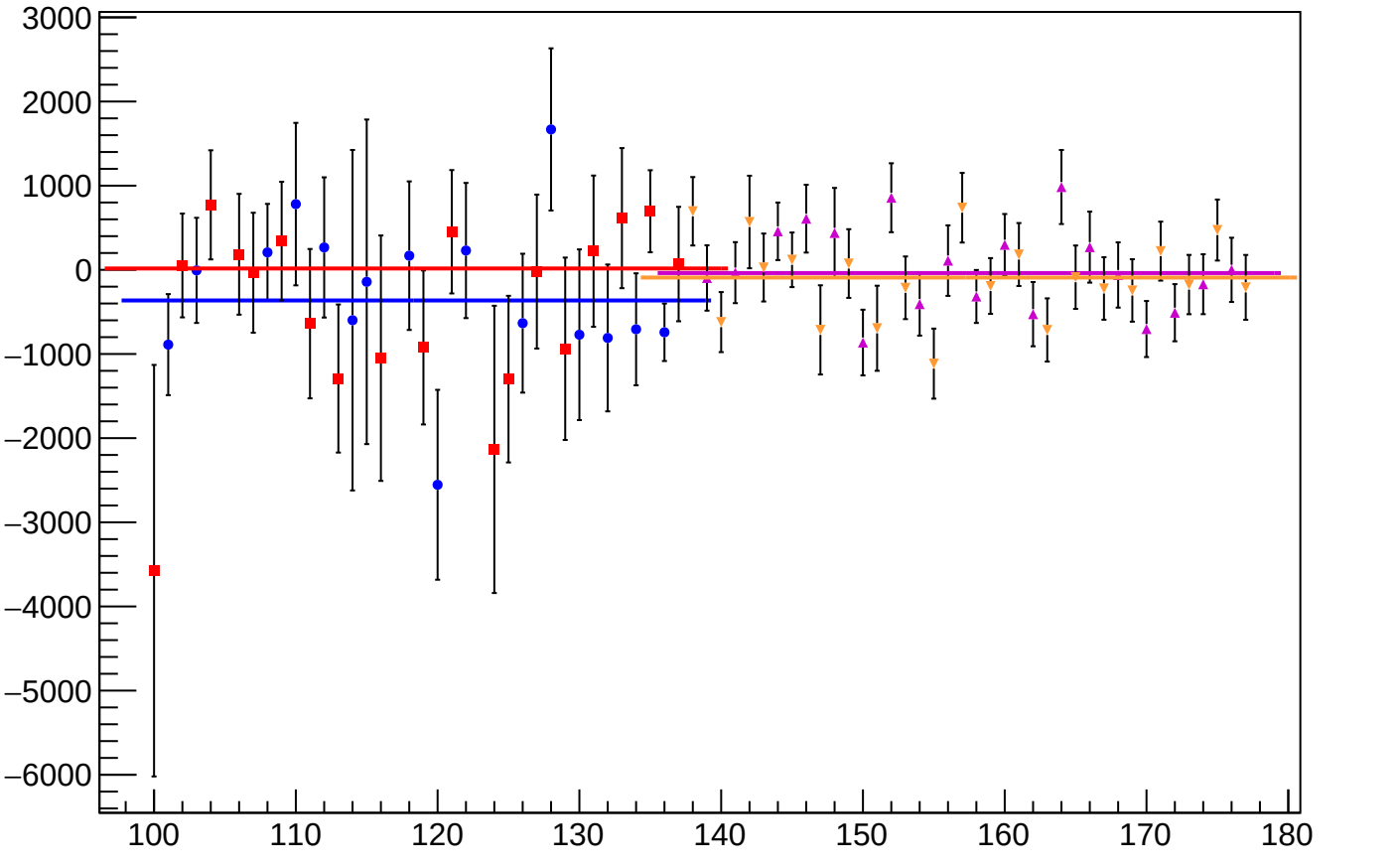
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

+ sign 57.215+/-0.008 χ^2/NDF: 523461.2/36

All: 57.620+/-0.006 χ^2/NDF: 1062876.1/74

- sign 58.055+/-0.009 χ^2/NDF: 534518.8/37



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.553+/-84.334 χ^2/NDF:28.1/20

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

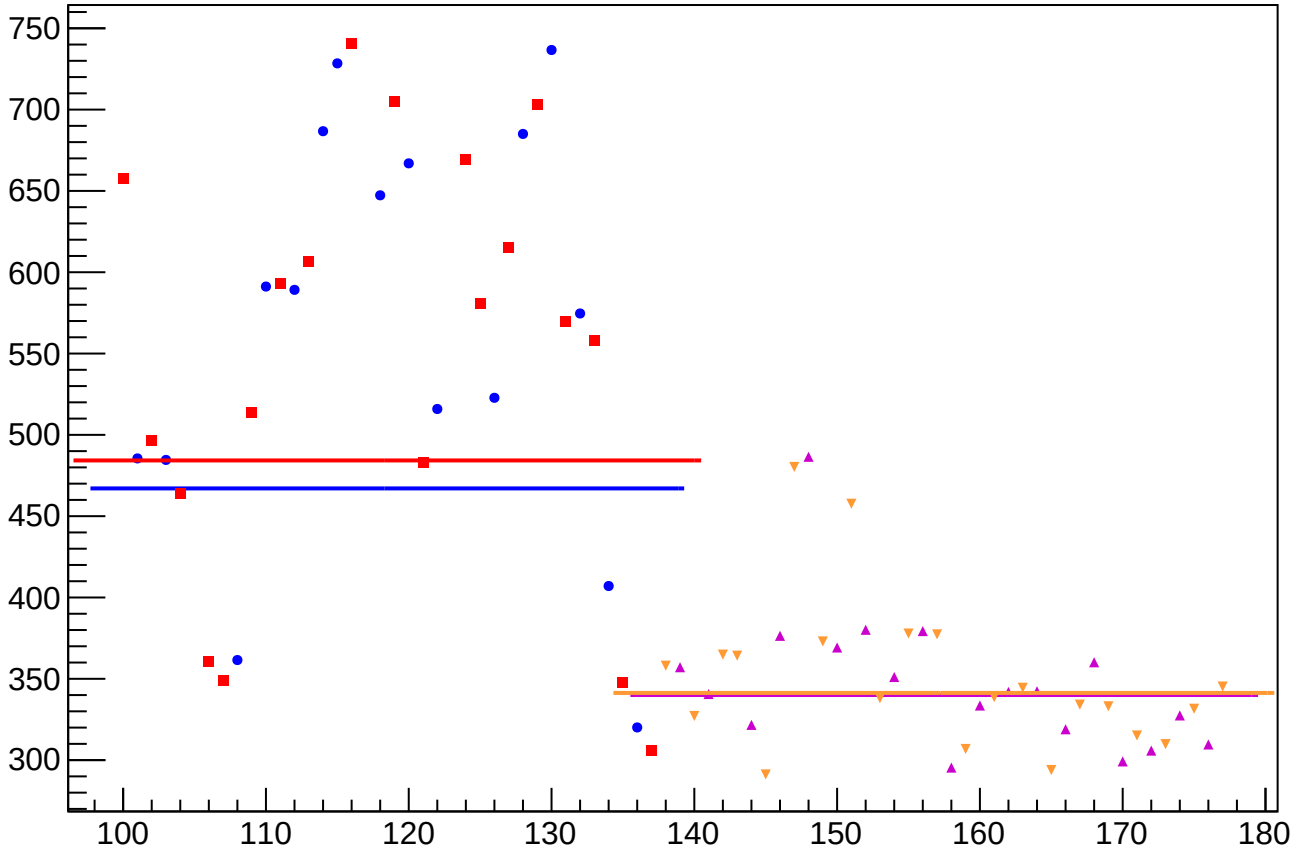
Left In: -38.183+/-86.990 χ^2/NDF:31.1/18

+ sign -140.333+/-76.414 χ^2/NDF: 45.2/36

All: -85.878+/-54.795 χ^2/NDF: 92.6/74

- sign -28.238+/-78.617 χ^2/NDF: 46.3/37

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.317+/-0.060 χ^2/NDF:434502.8/20

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

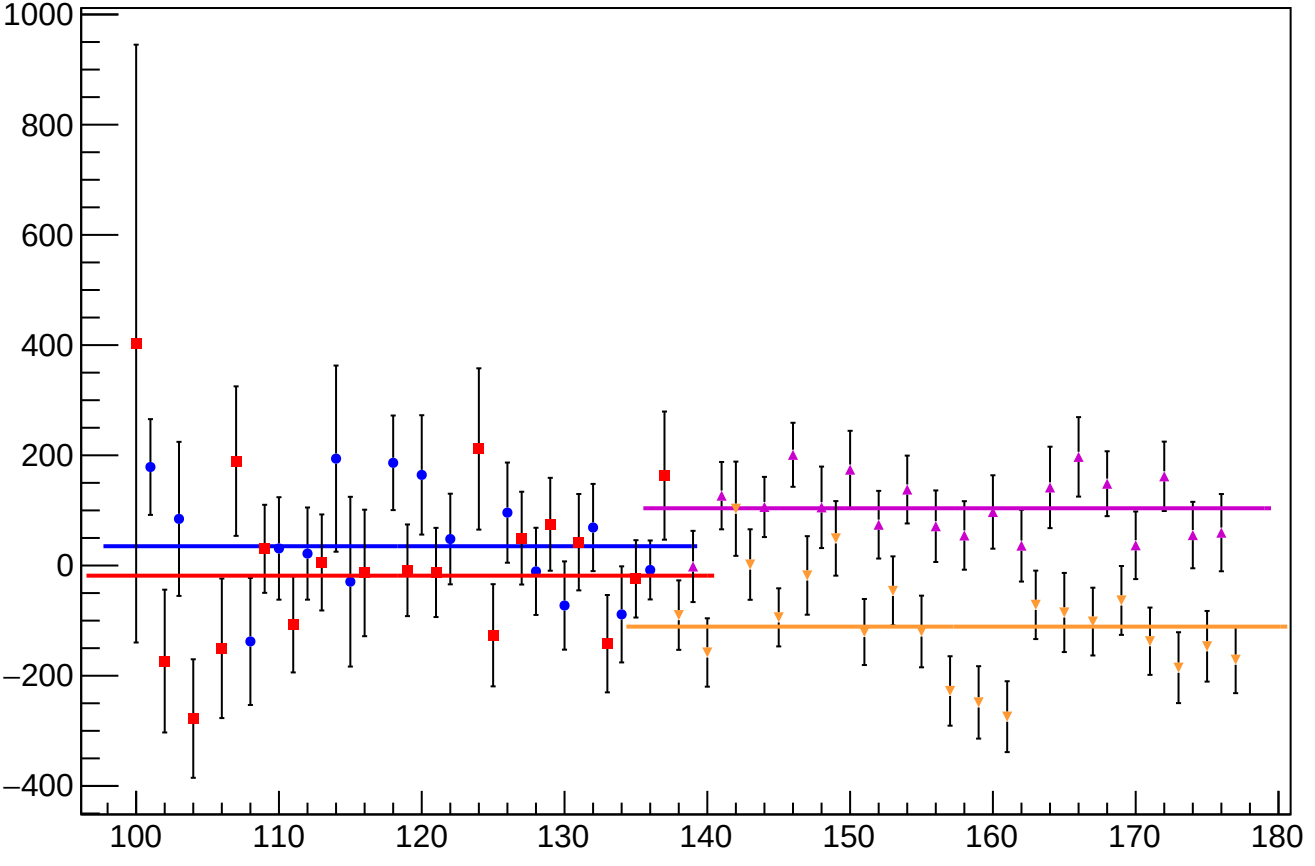
Left In: 340.038+/-0.062 χ^2/NDF:342483.4/18

+ sign 363.829+/-0.054 χ^2/NDF: 2260870.6/36

All: 365.112+/-0.039 χ^2/NDF: 4500887.3/74

- sign 366.470+/-0.056 χ^2/NDF: 2238856.6/37

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.914+/-13.921 χ^2/NDF:36.8/20

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

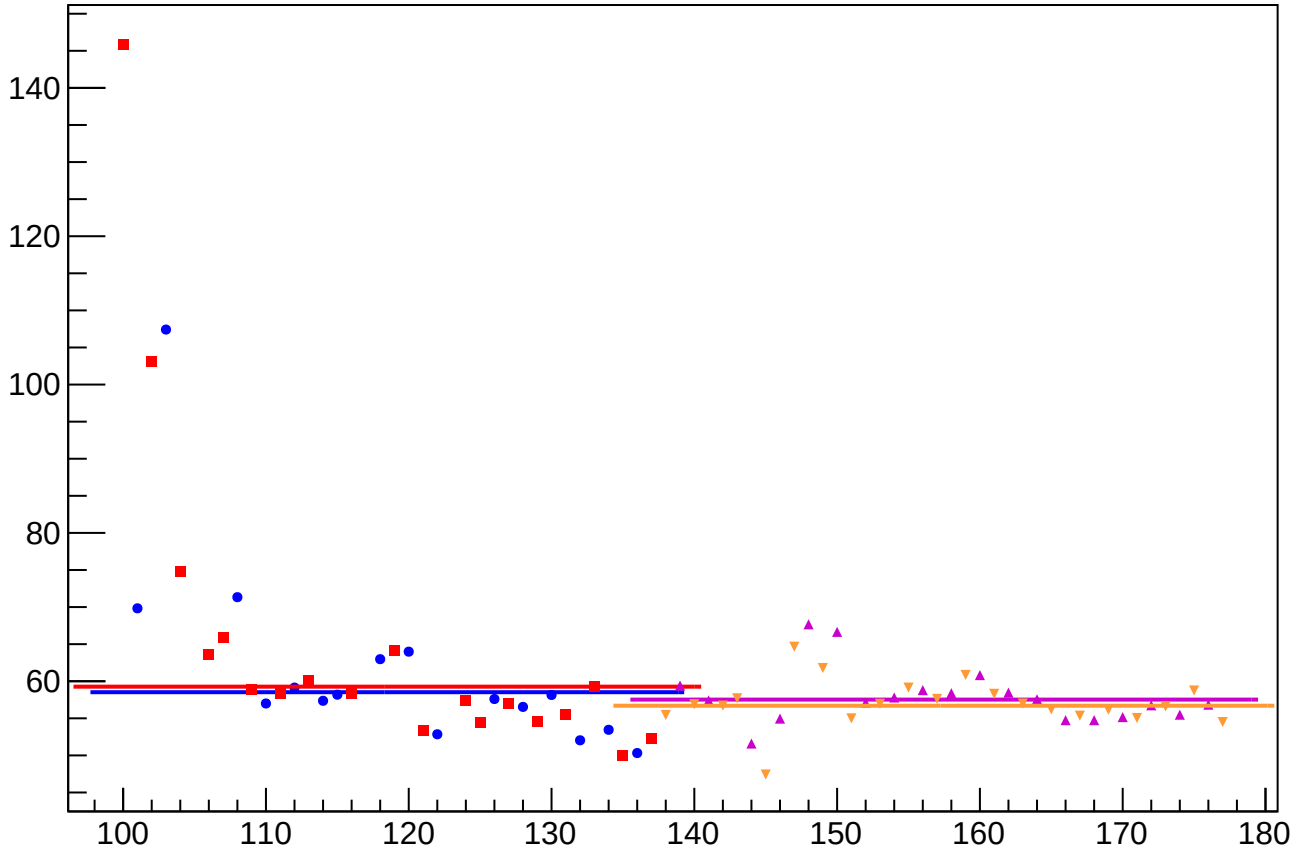
Left In: 103.909+/-14.634 χ^2/NDF:14.7/18

+ sign -69.552+/-11.784 χ^2/NDF: 84.1/36

All: -3.826+/-8.479 χ^2/NDF: 207.9/74

- sign 66.719+/-12.208 χ^2/NDF: 59.3/37

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.699+/-0.010 χ^2/NDF:120994.6/20

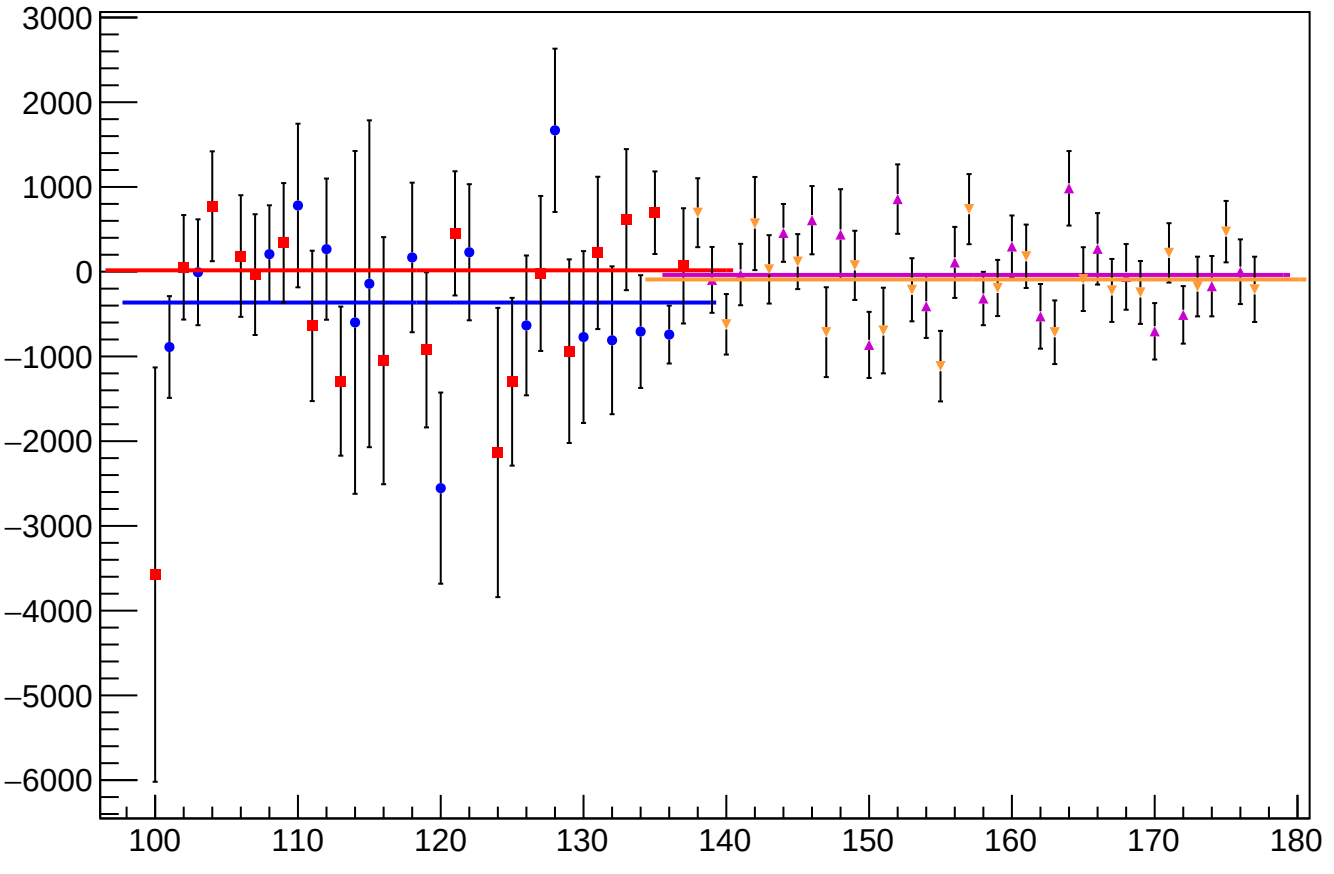
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

+ sign 57.215+/-0.008 χ^2/NDF: 523461.2/36

All: 57.620+/-0.006 χ^2/NDF: 1062876.1/74

- sign 58.055+/-0.009 χ^2/NDF: 534518.8/37



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.553+/-84.334 χ^2/NDF:28.1/20

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

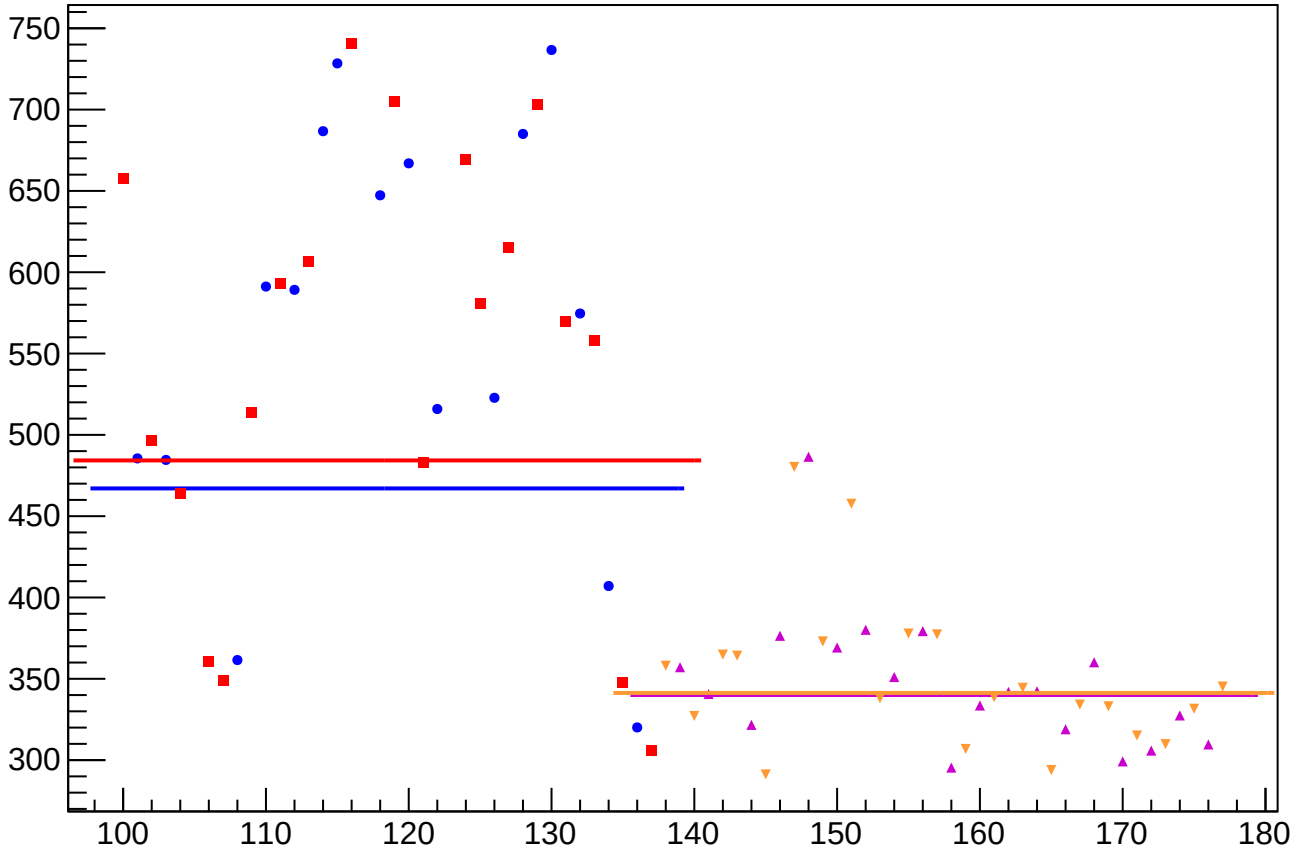
Left In: -38.183+/-86.990 χ^2/NDF:31.1/18

\+ sign -140.333+/-76.414 χ^2/NDF: 45.2/36

All: -85.878+/-54.795 χ^2/NDF: 92.6/74

\- sign -28.238+/-78.617 χ^2/NDF: 46.3/37

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: 341.317+/-0.060 χ^2/NDF:434502.8/20

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

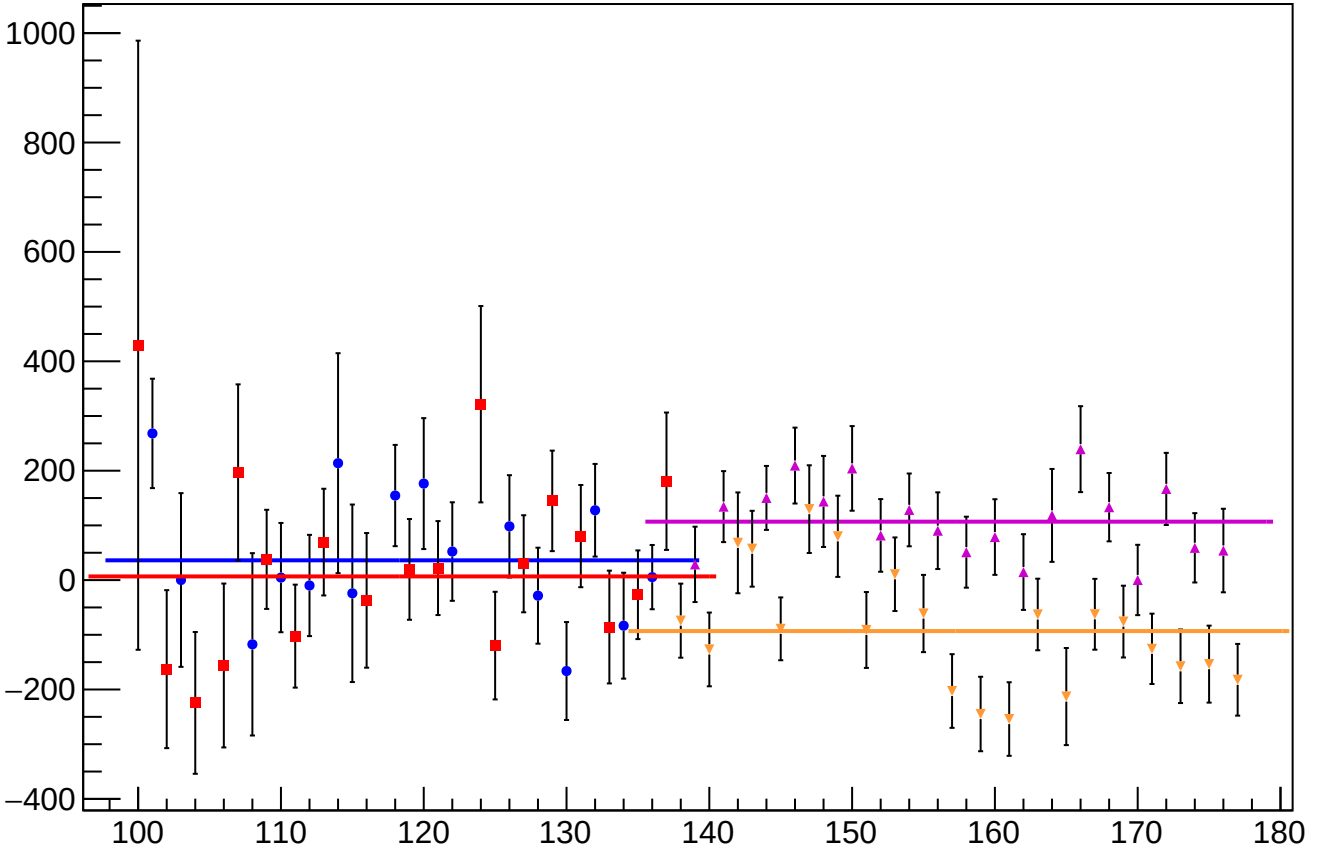
Left In: 340.038+/-0.062 χ^2/NDF:342483.4/18

\+ sign 363.829+/-0.054 χ^2/NDF: 2260870.6/36

All: 365.112+/-0.039 χ^2/NDF: 4500887.3/74

\- sign 366.470+/-0.056 χ^2/NDF: 2238856.6/37

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -93.170+/-15.042 χ^2/NDF:43.3/20

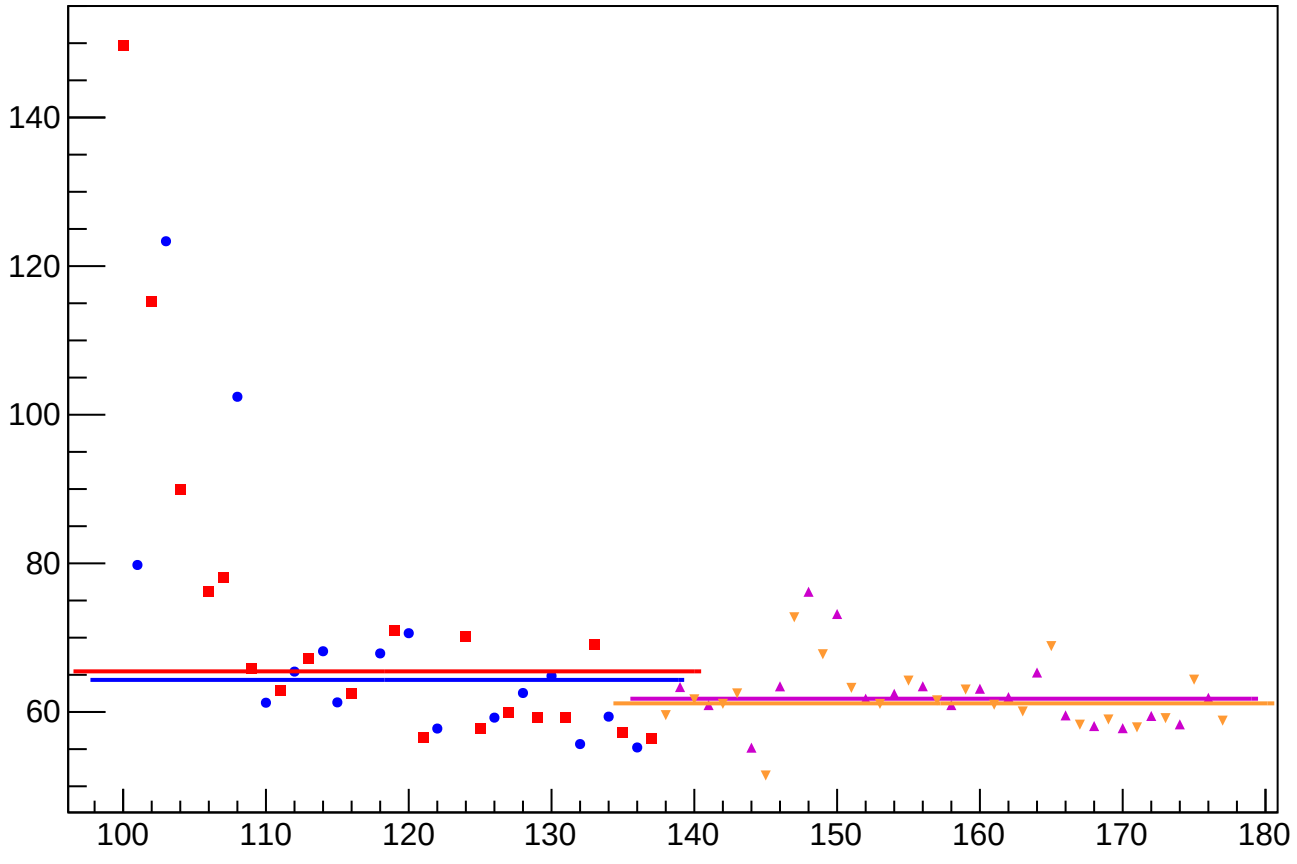
Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: 106.835+/-15.772 χ^2/NDF:16.6/18

+ sign -57.706+/-12.815 χ^2/NDF: 83.2/36

All: 7.584+/-9.219 χ^2/NDF: 185.7/74

- sign 77.616+/-13.272 χ^2/NDF: 48.7/37



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.159+/-0.011 χ^2/NDF:158980.2/20

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

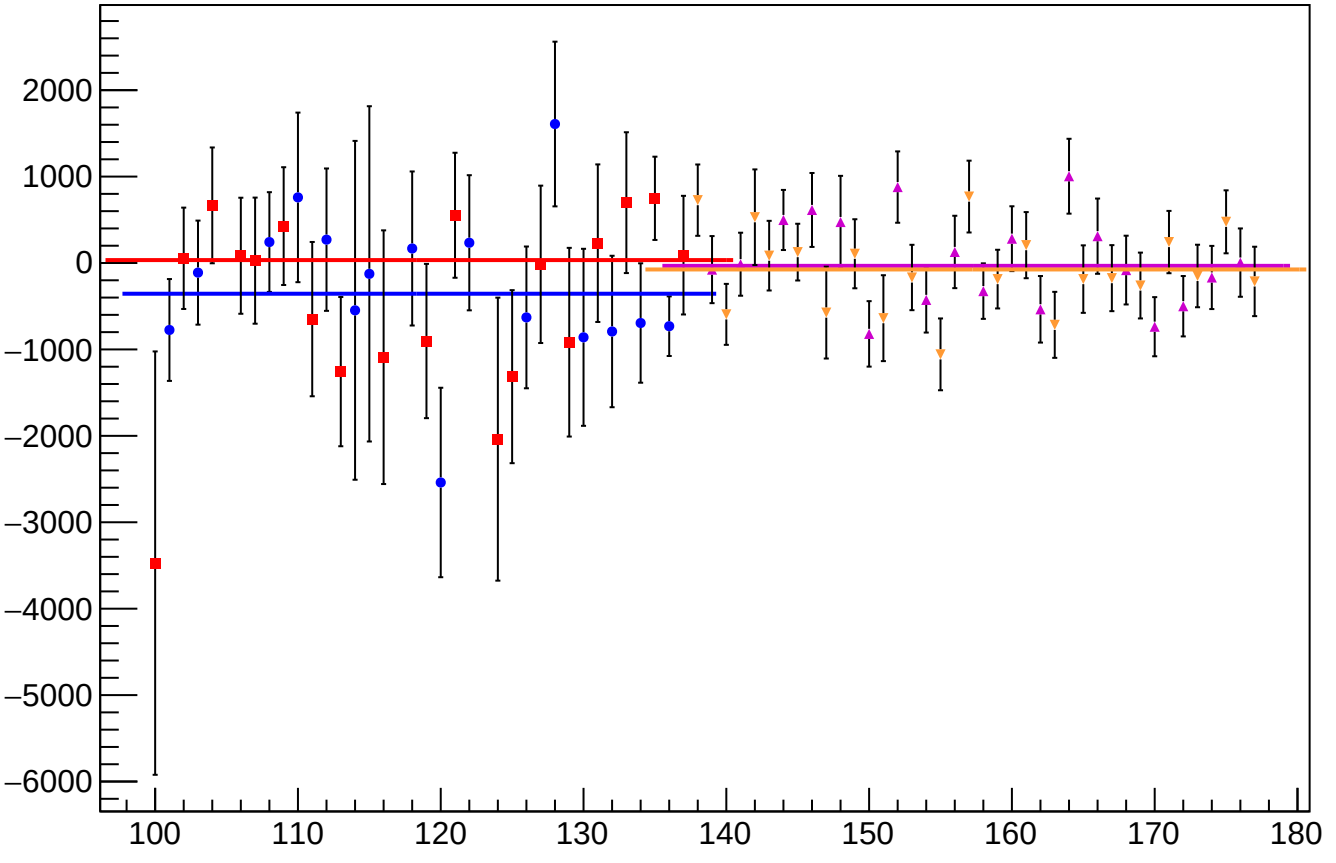
Left In: 61.785+/-0.011 χ^2/NDF:161556.8/18

+ sign 62.025+/-0.009 χ^2/NDF: 715211.7/36

All: 62.428+/-0.007 χ^2/NDF: 1395021.7/74

- sign 62.860+/-0.009 χ^2/NDF: 675711.3/37

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -74.726+/-85.508 χ^2/NDF:26.9/20

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

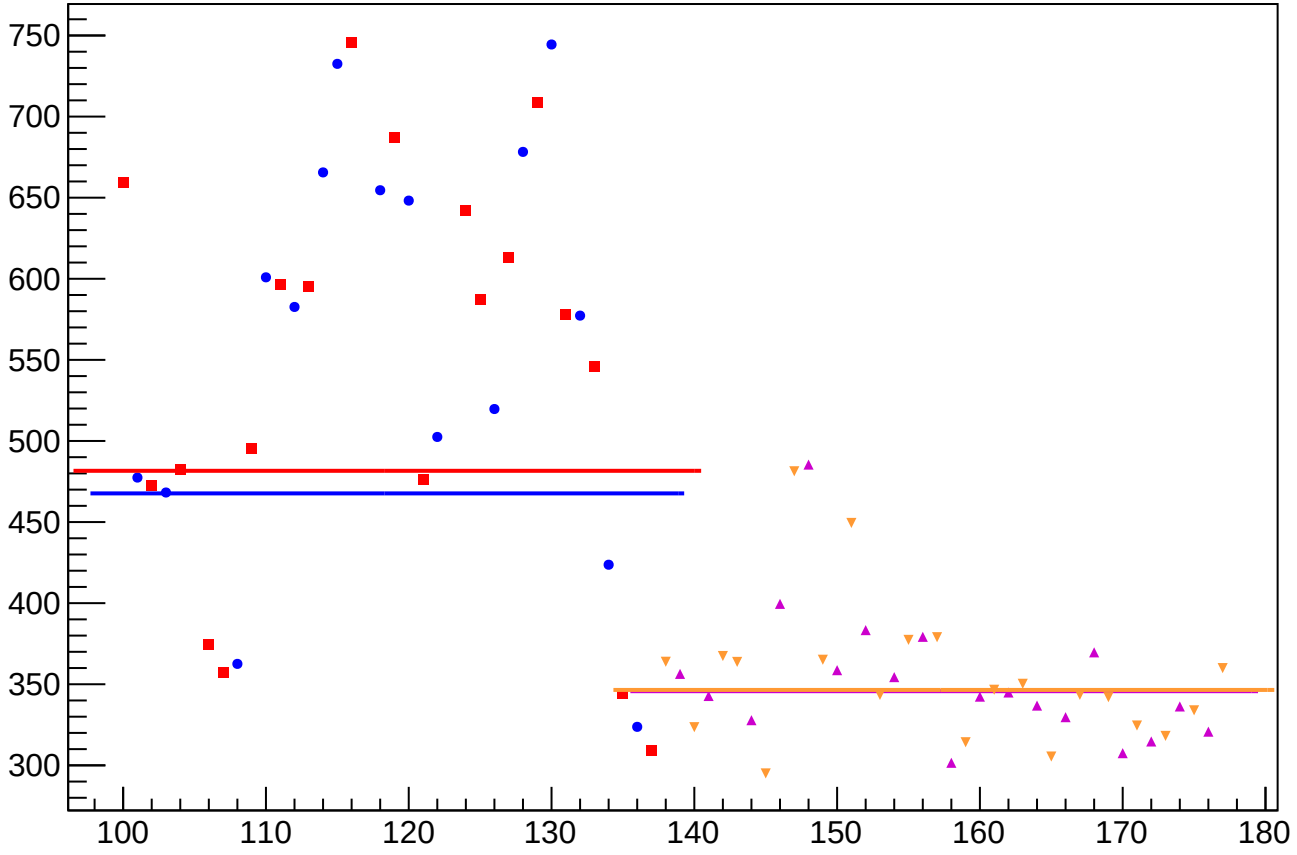
Left In: -32.893+/-88.382 χ^2/NDF:31.7/18

+ sign -126.271+/-77.263 χ^2/NDF: 43.7/36

All: -74.687+/-55.396 χ^2/NDF: 91.8/74

- sign -20.119+/-79.467 χ^2/NDF: 47.2/37

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 346.497+/-0.060 χ^2/NDF:375066.1/20

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

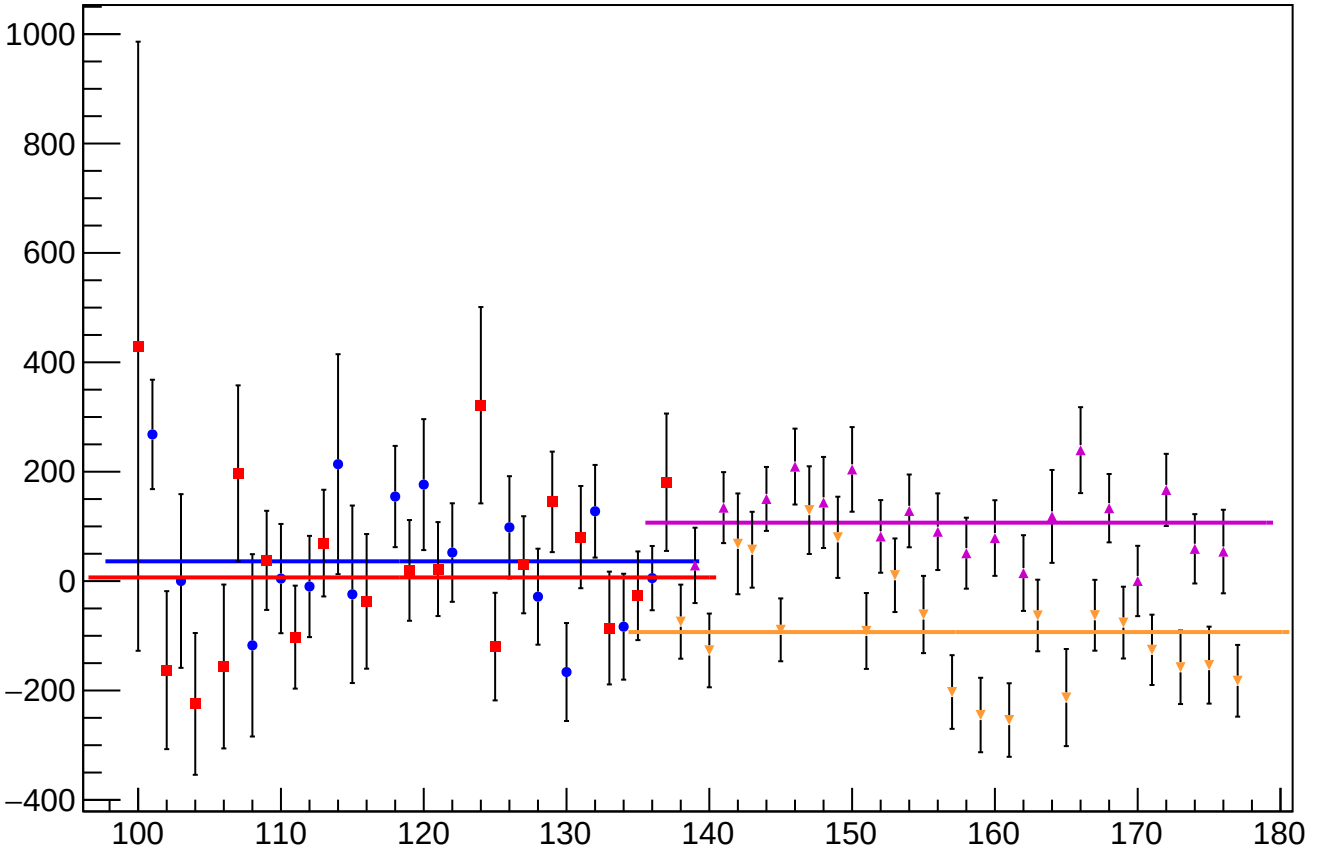
Left In: 345.722+/-0.062 χ^2/NDF:306989.0/18

+ sign 368.741+/-0.055 χ^2/NDF: 2098297.6/36

All: 370.204+/-0.039 χ^2/NDF: 4166617.6/74

- sign 371.752+/-0.056 χ^2/NDF: 2066843.7/37

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -93.169+/-15.042 χ^2/NDF:43.3/20

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

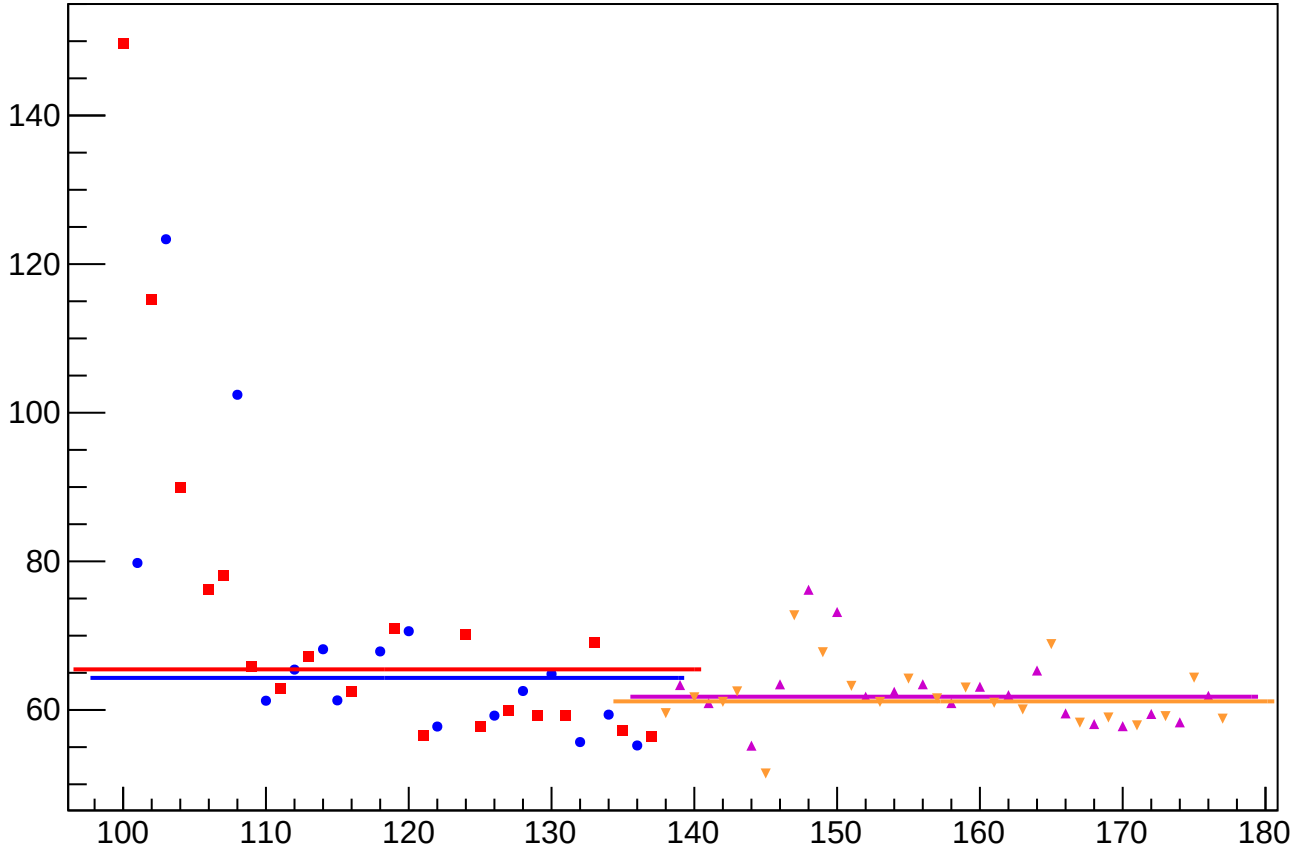
Left In: 106.835+/-15.772 χ^2/NDF:16.6/18

+ sign -57.706+/-12.815 χ^2/NDF: 83.2/36

All: 7.584+/-9.219 χ^2/NDF: 185.8/74

- sign 77.616+/-13.272 χ^2/NDF: 48.7/37

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.159+/-0.011 χ^2/NDF:158985.2/20

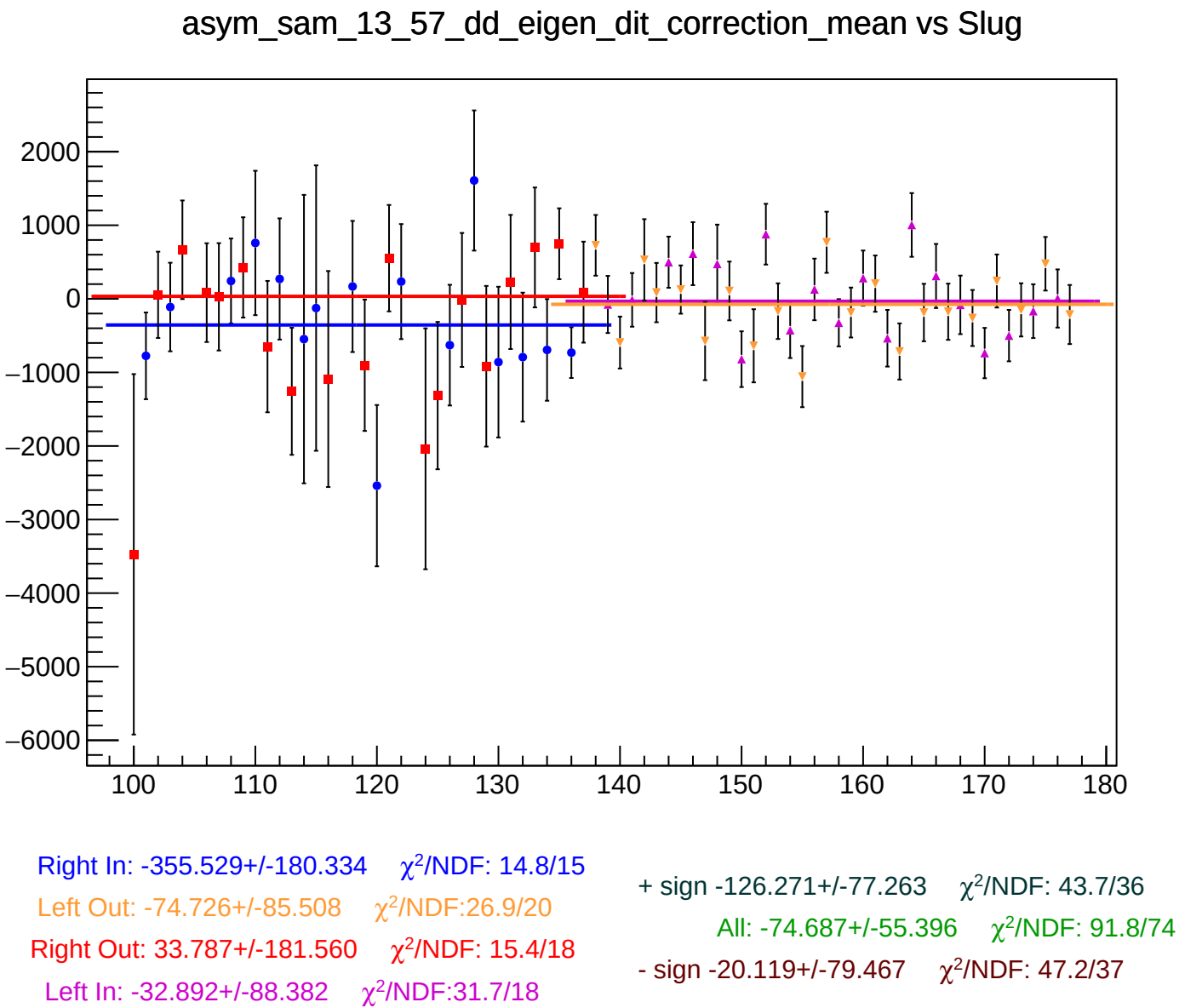
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 61.785+/-0.011 χ^2/NDF:161559.6/18

+ sign 62.025+/-0.009 χ^2/NDF: 715223.2/36

All: 62.428+/-0.007 χ^2/NDF: 1395040.0/74

- sign 62.860+/-0.009 χ^2/NDF: 675718.0/37



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -74.726+/-85.508 χ^2/NDF:26.9/20

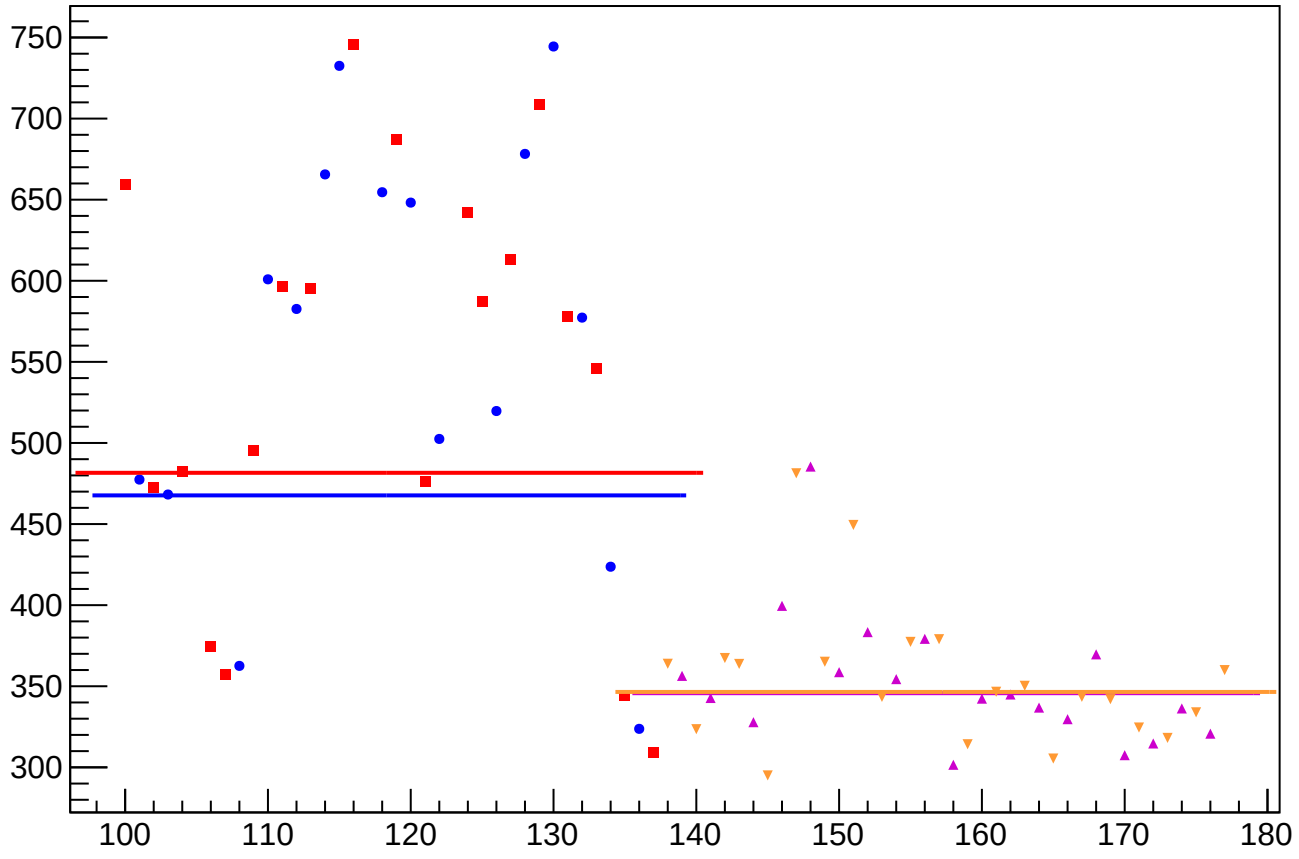
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -32.892+/-88.382 χ^2/NDF:31.7/18

+ sign -126.271+/-77.263 χ^2/NDF: 43.7/36

All: -74.687+/-55.396 χ^2/NDF: 91.8/74

- sign -20.119+/-79.467 χ^2/NDF: 47.2/37



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 346.497+/-0.060 χ^2/NDF:375065.2/20

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

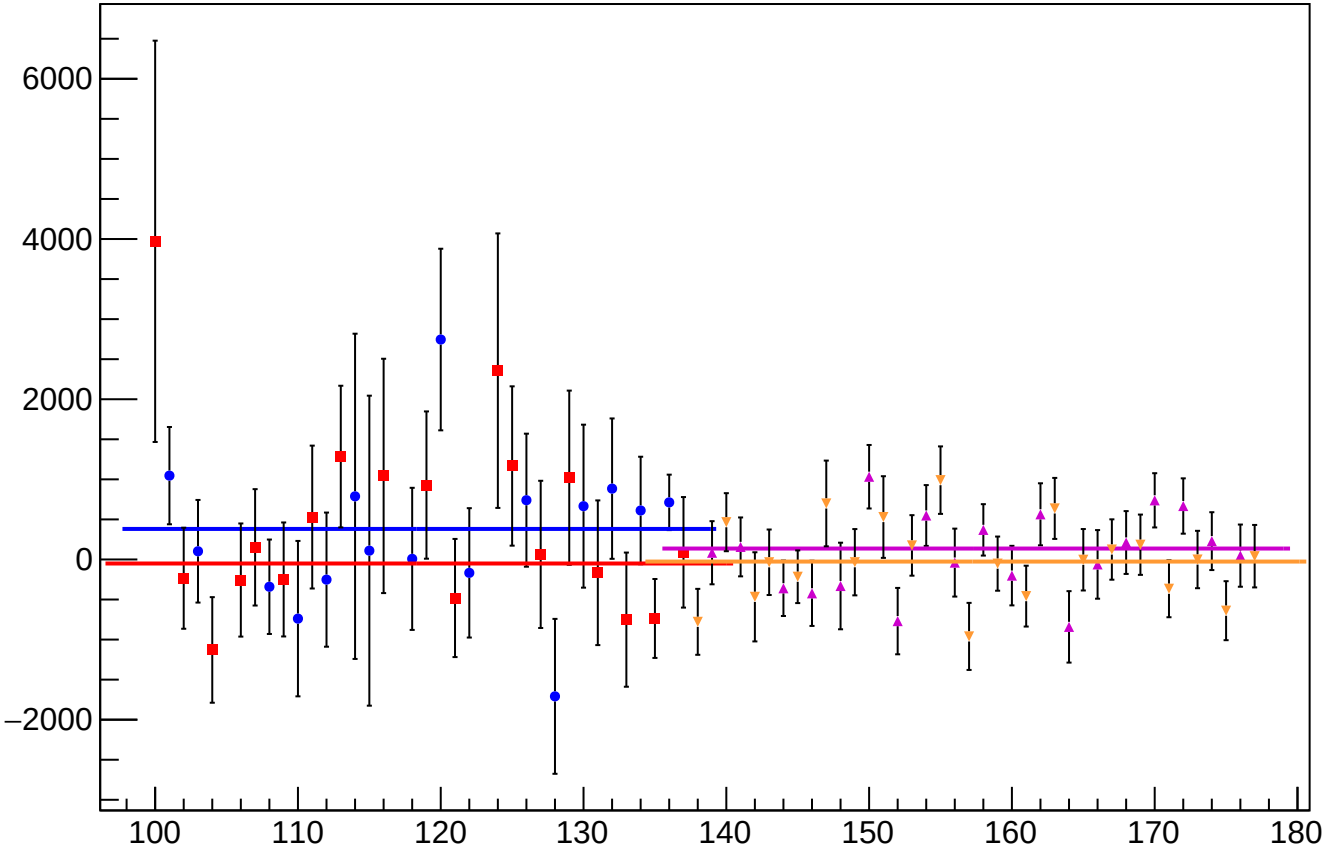
Left In: 345.722+/-0.062 χ^2/NDF:306990.1/18

+ sign 368.741+/-0.055 χ^2/NDF: 2098291.7/36

All: 370.204+/-0.039 χ^2/NDF: 4166603.1/74

- sign 371.752+/-0.056 χ^2/NDF: 2066835.2/37

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -26.227+/-85.537 χ^2/NDF:28.8/20

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

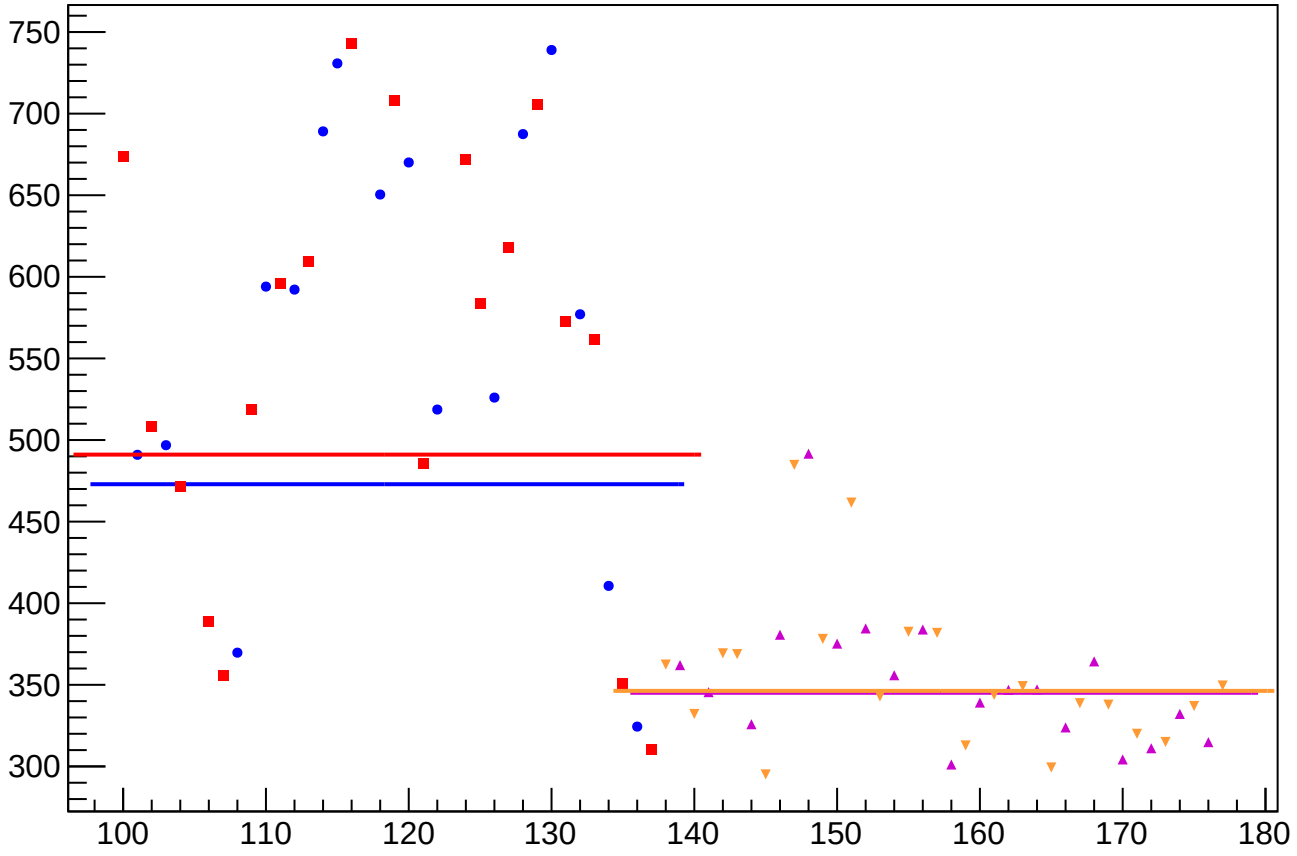
Left In: 136.291+/-88.267 χ^2/NDF:29.2/18

\+ sign 47.032+/-77.464 χ^2/NDF: 49.0/36

All: 73.620+/-55.544 χ^2/NDF: 96.8/74

\- sign 101.754+/-79.685 χ^2/NDF: 47.5/37

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 346.292+/-0.060 χ^2/NDF:420909.5/20

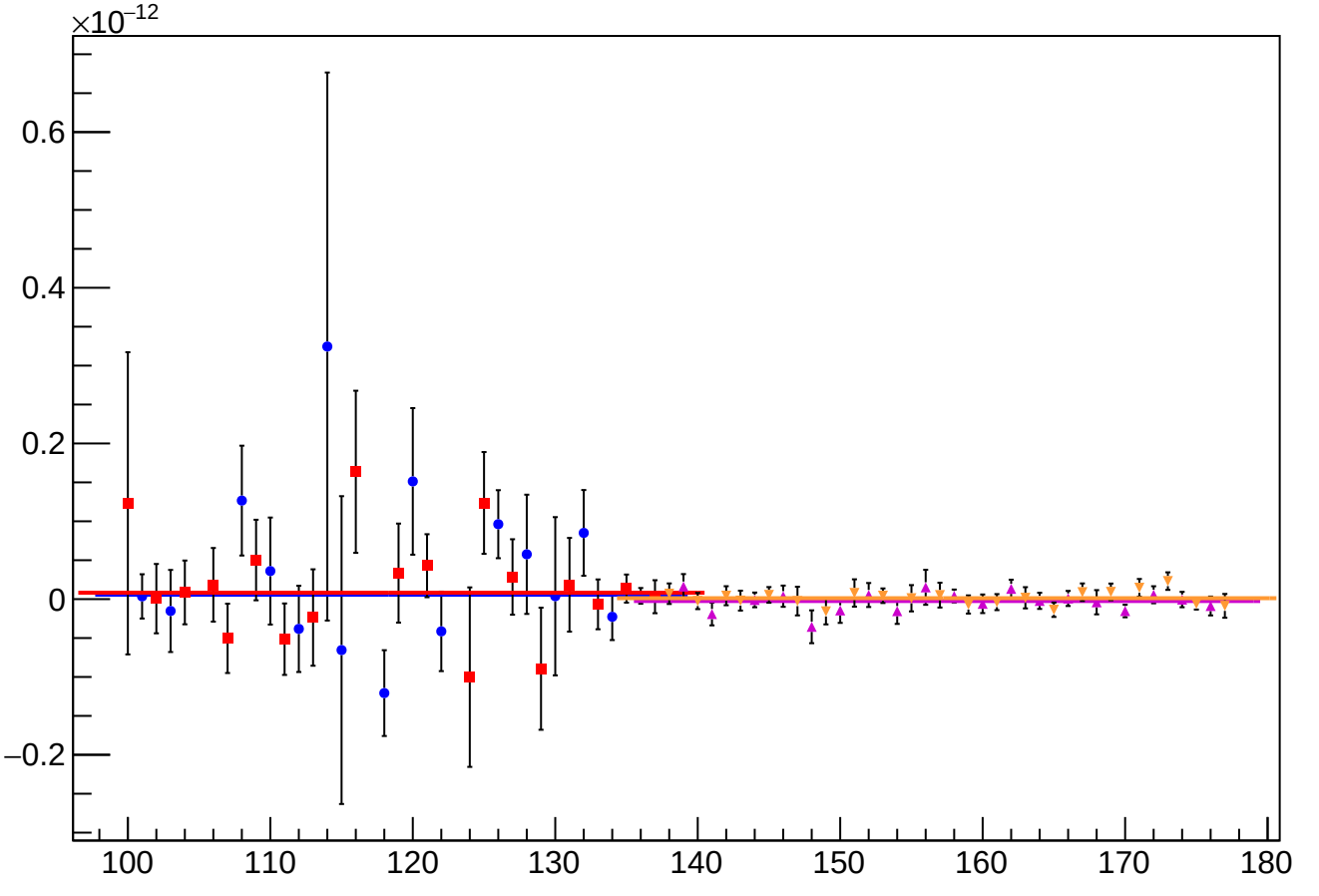
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 345.124+/-0.062 χ^2/NDF:331144.1/18

+ sign 369.068+/-0.055 χ^2/NDF: 2209582.2/36

All: 370.552+/-0.039 χ^2/NDF: 4401212.1/74

- sign 372.123+/-0.056 χ^2/NDF: 2190118.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

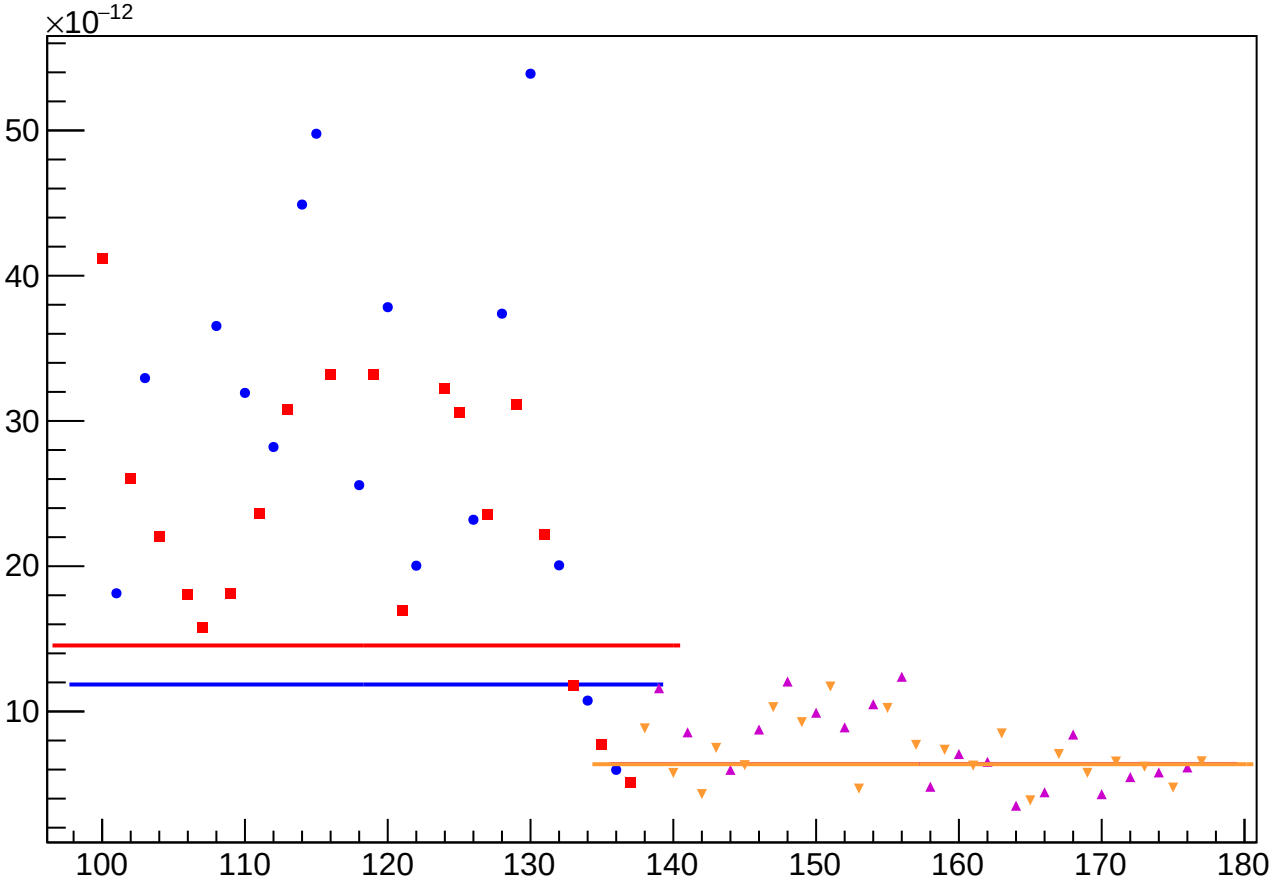
Left In: -0.000+/-0.000 χ^2/NDF:13.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 34.3/36

All: 0.000+/-0.000 χ^2/NDF: 63.7/74

- sign -0.000+/-0.000 χ^2/NDF: 28.6/37

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:987275.0/20

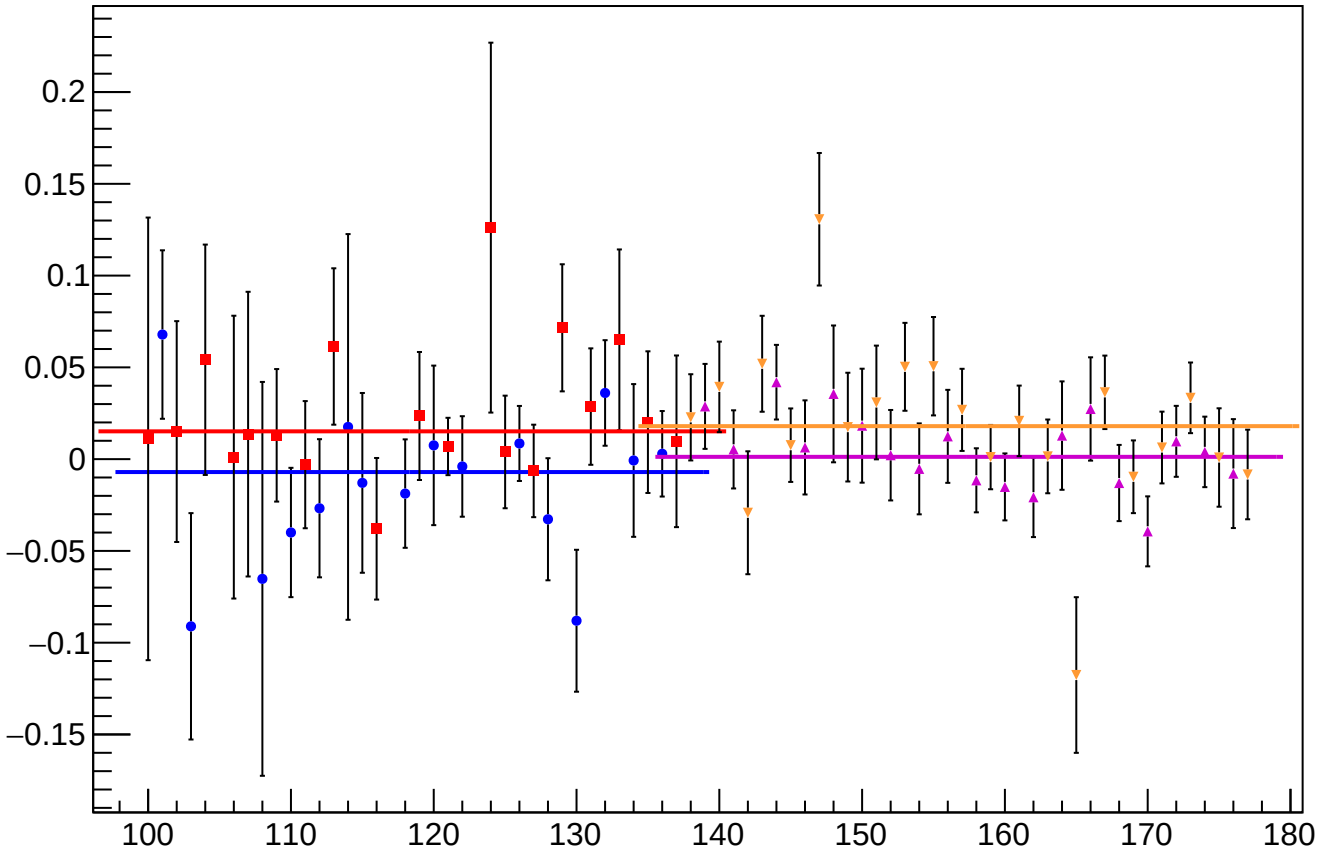
Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1384181.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 4670324.2/36

All: 0.000+/-0.000 χ^2/NDF: 9248710.1/74

- sign 0.000+/-0.000 χ^2/NDF: 4573751.1/37



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:35.3/20

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

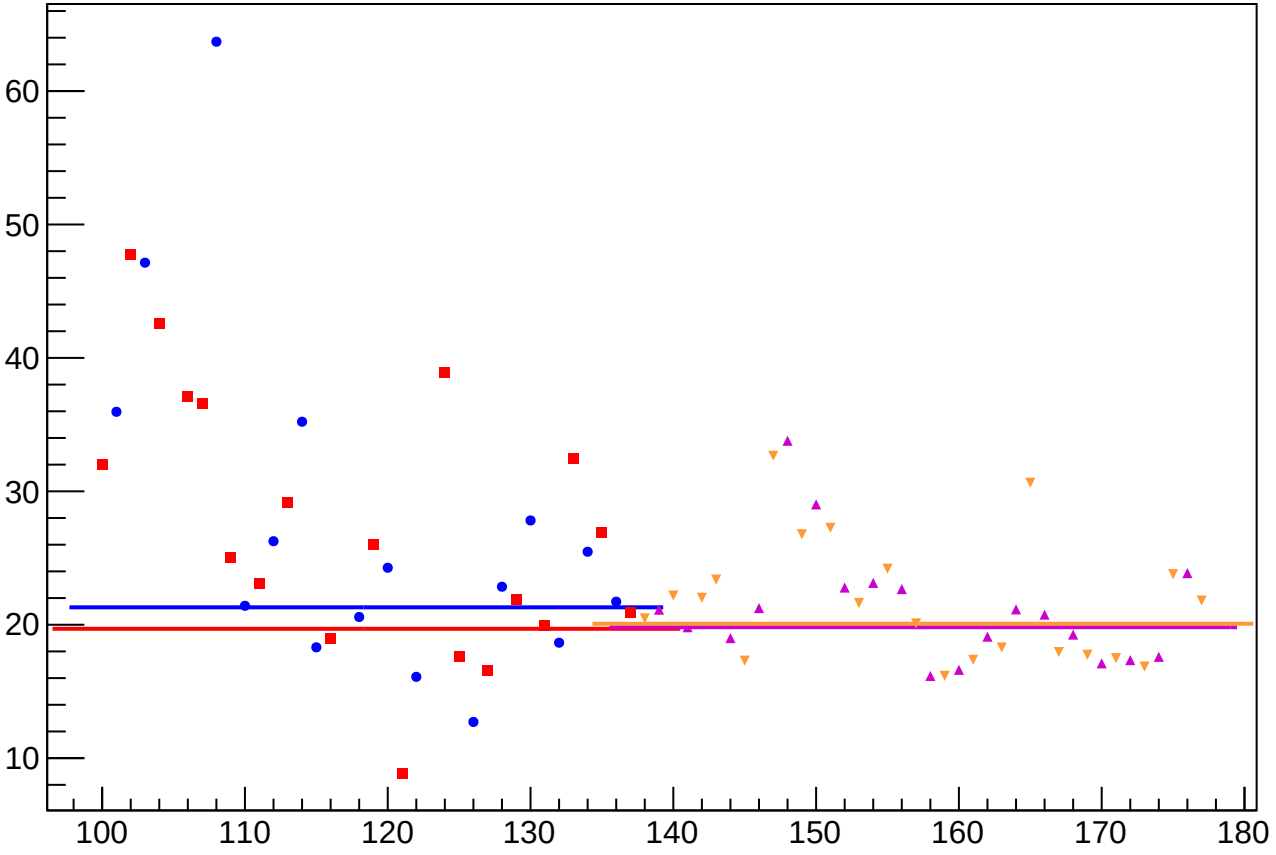
Left In: 0.001+/-0.005 χ^2/NDF:15.6/18

+ sign 0.012+/-0.004 χ^2/NDF: 55.9/36

All: 0.008+/-0.003 χ^2/NDF: 84.7/74

- sign 0.005+/-0.004 χ^2/NDF: 27.7/37

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: 20.075+/-0.004 χ^2/NDF:1069398.1/20

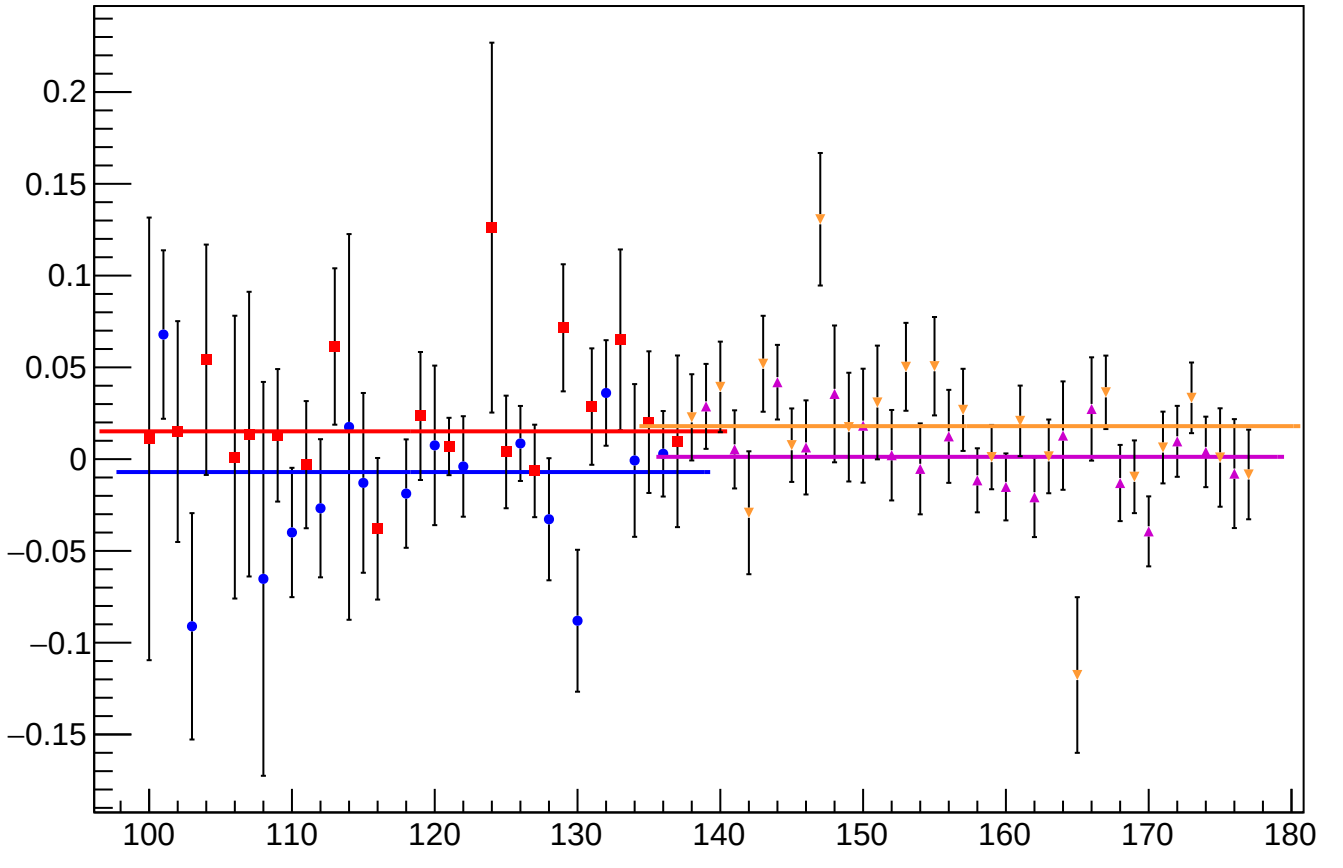
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.813+/-0.004 χ^2/NDF:859328.2/18

+ sign 20.392+/-0.003 χ^2/NDF: 2579010.8/36

All: 20.087+/-0.002 χ^2/NDF: 5897098.6/74

- sign 19.780+/-0.003 χ^2/NDF: 3298591.8/37



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:35.3/20

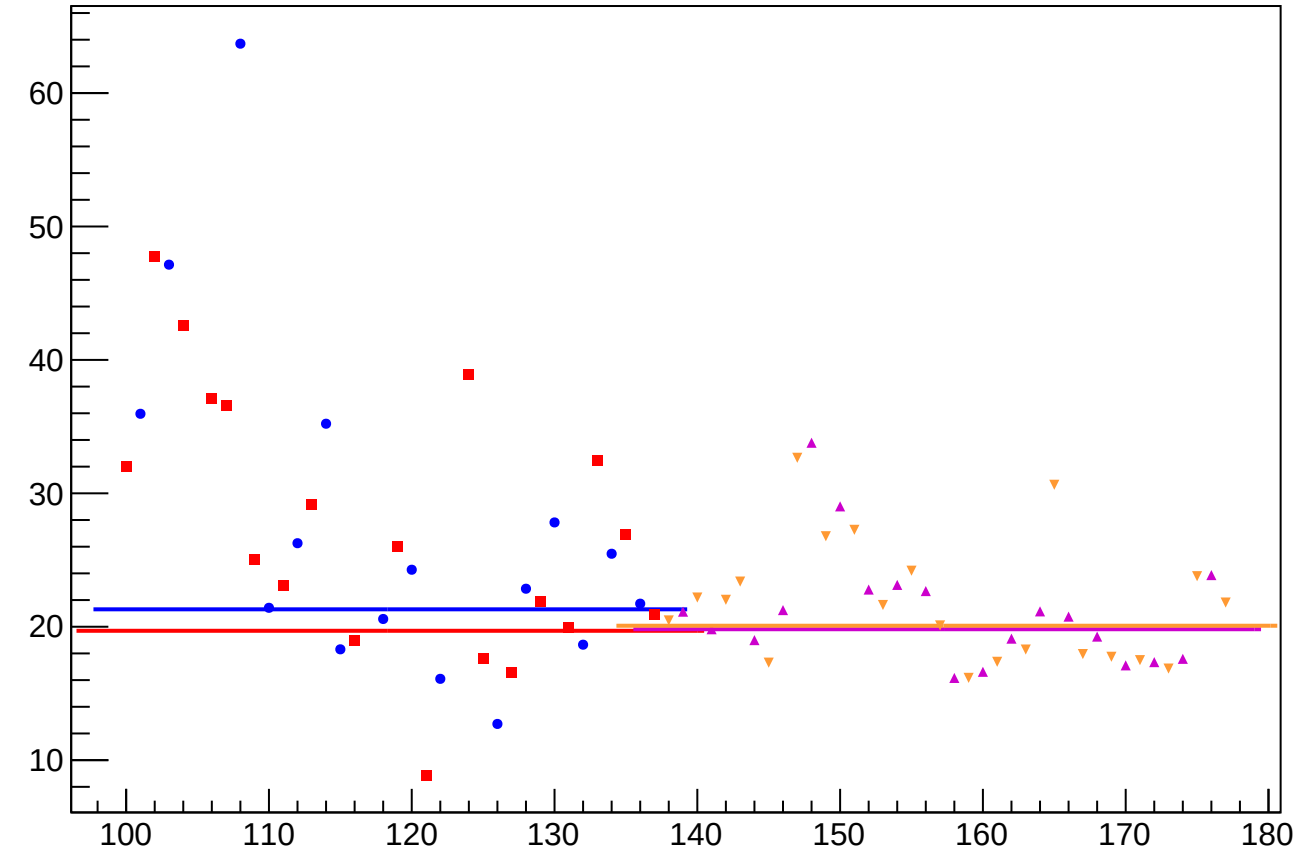
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:15.6/18

+ sign 0.012+/-0.004 χ^2/NDF: 55.9/36

All: 0.008+/-0.003 χ^2/NDF: 84.7/74

- sign 0.005+/-0.004 χ^2/NDF: 27.7/37



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.075+/-0.004 χ^2/NDF:1069398.1/20

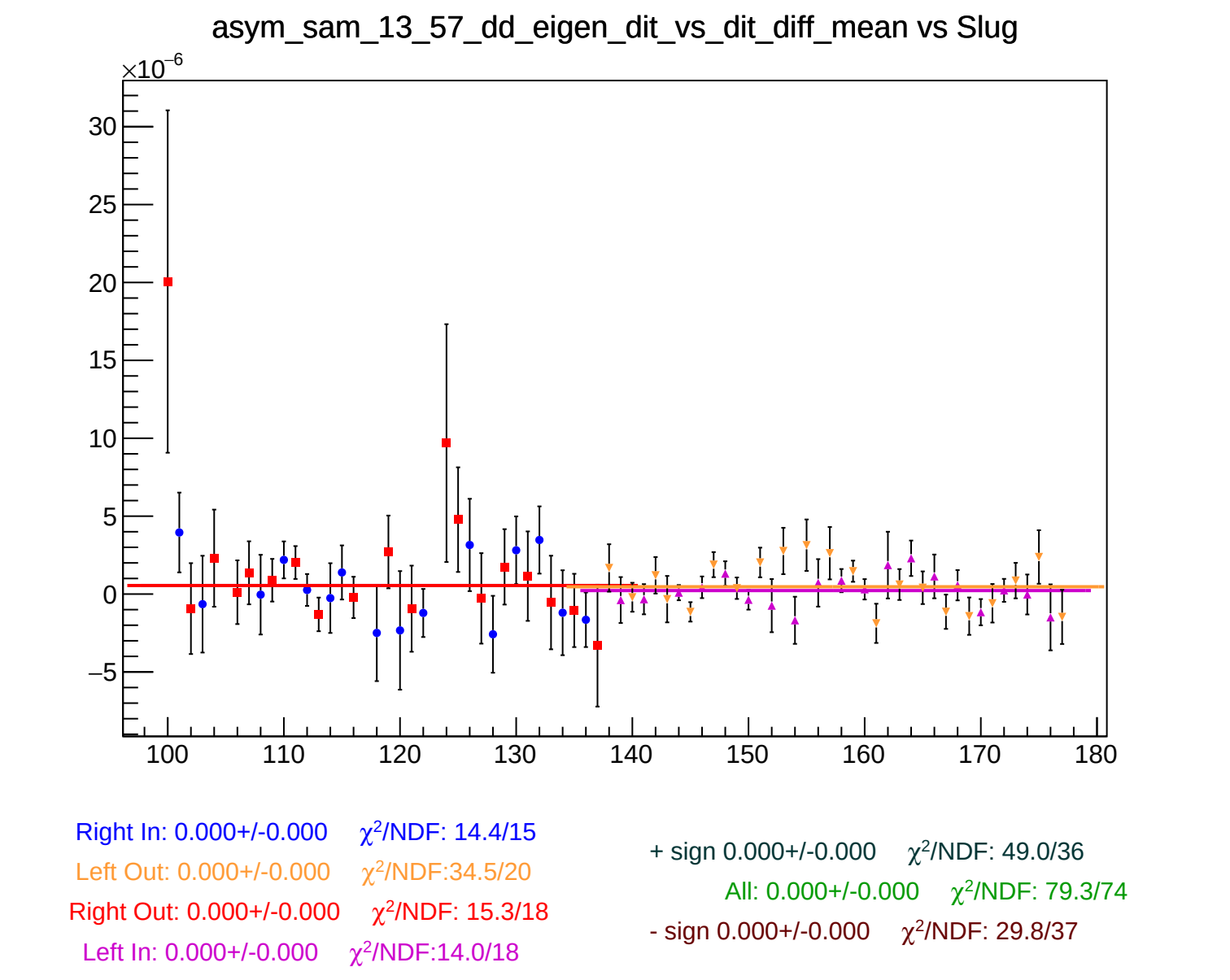
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.813+/-0.004 χ^2/NDF:859328.2/18

+ sign 20.392+/-0.003 χ^2/NDF: 2579010.8/36

All: 20.087+/-0.002 χ^2/NDF: 5897098.6/74

- sign 19.780+/-0.003 χ^2/NDF: 3298591.8/37


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
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−5
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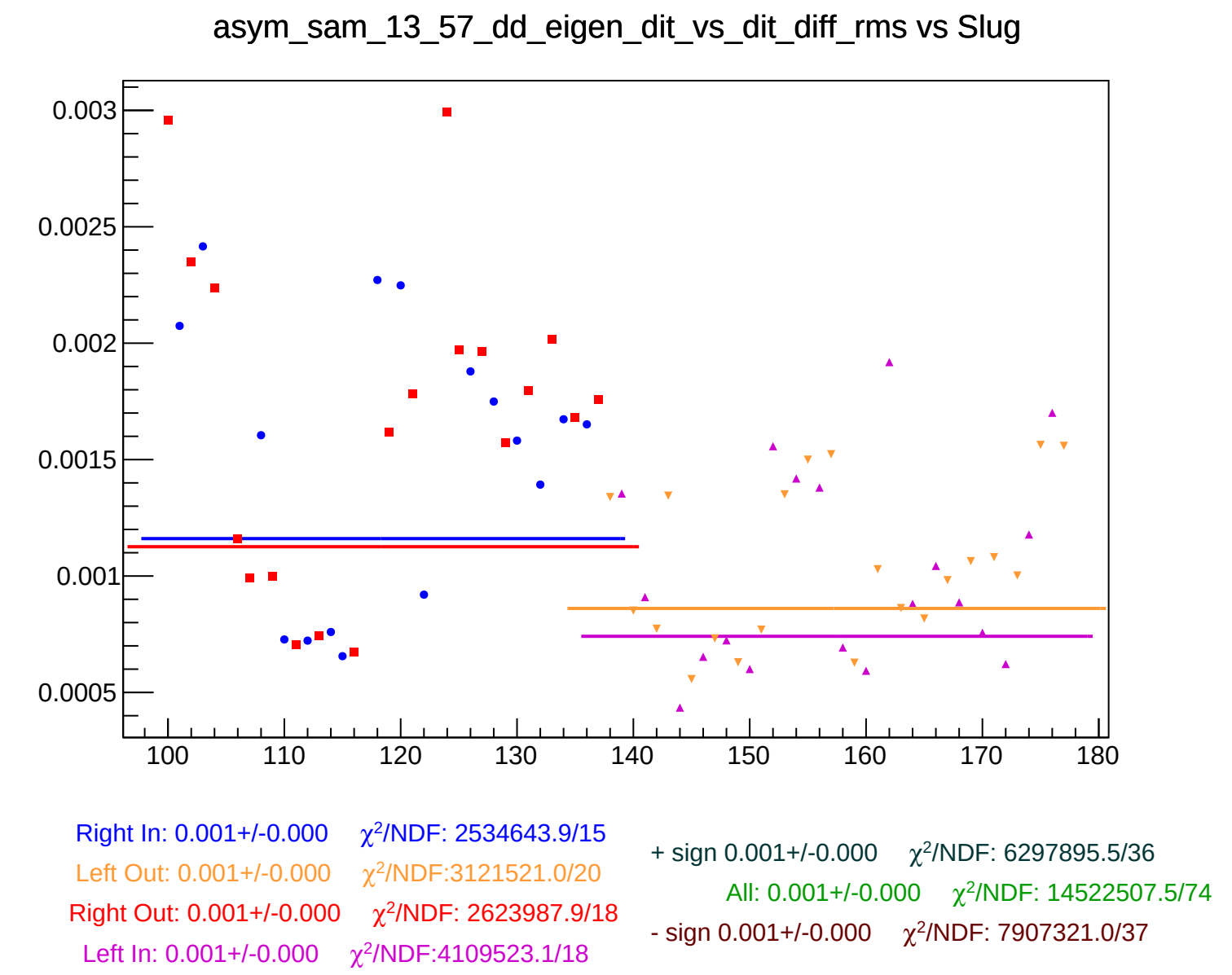
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:34.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 15.3/18
Left In: 0.000+/-0.000 χ²/NDF:14.0/18
+ sign 0.000+/-0.000 χ²/NDF: 49.0/36
All: 0.000+/-0.000 χ²/NDF: 79.3/74
- sign 0.000+/-0.000 χ²/NDF: 29.8/37


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
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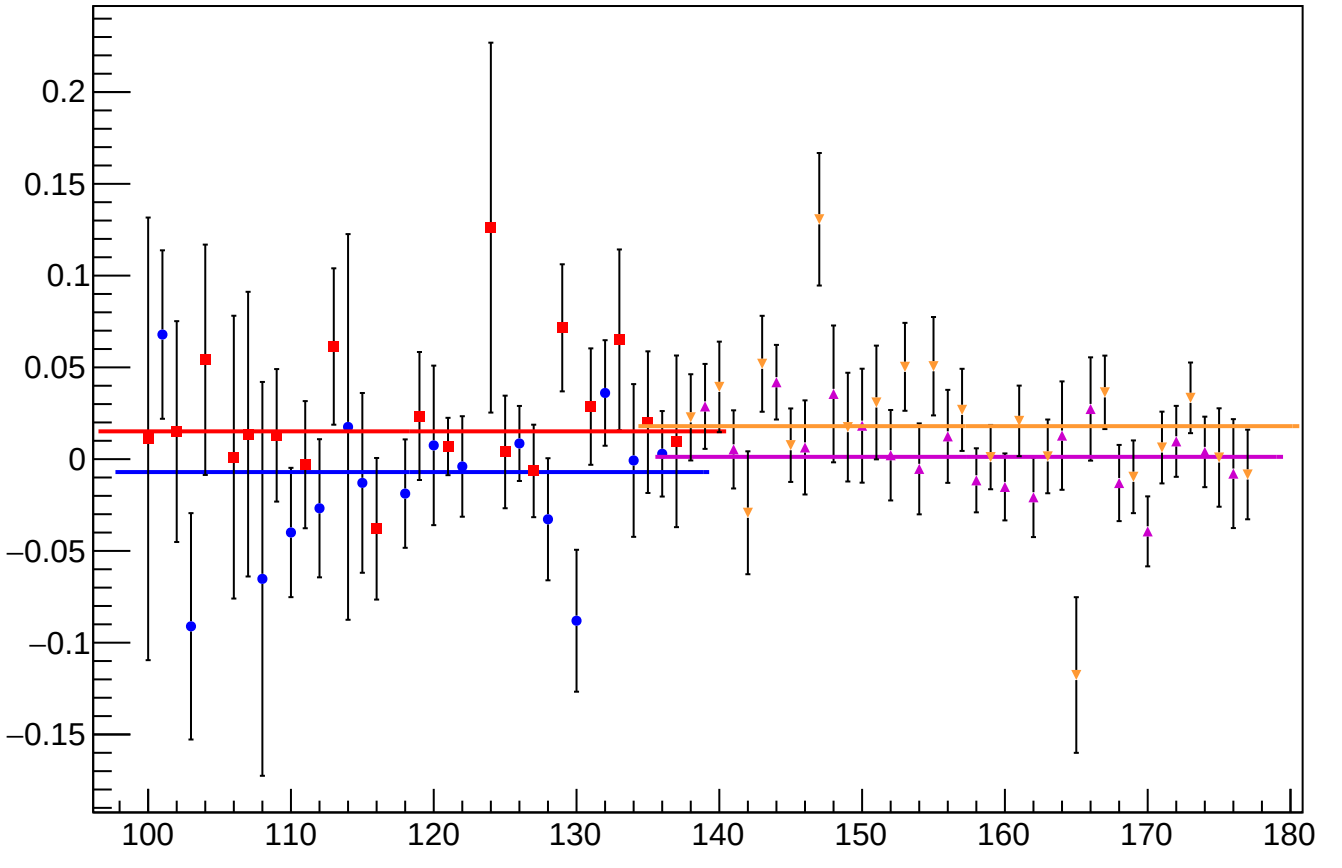
180
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:3121521.0/20
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:4109523.1/18
+ sign 0.001+/-0.000 χ²/NDF: 6297895.5/36
All: 0.001+/-0.000 χ²/NDF: 14522507.5/74
- sign 0.001+/-0.000 χ²/NDF: 7907321.0/37



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:35.3/20

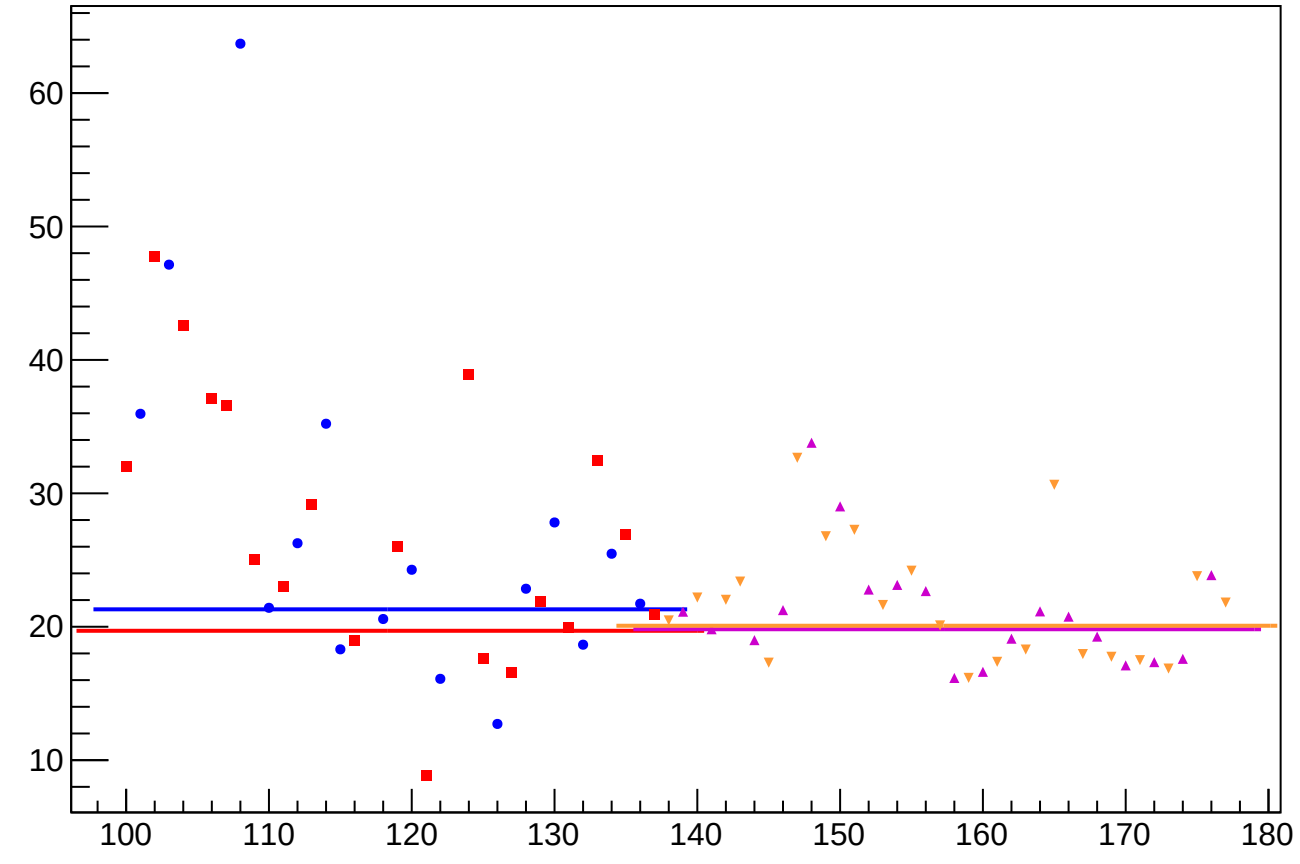
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:15.6/18

+ sign 0.012+/-0.004 χ^2/NDF: 55.9/36

All: 0.008+/-0.003 χ^2/NDF: 84.7/74

- sign 0.005+/-0.004 χ^2/NDF: 27.7/37



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.075+/-0.004 χ^2/NDF:1069509.5/20

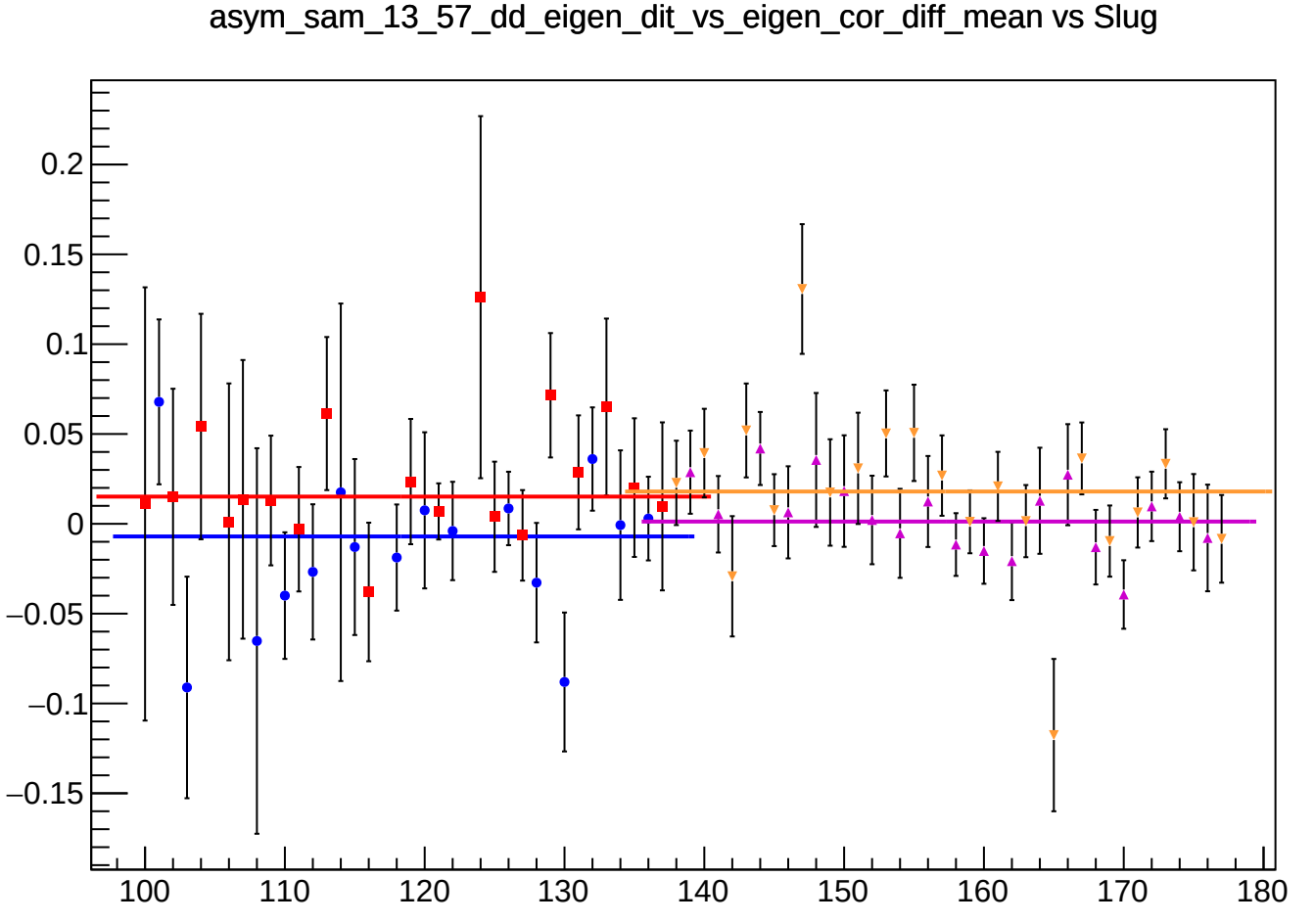
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.813+/-0.004 χ^2/NDF:859378.7/18

+ sign 20.392+/-0.003 χ^2/NDF: 2578971.7/36

All: 20.087+/-0.002 χ^2/NDF: 5896728.8/74

- sign 19.780+/-0.003 χ^2/NDF: 3298272.4/37



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:35.3/20

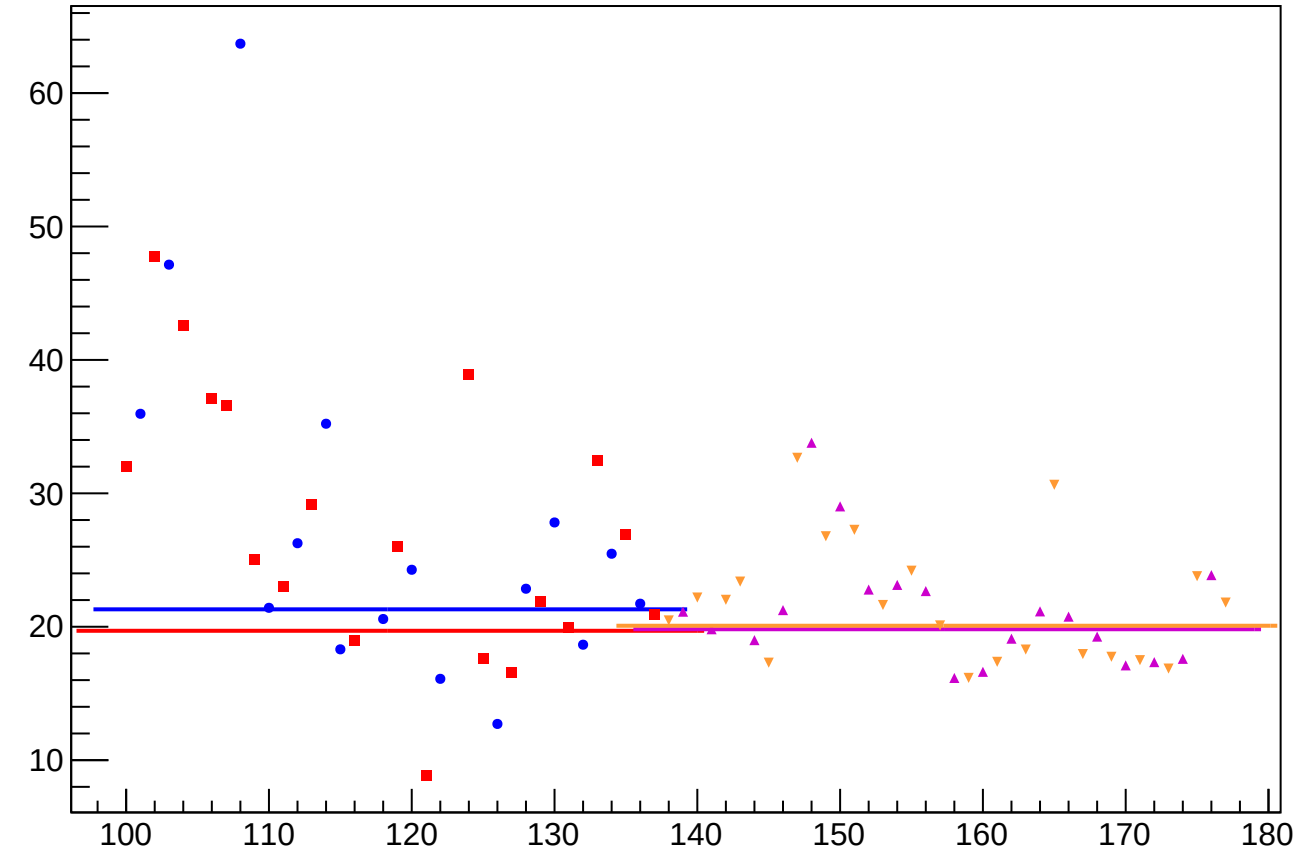
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.005 χ^2/NDF:15.6/18

+ sign 0.012+/-0.004 χ^2/NDF: 55.9/36

All: 0.008+/-0.003 χ^2/NDF: 84.7/74

- sign 0.005+/-0.004 χ^2/NDF: 27.7/37



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.075+/-0.004 χ^2/NDF:1069509.5/20

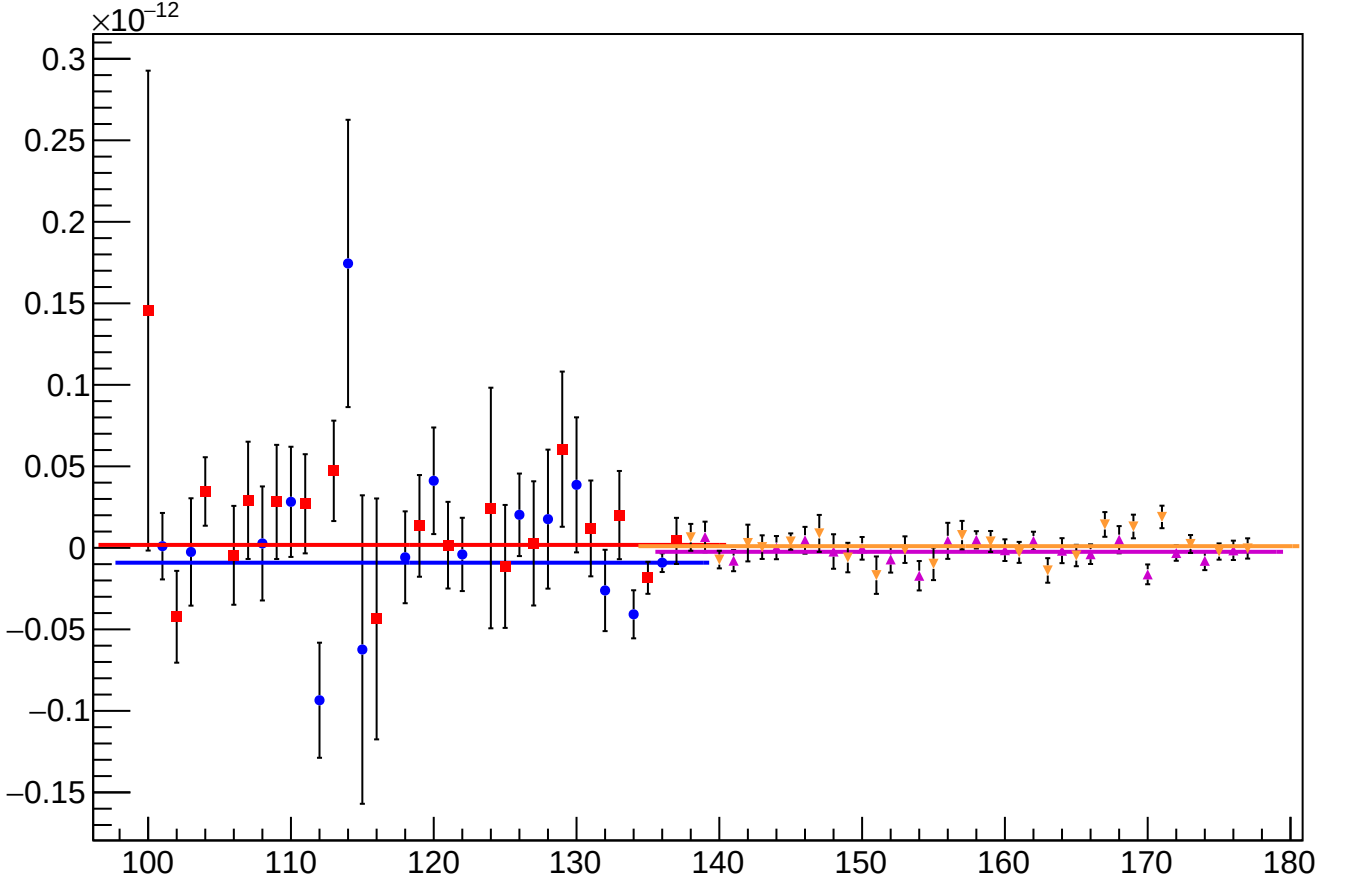
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.813+/-0.004 χ^2/NDF:859378.7/18

+ sign 20.392+/-0.003 χ^2/NDF: 2578971.7/36

All: 20.087+/-0.002 χ^2/NDF: 5896728.8/74

- sign 19.780+/-0.003 χ^2/NDF: 3298272.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/20

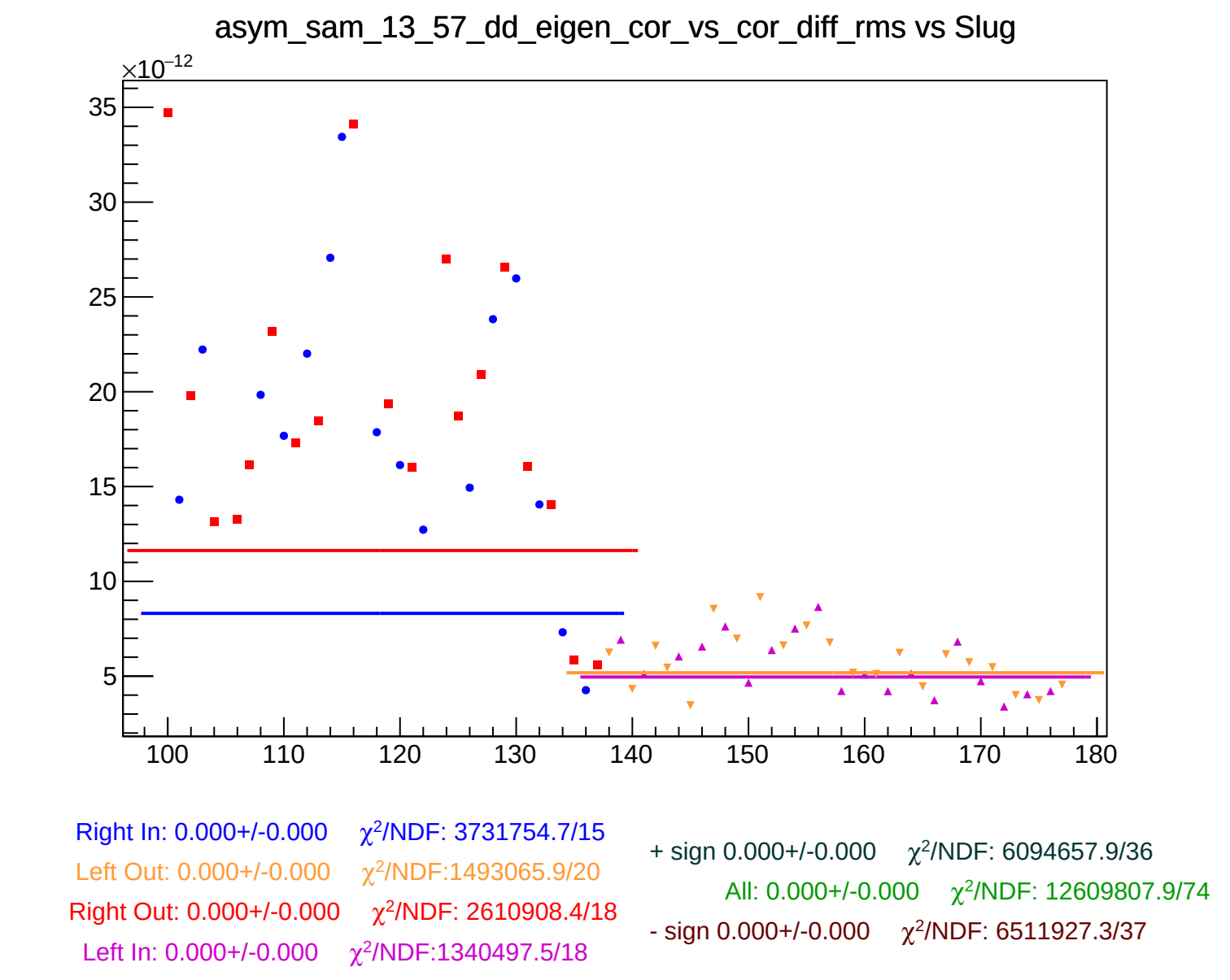
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 53.9/36

All: -0.000+/-0.000 χ^2/NDF: 88.7/74

- sign -0.000+/-0.000 χ^2/NDF: 33.7/37


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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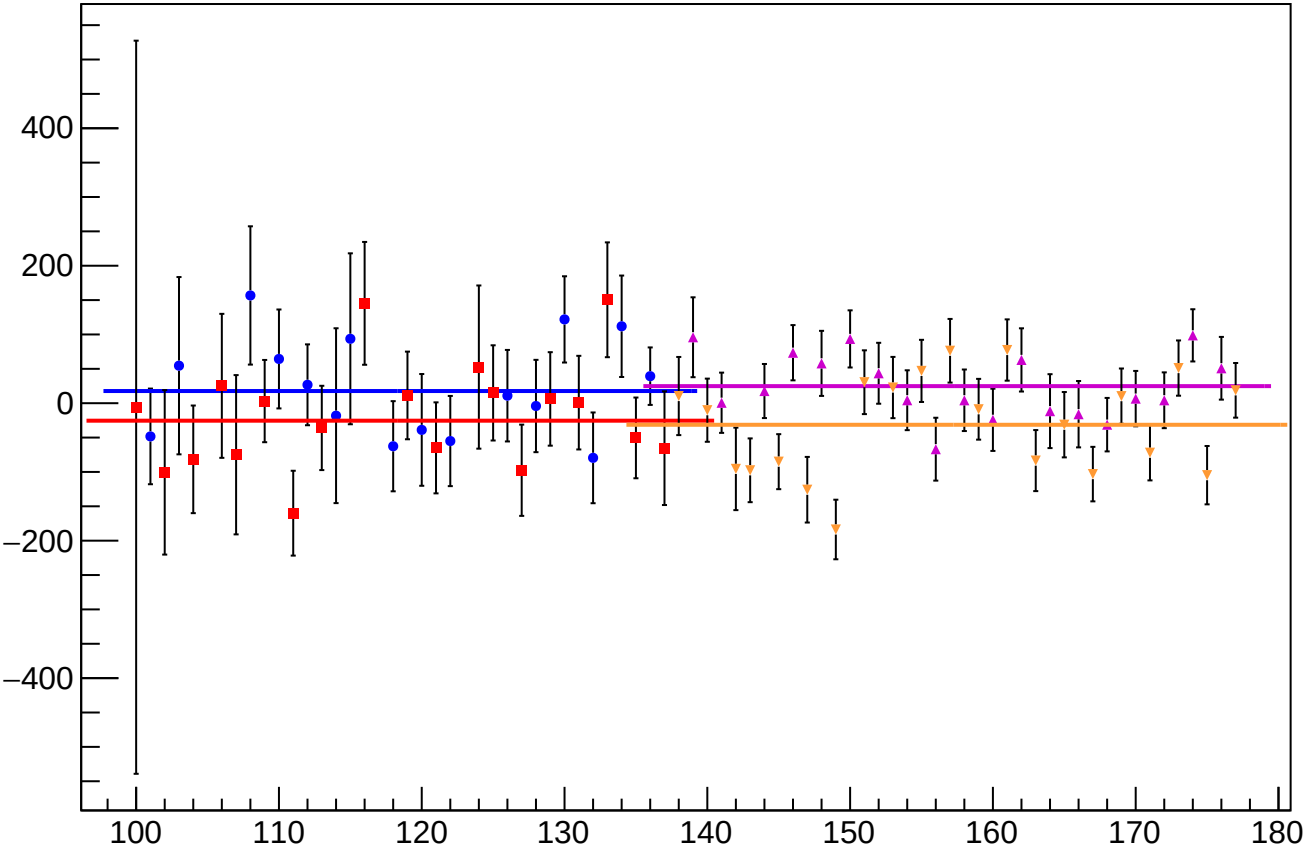
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1493065.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1340497.5/18
+ sign 0.000+/-0.000 χ²/NDF: 6094657.9/36
All: 0.000+/-0.000 χ²/NDF: 12609807.9/74
- sign 0.000+/-0.000 χ²/NDF: 6511927.3/37

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.397+/-9.673 χ^2/NDF:55.4/20

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

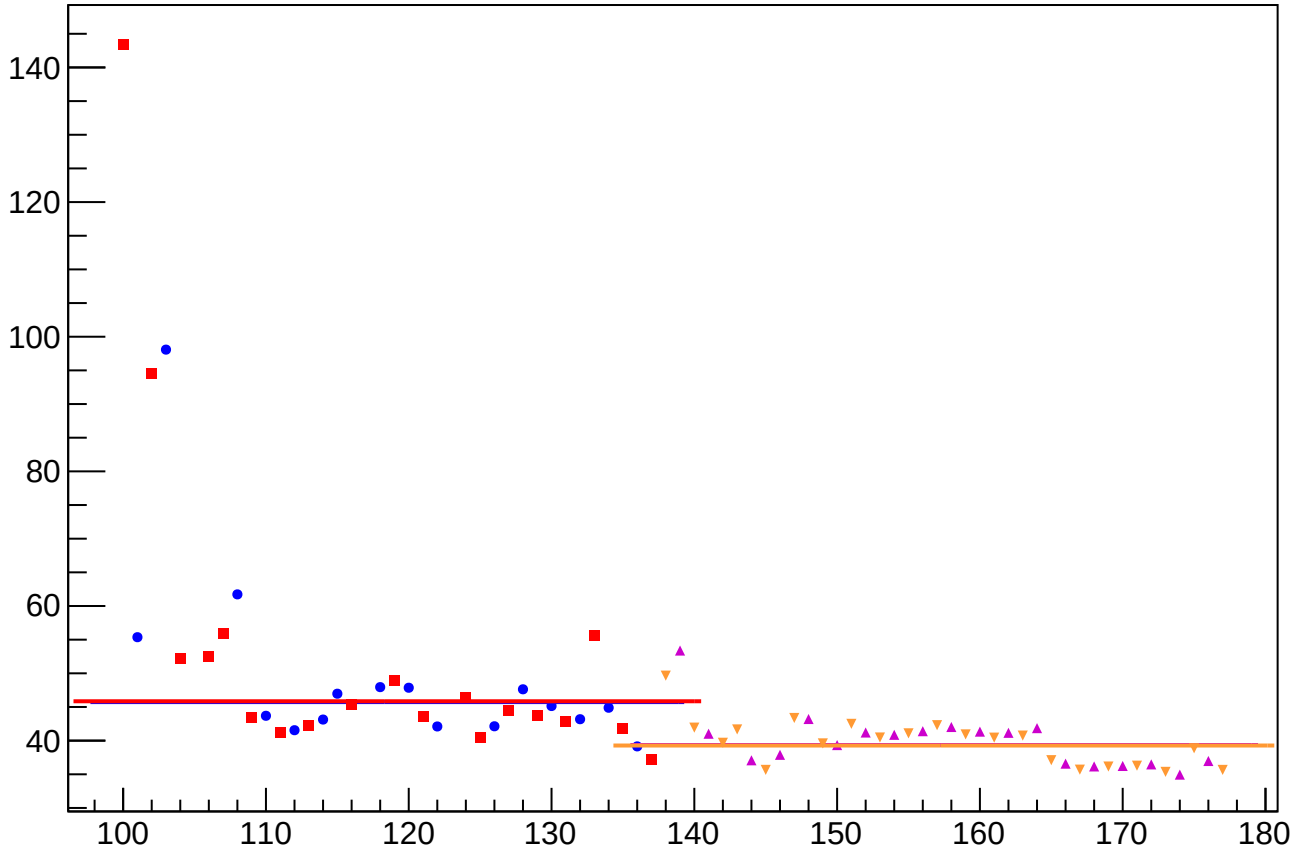
Left In: 24.840+/-10.043 χ^2/NDF:20.8/18

+ sign -19.877+/-8.463 χ^2/NDF: 75.4/36

All: -4.261+/-6.063 χ^2/NDF: 127.4/74

- sign 12.206+/-8.690 χ^2/NDF: 45.0/37

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.276+/-0.007 χ^2/NDF:218500.1/20

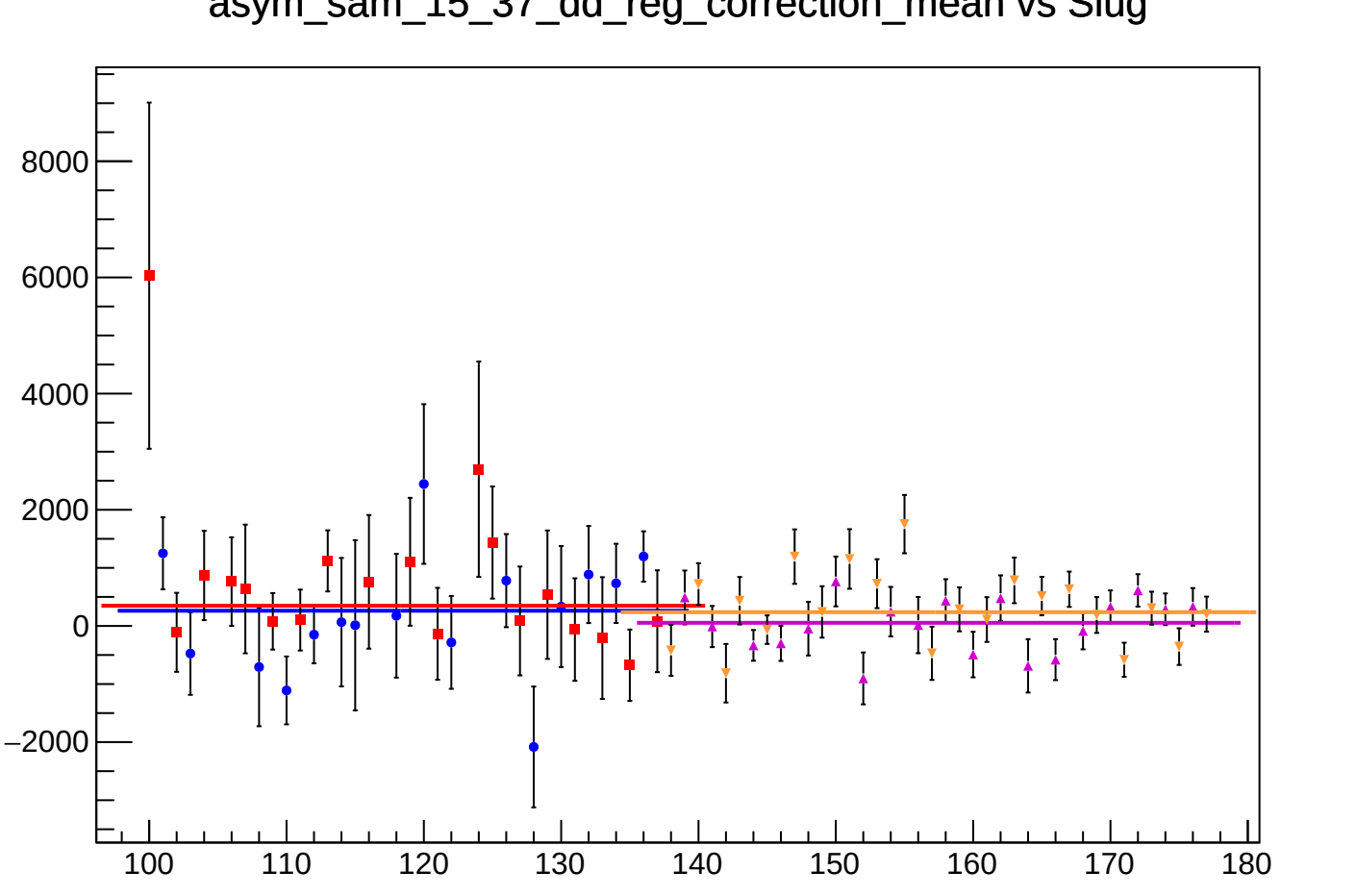
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

+ sign 40.789+/-0.006 χ^2/NDF: 928680.2/36

All: 40.884+/-0.004 χ^2/NDF: 1924509.4/74

- sign 40.984+/-0.006 χ^2/NDF: 995315.8/37



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 237.212+/-78.338 χ^2/NDF:46.2/20

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

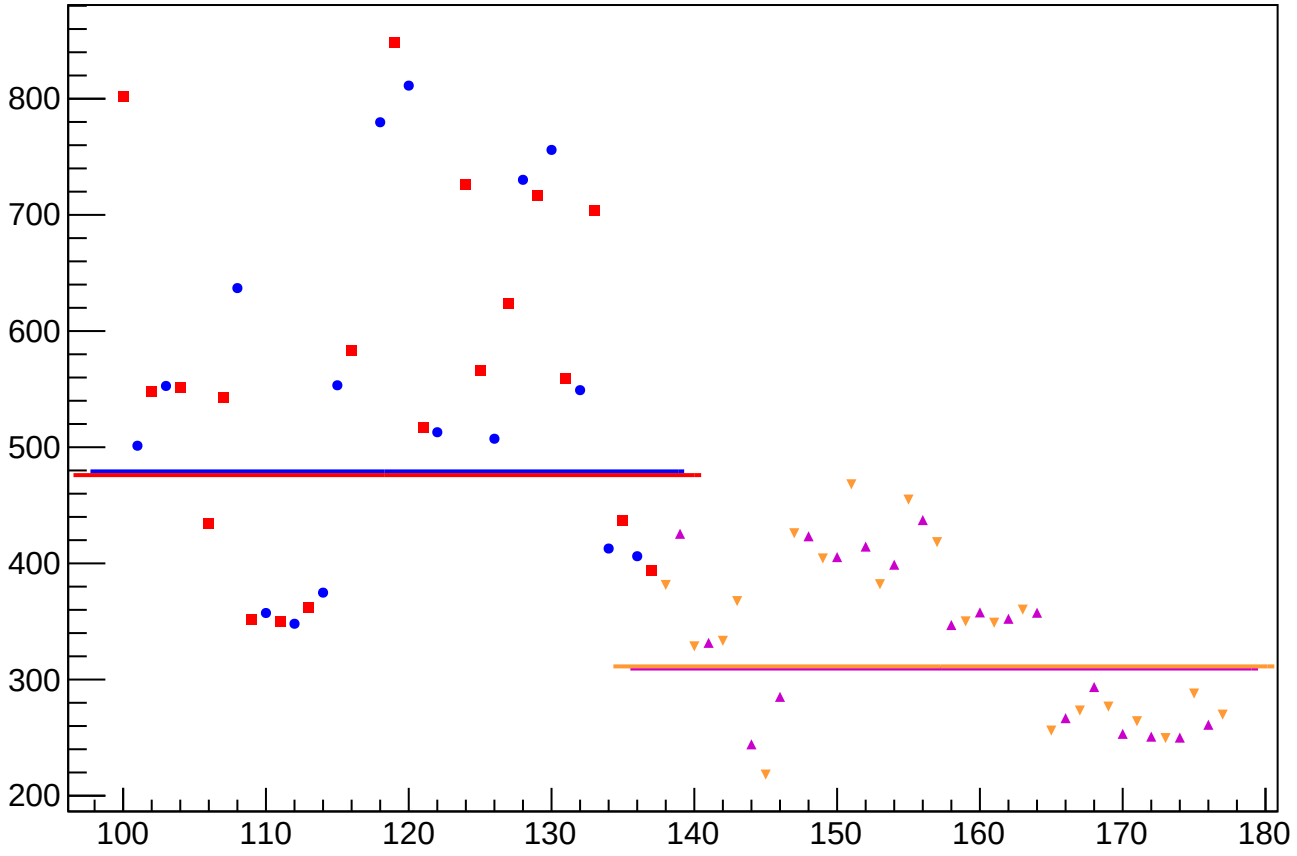
Left In: 54.307+/-80.509 χ^2/NDF:28.6/18

+ sign 240.965+/-72.150 χ^2/NDF: 71.2/36

All: 173.334+/-51.502 χ^2/NDF: 118.8/74

- sign 103.073+/-73.539 χ^2/NDF: 45.8/37

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 311.320+/-0.055 χ^2/NDF:1486466.9/20

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

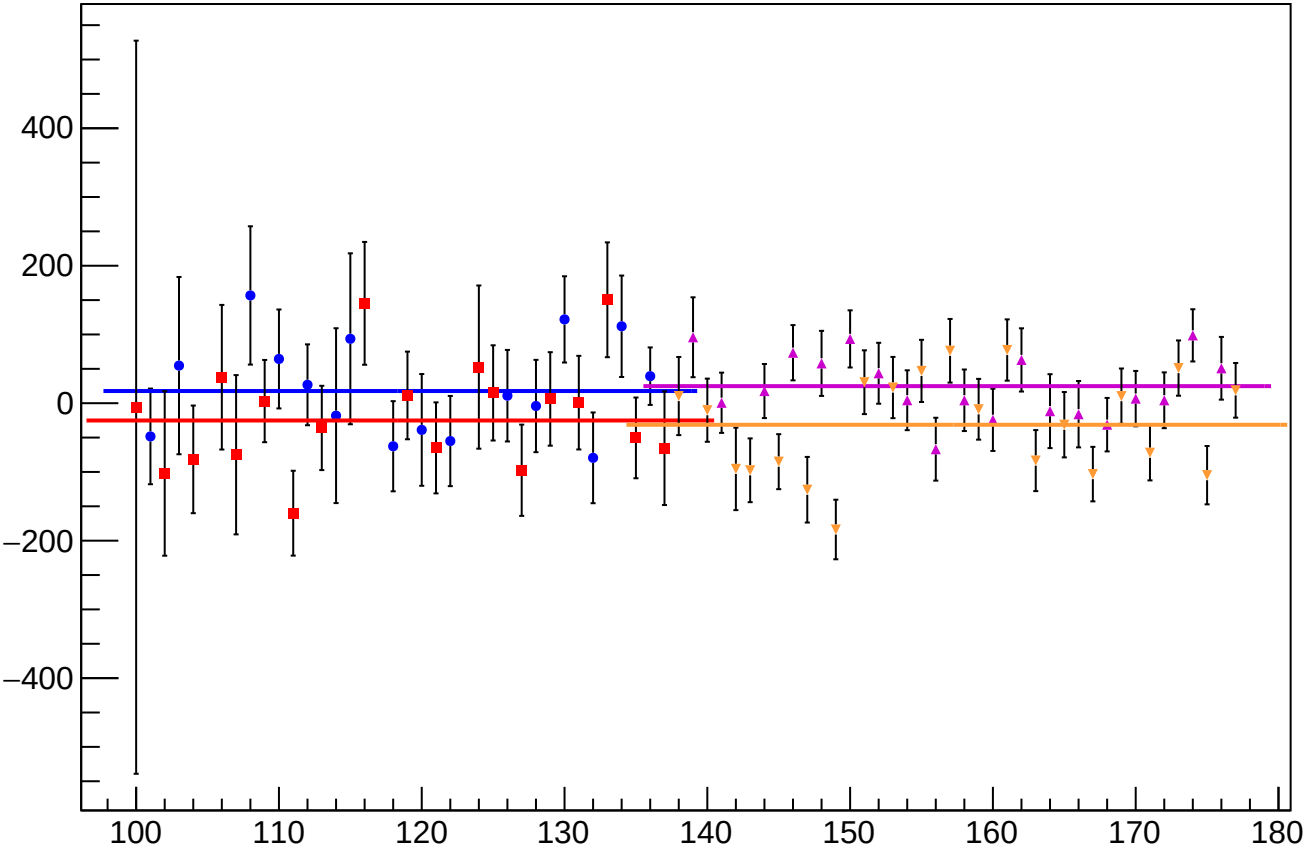
Left In: 309.482+/-0.057 χ^2/NDF:1266066.6/18

+ sign 336.793+/-0.051 χ^2/NDF: 3832639.4/36

All: 336.927+/-0.036 χ^2/NDF: 7522379.5/74

- sign 337.066+/-0.052 χ^2/NDF: 3689726.1/37

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.398+/-9.673 χ^2/NDF:55.4/20

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

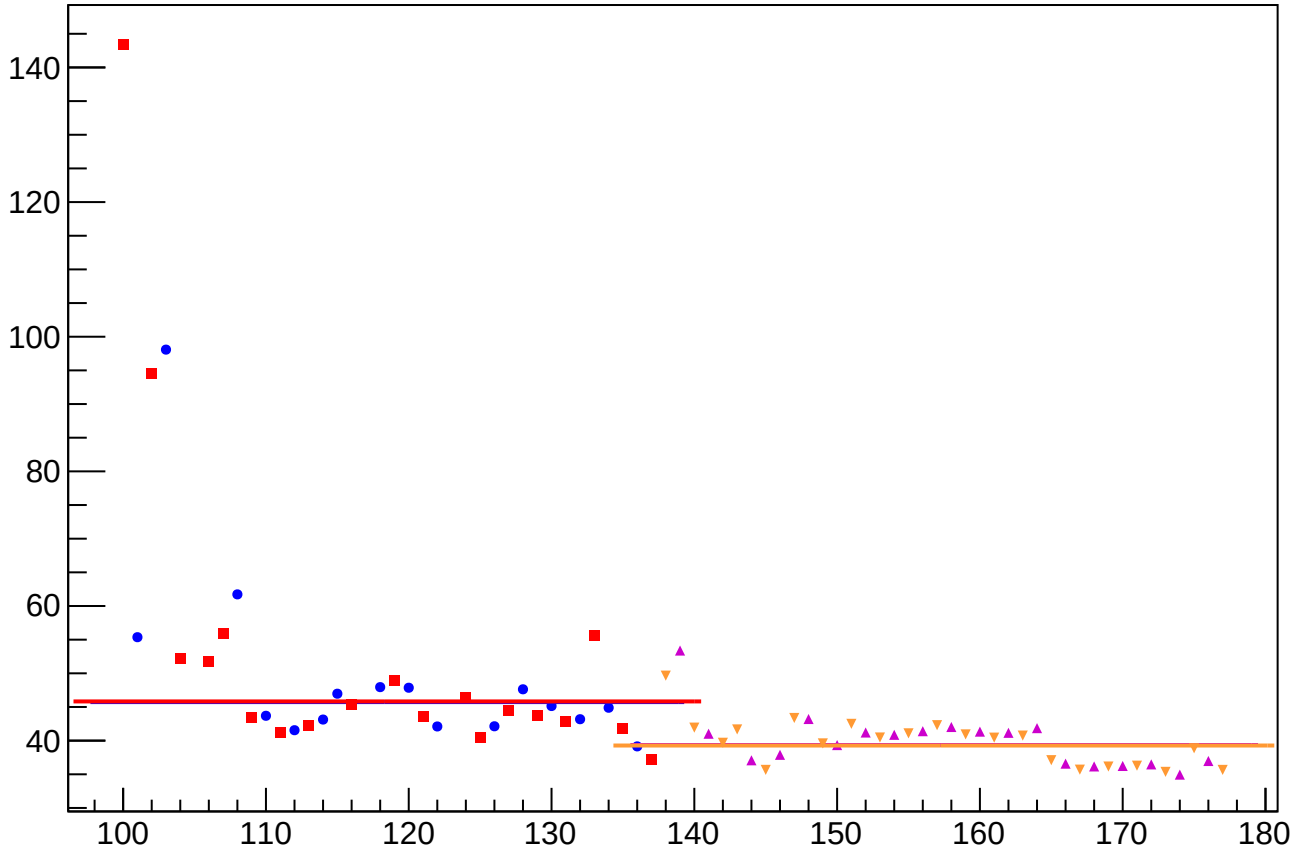
Left In: 24.839+/-10.043 χ^2/NDF:20.8/18

+ sign -19.876+/-8.463 χ^2/NDF: 75.4/36

All: -4.224+/-6.063 χ^2/NDF: 127.5/74

- sign 12.282+/-8.691 χ^2/NDF: 45.0/37

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.276+/-0.007 χ^2/NDF:218500.1/20

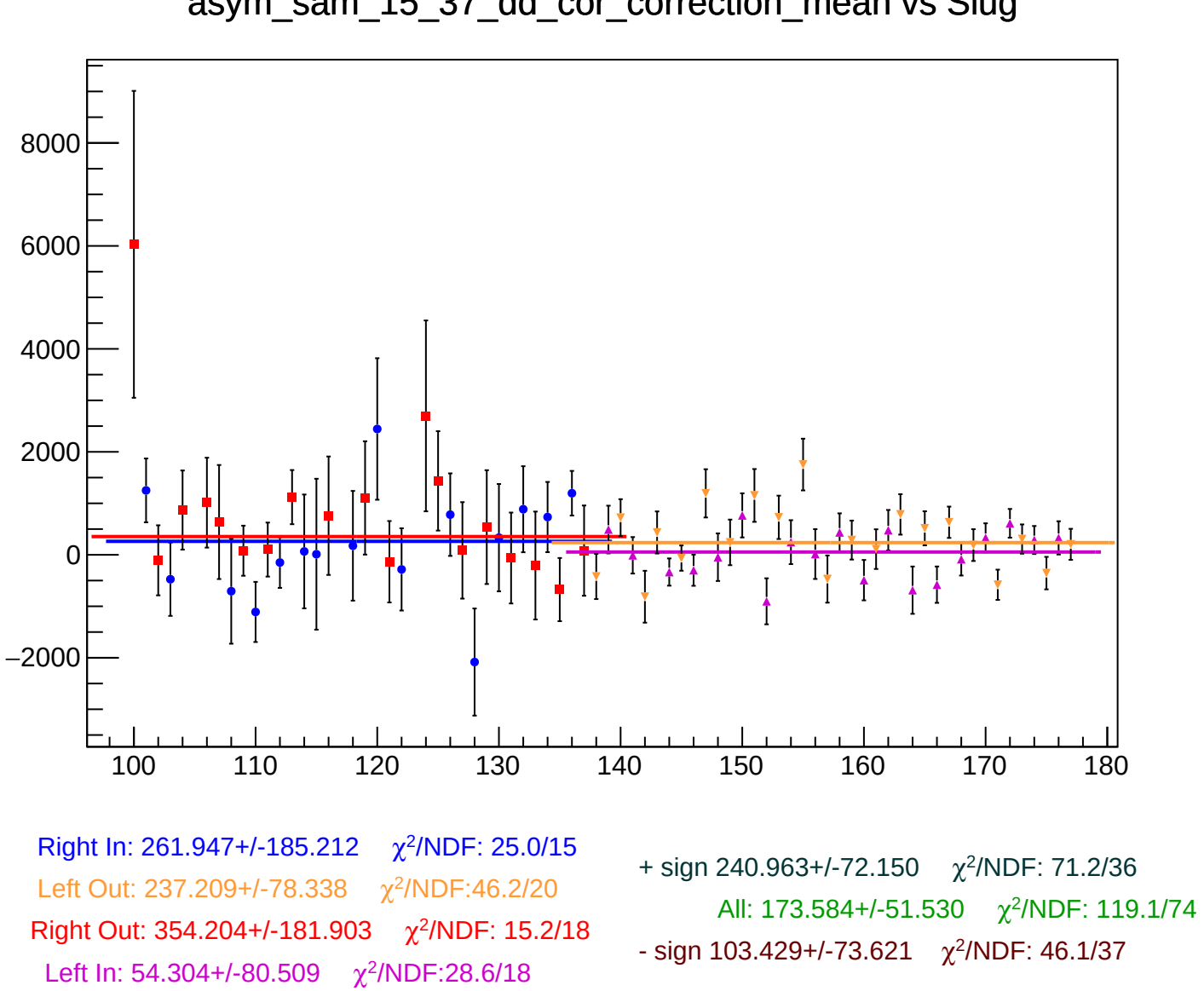
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

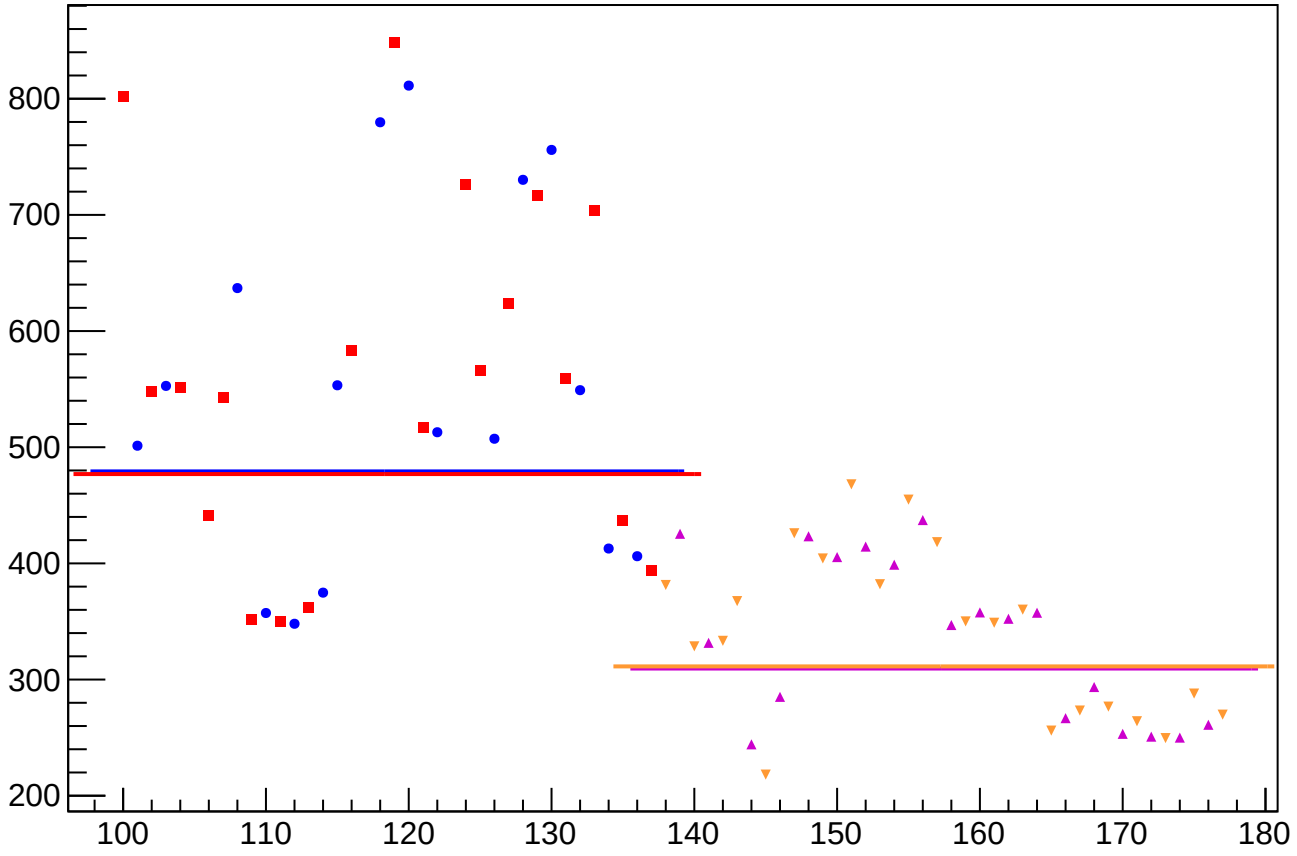
+ sign 40.789+/-0.006 χ^2/NDF: 928683.2/36

All: 40.881+/-0.004 χ^2/NDF: 1921210.2/74

- sign 40.977+/-0.006 χ^2/NDF: 992046.5/37


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: 237.209+/-78.338 χ²/NDF:46.2/20
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 54.304+/-80.509 χ²/NDF:28.6/18
+ sign 240.963+/-72.150 χ²/NDF: 71.2/36
All: 173.584+/-51.530 χ²/NDF: 119.1/74
- sign 103.429+/-73.621 χ²/NDF: 46.1/37

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 311.320+/-0.055 χ^2/NDF:1486464.7/20

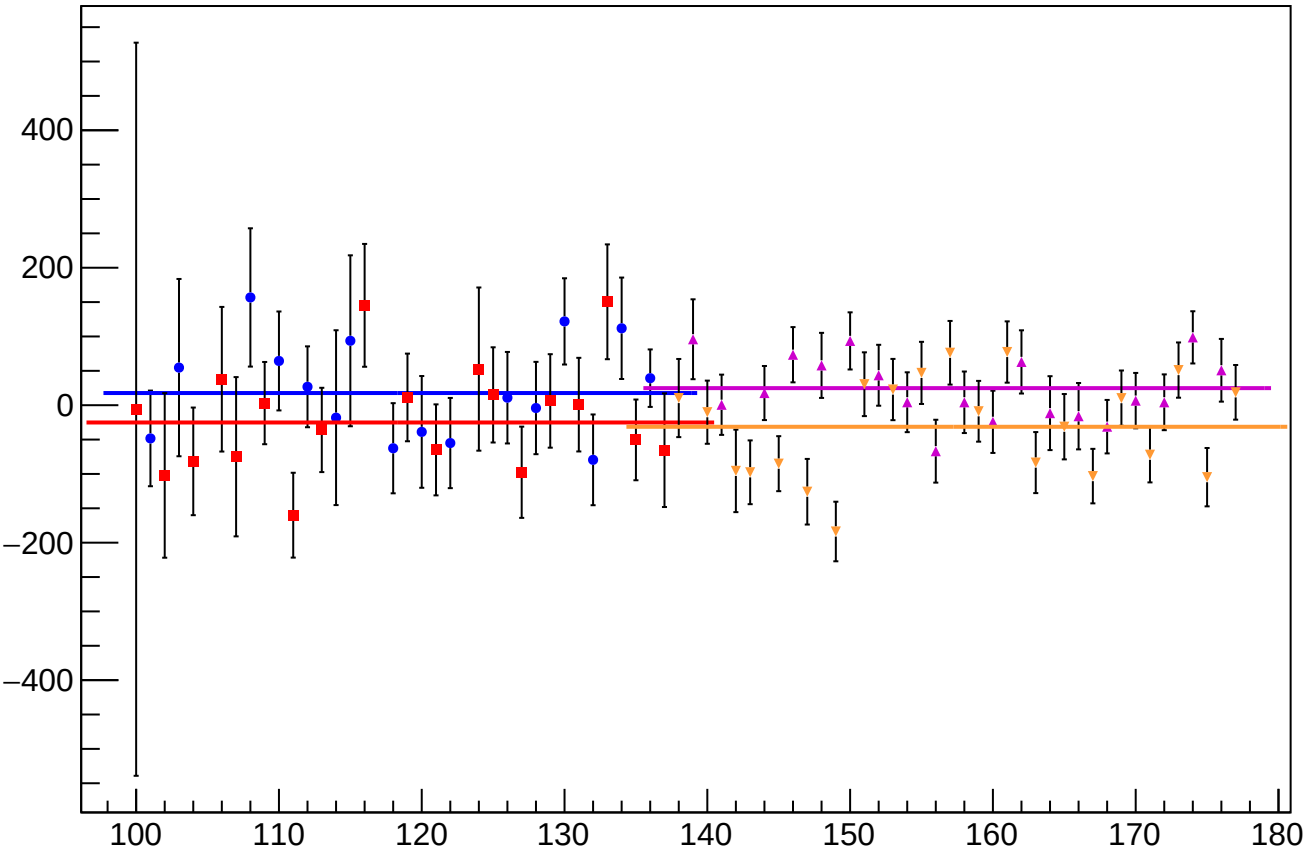
Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 309.482+/-0.057 χ^2/NDF:1266075.3/18

+ sign 336.793+/-0.051 χ^2/NDF: 3832688.6/36

All: 336.848+/-0.036 χ^2/NDF: 7519062.9/74

- sign 336.905+/-0.052 χ^2/NDF: 3686371.9/37



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.398+/-9.673 χ^2/NDF:55.4/20

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

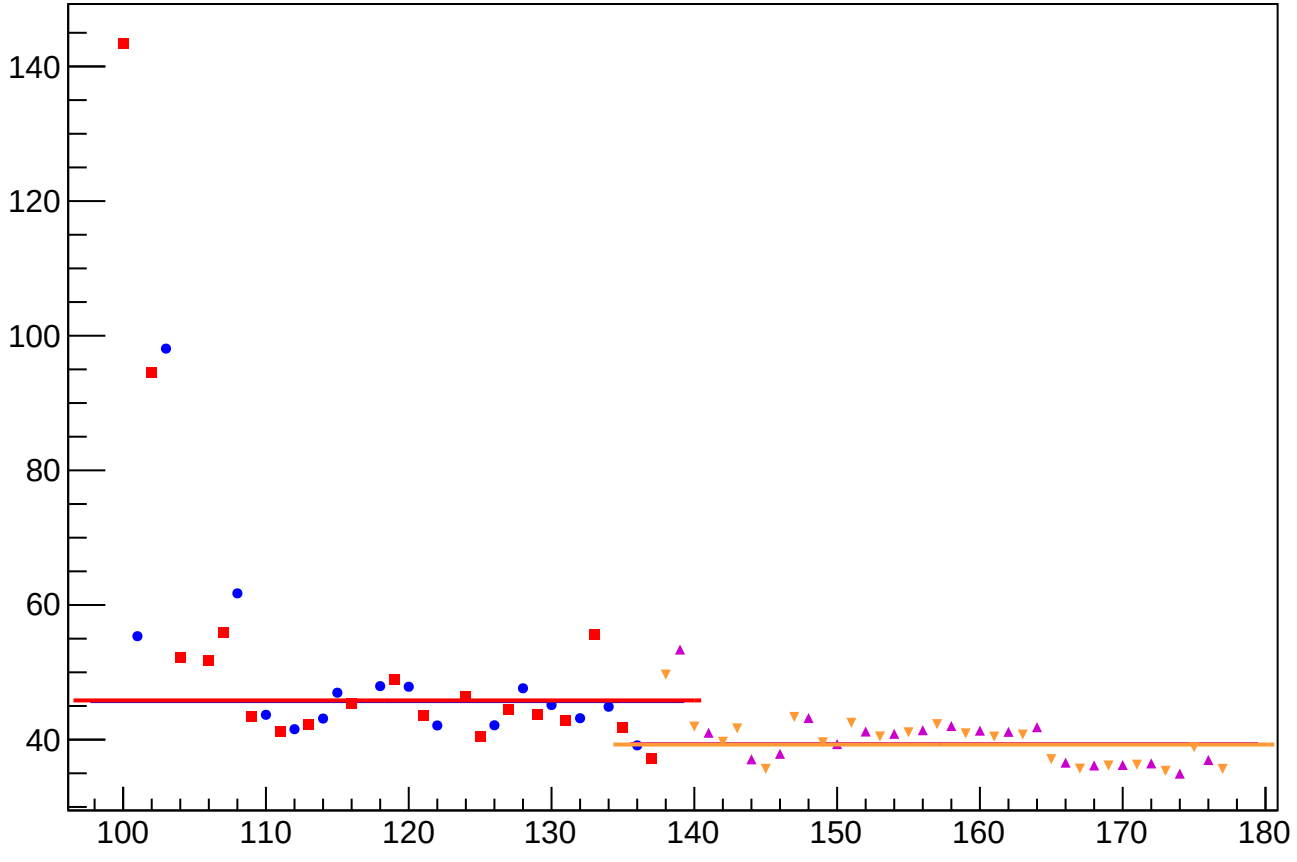
Left In: 24.839+/-10.043 χ^2/NDF:20.8/18

+ sign -19.876+/-8.463 χ^2/NDF: 75.4/36

All: -4.224+/-6.063 χ^2/NDF: 127.5/74

- sign 12.282+/-8.691 χ^2/NDF: 45.0/37

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.276+/-0.007 χ^2/NDF:218500.1/20

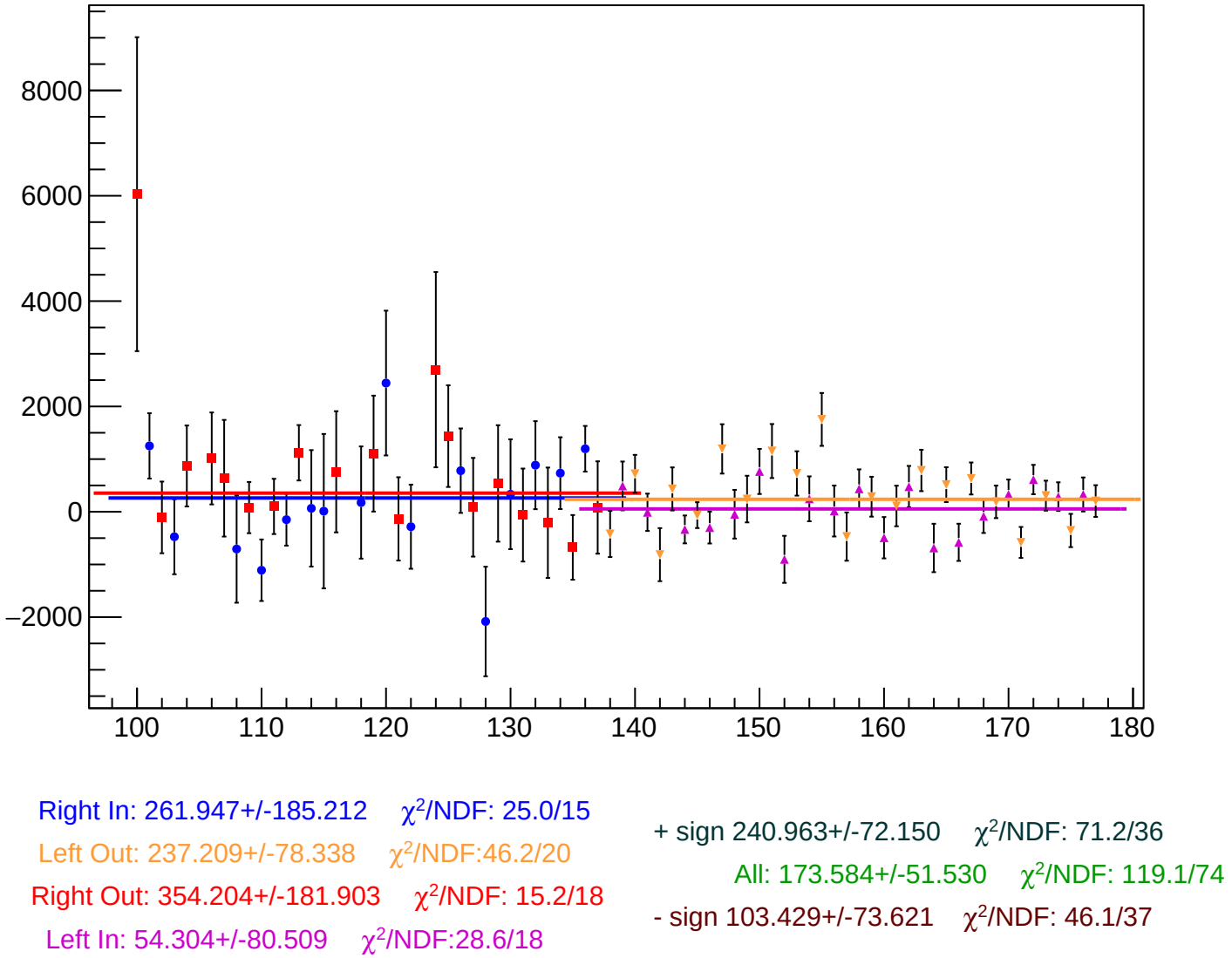
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

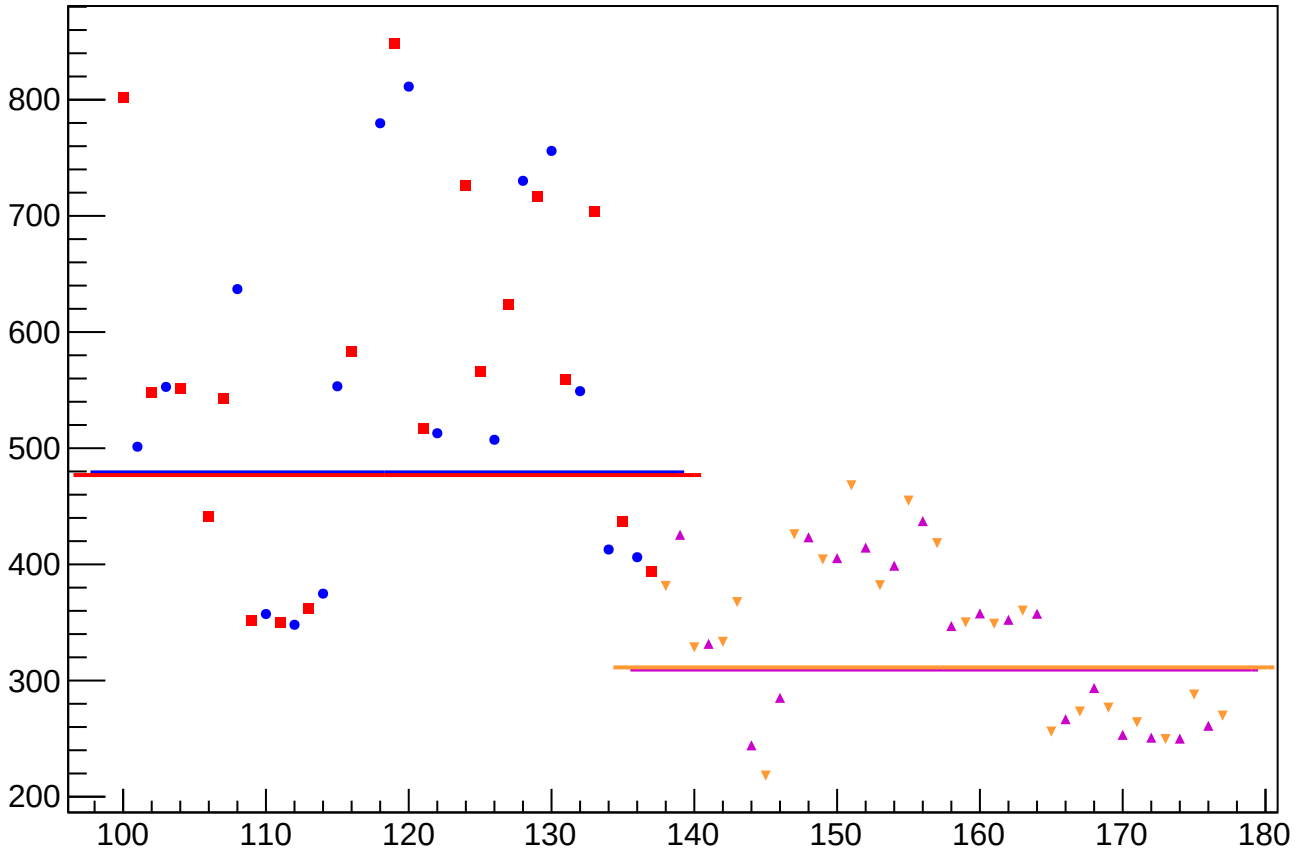
Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

+ sign 40.789+/-0.006 χ^2/NDF: 928683.2/36

All: 40.881+/-0.004 χ^2/NDF: 1921210.2/74

- sign 40.977+/-0.006 χ^2/NDF: 992046.5/37


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: 237.209+/-78.338 χ²/NDF:46.2/20
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: 54.304+/-80.509 χ²/NDF:28.6/18
+ sign 240.963+/-72.150 χ²/NDF: 71.2/36
All: 173.584+/-51.530 χ²/NDF: 119.1/74
- sign 103.429+/-73.621 χ²/NDF: 46.1/37



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 311.320+/-0.055 χ^2/NDF:1486464.7/20

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

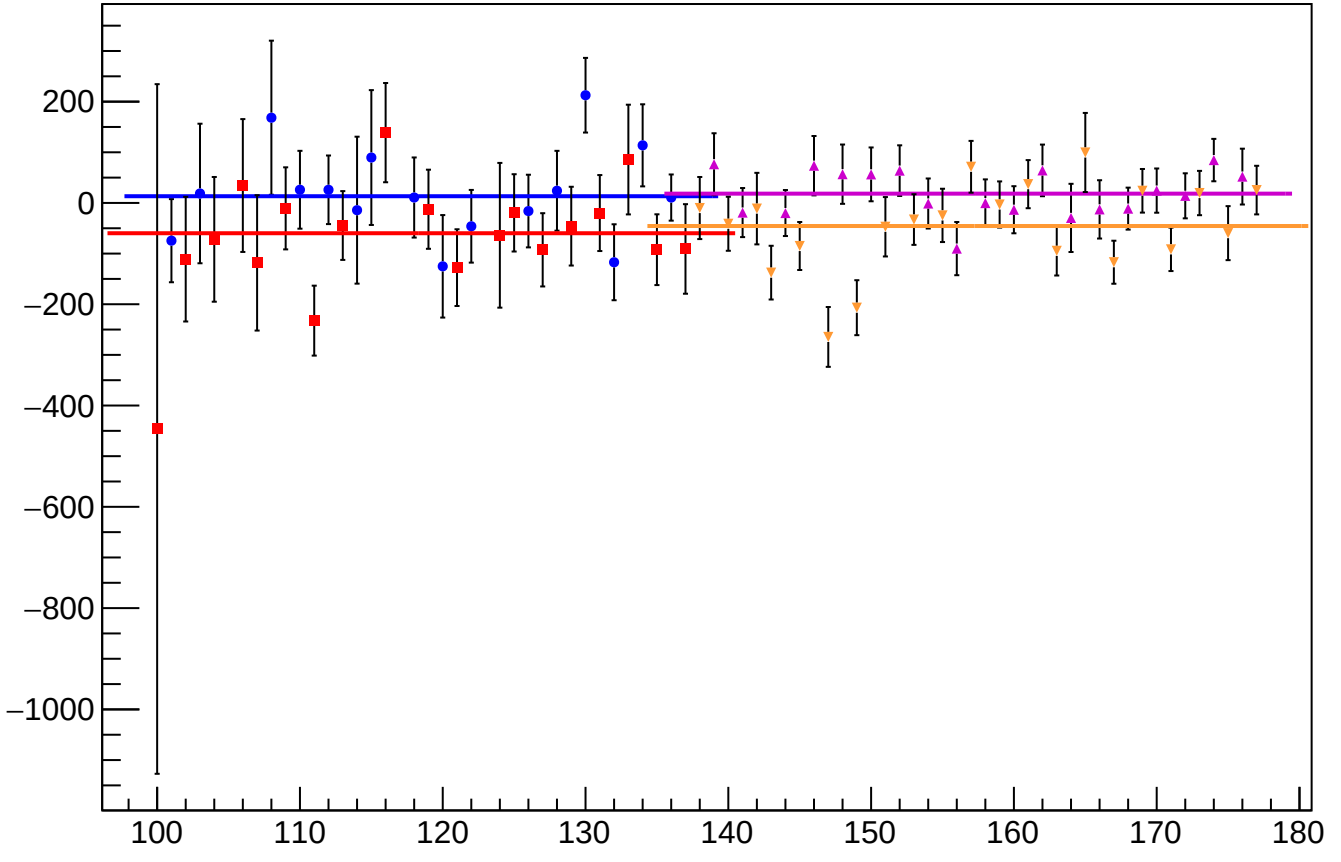
Left In: 309.482+/-0.057 χ^2/NDF:1266075.3/18

+ sign 336.793+/-0.051 χ^2/NDF: 3832688.6/36

All: 336.848+/-0.036 χ^2/NDF: 7519062.9/74

- sign 336.905+/-0.052 χ^2/NDF: 3686371.9/37

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -45.562+/-11.086 χ^2/NDF:51.8/20

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

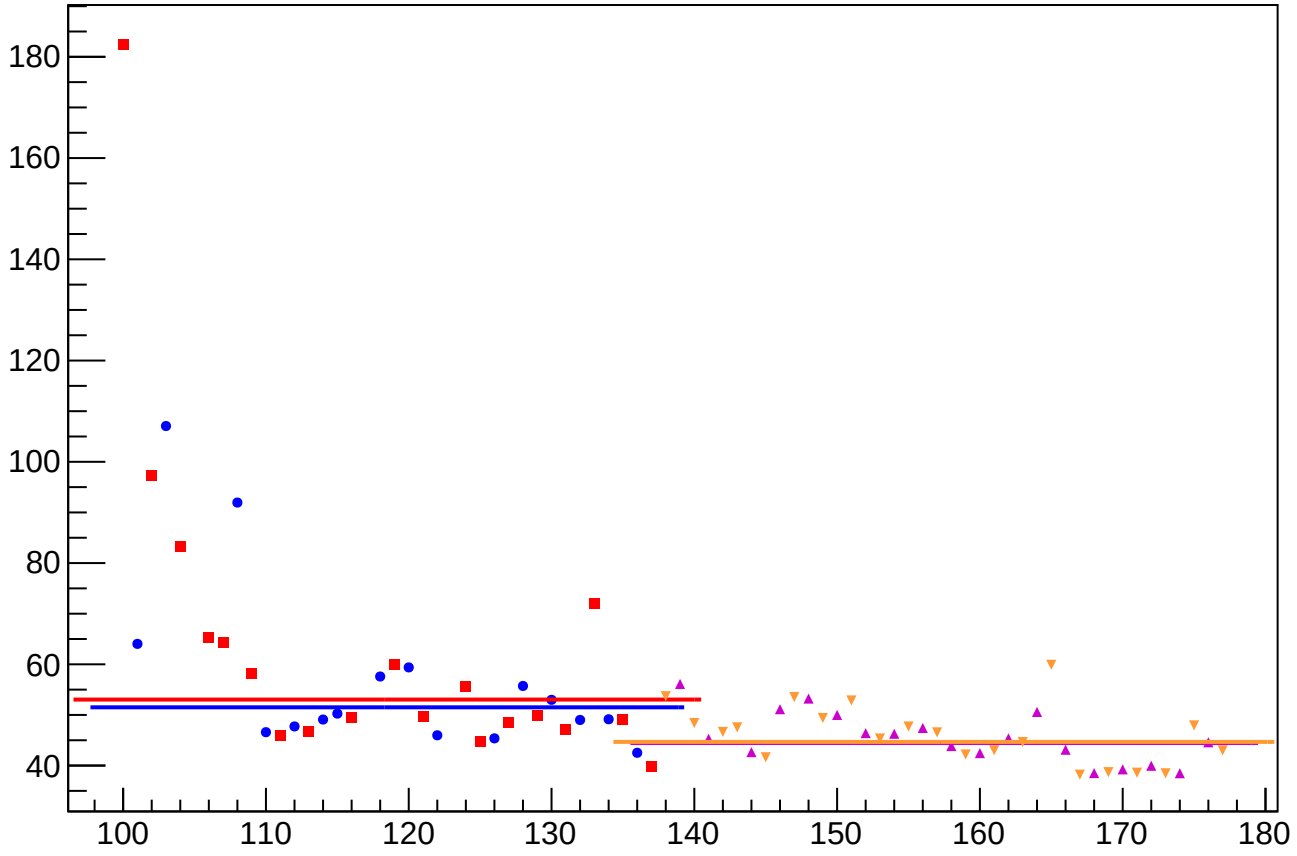
Left In: 18.335+/-11.450 χ^2/NDF:14.9/18

+ sign -31.575+/-9.679 χ^2/NDF: 75.7/36

All: -16.549+/-6.943 χ^2/NDF: 123.0/74

- sign -0.620+/-9.965 χ^2/NDF: 42.3/37

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.675+/-0.008 χ^2/NDF:437327.8/20

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

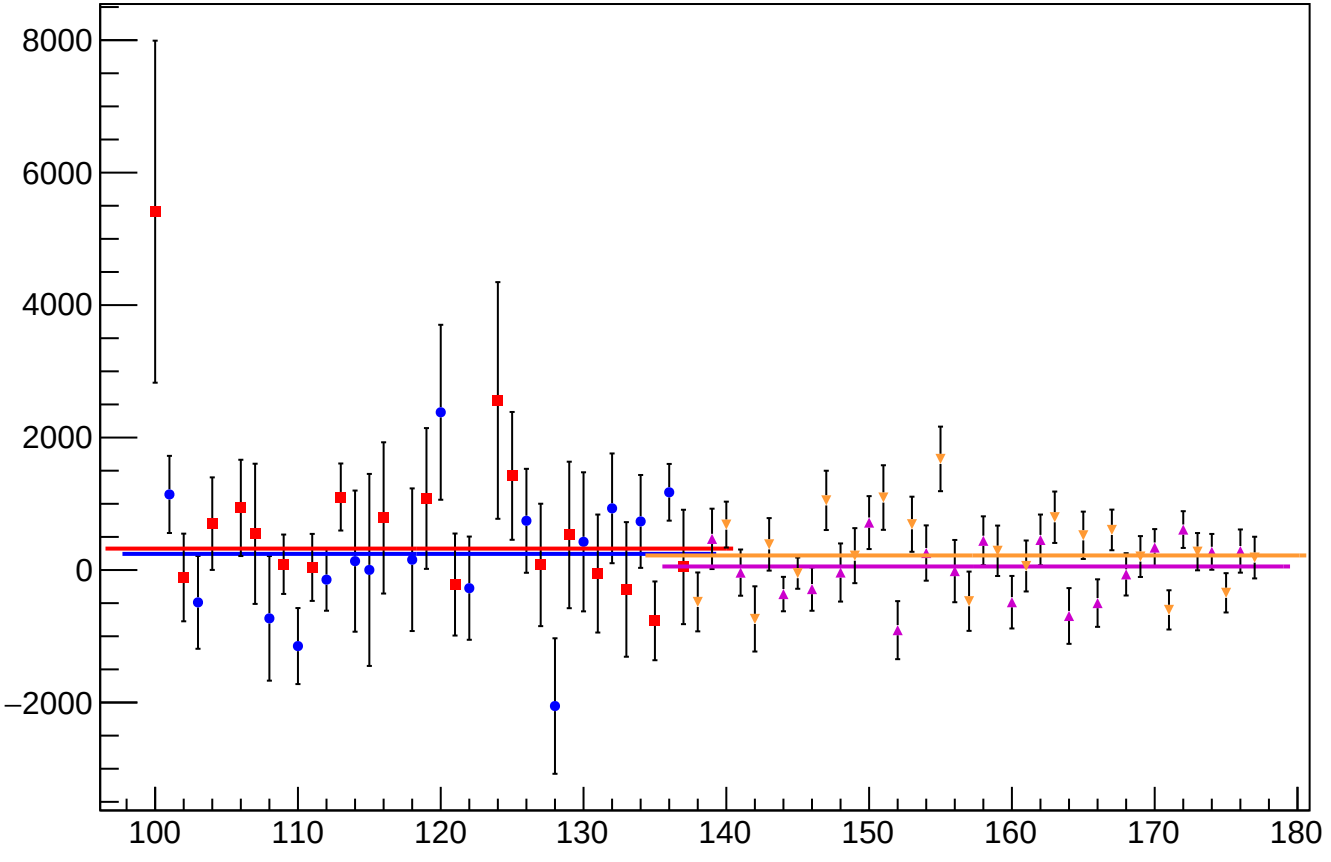
Left In: 44.454+/-0.008 χ^2/NDF:334449.2/18

+ sign 46.299+/-0.007 χ^2/NDF: 1284924.8/36

All: 46.414+/-0.005 χ^2/NDF: 2605472.9/74

- sign 46.536+/-0.007 χ^2/NDF: 1319965.7/37

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 220.252+/-77.480 χ^2/NDF:44.9/20

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

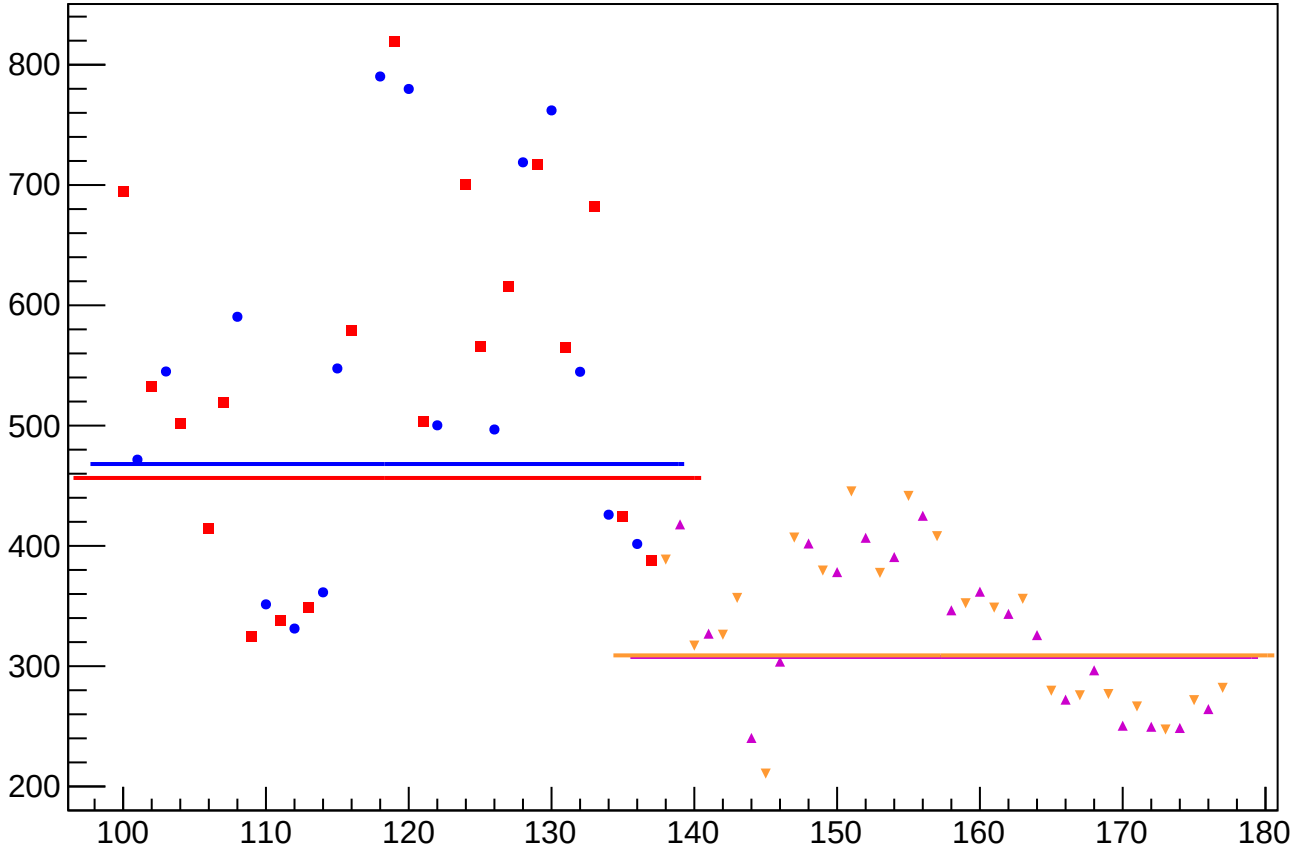
Left In: 53.710+/-79.867 χ^2/NDF:28.4/18

+ sign 223.908+/-71.220 χ^2/NDF: 70.5/36

All: 163.523+/-50.827 χ^2/NDF: 118.9/74

- sign 100.847+/-72.559 χ^2/NDF: 46.9/37

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 308.975+/-0.055 χ^2/NDF:1372525.2/20

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

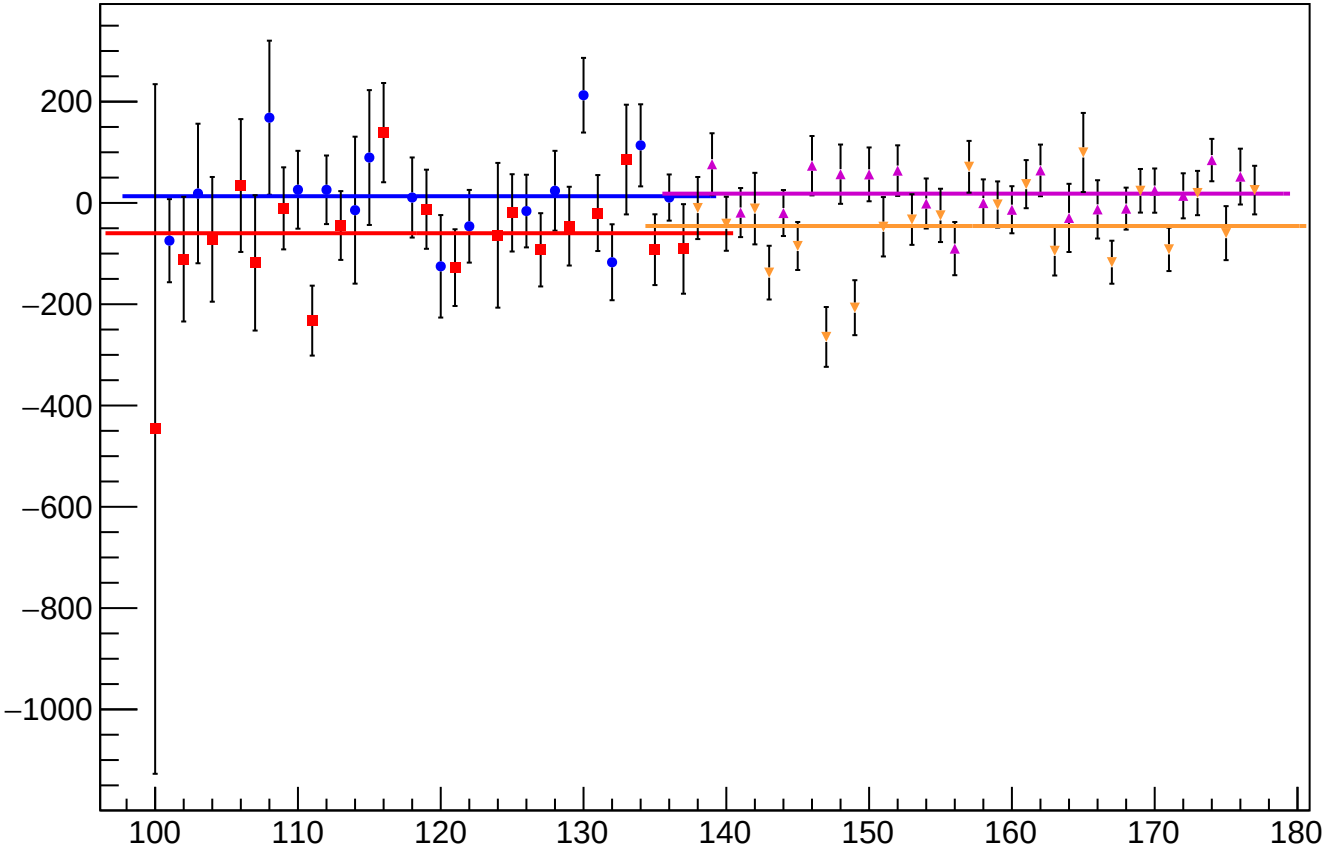
Left In: 307.672+/-0.056 χ^2/NDF:1123498.2/18

+ sign 333.642+/-0.050 χ^2/NDF: 3662835.2/36

All: 333.649+/-0.036 χ^2/NDF: 7081172.0/74

- sign 333.657+/-0.051 χ^2/NDF: 3418336.8/37

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -45.562+/-11.086 χ^2/NDF:51.8/20

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

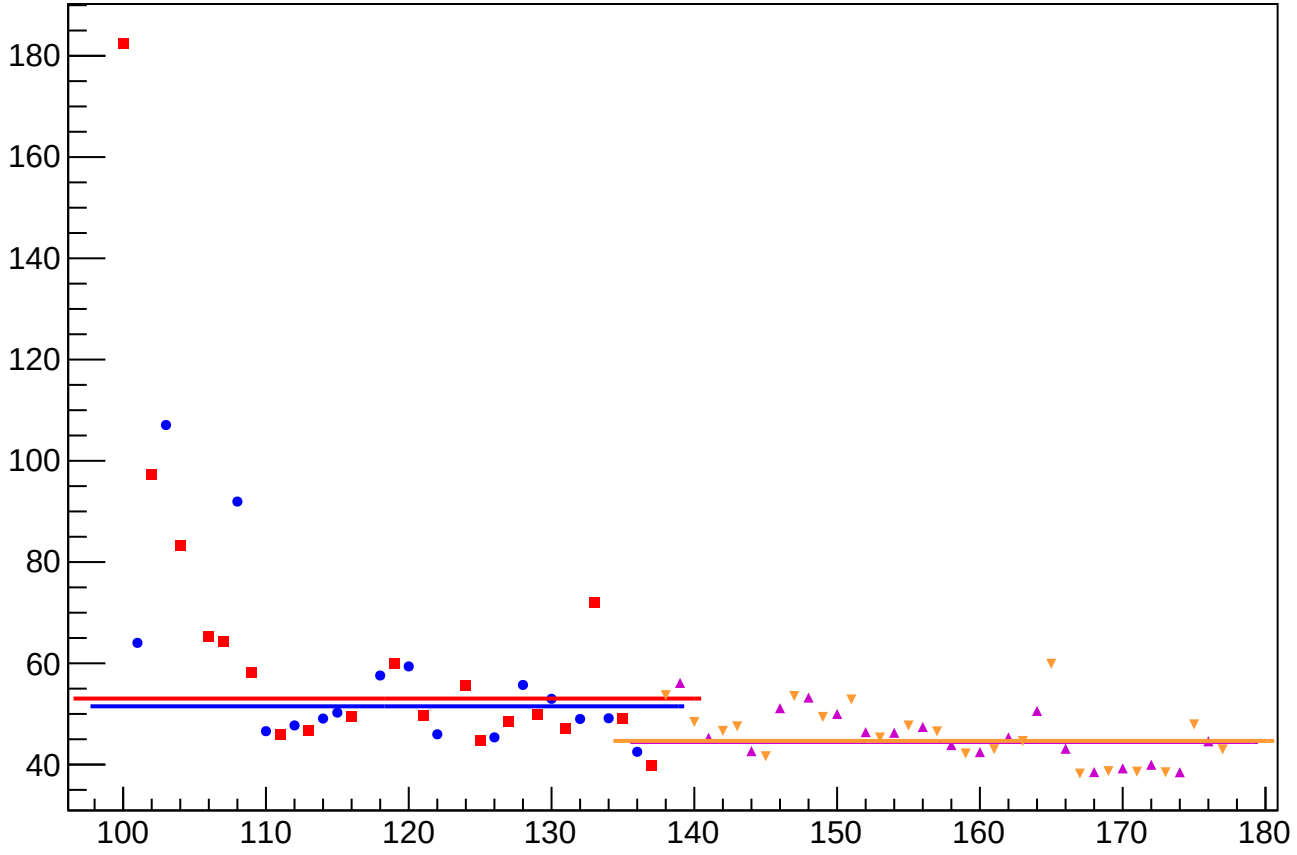
Left In: 18.335+/-11.450 χ^2/NDF:14.9/18

+ sign -31.575+/-9.679 χ^2/NDF: 75.7/36

All: -16.549+/-6.943 χ^2/NDF: 123.0/74

- sign -0.621+/-9.965 χ^2/NDF: 42.3/37

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.675+/-0.008 χ^2/NDF:437331.0/20

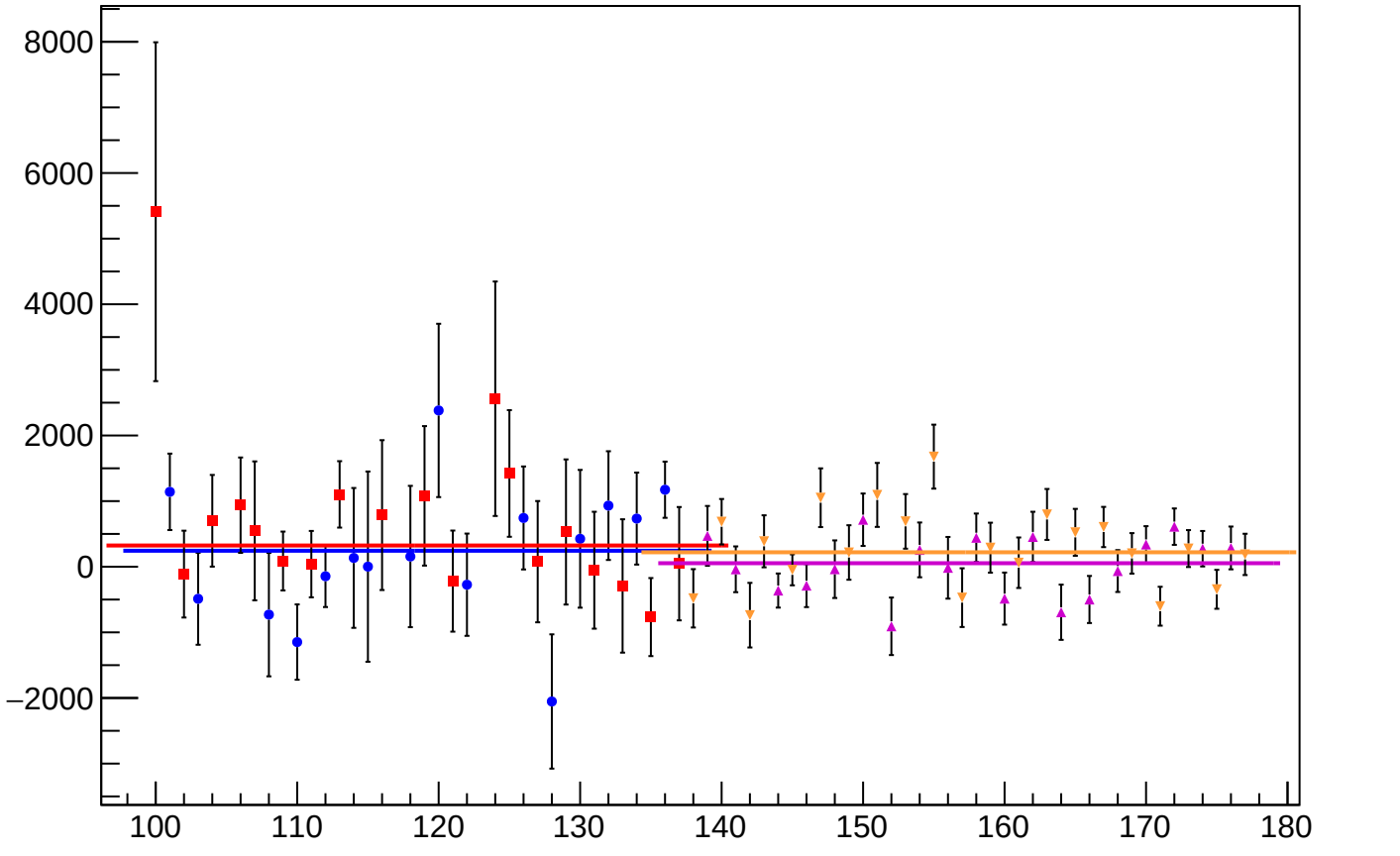
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.454+/-0.008 χ^2/NDF:334448.5/18

+ sign 46.299+/-0.007 χ^2/NDF: 1284933.1/36

All: 46.414+/-0.005 χ^2/NDF: 2605491.0/74

- sign 46.536+/-0.007 χ^2/NDF: 1319975.5/37



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 220.253+/-77.480 χ^2/NDF:44.9/20

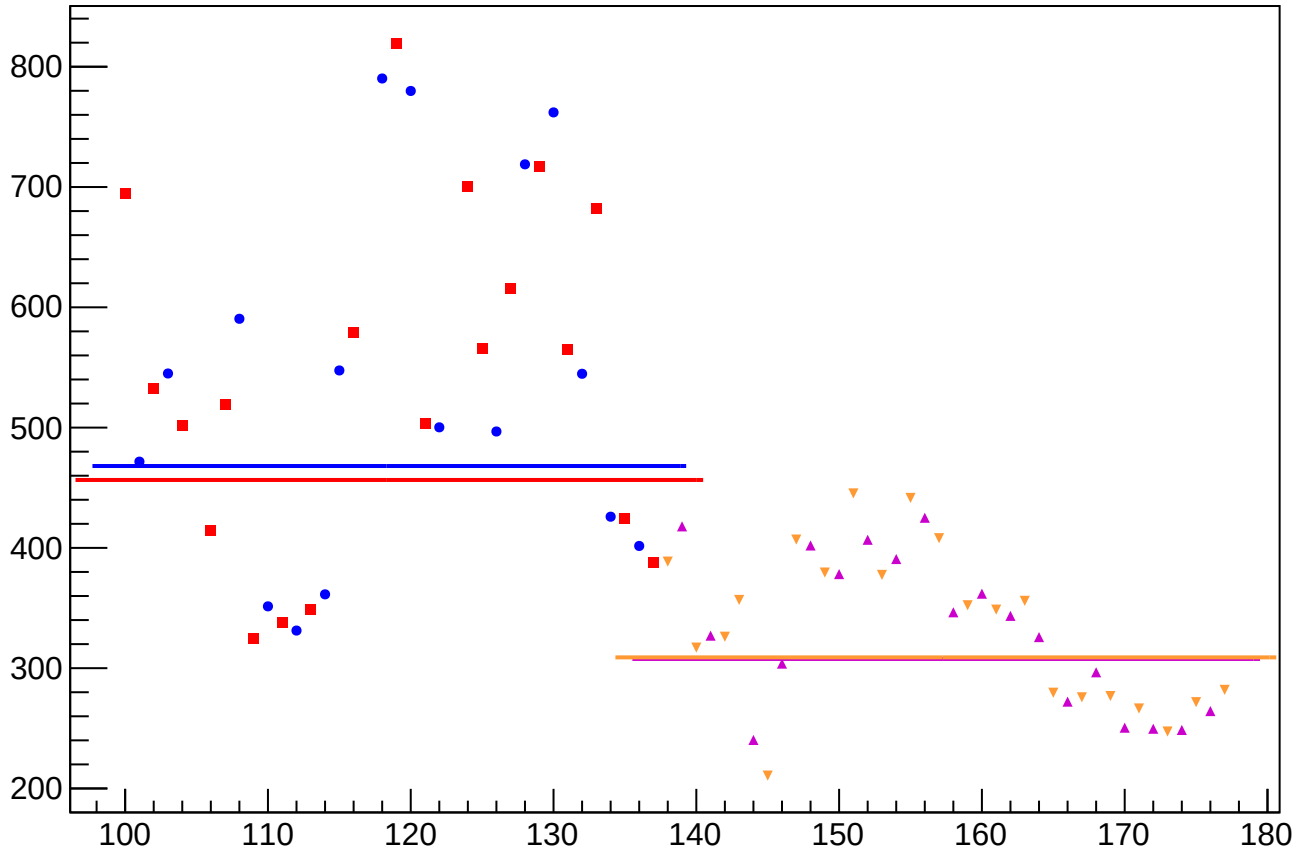
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 53.710+/-79.867 χ^2/NDF:28.4/18

+ sign 223.908+/-71.220 χ^2/NDF: 70.5/36

All: 163.523+/-50.827 χ^2/NDF: 118.9/74

- sign 100.846+/-72.559 χ^2/NDF: 46.9/37



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 308.976+/-0.055 χ^2/NDF:1372522.1/20

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

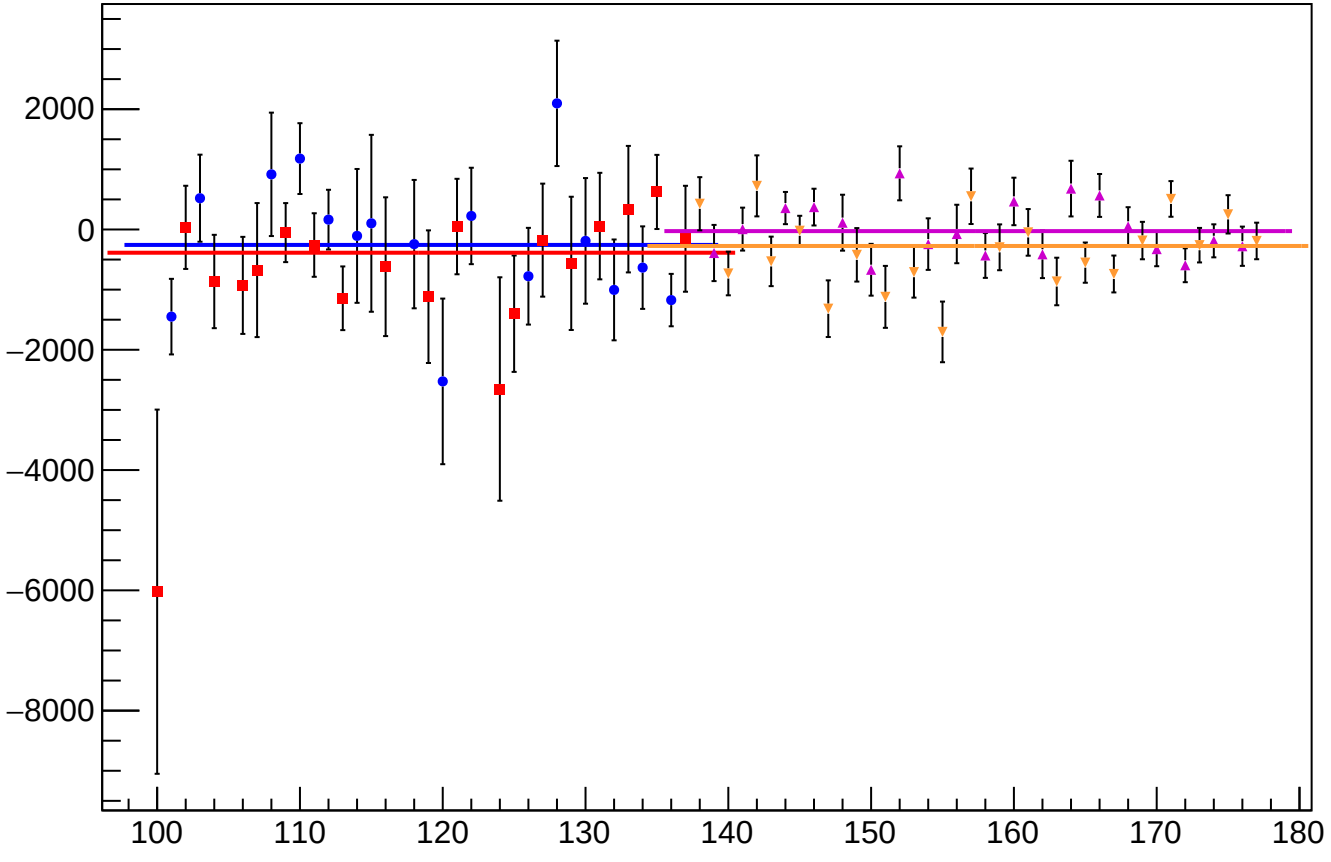
Left In: 307.673+/-0.056 χ^2/NDF:1123491.5/18

+ sign 333.642+/-0.050 χ^2/NDF: 3662819.1/36

All: 333.649+/-0.036 χ^2/NDF: 7081130.5/74

- sign 333.657+/-0.051 χ^2/NDF: 3418311.3/37

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -274.187+/-78.997 χ^2/NDF:44.8/20

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

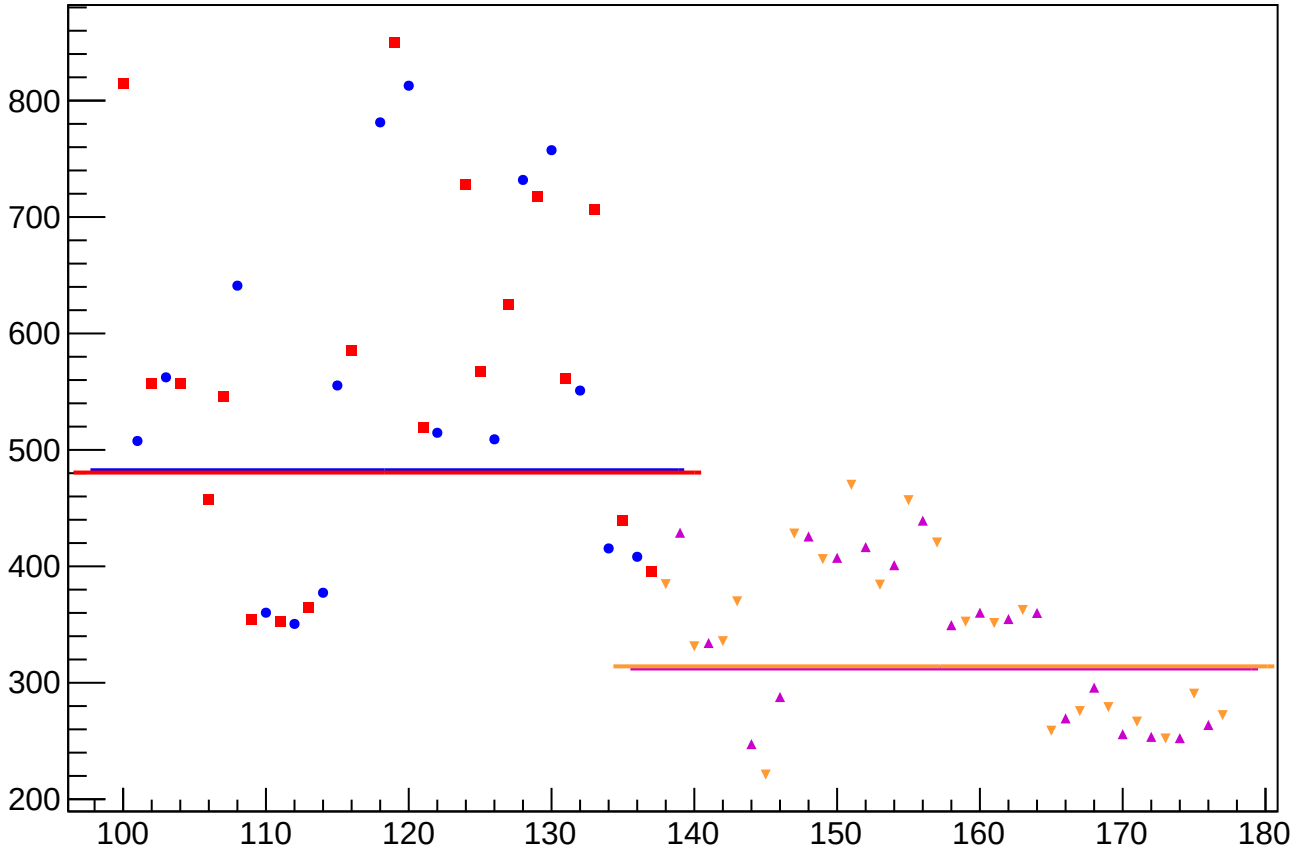
Left In: -27.141+/-81.198 χ^2/NDF:26.5/18

+ sign -271.533+/-72.738 χ^2/NDF: 71.8/36

All: -180.872+/-51.935 χ^2/NDF: 118.9/74

- sign -86.588+/-74.177 χ^2/NDF: 43.9/37

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 314.104+/-0.056 χ^2/NDF:1456221.0/20

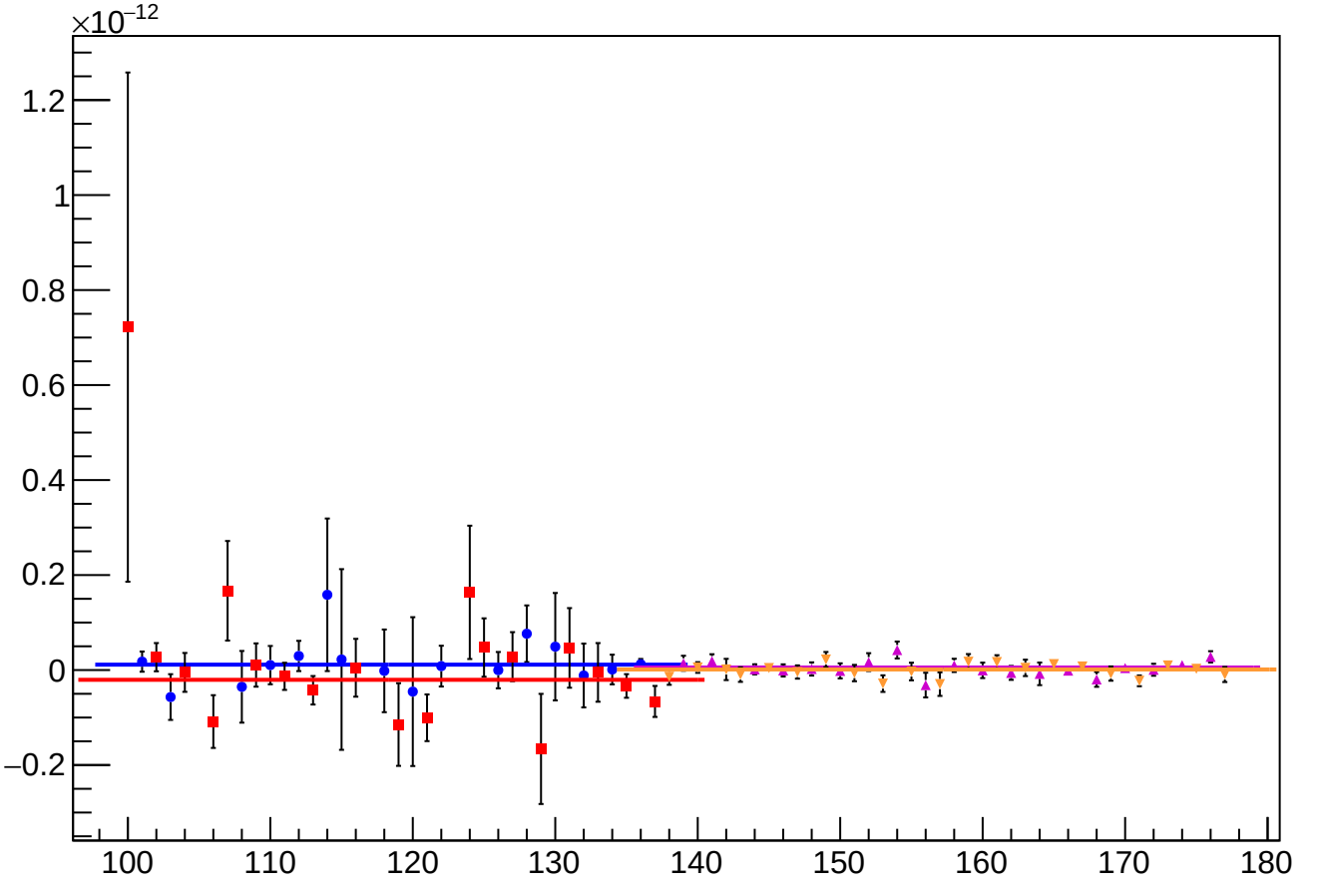
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 312.283+/-0.057 χ^2/NDF:1241186.4/18

+ sign 339.731+/-0.051 χ^2/NDF: 3785948.6/36

All: 339.924+/-0.037 χ^2/NDF: 7442164.8/74

- sign 340.124+/-0.052 χ^2/NDF: 3656187.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/20

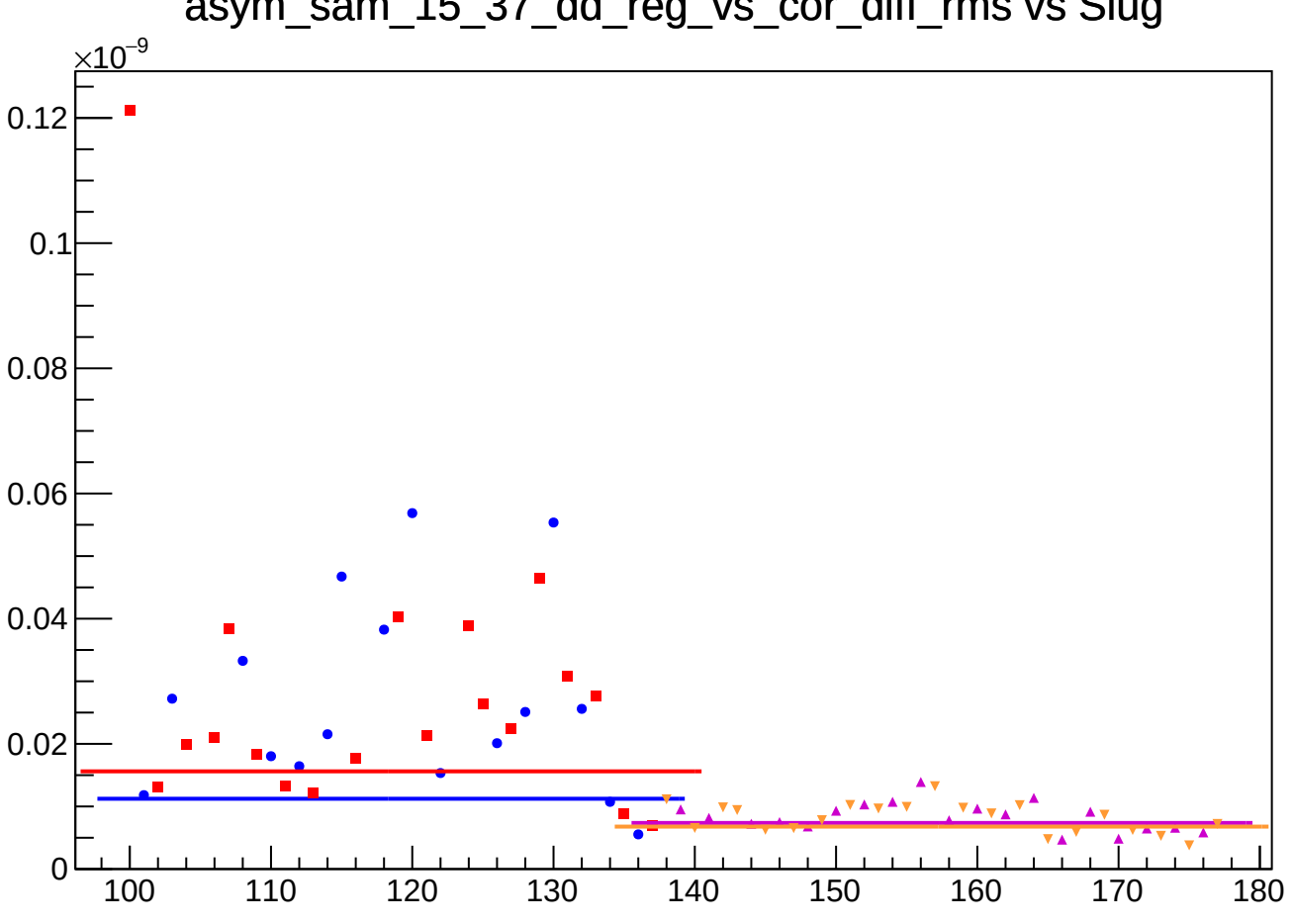
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/18

+ sign 0.000+/-0.000 χ^2/NDF: 24.7/36

All: 0.000+/-0.000 χ^2/NDF: 70.8/74

- sign 0.000+/-0.000 χ^2/NDF: 46.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1328497.0/20

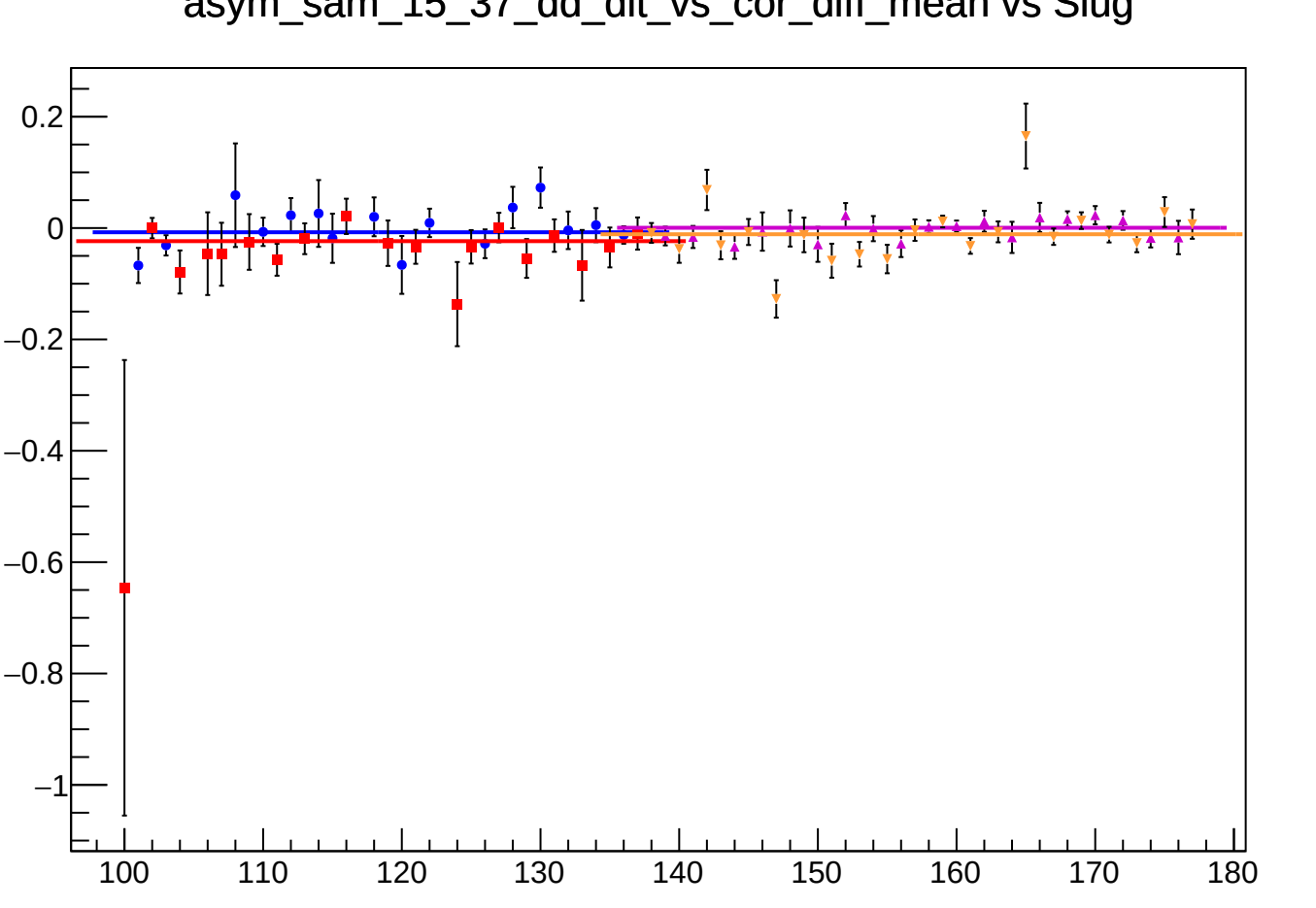
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:803156.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 3984360.3/36

All: 0.000+/-0.000 χ^2/NDF: 7235158.6/74

- sign 0.000+/-0.000 χ^2/NDF: 3171215.5/37



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:49.4/20

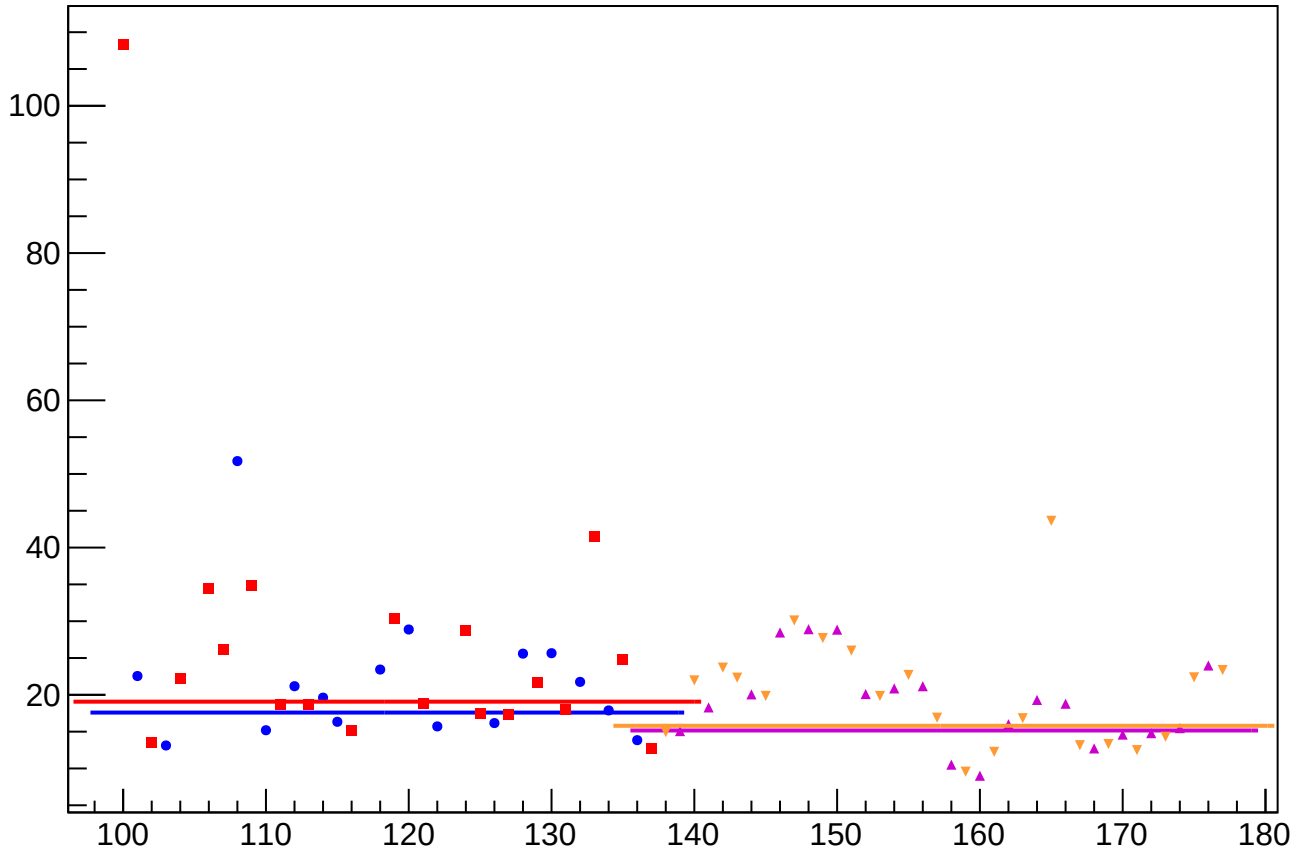
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.004 χ^2/NDF:14.0/18

+ sign -0.010+/-0.004 χ^2/NDF: 66.3/36

All: -0.008+/-0.003 χ^2/NDF: 103.4/74

- sign -0.005+/-0.004 χ^2/NDF: 36.1/37



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.797+/-0.003 χ^2/NDF:3348164.4/20

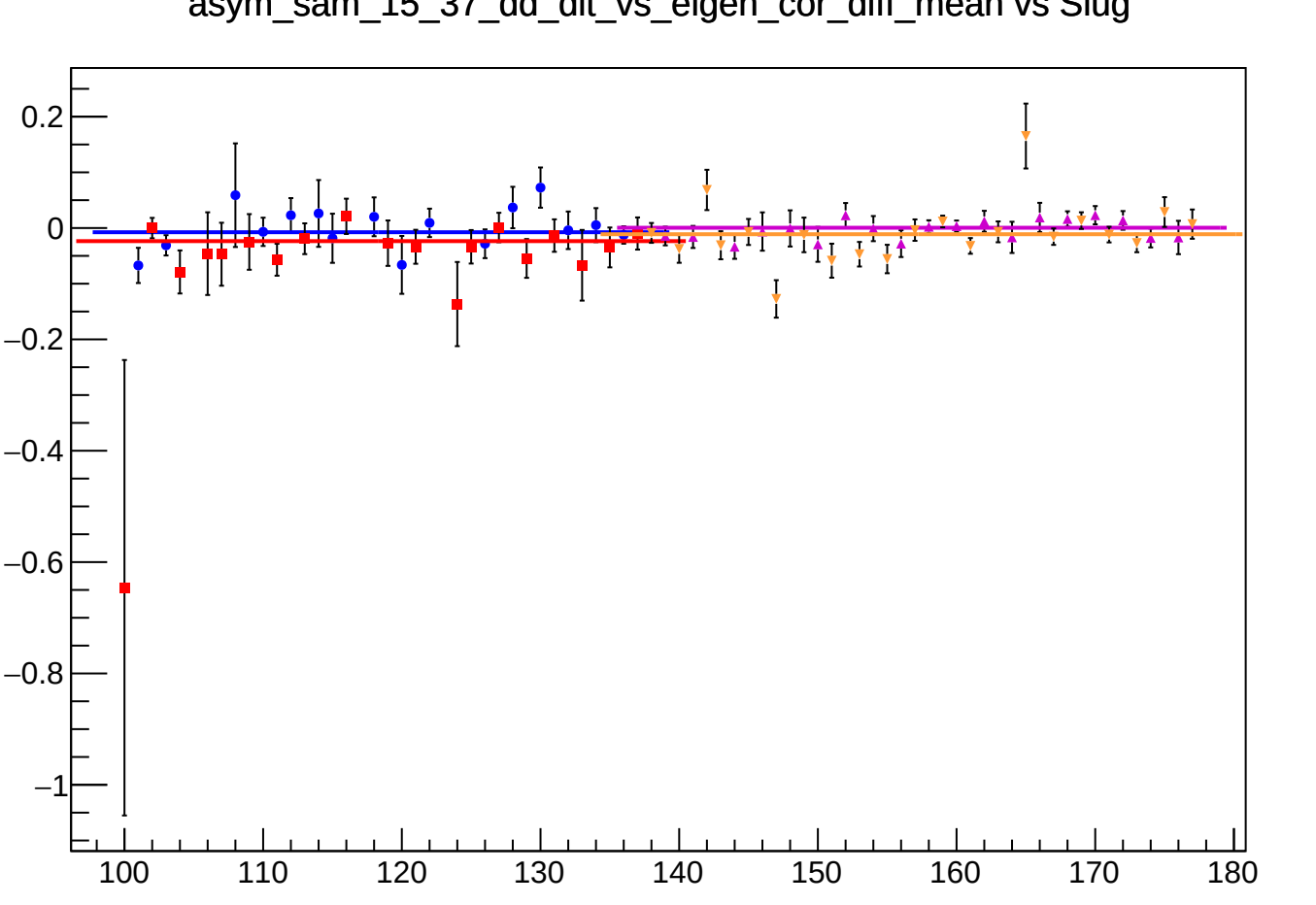
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.159+/-0.003 χ^2/NDF:2945211.4/18

+ sign 16.255+/-0.003 χ^2/NDF: 4433908.6/36

All: 16.152+/-0.002 χ^2/NDF: 9025219.7/74

- sign 16.047+/-0.003 χ^2/NDF: 4588077.5/37



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:49.4/20

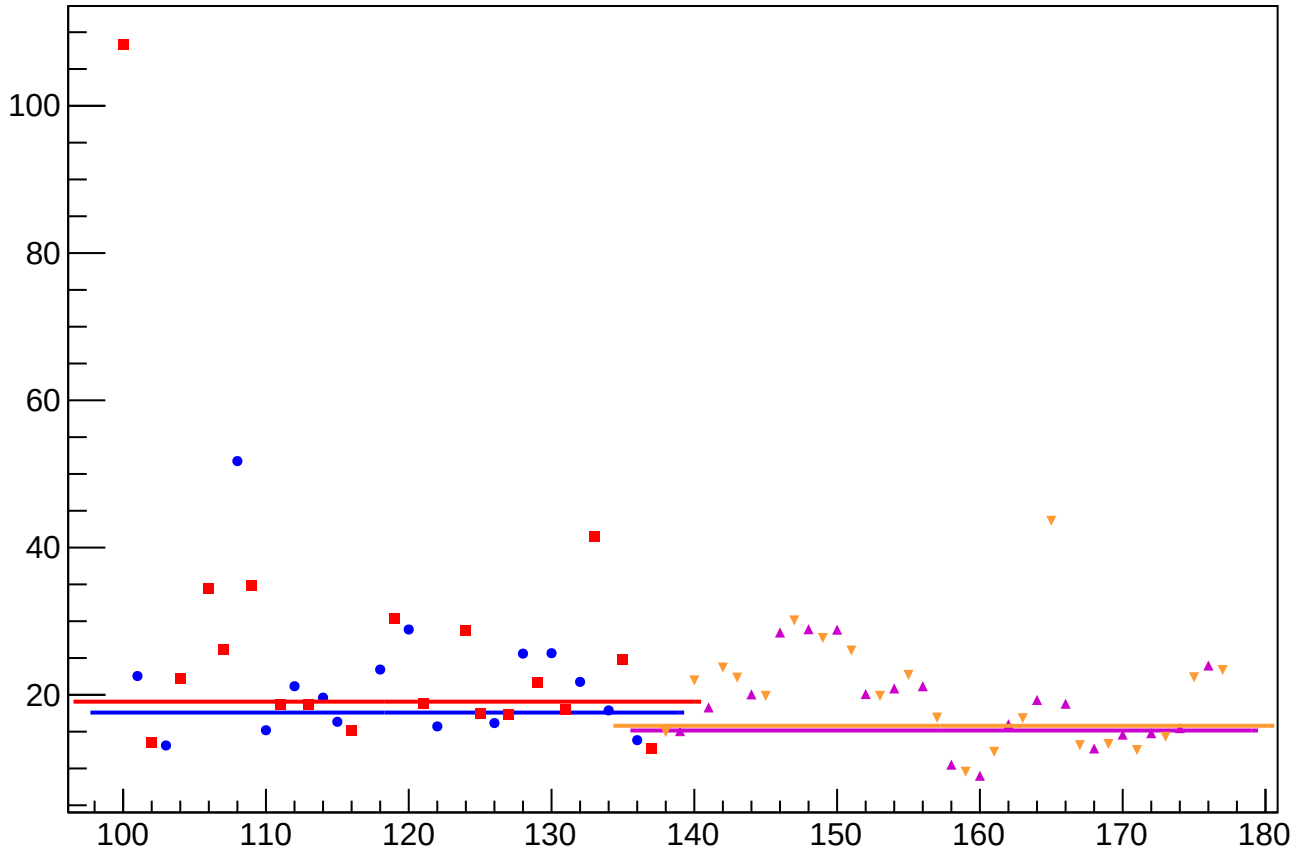
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.004 χ^2/NDF:14.0/18

+ sign -0.010+/-0.004 χ^2/NDF: 66.3/36

All: -0.008+/-0.003 χ^2/NDF: 103.4/74

- sign -0.005+/-0.004 χ^2/NDF: 36.1/37



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.797+/-0.003 χ^2/NDF:3348164.4/20

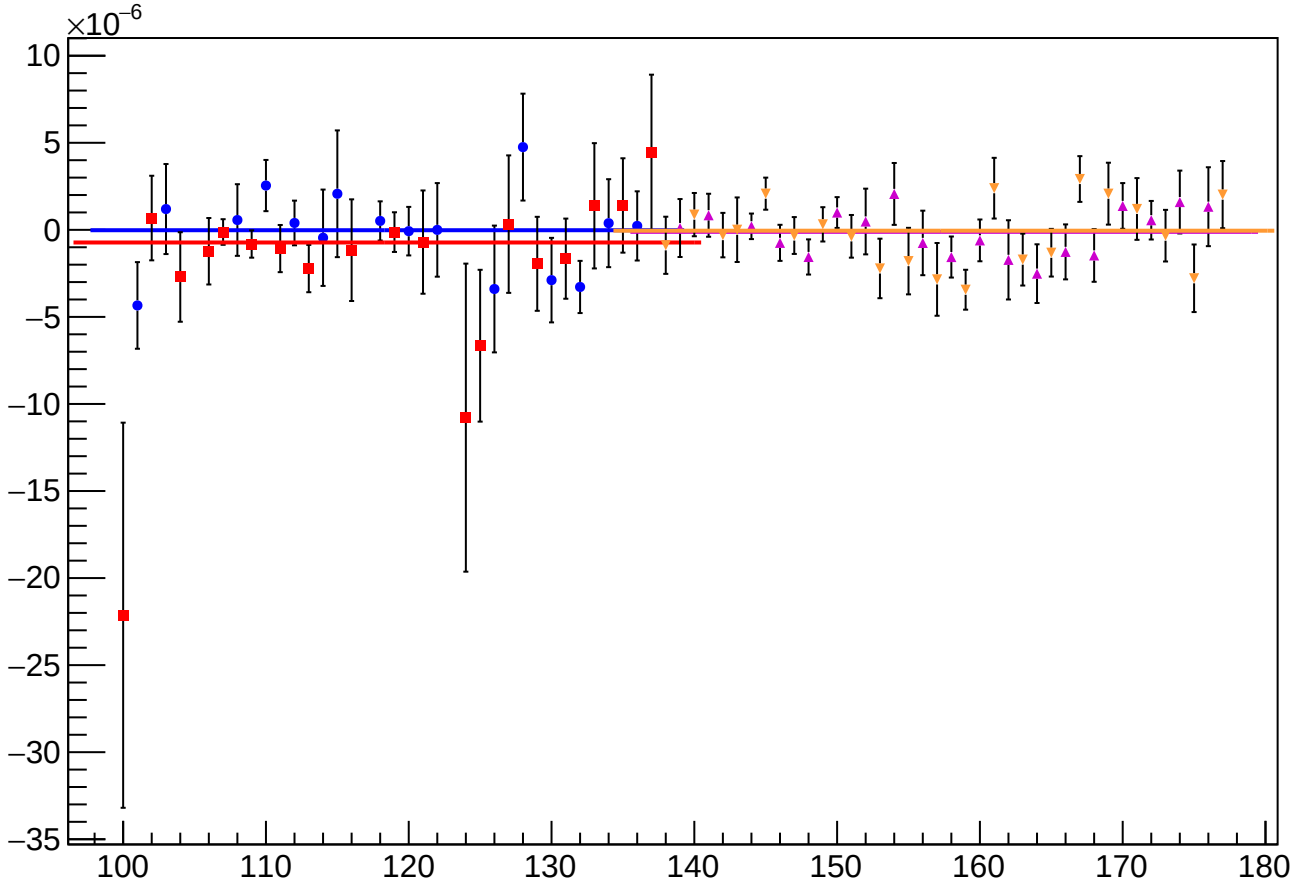
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.159+/-0.003 χ^2/NDF:2945211.4/18

+ sign 16.255+/-0.003 χ^2/NDF: 4433908.6/36

All: 16.152+/-0.002 χ^2/NDF: 9025219.7/74

- sign 16.047+/-0.003 χ^2/NDF: 4588077.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.7/20

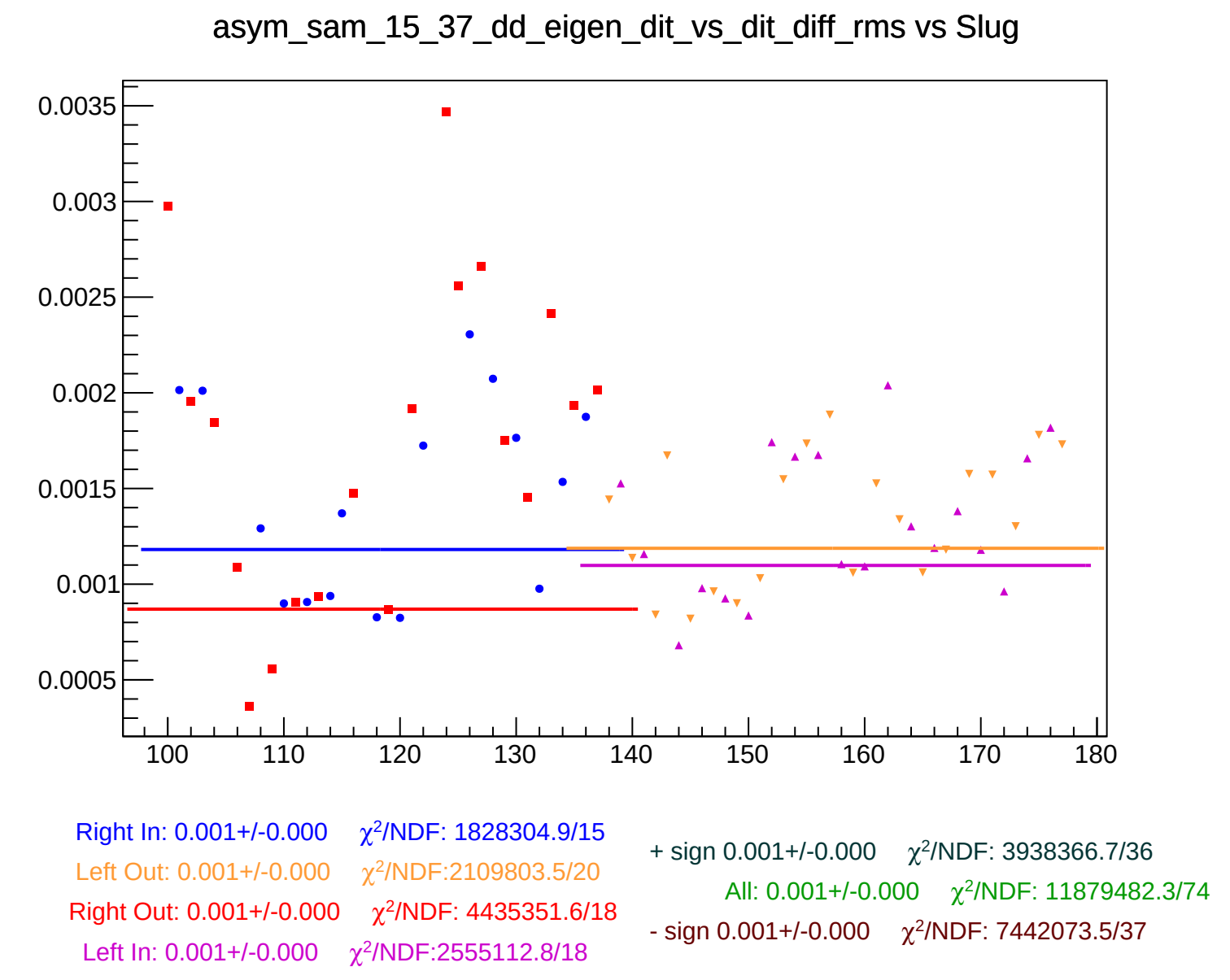
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

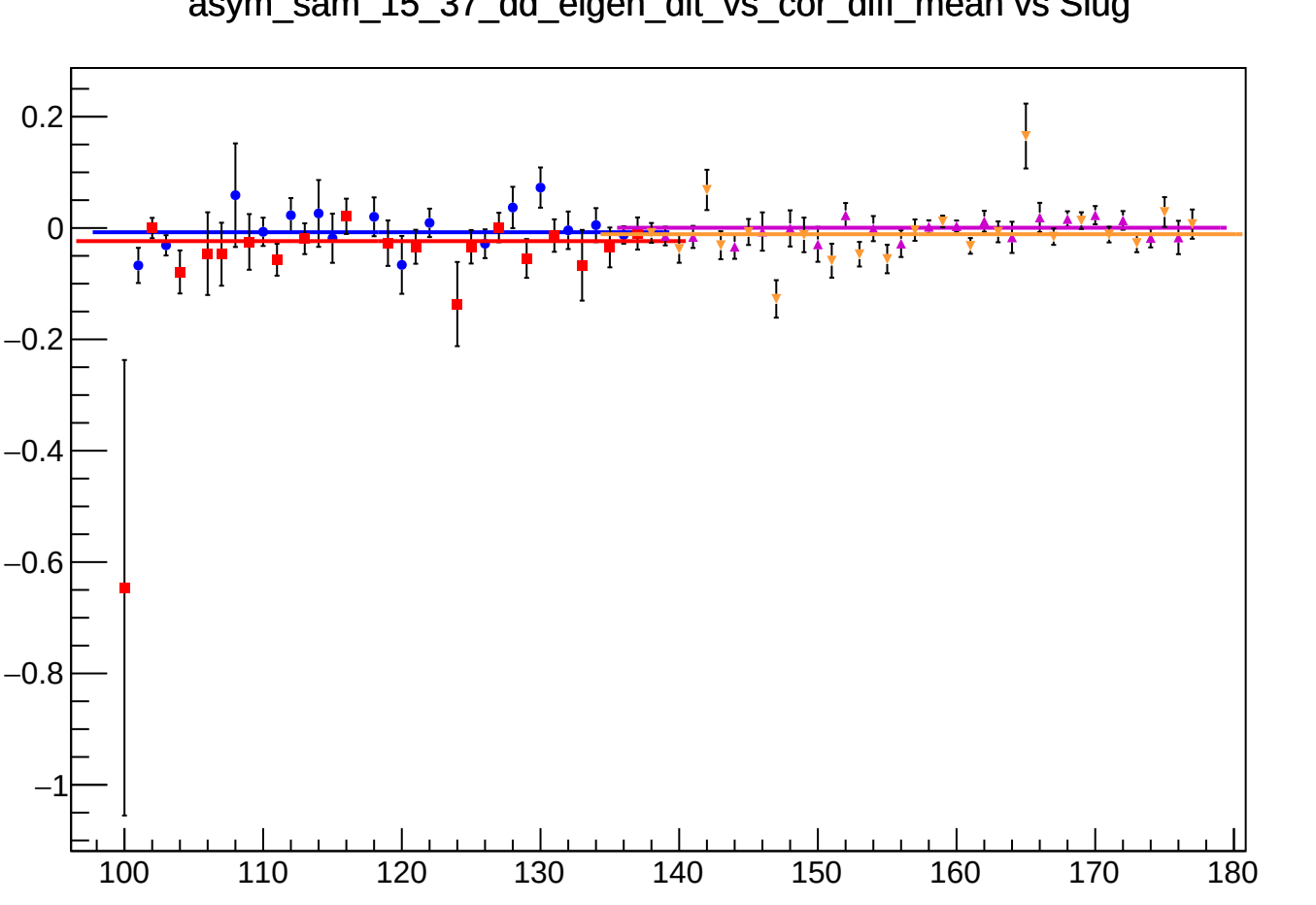
Left In: -0.000+/-0.000 χ^2/NDF:15.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/36

All: -0.000+/-0.000 χ^2/NDF: 80.4/74

- sign -0.000+/-0.000 χ^2/NDF: 29.5/37


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:2109803.5/20
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2555112.8/18
+ sign 0.001+/-0.000 χ²/NDF: 3938366.7/36
All: 0.001+/-0.000 χ²/NDF: 11879482.3/74
- sign 0.001+/-0.000 χ²/NDF: 7442073.5/37



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:49.4/20

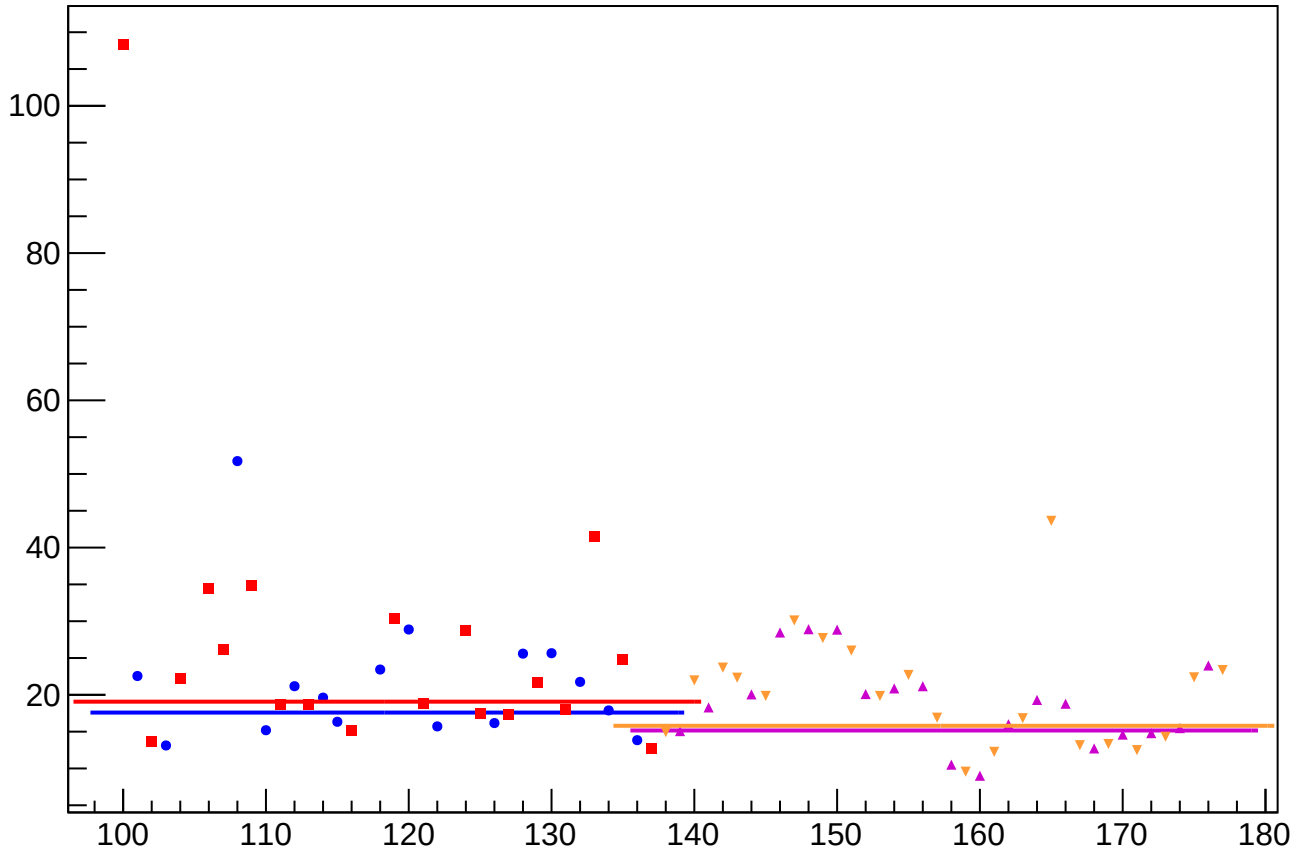
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.004 χ^2/NDF:14.0/18

+ sign -0.010+/-0.004 χ^2/NDF: 66.3/36

All: -0.008+/-0.003 χ^2/NDF: 103.4/74

- sign -0.005+/-0.004 χ^2/NDF: 36.1/37



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.796+/-0.003 χ^2/NDF:3348415.3/20

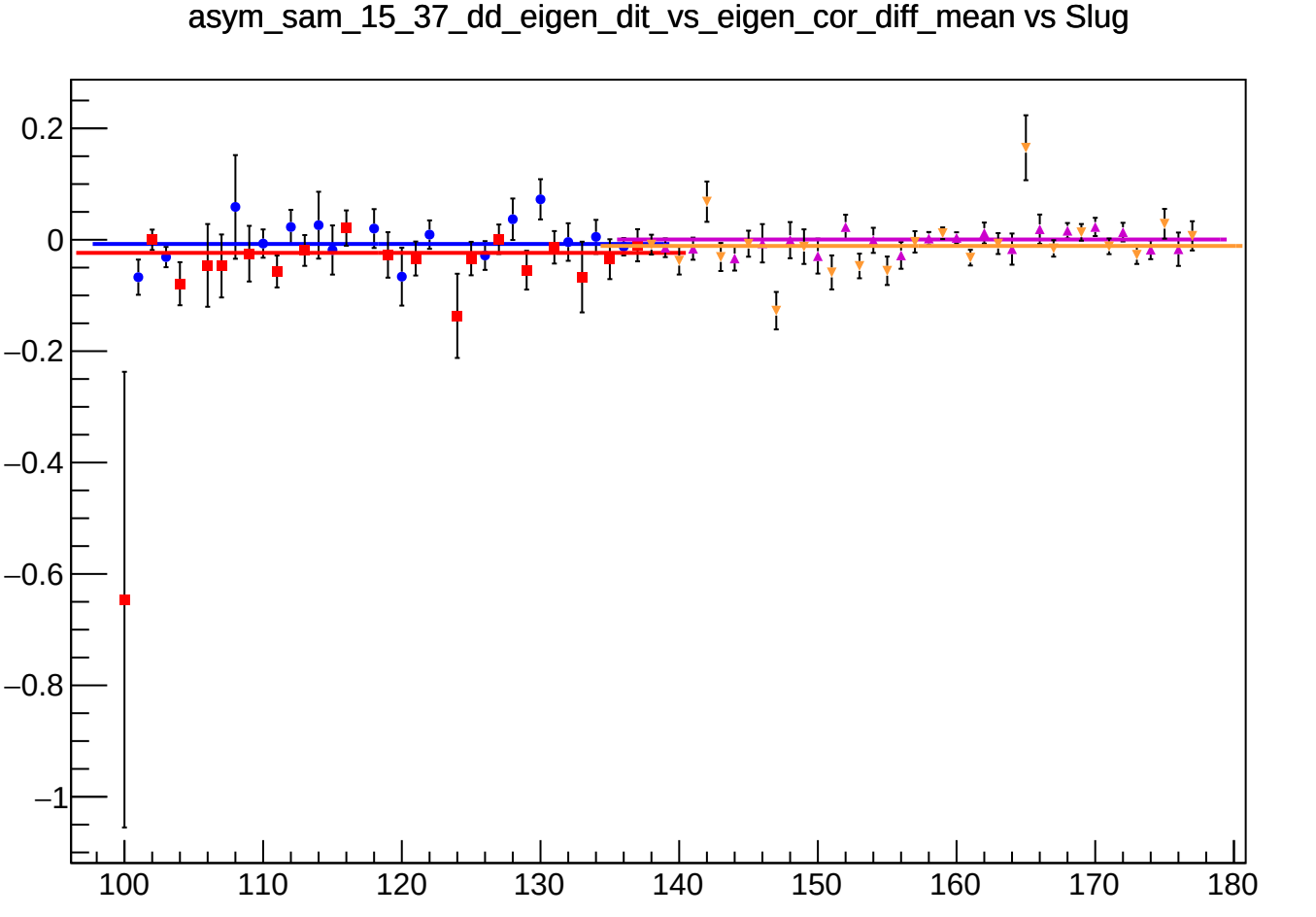
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.158+/-0.003 χ^2/NDF:2945525.3/18

+ sign 16.255+/-0.003 χ^2/NDF: 4434225.0/36

All: 16.152+/-0.002 χ^2/NDF: 9025890.5/74

- sign 16.047+/-0.003 χ^2/NDF: 4588431.3/37



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:49.4/20

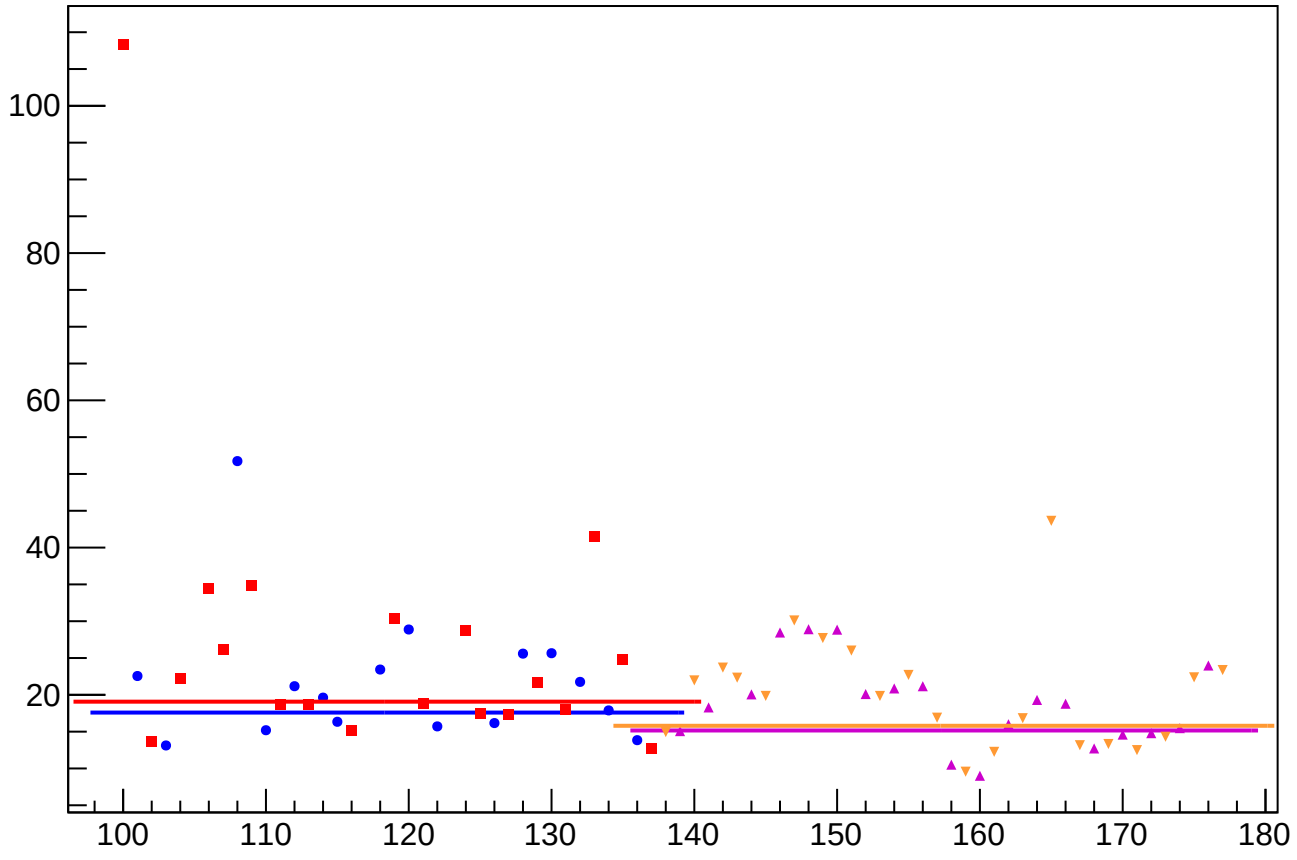
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.004 χ^2/NDF:14.0/18

+ sign -0.010+/-0.004 χ^2/NDF: 66.3/36

All: -0.008+/-0.003 χ^2/NDF: 103.4/74

- sign -0.005+/-0.004 χ^2/NDF: 36.1/37



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.796+/-0.003 χ^2/NDF:3348415.3/20

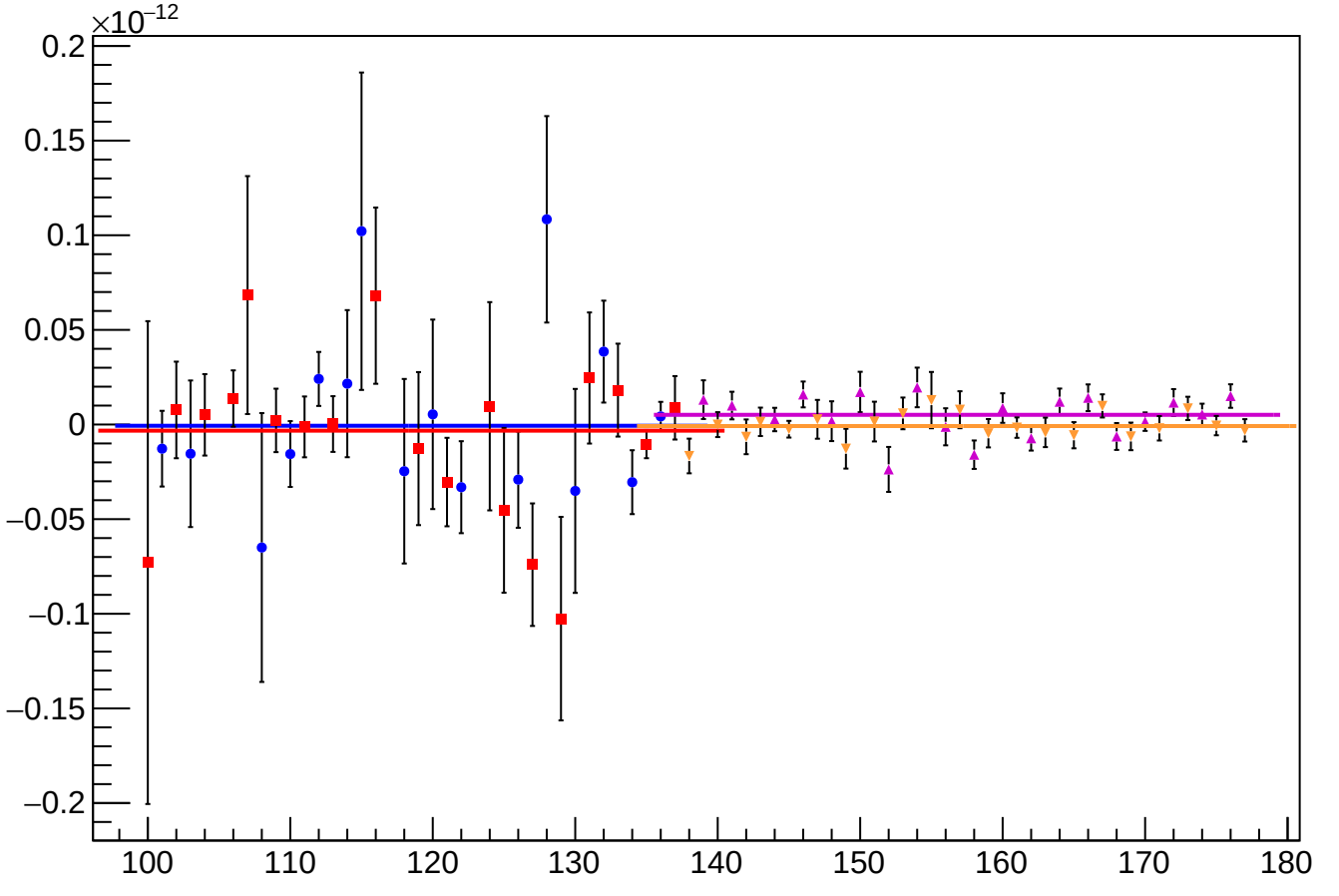
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.158+/-0.003 χ^2/NDF:2945525.3/18

+ sign 16.255+/-0.003 χ^2/NDF: 4434225.0/36

All: 16.152+/-0.002 χ^2/NDF: 9025890.5/74

- sign 16.047+/-0.003 χ^2/NDF: 4588431.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/20

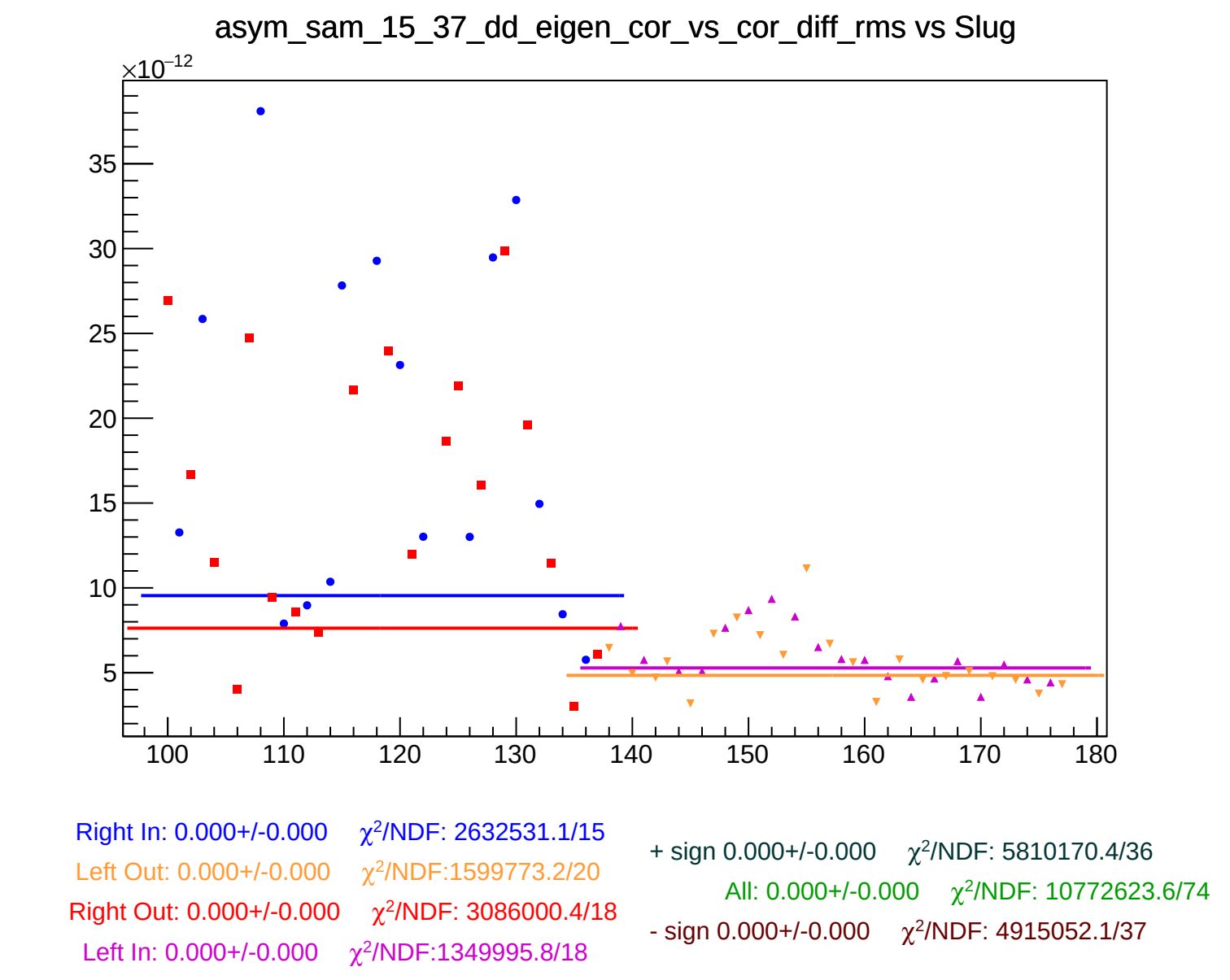
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:34.1/18

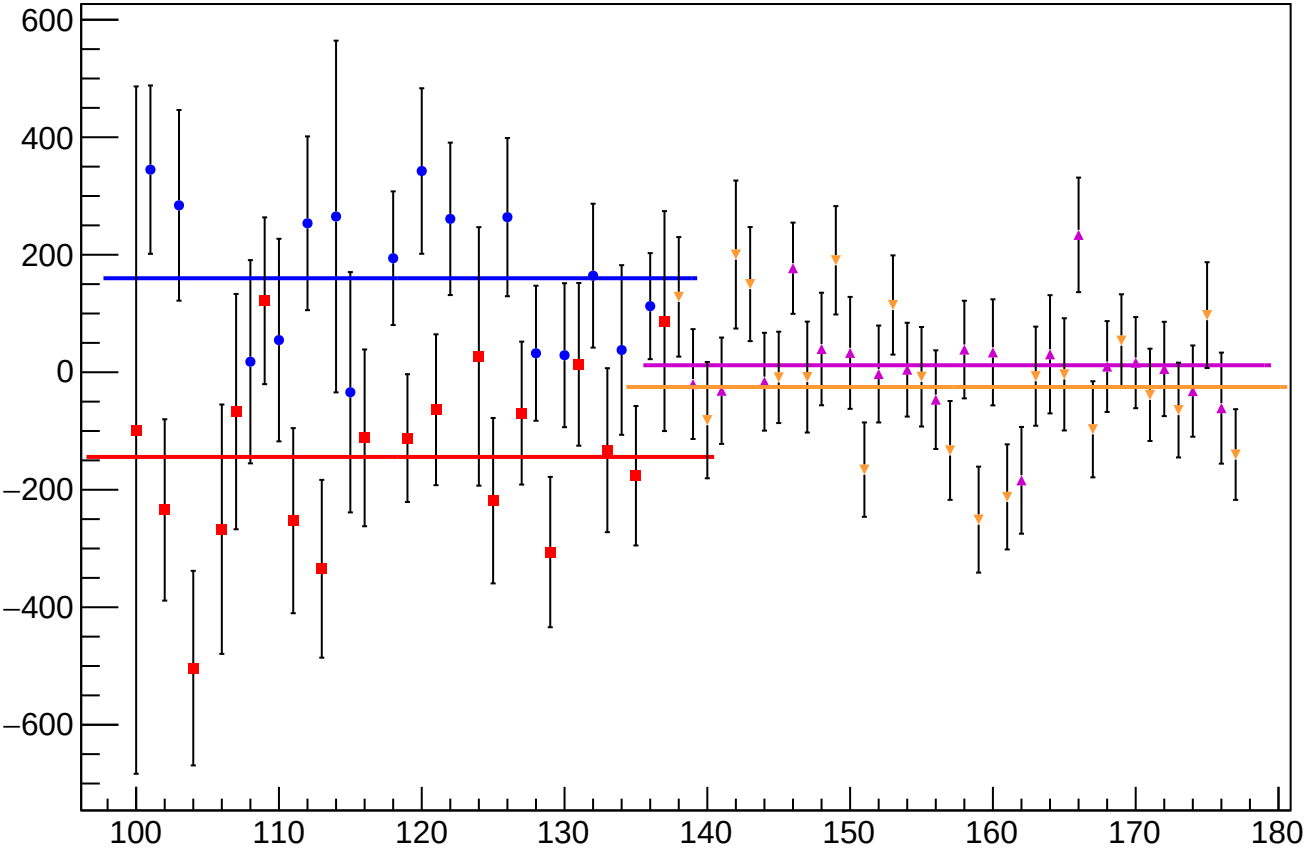
+ sign -0.000+/-0.000 χ^2/NDF: 34.6/36

All: 0.000+/-0.000 χ^2/NDF: 96.2/74

- sign 0.000+/-0.000 χ^2/NDF: 56.4/37


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:1599773.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:1349995.8/18
+ sign 0.000+/-0.000 χ²/NDF: 5810170.4/36
All: 0.000+/-0.000 χ²/NDF: 10772623.6/74
- sign 0.000+/-0.000 χ²/NDF: 4915052.1/37

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.086+/-19.055 χ^2/NDF:38.9/20

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

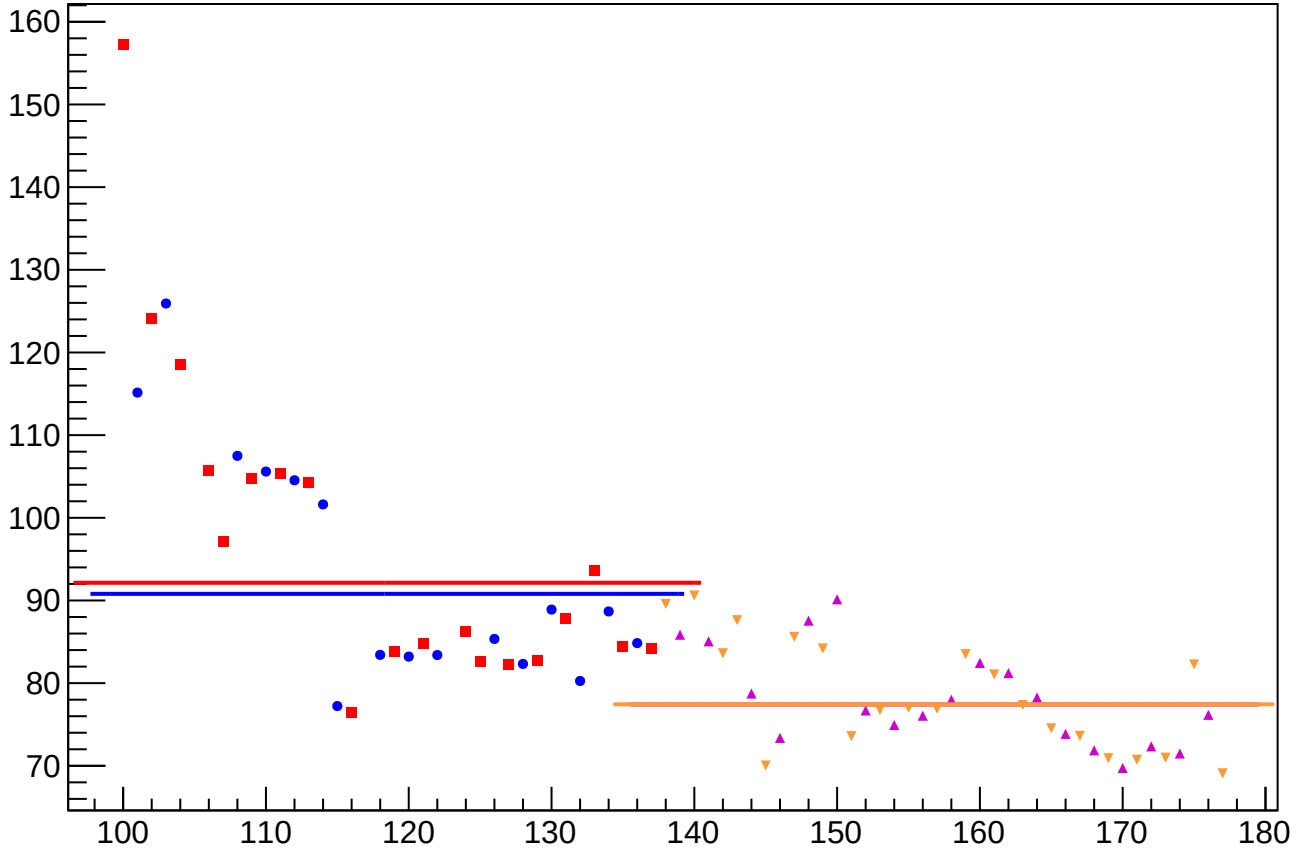
Left In: 11.929+/-19.723 χ^2/NDF:16.6/18

+ sign 18.824+/-16.642 χ^2/NDF: 72.4/36

All: -3.480+/-11.922 χ^2/NDF: 125.7/74

- sign -26.993+/-17.087 χ^2/NDF: 49.6/37

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 77.439+/-0.013 χ^2/NDF:228039.4/20

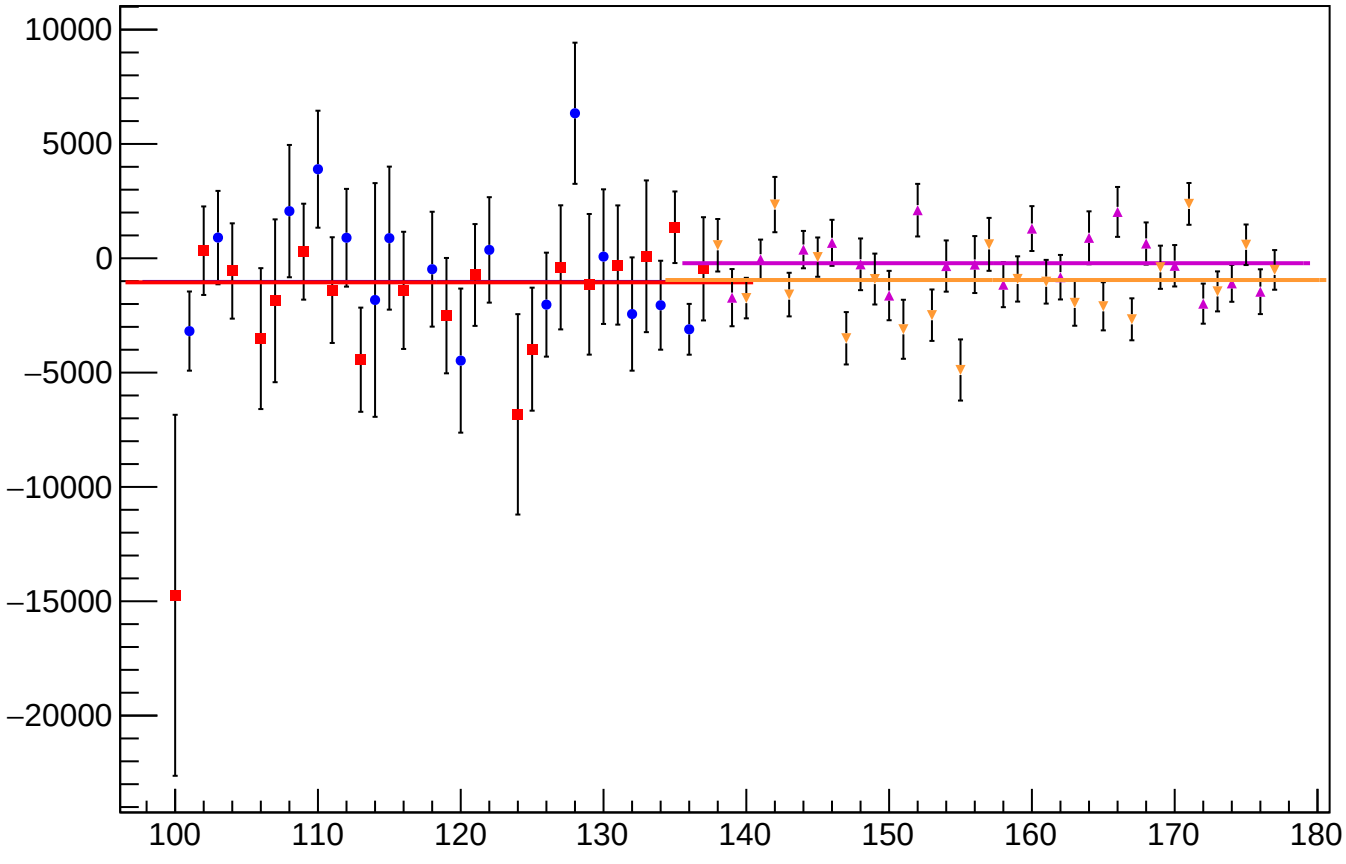
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

+ sign 80.609+/-0.012 χ^2/NDF: 734105.4/36

All: 80.843+/-0.008 χ^2/NDF: 1474649.3/74

- sign 81.090+/-0.012 χ^2/NDF: 739731.5/37



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -950.906+/-218.916 χ^2/NDF:54.8/20

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

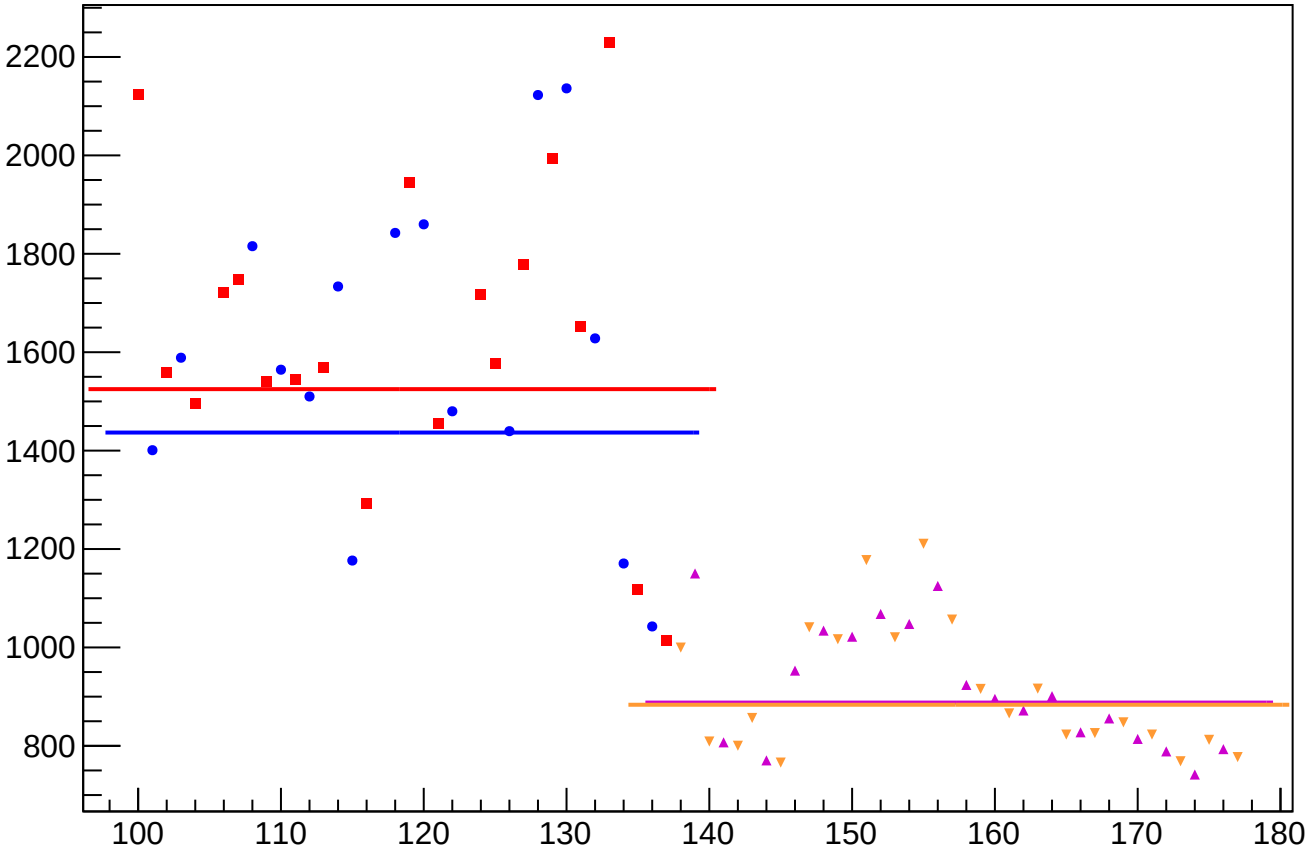
Left In: -215.394+/-227.654 χ^2/NDF:25.2/18

+ sign -962.404+/-203.407 χ^2/NDF: 75.1/36

All: -658.706+/-146.562 χ^2/NDF: 119.7/74

- sign -330.791+/-211.361 χ^2/NDF: 40.0/37

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 883.537+/-0.155 χ^2/NDF:555974.7/20

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

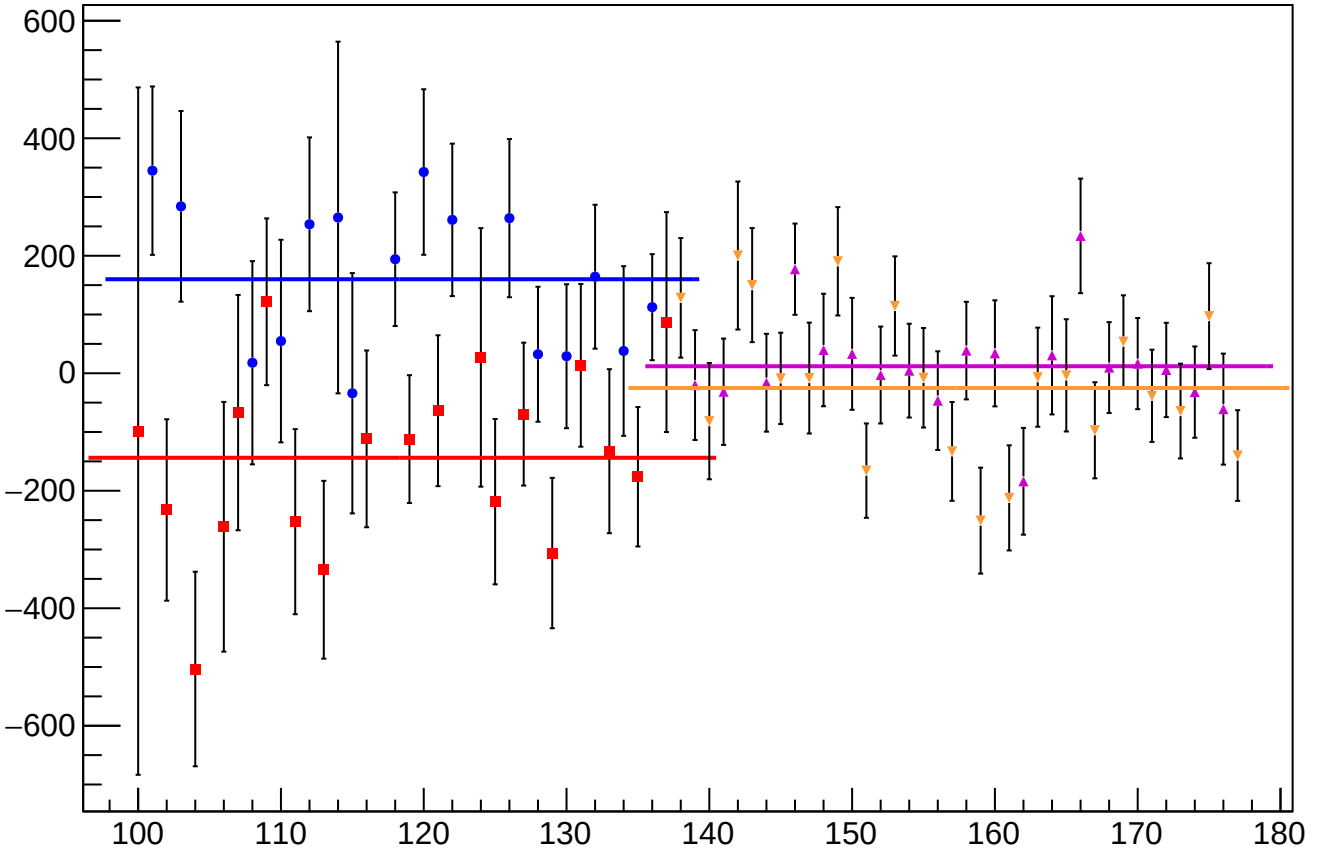
Left In: 887.926+/-0.161 χ^2/NDF:517120.3/18

+ sign 959.143+/-0.144 χ^2/NDF: 2977124.7/36

All: 967.174+/-0.104 χ^2/NDF: 6166636.7/74

- sign 975.845+/-0.149 χ^2/NDF: 3183028.0/37

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.084+/-19.055 χ^2/NDF:38.9/20

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

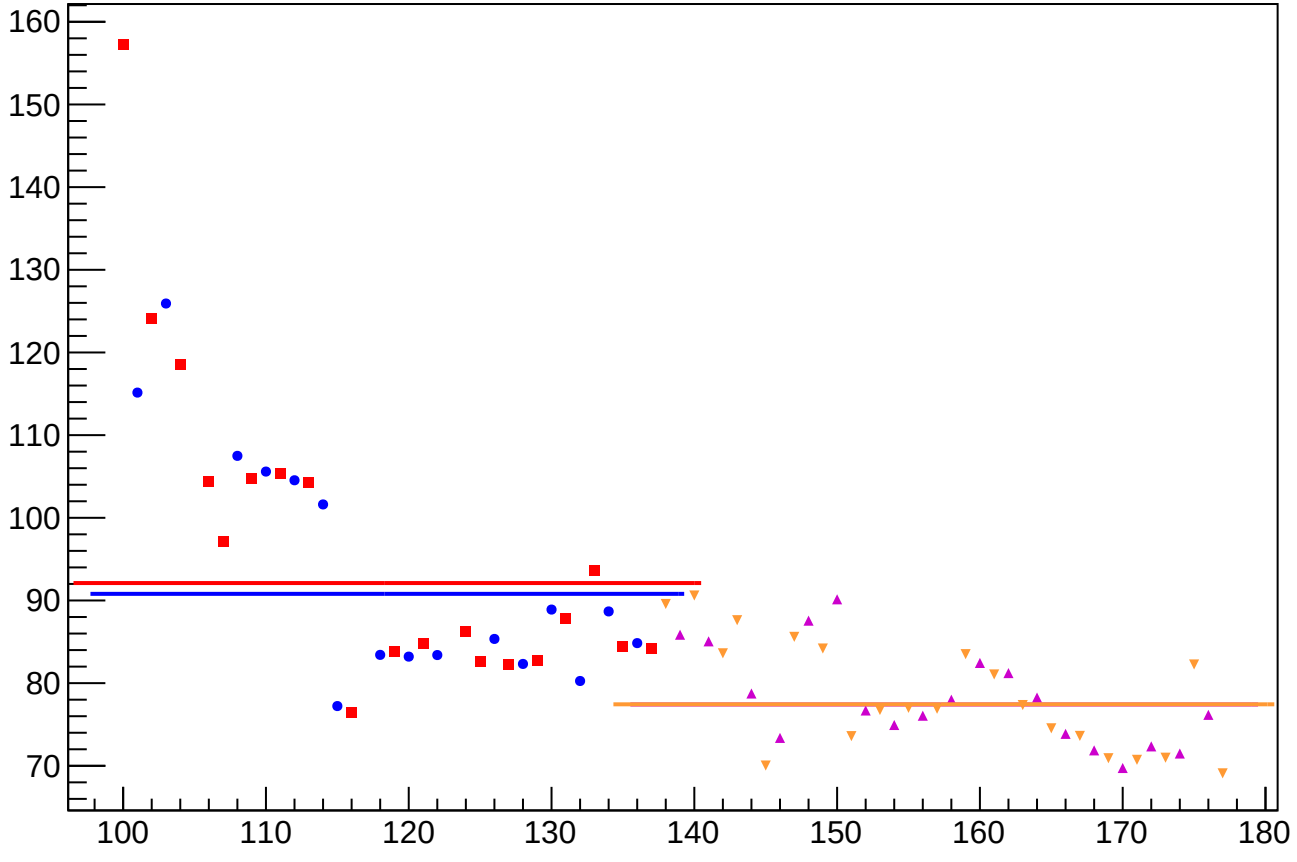
Left In: 11.931+/-19.723 χ^2/NDF:16.6/18

+ sign 18.825+/-16.642 χ^2/NDF: 72.4/36

All: -3.446+/-11.922 χ^2/NDF: 125.6/74

- sign -26.924+/-17.087 χ^2/NDF: 49.5/37

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.439+/-0.013 χ^2/NDF:228039.4/20

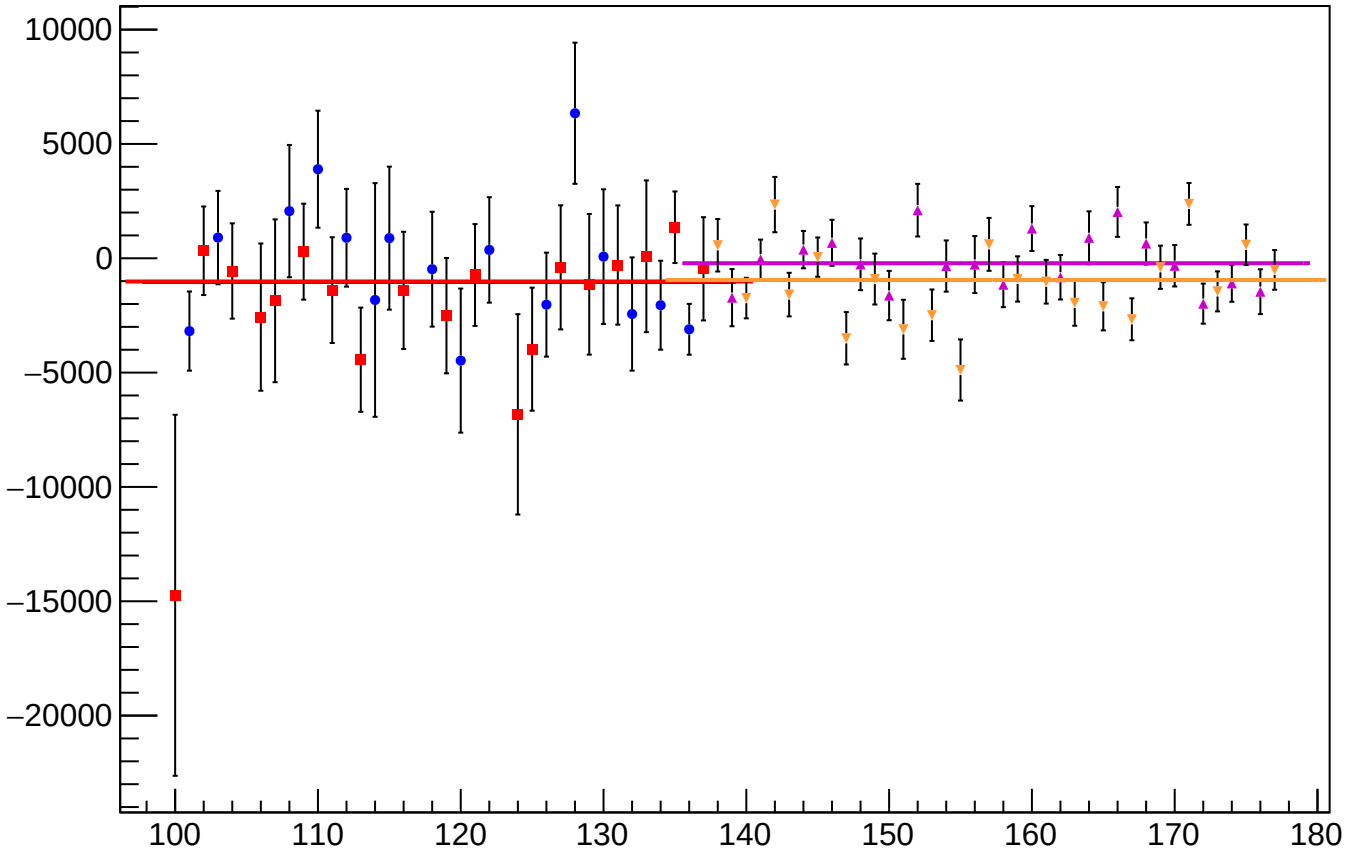
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

+ sign 80.609+/-0.012 χ^2/NDF: 734107.4/36

All: 80.839+/-0.008 χ^2/NDF: 1472084.1/74

- sign 81.081+/-0.012 χ^2/NDF: 737193.1/37



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -950.903+/-218.916 χ^2/NDF:54.8/20

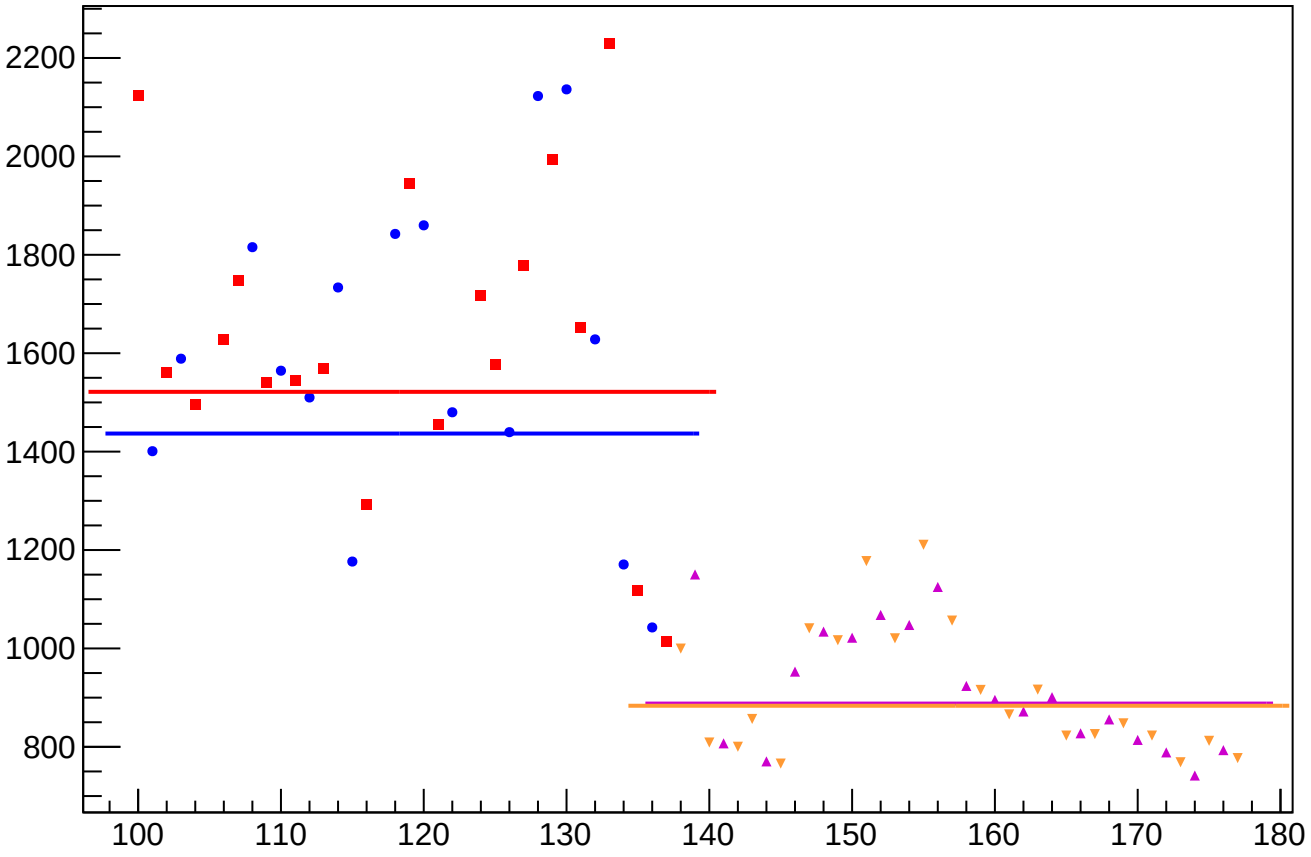
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -215.395+/-227.654 χ^2/NDF:25.2/18

+ sign -962.397+/-203.407 χ^2/NDF: 75.1/36

All: -656.236+/-146.576 χ^2/NDF: 119.1/74

- sign -325.526+/-211.404 χ^2/NDF: 39.4/37



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 883.536+/-0.155 χ^2/NDF:555976.1/20

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

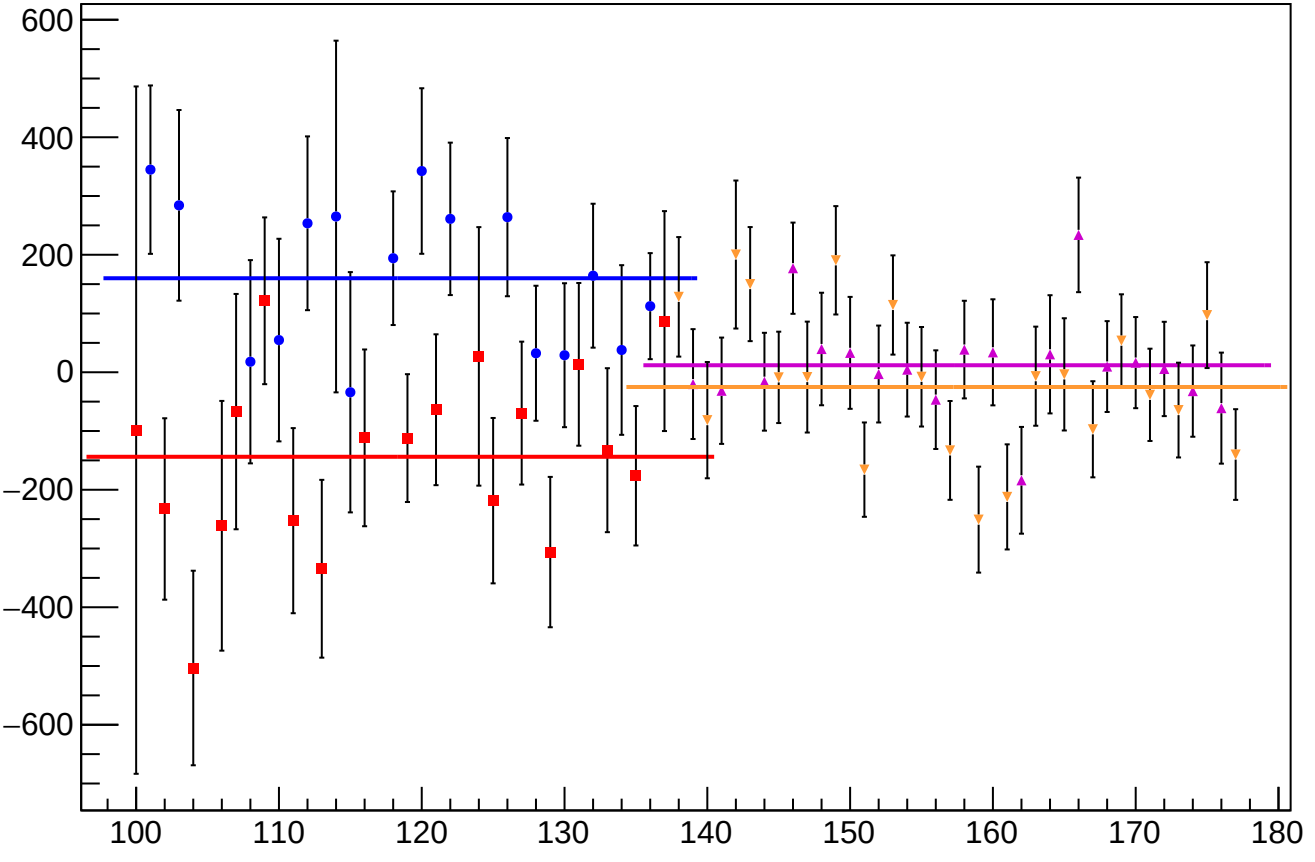
Left In: 887.926+/-0.161 χ^2/NDF:517120.1/18

+ sign 959.143+/-0.144 χ^2/NDF: 2977149.8/36

All: 966.836+/-0.104 χ^2/NDF: 6131099.2/74

- sign 975.147+/-0.149 χ^2/NDF: 3147997.7/37

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.084+/-19.055 χ^2/NDF:38.9/20

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

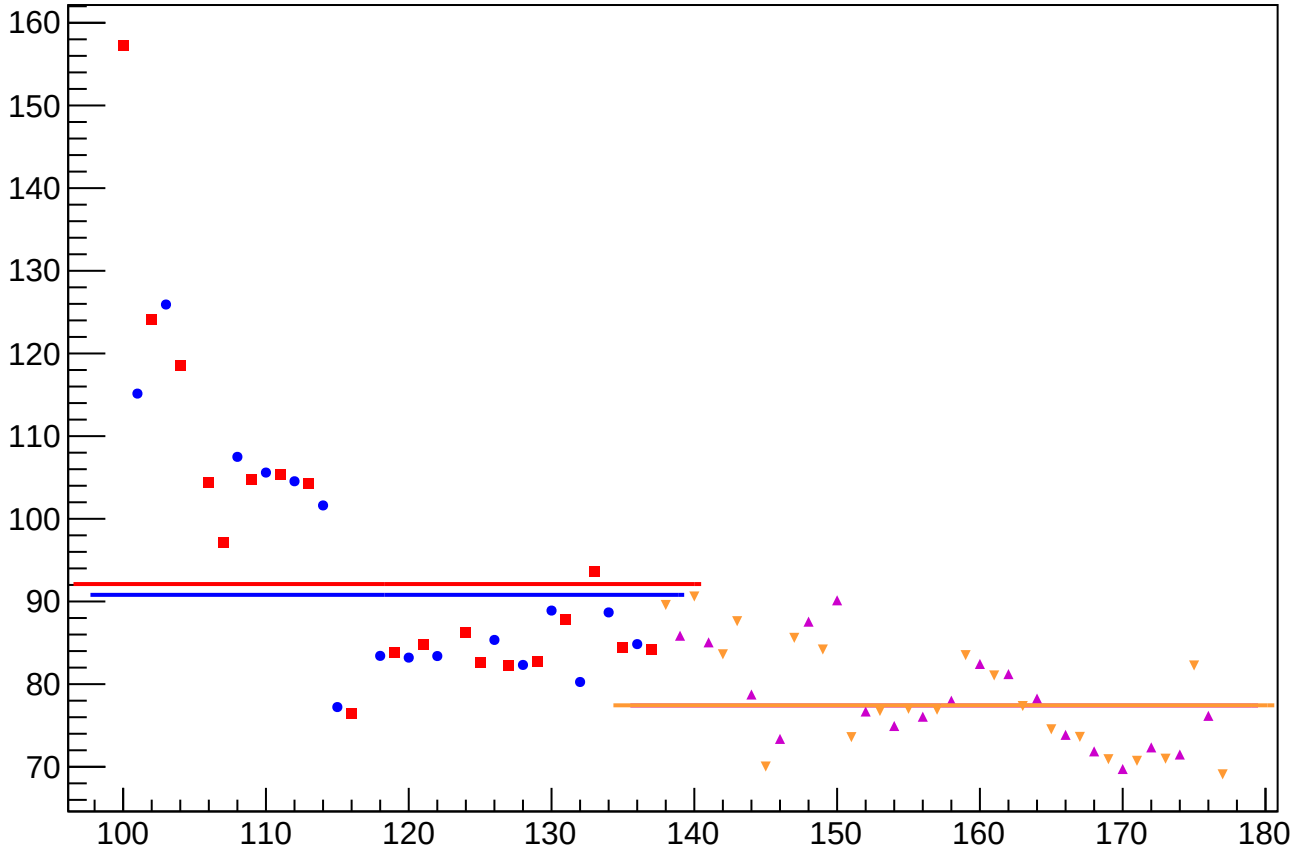
Left In: 11.931+/-19.723 χ^2/NDF:16.6/18

+ sign 18.825+/-16.642 χ^2/NDF: 72.4/36

All: -3.446+/-11.922 χ^2/NDF: 125.6/74

- sign -26.924+/-17.087 χ^2/NDF: 49.5/37

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.439+/-0.013 χ^2/NDF:228039.4/20

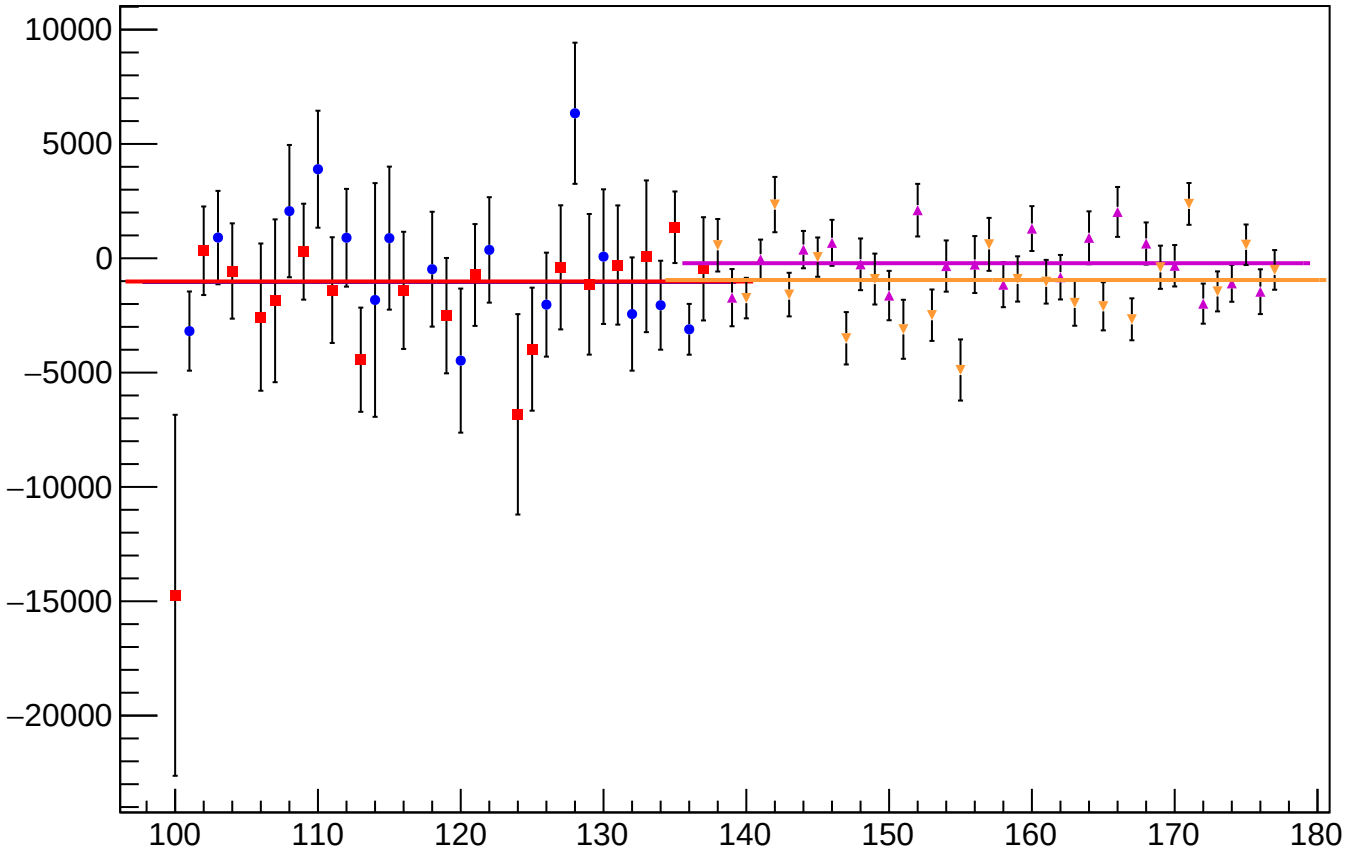
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

+ sign 80.609+/-0.012 χ^2/NDF: 734107.4/36

All: 80.839+/-0.008 χ^2/NDF: 1472084.1/74

- sign 81.081+/-0.012 χ^2/NDF: 737193.1/37



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -950.903+/-218.916 χ^2/NDF:54.8/20

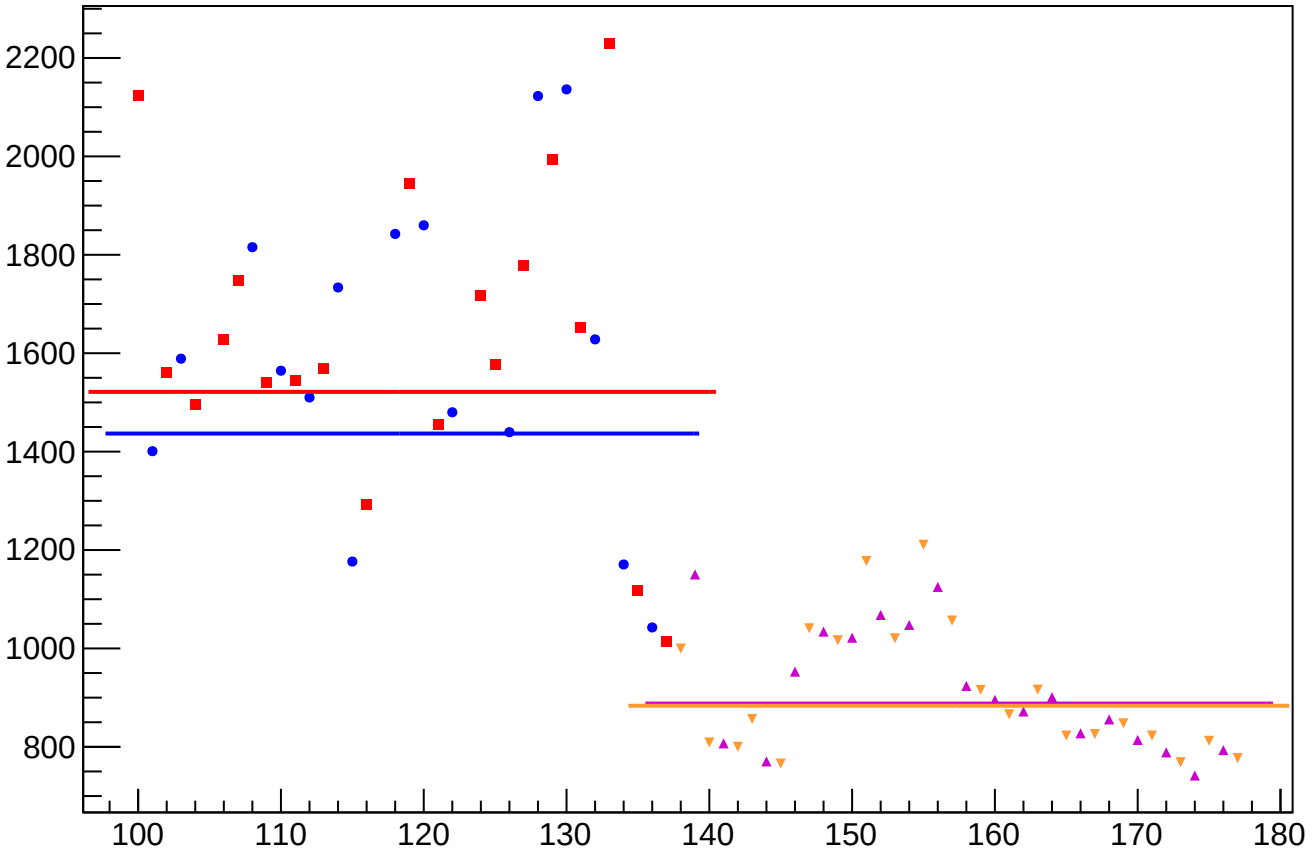
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -215.395+/-227.654 χ^2/NDF:25.2/18

+ sign -962.397+/-203.407 χ^2/NDF: 75.1/36

All: -656.236+/-146.576 χ^2/NDF: 119.1/74

- sign -325.526+/-211.404 χ^2/NDF: 39.4/37



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 883.536+/-0.155 χ^2/NDF:555976.1/20

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

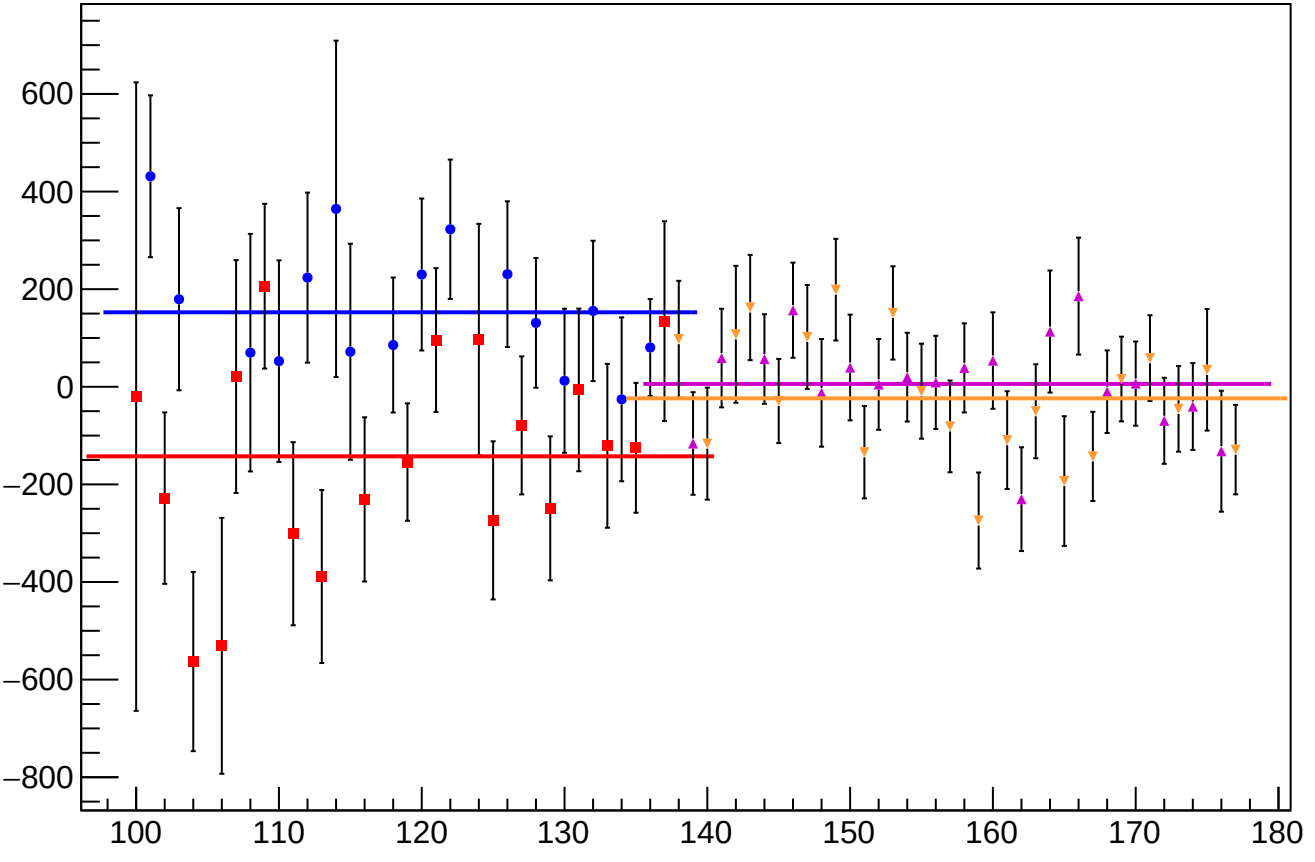
Left In: 887.926+/-0.161 χ^2/NDF:517120.1/18

+ sign 959.143+/-0.144 χ^2/NDF: 2977149.8/36

All: 966.836+/-0.104 χ^2/NDF: 6131099.2/74

- sign 975.147+/-0.149 χ^2/NDF: 3147997.7/37

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -23.611+/-21.817 χ^2/NDF:29.9/20

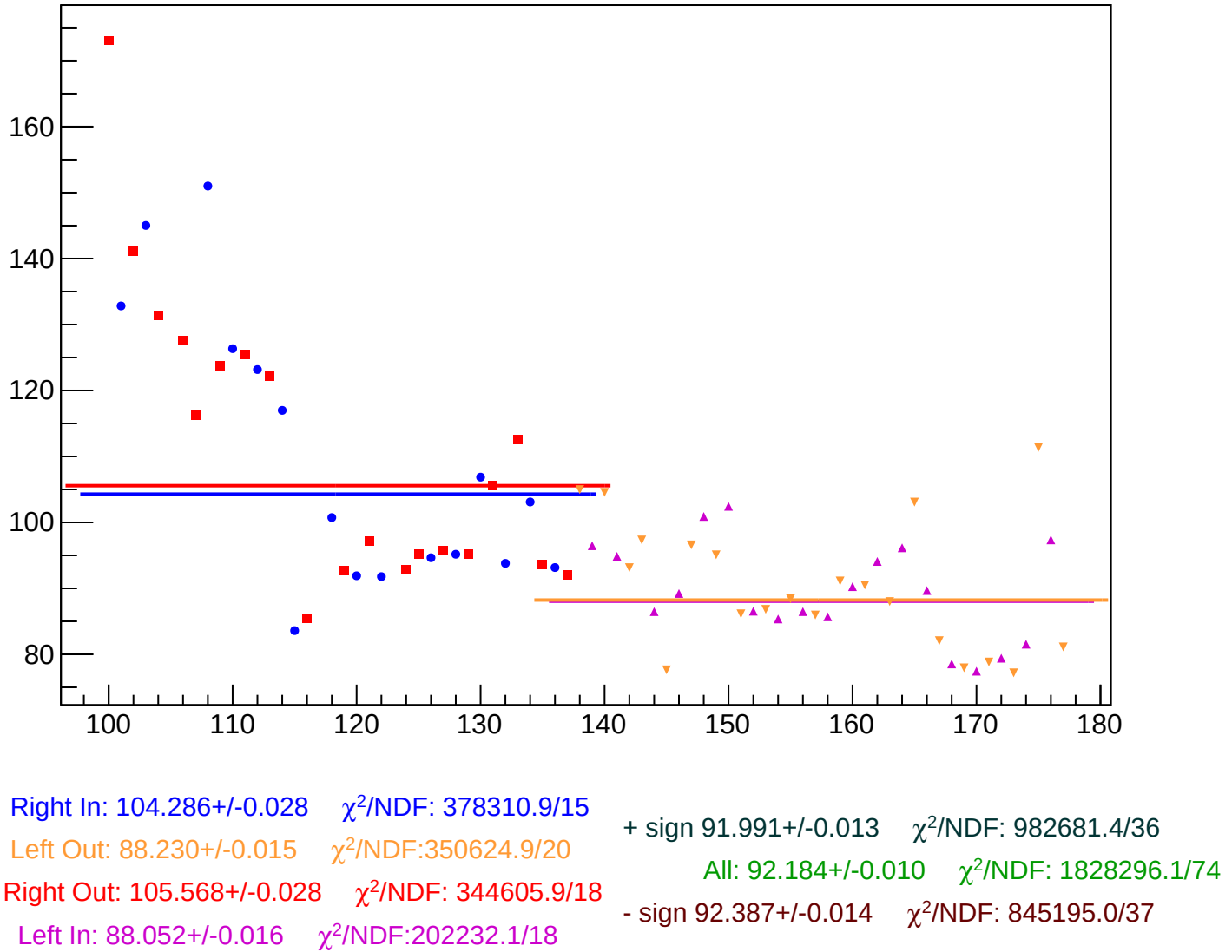
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

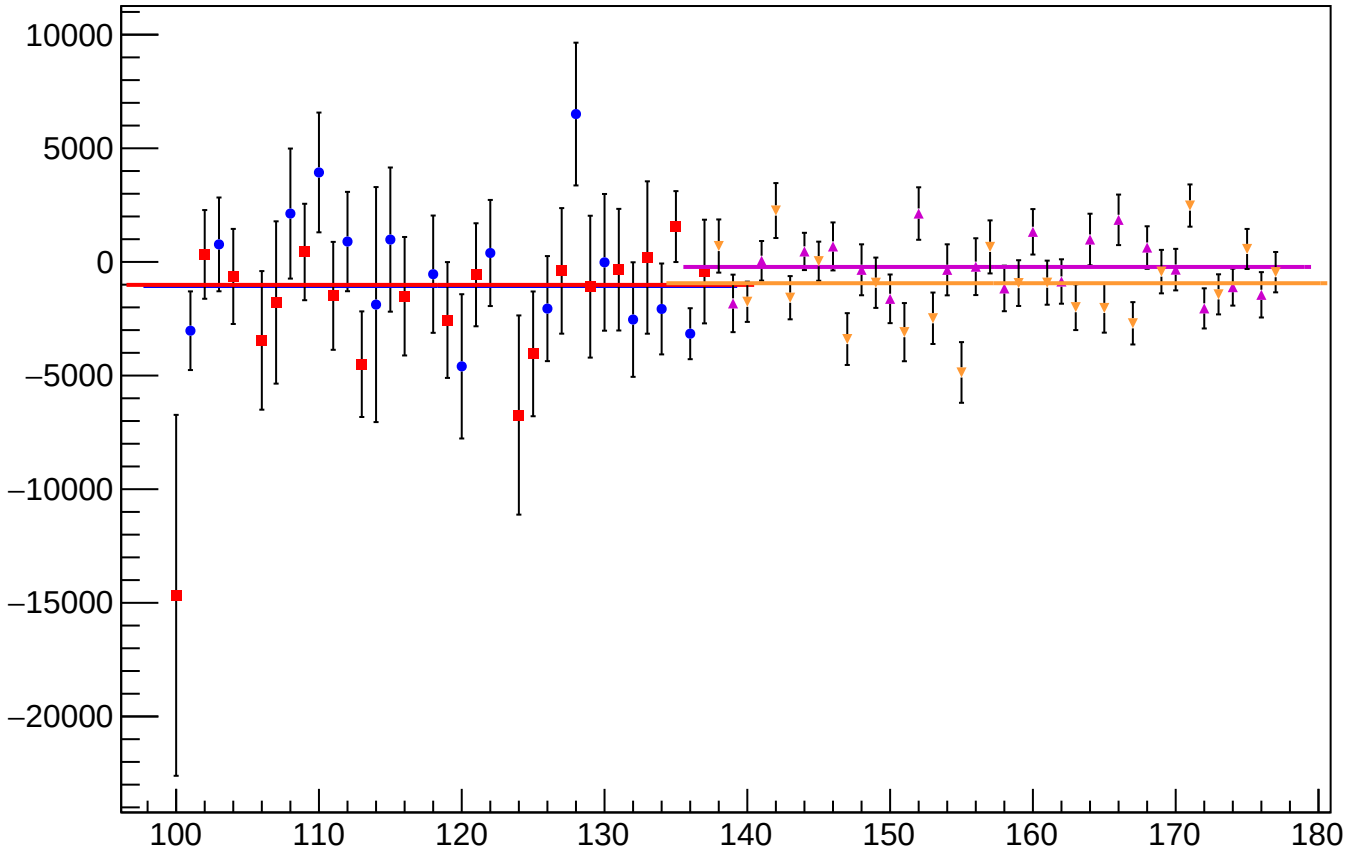
Left In: 5.869+/-22.560 χ^2/NDF:15.0/18

+ sign 17.671+/-19.091 χ^2/NDF: 53.8/36

All: -5.987+/-13.666 χ^2/NDF: 105.6/74

- sign -30.846+/-19.570 χ^2/NDF: 48.7/37


dit_asym_sam_24_68_dd_rms vs Slug
160
140
120
100
80
100
110
120
130
140
150
160
170
180
Right In: 104.286+/-0.028 χ²/NDF: 378310.9/15
Left Out: 88.230+/-0.015 χ²/NDF:350624.9/20
Right Out: 105.568+/-0.028 χ²/NDF: 344605.9/18
Left In: 88.052+/-0.016 χ²/NDF:202232.1/18
+ sign 91.991+/-0.013 χ²/NDF: 982681.4/36
All: 92.184+/-0.010 χ²/NDF: 1828296.1/74
- sign 92.387+/-0.014 χ²/NDF: 845195.0/37



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -936.542+/-220.623 χ^2/NDF:54.4/20

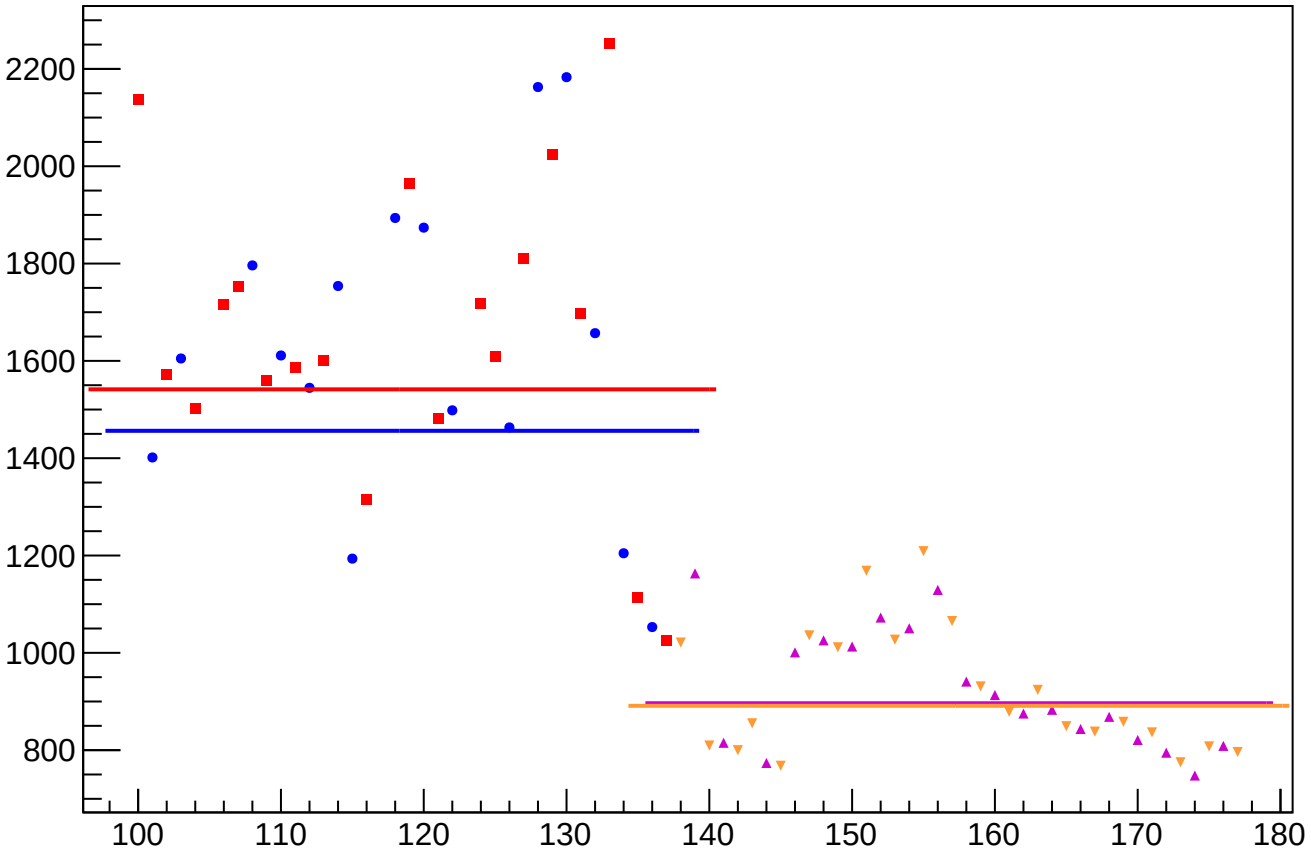
Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: -220.890+/-229.743 χ^2/NDF:25.1/18

+ sign -953.164+/-205.150 χ^2/NDF: 74.5/36

All: -653.534+/-147.877 χ^2/NDF: 119.0/74

- sign -329.477+/-213.349 χ^2/NDF: 40.1/37



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 891.134+/-0.156 χ^2/NDF:533173.4/20

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

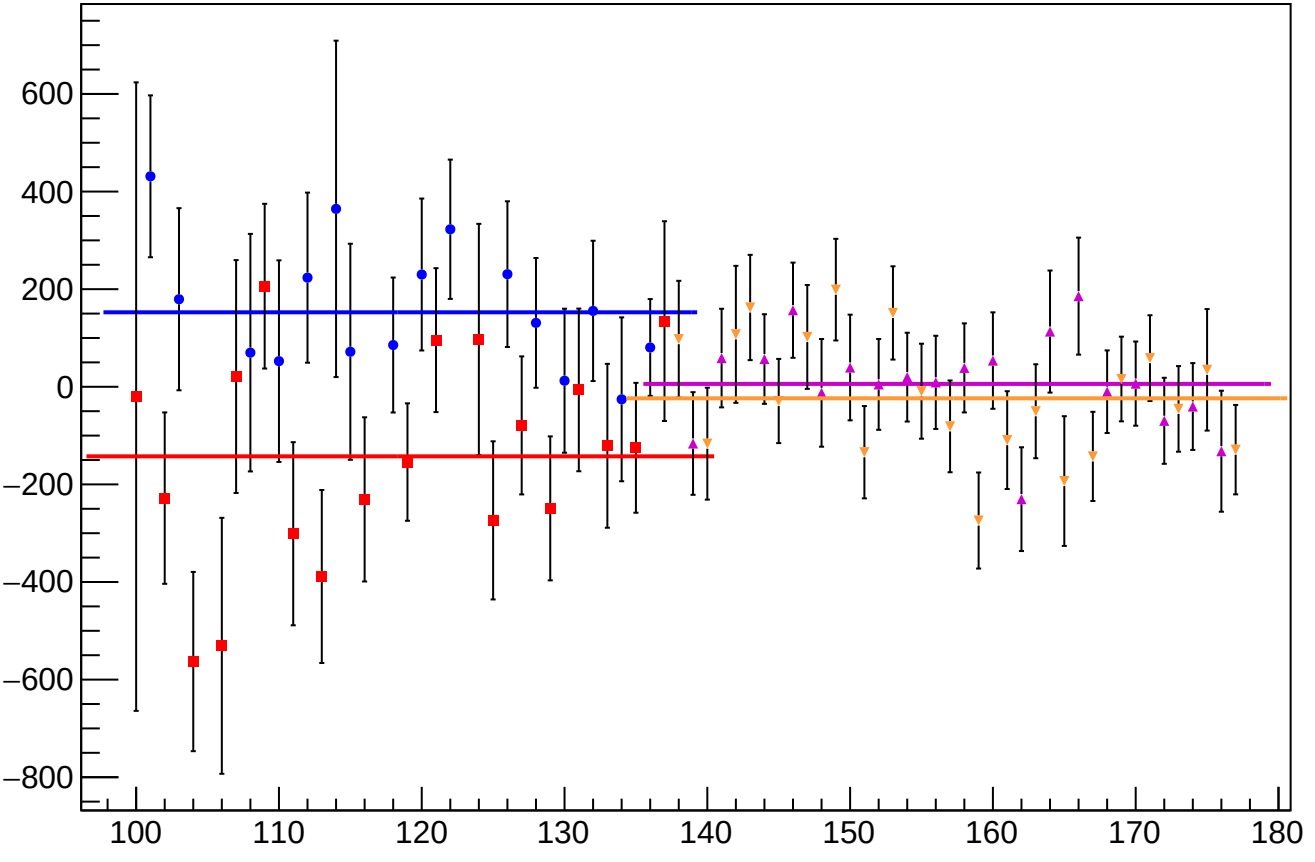
Left In: 896.419+/-0.162 χ^2/NDF:508957.3/18

\+ sign 967.625+/-0.145 χ^2/NDF: 2994277.6/36

All: 976.068+/-0.105 χ^2/NDF: 6199820.8/74

\- sign 985.200+/-0.151 χ^2/NDF: 3198491.1/37

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -23.612+/-21.817 χ^2/NDF:29.9/20

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

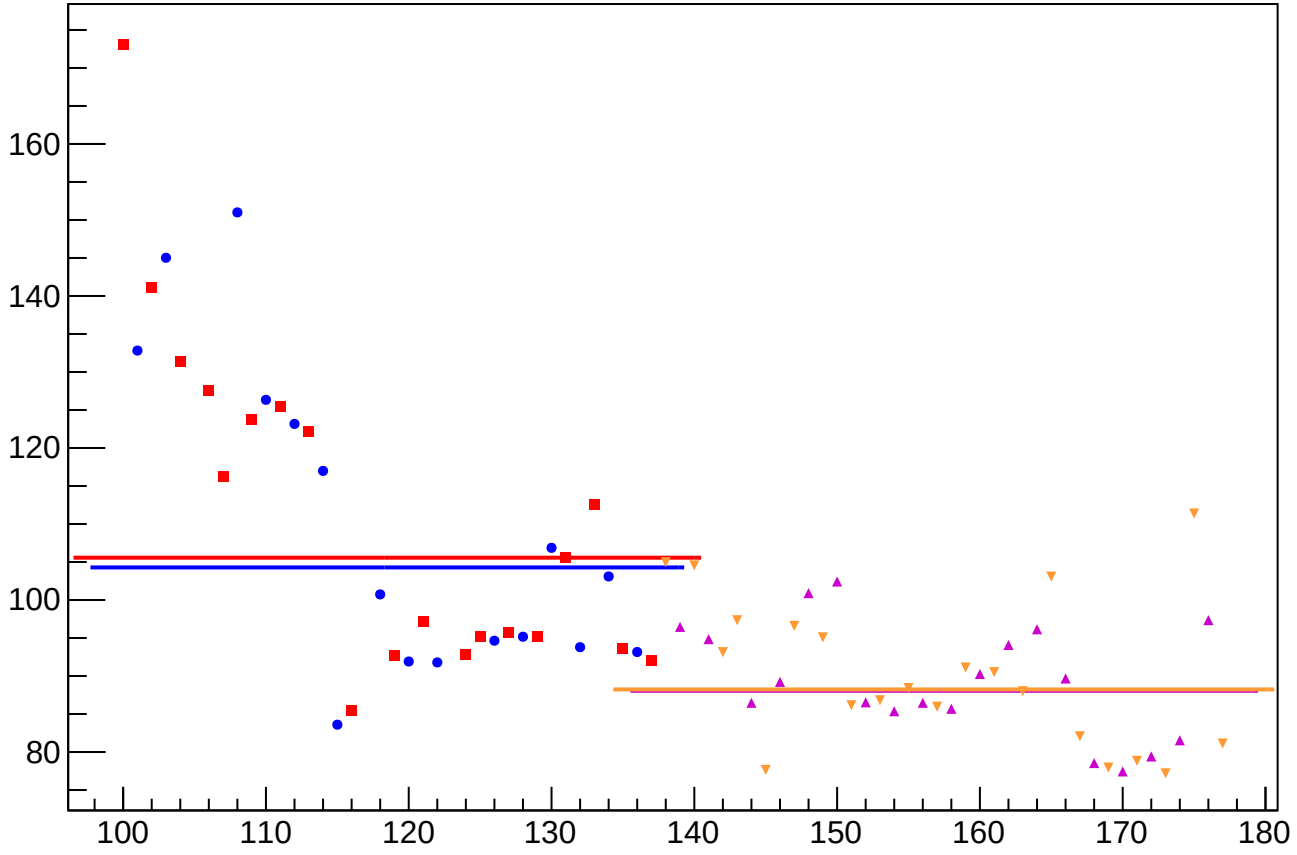
Left In: 5.869+/-22.560 χ^2/NDF:15.0/18

+ sign 17.671+/-19.091 χ^2/NDF: 53.8/36

All: -5.986+/-13.666 χ^2/NDF: 105.6/74

- sign -30.846+/-19.570 χ^2/NDF: 48.7/37

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 88.230+/-0.015 χ^2/NDF:350624.2/20

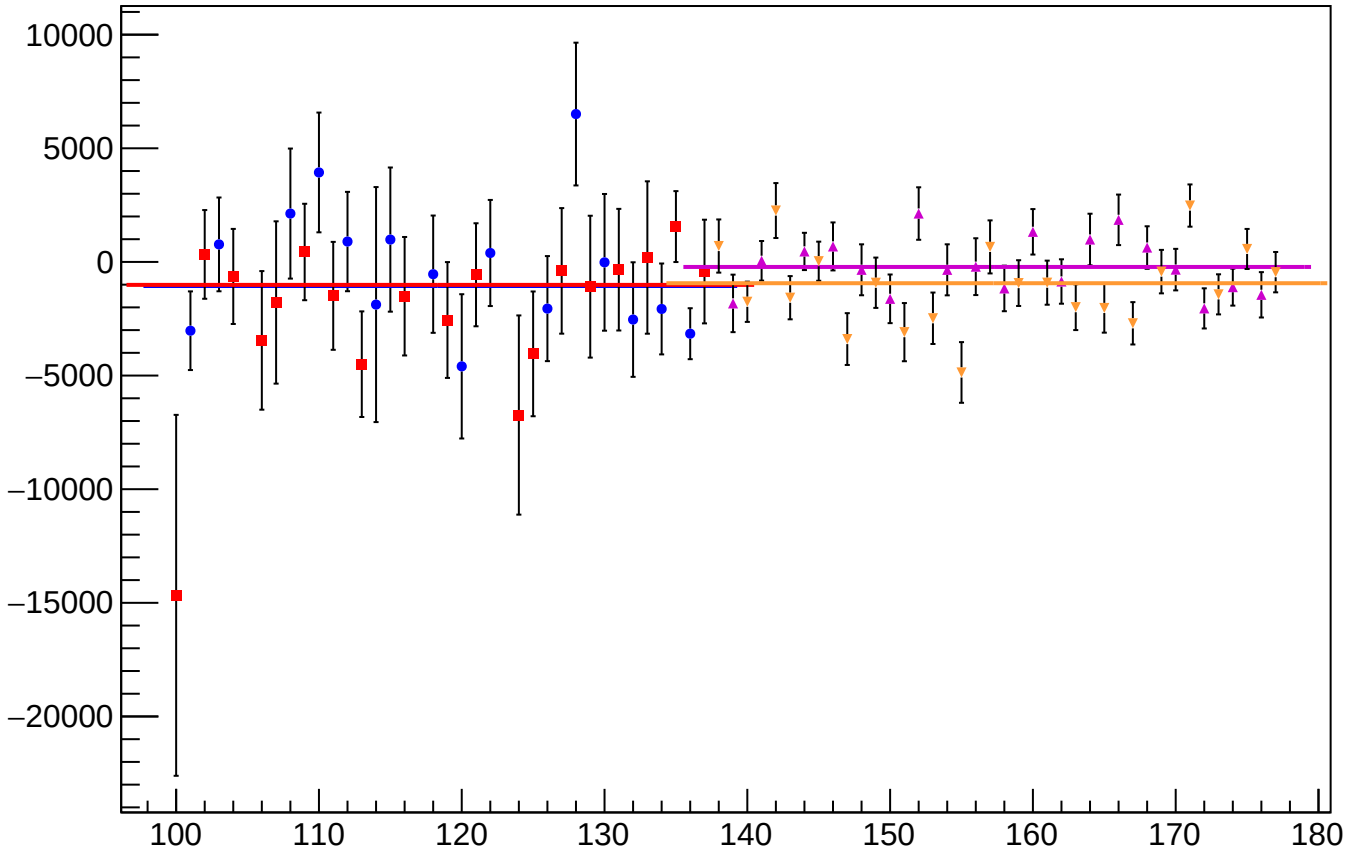
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 88.052+/-0.016 χ^2/NDF:202232.1/18

+ sign 91.991+/-0.013 χ^2/NDF: 982652.6/36

All: 92.184+/-0.010 χ^2/NDF: 1828245.2/74

- sign 92.387+/-0.014 χ^2/NDF: 845173.0/37



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -936.542+/-220.622 χ^2/NDF:54.4/20

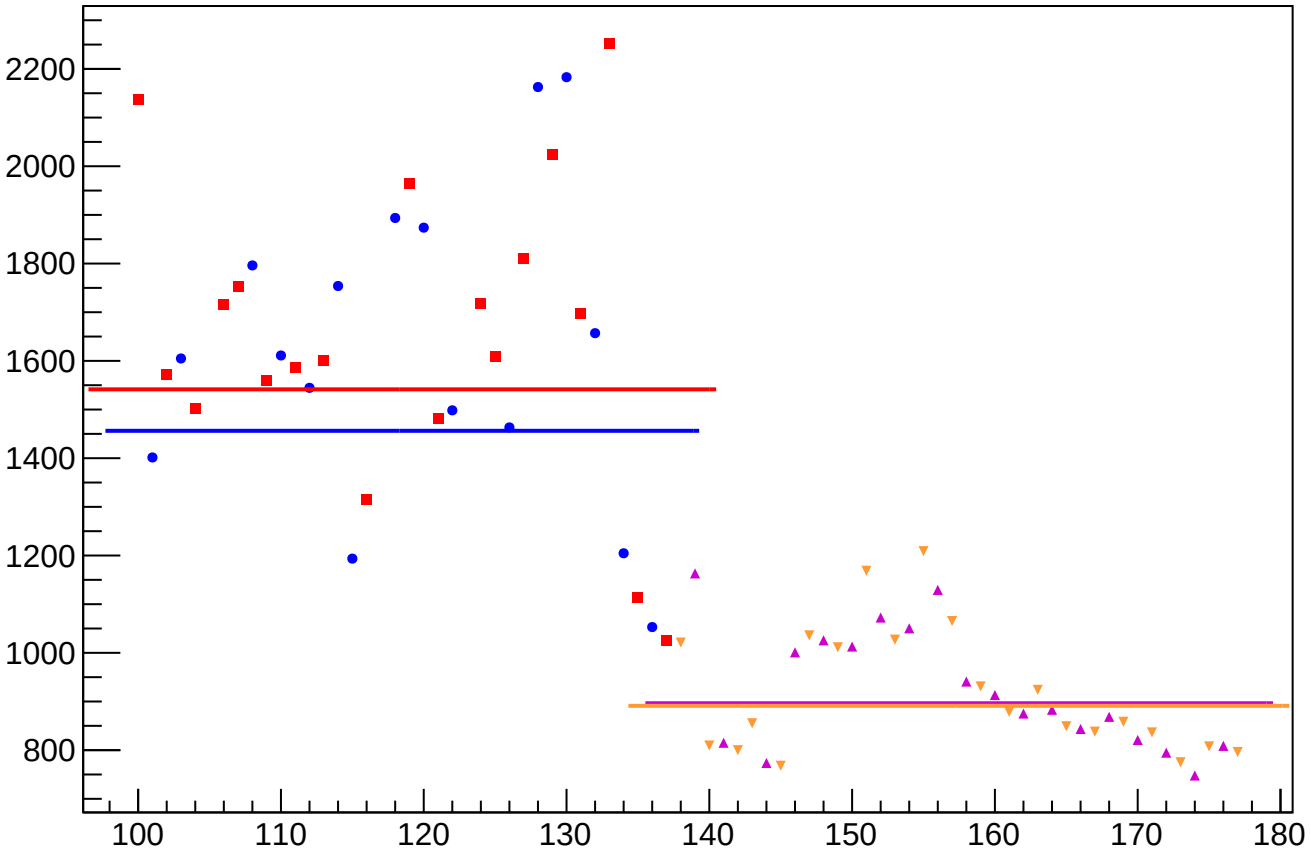
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -220.888+/-229.743 χ^2/NDF:25.1/18

\+ sign -953.163+/-205.150 χ^2/NDF: 74.5/36

All: -653.533+/-147.877 χ^2/NDF: 119.0/74

\- sign -329.476+/-213.349 χ^2/NDF: 40.1/37



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 891.134+/-0.156 χ^2/NDF:533173.2/20

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

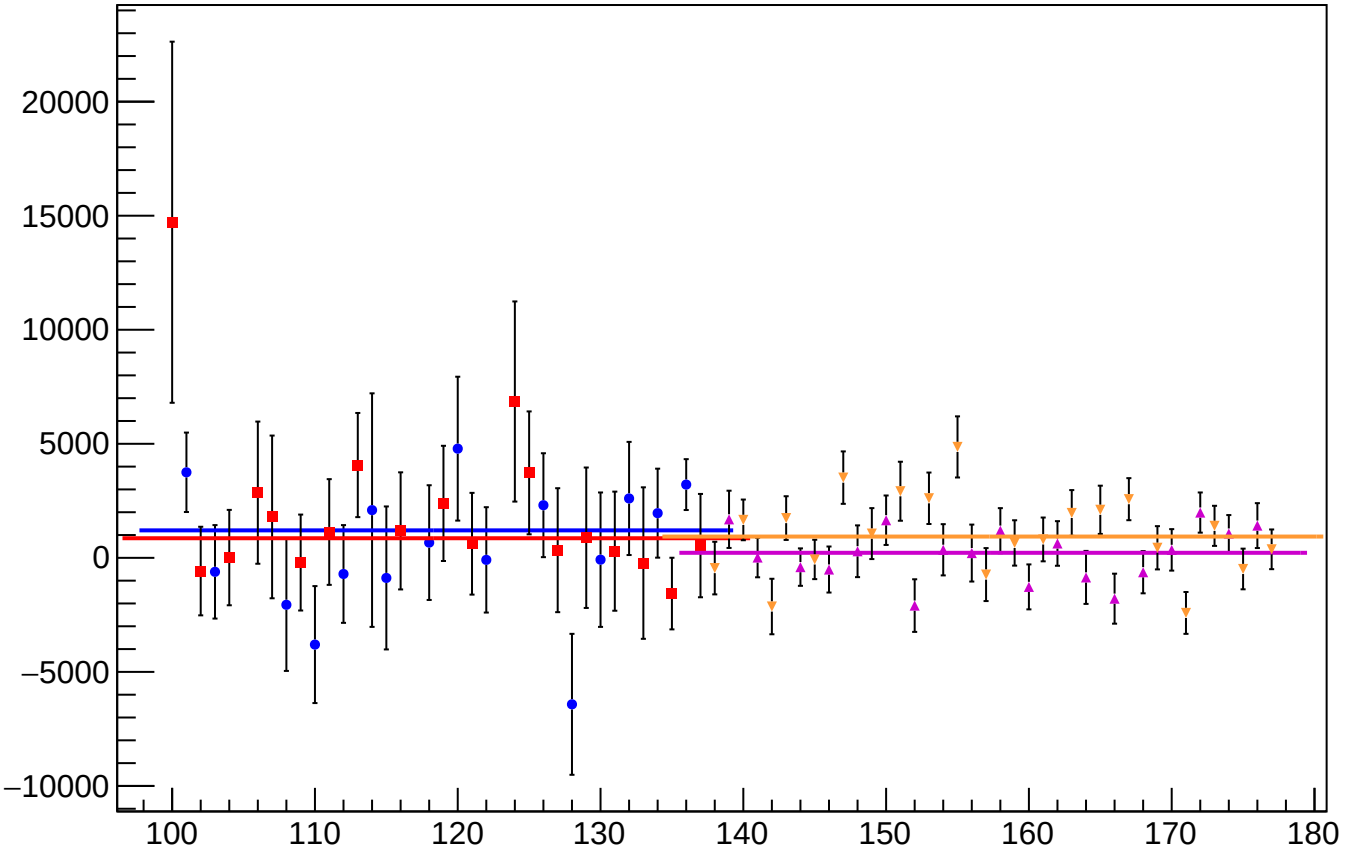
Left In: 896.418+/-0.162 χ^2/NDF:508956.4/18

\+ sign 967.624+/-0.145 χ^2/NDF: 2994267.5/36

All: 976.068+/-0.105 χ^2/NDF: 6199801.6/74

\- sign 985.200+/-0.151 χ^2/NDF: 3198482.2/37

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 933.507+/-219.824 χ^2/NDF:53.2/20

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

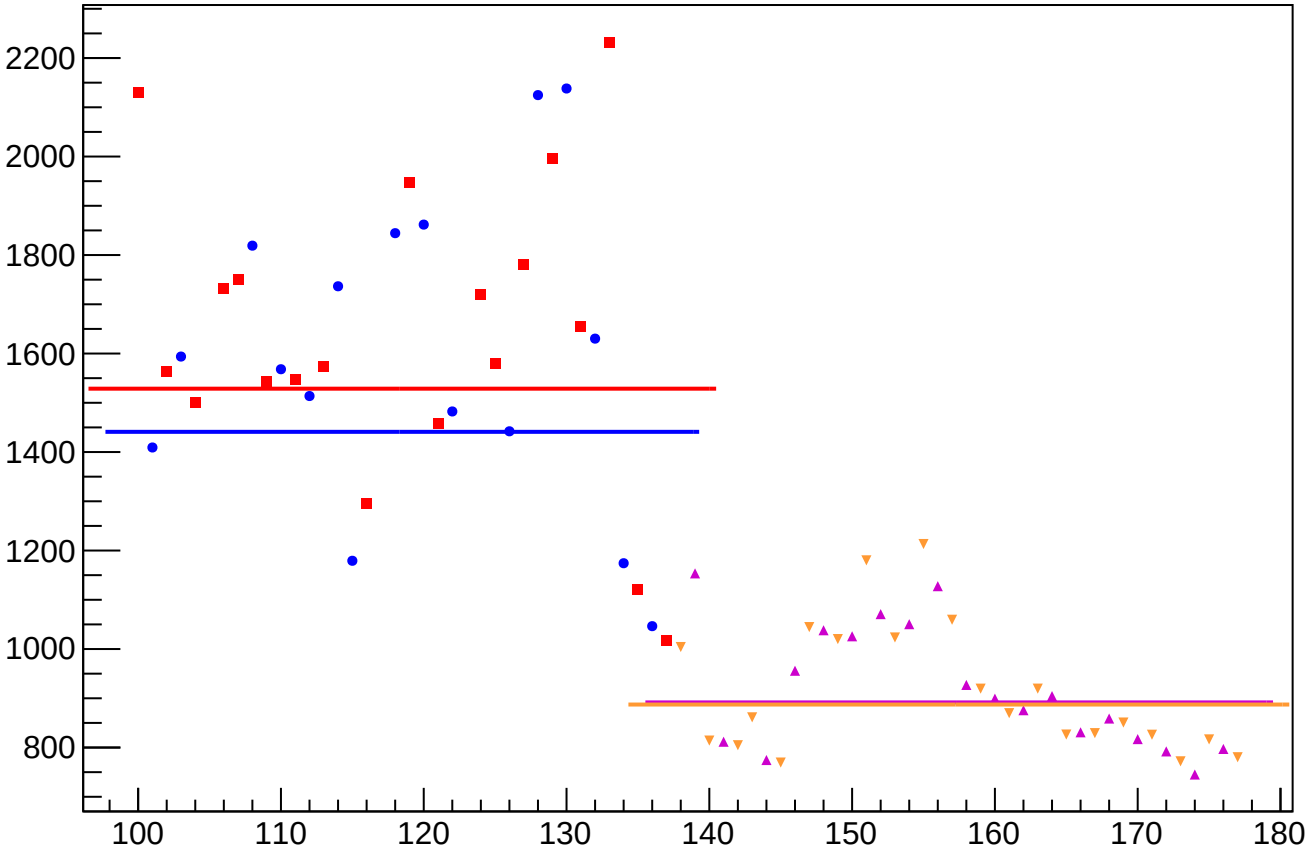
Left In: 220.905+/-228.575 χ^2/NDF:23.4/18

+ sign 970.658+/-204.212 χ^2/NDF: 74.6/36

All: 652.588+/-147.133 χ^2/NDF: 116.6/74

- sign 309.237+/-212.173 χ^2/NDF: 37.0/37

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 887.318+/-0.155 χ^2/NDF:550172.0/20

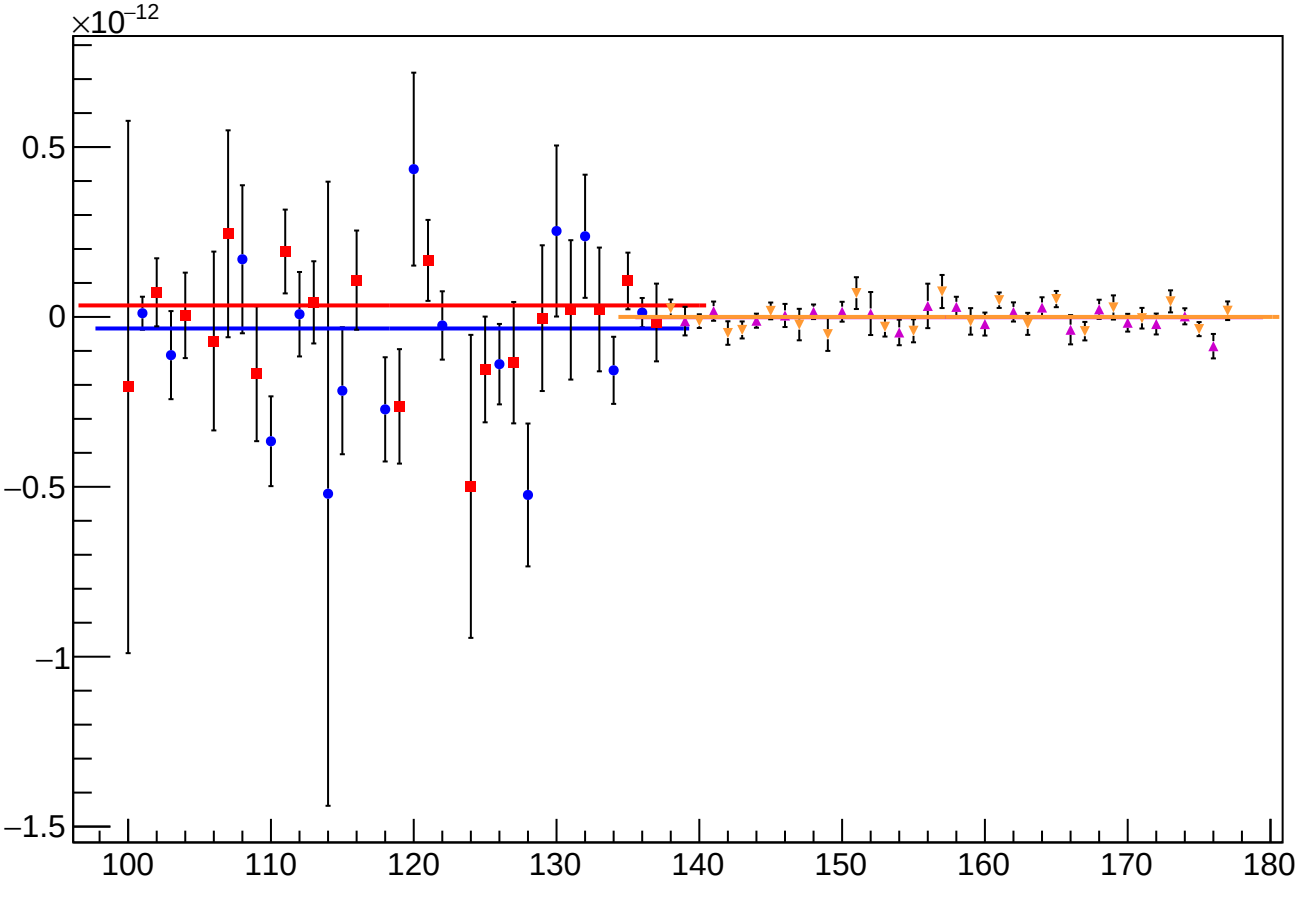
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 891.623+/-0.162 χ^2/NDF:511507.8/18

+ sign 963.174+/-0.144 χ^2/NDF: 2959253.0/36

All: 971.153+/-0.104 χ^2/NDF: 6128266.9/74

- sign 979.766+/-0.150 χ^2/NDF: 3162664.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.9/20

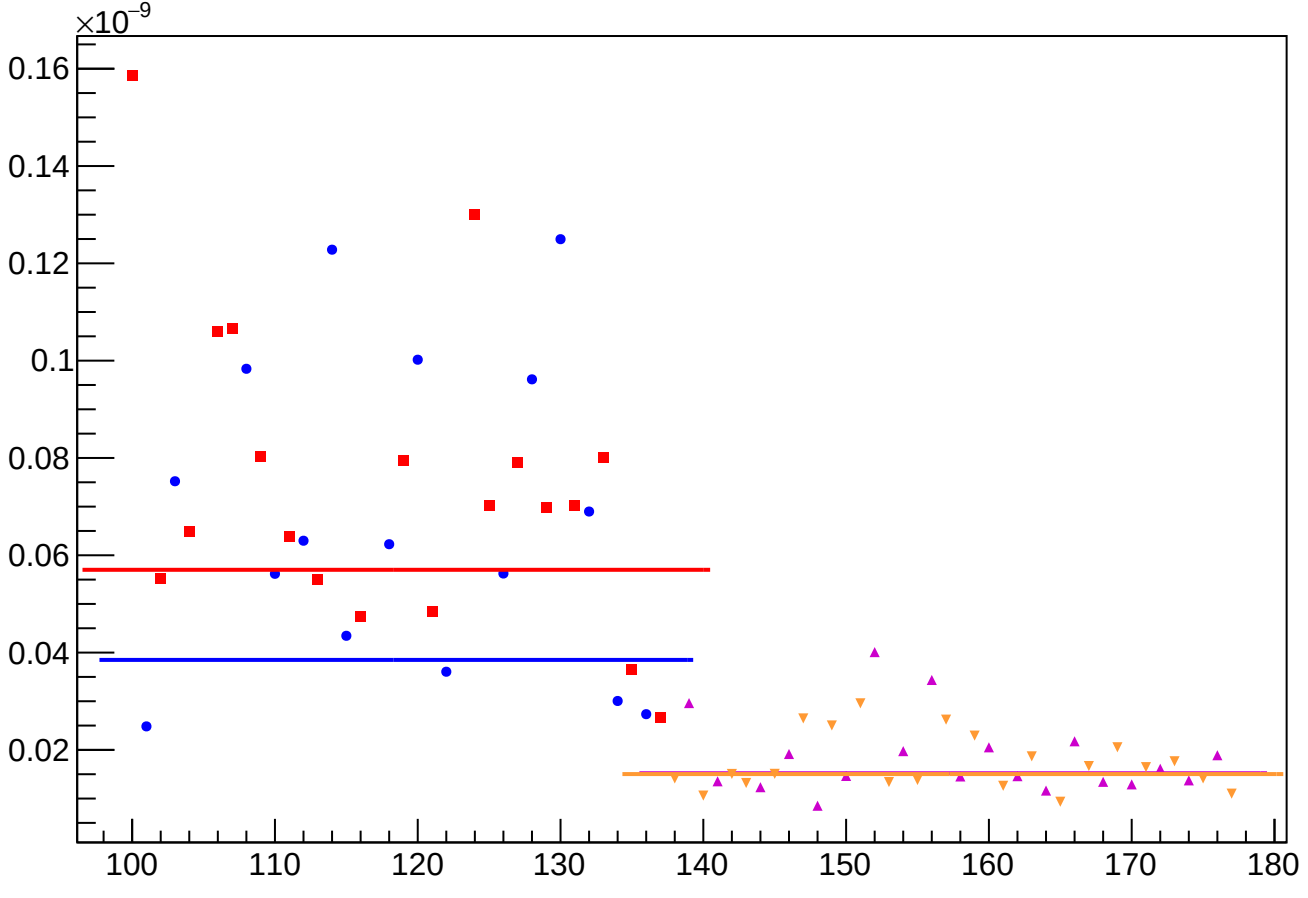
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/18

+ sign -0.000+/-0.000 χ^2/NDF: 62.0/36

All: -0.000+/-0.000 χ^2/NDF: 89.8/74

- sign 0.000+/-0.000 χ^2/NDF: 27.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:983910.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

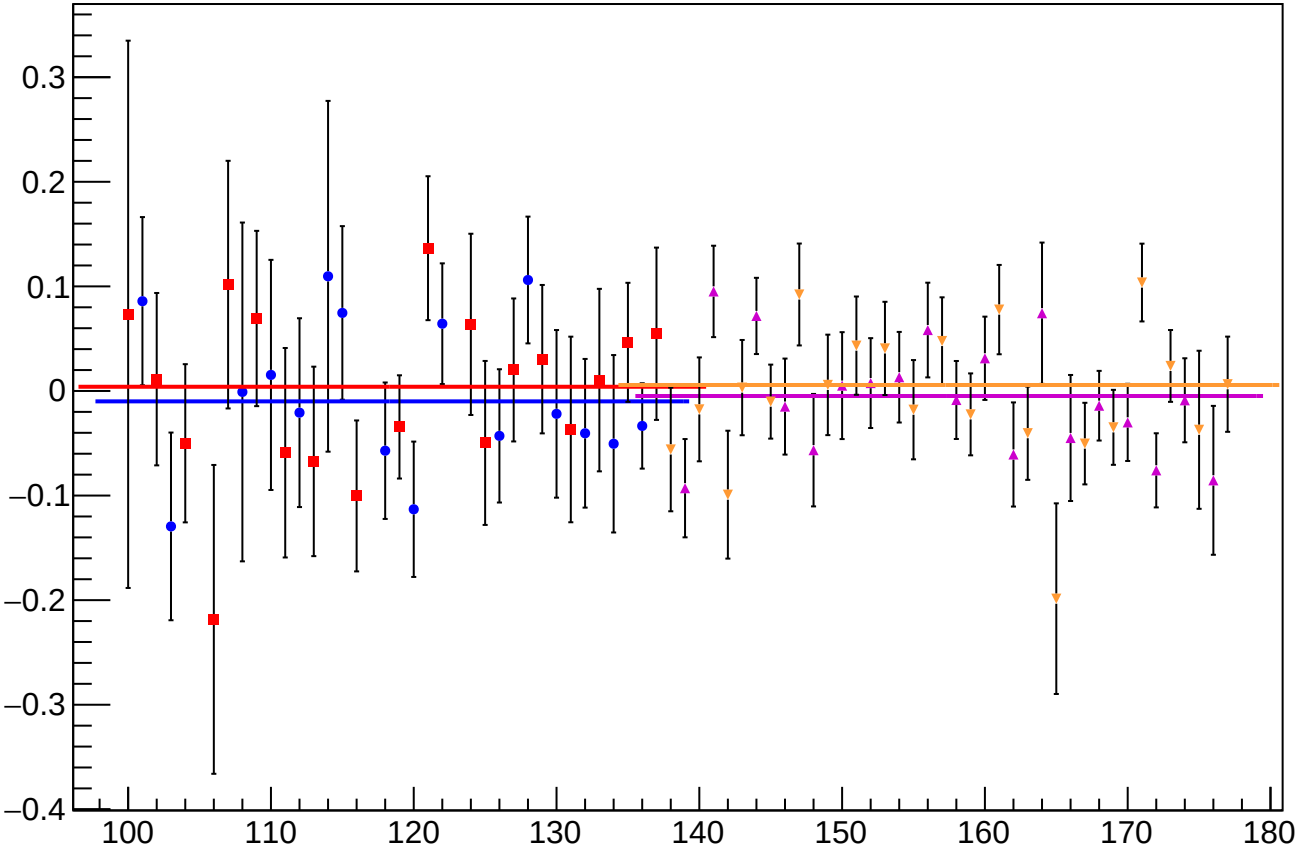
Left In: 0.000+/-0.000 χ^2/NDF:1191893.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 4015701.6/36

All: 0.000+/-0.000 χ^2/NDF: 8810472.2/74

- sign 0.000+/-0.000 χ^2/NDF: 4789772.4/37

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:30.5/20

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

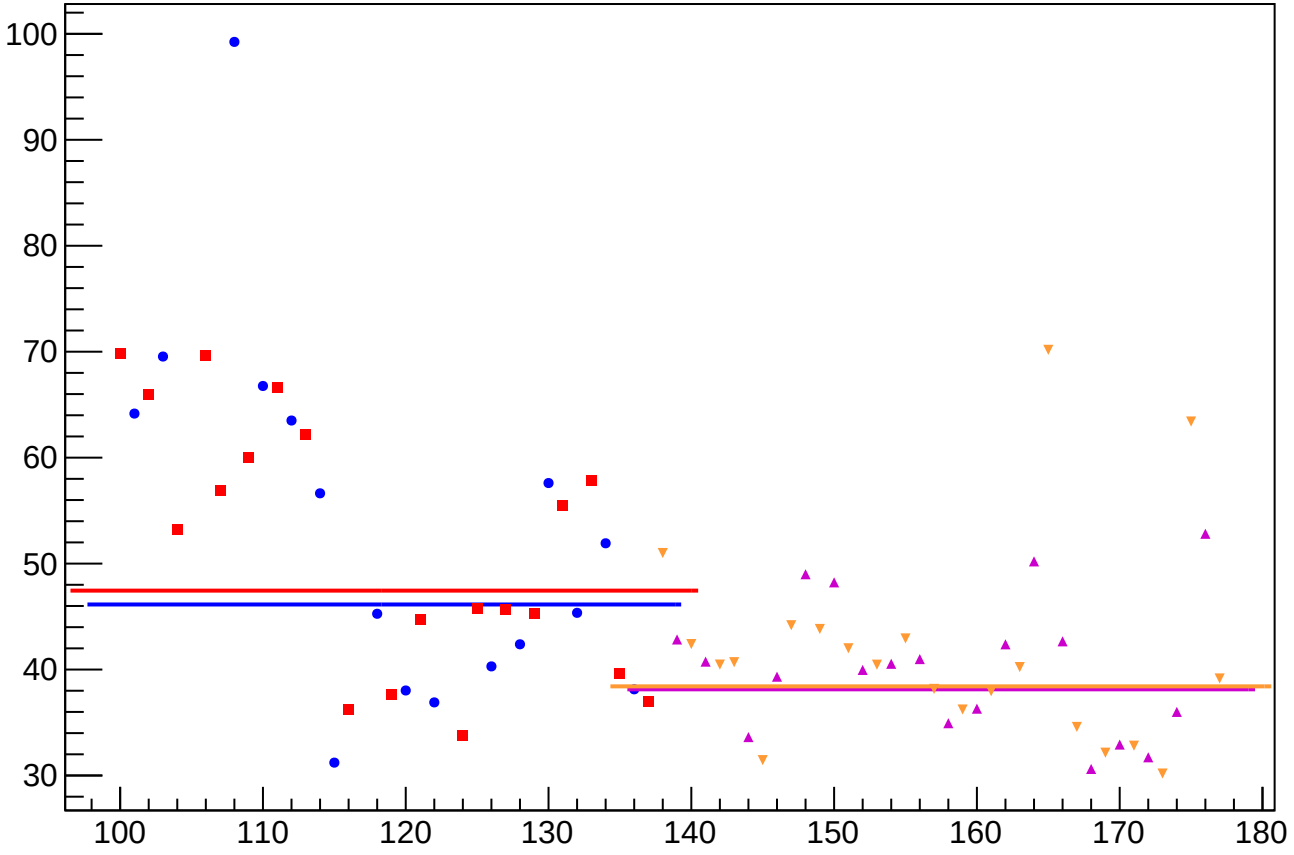
Left In: -0.005+/-0.010 χ^2/NDF:26.1/18

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/36

All: -0.000+/-0.006 χ^2/NDF: 85.6/74

- sign -0.003+/-0.009 χ^2/NDF: 40.2/37

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: 38.413+/-0.007 χ^2/NDF:988496.2/20

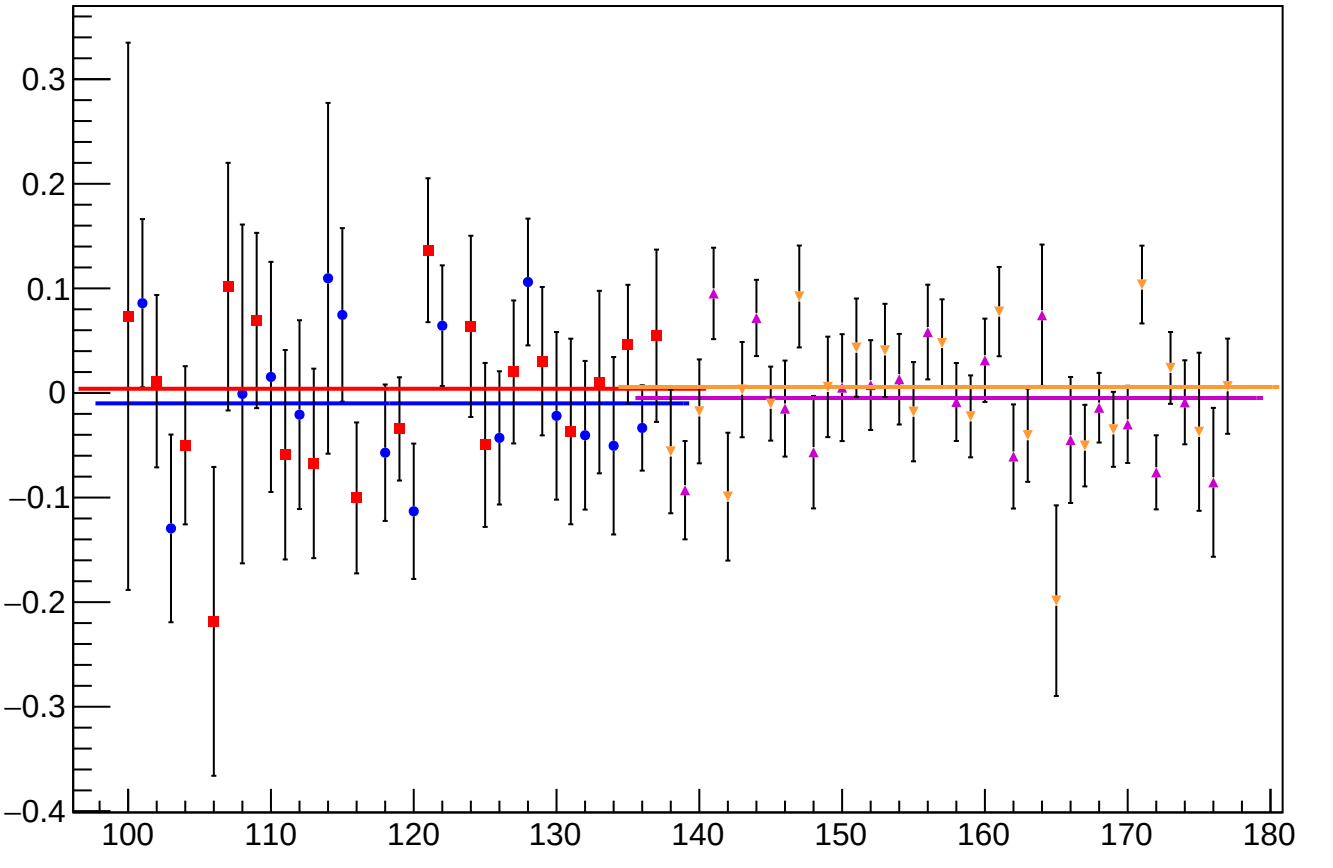
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.133+/-0.007 χ^2/NDF:643259.4/18

+ sign 40.162+/-0.006 χ^2/NDF: 2177247.5/36

All: 40.237+/-0.004 χ^2/NDF: 3881637.6/74

- sign 40.315+/-0.006 χ^2/NDF: 1704080.9/37



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

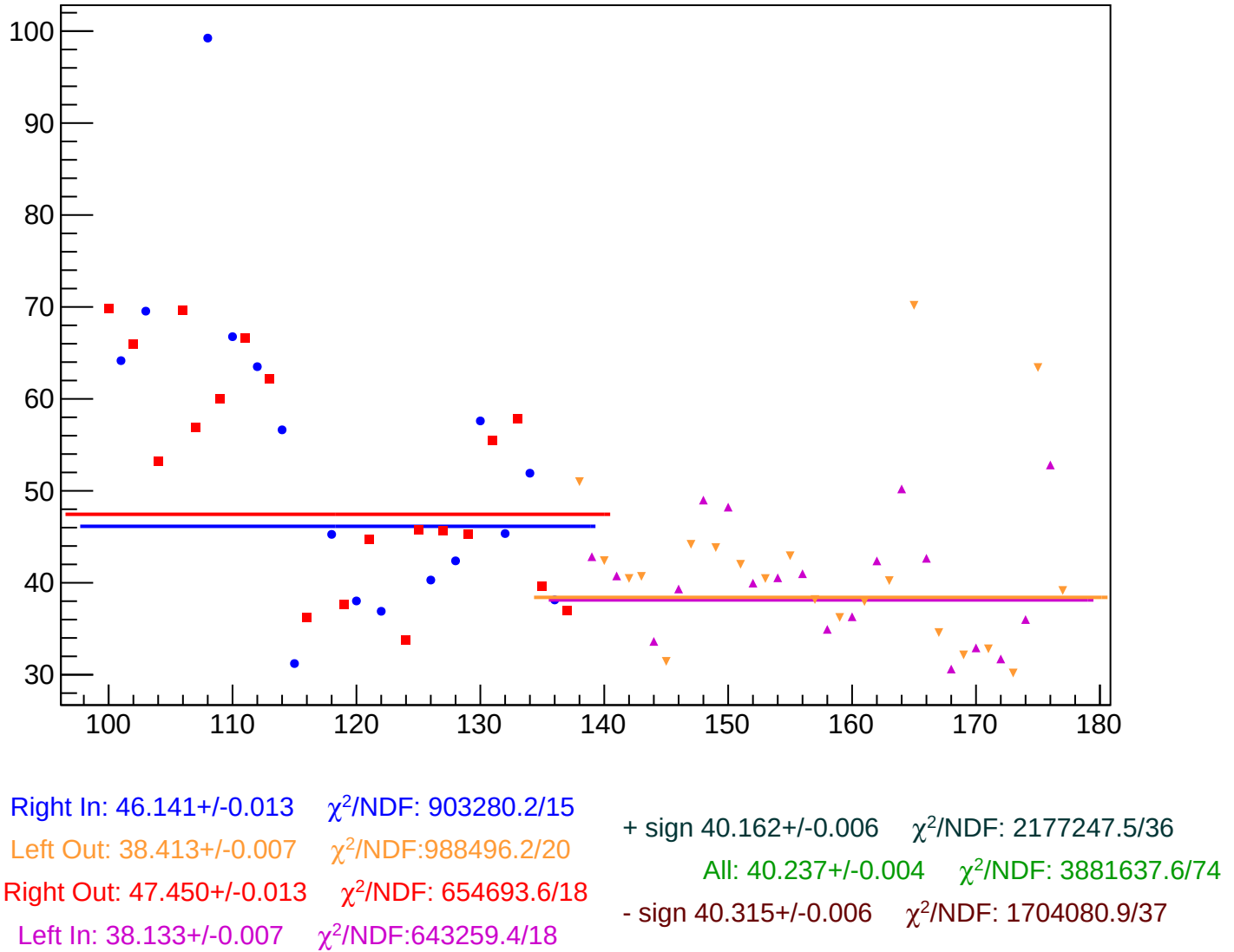
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

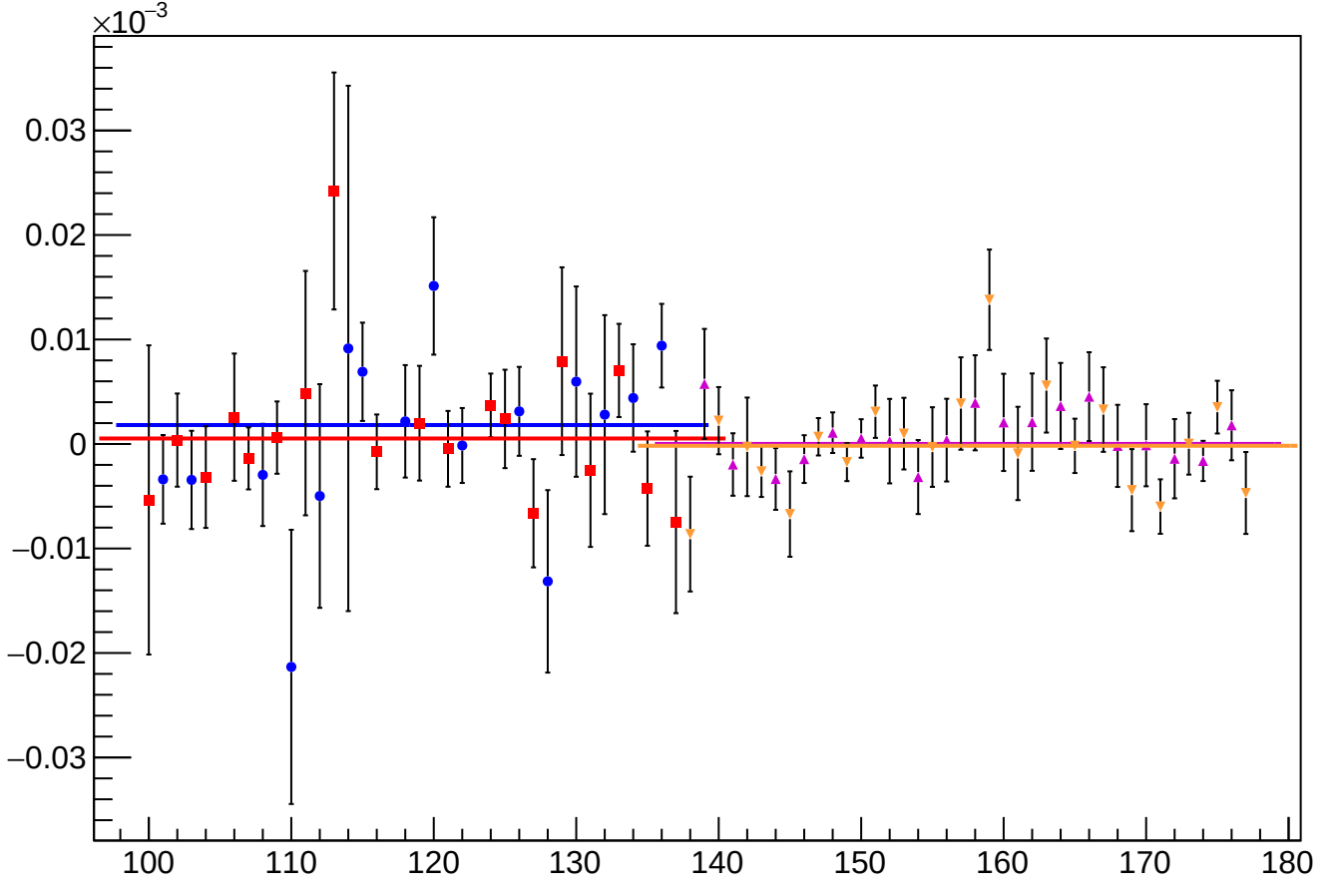
Left In: -0.005+/-0.010 χ^2/NDF:26.1/18

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/36

All: -0.000+/-0.006 χ^2/NDF: 85.6/74

- sign -0.003+/-0.009 χ^2/NDF: 40.2/37


asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
100
110
120
130
140
150
160
170
180
Right In: 46.141+/-0.013 χ²/NDF: 903280.2/15
Left Out: 38.413+/-0.007 χ²/NDF:988496.2/20
Right Out: 47.450+/-0.013 χ²/NDF: 654693.6/18
Left In: 38.133+/-0.007 χ²/NDF:643259.4/18
+ sign 40.162+/-0.006 χ²/NDF: 2177247.5/36
All: 40.237+/-0.004 χ²/NDF: 3881637.6/74
- sign 40.315+/-0.006 χ²/NDF: 1704080.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/20

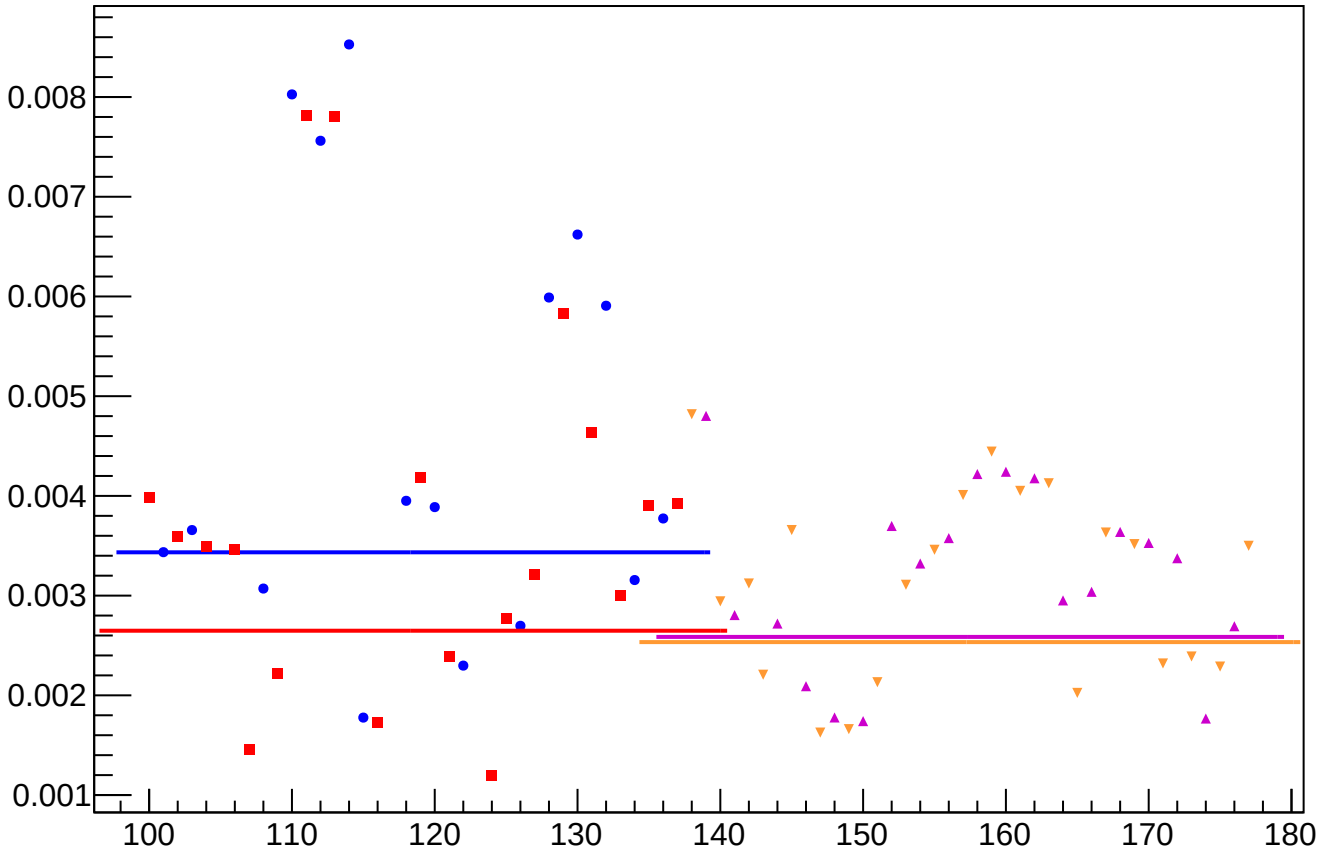
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/36

All: 0.000+/-0.000 χ^2/NDF: 74.9/74

- sign 0.000+/-0.000 χ^2/NDF: 22.7/37



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3326058.8/20

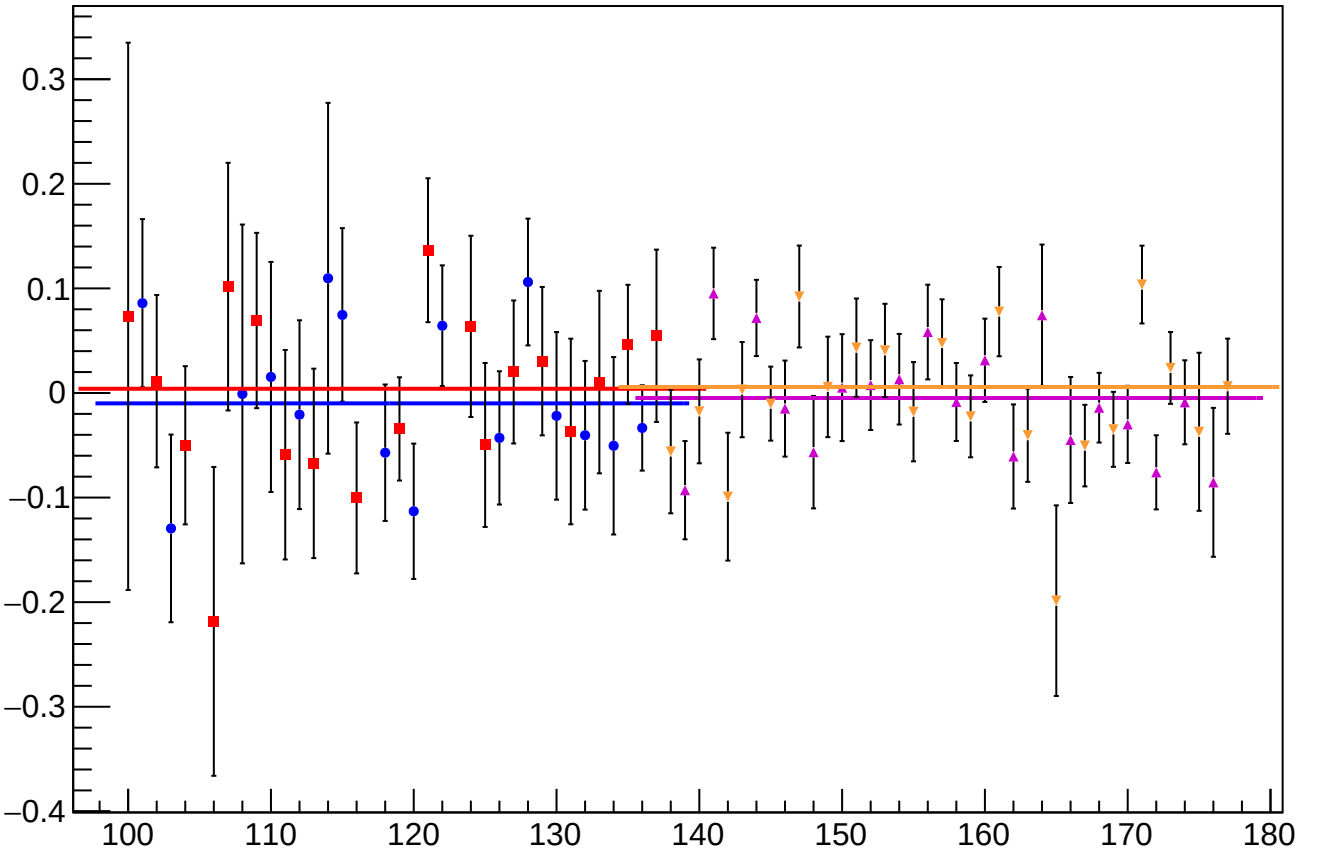
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3085683.5/18

+ sign 0.003+/-0.000 χ^2/NDF: 5773124.4/36

All: 0.003+/-0.000 χ^2/NDF: 11588540.6/74

- sign 0.003+/-0.000 χ^2/NDF: 5787140.6/37



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

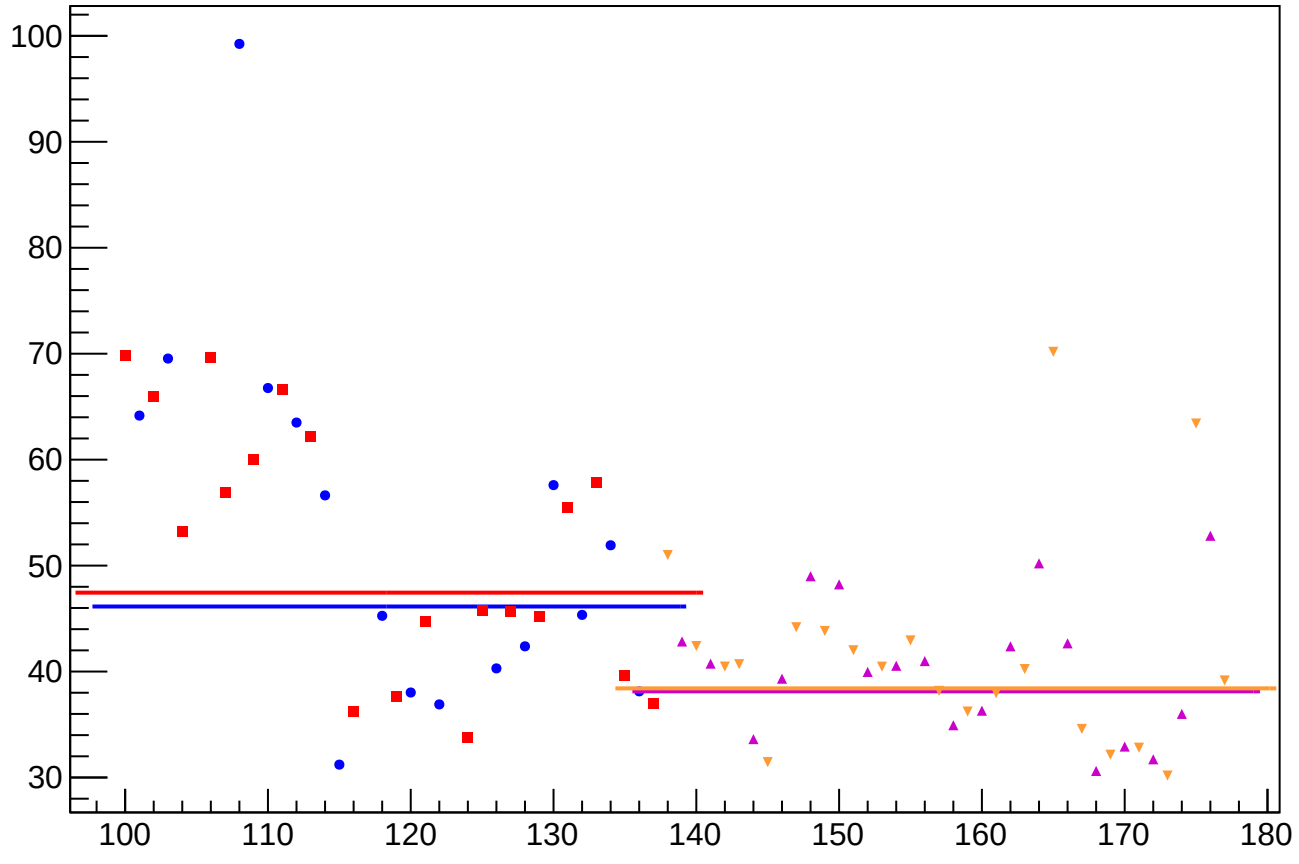
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.010 χ^2/NDF:26.1/18

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/36

All: -0.000+/-0.006 χ^2/NDF: 85.6/74

- sign -0.003+/-0.009 χ^2/NDF: 40.2/37



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.413+/-0.007 χ^2/NDF:988518.7/20

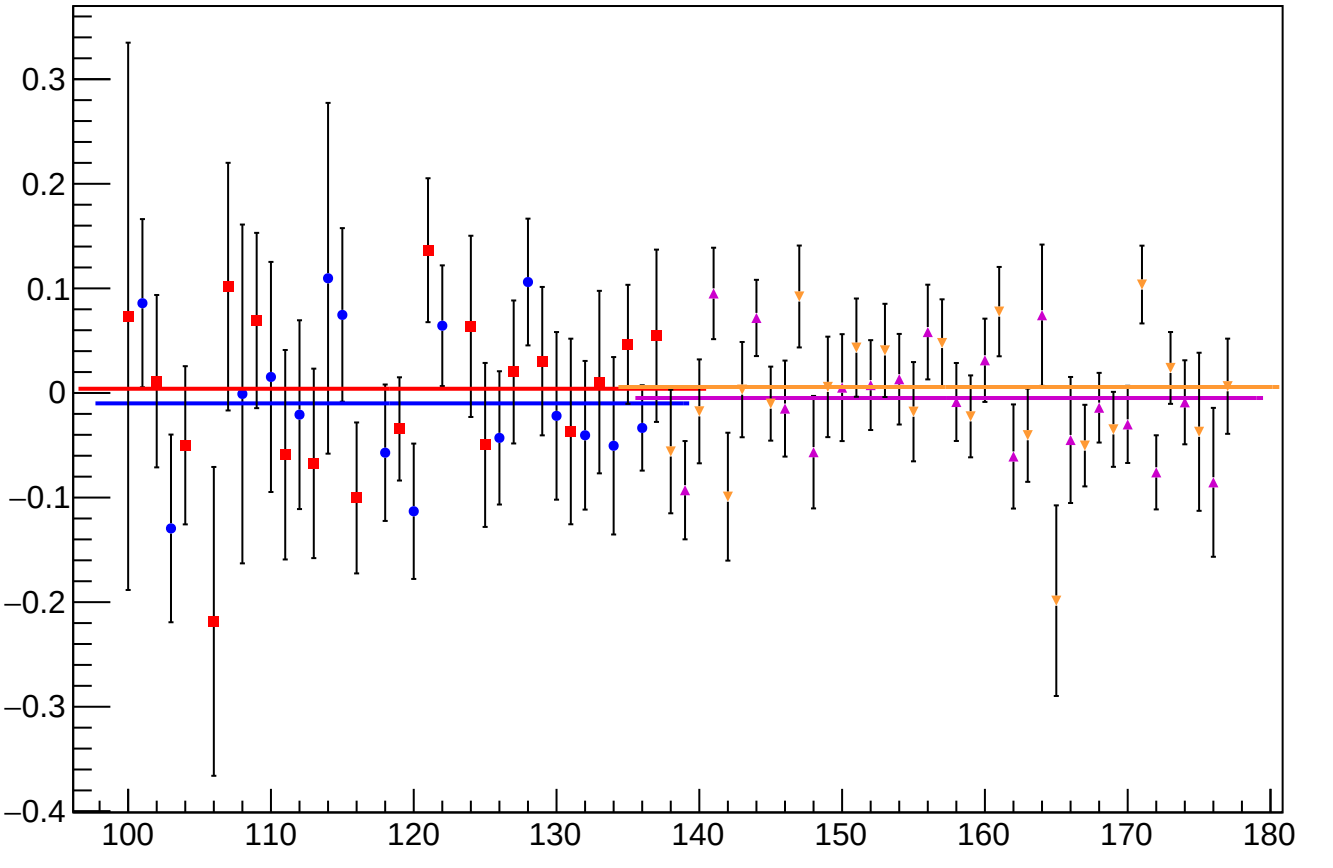
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.133+/-0.007 χ^2/NDF:643304.6/18

+ sign 40.162+/-0.006 χ^2/NDF: 2177133.2/36

All: 40.236+/-0.004 χ^2/NDF: 3881489.0/74

- sign 40.314+/-0.006 χ^2/NDF: 1704047.2/37



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

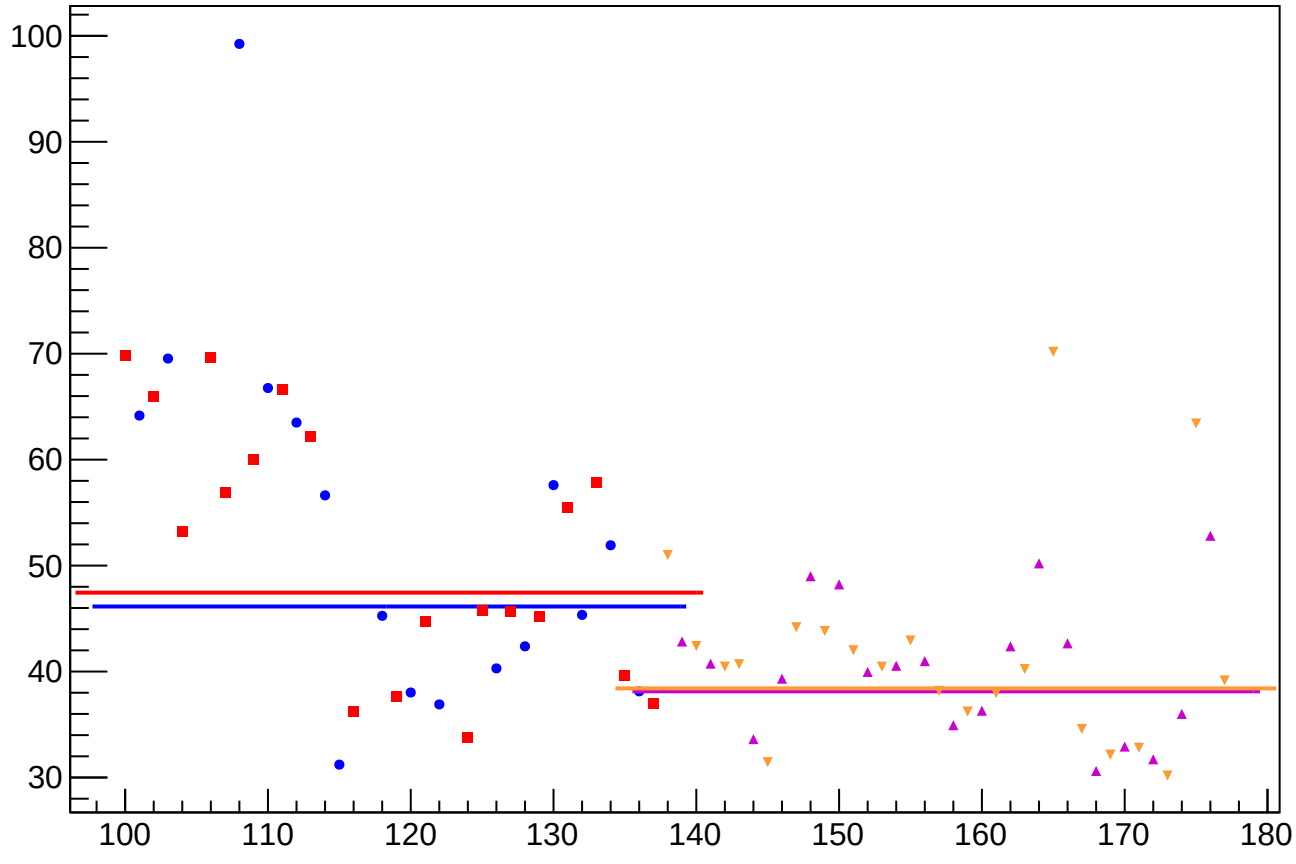
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.010 χ^2/NDF:26.1/18

+ sign 0.002+/-0.009 χ^2/NDF: 45.3/36

All: -0.000+/-0.006 χ^2/NDF: 85.6/74

- sign -0.003+/-0.009 χ^2/NDF: 40.2/37



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.413+/-0.007 χ^2/NDF:988518.7/20

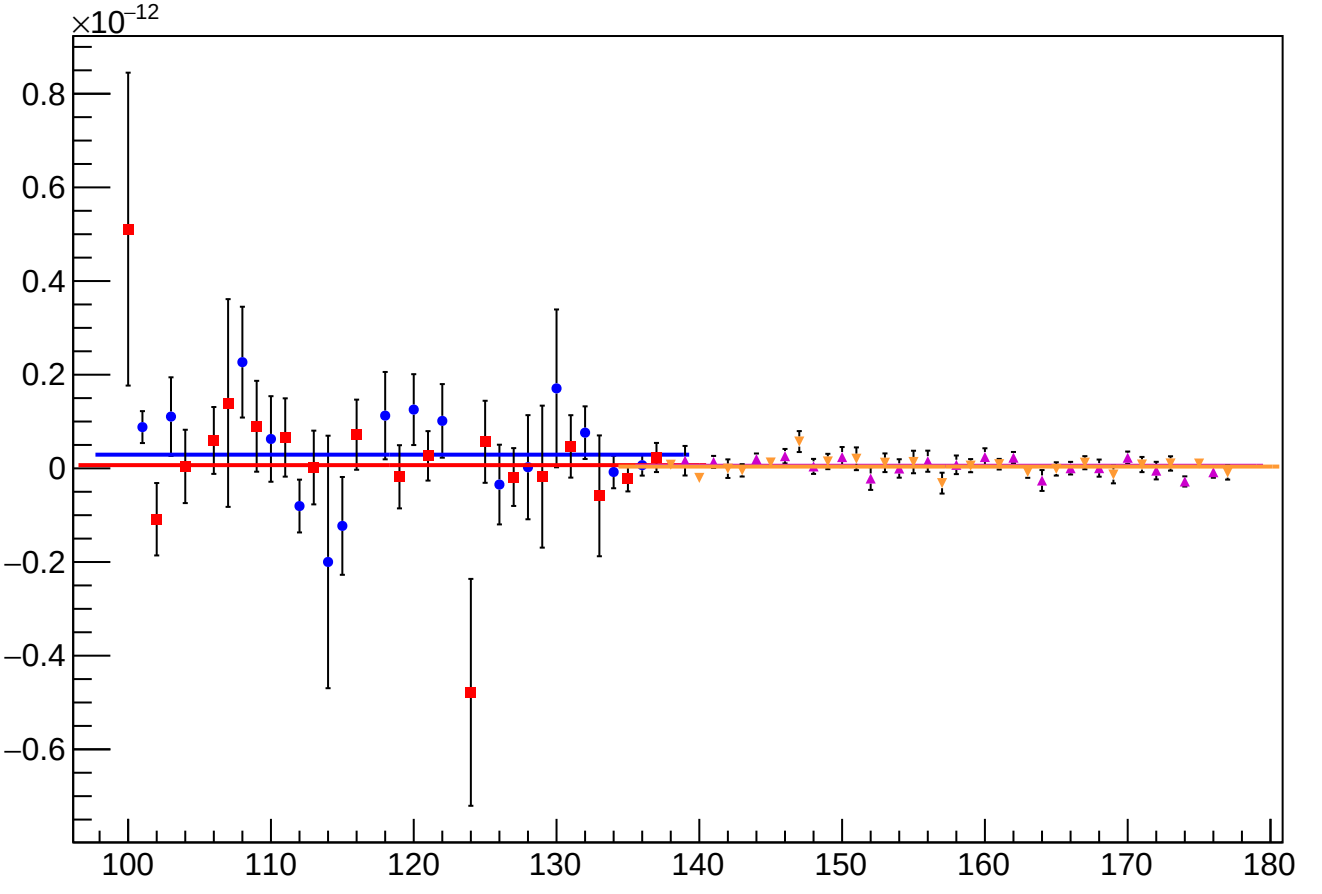
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.133+/-0.007 χ^2/NDF:643304.6/18

+ sign 40.162+/-0.006 χ^2/NDF: 2177133.2/36

All: 40.236+/-0.004 χ^2/NDF: 3881489.0/74

- sign 40.314+/-0.006 χ^2/NDF: 1704047.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/20

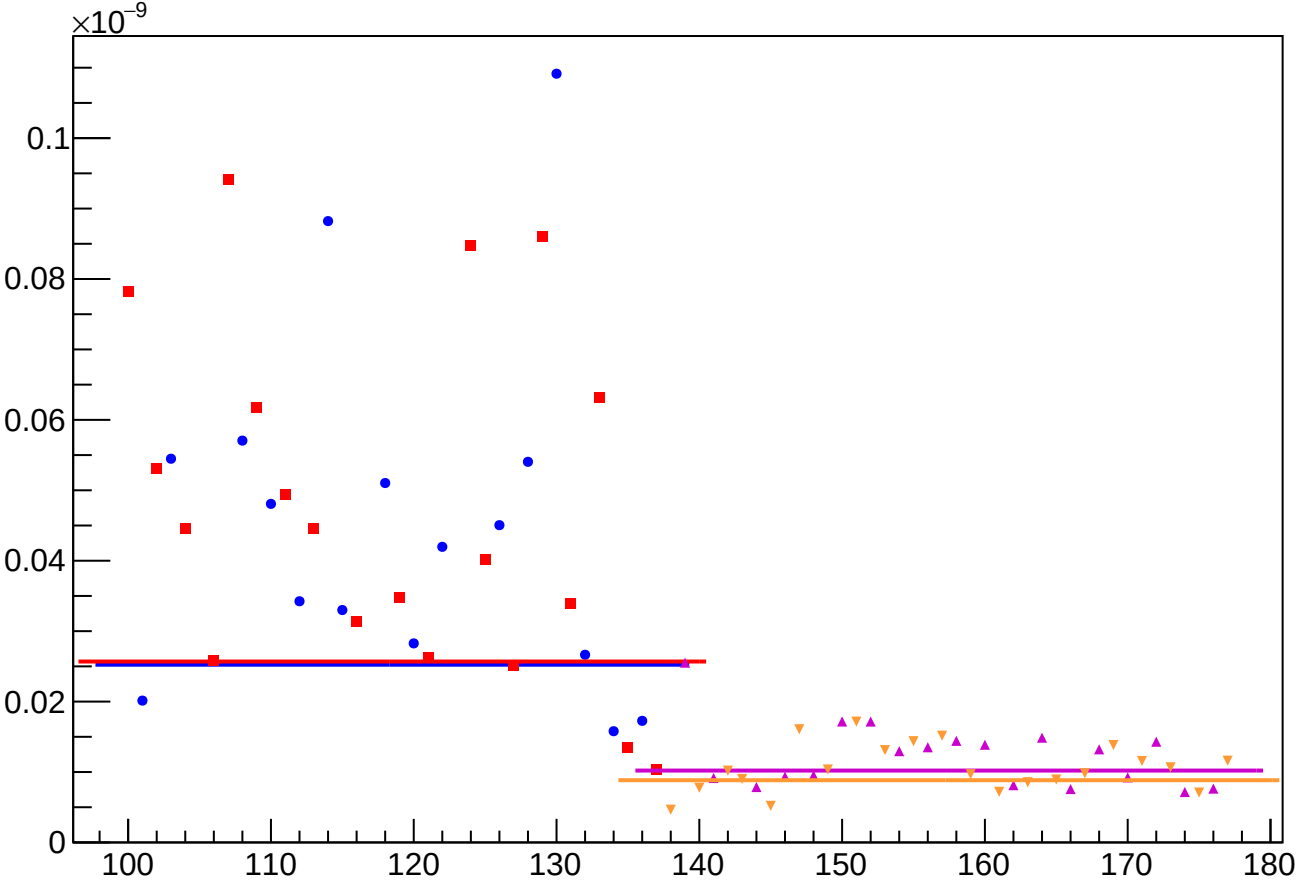
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/36

All: 0.000+/-0.000 χ^2/NDF: 82.6/74

- sign 0.000+/-0.000 χ^2/NDF: 38.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1925714.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

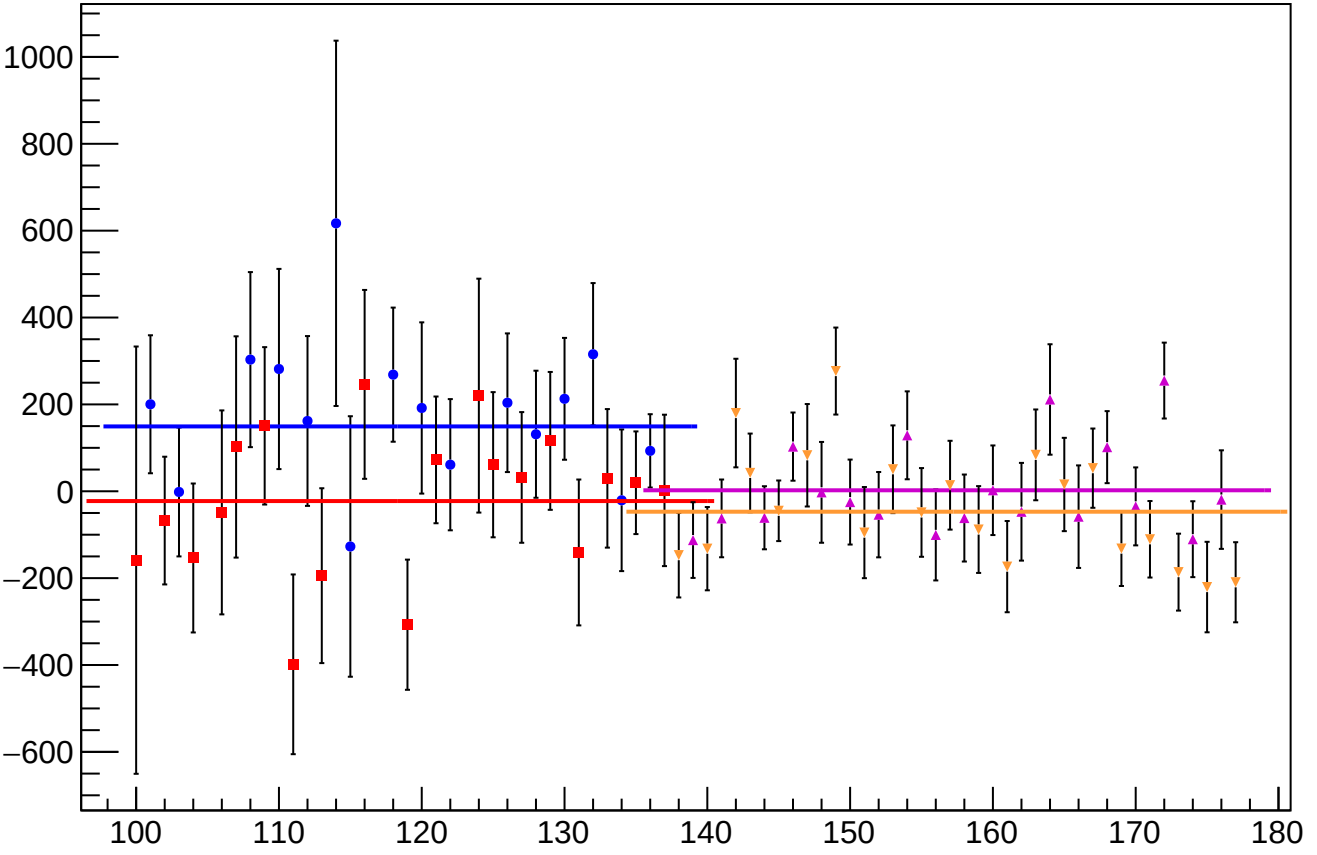
Left In: 0.000+/-0.000 χ^2/NDF:1829401.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 6846936.5/36

All: 0.000+/-0.000 χ^2/NDF: 13872008.9/74

- sign 0.000+/-0.000 χ^2/NDF: 6813302.0/37

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.053+/-21.094 χ^2/NDF:33.9/20

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

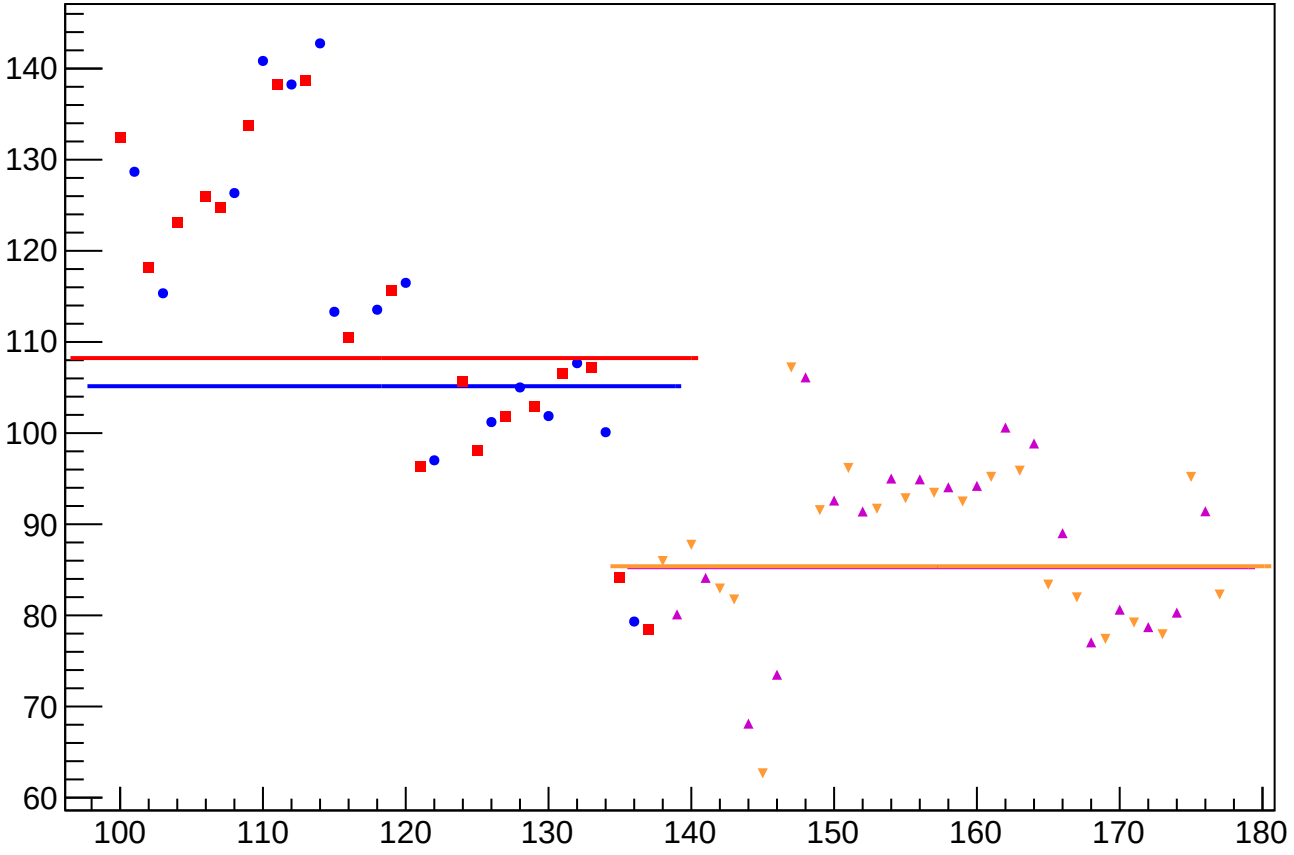
Left In: 2.257+/-21.847 χ^2/NDF:22.8/18

+ sign -3.802+/-18.626 χ^2/NDF: 61.0/36

All: -3.617+/-13.364 χ^2/NDF: 98.3/74

- sign -3.420+/-19.185 χ^2/NDF: 37.3/37

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.391+/-0.015 χ^2/NDF:457747.0/20

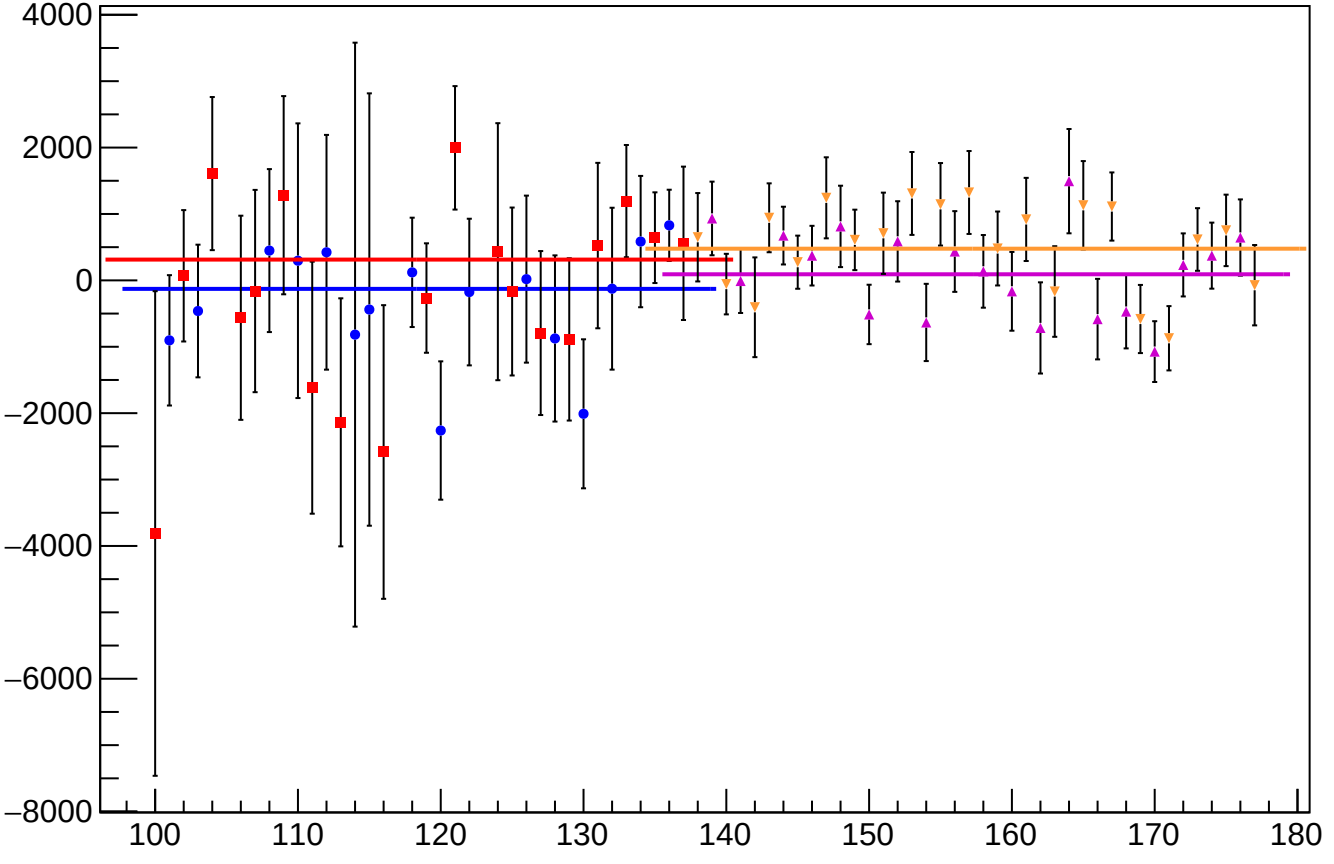
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

+ sign 89.743+/-0.013 χ^2/NDF: 1252547.0/36

All: 90.128+/-0.009 χ^2/NDF: 2533595.4/74

- sign 90.536+/-0.014 χ^2/NDF: 1279289.0/37



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 477.192+/-120.033 χ^2/NDF:27.5/20

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

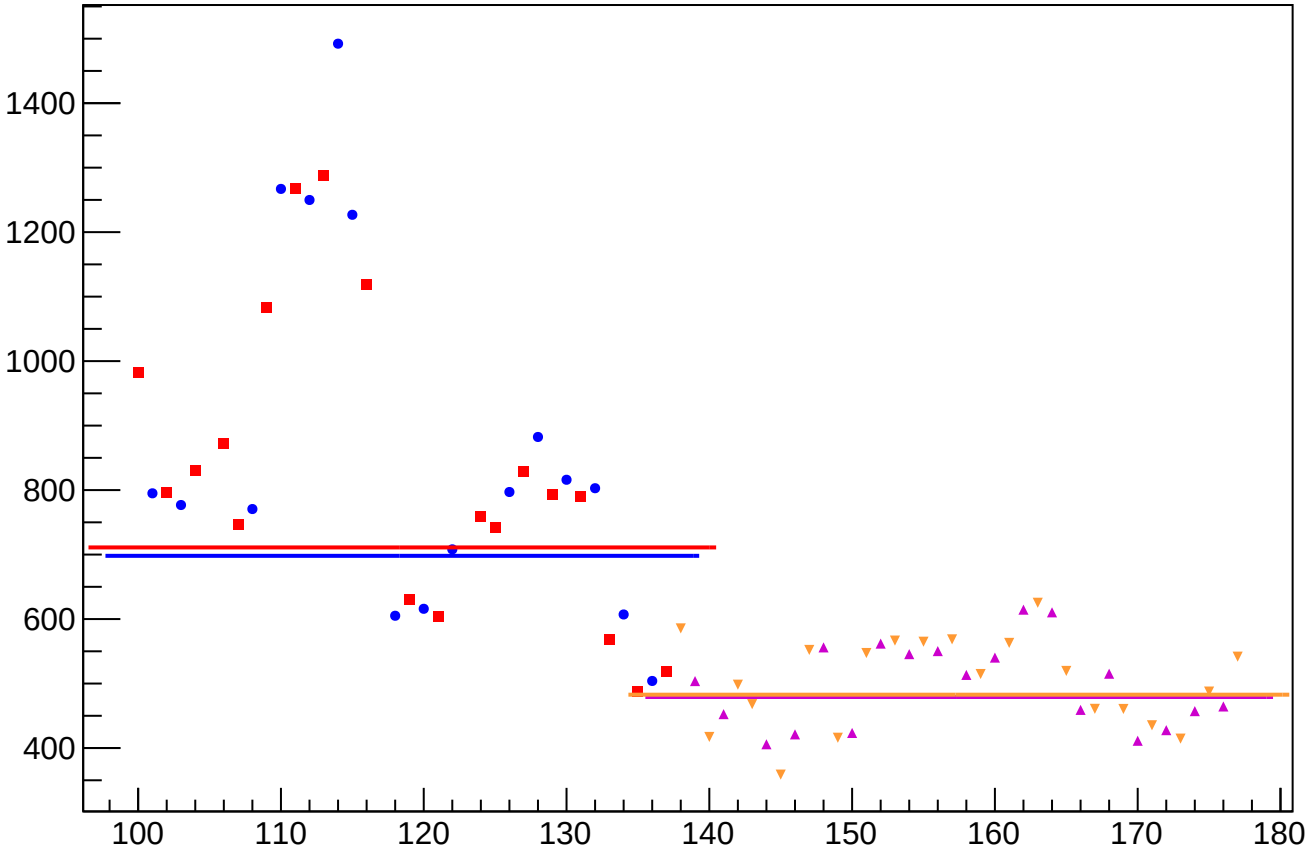
Left In: 91.793+/-123.073 χ^2/NDF:25.1/18

+ sign 376.449+/-109.589 χ^2/NDF: 44.1/36

All: 255.815+/-78.328 χ^2/NDF: 87.2/74

- sign 129.823+/-111.996 χ^2/NDF: 40.7/37

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 482.716+/-0.085 χ^2/NDF:703710.4/20

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

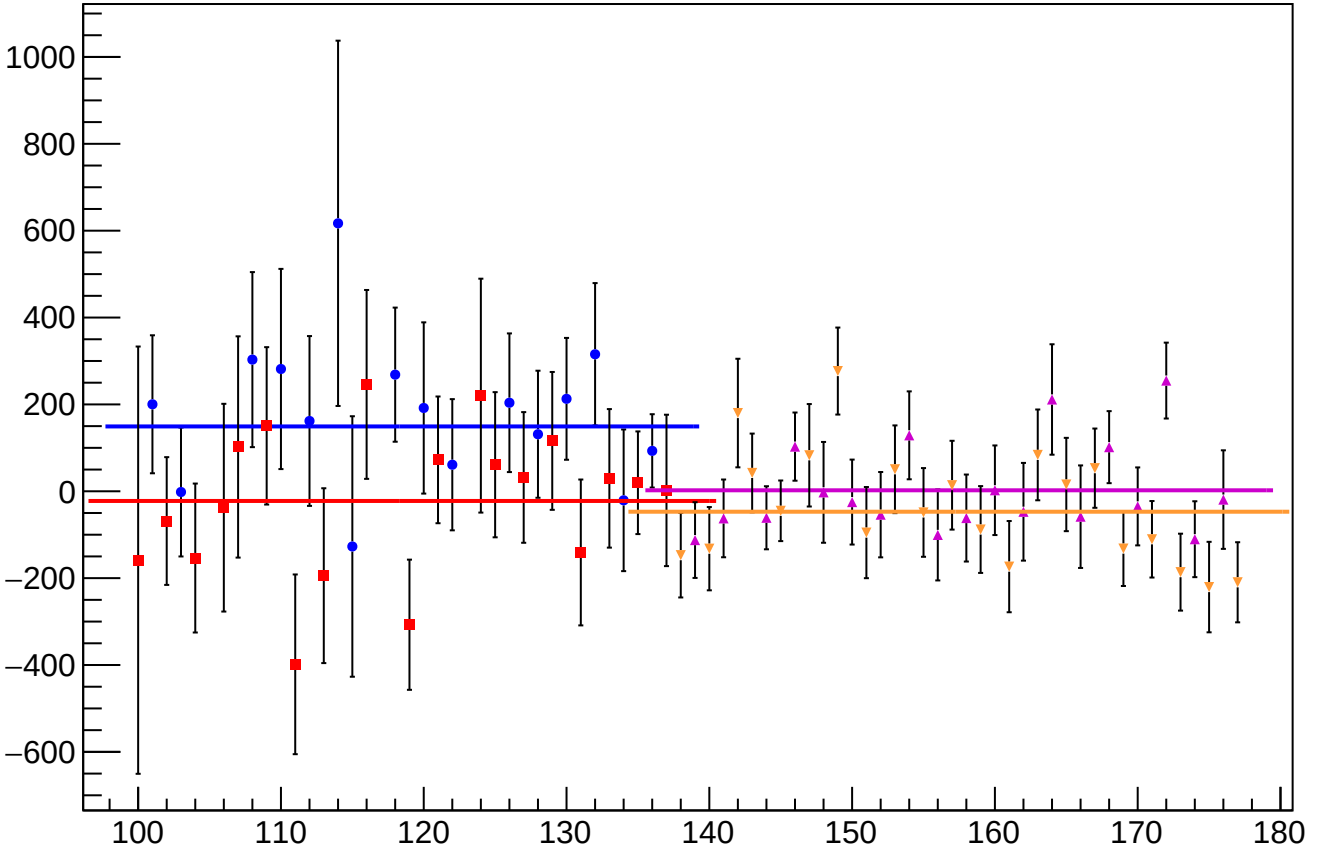
Left In: 479.141+/-0.087 χ^2/NDF:499618.4/18

+ sign 518.559+/-0.077 χ^2/NDF: 2687976.8/36

All: 518.780+/-0.055 χ^2/NDF: 5443810.6/74

- sign 519.011+/-0.079 χ^2/NDF: 2755817.2/37

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.057+/-21.094 χ^2/NDF:33.9/20

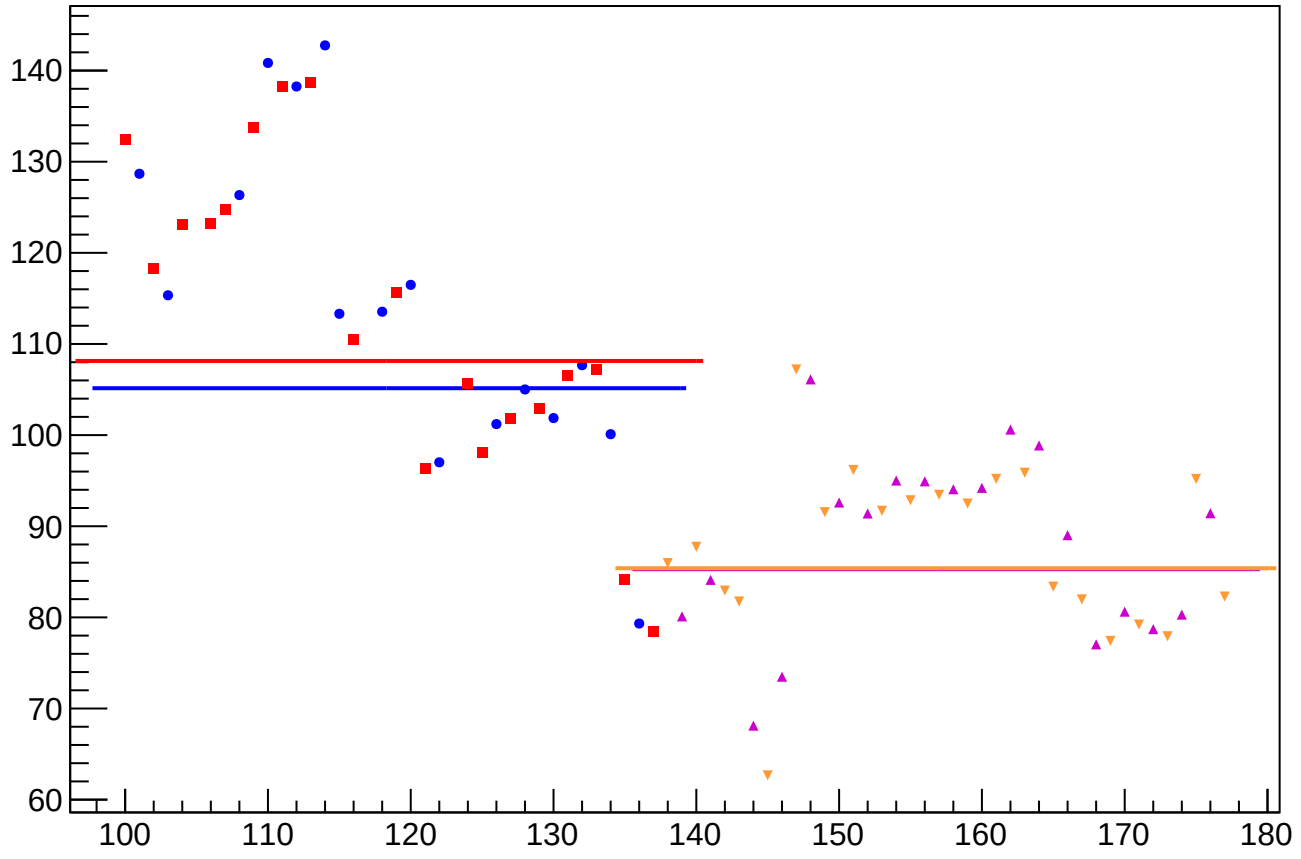
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 2.257+/-21.847 χ^2/NDF:22.8/18

+ sign -3.807+/-18.626 χ^2/NDF: 61.0/36

All: -3.589+/-13.365 χ^2/NDF: 98.3/74

- sign -3.358+/-19.187 χ^2/NDF: 37.3/37



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.391+/-0.015 χ^2/NDF:457746.9/20

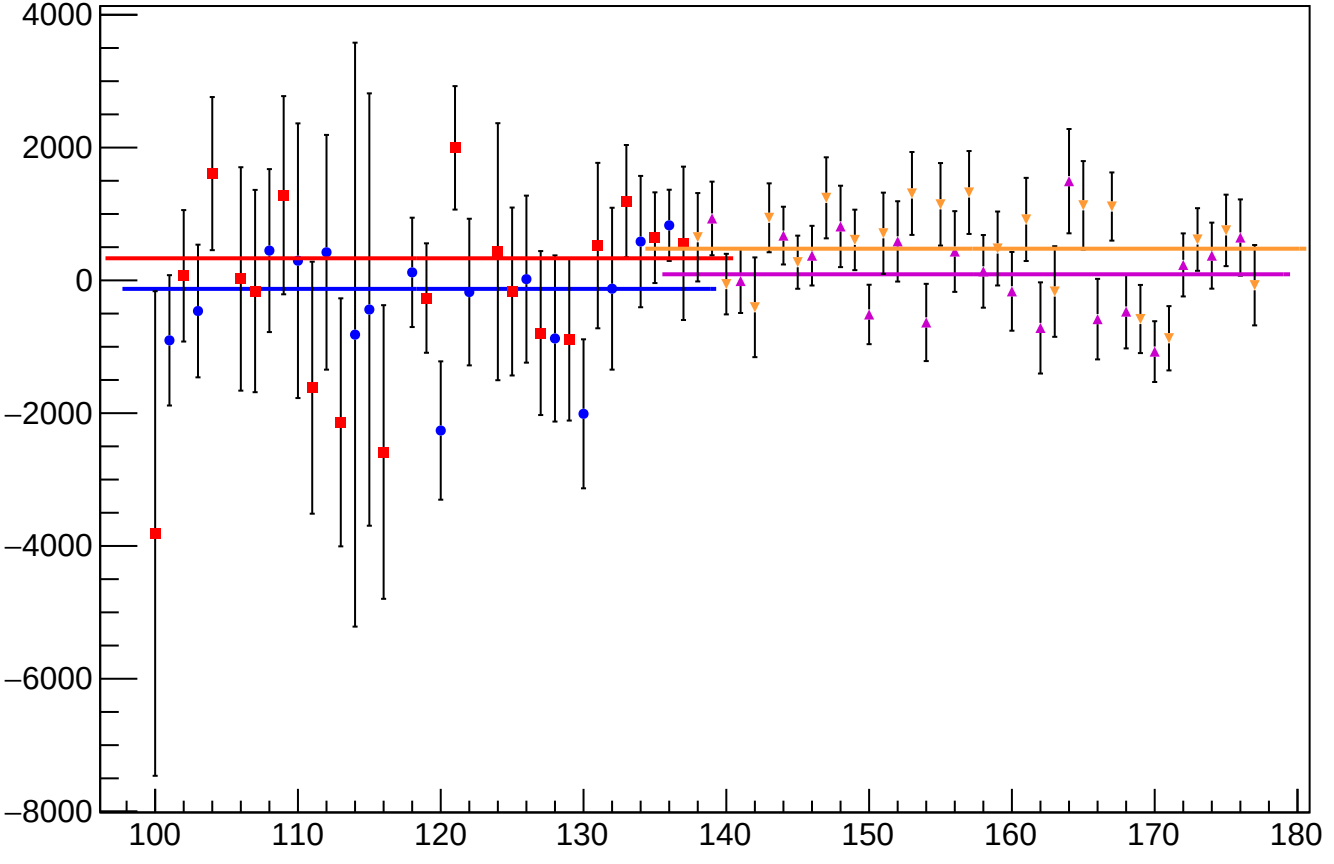
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

+ sign 89.743+/-0.013 χ^2/NDF: 1252547.4/36

All: 90.115+/-0.009 χ^2/NDF: 2525206.2/74

- sign 90.509+/-0.014 χ^2/NDF: 1271015.3/37



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 477.191+/-120.033 χ^2/NDF:27.5/20

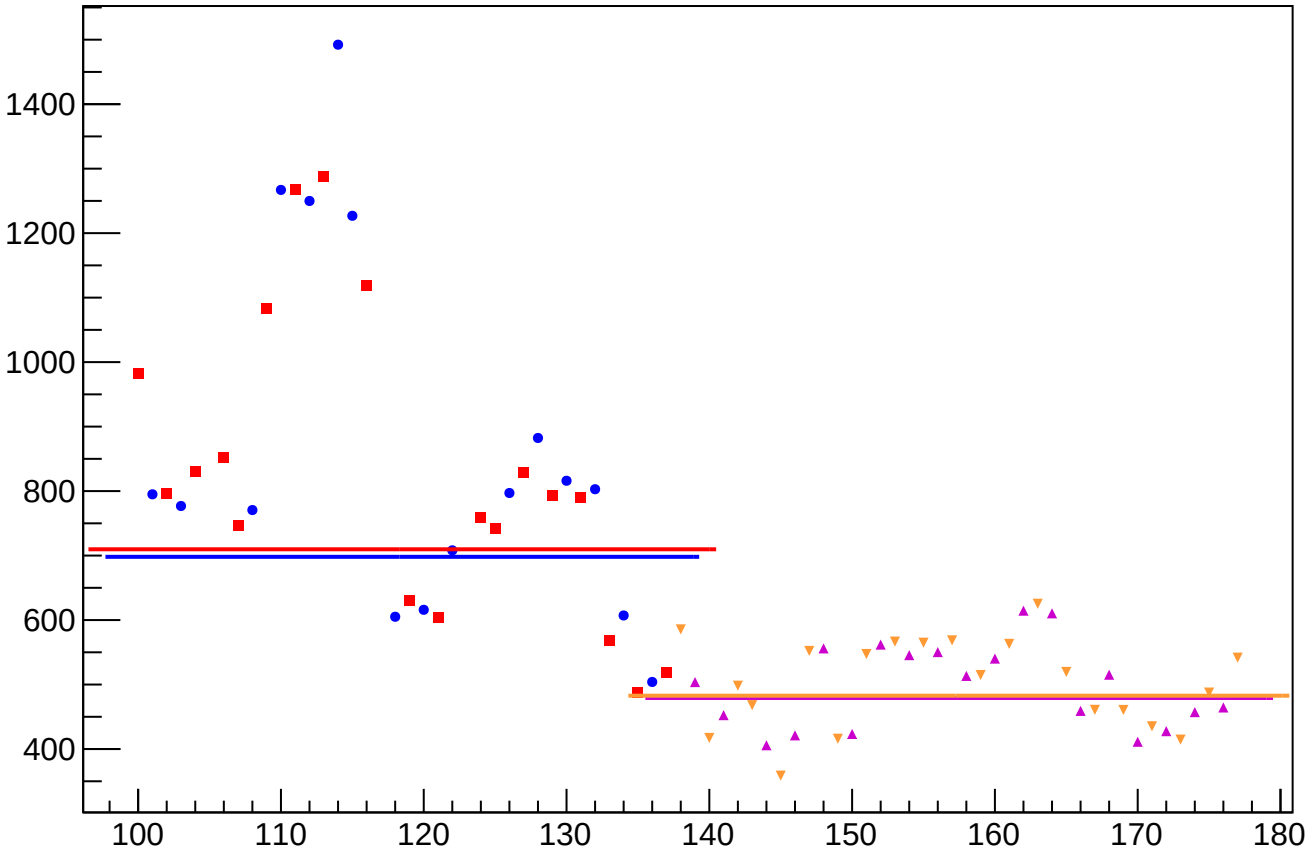
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 91.793+/-123.073 χ^2/NDF:25.1/18

+ sign 376.450+/-109.589 χ^2/NDF: 44.1/36

All: 257.434+/-78.345 χ^2/NDF: 87.0/74

- sign 133.019+/-112.047 χ^2/NDF: 40.5/37



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 482.716+/-0.085 χ^2/NDF:703708.0/20

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

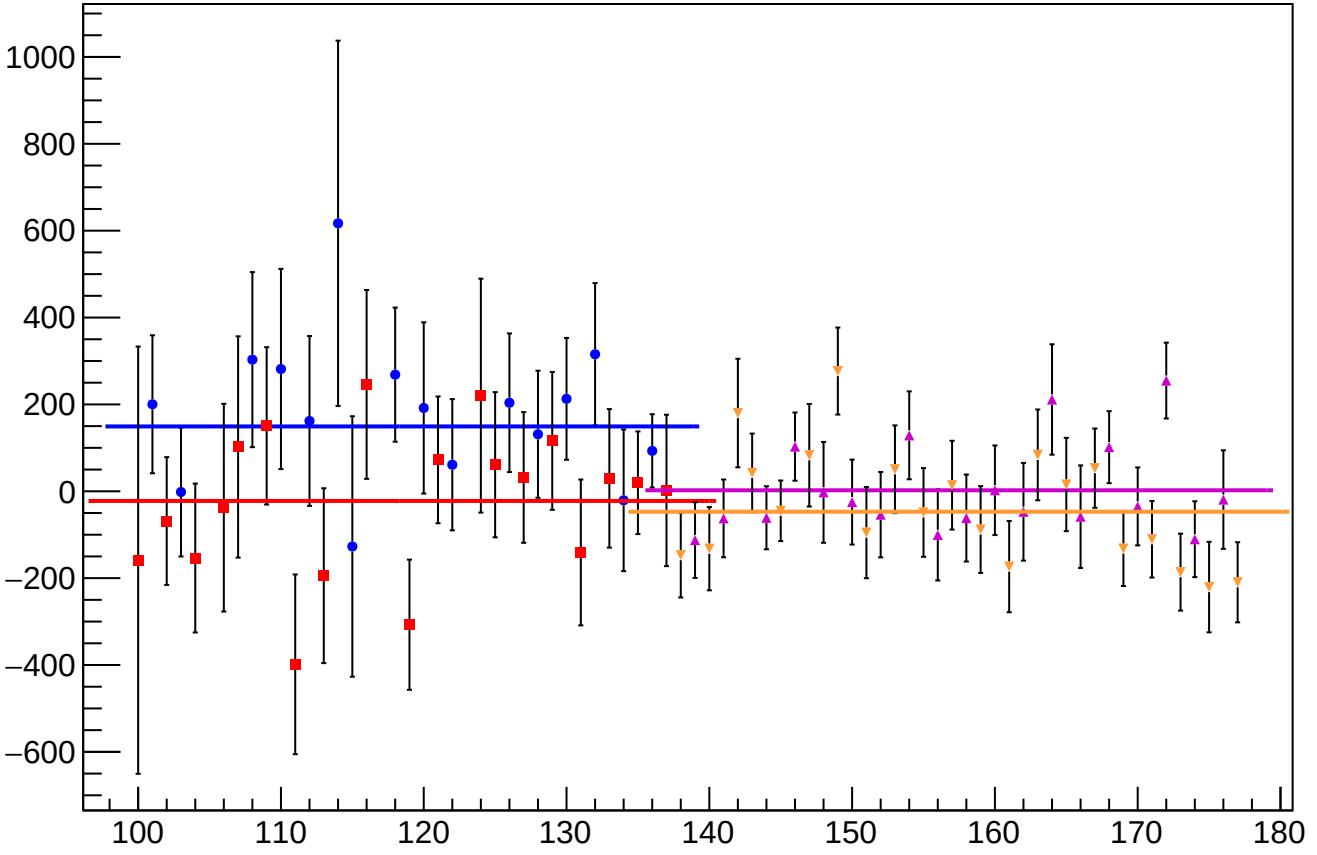
Left In: 479.141+/-0.087 χ^2/NDF:499621.3/18

+ sign 518.559+/-0.077 χ^2/NDF: 2687985.9/36

All: 518.584+/-0.055 χ^2/NDF: 5416543.7/74

- sign 518.610+/-0.079 χ^2/NDF: 2728557.6/37

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.057+/-21.094 χ^2/NDF:33.9/20

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

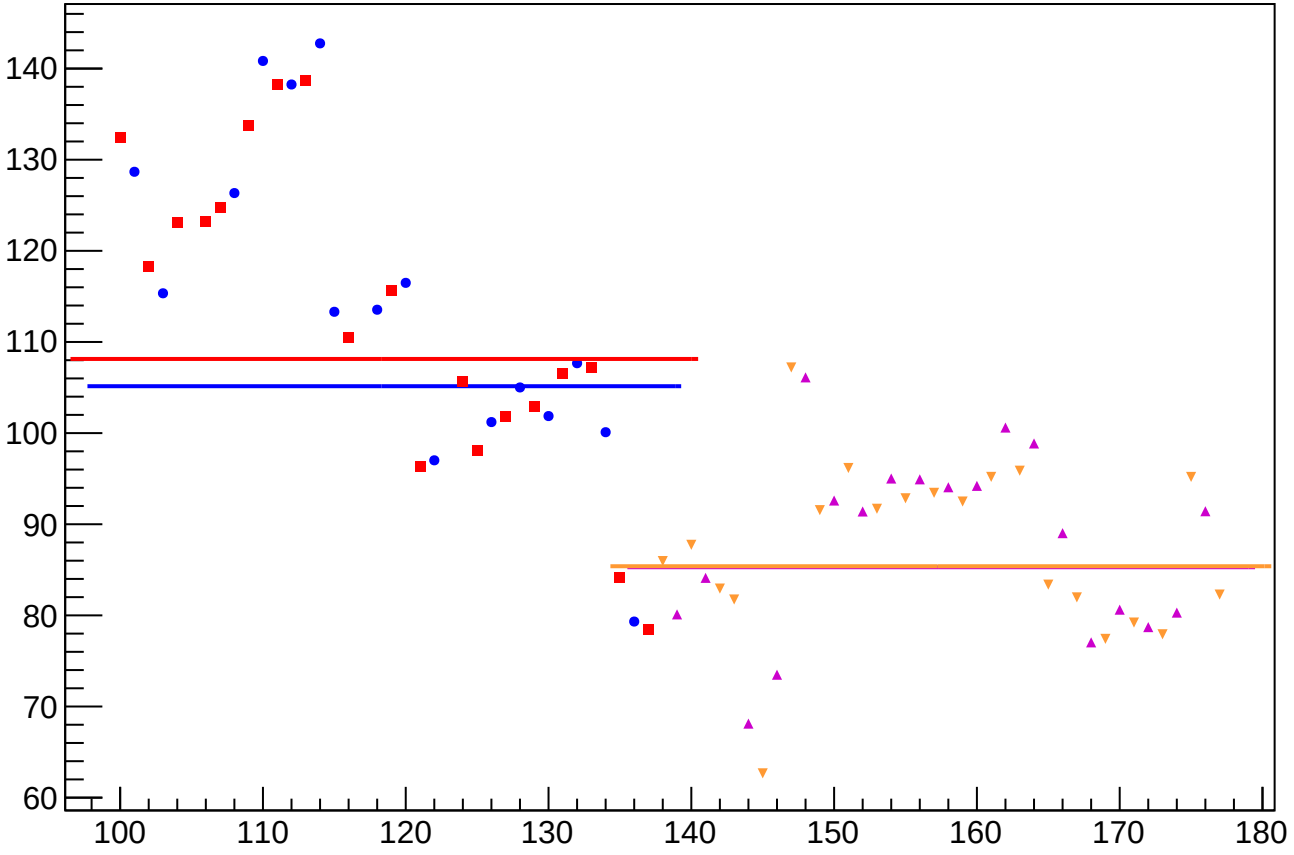
Left In: 2.257+/-21.847 χ^2/NDF:22.8/18

+ sign -3.807+/-18.626 χ^2/NDF: 61.0/36

All: -3.589+/-13.365 χ^2/NDF: 98.3/74

- sign -3.358+/-19.187 χ^2/NDF: 37.3/37

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.391+/-0.015 χ^2/NDF:457746.9/20

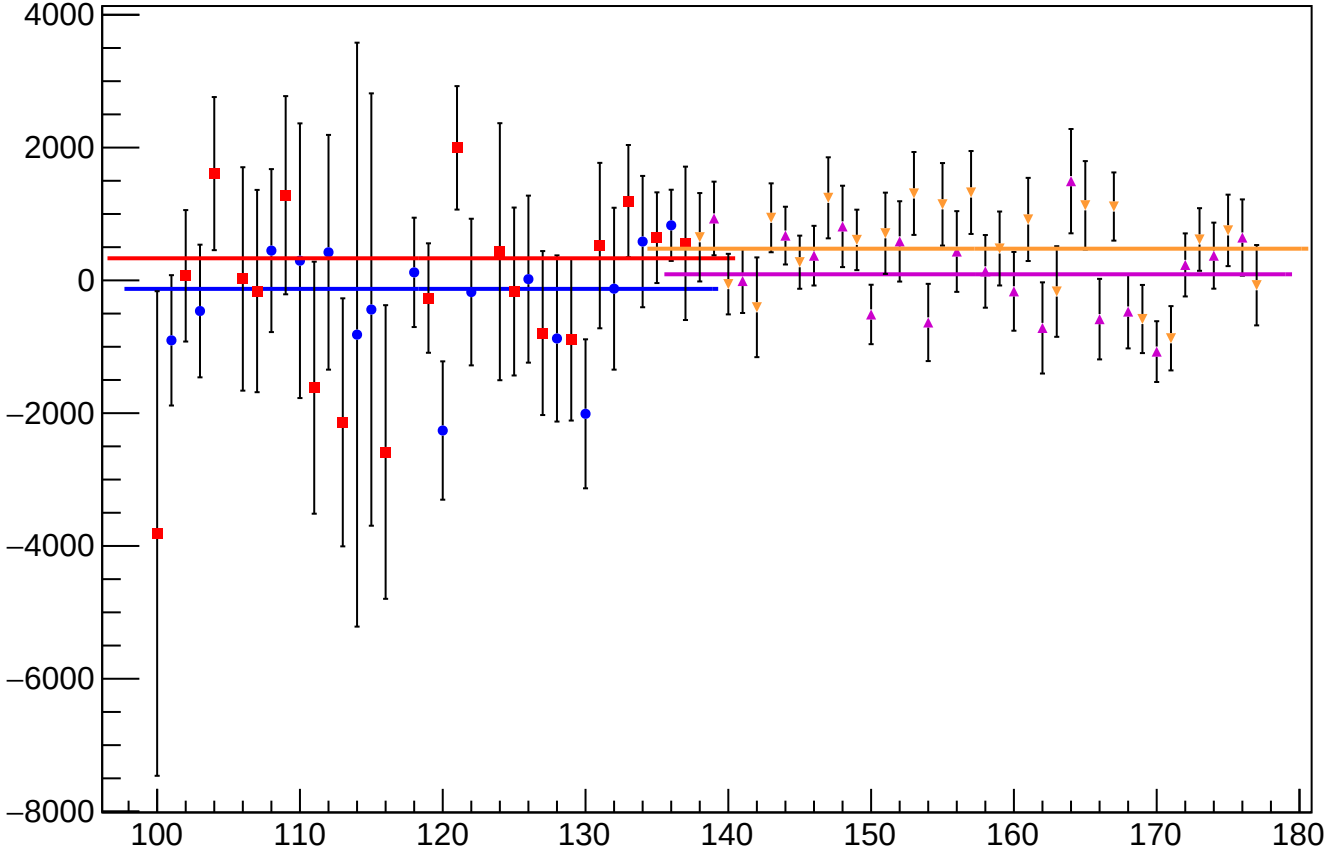
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

+ sign 89.743+/-0.013 χ^2/NDF: 1252547.4/36

All: 90.115+/-0.009 χ^2/NDF: 2525206.2/74

- sign 90.509+/-0.014 χ^2/NDF: 1271015.3/37



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 477.191+/-120.033 χ^2/NDF:27.5/20

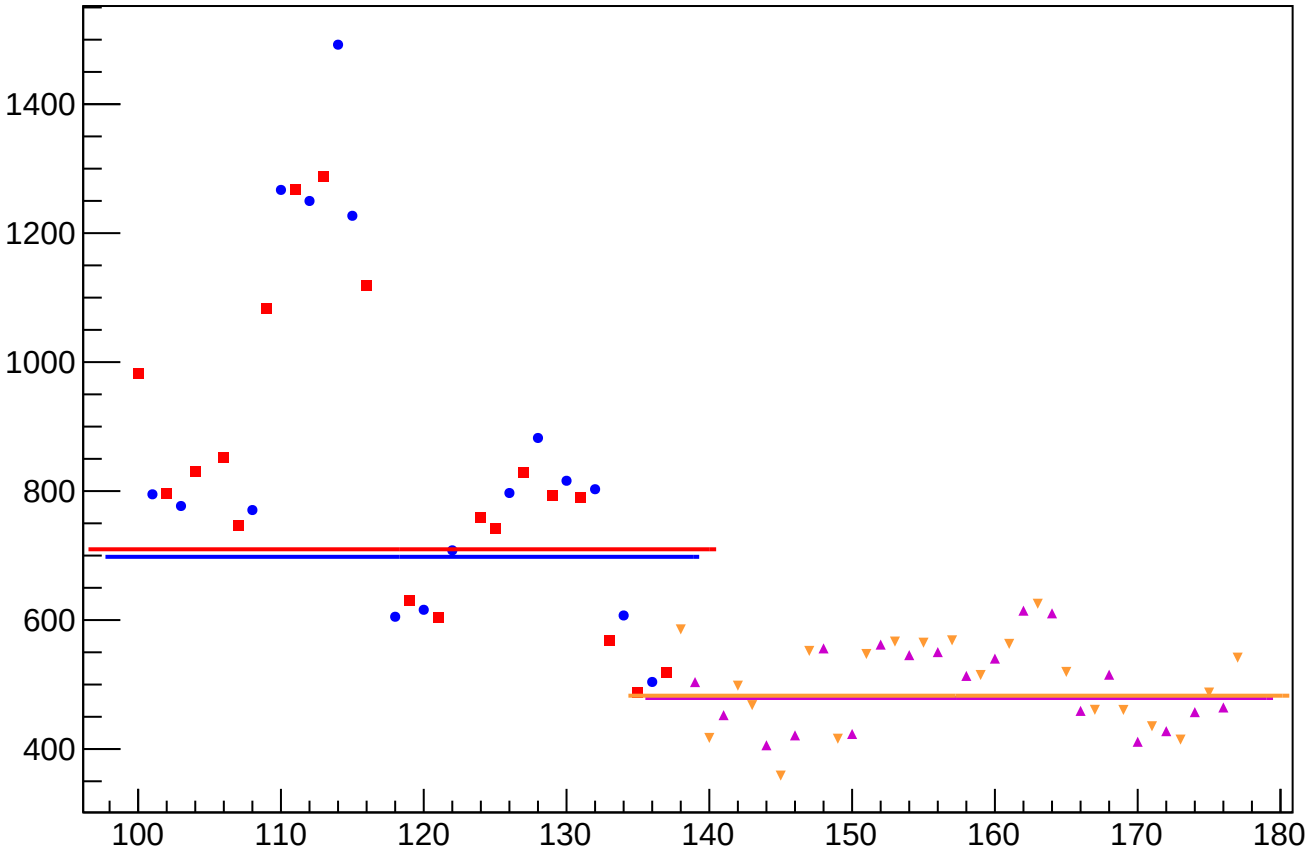
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 91.793+/-123.073 χ^2/NDF:25.1/18

+ sign 376.450+/-109.589 χ^2/NDF: 44.1/36

All: 257.434+/-78.345 χ^2/NDF: 87.0/74

- sign 133.019+/-112.047 χ^2/NDF: 40.5/37



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 482.716+/-0.085 χ^2/NDF:703708.0/20

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

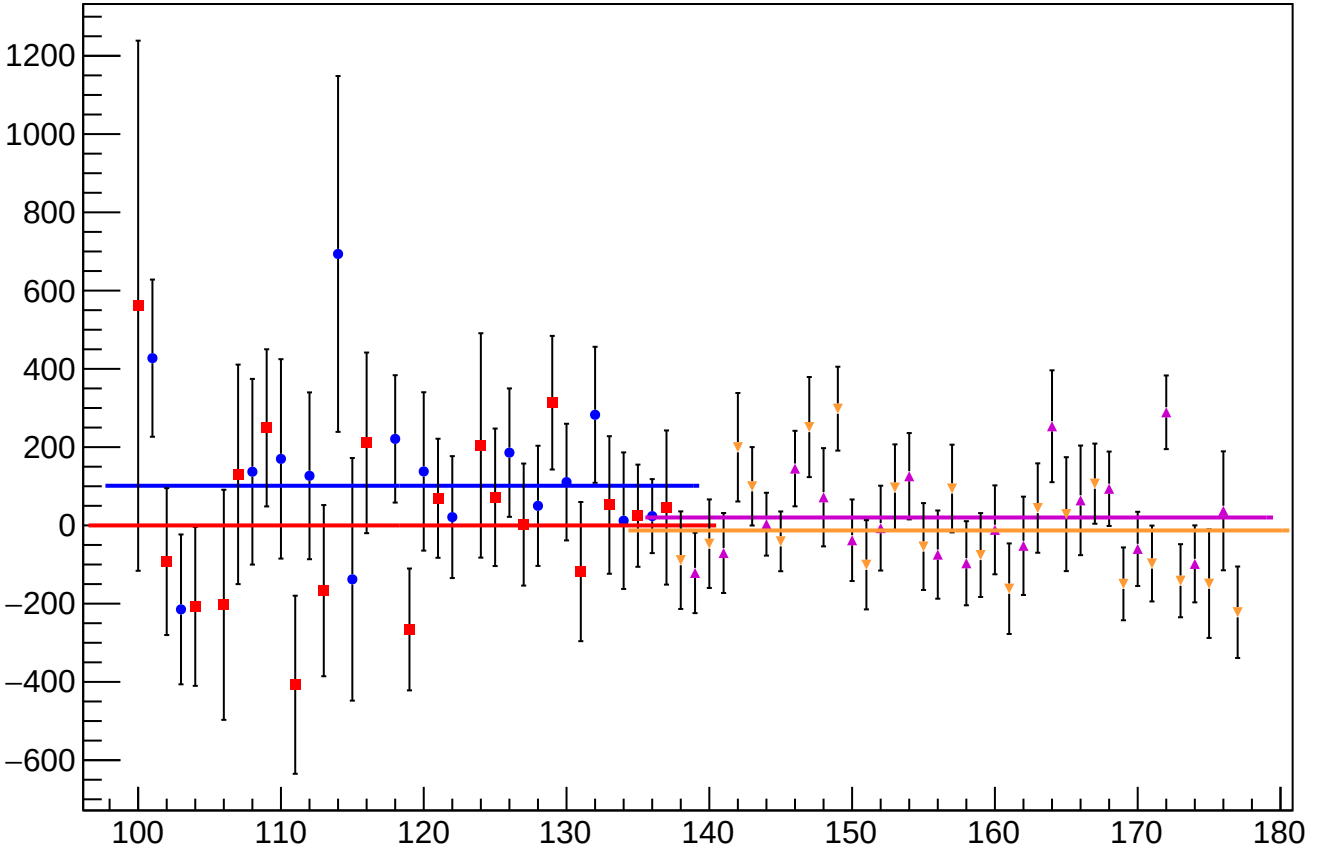
Left In: 479.141+/-0.087 χ^2/NDF:499621.3/18

+ sign 518.559+/-0.077 χ^2/NDF: 2687985.9/36

All: 518.584+/-0.055 χ^2/NDF: 5416543.7/74

- sign 518.610+/-0.079 χ^2/NDF: 2728557.6/37

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -12.938+/-23.728 χ^2/NDF:32.2/20

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

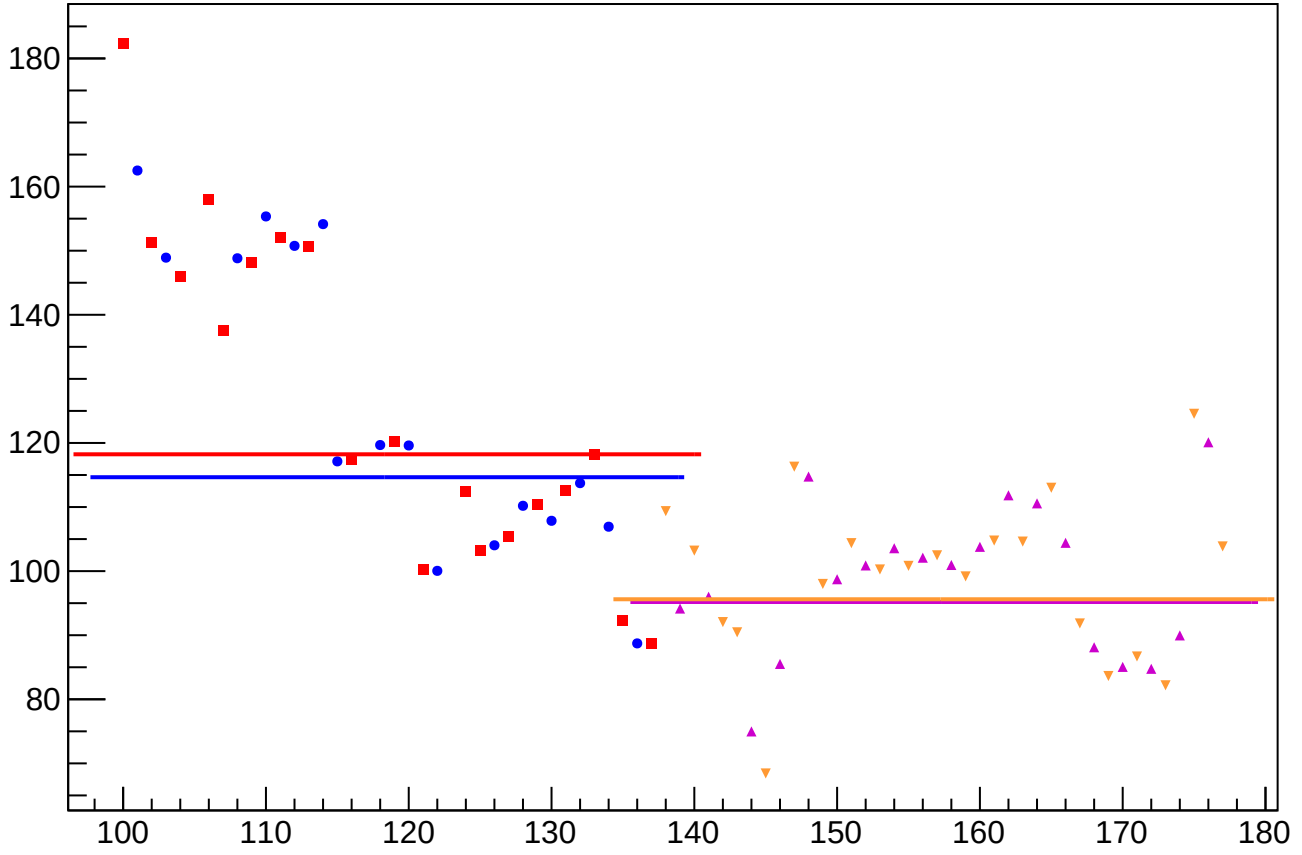
Left In: 20.205+/-24.520 χ^2/NDF:21.9/18

+ sign 13.245+/-20.832 χ^2/NDF: 48.5/36

All: 14.289+/-14.935 χ^2/NDF: 87.2/74

- sign 15.393+/-21.423 χ^2/NDF: 38.6/37

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.609+/-0.017 χ^2/NDF:620648.5/20

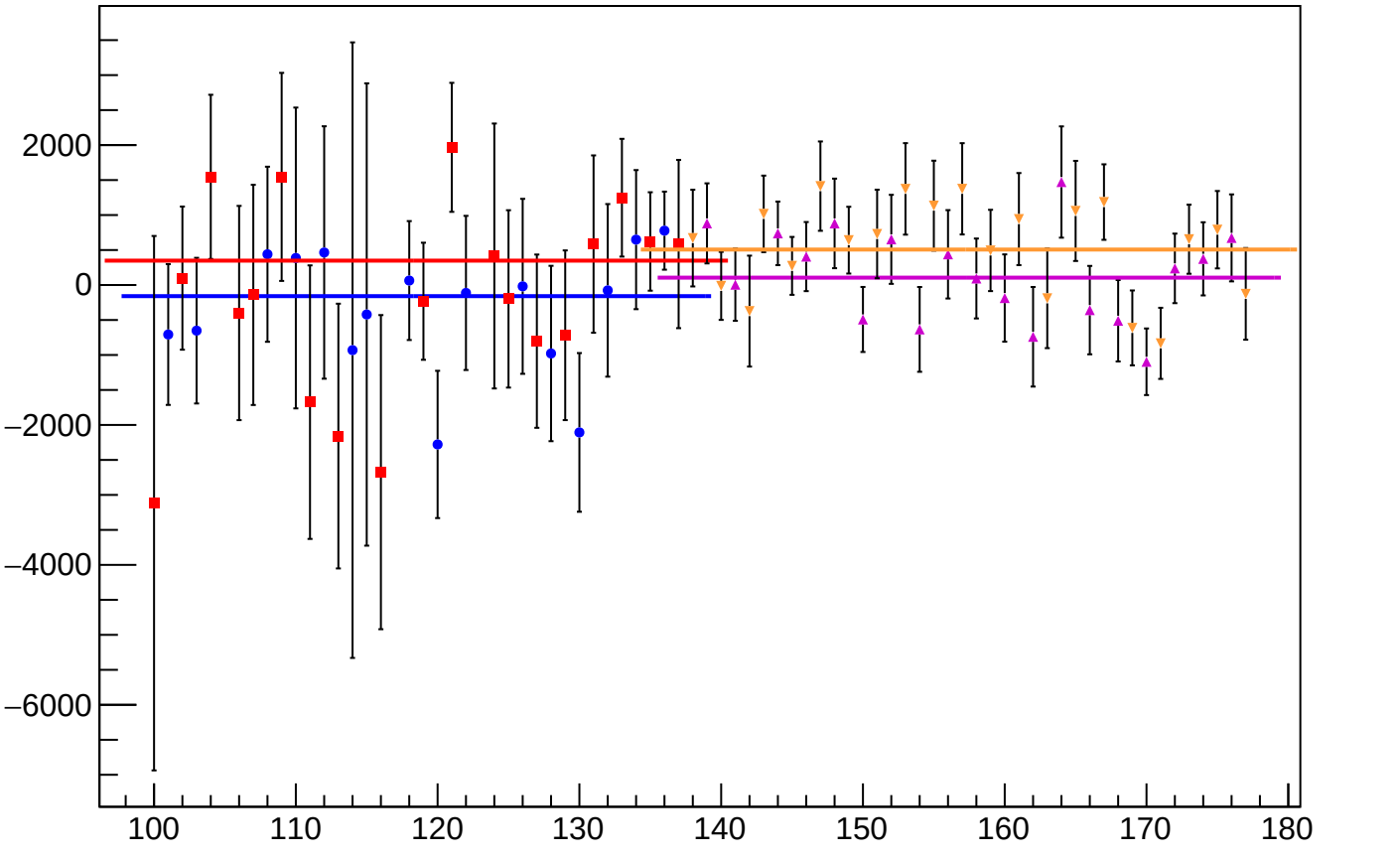
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.185+/-0.017 χ^2/NDF:424511.7/18

+ sign 99.975+/-0.015 χ^2/NDF: 1448006.0/36

All: 100.298+/-0.011 χ^2/NDF: 2775056.7/74

- sign 100.639+/-0.015 χ^2/NDF: 1326061.7/37



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 506.943+/-125.735 χ^2/NDF:26.5/20

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

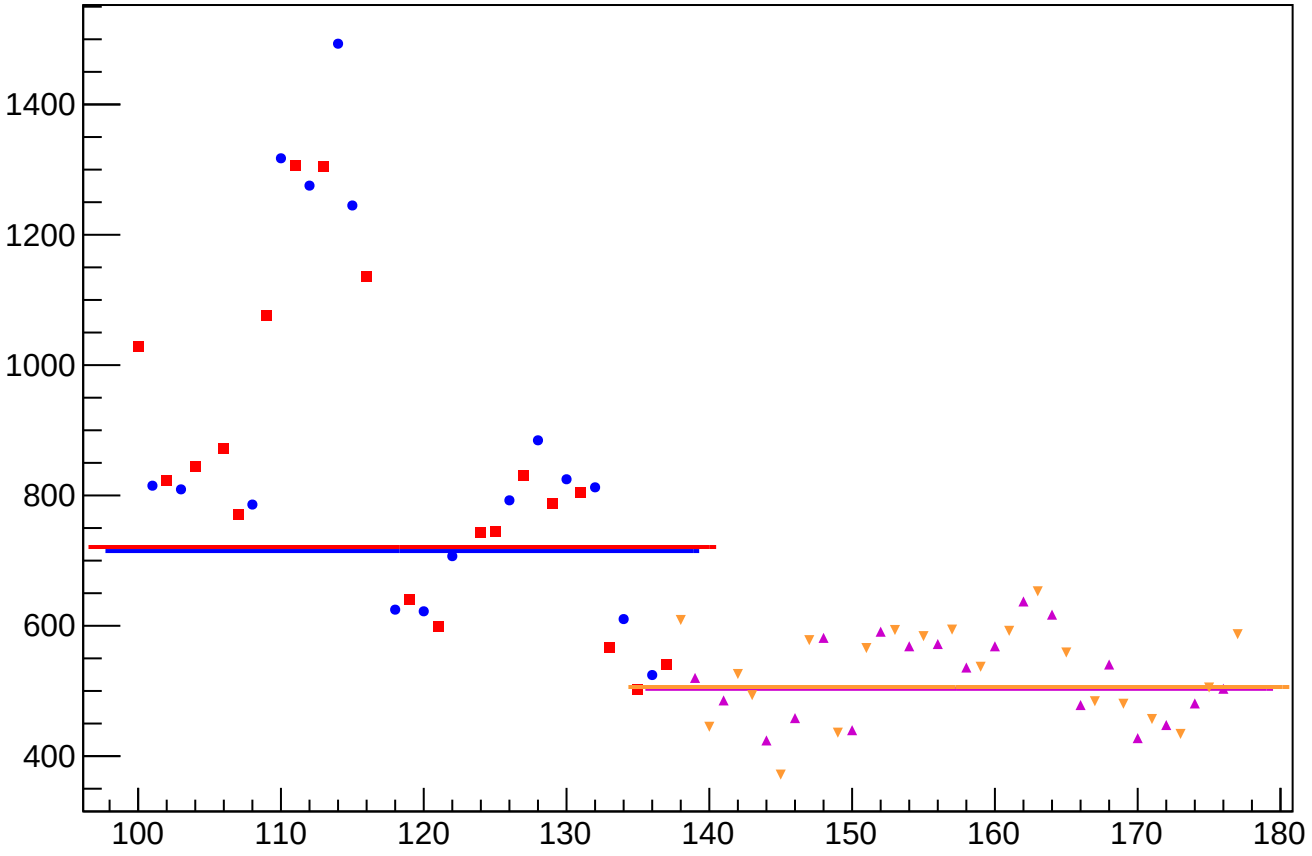
Left In: 105.312+/-129.232 χ^2/NDF:23.6/18

+ sign 391.473+/-114.318 χ^2/NDF: 43.3/36

All: 273.225+/-81.716 χ^2/NDF: 84.1/74

- sign 149.678+/-116.852 χ^2/NDF: 38.6/37

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 506.047+/-0.089 χ^2/NDF:712986.0/20

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

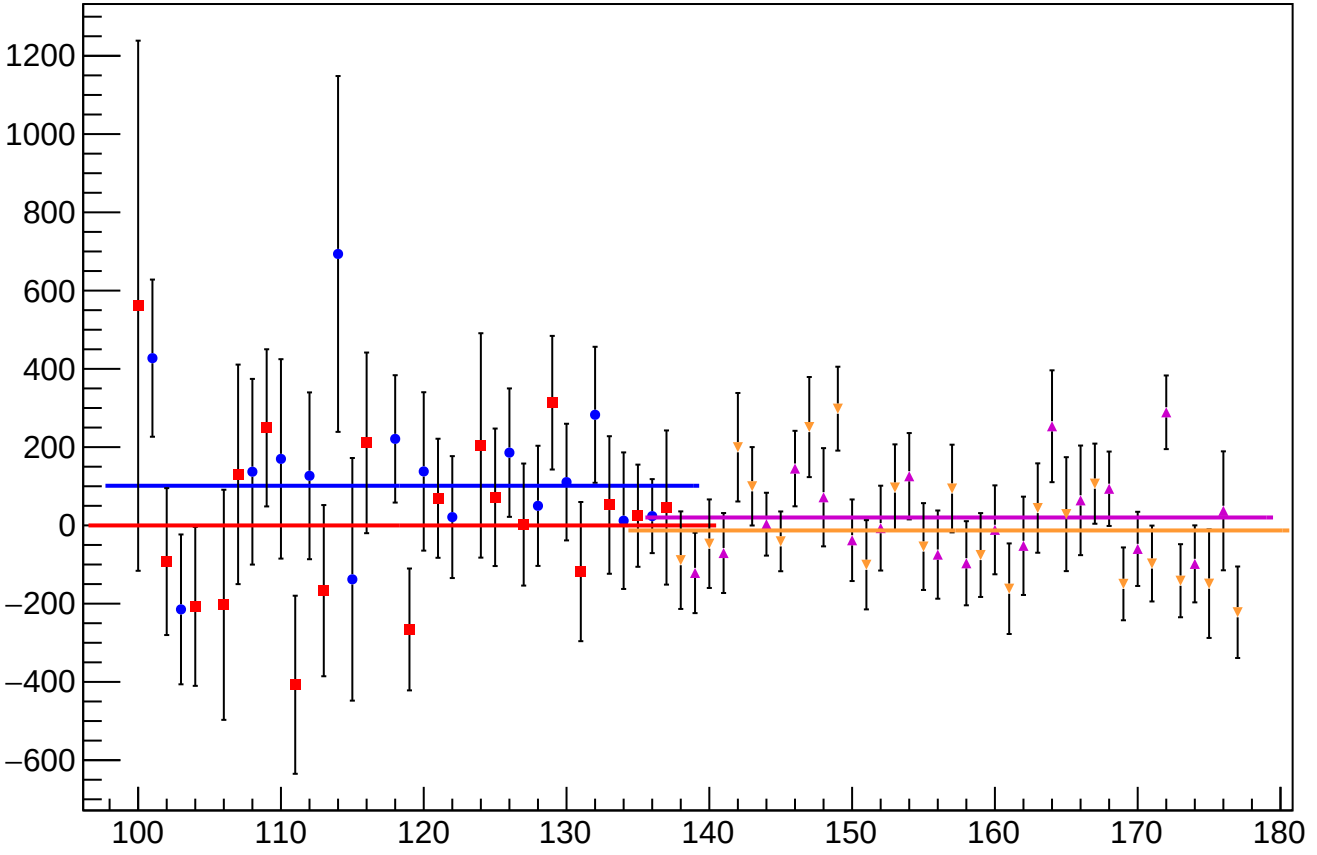
Left In: 503.280+/-0.091 χ^2/NDF:464370.7/18

\+ sign 542.214+/-0.081 χ^2/NDF: 2543725.5/36

All: 542.586+/-0.058 χ^2/NDF: 5060958.4/74

\- sign 542.974+/-0.083 χ^2/NDF: 2517189.7/37

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -12.940+/-23.728 χ^2/NDF:32.2/20

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

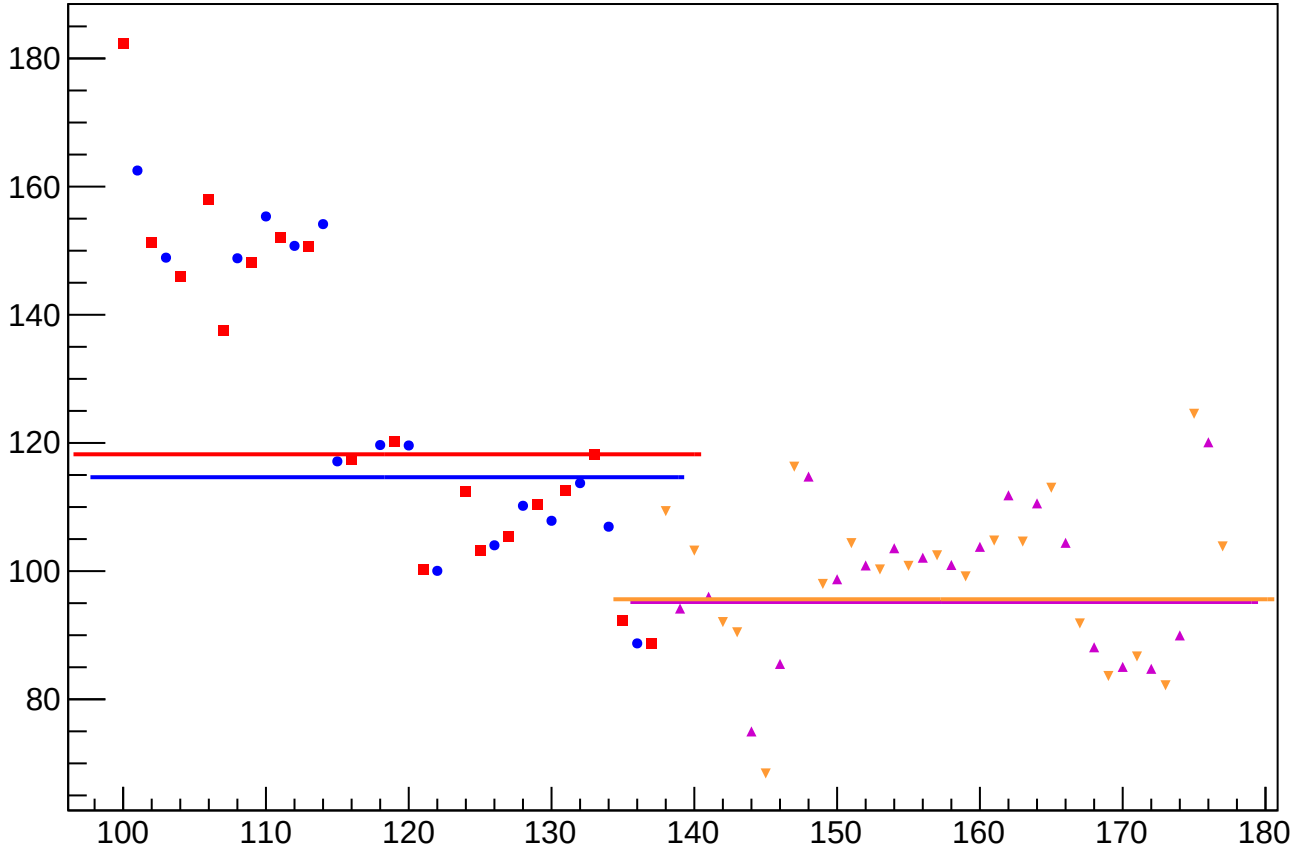
Left In: 20.205+/-24.520 χ^2/NDF:21.9/18

+ sign 13.243+/-20.832 χ^2/NDF: 48.5/36

All: 14.288+/-14.935 χ^2/NDF: 87.2/74

- sign 15.394+/-21.423 χ^2/NDF: 38.6/37

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.609+/-0.017 χ^2/NDF:620653.1/20

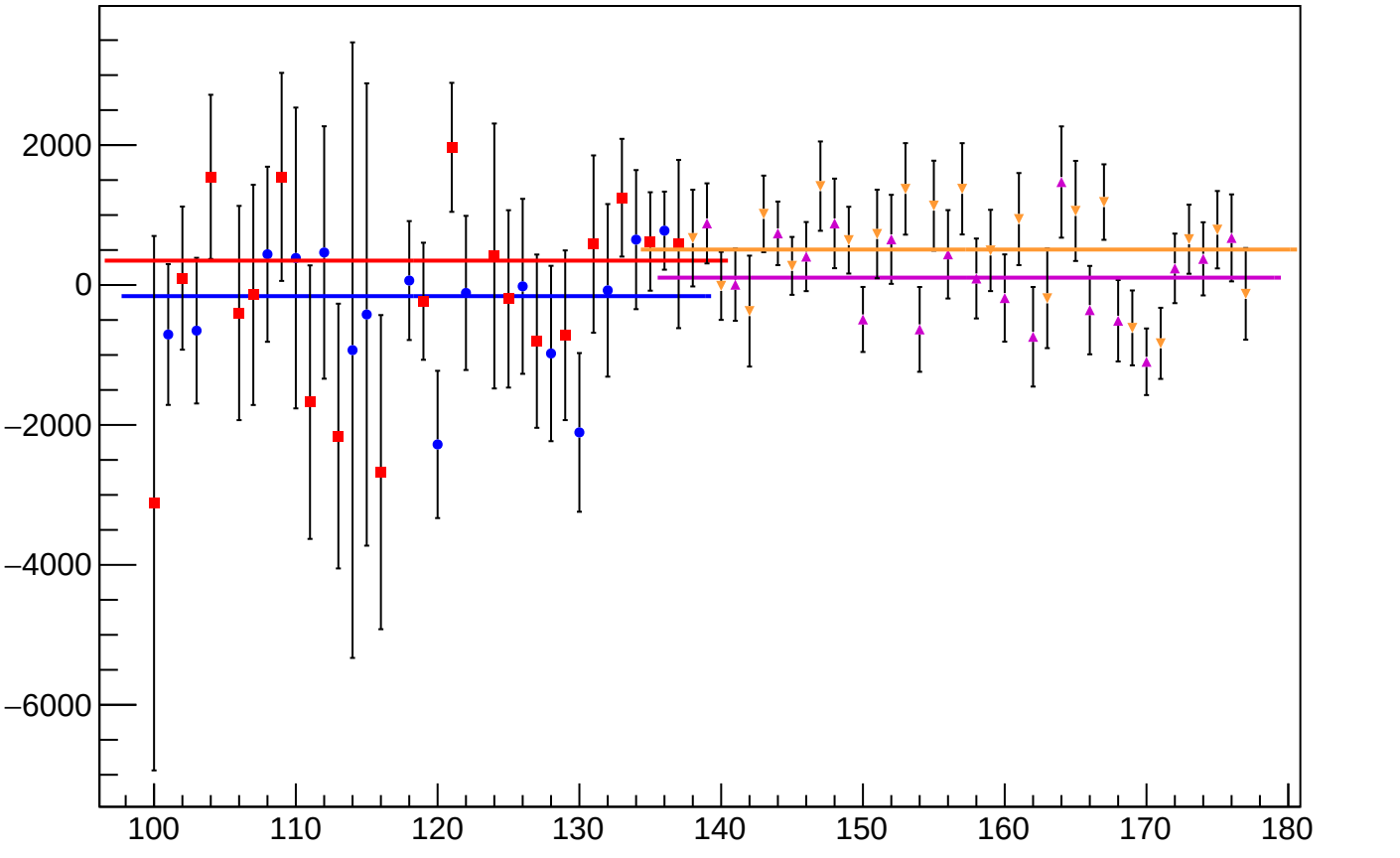
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 95.185+/-0.017 χ^2/NDF:424509.3/18

+ sign 99.975+/-0.015 χ^2/NDF: 1448003.4/36

All: 100.298+/-0.011 χ^2/NDF: 2775044.8/74

- sign 100.639+/-0.015 χ^2/NDF: 1326052.4/37



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 506.942+/-125.735 χ^2/NDF:26.5/20

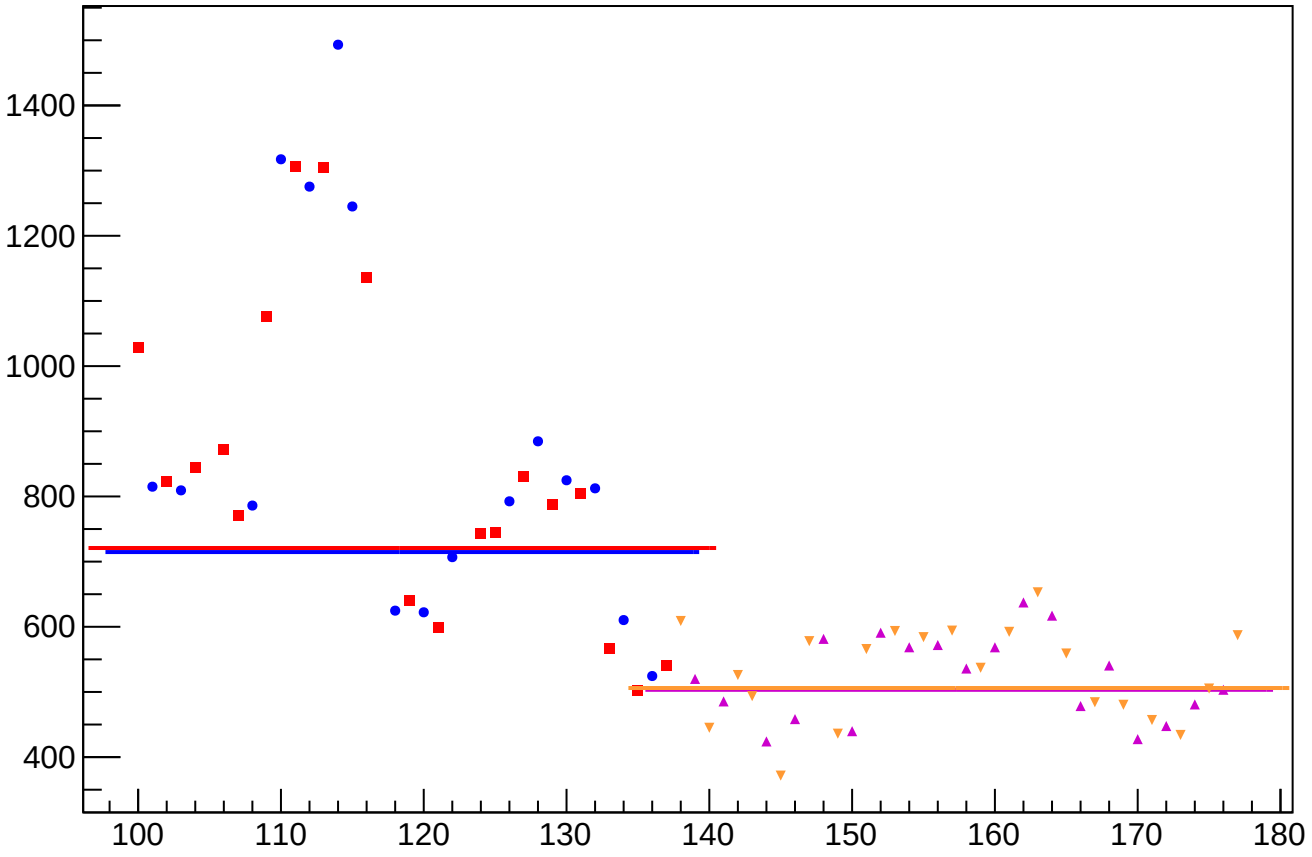
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 105.312+/-129.232 χ^2/NDF:23.6/18

+ sign 391.471+/-114.318 χ^2/NDF: 43.3/36

All: 273.225+/-81.716 χ^2/NDF: 84.1/74

- sign 149.677+/-116.852 χ^2/NDF: 38.6/37



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 506.047+/-0.089 χ^2/NDF:712986.3/20

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

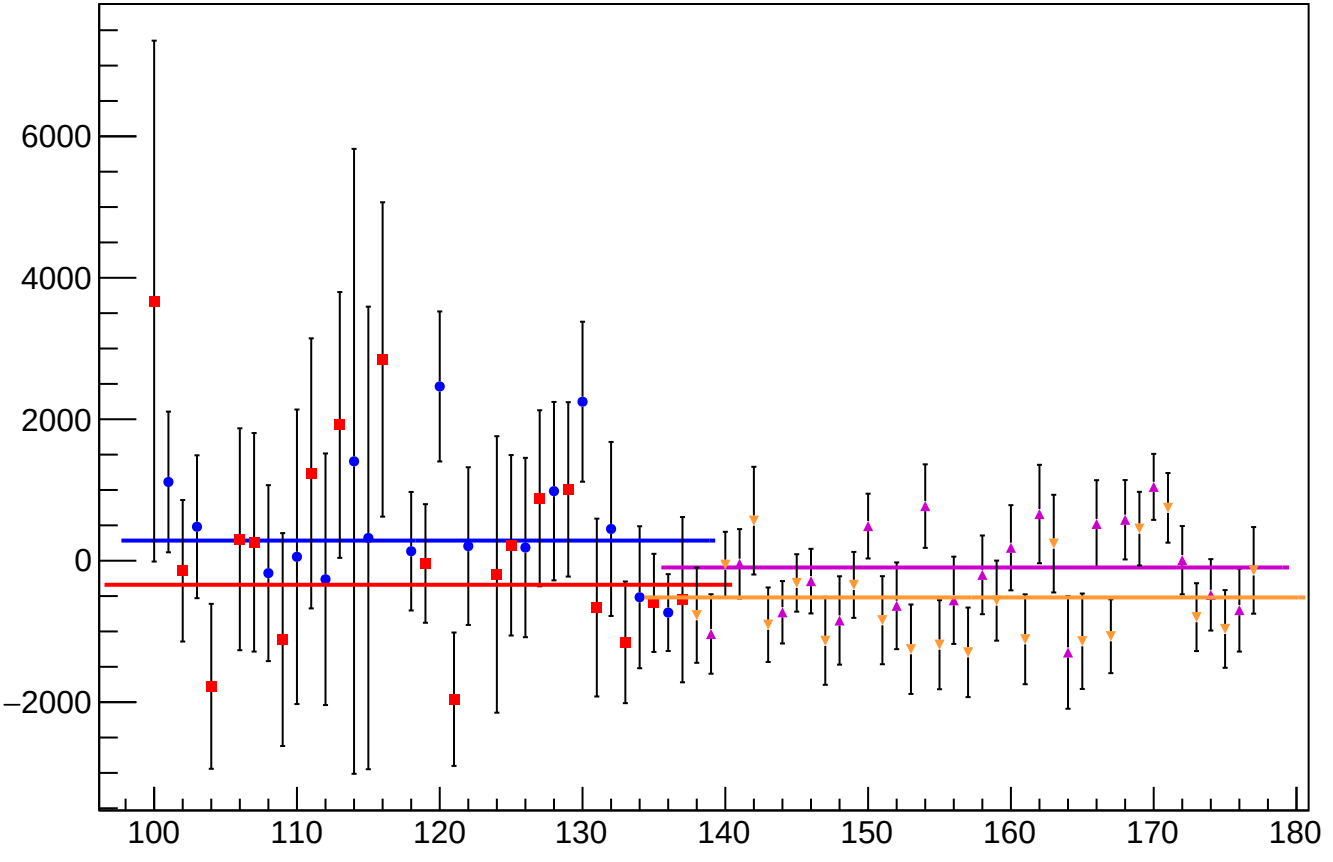
Left In: 503.280+/-0.091 χ^2/NDF:464370.2/18

+ sign 542.214+/-0.081 χ^2/NDF: 2543722.4/36

All: 542.586+/-0.058 χ^2/NDF: 5060947.9/74

- sign 542.974+/-0.083 χ^2/NDF: 2517182.3/37

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -519.254+/-122.008 χ^2/NDF:24.8/20

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

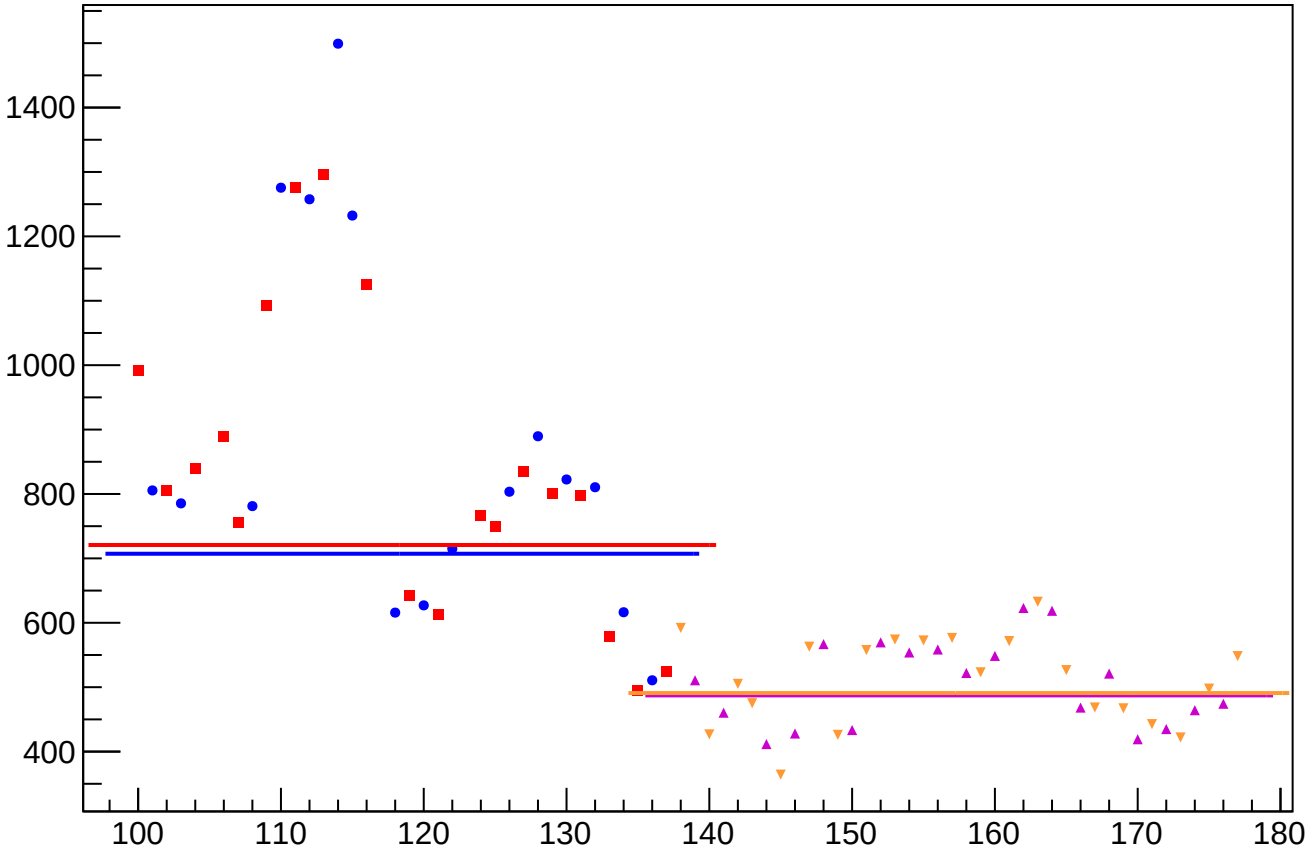
Left In: -95.568+/-125.114 χ^2/NDF:25.4/18

+ sign -384.530+/-111.318 χ^2/NDF: 44.9/36

All: -263.887+/-79.571 χ^2/NDF: 87.5/74

- sign -137.845+/-113.782 χ^2/NDF: 40.2/37

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 490.891+/-0.086 χ^2/NDF:688107.0/20

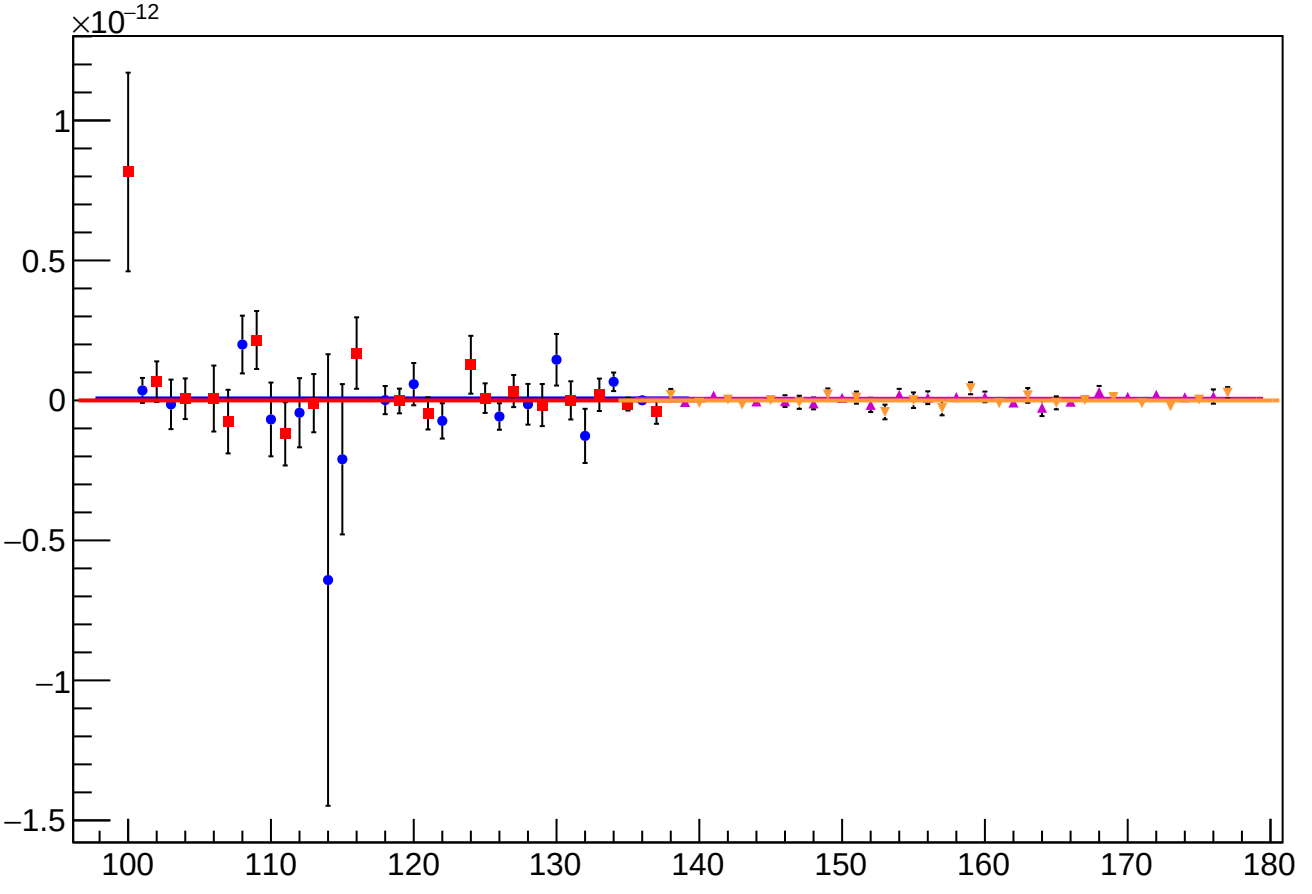
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 487.238+/-0.088 χ^2/NDF:489475.0/18

+ sign 527.137+/-0.079 χ^2/NDF: 2638243.0/36

All: 527.377+/-0.056 χ^2/NDF: 5348183.9/74

- sign 527.628+/-0.080 χ^2/NDF: 2709921.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

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

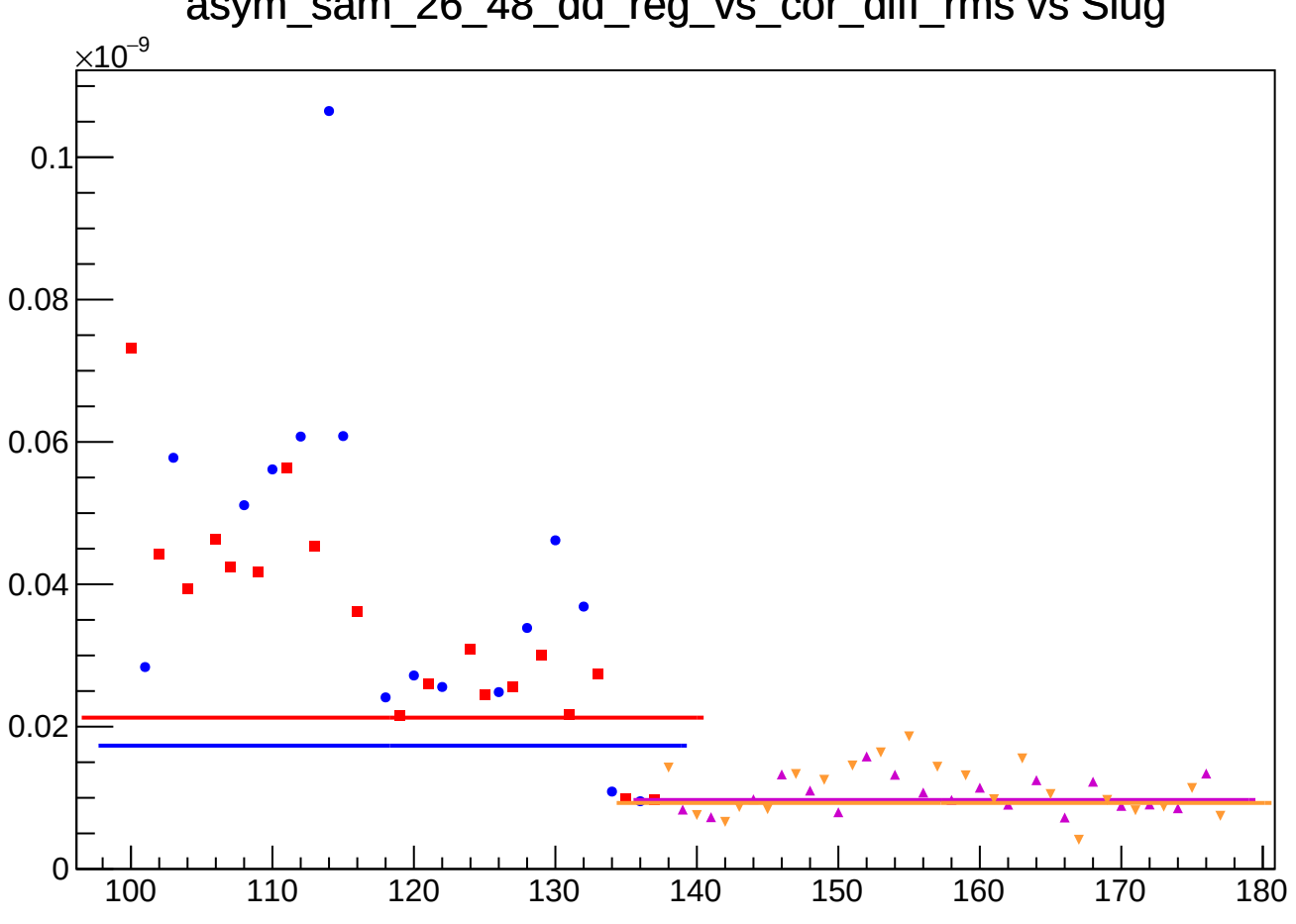
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 34.1/36

All: 0.000+/-0.000 χ^2/NDF: 61.2/74

- sign 0.000+/-0.000 χ^2/NDF: 26.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1735785.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

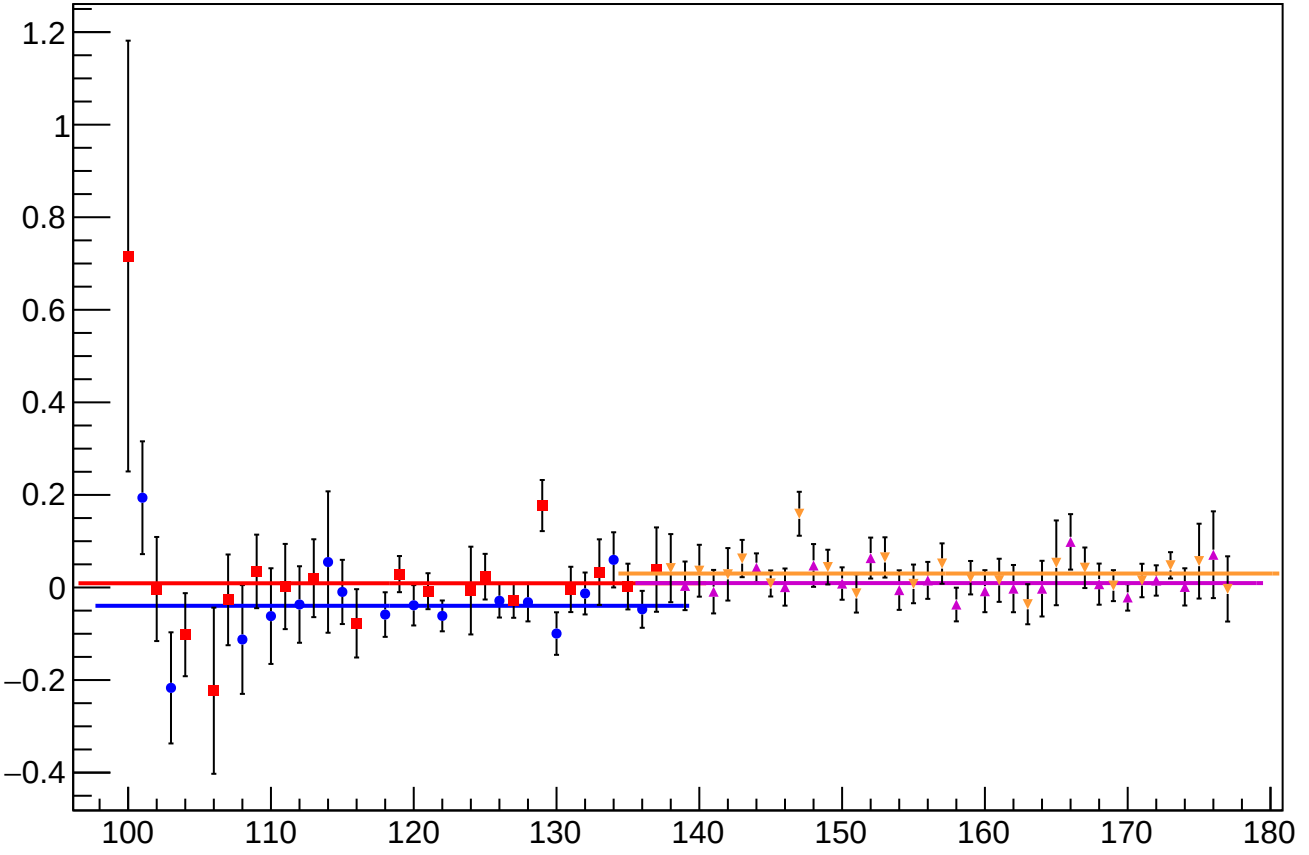
Left In: 0.000+/-0.000 χ^2/NDF:523906.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 4991011.4/36

All: 0.000+/-0.000 χ^2/NDF: 8576102.7/74

- sign 0.000+/-0.000 χ^2/NDF: 3559128.6/37

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: 0.030+/-0.009 χ^2/NDF:15.2/20

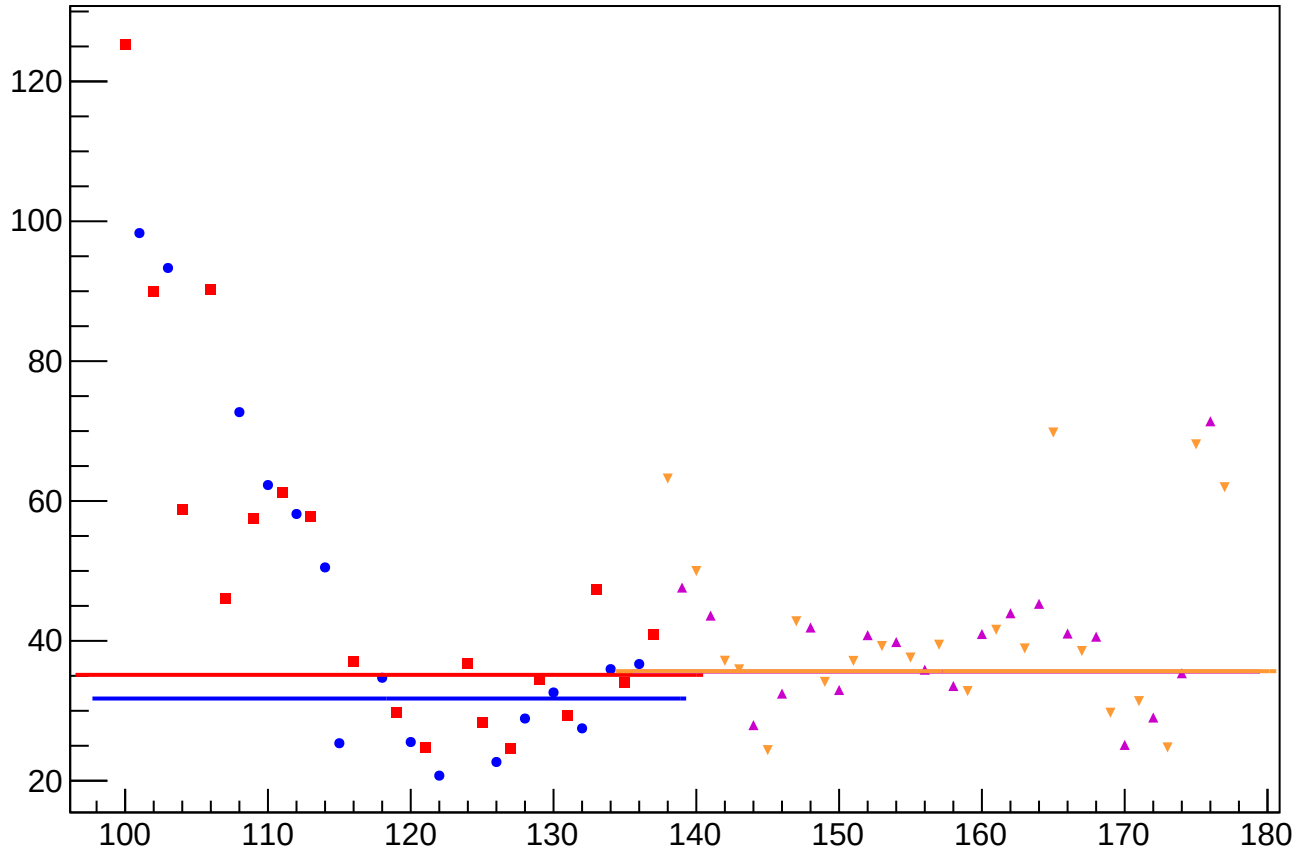
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.4/18

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/36

All: 0.008+/-0.005 χ^2/NDF: 74.2/74

- sign 0.009+/-0.008 χ^2/NDF: 27.7/37



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146094.2/20

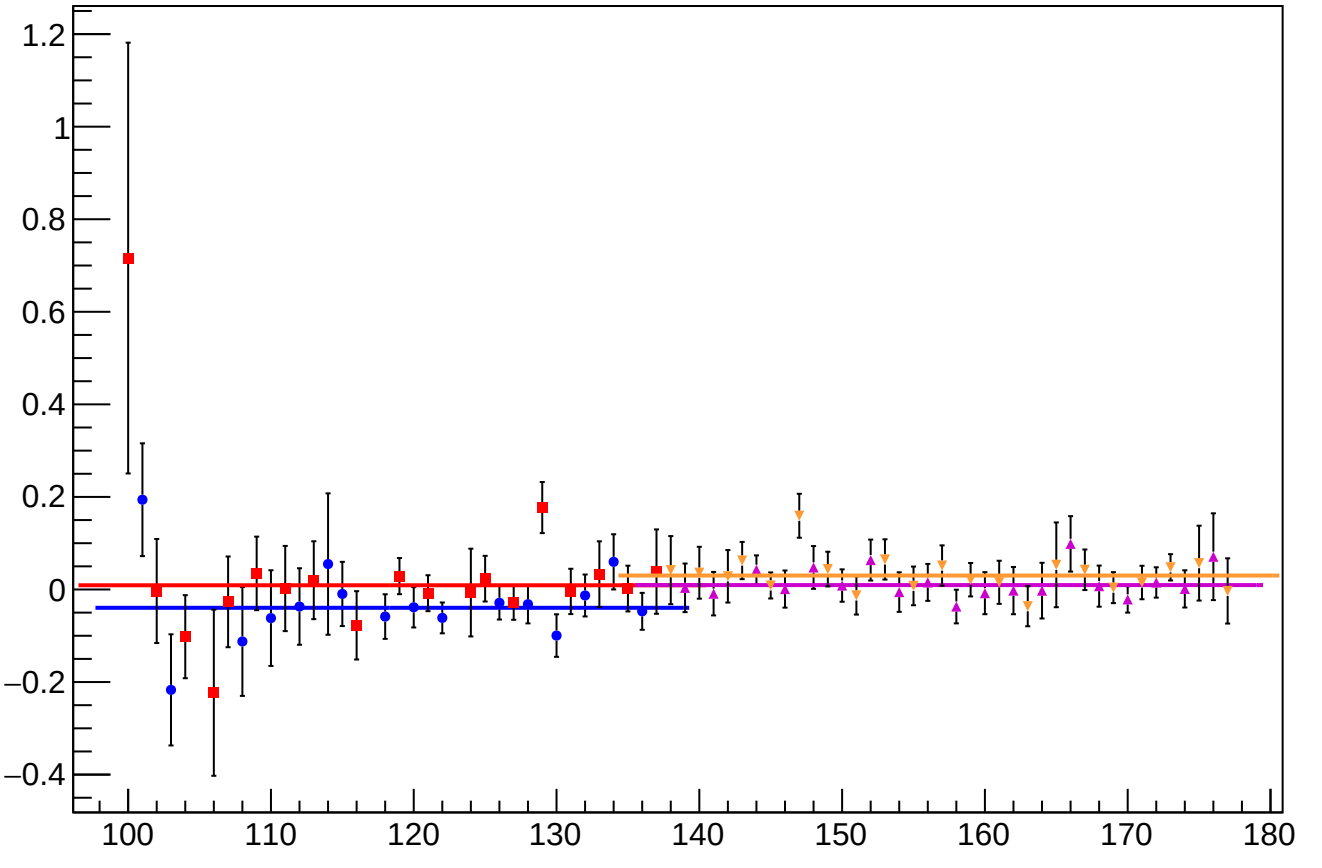
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215693.4/18

\+ sign 34.373+/-0.005 χ^2/NDF: 4516608.8/36

All: 34.893+/-0.004 χ^2/NDF: 7598236.5/74

\- sign 35.461+/-0.006 χ^2/NDF: 3061863.6/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:15.2/20

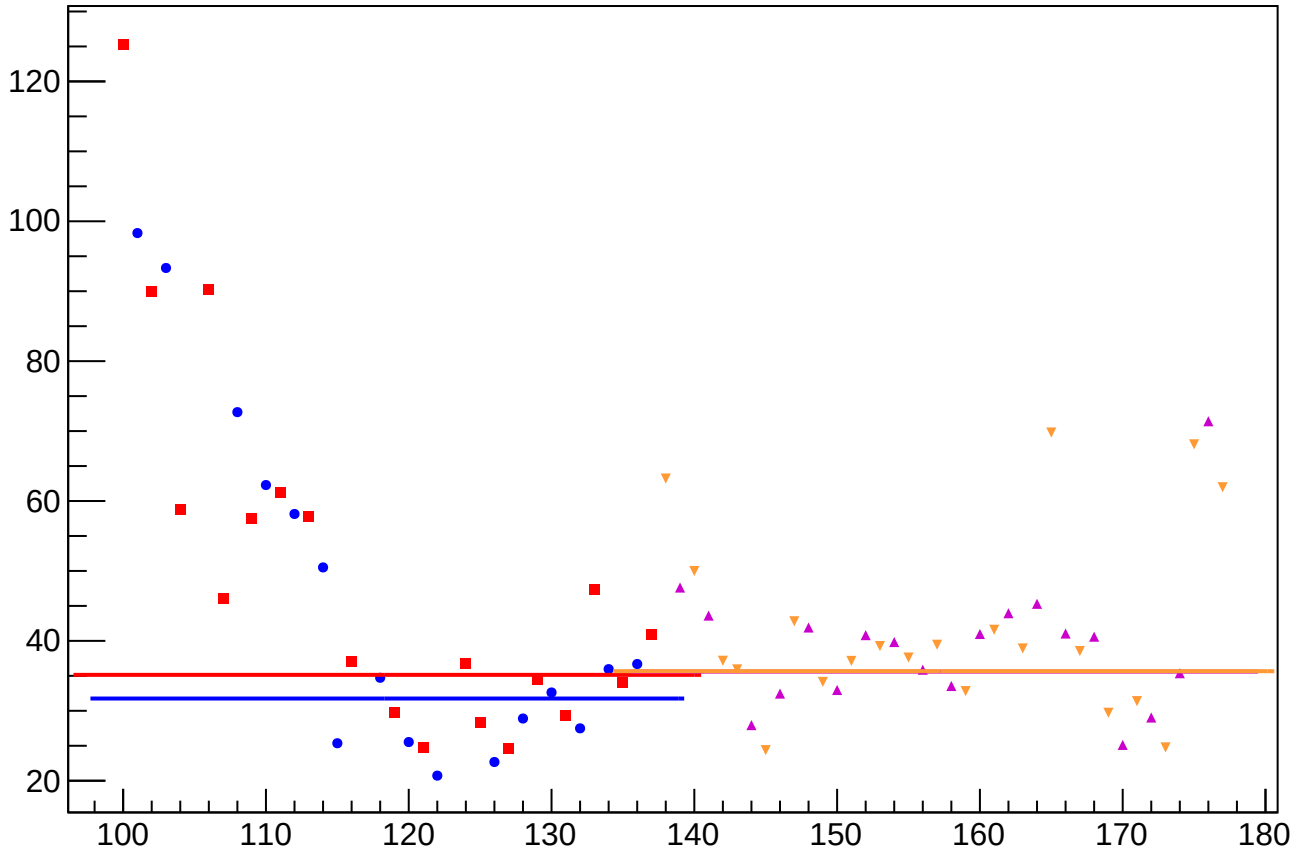
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.4/18

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/36

All: 0.008+/-0.005 χ^2/NDF: 74.2/74

- sign 0.009+/-0.008 χ^2/NDF: 27.7/37



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146094.2/20

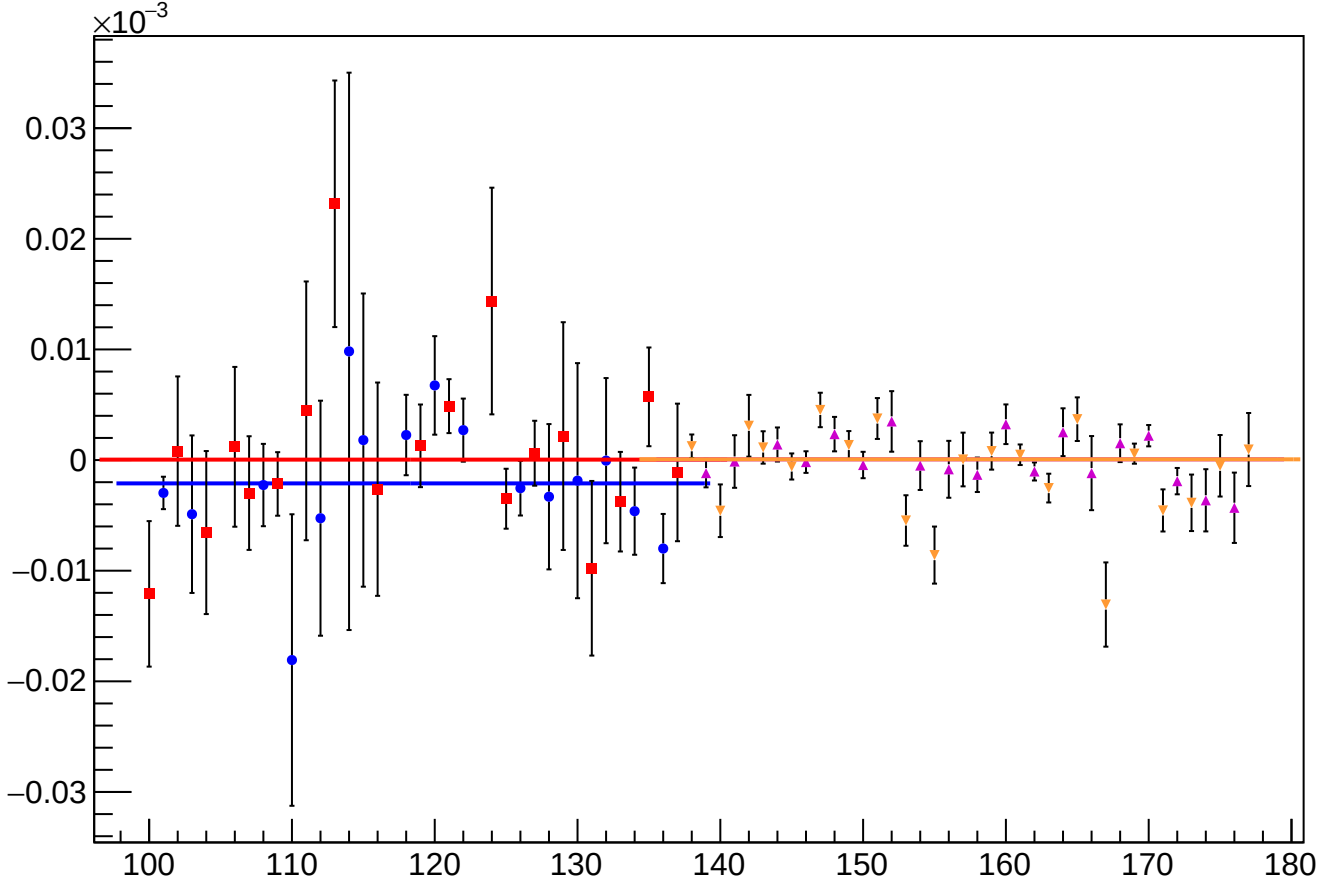
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215693.4/18

+ sign 34.373+/-0.005 χ^2/NDF: 4516608.8/36

All: 34.893+/-0.004 χ^2/NDF: 7598236.5/74

- sign 35.461+/-0.006 χ^2/NDF: 3061863.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:65.8/20

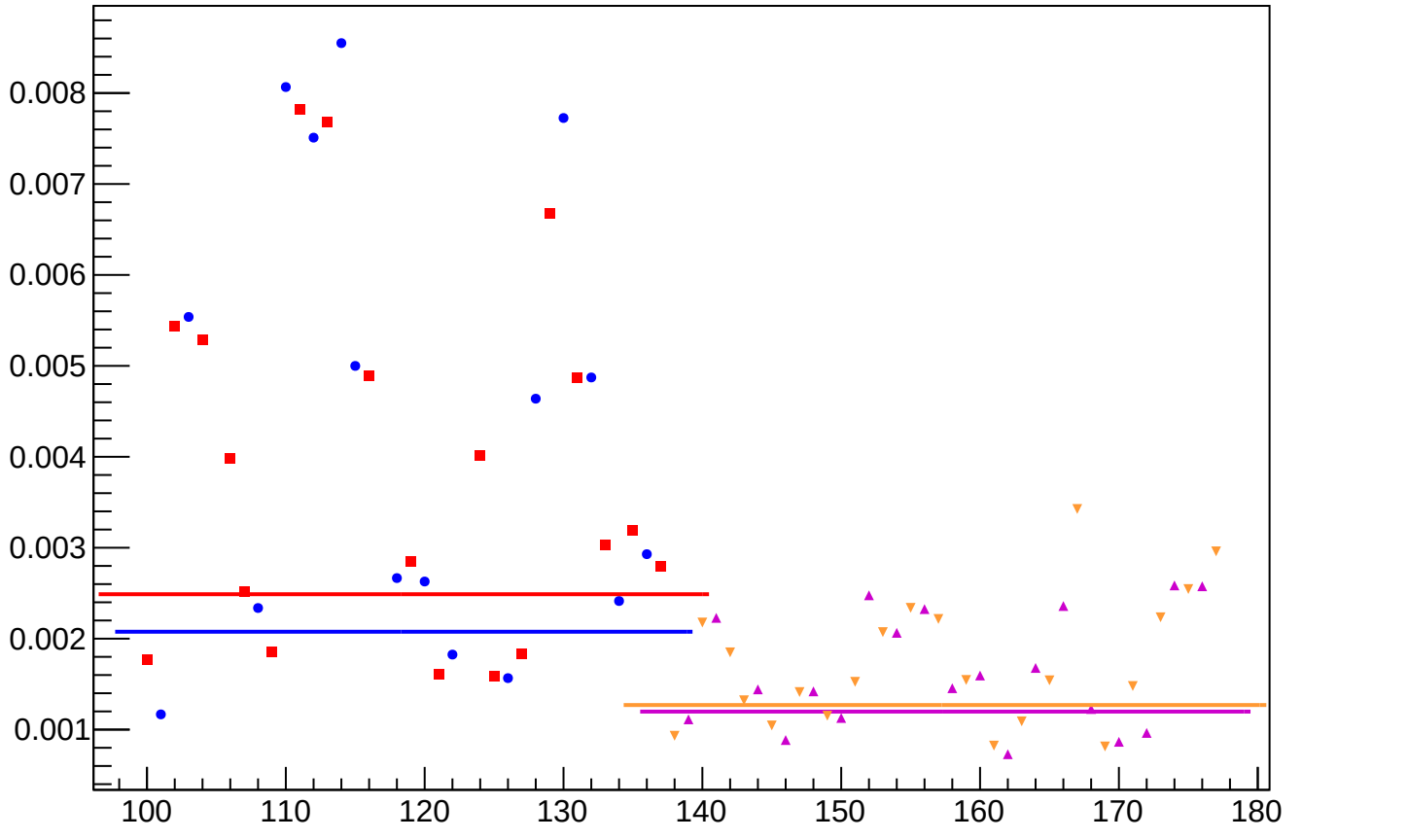
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:25.0/18

+ sign -0.000+/-0.000 χ^2/NDF: 85.6/36

All: -0.000+/-0.000 χ^2/NDF: 132.3/74

- sign 0.000+/-0.000 χ^2/NDF: 46.4/37



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4611008.9/20

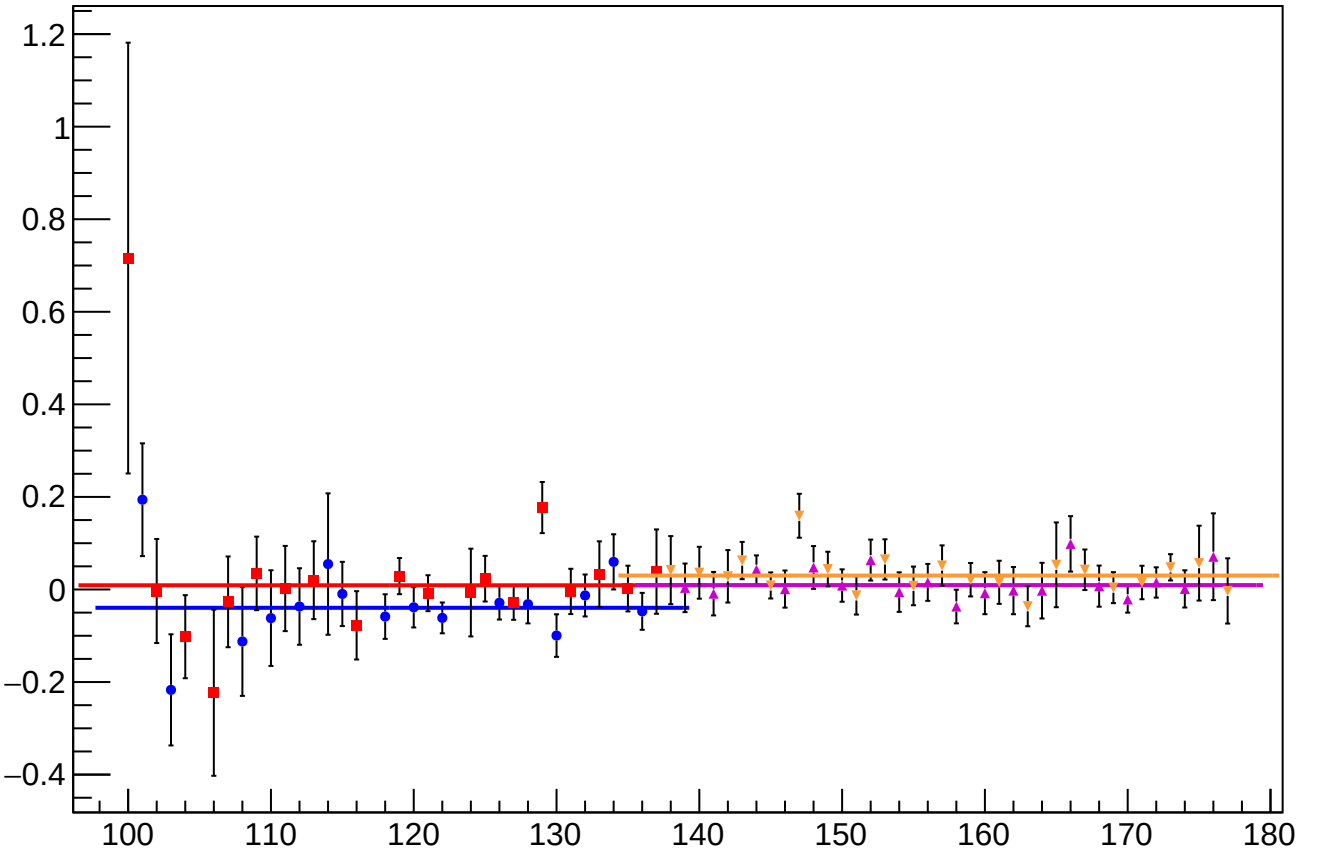
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4147650.6/18

+ sign 0.001+/-0.000 χ^2/NDF: 9903883.9/36

All: 0.001+/-0.000 χ^2/NDF: 19942485.1/74

- sign 0.001+/-0.000 χ^2/NDF: 10015113.3/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:15.2/20

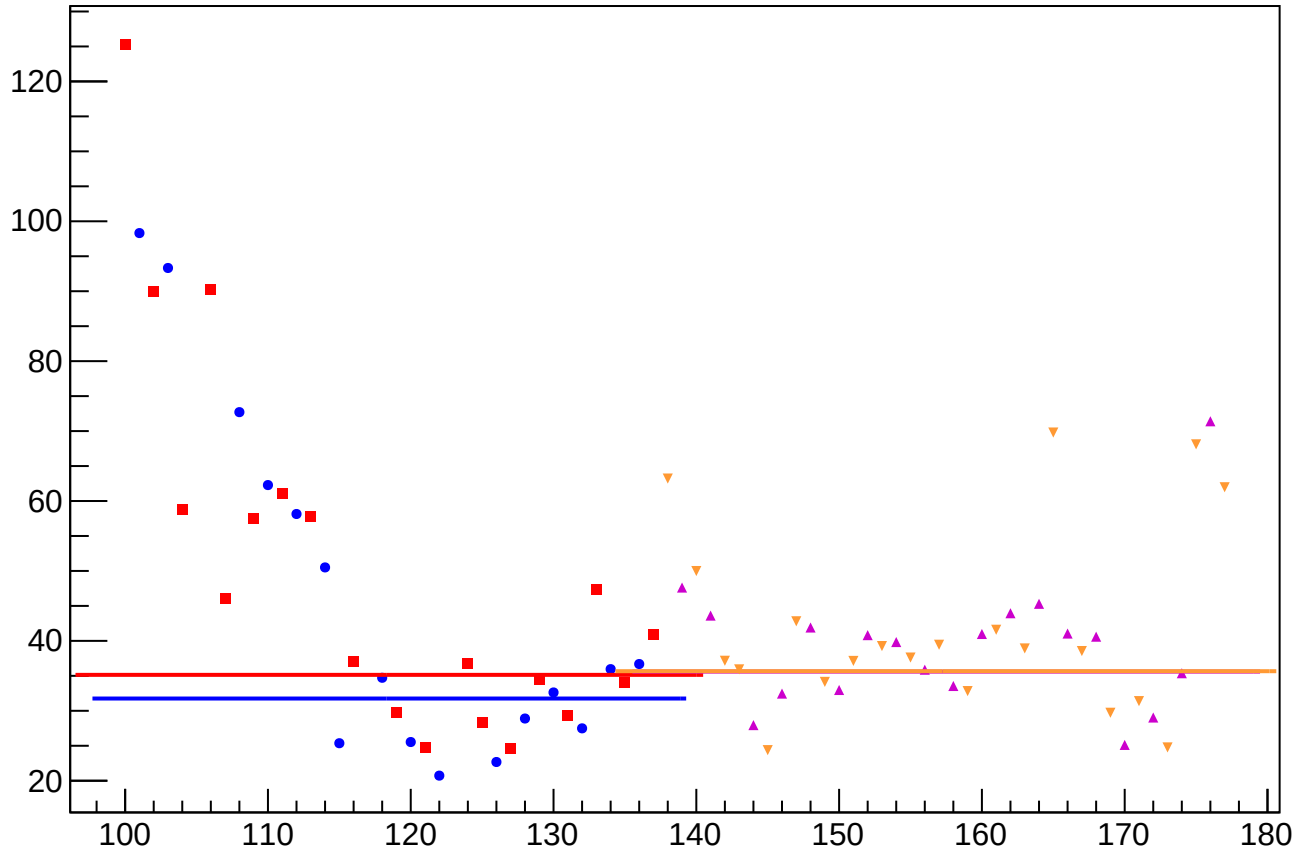
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.4/18

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/36

All: 0.008+/-0.005 χ^2/NDF: 74.2/74

- sign 0.009+/-0.008 χ^2/NDF: 27.7/37



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146101.8/20

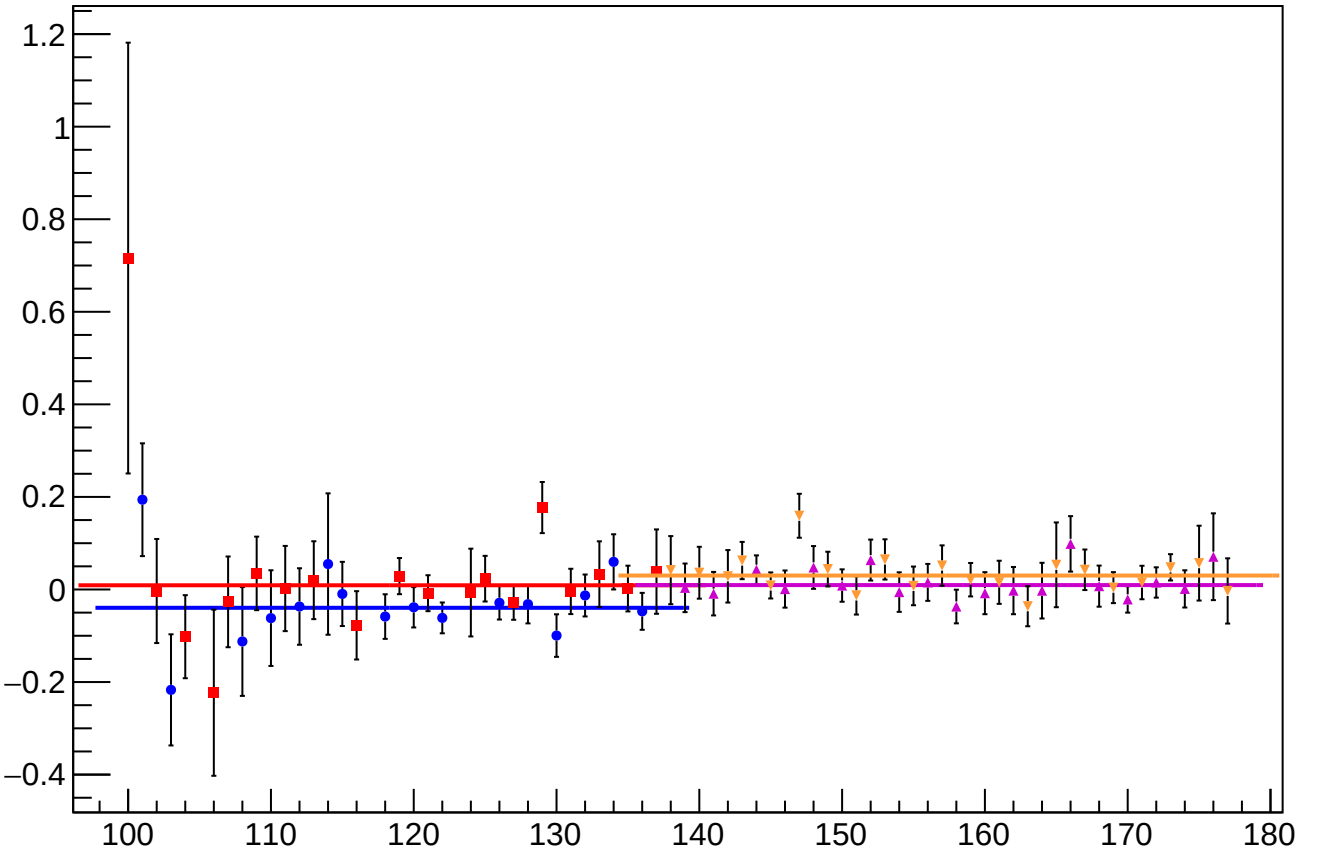
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215687.7/18

\+ sign 34.373+/-0.005 χ^2/NDF: 4516566.1/36

All: 34.893+/-0.004 χ^2/NDF: 7598080.7/74

\- sign 35.461+/-0.006 χ^2/NDF: 3061750.7/37



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:15.2/20

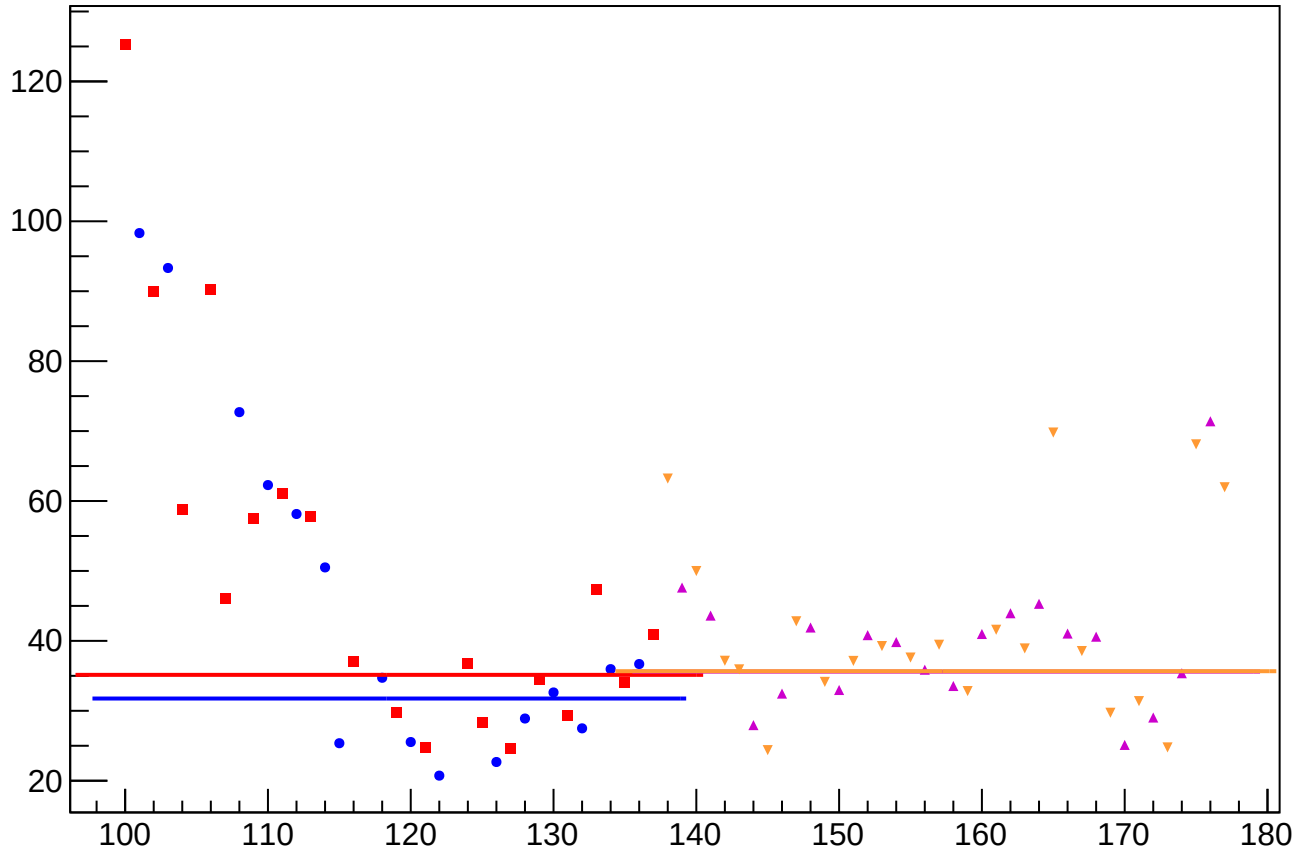
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:9.4/18

+ sign 0.007+/-0.008 χ^2/NDF: 46.4/36

All: 0.008+/-0.005 χ^2/NDF: 74.2/74

- sign 0.009+/-0.008 χ^2/NDF: 27.7/37



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146101.8/20

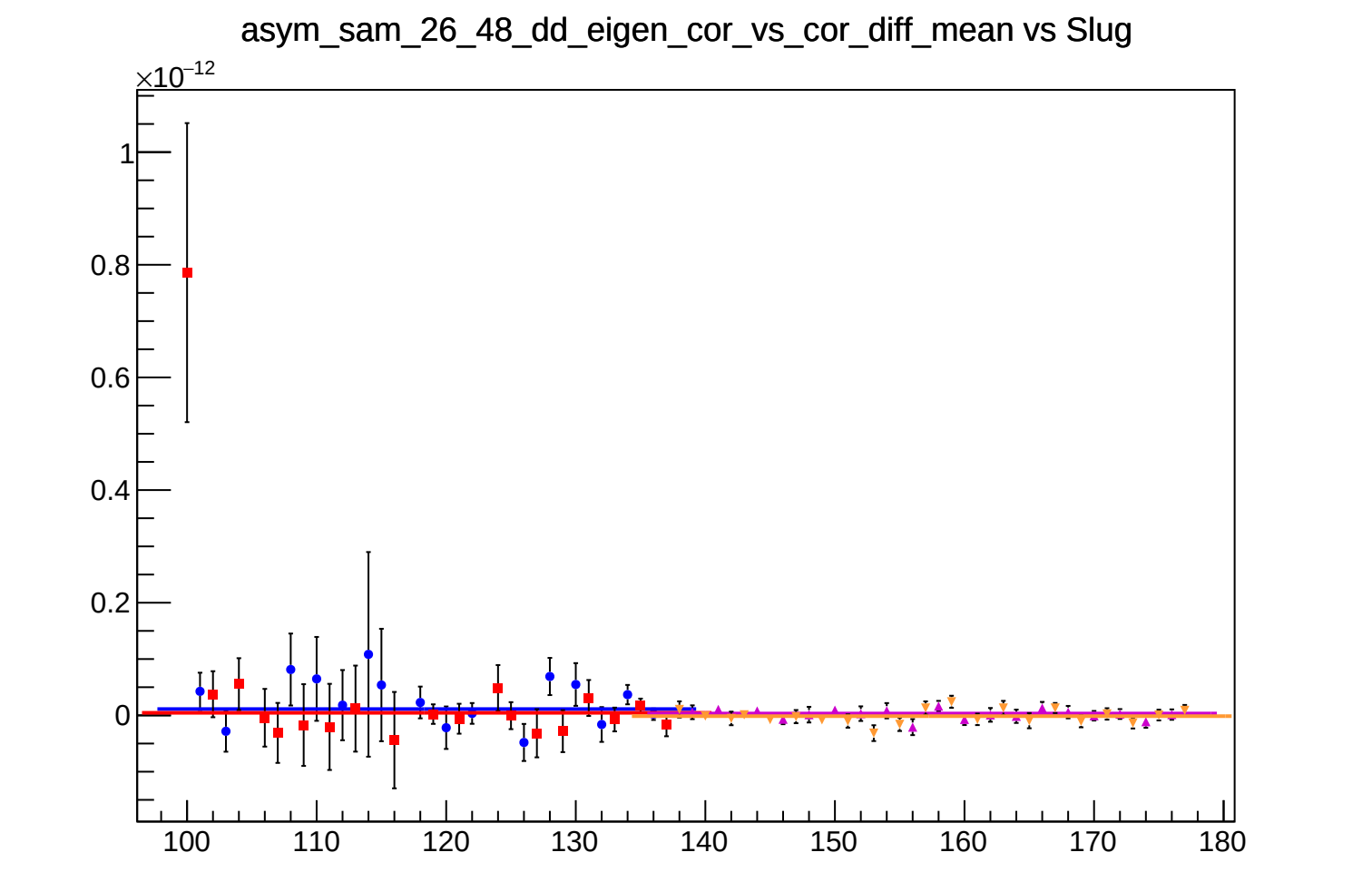
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215687.7/18

+ sign 34.373+/-0.005 χ^2/NDF: 4516566.1/36

All: 34.893+/-0.004 χ^2/NDF: 7598080.7/74

- sign 35.461+/-0.006 χ^2/NDF: 3061750.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/20

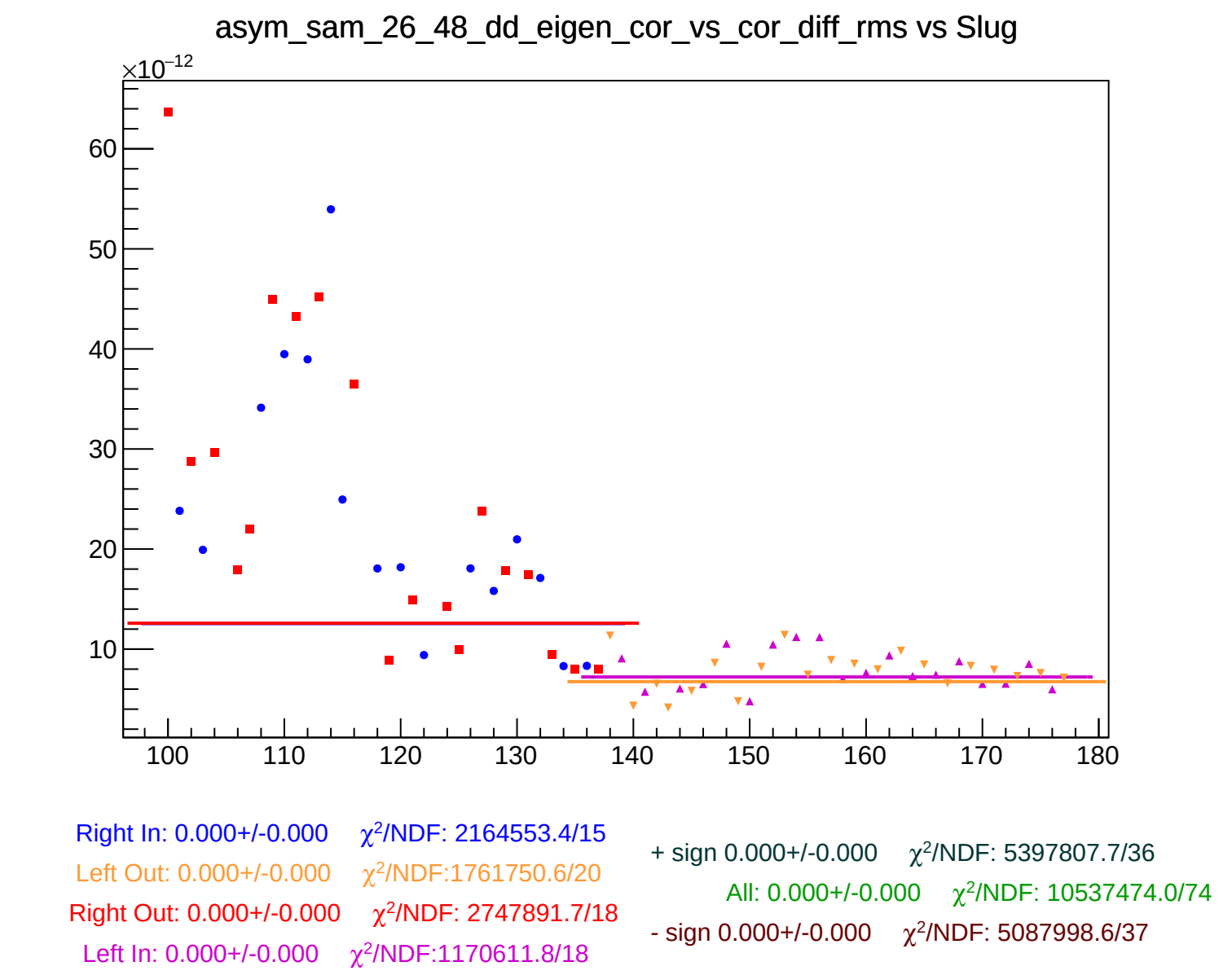
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/18

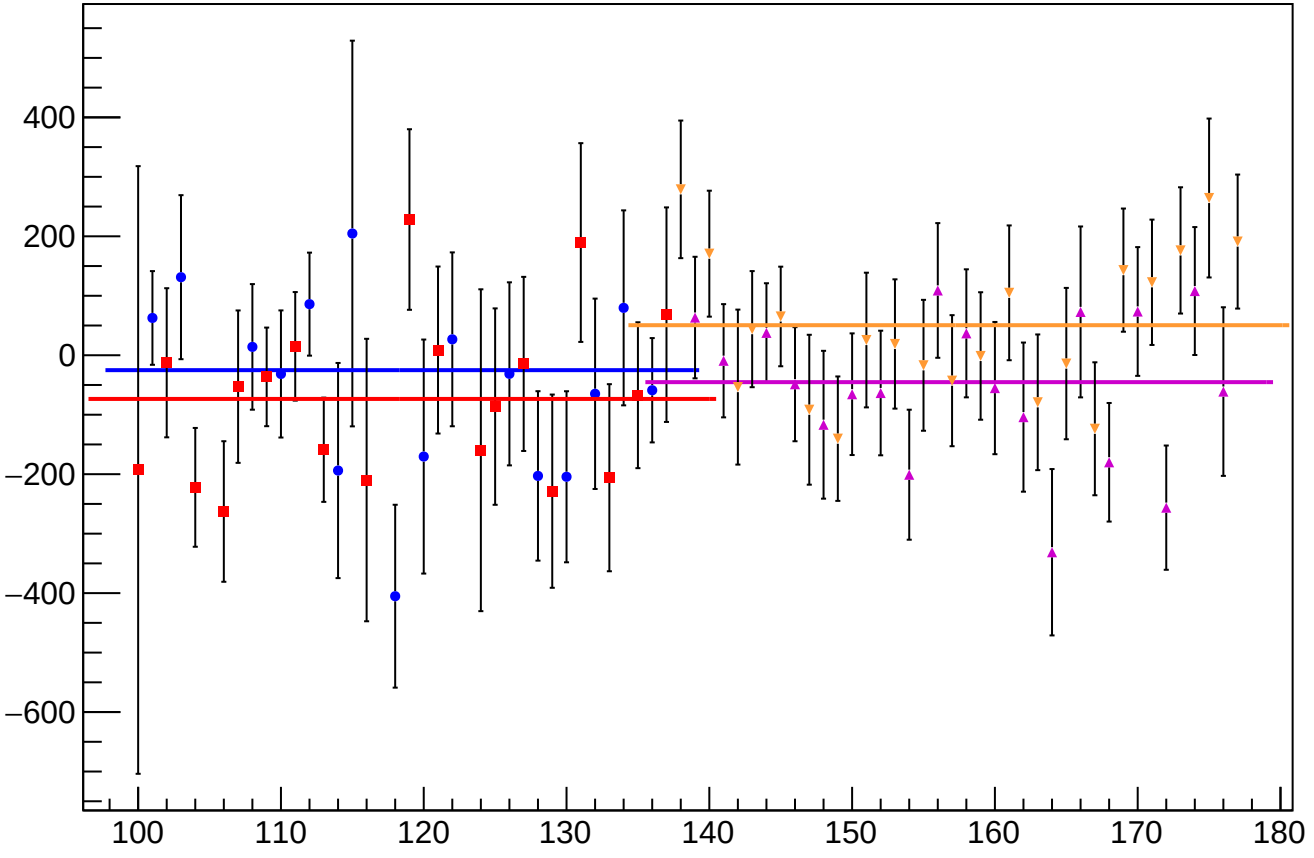
+ sign -0.000+/-0.000 χ^2/NDF: 44.7/36

All: 0.000+/-0.000 χ^2/NDF: 76.3/74

- sign 0.000+/-0.000 χ^2/NDF: 30.0/37


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1761750.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1170611.8/18
+ sign 0.000+/-0.000 χ²/NDF: 5397807.7/36
All: 0.000+/-0.000 χ²/NDF: 10537474.0/74
- sign 0.000+/-0.000 χ²/NDF: 5087998.6/37

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.524+/-23.956 χ^2/NDF:22.9/20

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

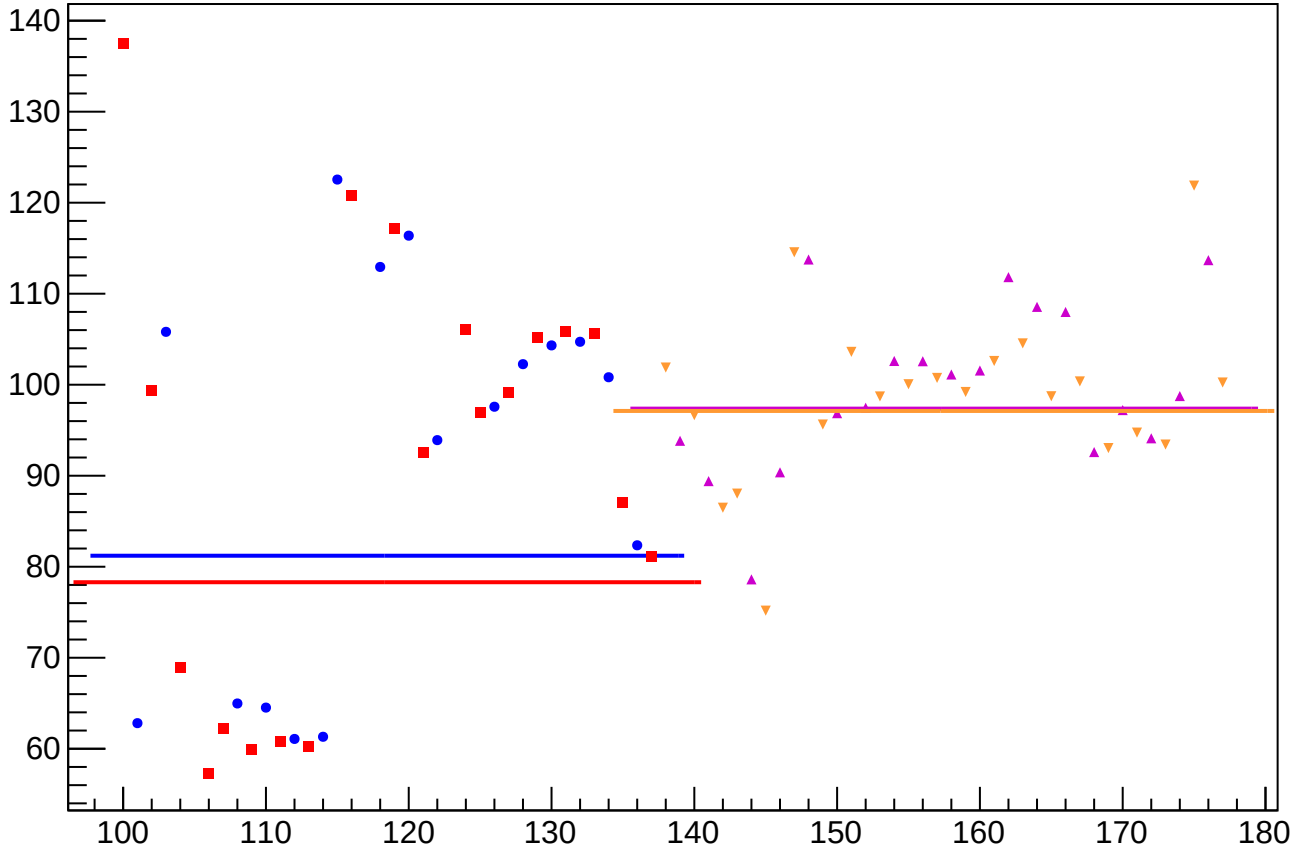
Left In: -45.229+/-24.878 χ^2/NDF:21.4/18

+ sign 22.519+/-19.008 χ^2/NDF: 42.8/36

All: -16.861+/-13.485 χ^2/NDF: 90.1/74

- sign -56.761+/-19.133 χ^2/NDF: 38.7/37

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 97.117+/-0.017 χ^2/NDF:313384.1/20

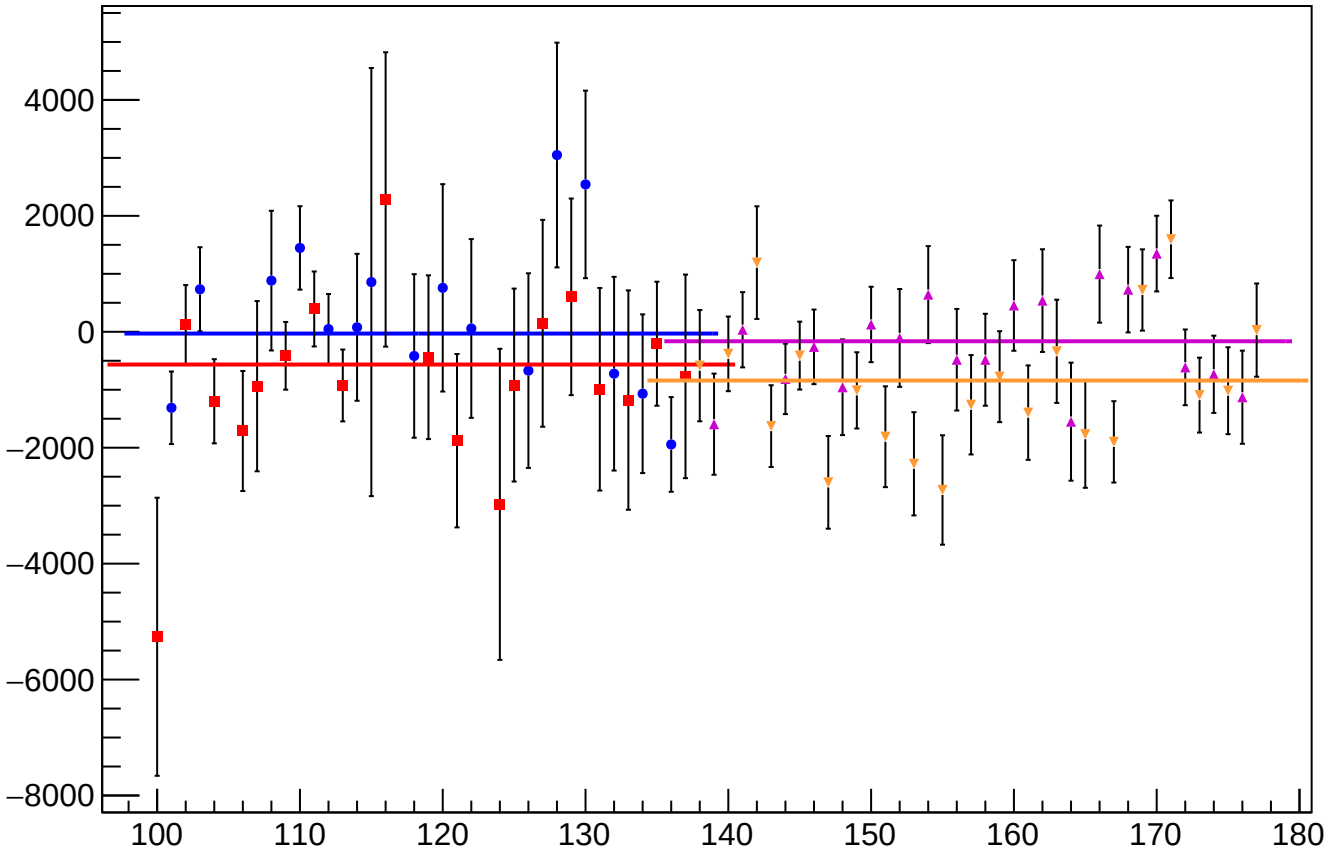
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

+ sign 91.224+/-0.013 χ^2/NDF: 1427747.3/36

All: 90.407+/-0.010 χ^2/NDF: 3110848.2/74

- sign 89.580+/-0.014 χ^2/NDF: 1675663.5/37



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -840.774+/-166.656 χ^2/NDF:43.4/20

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

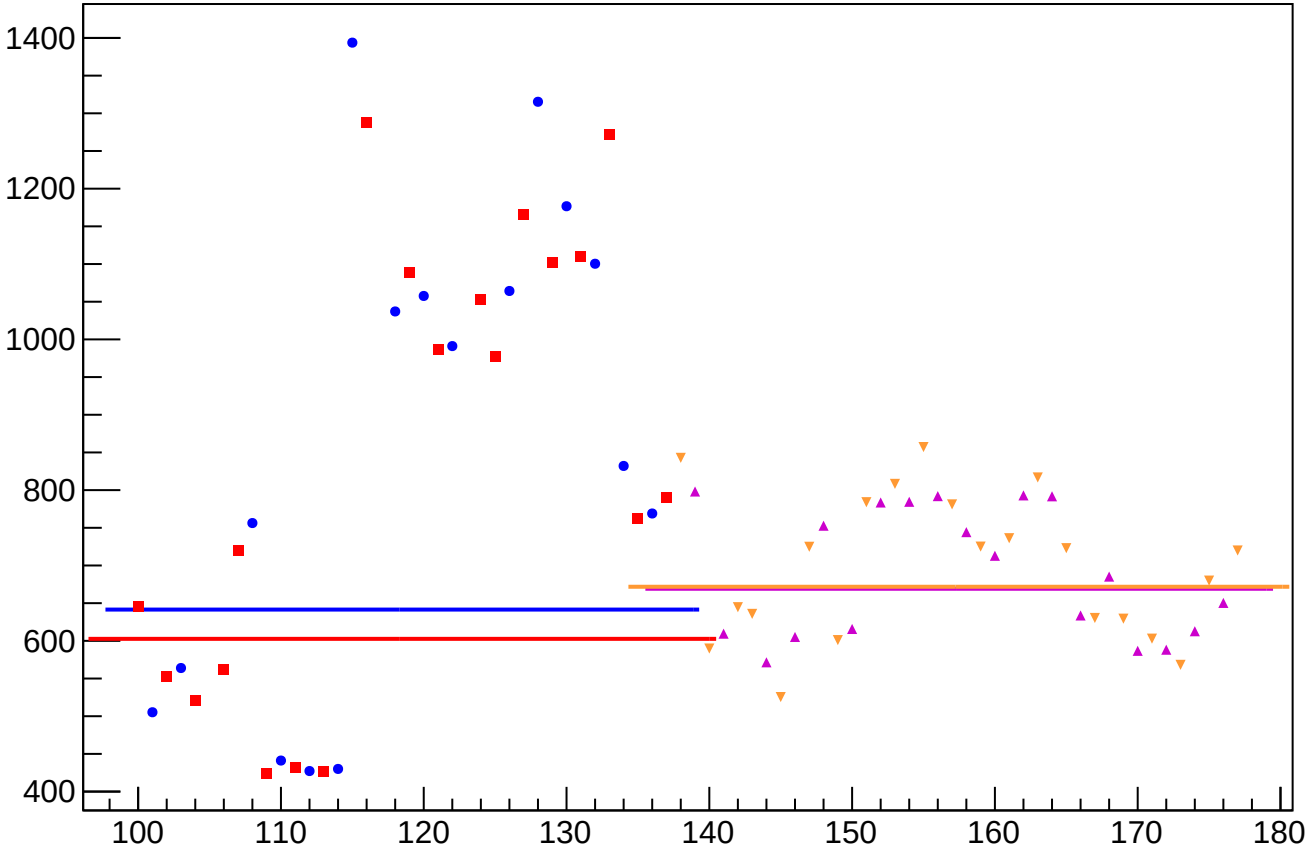
Left In: -163.470+/-171.515 χ^2/NDF:20.8/18

+ sign -600.882+/-139.830 χ^2/NDF: 72.2/36

All: -449.967+/-98.667 χ^2/NDF: 110.5/74

- sign -300.310+/-139.245 χ^2/NDF: 35.9/37

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.5/20

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

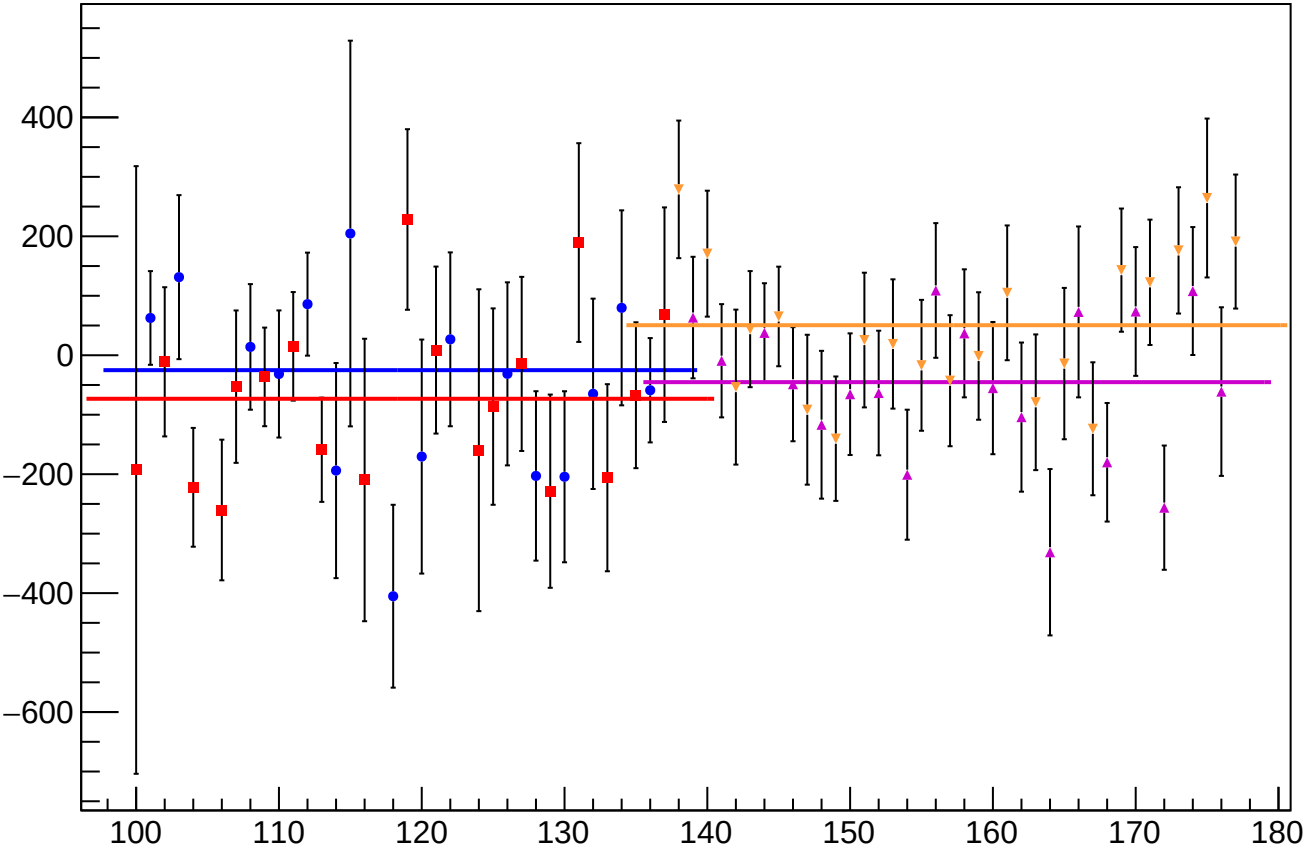
Left In: 669.111+/-0.121 χ^2/NDF:454867.3/18

+ sign 662.815+/-0.099 χ^2/NDF: 2519210.3/36

All: 654.602+/-0.070 χ^2/NDF: 5160488.4/74

- sign 646.456+/-0.098 χ^2/NDF: 2627533.1/37

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.528+/-23.956 χ^2/NDF:22.9/20

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

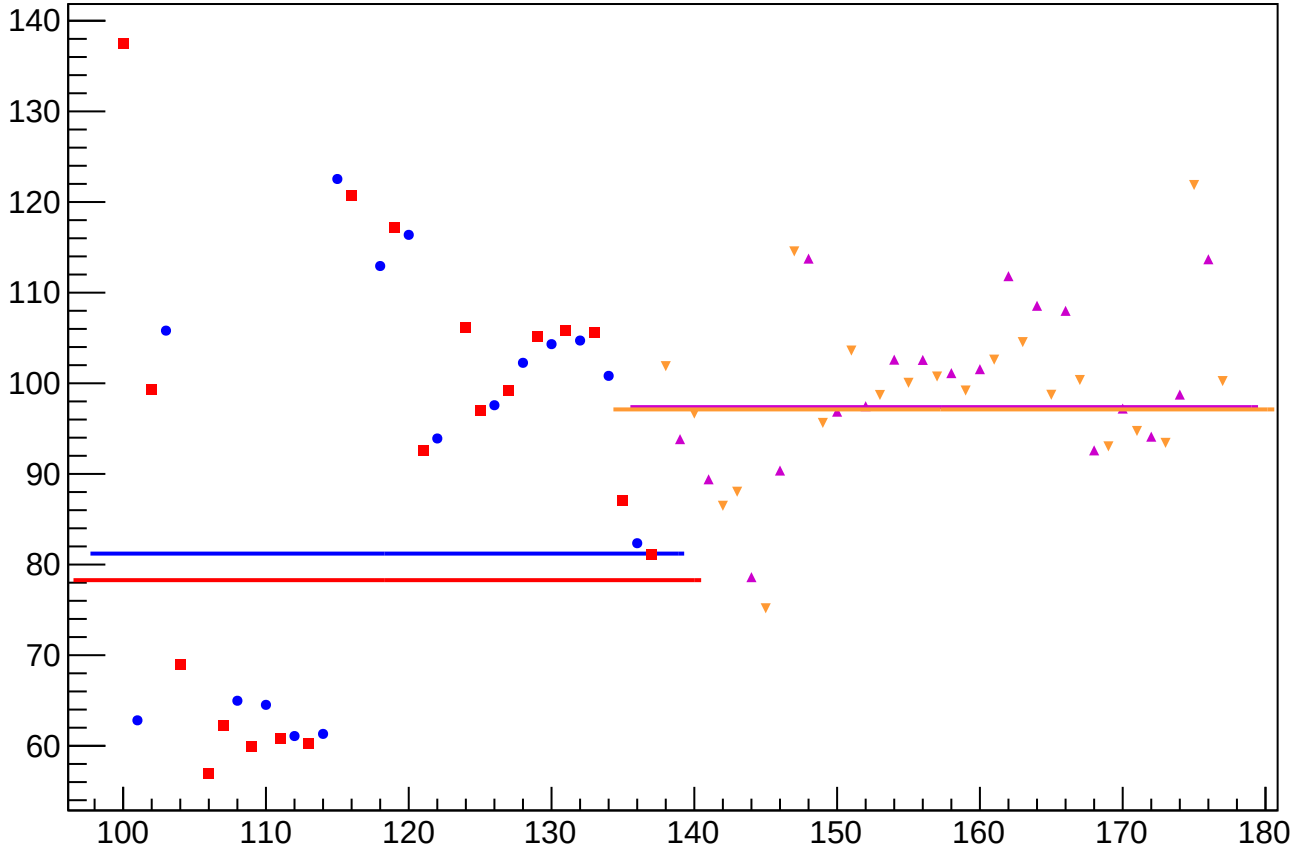
Left In: -45.229+/-24.878 χ^2/NDF:21.4/18

+ sign 22.521+/-19.008 χ^2/NDF: 42.8/36

All: -16.805+/-13.485 χ^2/NDF: 90.0/74

- sign -56.652+/-19.134 χ^2/NDF: 38.6/37

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 97.117+/-0.017 χ^2/NDF:313384.1/20

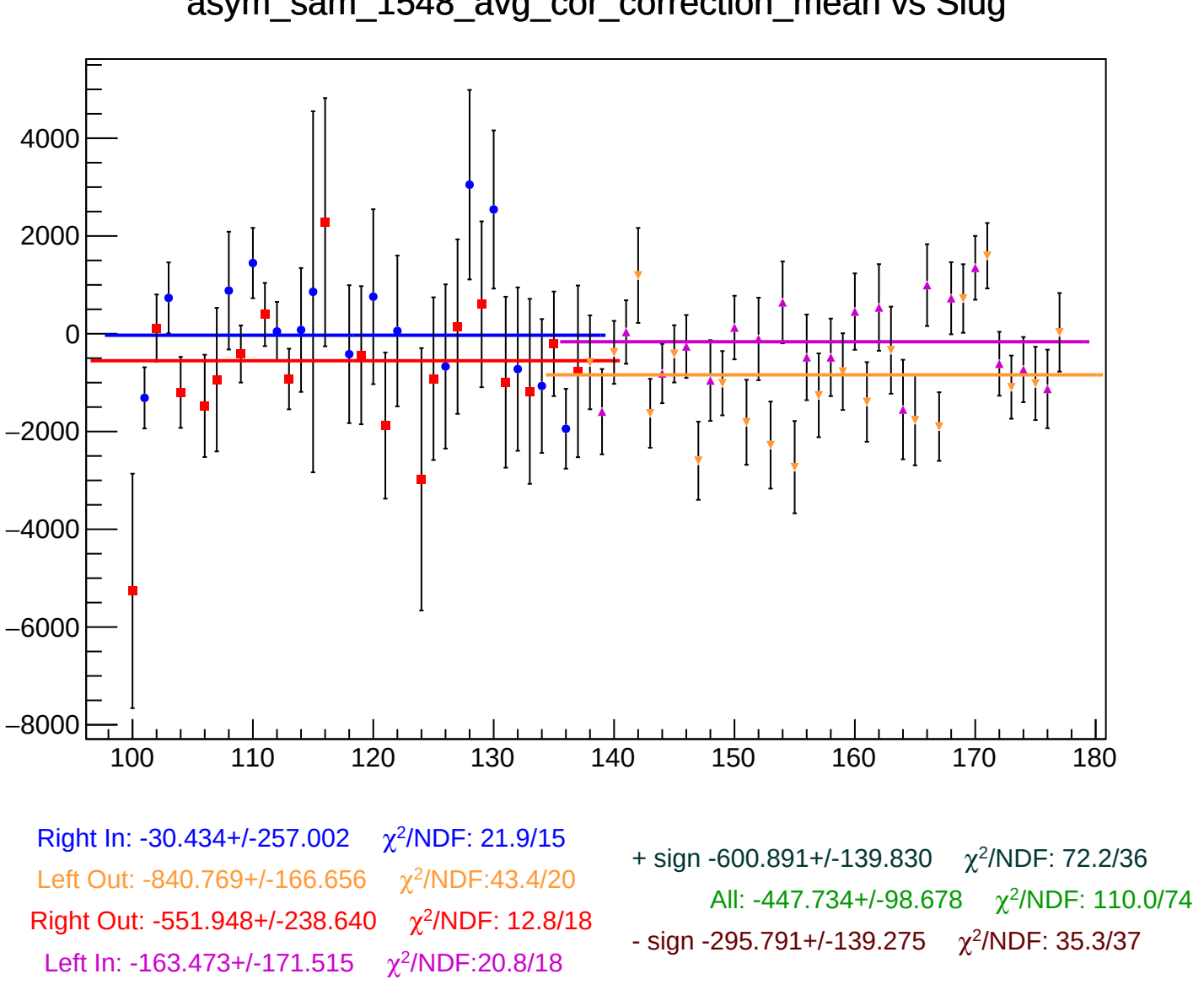
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

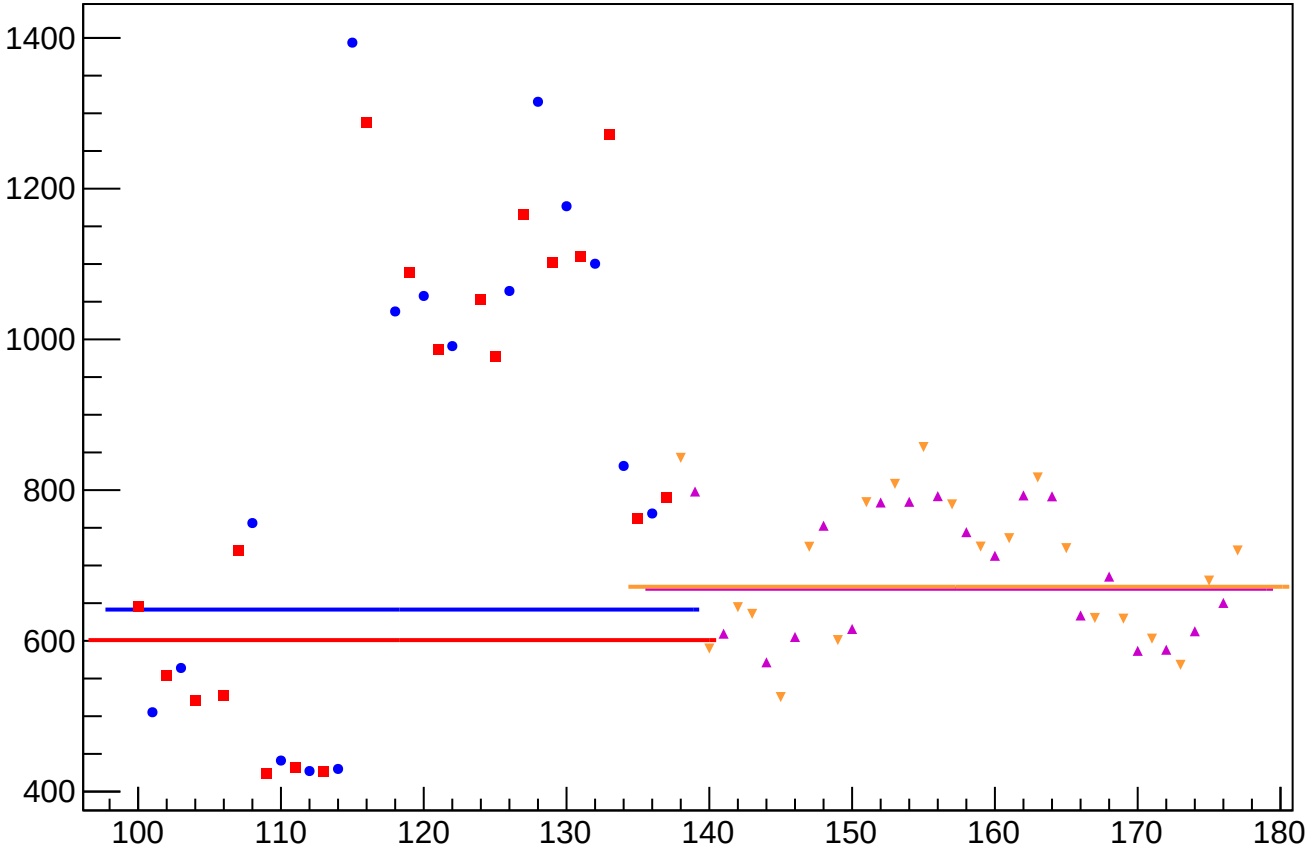
+ sign 91.224+/-0.013 χ^2/NDF: 1427748.8/36

All: 90.404+/-0.010 χ^2/NDF: 3113956.4/74

- sign 89.573+/-0.014 χ^2/NDF: 1678706.3/37


asym_sam_1548_avg_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: -30.434+/-257.002 χ²/NDF: 21.9/15
Left Out: -840.769+/-166.656 χ²/NDF:43.4/20
Right Out: -551.948+/-238.640 χ²/NDF: 12.8/18
Left In: -163.473+/-171.515 χ²/NDF:20.8/18
+ sign -600.891+/-139.830 χ²/NDF: 72.2/36
All: -447.734+/-98.678 χ²/NDF: 110.0/74
- sign -295.791+/-139.275 χ²/NDF: 35.3/37

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.2/20

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

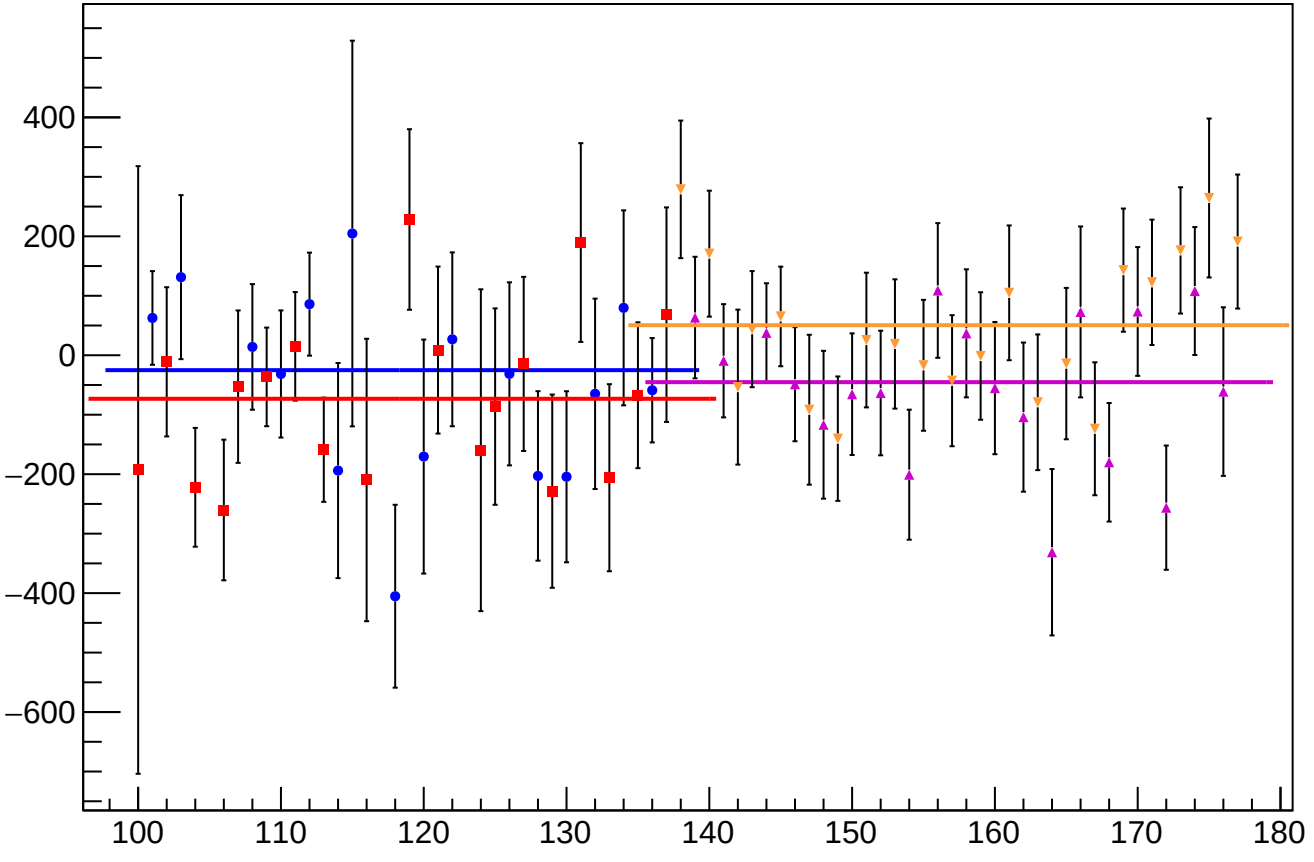
Left In: 669.111+/-0.121 χ^2/NDF:454867.6/18

+ sign 662.818+/-0.099 χ^2/NDF: 2519157.3/36

All: 654.327+/-0.070 χ^2/NDF: 5173454.2/74

- sign 645.903+/-0.098 χ^2/NDF: 2639605.2/37

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.528+/-23.956 χ^2/NDF:22.9/20

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

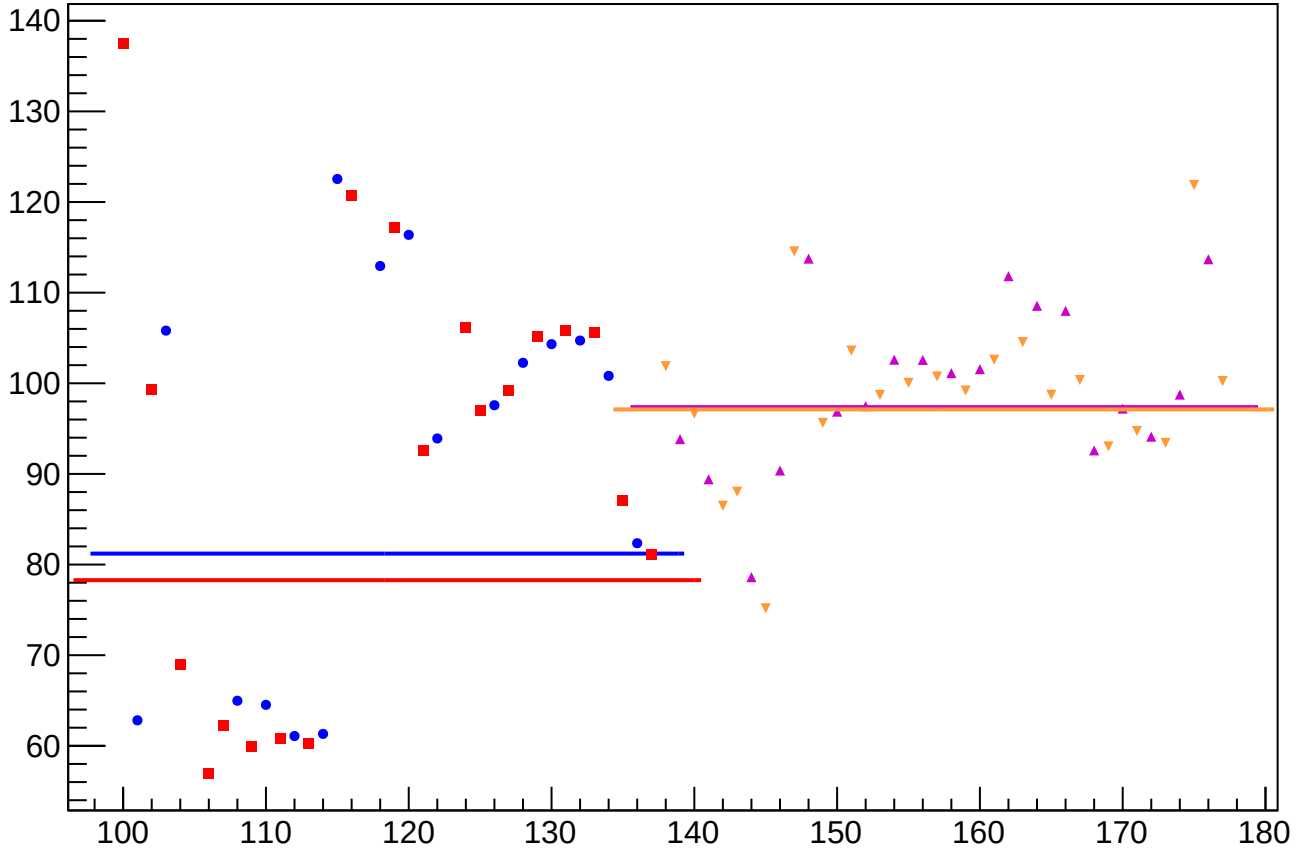
Left In: -45.229+/-24.878 χ^2/NDF:21.4/18

+ sign 22.521+/-19.008 χ^2/NDF: 42.8/36

All: -16.805+/-13.485 χ^2/NDF: 90.0/74

- sign -56.652+/-19.134 χ^2/NDF: 38.6/37

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 97.117+/-0.017 χ^2/NDF:313384.1/20

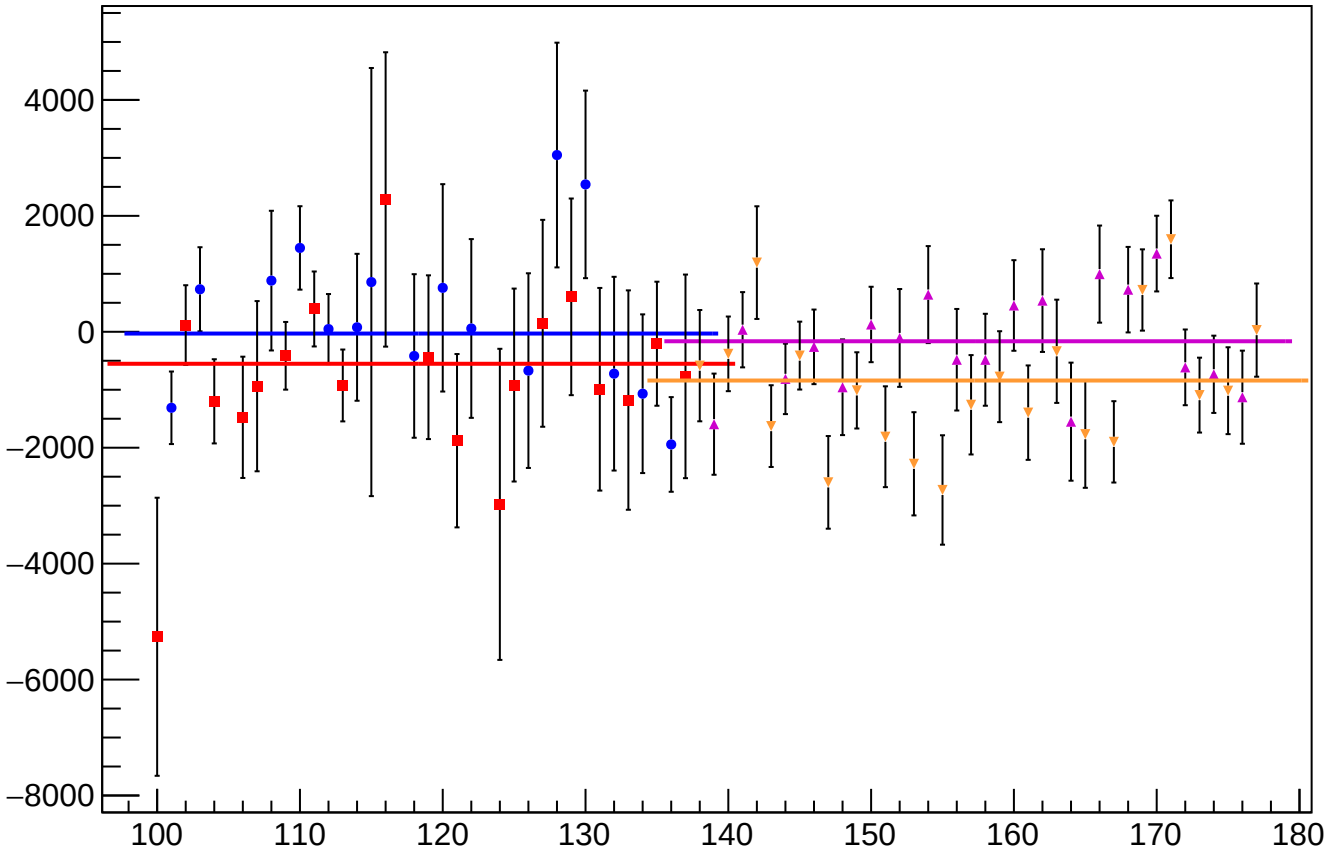
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

+ sign 91.224+/-0.013 χ^2/NDF: 1427748.8/36

All: 90.404+/-0.010 χ^2/NDF: 3113956.4/74

- sign 89.573+/-0.014 χ^2/NDF: 1678706.3/37



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -840.769+/-166.656 χ^2/NDF:43.4/20

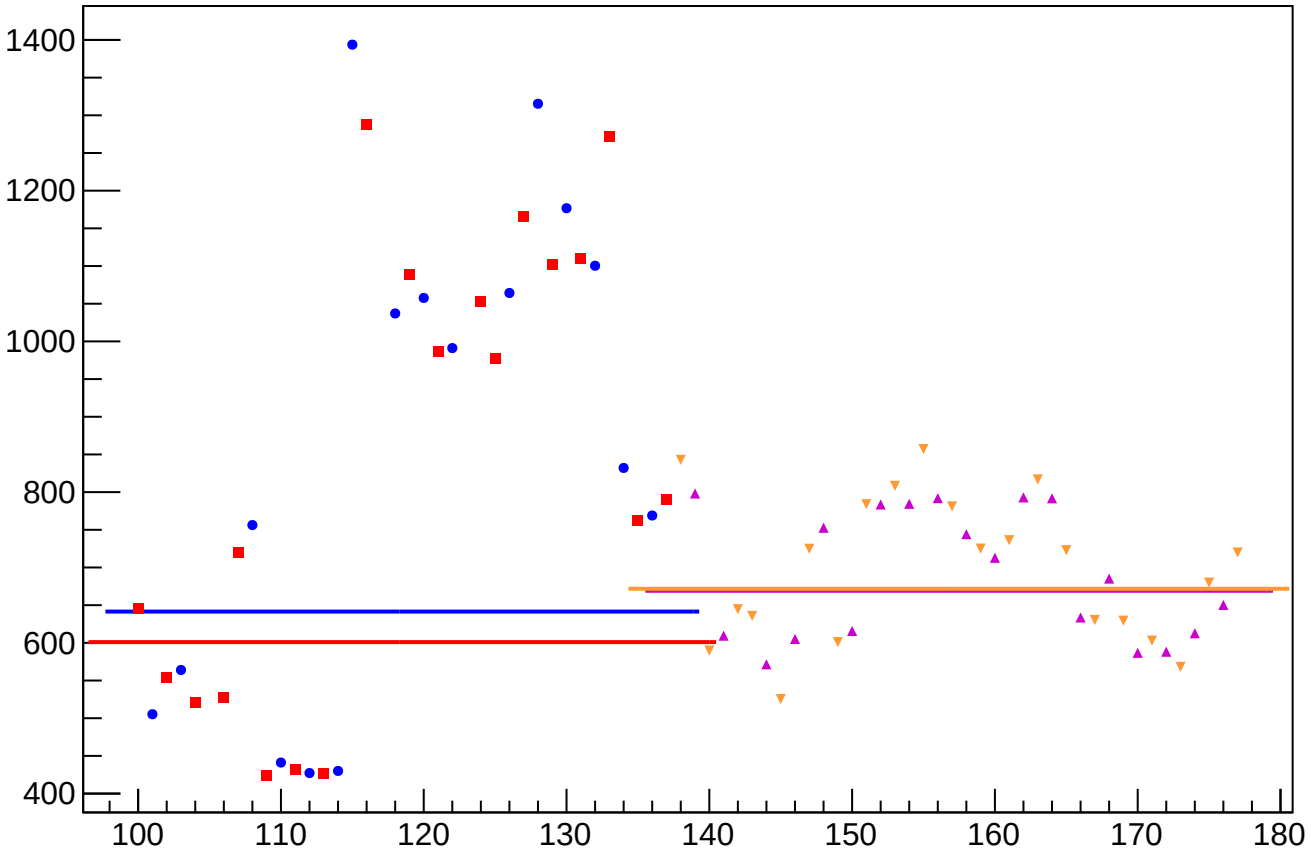
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -163.473+/-171.515 χ^2/NDF:20.8/18

+ sign -600.891+/-139.830 χ^2/NDF: 72.2/36

All: -447.734+/-98.678 χ^2/NDF: 110.0/74

- sign -295.791+/-139.275 χ^2/NDF: 35.3/37



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.2/20

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

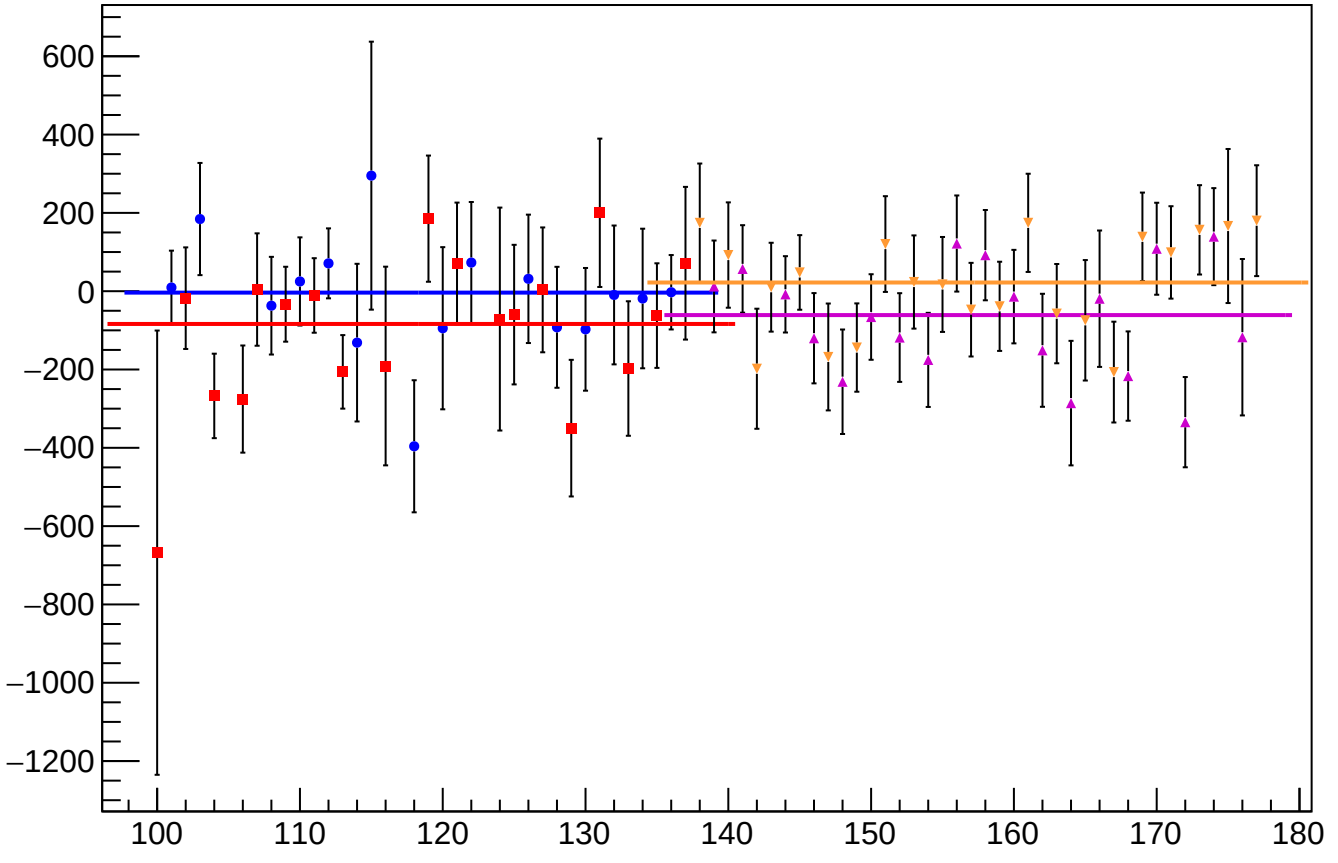
Left In: 669.111+/-0.121 χ^2/NDF:454867.6/18

+ sign 662.818+/-0.099 χ^2/NDF: 2519157.3/36

All: 654.327+/-0.070 χ^2/NDF: 5173454.2/74

- sign 645.903+/-0.098 χ^2/NDF: 2639605.2/37

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 22.187+/-27.266 χ^2/NDF:18.9/20

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

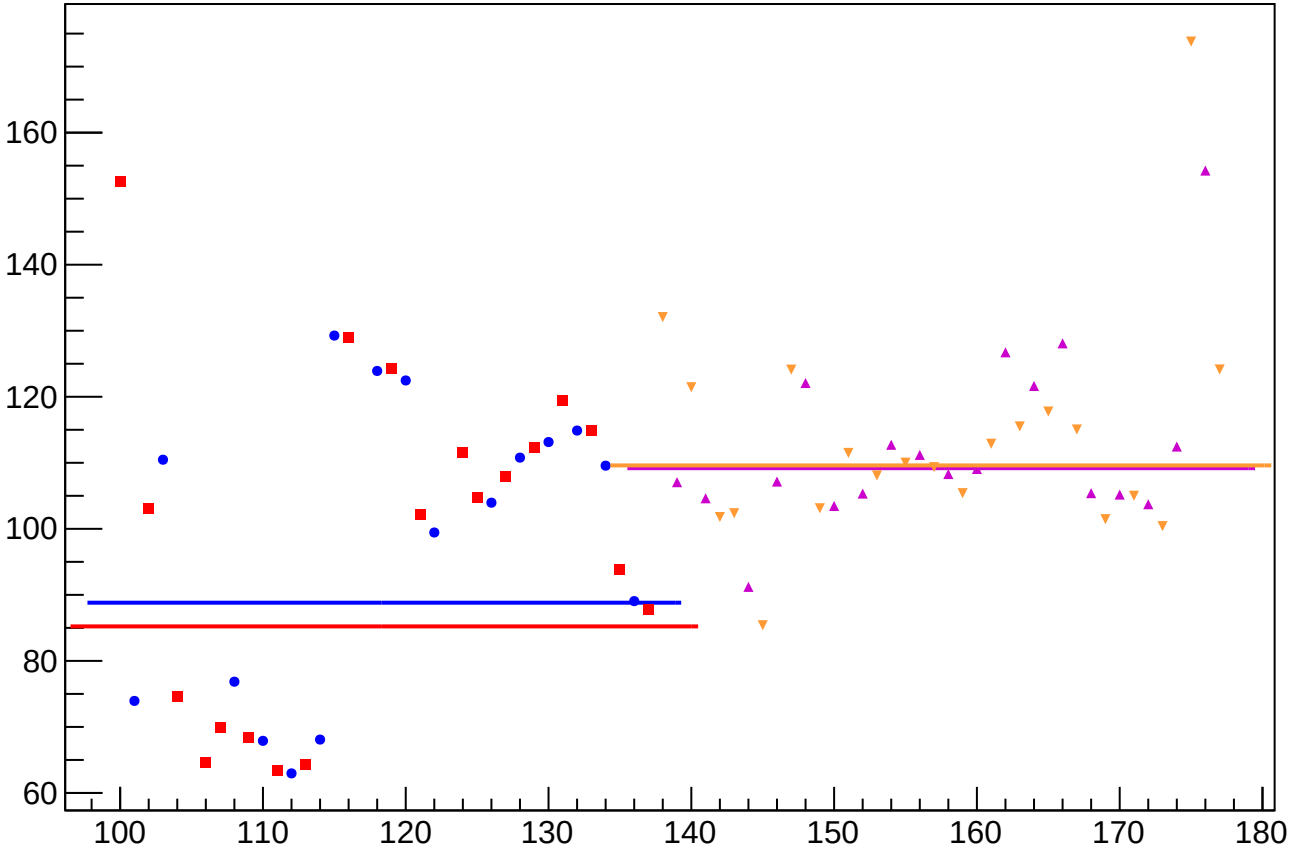
Left In: -61.018+/-28.087 χ^2/NDF:23.7/18

+ sign 12.135+/-21.308 χ^2/NDF: 29.6/36

All: -29.303+/-15.060 χ^2/NDF: 80.2/74

- sign -70.660+/-21.288 χ^2/NDF: 43.0/37

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 109.605+/-0.019 χ^2/NDF:509898.3/20

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

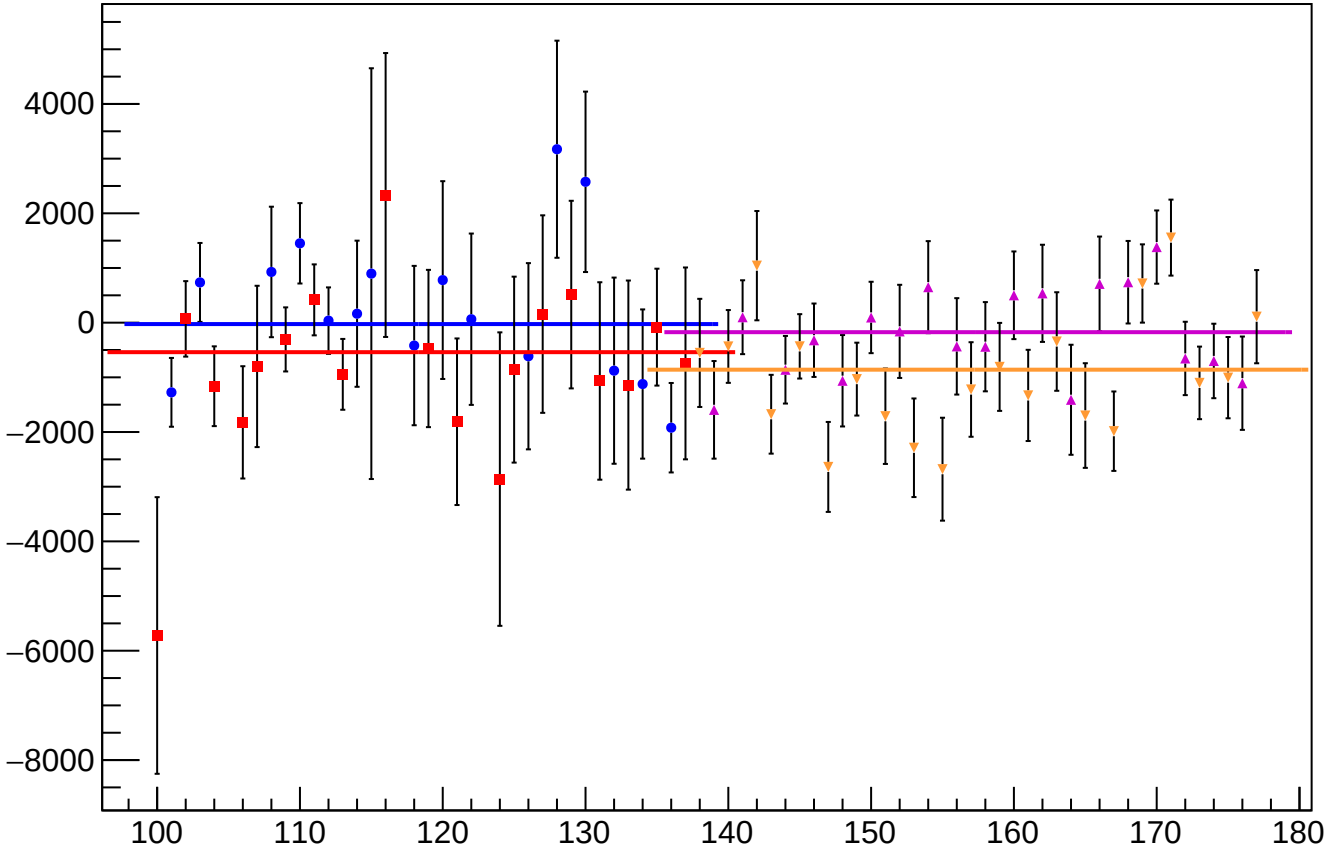
Left In: 109.185+/-0.020 χ^2/NDF:279137.3/18

+ sign 101.511+/-0.015 χ^2/NDF: 1687203.7/36

All: 100.249+/-0.011 χ^2/NDF: 3483816.9/74

- sign 98.988+/-0.015 χ^2/NDF: 1782582.5/37

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -859.953+/-170.235 χ^2/NDF:40.3/20

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

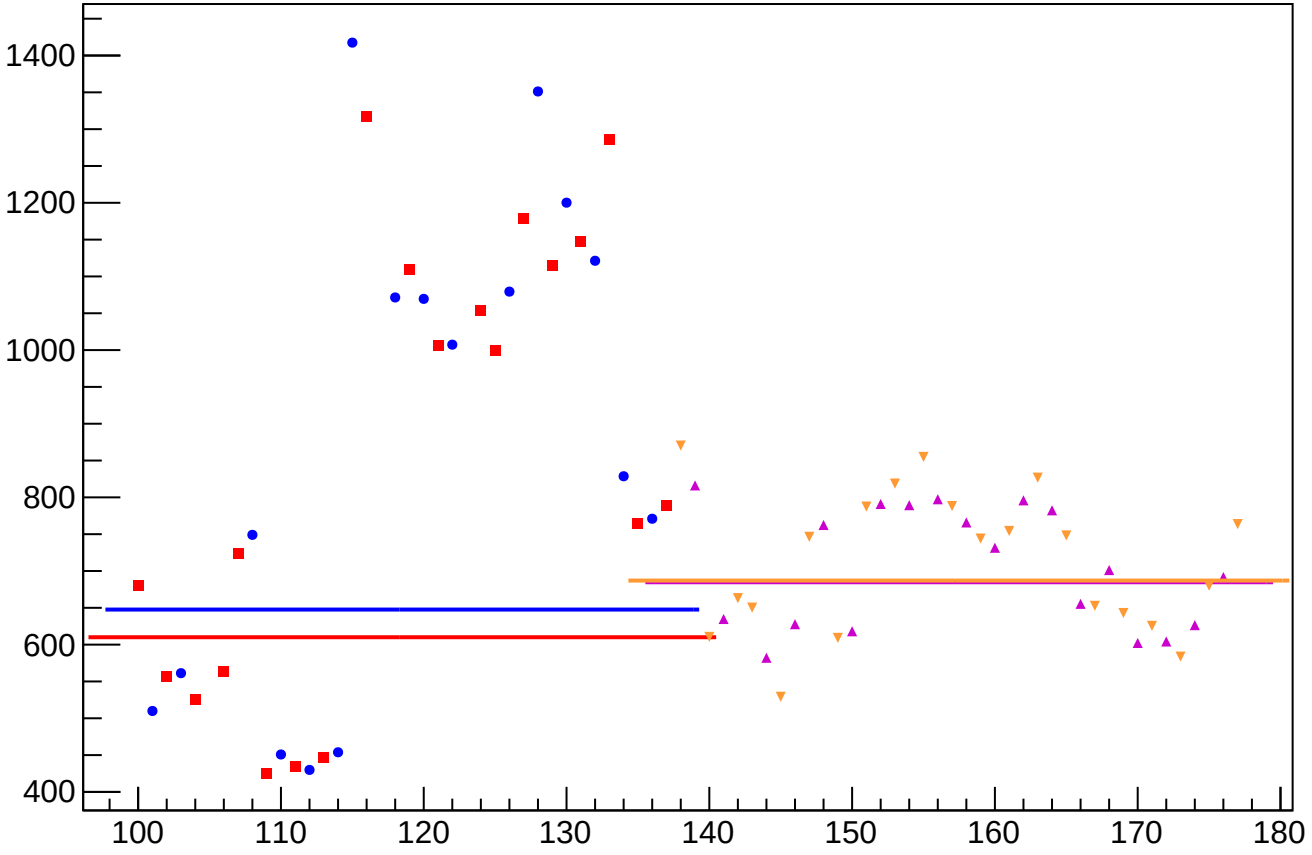
Left In: -173.982+/-175.376 χ^2/NDF:19.5/18

+ sign -608.839+/-142.324 χ^2/NDF: 69.0/36

All: -454.114+/-100.471 χ^2/NDF: 106.0/74

- sign -300.412+/-141.852 χ^2/NDF: 34.6/37

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 687.020+/-0.120 χ^2/NDF:614907.9/20

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

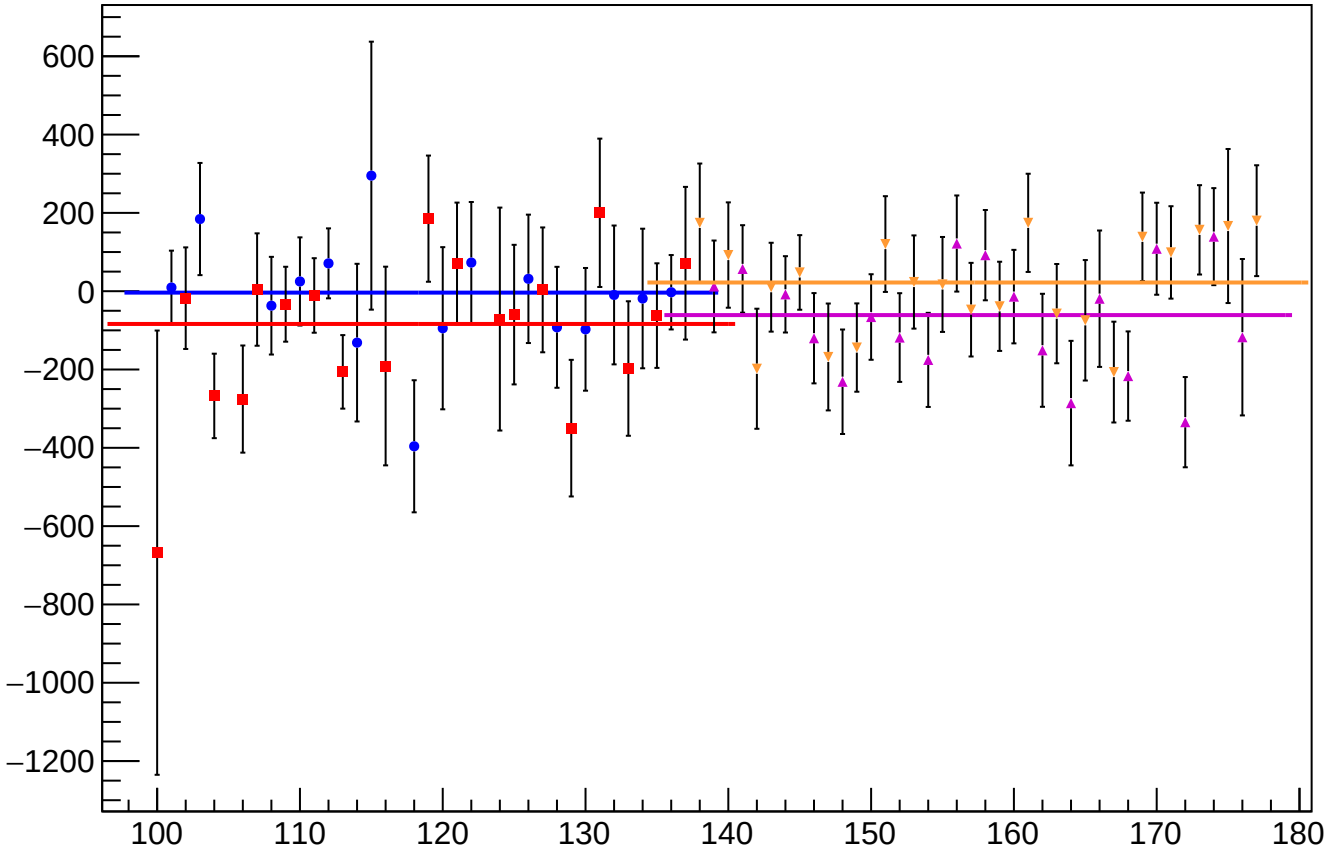
Left In: 684.712+/-0.124 χ^2/NDF:410413.6/18

+ sign 675.166+/-0.101 χ^2/NDF: 2534940.8/36

All: 667.006+/-0.071 χ^2/NDF: 5158006.4/74

- sign 658.900+/-0.100 χ^2/NDF: 2609961.3/37

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 22.188+/-27.267 χ^2/NDF:18.9/20

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

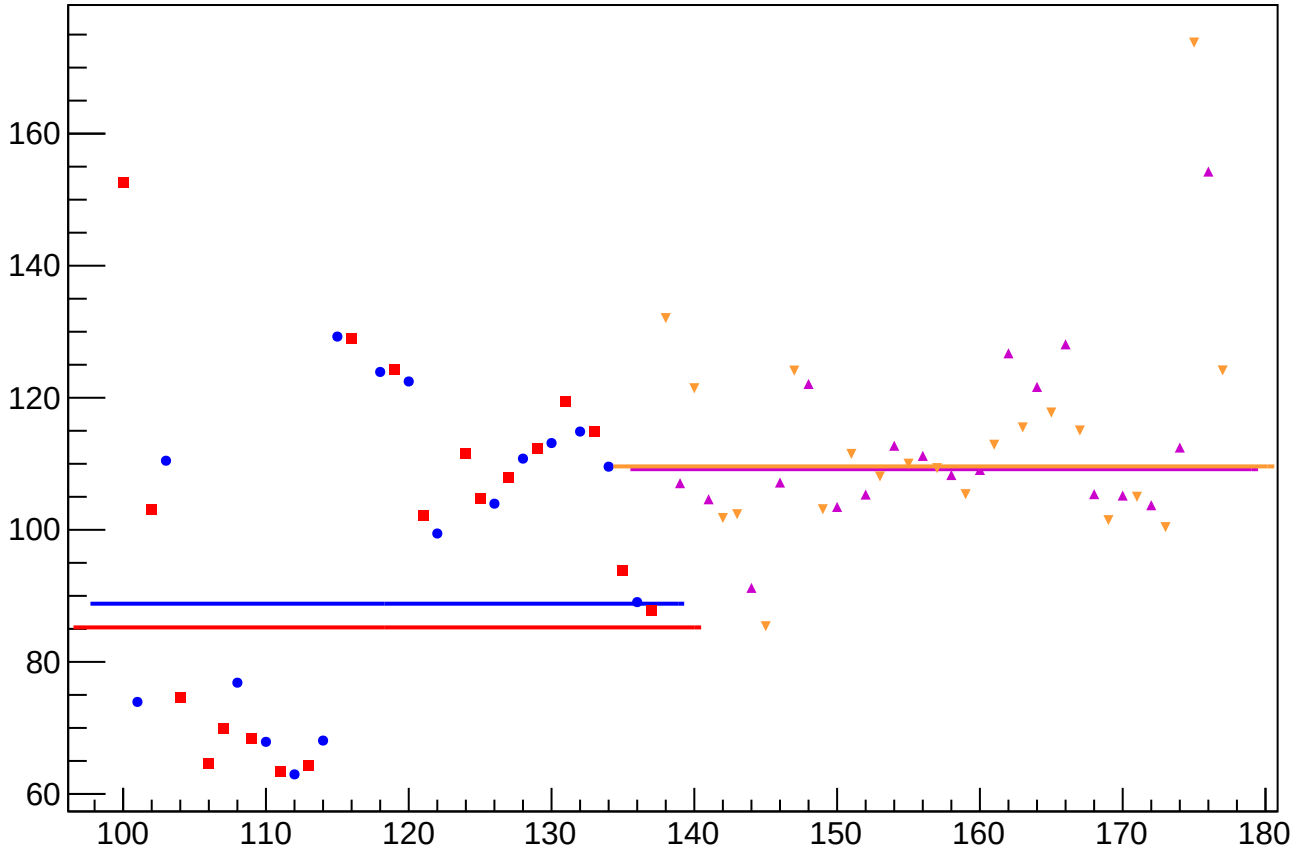
Left In: -61.017+/-28.087 χ^2/NDF:23.7/18

+ sign 12.136+/-21.308 χ^2/NDF: 29.6/36

All: -29.302+/-15.060 χ^2/NDF: 80.2/74

- sign -70.660+/-21.288 χ^2/NDF: 43.0/37

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 109.605+/-0.019 χ^2/NDF:509891.2/20

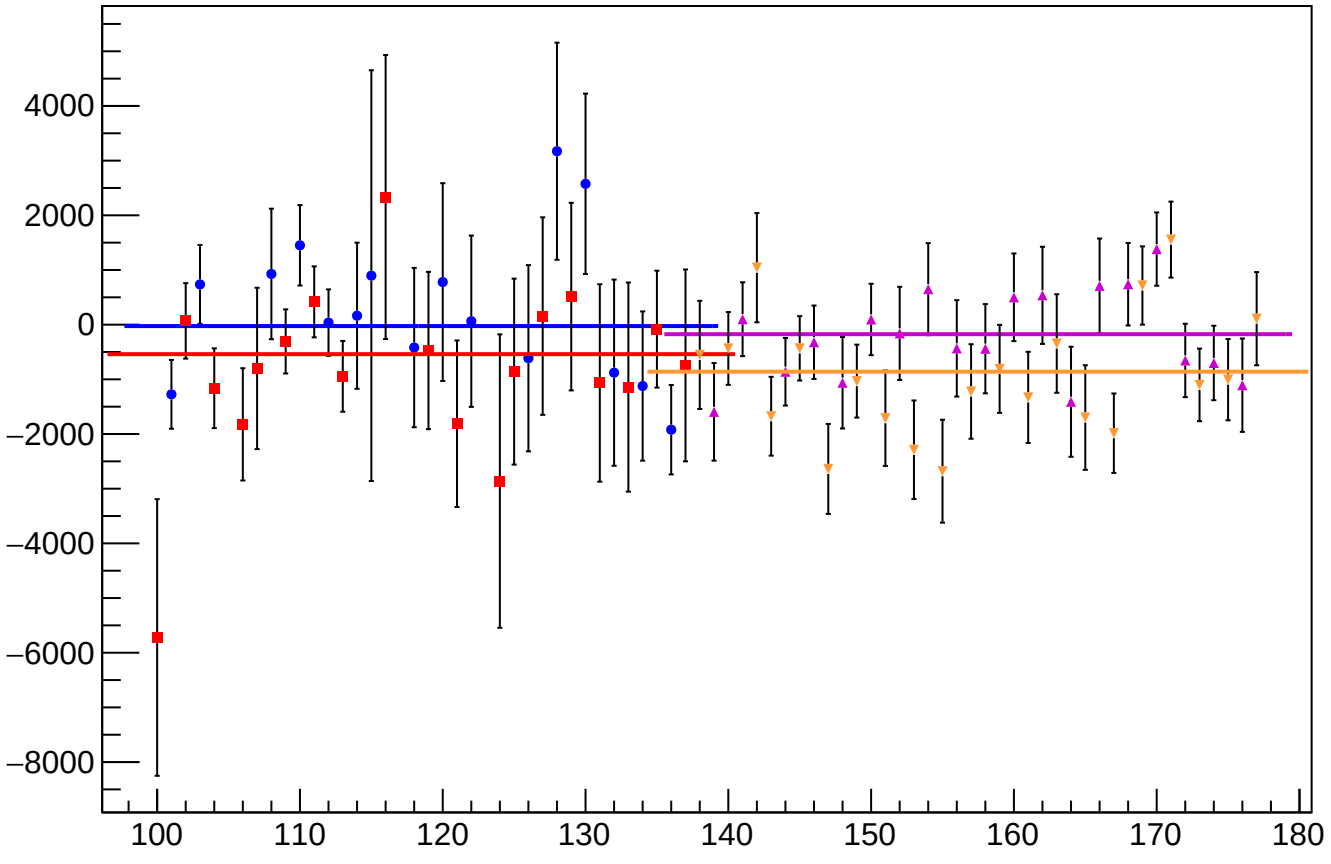
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 109.185+/-0.020 χ^2/NDF:279129.5/18

\+ sign 101.511+/-0.015 χ^2/NDF: 1687202.2/36

All: 100.249+/-0.011 χ^2/NDF: 3483819.4/74

\- sign 98.989+/-0.015 χ^2/NDF: 1782586.6/37



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -859.952+/-170.235 χ^2/NDF:40.3/20

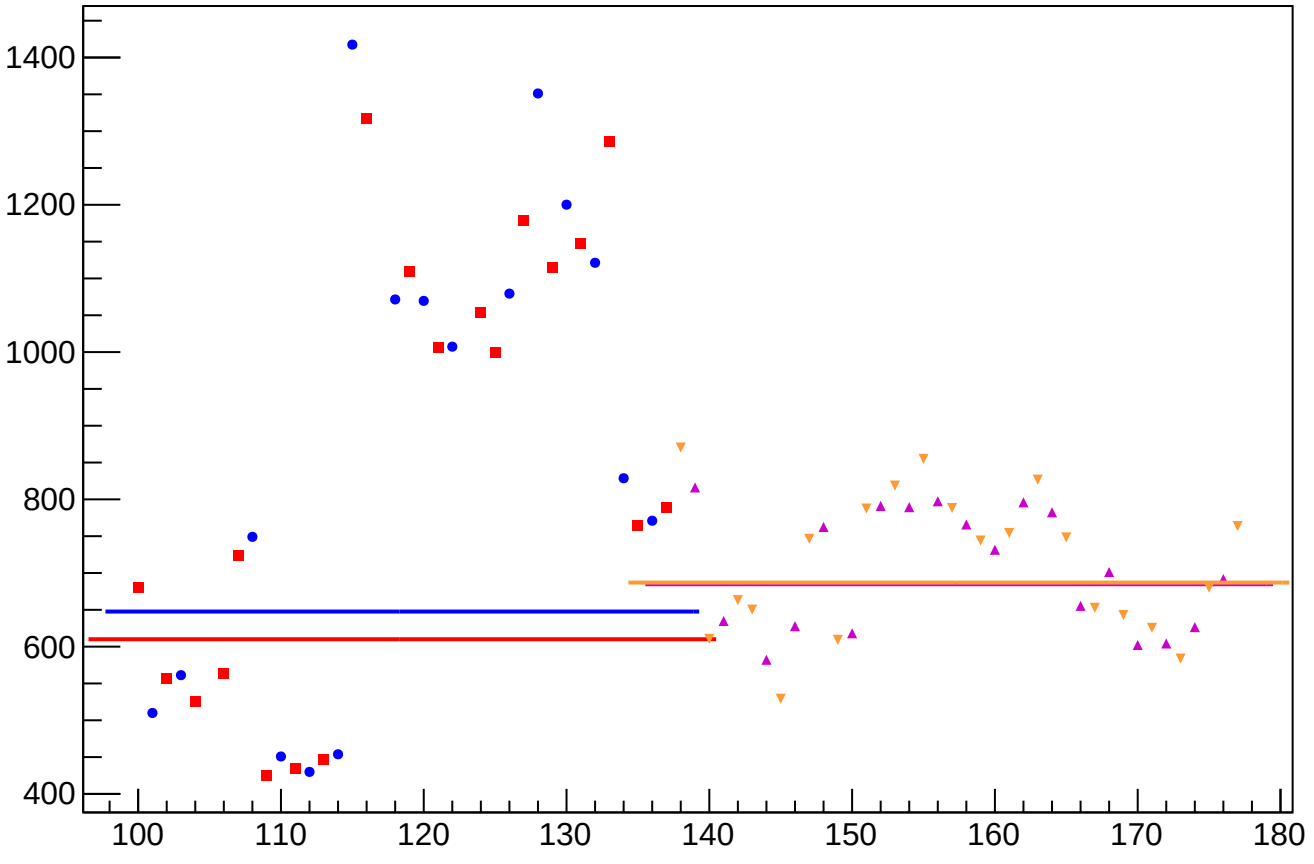
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -173.981+/-175.376 χ^2/NDF:19.5/18

+ sign -608.837+/-142.324 χ^2/NDF: 69.0/36

All: -454.113+/-100.471 χ^2/NDF: 106.0/74

- sign -300.411+/-141.852 χ^2/NDF: 34.6/37



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 687.019+/-0.120 χ^2/NDF:614907.7/20

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

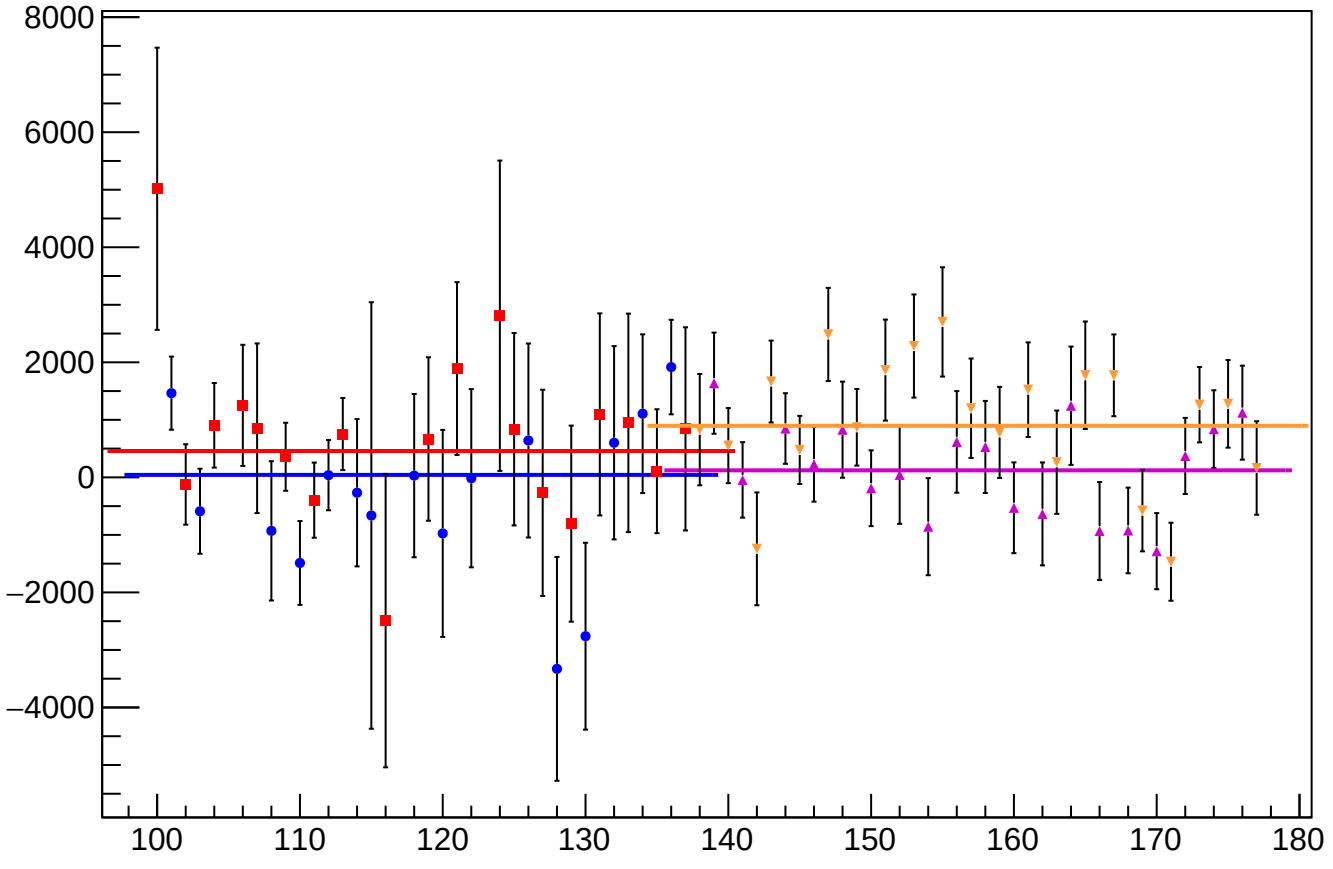
Left In: 684.712+/-0.124 χ^2/NDF:410411.1/18

+ sign 675.165+/-0.101 χ^2/NDF: 2534945.5/36

All: 667.005+/-0.071 χ^2/NDF: 5158012.0/74

- sign 658.900+/-0.100 χ^2/NDF: 2609962.3/37

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 896.366+/-168.497 χ^2/NDF:39.2/20

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

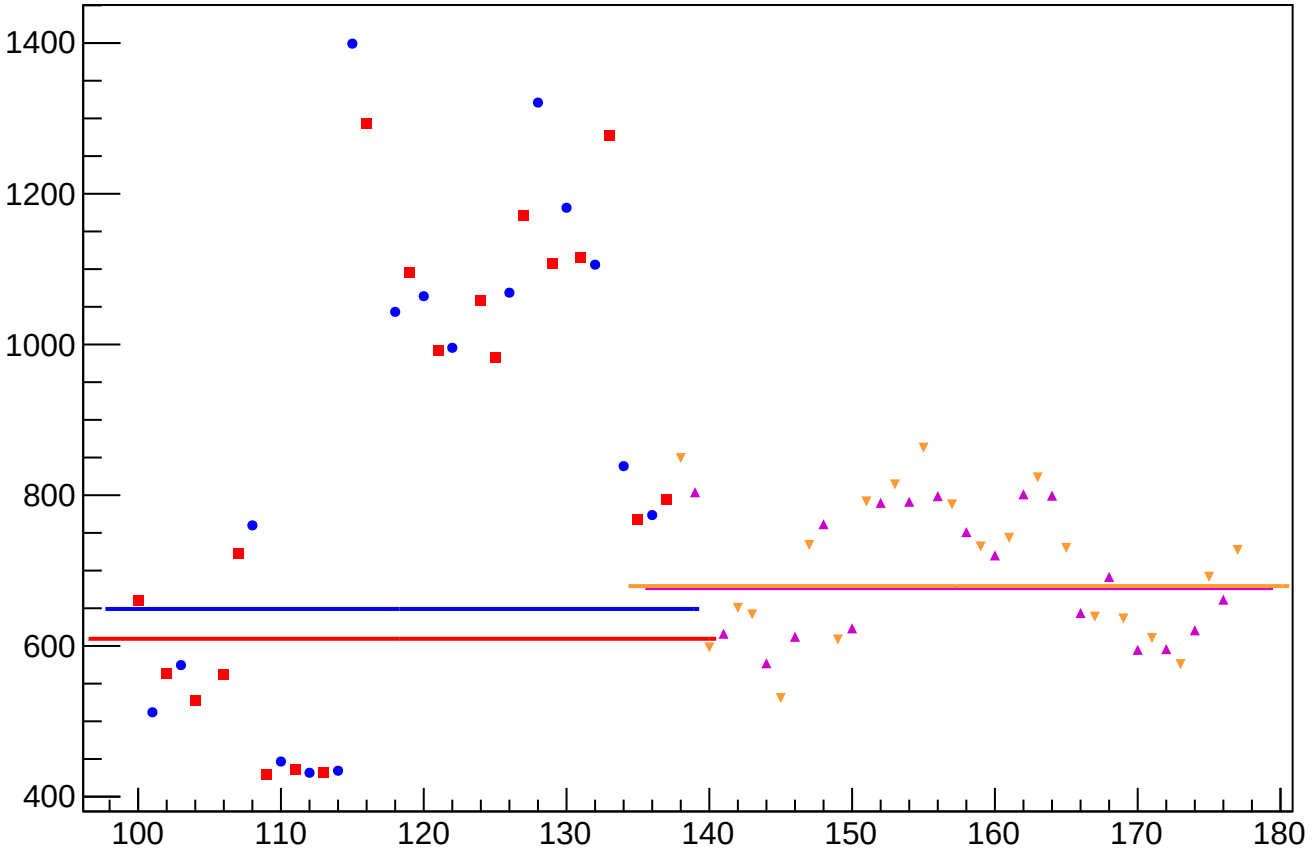
Left In: 122.194+/-173.432 χ^2/NDF:20.7/18

+ sign 643.733+/-141.367 χ^2/NDF: 70.1/36

All: 439.404+/-99.758 χ^2/NDF: 107.5/74

- sign 236.729+/-140.794 χ^2/NDF: 33.2/37

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 679.389+/-0.119 χ^2/NDF:612536.6/20

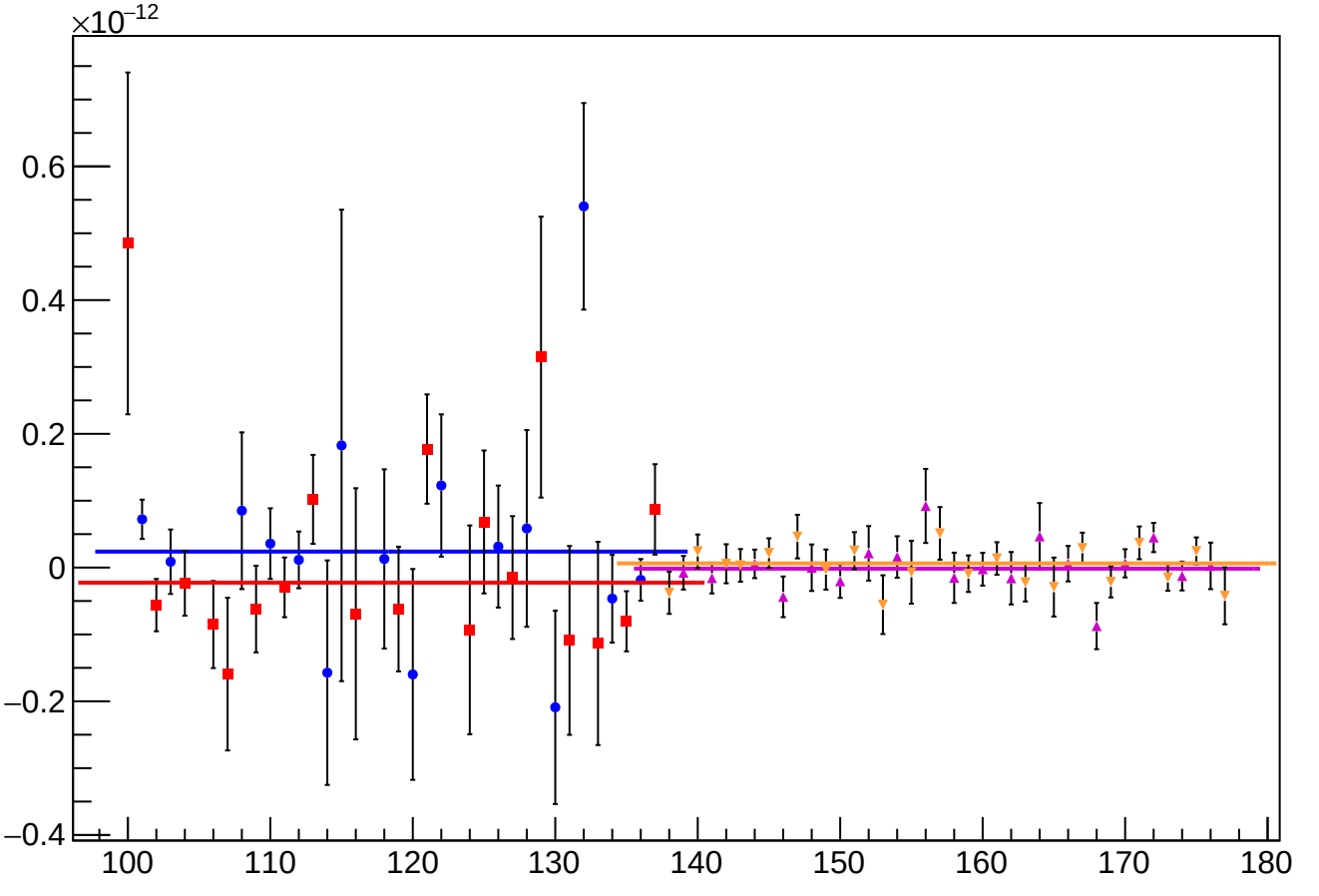
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 676.738+/-0.123 χ^2/NDF:444943.1/18

+ sign 670.418+/-0.100 χ^2/NDF: 2477499.7/36

All: 662.084+/-0.071 χ^2/NDF: 5082325.1/74

- sign 653.818+/-0.100 χ^2/NDF: 2590980.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/20

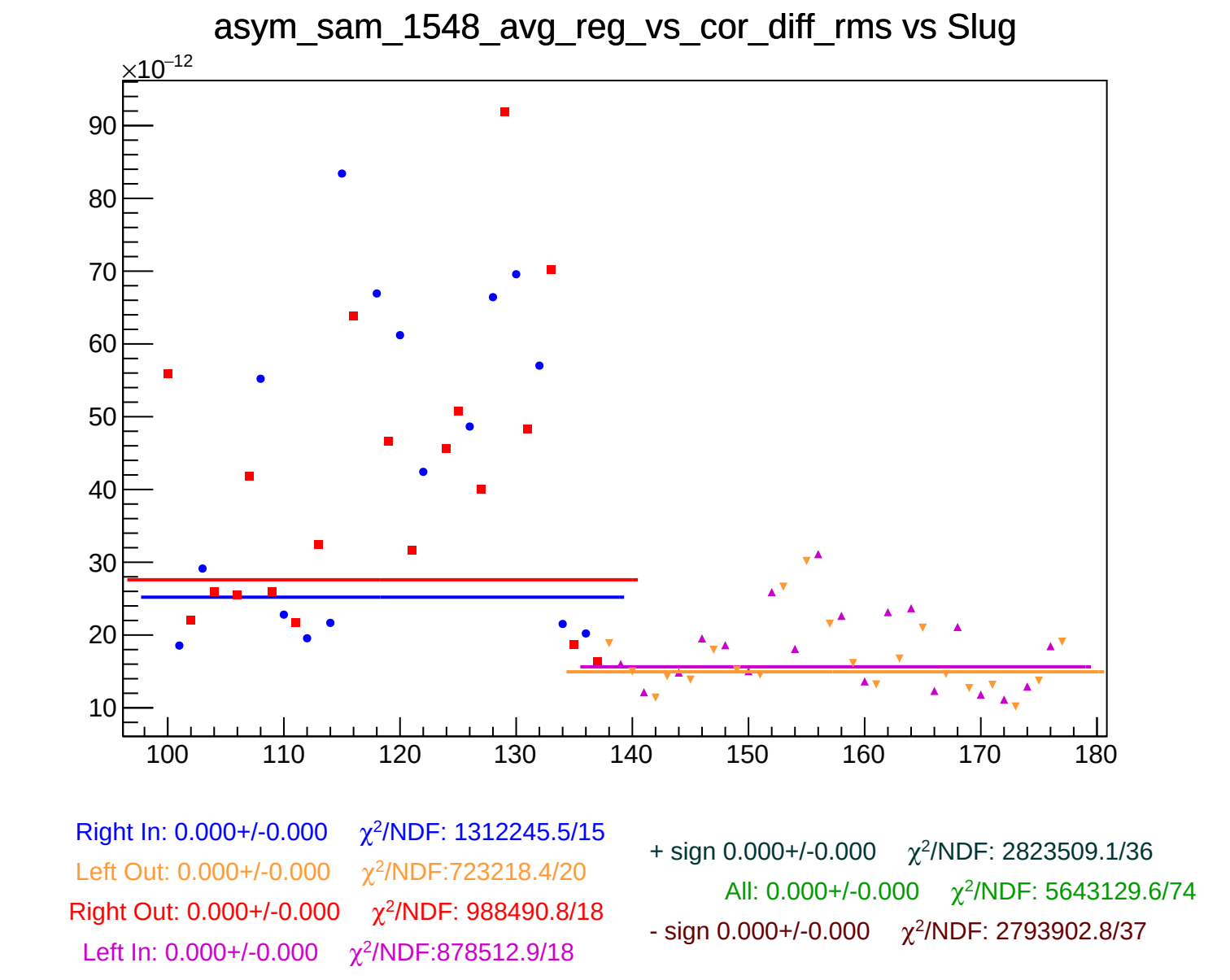
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

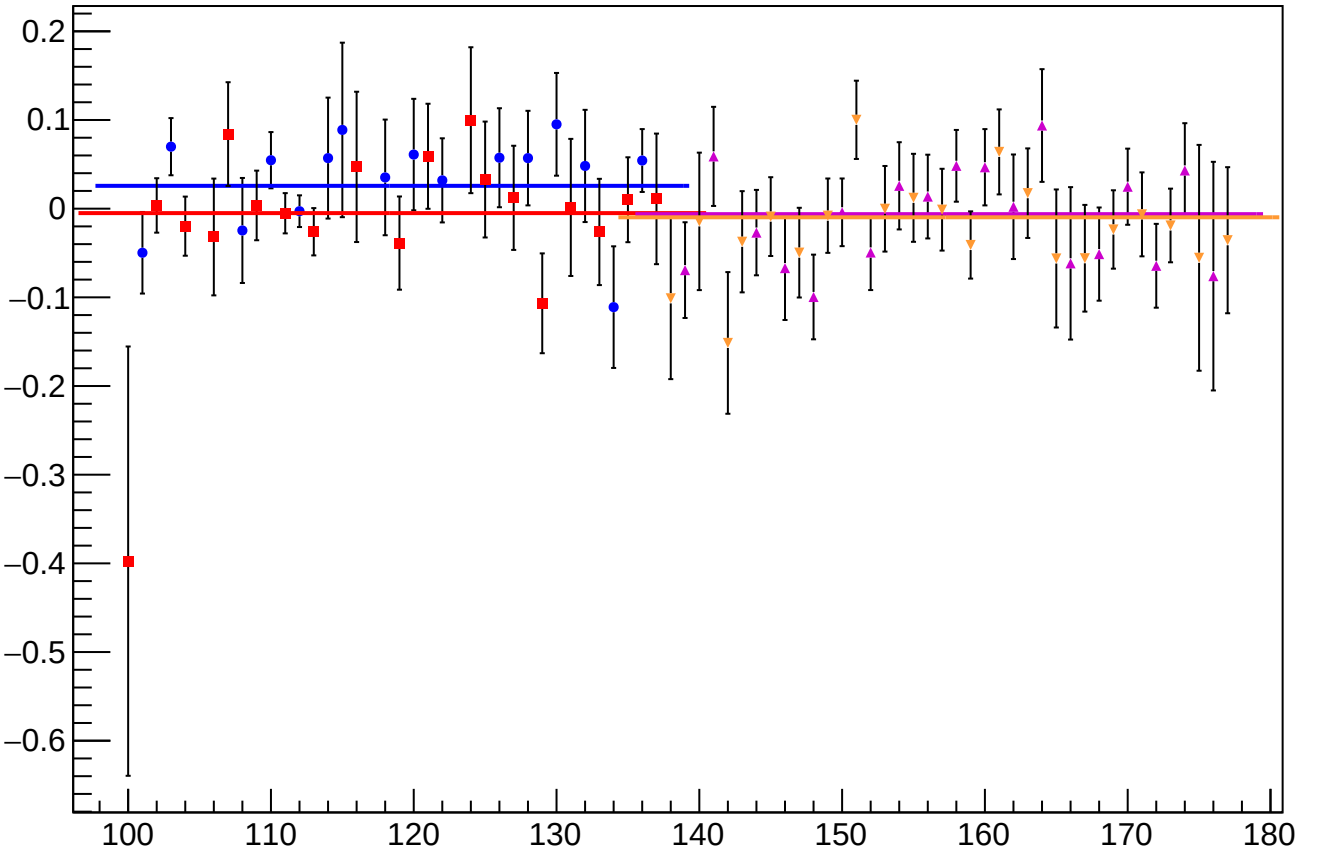
Left In: -0.000+/-0.000 χ^2/NDF:19.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 42.5/36

All: 0.000+/-0.000 χ^2/NDF: 91.1/74

- sign -0.000+/-0.000 χ^2/NDF: 46.1/37


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:723218.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:878512.9/18
+ sign 0.000+/-0.000 χ²/NDF: 2823509.1/36
All: 0.000+/-0.000 χ²/NDF: 5643129.6/74
- sign 0.000+/-0.000 χ²/NDF: 2793902.8/37



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

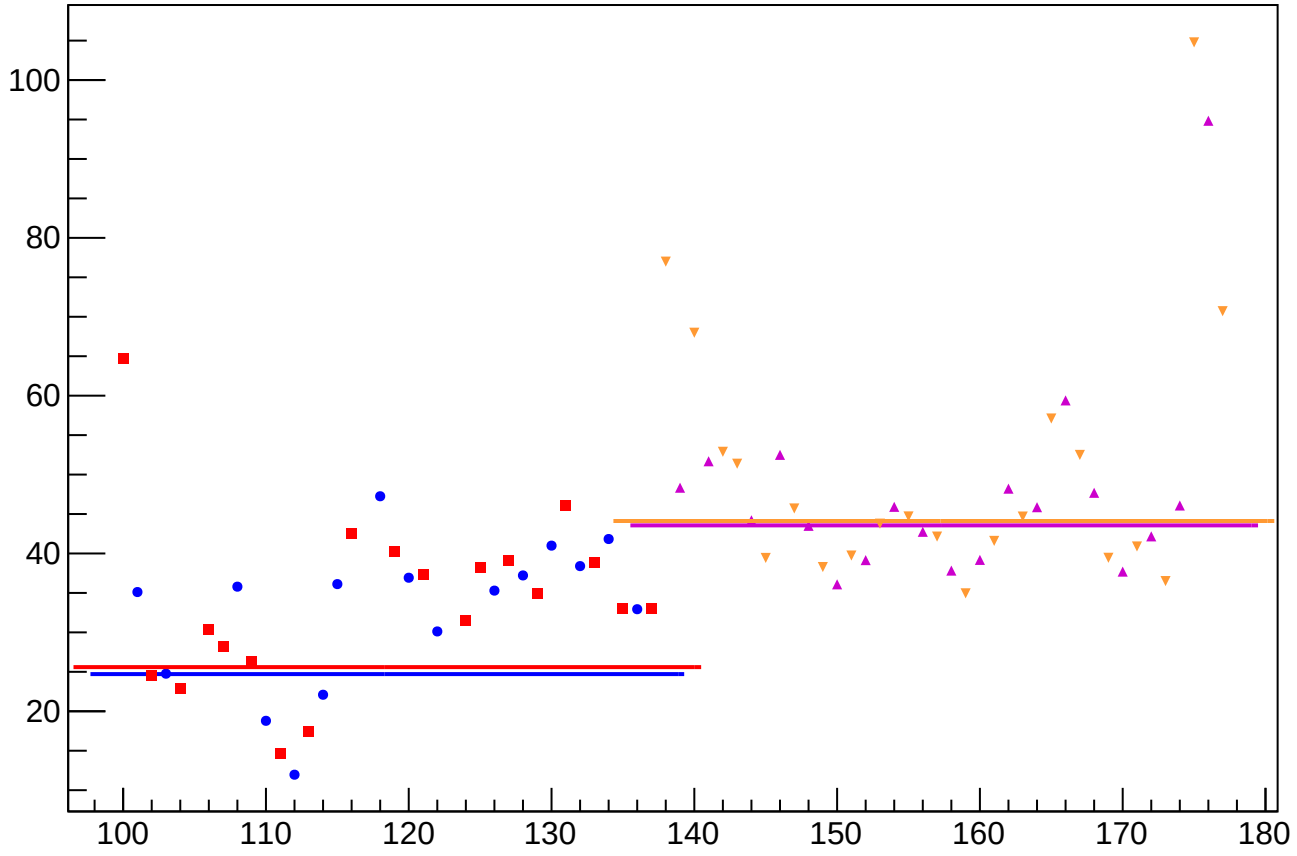
Left In: -0.006+/-0.012 χ^2/NDF:19.6/18

+ sign 0.010+/-0.008 χ^2/NDF: 38.0/36

All: 0.002+/-0.005 χ^2/NDF: 73.2/74

- sign -0.006+/-0.008 χ^2/NDF: 33.2/37

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: 44.116+/-0.008 χ^2/NDF:1571179.8/20

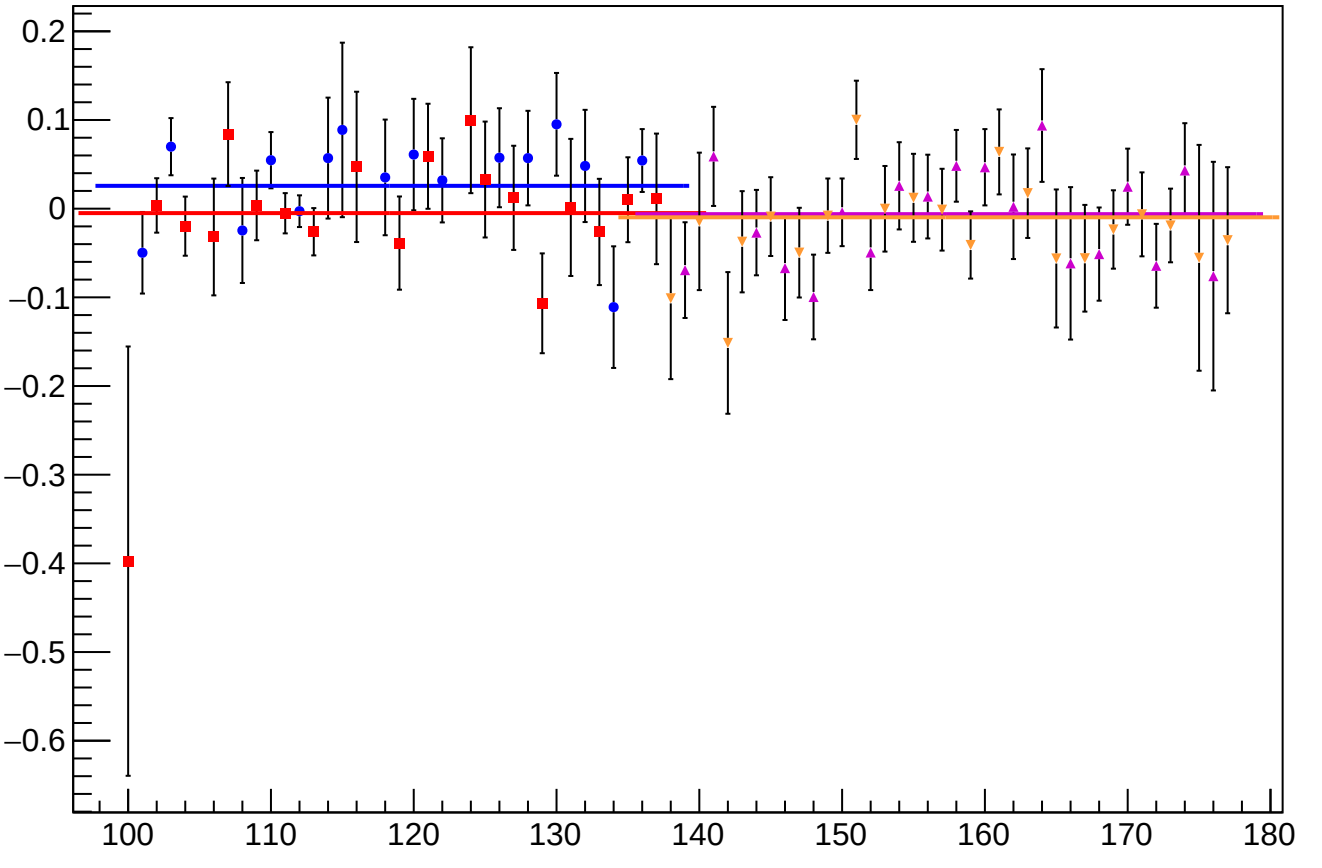
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.560+/-0.008 χ^2/NDF:724474.0/18

+ sign 33.518+/-0.005 χ^2/NDF: 7052300.0/36

All: 33.563+/-0.004 χ^2/NDF: 12069804.2/74

- sign 33.608+/-0.005 χ^2/NDF: 5017367.2/37



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

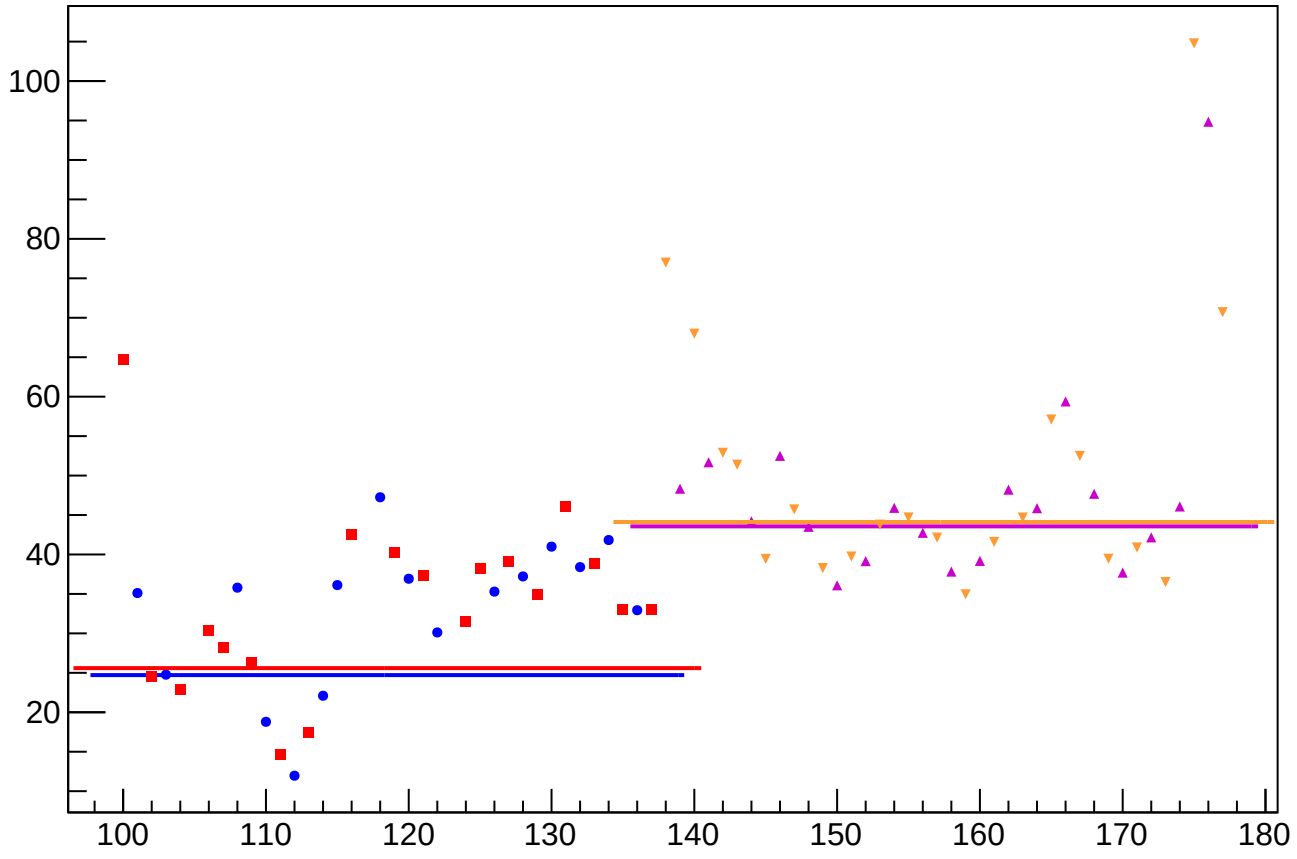
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.6/18

+ sign 0.010+/-0.008 χ^2/NDF: 38.0/36

All: 0.002+/-0.005 χ^2/NDF: 73.2/74

- sign -0.006+/-0.008 χ^2/NDF: 33.2/37



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.116+/-0.008 χ^2/NDF:1571179.8/20

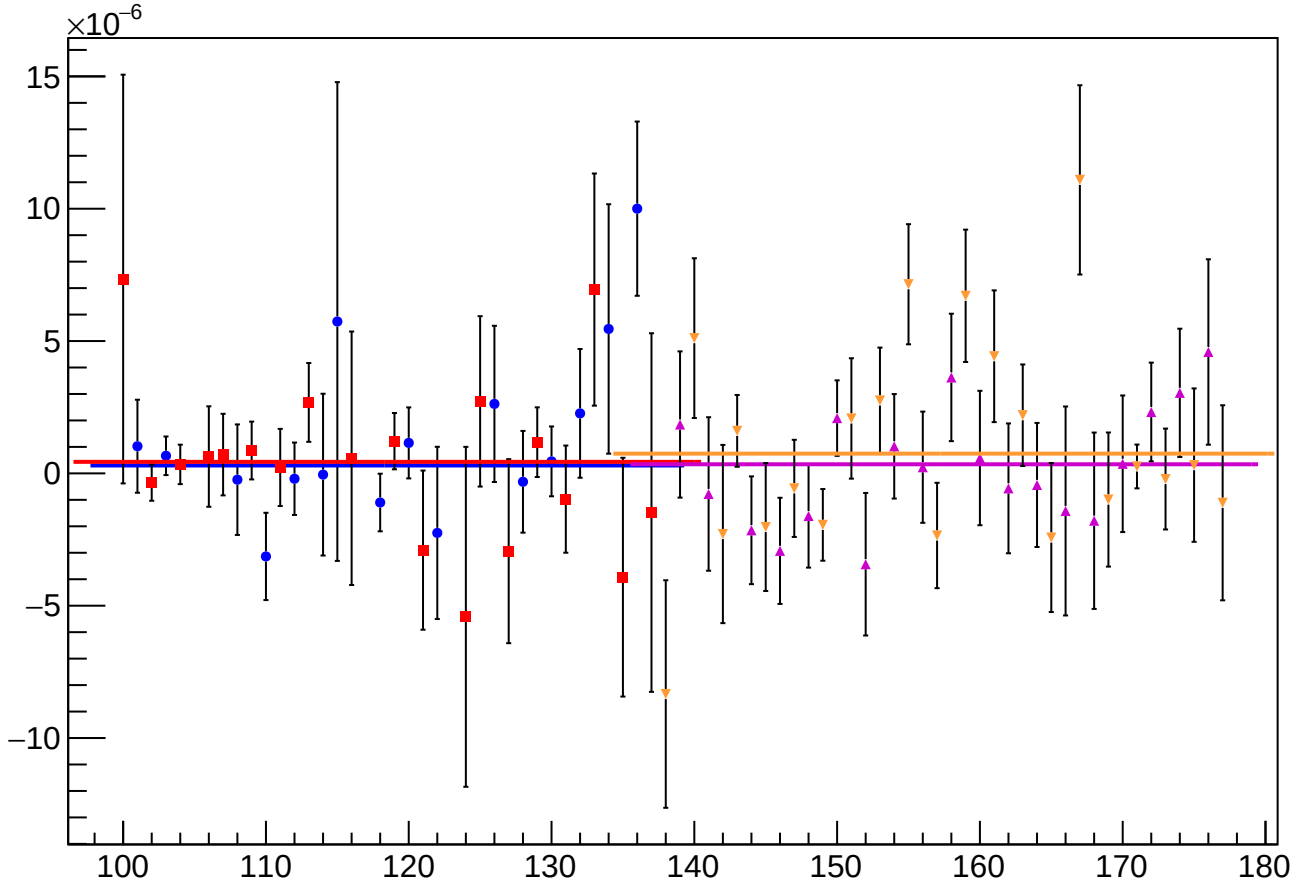
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.560+/-0.008 χ^2/NDF:724474.0/18

+ sign 33.518+/-0.005 χ^2/NDF: 7052300.0/36

All: 33.563+/-0.004 χ^2/NDF: 12069804.2/74

- sign 33.608+/-0.005 χ^2/NDF: 5017367.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/20

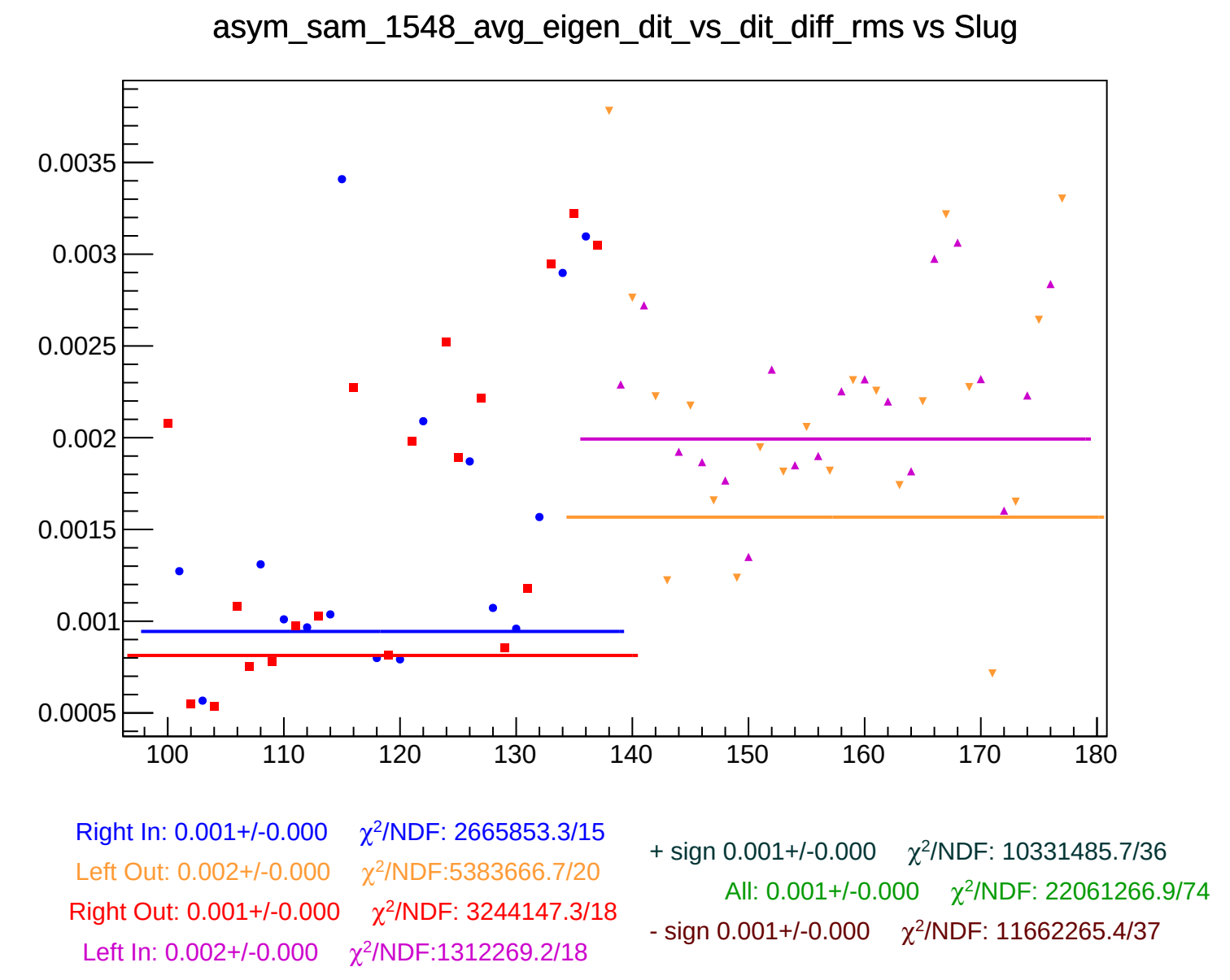
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

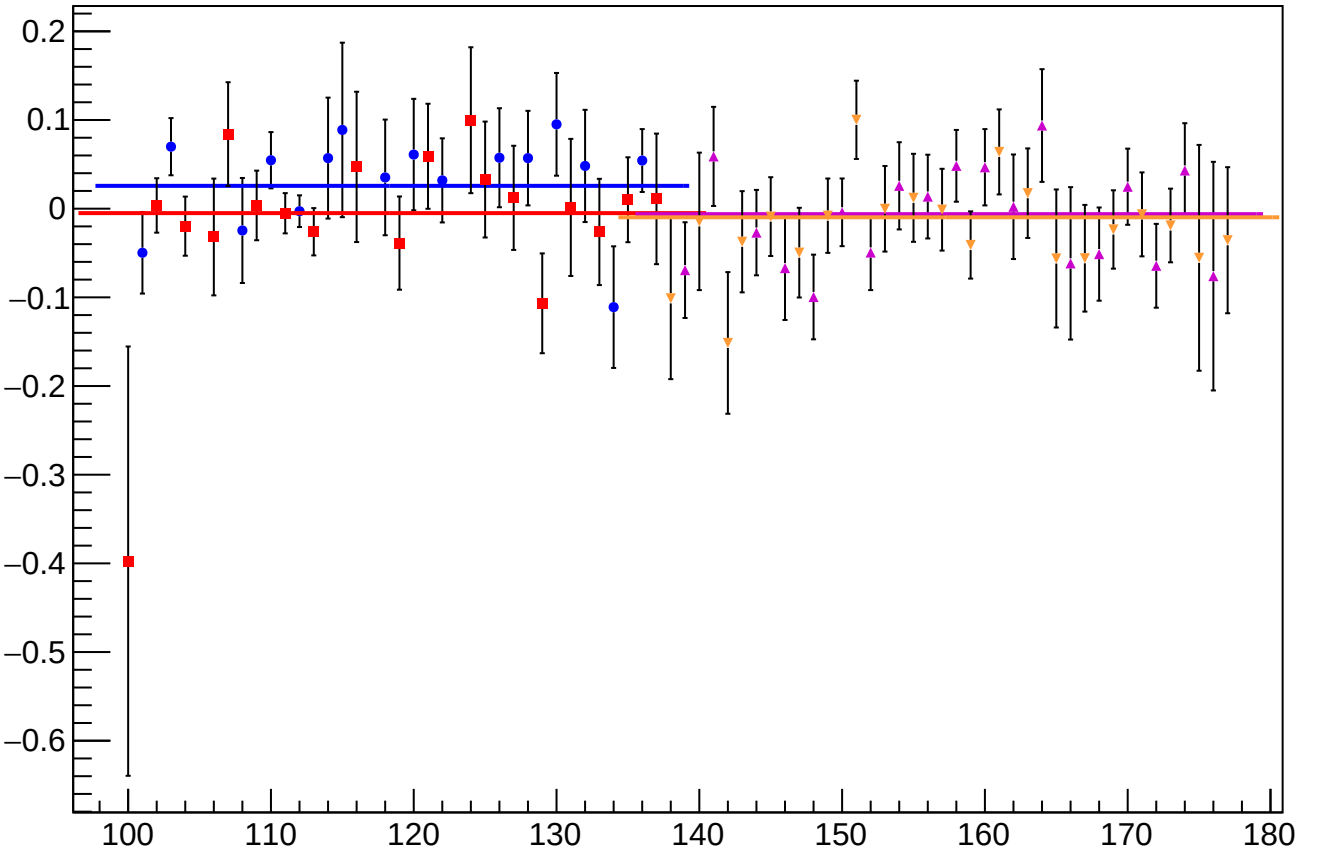
Left In: 0.000+/-0.000 χ^2/NDF:15.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/36

All: 0.000+/-0.000 χ^2/NDF: 93.1/74

- sign 0.000+/-0.000 χ^2/NDF: 28.5/37


asym_sam_1548_avg_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: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:5383666.7/20
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1312269.2/18
+ sign 0.001+/-0.000 χ²/NDF: 10331485.7/36
All: 0.001+/-0.000 χ²/NDF: 22061266.9/74
- sign 0.001+/-0.000 χ²/NDF: 11662265.4/37



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

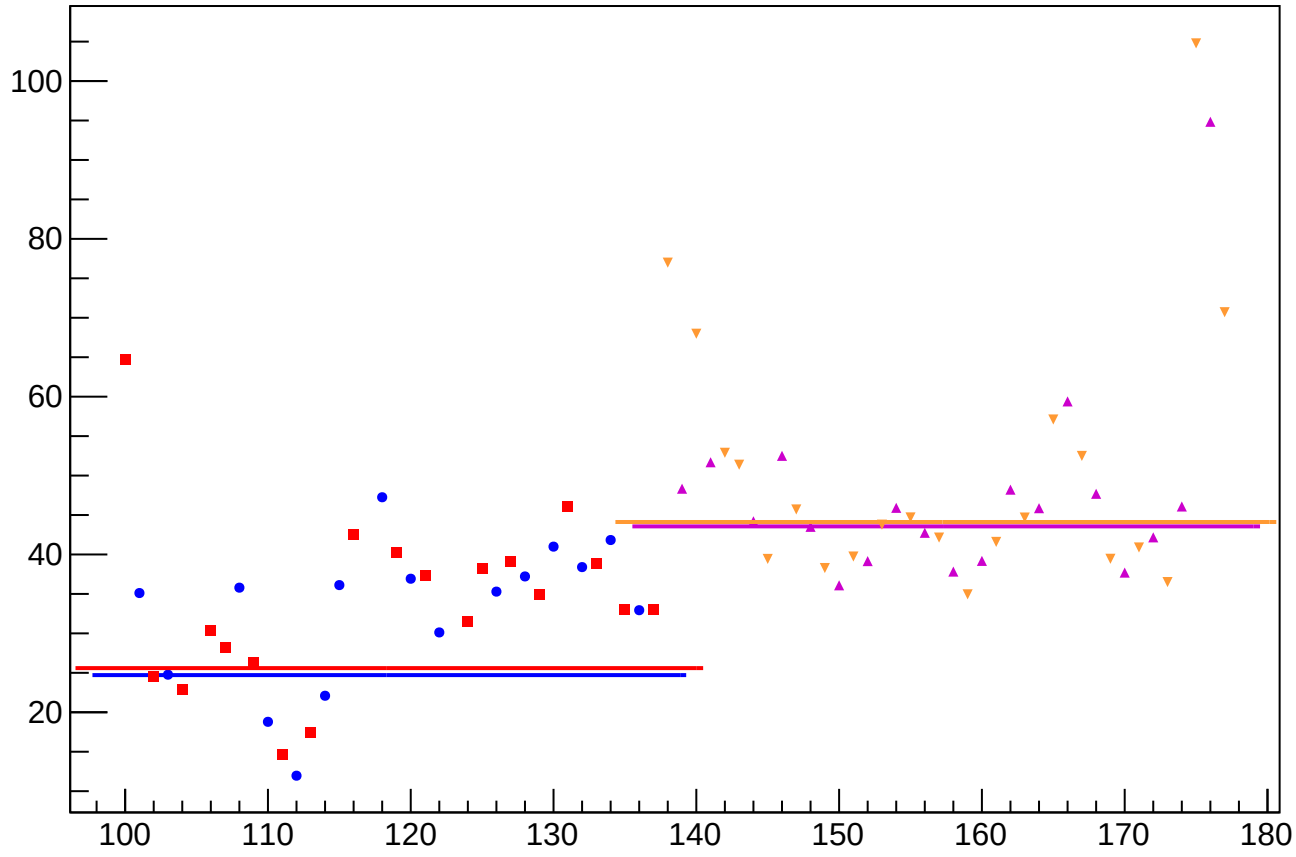
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.6/18

+ sign 0.010+/-0.008 χ^2/NDF: 38.0/36

All: 0.002+/-0.005 χ^2/NDF: 73.2/74

- sign -0.006+/-0.008 χ^2/NDF: 33.2/37



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.116+/-0.008 χ^2/NDF:1571122.6/20

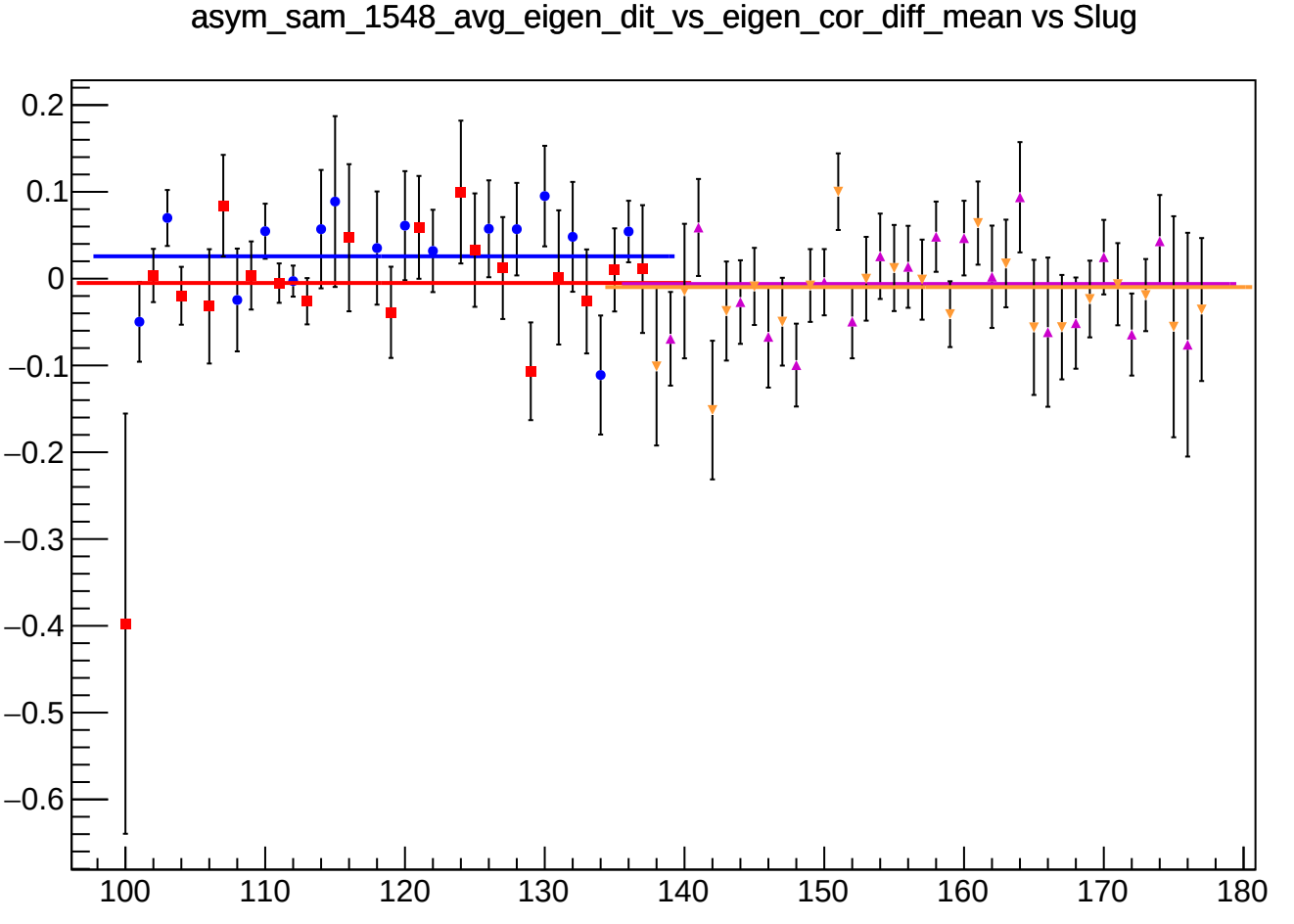
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.561+/-0.008 χ^2/NDF:724445.7/18

+ sign 33.518+/-0.005 χ^2/NDF: 7052742.3/36

All: 33.563+/-0.004 χ^2/NDF: 12070616.4/74

- sign 33.608+/-0.005 χ^2/NDF: 5017736.7/37



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

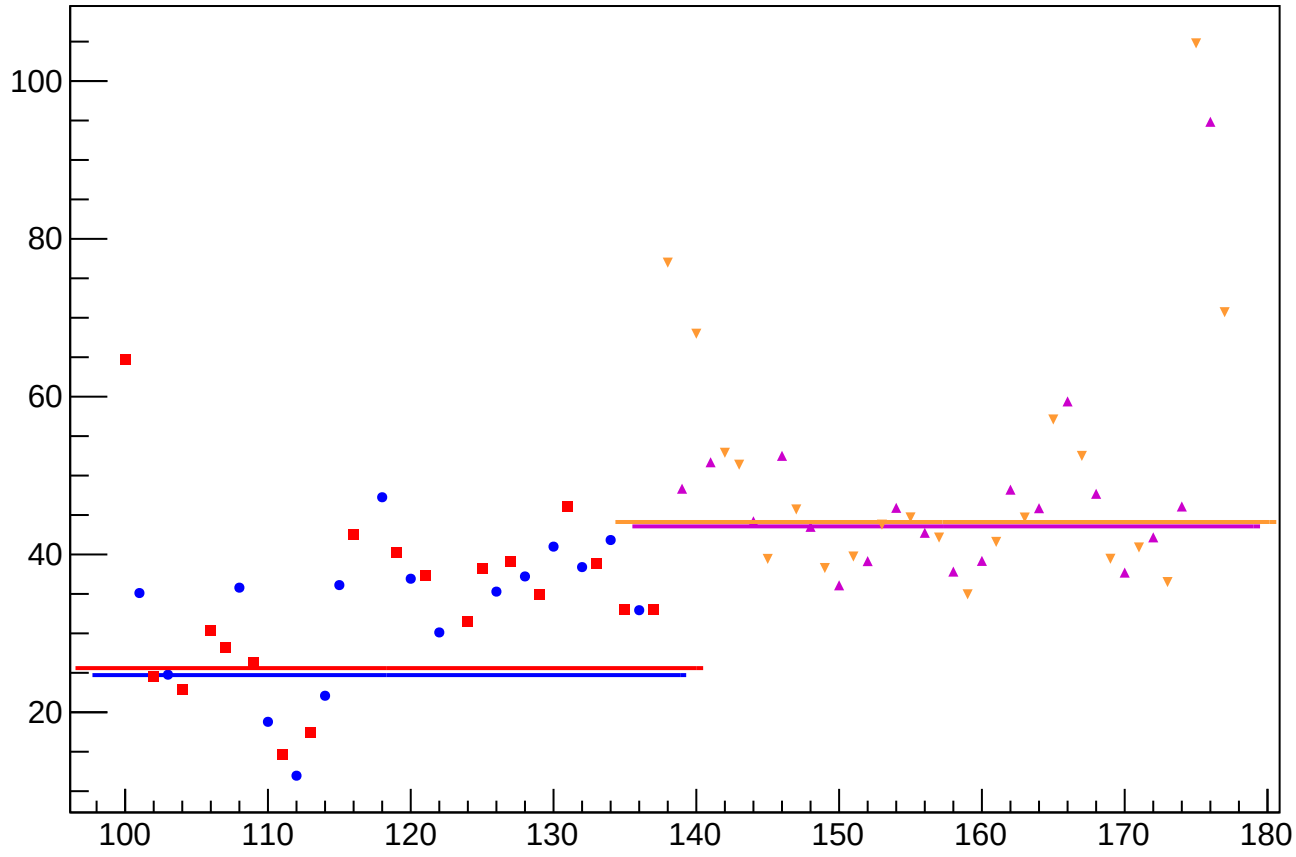
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.012 χ^2/NDF:19.6/18

+ sign 0.010+/-0.008 χ^2/NDF: 38.0/36

All: 0.002+/-0.005 χ^2/NDF: 73.2/74

- sign -0.006+/-0.008 χ^2/NDF: 33.2/37



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.116+/-0.008 χ^2/NDF:1571122.6/20

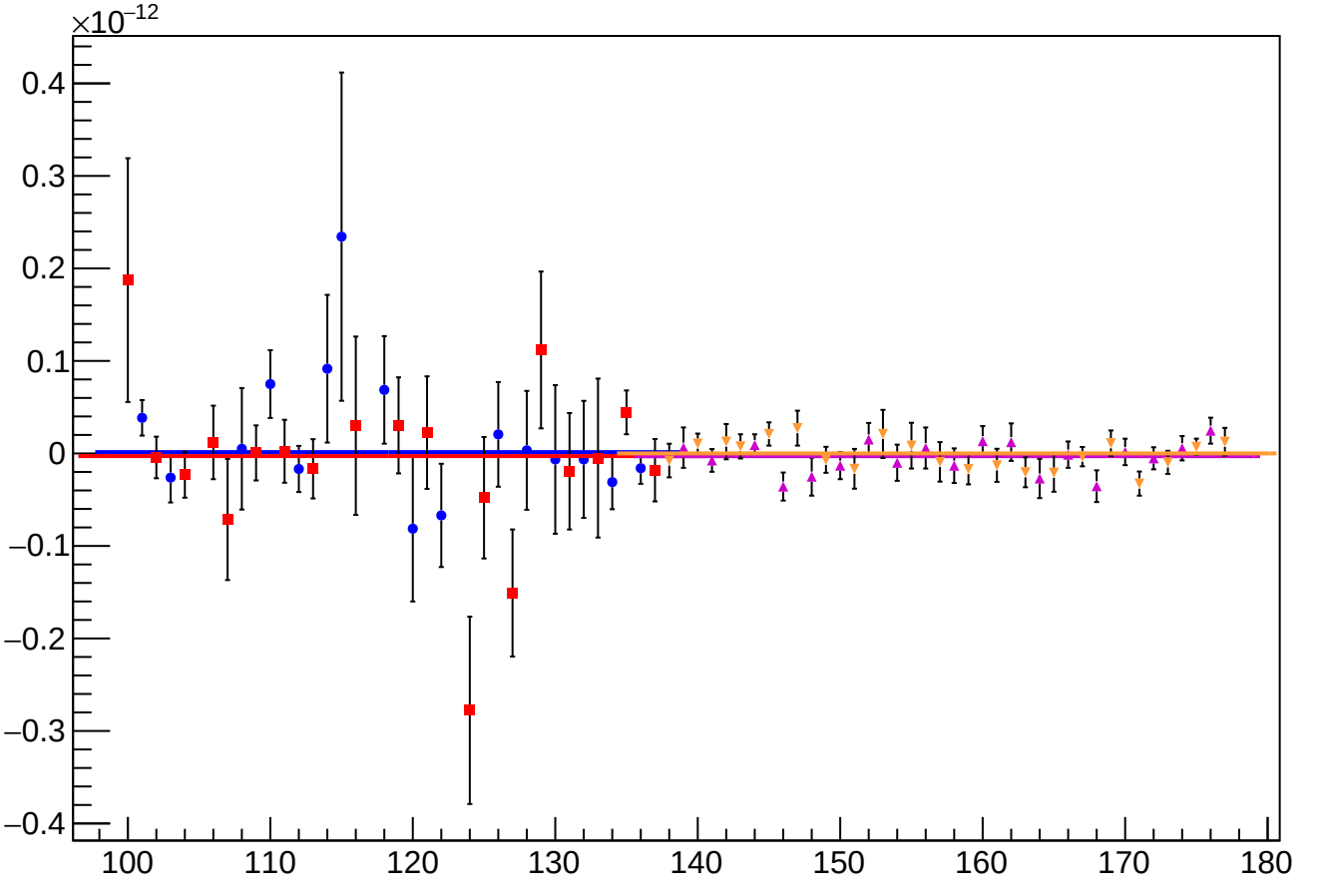
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.561+/-0.008 χ^2/NDF:724445.7/18

+ sign 33.518+/-0.005 χ^2/NDF: 7052742.3/36

All: 33.563+/-0.004 χ^2/NDF: 12070616.4/74

- sign 33.608+/-0.005 χ^2/NDF: 5017736.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/20

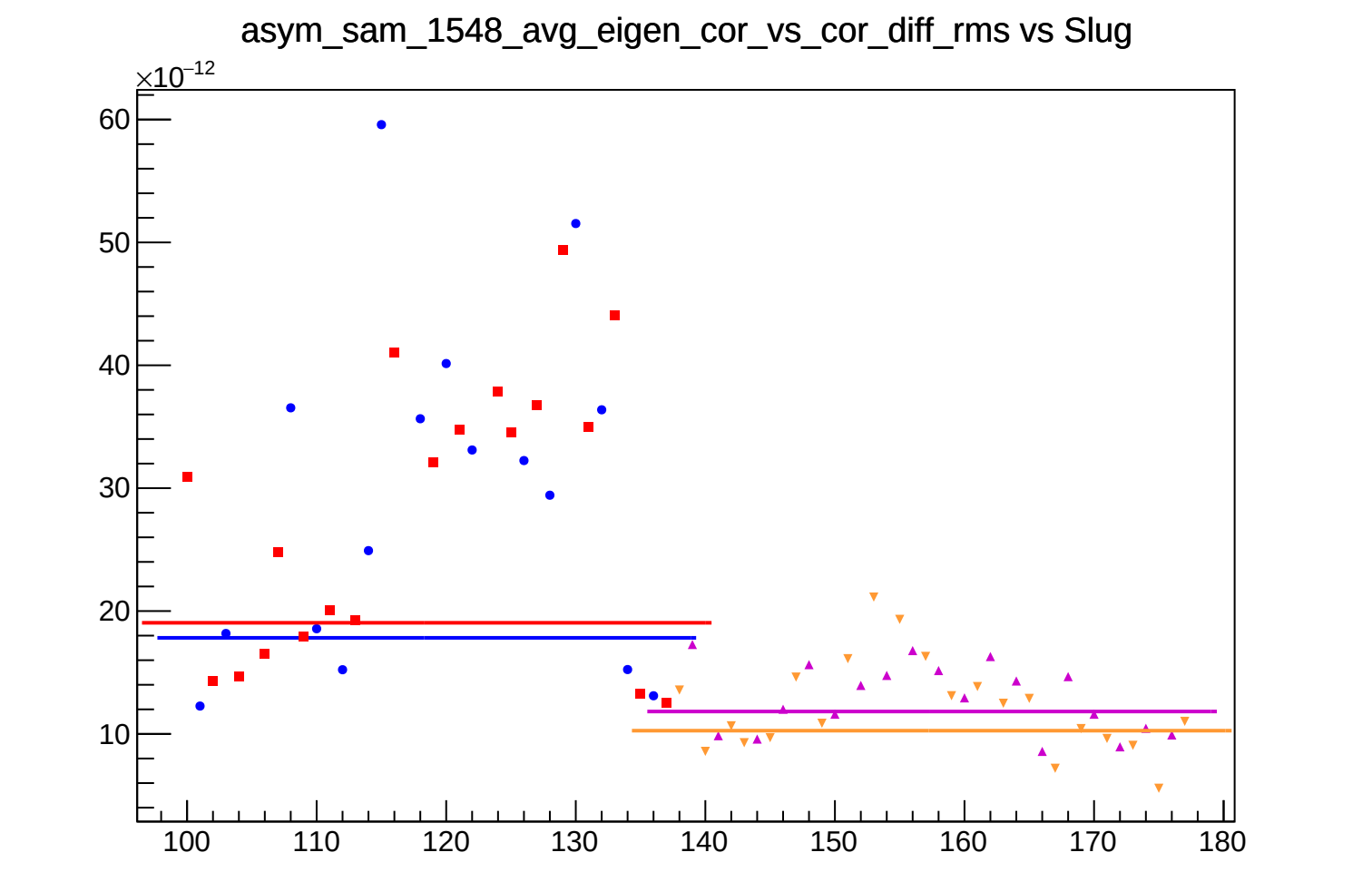
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:20.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 40.5/36

All: -0.000+/-0.000 χ^2/NDF: 84.7/74

- sign -0.000+/-0.000 χ^2/NDF: 43.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2146406.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

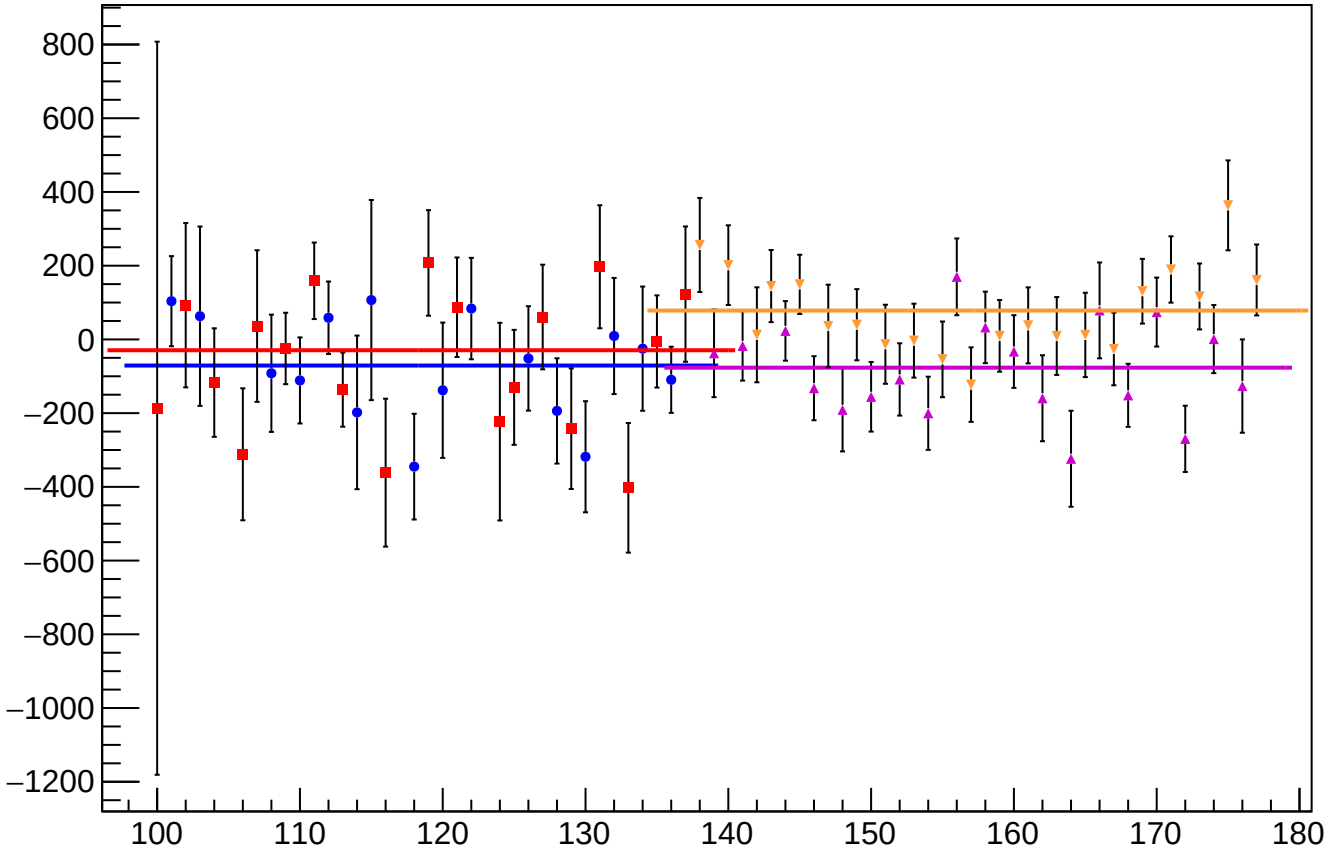
Left In: 0.000+/-0.000 χ^2/NDF:1025351.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 5353707.6/36

All: 0.000+/-0.000 χ^2/NDF: 9346633.9/74

- sign 0.000+/-0.000 χ^2/NDF: 3728101.7/37

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 78.355+/-22.057 χ^2/NDF:22.9/20

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

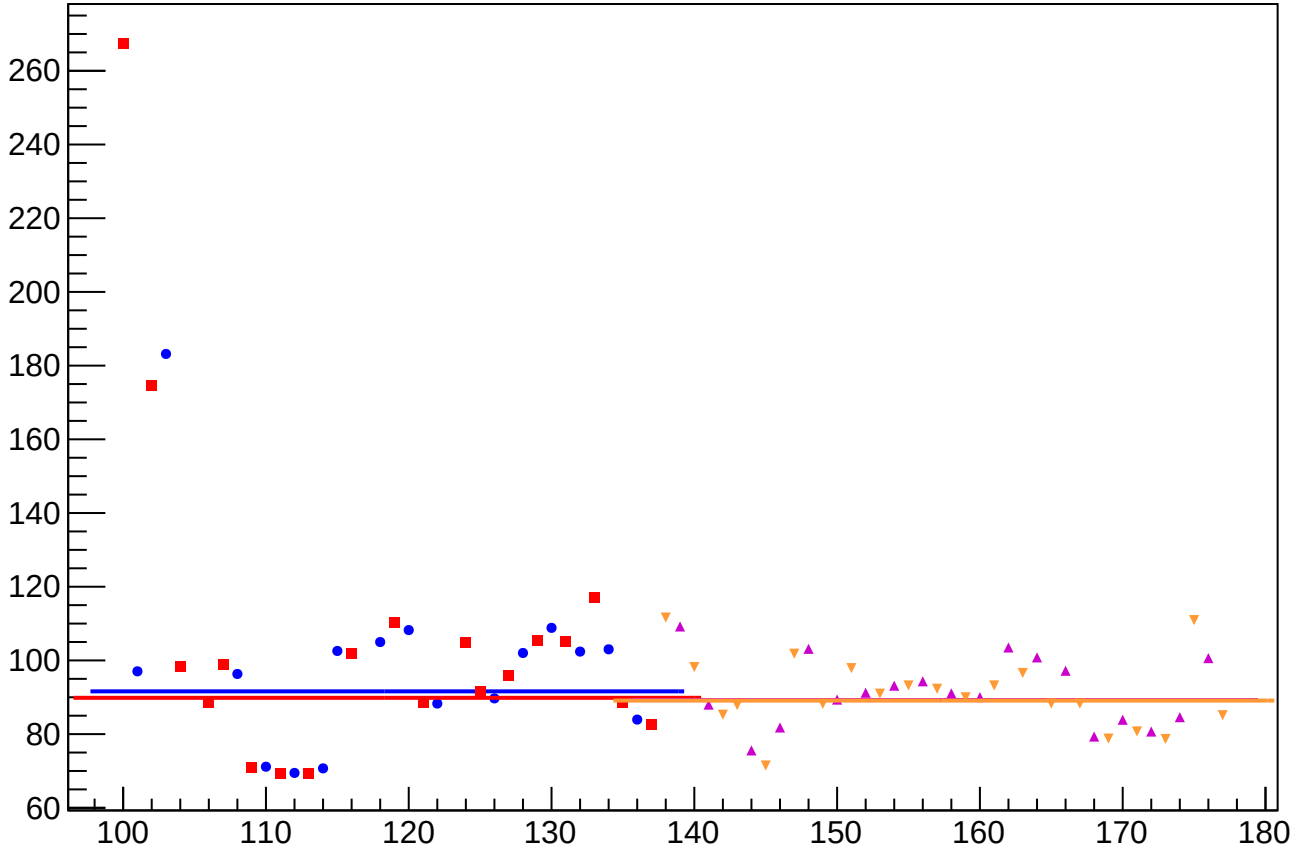
Left In: -76.645+/-22.866 χ^2/NDF:27.3/18

+ sign 36.140+/-18.679 χ^2/NDF: 49.9/36

All: -12.091+/-13.326 χ^2/NDF: 116.1/74

- sign -62.078+/-19.016 χ^2/NDF: 52.6/37

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.111+/-0.016 χ^2/NDF:373389.1/20

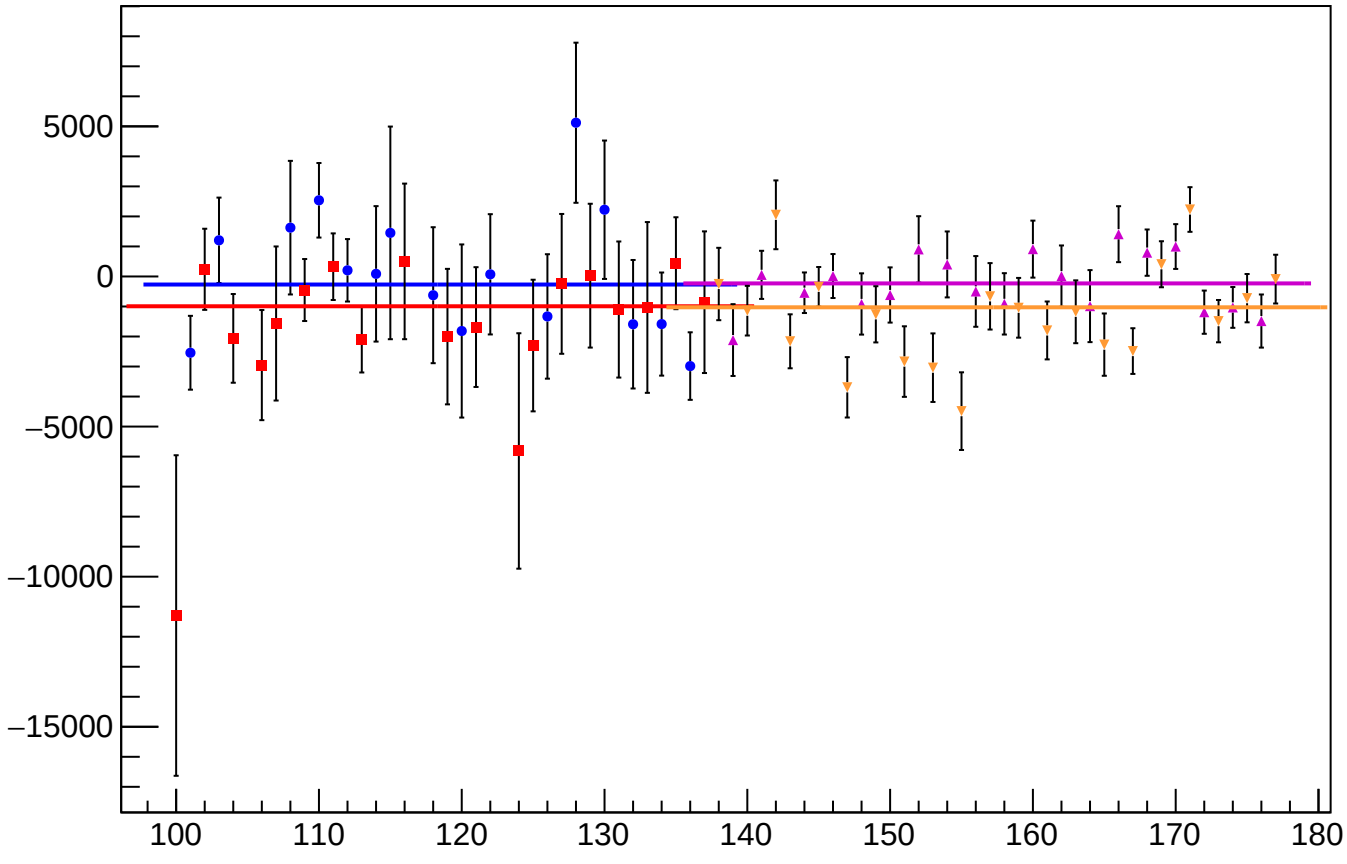
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

+ sign 89.817+/-0.013 χ^2/NDF: 961310.0/36

All: 89.627+/-0.009 χ^2/NDF: 2002674.1/74

- sign 89.429+/-0.013 χ^2/NDF: 1040939.6/37



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1026.998+/-197.189 χ^2/NDF:60.5/20

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

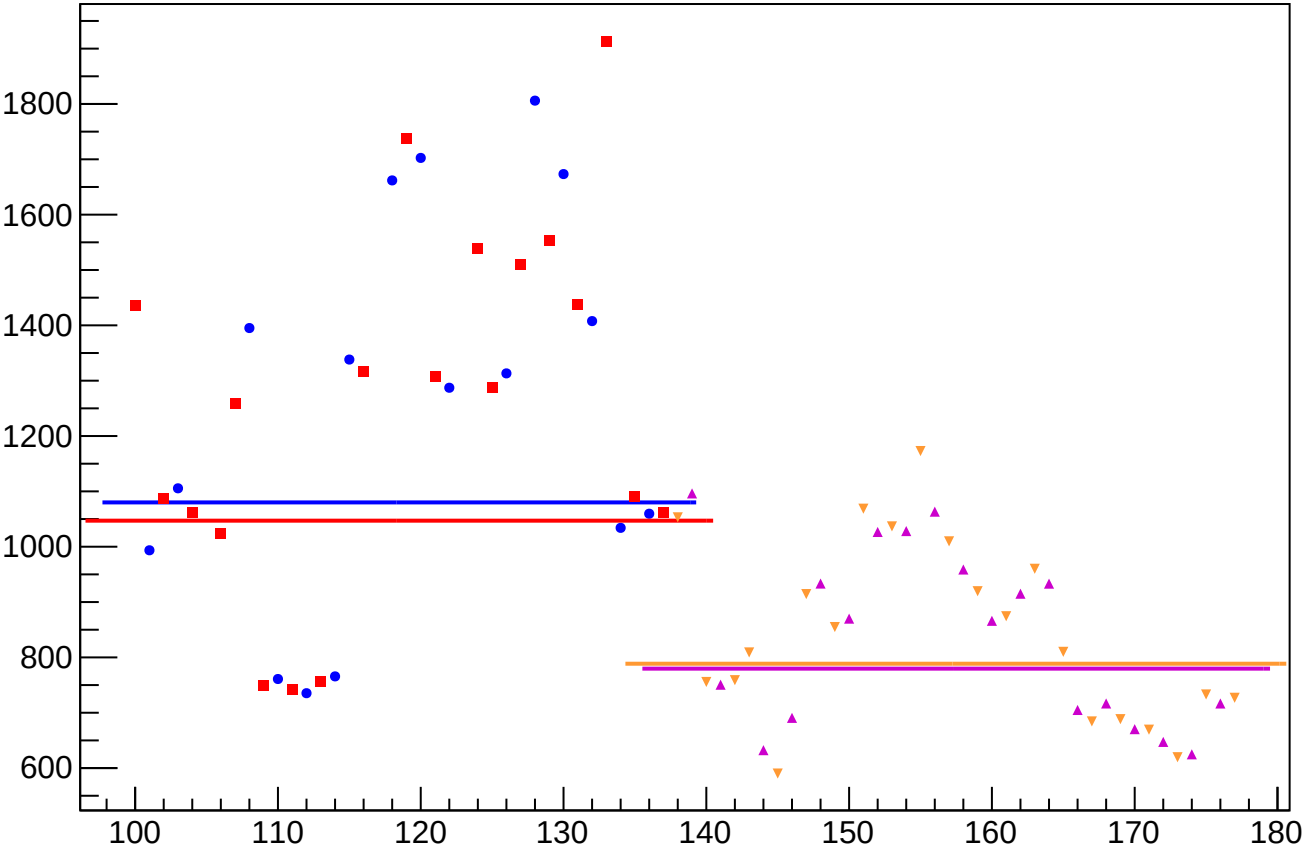
Left In: -231.156+/-201.845 χ^2/NDF:20.1/18

+ sign -889.772+/-178.463 χ^2/NDF: 86.6/36

All: -640.039+/-126.829 χ^2/NDF: 126.2/74

- sign -385.202+/-180.277 χ^2/NDF: 35.6/37

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 788.577+/-0.139 χ^2/NDF:1152379.7/20

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

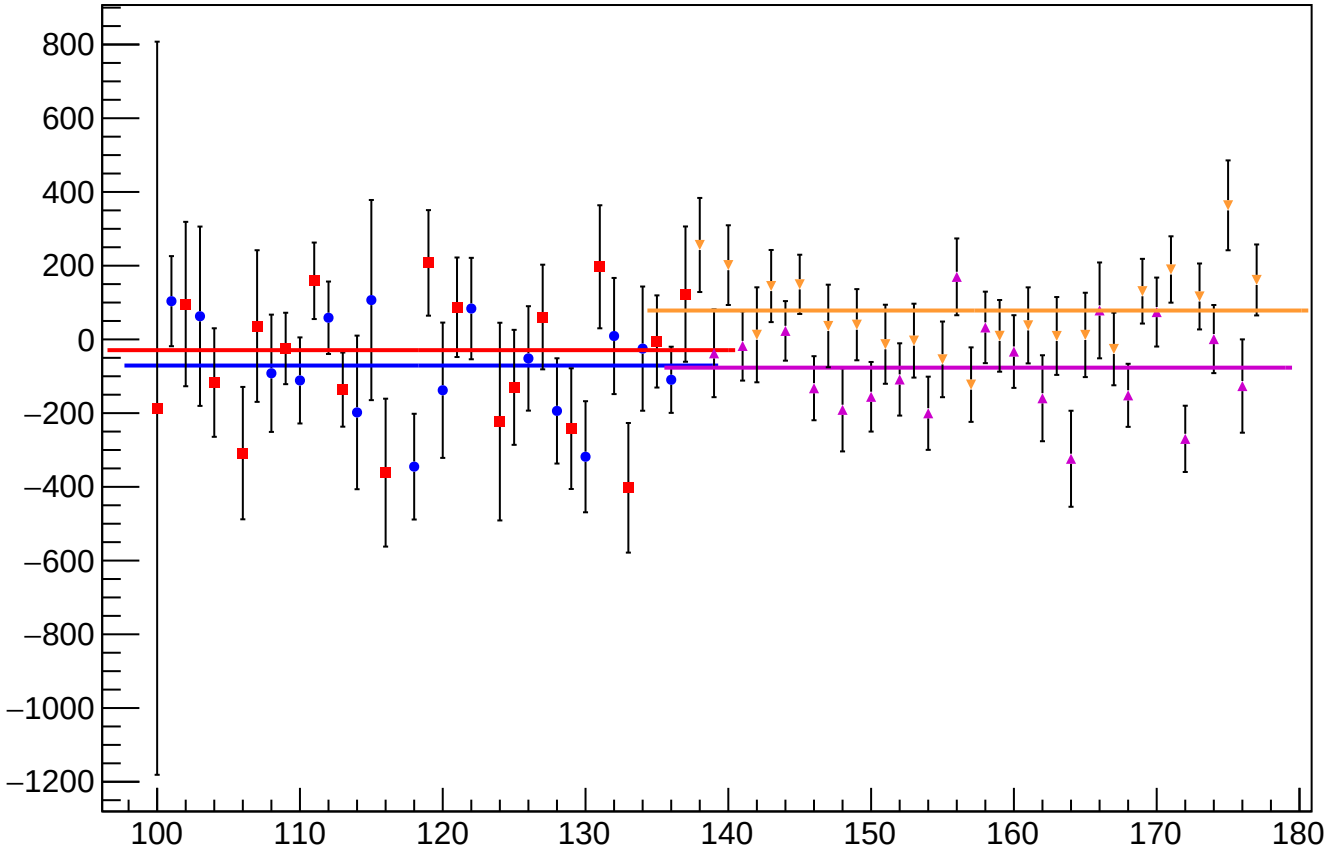
Left In: 779.677+/-0.143 χ^2/NDF:1046970.8/18

+ sign 841.308+/-0.126 χ^2/NDF: 2996374.5/36

All: 837.576+/-0.090 χ^2/NDF: 5953759.9/74

- sign 833.768+/-0.127 χ^2/NDF: 2955618.3/37

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 78.360+/-22.057 χ^2/NDF:22.9/20

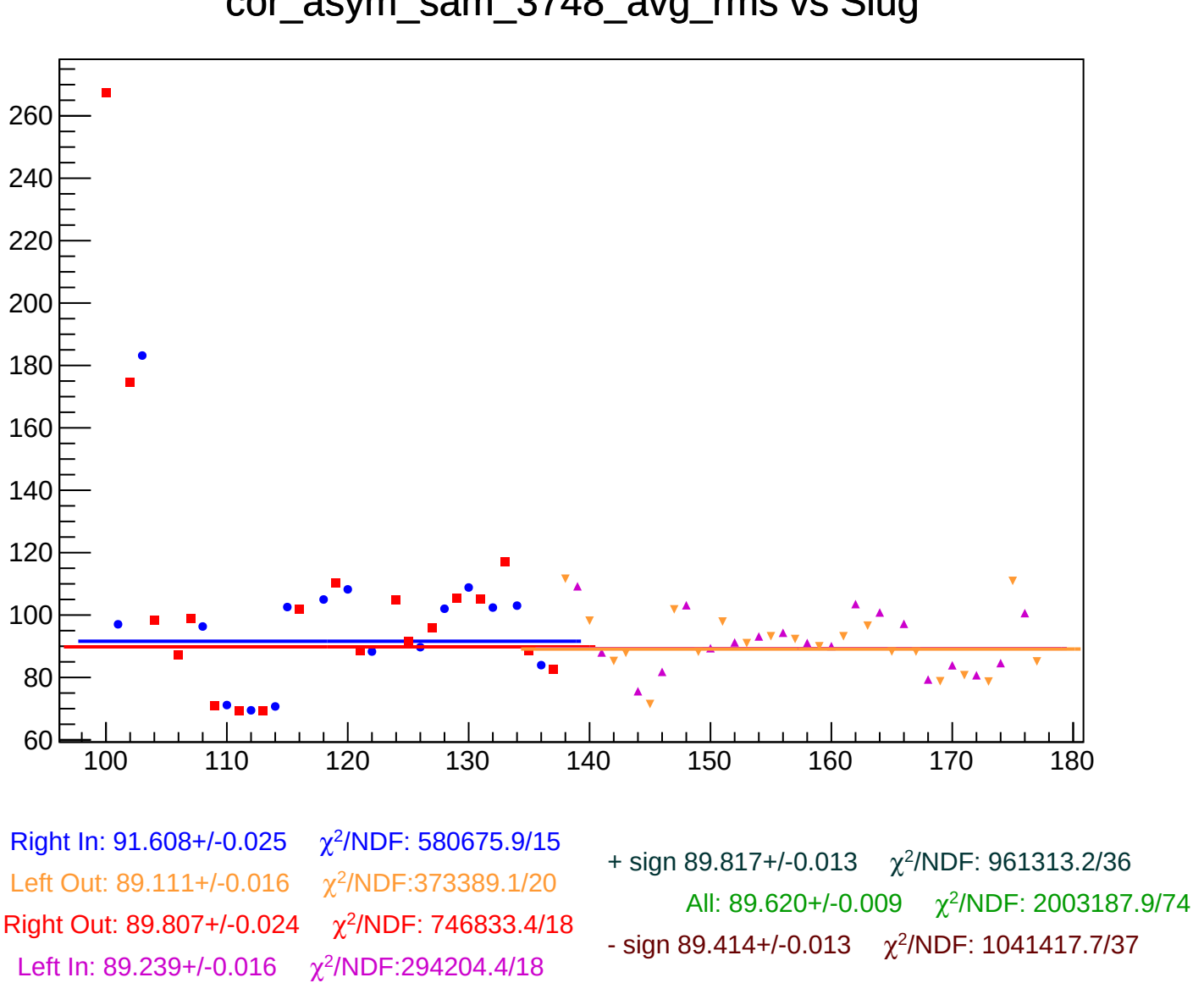
Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: -76.645+/-22.866 χ^2/NDF:27.3/18

+ sign 36.141+/-18.679 χ^2/NDF: 49.9/36

All: -12.052+/-13.326 χ^2/NDF: 116.0/74

- sign -62.003+/-19.017 χ^2/NDF: 52.6/37



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.111+/-0.016 χ^2/NDF:373389.1/20

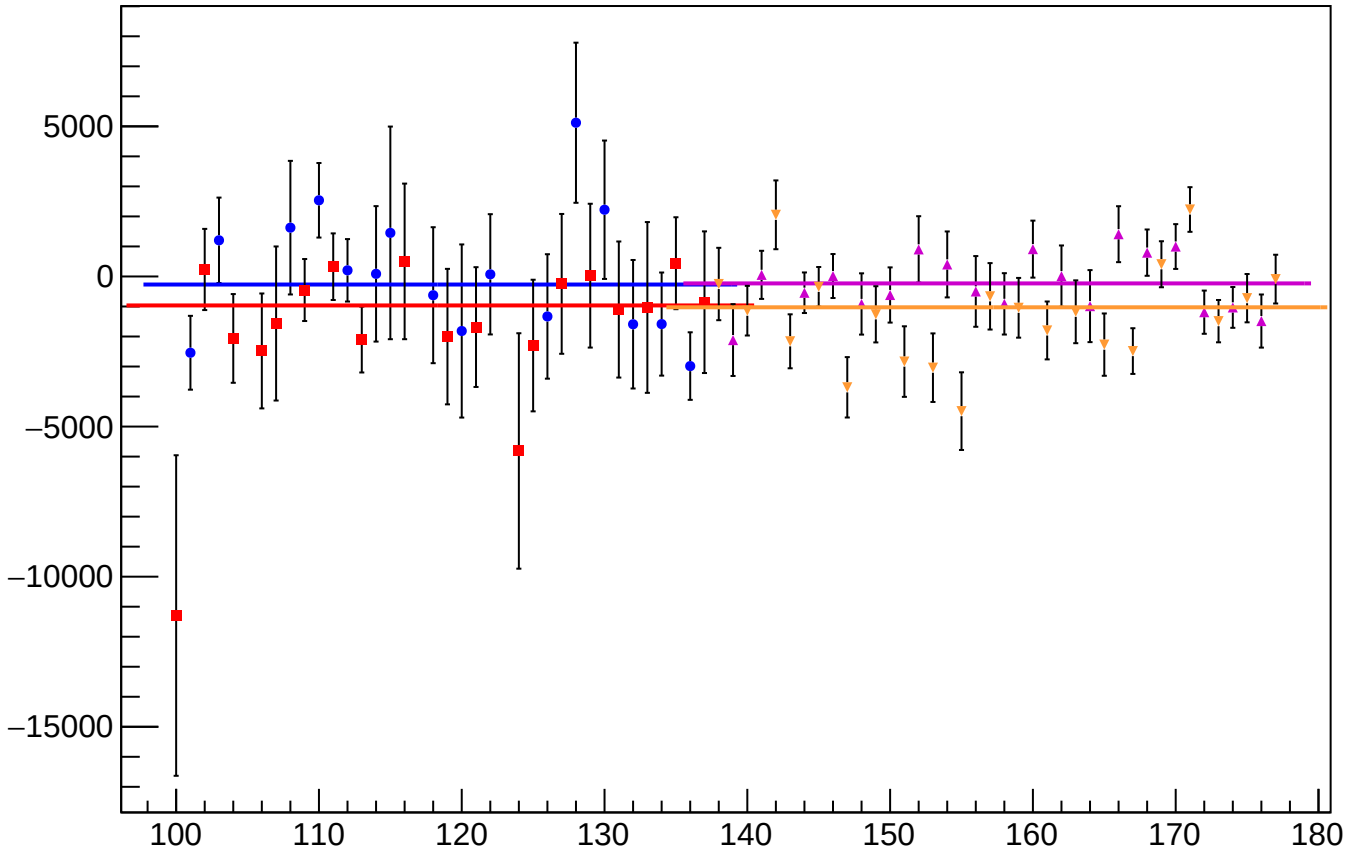
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

+ sign 89.817+/-0.013 χ^2/NDF: 961313.2/36

All: 89.620+/-0.009 χ^2/NDF: 2003187.9/74

- sign 89.414+/-0.013 χ^2/NDF: 1041417.7/37



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1026.992+/-197.189 χ^2/NDF:60.5/20

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

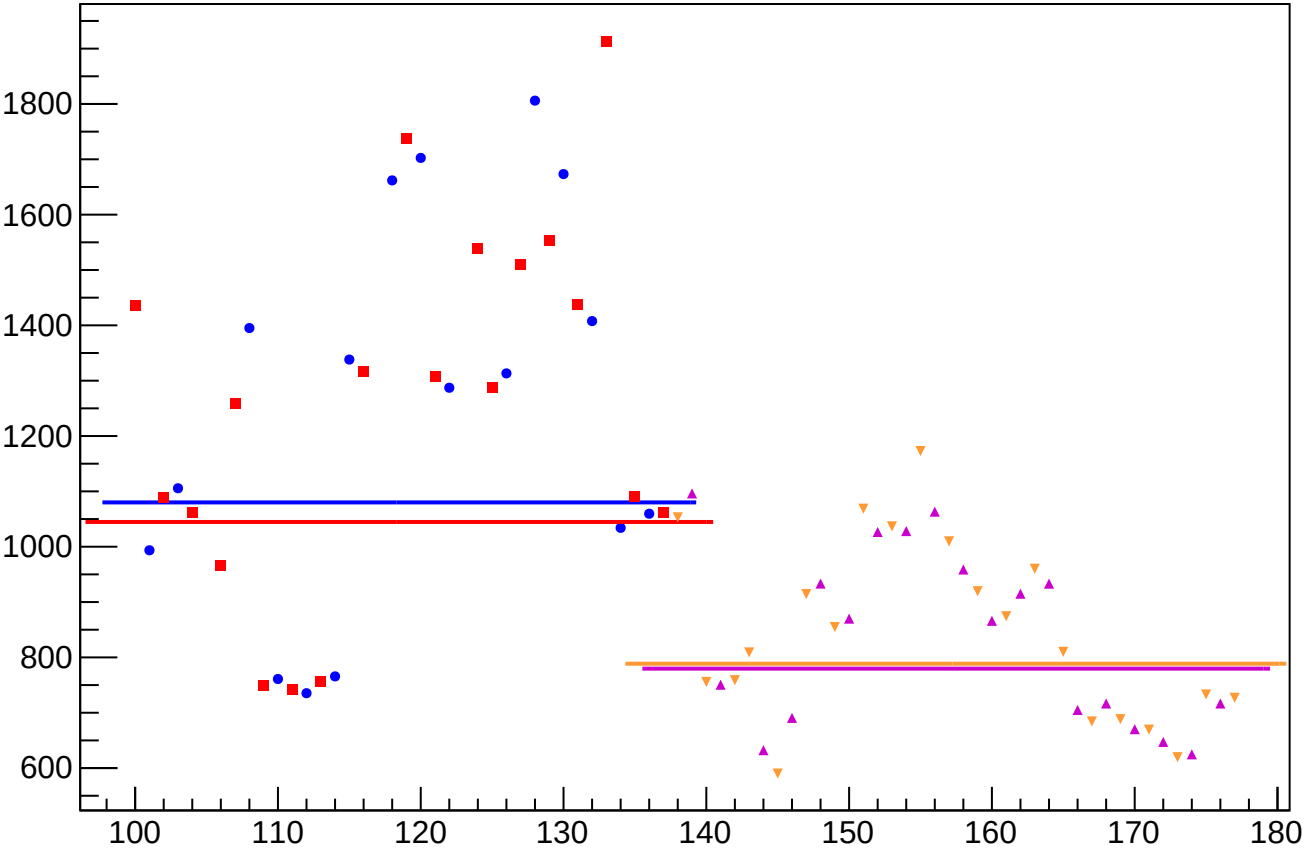
Left In: -231.160+/-201.845 χ^2/NDF:20.1/18

\+ sign -889.773+/-178.463 χ^2/NDF: 86.6/36

All: -637.137+/-126.855 χ^2/NDF: 125.5/74

\- sign -379.129+/-180.351 χ^2/NDF: 34.9/37

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 788.577+/-0.139 χ^2/NDF:1152382.0/20

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

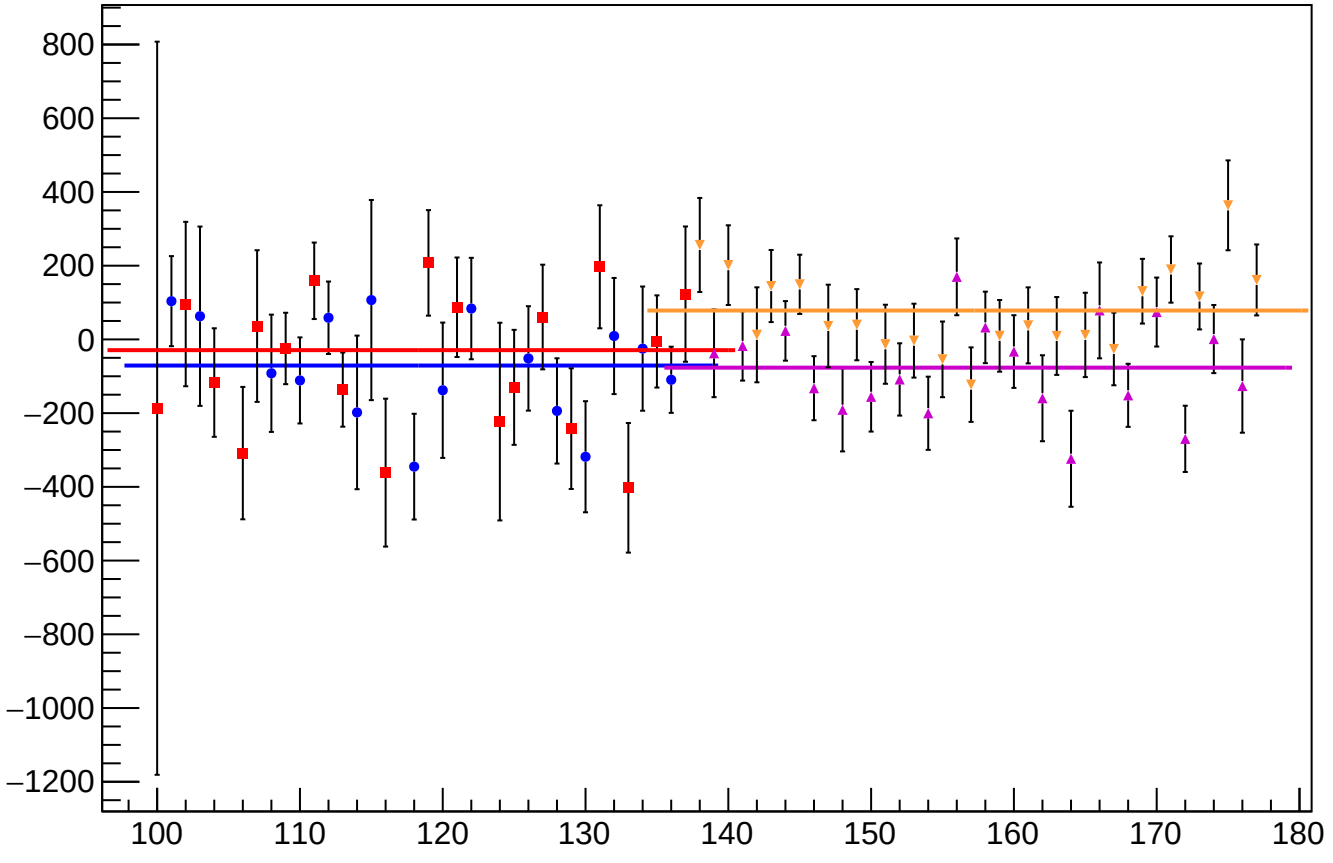
Left In: 779.677+/-0.143 χ^2/NDF:1046970.2/18

+ sign 841.308+/-0.126 χ^2/NDF: 2996421.3/36

All: 837.257+/-0.090 χ^2/NDF: 5942630.5/74

- sign 833.120+/-0.128 χ^2/NDF: 2944126.1/37

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 78.360+/-22.057 χ^2/NDF:22.9/20

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

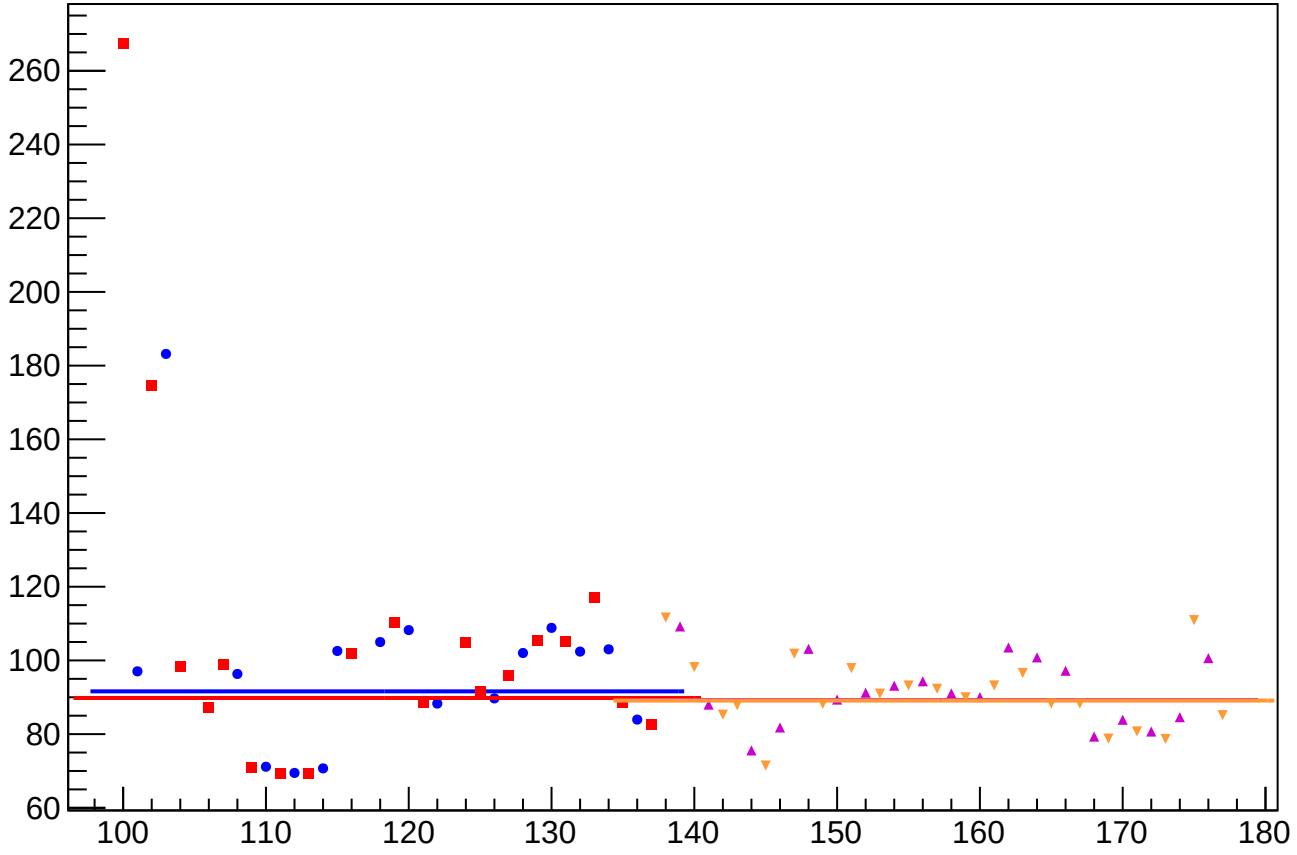
Left In: -76.645+/-22.866 χ^2/NDF:27.3/18

+ sign 36.141+/-18.679 χ^2/NDF: 49.9/36

All: -12.052+/-13.326 χ^2/NDF: 116.0/74

- sign -62.003+/-19.017 χ^2/NDF: 52.6/37

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.111+/-0.016 χ^2/NDF:373389.1/20

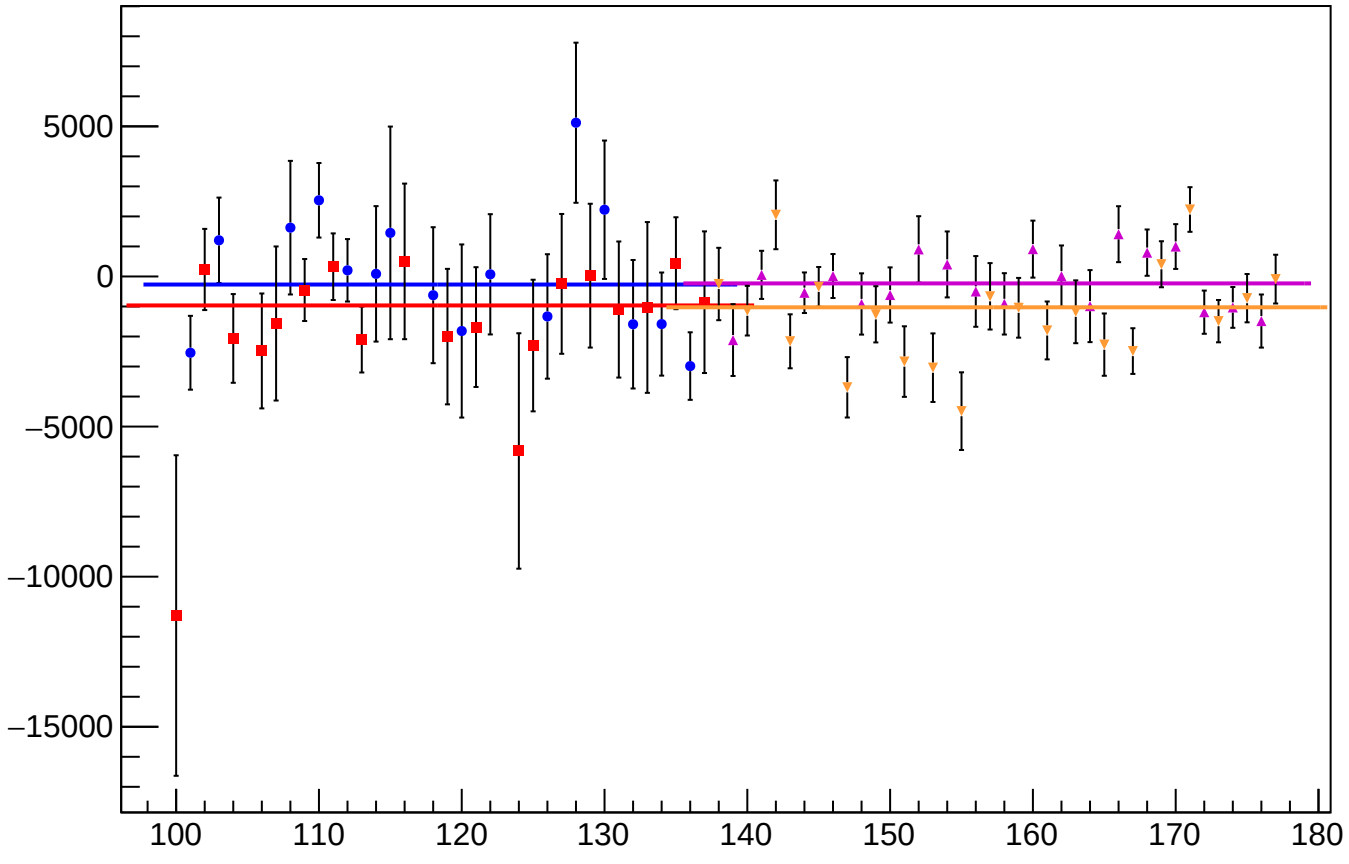
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

+ sign 89.817+/-0.013 χ^2/NDF: 961313.2/36

All: 89.620+/-0.009 χ^2/NDF: 2003187.9/74

- sign 89.414+/-0.013 χ^2/NDF: 1041417.7/37



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1026.992+/-197.189 χ^2/NDF:60.5/20

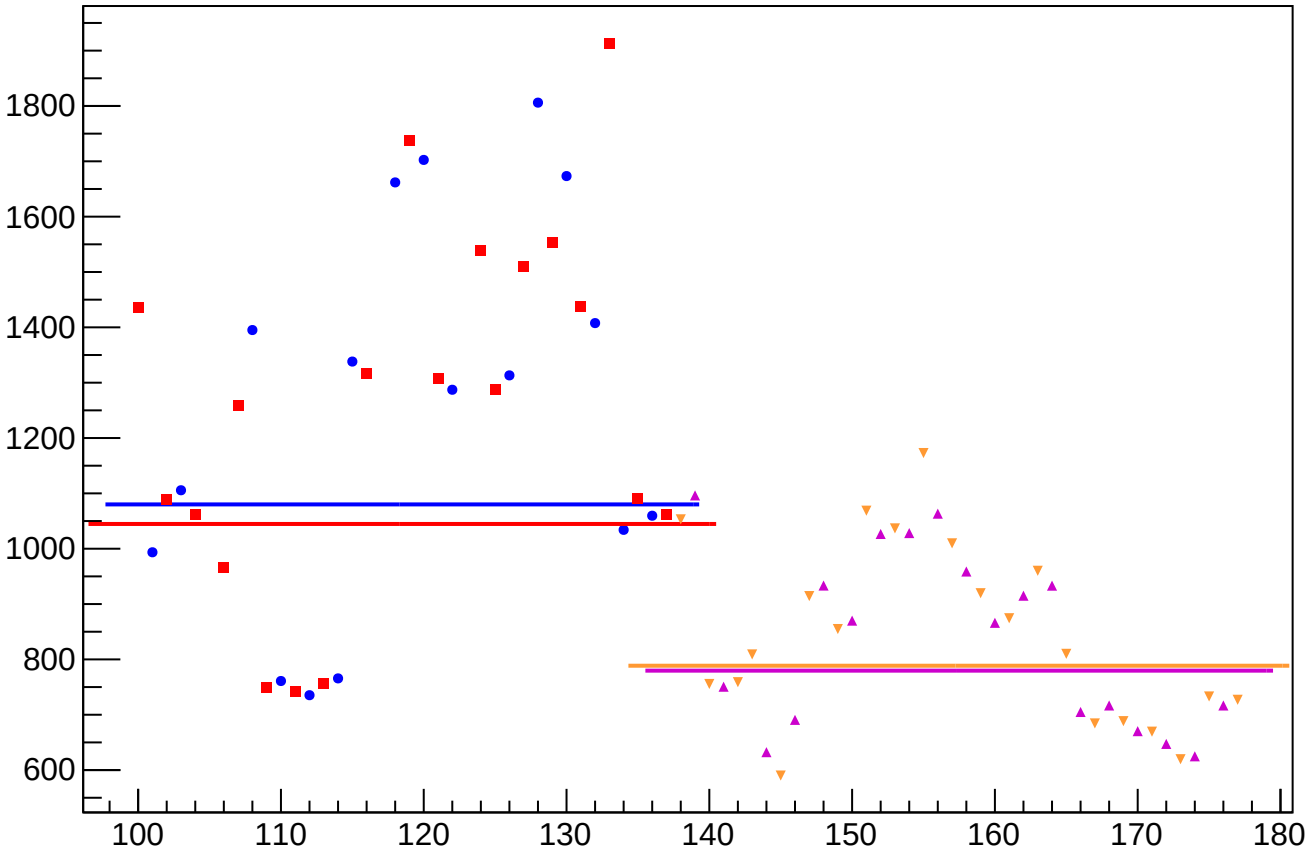
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -231.160+/-201.845 χ^2/NDF:20.1/18

\+ sign -889.773+/-178.463 χ^2/NDF: 86.6/36

All: -637.137+/-126.855 χ^2/NDF: 125.5/74

\- sign -379.129+/-180.351 χ^2/NDF: 34.9/37



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 788.577+/-0.139 χ^2/NDF:1152382.0/20

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

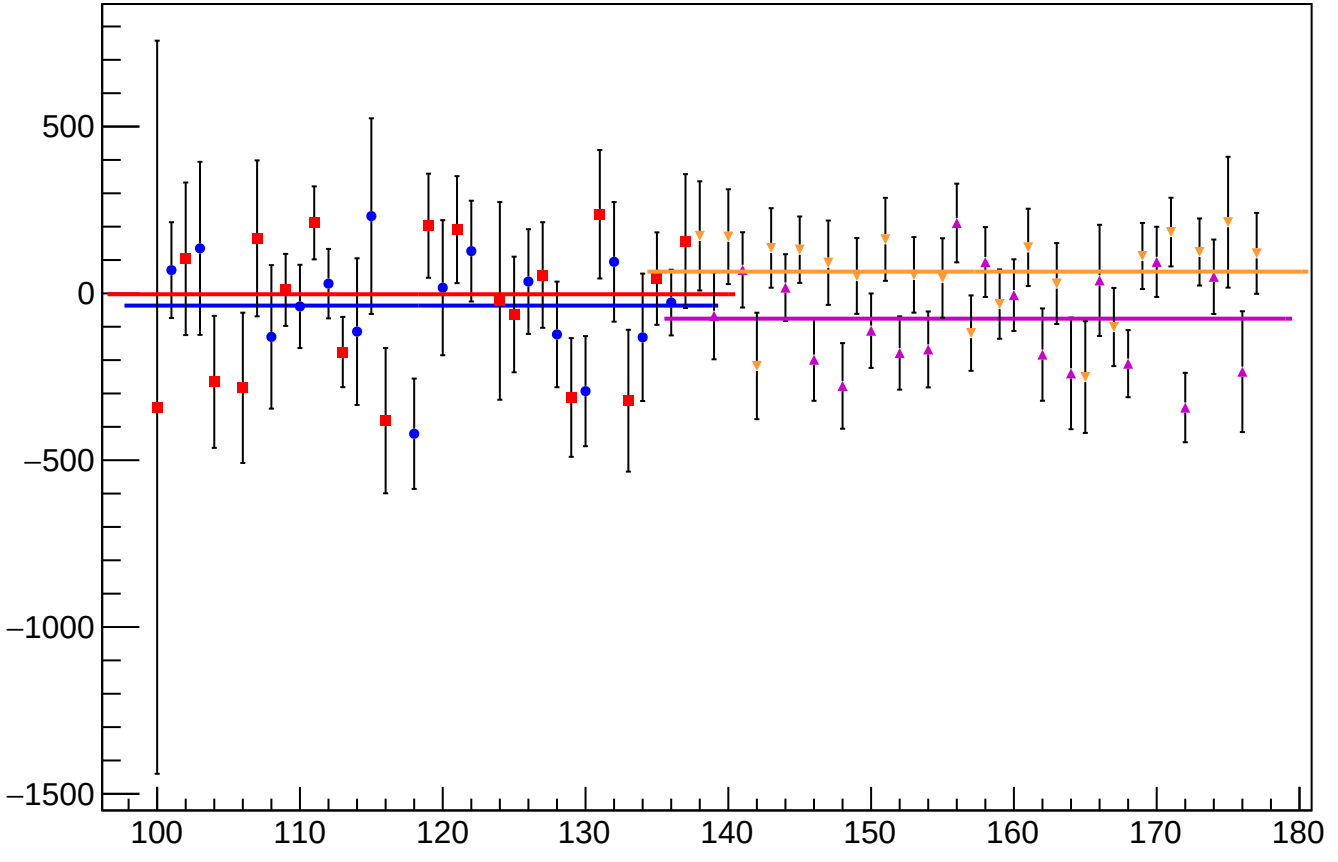
Left In: 779.677+/-0.143 χ^2/NDF:1046970.2/18

+ sign 841.308+/-0.126 χ^2/NDF: 2996421.3/36

All: 837.257+/-0.090 χ^2/NDF: 5942630.5/74

- sign 833.120+/-0.128 χ^2/NDF: 2944126.1/37

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.272+/-26.157 χ^2/NDF:17.9/20

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

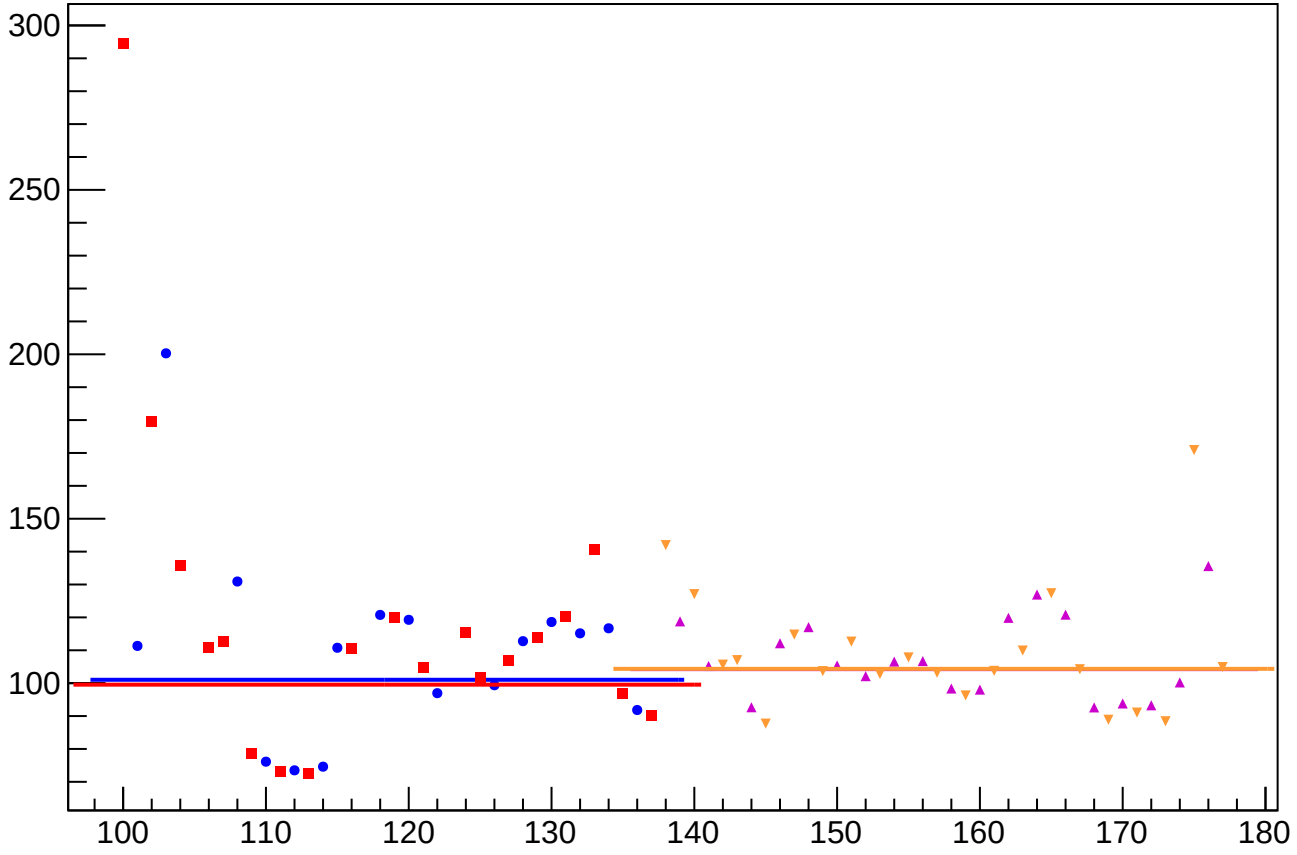
Left In: -75.761+/-27.010 χ^2/NDF:31.7/18

+ sign 33.658+/-21.722 χ^2/NDF: 35.5/36

All: -8.207+/-15.473 χ^2/NDF: 101.9/74

- sign -51.335+/-22.047 χ^2/NDF: 58.9/37

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 104.355+/-0.018 χ^2/NDF:655753.9/20

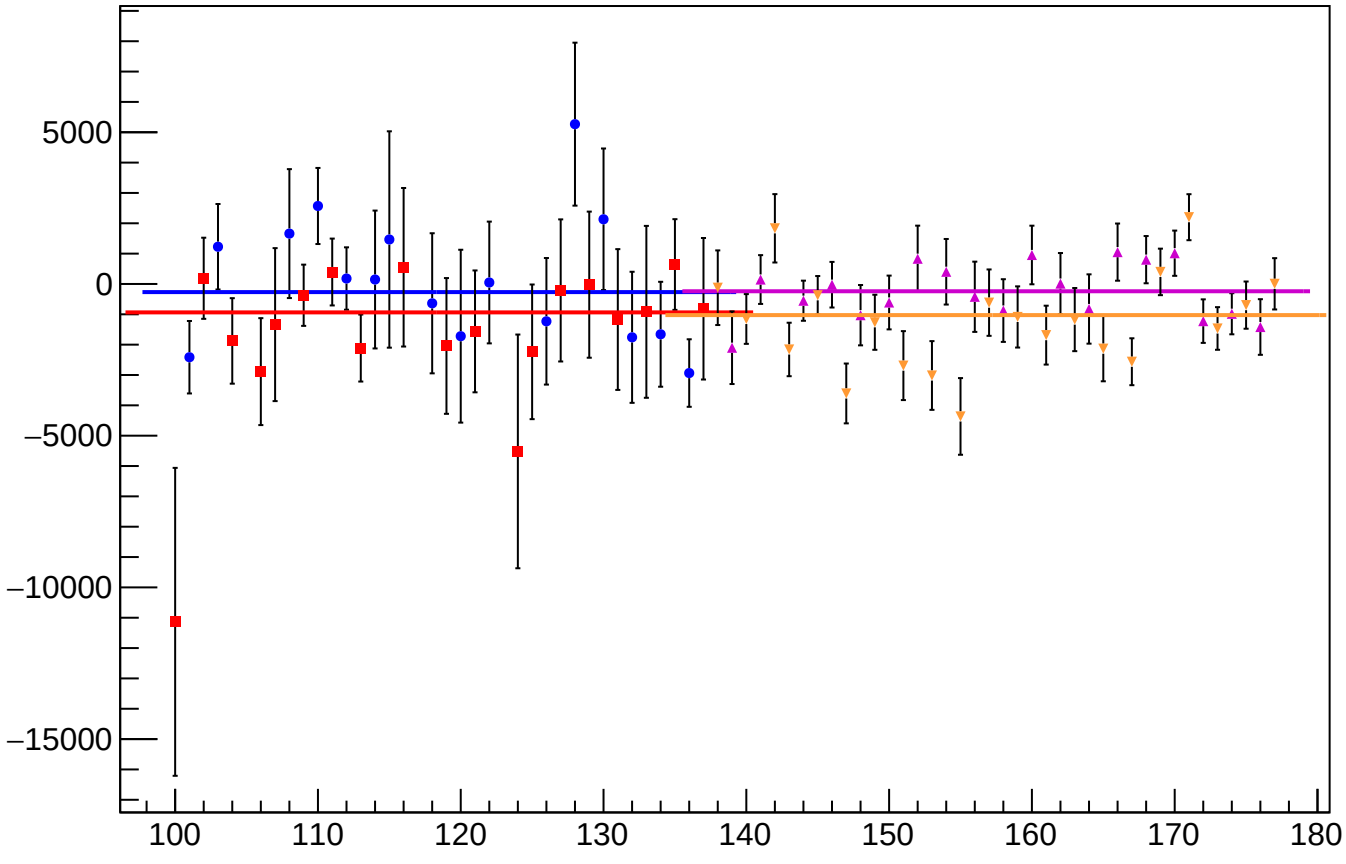
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 104.266+/-0.019 χ^2/NDF:308778.1/18

+ sign 103.324+/-0.015 χ^2/NDF: 1381875.2/36

All: 103.012+/-0.011 χ^2/NDF: 2592356.7/74

- sign 102.691+/-0.016 χ^2/NDF: 1209645.8/37



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1026.112+/-196.114 χ^2/NDF:58.1/20

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

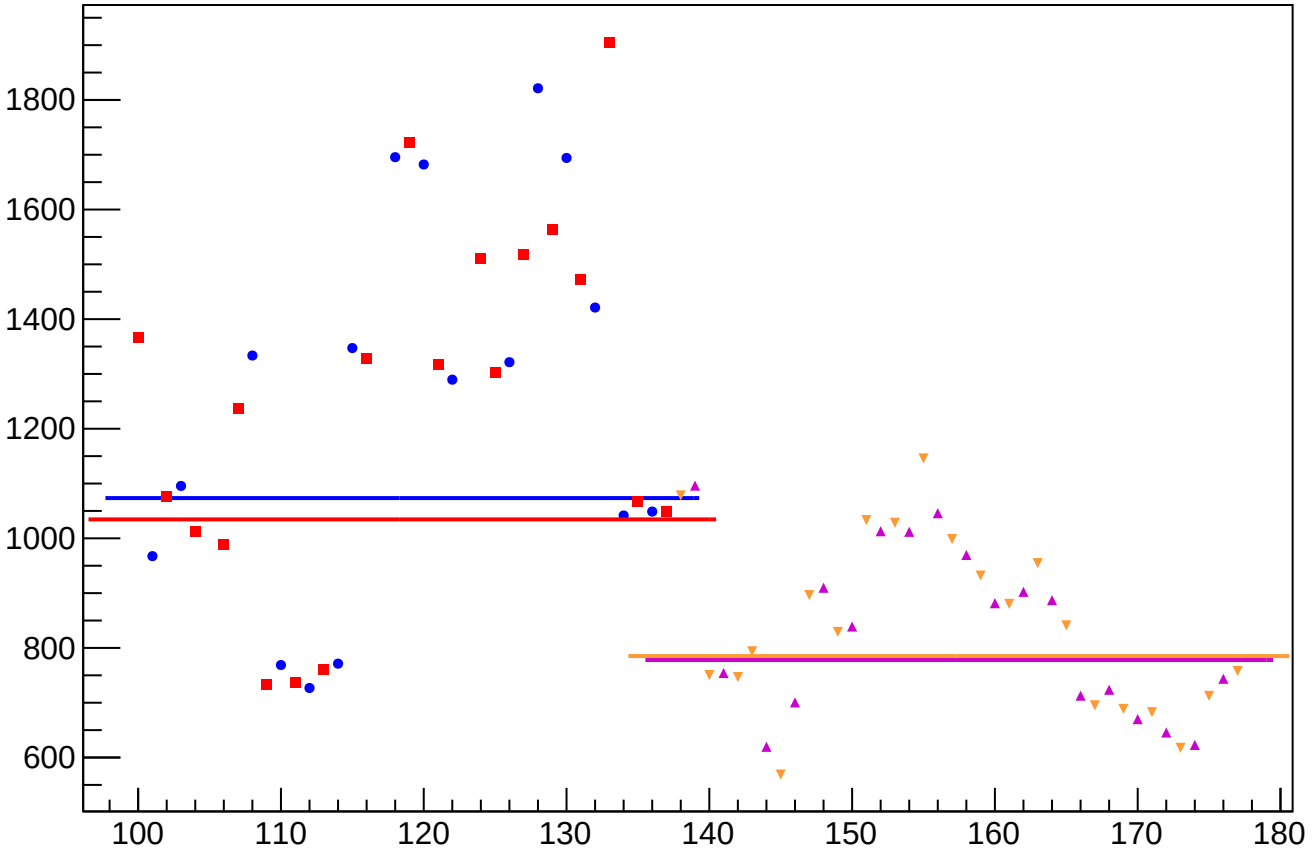
Left In: -240.336+/-201.279 χ^2/NDF:18.6/18

+ sign -888.815+/-177.473 χ^2/NDF: 84.3/36

All: -638.802+/-126.187 χ^2/NDF: 122.5/74

- sign -383.178+/-179.453 χ^2/NDF: 34.2/37

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 785.111+/-0.139 χ^2/NDF:1158164.3/20

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

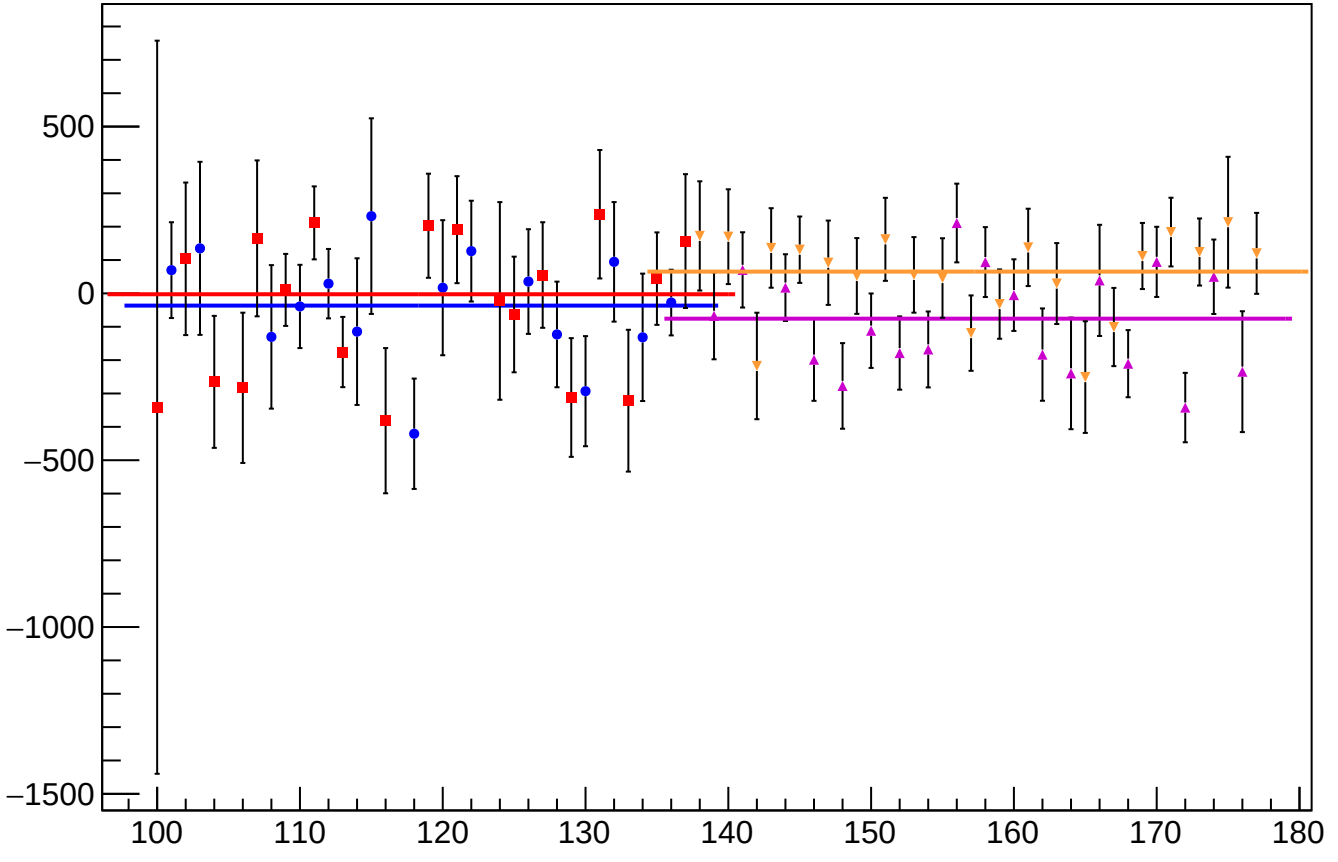
Left In: 777.954+/-0.142 χ^2/NDF:995174.3/18

\+ sign 837.324+/-0.125 χ^2/NDF: 3018102.0/36

All: 833.991+/-0.089 χ^2/NDF: 5910666.6/74

\- sign 830.583+/-0.127 χ^2/NDF: 2891137.9/37

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.273+/-26.157 χ^2/NDF:17.9/20

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

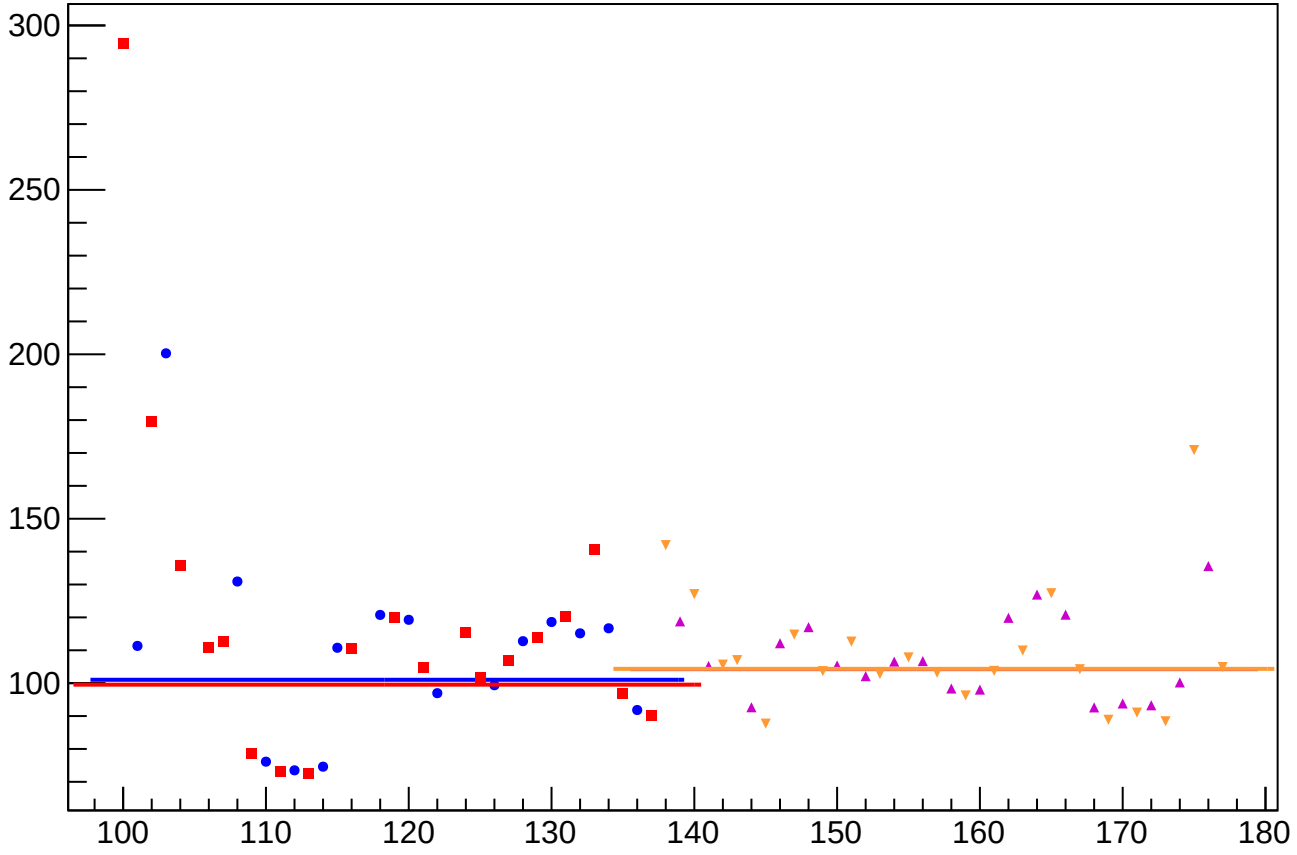
Left In: -75.760+/-27.010 χ^2/NDF:31.7/18

+ sign 33.659+/-21.722 χ^2/NDF: 35.5/36

All: -8.206+/-15.473 χ^2/NDF: 101.9/74

- sign -51.334+/-22.047 χ^2/NDF: 58.9/37

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 104.356+/-0.018 χ^2/NDF:655749.7/20

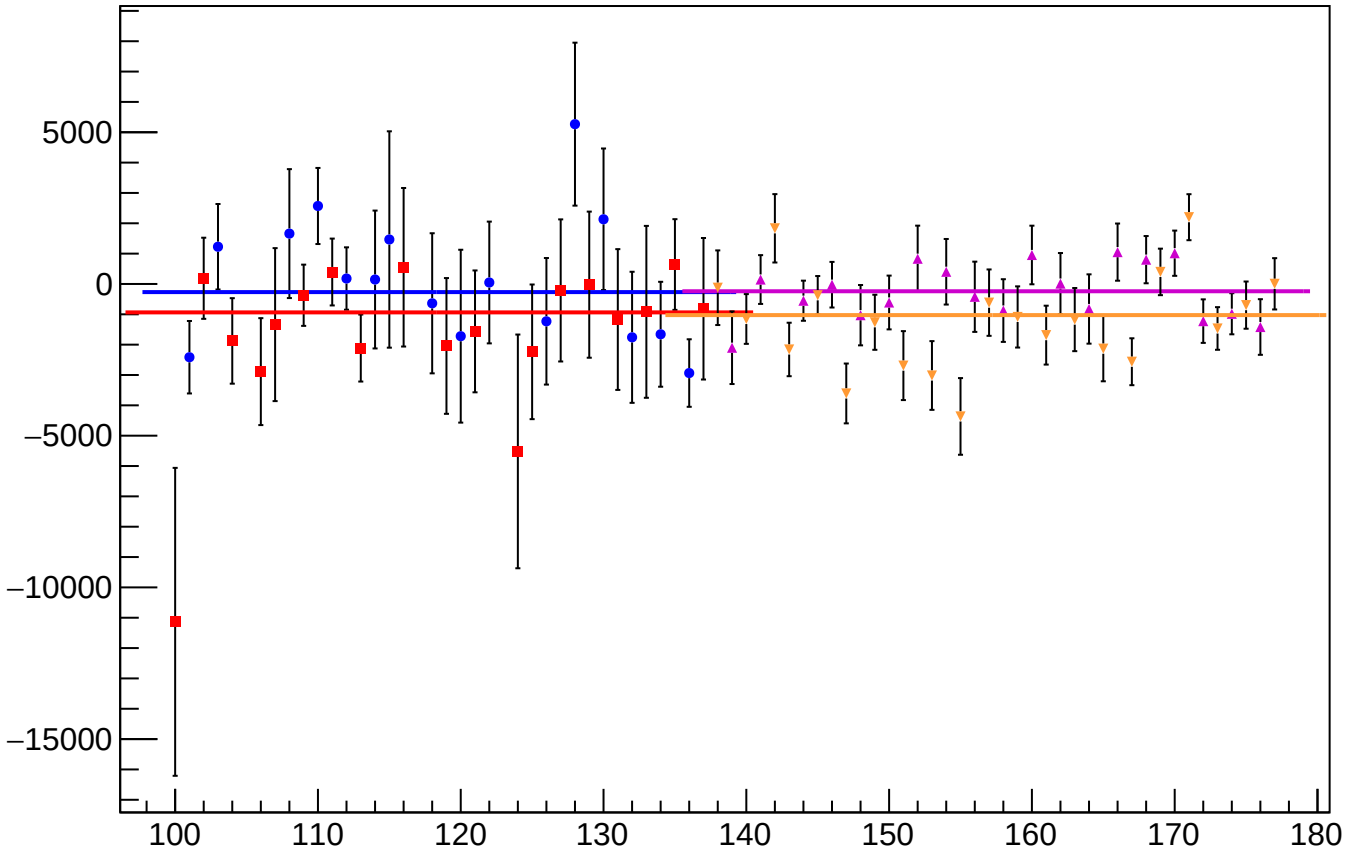
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 104.266+/-0.019 χ^2/NDF:308774.2/18

+ sign 103.324+/-0.015 χ^2/NDF: 1381870.6/36

All: 103.012+/-0.011 χ^2/NDF: 2592351.7/74

- sign 102.691+/-0.016 χ^2/NDF: 1209645.4/37



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1026.111+/-196.114 χ^2/NDF:58.1/20

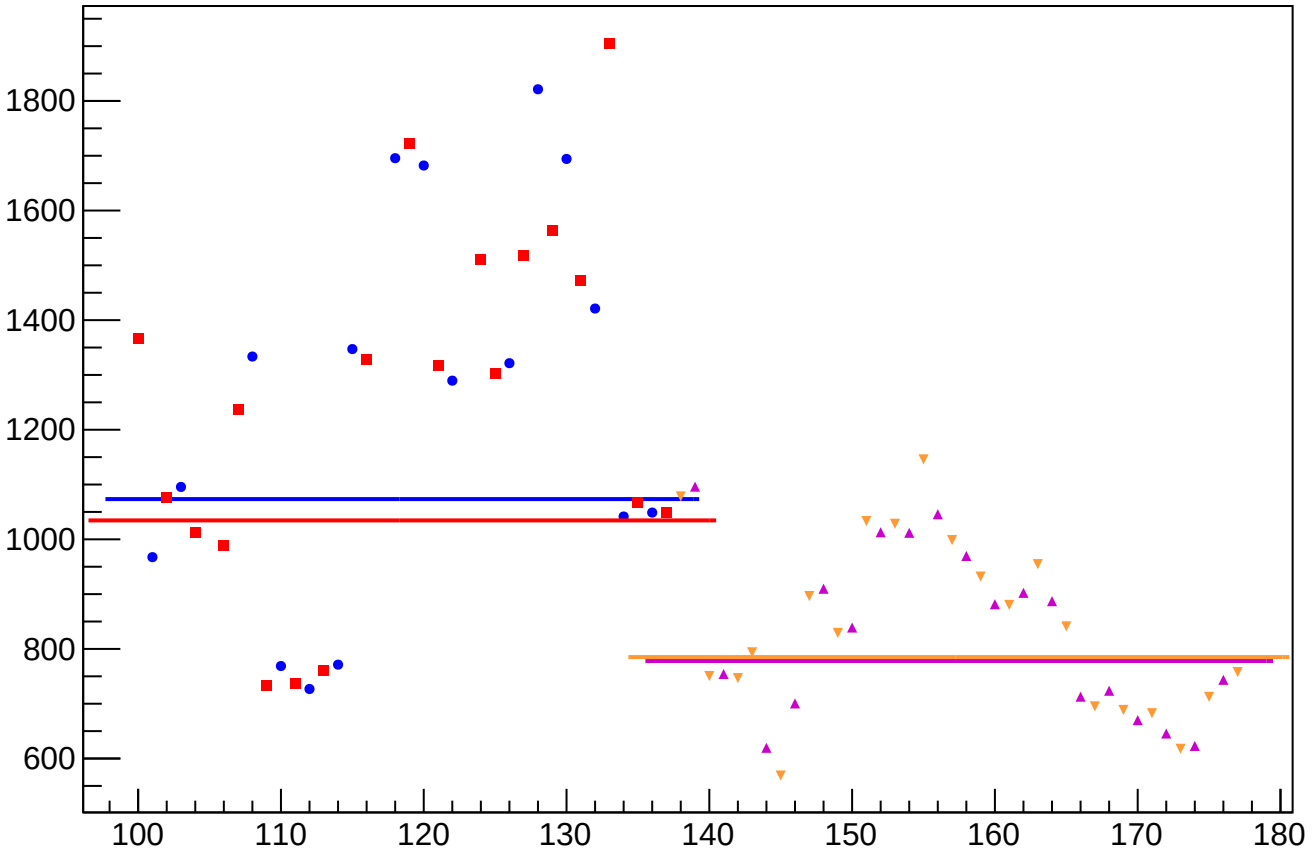
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -240.335+/-201.279 χ^2/NDF:18.6/18

+ sign -888.814+/-177.472 χ^2/NDF: 84.3/36

All: -638.801+/-126.186 χ^2/NDF: 122.5/74

- sign -383.177+/-179.453 χ^2/NDF: 34.2/37



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 785.110+/-0.139 χ^2/NDF:1158167.8/20

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

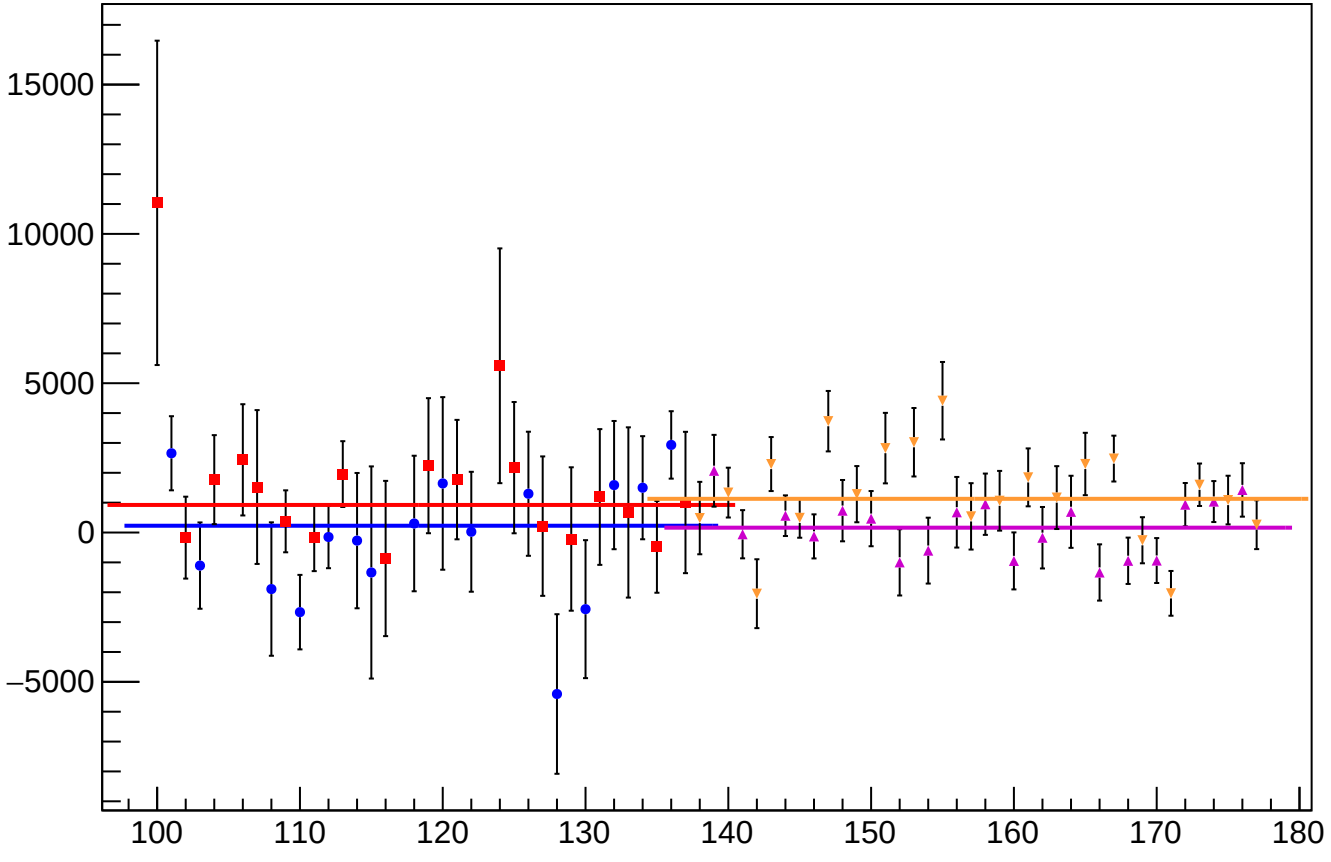
Left In: 777.953+/-0.142 χ^2/NDF:995175.9/18

+ sign 837.322+/-0.125 χ^2/NDF: 3018110.6/36

All: 833.989+/-0.089 χ^2/NDF: 5910679.4/74

- sign 830.581+/-0.127 χ^2/NDF: 2891142.2/37

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1128.746+/-198.558 χ^2/NDF:56.1/20

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

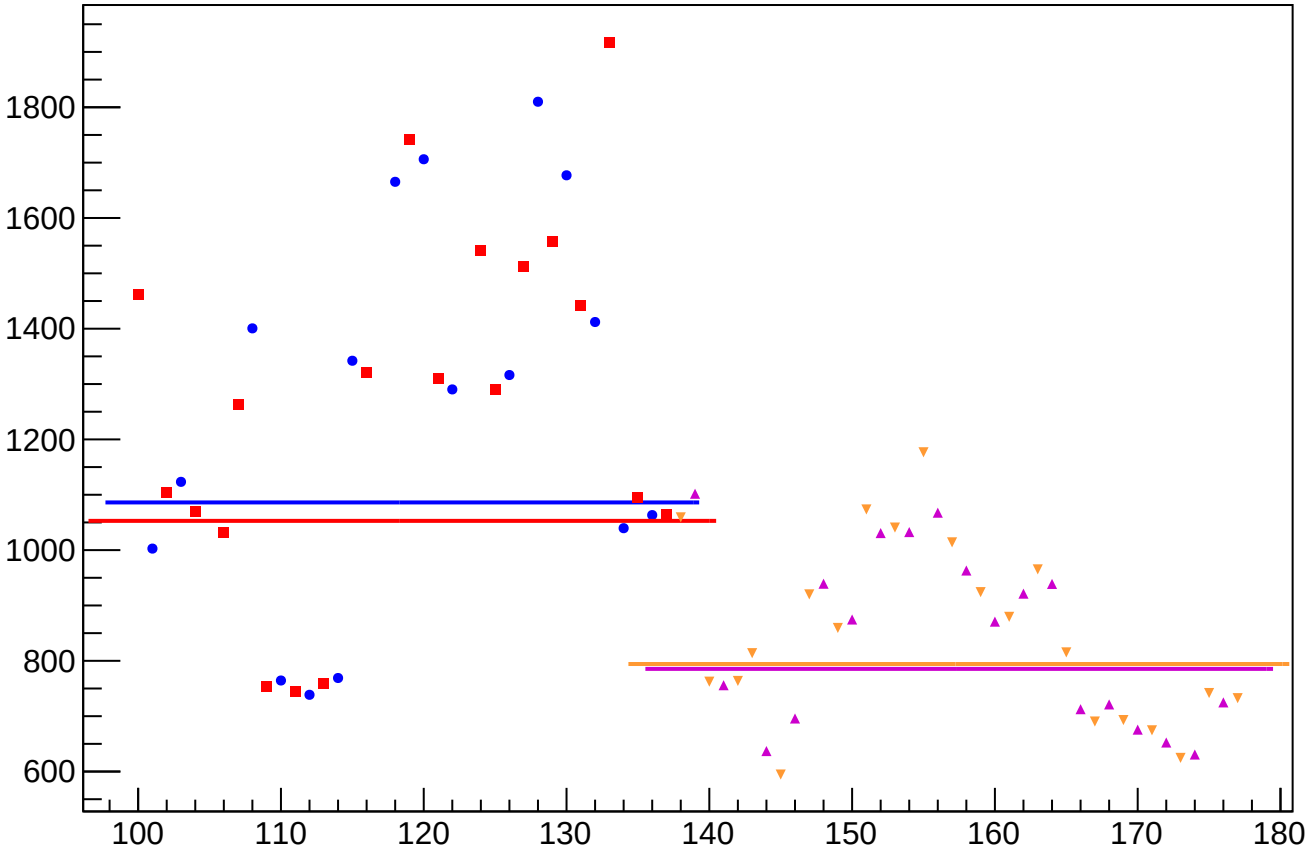
Left In: 162.386+/-203.280 χ^2/NDF:19.0/18

+ sign 965.286+/-179.651 χ^2/NDF: 84.3/36

All: 644.340+/-127.683 χ^2/NDF: 123.8/74

- sign 316.730+/-181.507 χ^2/NDF: 33.0/37

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 794.259+/-0.140 χ^2/NDF:1136391.2/20

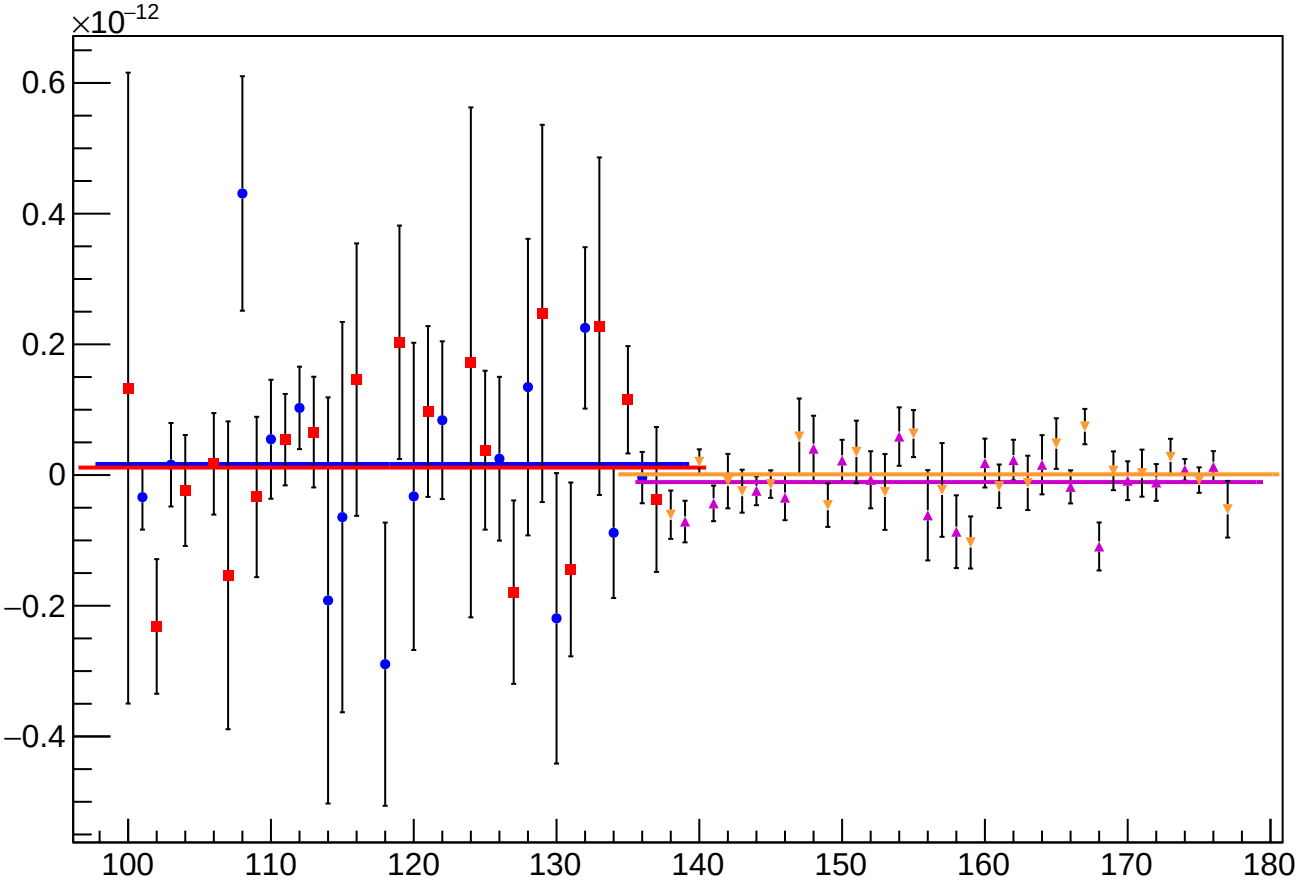
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 785.435+/-0.144 χ^2/NDF:1031081.1/18

+ sign 847.197+/-0.127 χ^2/NDF: 2967717.3/36

All: 843.462+/-0.090 χ^2/NDF: 5896592.1/74

- sign 839.649+/-0.128 χ^2/NDF: 2927127.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/20

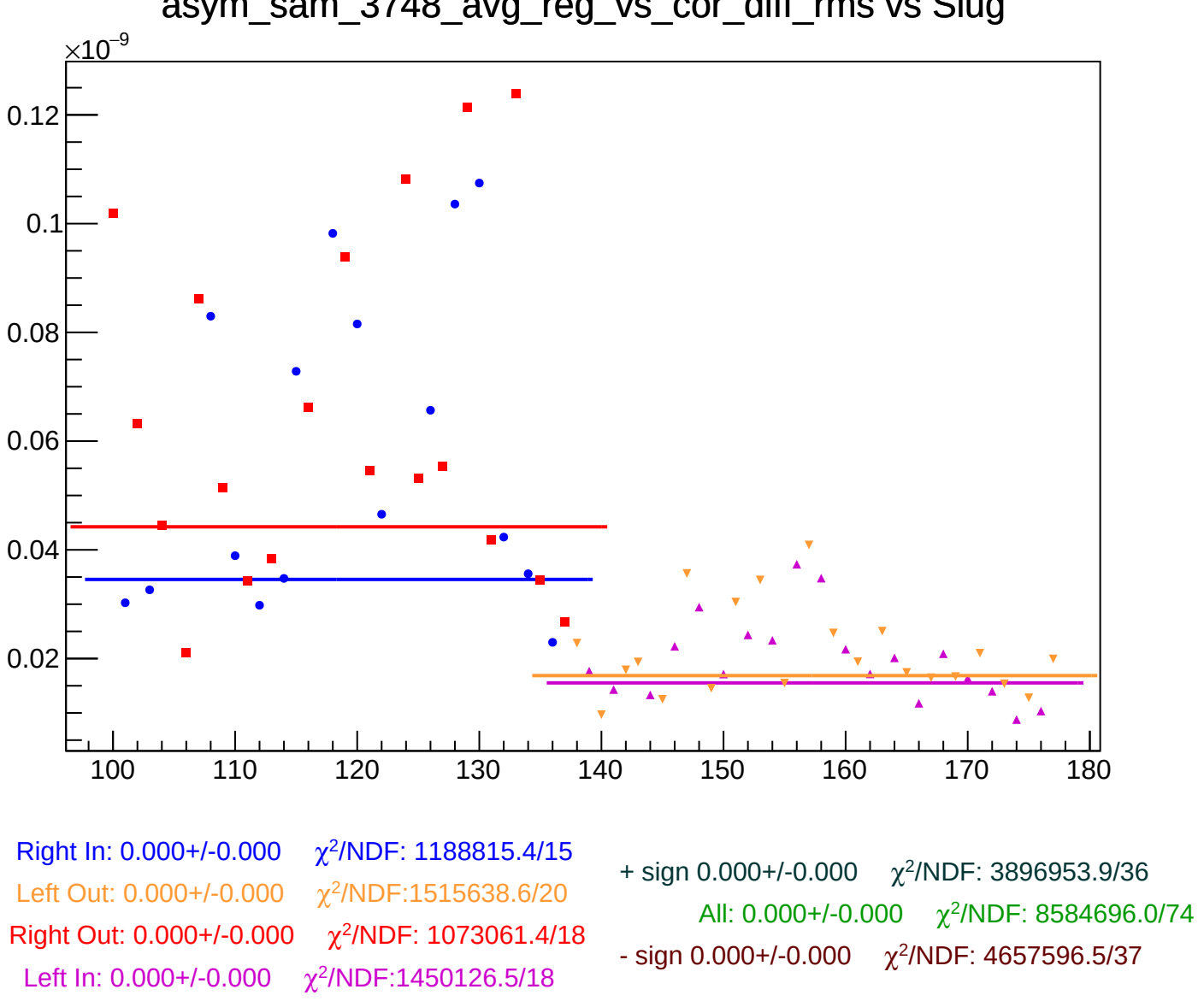
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/18

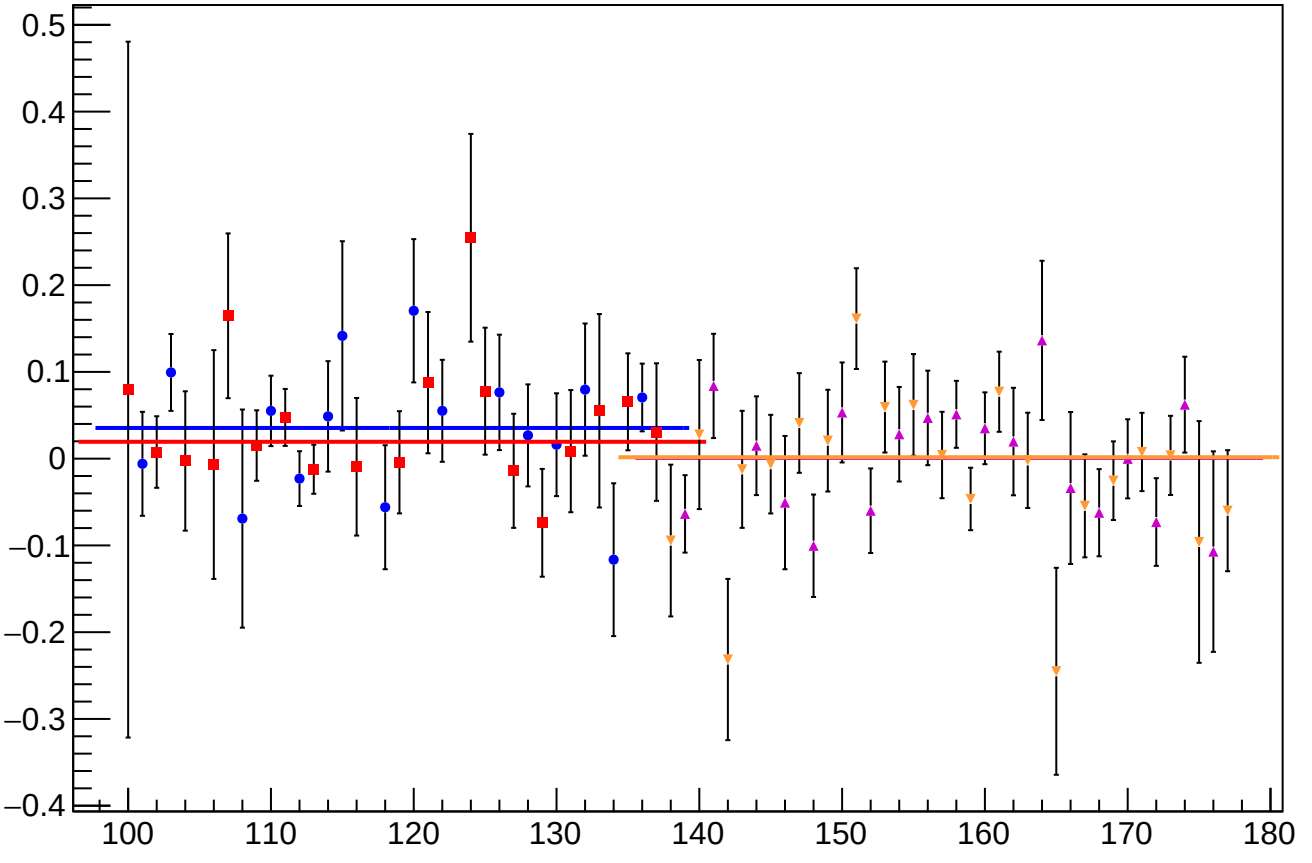
+ sign 0.000+/-0.000 χ^2/NDF: 47.8/36

All: -0.000+/-0.000 χ^2/NDF: 90.4/74

- sign -0.000+/-0.000 χ^2/NDF: 40.9/37


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:1515638.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:1450126.5/18
+ sign 0.000+/-0.000 χ²/NDF: 3896953.9/36
All: 0.000+/-0.000 χ²/NDF: 8584696.0/74
- sign 0.000+/-0.000 χ²/NDF: 4657596.5/37

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/20

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

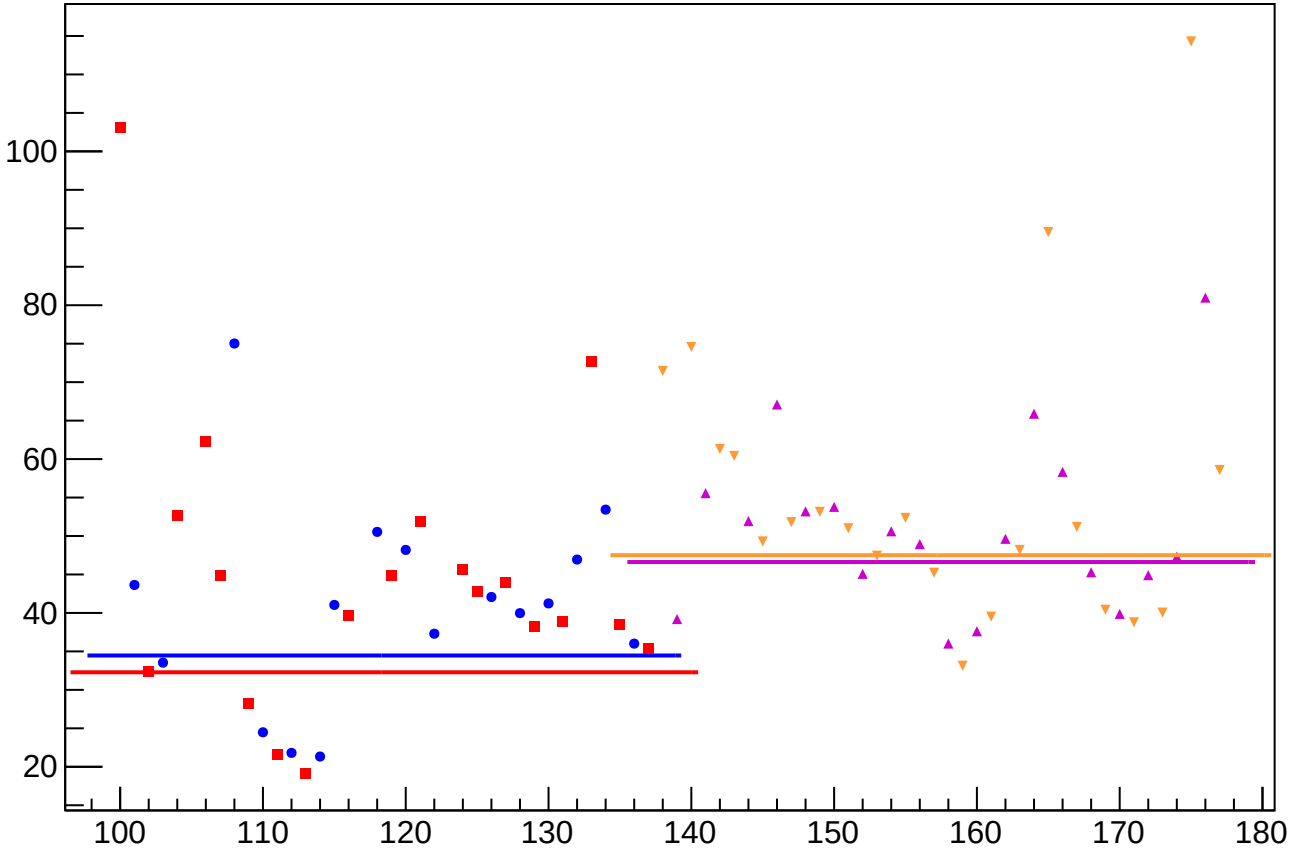
Left In: 0.001+/-0.013 χ^2/NDF:21.4/18

+ sign 0.017+/-0.009 χ^2/NDF: 49.6/36

All: 0.013+/-0.006 χ^2/NDF: 85.8/74

- sign 0.010+/-0.009 χ^2/NDF: 35.9/37

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844319.0/20

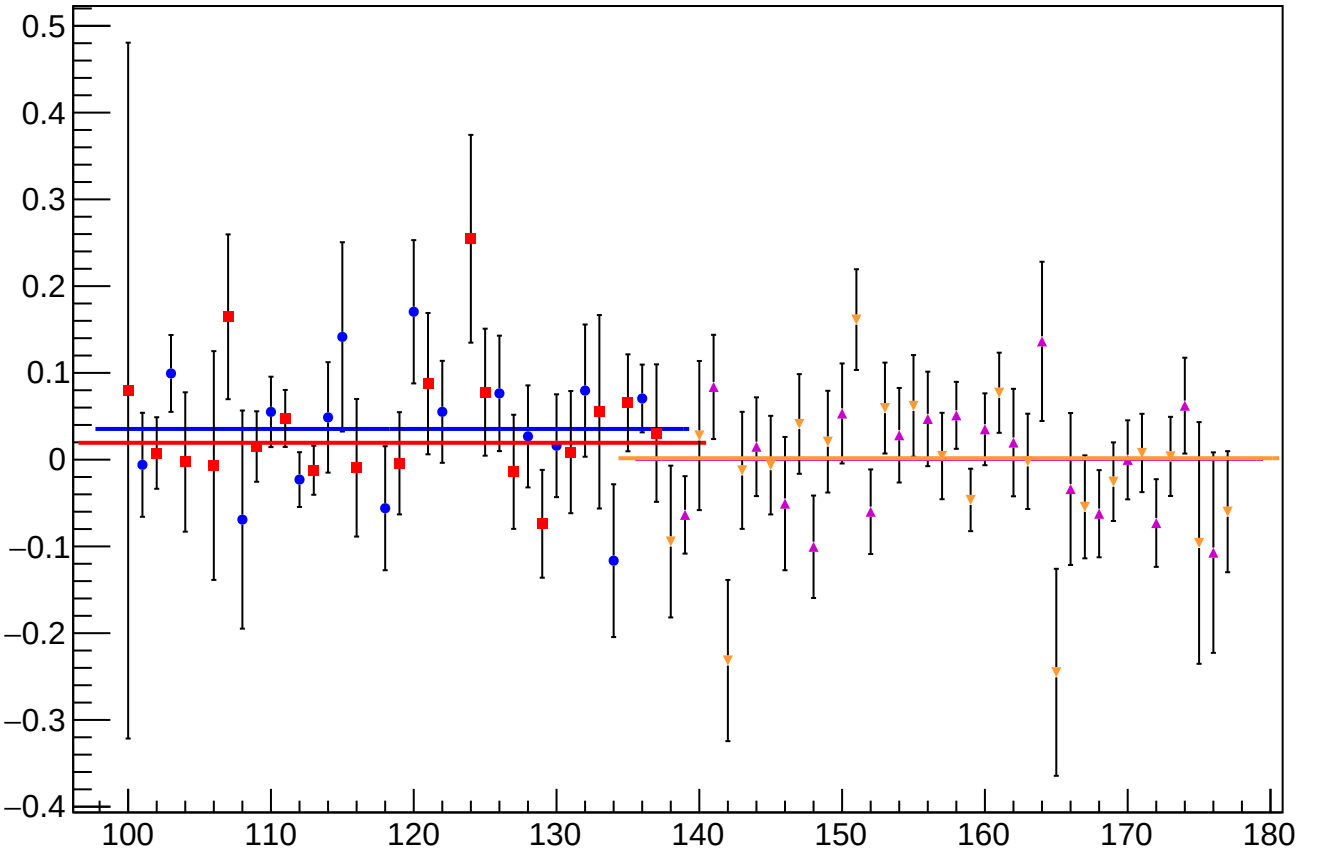
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.619+/-0.009 χ^2/NDF:930450.6/18

+ sign 41.725+/-0.007 χ^2/NDF: 3996290.6/36

All: 40.736+/-0.005 χ^2/NDF: 7893086.4/74

- sign 39.787+/-0.006 χ^2/NDF: 3852007.6/37



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/20

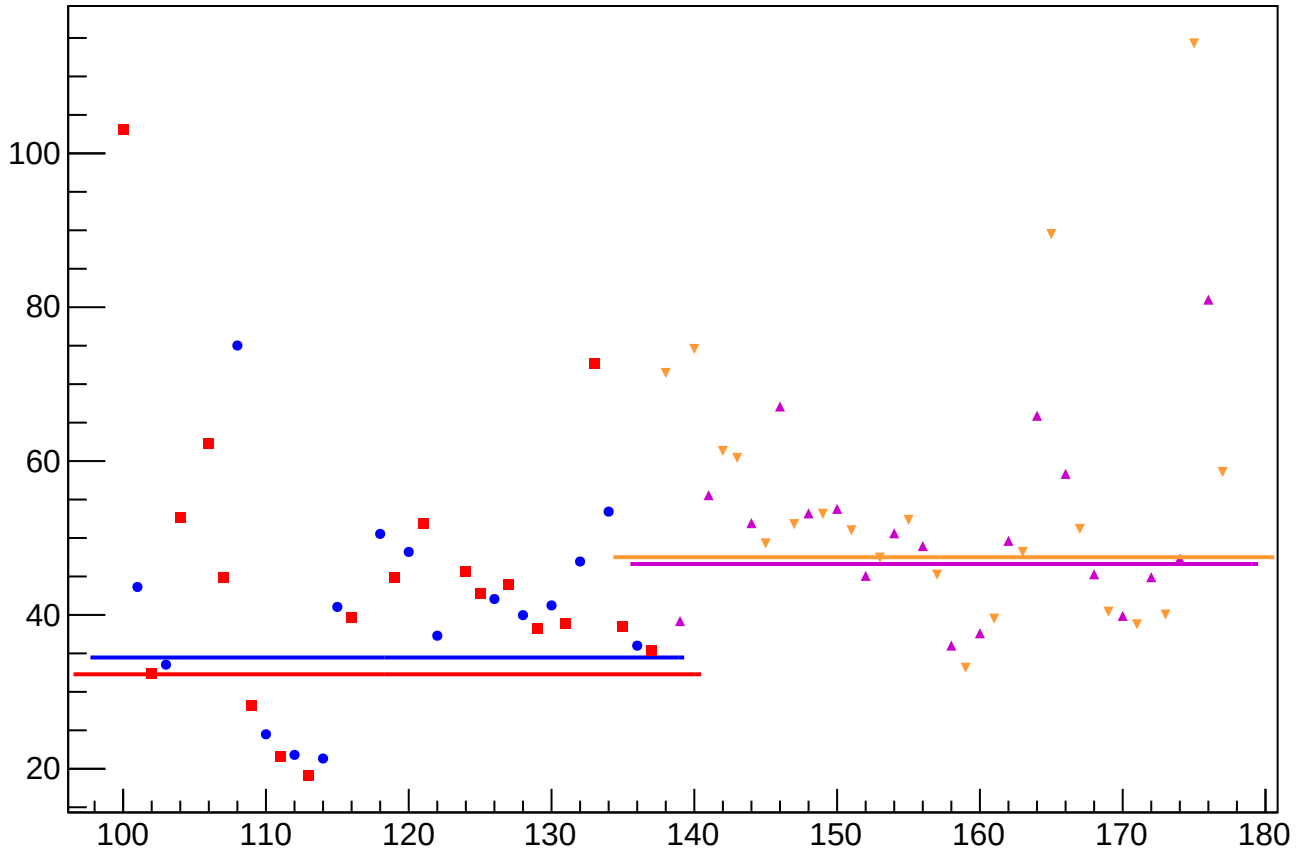
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:21.4/18

+ sign 0.017+/-0.009 χ^2/NDF: 49.6/36

All: 0.013+/-0.006 χ^2/NDF: 85.8/74

- sign 0.010+/-0.009 χ^2/NDF: 35.9/37



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844319.0/20

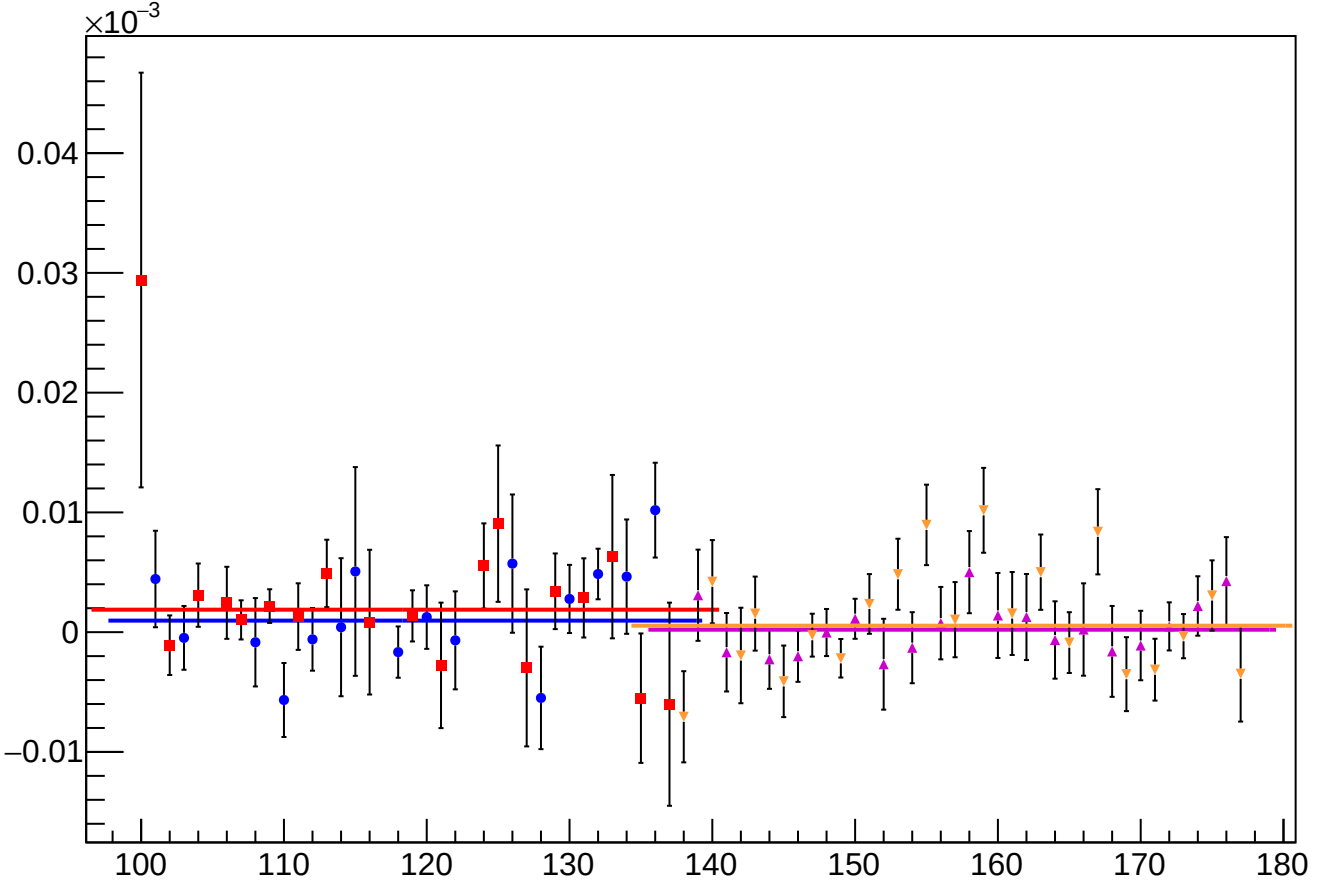
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.619+/-0.009 χ^2/NDF:930450.6/18

+ sign 41.725+/-0.007 χ^2/NDF: 3996290.6/36

All: 40.736+/-0.005 χ^2/NDF: 7893086.4/74

- sign 39.787+/-0.006 χ^2/NDF: 3852007.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.4/20

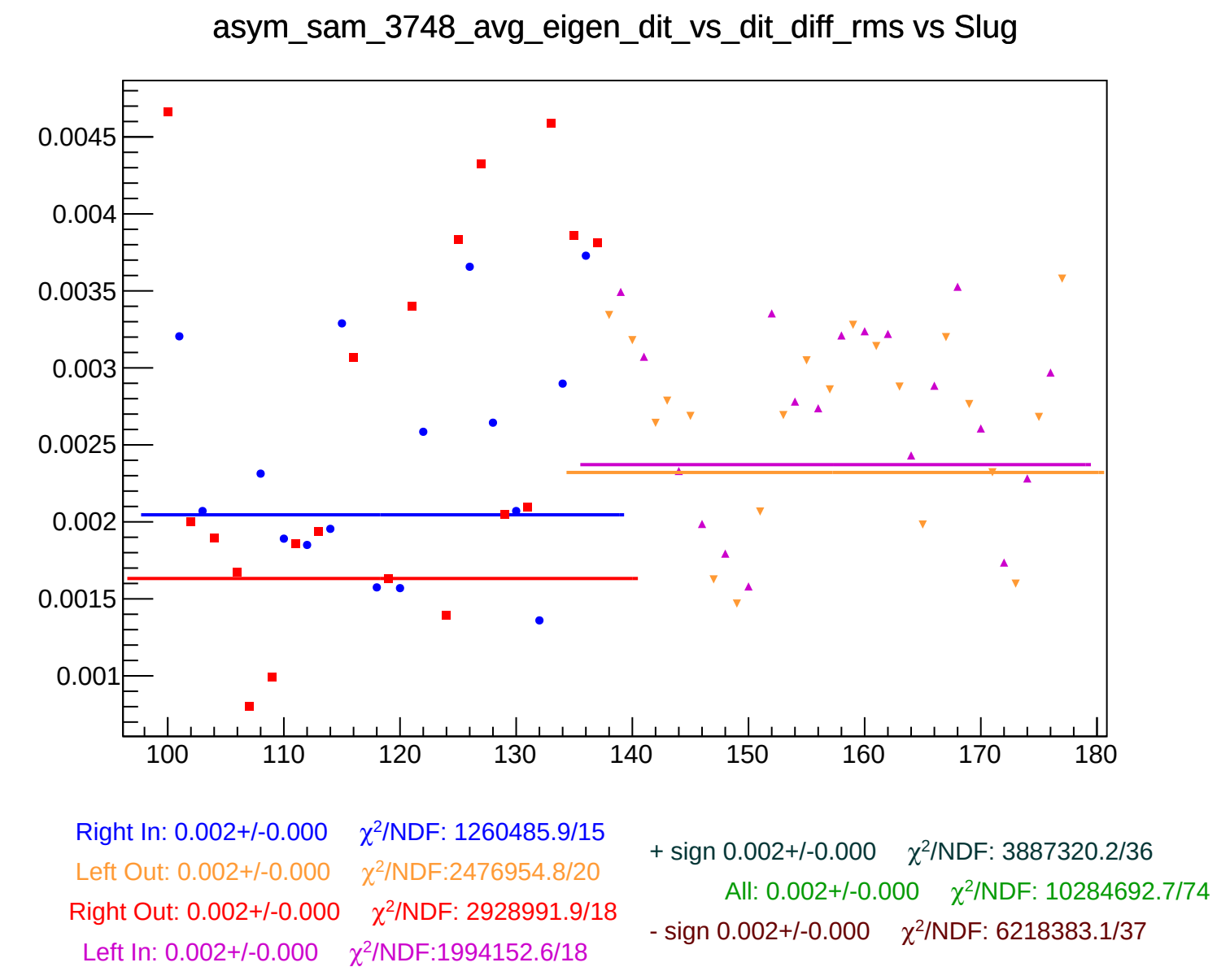
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

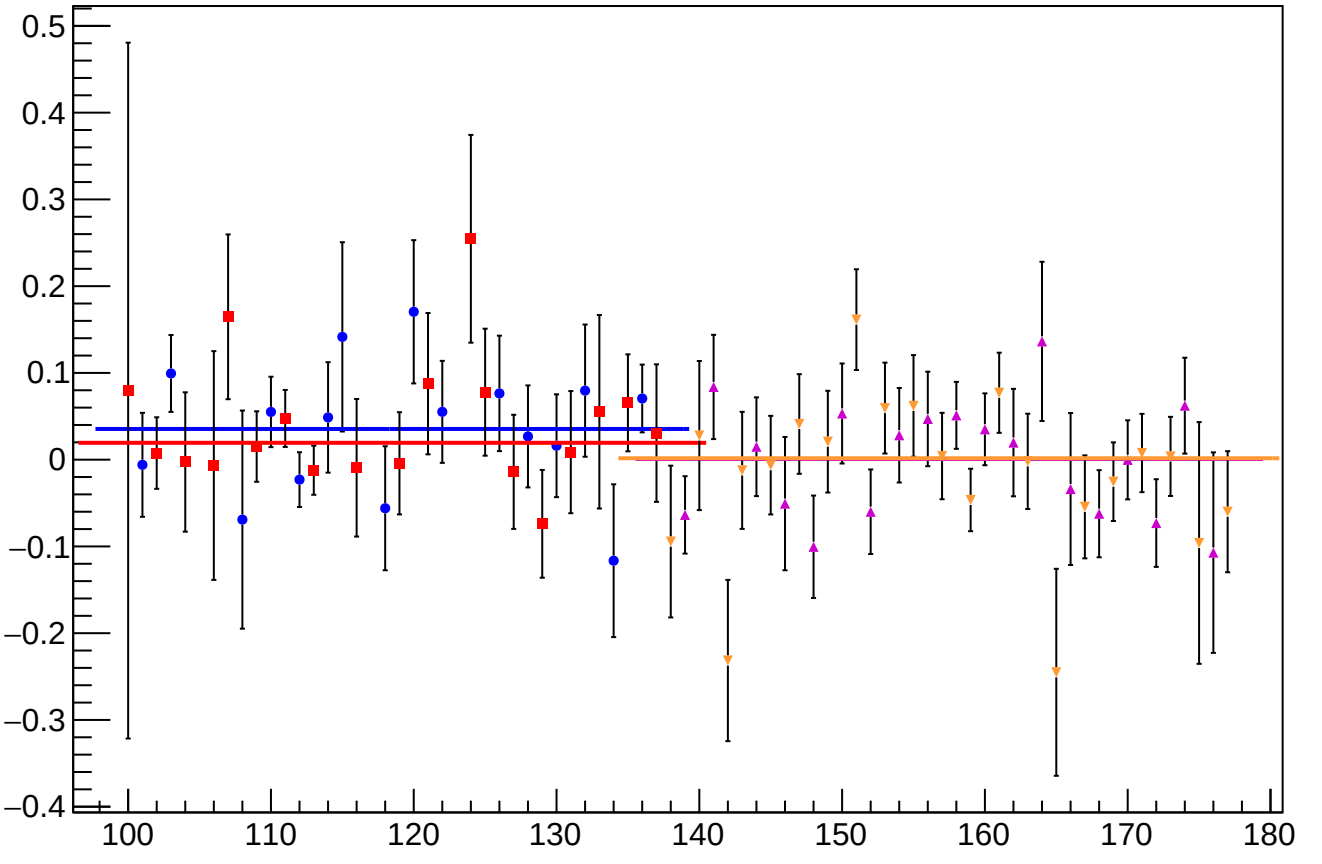
Left In: 0.000+/-0.000 χ^2/NDF:8.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/36

All: 0.000+/-0.000 χ^2/NDF: 86.6/74

- sign 0.000+/-0.000 χ^2/NDF: 24.9/37


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:2476954.8/20
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1994152.6/18
+ sign 0.002+/-0.000 χ²/NDF: 3887320.2/36
All: 0.002+/-0.000 χ²/NDF: 10284692.7/74
- sign 0.002+/-0.000 χ²/NDF: 6218383.1/37



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/20

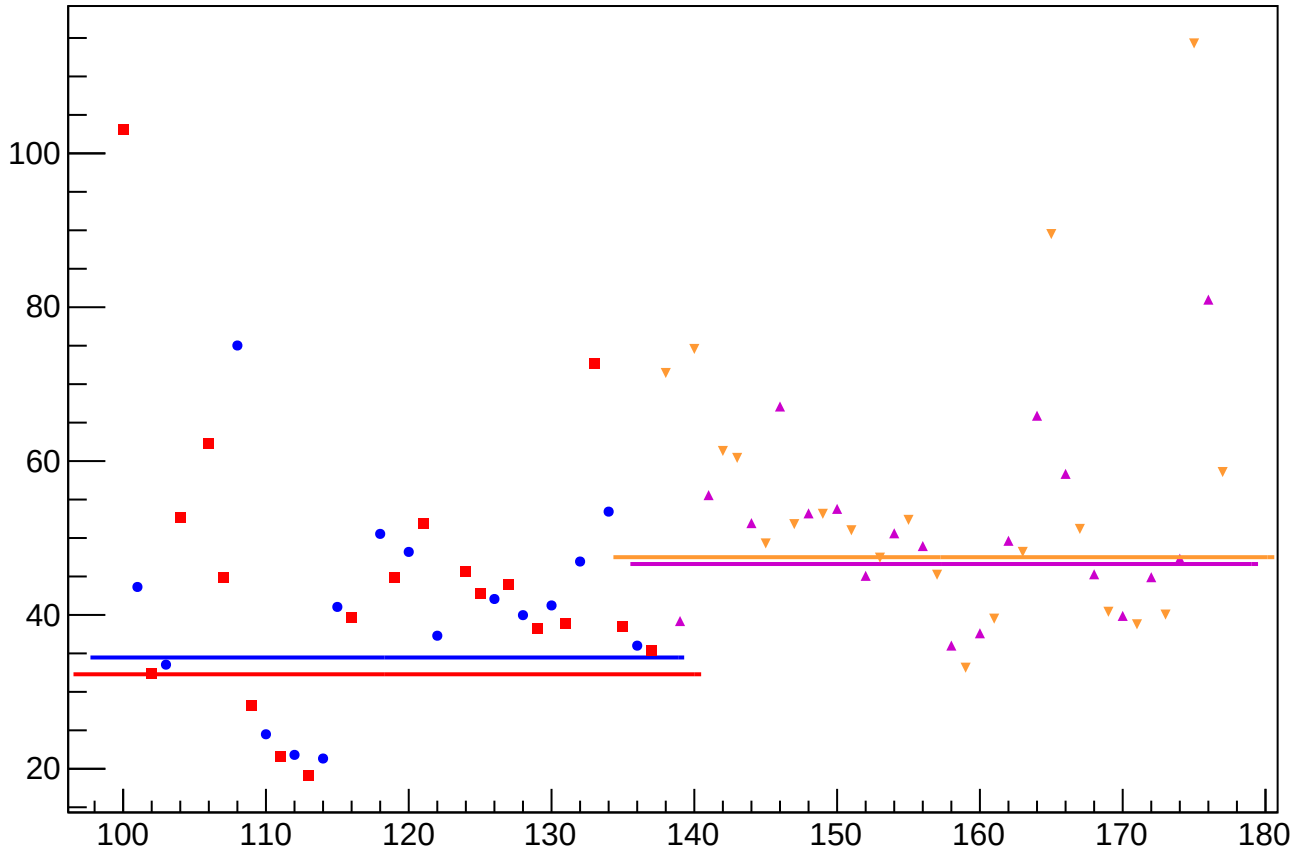
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:21.4/18

+ sign 0.017+/-0.009 χ^2/NDF: 49.6/36

All: 0.013+/-0.006 χ^2/NDF: 85.8/74

- sign 0.010+/-0.009 χ^2/NDF: 35.9/37



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844307.4/20

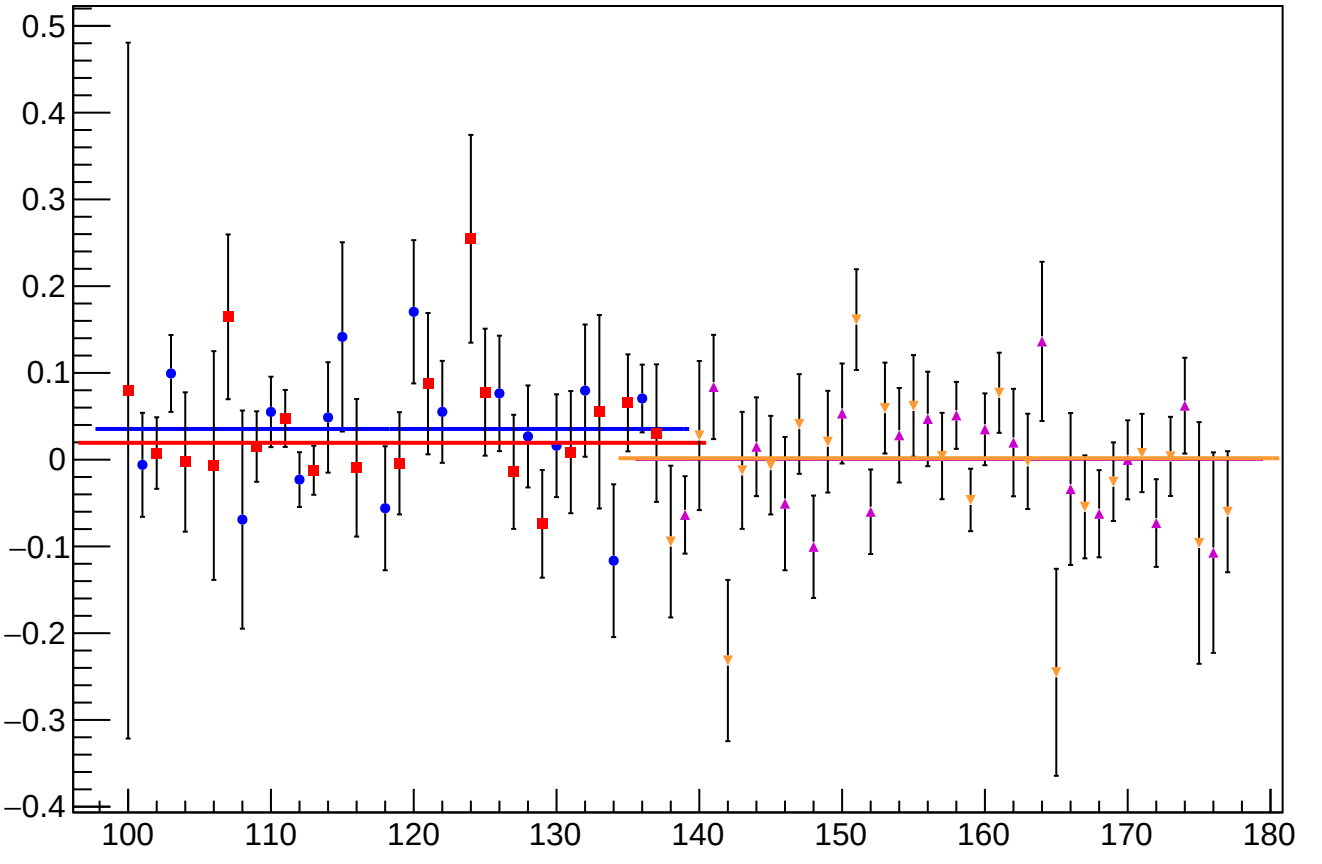
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.619+/-0.009 χ^2/NDF:930466.5/18

+ sign 41.725+/-0.007 χ^2/NDF: 3996247.2/36

All: 40.736+/-0.005 χ^2/NDF: 7893029.8/74

- sign 39.788+/-0.006 χ^2/NDF: 3851995.4/37



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/20

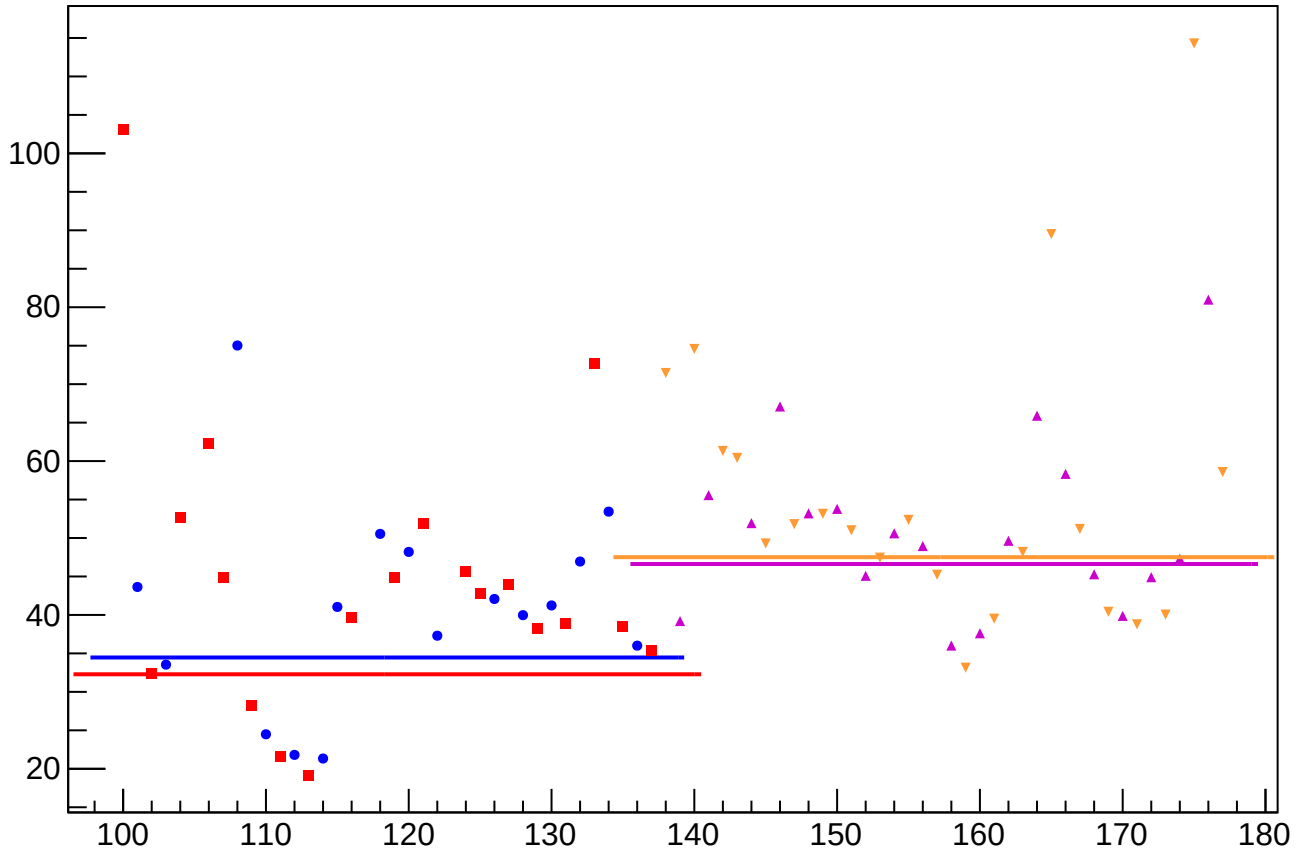
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:21.4/18

+ sign 0.017+/-0.009 χ^2/NDF: 49.6/36

All: 0.013+/-0.006 χ^2/NDF: 85.8/74

- sign 0.010+/-0.009 χ^2/NDF: 35.9/37



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844307.4/20

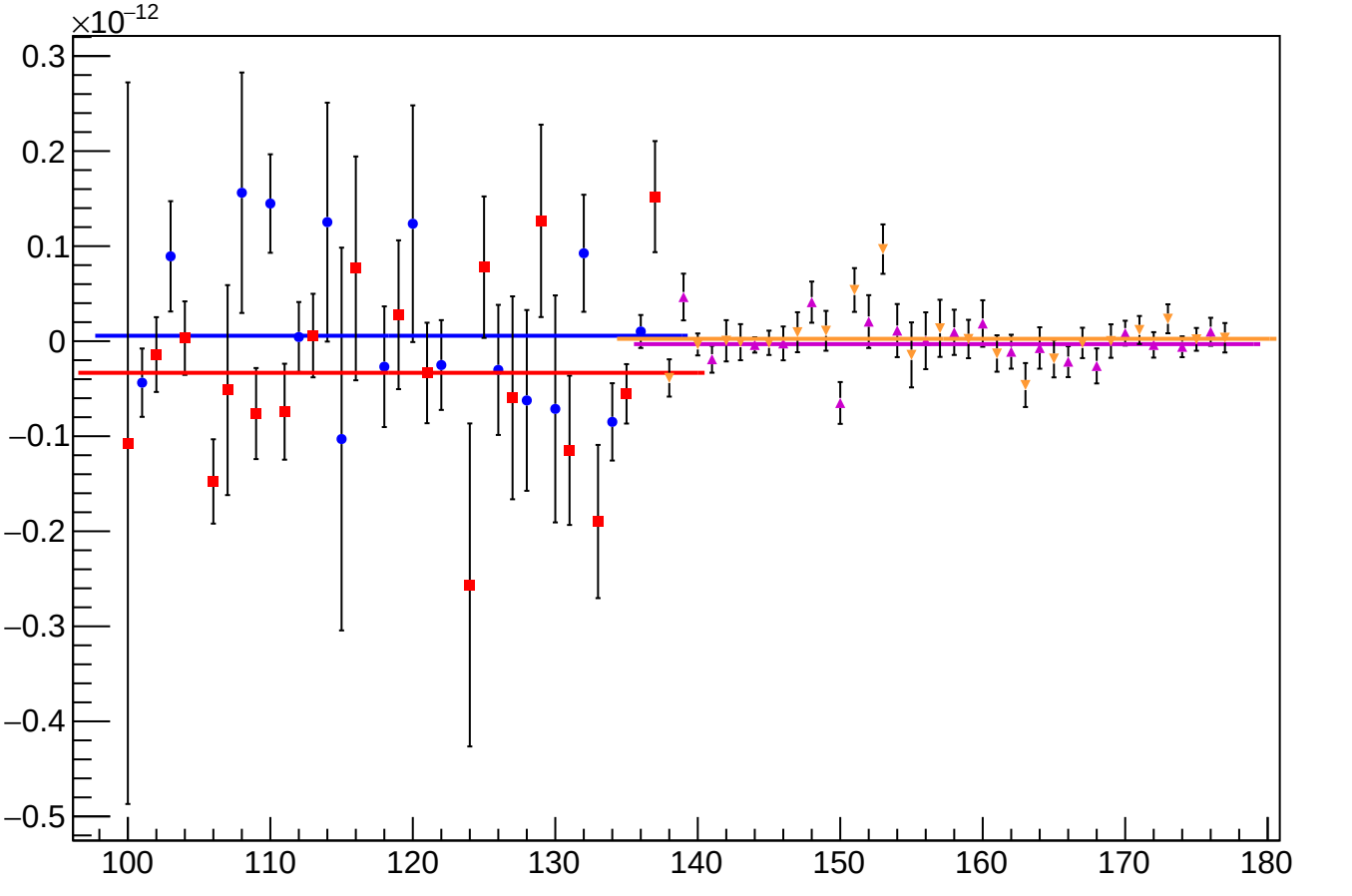
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.619+/-0.009 χ^2/NDF:930466.5/18

+ sign 41.725+/-0.007 χ^2/NDF: 3996247.2/36

All: 40.736+/-0.005 χ^2/NDF: 7893029.8/74

- sign 39.788+/-0.006 χ^2/NDF: 3851995.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/20

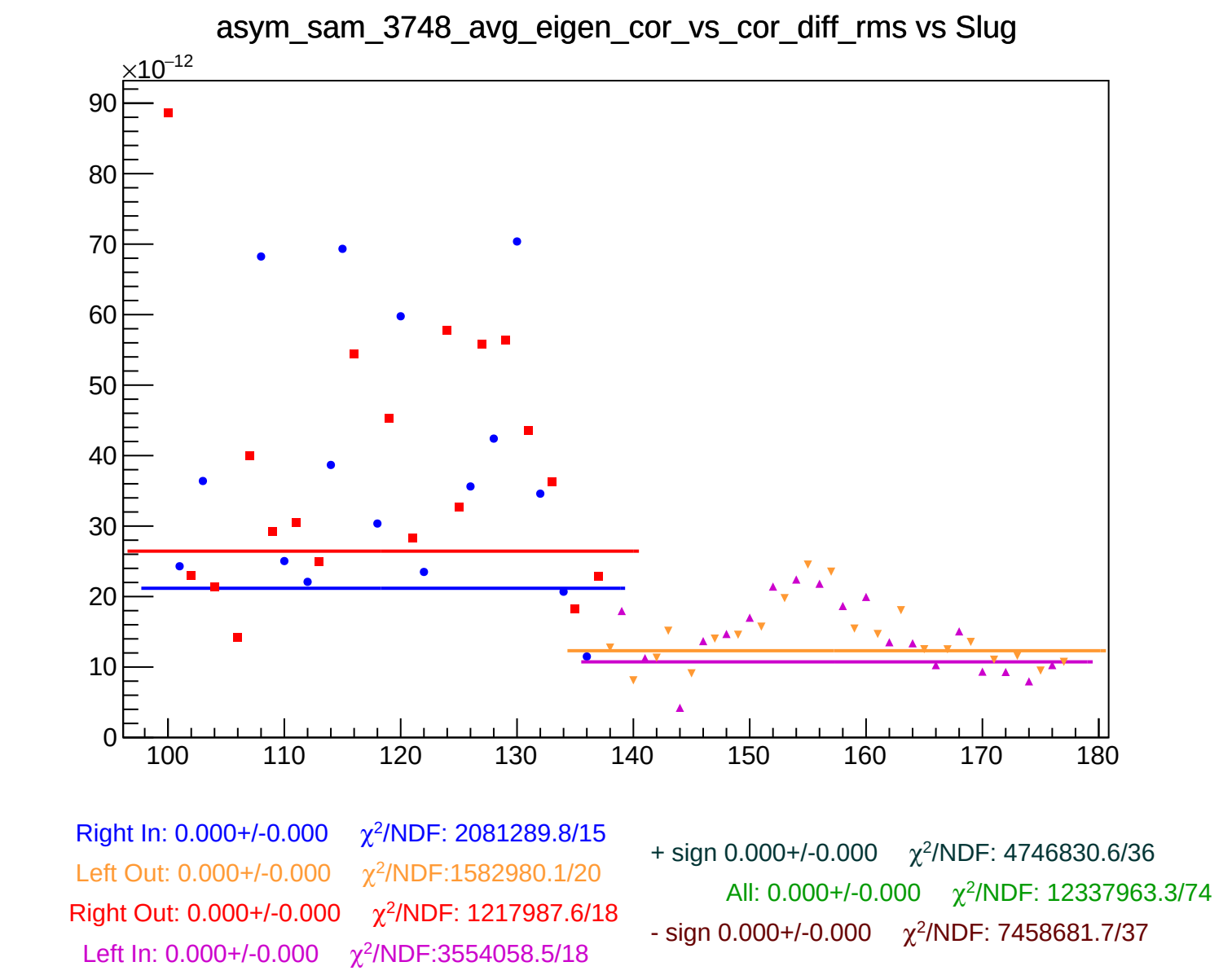
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:24.2/18

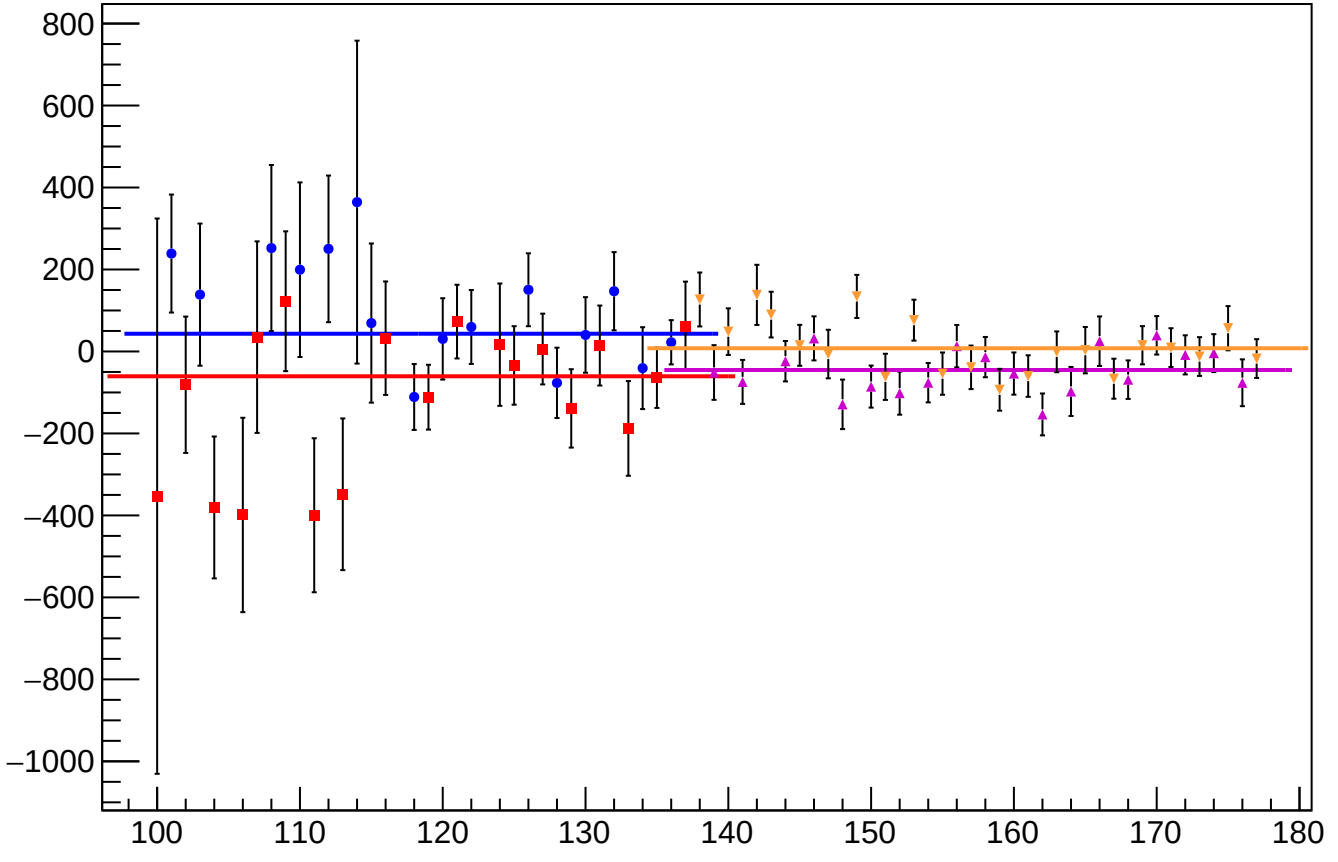
+ sign 0.000+/-0.000 χ^2/NDF: 55.9/36

All: -0.000+/-0.000 χ^2/NDF: 121.0/74

- sign -0.000+/-0.000 χ^2/NDF: 62.6/37


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:1582980.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3554058.5/18
+ sign 0.000+/-0.000 χ²/NDF: 4746830.6/36
All: 0.000+/-0.000 χ²/NDF: 12337963.3/74
- sign 0.000+/-0.000 χ²/NDF: 7458681.7/37

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.837+/-11.472 χ^2/NDF:30.0/20

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

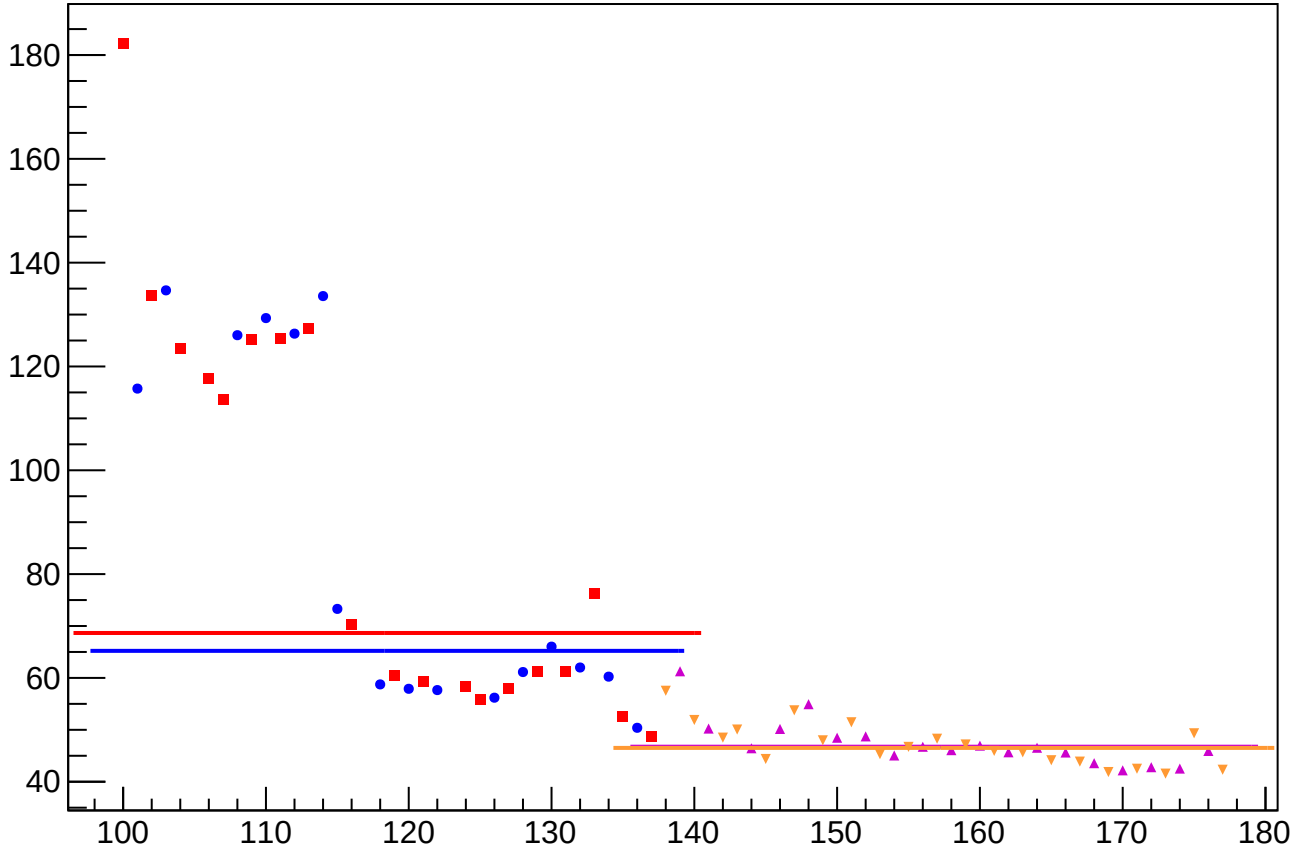
Left In: -45.209+/-11.949 χ^2/NDF:20.2/18

+ sign 13.689+/-10.481 χ^2/NDF: 46.5/36

All: -15.767+/-7.562 χ^2/NDF: 103.9/74

- sign -47.743+/-10.920 χ^2/NDF: 40.9/37

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.515+/-0.008 χ^2/NDF:225455.8/20

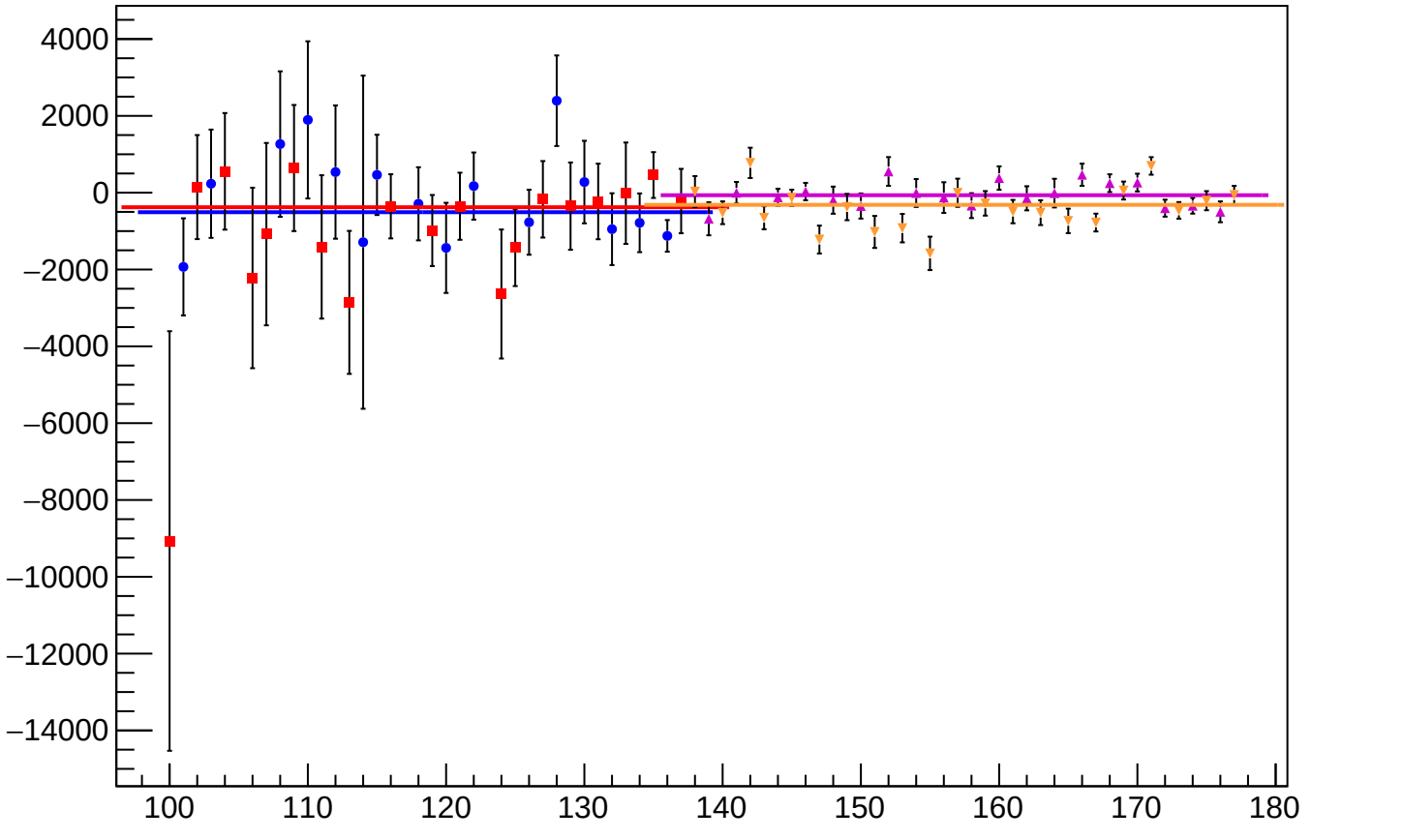
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

+ sign 49.605+/-0.007 χ^2/NDF: 2550106.1/36

All: 49.967+/-0.005 χ^2/NDF: 5520874.9/74

- sign 50.361+/-0.008 χ^2/NDF: 2965781.9/37



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -316.524+/-63.235 χ^2/NDF:62.1/20

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

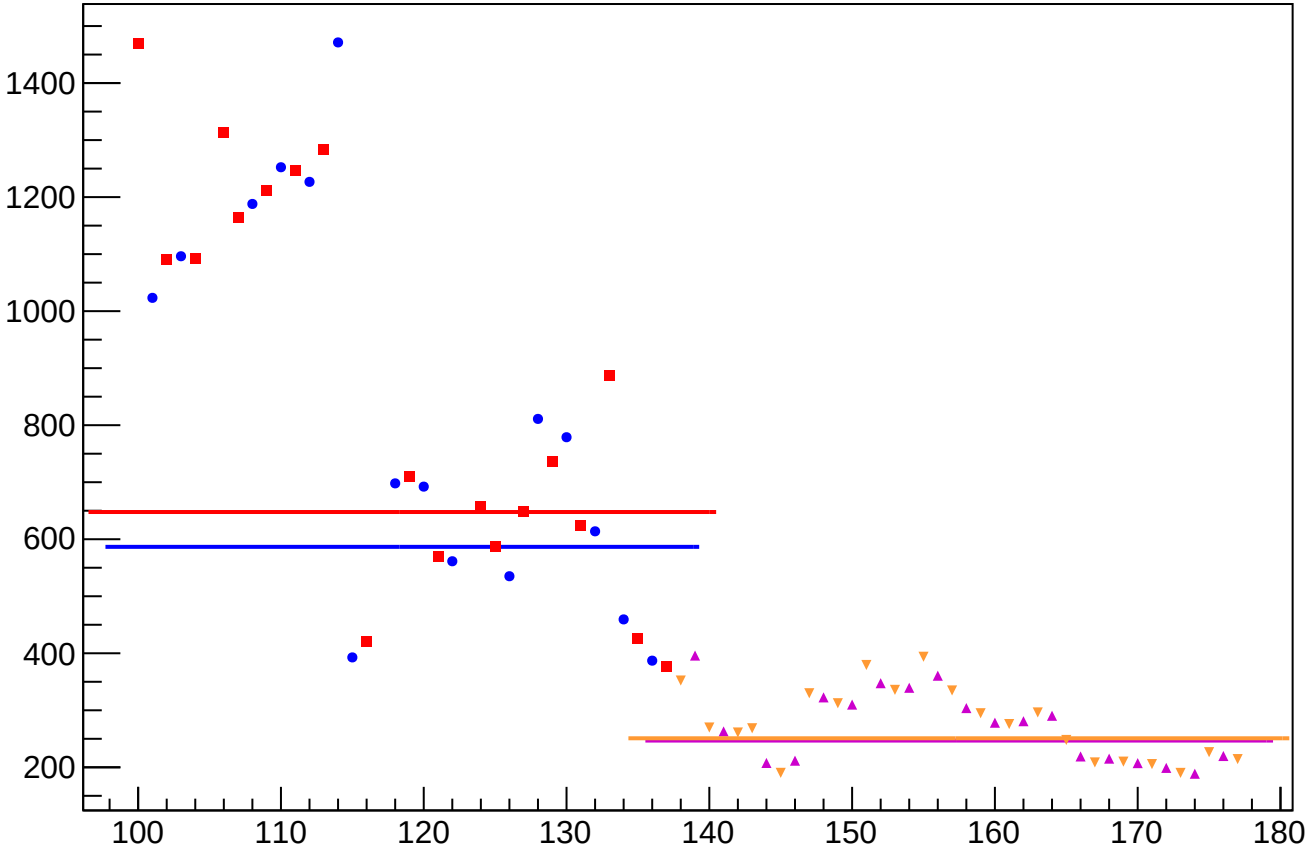
Left In: -65.757+/-64.466 χ^2/NDF:22.8/18

+ sign -329.250+/-61.096 χ^2/NDF: 78.4/36

All: -209.633+/-43.696 χ^2/NDF: 122.1/74

- sign -84.374+/-62.520 χ^2/NDF: 35.9/37

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 250.905+/-0.045 χ^2/NDF:1598966.0/20

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

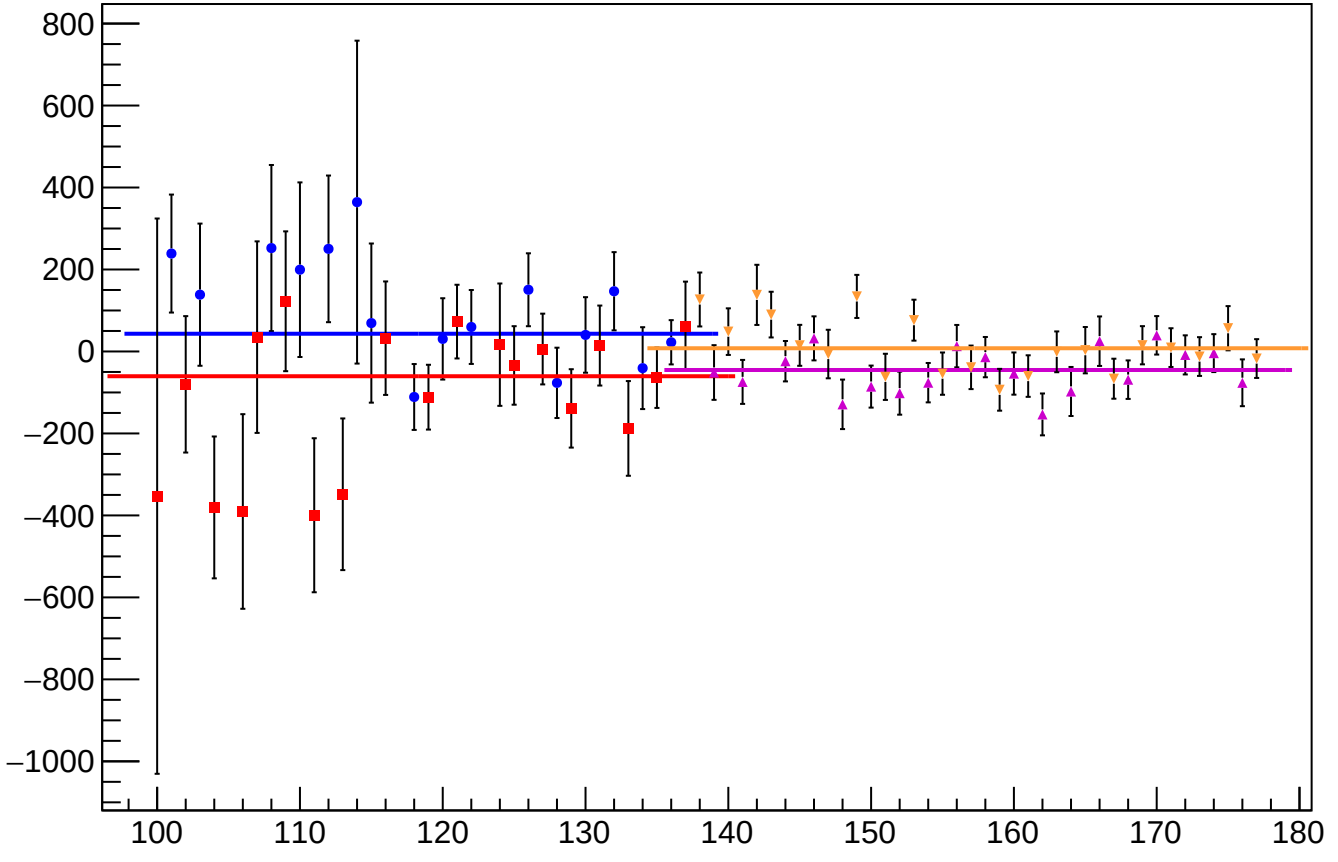
Left In: 246.909+/-0.046 χ^2/NDF:1480886.9/18

+ sign 273.227+/-0.043 χ^2/NDF: 7400646.0/36

All: 272.013+/-0.031 χ^2/NDF: 15585666.6/74

- sign 270.740+/-0.044 χ^2/NDF: 8183401.6/37

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.837+/-11.472 χ^2/NDF:30.0/20

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

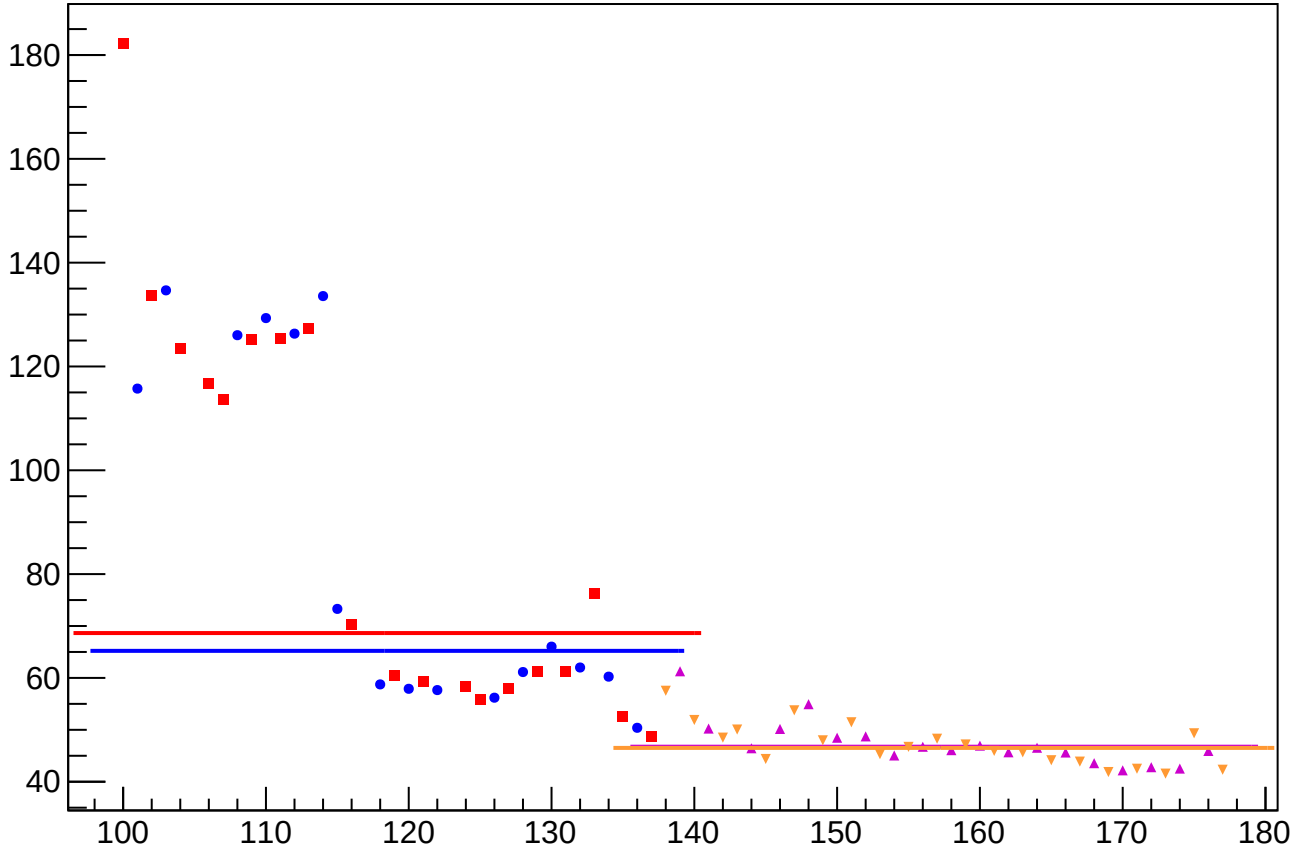
Left In: -45.208+/-11.949 χ^2/NDF:20.2/18

+ sign 13.688+/-10.481 χ^2/NDF: 46.5/36

All: -15.755+/-7.562 χ^2/NDF: 103.7/74

- sign -47.718+/-10.920 χ^2/NDF: 40.8/37

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.515+/-0.008 χ^2/NDF:225455.8/20

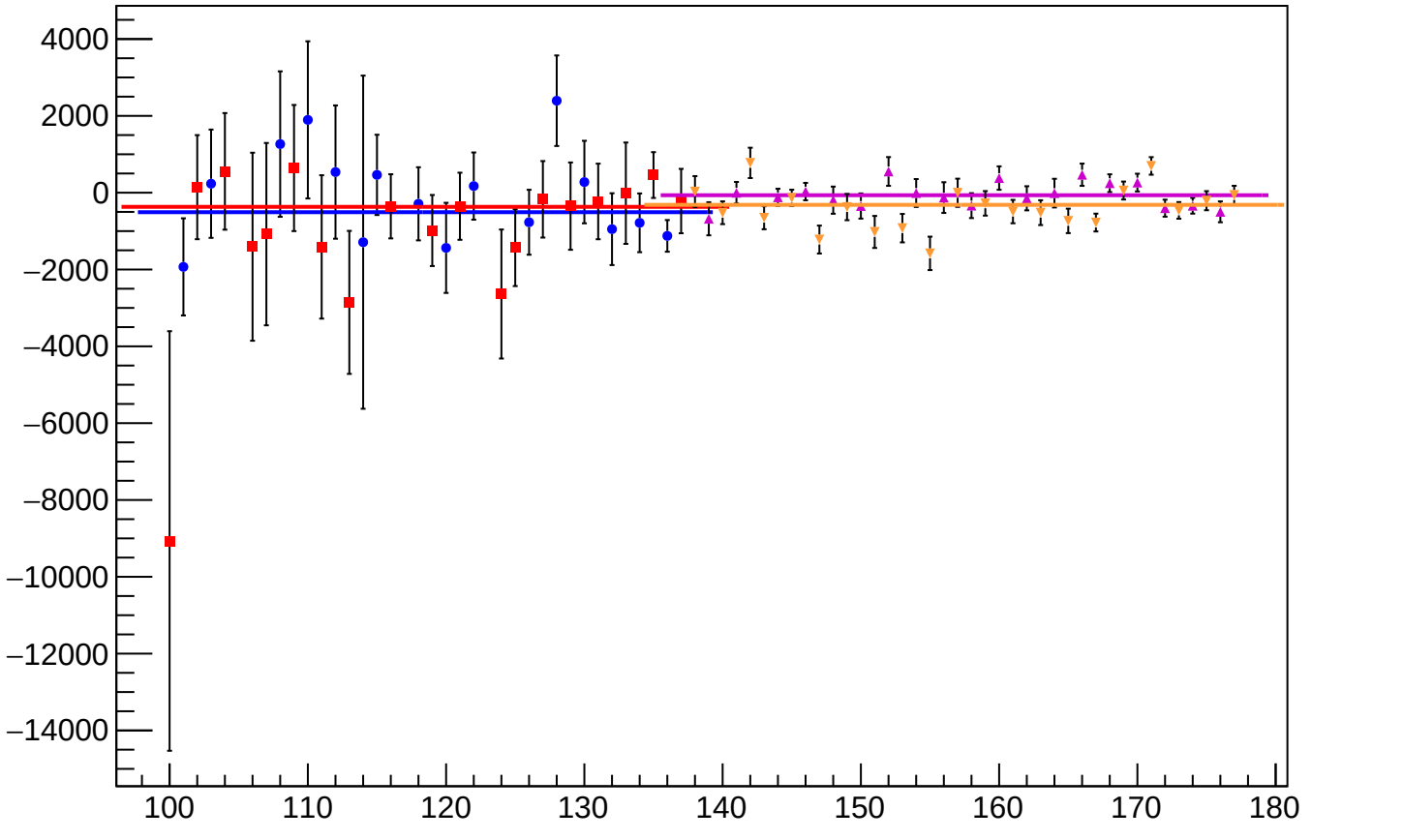
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

+ sign 49.605+/-0.007 χ^2/NDF: 2550108.1/36

All: 49.966+/-0.005 χ^2/NDF: 5515989.2/74

- sign 50.358+/-0.008 χ^2/NDF: 2960927.8/37



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -316.522+/-63.235 χ^2/NDF:62.1/20

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

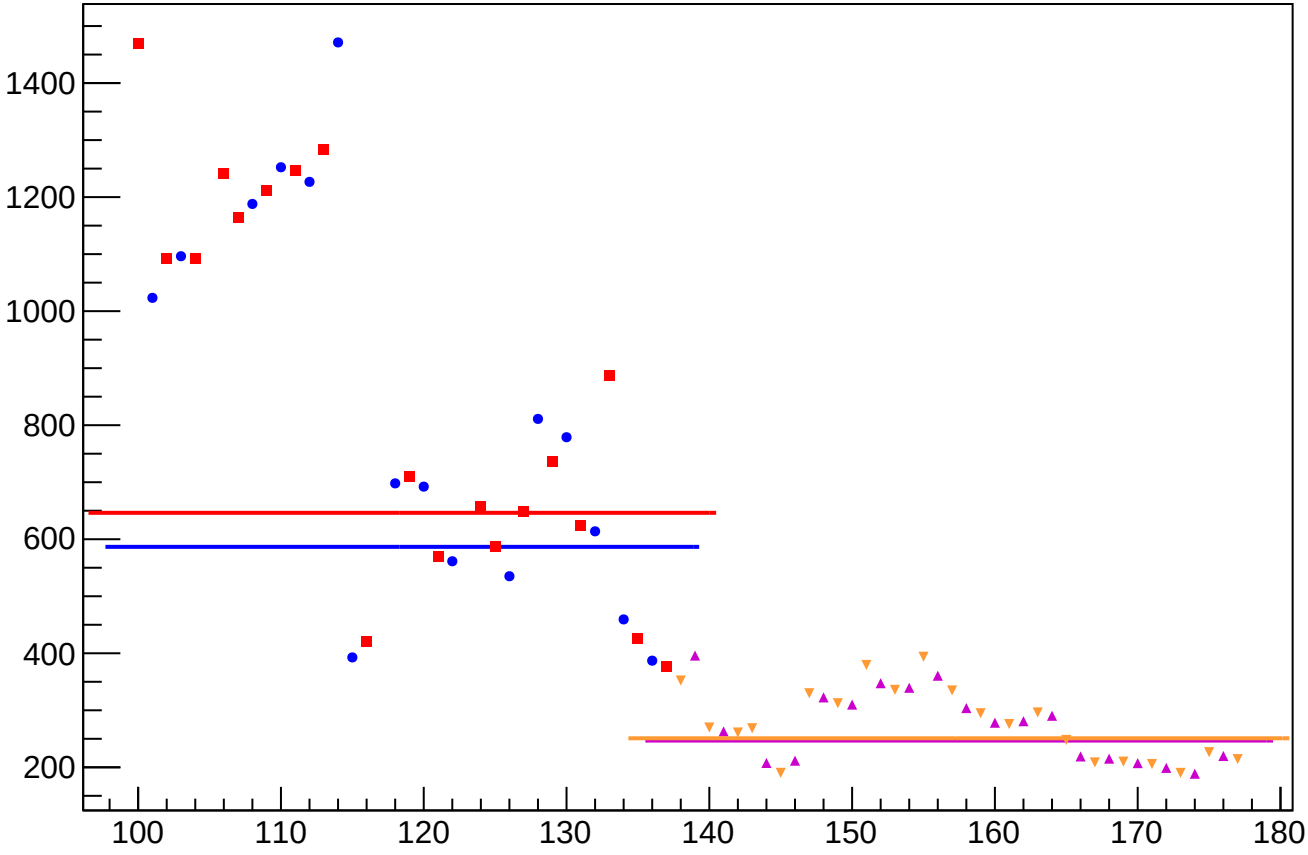
Left In: -65.755+/-64.466 χ^2/NDF:22.8/18

+ sign -329.247+/-61.096 χ^2/NDF: 78.4/36

All: -209.319+/-43.697 χ^2/NDF: 121.6/74

- sign -83.728+/-62.522 χ^2/NDF: 35.4/37

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 250.905+/-0.045 χ^2/NDF:1598977.0/20

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

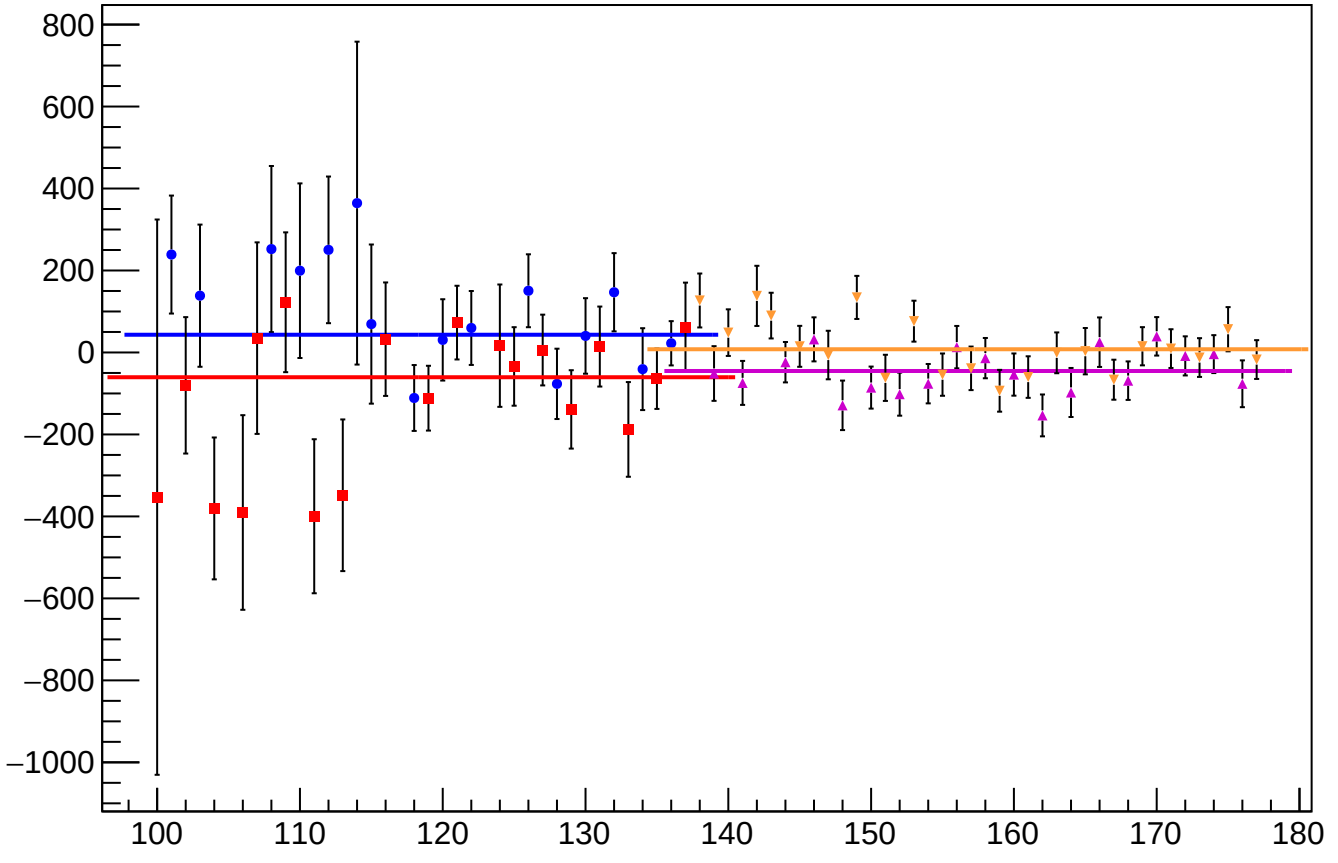
Left In: 246.909+/-0.046 χ^2/NDF:1480881.8/18

+ sign 273.227+/-0.043 χ^2/NDF: 7400684.5/36

All: 271.961+/-0.031 χ^2/NDF: 15506897.6/74

- sign 270.635+/-0.044 χ^2/NDF: 8104454.2/37

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.837+/-11.472 χ^2/NDF:30.0/20

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

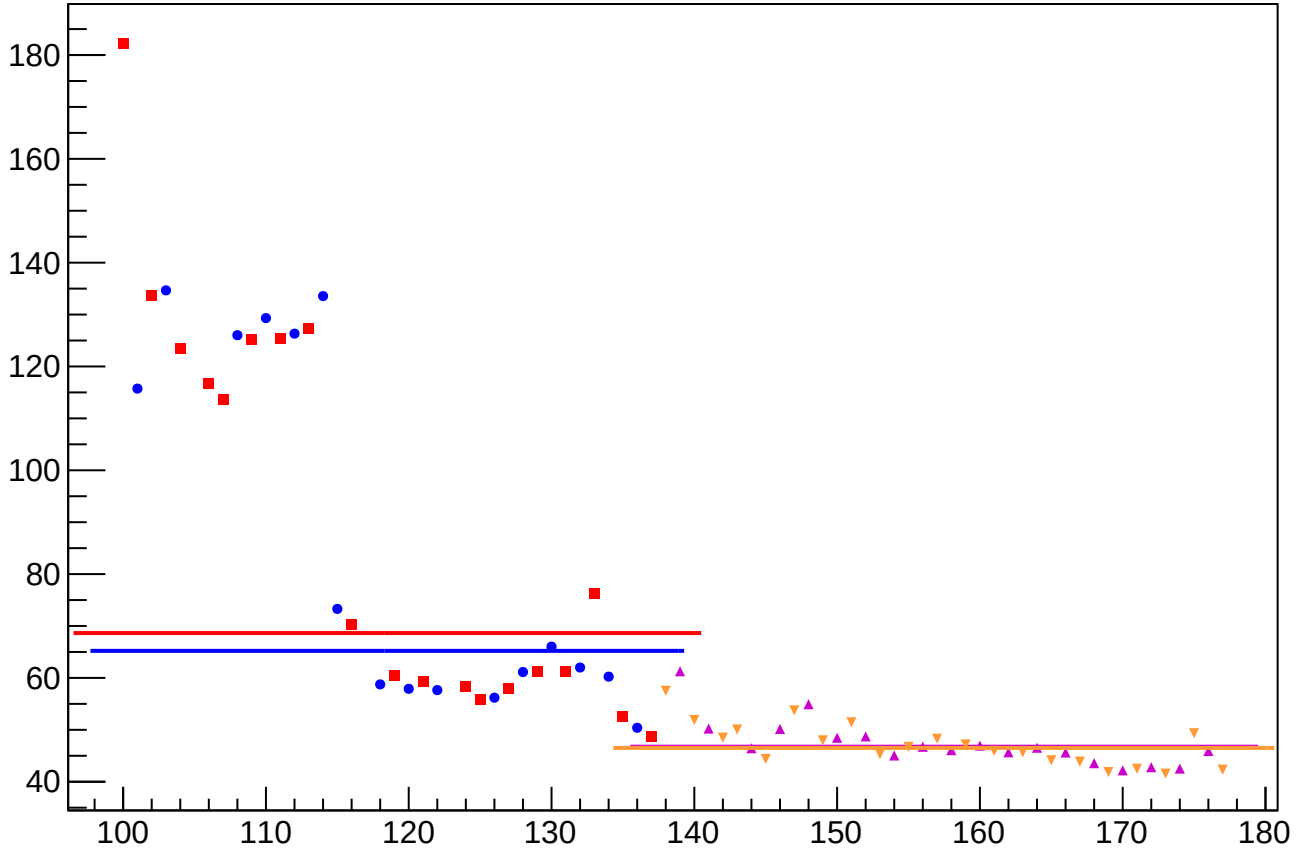
Left In: -45.208+/-11.949 χ^2/NDF:20.2/18

+ sign 13.688+/-10.481 χ^2/NDF: 46.5/36

All: -15.755+/-7.562 χ^2/NDF: 103.7/74

- sign -47.718+/-10.920 χ^2/NDF: 40.8/37

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.515+/-0.008 χ^2/NDF:225455.8/20

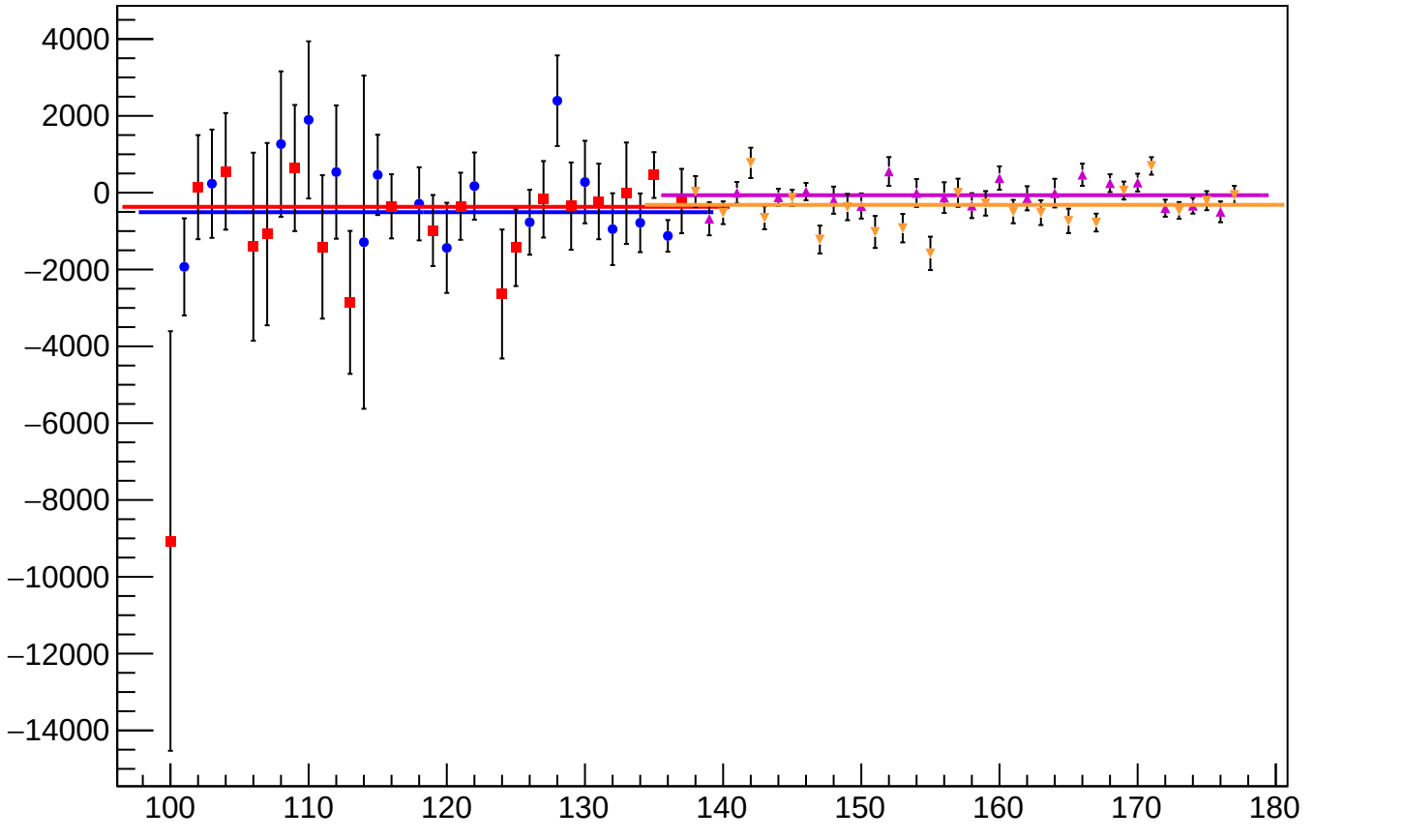
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

+ sign 49.605+/-0.007 χ^2/NDF: 2550108.1/36

All: 49.966+/-0.005 χ^2/NDF: 5515989.2/74

- sign 50.358+/-0.008 χ^2/NDF: 2960927.8/37



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -316.522+/-63.235 χ^2/NDF:62.1/20

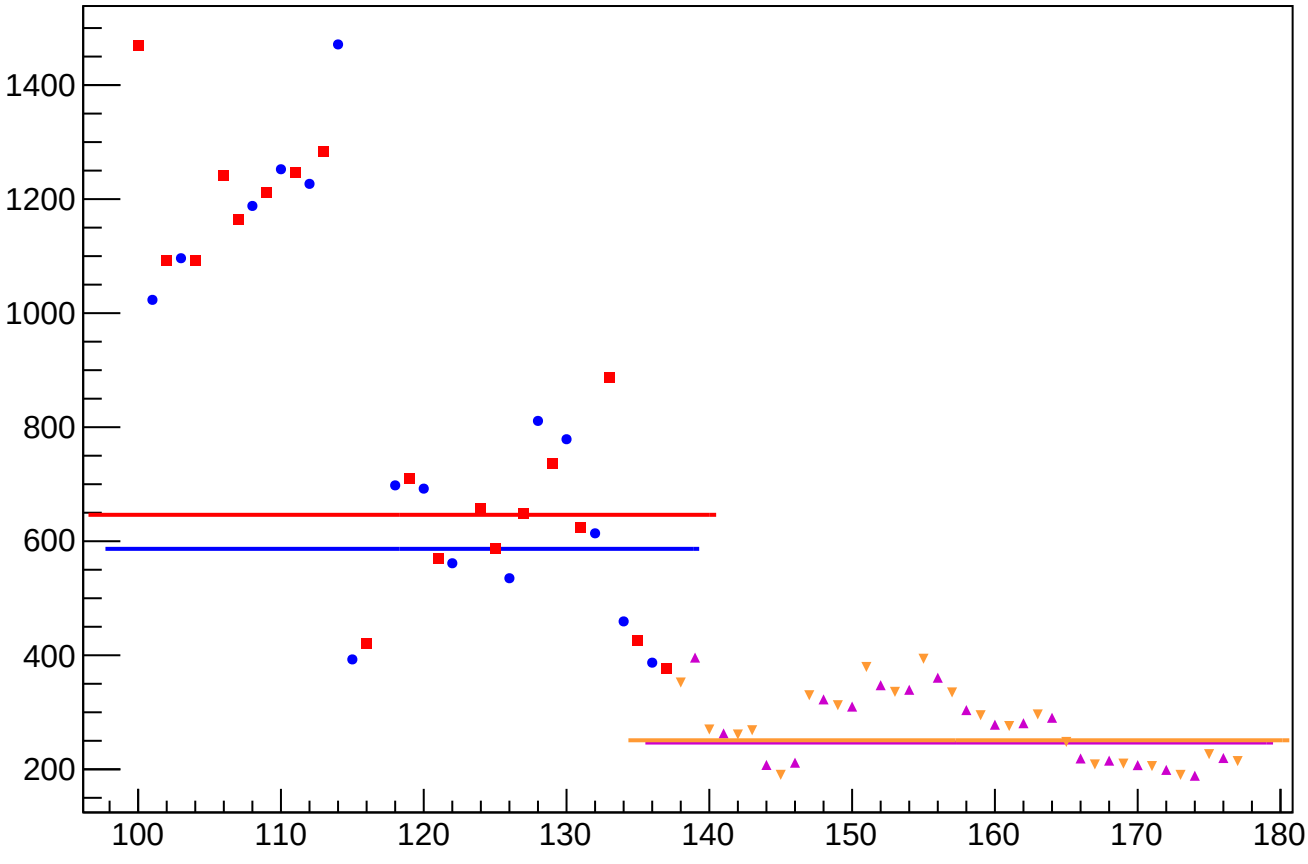
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -65.755+/-64.466 χ^2/NDF:22.8/18

+ sign -329.247+/-61.096 χ^2/NDF: 78.4/36

All: -209.319+/-43.697 χ^2/NDF: 121.6/74

- sign -83.728+/-62.522 χ^2/NDF: 35.4/37



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 250.905+/-0.045 χ^2/NDF:1598977.0/20

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

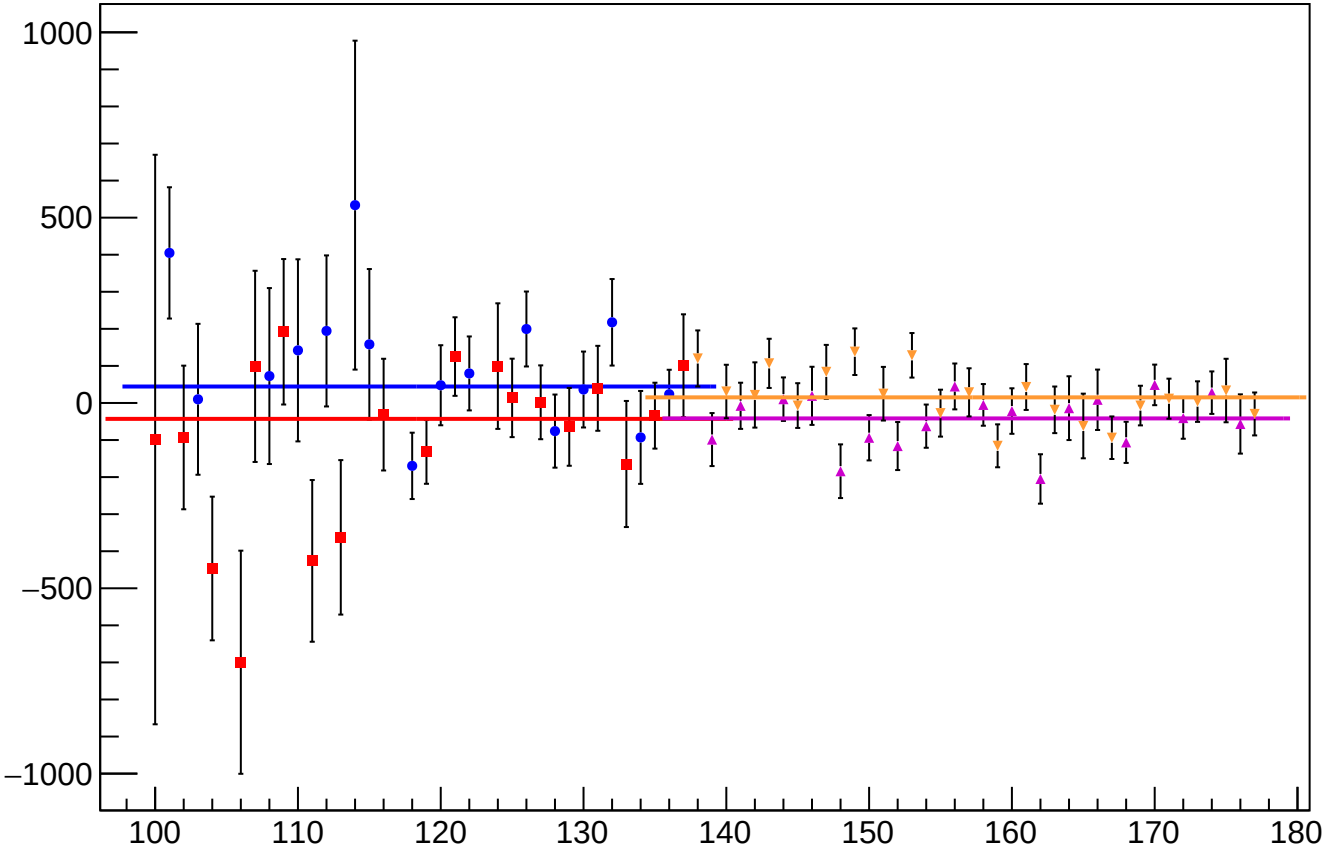
Left In: 246.909+/-0.046 χ^2/NDF:1480881.8/18

+ sign 273.227+/-0.043 χ^2/NDF: 7400684.5/36

All: 271.961+/-0.031 χ^2/NDF: 15506897.6/74

- sign 270.635+/-0.044 χ^2/NDF: 8104454.2/37

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 15.140+/-14.001 χ^2/NDF:23.7/20

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

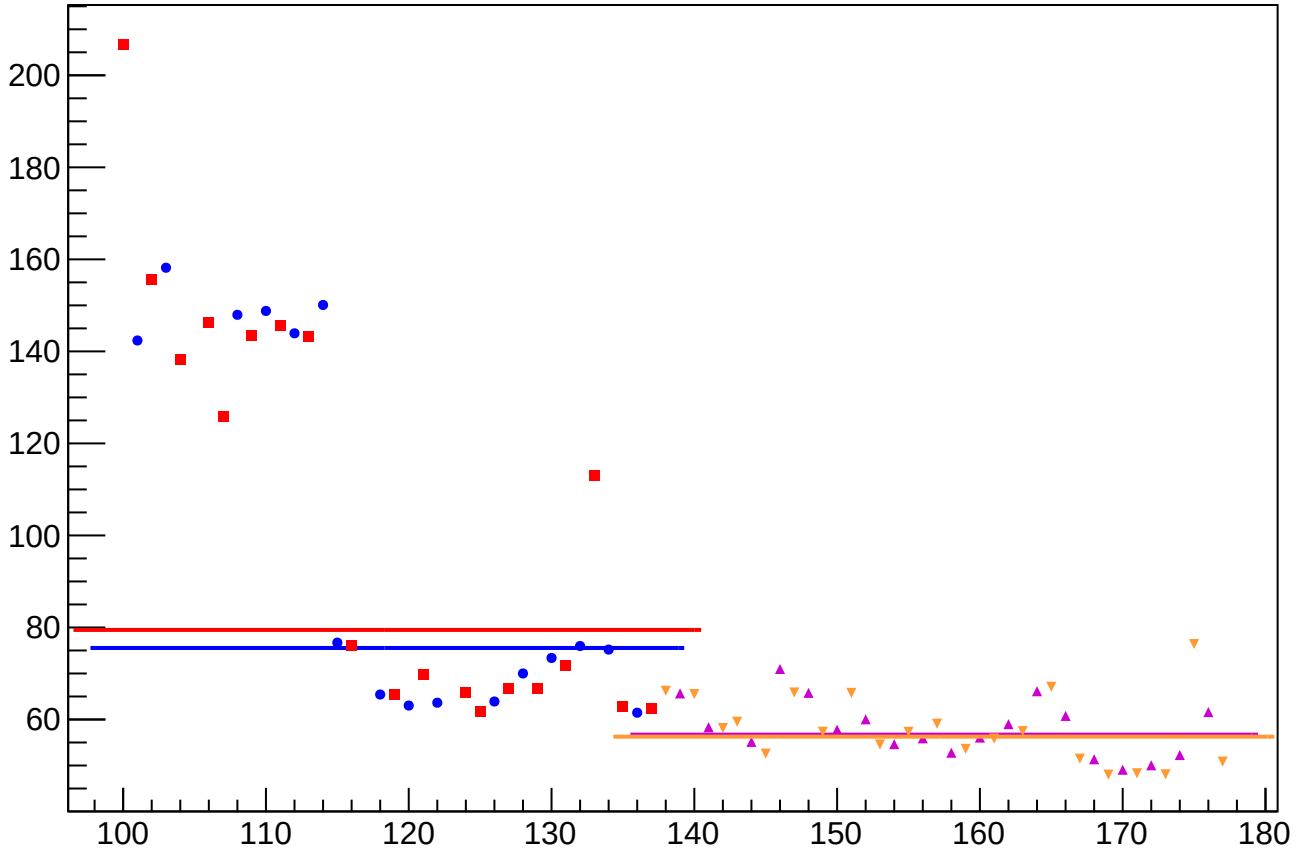
Left In: -41.700+/-14.602 χ^2/NDF:22.9/18

+ sign 20.397+/-12.681 χ^2/NDF: 44.1/36

All: -9.441+/-9.154 χ^2/NDF: 101.8/74

- sign -41.915+/-13.229 χ^2/NDF: 46.2/37

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.270+/-0.010 χ^2/NDF:469982.1/20

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

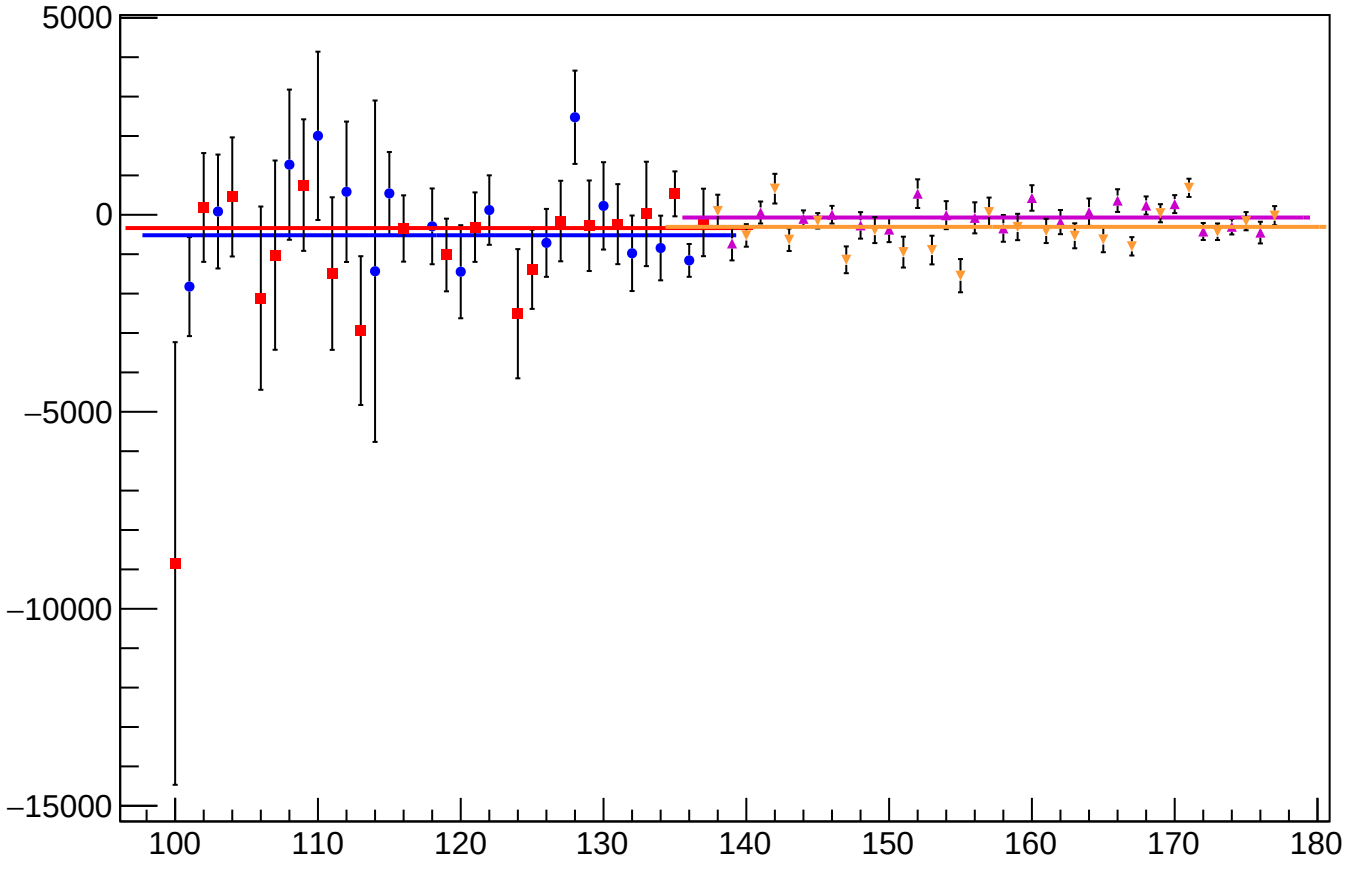
Left In: 56.715+/-0.010 χ^2/NDF:287254.4/18

+ sign 59.735+/-0.009 χ^2/NDF: 2616836.4/36

All: 60.241+/-0.006 χ^2/NDF: 5464519.5/74

- sign 60.792+/-0.009 χ^2/NDF: 2841020.6/37

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -306.355+/-61.854 χ^2/NDF:59.9/20

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

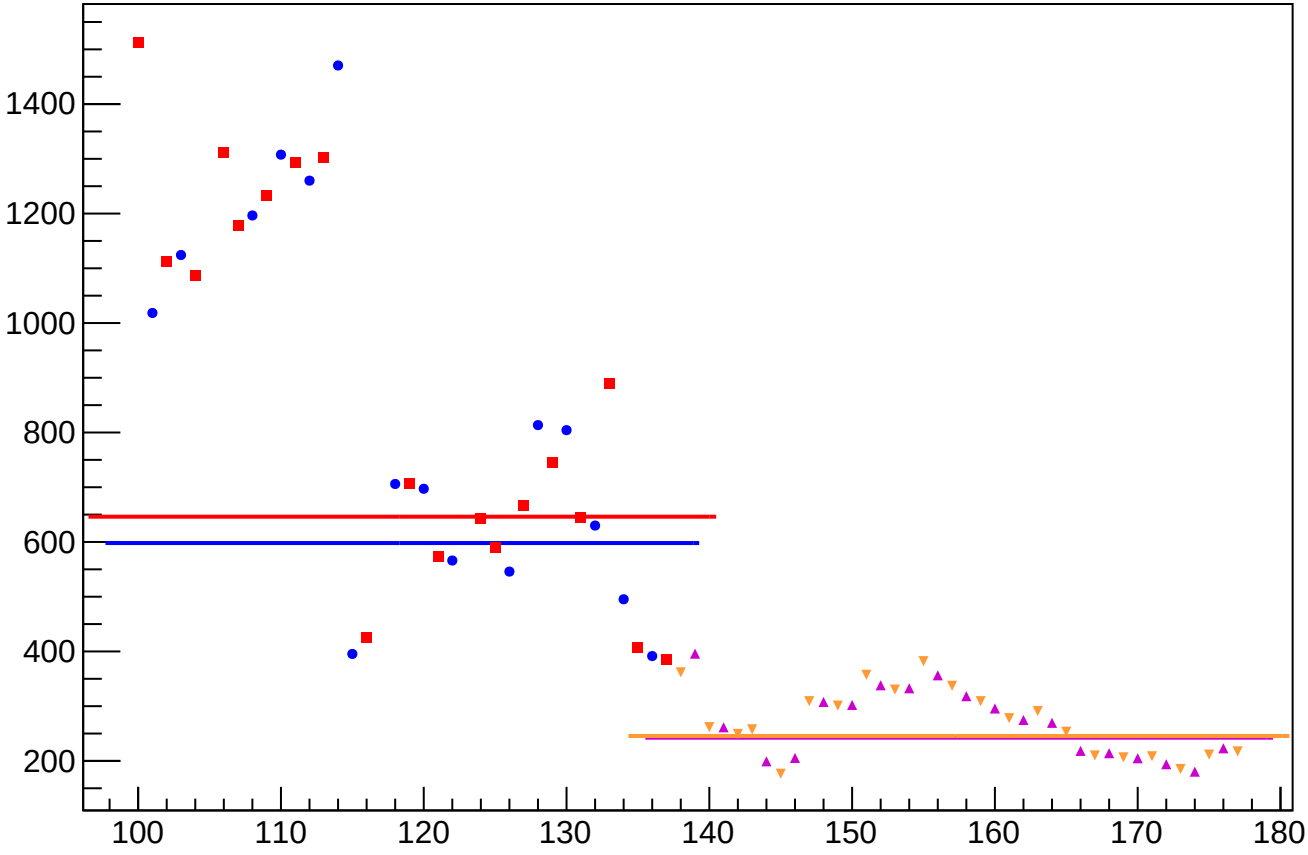
Left In: -69.112+/-63.414 χ^2/NDF:22.3/18

+ sign -319.479+/-59.917 χ^2/NDF: 76.4/36

All: -205.179+/-42.938 χ^2/NDF: 119.1/74

- sign -84.513+/-61.562 χ^2/NDF: 35.2/37

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 245.566+/-0.044 χ^2/NDF:1673650.9/20

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

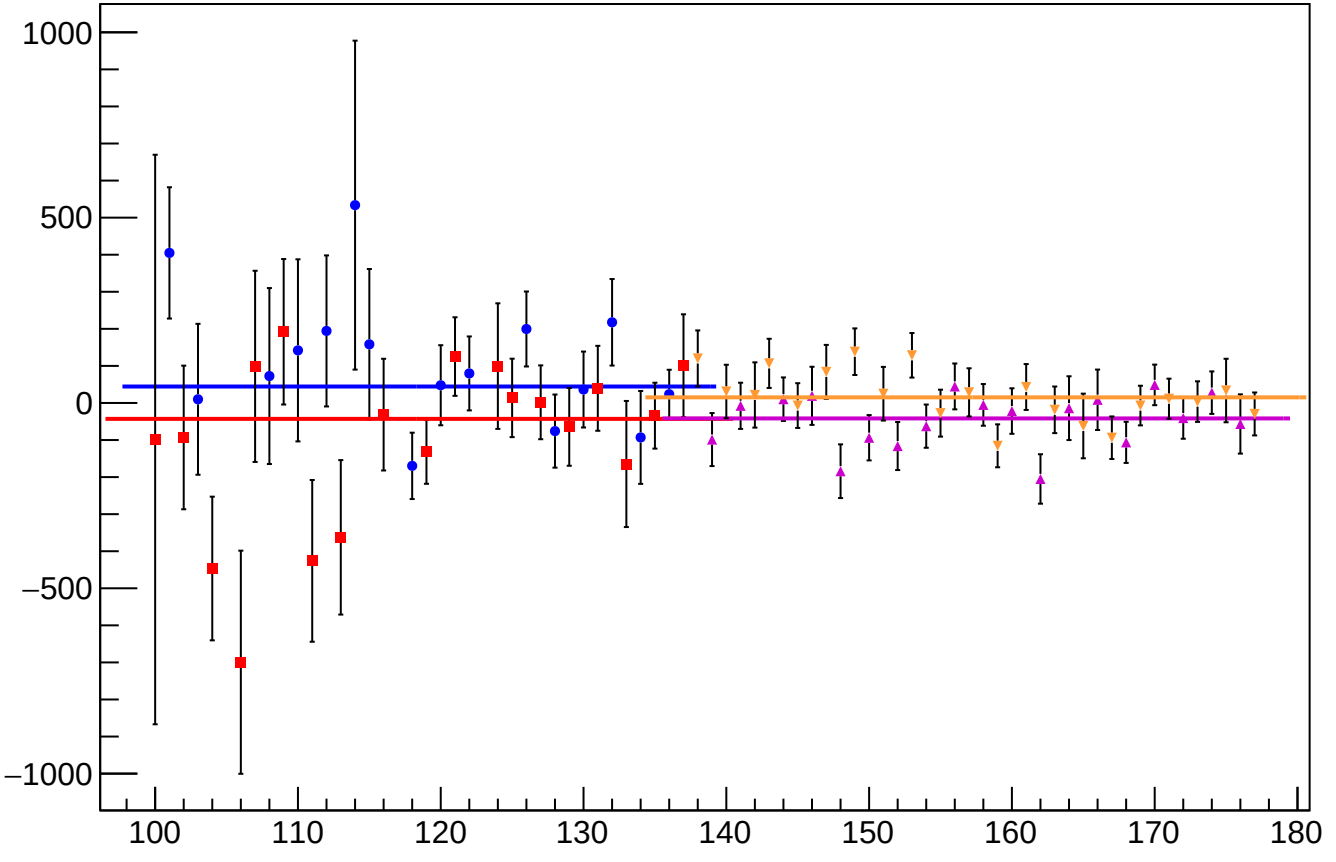
Left In: 242.400+/-0.045 χ^2/NDF:1578264.7/18

+ sign 267.296+/-0.042 χ^2/NDF: 7725384.6/36

All: 266.490+/-0.030 χ^2/NDF: 16176691.0/74

- sign 265.639+/-0.044 χ^2/NDF: 8450562.1/37

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 15.139+/-14.001 χ^2/NDF:23.7/20

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

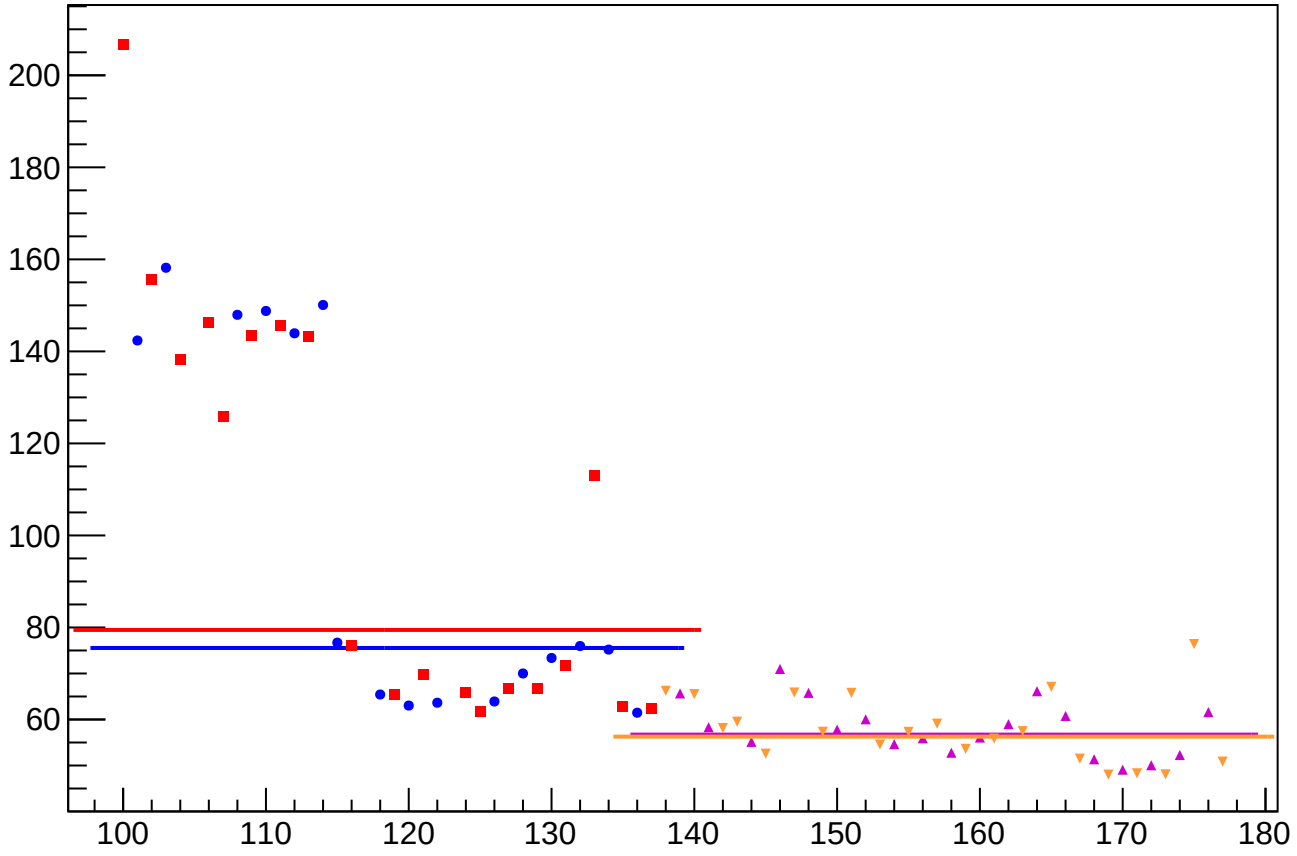
Left In: -41.699+/-14.602 χ^2/NDF:22.9/18

+ sign 20.397+/-12.681 χ^2/NDF: 44.1/36

All: -9.440+/-9.154 χ^2/NDF: 101.8/74

- sign -41.914+/-13.229 χ^2/NDF: 46.2/37

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.270+/-0.010 χ^2/NDF:469984.8/20

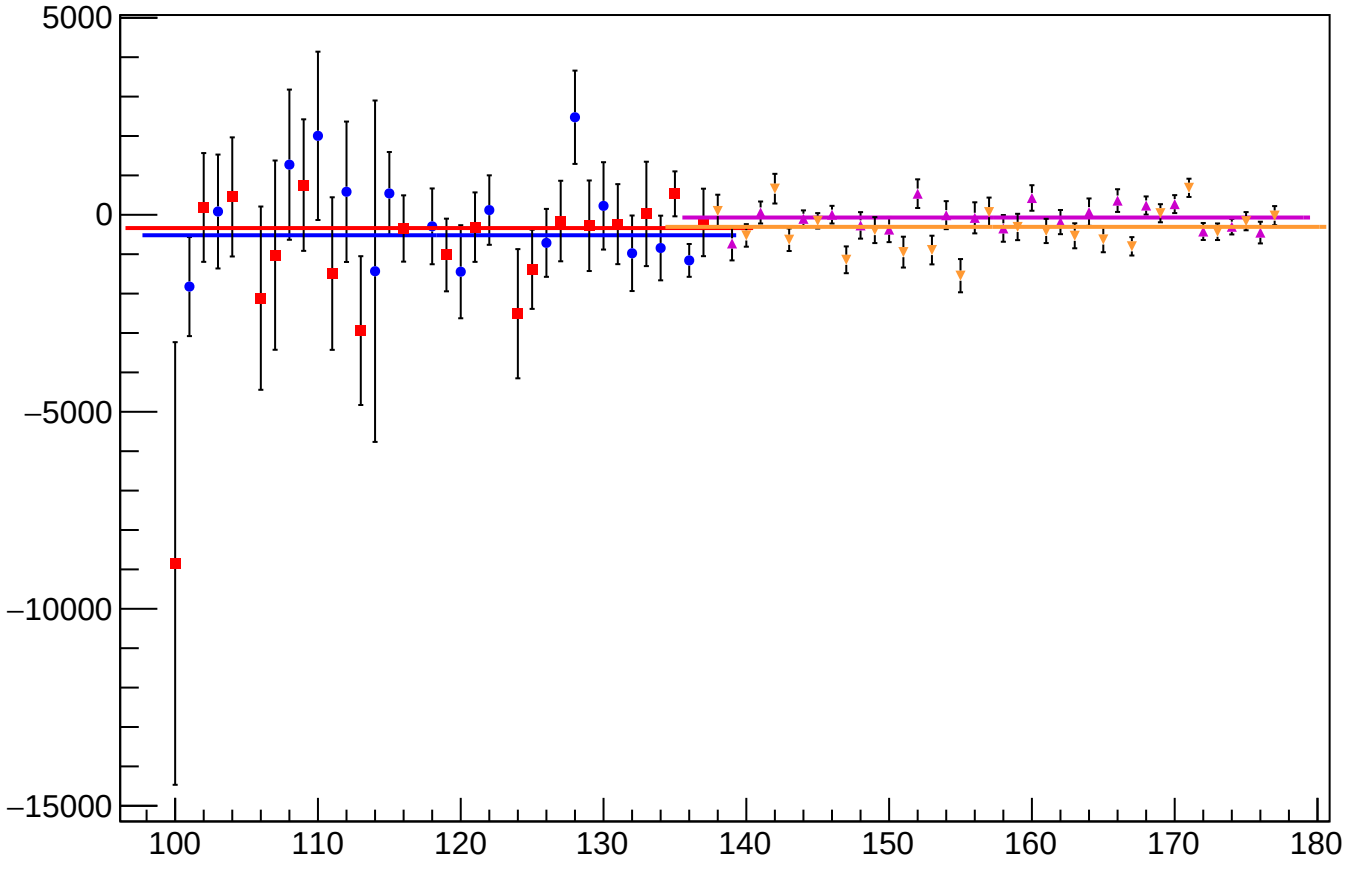
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 56.715+/-0.010 χ^2/NDF:287254.6/18

+ sign 59.735+/-0.009 χ^2/NDF: 2616801.0/36

All: 60.241+/-0.006 χ^2/NDF: 5464447.3/74

- sign 60.793+/-0.009 χ^2/NDF: 2840982.6/37



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -306.354+/-61.854 χ^2/NDF:59.9/20

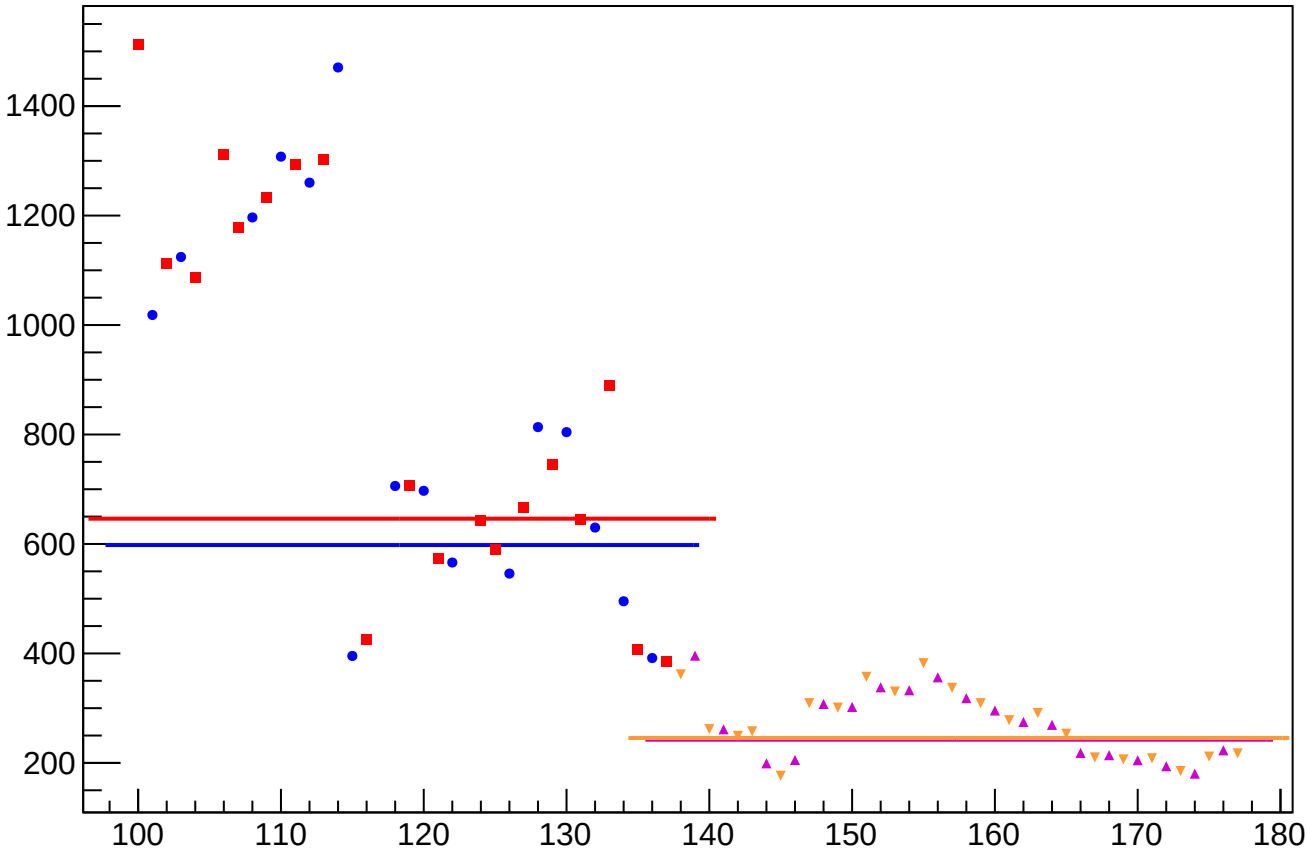
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -69.111+/-63.414 χ^2/NDF:22.3/18

+ sign -319.478+/-59.917 χ^2/NDF: 76.4/36

All: -205.178+/-42.938 χ^2/NDF: 119.1/74

- sign -84.513+/-61.562 χ^2/NDF: 35.2/37



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 245.566+/-0.044 χ^2/NDF:1673652.1/20

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

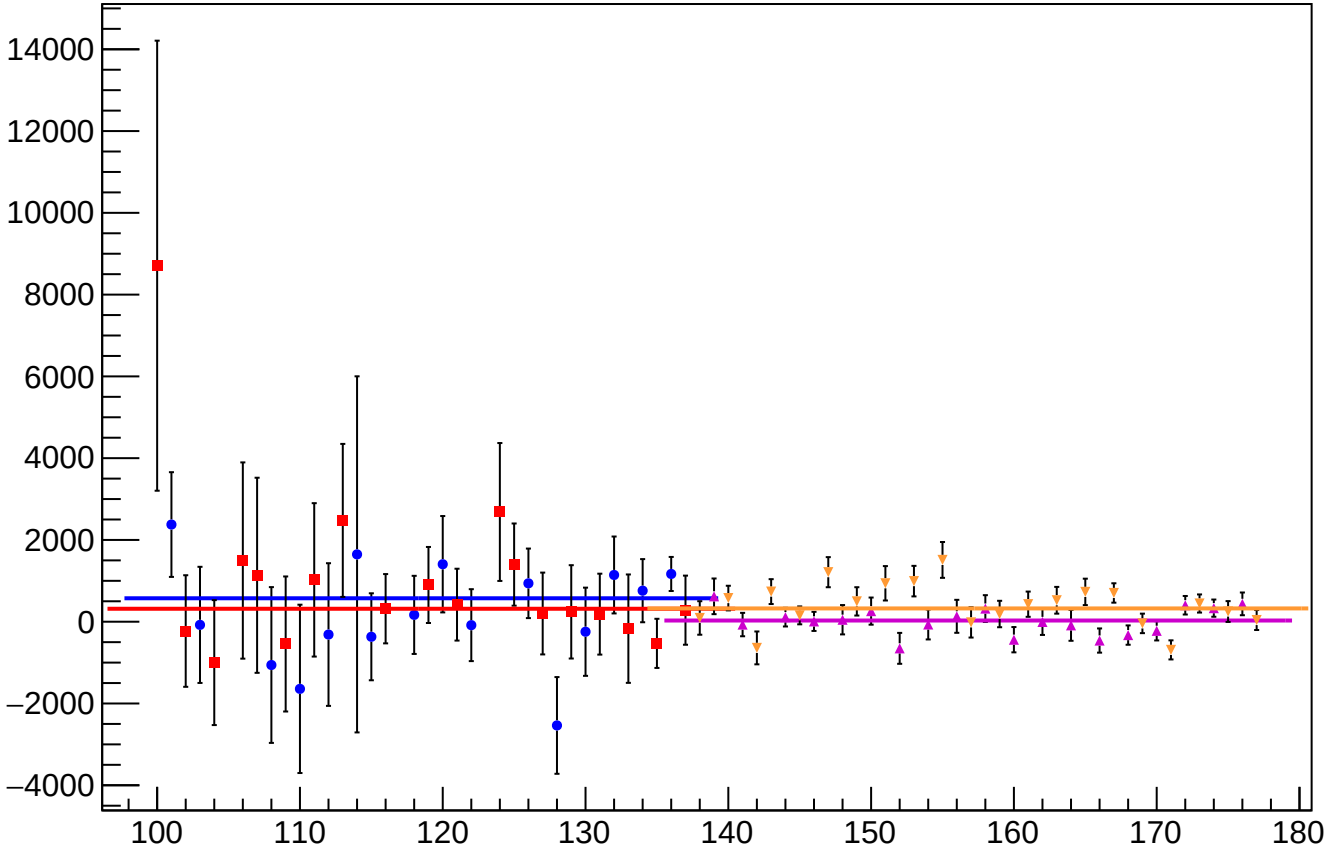
Left In: 242.400+/-0.045 χ^2/NDF:1578256.4/18

+ sign 267.296+/-0.042 χ^2/NDF: 7725377.0/36

All: 266.490+/-0.030 χ^2/NDF: 16176664.9/74

- sign 265.639+/-0.044 χ^2/NDF: 8450543.7/37

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 324.939+/-64.405 χ^2/NDF:56.5/20

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

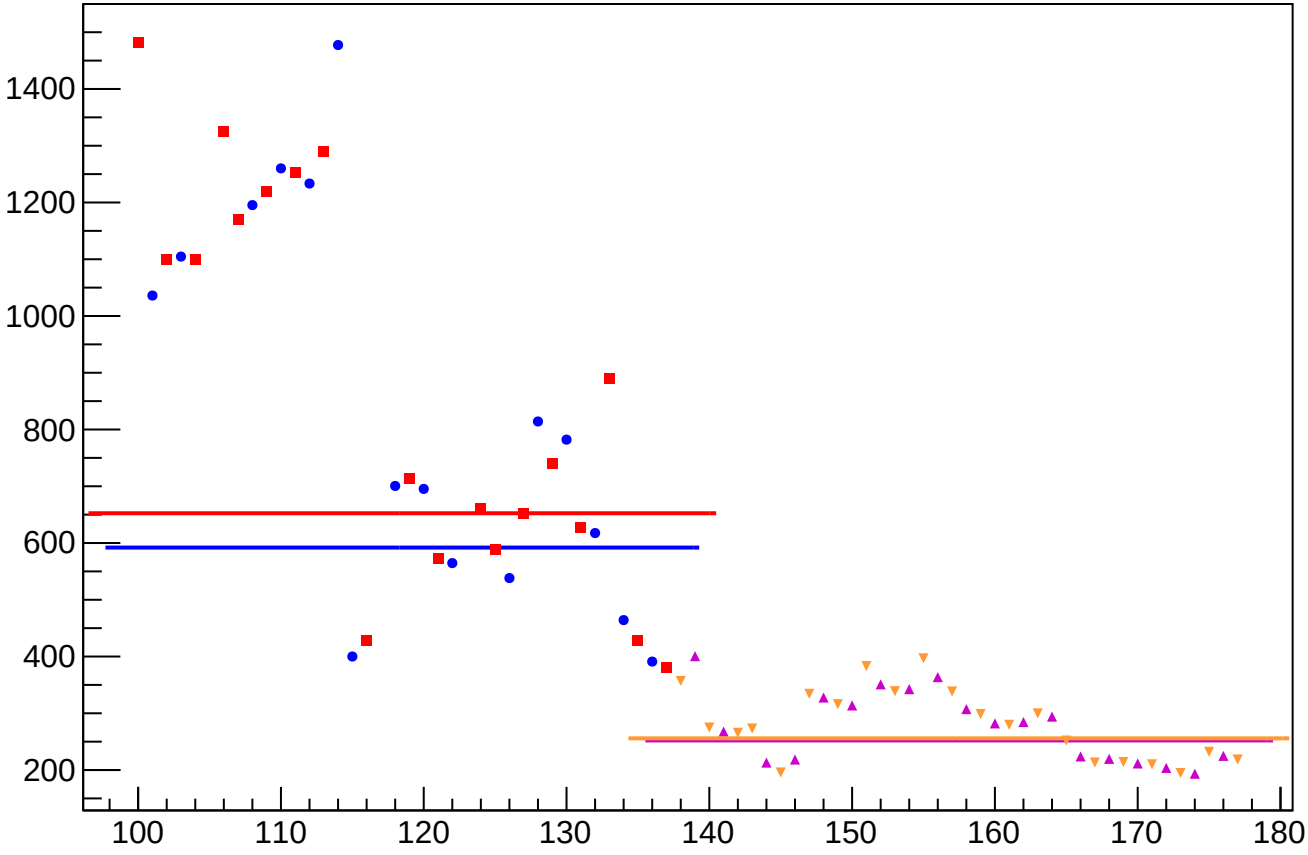
Left In: 29.418+/-65.750 χ^2/NDF:22.2/18

+ sign 341.768+/-62.185 χ^2/NDF: 74.1/36

All: 197.929+/-44.503 χ^2/NDF: 119.5/74

- sign 46.915+/-63.717 χ^2/NDF: 34.4/37

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 255.846+/-0.046 χ^2/NDF:1529629.3/20

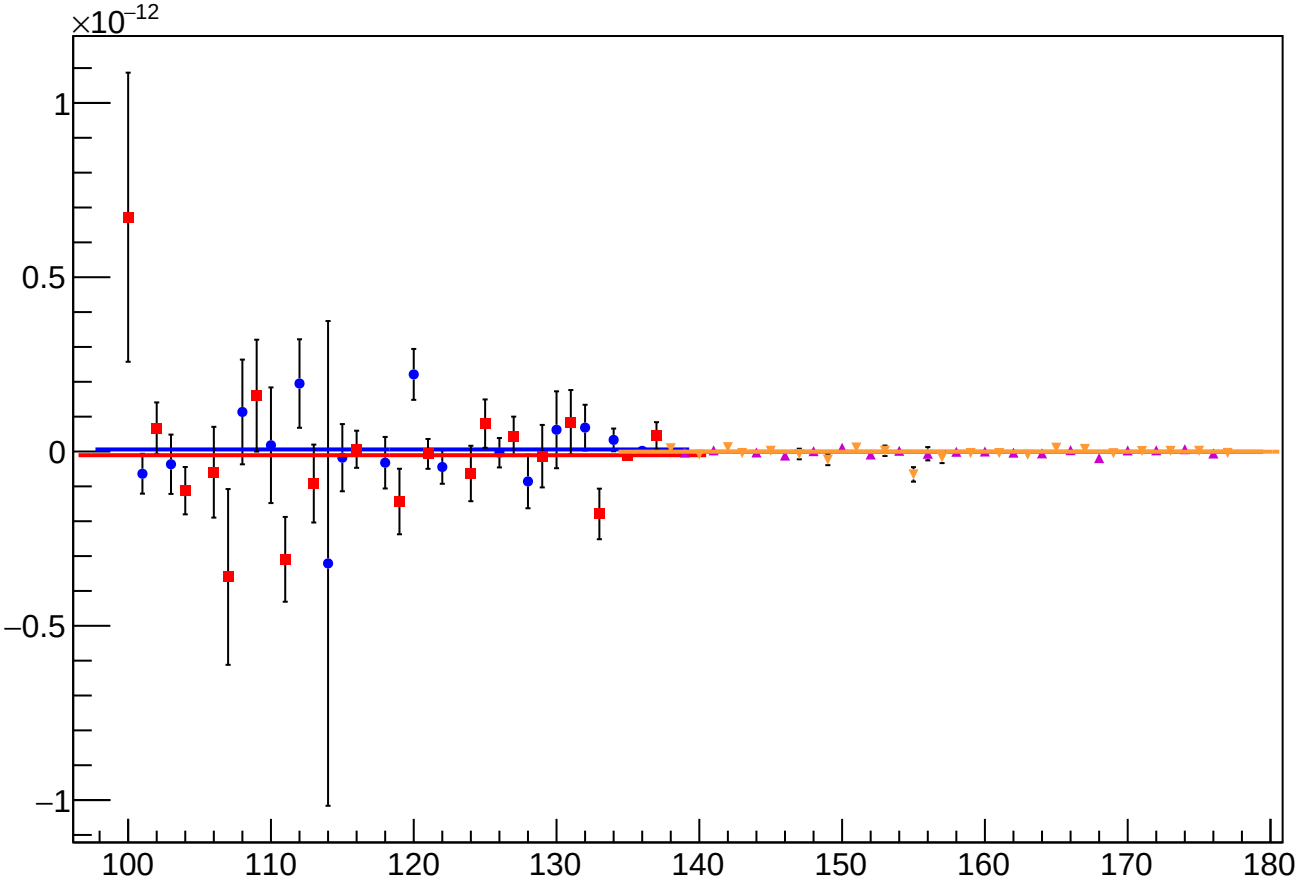
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.155+/-0.046 χ^2/NDF:1408823.8/18

+ sign 278.617+/-0.044 χ^2/NDF: 7255654.8/36

All: 277.596+/-0.031 χ^2/NDF: 15268819.6/74

- sign 276.525+/-0.045 χ^2/NDF: 8012060.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/20

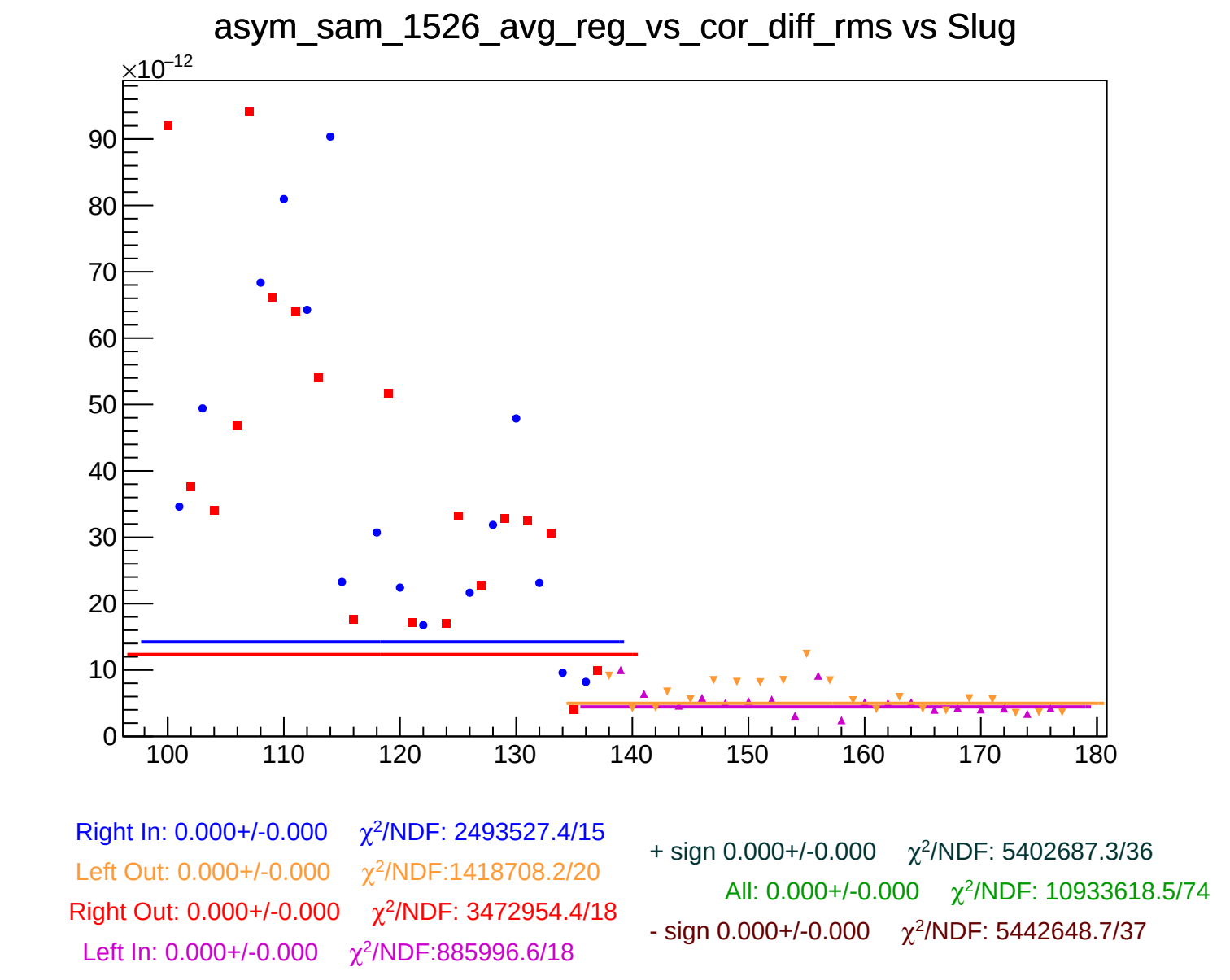
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

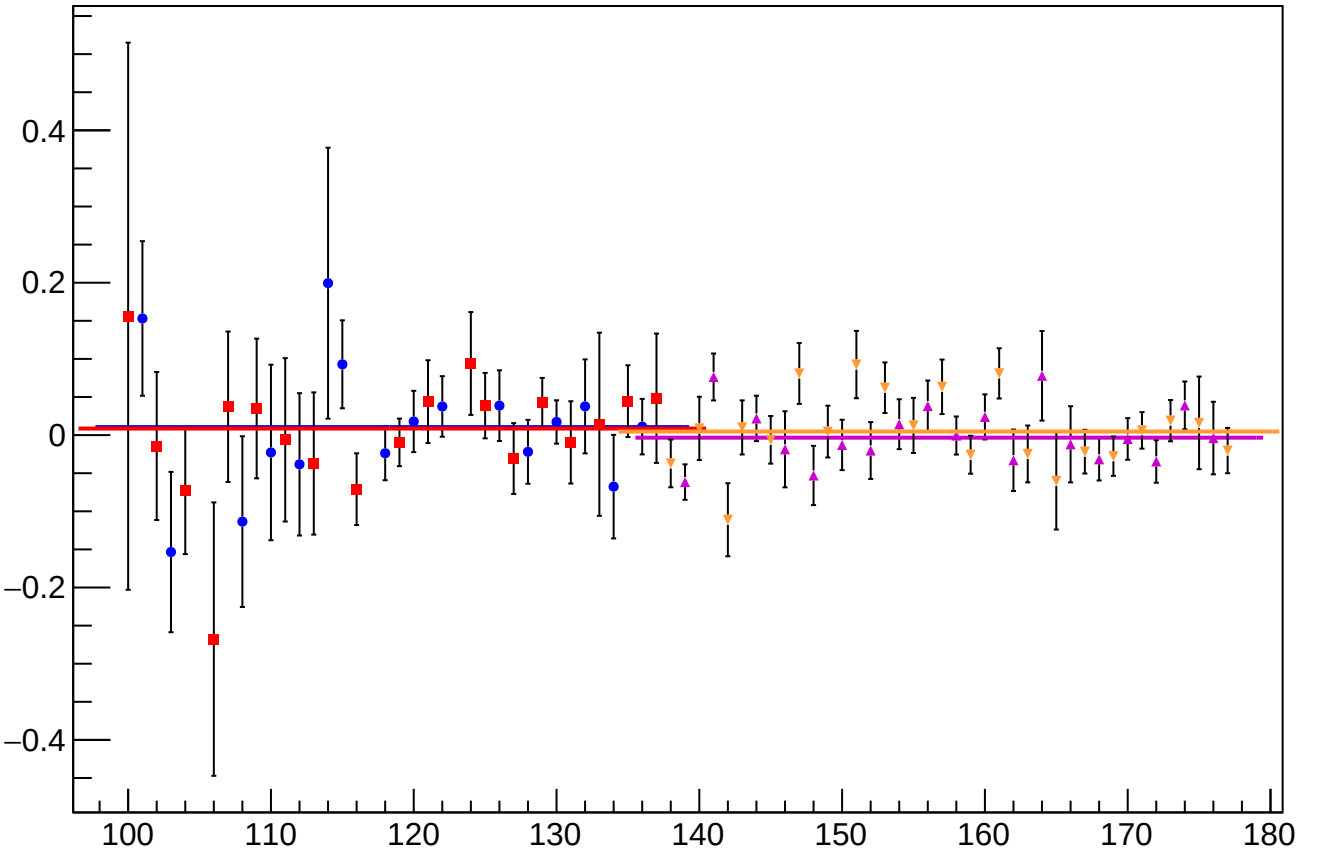
Left In: -0.000+/-0.000 χ^2/NDF:11.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/36

All: -0.000+/-0.000 χ^2/NDF: 82.8/74

- sign -0.000+/-0.000 χ^2/NDF: 41.9/37


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:1418708.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:885996.6/18
+ sign 0.000+/-0.000 χ²/NDF: 5402687.3/36
All: 0.000+/-0.000 χ²/NDF: 10933618.5/74
- sign 0.000+/-0.000 χ²/NDF: 5442648.7/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

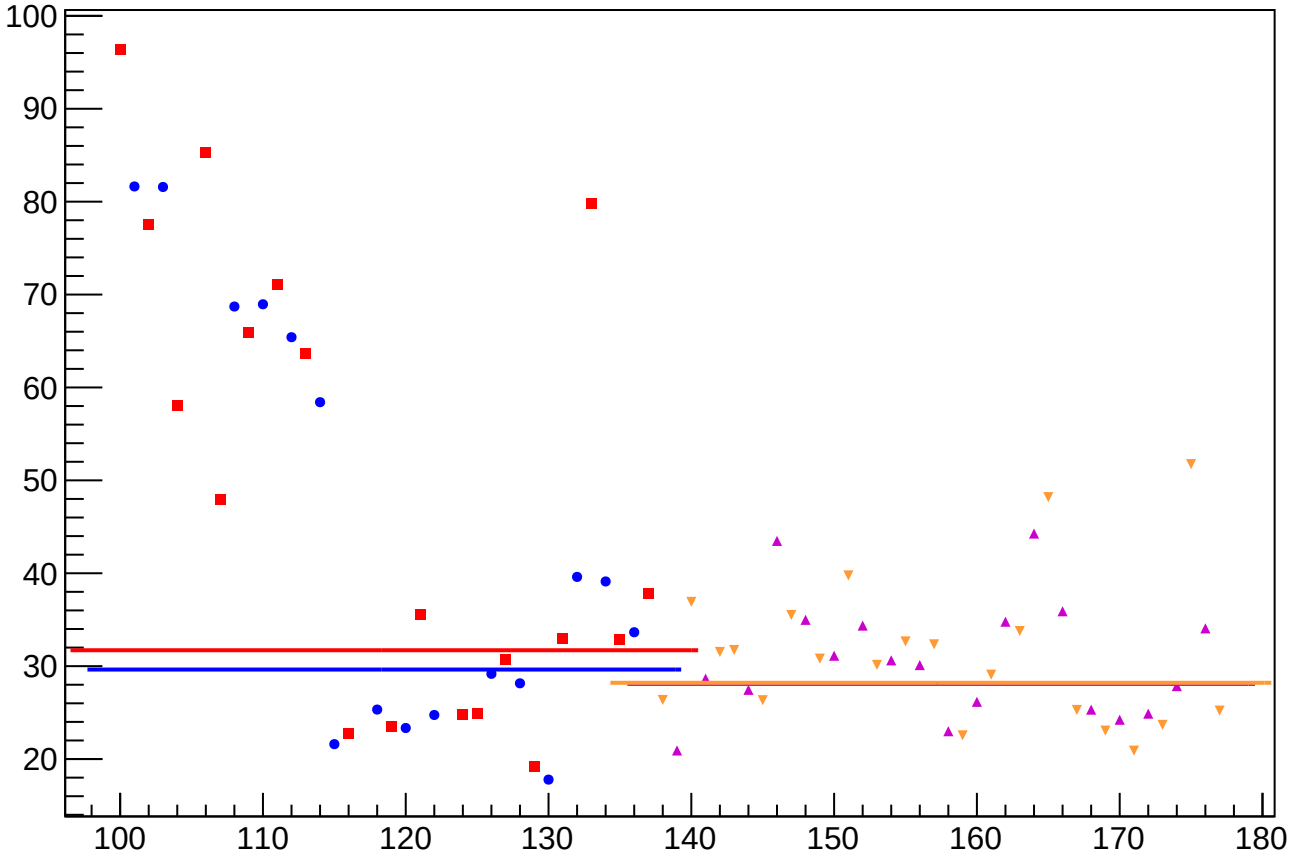
Left In: -0.003+/-0.007 χ^2/NDF:25.0/18

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/36

All: 0.003+/-0.005 χ^2/NDF: 84.9/74

- sign -0.000+/-0.006 χ^2/NDF: 38.0/37

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: 28.211+/-0.005 χ^2/NDF:1418060.8/20

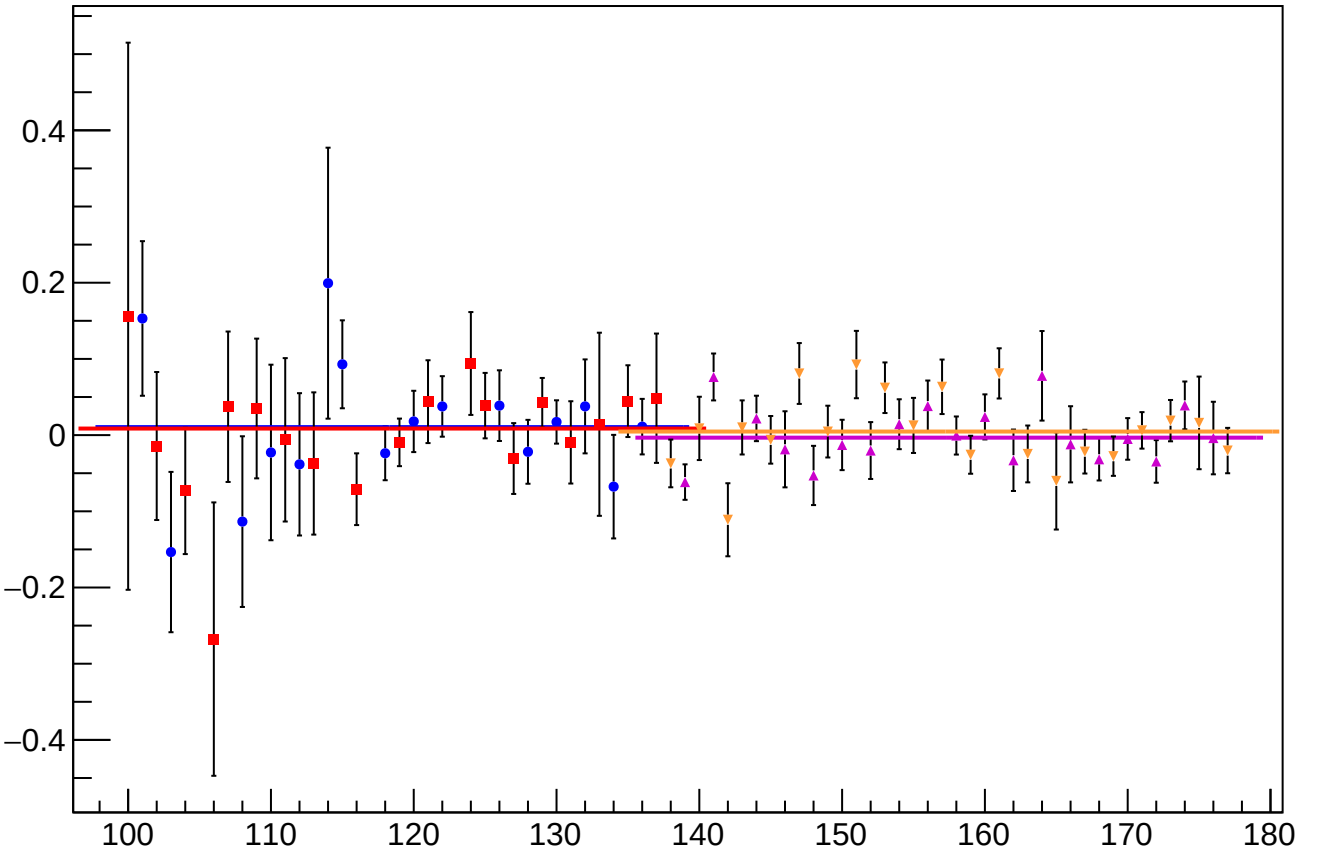
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.090+/-0.005 χ^2/NDF:1001988.7/18

+ sign 28.567+/-0.004 χ^2/NDF: 3885799.8/36

All: 28.758+/-0.003 χ^2/NDF: 7656713.8/74

- sign 28.963+/-0.005 χ^2/NDF: 3767083.4/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

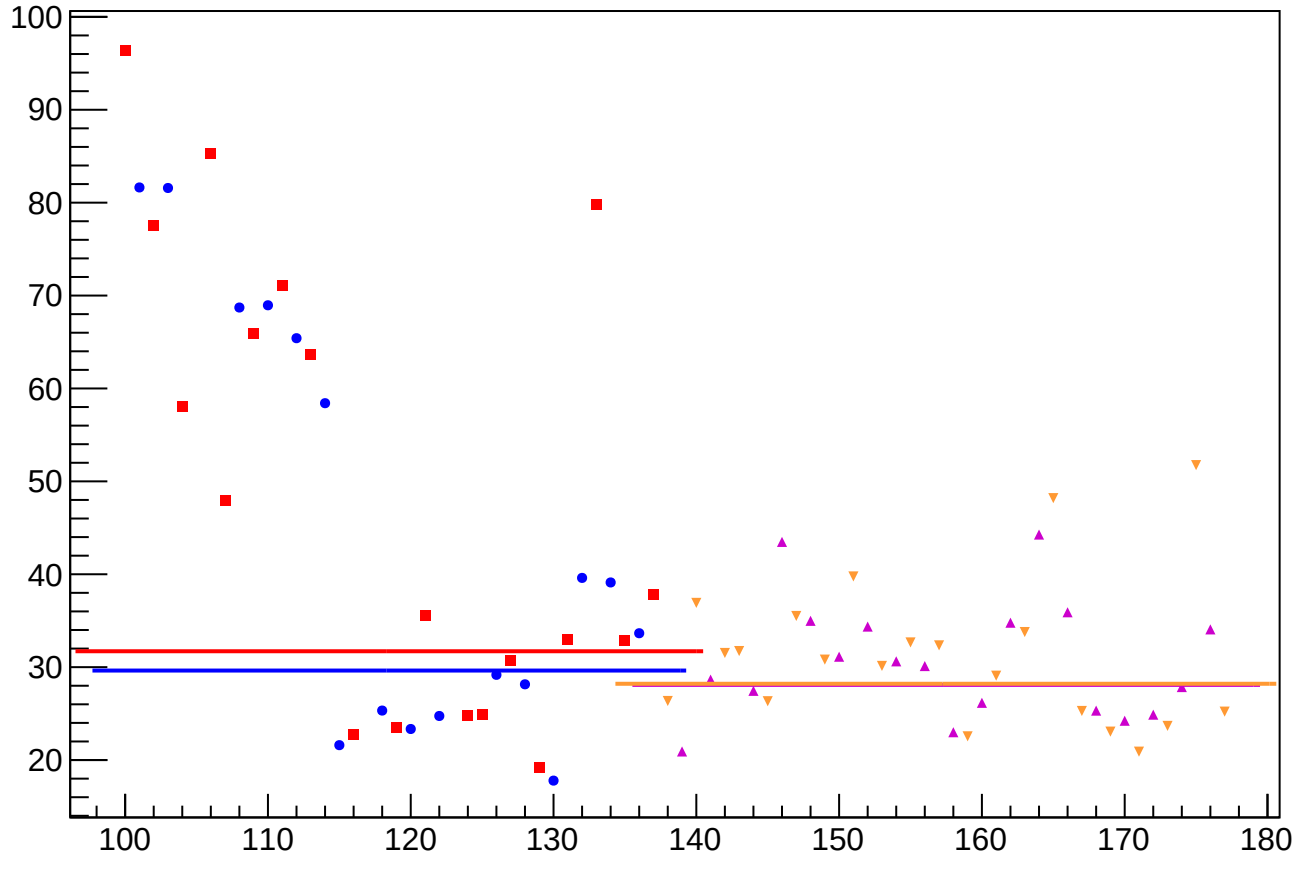
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.007 χ^2/NDF:25.0/18

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/36

All: 0.003+/-0.005 χ^2/NDF: 84.9/74

- sign -0.000+/-0.006 χ^2/NDF: 38.0/37



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418060.8/20

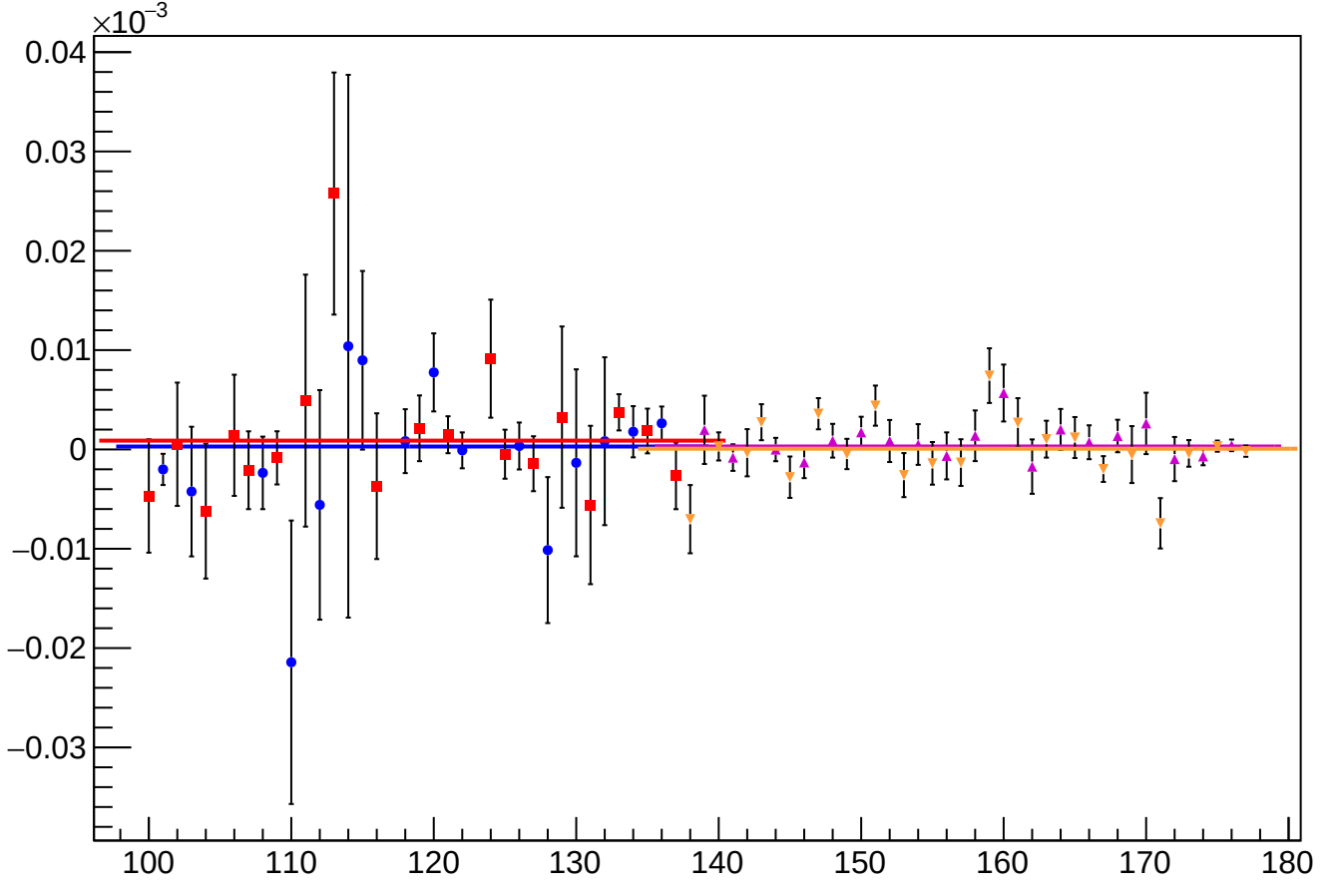
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.090+/-0.005 χ^2/NDF:1001988.7/18

\+ sign 28.567+/-0.004 χ^2/NDF: 3885799.8/36

All: 28.758+/-0.003 χ^2/NDF: 7656713.8/74

\- sign 28.963+/-0.005 χ^2/NDF: 3767083.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/20

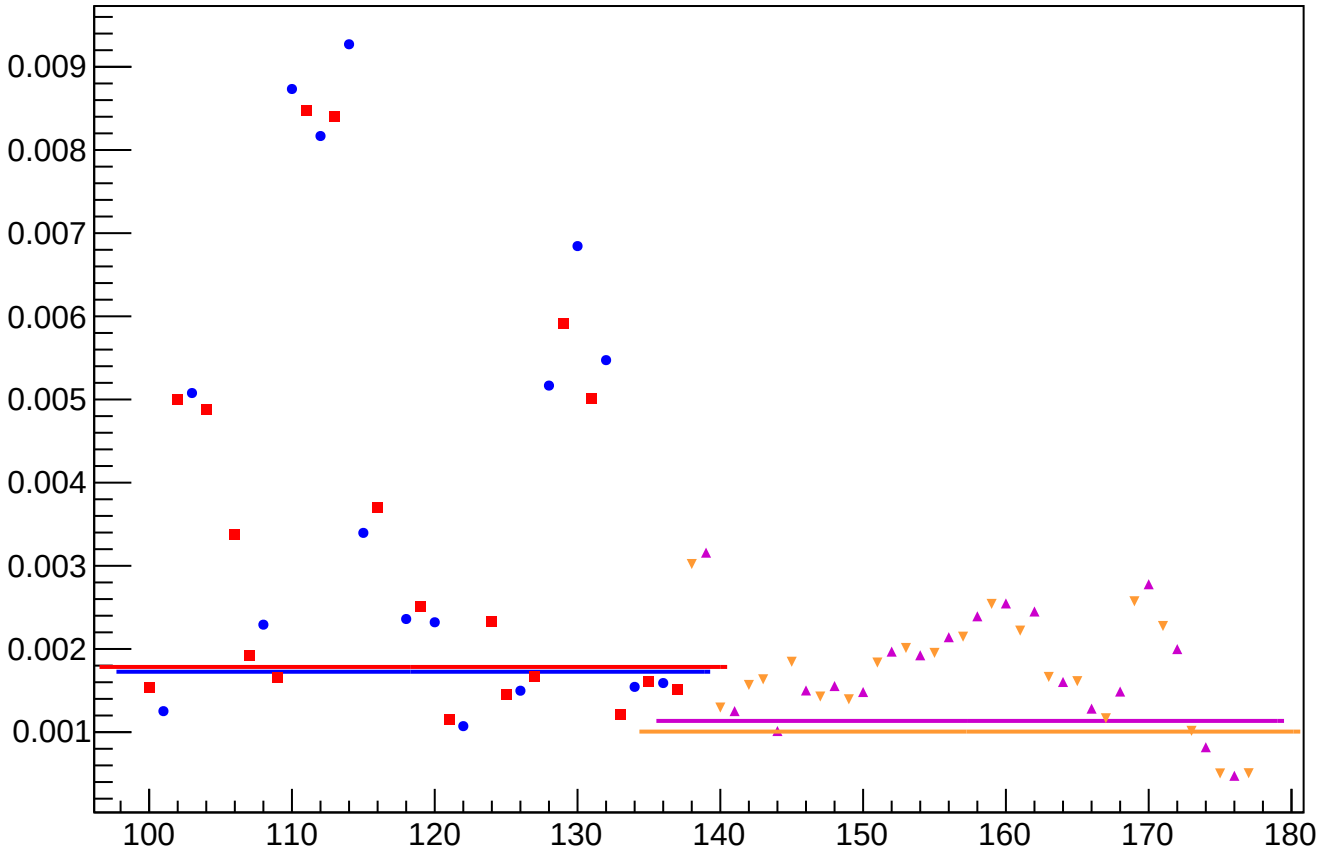
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/36

All: 0.000+/-0.000 χ^2/NDF: 83.1/74

- sign 0.000+/-0.000 χ^2/NDF: 26.7/37



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9180839.5/20

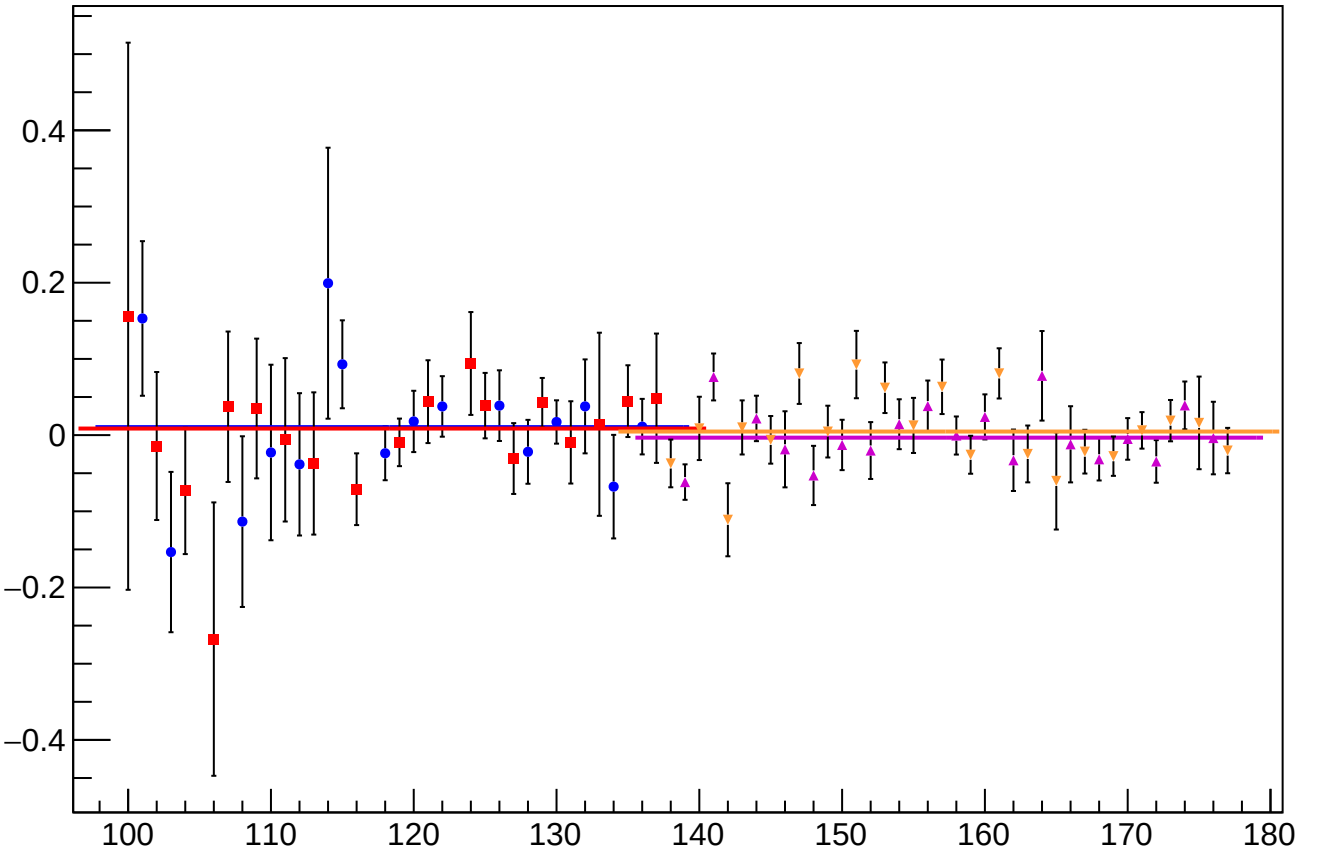
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:7318818.3/18

\+ sign 0.001+/-0.000 χ^2/NDF: 14666032.9/36

All: 0.001+/-0.000 χ^2/NDF: 27103138.3/74

\- sign 0.001+/-0.000 χ^2/NDF: 12217797.4/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

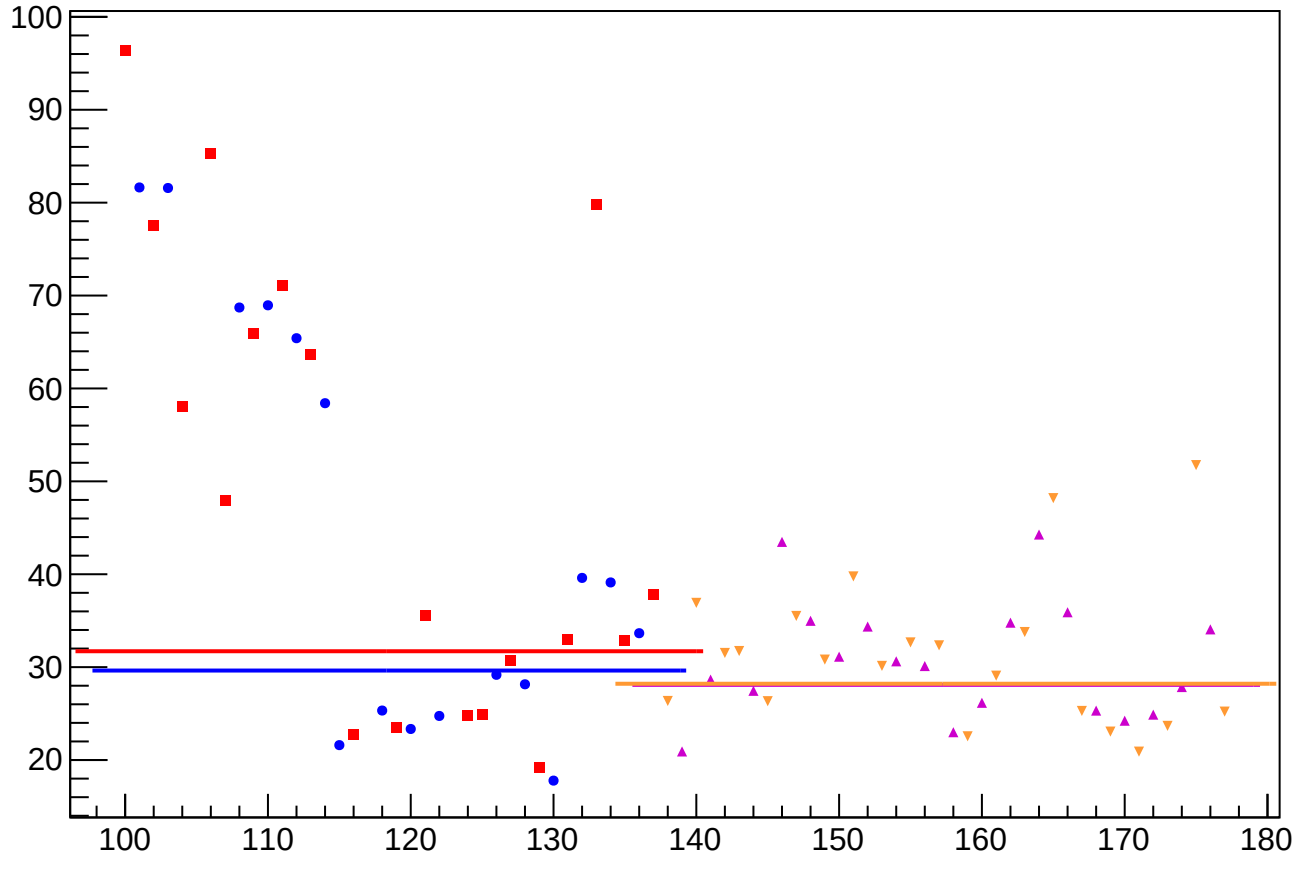
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.007 χ^2/NDF:25.0/18

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/36

All: 0.003+/-0.005 χ^2/NDF: 84.9/74

- sign -0.000+/-0.006 χ^2/NDF: 38.0/37



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418099.6/20

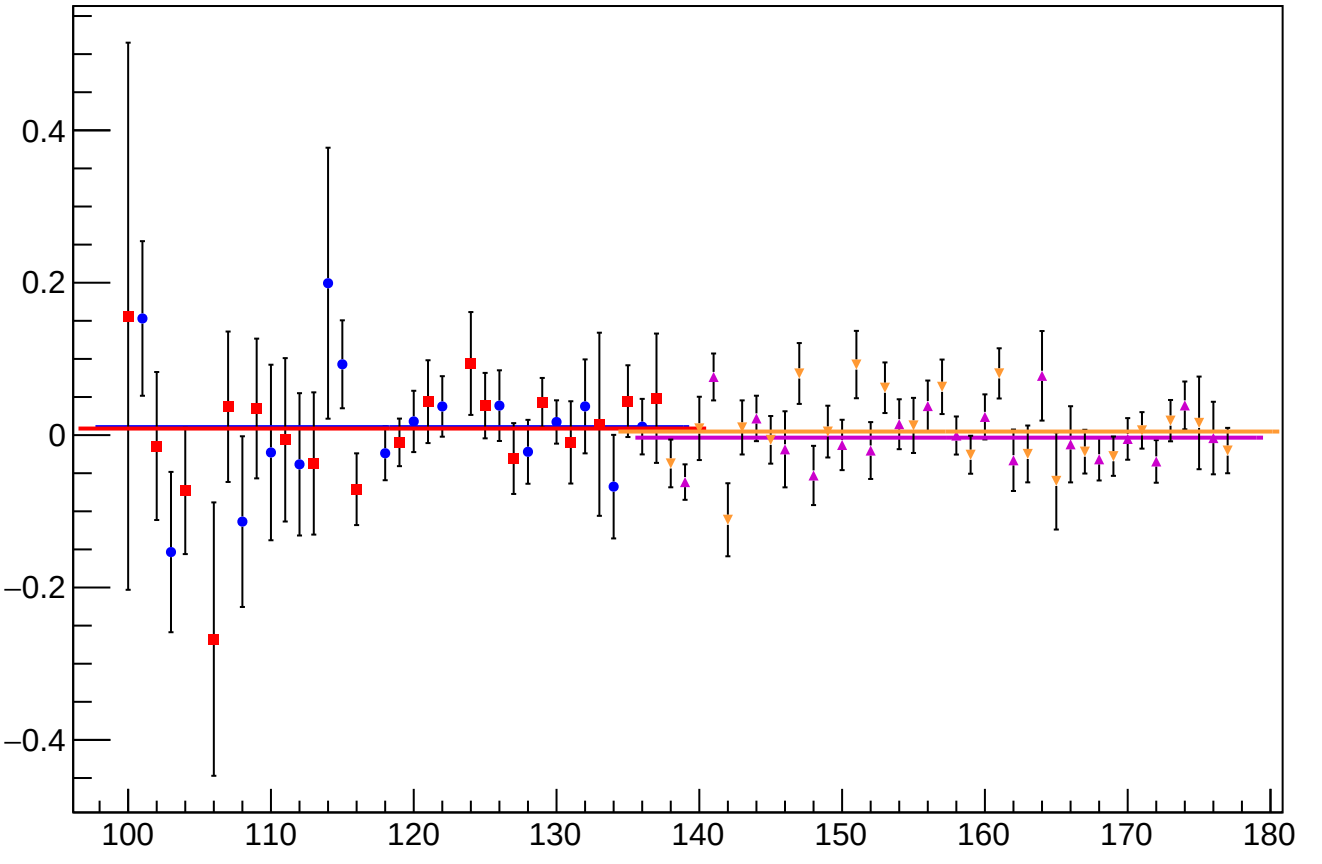
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.090+/-0.005 χ^2/NDF:1001991.1/18

\+ sign 28.567+/-0.004 χ^2/NDF: 3886003.9/36

All: 28.758+/-0.003 χ^2/NDF: 7656993.4/74

\- sign 28.963+/-0.005 χ^2/NDF: 3767154.8/37



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

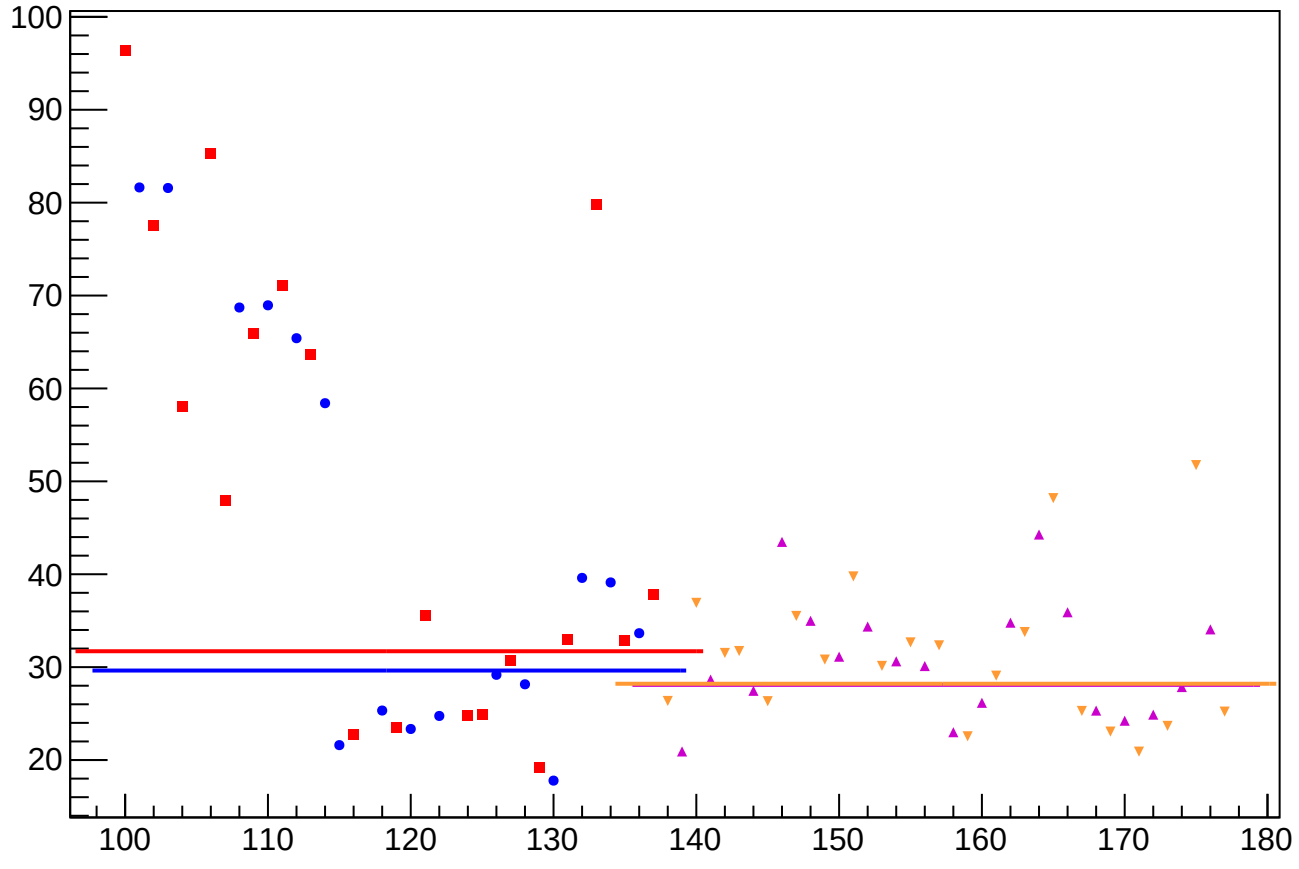
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.007 χ^2/NDF:25.0/18

+ sign 0.006+/-0.006 χ^2/NDF: 46.4/36

All: 0.003+/-0.005 χ^2/NDF: 84.9/74

- sign -0.000+/-0.006 χ^2/NDF: 38.0/37



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418099.6/20

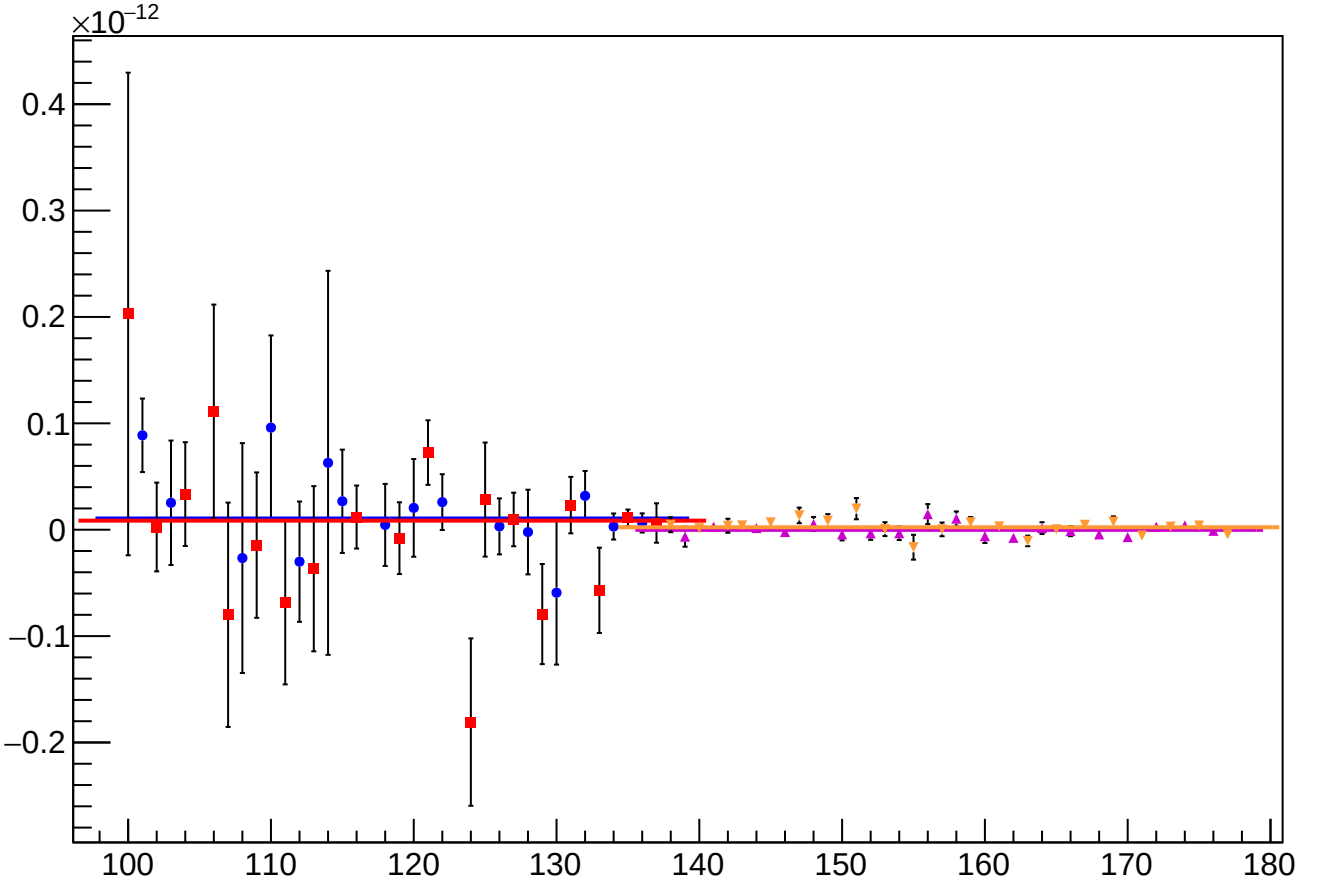
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.090+/-0.005 χ^2/NDF:1001991.1/18

\+ sign 28.567+/-0.004 χ^2/NDF: 3886003.9/36

All: 28.758+/-0.003 χ^2/NDF: 7656993.4/74

\- sign 28.963+/-0.005 χ^2/NDF: 3767154.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/20

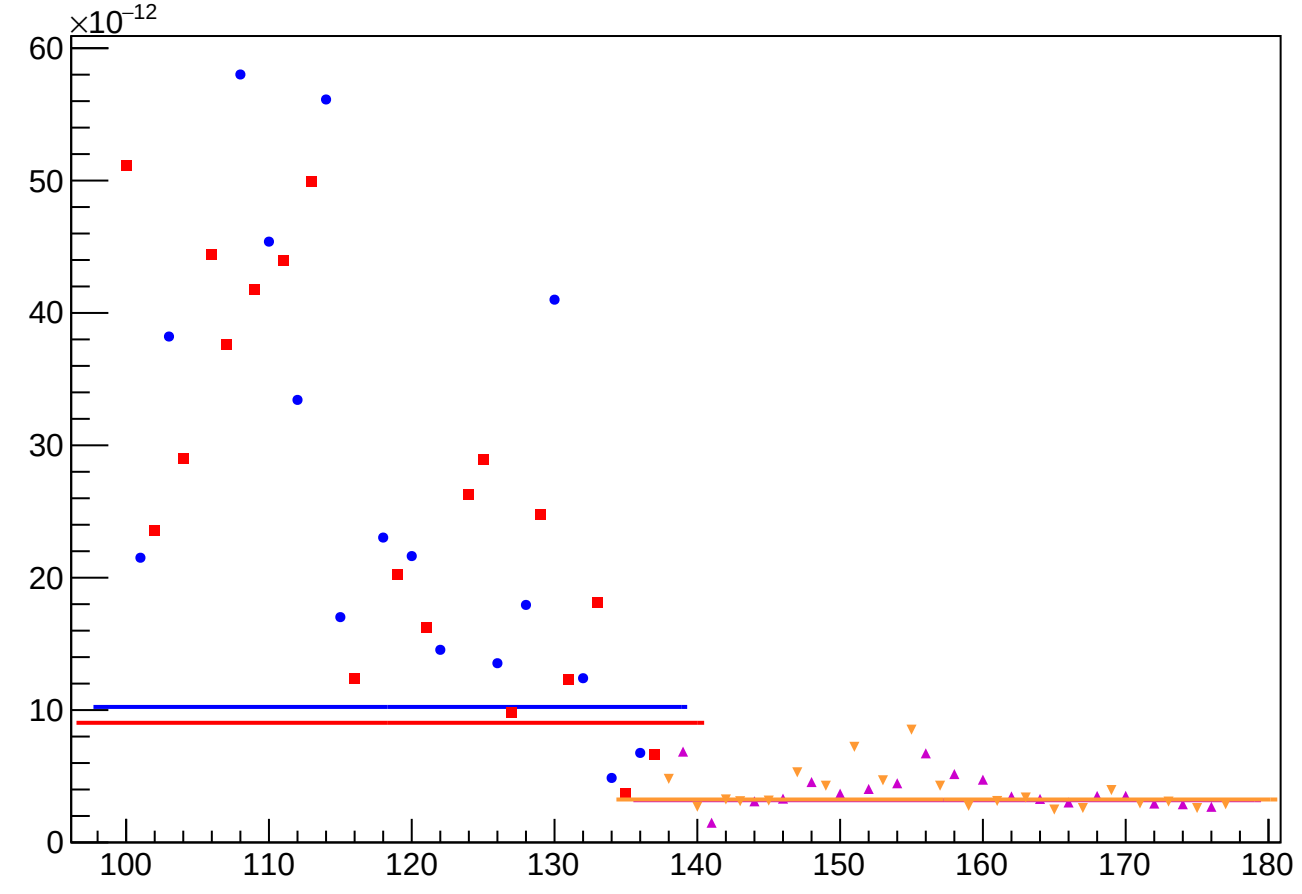
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/36

All: 0.000+/-0.000 χ^2/NDF: 81.7/74

- sign 0.000+/-0.000 χ^2/NDF: 40.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1524722.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

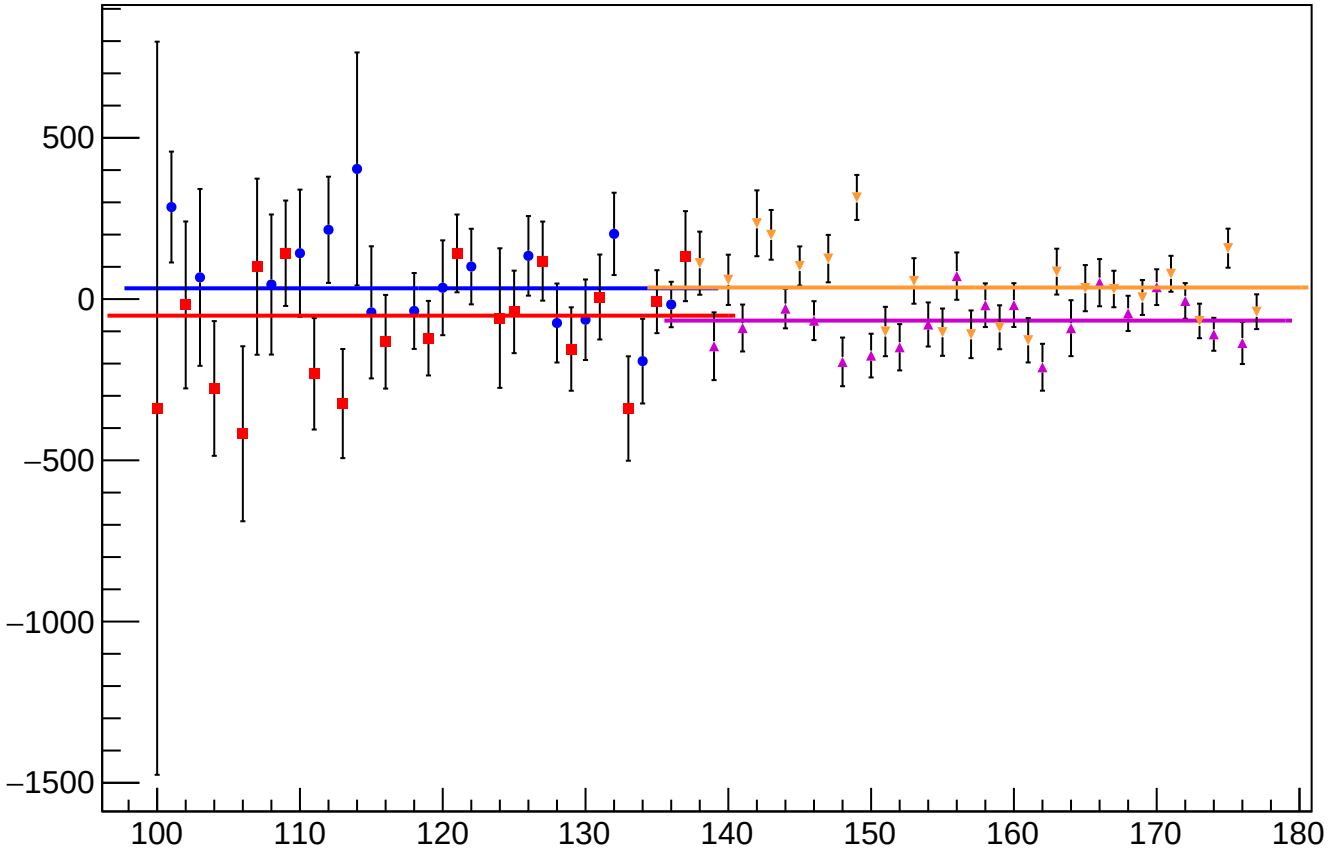
Left In: 0.000+/-0.000 χ^2/NDF:1975562.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 7673361.0/36

All: 0.000+/-0.000 χ^2/NDF: 16054295.6/74

- sign 0.000+/-0.000 χ^2/NDF: 8375901.1/37

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 35.904+/-14.596 χ^2/NDF:58.4/20

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

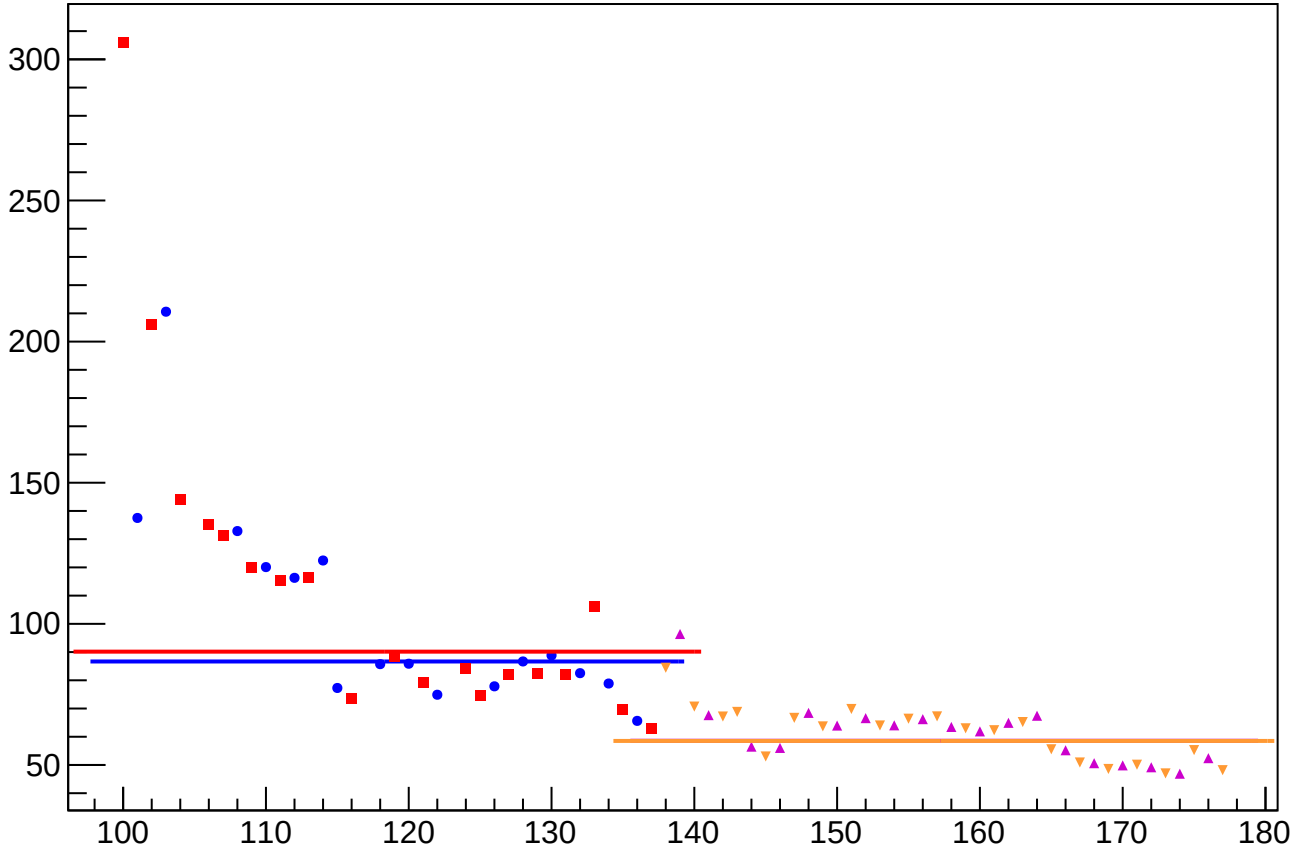
Left In: -66.695+/-15.146 χ^2/NDF:25.7/18

+ sign 35.517+/-13.405 χ^2/NDF: 71.2/36

All: -12.593+/-9.646 χ^2/NDF: 143.3/74

- sign -64.255+/-13.891 χ^2/NDF: 45.4/37

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 58.516+/-0.010 χ^2/NDF:754537.9/20

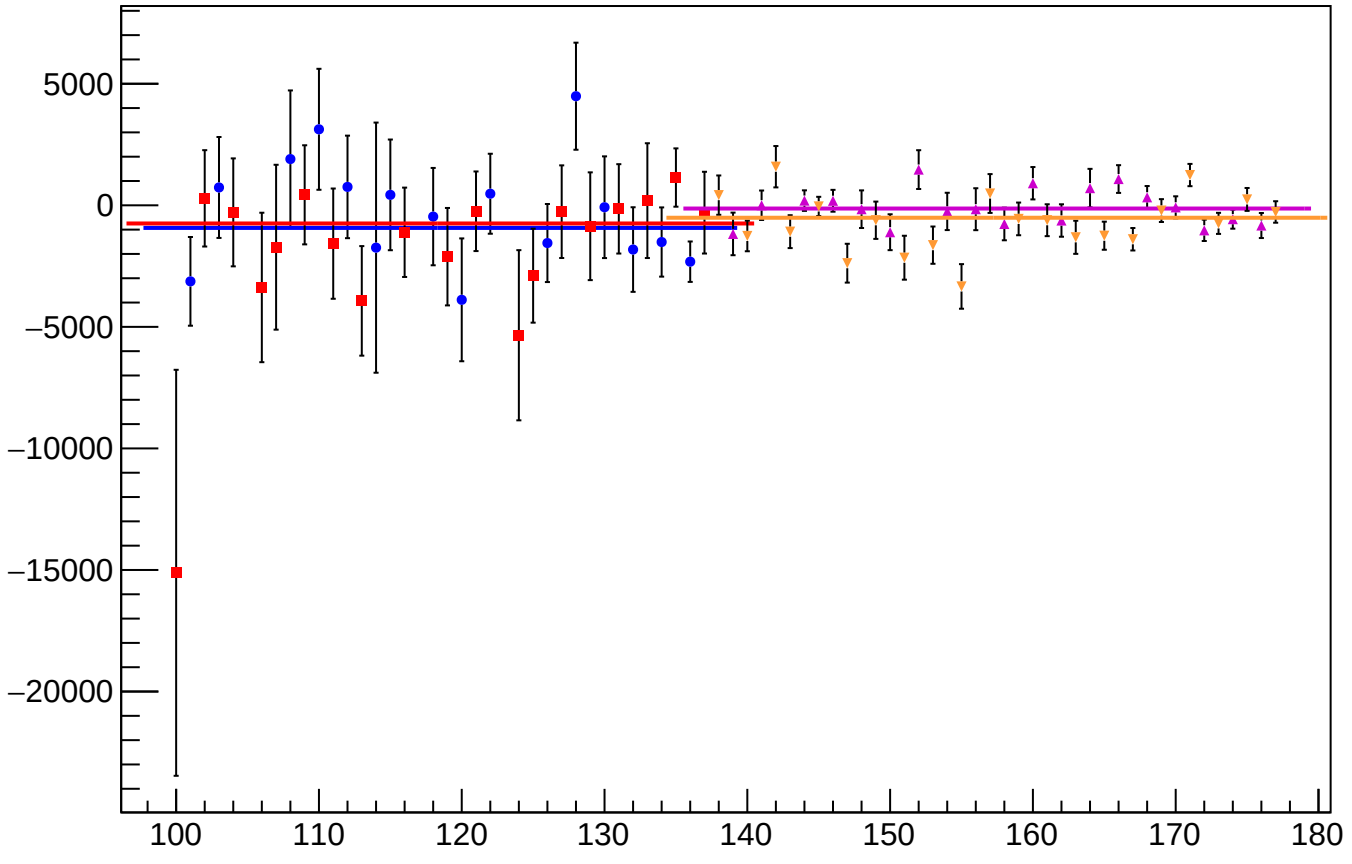
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

+ sign 62.923+/-0.009 χ^2/NDF: 2957873.9/36

All: 63.246+/-0.007 χ^2/NDF: 6221367.8/74

- sign 63.594+/-0.010 χ^2/NDF: 3261079.5/37



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -511.683+/-127.403 χ^2/NDF:57.9/20

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

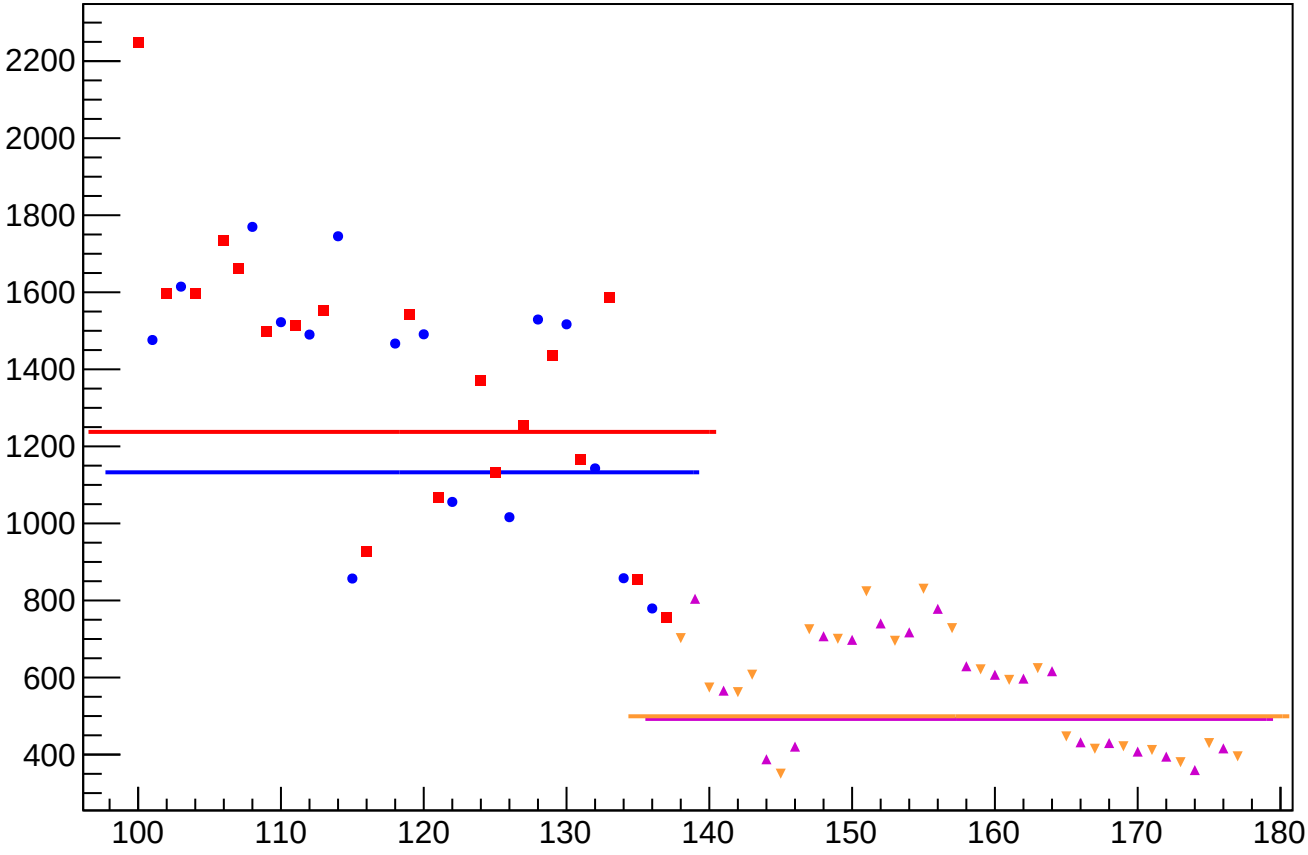
Left In: -132.461+/-130.100 χ^2/NDF:26.2/18

+ sign -543.907+/-122.395 χ^2/NDF: 77.3/36

All: -364.616+/-87.571 χ^2/NDF: 122.4/74

- sign -176.577+/-125.345 χ^2/NDF: 40.8/37

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 499.387+/-0.090 χ^2/NDF:2302166.1/20

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

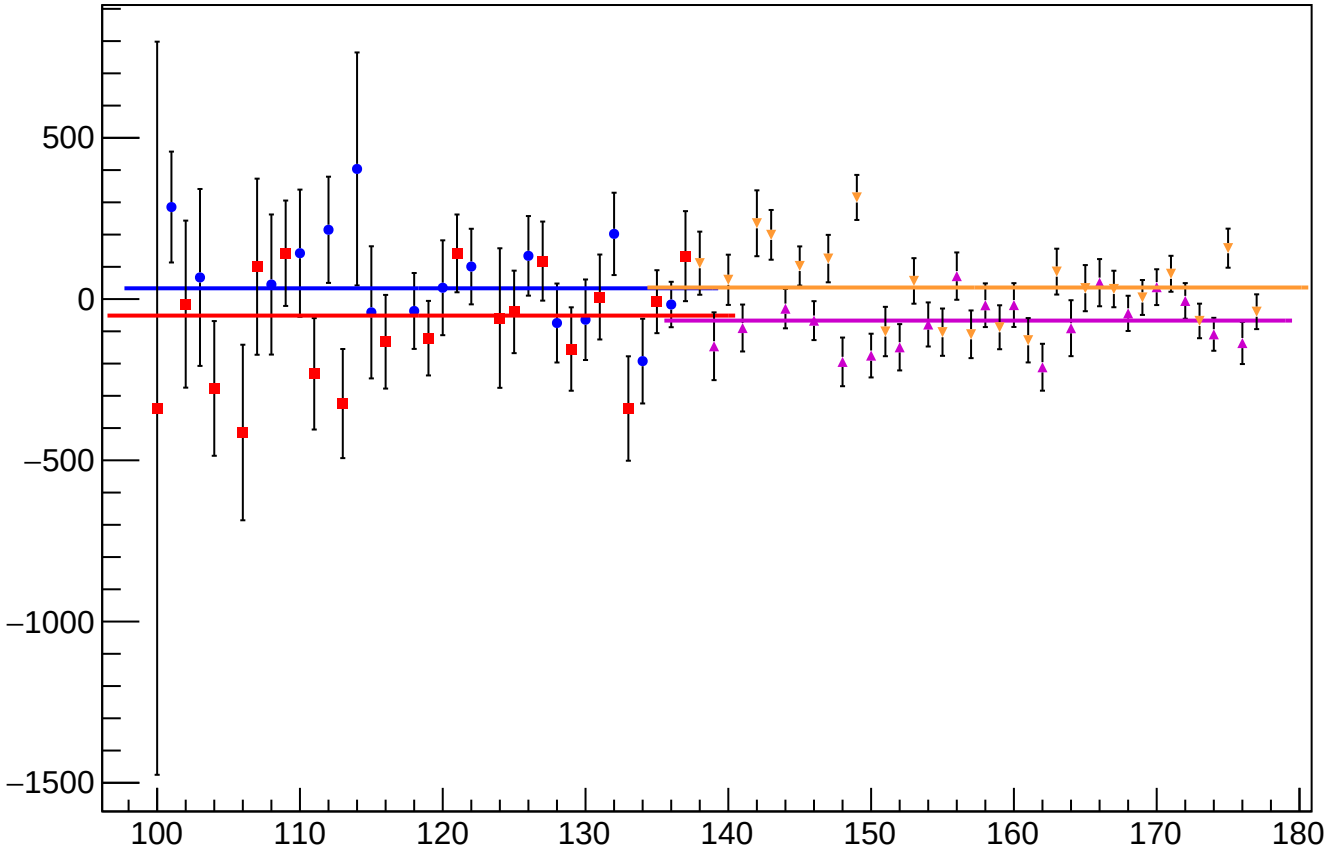
Left In: 492.566+/-0.092 χ^2/NDF:2092428.5/18

\+ sign 548.193+/-0.087 χ^2/NDF: 7234822.5/36

All: 547.138+/-0.062 χ^2/NDF: 14929599.3/74

\- sign 546.032+/-0.089 χ^2/NDF: 7694472.7/37

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 35.905+/-14.596 χ^2/NDF:58.4/20

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

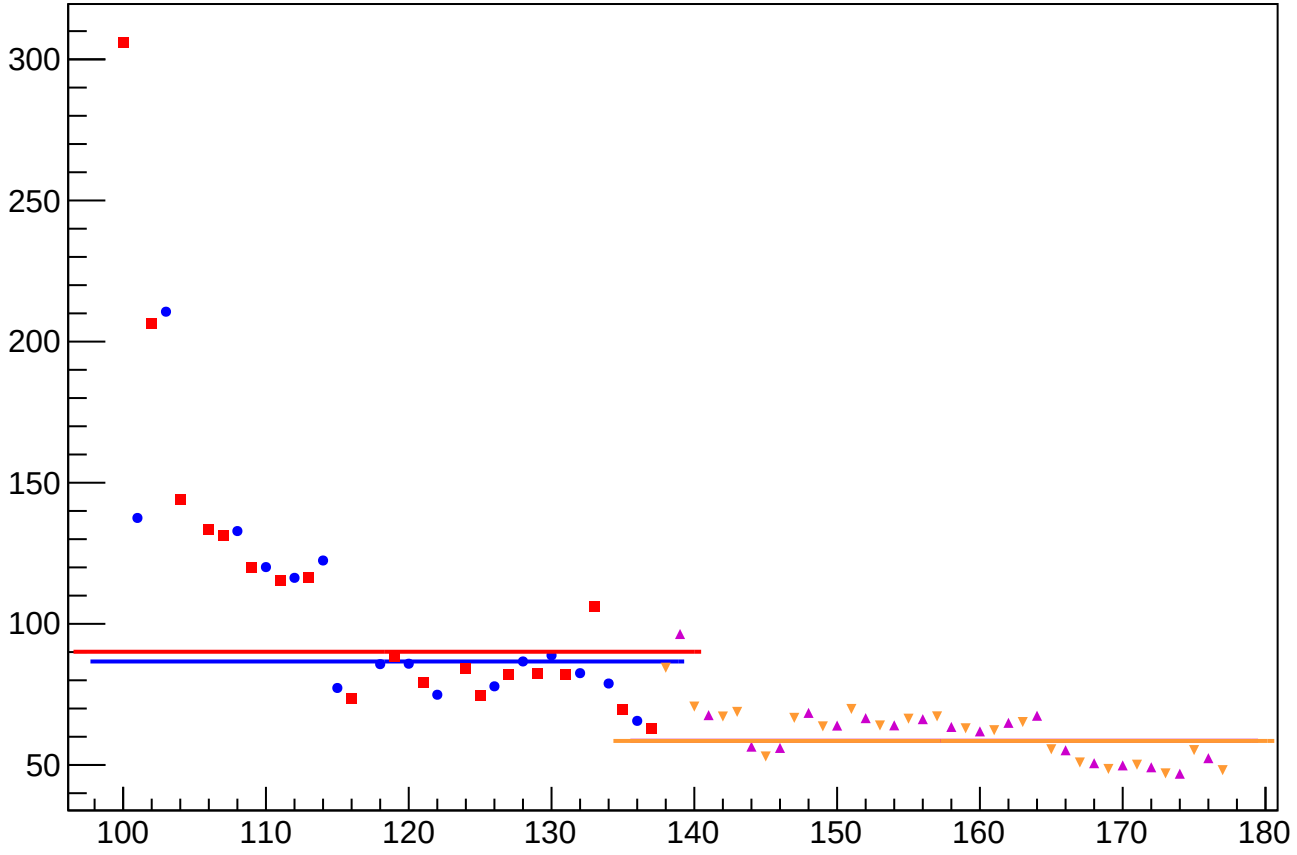
Left In: -66.693+/-15.146 χ^2/NDF:25.7/18

+ sign 35.516+/-13.405 χ^2/NDF: 71.2/36

All: -12.581+/-9.646 χ^2/NDF: 143.3/74

- sign -64.230+/-13.891 χ^2/NDF: 45.4/37

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.516+/-0.010 χ^2/NDF:754537.8/20

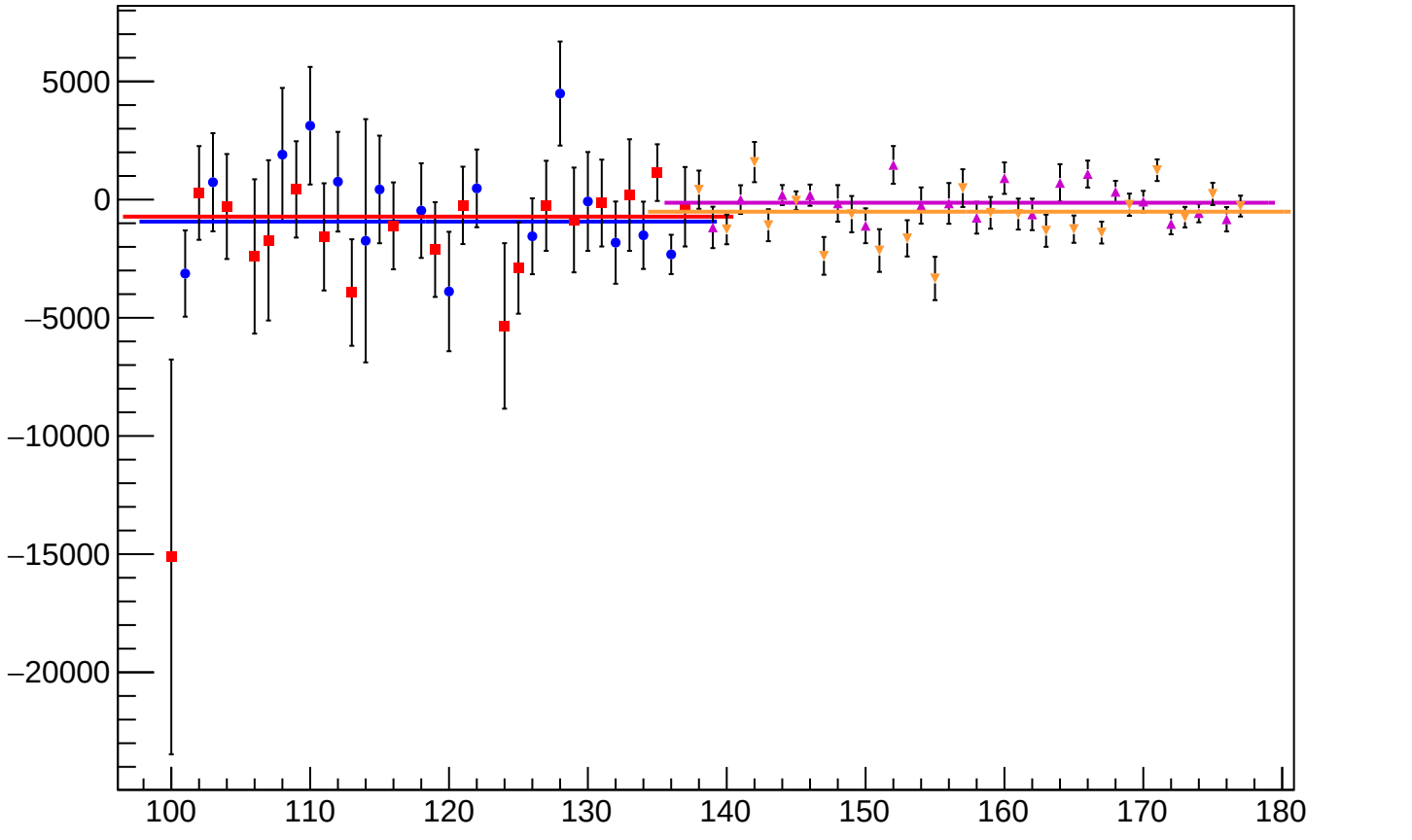
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

+ sign 62.923+/-0.009 χ^2/NDF: 2957876.1/36

All: 63.243+/-0.007 χ^2/NDF: 6213247.0/74

- sign 63.587+/-0.010 χ^2/NDF: 3253002.4/37



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -511.680+/-127.403 χ^2/NDF:57.9/20

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

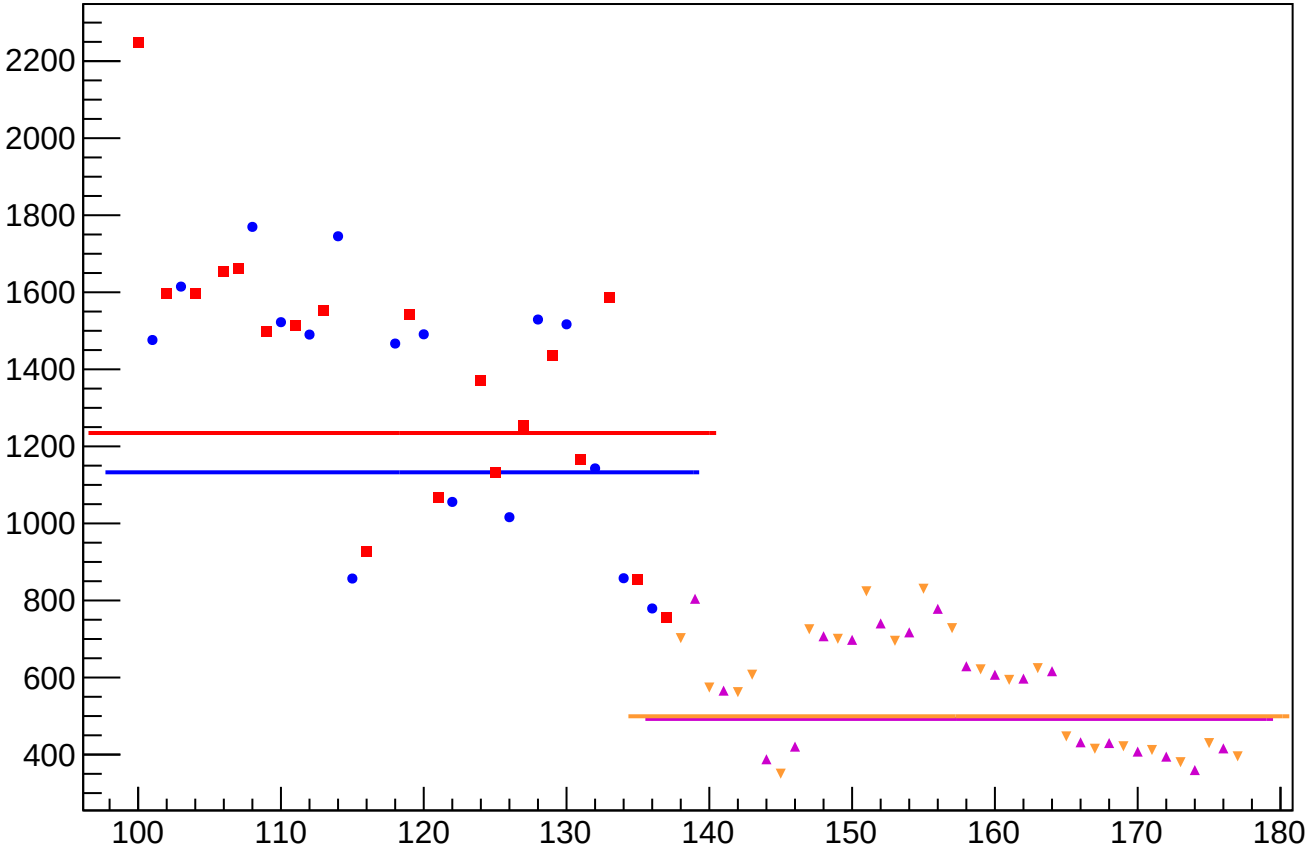
Left In: -132.459+/-130.100 χ^2/NDF:26.2/18

+ sign -543.902+/-122.395 χ^2/NDF: 77.3/36

All: -363.646+/-87.575 χ^2/NDF: 121.9/74

- sign -174.560+/-125.358 χ^2/NDF: 40.1/37

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 499.387+/-0.090 χ^2/NDF:2302171.3/20

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

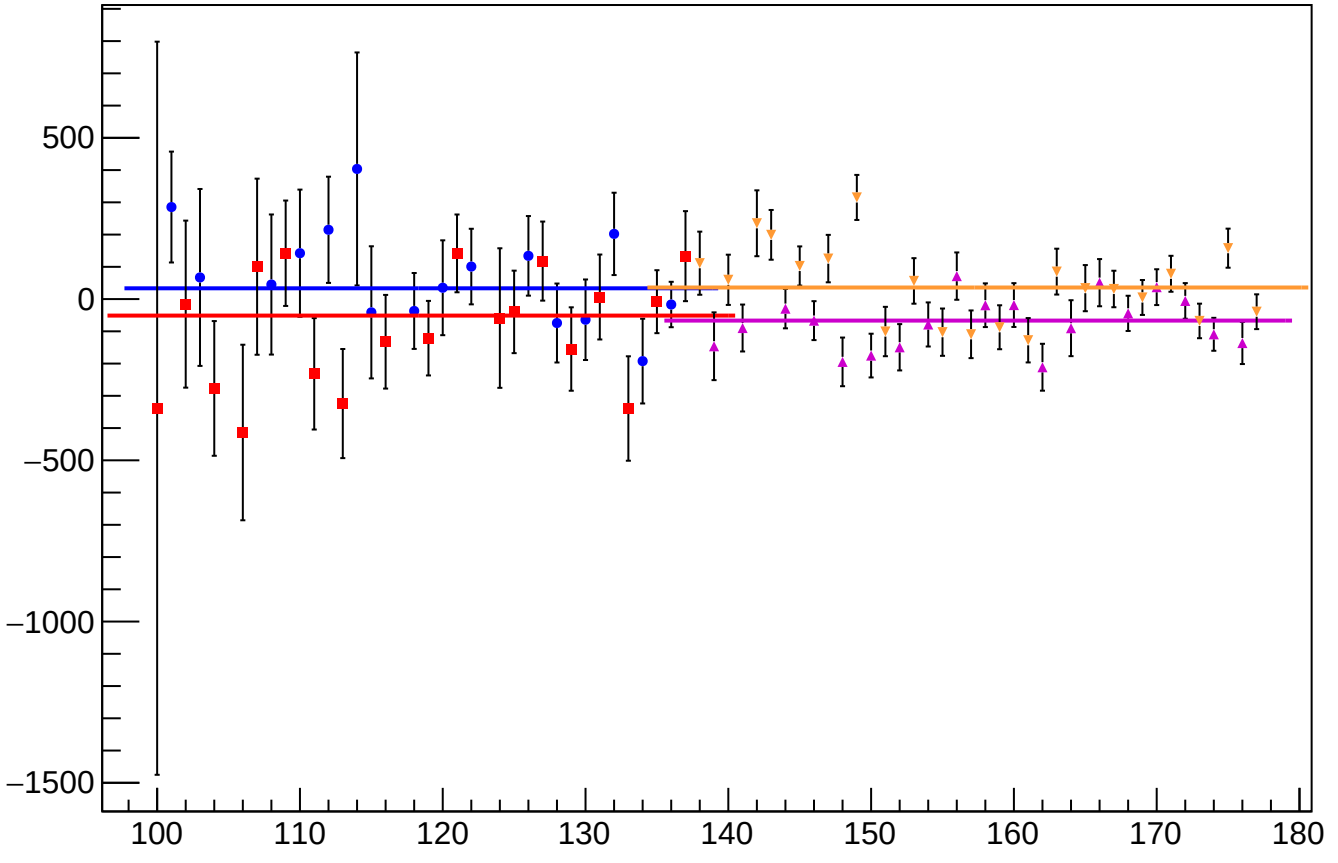
Left In: 492.566+/-0.092 χ^2/NDF:2092430.5/18

+ sign 548.192+/-0.087 χ^2/NDF: 7234864.6/36

All: 546.972+/-0.062 χ^2/NDF: 14862564.8/74

- sign 545.691+/-0.089 χ^2/NDF: 7627292.6/37

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 35.905+/-14.596 χ^2/NDF:58.4/20

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

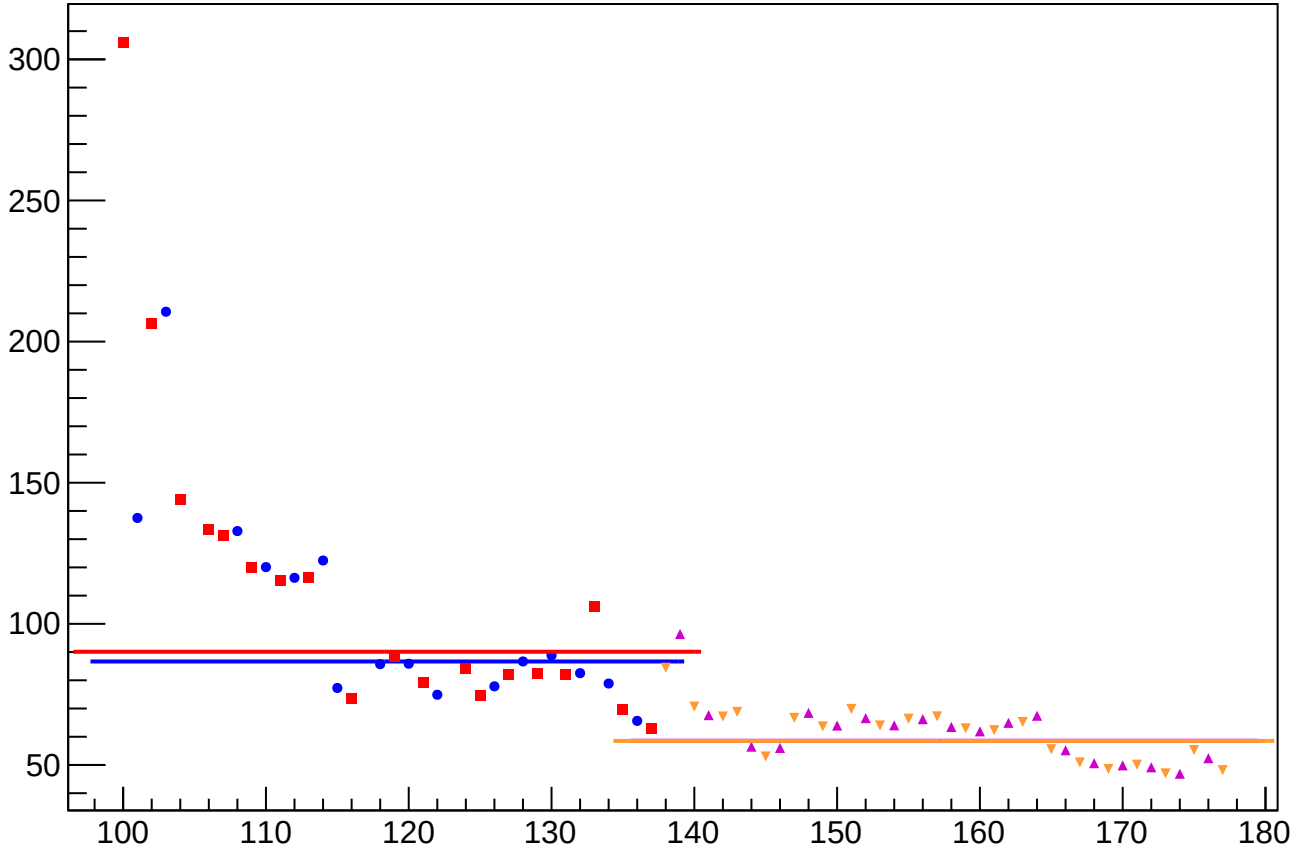
Left In: -66.693+/-15.146 χ^2/NDF:25.7/18

+ sign 35.516+/-13.405 χ^2/NDF: 71.2/36

All: -12.581+/-9.646 χ^2/NDF: 143.3/74

- sign -64.230+/-13.891 χ^2/NDF: 45.4/37

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.516+/-0.010 χ^2/NDF:754537.8/20

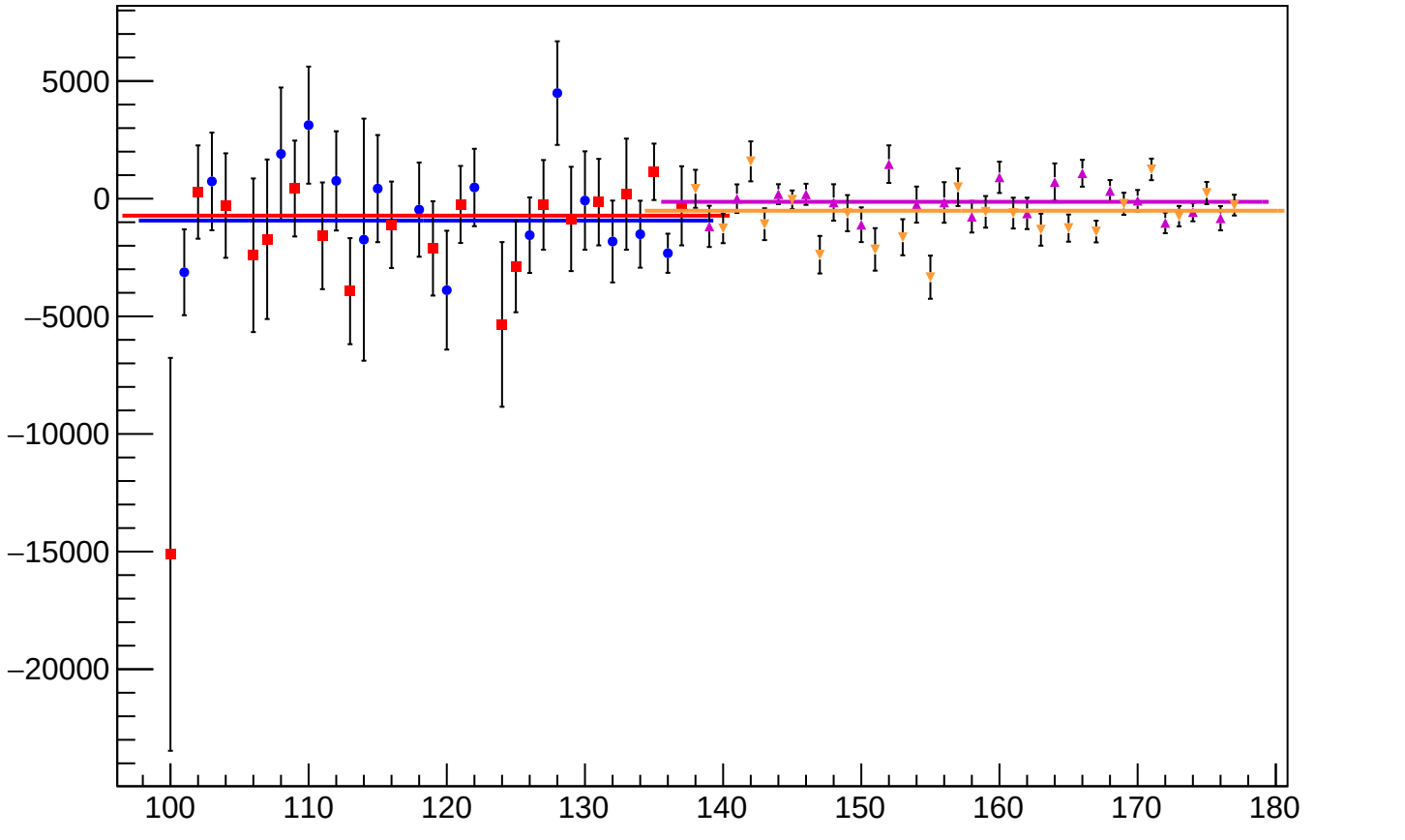
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

+ sign 62.923+/-0.009 χ^2/NDF: 2957876.1/36

All: 63.243+/-0.007 χ^2/NDF: 6213247.0/74

- sign 63.587+/-0.010 χ^2/NDF: 3253002.4/37



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -511.680+/-127.403 χ^2/NDF:57.9/20

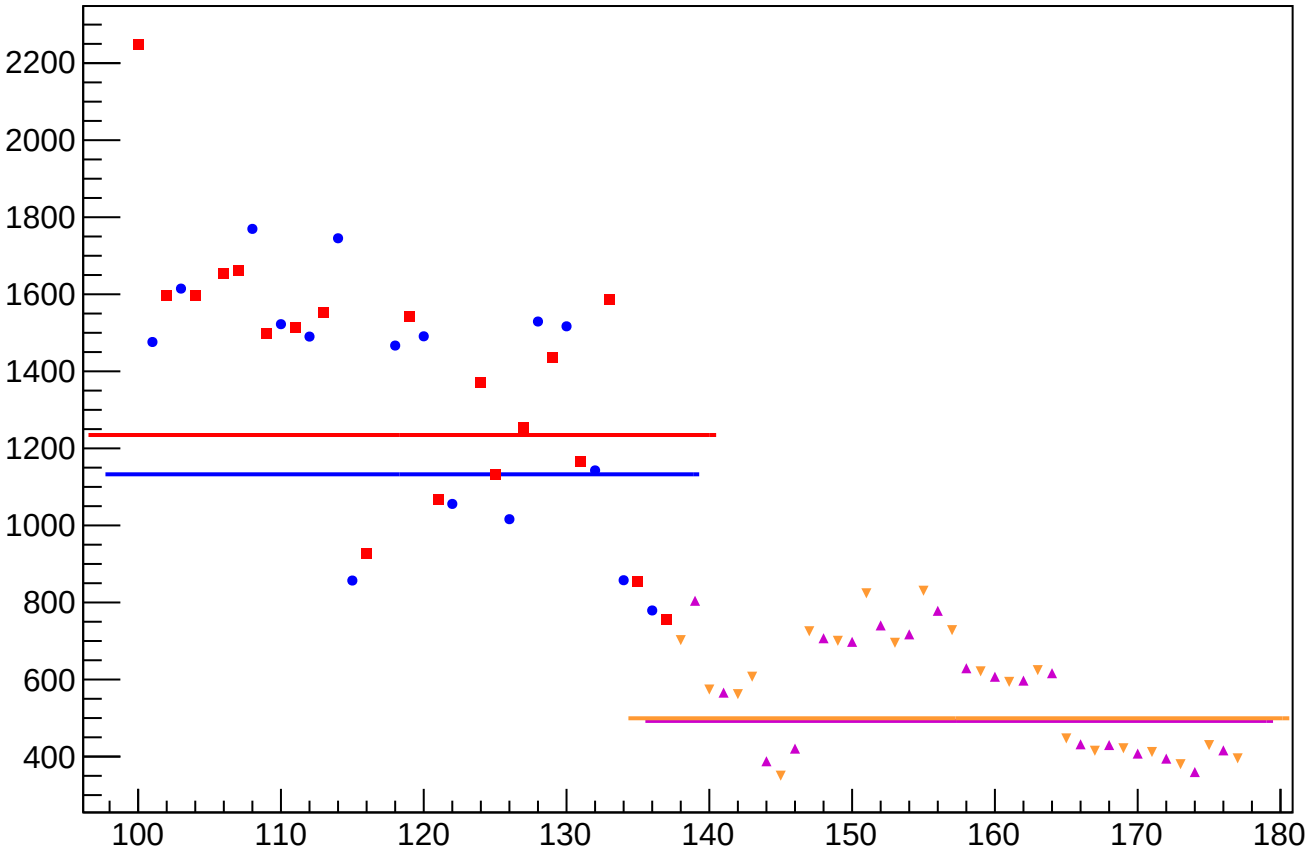
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -132.459+/-130.100 χ^2/NDF:26.2/18

+ sign -543.902+/-122.395 χ^2/NDF: 77.3/36

All: -363.646+/-87.575 χ^2/NDF: 121.9/74

- sign -174.560+/-125.358 χ^2/NDF: 40.1/37



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 499.387+/-0.090 χ^2/NDF:2302171.3/20

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

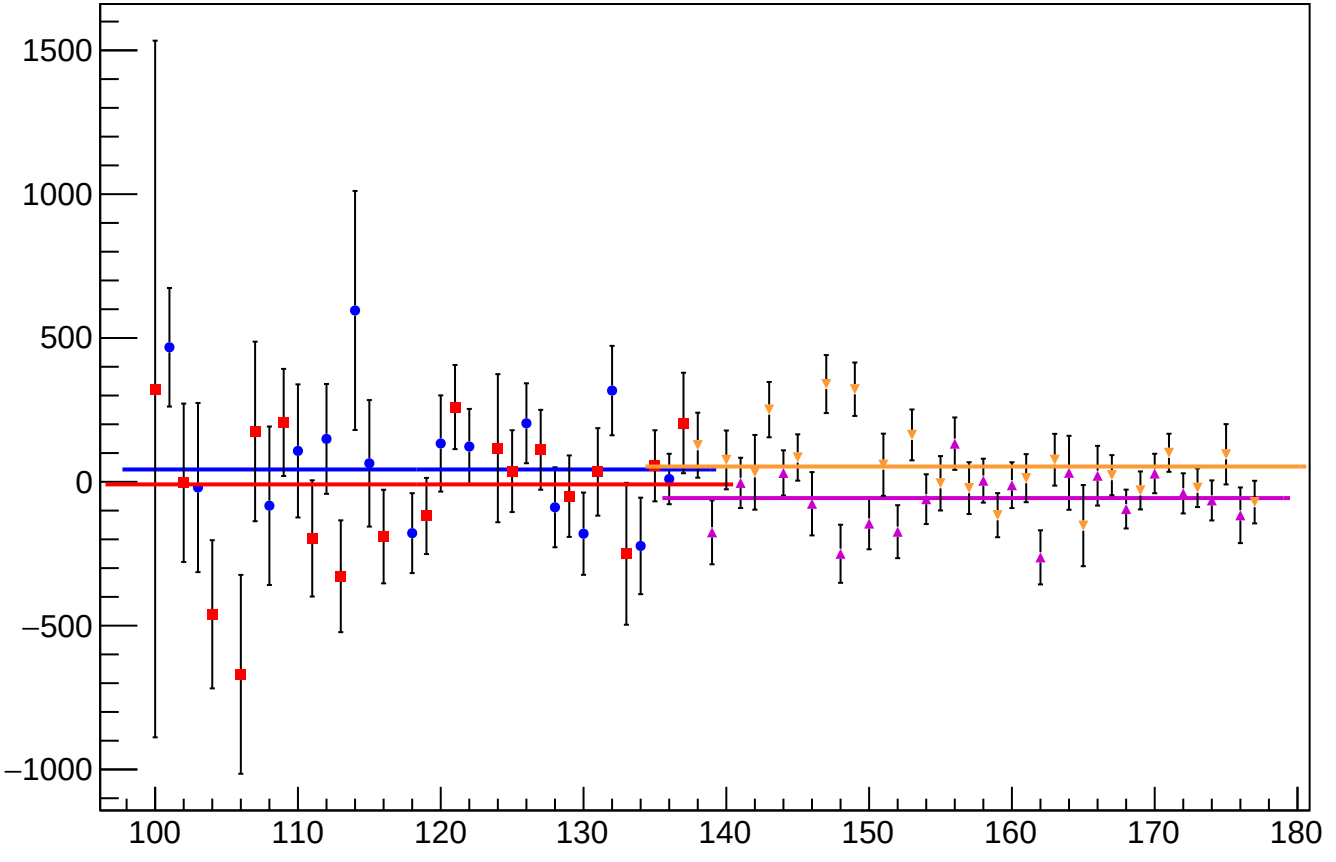
Left In: 492.566+/-0.092 χ^2/NDF:2092430.5/18

+ sign 548.192+/-0.087 χ^2/NDF: 7234864.6/36

All: 546.972+/-0.062 χ^2/NDF: 14862564.8/74

- sign 545.691+/-0.089 χ^2/NDF: 7627292.6/37

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 53.178+/-18.883 χ^2/NDF:37.7/20

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

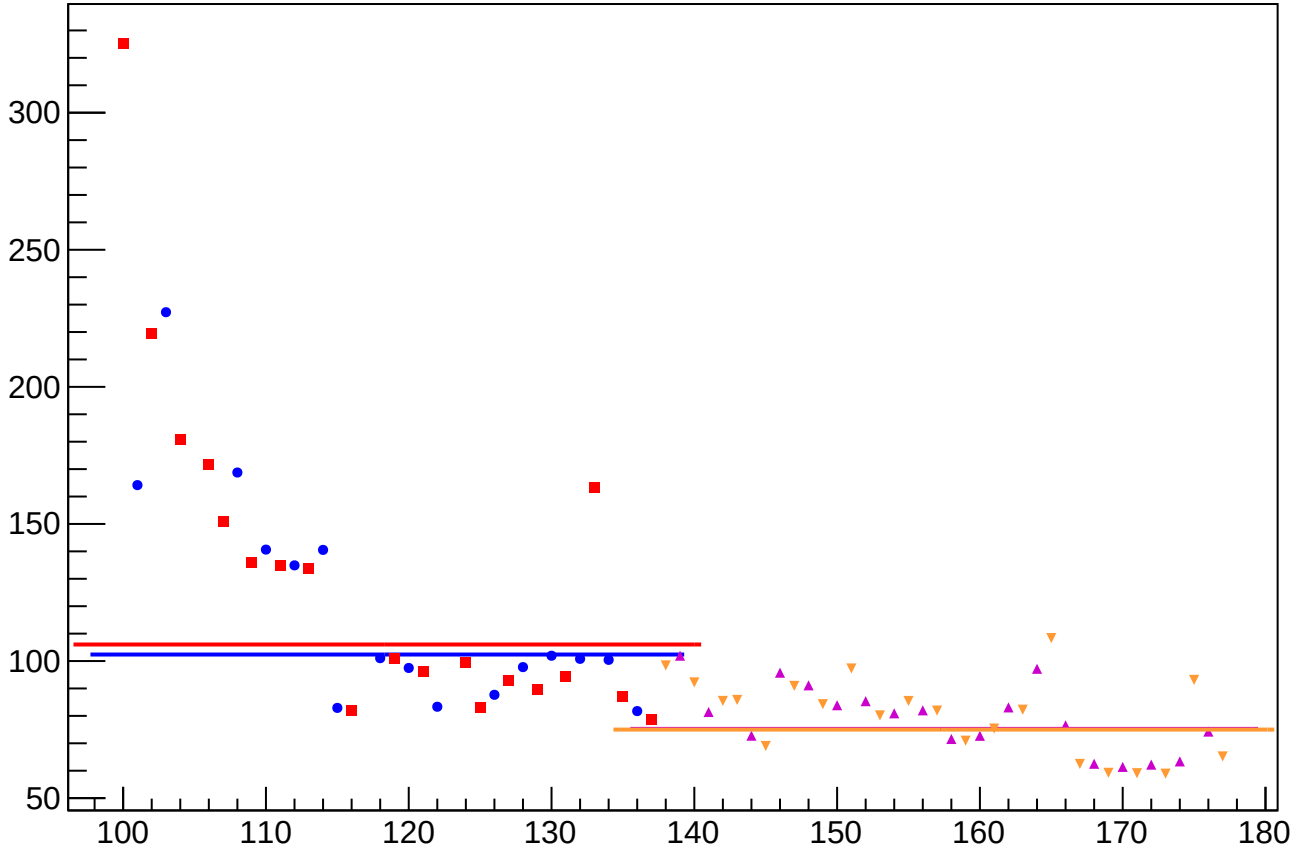
Left In: -56.506+/-19.620 χ^2/NDF:22.5/18

+ sign 51.303+/-17.072 χ^2/NDF: 58.1/36

All: 3.610+/-12.289 χ^2/NDF: 119.2/74

- sign -47.673+/-17.703 χ^2/NDF: 44.9/37

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 74.999+/-0.013 χ^2/NDF:1023680.0/20

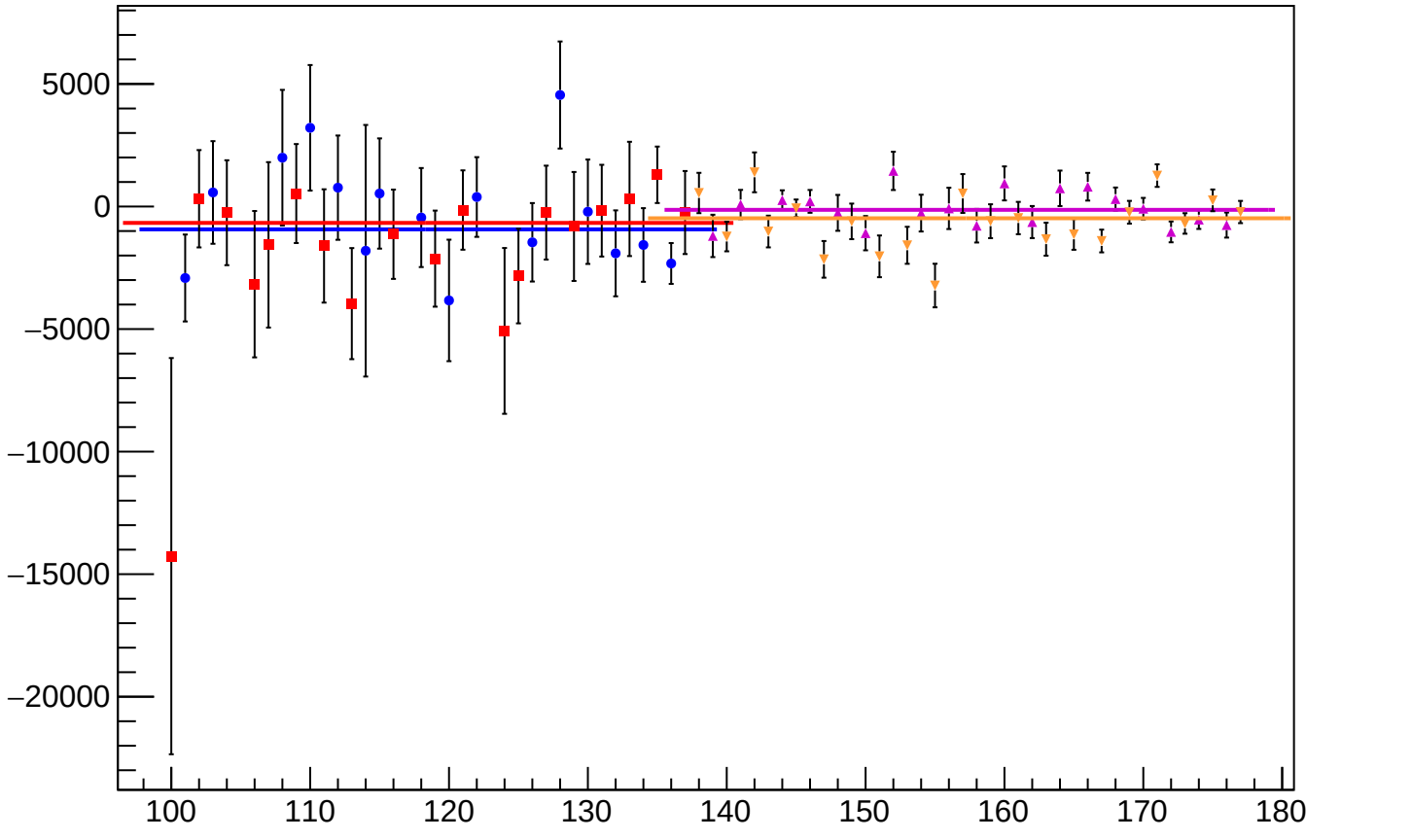
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 75.258+/-0.014 χ^2/NDF:668251.7/18

+ sign 80.000+/-0.012 χ^2/NDF: 2773879.9/36

All: 80.472+/-0.009 χ^2/NDF: 5551247.3/74

- sign 80.979+/-0.013 χ^2/NDF: 2774197.3/37



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -479.364+/-124.631 χ^2/NDF:56.7/20

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

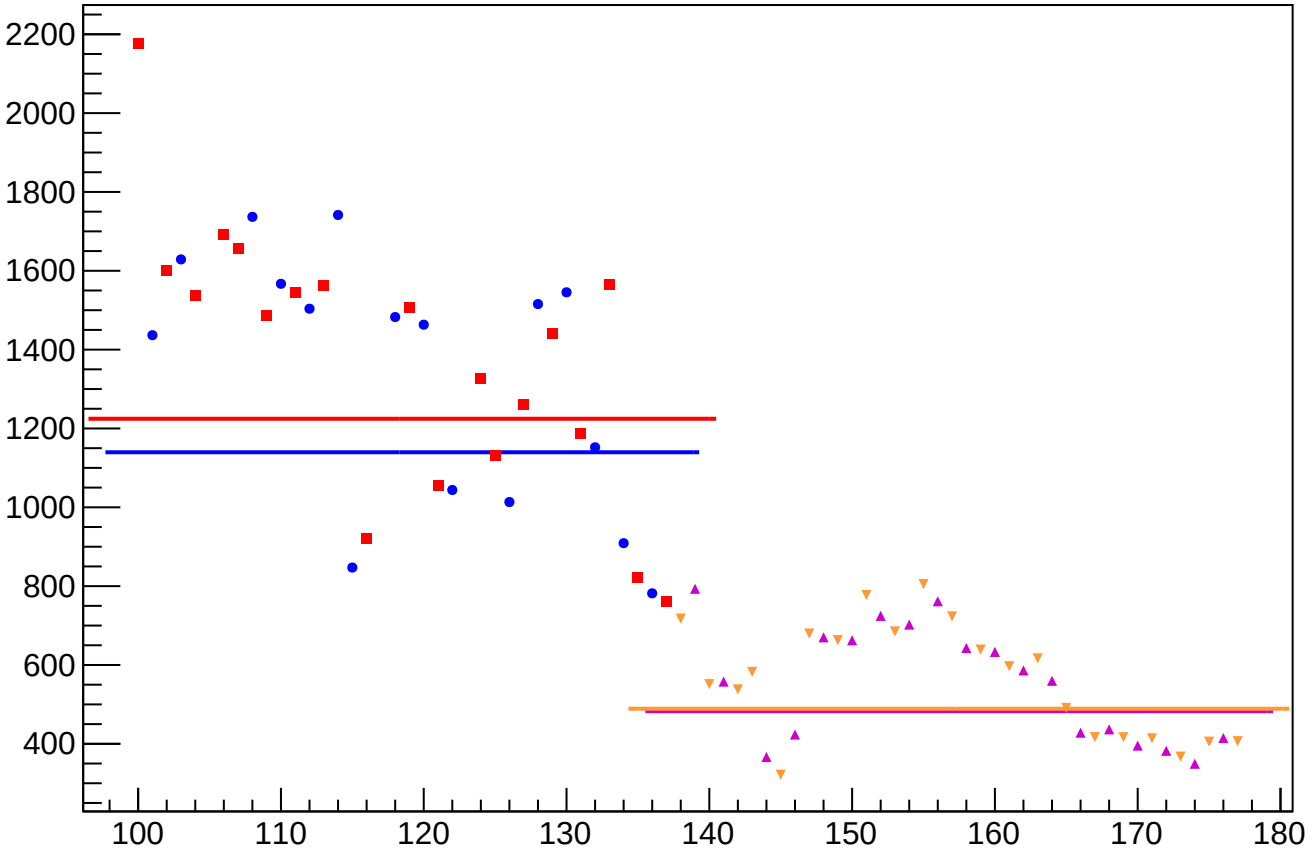
Left In: -135.391+/-127.717 χ^2/NDF:25.3/18

+ sign -512.628+/-119.968 χ^2/NDF: 76.1/36

All: -347.249+/-85.924 χ^2/NDF: 120.1/74

- sign -173.057+/-123.123 χ^2/NDF: 40.0/37

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 489.038+/-0.088 χ^2/NDF:2372050.9/20

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

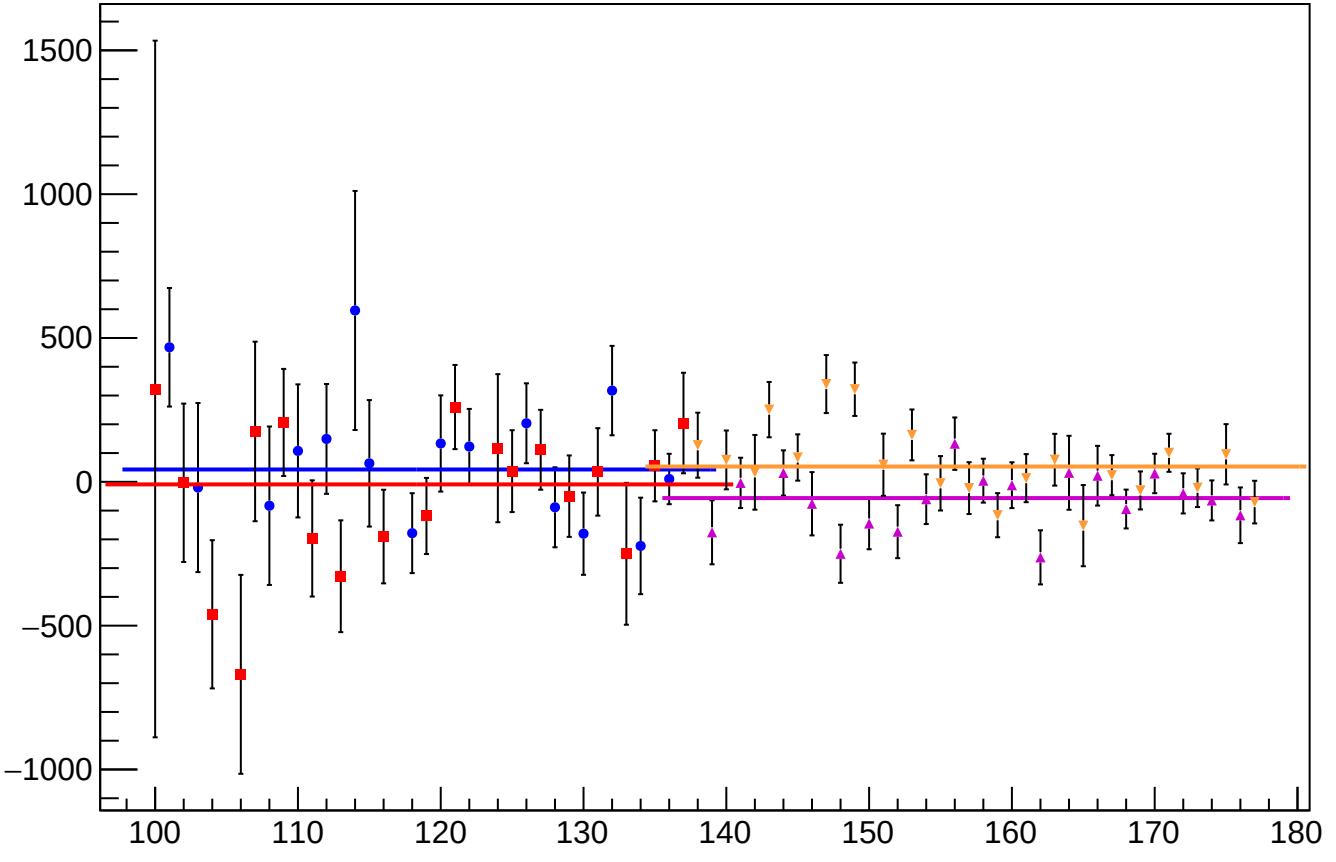
Left In: 482.751+/-0.090 χ^2/NDF:2122725.0/18

+ sign 536.812+/-0.085 χ^2/NDF: 7467640.2/36

All: 536.010+/-0.061 χ^2/NDF: 15280788.9/74

- sign 535.165+/-0.087 χ^2/NDF: 7812965.3/37

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 53.177+/-18.883 χ^2/NDF:37.7/20

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

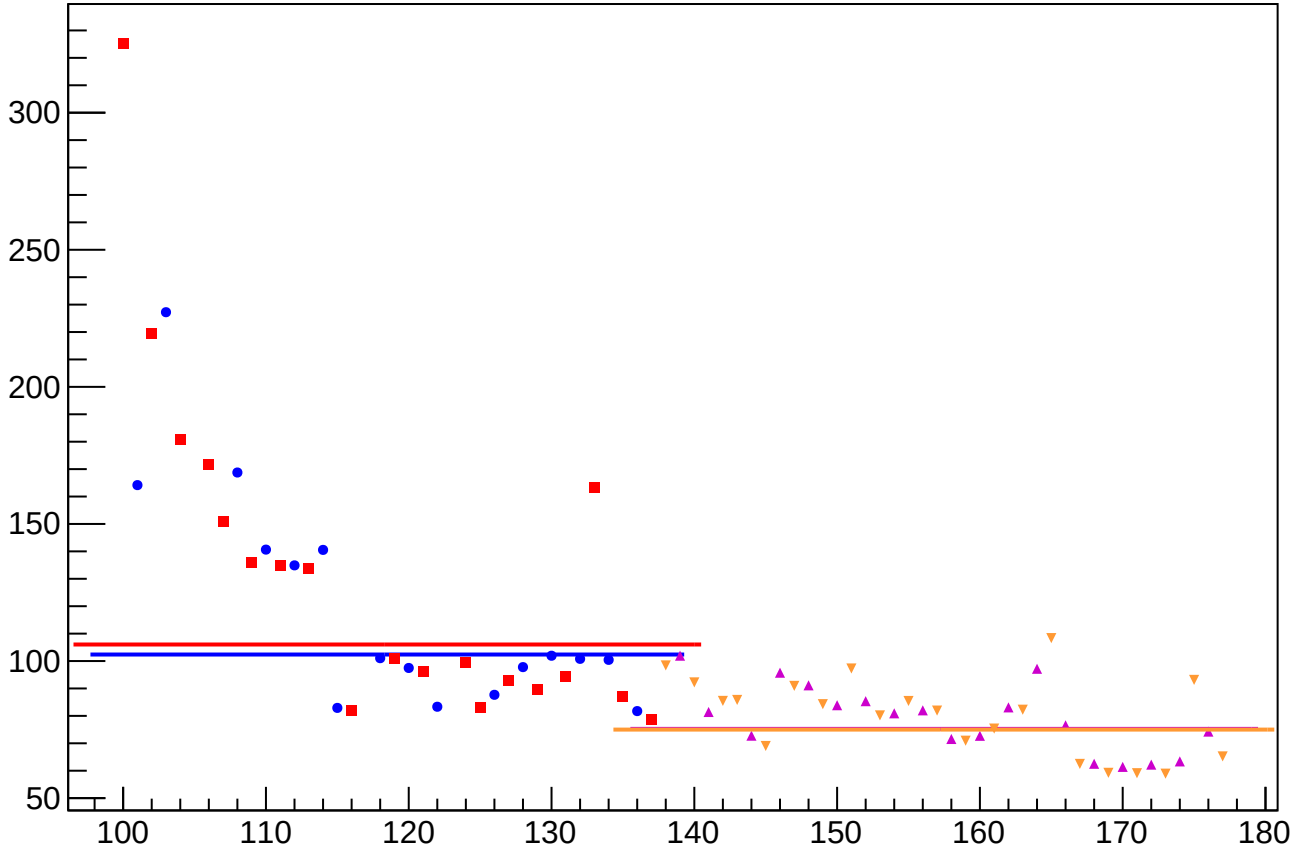
Left In: -56.505+/-19.620 χ^2/NDF:22.5/18

+ sign 51.302+/-17.072 χ^2/NDF: 58.1/36

All: 3.610+/-12.289 χ^2/NDF: 119.2/74

- sign -47.672+/-17.703 χ^2/NDF: 44.9/37

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.000+/-0.013 χ^2/NDF:1023677.7/20

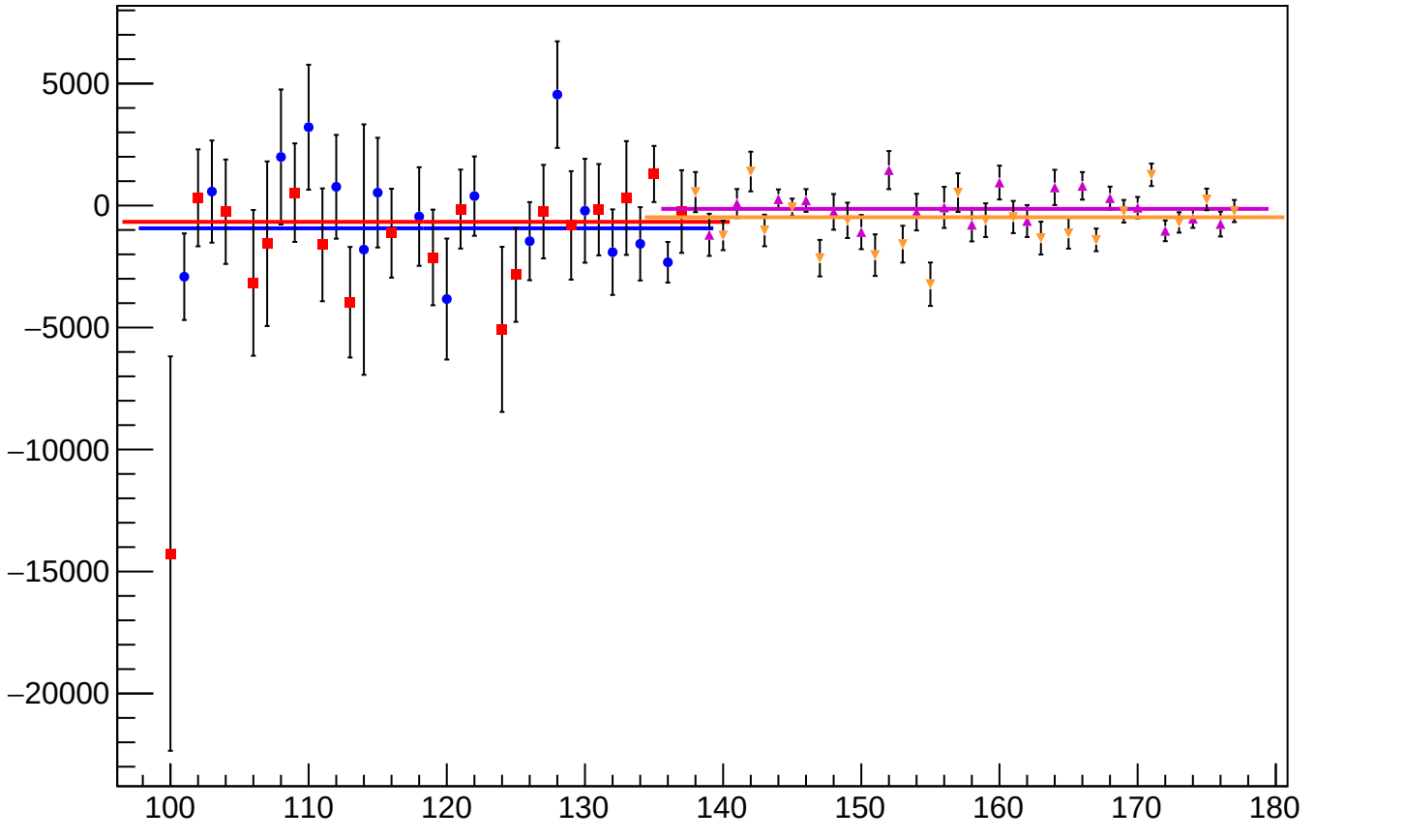
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.258+/-0.014 χ^2/NDF:668247.7/18

+ sign 80.000+/-0.012 χ^2/NDF: 2773848.7/36

All: 80.472+/-0.009 χ^2/NDF: 5551191.3/74

- sign 80.979+/-0.013 χ^2/NDF: 2774172.1/37



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -479.363+/-124.631 χ^2/NDF:56.7/20

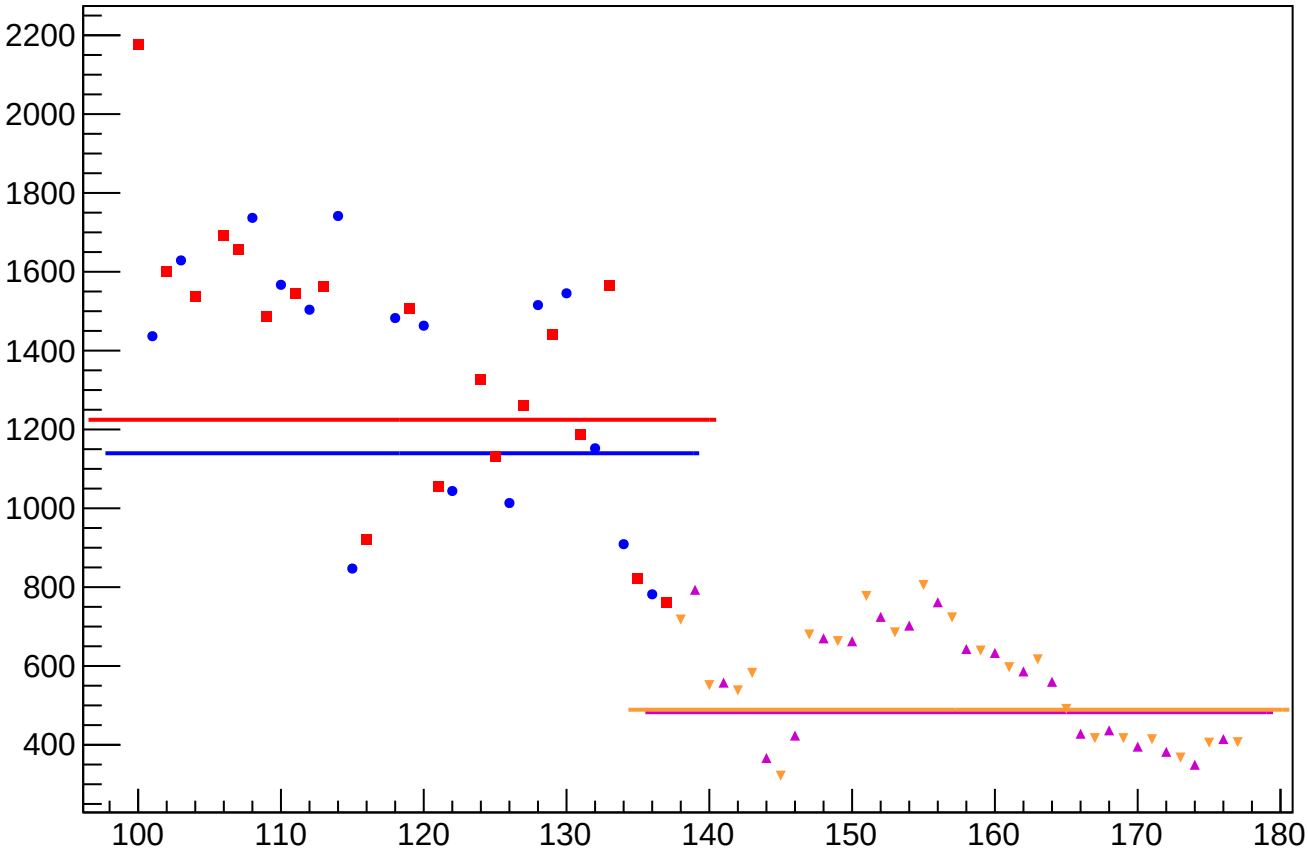
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -135.390+/-127.717 χ^2/NDF:25.3/18

\+ sign -512.628+/-119.968 χ^2/NDF: 76.1/36

All: -347.248+/-85.924 χ^2/NDF: 120.1/74

\- sign -173.056+/-123.123 χ^2/NDF: 40.0/37



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 489.037+/-0.088 χ^2/NDF:2372055.1/20

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

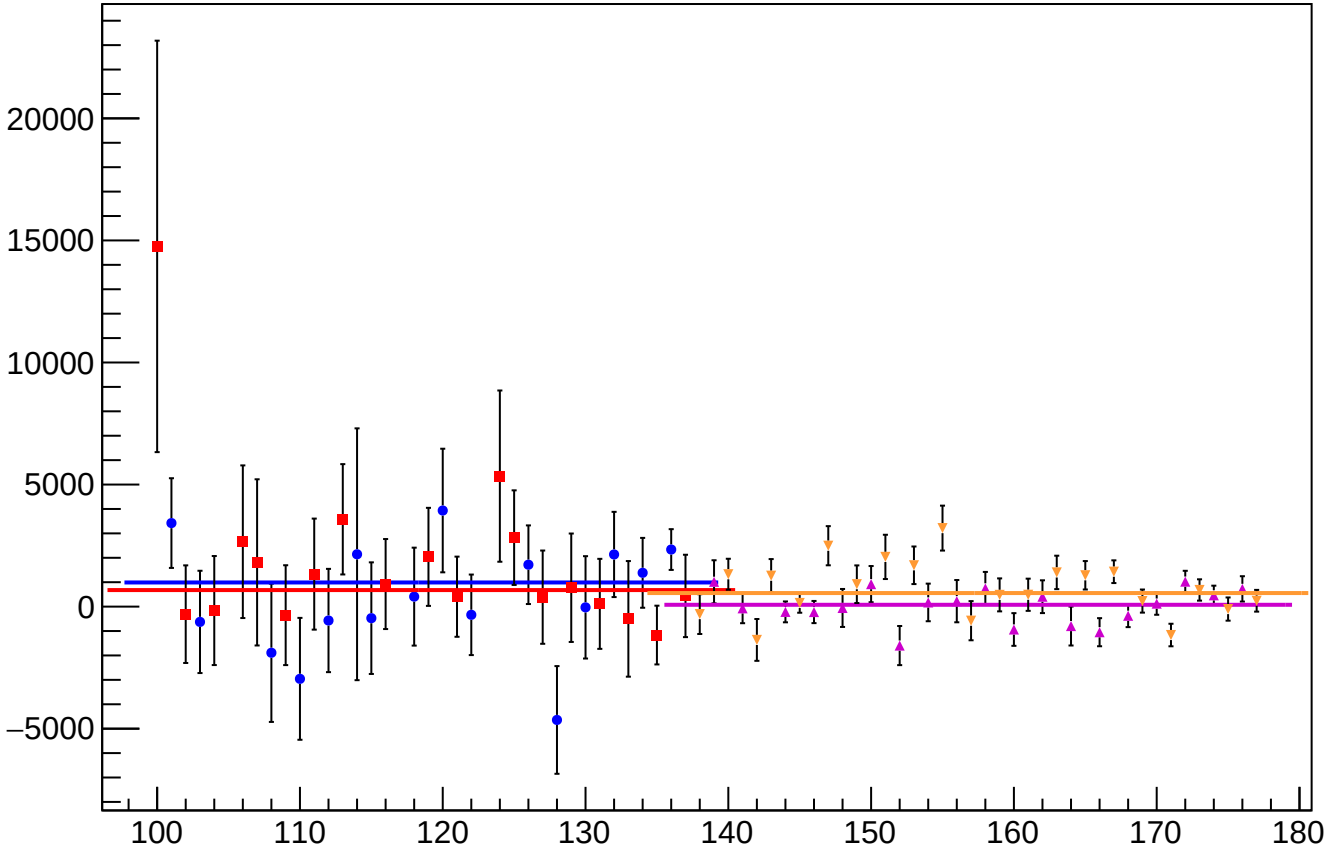
Left In: 482.750+/-0.090 χ^2/NDF:2122718.1/18

\+ sign 536.811+/-0.085 χ^2/NDF: 7467633.1/36

All: 536.010+/-0.061 χ^2/NDF: 15280758.4/74

\- sign 535.165+/-0.087 χ^2/NDF: 7812942.0/37

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 555.841+/-128.338 χ^2/NDF:54.5/20

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

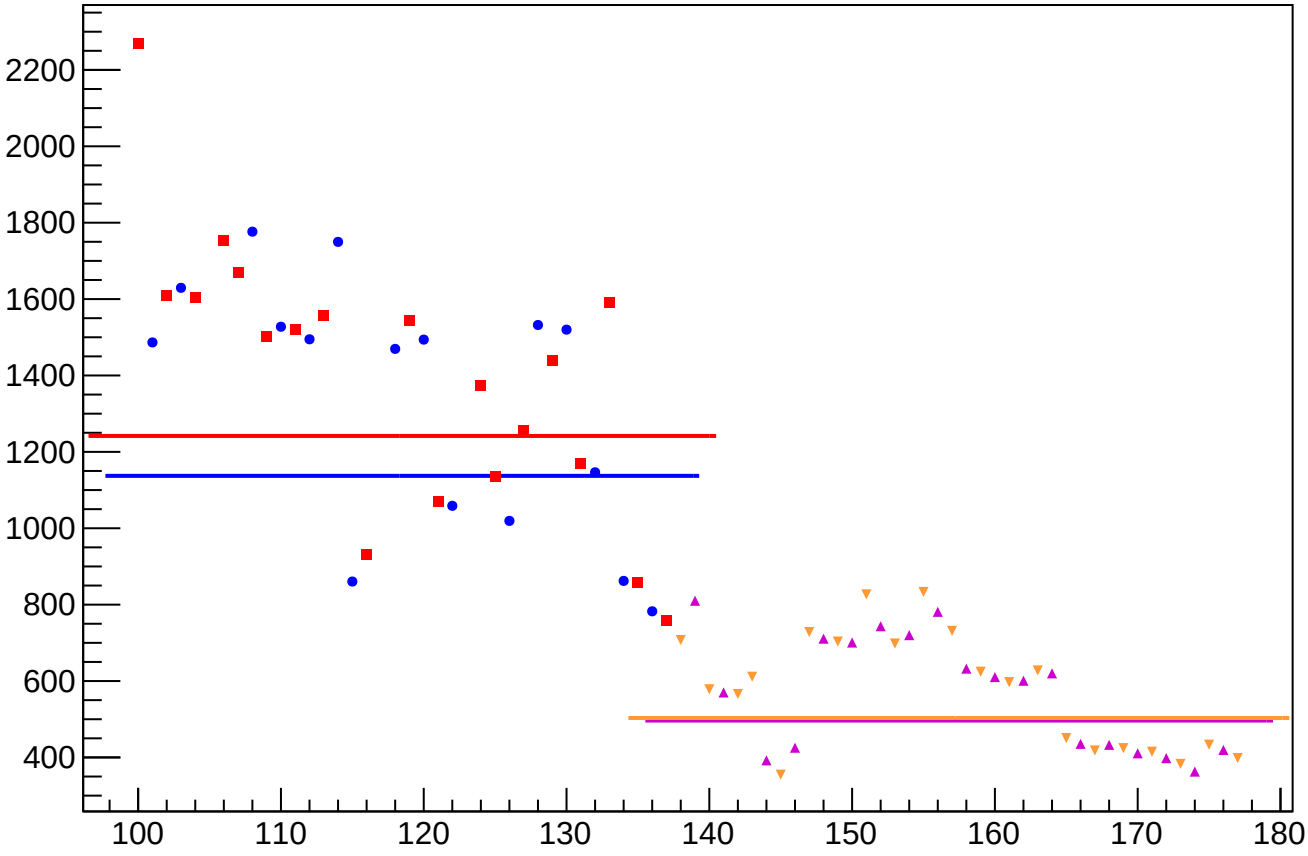
Left In: 74.817+/-131.106 χ^2/NDF:24.4/18

+ sign 589.456+/-123.262 χ^2/NDF: 74.4/36

All: 359.619+/-88.206 χ^2/NDF: 119.4/74

- sign 118.396+/-126.278 χ^2/NDF: 37.8/37

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 503.285+/-0.091 χ^2/NDF:2273280.7/20

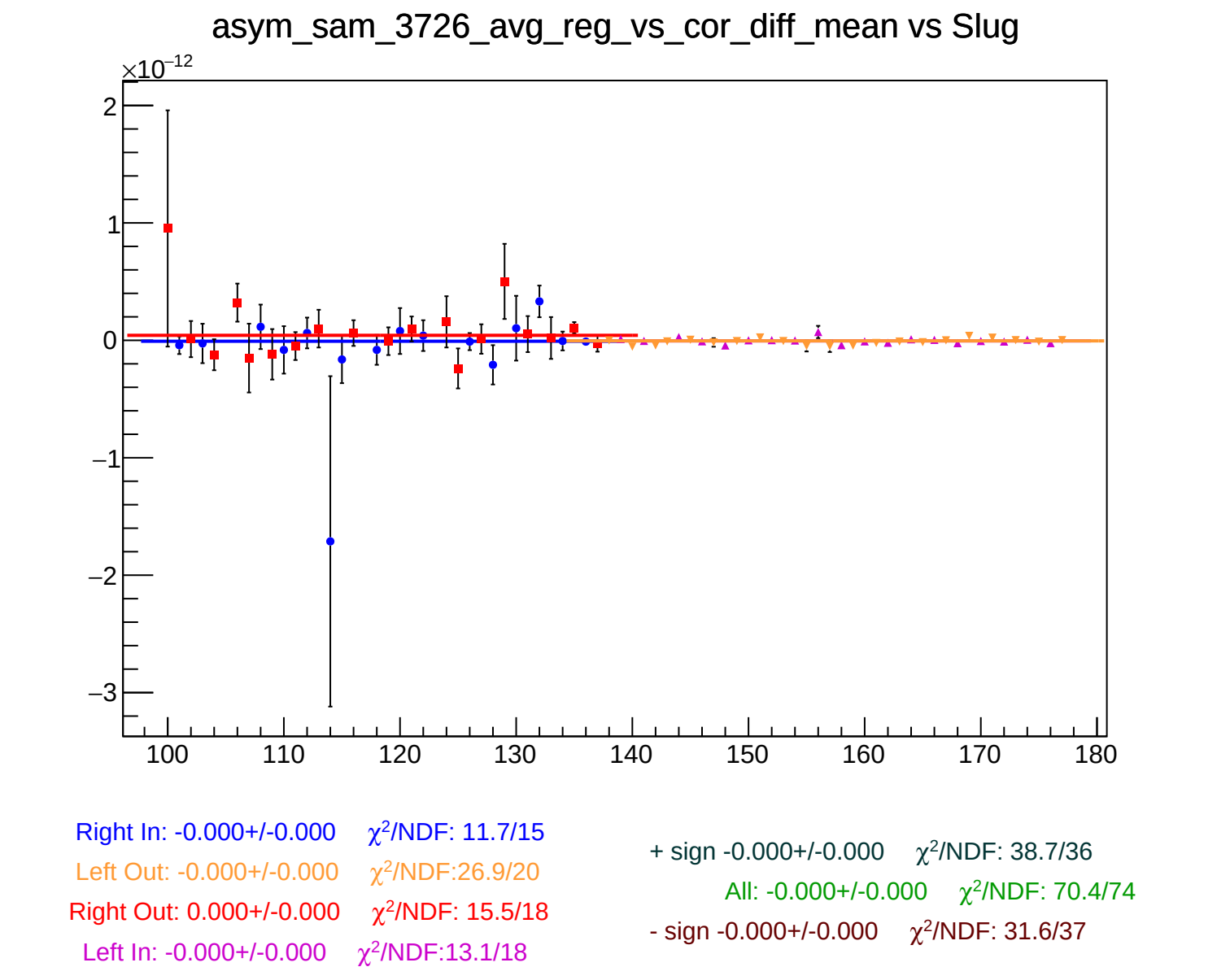
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

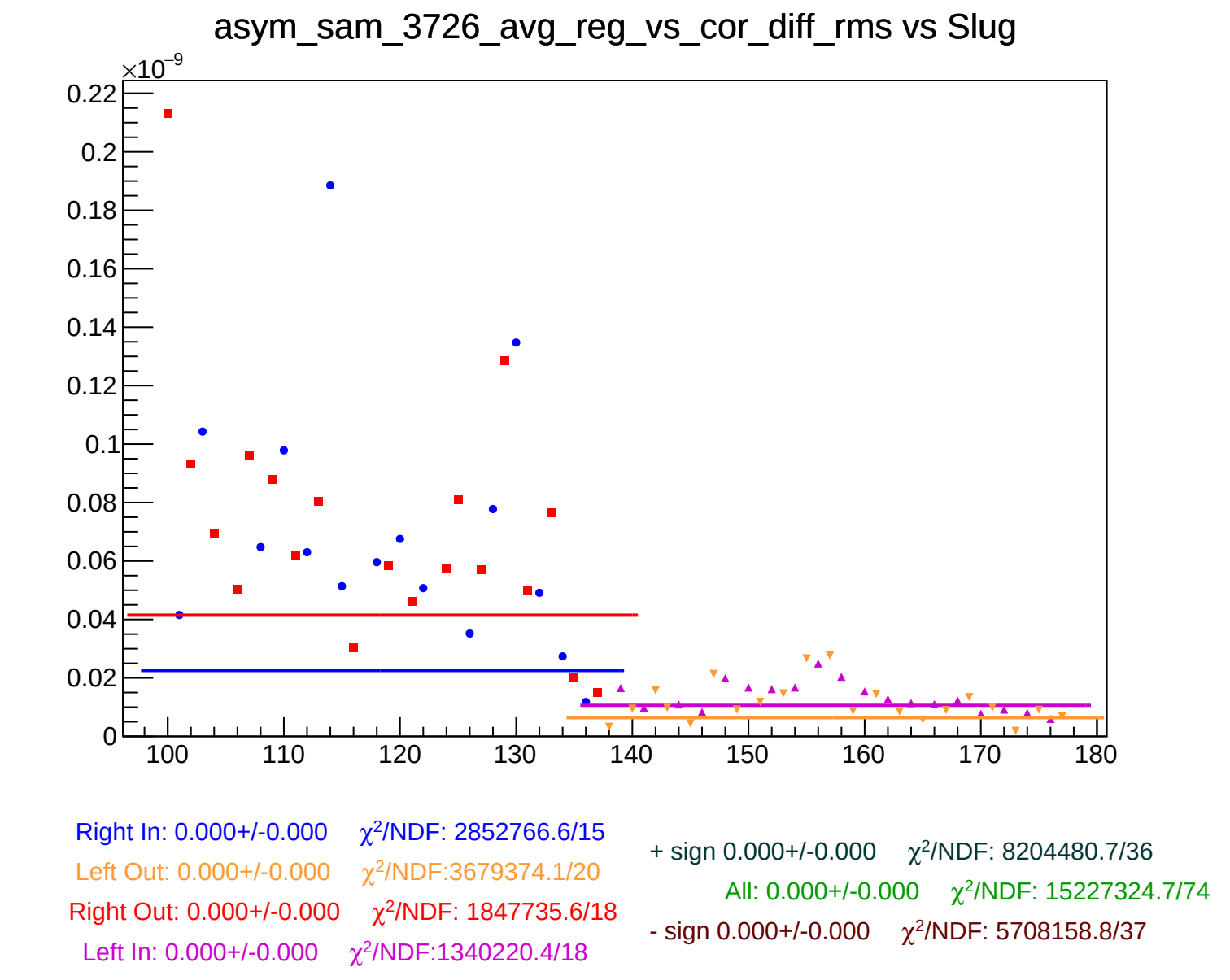
Left In: 496.609+/-0.093 χ^2/NDF:2065797.7/18

+ sign 552.445+/-0.087 χ^2/NDF: 7181154.2/36

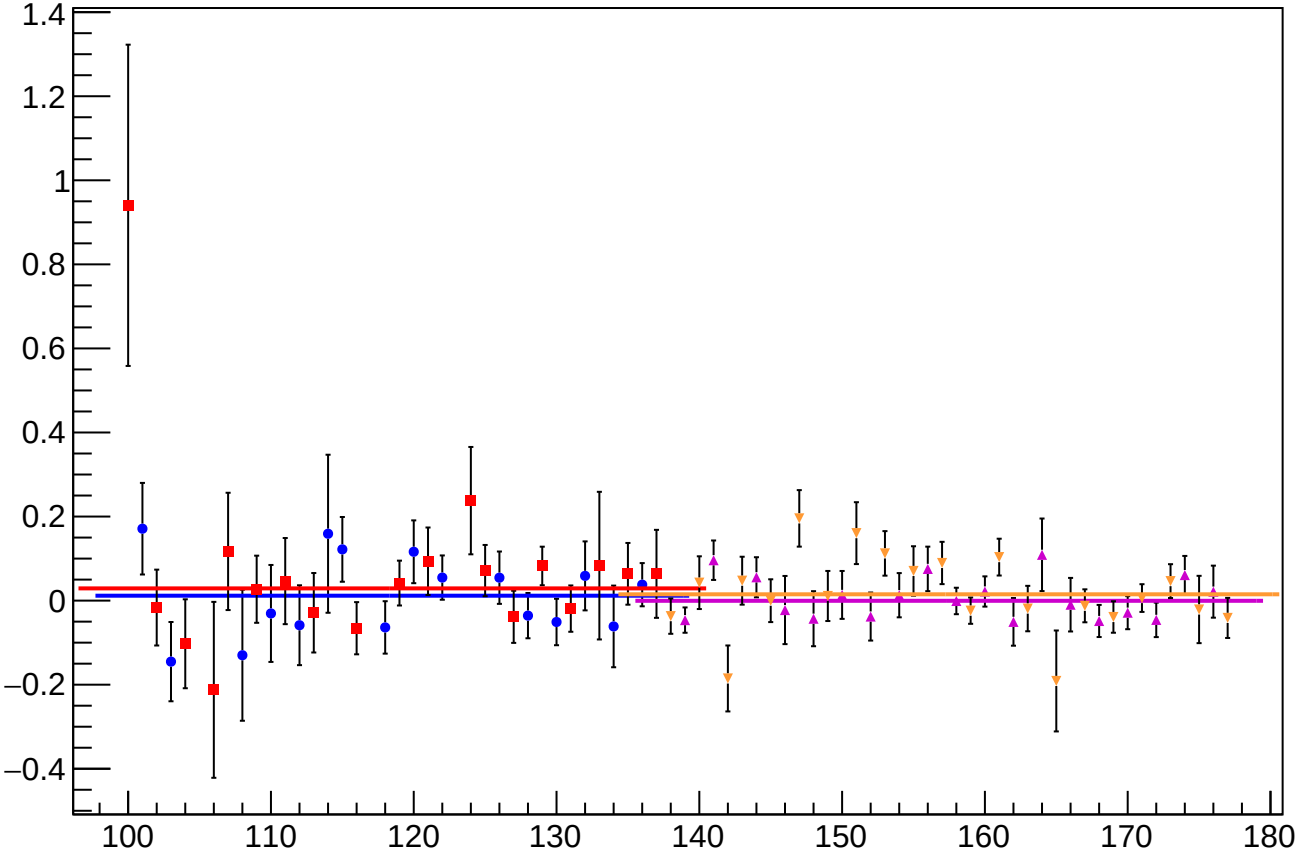
All: 551.484+/-0.062 χ^2/NDF: 14816627.7/74

- sign 550.475+/-0.089 χ^2/NDF: 7635224.2/37


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:26.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 15.5/18
Left In: -0.000+/-0.000 χ²/NDF:13.1/18
+ sign -0.000+/-0.000 χ²/NDF: 38.7/36
All: -0.000+/-0.000 χ²/NDF: 70.4/74
- sign -0.000+/-0.000 χ²/NDF: 31.6/37


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3679374.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:1340220.4/18
+ sign 0.000+/-0.000 χ²/NDF: 8204480.7/36
All: 0.000+/-0.000 χ²/NDF: 15227324.7/74
- sign 0.000+/-0.000 χ²/NDF: 5708158.8/37

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: 0.015+/-0.011 χ^2/NDF:40.0/20

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

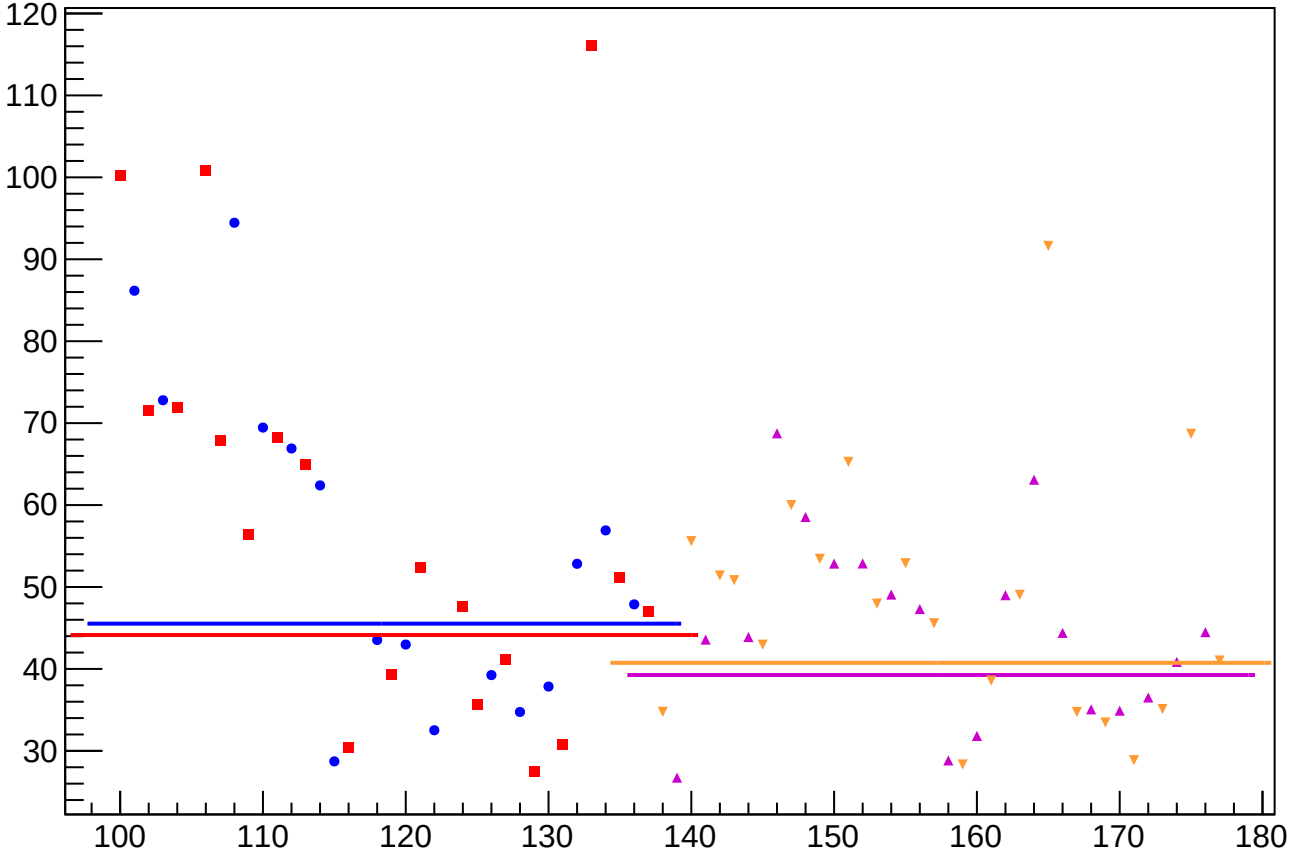
Left In: -0.000+/-0.011 χ^2/NDF:19.1/18

+ sign 0.014+/-0.009 χ^2/NDF: 56.9/36

All: 0.011+/-0.006 χ^2/NDF: 97.9/74

- sign 0.007+/-0.009 χ^2/NDF: 40.6/37

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: 40.747+/-0.008 χ^2/NDF:2264428.5/20

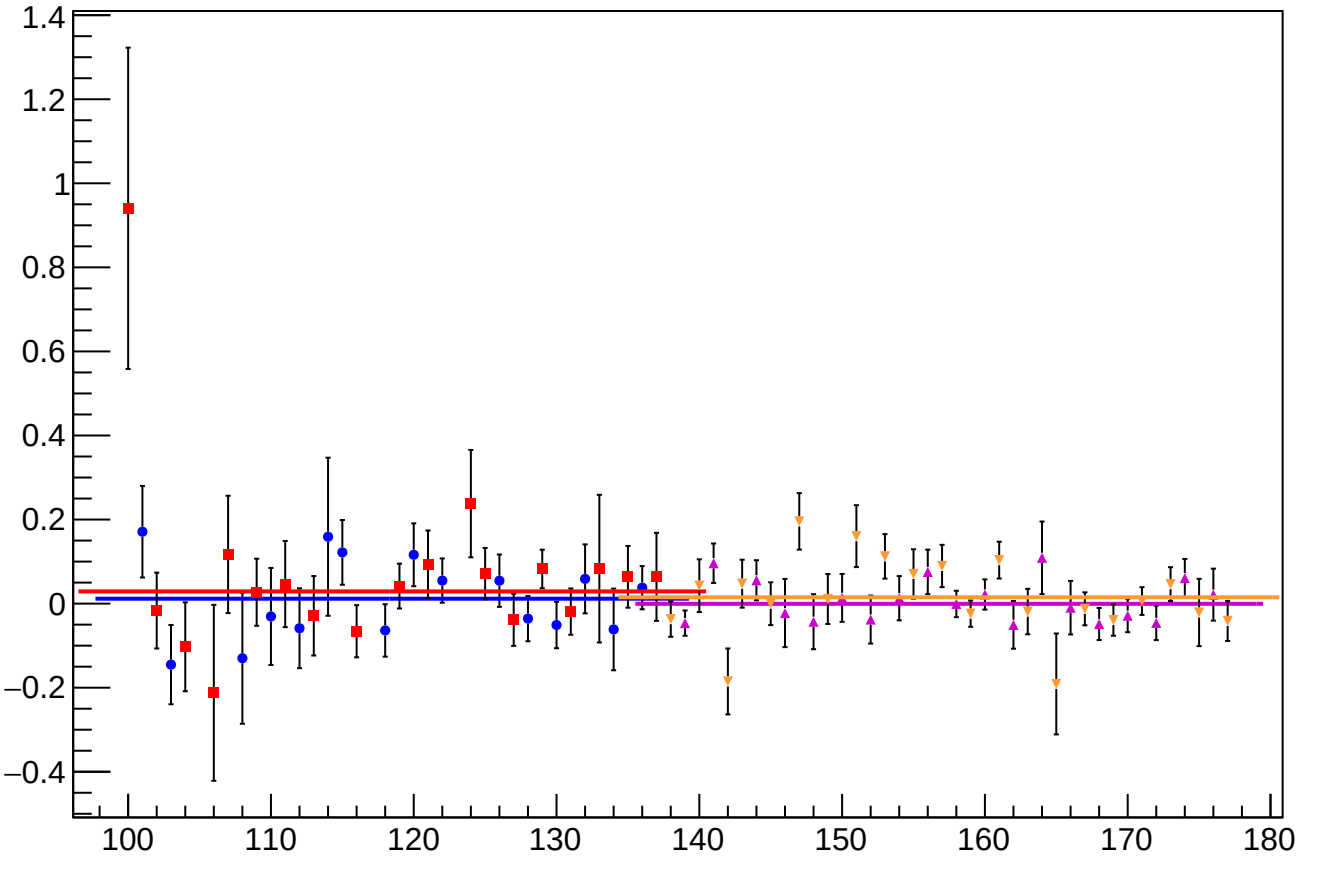
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.258+/-0.008 χ^2/NDF:1767005.0/18

\+ sign 41.950+/-0.007 χ^2/NDF: 3620172.5/36

All: 41.237+/-0.005 χ^2/NDF: 7264748.1/74

\- sign 40.532+/-0.006 χ^2/NDF: 3620630.4/37



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

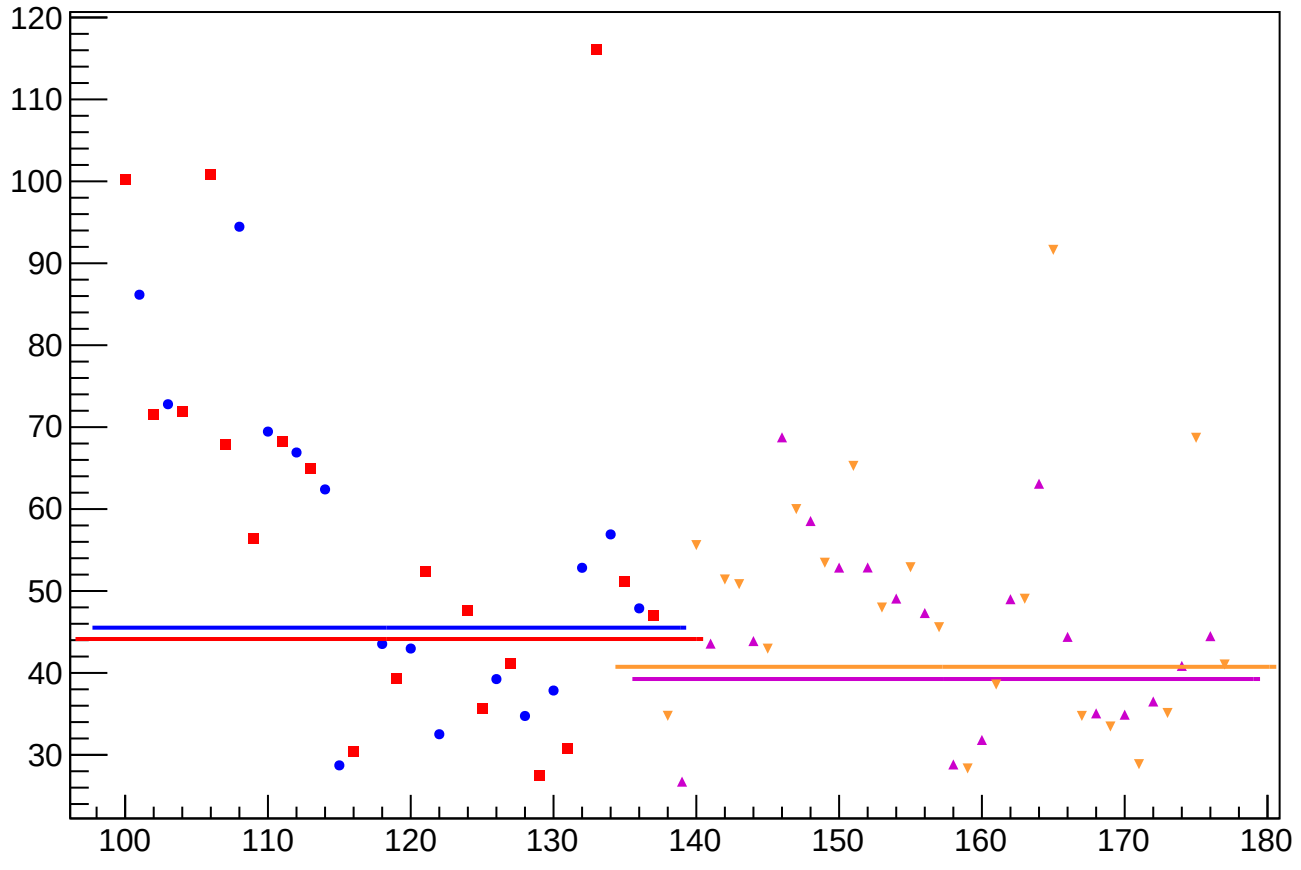
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.011 χ^2/NDF:19.1/18

+ sign 0.014+/-0.009 χ^2/NDF: 56.9/36

All: 0.011+/-0.006 χ^2/NDF: 97.9/74

- sign 0.007+/-0.009 χ^2/NDF: 40.6/37



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.747+/-0.008 χ^2/NDF:2264428.5/20

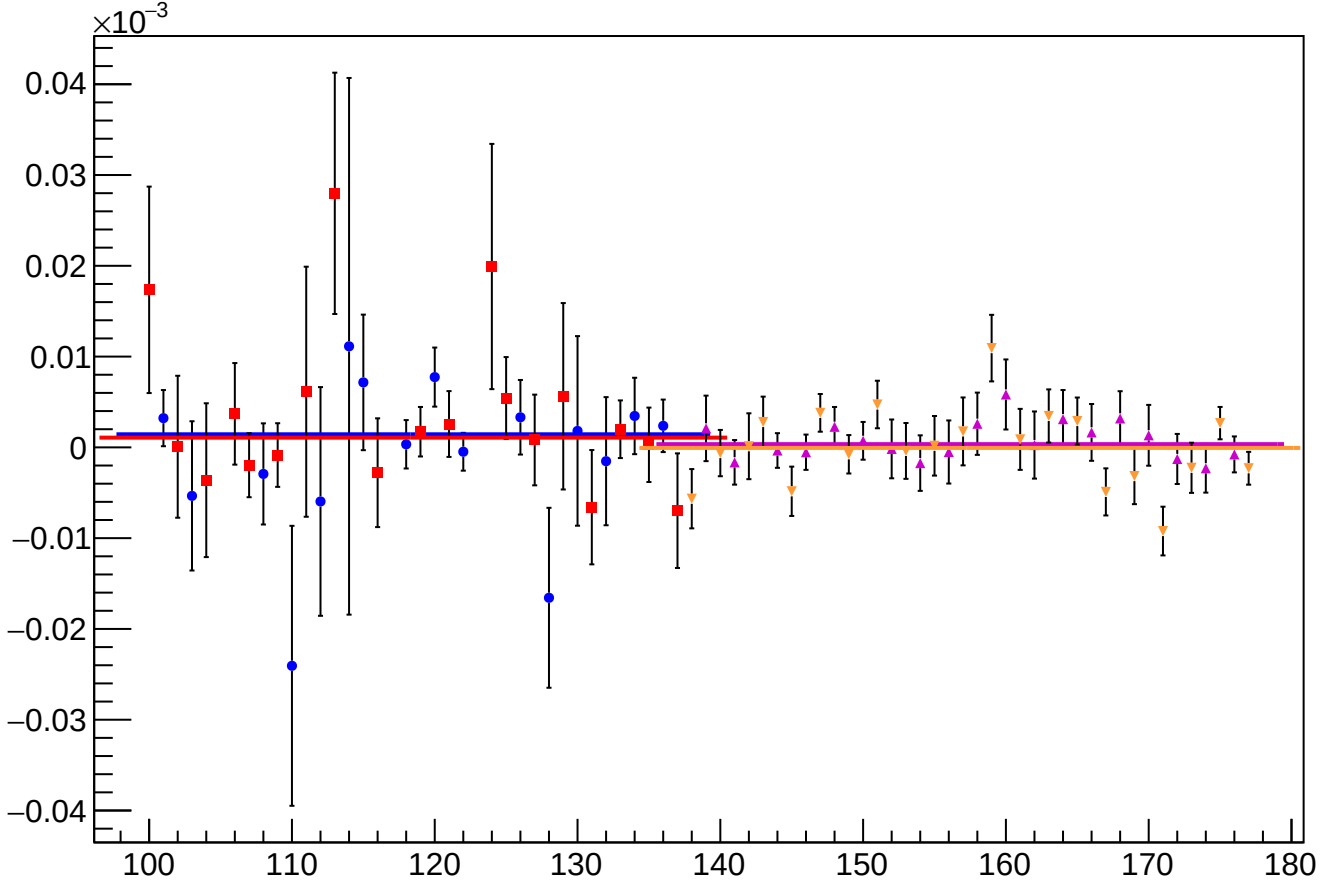
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.258+/-0.008 χ^2/NDF:1767005.0/18

\+ sign 41.950+/-0.007 χ^2/NDF: 3620172.5/36

All: 41.237+/-0.005 χ^2/NDF: 7264748.1/74

\- sign 40.532+/-0.006 χ^2/NDF: 3620630.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.8/20

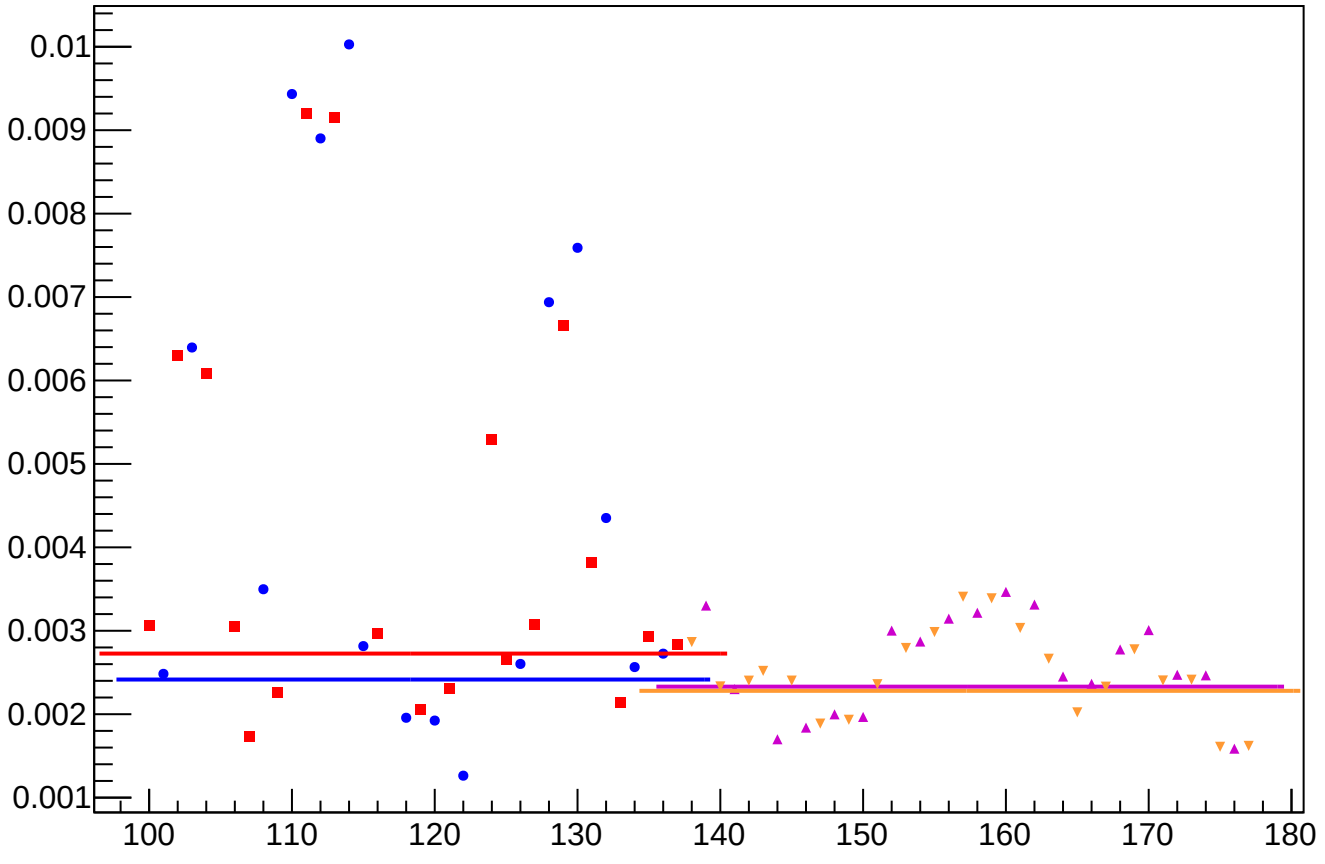
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/36

All: 0.000+/-0.000 χ^2/NDF: 86.4/74

- sign 0.000+/-0.000 χ^2/NDF: 23.7/37



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1491435.8/20

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

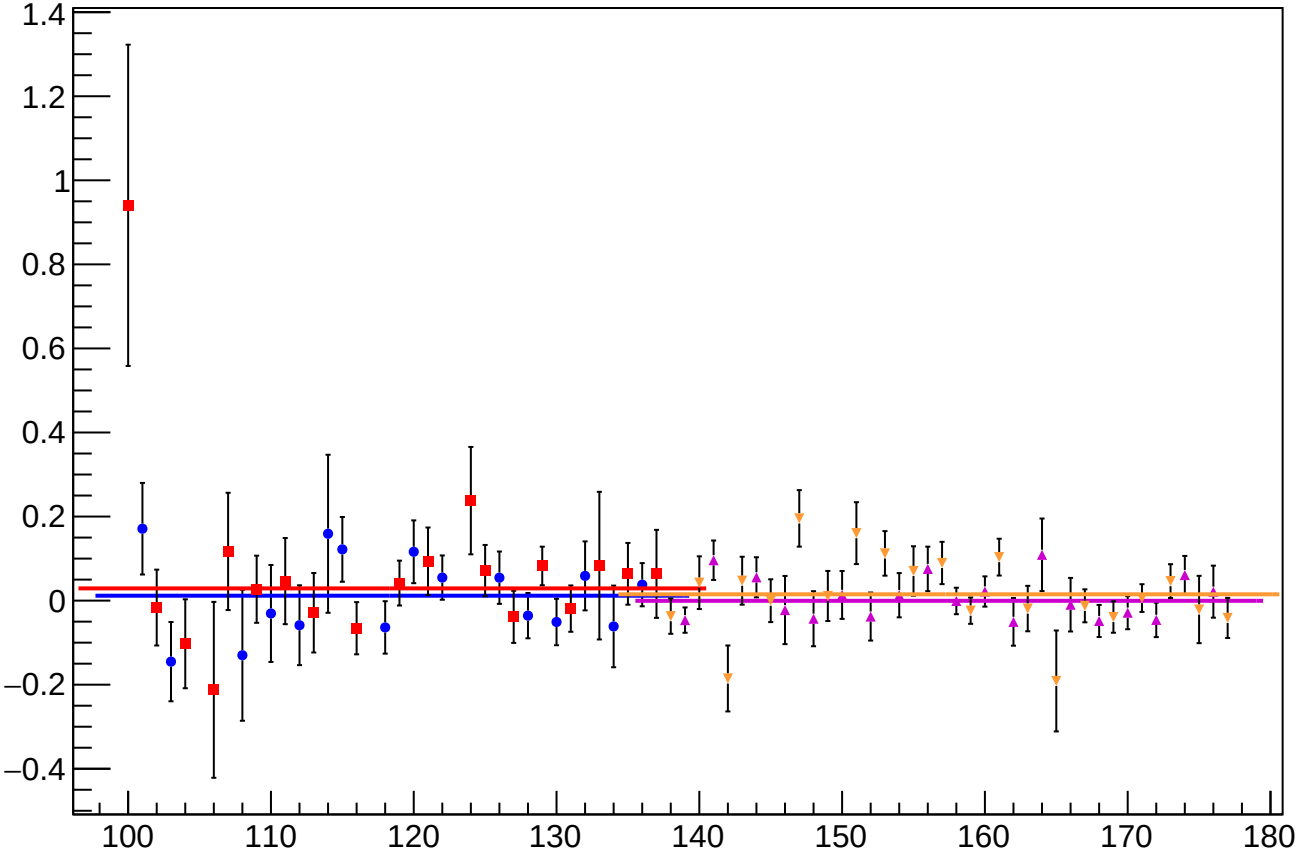
Left In: 0.002+/-0.000 χ^2/NDF:1726609.7/18

+ sign 0.002+/-0.000 χ^2/NDF: 4949459.7/36

All: 0.002+/-0.000 χ^2/NDF: 9417750.4/74

- sign 0.002+/-0.000 χ^2/NDF: 4423968.0/37

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

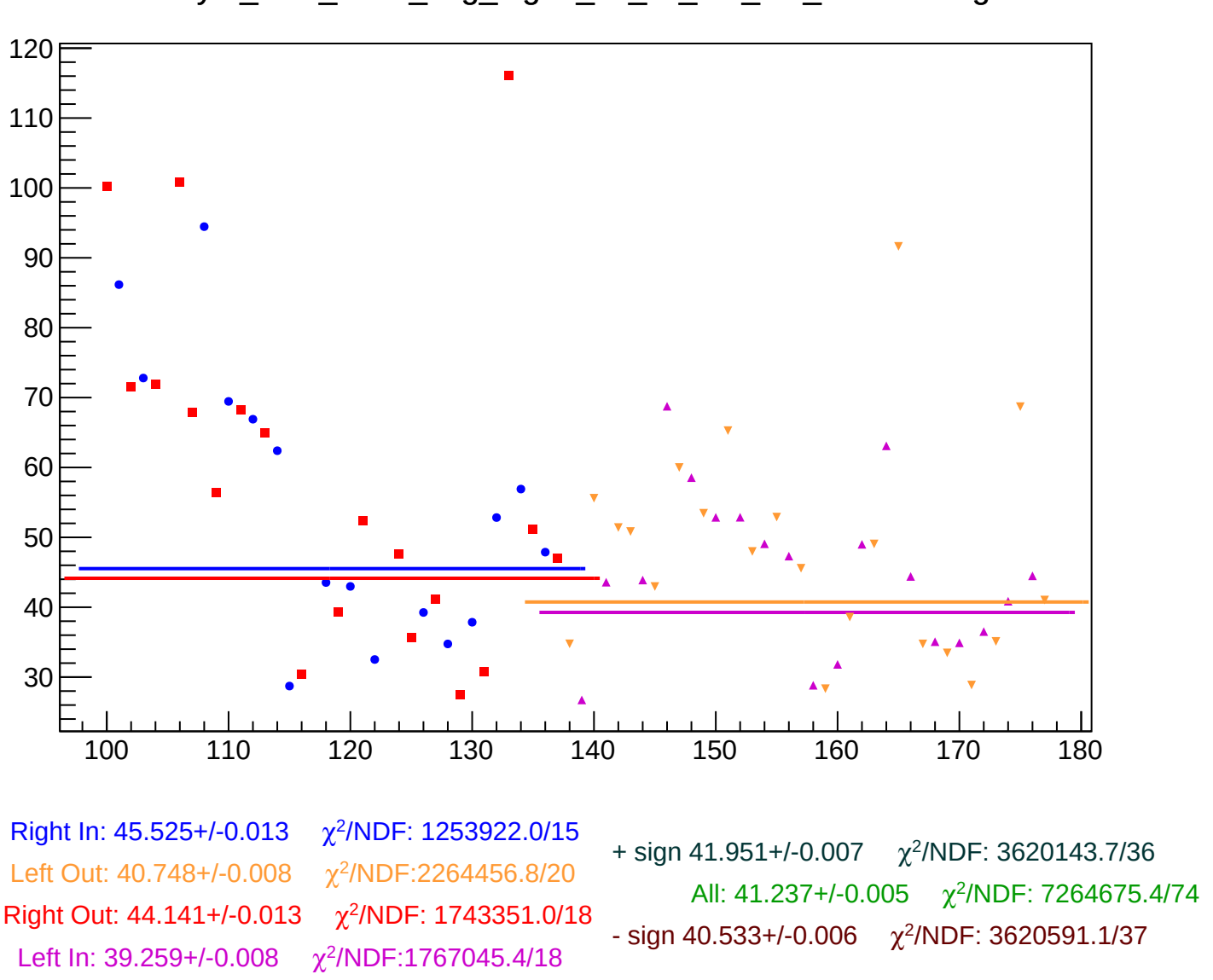
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

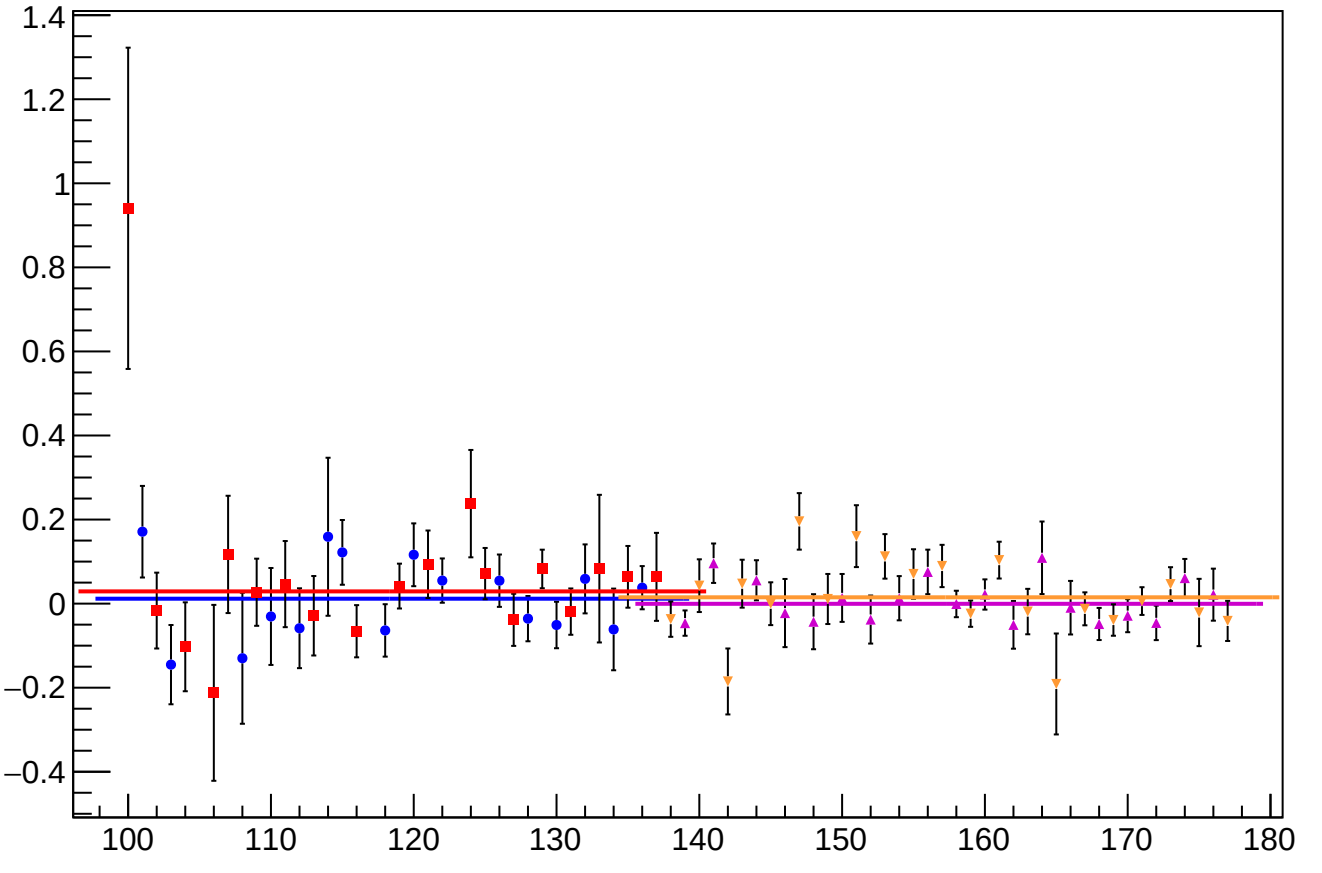
Left In: -0.000+/-0.011 χ^2/NDF:19.1/18

+ sign 0.014+/-0.009 χ^2/NDF: 56.9/36

All: 0.011+/-0.006 χ^2/NDF: 97.9/74

- sign 0.007+/-0.009 χ^2/NDF: 40.6/37


asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug
120
110
100
90
80
70
60
50
40
30
100
110
120
130
140
150
160
170
180
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 40.748+/-0.008 χ²/NDF:2264456.8/20
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 39.259+/-0.008 χ²/NDF:1767045.4/18
+ sign 41.951+/-0.007 χ²/NDF: 3620143.7/36
All: 41.237+/-0.005 χ²/NDF: 7264675.4/74
- sign 40.533+/-0.006 χ²/NDF: 3620591.1/37



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

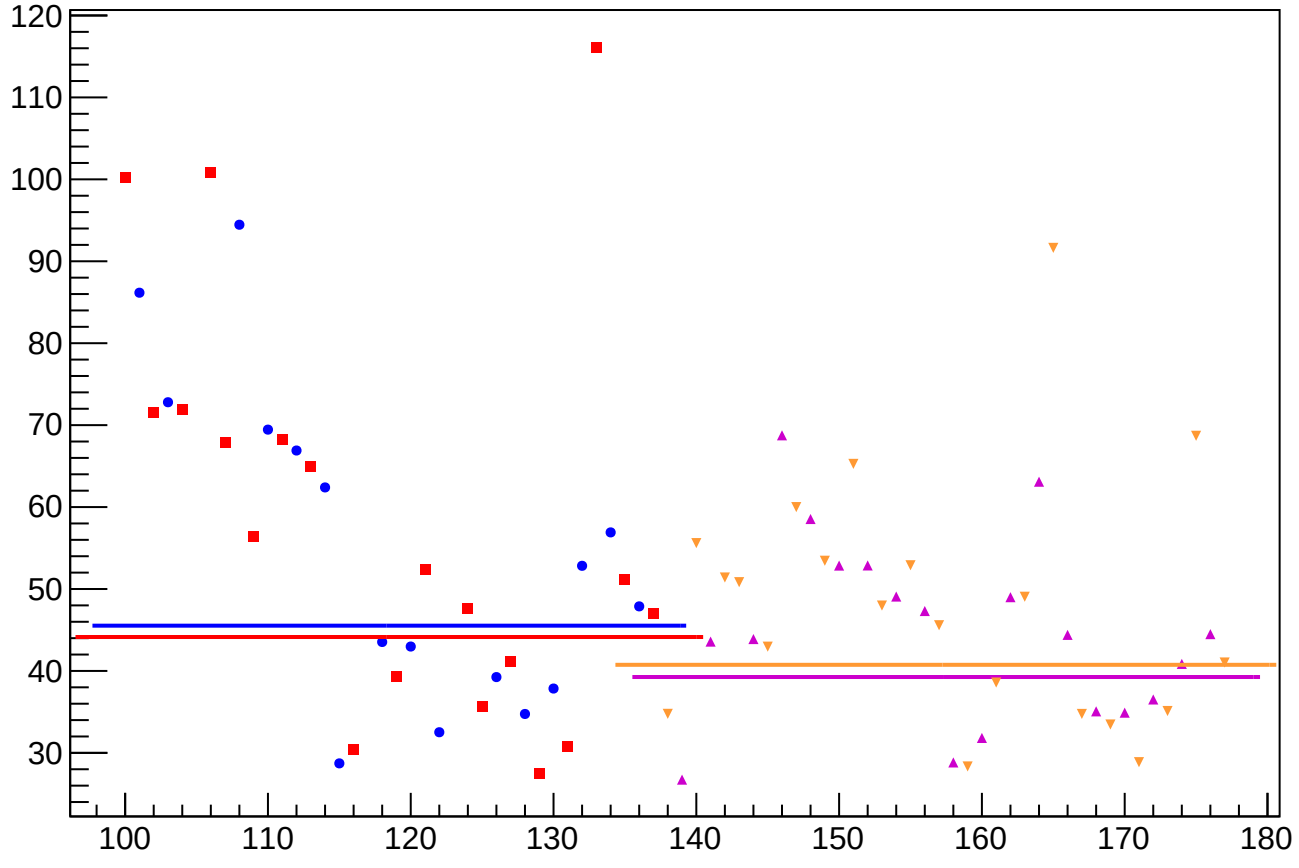
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.011 χ^2/NDF:19.1/18

+ sign 0.014+/-0.009 χ^2/NDF: 56.9/36

All: 0.011+/-0.006 χ^2/NDF: 97.9/74

- sign 0.007+/-0.009 χ^2/NDF: 40.6/37



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.748+/-0.008 χ^2/NDF:2264456.8/20

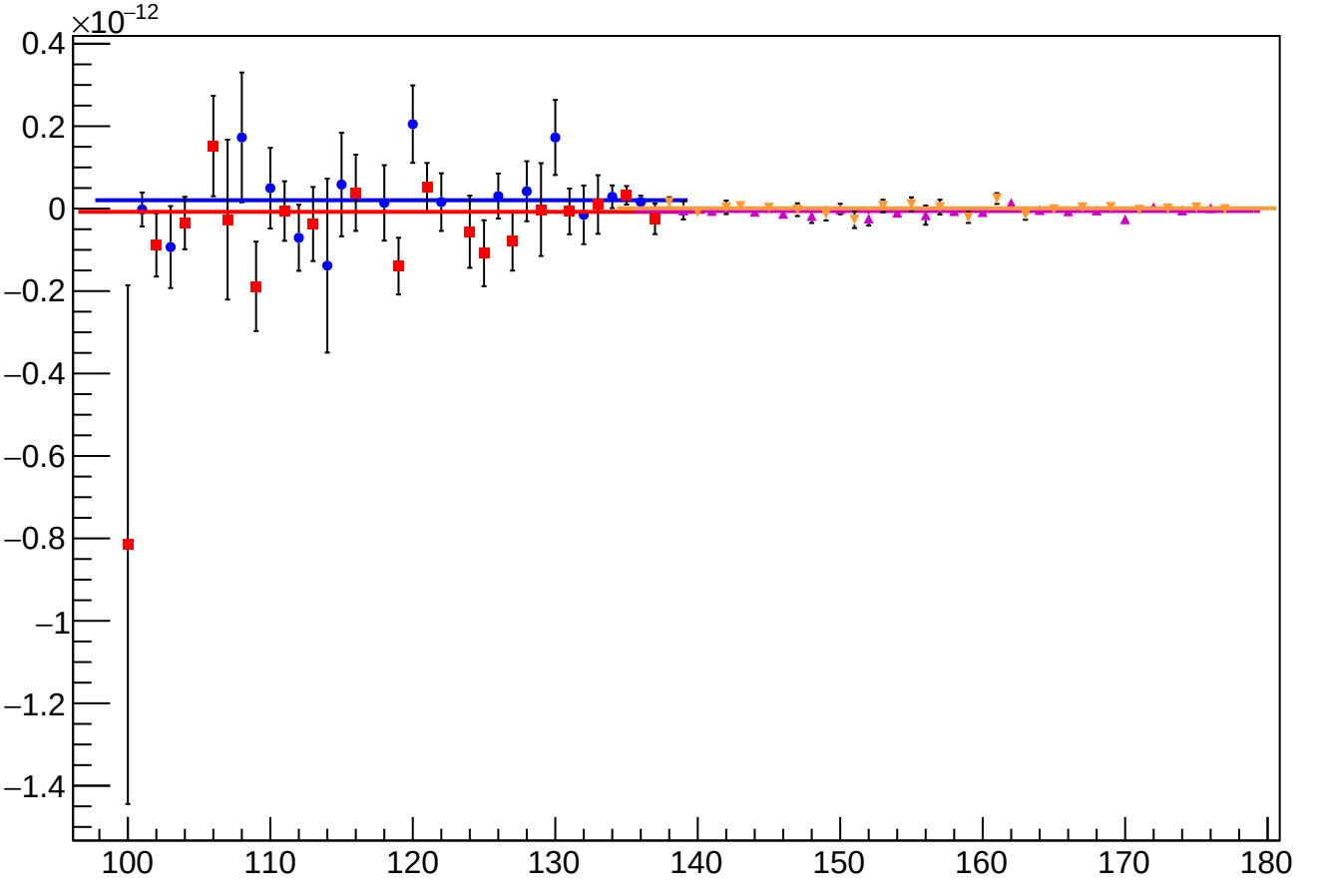
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.259+/-0.008 χ^2/NDF:1767045.4/18

+ sign 41.951+/-0.007 χ^2/NDF: 3620143.7/36

All: 41.237+/-0.005 χ^2/NDF: 7264675.4/74

- sign 40.533+/-0.006 χ^2/NDF: 3620591.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/20

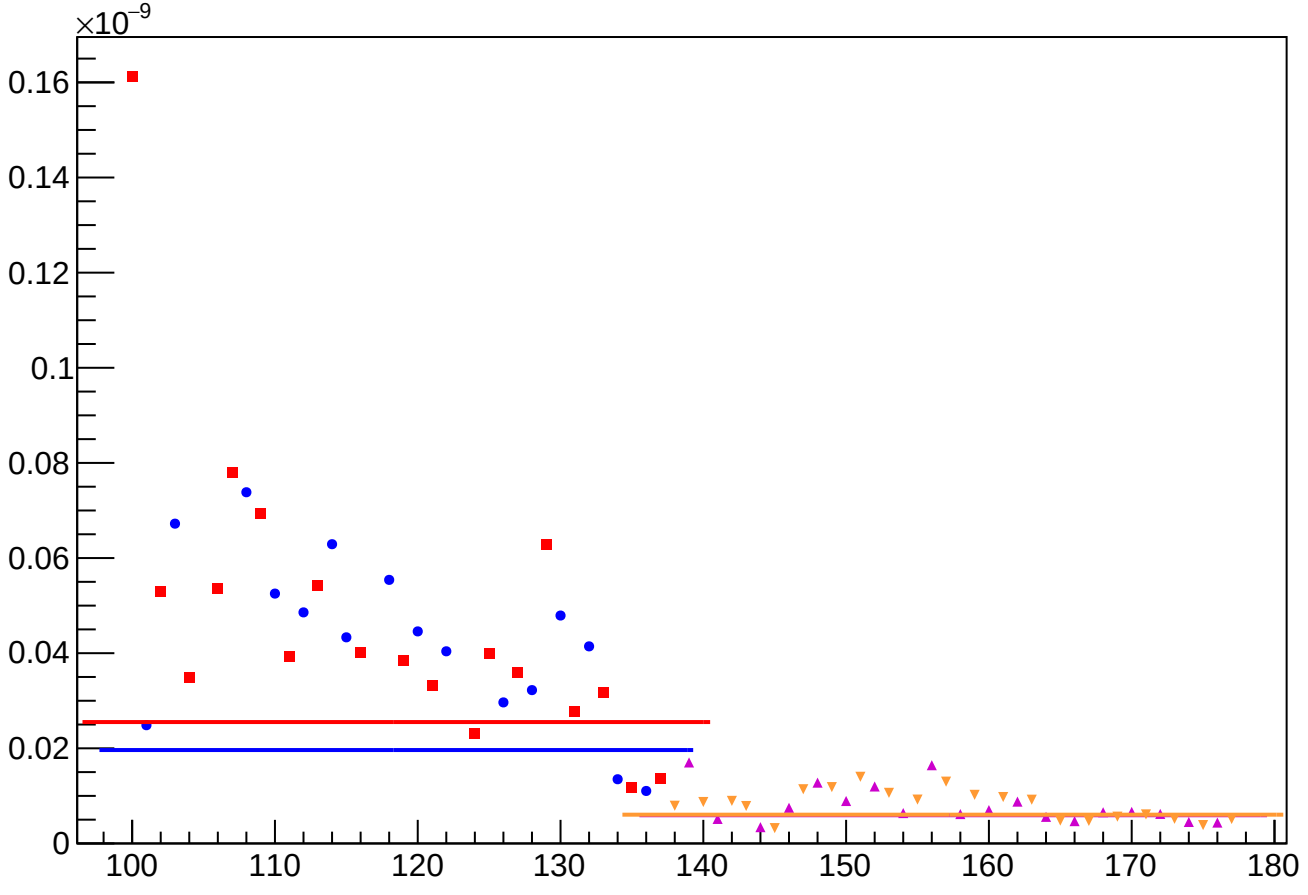
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/36

All: -0.000+/-0.000 χ^2/NDF: 66.0/74

- sign -0.000+/-0.000 χ^2/NDF: 31.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3120238.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

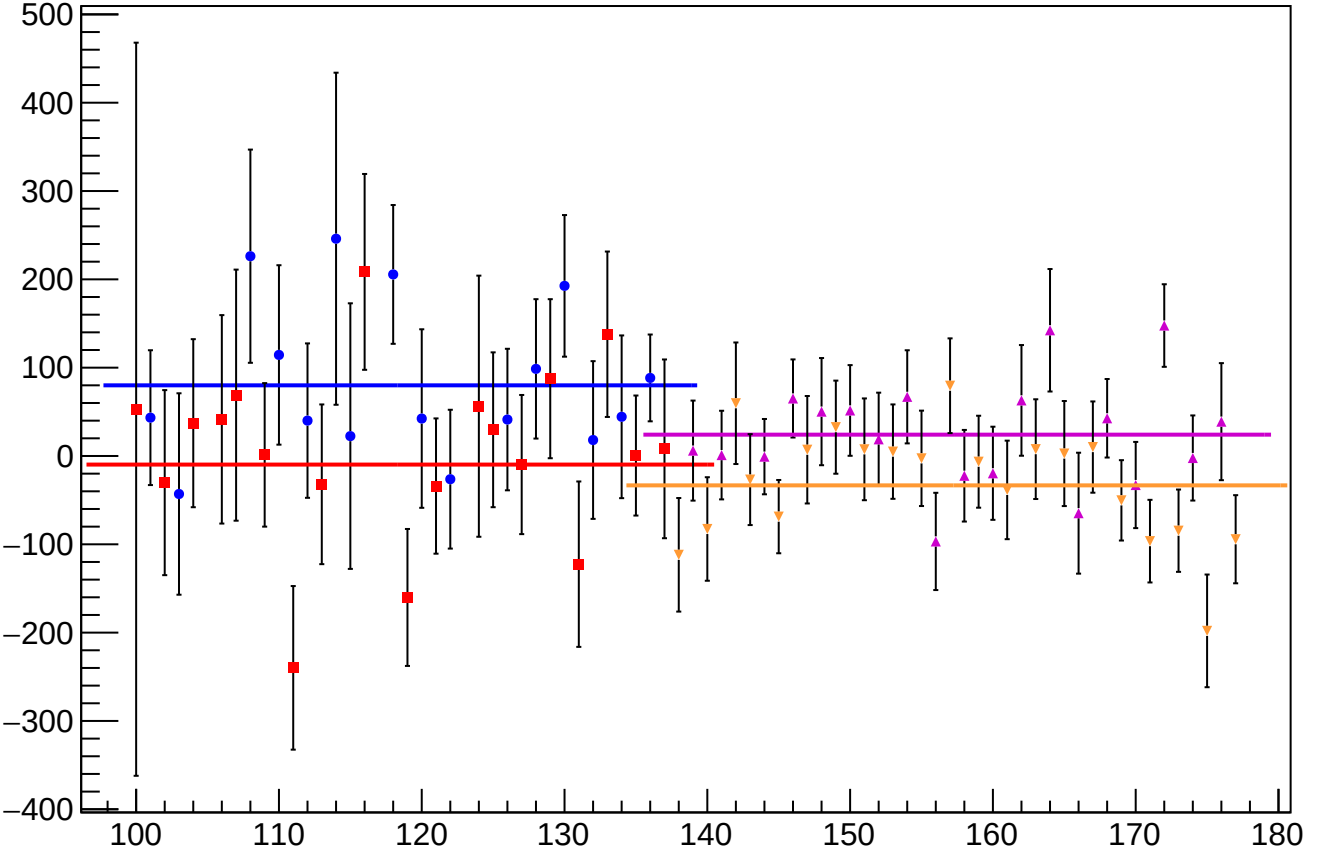
Left In: 0.000+/-0.000 χ^2/NDF:2440310.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 9217098.0/36

All: 0.000+/-0.000 χ^2/NDF: 18356605.2/74

- sign 0.000+/-0.000 χ^2/NDF: 9136914.9/37

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -33.267+/-11.637 χ^2/NDF:25.8/20

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

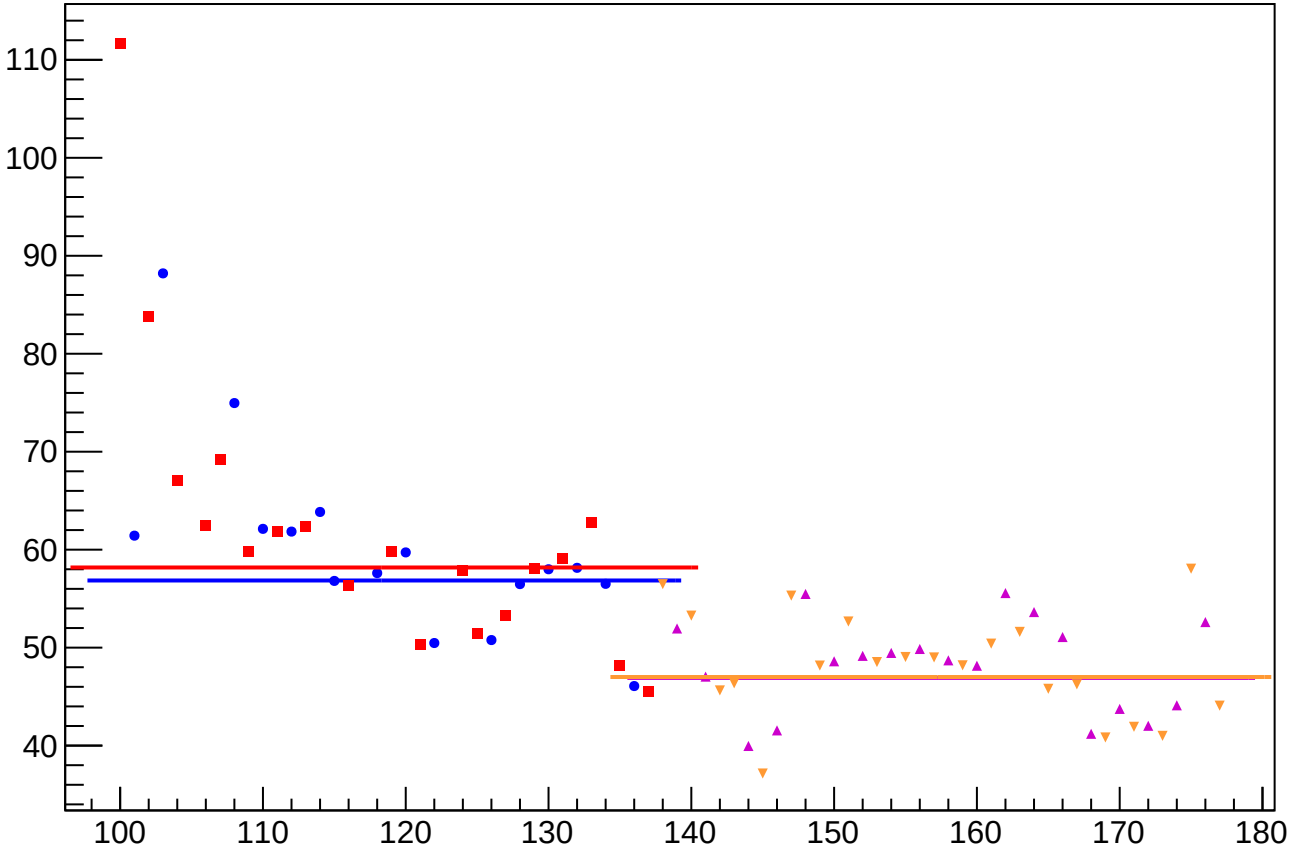
Left In: 24.145+/-12.022 χ^2/NDF:22.8/18

+ sign -7.557+/-10.231 χ^2/NDF: 58.8/36

All: 3.978+/-7.330 χ^2/NDF: 106.5/74

- sign 16.143+/-10.507 χ^2/NDF: 45.0/37

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.001+/-0.008 χ^2/NDF:428730.9/20

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

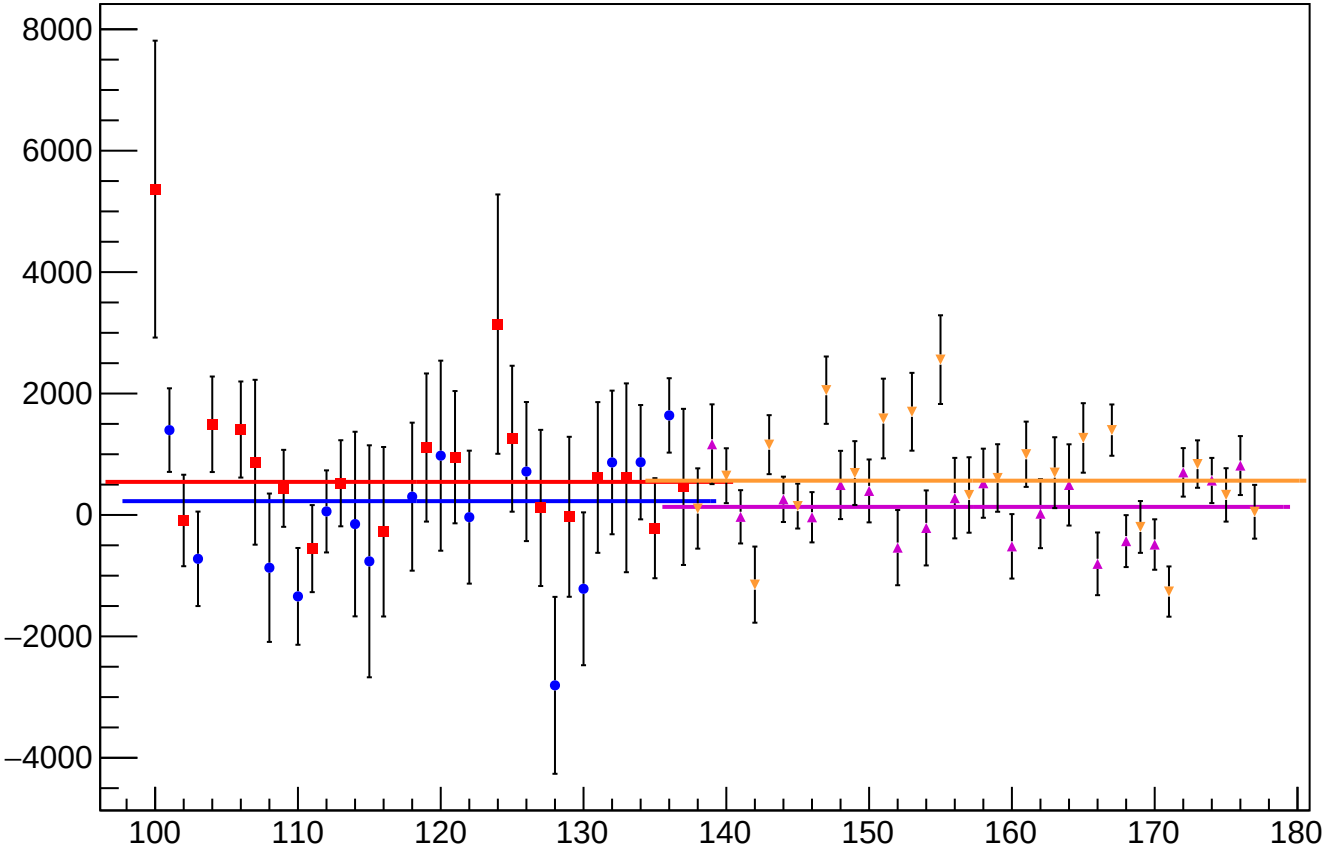
Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

+ sign 49.237+/-0.007 χ^2/NDF: 1095842.4/36

All: 49.400+/-0.005 χ^2/NDF: 2134079.8/74

- sign 49.571+/-0.007 χ^2/NDF: 1037200.0/37

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 564.621+/-109.246 χ^2/NDF:62.1/20

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

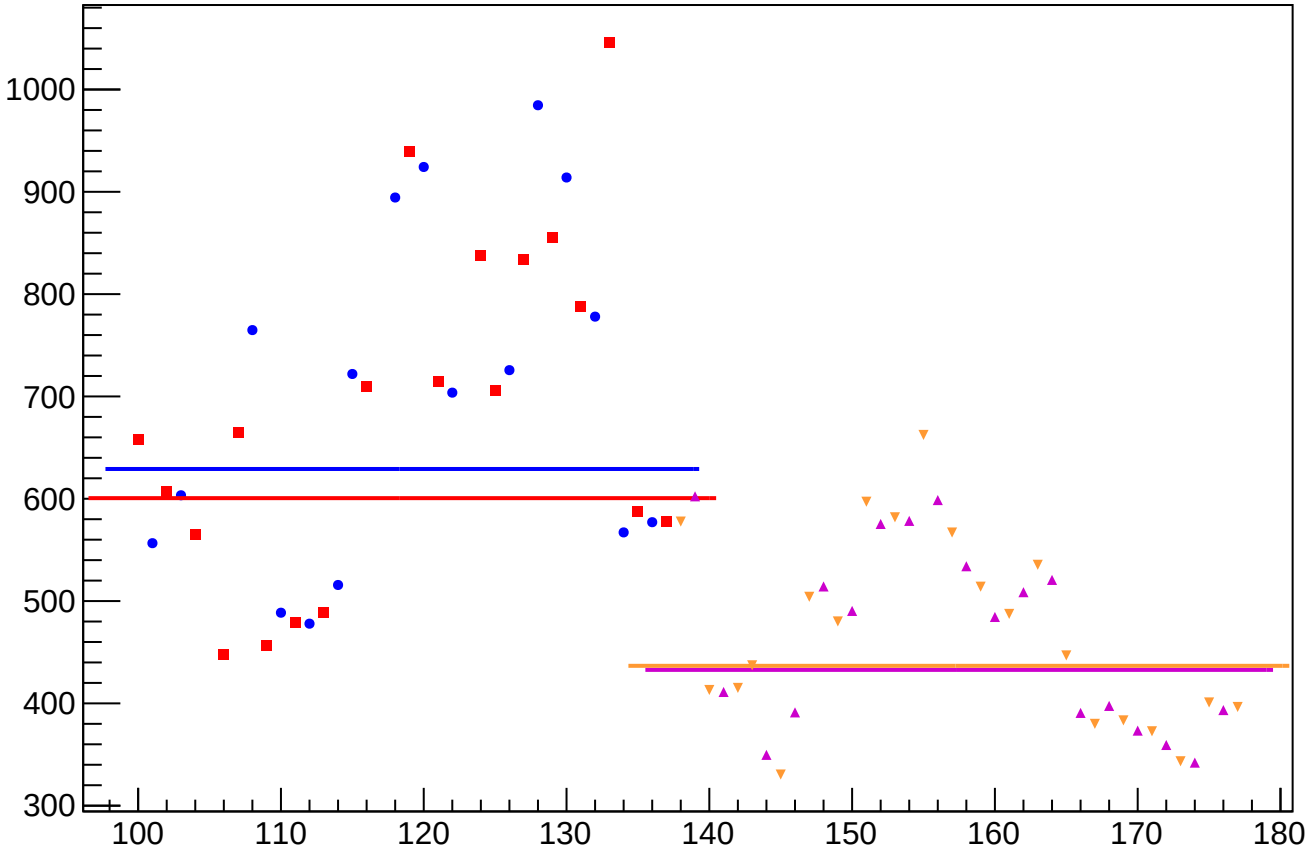
Left In: 132.852+/-112.077 χ^2/NDF:20.0/18

\+ sign 507.247+/-99.516 χ^2/NDF: 85.3/36

All: 361.817+/-70.720 χ^2/NDF: 125.7/74

\- sign 213.447+/-100.517 χ^2/NDF: 36.0/37

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 436.710+/-0.077 χ^2/NDF:1181056.4/20

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

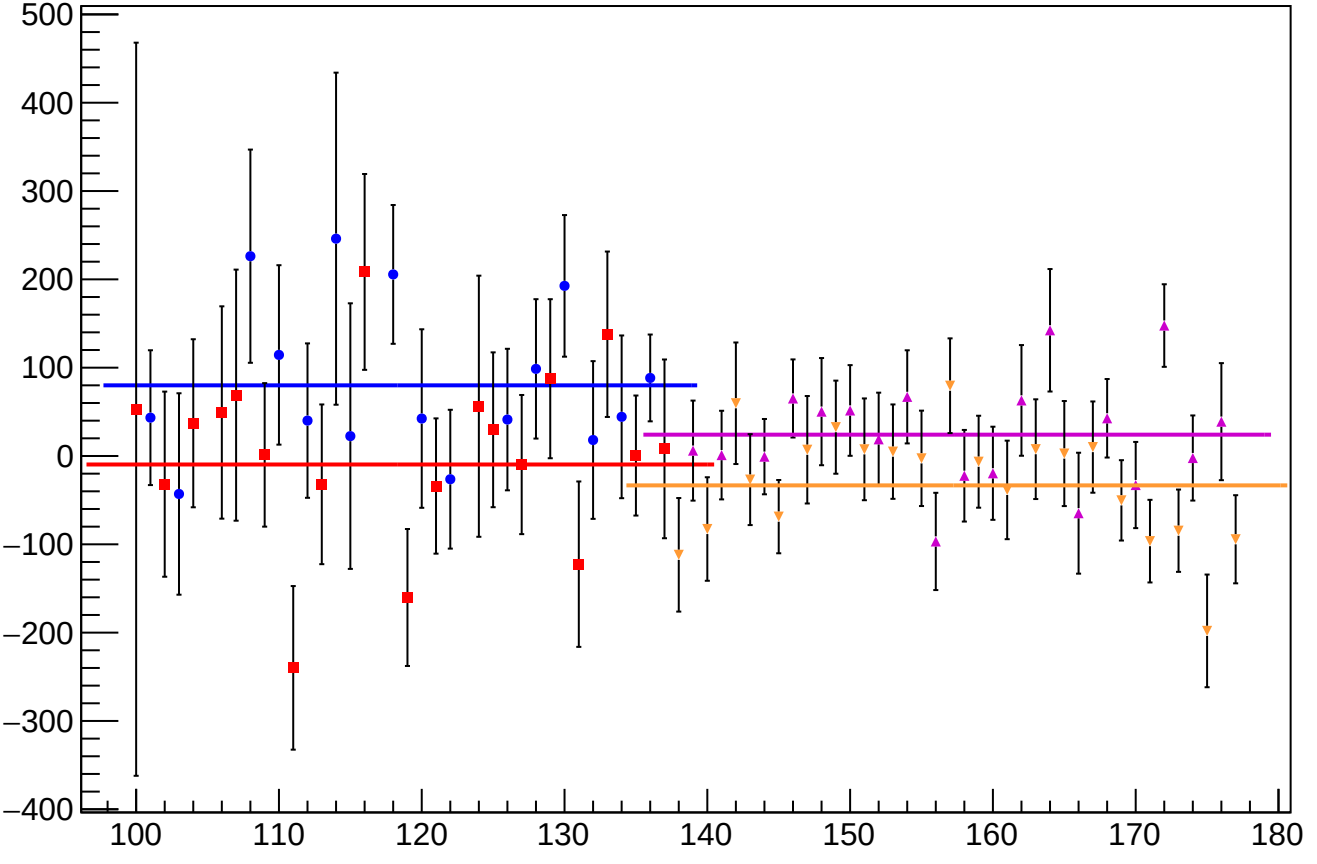
Left In: 432.732+/-0.079 χ^2/NDF:1086081.2/18

+ sign 469.452+/-0.070 χ^2/NDF: 2929405.0/36

All: 467.533+/-0.050 χ^2/NDF: 5769393.2/74

- sign 465.575+/-0.071 χ^2/NDF: 2838485.6/37

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -33.270+/-11.637 χ^2/NDF:25.8/20

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

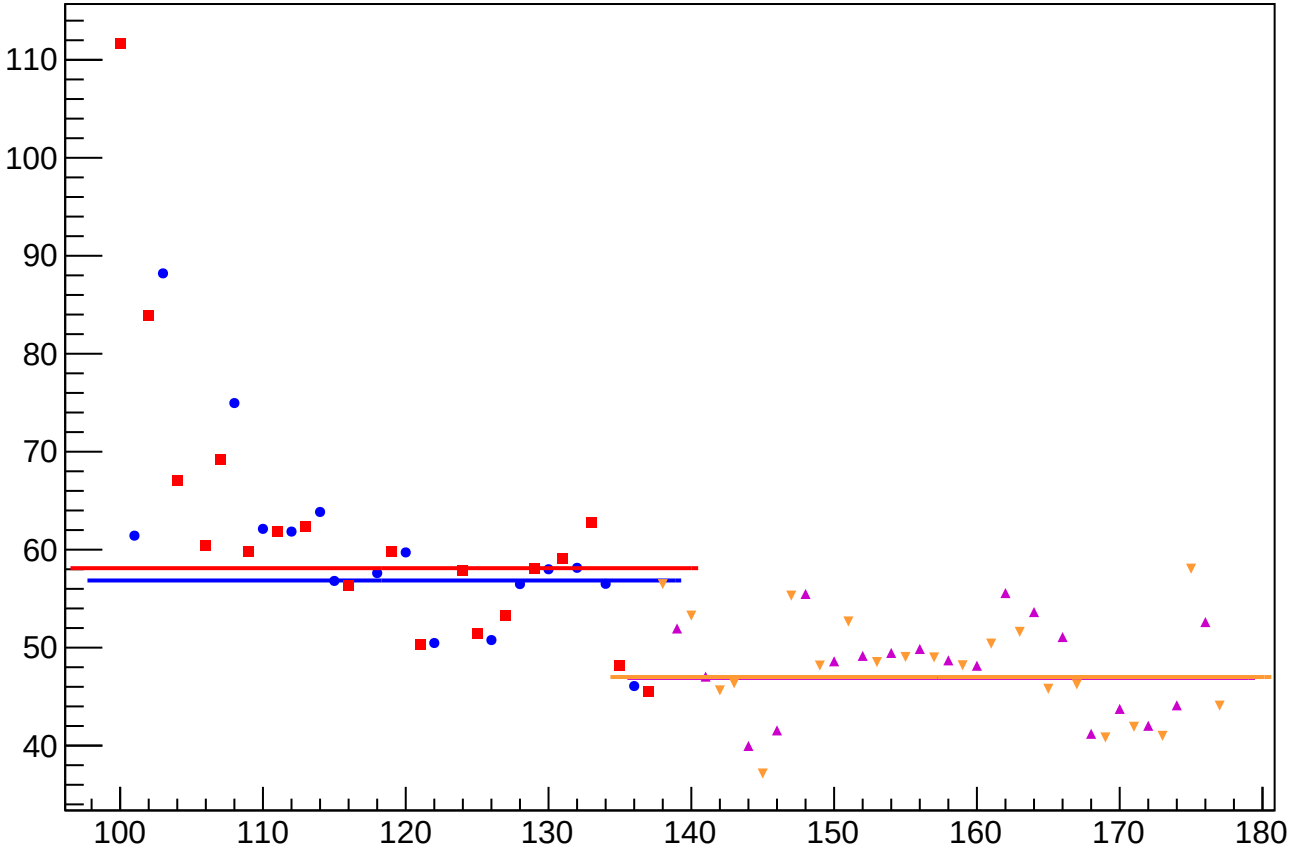
Left In: 24.146+/-12.022 χ^2/NDF:22.8/18

+ sign -7.559+/-10.231 χ^2/NDF: 58.8/36

All: 3.992+/-7.331 χ^2/NDF: 106.5/74

- sign 16.177+/-10.508 χ^2/NDF: 45.1/37

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.001+/-0.008 χ^2/NDF:428730.9/20

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

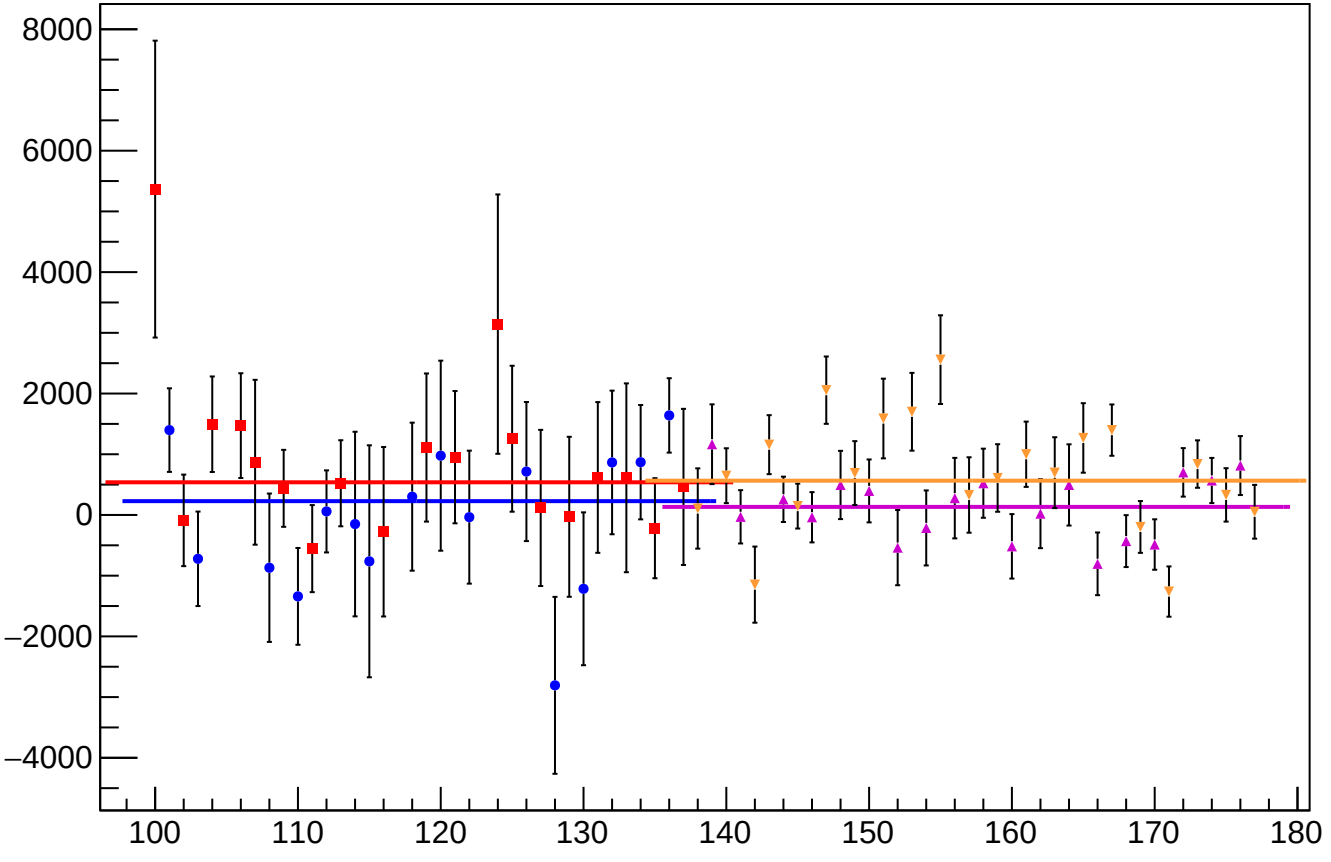
Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

+ sign 49.237+/-0.007 χ^2/NDF: 1095846.5/36

All: 49.391+/-0.005 χ^2/NDF: 2126655.8/74

- sign 49.552+/-0.007 χ^2/NDF: 1029888.3/37

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 564.618+/-109.245 χ^2/NDF:62.1/20

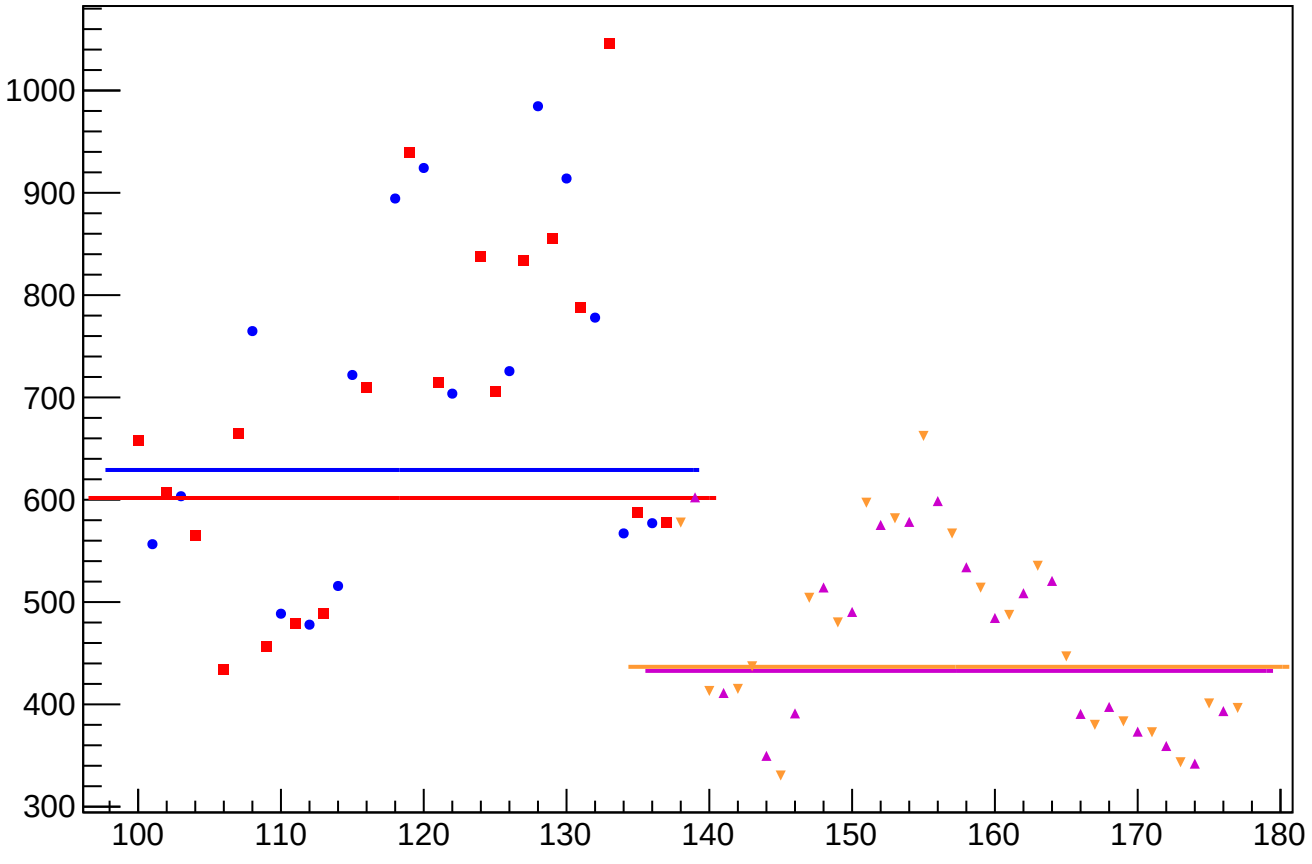
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 132.855+/-112.077 χ^2/NDF:20.0/18

+ sign 507.252+/-99.516 χ^2/NDF: 85.3/36

All: 360.950+/-70.765 χ^2/NDF: 125.6/74

- sign 211.305+/-100.646 χ^2/NDF: 35.9/37



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 436.710+/-0.077 χ^2/NDF:1181056.6/20

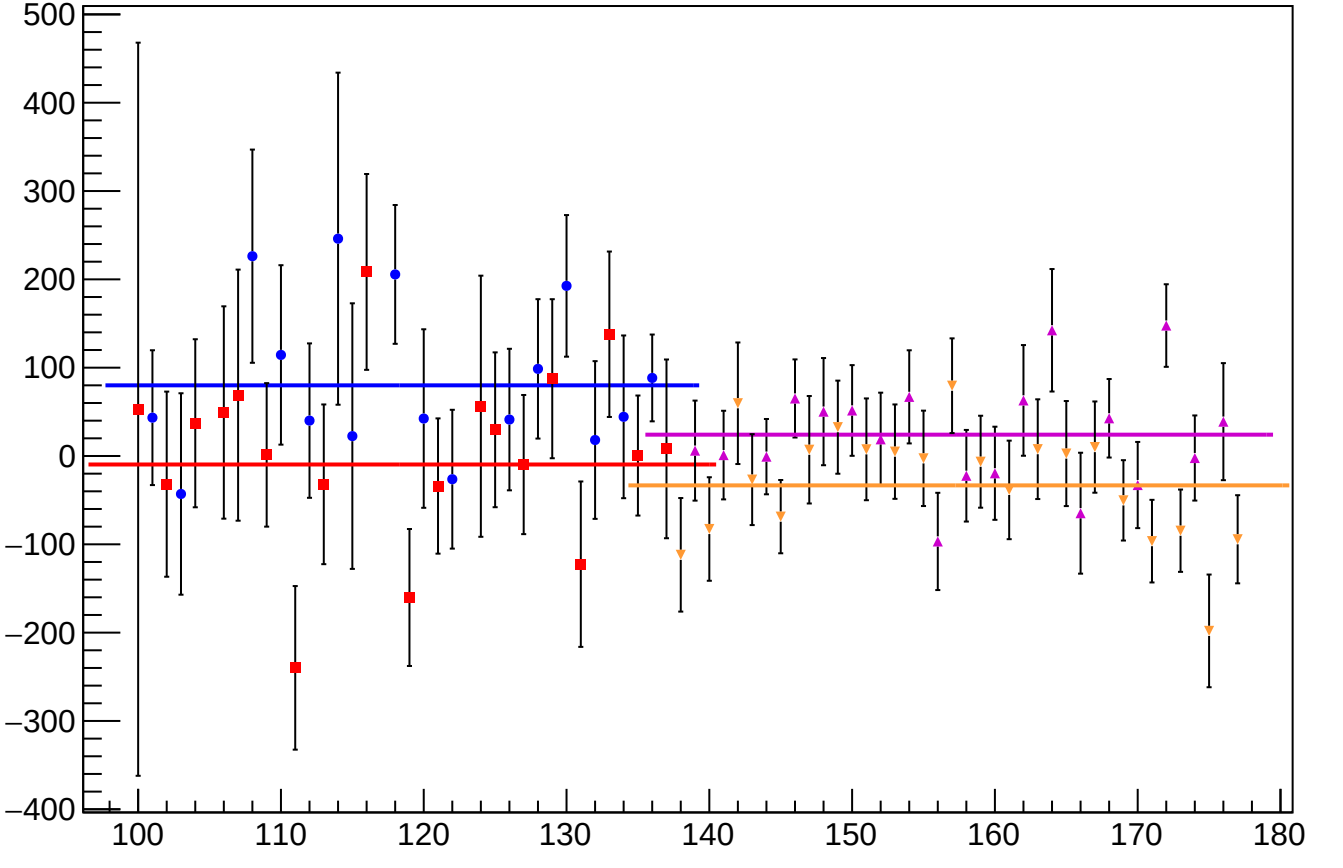
Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 432.732+/-0.079 χ^2/NDF:1086080.7/18

+ sign 469.453+/-0.070 χ^2/NDF: 2929437.6/36

All: 467.472+/-0.050 χ^2/NDF: 5771334.6/74

- sign 465.445+/-0.071 χ^2/NDF: 2840293.4/37



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -33.270+/-11.637 χ^2/NDF:25.8/20

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

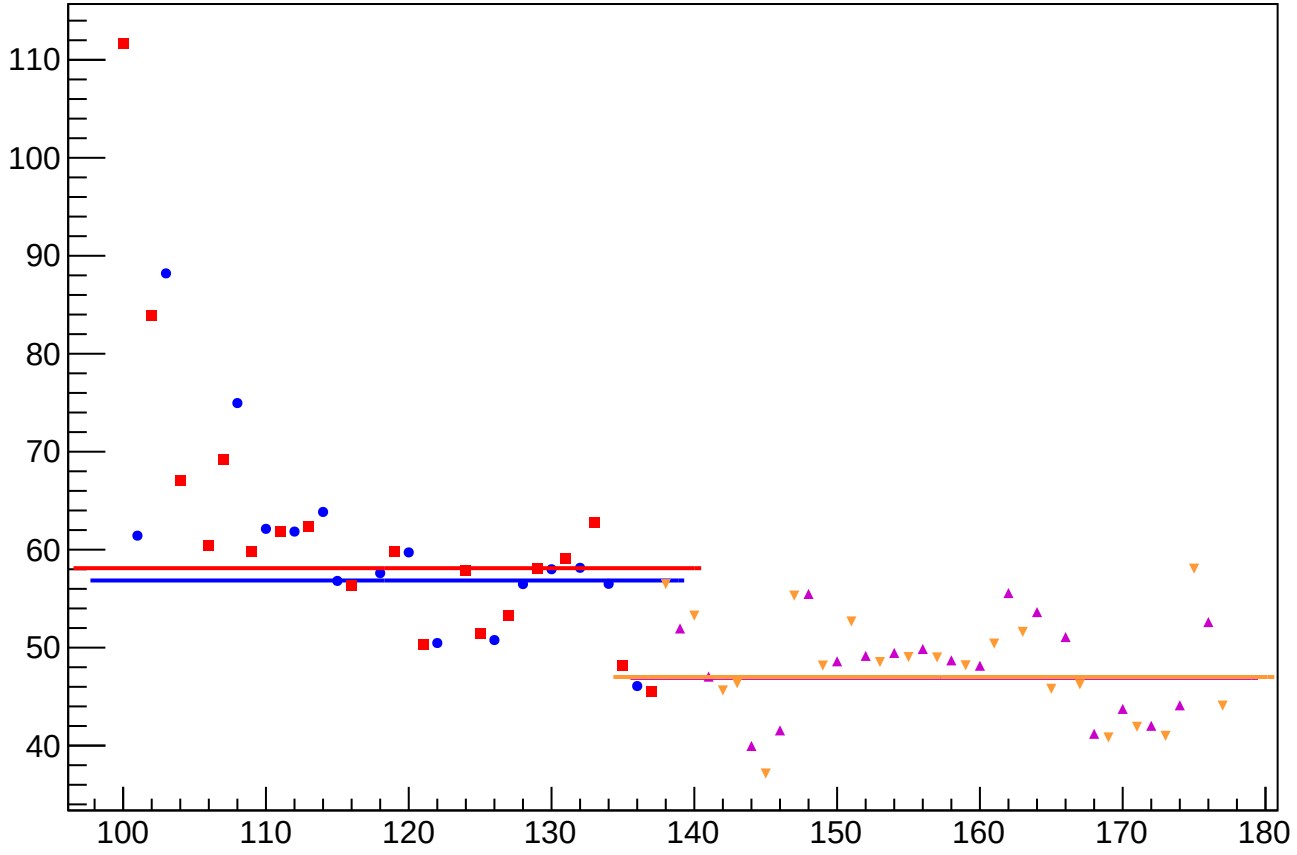
Left In: 24.146+/-12.022 χ^2/NDF:22.8/18

\+ sign -7.559+/-10.231 χ^2/NDF: 58.8/36

All: 3.992+/-7.331 χ^2/NDF: 106.5/74

\- sign 16.177+/-10.508 χ^2/NDF: 45.1/37

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.001+/-0.008 χ^2/NDF:428730.9/20

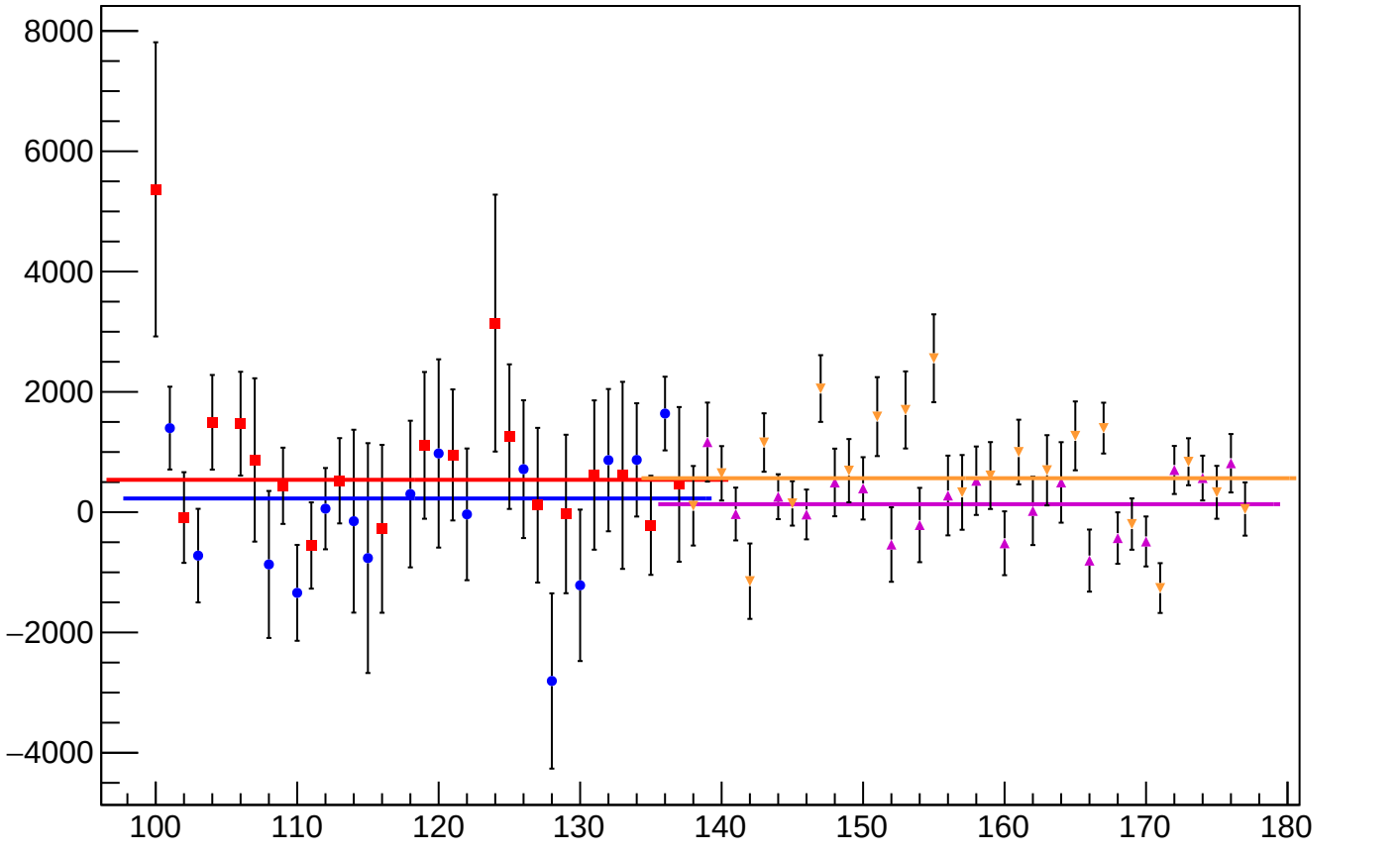
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

+ sign 49.237+/-0.007 χ^2/NDF: 1095846.5/36

All: 49.391+/-0.005 χ^2/NDF: 2126655.8/74

- sign 49.552+/-0.007 χ^2/NDF: 1029888.3/37



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 564.618+/-109.245 χ^2/NDF:62.1/20

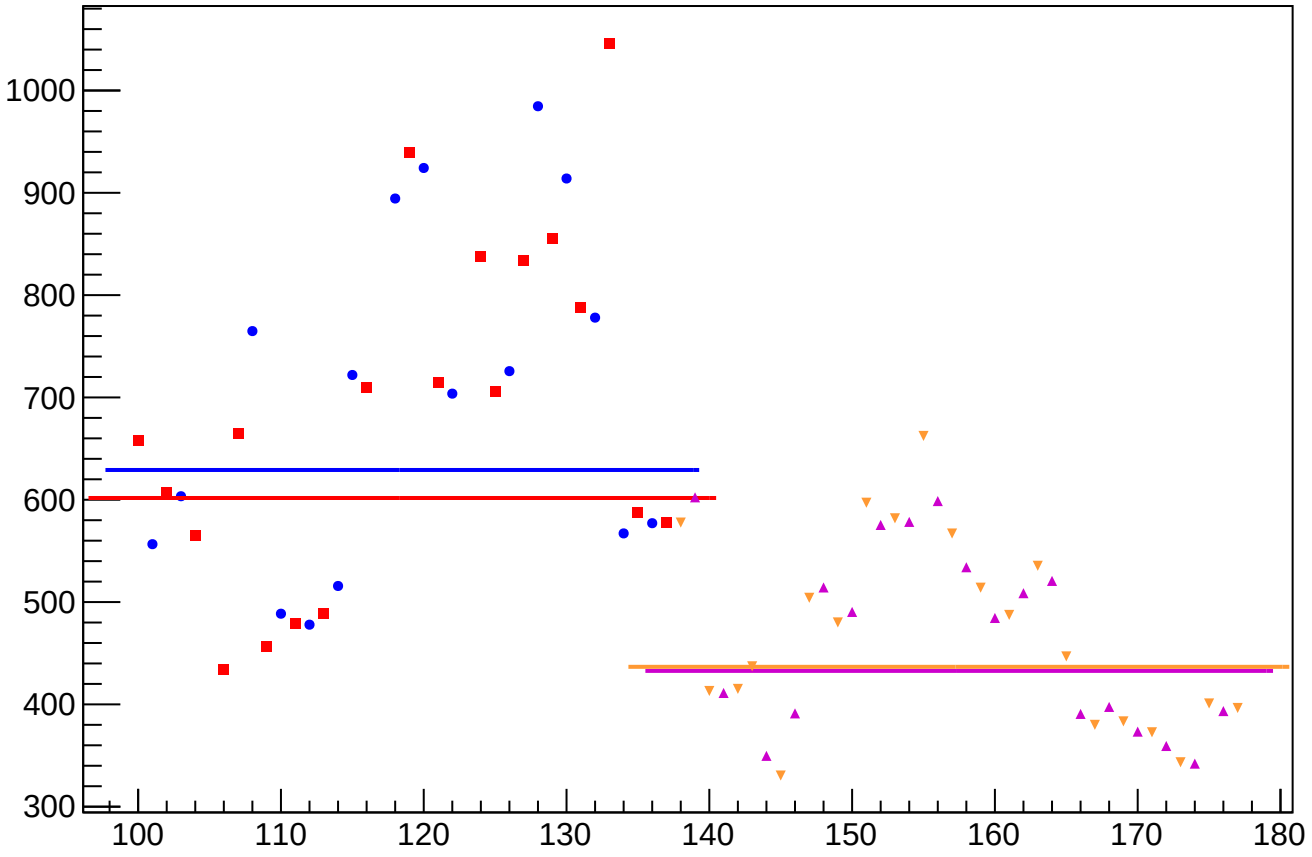
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 132.855+/-112.077 χ^2/NDF:20.0/18

+ sign 507.252+/-99.516 χ^2/NDF: 85.3/36

All: 360.950+/-70.765 χ^2/NDF: 125.6/74

- sign 211.305+/-100.646 χ^2/NDF: 35.9/37



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 436.710+/-0.077 χ^2/NDF:1181056.6/20

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

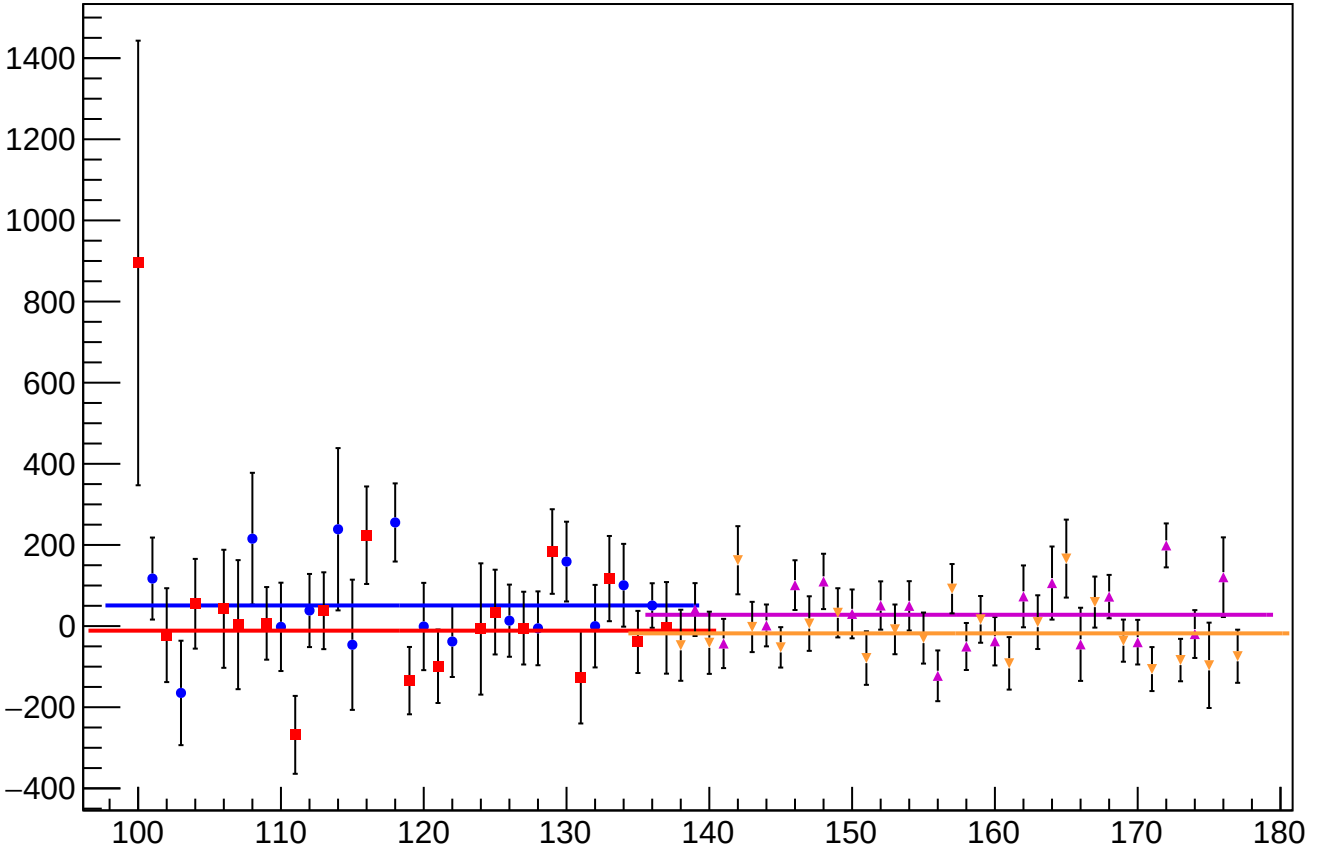
Left In: 432.732+/-0.079 χ^2/NDF:1086080.7/18

+ sign 469.453+/-0.070 χ^2/NDF: 2929437.6/36

All: 467.472+/-0.050 χ^2/NDF: 5771334.6/74

- sign 465.445+/-0.071 χ^2/NDF: 2840293.4/37

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -17.929+/-13.938 χ^2/NDF:23.0/20

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

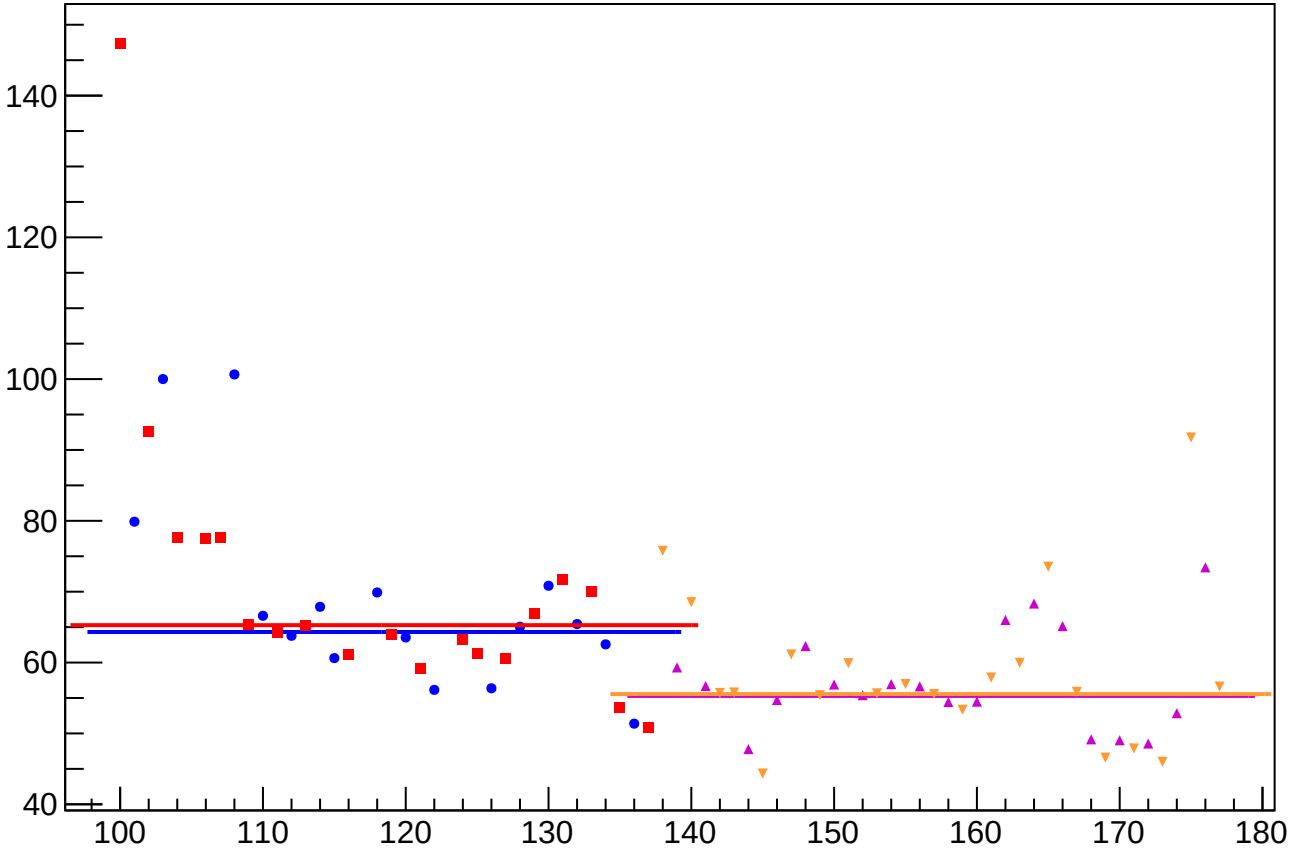
Left In: 27.883+/-14.348 χ^2/NDF:29.1/18

+ sign -1.101+/-12.114 χ^2/NDF: 42.8/36

All: 8.150+/-8.651 χ^2/NDF: 99.0/74

- sign 17.778+/-12.358 χ^2/NDF: 55.0/37

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.552+/-0.010 χ^2/NDF:777424.8/20

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

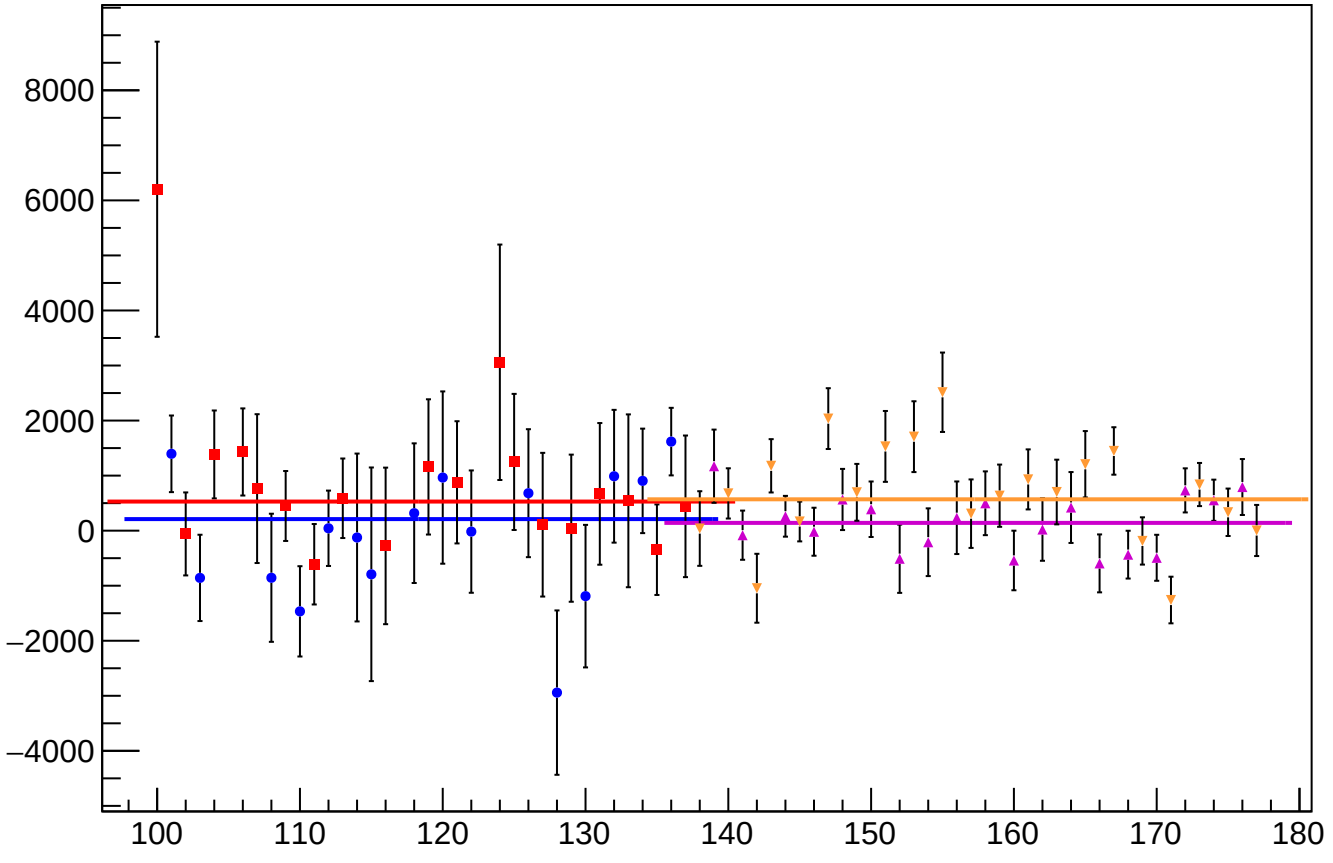
Left In: 55.293+/-0.010 χ^2/NDF:336852.2/18

+ sign 57.696+/-0.009 χ^2/NDF: 1435876.5/36

All: 57.781+/-0.006 χ^2/NDF: 2342054.4/74

- sign 57.870+/-0.009 χ^2/NDF: 905974.3/37

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 569.476+/-109.855 χ^2/NDF:59.9/20

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

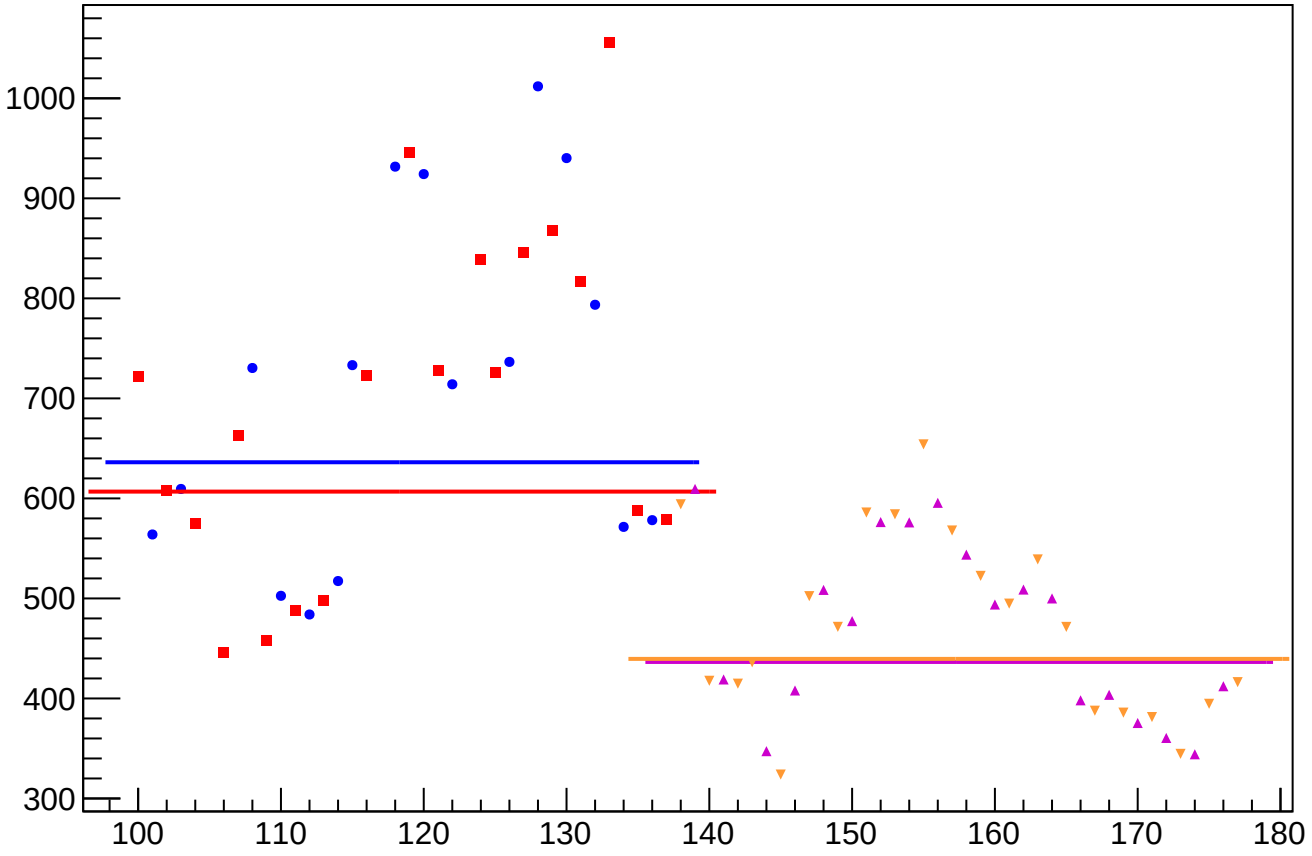
Left In: 141.252+/-112.989 χ^2/NDF:18.4/18

+ sign 508.810+/-100.157 χ^2/NDF: 84.1/36

All: 364.556+/-71.252 χ^2/NDF: 122.8/74

- sign 216.742+/-101.385 χ^2/NDF: 34.5/37

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 439.550+/-0.078 χ^2/NDF:1184779.7/20

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

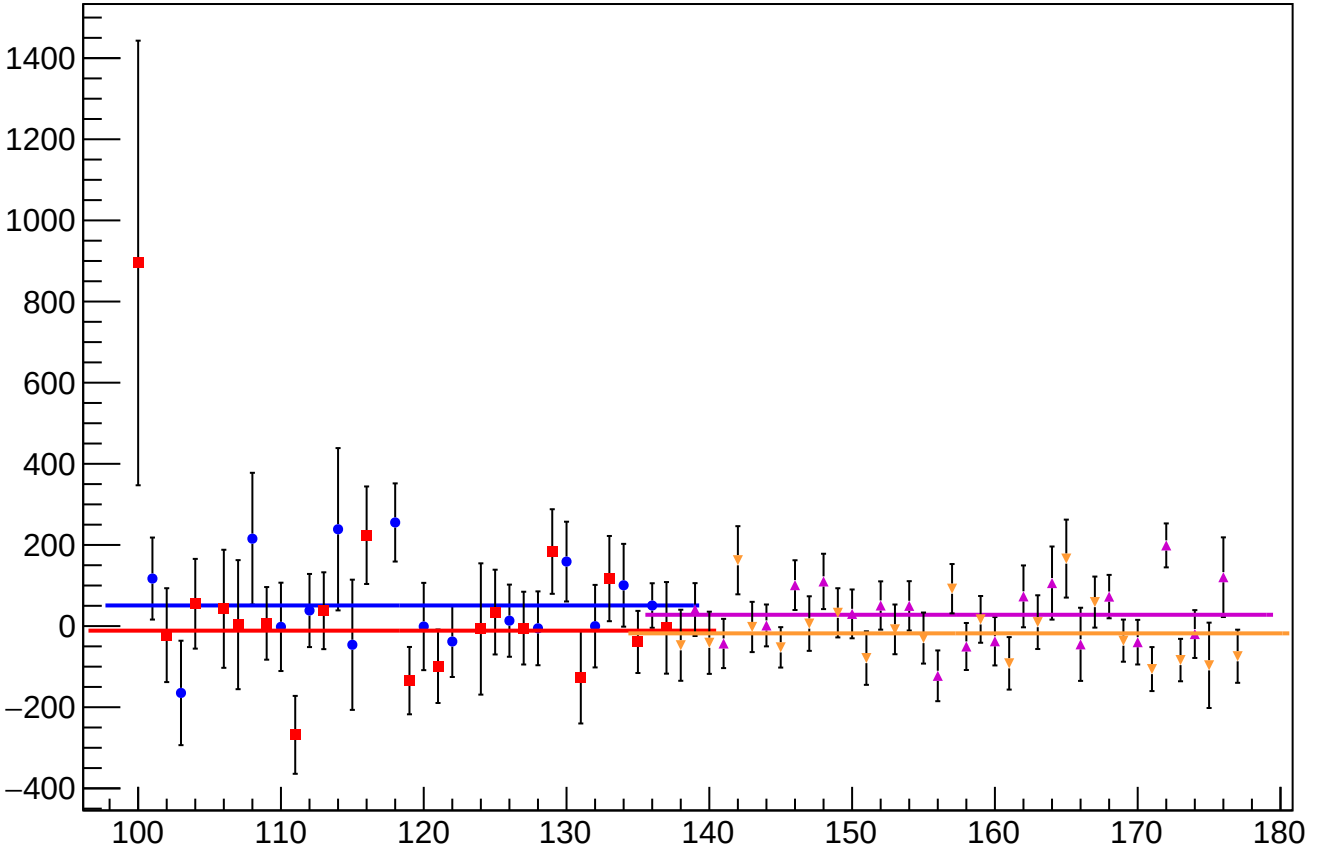
Left In: 436.503+/-0.080 χ^2/NDF:1036639.6/18

+ sign 472.730+/-0.071 χ^2/NDF: 2971030.2/36

All: 471.227+/-0.050 χ^2/NDF: 5787766.4/74

- sign 469.686+/-0.072 χ^2/NDF: 2815824.1/37

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -17.929+/-13.938 χ^2/NDF:23.0/20

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

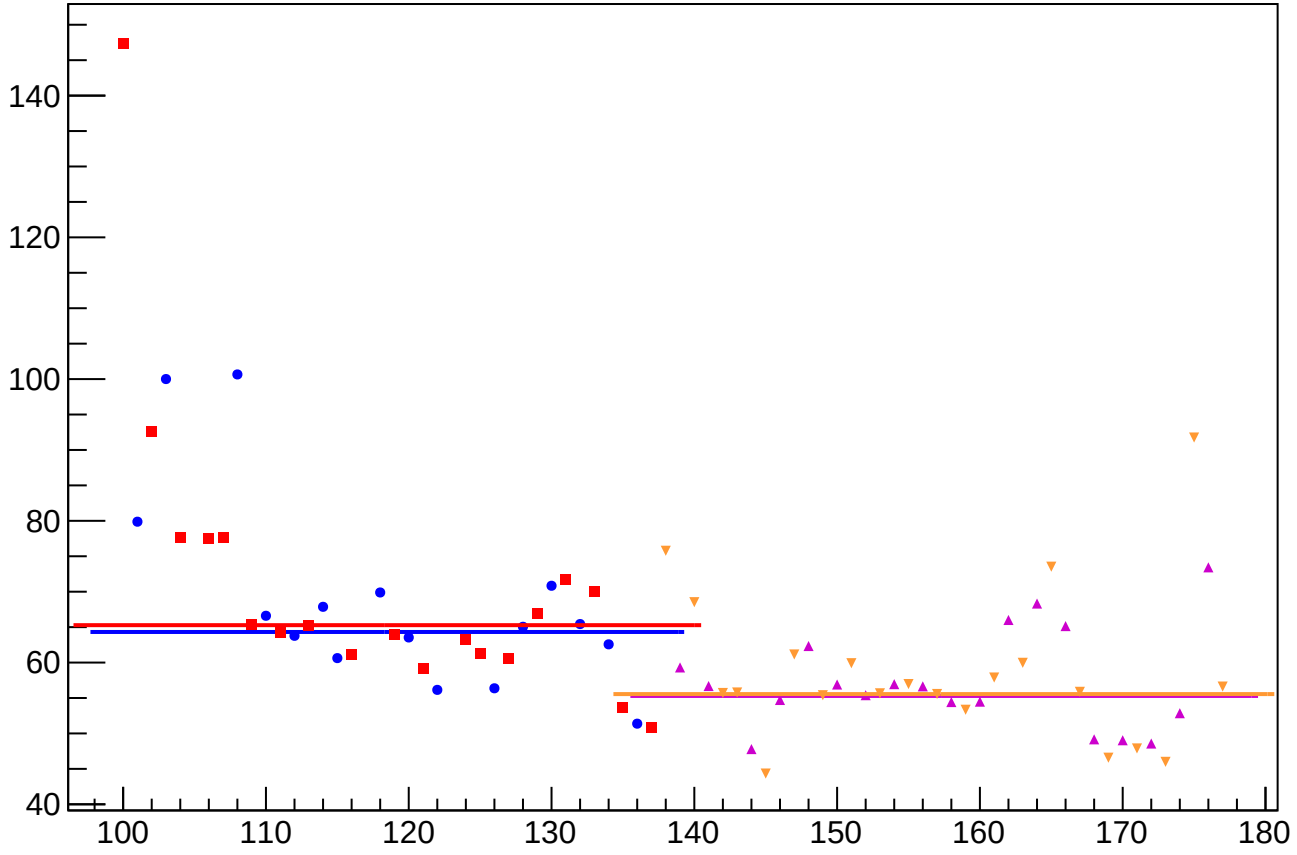
Left In: 27.882+/-14.348 χ^2/NDF:29.1/18

+ sign -1.102+/-12.114 χ^2/NDF: 42.8/36

All: 8.149+/-8.651 χ^2/NDF: 99.0/74

- sign 17.778+/-12.358 χ^2/NDF: 55.0/37

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.552+/-0.010 χ^2/NDF:777413.0/20

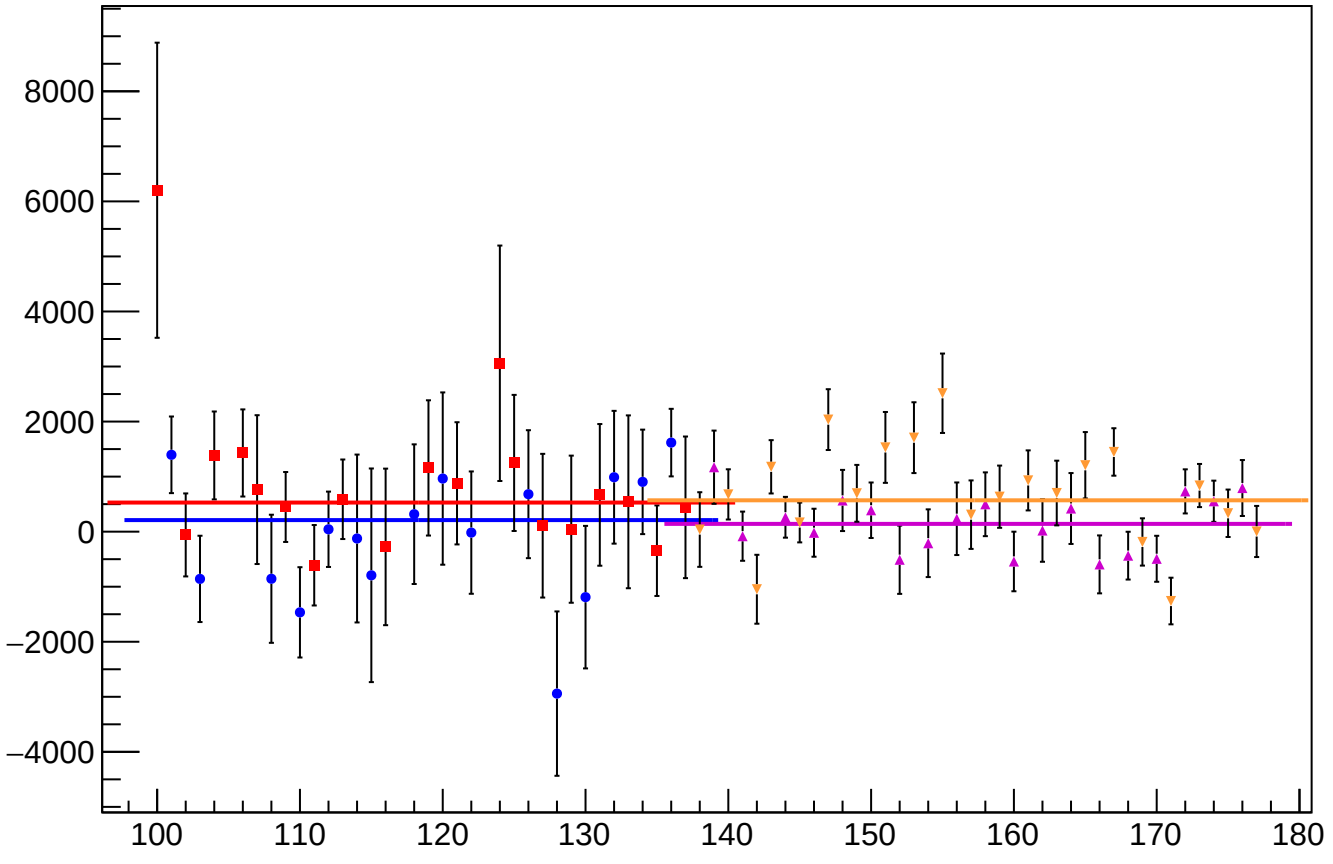
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.293+/-0.010 χ^2/NDF:336849.2/18

+ sign 57.696+/-0.009 χ^2/NDF: 1435854.2/36

All: 57.781+/-0.006 χ^2/NDF: 2342022.9/74

- sign 57.870+/-0.009 χ^2/NDF: 905965.2/37



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 569.476+/-109.855 χ^2/NDF:59.9/20

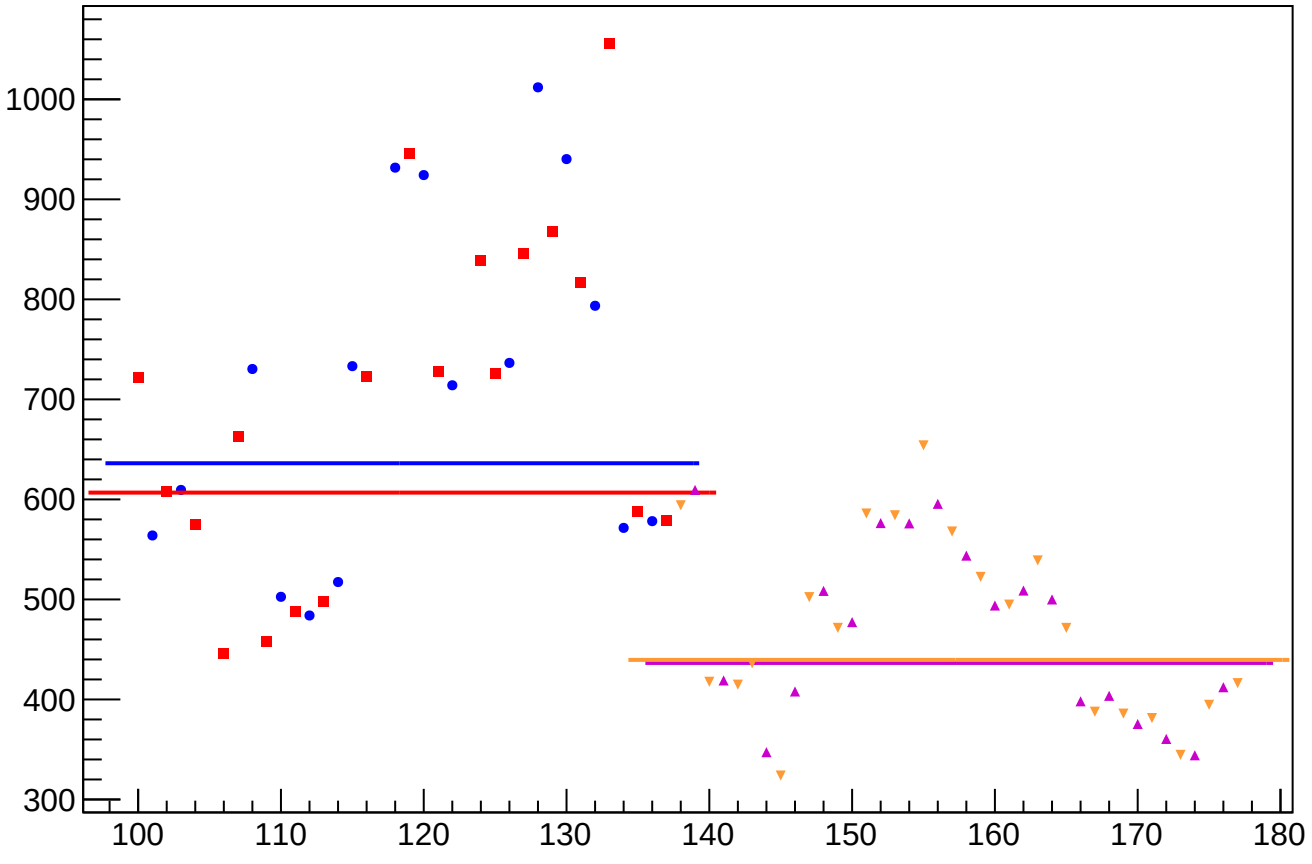
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 141.251+/-112.989 χ^2/NDF:18.4/18

+ sign 508.809+/-100.157 χ^2/NDF: 84.1/36

All: 364.556+/-71.252 χ^2/NDF: 122.8/74

- sign 216.742+/-101.385 χ^2/NDF: 34.5/37



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 439.549+/-0.078 χ^2/NDF:1184789.1/20

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

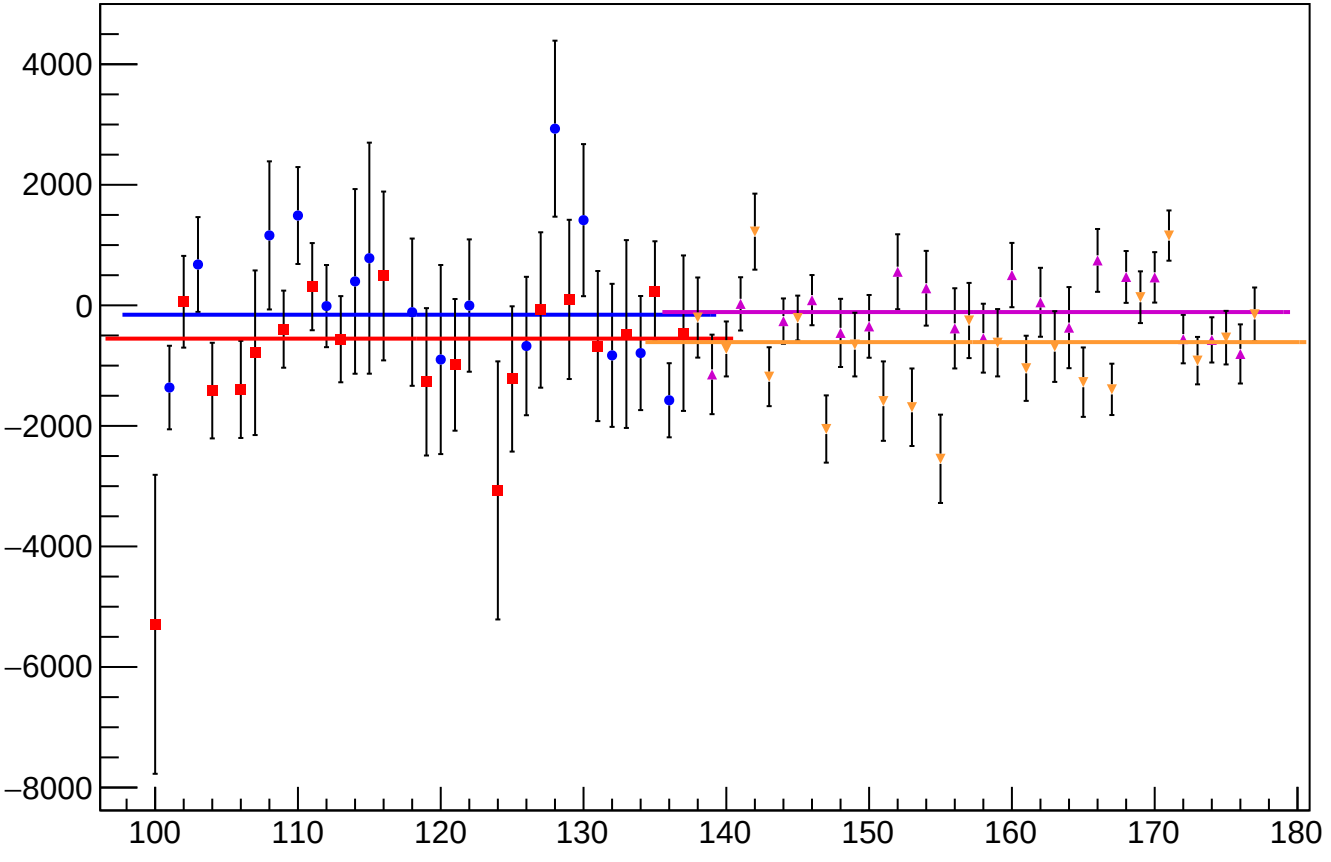
Left In: 436.502+/-0.080 χ^2/NDF:1036648.4/18

\+ sign 472.729+/-0.071 χ^2/NDF: 2971048.2/36

All: 471.226+/-0.050 χ^2/NDF: 5787801.9/74

\- sign 469.685+/-0.072 χ^2/NDF: 2815841.5/37

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -610.022+/-109.937 χ^2/NDF:58.5/20

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

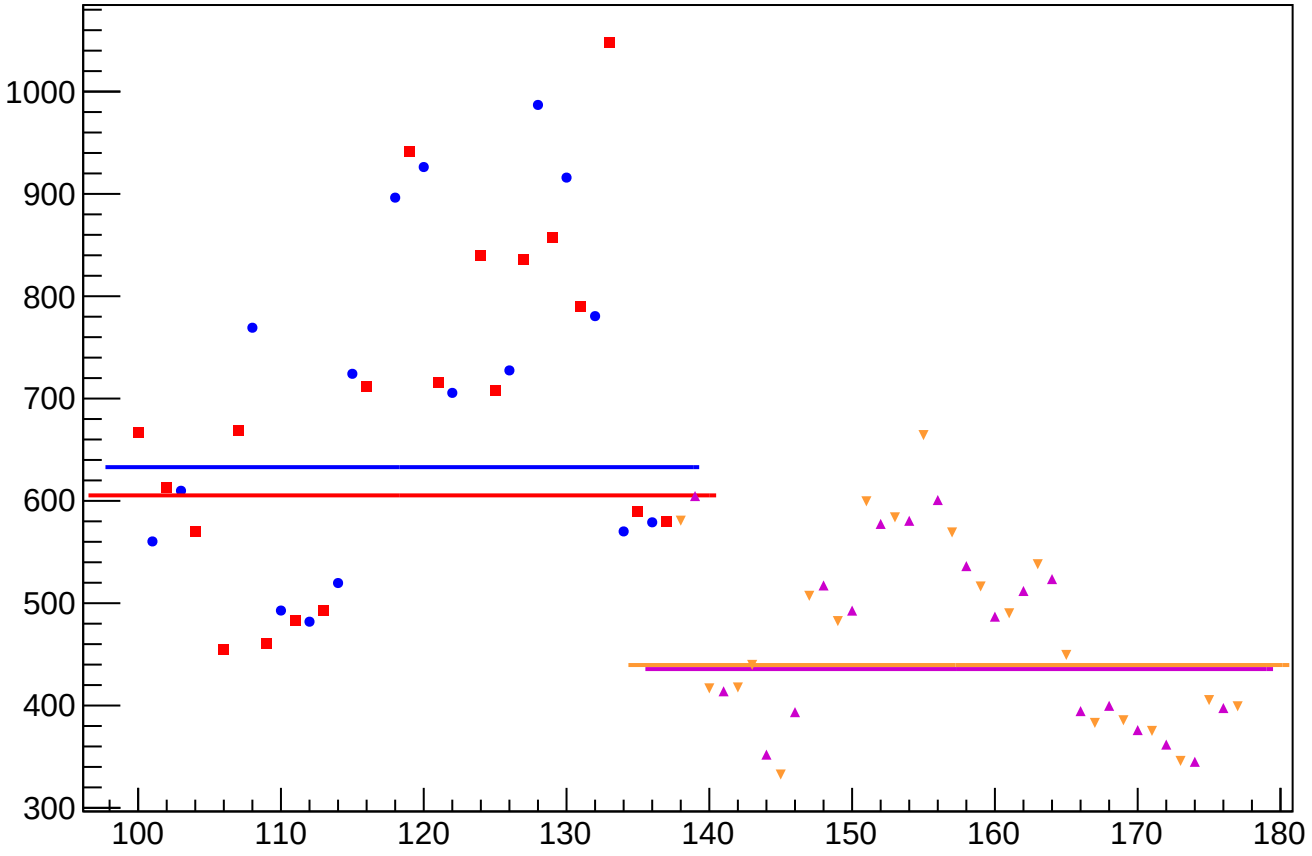
Left In: -111.435+/-112.798 χ^2/NDF:18.6/18

\+ sign -532.609+/-100.135 χ^2/NDF: 83.9/36

All: -366.821+/-71.172 χ^2/NDF: 123.1/74

\- sign -197.556+/-101.179 χ^2/NDF: 33.7/37

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 439.580+/-0.078 χ^2/NDF:1167095.8/20

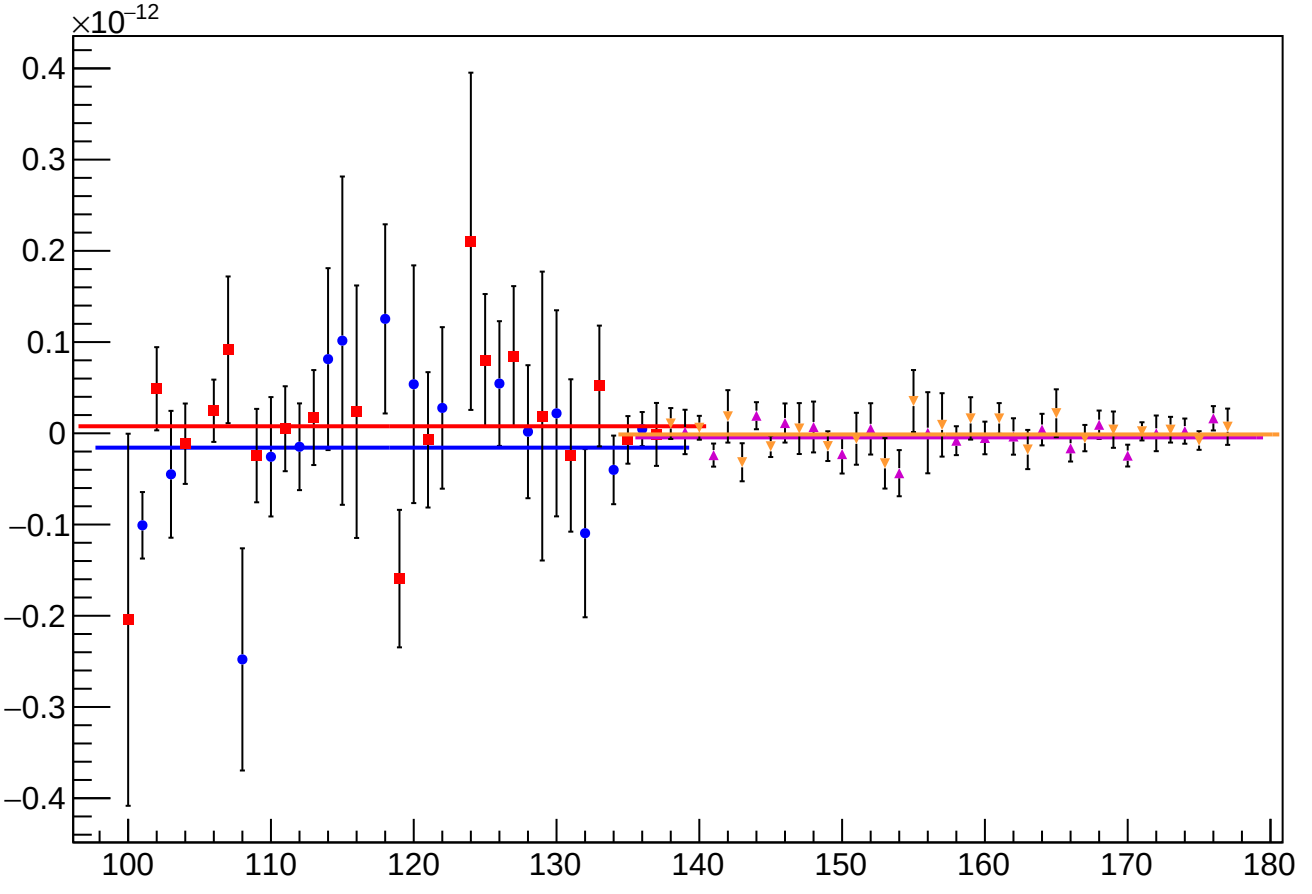
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 435.627+/-0.080 χ^2/NDF:1071322.6/18

+ sign 472.528+/-0.071 χ^2/NDF: 2902621.9/36

All: 470.681+/-0.050 χ^2/NDF: 5714338.4/74

- sign 468.796+/-0.072 χ^2/NDF: 2810341.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

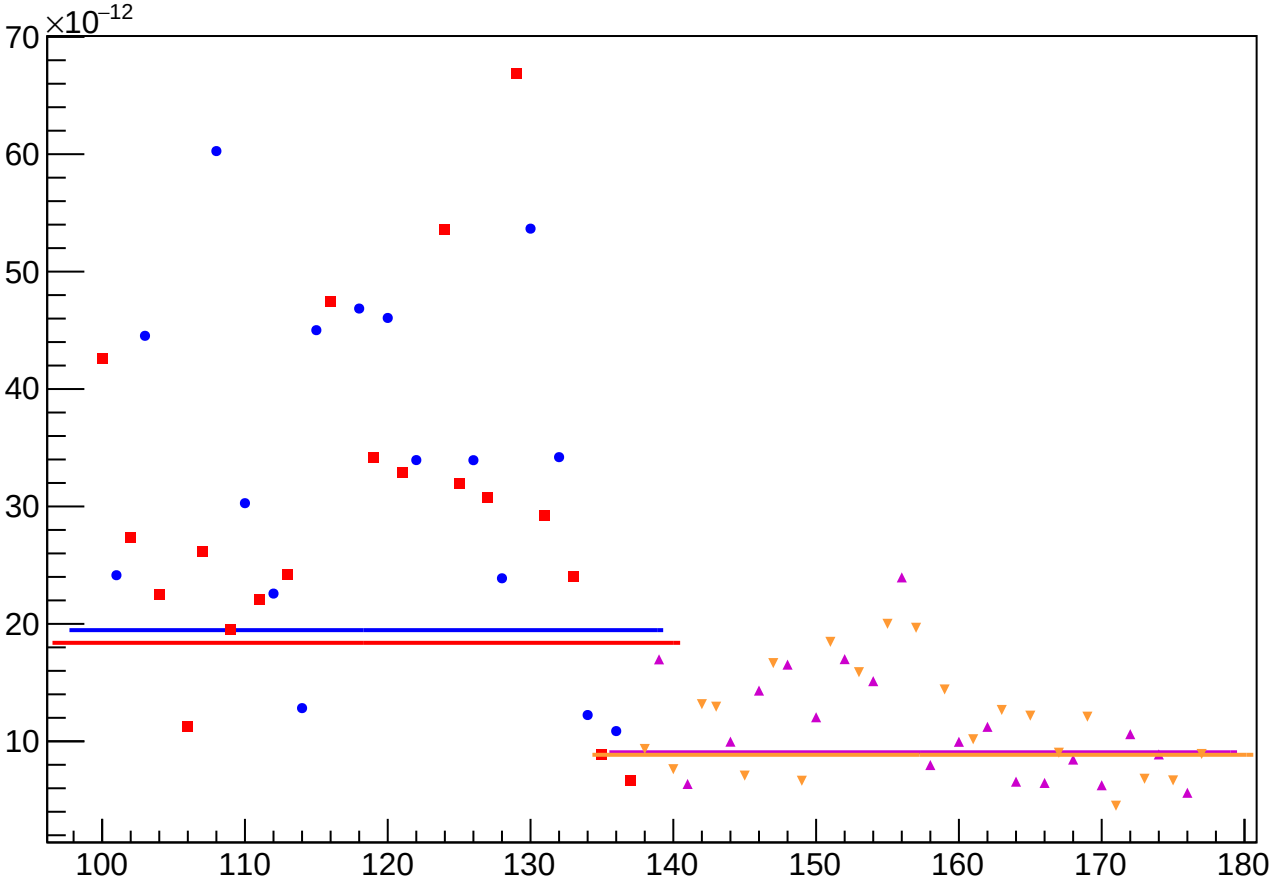
Left In: -0.000+/-0.000 χ^2/NDF:16.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/36

All: -0.000+/-0.000 χ^2/NDF: 60.3/74

- sign -0.000+/-0.000 χ^2/NDF: 30.1/37

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1935212.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

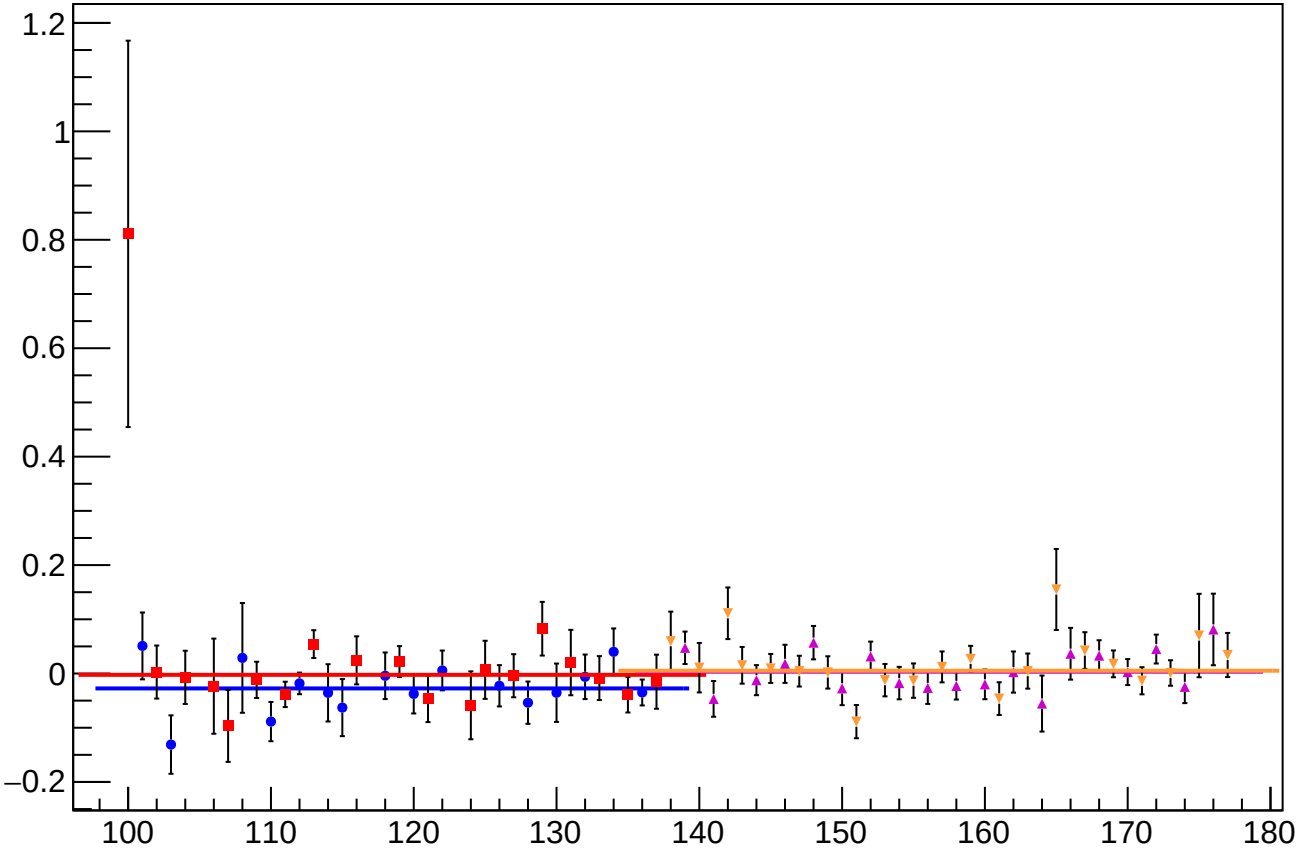
Left In: 0.000+/-0.000 χ^2/NDF:1514928.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 4975749.4/36

All: 0.000+/-0.000 χ^2/NDF: 9003034.0/74

- sign 0.000+/-0.000 χ^2/NDF: 4022081.4/37

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

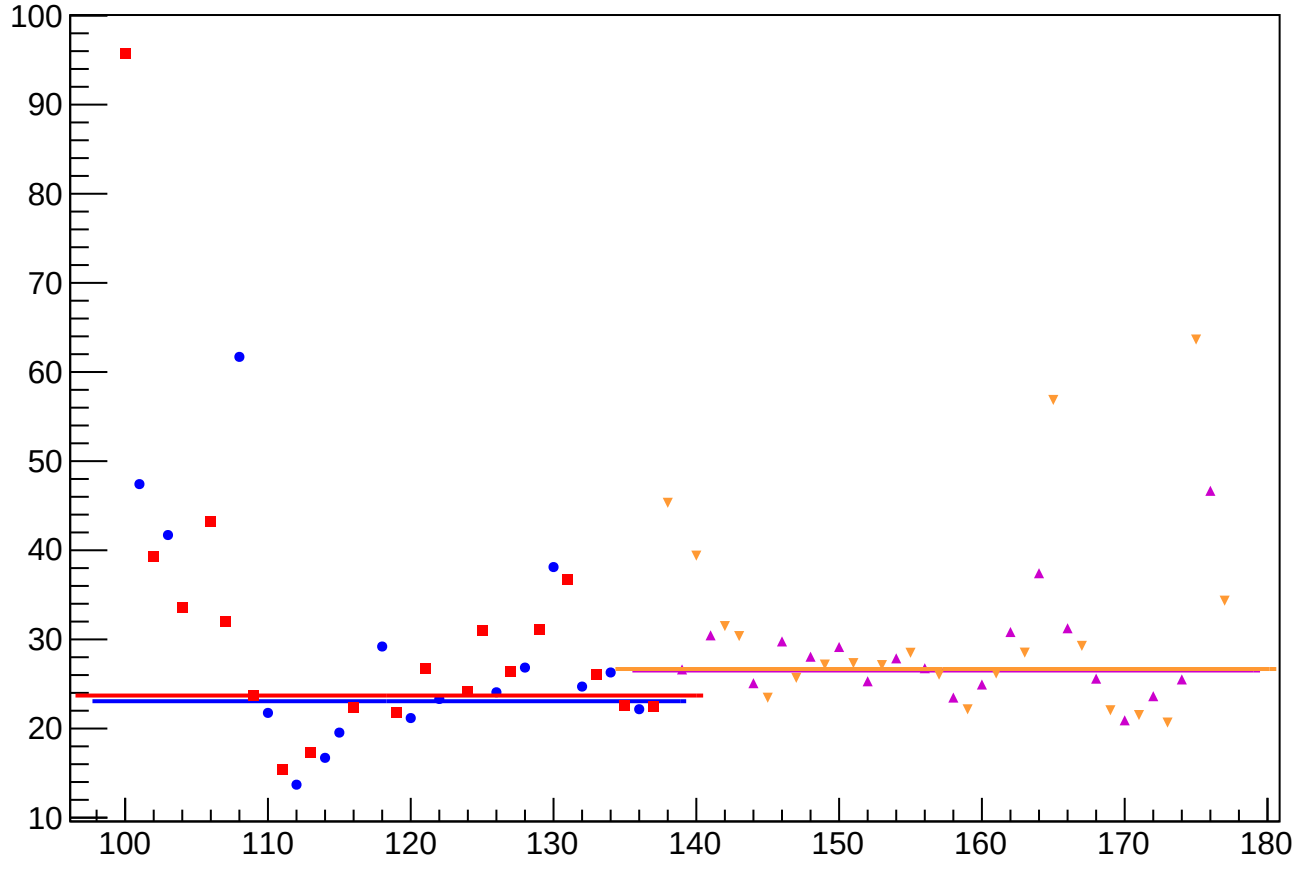
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.003+/-0.007 χ^2/NDF:21.0/18

+ sign -0.006+/-0.006 χ^2/NDF: 48.7/36

All: -0.003+/-0.004 χ^2/NDF: 93.0/74

- sign 0.001+/-0.006 χ^2/NDF: 43.3/37



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709375.4/20

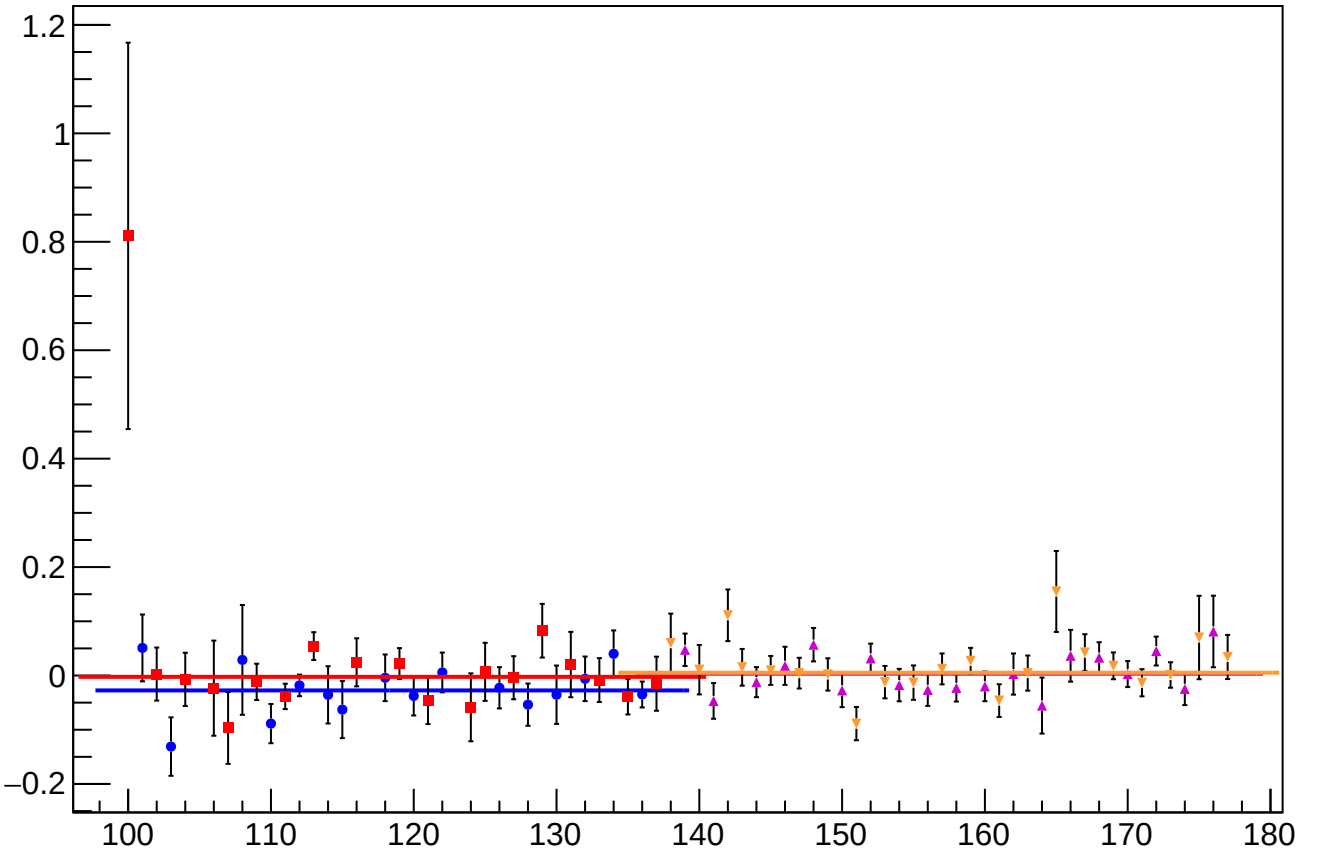
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.511+/-0.005 χ^2/NDF:572484.1/18

+ sign 25.411+/-0.004 χ^2/NDF: 3465855.8/36

All: 25.445+/-0.003 χ^2/NDF: 5242736.2/74

- sign 25.481+/-0.004 χ^2/NDF: 1776720.5/37



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

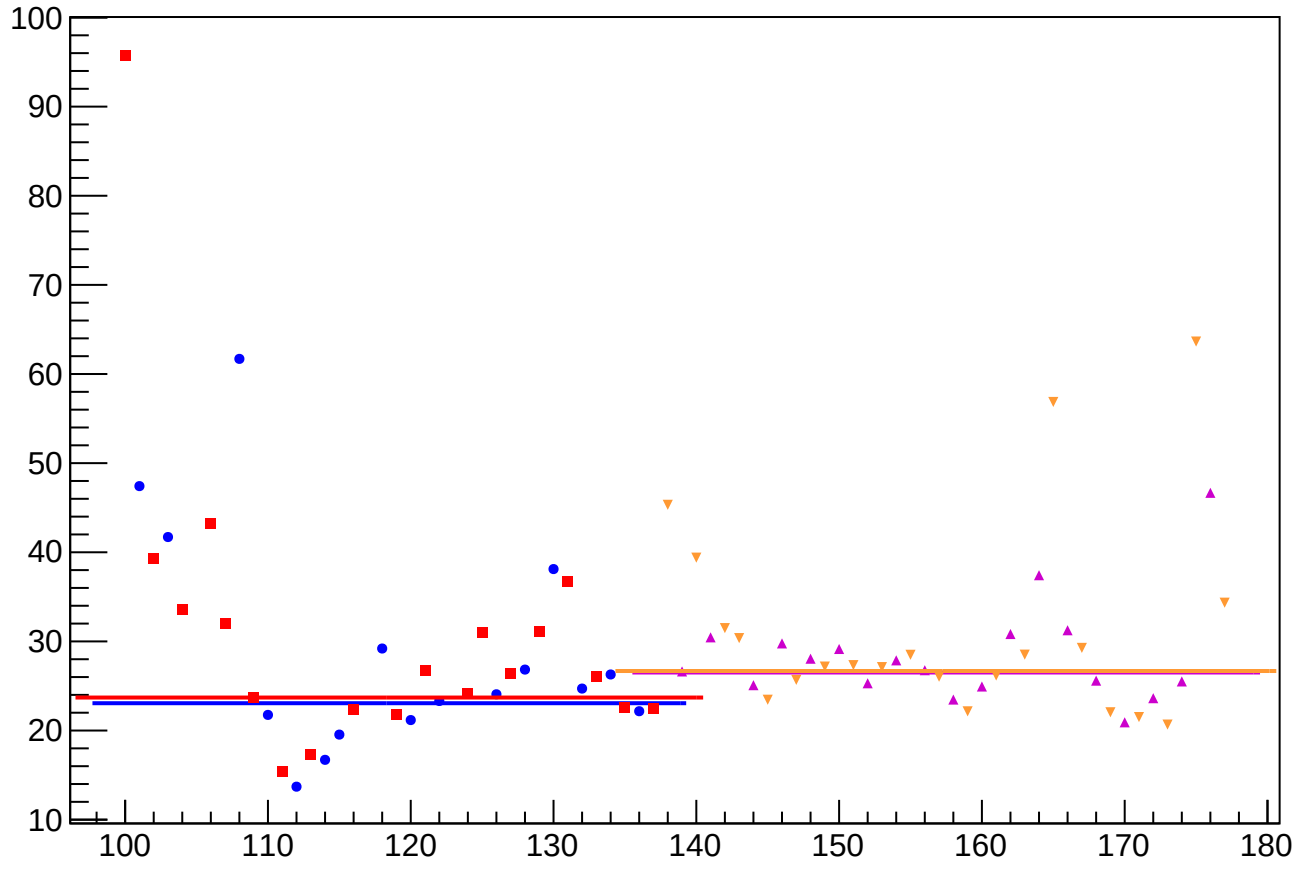
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.003+/-0.007 χ^2/NDF:21.0/18

+ sign -0.006+/-0.006 χ^2/NDF: 48.7/36

All: -0.003+/-0.004 χ^2/NDF: 93.0/74

- sign 0.001+/-0.006 χ^2/NDF: 43.3/37



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709375.4/20

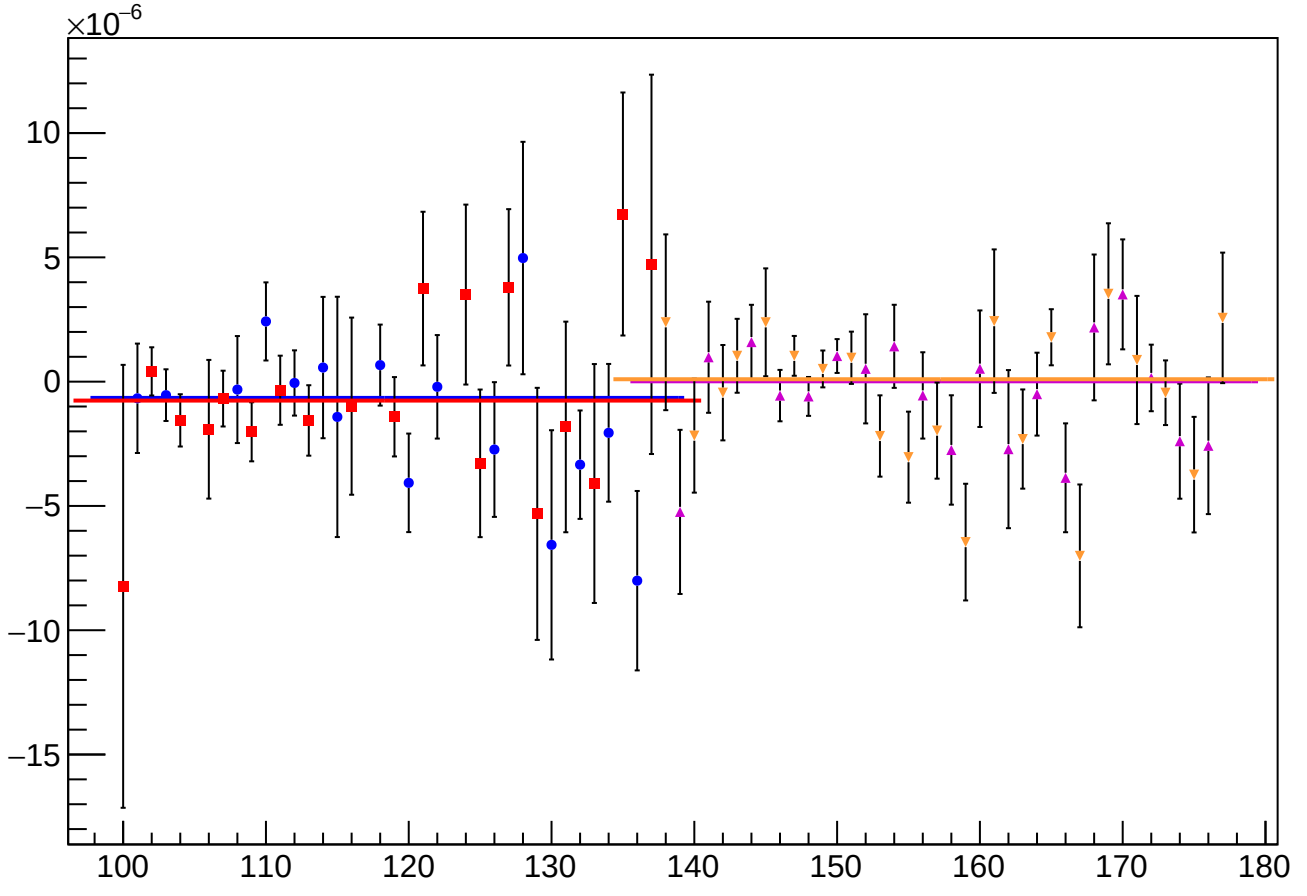
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.511+/-0.005 χ^2/NDF:572484.1/18

+ sign 25.411+/-0.004 χ^2/NDF: 3465855.8/36

All: 25.445+/-0.003 χ^2/NDF: 5242736.2/74

- sign 25.481+/-0.004 χ^2/NDF: 1776720.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/20

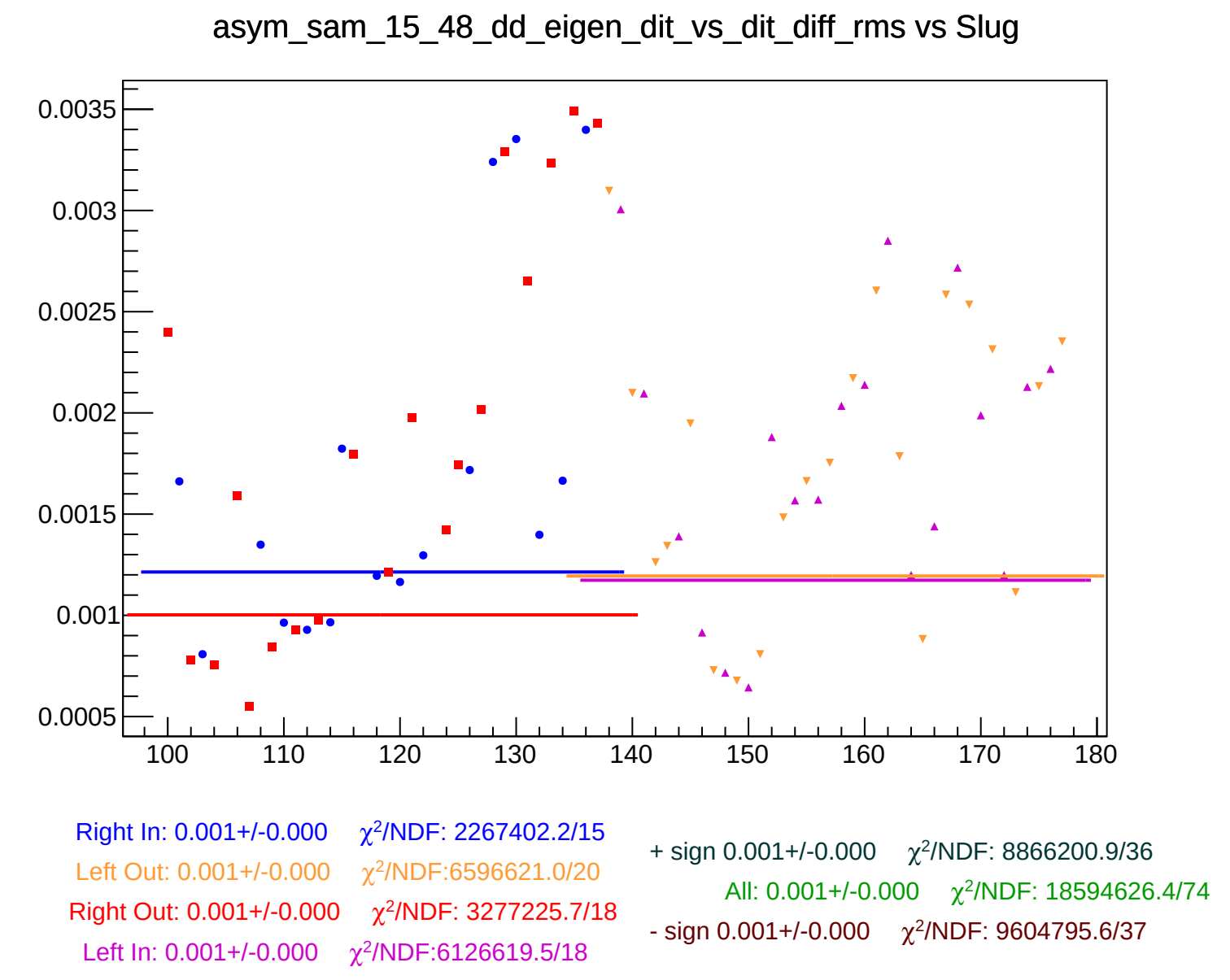
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

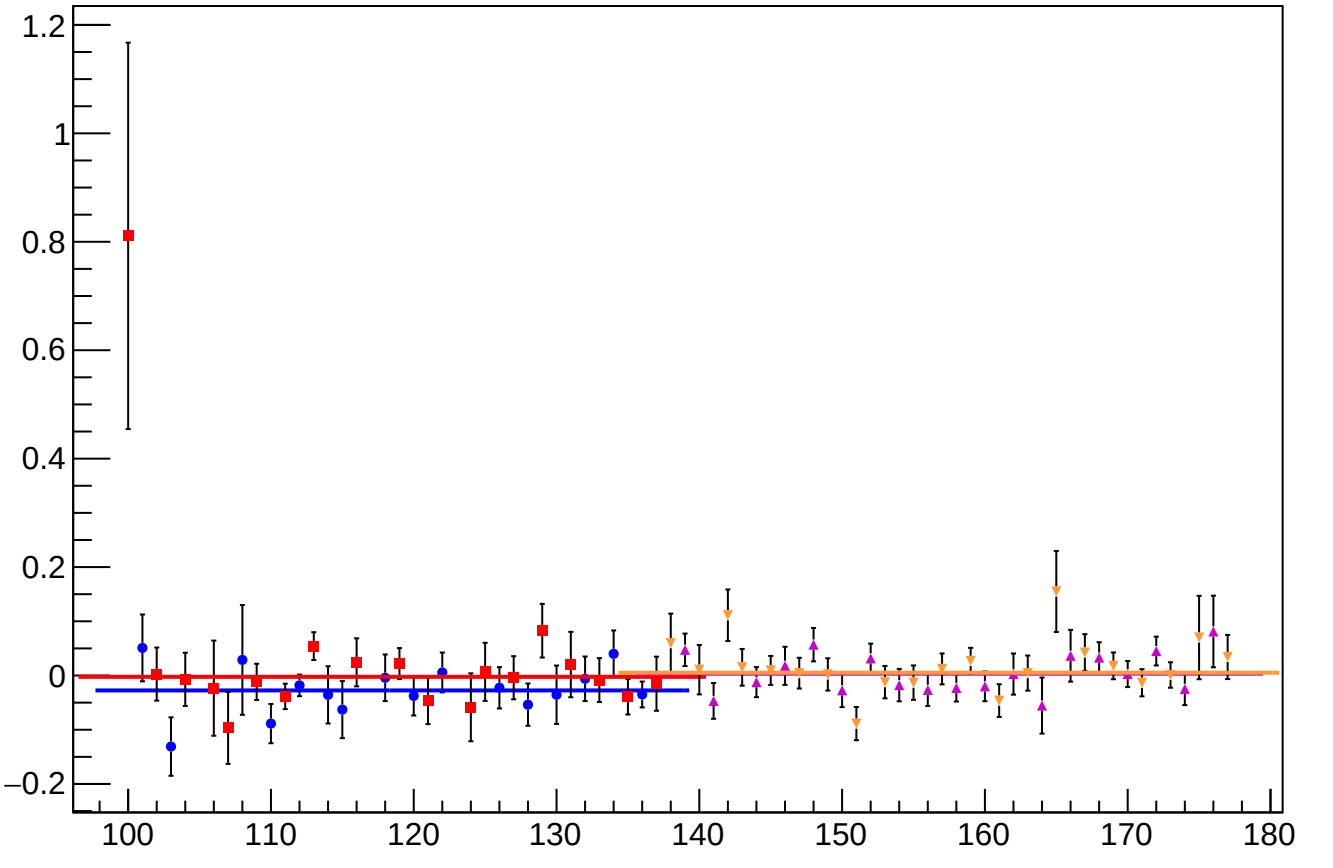
Left In: 0.000+/-0.000 χ^2/NDF:18.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/36

All: -0.000+/-0.000 χ^2/NDF: 90.0/74

- sign -0.000+/-0.000 χ^2/NDF: 35.7/37


asym_sam_15_48_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: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6596621.0/20
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:6126619.5/18
+ sign 0.001+/-0.000 χ²/NDF: 8866200.9/36
All: 0.001+/-0.000 χ²/NDF: 18594626.4/74
- sign 0.001+/-0.000 χ²/NDF: 9604795.6/37



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

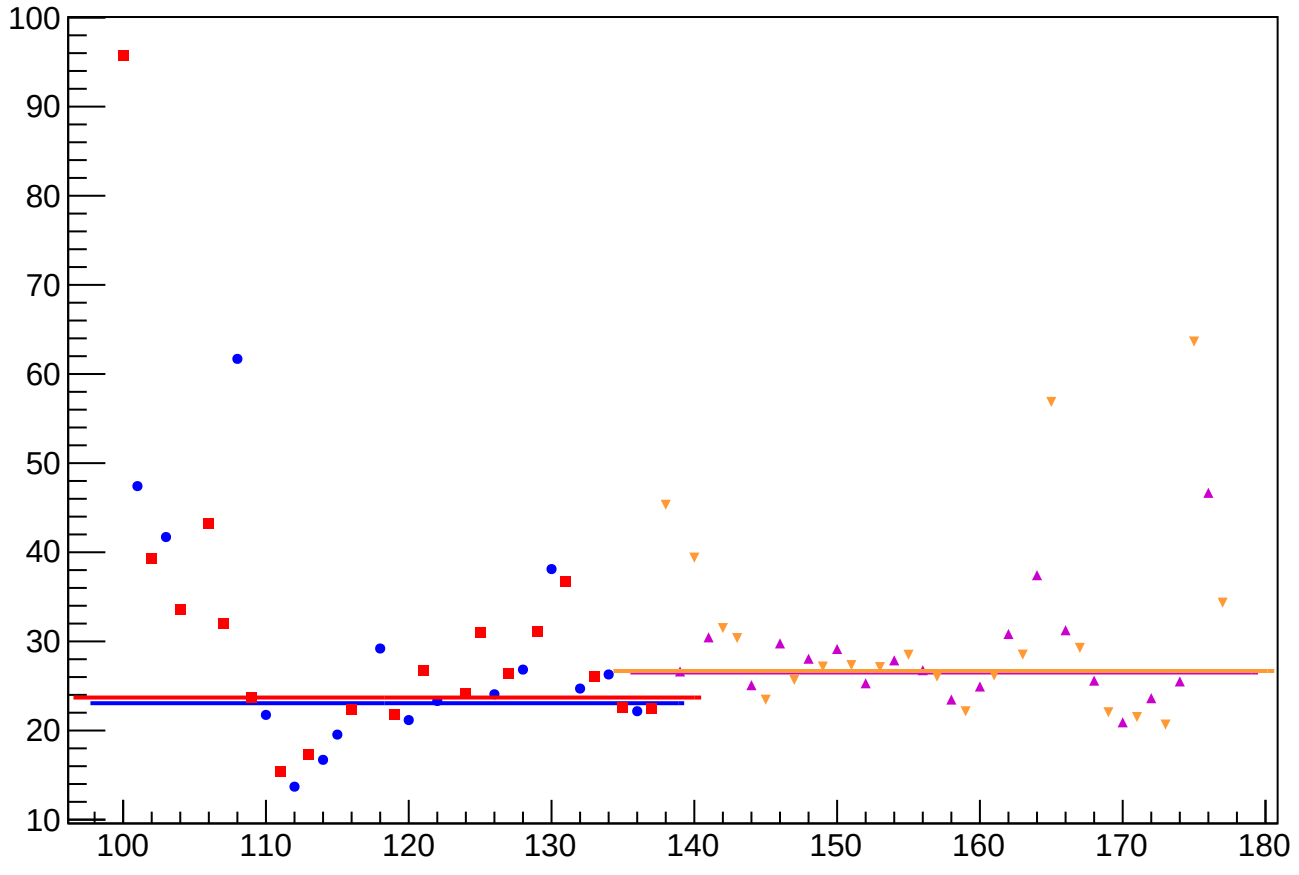
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.003+/-0.007 χ^2/NDF:21.0/18

+ sign -0.006+/-0.006 χ^2/NDF: 48.7/36

All: -0.003+/-0.004 χ^2/NDF: 93.0/74

- sign 0.001+/-0.006 χ^2/NDF: 43.3/37



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709312.4/20

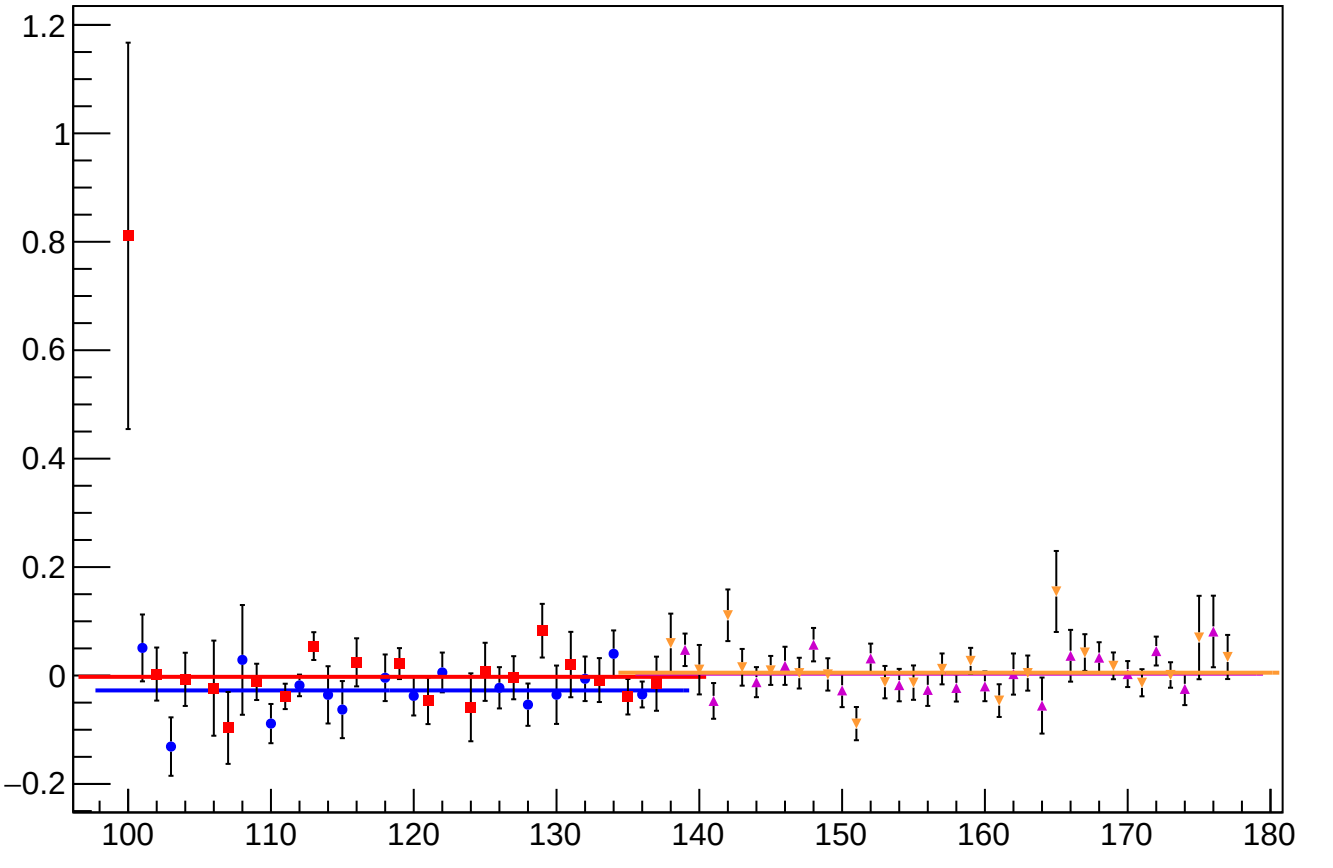
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.511+/-0.005 χ^2/NDF:572478.5/18

+ sign 25.411+/-0.004 χ^2/NDF: 3465862.6/36

All: 25.446+/-0.003 χ^2/NDF: 5242810.0/74

- sign 25.481+/-0.004 χ^2/NDF: 1776788.0/37



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

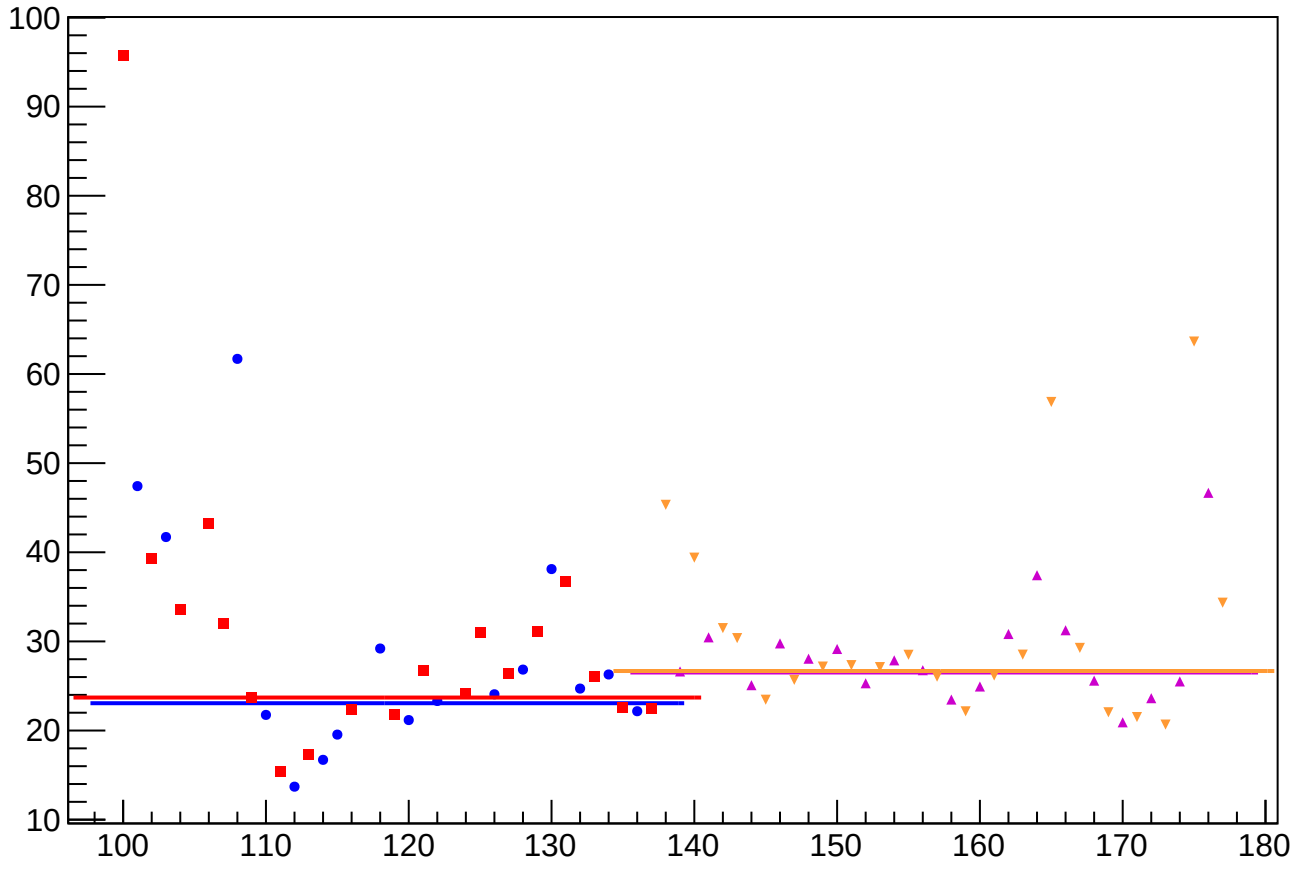
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.003+/-0.007 χ^2/NDF:21.0/18

+ sign -0.006+/-0.006 χ^2/NDF: 48.7/36

All: -0.003+/-0.004 χ^2/NDF: 93.0/74

- sign 0.001+/-0.006 χ^2/NDF: 43.3/37



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709312.4/20

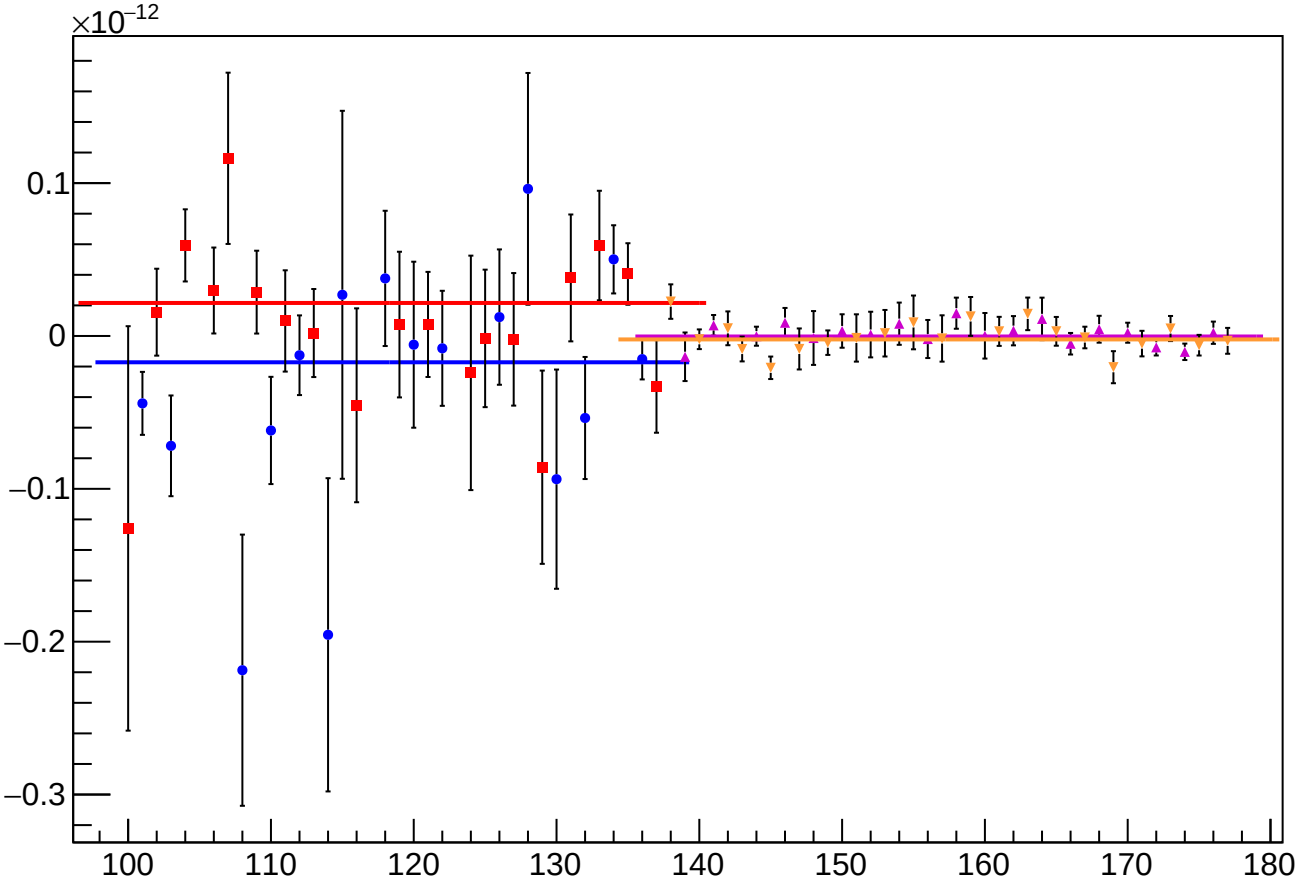
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.511+/-0.005 χ^2/NDF:572478.5/18

+ sign 25.411+/-0.004 χ^2/NDF: 3465862.6/36

All: 25.446+/-0.003 χ^2/NDF: 5242810.0/74

- sign 25.481+/-0.004 χ^2/NDF: 1776788.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/20

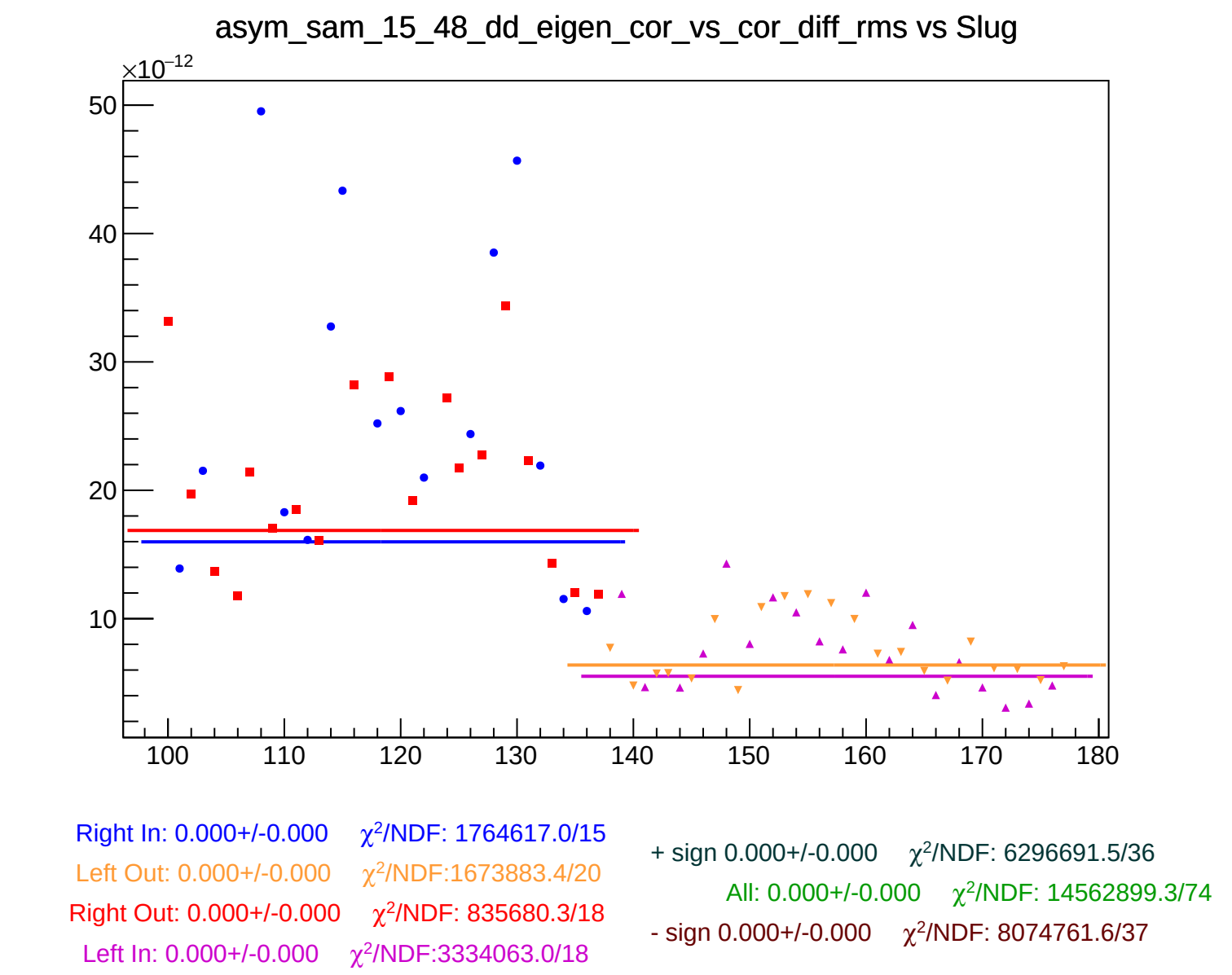
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/18

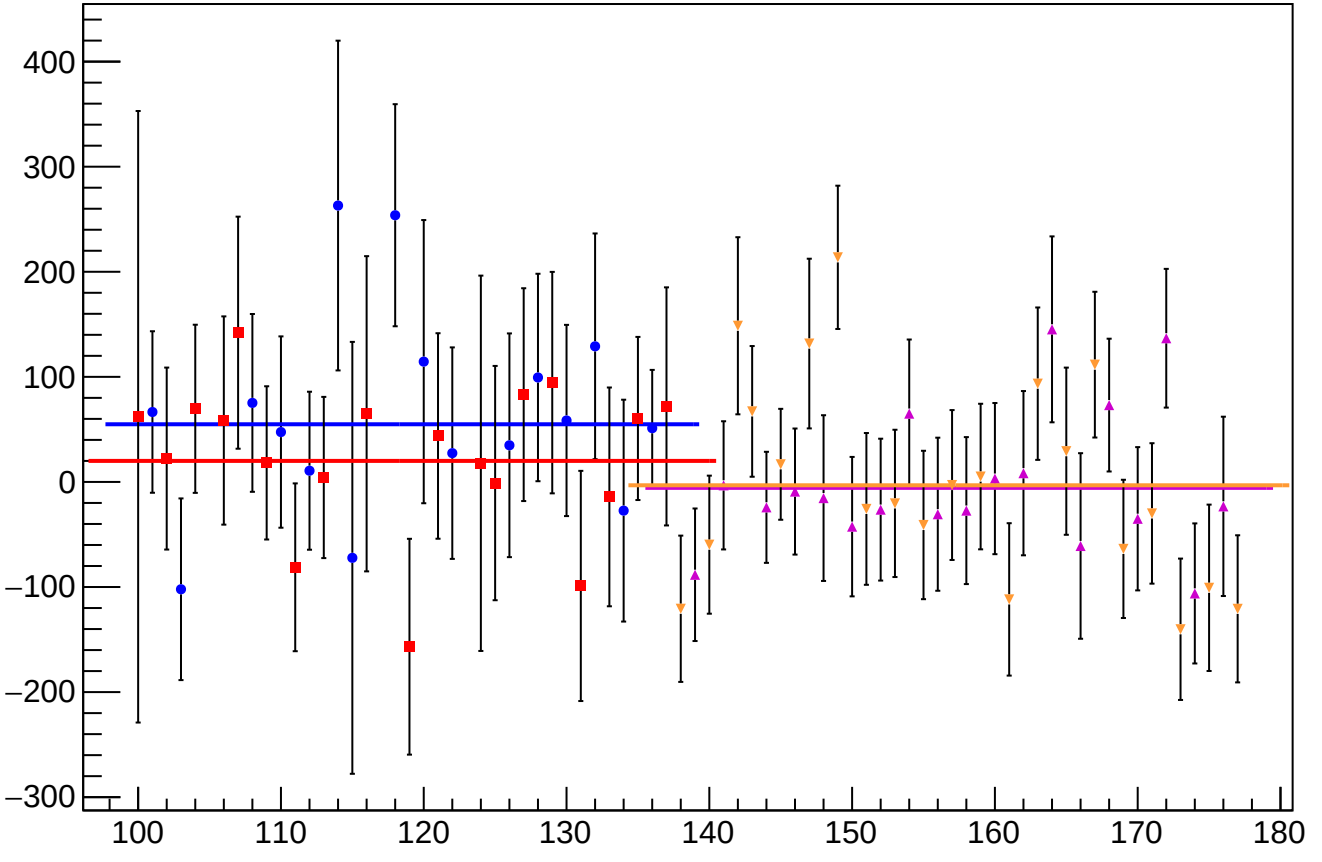
+ sign -0.000+/-0.000 χ^2/NDF: 55.0/36

All: -0.000+/-0.000 χ^2/NDF: 95.2/74

- sign 0.000+/-0.000 χ^2/NDF: 37.9/37


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:1673883.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3334063.0/18
+ sign 0.000+/-0.000 χ²/NDF: 6296691.5/36
All: 0.000+/-0.000 χ²/NDF: 14562899.3/74
- sign 0.000+/-0.000 χ²/NDF: 8074761.6/37

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -3.183+/-15.159 χ^2/NDF:38.1/20

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

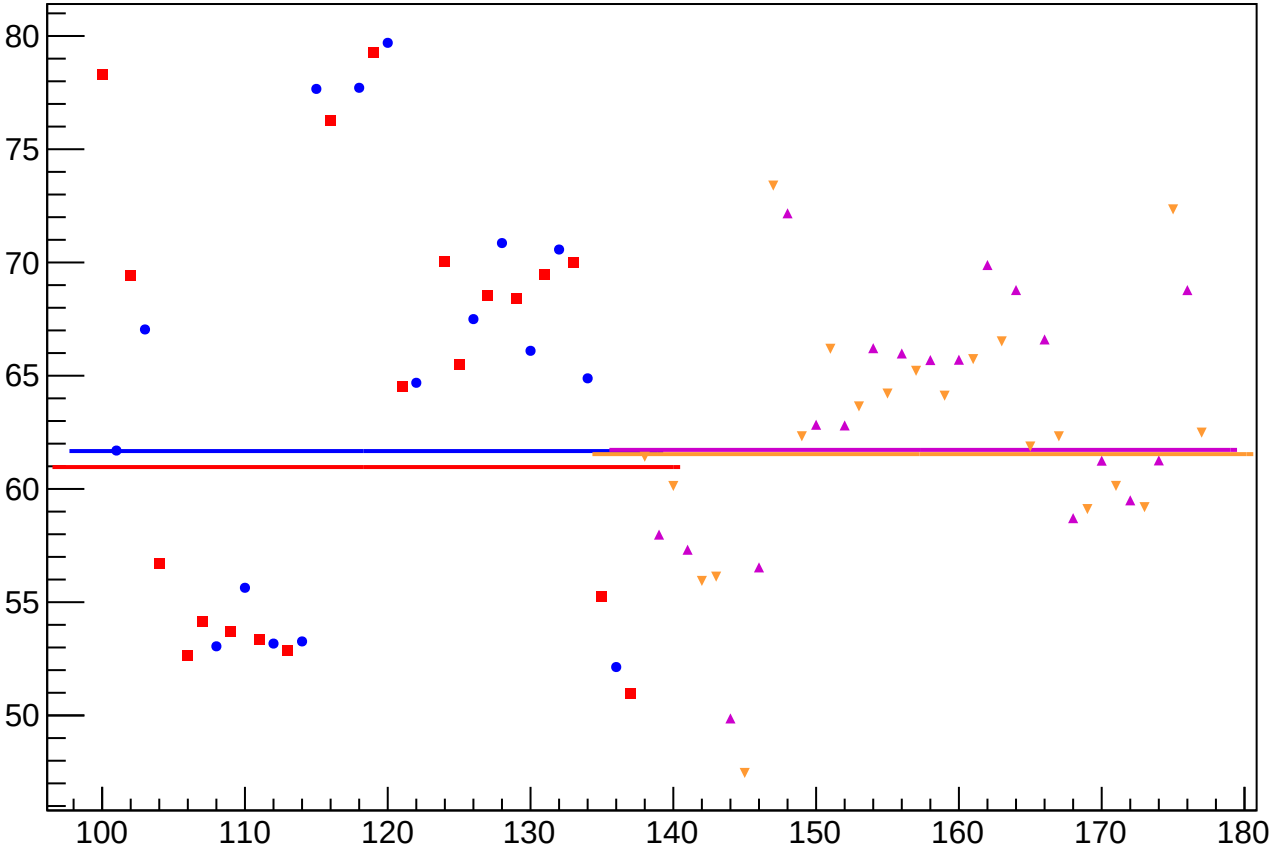
Left In: -5.636+/-15.756 χ^2/NDF:15.5/18

+ sign 14.212+/-12.686 χ^2/NDF: 53.5/36

All: 8.595+/-9.052 χ^2/NDF: 79.5/74

- sign 2.770+/-12.919 χ^2/NDF: 25.6/37

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.538+/-0.011 χ^2/NDF:291727.0/20

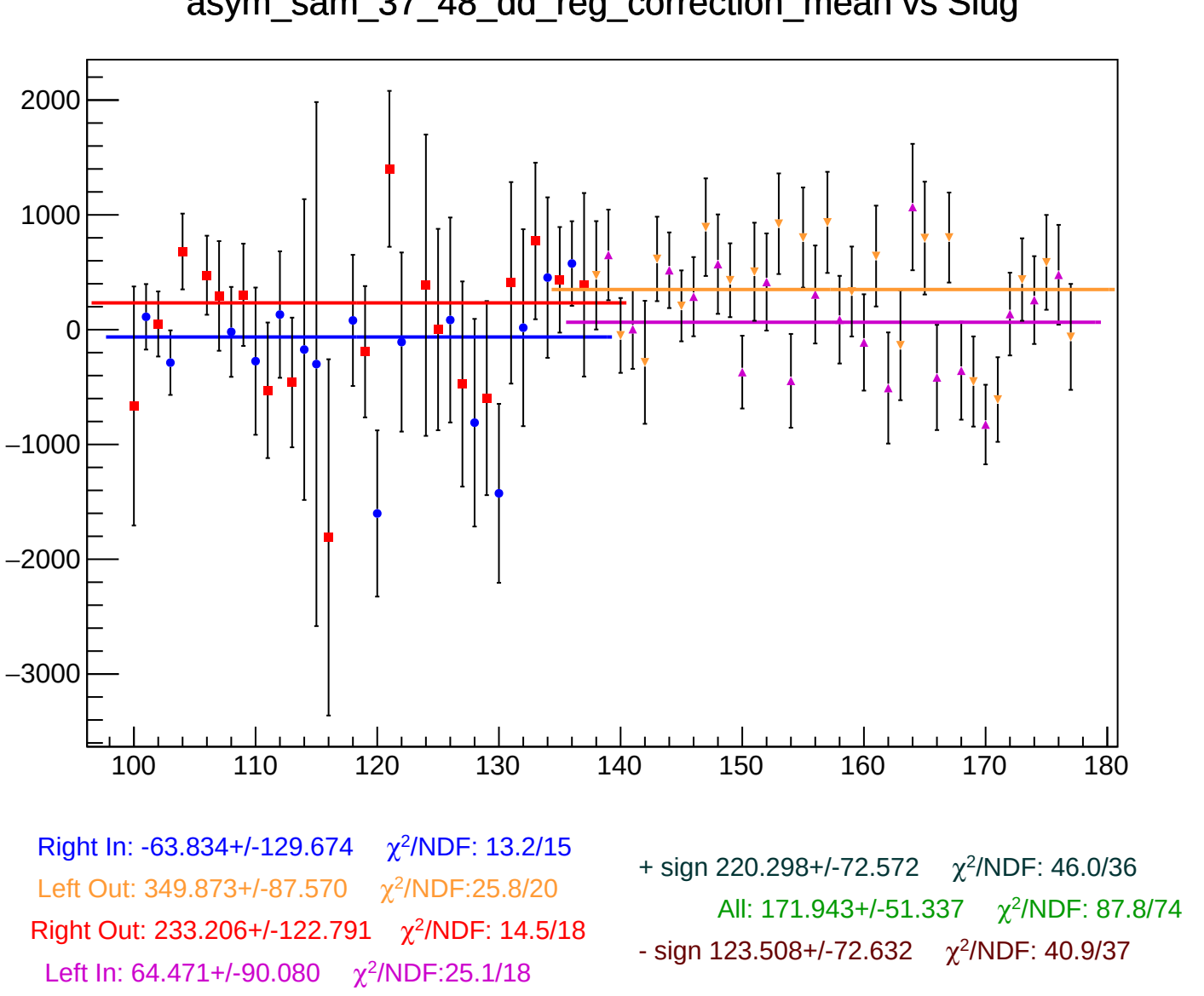
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

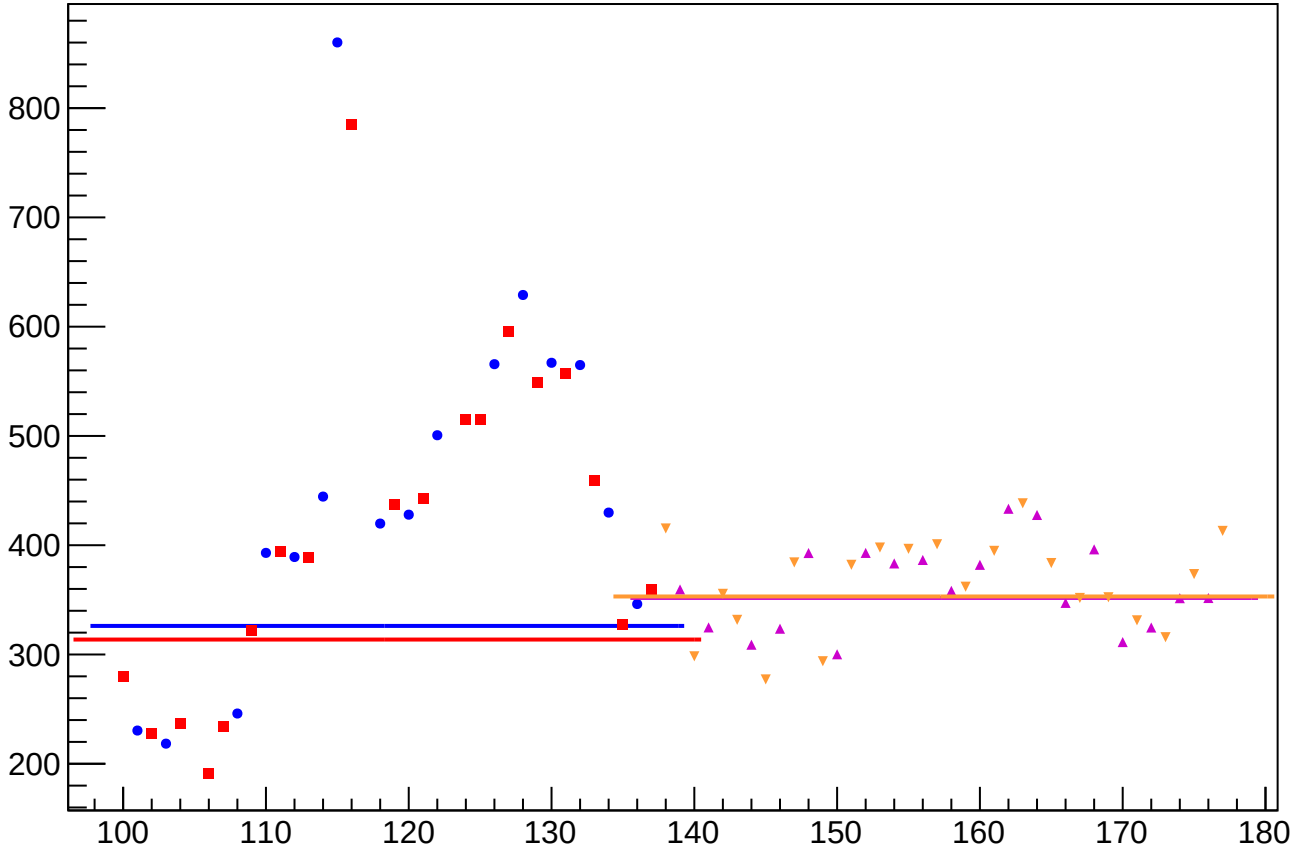
\+ sign 61.578+/-0.009 χ^2/NDF: 558882.8/36

All: 61.528+/-0.006 χ^2/NDF: 1102812.5/74

\- sign 61.477+/-0.009 χ^2/NDF: 543867.0/37


asym_sam_37_48_dd_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 349.873+/-87.570 χ²/NDF:25.8/20
Right Out: 233.206+/-122.791 χ²/NDF: 14.5/18
Left In: 64.471+/-90.080 χ²/NDF:25.1/18
+ sign 220.298+/-72.572 χ²/NDF: 46.0/36
All: 171.943+/-51.337 χ²/NDF: 87.8/74
- sign 123.508+/-72.632 χ²/NDF: 40.9/37

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 353.085+/-0.062 χ^2/NDF:528754.0/20

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

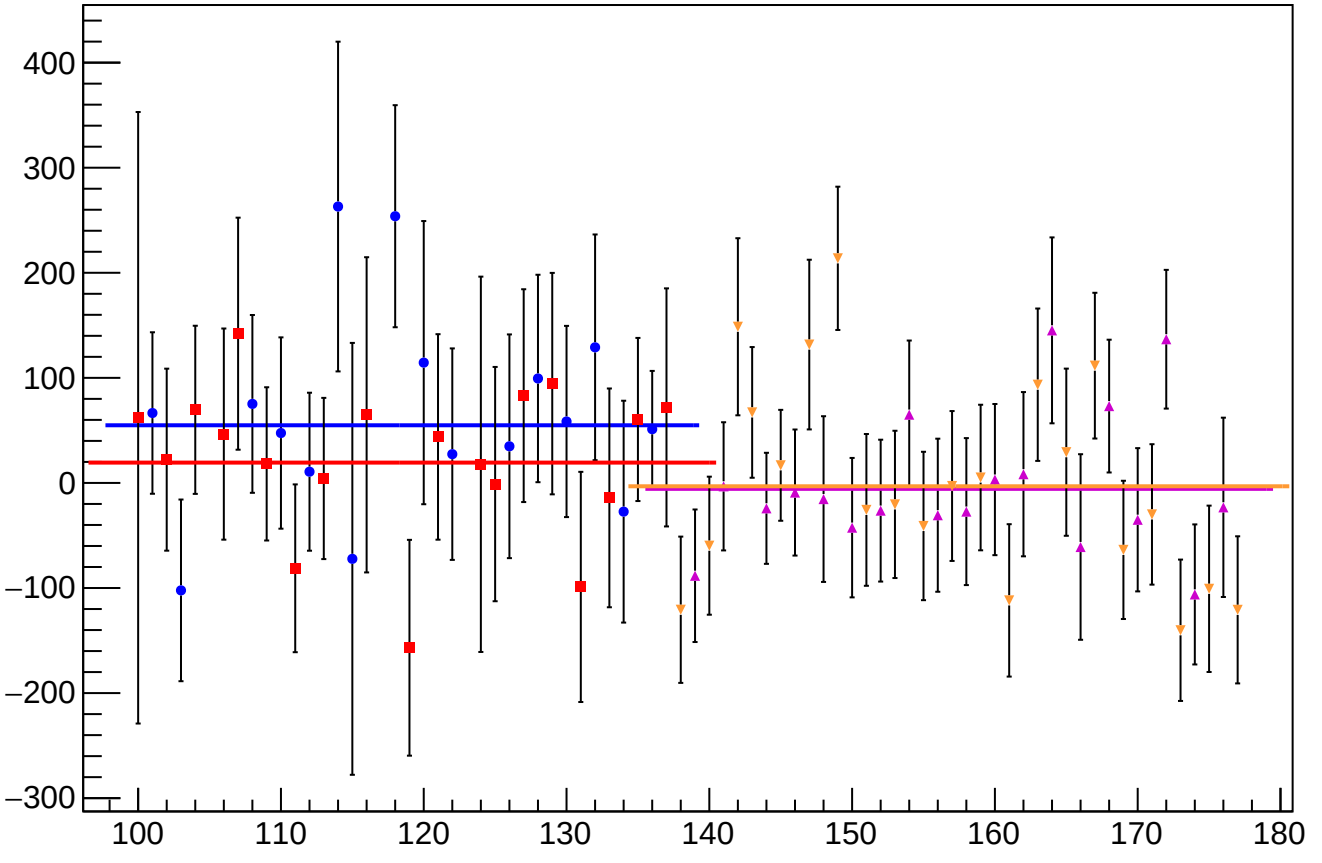
Left In: 351.779+/-0.064 χ^2/NDF:341242.5/18

+ sign 344.648+/-0.051 χ^2/NDF: 2322022.3/36

All: 341.549+/-0.036 χ^2/NDF: 4583133.3/74

- sign 338.446+/-0.051 χ^2/NDF: 2253813.7/37

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -3.185+/-15.159 χ^2/NDF:38.1/20

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

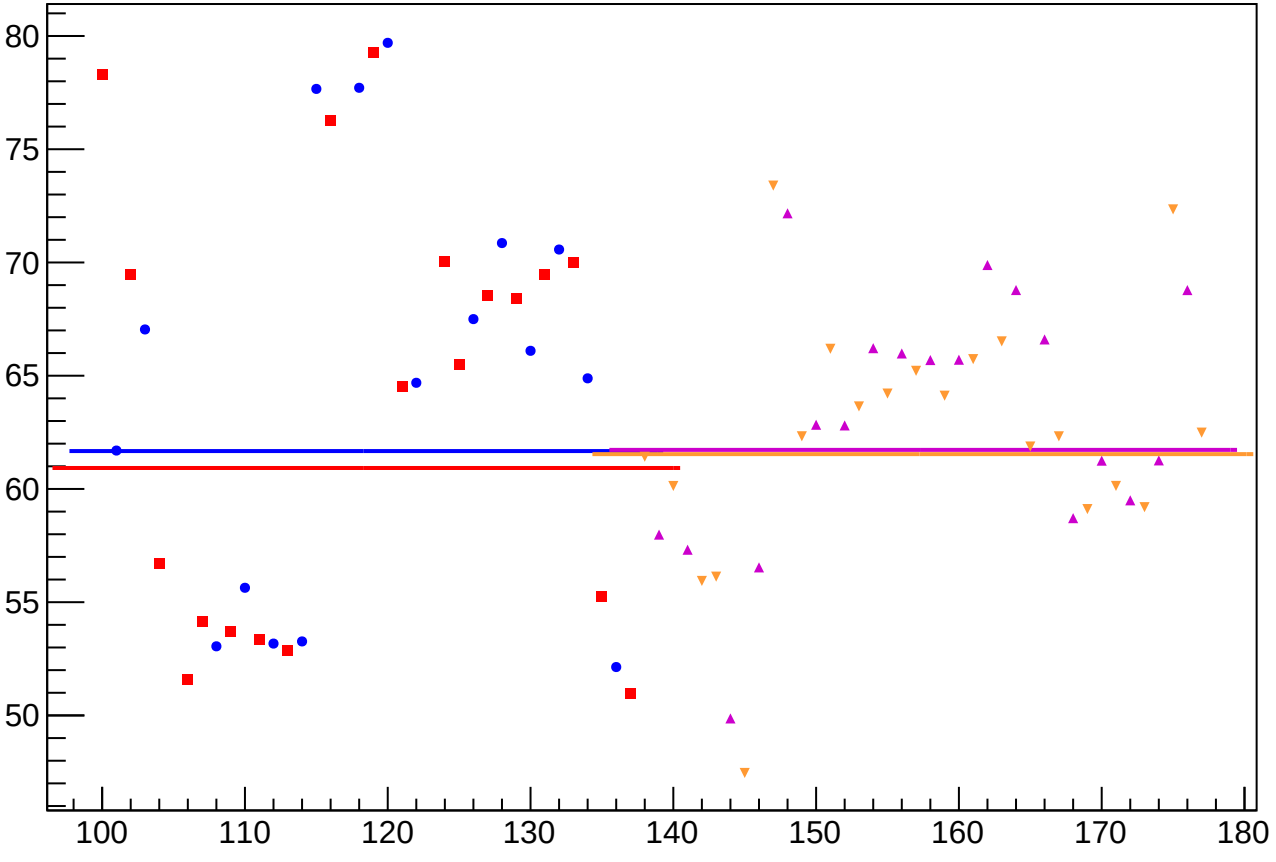
Left In: -5.635+/-15.756 χ^2/NDF:15.5/18

+ sign 14.209+/-12.686 χ^2/NDF: 53.5/36

All: 8.484+/-9.053 χ^2/NDF: 79.4/74

- sign 2.544+/-12.922 χ^2/NDF: 25.5/37

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.538+/-0.011 χ^2/NDF:291727.0/20

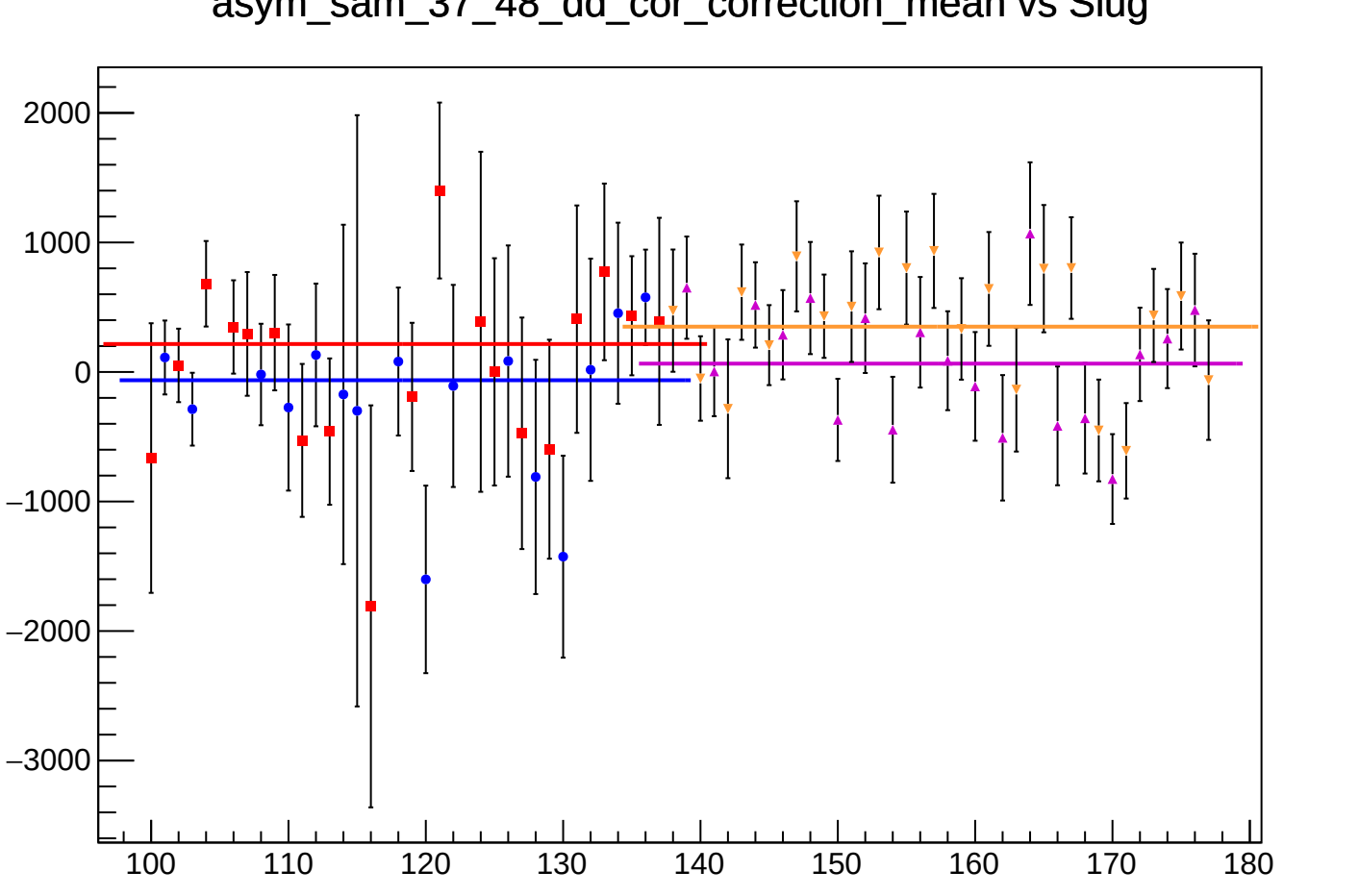
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

+ sign 61.578+/-0.009 χ^2/NDF: 558883.0/36

All: 61.522+/-0.006 χ^2/NDF: 1106392.5/74

- sign 61.464+/-0.009 χ^2/NDF: 547429.6/37



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 349.872+/-87.570 χ^2/NDF:25.8/20

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

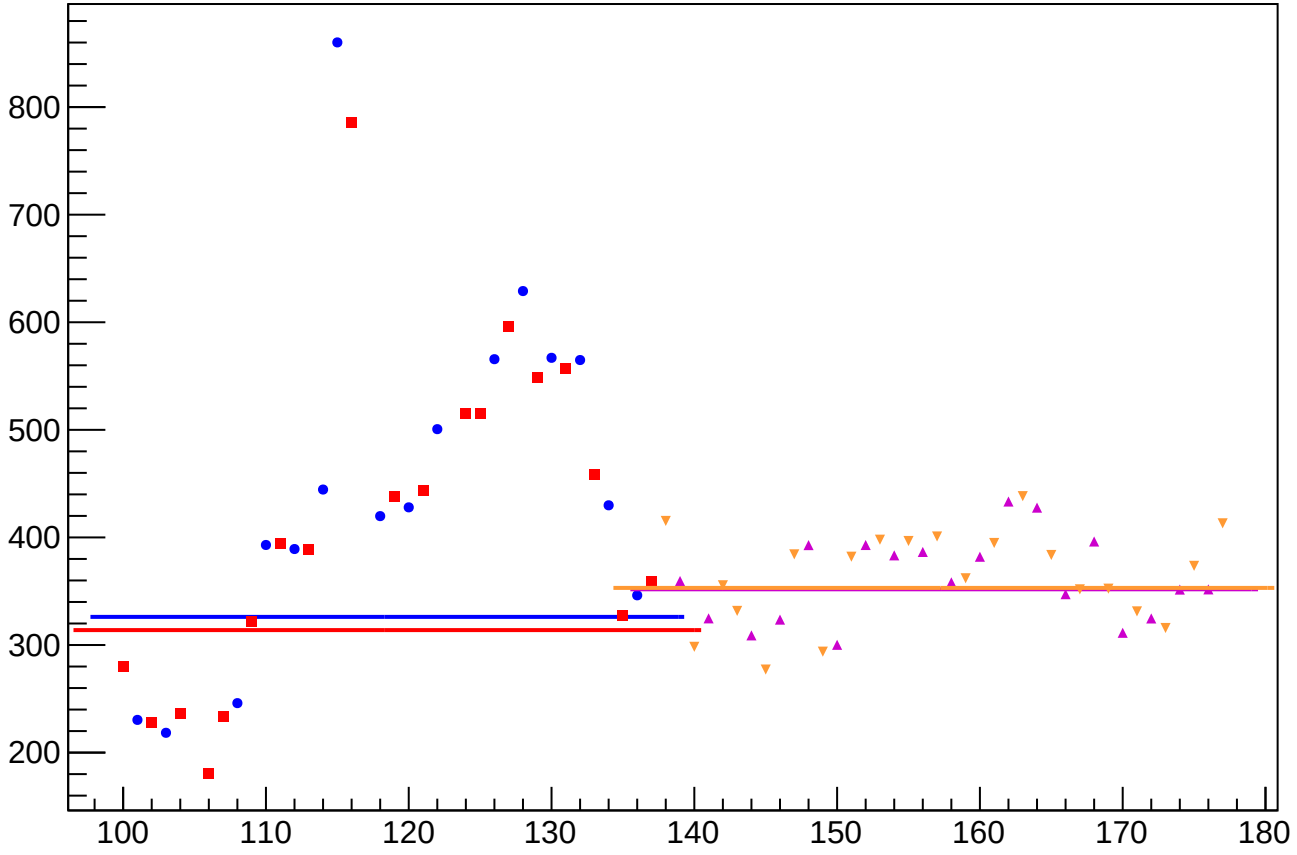
Left In: 64.470+/-90.080 χ^2/NDF:25.1/18

+ sign 220.303+/-72.572 χ^2/NDF: 46.0/36

All: 168.829+/-51.388 χ^2/NDF: 87.2/74

- sign 117.065+/-72.776 χ^2/NDF: 40.2/37

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.085+/-0.062 χ^2/NDF:528751.0/20

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

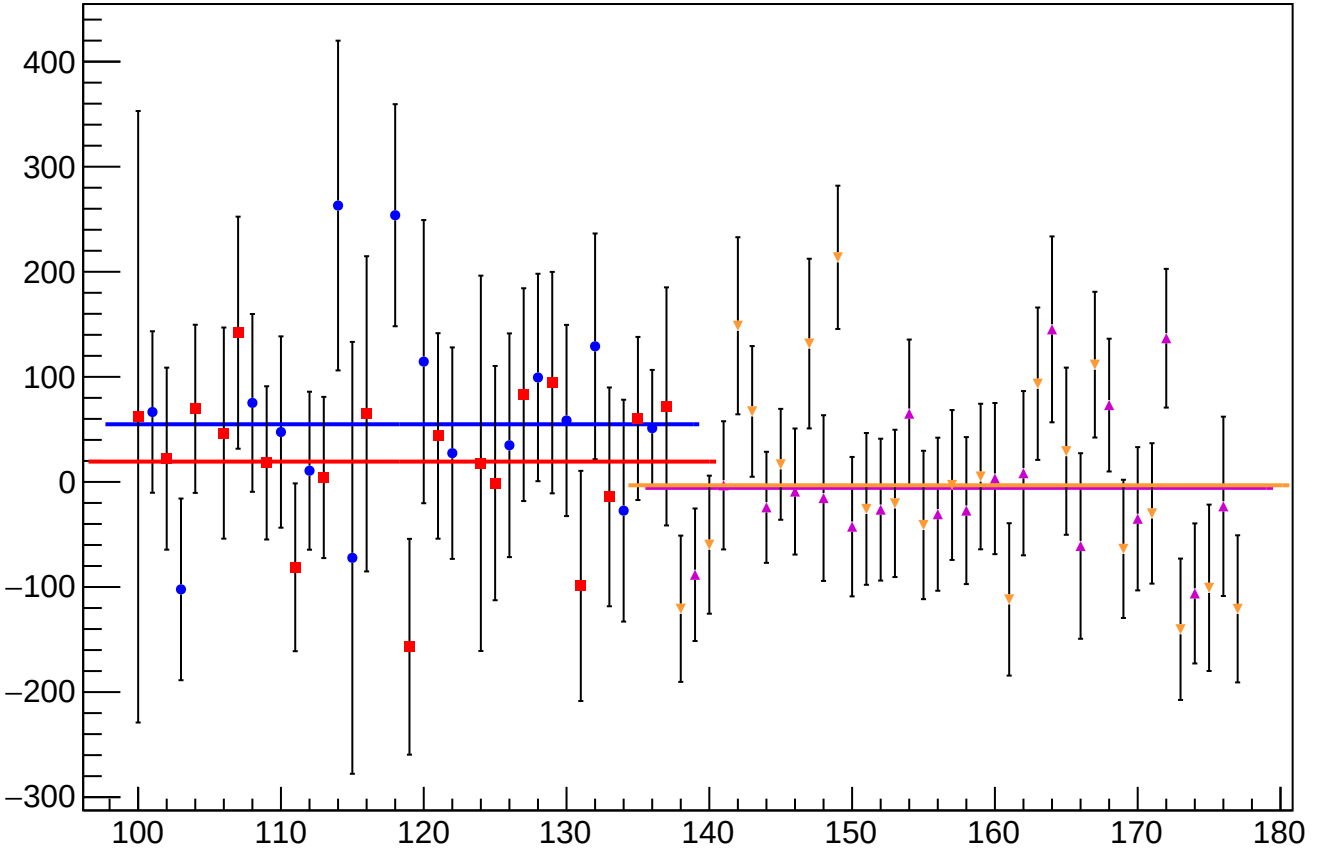
Left In: 351.779+/-0.064 χ^2/NDF:341243.9/18

+ sign 344.649+/-0.051 χ^2/NDF: 2321945.7/36

All: 341.638+/-0.036 χ^2/NDF: 4598945.3/74

- sign 338.610+/-0.051 χ^2/NDF: 2270094.5/37

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -3.185+/-15.159 χ^2/NDF:38.1/20

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

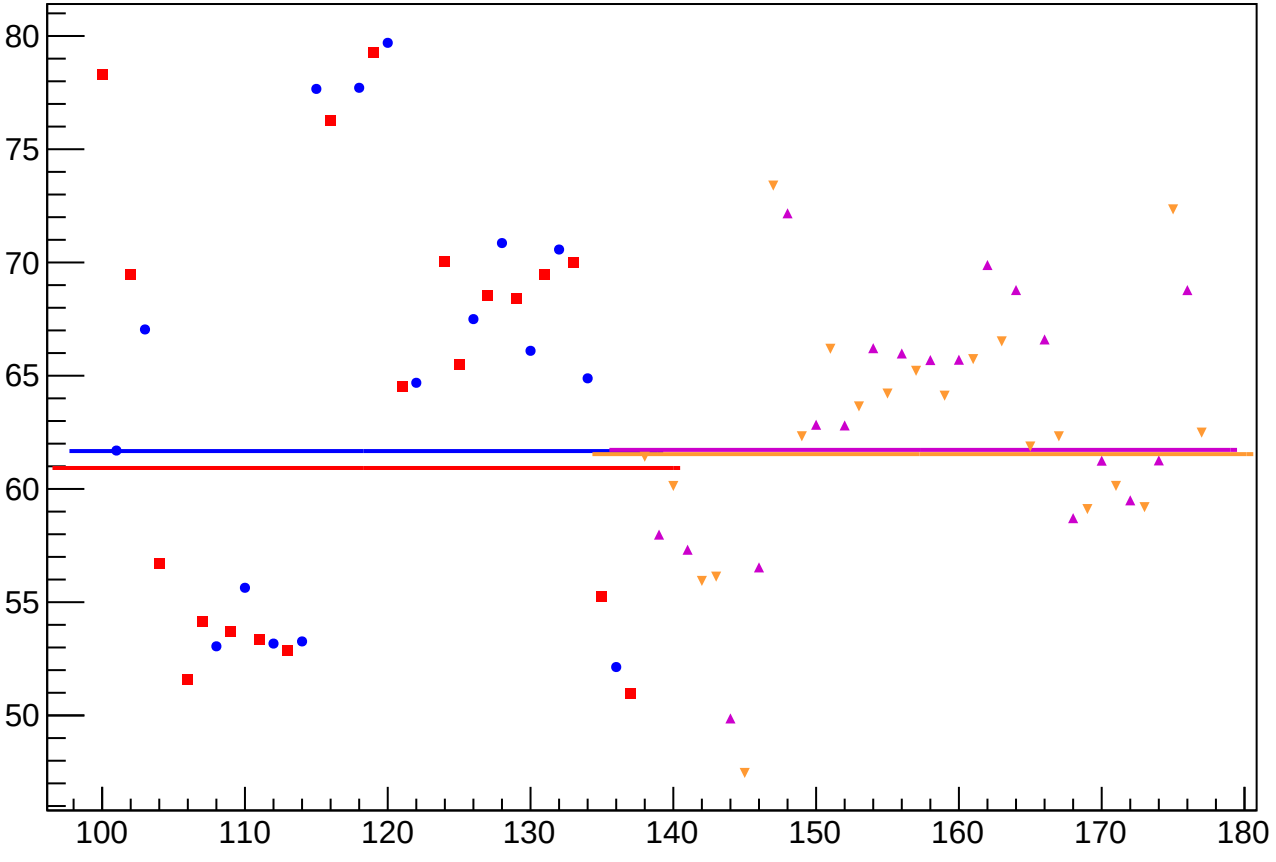
Left In: -5.635+/-15.756 χ^2/NDF:15.5/18

+ sign 14.209+/-12.686 χ^2/NDF: 53.5/36

All: 8.484+/-9.053 χ^2/NDF: 79.4/74

- sign 2.544+/-12.922 χ^2/NDF: 25.5/37

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.538+/-0.011 χ^2/NDF:291727.0/20

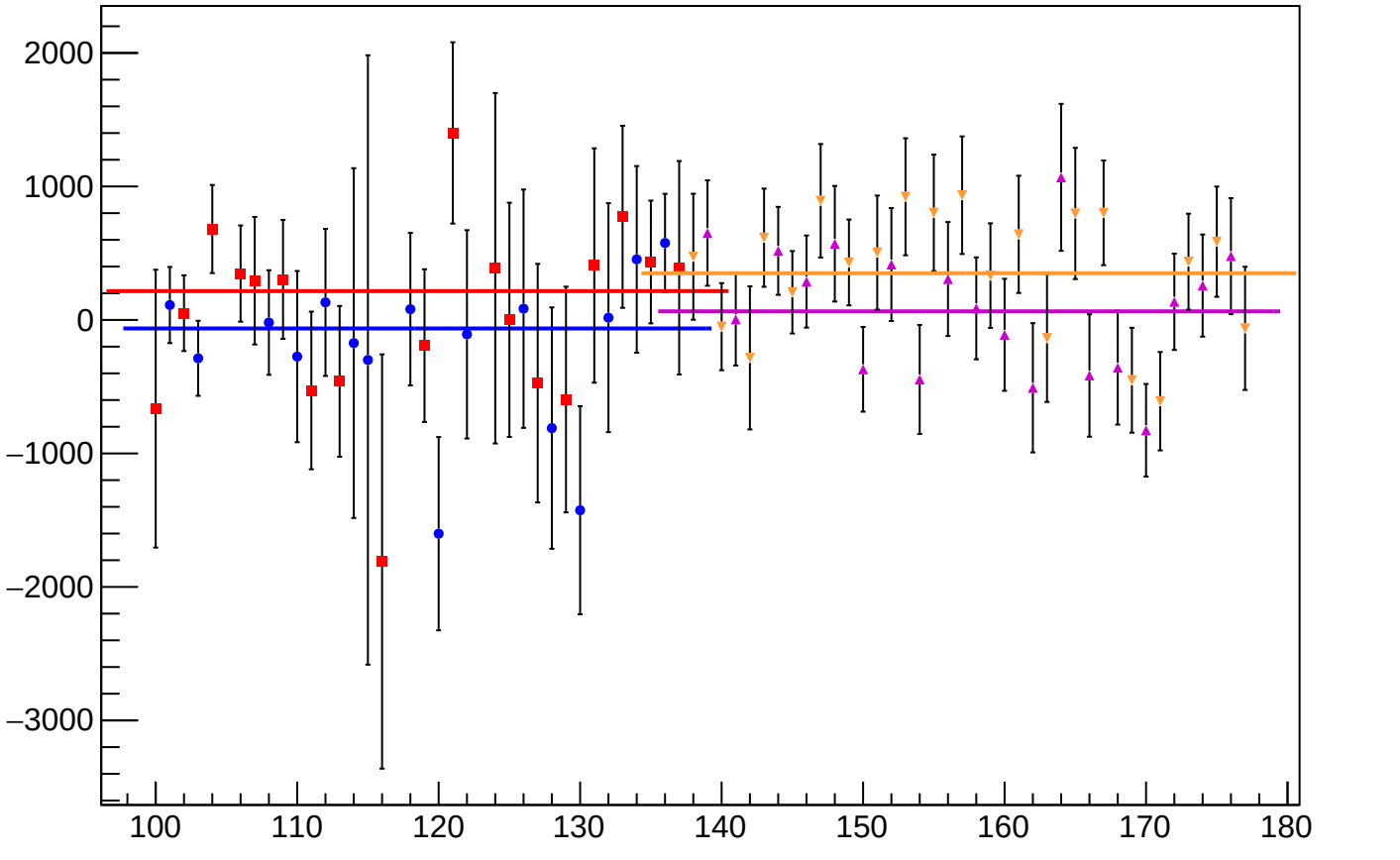
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

\+ sign 61.578+/-0.009 χ^2/NDF: 558883.0/36

All: 61.522+/-0.006 χ^2/NDF: 1106392.5/74

\- sign 61.464+/-0.009 χ^2/NDF: 547429.6/37



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 349.872+/-87.570 χ^2/NDF:25.8/20

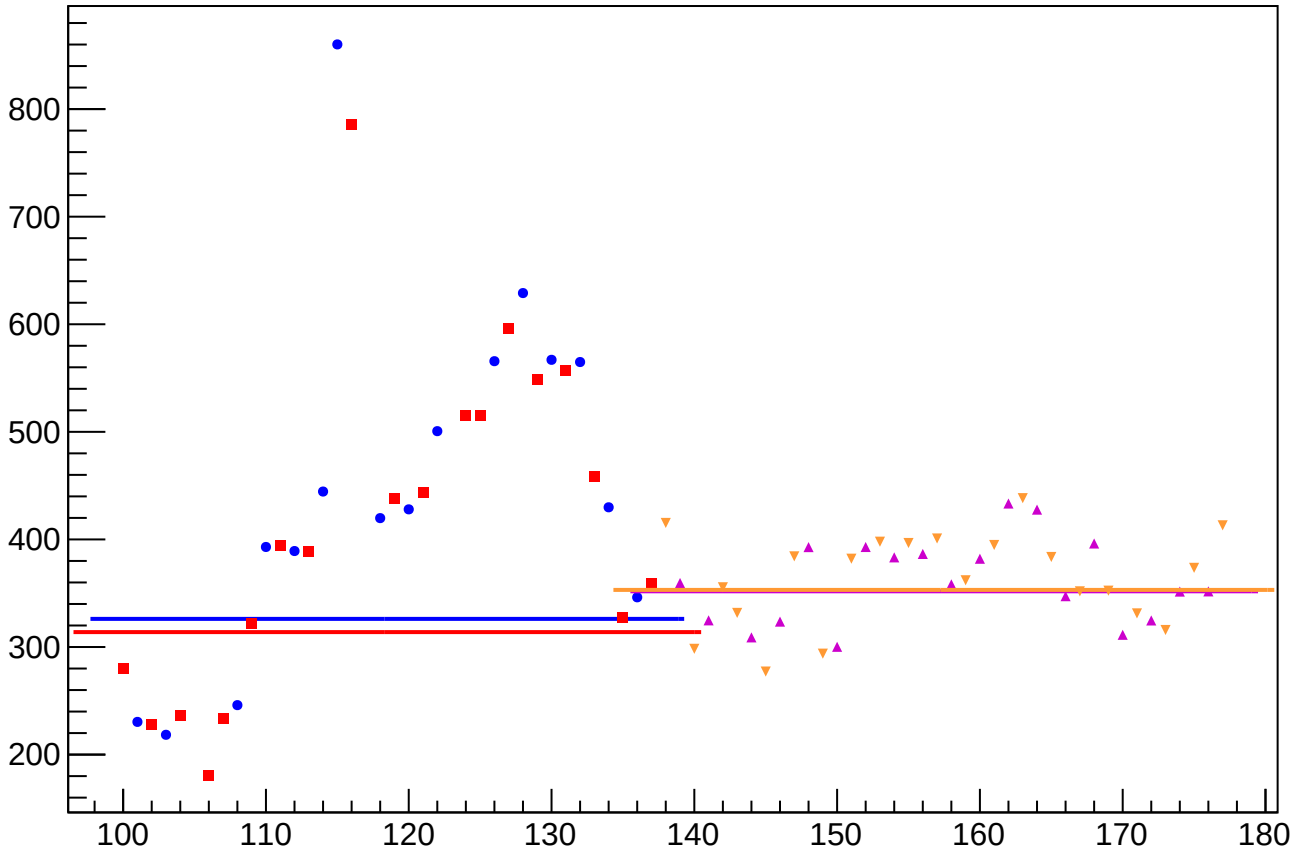
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 64.470+/-90.080 χ^2/NDF:25.1/18

+ sign 220.303+/-72.572 χ^2/NDF: 46.0/36

All: 168.829+/-51.388 χ^2/NDF: 87.2/74

- sign 117.065+/-72.776 χ^2/NDF: 40.2/37



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.085+/-0.062 χ^2/NDF:528751.0/20

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

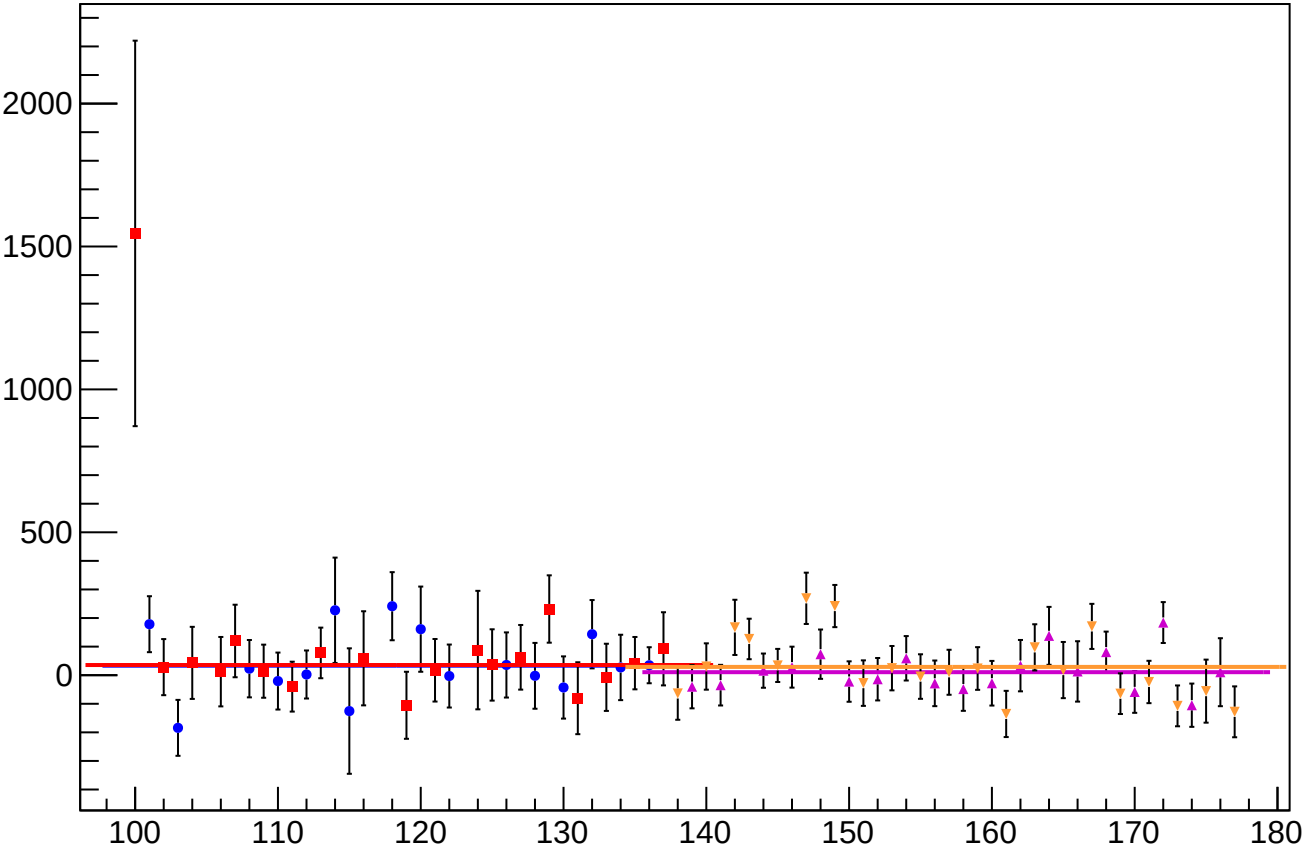
Left In: 351.779+/-0.064 χ^2/NDF:341243.9/18

+ sign 344.649+/-0.051 χ^2/NDF: 2321945.7/36

All: 341.638+/-0.036 χ^2/NDF: 4598945.3/74

- sign 338.610+/-0.051 χ^2/NDF: 2270094.5/37

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 29.010+/-17.237 χ^2/NDF:38.9/20

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

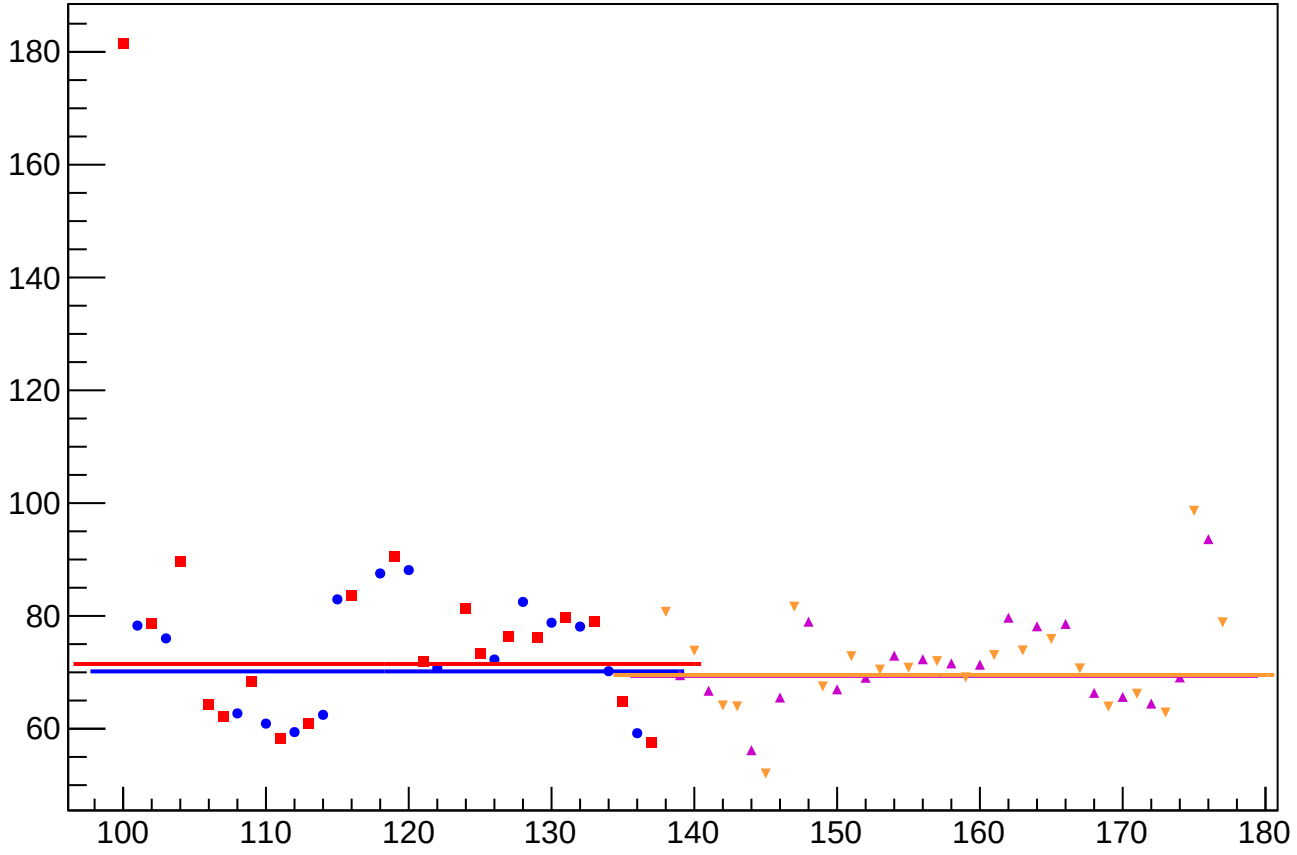
Left In: 10.545+/-17.811 χ^2/NDF:15.0/18

+ sign 30.321+/-14.435 χ^2/NDF: 53.5/36

All: 24.465+/-10.330 χ^2/NDF: 81.5/74

- sign 18.319+/-14.789 χ^2/NDF: 27.7/37

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.532+/-0.012 χ^2/NDF:493547.9/20

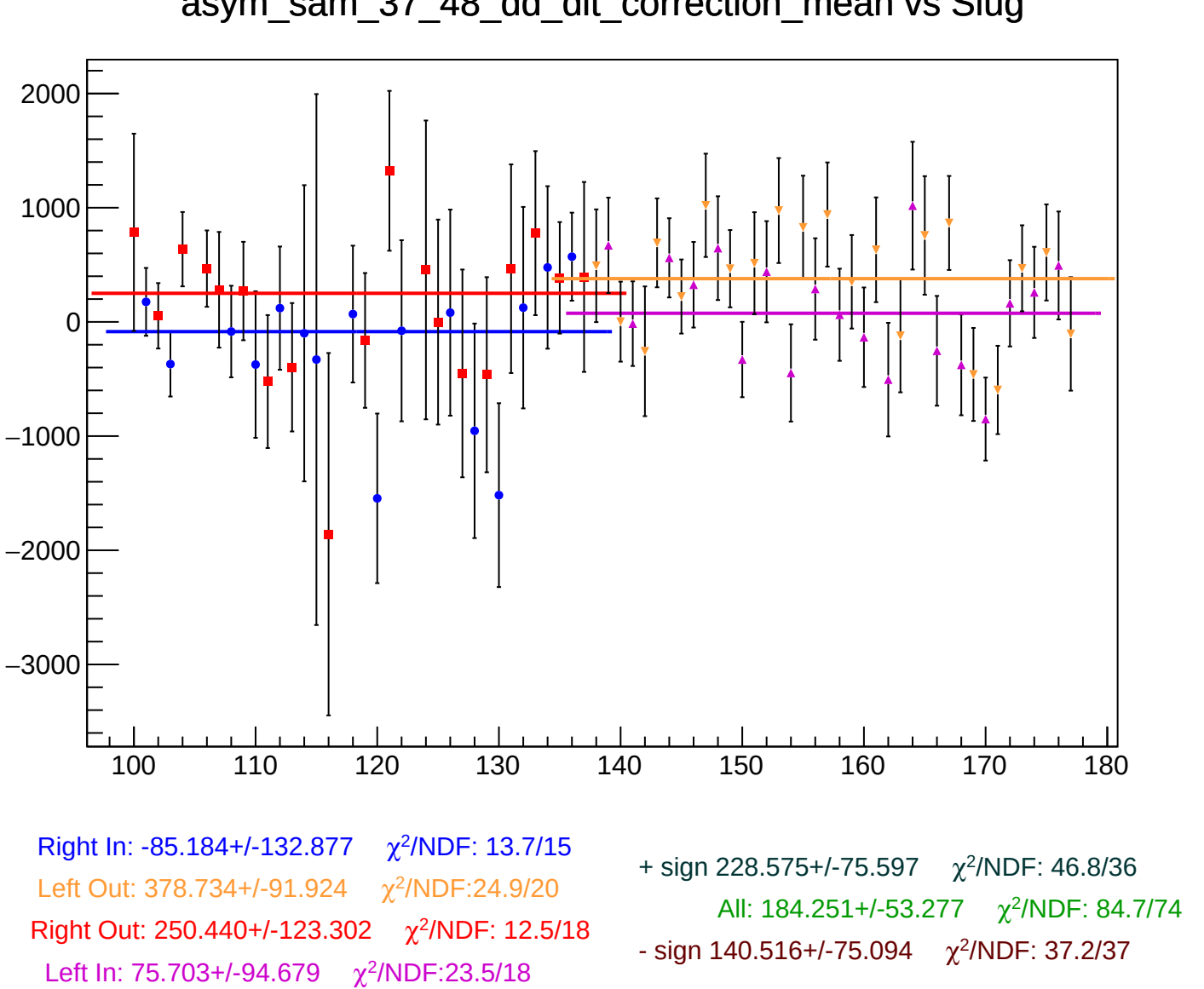
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.369+/-0.013 χ^2/NDF:300260.1/18

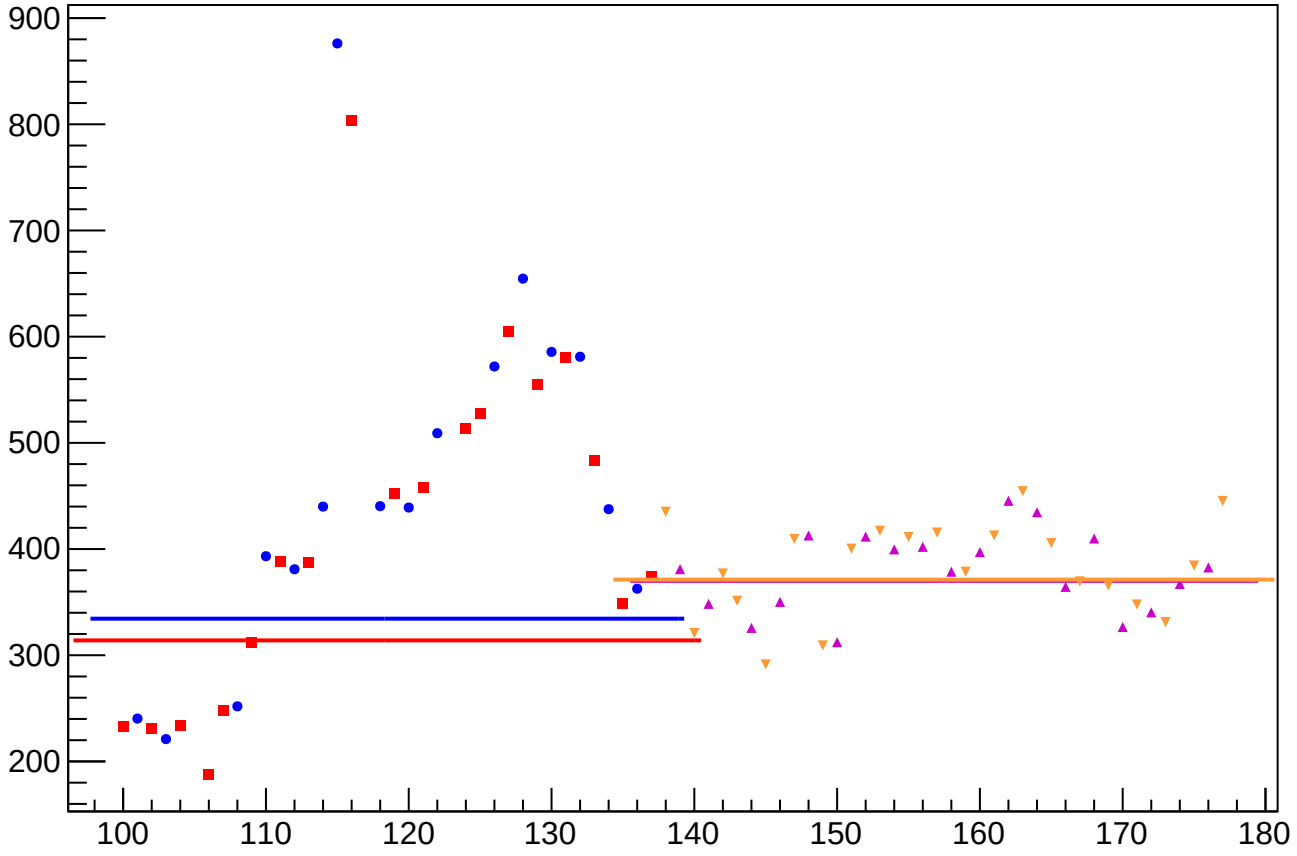
+ sign 69.722+/-0.010 χ^2/NDF: 763609.5/36

All: 69.870+/-0.007 χ^2/NDF: 1398766.6/74

- sign 70.026+/-0.010 χ^2/NDF: 634723.9/37


asym_sam_37_48_dd_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: -85.184+/-132.877 χ²/NDF: 13.7/15
Left Out: 378.734+/-91.924 χ²/NDF:24.9/20
Right Out: 250.440+/-123.302 χ²/NDF: 12.5/18
Left In: 75.703+/-94.679 χ²/NDF:23.5/18
+ sign 228.575+/-75.597 χ²/NDF: 46.8/36
All: 184.251+/-53.277 χ²/NDF: 84.7/74
- sign 140.516+/-75.094 χ²/NDF: 37.2/37

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 371.218+/-0.065 χ^2/NDF:504935.6/20

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

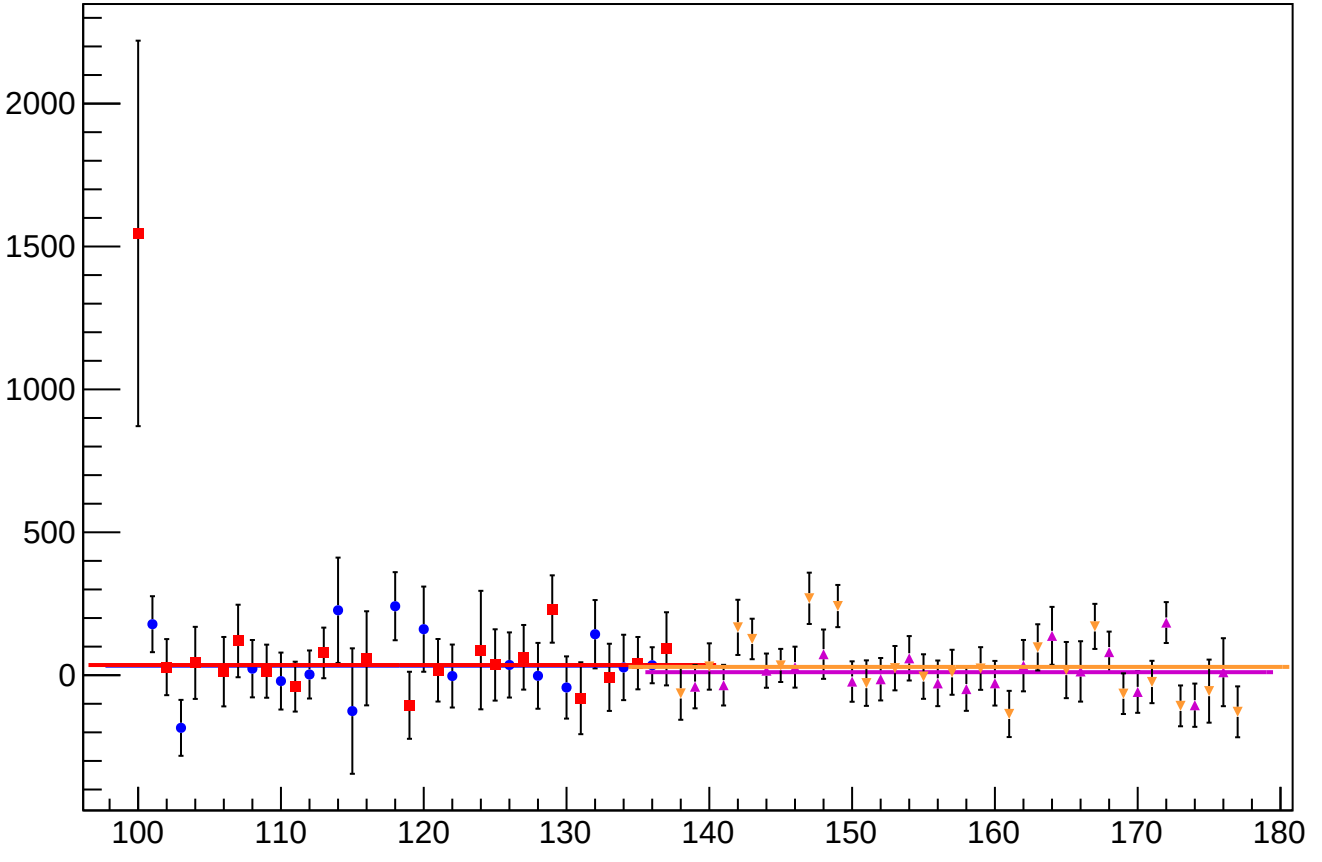
Left In: 370.071+/-0.067 χ^2/NDF:303395.2/18

+ sign 359.311+/-0.053 χ^2/NDF: 2339221.2/36

All: 354.253+/-0.038 χ^2/NDF: 4825459.5/74

- sign 349.263+/-0.053 χ^2/NDF: 2468453.9/37

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 29.010+/-17.237 χ^2/NDF:38.9/20

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

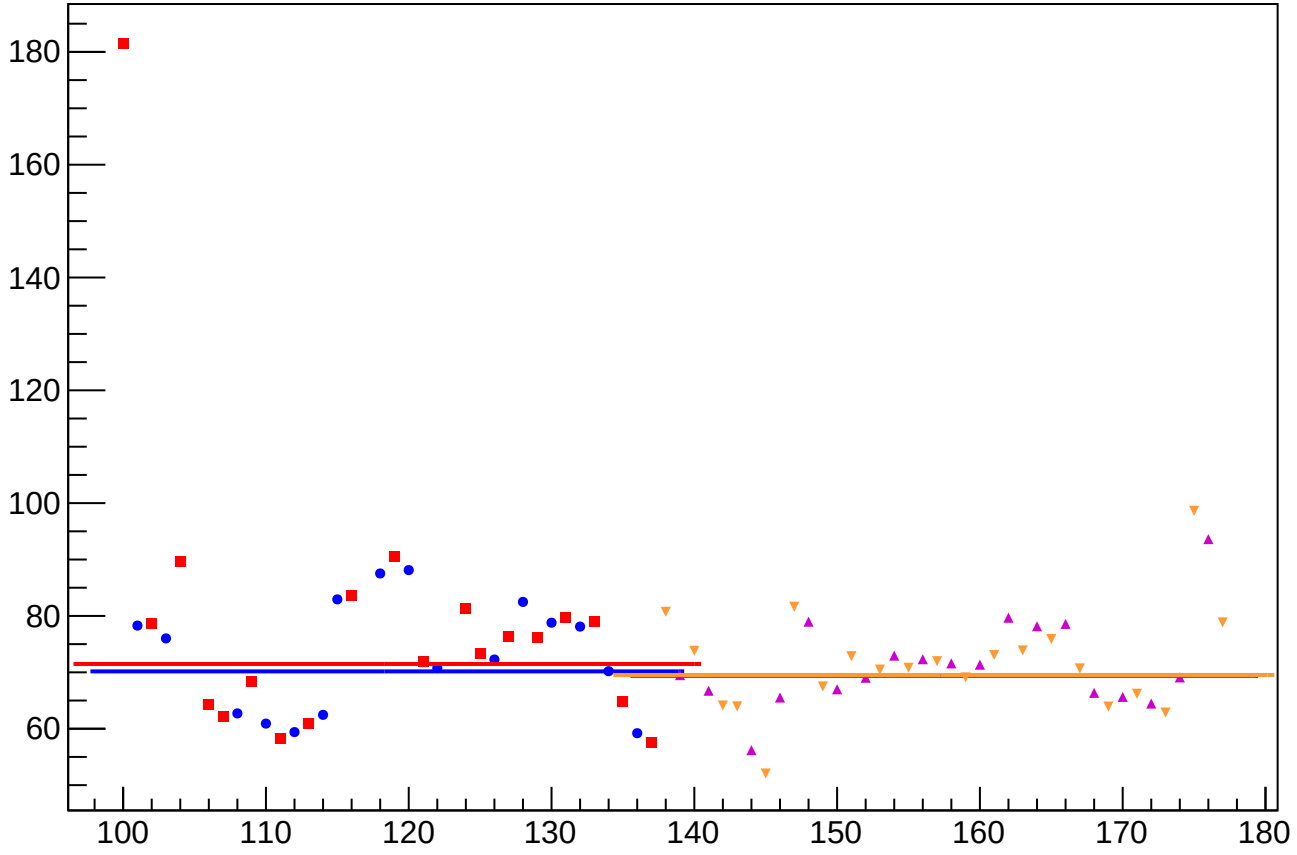
Left In: 10.544+/-17.811 χ^2/NDF:15.0/18

+ sign 30.320+/-14.435 χ^2/NDF: 53.5/36

All: 24.465+/-10.330 χ^2/NDF: 81.5/74

- sign 18.319+/-14.789 χ^2/NDF: 27.7/37

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.532+/-0.012 χ^2/NDF:493551.5/20

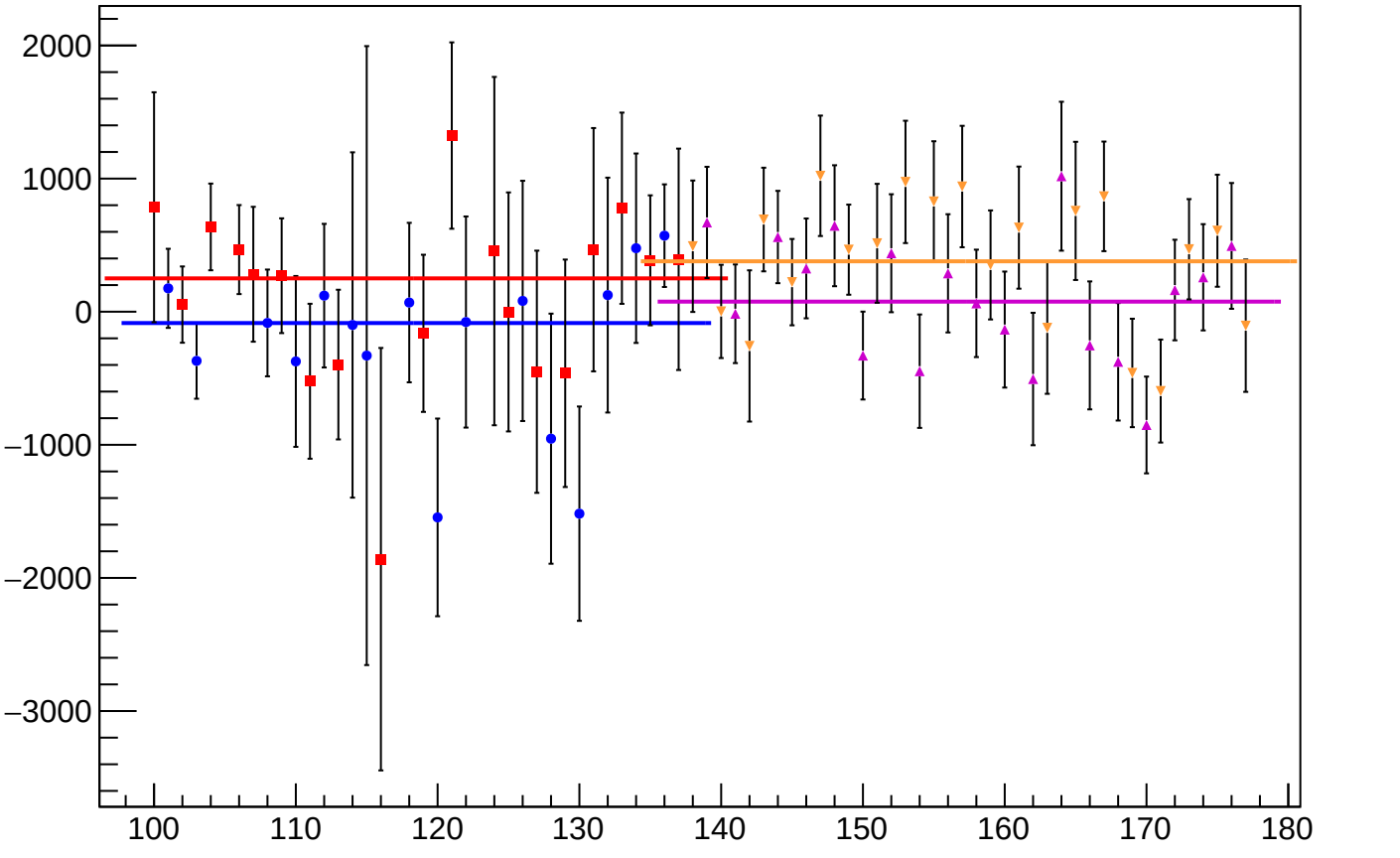
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.369+/-0.013 χ^2/NDF:300259.4/18

+ sign 69.722+/-0.010 χ^2/NDF: 763616.6/36

All: 69.870+/-0.007 χ^2/NDF: 1398780.5/74

- sign 70.026+/-0.010 χ^2/NDF: 634730.7/37



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 378.733+/-91.924 χ^2/NDF:24.9/20

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

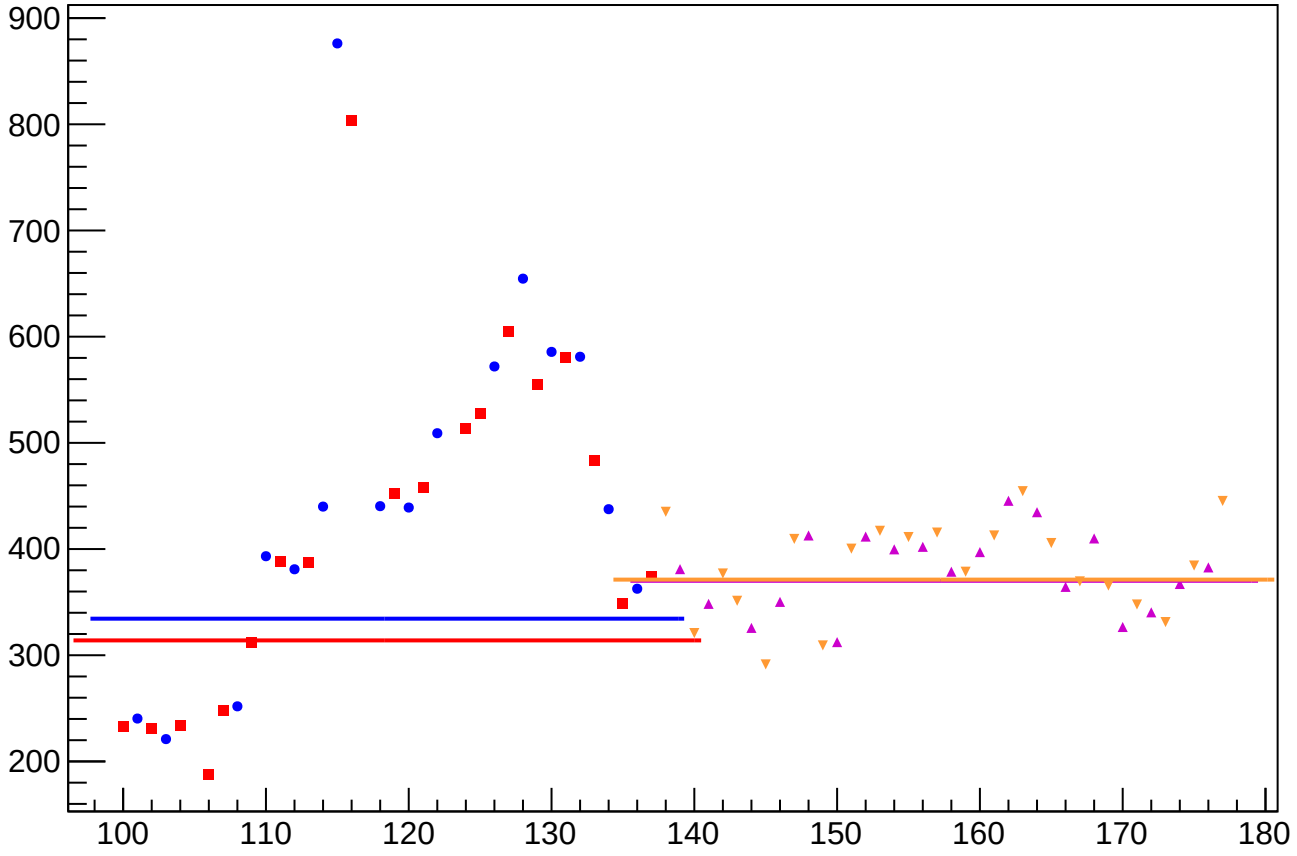
Left In: 75.702+/-94.679 χ^2/NDF:23.5/18

+ sign 228.574+/-75.597 χ^2/NDF: 46.8/36

All: 184.251+/-53.277 χ^2/NDF: 84.7/74

- sign 140.515+/-75.094 χ^2/NDF: 37.2/37

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 371.218+/-0.065 χ^2/NDF:504938.2/20

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

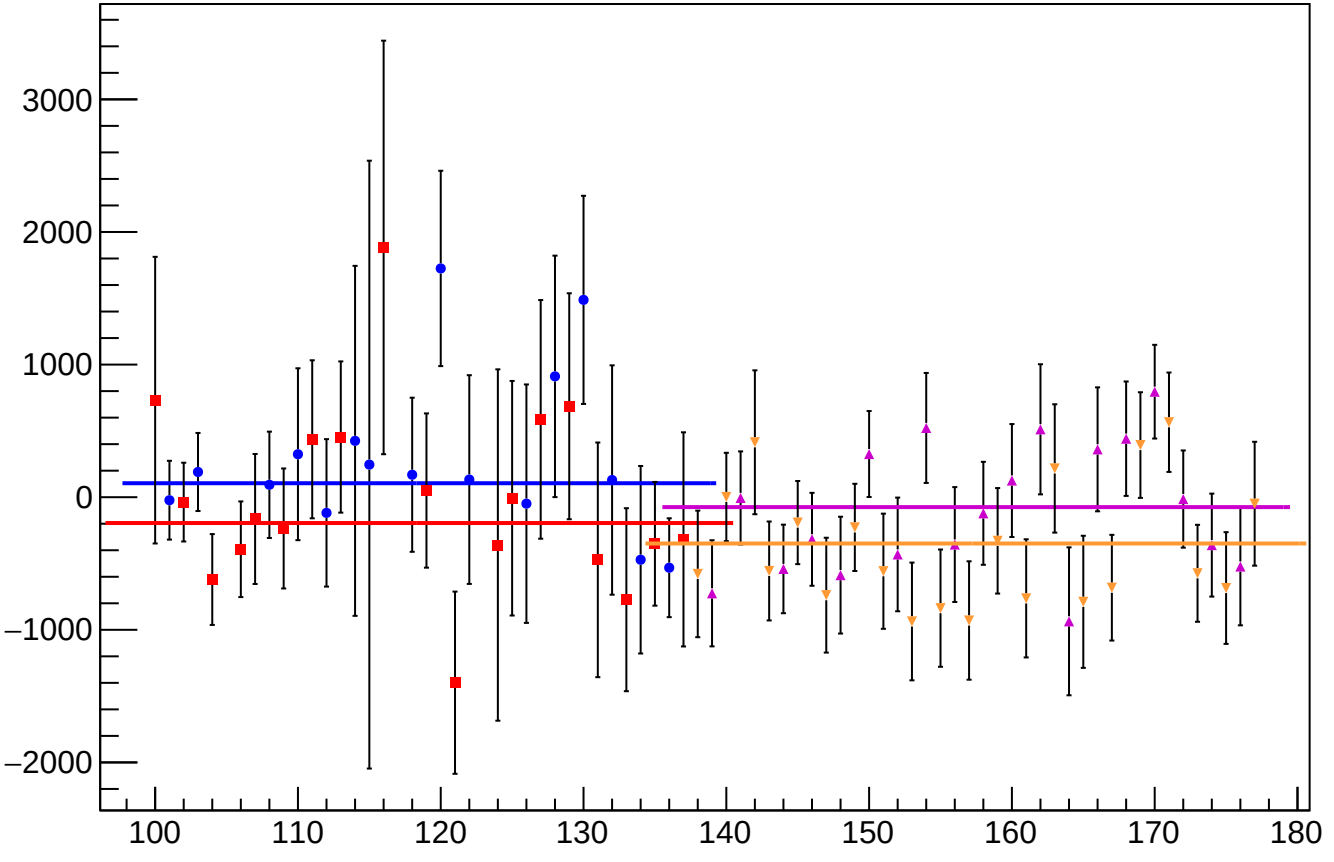
Left In: 370.071+/-0.067 χ^2/NDF:303395.3/18

+ sign 359.311+/-0.053 χ^2/NDF: 2339220.1/36

All: 354.253+/-0.038 χ^2/NDF: 4825455.1/74

- sign 349.263+/-0.053 χ^2/NDF: 2468450.5/37

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -349.139+/-88.961 χ^2/NDF:24.3/20

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

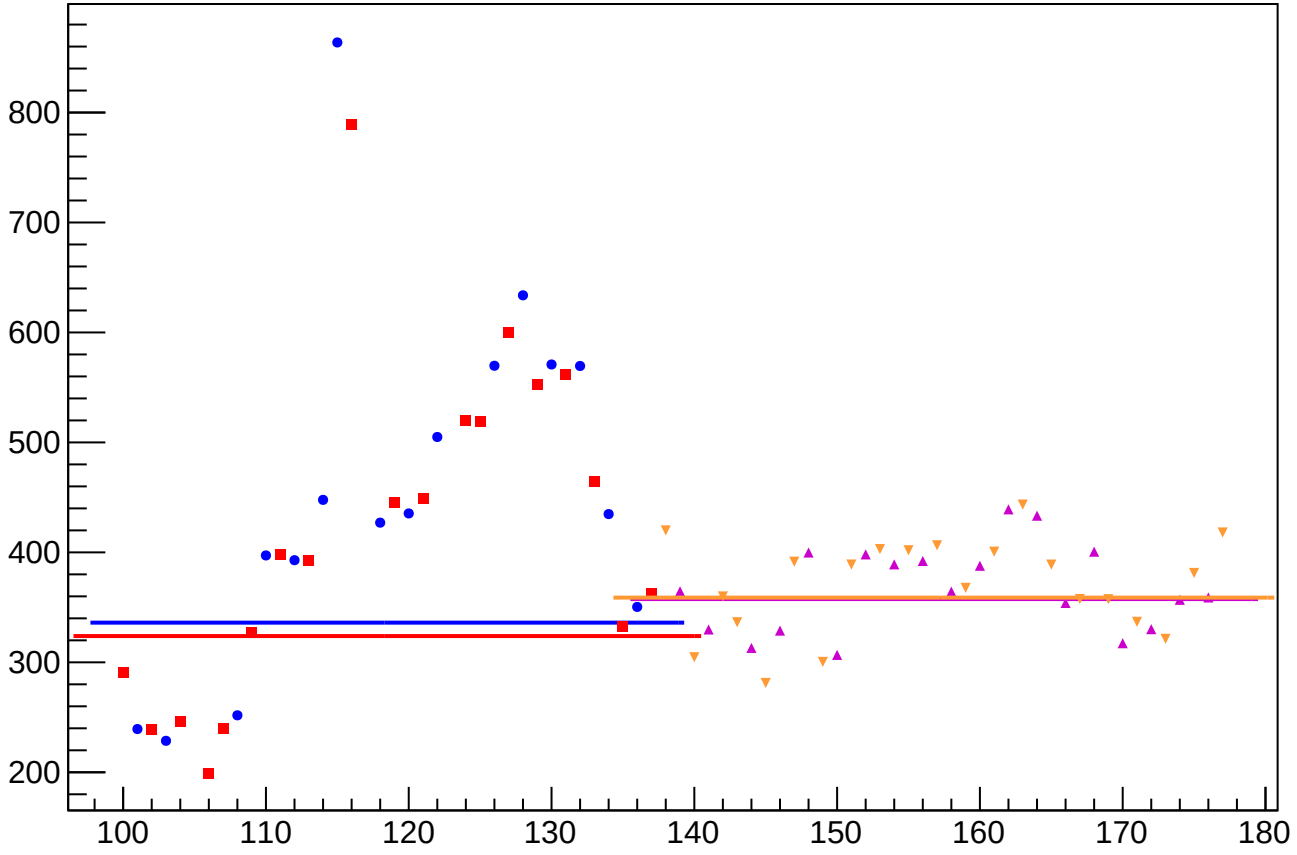
Left In: -74.696+/-91.524 χ^2/NDF:25.2/18

+ sign -208.708+/-73.952 χ^2/NDF: 45.3/36

All: -162.472+/-52.341 χ^2/NDF: 85.0/74

- sign -116.064+/-74.091 χ^2/NDF: 38.9/37

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 358.858+/-0.063 χ^2/NDF:514171.1/20

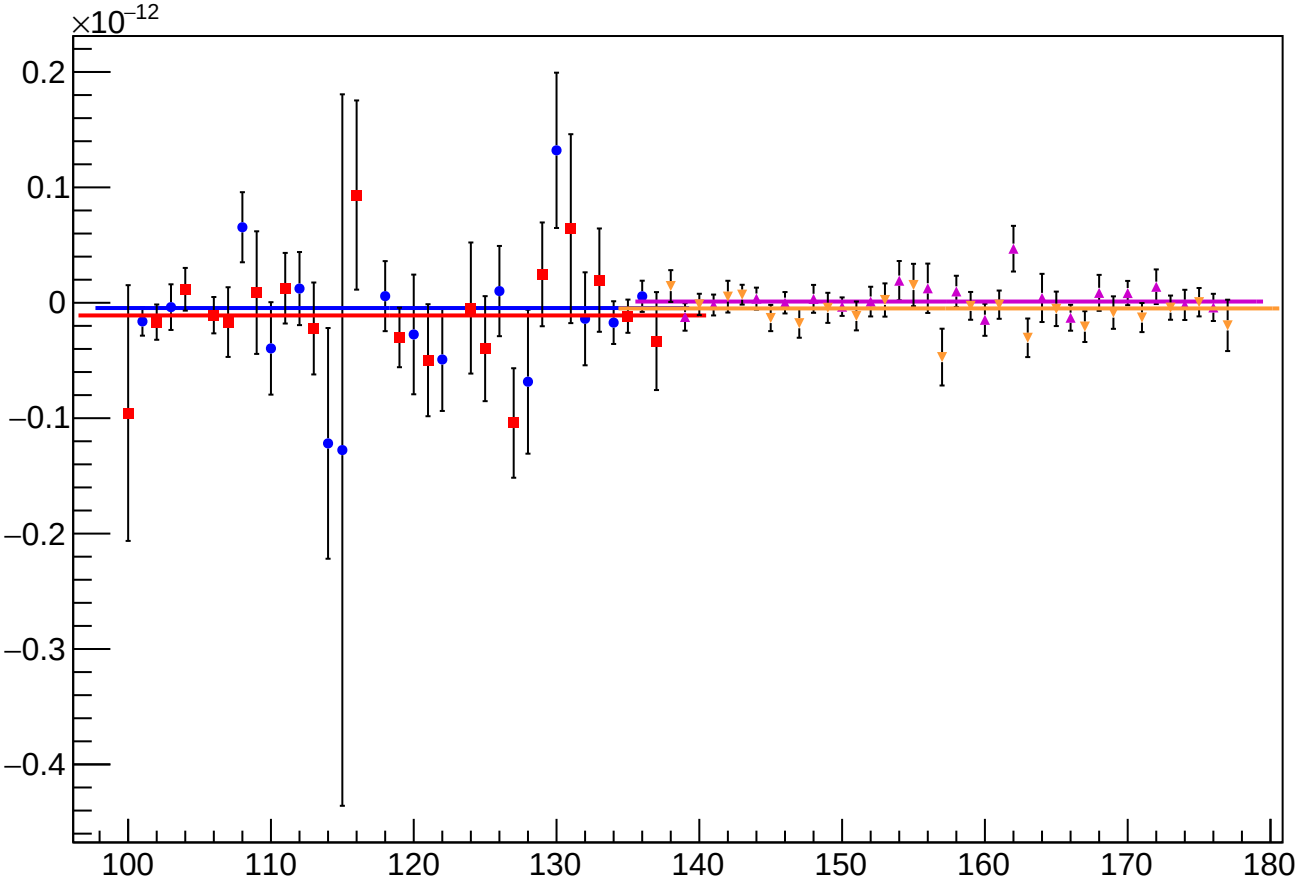
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 357.525+/-0.065 χ^2/NDF:331777.8/18

+ sign 351.824+/-0.052 χ^2/NDF: 2173635.2/36

All: 348.883+/-0.037 χ^2/NDF: 4270303.4/74

- sign 345.930+/-0.052 χ^2/NDF: 2090328.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

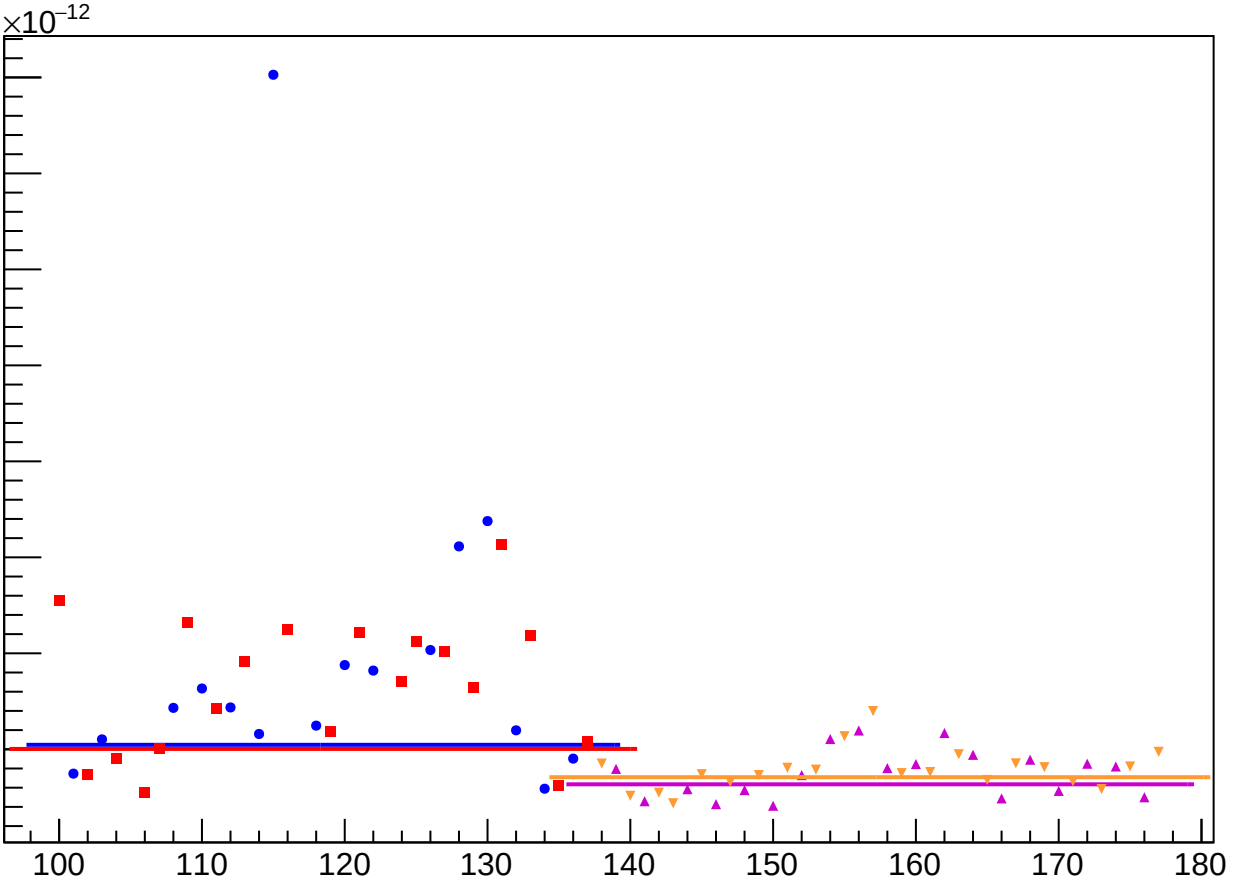
Left In: 0.000+/-0.000 χ^2/NDF:13.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/36

All: -0.000+/-0.000 χ^2/NDF: 62.4/74

- sign -0.000+/-0.000 χ^2/NDF: 28.9/37

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:782526.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

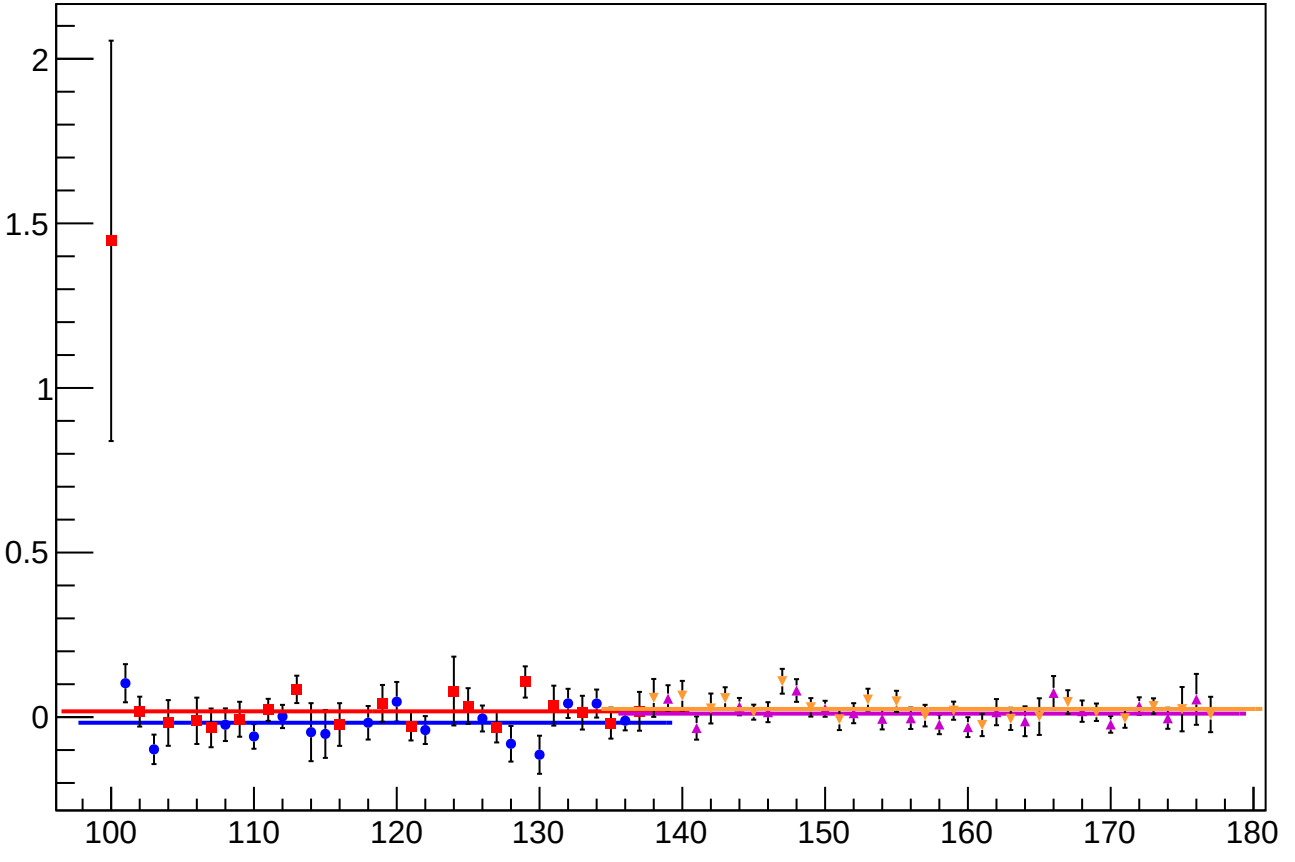
Left In: 0.000+/-0.000 χ^2/NDF:1150071.6/18

+ sign 0.000+/-0.000 χ^2/NDF: 2427429.2/36

All: 0.000+/-0.000 χ^2/NDF: 5624046.6/74

- sign 0.000+/-0.000 χ^2/NDF: 3122567.9/37

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:14.6/20

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

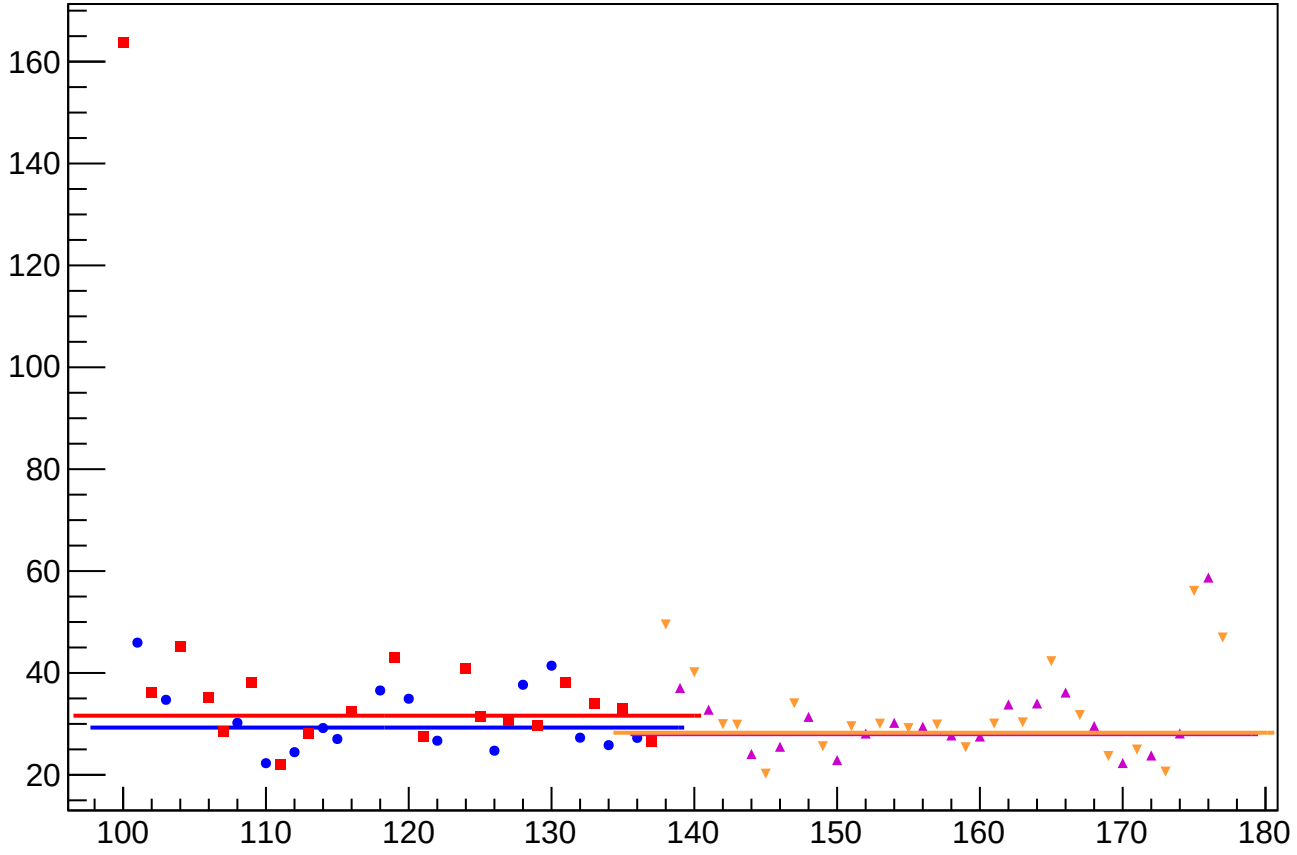
Left In: 0.011+/-0.007 χ^2/NDF:16.2/18

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/36

All: 0.013+/-0.004 χ^2/NDF: 76.4/74

- sign 0.013+/-0.006 χ^2/NDF: 33.3/37

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: 28.270+/-0.005 χ^2/NDF:1807234.8/20

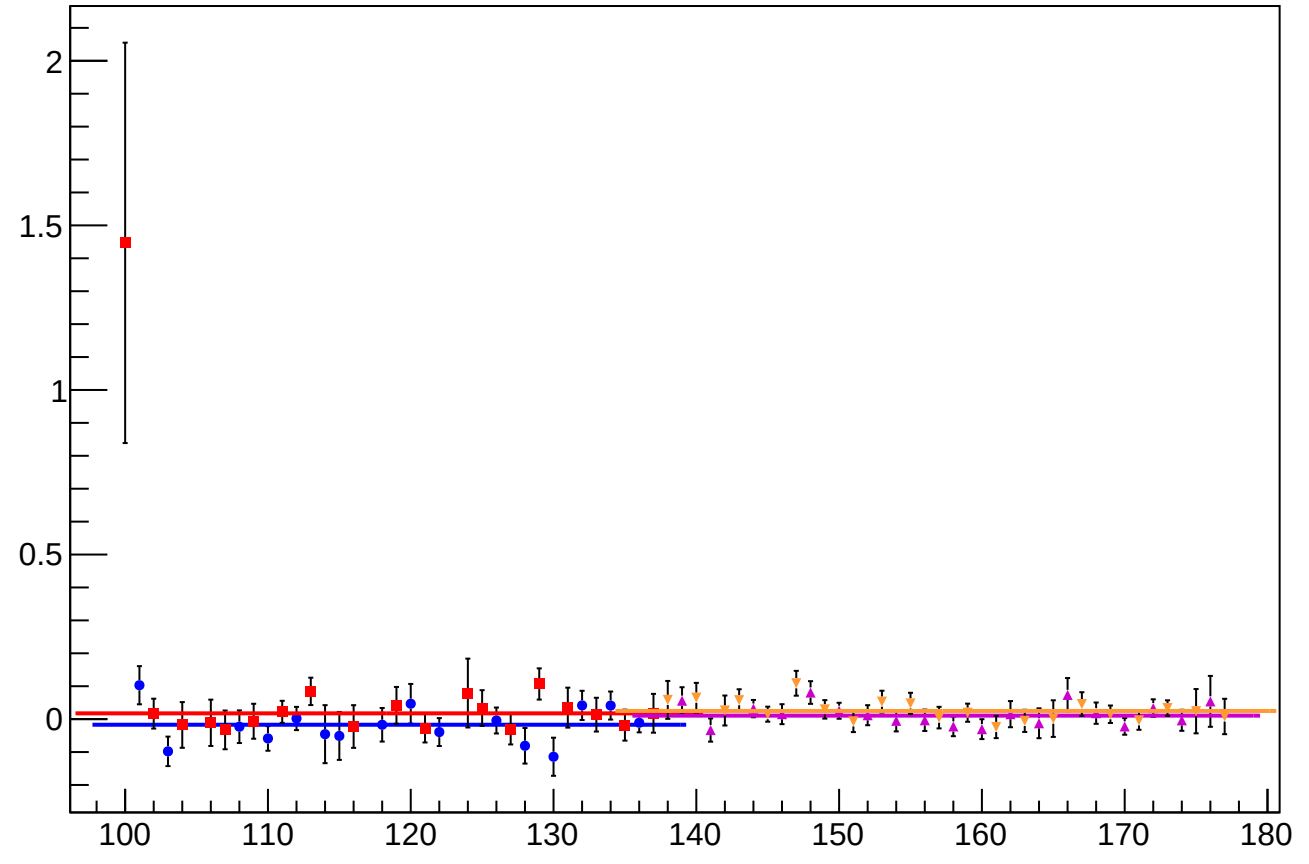
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.979+/-0.005 χ^2/NDF:914105.3/18

+ sign 28.563+/-0.004 χ^2/NDF: 2379102.3/36

All: 28.759+/-0.003 χ^2/NDF: 4000994.7/74

- sign 28.968+/-0.004 χ^2/NDF: 1617641.5/37



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

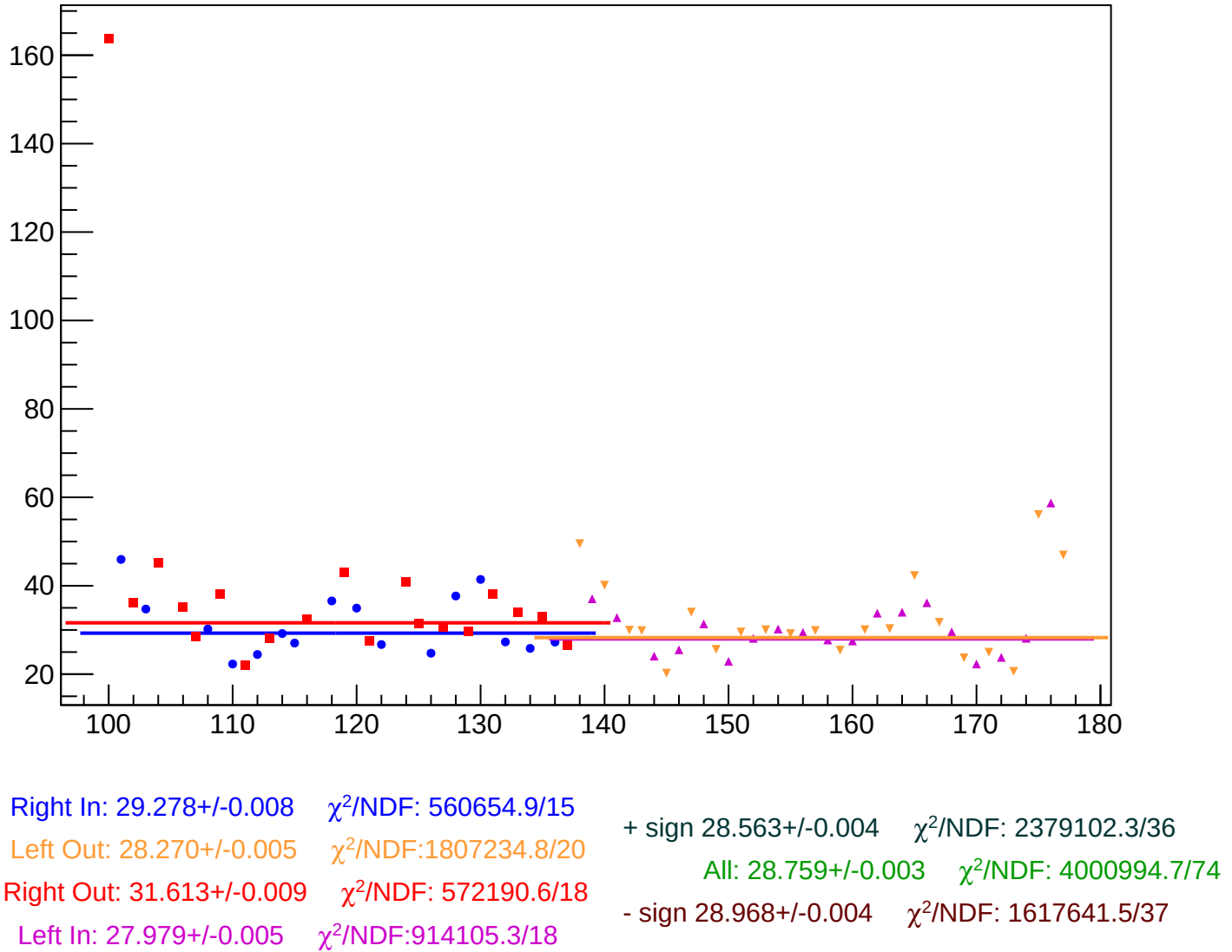
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:16.2/18

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/36

All: 0.013+/-0.004 χ^2/NDF: 76.4/74

- sign 0.013+/-0.006 χ^2/NDF: 33.3/37



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.270+/-0.005 χ^2/NDF:1807234.8/20

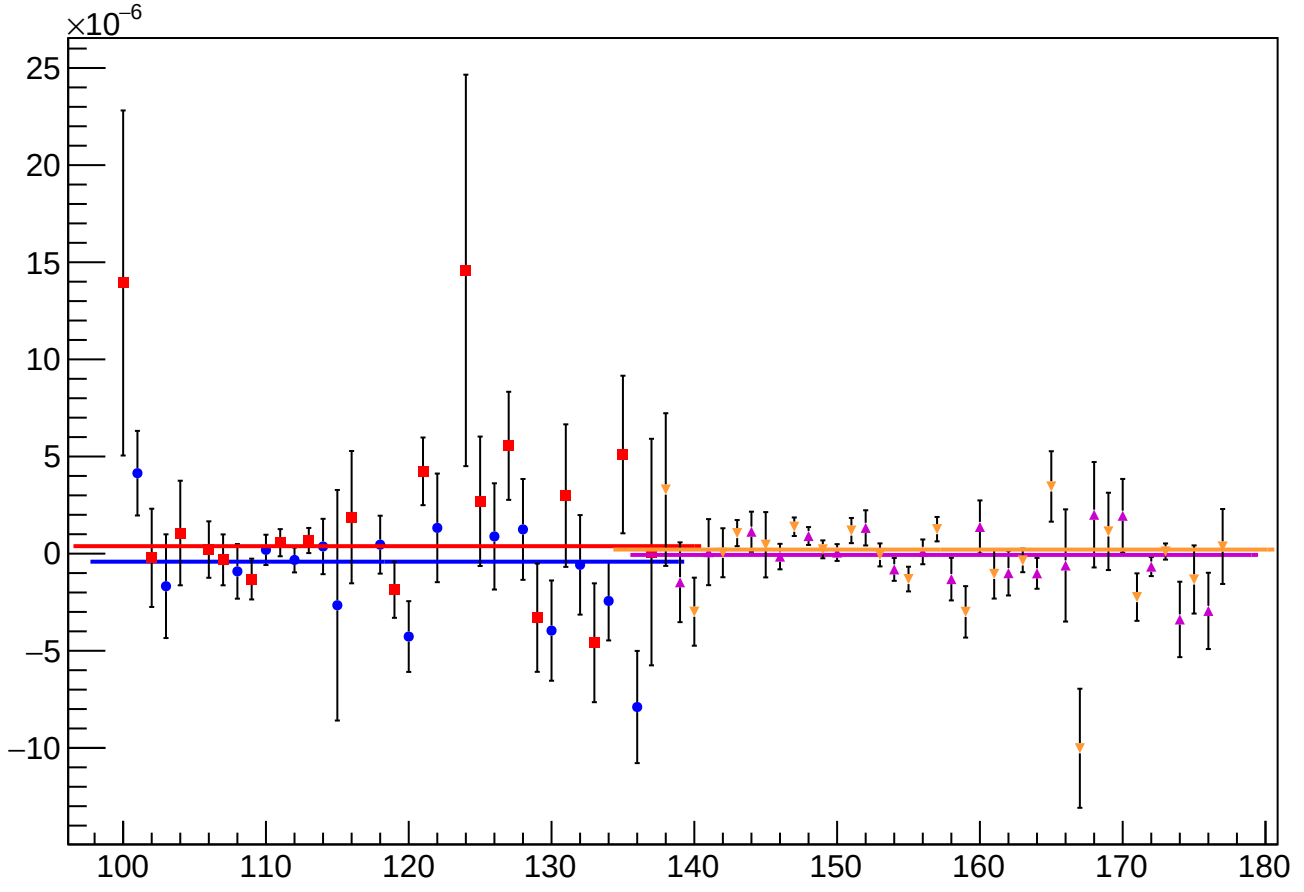
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.979+/-0.005 χ^2/NDF:914105.3/18

+ sign 28.563+/-0.004 χ^2/NDF: 2379102.3/36

All: 28.759+/-0.003 χ^2/NDF: 4000994.7/74

- sign 28.968+/-0.004 χ^2/NDF: 1617641.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.8/20

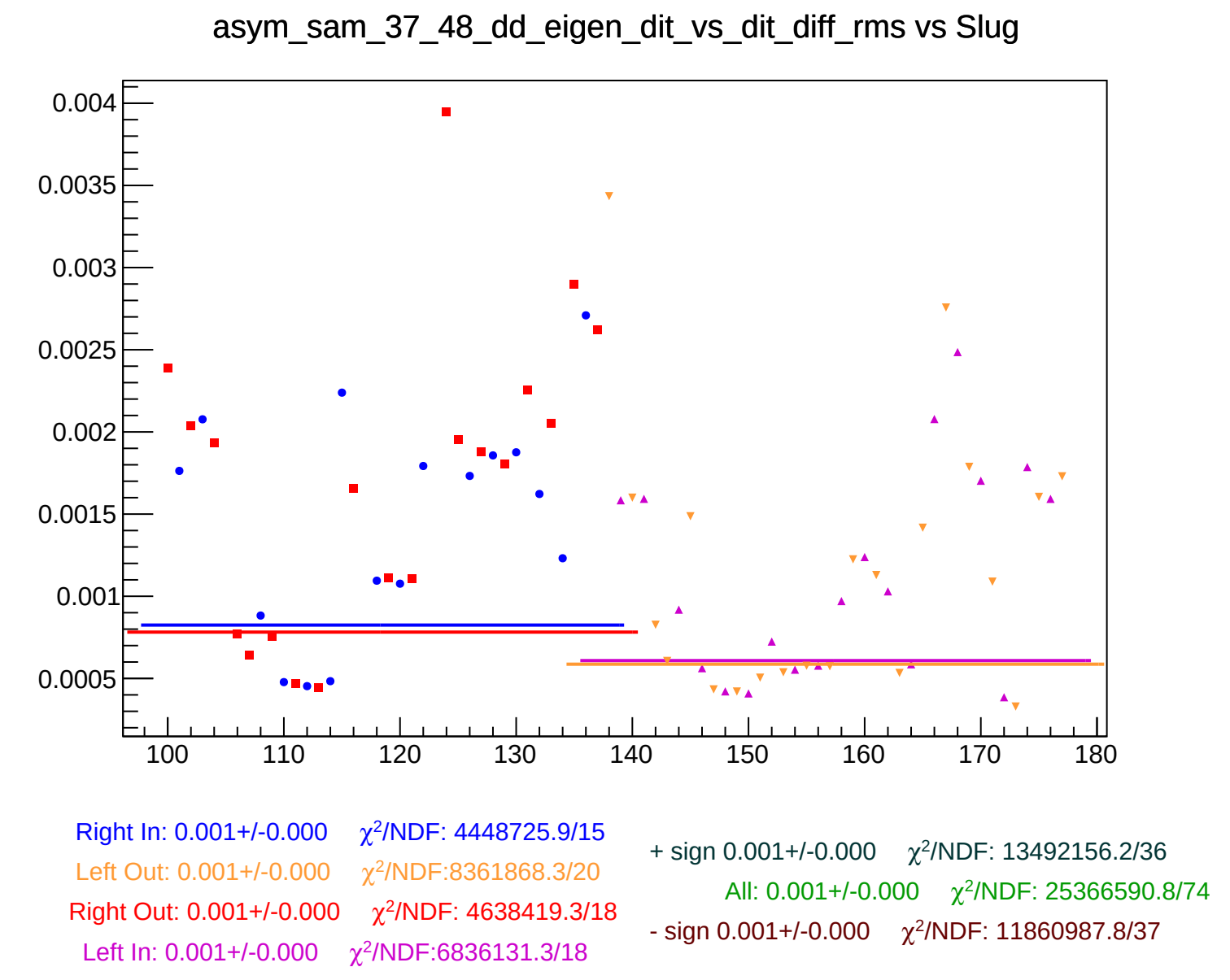
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:23.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 73.4/36

All: 0.000+/-0.000 χ^2/NDF: 123.3/74

- sign 0.000+/-0.000 χ^2/NDF: 49.8/37


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
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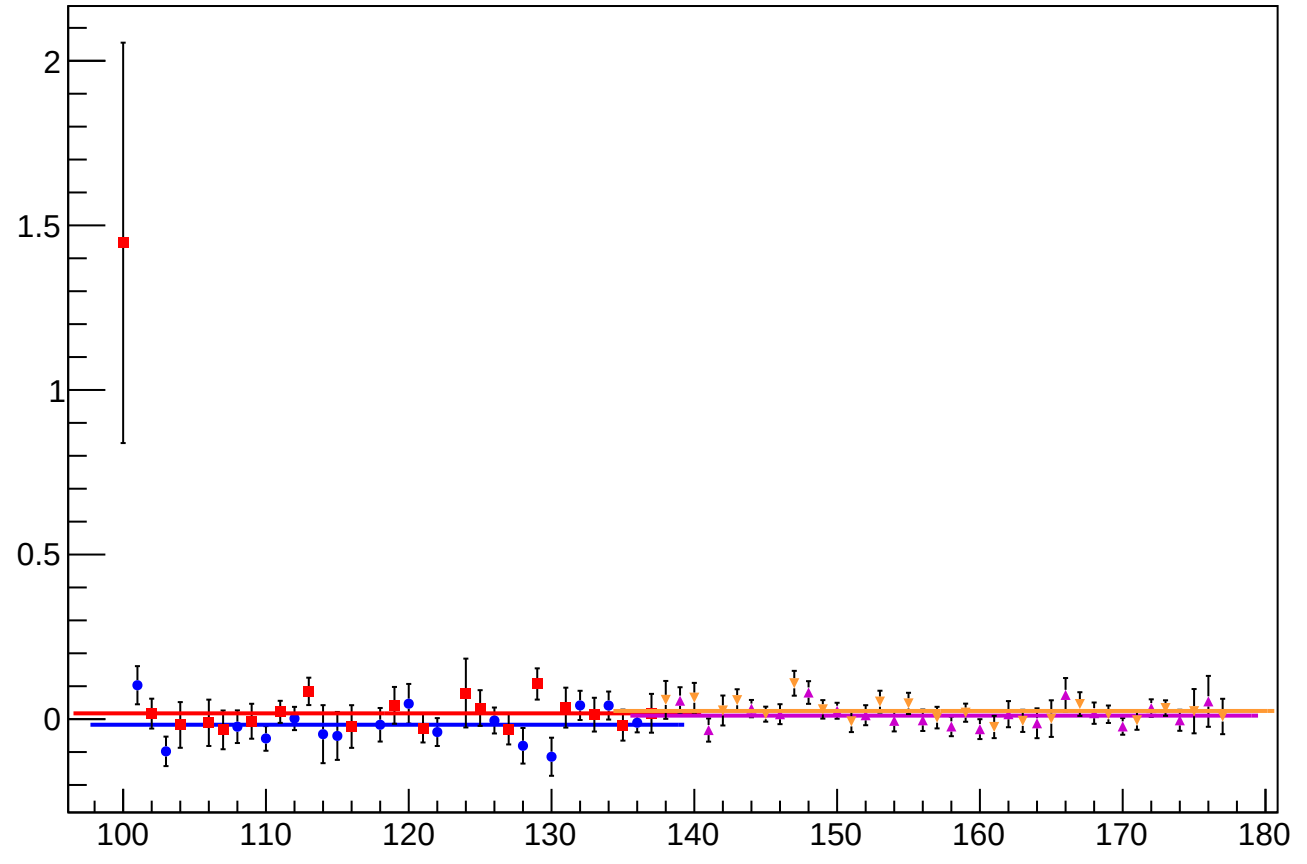
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:8361868.3/20
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:6836131.3/18
+ sign 0.001+/-0.000 χ²/NDF: 13492156.2/36
All: 0.001+/-0.000 χ²/NDF: 25366590.8/74
- sign 0.001+/-0.000 χ²/NDF: 11860987.8/37



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

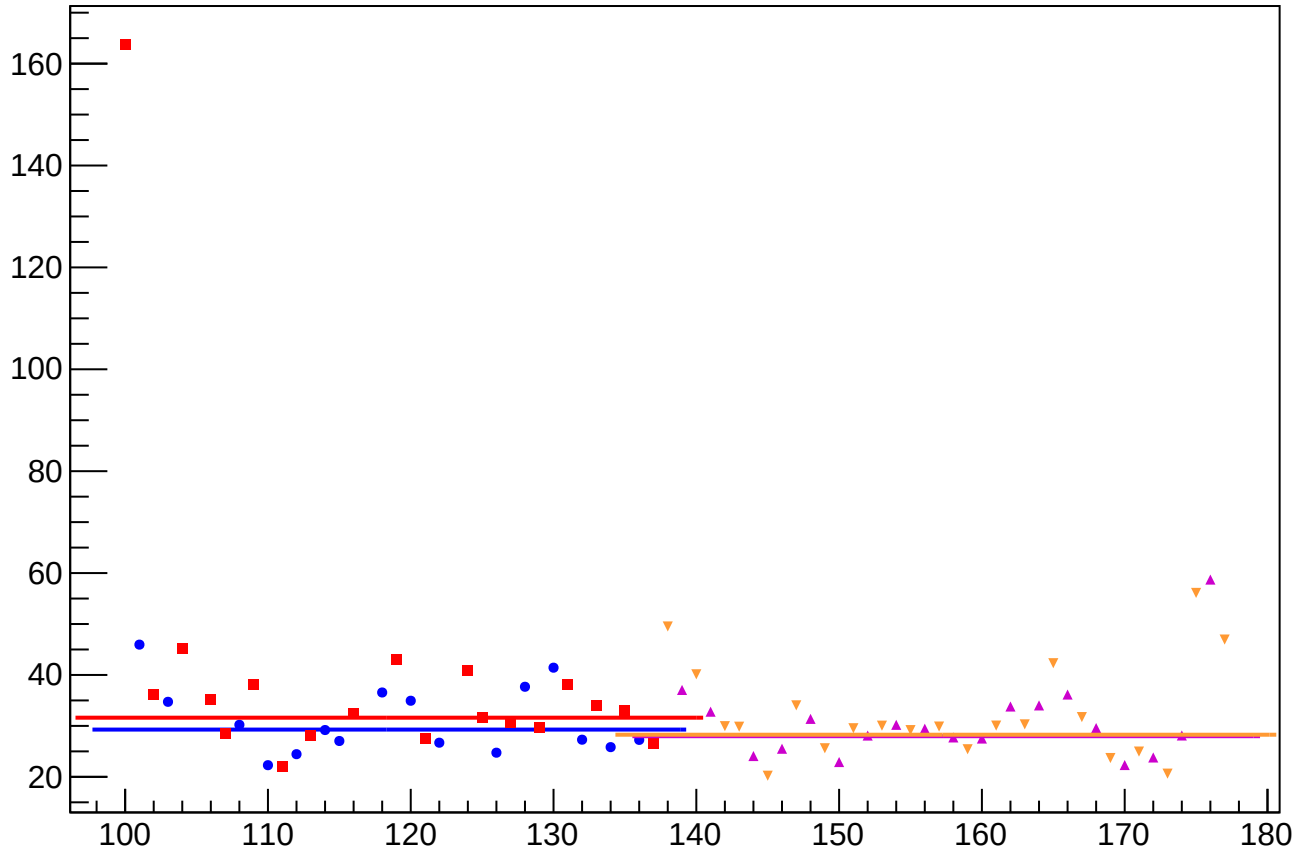
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:16.2/18

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/36

All: 0.013+/-0.004 χ^2/NDF: 76.4/74

- sign 0.013+/-0.006 χ^2/NDF: 33.3/37



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.270+/-0.005 χ^2/NDF:1807275.7/20

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

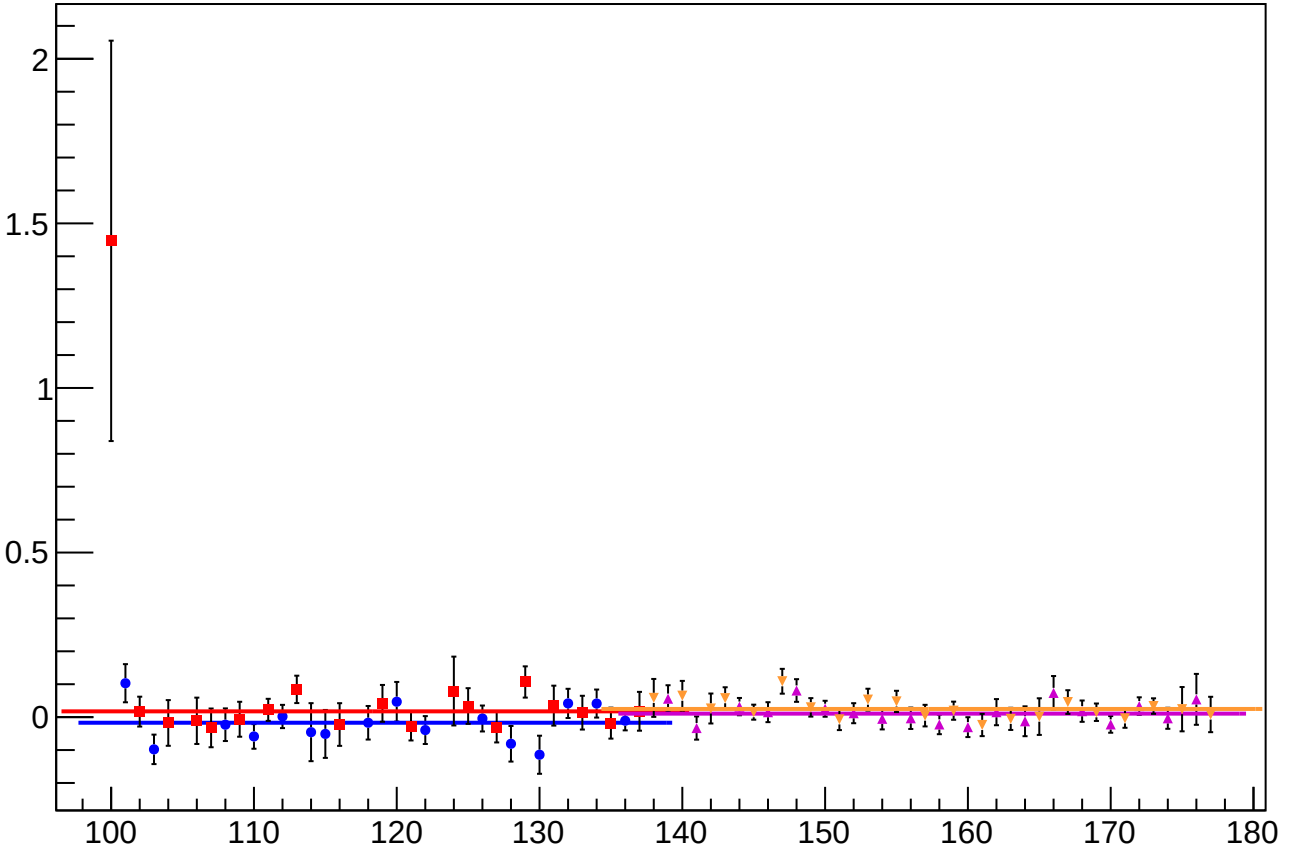
Left In: 27.979+/-0.005 χ^2/NDF:914081.8/18

+ sign 28.563+/-0.004 χ^2/NDF: 2379150.1/36

All: 28.759+/-0.003 χ^2/NDF: 4001047.4/74

- sign 28.968+/-0.004 χ^2/NDF: 1617645.5/37

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:14.6/20

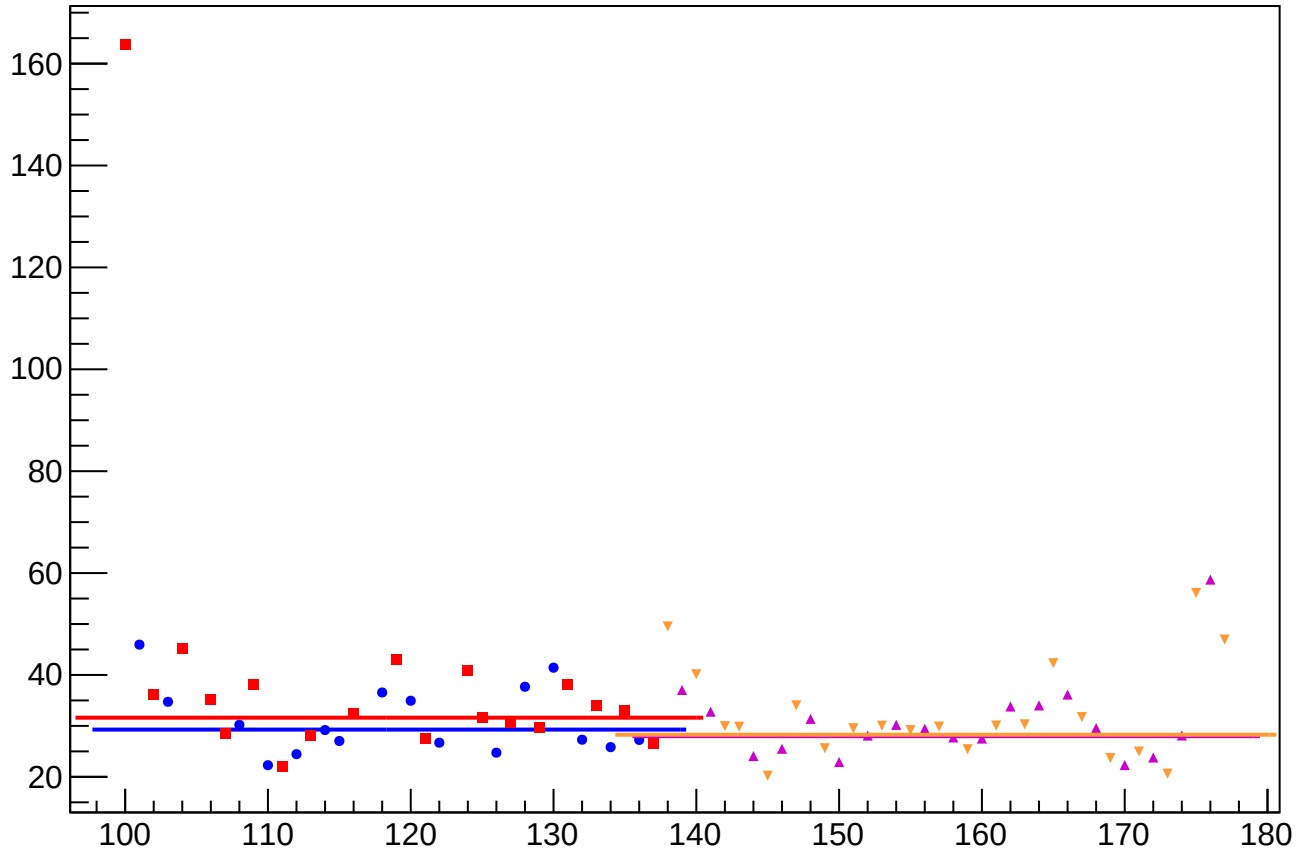
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.007 χ^2/NDF:16.2/18

+ sign 0.013+/-0.006 χ^2/NDF: 43.1/36

All: 0.013+/-0.004 χ^2/NDF: 76.4/74

- sign 0.013+/-0.006 χ^2/NDF: 33.3/37



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.270+/-0.005 χ^2/NDF:1807275.7/20

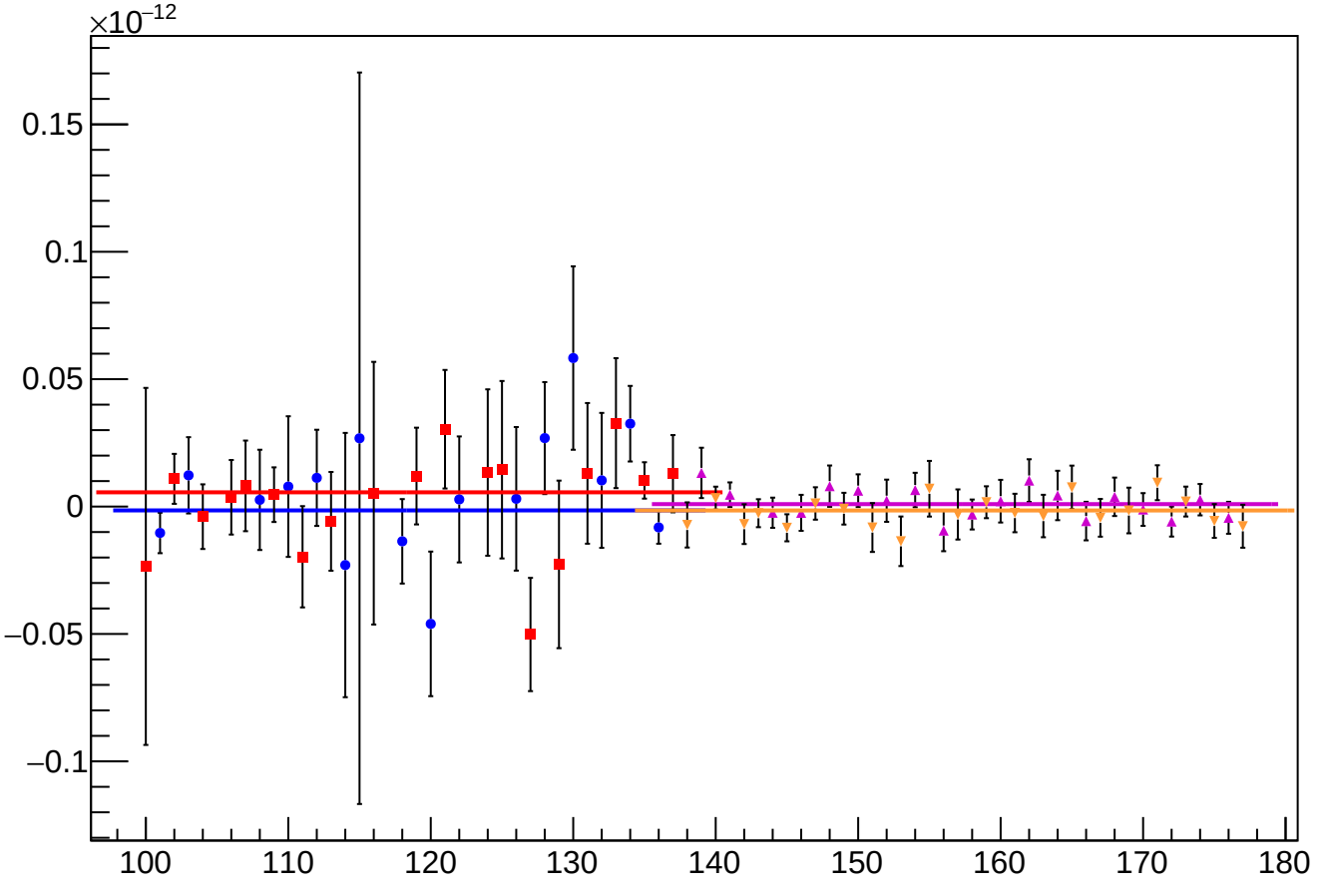
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.979+/-0.005 χ^2/NDF:914081.8/18

\+ sign 28.563+/-0.004 χ^2/NDF: 2379150.1/36

All: 28.759+/-0.003 χ^2/NDF: 4001047.4/74

\- sign 28.968+/-0.004 χ^2/NDF: 1617645.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/20

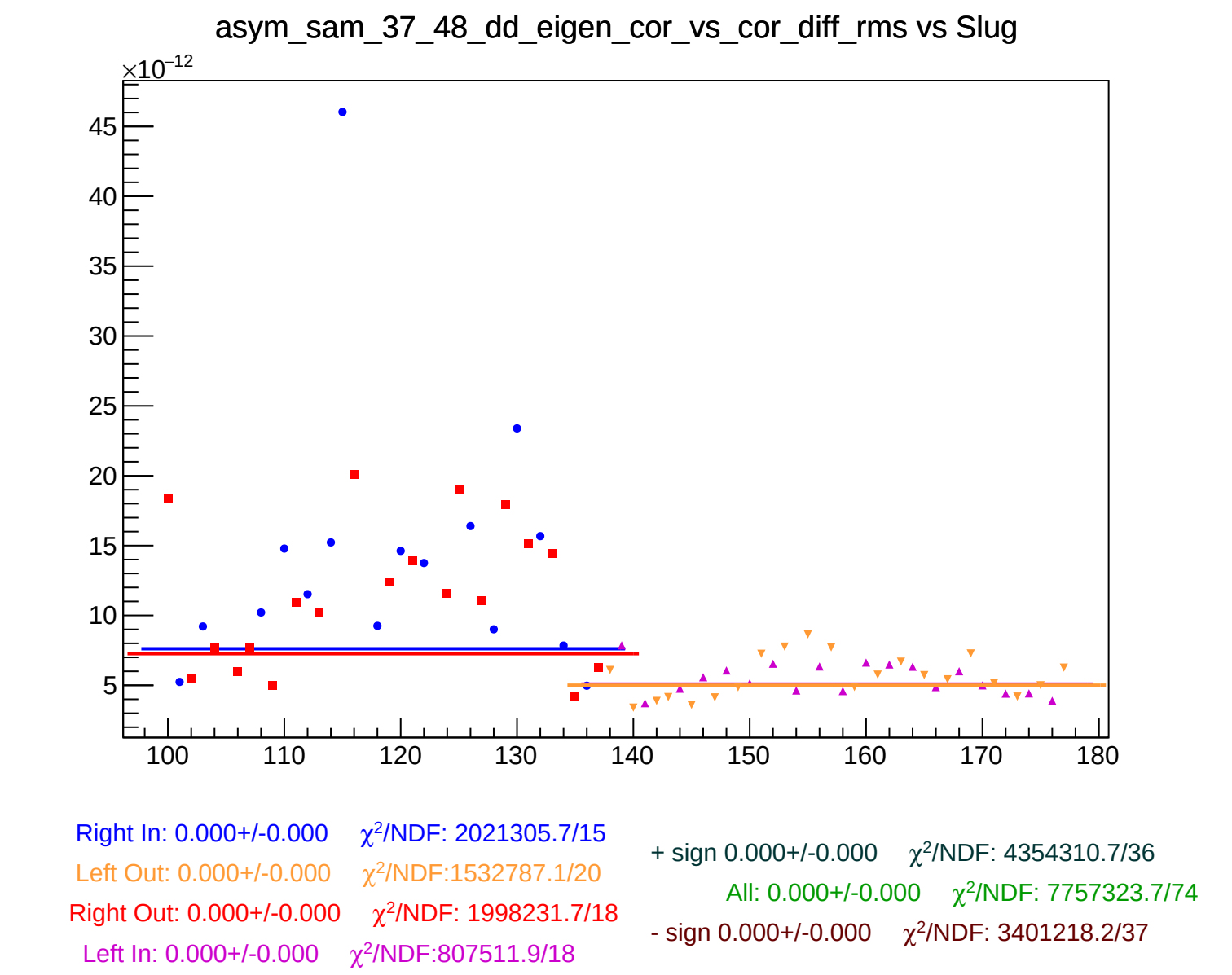
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/18

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/36

All: 0.000+/-0.000 χ^2/NDF: 57.6/74

- sign 0.000+/-0.000 χ^2/NDF: 26.2/37


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
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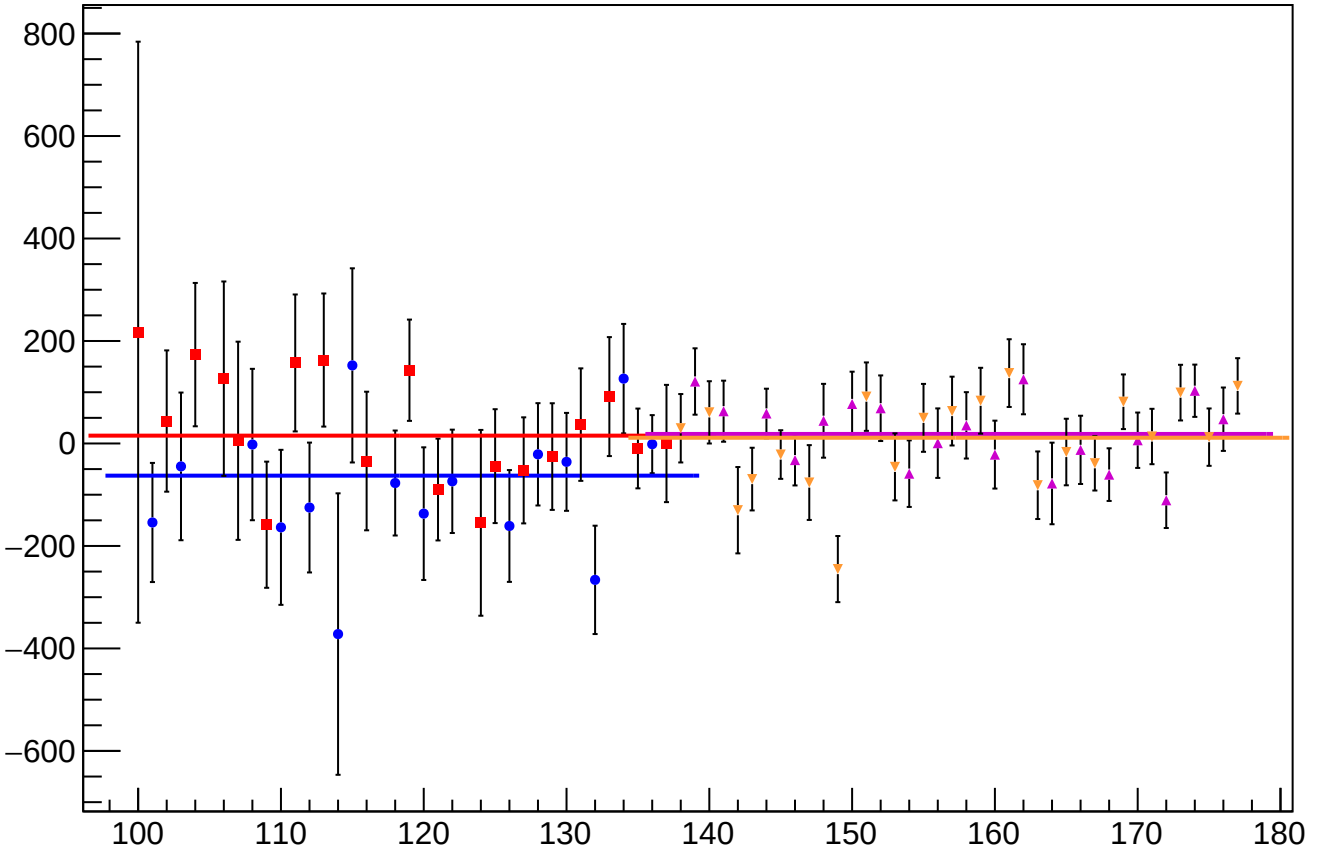
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1532787.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:807511.9/18
+ sign 0.000+/-0.000 χ²/NDF: 4354310.7/36
All: 0.000+/-0.000 χ²/NDF: 7757323.7/74
- sign 0.000+/-0.000 χ²/NDF: 3401218.2/37

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.151+/-13.282 χ^2/NDF:41.9/20

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

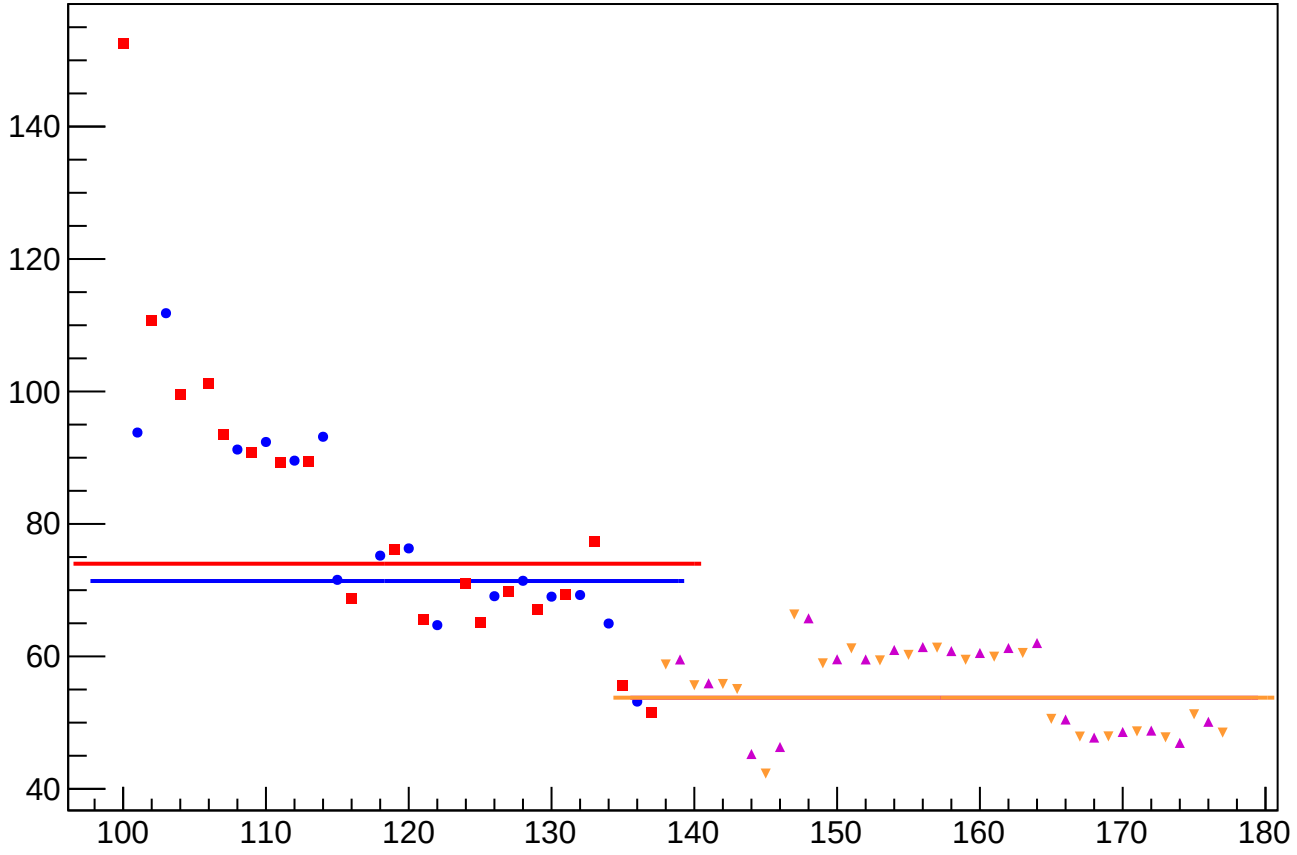
Left In: 18.585+/-13.775 χ^2/NDF:23.5/18

+ sign -3.076+/-11.936 χ^2/NDF: 61.4/36

All: 7.079+/-8.580 χ^2/NDF: 97.9/74

- sign 17.934+/-12.341 χ^2/NDF: 35.0/37

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.768+/-0.009 χ^2/NDF:460813.5/20

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

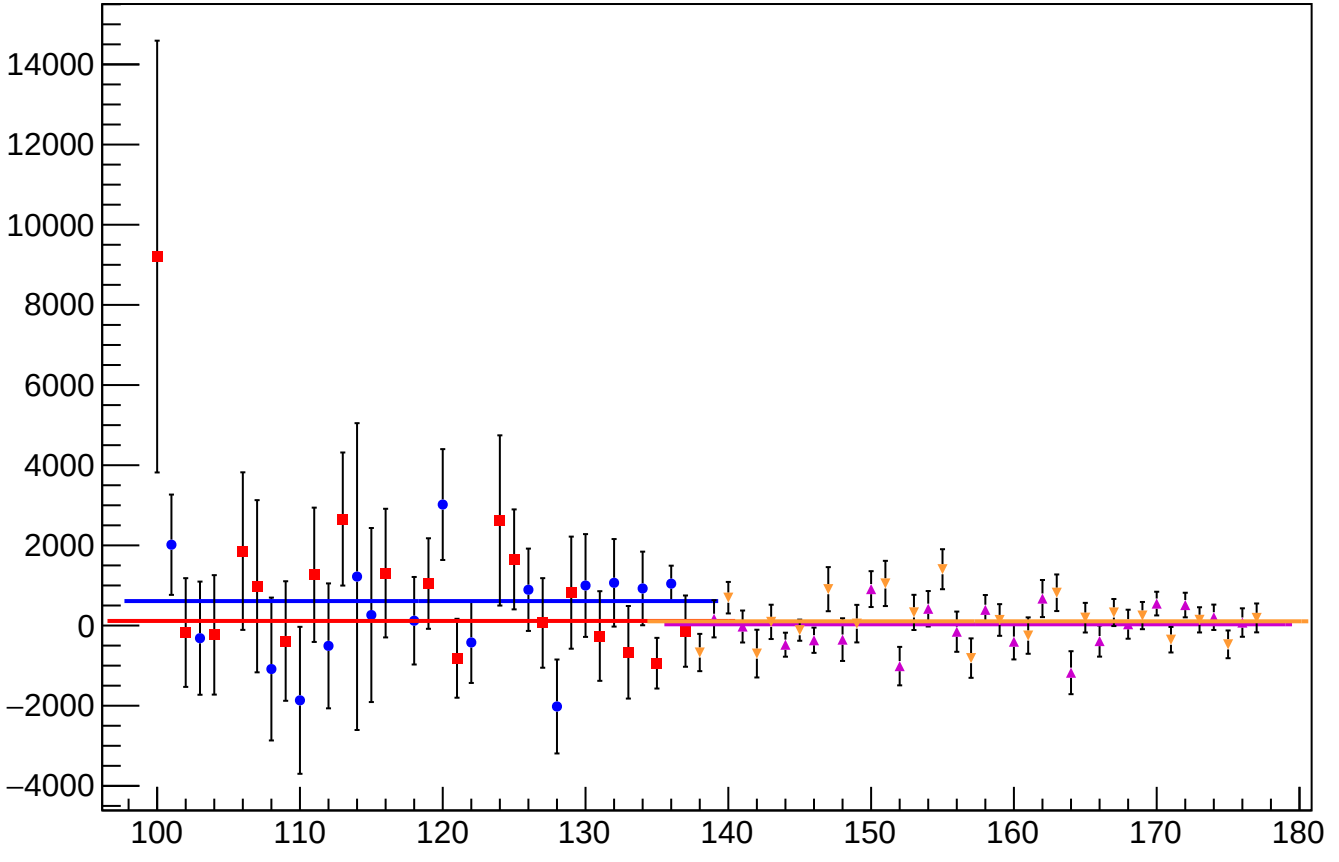
Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

+ sign 57.157+/-0.008 χ^2/NDF: 1728483.8/36

All: 57.444+/-0.006 χ^2/NDF: 3686417.2/74

- sign 57.751+/-0.009 χ^2/NDF: 1955543.1/37

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 105.914+/-86.088 χ^2/NDF:31.7/20

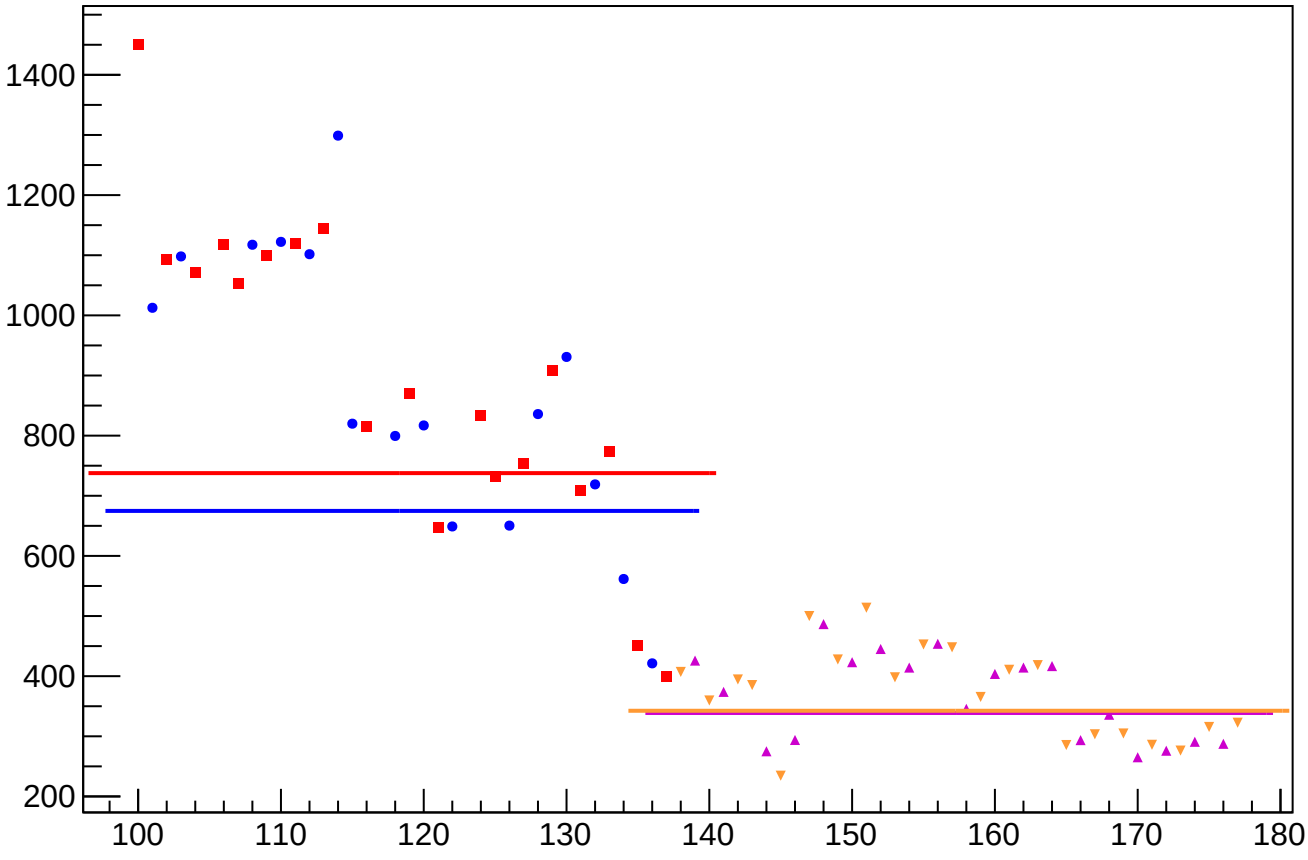
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 30.927+/-88.062 χ^2/NDF:30.5/18

+ sign 153.500+/-81.928 χ^2/NDF: 50.6/36

All: 97.398+/-58.691 χ^2/NDF: 97.7/74

- sign 38.254+/-84.119 χ^2/NDF: 46.1/37



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 342.474+/-0.061 χ^2/NDF:1425804.7/20

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

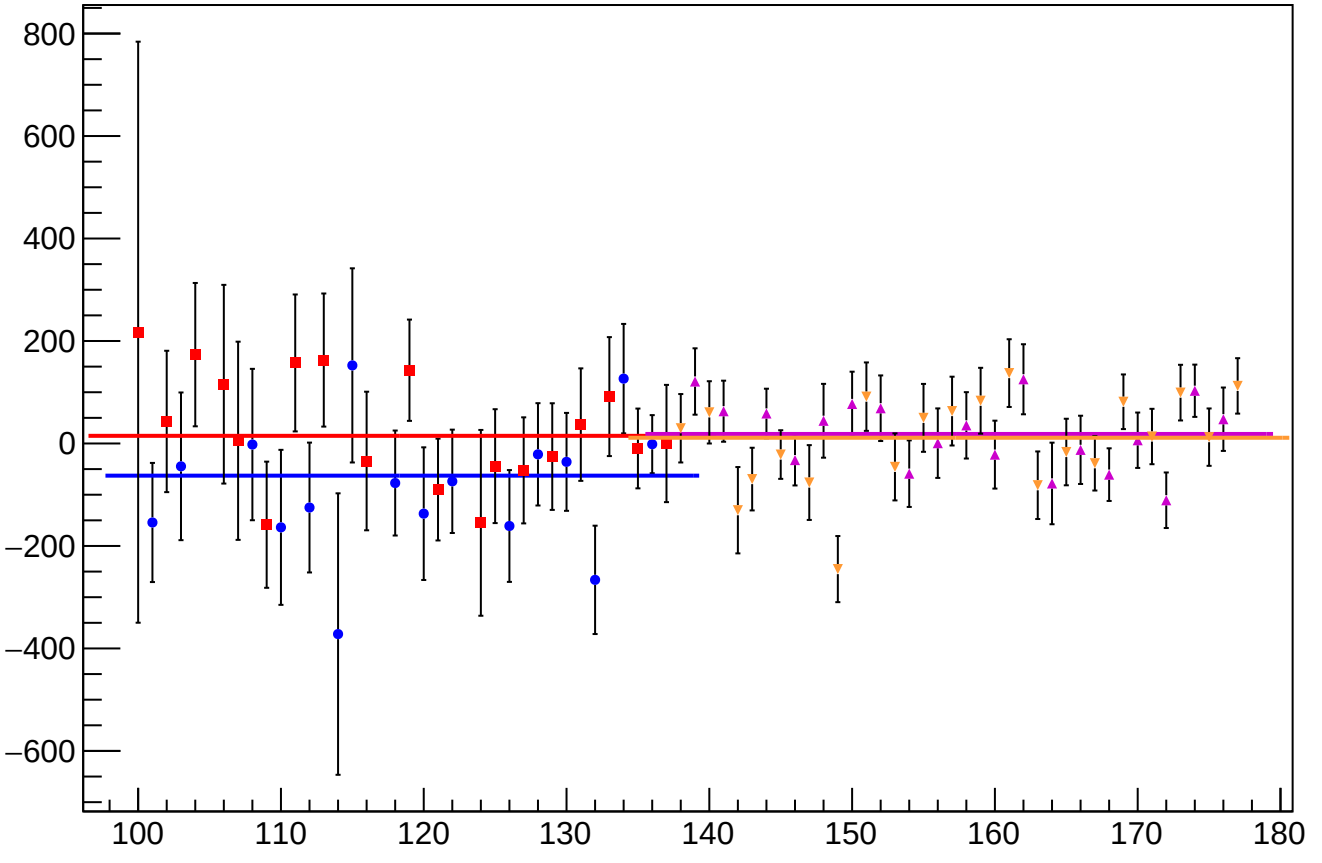
Left In: 338.816+/-0.062 χ^2/NDF:1165945.1/18

+ sign 373.814+/-0.058 χ^2/NDF: 5854302.9/36

All: 373.774+/-0.042 χ^2/NDF: 12128621.9/74

- sign 373.732+/-0.059 χ^2/NDF: 6274318.0/37

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.152+/-13.282 χ^2/NDF:41.9/20

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

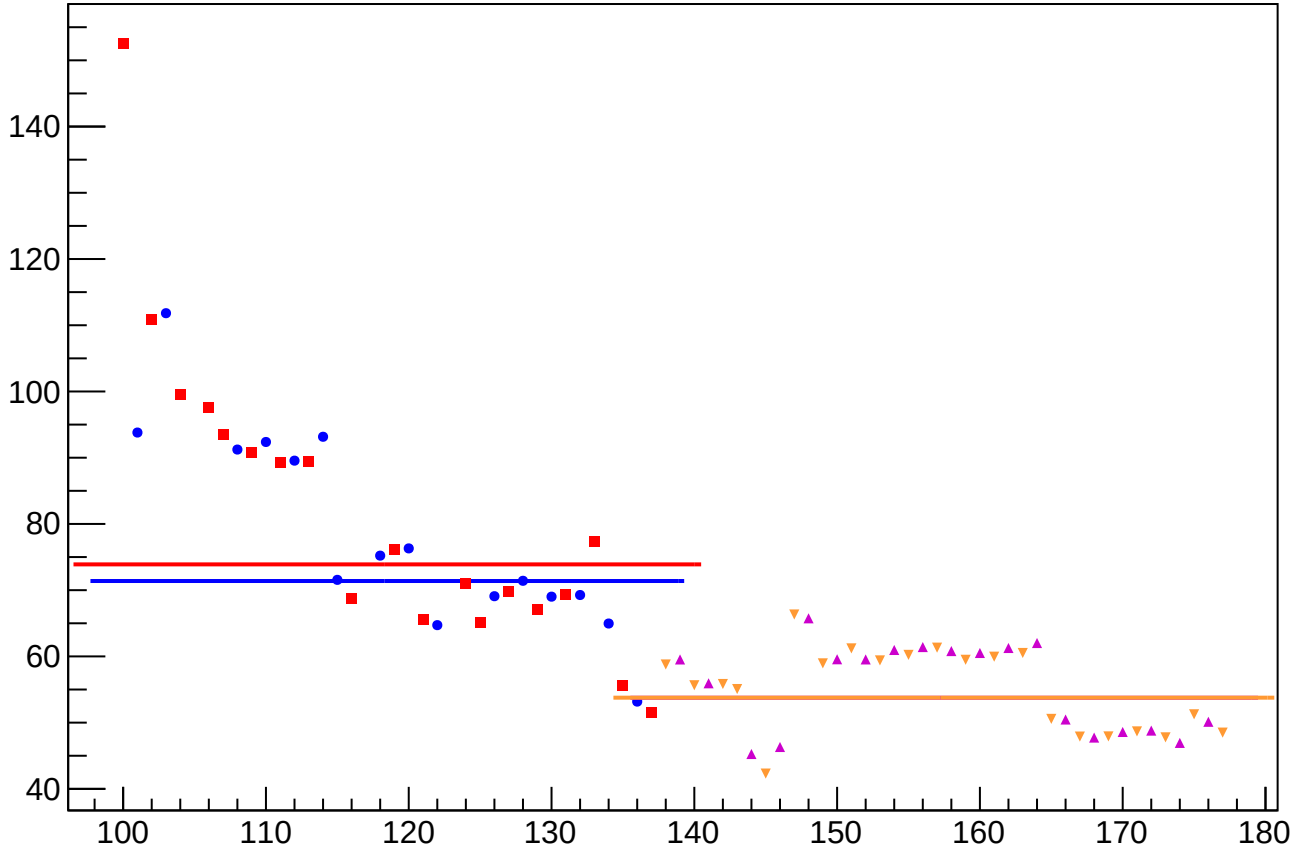
Left In: 18.585+/-13.775 χ^2/NDF:23.5/18

+ sign -3.074+/-11.936 χ^2/NDF: 61.4/36

All: 7.046+/-8.580 χ^2/NDF: 97.8/74

- sign 17.864+/-12.342 χ^2/NDF: 35.0/37

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.768+/-0.009 χ^2/NDF:460813.5/20

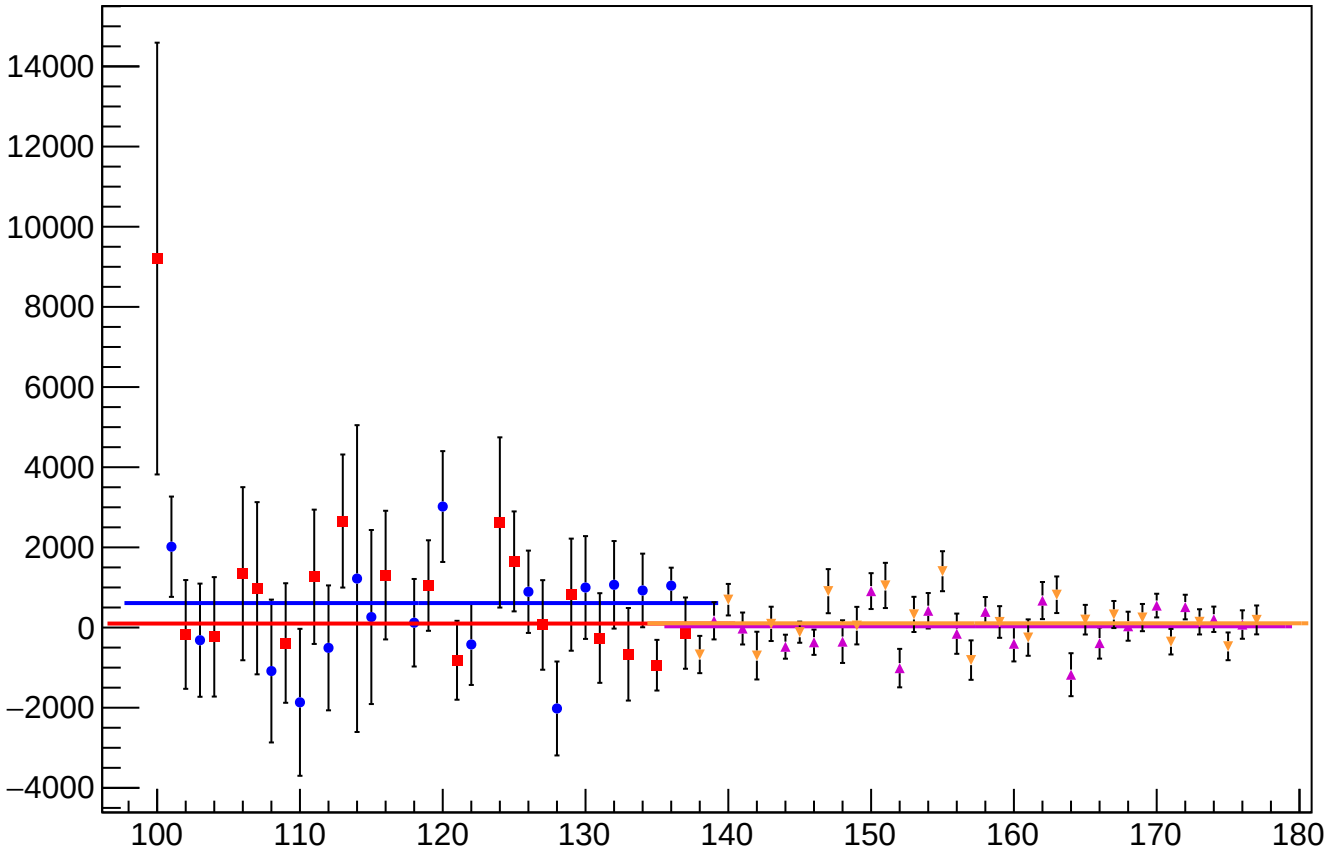
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

+ sign 57.157+/-0.008 χ^2/NDF: 1728486.4/36

All: 57.433+/-0.006 χ^2/NDF: 3665779.9/74

- sign 57.728+/-0.009 χ^2/NDF: 1935083.0/37



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 105.913+/-86.088 χ^2/NDF:31.7/20

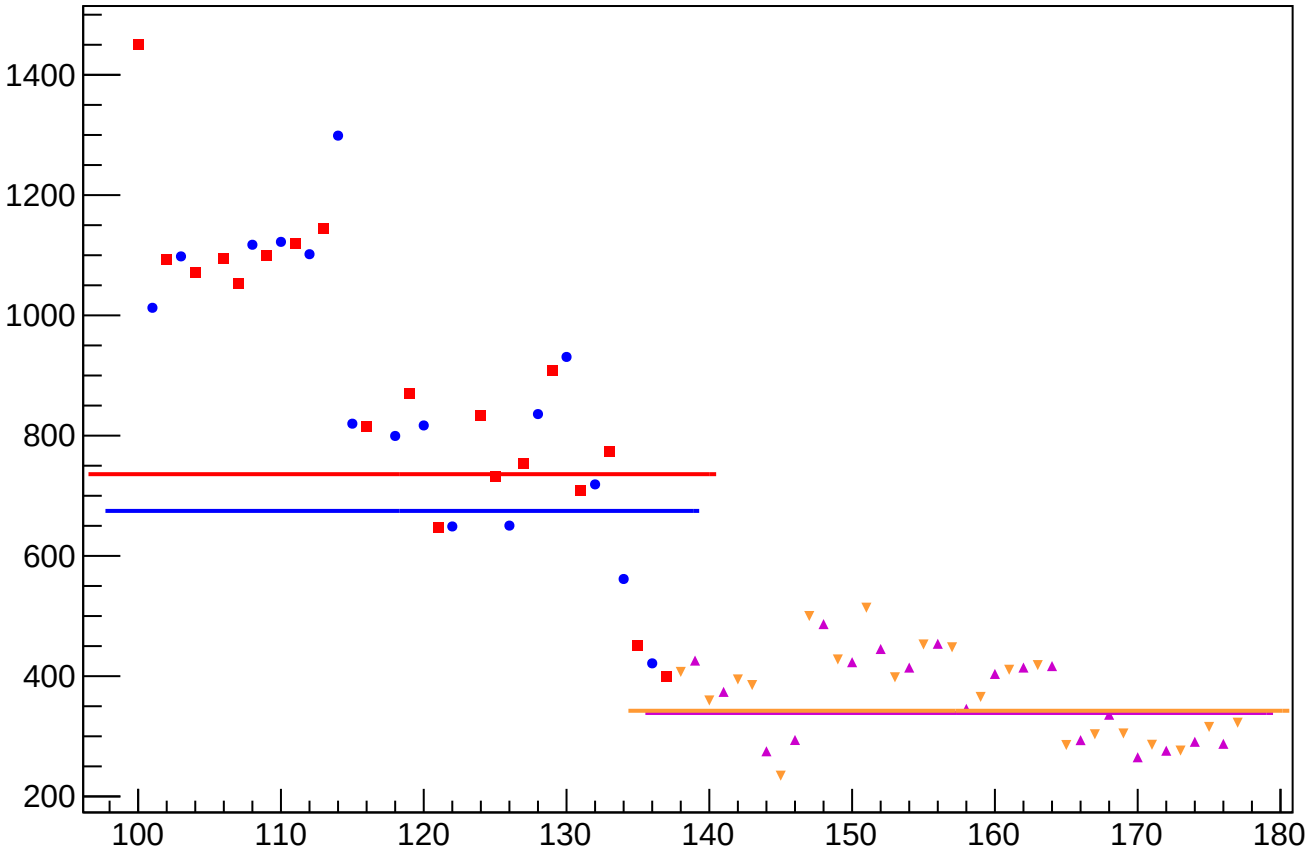
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 30.928+/-88.062 χ^2/NDF:30.5/18

+ sign 153.498+/-81.928 χ^2/NDF: 50.6/36

All: 96.754+/-58.696 χ^2/NDF: 97.2/74

- sign 36.916+/-84.132 χ^2/NDF: 45.6/37



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 342.474+/-0.061 χ^2/NDF:1425806.0/20

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

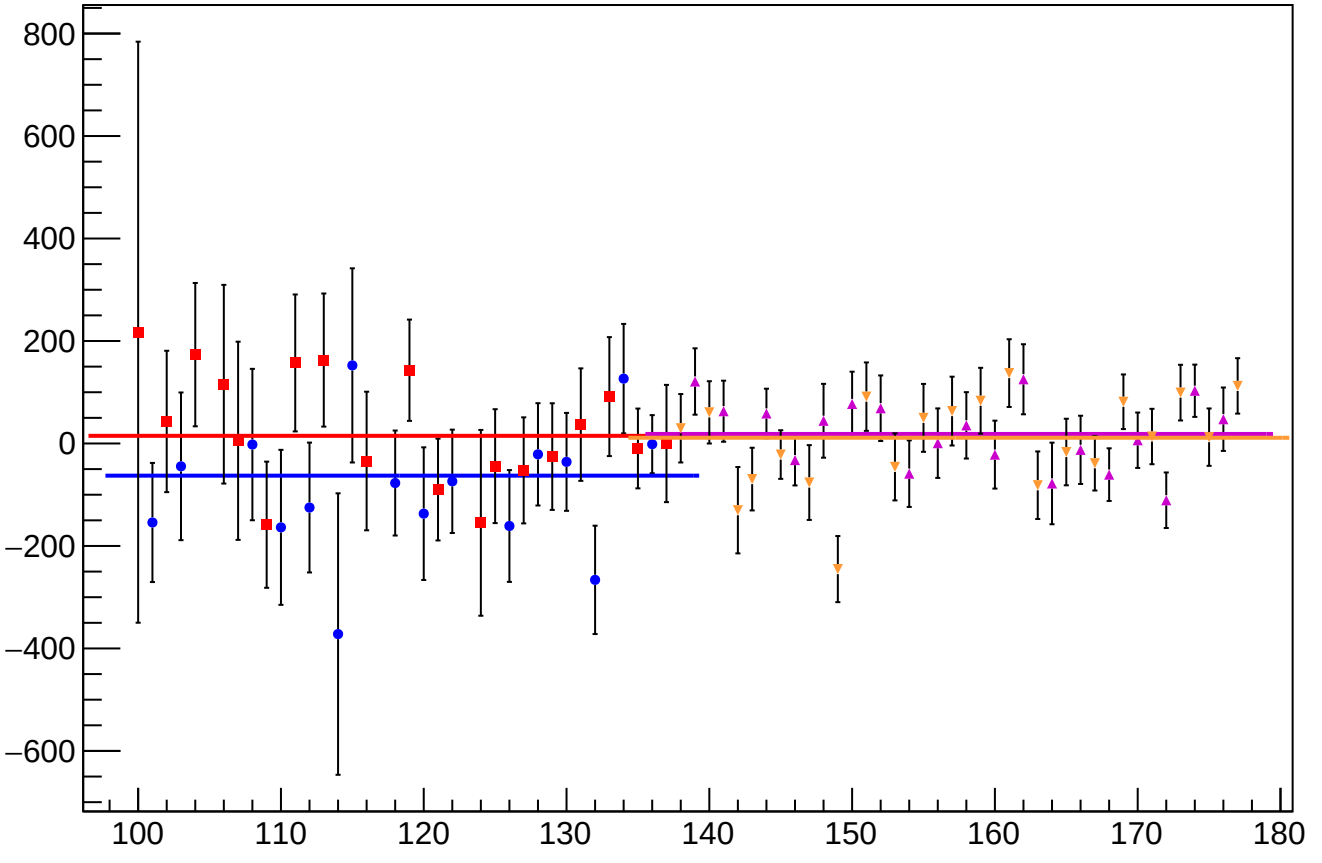
Left In: 338.816+/-0.062 χ^2/NDF:1165955.3/18

+ sign 373.814+/-0.058 χ^2/NDF: 5854326.5/36

All: 373.643+/-0.042 χ^2/NDF: 12065535.4/74

- sign 373.462+/-0.059 χ^2/NDF: 6211191.0/37

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.152+/-13.282 χ^2/NDF:41.9/20

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

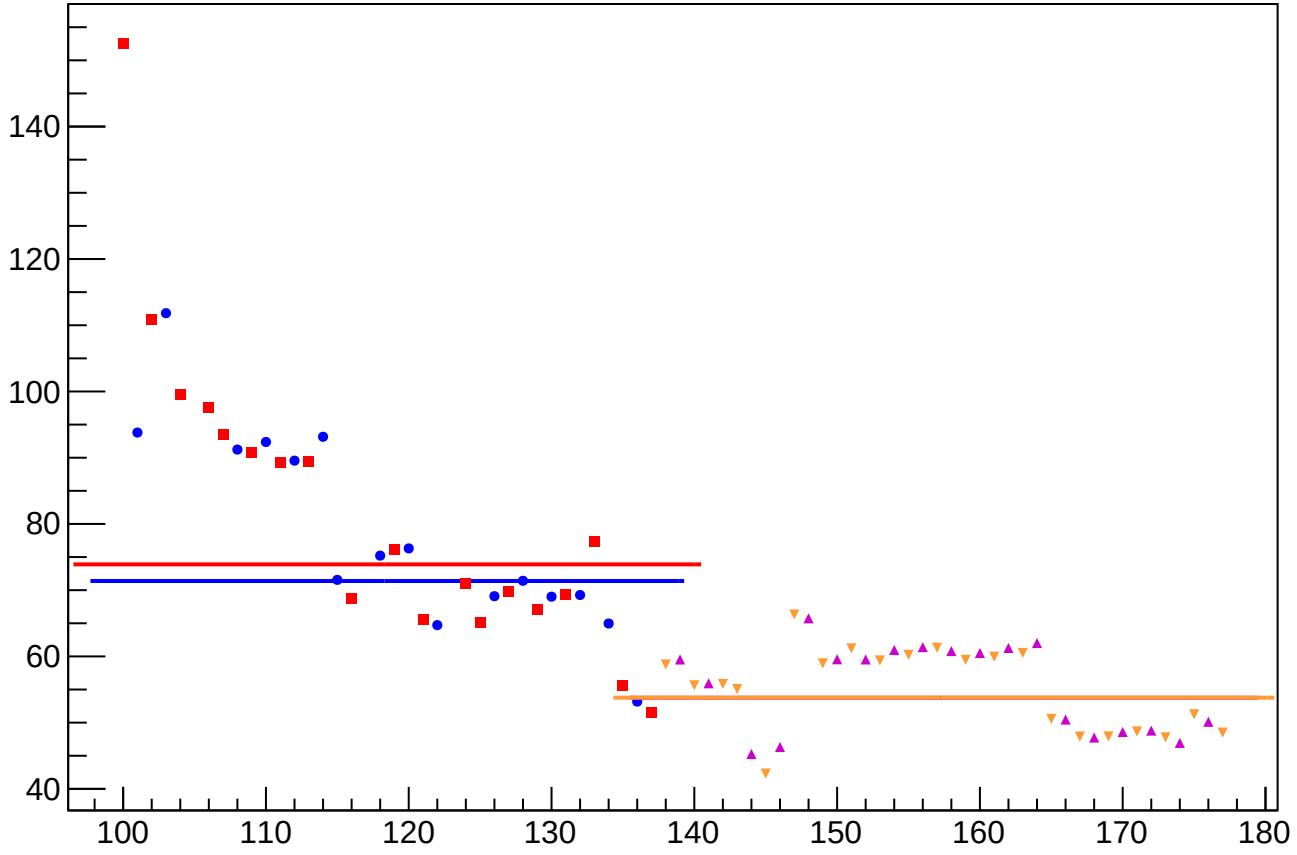
Left In: 18.585+/-13.775 χ^2/NDF:23.5/18

+ sign -3.074+/-11.936 χ^2/NDF: 61.4/36

All: 7.046+/-8.580 χ^2/NDF: 97.8/74

- sign 17.864+/-12.342 χ^2/NDF: 35.0/37

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.768+/-0.009 χ^2/NDF:460813.5/20

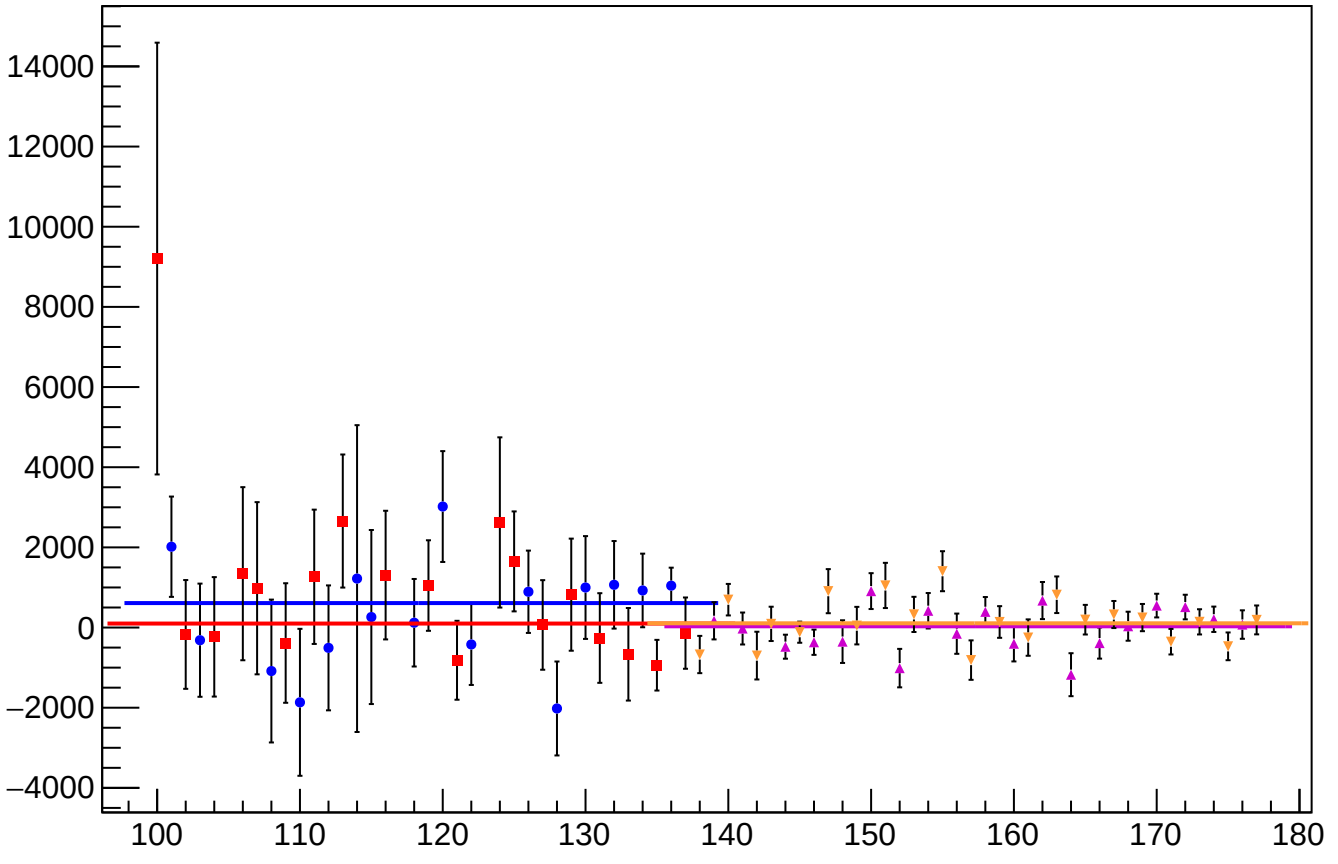
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

+ sign 57.157+/-0.008 χ^2/NDF: 1728486.4/36

All: 57.433+/-0.006 χ^2/NDF: 3665779.9/74

- sign 57.728+/-0.009 χ^2/NDF: 1935083.0/37



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 105.913+/-86.088 χ^2/NDF:31.7/20

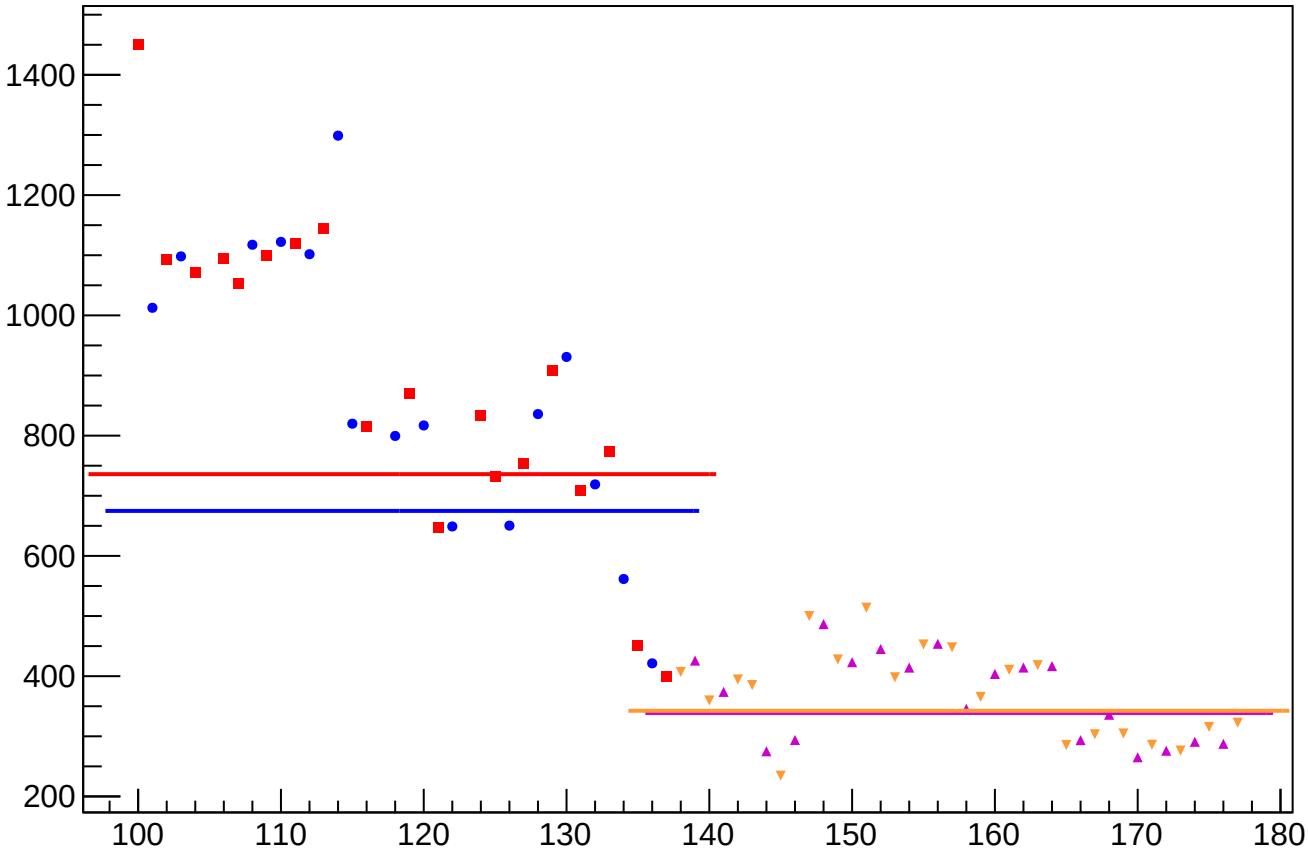
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 30.928+/-88.062 χ^2/NDF:30.5/18

+ sign 153.498+/-81.928 χ^2/NDF: 50.6/36

All: 96.754+/-58.696 χ^2/NDF: 97.2/74

- sign 36.916+/-84.132 χ^2/NDF: 45.6/37



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 342.474+/-0.061 χ^2/NDF:1425806.0/20

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

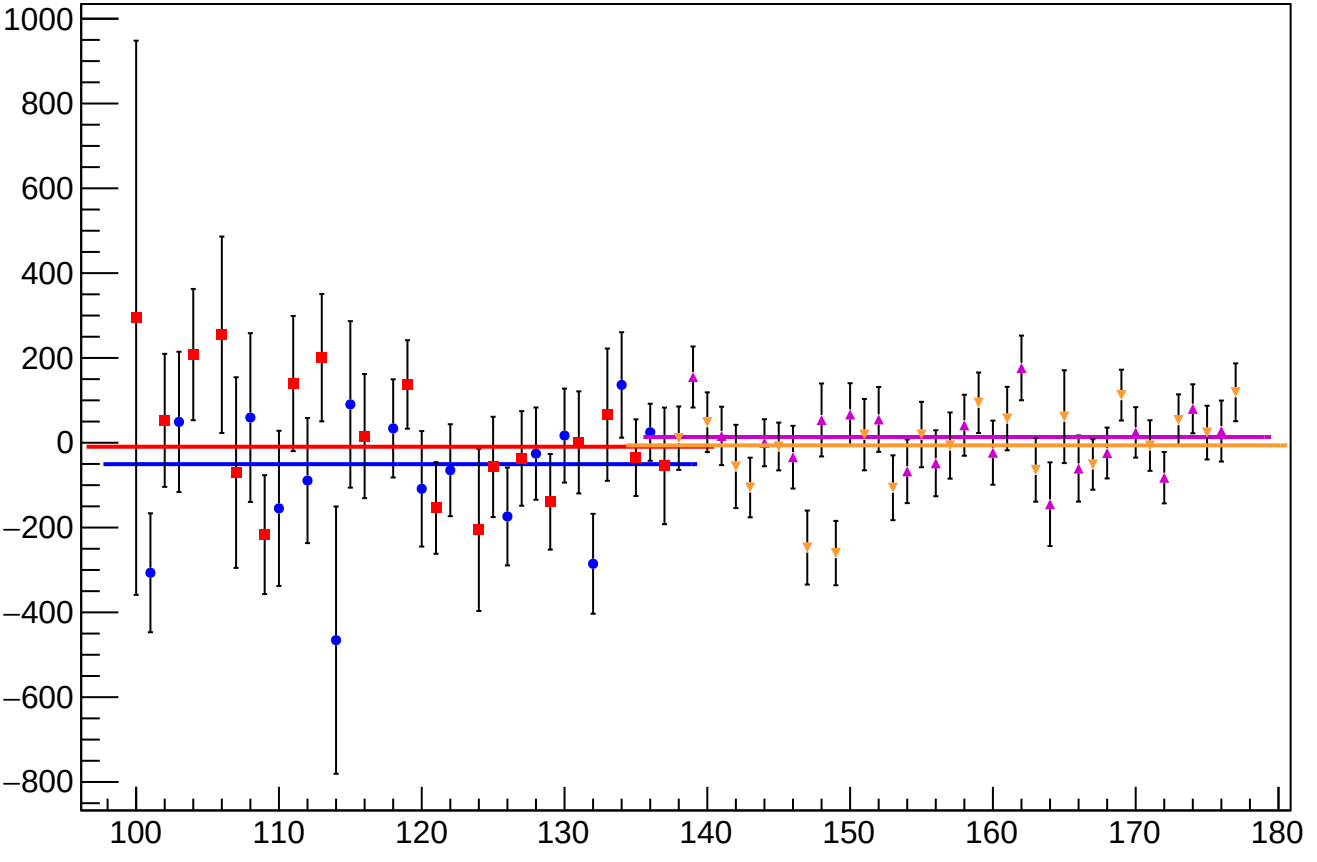
Left In: 338.816+/-0.062 χ^2/NDF:1165955.3/18

+ sign 373.814+/-0.058 χ^2/NDF: 5854326.5/36

All: 373.643+/-0.042 χ^2/NDF: 12065535.4/74

- sign 373.462+/-0.059 χ^2/NDF: 6211191.0/37

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -6.129+/-15.493 χ^2/NDF:36.4/20

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

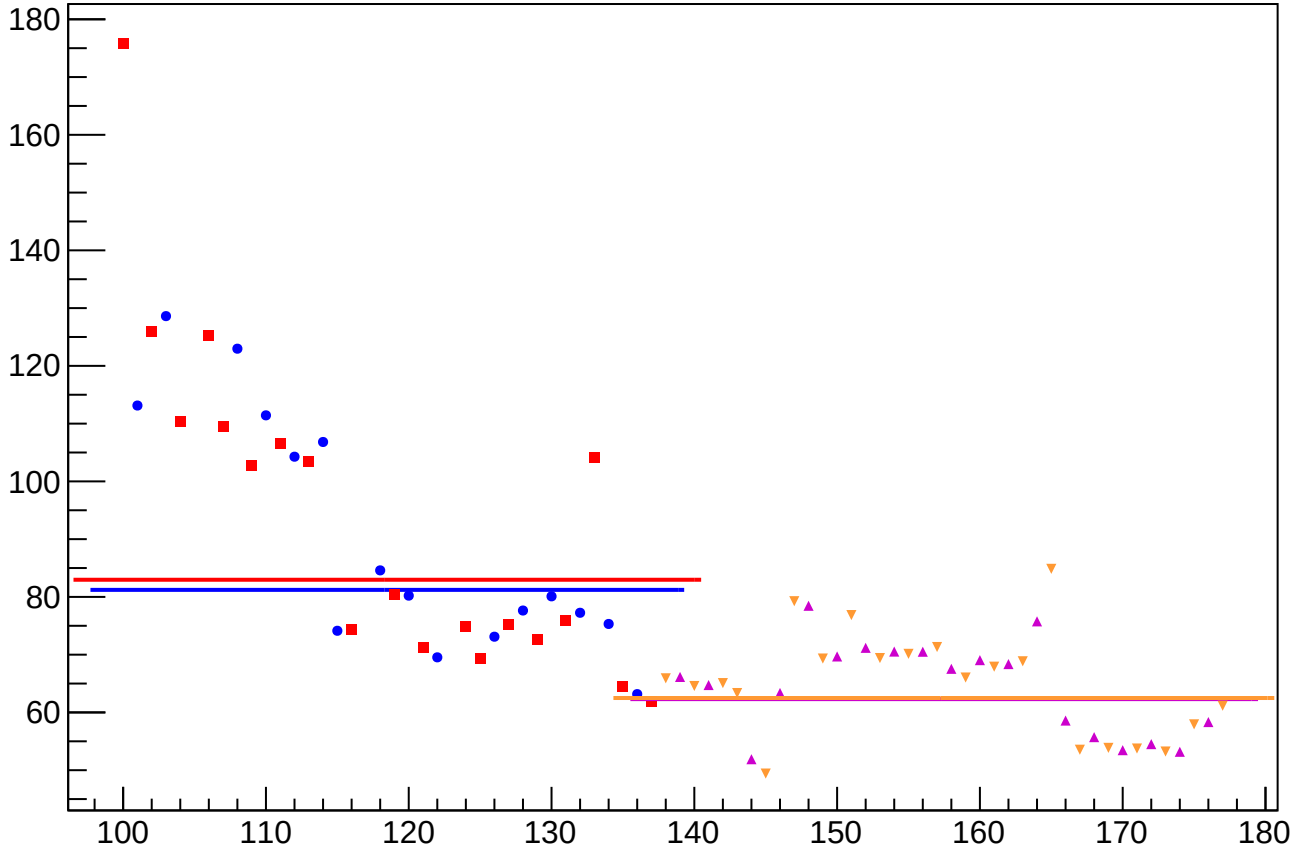
Left In: 13.541+/-16.058 χ^2/NDF:19.9/18

+ sign -14.962+/-13.864 χ^2/NDF: 54.4/36

All: -3.458+/-9.948 χ^2/NDF: 91.7/74

- sign 8.749+/-14.281 χ^2/NDF: 35.9/37

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.496+/-0.011 χ^2/NDF:626168.7/20

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

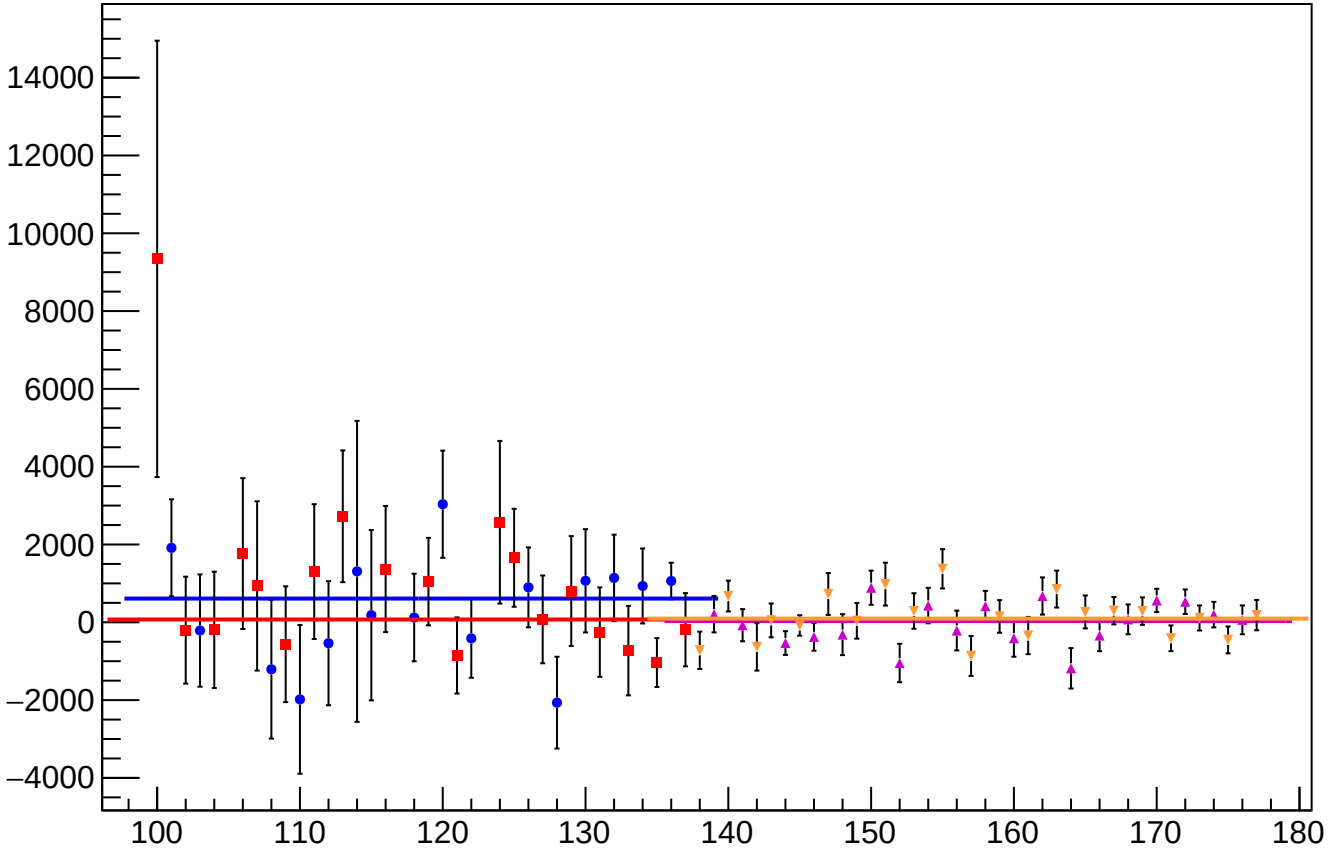
Left In: 62.305+/-0.011 χ^2/NDF:481167.6/18

+ sign 66.226+/-0.010 χ^2/NDF: 1870865.8/36

All: 66.420+/-0.007 χ^2/NDF: 3775719.1/74

- sign 66.625+/-0.010 χ^2/NDF: 1904049.4/37

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 95.522+/-88.682 χ^2/NDF:30.1/20

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

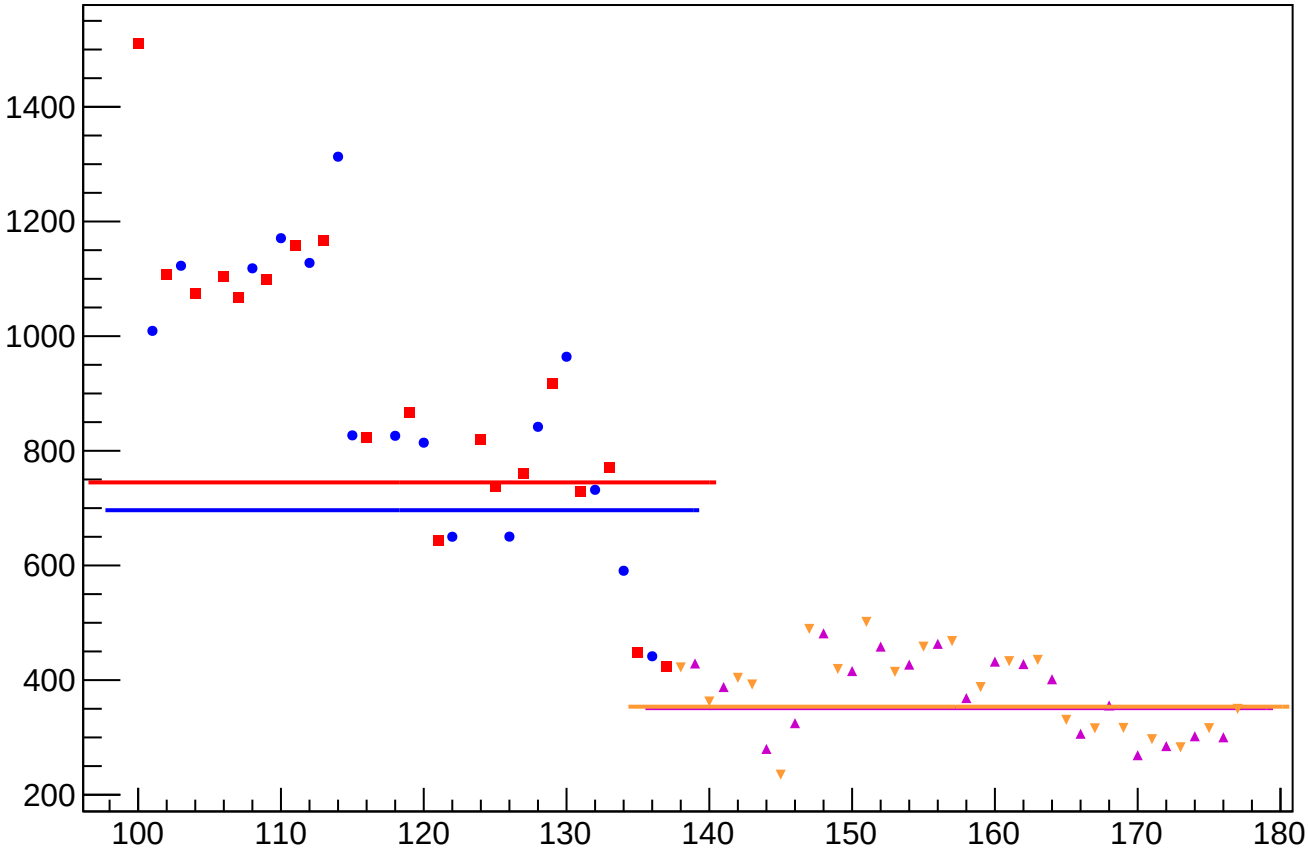
Left In: 33.155+/-91.197 χ^2/NDF:30.8/18

+ sign 144.348+/-84.373 χ^2/NDF: 49.1/36

All: 92.142+/-60.538 χ^2/NDF: 96.8/74

- sign 36.749+/-86.910 χ^2/NDF: 46.9/37

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 353.653+/-0.063 χ^2/NDF:1370780.5/20

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

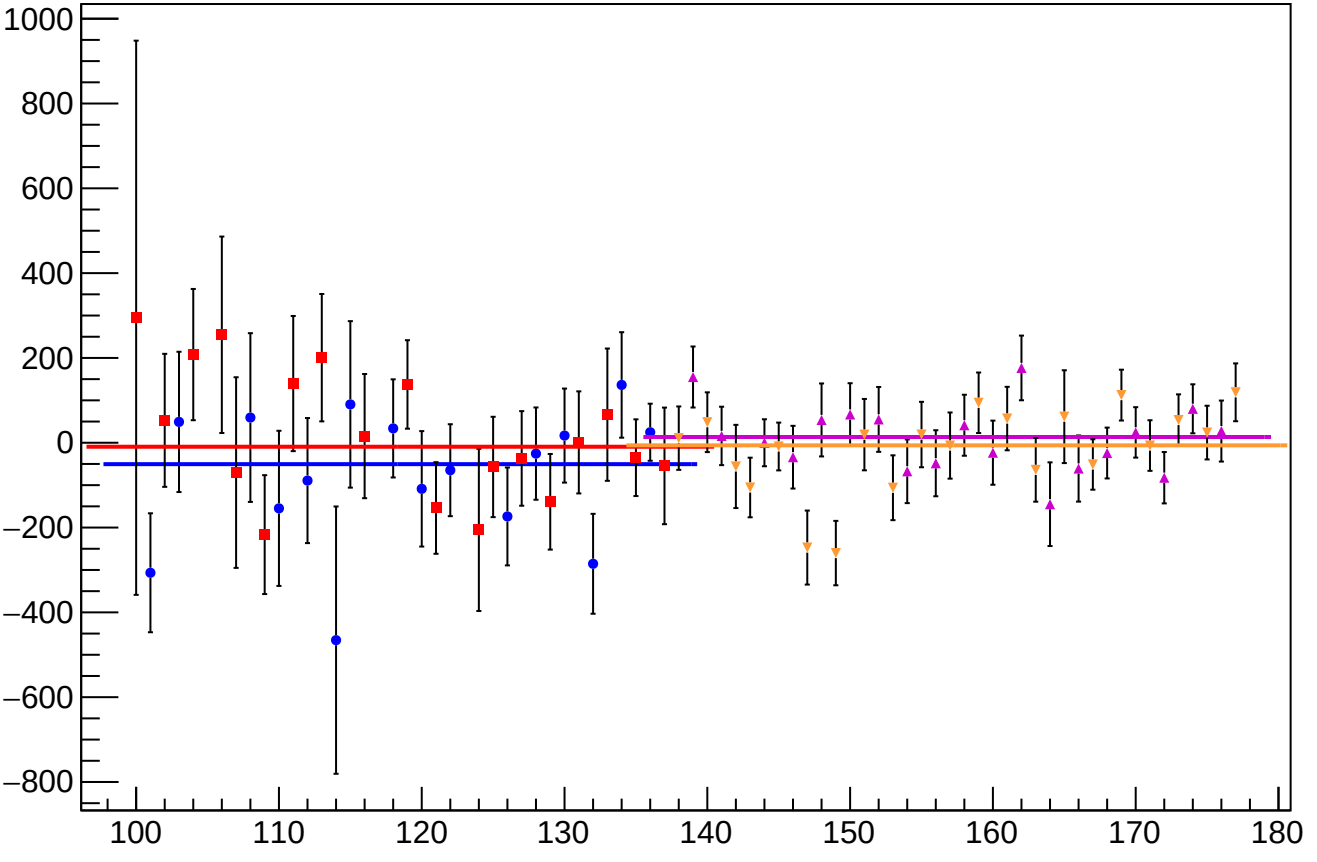
Left In: 351.097+/-0.064 χ^2/NDF:1081066.3/18

+ sign 386.154+/-0.060 χ^2/NDF: 5718881.4/36

All: 386.685+/-0.043 χ^2/NDF: 11721897.4/74

- sign 387.249+/-0.061 χ^2/NDF: 6002852.5/37

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -6.128+/-15.493 χ^2/NDF:36.4/20

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

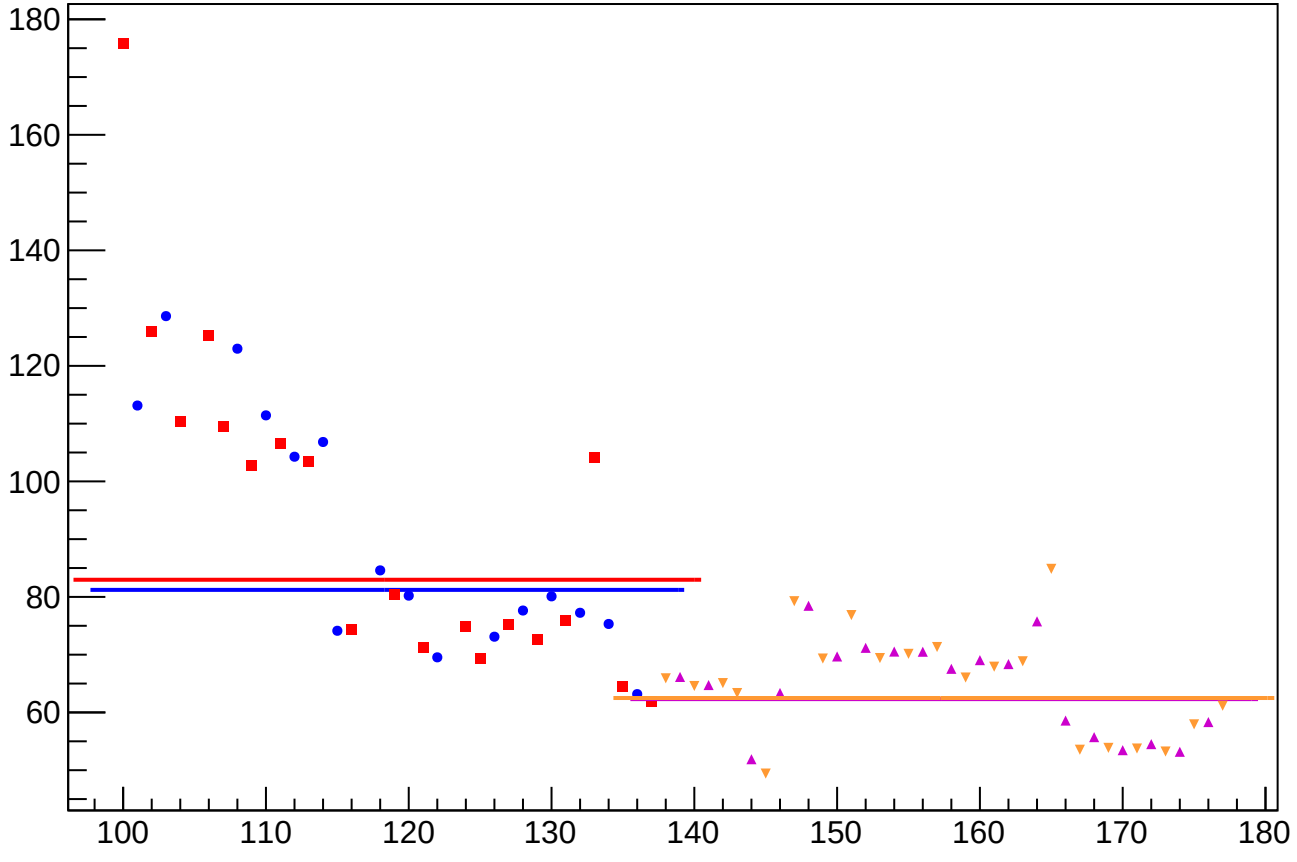
Left In: 13.541+/-16.058 χ^2/NDF:19.9/18

+ sign -14.961+/-13.864 χ^2/NDF: 54.4/36

All: -3.458+/-9.948 χ^2/NDF: 91.7/74

- sign 8.749+/-14.281 χ^2/NDF: 35.9/37

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.496+/-0.011 χ^2/NDF:626166.5/20

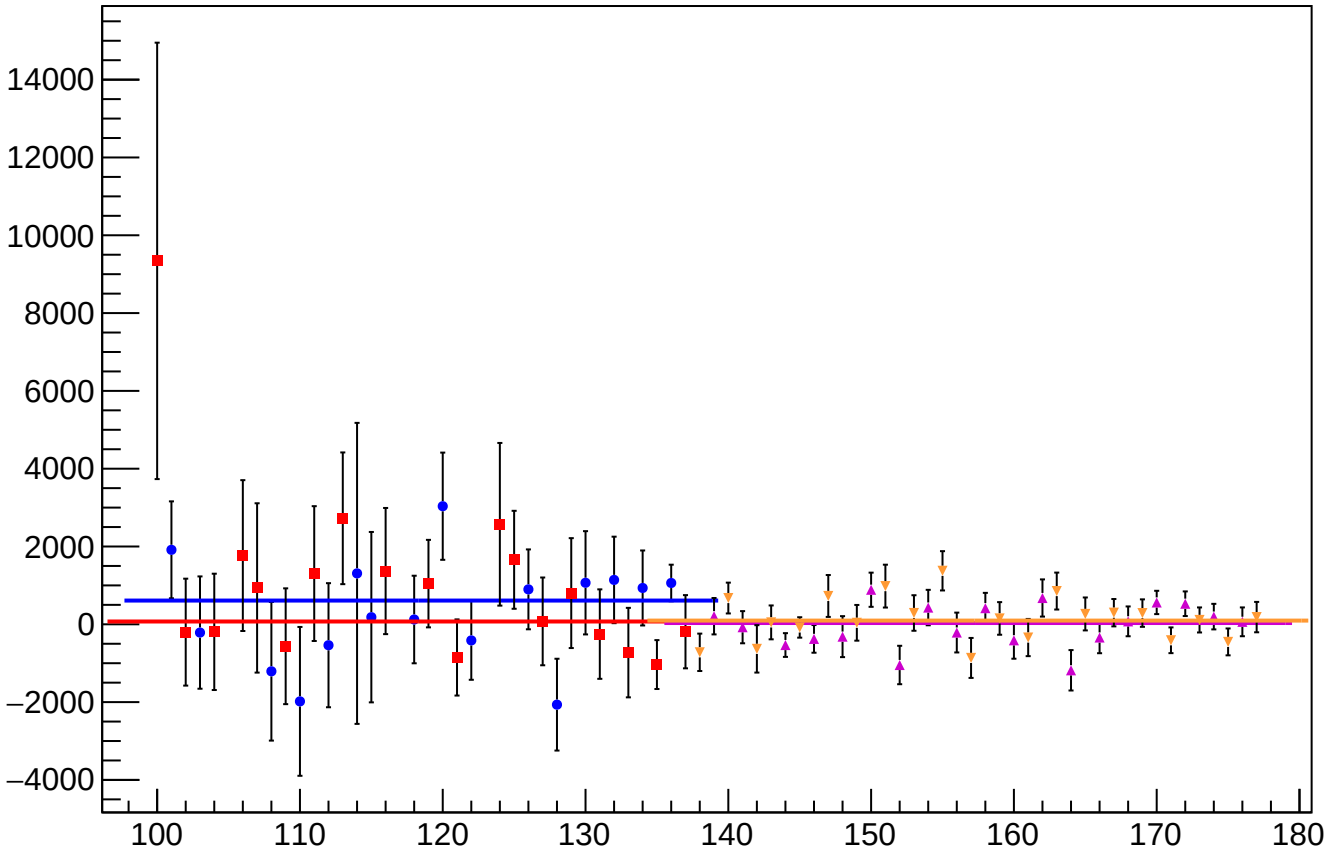
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.305+/-0.011 χ^2/NDF:481160.2/18

+ sign 66.226+/-0.010 χ^2/NDF: 1870822.6/36

All: 66.420+/-0.007 χ^2/NDF: 3775632.5/74

- sign 66.625+/-0.010 χ^2/NDF: 1904005.6/37



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 95.523+/-88.682 χ^2/NDF:30.1/20

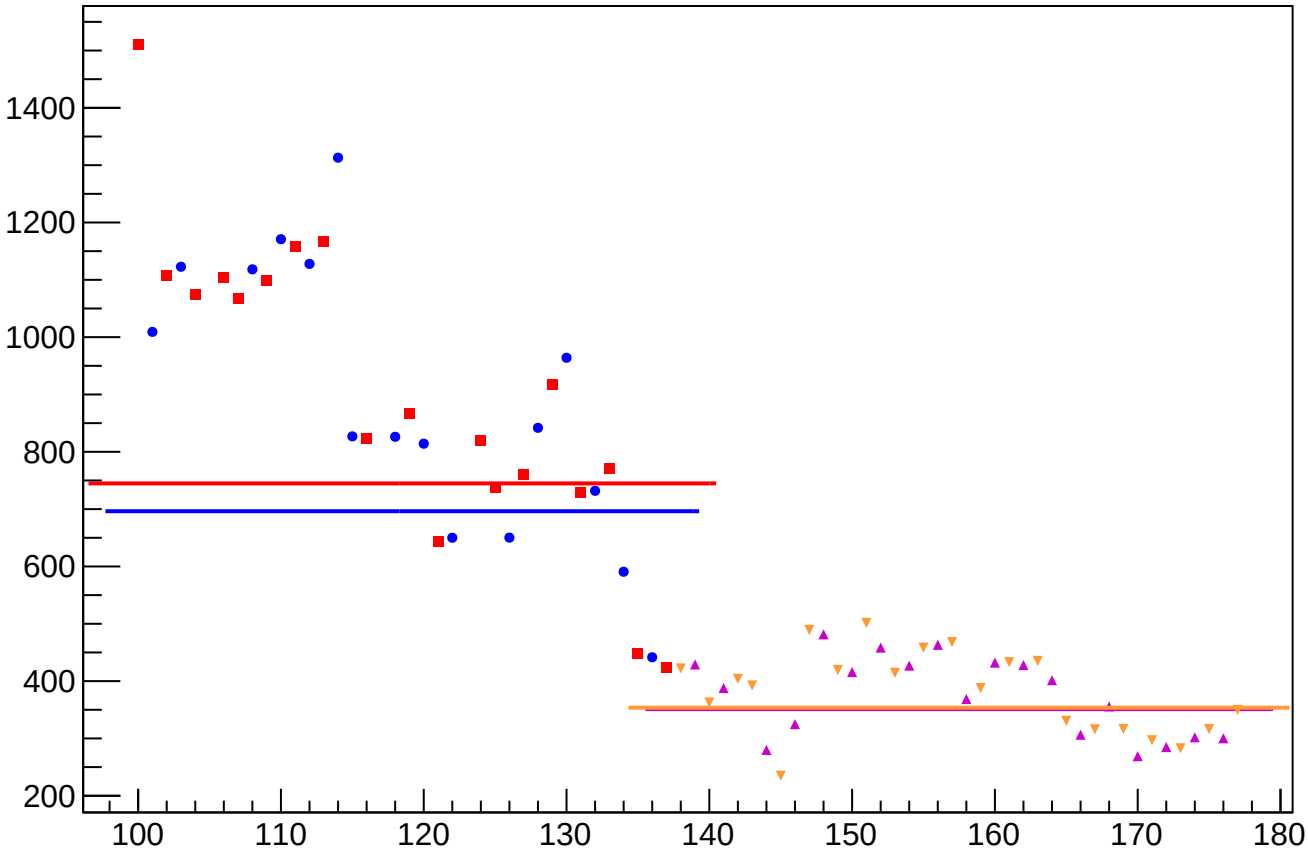
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 33.155+/-91.197 χ^2/NDF:30.8/18

+ sign 144.348+/-84.373 χ^2/NDF: 49.1/36

All: 92.143+/-60.538 χ^2/NDF: 96.8/74

- sign 36.750+/-86.910 χ^2/NDF: 46.9/37



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 353.653+/-0.063 χ^2/NDF:1370794.3/20

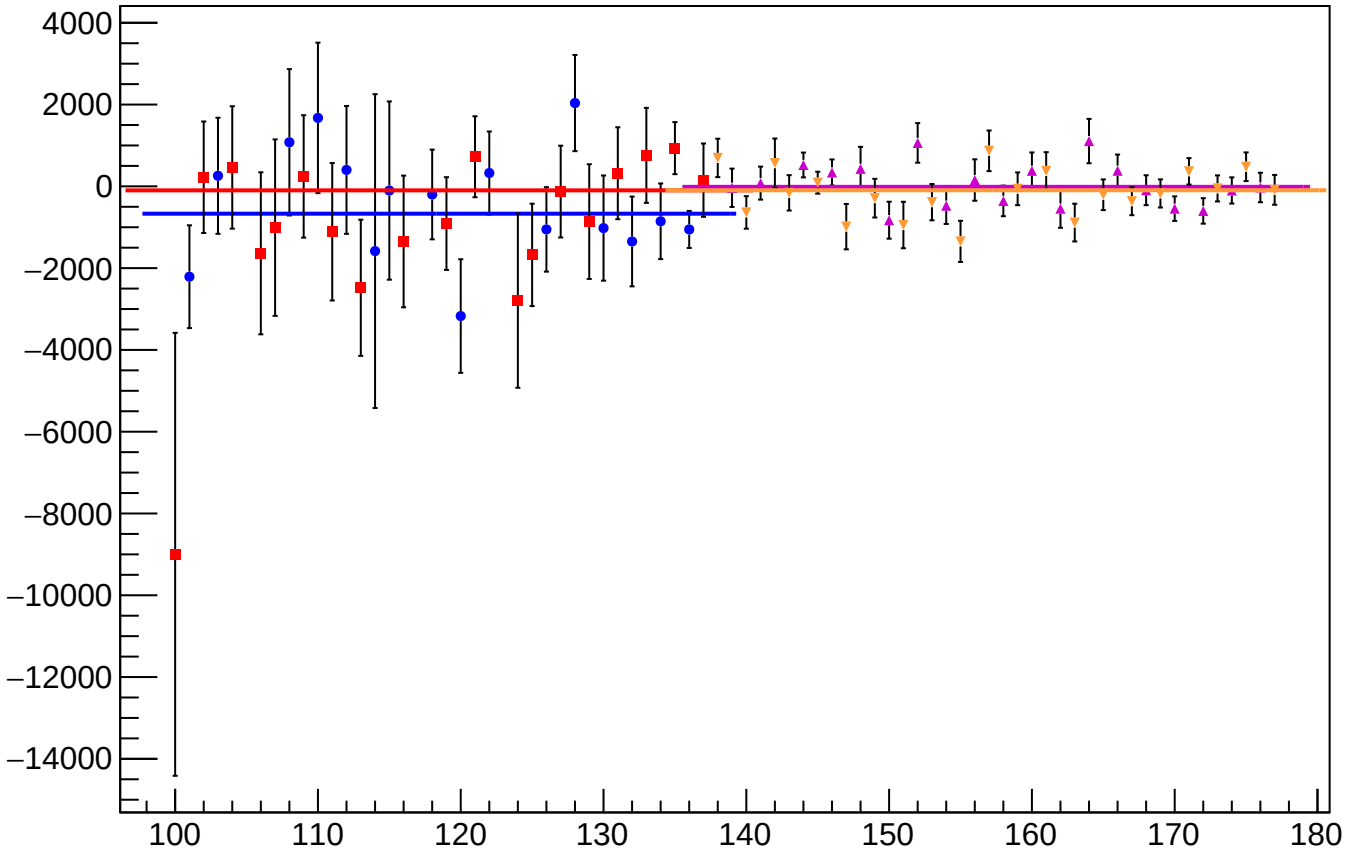
Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 351.097+/-0.064 χ^2/NDF:1081071.5/18

+ sign 386.154+/-0.060 χ^2/NDF: 5718871.6/36

All: 386.686+/-0.043 χ^2/NDF: 11721867.3/74

- sign 387.250+/-0.061 χ^2/NDF: 6002832.1/37



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -95.661+/-87.164 χ^2/NDF:31.3/20

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

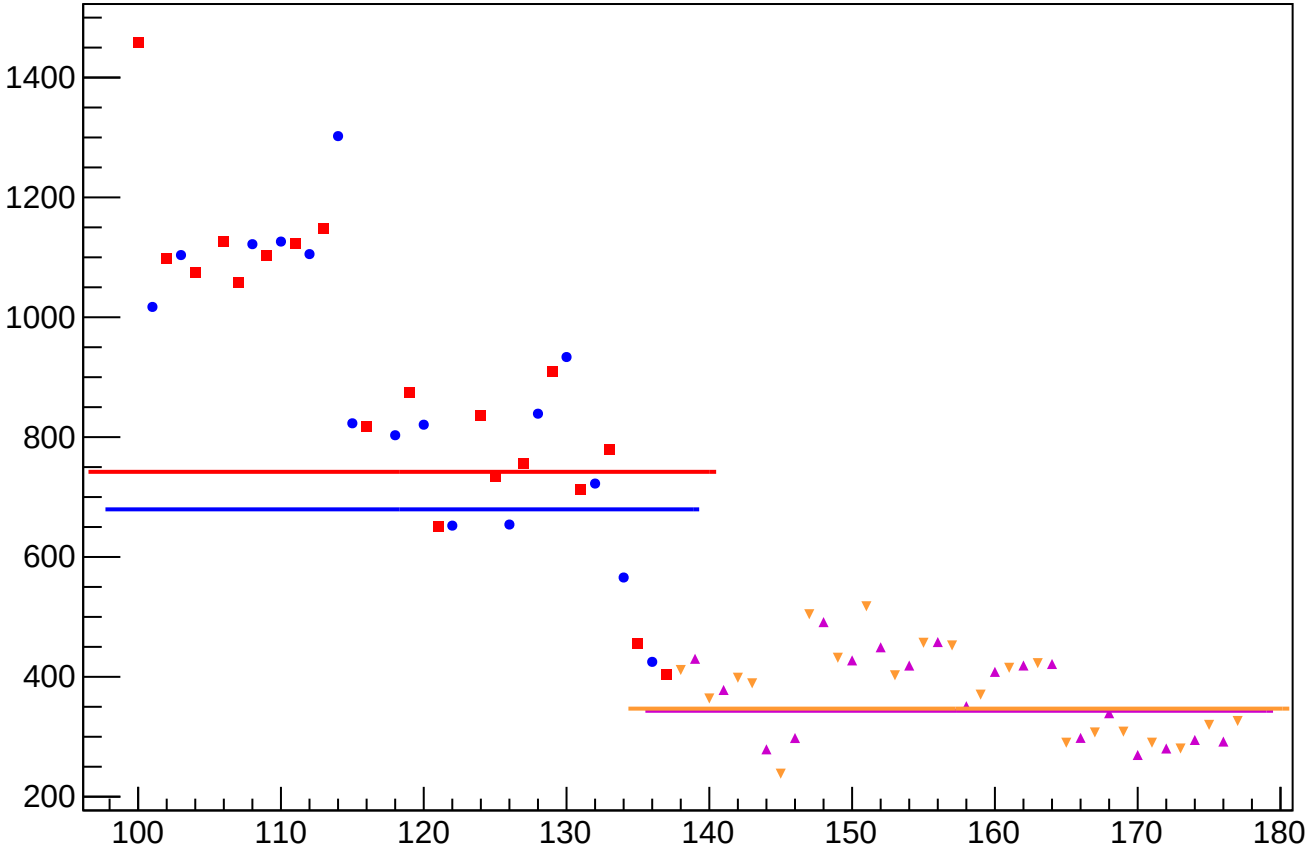
Left In: -11.839+/-89.200 χ^2/NDF:29.4/18

+ sign -150.294+/-82.904 χ^2/NDF: 51.5/36

All: -86.638+/-59.401 χ^2/NDF: 97.0/74

- sign -19.483+/-85.152 χ^2/NDF: 44.3/37

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 346.957+/-0.062 χ^2/NDF:1396124.4/20

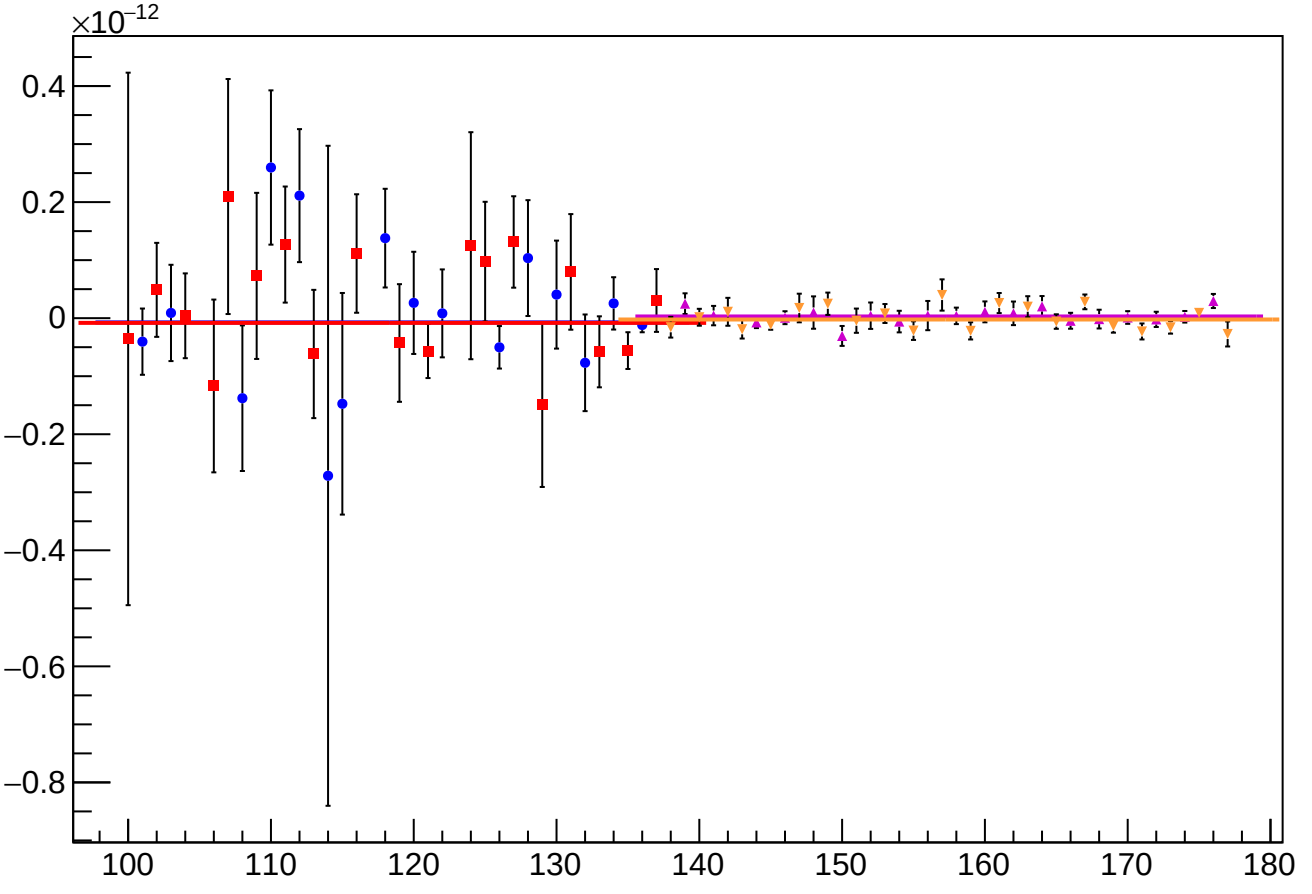
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 343.377+/-0.063 χ^2/NDF:1141370.1/18

+ sign 378.669+/-0.059 χ^2/NDF: 5772800.1/36

All: 378.708+/-0.042 χ^2/NDF: 11963511.1/74

- sign 378.750+/-0.060 χ^2/NDF: 6190710.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.8/20

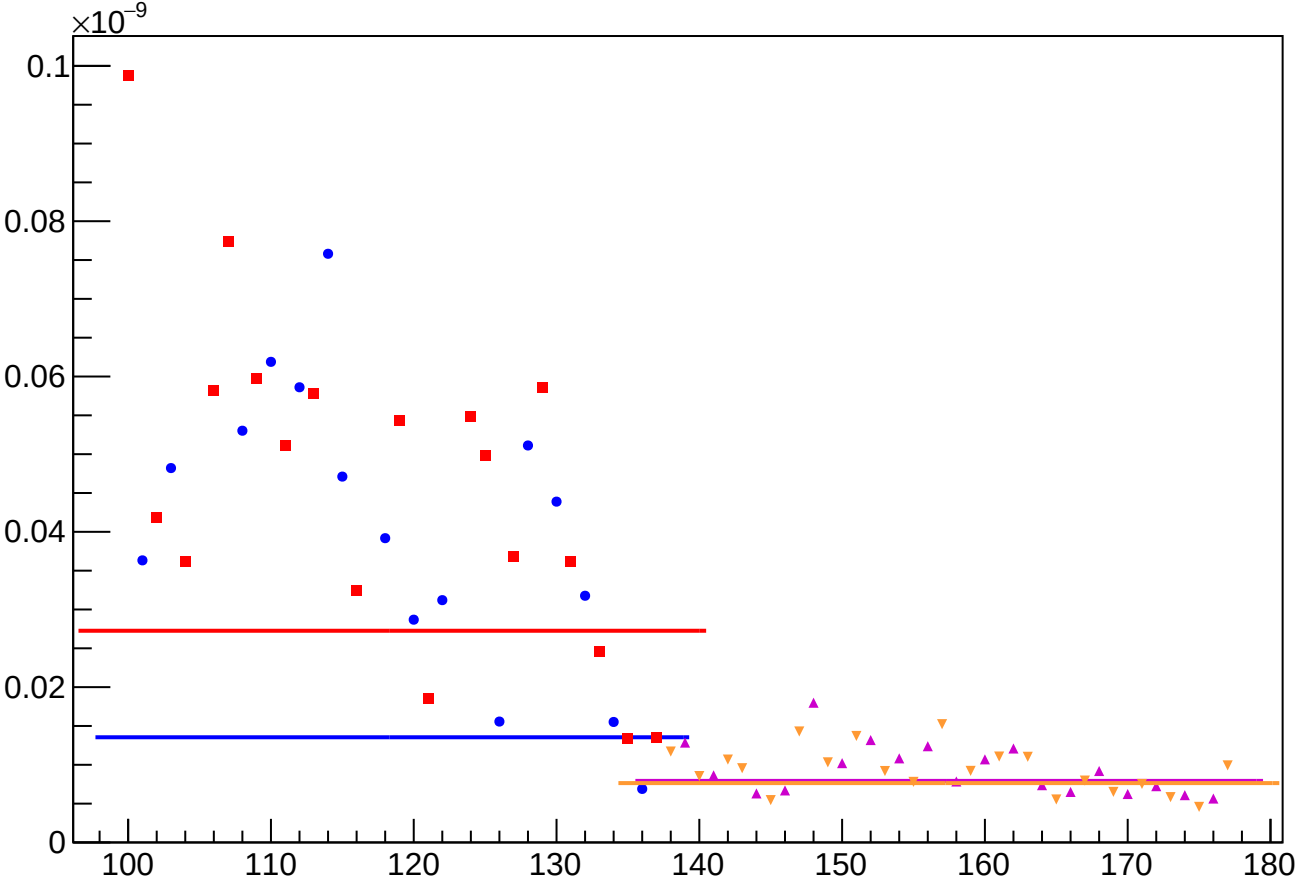
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 47.2/36

All: -0.000+/-0.000 χ^2/NDF: 79.4/74

- sign 0.000+/-0.000 χ^2/NDF: 30.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1447708.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

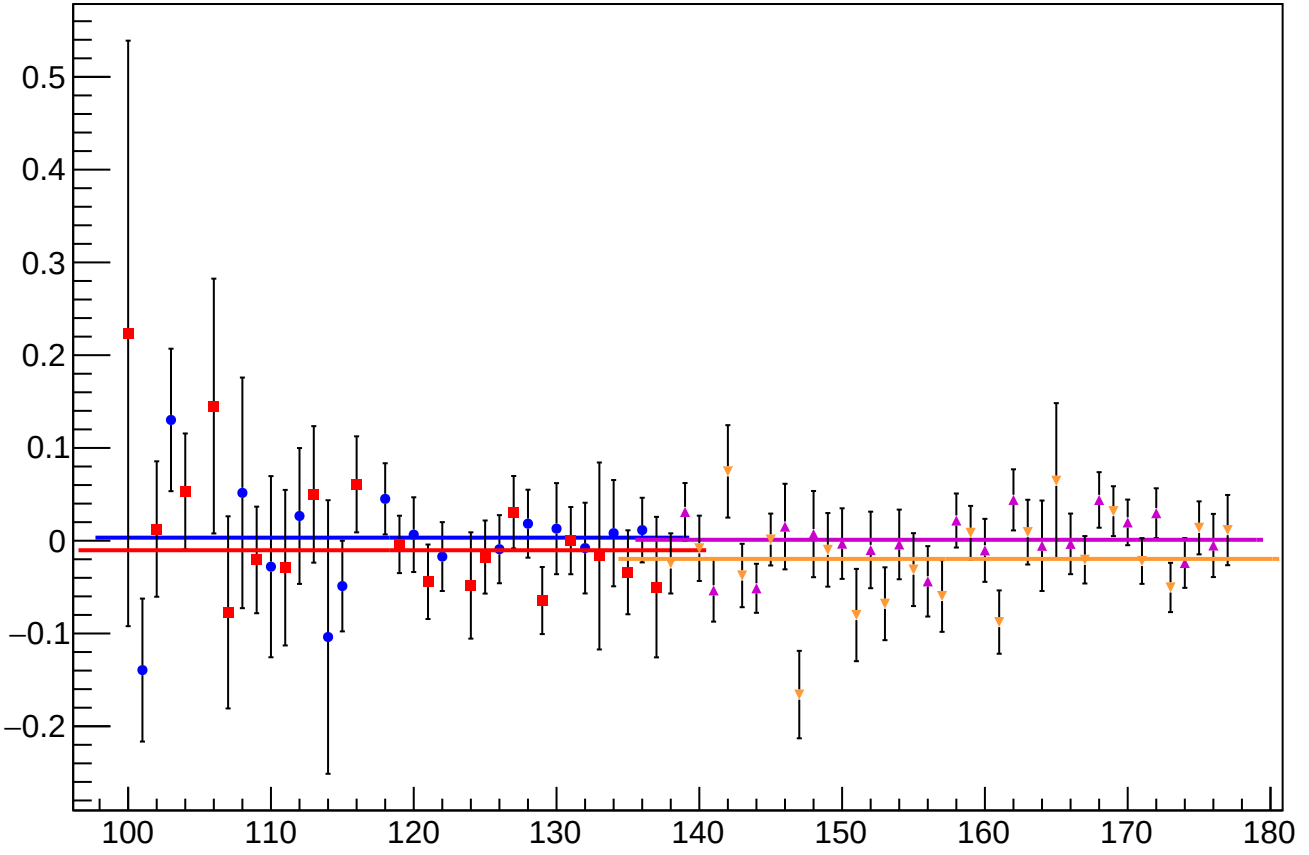
Left In: 0.000+/-0.000 χ^2/NDF:1107490.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 5078906.1/36

All: 0.000+/-0.000 χ^2/NDF: 10352075.8/74

- sign 0.000+/-0.000 χ^2/NDF: 5247434.2/37

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:32.1/20

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

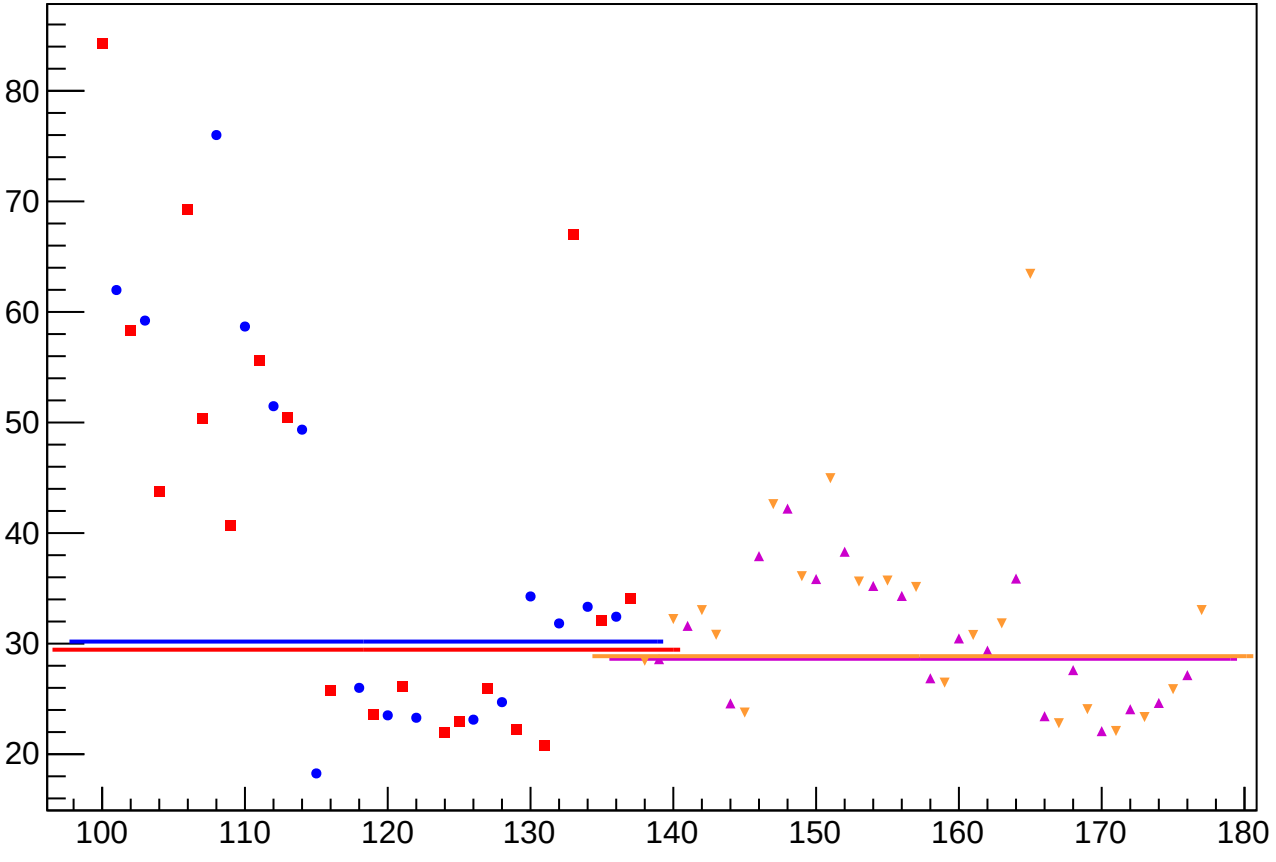
Left In: 0.001+/-0.008 χ^2/NDF:16.1/18

+ sign -0.014+/-0.006 χ^2/NDF: 44.7/36

All: -0.008+/-0.004 χ^2/NDF: 74.4/74

- sign -0.002+/-0.006 χ^2/NDF: 28.0/37

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: 28.865+/-0.005 χ^2/NDF:1558253.2/20

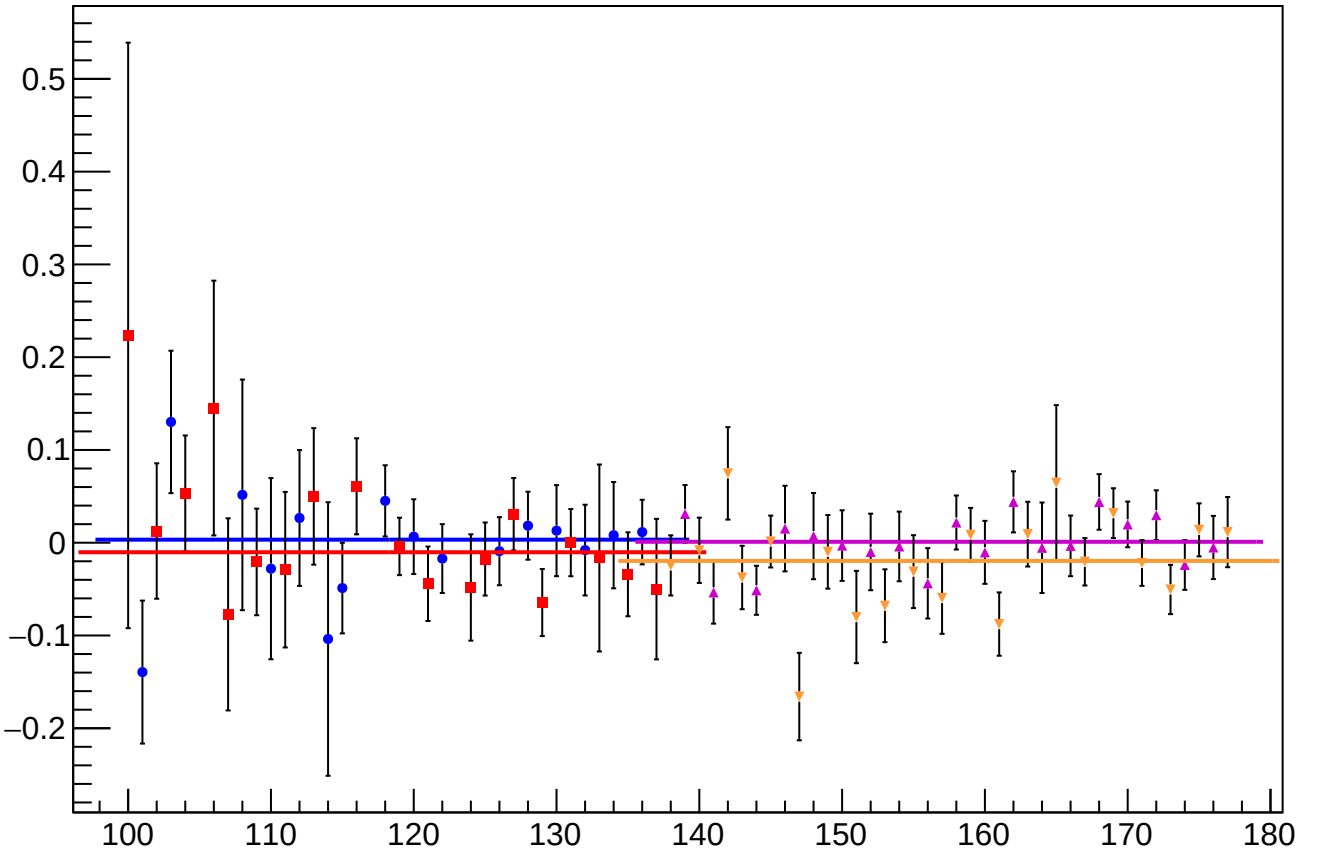
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.632+/-0.005 χ^2/NDF:961431.9/18

+ sign 29.212+/-0.004 χ^2/NDF: 3262717.3/36

All: 29.041+/-0.003 χ^2/NDF: 6082601.8/74

- sign 28.868+/-0.004 χ^2/NDF: 2816923.2/37



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:32.1/20

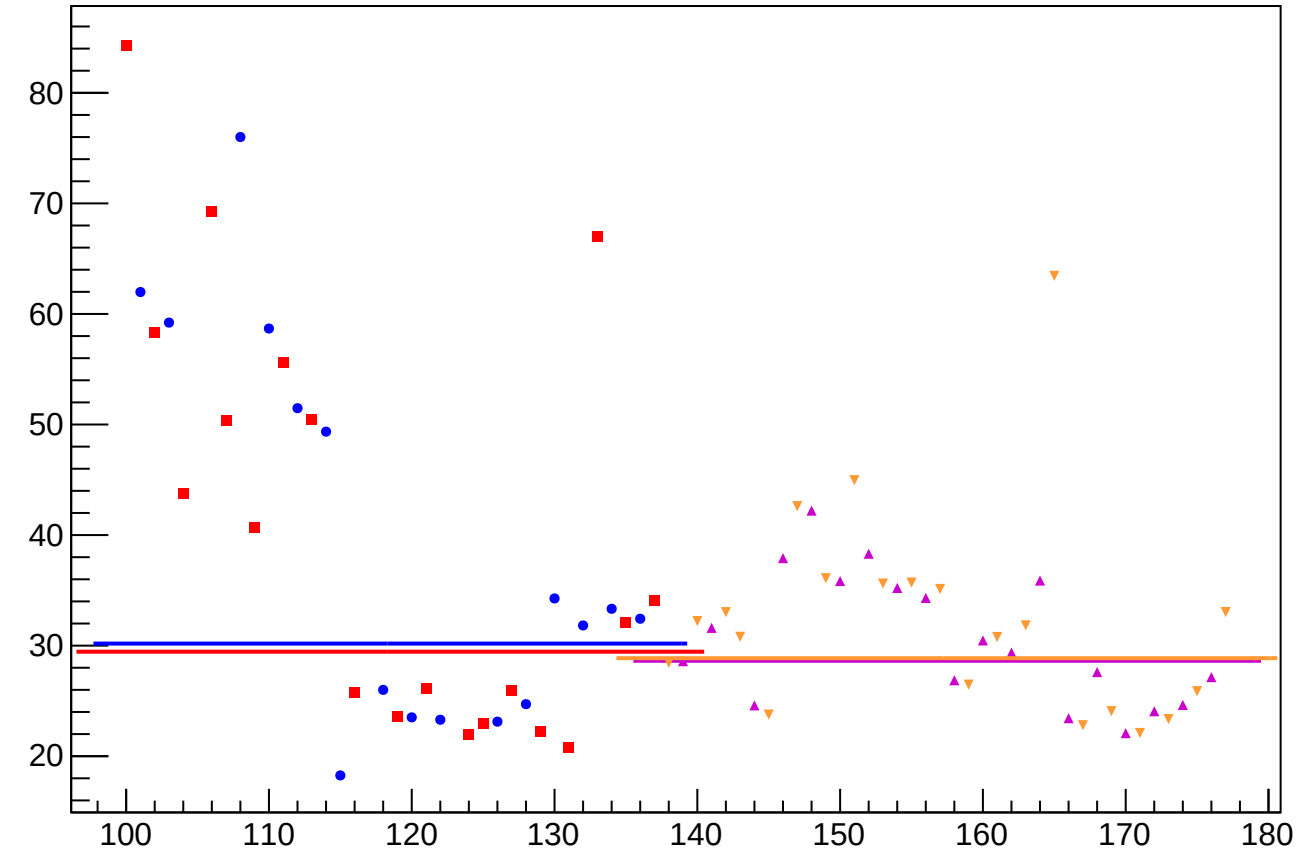
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/18

+ sign -0.014+/-0.006 χ^2/NDF: 44.7/36

All: -0.008+/-0.004 χ^2/NDF: 74.4/74

- sign -0.002+/-0.006 χ^2/NDF: 28.0/37



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.865+/-0.005 χ^2/NDF:1558253.2/20

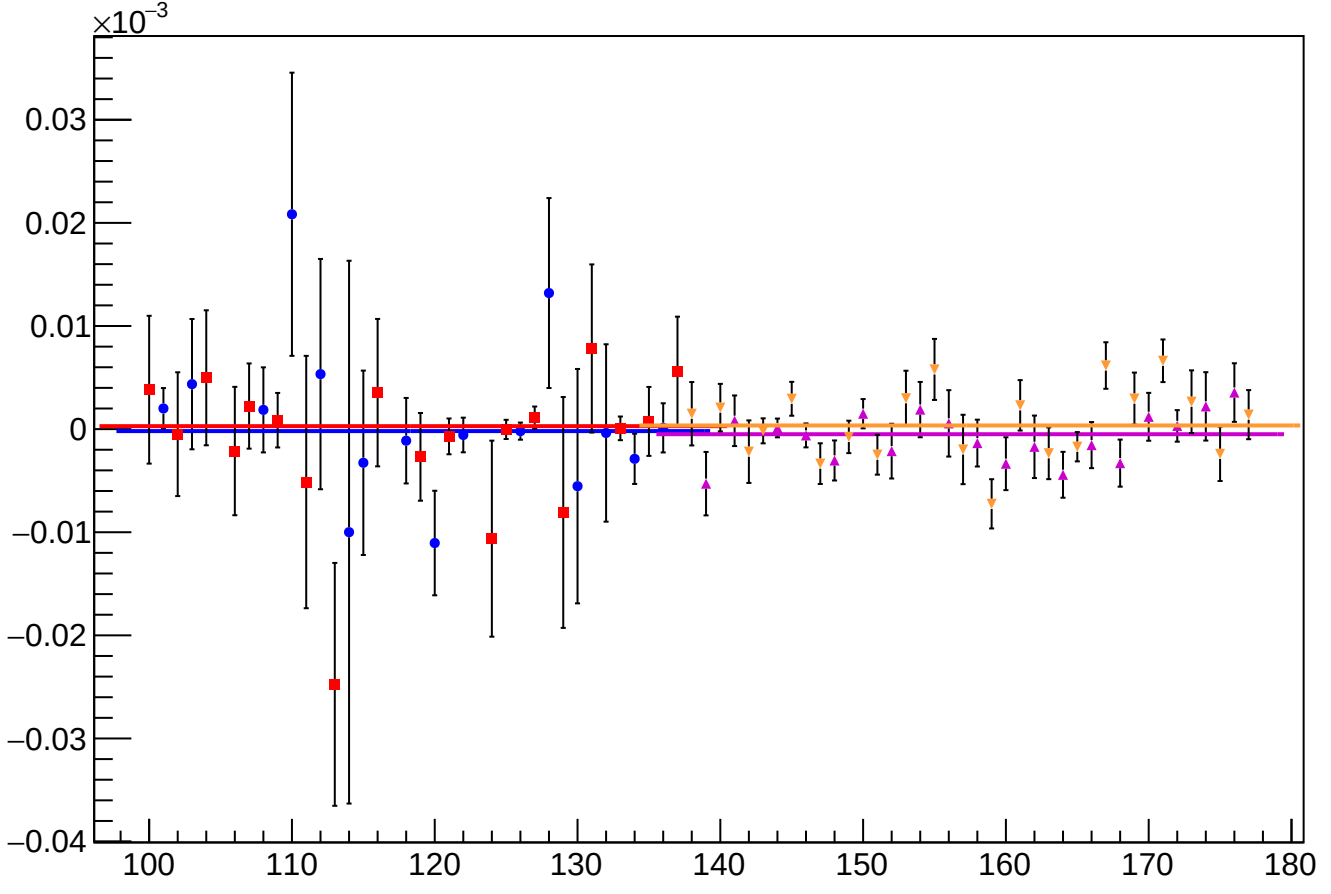
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.632+/-0.005 χ^2/NDF:961431.9/18

+ sign 29.212+/-0.004 χ^2/NDF: 3262717.3/36

All: 29.041+/-0.003 χ^2/NDF: 6082601.8/74

- sign 28.868+/-0.004 χ^2/NDF: 2816923.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.9/20

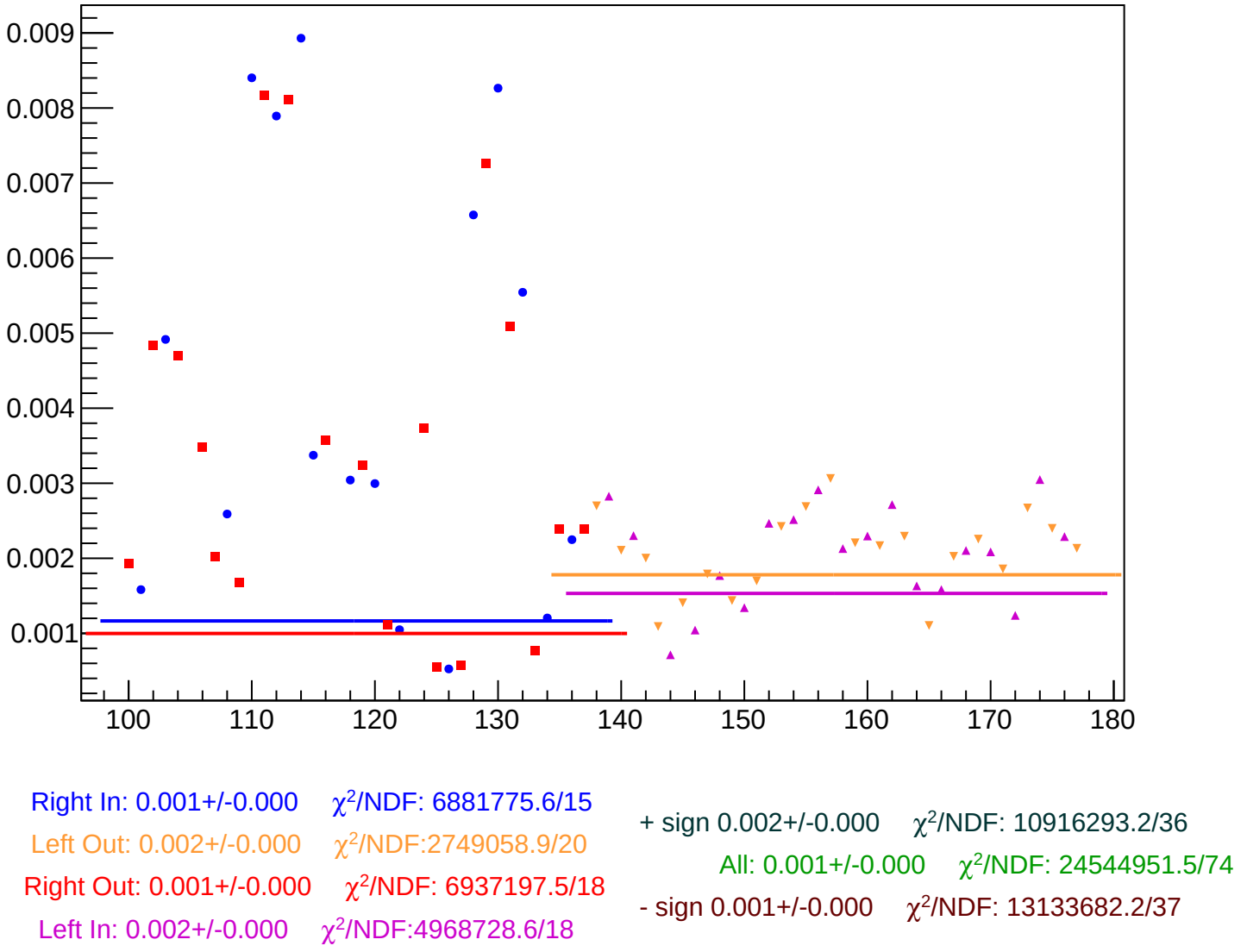
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

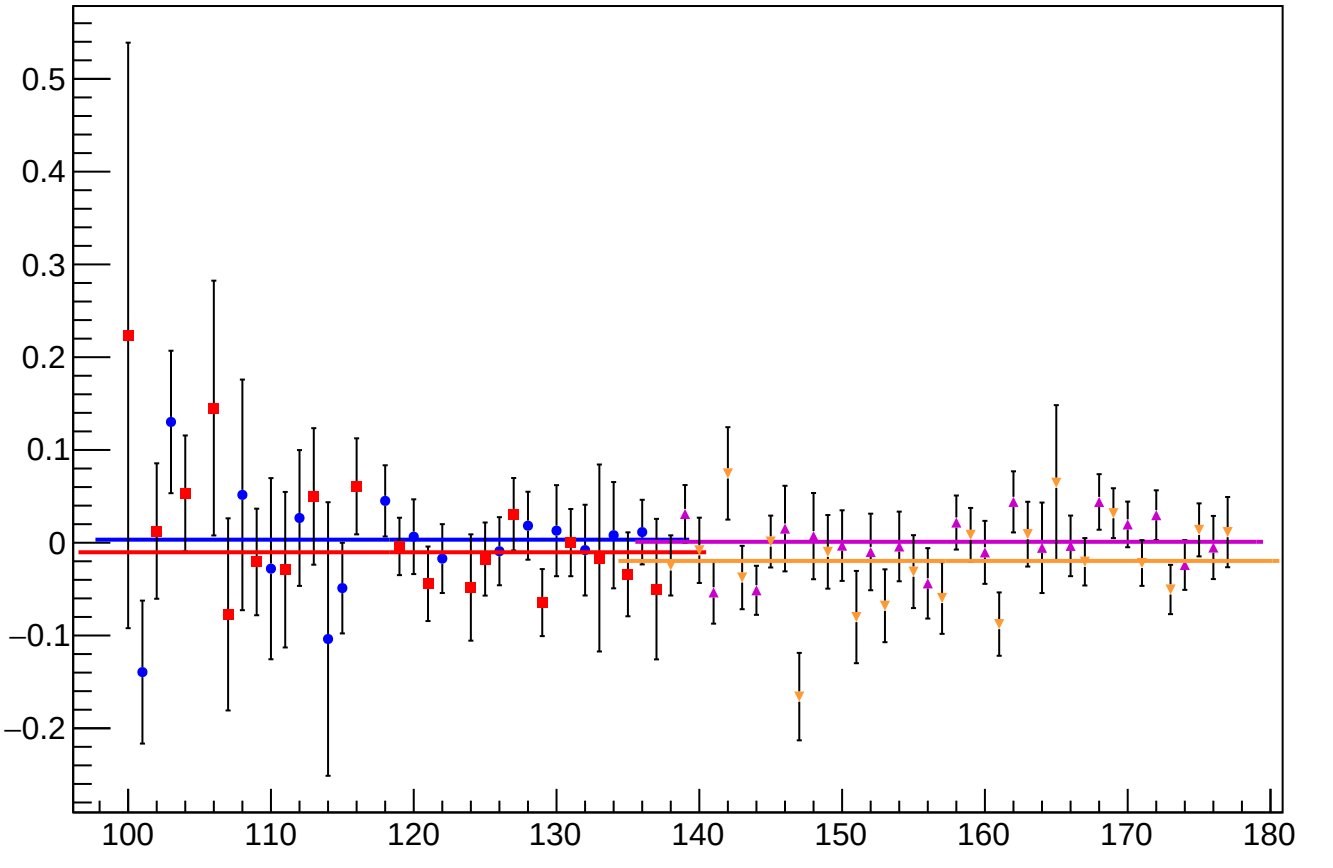
Left In: -0.000+/-0.000 χ^2/NDF:18.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/36

All: -0.000+/-0.000 χ^2/NDF: 92.7/74

- sign -0.000+/-0.000 χ^2/NDF: 30.8/37


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2749058.9/20
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.002+/-0.000 χ²/NDF:4968728.6/18
+ sign 0.002+/-0.000 χ²/NDF: 10916293.2/36
All: 0.001+/-0.000 χ²/NDF: 24544951.5/74
- sign 0.001+/-0.000 χ²/NDF: 13133682.2/37



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:32.1/20

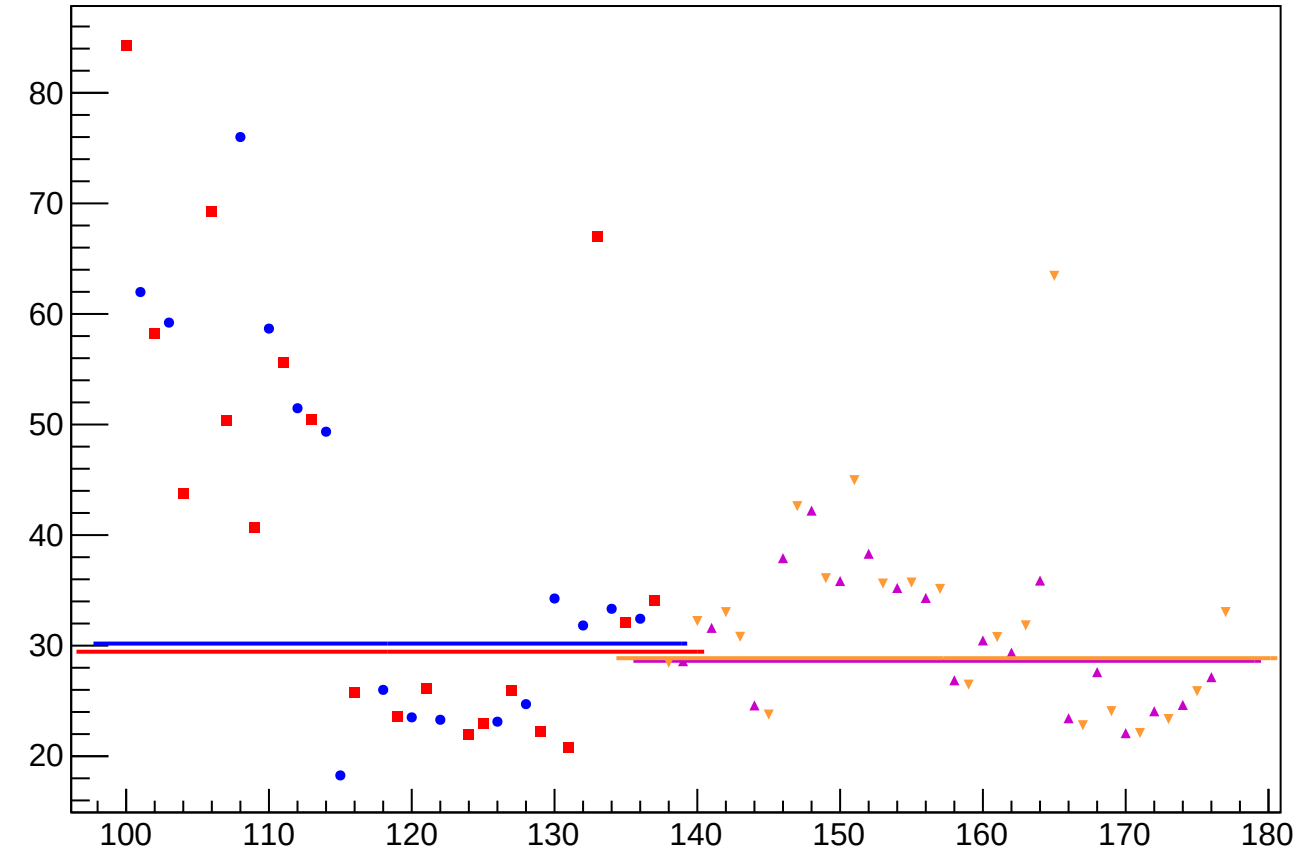
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/18

+ sign -0.014+/-0.006 χ^2/NDF: 44.7/36

All: -0.008+/-0.004 χ^2/NDF: 74.4/74

- sign -0.002+/-0.006 χ^2/NDF: 28.0/37



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.865+/-0.005 χ^2/NDF:1558225.4/20

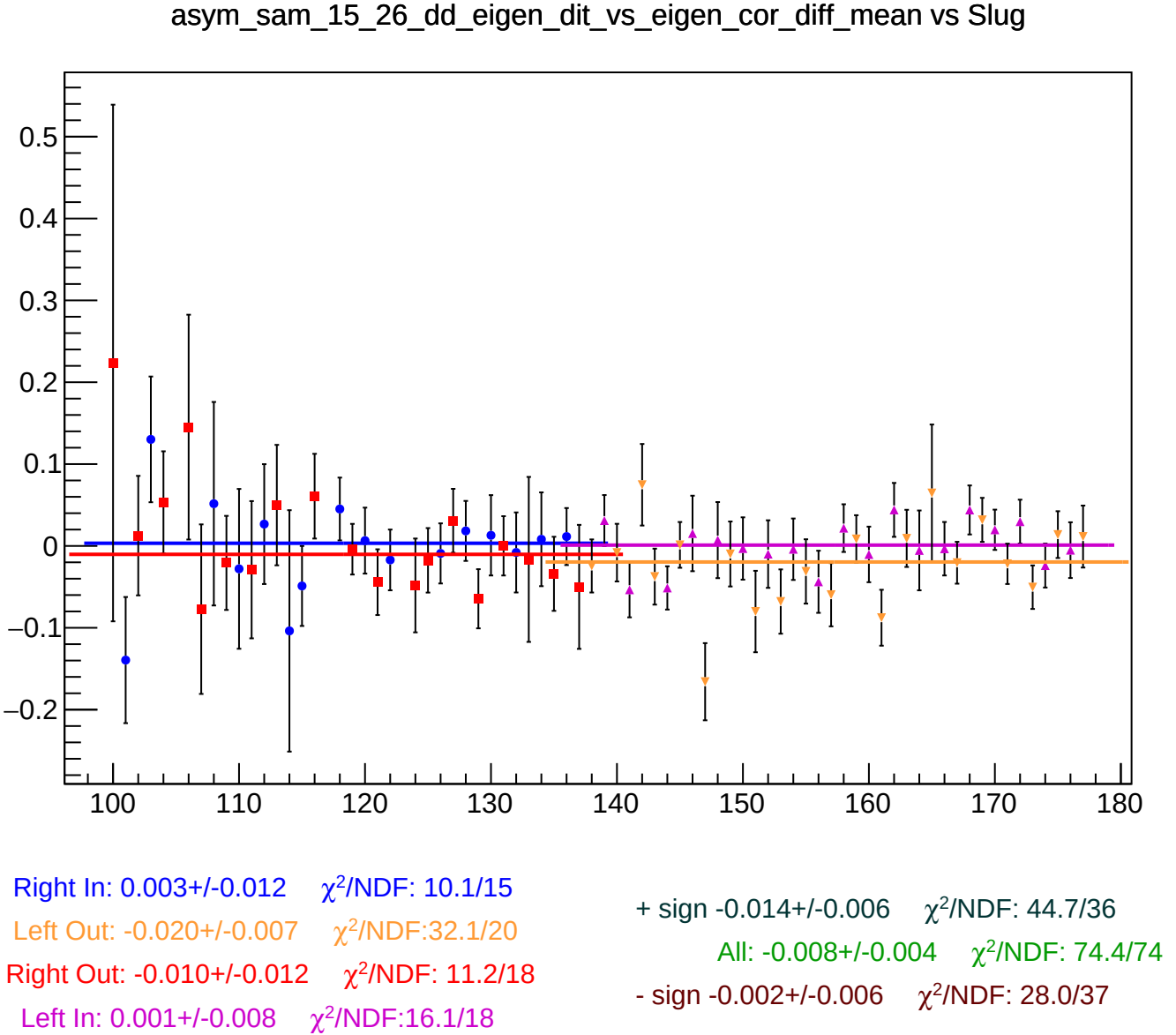
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.632+/-0.005 χ^2/NDF:961397.8/18

+ sign 29.212+/-0.004 χ^2/NDF: 3262502.7/36

All: 29.041+/-0.003 χ^2/NDF: 6082337.6/74

- sign 28.868+/-0.004 χ^2/NDF: 2816871.9/37


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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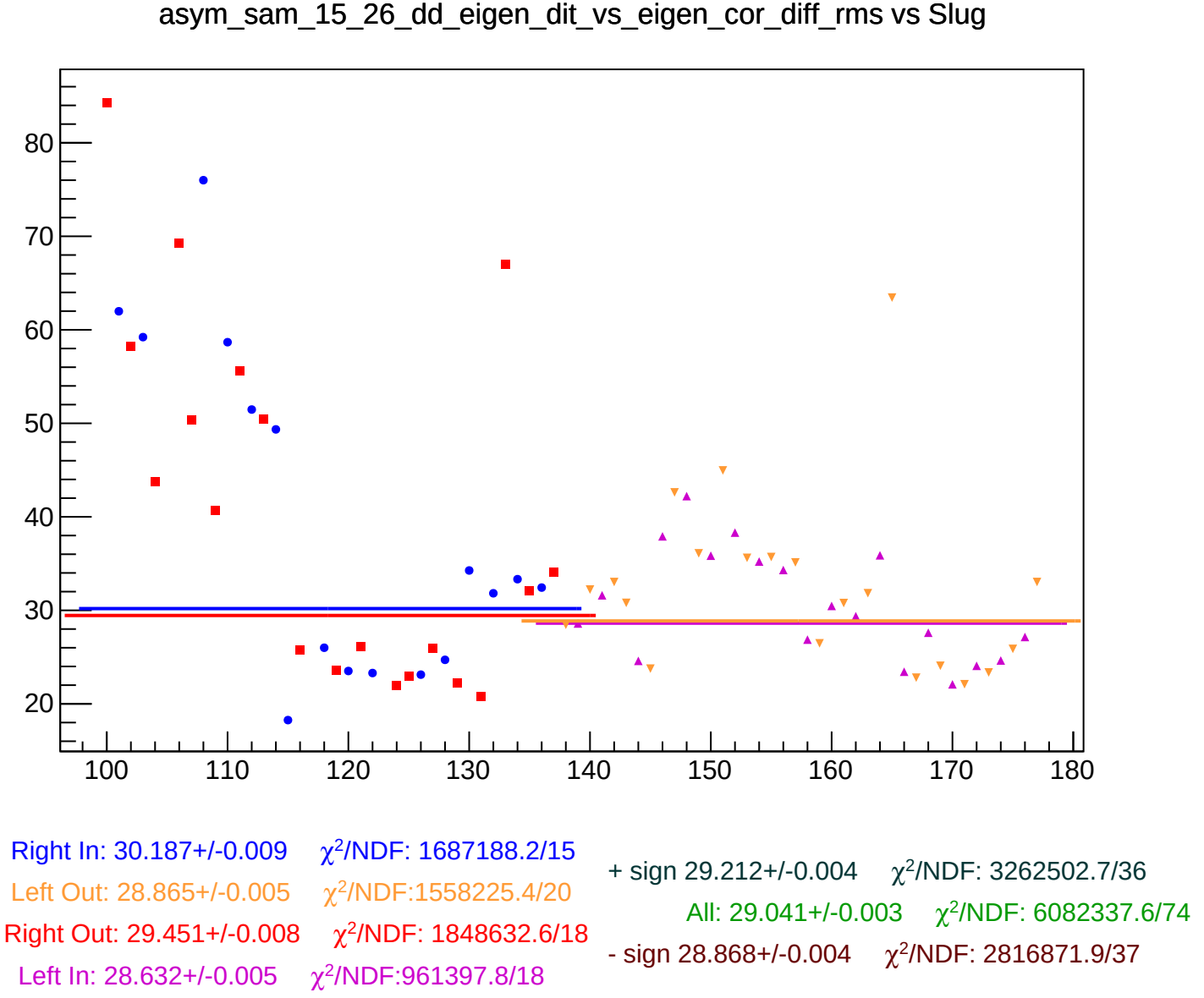
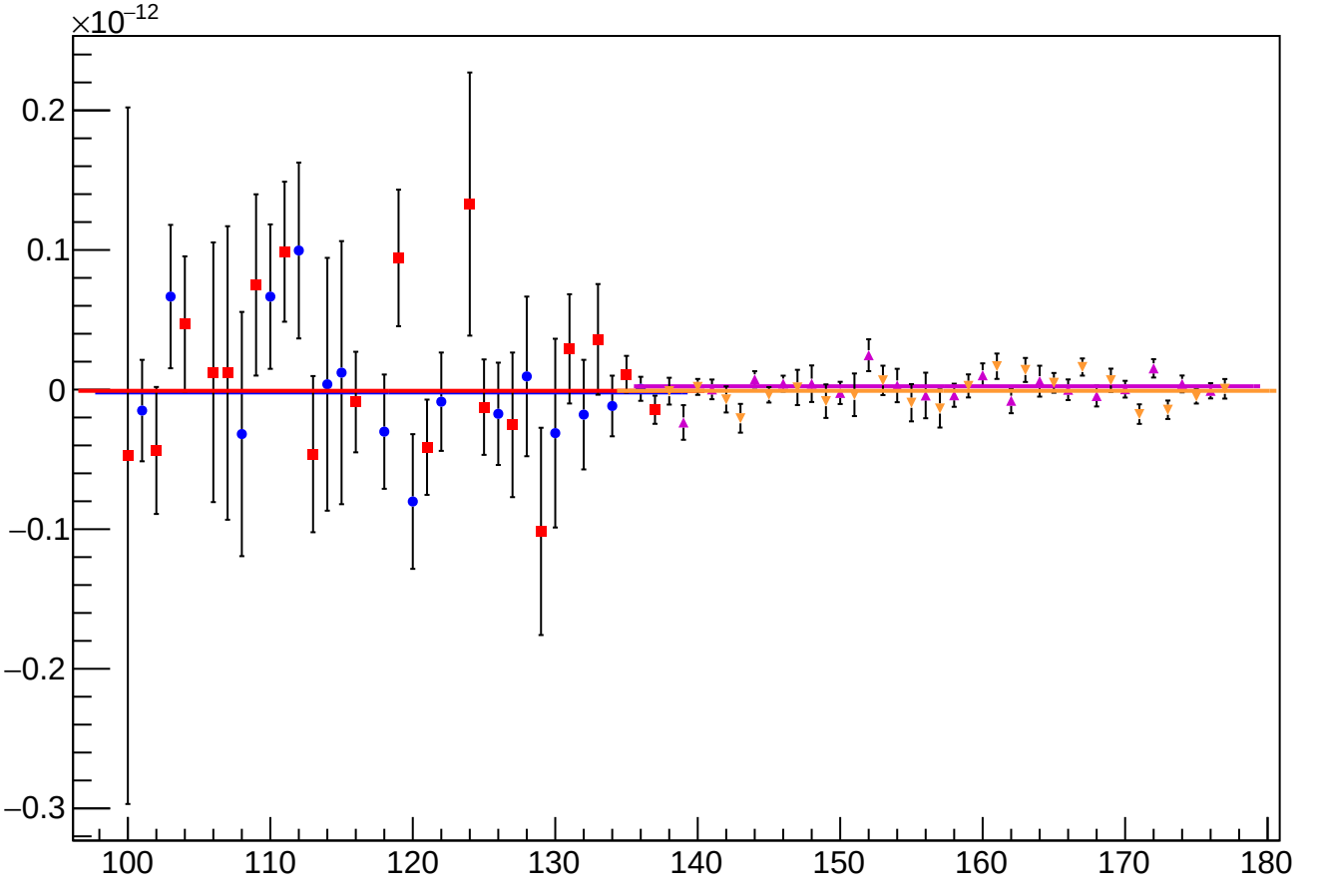
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.020+/-0.007 χ²/NDF:32.1/20
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.001+/-0.008 χ²/NDF:16.1/18
+ sign -0.014+/-0.006 χ²/NDF: 44.7/36
All: -0.008+/-0.004 χ²/NDF: 74.4/74
- sign -0.002+/-0.006 χ²/NDF: 28.0/37


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 28.865+/-0.005 χ²/NDF:1558225.4/20
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 28.632+/-0.005 χ²/NDF:961397.8/18
+ sign 29.212+/-0.004 χ²/NDF: 3262502.7/36
All: 29.041+/-0.003 χ²/NDF: 6082337.6/74
- sign 28.868+/-0.004 χ²/NDF: 2816871.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/20

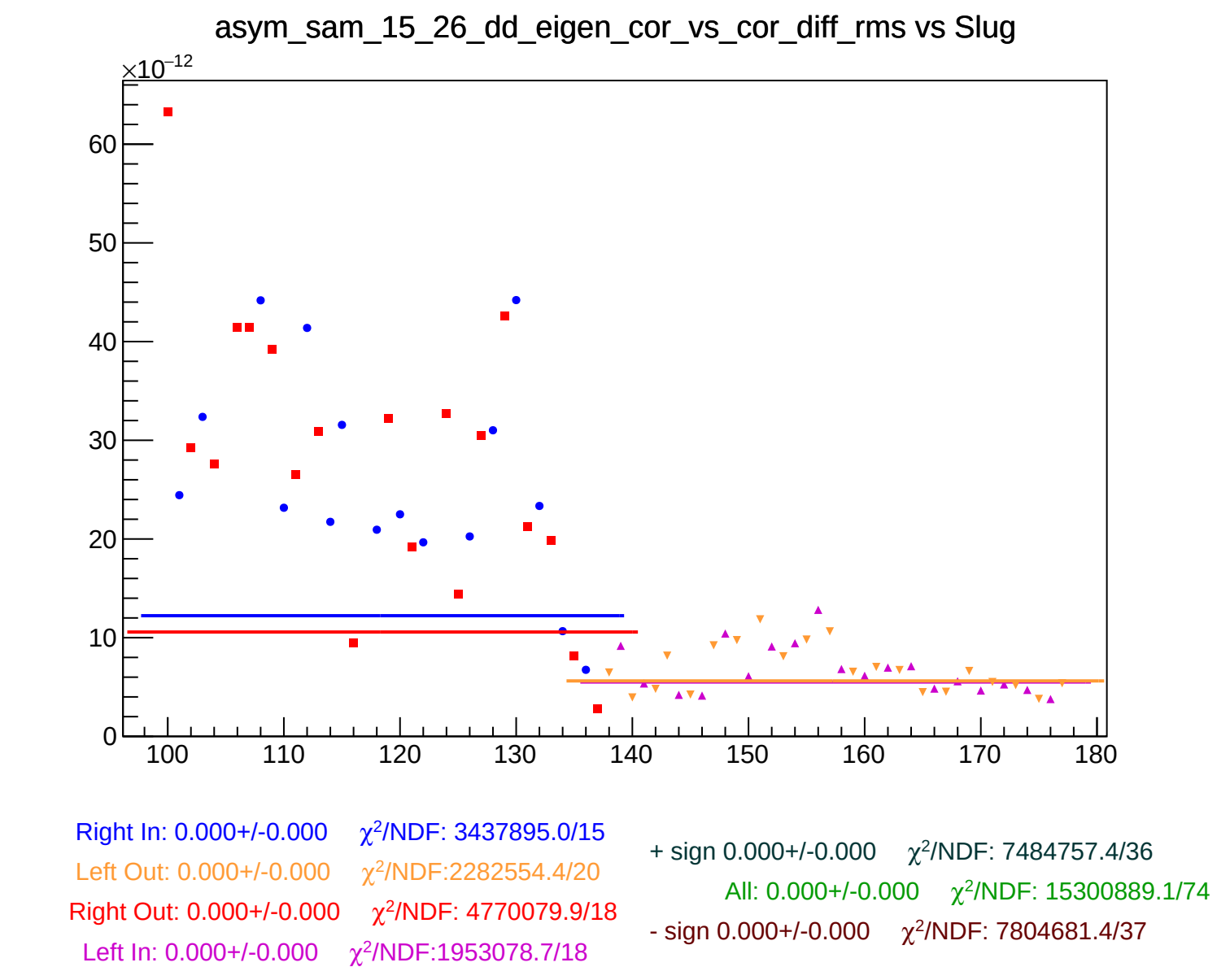
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.9/18

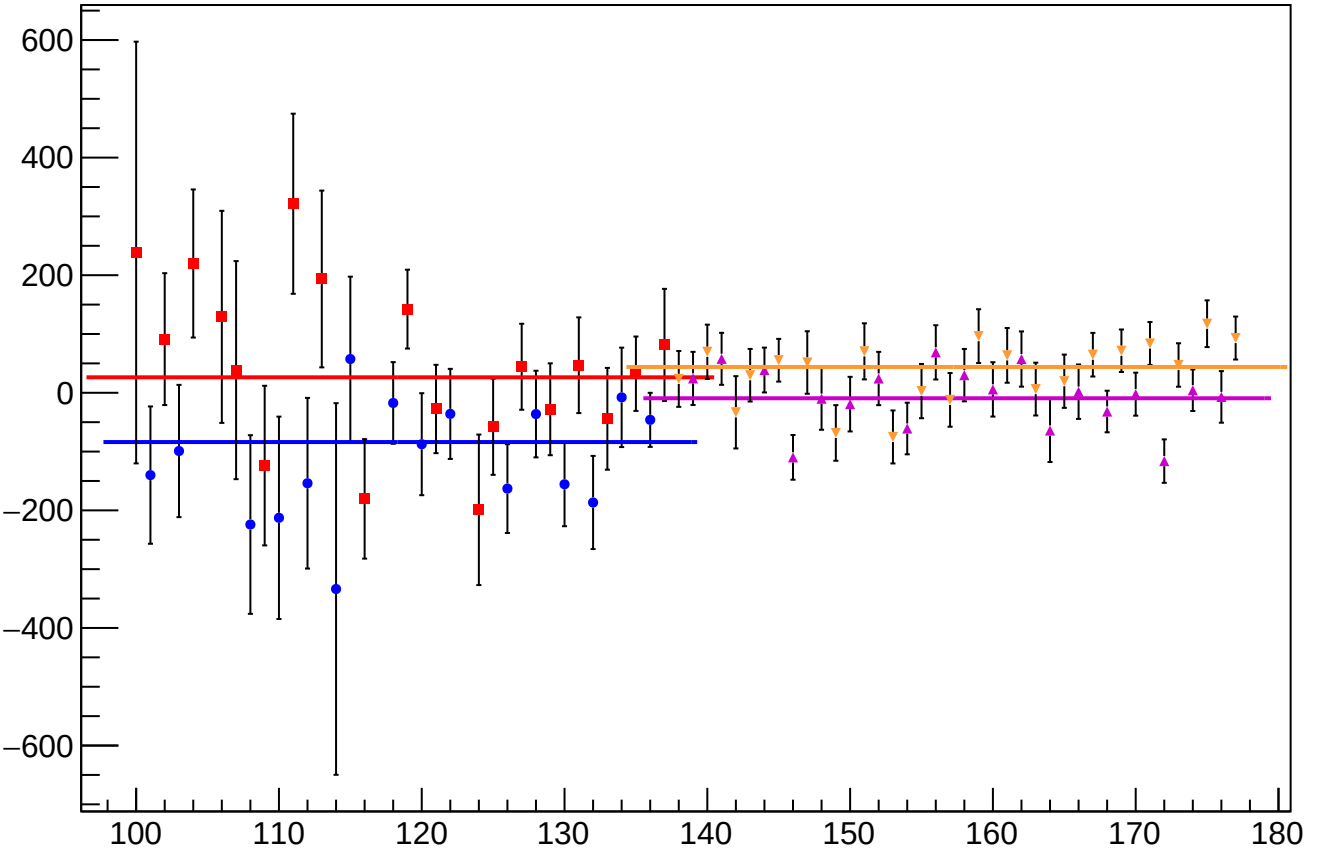
+ sign -0.000+/-0.000 χ^2/NDF: 43.9/36

All: 0.000+/-0.000 χ^2/NDF: 85.1/74

- sign 0.000+/-0.000 χ^2/NDF: 39.5/37


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:2282554.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:1953078.7/18
+ sign 0.000+/-0.000 χ²/NDF: 7484757.4/36
All: 0.000+/-0.000 χ²/NDF: 15300889.1/74
- sign 0.000+/-0.000 χ²/NDF: 7804681.4/37

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 43.887+/-9.368 χ^2/NDF:27.3/20

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

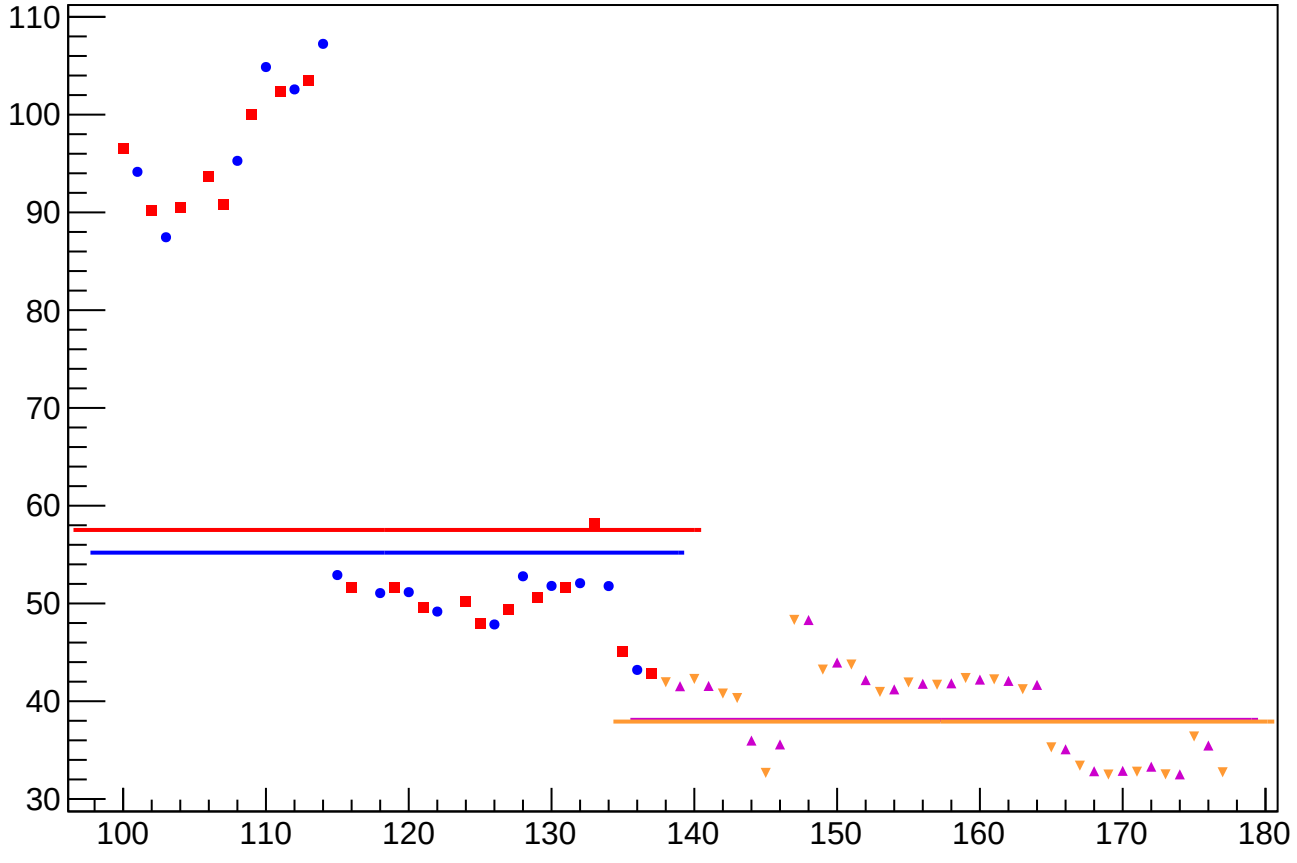
Left In: -9.316+/-9.750 χ^2/NDF:29.2/18

+ sign 23.409+/-8.584 χ^2/NDF: 67.7/36

All: 10.470+/-6.185 χ^2/NDF: 126.8/74

- sign -3.498+/-8.919 χ^2/NDF: 54.4/37

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 37.919+/-0.007 χ^2/NDF:507175.5/20

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

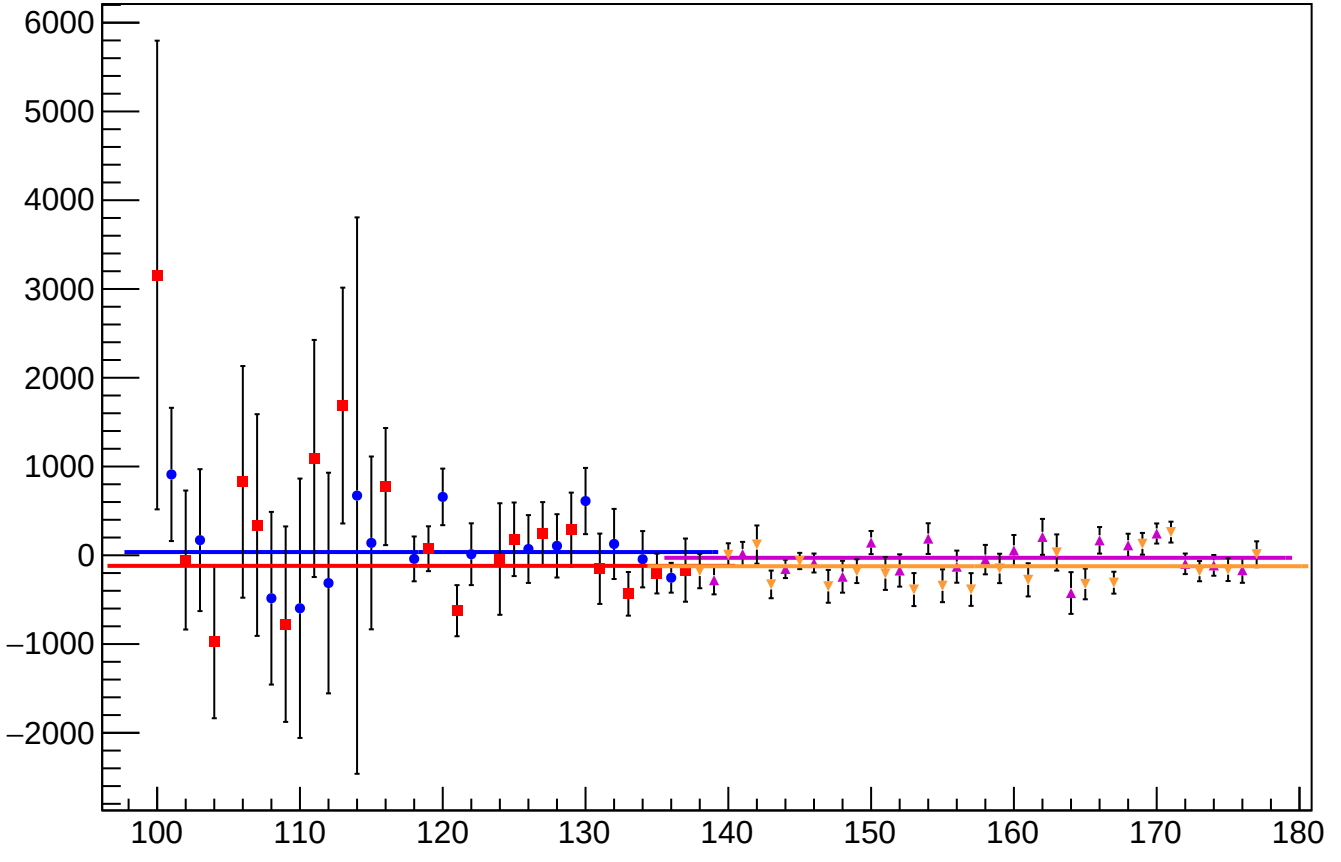
Left In: 38.096+/-0.007 χ^2/NDF:421320.1/18

+ sign 40.690+/-0.006 χ^2/NDF: 2750985.0/36

All: 40.968+/-0.004 χ^2/NDF: 5754867.3/74

- sign 41.269+/-0.006 χ^2/NDF: 2999511.7/37

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -123.222+/-31.930 χ^2/NDF:32.7/20

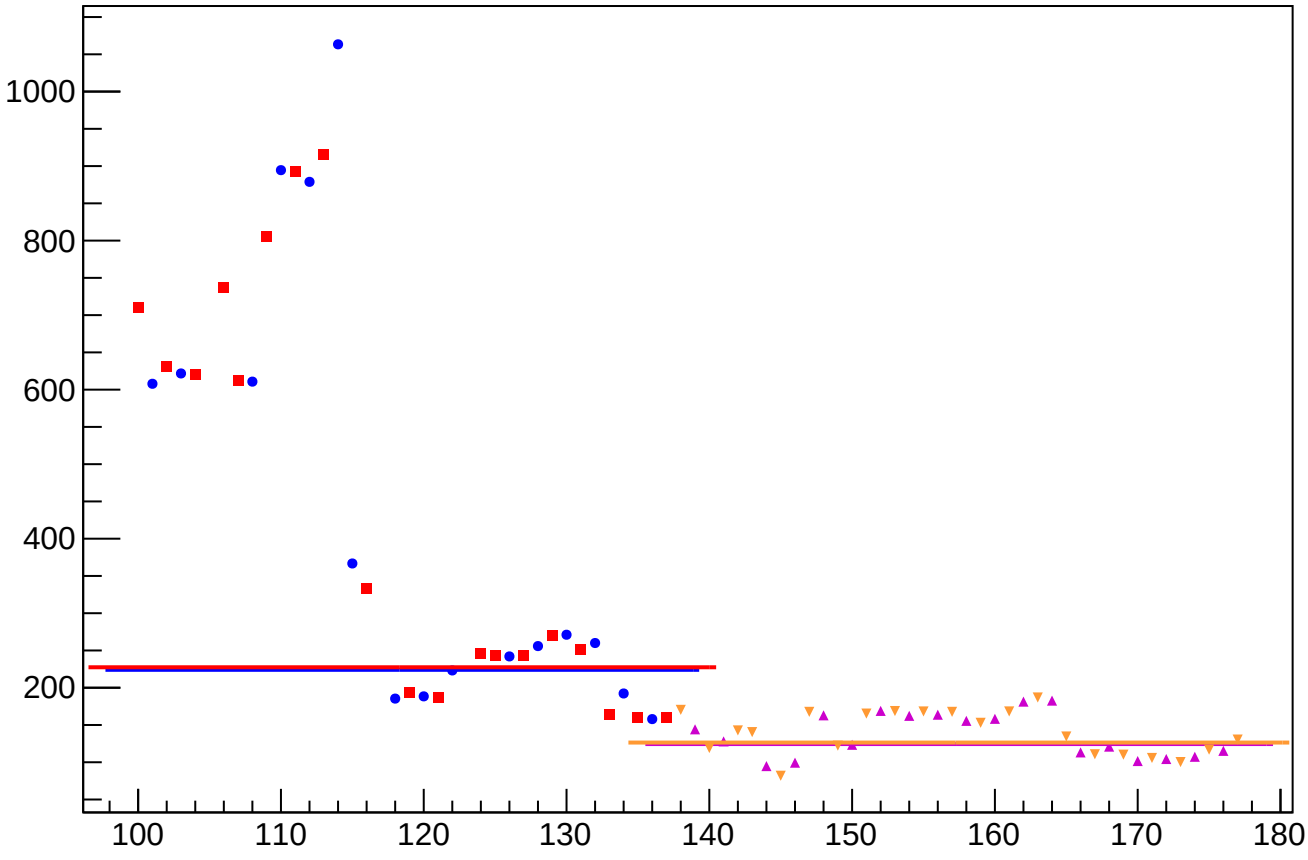
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -28.389+/-32.473 χ^2/NDF:25.0/18

+ sign -106.579+/-30.219 χ^2/NDF: 46.7/36

All: -72.764+/-21.555 χ^2/NDF: 91.1/74

- sign -37.739+/-30.755 χ^2/NDF: 41.8/37



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.430+/-0.023 χ^2/NDF:1682638.1/20

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

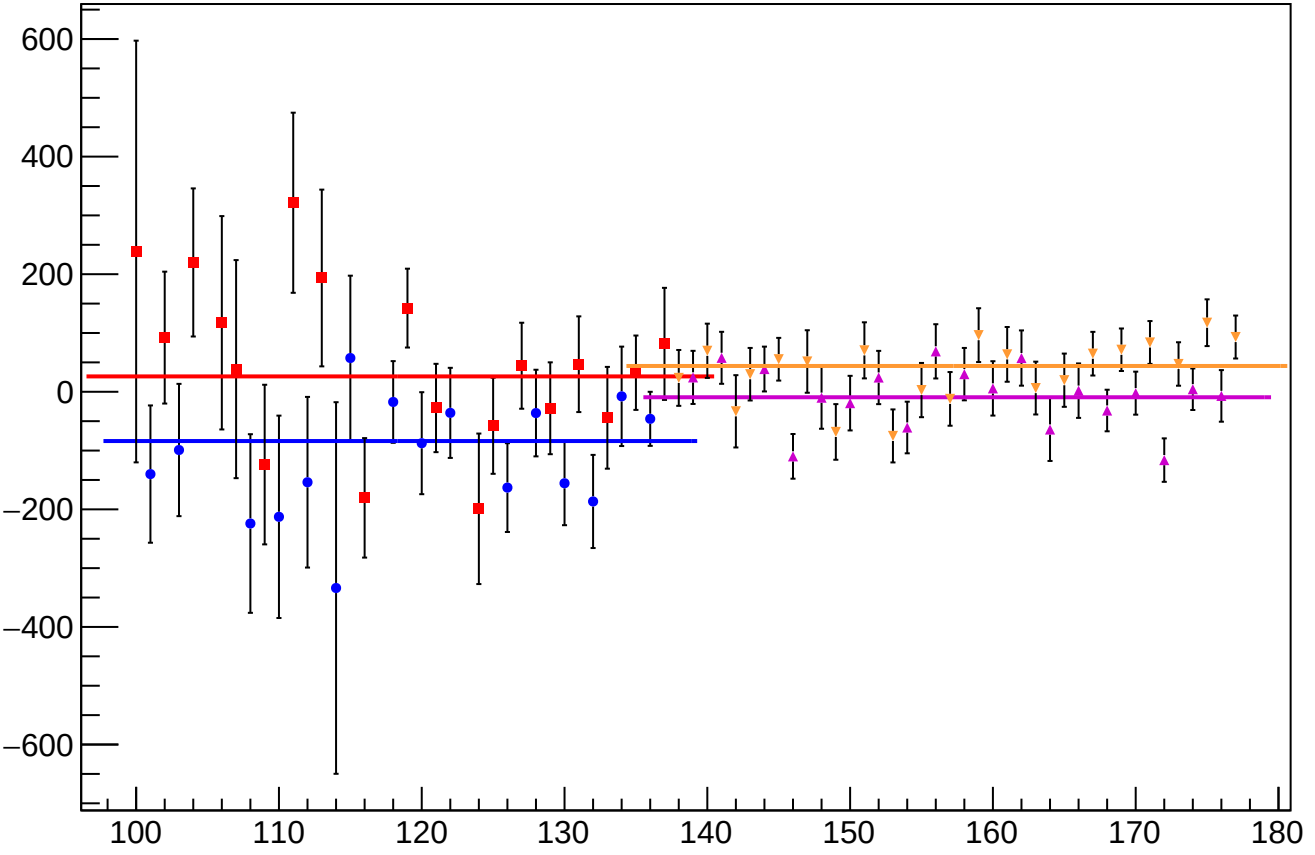
Left In: 124.412+/-0.023 χ^2/NDF:1338698.4/18

+ sign 136.612+/-0.021 χ^2/NDF: 6600457.4/36

All: 135.832+/-0.015 χ^2/NDF: 13656424.0/74

- sign 135.024+/-0.022 χ^2/NDF: 7053253.8/37

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 43.889+/-9.368 χ^2/NDF:27.3/20

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

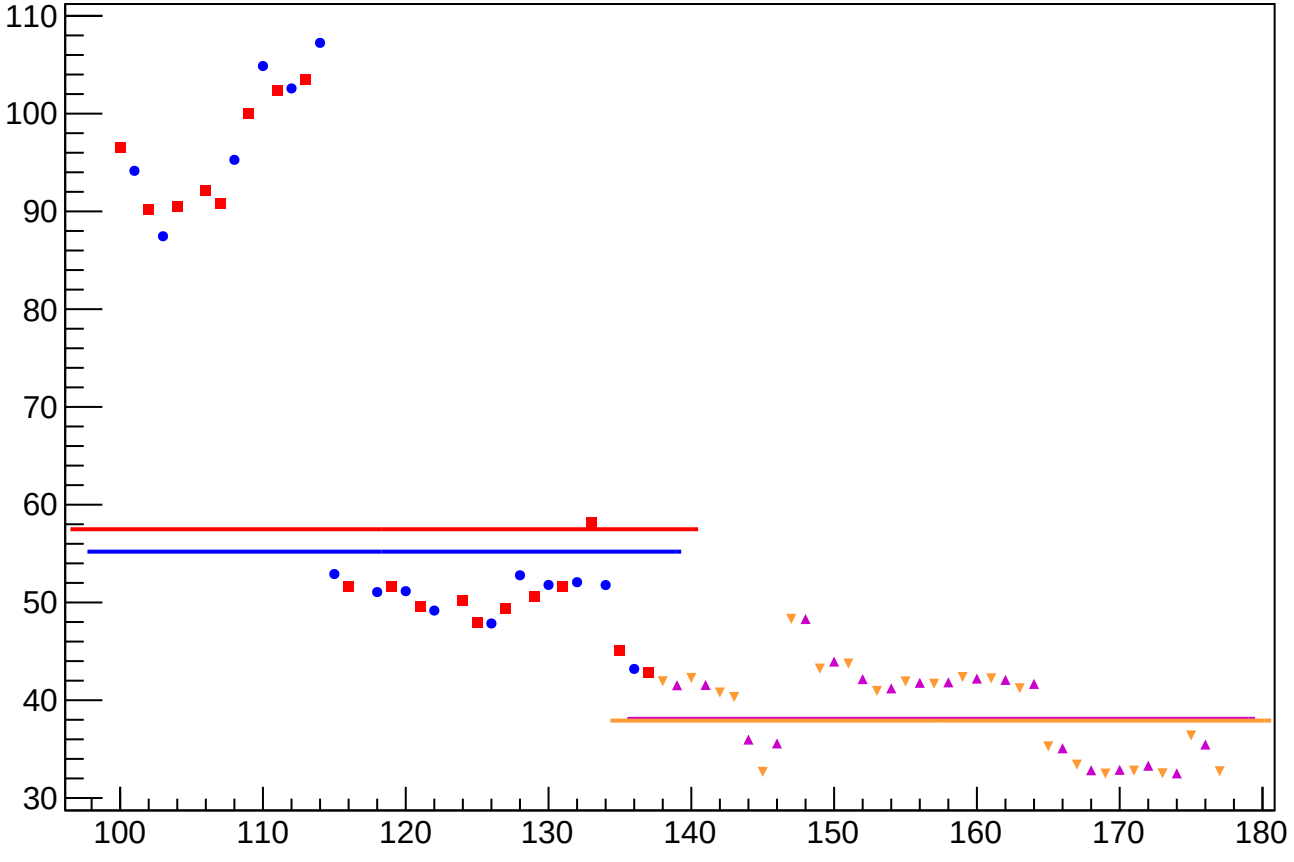
Left In: -9.316+/-9.750 χ^2/NDF:29.2/18

+ sign 23.411+/-8.584 χ^2/NDF: 67.7/36

All: 10.458+/-6.185 χ^2/NDF: 126.7/74

- sign -3.525+/-8.919 χ^2/NDF: 54.3/37

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.919+/-0.007 χ^2/NDF:507175.5/20

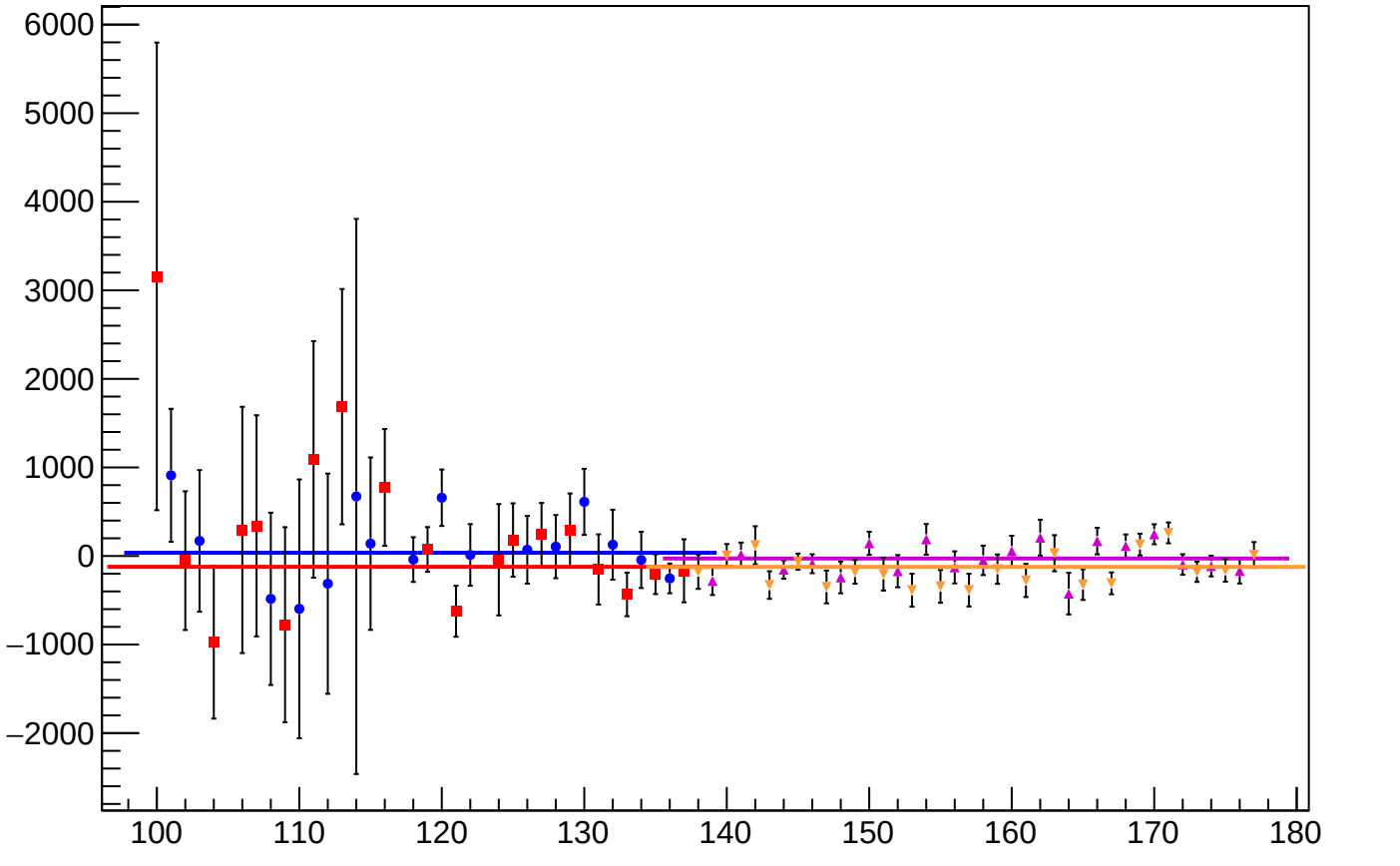
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.096+/-0.007 χ^2/NDF:421320.0/18

+ sign 40.690+/-0.006 χ^2/NDF: 2750985.2/36

All: 40.966+/-0.004 χ^2/NDF: 5743323.7/74

- sign 41.263+/-0.006 χ^2/NDF: 2988046.6/37



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -123.223+/-31.930 χ^2/NDF:32.7/20

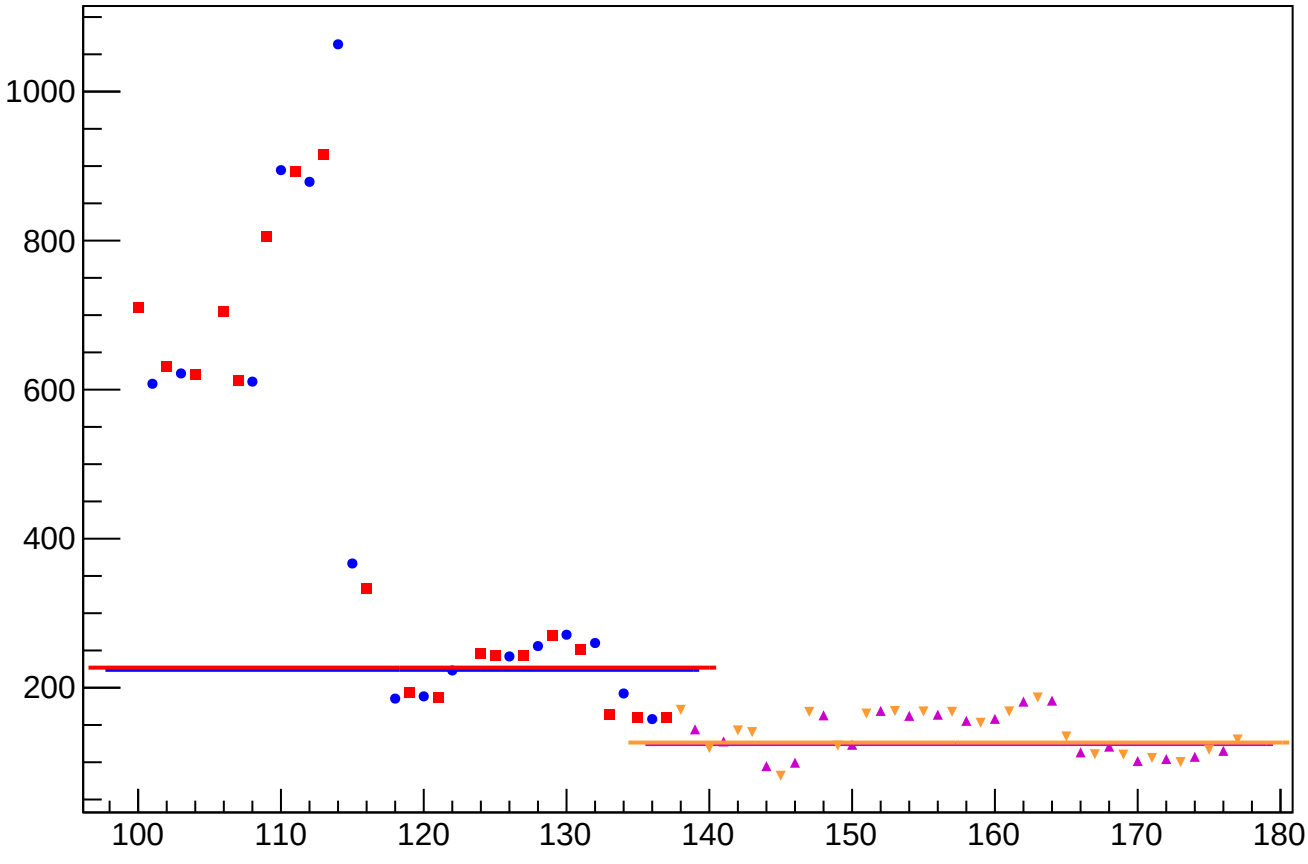
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -28.390+/-32.473 χ^2/NDF:25.0/18

+ sign -106.579+/-30.219 χ^2/NDF: 46.7/36

All: -72.921+/-21.556 χ^2/NDF: 90.7/74

- sign -38.055+/-30.756 χ^2/NDF: 41.4/37



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.430+/-0.023 χ^2/NDF:1682636.8/20

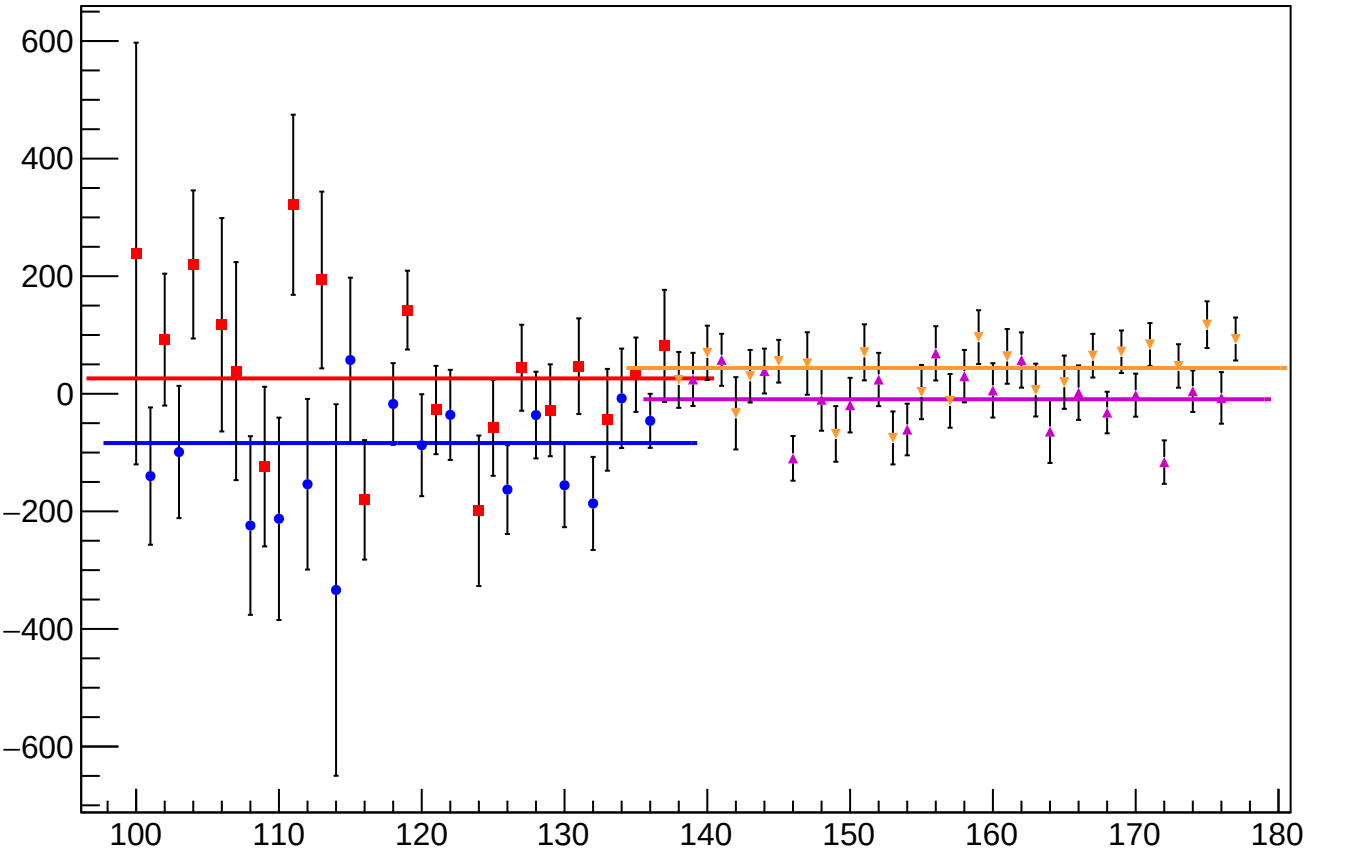
Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 124.412+/-0.023 χ^2/NDF:1338706.5/18

+ sign 136.612+/-0.021 χ^2/NDF: 6600461.9/36

All: 135.805+/-0.015 χ^2/NDF: 13567470.5/74

- sign 134.969+/-0.022 χ^2/NDF: 6964102.1/37



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 43.889+/-9.368 χ^2/NDF:27.3/20

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

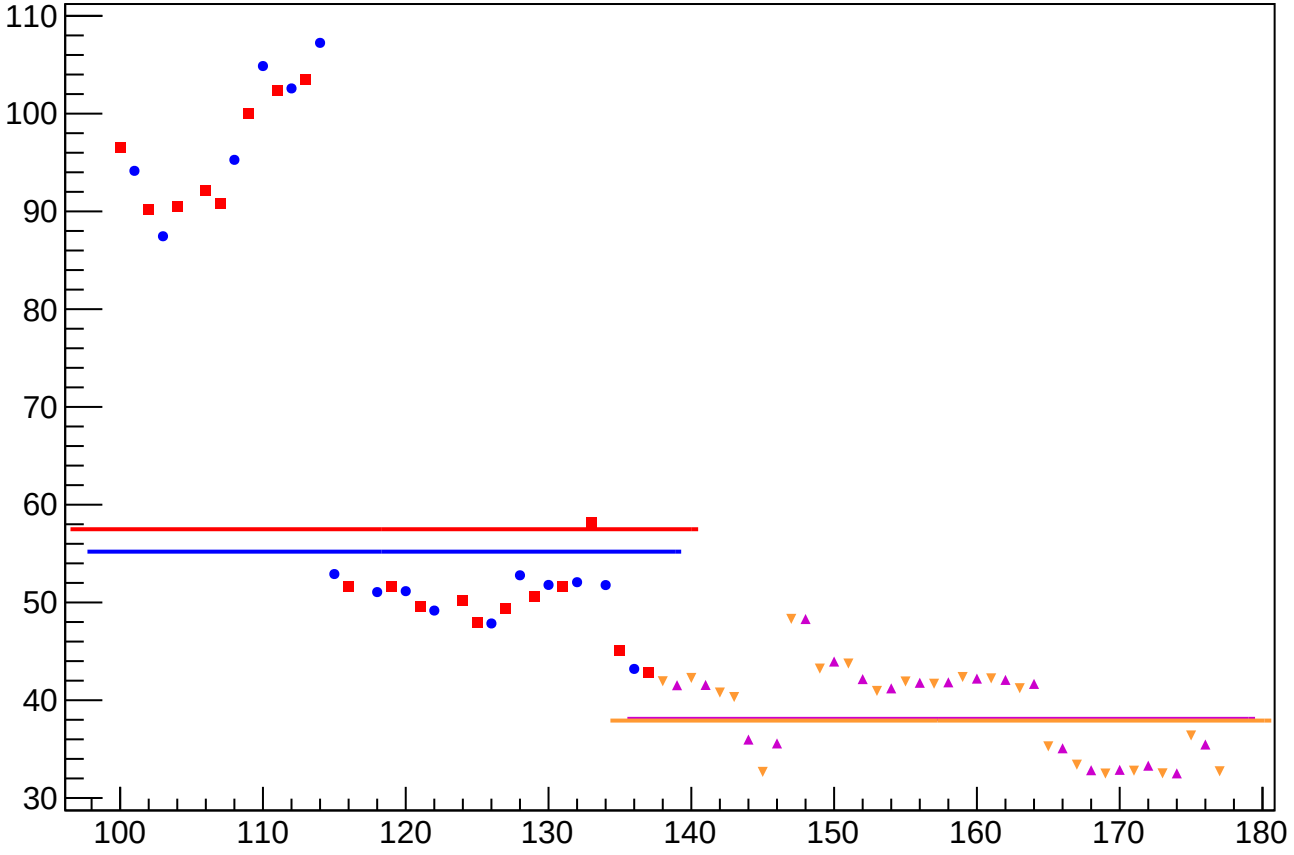
Left In: -9.316+/-9.750 χ^2/NDF:29.2/18

+ sign 23.411+/-8.584 χ^2/NDF: 67.7/36

All: 10.458+/-6.185 χ^2/NDF: 126.7/74

- sign -3.525+/-8.919 χ^2/NDF: 54.3/37

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.919+/-0.007 χ^2/NDF:507175.5/20

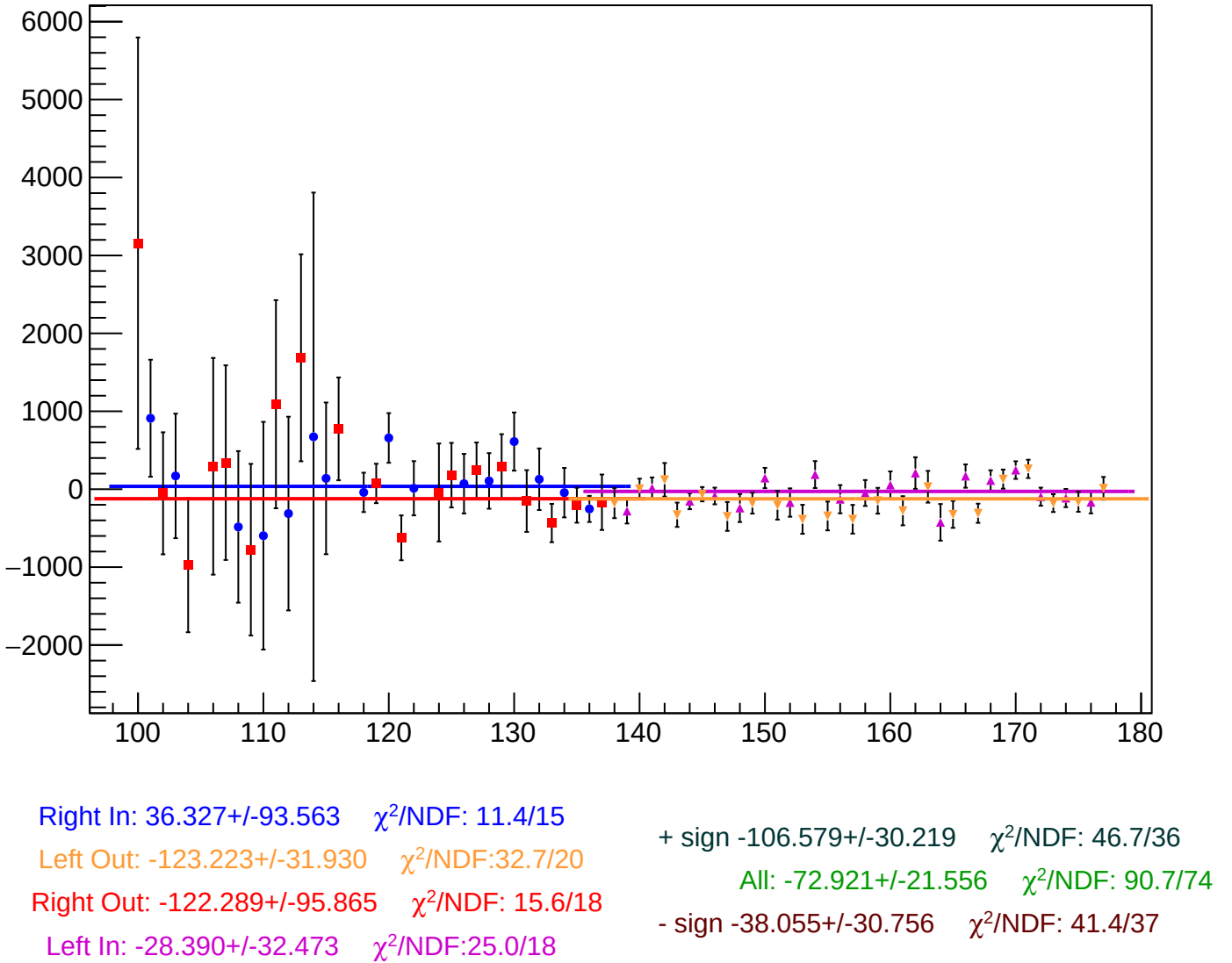
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

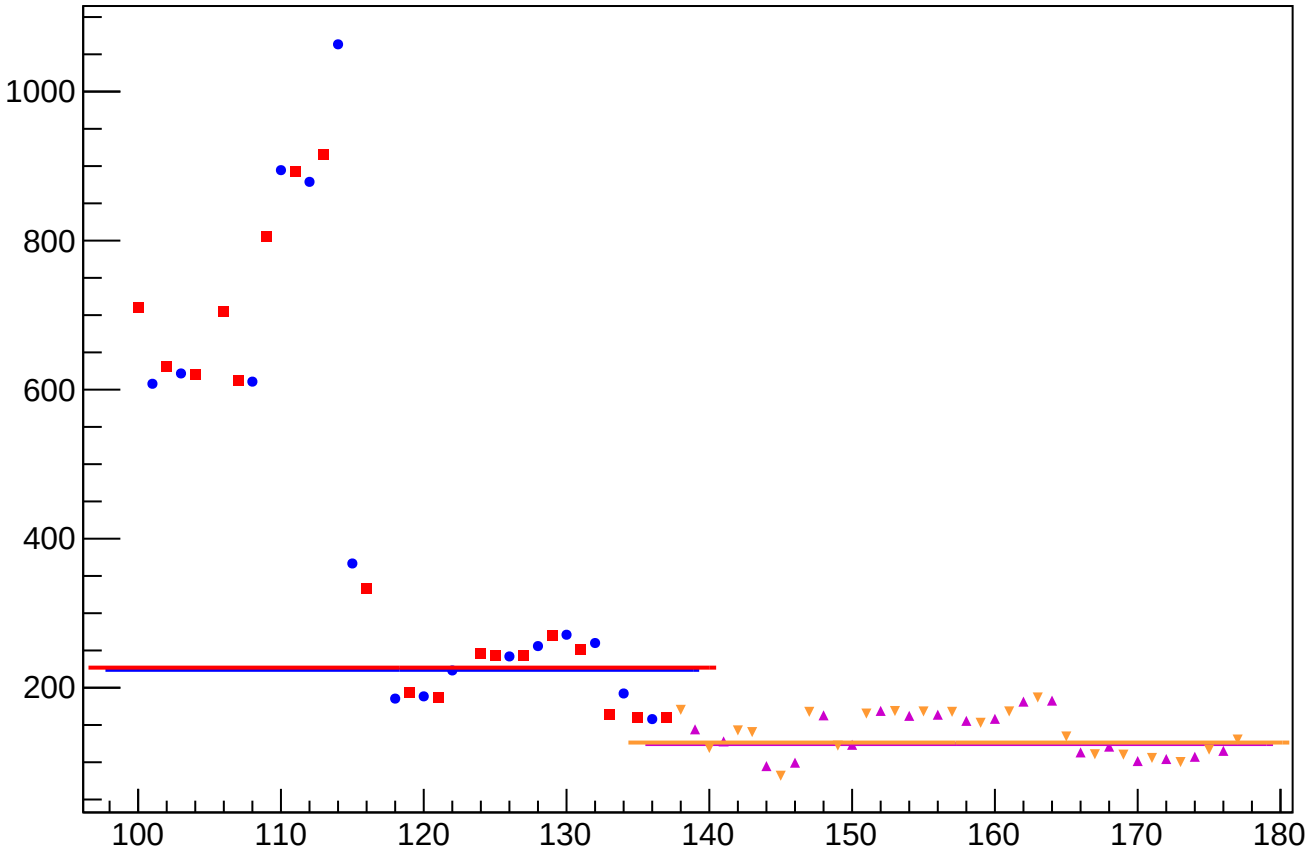
Left In: 38.096+/-0.007 χ^2/NDF:421320.0/18

+ sign 40.690+/-0.006 χ^2/NDF: 2750985.2/36

All: 40.966+/-0.004 χ^2/NDF: 5743323.7/74

- sign 41.263+/-0.006 χ^2/NDF: 2988046.6/37


asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: 36.327+/-93.563 χ²/NDF: 11.4/15
Left Out: -123.223+/-31.930 χ²/NDF:32.7/20
Right Out: -122.289+/-95.865 χ²/NDF: 15.6/18
Left In: -28.390+/-32.473 χ²/NDF:25.0/18
+ sign -106.579+/-30.219 χ²/NDF: 46.7/36
All: -72.921+/-21.556 χ²/NDF: 90.7/74
- sign -38.055+/-30.756 χ²/NDF: 41.4/37



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.430+/-0.023 χ^2/NDF:1682636.8/20

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

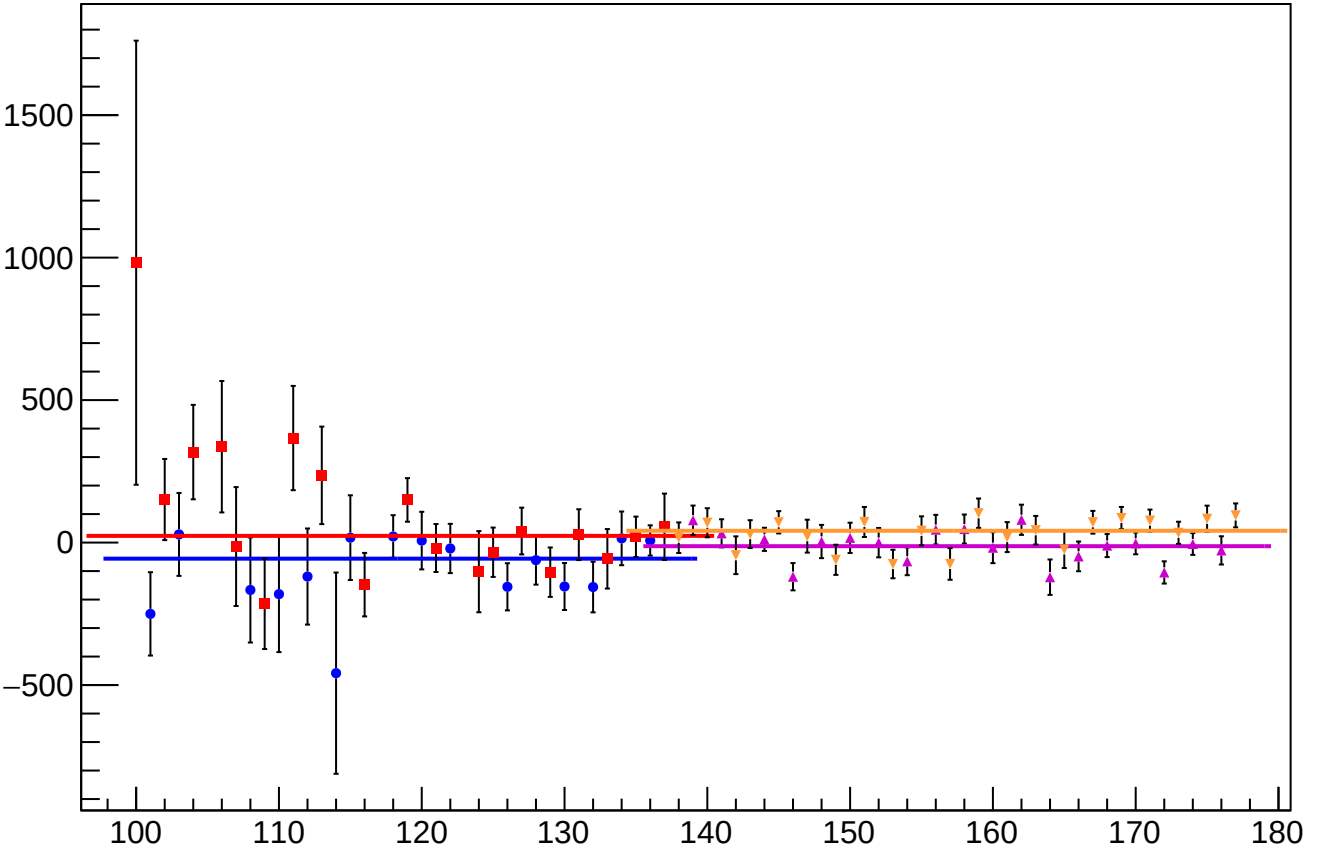
Left In: 124.412+/-0.023 χ^2/NDF:1338706.5/18

+ sign 136.612+/-0.021 χ^2/NDF: 6600461.9/36

All: 135.805+/-0.015 χ^2/NDF: 13567470.5/74

- sign 134.969+/-0.022 χ^2/NDF: 6964102.1/37

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 41.432+/-10.436 χ^2/NDF:24.7/20

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

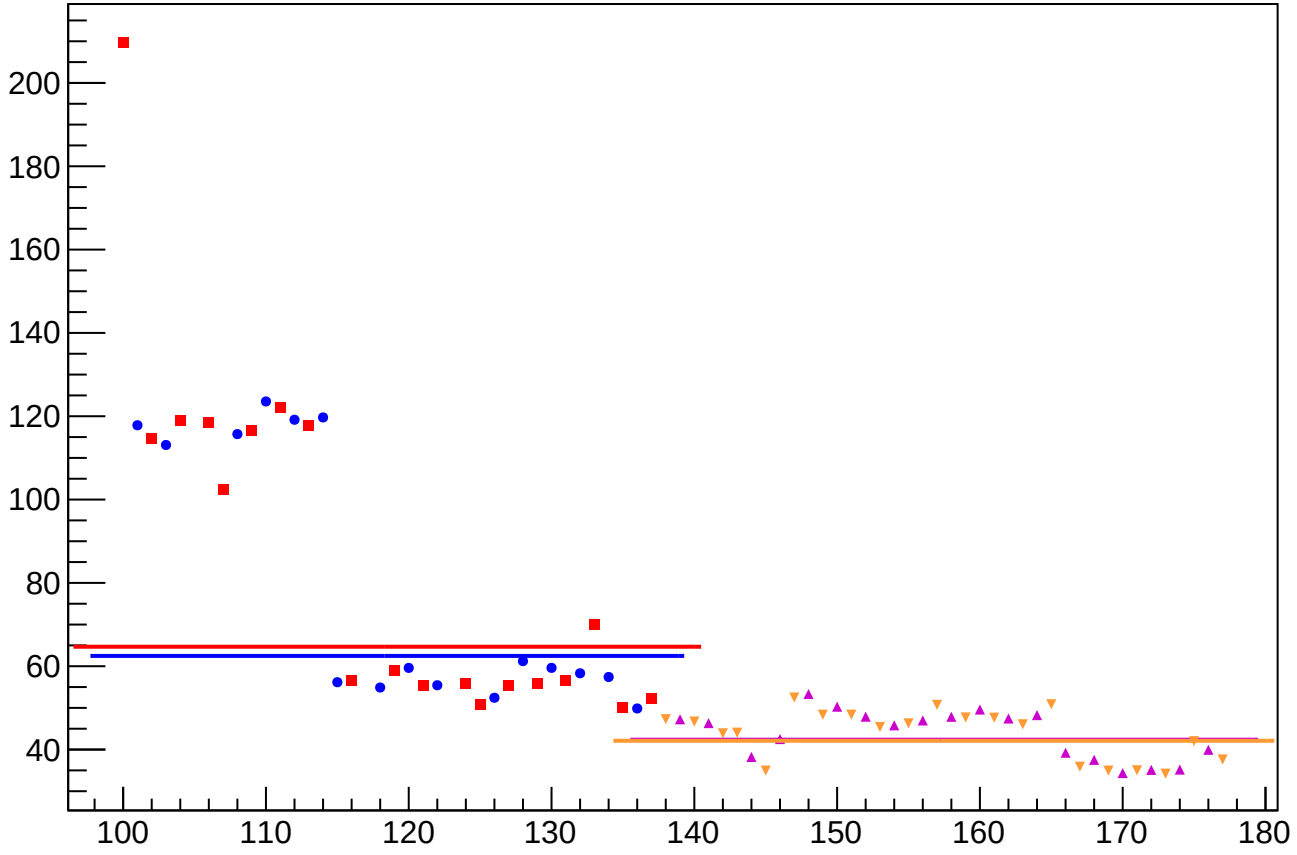
Left In: -12.686+/-10.912 χ^2/NDF:26.0/18

\+ sign 26.393+/-9.601 χ^2/NDF: 50.4/36

All: 10.415+/-6.929 χ^2/NDF: 108.0/74

\- sign -6.958+/-10.011 χ^2/NDF: 51.8/37

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.107+/-0.007 χ^2/NDF:680413.2/20

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

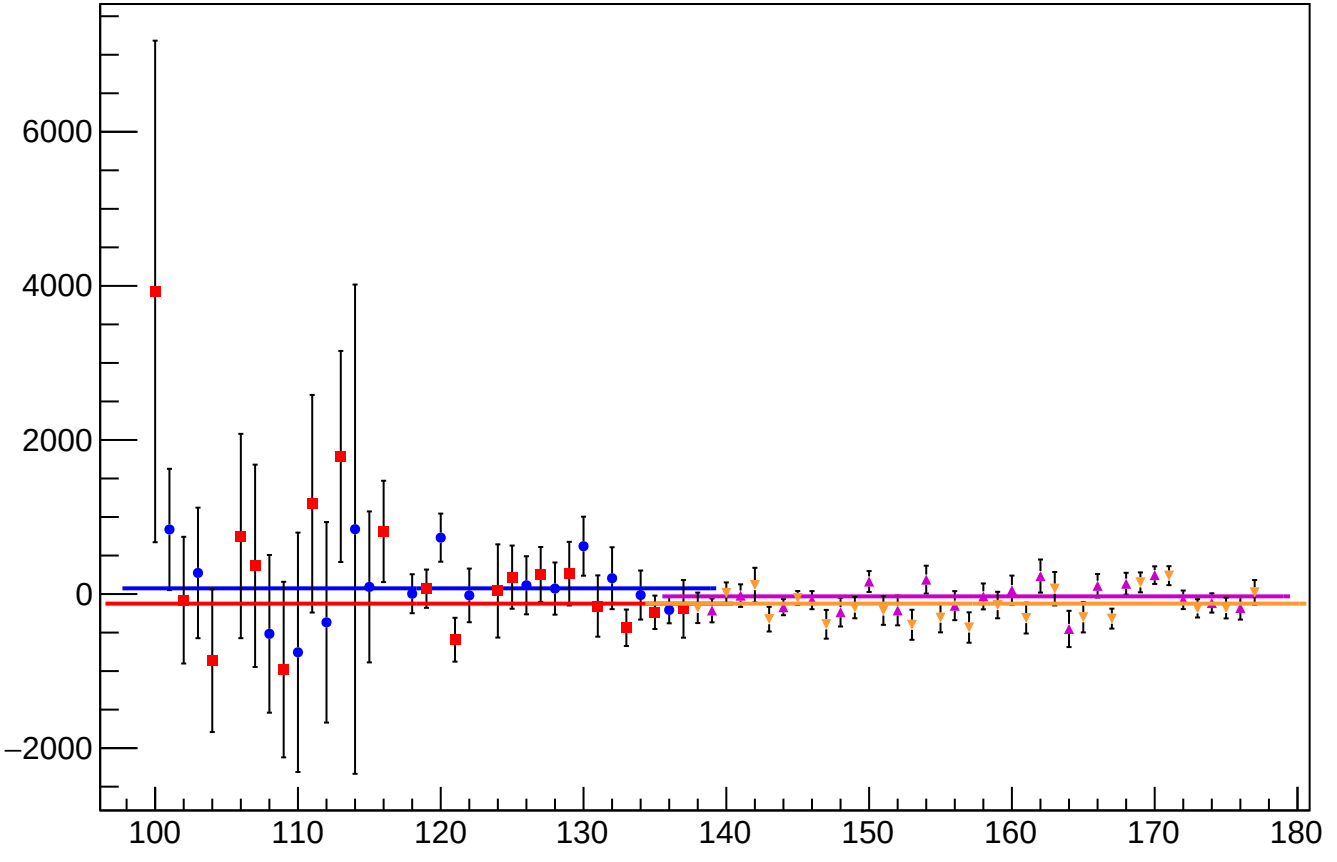
Left In: 42.369+/-0.008 χ^2/NDF:578936.4/18

+ sign 45.238+/-0.007 χ^2/NDF: 3199381.4/36

All: 45.556+/-0.005 χ^2/NDF: 6697002.0/74

- sign 45.902+/-0.007 χ^2/NDF: 3493040.2/37

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -123.931+/-33.198 χ^2/NDF:31.6/20

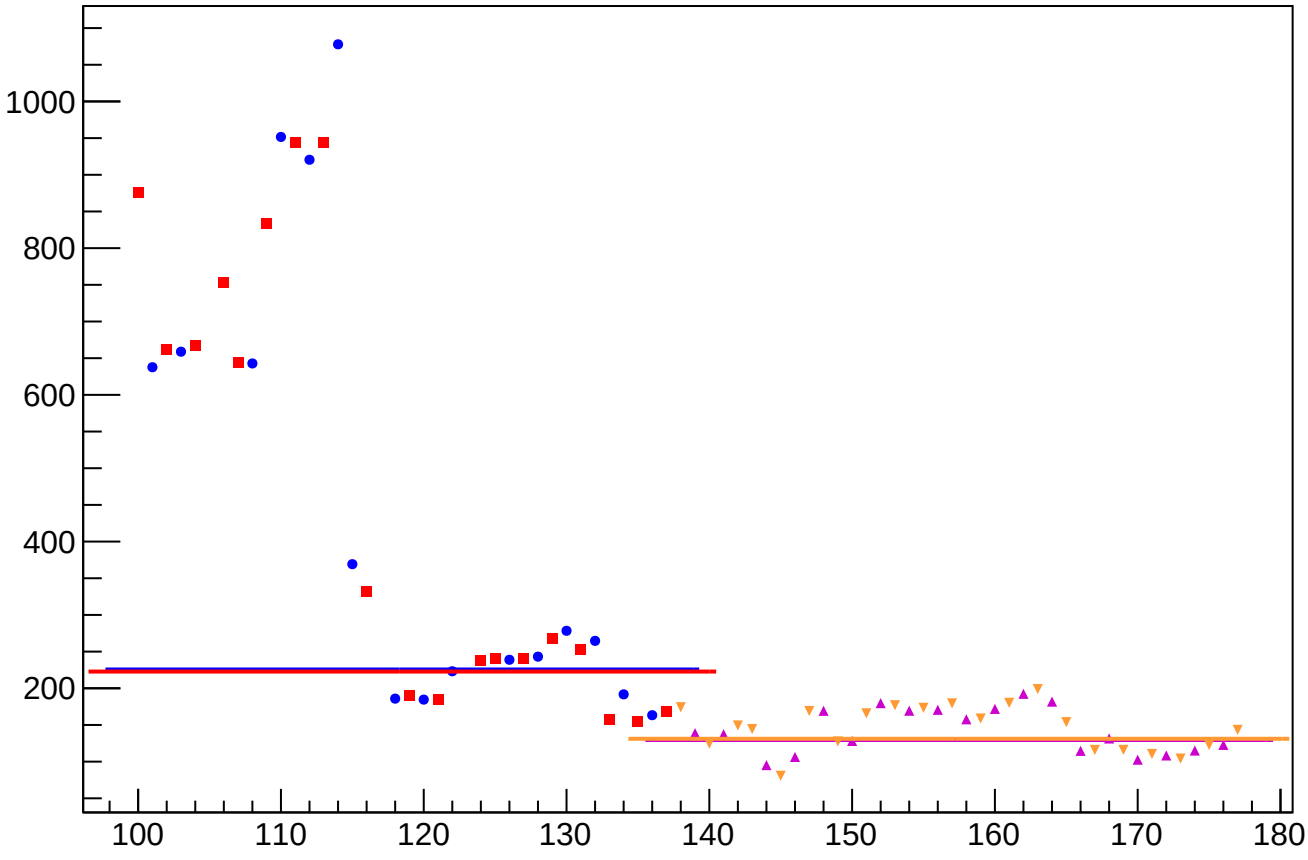
Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: -29.924+/-33.901 χ^2/NDF:23.8/18

+ sign -102.152+/-31.321 χ^2/NDF: 46.7/36

All: -71.975+/-22.355 χ^2/NDF: 89.7/74

- sign -40.640+/-31.916 χ^2/NDF: 41.0/37



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.158+/-0.023 χ^2/NDF:1861722.0/20

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

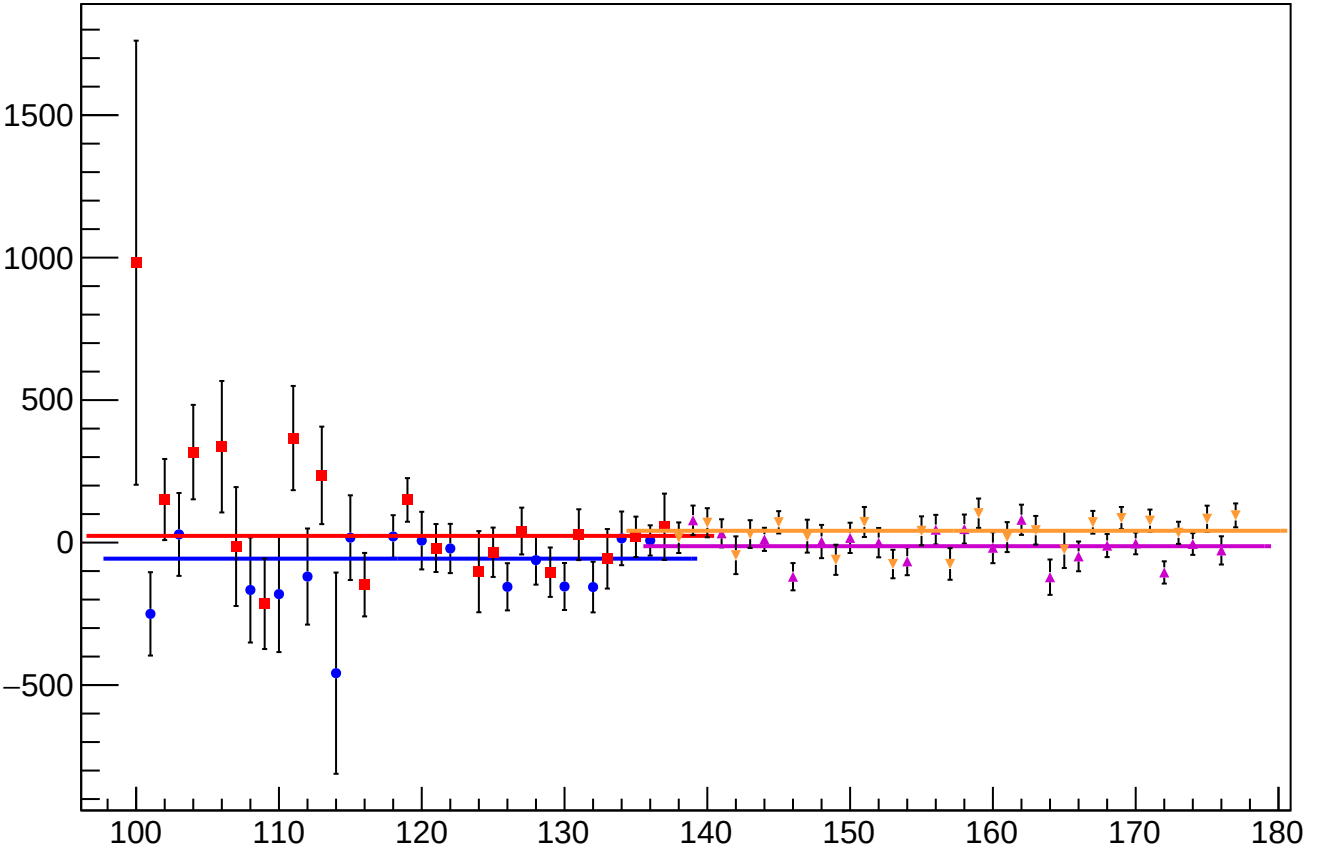
Left In: 129.517+/-0.024 χ^2/NDF:1372446.2/18

+ sign 141.536+/-0.022 χ^2/NDF: 6666639.5/36

All: 140.841+/-0.016 χ^2/NDF: 13609991.8/74

- sign 140.119+/-0.023 χ^2/NDF: 6941344.8/37

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 41.434+/-10.436 χ^2/NDF:24.7/20

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

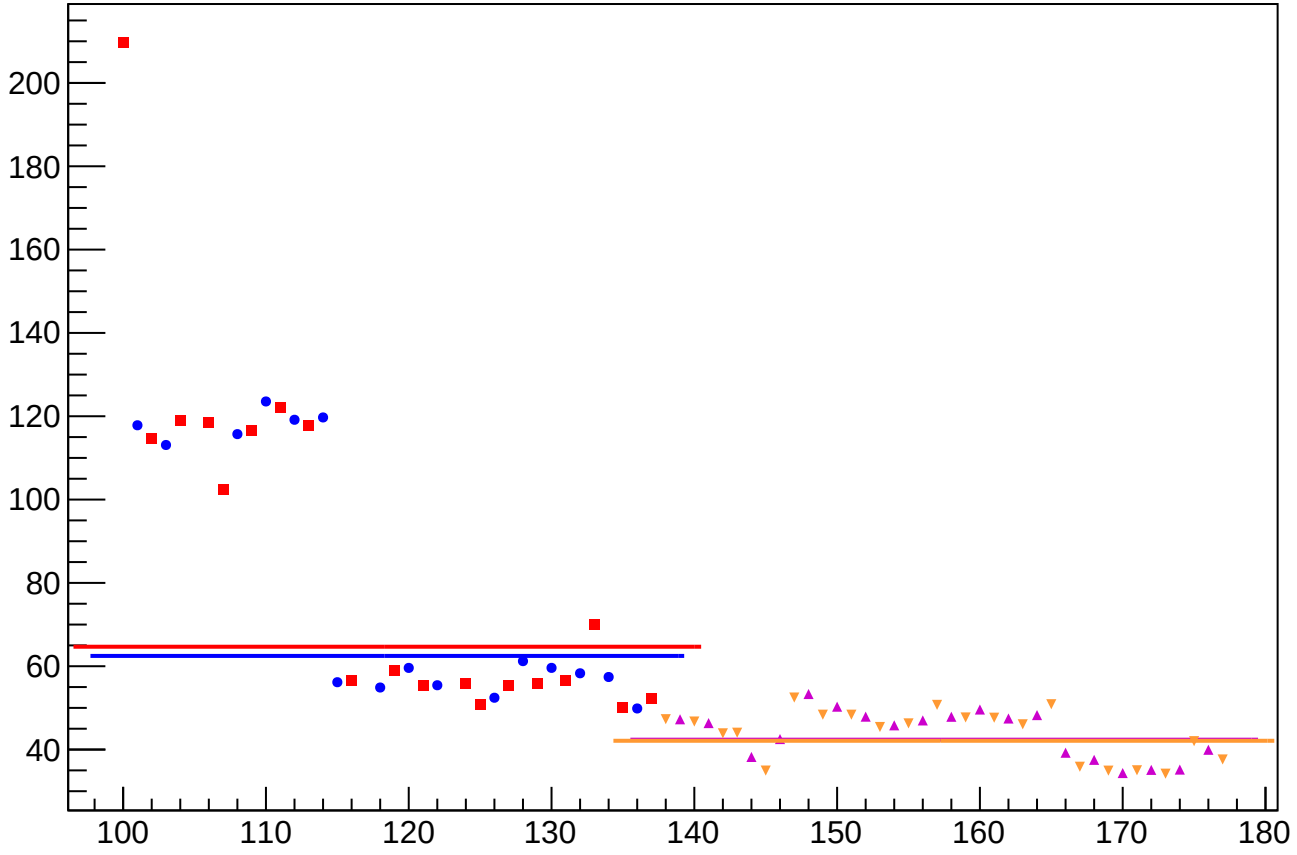
Left In: -12.687+/-10.912 χ^2/NDF:26.0/18

+ sign 26.394+/-9.601 χ^2/NDF: 50.4/36

All: 10.416+/-6.929 χ^2/NDF: 108.0/74

- sign -6.958+/-10.011 χ^2/NDF: 51.8/37

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.107+/-0.007 χ^2/NDF:680432.0/20

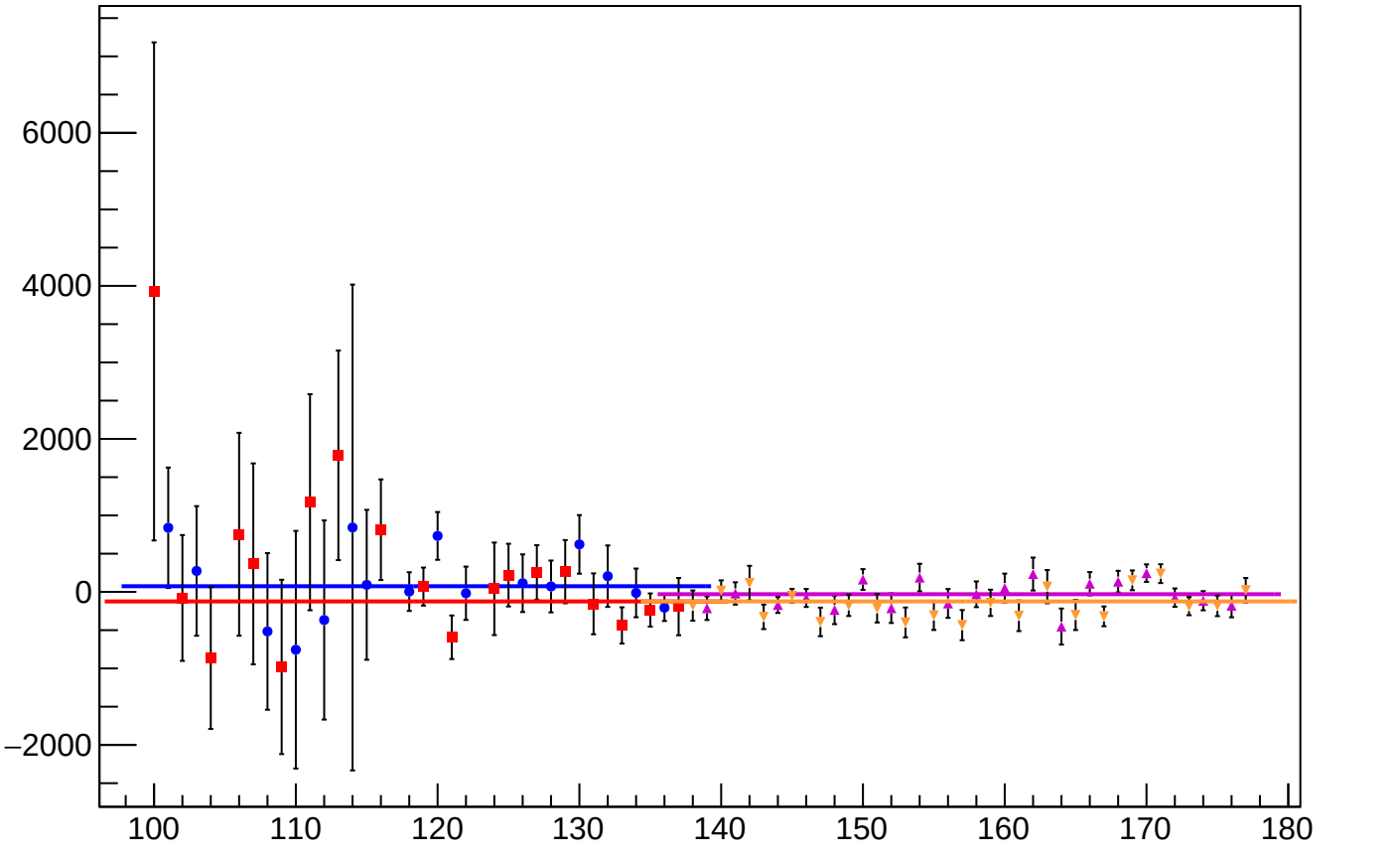
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.369+/-0.008 χ^2/NDF:578940.3/18

\+ sign 45.238+/-0.007 χ^2/NDF: 3199337.5/36

All: 45.556+/-0.005 χ^2/NDF: 6696911.9/74

\- sign 45.902+/-0.007 χ^2/NDF: 3492993.0/37



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -123.930+/-33.198 χ^2/NDF:31.6/20

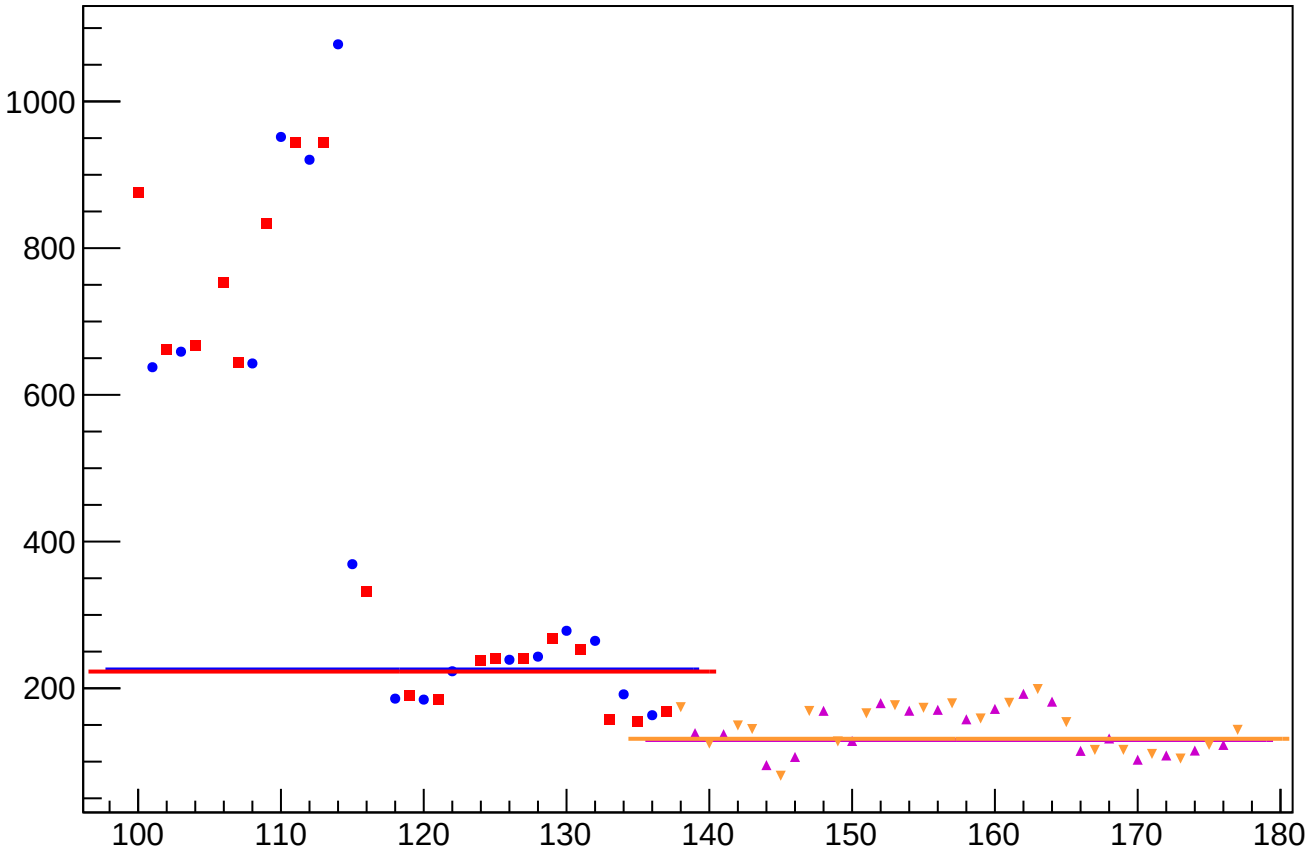
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -29.924+/-33.901 χ^2/NDF:23.8/18

+ sign -102.151+/-31.321 χ^2/NDF: 46.7/36

All: -71.974+/-22.355 χ^2/NDF: 89.7/74

- sign -40.640+/-31.916 χ^2/NDF: 41.0/37



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 131.158+/-0.023 χ^2/NDF:1861709.8/20

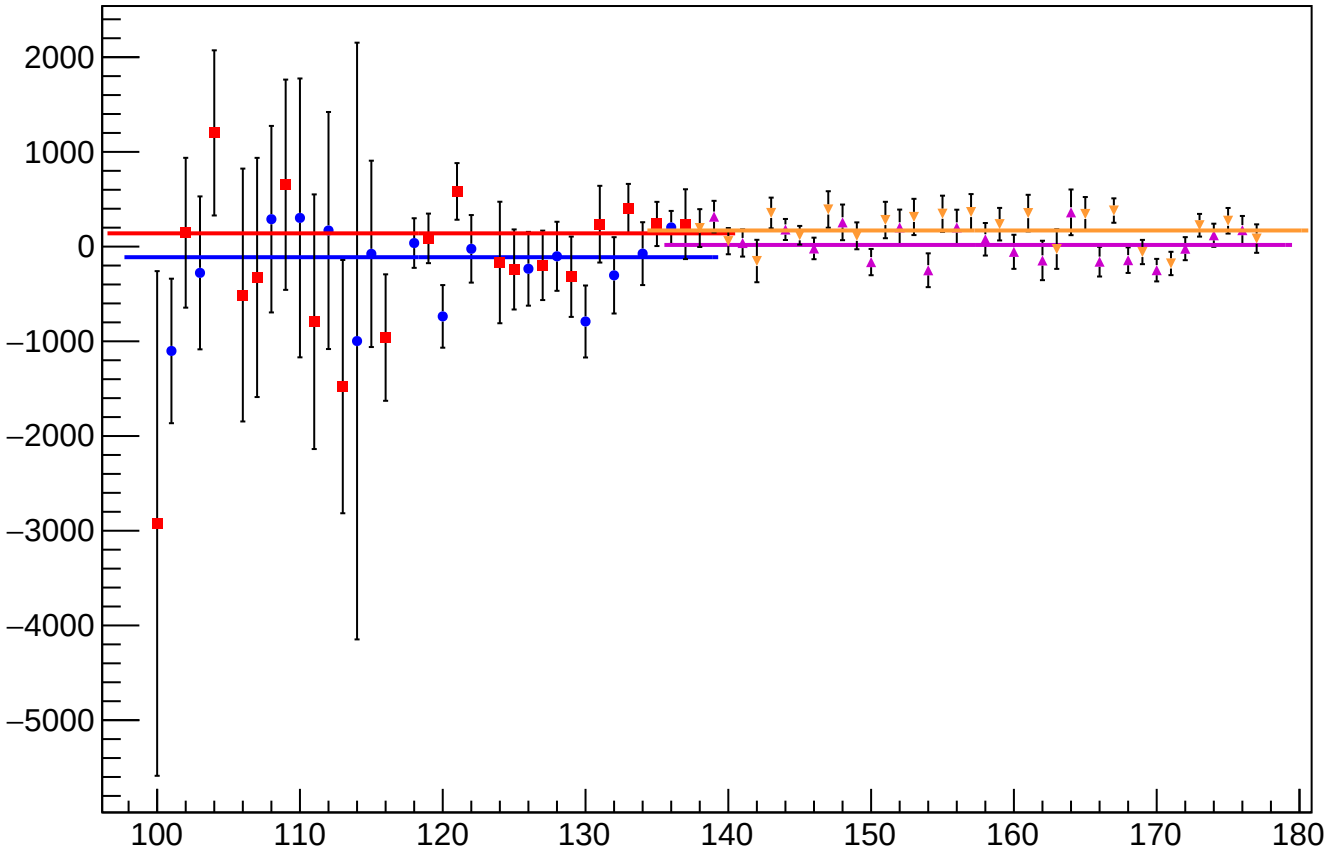
Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 129.518+/-0.024 χ^2/NDF:1372442.3/18

+ sign 141.536+/-0.022 χ^2/NDF: 6666607.0/36

All: 140.841+/-0.016 χ^2/NDF: 13609943.1/74

- sign 140.119+/-0.023 χ^2/NDF: 6941328.6/37



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 170.290+/-33.436 χ^2/NDF:26.4/20

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

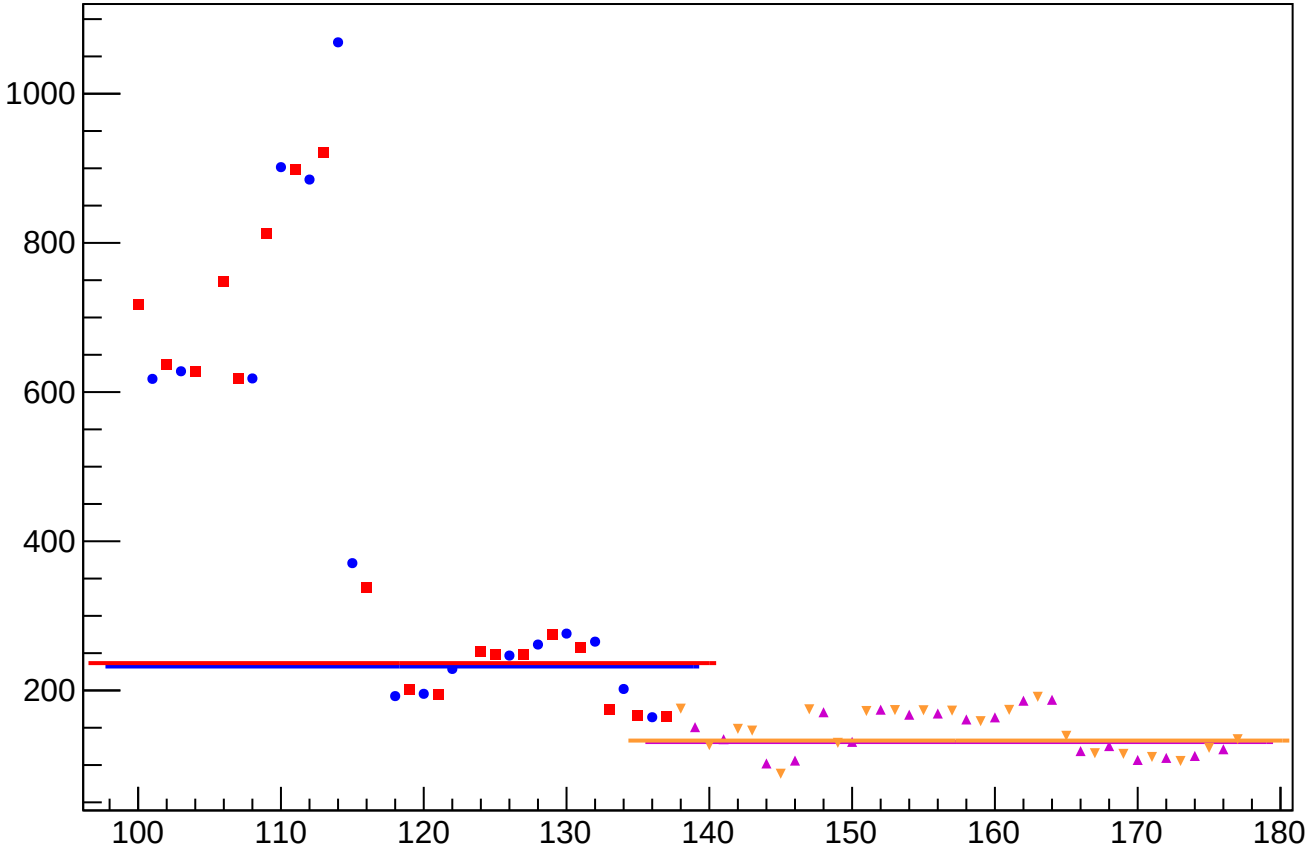
Left In: 17.513+/-34.053 χ^2/NDF:25.5/18

+ sign 140.069+/-31.595 χ^2/NDF: 46.9/36

All: 86.300+/-22.554 χ^2/NDF: 94.3/74

- sign 30.429+/-32.207 χ^2/NDF: 41.6/37

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 132.804+/-0.024 χ^2/NDF:1525548.4/20

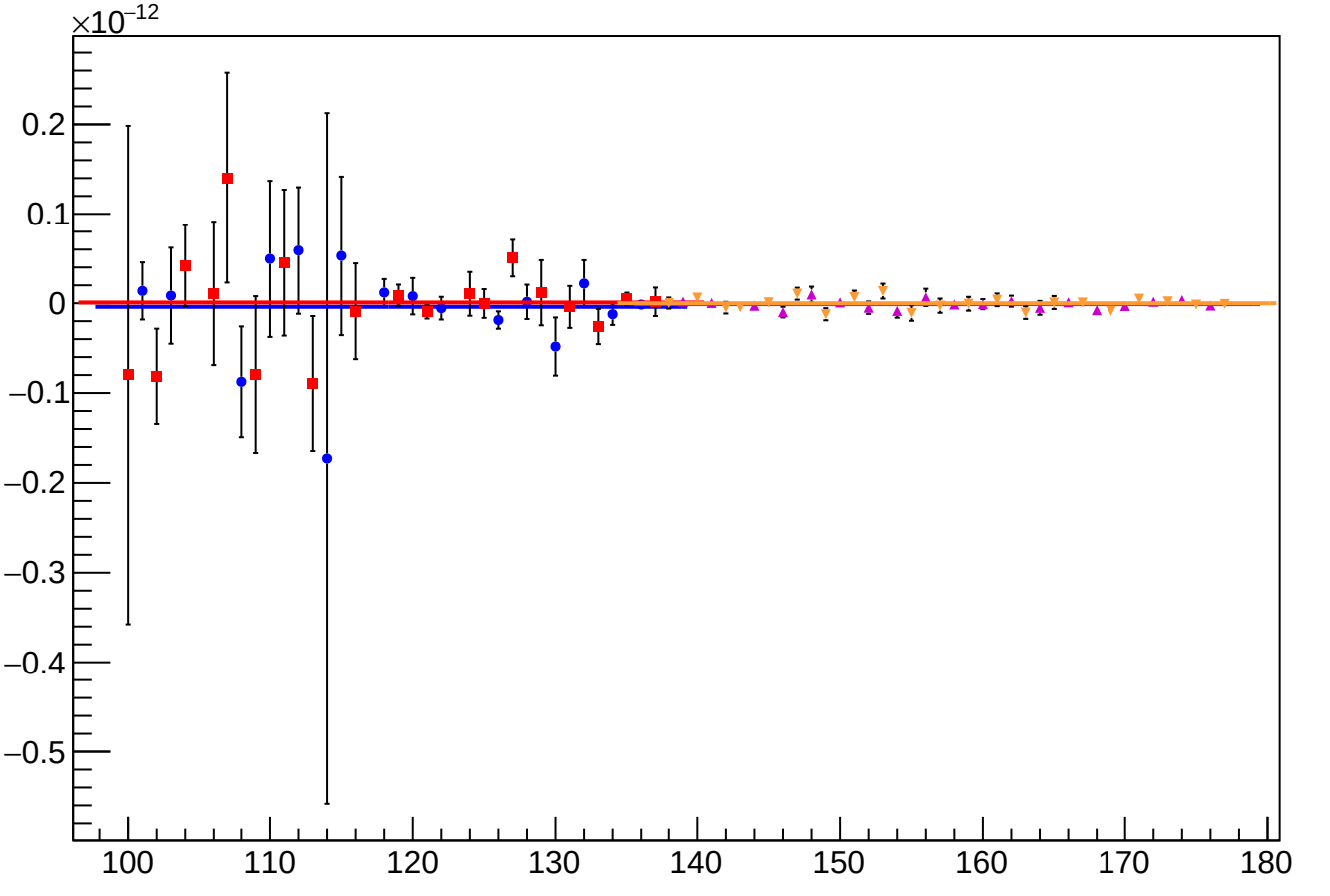
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 130.822+/-0.024 χ^2/NDF:1219169.4/18

+ sign 143.438+/-0.022 χ^2/NDF: 6300152.8/36

All: 142.724+/-0.016 χ^2/NDF: 13079529.0/74

- sign 141.982+/-0.023 χ^2/NDF: 6777295.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.0/20

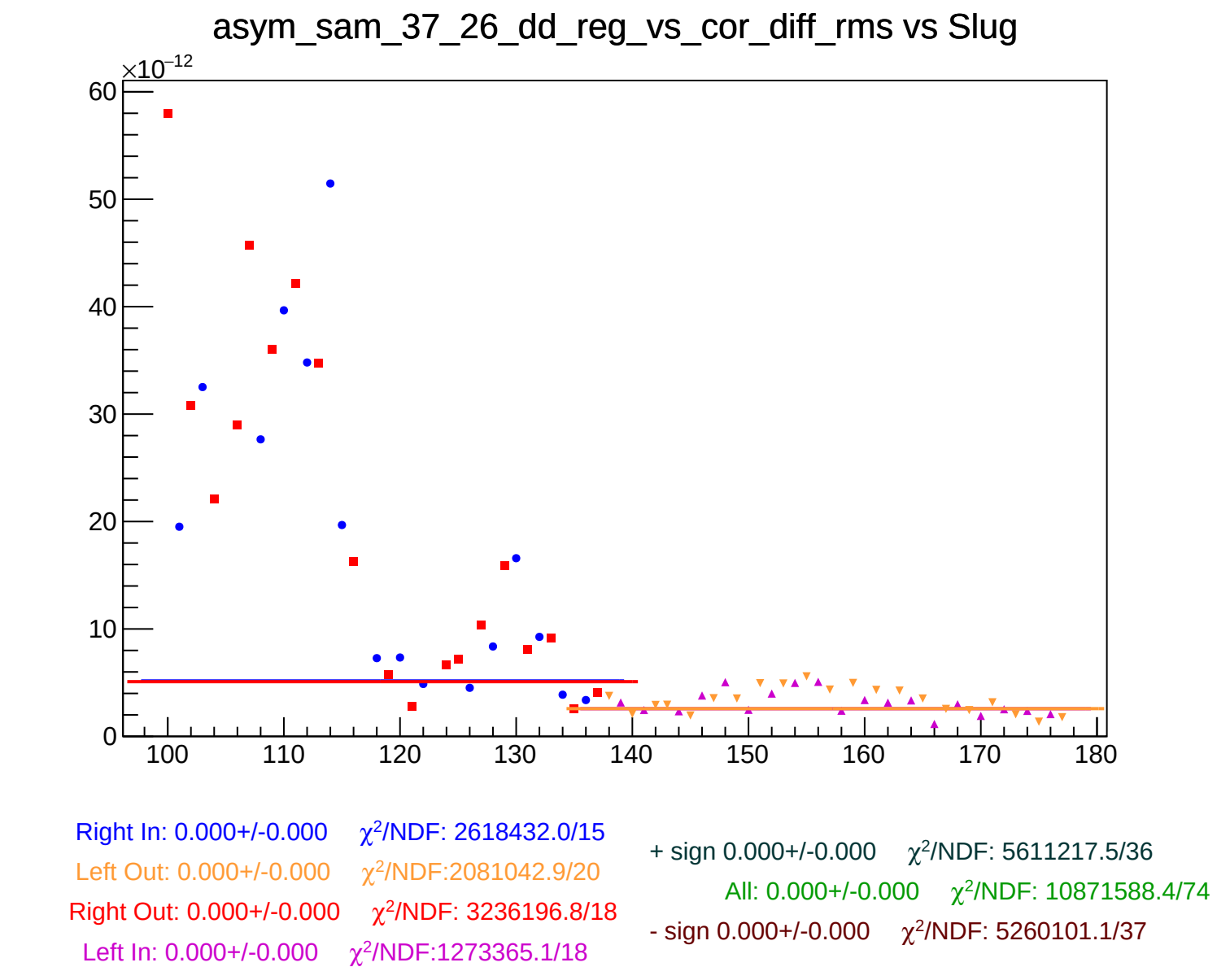
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/18

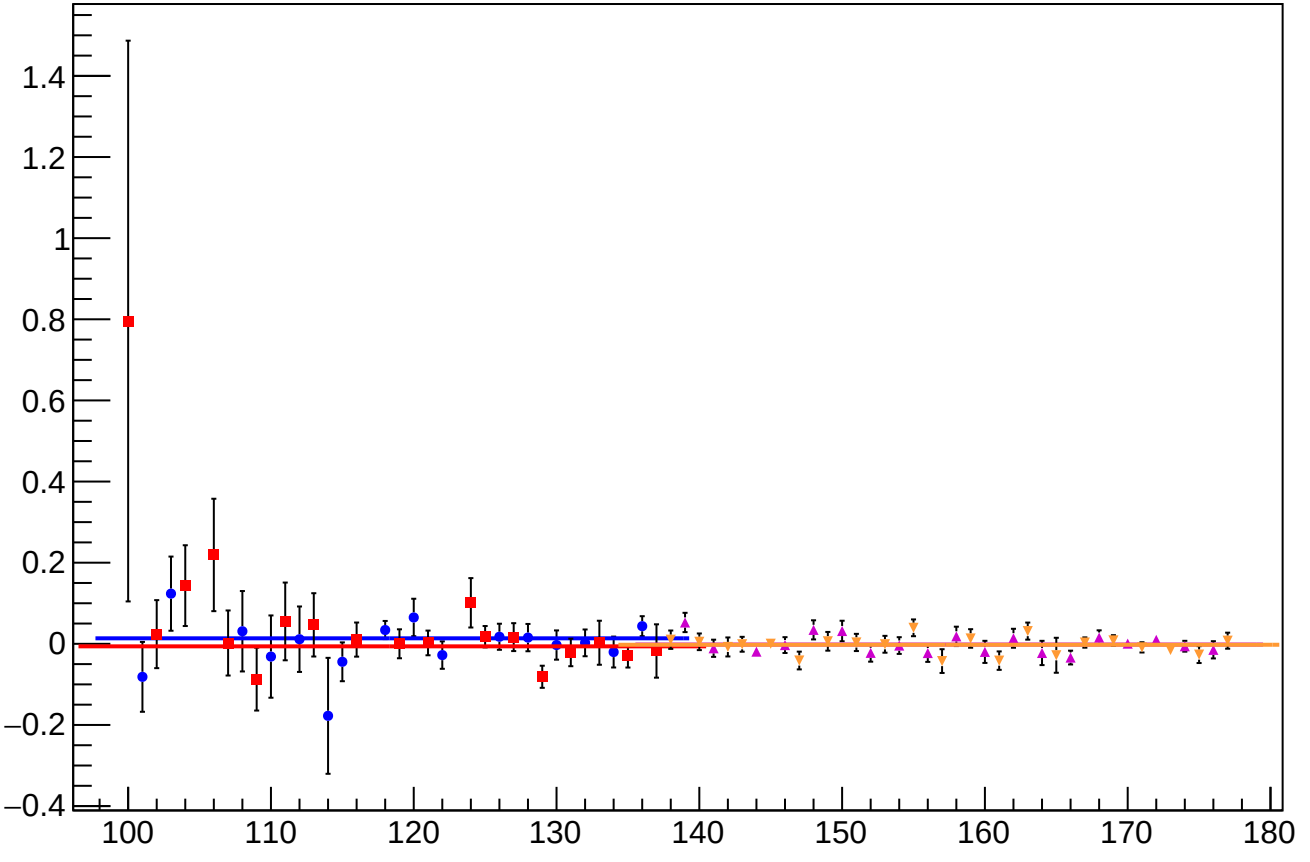
+ sign -0.000+/-0.000 χ^2/NDF: 35.5/36

All: -0.000+/-0.000 χ^2/NDF: 65.0/74

- sign -0.000+/-0.000 χ^2/NDF: 29.4/37


asym_sam_37_26_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: 2618432.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2081042.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:1273365.1/18
+ sign 0.000+/-0.000 χ²/NDF: 5611217.5/36
All: 0.000+/-0.000 χ²/NDF: 10871588.4/74
- sign 0.000+/-0.000 χ²/NDF: 5260101.1/37

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: -0.002+/-0.004 χ^2/NDF:20.3/20

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

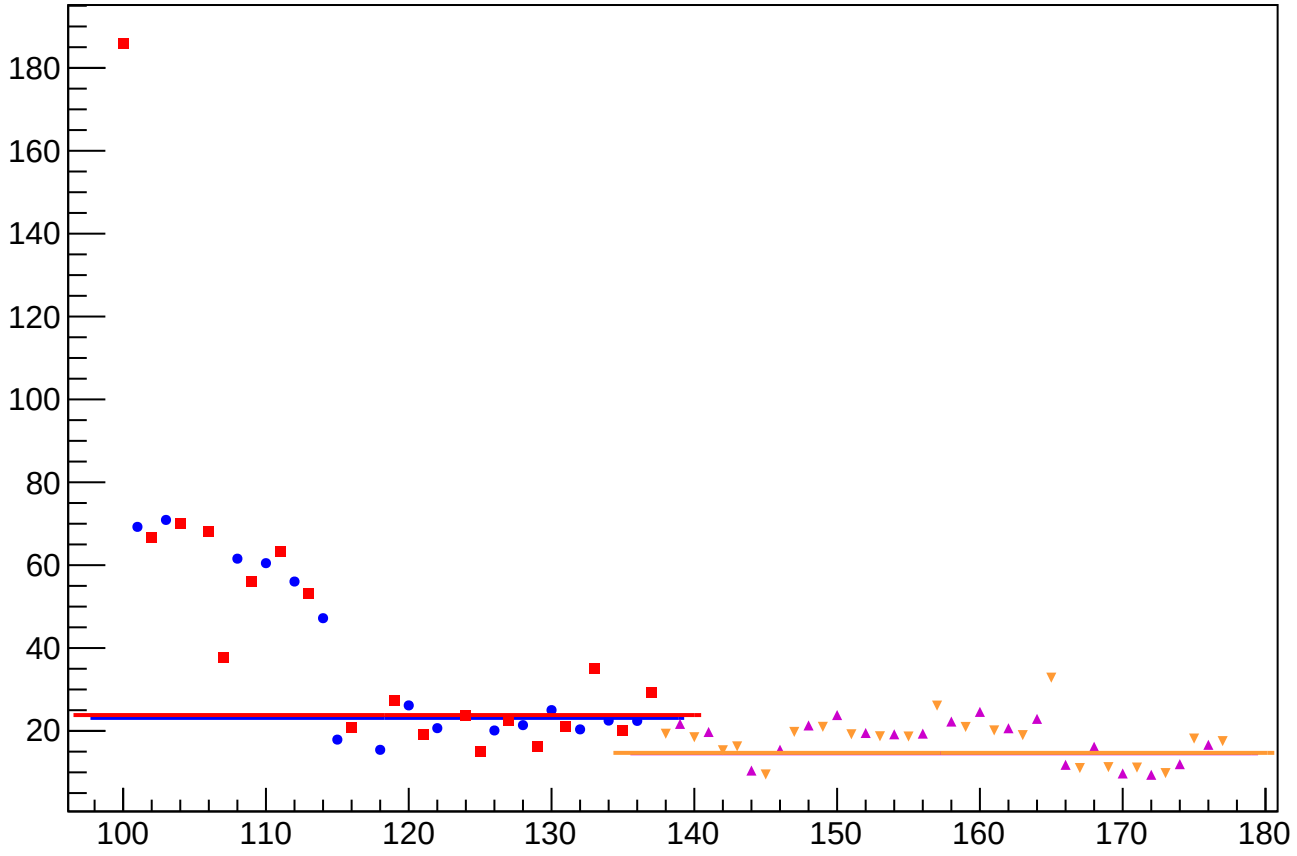
Left In: -0.002+/-0.004 χ^2/NDF:21.8/18

+ sign -0.000+/-0.004 χ^2/NDF: 34.9/36

All: -0.001+/-0.003 χ^2/NDF: 78.5/74

- sign -0.002+/-0.004 χ^2/NDF: 43.4/37

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: 14.703+/-0.003 χ^2/NDF:3024663.2/20

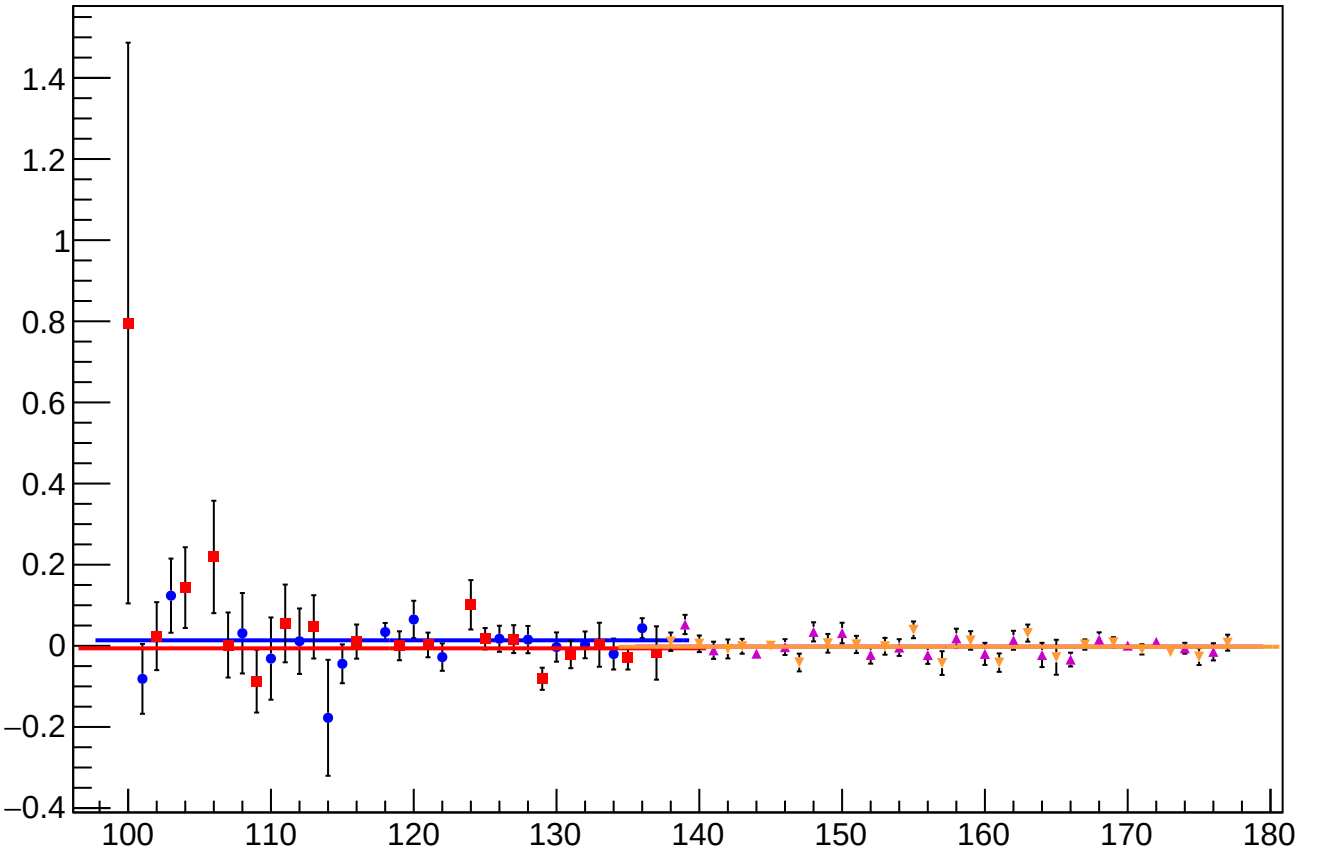
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.606+/-0.003 χ^2/NDF:3069974.2/18

+ sign 15.831+/-0.003 χ^2/NDF: 6704899.4/36

All: 15.856+/-0.002 χ^2/NDF: 14118735.1/74

- sign 15.883+/-0.003 χ^2/NDF: 7413634.4/37



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

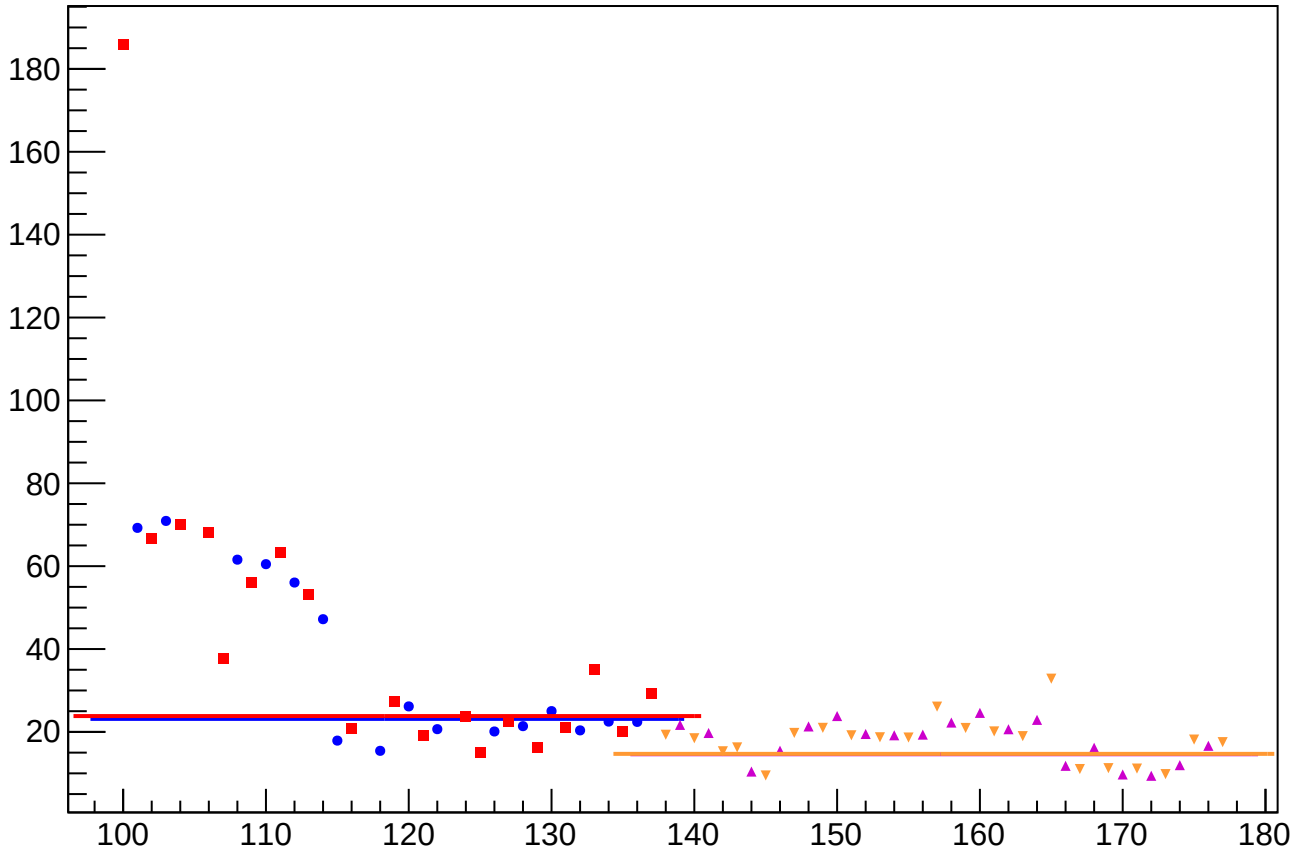
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:21.8/18

+ sign -0.000+/-0.004 χ^2/NDF: 34.9/36

All: -0.001+/-0.003 χ^2/NDF: 78.5/74

- sign -0.002+/-0.004 χ^2/NDF: 43.4/37



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.703+/-0.003 χ^2/NDF:3024663.2/20

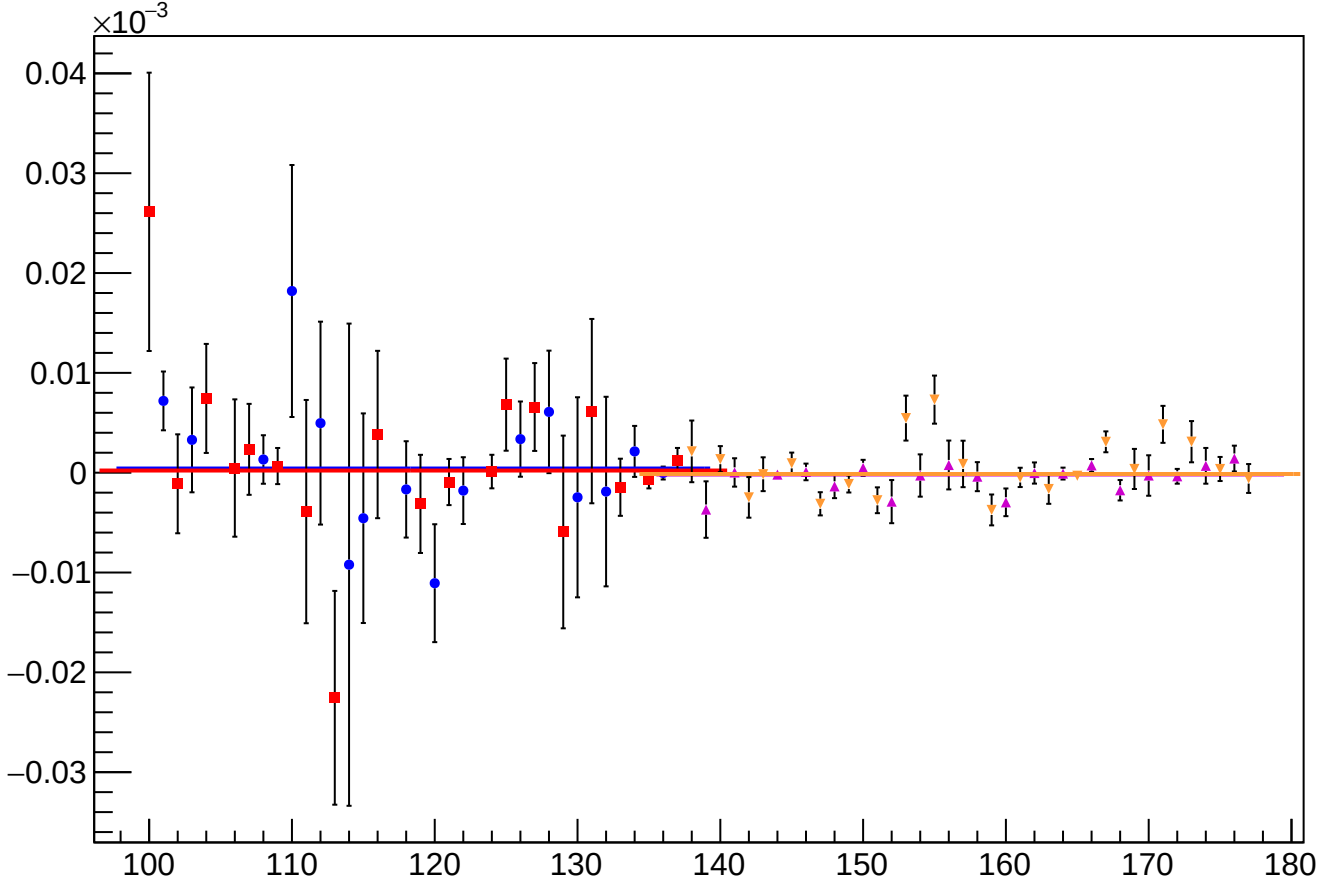
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.606+/-0.003 χ^2/NDF:3069974.2/18

+ sign 15.831+/-0.003 χ^2/NDF: 6704899.4/36

All: 15.856+/-0.002 χ^2/NDF: 14118735.1/74

- sign 15.883+/-0.003 χ^2/NDF: 7413634.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.6/20

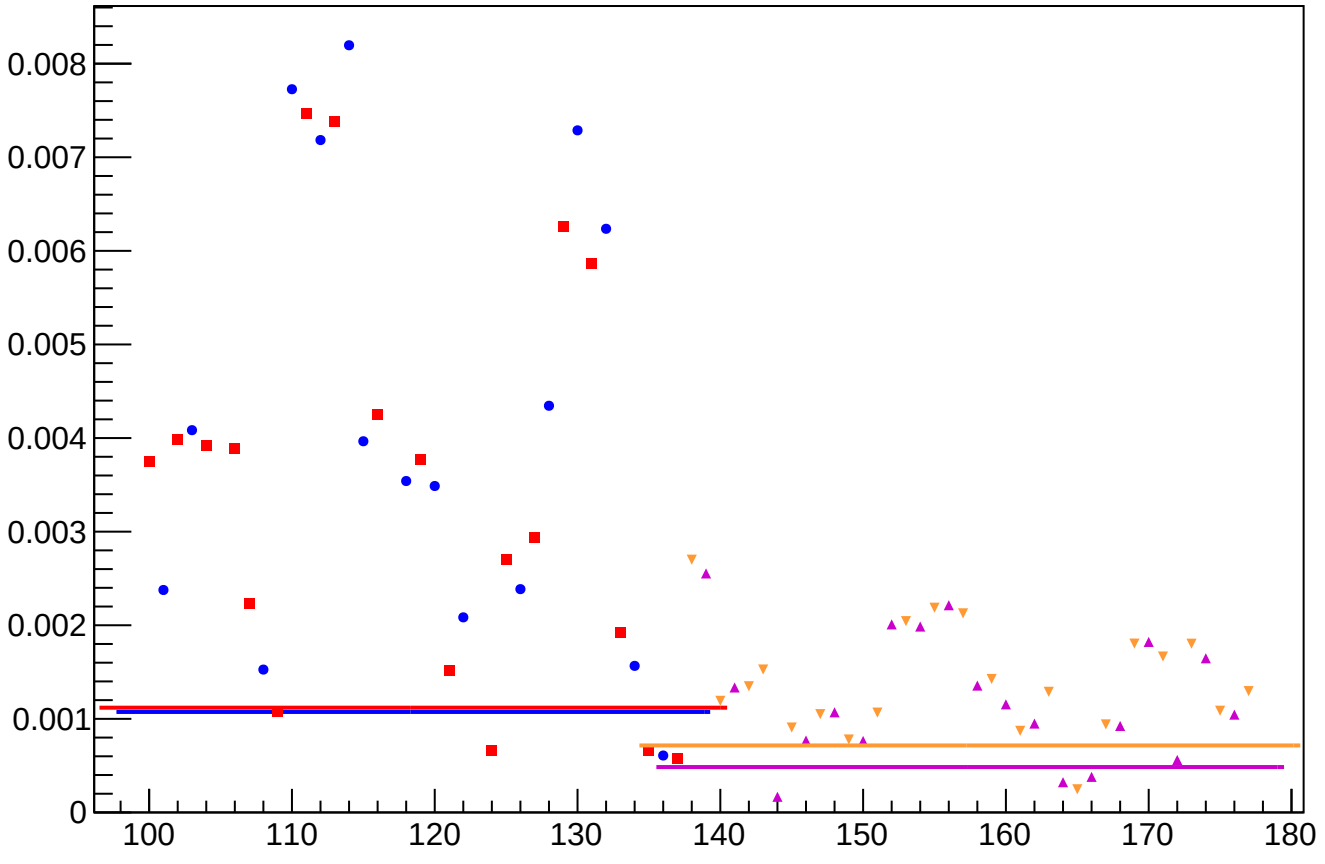
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:15.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 74.7/36

All: -0.000+/-0.000 χ^2/NDF: 108.6/74

- sign -0.000+/-0.000 χ^2/NDF: 33.8/37



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:11730440.1/20

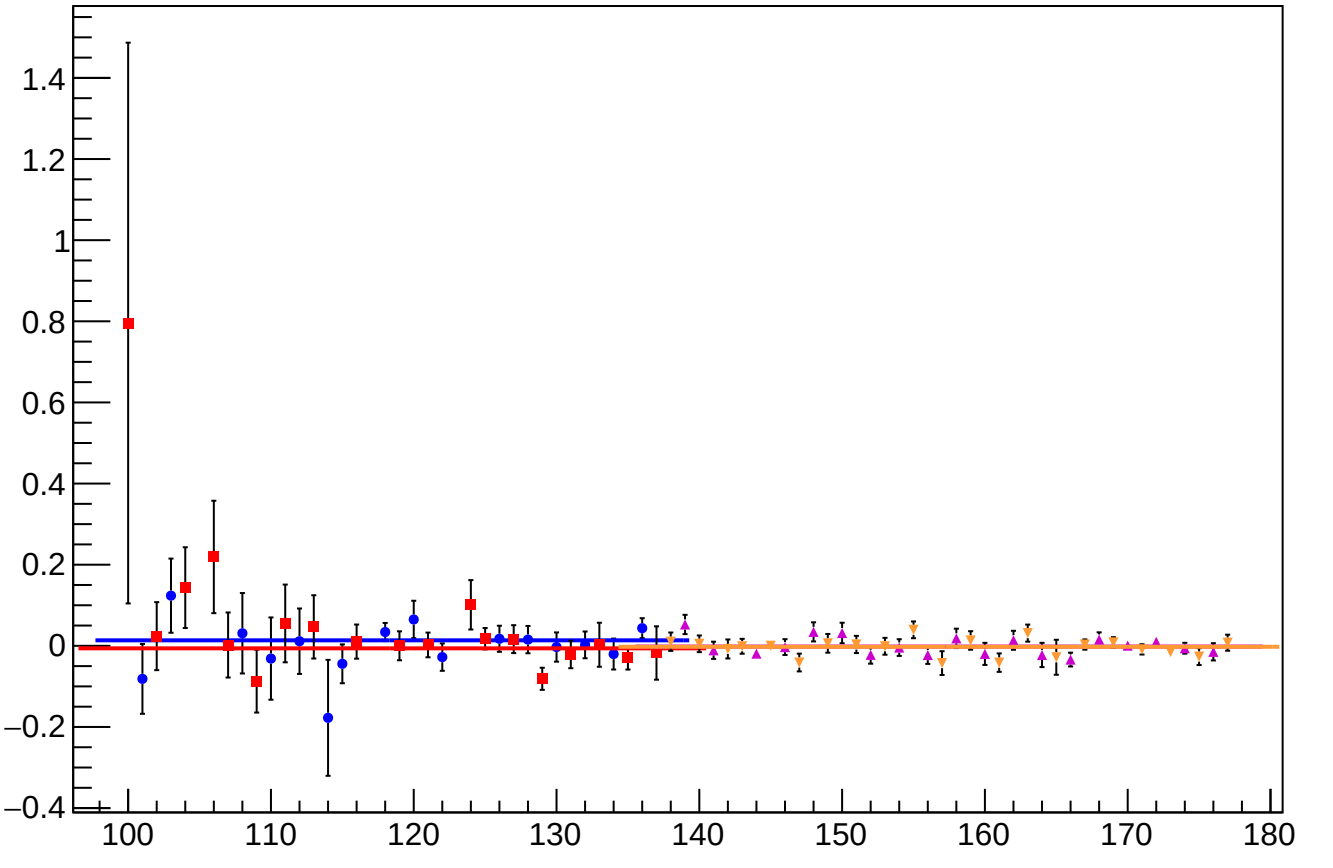
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13119457.7/18

+ sign 0.001+/-0.000 χ^2/NDF: 19478149.3/36

All: 0.001+/-0.000 χ^2/NDF: 43045101.9/74

- sign 0.001+/-0.000 χ^2/NDF: 22183182.6/37



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

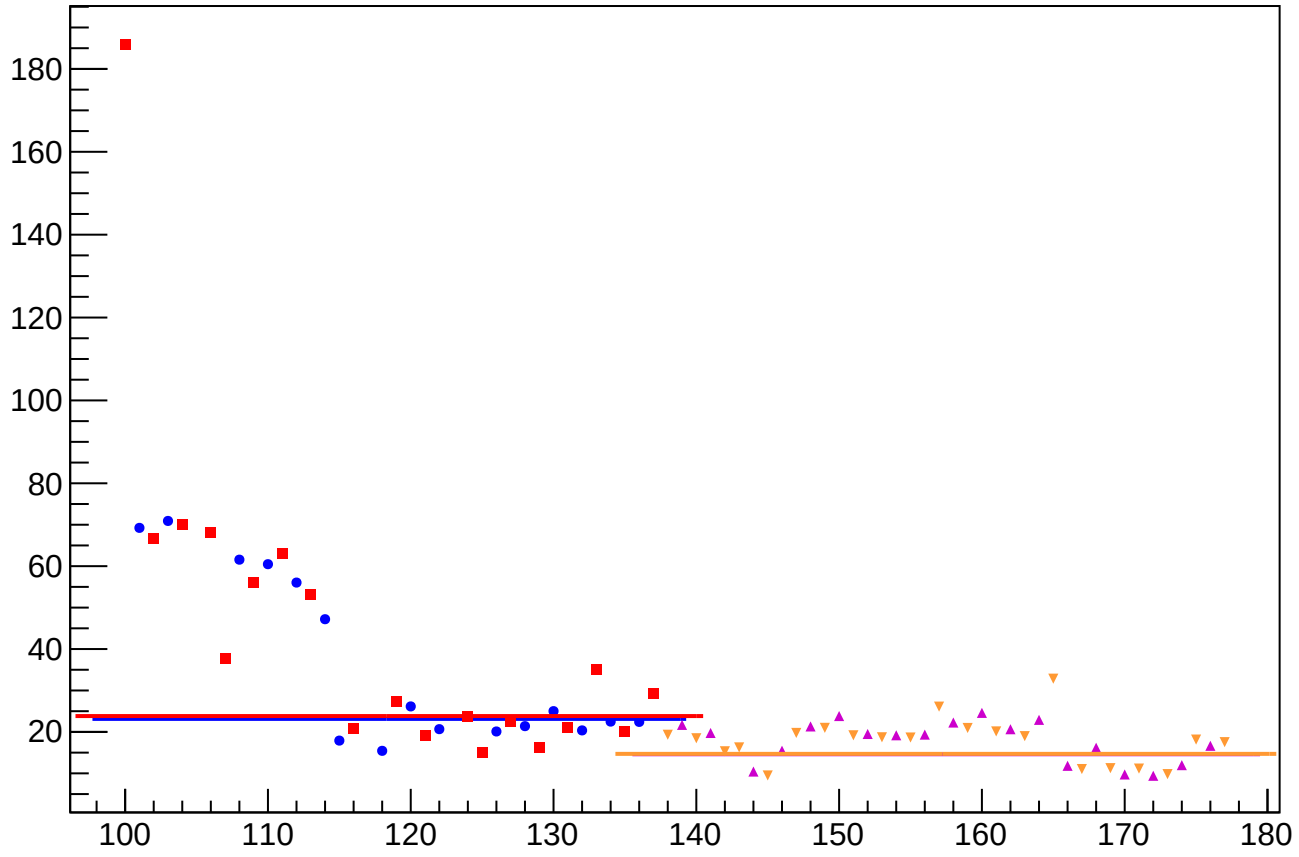
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:21.8/18

+ sign -0.000+/-0.004 χ^2/NDF: 34.9/36

All: -0.001+/-0.003 χ^2/NDF: 78.5/74

- sign -0.002+/-0.004 χ^2/NDF: 43.4/37



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.703+/-0.003 χ^2/NDF:3024781.2/20

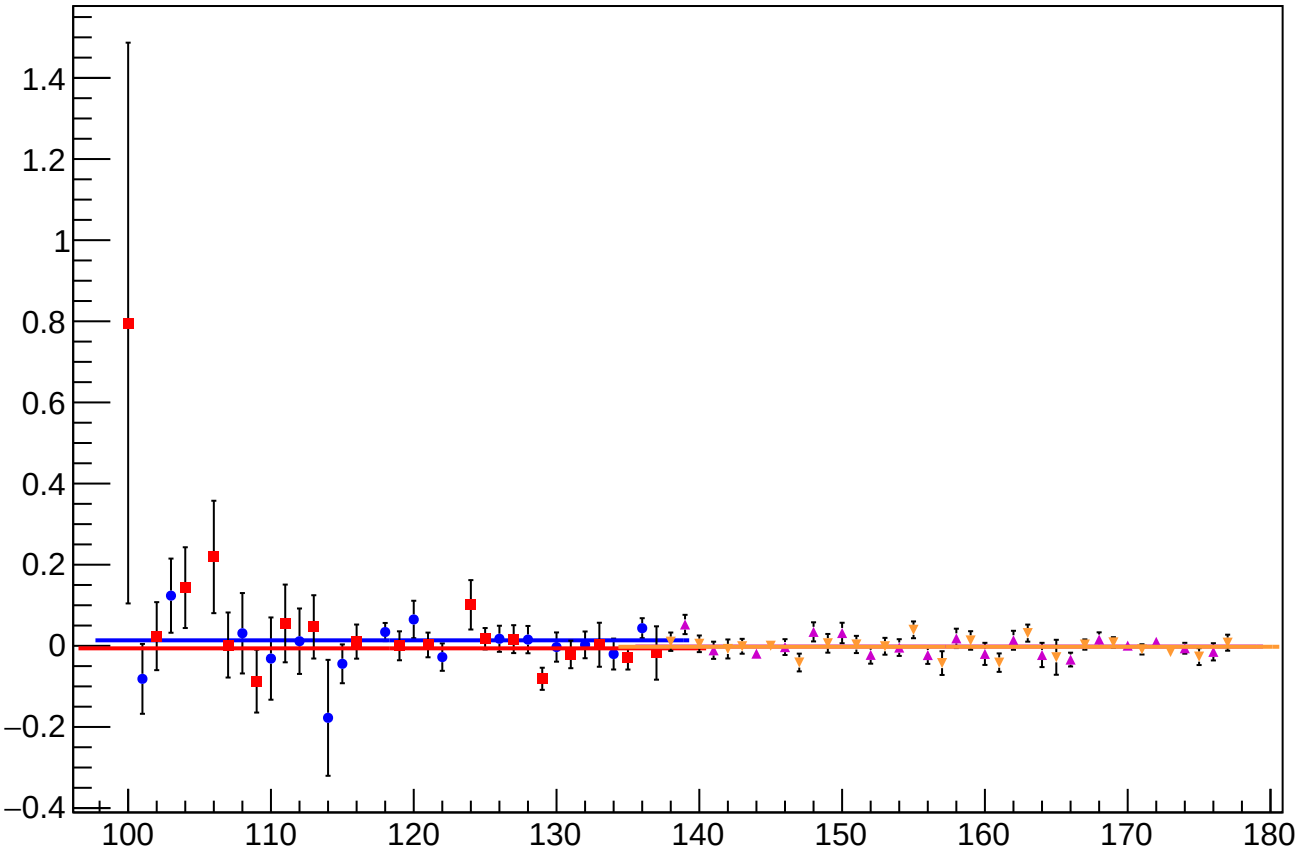
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.606+/-0.003 χ^2/NDF:3070000.0/18

\+ sign 15.831+/-0.003 χ^2/NDF: 6704751.8/36

All: 15.856+/-0.002 χ^2/NDF: 14118409.3/74

\- sign 15.883+/-0.003 χ^2/NDF: 7413455.5/37



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

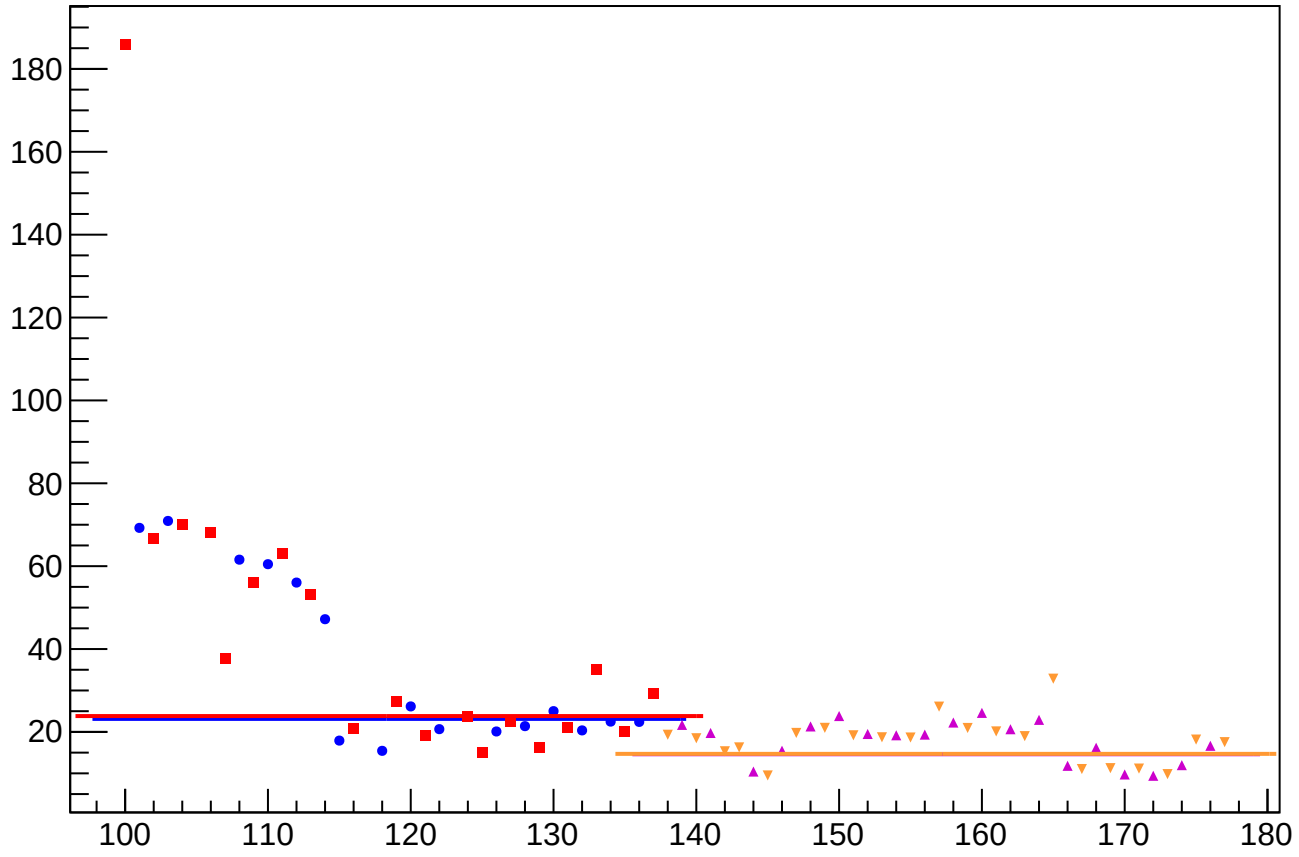
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.004 χ^2/NDF:21.8/18

+ sign -0.000+/-0.004 χ^2/NDF: 34.9/36

All: -0.001+/-0.003 χ^2/NDF: 78.5/74

- sign -0.002+/-0.004 χ^2/NDF: 43.4/37



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.703+/-0.003 χ^2/NDF:3024781.2/20

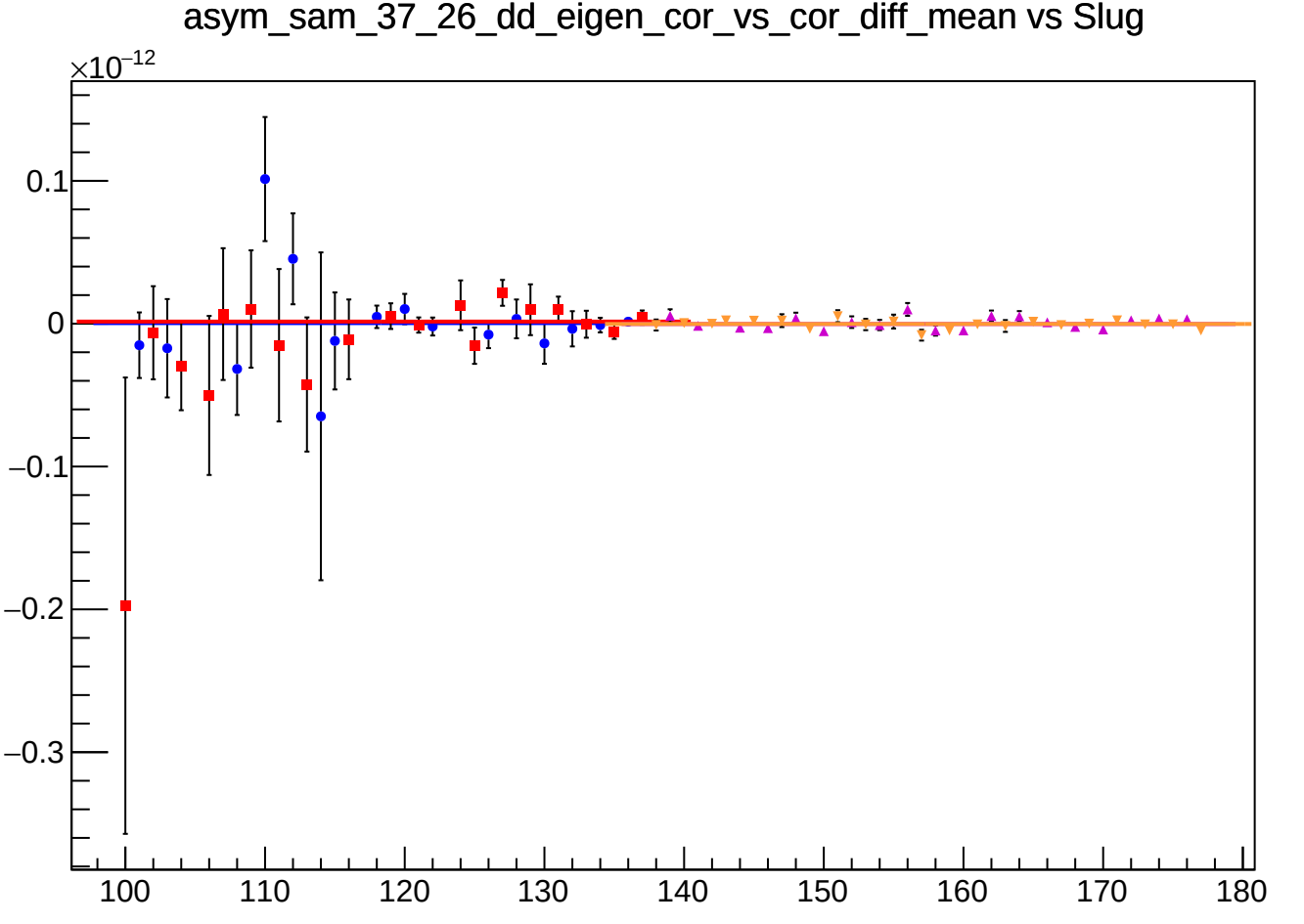
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.606+/-0.003 χ^2/NDF:3070000.0/18

+ sign 15.831+/-0.003 χ^2/NDF: 6704751.8/36

All: 15.856+/-0.002 χ^2/NDF: 14118409.3/74

- sign 15.883+/-0.003 χ^2/NDF: 7413455.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/20

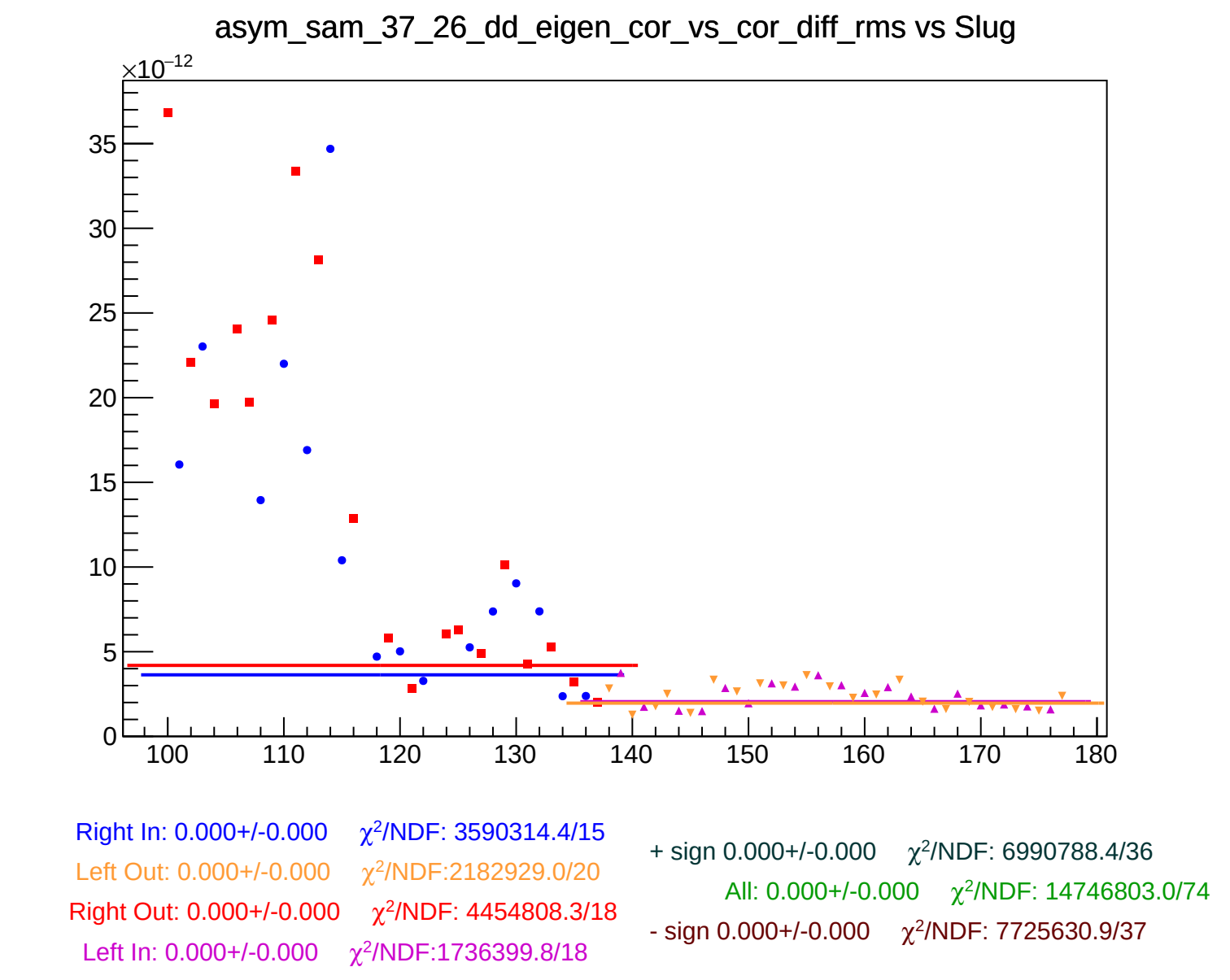
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:32.2/18

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/36

All: -0.000+/-0.000 χ^2/NDF: 77.3/74

- sign -0.000+/-0.000 χ^2/NDF: 48.3/37


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
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110
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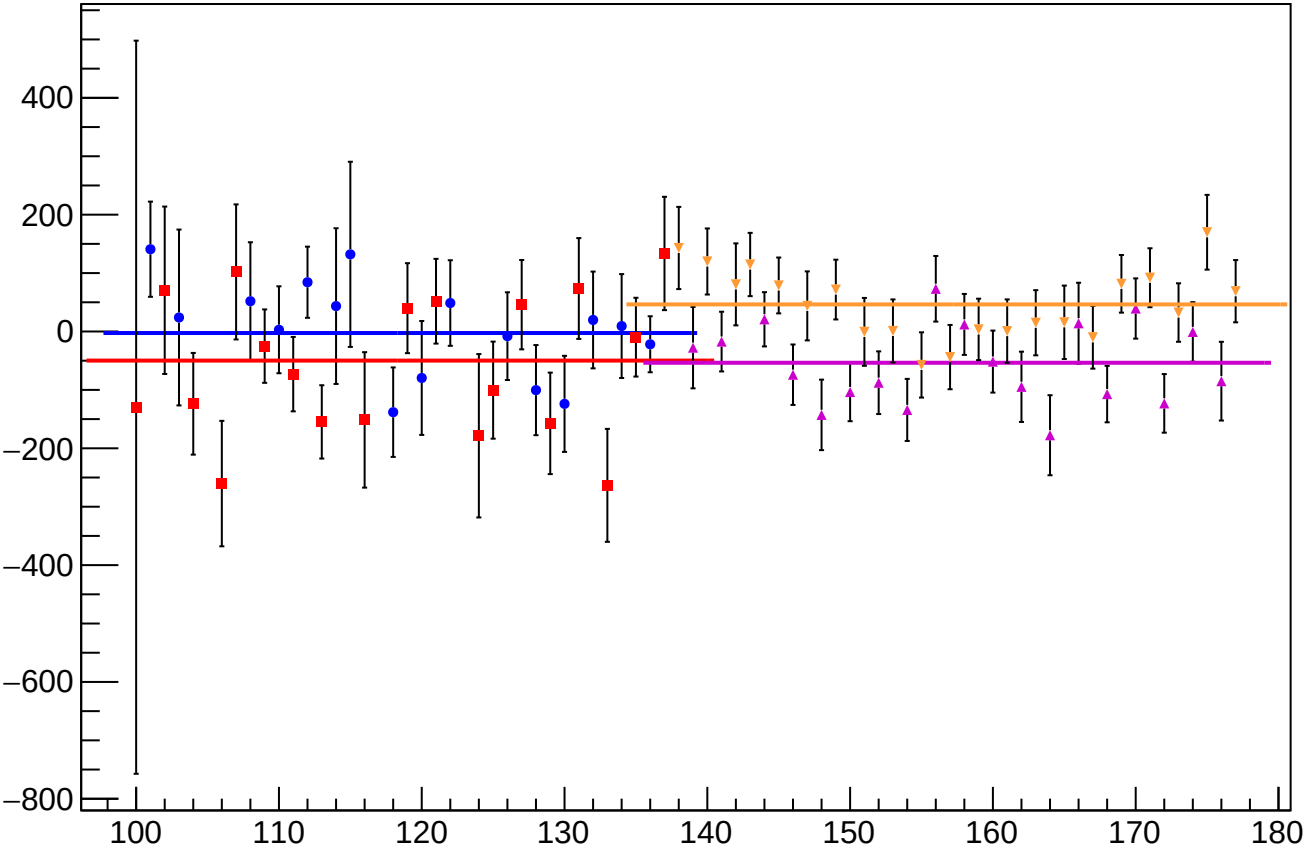
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2182929.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1736399.8/18
+ sign 0.000+/-0.000 χ²/NDF: 6990788.4/36
All: 0.000+/-0.000 χ²/NDF: 14746803.0/74
- sign 0.000+/-0.000 χ²/NDF: 7725630.9/37

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 46.368+/-12.060 χ^2/NDF:21.9/20

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

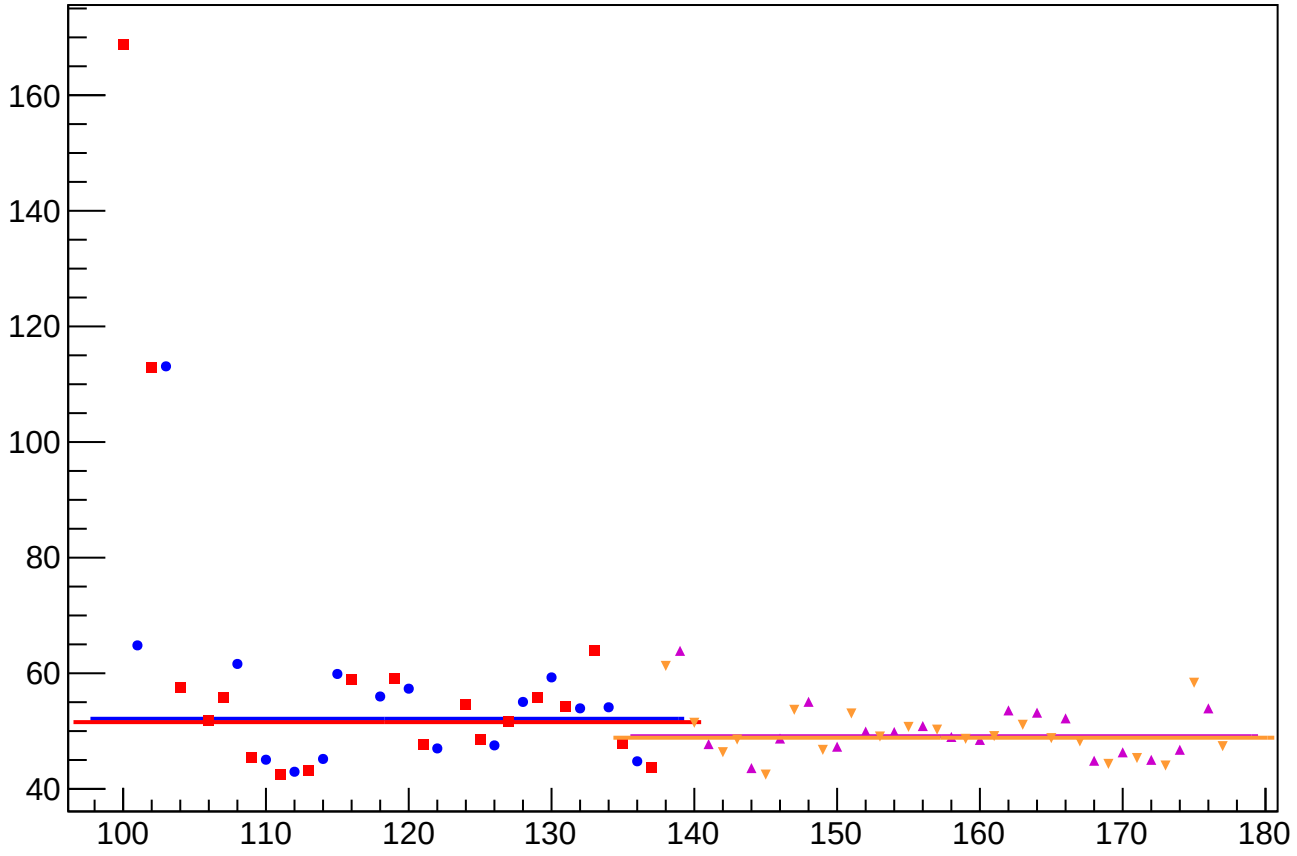
Left In: -53.551+/-12.554 χ^2/NDF:28.3/18

+ sign 33.301+/-10.327 χ^2/NDF: 40.9/36

All: -8.565+/-7.388 χ^2/NDF: 132.3/74

- sign -52.465+/-10.575 χ^2/NDF: 57.7/37

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.855+/-0.009 χ^2/NDF:229674.7/20

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

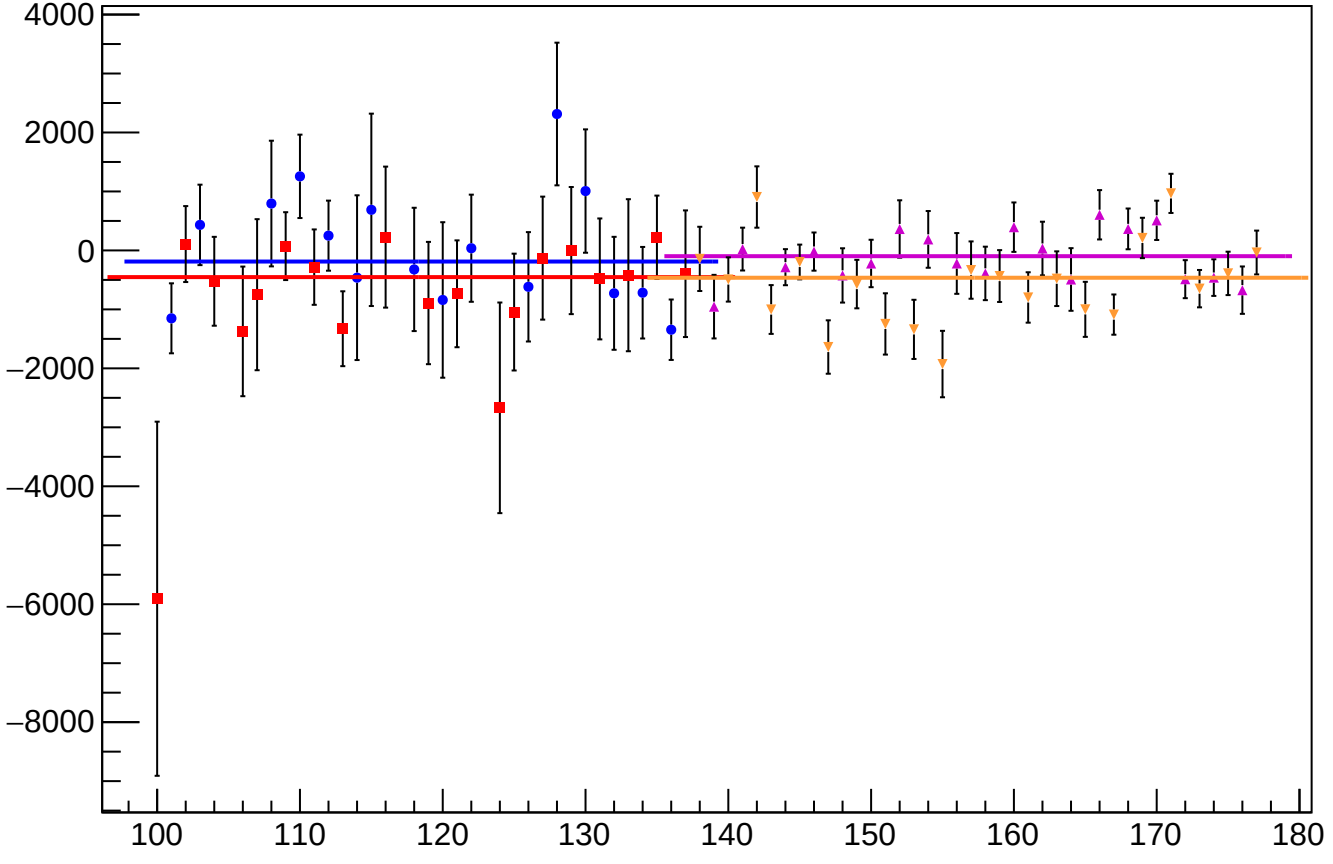
Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

\+ sign 49.728+/-0.007 χ^2/NDF: 831907.0/36

All: 49.772+/-0.005 χ^2/NDF: 1709193.0/74

\- sign 49.819+/-0.007 χ^2/NDF: 877210.7/37

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -463.355+/-88.380 χ^2/NDF:58.2/20

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

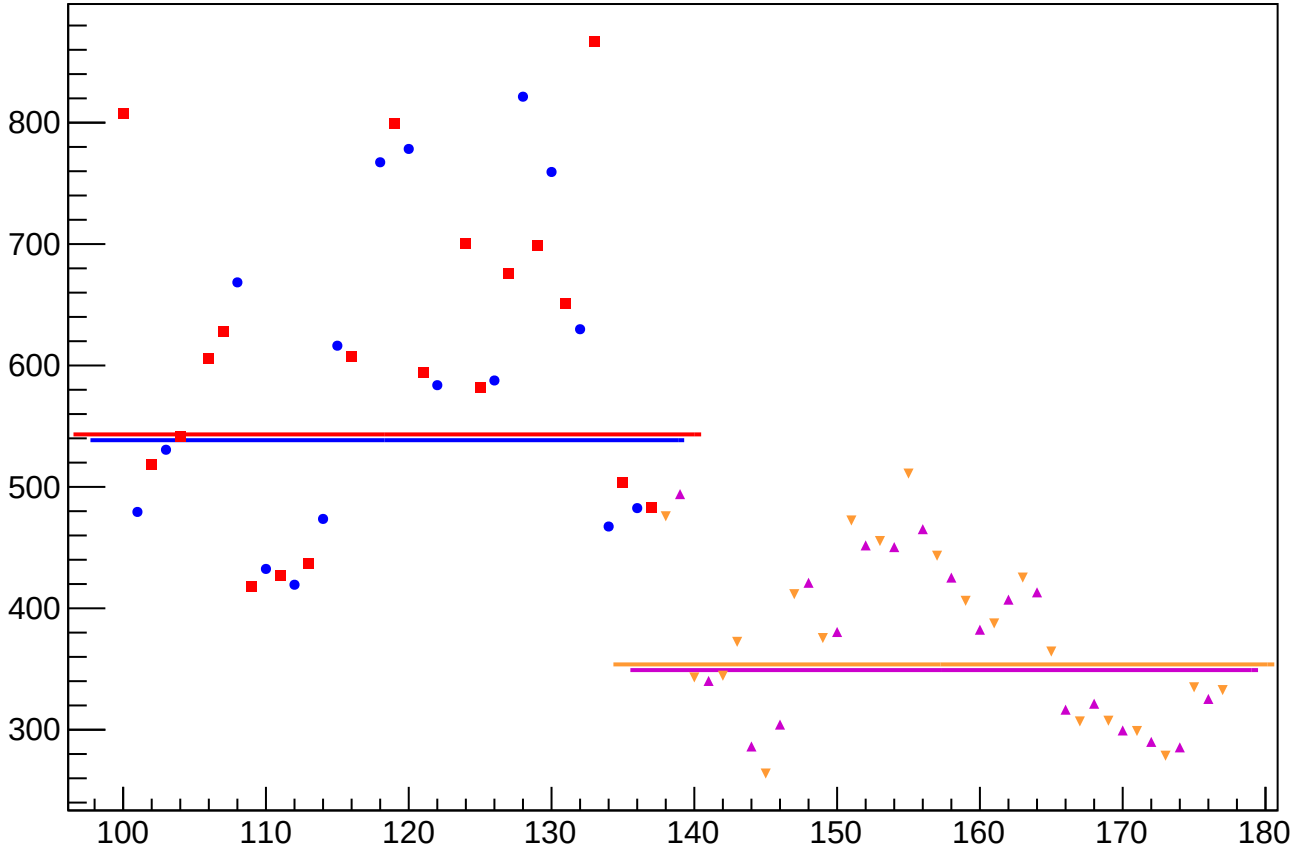
Left In: -97.715+/-90.281 χ^2/NDF:20.2/18

+ sign -420.571+/-81.209 χ^2/NDF: 81.0/36

All: -290.390+/-57.893 χ^2/NDF: 120.3/74

- sign -155.867+/-82.552 χ^2/NDF: 34.1/37

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 353.805+/-0.062 χ^2/NDF:1083160.6/20

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

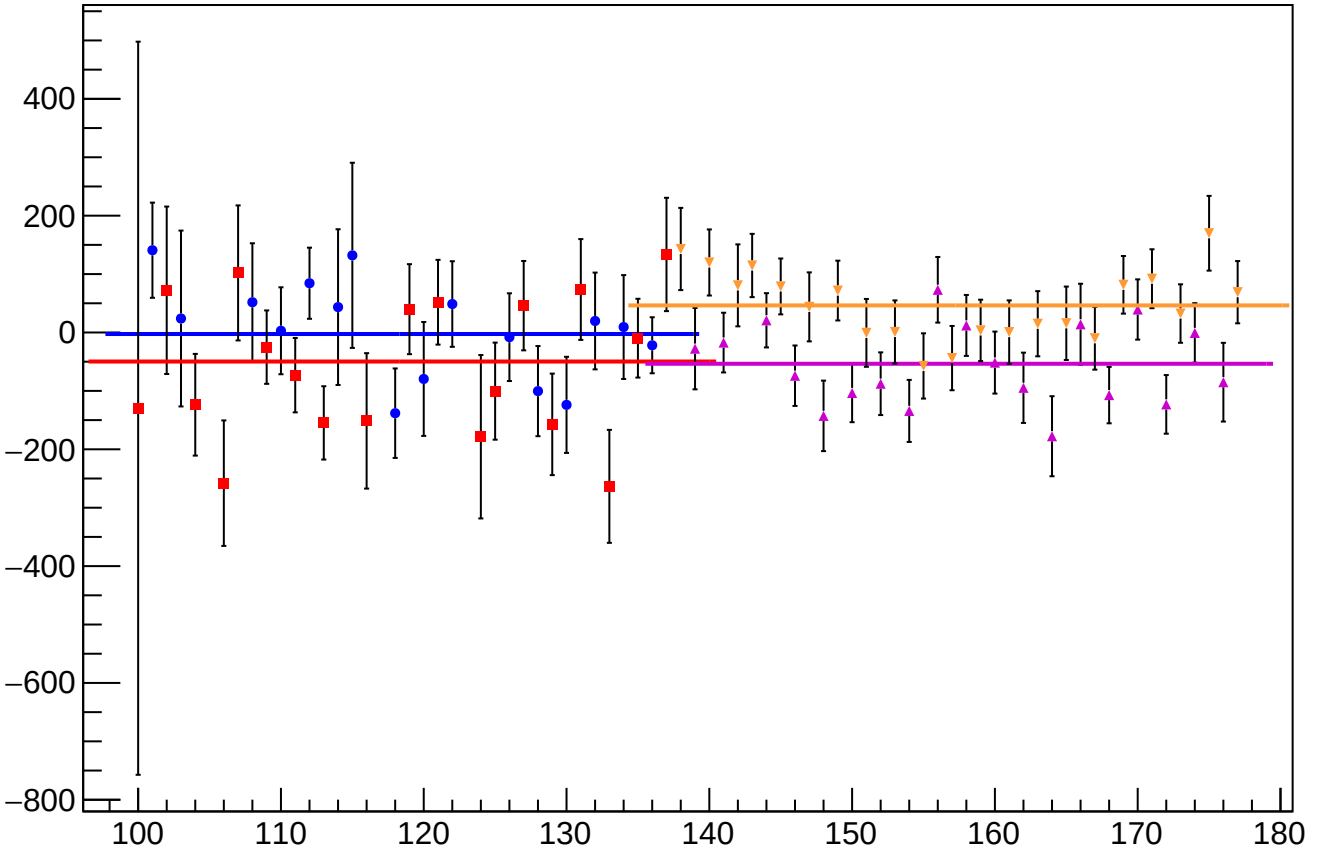
Left In: 349.121+/-0.064 χ^2/NDF:967672.3/18

+ sign 382.556+/-0.057 χ^2/NDF: 3056574.5/36

All: 381.758+/-0.041 χ^2/NDF: 6177163.2/74

- sign 380.935+/-0.058 χ^2/NDF: 3120196.9/37

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 46.369+/-12.060 χ^2/NDF:21.9/20

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

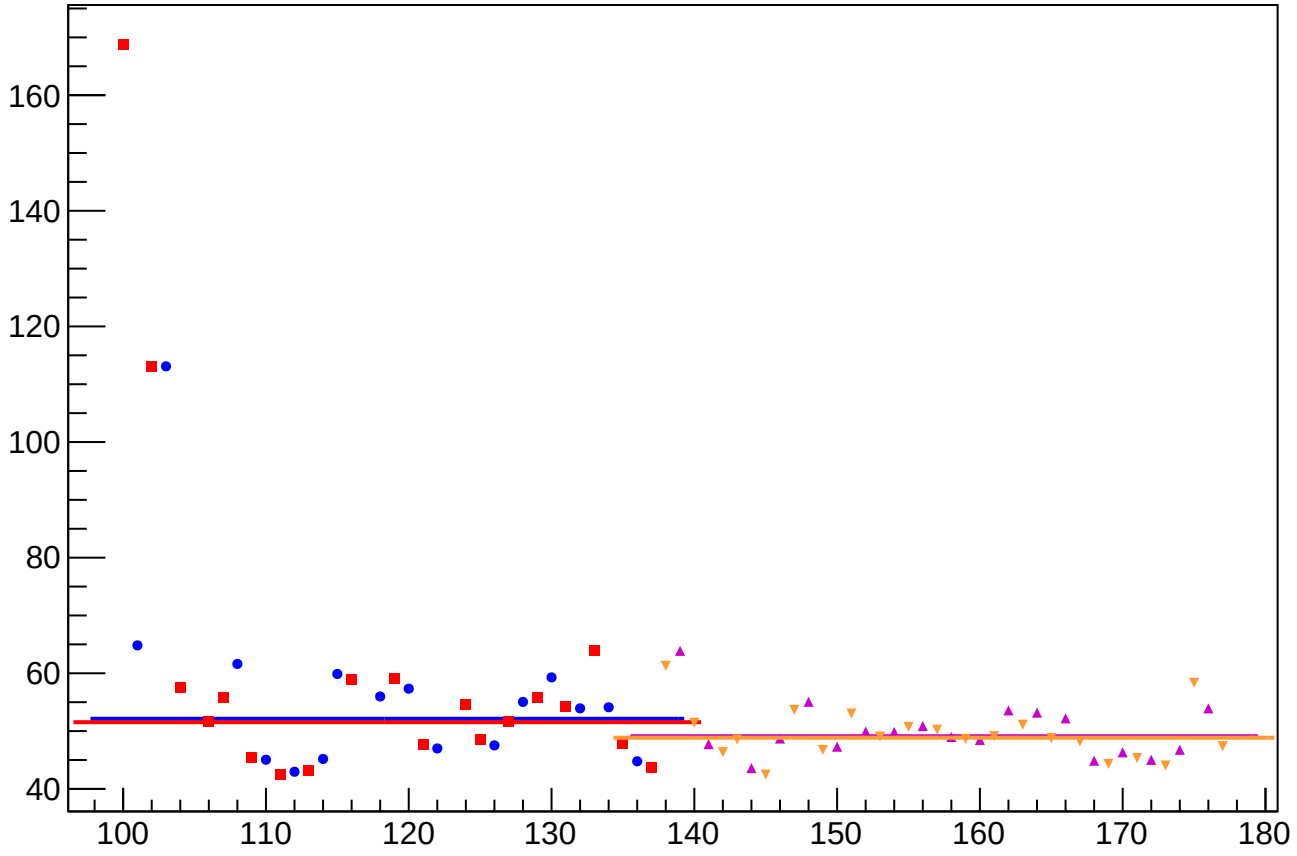
Left In: -53.551+/-12.554 χ^2/NDF:28.3/18

+ sign 33.301+/-10.327 χ^2/NDF: 40.9/36

All: -8.548+/-7.389 χ^2/NDF: 132.2/74

- sign -52.430+/-10.575 χ^2/NDF: 57.6/37

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.855+/-0.009 χ^2/NDF:229674.7/20

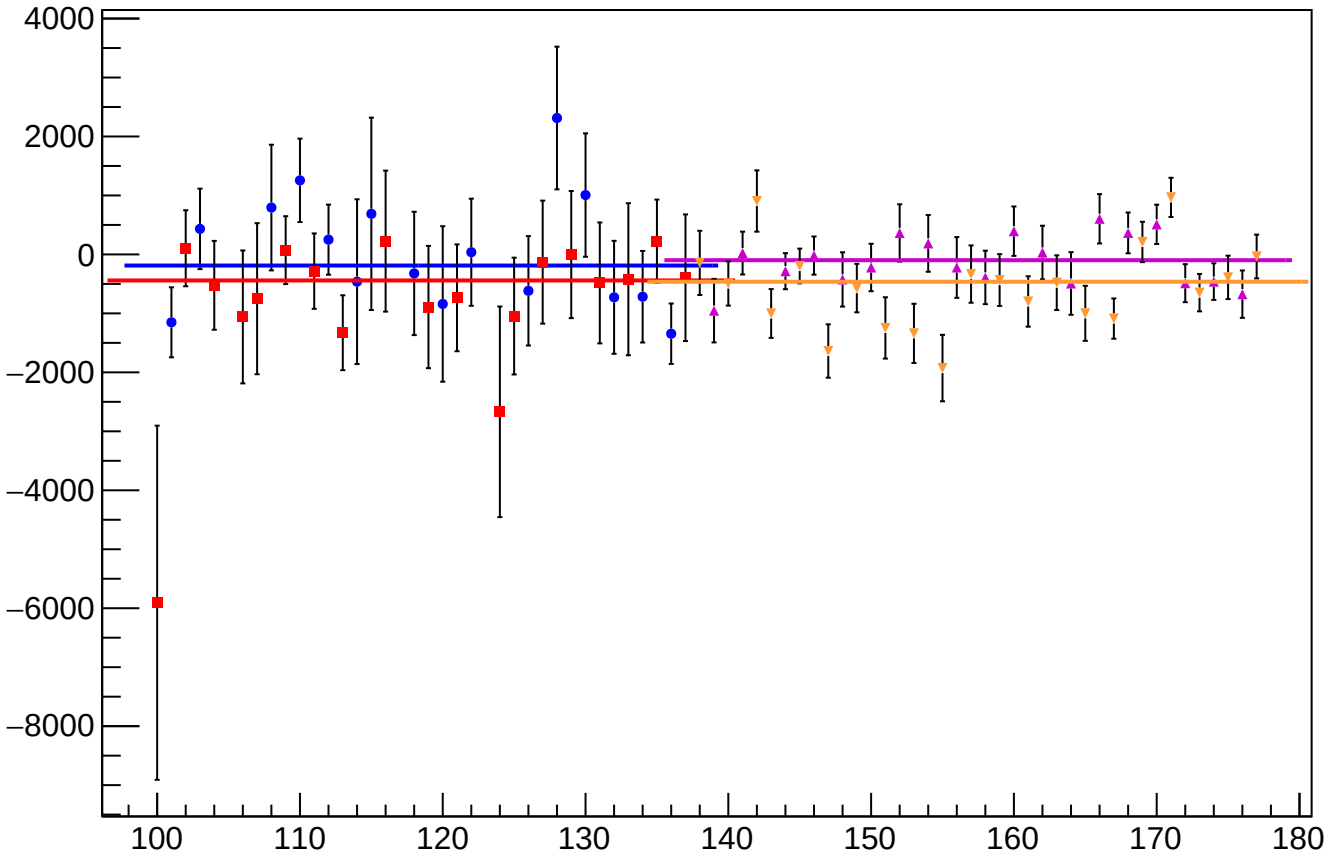
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

+ sign 49.728+/-0.007 χ^2/NDF: 831909.2/36

All: 49.771+/-0.005 χ^2/NDF: 1709224.4/74

- sign 49.816+/-0.007 χ^2/NDF: 877244.8/37



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -463.352+/-88.380 χ^2/NDF:58.2/20

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

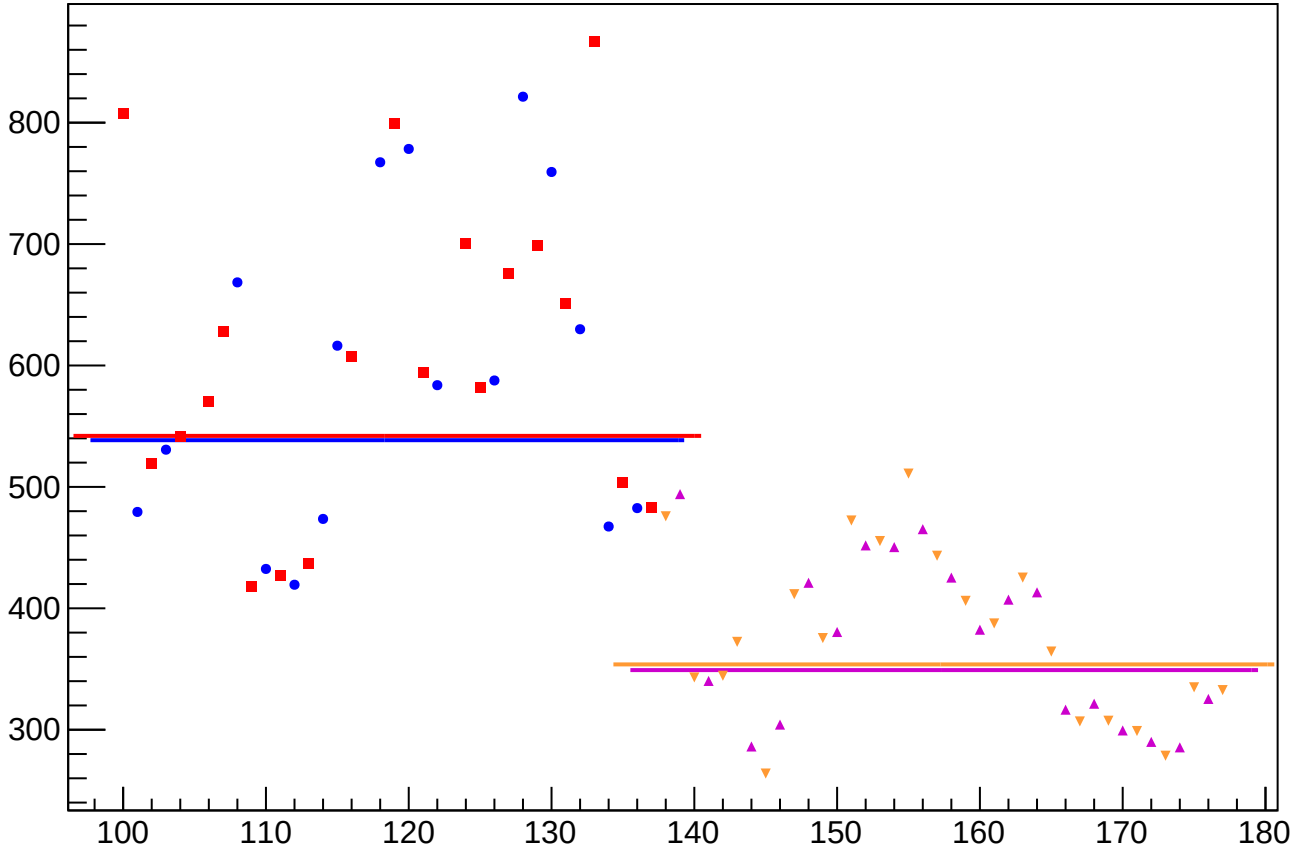
Left In: -97.716+/-90.281 χ^2/NDF:20.2/18

+ sign -420.566+/-81.209 χ^2/NDF: 81.0/36

All: -289.448+/-57.897 χ^2/NDF: 119.8/74

- sign -153.915+/-82.565 χ^2/NDF: 33.5/37

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 353.804+/-0.062 χ^2/NDF:1083165.0/20

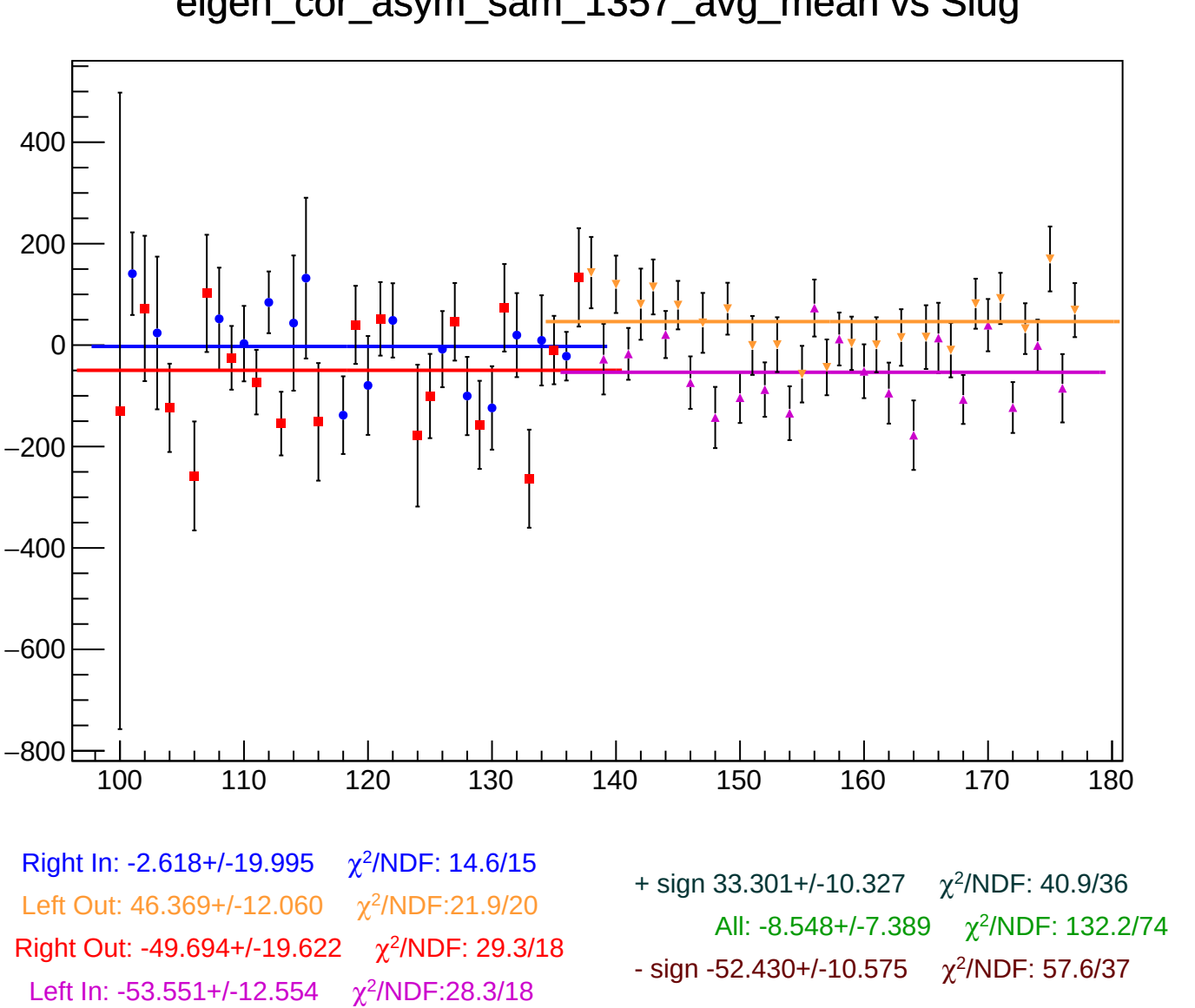
Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 349.120+/-0.064 χ^2/NDF:967671.8/18

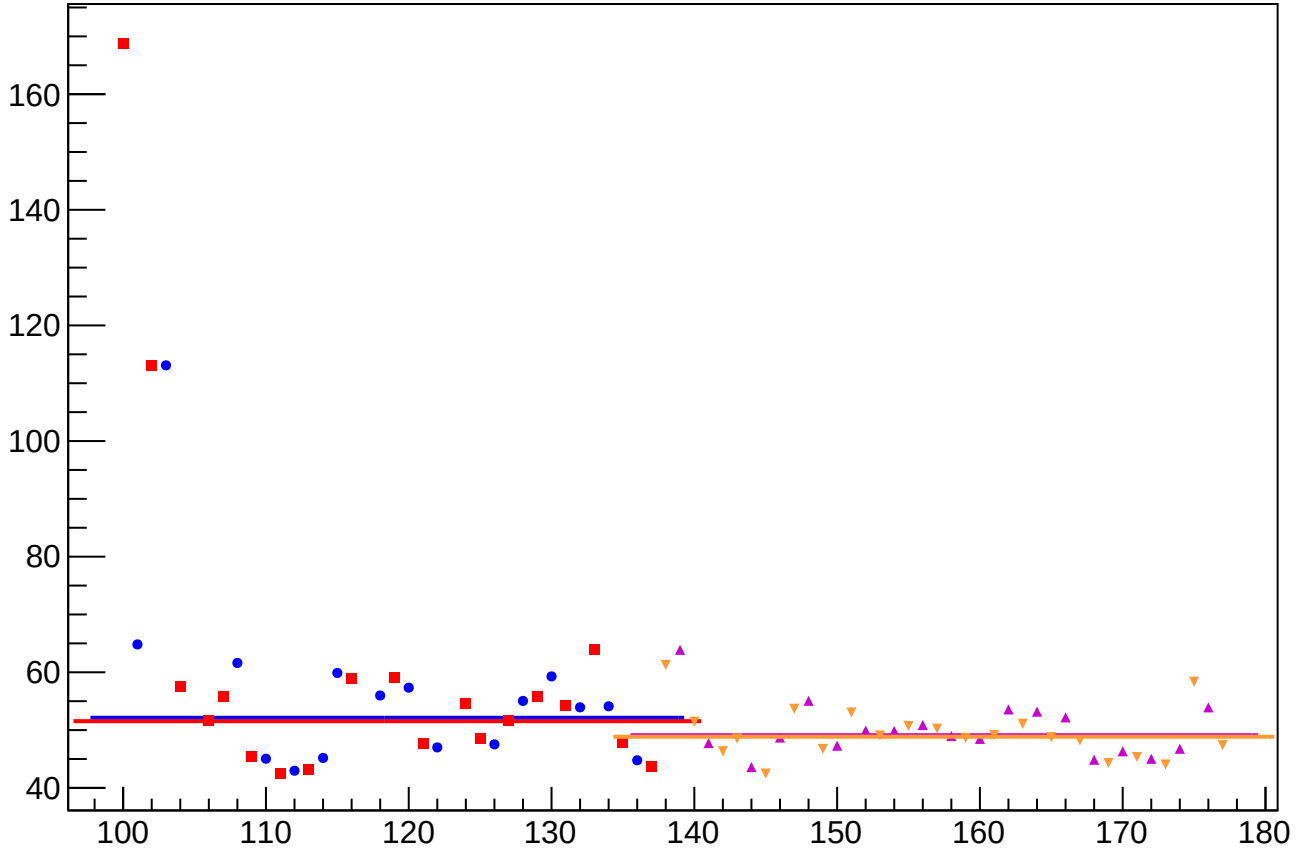
+ sign 382.556+/-0.057 χ^2/NDF: 3056634.1/36

All: 381.636+/-0.041 χ^2/NDF: 6150498.5/74

- sign 380.685+/-0.058 χ^2/NDF: 3093342.8/37


eigen_cor_asym_sam_1357_avg_mean vs Slug
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
Right In: -2.618+/-19.995 χ²/NDF: 14.6/15
Left Out: 46.369+/-12.060 χ²/NDF:21.9/20
Right Out: -49.694+/-19.622 χ²/NDF: 29.3/18
Left In: -53.551+/-12.554 χ²/NDF:28.3/18
+ sign 33.301+/-10.327 χ²/NDF: 40.9/36
All: -8.548+/-7.389 χ²/NDF: 132.2/74
- sign -52.430+/-10.575 χ²/NDF: 57.6/37

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.855+/-0.009 χ^2/NDF:229674.7/20

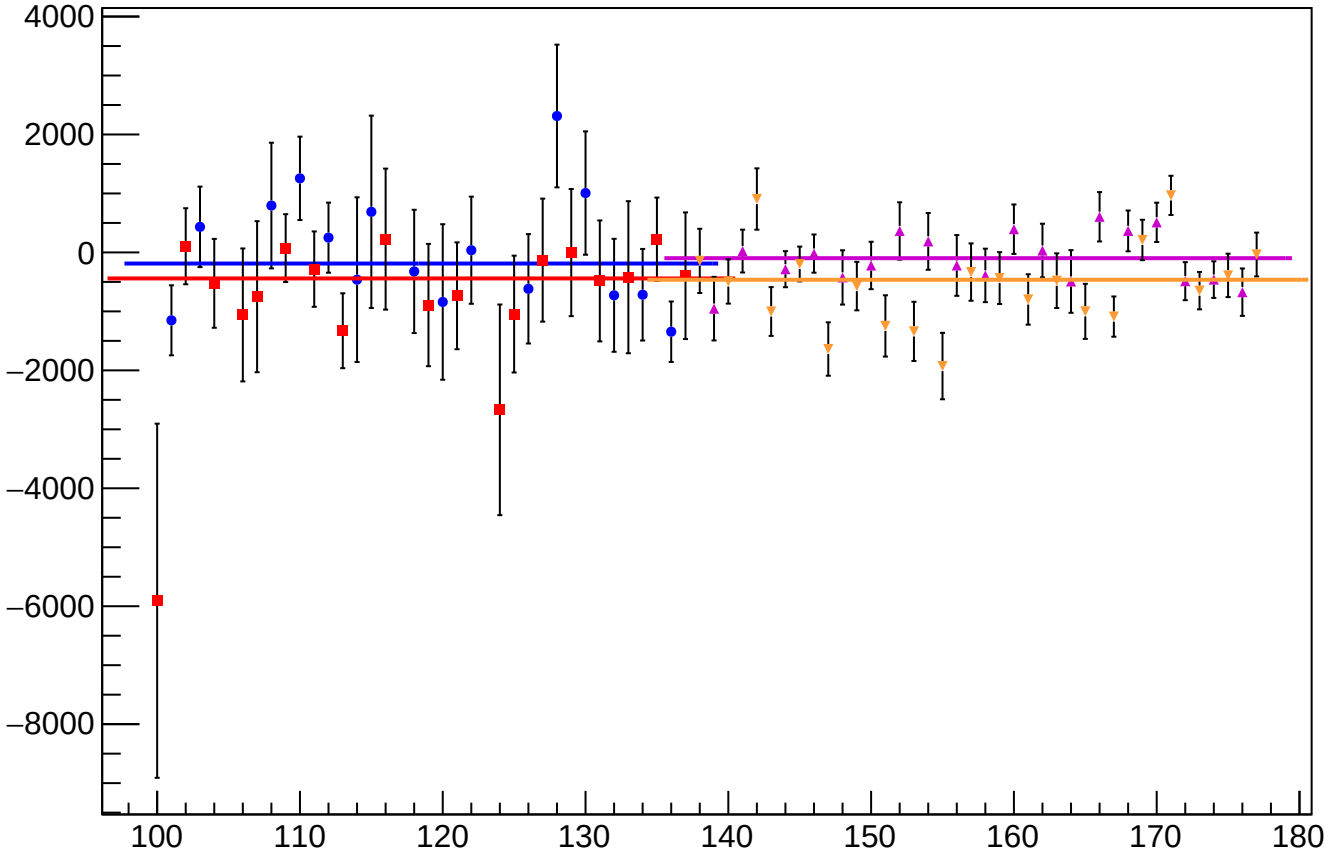
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

\+ sign 49.728+/-0.007 χ^2/NDF: 831909.2/36

All: 49.771+/-0.005 χ^2/NDF: 1709224.4/74

\- sign 49.816+/-0.007 χ^2/NDF: 877244.8/37



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -463.352+/-88.380 χ^2/NDF:58.2/20

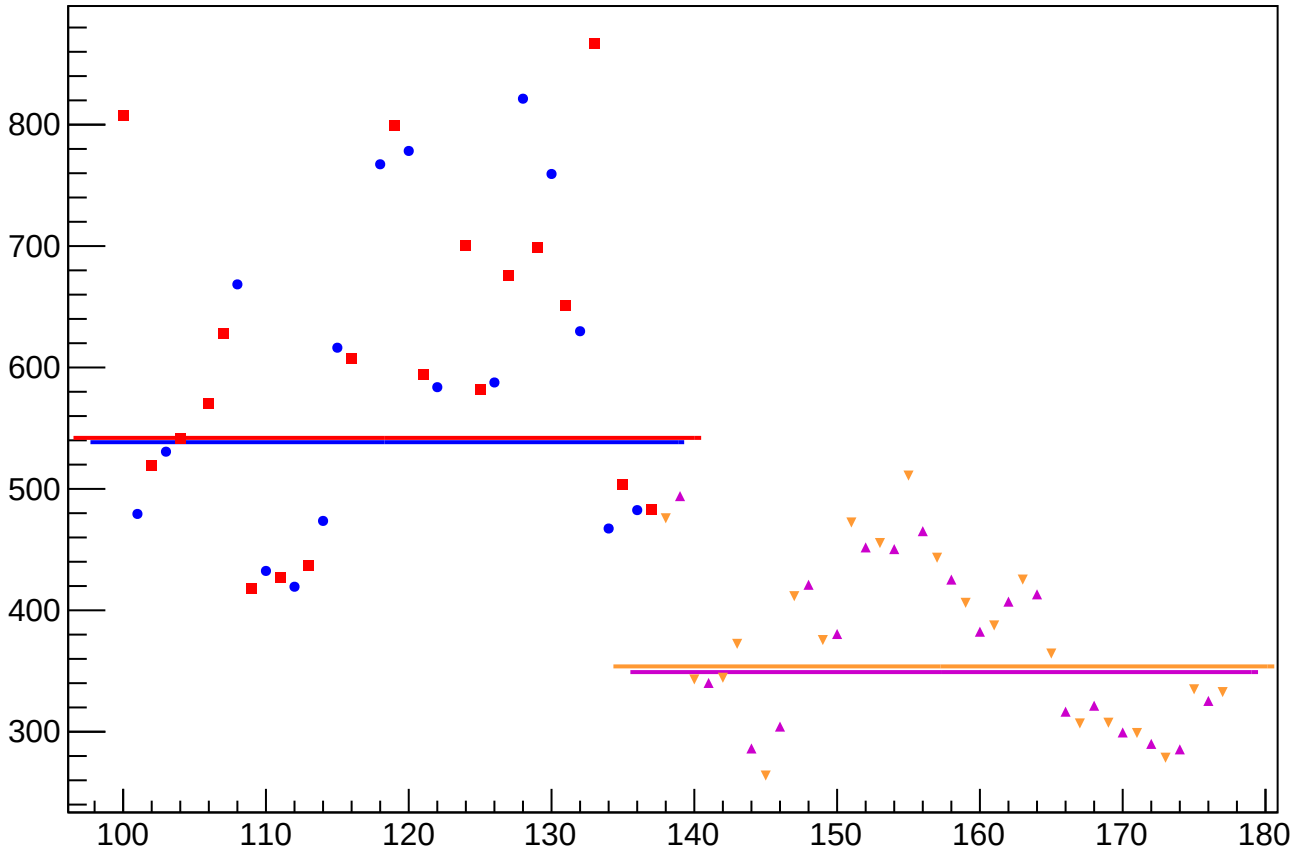
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -97.716+/-90.281 χ^2/NDF:20.2/18

+ sign -420.566+/-81.209 χ^2/NDF: 81.0/36

All: -289.448+/-57.897 χ^2/NDF: 119.8/74

- sign -153.915+/-82.565 χ^2/NDF: 33.5/37



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 353.804+/-0.062 χ^2/NDF:1083165.0/20

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

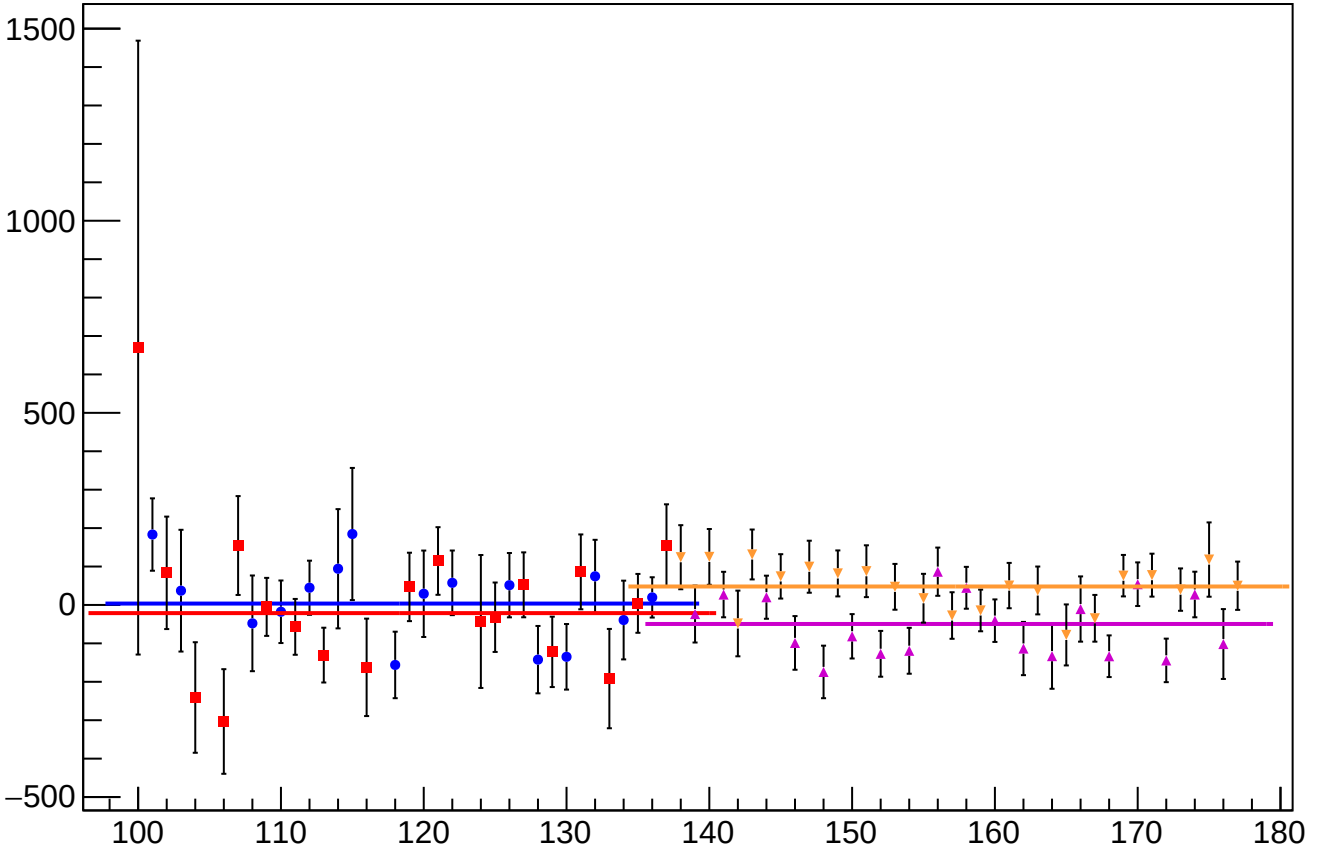
Left In: 349.120+/-0.064 χ^2/NDF:967671.8/18

+ sign 382.556+/-0.057 χ^2/NDF: 3056634.1/36

All: 381.636+/-0.041 χ^2/NDF: 6150498.5/74

- sign 380.685+/-0.058 χ^2/NDF: 3093342.8/37

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.042+/-13.877 χ^2/NDF:14.9/20

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

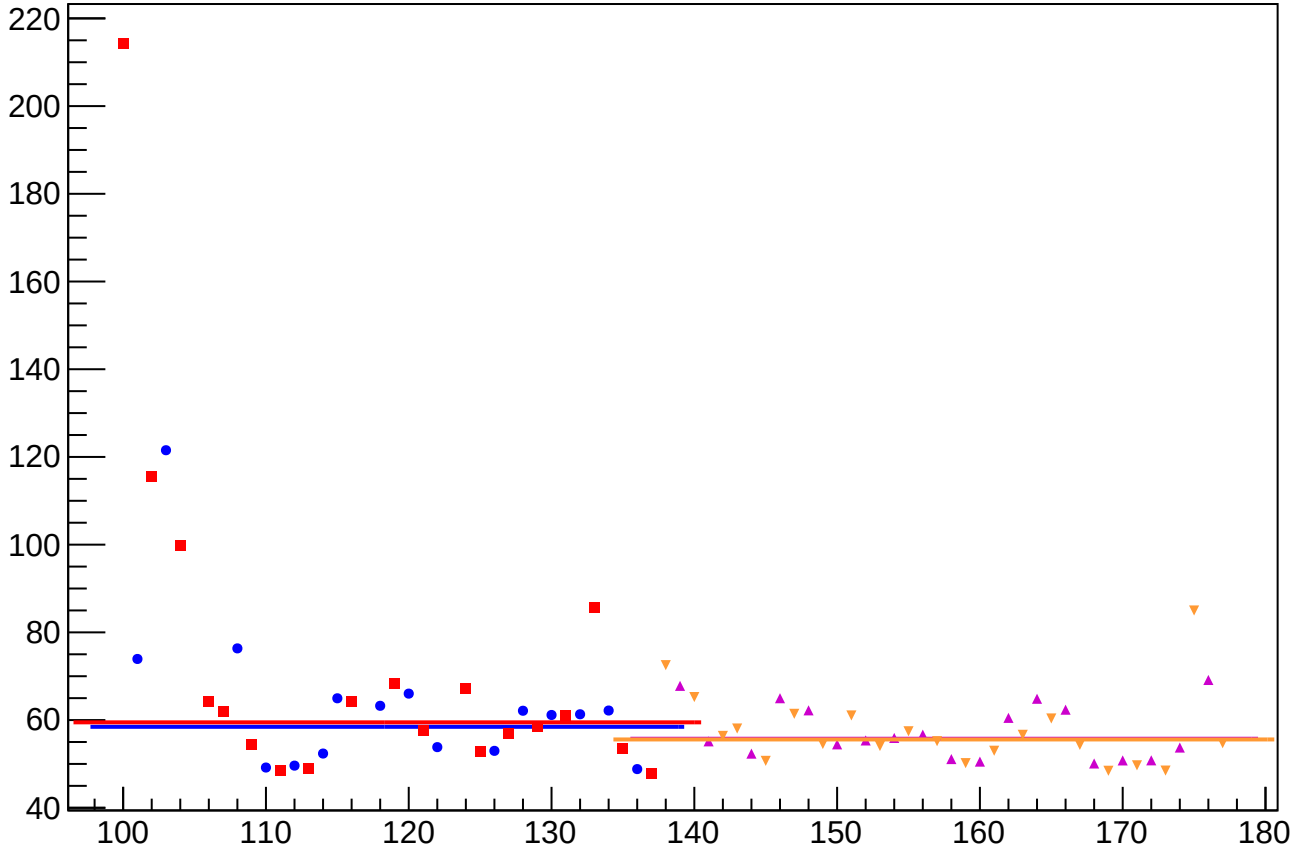
Left In: -49.526+/-14.381 χ^2/NDF:30.8/18

+ sign 35.780+/-11.808 χ^2/NDF: 33.9/36

All: -1.710+/-8.471 χ^2/NDF: 111.0/74

- sign -41.463+/-12.159 χ^2/NDF: 56.3/37

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 55.581+/-0.010 χ^2/NDF:475208.2/20

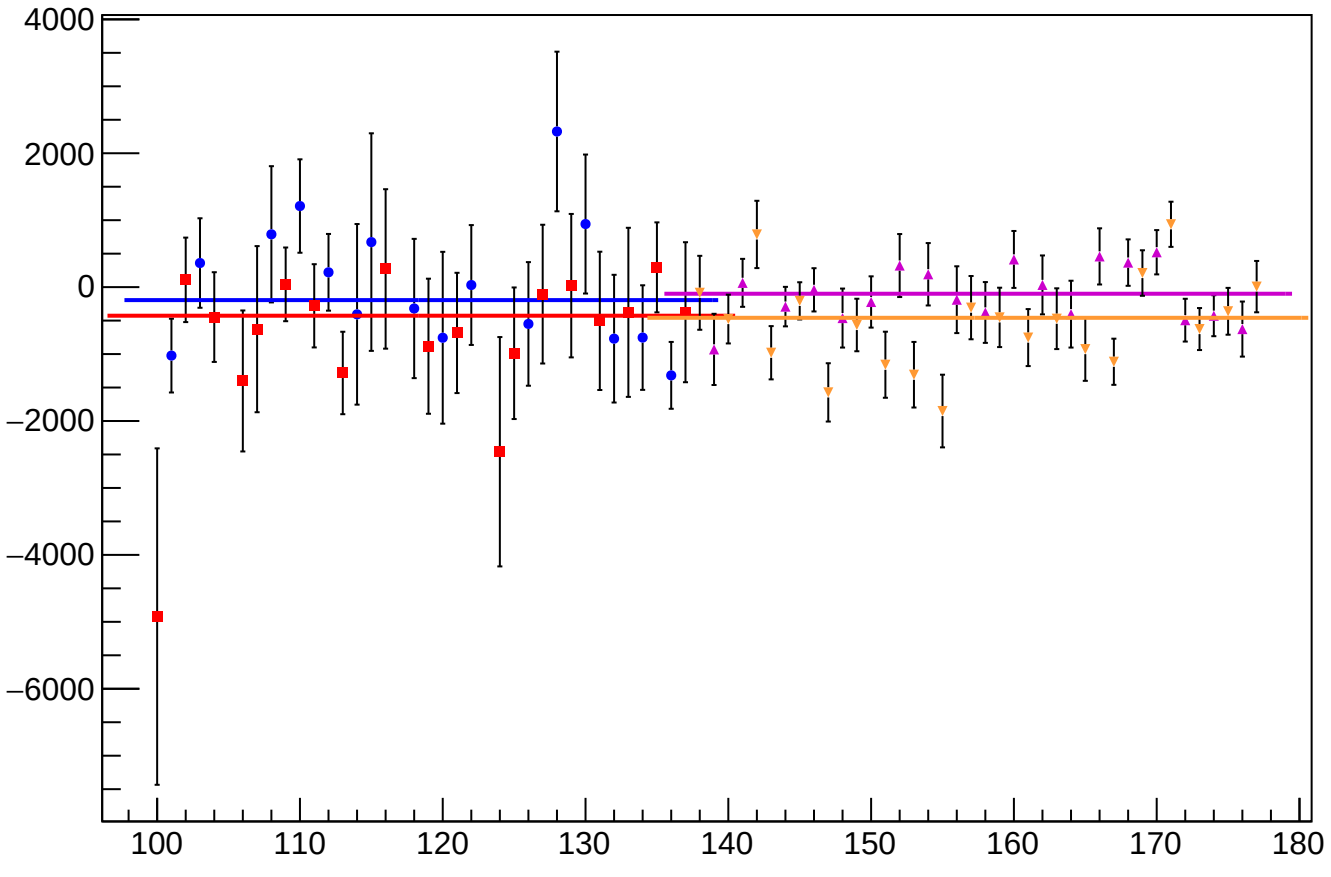
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 55.744+/-0.010 χ^2/NDF:289434.6/18

+ sign 56.377+/-0.008 χ^2/NDF: 1082027.2/36

All: 56.588+/-0.006 χ^2/NDF: 2196217.6/74

- sign 56.811+/-0.009 χ^2/NDF: 1112880.5/37



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -458.324+/-86.767 χ^2/NDF:55.4/20

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

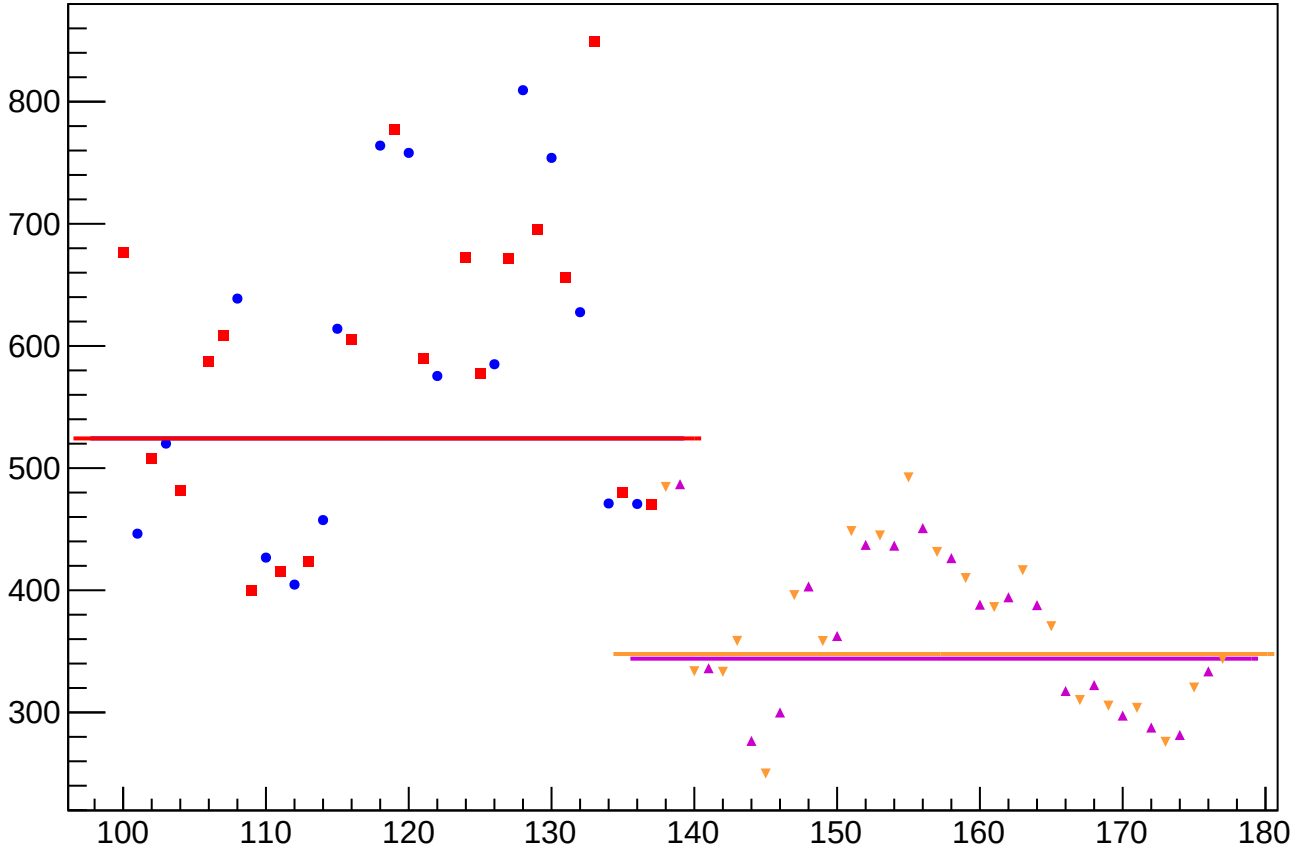
Left In: -98.809+/-88.885 χ^2/NDF:18.8/18

+ sign -416.651+/-79.637 χ^2/NDF: 77.7/36

All: -287.741+/-56.794 χ^2/NDF: 115.5/74

- sign -154.313+/-81.020 χ^2/NDF: 32.4/37

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 347.818+/-0.061 χ^2/NDF:1081019.9/20

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

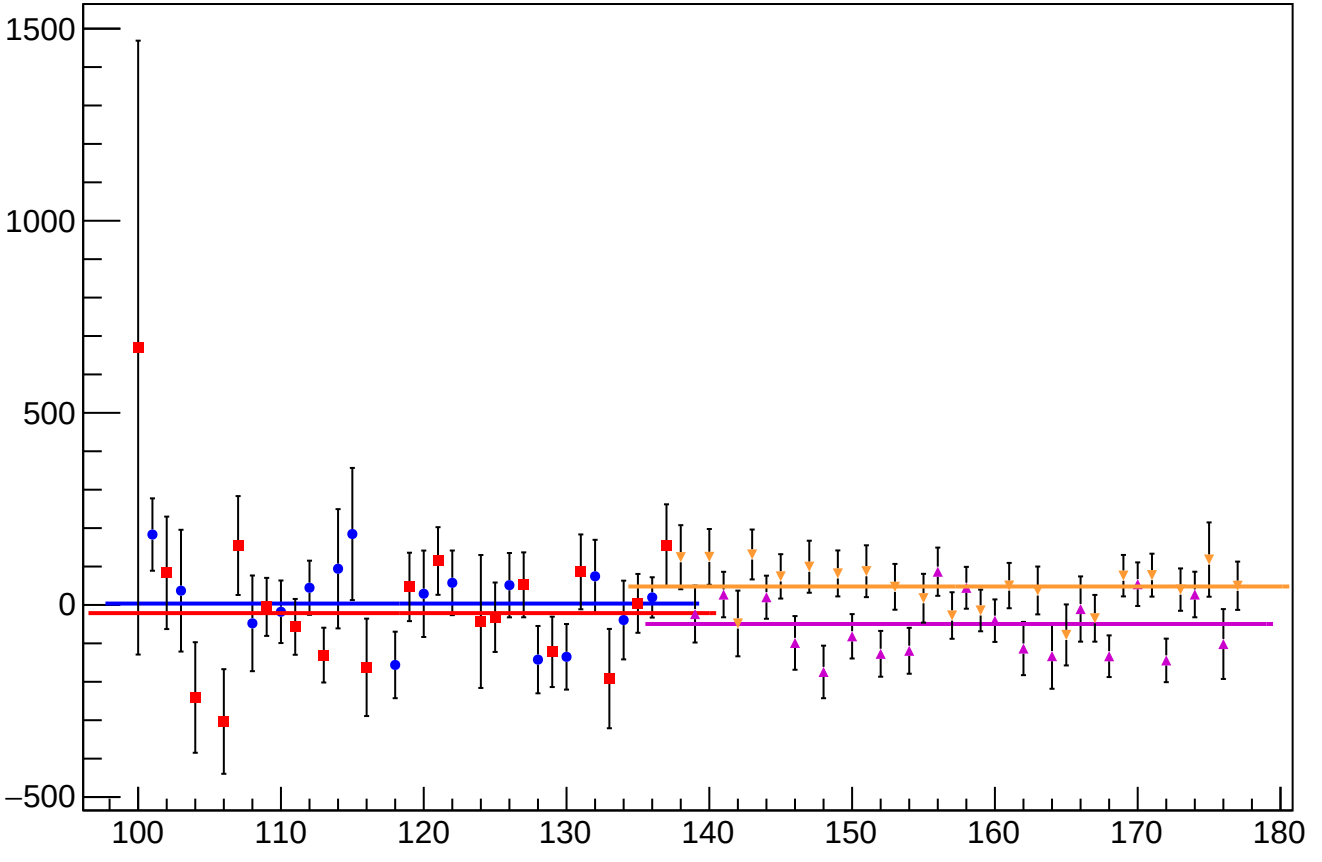
Left In: 343.999+/-0.063 χ^2/NDF:907462.1/18

\+ sign 375.635+/-0.056 χ^2/NDF: 3043884.2/36

All: 375.075+/-0.040 χ^2/NDF: 6029592.3/74

\- sign 374.495+/-0.057 χ^2/NDF: 2985506.6/37

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.043+/-13.877 χ^2/NDF:14.9/20

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

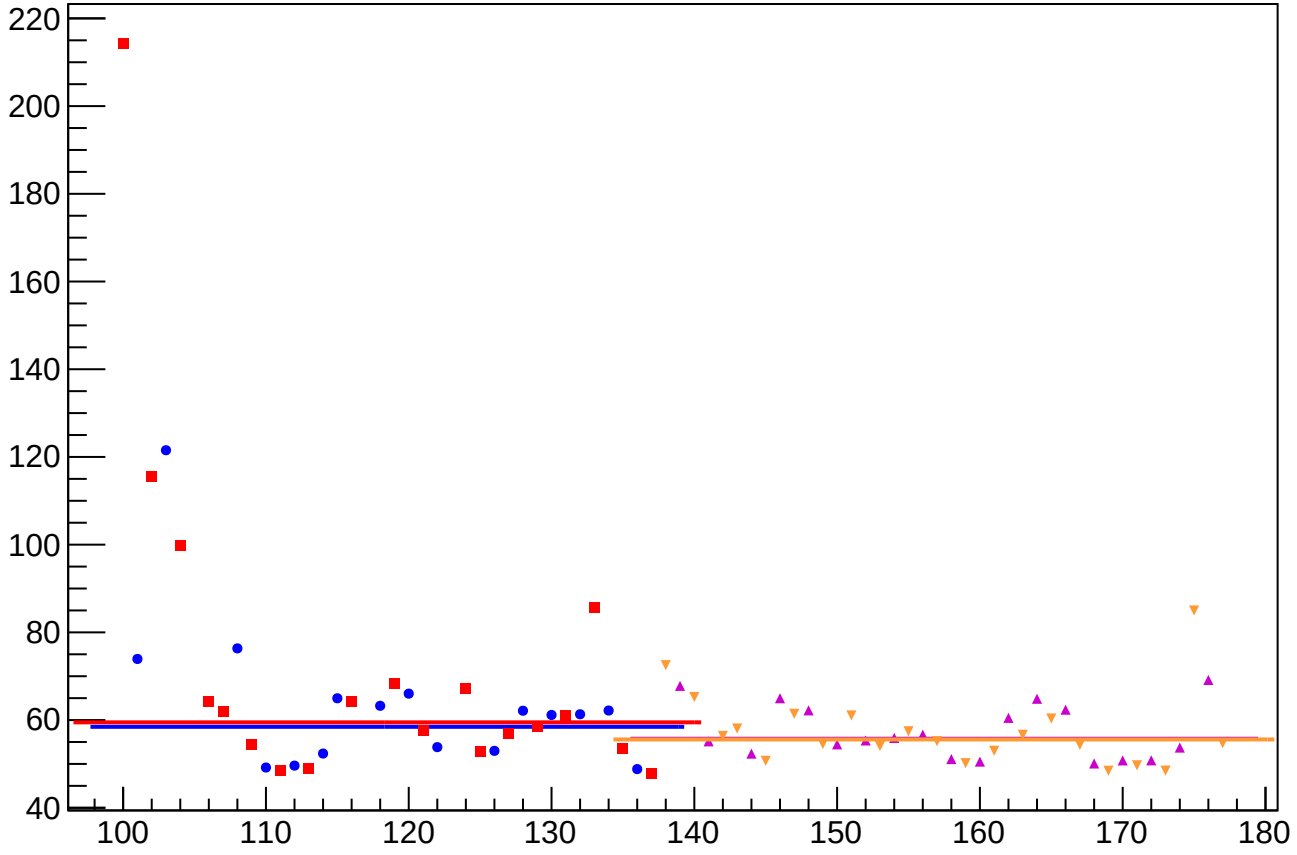
Left In: -49.525+/-14.382 χ^2/NDF:30.8/18

+ sign 35.780+/-11.808 χ^2/NDF: 33.9/36

All: -1.710+/-8.471 χ^2/NDF: 111.0/74

- sign -41.462+/-12.159 χ^2/NDF: 56.3/37

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 55.582+/-0.010 χ^2/NDF:475213.2/20

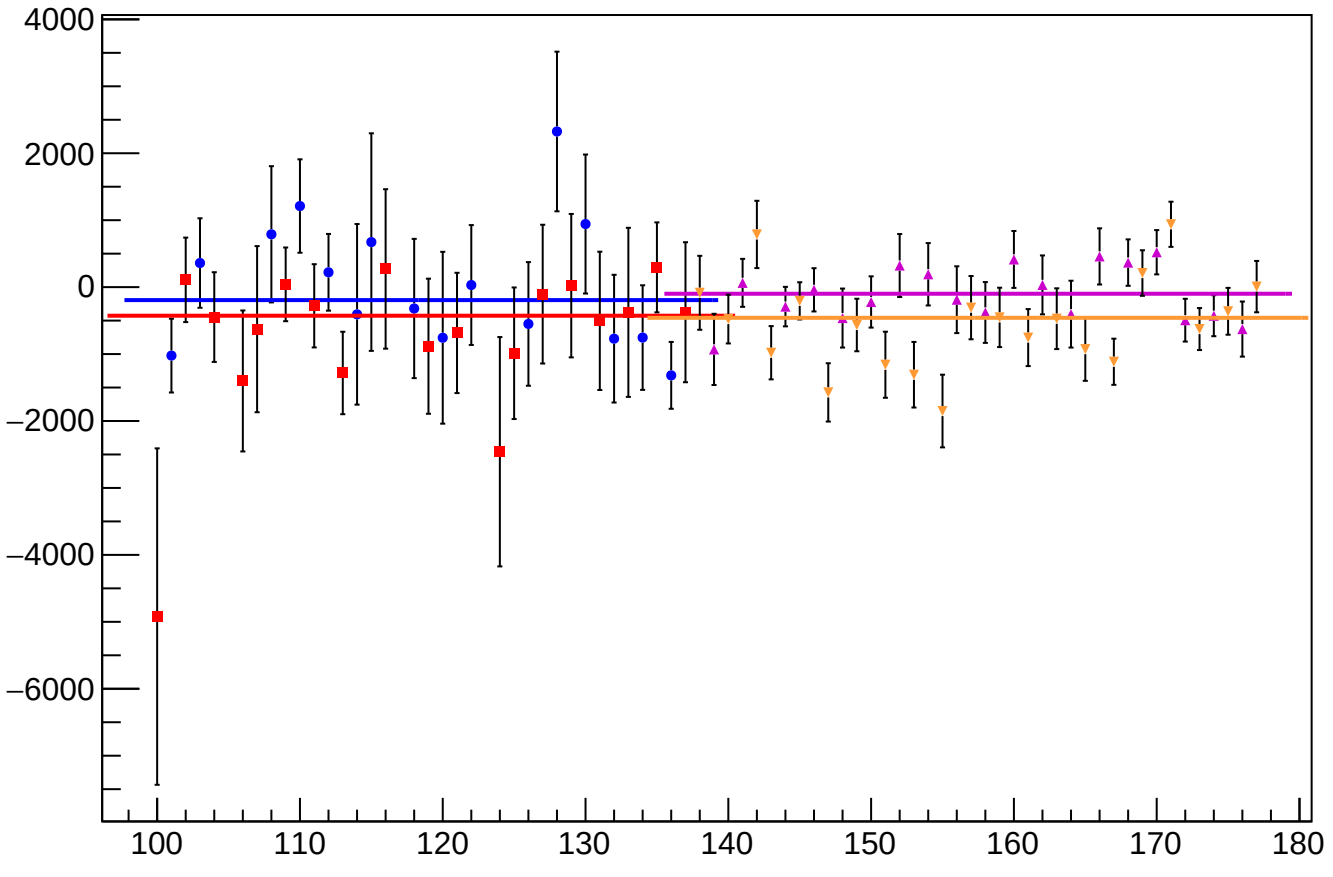
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.745+/-0.010 χ^2/NDF:289431.9/18

+ sign 56.377+/-0.008 χ^2/NDF: 1082028.5/36

All: 56.588+/-0.006 χ^2/NDF: 2196216.3/74

- sign 56.811+/-0.009 χ^2/NDF: 1112877.6/37



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -458.324+/-86.767 χ^2/NDF:55.4/20

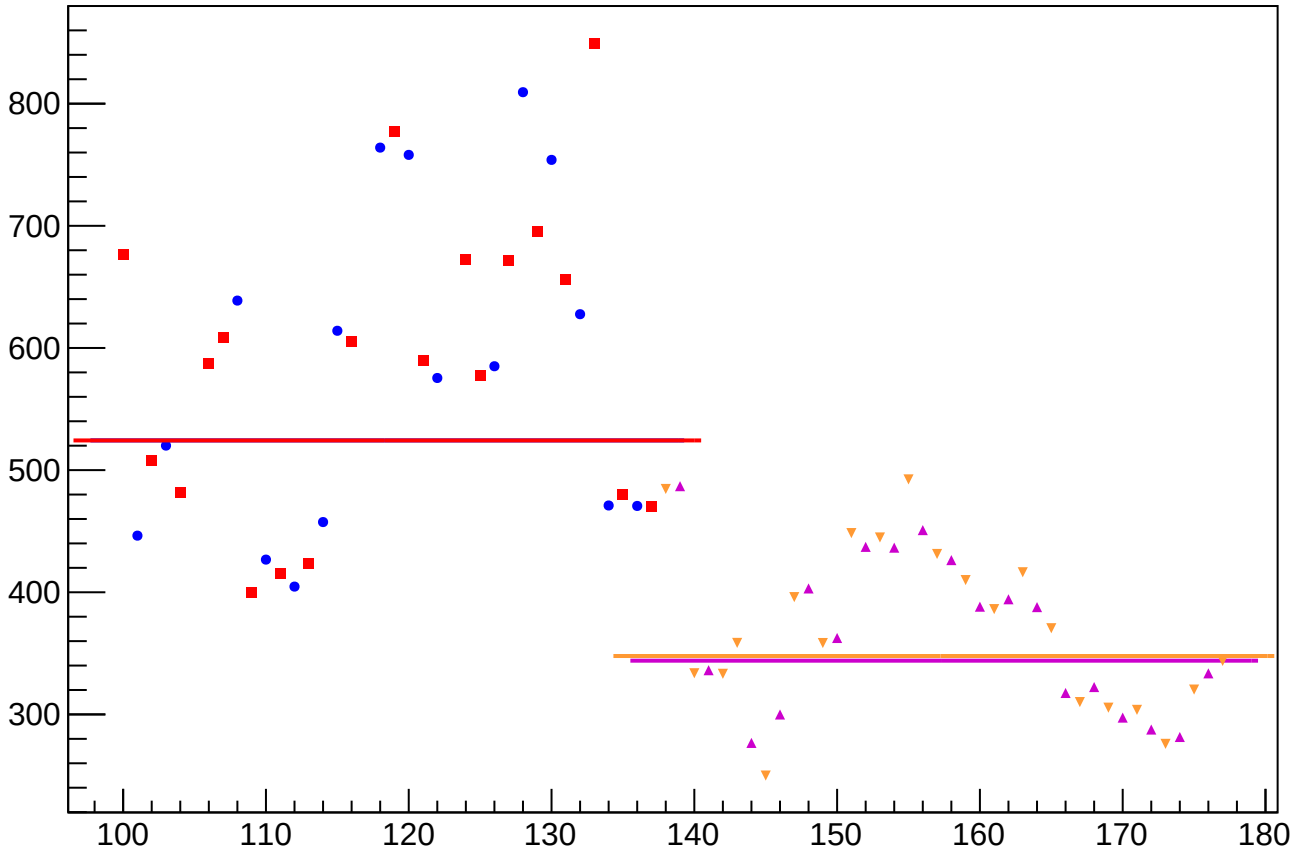
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -98.809+/-88.884 χ^2/NDF:18.8/18

+ sign -416.651+/-79.637 χ^2/NDF: 77.7/36

All: -287.740+/-56.794 χ^2/NDF: 115.5/74

- sign -154.313+/-81.020 χ^2/NDF: 32.4/37



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 347.818+/-0.061 χ^2/NDF:1081014.7/20

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

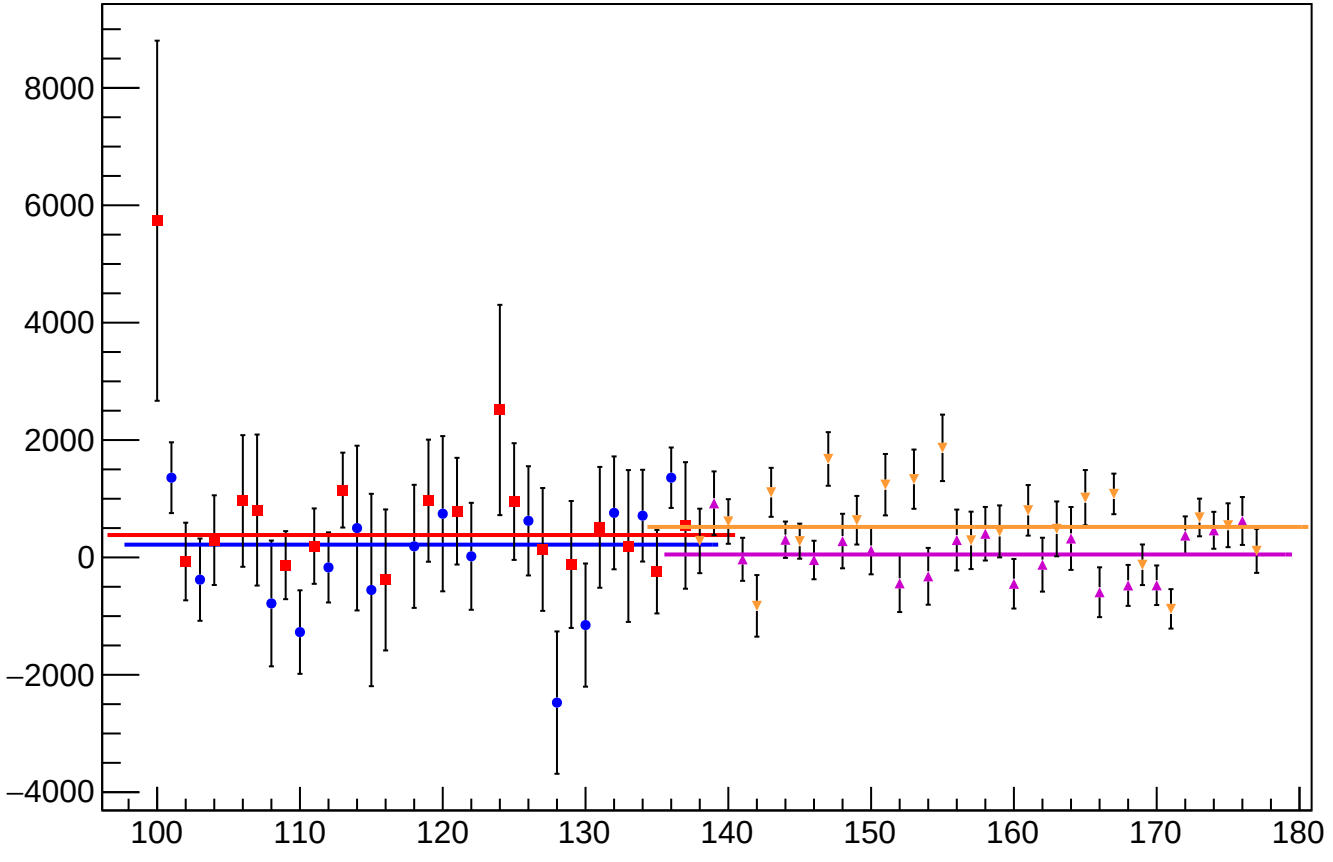
Left In: 343.999+/-0.063 χ^2/NDF:907455.0/18

+ sign 375.635+/-0.056 χ^2/NDF: 3043877.6/36

All: 375.075+/-0.040 χ^2/NDF: 6029572.5/74

- sign 374.495+/-0.057 χ^2/NDF: 2985493.4/37

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 519.511+/-89.282 χ^2/NDF:52.8/20

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

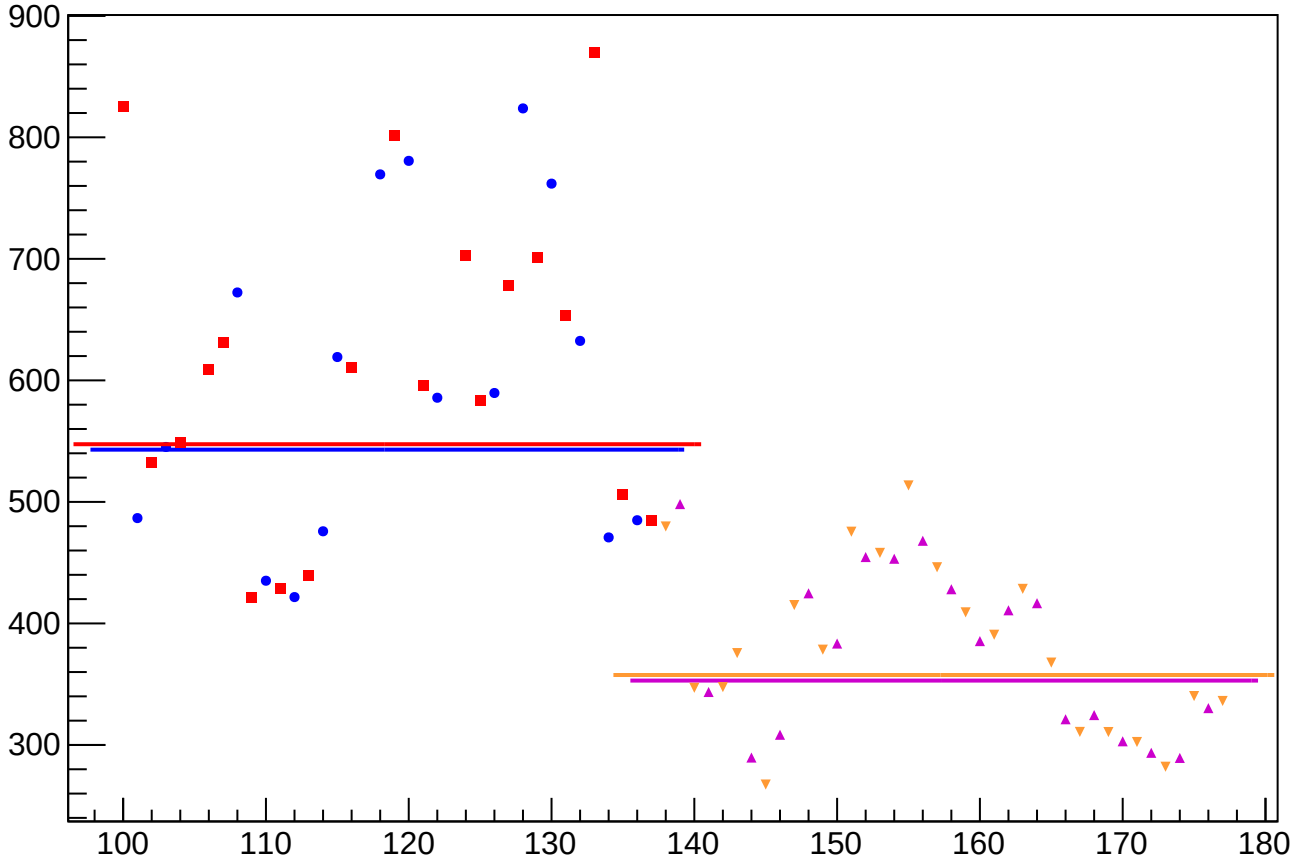
Left In: 50.126+/-91.239 χ^2/NDF:19.5/18

+ sign 472.368+/-82.012 χ^2/NDF: 77.4/36

All: 291.612+/-58.474 χ^2/NDF: 119.0/74

- sign 104.709+/-83.395 χ^2/NDF: 31.7/37

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 357.567+/-0.063 χ^2/NDF:1056988.0/20

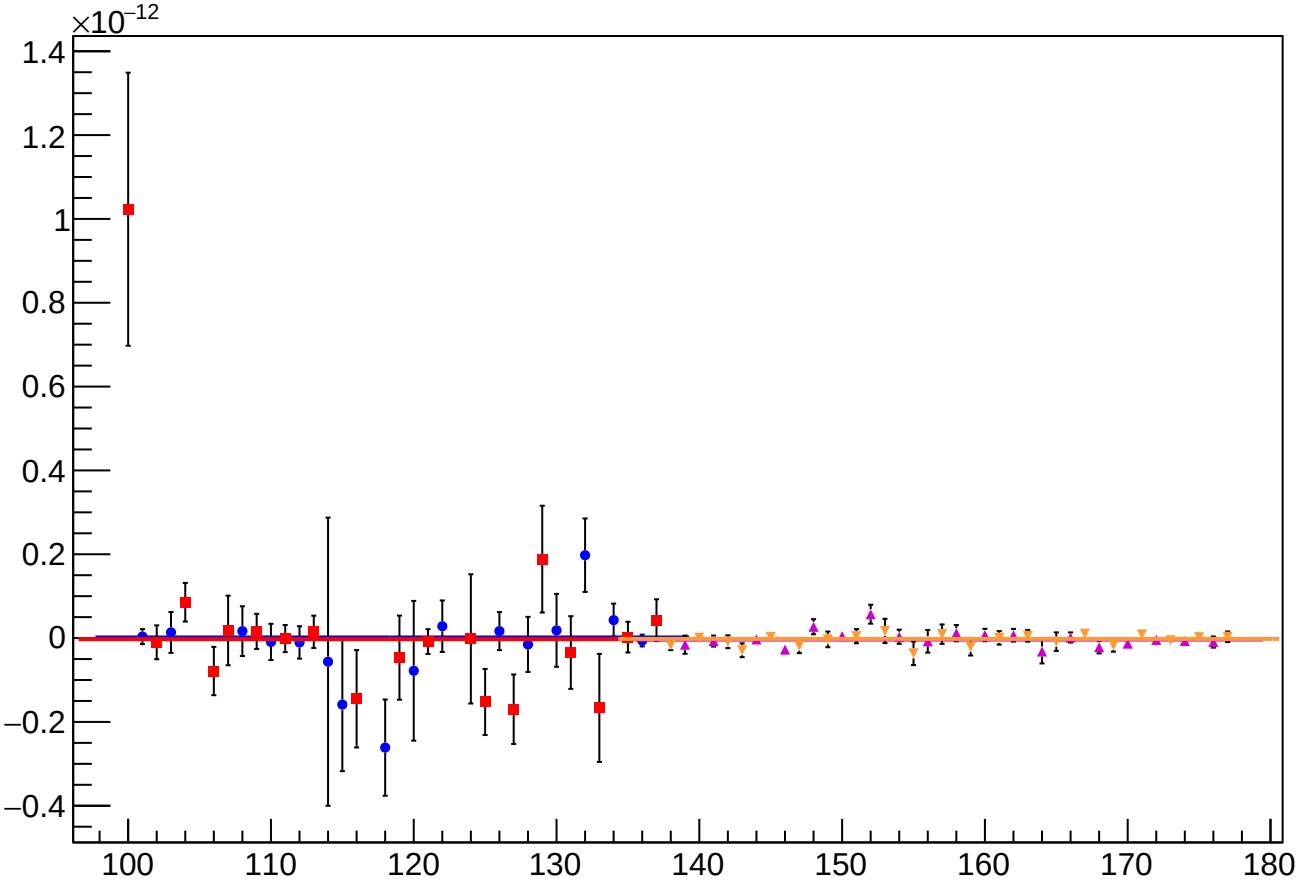
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 352.978+/-0.065 χ^2/NDF:943224.1/18

+ sign 386.536+/-0.058 χ^2/NDF: 3010010.9/36

All: 385.771+/-0.041 χ^2/NDF: 6079239.9/74

- sign 384.980+/-0.059 χ^2/NDF: 3068875.3/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

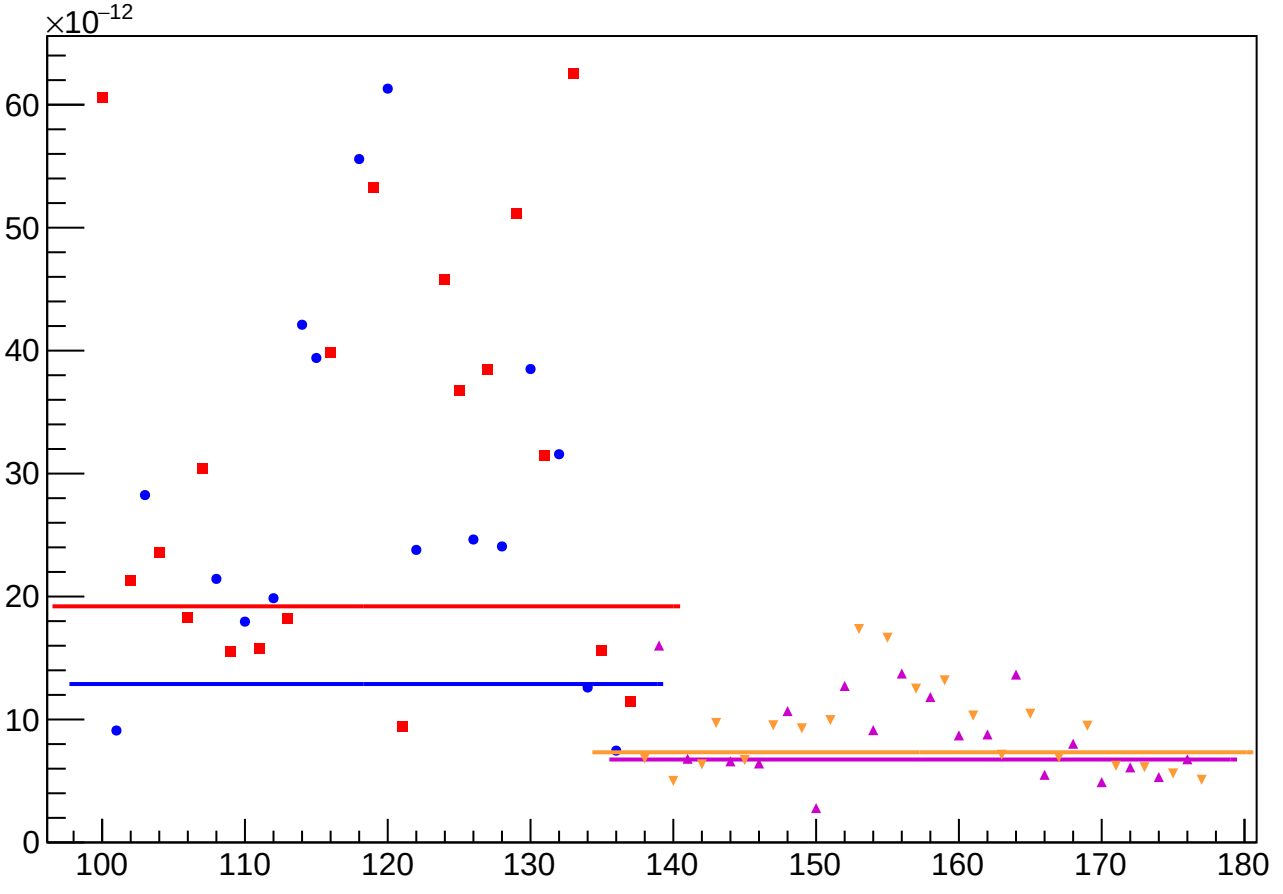
Left In: -0.000+/-0.000 χ^2/NDF:21.6/18

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/36

All: -0.000+/-0.000 χ^2/NDF: 77.8/74

- sign -0.000+/-0.000 χ^2/NDF: 51.6/37

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1347895.4/20

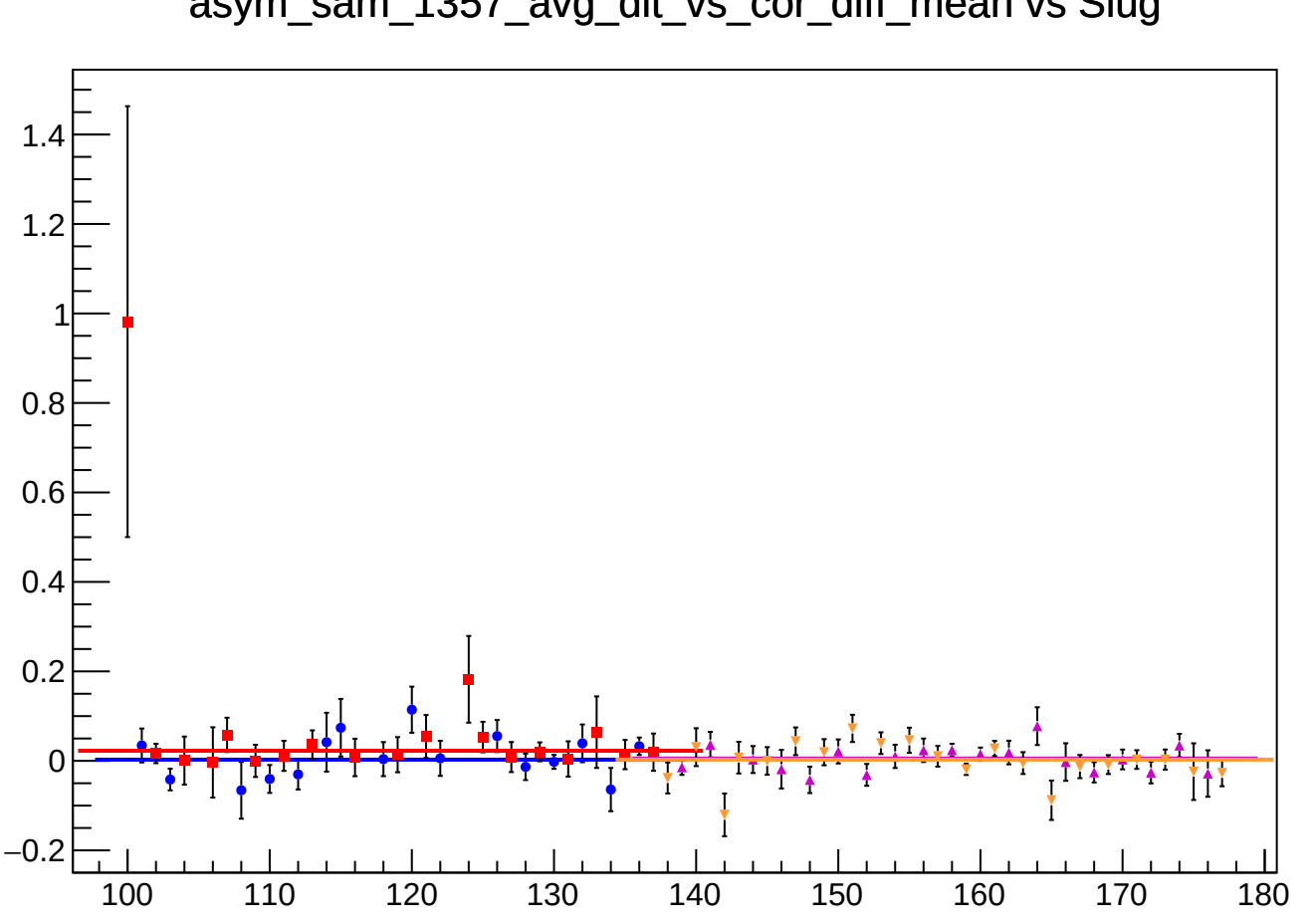
Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1703793.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 3780917.5/36

All: 0.000+/-0.000 χ^2/NDF: 8855636.9/74

- sign 0.000+/-0.000 χ^2/NDF: 5055821.3/37



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

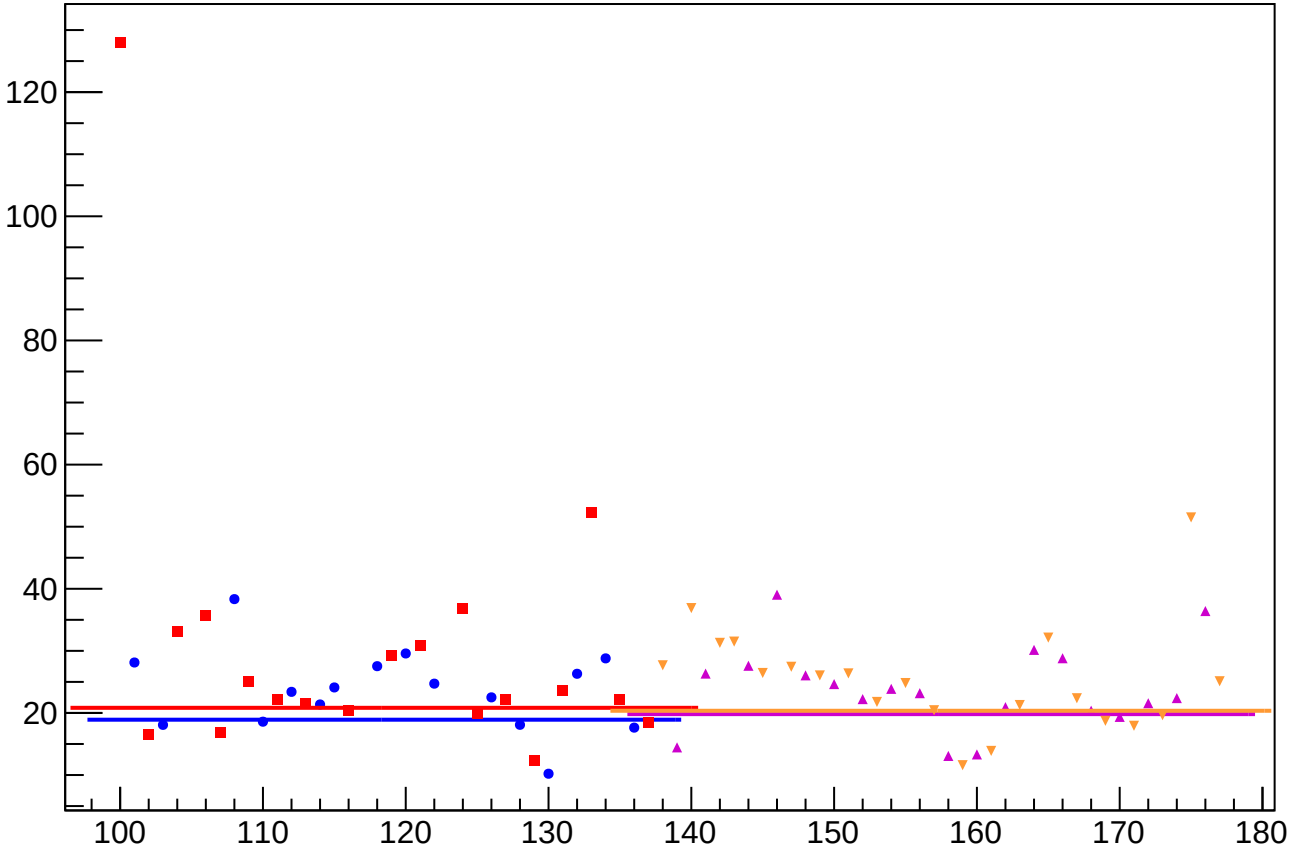
Left In: 0.005+/-0.005 χ^2/NDF:19.1/18

+ sign 0.003+/-0.004 χ^2/NDF: 53.8/36

All: 0.006+/-0.003 χ^2/NDF: 88.1/74

- sign 0.010+/-0.005 χ^2/NDF: 32.8/37

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: 20.350+/-0.004 χ^2/NDF:3079226.6/20

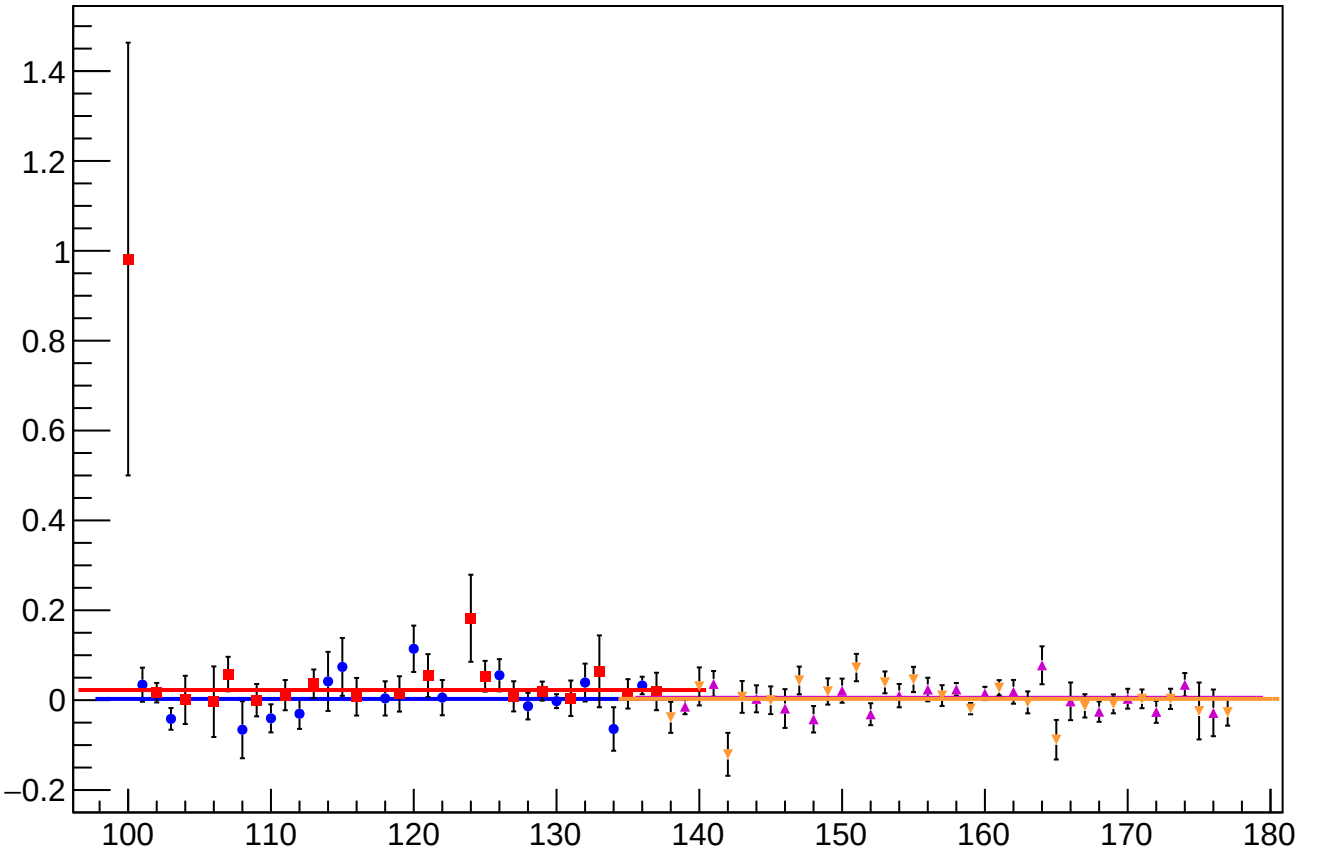
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.808+/-0.004 χ^2/NDF:2377020.0/18

+ sign 19.873+/-0.003 χ^2/NDF: 4515035.5/36

All: 19.989+/-0.002 χ^2/NDF: 8206726.2/74

- sign 20.111+/-0.003 χ^2/NDF: 3688956.3/37



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

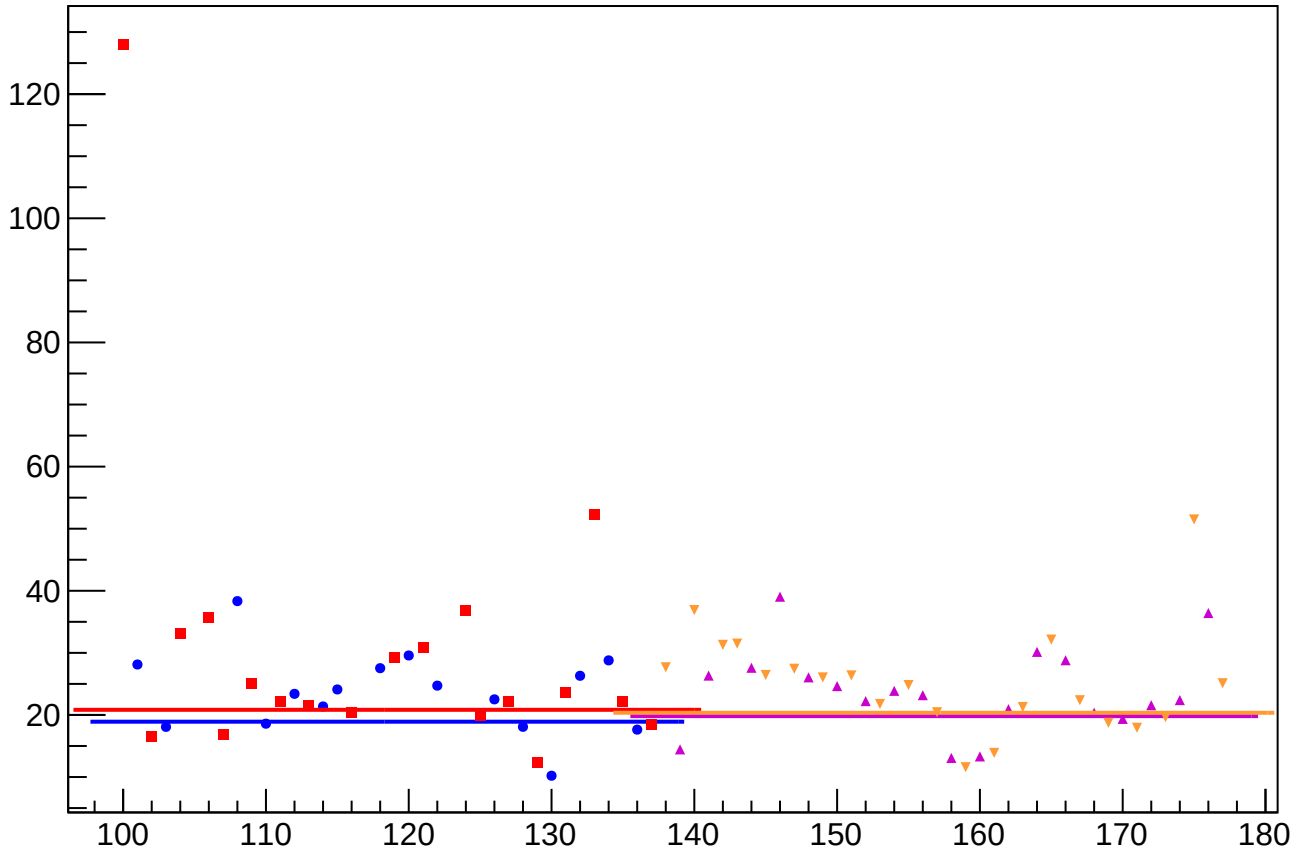
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.005+/-0.005 χ^2/NDF:19.1/18

+ sign 0.003+/-0.004 χ^2/NDF: 53.8/36

All: 0.006+/-0.003 χ^2/NDF: 88.1/74

- sign 0.010+/-0.005 χ^2/NDF: 32.8/37



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.350+/-0.004 χ^2/NDF:3079226.6/20

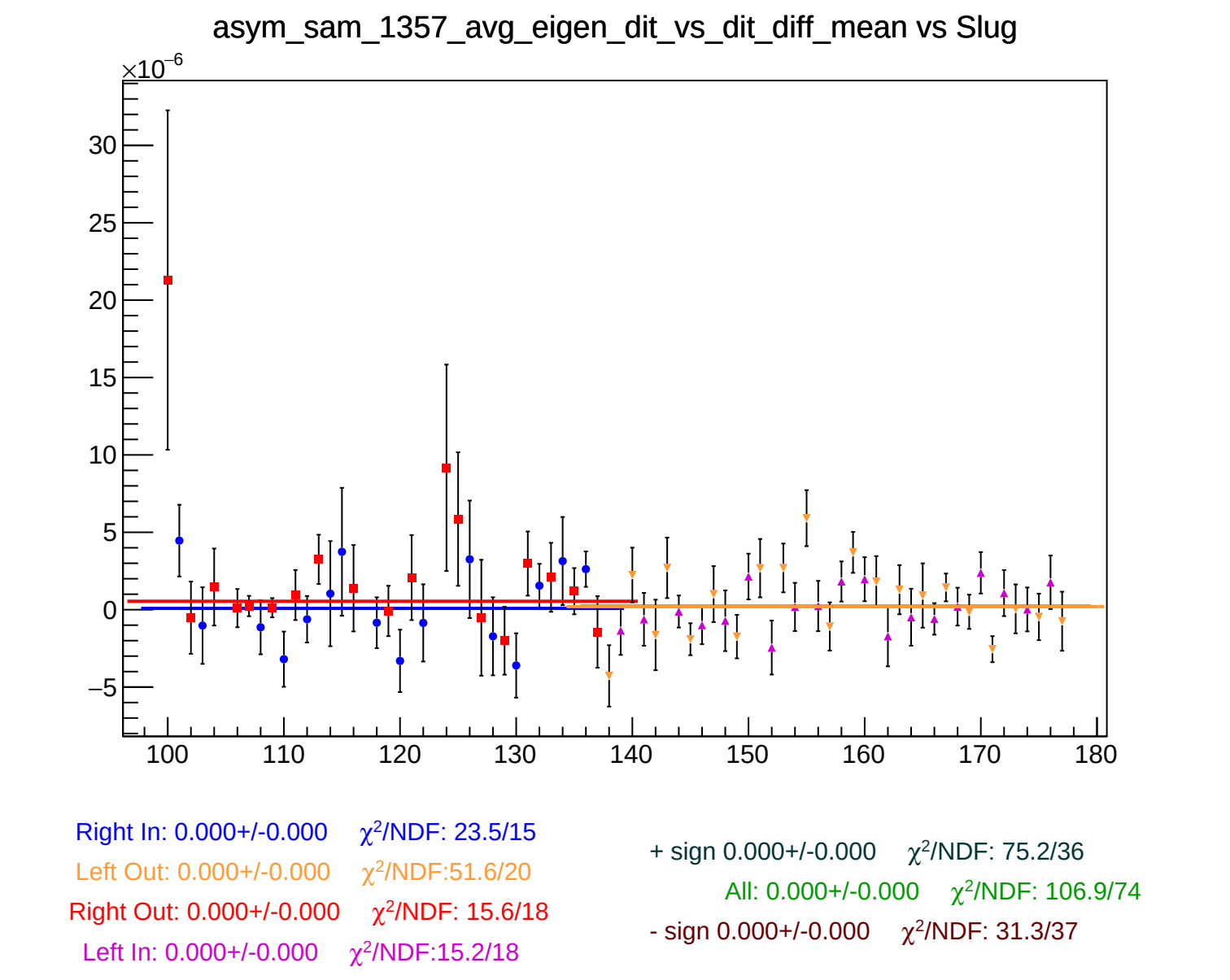
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

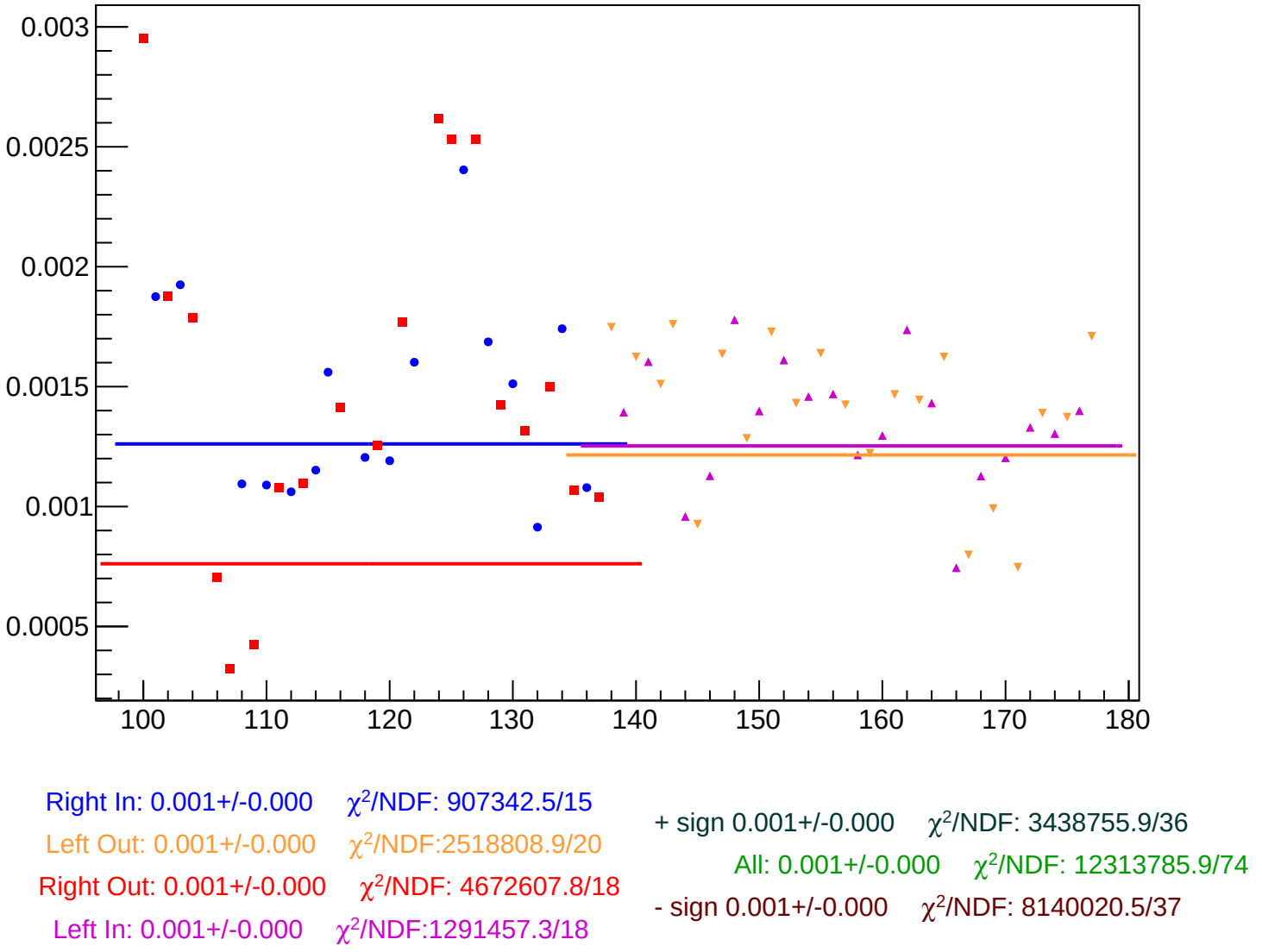
Left In: 19.808+/-0.004 χ^2/NDF:2377020.0/18

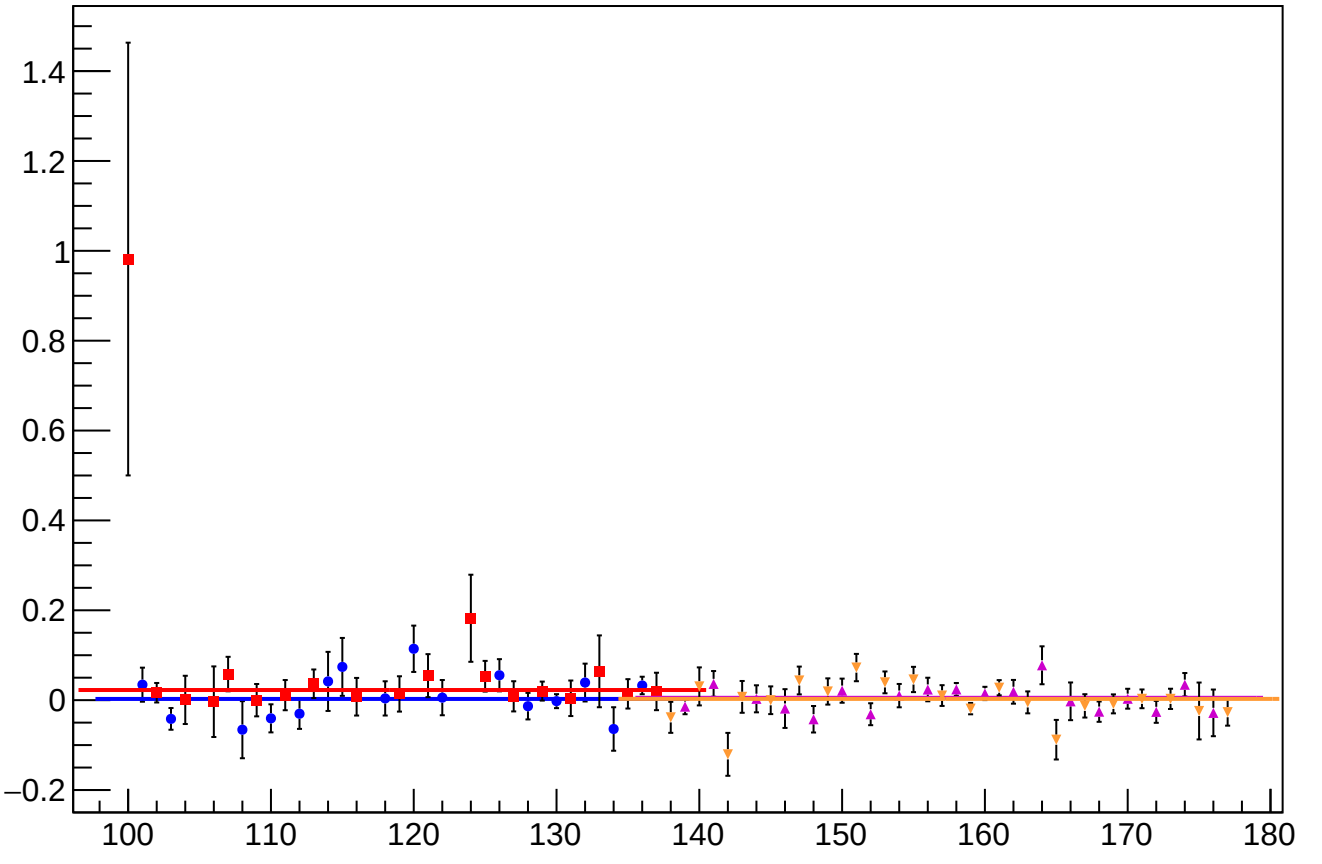
+ sign 19.873+/-0.003 χ^2/NDF: 4515035.5/36

All: 19.989+/-0.002 χ^2/NDF: 8206726.2/74

- sign 20.111+/-0.003 χ^2/NDF: 3688956.3/37


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:51.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:15.2/18
+ sign 0.000+/-0.000 χ²/NDF: 75.2/36
All: 0.000+/-0.000 χ²/NDF: 106.9/74
- sign 0.000+/-0.000 χ²/NDF: 31.3/37


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:2518808.9/20
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:1291457.3/18
+ sign 0.001+/-0.000 χ²/NDF: 3438755.9/36
All: 0.001+/-0.000 χ²/NDF: 12313785.9/74
- sign 0.001+/-0.000 χ²/NDF: 8140020.5/37



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

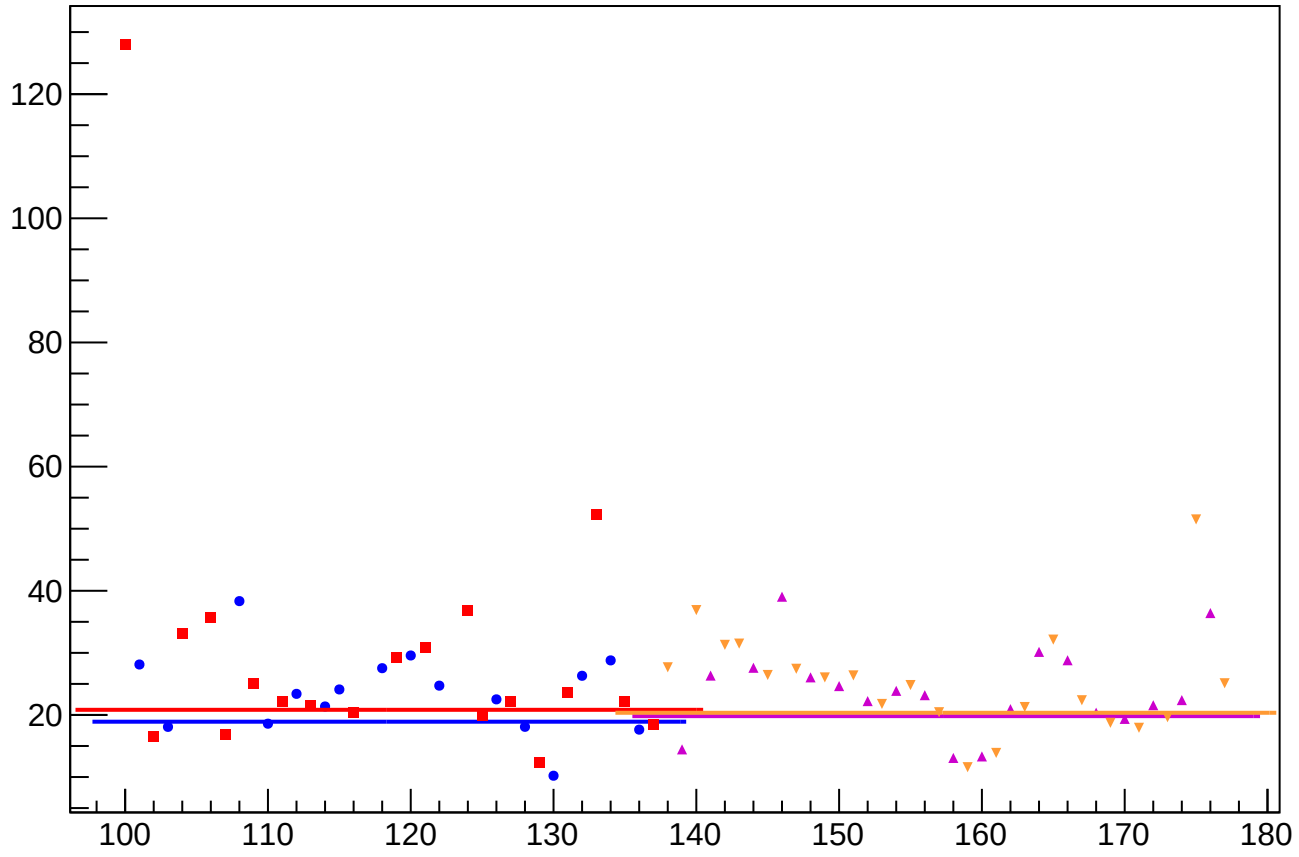
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.005+/-0.005 χ^2/NDF:19.1/18

+ sign 0.003+/-0.004 χ^2/NDF: 53.8/36

All: 0.006+/-0.003 χ^2/NDF: 88.1/74

- sign 0.010+/-0.005 χ^2/NDF: 32.8/37



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.350+/-0.004 χ^2/NDF:3079389.7/20

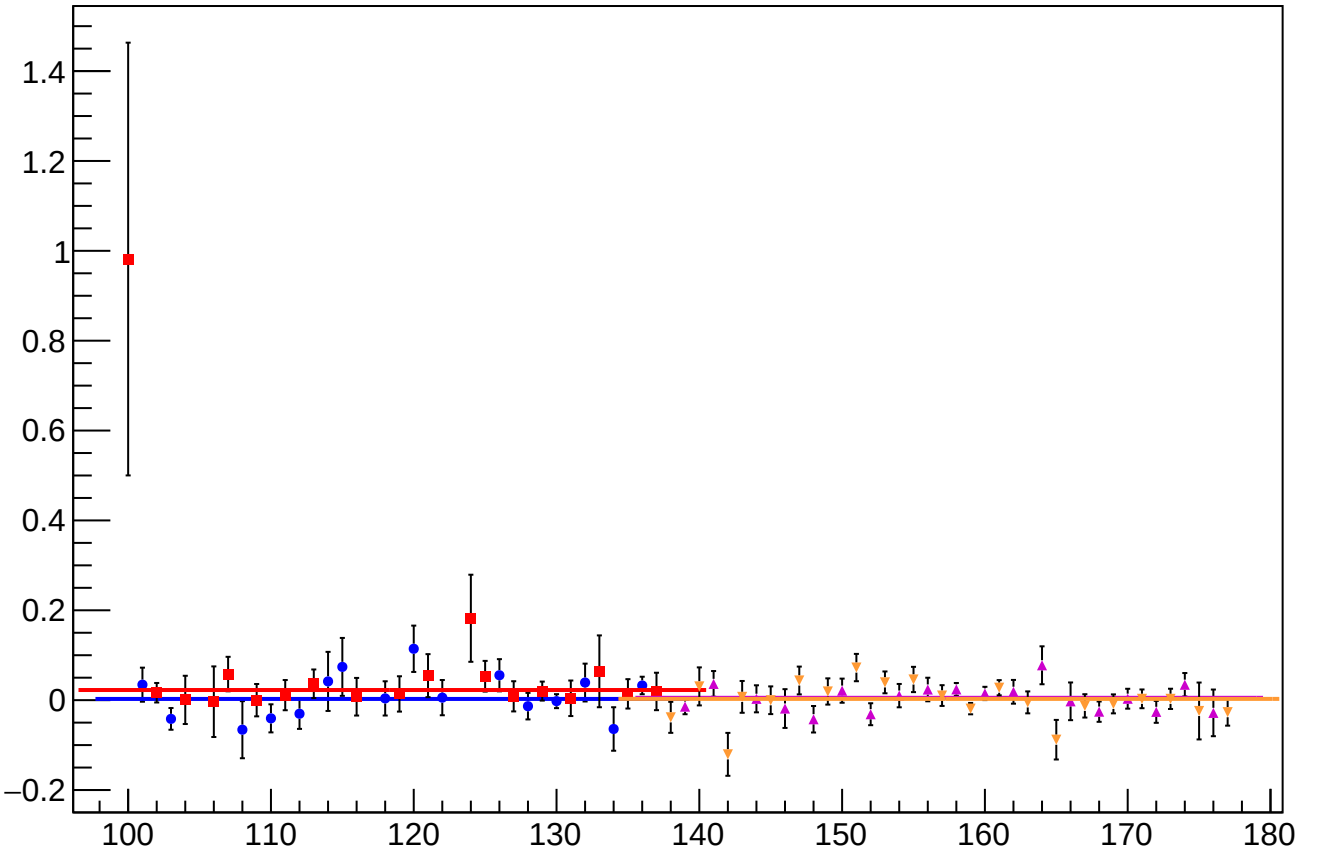
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.809+/-0.004 χ^2/NDF:2377092.4/18

\+ sign 19.874+/-0.003 χ^2/NDF: 4515058.4/36

All: 19.990+/-0.002 χ^2/NDF: 8206818.3/74

\- sign 20.112+/-0.003 χ^2/NDF: 3689024.5/37



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

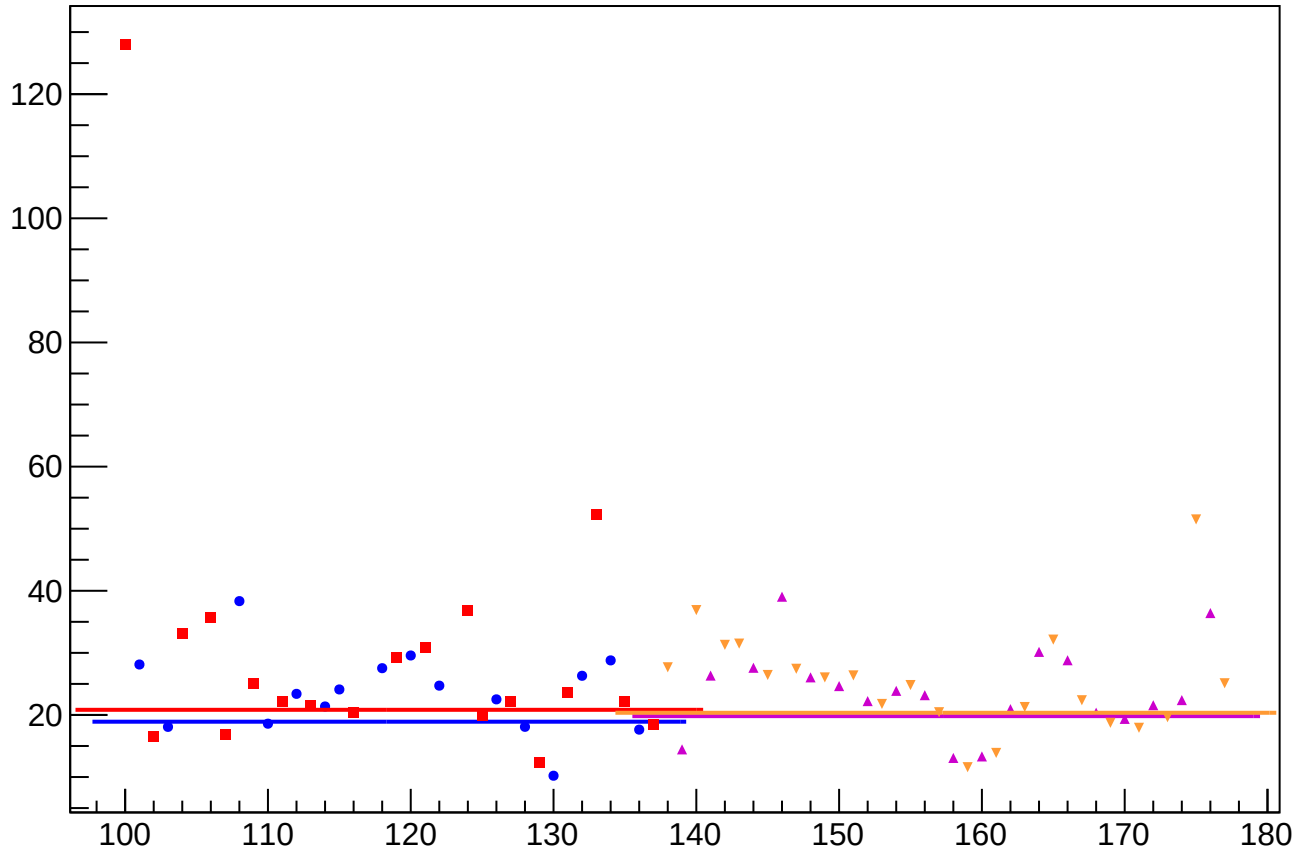
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.005+/-0.005 χ^2/NDF:19.1/18

+ sign 0.003+/-0.004 χ^2/NDF: 53.8/36

All: 0.006+/-0.003 χ^2/NDF: 88.1/74

- sign 0.010+/-0.005 χ^2/NDF: 32.8/37



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.350+/-0.004 χ^2/NDF:3079389.7/20

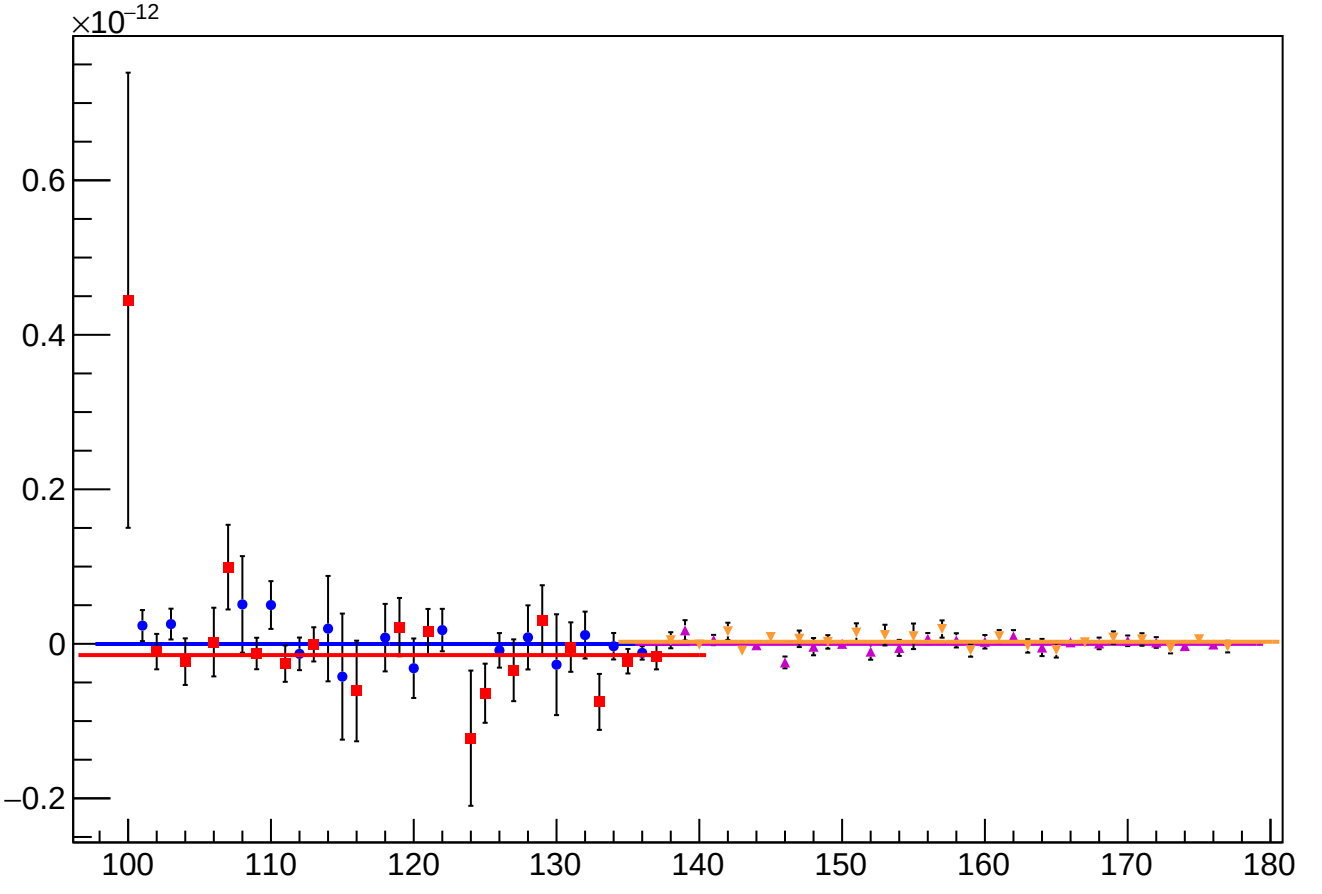
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.809+/-0.004 χ^2/NDF:2377092.4/18

+ sign 19.874+/-0.003 χ^2/NDF: 4515058.4/36

All: 19.990+/-0.002 χ^2/NDF: 8206818.3/74

- sign 20.112+/-0.003 χ^2/NDF: 3689024.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/20

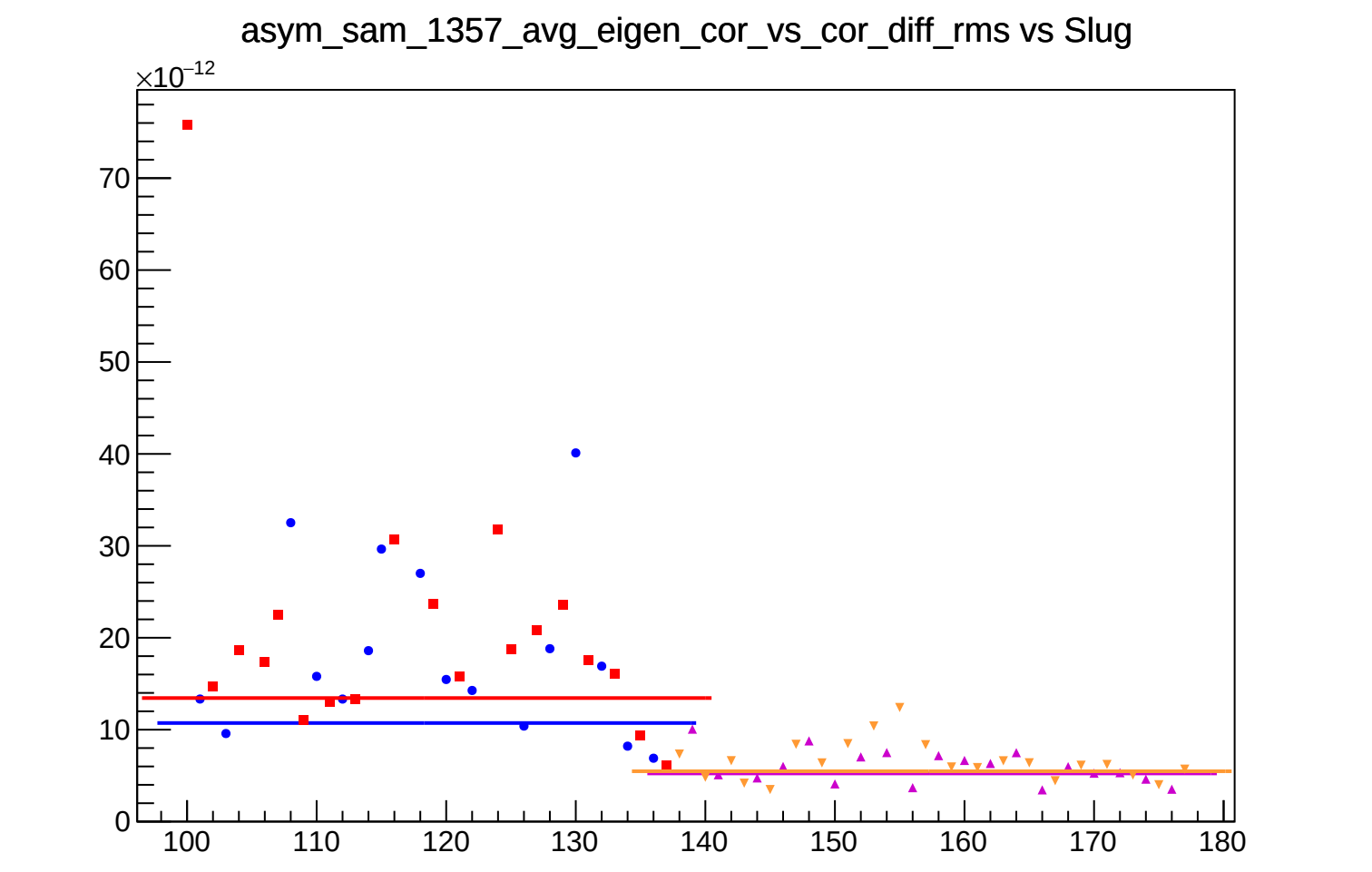
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 28.6/36

All: 0.000+/-0.000 χ^2/NDF: 70.1/74

- sign -0.000+/-0.000 χ^2/NDF: 39.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1884598.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

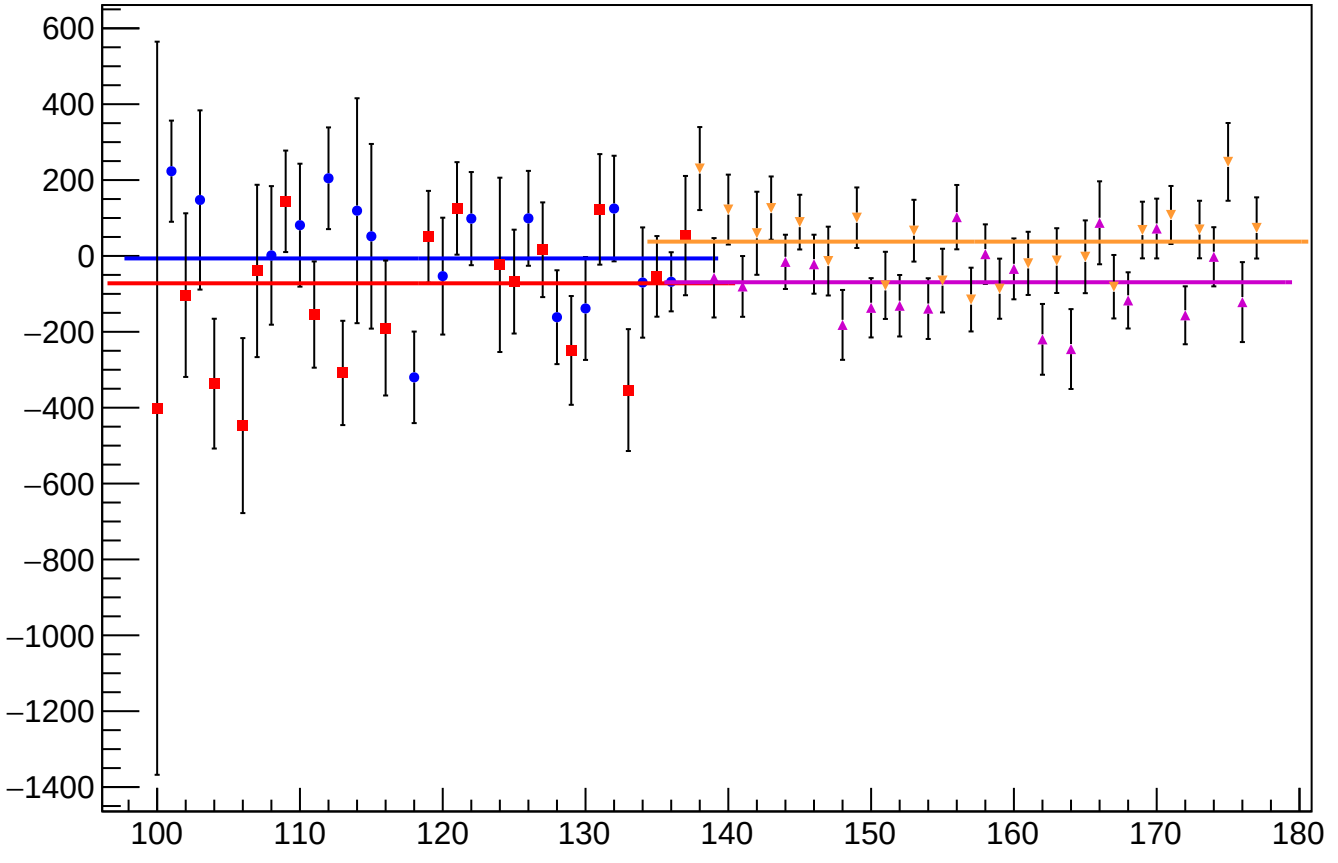
Left In: 0.000+/-0.000 χ^2/NDF:1486815.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 5326544.0/36

All: 0.000+/-0.000 χ^2/NDF: 11170676.5/74

- sign 0.000+/-0.000 χ^2/NDF: 5835386.4/37

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 37.713+/-18.483 χ^2/NDF:24.2/20

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

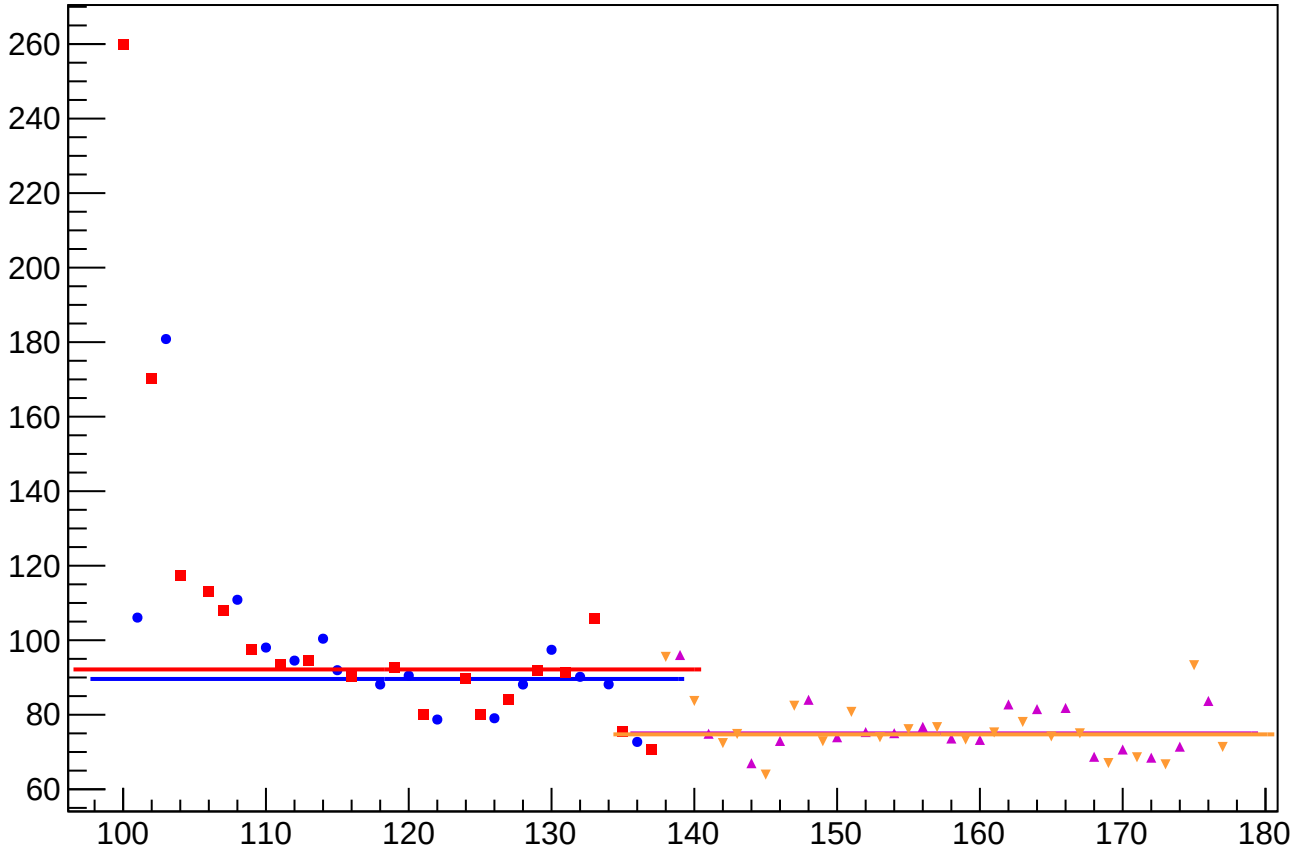
Left In: -69.331+/-19.199 χ^2/NDF:23.1/18

+ sign 27.745+/-16.269 χ^2/NDF: 44.5/36

All: -19.492+/-11.694 χ^2/NDF: 107.8/74

- sign -69.980+/-16.820 χ^2/NDF: 45.9/37

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.735+/-0.013 χ^2/NDF:293100.5/20

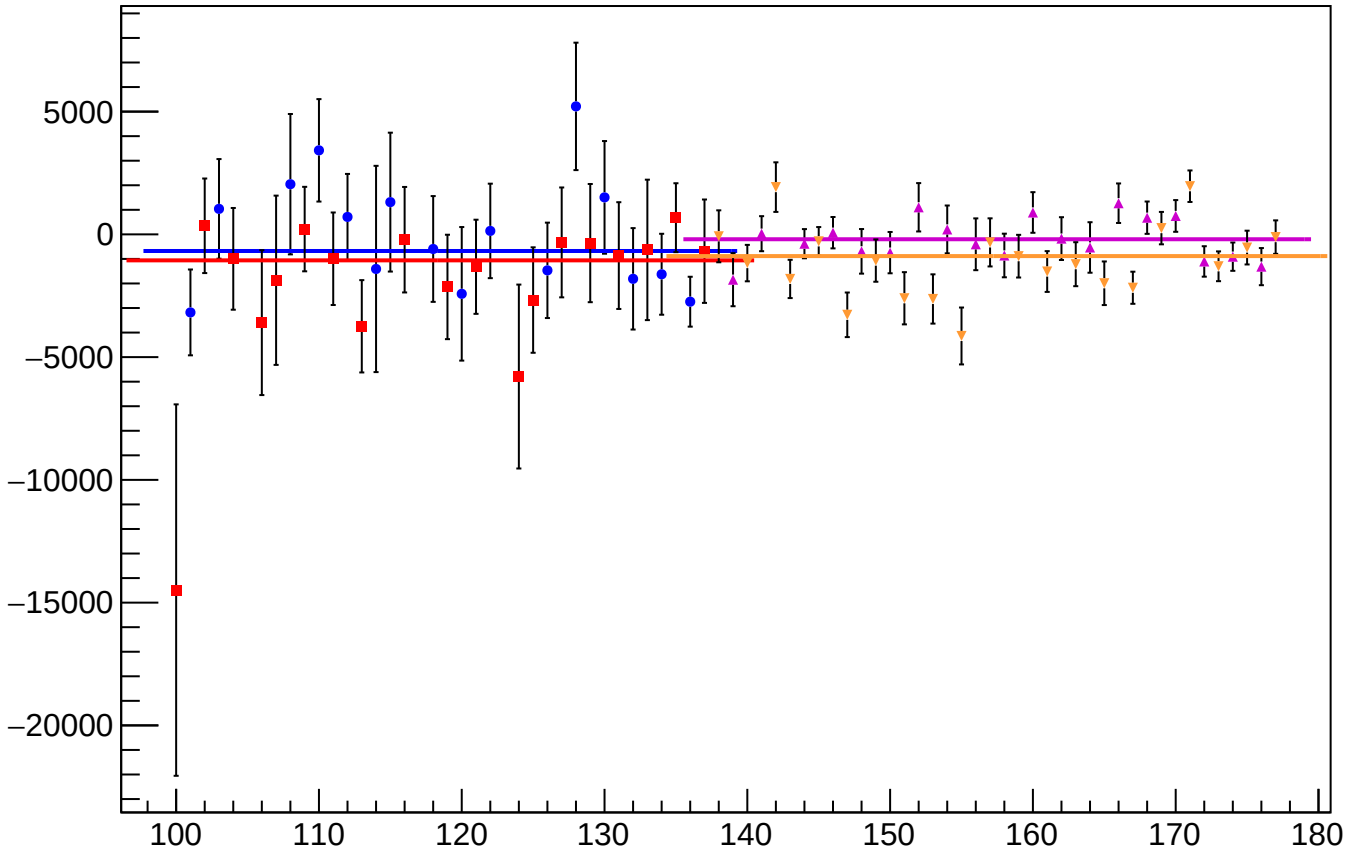
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

+ sign 78.083+/-0.012 χ^2/NDF: 1082926.1/36

All: 78.522+/-0.008 χ^2/NDF: 2210764.2/74

- sign 78.991+/-0.012 χ^2/NDF: 1124822.7/37



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -884.878+/-171.890 χ^2/NDF:62.6/20

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

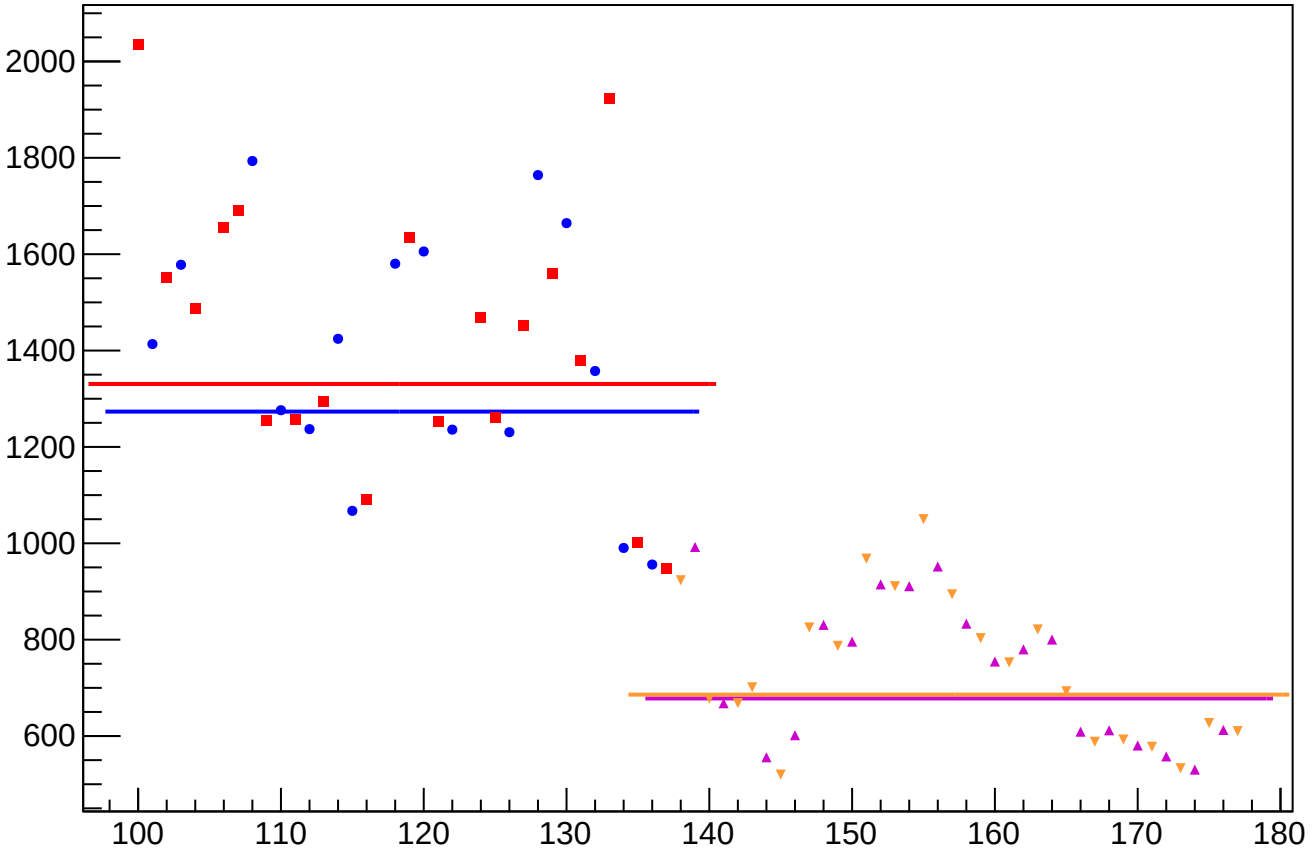
Left In: -198.901+/-175.945 χ^2/NDF:20.8/18

+ sign -861.848+/-162.070 χ^2/NDF: 83.0/36

All: -584.875+/-115.909 χ^2/NDF: 123.9/74

- sign -294.886+/-165.835 χ^2/NDF: 35.0/37

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 686.006+/-0.122 χ^2/NDF:1271576.5/20

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

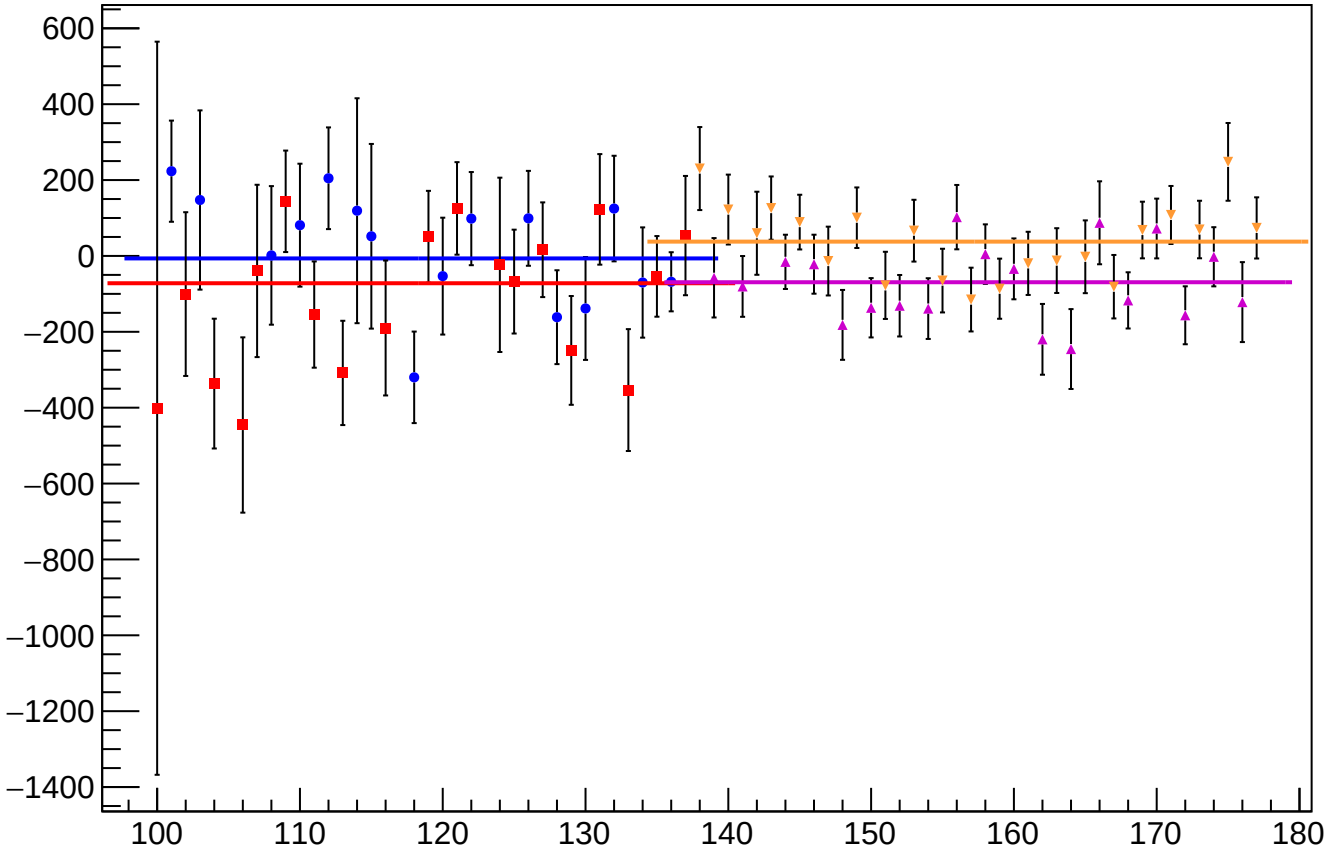
Left In: 678.035+/-0.124 χ^2/NDF:1178858.8/18

+ sign 751.191+/-0.115 χ^2/NDF: 4460620.0/36

All: 751.044+/-0.082 χ^2/NDF: 9182084.1/74

- sign 750.889+/-0.117 χ^2/NDF: 4721460.7/37

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 37.717+/-18.483 χ^2/NDF:24.2/20

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

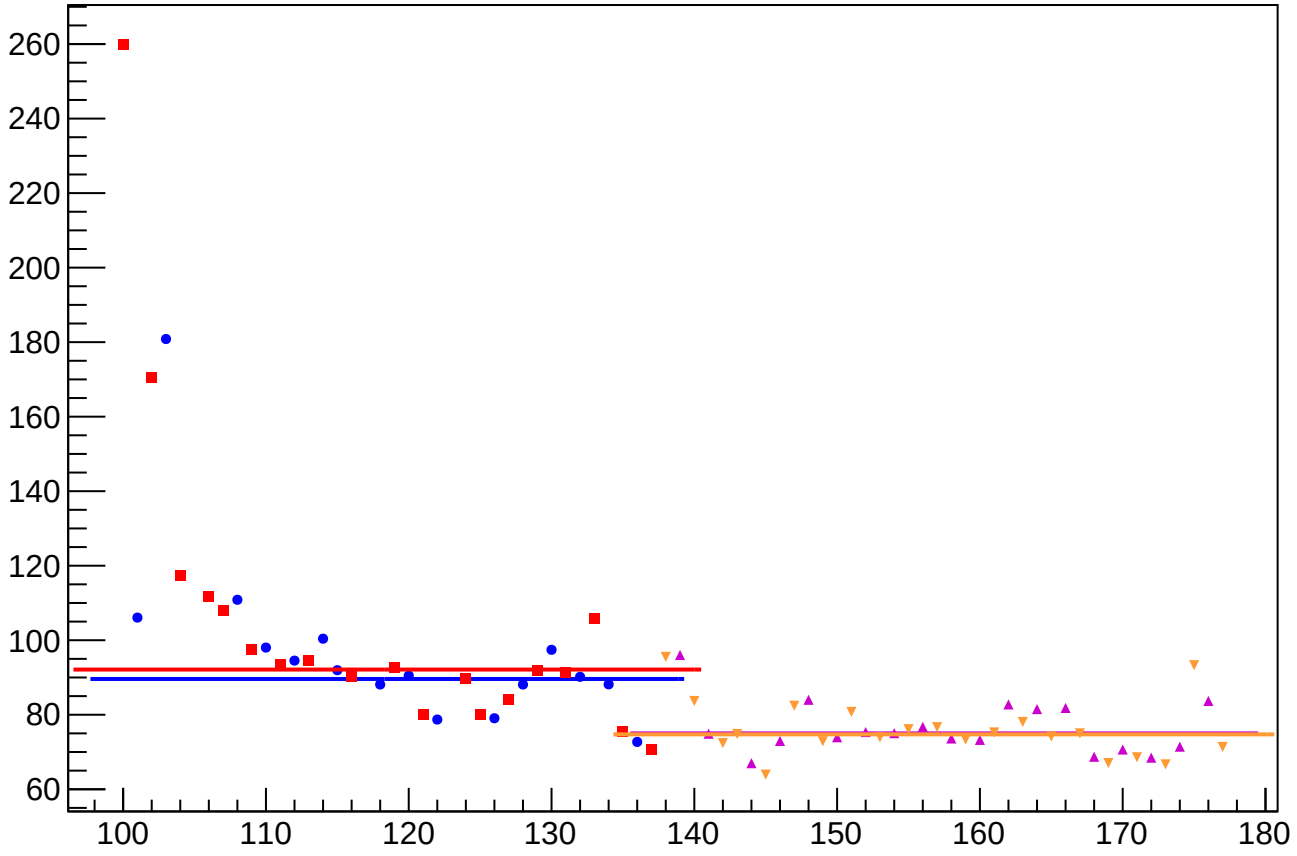
Left In: -69.331+/-19.199 χ^2/NDF:23.1/18

+ sign 27.745+/-16.269 χ^2/NDF: 44.5/36

All: -19.475+/-11.694 χ^2/NDF: 107.7/74

- sign -69.947+/-16.820 χ^2/NDF: 45.9/37

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.735+/-0.013 χ^2/NDF:293100.5/20

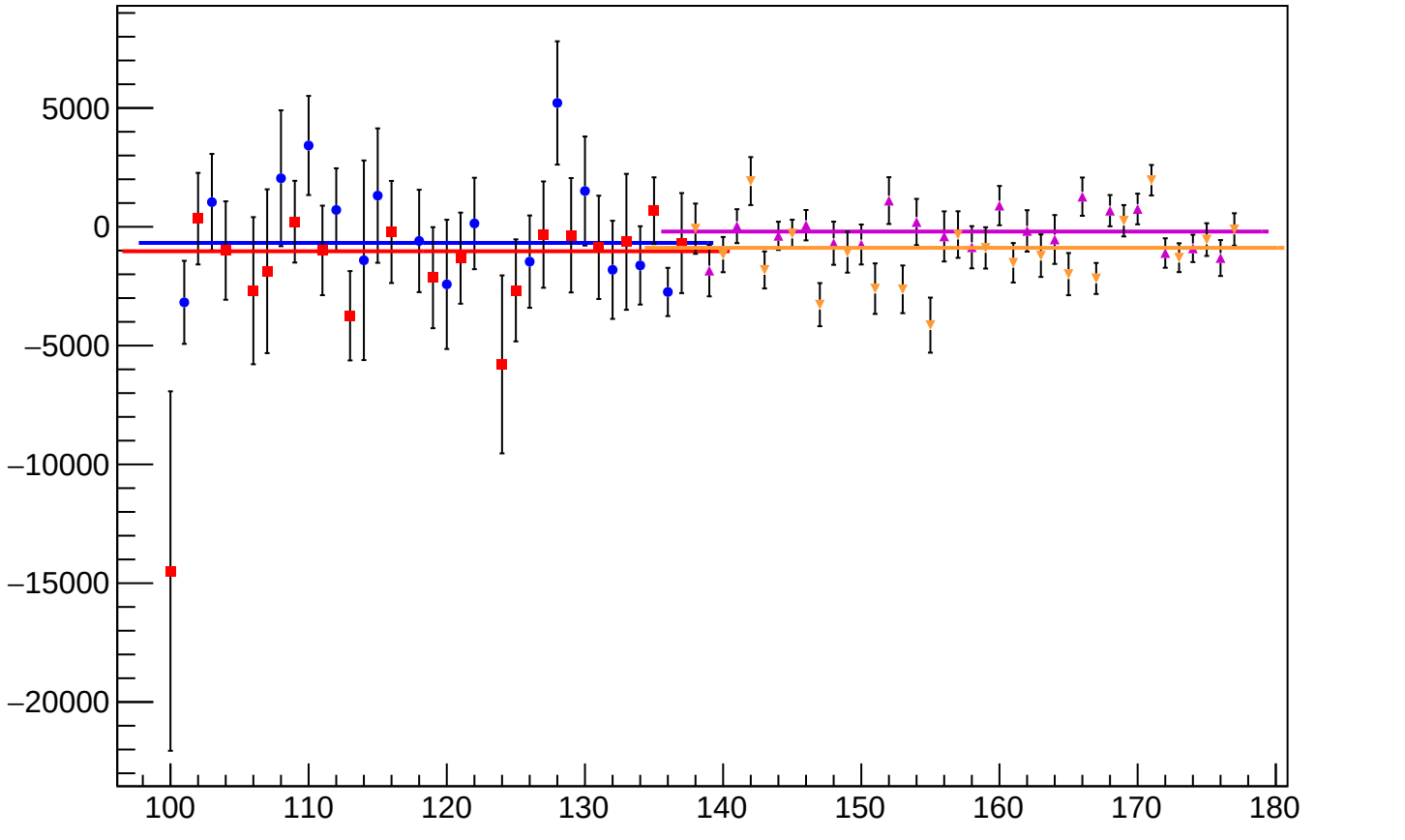
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

+ sign 78.083+/-0.012 χ^2/NDF: 1082929.6/36

All: 78.518+/-0.008 χ^2/NDF: 2207544.3/74

- sign 78.984+/-0.012 χ^2/NDF: 1121650.5/37



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -884.872+/-171.890 χ^2/NDF:62.6/20

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

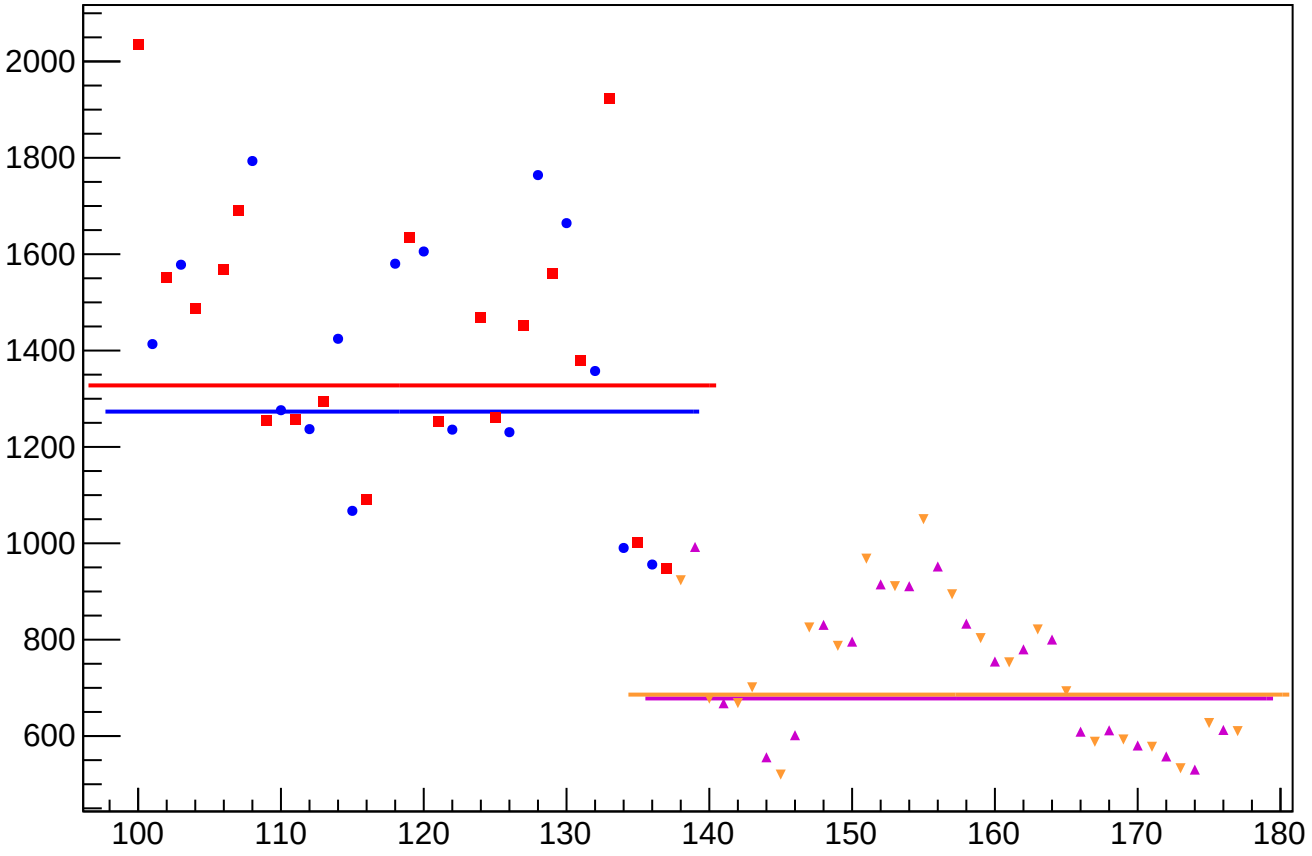
Left In: -198.903+/-175.945 χ^2/NDF:20.8/18

+ sign -861.839+/-162.070 χ^2/NDF: 83.0/36

All: -583.204+/-115.917 χ^2/NDF: 123.4/74

- sign -291.388+/-165.859 χ^2/NDF: 34.3/37

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 686.005+/-0.122 χ^2/NDF:1271580.5/20

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

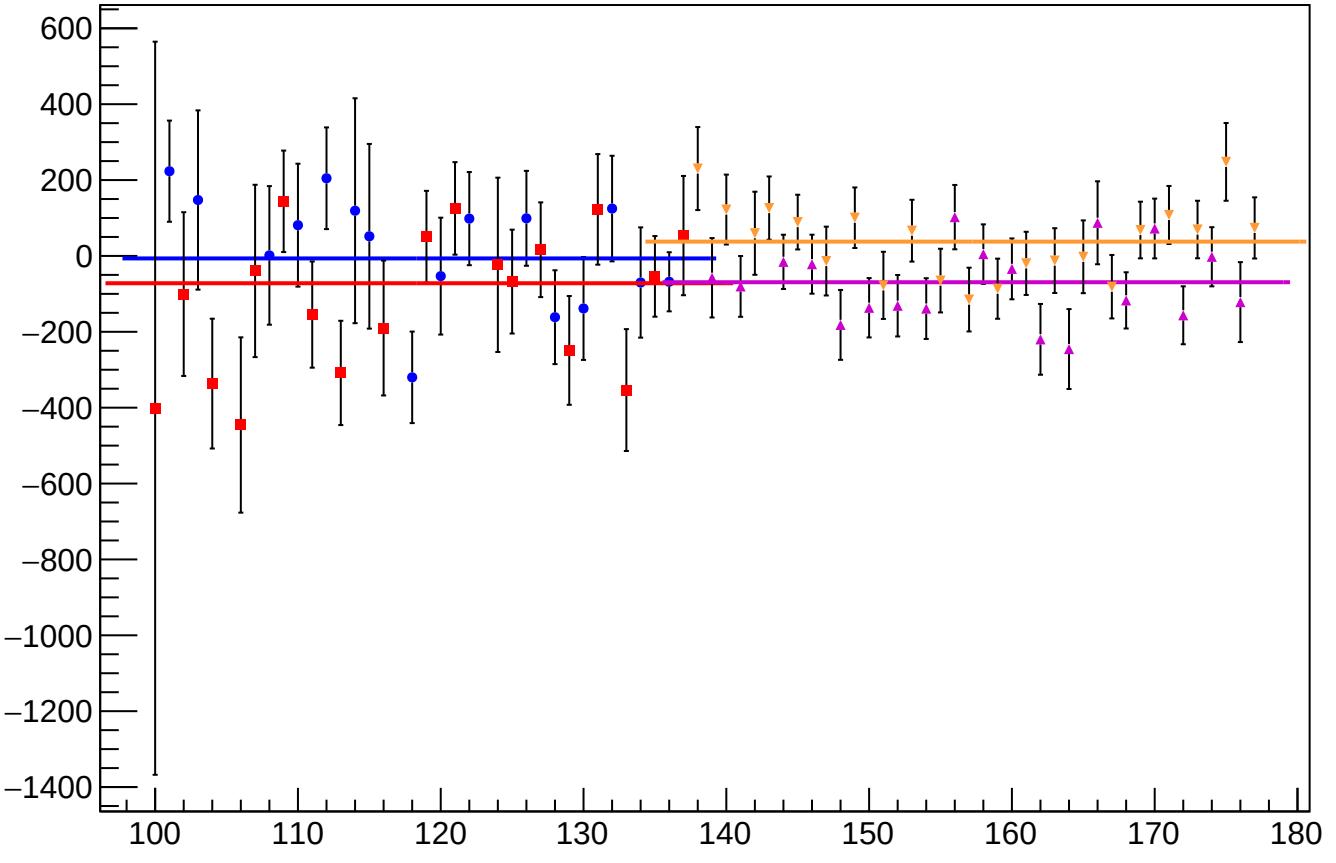
Left In: 678.035+/-0.124 χ^2/NDF:1178856.8/18

+ sign 751.191+/-0.115 χ^2/NDF: 4460667.1/36

All: 750.794+/-0.082 χ^2/NDF: 9134279.2/74

- sign 750.379+/-0.117 χ^2/NDF: 4673587.6/37

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 37.717+/-18.483 χ^2/NDF:24.2/20

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

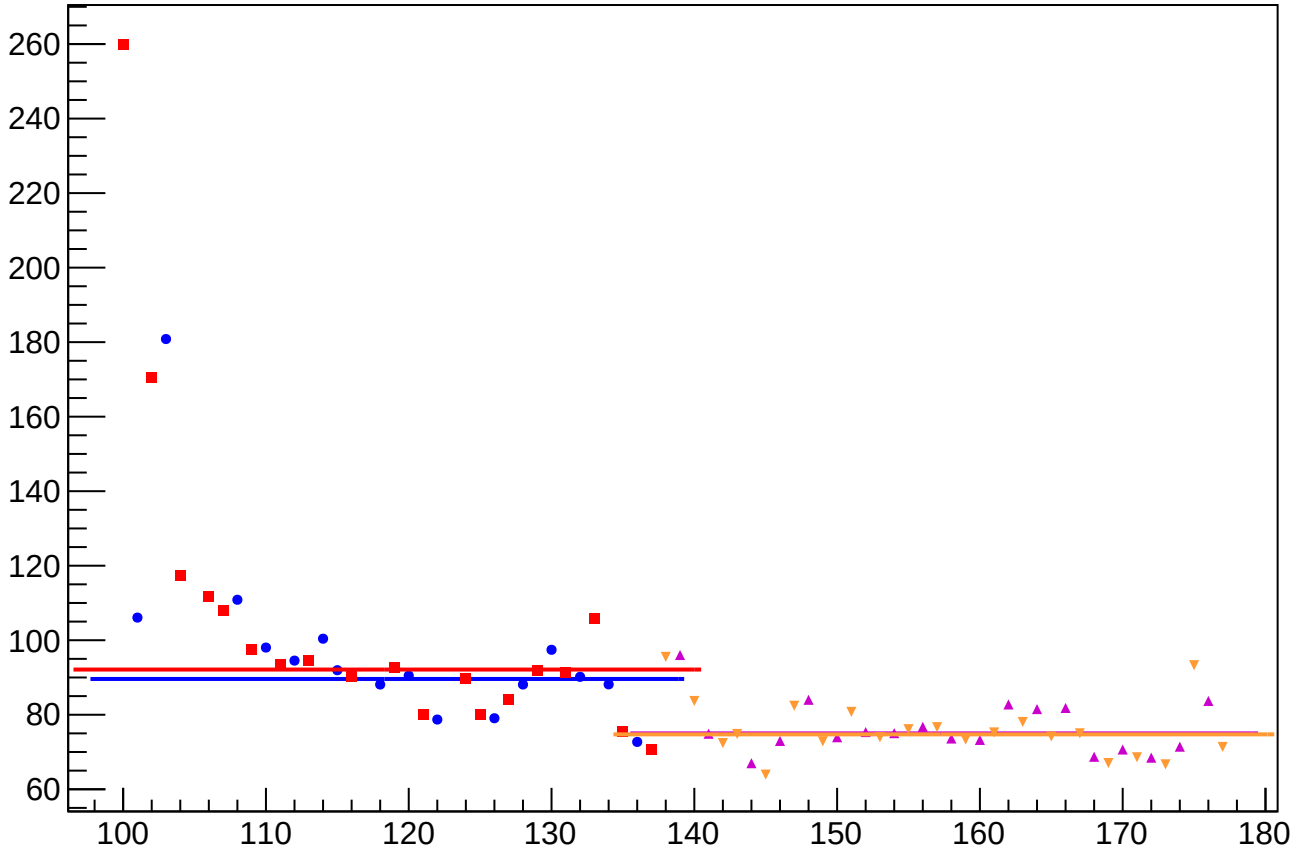
Left In: -69.331+/-19.199 χ^2/NDF:23.1/18

+ sign 27.745+/-16.269 χ^2/NDF: 44.5/36

All: -19.475+/-11.694 χ^2/NDF: 107.7/74

- sign -69.947+/-16.820 χ^2/NDF: 45.9/37

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.735+/-0.013 χ^2/NDF:293100.5/20

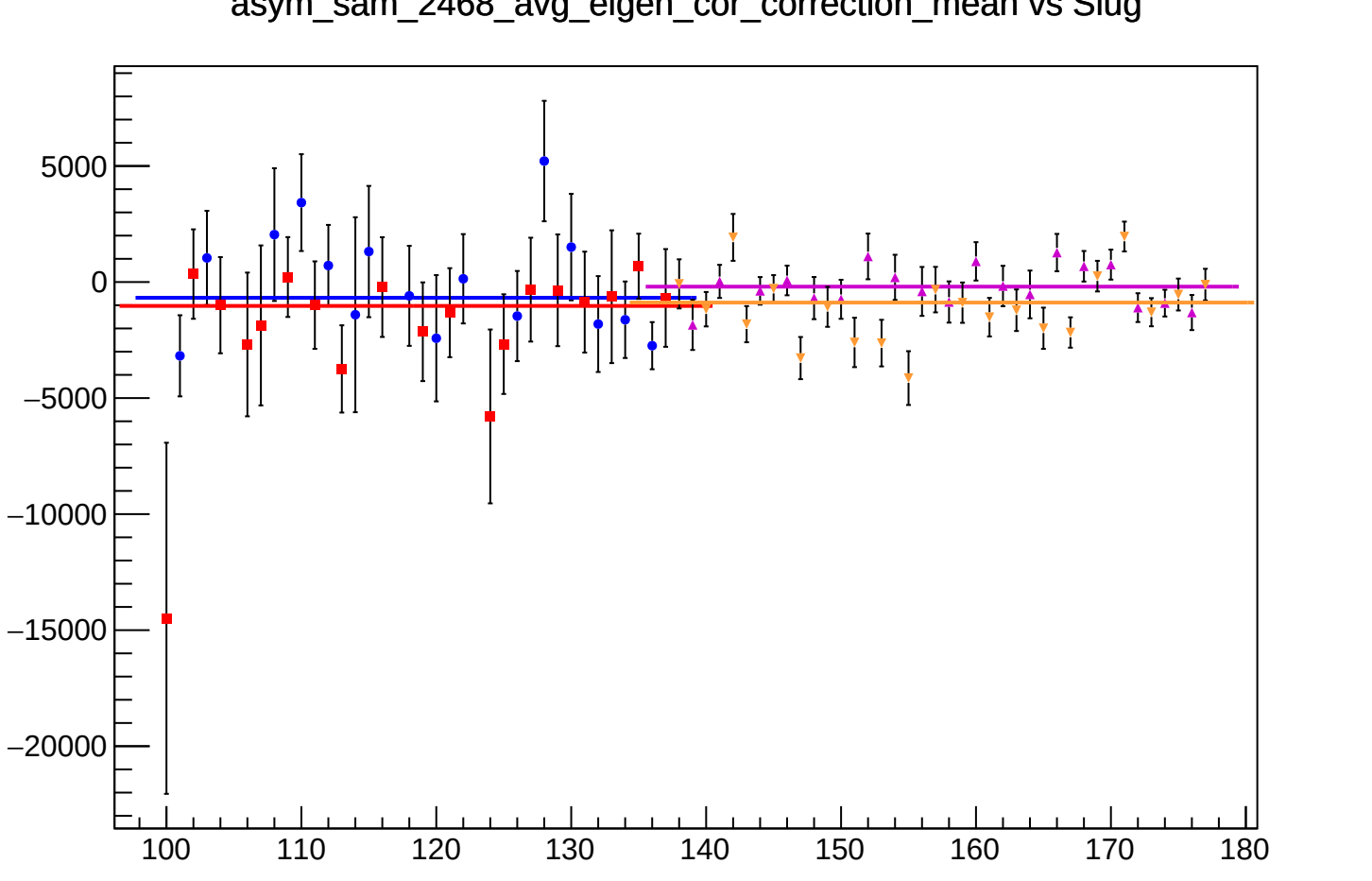
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

+ sign 78.083+/-0.012 χ^2/NDF: 1082929.6/36

All: 78.518+/-0.008 χ^2/NDF: 2207544.3/74

- sign 78.984+/-0.012 χ^2/NDF: 1121650.5/37



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -884.872+/-171.890 χ^2/NDF:62.6/20

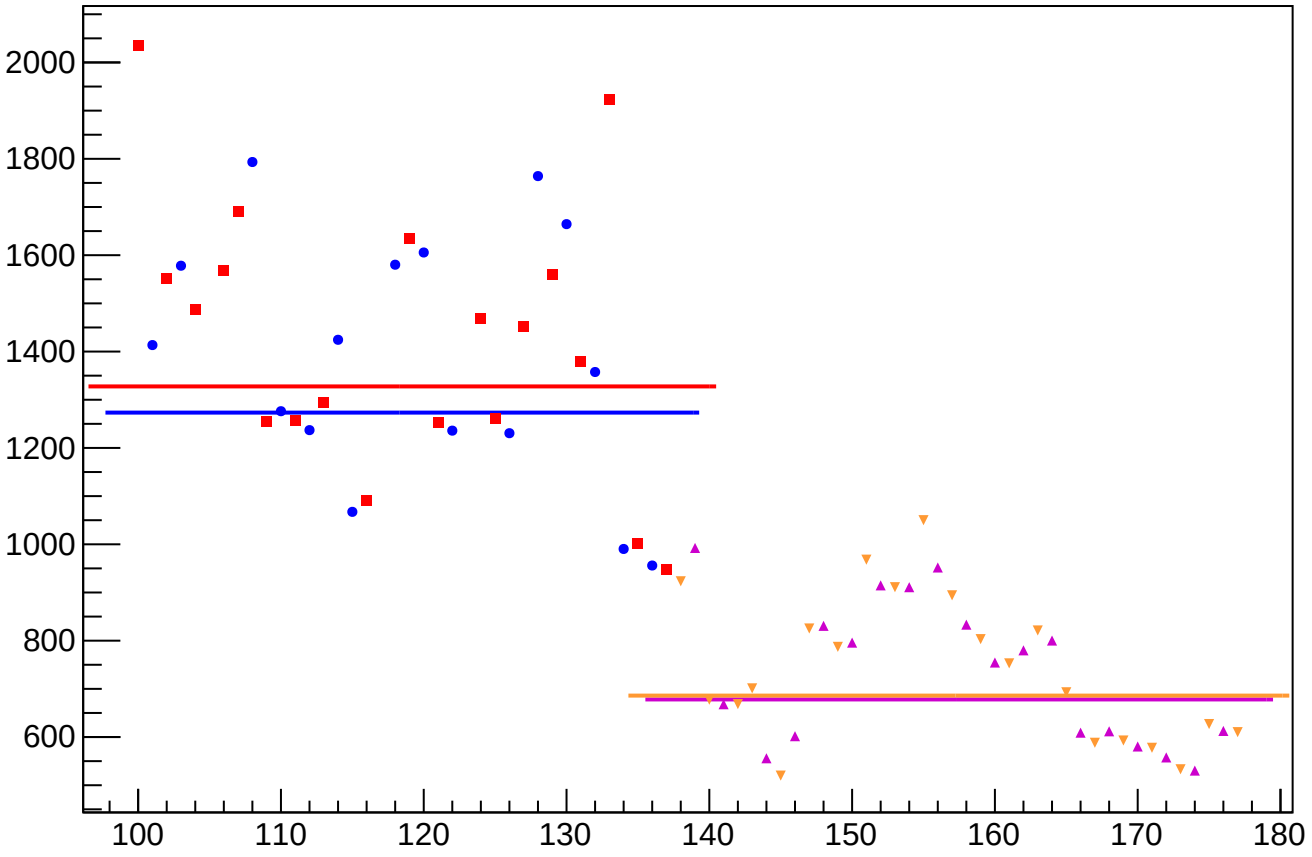
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -198.903+/-175.945 χ^2/NDF:20.8/18

+ sign -861.839+/-162.070 χ^2/NDF: 83.0/36

All: -583.204+/-115.917 χ^2/NDF: 123.4/74

- sign -291.388+/-165.859 χ^2/NDF: 34.3/37



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 686.005+/-0.122 χ^2/NDF:1271580.5/20

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

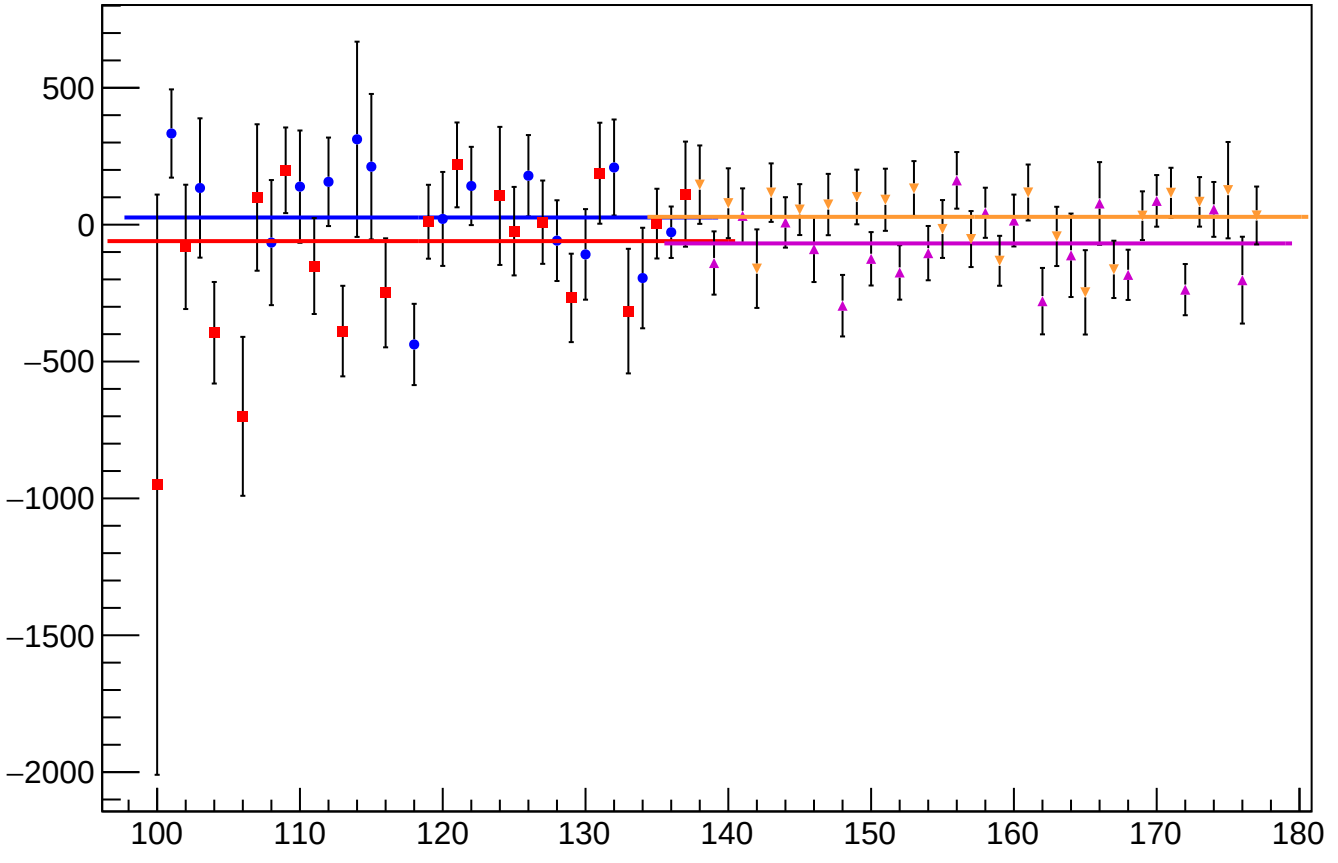
Left In: 678.035+/-0.124 χ^2/NDF:1178856.8/18

\+ sign 751.191+/-0.115 χ^2/NDF: 4460667.1/36

All: 750.794+/-0.082 χ^2/NDF: 9134279.2/74

\- sign 750.379+/-0.117 χ^2/NDF: 4673587.6/37

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 28.550+/-23.386 χ^2/NDF:18.6/20

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

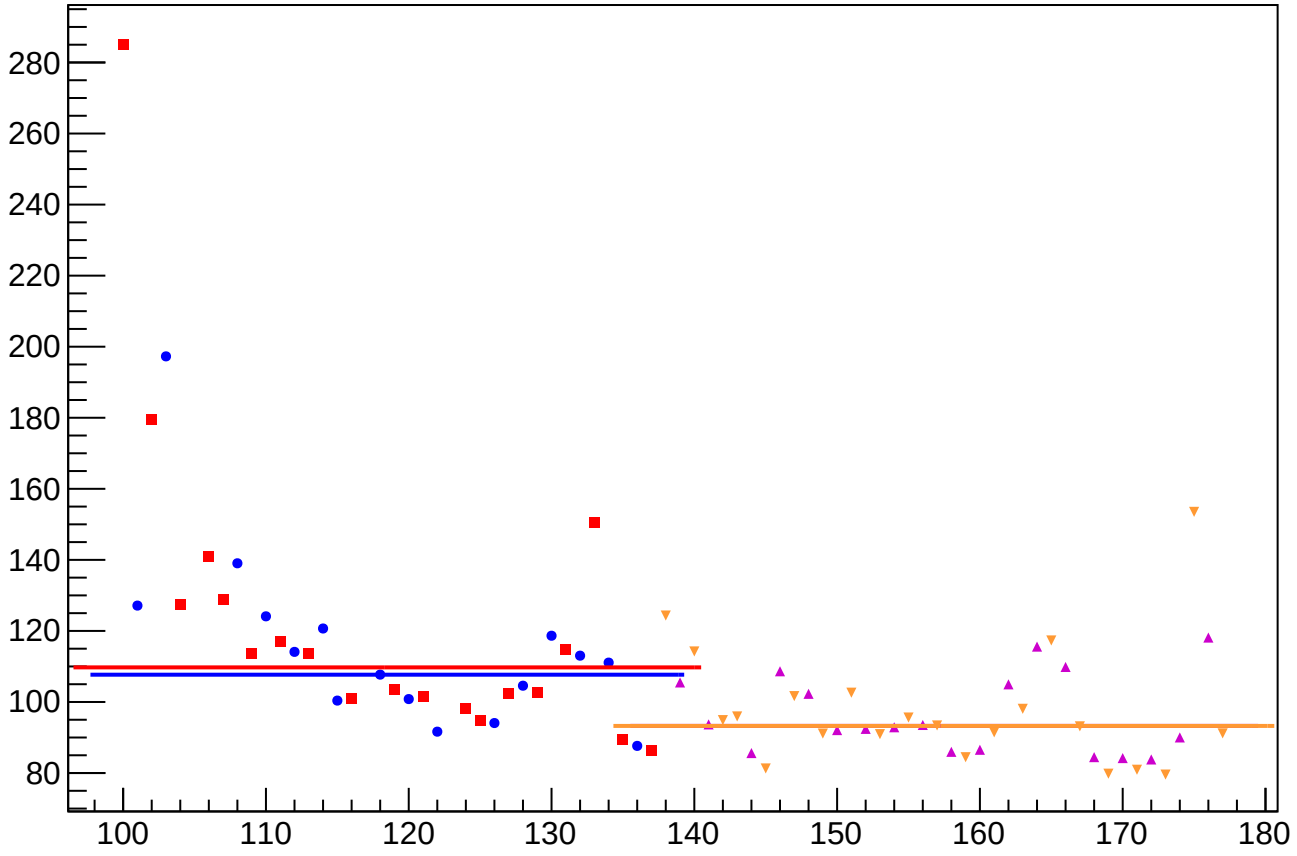
Left In: -68.505+/-24.169 χ^2/NDF:28.9/18

+ sign 27.990+/-20.340 χ^2/NDF: 40.0/36

All: -17.941+/-14.573 χ^2/NDF: 106.4/74

- sign -66.384+/-20.889 χ^2/NDF: 55.9/37

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 93.262+/-0.017 χ^2/NDF:645453.1/20

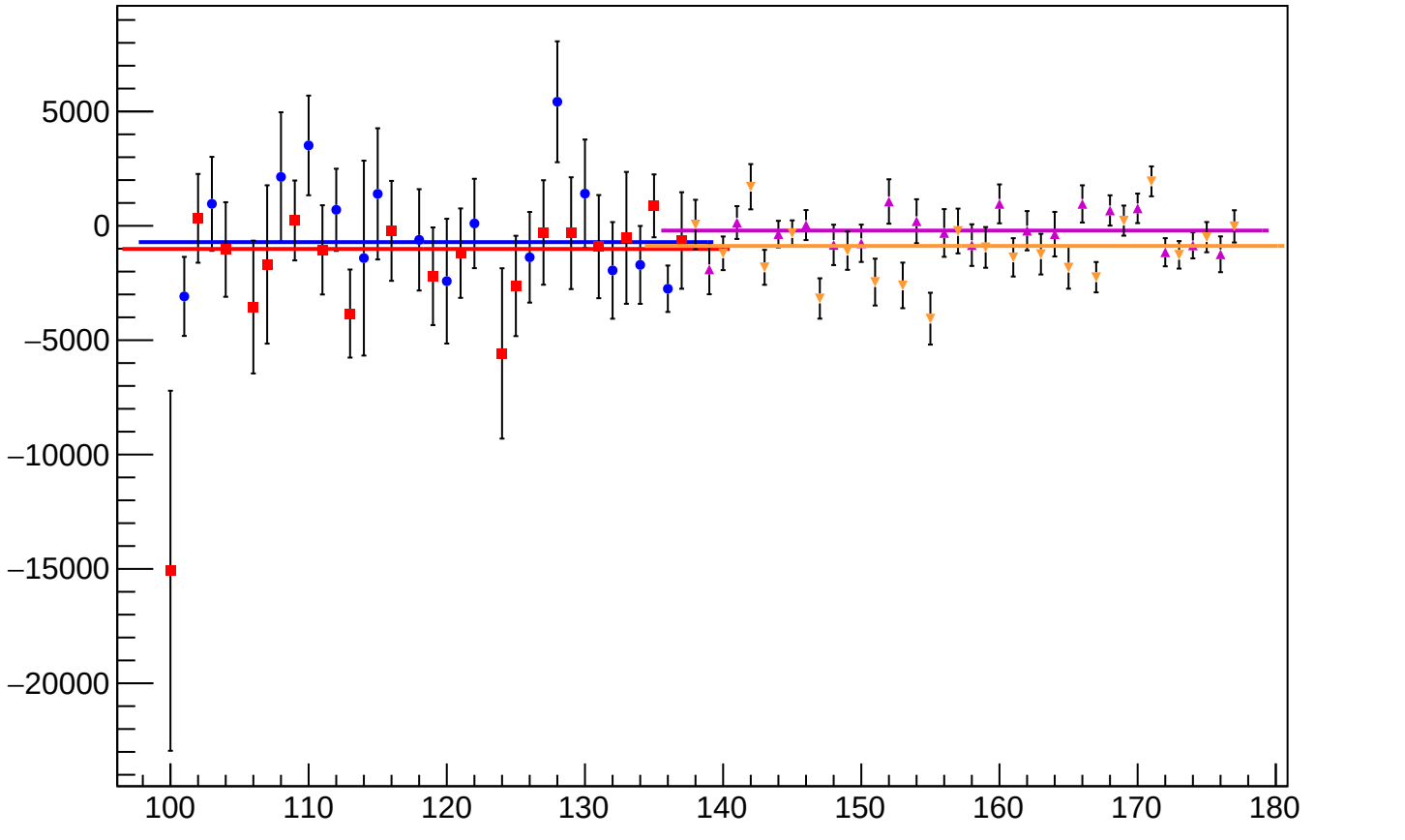
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.268+/-0.017 χ^2/NDF:299055.2/18

+ sign 96.773+/-0.014 χ^2/NDF: 1313689.4/36

All: 97.095+/-0.010 χ^2/NDF: 2340592.7/74

- sign 97.436+/-0.015 χ^2/NDF: 1025869.8/37



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -879.834+/-170.826 χ^2/NDF:60.4/20

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

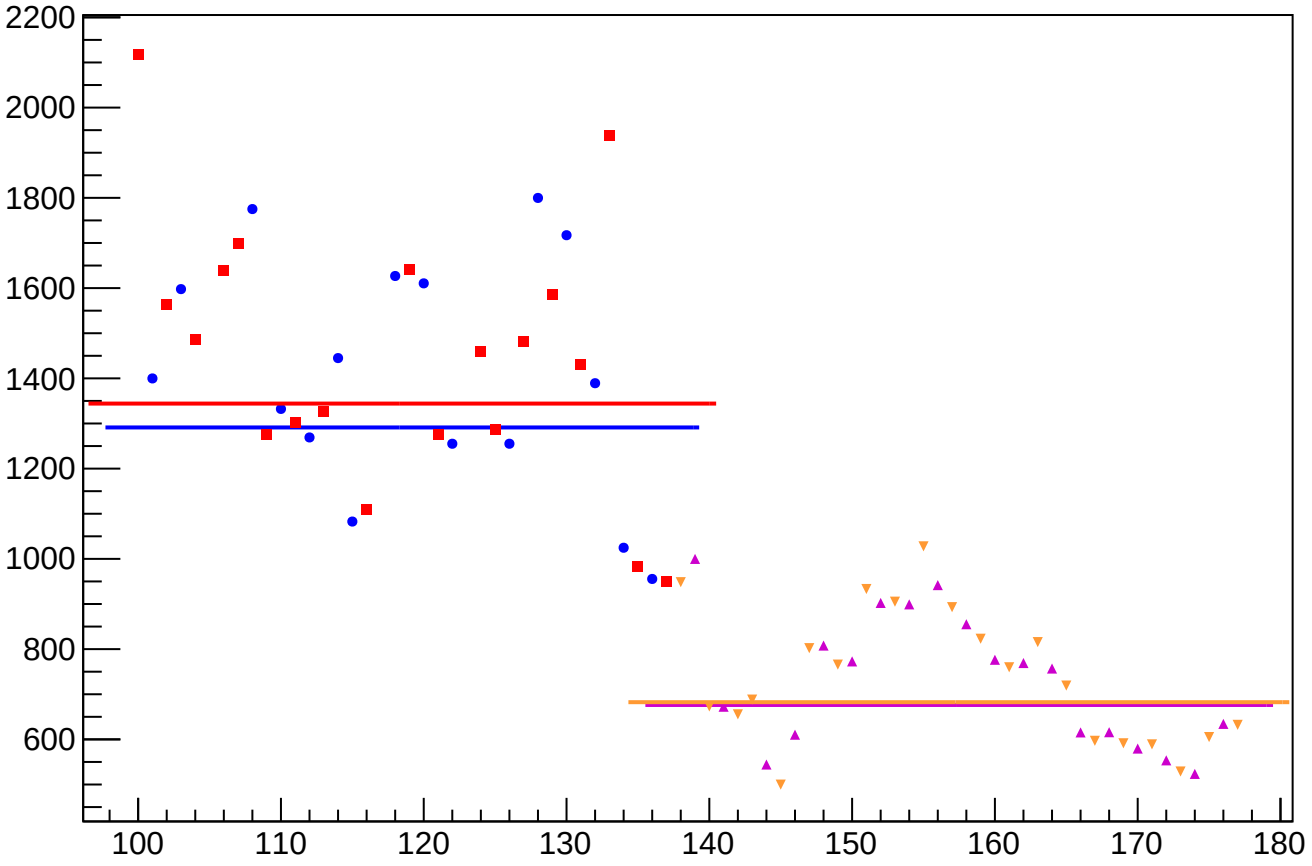
Left In: -207.772+/-175.482 χ^2/NDF:19.6/18

+ sign -861.955+/-161.420 χ^2/NDF: 80.6/36

All: -585.961+/-115.601 χ^2/NDF: 120.2/74

- sign -295.382+/-165.630 χ^2/NDF: 33.7/37

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 682.435+/-0.121 χ^2/NDF:1287623.4/20

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

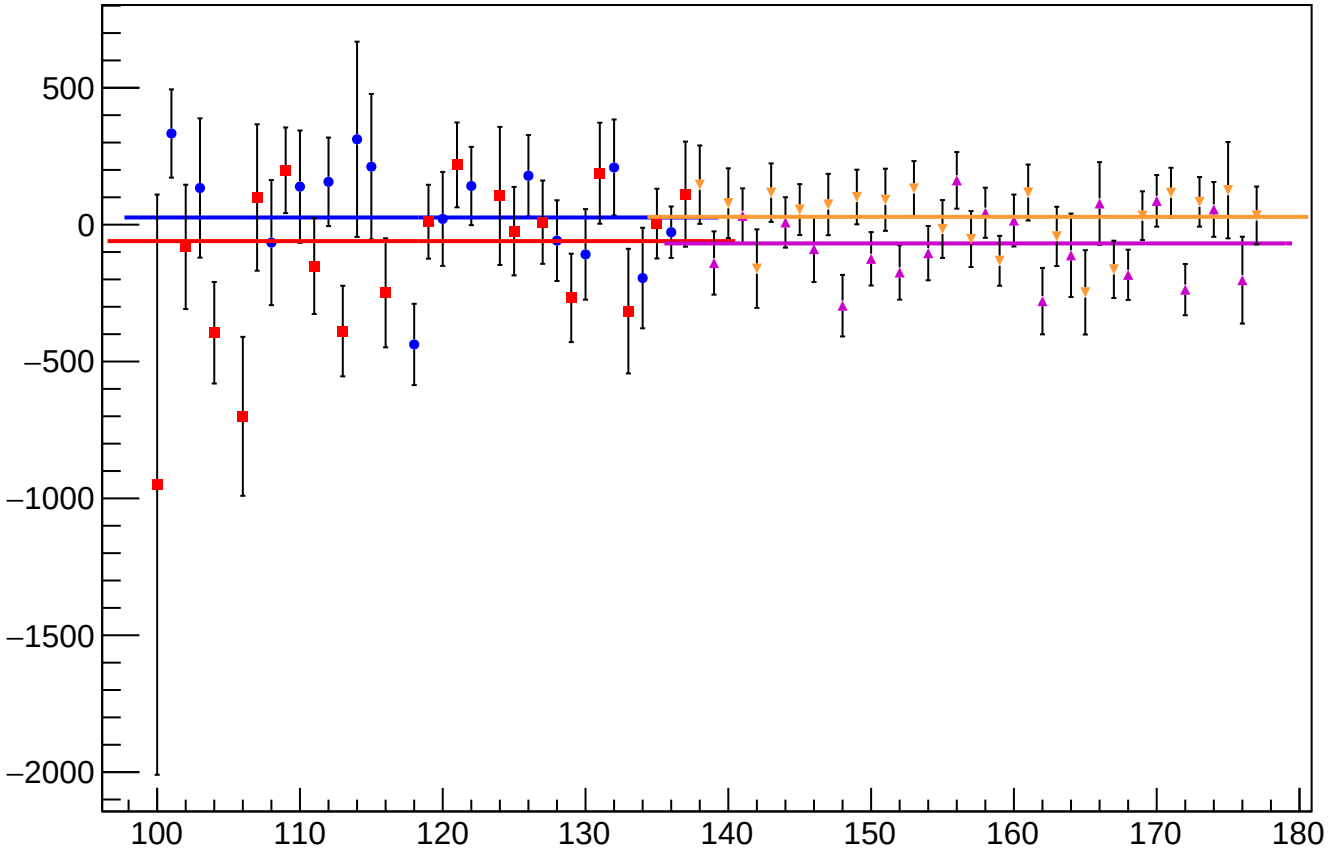
Left In: 676.272+/-0.124 χ^2/NDF:1162193.2/18

\+ sign 747.634+/-0.114 χ^2/NDF: 4618888.7/36

All: 748.375+/-0.082 χ^2/NDF: 9433483.0/74

\- sign 749.156+/-0.117 χ^2/NDF: 4814507.7/37

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 28.550+/-23.386 χ^2/NDF:18.6/20

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

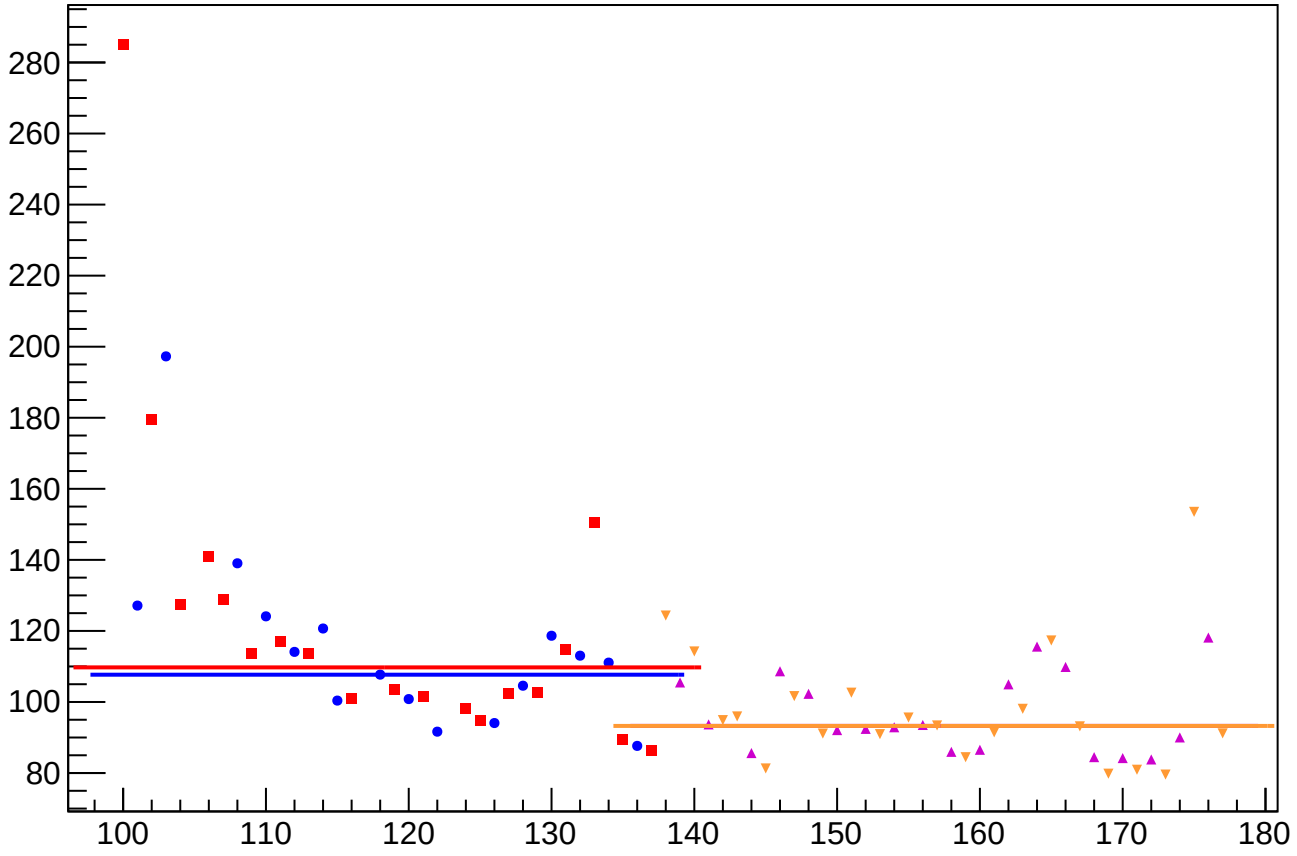
Left In: -68.504+/-24.169 χ^2/NDF:28.9/18

+ sign 27.991+/-20.340 χ^2/NDF: 40.0/36

All: -17.940+/-14.573 χ^2/NDF: 106.4/74

- sign -66.382+/-20.889 χ^2/NDF: 55.9/37

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 93.262+/-0.017 χ^2/NDF:645447.8/20

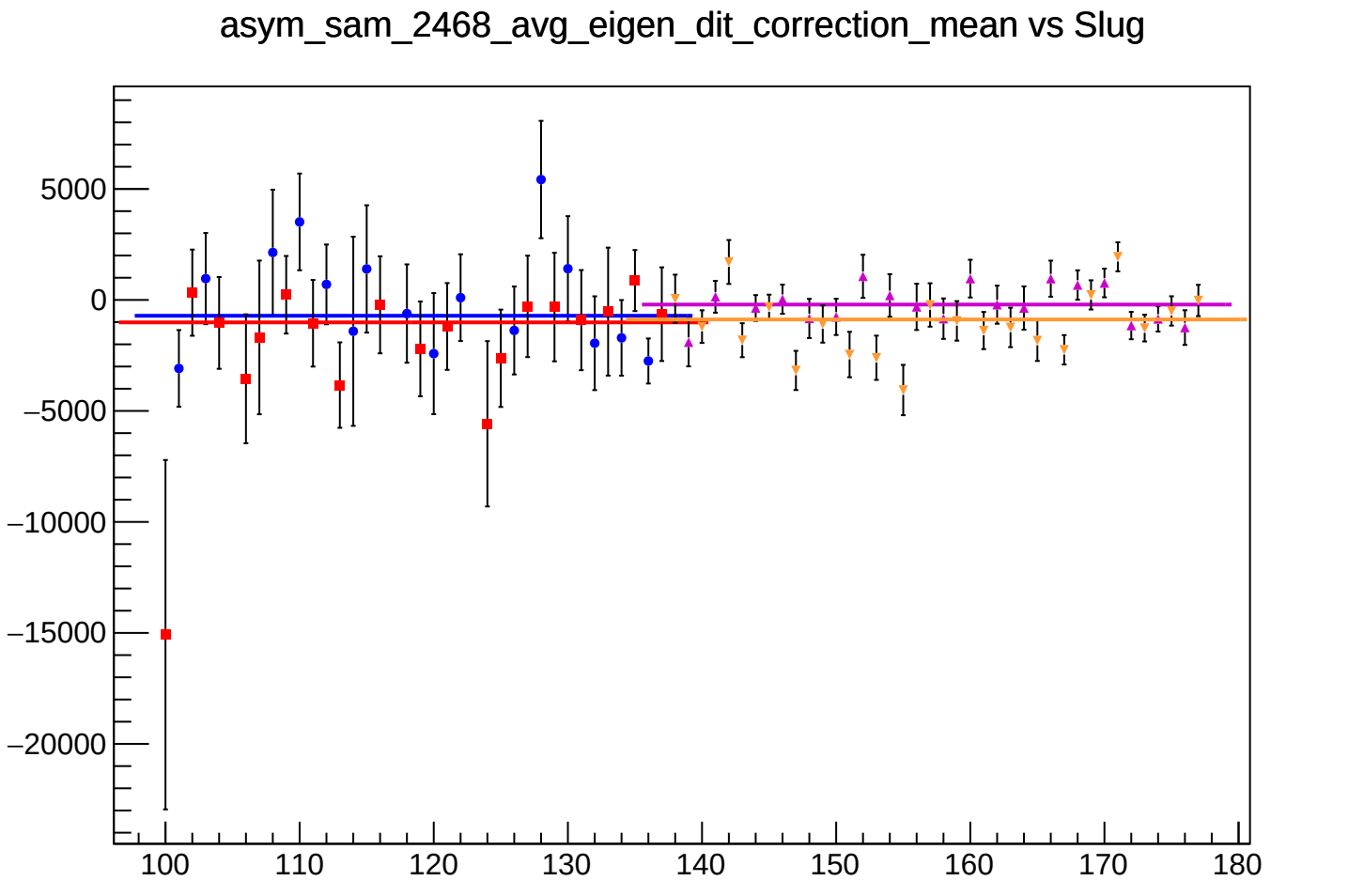
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 93.268+/-0.017 χ^2/NDF:299056.0/18

+ sign 96.773+/-0.014 χ^2/NDF: 1313646.1/36

All: 97.095+/-0.010 χ^2/NDF: 2340522.5/74

- sign 97.436+/-0.015 χ^2/NDF: 1025842.7/37



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -879.832+/-170.826 χ^2/NDF:60.4/20

Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

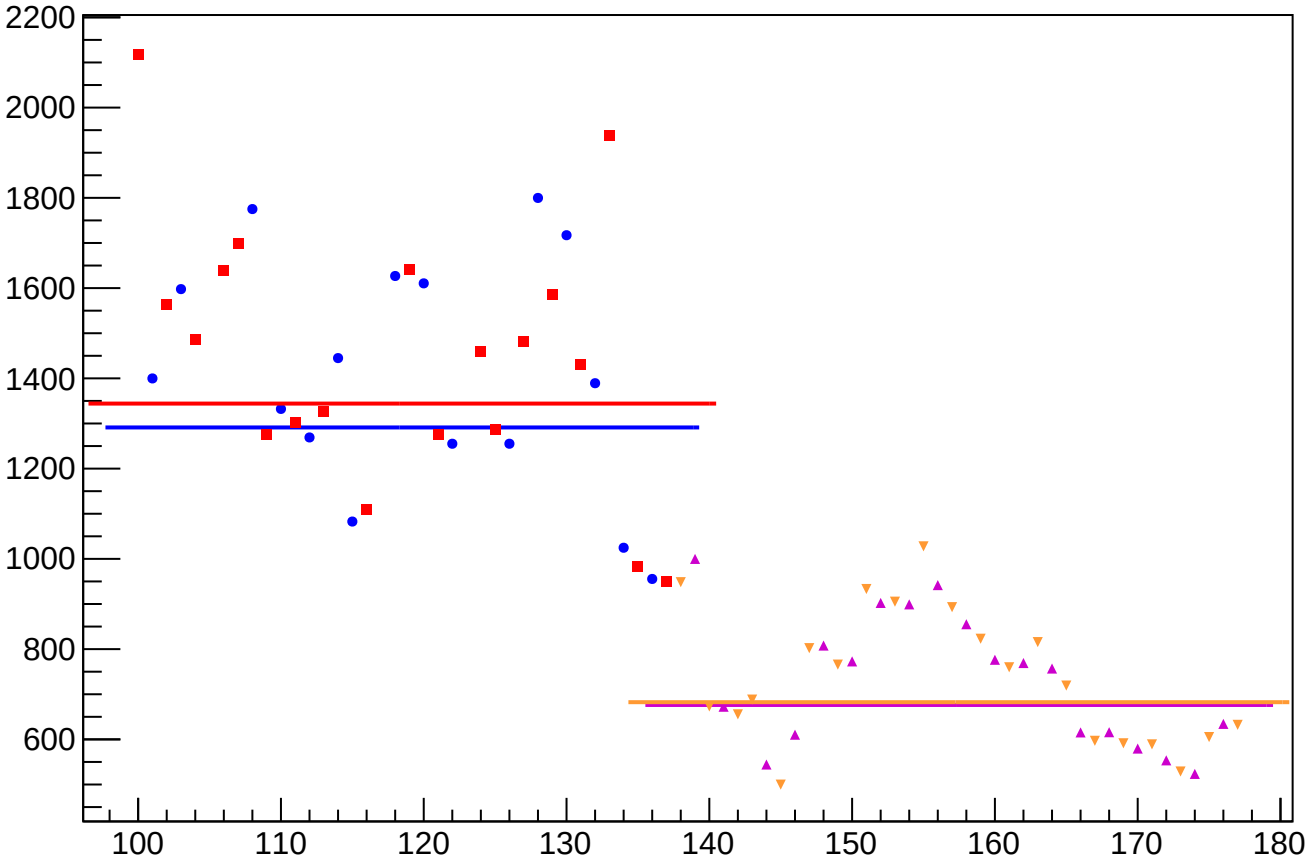
Left In: -207.770+/-175.482 χ^2/NDF:19.6/18

+ sign -861.952+/-161.420 χ^2/NDF: 80.6/36

All: -585.959+/-115.601 χ^2/NDF: 120.2/74

- sign -295.381+/-165.630 χ^2/NDF: 33.7/37

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 682.434+/-0.121 χ^2/NDF:1287630.6/20

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

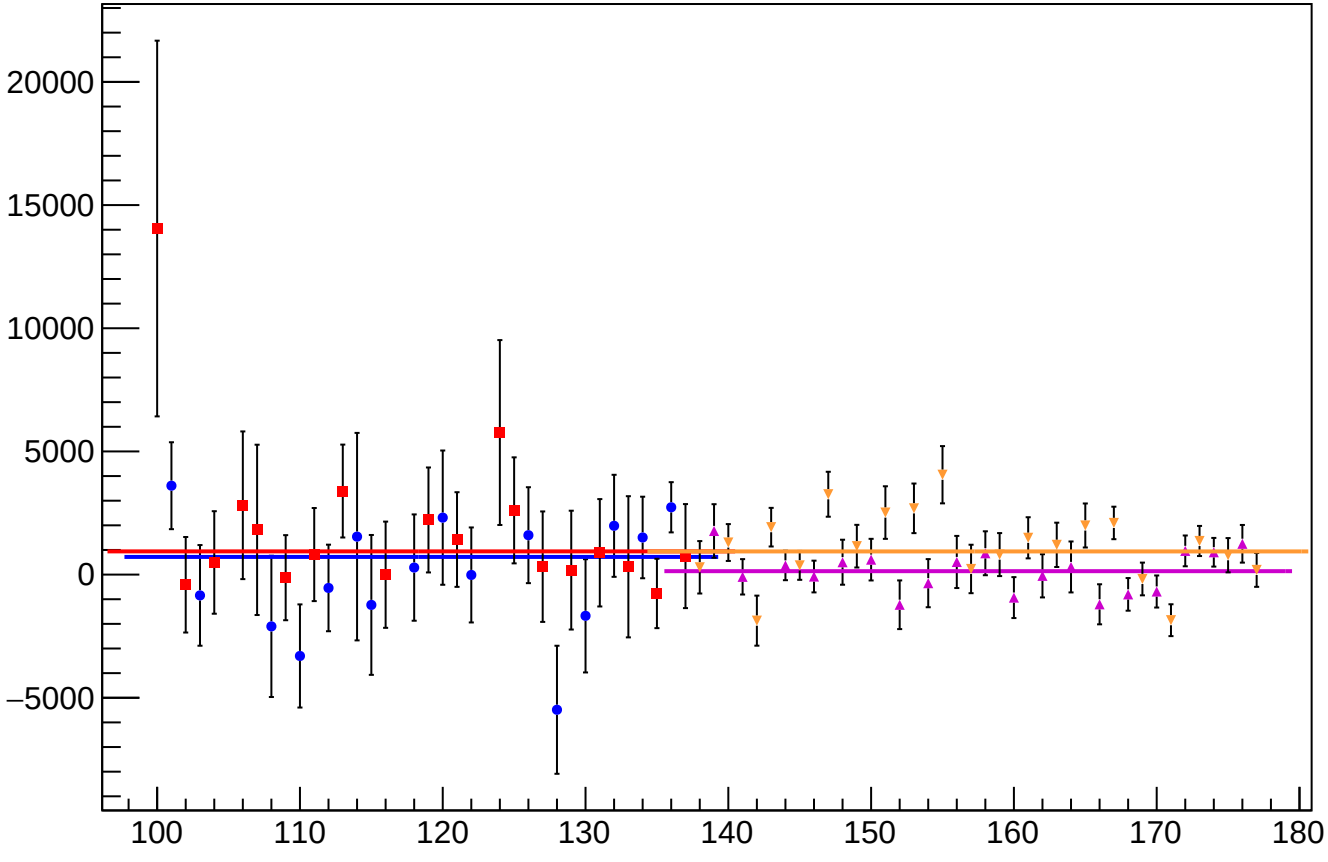
Left In: 676.270+/-0.124 χ^2/NDF:1162197.0/18

\+ sign 747.632+/-0.114 χ^2/NDF: 4618892.6/36

All: 748.374+/-0.082 χ^2/NDF: 9433488.2/74

\- sign 749.154+/-0.117 χ^2/NDF: 4814509.0/37

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 940.907+/-173.023 χ^2/NDF:58.4/20

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

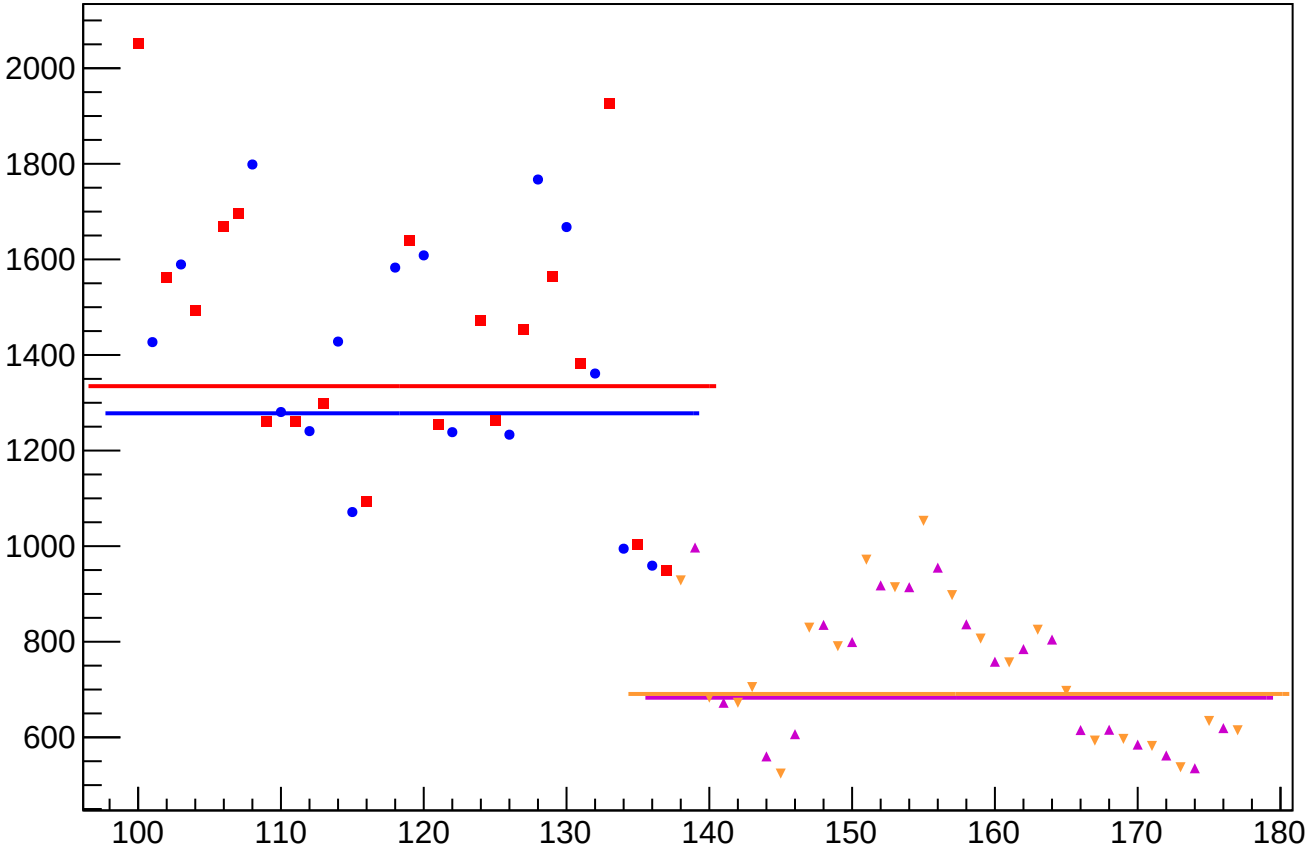
Left In: 139.246+/-177.148 χ^2/NDF:19.7/18

+ sign 915.994+/-163.085 χ^2/NDF: 79.6/36

All: 580.658+/-116.645 χ^2/NDF: 120.8/74

- sign 229.431+/-166.904 χ^2/NDF: 32.6/37

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 690.748+/-0.122 χ^2/NDF:1251790.0/20

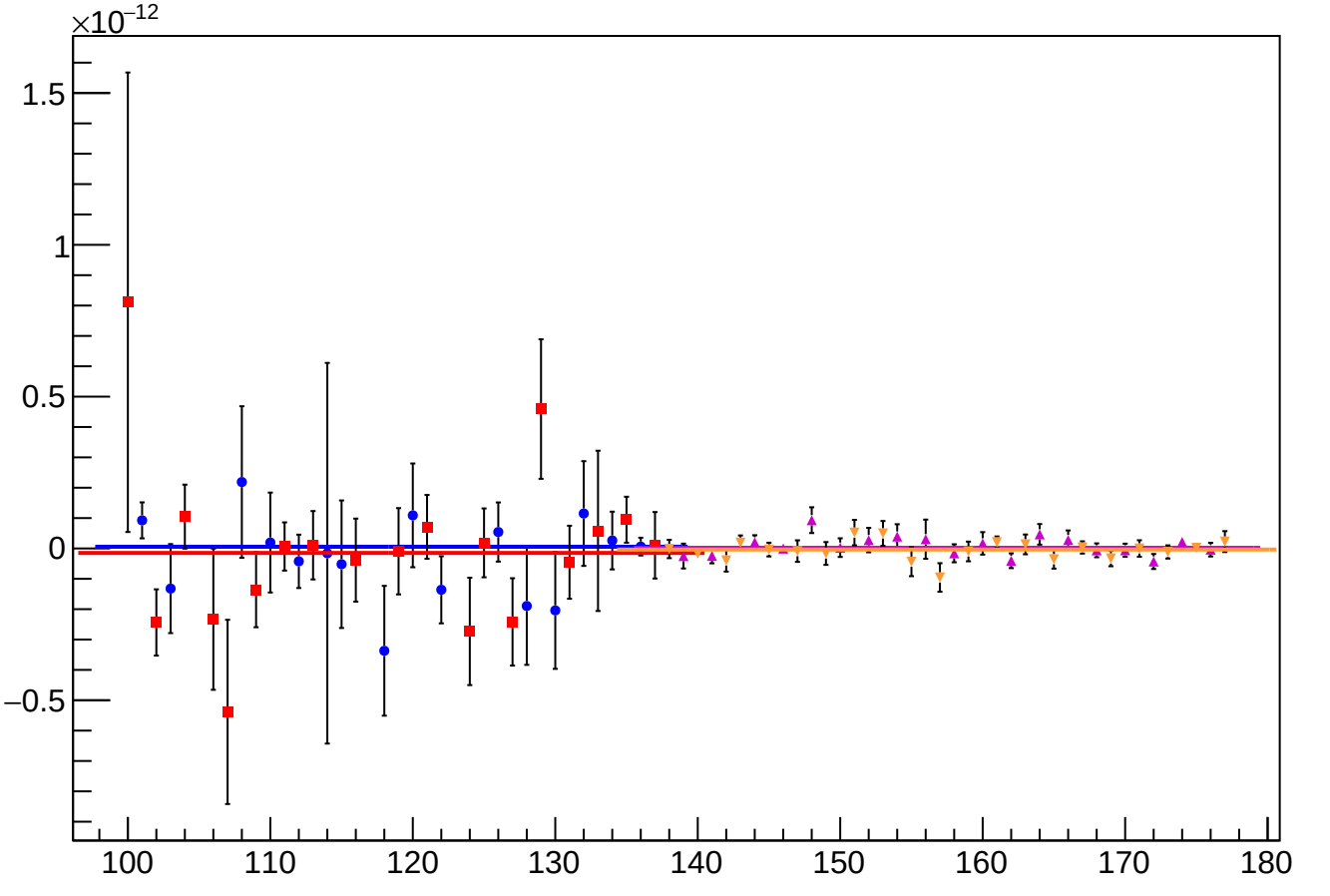
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 682.906+/-0.125 χ^2/NDF:1158653.6/18

+ sign 756.268+/-0.115 χ^2/NDF: 4419877.7/36

All: 756.192+/-0.082 χ^2/NDF: 9091790.4/74

- sign 756.112+/-0.118 χ^2/NDF: 4671911.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/20

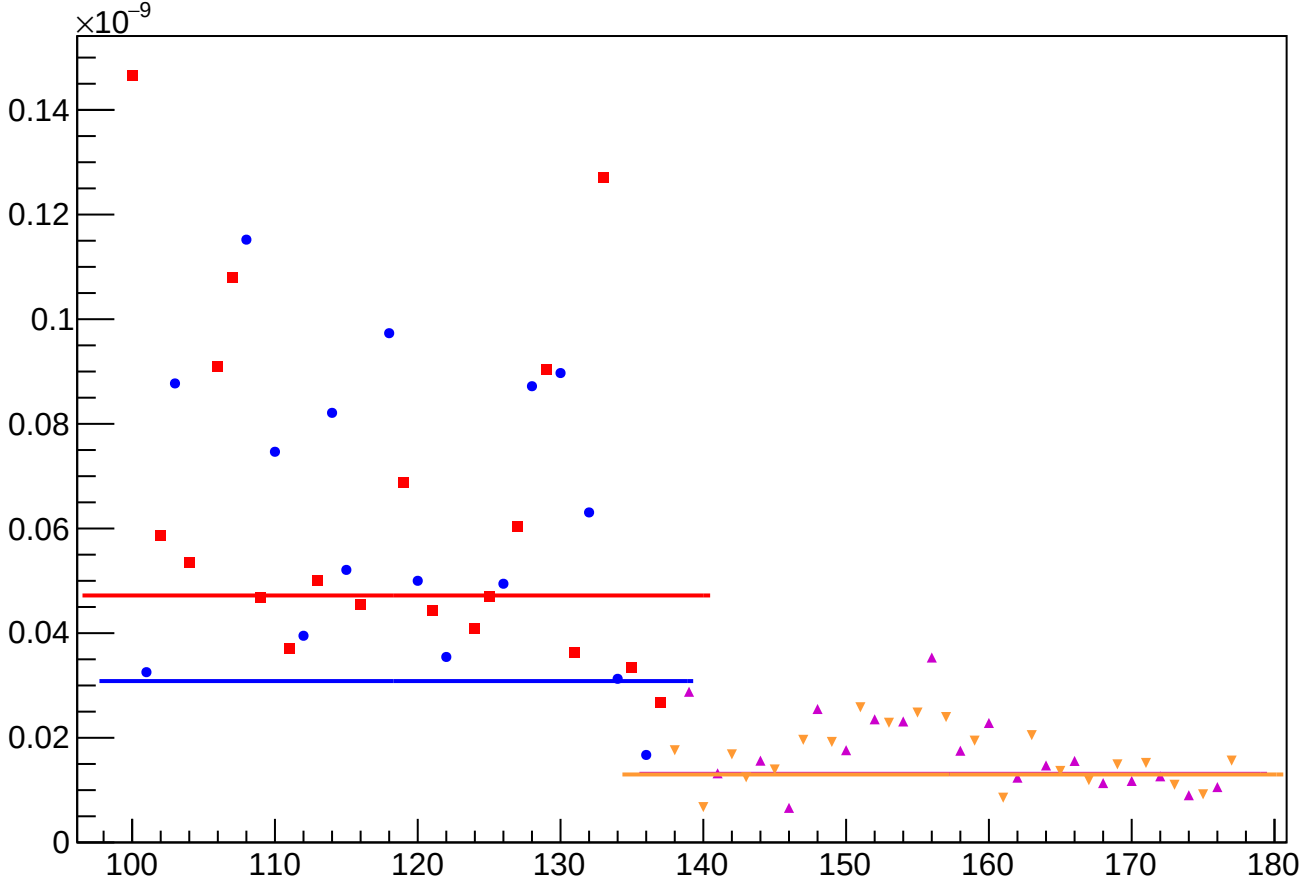
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.3/18

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/36

All: -0.000+/-0.000 χ^2/NDF: 71.6/74

- sign 0.000+/-0.000 χ^2/NDF: 43.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1561732.4/20

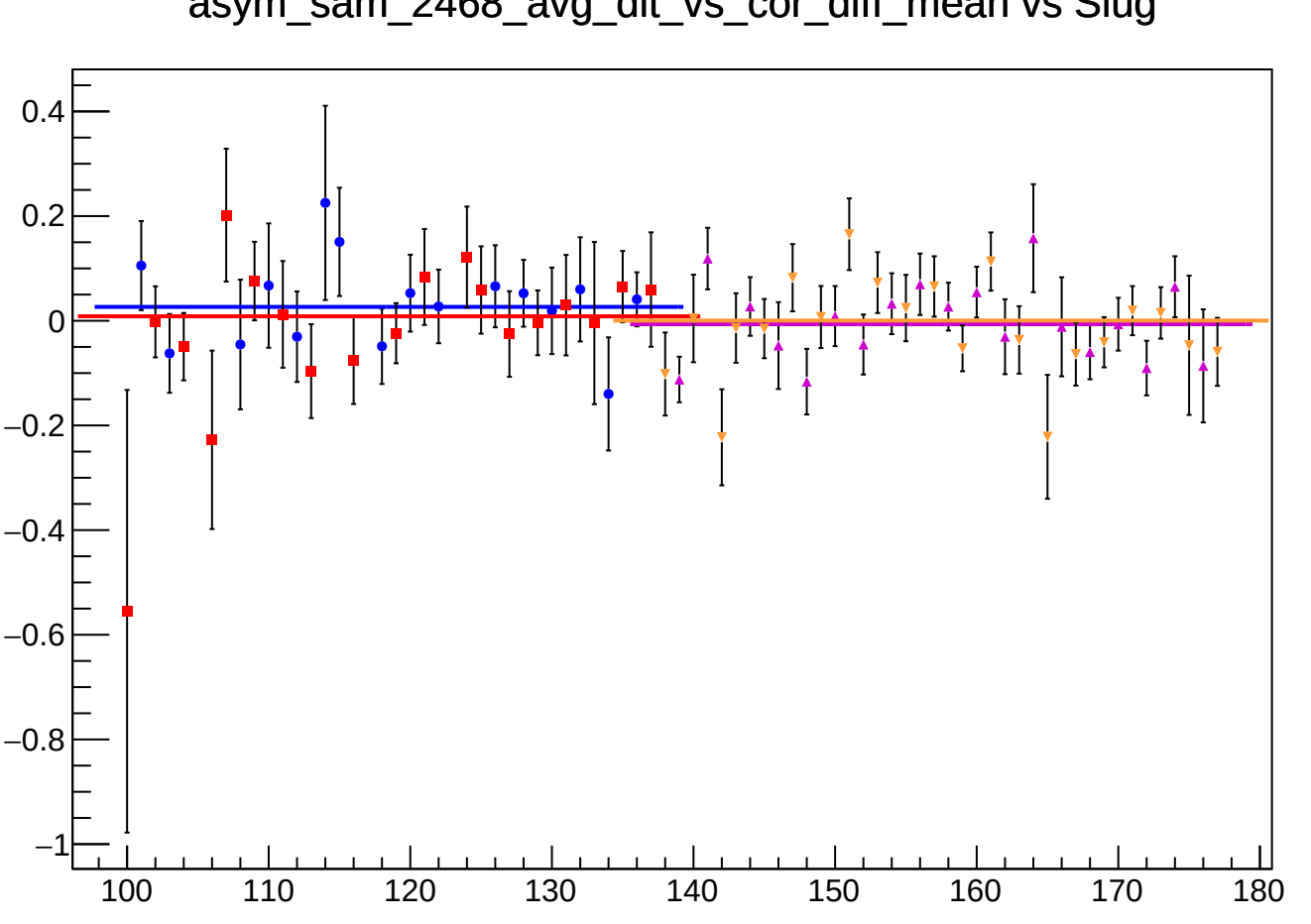
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1800979.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 4758368.7/36

All: 0.000+/-0.000 χ^2/NDF: 10007382.7/74

- sign 0.000+/-0.000 χ^2/NDF: 5244075.6/37



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.6/20

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

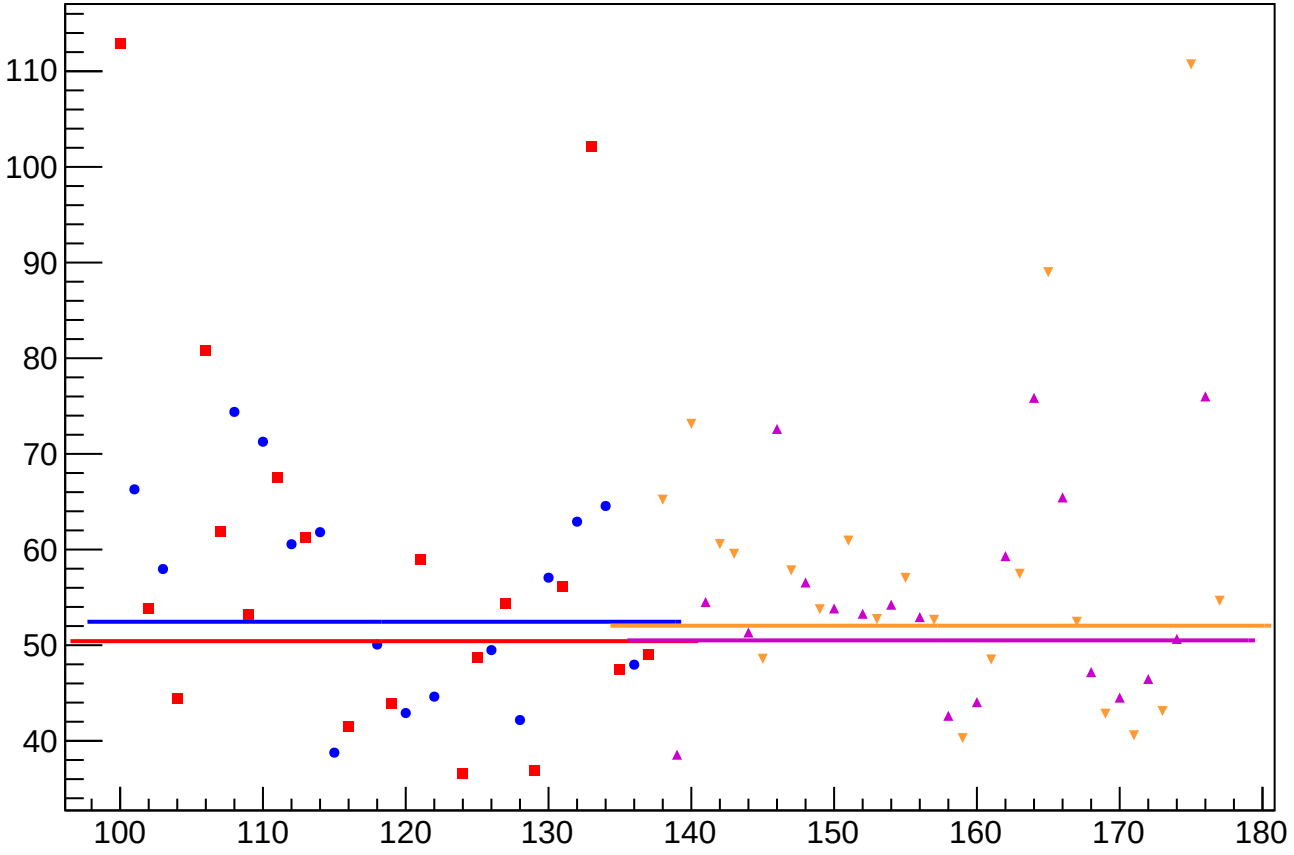
Left In: -0.007+/-0.013 χ^2/NDF:27.2/18

+ sign 0.008+/-0.011 χ^2/NDF: 41.7/36

All: 0.003+/-0.008 χ^2/NDF: 83.7/74

- sign -0.002+/-0.011 χ^2/NDF: 41.6/37

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: 52.039+/-0.009 χ^2/NDF:1310326.7/20

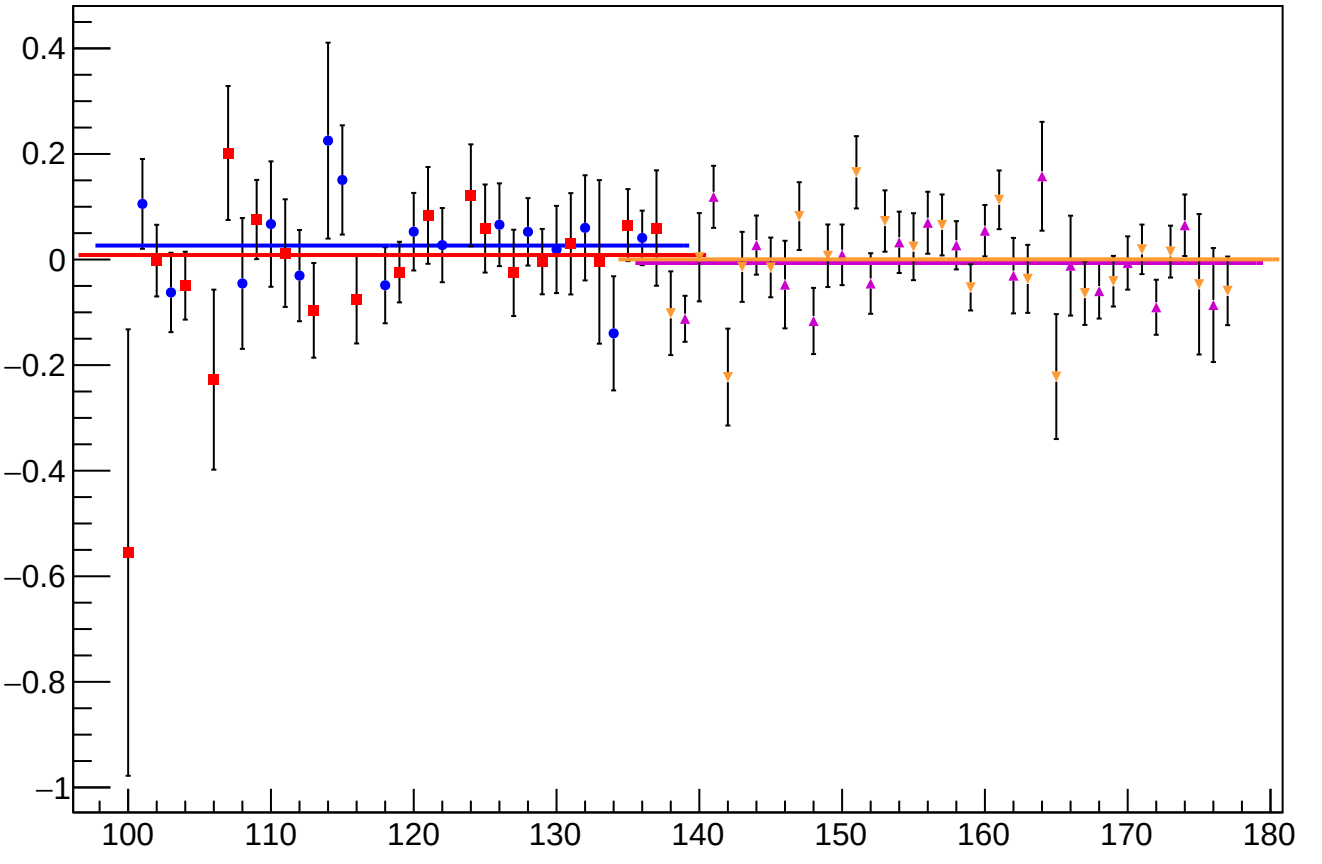
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.504+/-0.009 χ^2/NDF:799751.9/18

+ sign 52.163+/-0.008 χ^2/NDF: 1728911.6/36

All: 51.310+/-0.006 χ^2/NDF: 3228362.4/74

- sign 50.478+/-0.008 χ^2/NDF: 1476522.6/37



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.6/20

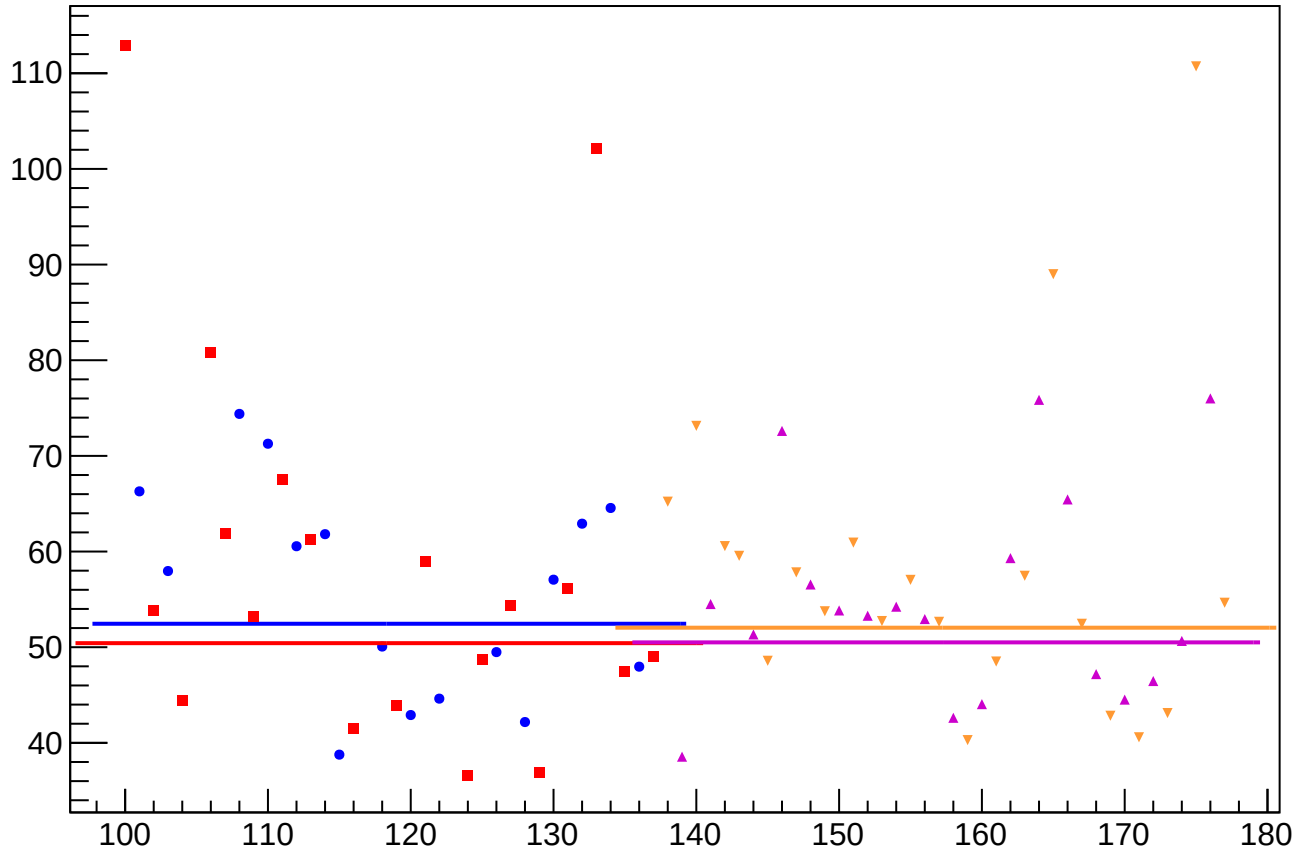
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.013 χ^2/NDF:27.2/18

+ sign 0.008+/-0.011 χ^2/NDF: 41.7/36

All: 0.003+/-0.008 χ^2/NDF: 83.7/74

- sign -0.002+/-0.011 χ^2/NDF: 41.6/37



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310326.7/20

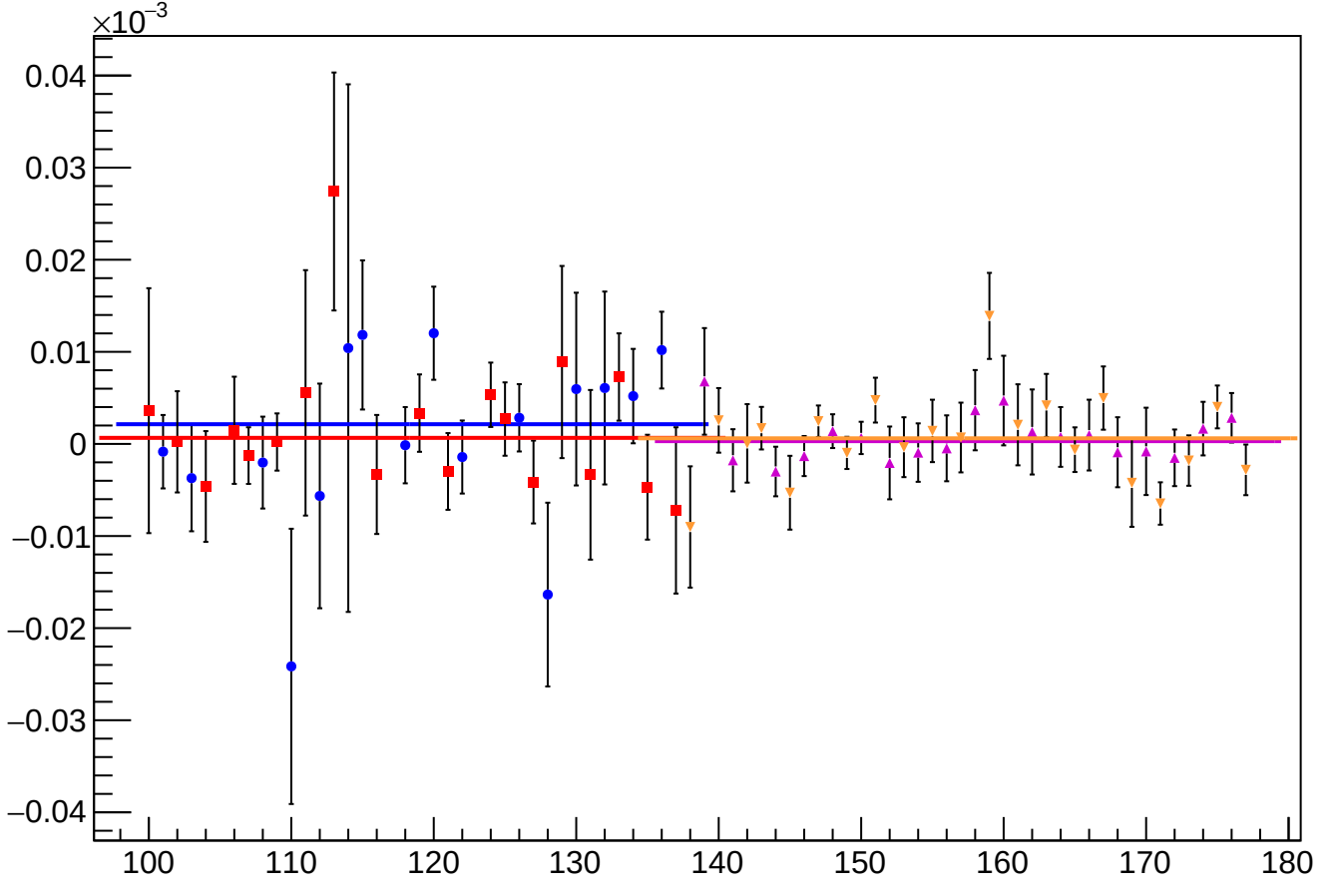
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.504+/-0.009 χ^2/NDF:799751.9/18

+ sign 52.163+/-0.008 χ^2/NDF: 1728911.6/36

All: 51.310+/-0.006 χ^2/NDF: 3228362.4/74

- sign 50.478+/-0.008 χ^2/NDF: 1476522.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/20

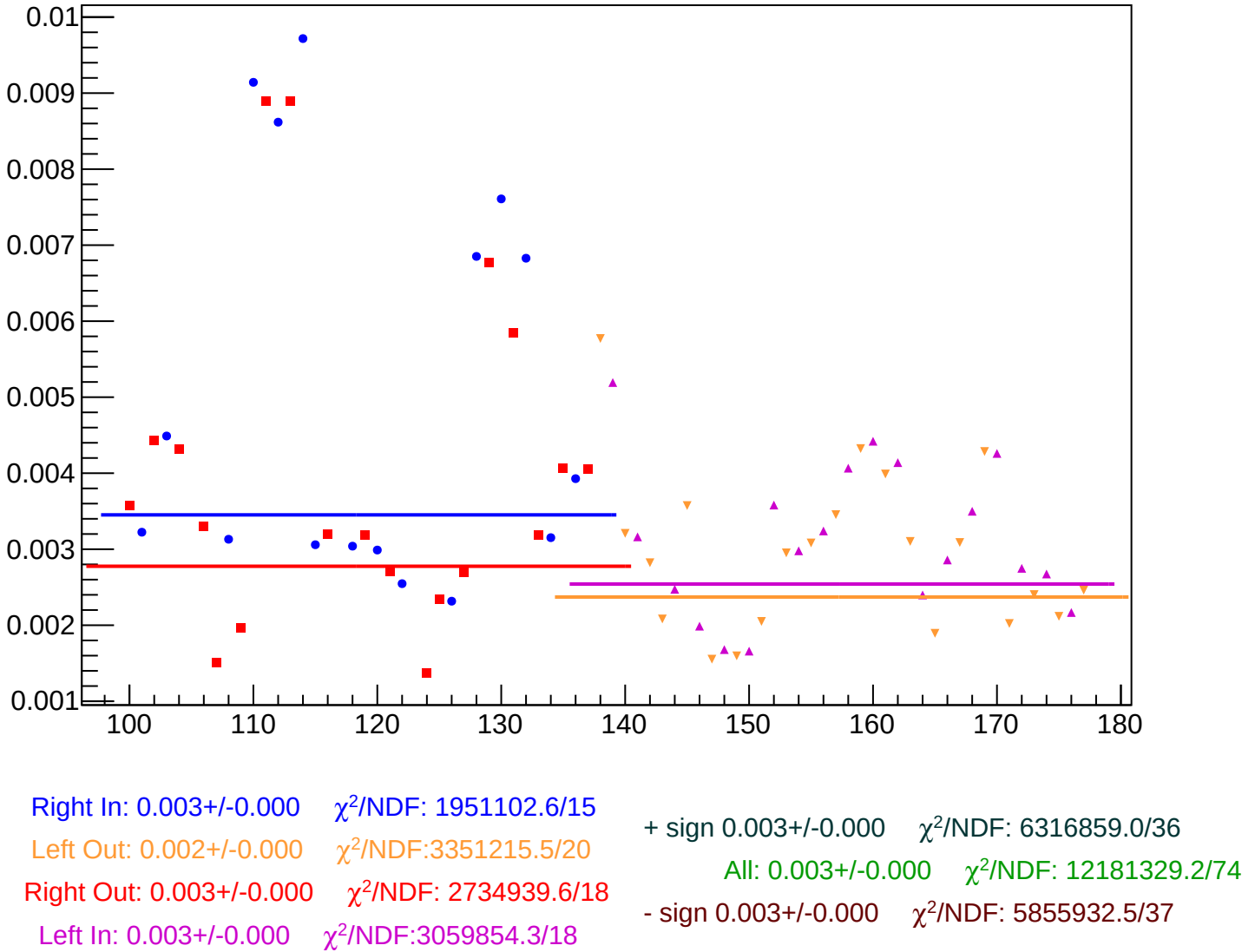
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

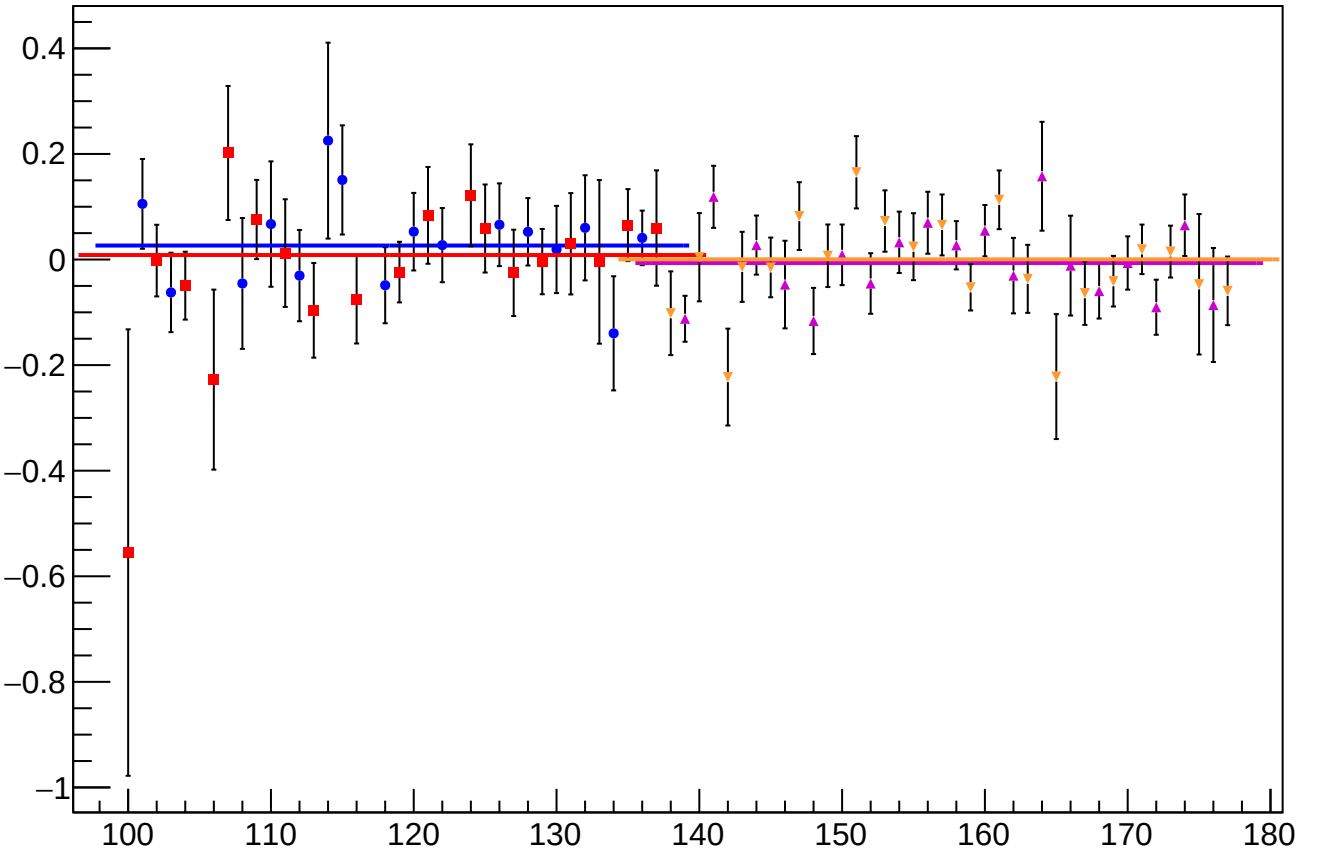
Left In: 0.000+/-0.000 χ^2/NDF:7.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/36

All: 0.000+/-0.000 χ^2/NDF: 80.1/74

- sign 0.000+/-0.000 χ^2/NDF: 22.7/37


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 1951102.6/15
Left Out: 0.002+/-0.000 χ²/NDF:3351215.5/20
Right Out: 0.003+/-0.000 χ²/NDF: 2734939.6/18
Left In: 0.003+/-0.000 χ²/NDF:3059854.3/18
+ sign 0.003+/-0.000 χ²/NDF: 6316859.0/36
All: 0.003+/-0.000 χ²/NDF: 12181329.2/74
- sign 0.003+/-0.000 χ²/NDF: 5855932.5/37



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.6/20

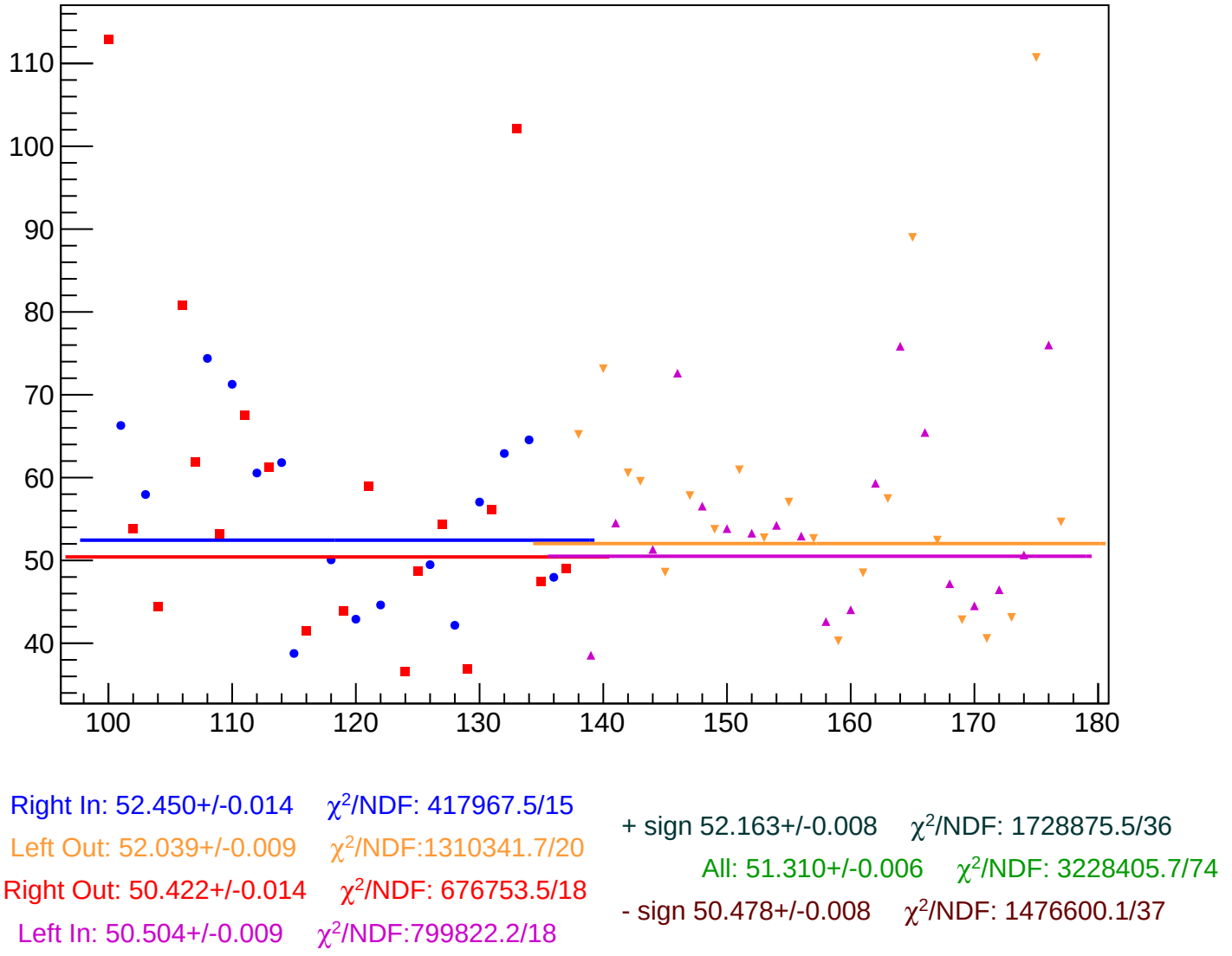
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.013 χ^2/NDF:27.2/18

+ sign 0.008+/-0.011 χ^2/NDF: 41.7/36

All: 0.003+/-0.008 χ^2/NDF: 83.7/74

- sign -0.002+/-0.011 χ^2/NDF: 41.6/37


asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug
110
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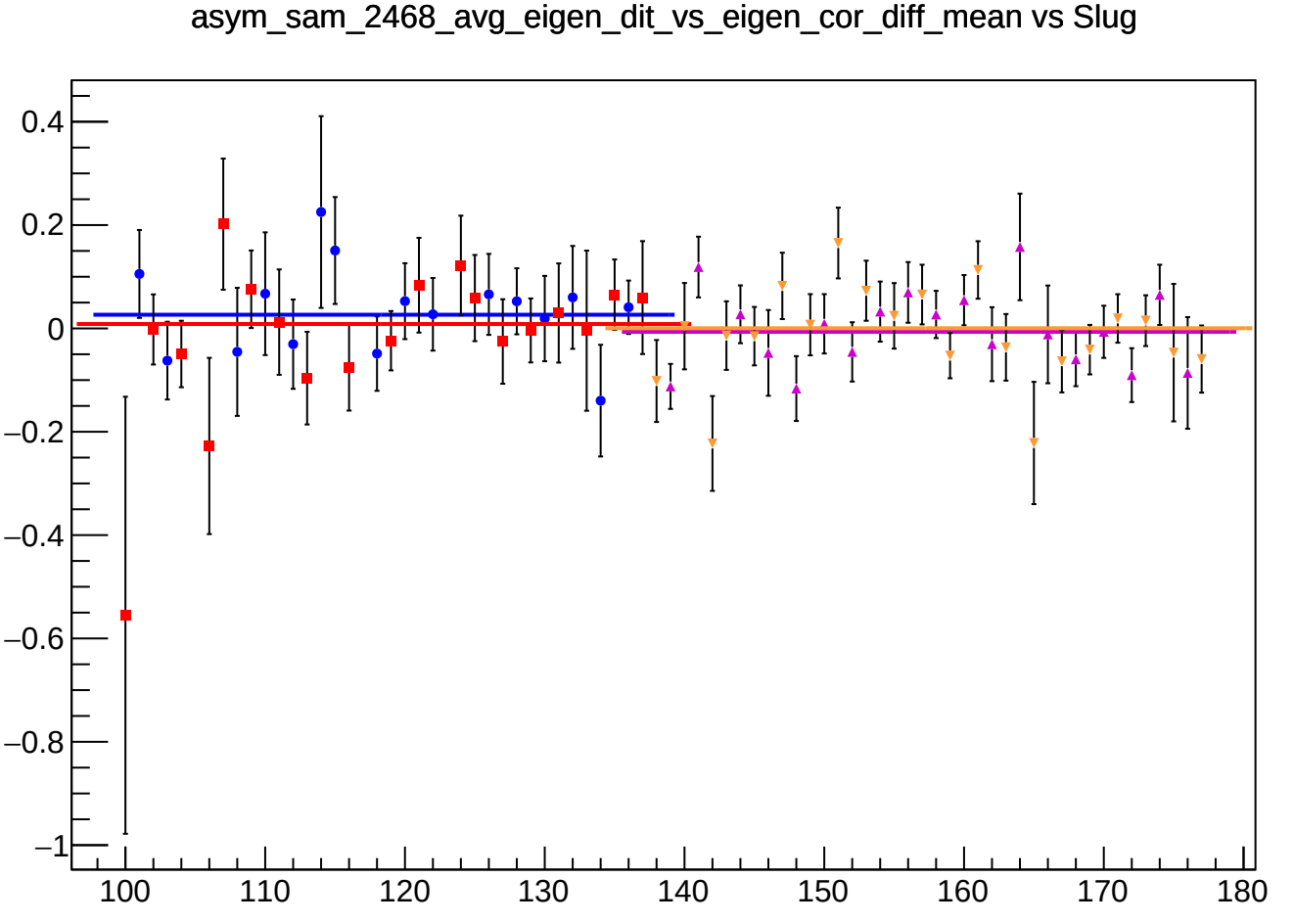
170
180
Right In: 52.450+/-0.014 χ2/NDF: 417967.5/15
Left Out: 52.039+/-0.009 χ2/NDF:1310341.7/20
Right Out: 50.422+/-0.014 χ2/NDF: 676753.5/18
Left In: 50.504+/-0.009 χ2/NDF:799822.2/18
+ sign 52.163+/-0.008 χ2/NDF: 1728875.5/36
All: 51.310+/-0.006 χ2/NDF: 3228405.7/74
- sign 50.478+/-0.008 χ2/NDF: 1476600.1/37



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.6/20

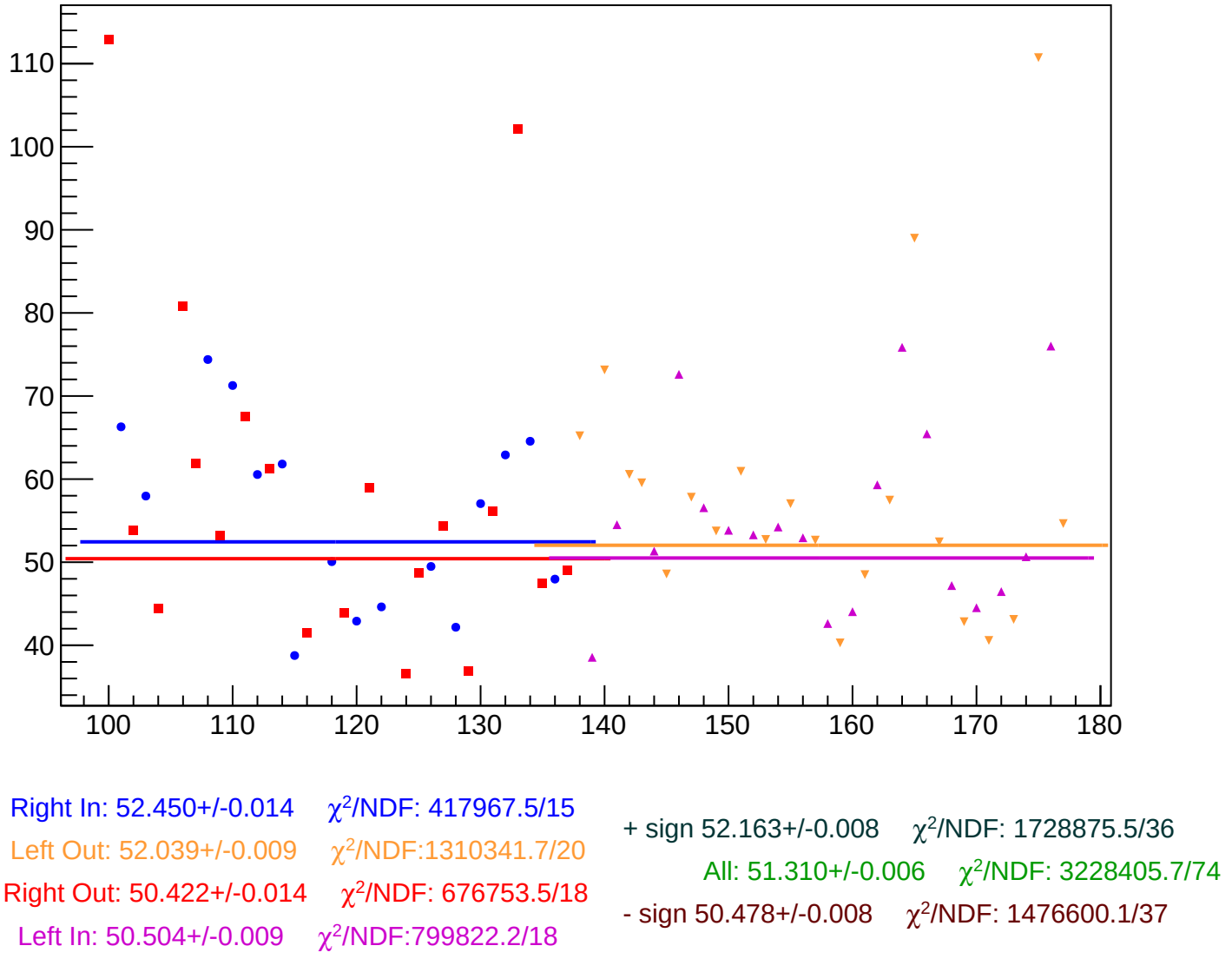
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.013 χ^2/NDF:27.2/18

+ sign 0.008+/-0.011 χ^2/NDF: 41.7/36

All: 0.003+/-0.008 χ^2/NDF: 83.7/74

- sign -0.002+/-0.011 χ^2/NDF: 41.6/37


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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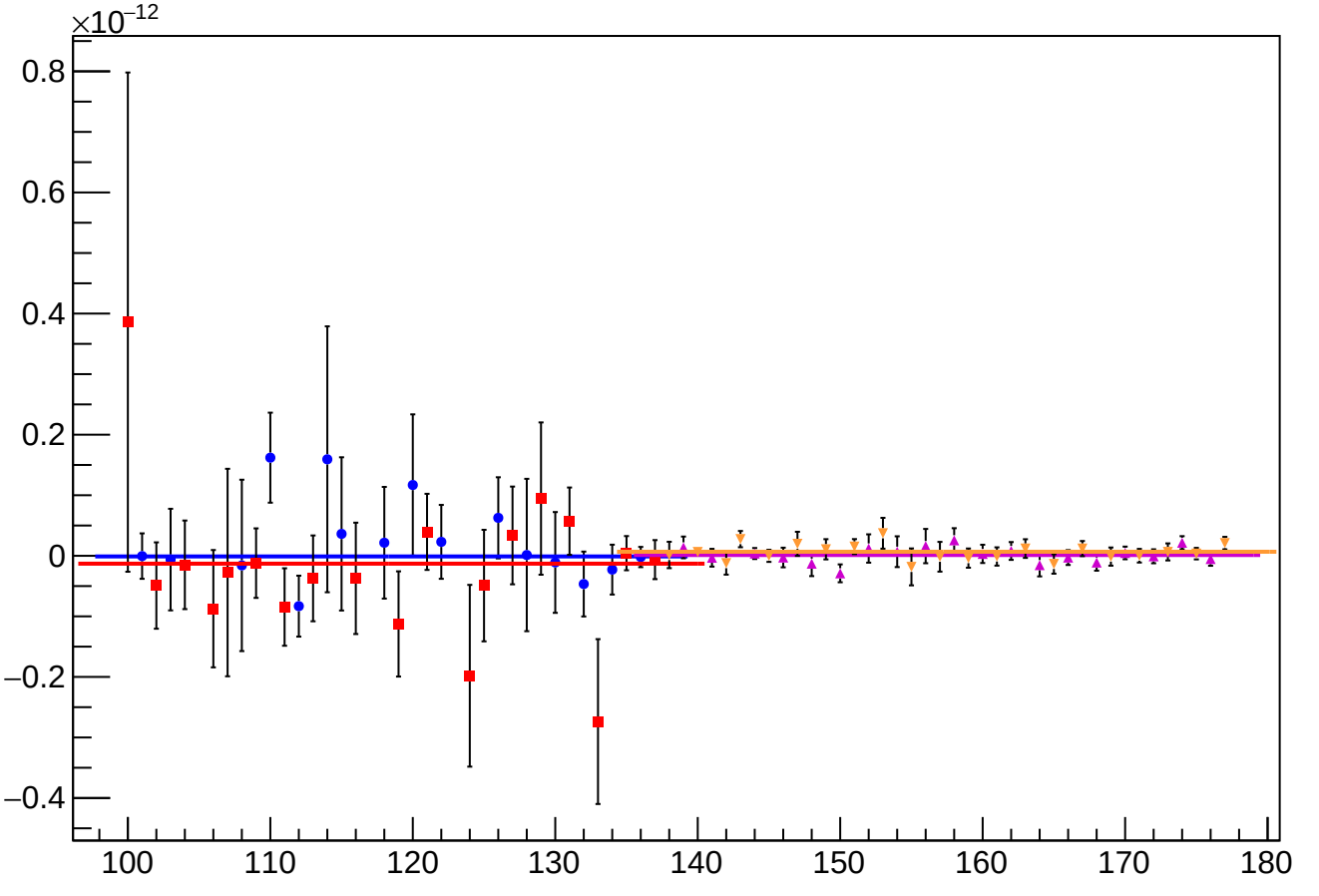
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 52.039+/-0.009 χ²/NDF:1310341.7/20
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 50.504+/-0.009 χ²/NDF:799822.2/18
+ sign 52.163+/-0.008 χ²/NDF: 1728875.5/36
All: 51.310+/-0.006 χ²/NDF: 3228405.7/74
- sign 50.478+/-0.008 χ²/NDF: 1476600.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/20

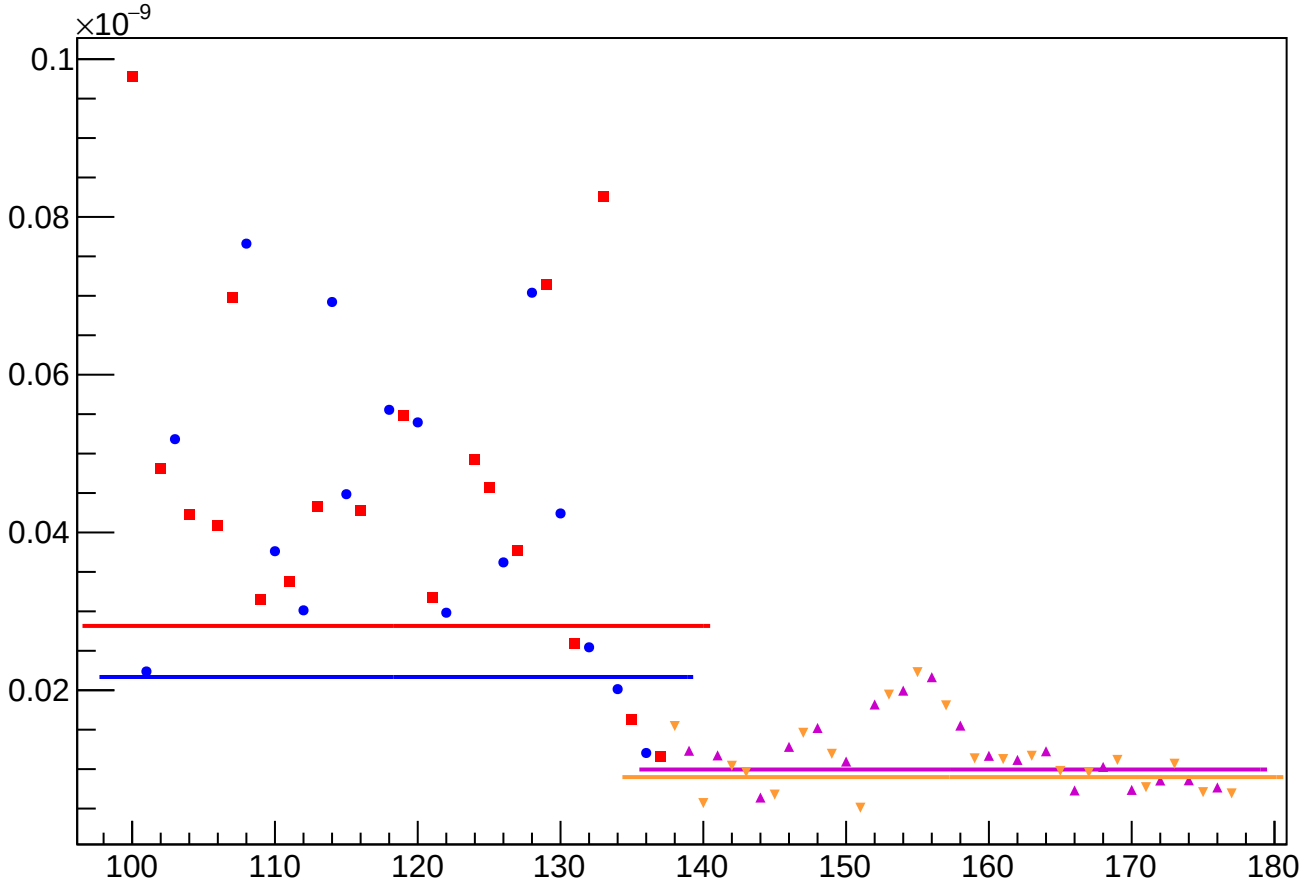
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/18

+ sign 0.000+/-0.000 χ^2/NDF: 24.0/36

All: 0.000+/-0.000 χ^2/NDF: 53.7/74

- sign 0.000+/-0.000 χ^2/NDF: 28.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2445253.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

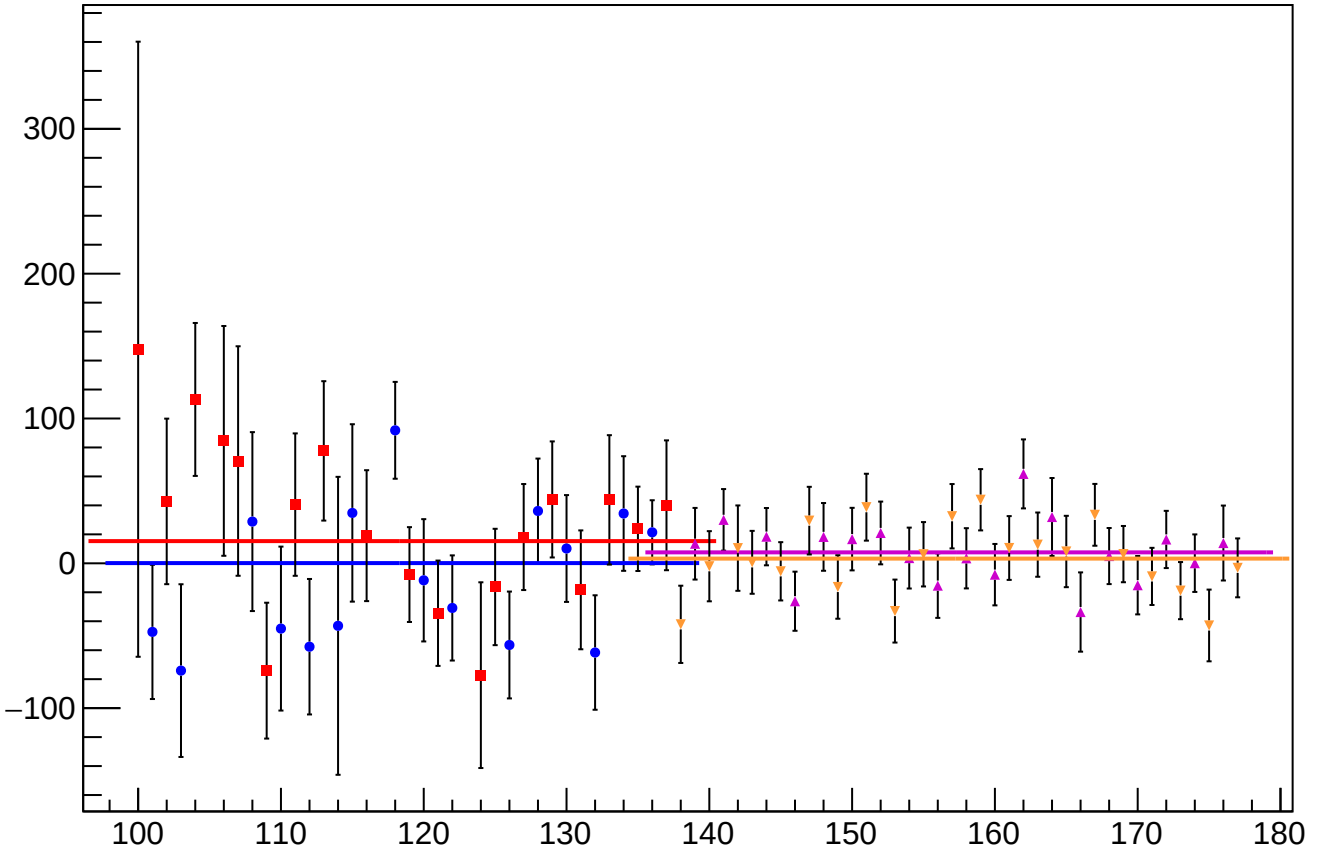
Left In: 0.000+/-0.000 χ^2/NDF:2060843.1/18

+ sign 0.000+/-0.000 χ^2/NDF: 7081372.1/36

All: 0.000+/-0.000 χ^2/NDF: 14654887.0/74

- sign 0.000+/-0.000 χ^2/NDF: 7443716.1/37

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.251+/-4.833 χ^2/NDF:23.4/20

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

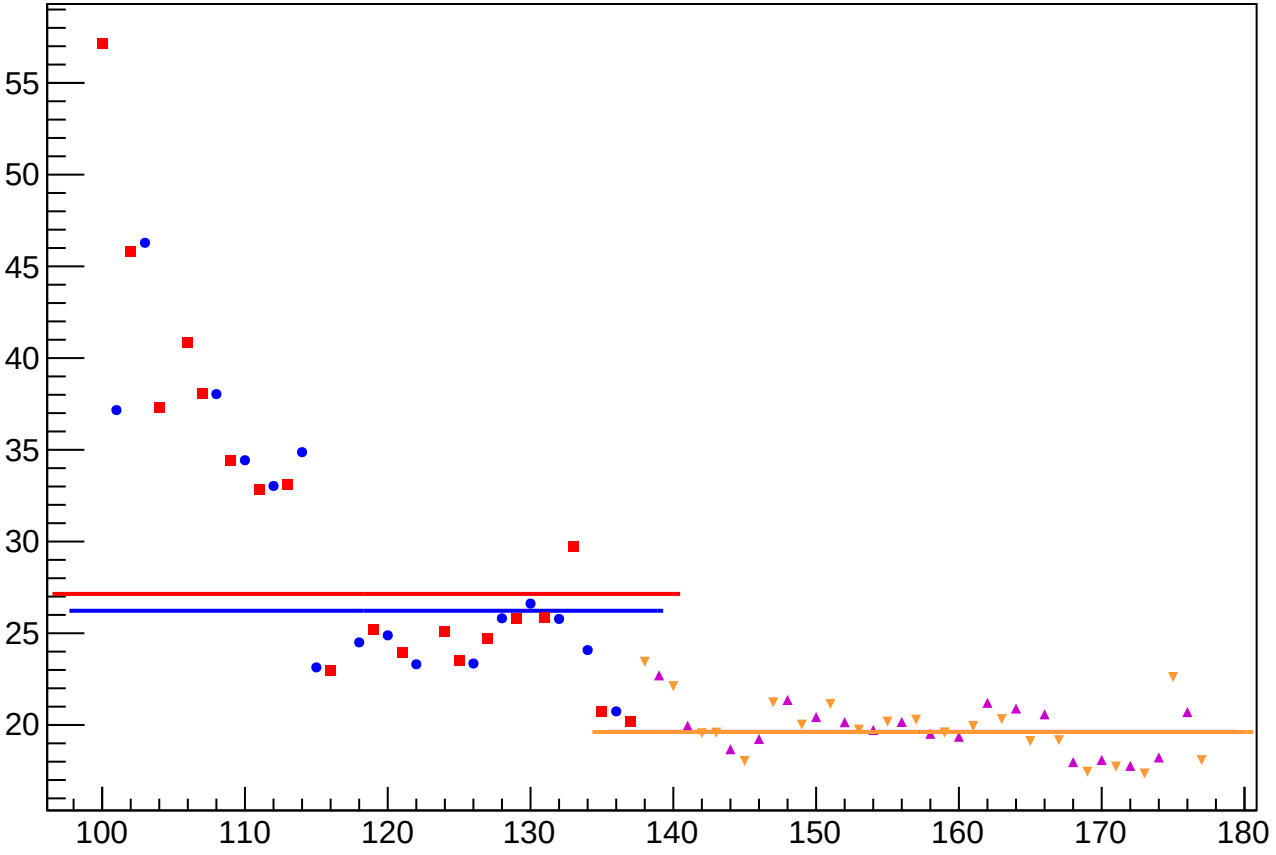
Left In: 7.560+/-5.005 χ^2/NDF:16.6/18

\+ sign 2.669+/-4.355 χ^2/NDF: 44.8/36

All: 5.757+/-3.129 χ^2/NDF: 80.9/74

\- sign 9.053+/-4.499 χ^2/NDF: 35.0/37

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.617+/-0.003 χ^2/NDF:211231.3/20

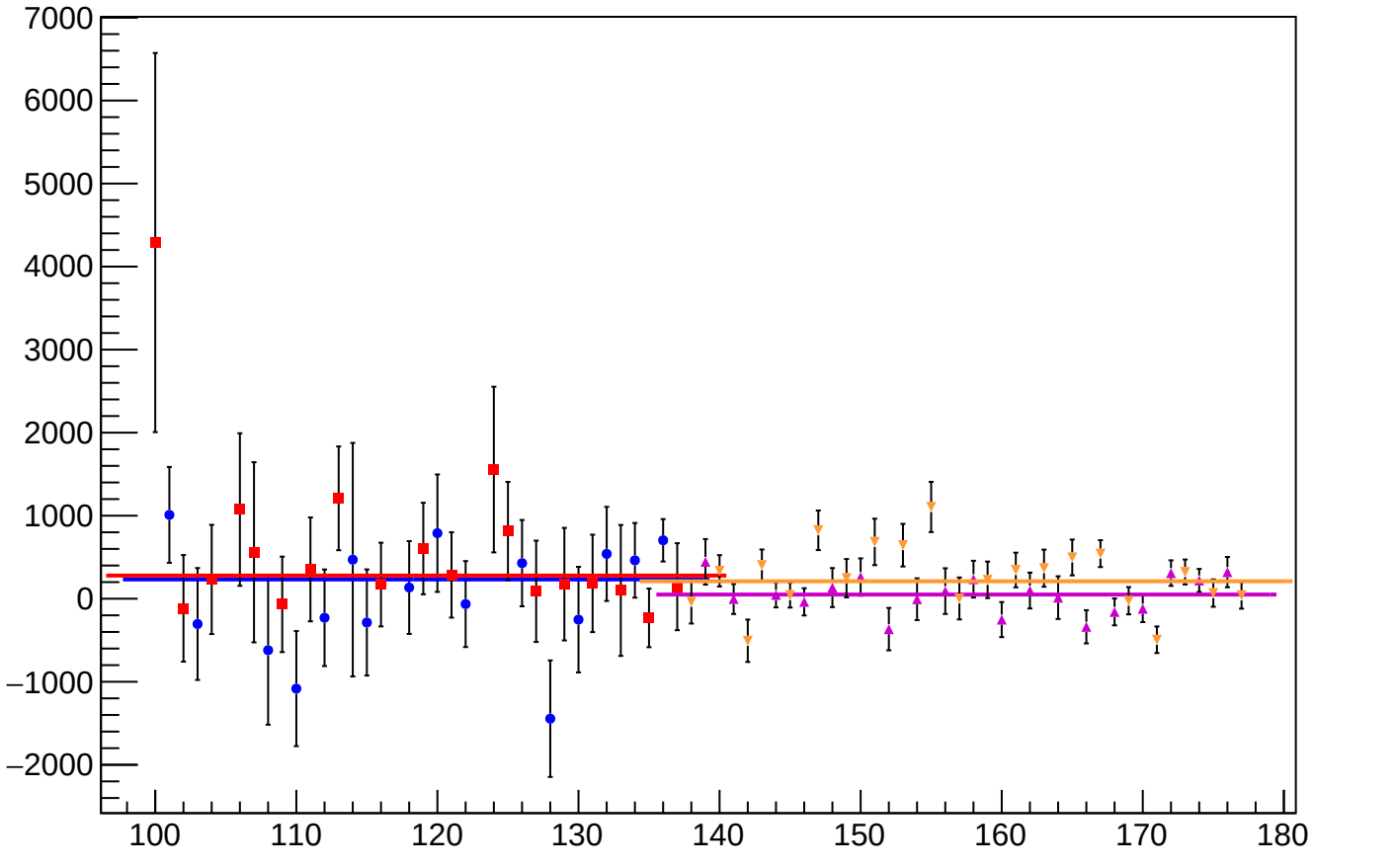
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

+ sign 20.859+/-0.003 χ^2/NDF: 1590166.1/36

All: 20.960+/-0.002 χ^2/NDF: 3341075.1/74

- sign 21.069+/-0.003 χ^2/NDF: 1748666.0/37



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 210.505+/-42.994 χ^2/NDF:64.1/20

Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

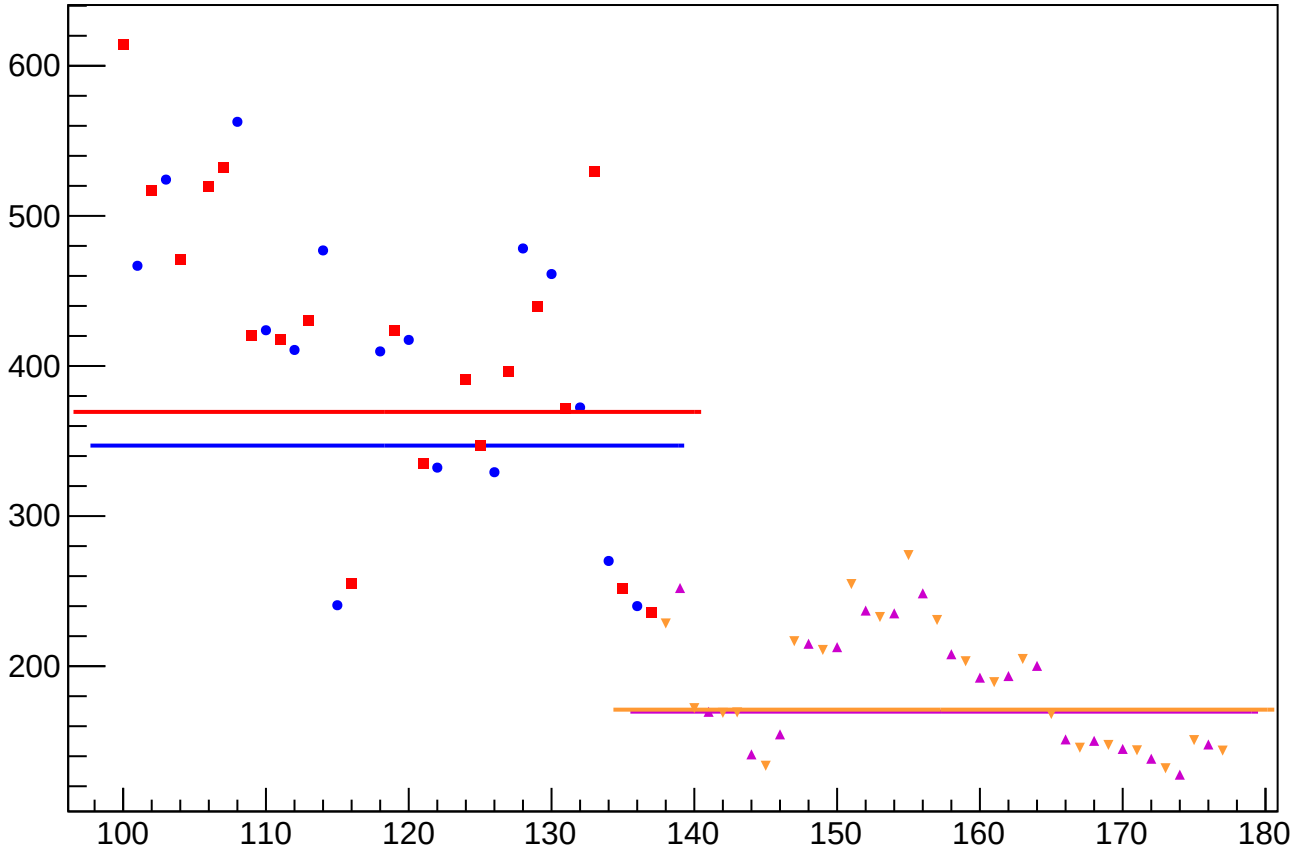
Left In: 50.523+/-44.183 χ^2/NDF:22.1/18

+ sign 212.496+/-40.963 χ^2/NDF: 83.8/36

All: 143.854+/-29.370 χ^2/NDF: 126.1/74

- sign 71.231+/-42.134 χ^2/NDF: 36.6/37

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 171.033+/-0.030 χ^2/NDF:1466611.3/20

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

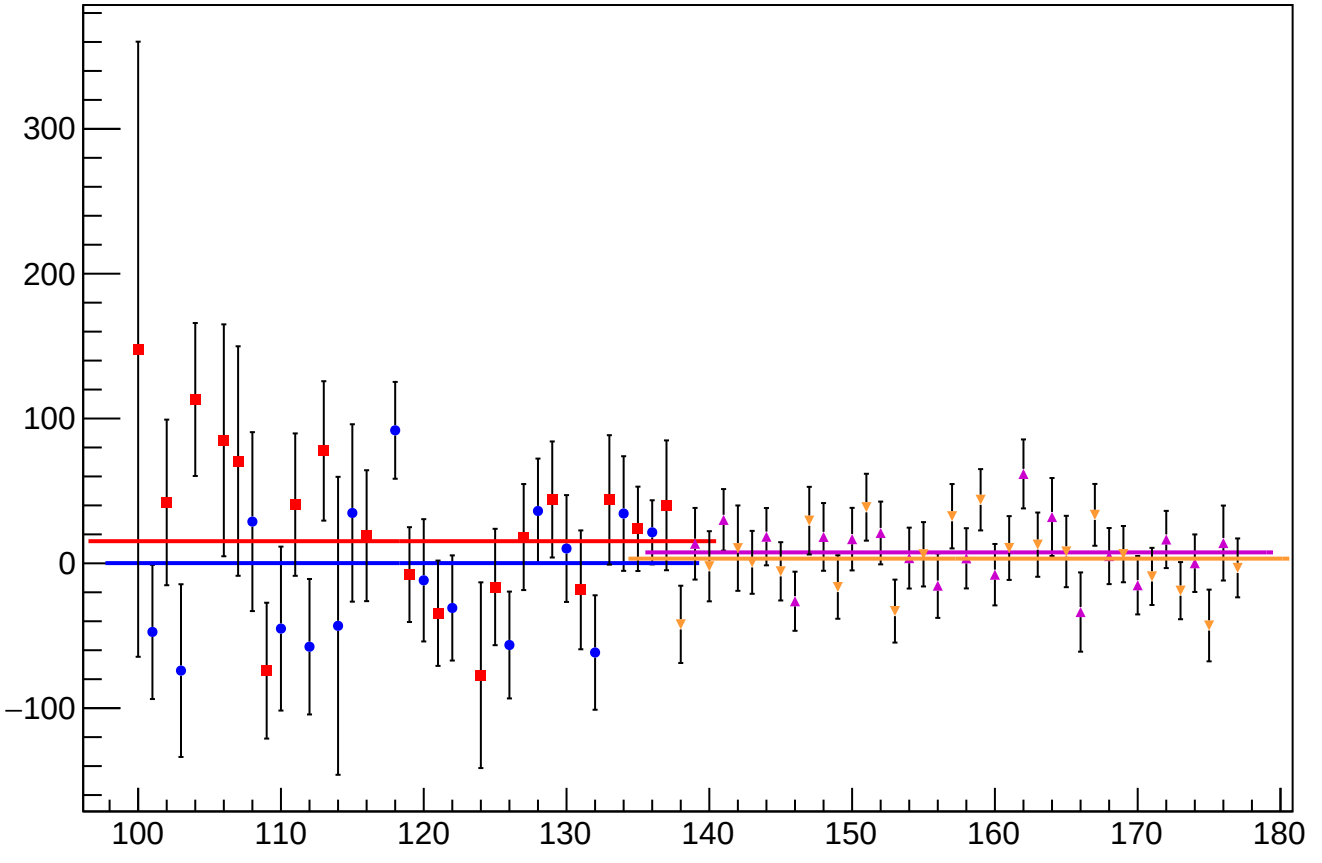
Left In: 169.704+/-0.031 χ^2/NDF:1377202.2/18

+ sign 187.262+/-0.029 χ^2/NDF: 5614042.0/36

All: 187.524+/-0.021 χ^2/NDF: 11612967.4/74

- sign 187.801+/-0.030 χ^2/NDF: 5998756.7/37

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.250+/-4.833 χ^2/NDF:23.4/20

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

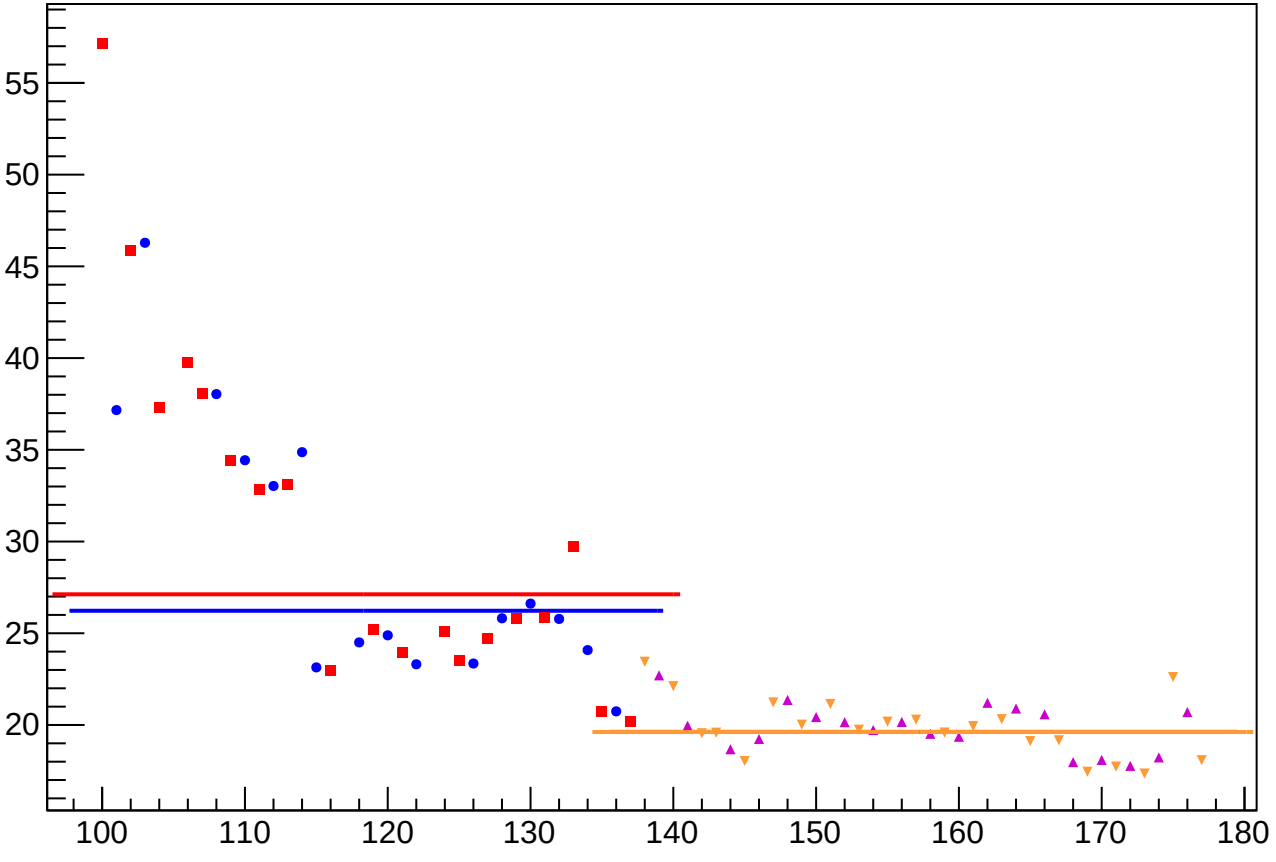
Left In: 7.560+/-5.005 χ^2/NDF:16.6/18

\+ sign 2.669+/-4.355 χ^2/NDF: 44.8/36

All: 5.753+/-3.129 χ^2/NDF: 80.9/74

\- sign 9.045+/-4.499 χ^2/NDF: 35.0/37

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.617+/-0.003 χ^2/NDF:211231.3/20

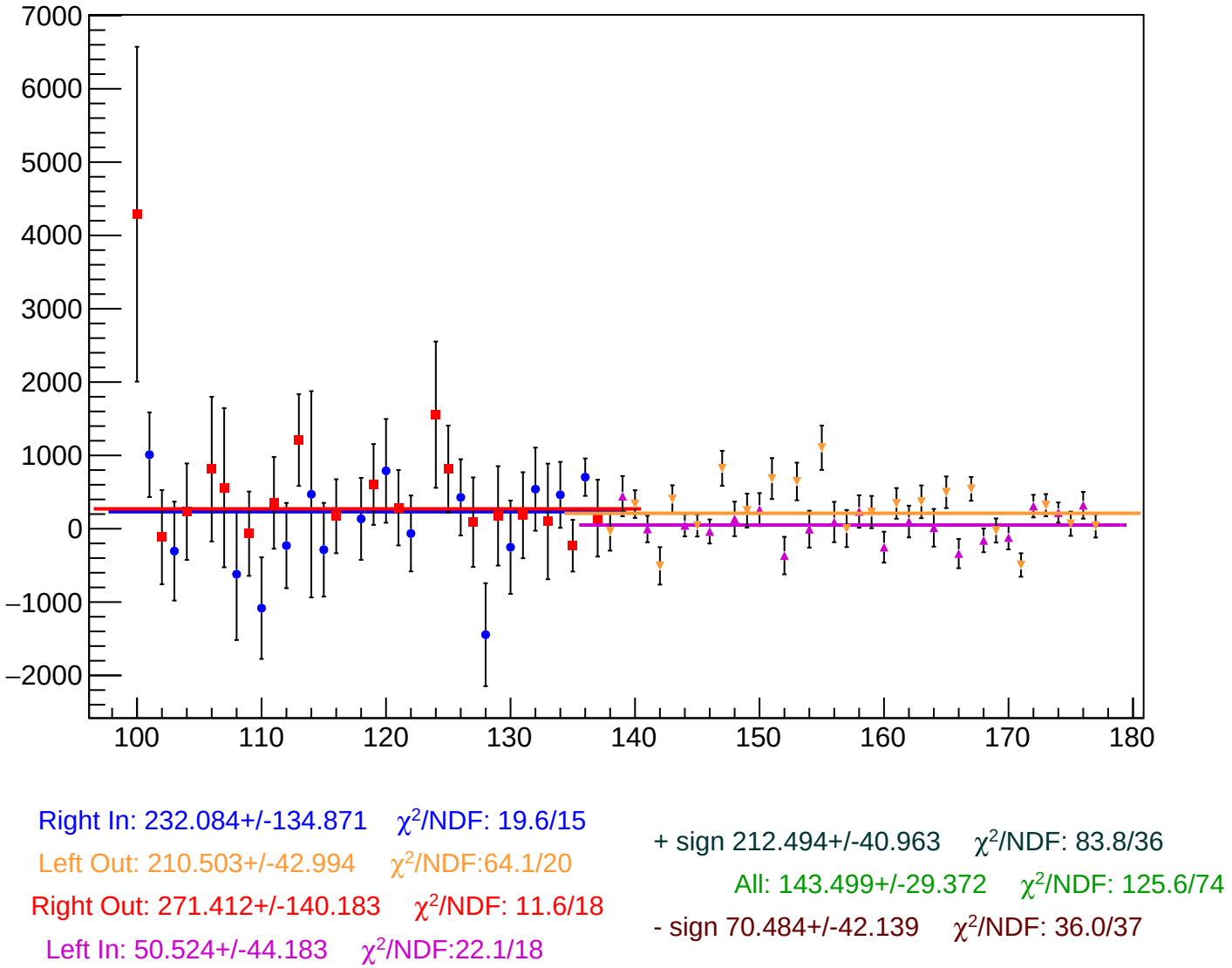
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

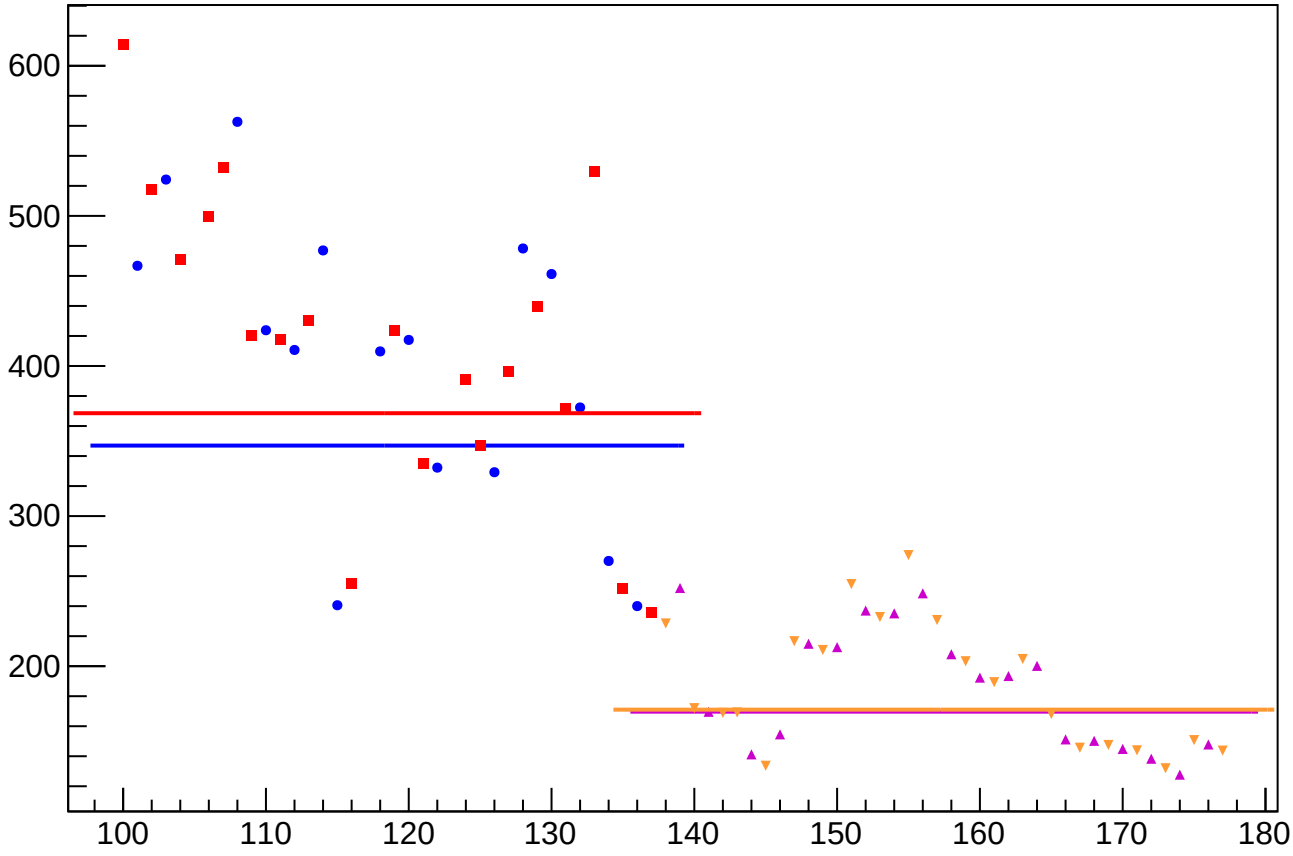
\+ sign 20.859+/-0.003 χ^2/NDF: 1590169.4/36

All: 20.958+/-0.002 χ^2/NDF: 3325959.6/74

\- sign 21.064+/-0.003 χ^2/NDF: 1733644.4/37


asym_sam_1357_2468_dd_cor_correction_mean vs Slug
7000
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 210.503+/-42.994 χ²/NDF:64.1/20
Right Out: 271.412+/-140.183 χ²/NDF: 11.6/18
Left In: 50.524+/-44.183 χ²/NDF:22.1/18
+ sign 212.494+/-40.963 χ²/NDF: 83.8/36
All: 143.499+/-29.372 χ²/NDF: 125.6/74
- sign 70.484+/-42.139 χ²/NDF: 36.0/37

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 171.033+/-0.030 χ^2/NDF:1466614.0/20

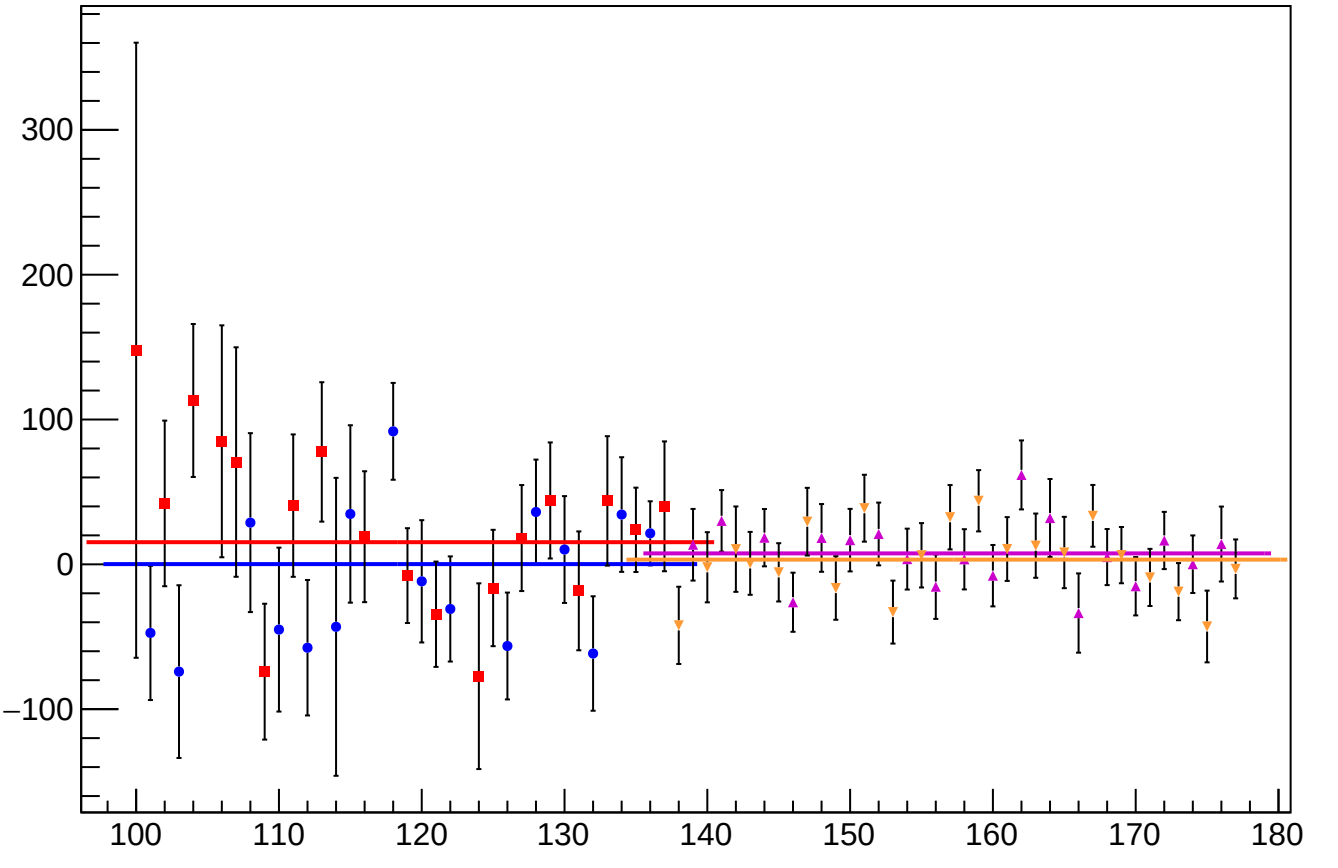
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 169.704+/-0.031 χ^2/NDF:1377199.2/18

+ sign 187.262+/-0.029 χ^2/NDF: 5614072.1/36

All: 187.461+/-0.021 χ^2/NDF: 11551852.0/74

- sign 187.672+/-0.030 χ^2/NDF: 5937682.4/37



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.250+/-4.833 χ^2/NDF:23.4/20

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

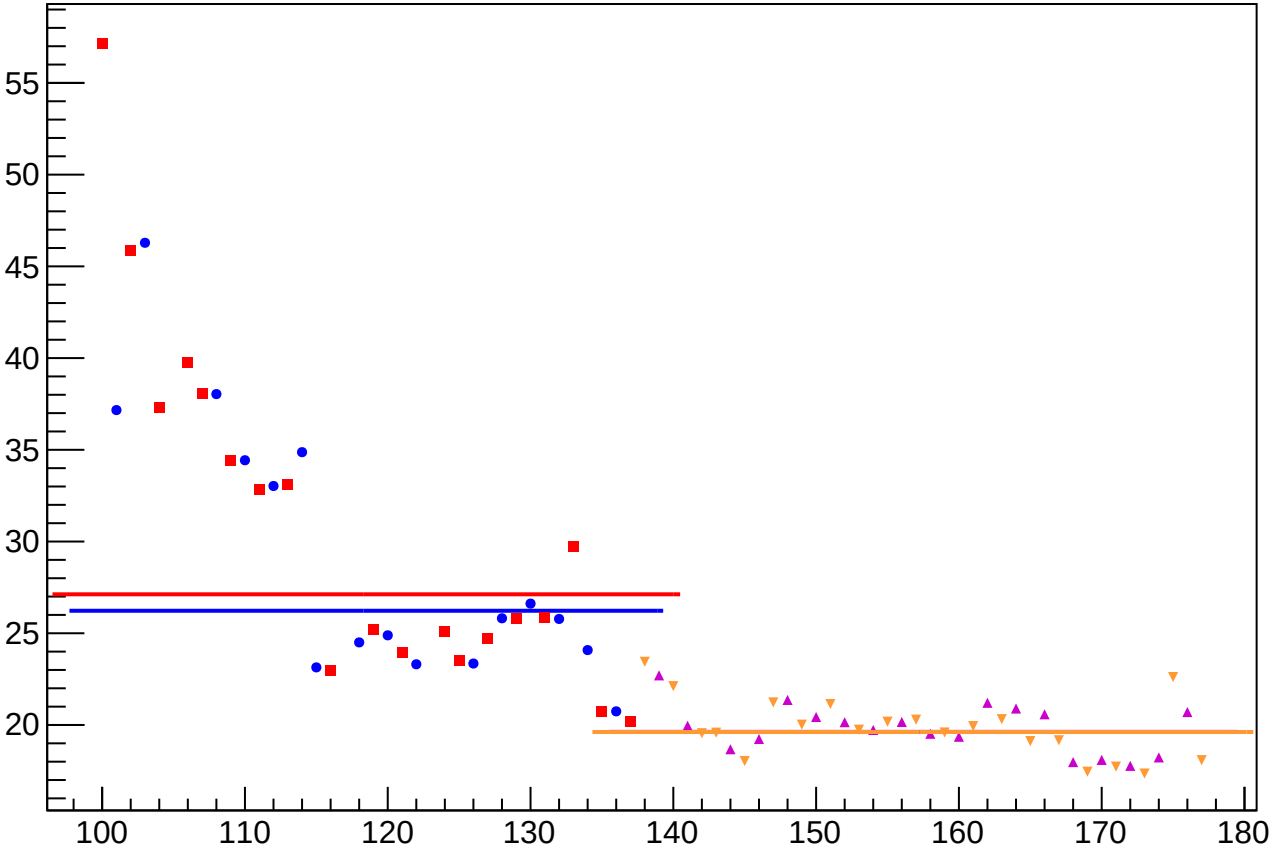
Left In: 7.560+/-5.005 χ^2/NDF:16.6/18

+ sign 2.669+/-4.355 χ^2/NDF: 44.8/36

All: 5.753+/-3.129 χ^2/NDF: 80.9/74

- sign 9.045+/-4.499 χ^2/NDF: 35.0/37

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.617+/-0.003 χ^2/NDF:211231.3/20

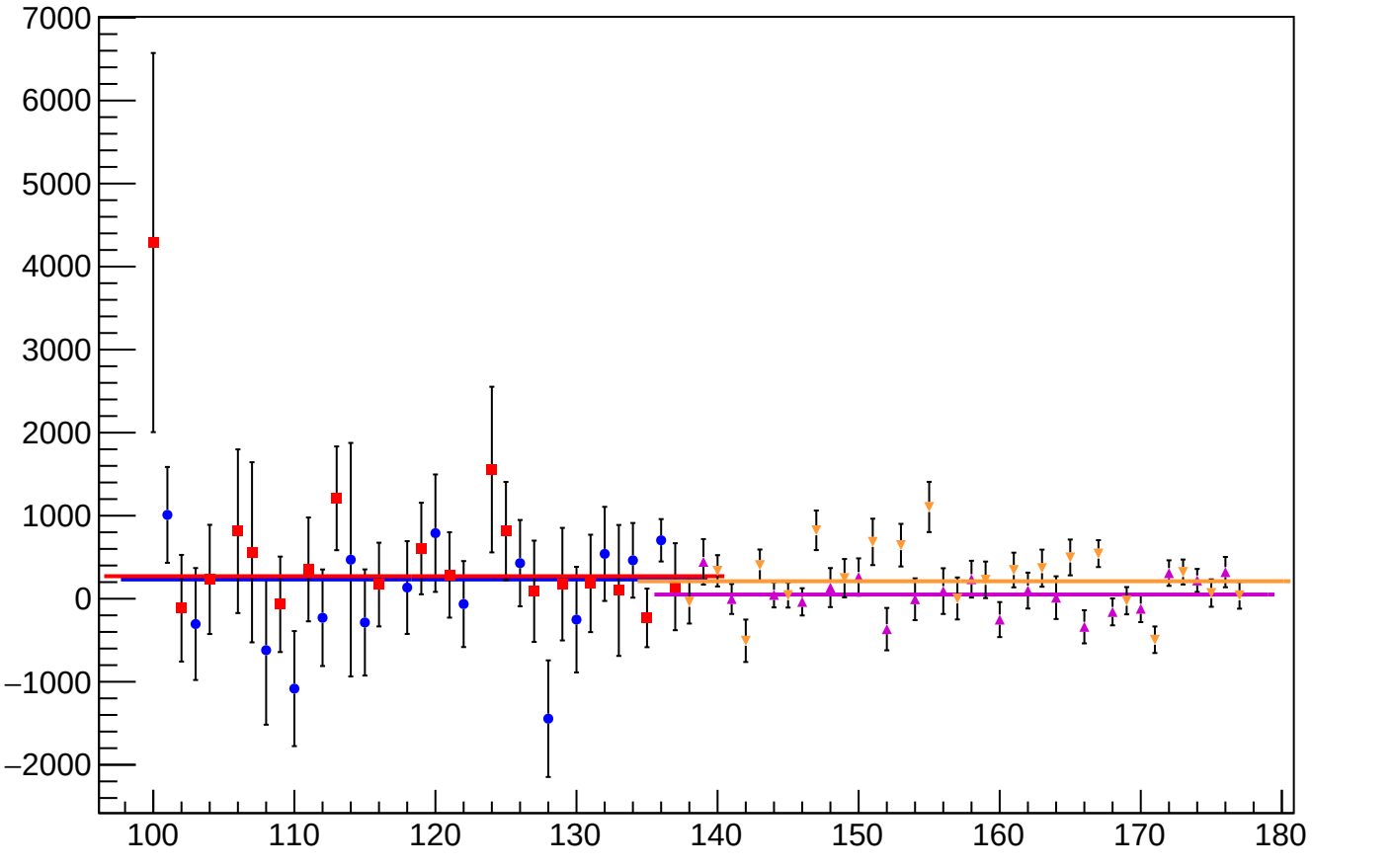
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

+ sign 20.859+/-0.003 χ^2/NDF: 1590169.4/36

All: 20.958+/-0.002 χ^2/NDF: 3325959.6/74

- sign 21.064+/-0.003 χ^2/NDF: 1733644.4/37



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 210.503+/-42.994 χ^2/NDF:64.1/20

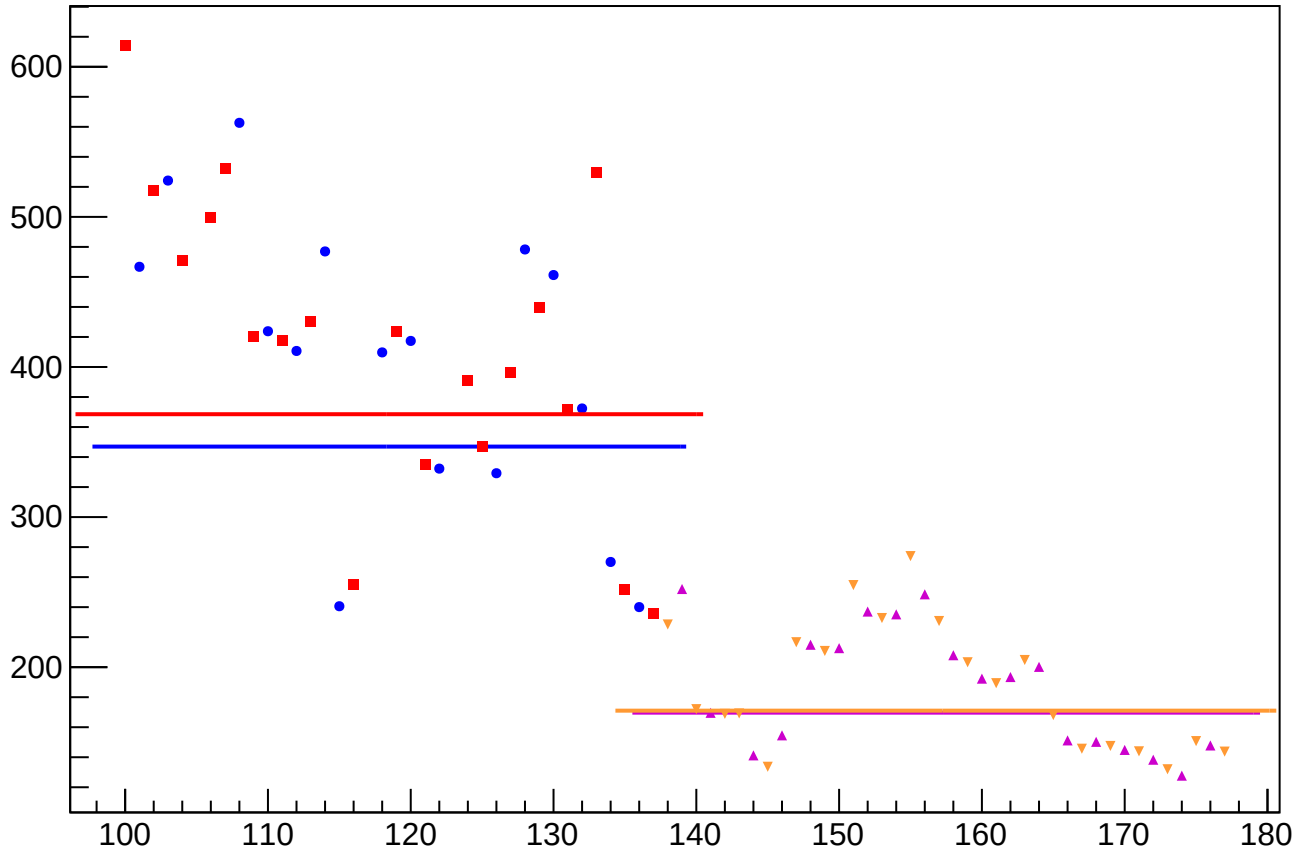
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 50.524+/-44.183 χ^2/NDF:22.1/18

+ sign 212.494+/-40.963 χ^2/NDF: 83.8/36

All: 143.499+/-29.372 χ^2/NDF: 125.6/74

- sign 70.484+/-42.139 χ^2/NDF: 36.0/37



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 171.033+/-0.030 χ^2/NDF:1466614.0/20

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

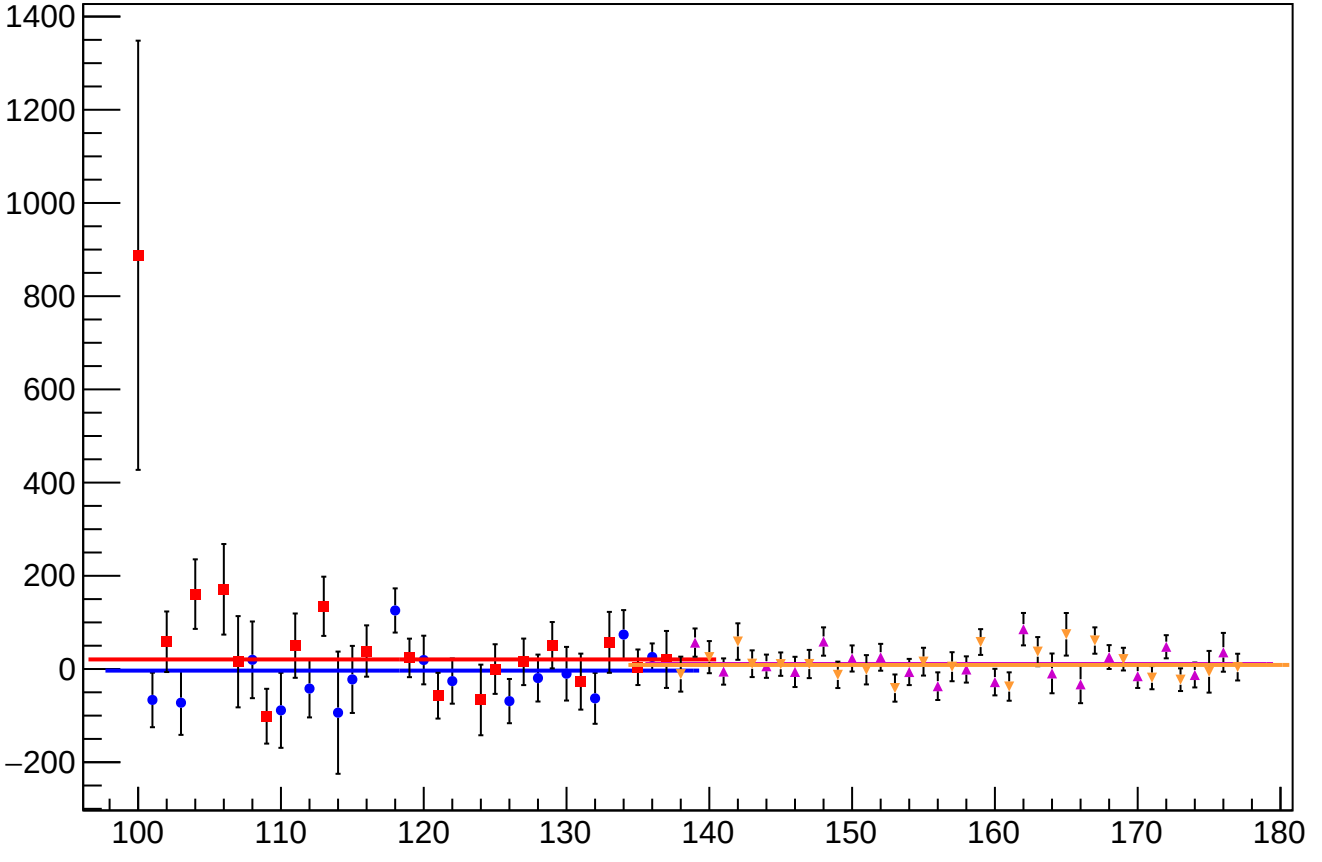
Left In: 169.704+/-0.031 χ^2/NDF:1377199.2/18

\+ sign 187.262+/-0.029 χ^2/NDF: 5614072.1/36

All: 187.461+/-0.021 χ^2/NDF: 11551852.0/74

\- sign 187.672+/-0.030 χ^2/NDF: 5937682.4/37

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.750+/-6.519 χ^2/NDF:20.9/20

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

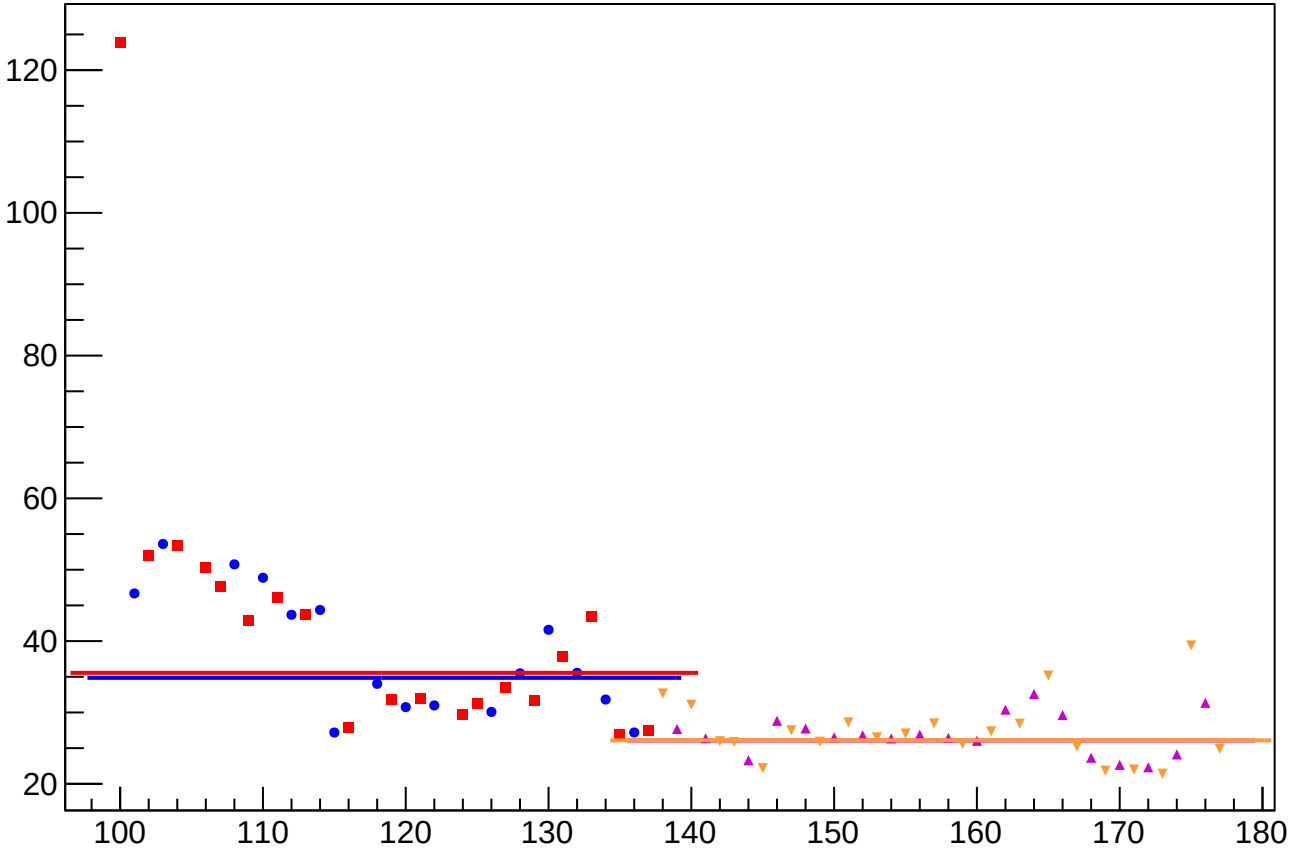
Left In: 10.751+/-6.739 χ^2/NDF:21.6/18

+ sign 6.418+/-5.861 χ^2/NDF: 40.1/36

All: 9.479+/-4.202 χ^2/NDF: 85.8/74

- sign 12.715+/-6.027 χ^2/NDF: 45.2/37

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.097+/-0.005 χ^2/NDF:647840.2/20

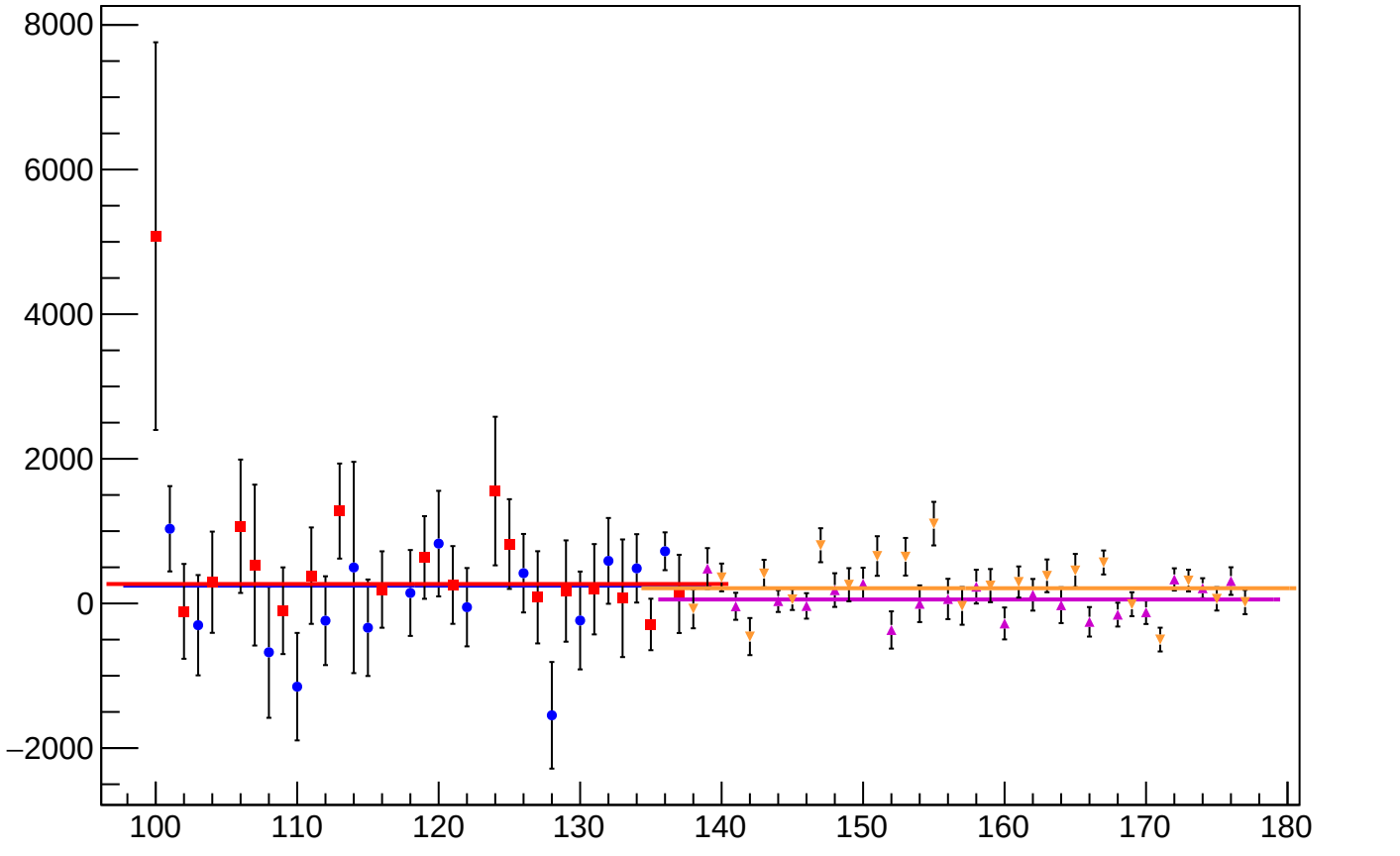
Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.067+/-0.005 χ^2/NDF:290814.1/18

+ sign 27.773+/-0.004 χ^2/NDF: 1996810.6/36

All: 27.866+/-0.003 χ^2/NDF: 3861376.7/74

- sign 27.965+/-0.004 χ^2/NDF: 1863525.7/37



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 210.631+/-43.495 χ^2/NDF:61.9/20

Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

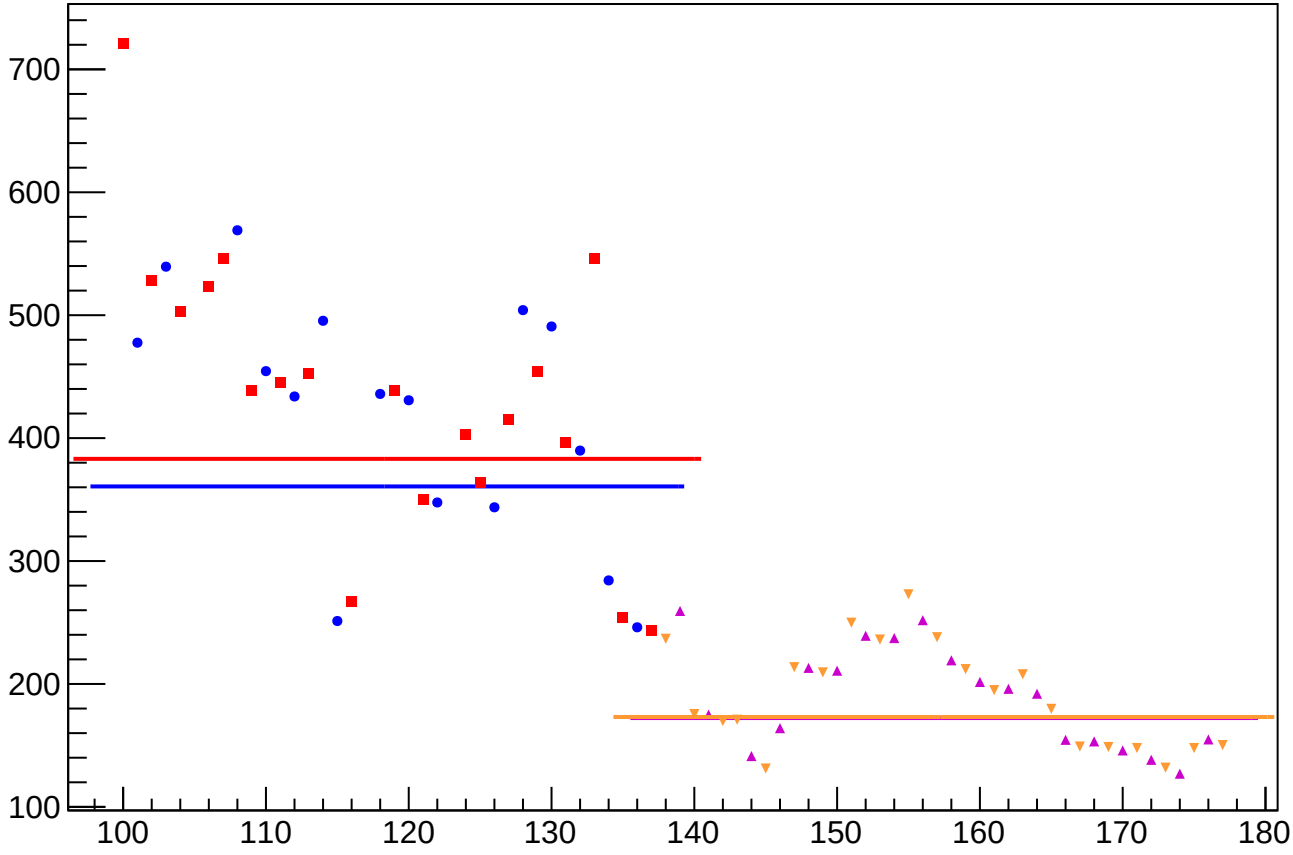
Left In: 55.011+/-44.889 χ^2/NDF:21.2/18

+ sign 213.778+/-41.543 χ^2/NDF: 81.7/36

All: 145.946+/-29.840 χ^2/NDF: 123.1/74

- sign 73.649+/-42.889 χ^2/NDF: 35.8/37

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 173.125+/-0.031 χ^2/NDF:1499747.6/20

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

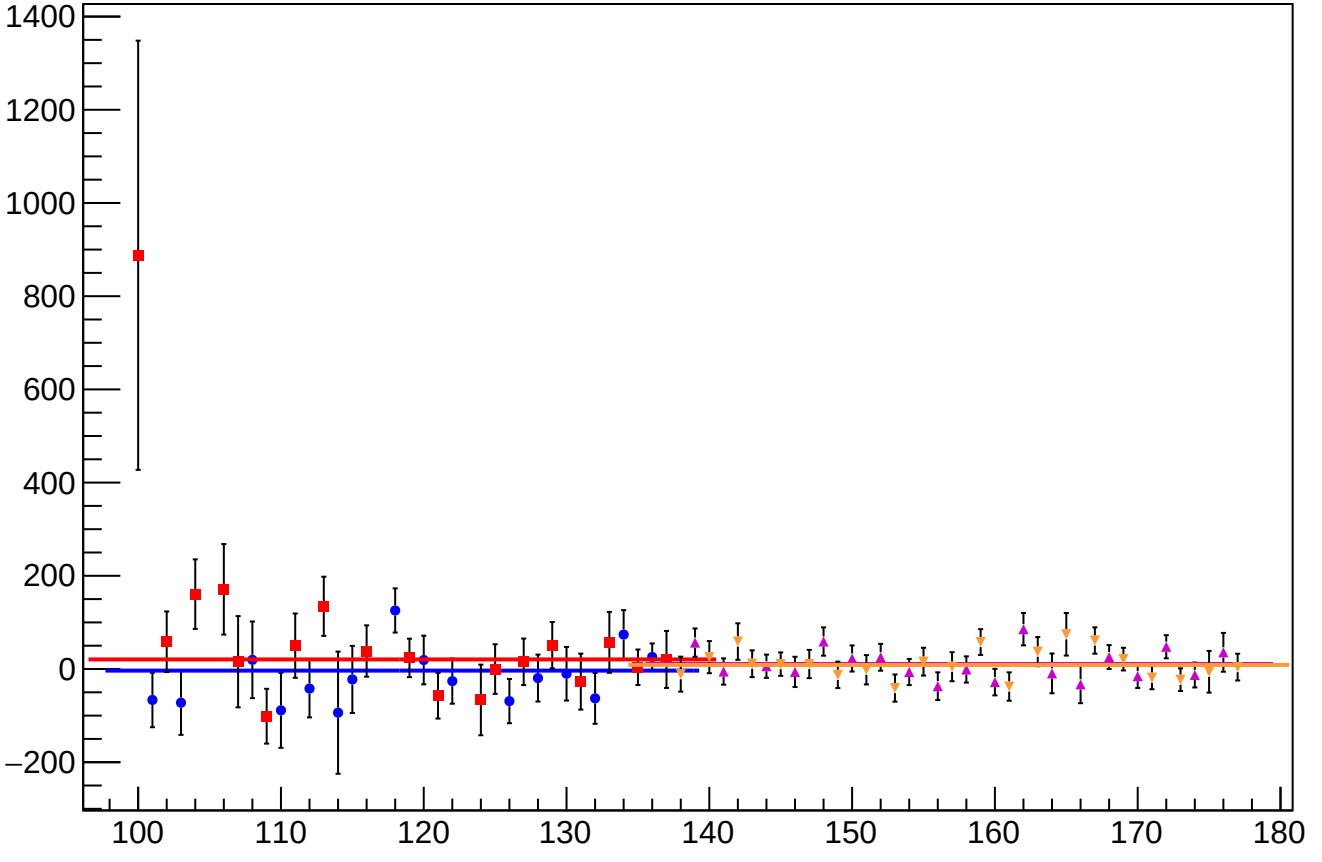
Left In: 172.271+/-0.032 χ^2/NDF:1406333.1/18

+ sign 189.576+/-0.029 χ^2/NDF: 5854772.8/36

All: 190.093+/-0.021 χ^2/NDF: 12070120.7/74

- sign 190.644+/-0.030 χ^2/NDF: 6214708.2/37

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.750+/-6.519 χ^2/NDF:20.9/20

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

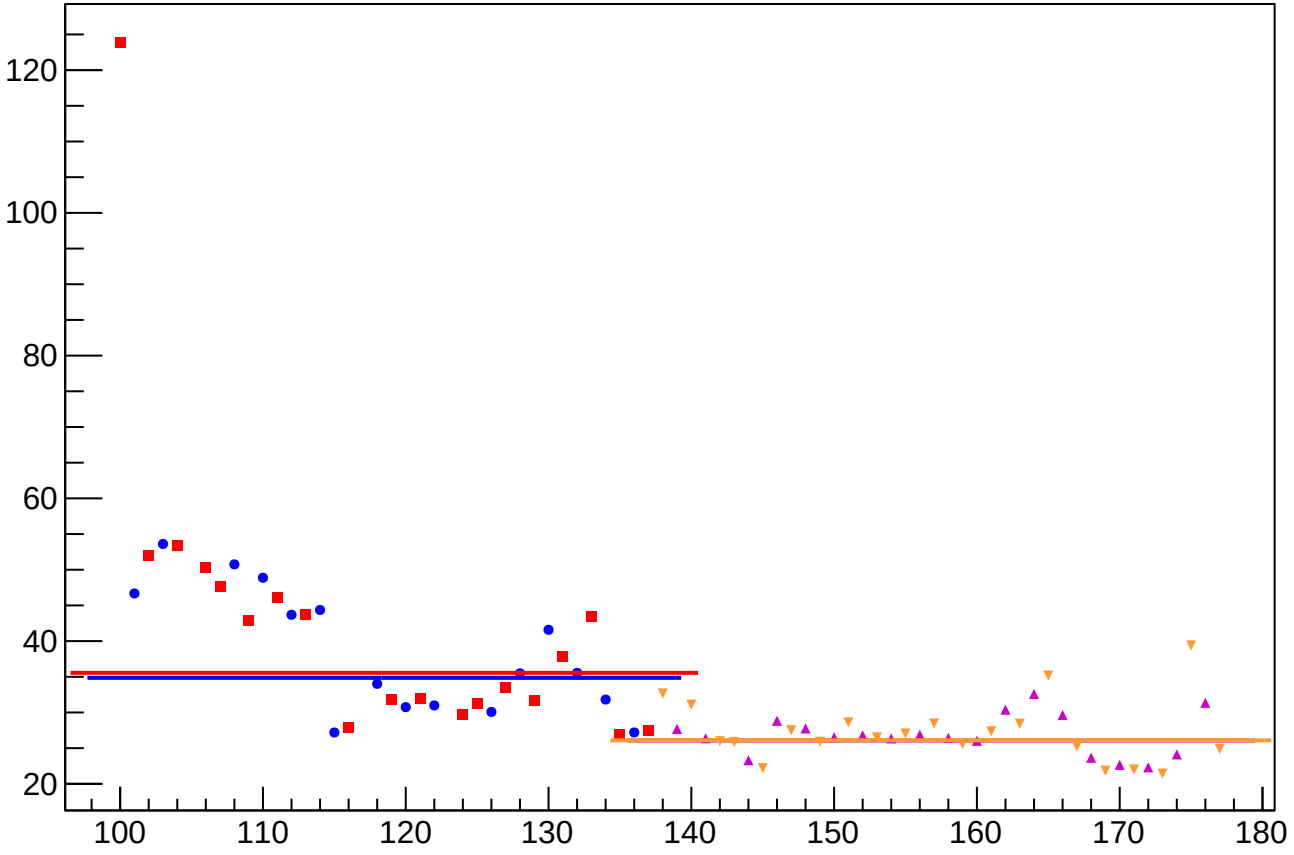
Left In: 10.751+/-6.739 χ^2/NDF:21.6/18

+ sign 6.418+/-5.861 χ^2/NDF: 40.1/36

All: 9.479+/-4.202 χ^2/NDF: 85.8/74

- sign 12.715+/-6.027 χ^2/NDF: 45.2/37

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.097+/-0.005 χ^2/NDF:647833.7/20

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

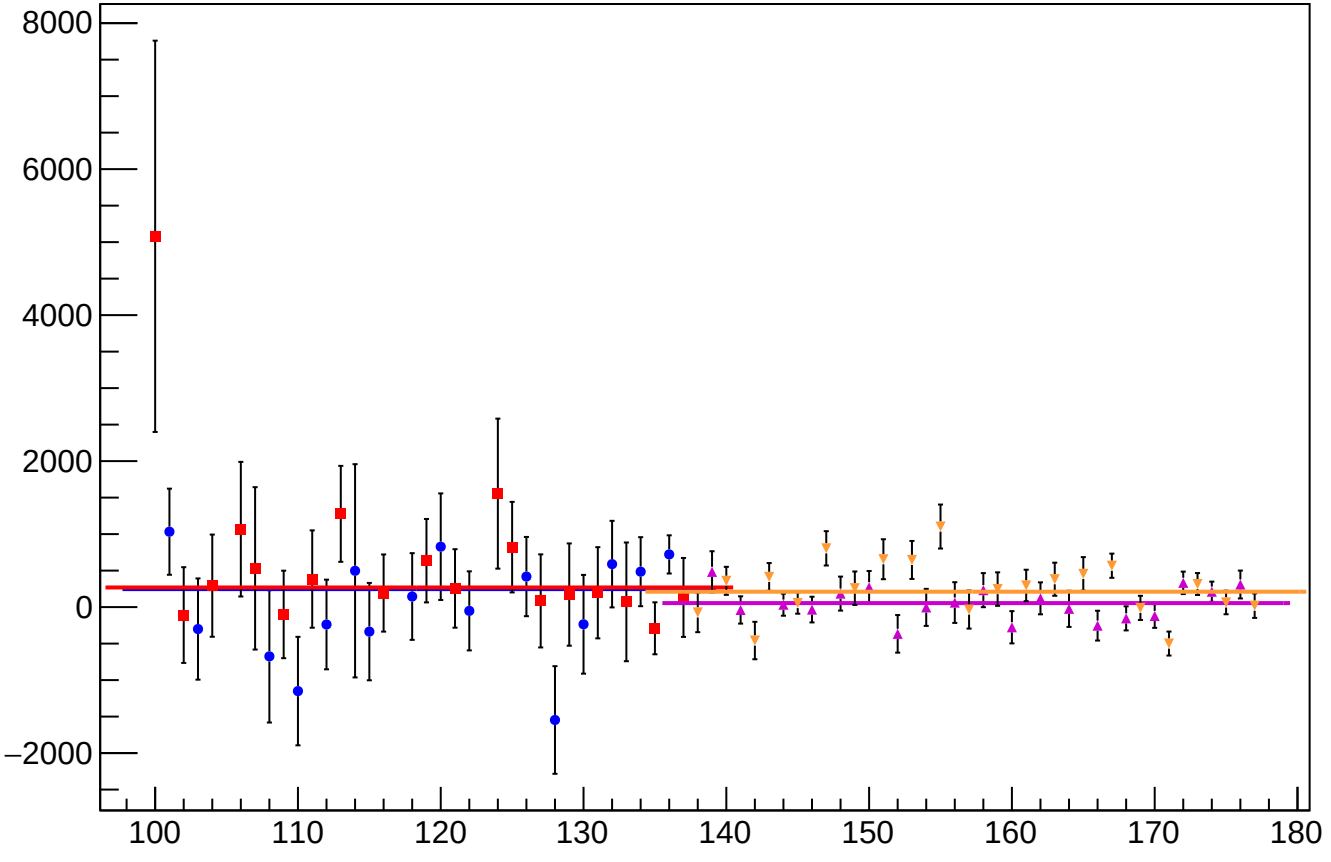
Left In: 26.067+/-0.005 χ^2/NDF:290812.9/18

+ sign 27.773+/-0.004 χ^2/NDF: 1996677.3/36

All: 27.866+/-0.003 χ^2/NDF: 3861148.3/74

- sign 27.965+/-0.004 χ^2/NDF: 1863430.7/37

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 210.630+/-43.494 χ^2/NDF:61.9/20

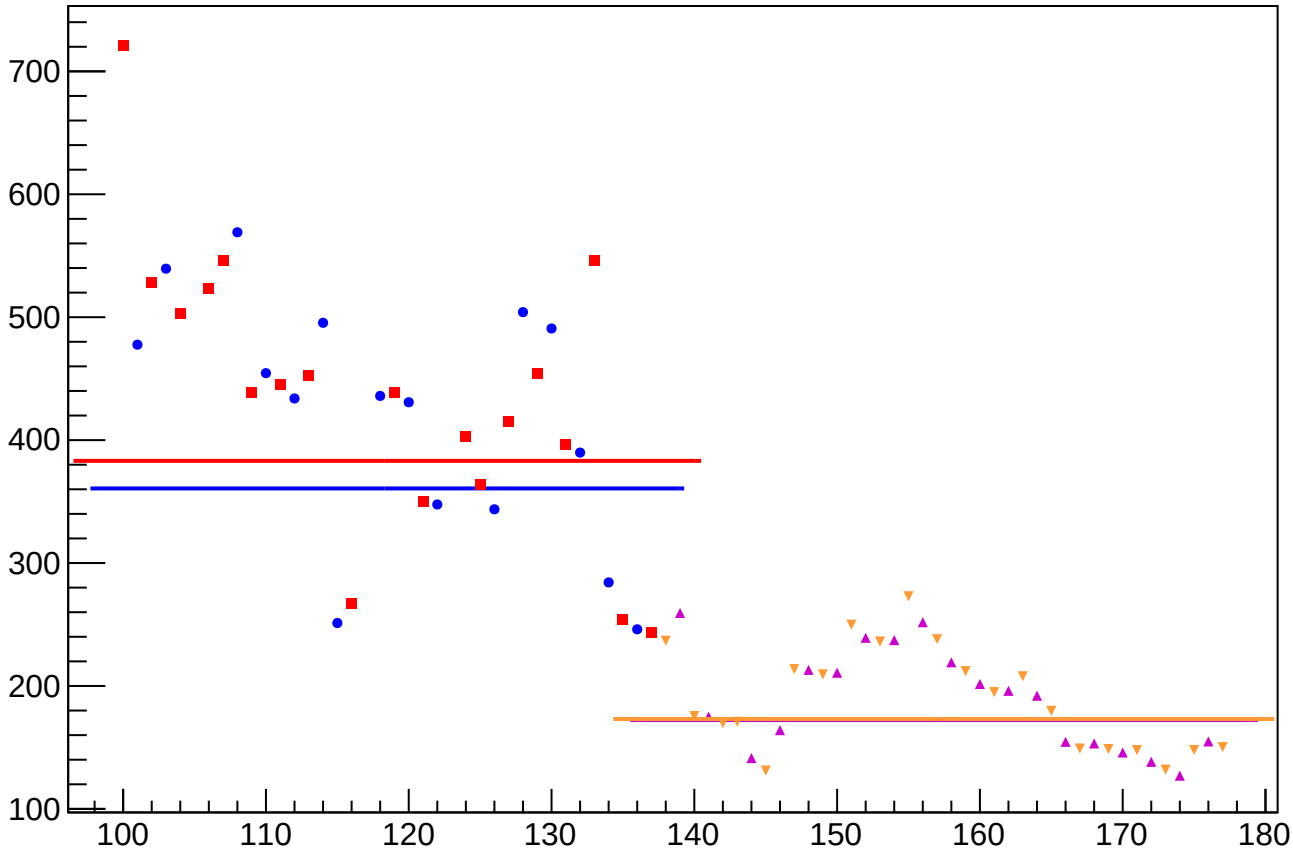
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 55.010+/-44.889 χ^2/NDF:21.2/18

+ sign 213.777+/-41.543 χ^2/NDF: 81.7/36

All: 145.945+/-29.840 χ^2/NDF: 123.1/74

- sign 73.648+/-42.889 χ^2/NDF: 35.8/37



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 173.124+/-0.031 χ^2/NDF:1499763.9/20

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

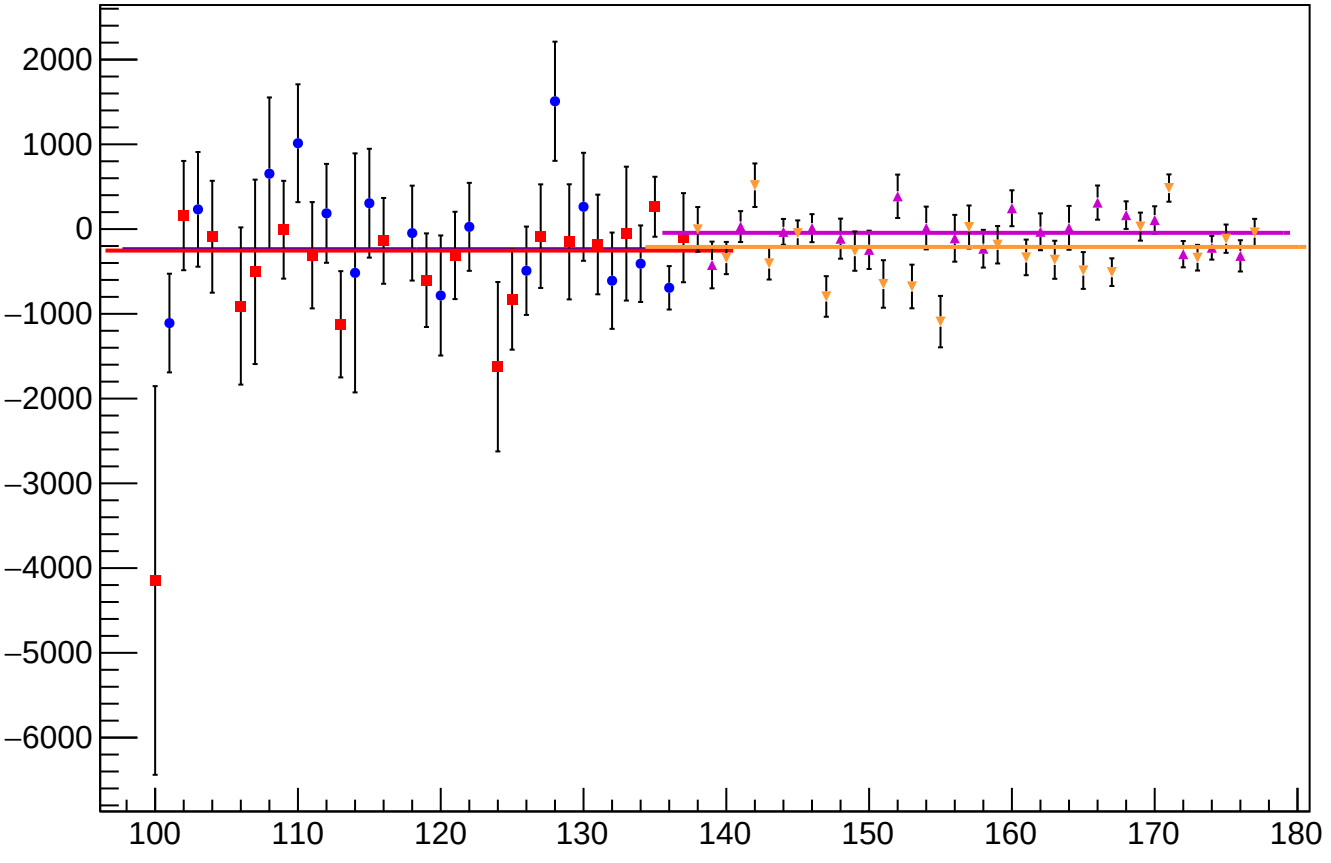
Left In: 172.271+/-0.032 χ^2/NDF:1406347.1/18

+ sign 189.576+/-0.029 χ^2/NDF: 5854783.3/36

All: 190.093+/-0.021 χ^2/NDF: 12070146.5/74

- sign 190.644+/-0.030 χ^2/NDF: 6214723.6/37

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -210.626+/-43.302 χ^2/NDF:60.9/20

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

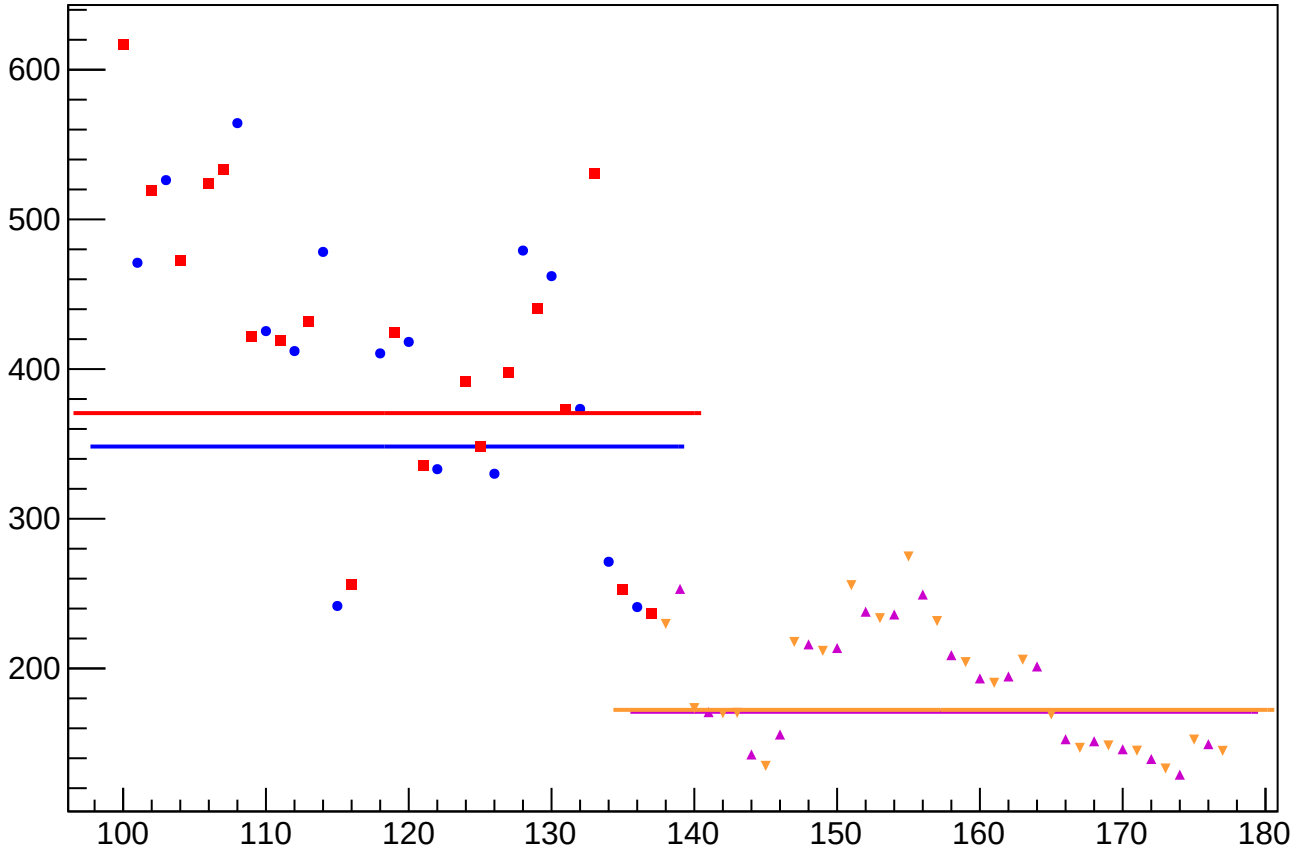
Left In: -44.193+/-44.508 χ^2/NDF:20.6/18

+ sign -213.172+/-41.243 χ^2/NDF: 80.9/36

All: -140.356+/-29.573 χ^2/NDF: 121.6/74

- sign -63.298+/-42.428 χ^2/NDF: 34.3/37

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 172.335+/-0.031 χ^2/NDF:1441827.6/20

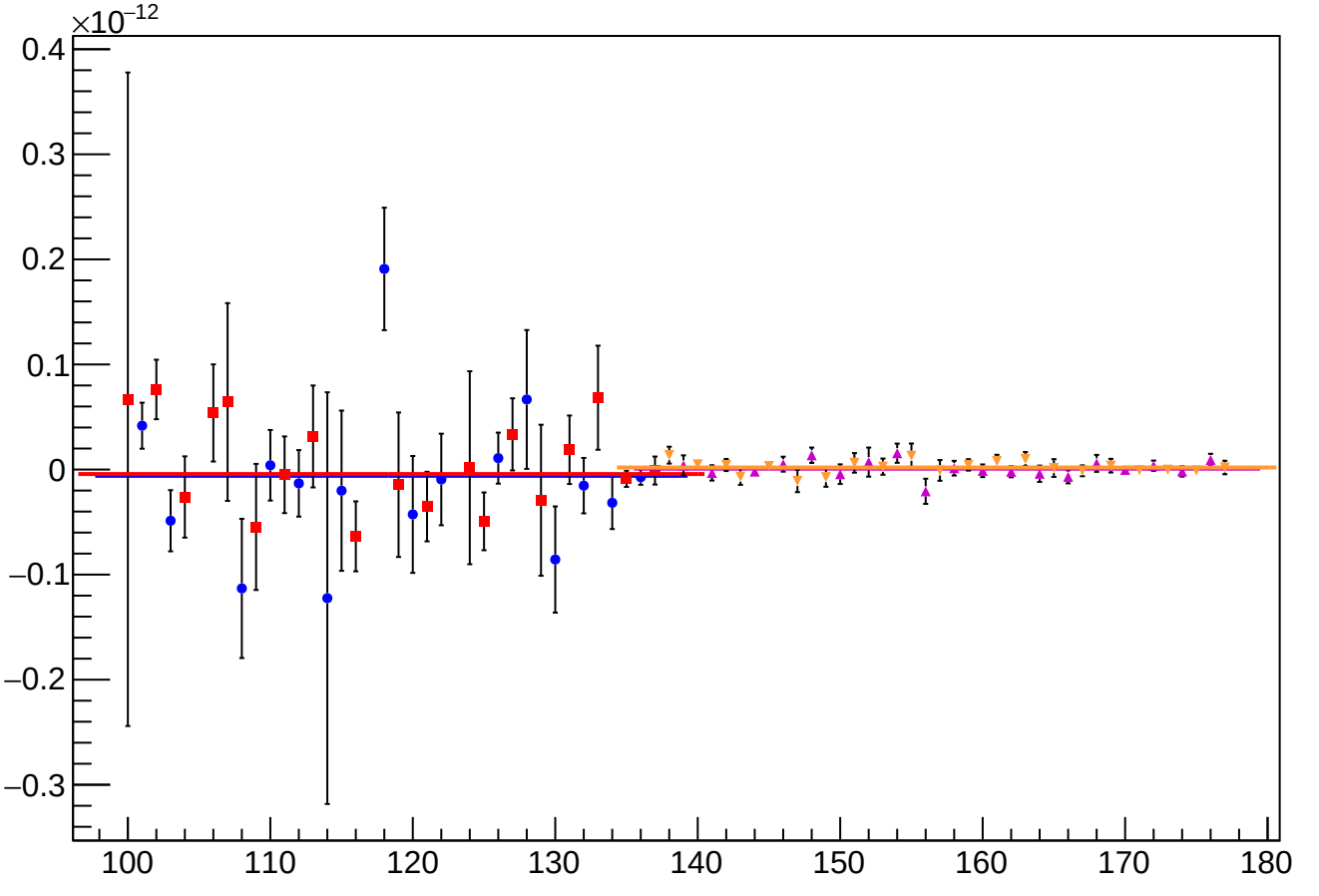
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 171.033+/-0.031 χ^2/NDF:1351406.9/18

+ sign 188.670+/-0.029 χ^2/NDF: 5563537.5/36

All: 188.953+/-0.021 χ^2/NDF: 11503697.2/74

- sign 189.253+/-0.030 χ^2/NDF: 5939965.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/20

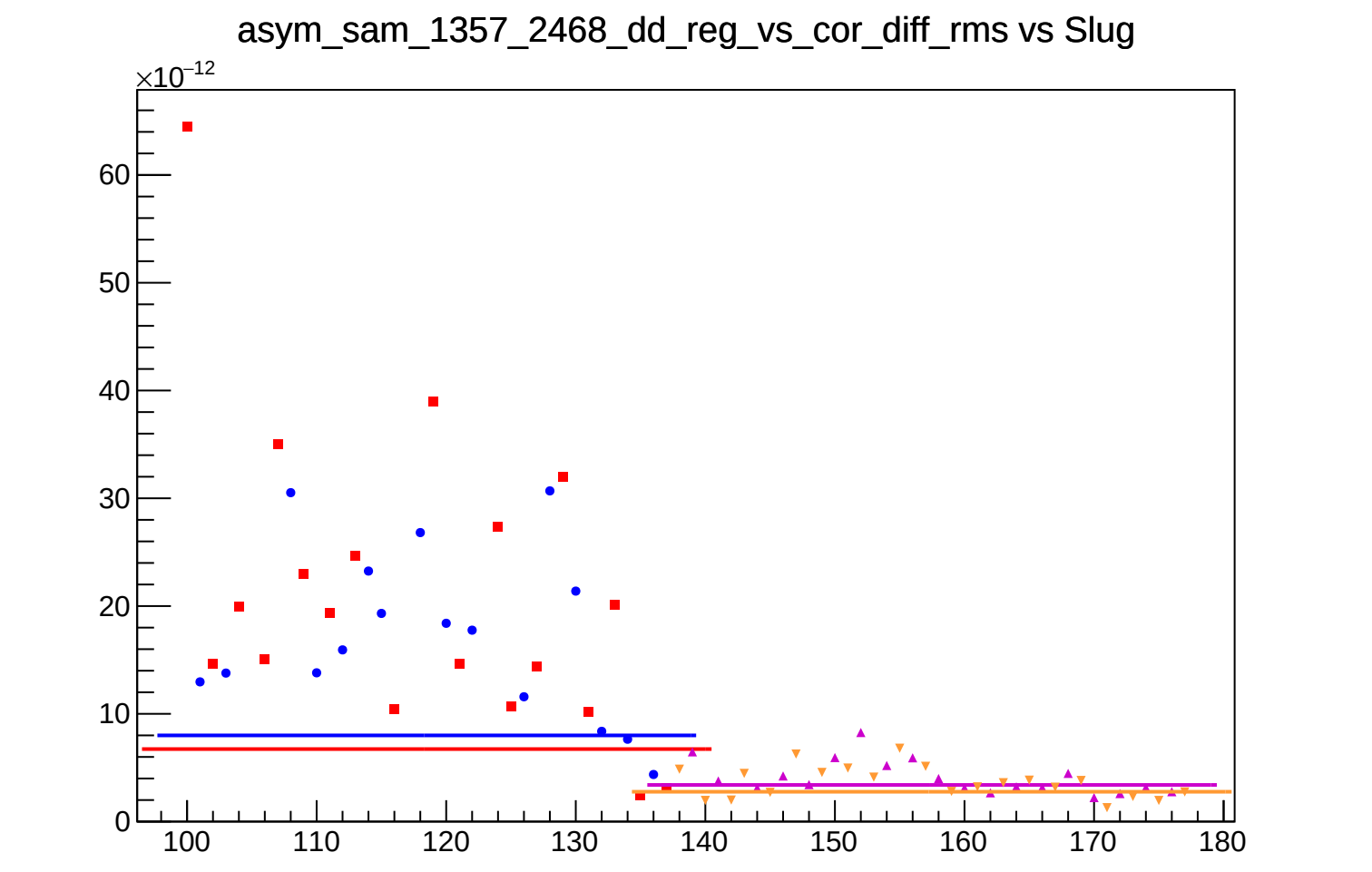
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 41.8/36

All: 0.000+/-0.000 χ^2/NDF: 81.8/74

- sign 0.000+/-0.000 χ^2/NDF: 39.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1820307.8/20

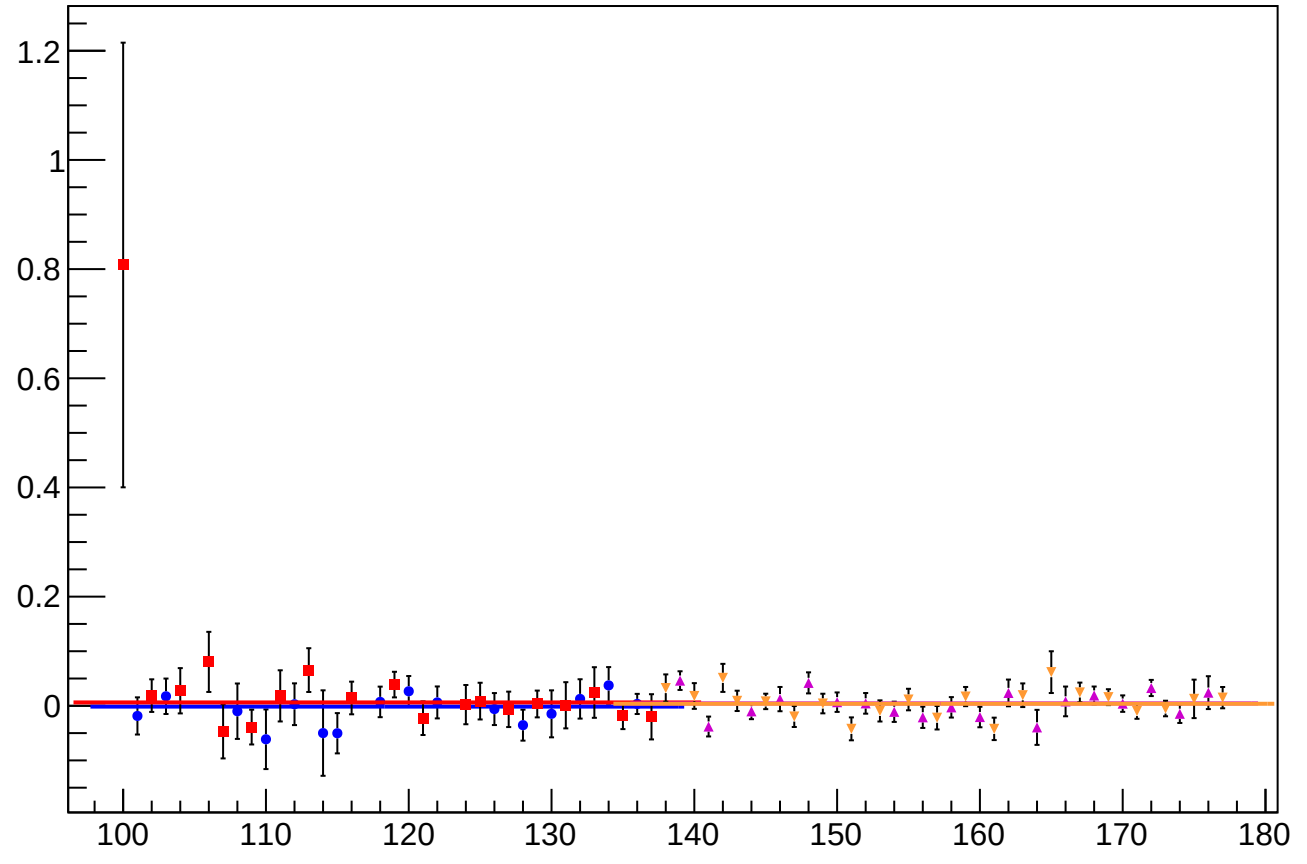
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1133039.2/18

+ sign 0.000+/-0.000 χ^2/NDF: 5383630.4/36

All: 0.000+/-0.000 χ^2/NDF: 10784019.0/74

- sign 0.000+/-0.000 χ^2/NDF: 5182470.0/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

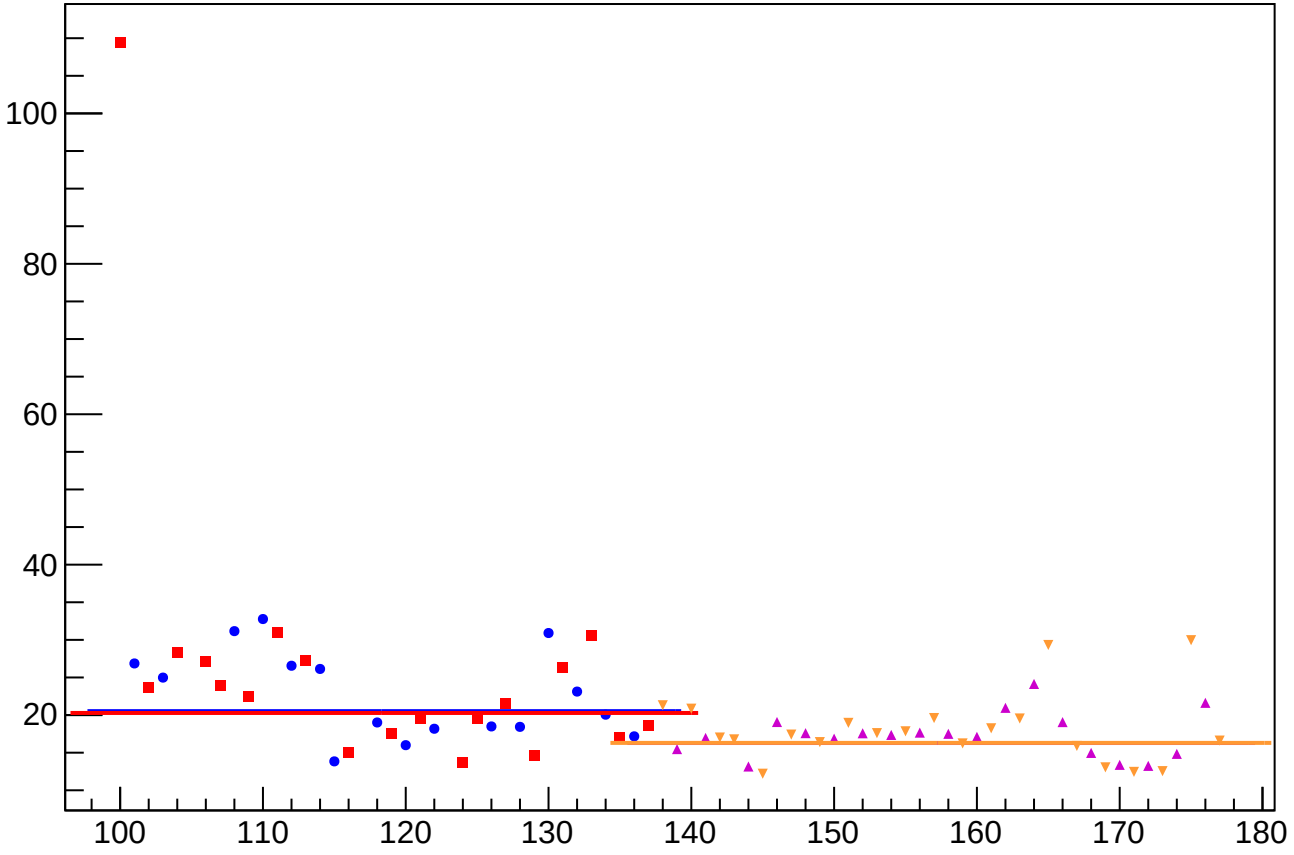
Left In: 0.004+/-0.004 χ^2/NDF:29.2/18

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/36

All: 0.004+/-0.003 χ^2/NDF: 79.9/74

- sign 0.005+/-0.004 χ^2/NDF: 45.5/37

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: 16.302+/-0.003 χ^2/NDF:1413652.1/20

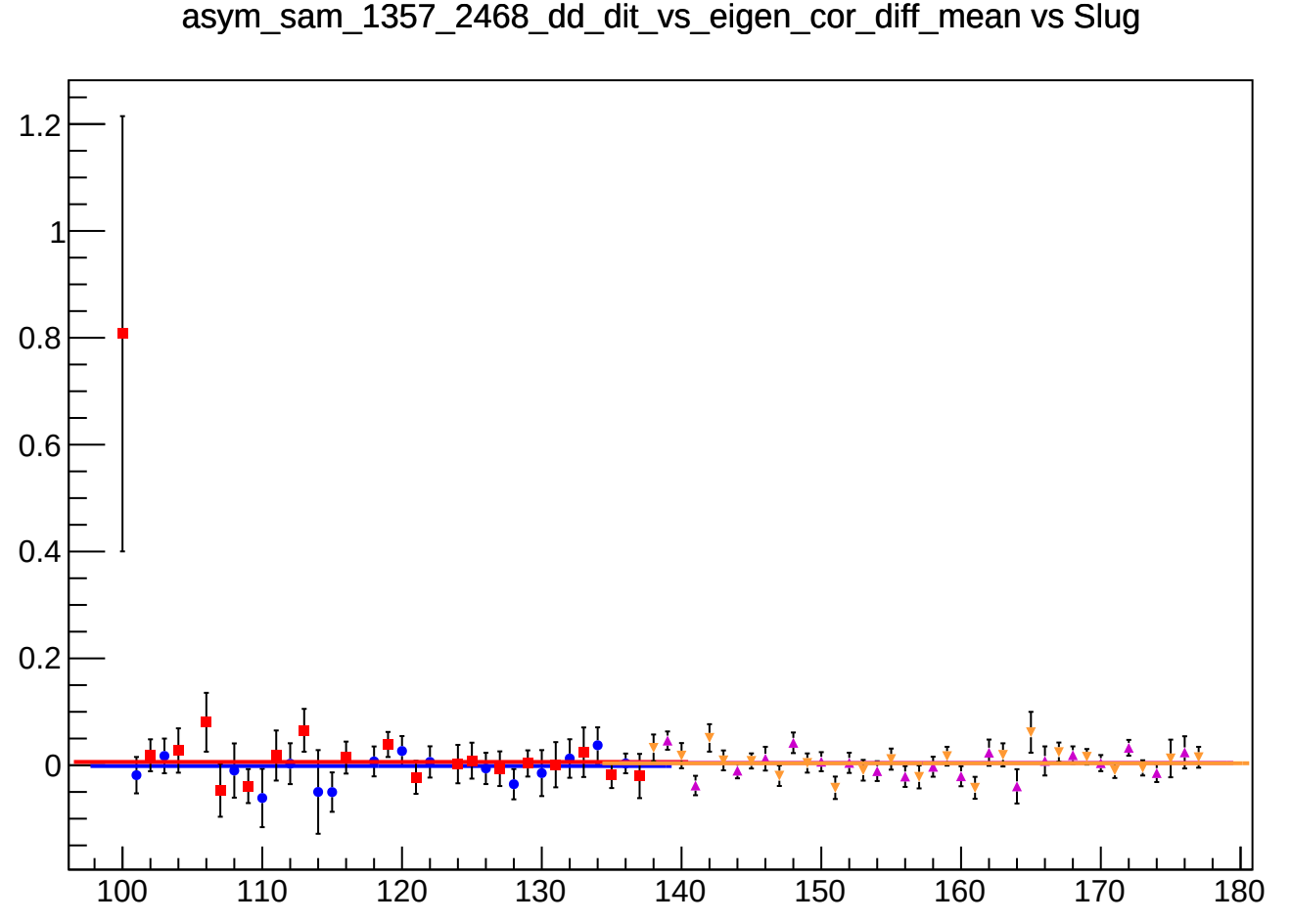
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.285+/-0.003 χ^2/NDF:645214.7/18

\+ sign 17.190+/-0.003 χ^2/NDF: 2552502.6/36

All: 17.193+/-0.002 χ^2/NDF: 4458743.5/74

\- sign 17.197+/-0.003 χ^2/NDF: 1906237.0/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

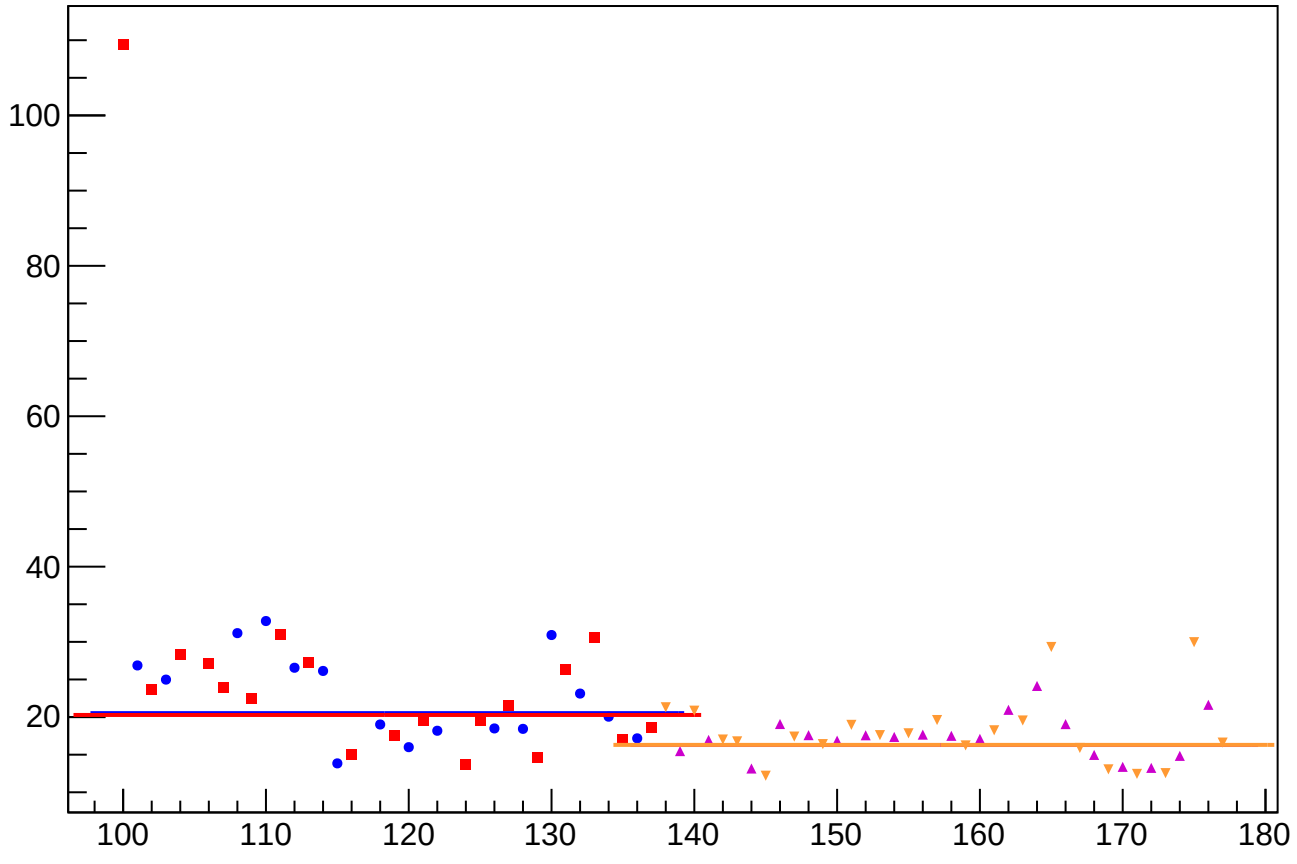
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.004+/-0.004 χ^2/NDF:29.2/18

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/36

All: 0.004+/-0.003 χ^2/NDF: 79.9/74

- sign 0.005+/-0.004 χ^2/NDF: 45.5/37



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.302+/-0.003 χ^2/NDF:1413652.1/20

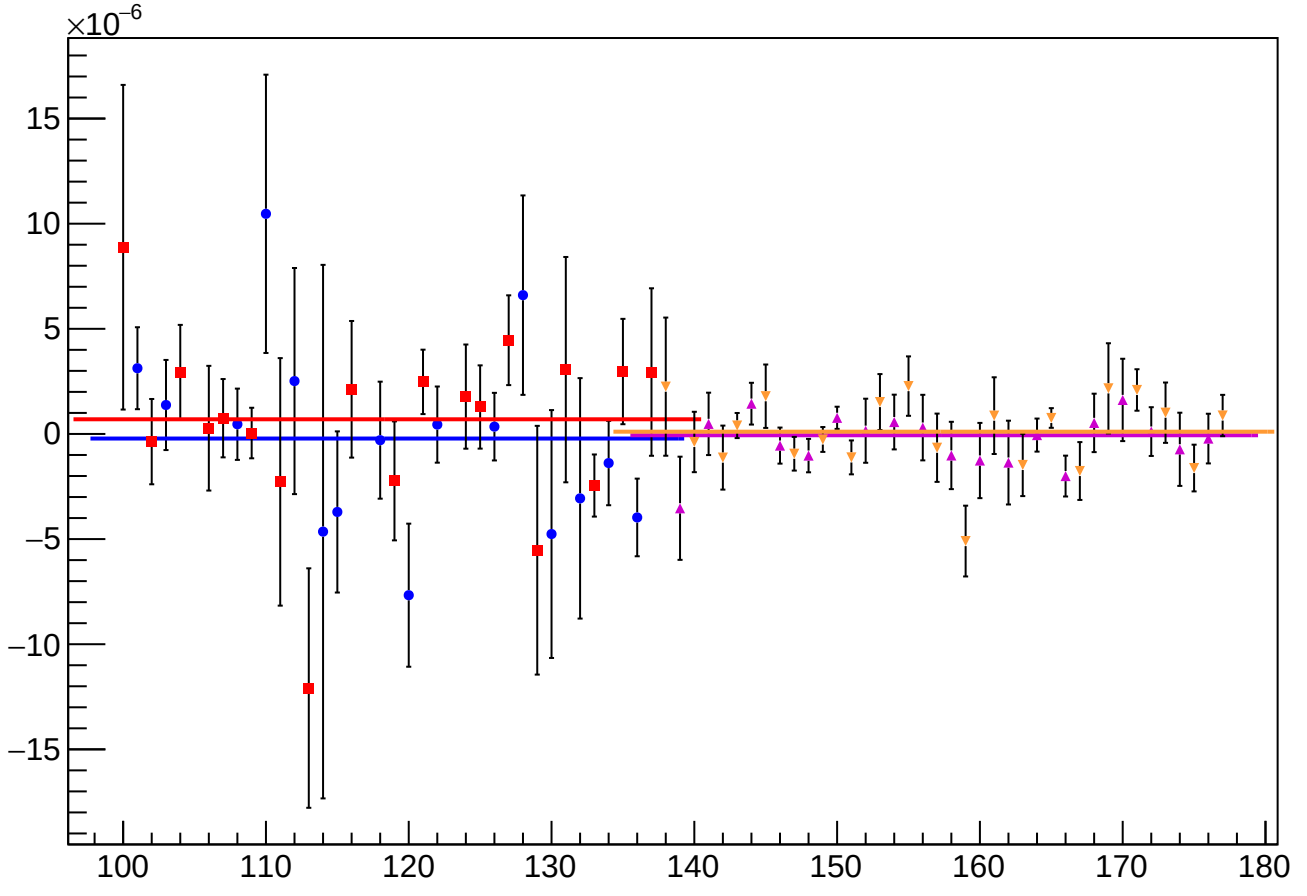
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.285+/-0.003 χ^2/NDF:645214.7/18

\+ sign 17.190+/-0.003 χ^2/NDF: 2552502.6/36

All: 17.193+/-0.002 χ^2/NDF: 4458743.5/74

\- sign 17.197+/-0.003 χ^2/NDF: 1906237.0/37



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.9/20

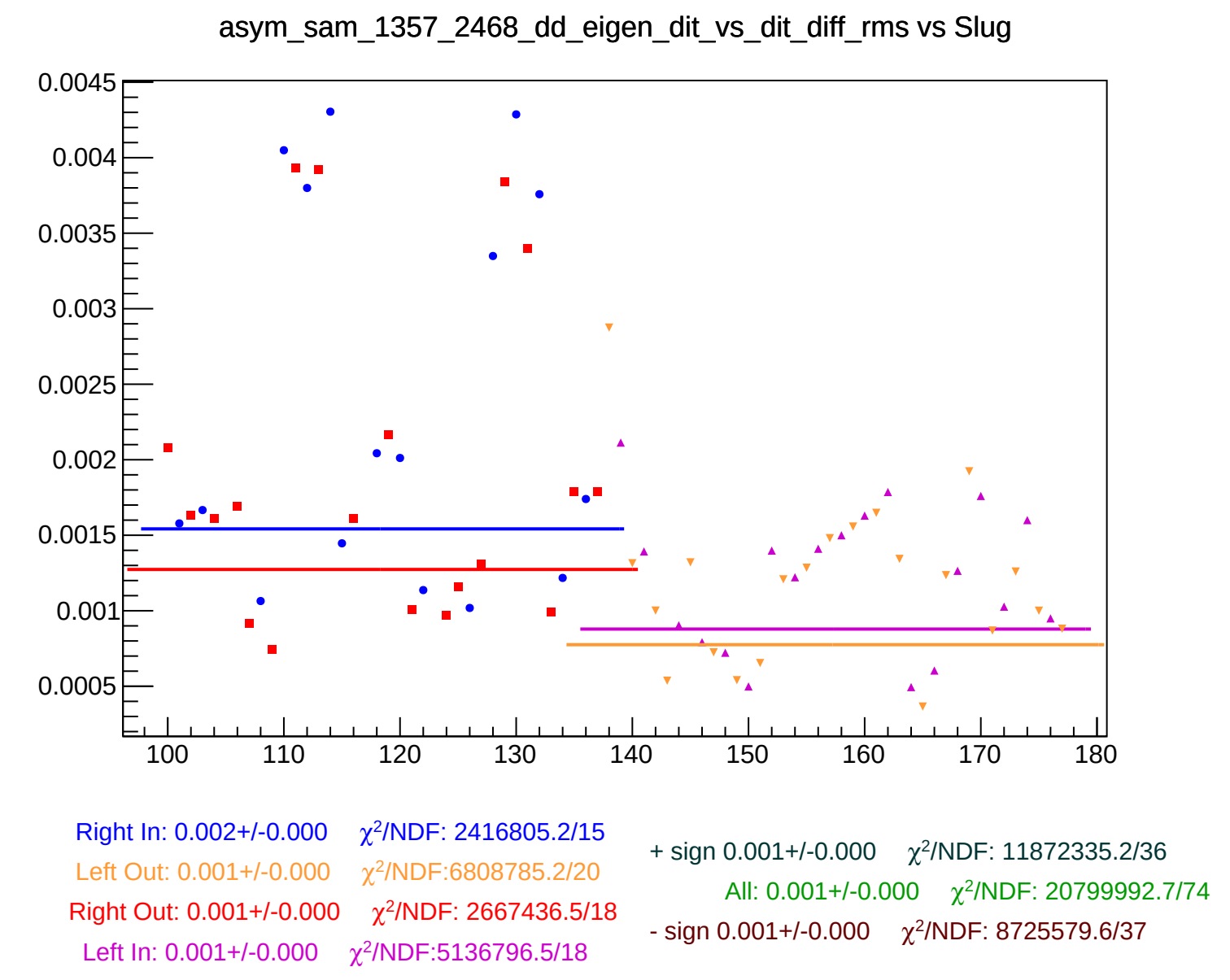
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

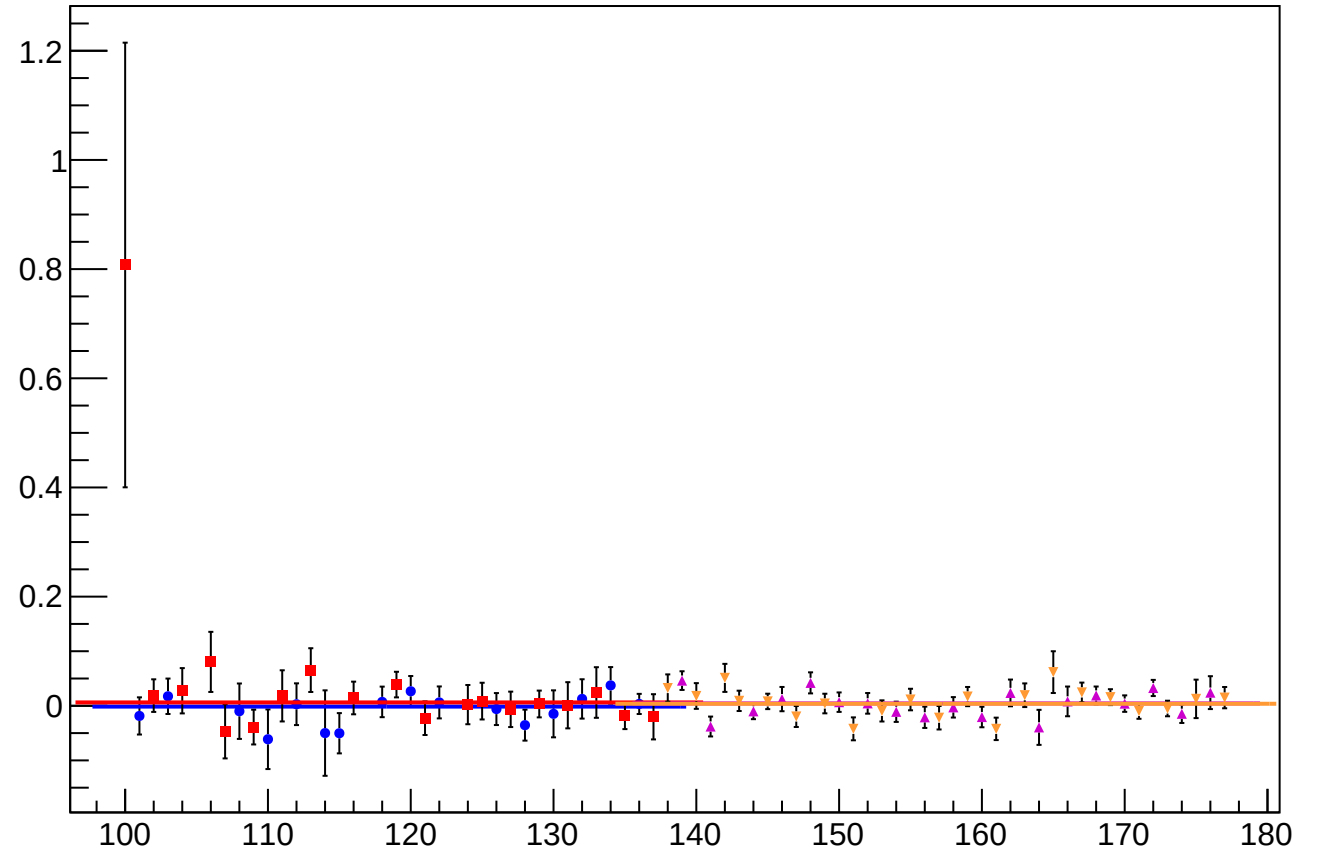
Left In: -0.000+/-0.000 χ^2/NDF:15.3/18

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/36

All: 0.000+/-0.000 χ^2/NDF: 92.0/74

- sign 0.000+/-0.000 χ^2/NDF: 38.0/37


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:6808785.2/20
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:5136796.5/18
+ sign 0.001+/-0.000 χ²/NDF: 11872335.2/36
All: 0.001+/-0.000 χ²/NDF: 20799992.7/74
- sign 0.001+/-0.000 χ²/NDF: 8725579.6/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

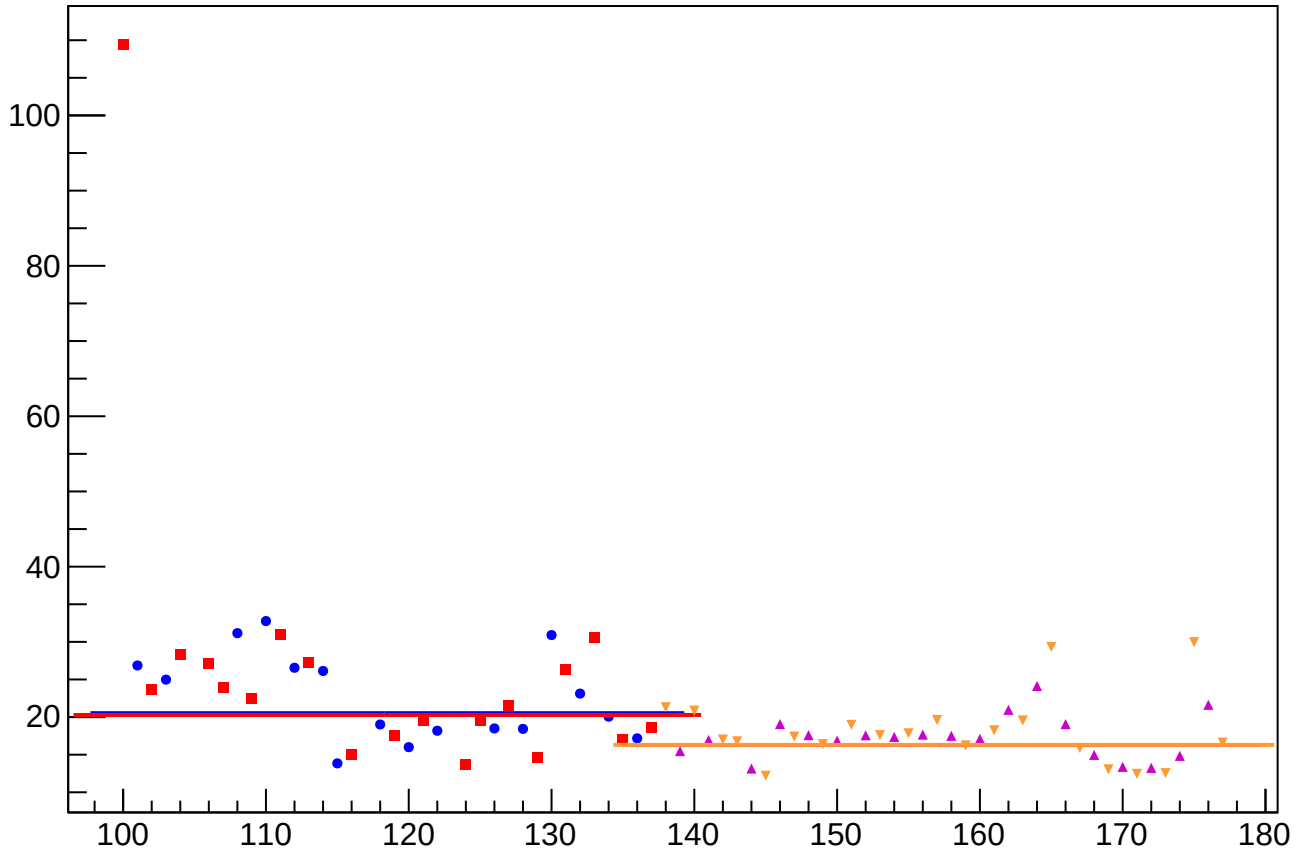
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.004+/-0.004 χ^2/NDF:29.2/18

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/36

All: 0.004+/-0.003 χ^2/NDF: 79.9/74

- sign 0.005+/-0.004 χ^2/NDF: 45.5/37



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.302+/-0.003 χ^2/NDF:1413610.5/20

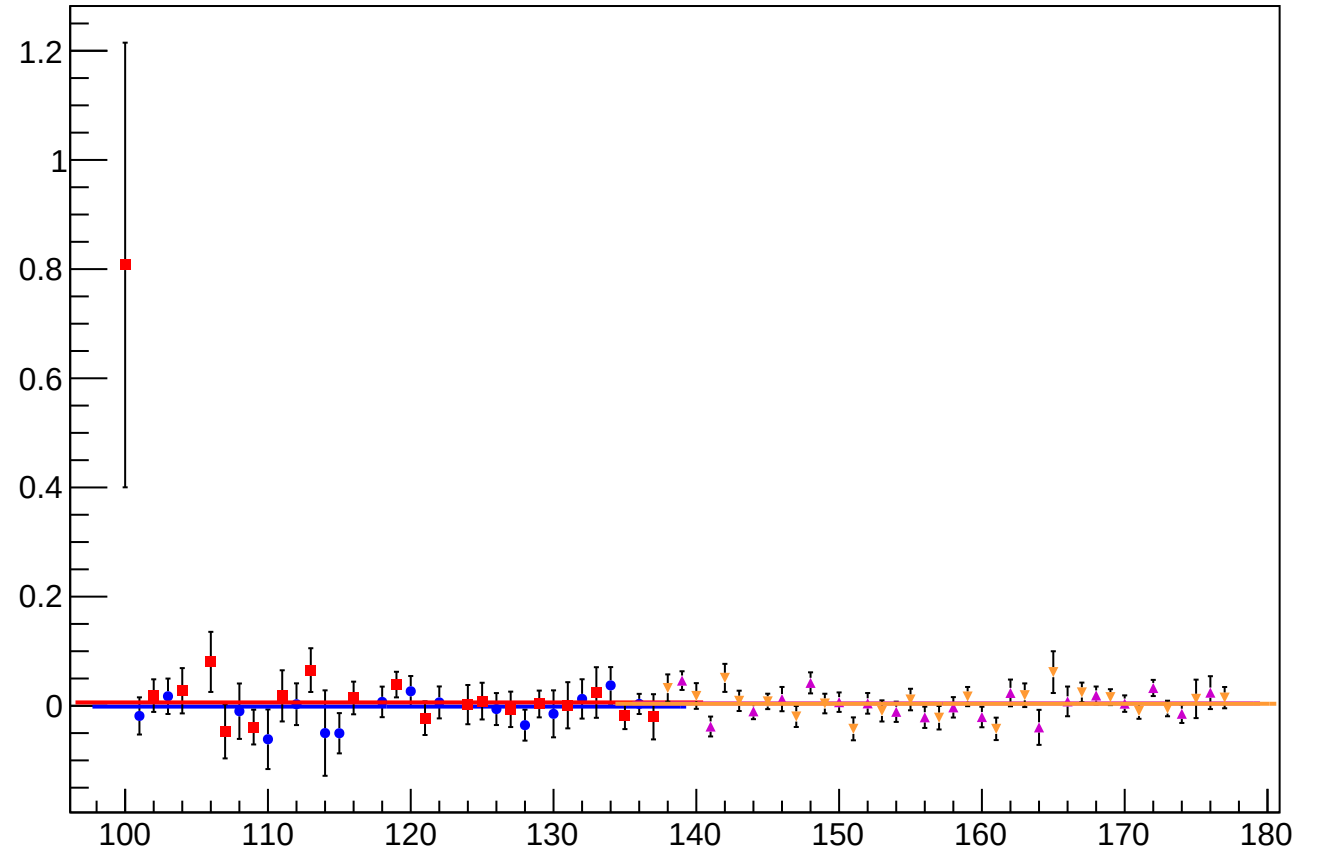
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.285+/-0.003 χ^2/NDF:645230.4/18

\+ sign 17.190+/-0.003 χ^2/NDF: 2552203.2/36

All: 17.193+/-0.002 χ^2/NDF: 4458322.5/74

\- sign 17.197+/-0.003 χ^2/NDF: 1906115.5/37



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

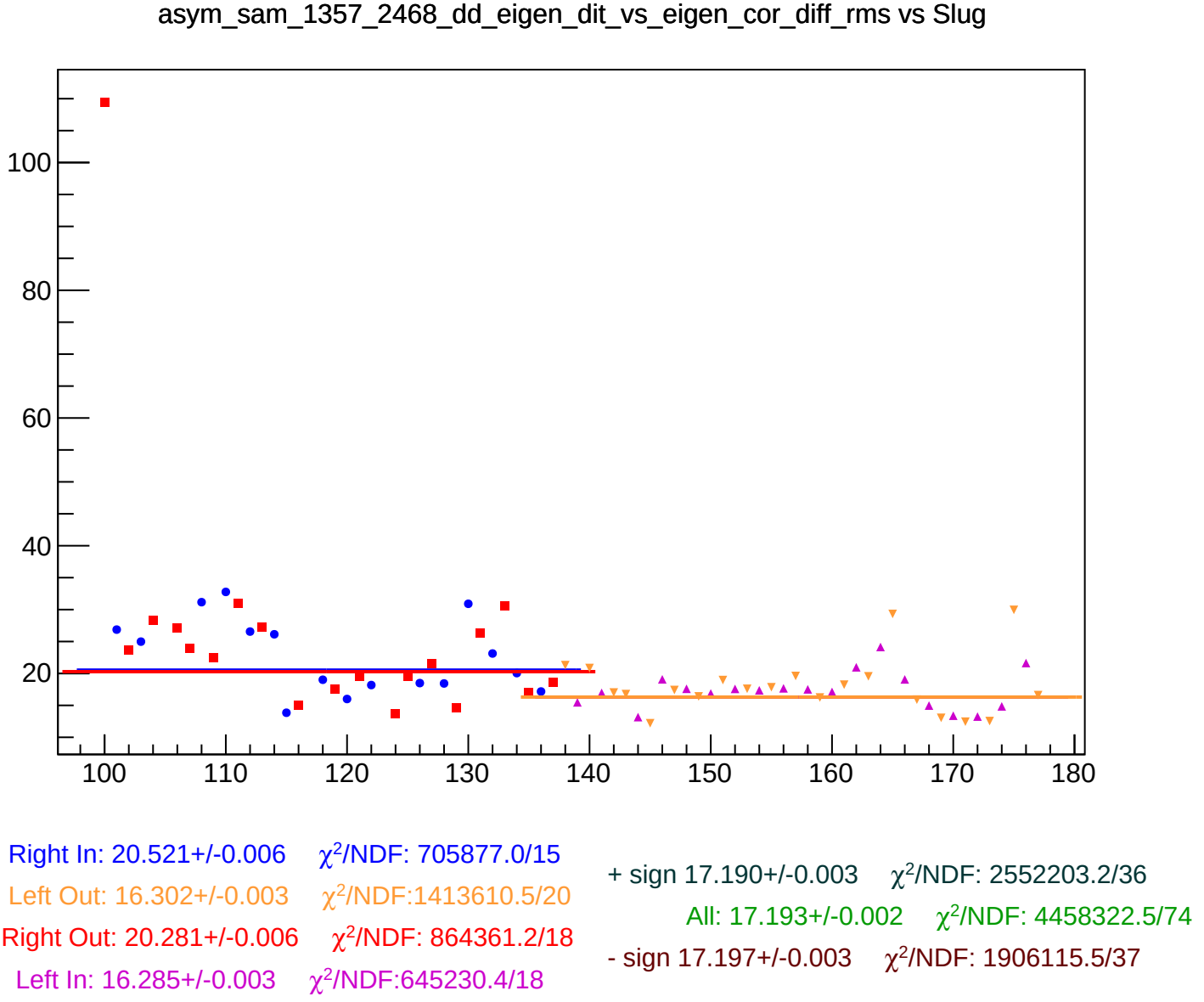
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

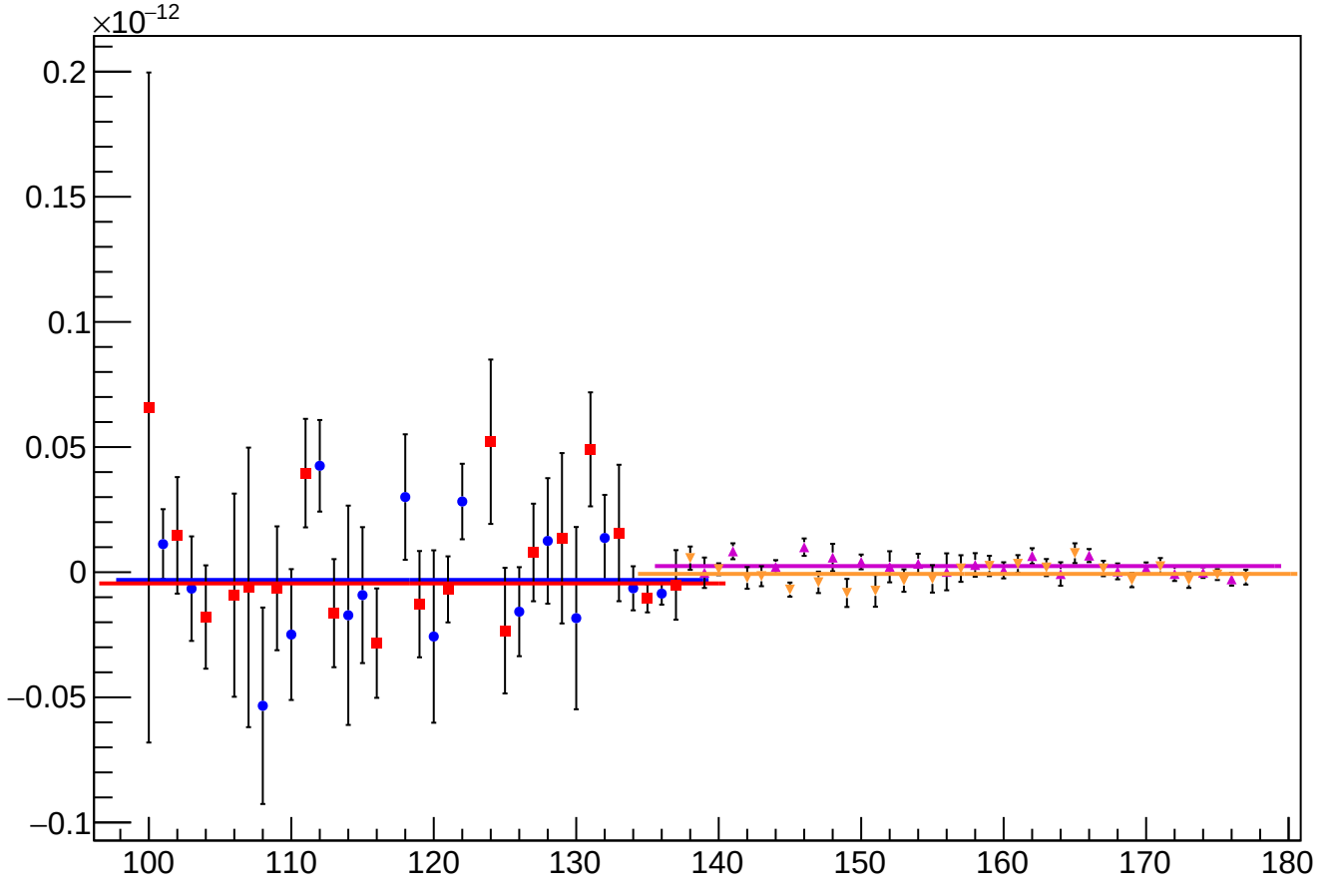
Left In: 0.004+/-0.004 χ^2/NDF:29.2/18

+ sign 0.003+/-0.004 χ^2/NDF: 34.2/36

All: 0.004+/-0.003 χ^2/NDF: 79.9/74

- sign 0.005+/-0.004 χ^2/NDF: 45.5/37


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: 16.302+/-0.003 χ²/NDF:1413610.5/20
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.285+/-0.003 χ²/NDF:645230.4/18
+ sign 17.190+/-0.003 χ²/NDF: 2552203.2/36
All: 17.193+/-0.002 χ²/NDF: 4458322.5/74
- sign 17.197+/-0.003 χ²/NDF: 1906115.5/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/20

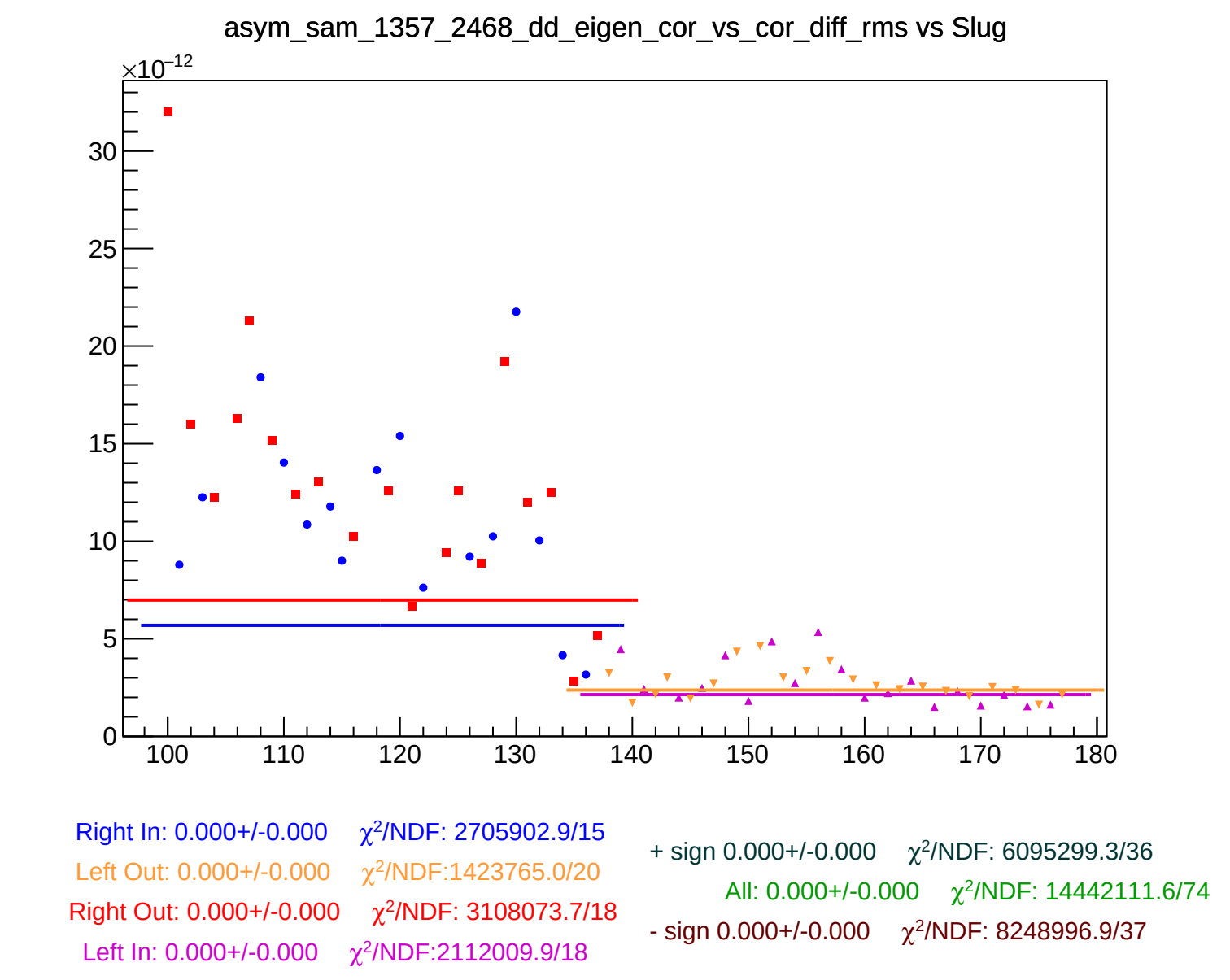
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/18

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/36

All: 0.000+/-0.000 χ^2/NDF: 93.9/74

- sign 0.000+/-0.000 χ^2/NDF: 43.6/37


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
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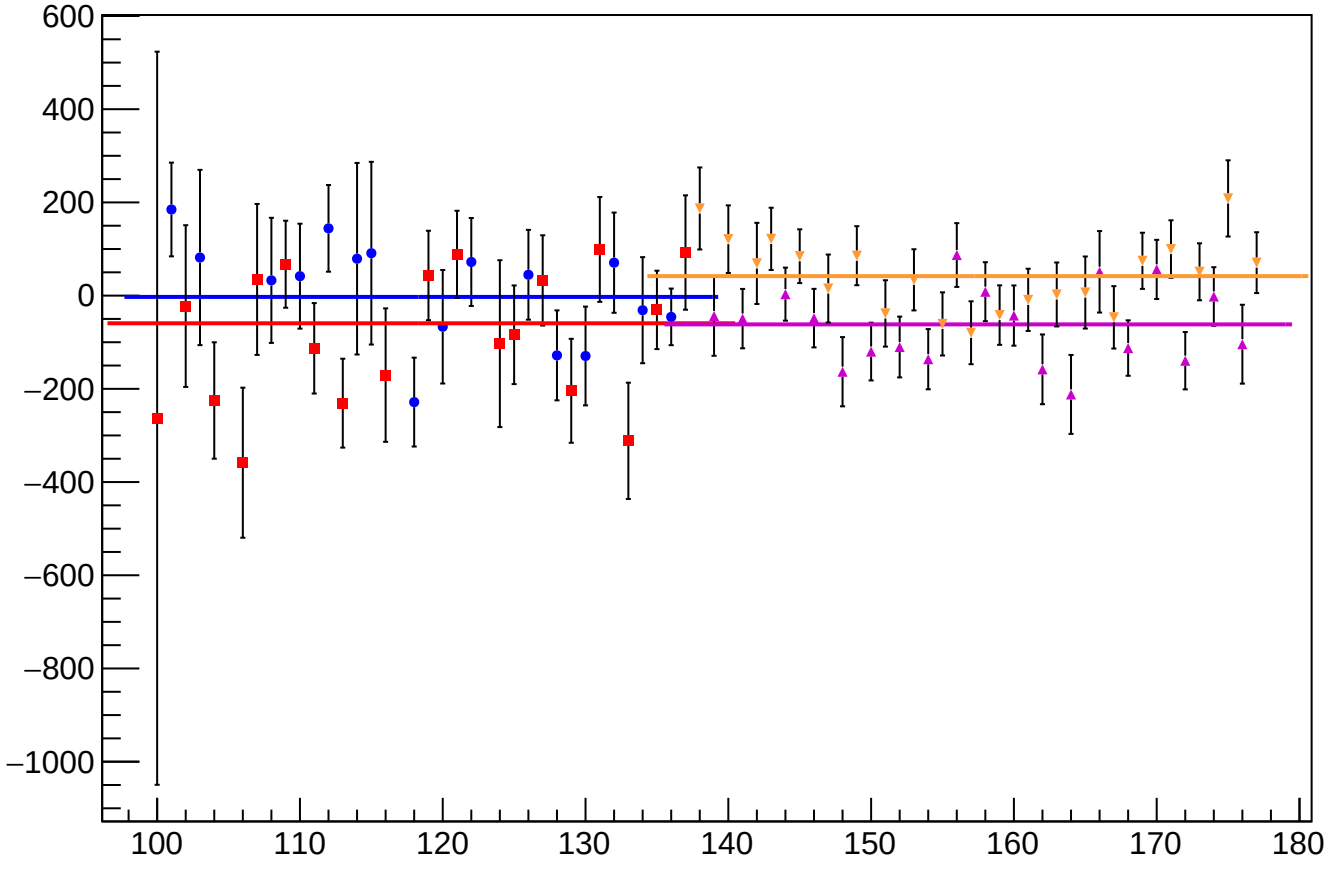
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1423765.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:2112009.9/18
+ sign 0.000+/-0.000 χ²/NDF: 6095299.3/36
All: 0.000+/-0.000 χ²/NDF: 14442111.6/74
- sign 0.000+/-0.000 χ²/NDF: 8248996.9/37

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 41.853+/-14.836 χ^2/NDF:23.6/20

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

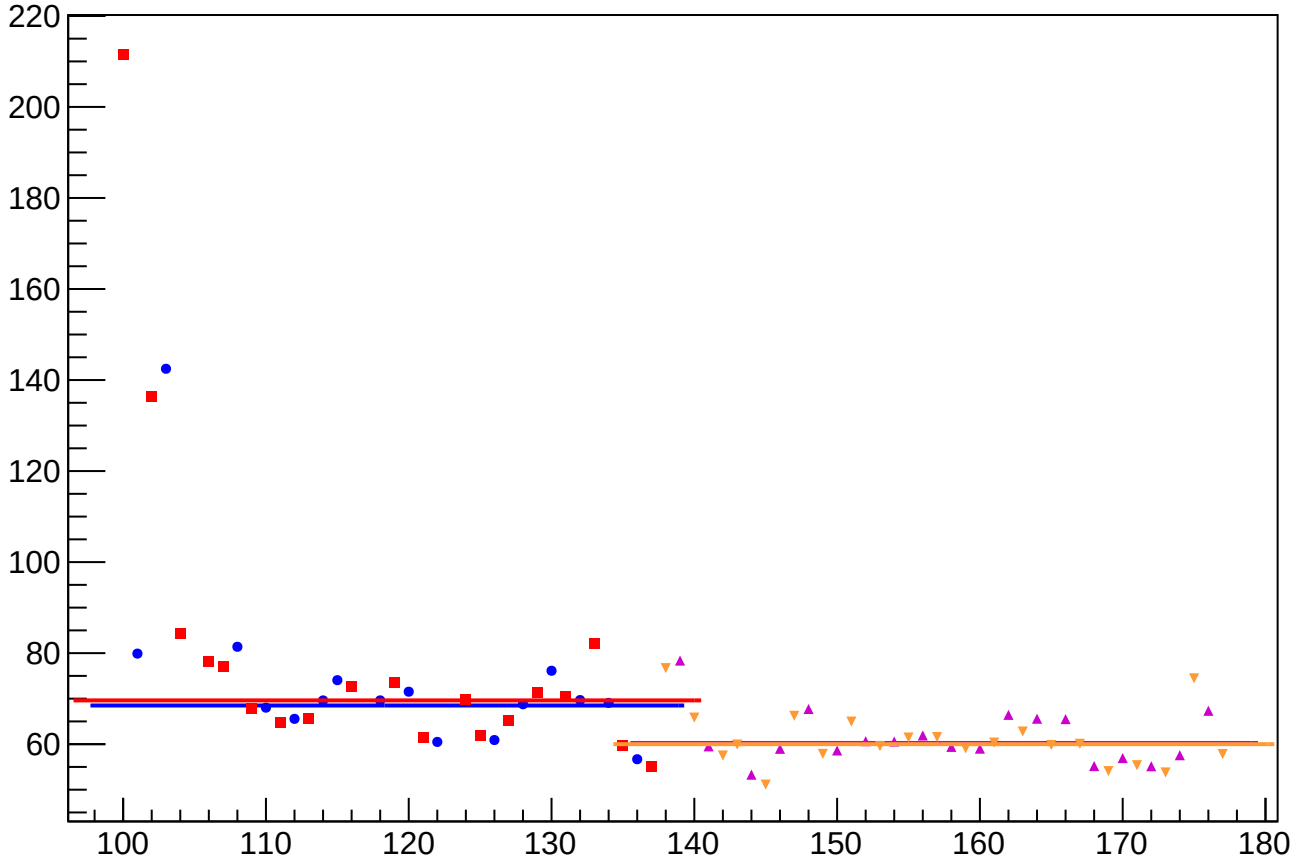
Left In: -61.698+/-15.427 χ^2/NDF:25.5/18

+ sign 31.028+/-12.912 χ^2/NDF: 43.4/36

All: -13.612+/-9.270 χ^2/NDF: 119.4/74

- sign -61.100+/-13.317 χ^2/NDF: 51.3/37

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 59.999+/-0.010 χ^2/NDF:282449.5/20

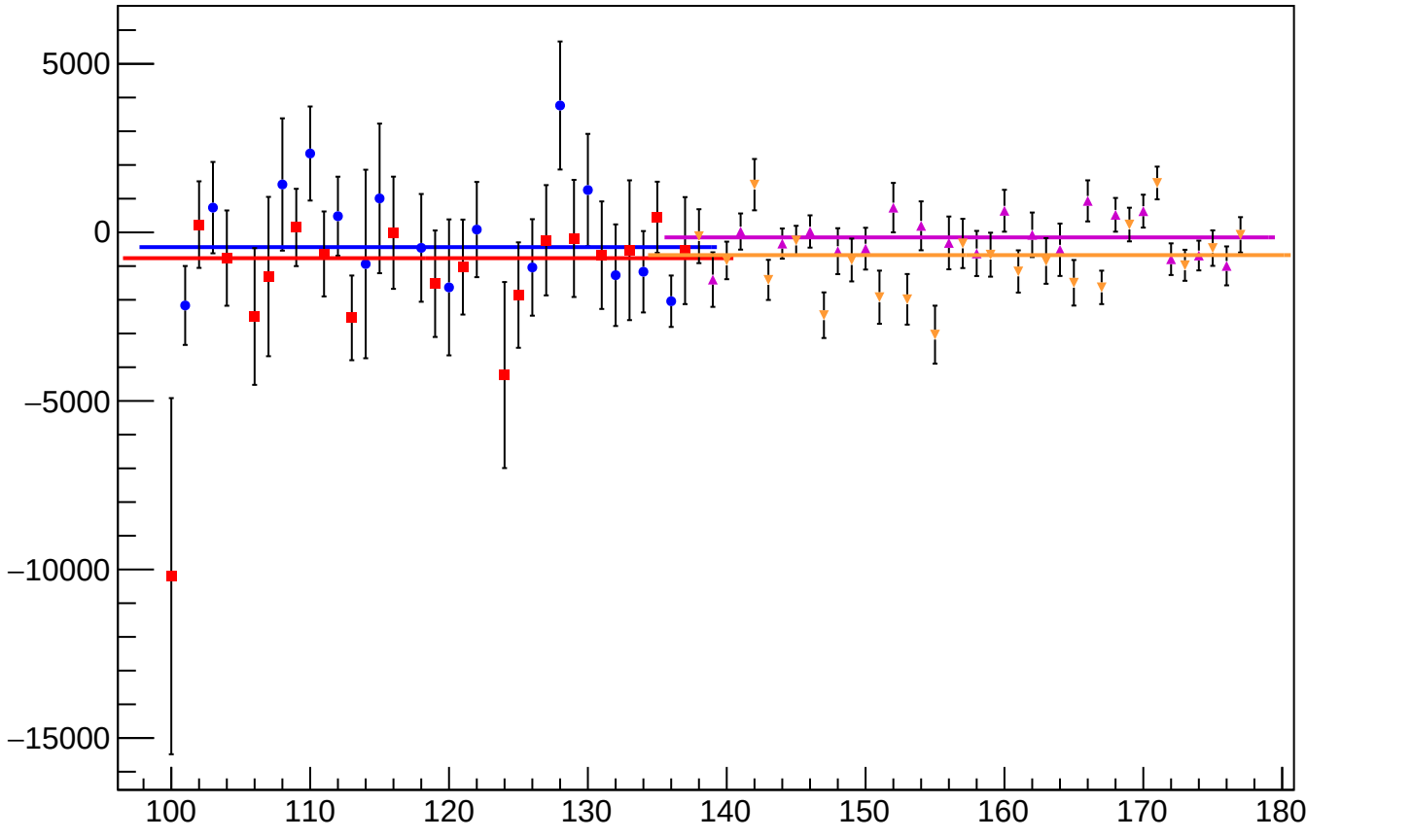
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

+ sign 62.061+/-0.009 χ^2/NDF: 913562.2/36

All: 62.346+/-0.007 χ^2/NDF: 1848488.2/74

- sign 62.648+/-0.009 χ^2/NDF: 932925.8/37



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -674.290+/-129.735 χ^2/NDF:61.4/20

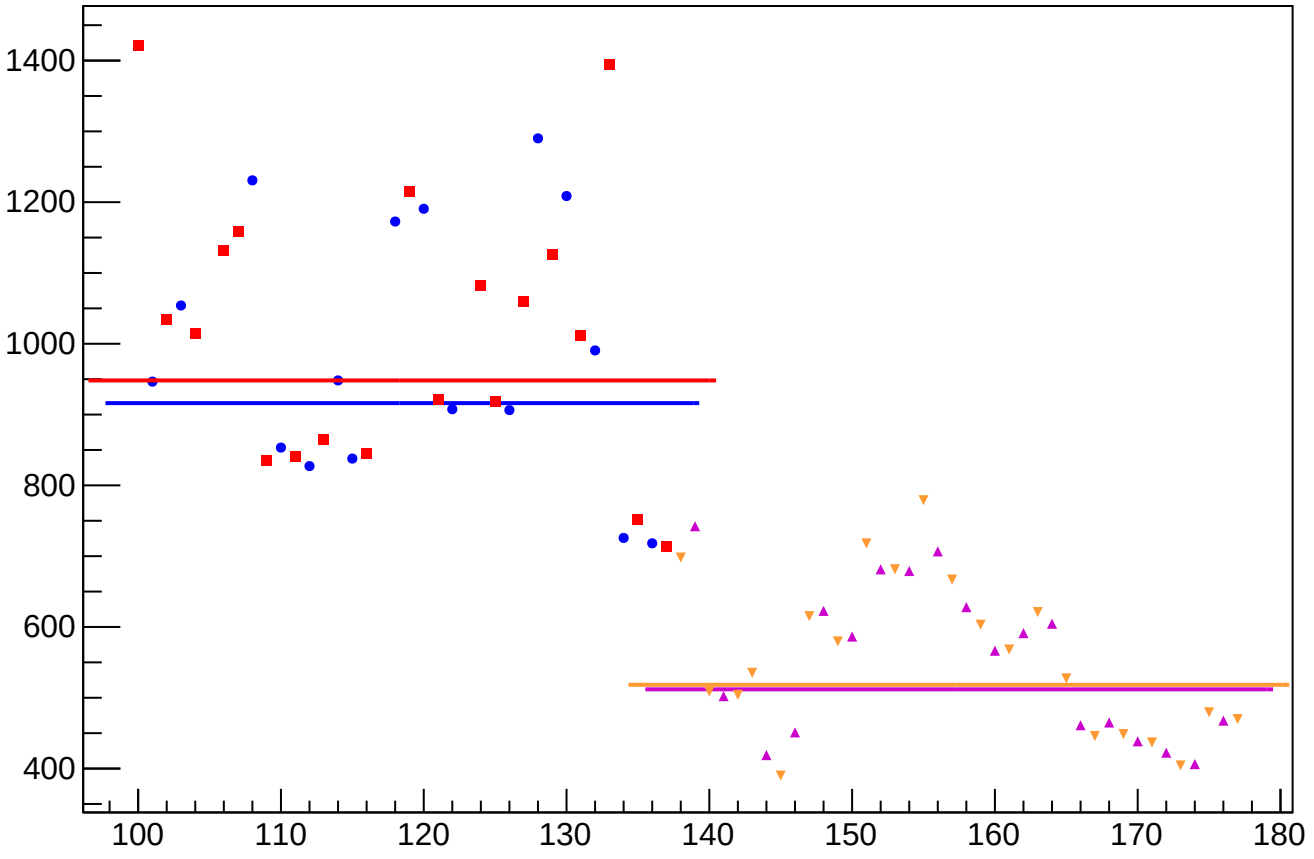
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -148.340+/-132.680 χ^2/NDF:20.5/18

+ sign -645.517+/-121.599 χ^2/NDF: 82.4/36

All: -439.557+/-86.888 χ^2/NDF: 122.8/74

- sign -224.696+/-124.199 χ^2/NDF: 34.5/37



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 518.320+/-0.092 χ^2/NDF:1206811.8/20

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

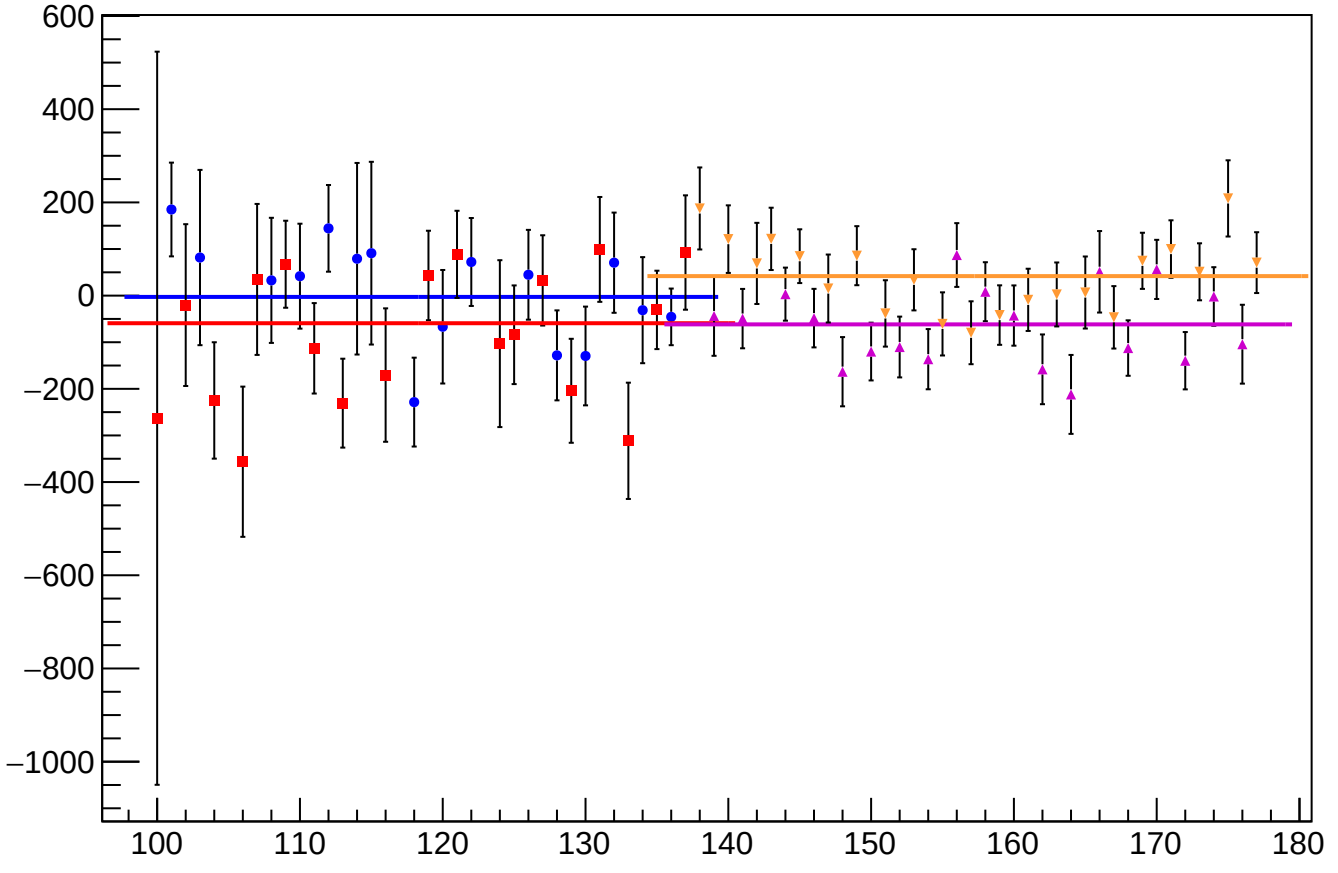
Left In: 511.906+/-0.094 χ^2/NDF:1107758.6/18

+ sign 566.651+/-0.086 χ^2/NDF: 4000854.6/36

All: 566.285+/-0.061 χ^2/NDF: 8200588.0/74

- sign 565.903+/-0.088 χ^2/NDF: 4199696.4/37

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 41.856+/-14.836 χ^2/NDF:23.6/20

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

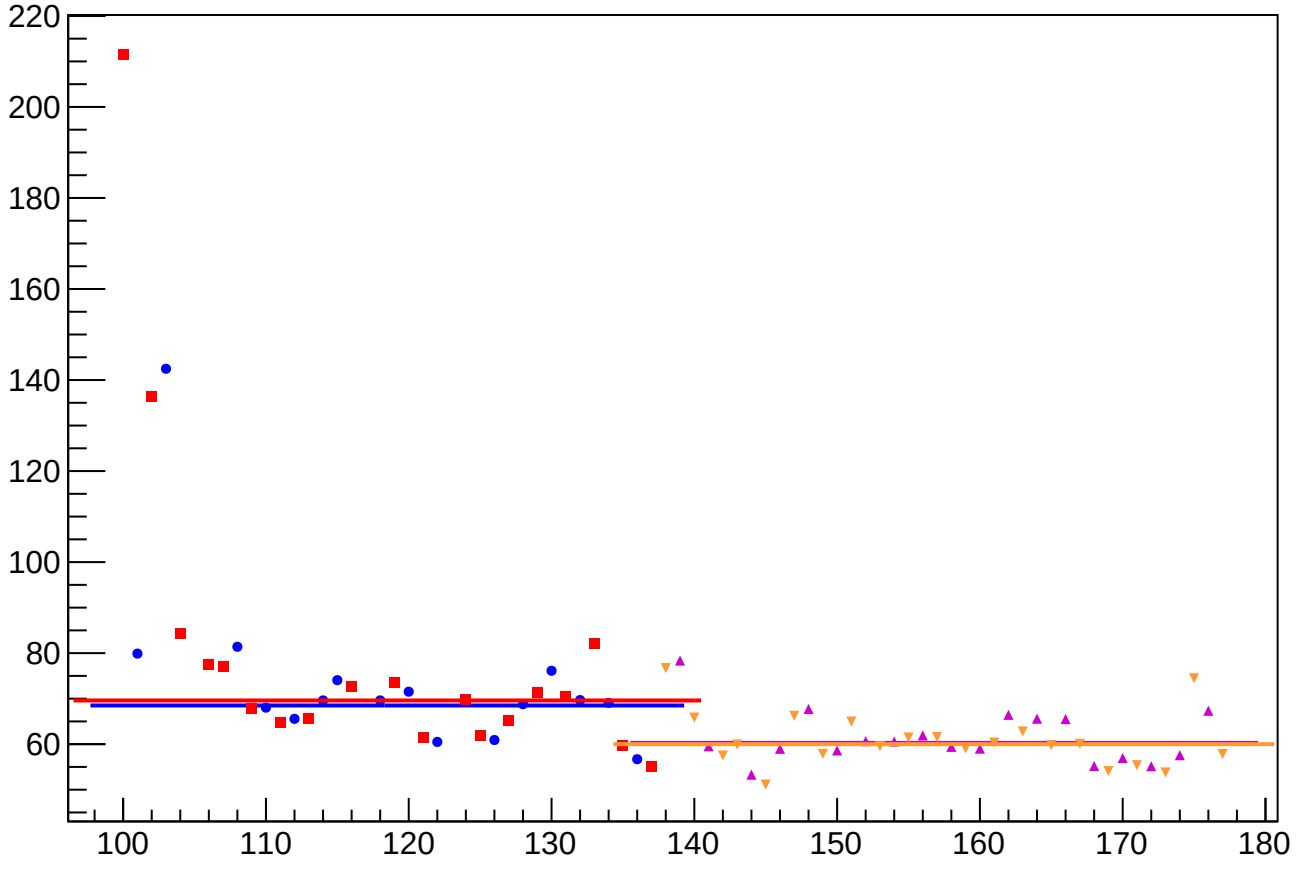
Left In: -61.698+/-15.427 χ^2/NDF:25.5/18

+ sign 31.028+/-12.912 χ^2/NDF: 43.4/36

All: -13.596+/-9.270 χ^2/NDF: 119.3/74

- sign -61.068+/-13.317 χ^2/NDF: 51.2/37

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 59.999+/-0.010 χ^2/NDF:282449.5/20

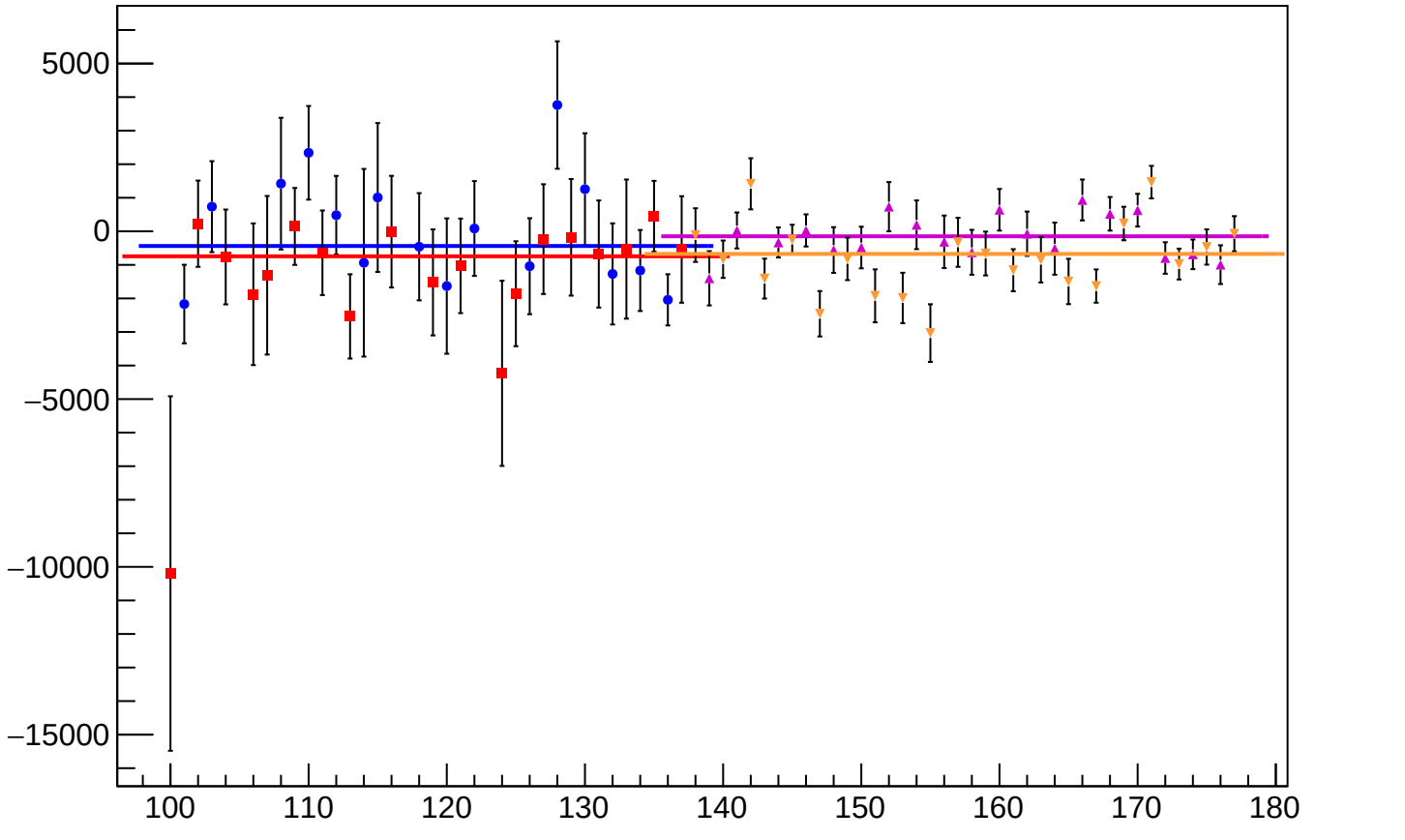
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

+ sign 62.061+/-0.009 χ^2/NDF: 913565.1/36

All: 62.343+/-0.007 χ^2/NDF: 1847059.9/74

- sign 62.643+/-0.009 χ^2/NDF: 931528.9/37



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -674.285+/-129.735 χ^2/NDF:61.4/20

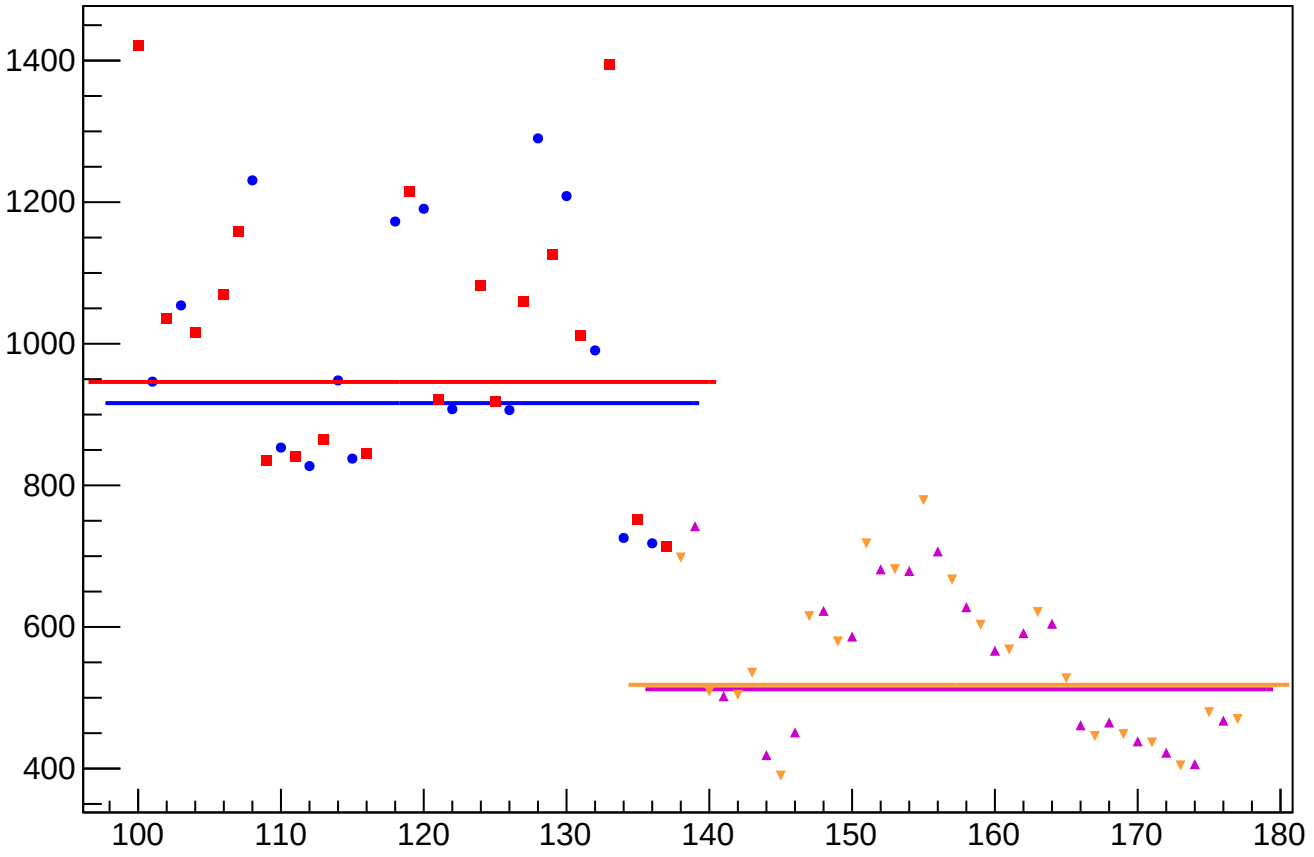
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -148.341+/-132.680 χ^2/NDF:20.5/18

+ sign -645.510+/-121.599 χ^2/NDF: 82.4/36

All: -438.239+/-86.895 χ^2/NDF: 122.2/74

- sign -221.944+/-124.218 χ^2/NDF: 33.9/37



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 518.319+/-0.092 χ^2/NDF:1206816.1/20

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

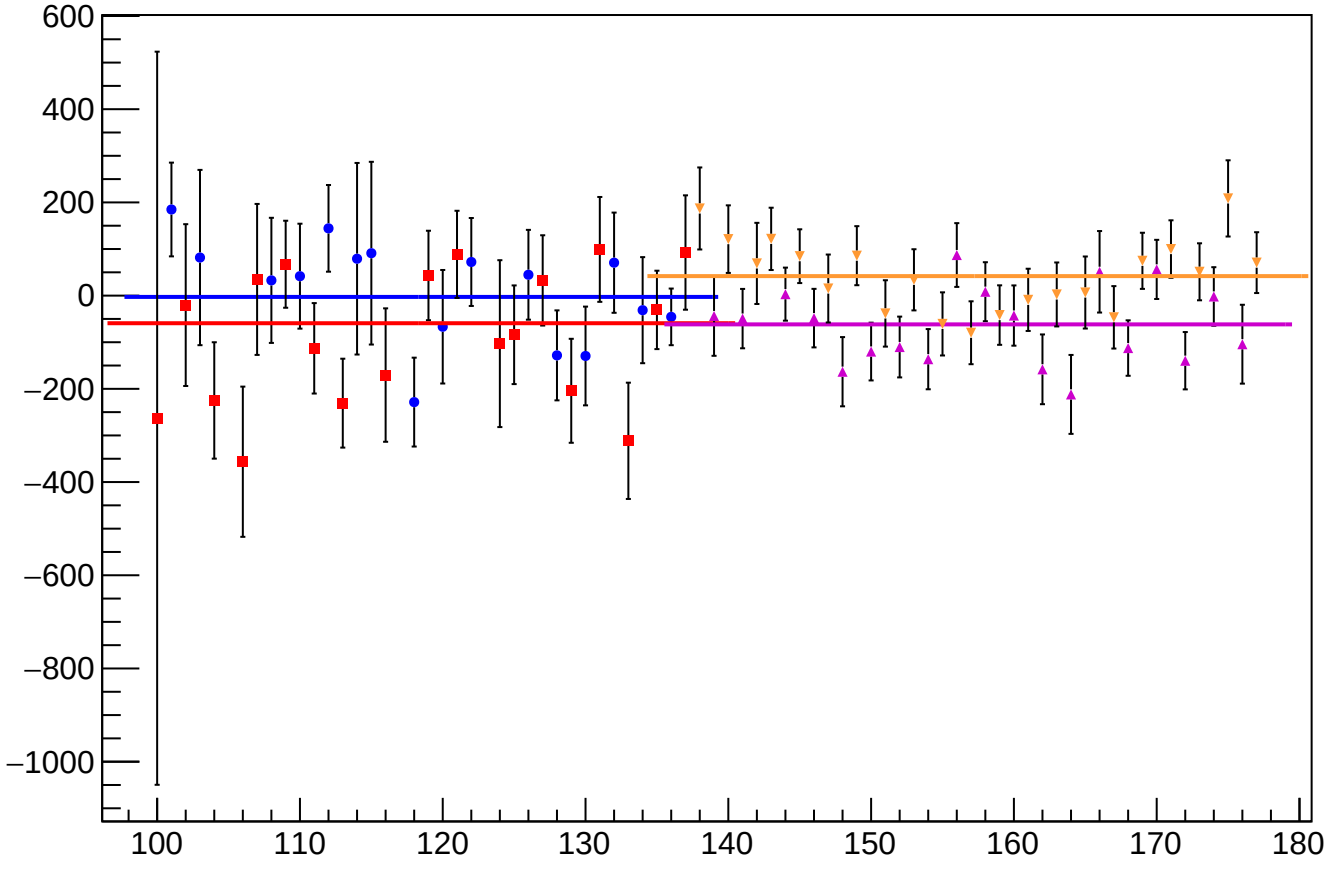
Left In: 511.906+/-0.094 χ^2/NDF:1107757.0/18

+ sign 566.651+/-0.086 χ^2/NDF: 4000908.3/36

All: 566.099+/-0.061 χ^2/NDF: 8158953.4/74

- sign 565.522+/-0.088 χ^2/NDF: 4157960.8/37

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 41.856+/-14.836 χ^2/NDF:23.6/20

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

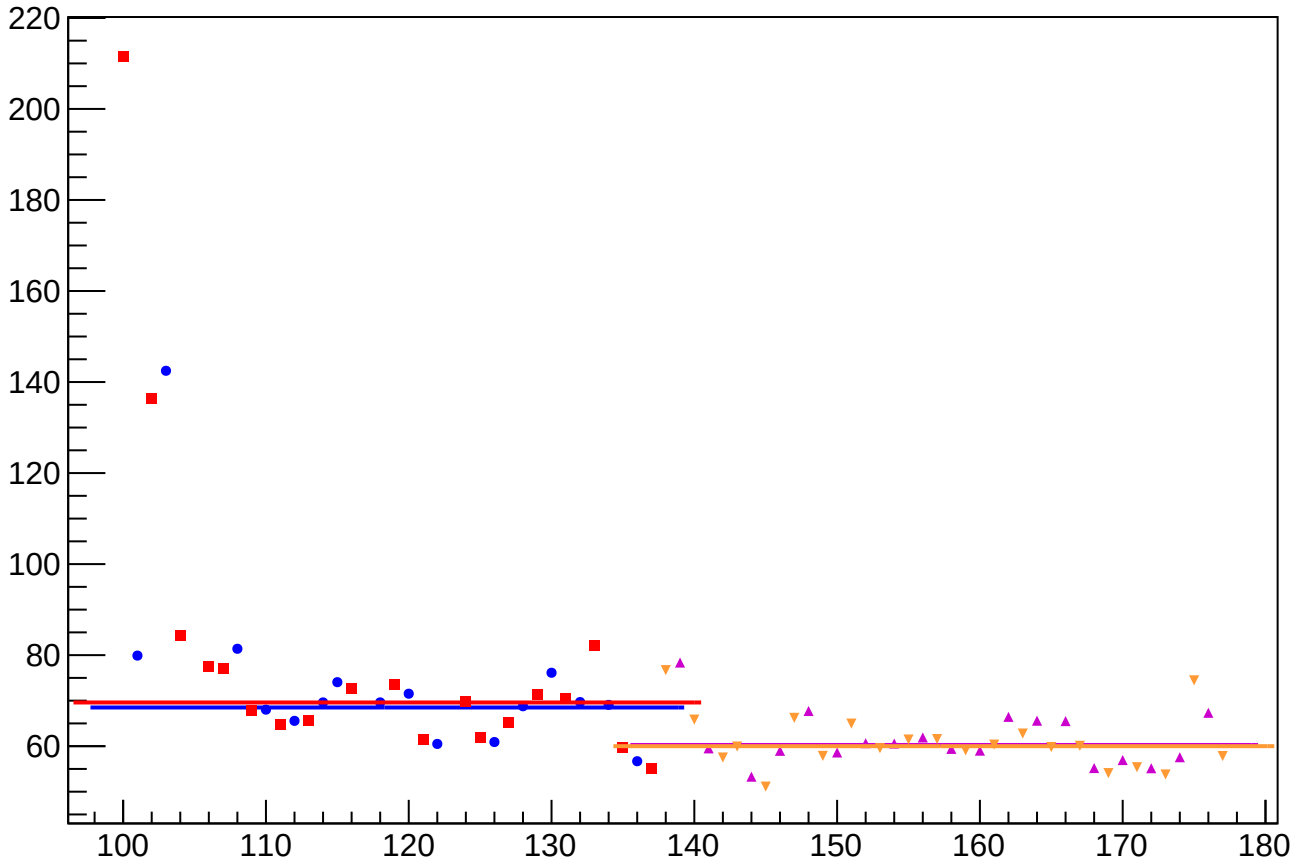
Left In: -61.698+/-15.427 χ^2/NDF:25.5/18

+ sign 31.028+/-12.912 χ^2/NDF: 43.4/36

All: -13.596+/-9.270 χ^2/NDF: 119.3/74

- sign -61.068+/-13.317 χ^2/NDF: 51.2/37

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 59.999+/-0.010 χ^2/NDF:282449.5/20

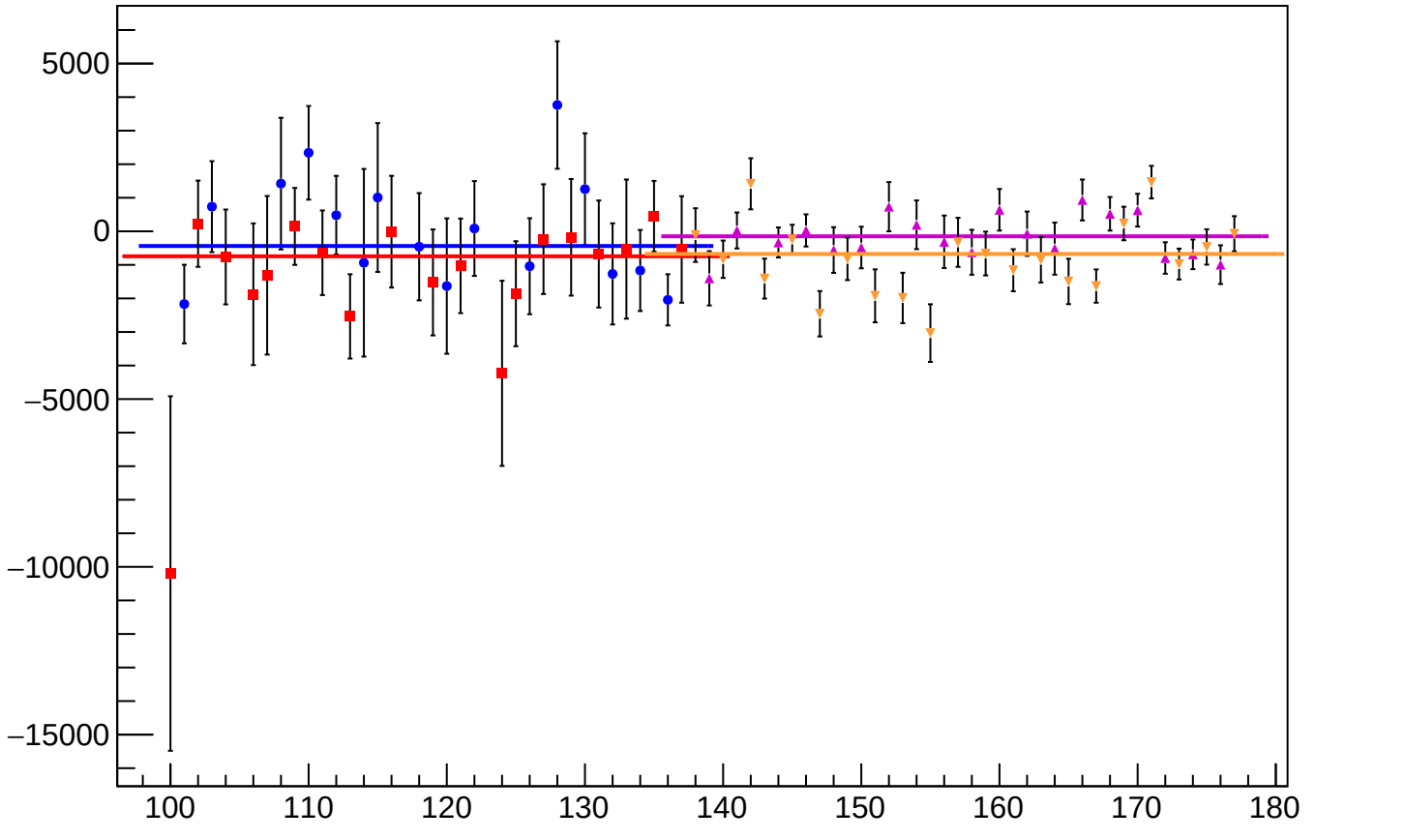
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

+ sign 62.061+/-0.009 χ^2/NDF: 913565.1/36

All: 62.343+/-0.007 χ^2/NDF: 1847059.9/74

- sign 62.643+/-0.009 χ^2/NDF: 931528.9/37



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -674.285+/-129.735 χ^2/NDF:61.4/20

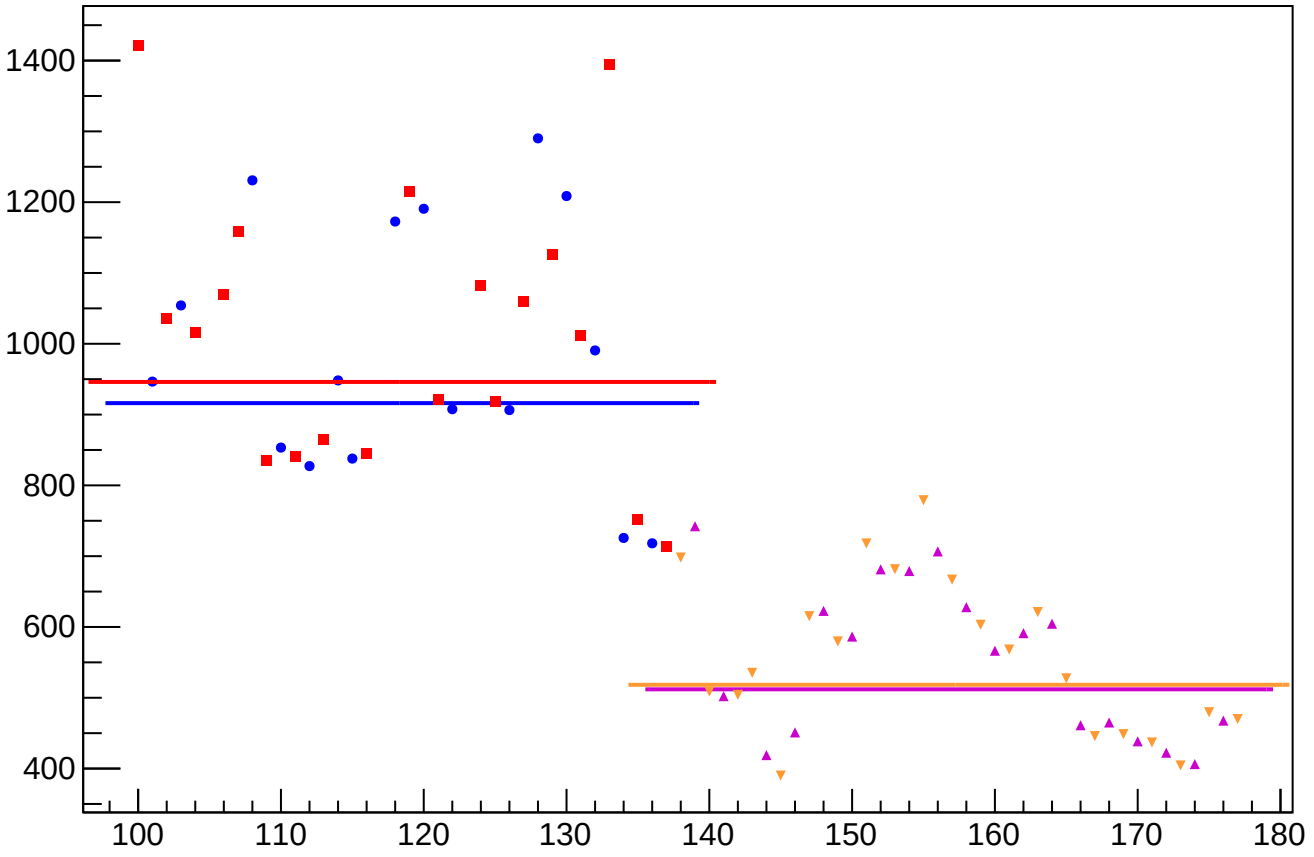
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -148.341+/-132.680 χ^2/NDF:20.5/18

+ sign -645.510+/-121.599 χ^2/NDF: 82.4/36

All: -438.239+/-86.895 χ^2/NDF: 122.2/74

- sign -221.944+/-124.218 χ^2/NDF: 33.9/37



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 518.319+/-0.092 χ^2/NDF:1206816.1/20

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

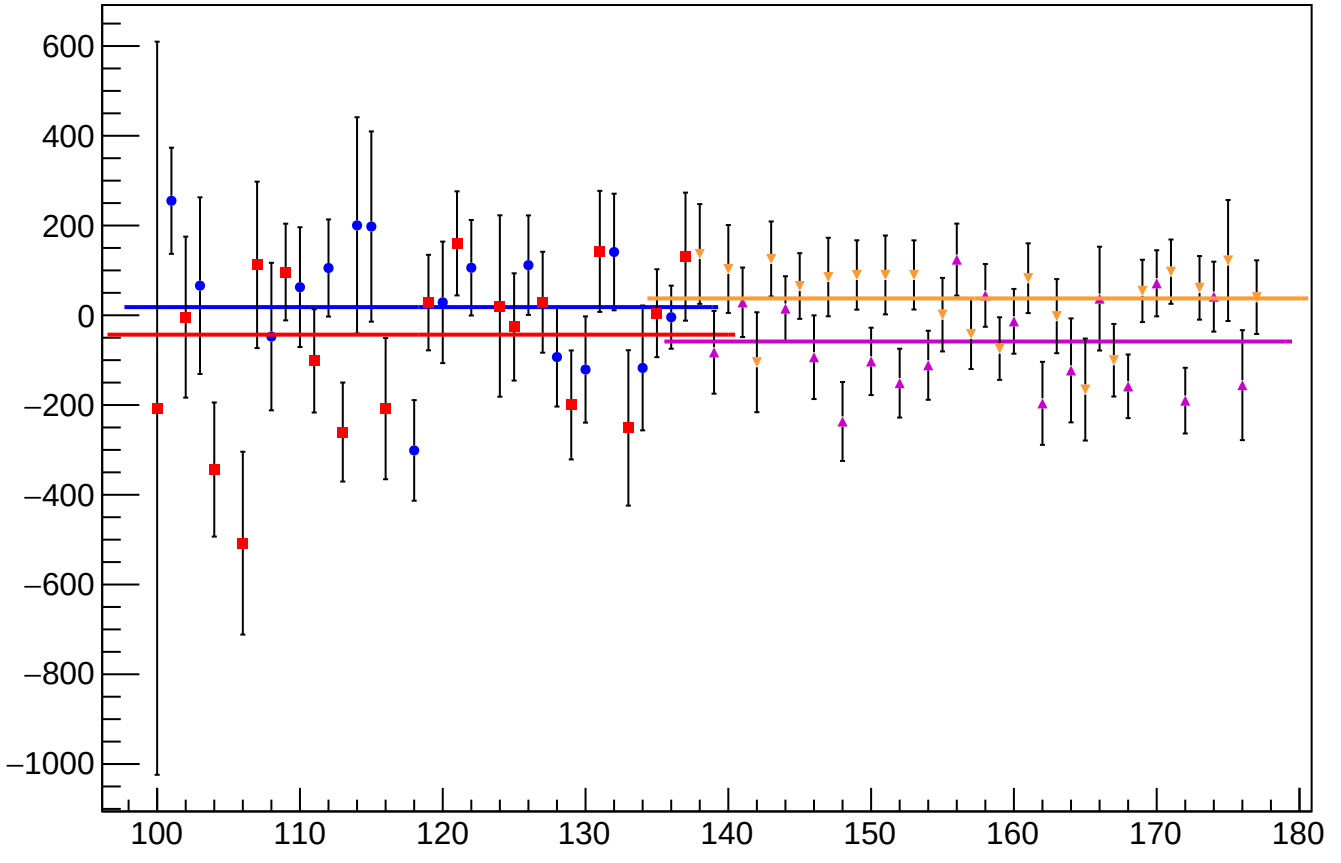
Left In: 511.906+/-0.094 χ^2/NDF:1107757.0/18

\+ sign 566.651+/-0.086 χ^2/NDF: 4000908.3/36

All: 566.099+/-0.061 χ^2/NDF: 8158953.4/74

\- sign 565.522+/-0.088 χ^2/NDF: 4157960.8/37

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.563+/-18.085 χ^2/NDF:17.4/20

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

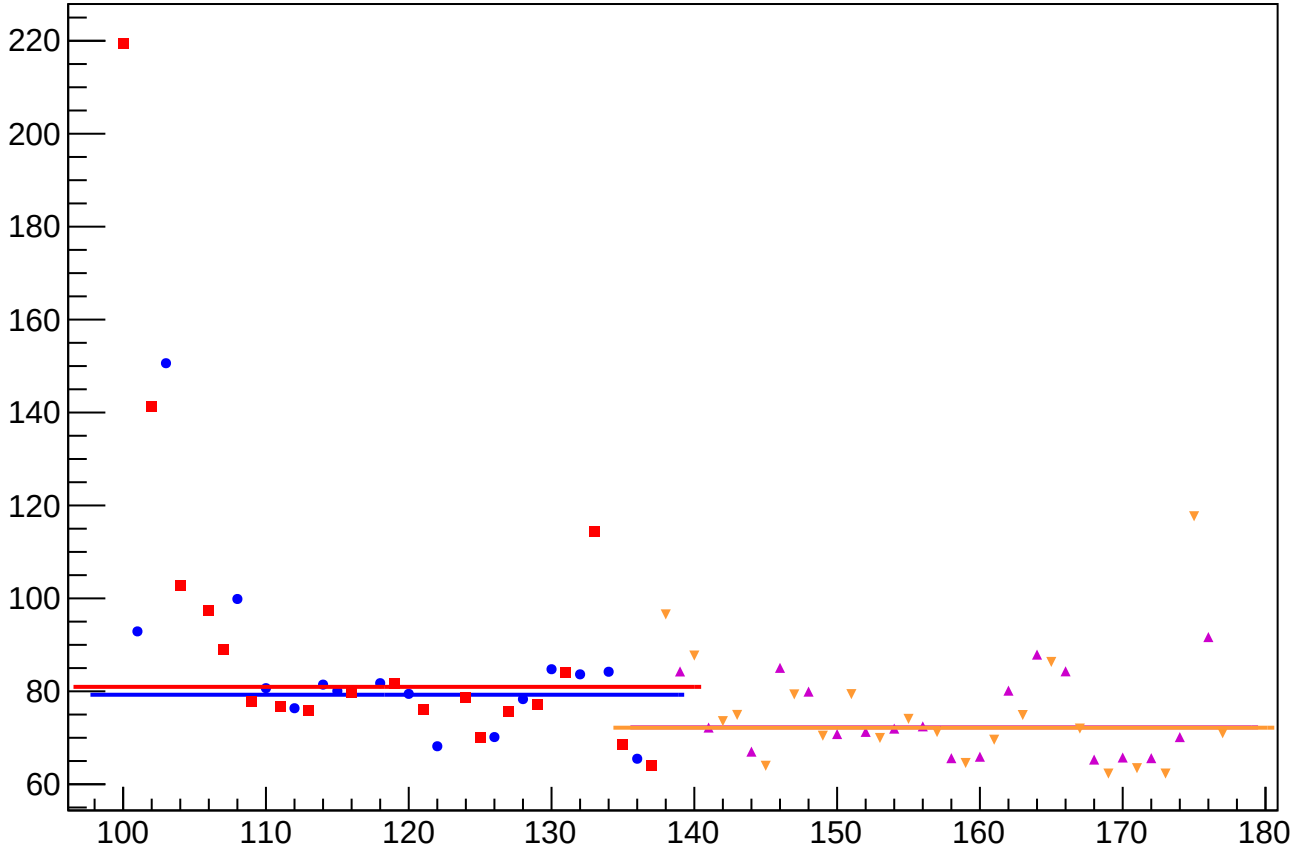
Left In: -58.478+/-18.707 χ^2/NDF:30.5/18

+ sign 32.482+/-15.535 χ^2/NDF: 37.8/36

All: -9.710+/-11.138 χ^2/NDF: 111.4/74

- sign -54.328+/-15.976 χ^2/NDF: 58.4/37

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 72.170+/-0.013 χ^2/NDF:601205.9/20

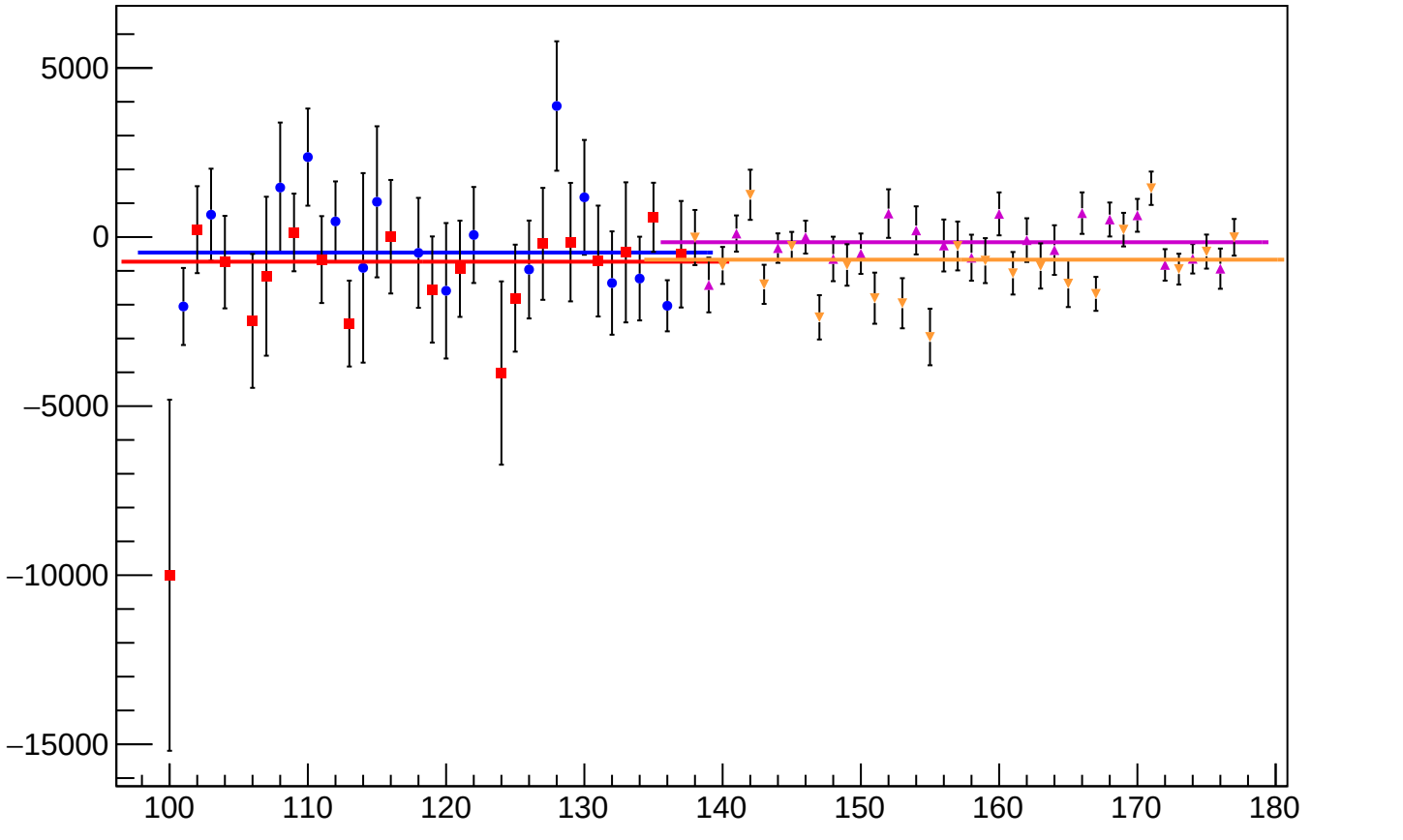
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.245+/-0.013 χ^2/NDF:307643.6/18

+ sign 74.029+/-0.011 χ^2/NDF: 1126776.9/36

All: 74.308+/-0.008 χ^2/NDF: 2067377.2/74

- sign 74.604+/-0.011 χ^2/NDF: 939272.1/37



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -669.285+/-128.315 χ^2/NDF:59.1/20

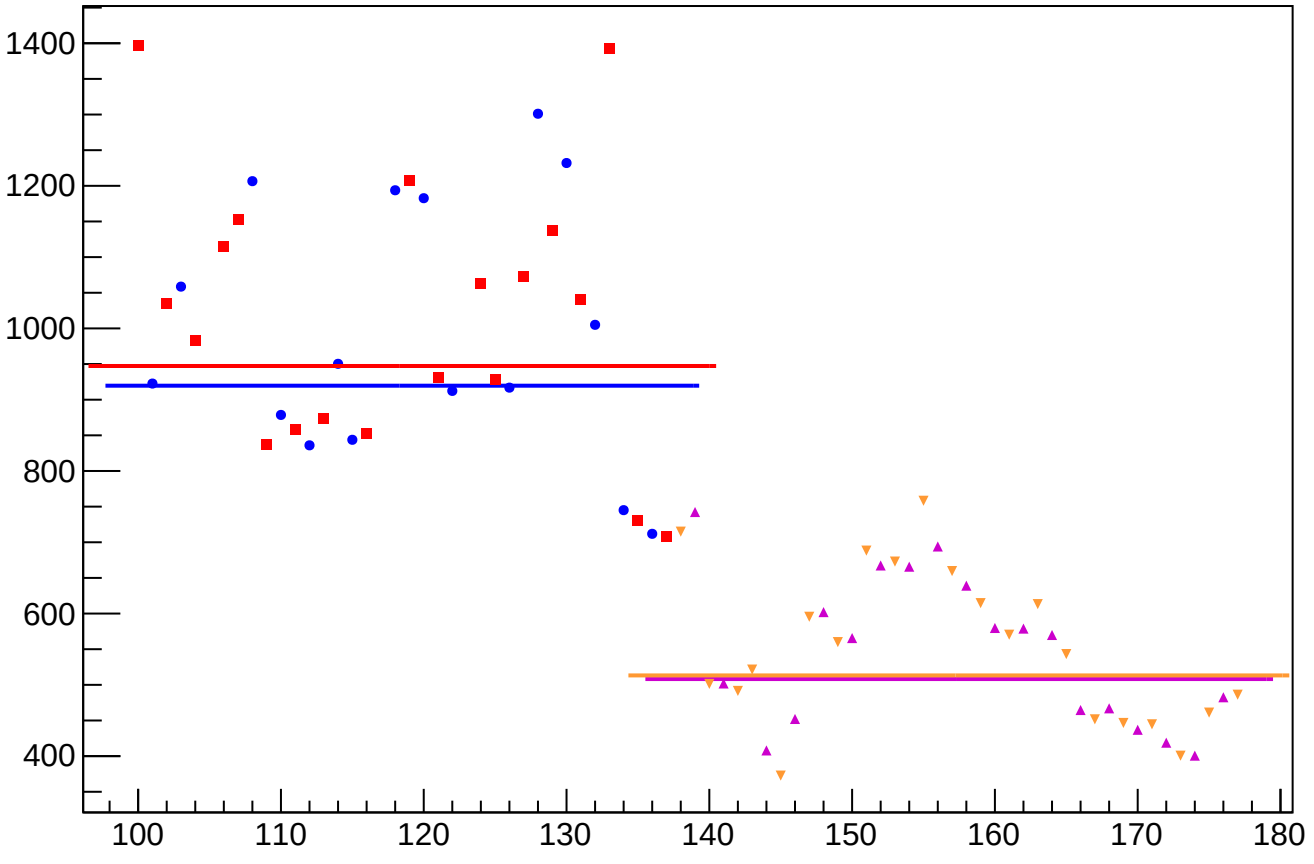
Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: -153.053+/-131.660 χ^2/NDF:19.3/18

\+ sign -644.273+/-120.477 χ^2/NDF: 79.7/36

All: -438.832+/-86.185 χ^2/NDF: 118.7/74

\- sign -223.507+/-123.341 χ^2/NDF: 33.1/37



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 513.227+/-0.091 χ^2/NDF:1216396.1/20

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

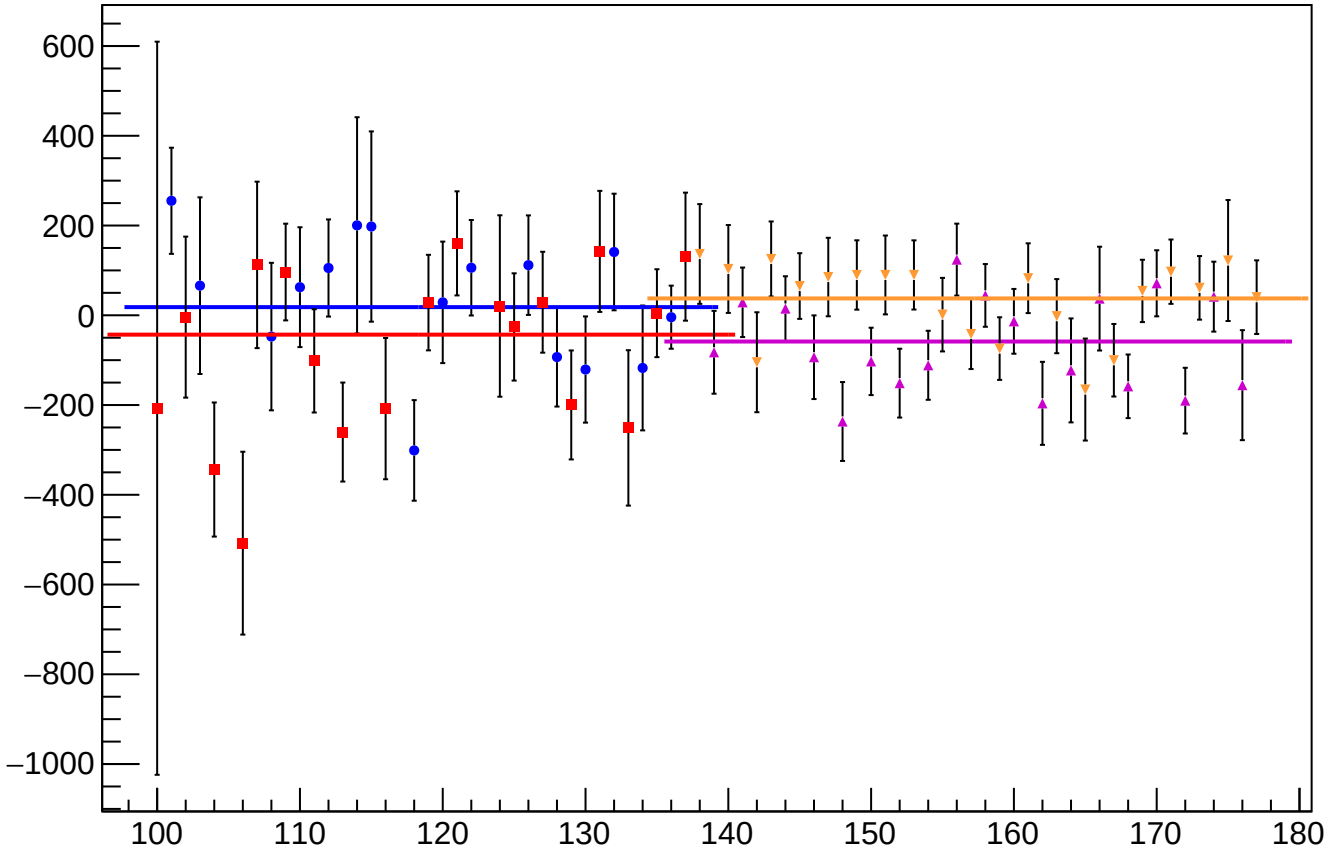
Left In: 508.131+/-0.093 χ^2/NDF:1075992.2/18

+ sign 561.361+/-0.085 χ^2/NDF: 4108092.7/36

All: 561.611+/-0.061 χ^2/NDF: 8332644.1/74

- sign 561.874+/-0.087 χ^2/NDF: 4224533.7/37

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.563+/-18.085 χ^2/NDF:17.4/20

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

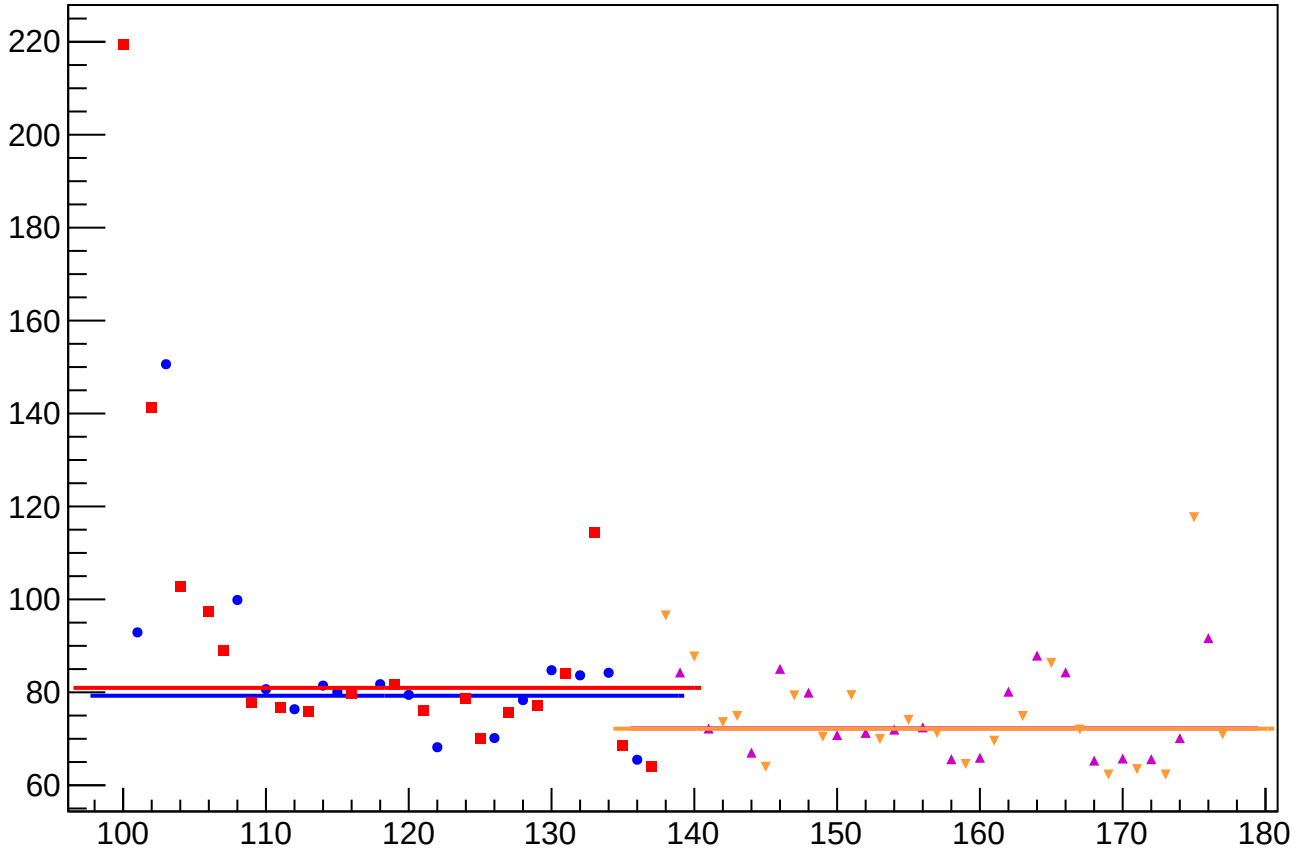
Left In: -58.477+/-18.707 χ^2/NDF:30.5/18

+ sign 32.482+/-15.536 χ^2/NDF: 37.8/36

All: -9.709+/-11.138 χ^2/NDF: 111.4/74

- sign -54.326+/-15.976 χ^2/NDF: 58.4/37

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 72.171+/-0.013 χ^2/NDF:601204.3/20

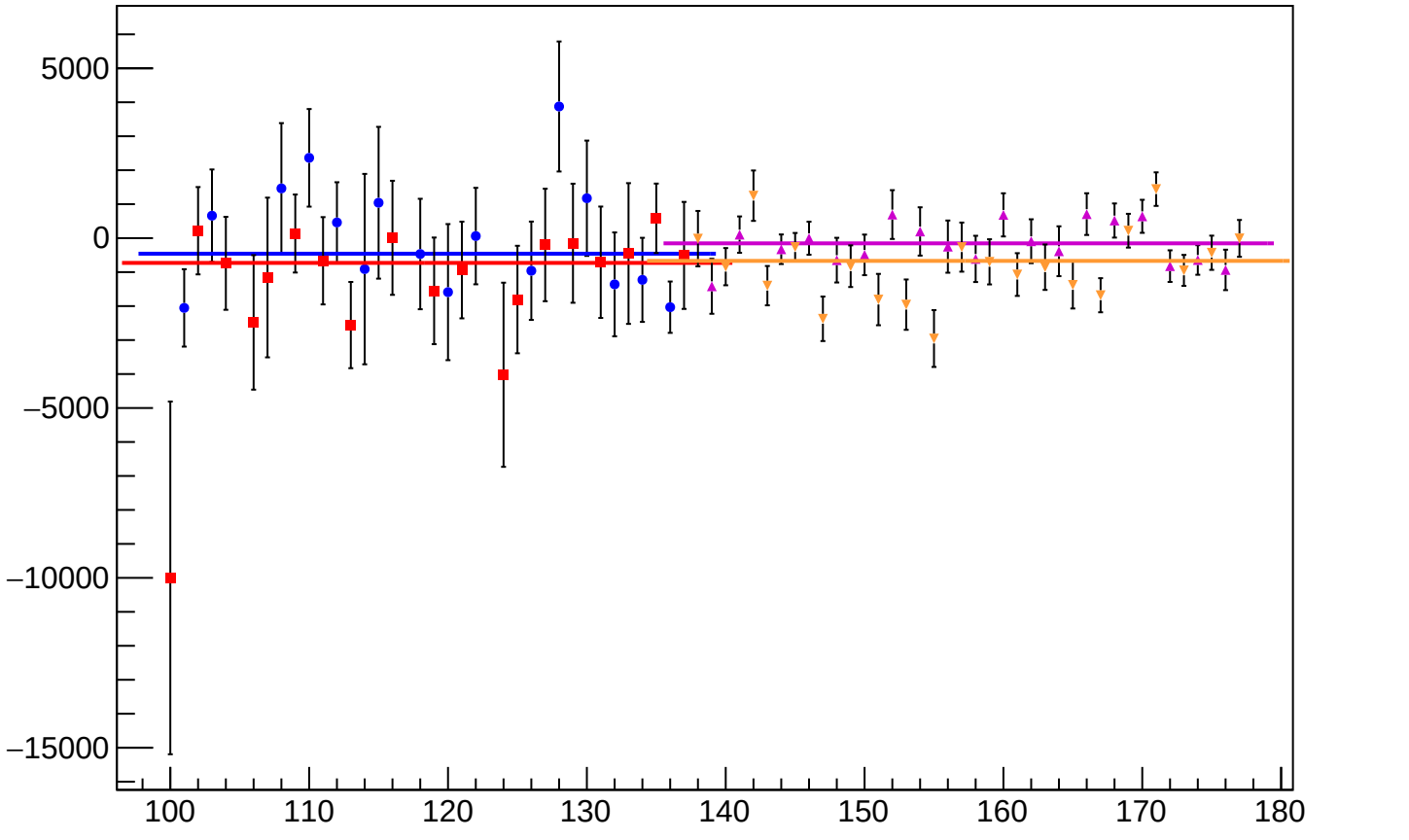
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.245+/-0.013 χ^2/NDF:307643.8/18

+ sign 74.029+/-0.011 χ^2/NDF: 1126762.7/36

All: 74.309+/-0.008 χ^2/NDF: 2067360.3/74

- sign 74.604+/-0.011 χ^2/NDF: 939269.2/37



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -669.284+/-128.315 χ^2/NDF:59.1/20

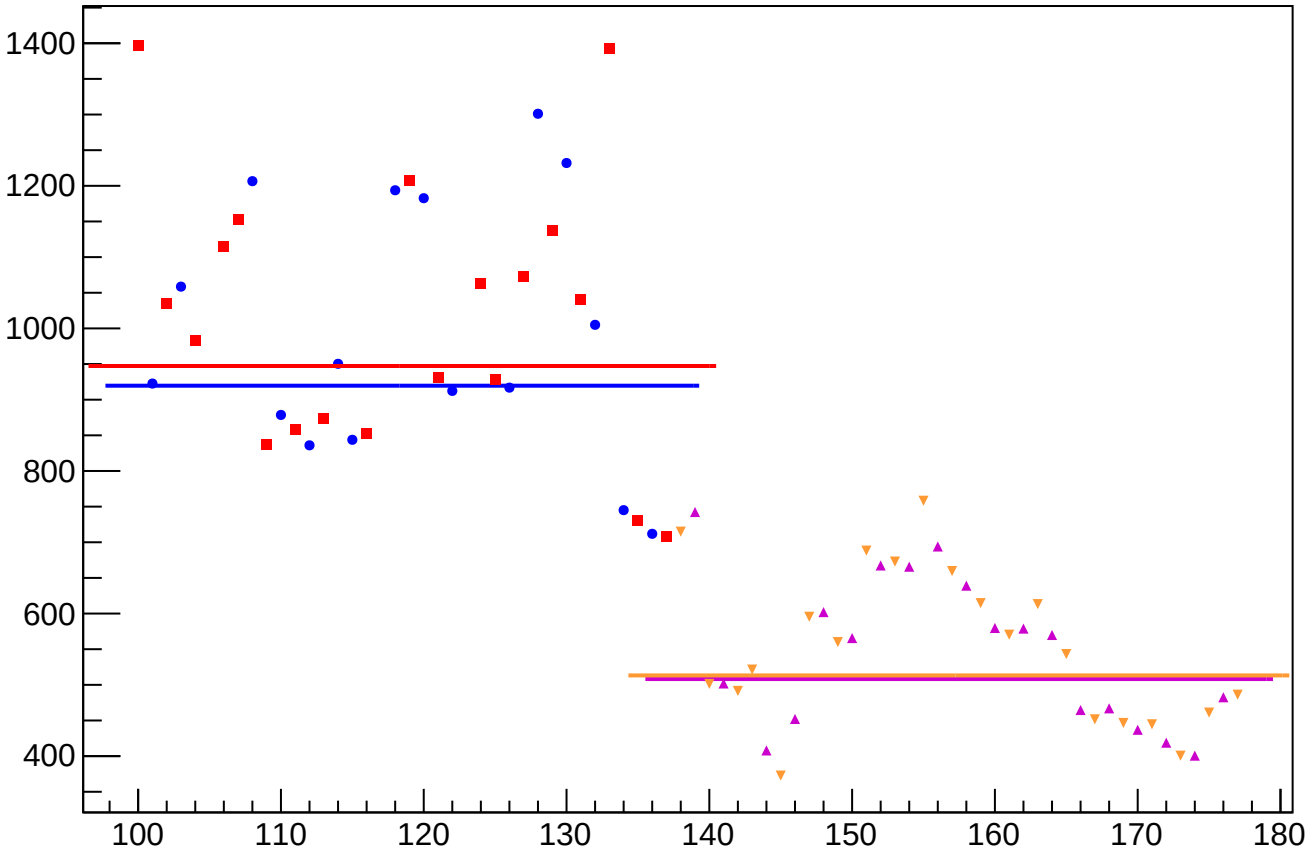
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -153.052+/-131.660 χ^2/NDF:19.3/18

+ sign -644.272+/-120.477 χ^2/NDF: 79.7/36

All: -438.831+/-86.185 χ^2/NDF: 118.7/74

- sign -223.506+/-123.341 χ^2/NDF: 33.1/37



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 513.226+/-0.091 χ^2/NDF:1216399.3/20

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

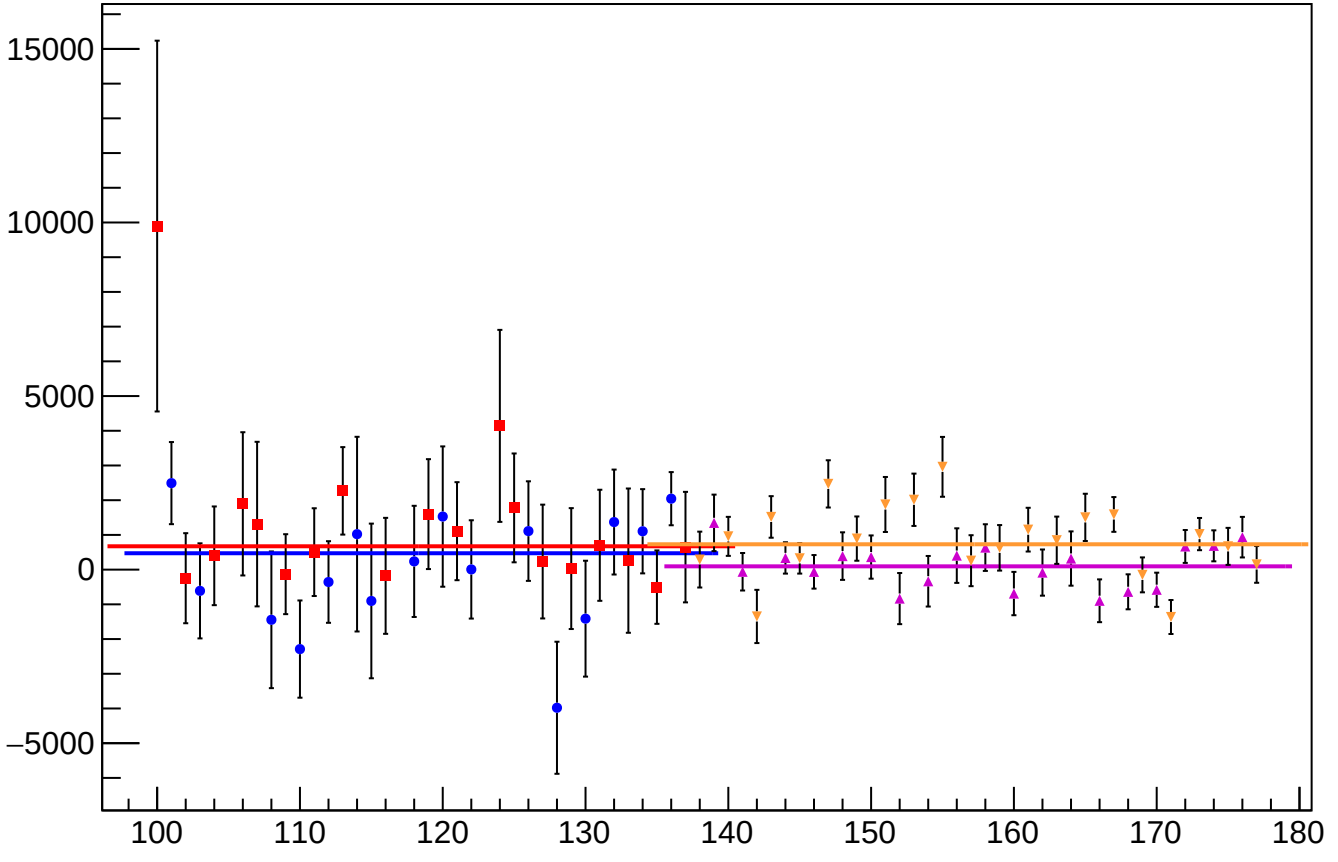
Left In: 508.130+/-0.093 χ^2/NDF:1075992.1/18

+ sign 561.360+/-0.085 χ^2/NDF: 4108093.0/36

All: 561.611+/-0.061 χ^2/NDF: 8332640.1/74

- sign 561.873+/-0.087 χ^2/NDF: 4224529.4/37

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 730.340+/-130.691 χ^2/NDF:56.8/20

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

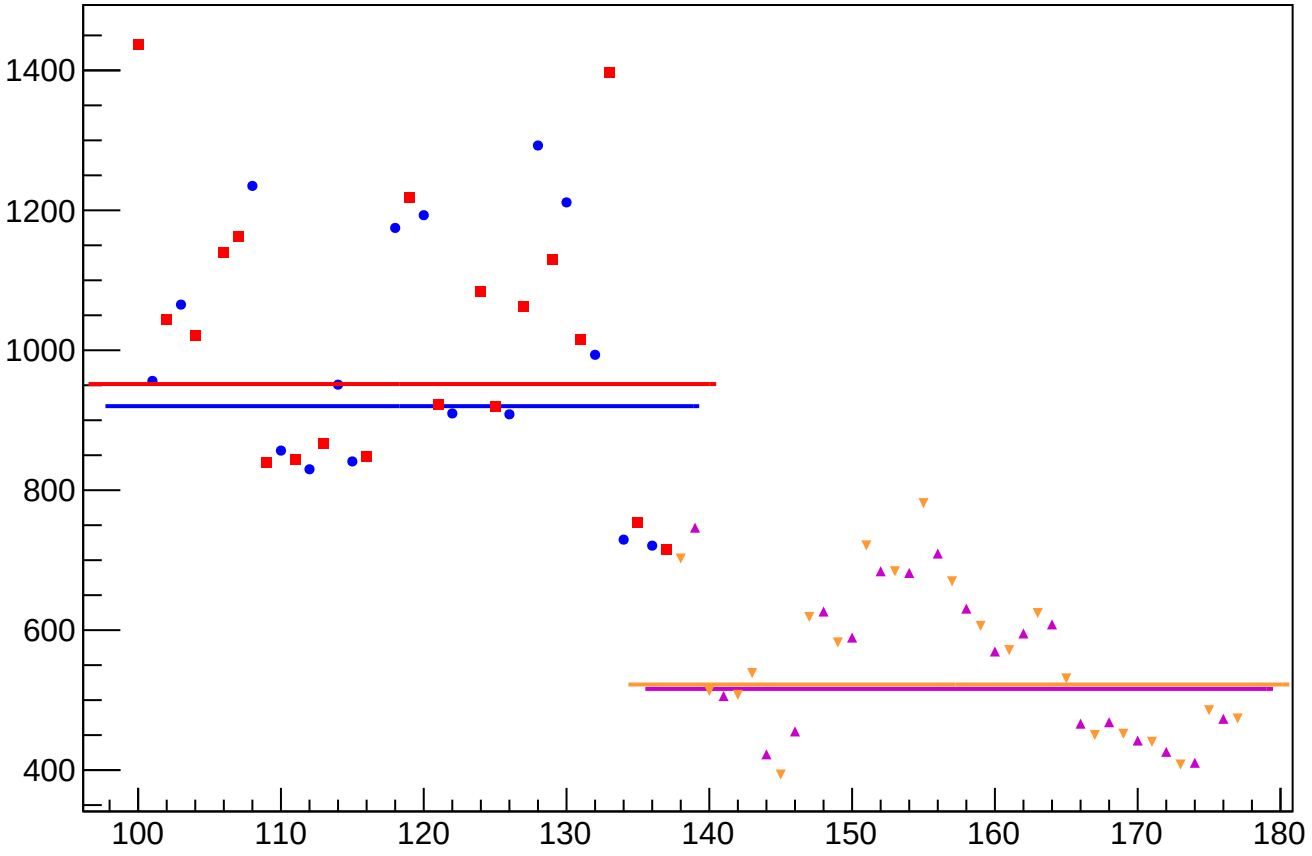
Left In: 94.790+/-133.696 χ^2/NDF:19.6/18

+ sign 698.789+/-122.450 χ^2/NDF: 78.8/36

All: 438.443+/-87.506 χ^2/NDF: 120.2/74

- sign 166.728+/-125.095 χ^2/NDF: 32.2/37

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 522.315+/-0.092 χ^2/NDF:1185841.5/20

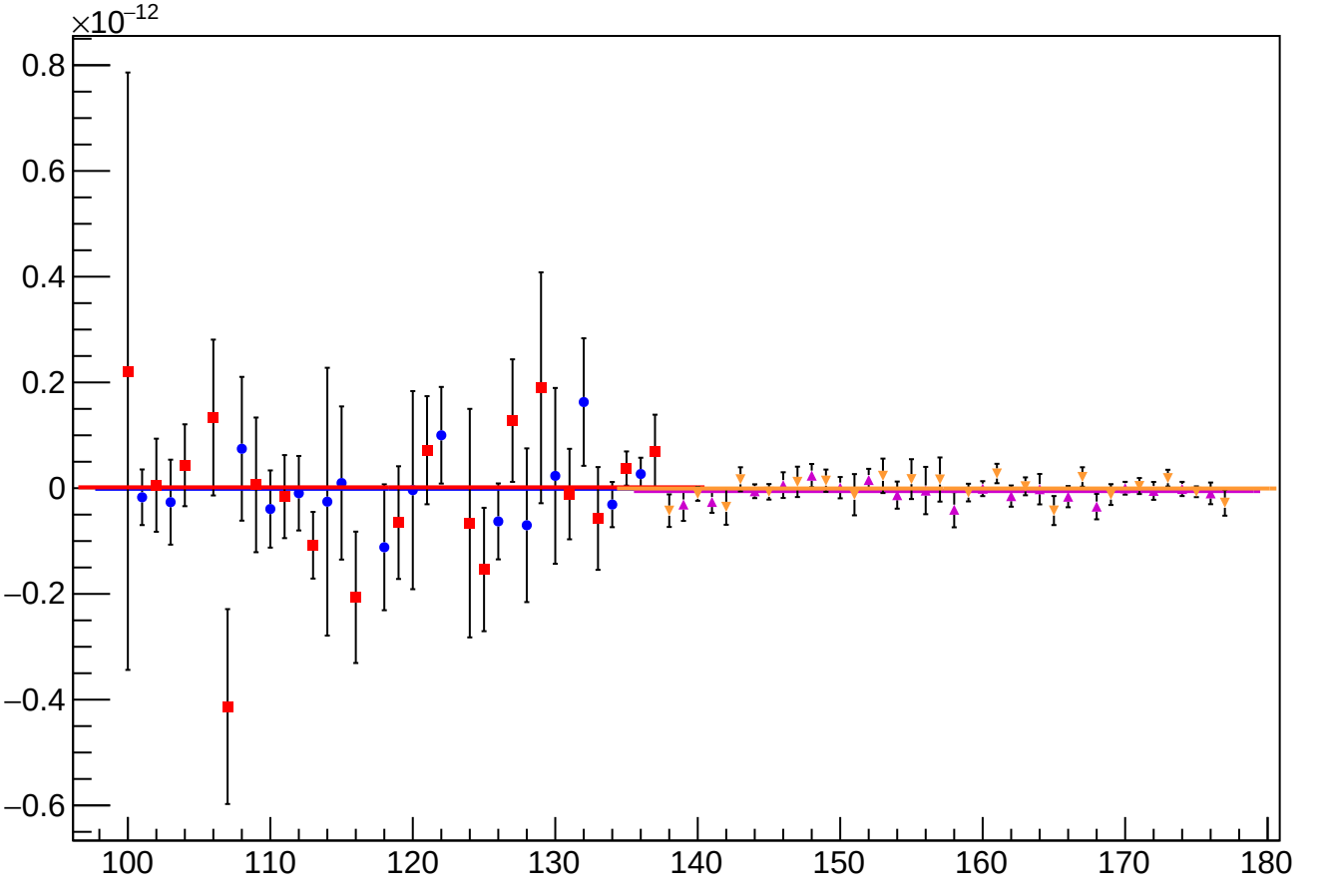
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 516.012+/-0.095 χ^2/NDF:1086853.2/18

+ sign 570.903+/-0.087 χ^2/NDF: 3957807.1/36

All: 570.591+/-0.062 χ^2/NDF: 8105773.9/74

- sign 570.264+/-0.088 χ^2/NDF: 4147940.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/20

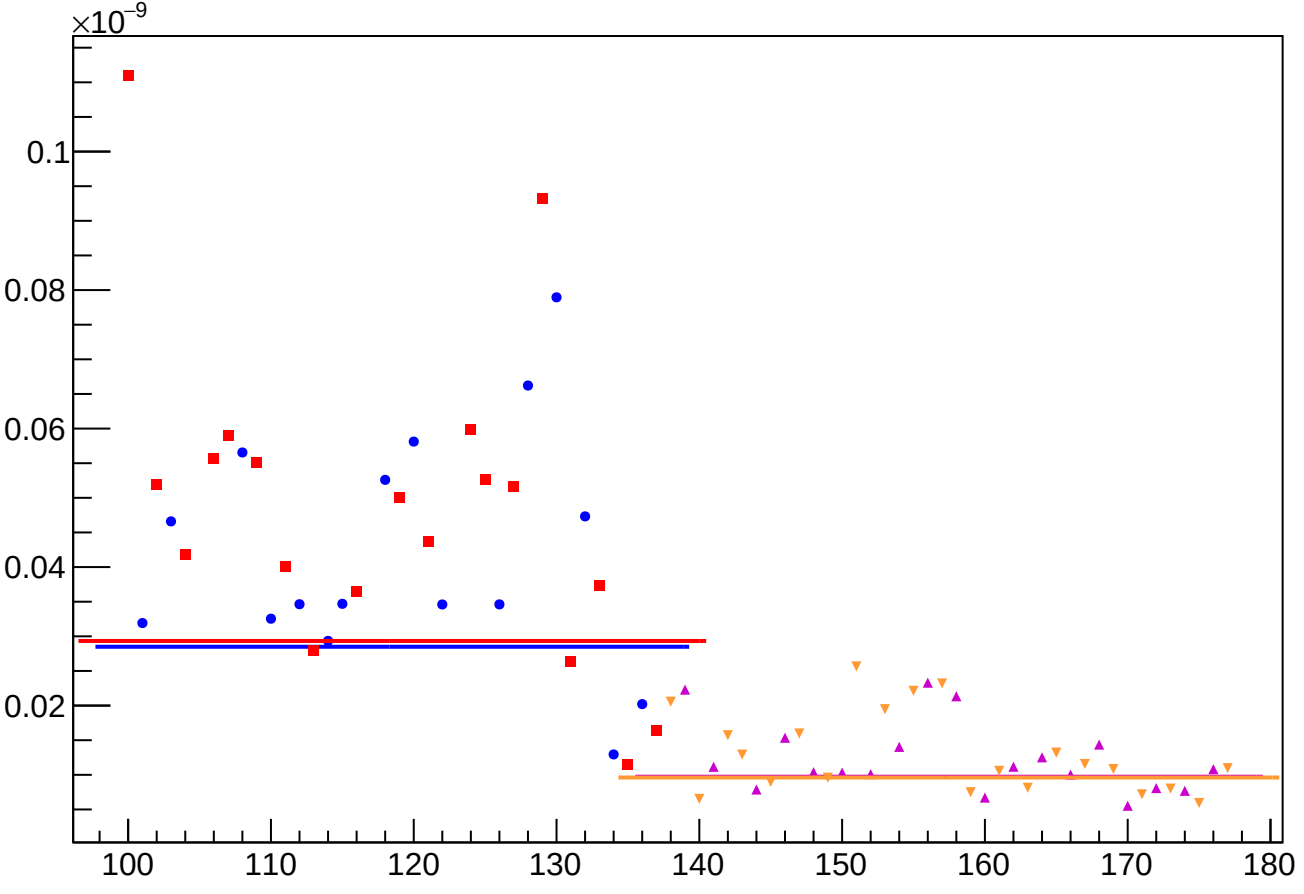
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/18

+ sign -0.000+/-0.000 χ^2/NDF: 22.9/36

All: -0.000+/-0.000 χ^2/NDF: 51.4/74

- sign -0.000+/-0.000 χ^2/NDF: 27.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1984267.5/20

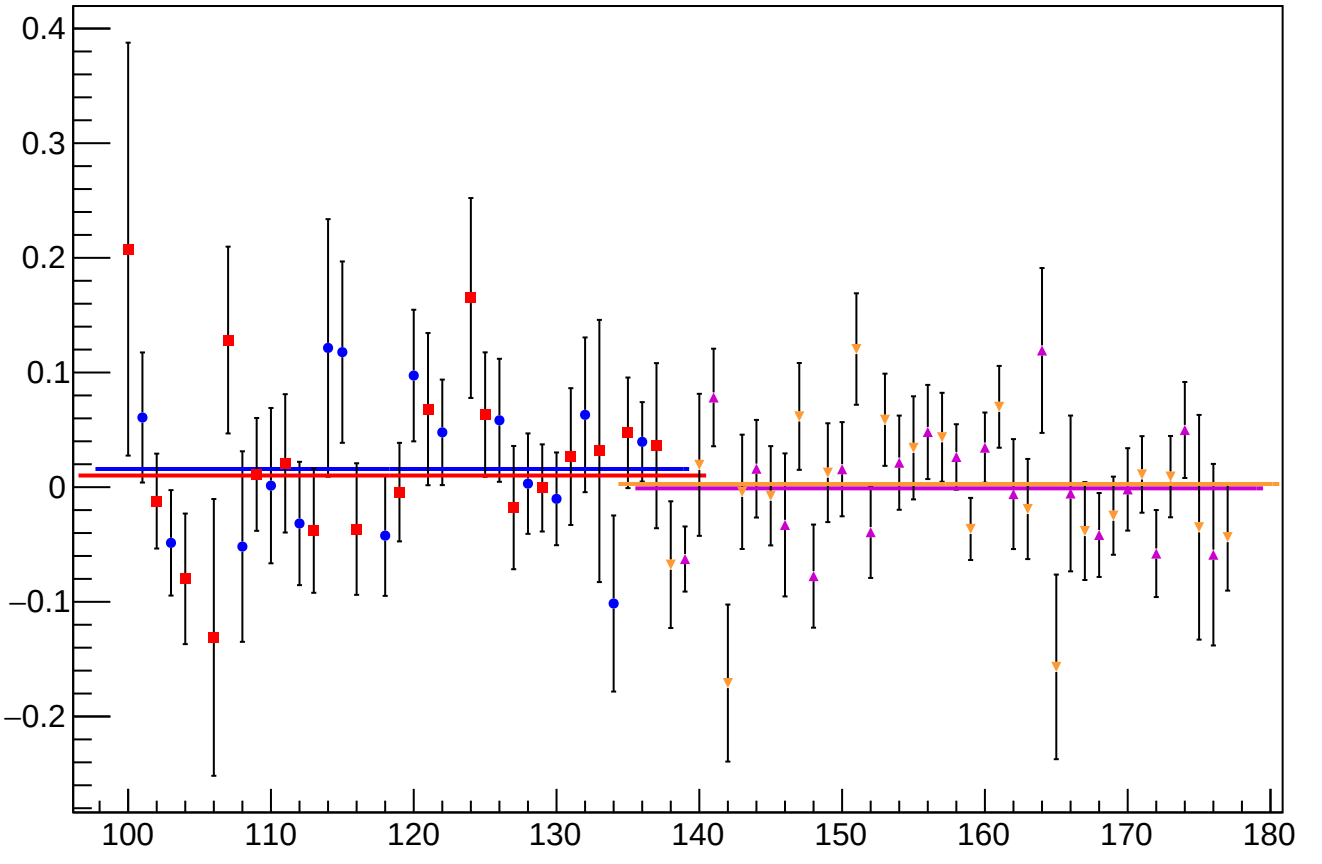
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1478175.8/18

+ sign 0.000+/-0.000 χ^2/NDF: 5290237.1/36

All: 0.000+/-0.000 χ^2/NDF: 10385151.2/74

- sign 0.000+/-0.000 χ^2/NDF: 5094459.6/37



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/20

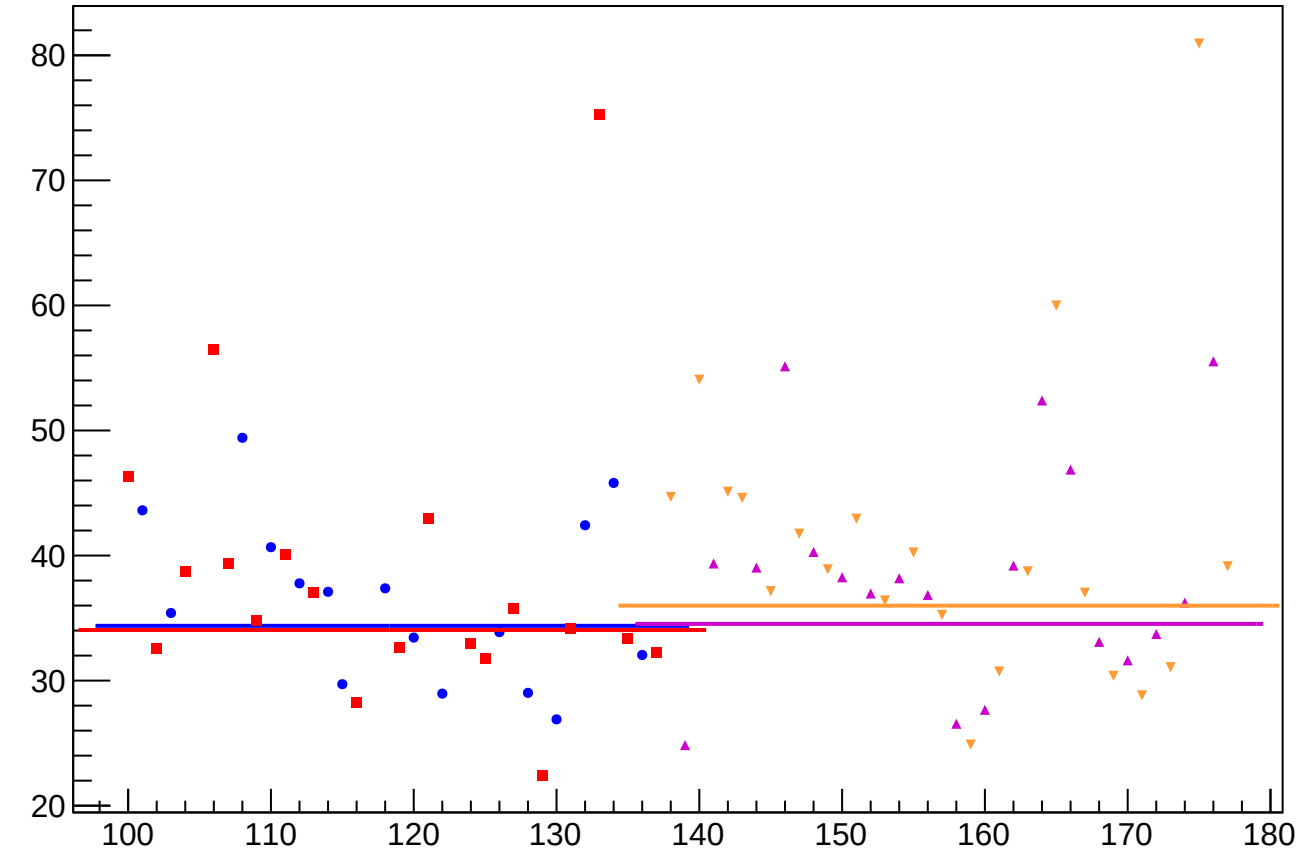
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.009 χ^2/NDF:24.9/18

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/36

All: 0.005+/-0.005 χ^2/NDF: 88.0/74

- sign 0.003+/-0.008 χ^2/NDF: 40.5/37



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597078.0/20

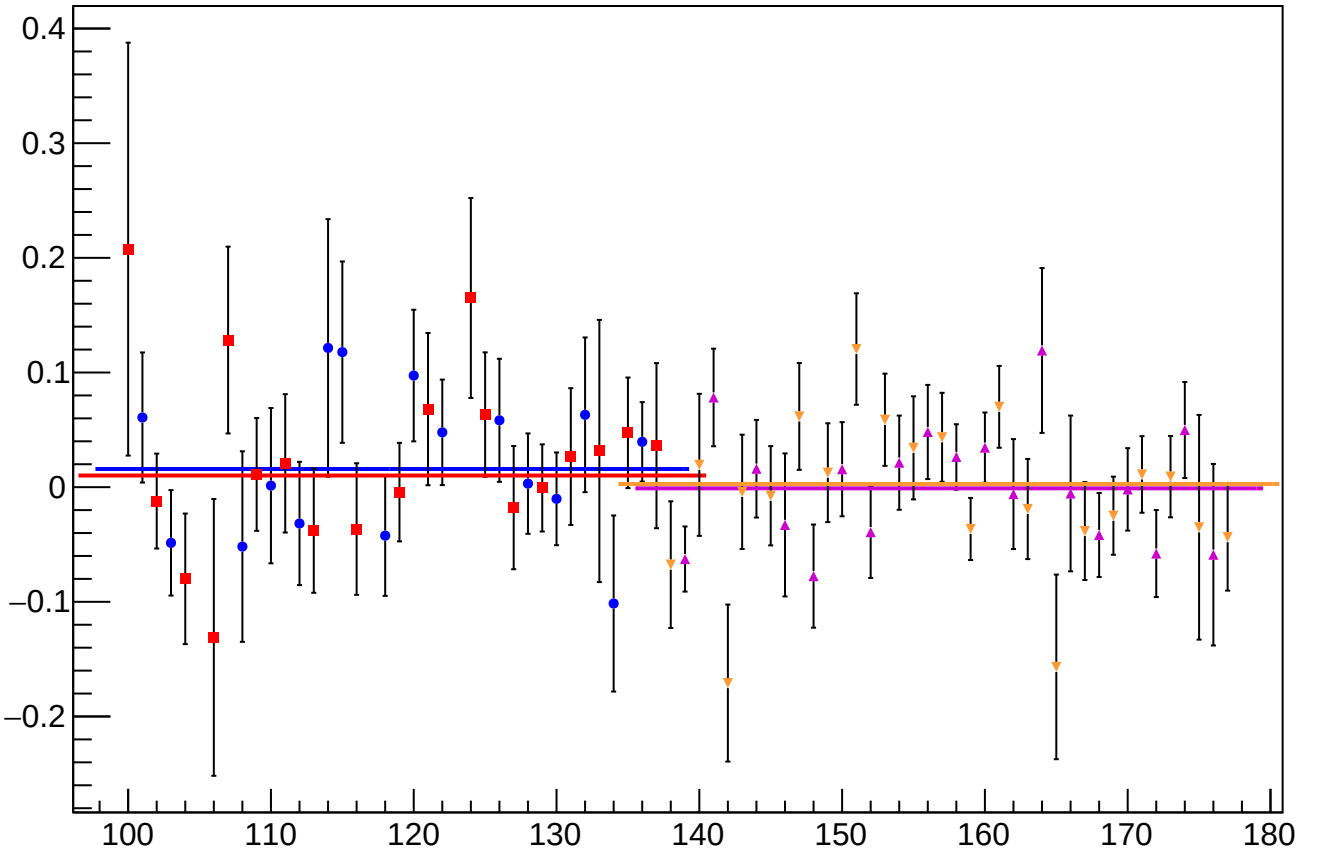
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.537+/-0.007 χ^2/NDF:1204824.2/18

+ sign 35.465+/-0.005 χ^2/NDF: 1984426.8/36

All: 34.915+/-0.004 χ^2/NDF: 3854191.7/74

- sign 34.375+/-0.005 χ^2/NDF: 1849359.3/37



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/20

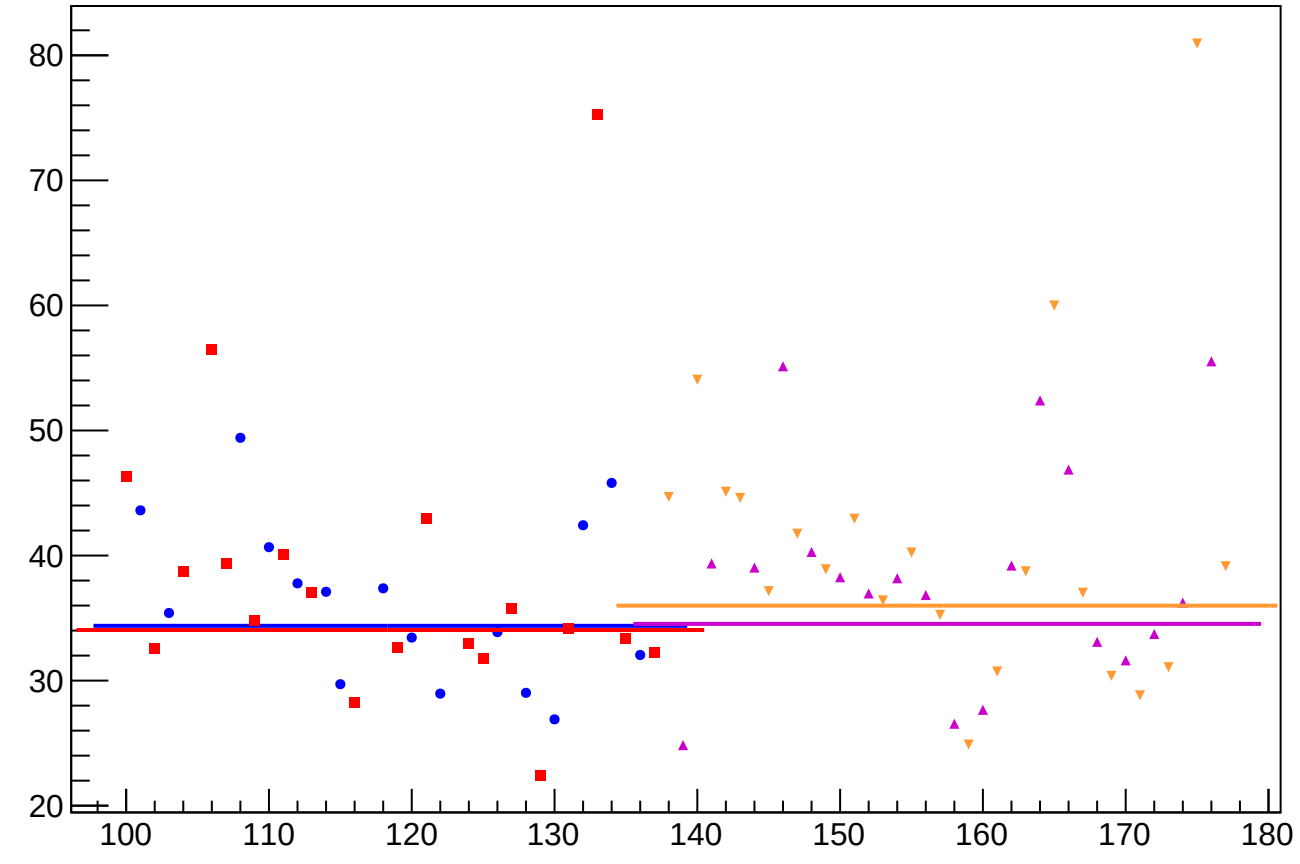
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.009 χ^2/NDF:24.9/18

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/36

All: 0.005+/-0.005 χ^2/NDF: 88.0/74

- sign 0.003+/-0.008 χ^2/NDF: 40.5/37



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597078.0/20

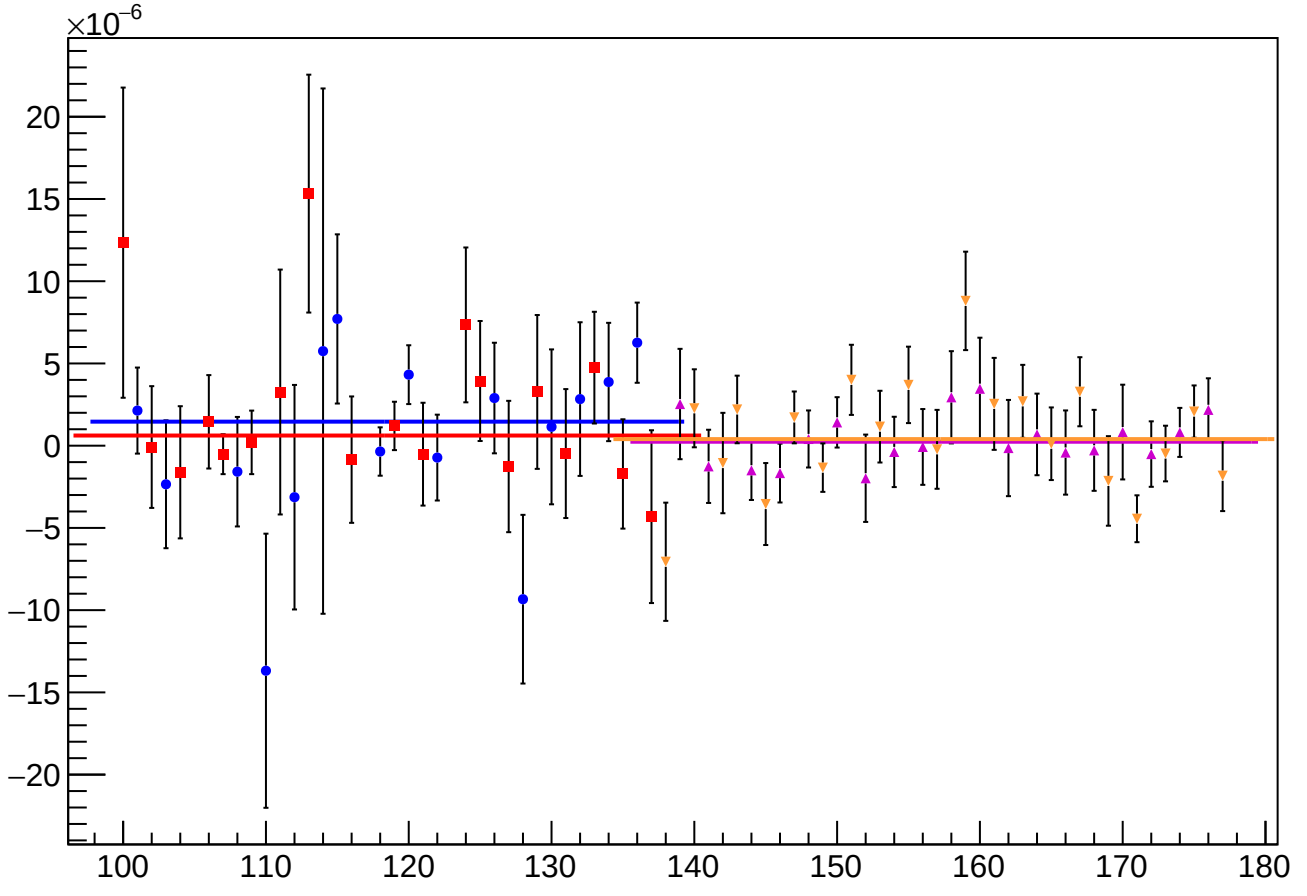
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.537+/-0.007 χ^2/NDF:1204824.2/18

+ sign 35.465+/-0.005 χ^2/NDF: 1984426.8/36

All: 34.915+/-0.004 χ^2/NDF: 3854191.7/74

- sign 34.375+/-0.005 χ^2/NDF: 1849359.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.9/20

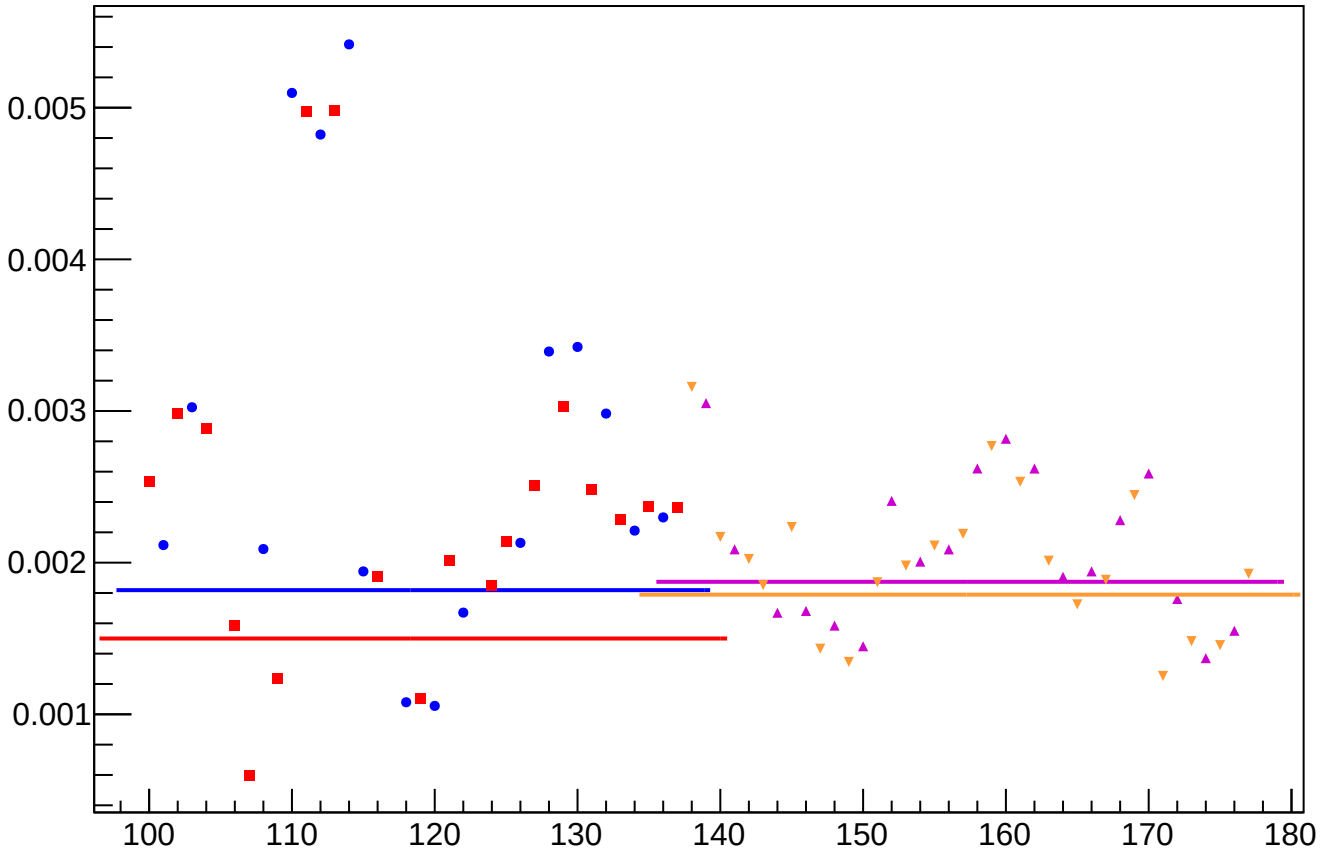
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/18

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/36

All: 0.000+/-0.000 χ^2/NDF: 86.7/74

- sign 0.000+/-0.000 χ^2/NDF: 22.0/37



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1759678.5/20

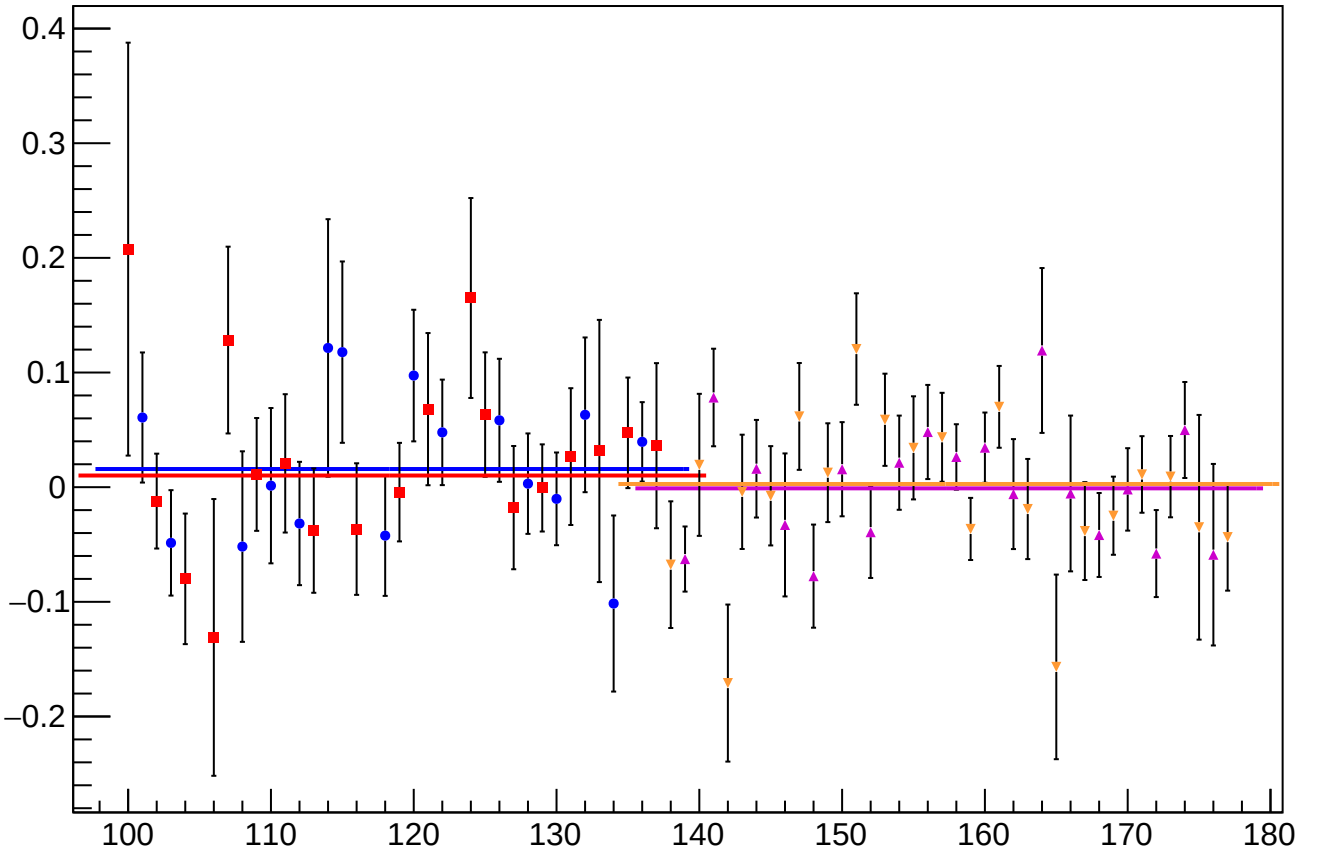
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1556670.9/18

+ sign 0.002+/-0.000 χ^2/NDF: 4332195.7/36

All: 0.002+/-0.000 χ^2/NDF: 10026394.9/74

- sign 0.002+/-0.000 χ^2/NDF: 5670306.7/37



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/20

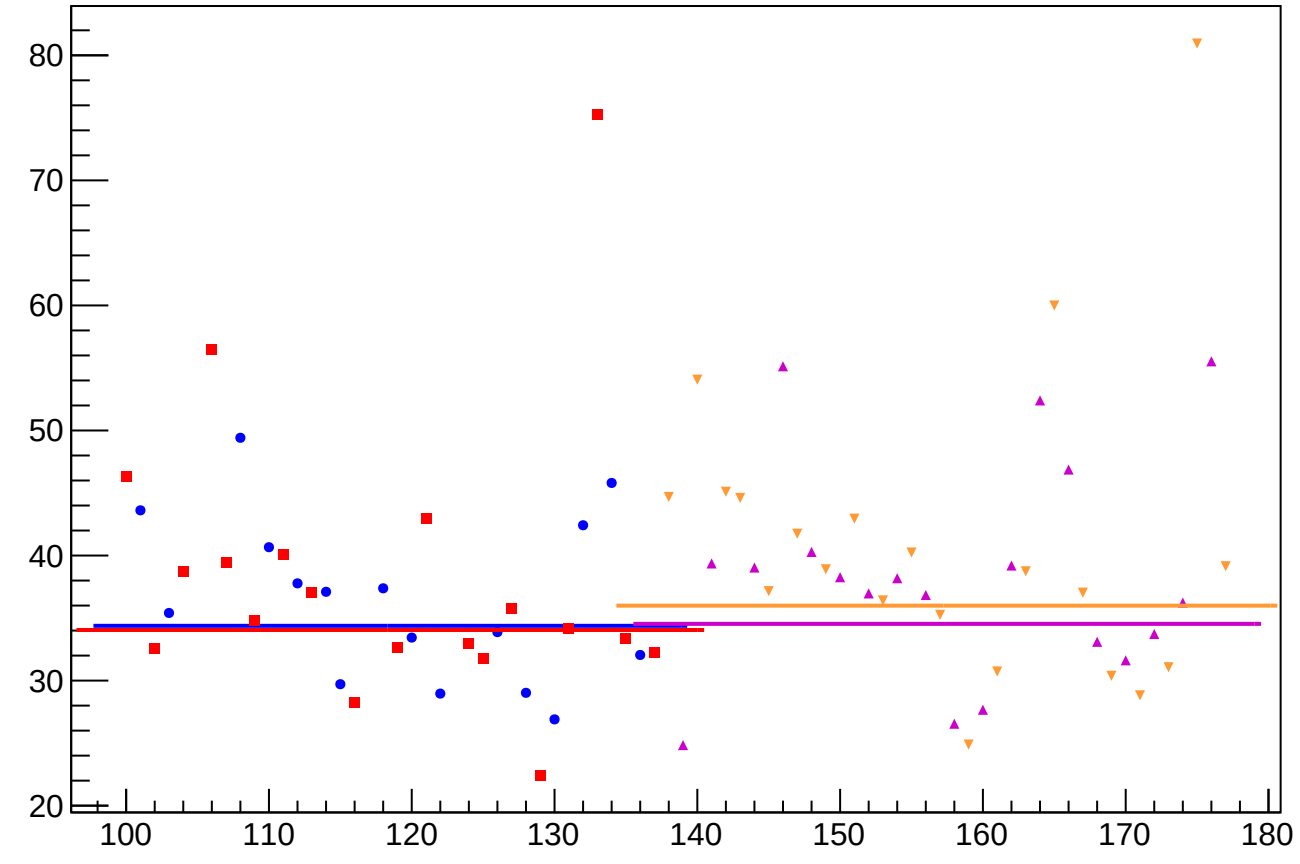
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.009 χ^2/NDF:24.9/18

+ sign 0.007+/-0.008 χ^2/NDF: 47.3/36

All: 0.005+/-0.005 χ^2/NDF: 88.0/74

- sign 0.003+/-0.008 χ^2/NDF: 40.5/37



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597134.5/20

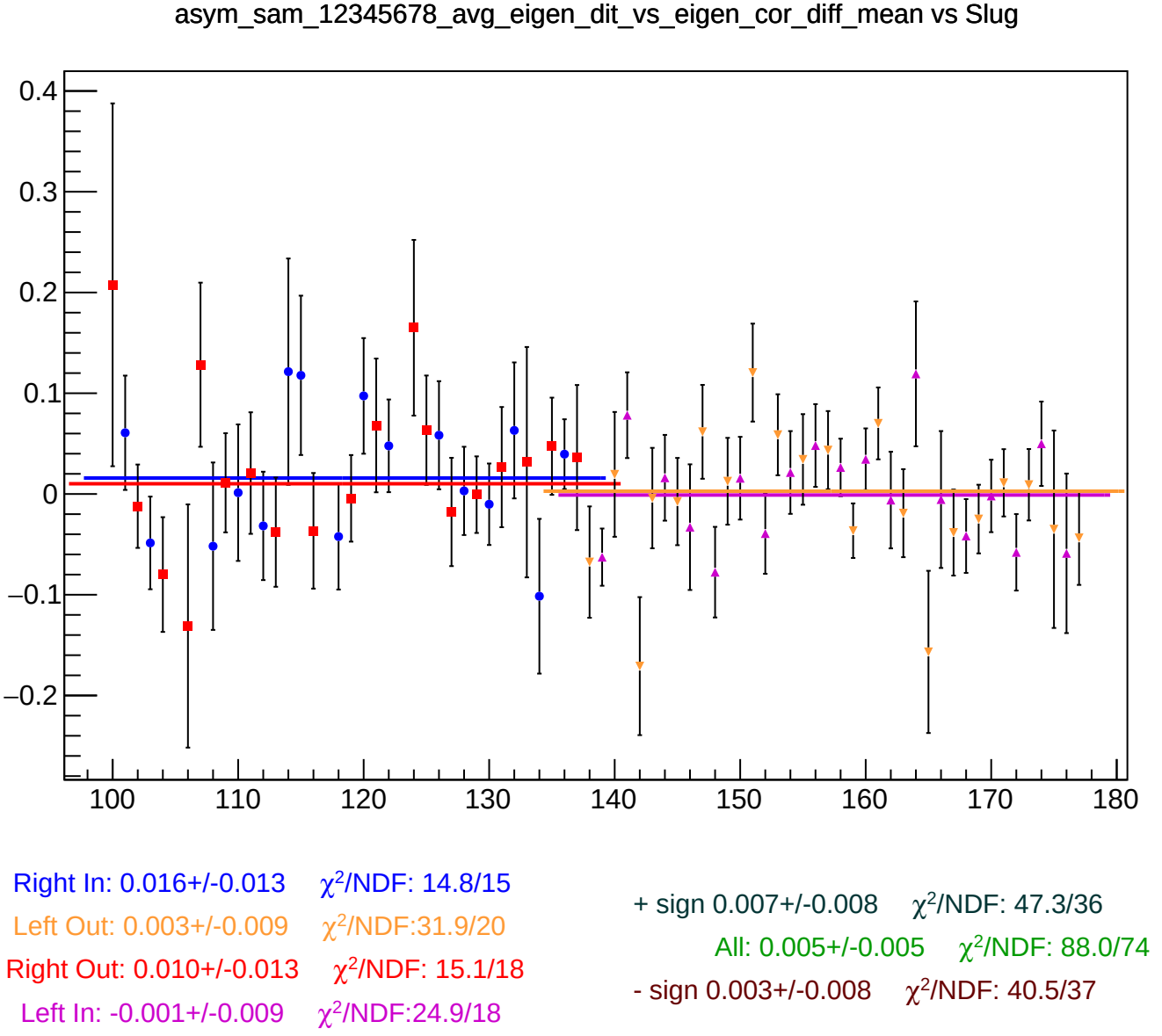
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

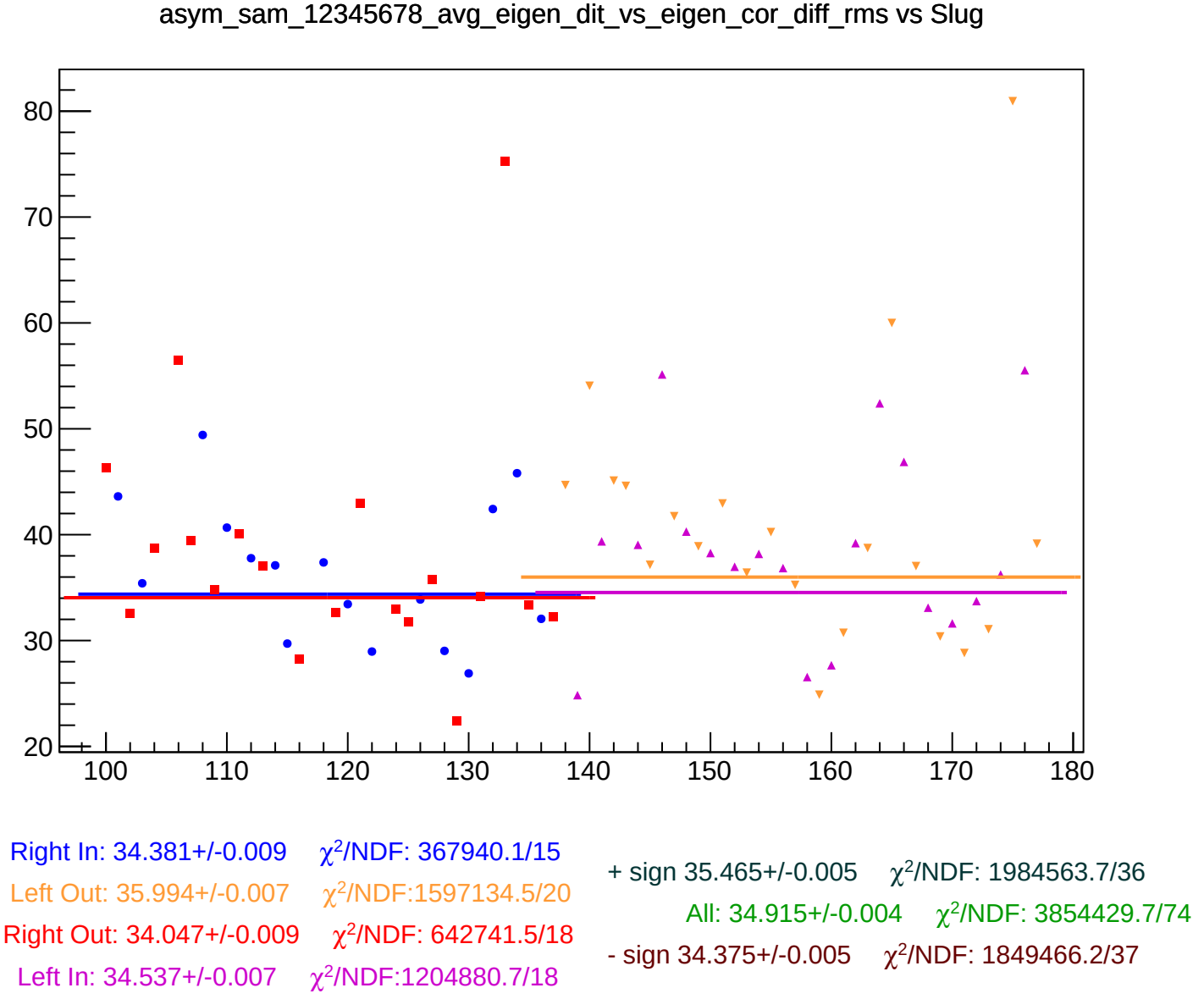
Left In: 34.537+/-0.007 χ^2/NDF:1204880.7/18

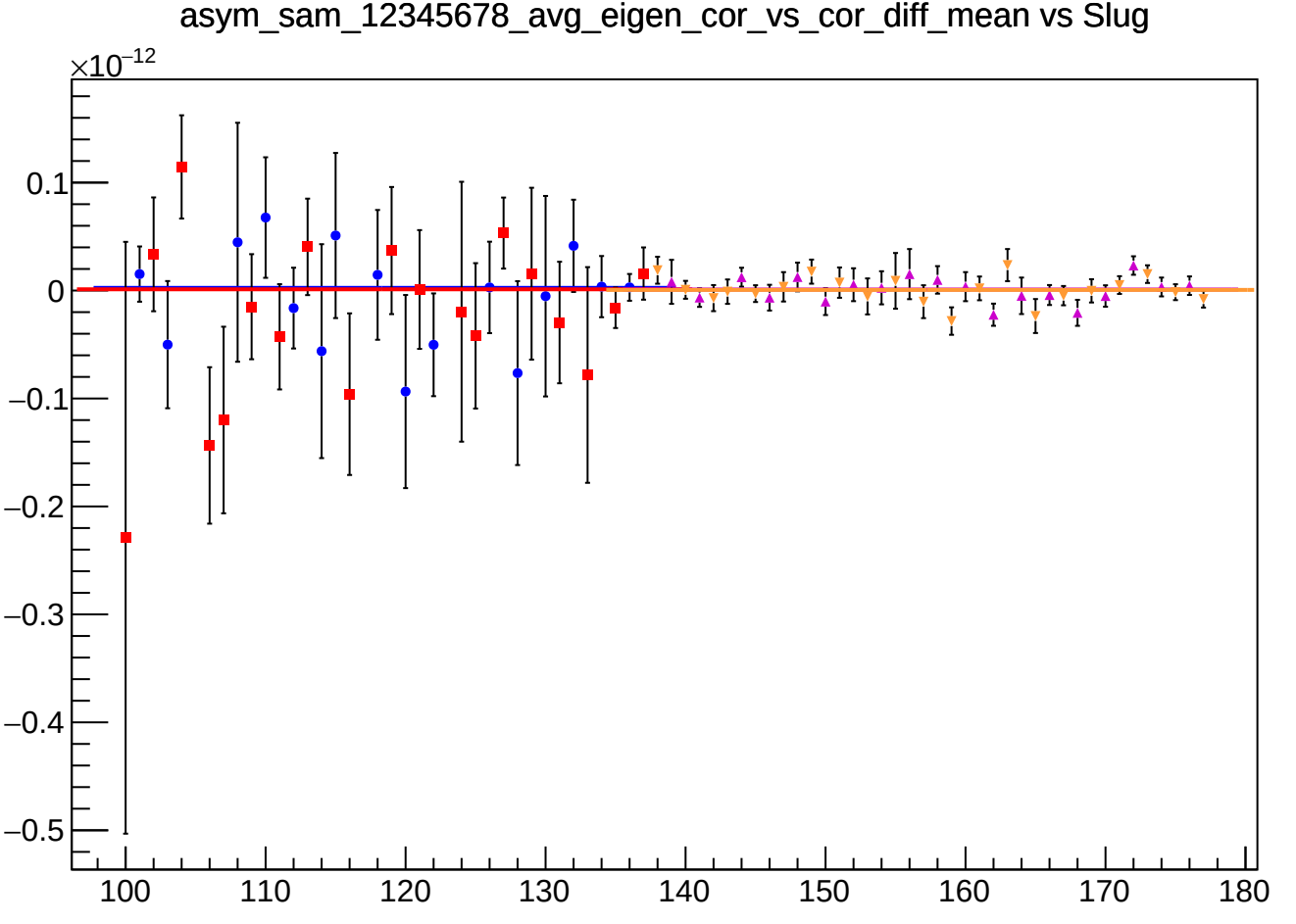
+ sign 35.465+/-0.005 χ^2/NDF: 1984563.7/36

All: 34.915+/-0.004 χ^2/NDF: 3854429.7/74

- sign 34.375+/-0.005 χ^2/NDF: 1849466.2/37


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
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:31.9/20
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.001+/-0.009 χ²/NDF:24.9/18
+ sign 0.007+/-0.008 χ²/NDF: 47.3/36
All: 0.005+/-0.005 χ²/NDF: 88.0/74
- sign 0.003+/-0.008 χ²/NDF: 40.5/37


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 35.994+/-0.007 χ²/NDF:1597134.5/20
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.537+/-0.007 χ²/NDF:1204880.7/18
+ sign 35.465+/-0.005 χ²/NDF: 1984563.7/36
All: 34.915+/-0.004 χ²/NDF: 3854429.7/74
- sign 34.375+/-0.005 χ²/NDF: 1849466.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/20

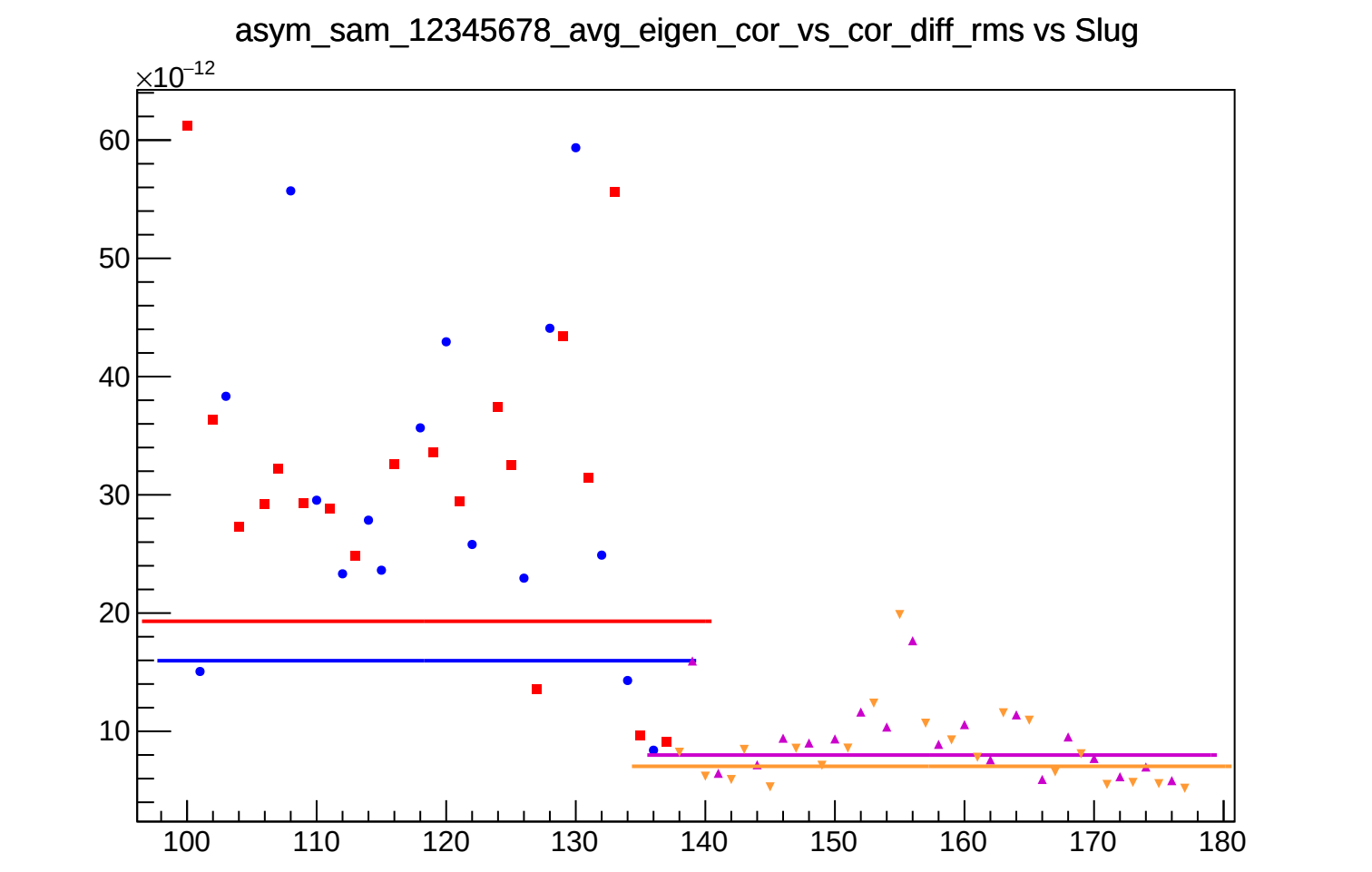
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:21.7/18

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/36

All: 0.000+/-0.000 χ^2/NDF: 72.0/74

- sign 0.000+/-0.000 χ^2/NDF: 43.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1771564.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

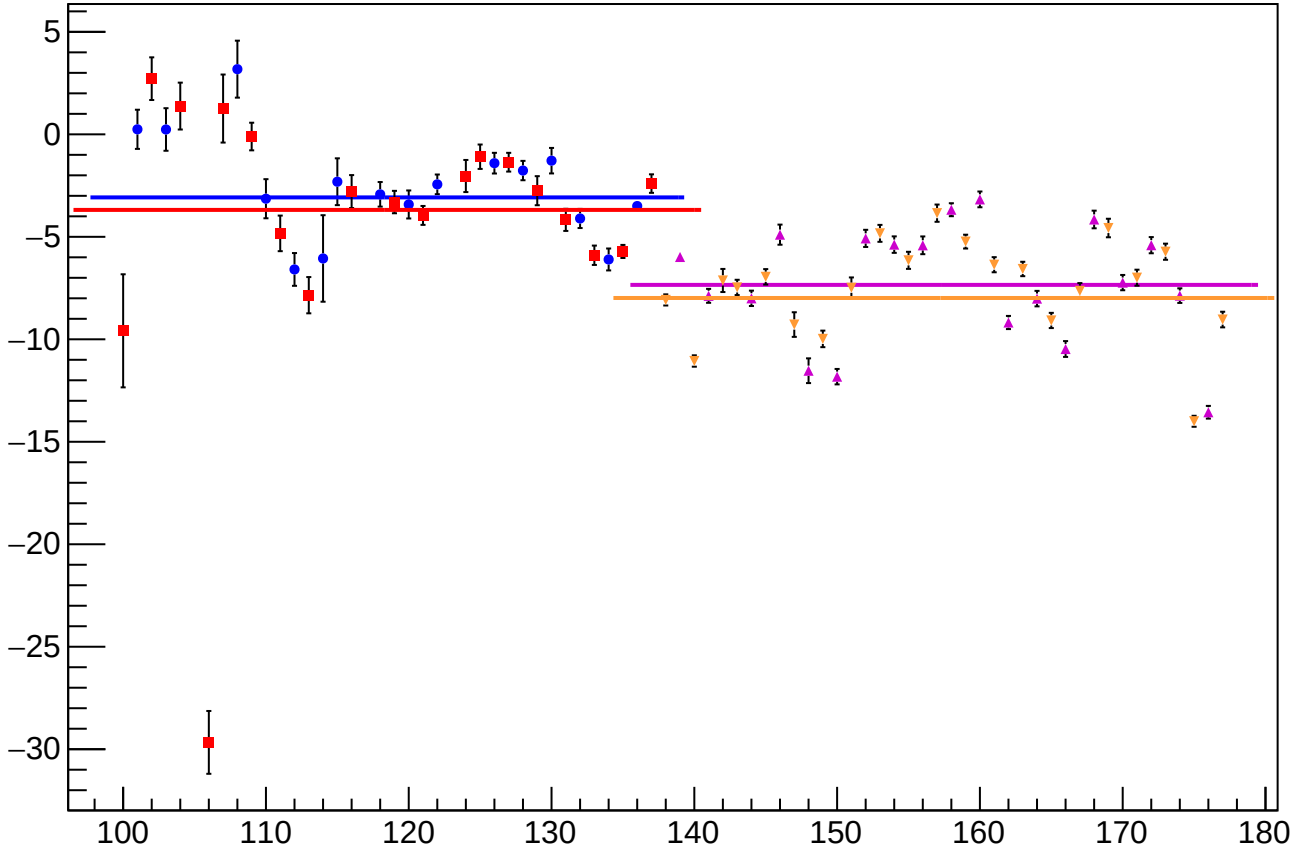
Left In: 0.000+/-0.000 χ^2/NDF:1505580.0/18

+ sign 0.000+/-0.000 χ^2/NDF: 6554535.4/36

All: 0.000+/-0.000 χ^2/NDF: 13009092.7/74

- sign 0.000+/-0.000 χ^2/NDF: 6259458.6/37

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.984+/-0.081 χ^2/NDF:1057.4/20

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

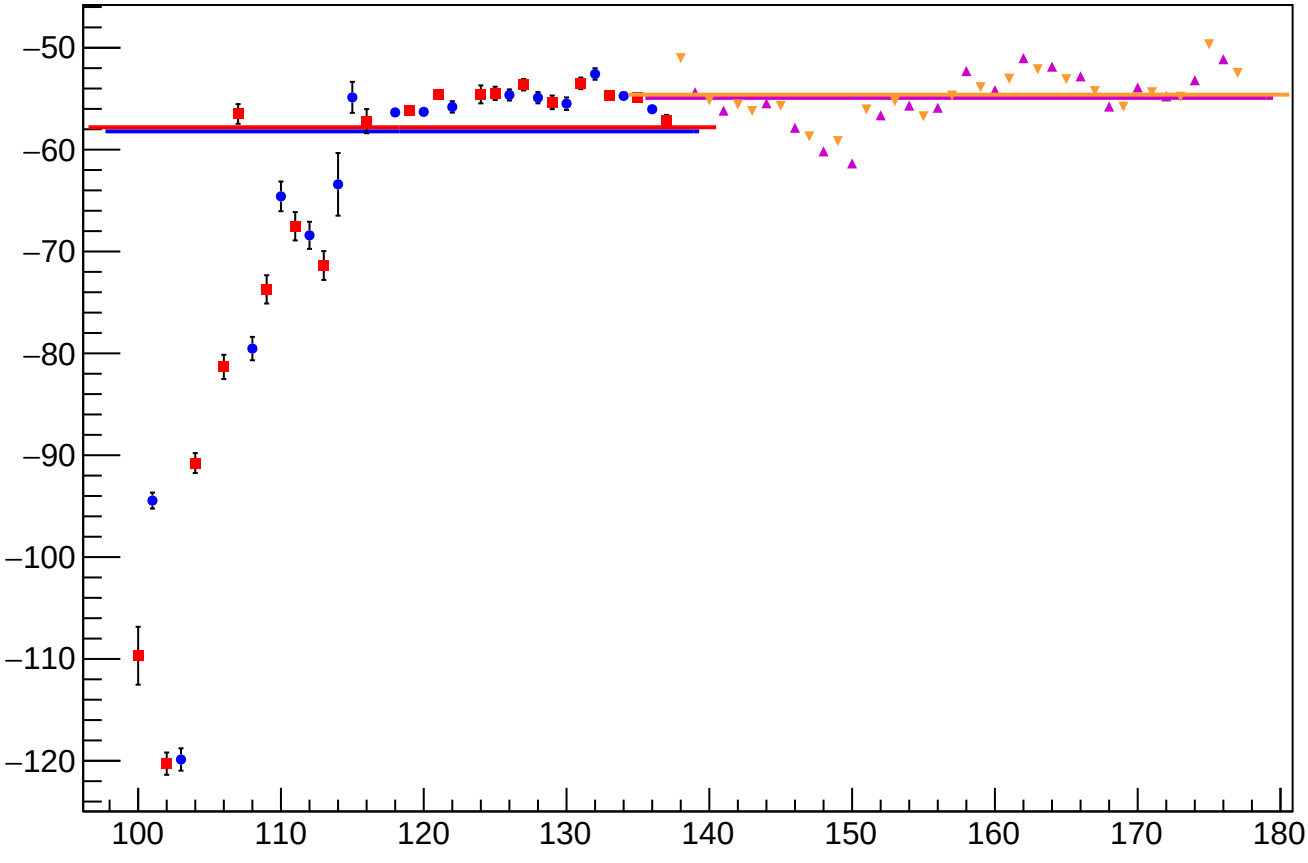
Left In: -7.345+/-0.084 χ^2/NDF:1161.6/18

+ sign -6.680+/-0.070 χ^2/NDF: 2158.2/36

All: -6.535+/-0.050 χ^2/NDF: 4364.7/74

- sign -6.379+/-0.072 χ^2/NDF: 2197.4/37

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.600+/-0.061 χ^2/NDF:1404.8/20

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

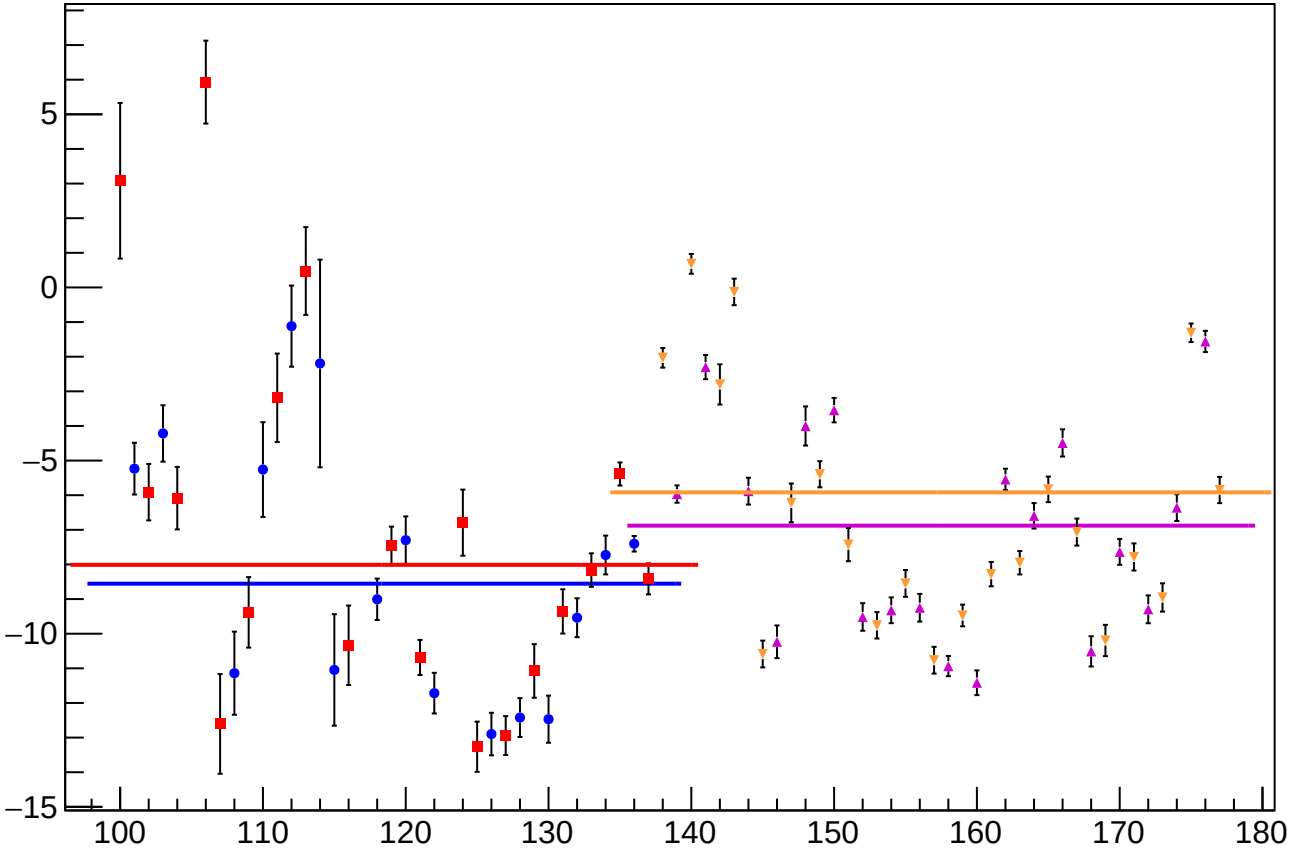
Left In: -54.917+/-0.065 χ^2/NDF:1914.2/18

+ sign -55.213+/-0.056 χ^2/NDF: 8118.4/36

All: -55.319+/-0.040 χ^2/NDF: 16189.2/74

- sign -55.436+/-0.059 χ^2/NDF: 8063.2/37

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.919+/-0.080 χ^2/NDF:2125.7/20

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

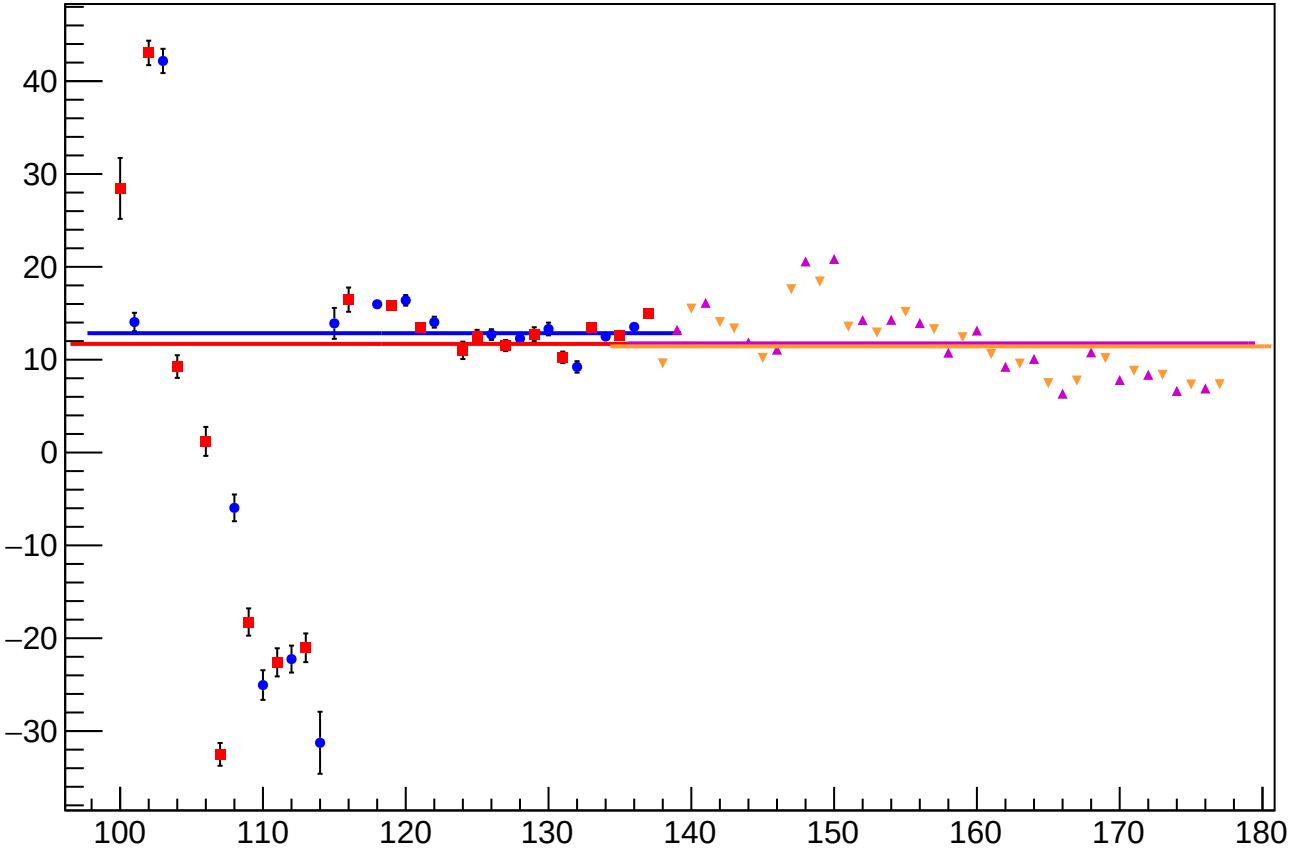
Left In: -6.879+/-0.083 χ^2/NDF:1304.2/18

+ sign -6.538+/-0.070 χ^2/NDF: 2680.3/36

All: -6.826+/-0.051 χ^2/NDF: 4551.2/74

- sign -7.135+/-0.073 χ^2/NDF: 1836.0/37

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.436+/-0.069 χ^2/NDF:2200.7/20

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

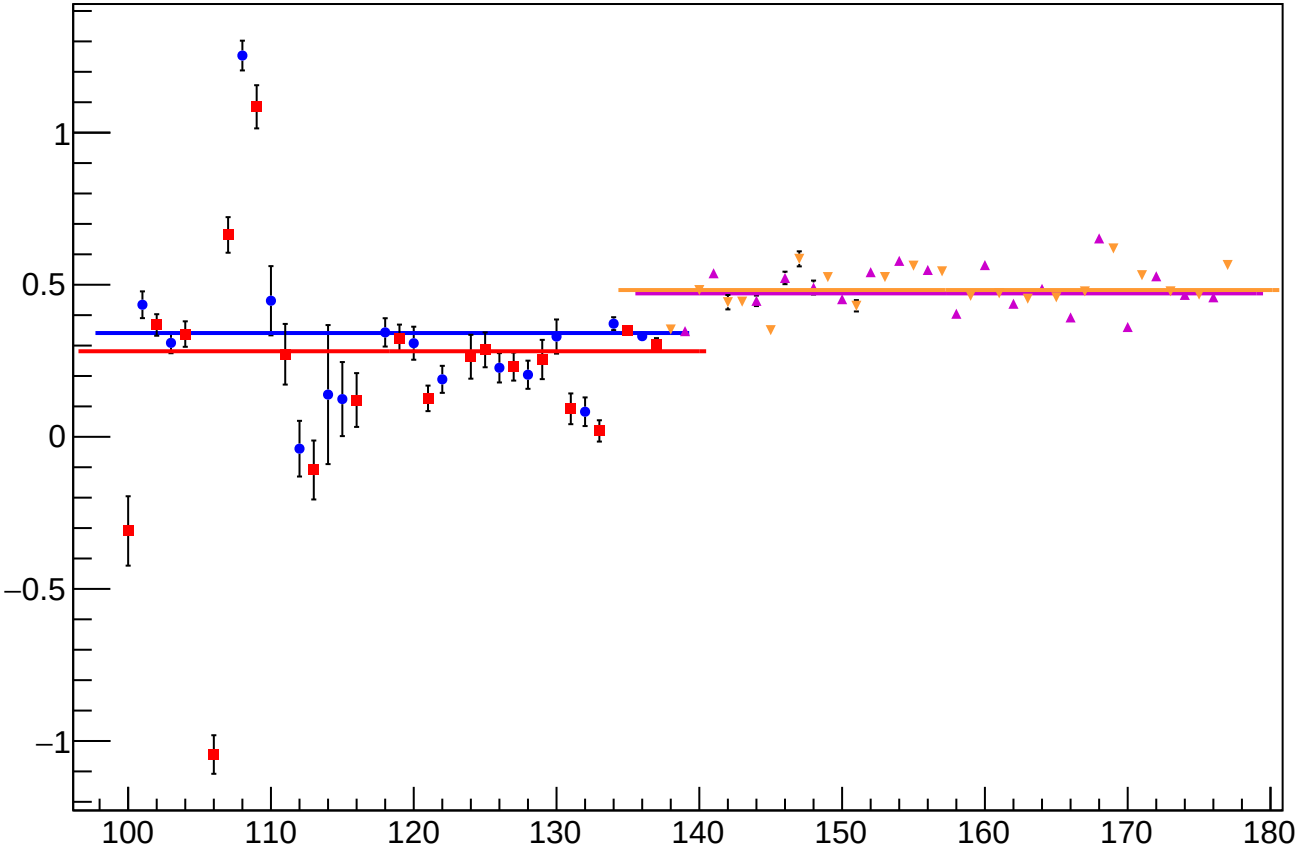
Left In: 11.755+/-0.072 χ^2/NDF:3030.0/18

+ sign 11.681+/-0.063 χ^2/NDF: 4402.7/36

All: 11.712+/-0.045 χ^2/NDF: 10932.0/74

- sign 11.745+/-0.065 χ^2/NDF: 6528.9/37

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.483+/-0.003 χ^2/NDF:464.6/20

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

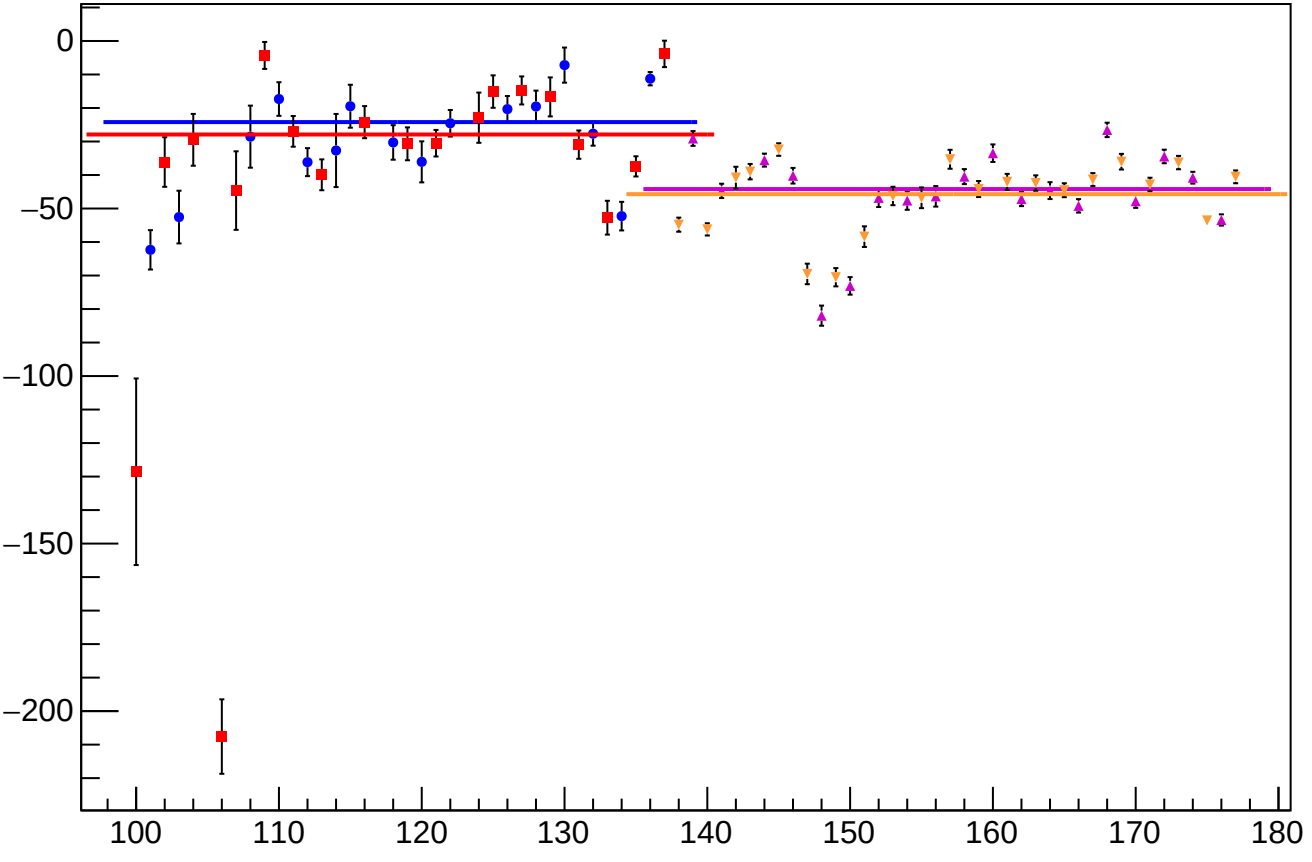
Left In: 0.472+/-0.003 χ^2/NDF:728.8/18

+ sign 0.464+/-0.003 χ^2/NDF: 1180.0/36

All: 0.457+/-0.002 χ^2/NDF: 3146.1/74

- sign 0.450+/-0.003 χ^2/NDF: 1953.0/37

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -45.712+/-0.487 χ^2/NDF:372.1/20

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

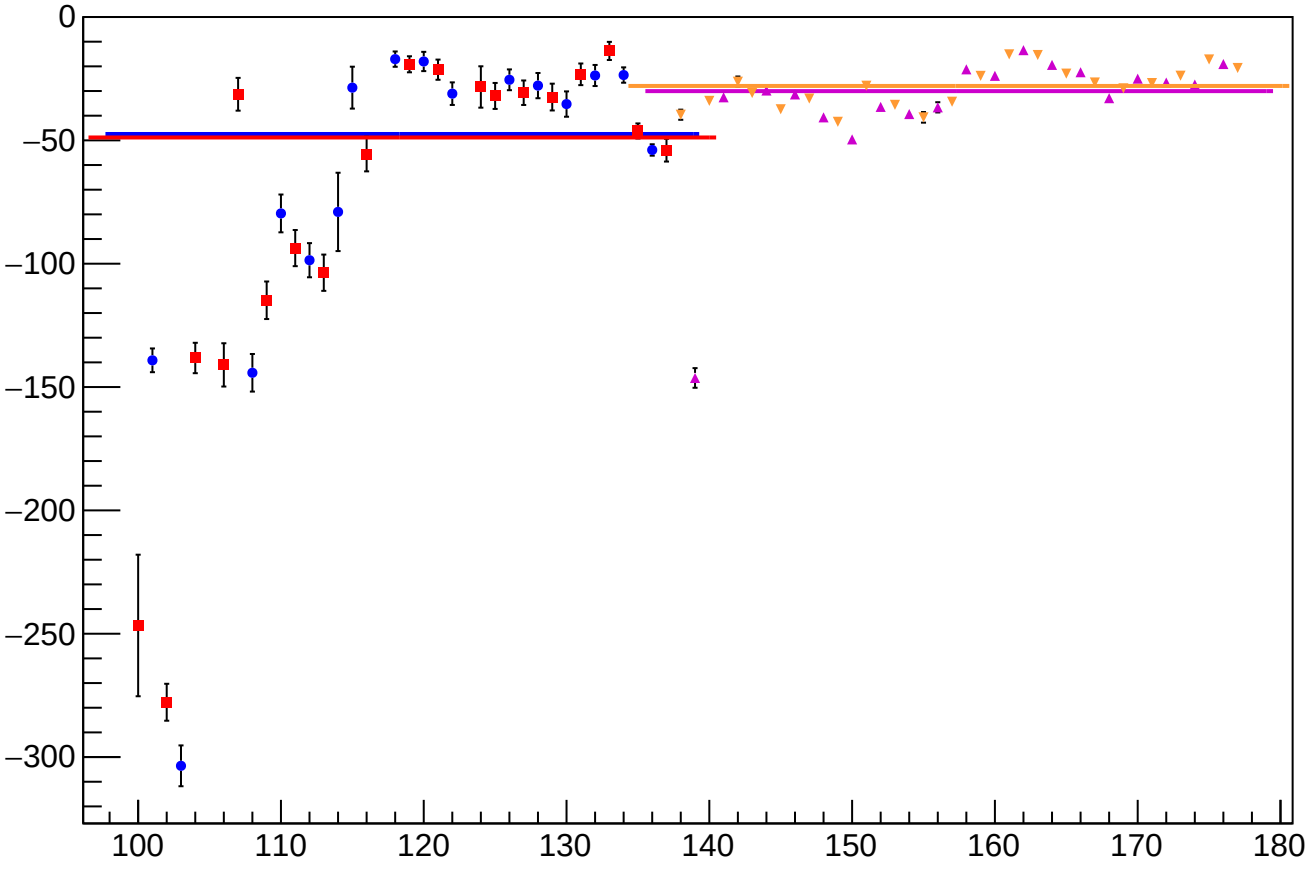
Left In: -44.192+/-0.509 χ^2/NDF:507.9/18

+ sign -42.115+/-0.444 χ^2/NDF: 869.2/36

All: -41.810+/-0.321 χ^2/NDF: 1962.5/74

- sign -41.478+/-0.464 χ^2/NDF: 1092.3/37

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.943+/-0.360 χ^2/NDF:462.3/20

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

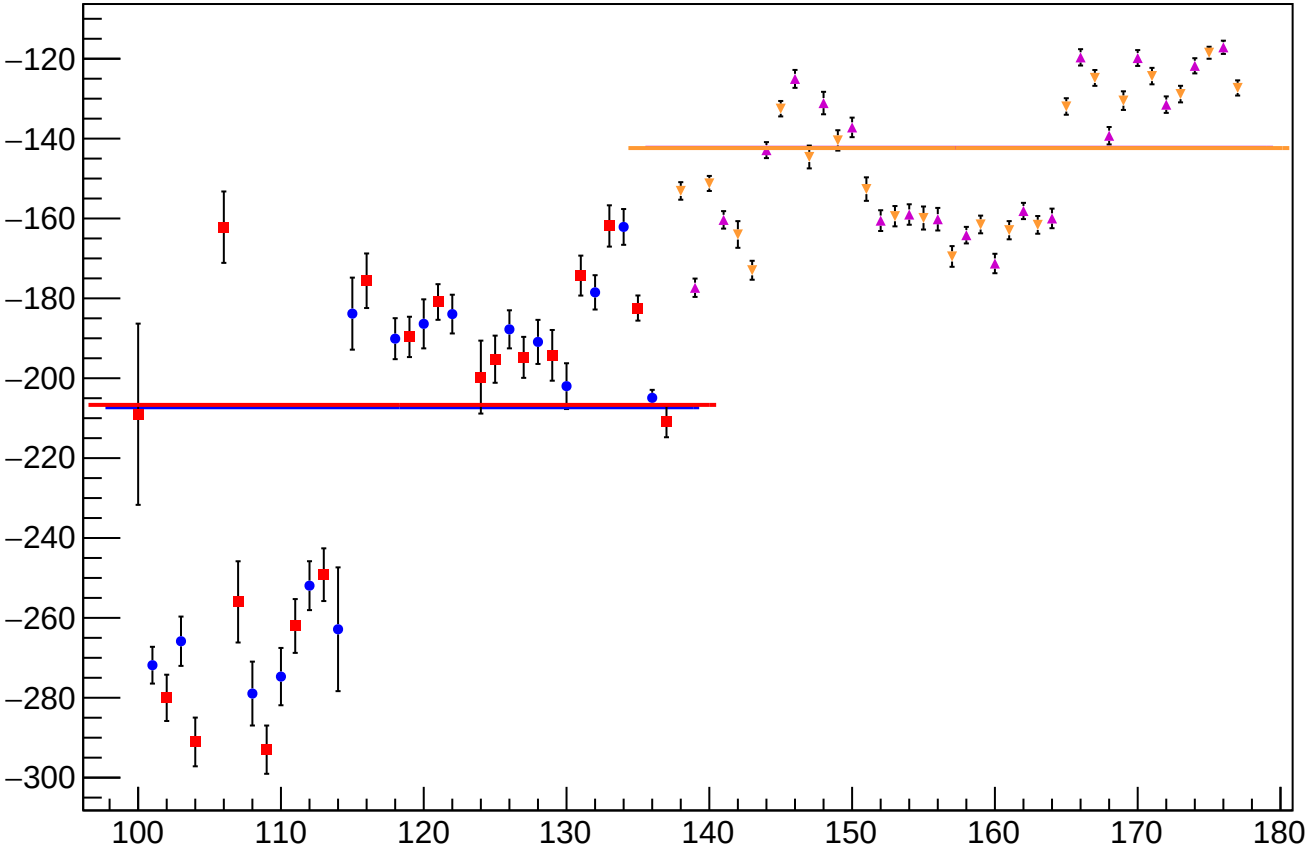
Left In: -30.043+/-0.378 χ^2/NDF:1360.9/18

+ sign -29.822+/-0.342 χ^2/NDF: 2618.7/36

All: -30.752+/-0.248 χ^2/NDF: 5998.9/74

- sign -31.783+/-0.360 χ^2/NDF: 3364.6/37

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -142.368+/-0.482 χ^2/NDF:1279.3/20

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

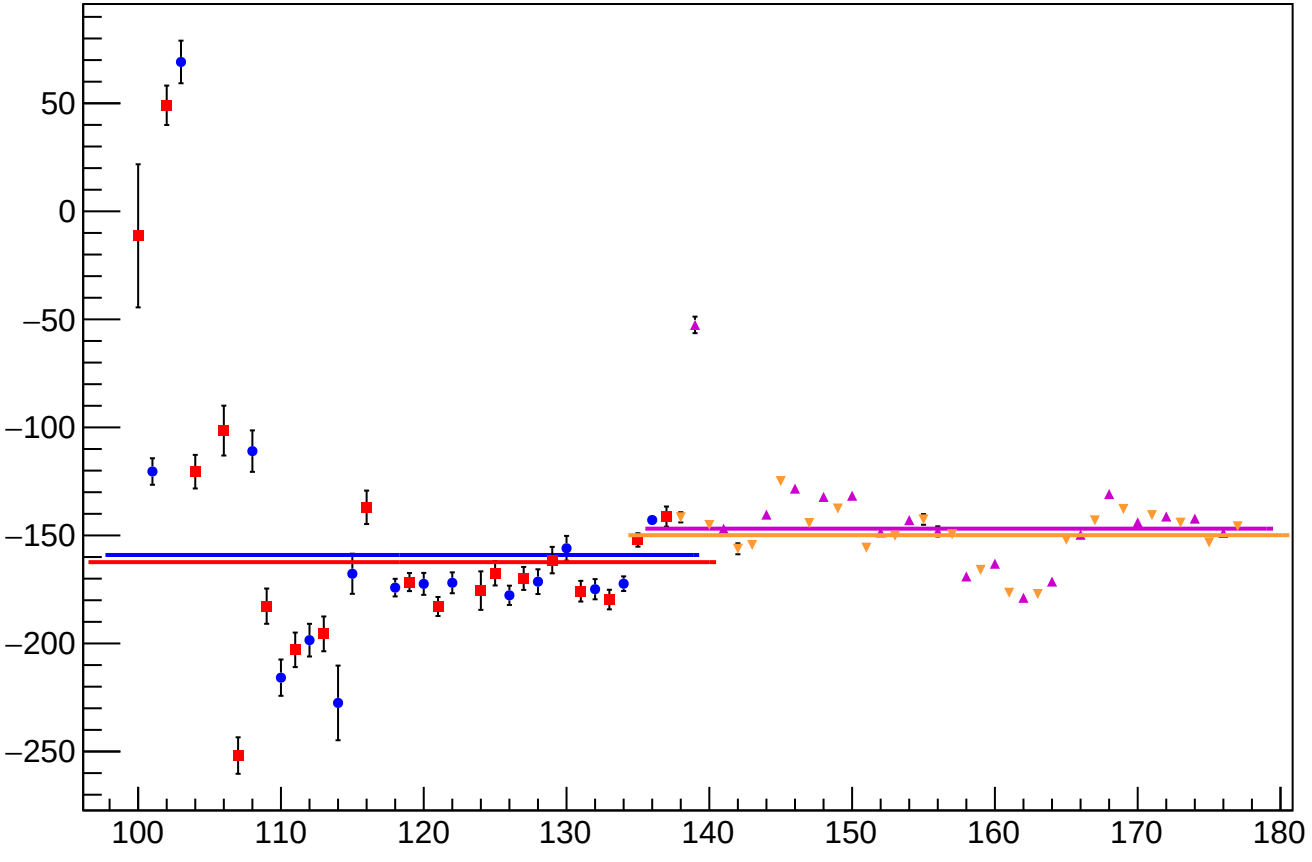
Left In: -142.296+/-0.503 χ^2/NDF:1504.5/18

+ sign -151.685+/-0.446 χ^2/NDF: 4625.7/36

All: -151.317+/-0.323 χ^2/NDF: 9293.9/74

- sign -150.912+/-0.468 χ^2/NDF: 4666.8/37

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -149.891+/-0.406 χ^2/NDF:994.1/20

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

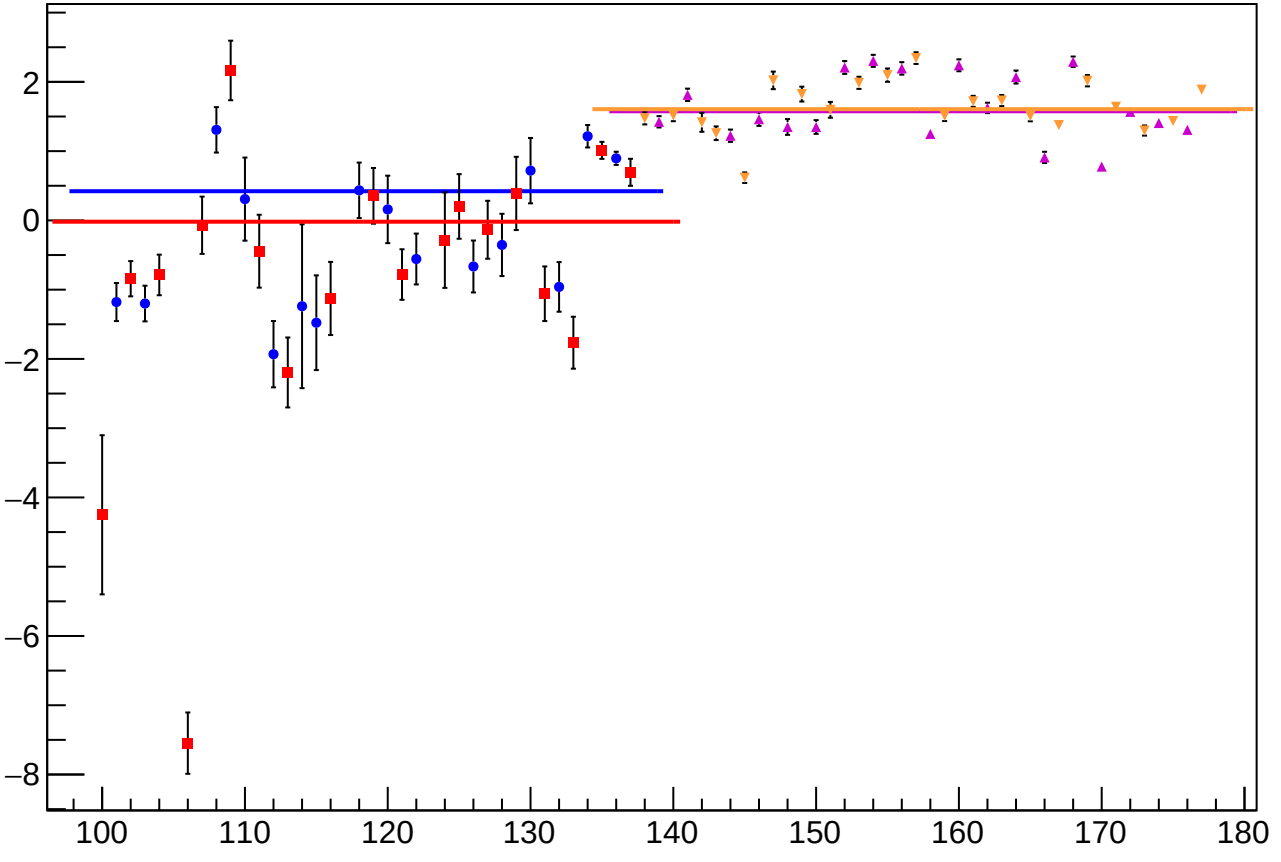
Left In: -146.865+/-0.426 χ^2/NDF:1711.9/18

+ sign -150.796+/-0.385 χ^2/NDF: 1860.2/36

All: -149.619+/-0.279 χ^2/NDF: 4588.6/74

- sign -148.317+/-0.405 χ^2/NDF: 2708.7/37

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.606+/-0.018 χ^2/NDF:403.1/20

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

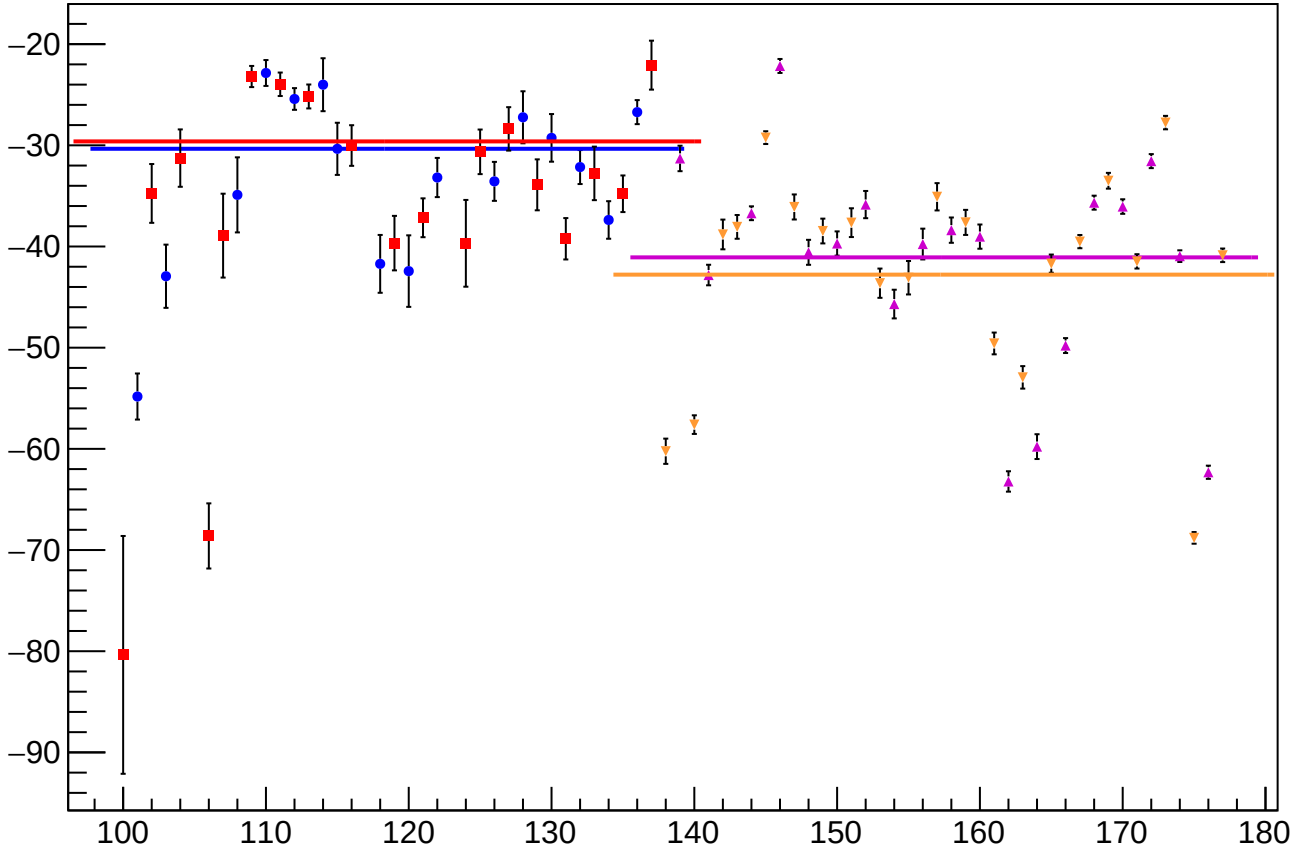
Left In: 1.576+/-0.019 χ^2/NDF:625.4/18

\+ sign 1.519+/-0.018 χ^2/NDF: 910.3/36

All: 1.498+/-0.013 χ^2/NDF: 2482.5/74

\- sign 1.476+/-0.018 χ^2/NDF: 1569.3/37

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -42.781+/-0.197 χ^2/NDF:3895.4/20

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

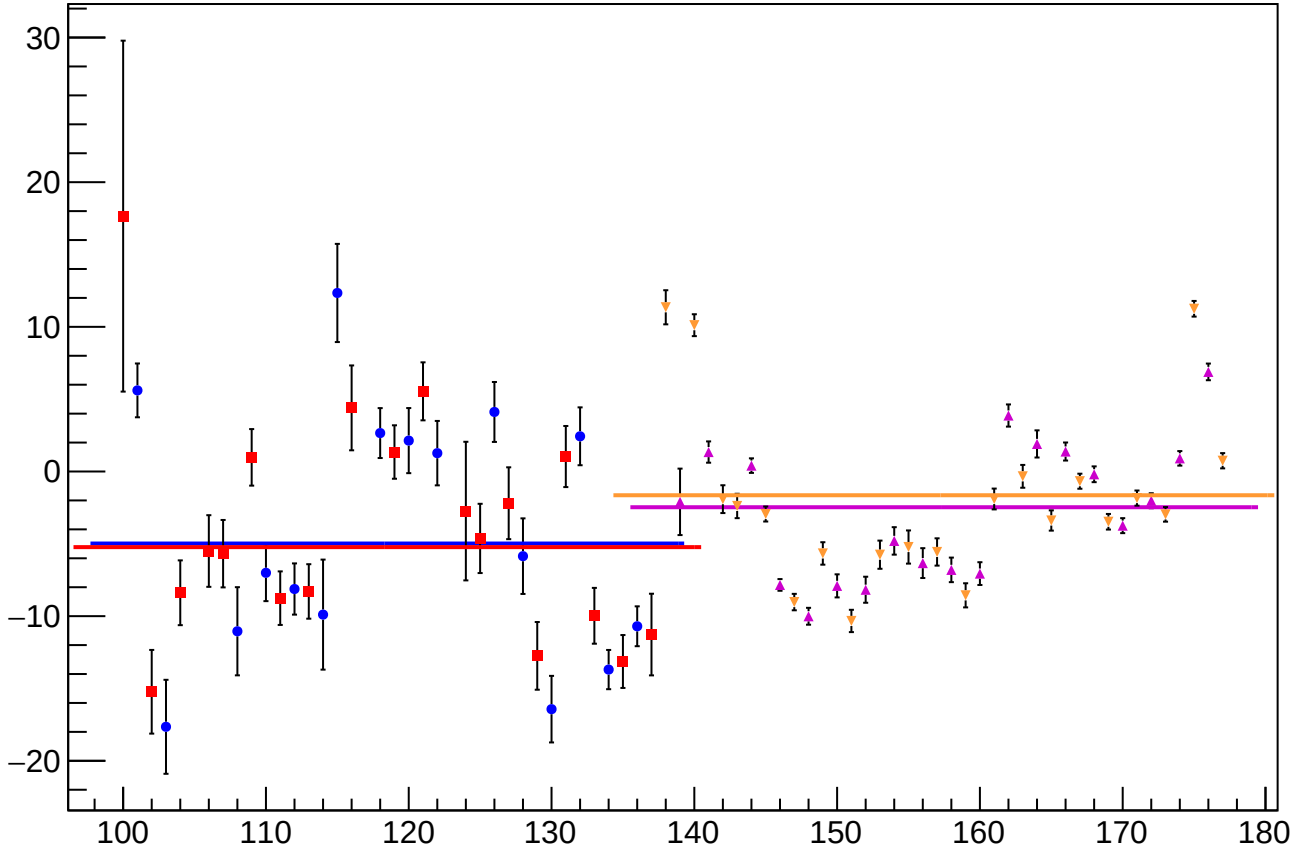
Left In: -41.074+/-0.200 χ^2/NDF:3101.6/18

+ sign -40.907+/-0.182 χ^2/NDF: 4749.5/36

All: -40.052+/-0.129 χ^2/NDF: 8765.6/74

- sign -39.185+/-0.183 χ^2/NDF: 3971.5/37

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -1.642+/-0.146 χ^2/NDF:1423.8/20

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

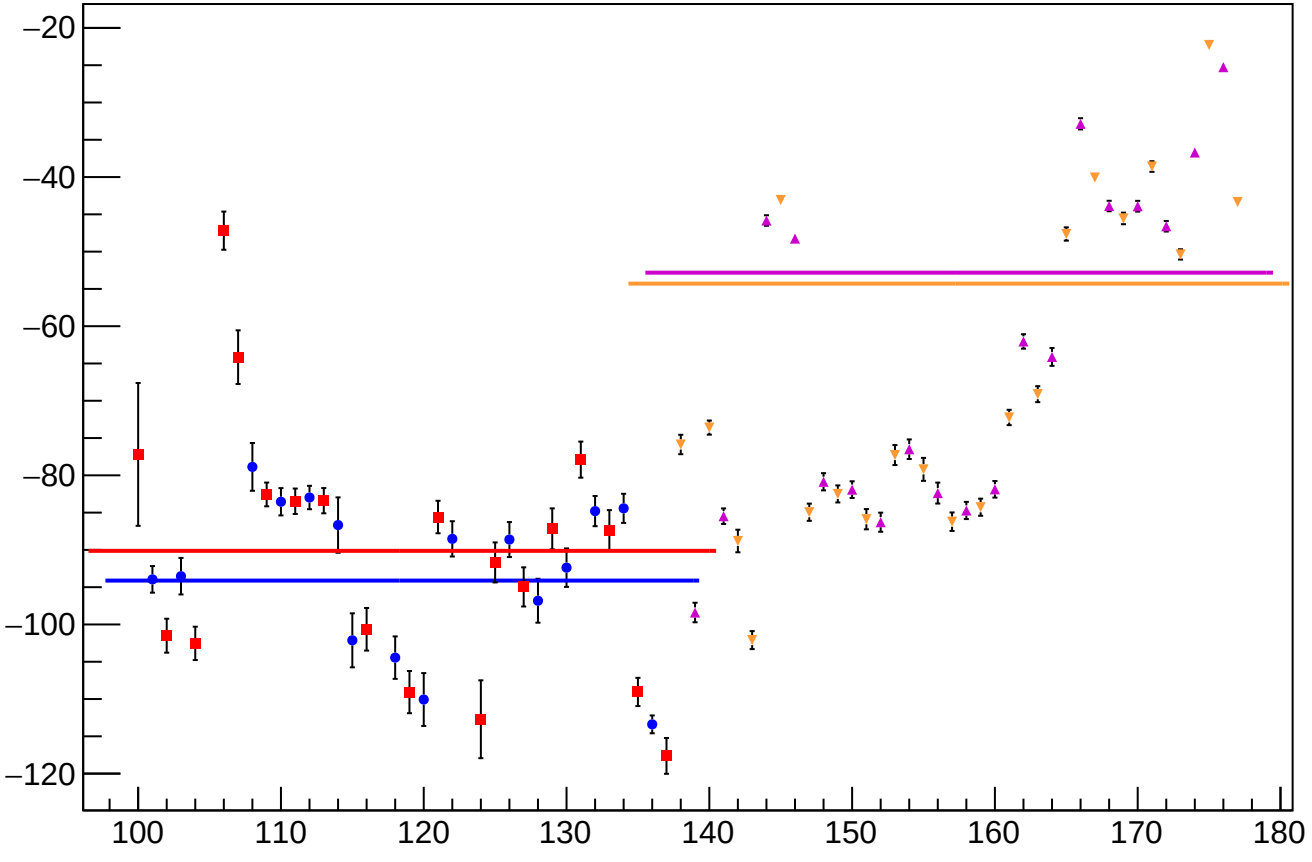
Left In: -2.470+/-0.147 χ^2/NDF:1030.9/18

+ sign -1.896+/-0.141 χ^2/NDF: 1700.8/36

All: -2.280+/-0.100 χ^2/NDF: 2909.0/74

- sign -2.672+/-0.142 χ^2/NDF: 1193.1/37

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -54.288+/-0.196 χ^2/NDF:11825.8/20

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

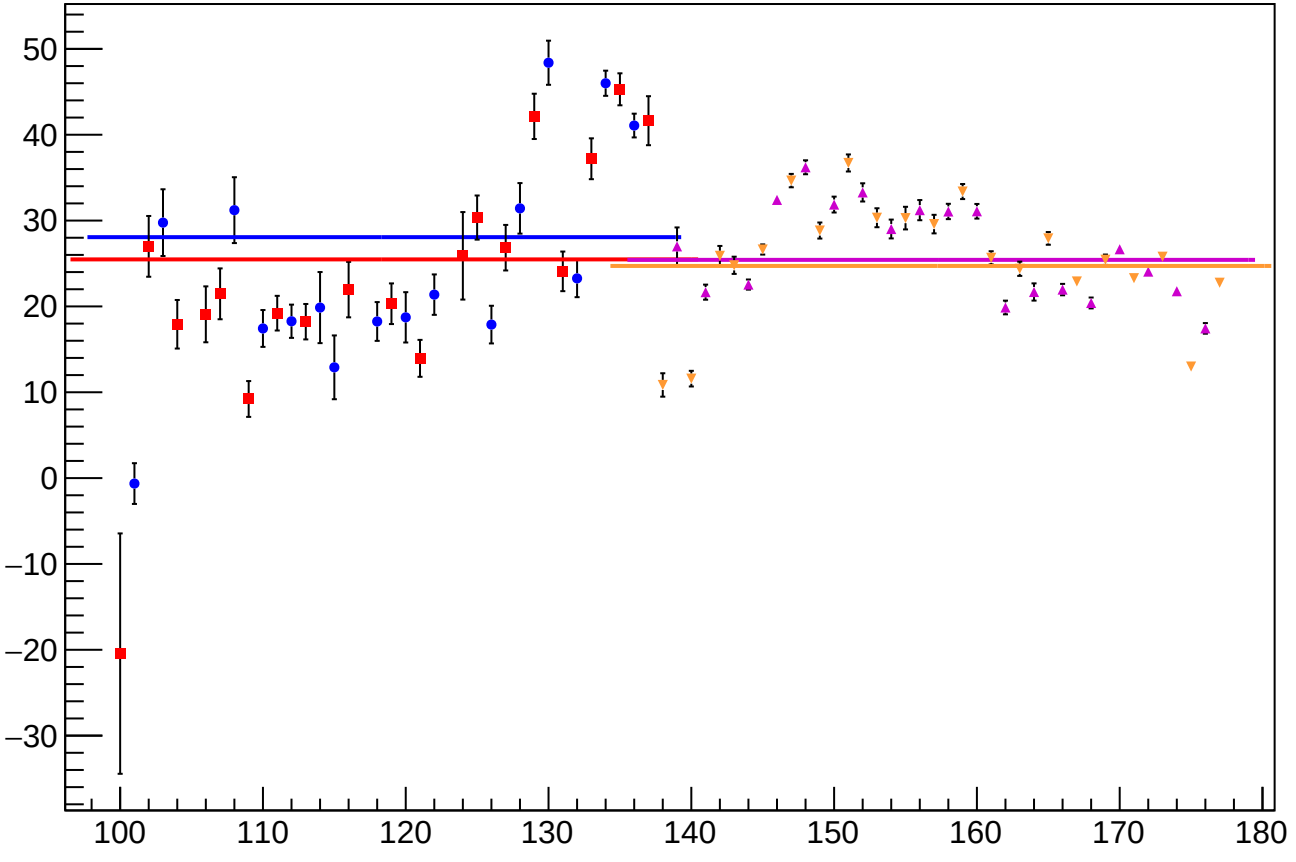
Left In: -52.820+/-0.200 χ^2/NDF:10277.3/18

+ sign -58.988+/-0.184 χ^2/NDF: 17143.6/36

All: -58.142+/-0.131 χ^2/NDF: 32411.5/74

- sign -57.268+/-0.187 χ^2/NDF: 15225.2/37

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.714+/-0.164 χ^2/NDF:1292.1/20

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

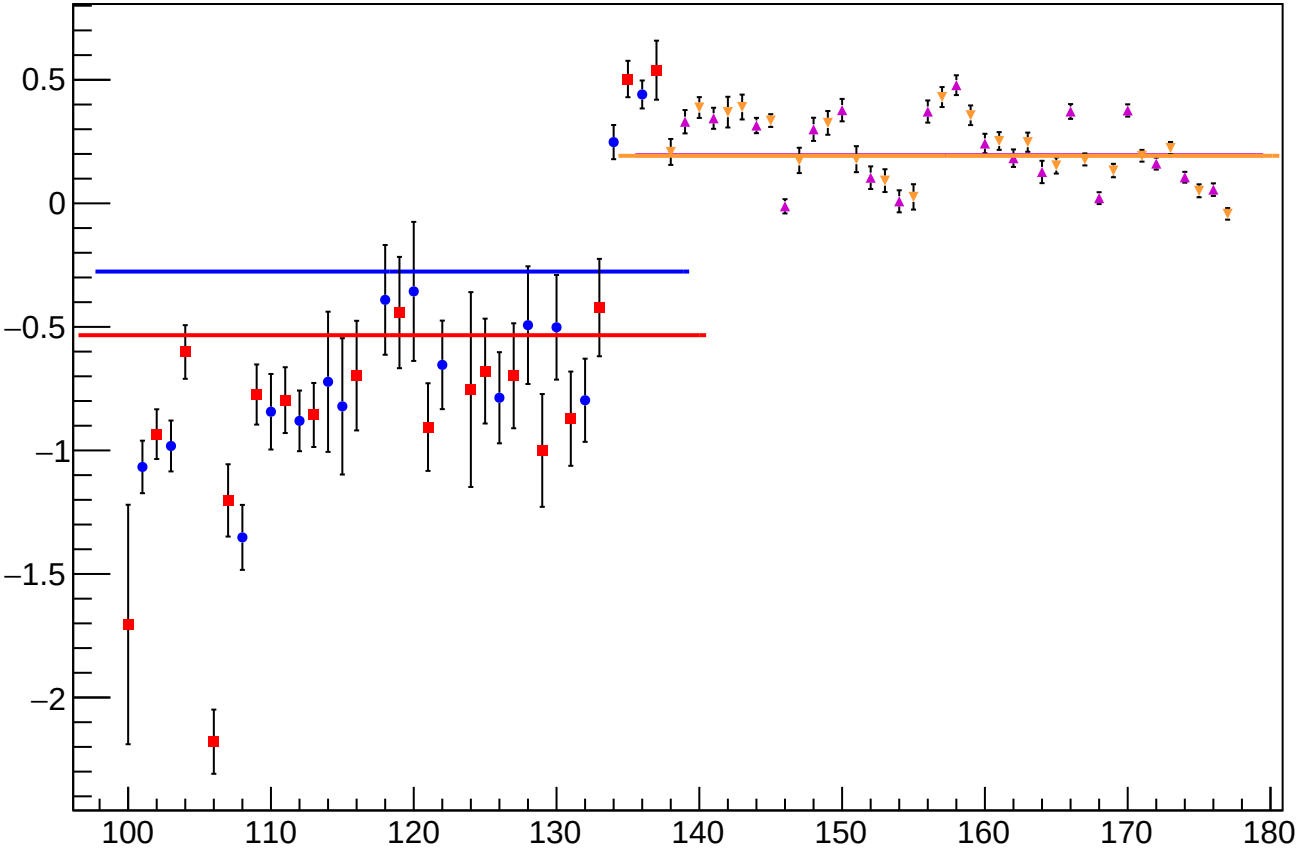
Left In: 25.423+/-0.167 χ^2/NDF:1005.2/18

+ sign 24.973+/-0.158 χ^2/NDF: 1907.3/36

All: 25.196+/-0.113 χ^2/NDF: 3271.3/74

- sign 25.427+/-0.161 χ^2/NDF: 1359.9/37

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.192+/-0.007 χ^2/NDF:292.9/20

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

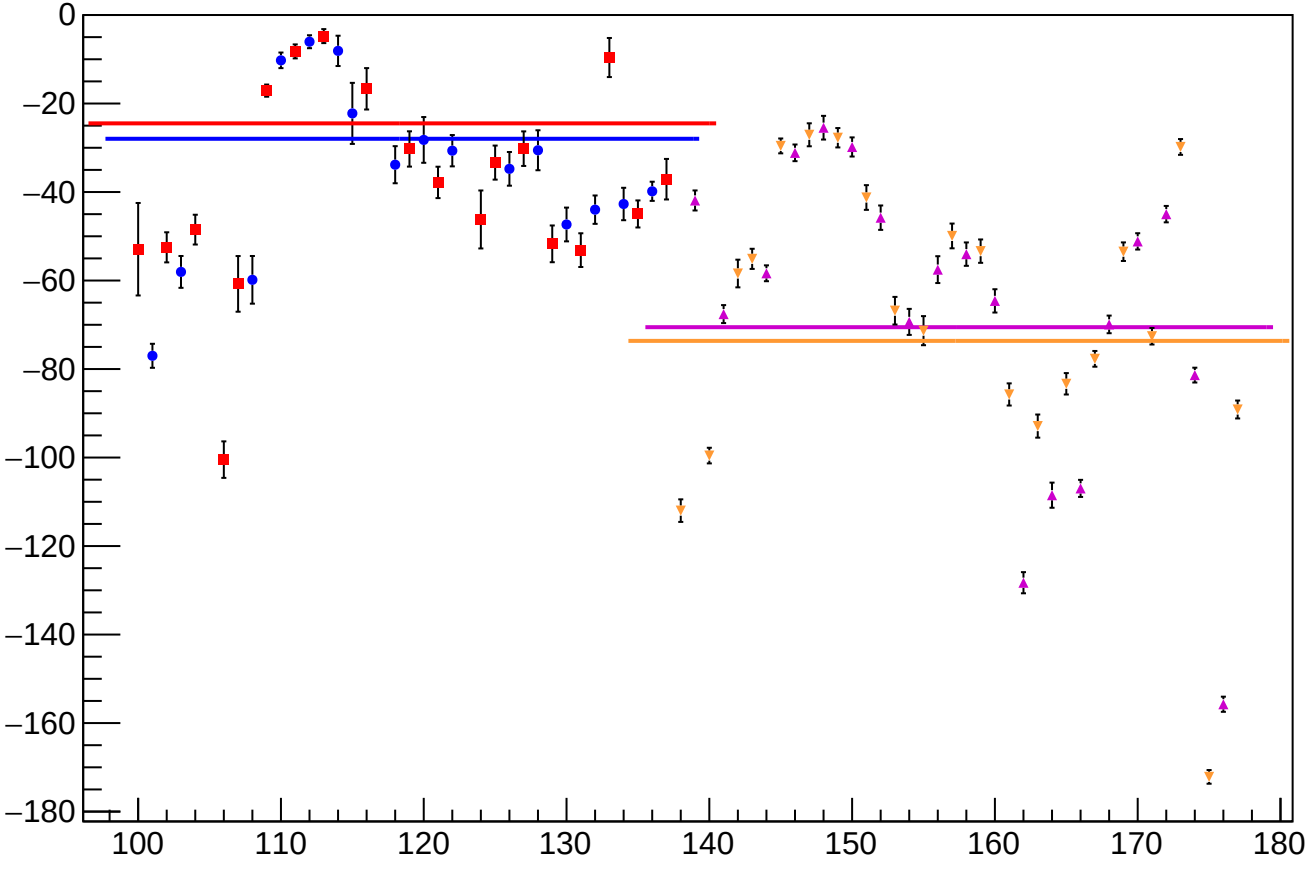
Left In: 0.195+/-0.007 χ^2/NDF:387.2/18

+ sign 0.167+/-0.007 χ^2/NDF: 969.5/36

All: 0.163+/-0.005 χ^2/NDF: 2335.3/74

- sign 0.159+/-0.007 χ^2/NDF: 1365.2/37

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -73.637+/-0.479 χ^2/NDF:7168.8/20

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

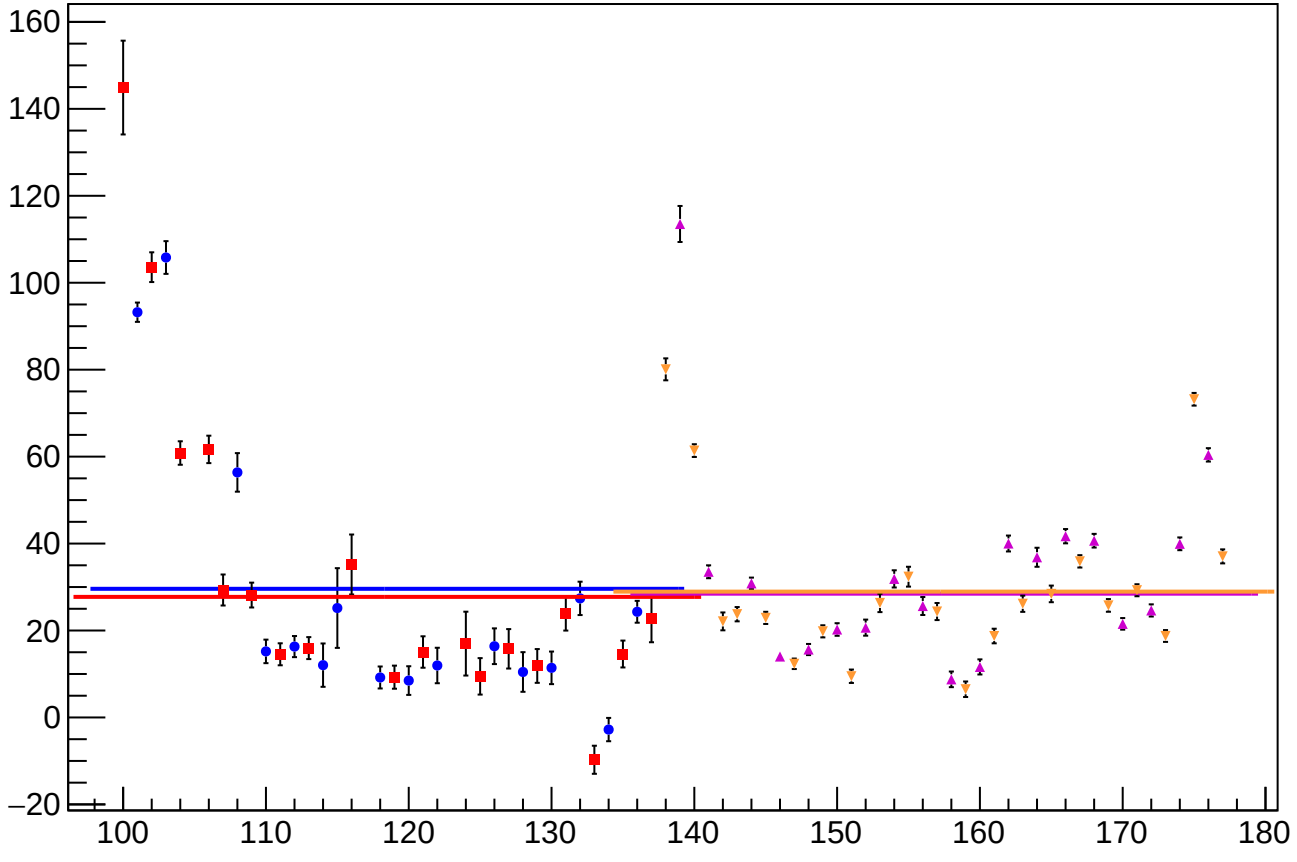
Left In: -70.541+/-0.492 χ^2/NDF:5366.2/18

+ sign -59.833+/-0.400 χ^2/NDF: 10812.4/36

All: -56.969+/-0.281 χ^2/NDF: 20381.7/74

- sign -54.176+/-0.395 χ^2/NDF: 9468.1/37

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 28.947+/-0.350 χ^2/NDF:2565.1/20

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

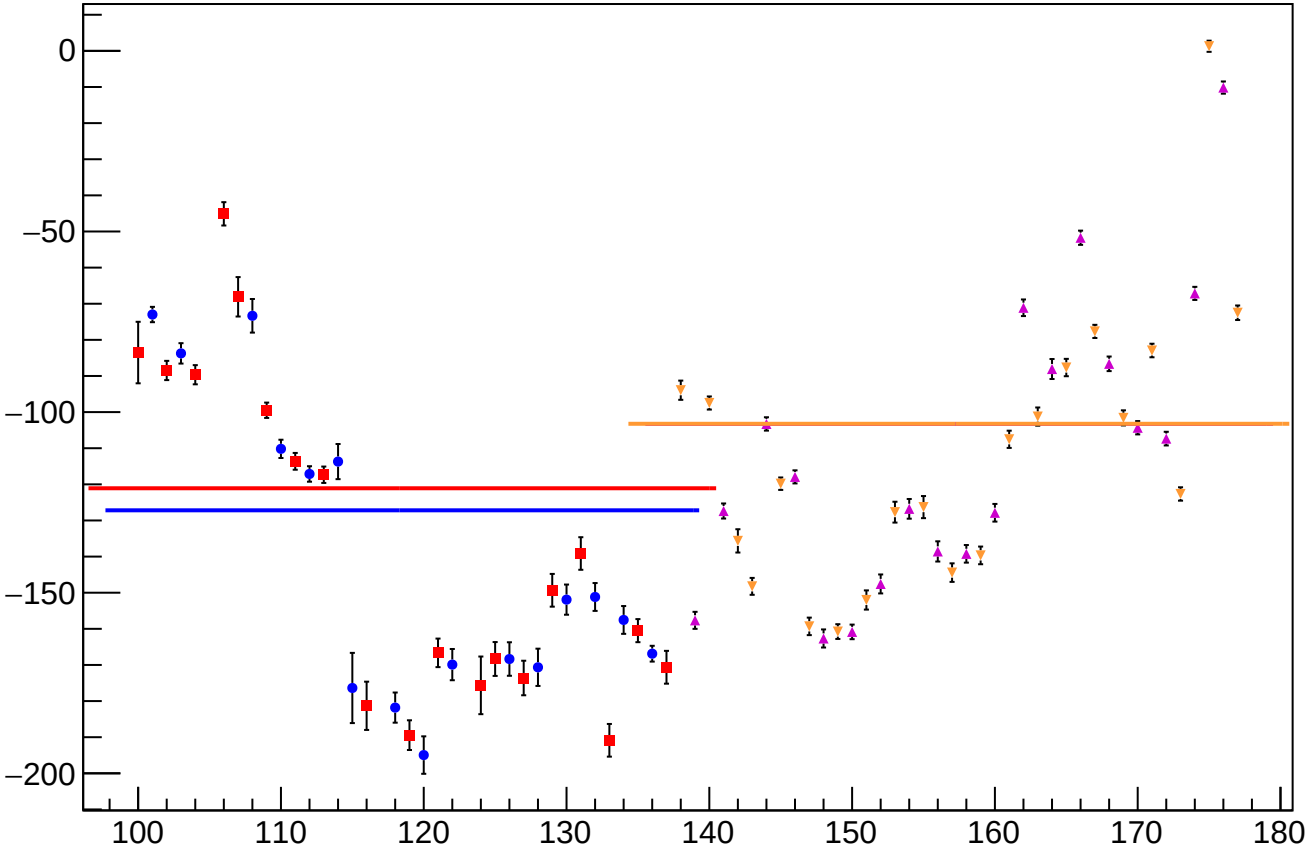
Left In: 28.473+/-0.363 χ^2/NDF:1668.7/18

+ sign 29.050+/-0.321 χ^2/NDF: 4231.4/36

All: 28.707+/-0.230 χ^2/NDF: 7088.2/74

- sign 28.346+/-0.330 χ^2/NDF: 2854.5/37

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -103.235+/-0.475 χ^2/NDF:8142.4/20

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

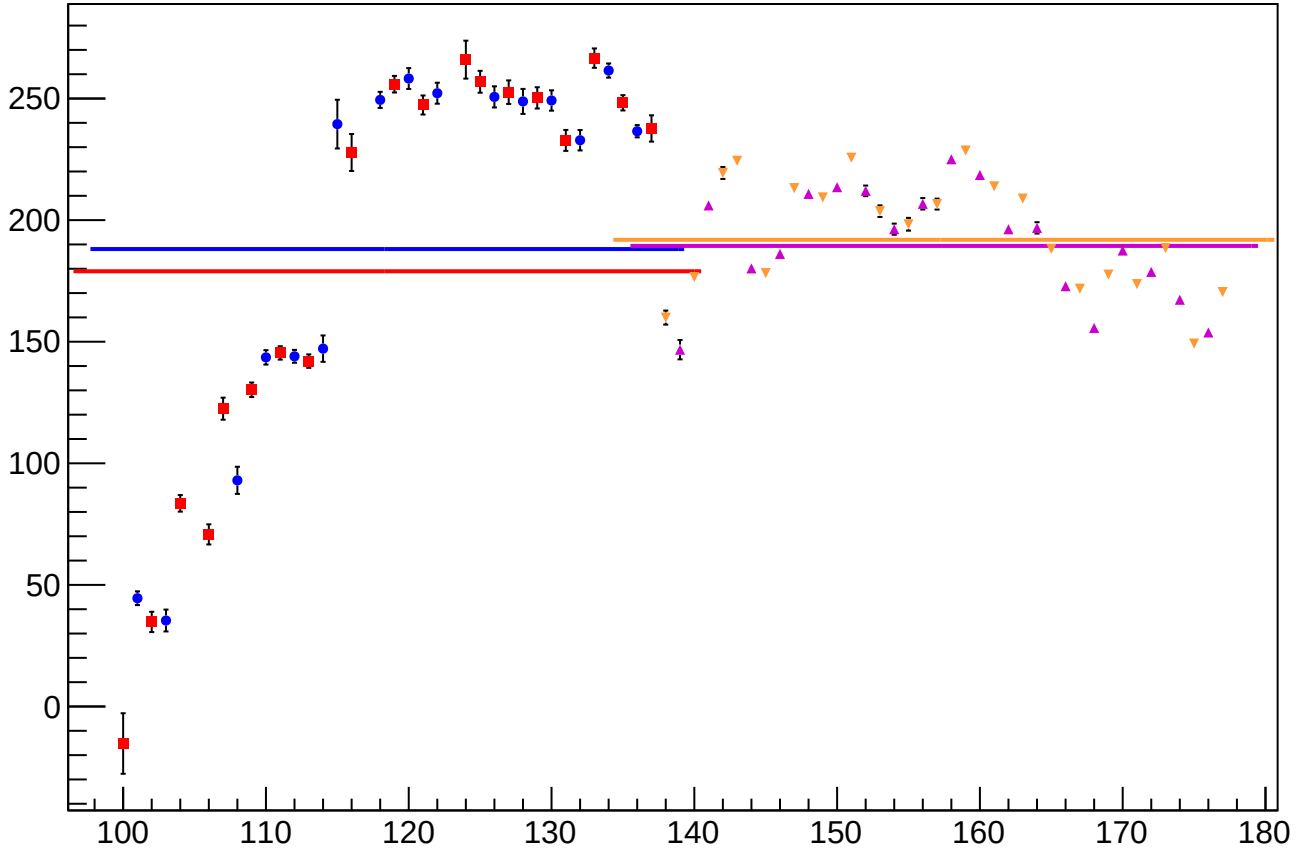
Left In: -103.294+/-0.488 χ^2/NDF:7359.8/18

+ sign -109.149+/-0.412 χ^2/NDF: 10948.8/36

All: -108.647+/-0.293 χ^2/NDF: 21071.0/74

- sign -108.135+/-0.416 χ^2/NDF: 10119.2/37

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 191.913+/-0.398 χ^2/NDF:3250.6/20

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

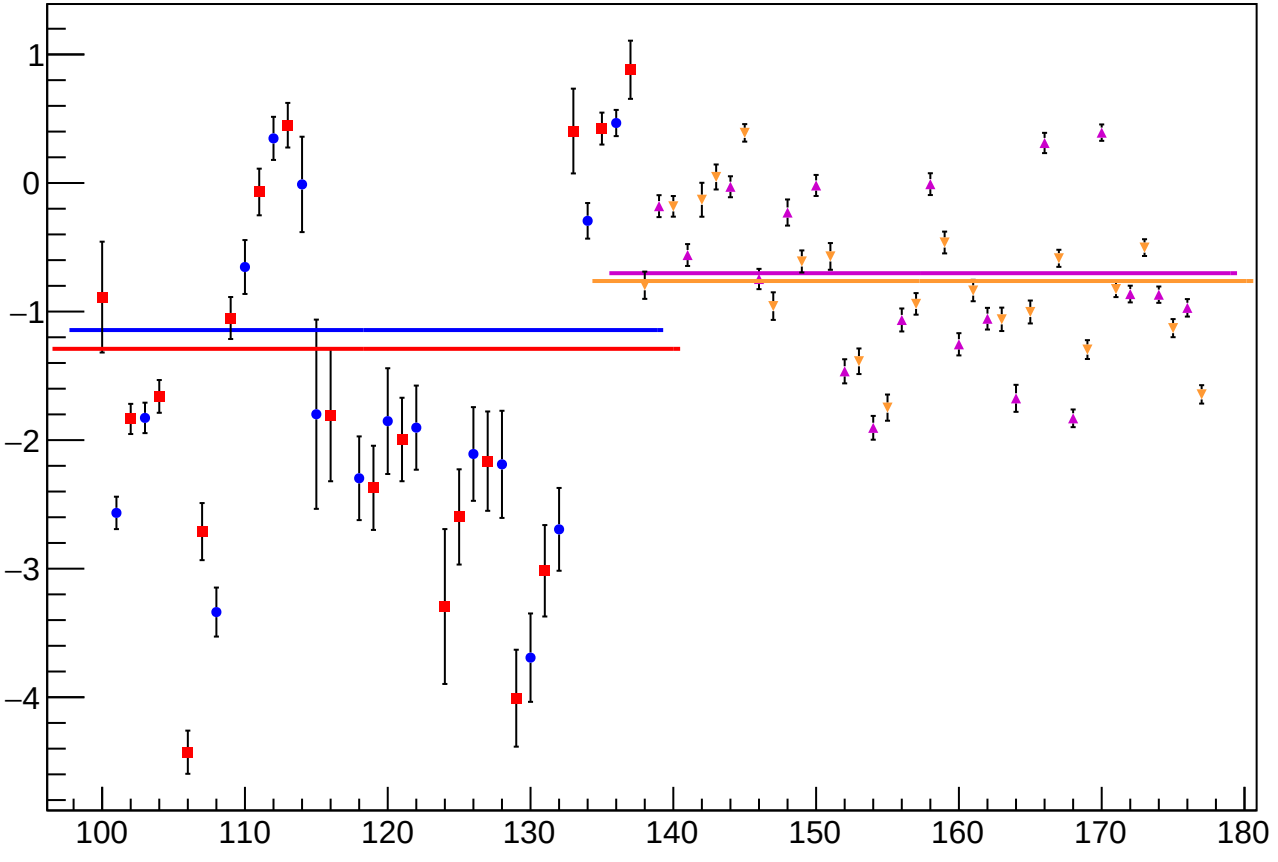
Left In: 189.396+/-0.412 χ^2/NDF:2537.3/18

+ sign 191.311+/-0.365 χ^2/NDF: 10383.7/36

All: 189.513+/-0.262 χ^2/NDF: 19748.8/74

- sign 187.616+/-0.375 χ^2/NDF: 9315.4/37

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.763+/-0.018 χ^2/NDF:864.3/20

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

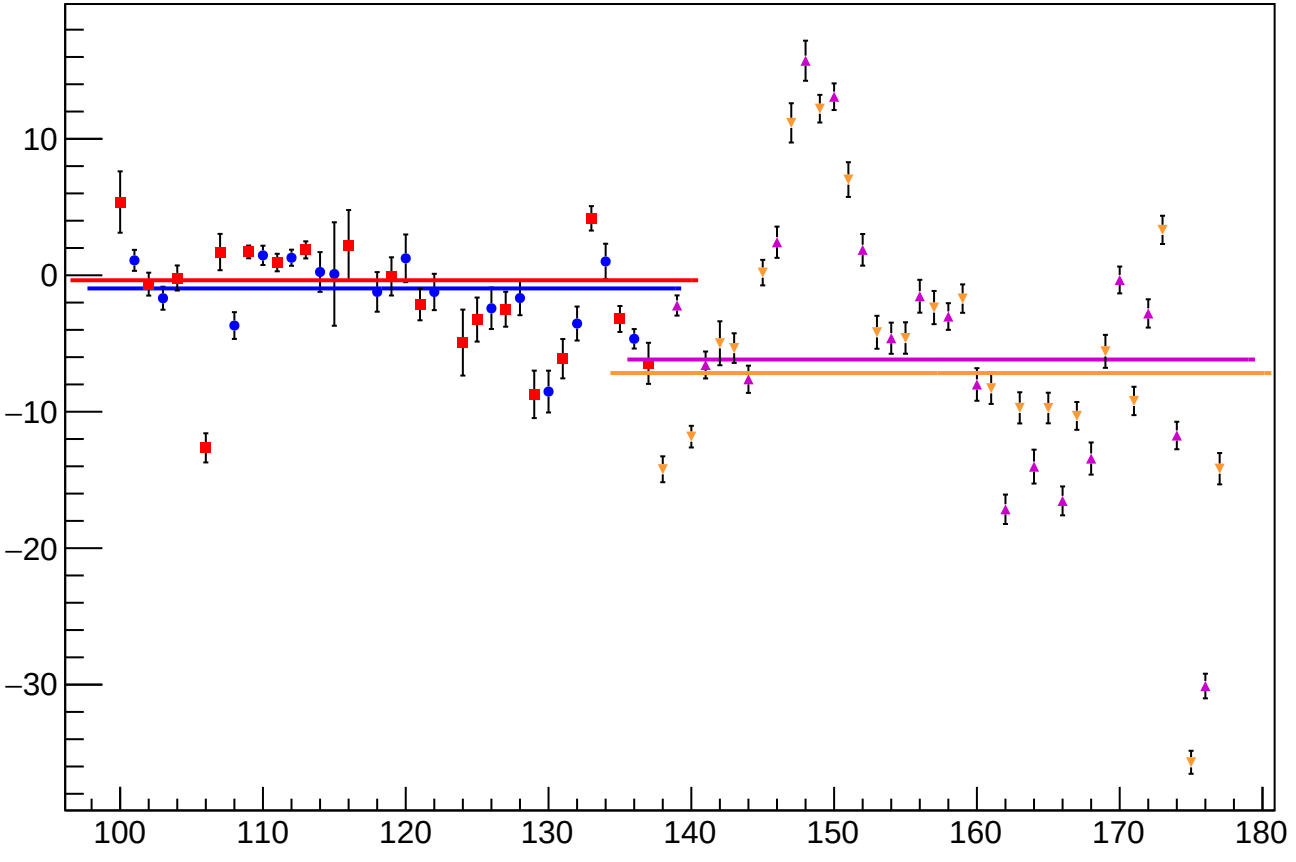
Left In: -0.702+/-0.018 χ^2/NDF:1419.6/18

+ sign -0.809+/-0.017 χ^2/NDF: 1707.1/36

All: -0.793+/-0.012 χ^2/NDF: 4260.7/74

- sign -0.777+/-0.017 χ^2/NDF: 2551.8/37

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -7.165+/-0.235 χ^2/NDF:2173.2/20

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

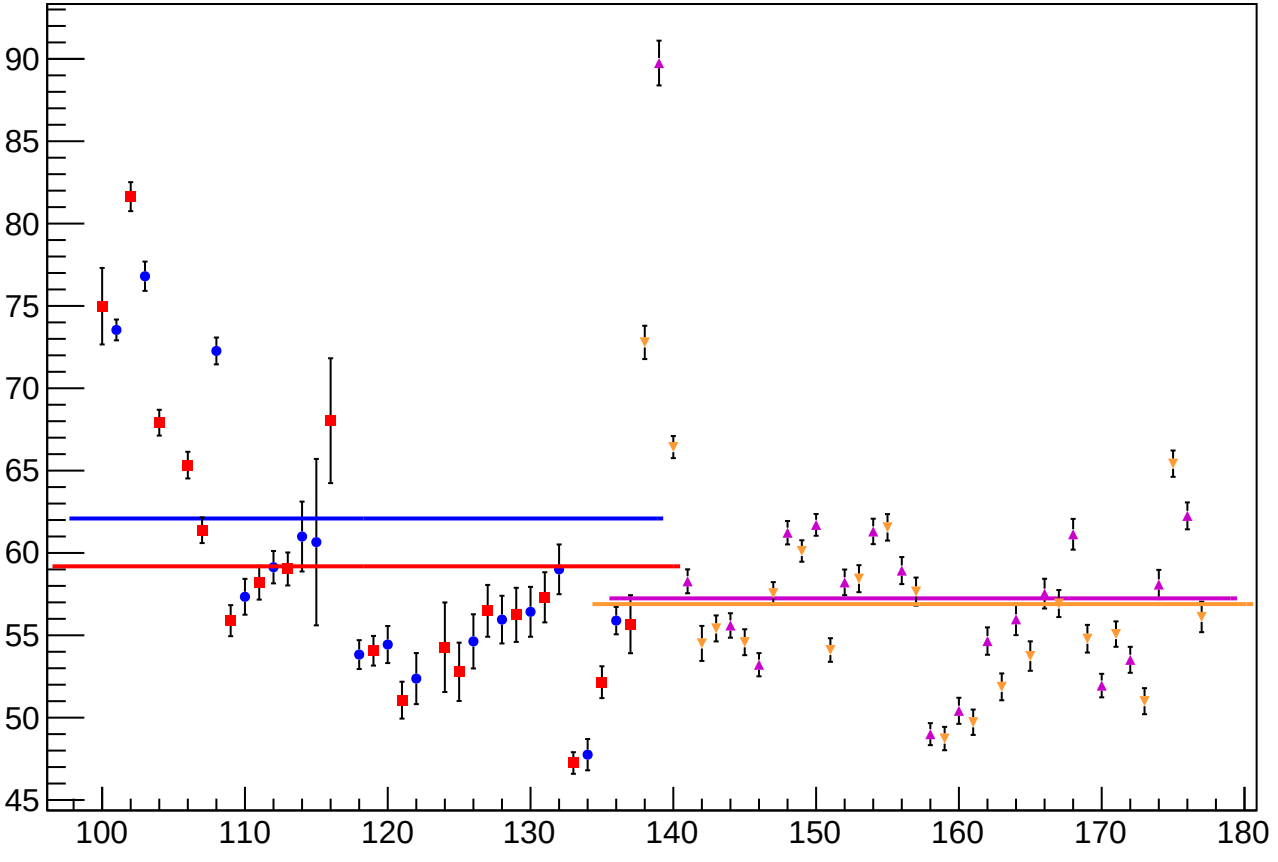
Left In: -6.173+/-0.240 χ^2/NDF:1831.6/18

+ sign -4.301+/-0.172 χ^2/NDF: 2599.2/36

All: -3.653+/-0.119 χ^2/NDF: 5051.9/74

- sign -3.066+/-0.164 χ^2/NDF: 2425.6/37

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.895+/-0.173 χ^2/NDF:996.2/20

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

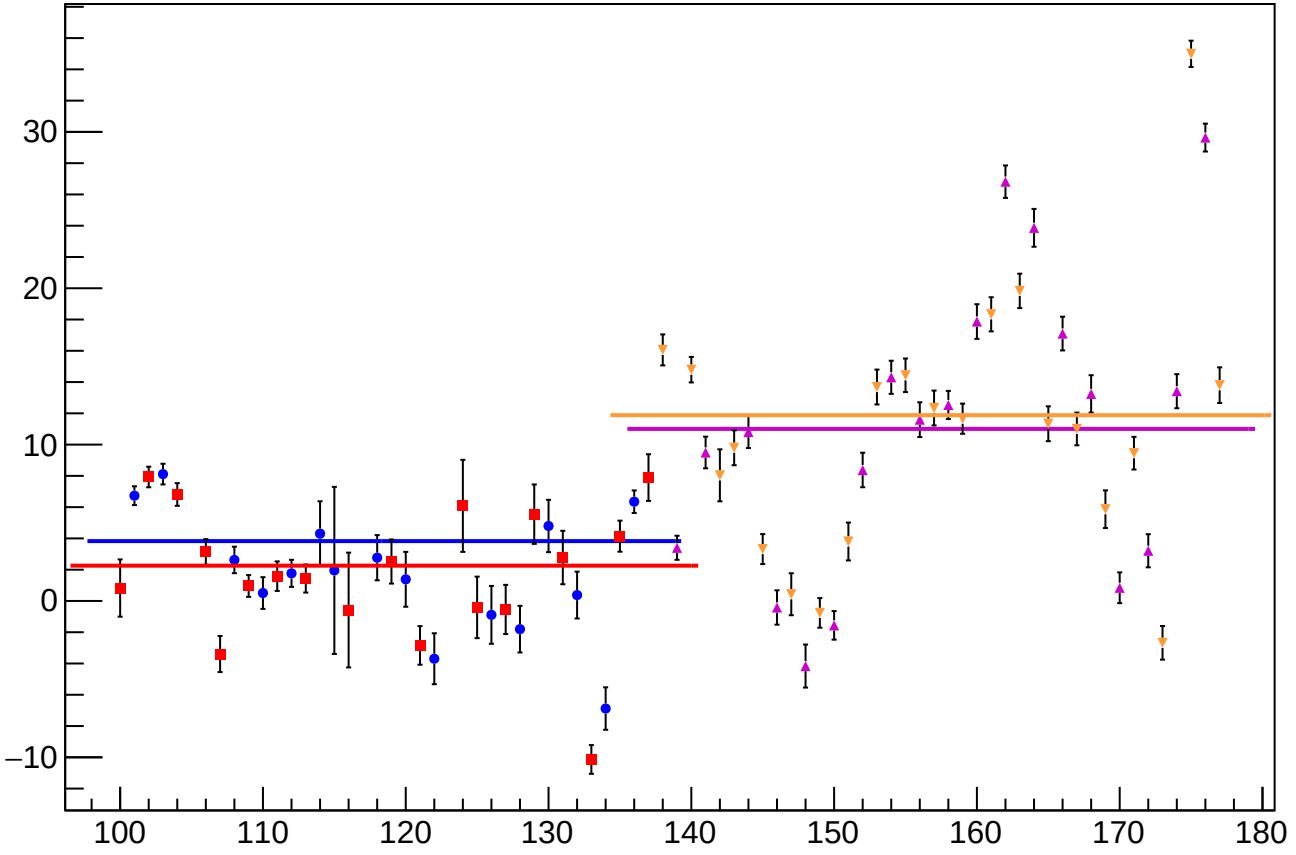
Left In: 57.242+/-0.181 χ^2/NDF:1093.5/18

+ sign 58.440+/-0.145 χ^2/NDF: 2567.1/36

All: 58.189+/-0.103 χ^2/NDF: 5109.8/74

- sign 57.935+/-0.146 χ^2/NDF: 2536.7/37

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 11.882+/-0.231 χ^2/NDF:1483.9/20

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

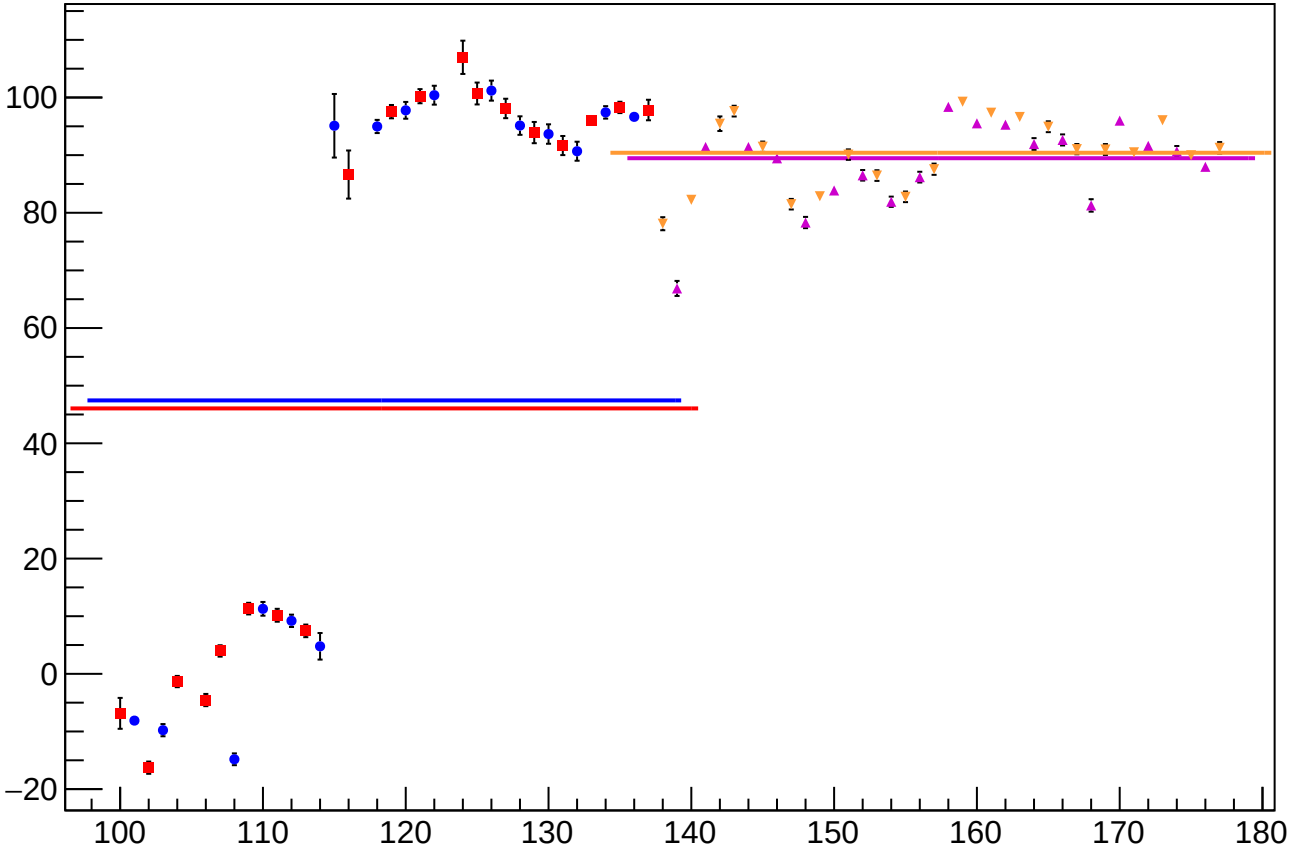
Left In: 11.004+/-0.236 χ^2/NDF:1559.0/18

\+ sign 8.405+/-0.174 χ^2/NDF: 2216.4/36

All: 7.594+/-0.122 χ^2/NDF: 4846.4/74

\- sign 6.816+/-0.171 χ^2/NDF: 2587.5/37

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.412+/-0.196 χ^2/NDF:918.3/20

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

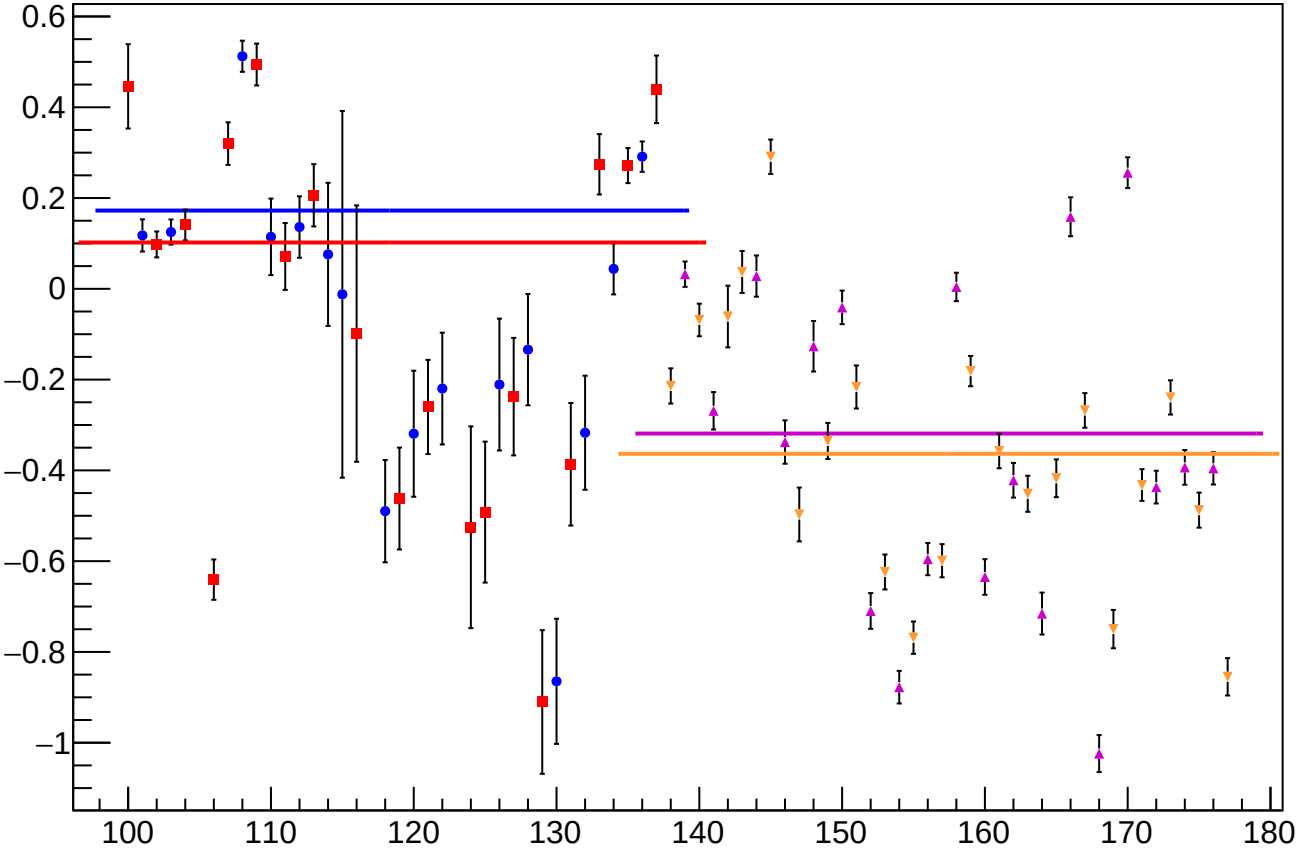
Left In: 89.465+/-0.204 χ^2/NDF:1001.2/18

+ sign 78.073+/-0.165 χ^2/NDF: 41673.8/36

All: 76.411+/-0.117 χ^2/NDF: 87168.2/74

- sign 74.738+/-0.166 χ^2/NDF: 45290.9/37

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.363+/-0.009 χ^2/NDF:1001.2/20

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

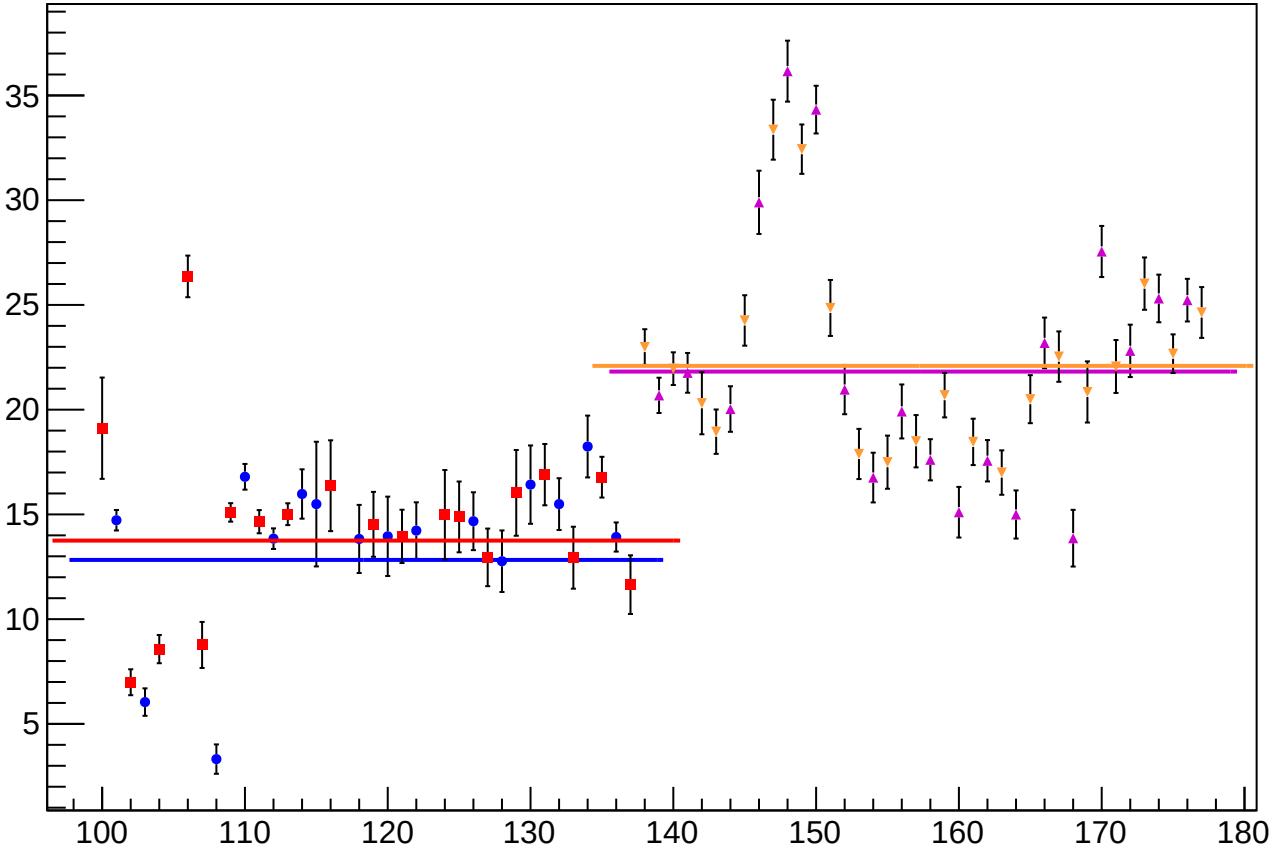
Left In: -0.319+/-0.009 χ^2/NDF:1669.4/18

+ sign -0.217+/-0.007 χ^2/NDF: 2307.2/36

All: -0.205+/-0.005 χ^2/NDF: 5229.1/74

- sign -0.194+/-0.007 χ^2/NDF: 2917.3/37

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.091+/-0.247 χ^2/NDF:244.8/20

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

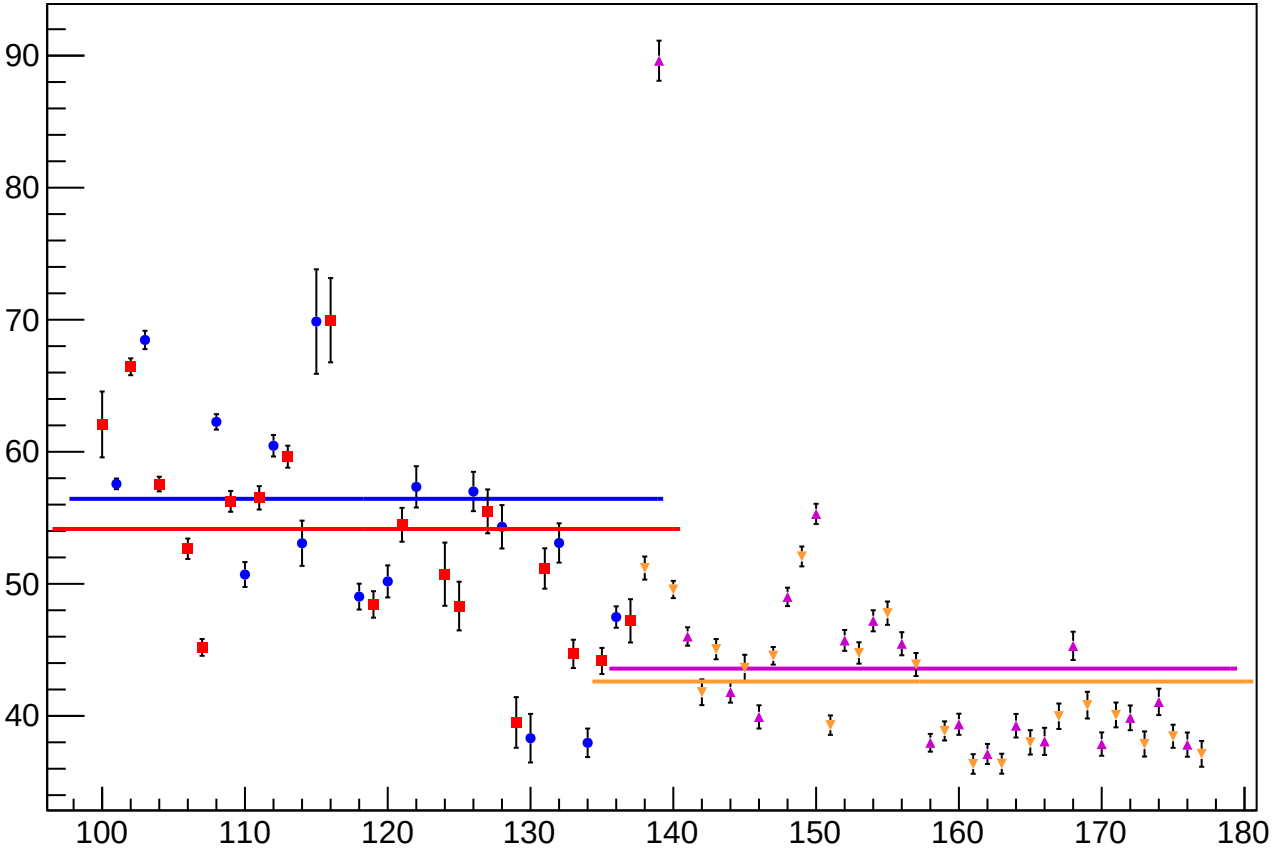
Left In: 21.818+/-0.259 χ^2/NDF:454.1/18

+ sign 16.805+/-0.162 χ^2/NDF: 1437.1/36

All: 16.821+/-0.114 χ^2/NDF: 2892.8/74

- sign 16.836+/-0.160 χ^2/NDF: 1455.6/37

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.605+/-0.181 χ^2/NDF:739.5/20

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

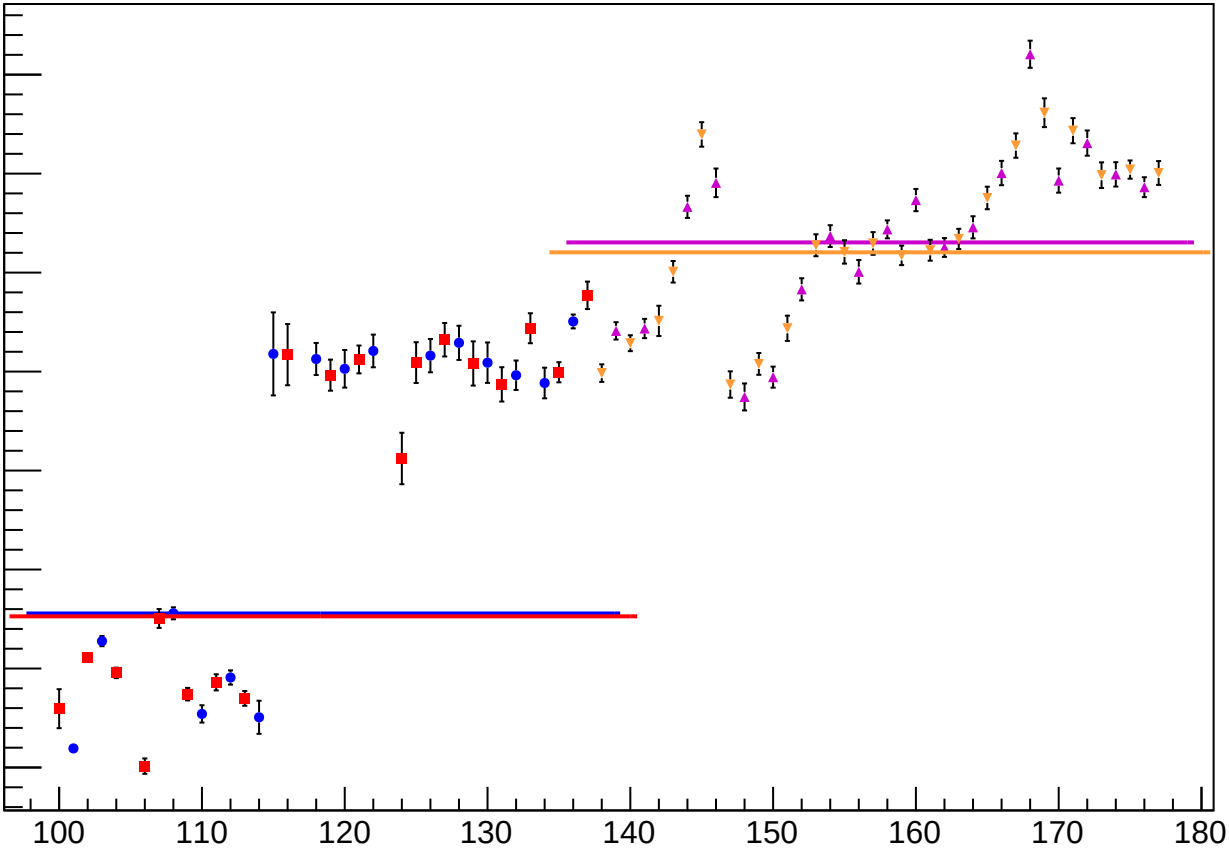
Left In: 43.581+/-0.193 χ^2/NDF:1610.6/18

+ sign 48.118+/-0.140 χ^2/NDF: 4166.8/36

All: 48.101+/-0.101 χ^2/NDF: 8058.0/74

- sign 48.083+/-0.146 χ^2/NDF: 3891.2/37

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 52.048+/-0.243 χ^2/NDF:1130.6/20

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

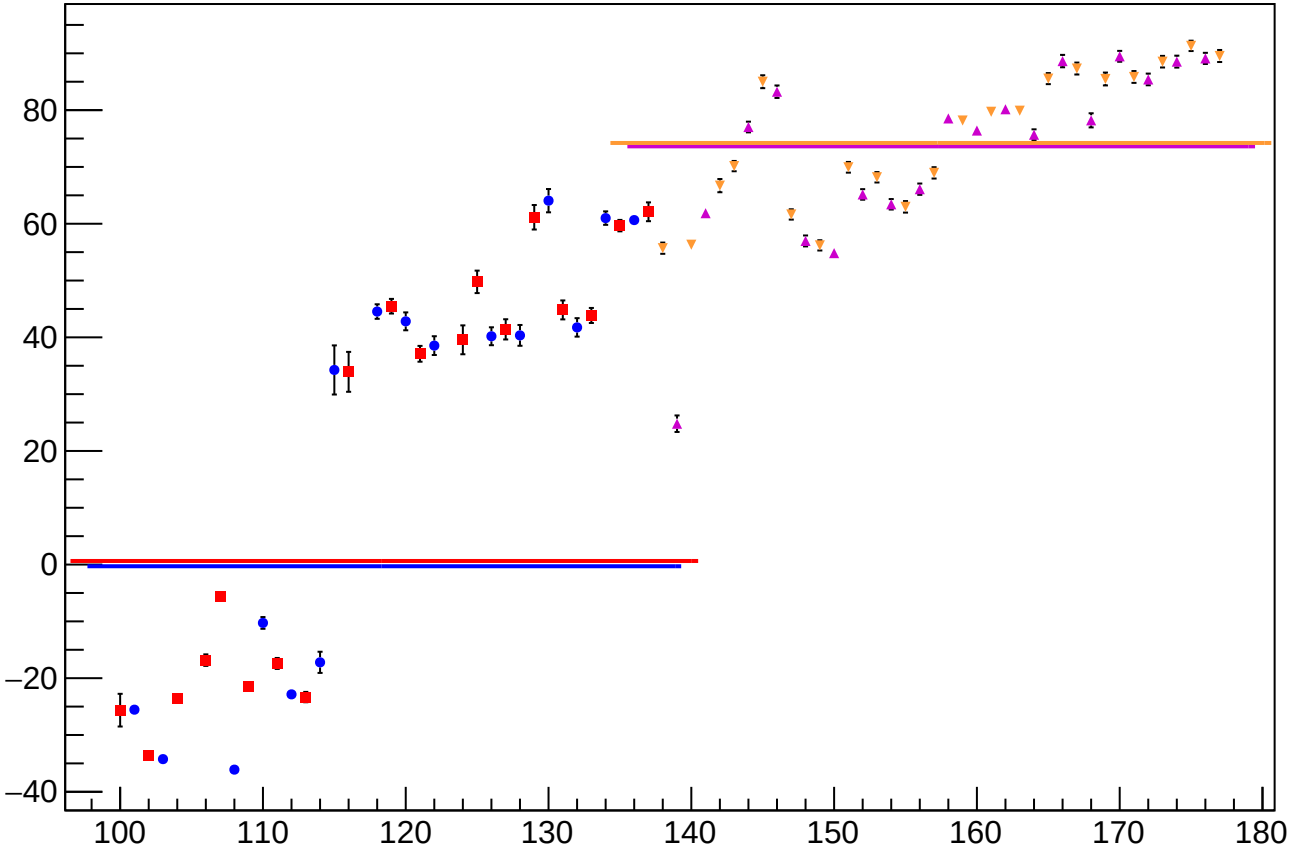
Left In: 53.049+/-0.255 χ^2/NDF:924.3/18

\+ sign 31.488+/-0.161 χ^2/NDF: 18997.4/36

All: 31.422+/-0.115 χ^2/NDF: 36444.5/74

\- sign 31.351+/-0.166 χ^2/NDF: 17446.7/37

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 74.220+/-0.205 χ^2/NDF:3223.9/20

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

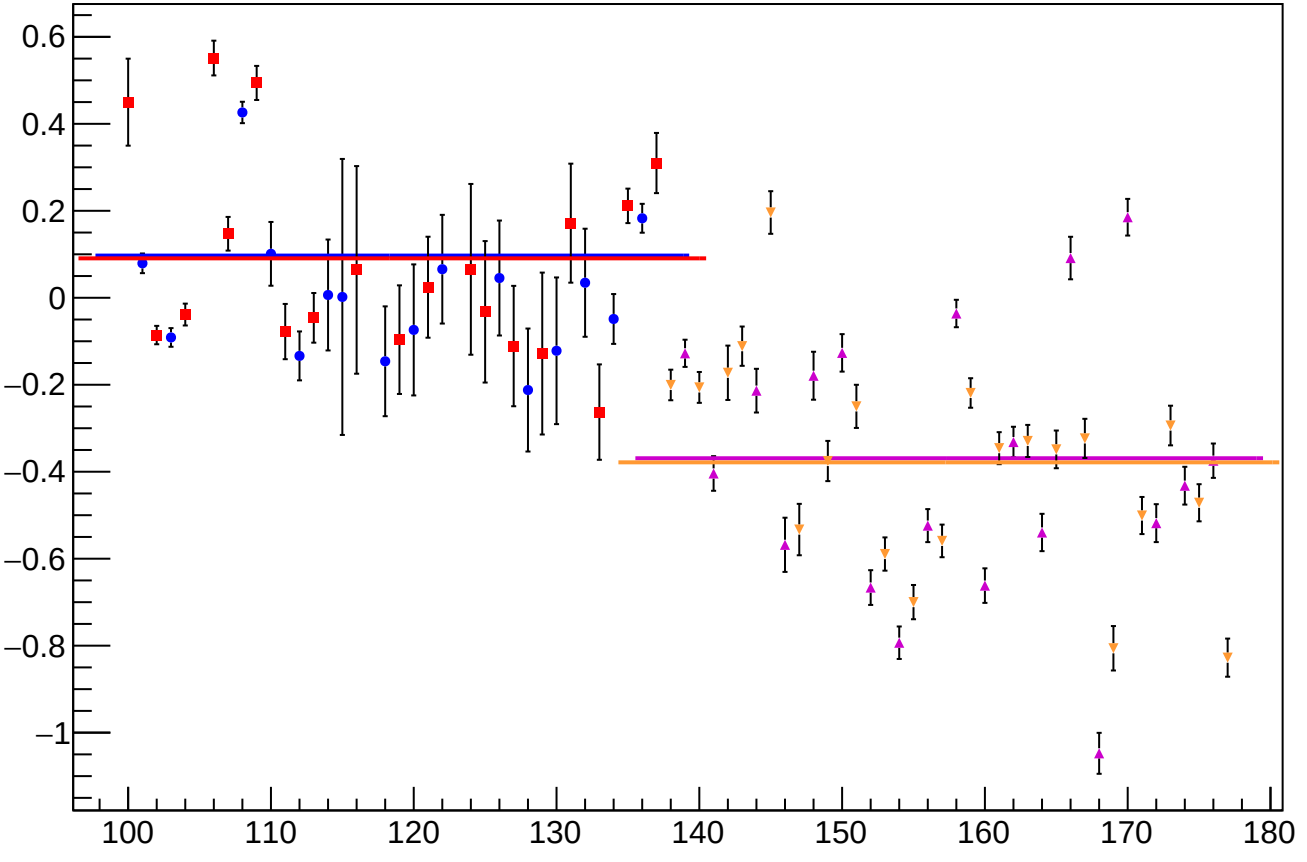
Left In: 73.623+/-0.218 χ^2/NDF:3621.7/18

+ sign 45.801+/-0.161 χ^2/NDF: 74525.7/36

All: 44.952+/-0.116 χ^2/NDF: 139820.3/74

- sign 44.034+/-0.168 χ^2/NDF: 65237.0/37

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.378+/-0.009 χ^2/NDF:584.1/20

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

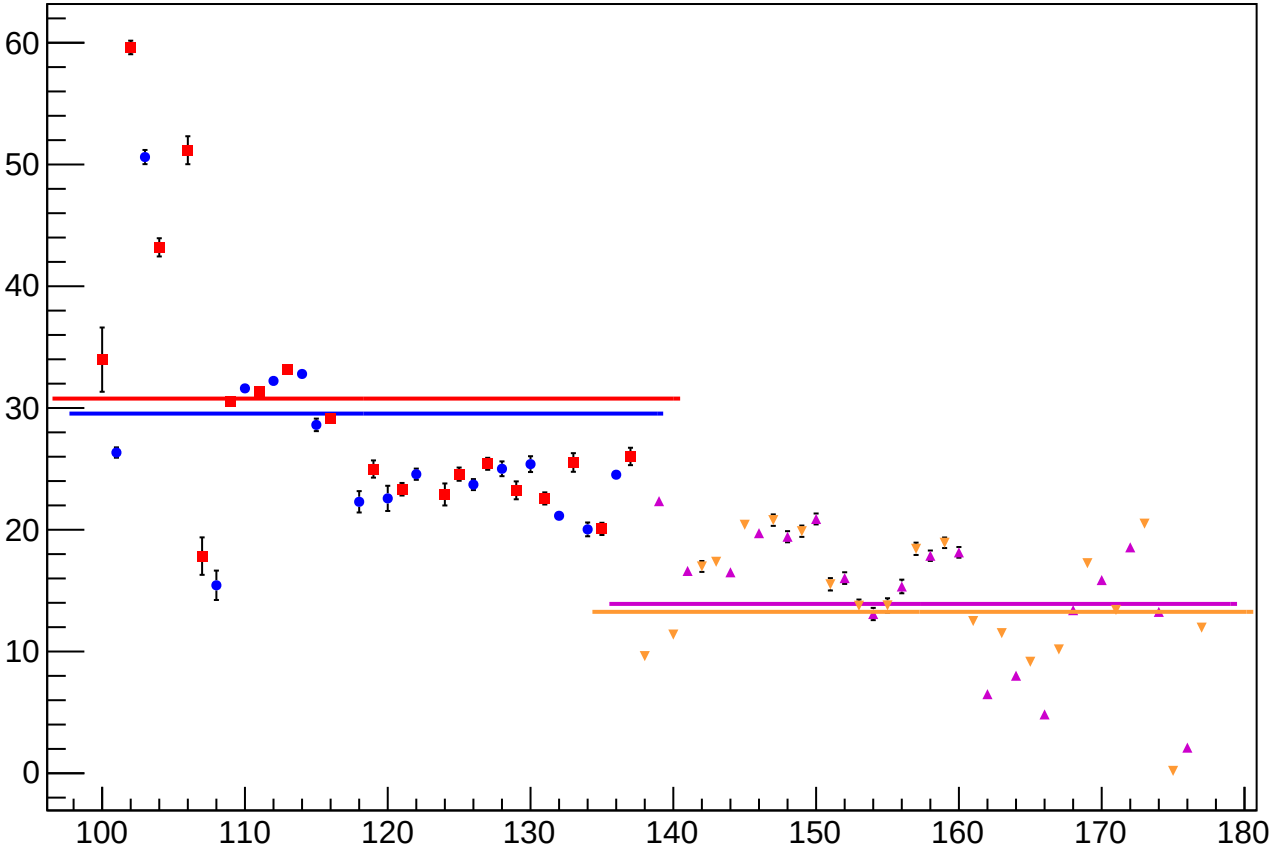
Left In: -0.369+/-0.009 χ^2/NDF:990.2/18

+ sign -0.187+/-0.007 χ^2/NDF: 1957.0/36

All: -0.185+/-0.005 χ^2/NDF: 4315.8/74

- sign -0.183+/-0.007 χ^2/NDF: 2358.7/37

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 13.259+/-0.077 χ^2/NDF:5809.7/20

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

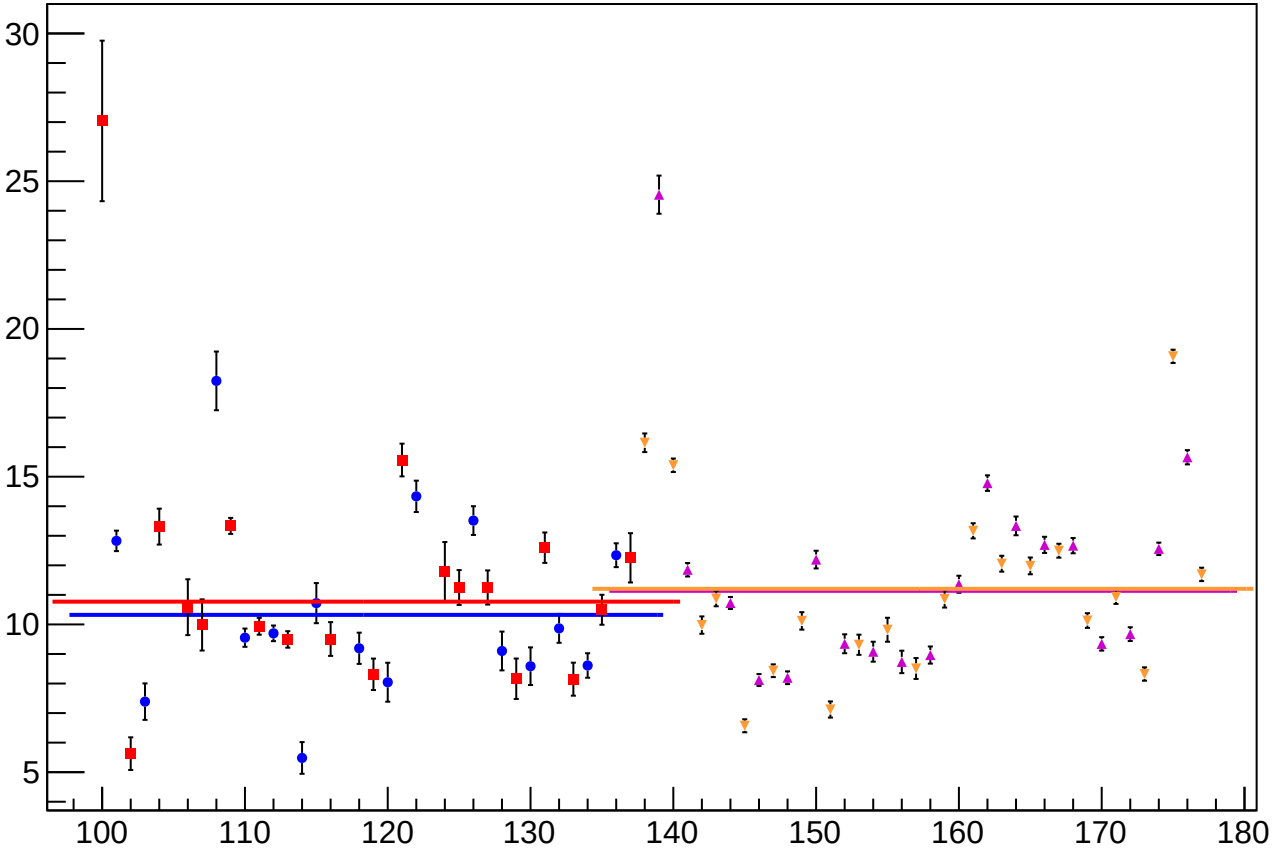
Left In: 13.910+/-0.080 χ^2/NDF:5193.4/18

+ sign 19.966+/-0.059 χ^2/NDF: 27622.3/36

All: 21.203+/-0.041 χ^2/NDF: 60865.4/74

- sign 22.345+/-0.057 χ^2/NDF: 32397.5/37

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.205+/-0.057 χ^2/NDF:3062.1/20

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

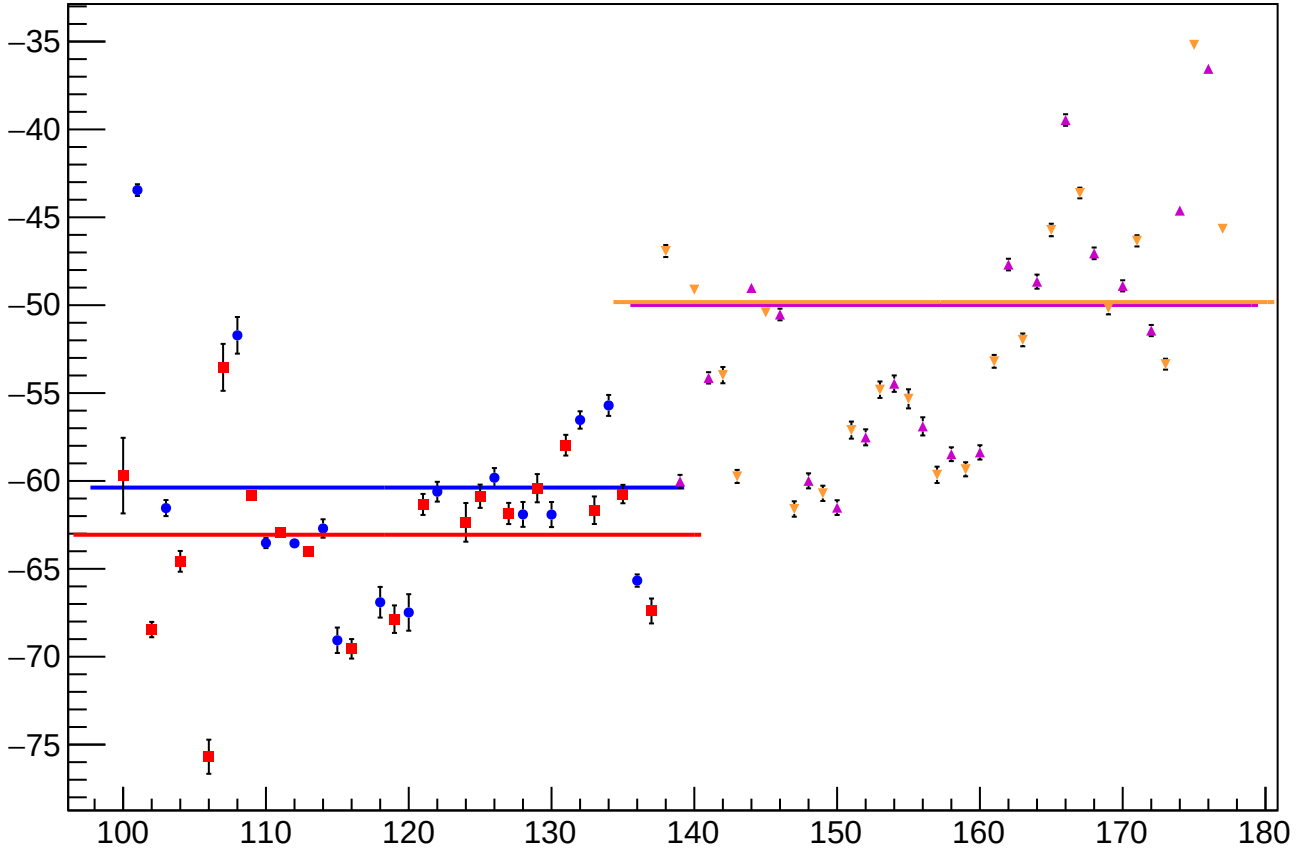
Left In: 11.137+/-0.059 χ^2/NDF:1839.2/18

\+ sign 11.029+/-0.051 χ^2/NDF: 3512.7/36

All: 11.043+/-0.037 χ^2/NDF: 5776.1/74

\- sign 11.058+/-0.053 χ^2/NDF: 2263.3/37

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -49.824+/-0.077 χ^2/NDF:8546.4/20

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

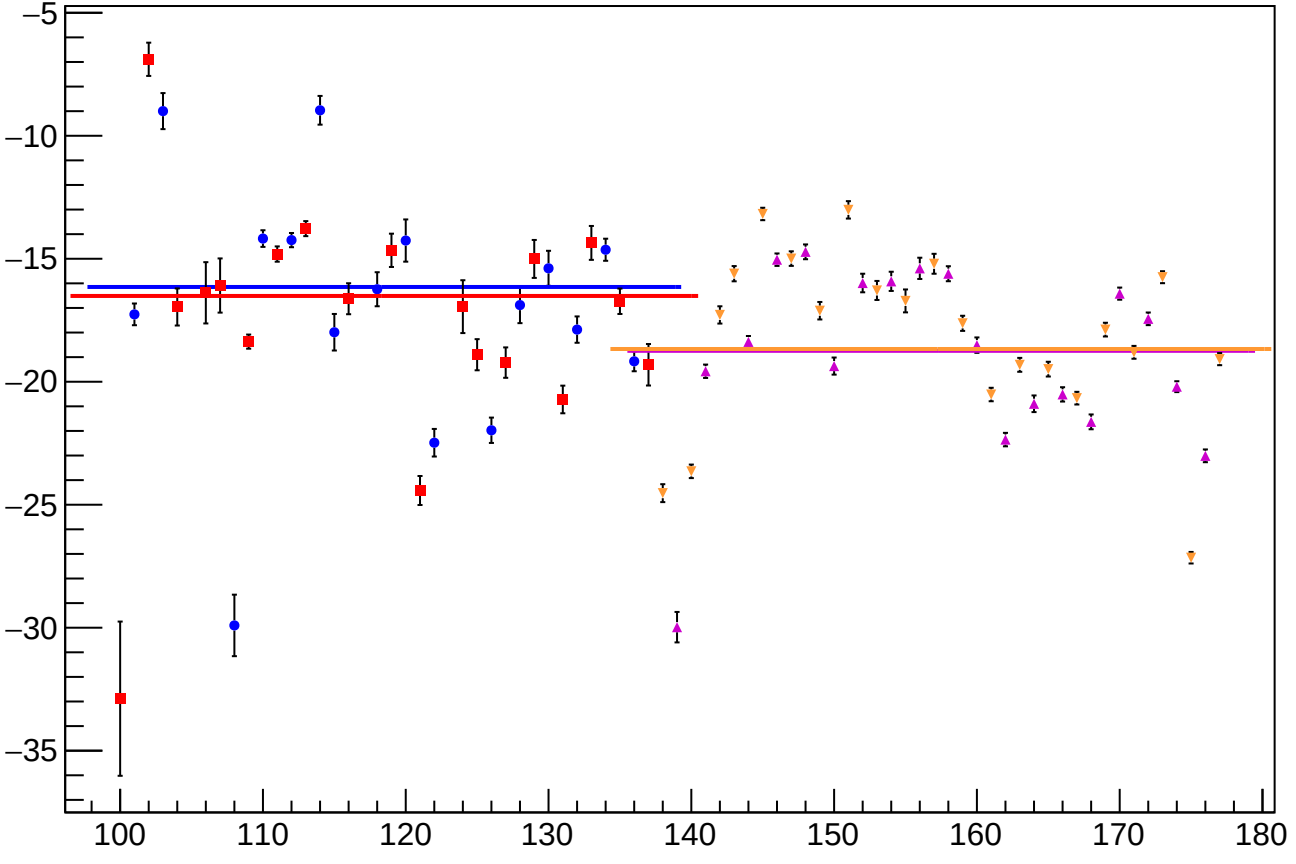
Left In: -49.988+/-0.080 χ^2/NDF:7740.1/18

+ sign -53.149+/-0.063 χ^2/NDF: 18118.1/36

All: -53.891+/-0.045 χ^2/NDF: 36541.8/74

- sign -54.647+/-0.064 χ^2/NDF: 18147.3/37

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.669+/-0.064 χ^2/NDF:3318.8/20

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

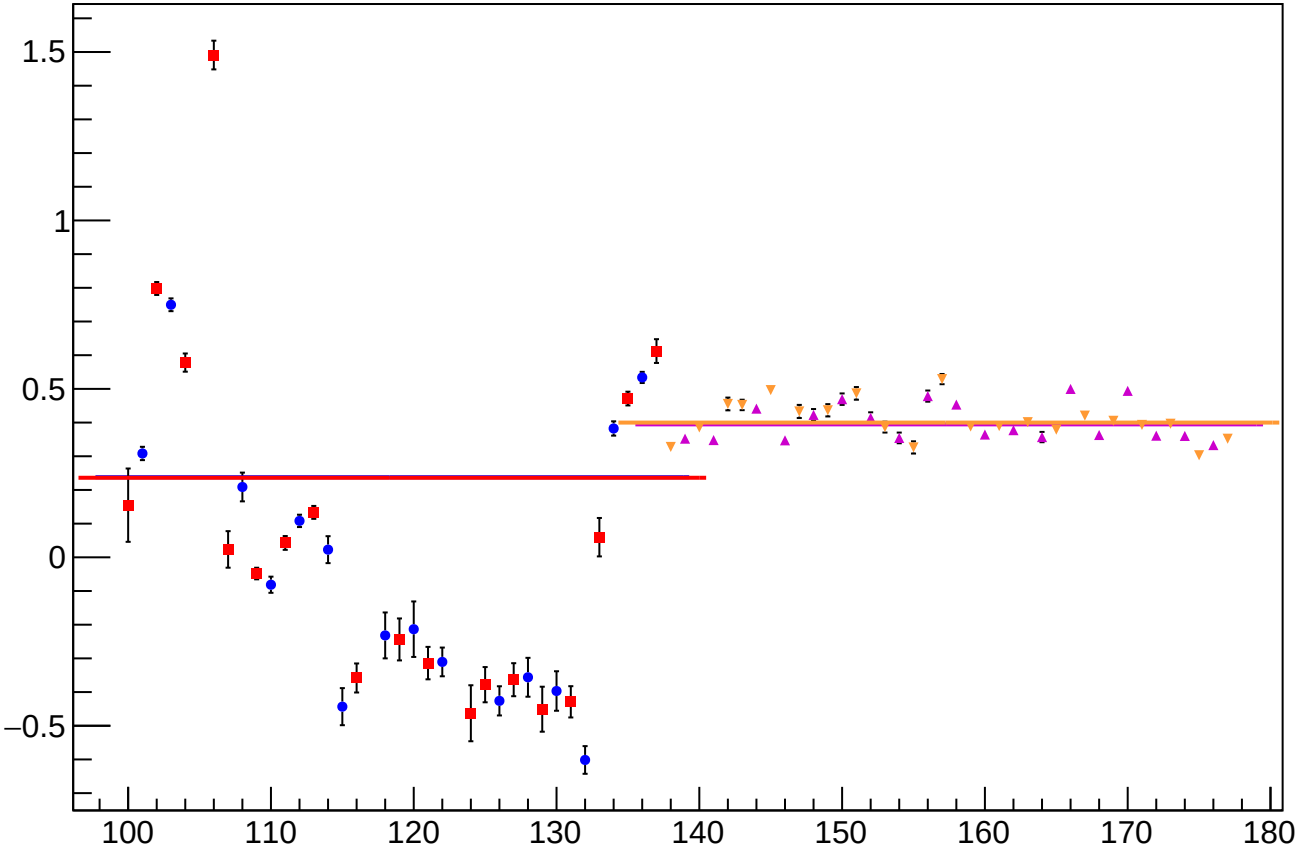
Left In: -18.743+/-0.067 χ^2/NDF:1779.9/18

\+ sign -18.154+/-0.057 χ^2/NDF: 4428.8/36

All: -18.195+/-0.041 χ^2/NDF: 7142.3/74

\- sign -18.238+/-0.059 χ^2/NDF: 2712.4/37

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.400+/-0.003 χ^2/NDF:350.5/20

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

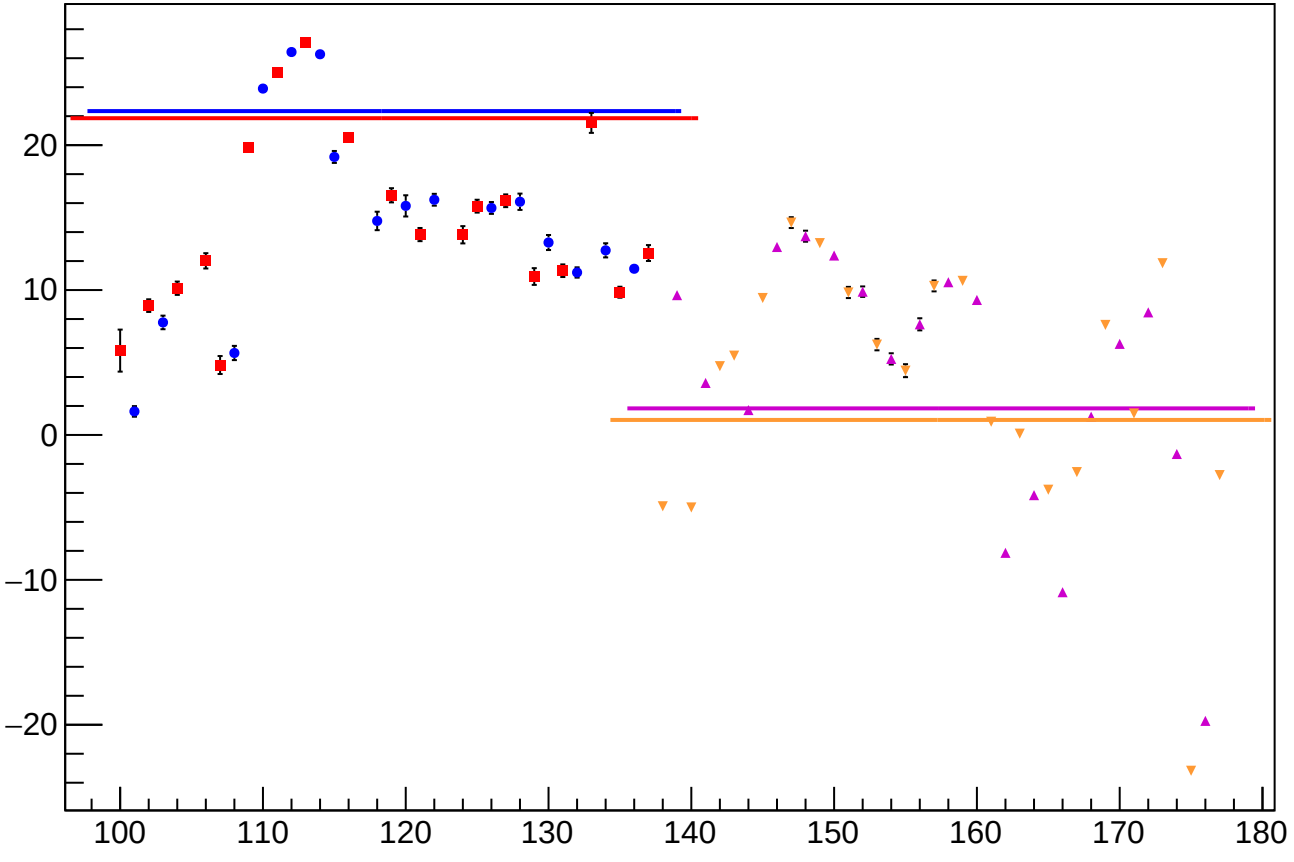
Left In: 0.395+/-0.003 χ^2/NDF:345.2/18

\+ sign 0.376+/-0.003 χ^2/NDF: 3434.4/36

All: 0.374+/-0.002 χ^2/NDF: 7801.1/74

\- sign 0.371+/-0.003 χ^2/NDF: 4364.5/37

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 1.037+/-0.063 χ^2/NDF:23843.6/20

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

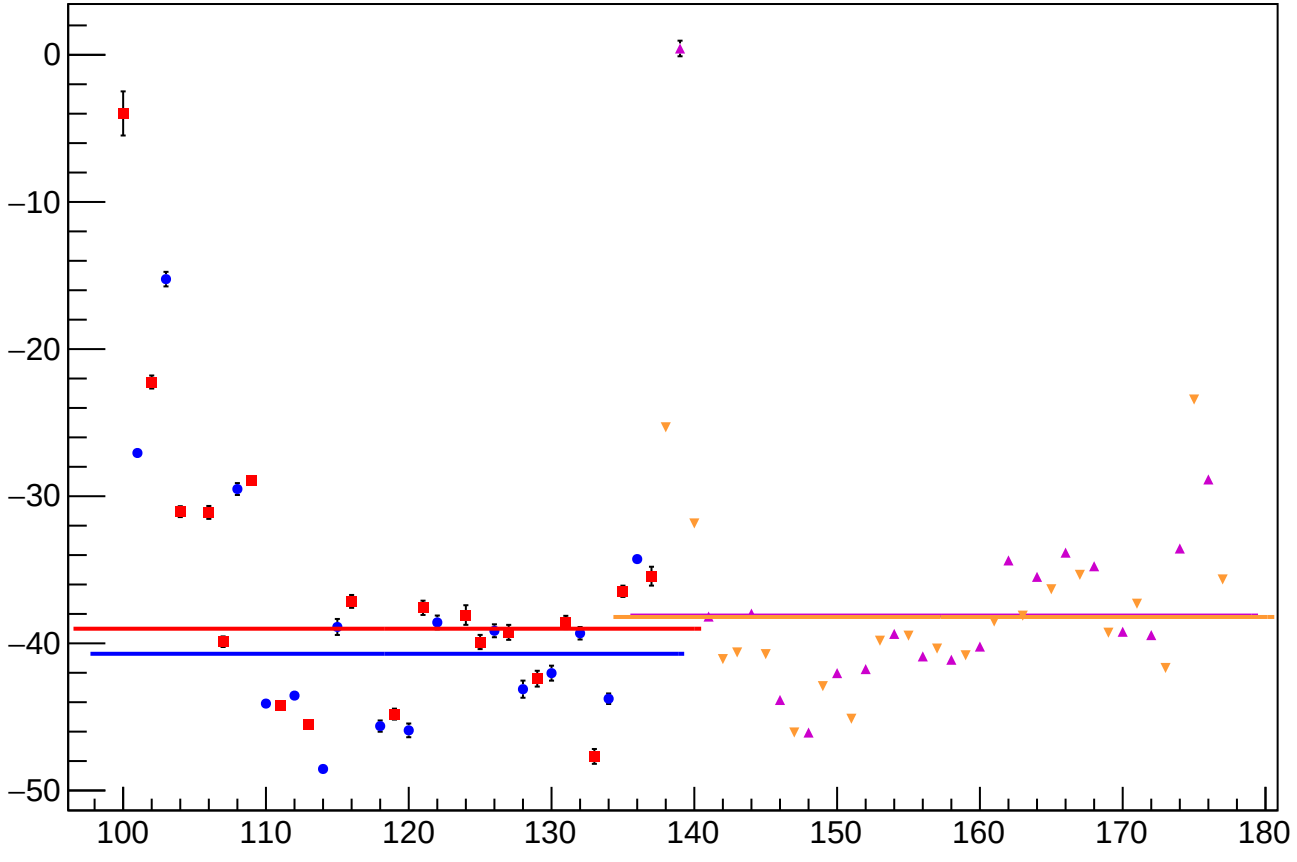
Left In: 1.833+/-0.066 χ^2/NDF:18732.7/18

+ sign 12.793+/-0.042 χ^2/NDF: 99862.5/36

All: 14.174+/-0.028 χ^2/NDF: 192537.1/74

- sign 15.302+/-0.038 χ^2/NDF: 90711.2/37

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -38.207+/-0.046 χ^2/NDF:14446.5/20

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

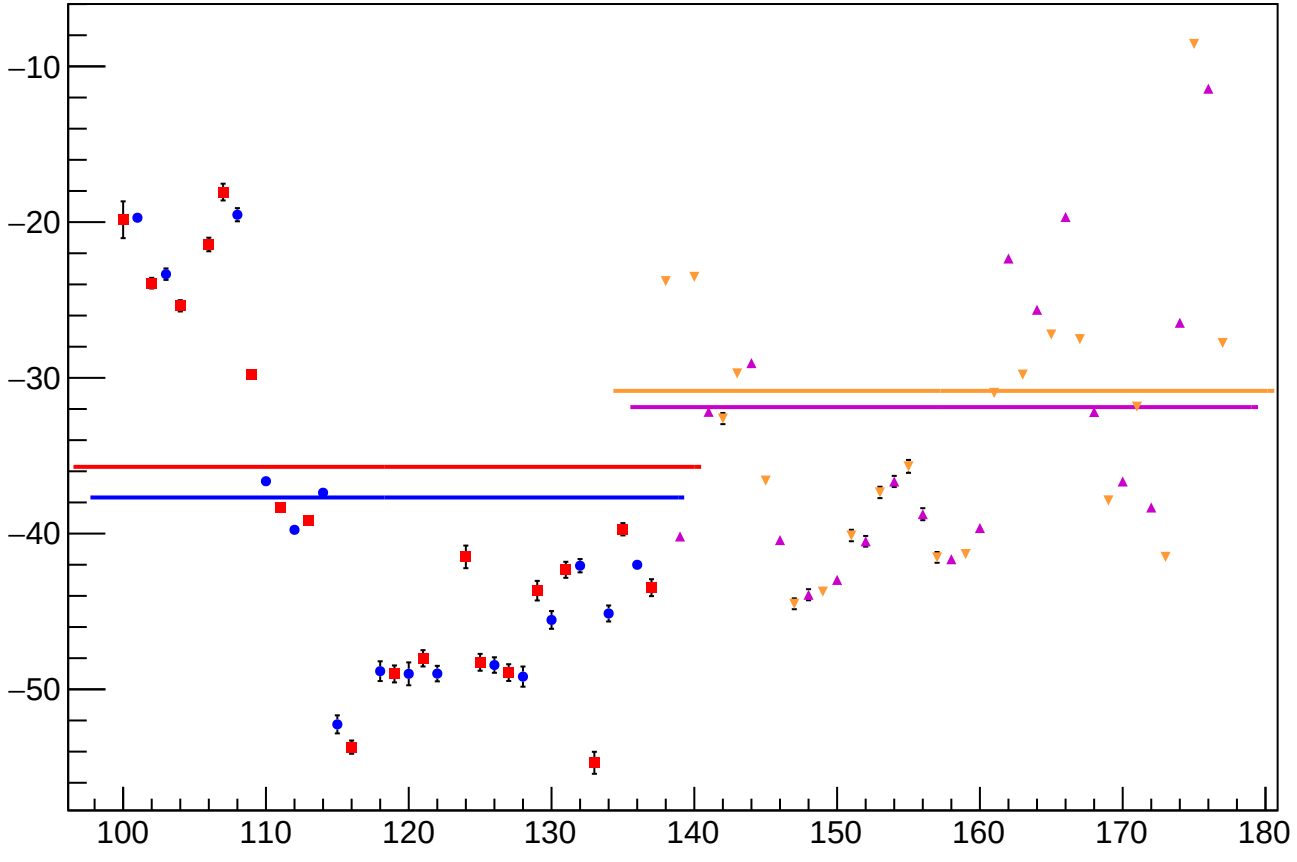
Left In: -38.111+/-0.049 χ^2/NDF:12621.3/18

+ sign -38.872+/-0.039 χ^2/NDF: 23012.1/36

All: -38.643+/-0.028 χ^2/NDF: 45911.3/74

- sign -38.401+/-0.040 χ^2/NDF: 22829.6/37

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -30.836+/-0.062 χ^2/NDF:22379.7/20

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

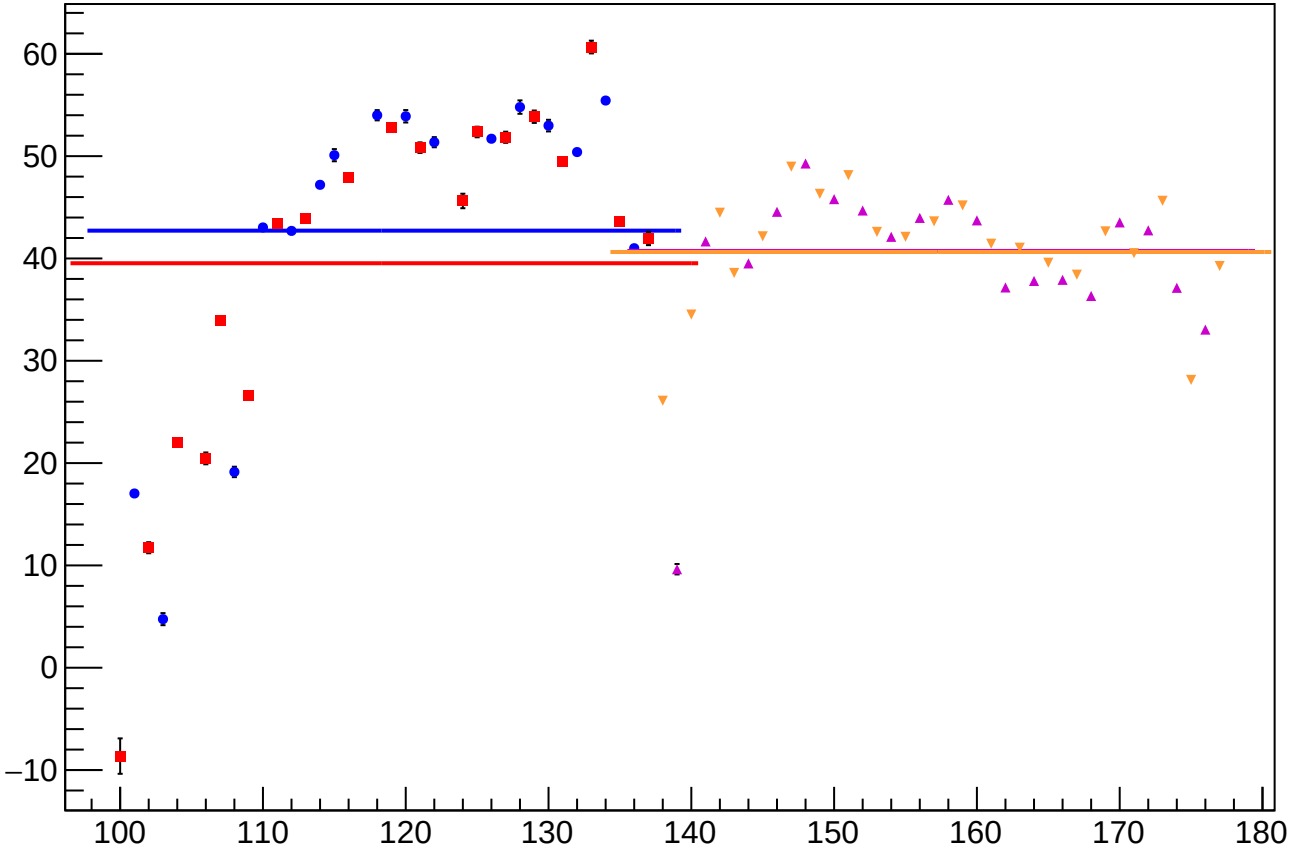
Left In: -31.878+/-0.066 χ^2/NDF:19131.7/18

+ sign -33.688+/-0.048 χ^2/NDF: 38259.4/36

All: -33.767+/-0.033 χ^2/NDF: 72407.7/74

- sign -33.840+/-0.046 χ^2/NDF: 34143.0/37

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.633+/-0.052 χ^2/NDF:10957.2/20

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

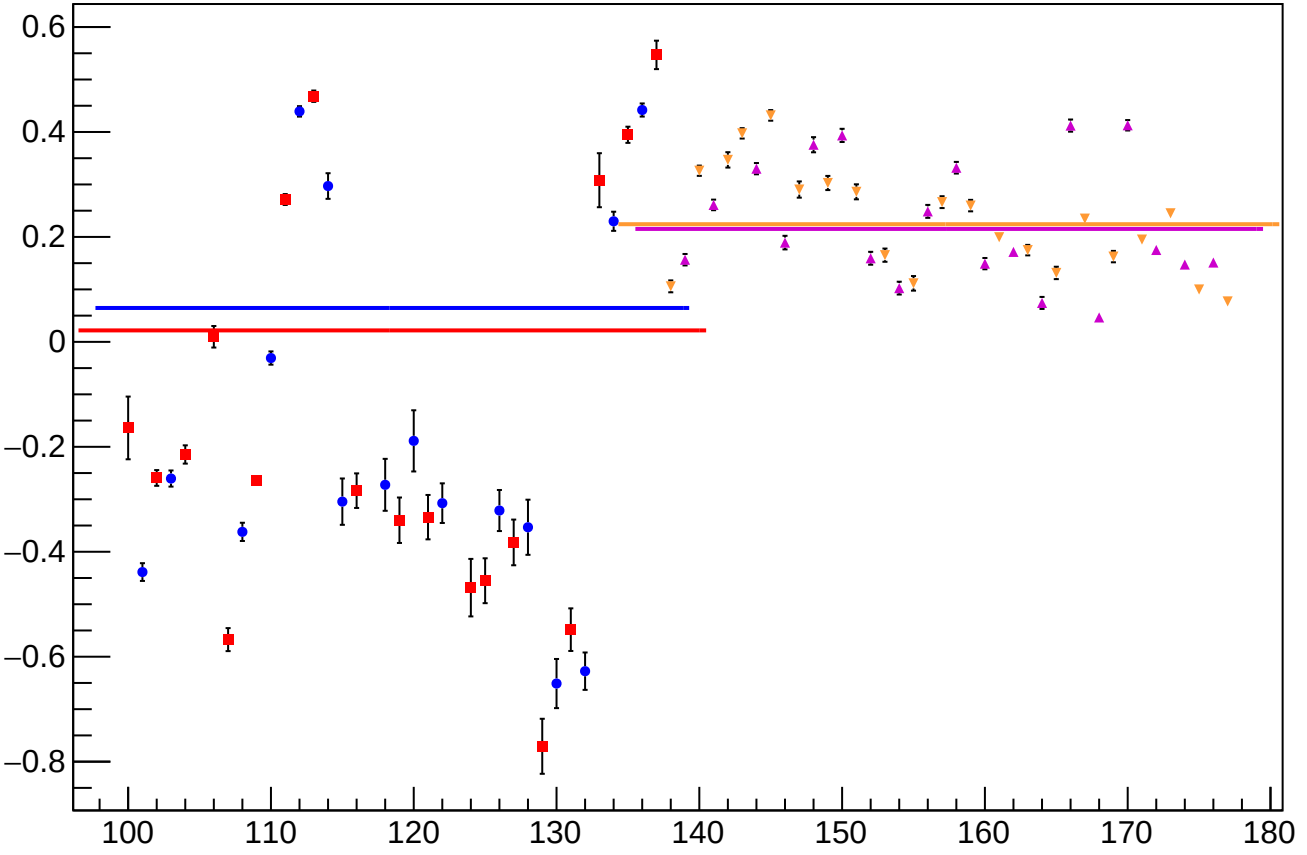
Left In: 40.734+/-0.056 χ^2/NDF:9032.2/18

+ sign 41.204+/-0.045 χ^2/NDF: 26158.5/36

All: 40.775+/-0.032 χ^2/NDF: 53514.7/74

- sign 40.331+/-0.045 χ^2/NDF: 27167.2/37

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.224+/-0.002 χ^2/NDF:1781.7/20

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

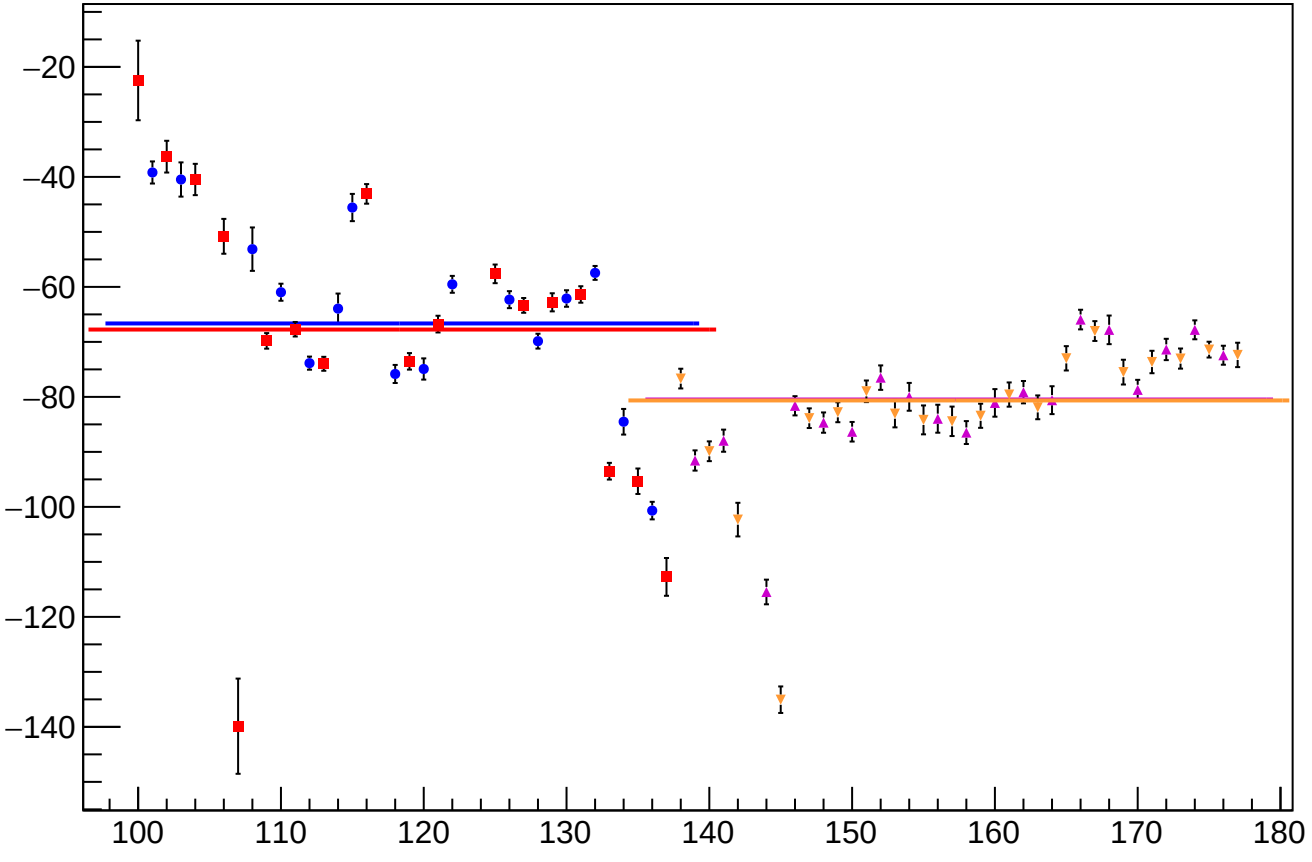
Left In: 0.215+/-0.002 χ^2/NDF:2050.8/18

+ sign 0.193+/-0.002 χ^2/NDF: 8156.6/36

All: 0.181+/-0.002 χ^2/NDF: 18157.6/74

- sign 0.169+/-0.002 χ^2/NDF: 9935.9/37

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -80.646+/-0.457 χ^2/NDF:754.0/19

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

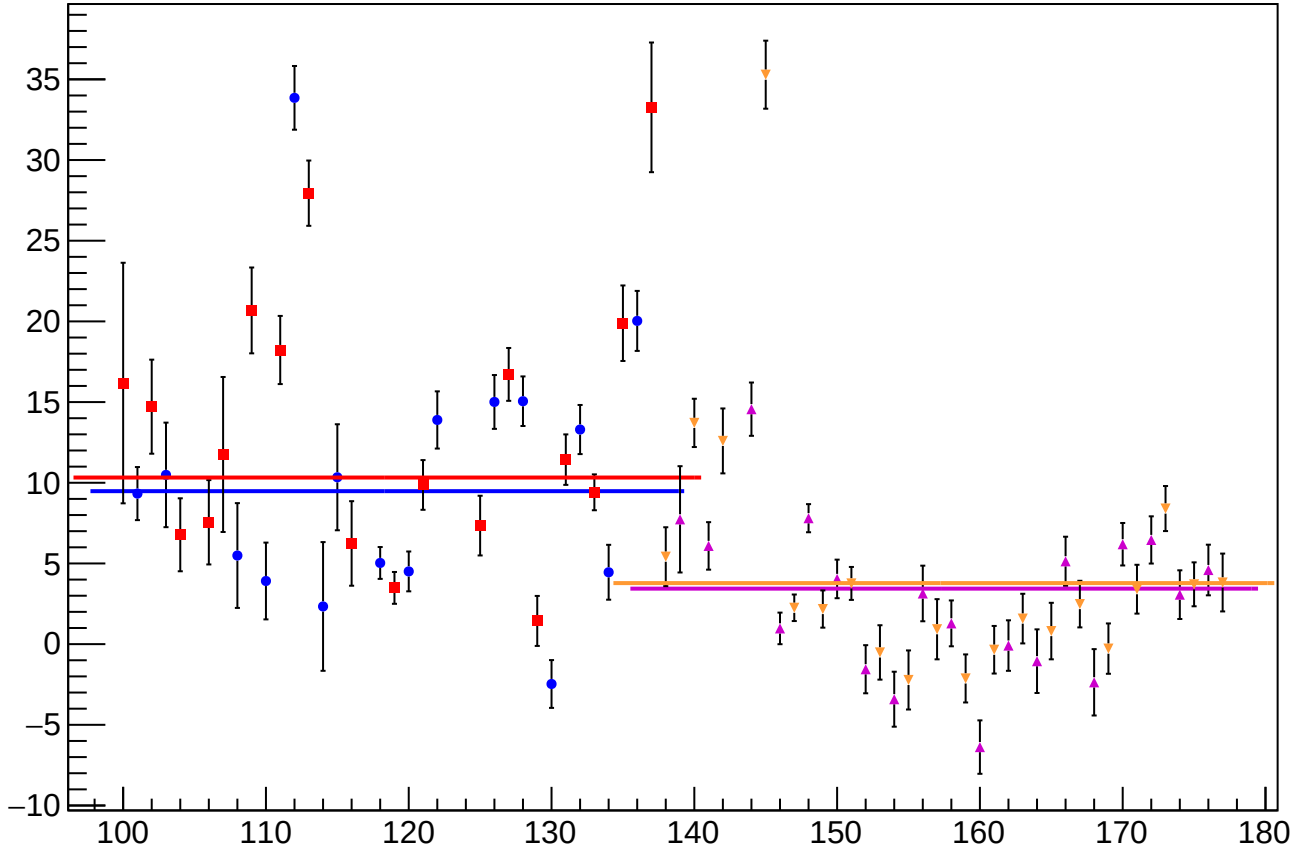
Left In: -80.476+/-0.462 χ^2/NDF:512.9/18

\+ sign -73.157+/-0.312 χ^2/NDF: 2308.2/35

All: -73.329+/-0.220 χ^2/NDF: 4492.5/72

\- sign -73.501+/-0.311 χ^2/NDF: 2183.7/36

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.782+/-0.321 χ^2/NDF:359.5/19

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

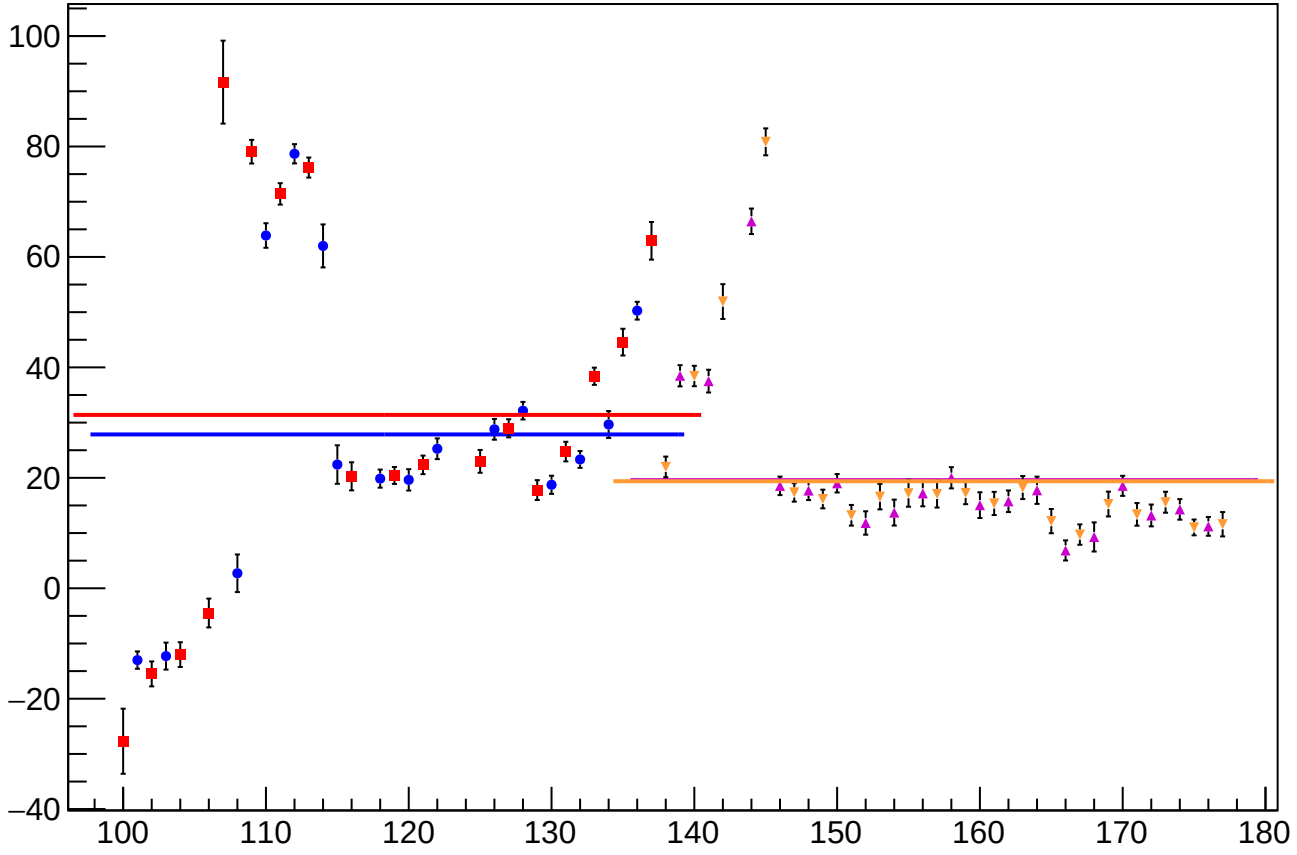
Left In: 3.439+/-0.330 χ^2/NDF:175.6/18

+ sign 5.833+/-0.257 χ^2/NDF: 814.8/35

All: 5.889+/-0.184 χ^2/NDF: 1412.6/72

- sign 5.948+/-0.263 χ^2/NDF: 597.8/36

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 19.387+/-0.449 χ^2/NDF:974.1/19

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

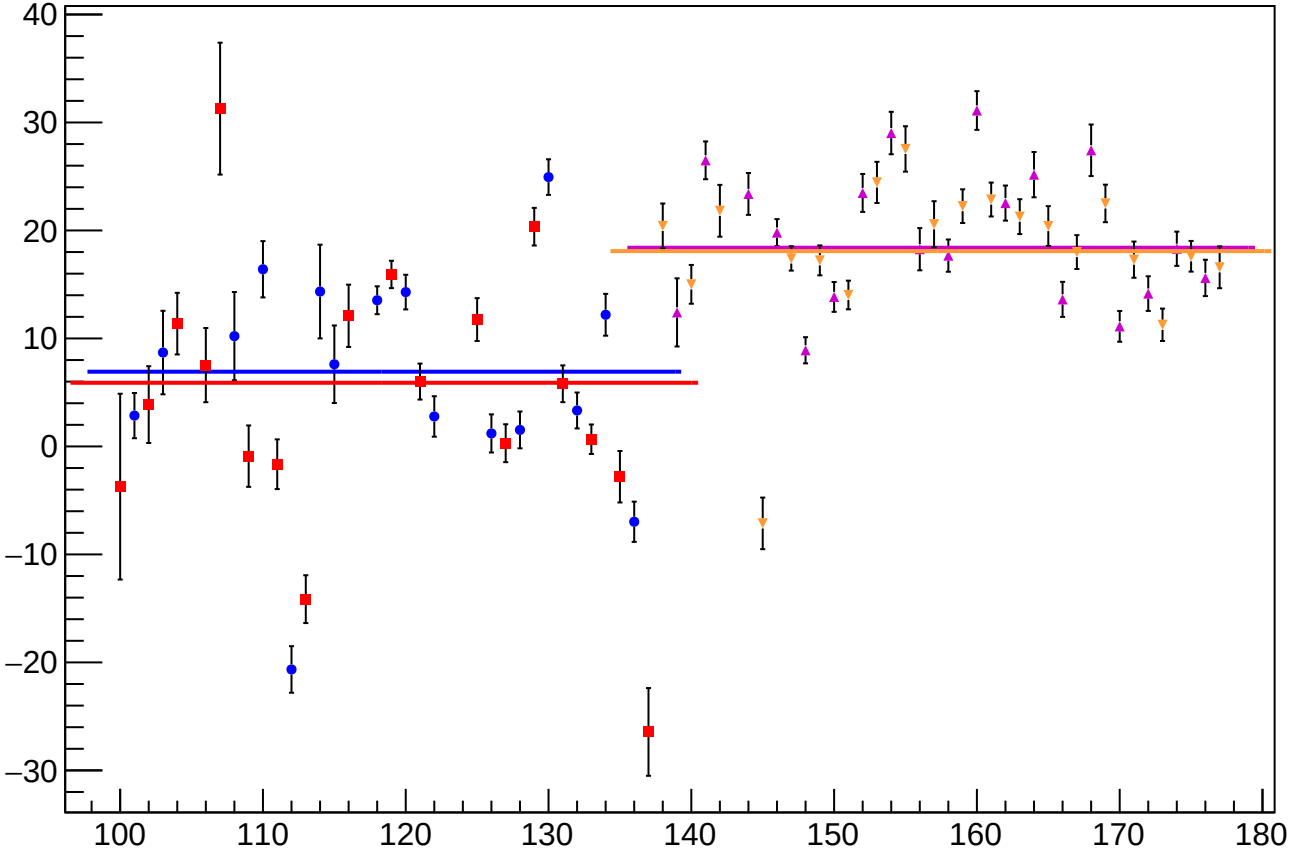
Left In: 19.582+/-0.454 χ^2/NDF:722.3/18

+ sign 23.315+/-0.329 χ^2/NDF: 3613.5/35

All: 24.182+/-0.234 χ^2/NDF: 7675.6/72

- sign 25.068+/-0.332 χ^2/NDF: 4048.1/36

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.088+/-0.371 χ^2/NDF:210.8/19

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

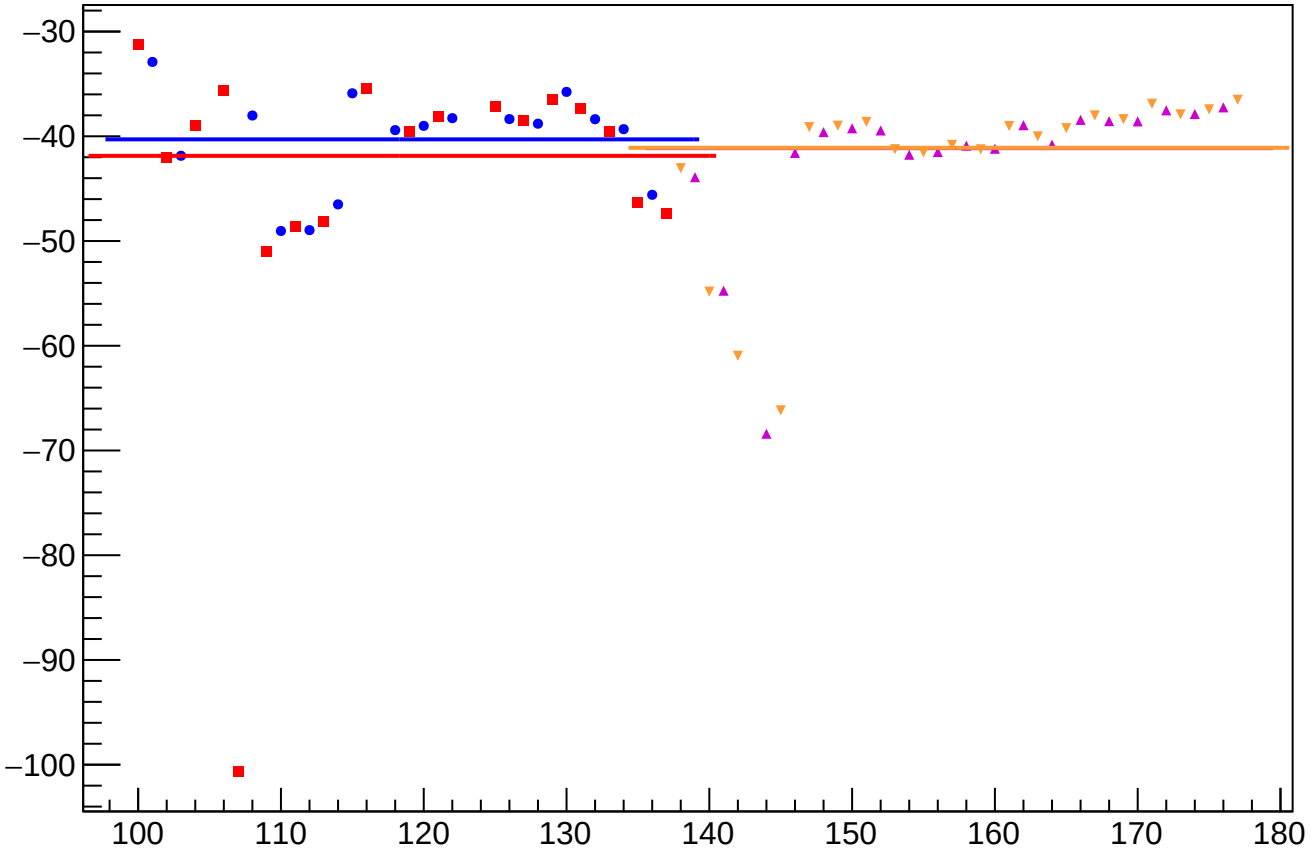
Left In: 18.403+/-0.380 χ^2/NDF:269.0/18

\+ sign 14.083+/-0.297 χ^2/NDF: 980.7/35

All: 13.968+/-0.212 χ^2/NDF: 2012.7/72

\- sign 13.849+/-0.303 χ^2/NDF: 1031.7/36

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.099+/-0.017 χ^2/NDF:139745.3/19

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

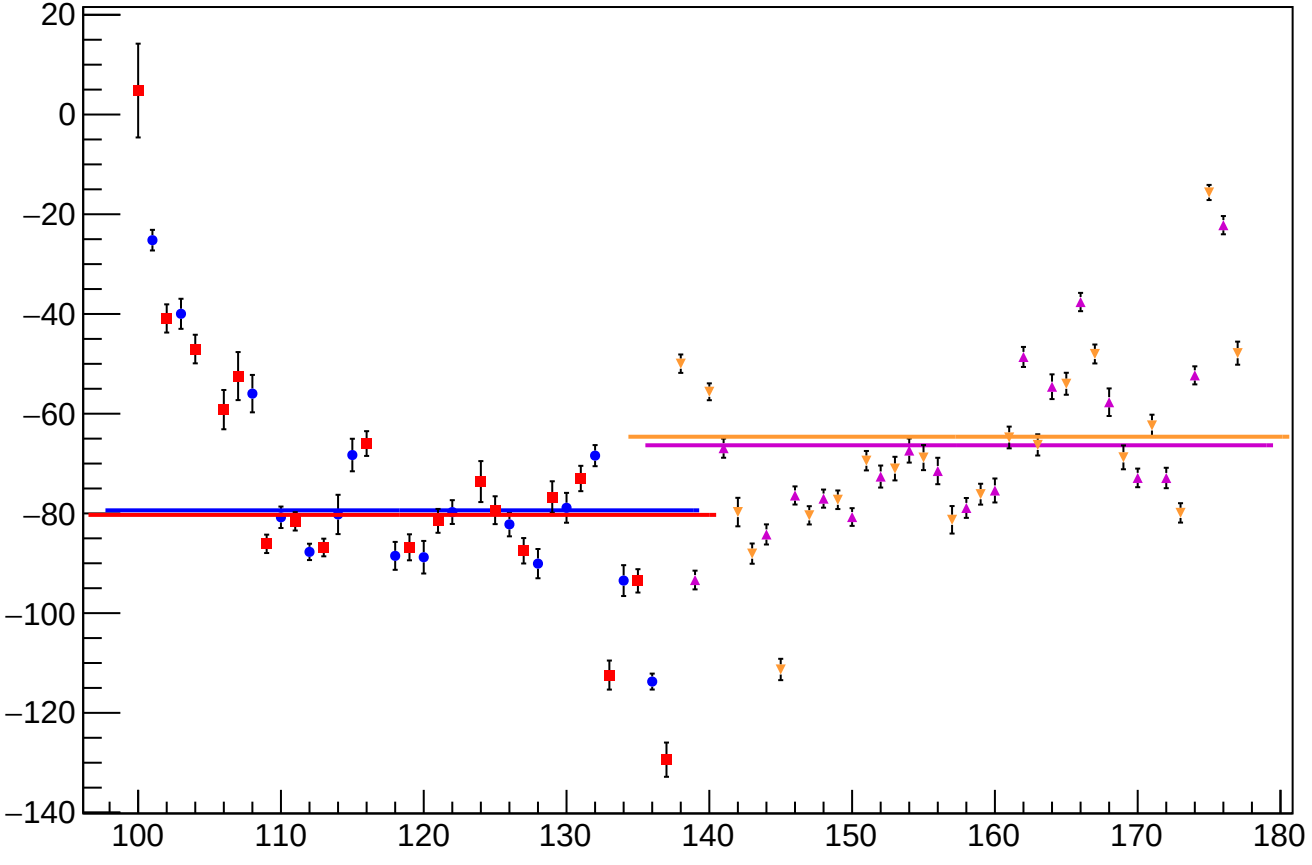
Left In: -41.132+/-0.017 χ^2/NDF:111602.0/18

+ sign -40.915+/-0.015 χ^2/NDF: 160917.0/35

All: -41.104+/-0.011 χ^2/NDF: 331980.1/72

- sign -41.293+/-0.015 χ^2/NDF: 170746.0/36

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -64.618+/-0.449 χ^2/NDF:2191.5/20

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

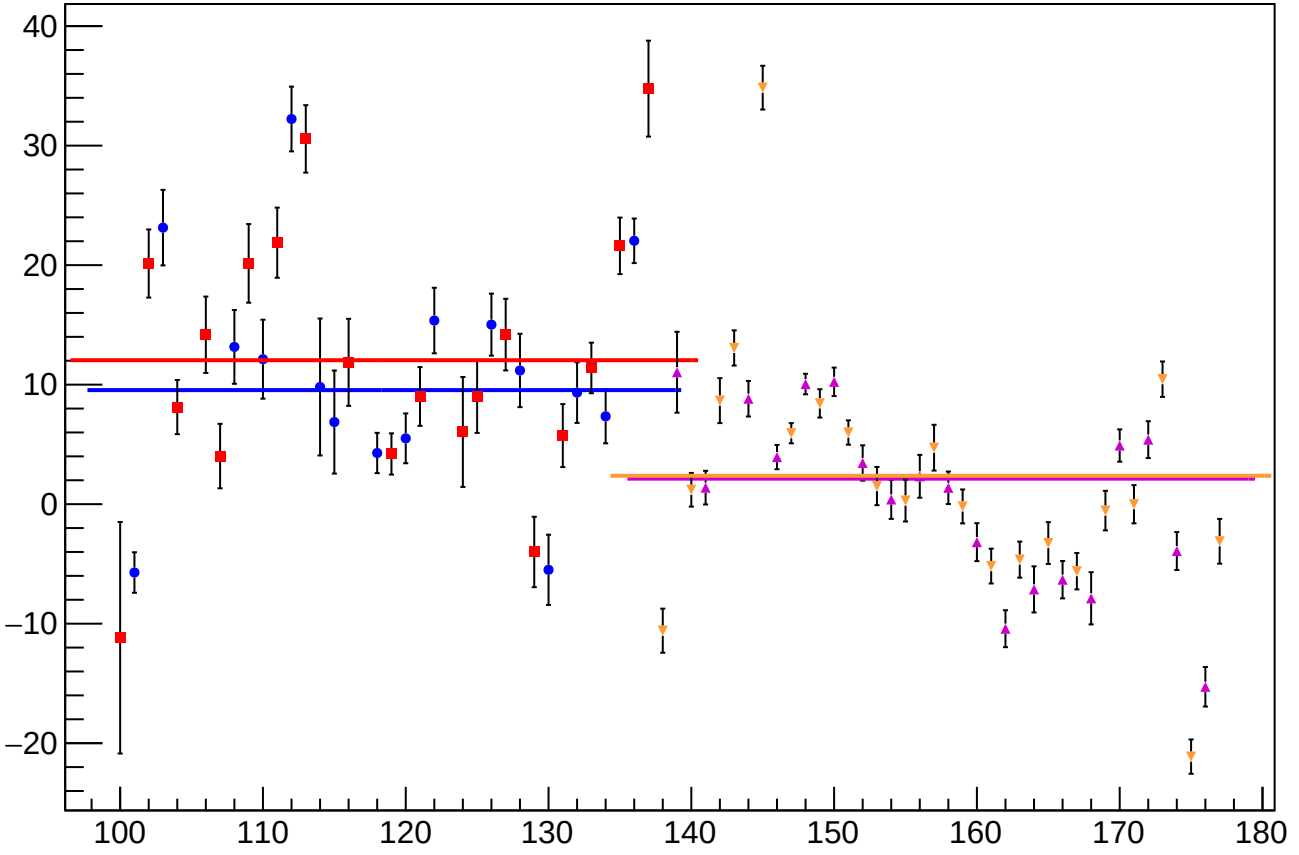
Left In: -66.335+/-0.465 χ^2/NDF:1502.0/18

+ sign -69.795+/-0.362 χ^2/NDF: 4046.5/36

All: -70.645+/-0.258 χ^2/NDF: 6809.8/74

- sign -71.525+/-0.368 χ^2/NDF: 2752.2/37

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 2.375+/-0.315 χ^2/NDF:888.8/20

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

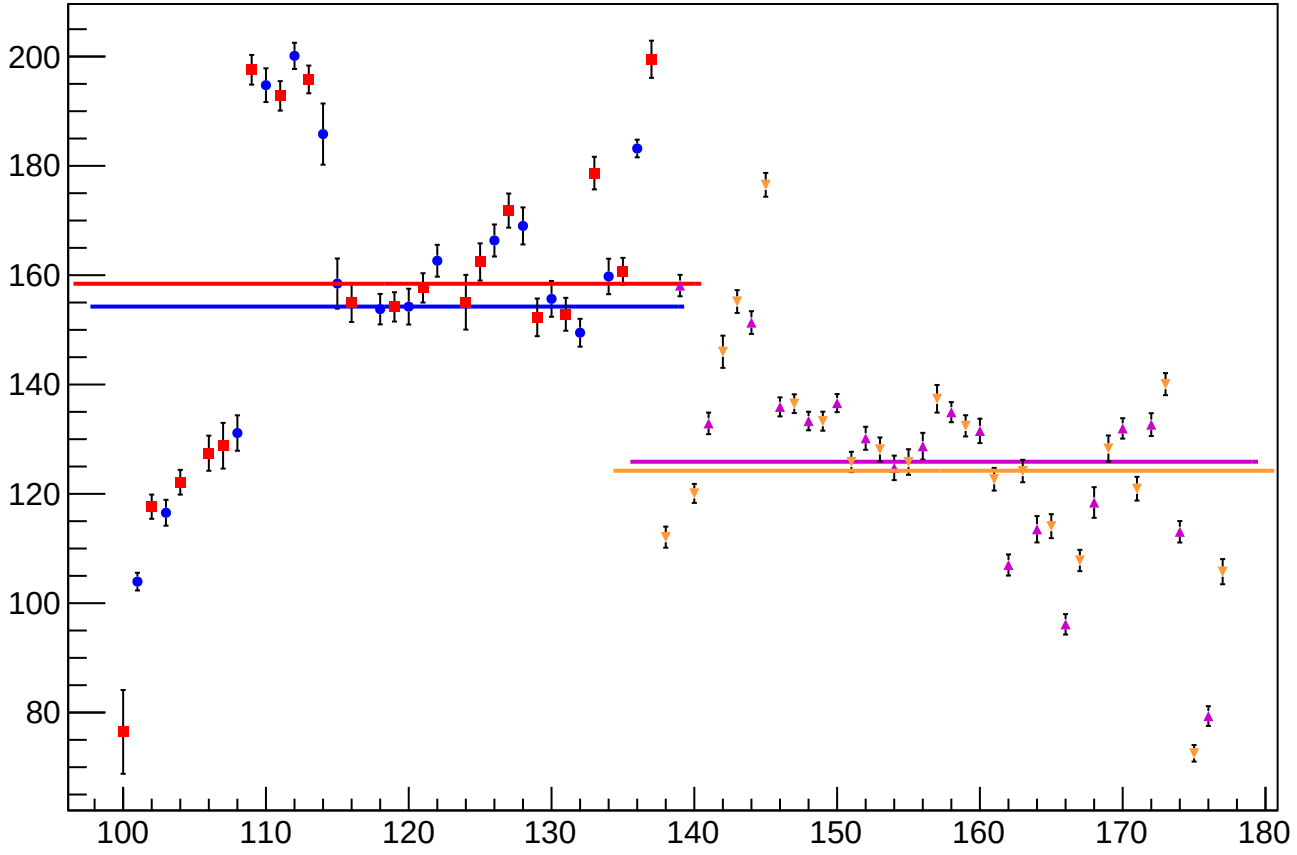
Left In: 2.133+/-0.330 χ^2/NDF:448.8/18

+ sign 3.844+/-0.281 χ^2/NDF: 1261.6/36

All: 4.028+/-0.203 χ^2/NDF: 2098.2/74

- sign 4.228+/-0.293 χ^2/NDF: 835.6/37

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 124.231+/-0.441 χ^2/NDF:2416.0/20

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

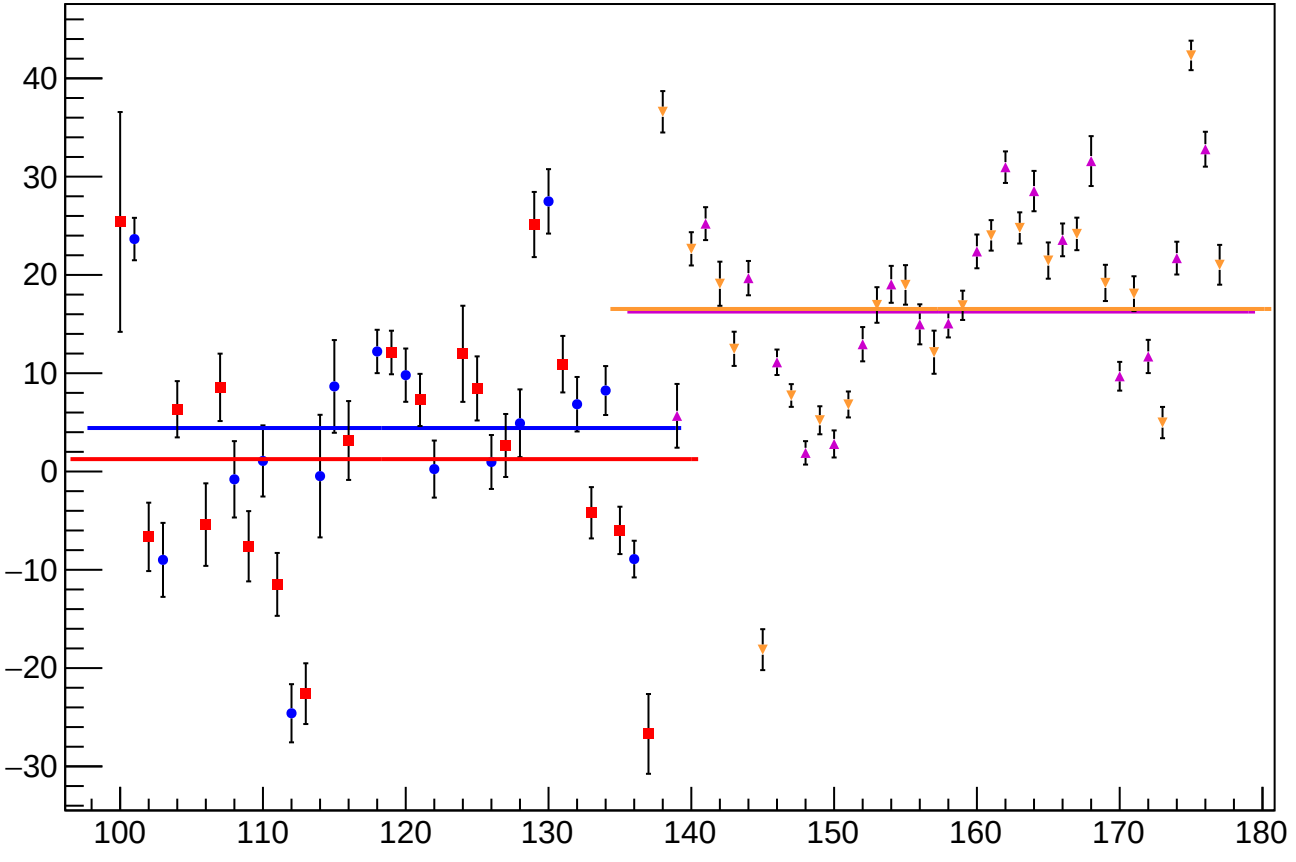
Left In: 125.876+/-0.456 χ^2/NDF:1673.0/18

+ sign 133.479+/-0.367 χ^2/NDF: 6054.8/36

All: 134.660+/-0.264 χ^2/NDF: 10986.8/74

- sign 135.919+/-0.379 χ^2/NDF: 4910.6/37

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 16.537+/-0.365 χ^2/NDF:1003.2/20

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

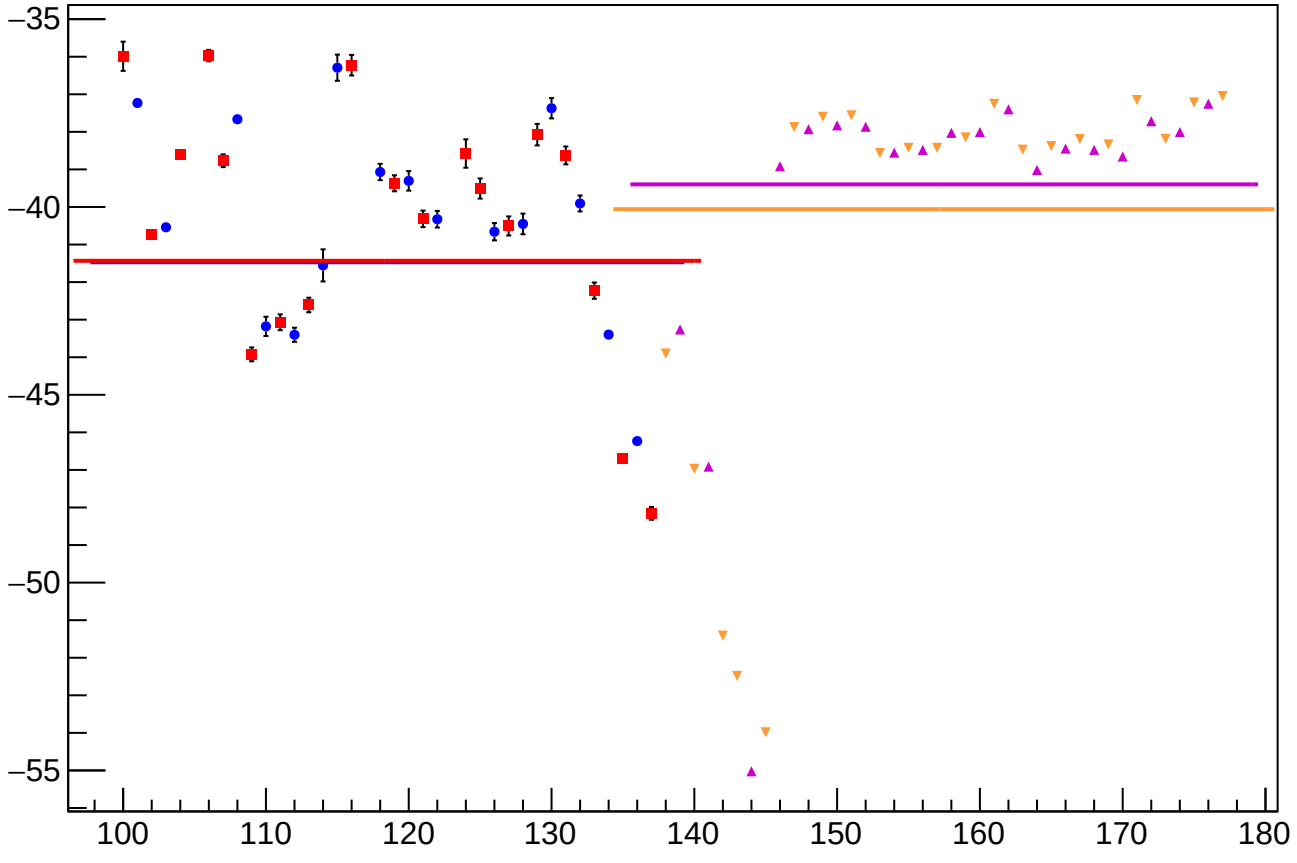
Left In: 16.273+/-0.380 χ^2/NDF:619.2/18

\+ sign 14.032+/-0.325 χ^2/NDF: 1547.6/36

All: 13.575+/-0.234 χ^2/NDF: 2767.4/74

\- sign 13.082+/-0.337 χ^2/NDF: 1215.7/37

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.060+/-0.017 χ^2/NDF:79663.7/20

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

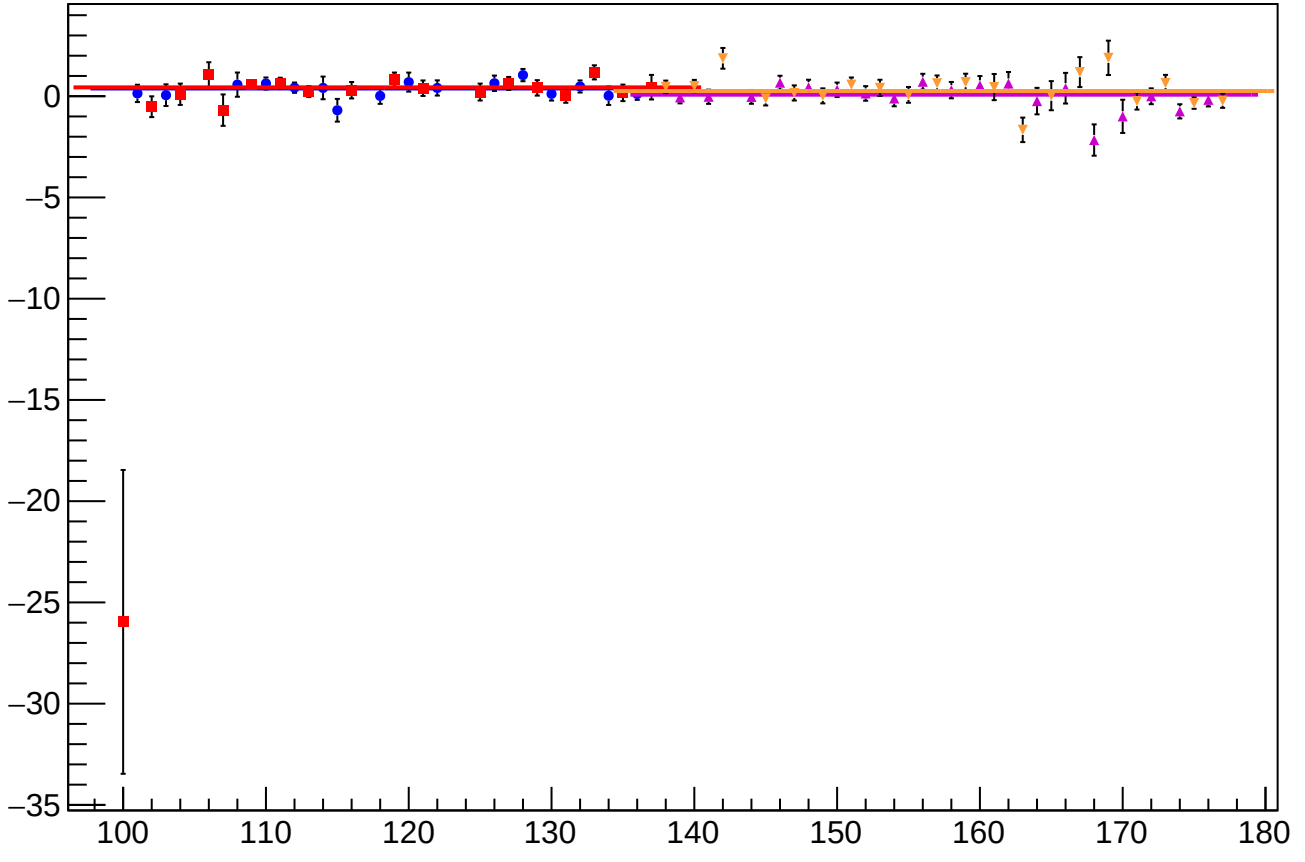
Left In: -39.398+/-0.017 χ^2/NDF:45268.5/18

+ sign -40.291+/-0.015 χ^2/NDF: 88723.5/36

All: -40.011+/-0.011 χ^2/NDF: 145123.3/74

- sign -39.720+/-0.016 χ^2/NDF: 55726.2/37

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.256+/-0.090 χ^2/NDF:40.1/19

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

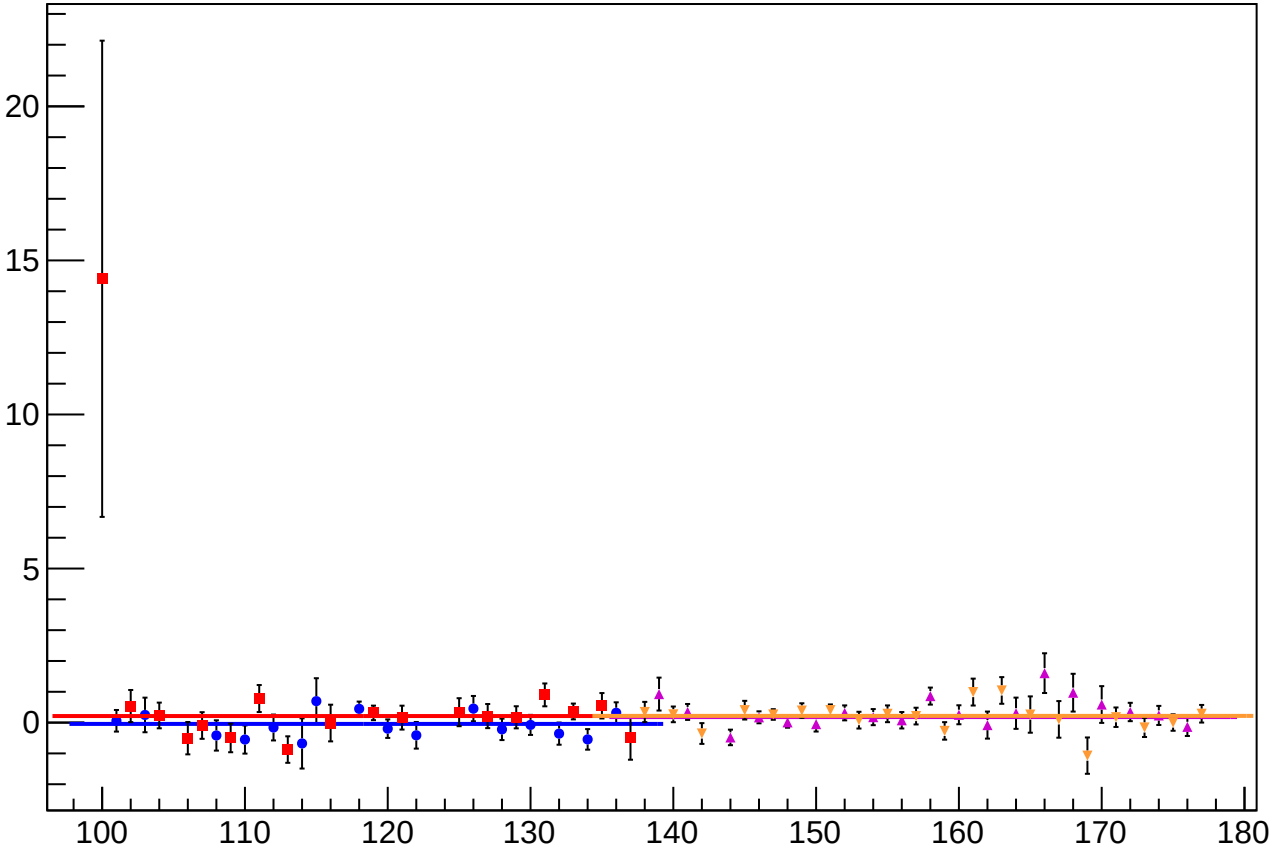
Left In: 0.075+/-0.092 χ^2/NDF:26.7/18

+ sign 0.317+/-0.064 χ^2/NDF: 55.1/35

All: 0.289+/-0.046 χ^2/NDF: 119.0/72

- sign 0.260+/-0.064 χ^2/NDF: 63.5/36

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.218+/-0.064 χ^2/NDF:22.1/19

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

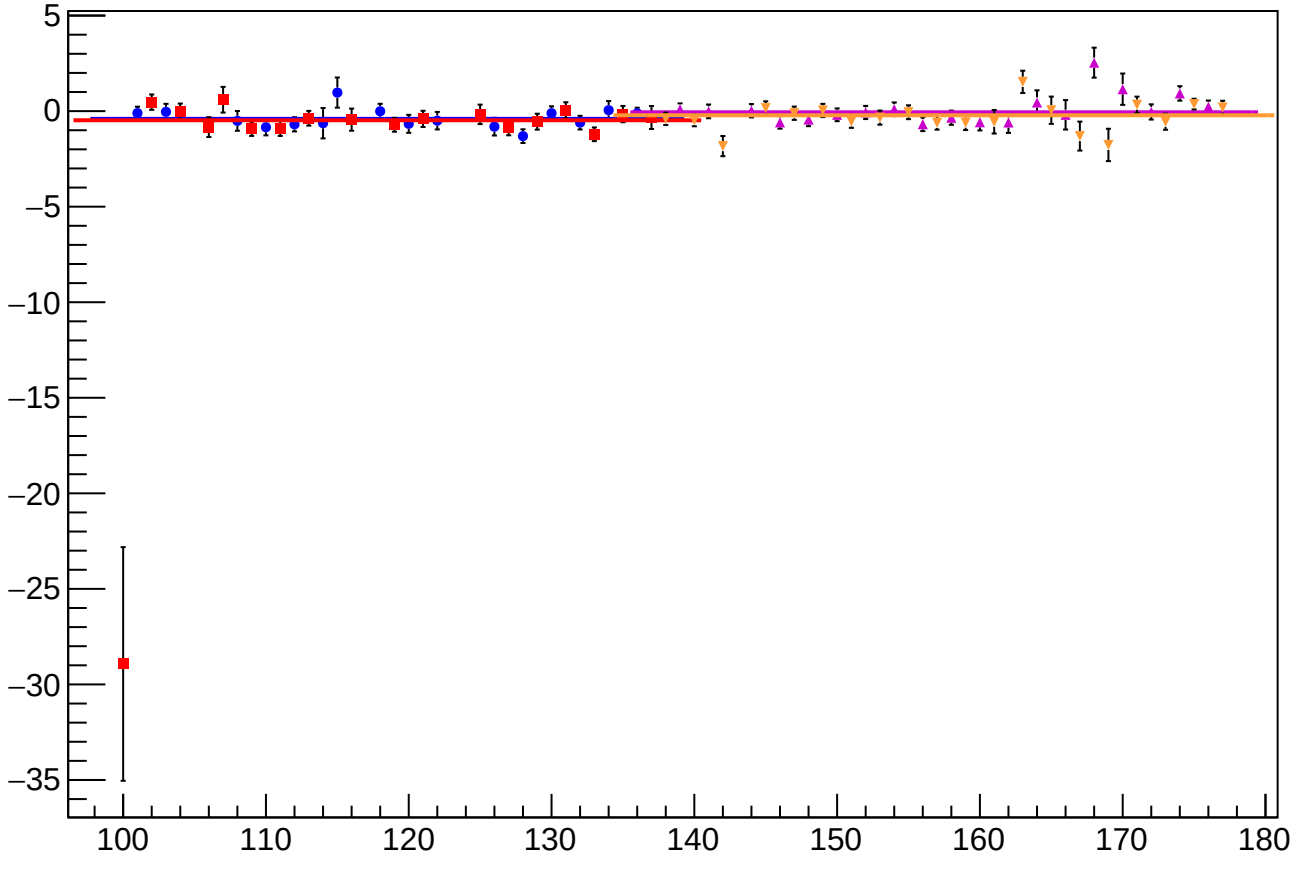
Left In: 0.180+/-0.066 χ^2/NDF:26.6/18

+ sign 0.135+/-0.053 χ^2/NDF: 42.4/35

All: 0.162+/-0.038 χ^2/NDF: 92.0/72

- sign 0.190+/-0.054 χ^2/NDF: 49.1/36

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.217+/-0.088 χ^2/NDF:38.5/19

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

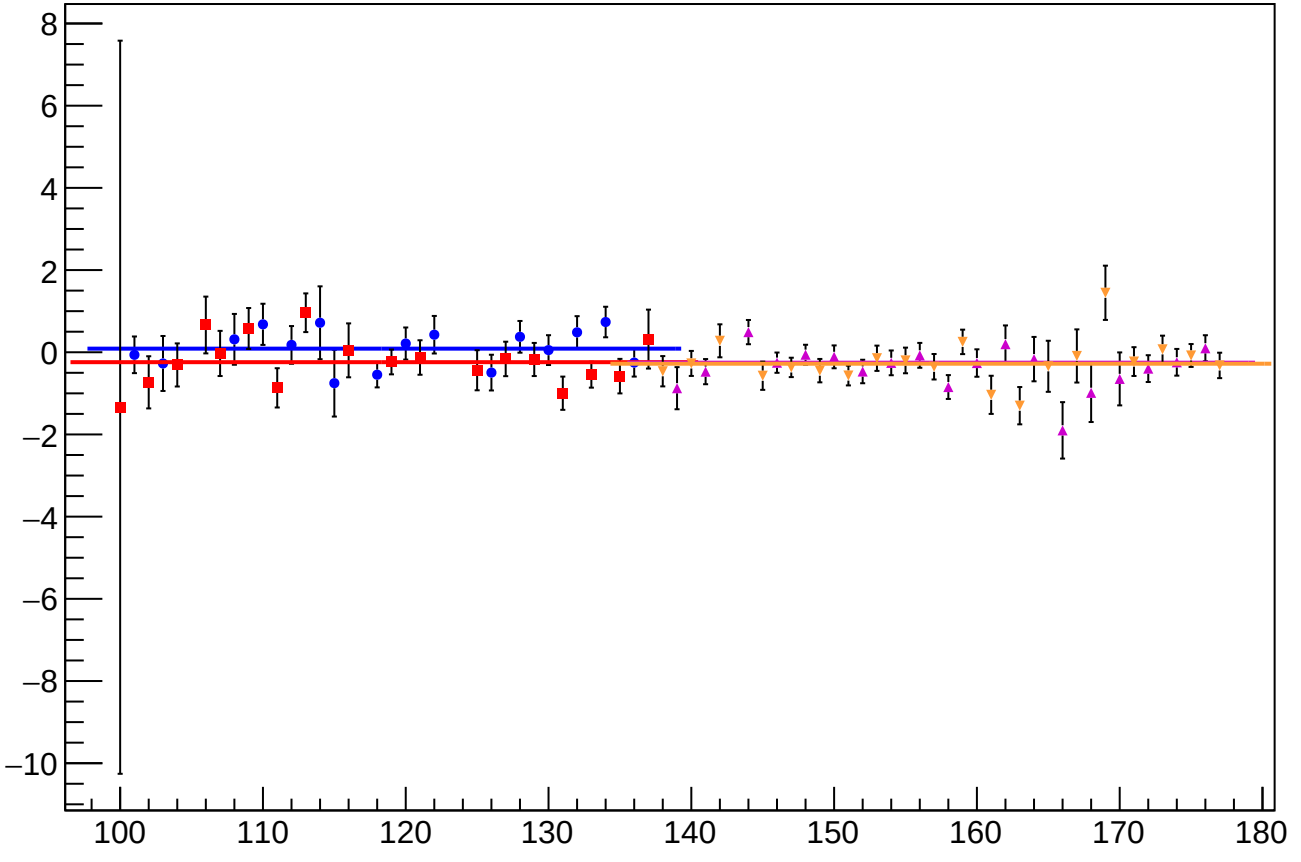
Left In: -0.062+/-0.090 χ^2/NDF:31.9/18

+ sign -0.297+/-0.067 χ^2/NDF: 58.2/35

All: -0.269+/-0.048 χ^2/NDF: 141.8/72

- sign -0.240+/-0.068 χ^2/NDF: 83.2/36

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.279+/-0.074 χ^2/NDF:24.6/19

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

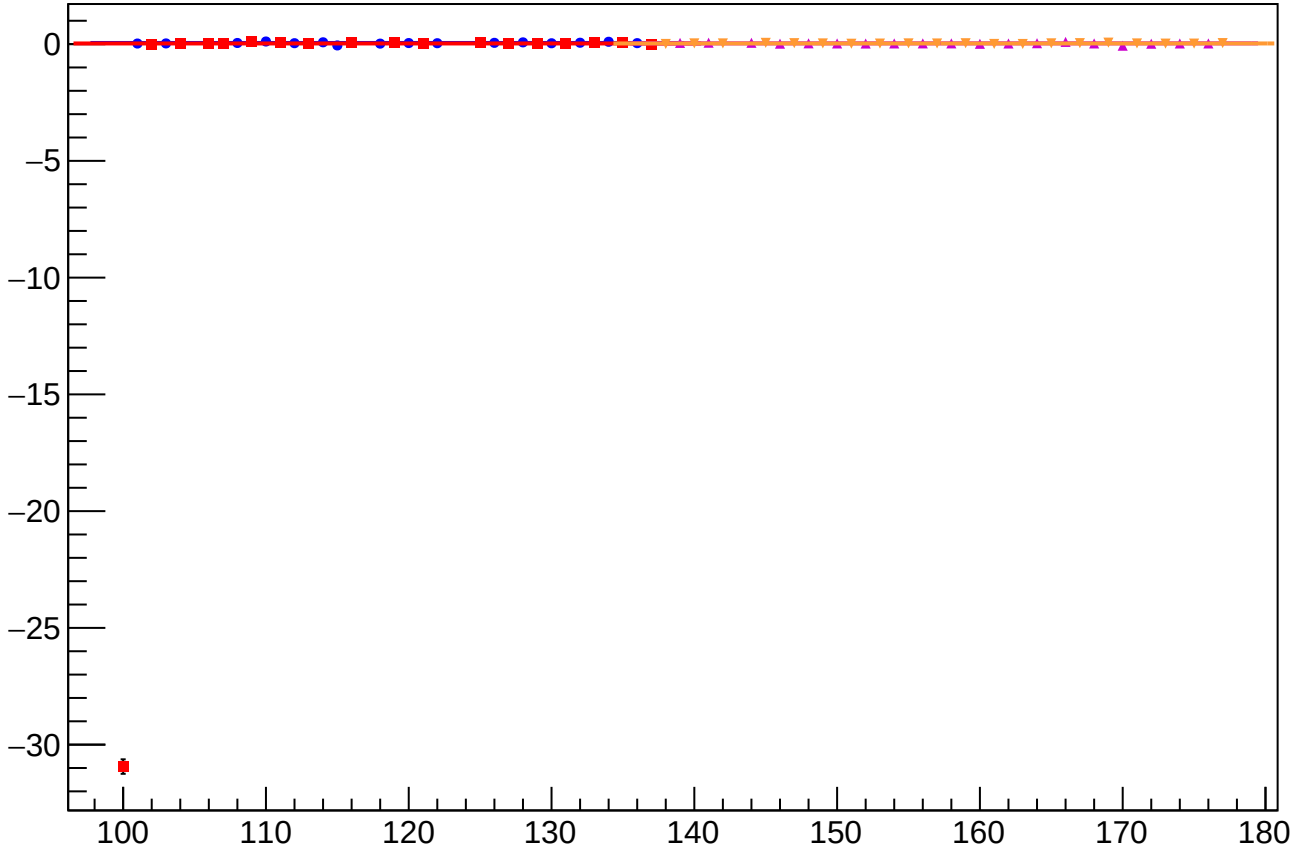
Left In: -0.254+/-0.076 χ^2/NDF:23.9/18

+ sign -0.161+/-0.061 χ^2/NDF: 48.3/35

All: -0.204+/-0.044 χ^2/NDF: 92.9/72

- sign -0.250+/-0.063 χ^2/NDF: 43.6/36

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:13.8/19

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

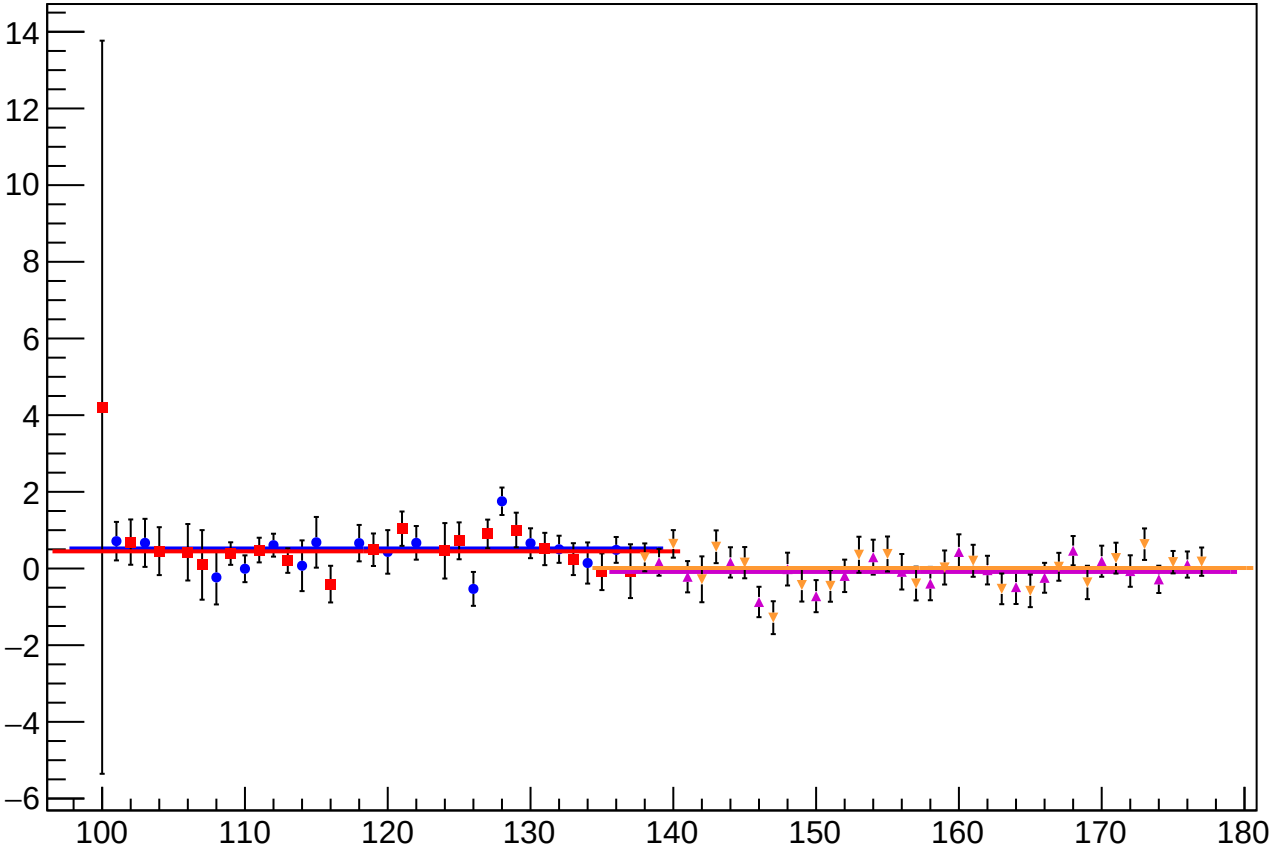
Left In: 0.032+/-0.003 χ^2/NDF:30.4/18

+ sign 0.033+/-0.003 χ^2/NDF: 41.2/35

All: 0.032+/-0.002 χ^2/NDF: 10093.1/72

- sign 0.031+/-0.003 χ^2/NDF: 10051.7/36

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.013+/-0.089 χ^2/NDF:27.1/20

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

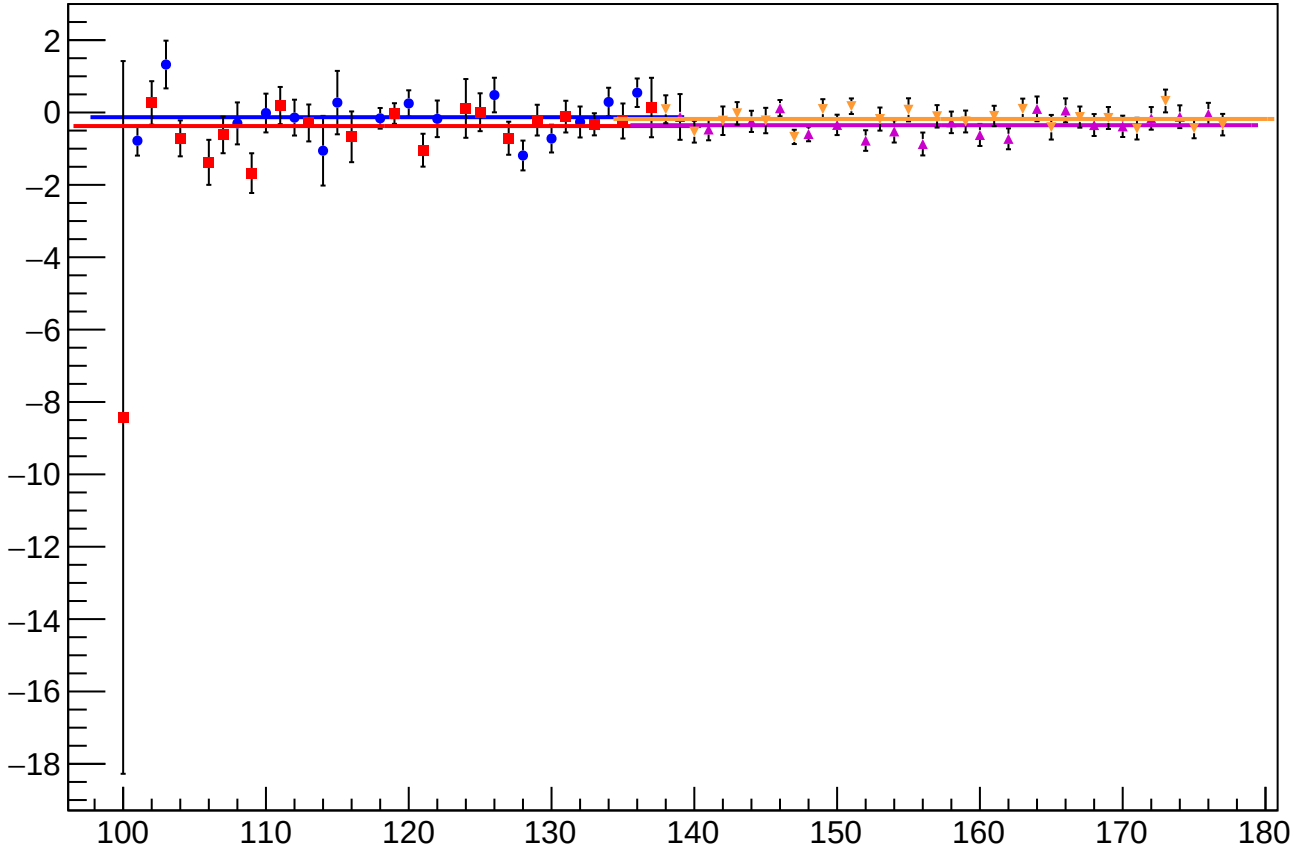
Left In: -0.090+/-0.092 χ^2/NDF:13.9/18

+ sign 0.217+/-0.069 χ^2/NDF: 63.0/36

All: 0.181+/-0.049 χ^2/NDF: 103.7/74

- sign 0.144+/-0.069 χ^2/NDF: 40.1/37

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.179+/-0.064 χ^2/NDF:18.7/20

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

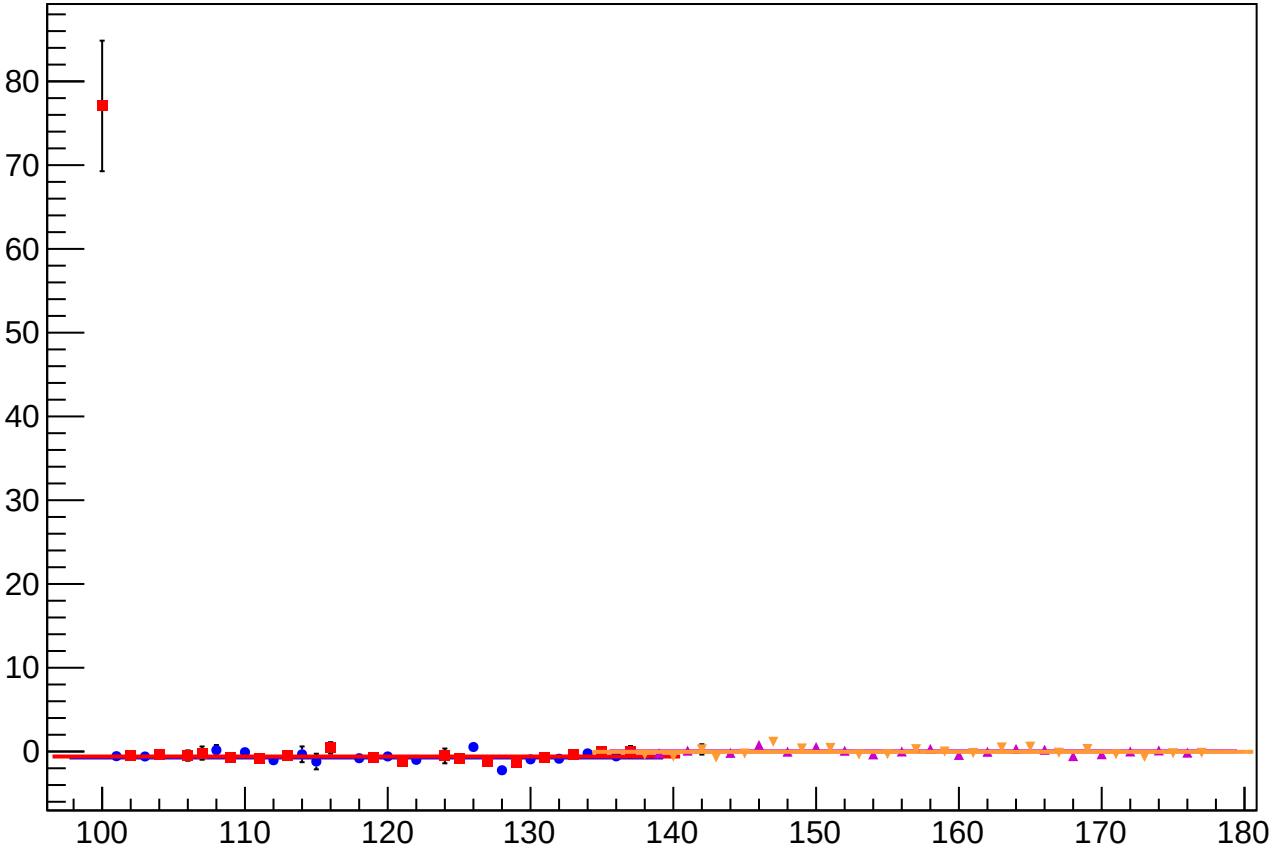
Left In: -0.351+/-0.067 χ^2/NDF:19.2/18

+ sign -0.167+/-0.055 χ^2/NDF: 43.4/36

All: -0.258+/-0.040 χ^2/NDF: 86.5/74

- sign -0.357+/-0.058 χ^2/NDF: 37.4/37

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.037+/-0.087 χ^2/NDF:26.8/20

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

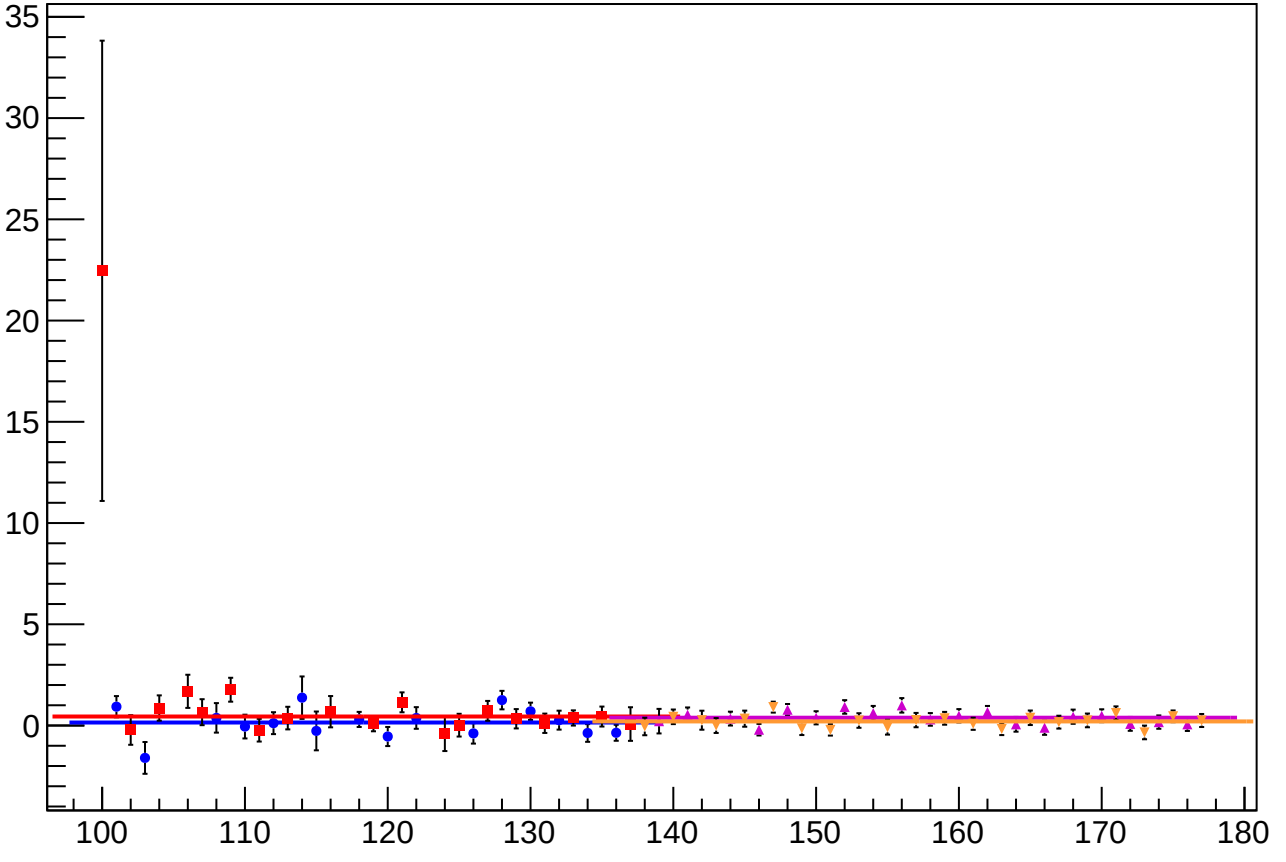
Left In: 0.021+/-0.091 χ^2/NDF:12.4/18

+ sign -0.267+/-0.071 χ^2/NDF: 72.1/36

All: -0.234+/-0.051 χ^2/NDF: 212.5/74

- sign -0.200+/-0.073 χ^2/NDF: 140.0/37

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.202+/-0.073 χ^2/NDF:19.1/20

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

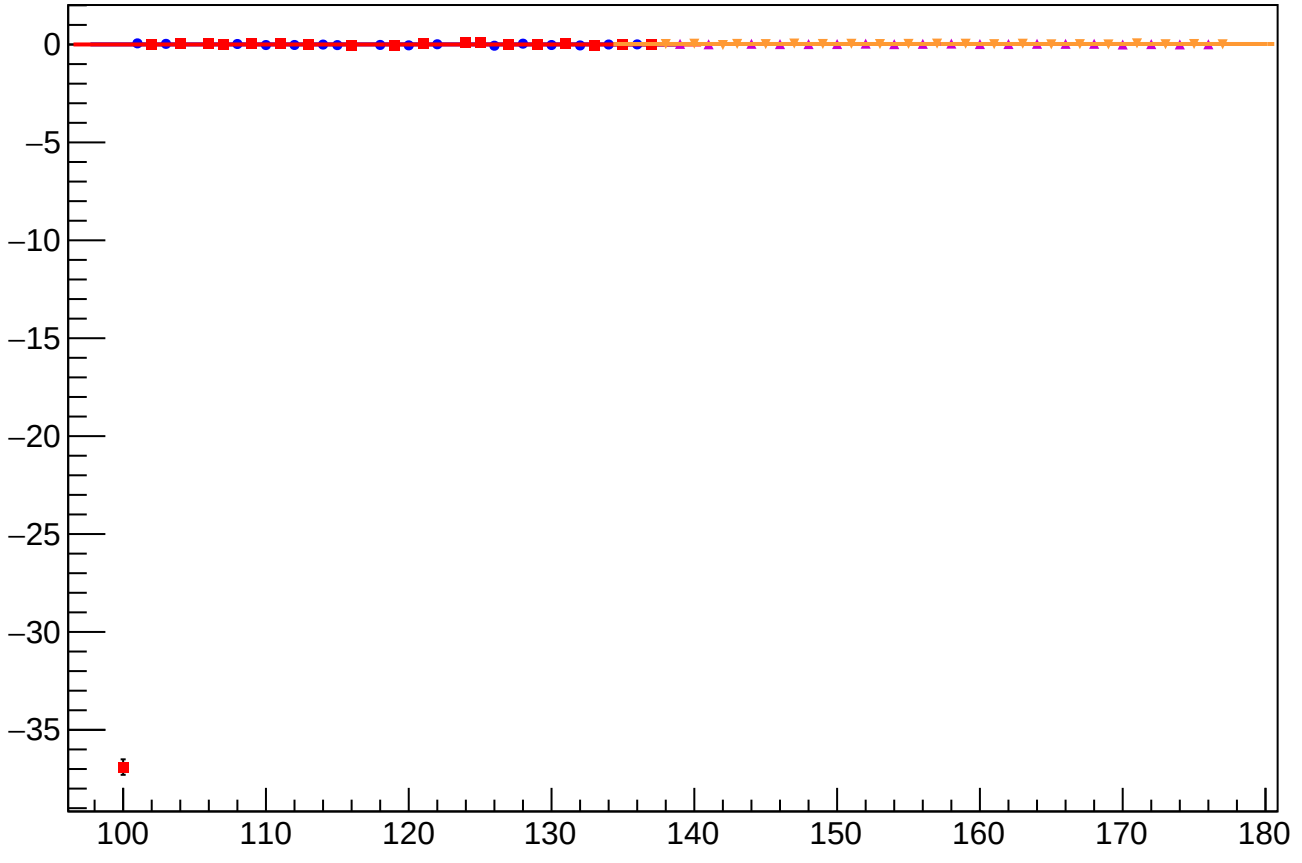
Left In: 0.385+/-0.077 χ^2/NDF:18.5/18

+ sign 0.189+/-0.063 χ^2/NDF: 42.5/36

All: 0.291+/-0.046 χ^2/NDF: 86.2/74

- sign 0.401+/-0.066 χ^2/NDF: 38.3/37

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:23.4/20

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

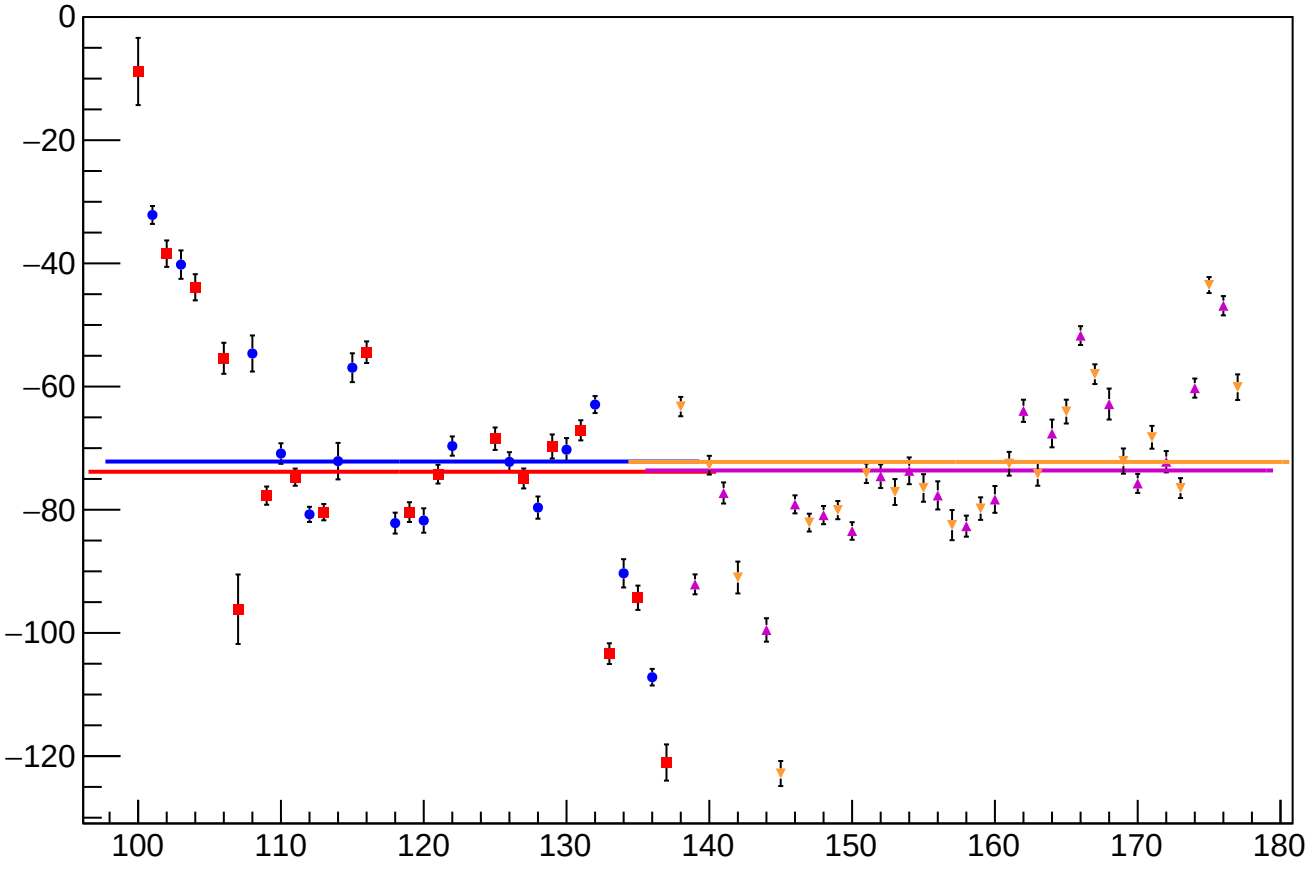
Left In: 0.026+/-0.003 χ^2/NDF:14.1/18

+ sign 0.023+/-0.003 χ^2/NDF: 47.1/36

All: 0.023+/-0.002 χ^2/NDF: 8823.1/74

- sign 0.022+/-0.003 χ^2/NDF: 8776.0/37

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -72.240+/-0.395 χ^2/NDF:1458.6/19

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

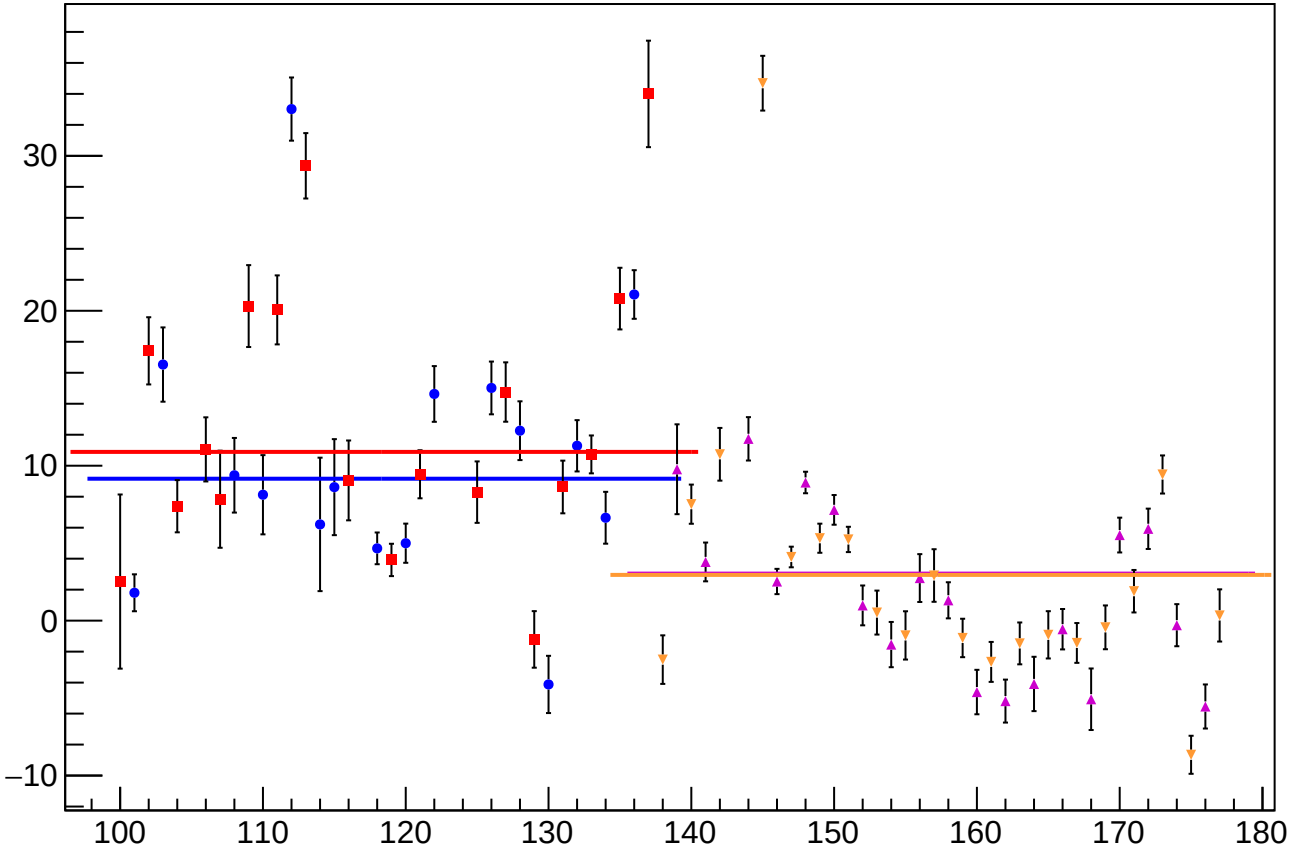
Left In: -73.623+/-0.398 χ^2/NDF:1069.8/18

+ sign -72.209+/-0.292 χ^2/NDF: 3394.6/35

All: -72.962+/-0.206 χ^2/NDF: 6035.6/72

- sign -73.719+/-0.292 χ^2/NDF: 2627.6/36

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 2.953+/-0.273 χ^2/NDF:579.5/19

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

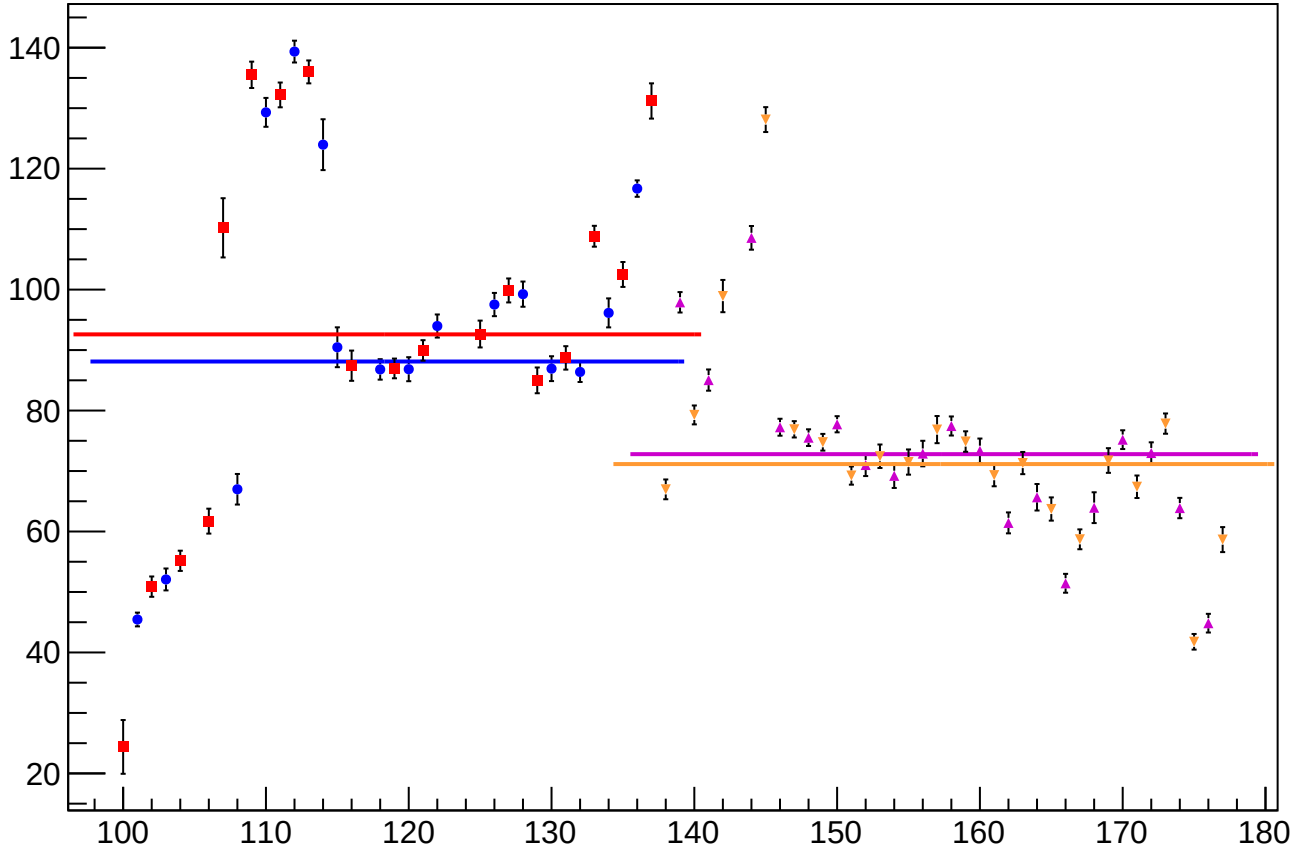
Left In: 3.036+/-0.280 χ^2/NDF:306.0/18

\+ sign 4.768+/-0.230 χ^2/NDF: 1082.5/35

All: 5.027+/-0.165 χ^2/NDF: 1908.1/72

\- sign 5.300+/-0.236 χ^2/NDF: 823.0/36

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 71.150+/-0.387 χ^2/NDF:1592.6/19

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

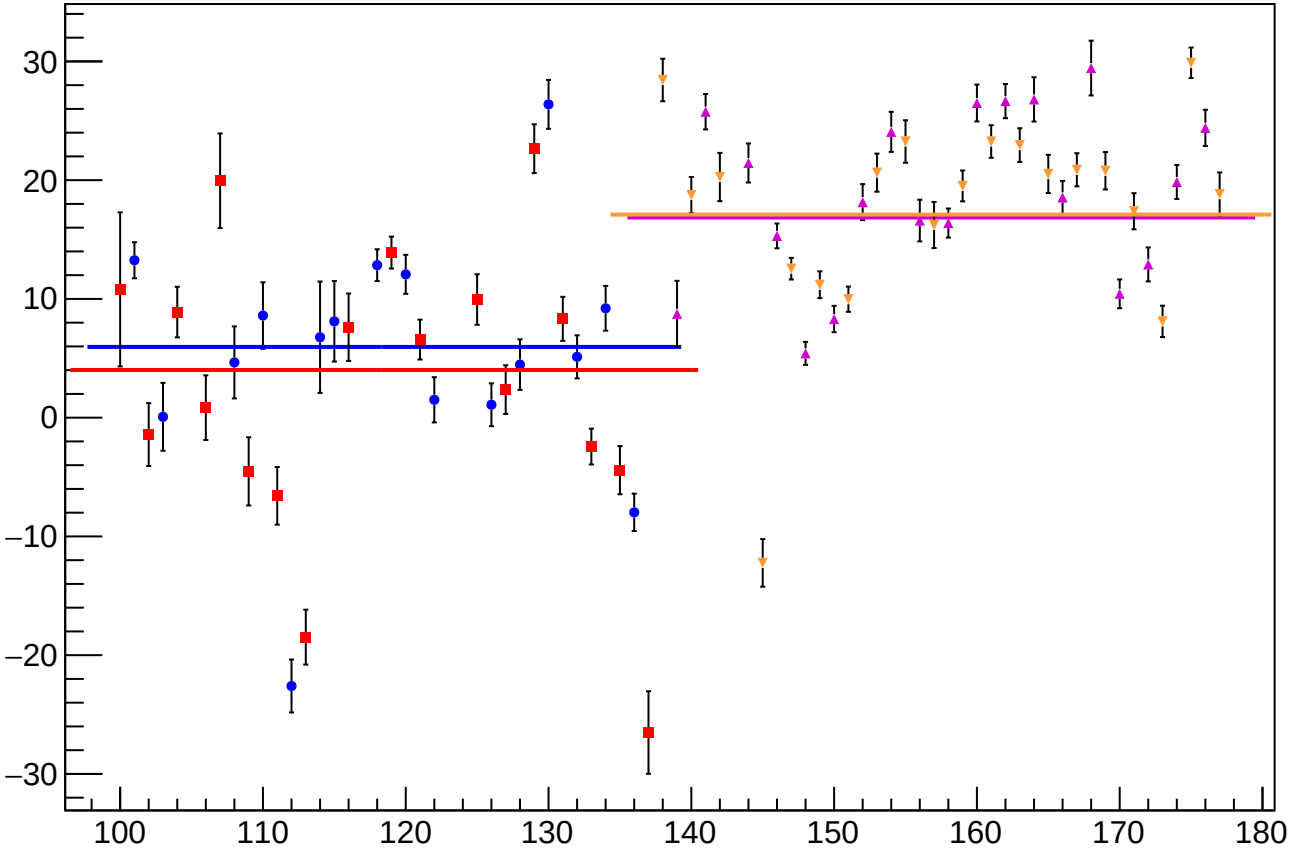
Left In: 72.790+/-0.390 χ^2/NDF:1254.9/18

+ sign 78.032+/-0.299 χ^2/NDF: 5932.6/35

All: 79.300+/-0.213 χ^2/NDF: 11452.0/72

- sign 80.612+/-0.304 χ^2/NDF: 5482.7/36

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 17.103+/-0.318 χ^2/NDF:576.0/19

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

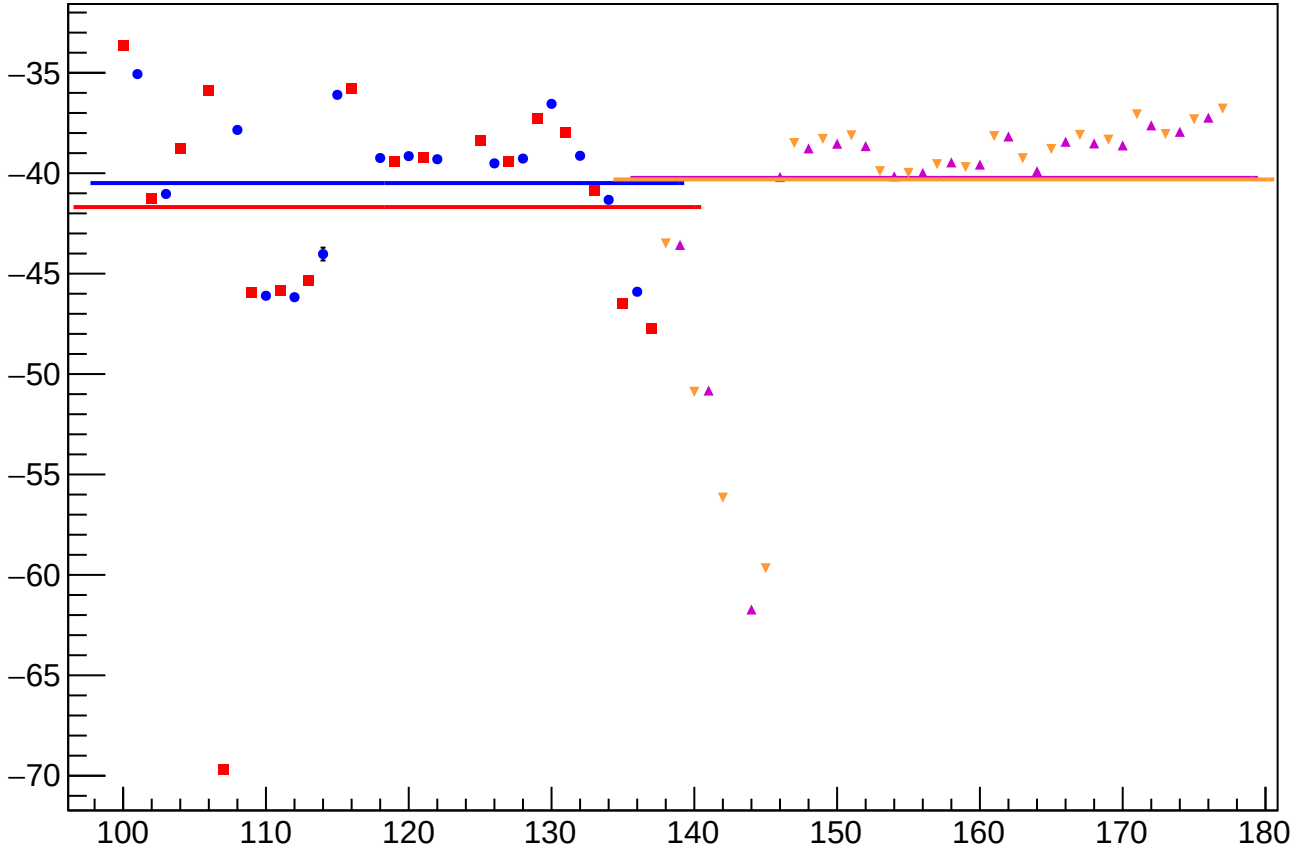
Left In: 16.855+/-0.324 χ^2/NDF:482.2/18

+ sign 13.849+/-0.267 χ^2/NDF: 1362.2/35

All: 13.510+/-0.191 χ^2/NDF: 2717.1/72

- sign 13.156+/-0.274 χ^2/NDF: 1351.7/36

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.310+/-0.015 χ^2/NDF:119455.9/19

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

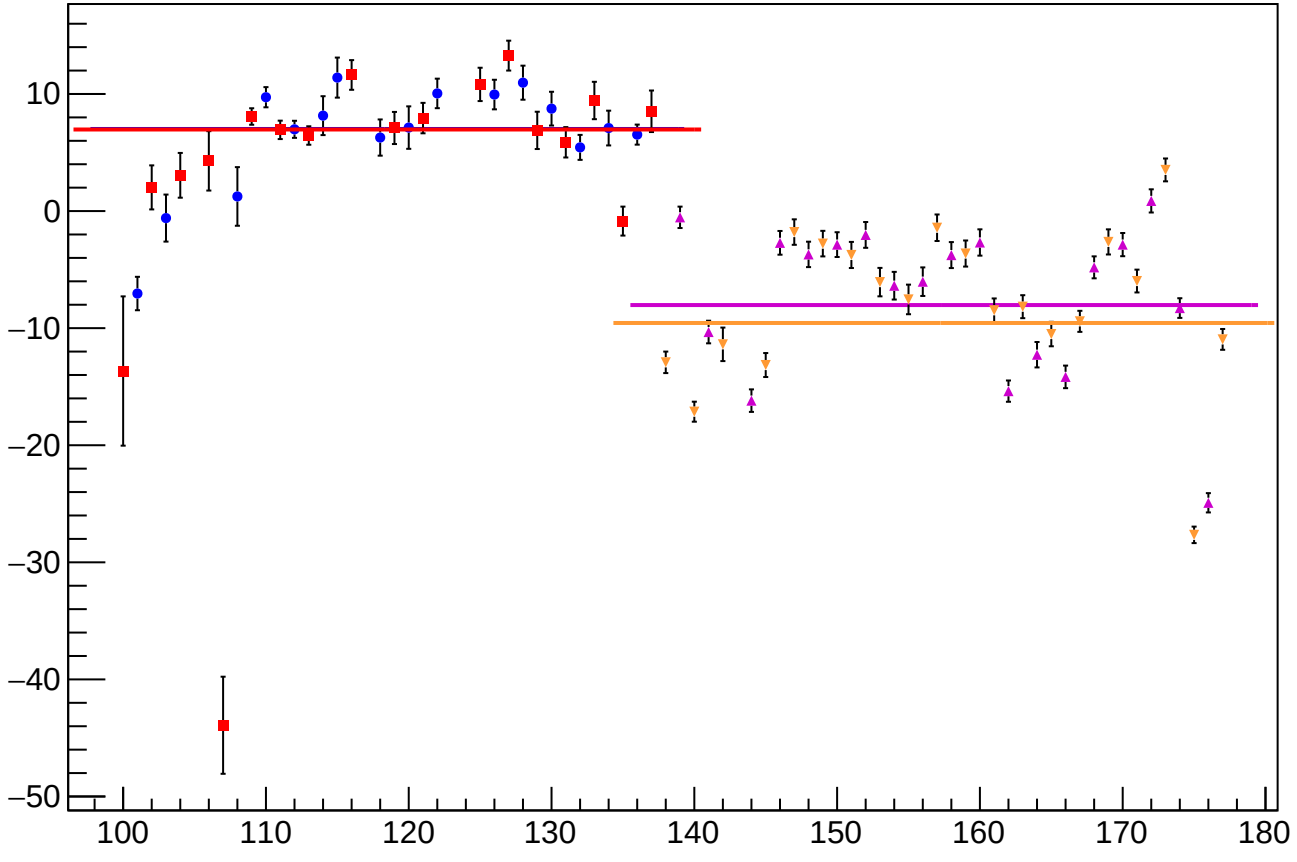
Left In: -40.233+/-0.015 χ^2/NDF:95640.8/18

+ sign -40.349+/-0.013 χ^2/NDF: 137613.4/35

All: -40.437+/-0.009 χ^2/NDF: 272152.6/72

- sign -40.526+/-0.013 χ^2/NDF: 134448.1/36

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.558+/-0.225 χ^2/NDF:1214.7/19

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

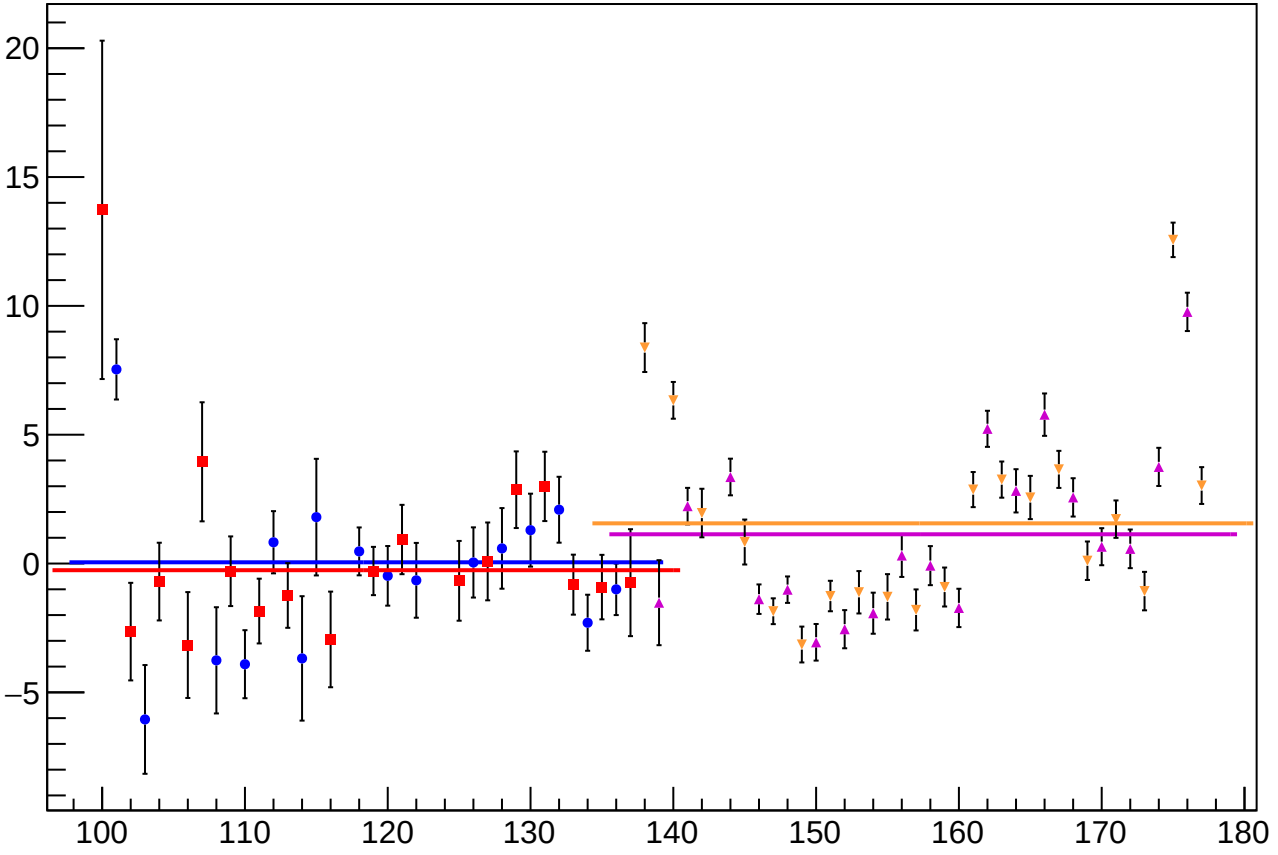
Left In: -8.028+/-0.229 χ^2/NDF:944.2/18

+ sign -3.831+/-0.182 χ^2/NDF: 3249.4/35

All: -3.148+/-0.128 χ^2/NDF: 6078.7/72

- sign -2.467+/-0.182 χ^2/NDF: 2801.1/36

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 1.560+/-0.163 χ^2/NDF:572.0/19

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

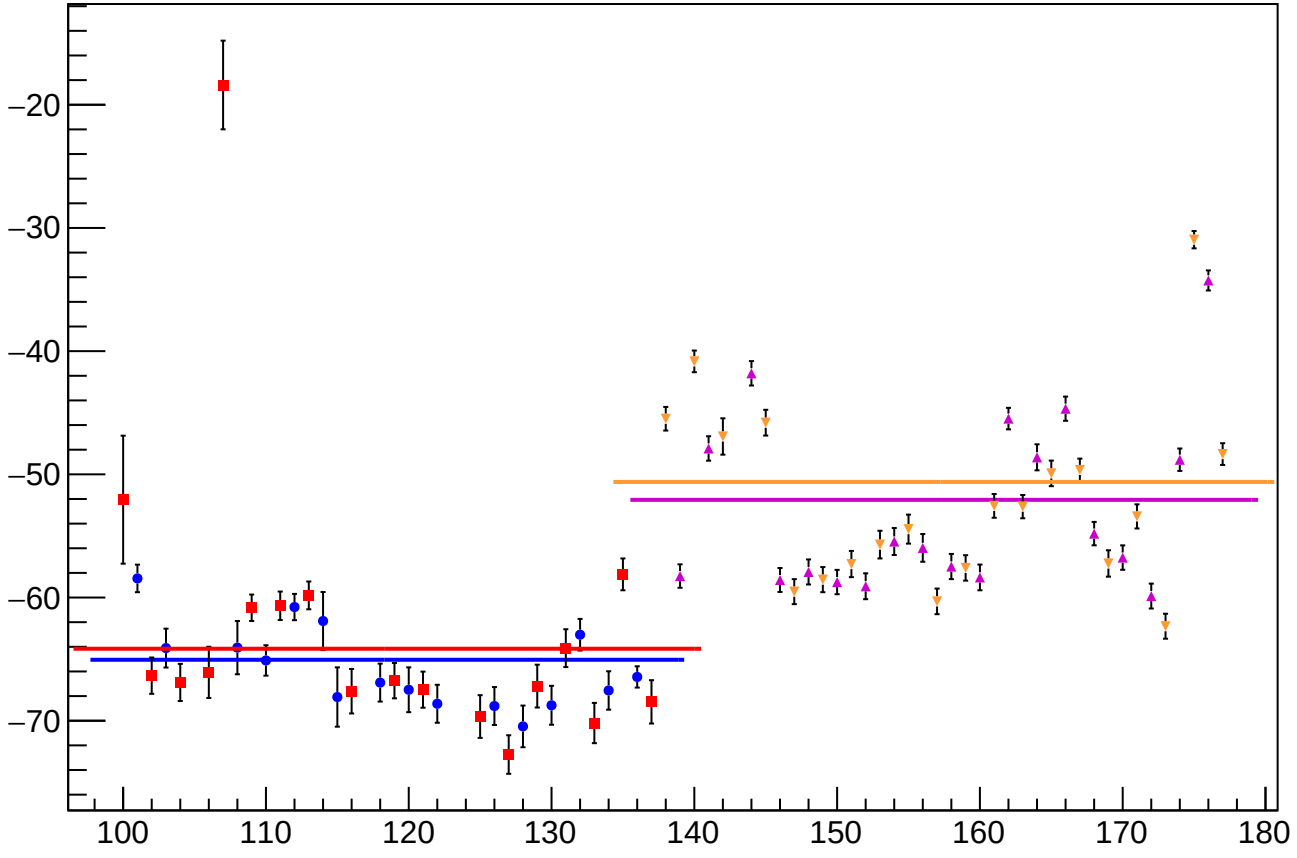
Left In: 1.136+/-0.168 χ^2/NDF:366.1/18

+ sign 1.266+/-0.146 χ^2/NDF: 663.8/35

All: 1.074+/-0.105 χ^2/NDF: 1074.2/72

- sign 0.869+/-0.151 χ^2/NDF: 406.9/36

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.616+/-0.221 χ^2/NDF:1500.3/19

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

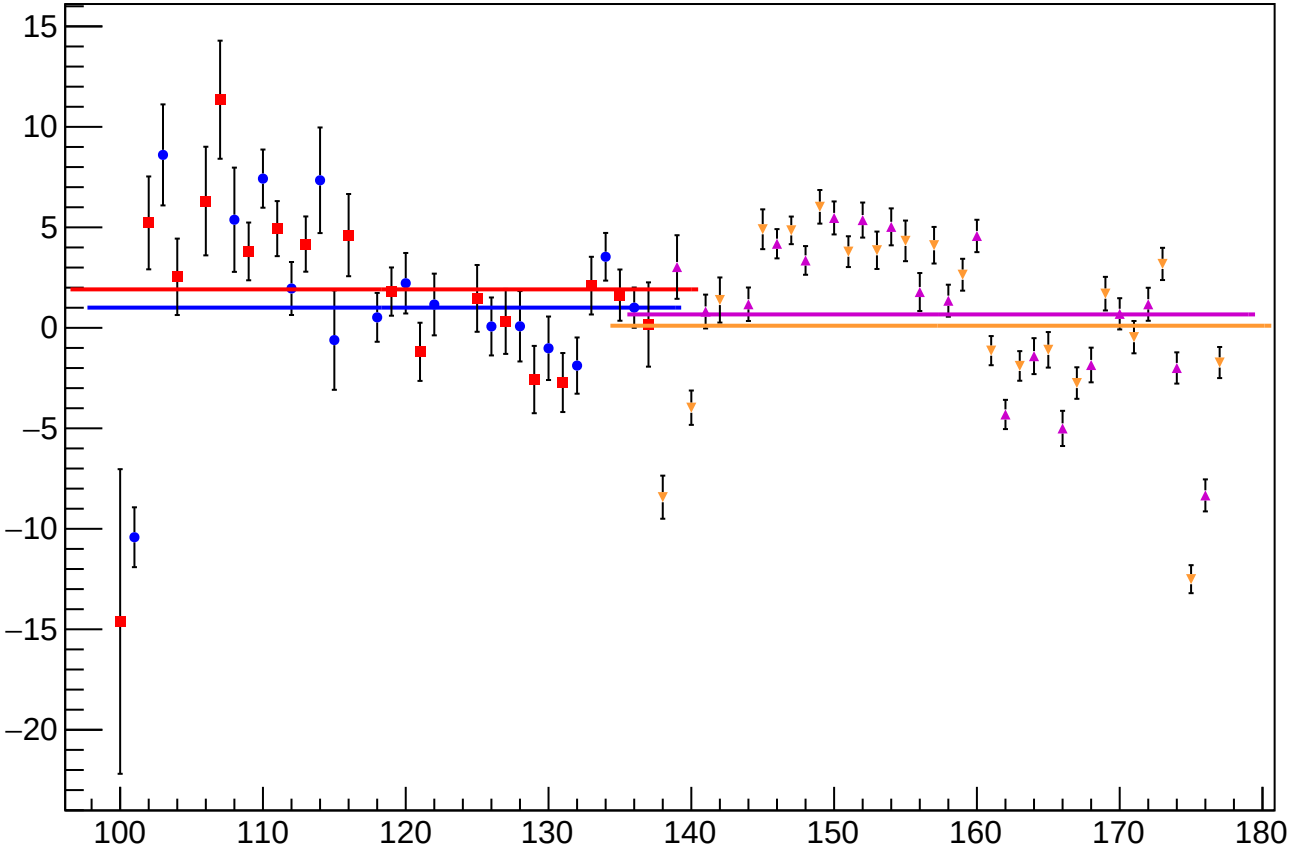
Left In: -52.069+/-0.226 χ^2/NDF:1127.4/18

\+ sign -54.669+/-0.188 χ^2/NDF: 2789.1/35

All: -55.062+/-0.134 χ^2/NDF: 5037.1/72

\- sign -55.470+/-0.191 χ^2/NDF: 2239.1/36

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 0.106+/-0.185 χ^2/NDF:672.3/19

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

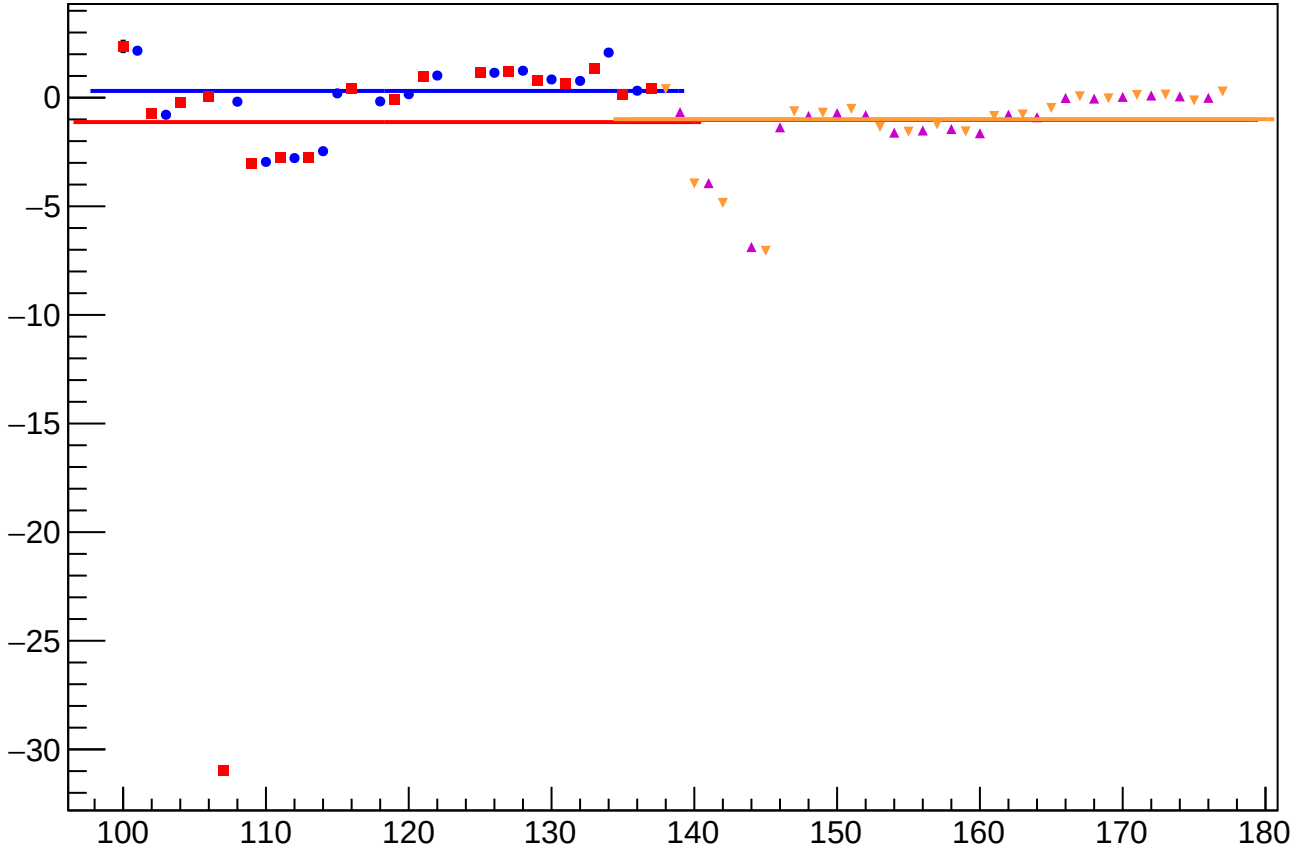
Left In: 0.668+/-0.191 χ^2/NDF:393.9/18

+ sign 0.282+/-0.166 χ^2/NDF: 786.1/35

All: 0.586+/-0.119 χ^2/NDF: 1249.7/72

- sign 0.909+/-0.171 χ^2/NDF: 456.6/36

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.991+/-0.008 χ^2/NDF:39897.0/19

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

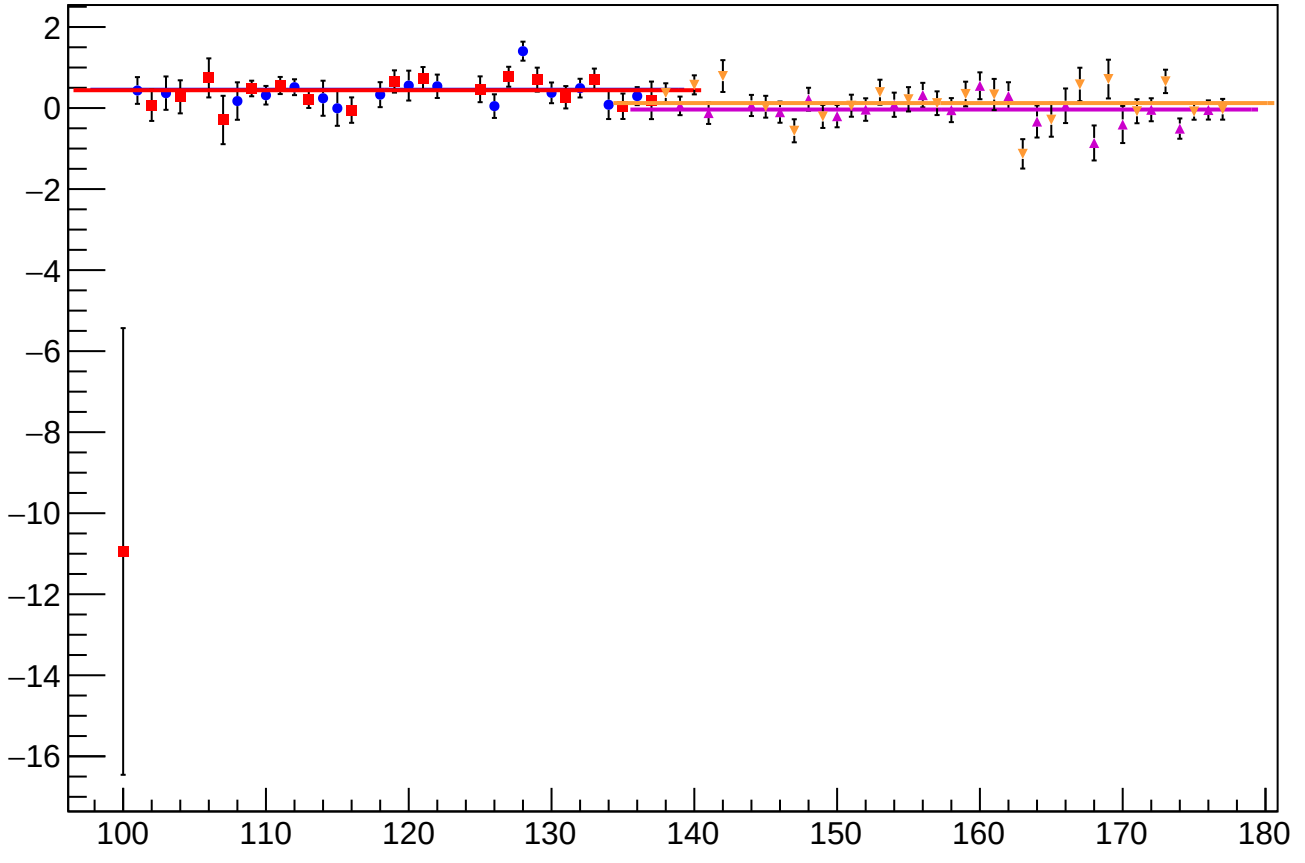
Left In: -1.024+/-0.008 χ^2/NDF:29518.9/18

+ sign -0.815+/-0.008 χ^2/NDF: 48045.9/35

All: -0.924+/-0.006 χ^2/NDF: 124334.3/72

- sign -1.036+/-0.008 χ^2/NDF: 75884.6/36

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.123+/-0.066 χ^2/NDF:37.6/19

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

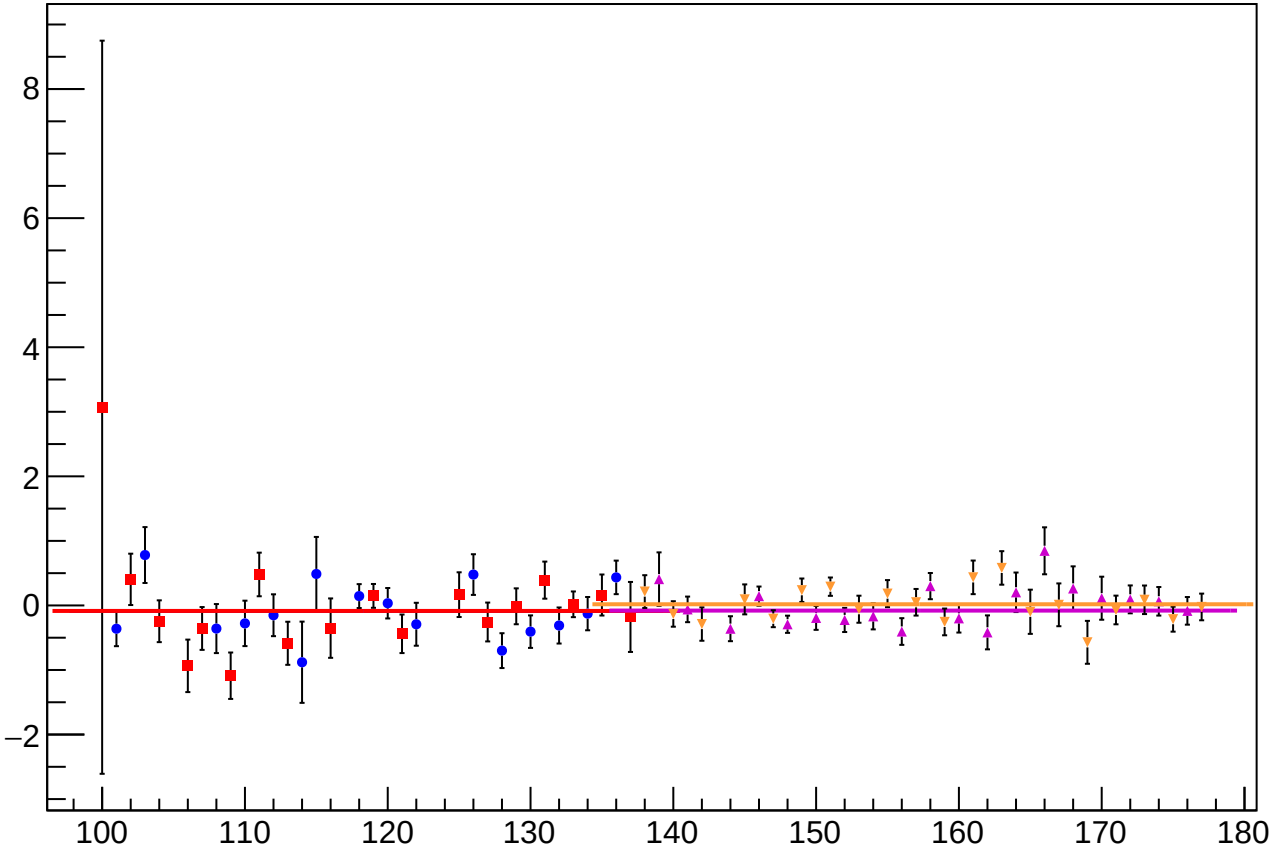
Left In: -0.037+/-0.067 χ^2/NDF:15.7/18

+ sign 0.274+/-0.048 χ^2/NDF: 71.8/35

All: 0.234+/-0.034 χ^2/NDF: 131.6/72

- sign 0.194+/-0.048 χ^2/NDF: 58.4/36

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.018+/-0.047 χ^2/NDF:25.5/19

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

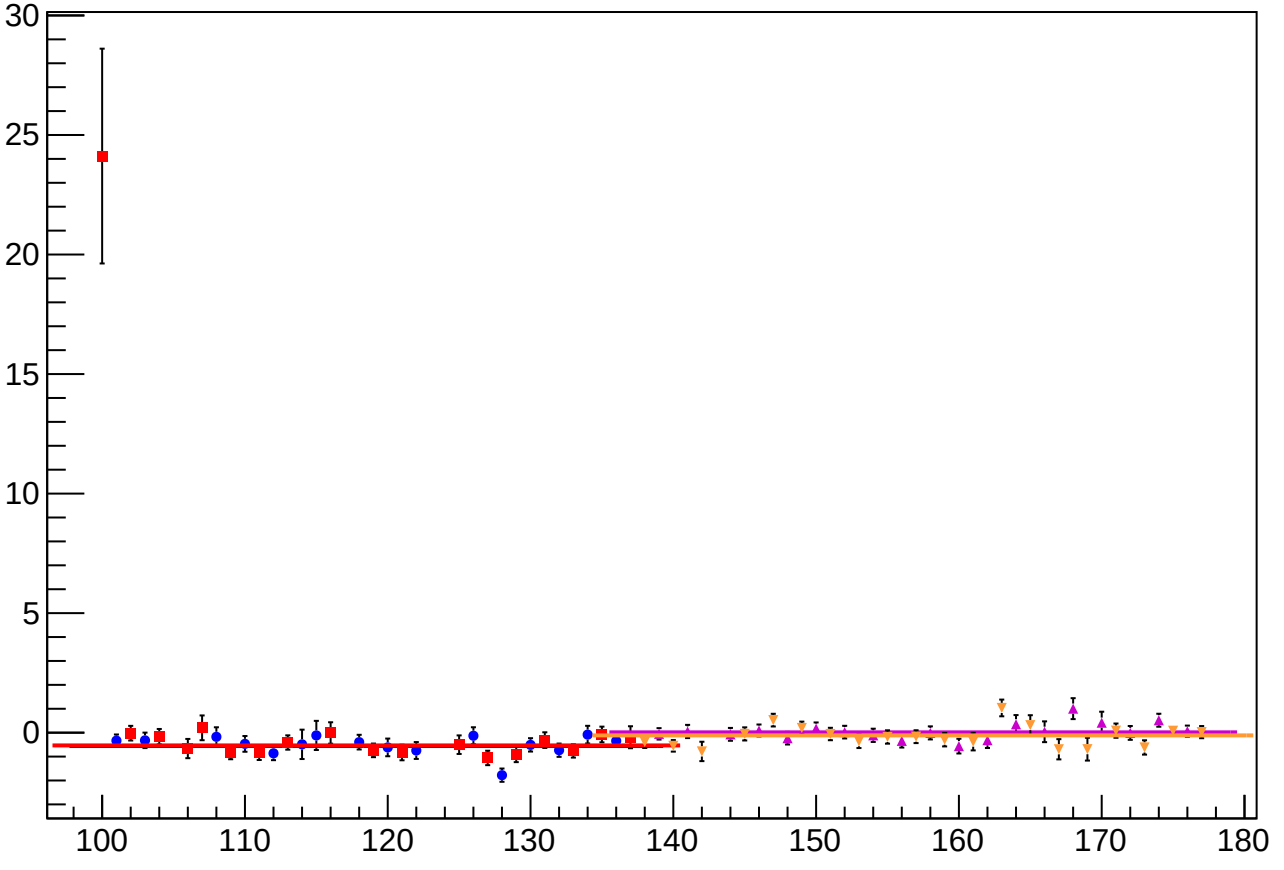
Left In: -0.080+/-0.049 χ^2/NDF:27.1/18

+ sign -0.012+/-0.040 χ^2/NDF: 52.3/35

All: -0.046+/-0.028 χ^2/NDF: 108.8/72

- sign -0.082+/-0.041 χ^2/NDF: 55.0/36

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.114+/-0.064 χ^2/NDF:35.9/19

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

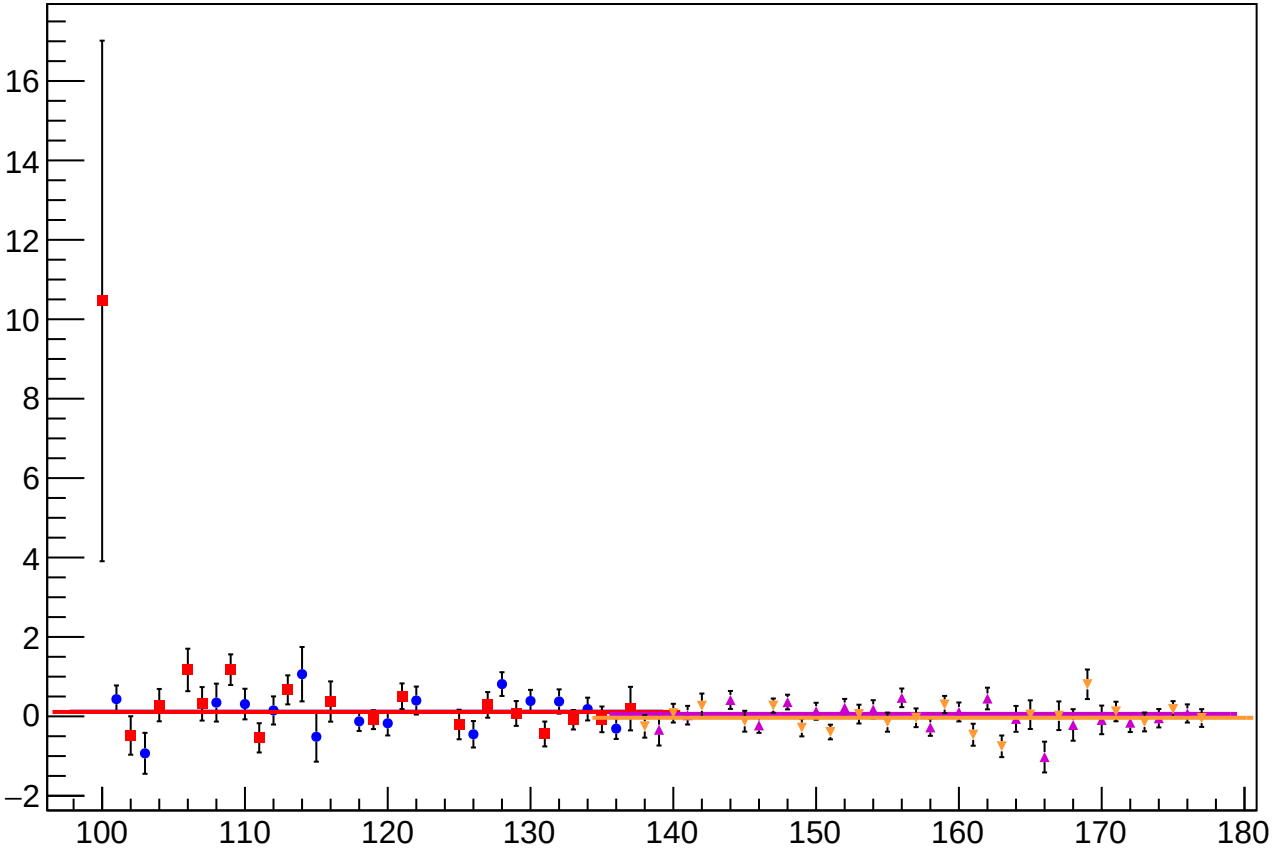
Left In: 0.013+/-0.066 χ^2/NDF:18.1/18

+ sign -0.290+/-0.050 χ^2/NDF: 83.0/35

All: -0.249+/-0.036 χ^2/NDF: 179.1/72

- sign -0.207+/-0.051 χ^2/NDF: 94.7/36

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.036+/-0.054 χ^2/NDF:28.9/19

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

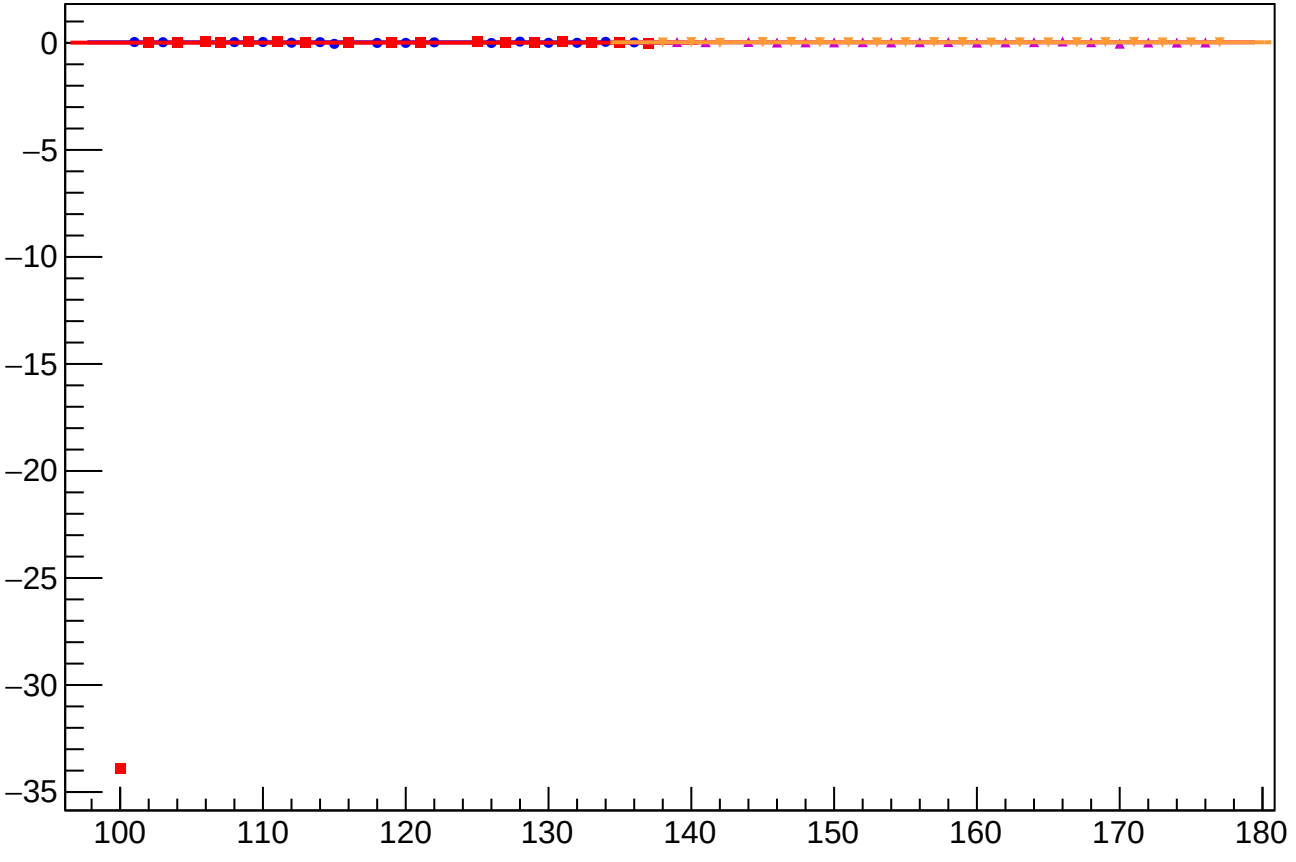
Left In: 0.062+/-0.056 χ^2/NDF:26.6/18

+ sign 0.009+/-0.046 χ^2/NDF: 54.9/35

All: 0.042+/-0.033 χ^2/NDF: 111.8/72

- sign 0.077+/-0.047 χ^2/NDF: 55.8/36

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:15.1/19

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

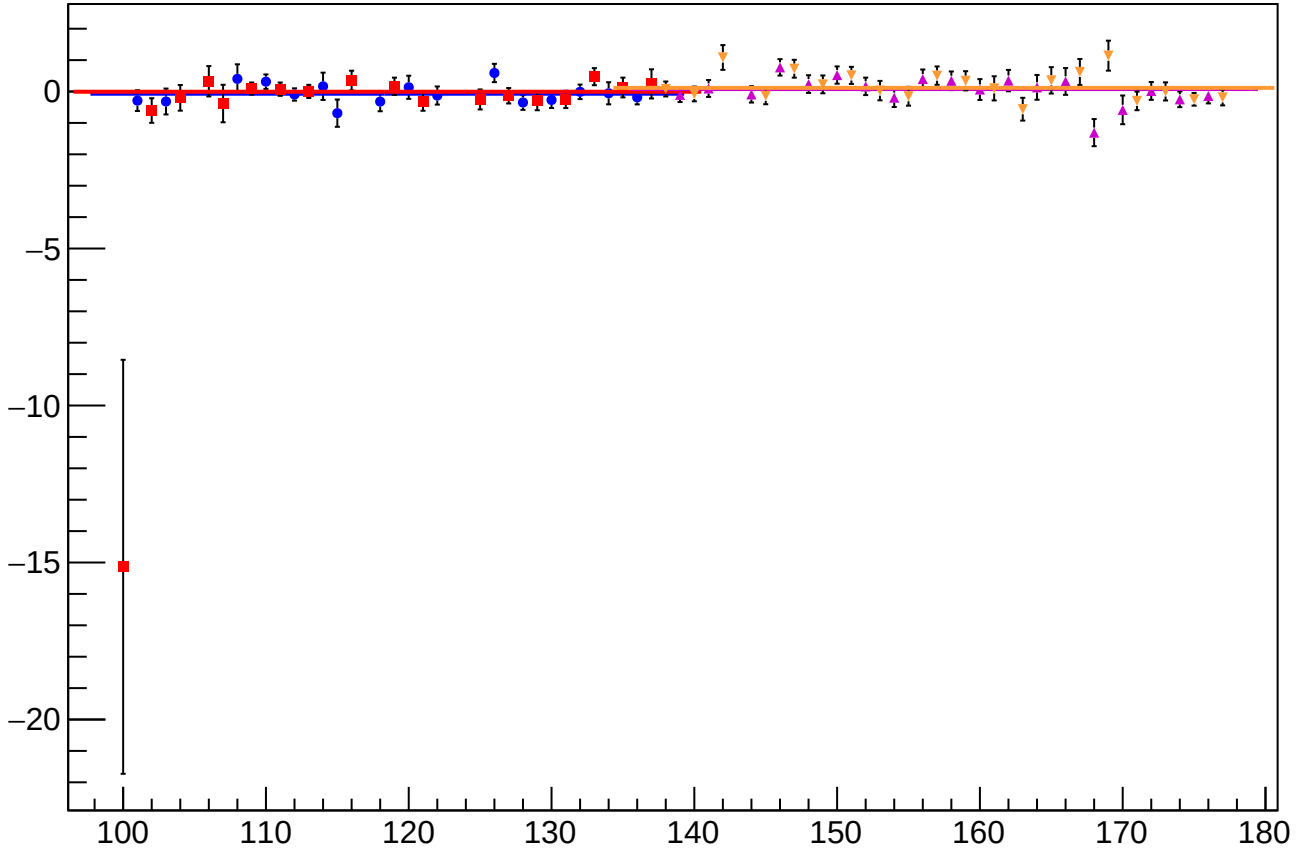
Left In: 0.029+/-0.002 χ^2/NDF:33.3/18

+ sign 0.028+/-0.002 χ^2/NDF: 29.8/35

All: 0.027+/-0.002 χ^2/NDF: 22335.3/72

- sign 0.025+/-0.002 χ^2/NDF: 22305.0/36

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.116+/-0.066 χ^2/NDF:34.4/19

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

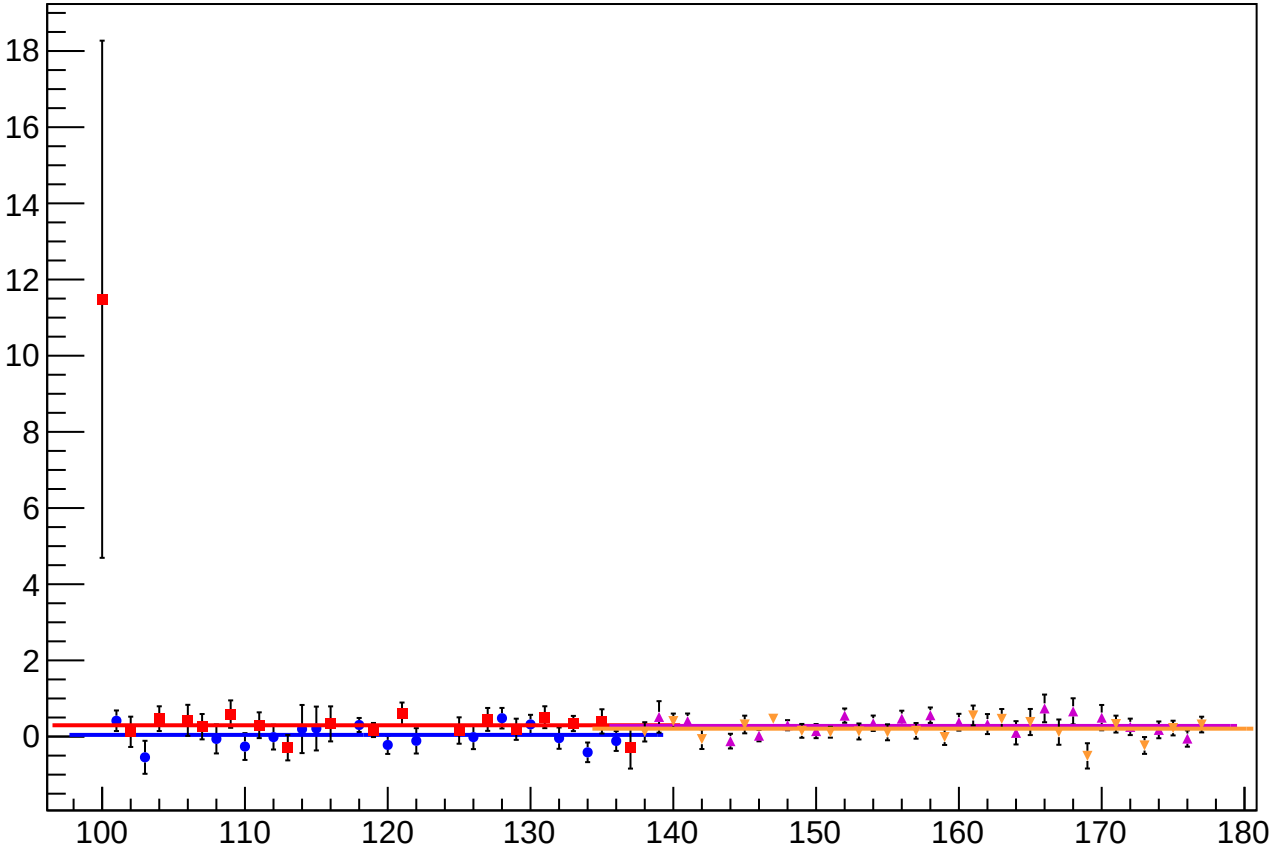
Left In: 0.079+/-0.067 χ^2/NDF:29.8/18

+ sign 0.031+/-0.048 χ^2/NDF: 53.6/35

All: 0.034+/-0.034 χ^2/NDF: 102.4/72

- sign 0.037+/-0.048 χ^2/NDF: 48.8/36

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.207+/-0.047 χ^2/NDF:20.8/19

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

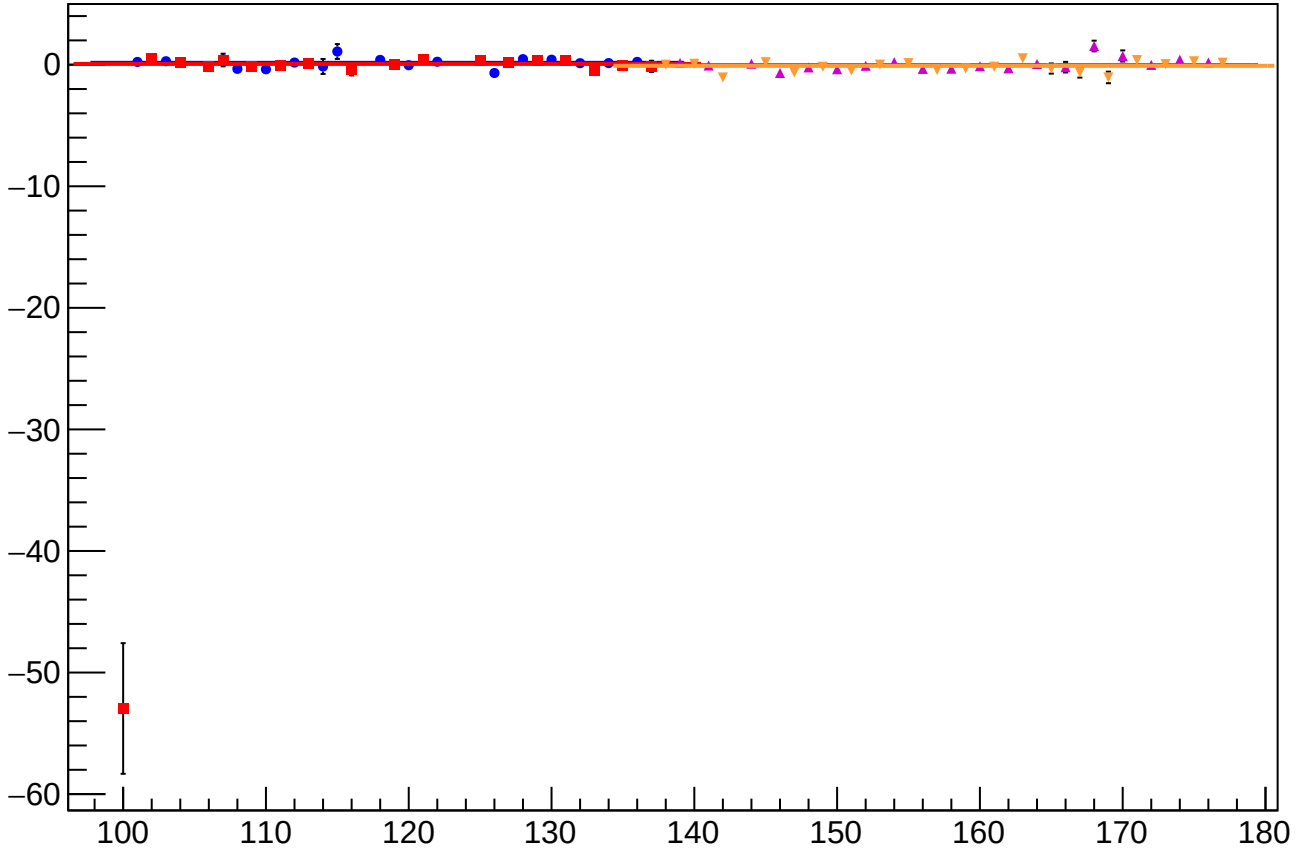
Left In: 0.279+/-0.049 χ^2/NDF:20.0/18

+ sign 0.159+/-0.040 χ^2/NDF: 40.0/35

All: 0.220+/-0.028 χ^2/NDF: 75.9/72

- sign 0.284+/-0.041 χ^2/NDF: 31.0/36

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.090+/-0.064 χ^2/NDF:33.1/19

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

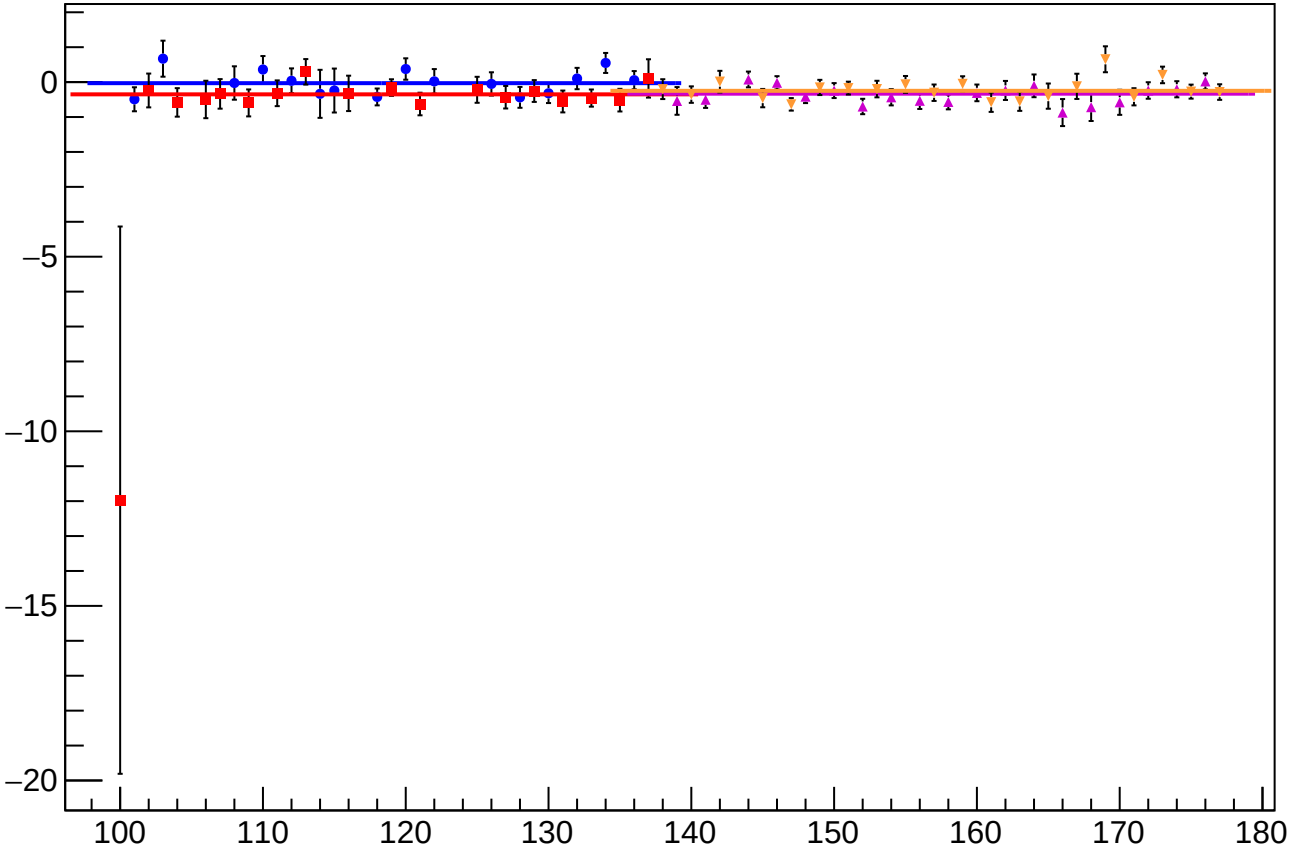
Left In: -0.036+/-0.066 χ^2/NDF:32.9/18

+ sign 0.006+/-0.050 χ^2/NDF: 54.3/35

All: 0.005+/-0.036 χ^2/NDF: 197.5/72

- sign 0.005+/-0.051 χ^2/NDF: 143.1/36

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.250+/-0.054 χ^2/NDF:21.2/19

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

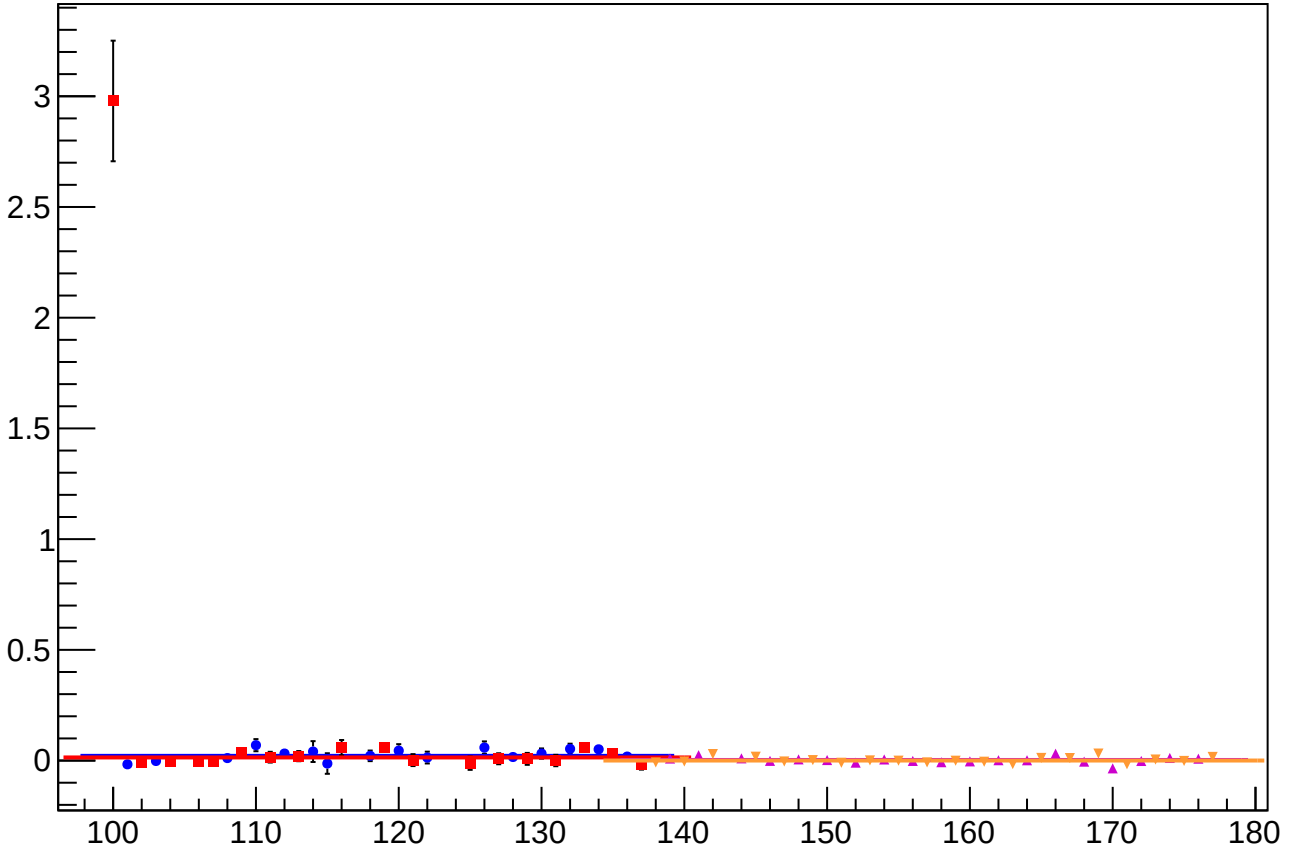
Left In: -0.331+/-0.056 χ^2/NDF:18.9/18

+ sign -0.185+/-0.046 χ^2/NDF: 42.8/35

All: -0.259+/-0.033 χ^2/NDF: 76.6/72

- sign -0.337+/-0.047 χ^2/NDF: 28.4/36

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:21.3/19

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

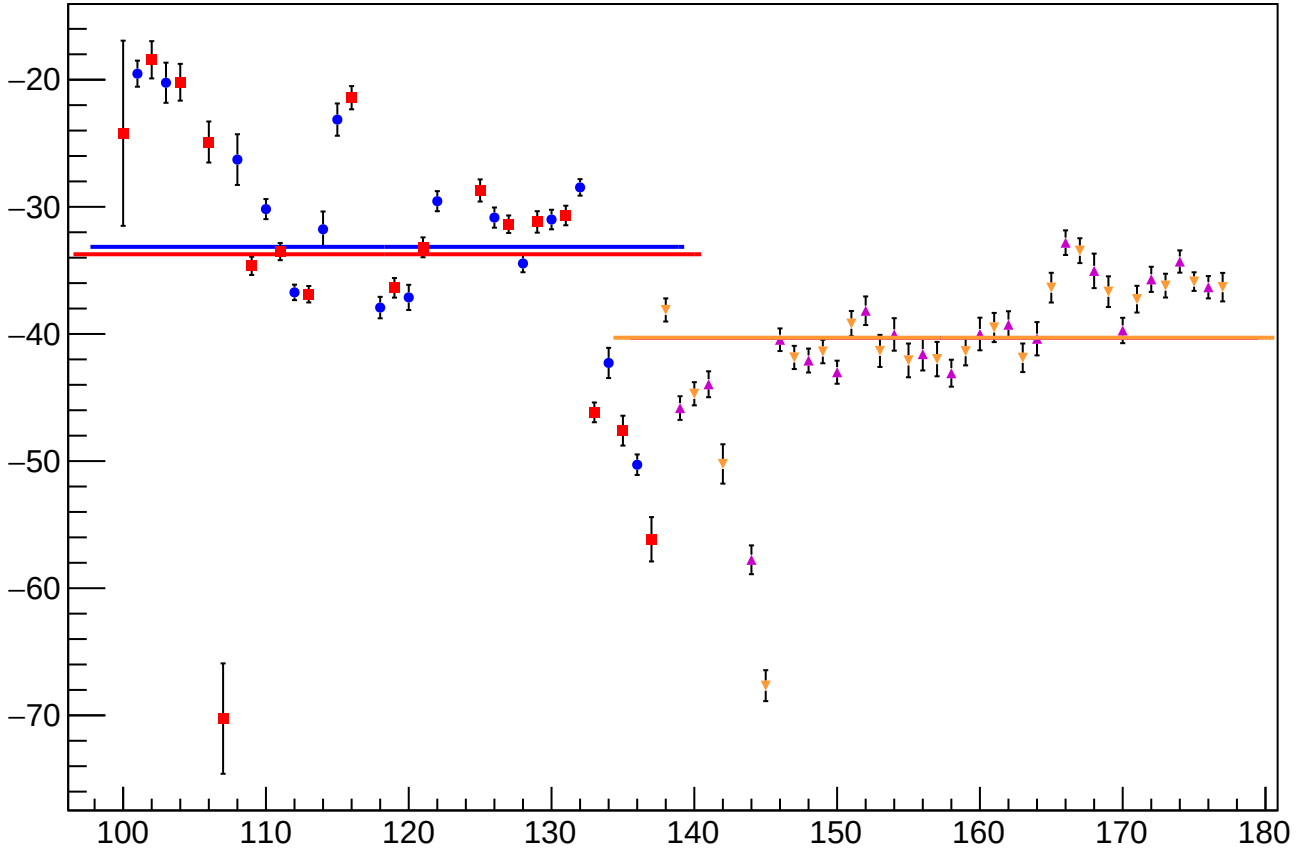
Left In: 0.003+/-0.002 χ^2/NDF:18.4/18

+ sign 0.005+/-0.002 χ^2/NDF: 59.0/35

All: 0.005+/-0.002 χ^2/NDF: 222.6/72

- sign 0.005+/-0.002 χ^2/NDF: 163.6/36

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -40.295+/-0.235 χ^2/NDF:734.6/19

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

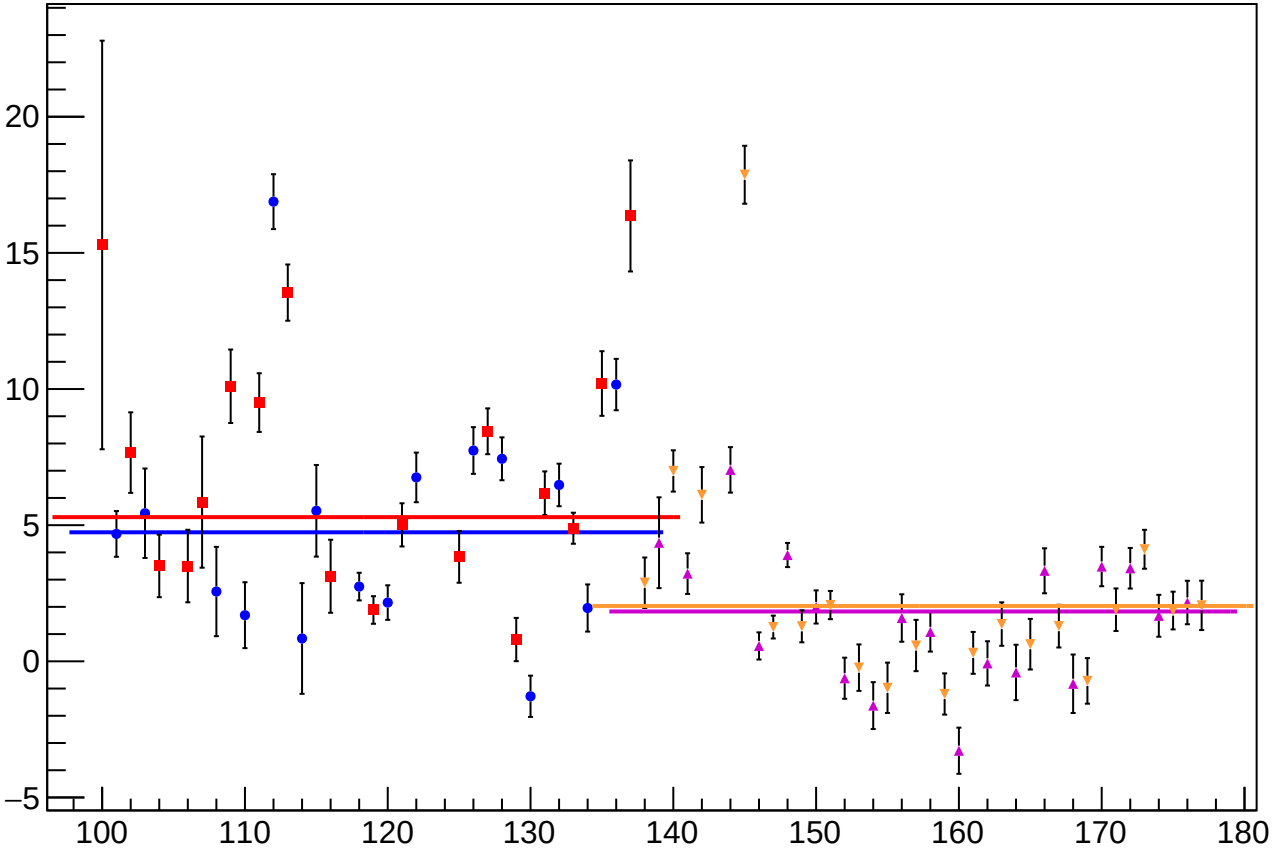
Left In: -40.316+/-0.238 χ^2/NDF:474.2/18

+ sign -36.458+/-0.160 χ^2/NDF: 2246.5/35

All: -36.576+/-0.113 χ^2/NDF: 4292.9/72

- sign -36.693+/-0.159 χ^2/NDF: 2045.3/36

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.033+/-0.165 χ^2/NDF:352.7/19

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

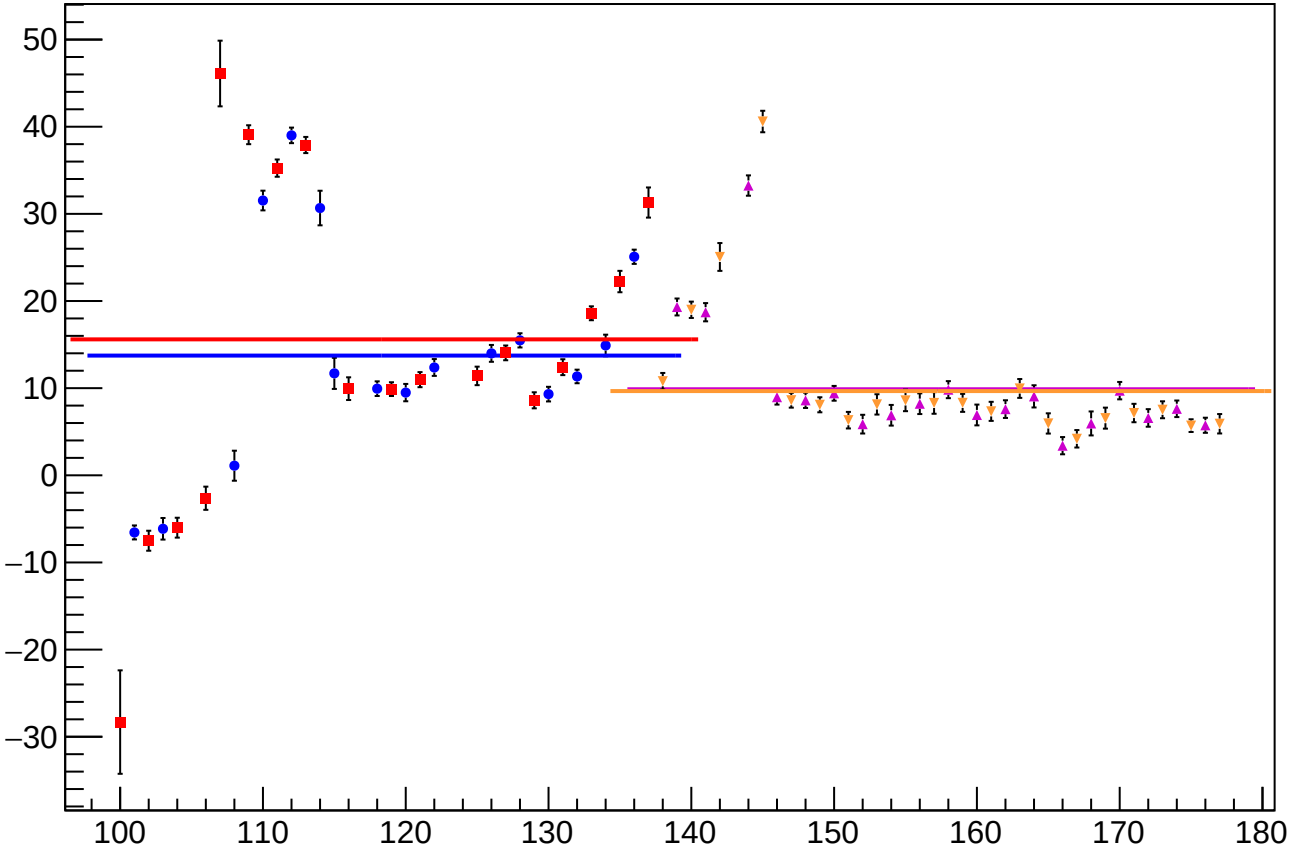
Left In: 1.830+/-0.169 χ^2/NDF:166.8/18

\+ sign 3.010+/-0.132 χ^2/NDF: 779.5/35

All: 3.051+/-0.094 χ^2/NDF: 1344.4/72

\- sign 3.095+/-0.135 χ^2/NDF: 564.7/36

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.666+/-0.230 χ^2/NDF:948.7/19

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

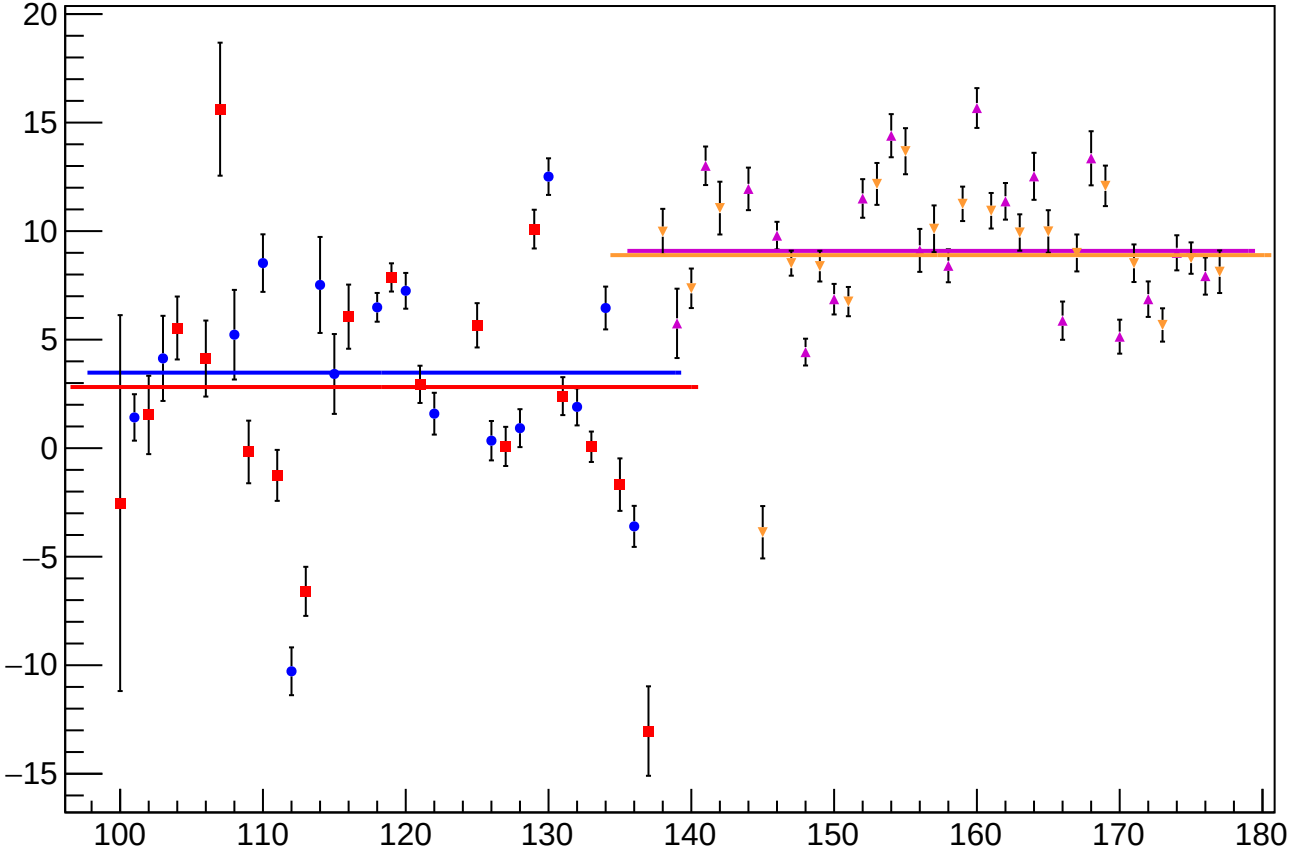
Left In: 9.875+/-0.233 χ^2/NDF:694.3/18

\+ sign 11.561+/-0.168 χ^2/NDF: 3444.2/35

All: 12.043+/-0.120 χ^2/NDF: 7261.6/72

\- sign 12.539+/-0.171 χ^2/NDF: 3800.8/36

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.894+/-0.190 χ^2/NDF:211.3/19

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

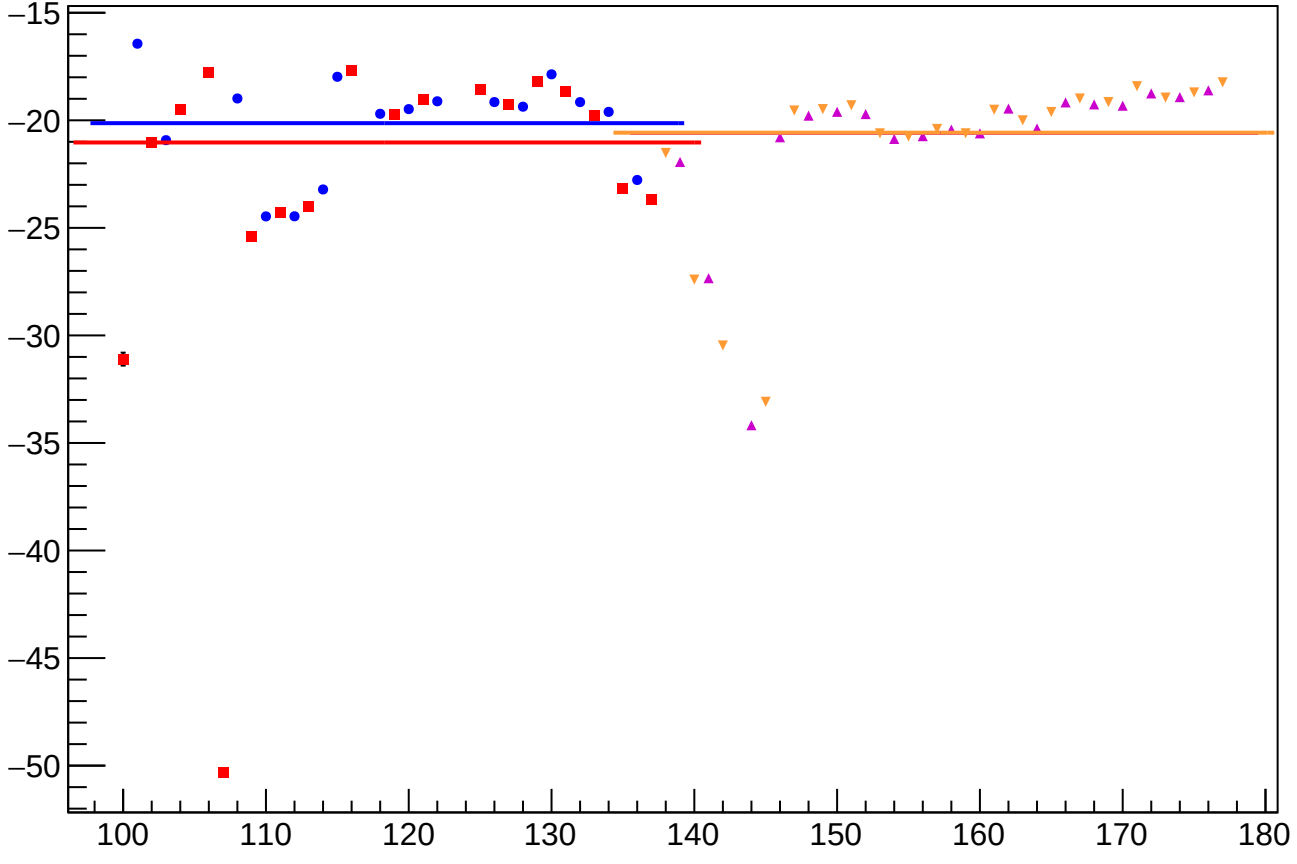
Left In: 9.089+/-0.195 χ^2/NDF:266.0/18

+ sign 6.942+/-0.152 χ^2/NDF: 930.3/35

All: 6.871+/-0.109 χ^2/NDF: 1919.3/72

- sign 6.798+/-0.155 χ^2/NDF: 988.6/36

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.576+/-0.009 χ^2/NDF:136082.5/19

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

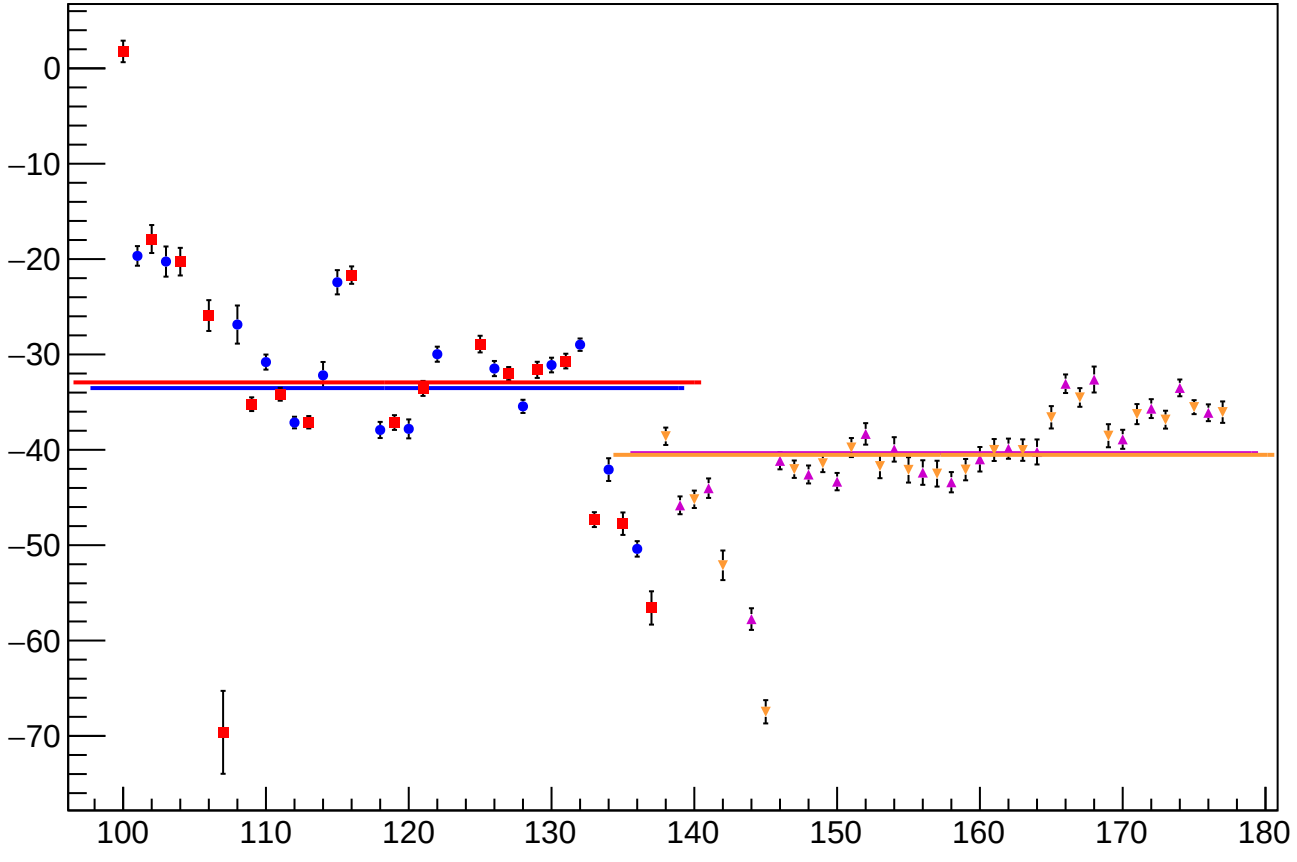
Left In: -20.590+/-0.009 χ^2/NDF:108124.3/18

+ sign -20.474+/-0.008 χ^2/NDF: 156502.0/35

All: -20.580+/-0.005 χ^2/NDF: 323091.9/72

- sign -20.687+/-0.008 χ^2/NDF: 166207.9/36

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -40.526+/-0.235 χ^2/NDF:731.2/19

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

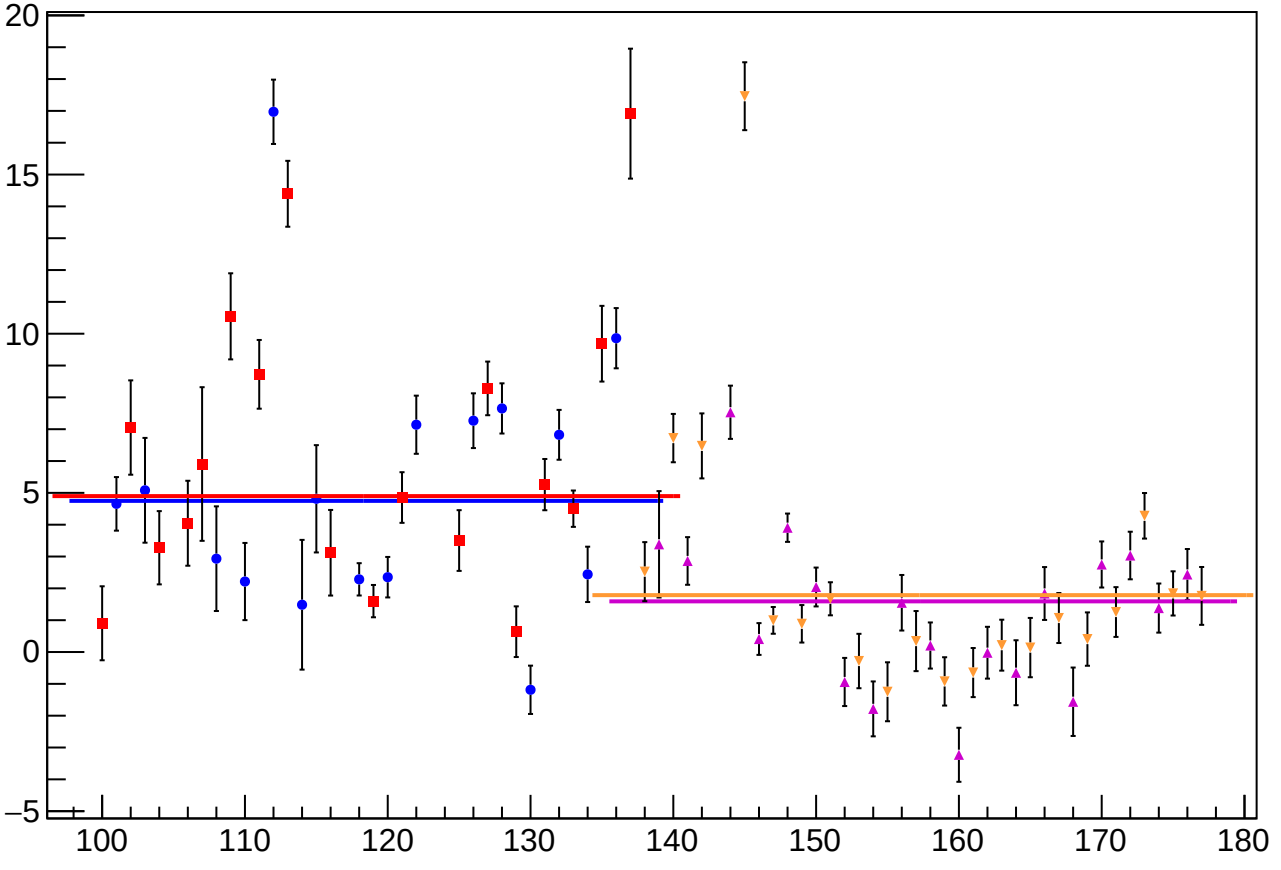
Left In: -40.351+/-0.238 χ^2/NDF:510.0/18

+ sign -36.770+/-0.160 χ^2/NDF: 2215.4/35

All: -36.485+/-0.112 χ^2/NDF: 5444.5/72

- sign -36.206+/-0.158 χ^2/NDF: 3222.8/36

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.787+/-0.165 χ^2/NDF:350.6/19

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

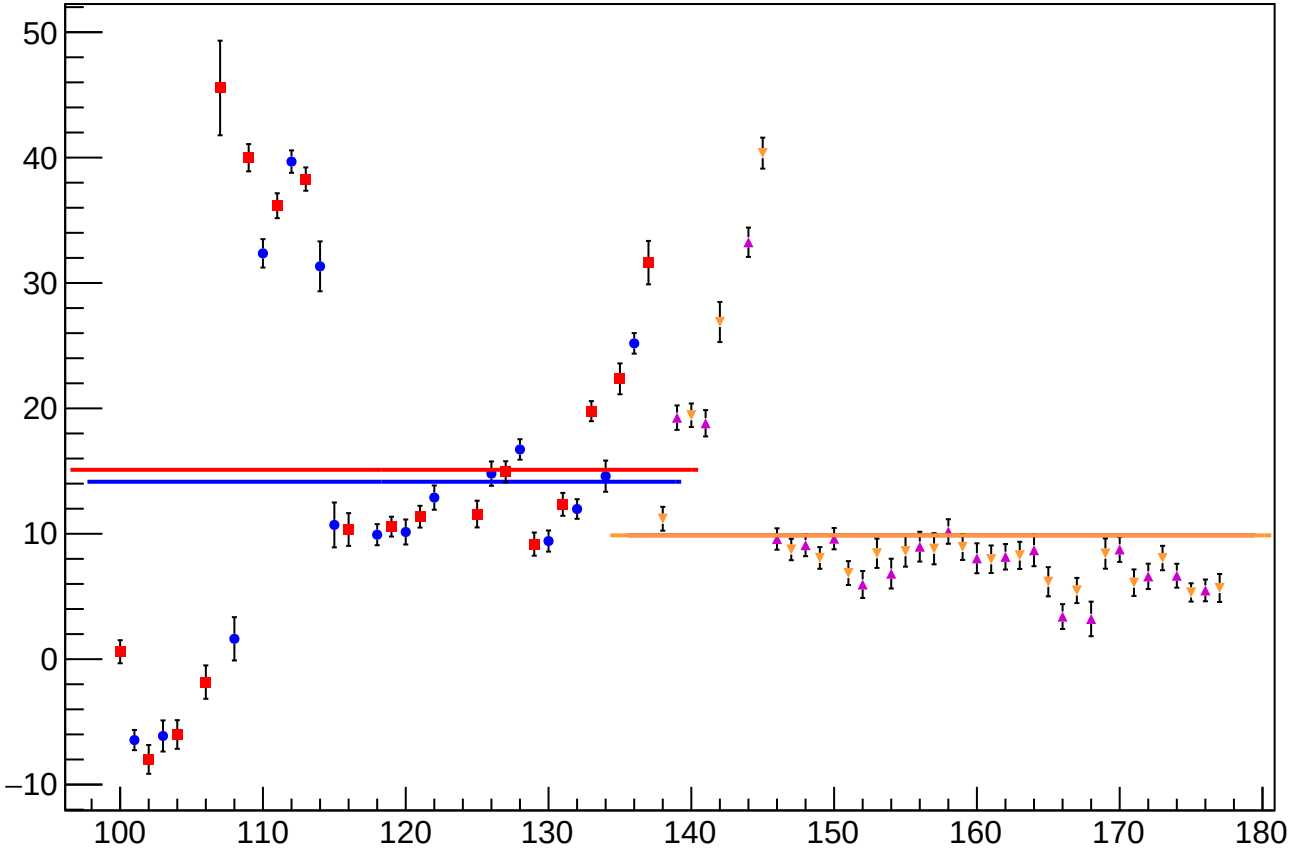
Left In: 1.591+/-0.170 χ^2/NDF:175.1/18

\+ sign 2.856+/-0.132 χ^2/NDF: 792.4/35

All: 2.841+/-0.094 χ^2/NDF: 1382.4/72

\- sign 2.825+/-0.134 χ^2/NDF: 589.9/36

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.878+/-0.231 χ^2/NDF:953.6/19

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

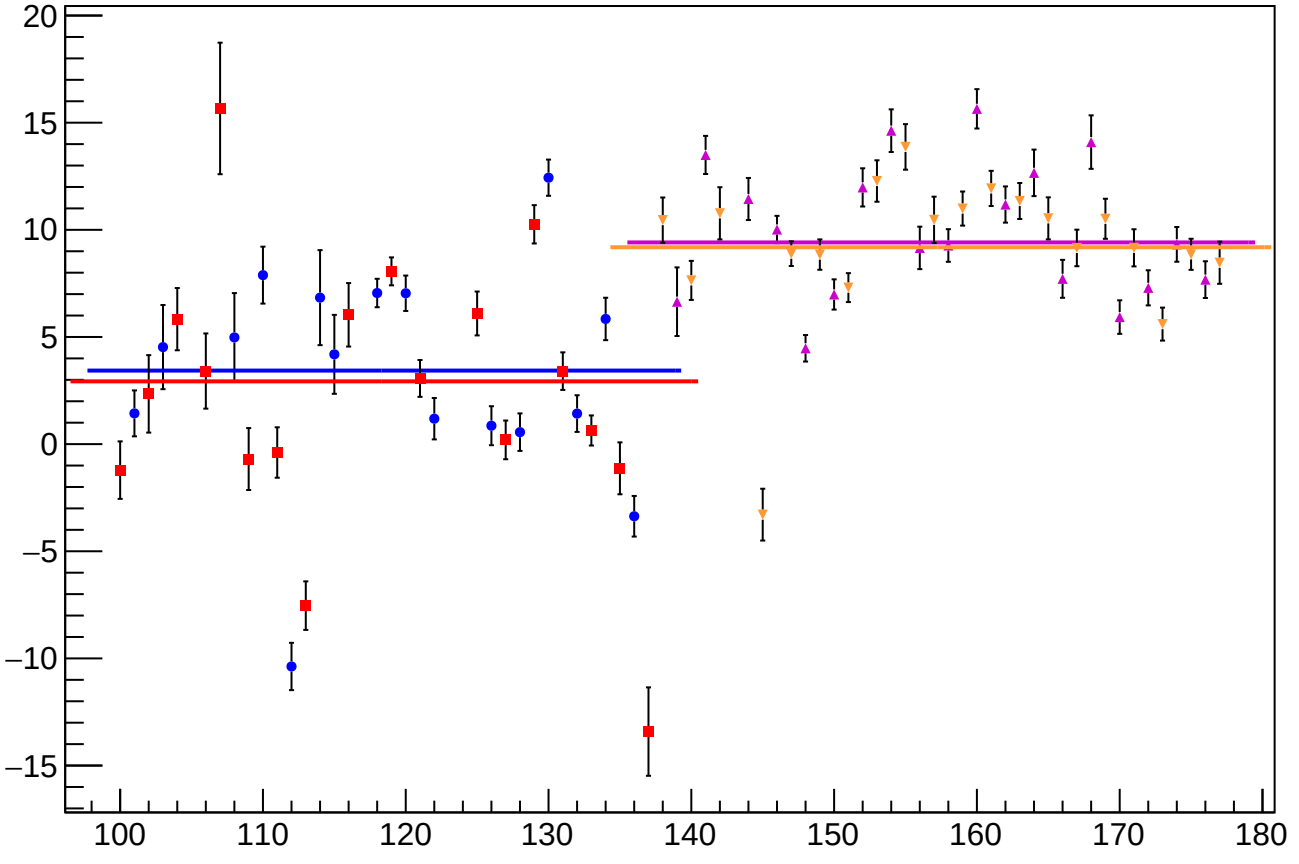
Left In: 9.877+/-0.234 χ^2/NDF:707.7/18

\+ sign 11.865+/-0.169 χ^2/NDF: 3515.6/35

All: 12.133+/-0.119 χ^2/NDF: 7571.9/72

\- sign 12.400+/-0.168 χ^2/NDF: 4051.3/36

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.188+/-0.191 χ^2/NDF:201.2/19

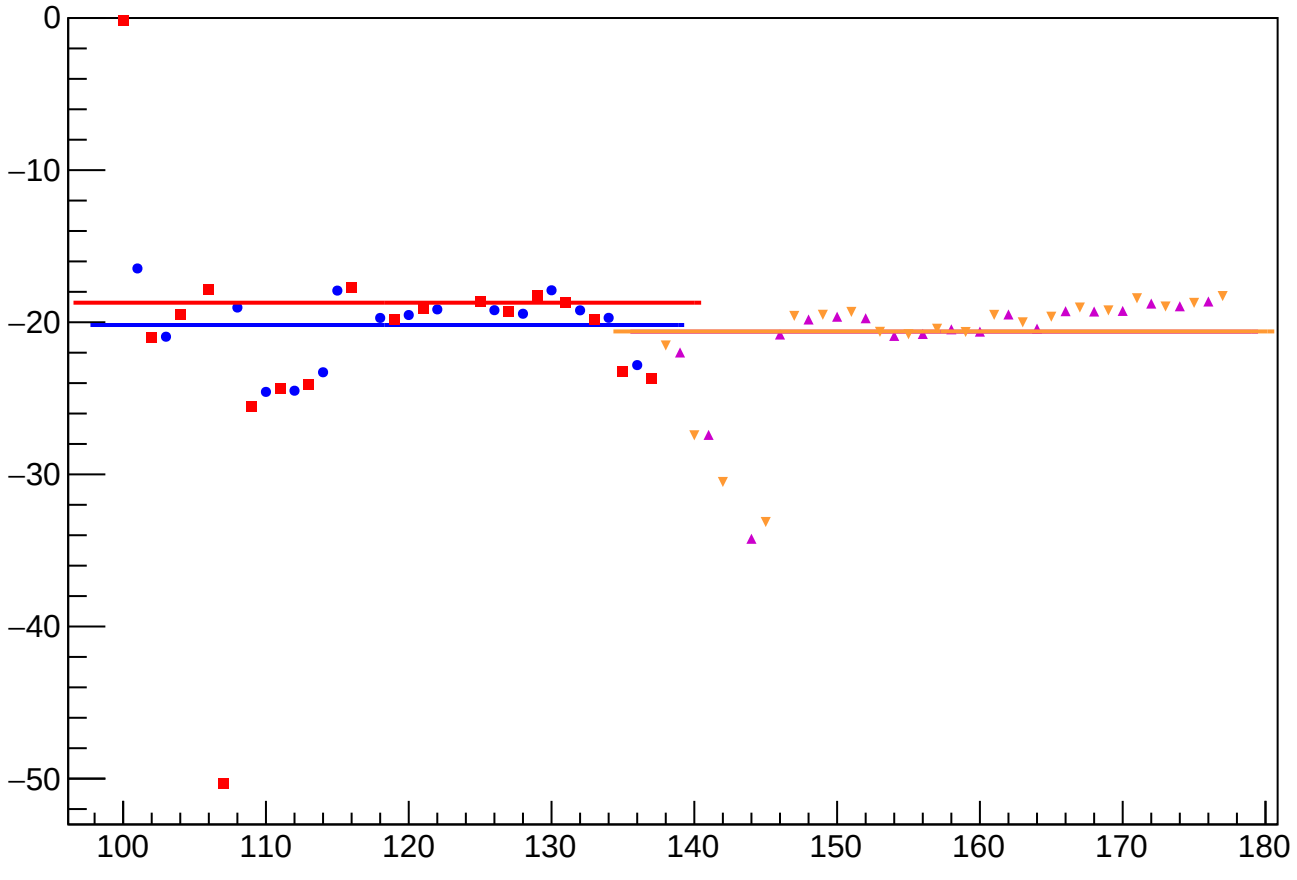
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.412+/-0.196 χ^2/NDF:248.4/18

+ sign 7.114+/-0.153 χ^2/NDF: 953.2/35

All: 7.054+/-0.109 χ^2/NDF: 1980.0/72

- sign 6.991+/-0.155 χ^2/NDF: 1026.6/36



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.603+/-0.009 χ^2/NDF:135730.5/19

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

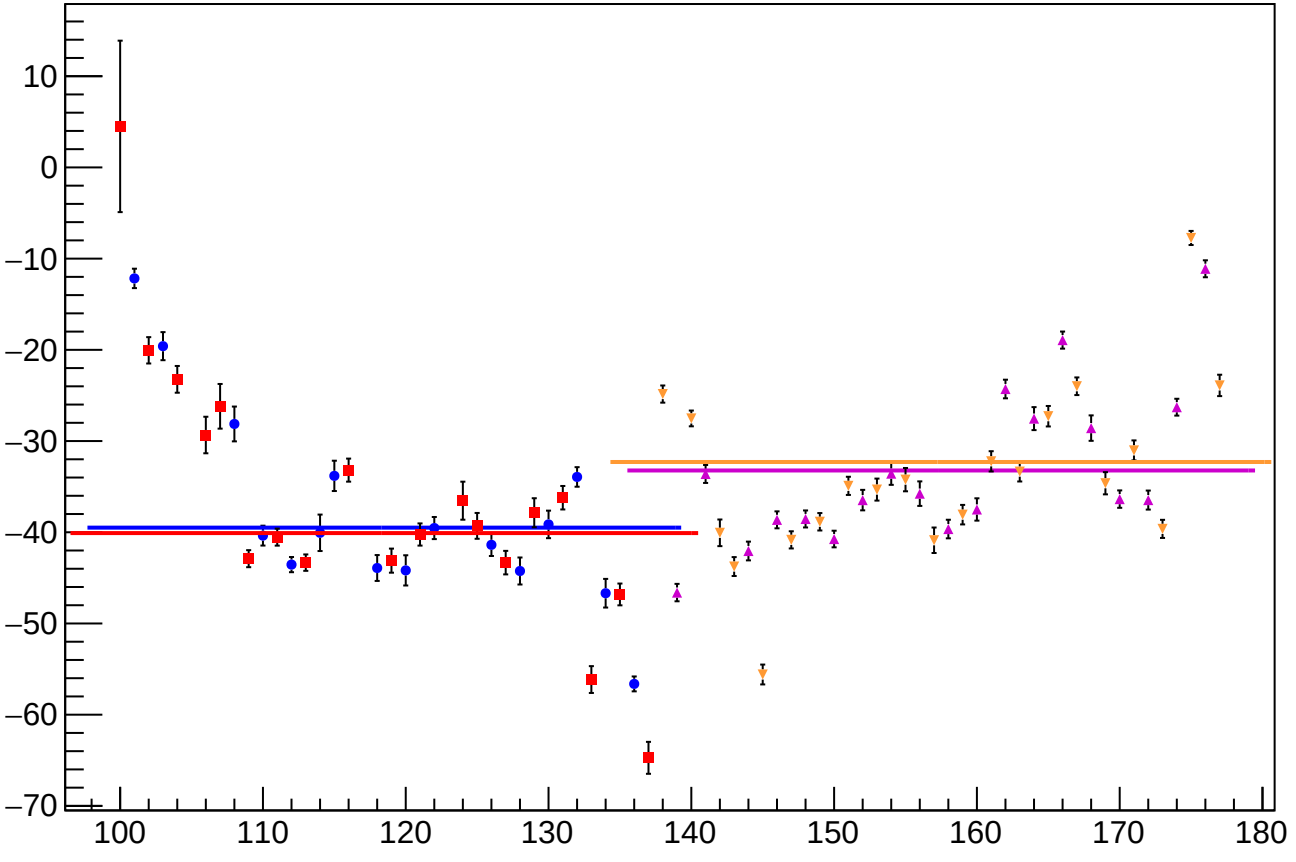
Left In: -20.618+/-0.009 χ^2/NDF:108402.8/18

+ sign -20.505+/-0.008 χ^2/NDF: 156120.0/35

All: -20.331+/-0.005 χ^2/NDF: 511564.8/72

- sign -20.160+/-0.008 χ^2/NDF: 354431.9/36

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -32.295+/-0.229 χ^2/NDF:2129.8/20

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

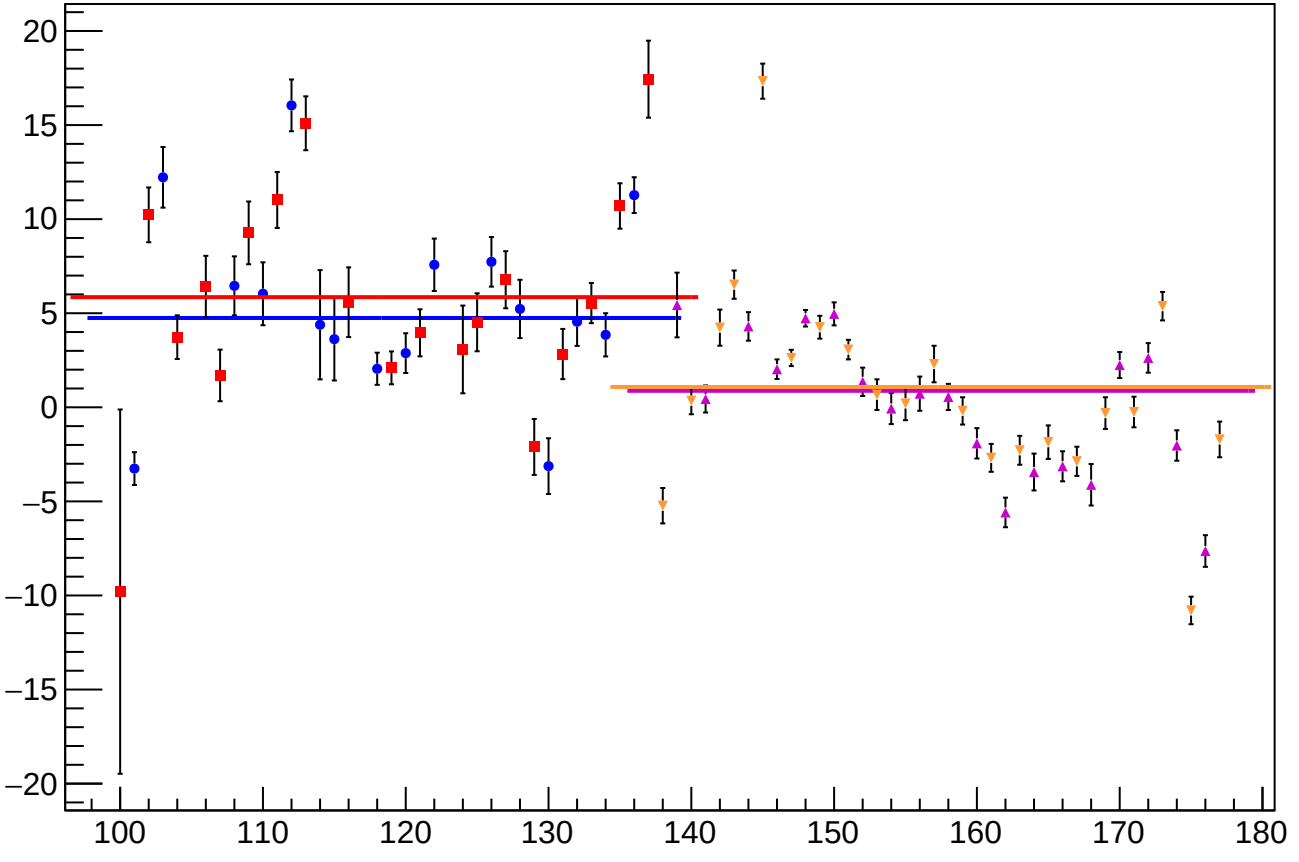
Left In: -33.226+/-0.237 χ^2/NDF:1451.5/18

+ sign -34.828+/-0.184 χ^2/NDF: 3894.7/36

All: -35.299+/-0.131 χ^2/NDF: 6507.6/74

- sign -35.787+/-0.188 χ^2/NDF: 2599.6/37

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.081+/-0.161 χ^2/NDF:864.9/20

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

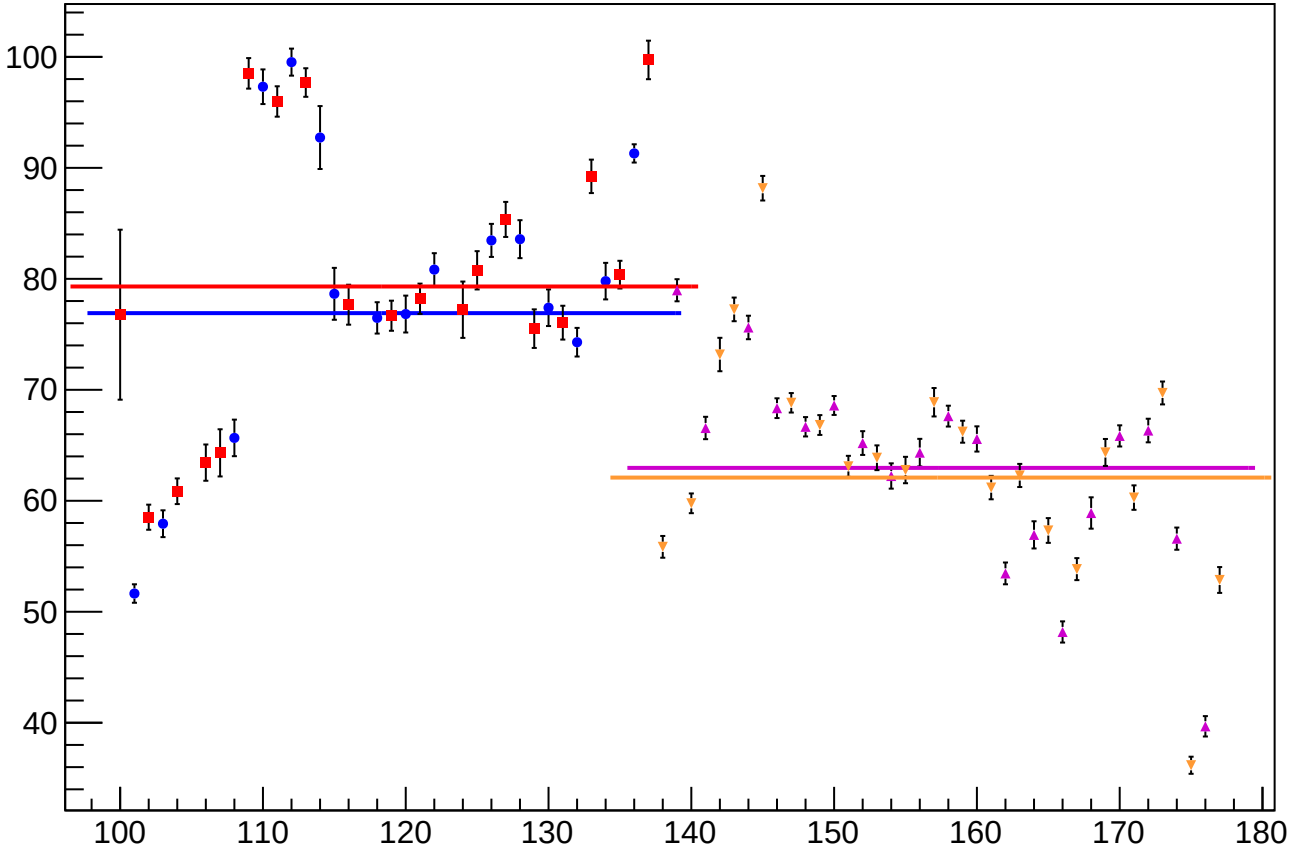
Left In: 0.877+/-0.168 χ^2/NDF:425.1/18

+ sign 1.836+/-0.143 χ^2/NDF: 1245.7/36

All: 1.883+/-0.103 χ^2/NDF: 2044.6/74

- sign 1.935+/-0.149 χ^2/NDF: 798.7/37

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 62.092+/-0.225 χ^2/NDF:2338.6/20

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

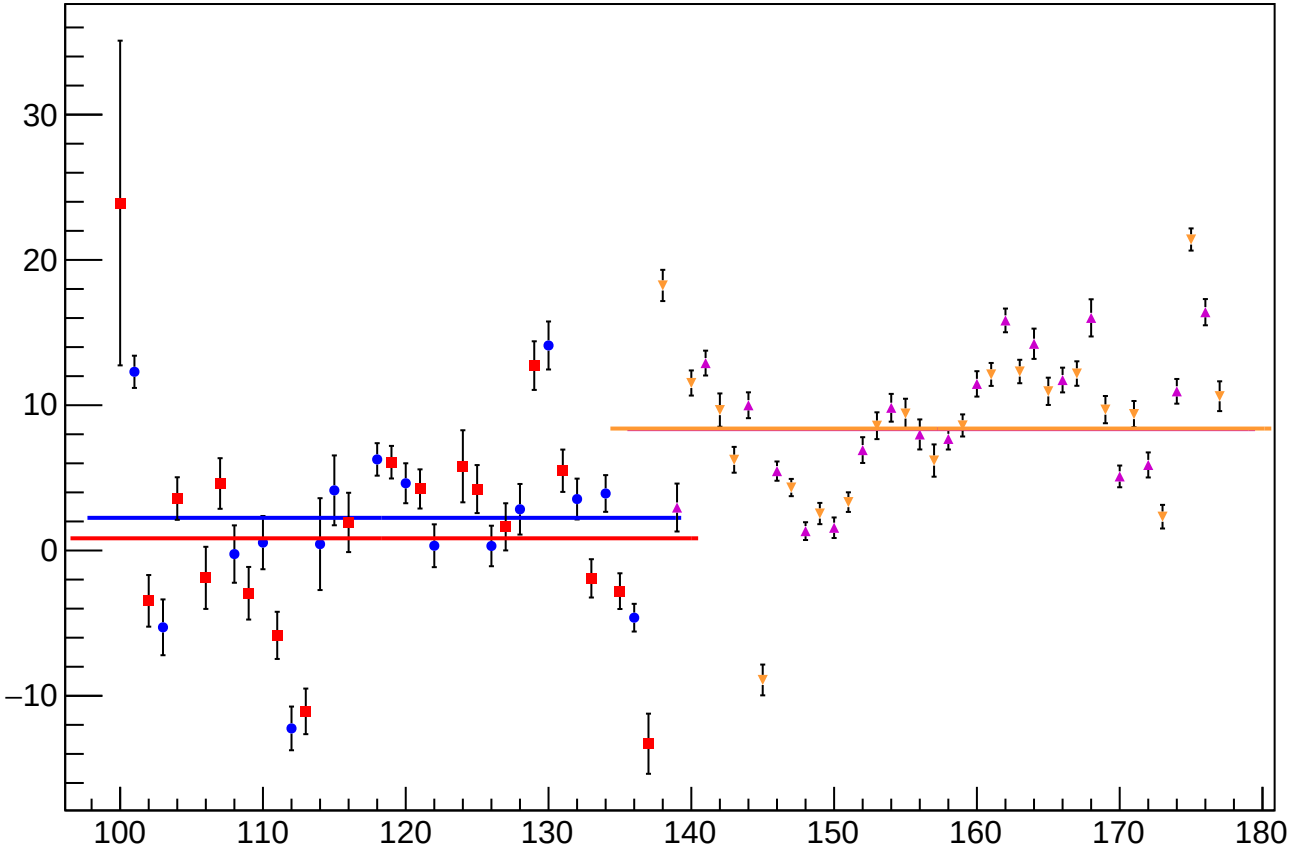
Left In: 62.965+/-0.232 χ^2/NDF:1616.9/18

+ sign 66.664+/-0.187 χ^2/NDF: 5792.4/36

All: 67.315+/-0.134 χ^2/NDF: 10457.3/74

- sign 68.011+/-0.193 χ^2/NDF: 4639.8/37

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 8.394+/-0.186 χ^2/NDF:970.4/20

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

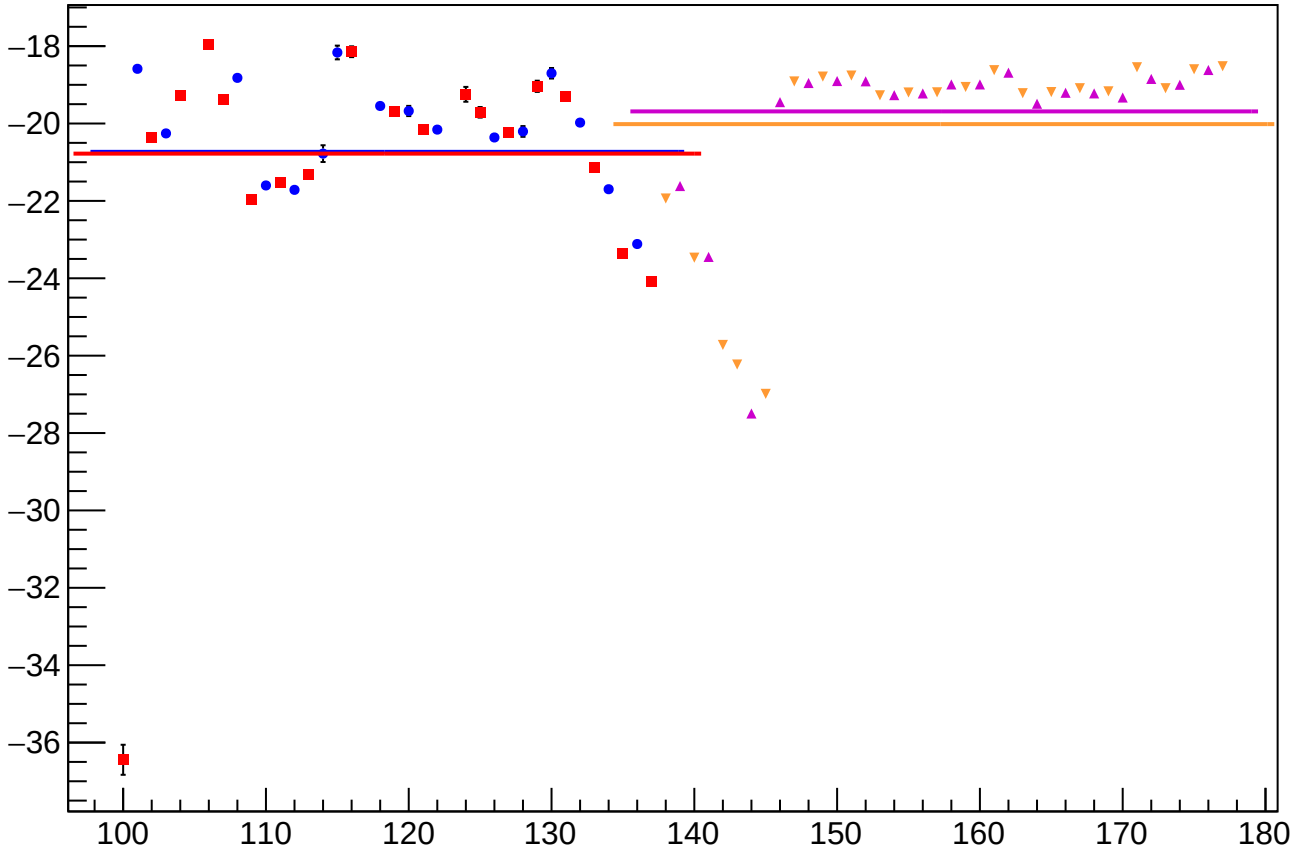
Left In: 8.354+/-0.194 χ^2/NDF:587.2/18

\+ sign 7.117+/-0.165 χ^2/NDF: 1517.0/36

All: 6.940+/-0.119 χ^2/NDF: 2683.5/74

\- sign 6.749+/-0.172 χ^2/NDF: 1164.1/37

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.016+/-0.009 χ^2/NDF:76791.7/20

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

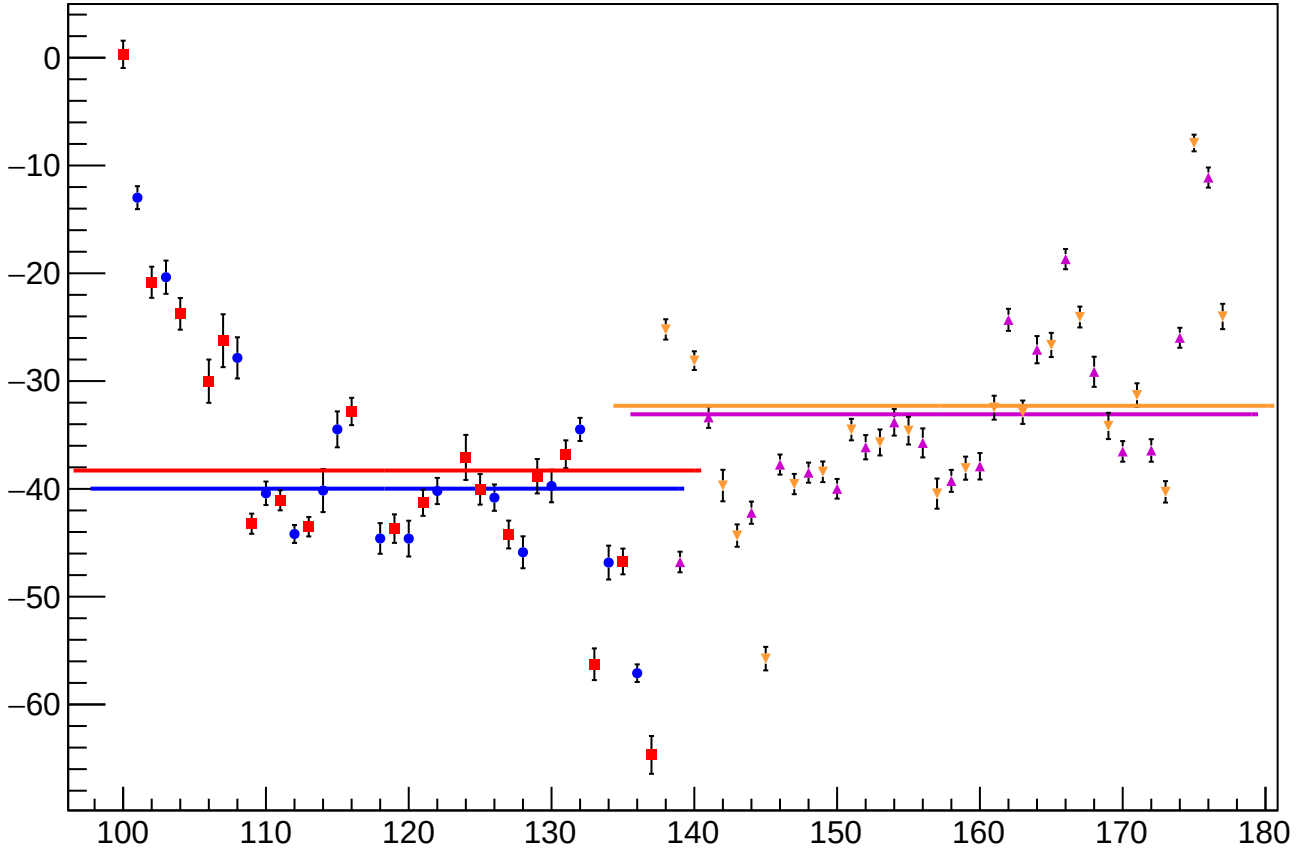
Left In: -19.687+/-0.009 χ^2/NDF:43597.9/18

+ sign -20.133+/-0.008 χ^2/NDF: 85564.4/36

All: -19.999+/-0.006 χ^2/NDF: 141648.3/74

- sign -19.859+/-0.008 χ^2/NDF: 55486.5/37

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -32.290+/-0.229 χ^2/NDF:2091.4/20

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

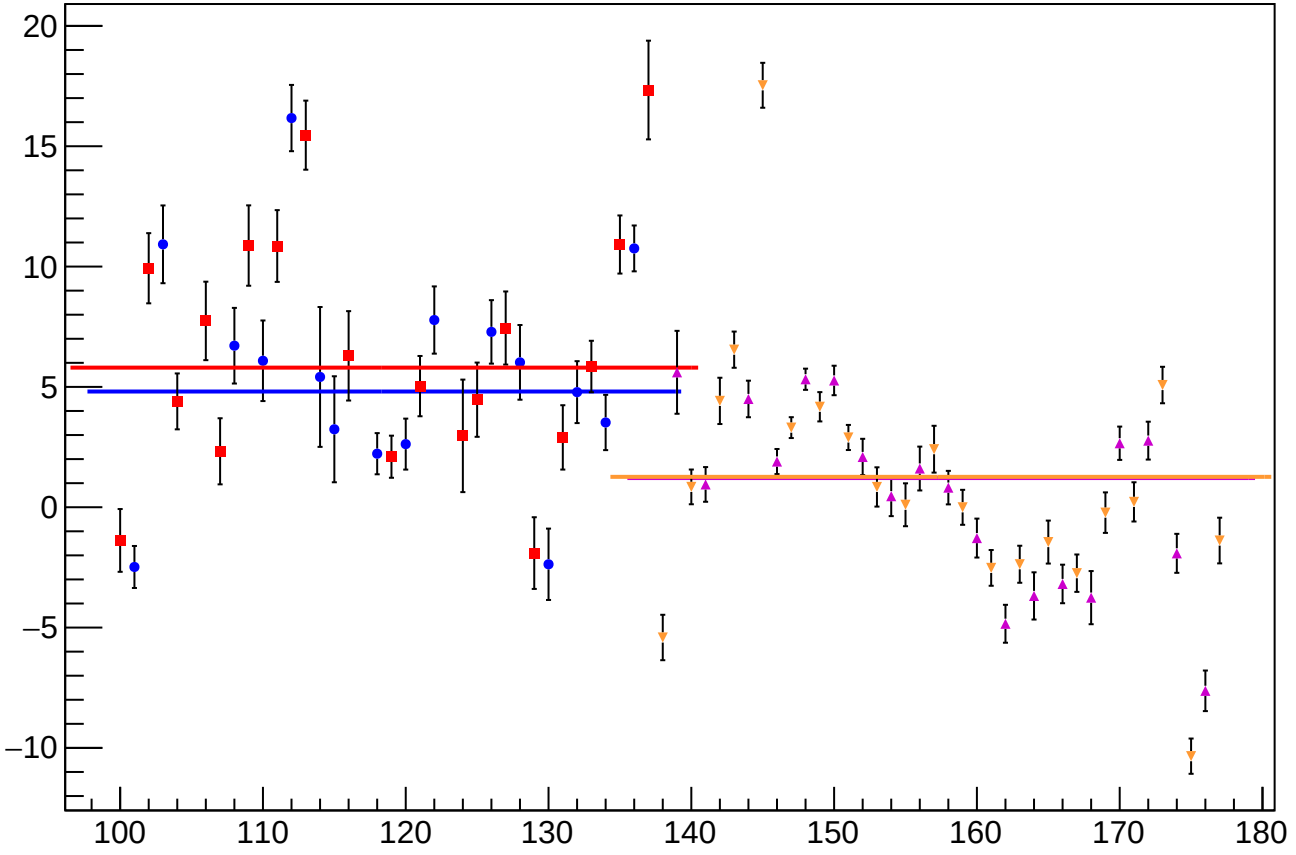
Left In: -33.081+/-0.237 χ^2/NDF:1439.5/18

+ sign -34.996+/-0.185 χ^2/NDF: 3885.7/36

All: -35.046+/-0.131 χ^2/NDF: 7285.6/74

- sign -35.096+/-0.186 χ^2/NDF: 3399.7/37

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.263+/-0.161 χ^2/NDF:848.5/20

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

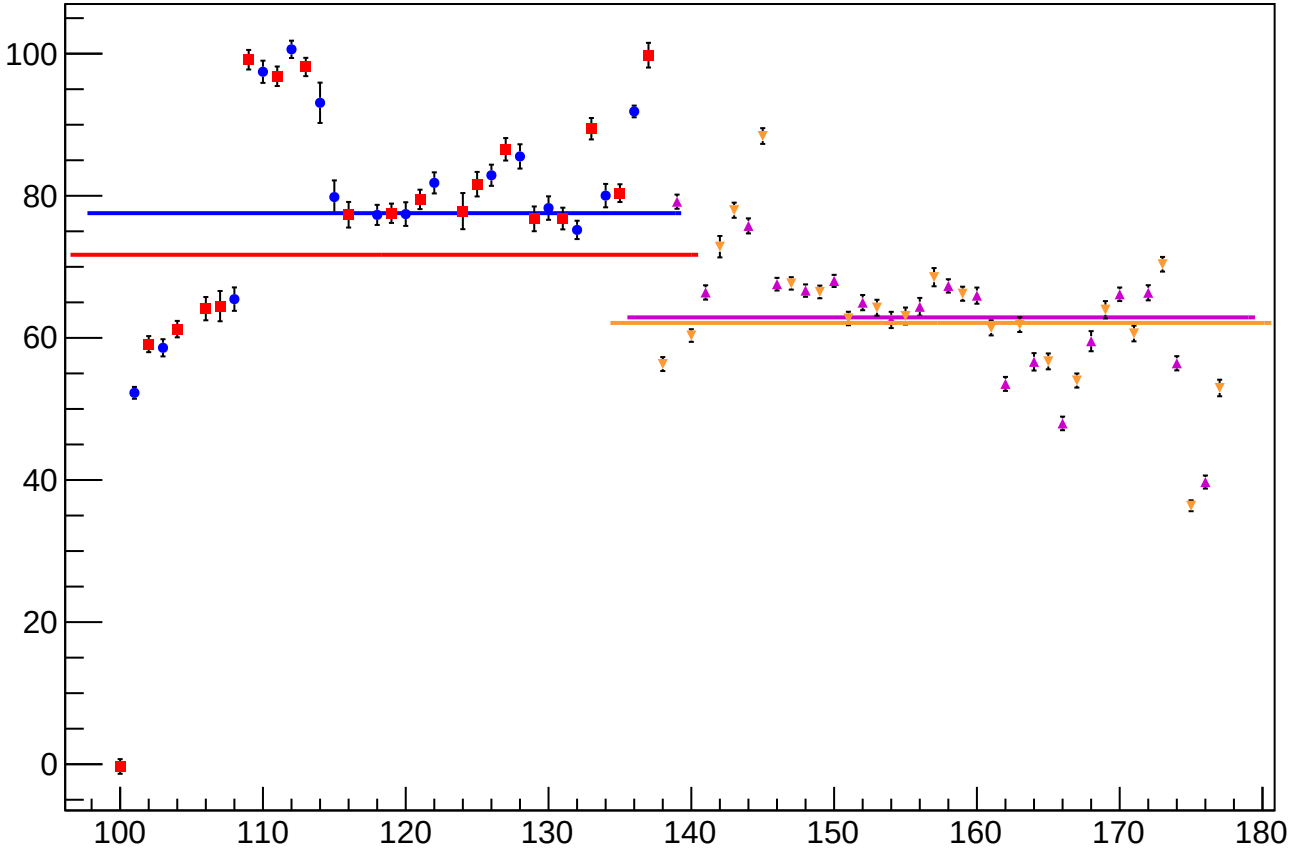
Left In: 1.213+/-0.169 χ^2/NDF:437.7/18

\+ sign 1.993+/-0.144 χ^2/NDF: 1188.7/36

All: 2.110+/-0.103 χ^2/NDF: 2009.1/74

\- sign 2.235+/-0.149 χ^2/NDF: 819.0/37

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 62.106+/-0.225 χ^2/NDF:2316.8/20

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

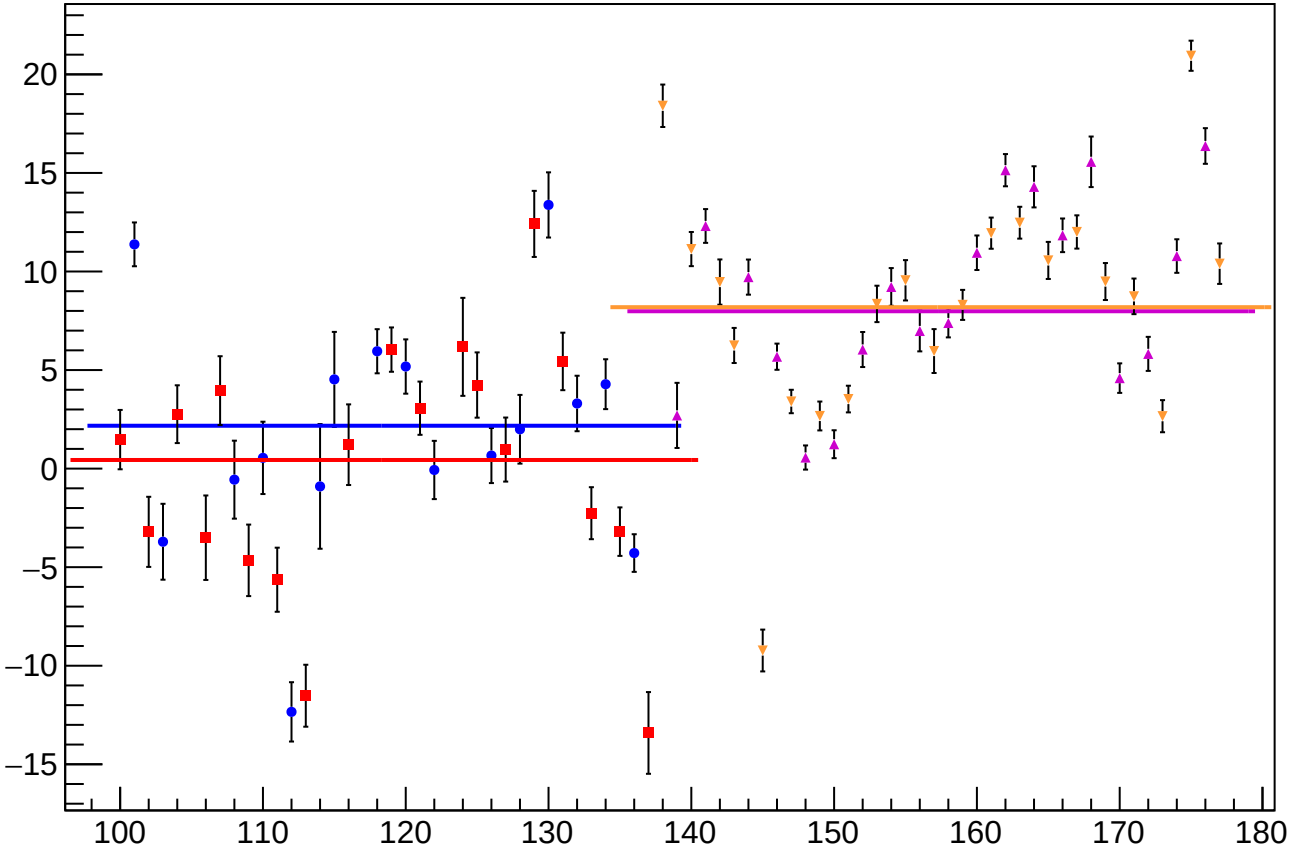
Left In: 62.887+/-0.233 χ^2/NDF:1605.8/18

+ sign 66.872+/-0.187 χ^2/NDF: 5884.7/36

All: 66.350+/-0.134 χ^2/NDF: 14884.9/74

- sign 65.811+/-0.190 χ^2/NDF: 8984.4/37

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 8.190+/-0.186 χ^2/NDF:961.0/20

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

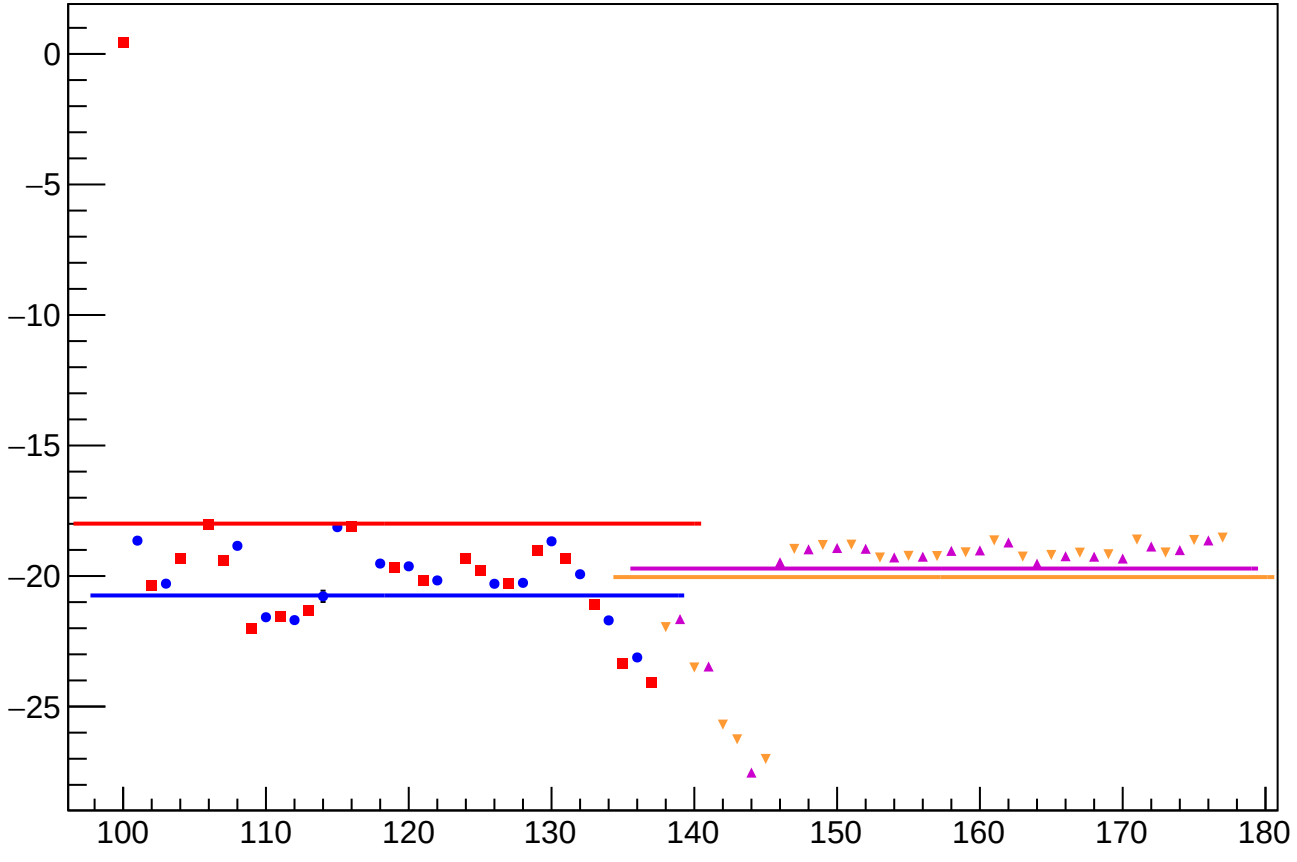
Left In: 7.983+/-0.194 χ^2/NDF:600.5/18

\+ sign 6.940+/-0.166 χ^2/NDF: 1468.1/36

All: 6.628+/-0.119 χ^2/NDF: 2667.4/74

\- sign 6.296+/-0.171 χ^2/NDF: 1192.1/37

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.041+/-0.009 χ^2/NDF:76368.5/20

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

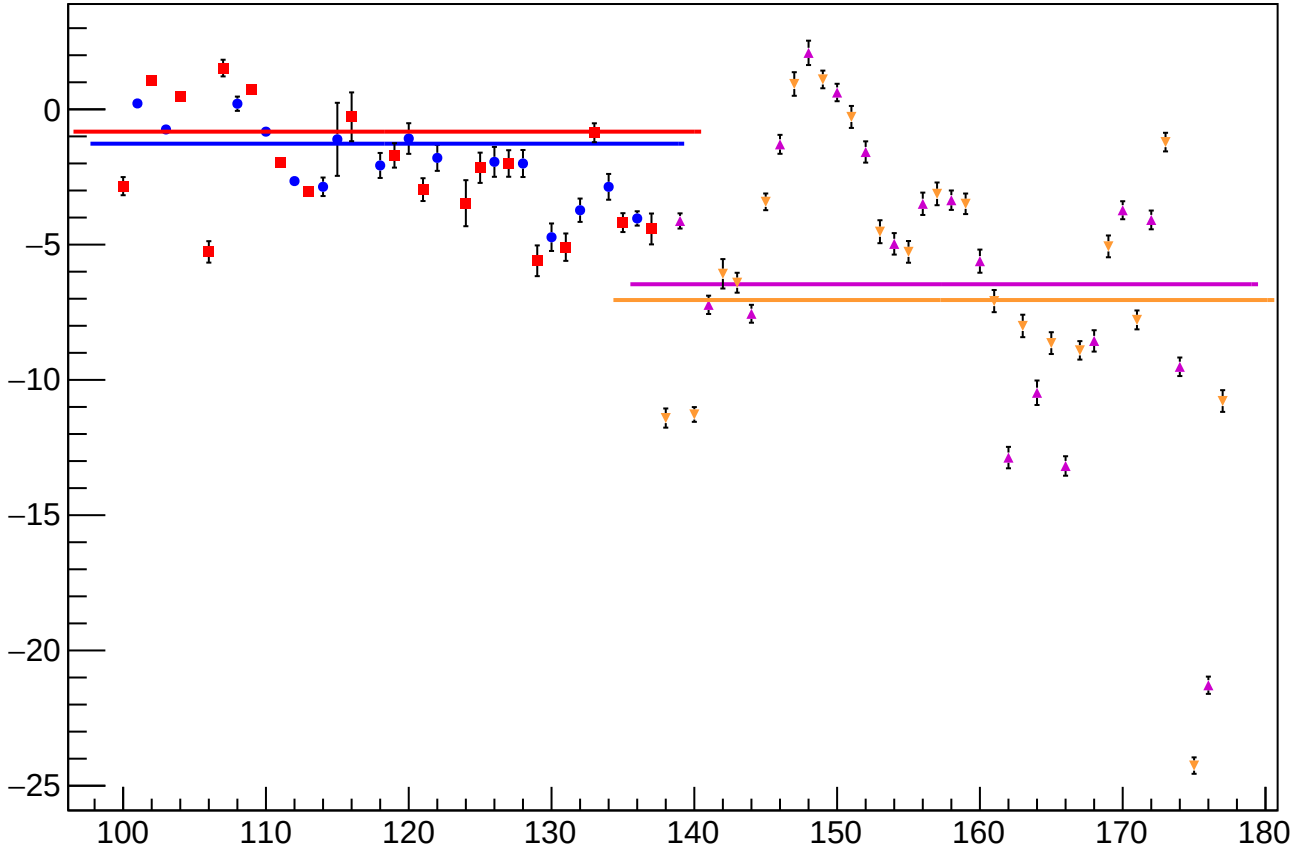
Left In: -19.713+/-0.009 χ^2/NDF:43479.9/18

+ sign -20.156+/-0.008 χ^2/NDF: 84975.7/36

All: -19.786+/-0.006 χ^2/NDF: 290337.0/74

- sign -19.410+/-0.008 χ^2/NDF: 200900.0/37

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -7.048+/-0.081 χ^2/NDF:5672.2/20

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

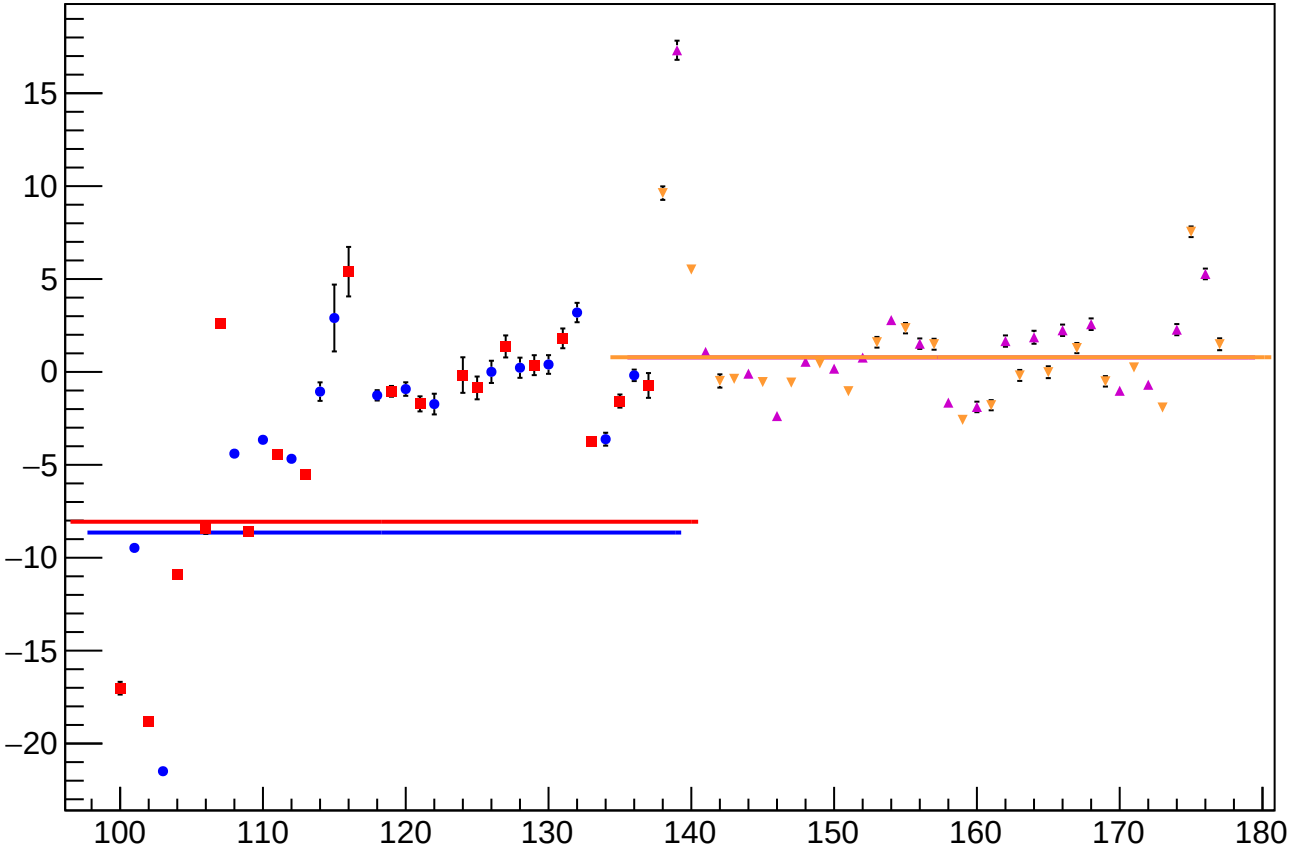
Left In: -6.465+/-0.083 χ^2/NDF:4519.2/18

+ sign -3.085+/-0.045 χ^2/NDF: 9817.7/36

All: -2.719+/-0.031 χ^2/NDF: 19217.1/74

- sign -2.381+/-0.043 χ^2/NDF: 9273.1/37

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.791+/-0.058 χ^2/NDF:2198.9/20

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

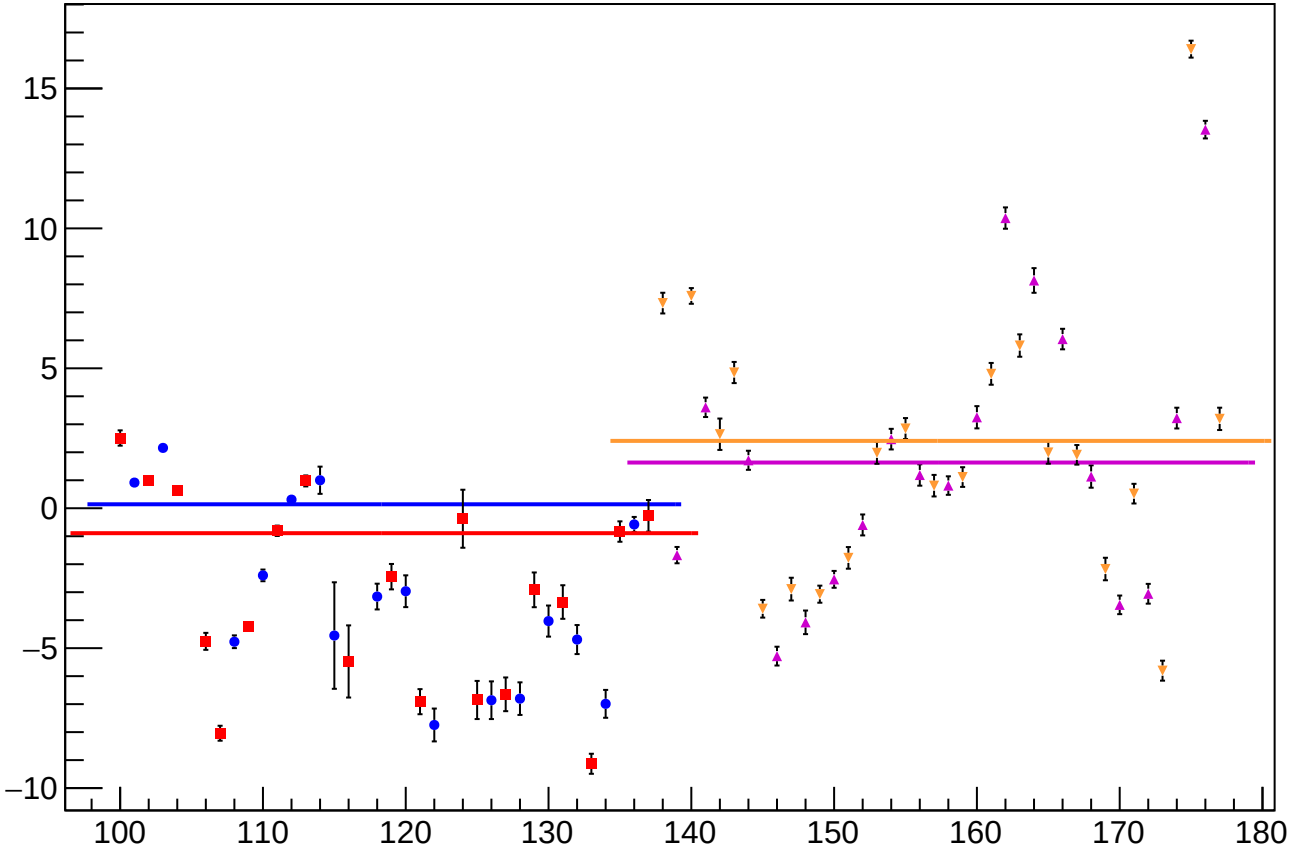
Left In: 0.780+/-0.061 χ^2/NDF:1954.1/18

+ sign -4.050+/-0.041 χ^2/NDF: 29400.5/36

All: -3.990+/-0.029 χ^2/NDF: 56850.2/74

- sign -3.926+/-0.042 χ^2/NDF: 27445.2/37

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 2.407+/-0.079 χ^2/NDF:4502.0/20

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

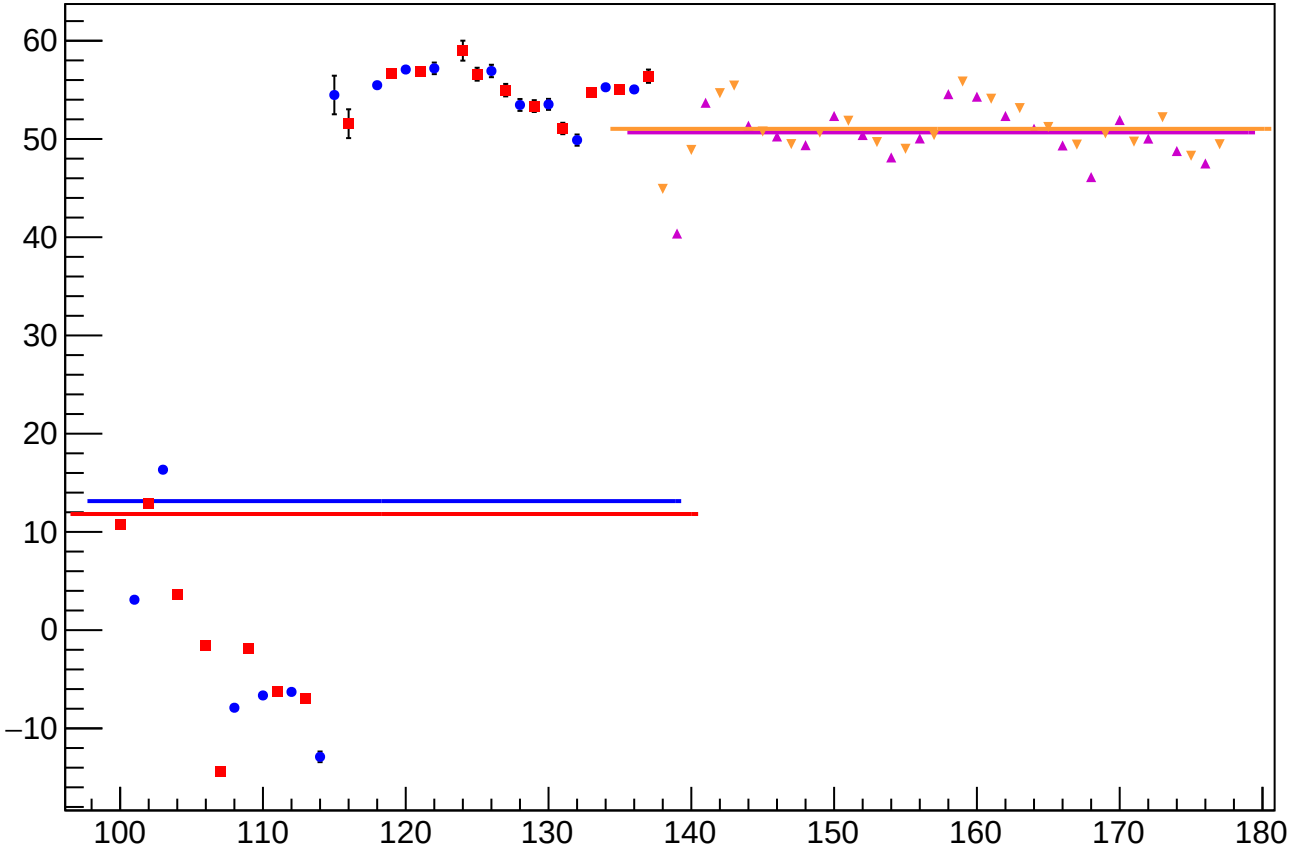
Left In: 1.633+/-0.081 χ^2/NDF:3770.2/18

+ sign 0.839+/-0.044 χ^2/NDF: 7025.3/36

All: 0.364+/-0.031 χ^2/NDF: 14688.8/74

- sign -0.127+/-0.045 χ^2/NDF: 7427.2/37

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.032+/-0.067 χ^2/NDF:1298.1/20

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

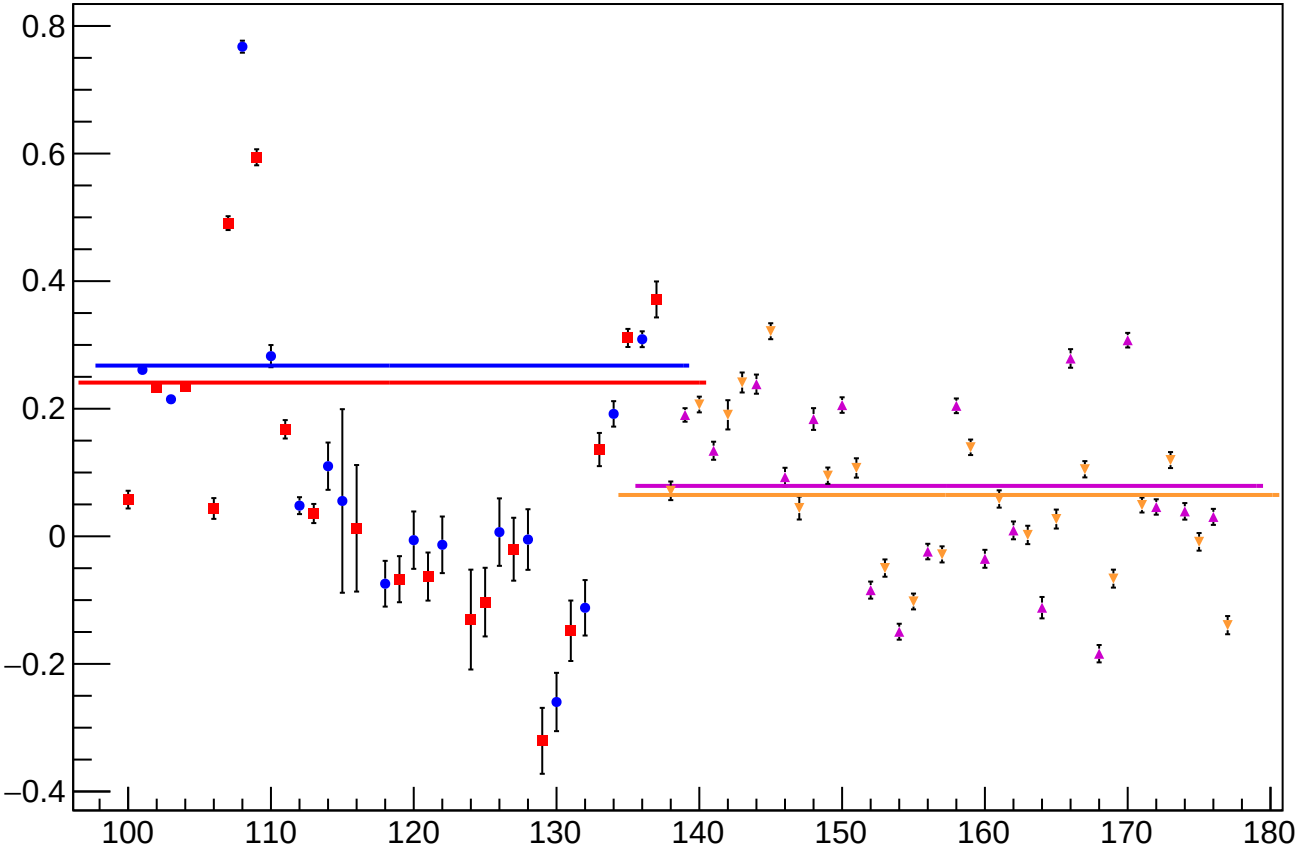
Left In: 50.670+/-0.069 χ^2/NDF:1424.4/18

+ sign 32.448+/-0.048 χ^2/NDF: 268406.5/36

All: 31.636+/-0.034 χ^2/NDF: 548677.8/74

- sign 30.792+/-0.049 χ^2/NDF: 279677.6/37

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.065+/-0.003 χ^2/NDF:1446.4/20

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

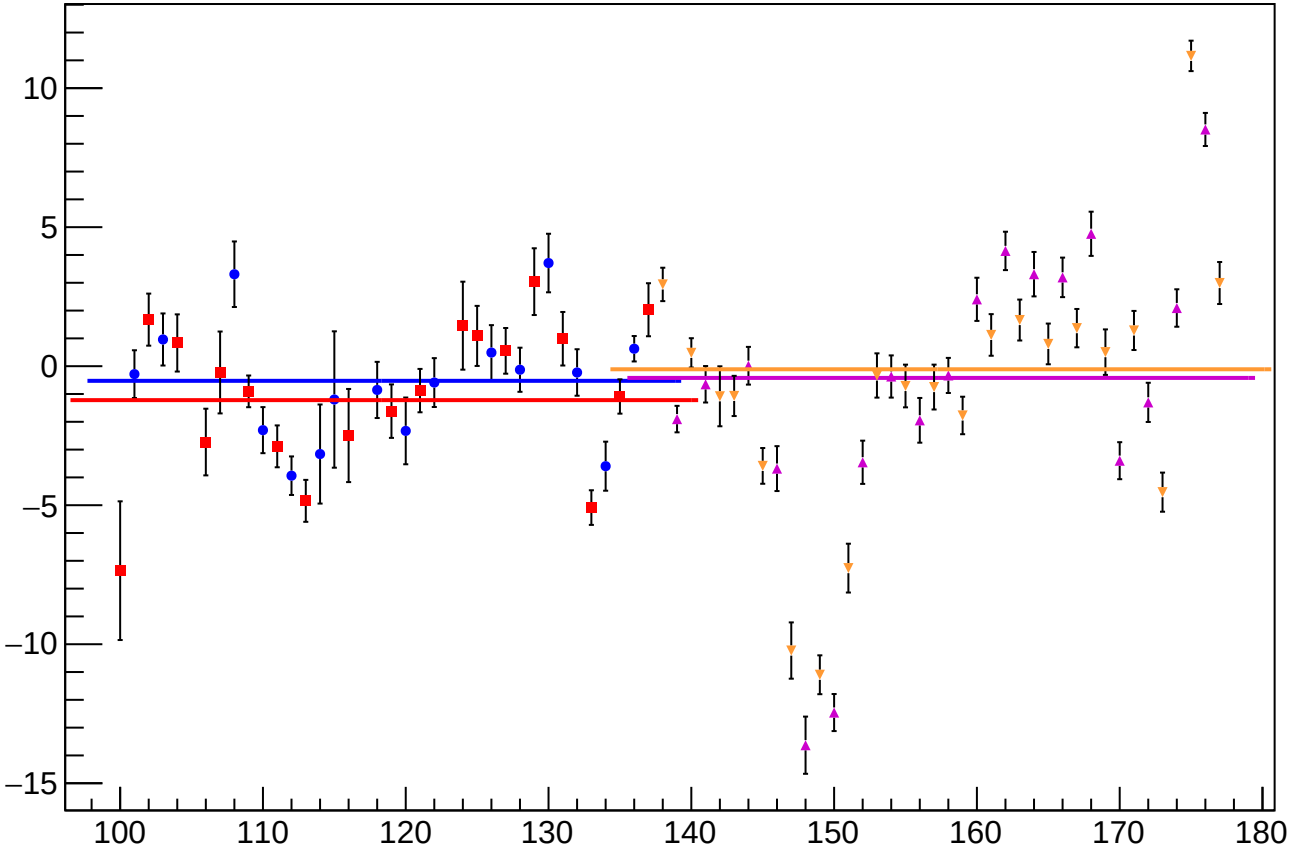
Left In: 0.079+/-0.003 χ^2/NDF:2270.5/18

+ sign 0.173+/-0.002 χ^2/NDF: 7625.7/36

All: 0.170+/-0.001 χ^2/NDF: 13816.1/74

- sign 0.168+/-0.002 χ^2/NDF: 6186.7/37

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.111+/-0.156 χ^2/NDF:979.1/20

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

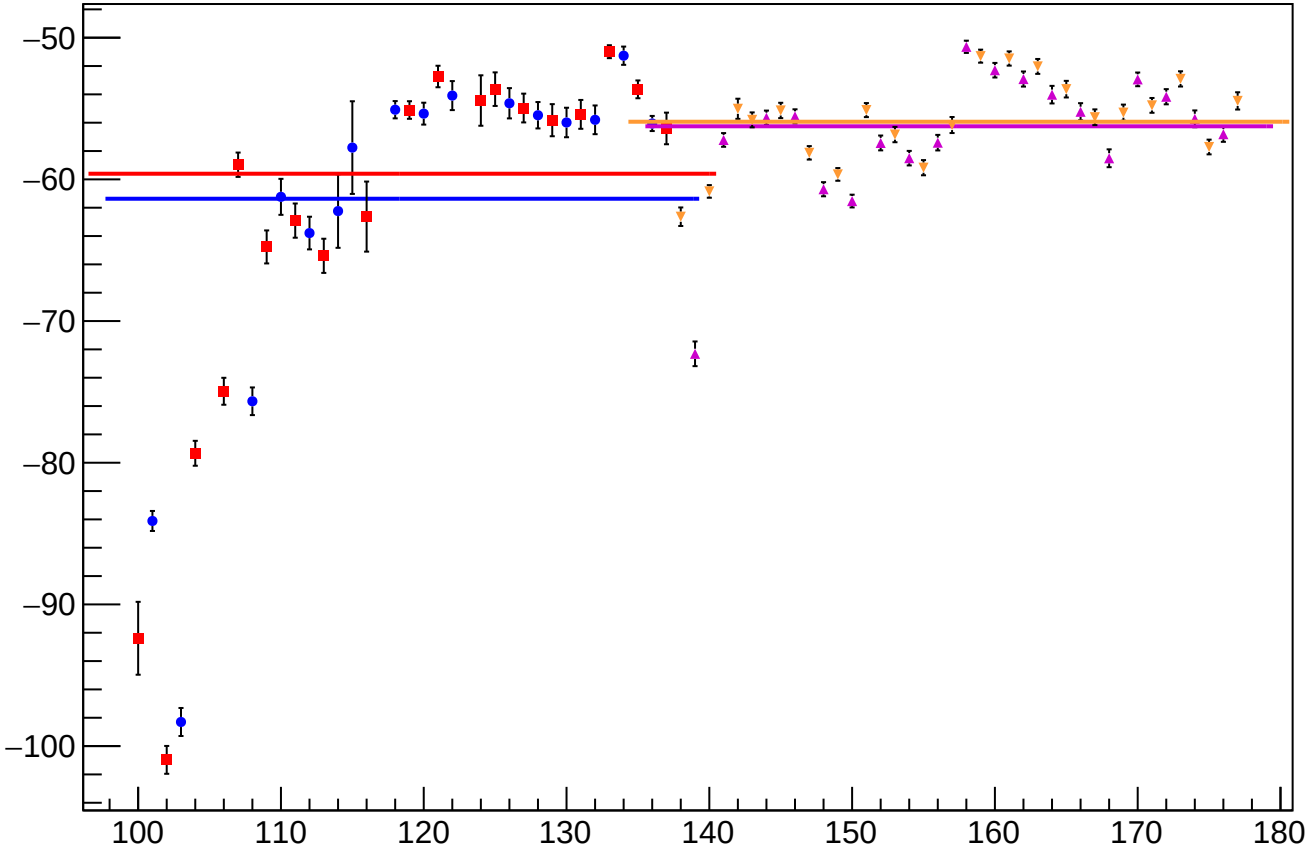
Left In: -0.422+/-0.160 χ^2/NDF:944.8/18

+ sign -0.253+/-0.127 χ^2/NDF: 1064.2/36

All: -0.490+/-0.089 χ^2/NDF: 2156.4/74

- sign -0.724+/-0.126 χ^2/NDF: 1085.2/37

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -55.931+/-0.116 χ^2/NDF:668.3/20

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

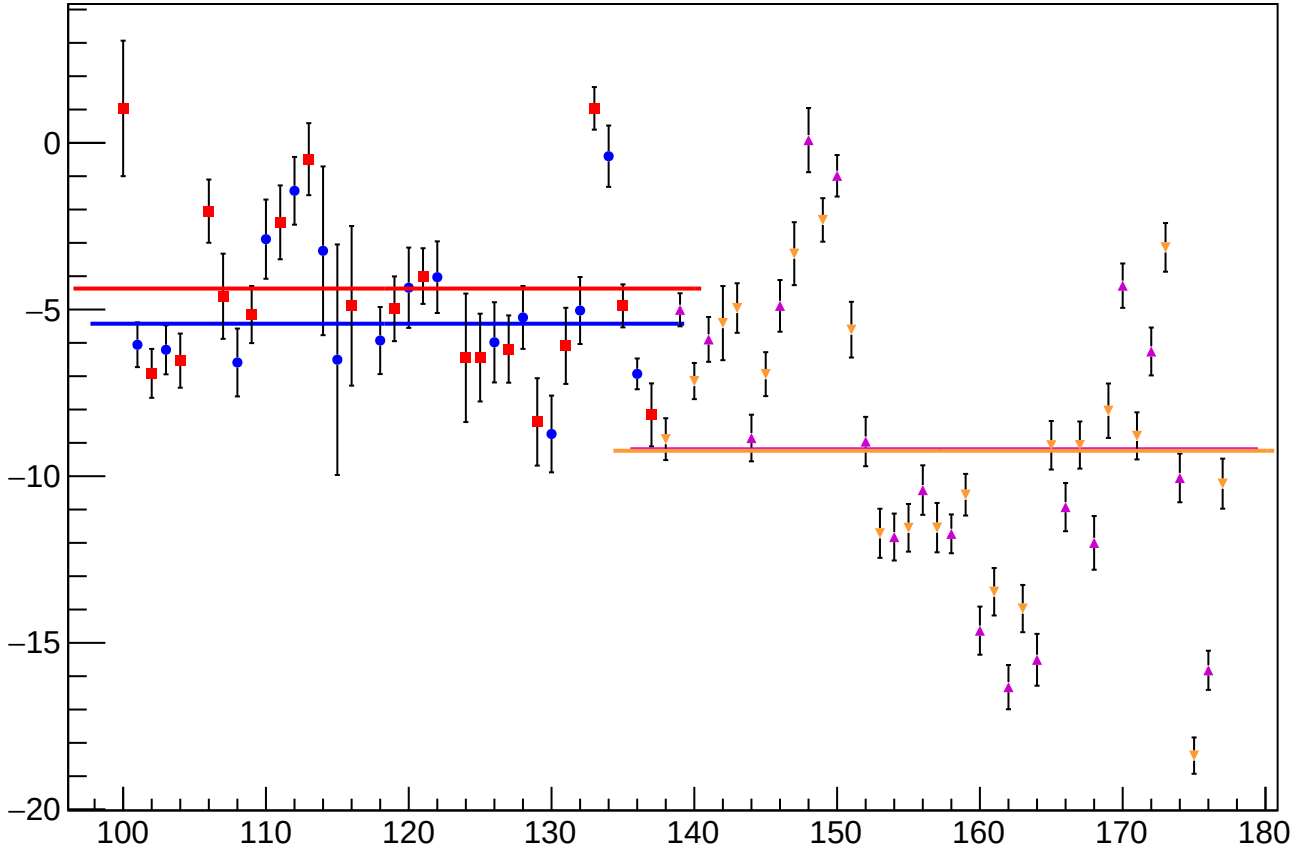
Left In: -56.253+/-0.122 χ^2/NDF:951.0/18

\+ sign -57.116+/-0.102 χ^2/NDF: 4501.3/36

All: -57.115+/-0.073 χ^2/NDF: 9068.6/74

\- sign -57.114+/-0.105 χ^2/NDF: 4567.3/37

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -9.236+/-0.154 χ^2/NDF:714.0/20

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

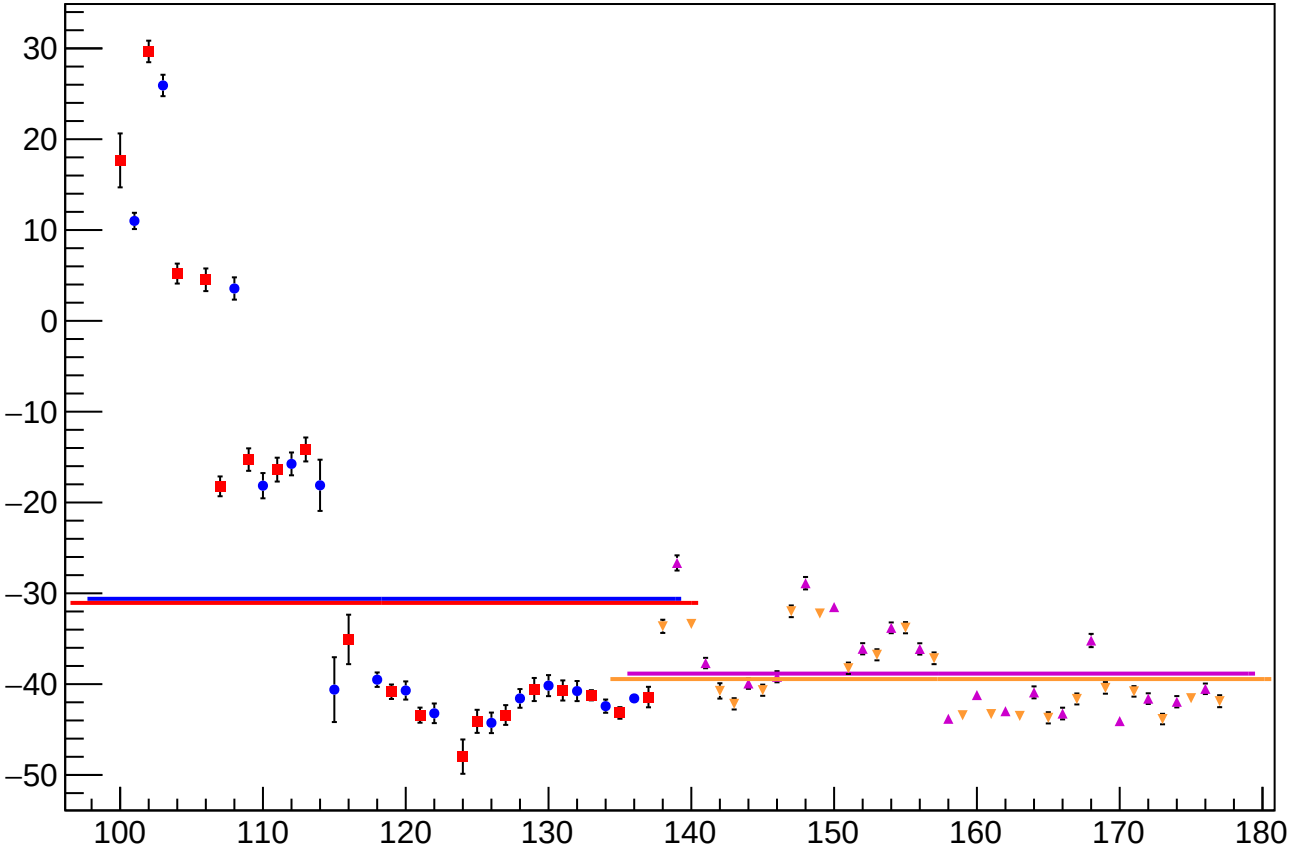
Left In: -9.193+/-0.157 χ^2/NDF:884.6/18

+ sign -8.059+/-0.128 χ^2/NDF: 979.8/36

All: -7.825+/-0.091 χ^2/NDF: 2341.2/74

- sign -7.589+/-0.128 χ^2/NDF: 1354.7/37

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.442+/-0.131 χ^2/NDF:981.5/20

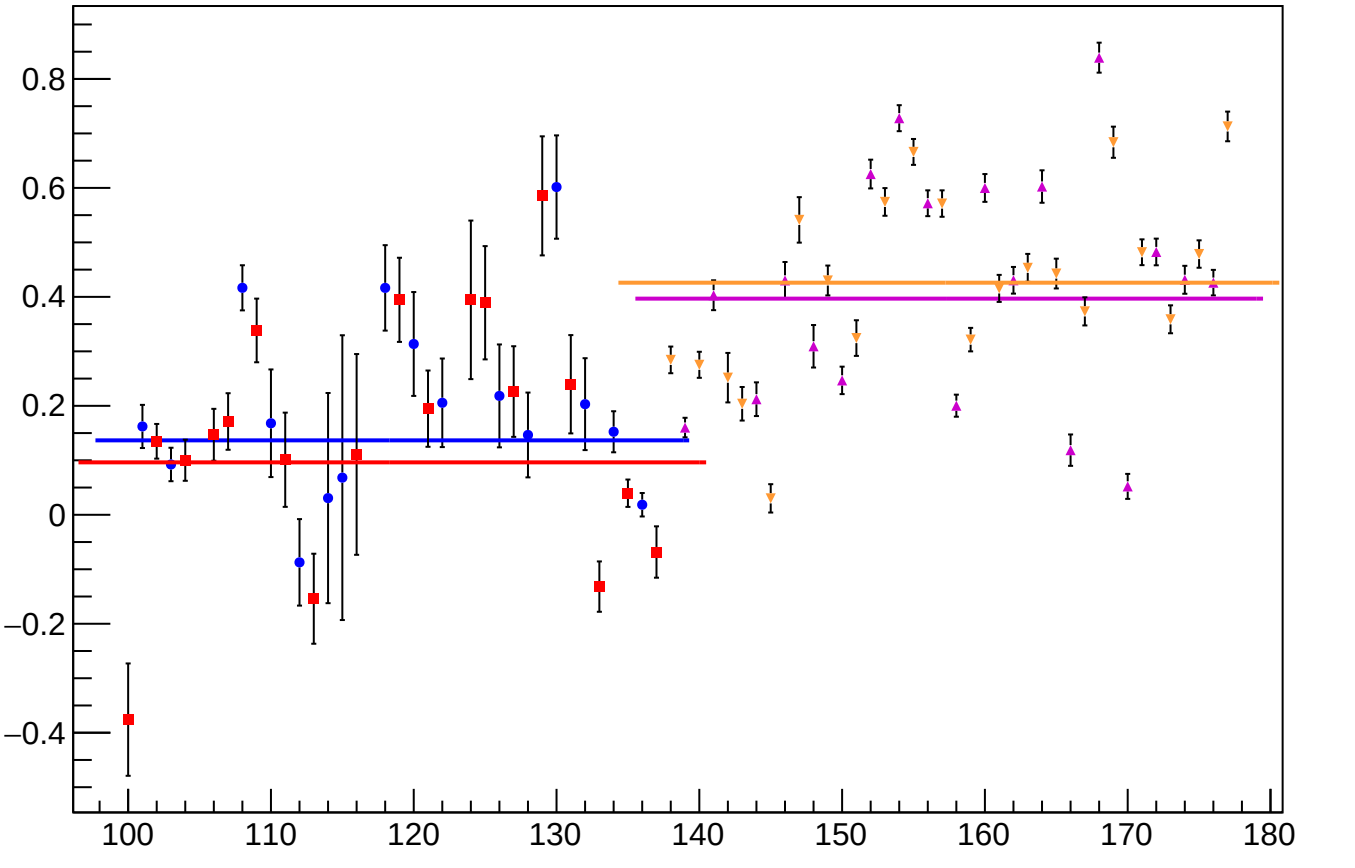
Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.841+/-0.136 χ^2/NDF:1171.2/18

+ sign -37.542+/-0.116 χ^2/NDF: 8905.2/36

All: -37.237+/-0.083 χ^2/NDF: 17874.4/74

- sign -36.919+/-0.118 χ^2/NDF: 8955.0/37



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.426+/-0.006 χ^2/NDF:799.0/20

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

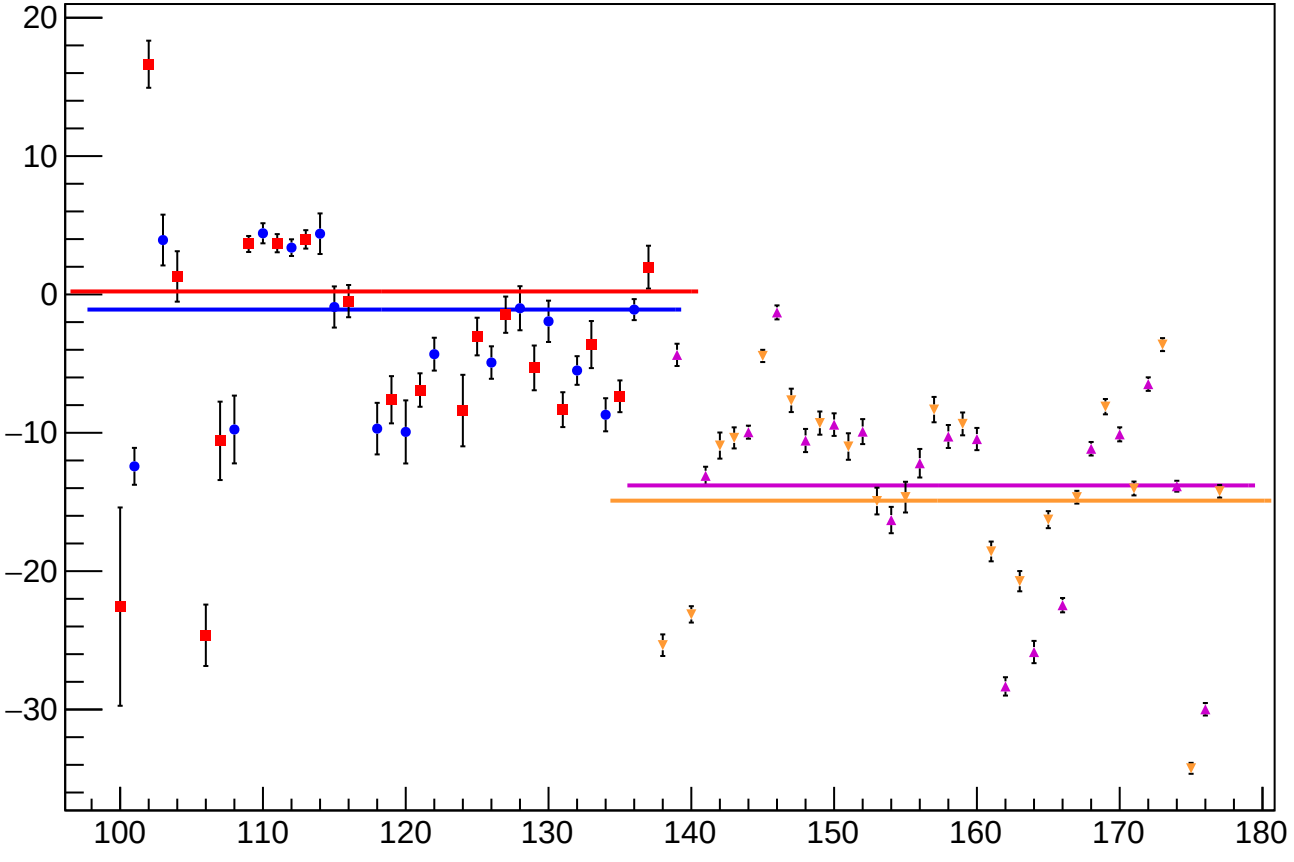
Left In: 0.397+/-0.006 χ^2/NDF:1373.6/18

+ sign 0.375+/-0.005 χ^2/NDF: 1369.6/36

All: 0.359+/-0.004 χ^2/NDF: 3395.9/74

- sign 0.342+/-0.005 χ^2/NDF: 2007.1/37

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -14.905+/-0.135 χ^2/NDF:4431.7/20

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

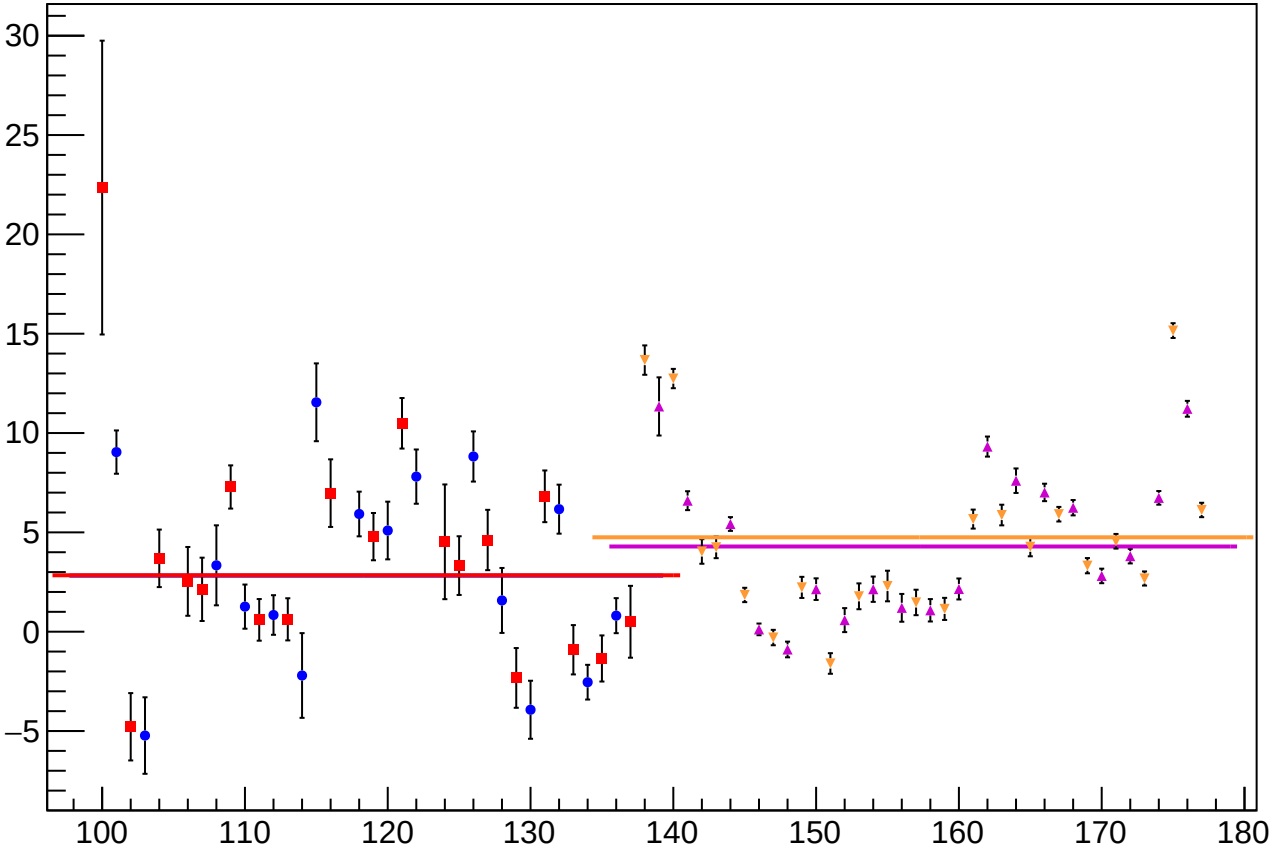
Left In: -13.804+/-0.138 χ^2/NDF:3491.8/18

+ sign -12.311+/-0.122 χ^2/NDF: 6732.2/36

All: -11.580+/-0.086 χ^2/NDF: 13005.1/74

- sign -10.837+/-0.122 χ^2/NDF: 6199.9/37

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 4.751+/-0.100 χ^2/NDF:1784.9/20

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

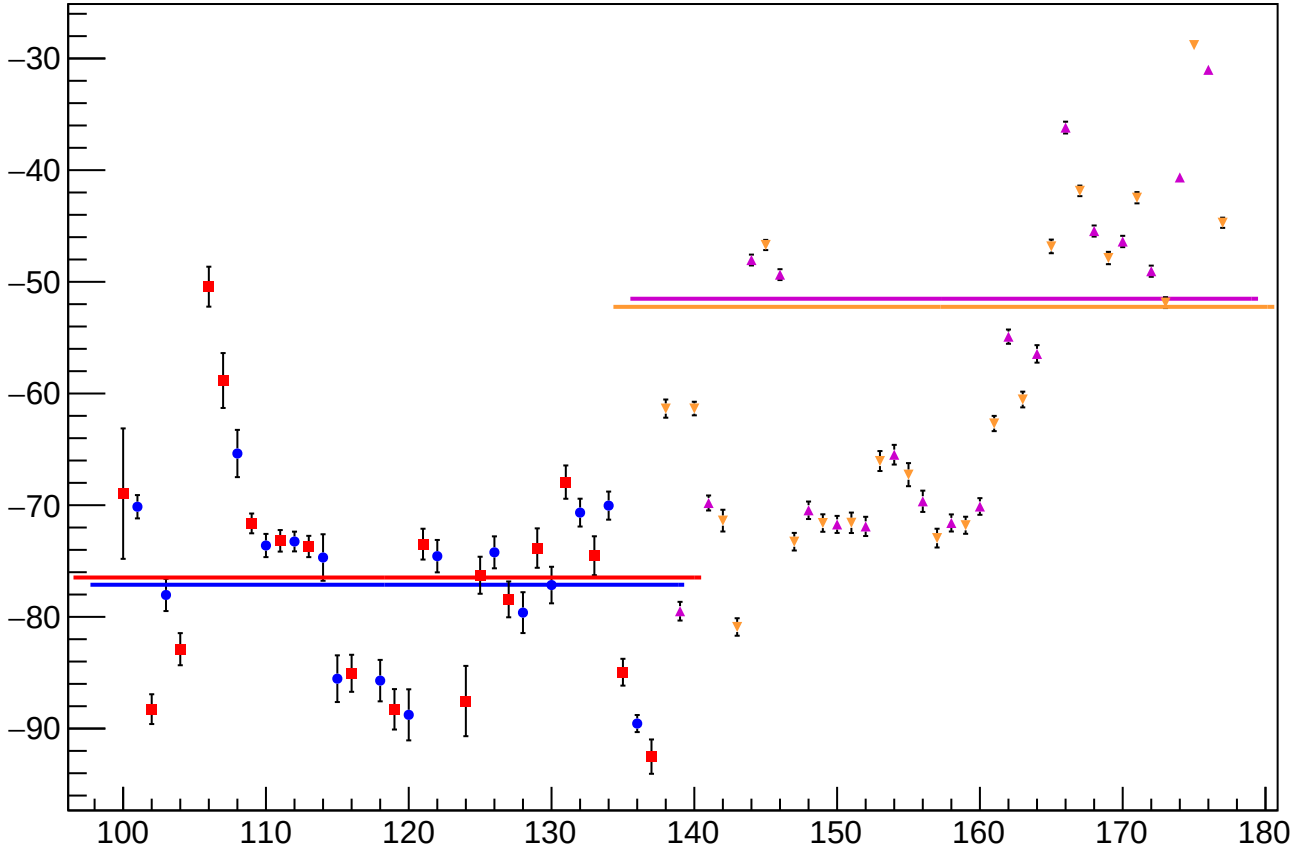
Left In: 4.289+/-0.102 χ^2/NDF:1126.1/18

+ sign 4.573+/-0.095 χ^2/NDF: 2018.8/36

All: 4.369+/-0.068 χ^2/NDF: 3317.6/74

- sign 4.157+/-0.097 χ^2/NDF: 1289.4/37

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -52.240+/-0.134 χ^2/NDF:10832.0/20

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

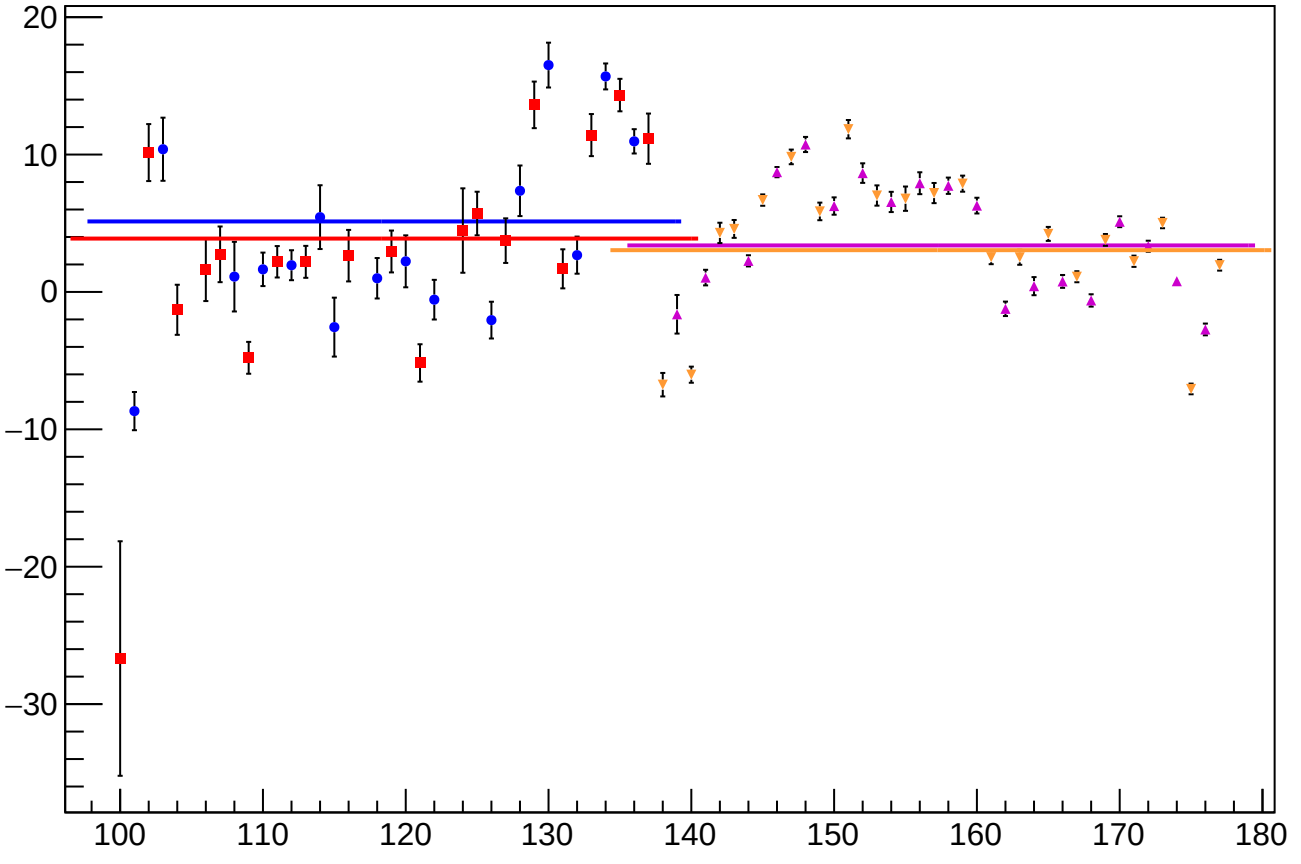
Left In: -51.514+/-0.138 χ^2/NDF:9638.1/18

\+ sign -55.852+/-0.124 χ^2/NDF: 16306.7/36

All: -55.553+/-0.089 χ^2/NDF: 31564.8/74

\- sign -55.240+/-0.127 χ^2/NDF: 15246.2/37

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 3.040+/-0.113 χ^2/NDF:1703.0/20

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

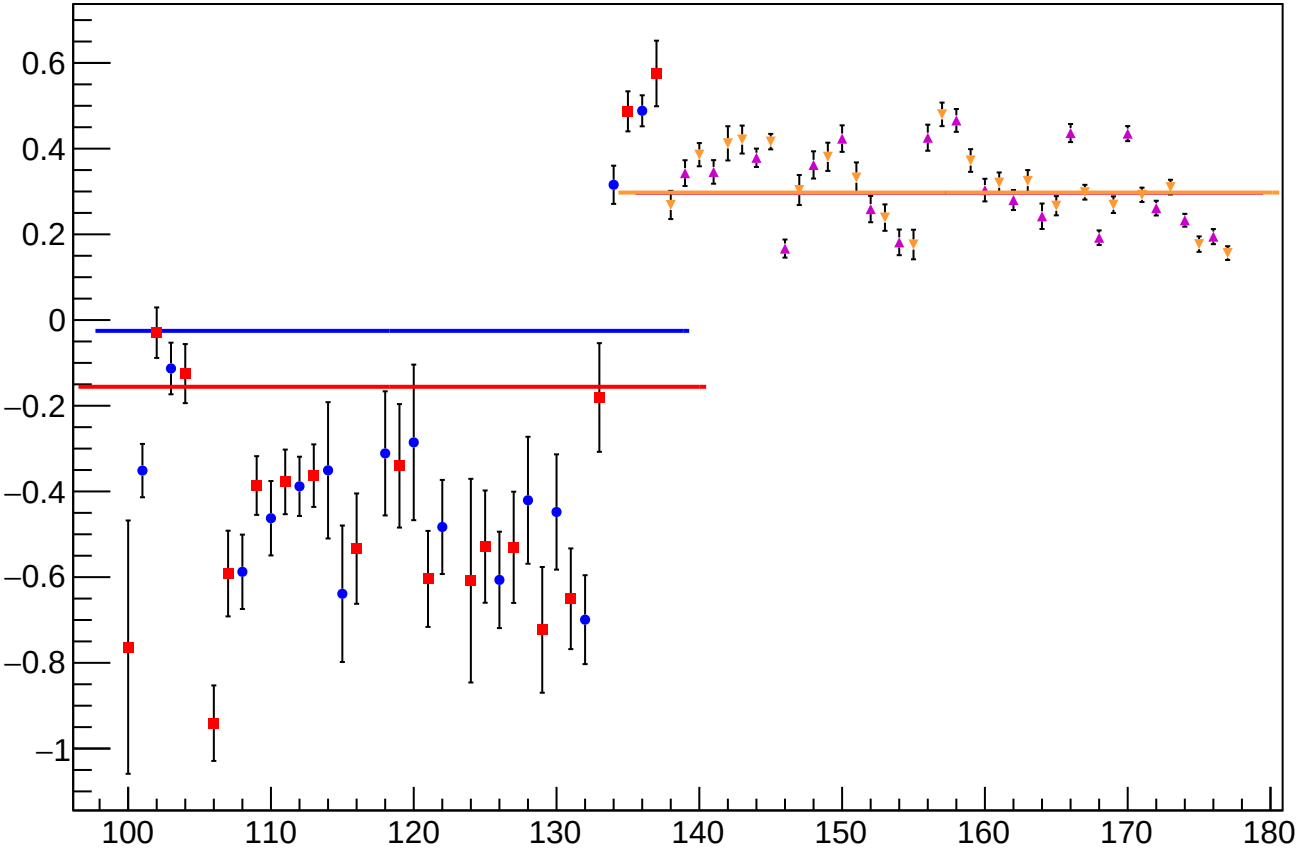
Left In: 3.386+/-0.115 χ^2/NDF:1108.7/18

+ sign 3.237+/-0.107 χ^2/NDF: 2147.7/36

All: 3.332+/-0.077 χ^2/NDF: 3551.2/74

- sign 3.432+/-0.110 χ^2/NDF: 1401.9/37

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.297+/-0.005 χ^2/NDF:280.6/20

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

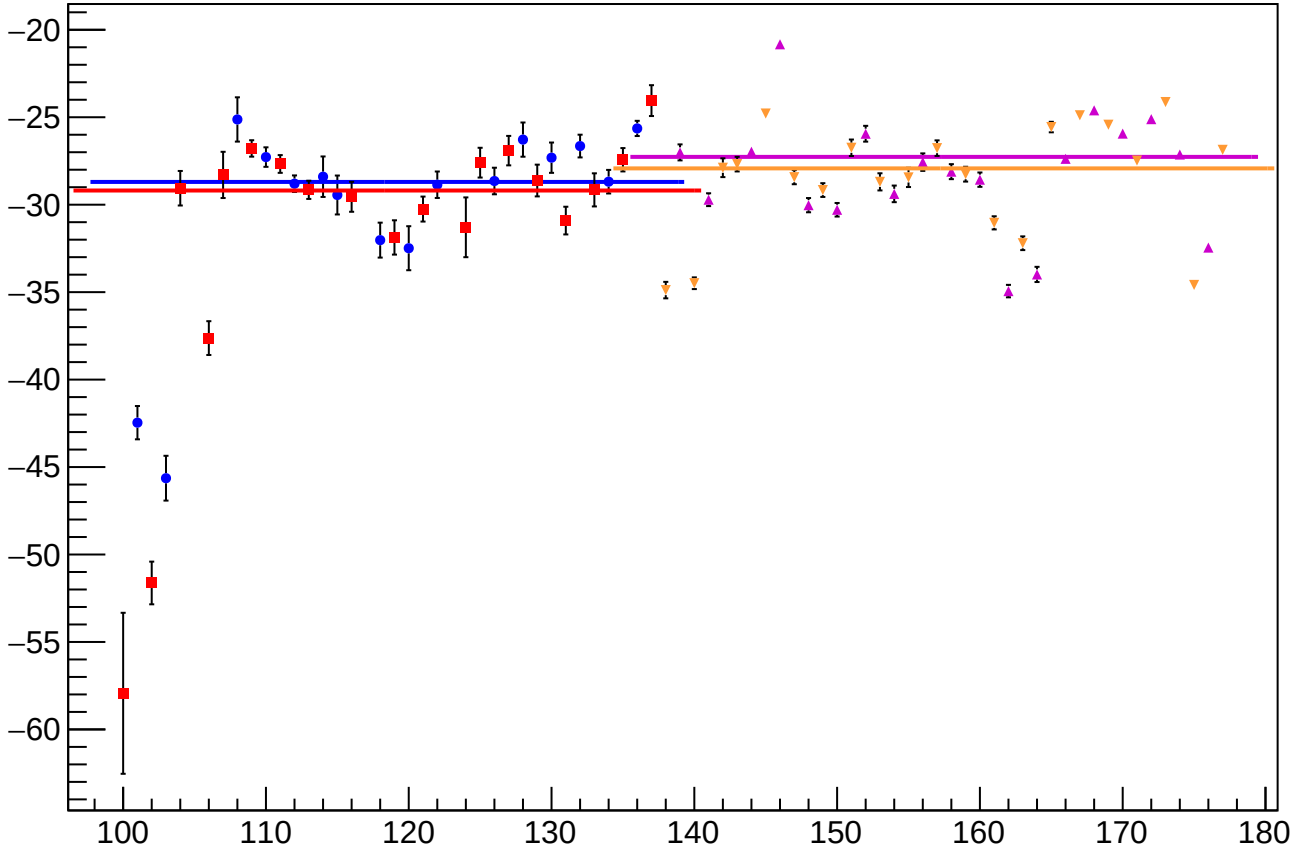
Left In: 0.297+/-0.005 χ^2/NDF:356.9/18

+ sign 0.276+/-0.005 χ^2/NDF: 1064.1/36

All: 0.273+/-0.003 χ^2/NDF: 2387.3/74

- sign 0.269+/-0.005 χ^2/NDF: 1322.2/37

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.924+/-0.066 χ^2/NDF:2953.7/20

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

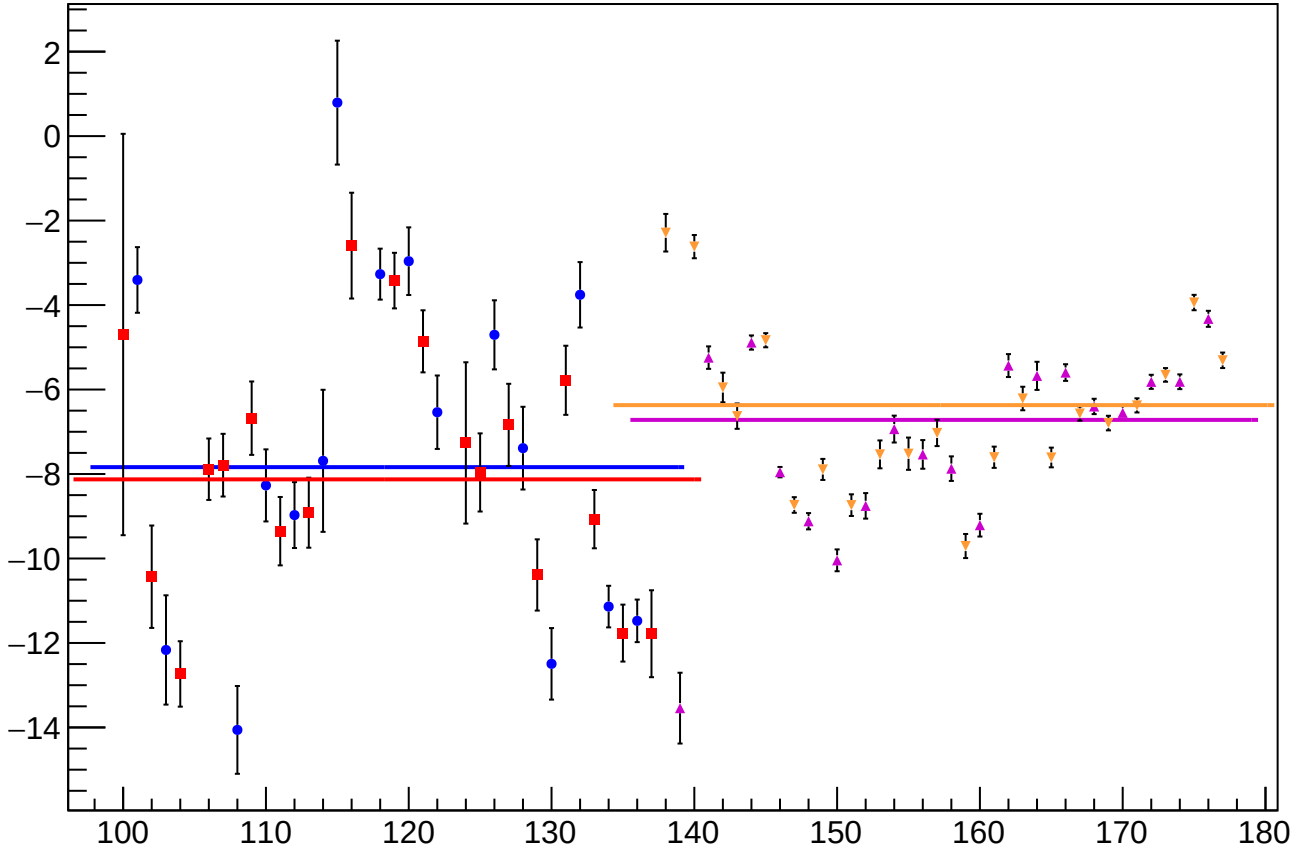
Left In: -27.266+/-0.066 χ^2/NDF:2721.2/18

+ sign -28.010+/-0.062 χ^2/NDF: 3456.4/36

All: -27.751+/-0.044 χ^2/NDF: 6869.4/74

- sign -27.491+/-0.062 χ^2/NDF: 3377.9/37

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.369+/-0.049 χ^2/NDF:1095.8/20

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

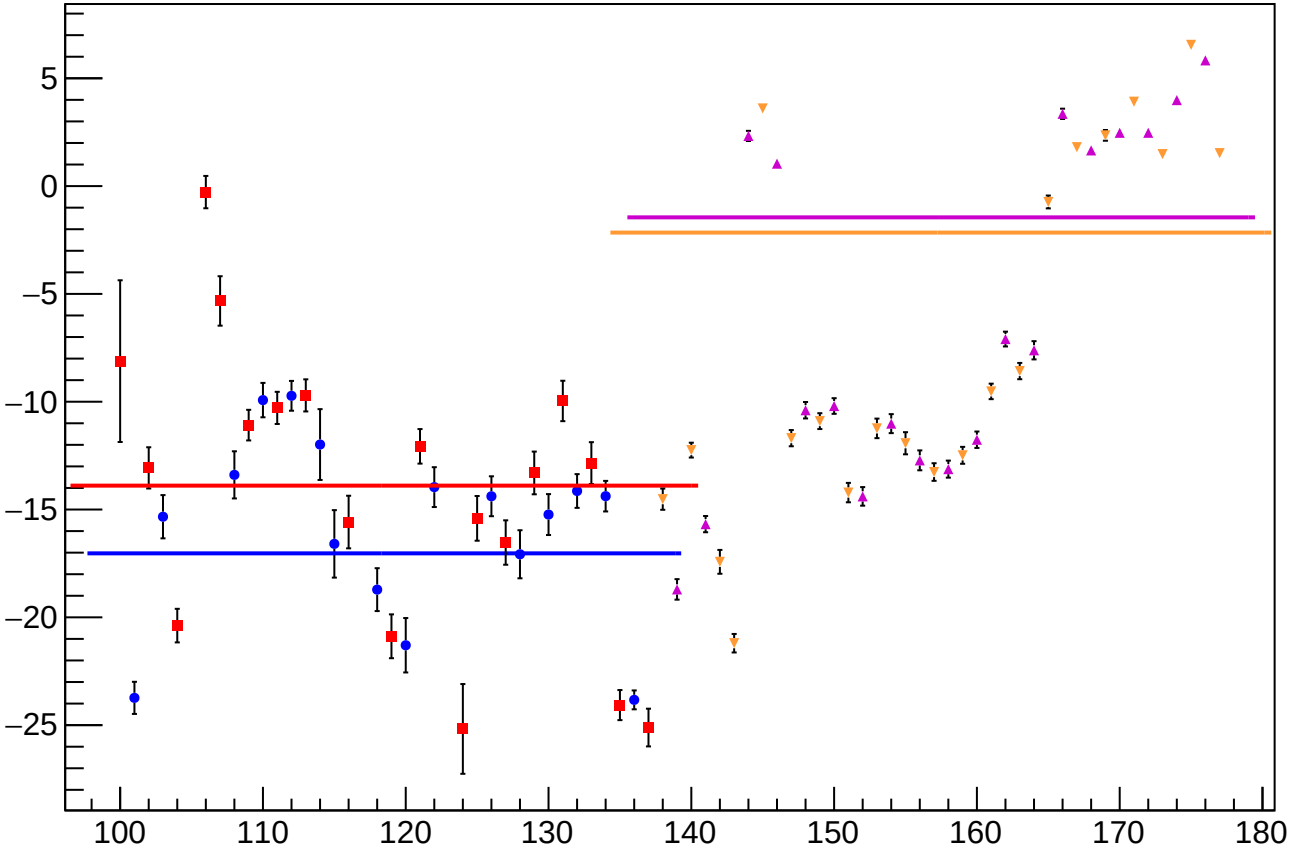
Left In: -6.719+/-0.048 χ^2/NDF:1073.4/18

+ sign -6.455+/-0.047 χ^2/NDF: 1532.4/36

All: -6.628+/-0.033 χ^2/NDF: 2878.0/74

- sign -6.799+/-0.047 χ^2/NDF: 1319.0/37

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -2.156+/-0.065 χ^2/NDF:13760.4/20

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

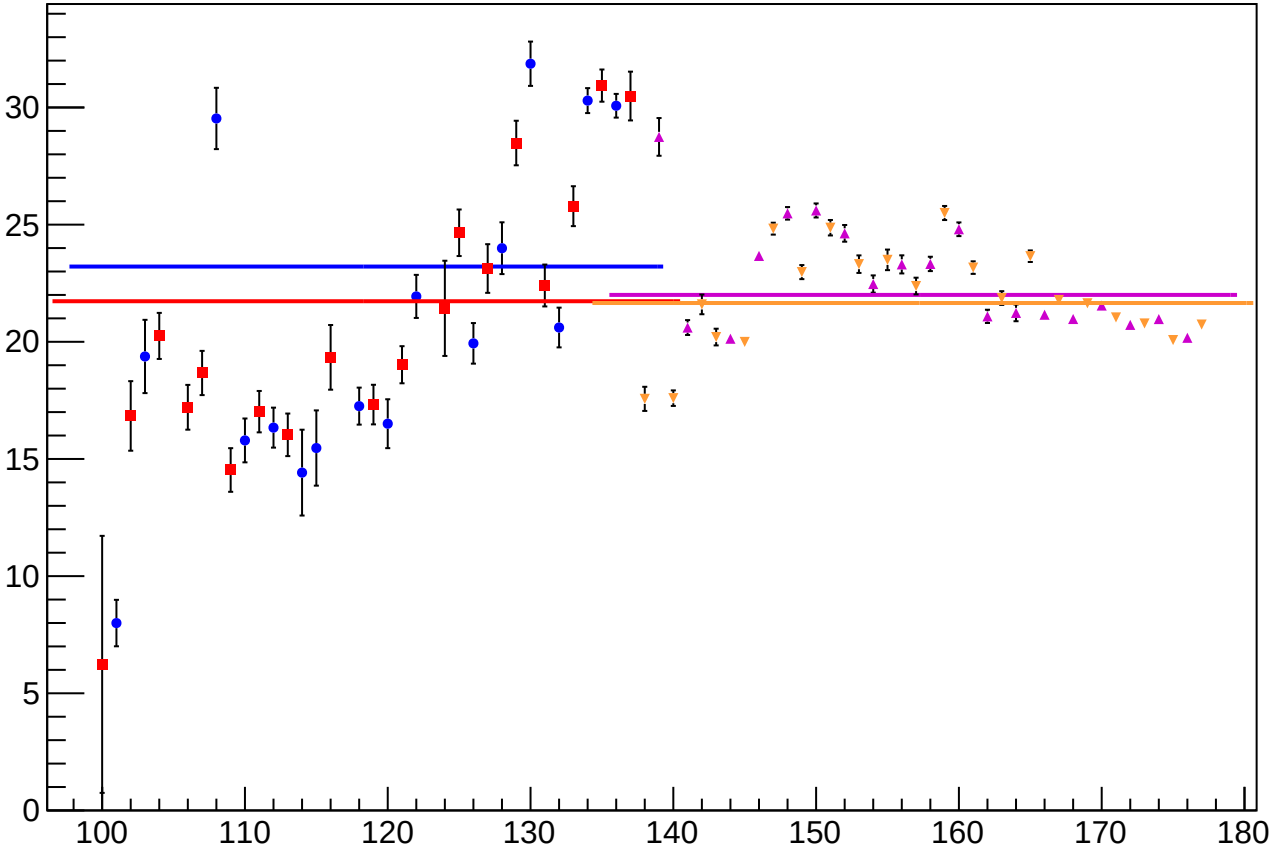
Left In: -1.450+/-0.066 χ^2/NDF:11352.5/18

+ sign -3.480+/-0.062 χ^2/NDF: 18961.0/36

All: -3.027+/-0.044 χ^2/NDF: 34652.1/74

- sign -2.569+/-0.063 χ^2/NDF: 15585.2/37

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.656+/-0.055 χ^2/NDF:1004.1/20

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

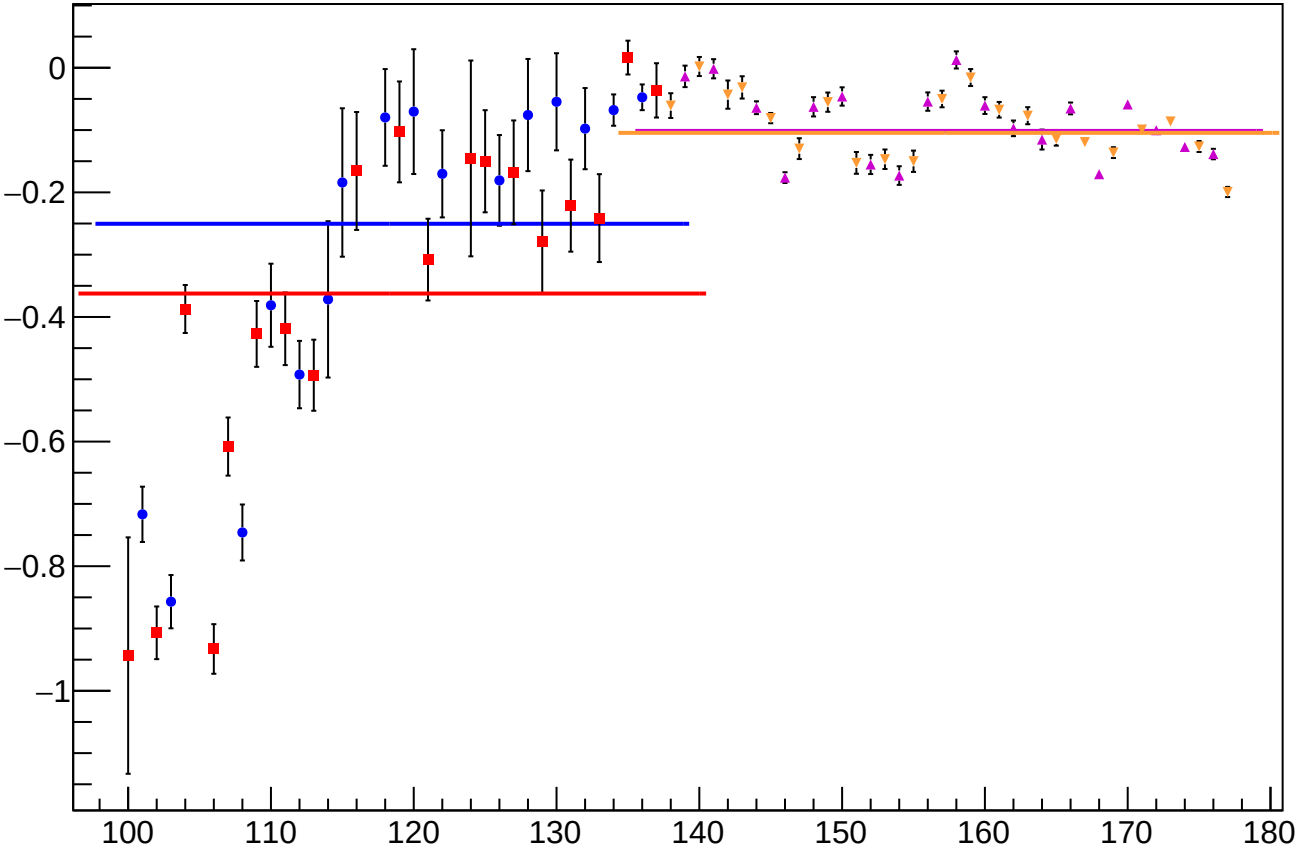
Left In: 22.001+/-0.055 χ^2/NDF:1009.3/18

+ sign 21.748+/-0.053 χ^2/NDF: 2060.1/36

All: 21.866+/-0.038 χ^2/NDF: 3639.0/74

- sign 21.986+/-0.053 χ^2/NDF: 1568.9/37

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.104+/-0.002 χ^2/NDF:356.8/20

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

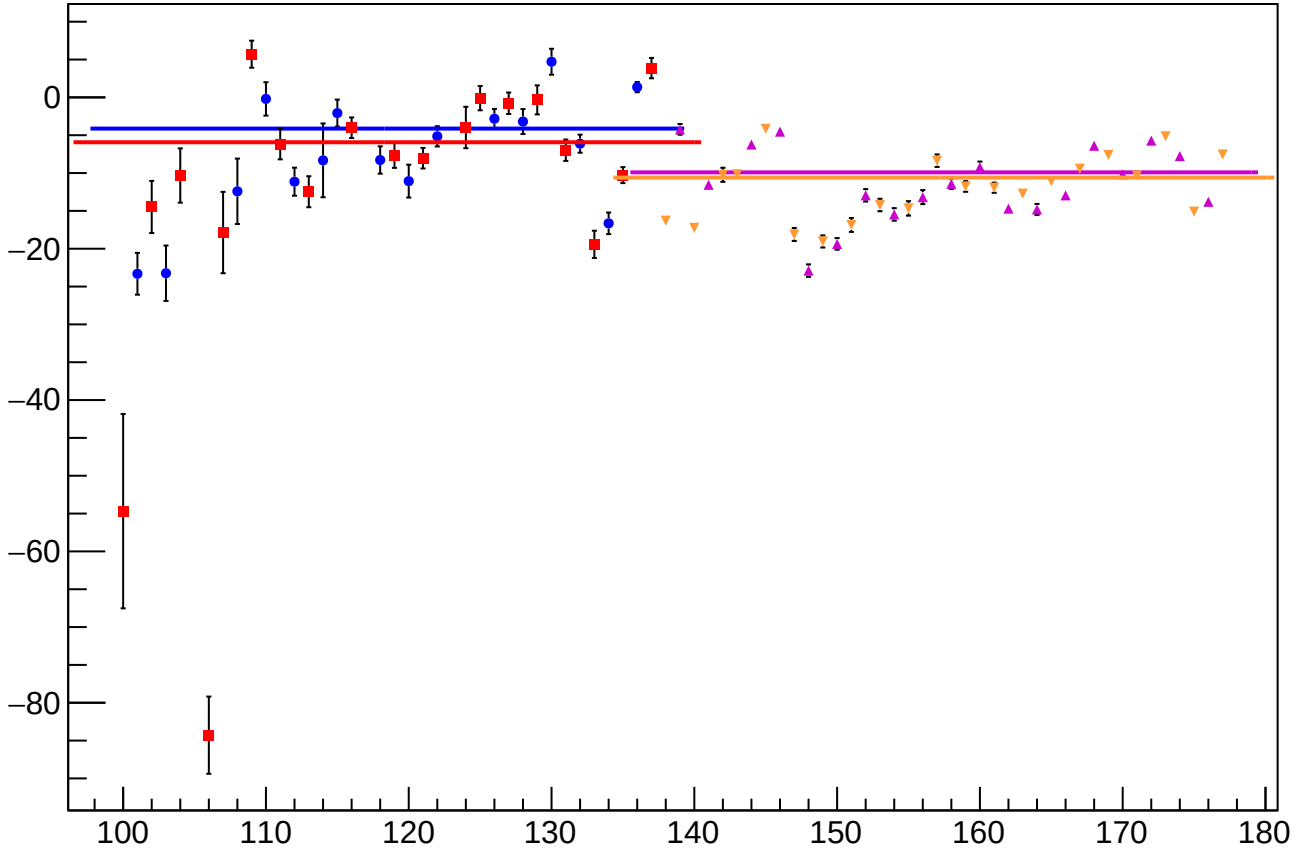
Left In: -0.101+/-0.002 χ^2/NDF:451.7/18

+ sign -0.111+/-0.002 χ^2/NDF: 1140.4/36

All: -0.111+/-0.002 χ^2/NDF: 2726.1/74

- sign -0.111+/-0.002 χ^2/NDF: 1585.7/37

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.598+/-0.115 χ^2/NDF:1330.5/20

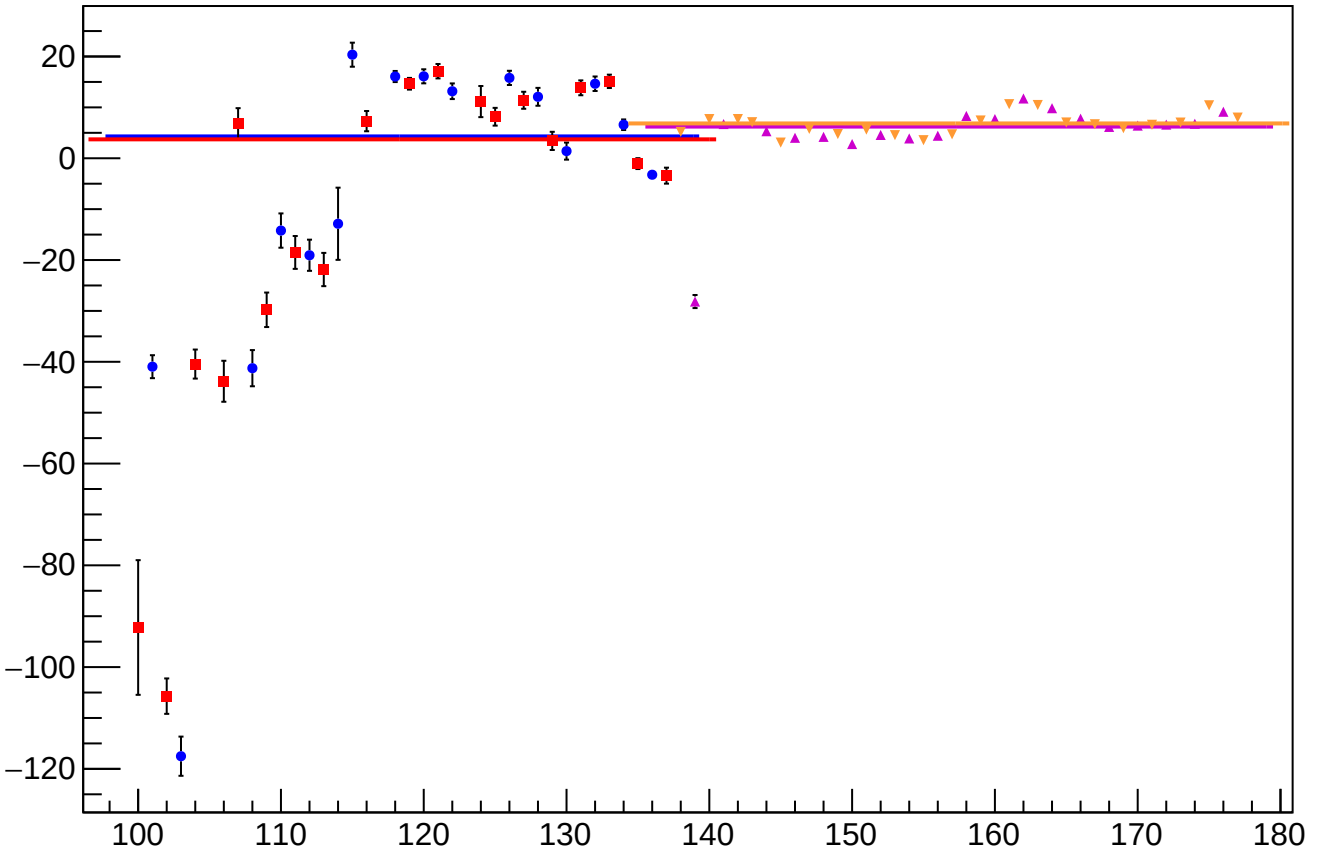
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.907+/-0.118 χ^2/NDF:1292.9/18

+ sign -10.060+/-0.110 χ^2/NDF: 1882.2/36

All: -9.837+/-0.079 χ^2/NDF: 3753.9/74

- sign -9.601+/-0.113 χ^2/NDF: 1863.3/37



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.844+/-0.086 χ^2/NDF:559.7/20

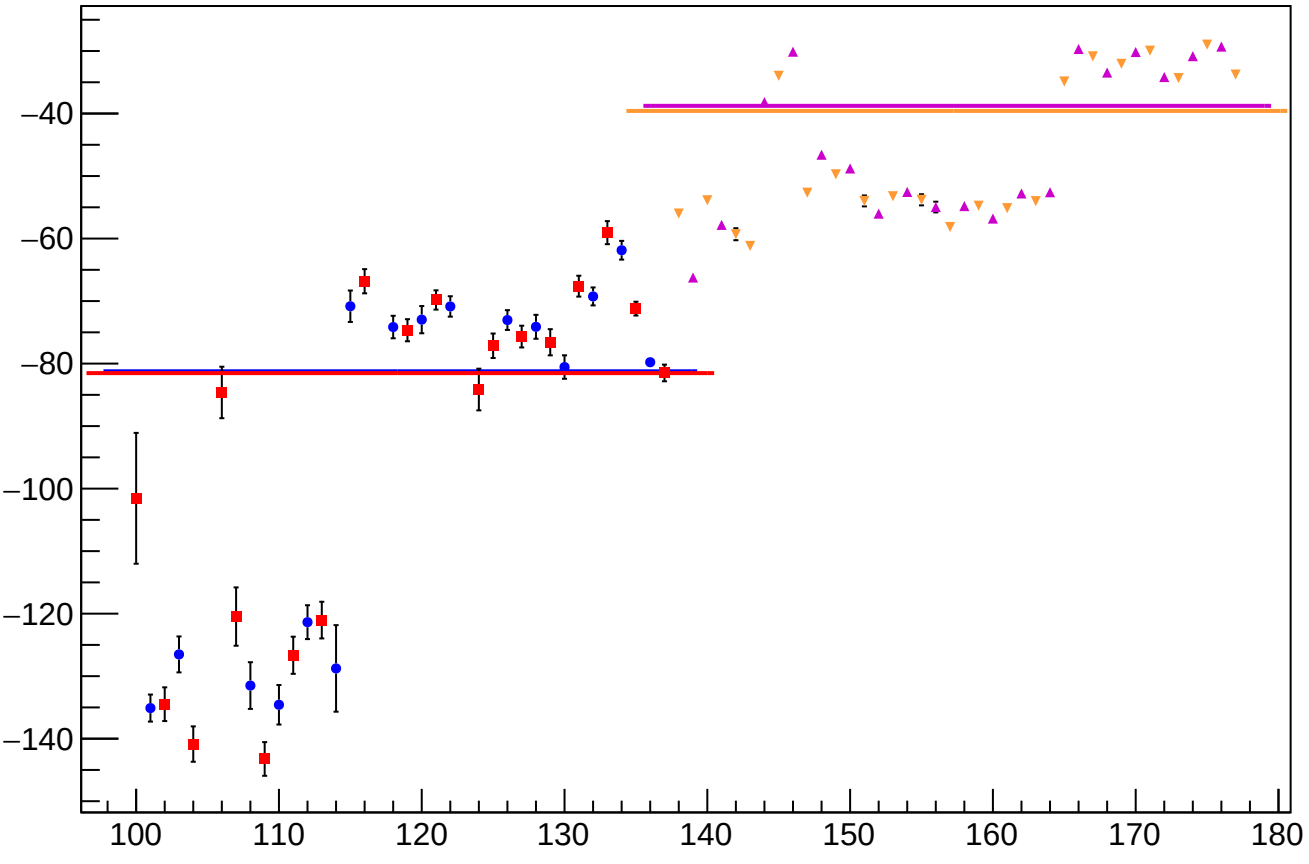
Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 6.227+/-0.088 χ^2/NDF:1236.1/18

+ sign 6.721+/-0.084 χ^2/NDF: 2770.6/36

All: 6.428+/-0.060 χ^2/NDF: 6072.4/74

- sign 6.123+/-0.086 χ^2/NDF: 3277.2/37



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -39.582+/-0.115 χ^2/NDF:9228.2/20

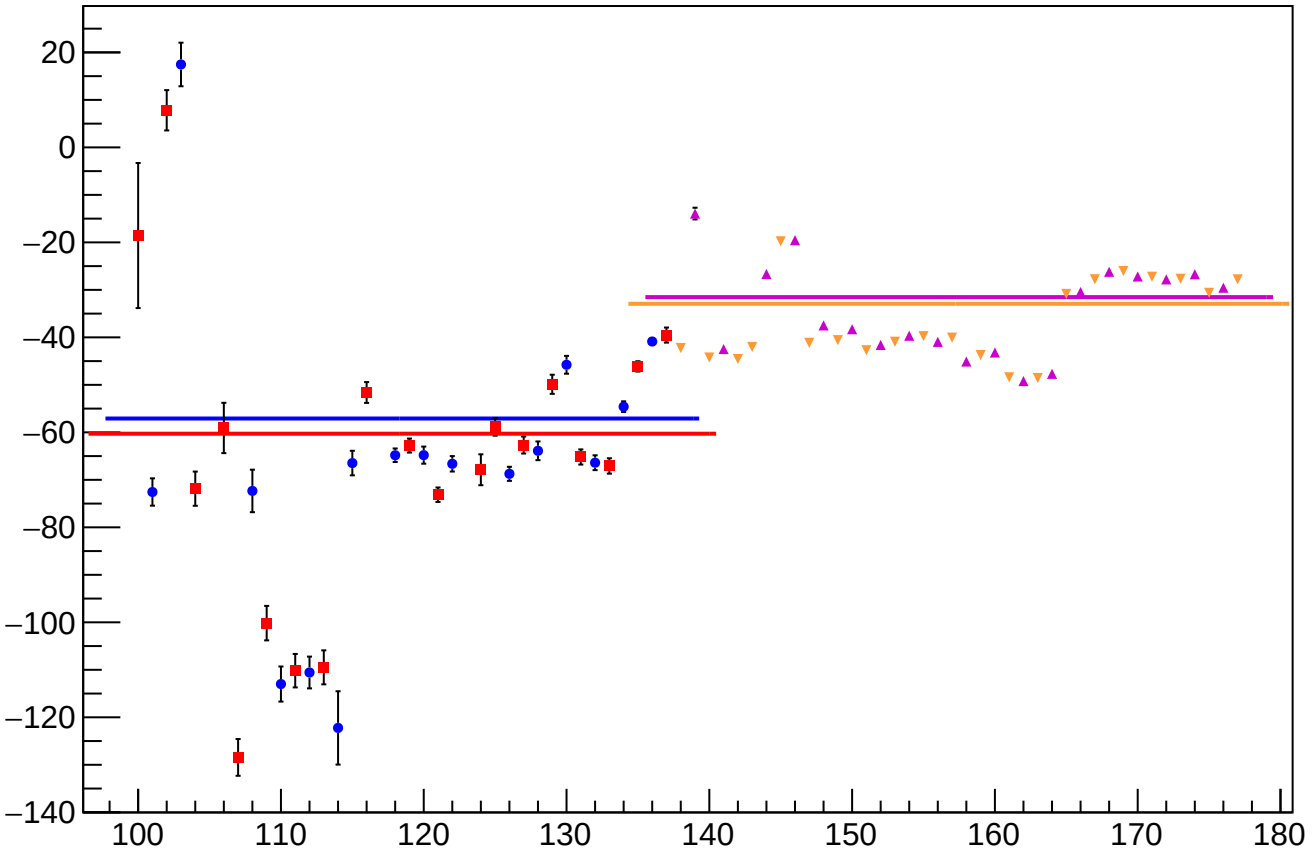
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -38.769+/-0.118 χ^2/NDF:8886.6/18

+ sign -42.517+/-0.111 χ^2/NDF: 20479.3/36

All: -41.964+/-0.079 χ^2/NDF: 39766.1/74

- sign -41.377+/-0.114 χ^2/NDF: 19235.2/37



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.932+/-0.097 χ^2/NDF:7539.0/20

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

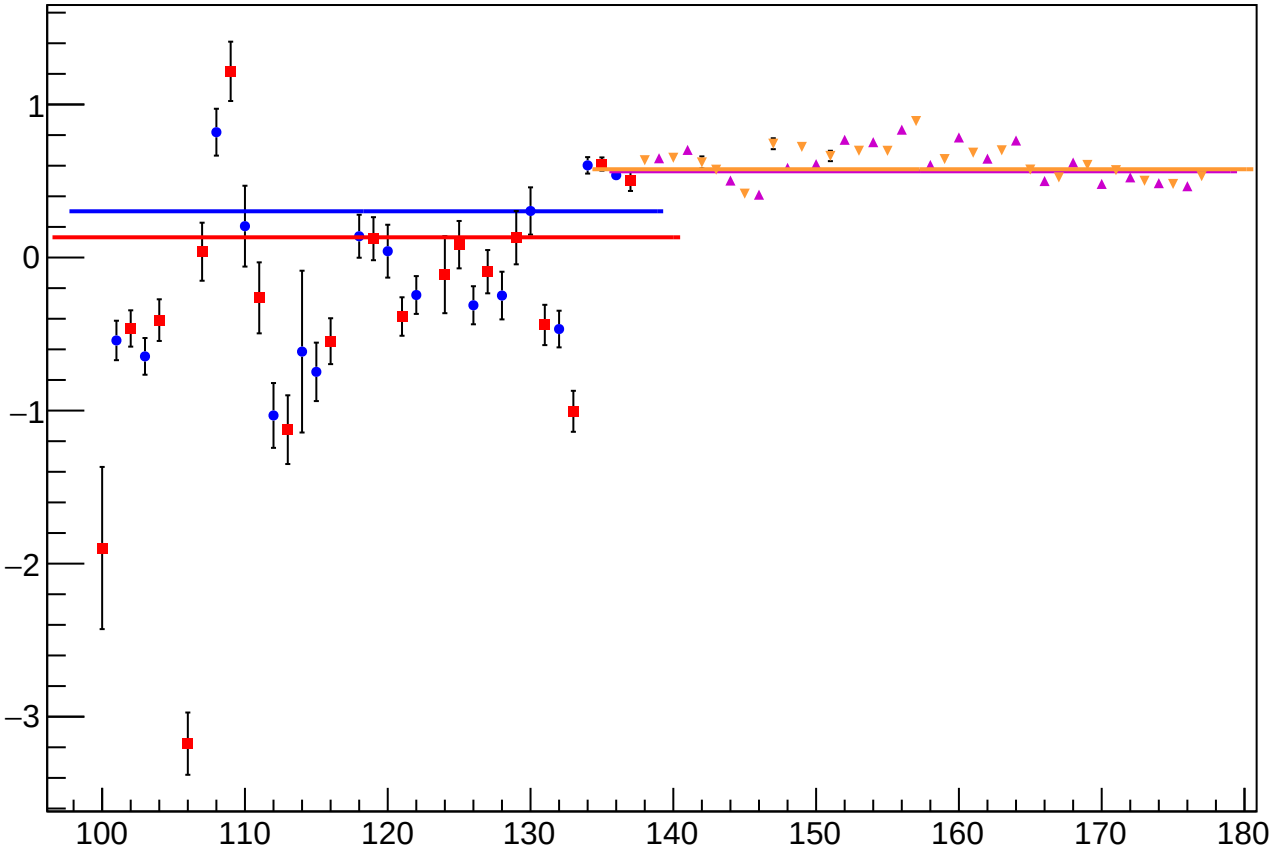
Left In: -31.527+/-0.099 χ^2/NDF:7284.2/18

+ sign -34.116+/-0.094 χ^2/NDF: 12127.7/36

All: -33.455+/-0.068 χ^2/NDF: 24685.3/74

- sign -32.754+/-0.097 χ^2/NDF: 12456.3/37

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.577+/-0.004 χ^2/NDF:534.4/20

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

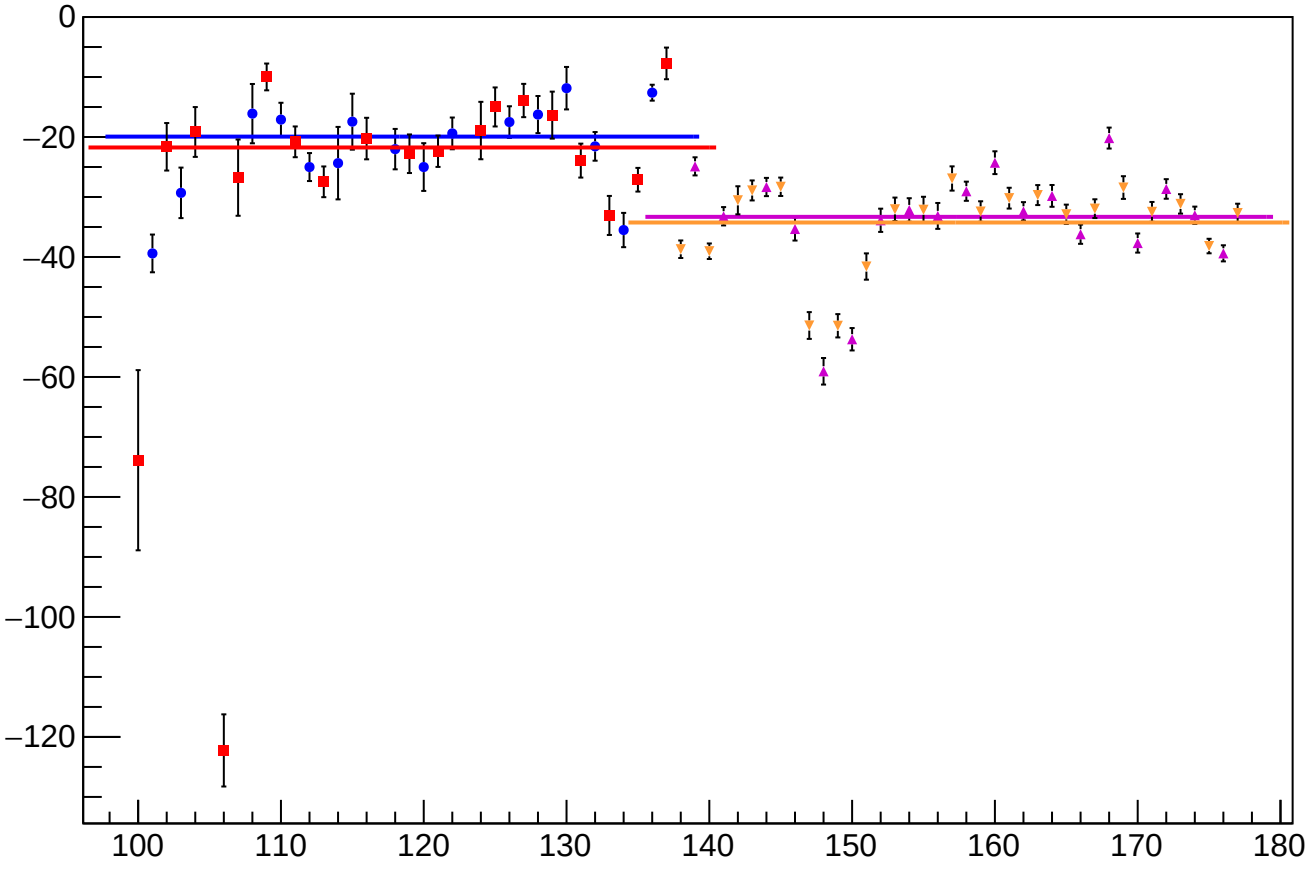
Left In: 0.563+/-0.004 χ^2/NDF:649.5/18

+ sign 0.567+/-0.004 χ^2/NDF: 1047.5/36

All: 0.560+/-0.003 χ^2/NDF: 2633.8/74

- sign 0.552+/-0.004 χ^2/NDF: 1579.7/37

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.251+/-0.368 χ^2/NDF:258.0/20

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

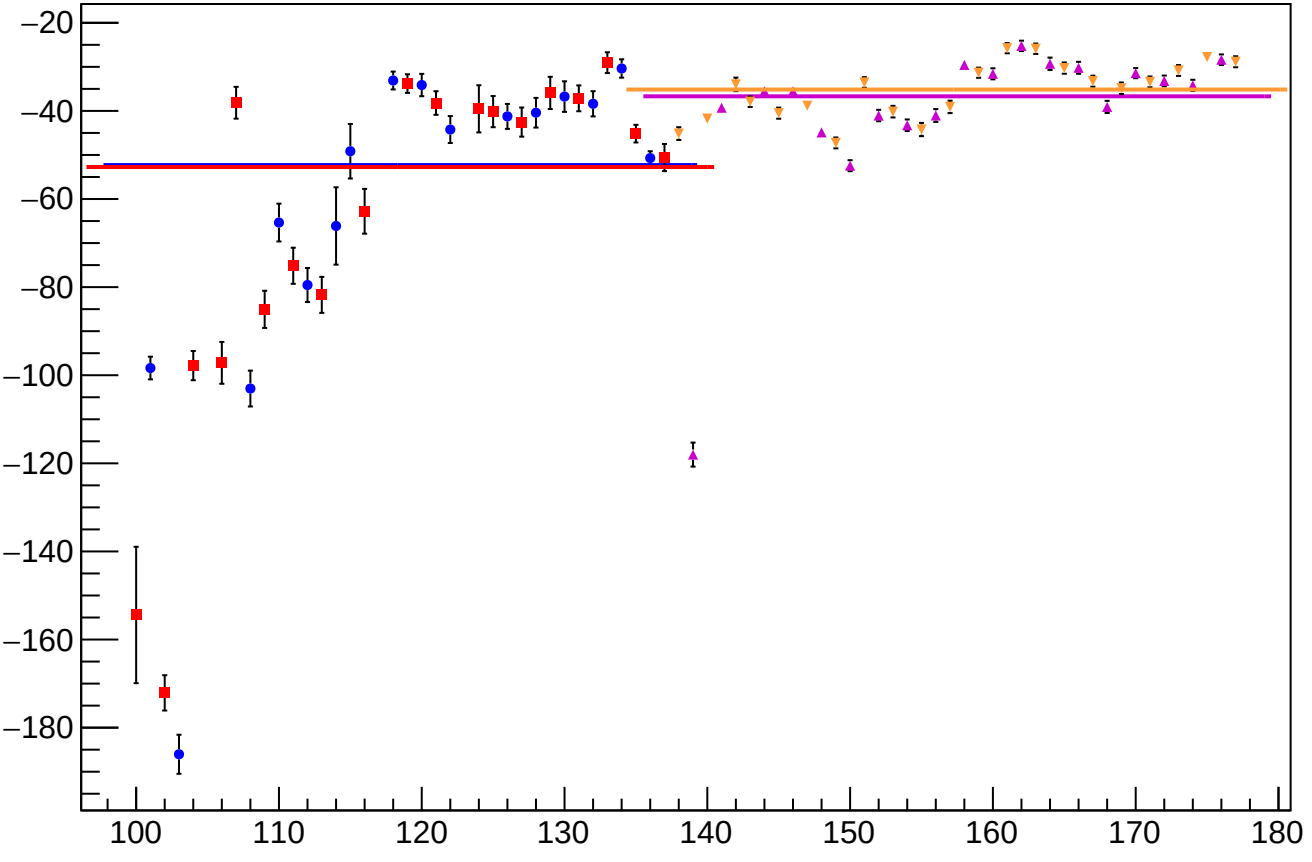
Left In: -33.309+/-0.386 χ^2/NDF:427.7/18

\+ sign -31.113+/-0.325 χ^2/NDF: 710.1/36

All: -30.912+/-0.235 χ^2/NDF: 1730.1/74

\- sign -30.694+/-0.339 χ^2/NDF: 1019.2/37

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.145+/-0.271 χ^2/NDF:513.6/20

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

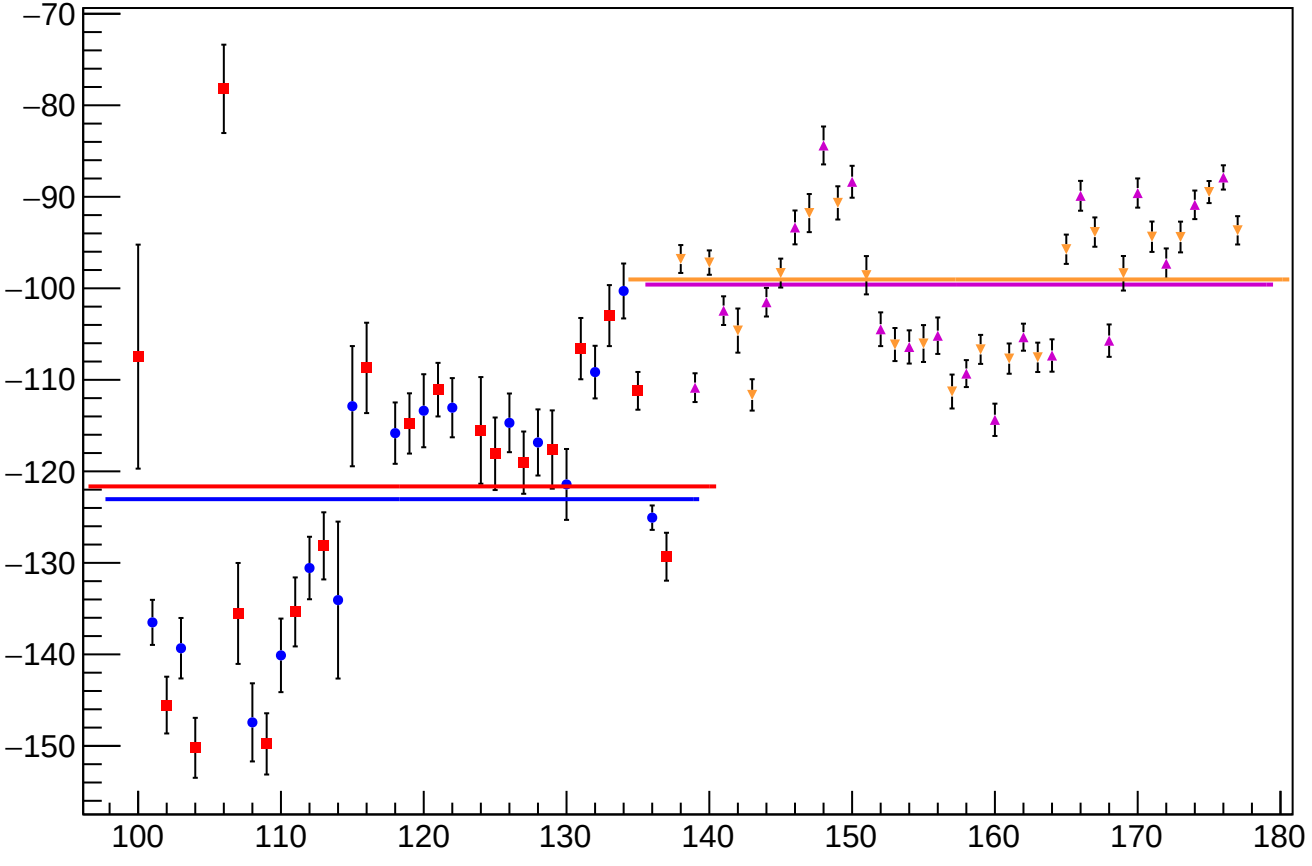
Left In: -36.687+/-0.286 χ^2/NDF:1448.7/18

+ sign -37.332+/-0.253 χ^2/NDF: 2803.6/36

All: -37.996+/-0.184 χ^2/NDF: 6330.8/74

- sign -38.738+/-0.267 χ^2/NDF: 3512.6/37

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.031+/-0.364 χ^2/NDF:352.3/20

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

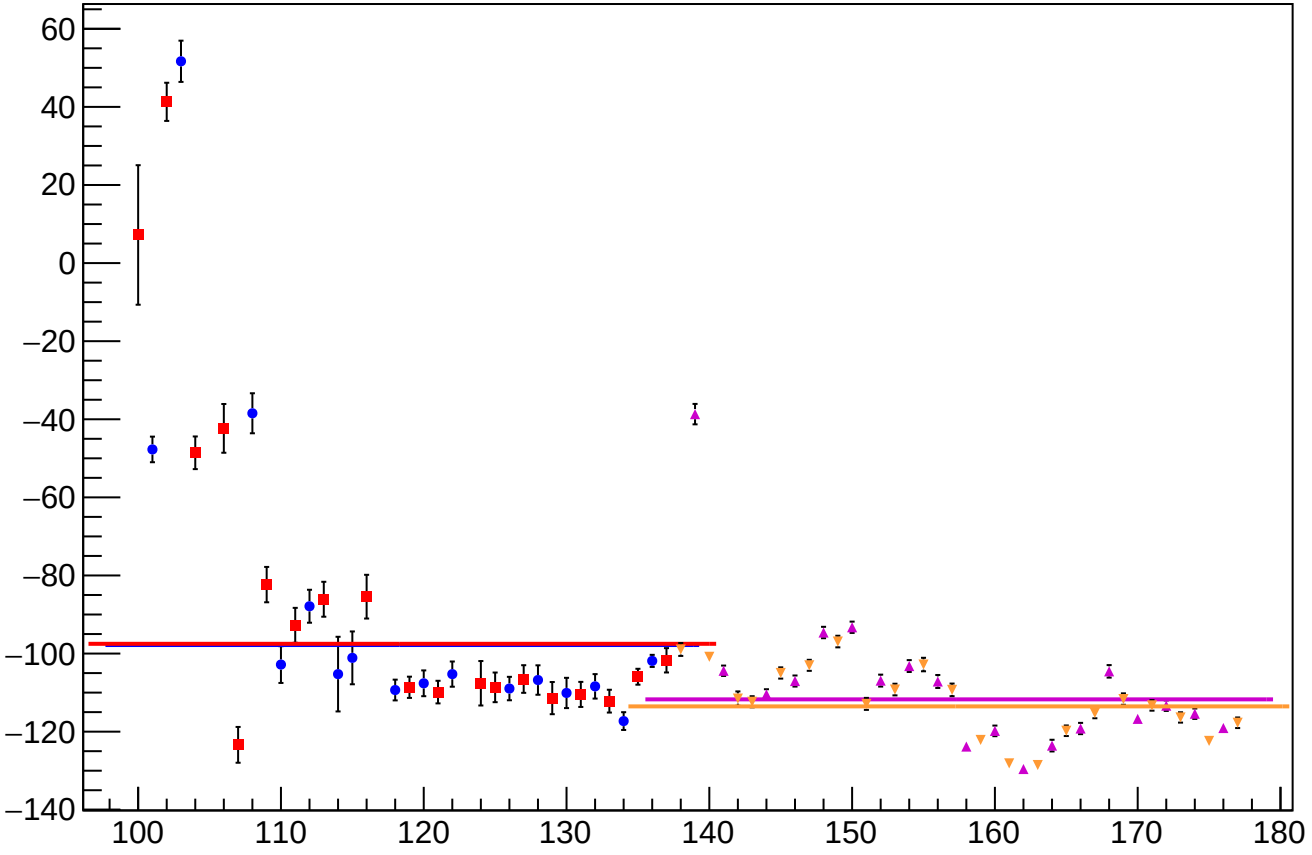
Left In: -99.591+/-0.380 χ^2/NDF:537.5/18

+ sign -103.607+/-0.327 χ^2/NDF: 1408.5/36

All: -103.627+/-0.237 χ^2/NDF: 2988.9/74

- sign -103.648+/-0.344 χ^2/NDF: 1580.3/37

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.529+/-0.306 χ^2/NDF:872.5/20

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

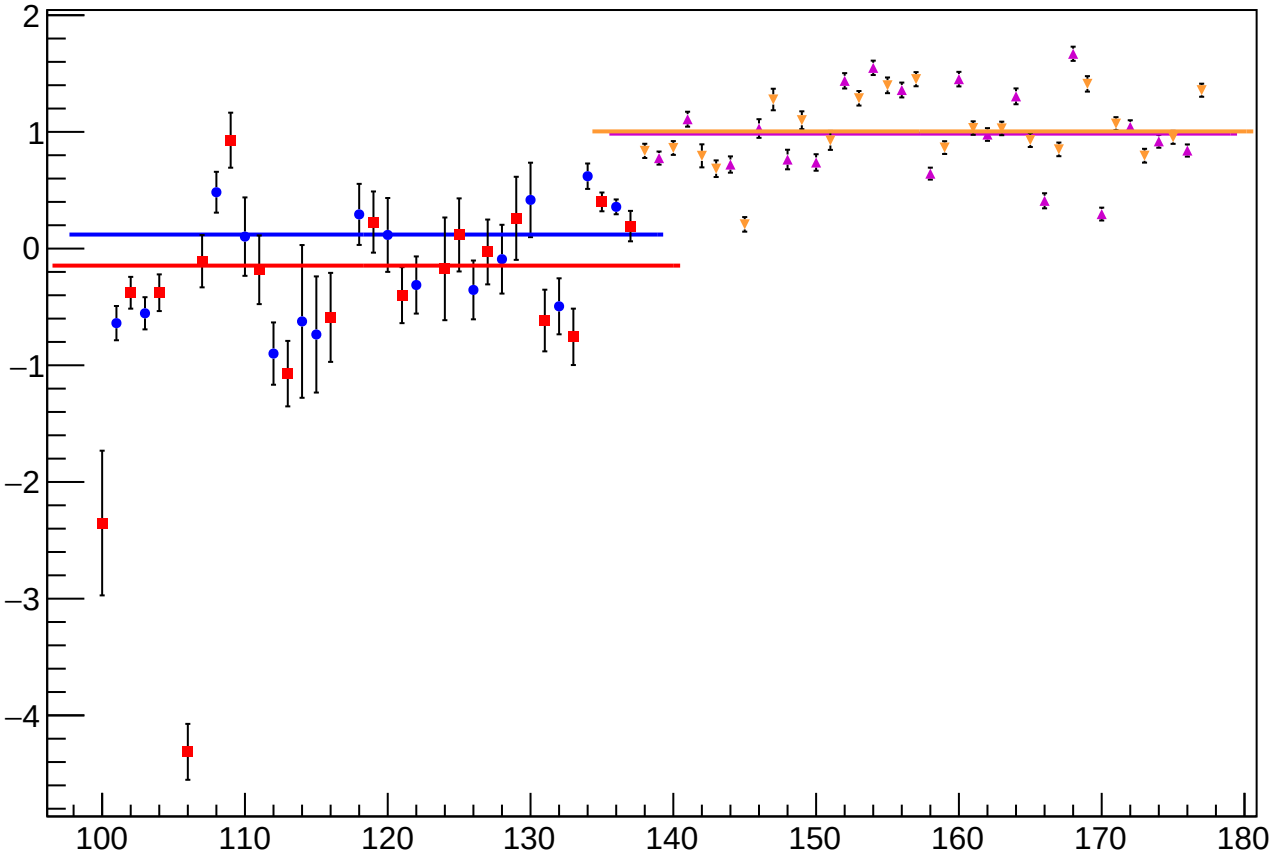
Left In: -111.730+/-0.323 χ^2/NDF:1696.6/18

+ sign -111.488+/-0.286 χ^2/NDF: 2545.0/36

All: -110.741+/-0.207 χ^2/NDF: 5741.0/74

- sign -109.910+/-0.301 χ^2/NDF: 3181.5/37

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 1.004+/-0.014 χ^2/NDF:428.0/20

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

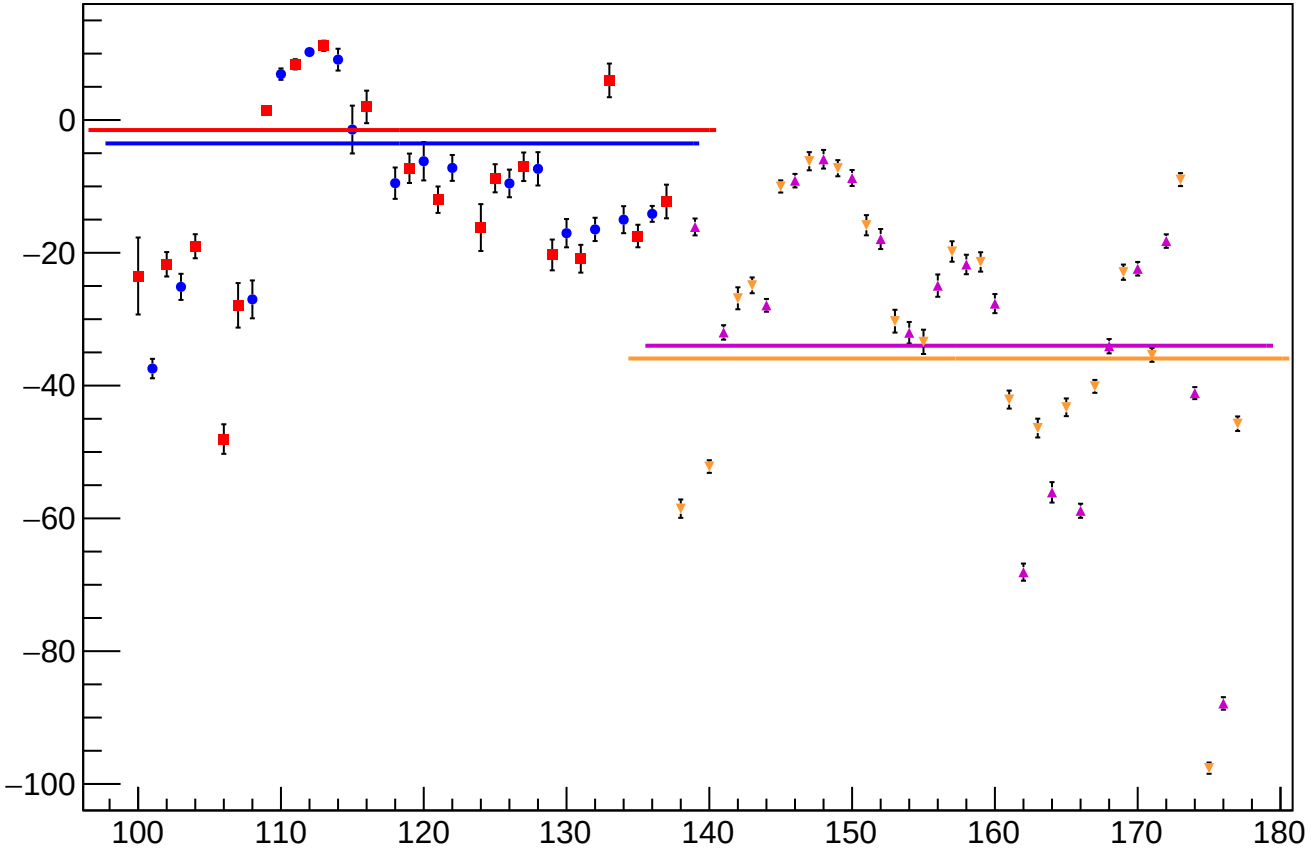
Left In: 0.985+/-0.014 χ^2/NDF:711.7/18

+ sign 0.915+/-0.013 χ^2/NDF: 965.6/36

All: 0.900+/-0.009 χ^2/NDF: 2679.2/74

- sign 0.884+/-0.013 χ^2/NDF: 1710.7/37

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -35.923+/-0.261 χ^2/NDF:9253.8/20

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

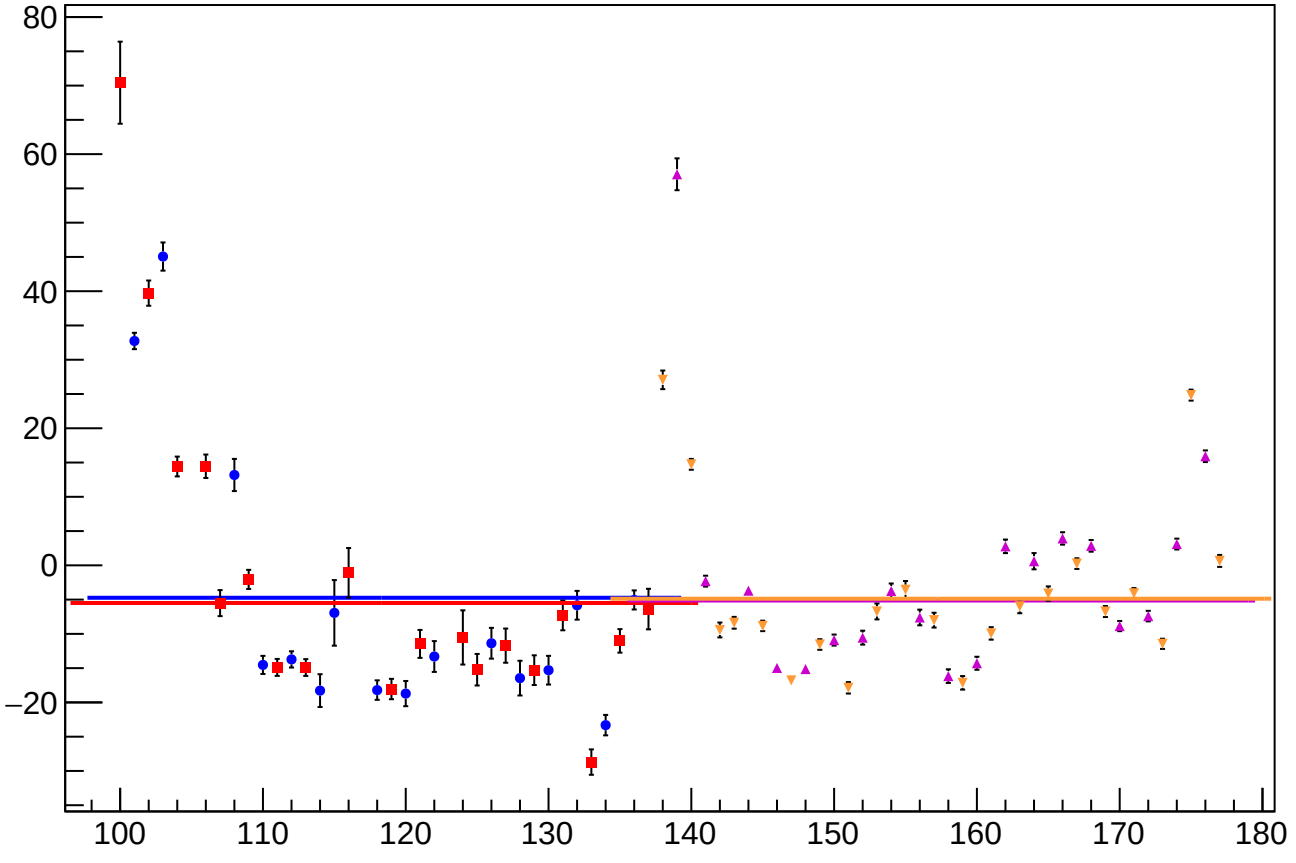
Left In: -33.994+/-0.269 χ^2/NDF:7028.9/18

+ sign -25.408+/-0.215 χ^2/NDF: 15776.5/36

All: -23.377+/-0.150 χ^2/NDF: 30151.1/74

- sign -21.422+/-0.211 χ^2/NDF: 14198.9/37

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -4.867+/-0.190 χ^2/NDF:3638.4/20

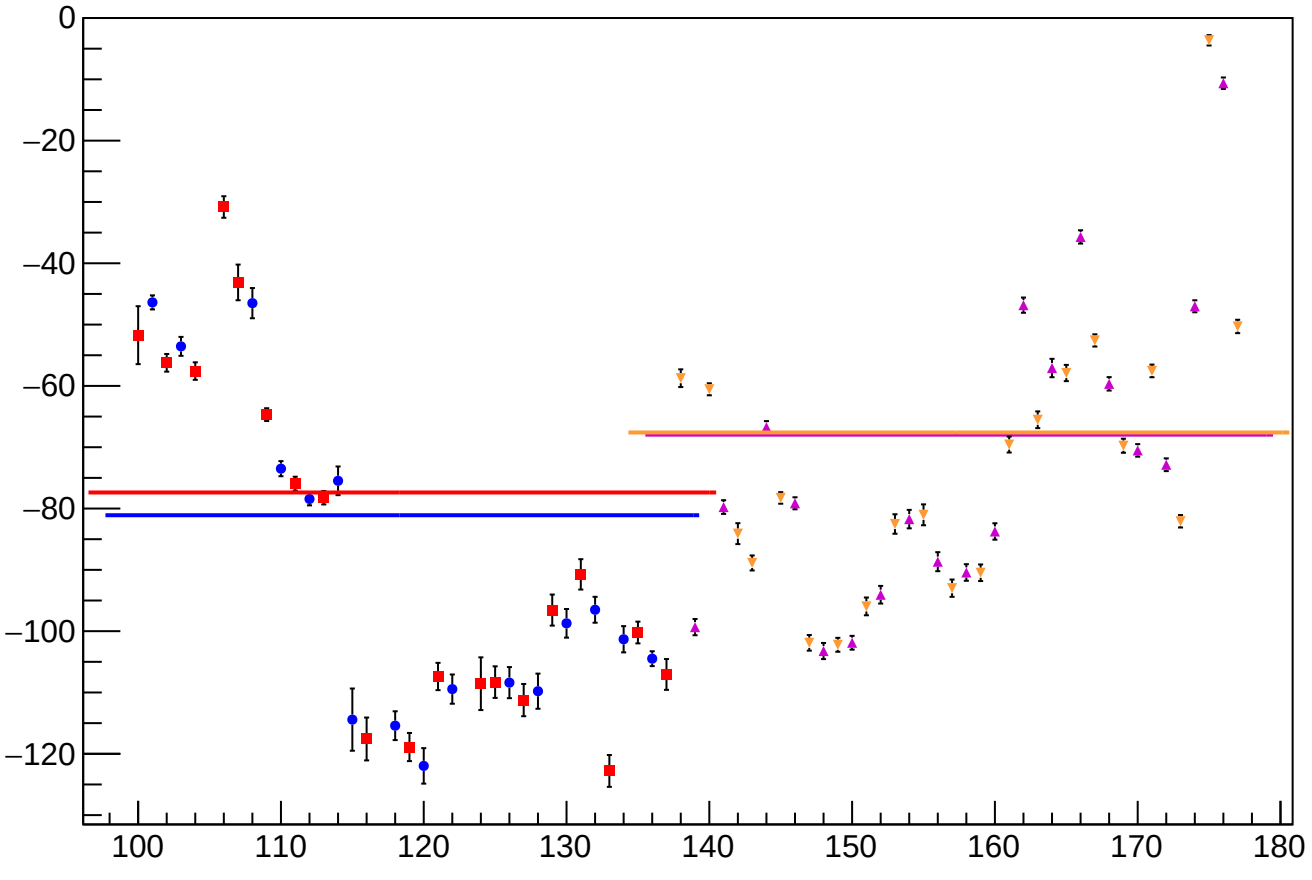
Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -5.133+/-0.197 χ^2/NDF:2546.0/18

+ sign -4.845+/-0.174 χ^2/NDF: 5786.5/36

All: -5.016+/-0.125 χ^2/NDF: 9843.7/74

- sign -5.197+/-0.179 χ^2/NDF: 4055.2/37



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -67.594+/-0.259 χ^2/NDF:9915.1/20

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

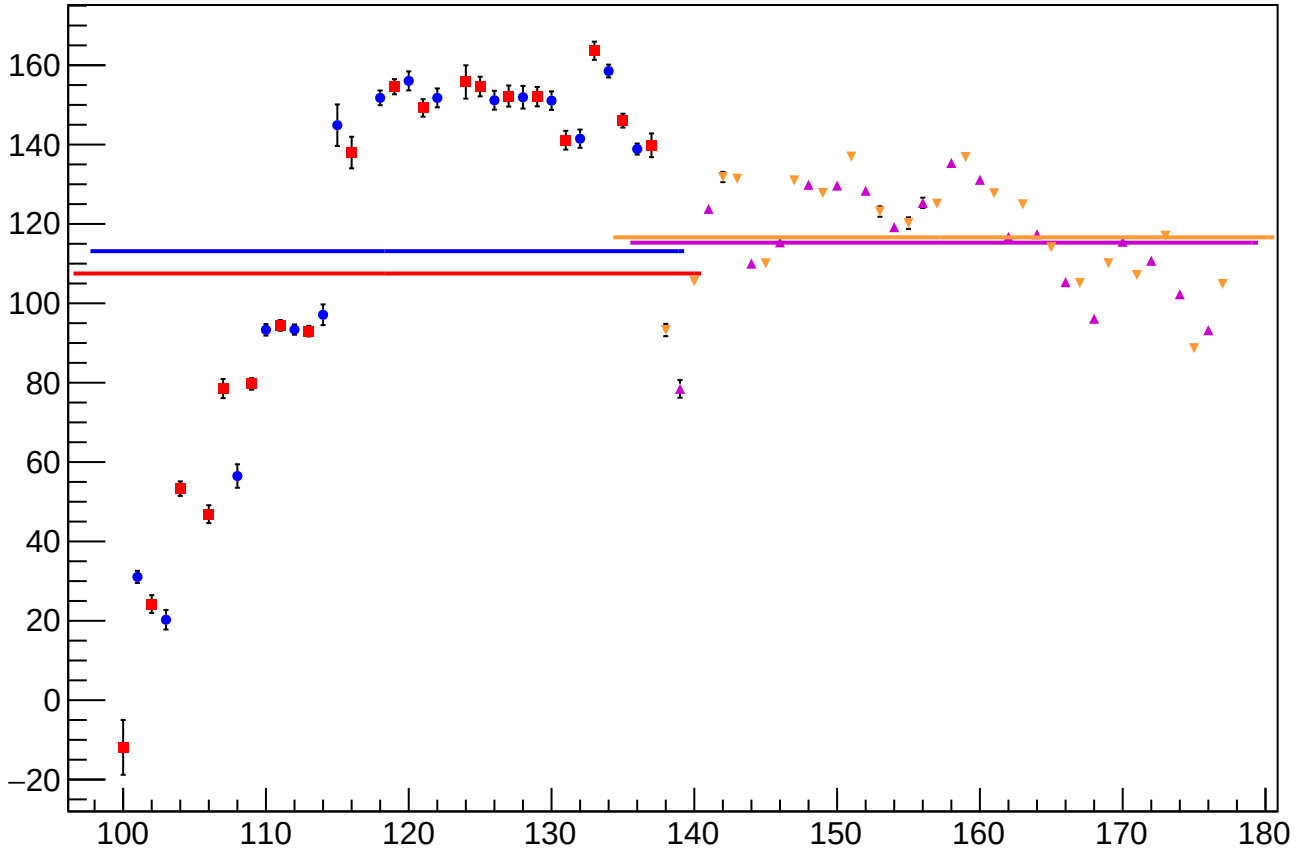
Left In: -67.948+/-0.267 χ^2/NDF:8972.9/18

+ sign -71.088+/-0.223 χ^2/NDF: 13487.9/36

All: -70.888+/-0.158 χ^2/NDF: 25955.5/74

- sign -70.685+/-0.225 χ^2/NDF: 12466.0/37

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 116.627+/-0.217 χ^2/NDF:3825.9/20

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

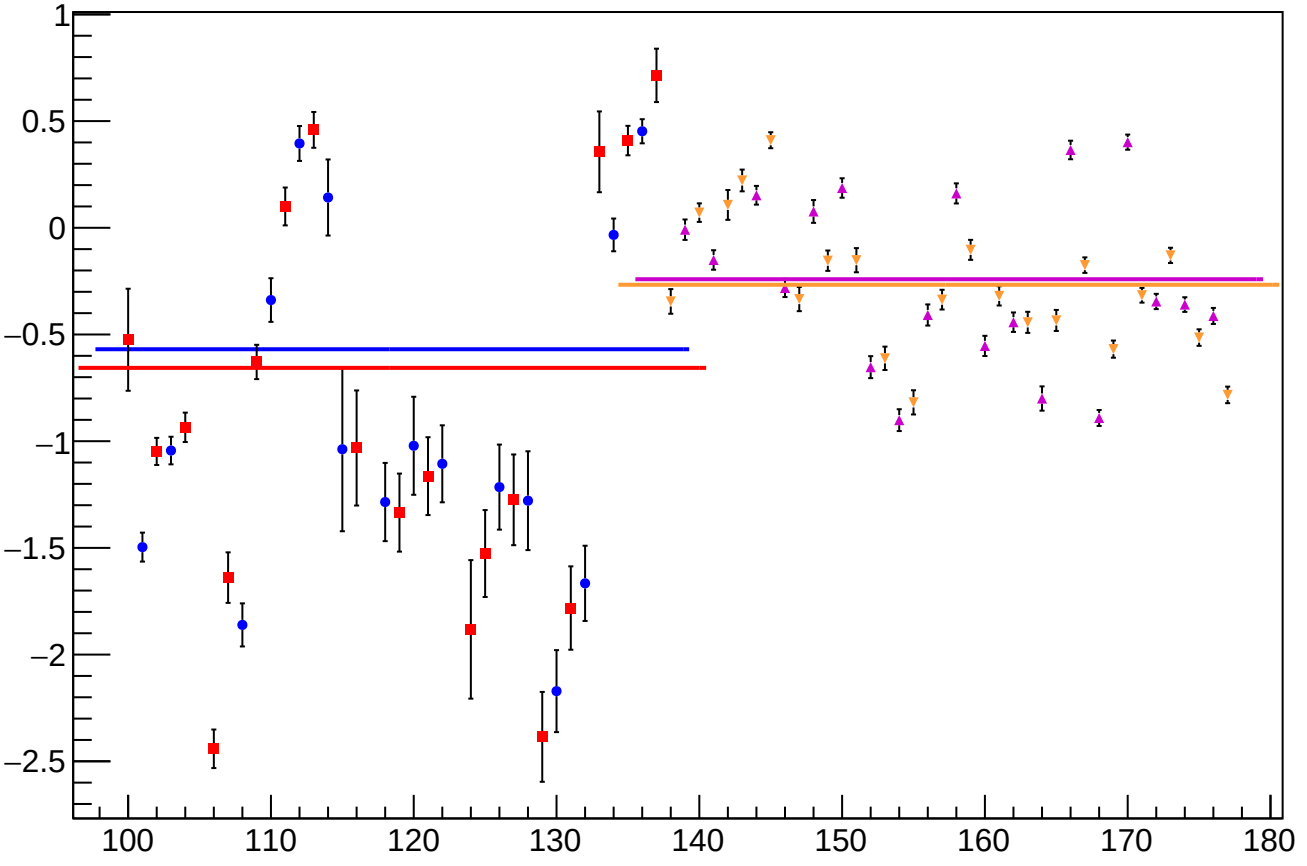
Left In: 115.288+/-0.225 χ^2/NDF:3012.9/18

+ sign 116.054+/-0.198 χ^2/NDF: 12072.4/36

All: 114.999+/-0.142 χ^2/NDF: 22903.1/74

- sign 113.889+/-0.203 χ^2/NDF: 10772.5/37

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.267+/-0.010 χ^2/NDF:993.4/20

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

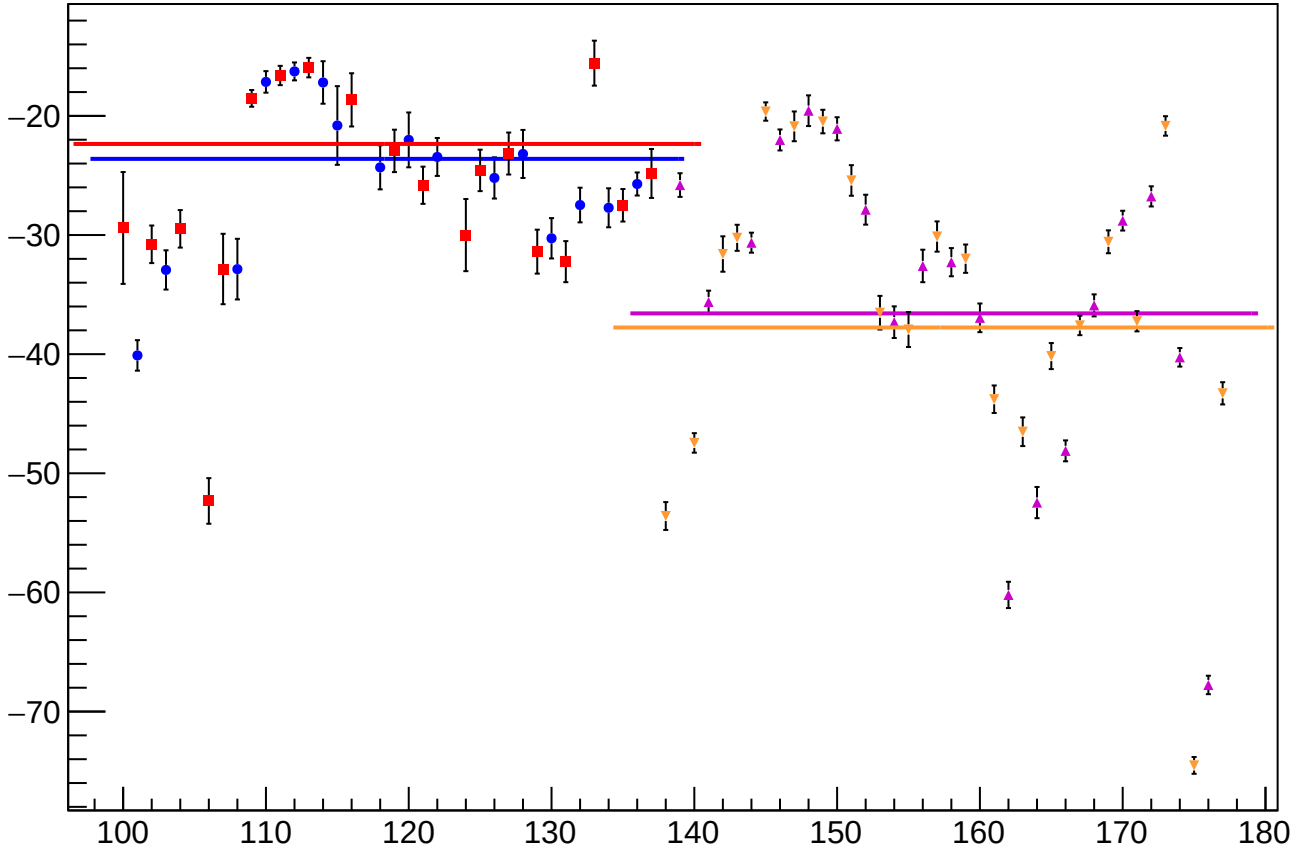
Left In: -0.241+/-0.010 χ^2/NDF:1573.5/18

+ sign -0.305+/-0.009 χ^2/NDF: 2210.8/36

All: -0.301+/-0.007 χ^2/NDF: 5334.6/74

- sign -0.297+/-0.009 χ^2/NDF: 3123.4/37

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -37.761+/-0.220 χ^2/NDF:4918.5/20

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

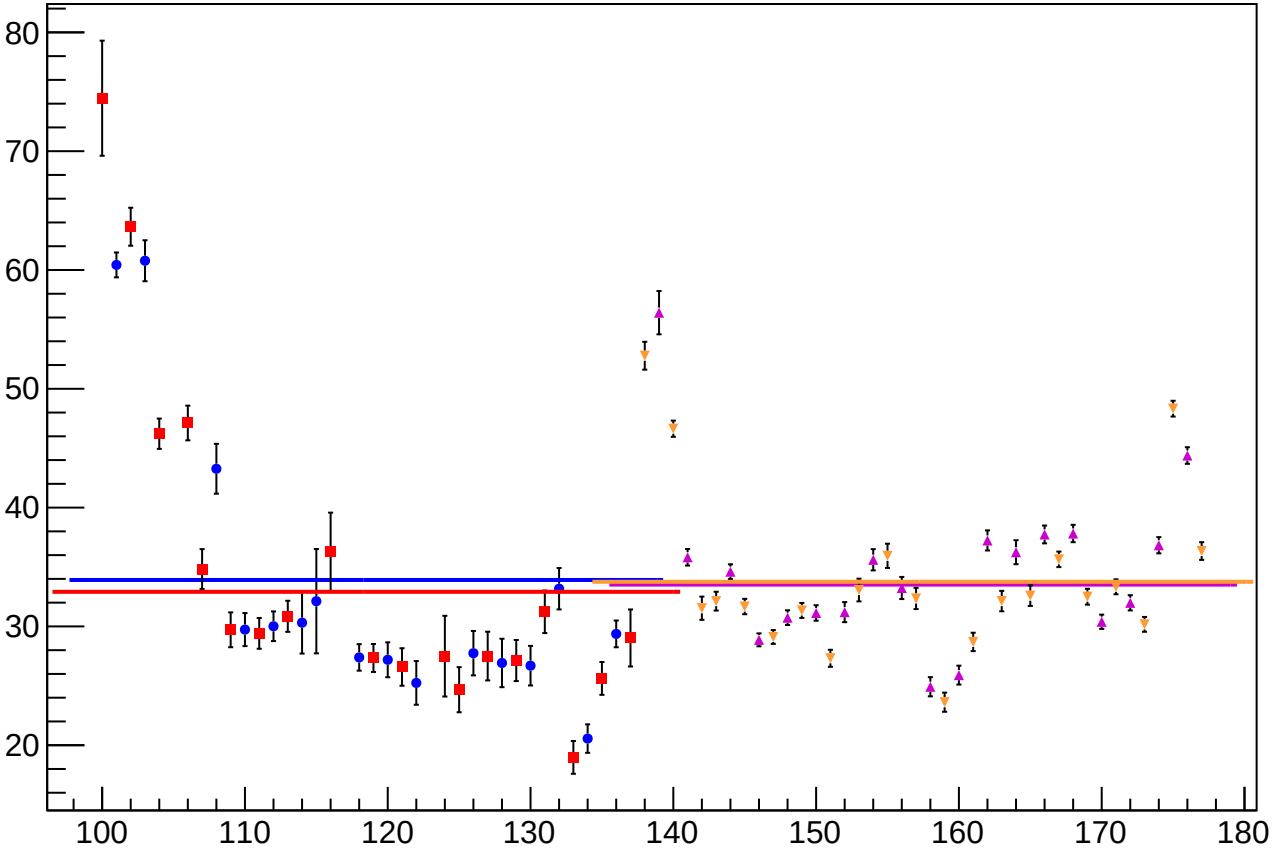
Left In: -36.577+/-0.226 χ^2/NDF:3585.4/18

+ sign -33.726+/-0.186 χ^2/NDF: 6505.5/36

All: -32.803+/-0.131 χ^2/NDF: 12002.0/74

- sign -31.892+/-0.185 χ^2/NDF: 5447.5/37

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.756+/-0.162 χ^2/NDF:1549.8/20

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

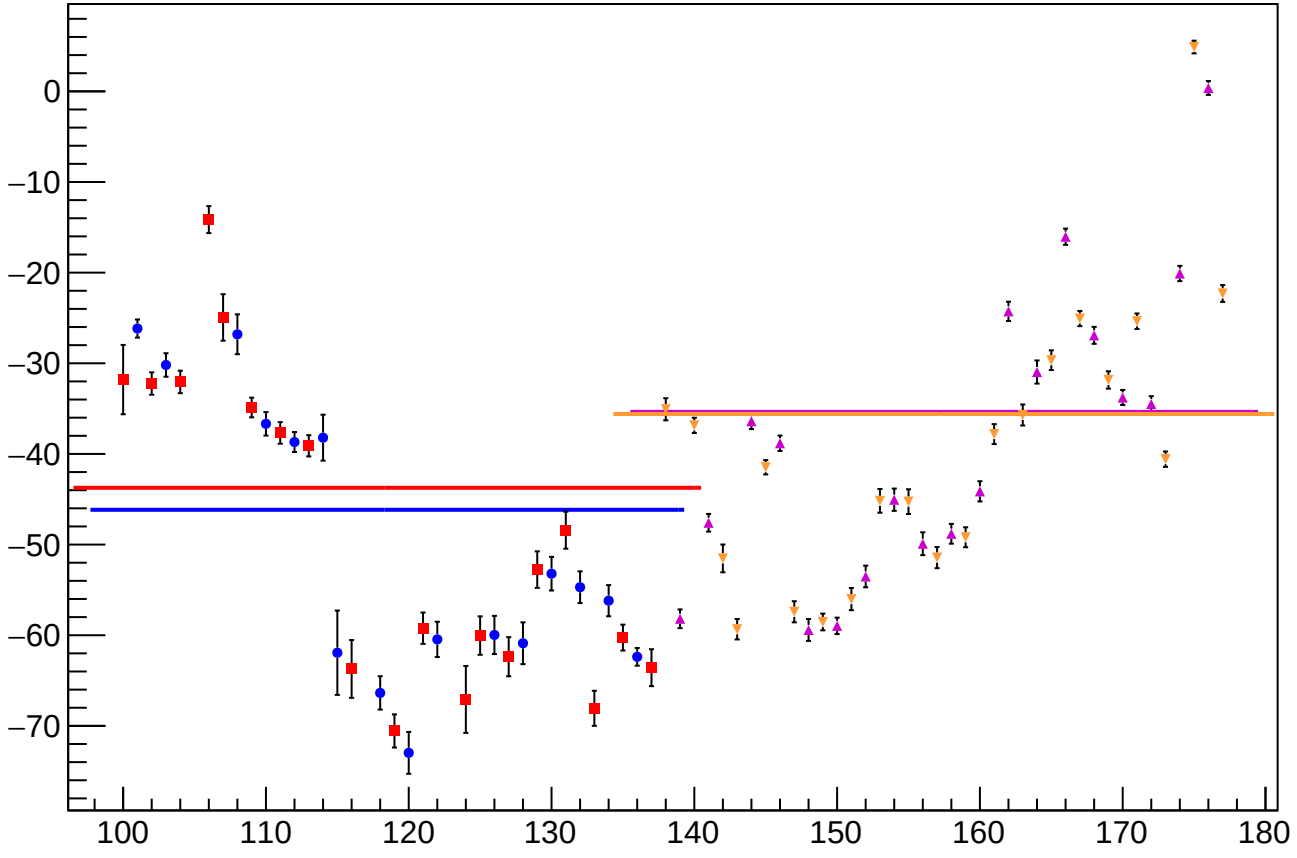
Left In: 33.519+/-0.168 χ^2/NDF:887.8/18

+ sign 33.780+/-0.149 χ^2/NDF: 2734.4/36

All: 33.604+/-0.107 χ^2/NDF: 4502.3/74

- sign 33.417+/-0.153 χ^2/NDF: 1765.0/37

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -35.596+/-0.218 χ^2/NDF:6212.4/20

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

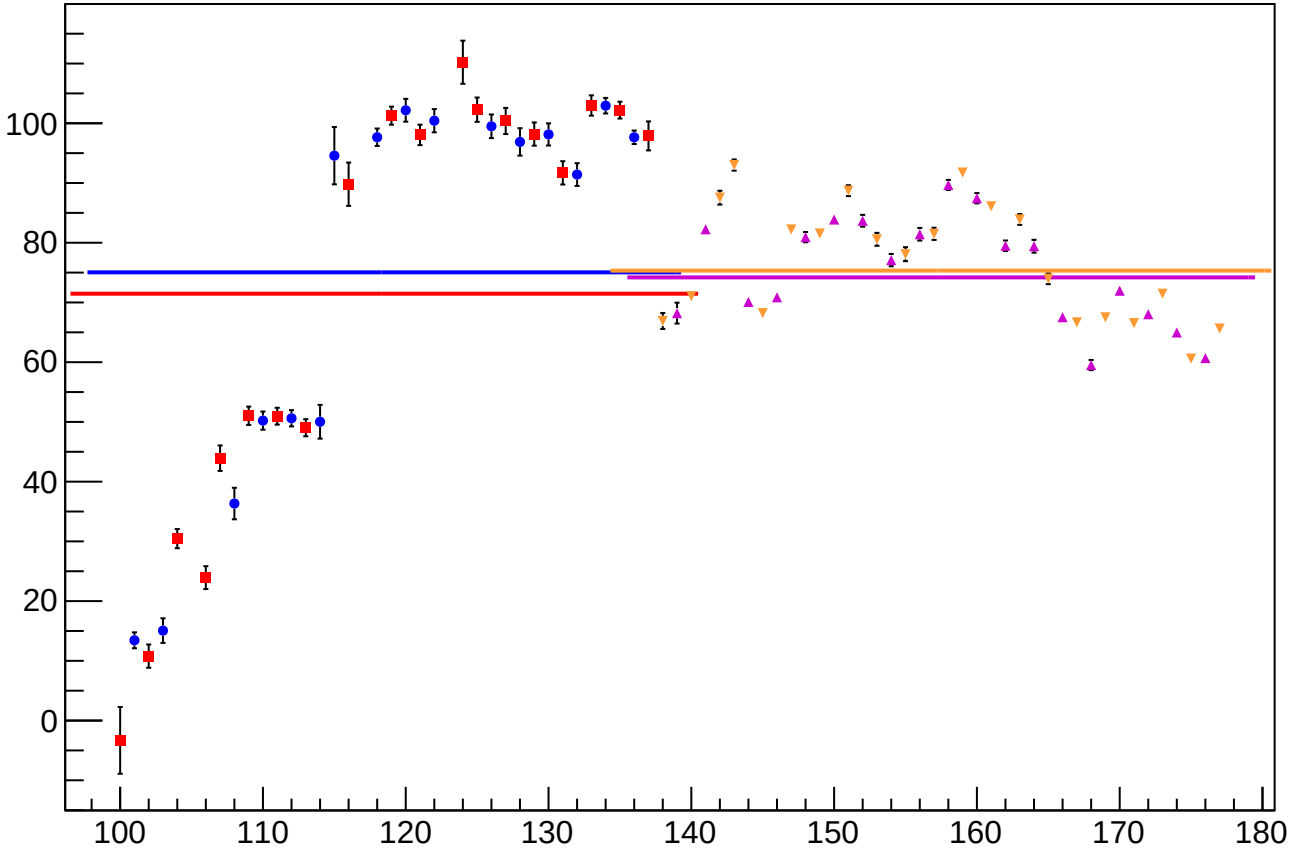
Left In: -35.360+/-0.223 χ^2/NDF:5560.5/18

\+ sign -38.112+/-0.190 χ^2/NDF: 8261.6/36

All: -37.822+/-0.135 χ^2/NDF: 15853.1/74

\- sign -37.525+/-0.192 χ^2/NDF: 7586.8/37

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 75.333+/-0.183 χ^2/NDF:2731.0/20

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

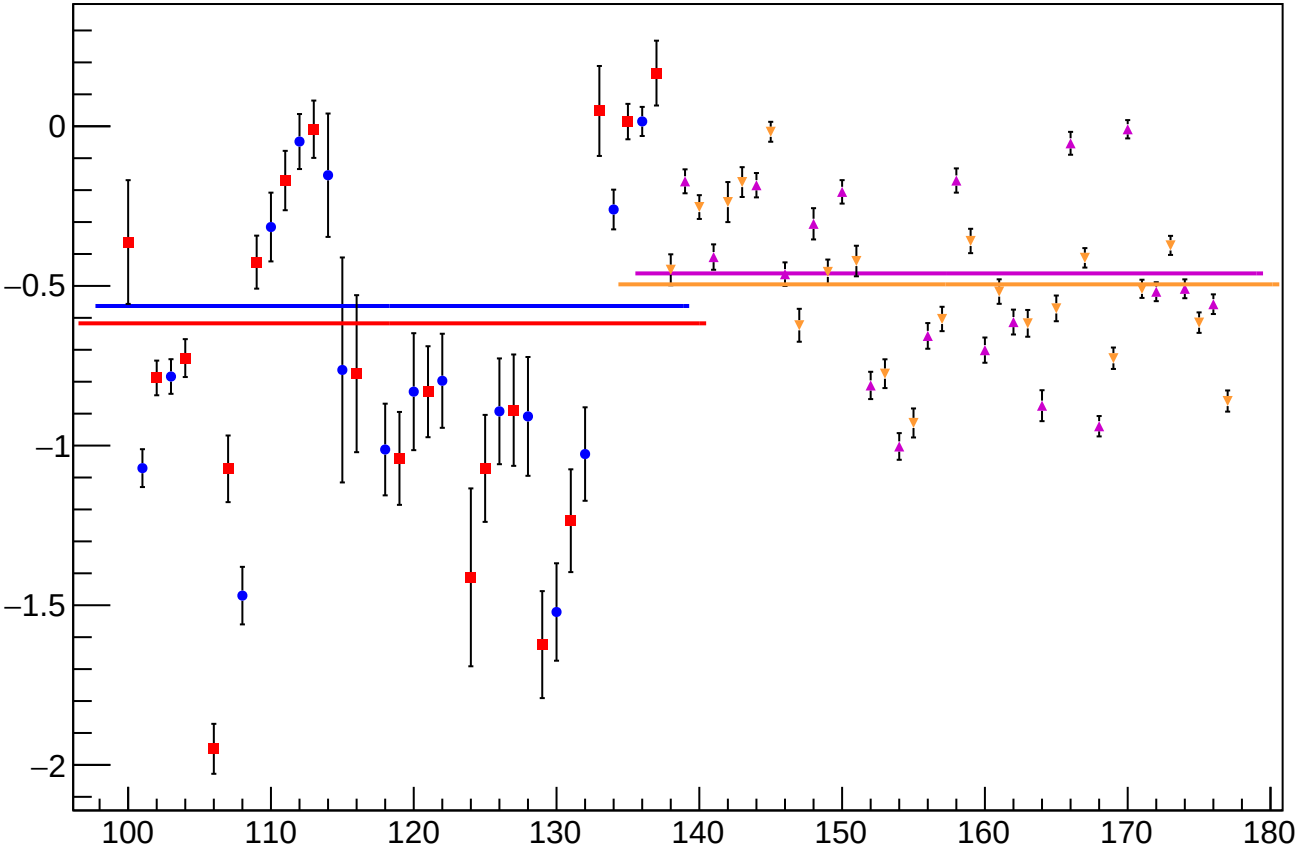
Left In: 74.197+/-0.190 χ^2/NDF:2113.7/18

+ sign 75.288+/-0.168 χ^2/NDF: 8559.7/36

All: 74.538+/-0.121 χ^2/NDF: 16376.7/74

- sign 73.745+/-0.173 χ^2/NDF: 7776.2/37

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.495+/-0.008 χ^2/NDF:721.4/20

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

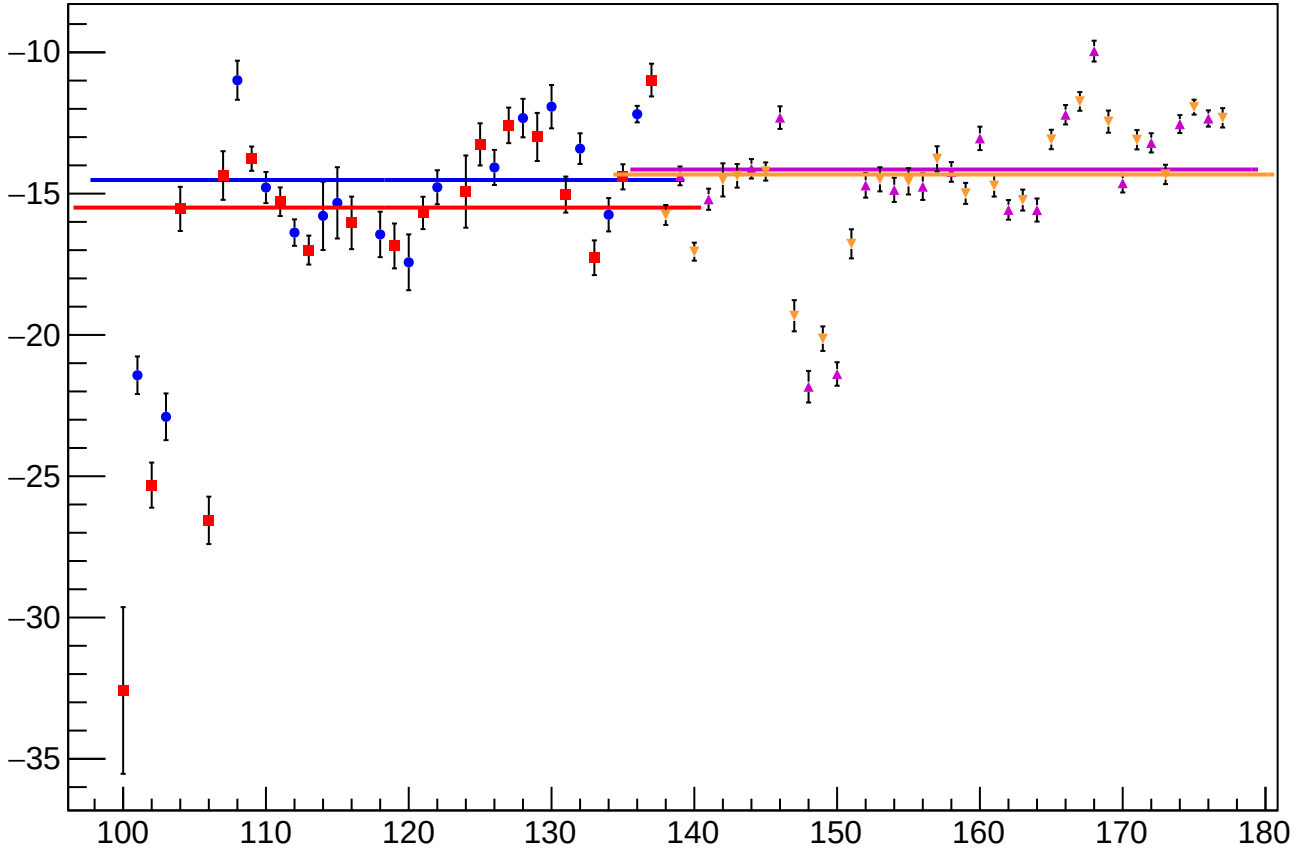
Left In: -0.461+/-0.008 χ^2/NDF:1233.5/18

+ sign -0.503+/-0.008 χ^2/NDF: 1222.6/36

All: -0.492+/-0.005 χ^2/NDF: 3194.0/74

- sign -0.480+/-0.008 χ^2/NDF: 1967.0/37

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: -14.324+/-0.082 χ^2/NDF:612.5/20

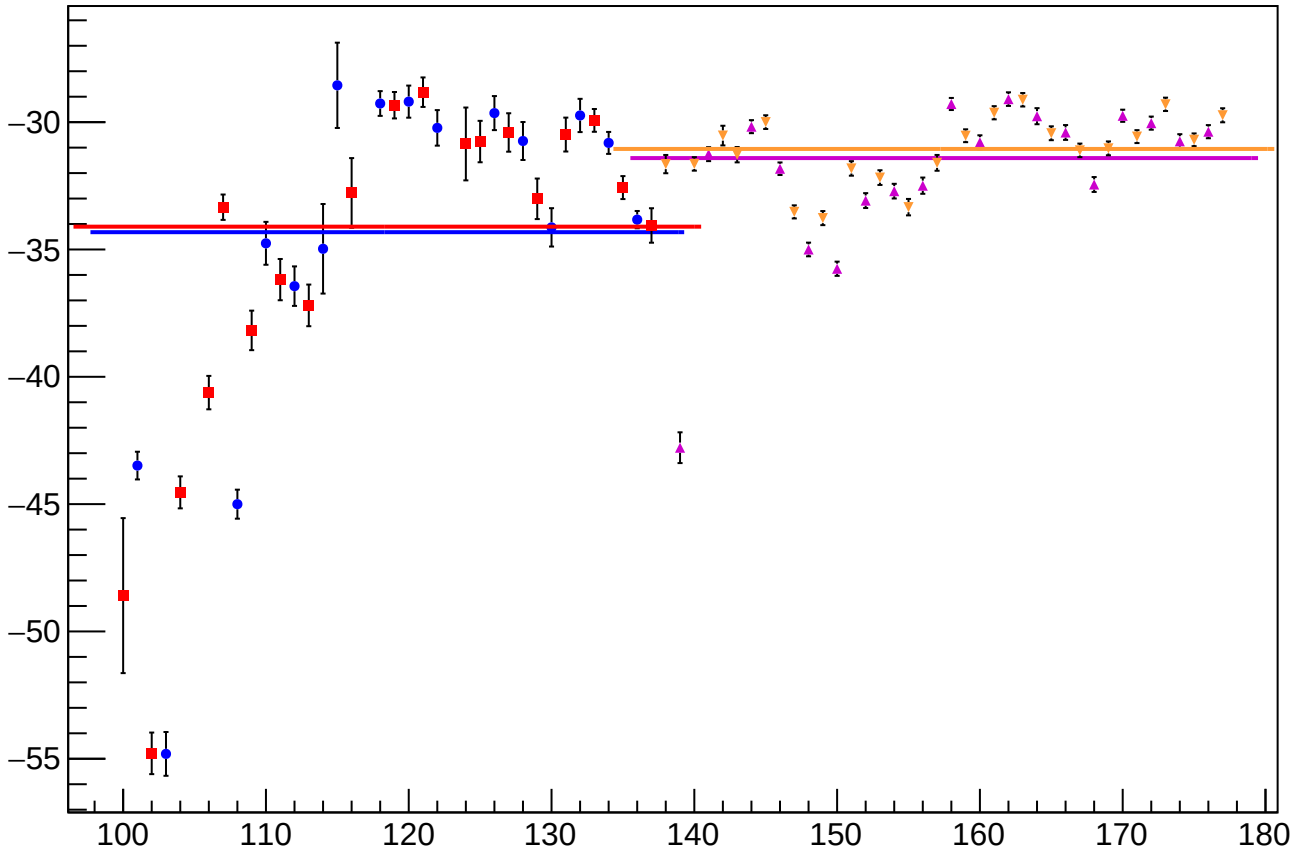
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.146+/-0.085 χ^2/NDF:799.2/18

+ sign -14.369+/-0.072 χ^2/NDF: 977.2/36

All: -14.419+/-0.051 χ^2/NDF: 2342.5/74

- sign -14.473+/-0.074 χ^2/NDF: 1364.3/37



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.052+/-0.061 χ^2/NDF:455.3/20

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

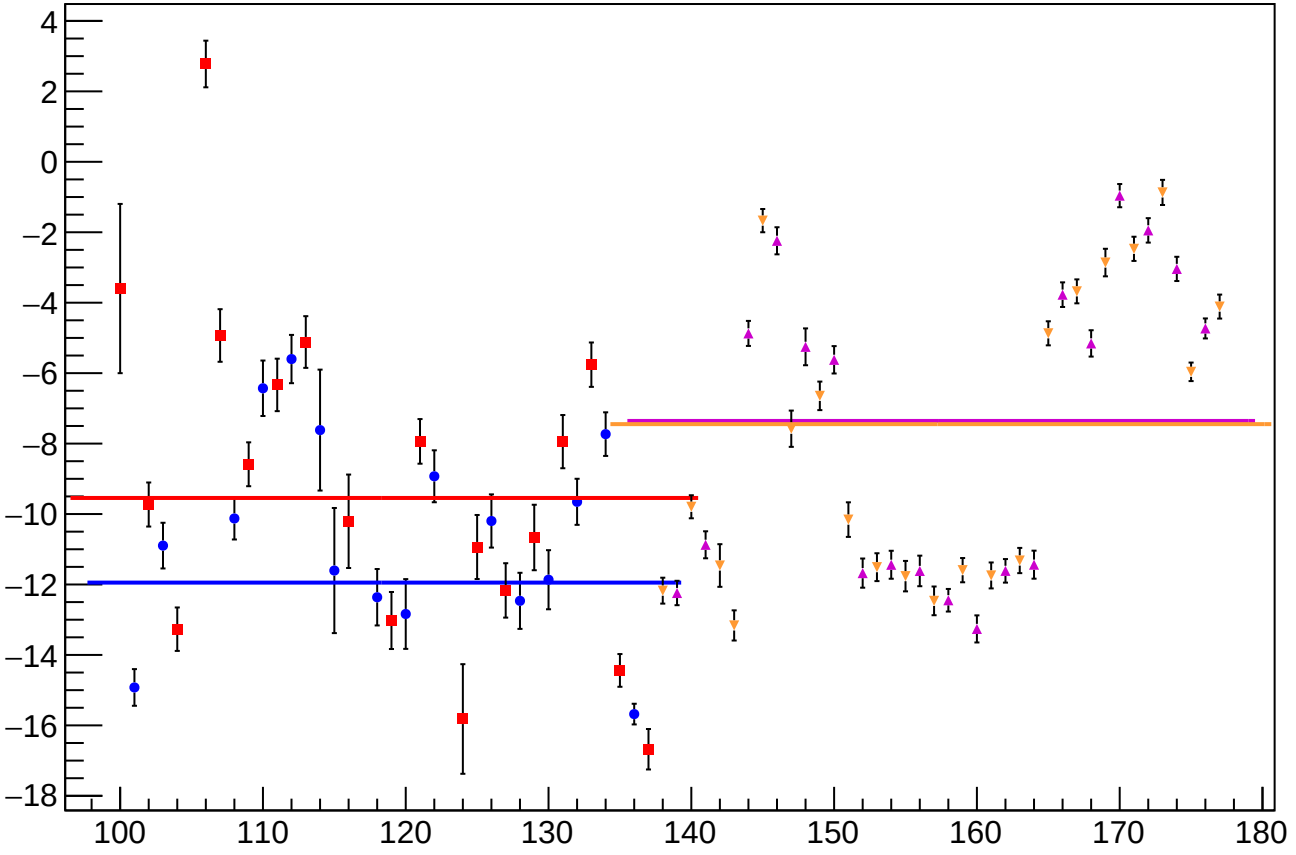
Left In: -31.411+/-0.064 χ^2/NDF:1175.7/18

+ sign -31.495+/-0.056 χ^2/NDF: 2469.0/36

All: -31.643+/-0.041 χ^2/NDF: 5354.5/74

- sign -31.803+/-0.059 χ^2/NDF: 2871.3/37

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: -7.448+/-0.081 χ^2/NDF:2529.8/20

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

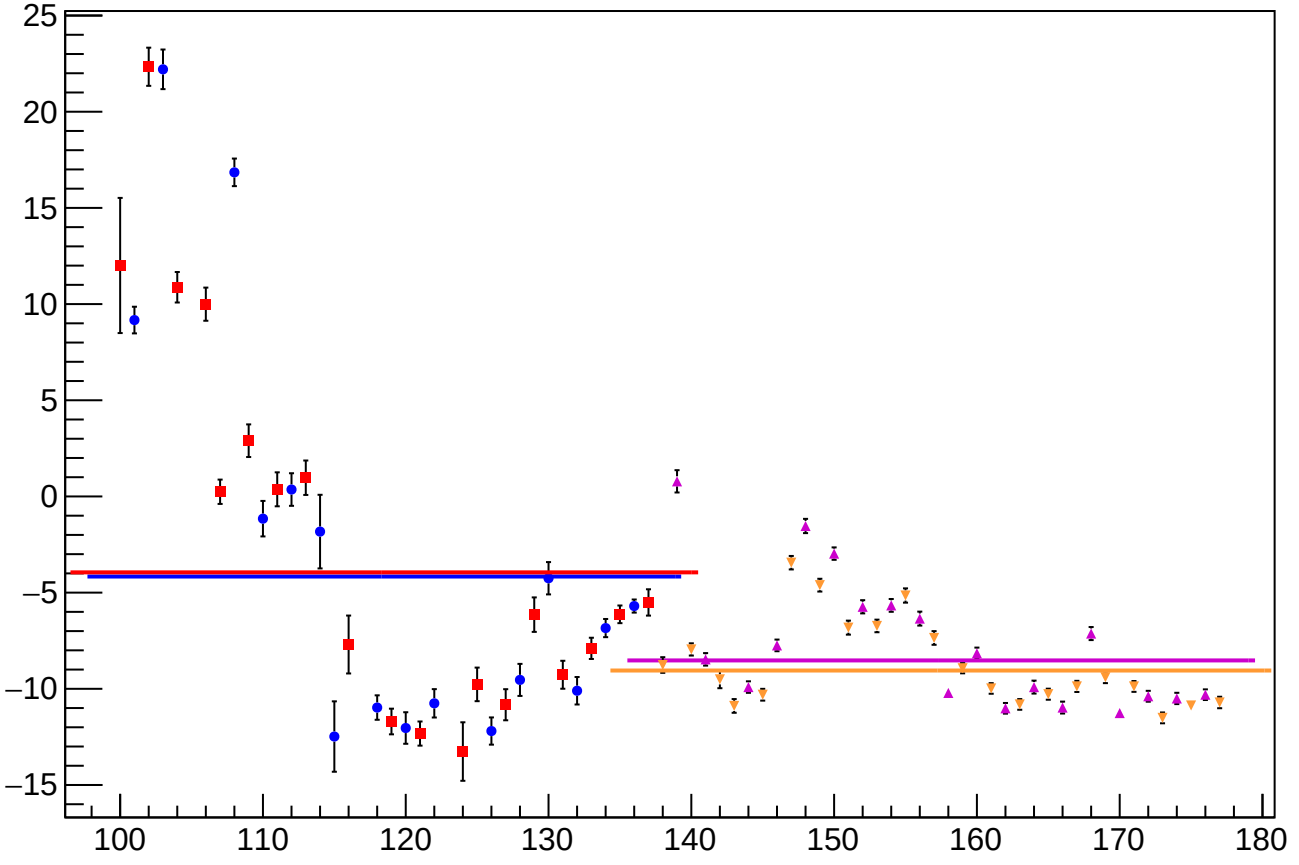
Left In: -7.357+/-0.084 χ^2/NDF:2612.8/18

+ sign -8.363+/-0.072 χ^2/NDF: 3588.5/36

All: -8.092+/-0.052 χ^2/NDF: 7216.9/74

- sign -7.803+/-0.075 χ^2/NDF: 3599.4/37

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: -9.049+/-0.068 χ^2/NDF:955.3/20

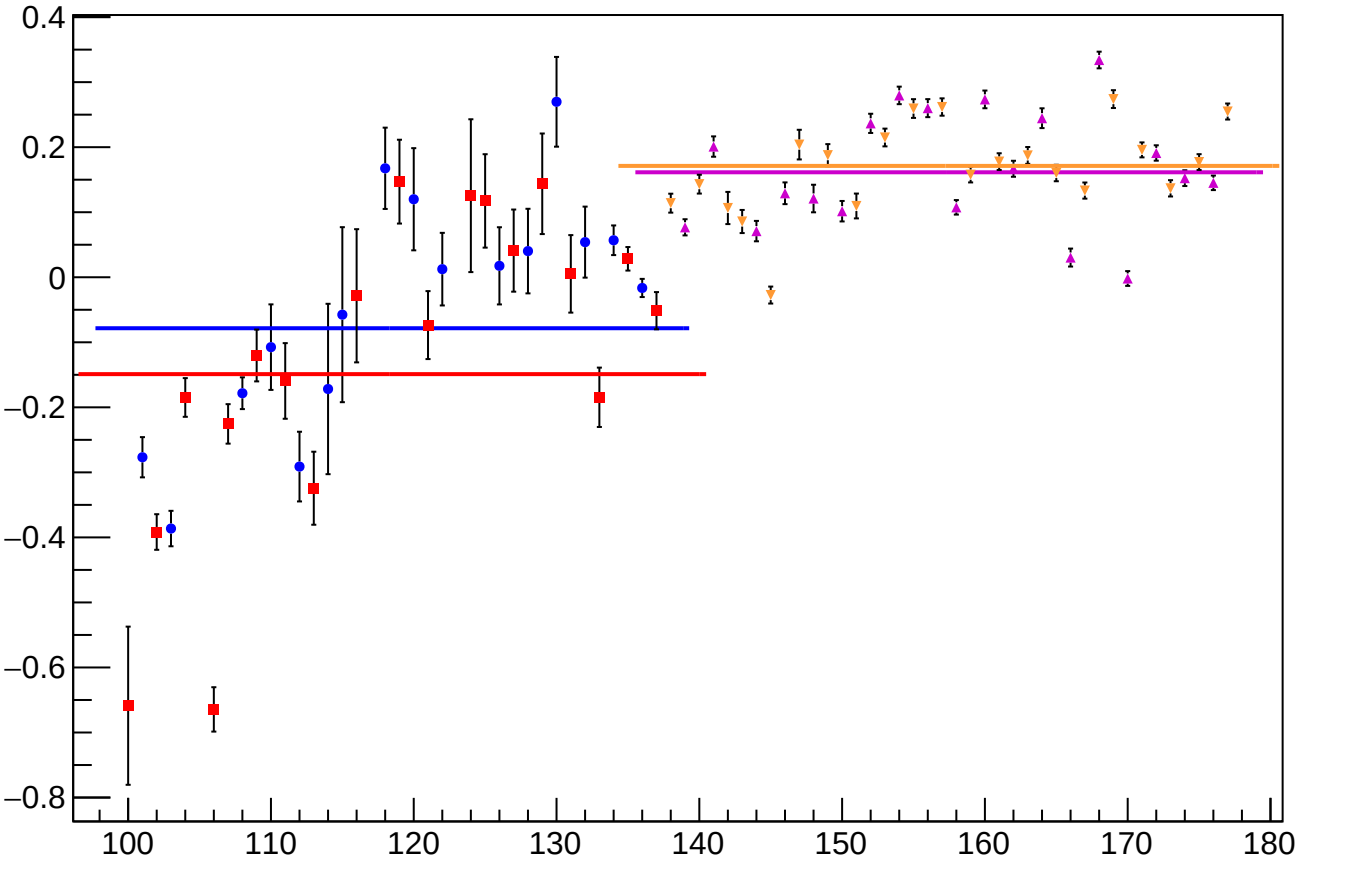
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.524+/-0.071 χ^2/NDF:1579.5/18

+ sign -8.384+/-0.063 χ^2/NDF: 4178.0/36

All: -8.142+/-0.046 χ^2/NDF: 8479.0/74

- sign -7.880+/-0.066 χ^2/NDF: 4270.7/37



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.171+/-0.003 χ^2/NDF:516.2/20

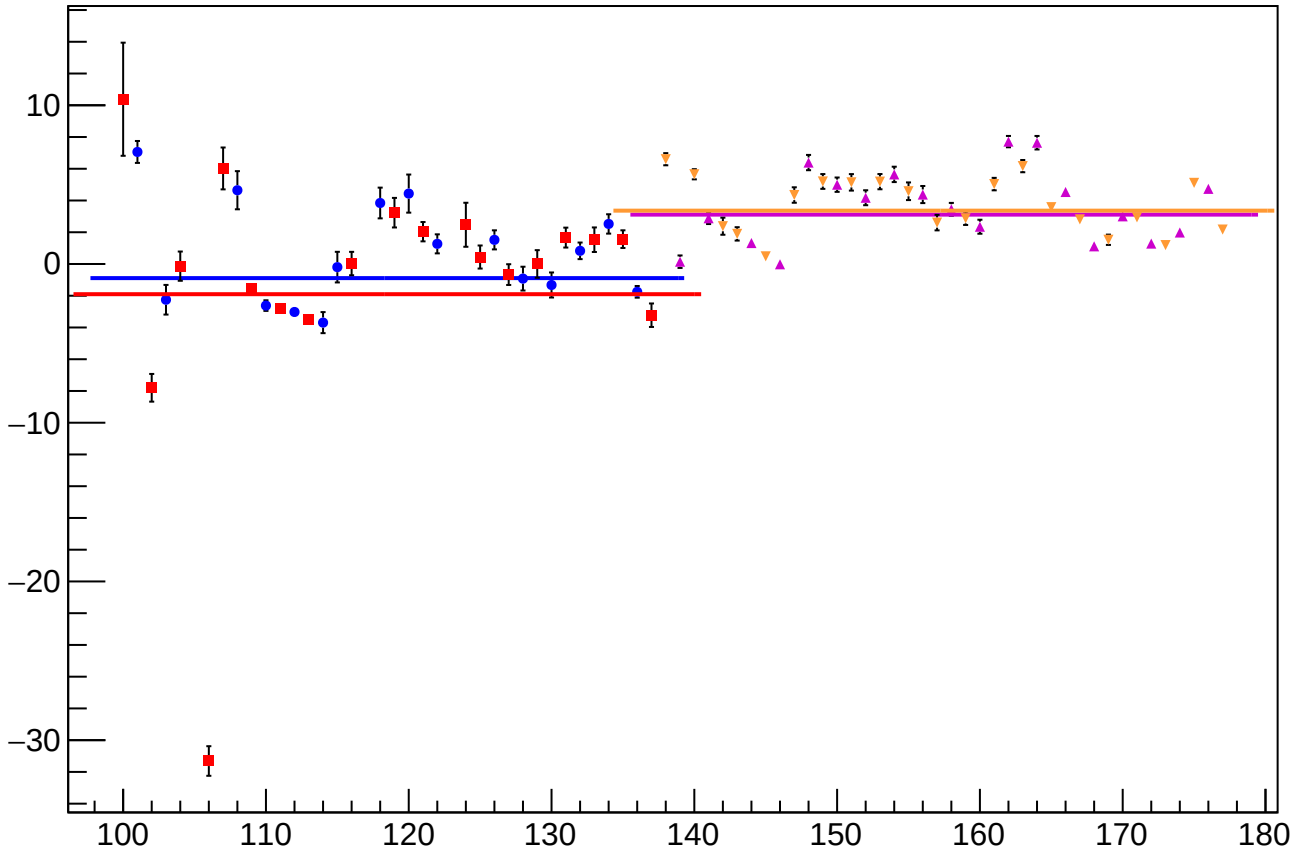
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.161+/-0.003 χ^2/NDF:869.5/18

+ sign 0.143+/-0.003 χ^2/NDF: 1588.8/36

All: 0.136+/-0.002 χ^2/NDF: 4043.8/74

- sign 0.129+/-0.003 χ^2/NDF: 2442.9/37



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.361+/-0.075 χ^2/NDF:579.5/20

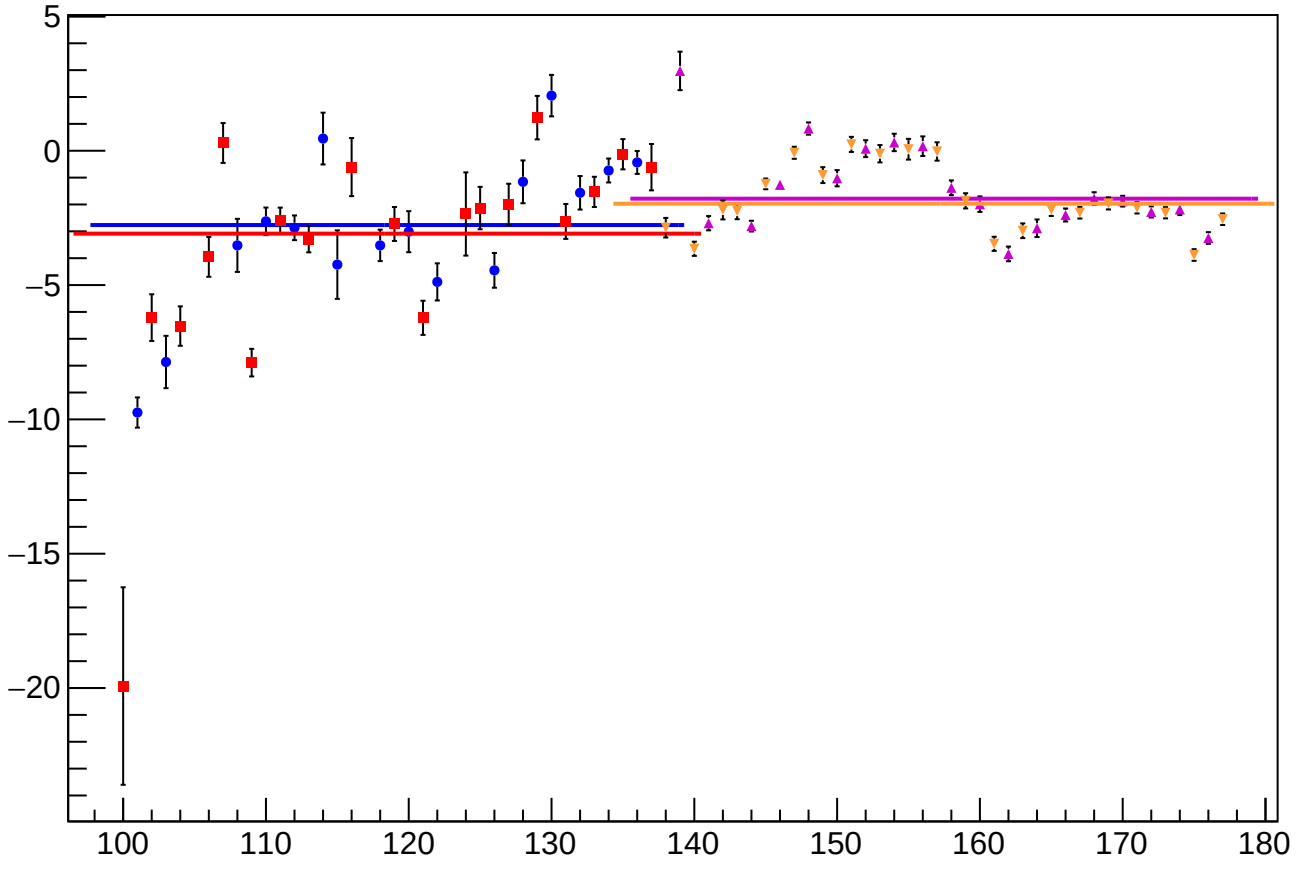
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.111+/-0.077 χ^2/NDF:769.8/18

+ sign 2.374+/-0.066 χ^2/NDF: 1703.0/36

All: 2.077+/-0.047 χ^2/NDF: 4965.1/74

- sign 1.776+/-0.066 χ^2/NDF: 3221.1/37



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.972+/-0.056 χ^2/NDF:437.5/20

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

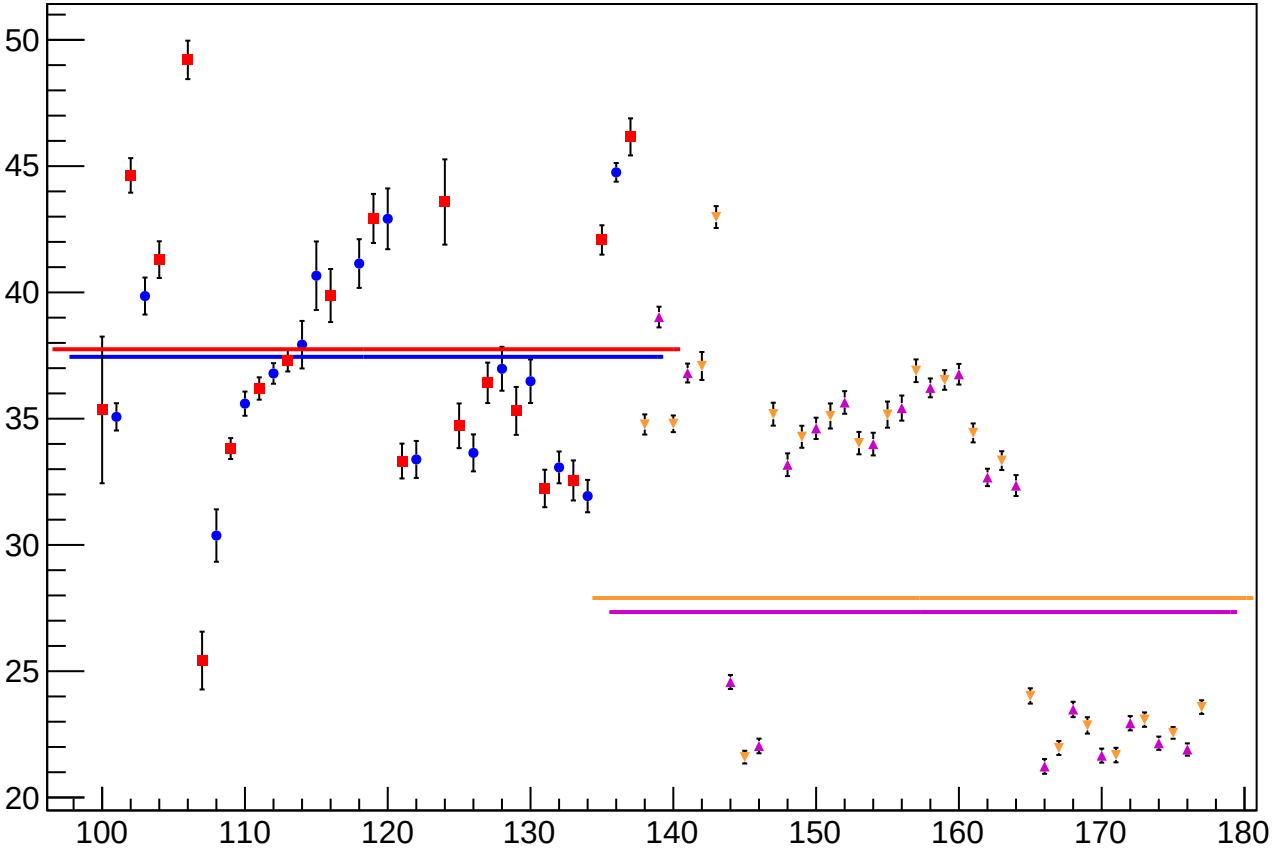
Left In: -1.785+/-0.057 χ^2/NDF:465.0/18

+ sign -2.062+/-0.052 χ^2/NDF: 770.5/36

All: -2.001+/-0.038 χ^2/NDF: 1570.9/74

- sign -1.937+/-0.054 χ^2/NDF: 797.7/37

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: 27.899+/-0.075 χ^2/NDF:7737.4/20

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

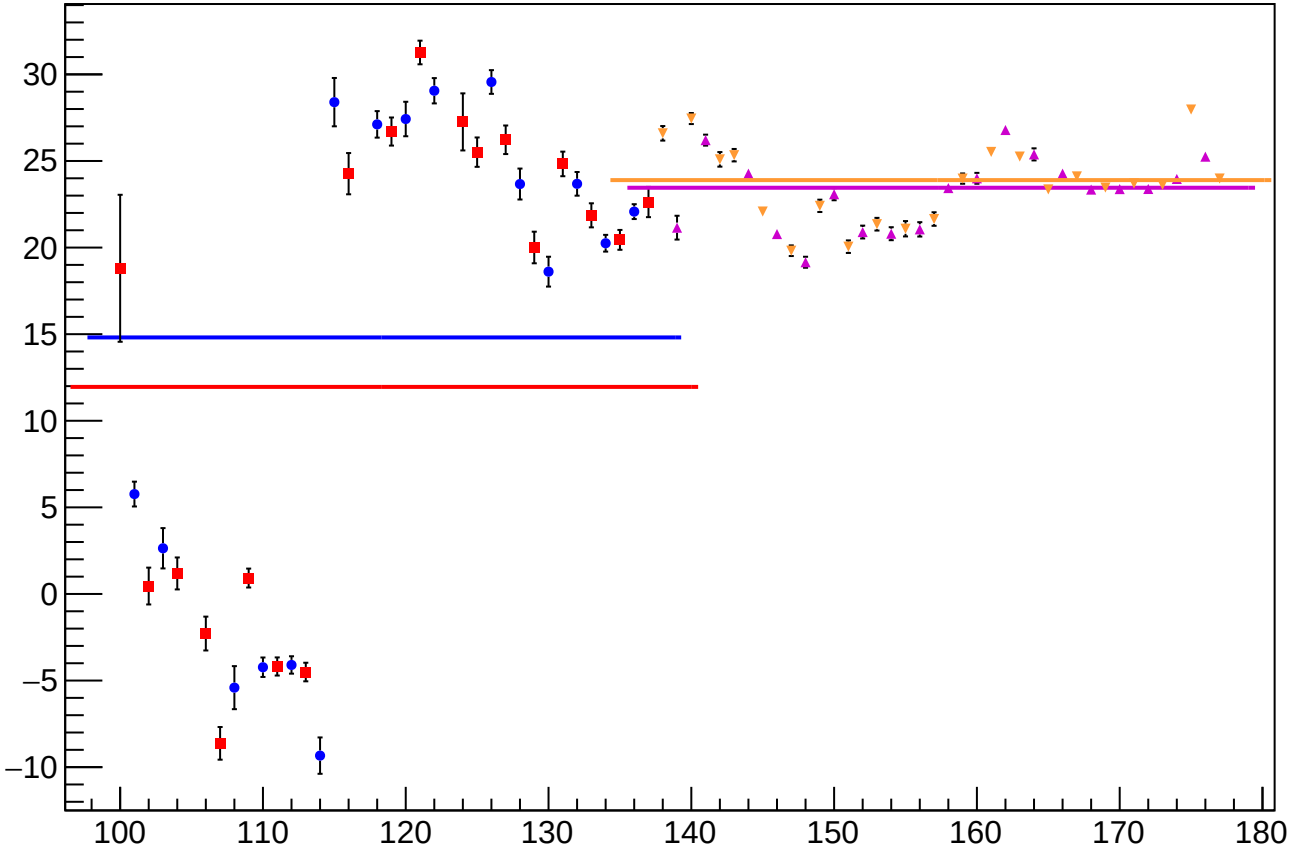
Left In: 27.343+/-0.077 χ^2/NDF:6804.9/18

+ sign 29.598+/-0.068 χ^2/NDF: 11346.7/36

All: 29.455+/-0.048 χ^2/NDF: 22581.3/74

- sign 29.307+/-0.069 χ^2/NDF: 11225.5/37

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: 23.895+/-0.063 χ^2/NDF:1069.0/20

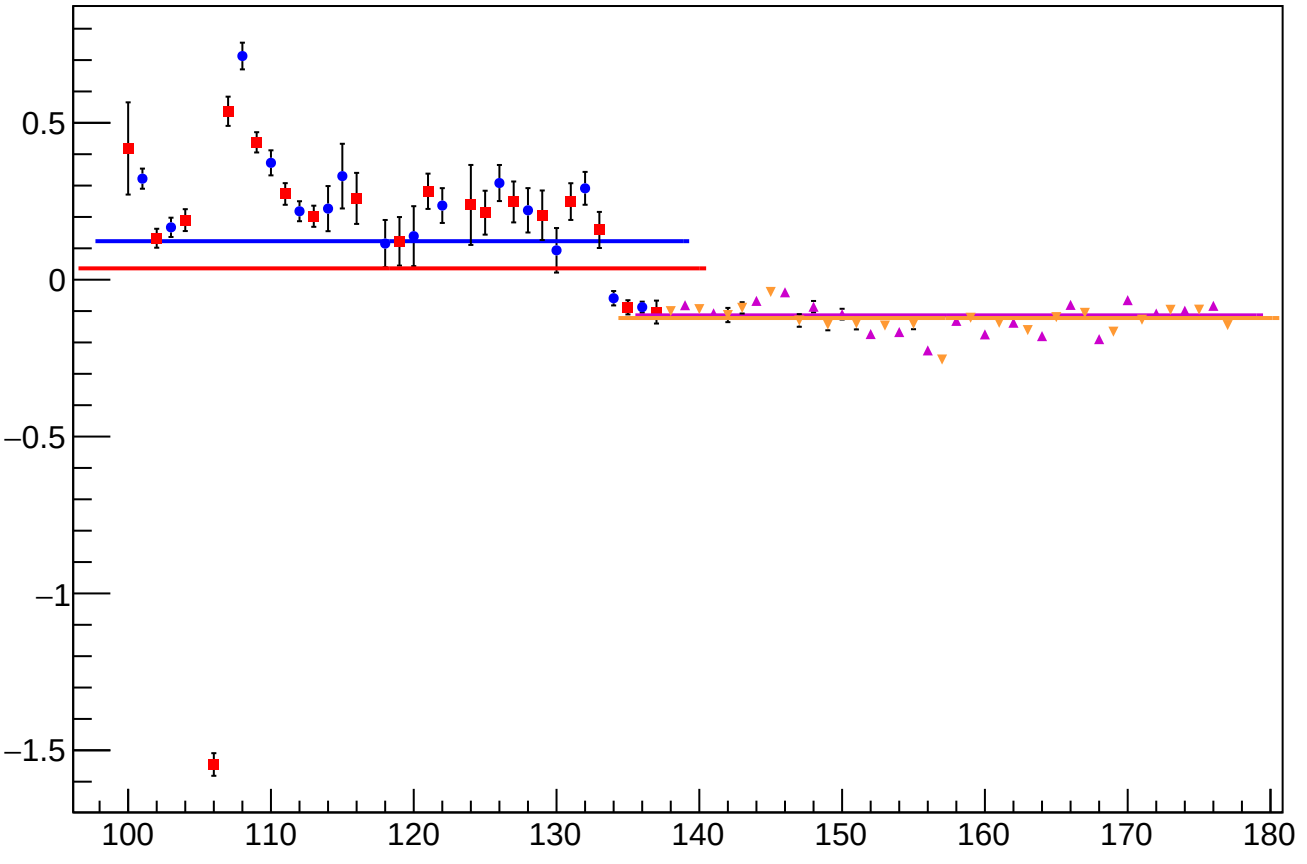
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.454+/-0.065 χ^2/NDF:805.4/18

+ sign 22.852+/-0.059 χ^2/NDF: 9170.9/36

All: 22.486+/-0.042 χ^2/NDF: 19891.2/74

- sign 22.096+/-0.061 χ^2/NDF: 10640.6/37



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.122+/-0.003 χ^2/NDF:210.9/20

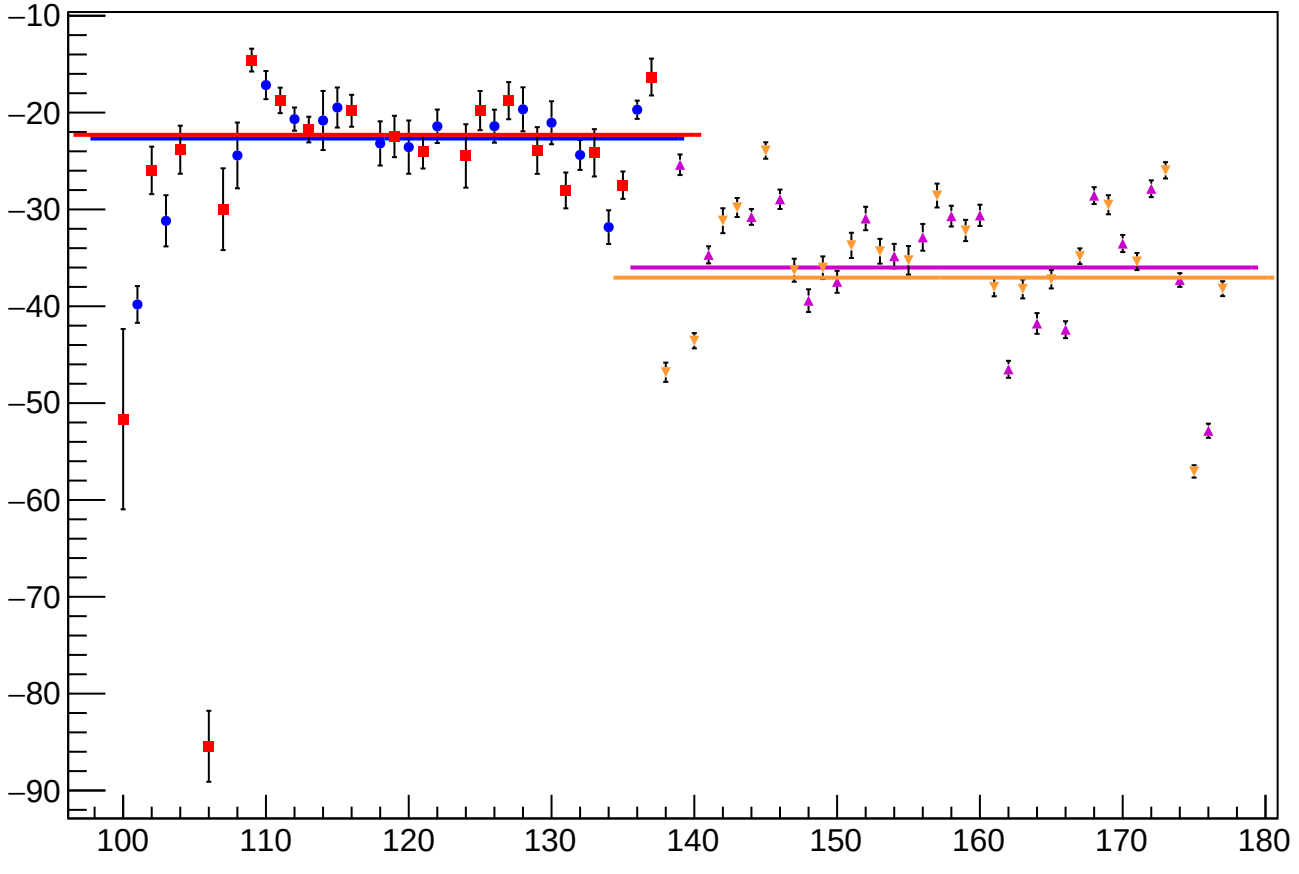
Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.114+/-0.003 χ^2/NDF:271.6/18

+ sign -0.102+/-0.003 χ^2/NDF: 1353.1/36

All: -0.102+/-0.002 χ^2/NDF: 4255.7/74

- sign -0.102+/-0.003 χ^2/NDF: 2902.6/37



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -37.045+/-0.209 χ^2/NDF:1782.6/20

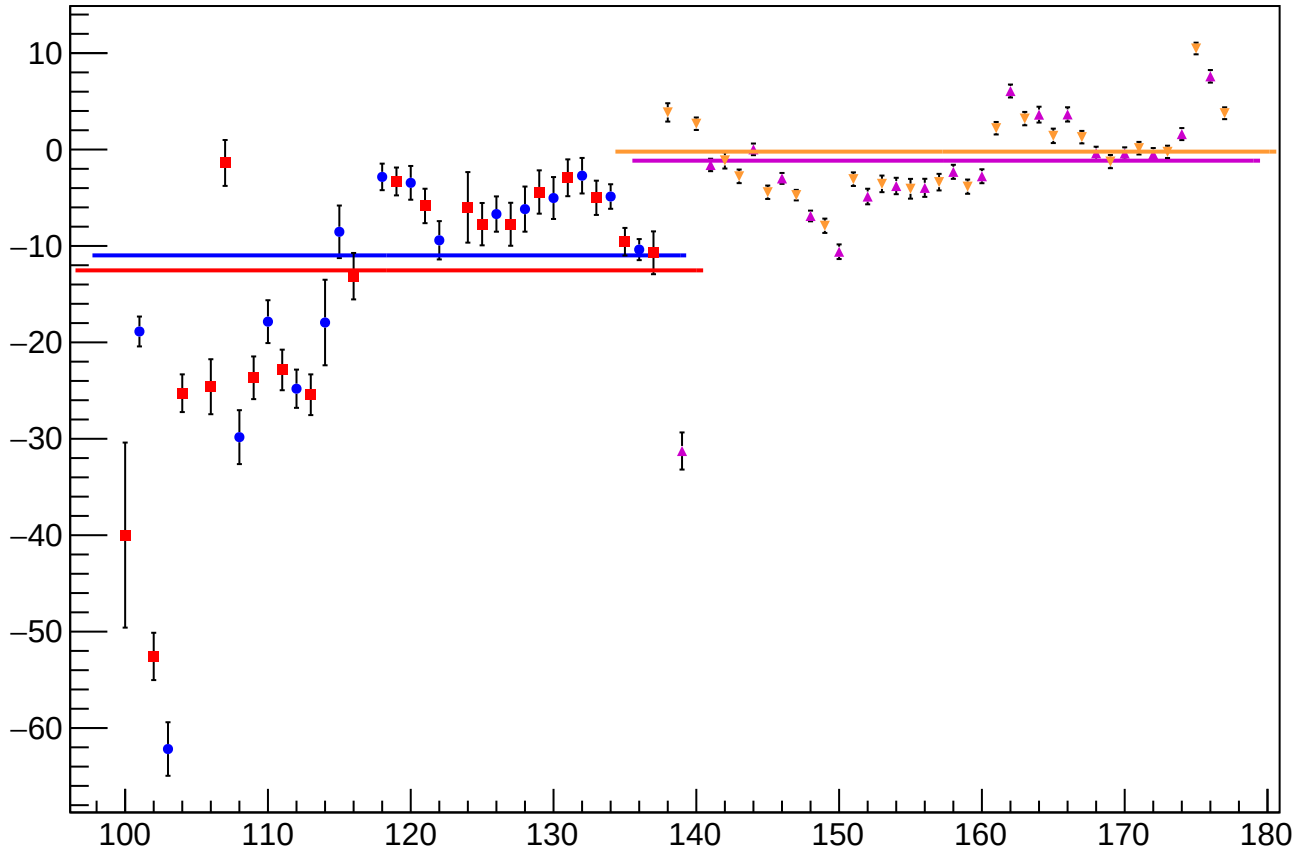
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -35.996+/-0.219 χ^2/NDF:1199.8/18

+ sign -34.340+/-0.189 χ^2/NDF: 2824.8/36

All: -33.806+/-0.136 χ^2/NDF: 5238.0/74

- sign -33.232+/-0.195 χ^2/NDF: 2396.6/37



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -0.216+/-0.153 χ^2/NDF:753.7/20

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

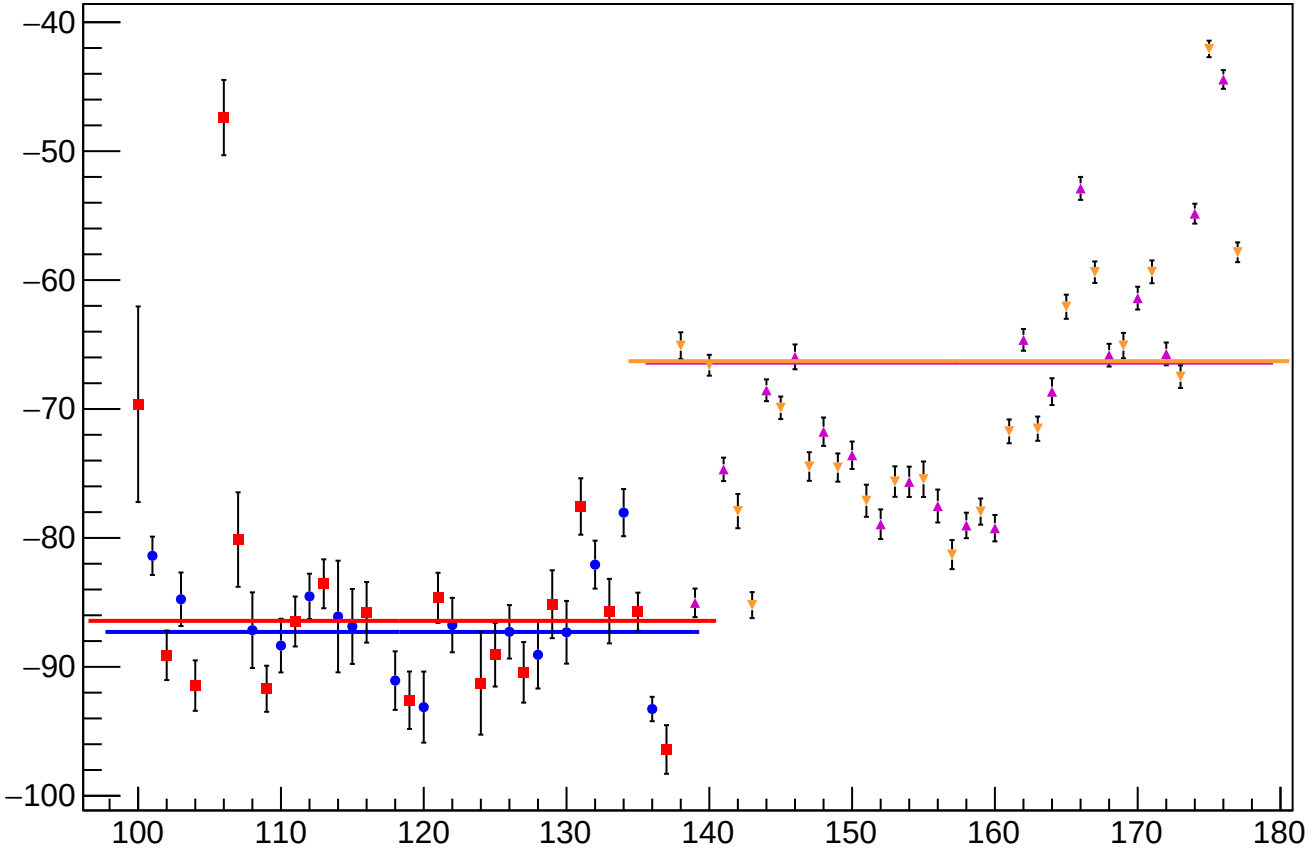
Left In: -1.156+/-0.161 χ^2/NDF:961.6/18

\+ sign -1.320+/-0.145 χ^2/NDF: 1846.7/36

All: -1.785+/-0.105 χ^2/NDF: 3905.3/74

\- sign -2.297+/-0.152 χ^2/NDF: 2037.1/37

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: -66.290+/-0.207 χ^2/NDF:2822.9/20

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

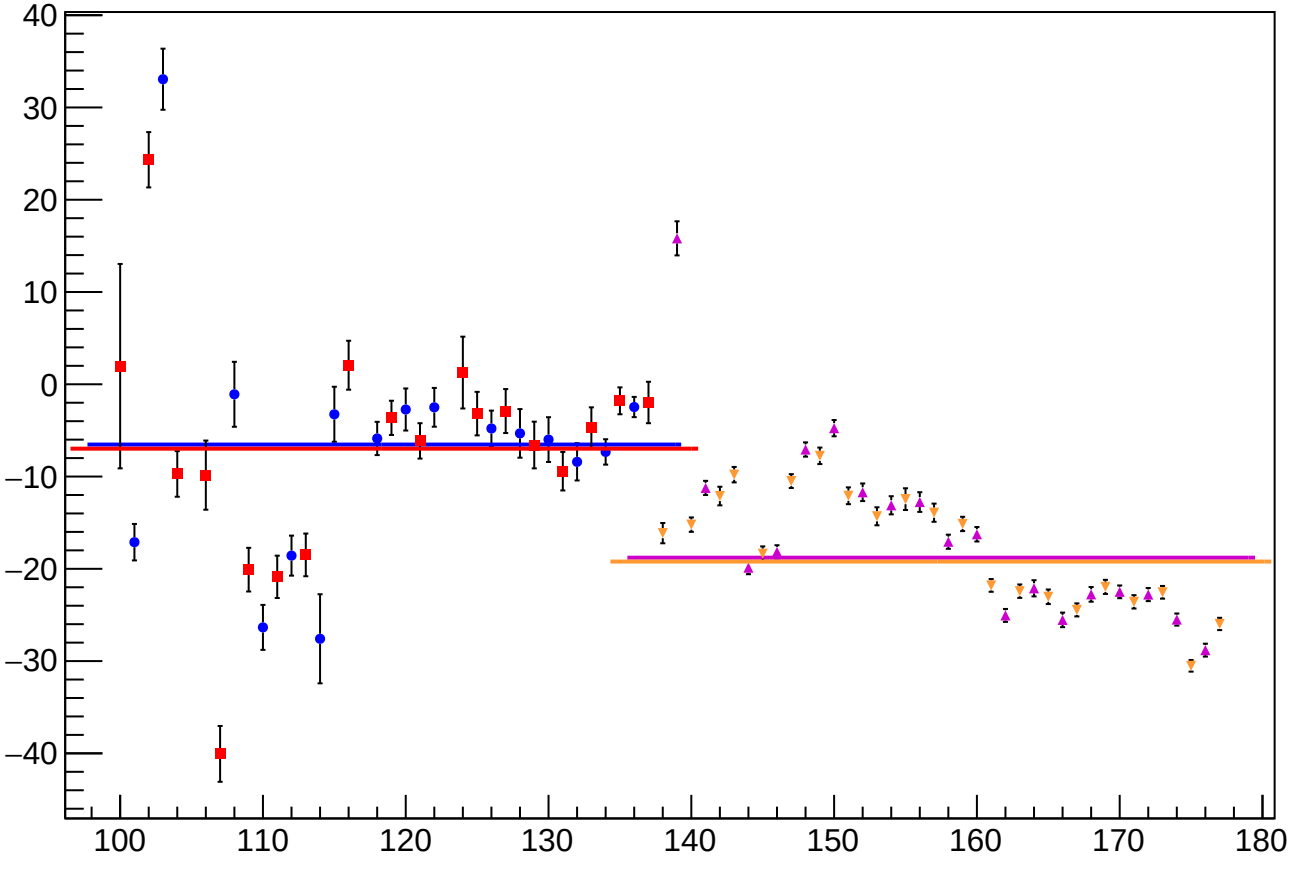
Left In: -66.404+/-0.217 χ^2/NDF:2433.5/18

\+ sign -69.588+/-0.190 χ^2/NDF: 4533.8/36

All: -69.549+/-0.138 χ^2/NDF: 8556.3/74

\- sign -69.507+/-0.199 χ^2/NDF: 4022.4/37

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: -19.215+/-0.174 χ^2/NDF:1293.6/20

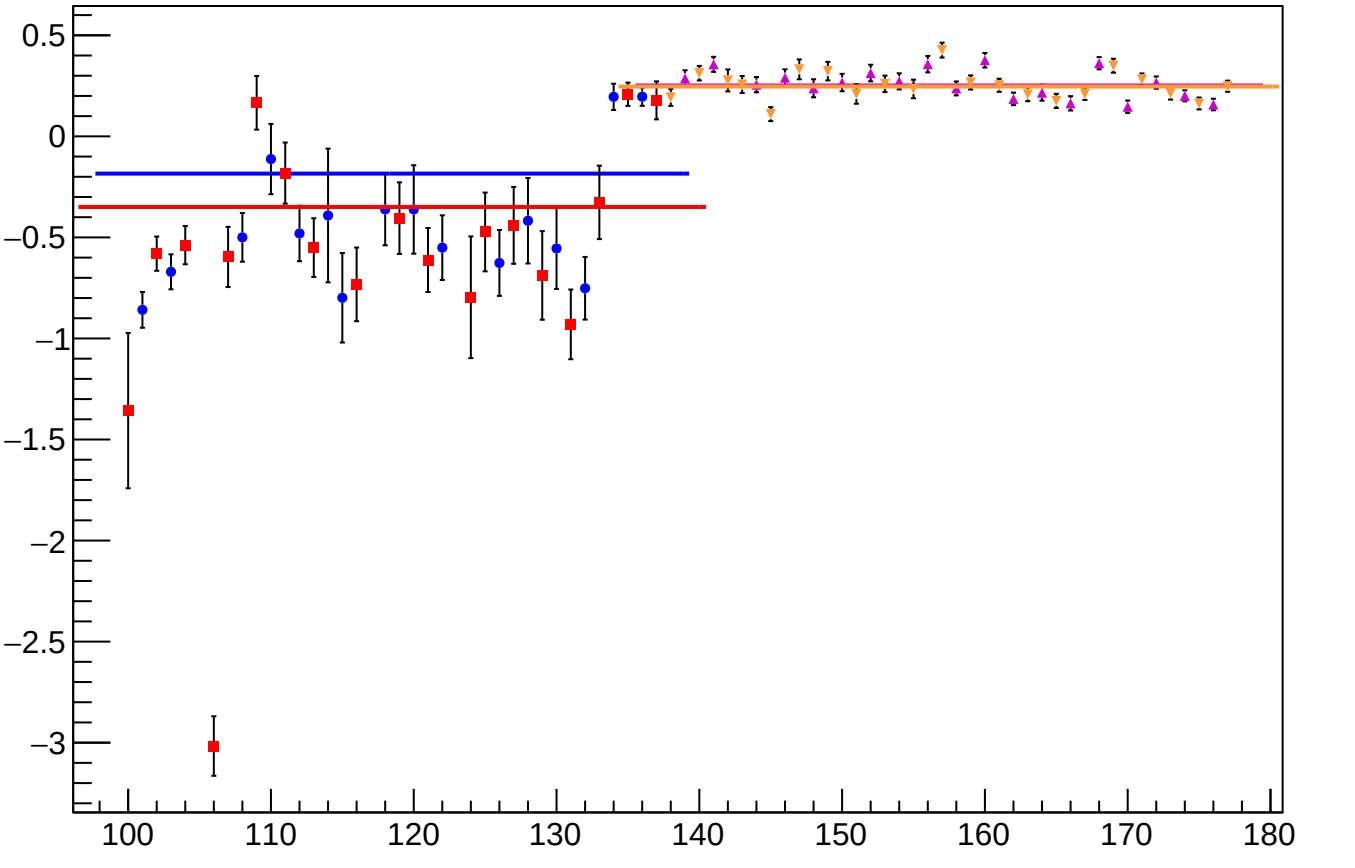
Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -18.795+/-0.182 χ^2/NDF:1632.1/18

+ sign -17.889+/-0.164 χ^2/NDF: 2165.7/36

All: -17.749+/-0.119 χ^2/NDF: 4595.1/74

- sign -17.594+/-0.173 χ^2/NDF: 2427.9/37



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.247+/-0.008 χ^2/NDF:78.0/20

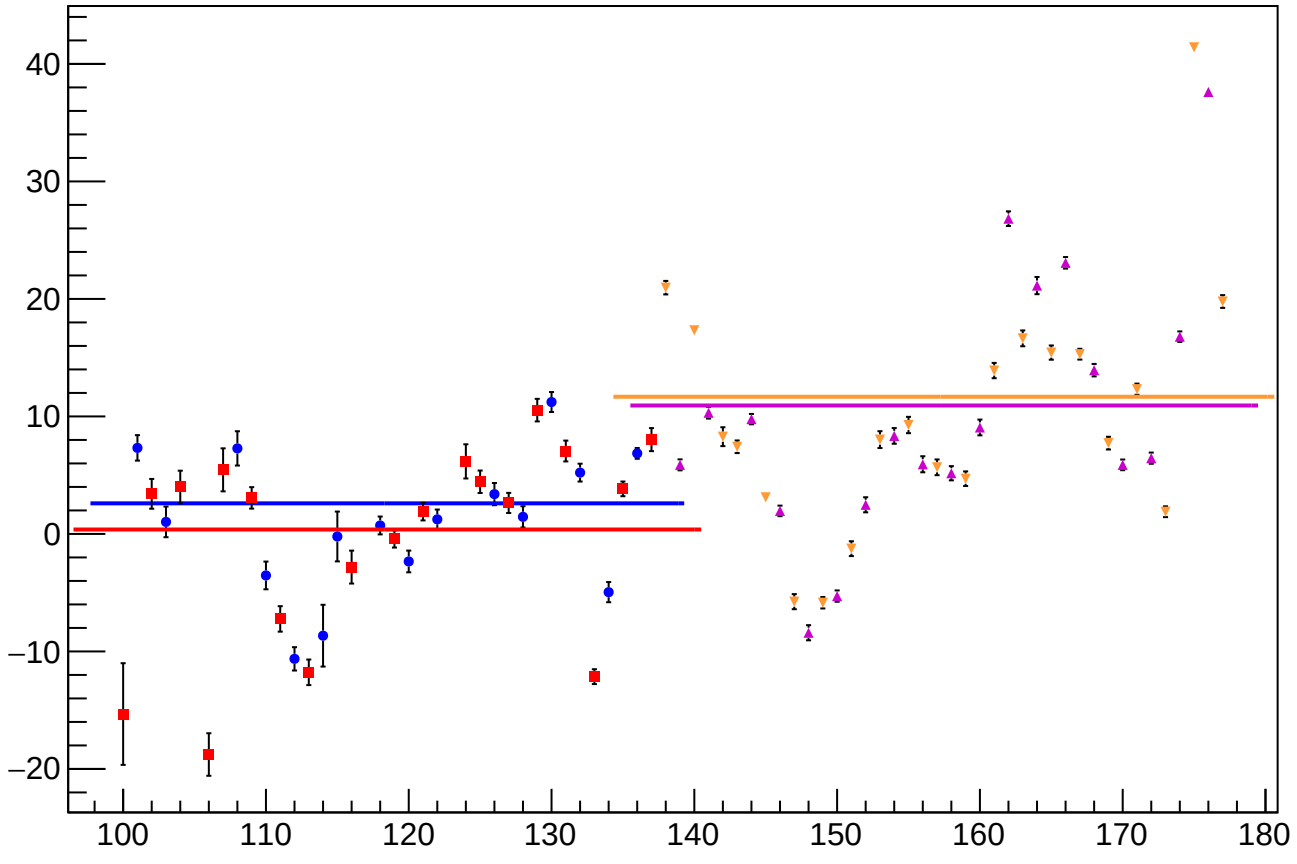
Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.252+/-0.008 χ^2/NDF:82.2/18

+ sign 0.212+/-0.008 χ^2/NDF: 563.9/36

All: 0.211+/-0.005 χ^2/NDF: 1553.4/74

- sign 0.209+/-0.008 χ^2/NDF: 989.4/37



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 11.675+/-0.117 χ^2/NDF:10219.6/20

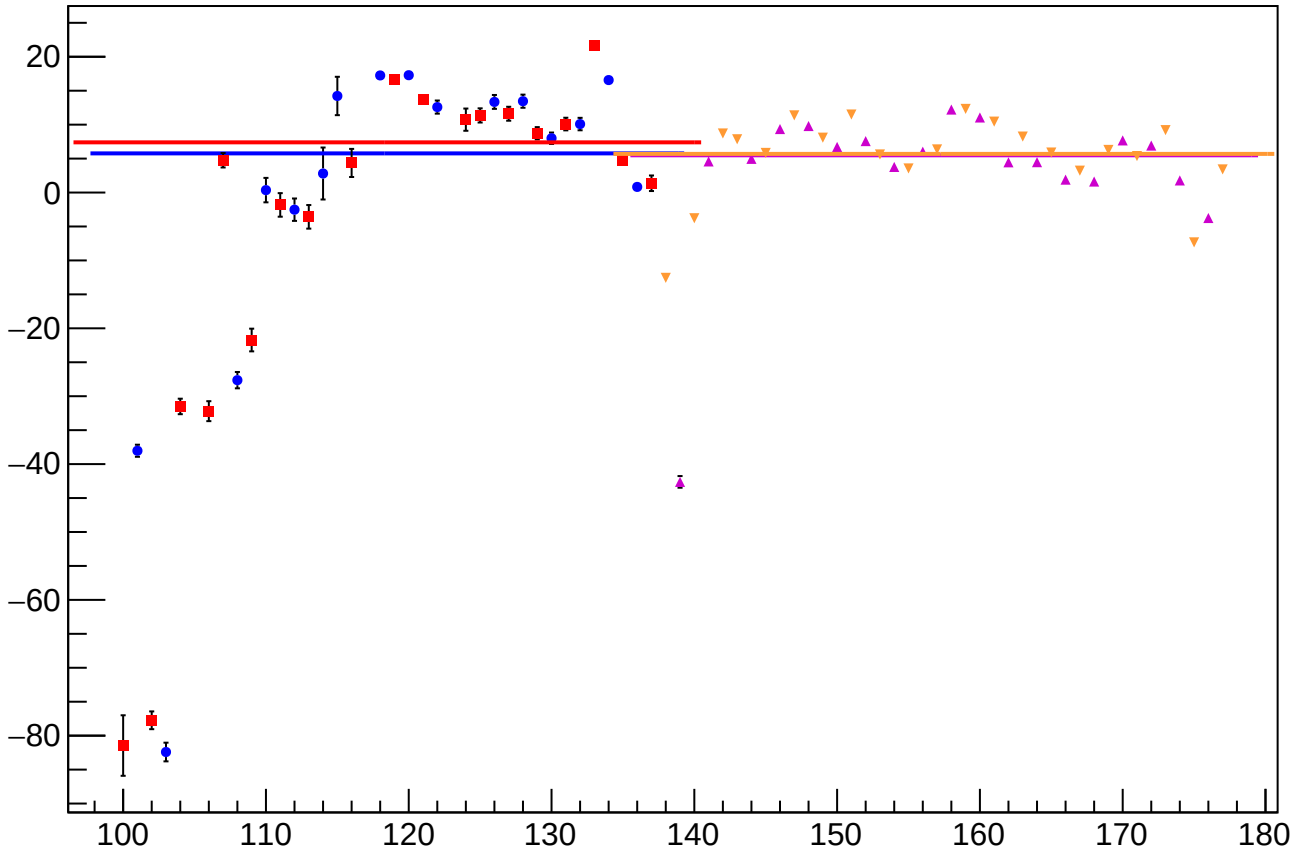
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 10.930+/-0.120 χ^2/NDF:8615.0/18

+ sign 9.723+/-0.104 χ^2/NDF: 12078.6/36

All: 9.140+/-0.074 χ^2/NDF: 23531.9/74

- sign 8.536+/-0.106 χ^2/NDF: 11389.3/37



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.692+/-0.086 χ^2/NDF:4308.4/20

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

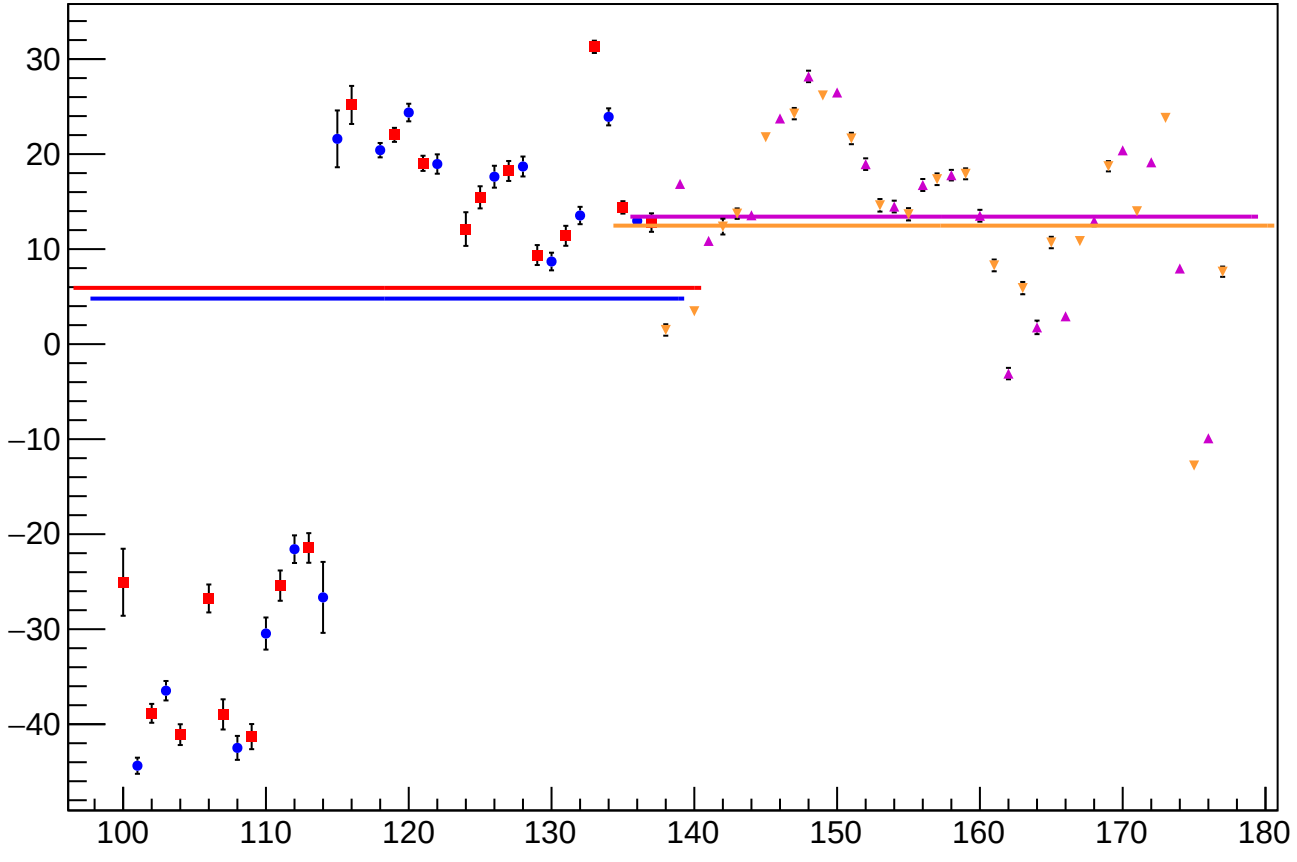
Left In: 5.486+/-0.089 χ^2/NDF:4896.2/18

\+ sign 5.703+/-0.079 χ^2/NDF: 13242.3/36

All: 5.740+/-0.057 χ^2/NDF: 26600.2/74

\- sign 5.779+/-0.082 χ^2/NDF: 13357.4/37

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 12.471+/-0.116 χ^2/NDF:8041.6/20

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

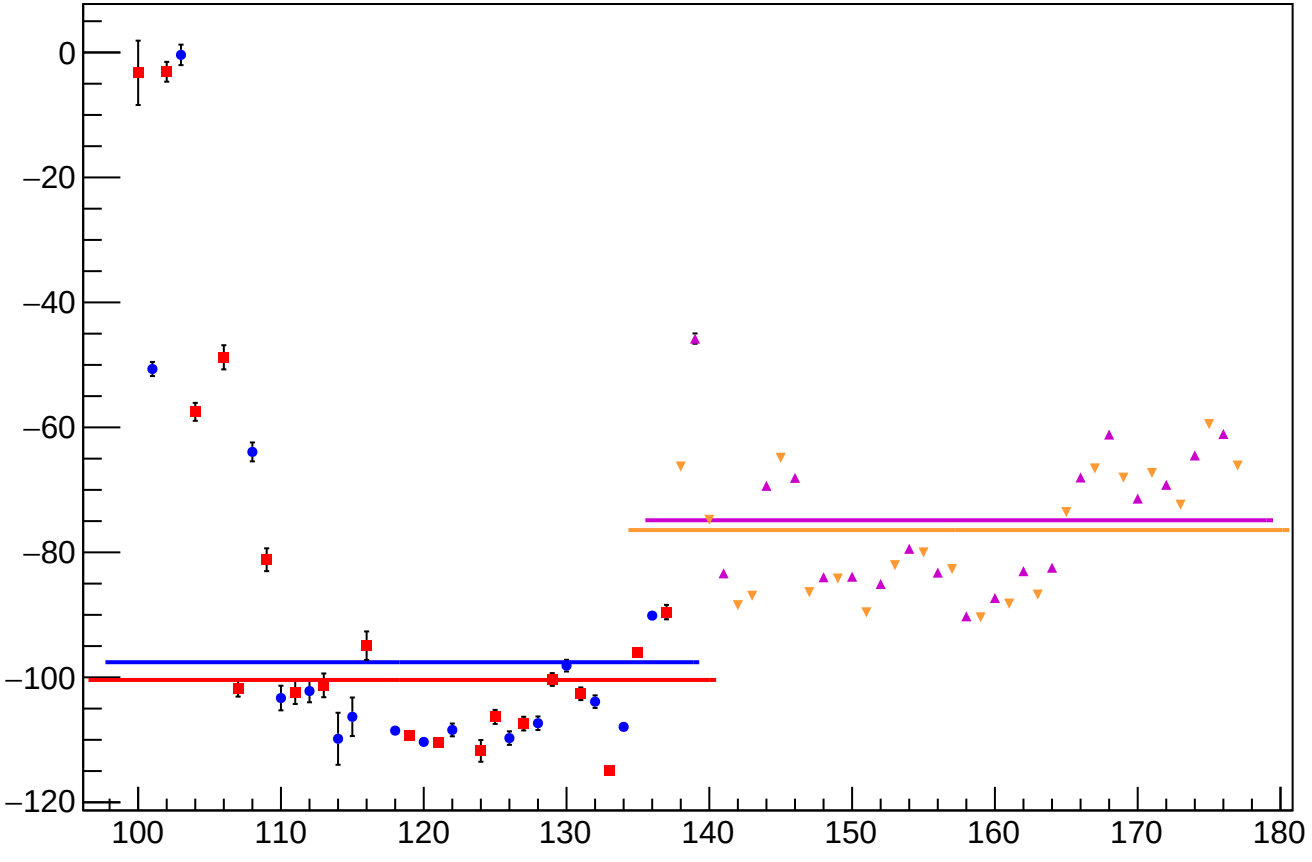
Left In: 13.417+/-0.119 χ^2/NDF:7242.1/18

+ sign 10.988+/-0.104 χ^2/NDF: 18382.2/36

All: 11.453+/-0.075 χ^2/NDF: 36507.8/74

- sign 11.937+/-0.107 χ^2/NDF: 18085.2/37

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -76.431+/-0.098 χ^2/NDF:10353.7/20

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

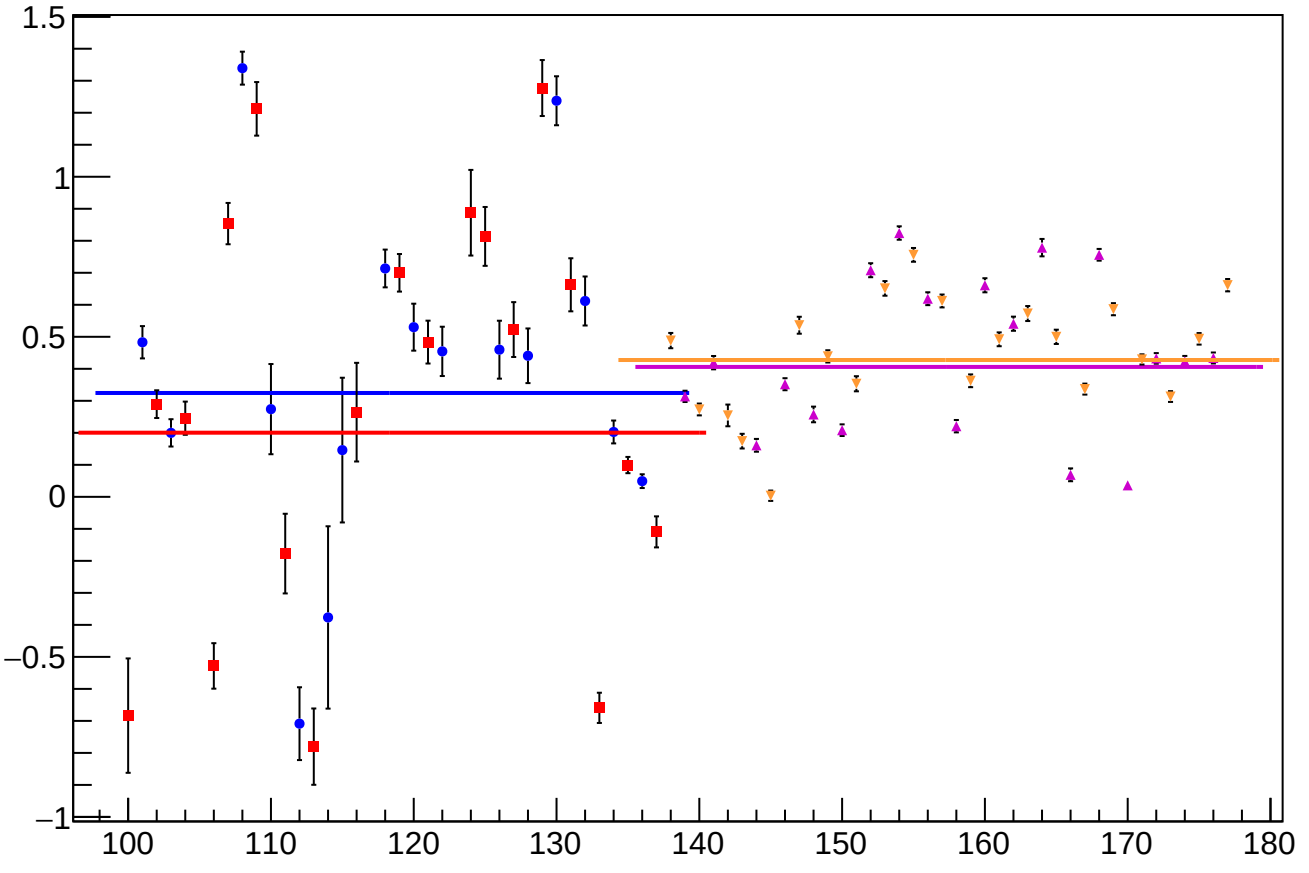
Left In: -74.862+/-0.101 χ^2/NDF:9415.5/18

+ sign -79.405+/-0.091 χ^2/NDF: 24079.3/36

All: -79.059+/-0.065 χ^2/NDF: 50201.4/74

- sign -78.693+/-0.093 χ^2/NDF: 26092.2/37

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.427+/-0.004 χ^2/NDF:1723.0/20

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

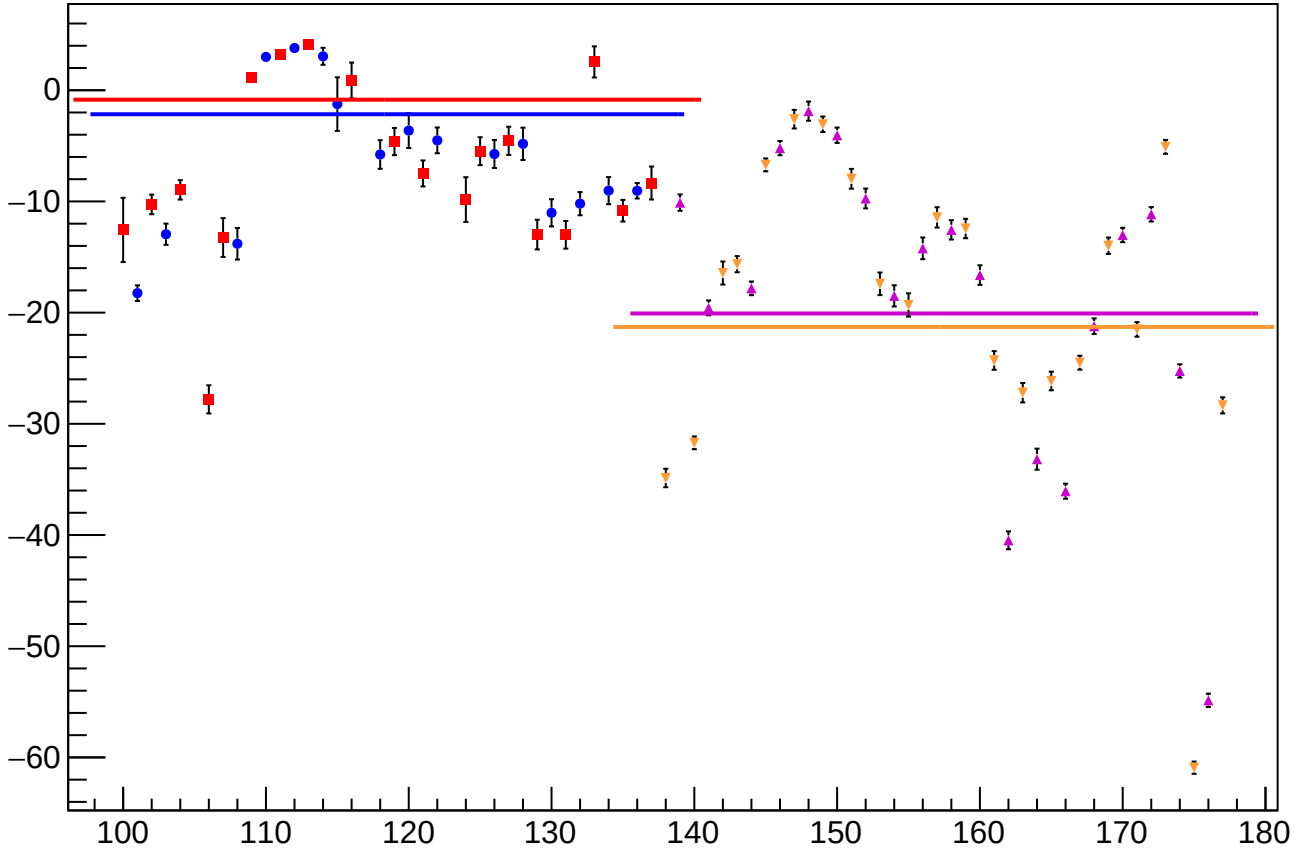
Left In: 0.406+/-0.004 χ^2/NDF:2701.3/18

+ sign 0.417+/-0.004 χ^2/NDF: 2663.6/36

All: 0.402+/-0.003 χ^2/NDF: 6797.3/74

- sign 0.387+/-0.004 χ^2/NDF: 4107.2/37

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -21.291+/-0.162 χ^2/NDF:9117.0/20

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

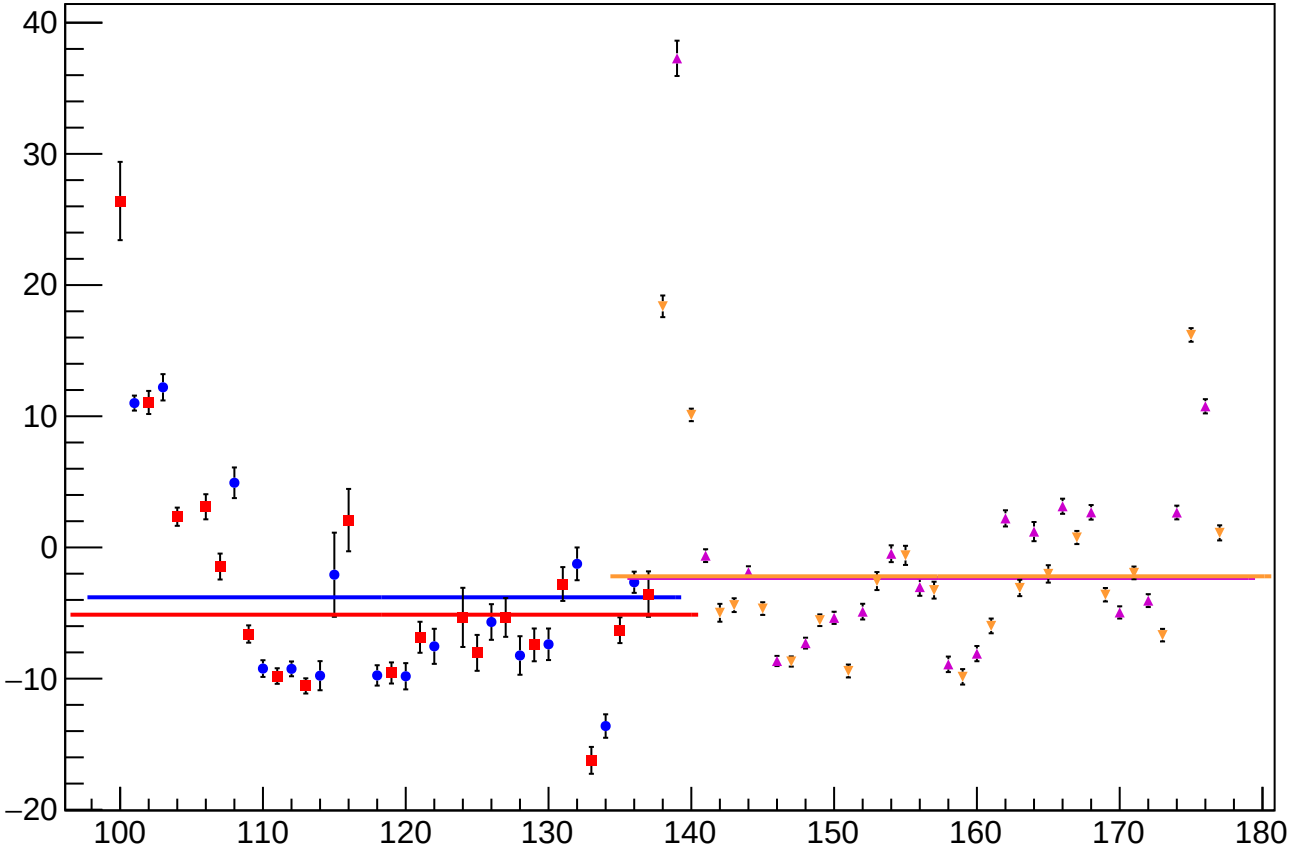
Left In: -20.077+/-0.167 χ^2/NDF:7082.0/18

+ sign -13.326+/-0.124 χ^2/NDF: 16404.7/36

All: -11.937+/-0.086 χ^2/NDF: 31684.6/74

- sign -10.648+/-0.119 χ^2/NDF: 15037.4/37

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -2.200+/-0.118 χ^2/NDF:3536.9/20

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

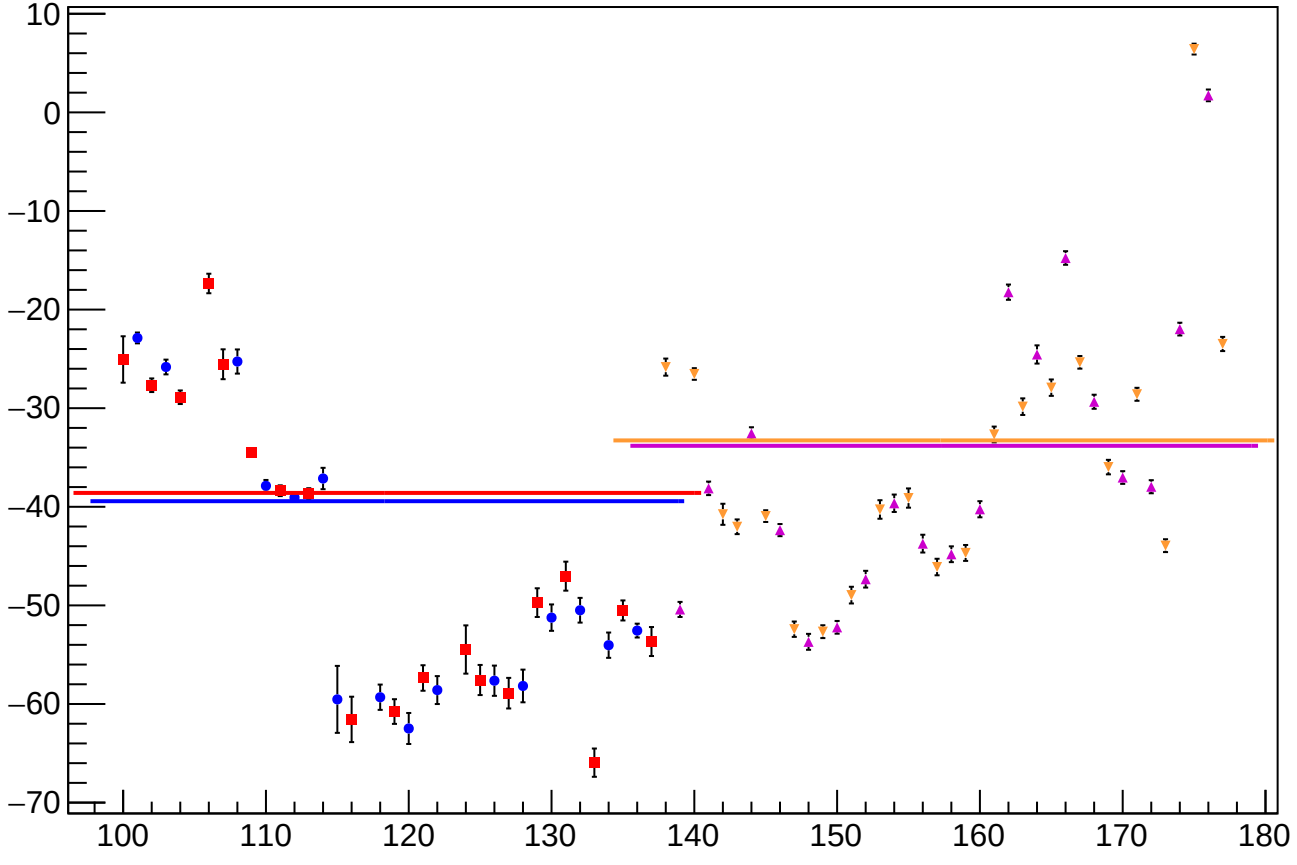
Left In: -2.323+/-0.123 χ^2/NDF:2545.2/18

+ sign -2.543+/-0.104 χ^2/NDF: 5001.9/36

All: -2.763+/-0.075 χ^2/NDF: 8661.7/74

- sign -2.993+/-0.107 χ^2/NDF: 3650.7/37

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -33.269+/-0.161 χ^2/NDF:8853.8/20

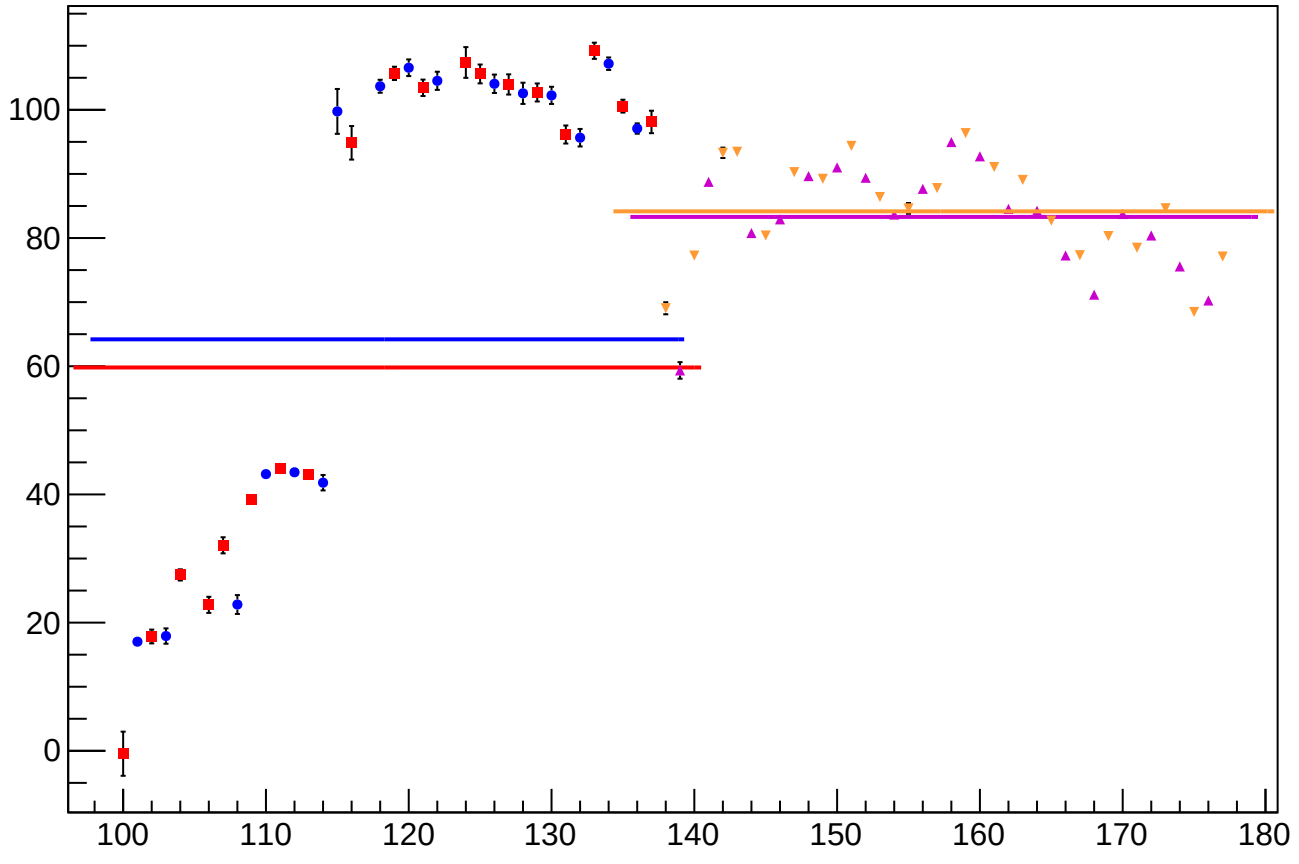
Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -33.814+/-0.165 χ^2/NDF:8052.7/18

+ sign -35.342+/-0.131 χ^2/NDF: 12307.7/36

All: -35.479+/-0.092 χ^2/NDF: 23449.7/74

- sign -35.615+/-0.130 χ^2/NDF: 11139.9/37



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.164+/-0.134 χ^2/NDF:3175.2/20

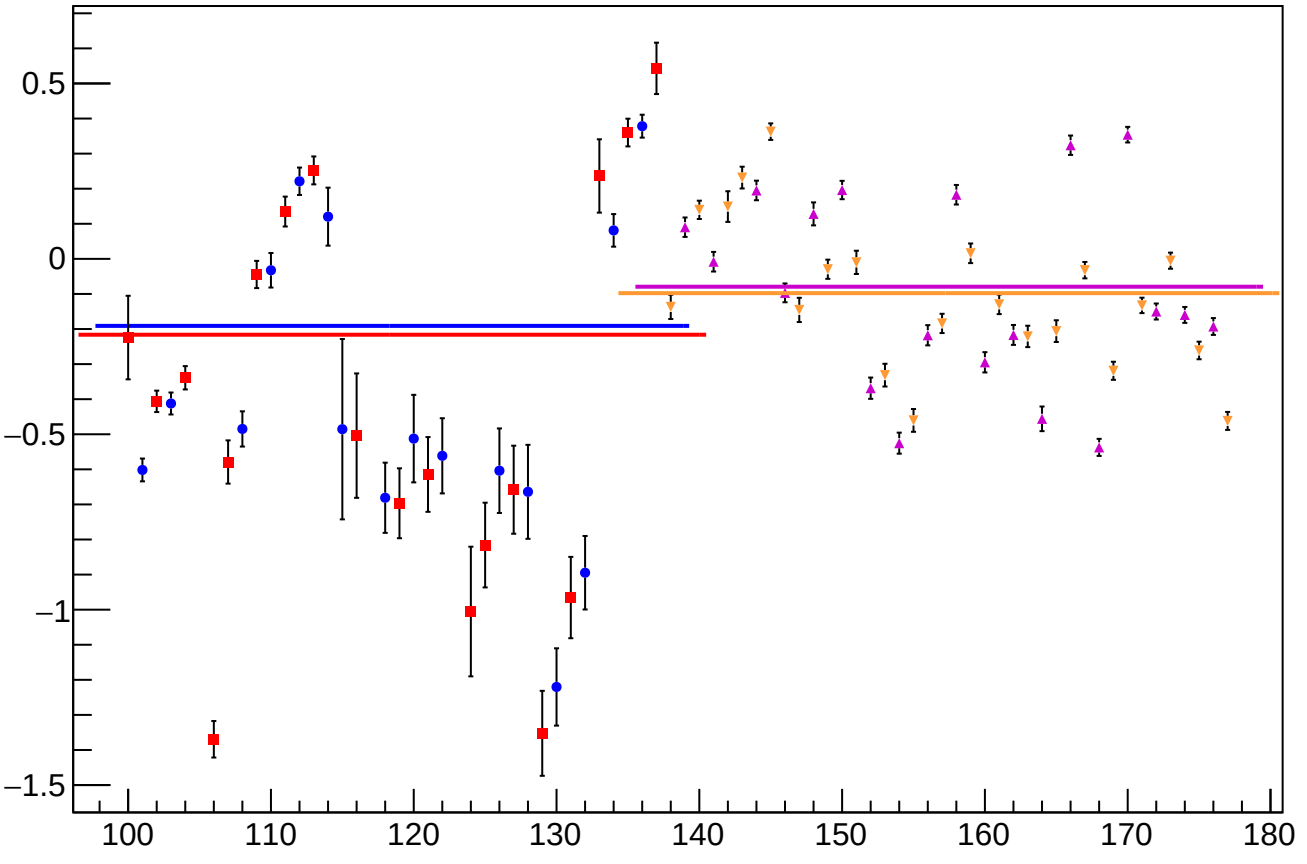
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 83.293+/-0.140 χ^2/NDF:2653.9/18

+ sign 79.890+/-0.119 χ^2/NDF: 26498.0/36

All: 78.805+/-0.085 χ^2/NDF: 53535.7/74

- sign 77.672+/-0.122 χ^2/NDF: 26868.0/37



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.098+/-0.006 χ^2/NDF:1203.4/20

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

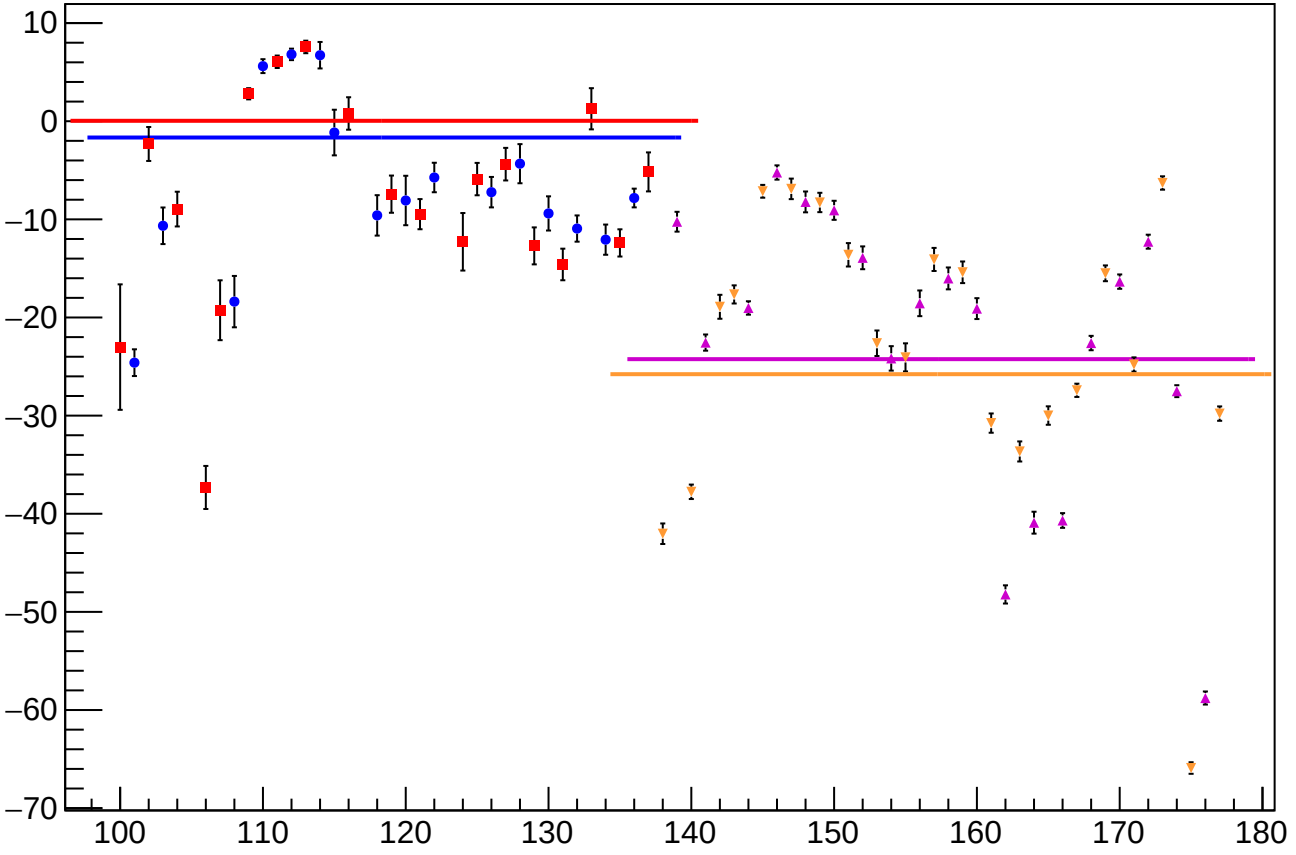
Left In: -0.079+/-0.006 χ^2/NDF:1900.2/18

+ sign -0.114+/-0.006 χ^2/NDF: 2161.8/36

All: -0.109+/-0.004 χ^2/NDF: 5522.5/74

- sign -0.105+/-0.006 χ^2/NDF: 3359.4/37

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -25.778+/-0.189 χ^2/NDF:8132.4/20

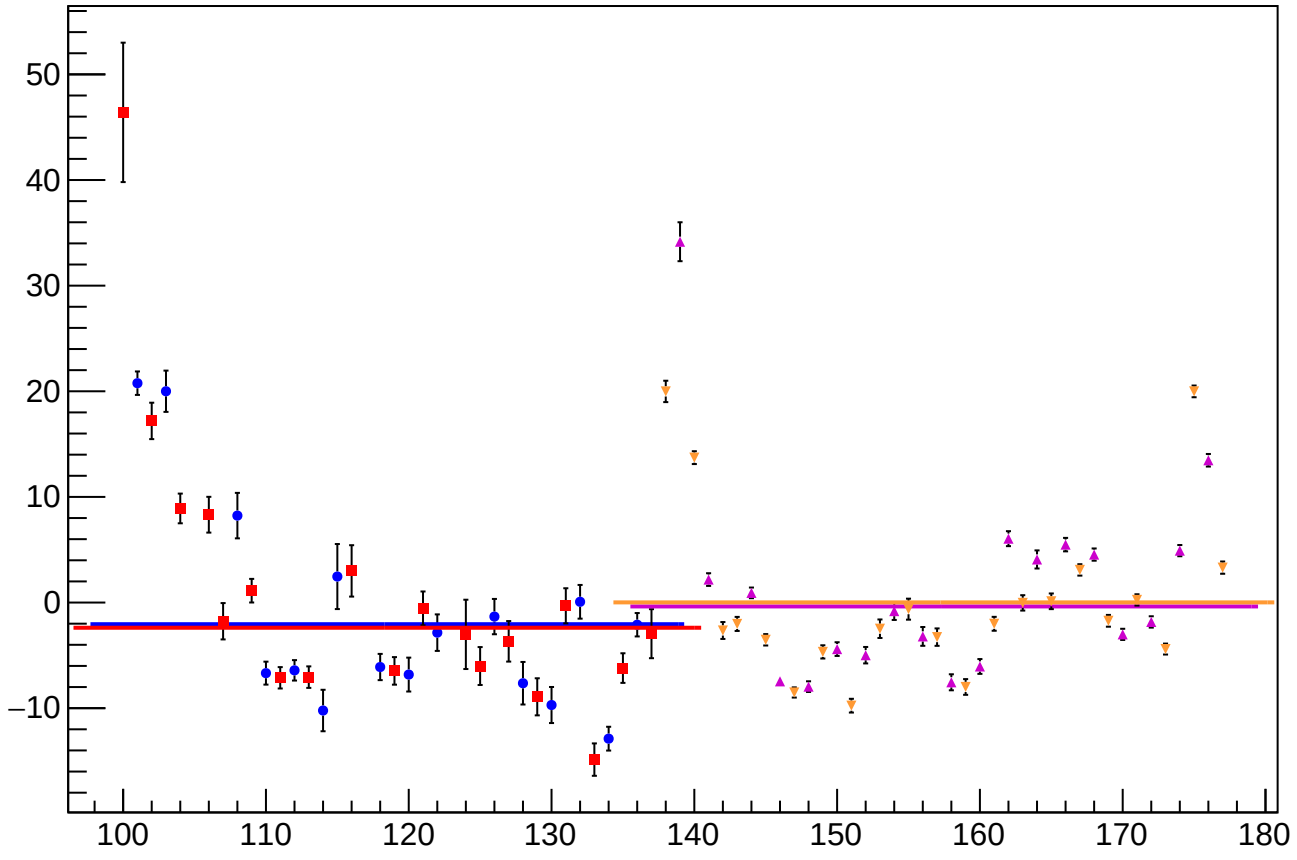
Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -24.246+/-0.194 χ^2/NDF:6074.6/18

+ sign -19.163+/-0.161 χ^2/NDF: 13480.0/36

All: -17.782+/-0.114 χ^2/NDF: 25663.4/74

- sign -16.424+/-0.160 χ^2/NDF: 12038.2/37



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 0.015+/-0.139 χ^2/NDF:3145.2/20

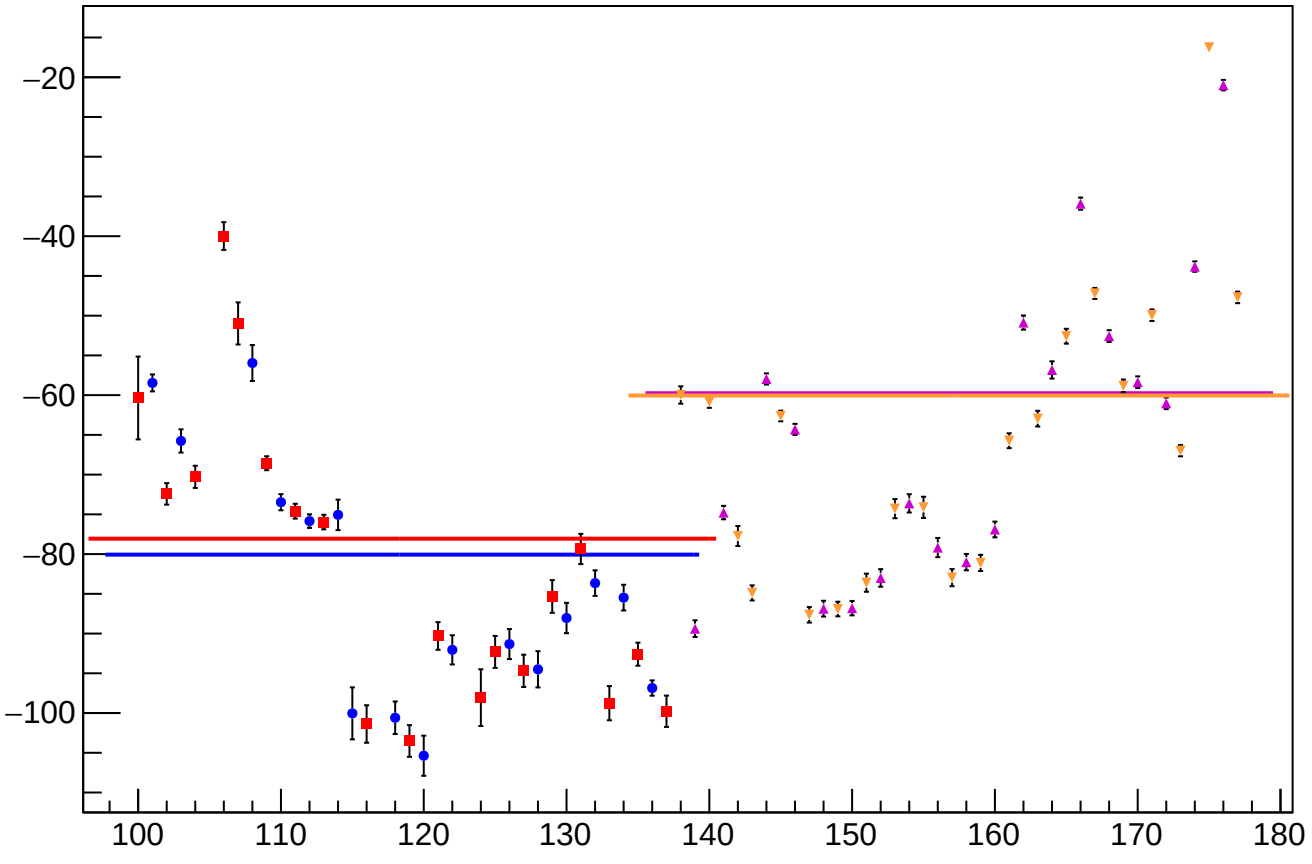
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -0.368+/-0.143 χ^2/NDF:2049.2/18

+ sign -0.257+/-0.129 χ^2/NDF: 3946.2/36

All: -0.448+/-0.093 χ^2/NDF: 6478.6/74

- sign -0.649+/-0.133 χ^2/NDF: 2527.9/37



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -60.046+/-0.188 χ^2/NDF:10658.8/20

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

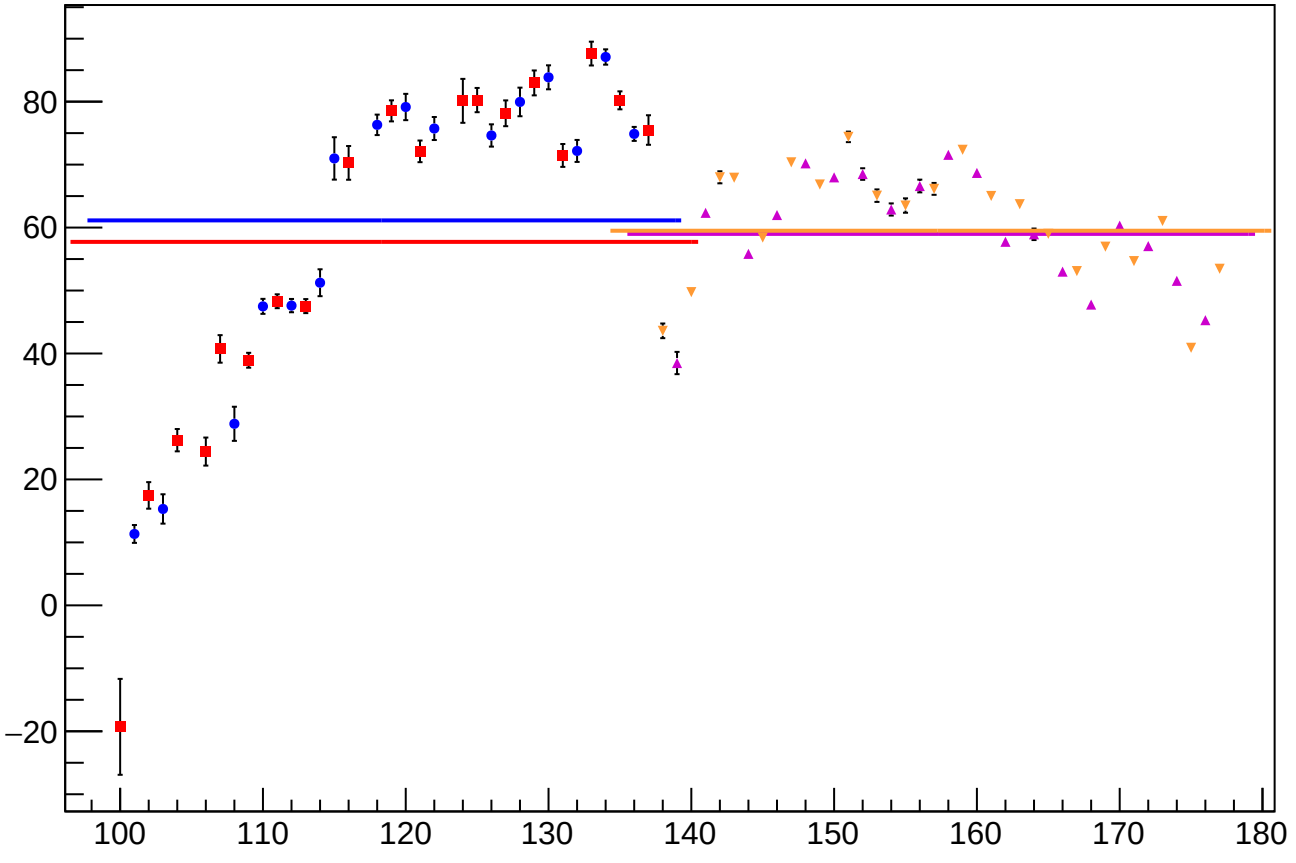
Left In: -59.760+/-0.193 χ^2/NDF:9595.9/18

+ sign -64.264+/-0.167 χ^2/NDF: 14429.0/36

All: -64.117+/-0.119 χ^2/NDF: 27651.1/74

- sign -63.966+/-0.169 χ^2/NDF: 13220.6/37

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 59.497+/-0.158 χ^2/NDF:3022.9/20

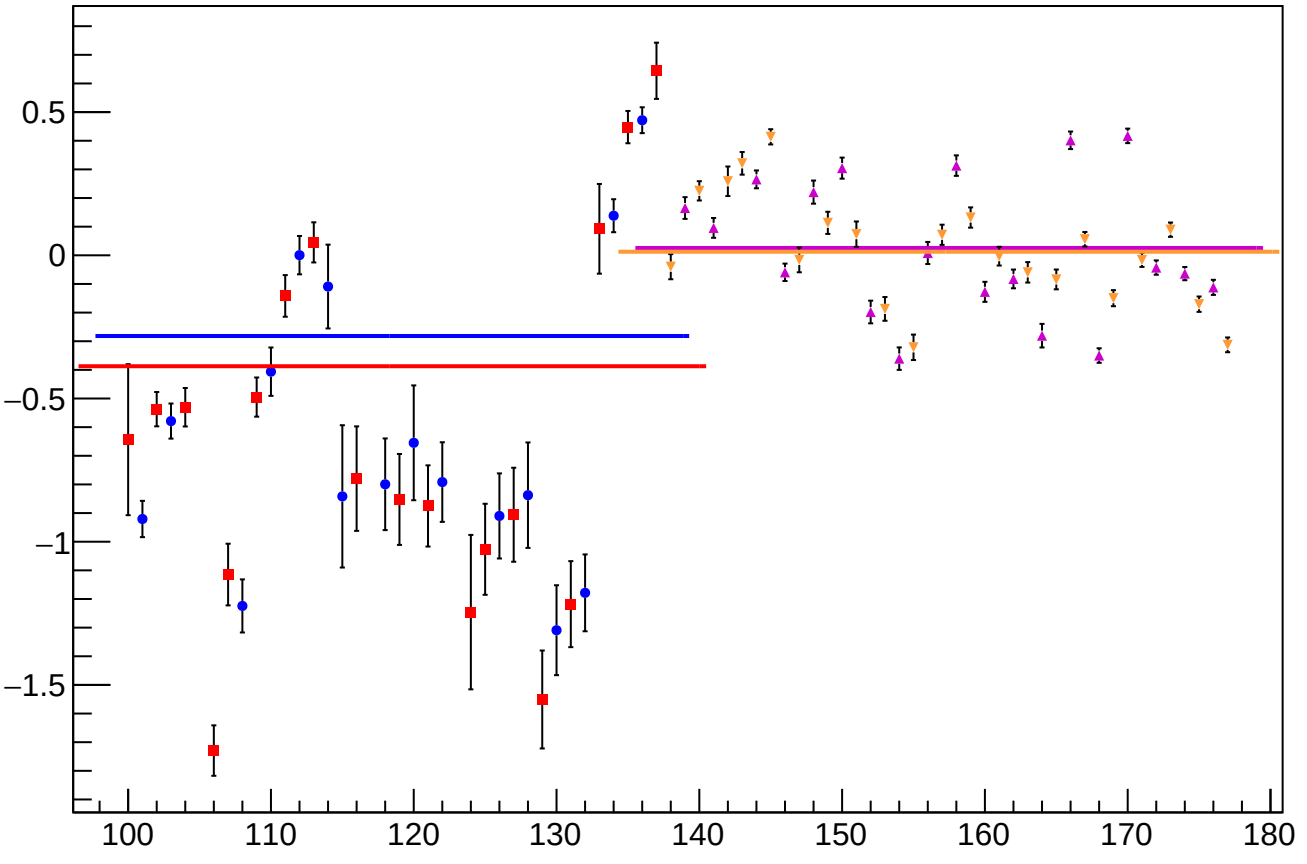
Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 58.997+/-0.162 χ^2/NDF:2218.5/18

\+ sign 59.717+/-0.147 χ^2/NDF: 6266.8/36

All: 59.279+/-0.105 χ^2/NDF: 11287.9/74

\- sign 58.817+/-0.150 χ^2/NDF: 5002.8/37



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.013+/-0.007 χ^2/NDF:719.9/20

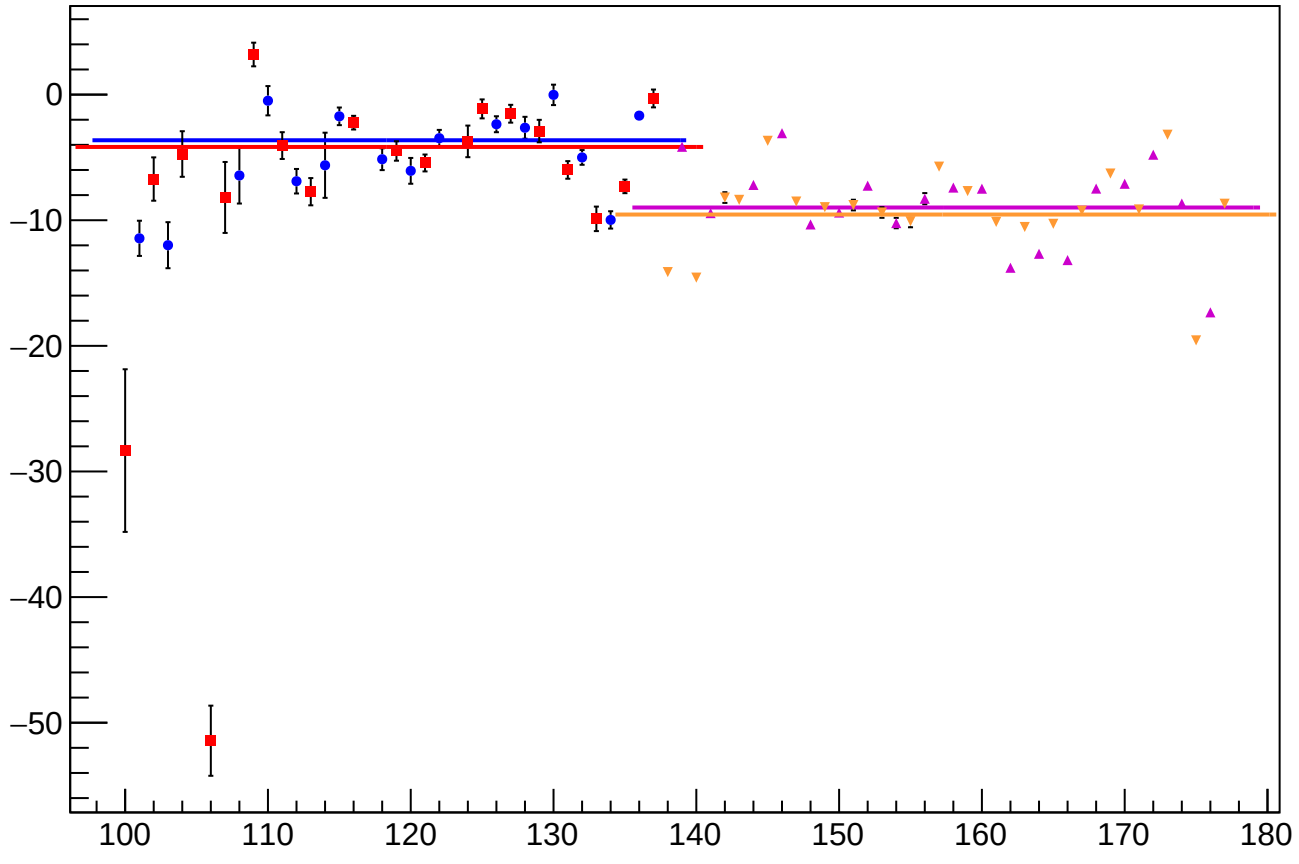
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.026+/-0.007 χ^2/NDF:1102.9/18

+ sign -0.016+/-0.007 χ^2/NDF: 1615.2/36

All: -0.015+/-0.005 χ^2/NDF: 3857.3/74

- sign -0.015+/-0.007 χ^2/NDF: 2242.2/37



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.547+/-0.061 χ^2/NDF:5485.6/20

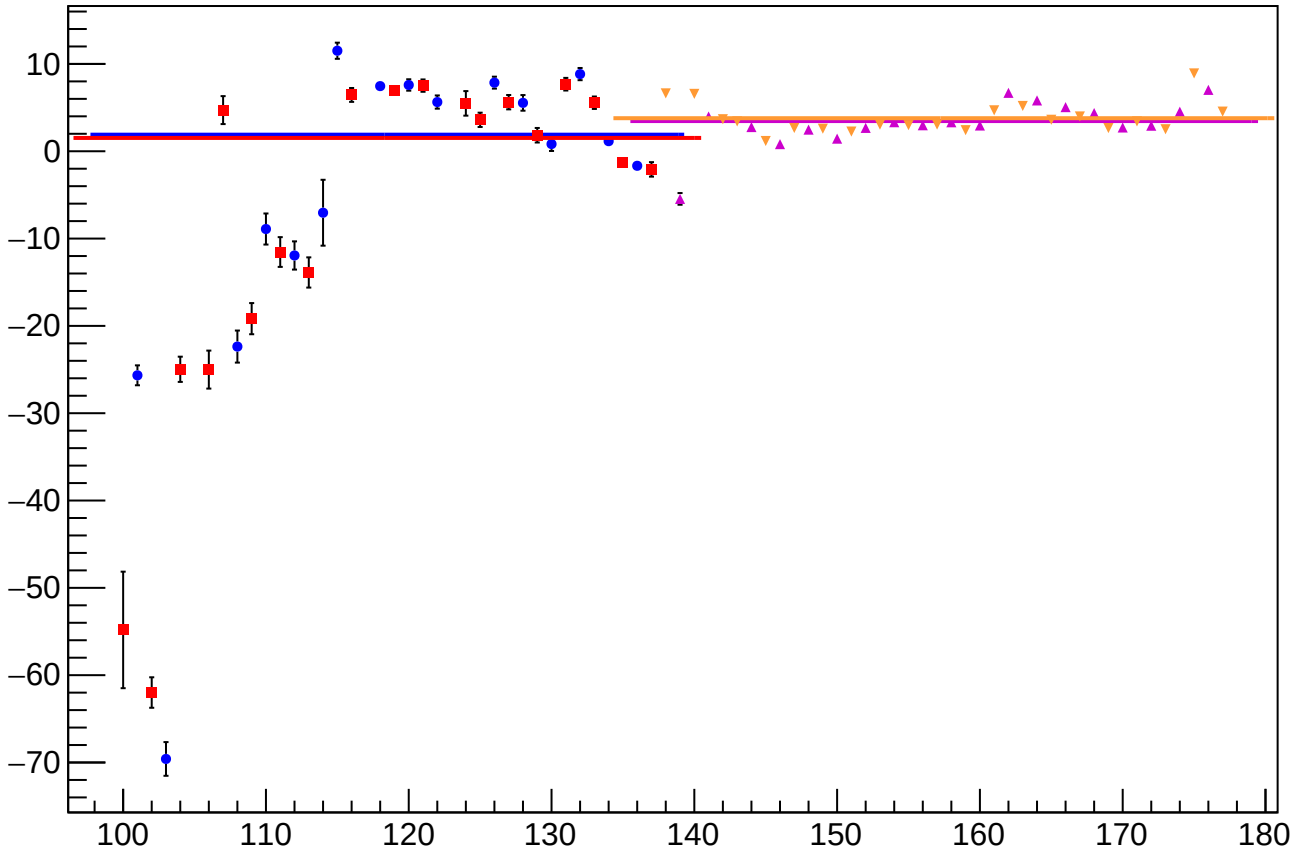
Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.987+/-0.063 χ^2/NDF:3769.3/18

+ sign -8.985+/-0.058 χ^2/NDF: 6605.8/36

All: -8.776+/-0.042 χ^2/NDF: 11463.2/74

- sign -8.556+/-0.060 χ^2/NDF: 4830.9/37



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.785+/-0.045 χ^2/NDF:1674.5/20

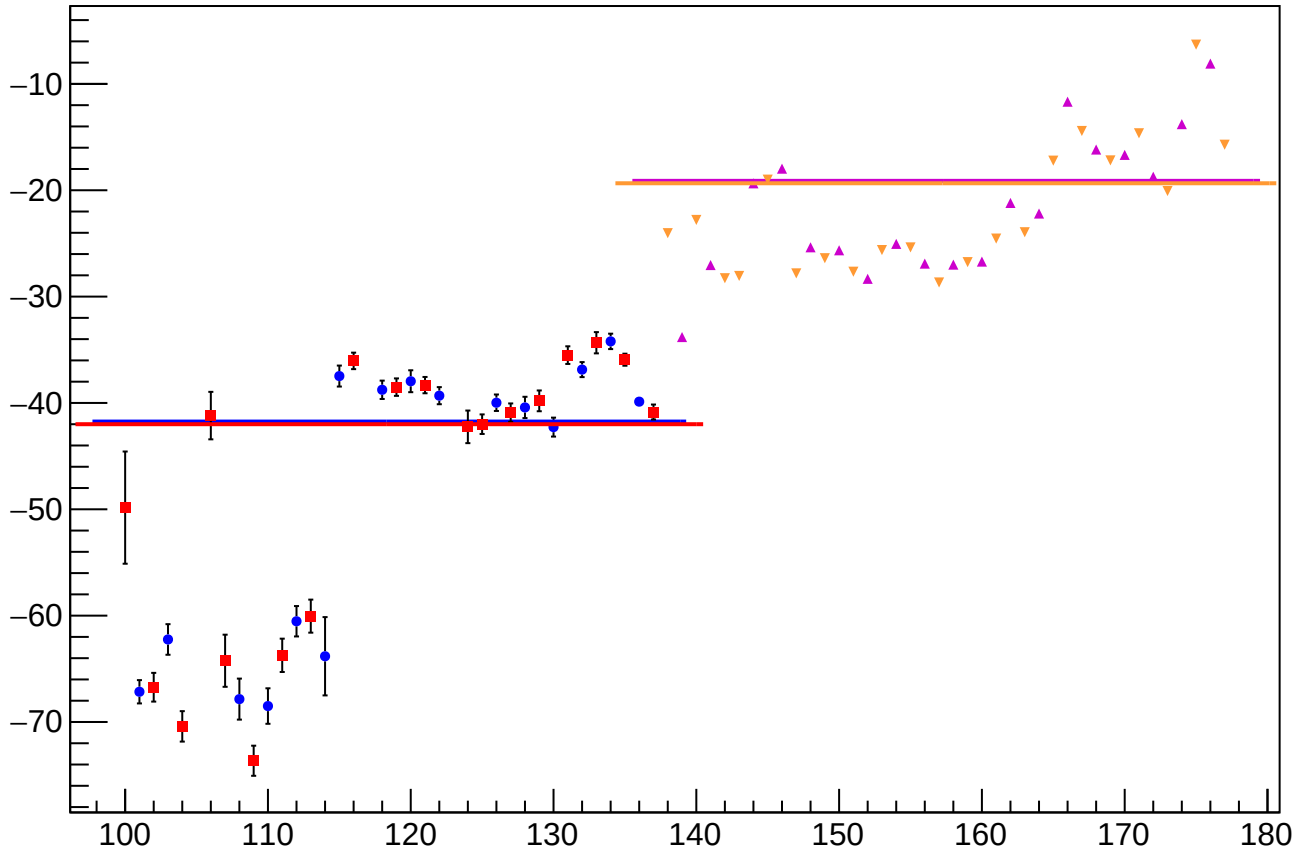
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.458+/-0.046 χ^2/NDF:1520.4/18

+ sign 3.683+/-0.044 χ^2/NDF: 4606.9/36

All: 3.529+/-0.031 χ^2/NDF: 8794.3/74

- sign 3.367+/-0.045 χ^2/NDF: 4162.2/37



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -19.344+/-0.061 χ^2/NDF:11401.7/20

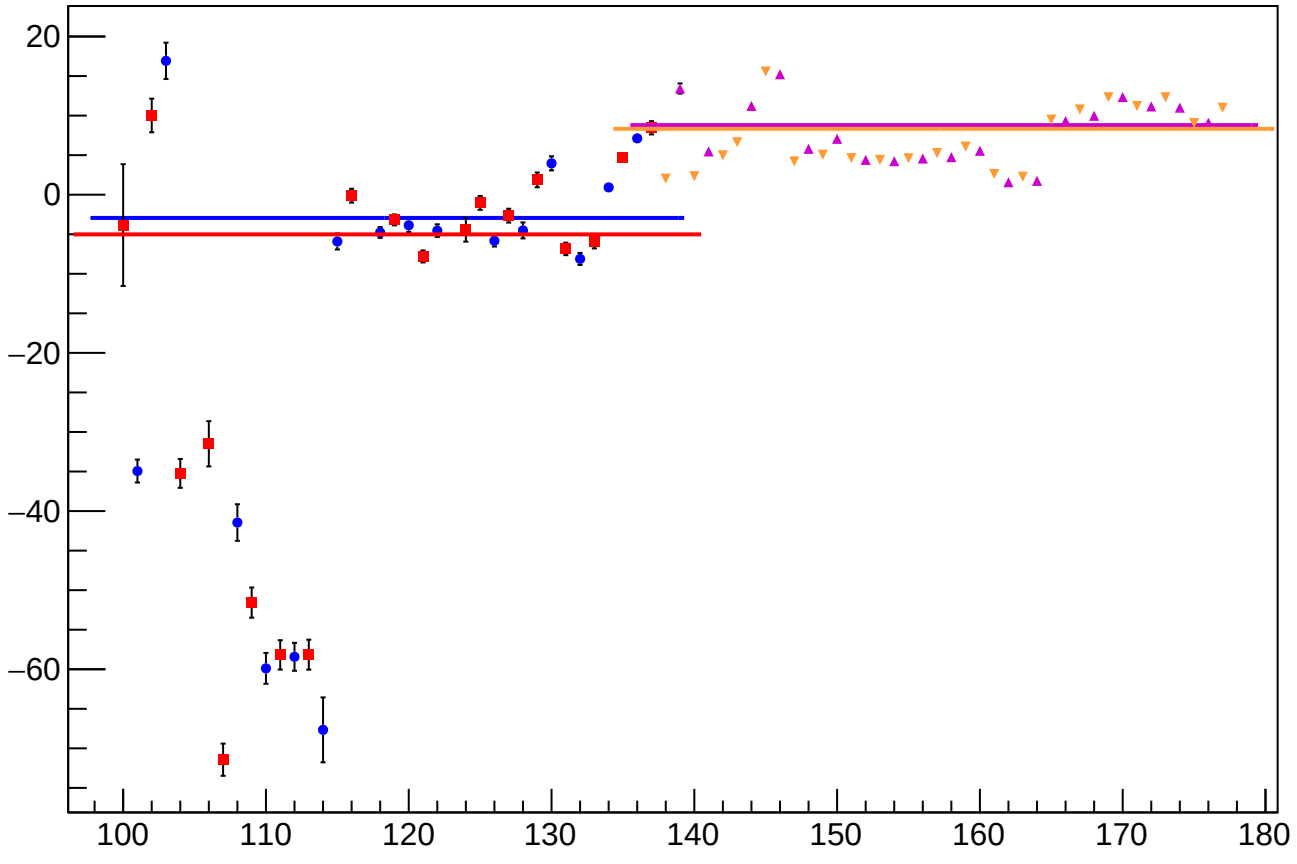
Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -19.117+/-0.062 χ^2/NDF:10192.1/18

+ sign -21.120+/-0.058 χ^2/NDF: 23759.1/36

All: -20.917+/-0.042 χ^2/NDF: 45313.7/74

- sign -20.702+/-0.060 χ^2/NDF: 21529.8/37



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.330+/-0.051 χ^2/NDF:6130.1/20

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

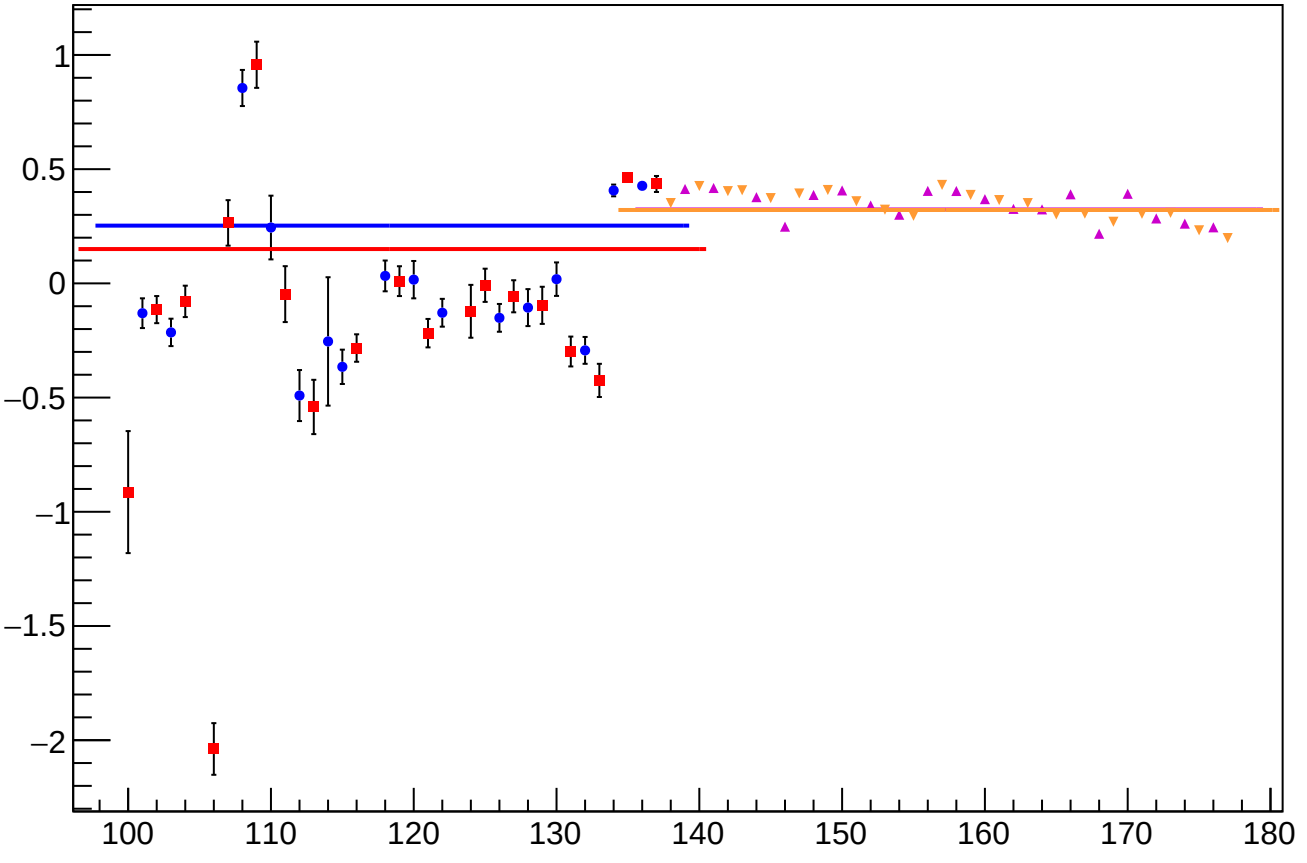
Left In: 8.797+/-0.052 χ^2/NDF:5305.4/18

+ sign 7.702+/-0.050 χ^2/NDF: 12582.1/36

All: 7.908+/-0.036 χ^2/NDF: 25680.3/74

- sign 8.127+/-0.051 χ^2/NDF: 13062.4/37

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.321+/-0.002 χ^2/NDF:806.1/20

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

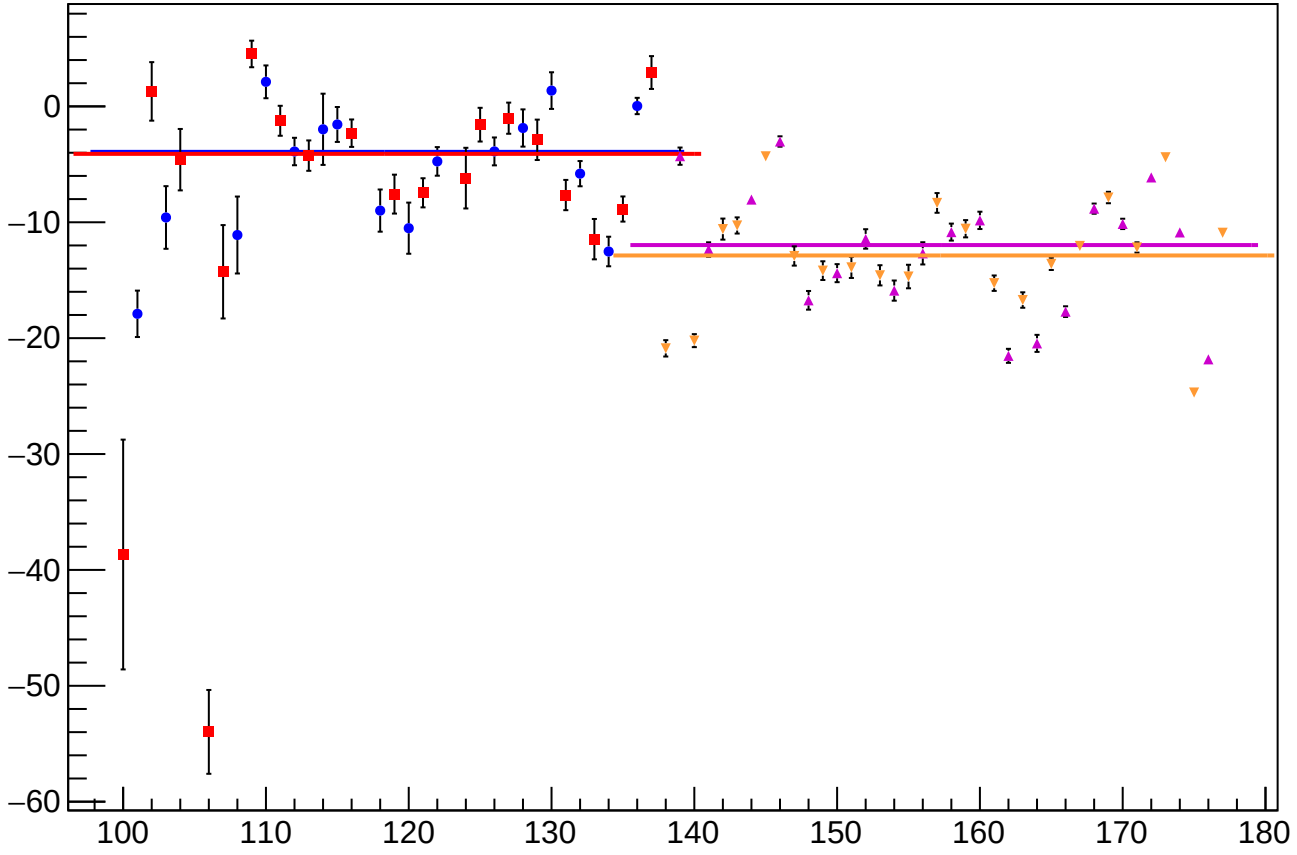
Left In: 0.324+/-0.002 χ^2/NDF:861.1/18

+ sign 0.319+/-0.002 χ^2/NDF: 1471.4/36

All: 0.319+/-0.002 χ^2/NDF: 3513.9/74

- sign 0.318+/-0.002 χ^2/NDF: 2042.5/37

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.864+/-0.121 χ^2/NDF:2611.2/20

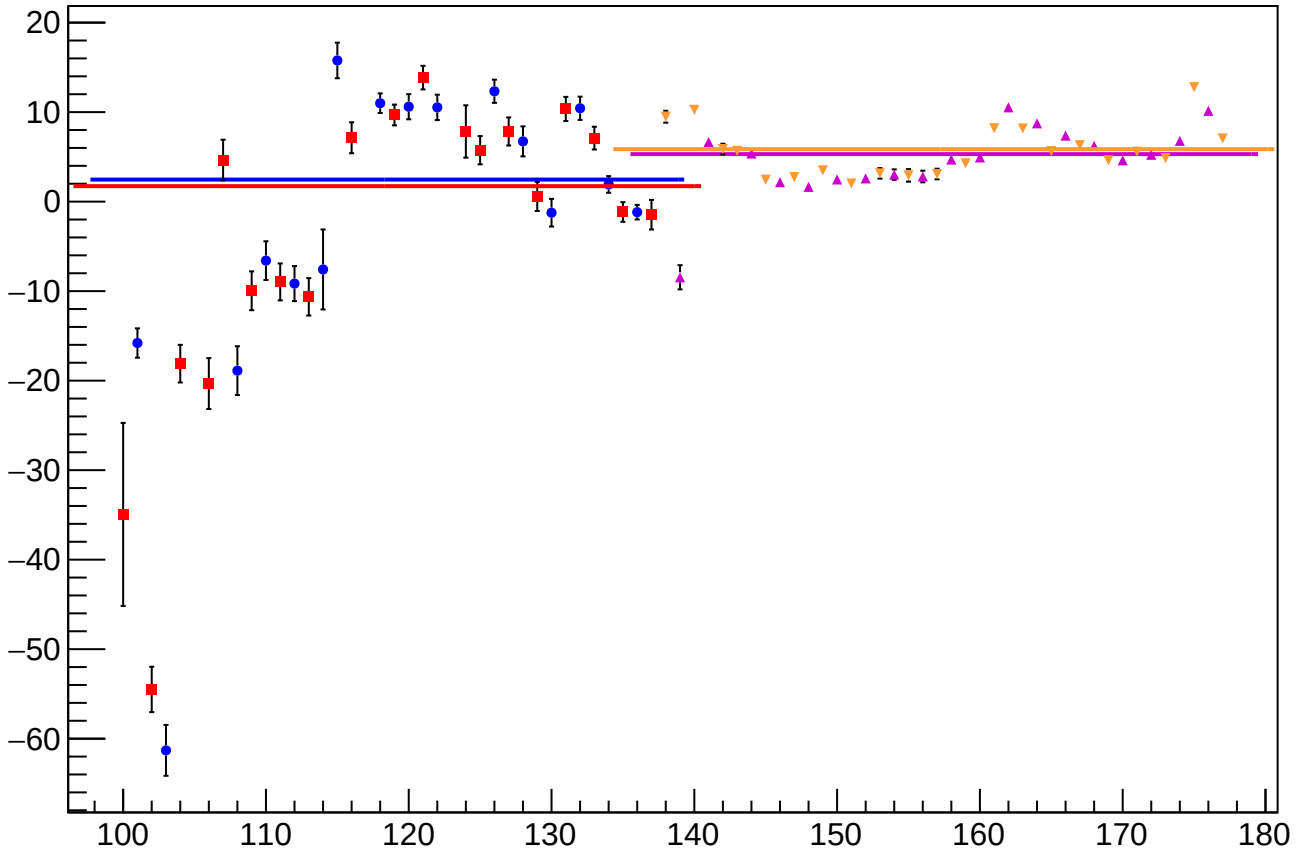
Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -11.967+/-0.124 χ^2/NDF:2094.5/18

+ sign -11.888+/-0.114 χ^2/NDF: 3394.7/36

All: -11.512+/-0.082 χ^2/NDF: 6312.2/74

- sign -11.118+/-0.117 χ^2/NDF: 2895.4/37



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.862+/-0.090 χ^2/NDF:1002.8/20

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

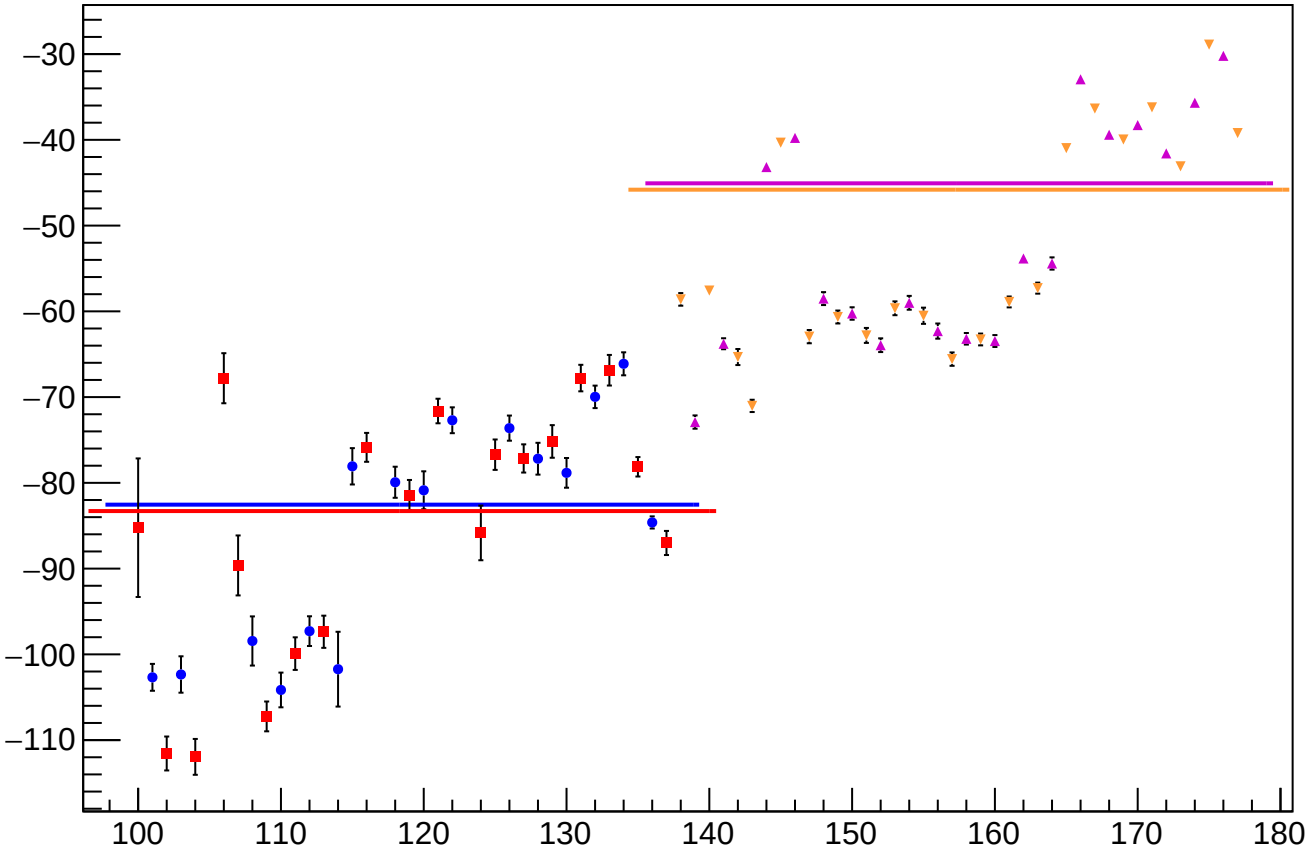
Left In: 5.307+/-0.092 χ^2/NDF:857.5/18

+ sign 5.657+/-0.088 χ^2/NDF: 2134.7/36

All: 5.392+/-0.063 χ^2/NDF: 4075.4/74

- sign 5.115+/-0.090 χ^2/NDF: 1921.9/37

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -45.813+/-0.121 χ^2/NDF:10298.9/20

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

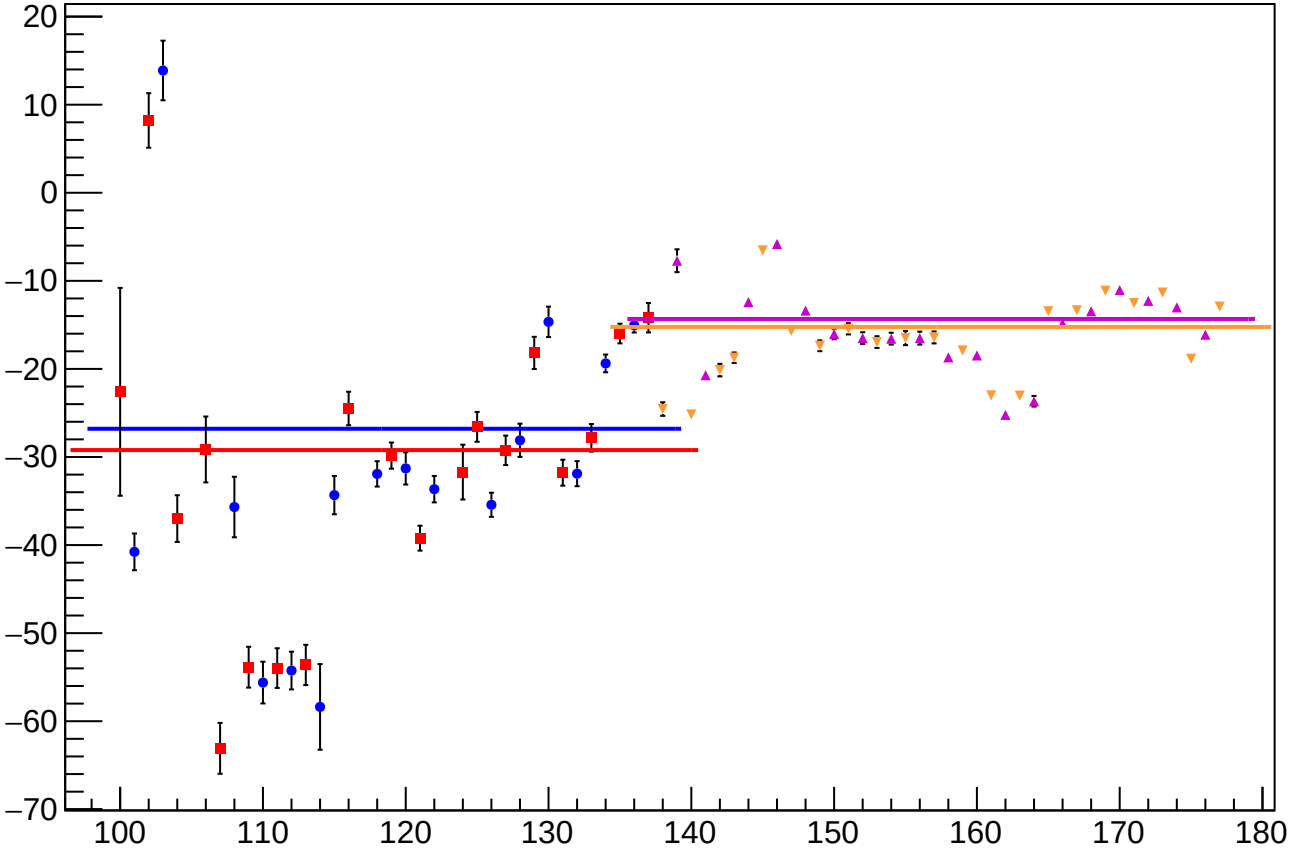
Left In: -45.071+/-0.124 χ^2/NDF:9339.9/18

+ sign -49.120+/-0.115 χ^2/NDF: 19449.0/36

All: -48.677+/-0.083 χ^2/NDF: 37725.0/74

- sign -48.208+/-0.119 χ^2/NDF: 18245.6/37

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.235+/-0.101 χ^2/NDF:2176.4/20

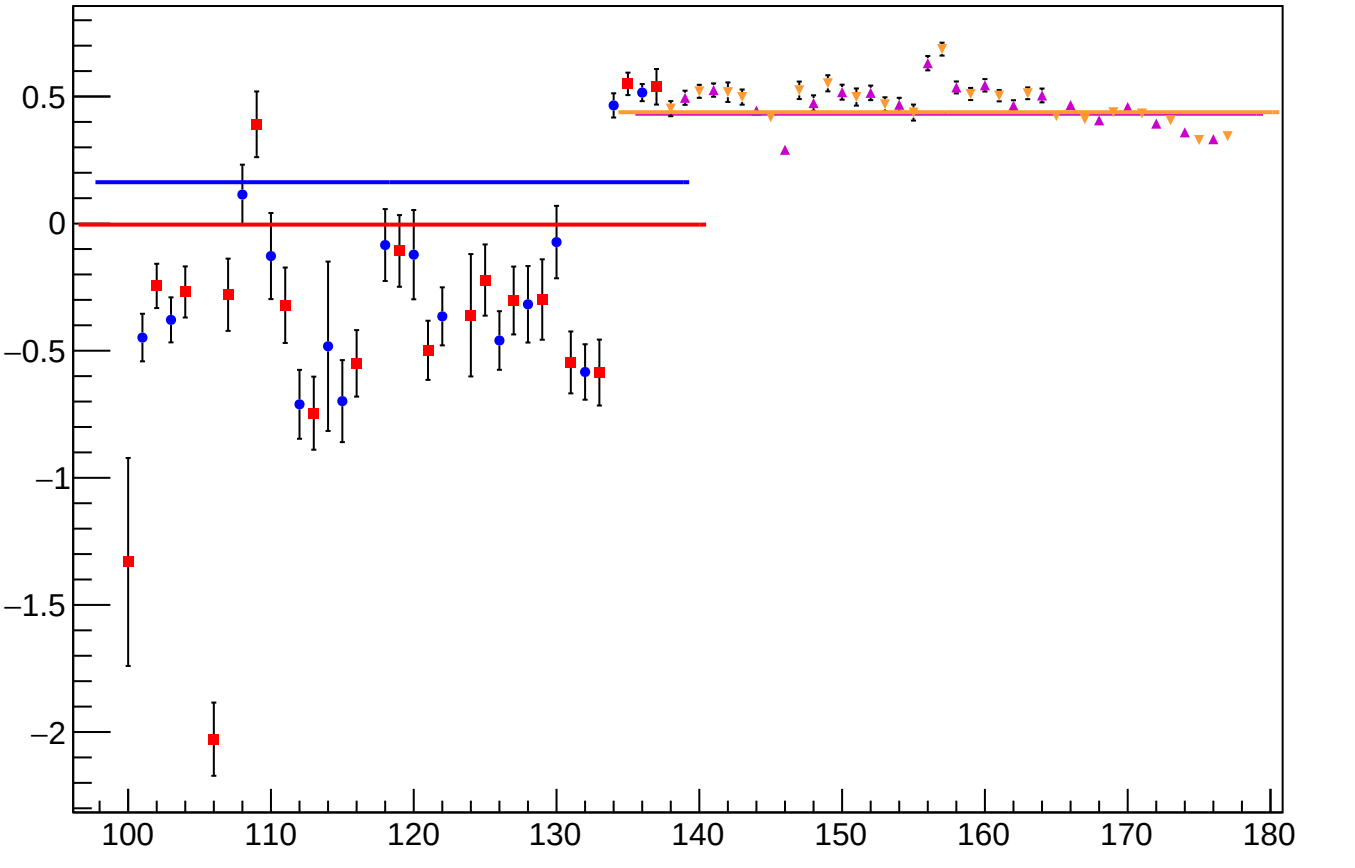
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.329+/-0.104 χ^2/NDF:1944.3/18

+ sign -15.948+/-0.098 χ^2/NDF: 3941.3/36

All: -15.561+/-0.070 χ^2/NDF: 8005.1/74

- sign -15.149+/-0.101 χ^2/NDF: 4031.8/37



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.438+/-0.005 χ^2/NDF:268.0/20

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

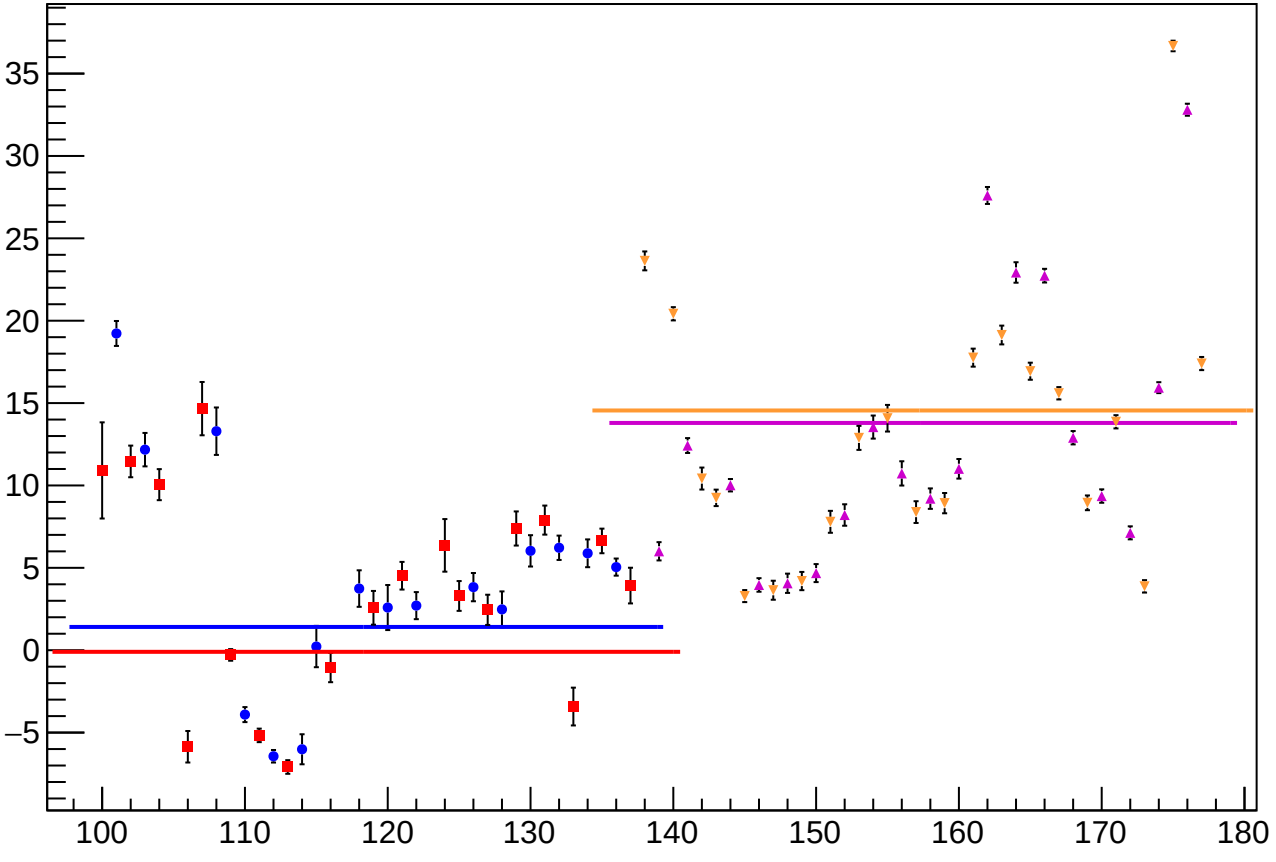
Left In: 0.432+/-0.005 χ^2/NDF:283.2/18

+ sign 0.426+/-0.004 χ^2/NDF: 849.0/36

All: 0.422+/-0.003 χ^2/NDF: 2016.1/74

- sign 0.417+/-0.005 χ^2/NDF: 1165.1/37

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: 14.552+/-0.105 χ^2/NDF:8424.4/20

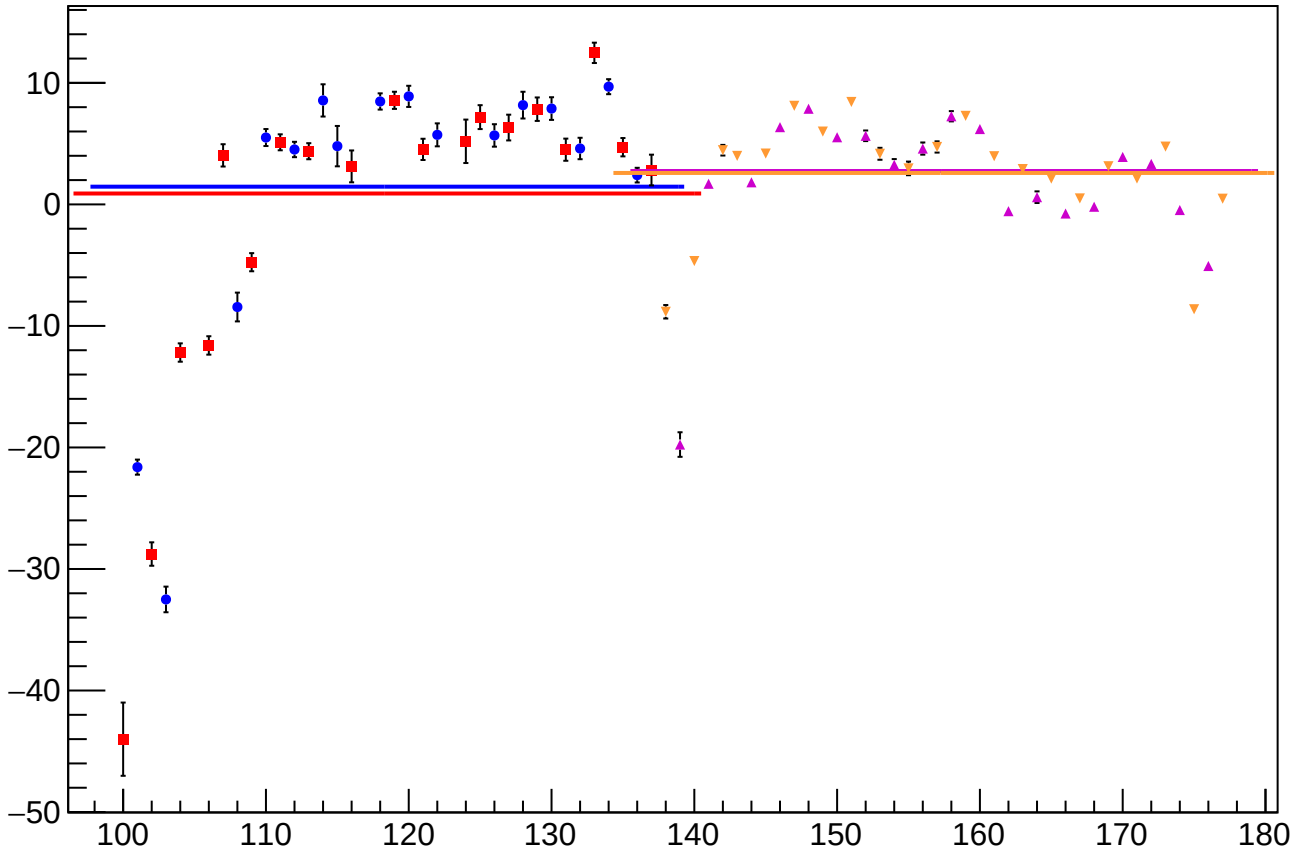
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 13.795+/-0.108 χ^2/NDF:6157.0/18

+ sign 11.314+/-0.091 χ^2/NDF: 13827.4/36

All: 10.518+/-0.064 χ^2/NDF: 26156.1/74

- sign 9.728+/-0.091 χ^2/NDF: 12176.0/37



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.588+/-0.077 χ^2/NDF:3447.6/20

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

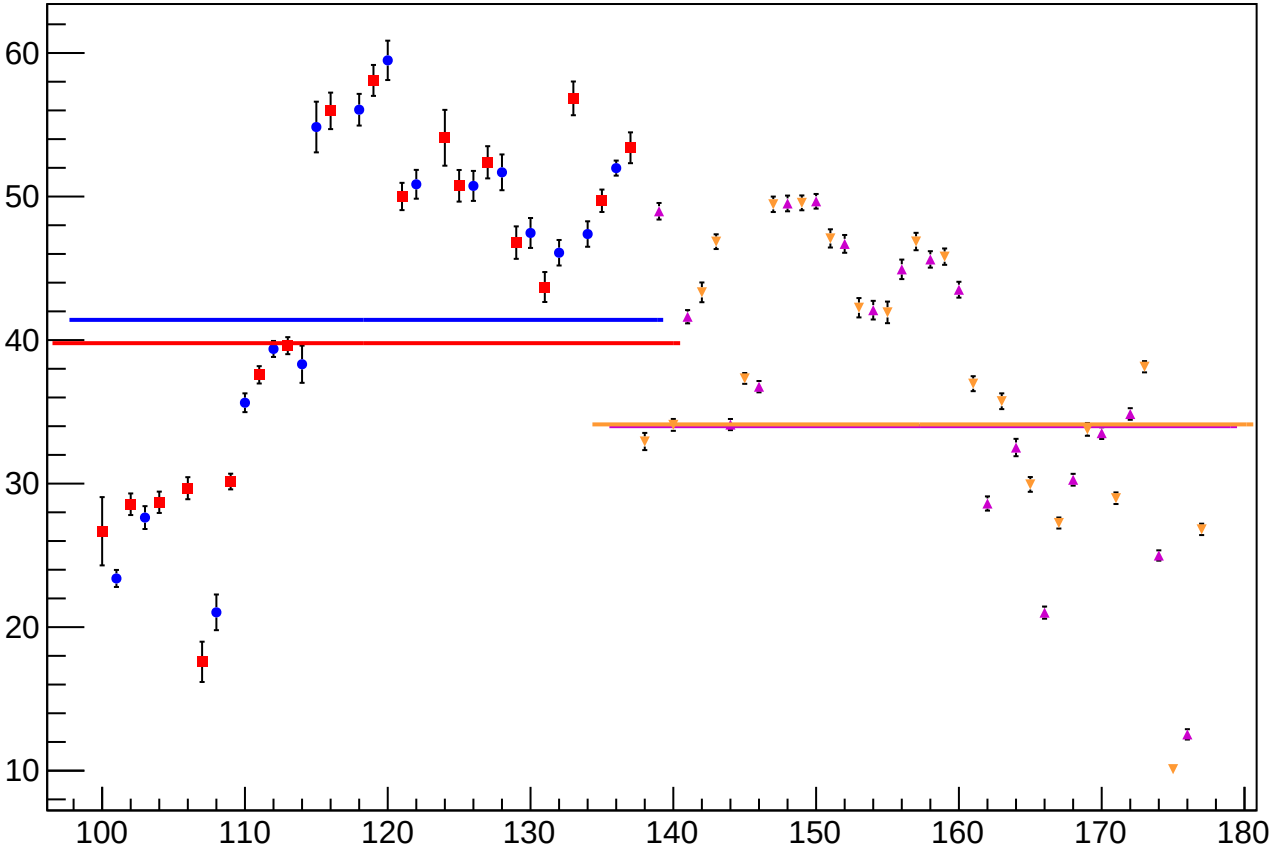
Left In: 2.746+/-0.079 χ^2/NDF:2380.3/18

\+ sign 2.447+/-0.072 χ^2/NDF: 6554.8/36

All: 2.473+/-0.051 χ^2/NDF: 11385.2/74

\- sign 2.500+/-0.074 χ^2/NDF: 4830.1/37

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: 34.125+/-0.104 χ^2/NDF:10710.5/20

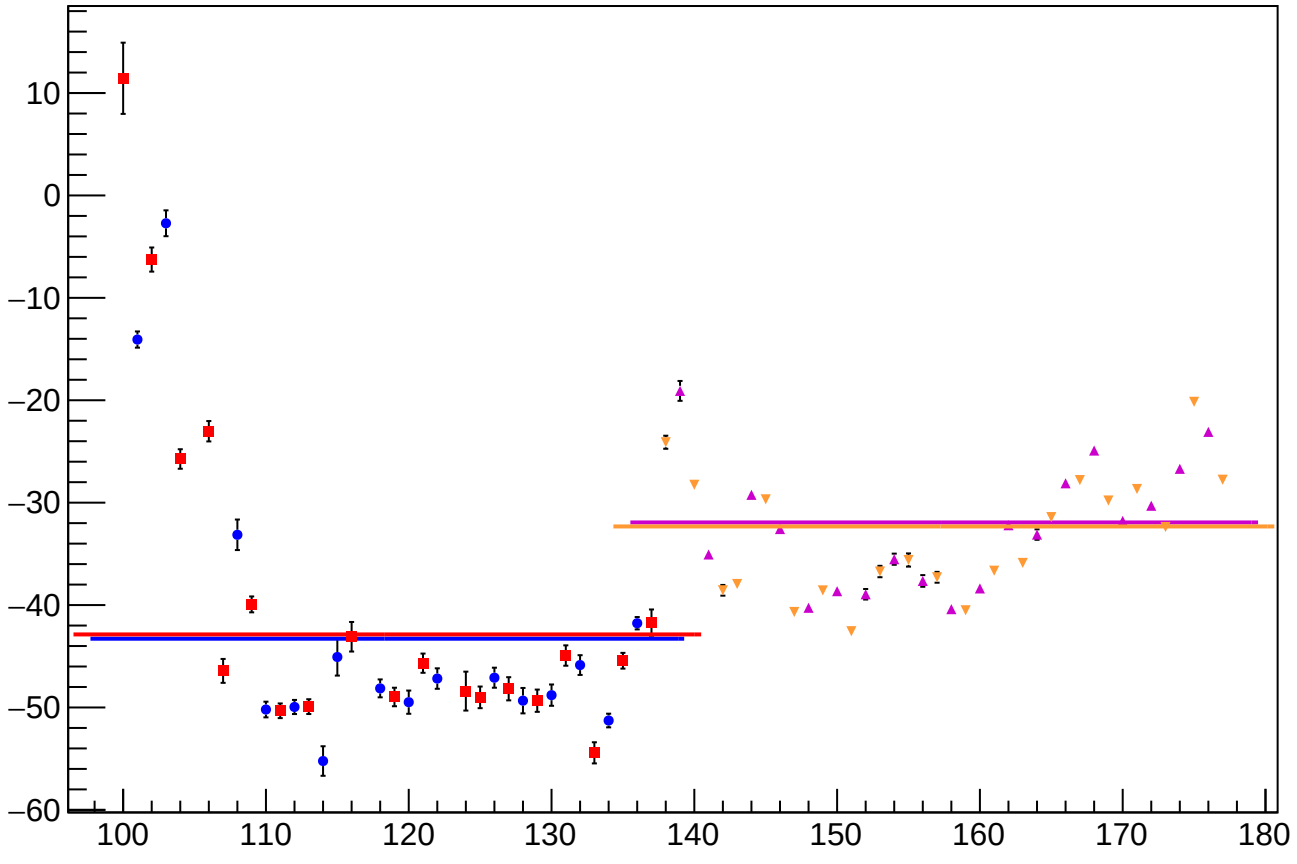
Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 34.001+/-0.107 χ^2/NDF:9599.5/18

+ sign 35.555+/-0.093 χ^2/NDF: 14417.0/36

All: 35.411+/-0.066 χ^2/NDF: 27310.6/74

- sign 35.262+/-0.095 χ^2/NDF: 12888.7/37



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -32.324+/-0.087 χ^2/NDF:4610.0/20

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

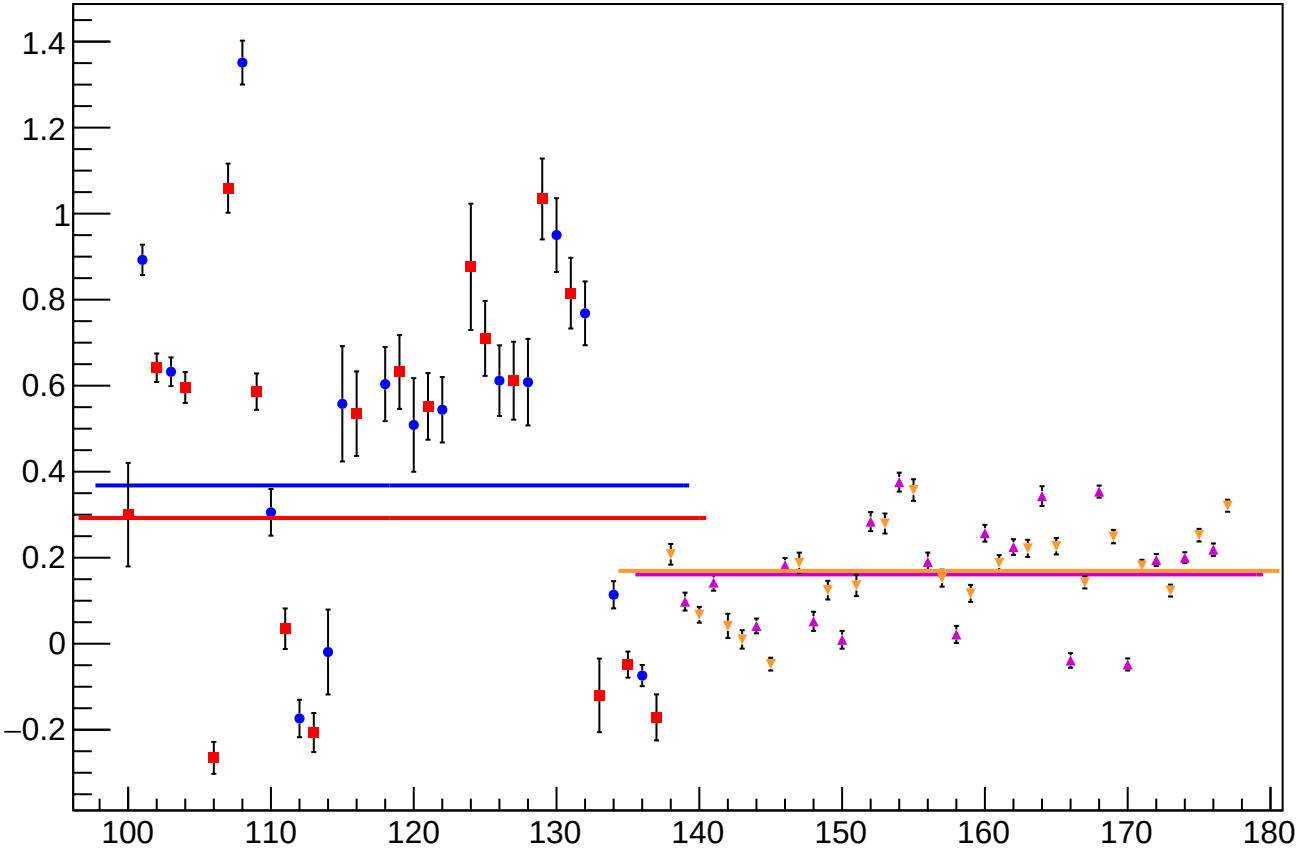
Left In: -31.933+/-0.090 χ^2/NDF:3376.6/18

+ sign -33.708+/-0.081 χ^2/NDF: 9591.4/36

All: -33.557+/-0.058 χ^2/NDF: 17403.4/74

- sign -33.397+/-0.084 χ^2/NDF: 7804.9/37

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: 0.169+/-0.004 χ^2/NDF:620.8/20

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

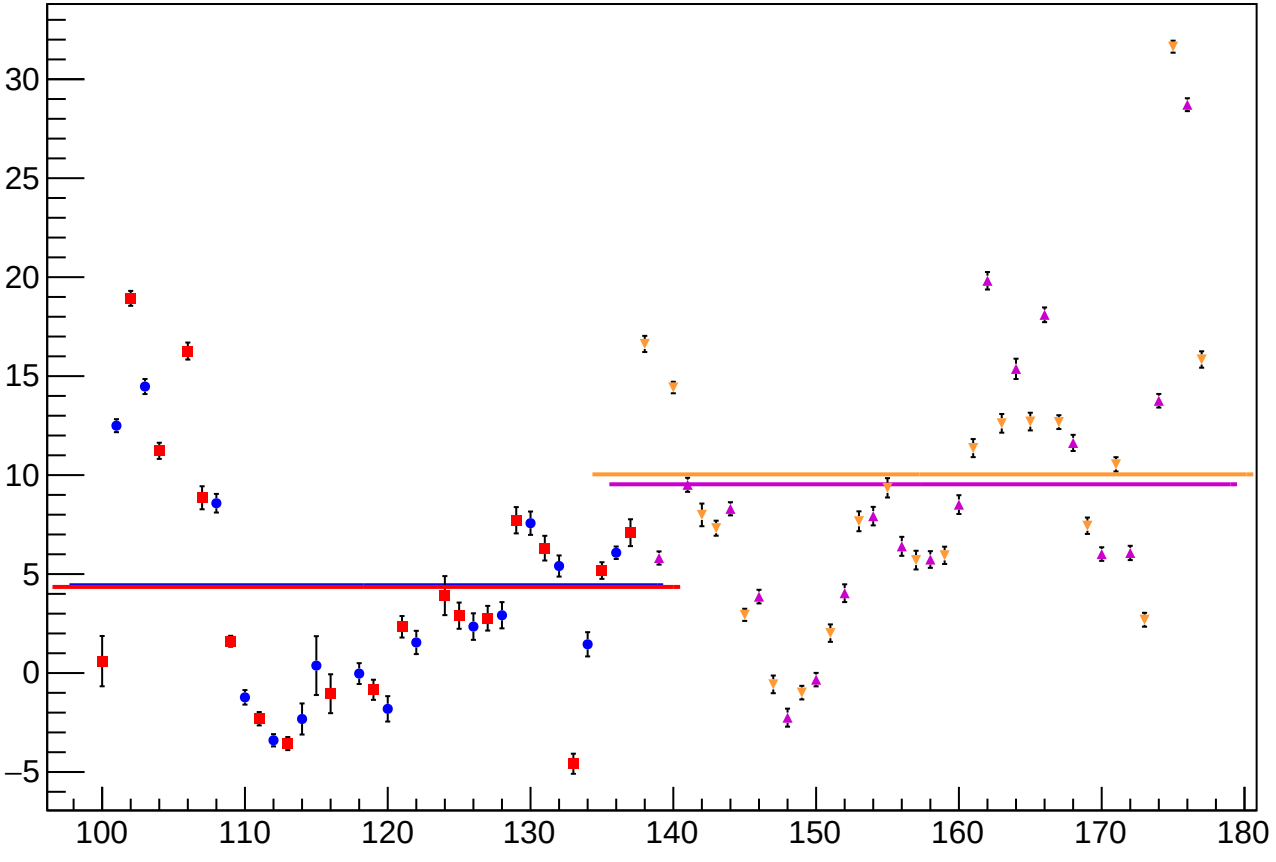
Left In: 0.161+/-0.004 χ^2/NDF:991.9/18

\+ sign 0.188+/-0.004 χ^2/NDF: 2181.7/36

All: 0.181+/-0.003 χ^2/NDF: 4485.4/74

\- sign 0.174+/-0.004 χ^2/NDF: 2296.8/37

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: 10.037+/-0.086 χ^2/NDF:9066.4/20

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

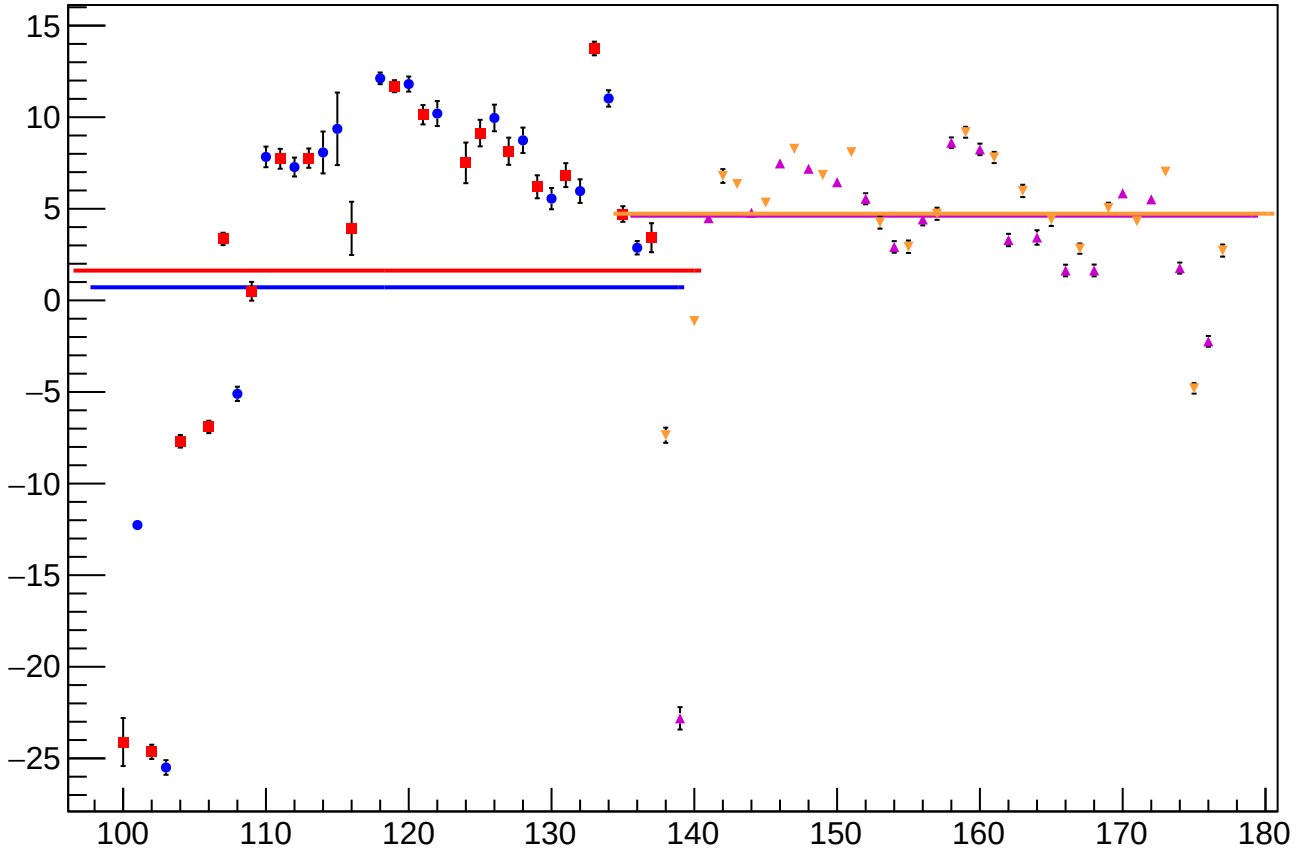
Left In: 9.536+/-0.088 χ^2/NDF:7248.9/18

+ sign 8.073+/-0.069 χ^2/NDF: 13178.1/36

All: 7.774+/-0.049 χ^2/NDF: 26032.1/74

- sign 7.479+/-0.069 χ^2/NDF: 12817.0/37

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: 4.733+/-0.062 χ^2/NDF:3698.7/20

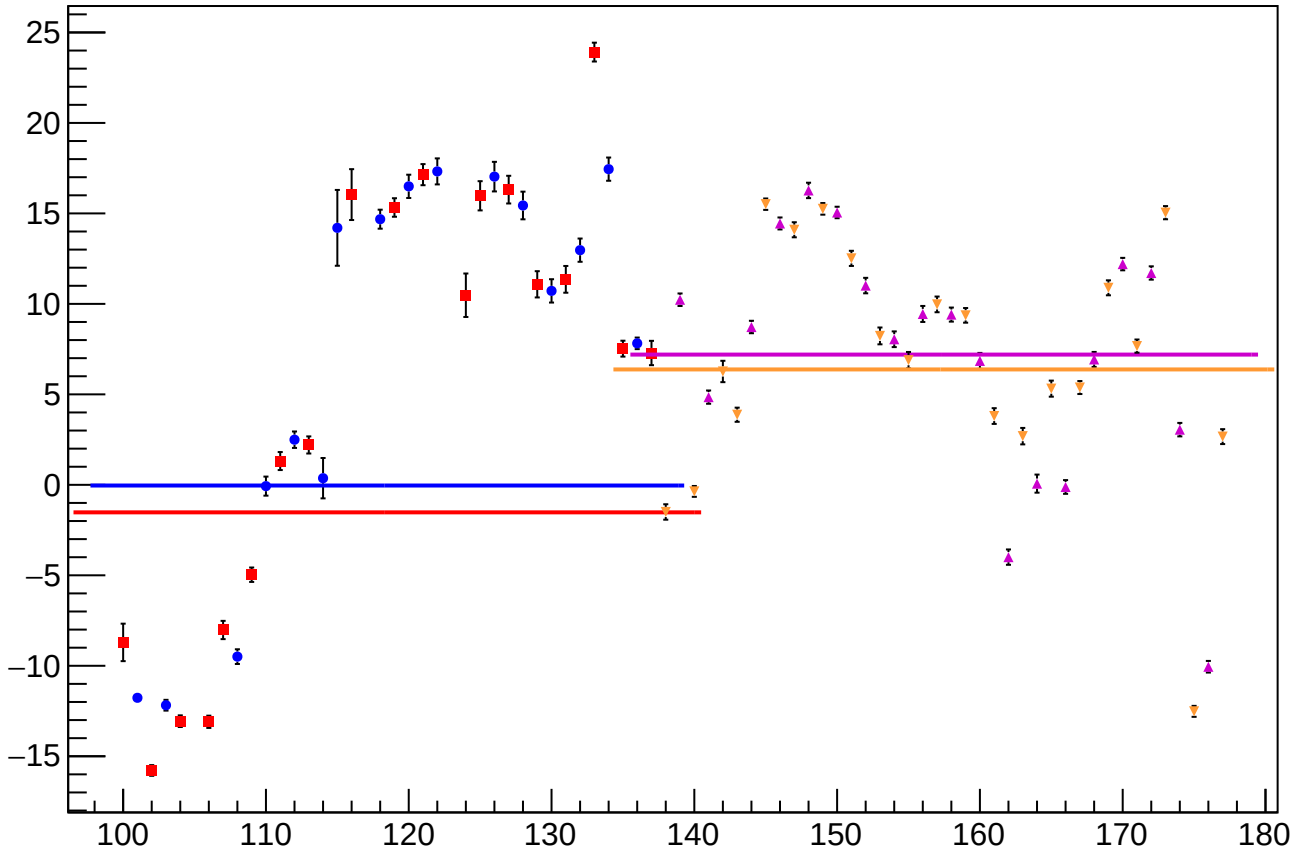
Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 4.623+/-0.065 χ^2/NDF:3627.1/18

+ sign 3.831+/-0.055 χ^2/NDF: 15084.5/36

All: 3.843+/-0.039 χ^2/NDF: 28508.8/74

- sign 3.855+/-0.056 χ^2/NDF: 13424.3/37



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 6.377+/-0.085 χ^2/NDF:7963.7/20

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

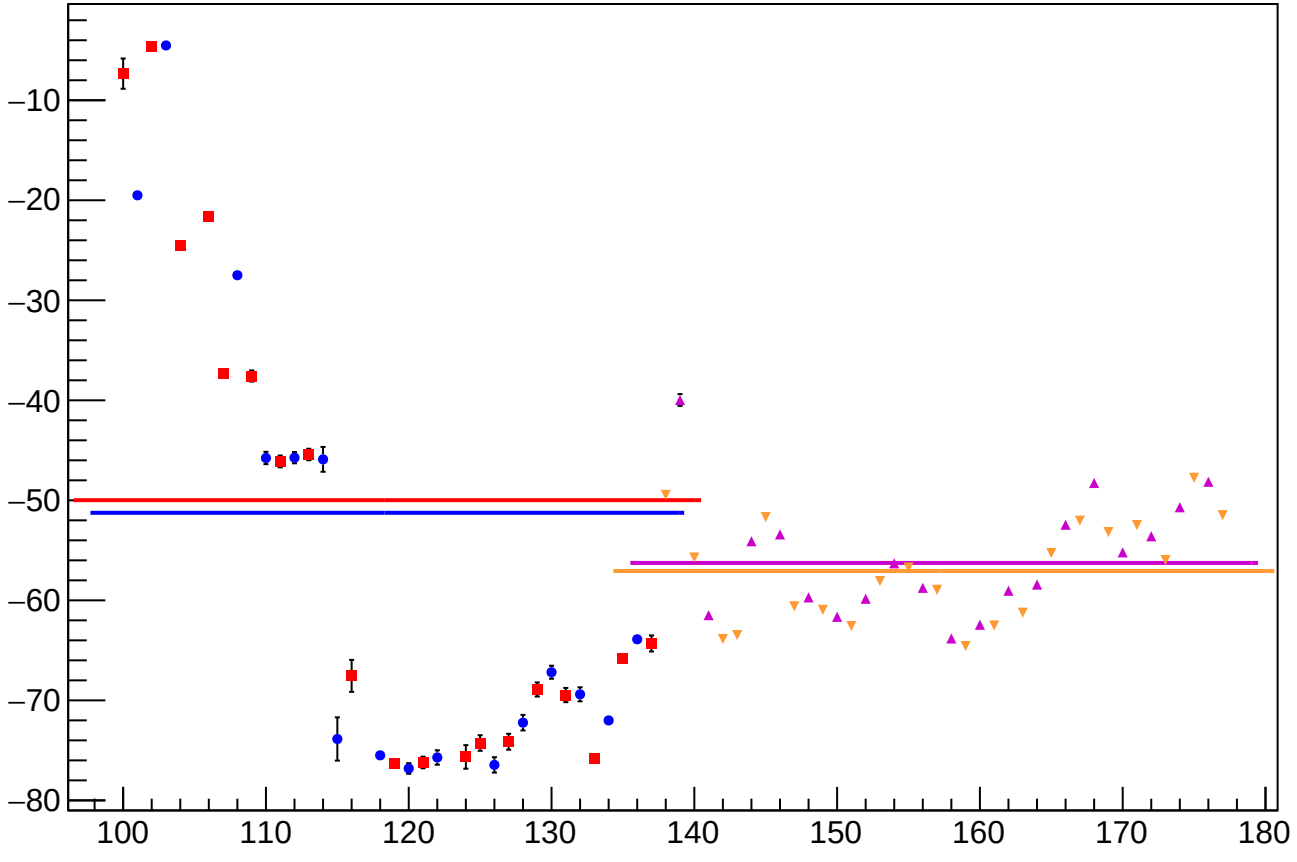
Left In: 7.198+/-0.087 χ^2/NDF:6450.8/18

+ sign 4.222+/-0.069 χ^2/NDF: 19156.4/36

All: 4.120+/-0.049 χ^2/NDF: 41387.2/74

- sign 4.017+/-0.070 χ^2/NDF: 22226.5/37

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.068+/-0.071 χ^2/NDF:4847.9/20

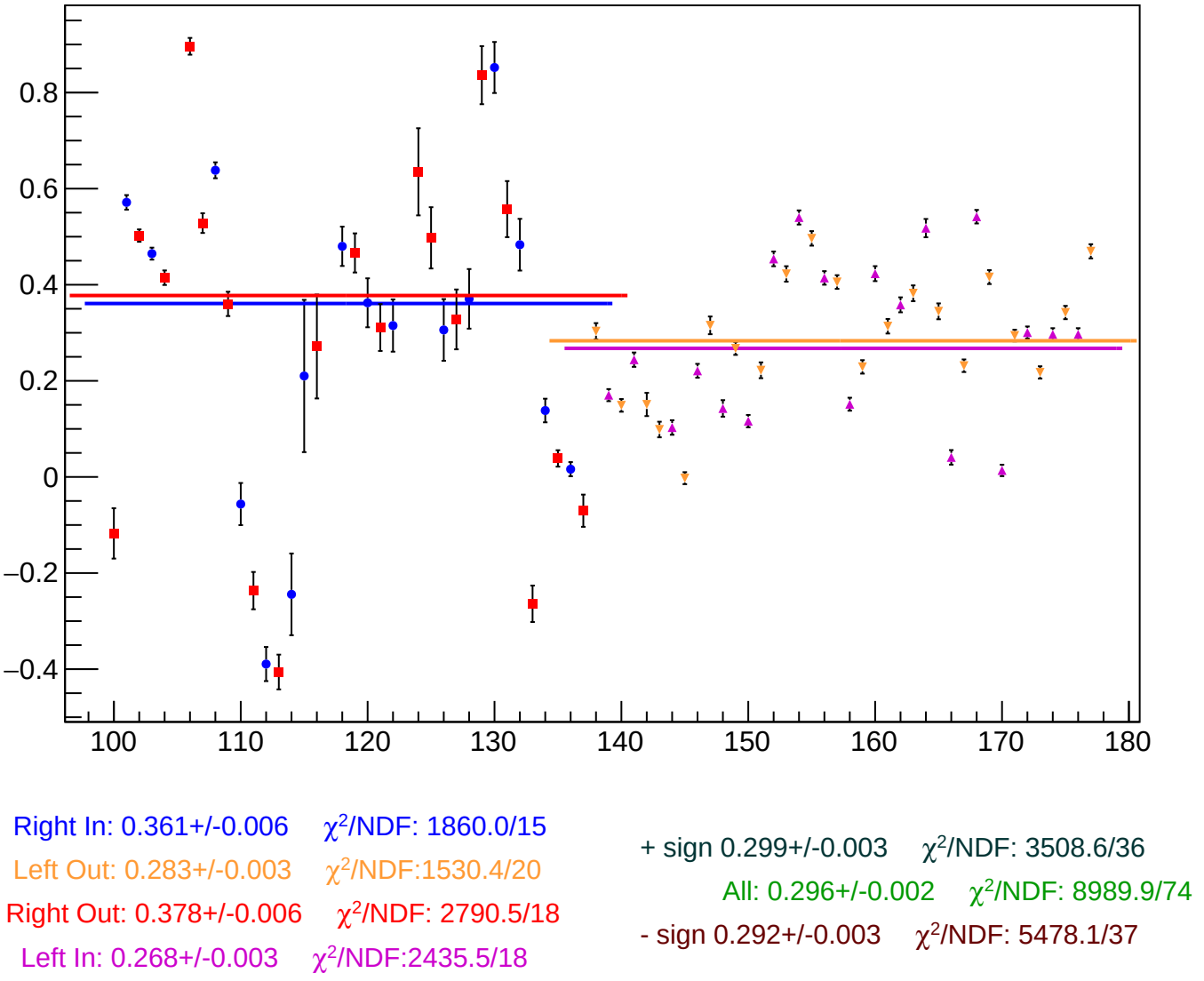
Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -56.258+/-0.074 χ^2/NDF:4610.1/18

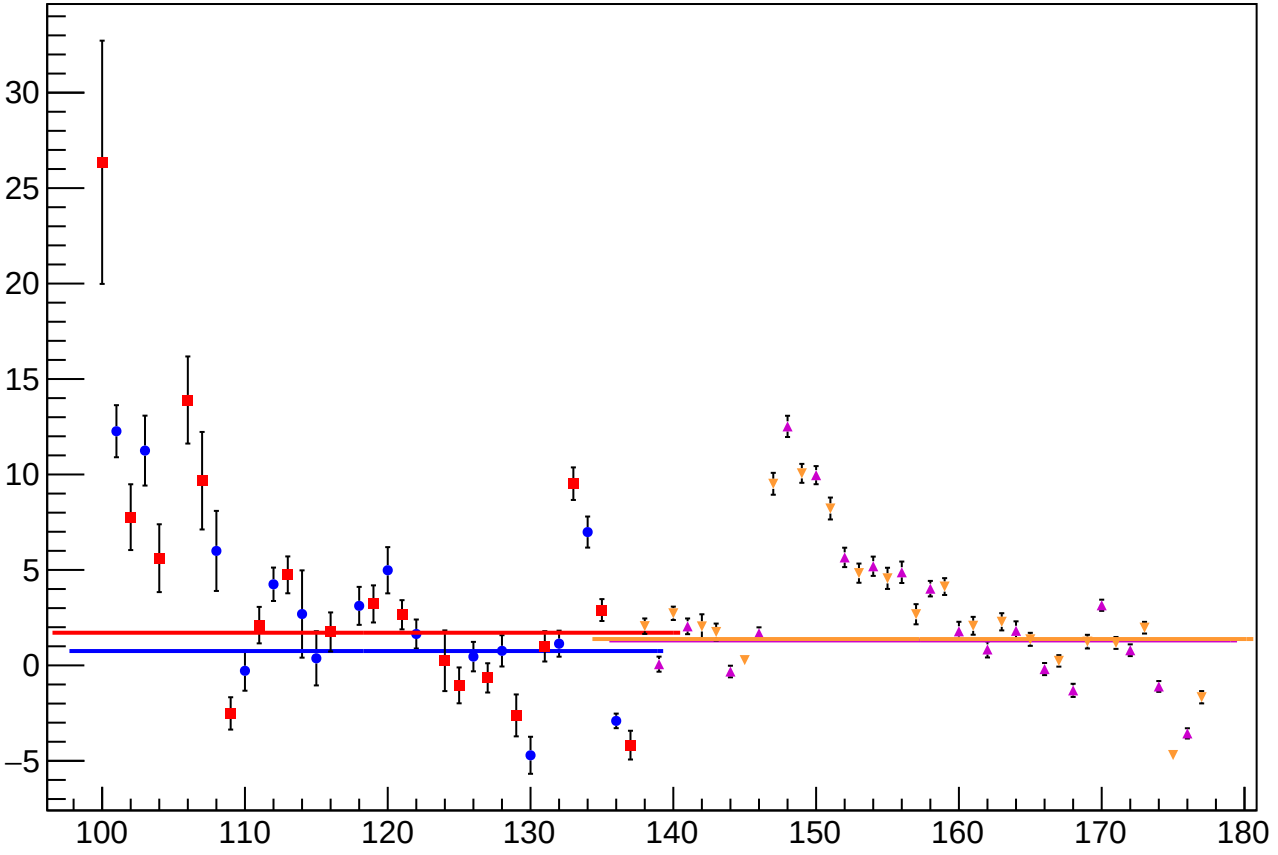
+ sign -55.810+/-0.063 χ^2/NDF: 40054.7/36

All: -55.282+/-0.045 χ^2/NDF: 80445.0/74

- sign -54.731+/-0.064 χ^2/NDF: 40247.3/37


reg_asym_sam_37_48_dd_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: 0.361+/-0.006 χ²/NDF: 1860.0/15
Left Out: 0.283+/-0.003 χ²/NDF:1530.4/20
Right Out: 0.378+/-0.006 χ²/NDF: 2790.5/18
Left In: 0.268+/-0.003 χ²/NDF:2435.5/18
+ sign 0.299+/-0.003 χ²/NDF: 3508.6/36
All: 0.296+/-0.002 χ²/NDF: 8989.9/74
- sign 0.292+/-0.003 χ²/NDF: 5478.1/37

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: 1.380+/-0.083 χ^2/NDF:1503.8/20

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

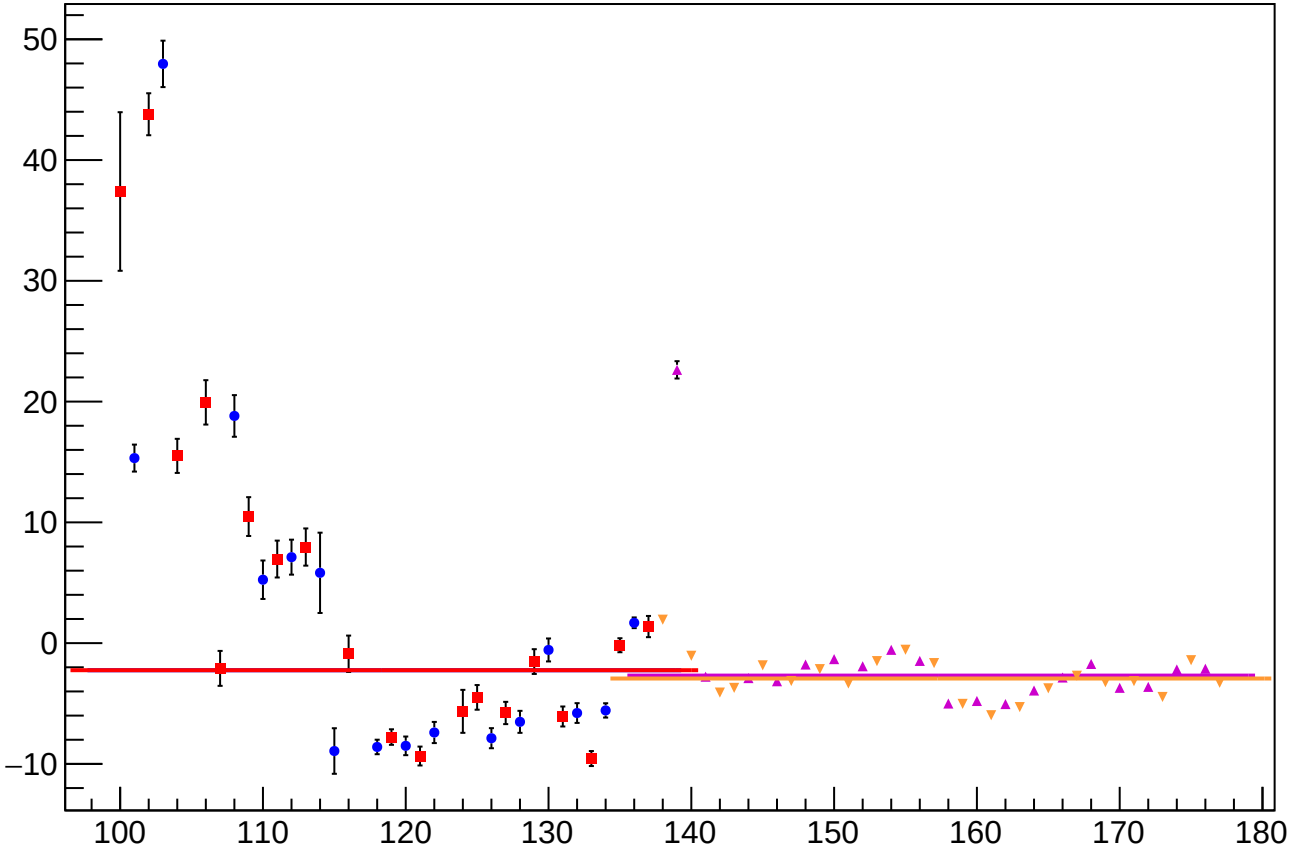
Left In: 1.307+/-0.085 χ^2/NDF:1525.4/18

\+ sign 1.297+/-0.077 χ^2/NDF: 1841.5/36

All: 1.327+/-0.055 χ^2/NDF: 3663.9/74

\- sign 1.358+/-0.079 χ^2/NDF: 1822.1/37

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.930+/-0.062 χ^2/NDF:606.8/20

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

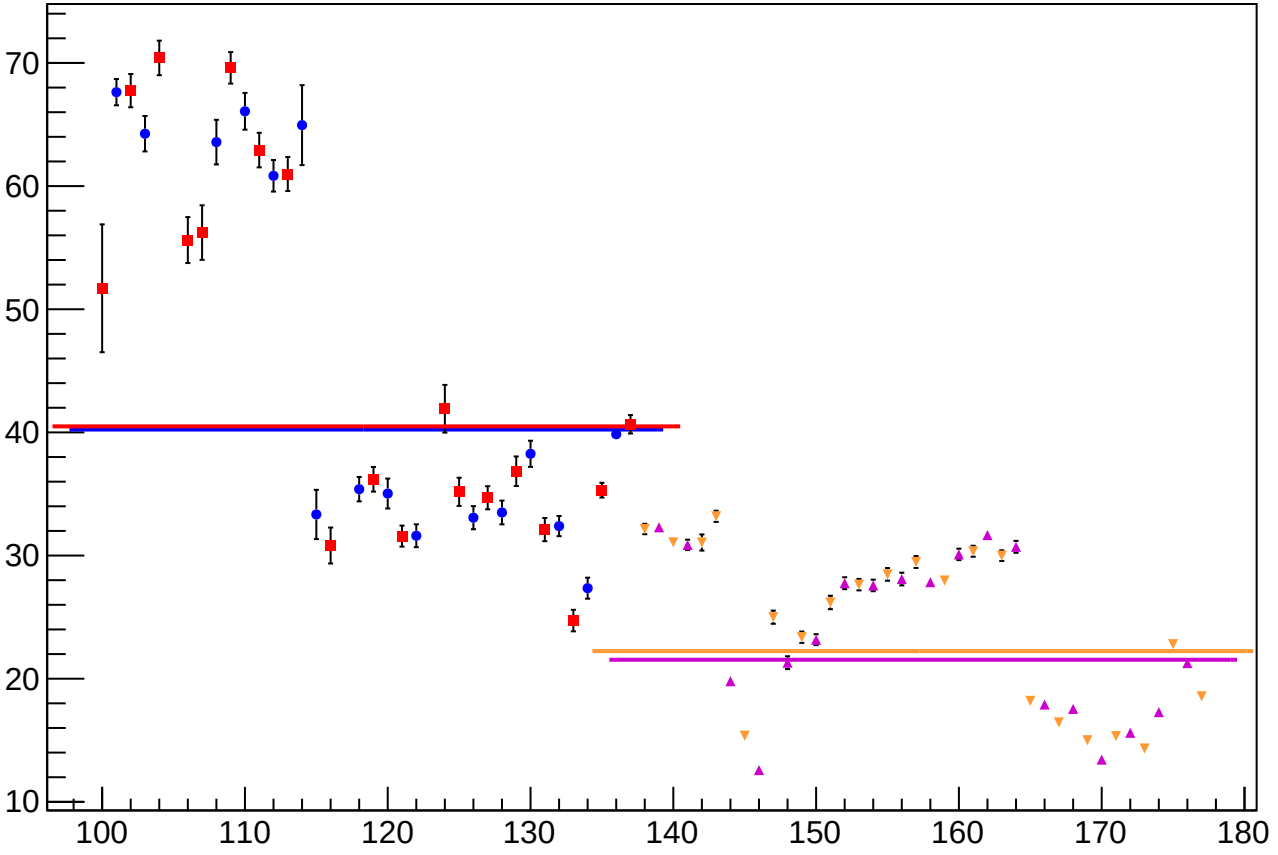
Left In: -2.688+/-0.063 χ^2/NDF:1572.3/18

+ sign -2.878+/-0.059 χ^2/NDF: 2188.6/36

All: -2.770+/-0.043 χ^2/NDF: 5326.8/74

- sign -2.656+/-0.061 χ^2/NDF: 3131.5/37

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: 22.241+/-0.082 χ^2/NDF:6130.4/20

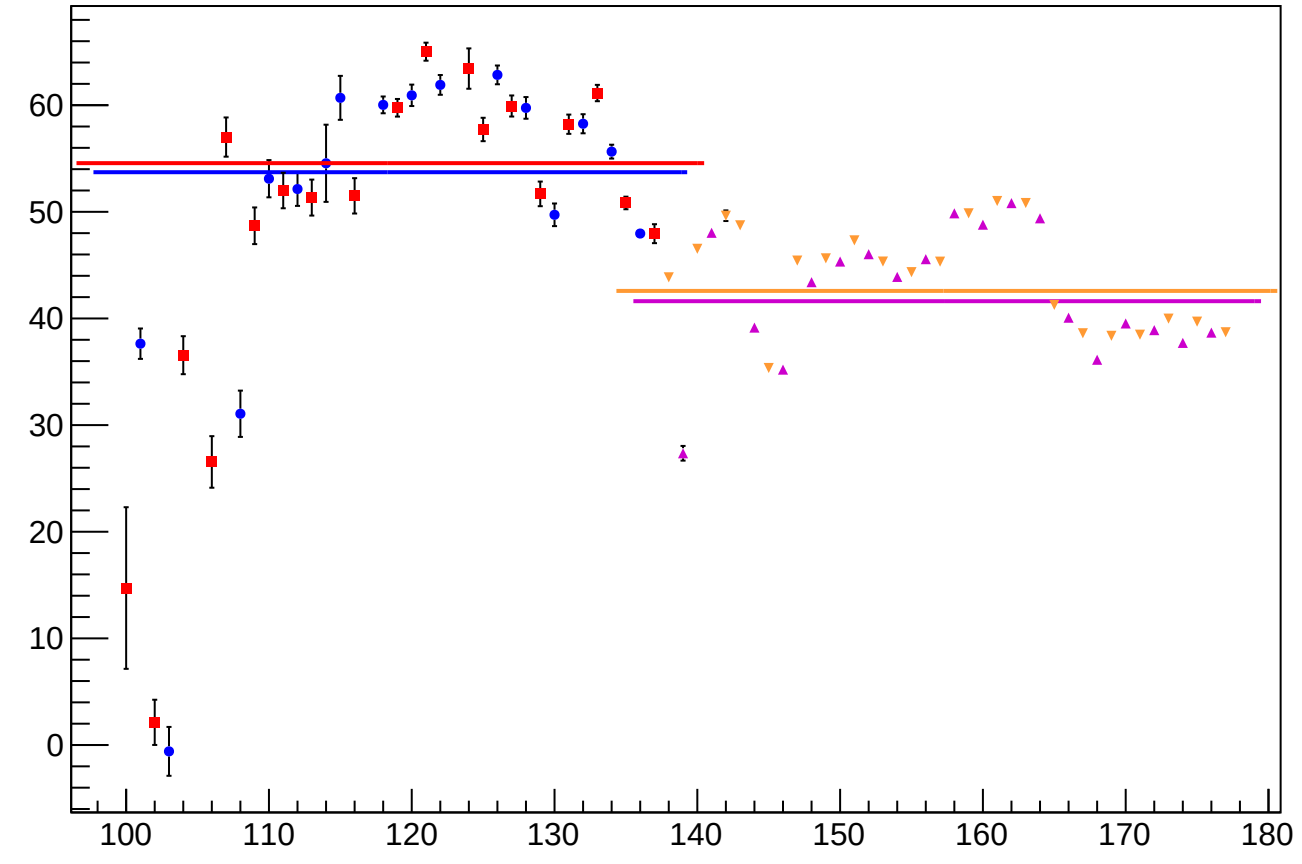
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.539+/-0.084 χ^2/NDF:5775.0/18

+ sign 24.269+/-0.078 χ^2/NDF: 13783.4/36

All: 23.880+/-0.056 χ^2/NDF: 27451.1/74

- sign 23.469+/-0.080 χ^2/NDF: 13616.2/37



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.584+/-0.069 χ^2/NDF:4790.1/20

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

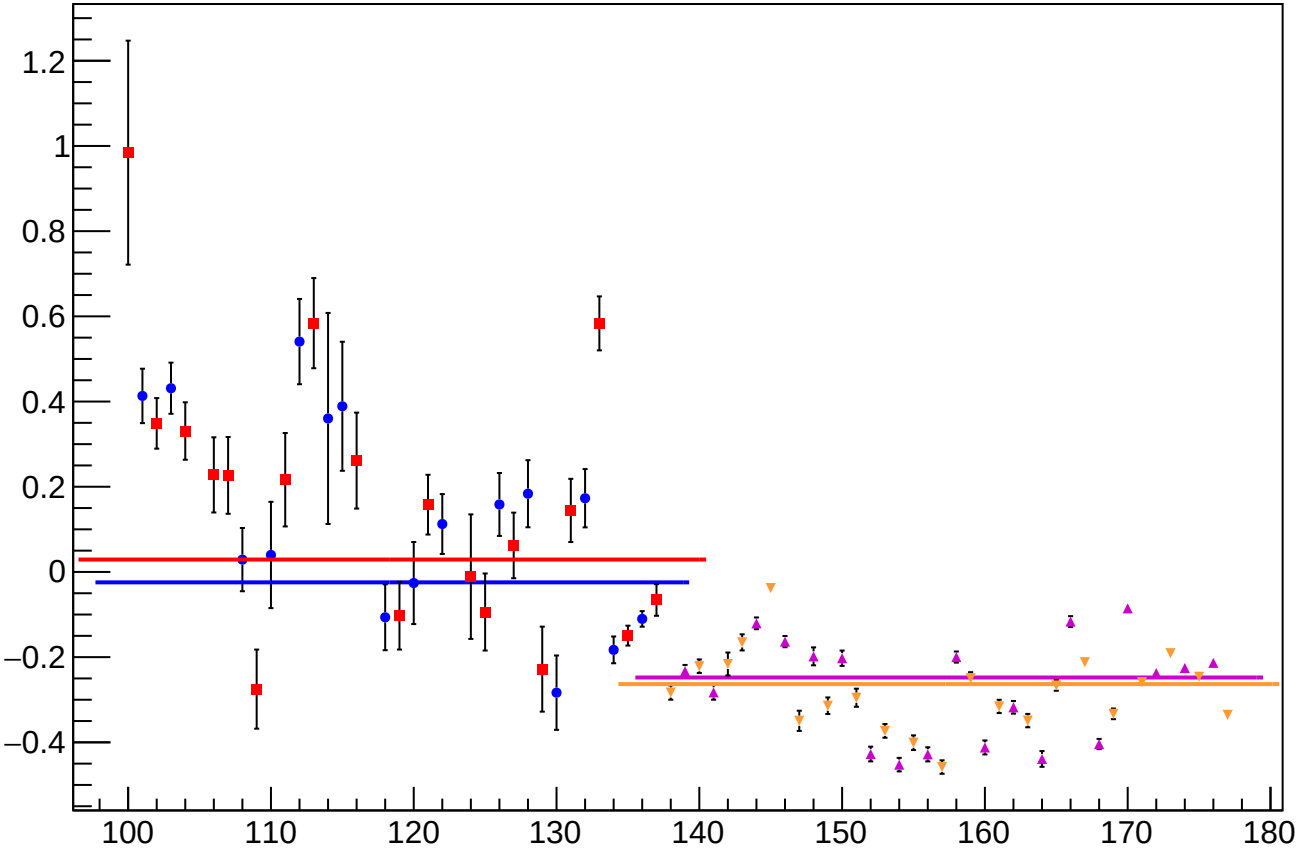
Left In: 41.621+/-0.071 χ^2/NDF:5139.5/18

+ sign 43.451+/-0.067 χ^2/NDF: 8153.0/36

All: 43.016+/-0.048 χ^2/NDF: 17092.5/74

- sign 42.554+/-0.069 χ^2/NDF: 8852.0/37

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: -0.263+/-0.003 χ^2/NDF:936.6/20

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

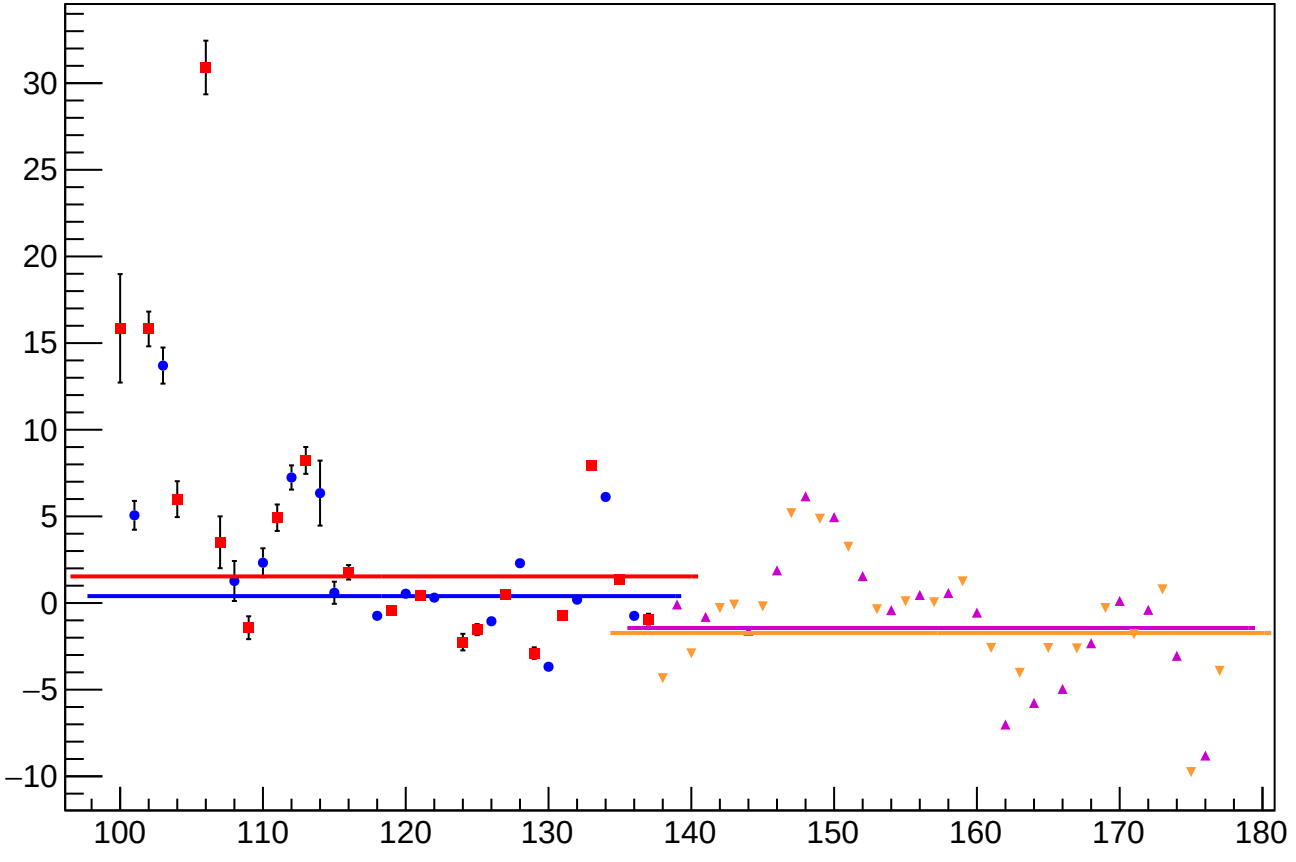
Left In: -0.248+/-0.003 χ^2/NDF:1328.4/18

+ sign -0.250+/-0.003 χ^2/NDF: 1494.9/36

All: -0.243+/-0.002 χ^2/NDF: 3472.2/74

- sign -0.235+/-0.003 χ^2/NDF: 1965.1/37

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: -1.728+/-0.032 χ^2/NDF:12852.5/20

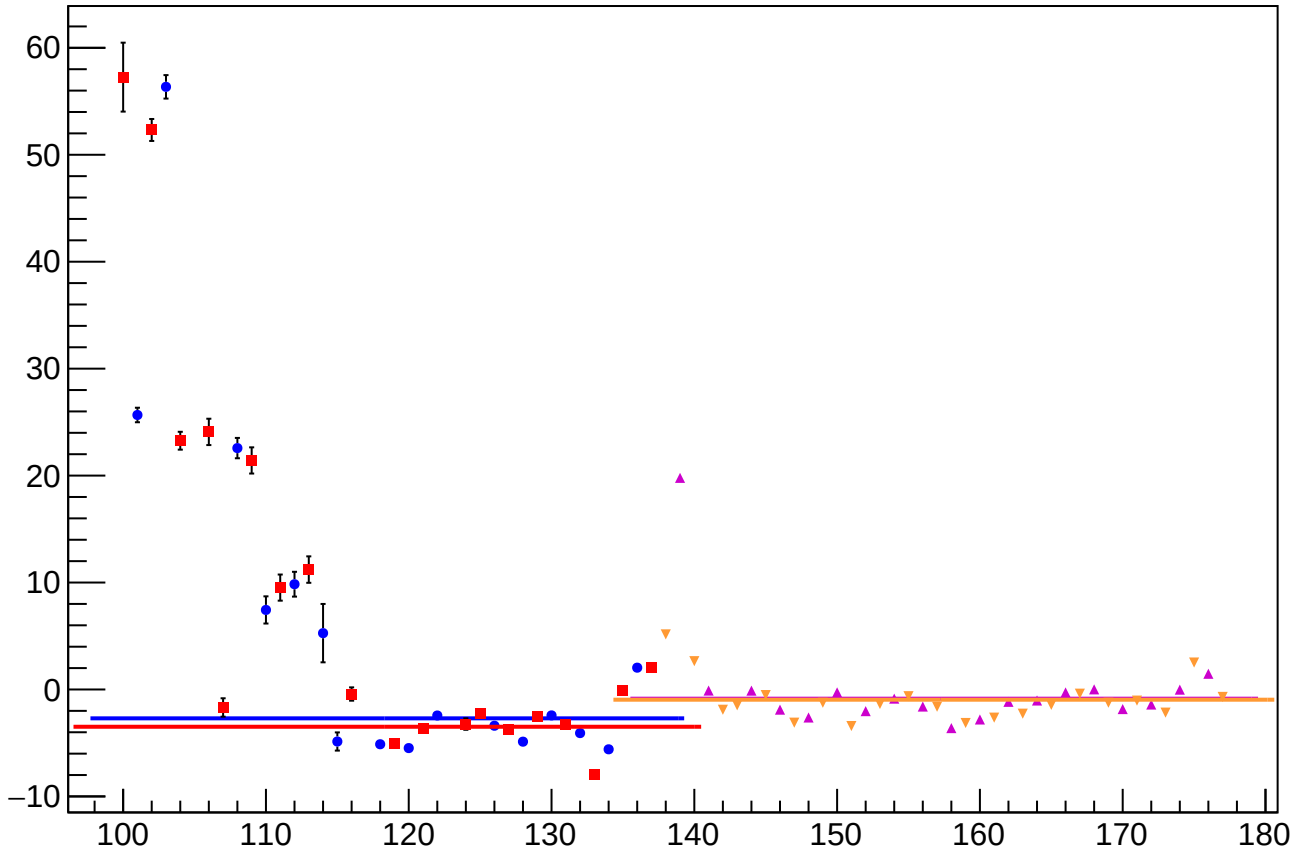
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -1.440+/-0.032 χ^2/NDF:12035.4/18

\+ sign -1.418+/-0.029 χ^2/NDF: 14599.8/36

All: -1.214+/-0.021 χ^2/NDF: 30379.7/74

\- sign -1.002+/-0.030 χ^2/NDF: 15682.1/37



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.956+/-0.024 χ^2/NDF:5928.3/20

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

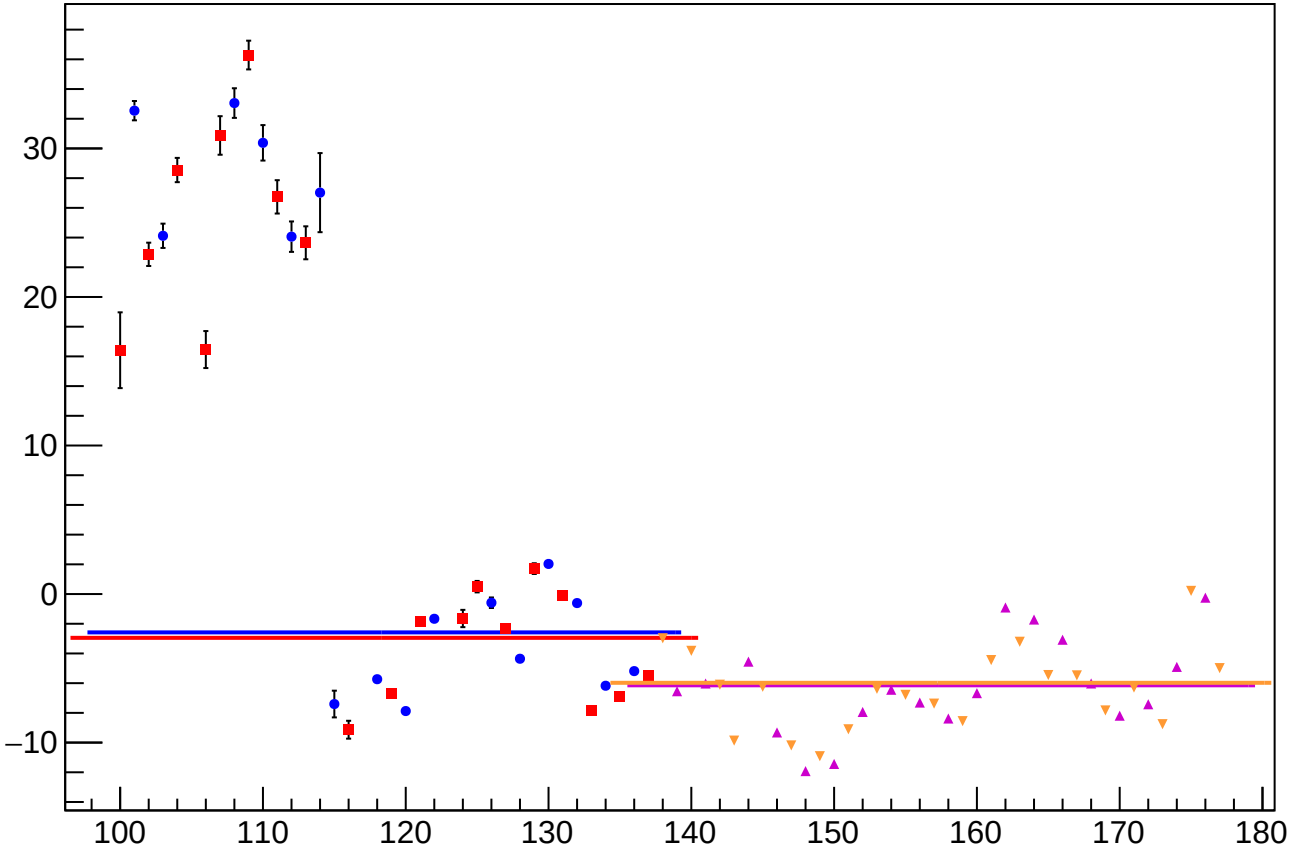
Left In: -0.860+/-0.024 χ^2/NDF:9038.0/18

+ sign -1.132+/-0.022 χ^2/NDF: 13578.0/36

All: -1.133+/-0.016 χ^2/NDF: 31005.5/74

- sign -1.134+/-0.023 χ^2/NDF: 17427.4/37

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: -5.976+/-0.032 χ^2/NDF:8606.9/20

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

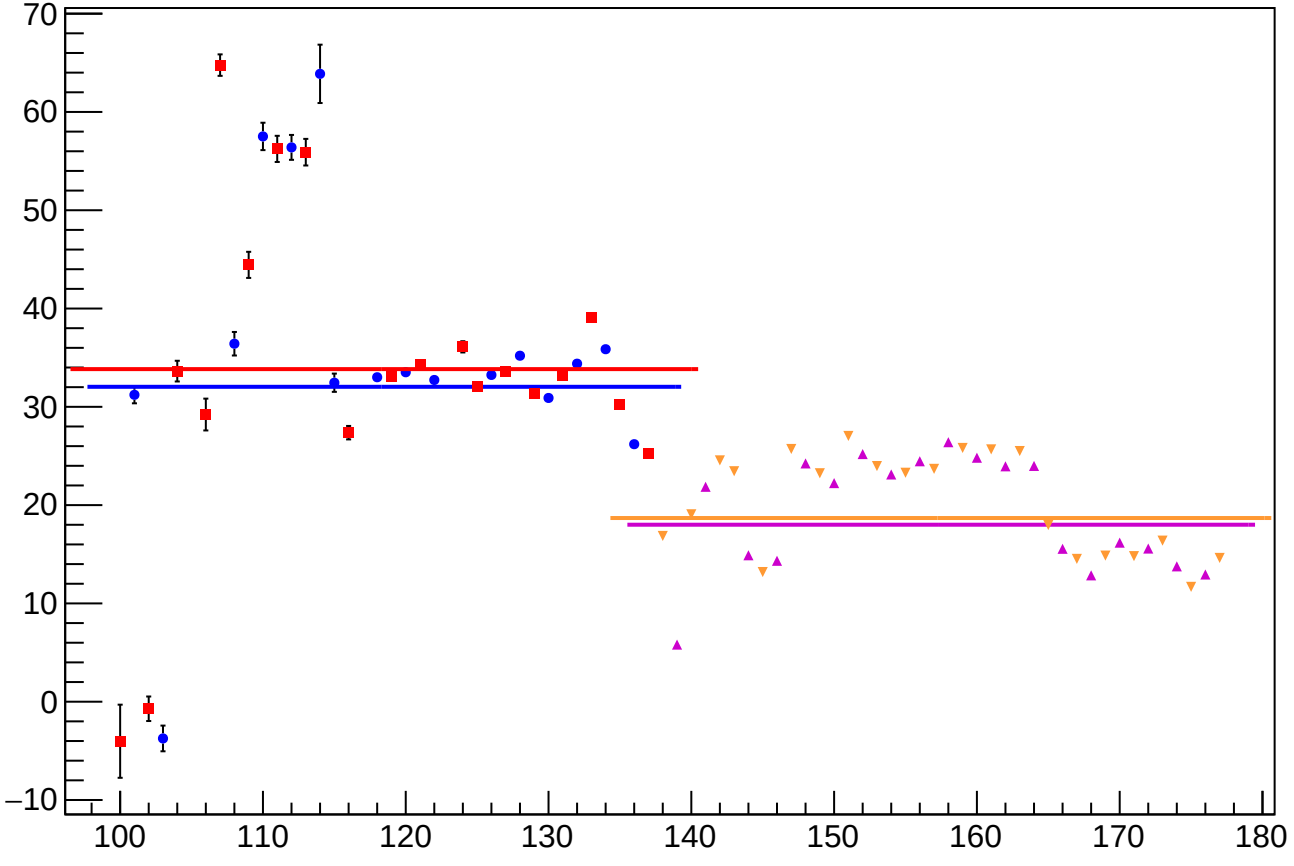
Left In: -6.145+/-0.032 χ^2/NDF:9253.8/18

+ sign -5.545+/-0.030 χ^2/NDF: 18223.5/36

All: -5.642+/-0.021 χ^2/NDF: 36933.1/74

- sign -5.742+/-0.030 χ^2/NDF: 18687.9/37

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: 18.687+/-0.027 χ^2/NDF:36043.6/20

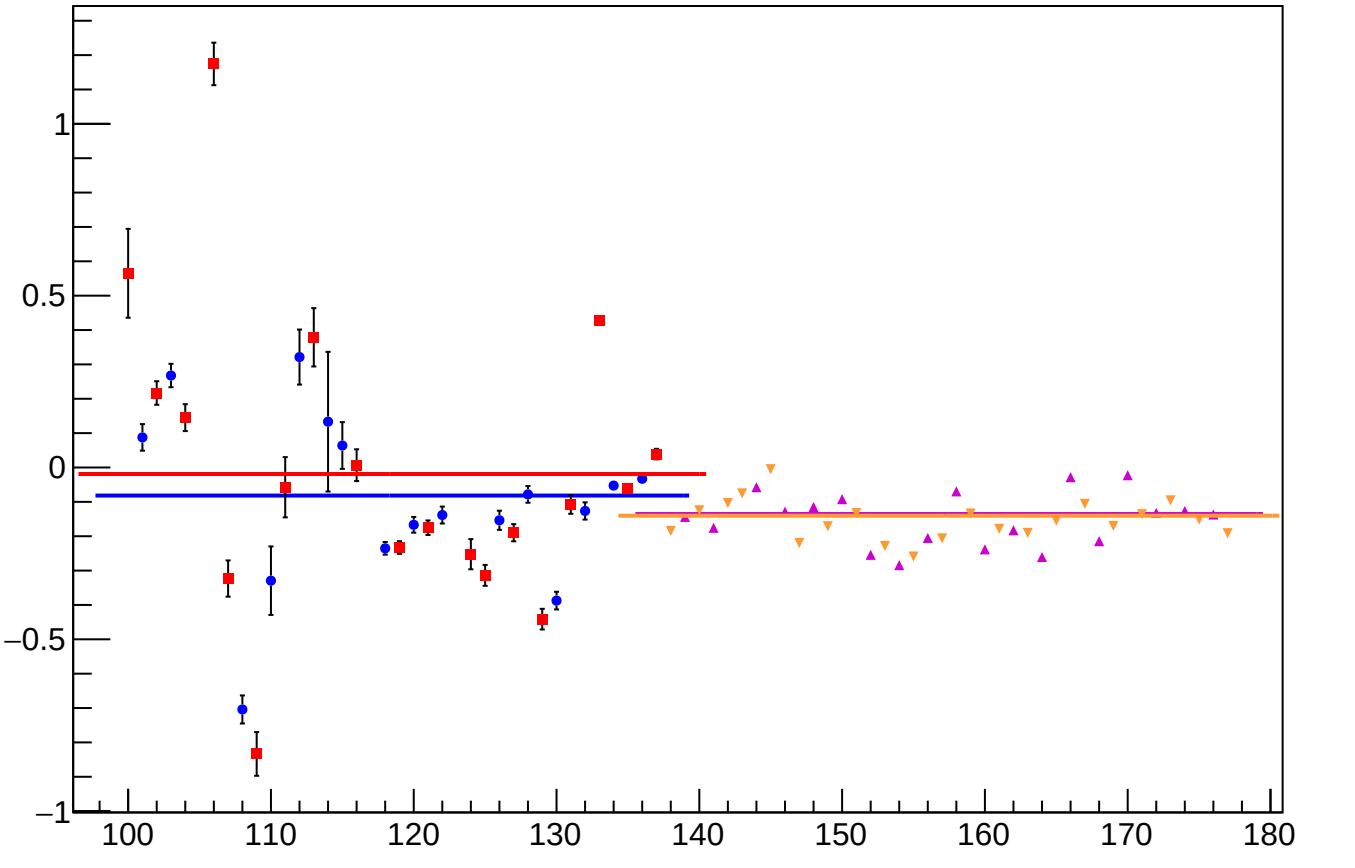
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.006+/-0.027 χ^2/NDF:31241.3/18

+ sign 19.994+/-0.025 χ^2/NDF: 63633.3/36

All: 19.809+/-0.018 χ^2/NDF: 133021.8/74

- sign 19.614+/-0.026 χ^2/NDF: 69279.5/37



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.140+/-0.001 χ^2/NDF:2492.8/20

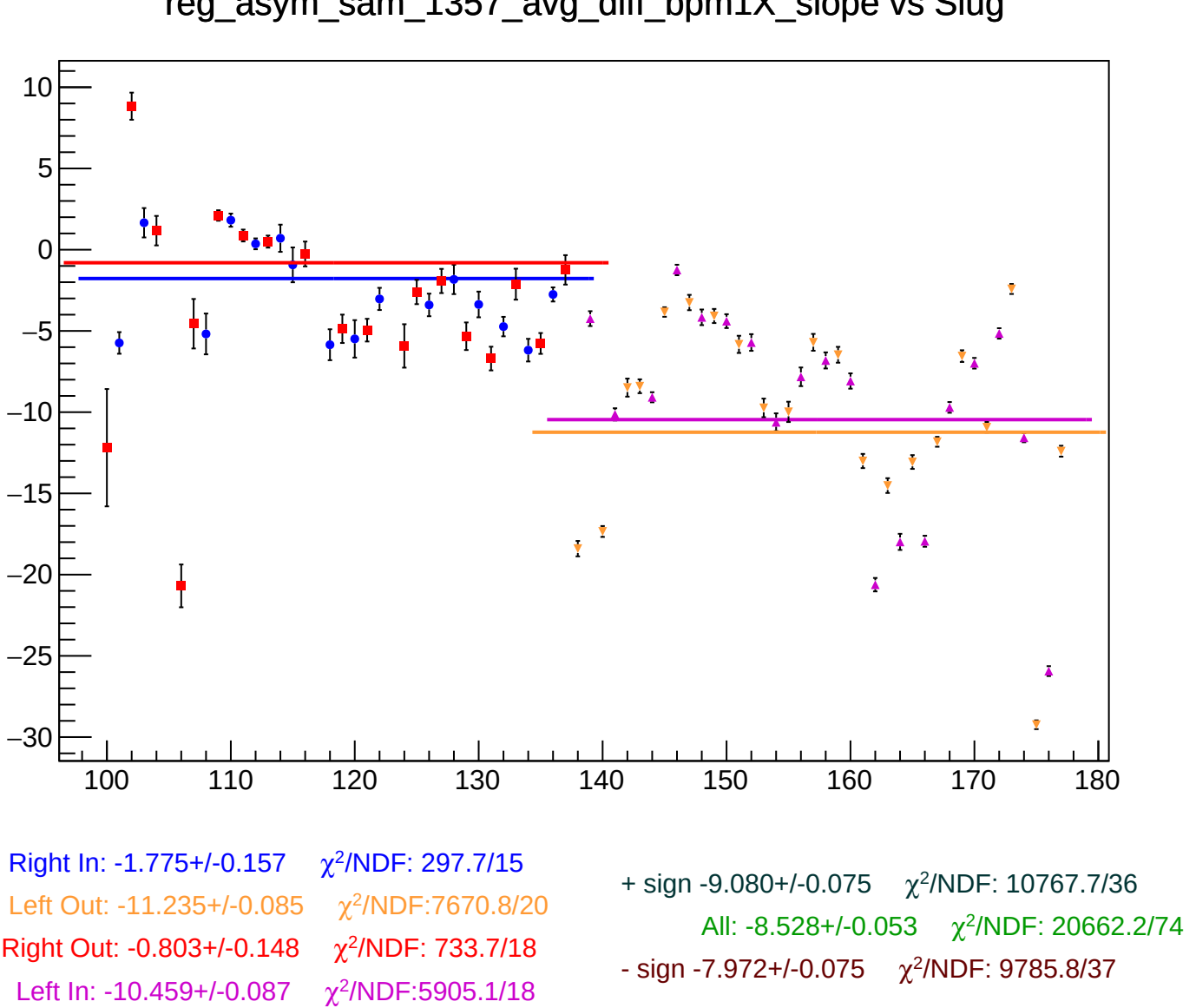
Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

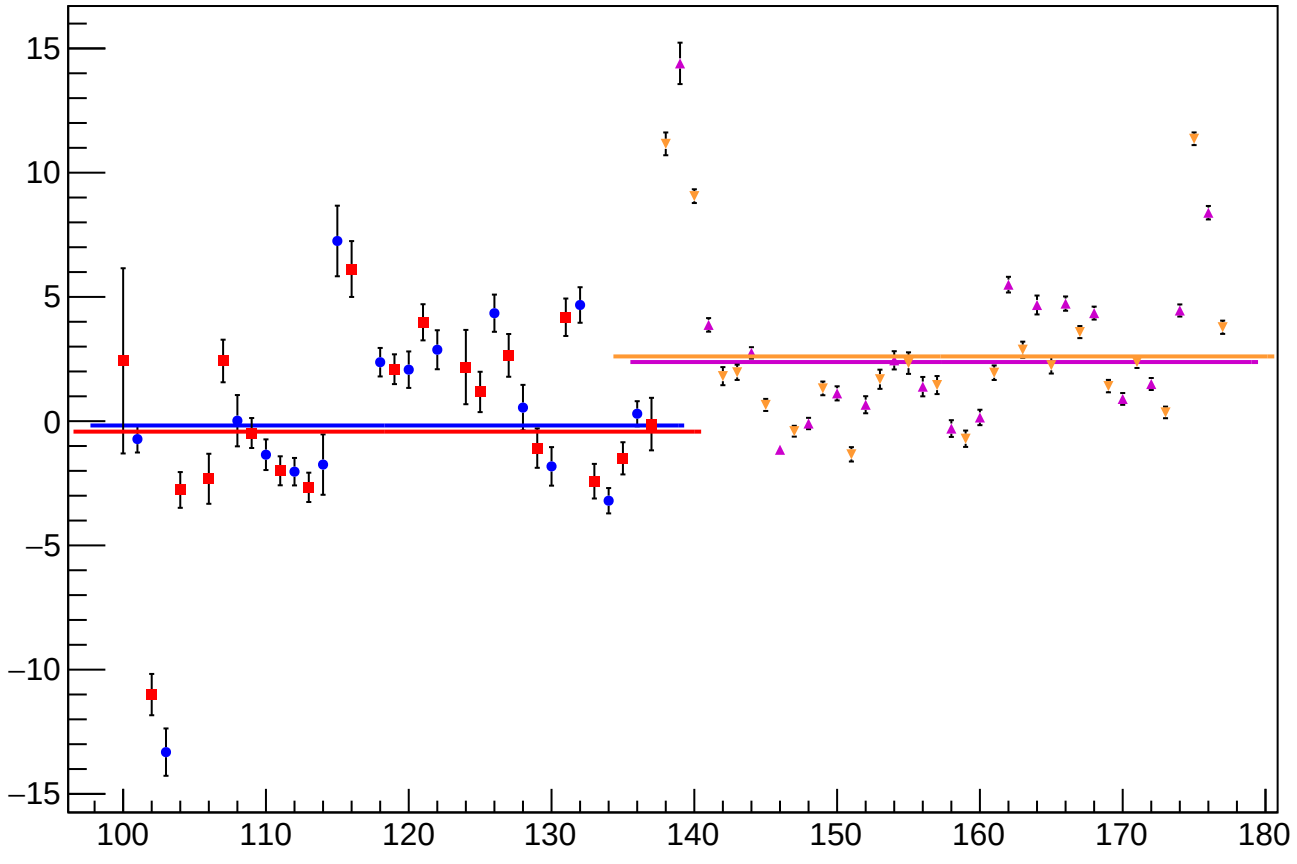
Left In: -0.135+/-0.001 χ^2/NDF:3563.9/18

+ sign -0.137+/-0.001 χ^2/NDF: 3320.8/36

All: -0.133+/-0.001 χ^2/NDF: 9654.7/74

- sign -0.130+/-0.001 χ^2/NDF: 6314.0/37


reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug
10
5
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
170
180
Right In: -1.775+/-0.157 χ²/NDF: 297.7/15
Left Out: -11.235+/-0.085 χ²/NDF:7670.8/20
Right Out: -0.803+/-0.148 χ²/NDF: 733.7/18
Left In: -10.459+/-0.087 χ²/NDF:5905.1/18
+ sign -9.080+/-0.075 χ²/NDF: 10767.7/36
All: -8.528+/-0.053 χ²/NDF: 20662.2/74
- sign -7.972+/-0.075 χ²/NDF: 9785.8/37



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.605+/-0.062 χ^2/NDF:2817.9/20

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

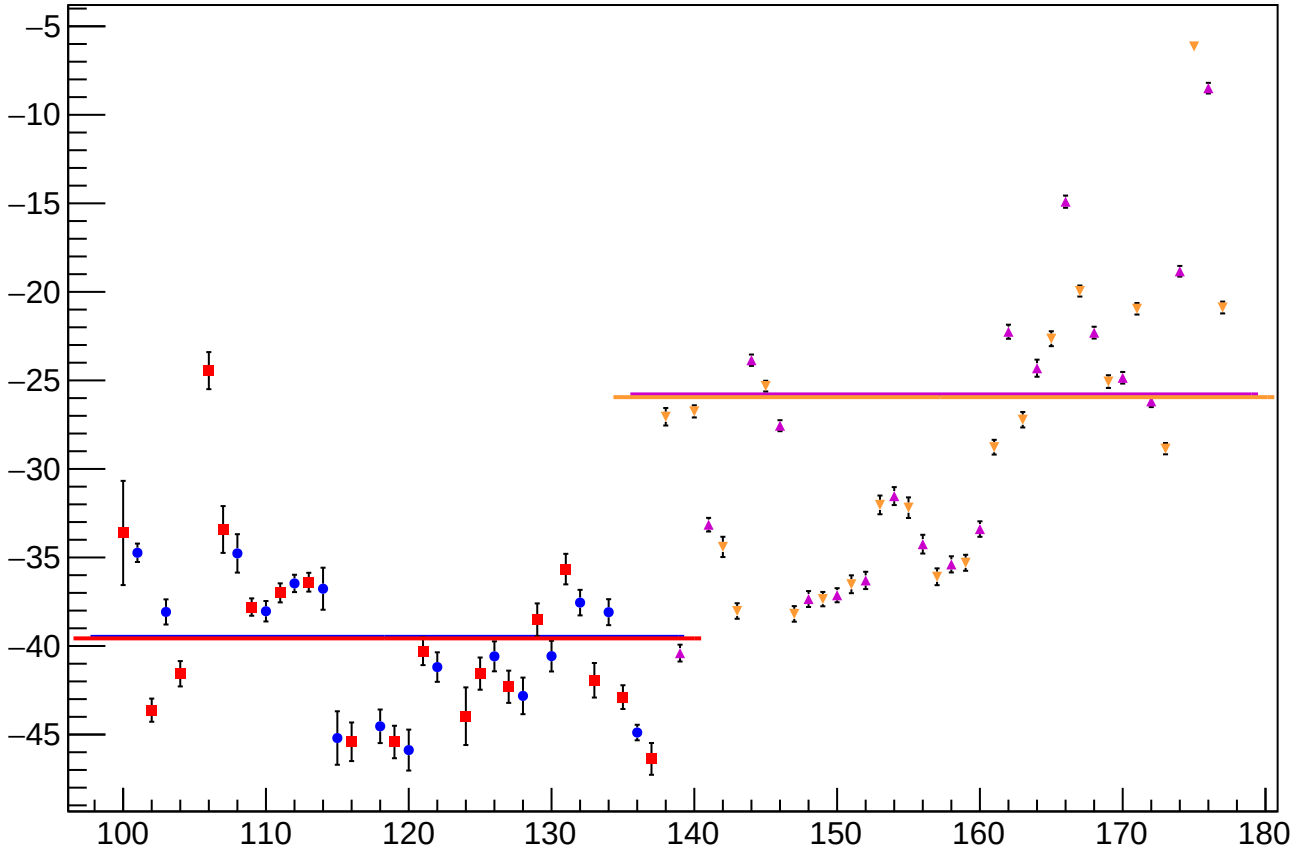
Left In: 2.379+/-0.064 χ^2/NDF:1726.9/18

+ sign 2.285+/-0.059 χ^2/NDF: 3449.3/36

All: 2.172+/-0.042 χ^2/NDF: 5770.7/74

- sign 2.054+/-0.060 χ^2/NDF: 2314.0/37

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -25.946+/-0.085 χ^2/NDF:10518.4/20

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

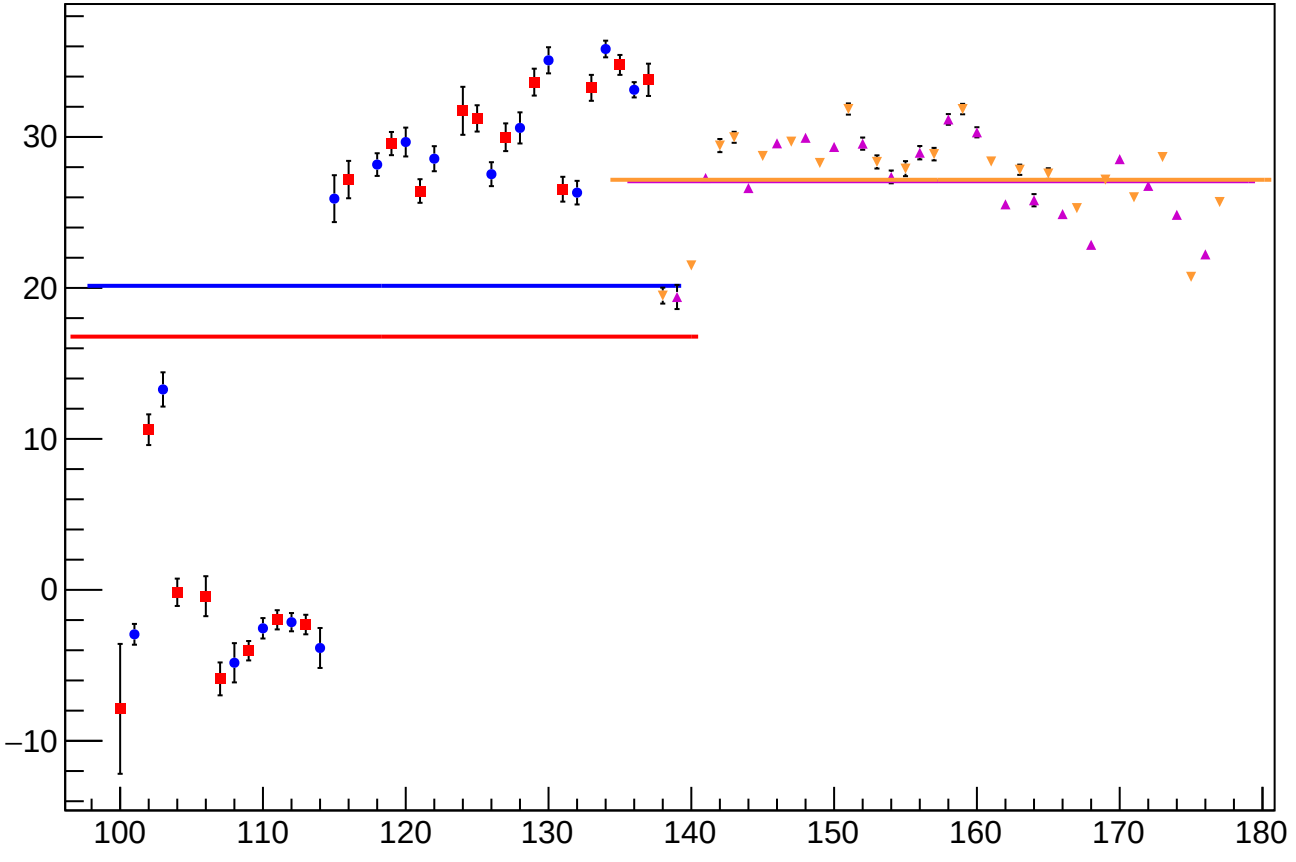
Left In: -25.791+/-0.087 χ^2/NDF:9494.4/18

\+ sign -28.398+/-0.077 χ^2/NDF: 15548.2/36

All: -28.382+/-0.055 χ^2/NDF: 30309.4/74

\- sign -28.366+/-0.078 χ^2/NDF: 14761.1/37

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.164+/-0.071 χ^2/NDF:1803.3/20

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

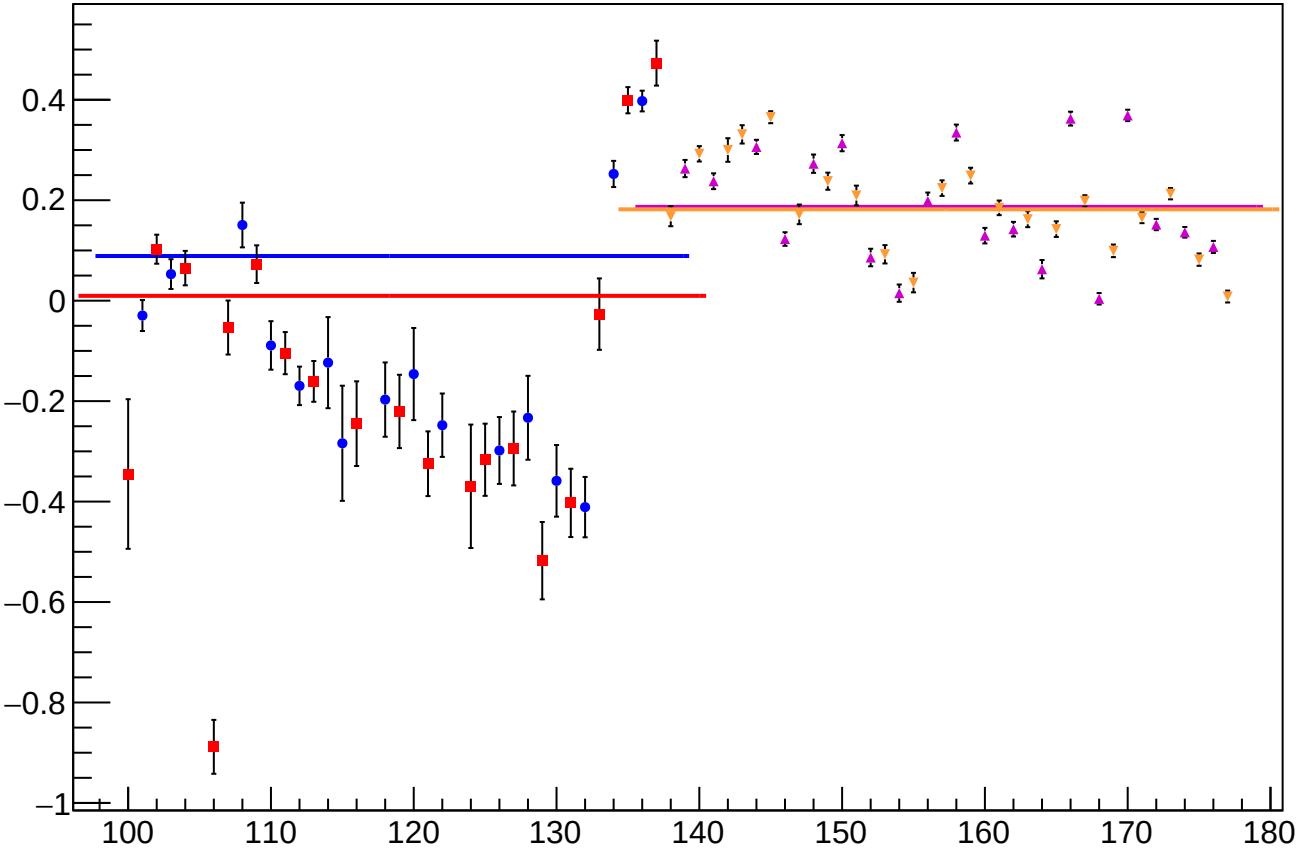
Left In: 27.067+/-0.073 χ^2/NDF:1276.1/18

\+ sign 26.342+/-0.067 χ^2/NDF: 9637.1/36

All: 26.106+/-0.048 χ^2/NDF: 20021.6/74

\- sign 25.856+/-0.069 χ^2/NDF: 10358.6/37

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.182+/-0.003 χ^2/NDF:844.6/20

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

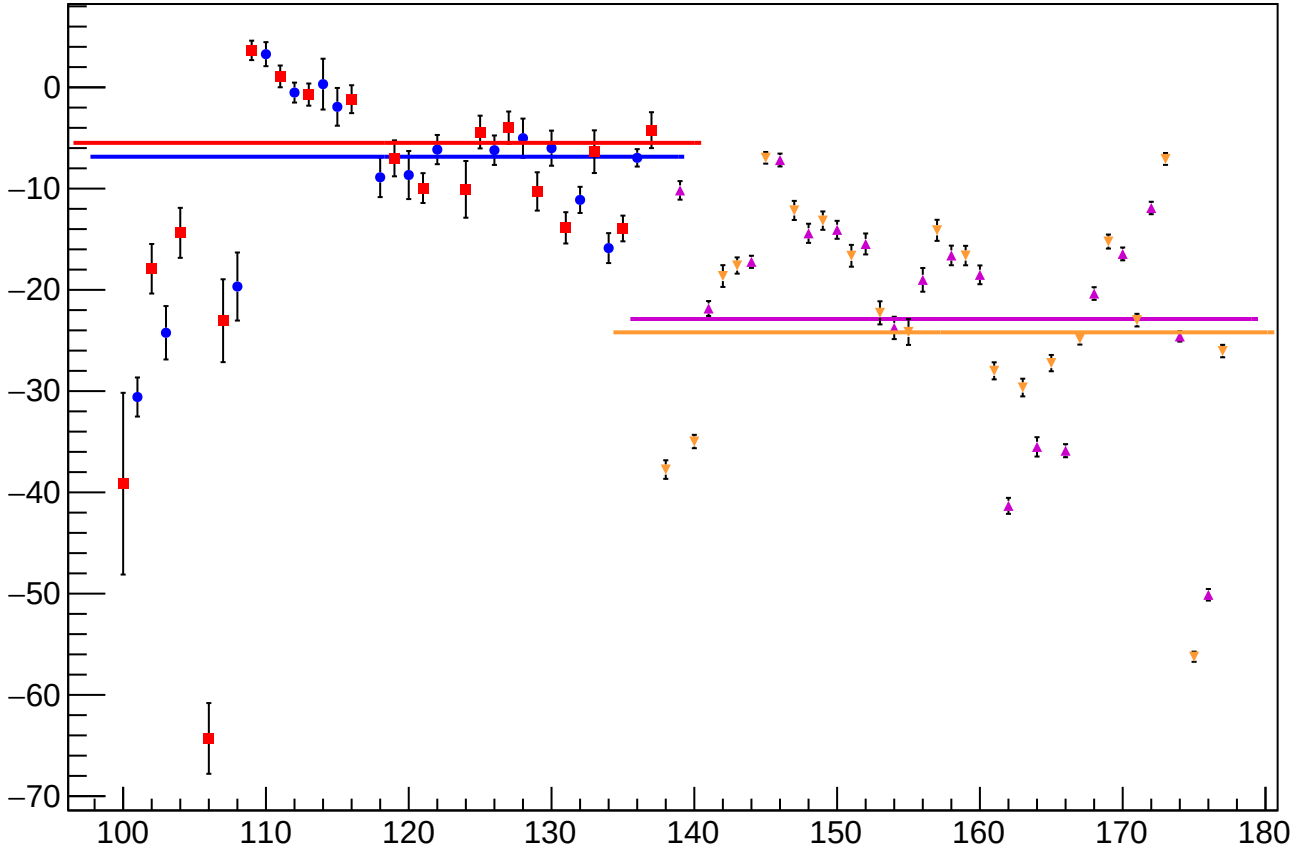
Left In: 0.187+/-0.003 χ^2/NDF:1249.5/18

+ sign 0.174+/-0.003 χ^2/NDF: 1481.4/36

All: 0.173+/-0.002 χ^2/NDF: 3803.8/74

- sign 0.173+/-0.003 χ^2/NDF: 2322.3/37

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -24.196+/-0.165 χ^2/NDF:7148.0/20

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

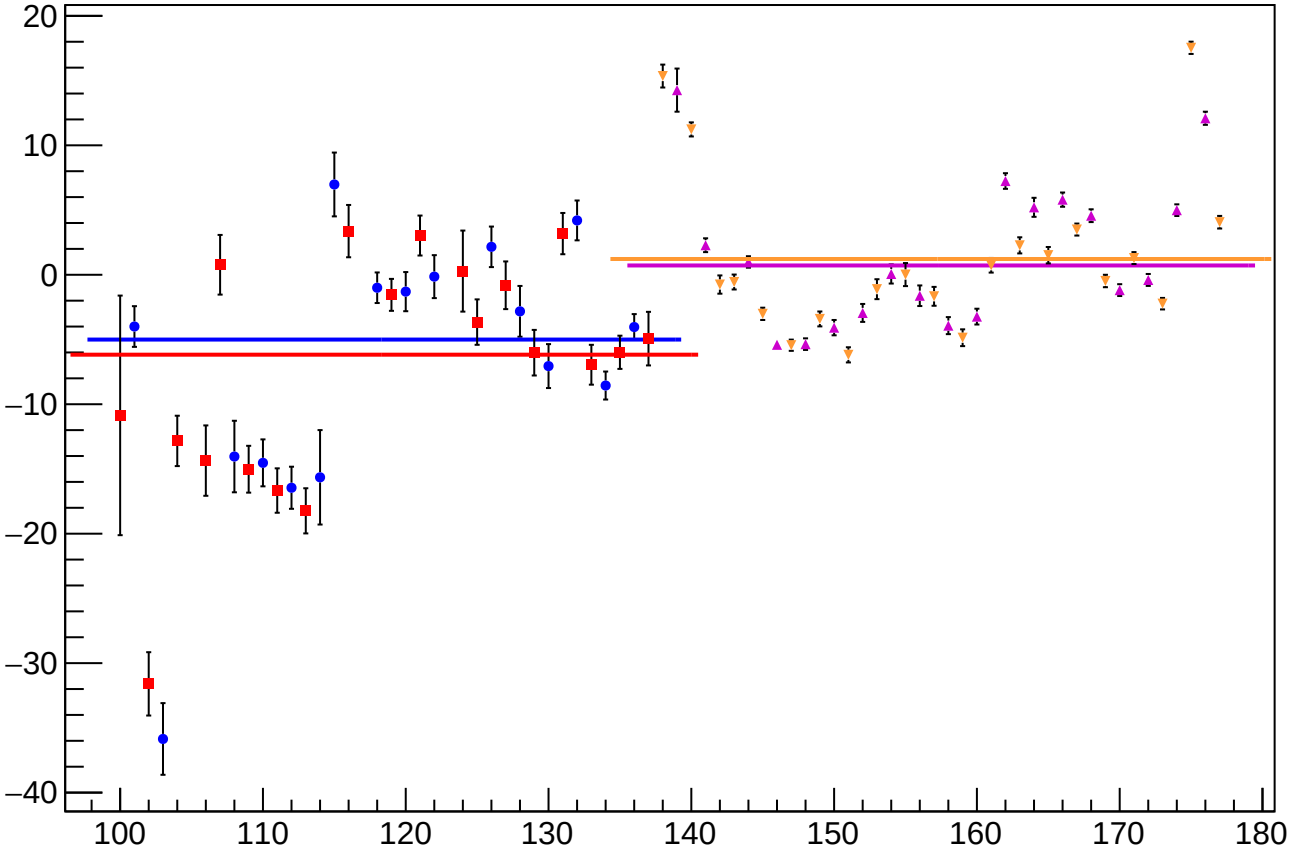
Left In: -22.878+/-0.169 χ^2/NDF:5051.2/18

+ sign -21.399+/-0.151 χ^2/NDF: 9326.2/36

All: -20.644+/-0.108 χ^2/NDF: 16872.0/74

- sign -19.862+/-0.154 χ^2/NDF: 7494.8/37

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 1.219+/-0.121 χ^2/NDF:2580.1/20

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

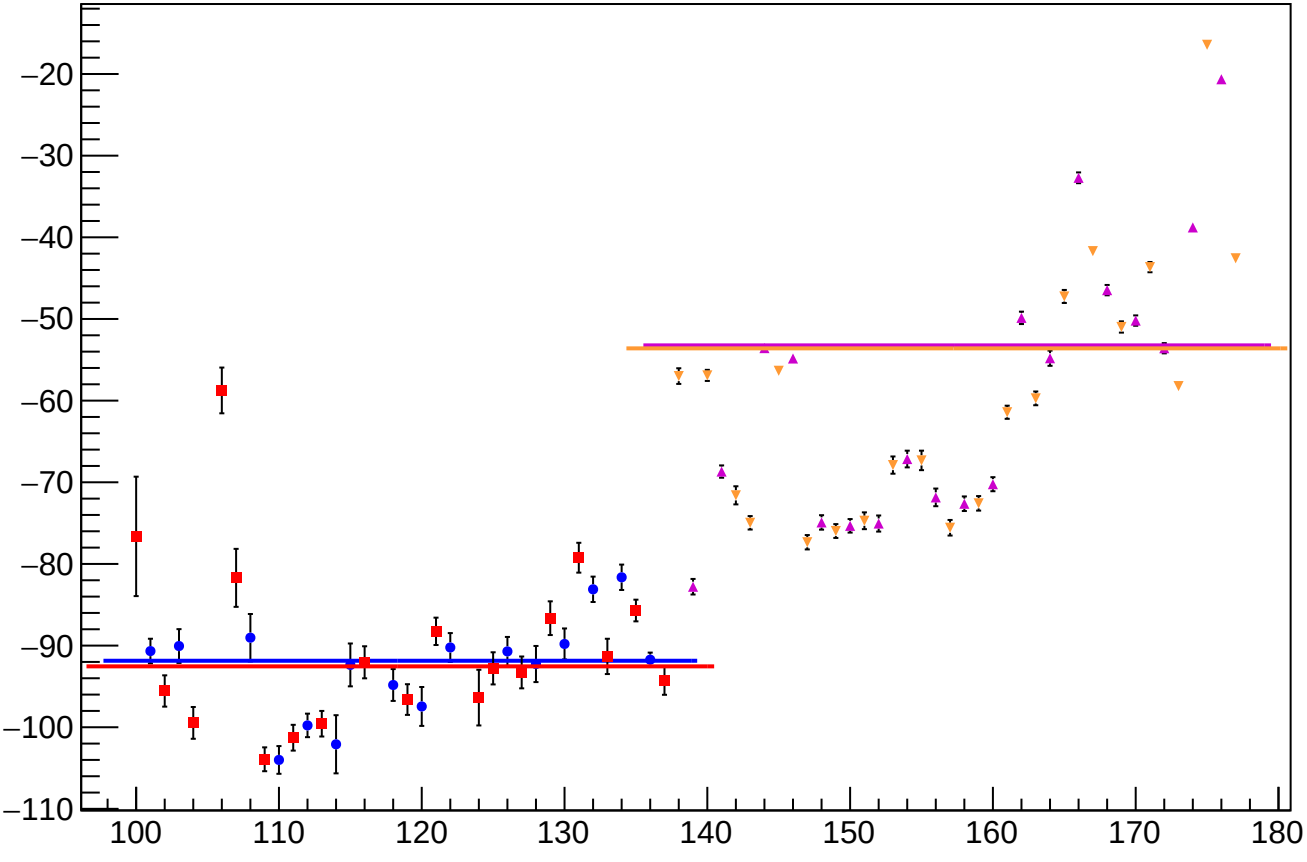
Left In: 0.719+/-0.124 χ^2/NDF:1633.8/18

+ sign 0.684+/-0.116 χ^2/NDF: 3148.4/36

All: 0.427+/-0.083 χ^2/NDF: 5412.9/74

- sign 0.155+/-0.119 χ^2/NDF: 2254.3/37

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -53.600+/-0.164 χ^2/NDF:10839.5/20

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

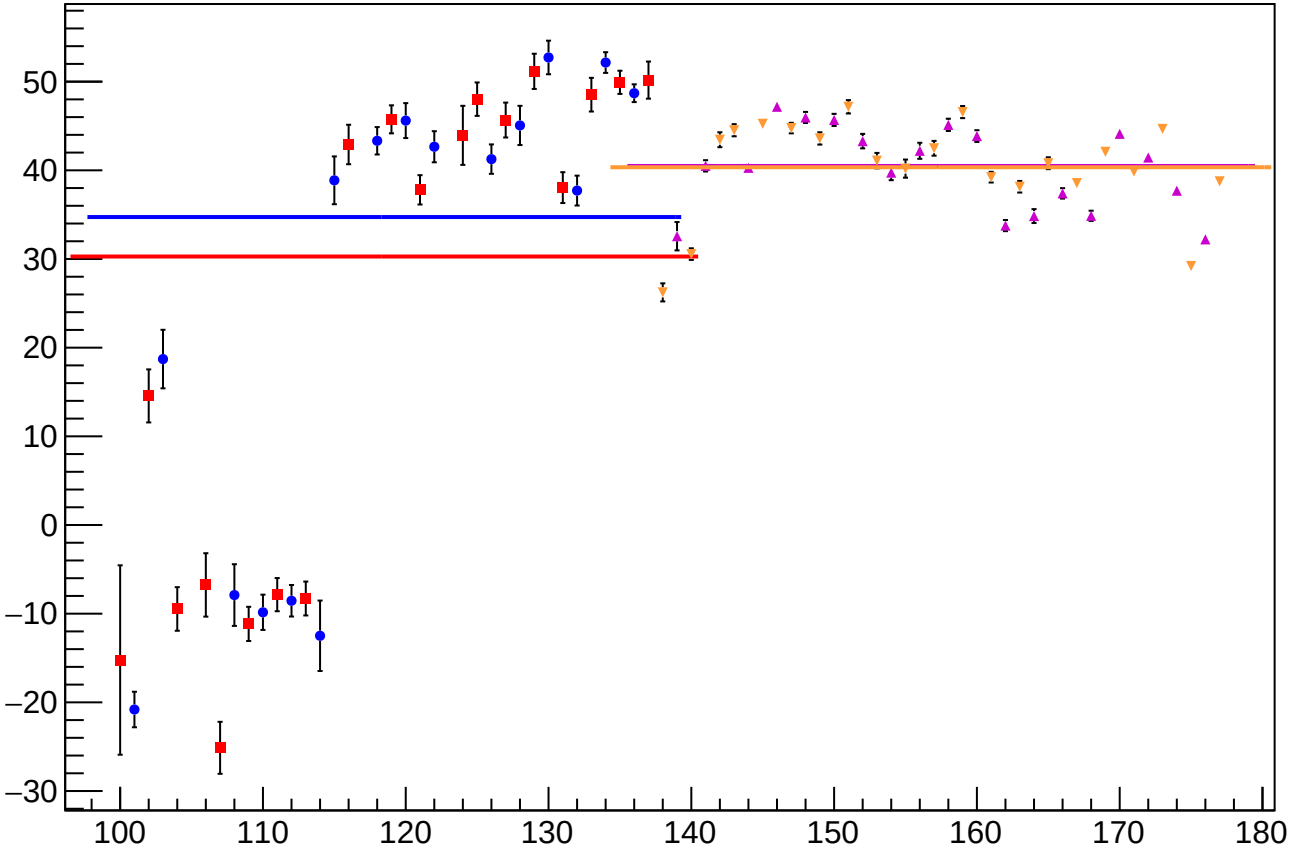
Left In: -53.234+/-0.168 χ^2/NDF:9672.8/18

+ sign -58.570+/-0.153 χ^2/NDF: 18098.7/36

All: -58.417+/-0.110 χ^2/NDF: 35147.3/74

- sign -58.256+/-0.157 χ^2/NDF: 17046.6/37

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 40.344+/-0.137 χ^2/NDF:1429.1/20

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

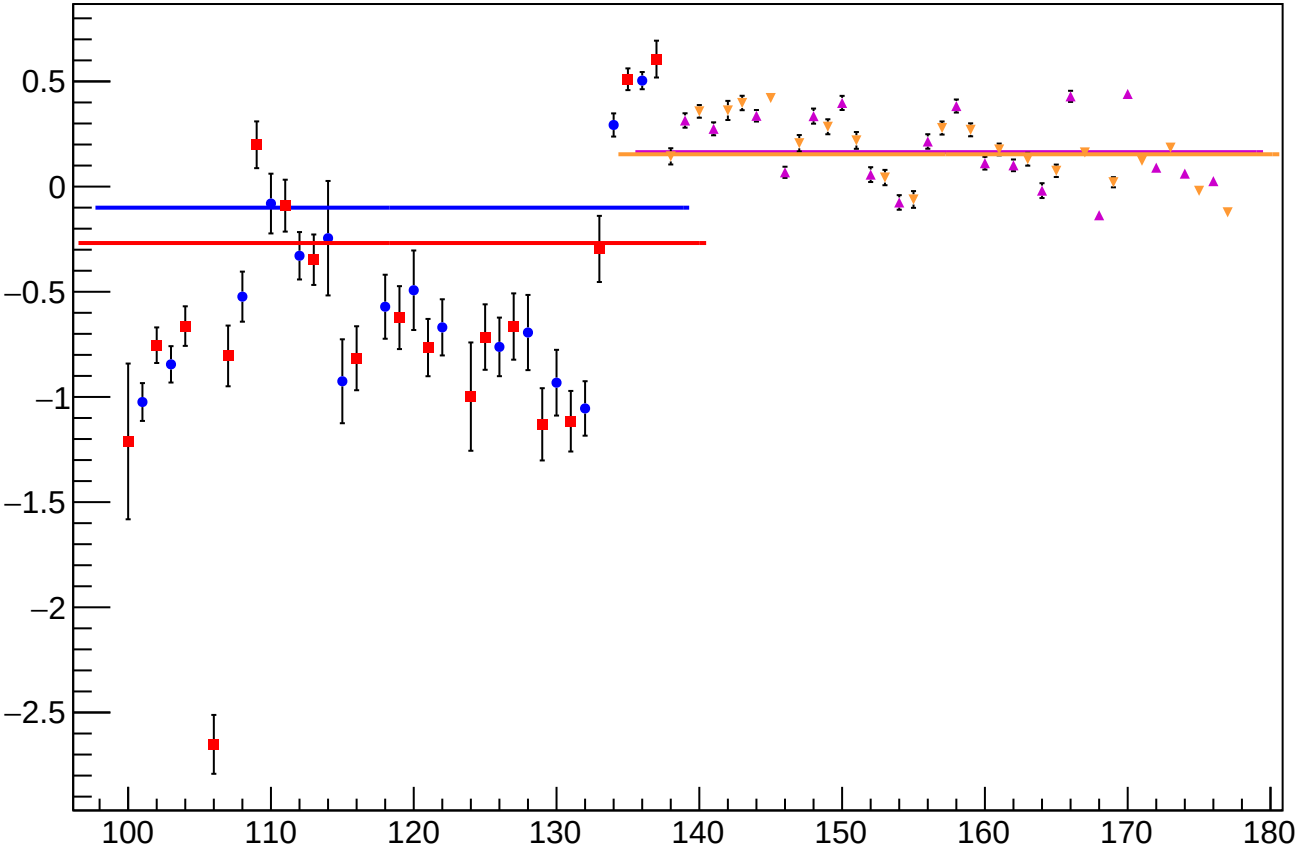
Left In: 40.490+/-0.141 χ^2/NDF:1059.1/18

\+ sign 39.851+/-0.131 χ^2/NDF: 4385.6/36

All: 39.746+/-0.094 χ^2/NDF: 8794.9/74

\- sign 39.634+/-0.135 χ^2/NDF: 4408.1/37

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.154+/-0.006 χ^2/NDF:595.8/20

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

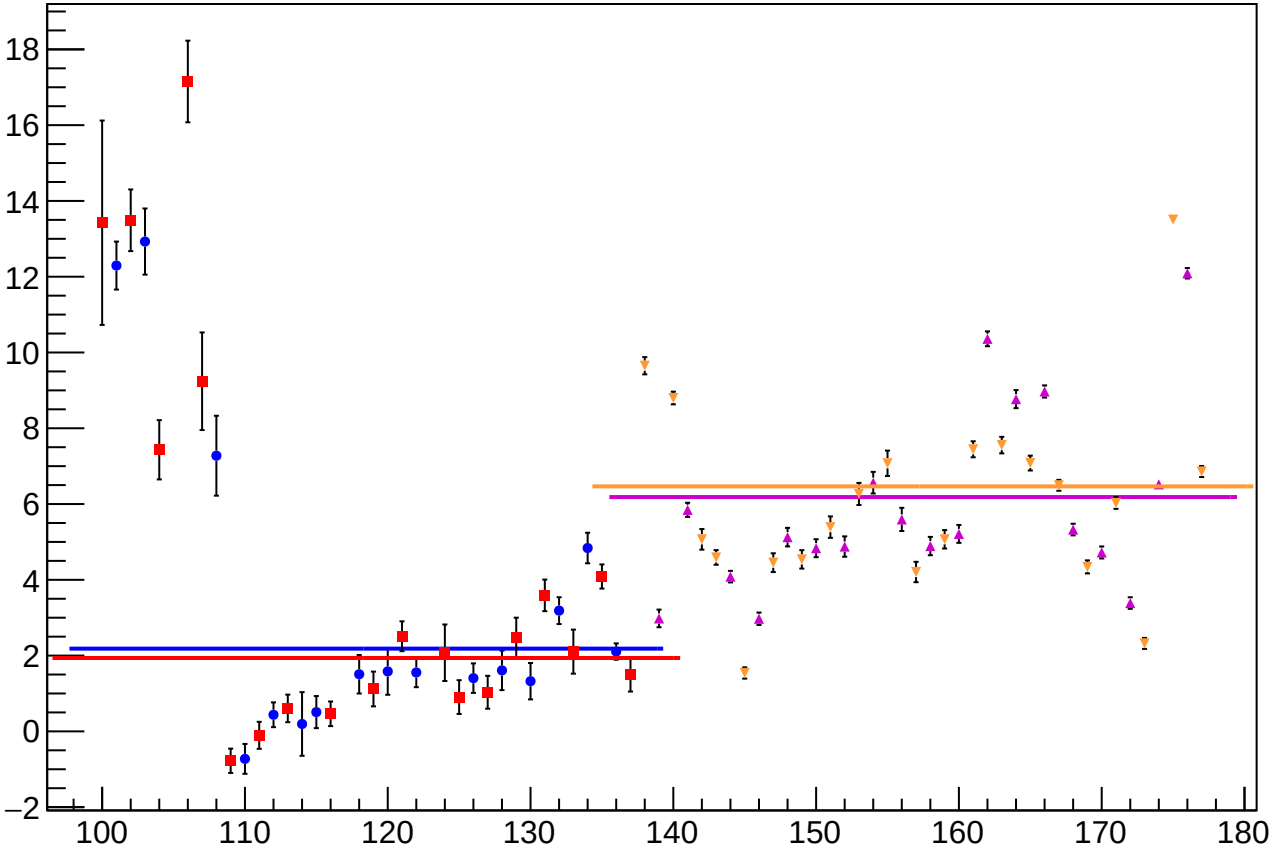
Left In: 0.164+/-0.006 χ^2/NDF:827.2/18

+ sign 0.138+/-0.006 χ^2/NDF: 1332.0/36

All: 0.139+/-0.004 χ^2/NDF: 3236.3/74

- sign 0.141+/-0.006 χ^2/NDF: 1904.2/37

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: 6.466+/-0.041 χ^2/NDF:6291.7/20

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

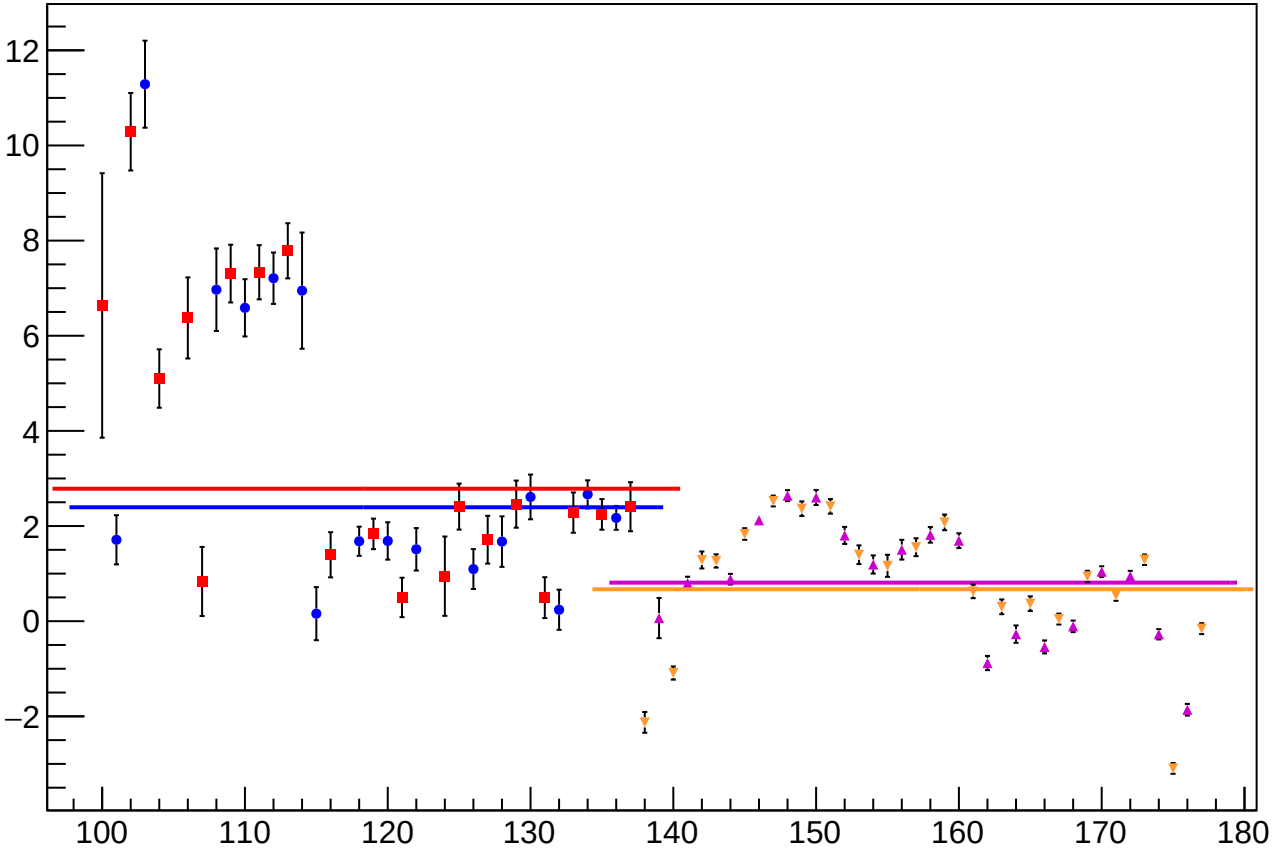
Left In: 6.185+/-0.042 χ^2/NDF:4064.2/18

+ sign 5.898+/-0.038 χ^2/NDF: 8334.0/36

All: 5.751+/-0.027 χ^2/NDF: 14543.1/74

- sign 5.596+/-0.039 χ^2/NDF: 6178.7/37

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.671+/-0.030 χ^2/NDF:2298.8/20

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

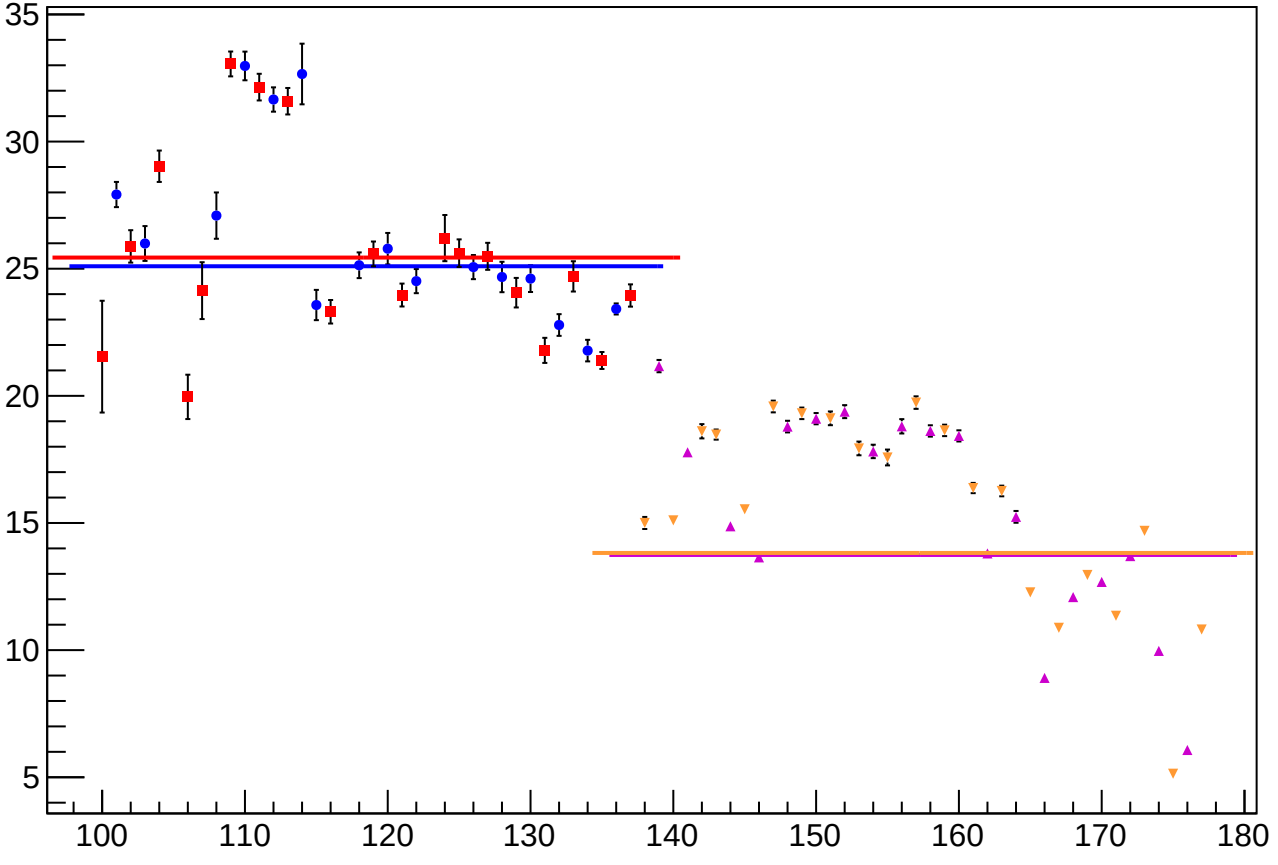
Left In: 0.810+/-0.031 χ^2/NDF:1586.0/18

\+ sign 0.797+/-0.029 χ^2/NDF: 2867.3/36

All: 0.868+/-0.021 χ^2/NDF: 5147.2/74

\- sign 0.944+/-0.030 χ^2/NDF: 2267.5/37

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: 13.822+/-0.041 χ^2/NDF:10698.1/20

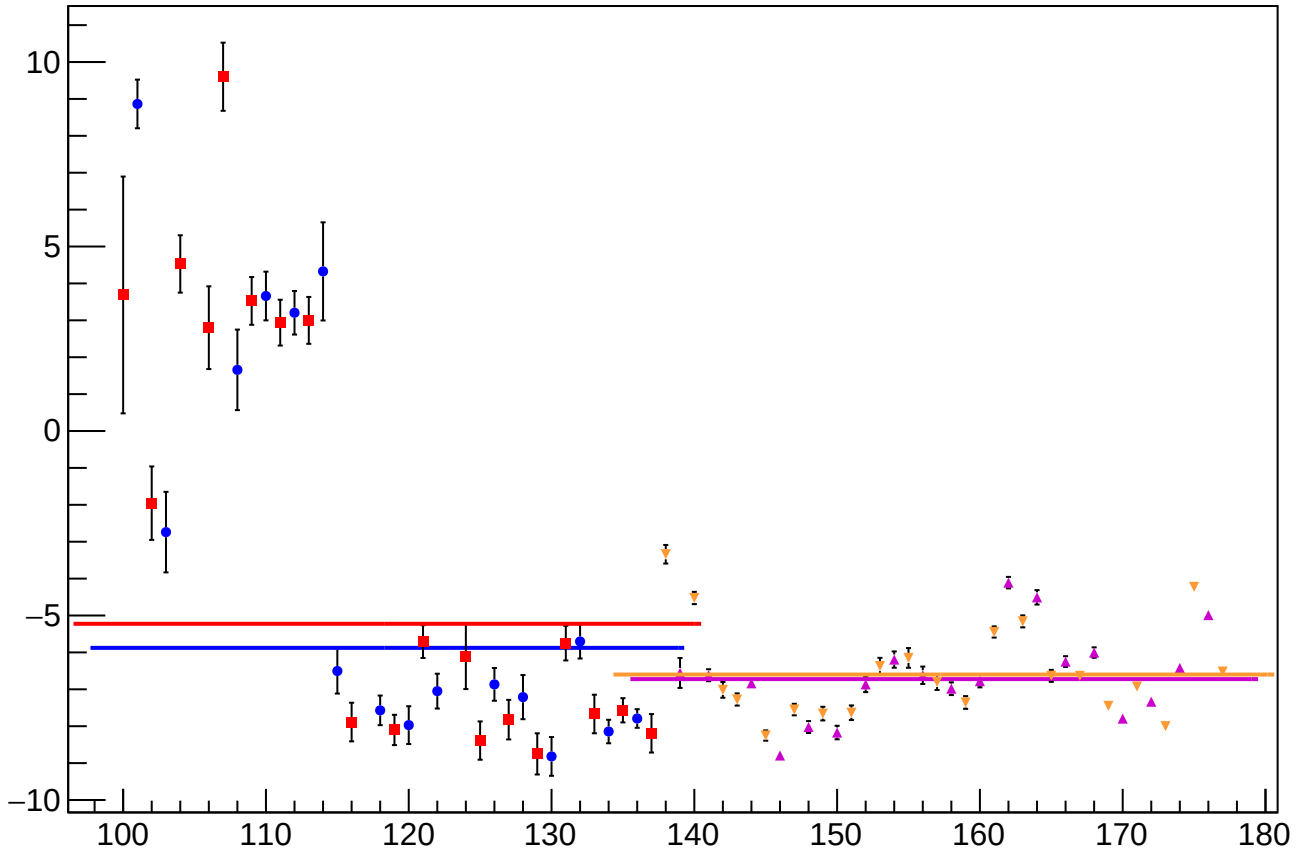
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 13.743+/-0.042 χ^2/NDF:9518.2/18

+ sign 15.038+/-0.039 χ^2/NDF: 19529.8/36

All: 14.997+/-0.028 χ^2/NDF: 37900.5/74

- sign 14.952+/-0.040 χ^2/NDF: 18368.4/37



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.600+/-0.034 χ^2/NDF:1324.3/20

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

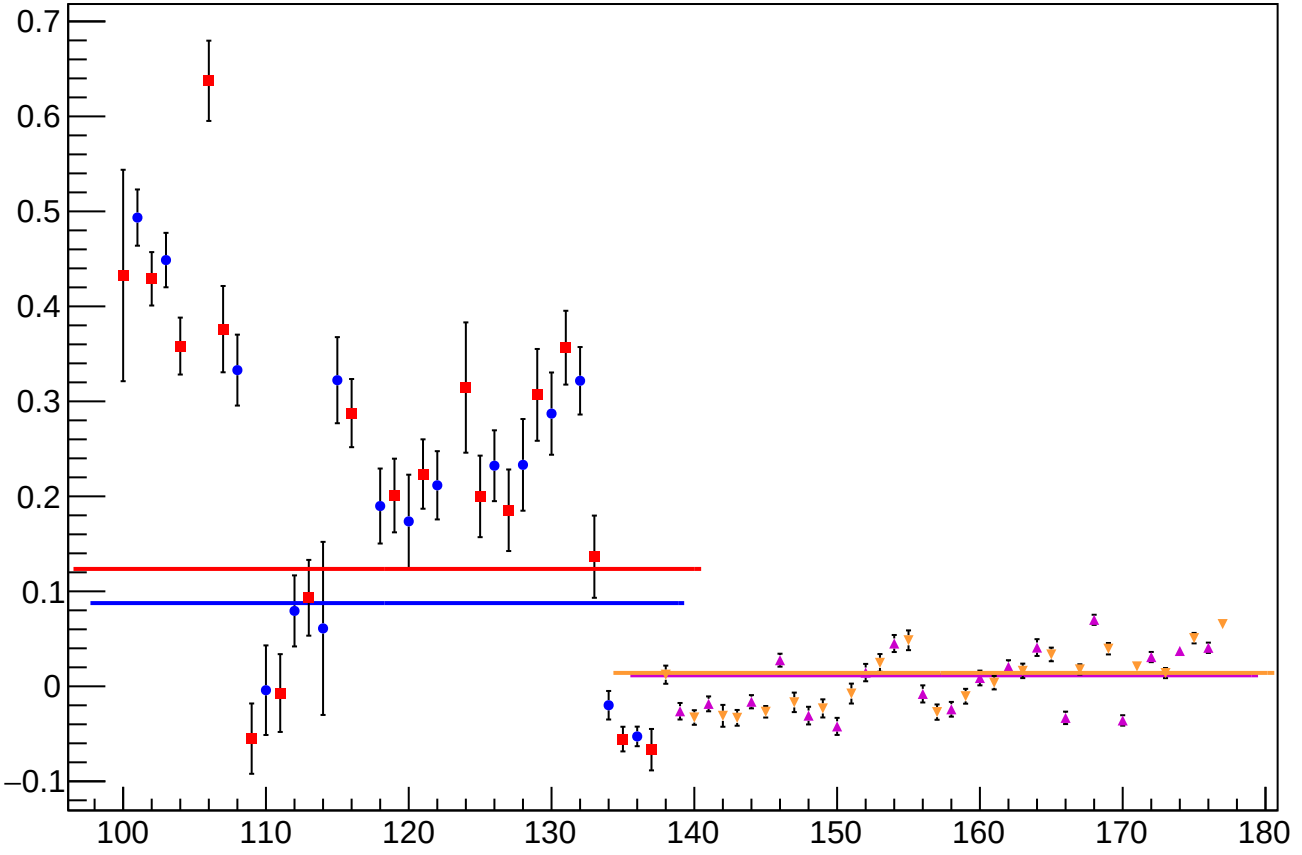
Left In: -6.724+/-0.035 χ^2/NDF:1162.7/18

+ sign -6.546+/-0.033 χ^2/NDF: 2609.0/36

All: -6.581+/-0.024 χ^2/NDF: 5191.0/74

- sign -6.620+/-0.034 χ^2/NDF: 2579.5/37

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: 0.014+/-0.002 χ^2/NDF:382.8/20

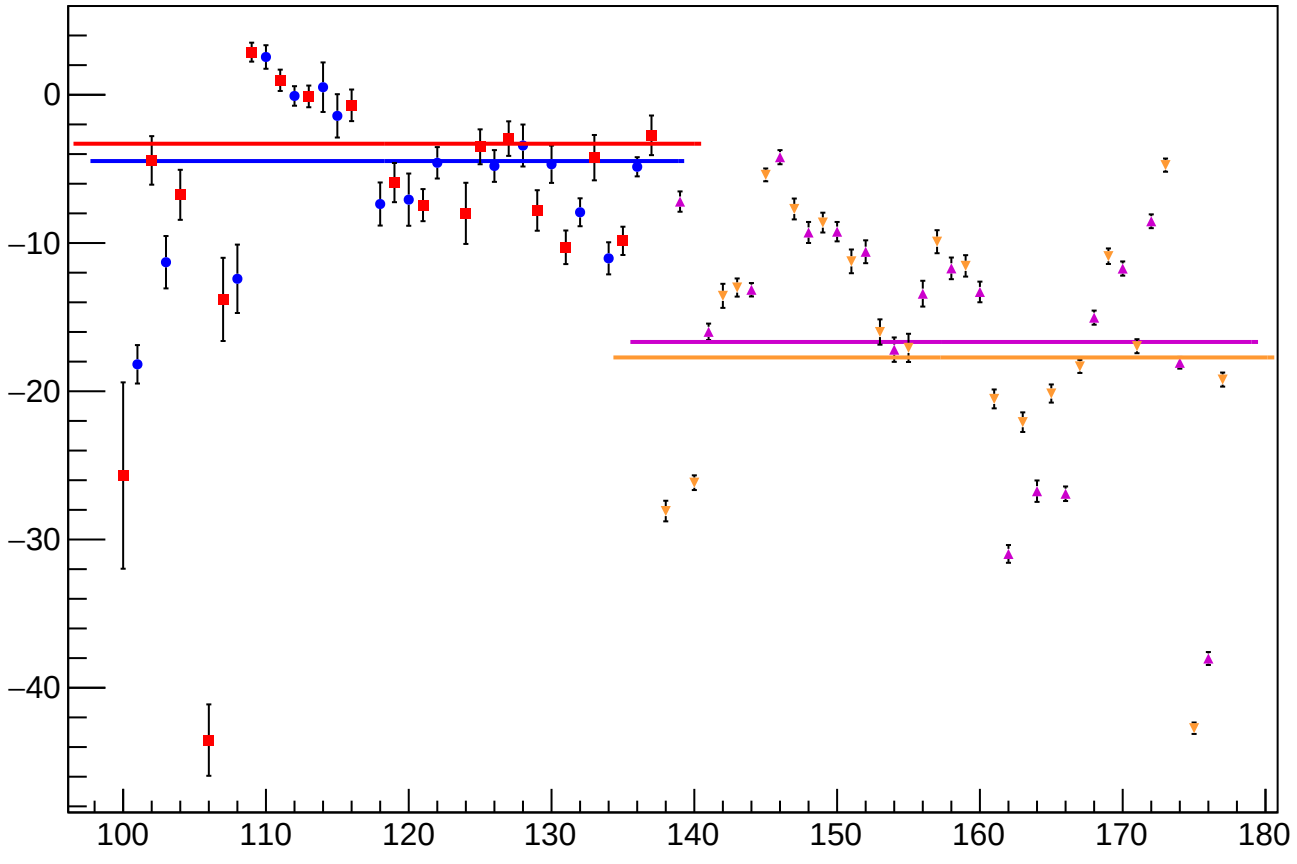
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.012+/-0.002 χ^2/NDF:477.3/18

+ sign 0.018+/-0.002 χ^2/NDF: 1268.7/36

All: 0.017+/-0.001 χ^2/NDF: 2731.9/74

- sign 0.017+/-0.002 χ^2/NDF: 1462.8/37



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -17.718+/-0.125 χ^2/NDF:7358.0/20

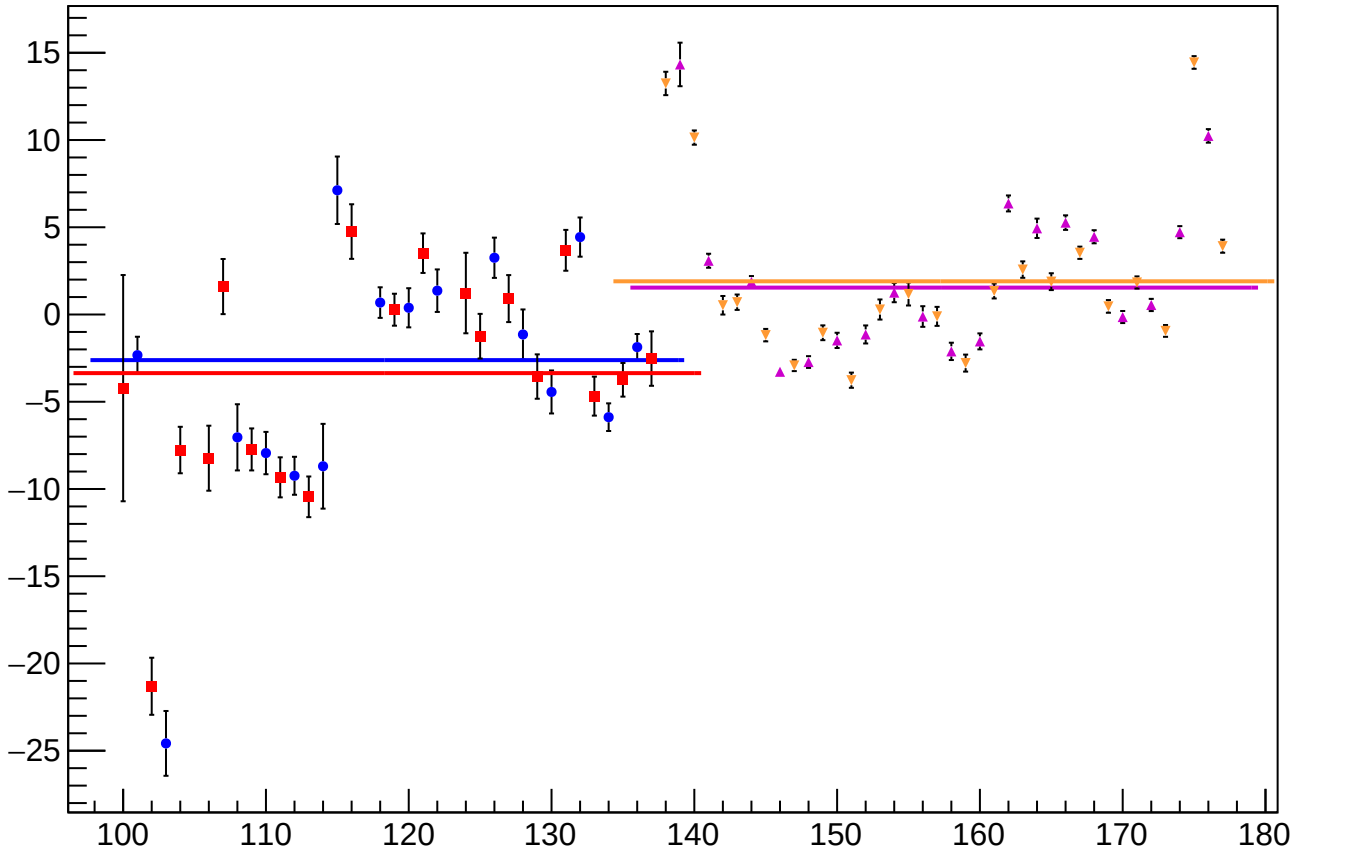
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -16.674+/-0.128 χ^2/NDF:5357.0/18

+ sign -15.370+/-0.113 χ^2/NDF: 9693.7/36

All: -14.739+/-0.081 χ^2/NDF: 17819.0/74

- sign -14.089+/-0.115 χ^2/NDF: 8061.9/37



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.903+/-0.091 χ^2/NDF:2664.7/20

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

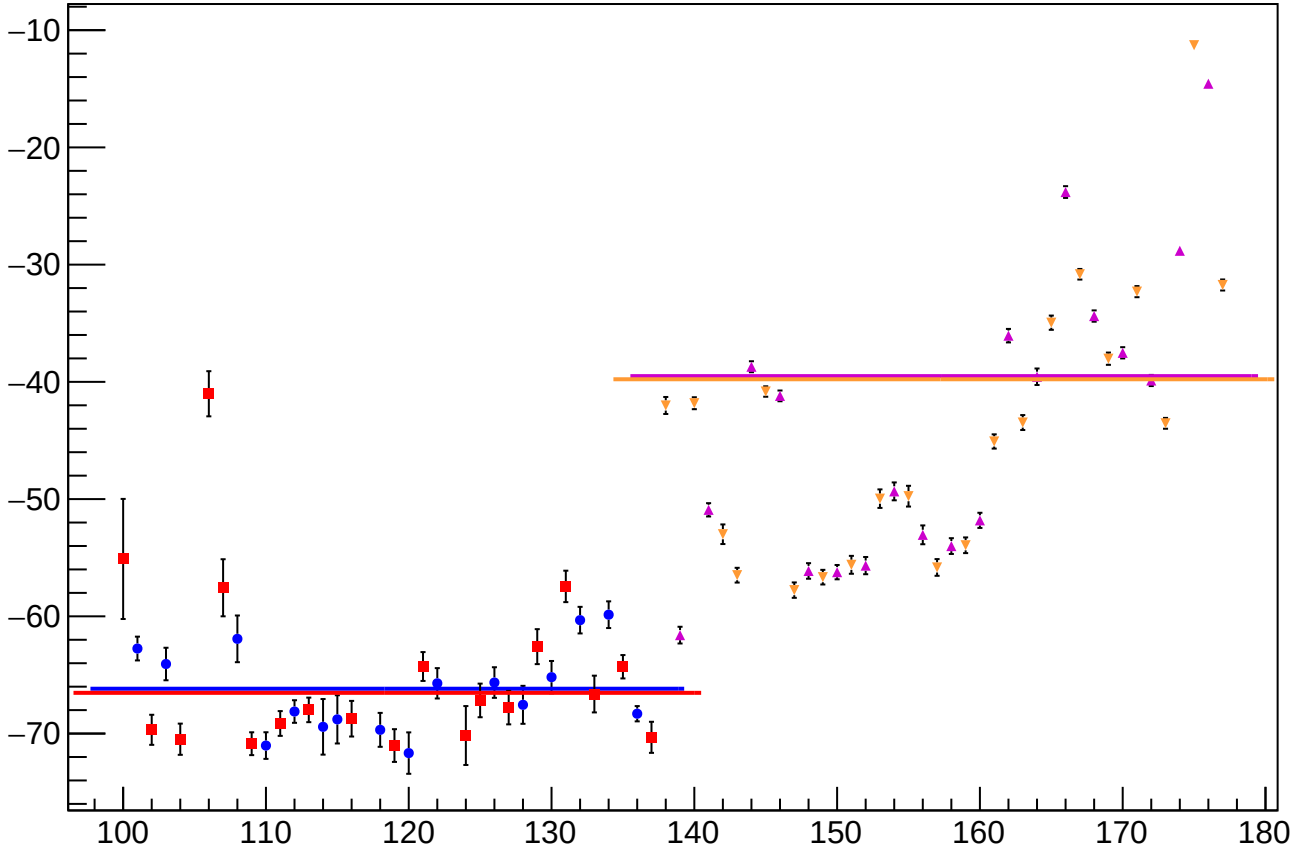
Left In: 1.541+/-0.094 χ^2/NDF:1658.7/18

+ sign 1.483+/-0.087 χ^2/NDF: 3243.4/36

All: 1.297+/-0.062 χ^2/NDF: 5515.9/74

- sign 1.100+/-0.090 χ^2/NDF: 2263.2/37

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -39.778+/-0.124 χ^2/NDF:10777.1/20

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

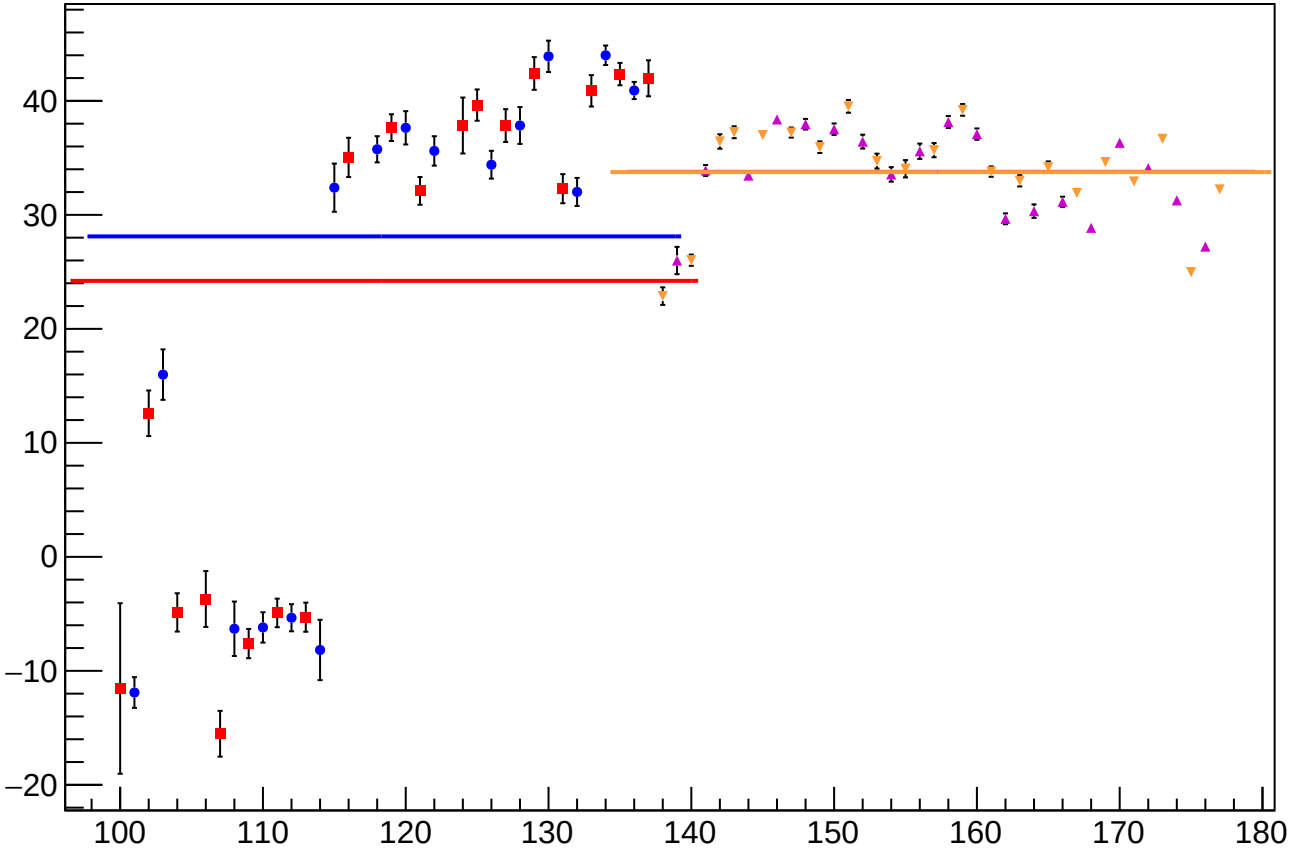
Left In: -39.510+/-0.127 χ^2/NDF:9647.2/18

+ sign -43.531+/-0.115 χ^2/NDF: 17361.0/36

All: -43.437+/-0.082 χ^2/NDF: 33747.2/74

- sign -43.338+/-0.118 χ^2/NDF: 16384.8/37

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.752+/-0.104 χ^2/NDF:1526.5/20

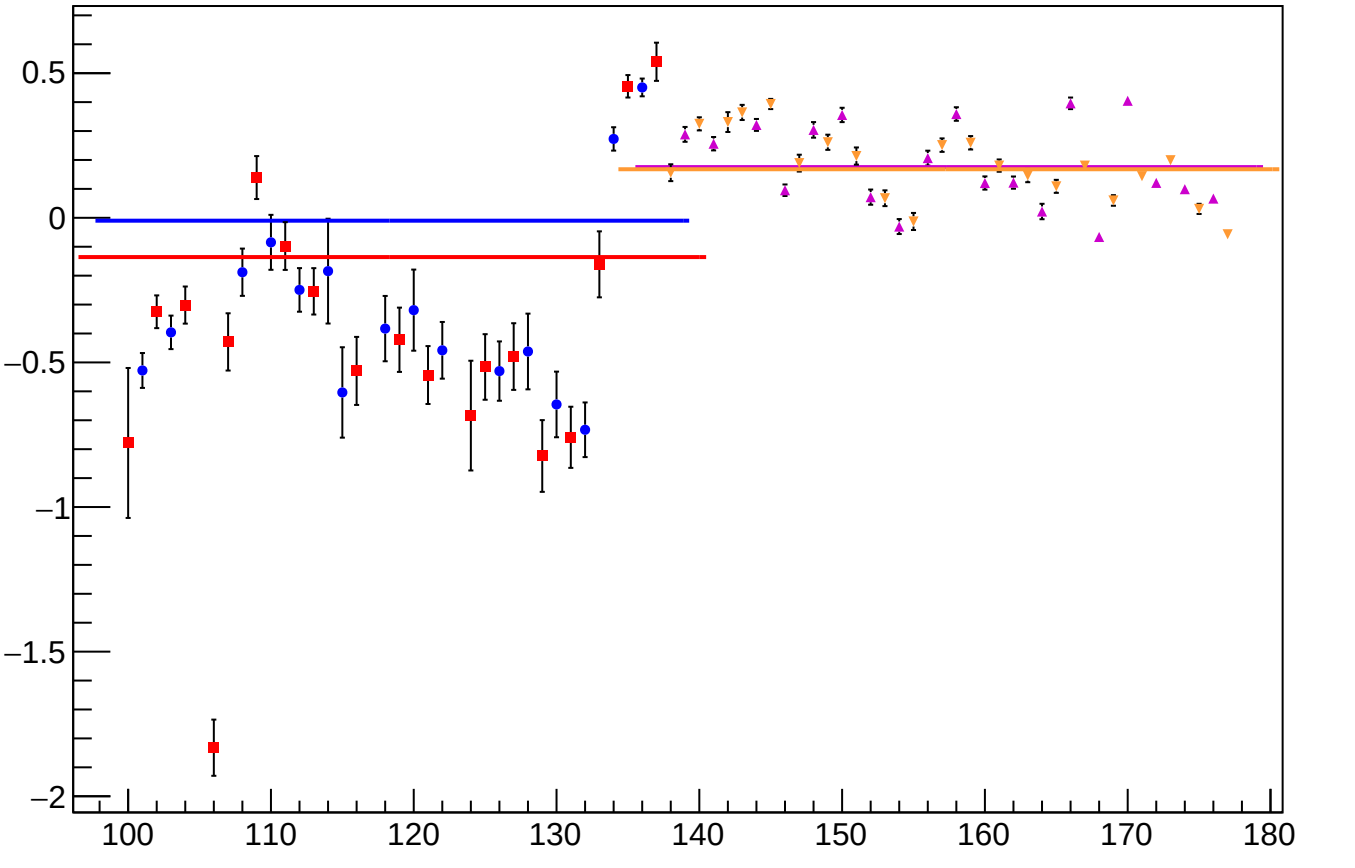
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 33.774+/-0.107 χ^2/NDF:1097.0/18

\+ sign 33.216+/-0.099 χ^2/NDF: 5535.3/36

All: 33.061+/-0.071 χ^2/NDF: 11216.5/74

\- sign 32.896+/-0.102 χ^2/NDF: 5676.0/37



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.168+/-0.005 χ^2/NDF:677.3/20

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

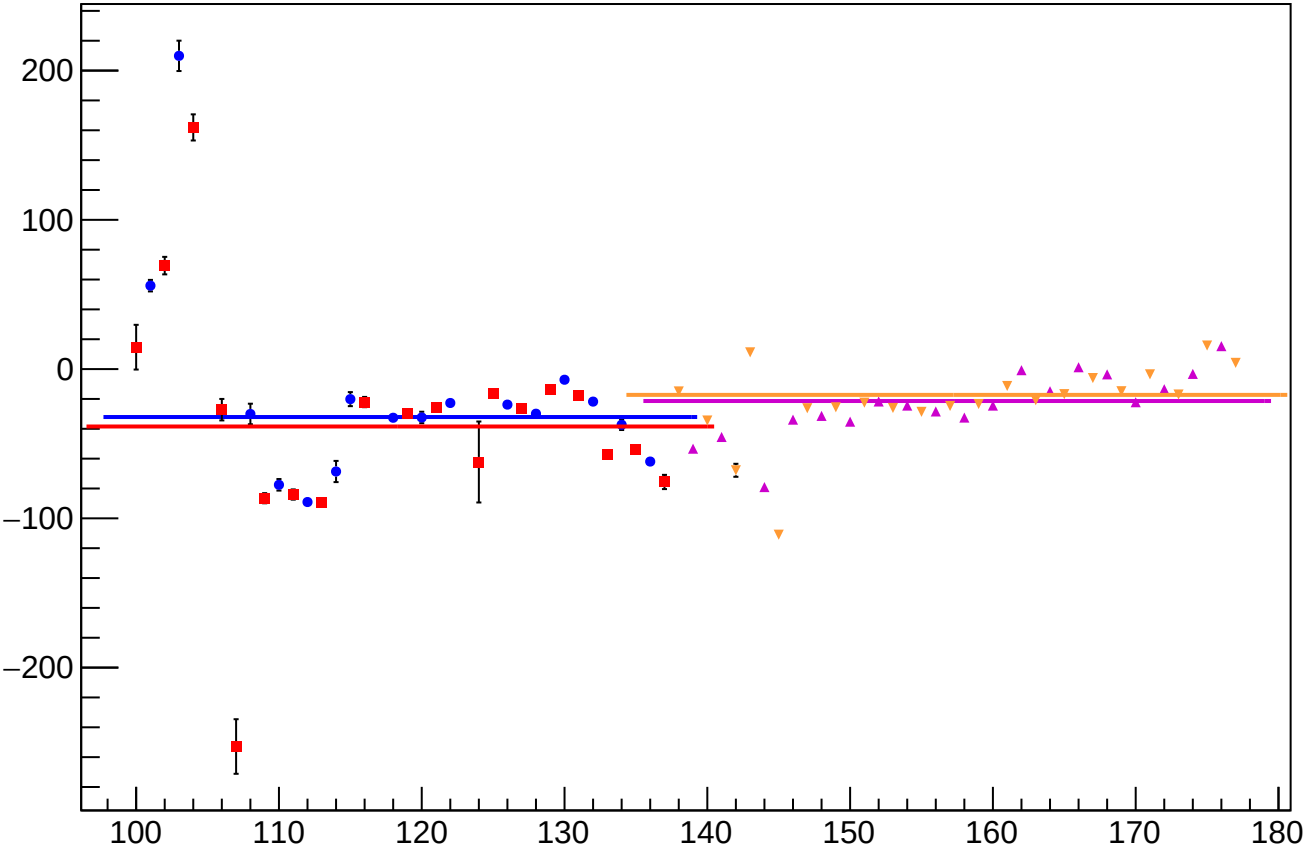
Left In: 0.175+/-0.005 χ^2/NDF:963.8/18

+ sign 0.156+/-0.005 χ^2/NDF: 1362.9/36

All: 0.156+/-0.003 χ^2/NDF: 3401.9/74

- sign 0.157+/-0.005 χ^2/NDF: 2039.0/37

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -17.278+/-0.596 χ^2/NDF:1606.7/20

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

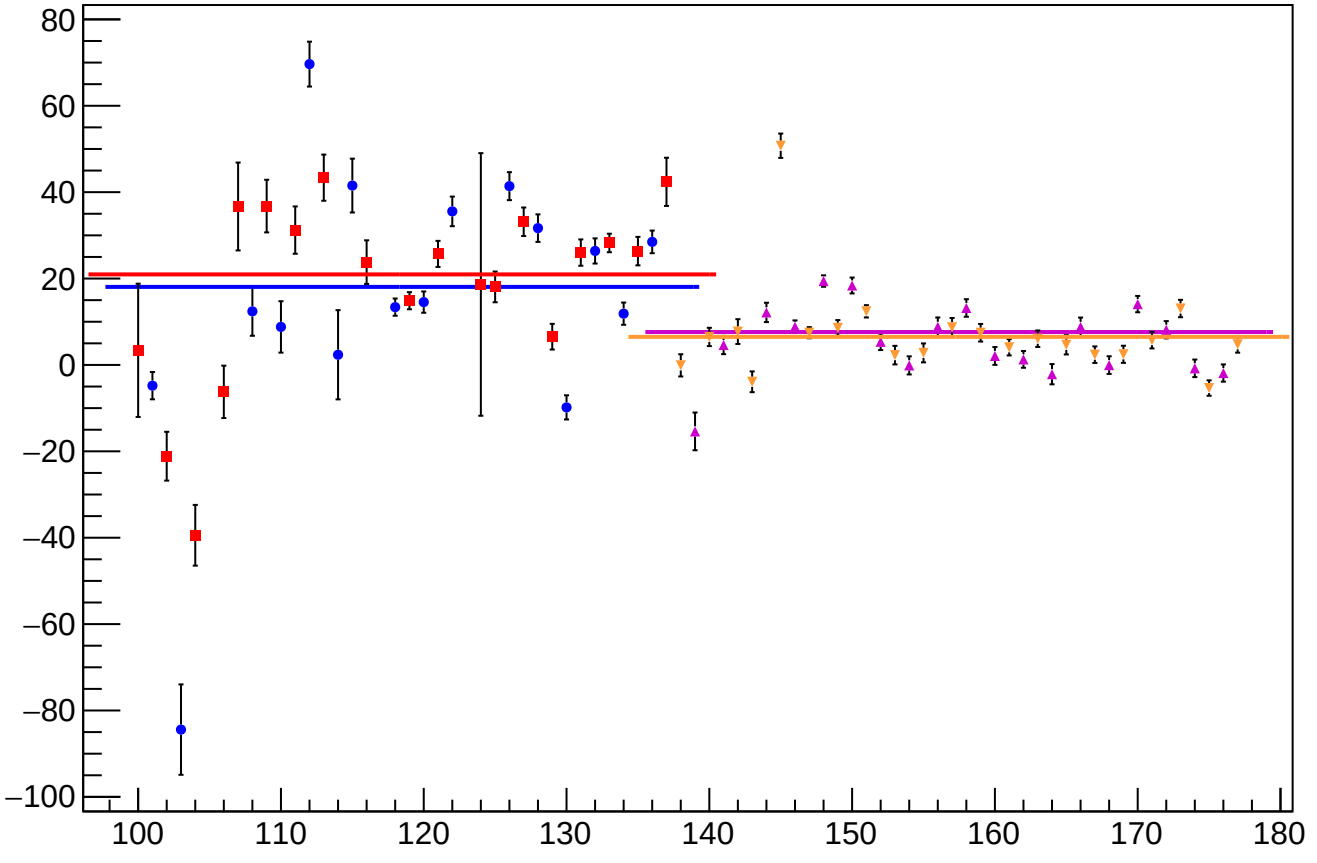
Left In: -21.392+/-0.619 χ^2/NDF:1233.7/18

+ sign -22.225+/-0.487 χ^2/NDF: 3690.9/36

All: -24.618+/-0.350 χ^2/NDF: 7204.9/74

- sign -27.176+/-0.503 χ^2/NDF: 3464.0/37

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 6.496+/-0.428 χ^2/NDF:366.1/20

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

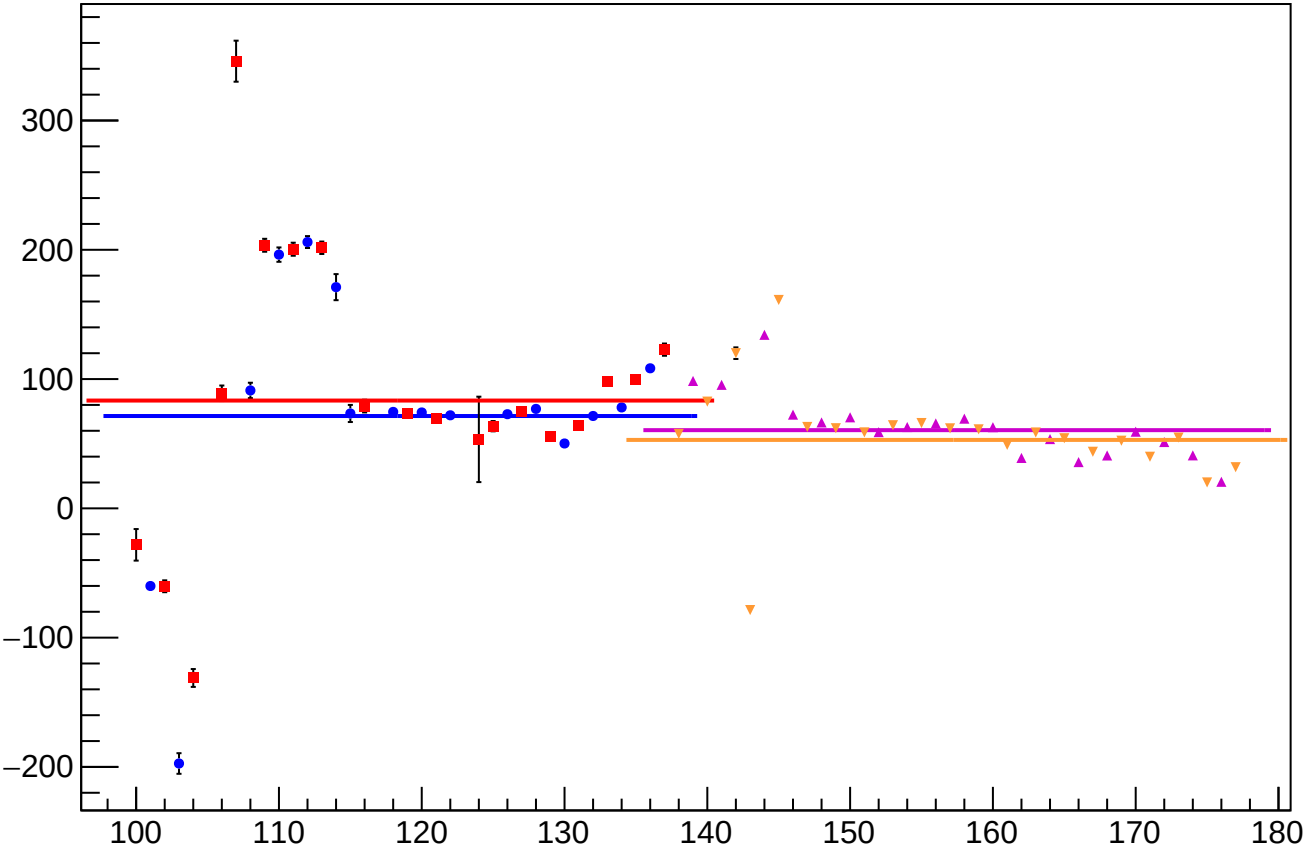
Left In: 7.616+/-0.450 χ^2/NDF:272.7/18

+ sign 8.964+/-0.380 χ^2/NDF: 1021.3/36

All: 9.666+/-0.275 χ^2/NDF: 1749.9/74

- sign 10.444+/-0.400 χ^2/NDF: 721.4/37

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 52.936+/-0.586 χ^2/NDF:3484.4/20

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

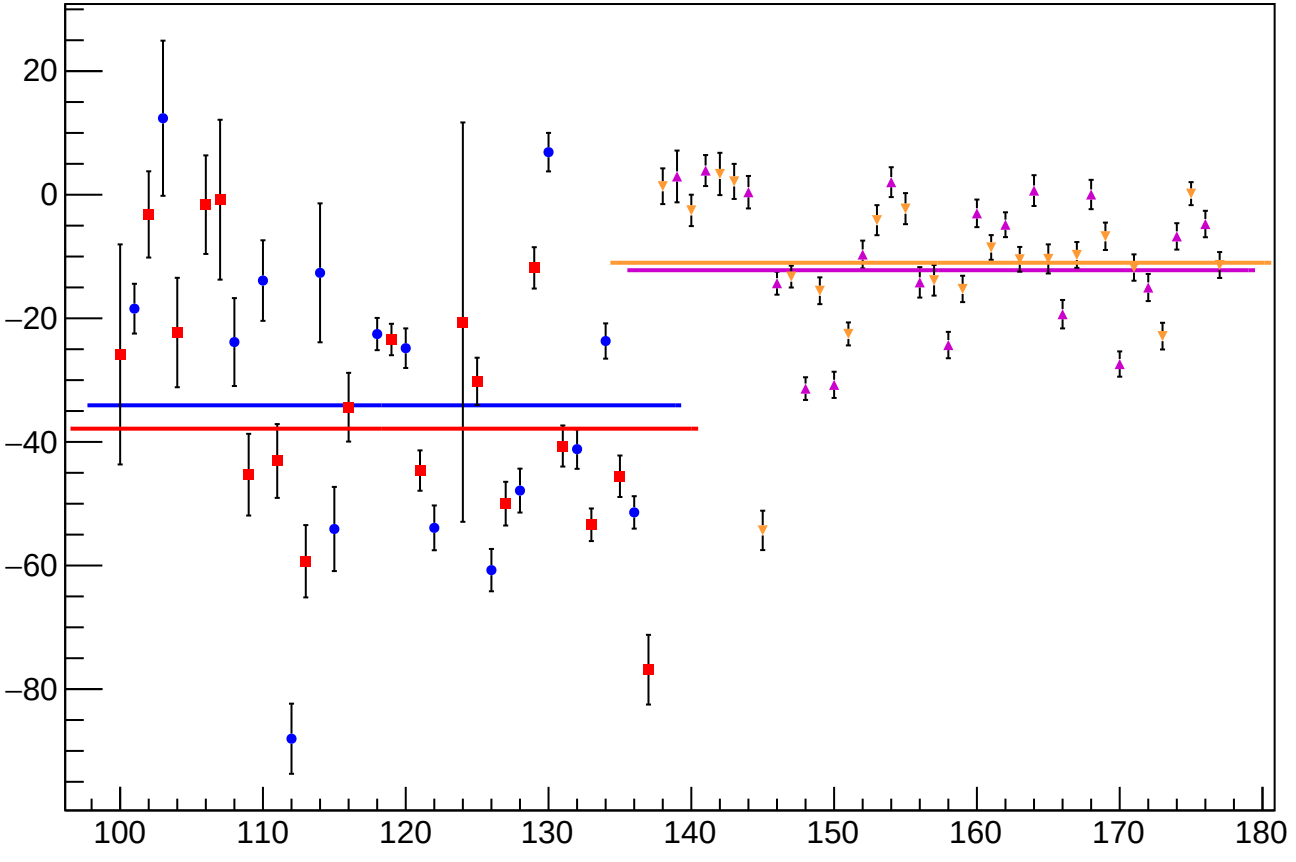
Left In: 60.487+/-0.609 χ^2/NDF:1622.3/18

+ sign 58.180+/-0.496 χ^2/NDF: 8586.3/36

All: 62.310+/-0.358 χ^2/NDF: 15041.9/74

- sign 66.811+/-0.518 χ^2/NDF: 6310.7/37

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.007+/-0.489 χ^2/NDF:395.3/20

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

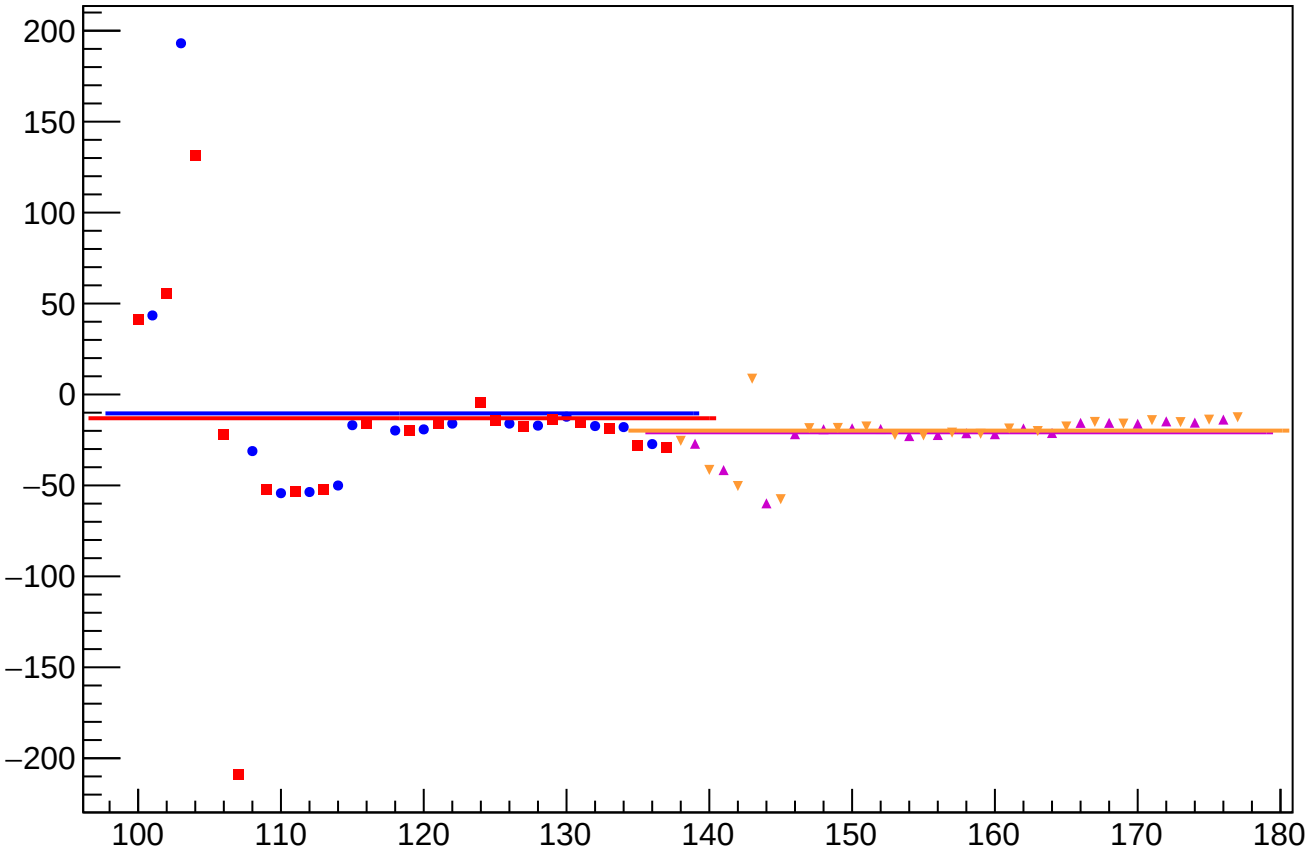
Left In: -12.216+/-0.514 χ^2/NDF:501.9/18

+ sign -15.905+/-0.434 χ^2/NDF: 1378.7/36

All: -16.724+/-0.315 χ^2/NDF: 2687.8/74

- sign -17.630+/-0.457 χ^2/NDF: 1301.5/37

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -19.865+/-0.022 χ^2/NDF:219271.5/20

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

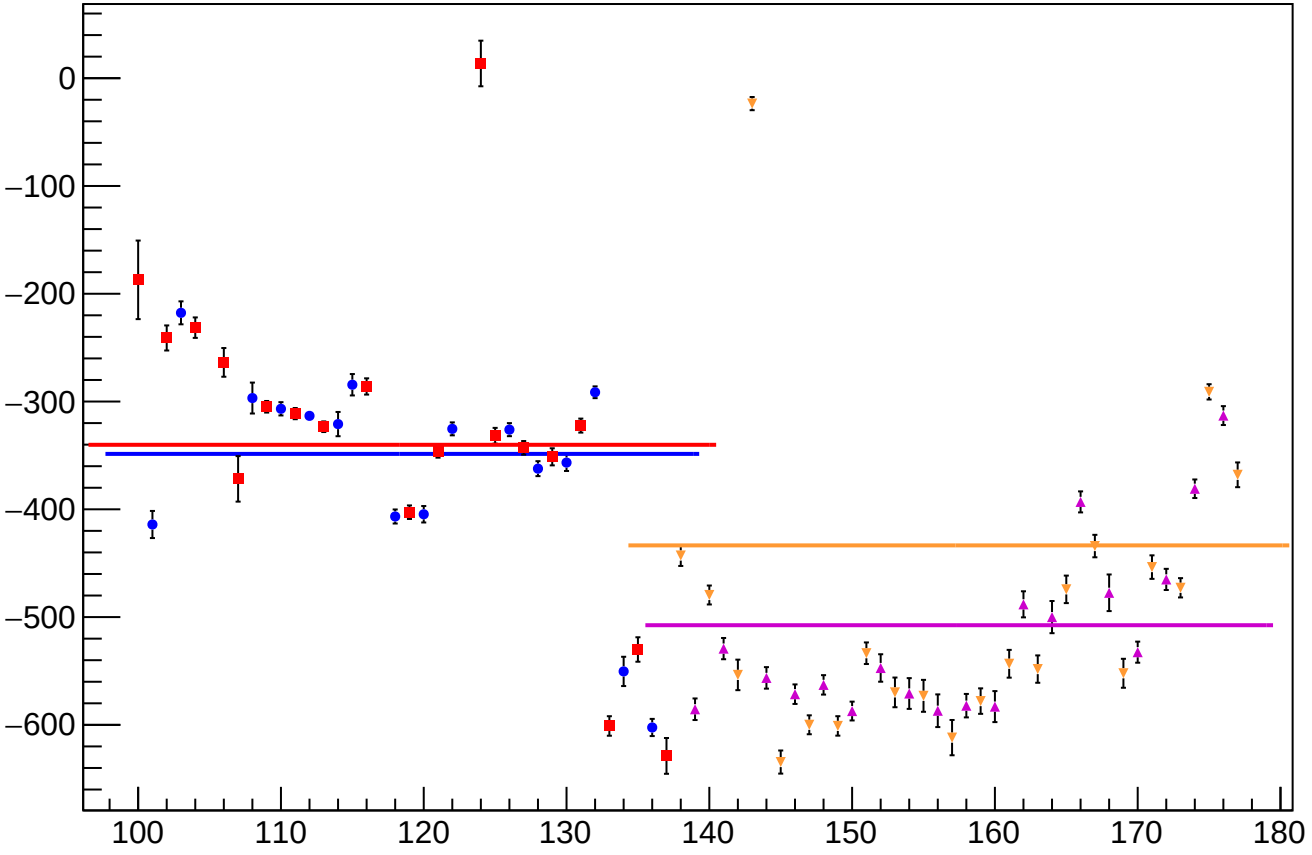
Left In: -20.793+/-0.023 χ^2/NDF:137653.0/18

+ sign -18.624+/-0.021 χ^2/NDF: 765715.5/36

All: -19.246+/-0.015 χ^2/NDF: 1368318.0/74

- sign -19.907+/-0.021 χ^2/NDF: 600715.9/37

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -433.473+/-2.229 χ^2/NDF:6895.2/20

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

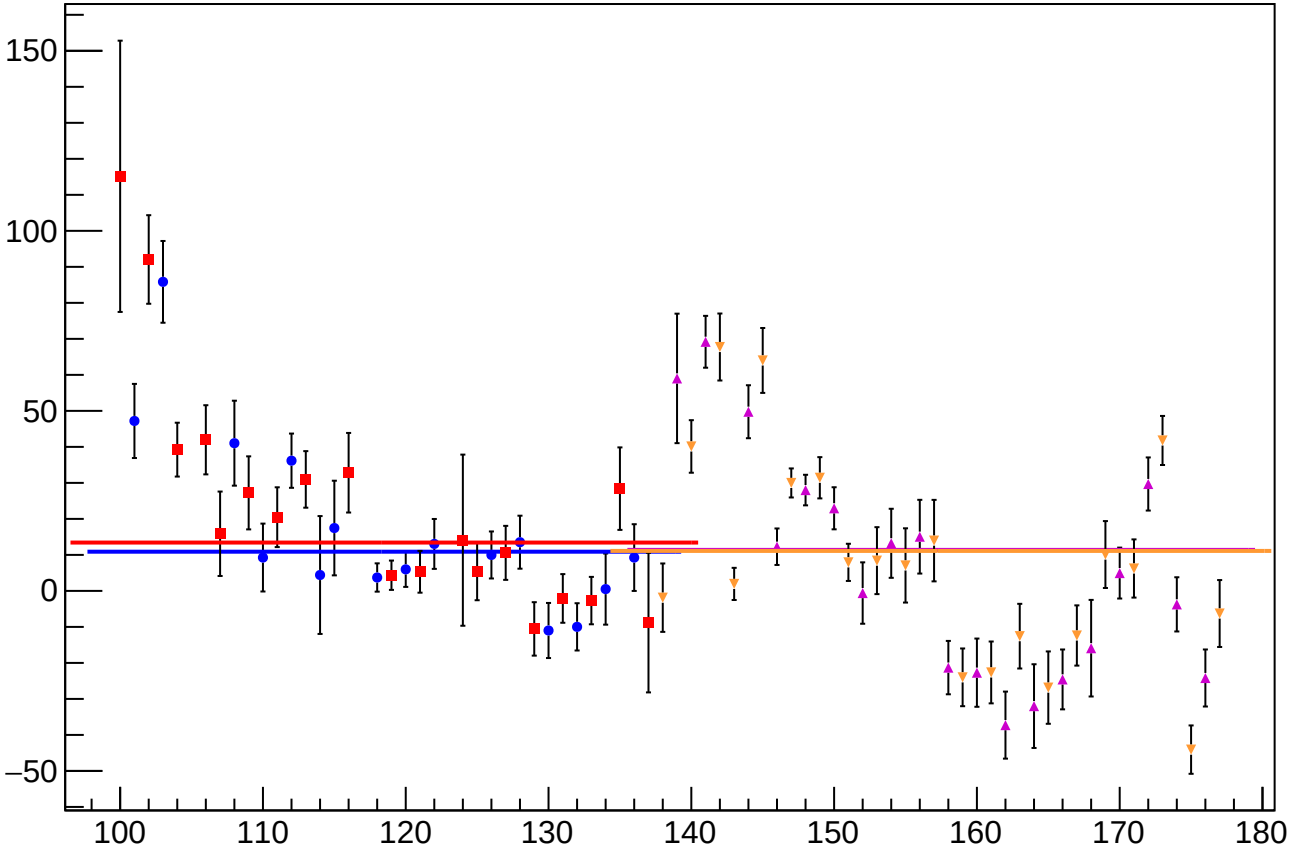
Left In: -507.537+/-2.431 χ^2/NDF:1269.9/18

\+ sign -382.652+/-1.412 χ^2/NDF: 9622.0/36

All: -390.103+/-1.003 χ^2/NDF: 16257.4/74

\- sign -397.695+/-1.425 χ^2/NDF: 6579.2/37

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 11.104+/-1.562 χ^2/NDF:283.9/20

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

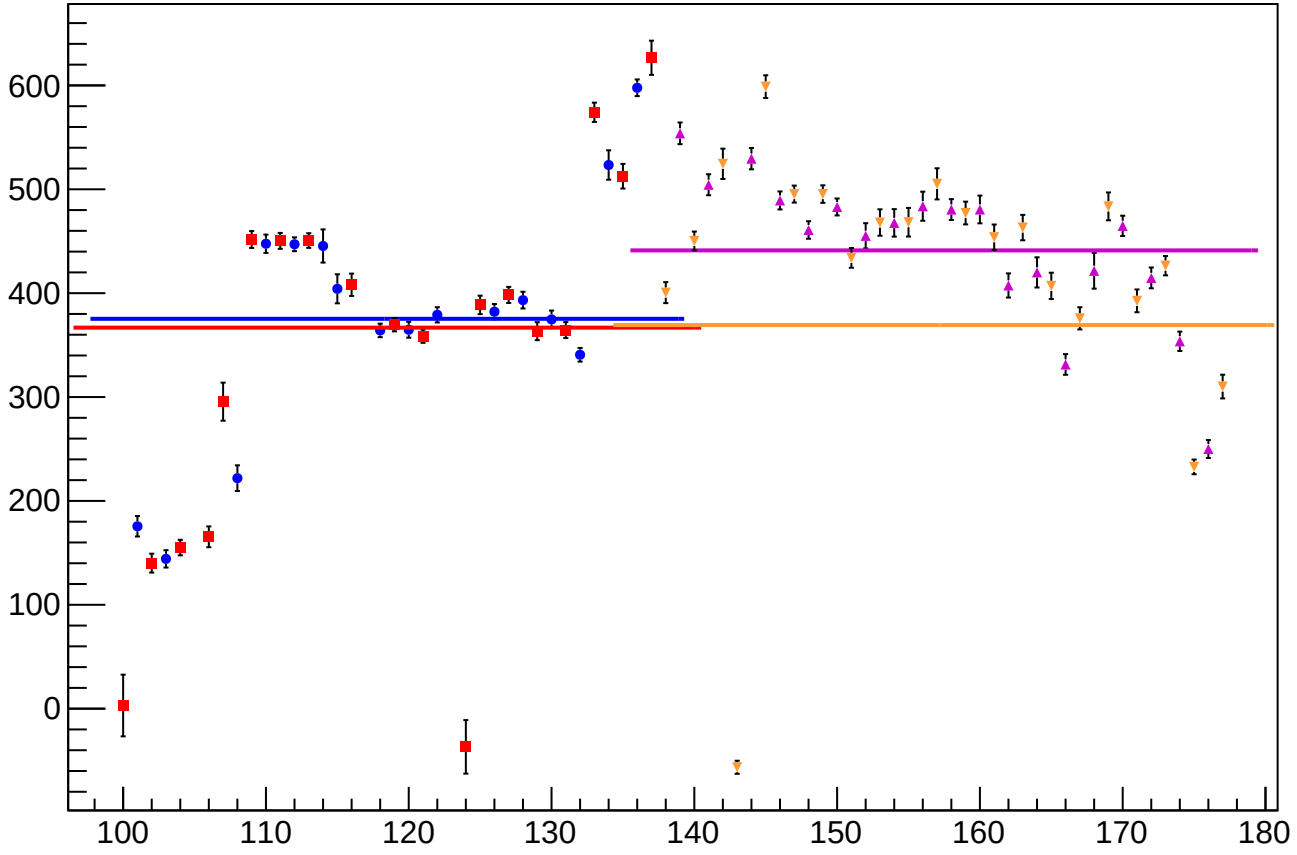
Left In: 11.389+/-1.717 χ^2/NDF:247.8/18

+ sign 11.014+/-1.191 χ^2/NDF: 382.2/36

All: 11.635+/-0.866 χ^2/NDF: 743.6/74

- sign 12.330+/-1.260 χ^2/NDF: 360.8/37

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 369.287+/-2.204 χ^2/NDF:6639.8/20

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

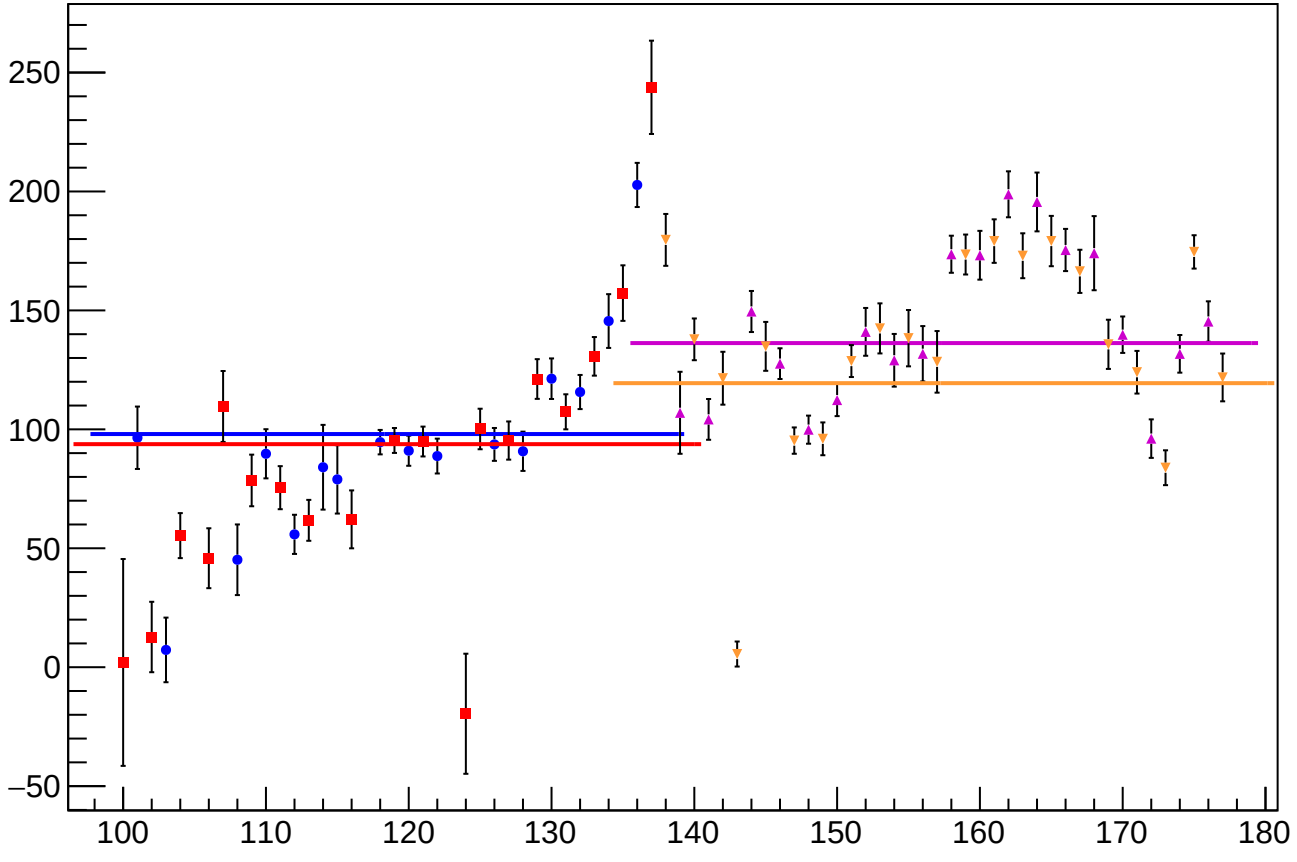
Left In: 441.199+/-2.391 χ^2/NDF:1054.2/18

+ sign 372.445+/-1.521 χ^2/NDF: 9093.2/36

All: 385.091+/-1.088 χ^2/NDF: 14387.6/74

- sign 398.323+/-1.556 χ^2/NDF: 5153.0/37

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 119.415+/-1.819 χ^2/NDF:809.0/20

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

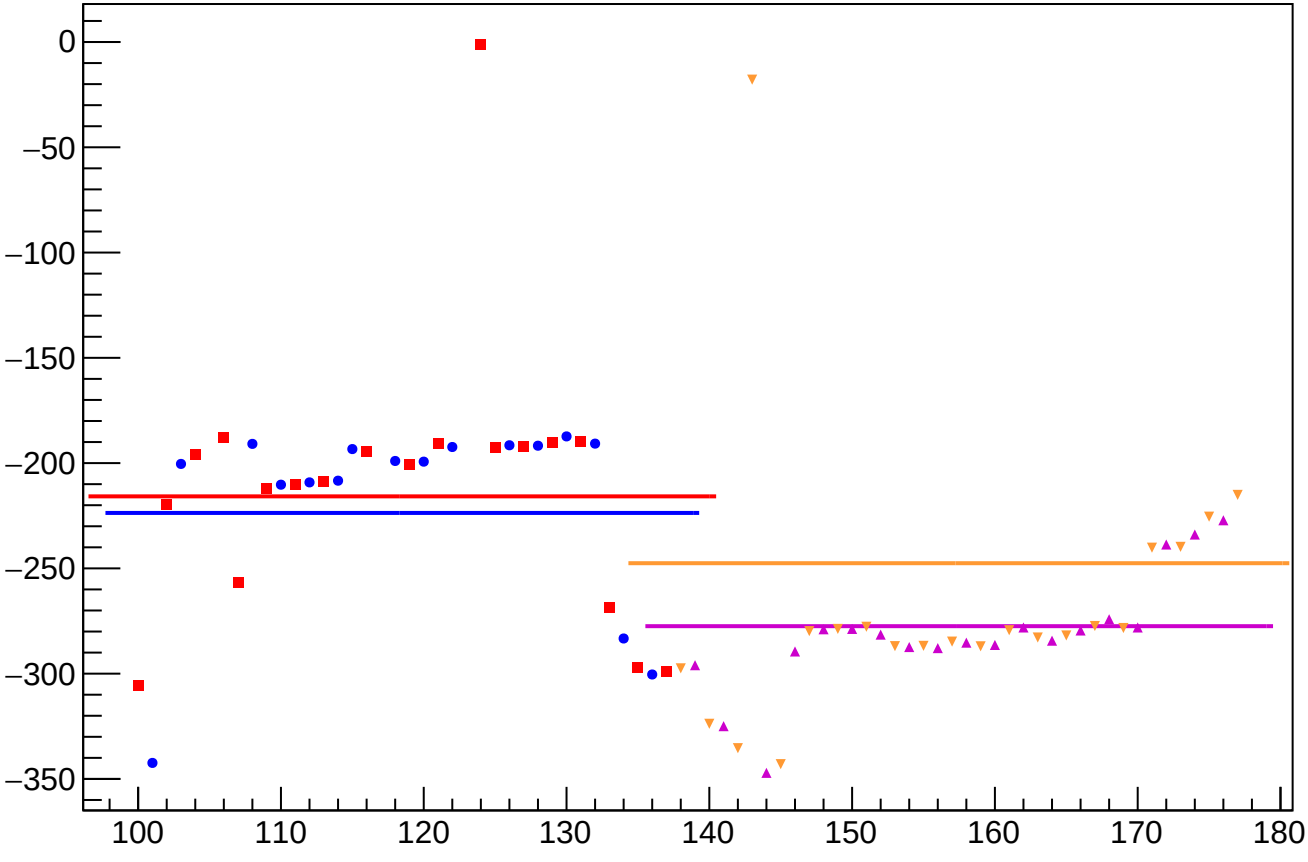
Left In: 136.265+/-1.990 χ^2/NDF:224.8/18

\+ sign 110.461+/-1.387 χ^2/NDF: 1116.4/36

All: 113.354+/-1.005 χ^2/NDF: 1799.1/74

\- sign 116.544+/-1.457 χ^2/NDF: 673.6/37

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -247.544+/-0.086 χ^2/NDF:985442.7/20

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

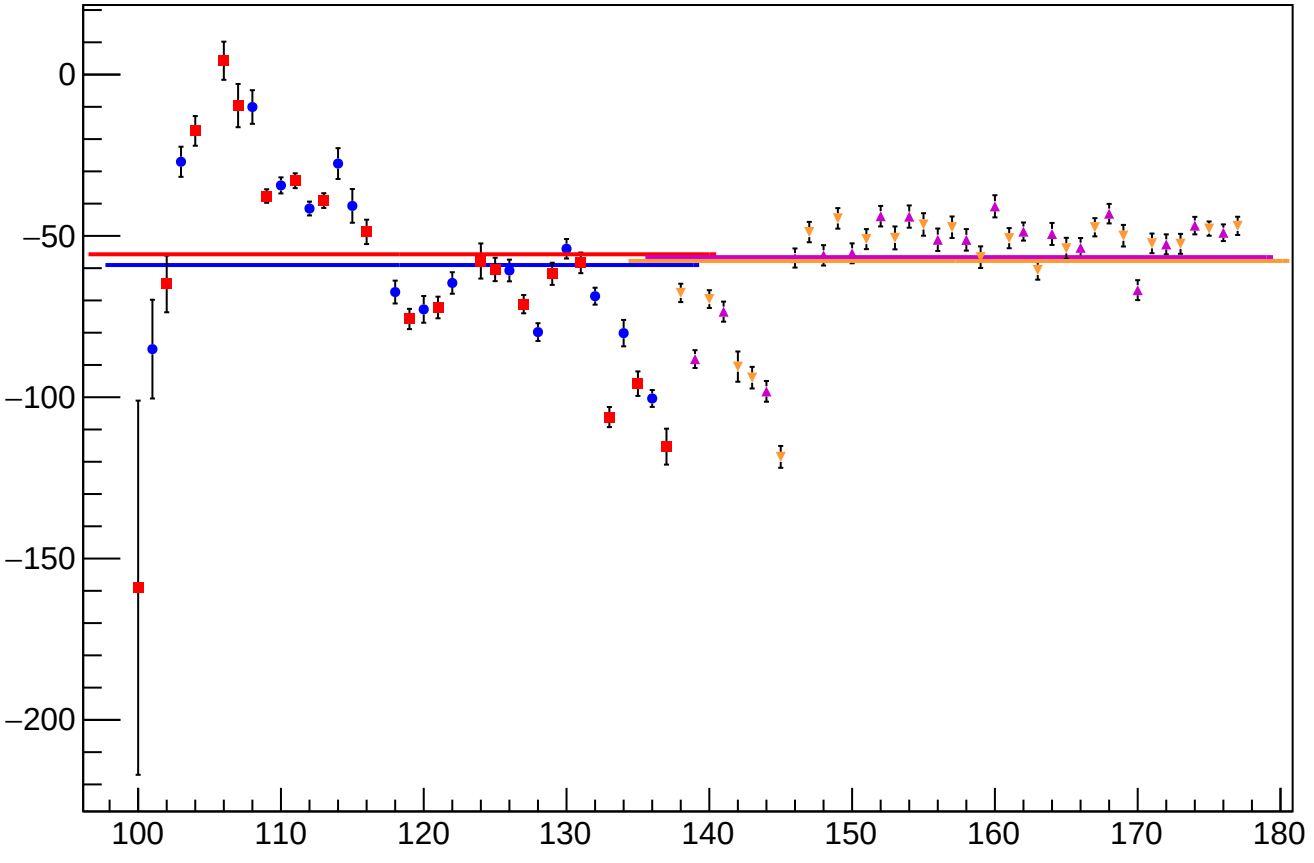
Left In: -277.451+/-0.091 χ^2/NDF:90961.0/18

+ sign -240.914+/-0.073 χ^2/NDF: 1128507.3/36

All: -249.296+/-0.052 χ^2/NDF: 1473170.4/74

- sign -258.190+/-0.075 χ^2/NDF: 317391.9/37

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -57.762+/-0.677 χ^2/NDF:639.4/20

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

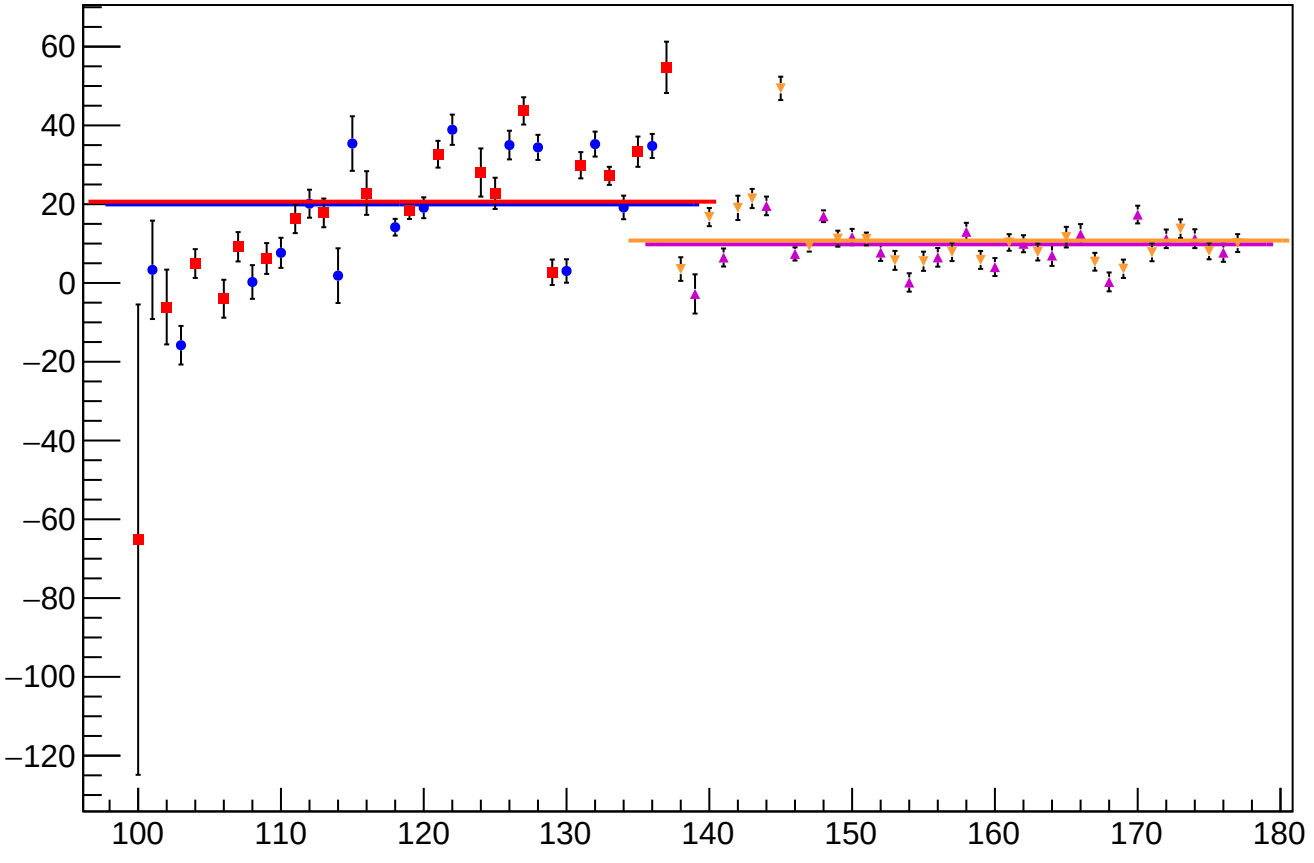
Left In: -56.577+/-0.704 χ^2/NDF:451.5/18

+ sign -58.269+/-0.524 χ^2/NDF: 1368.1/36

All: -57.231+/-0.371 χ^2/NDF: 2869.3/74

- sign -56.189+/-0.526 χ^2/NDF: 1493.4/37

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.777+/-0.485 χ^2/NDF:246.9/20

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

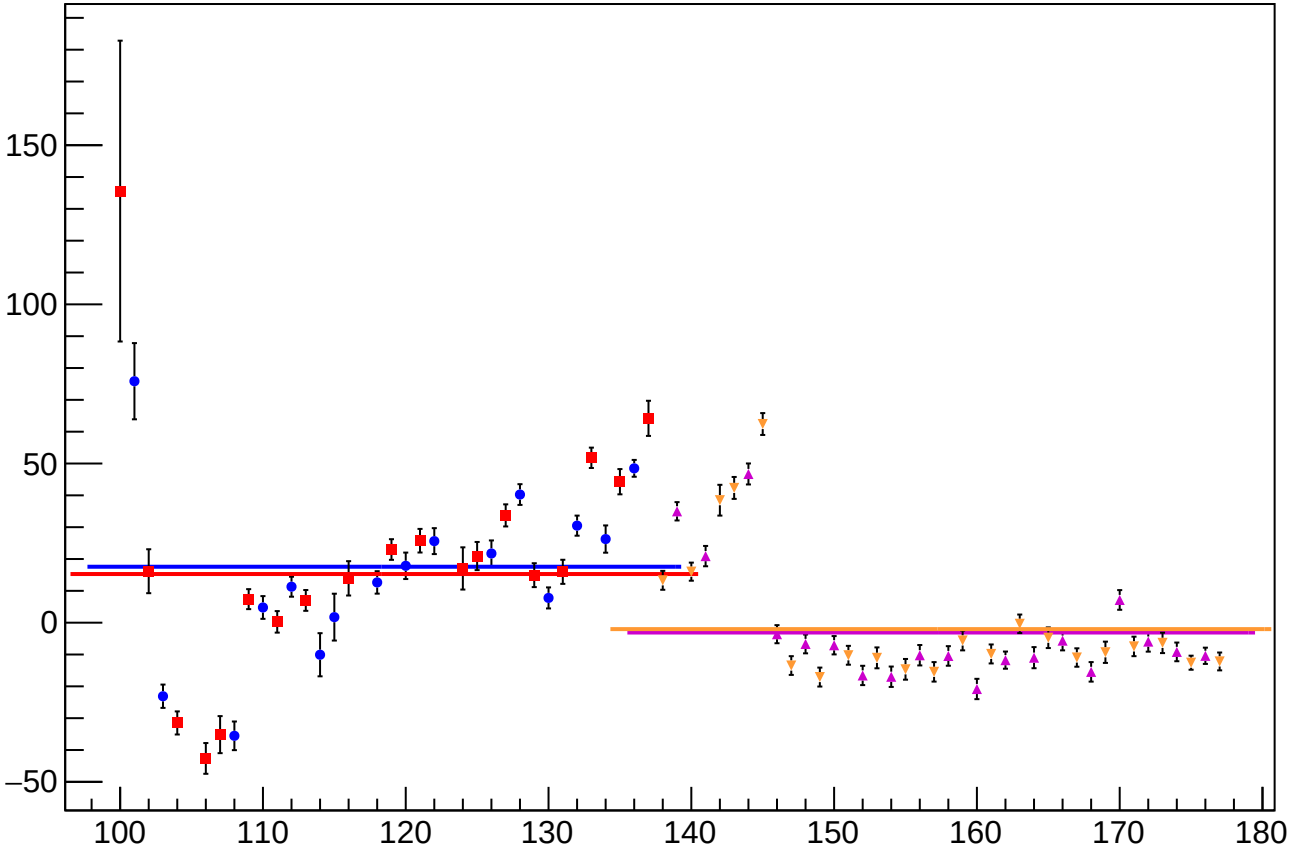
Left In: 9.813+/-0.511 χ^2/NDF:110.5/18

+ sign 12.961+/-0.423 χ^2/NDF: 579.2/36

All: 12.844+/-0.304 χ^2/NDF: 1035.2/74

- sign 12.720+/-0.437 χ^2/NDF: 455.8/37

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -2.021+/-0.665 χ^2/NDF:809.4/20

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

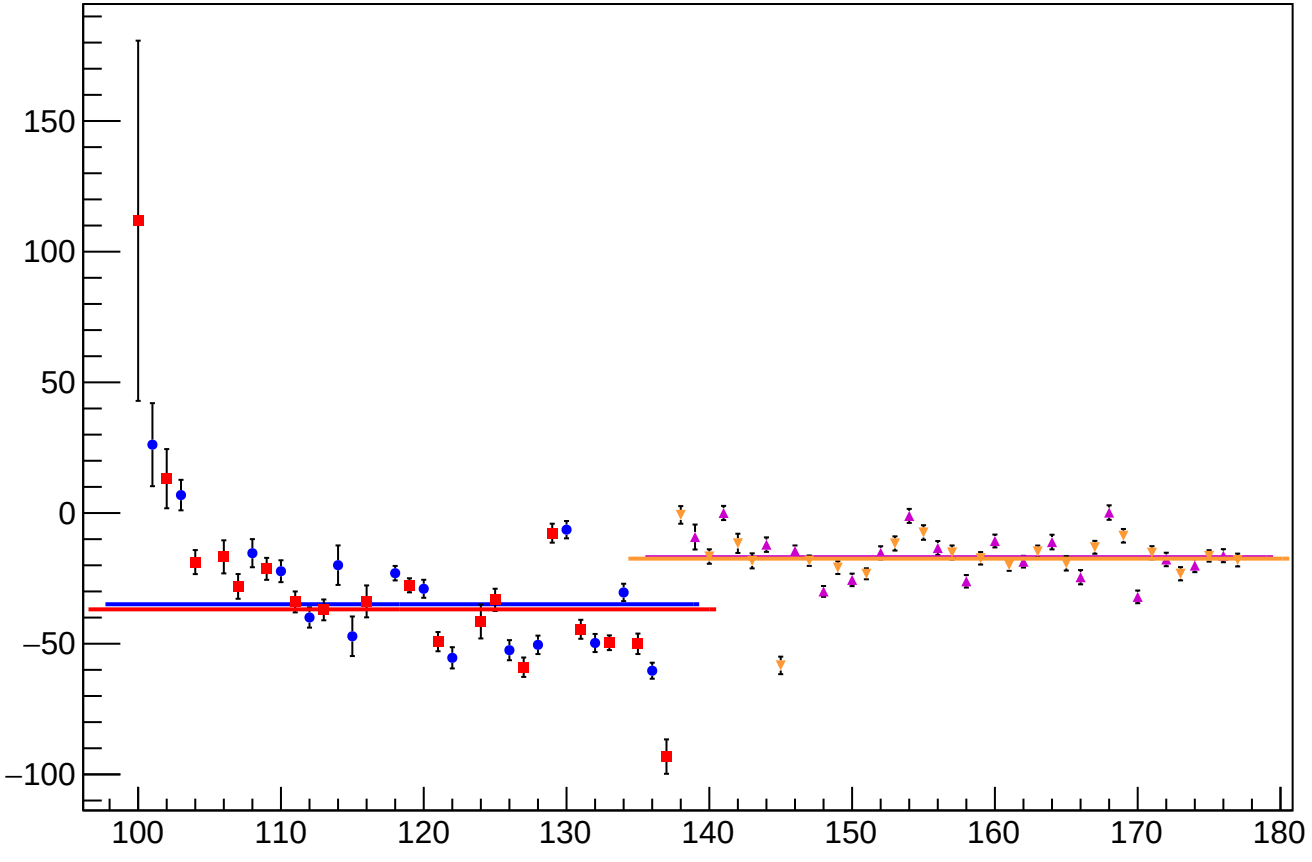
Left In: -3.093+/-0.691 χ^2/NDF:600.2/18

+ sign 4.367+/-0.546 χ^2/NDF: 1638.4/36

All: 3.898+/-0.390 χ^2/NDF: 3220.2/74

- sign 3.412+/-0.556 χ^2/NDF: 1580.3/37

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.445+/-0.555 χ^2/NDF:227.2/20

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

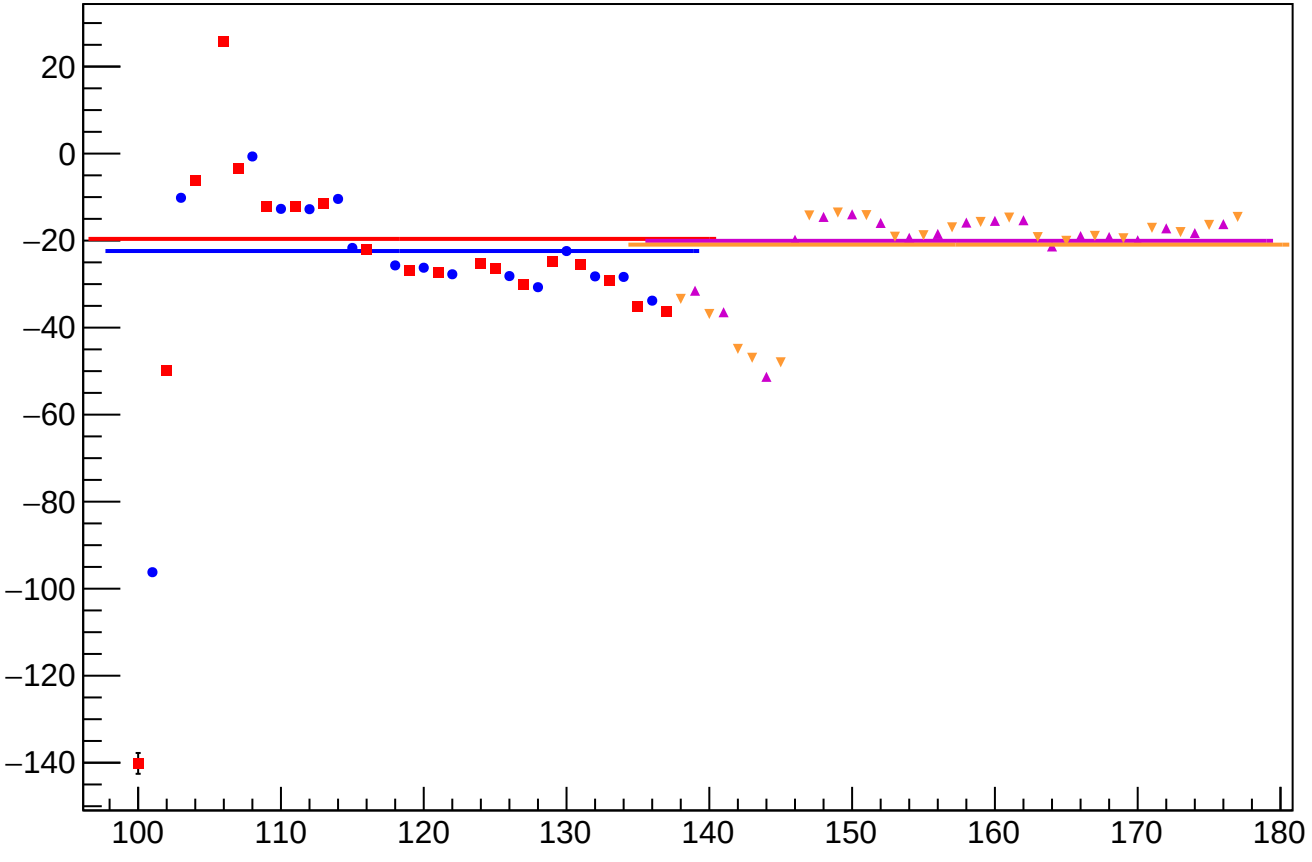
Left In: -16.888+/-0.584 χ^2/NDF:247.7/18

+ sign -21.618+/-0.484 χ^2/NDF: 810.2/36

All: -21.900+/-0.348 χ^2/NDF: 1671.2/74

- sign -22.201+/-0.500 χ^2/NDF: 860.4/37

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.926+/-0.025 χ^2/NDF:141615.9/20

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

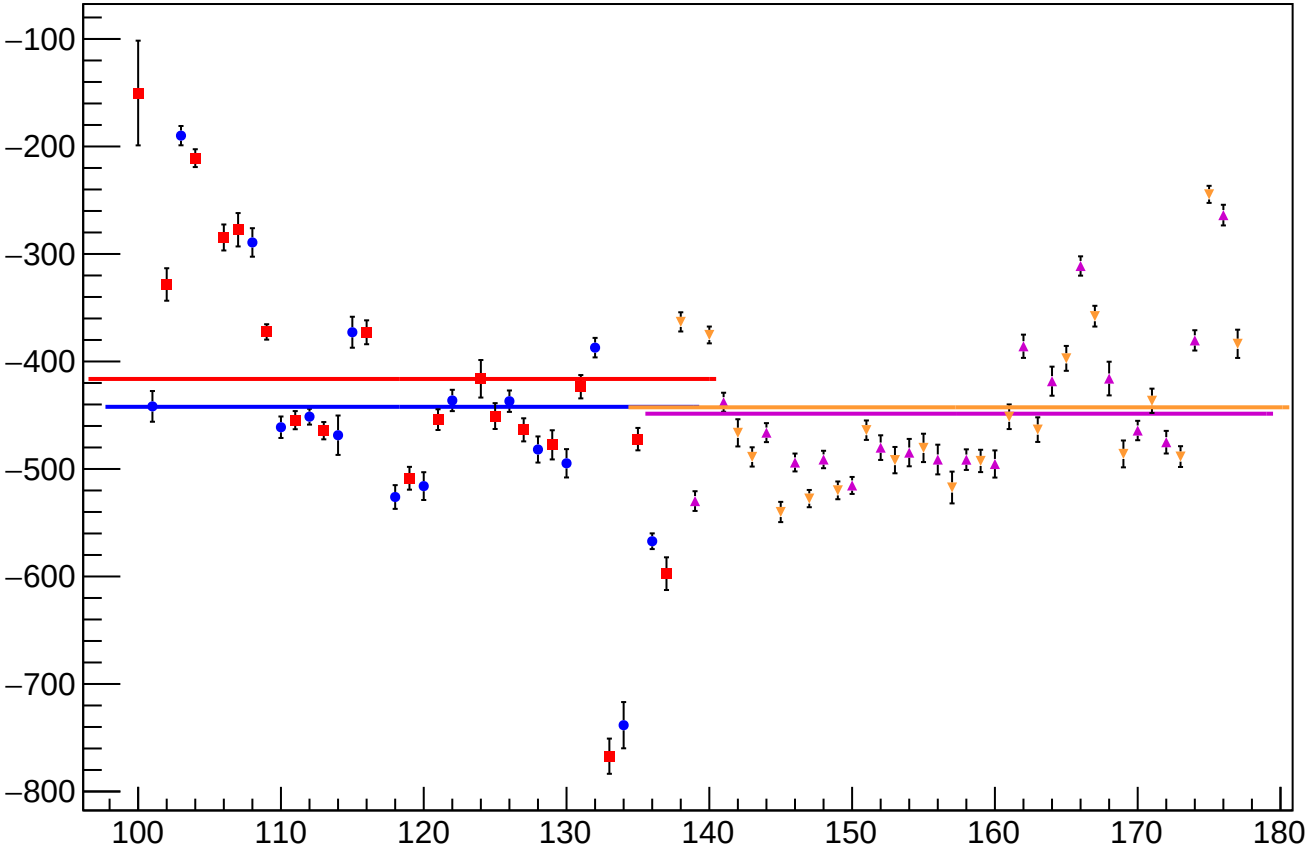
Left In: -20.054+/-0.026 χ^2/NDF:87843.3/18

+ sign -21.155+/-0.023 χ^2/NDF: 188670.6/36

All: -20.582+/-0.016 χ^2/NDF: 361693.6/74

- sign -19.984+/-0.024 χ^2/NDF: 171757.1/37

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -442.632+/-2.196 χ^2/NDF:1340.6/20

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

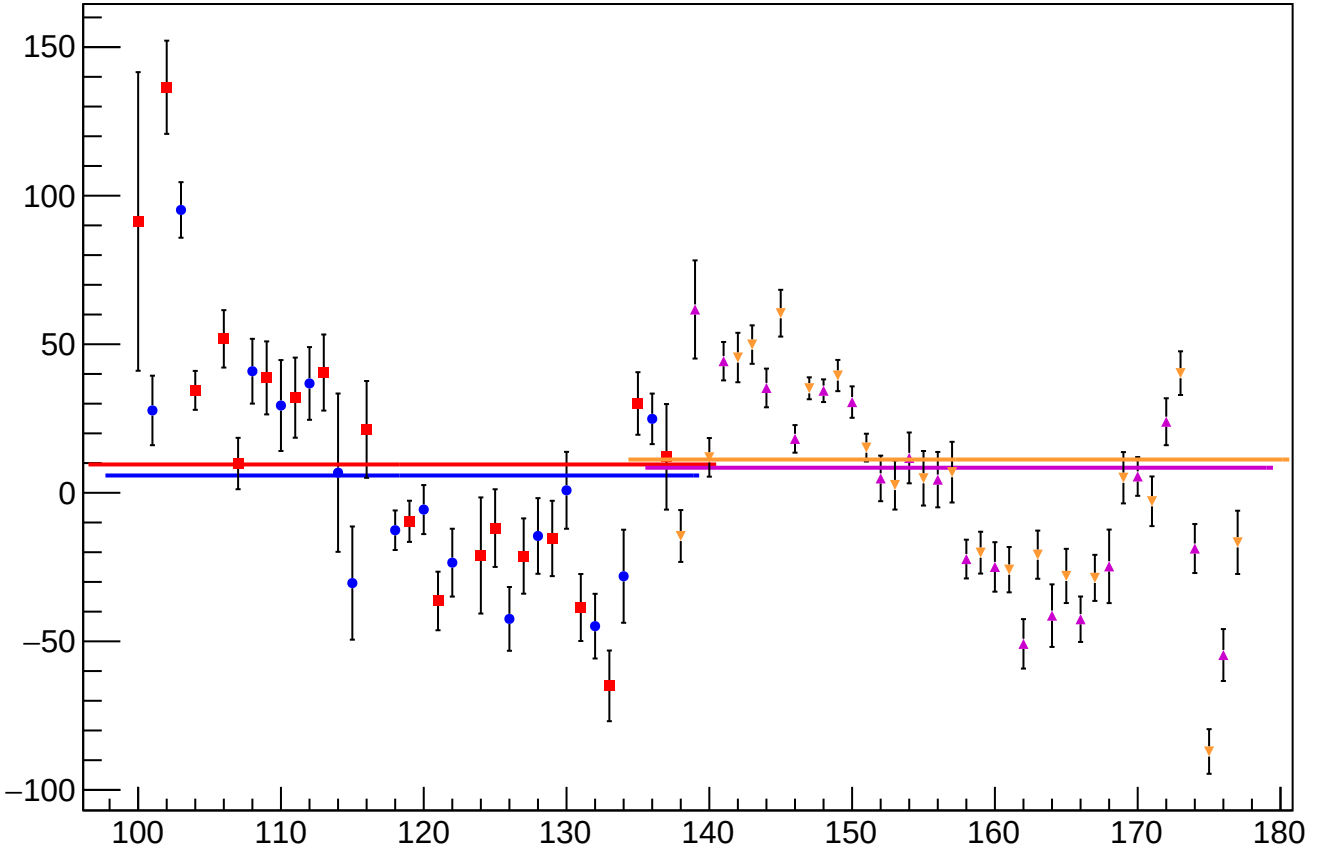
Left In: -448.583+/-2.275 χ^2/NDF:979.5/18

+ sign -442.451+/-1.699 χ^2/NDF: 2929.7/36

All: -438.244+/-1.198 χ^2/NDF: 5765.8/74

- sign -434.083+/-1.690 χ^2/NDF: 2823.9/37

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 11.198+/-1.513 χ^2/NDF:475.1/20

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

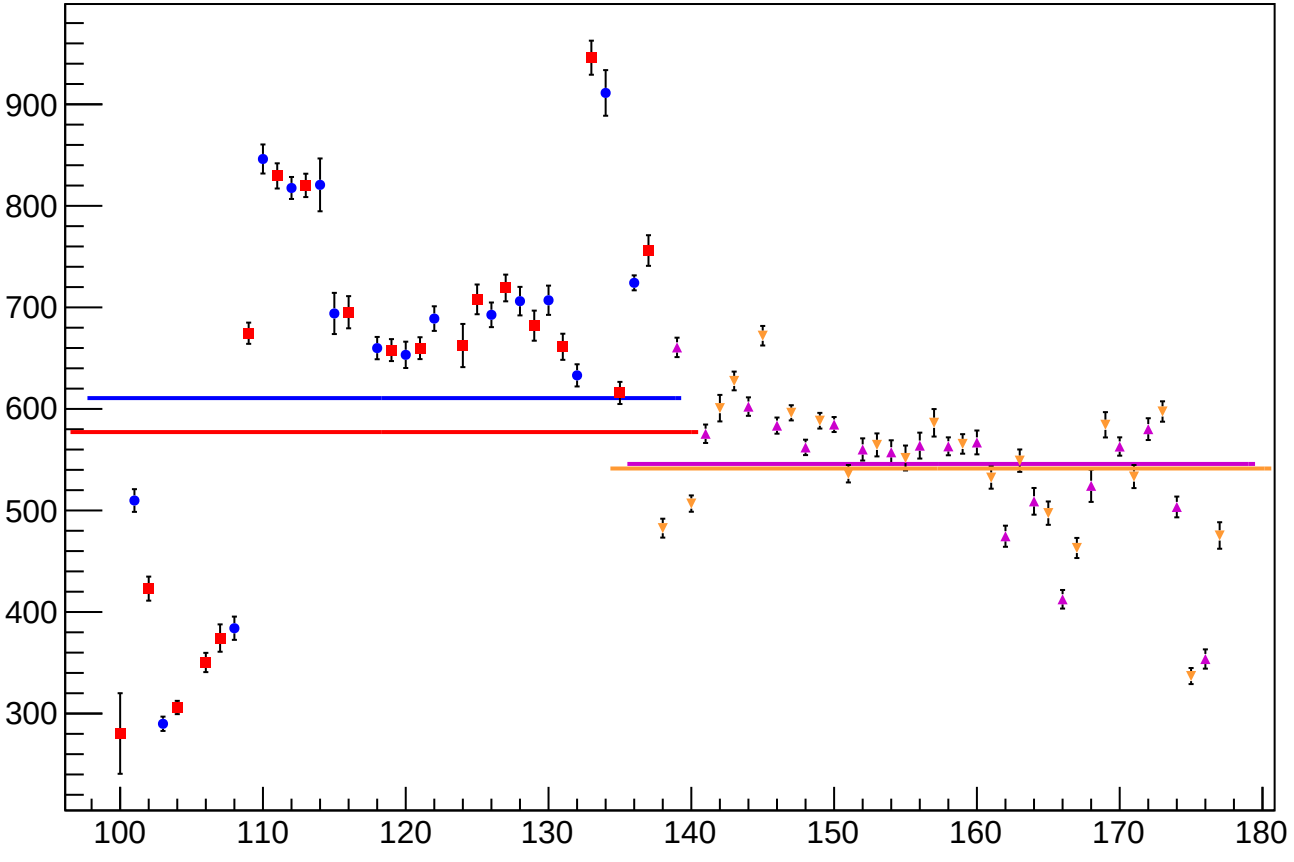
Left In: 8.436+/-1.588 χ^2/NDF:356.7/18

+ sign 9.933+/-1.323 χ^2/NDF: 666.2/36

All: 9.349+/-0.945 χ^2/NDF: 1245.6/74

- sign 8.742+/-1.349 χ^2/NDF: 579.0/37

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 541.327+/-2.159 χ^2/NDF:1277.4/20

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

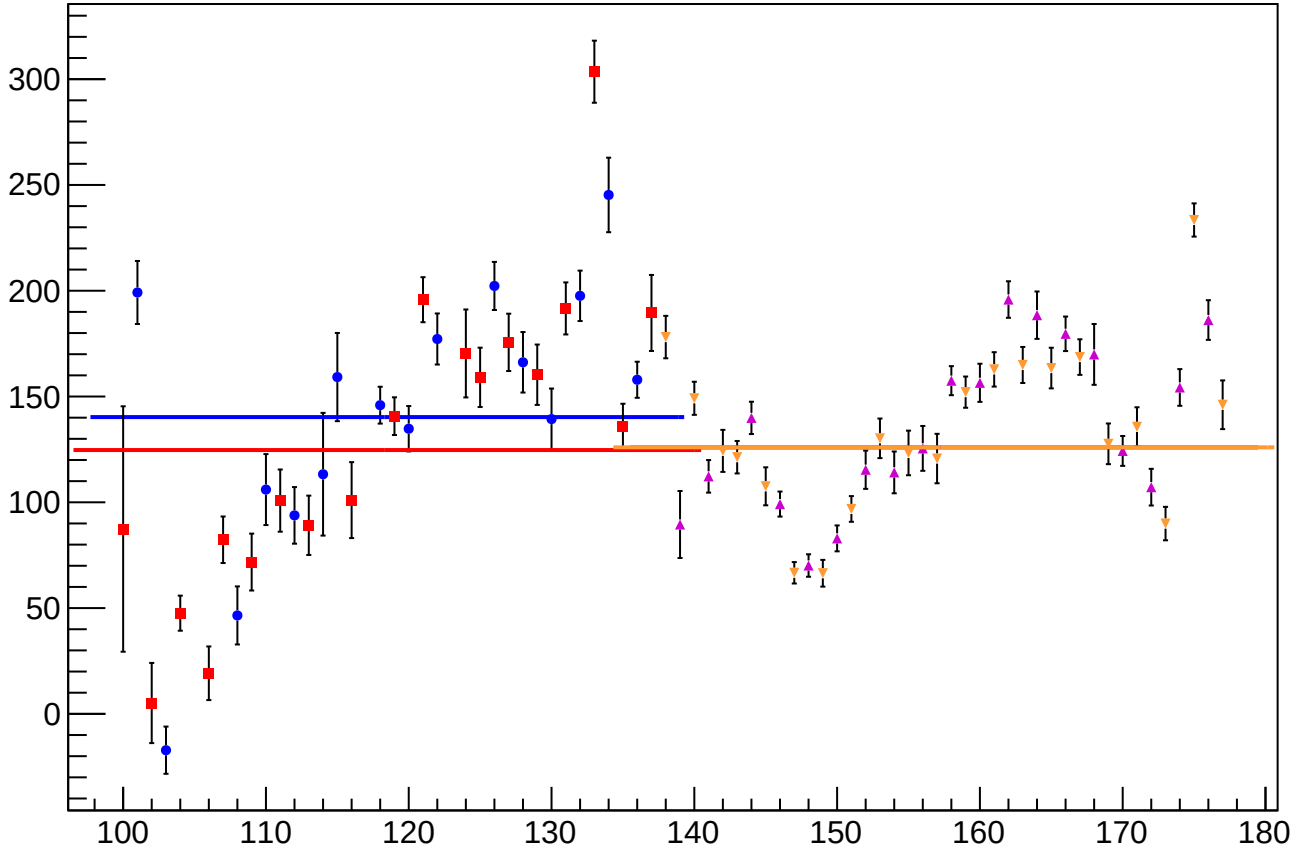
Left In: 545.832+/-2.230 χ^2/NDF:969.6/18

+ sign 566.137+/-1.730 χ^2/NDF: 5539.0/36

All: 562.203+/-1.225 χ^2/NDF: 11397.6/74

- sign 558.253+/-1.734 χ^2/NDF: 5848.2/37

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 125.975+/-1.770 χ^2/NDF:597.2/20

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

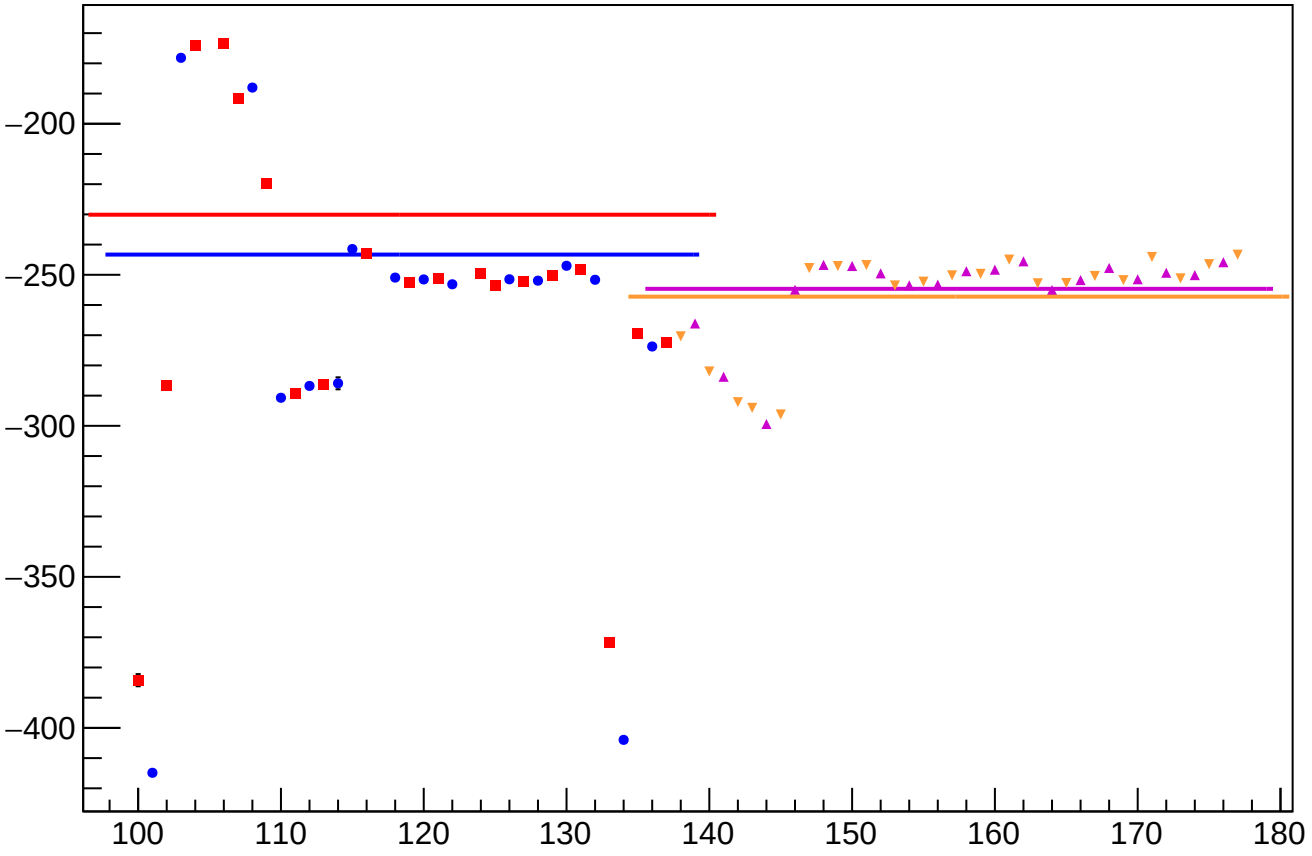
Left In: 125.940+/-1.848 χ^2/NDF:433.4/18

+ sign 129.404+/-1.543 χ^2/NDF: 998.2/36

All: 127.533+/-1.101 χ^2/NDF: 1943.3/74

- sign 125.595+/-1.570 χ^2/NDF: 942.1/37

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -257.232+/-0.083 χ^2/NDF:38494.2/20

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

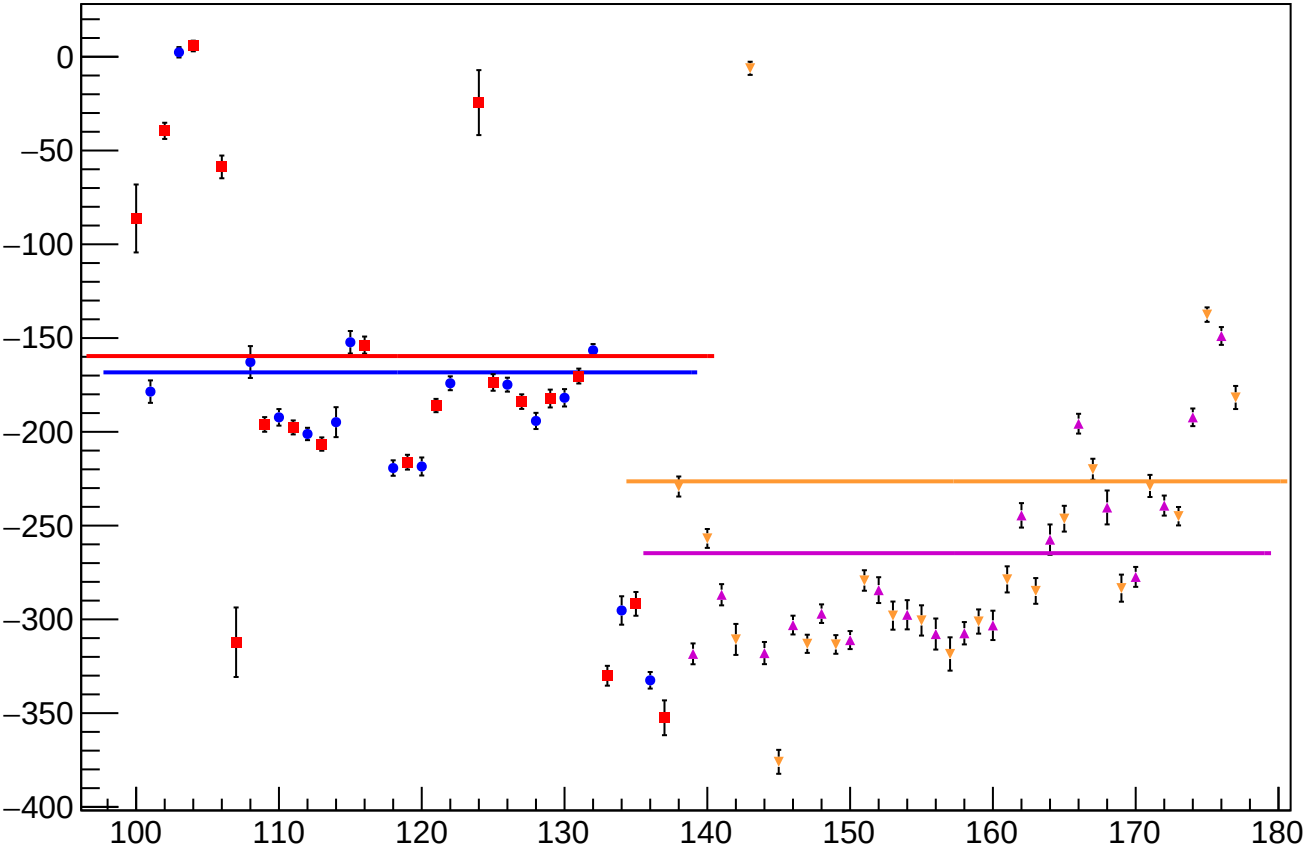
Left In: -254.647+/-0.085 χ^2/NDF:23134.1/18

+ sign -254.325+/-0.074 χ^2/NDF: 217790.4/36

All: -251.746+/-0.053 χ^2/NDF: 364663.7/74

- sign -249.152+/-0.074 χ^2/NDF: 144453.5/37

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -226.401+/-1.232 χ^2/NDF:6562.1/20

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

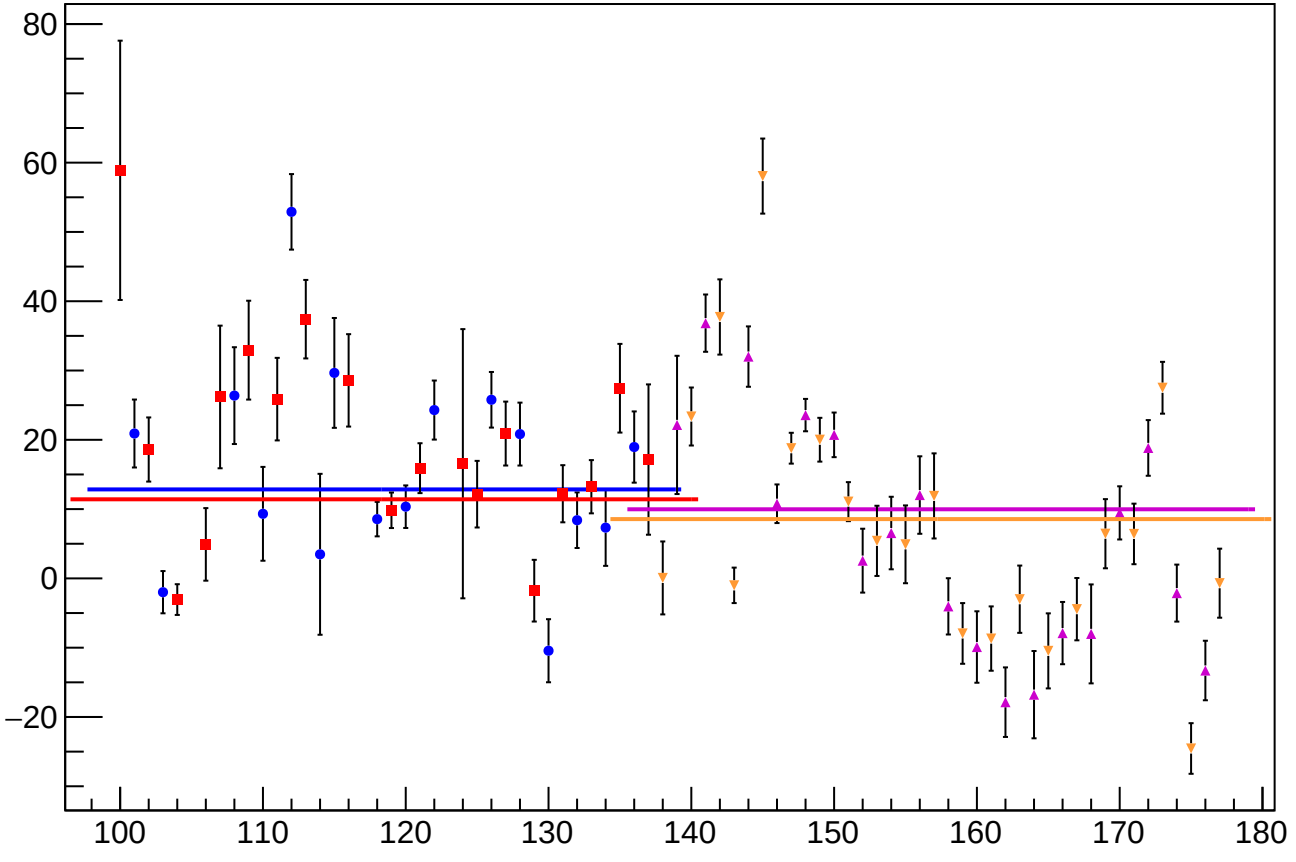
Left In: -264.703+/-1.337 χ^2/NDF:1561.1/18

+ sign -193.428+/-0.810 χ^2/NDF: 13731.9/36

All: -196.342+/-0.577 χ^2/NDF: 26361.3/74

- sign -199.340+/-0.822 χ^2/NDF: 12603.2/37

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 8.557+/-0.863 χ^2/NDF:343.6/20

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

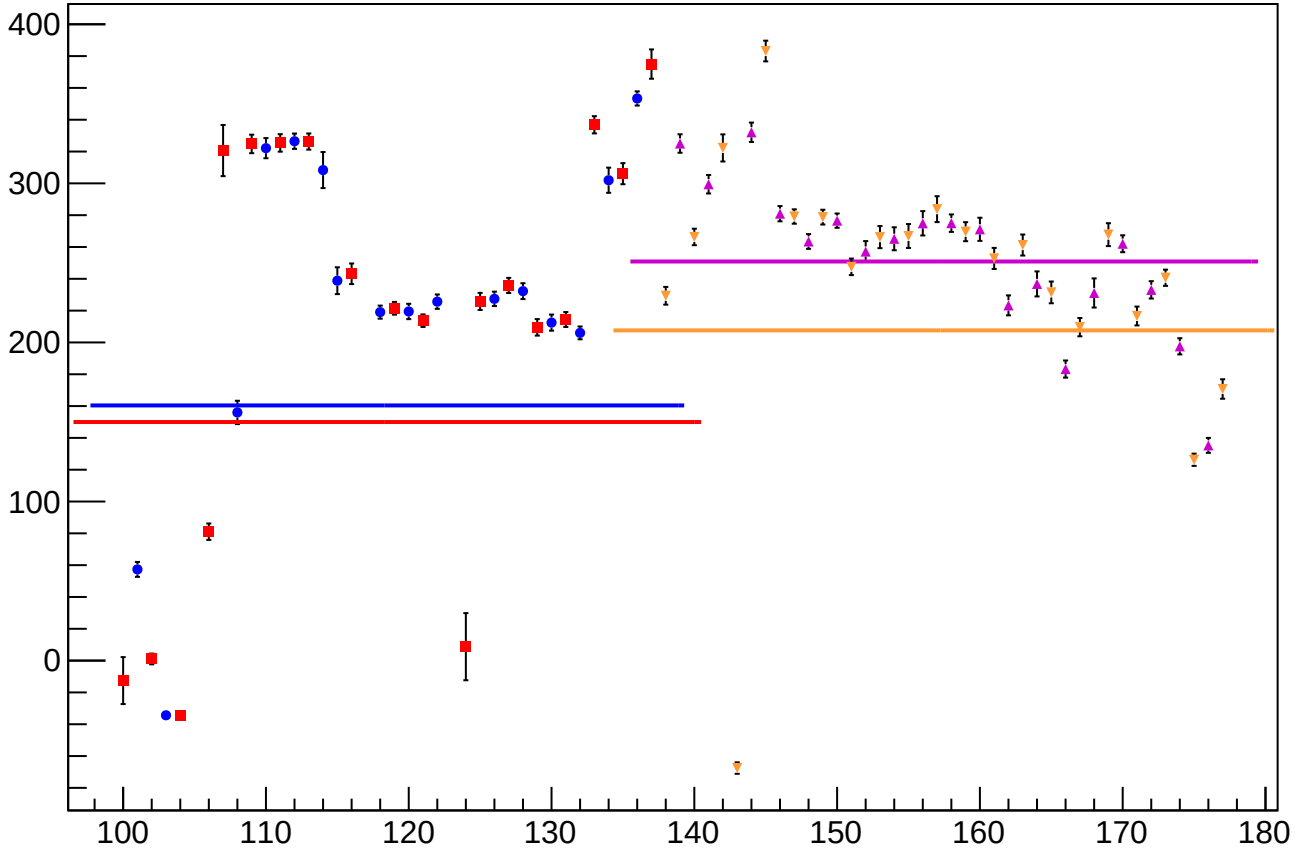
Left In: 9.974+/-0.945 χ^2/NDF:258.1/18

+ sign 10.233+/-0.673 χ^2/NDF: 497.0/36

All: 10.423+/-0.485 χ^2/NDF: 875.9/74

- sign 10.628+/-0.698 χ^2/NDF: 378.7/37

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 207.573+/-1.217 χ^2/NDF:8457.4/20

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

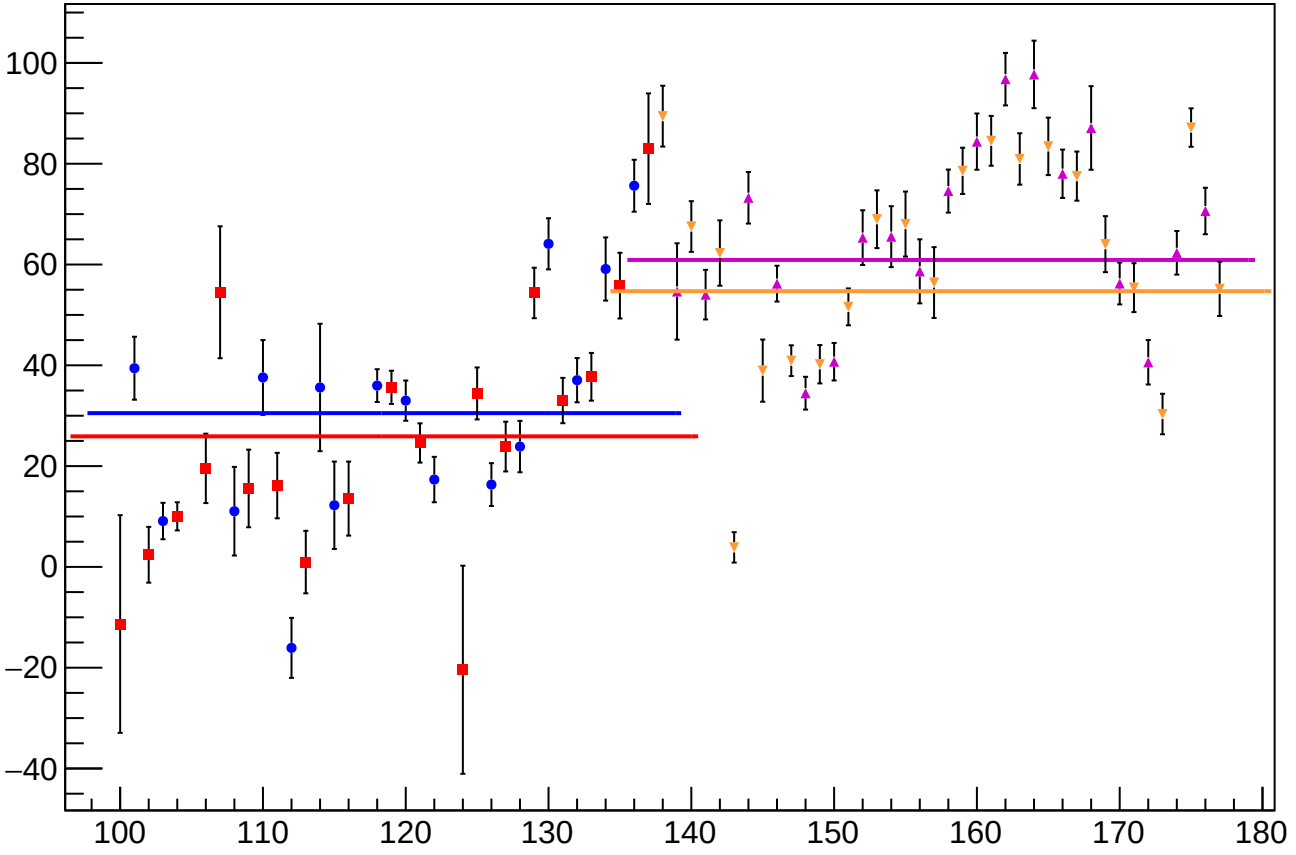
Left In: 250.883+/-1.314 χ^2/NDF:1450.3/18

+ sign 182.432+/-0.832 χ^2/NDF: 23207.9/36

All: 187.049+/-0.593 χ^2/NDF: 44434.7/74

- sign 191.835+/-0.847 χ^2/NDF: 21163.9/37

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 54.704+/-1.004 χ^2/NDF:626.9/20

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

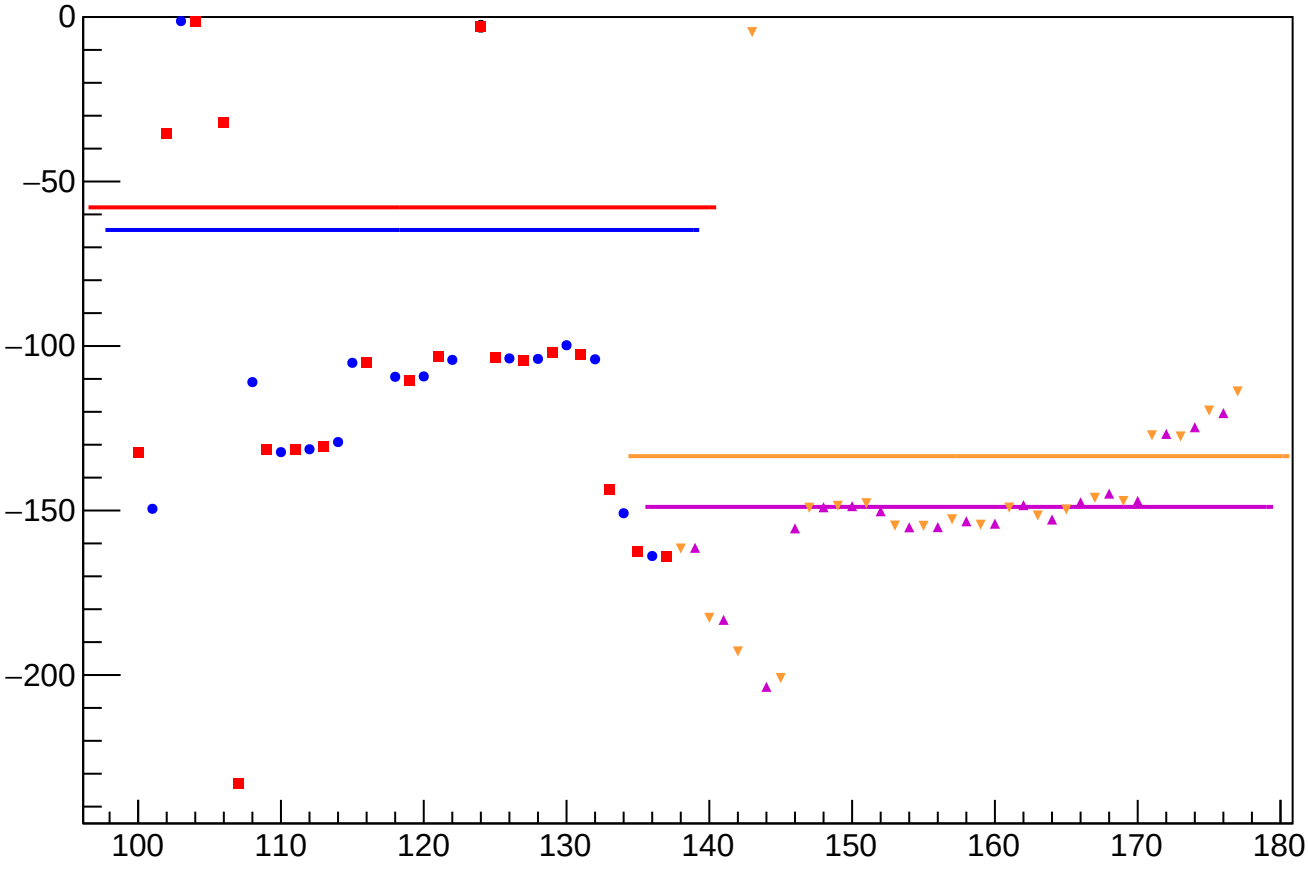
Left In: 60.906+/-1.093 χ^2/NDF:262.2/18

+ sign 45.260+/-0.784 χ^2/NDF: 1130.6/36

All: 45.238+/-0.564 χ^2/NDF: 2039.9/74

- sign 45.214+/-0.812 χ^2/NDF: 909.3/37

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -133.482+/-0.047 χ^2/NDF:981791.5/20

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

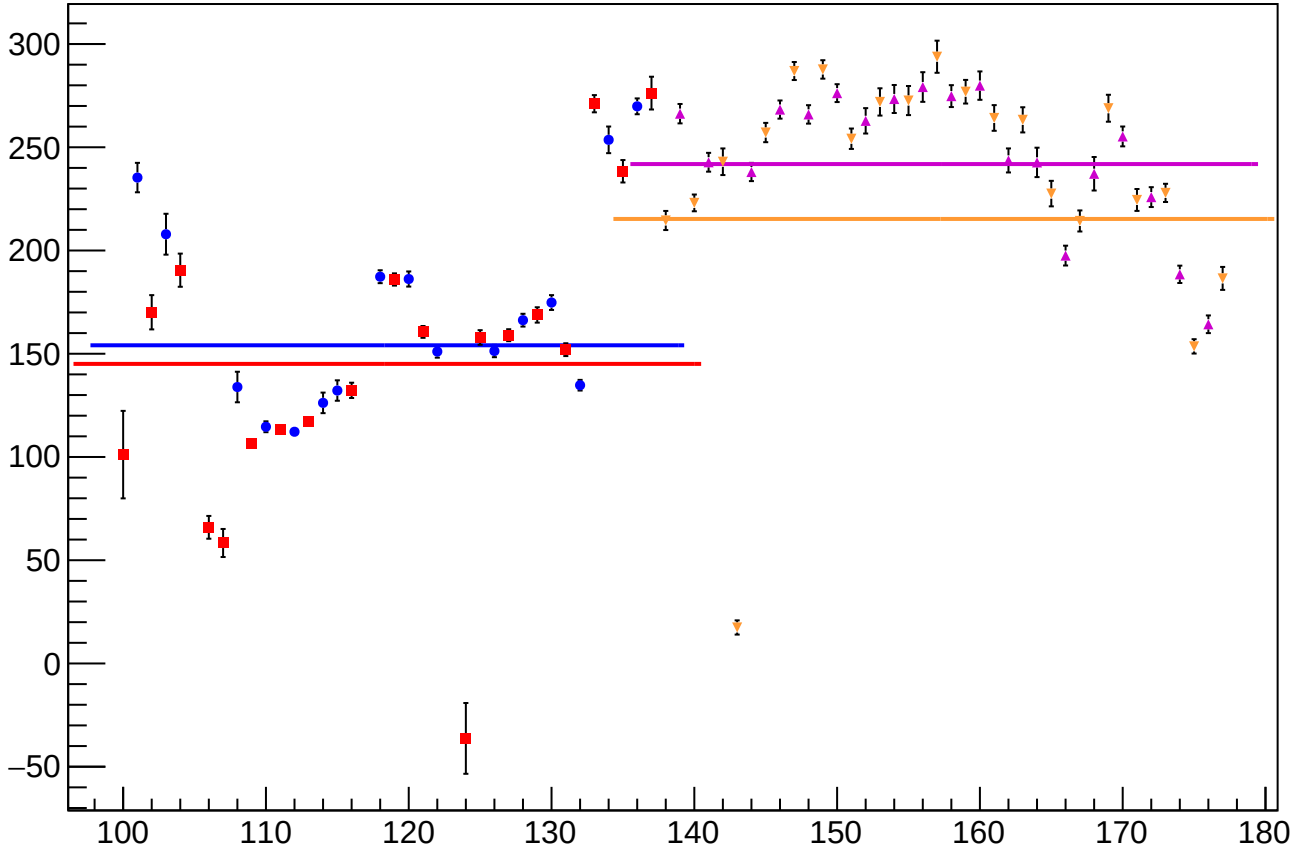
Left In: -148.897+/-0.050 χ^2/NDF:121165.4/18

+ sign -109.144+/-0.038 χ^2/NDF: 2776695.8/36

All: -111.237+/-0.027 χ^2/NDF: 5089665.4/74

- sign -113.424+/-0.039 χ^2/NDF: 2306750.4/37

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 215.287+/-1.092 χ^2/NDF:4901.3/20

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

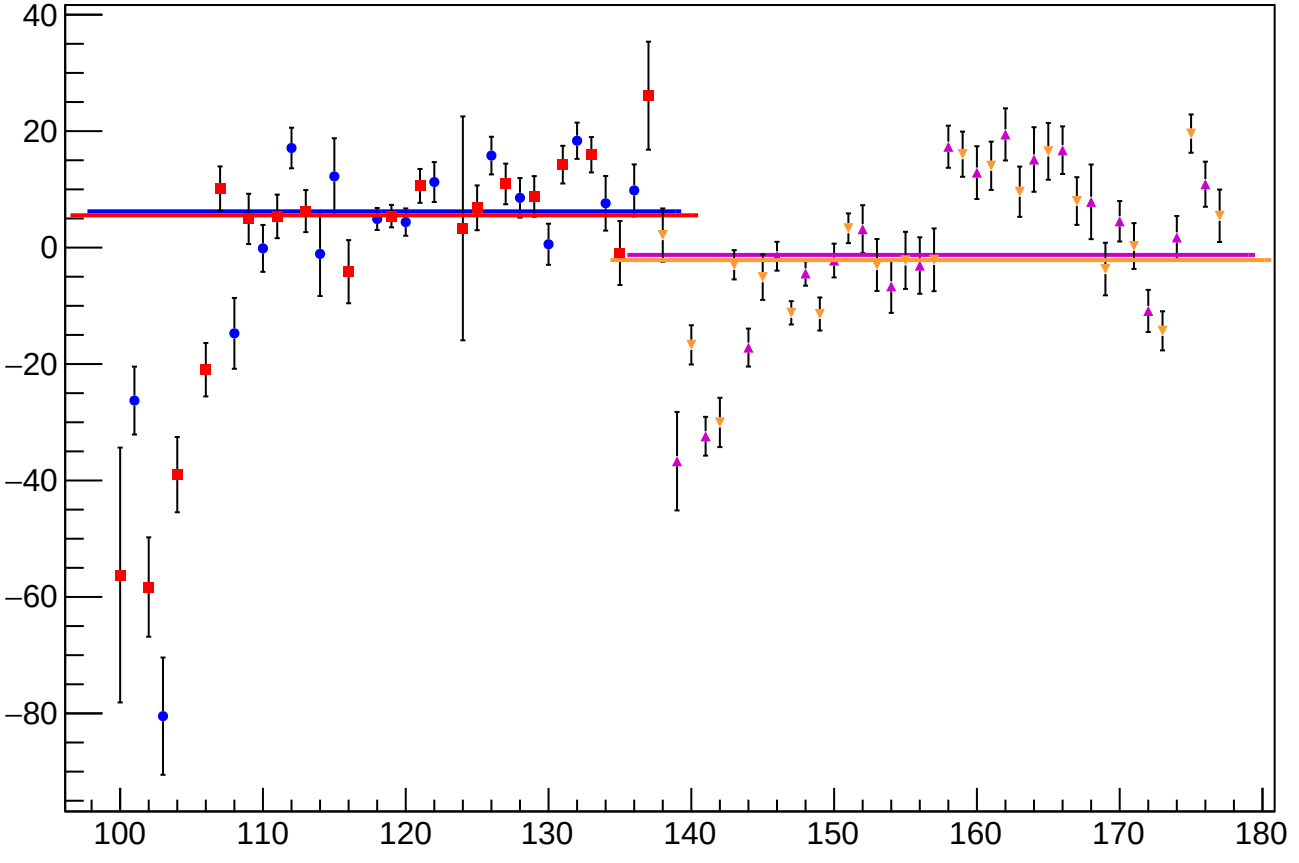
Left In: 241.864+/-1.170 χ^2/NDF:879.3/18

\+ sign 177.818+/-0.680 χ^2/NDF: 9104.2/36

All: 177.537+/-0.479 χ^2/NDF: 17506.2/74

\- sign 177.260+/-0.675 χ^2/NDF: 8401.7/37

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -2.144+/-0.769 χ^2/NDF:224.7/20

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

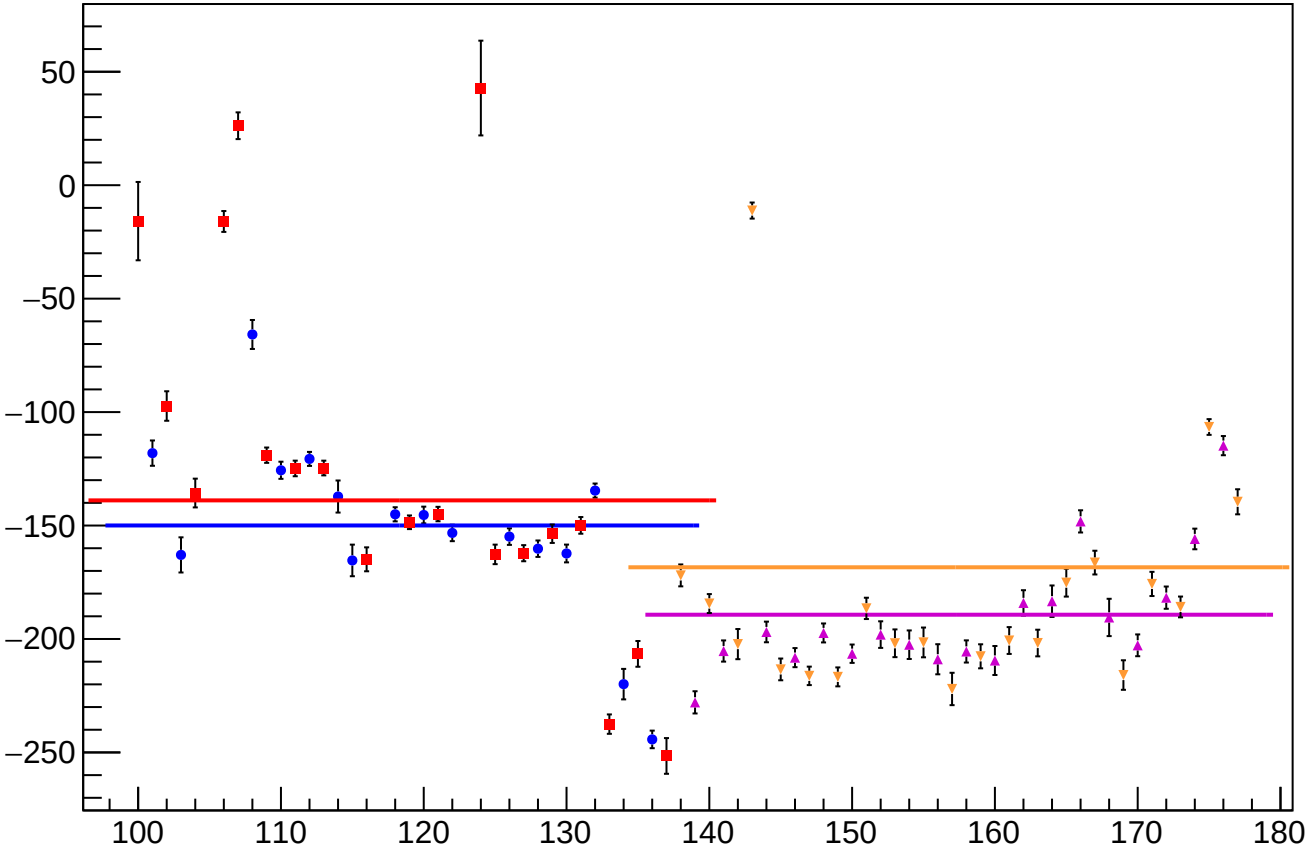
Left In: -1.257+/-0.831 χ^2/NDF:241.9/18

\+ sign 1.433+/-0.582 χ^2/NDF: 437.4/36

All: 1.664+/-0.420 χ^2/NDF: 892.0/74

\- sign 1.916+/-0.607 χ^2/NDF: 454.2/37

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -168.400+/-1.080 χ^2/NDF:3030.6/20

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

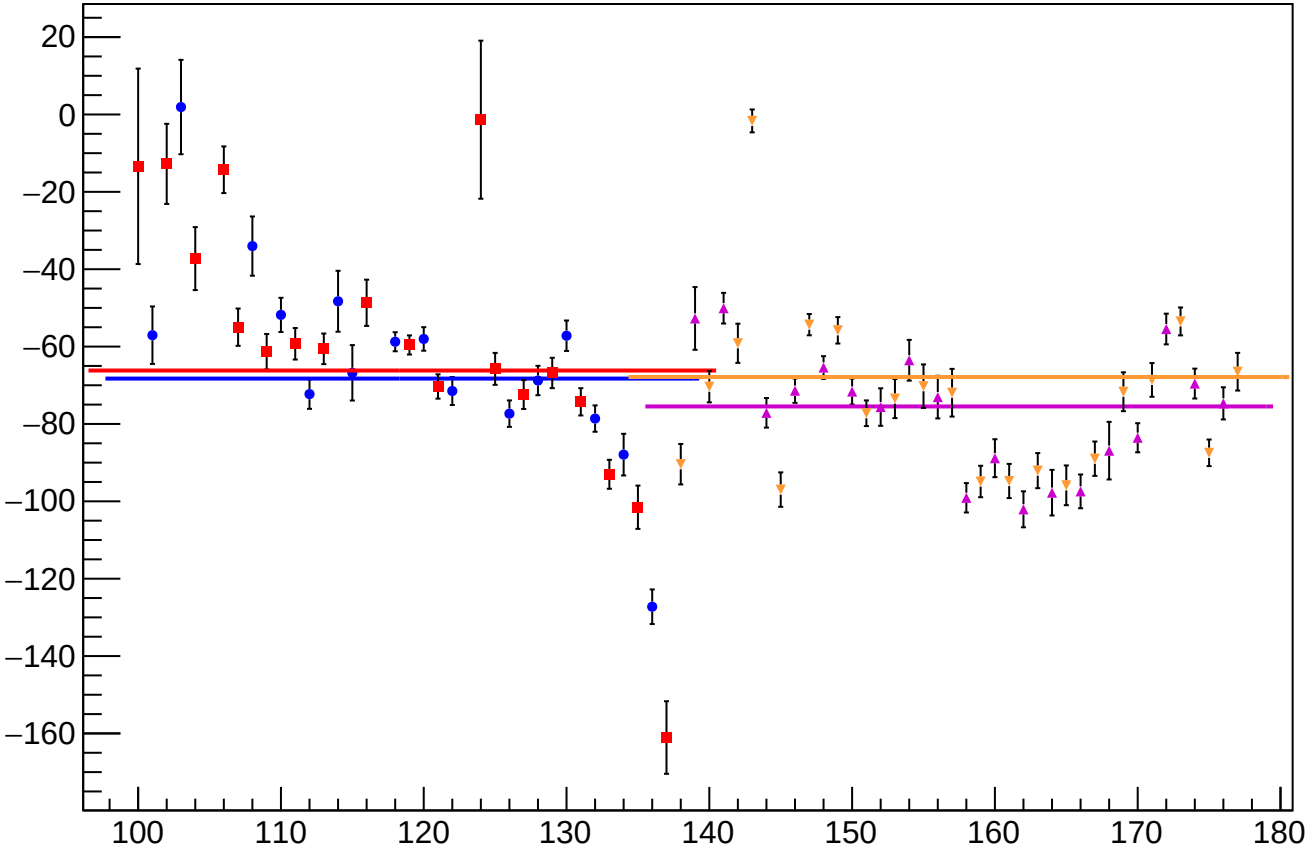
Left In: -189.304+/-1.153 χ^2/NDF:601.8/18

+ sign -158.712+/-0.744 χ^2/NDF: 4283.2/36

All: -159.541+/-0.529 χ^2/NDF: 8735.1/74

- sign -160.390+/-0.753 χ^2/NDF: 4449.4/37

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.867+/-0.894 χ^2/NDF:822.0/20

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

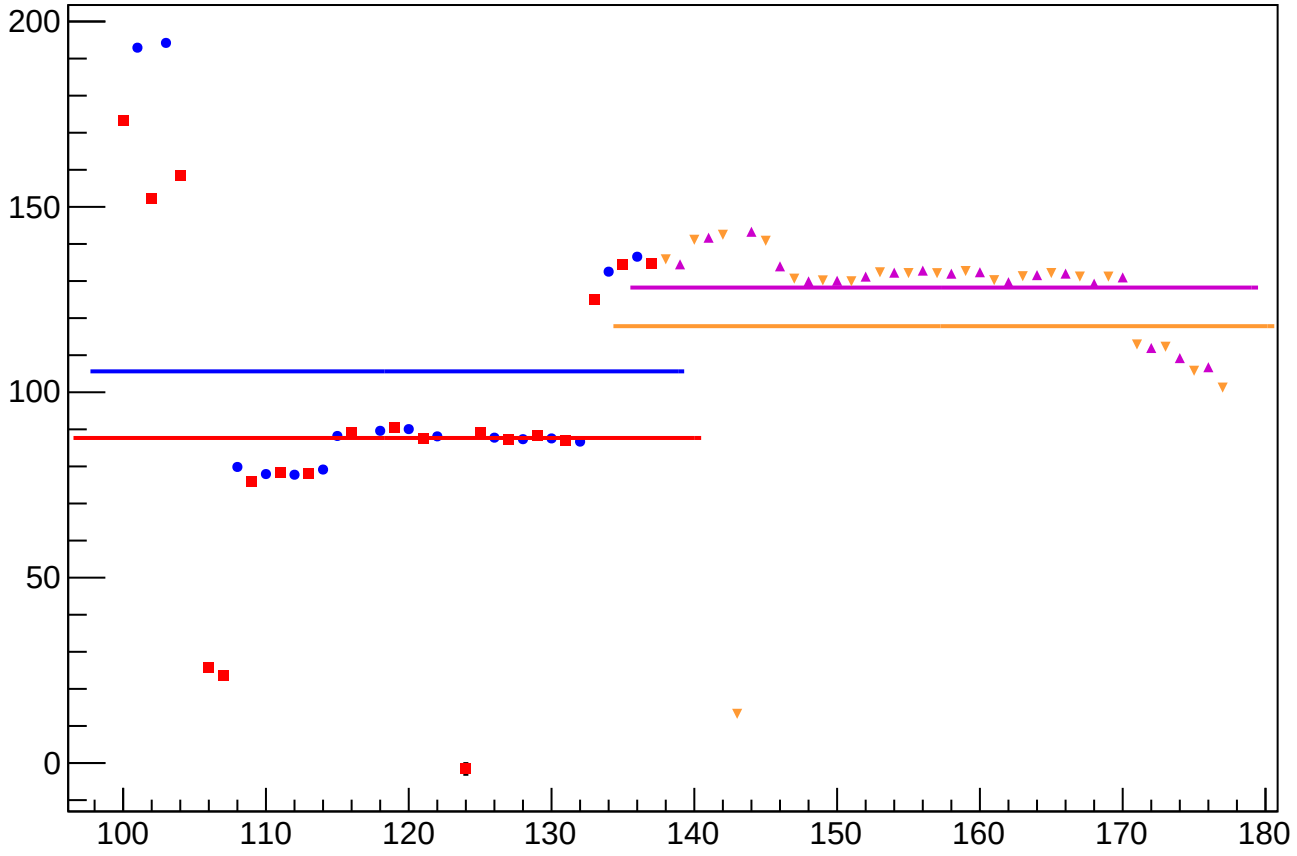
Left In: -75.476+/-0.962 χ^2/NDF:222.5/18

+ sign -68.040+/-0.676 χ^2/NDF: 1137.5/36

All: -69.524+/-0.487 χ^2/NDF: 1772.0/74

- sign -71.120+/-0.701 χ^2/NDF: 624.6/37

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.825+/-0.042 χ^2/NDF:620090.8/20

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

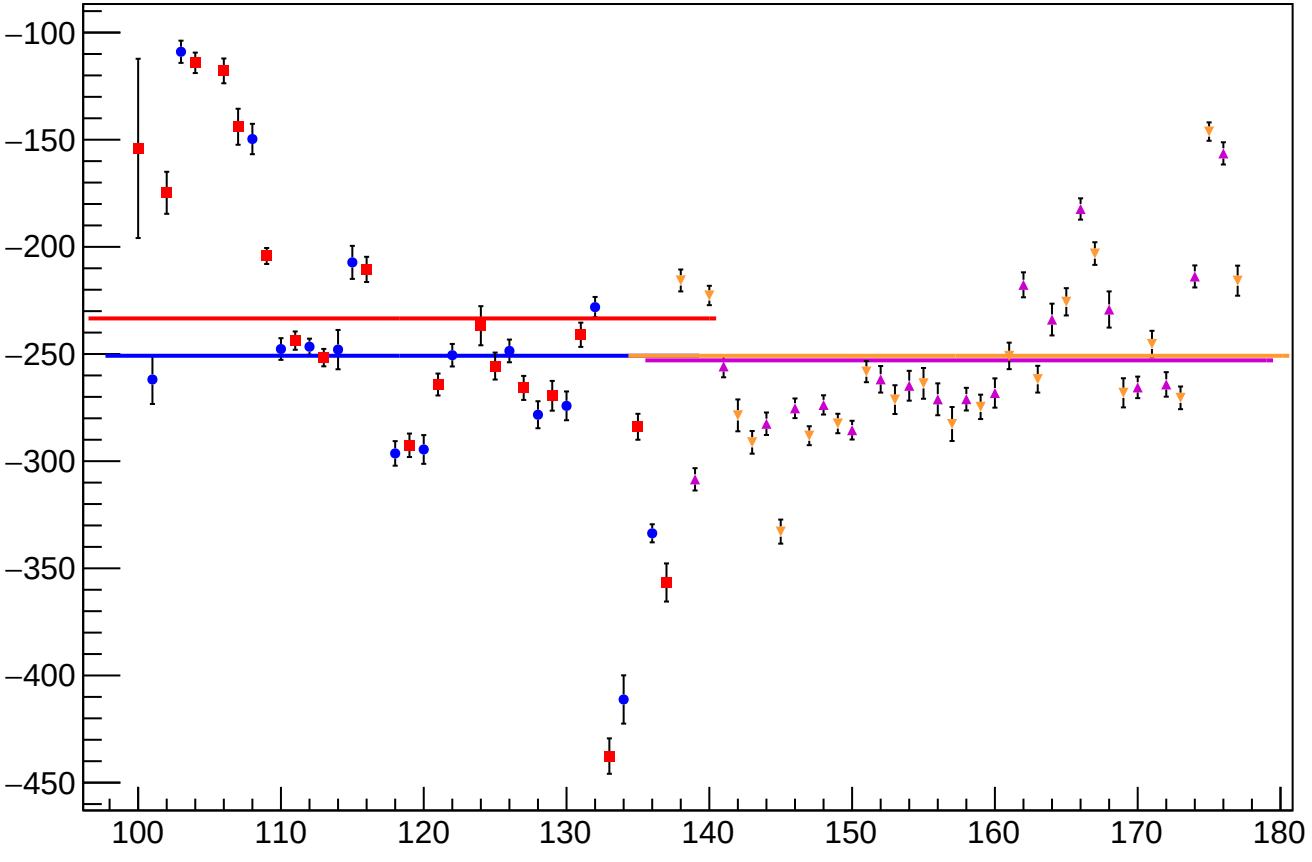
Left In: 128.240+/-0.044 χ^2/NDF:53620.3/18

\+ sign 114.666+/-0.036 χ^2/NDF: 881627.4/36

All: 115.227+/-0.026 χ^2/NDF: 1575092.2/74

\- sign 115.797+/-0.036 χ^2/NDF: 692976.6/37

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -250.825+/-1.219 χ^2/NDF:1280.6/20

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

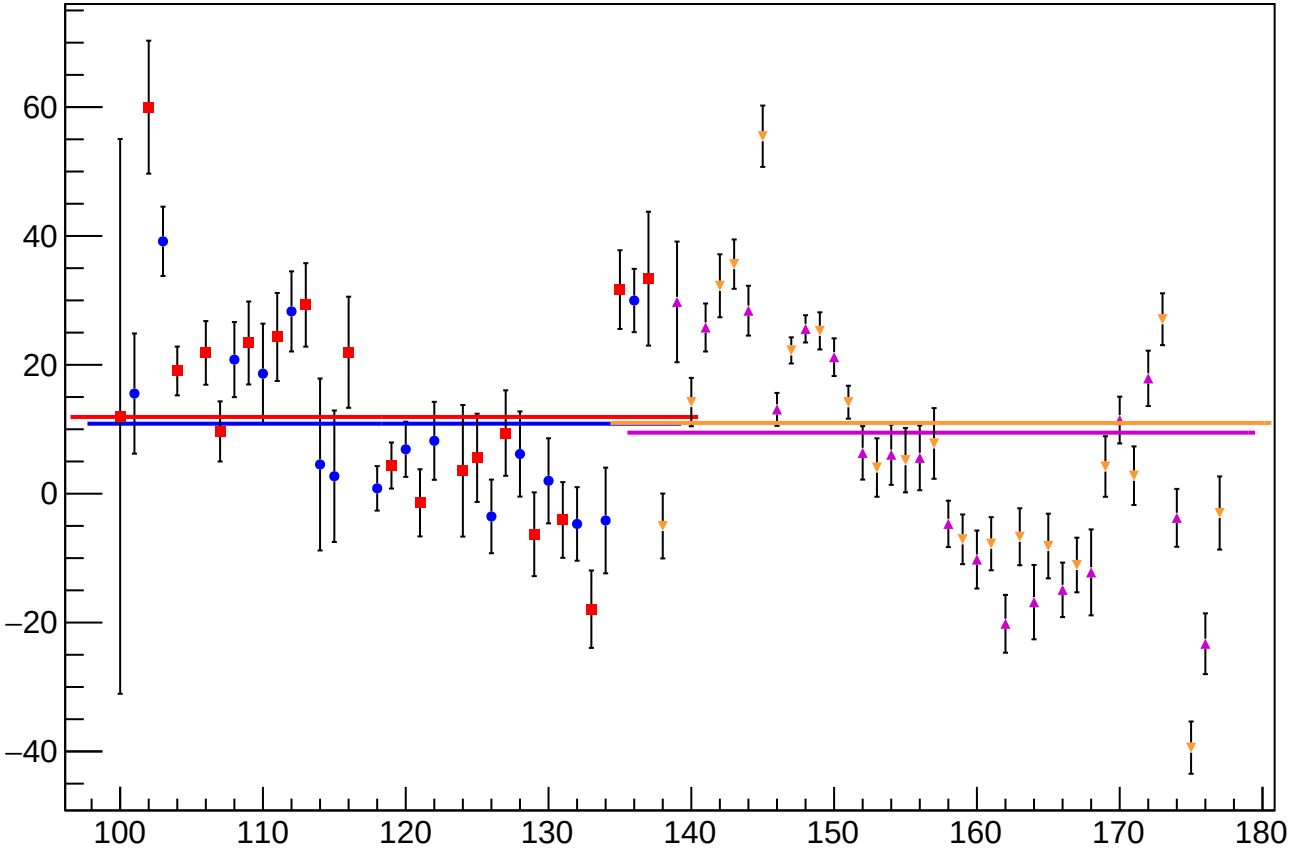
Left In: -252.954+/-1.259 χ^2/NDF:942.5/18

+ sign -250.820+/-0.930 χ^2/NDF: 3016.2/36

All: -247.220+/-0.652 χ^2/NDF: 6480.5/74

- sign -243.732+/-0.916 χ^2/NDF: 3434.7/37

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 10.981+/-0.839 χ^2/NDF:501.2/20

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

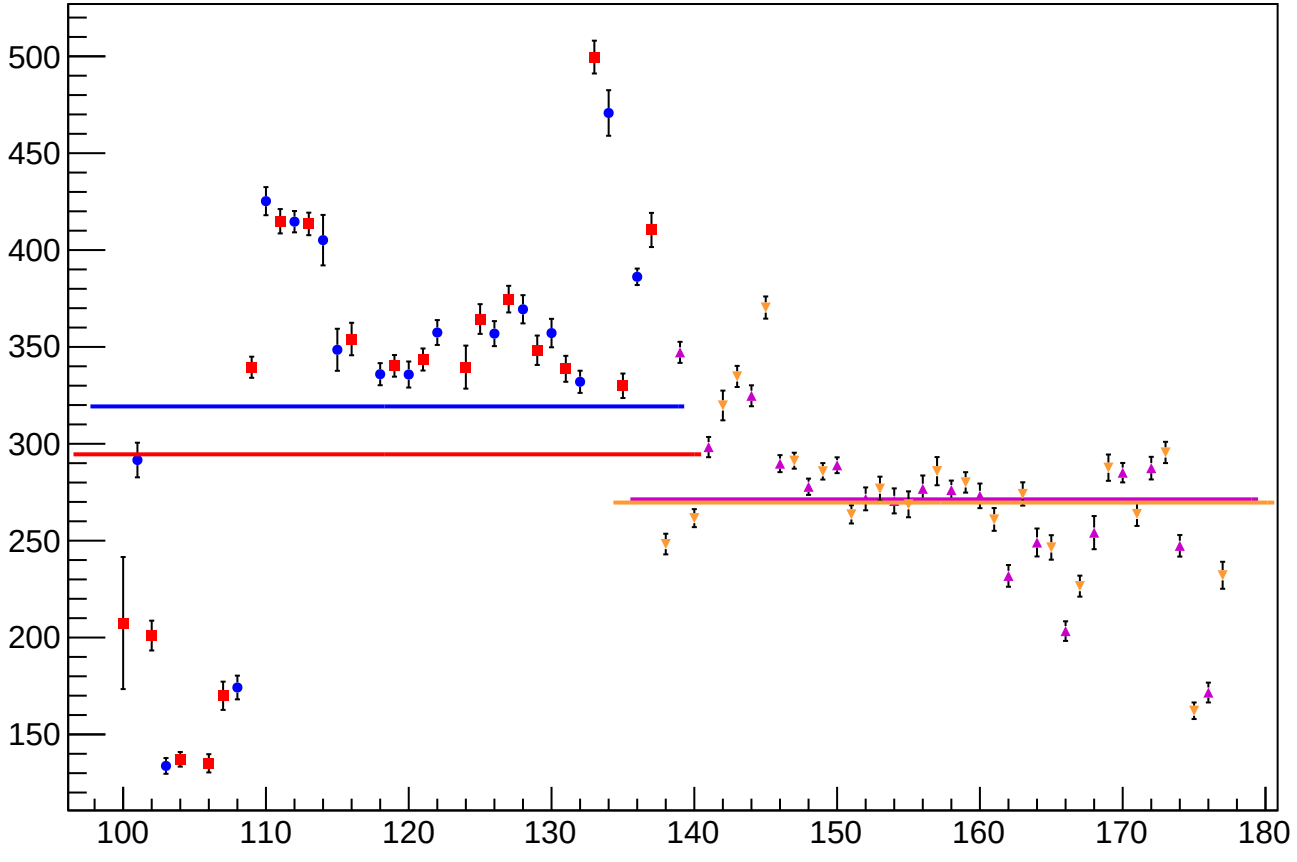
Left In: 9.474+/-0.878 χ^2/NDF:329.5/18

\+ sign 10.952+/-0.728 χ^2/NDF: 585.9/36

All: 10.574+/-0.519 χ^2/NDF: 1030.1/74

\- sign 10.186+/-0.739 χ^2/NDF: 443.7/37

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 269.676+/-1.197 χ^2/NDF:1337.8/20

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

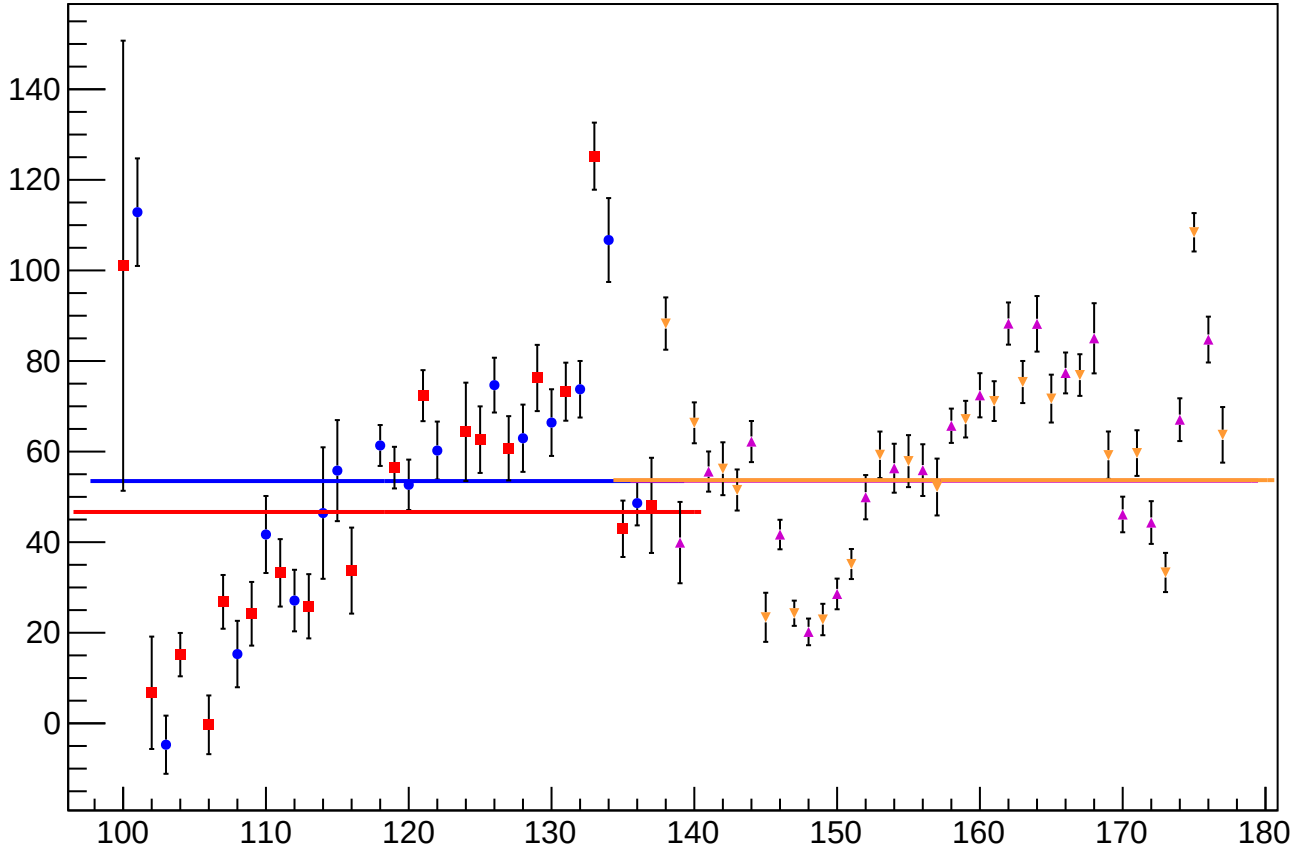
Left In: 271.323+/-1.233 χ^2/NDF:1017.2/18

\+ sign 287.684+/-0.956 χ^2/NDF: 5754.2/36

All: 284.234+/-0.673 χ^2/NDF: 12445.8/74

\- sign 280.839+/-0.948 χ^2/NDF: 6665.8/37

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 53.697+/-0.980 χ^2/NDF:578.0/20

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

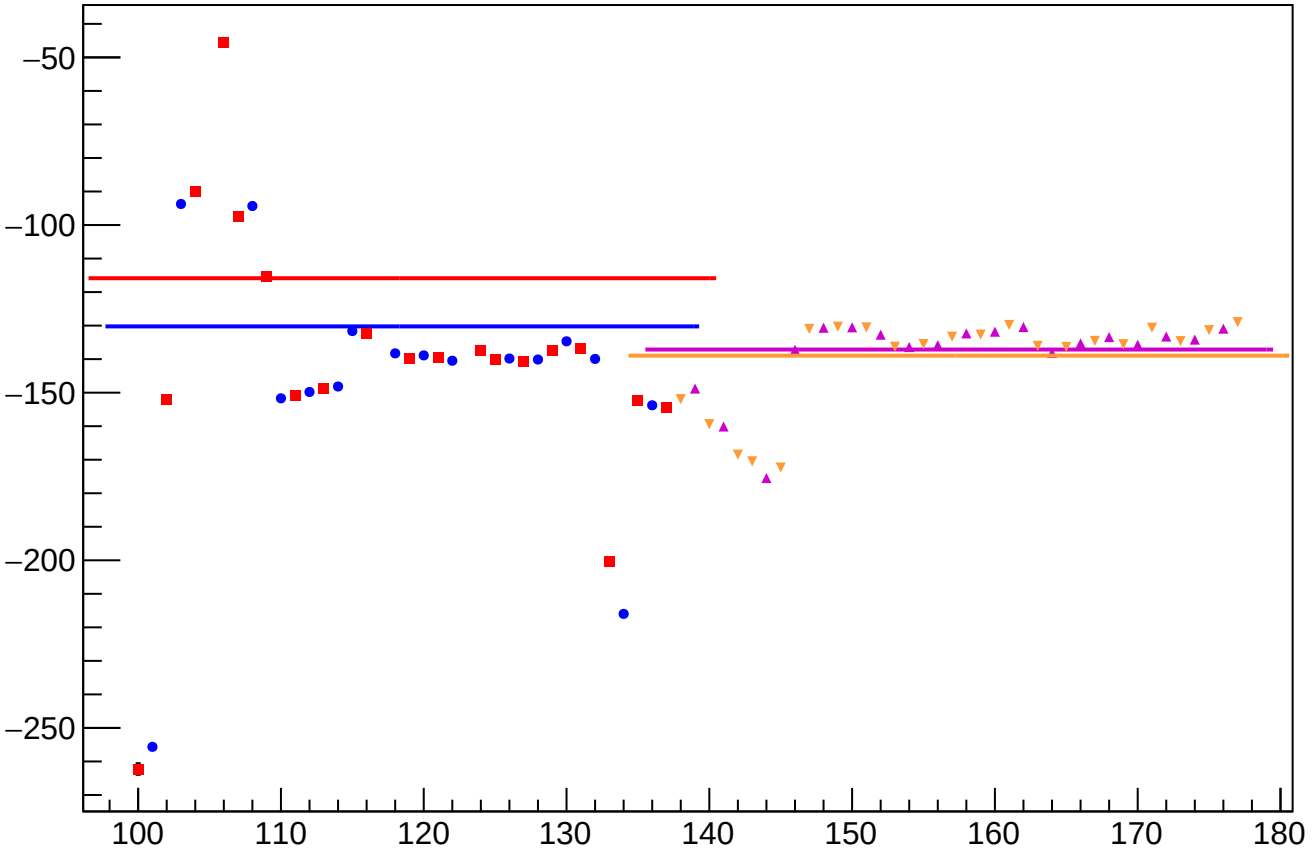
Left In: 53.562+/-1.021 χ^2/NDF:413.9/18

+ sign 53.646+/-0.849 χ^2/NDF: 795.2/36

All: 52.614+/-0.604 χ^2/NDF: 1551.0/74

- sign 51.554+/-0.860 χ^2/NDF: 752.8/37

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -138.957+/-0.046 χ^2/NDF:79609.6/20

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

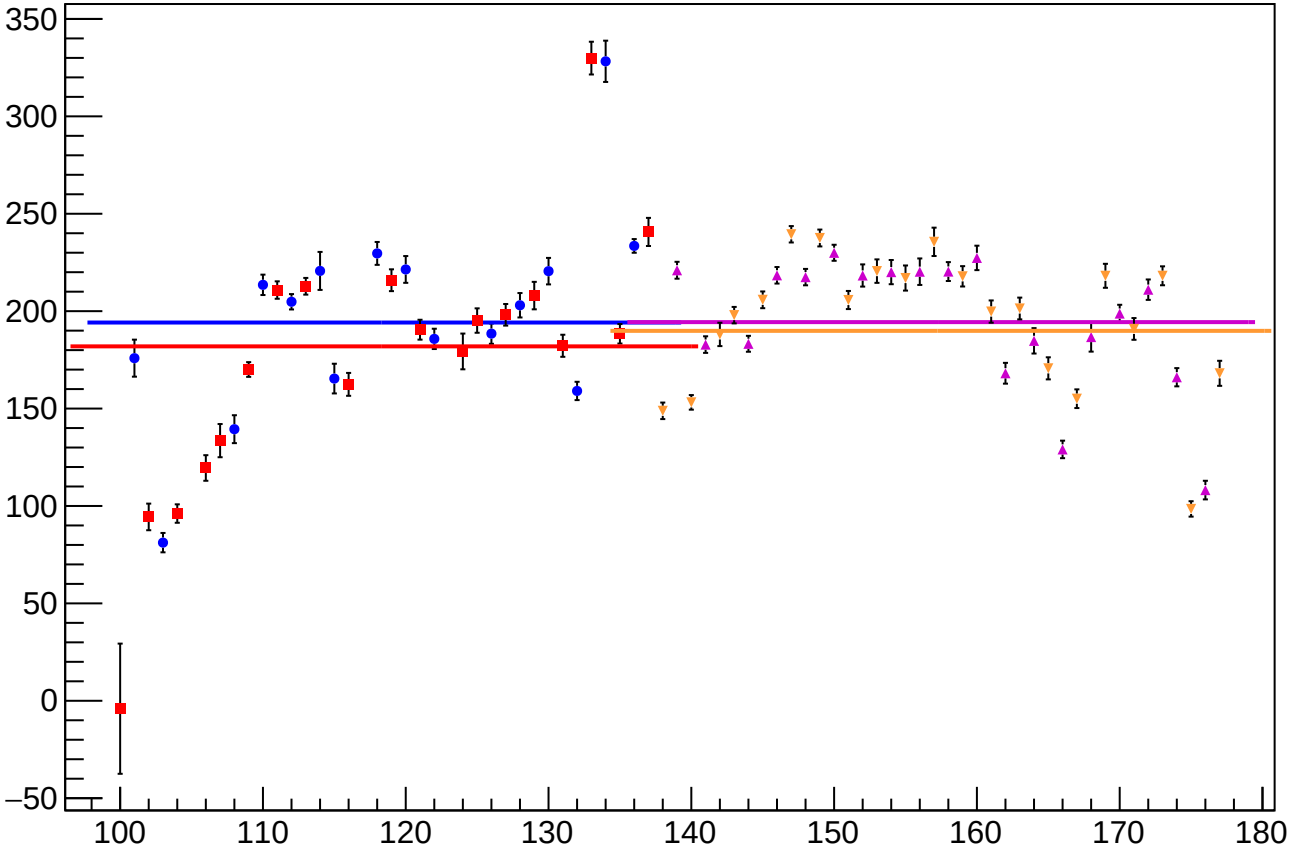
Left In: -137.139+/-0.047 χ^2/NDF:47837.5/18

+ sign -137.175+/-0.041 χ^2/NDF: 261112.3/36

All: -134.715+/-0.029 χ^2/NDF: 569478.3/74

- sign -132.279+/-0.041 χ^2/NDF: 301260.3/37

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 189.891+/-1.082 χ^2/NDF:1262.2/20

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

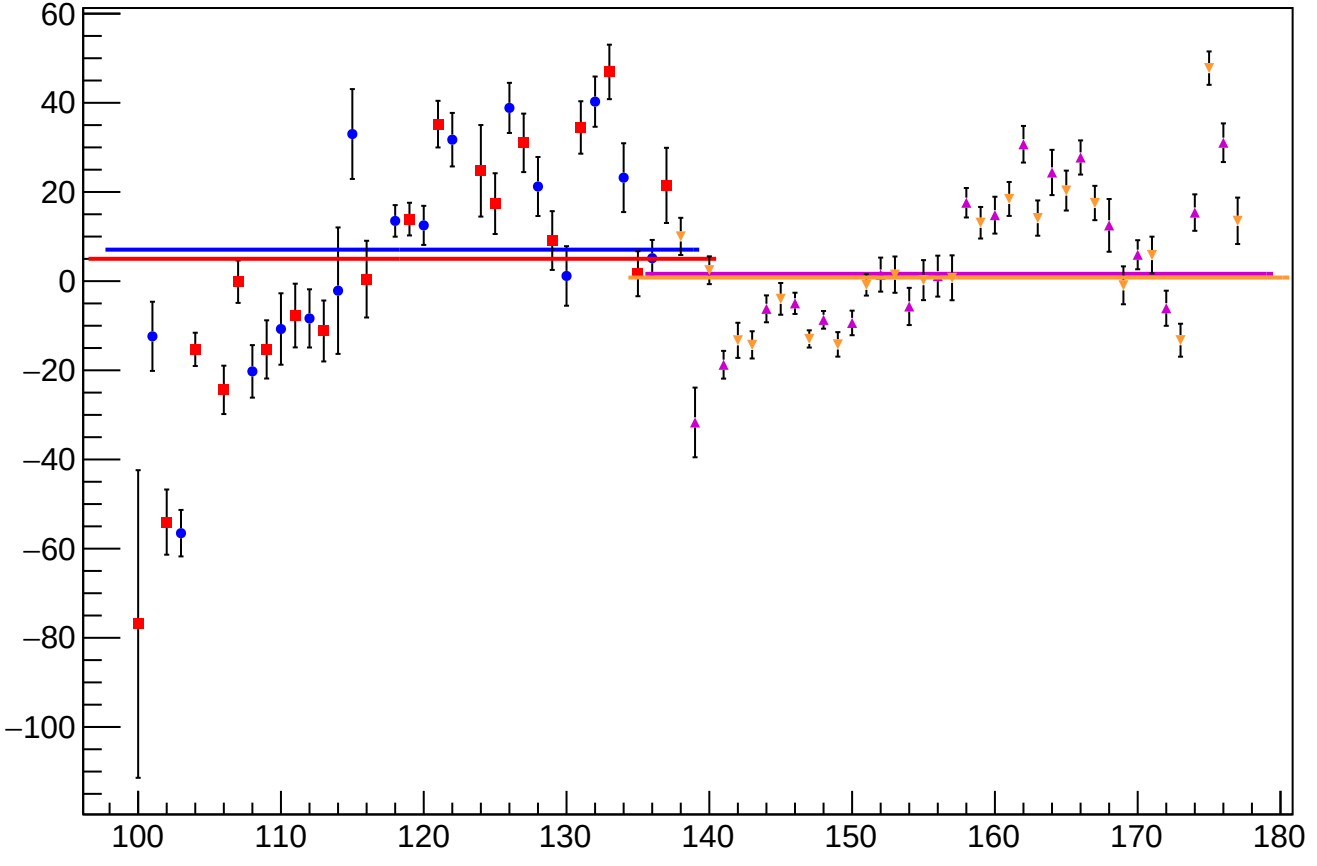
Left In: 194.375+/-1.127 χ^2/NDF:906.9/18

+ sign 191.479+/-0.858 χ^2/NDF: 2303.2/36

All: 190.307+/-0.606 χ^2/NDF: 4470.0/74

- sign 189.134+/-0.858 χ^2/NDF: 2163.1/37

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 0.809+/-0.754 χ^2/NDF:387.5/20

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

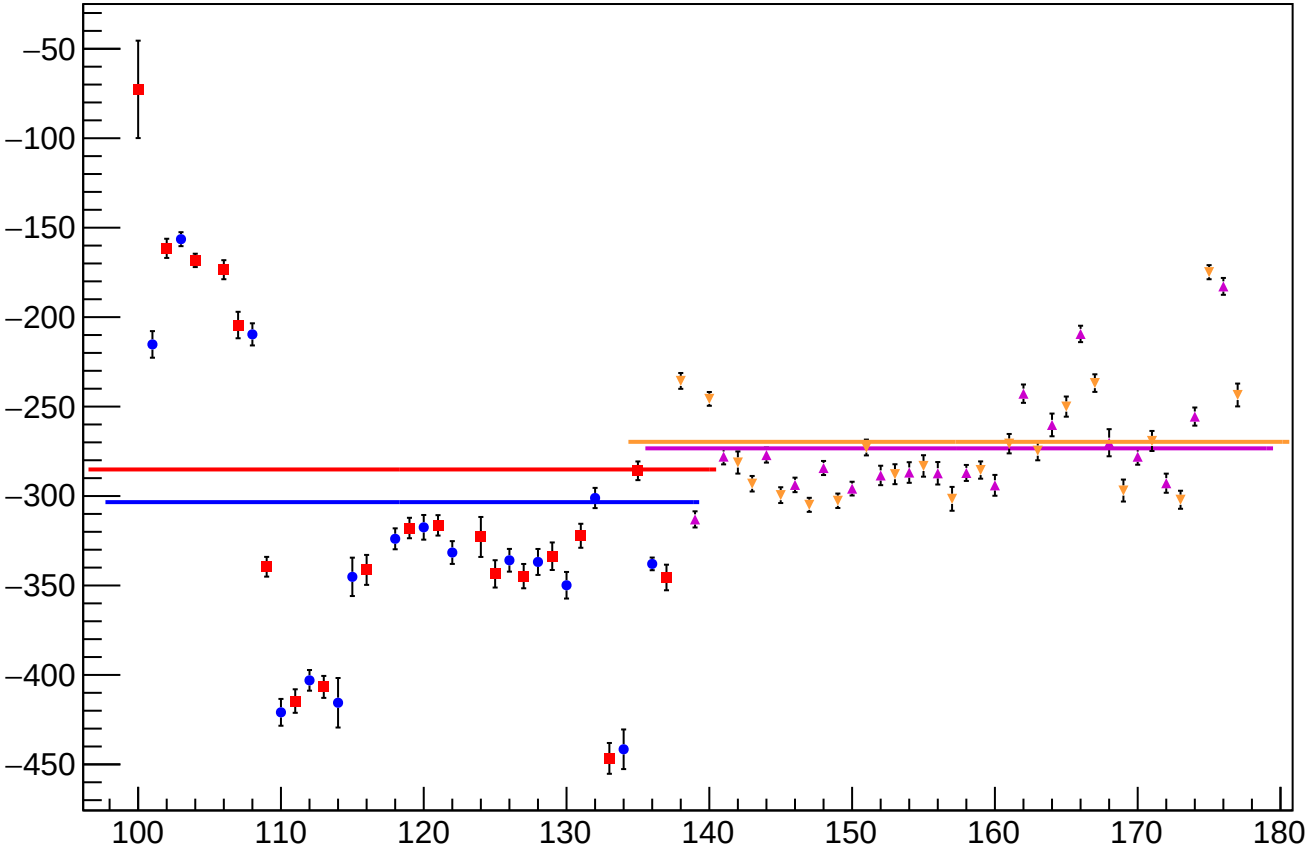
Left In: 1.639+/-0.795 χ^2/NDF:337.9/18

+ sign 2.153+/-0.669 χ^2/NDF: 694.8/36

All: 2.324+/-0.479 χ^2/NDF: 1326.0/74

- sign 2.504+/-0.686 χ^2/NDF: 631.1/37

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -269.706+/-1.066 χ^2/NDF:1086.0/20

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

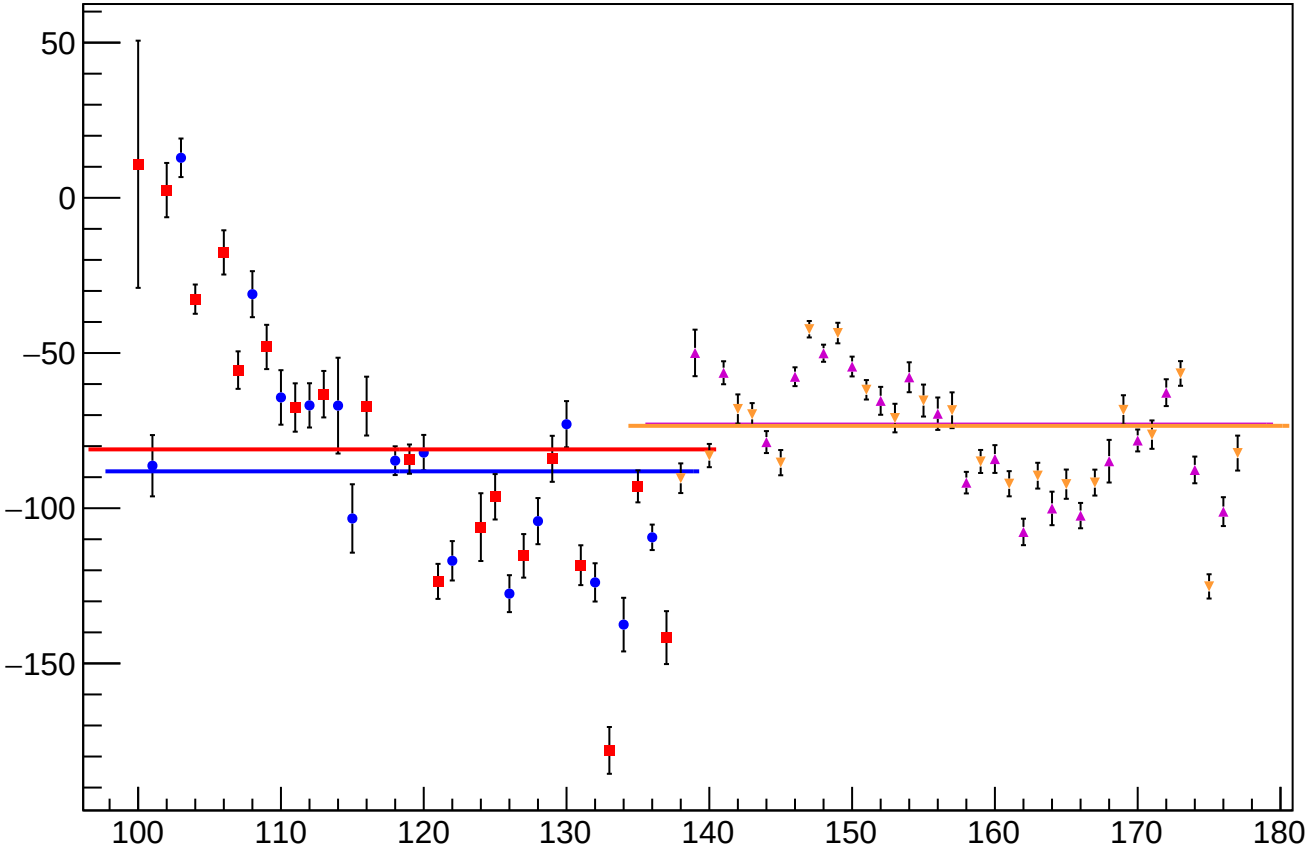
Left In: -273.353+/-1.107 χ^2/NDF:816.7/18

+ sign -280.726+/-0.875 χ^2/NDF: 4198.0/36

All: -279.219+/-0.621 χ^2/NDF: 8817.3/74

- sign -277.694+/-0.880 χ^2/NDF: 4613.3/37

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -73.454+/-0.879 χ^2/NDF:544.3/20

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

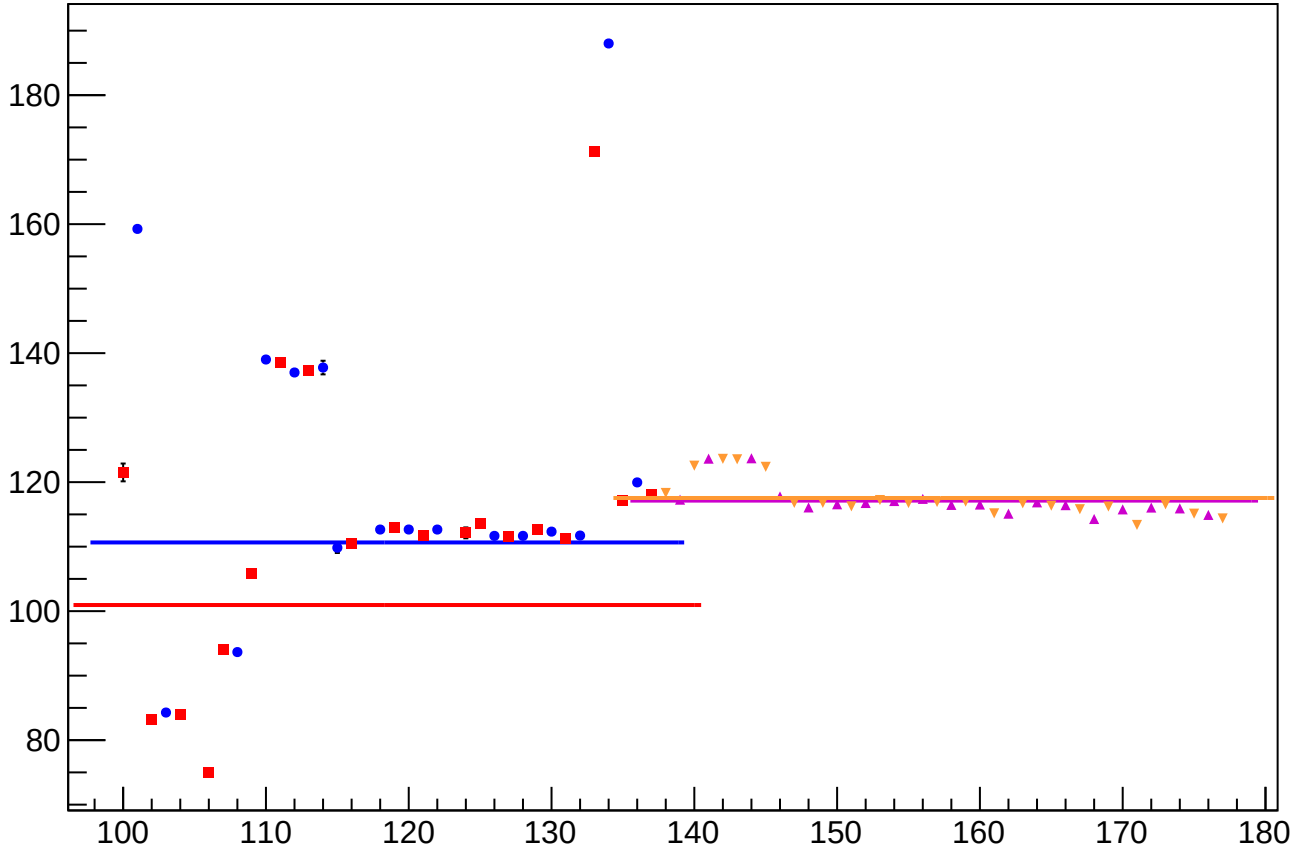
Left In: -73.058+/-0.922 χ^2/NDF:411.5/18

+ sign -76.682+/-0.776 χ^2/NDF: 1117.4/36

All: -75.914+/-0.555 χ^2/NDF: 2227.8/74

- sign -75.109+/-0.795 χ^2/NDF: 1108.3/37

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.544+/-0.041 χ^2/NDF:4654.9/20

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

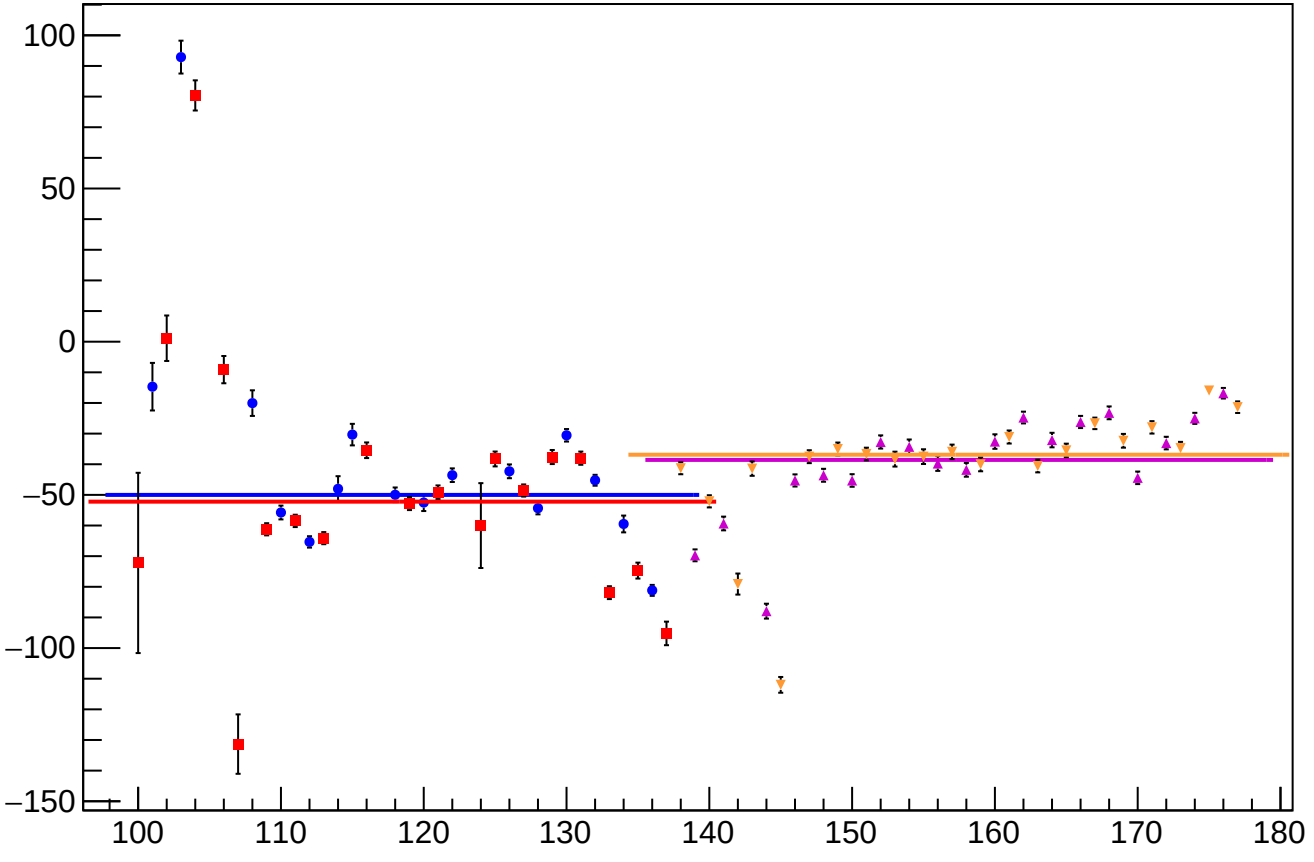
Left In: 117.138+/-0.042 χ^2/NDF:3171.8/18

+ sign 116.253+/-0.037 χ^2/NDF: 93419.5/36

All: 114.987+/-0.026 χ^2/NDF: 192445.4/74

- sign 113.715+/-0.037 χ^2/NDF: 96696.7/37

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -36.889+/-0.461 χ^2/NDF:1410.0/20

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

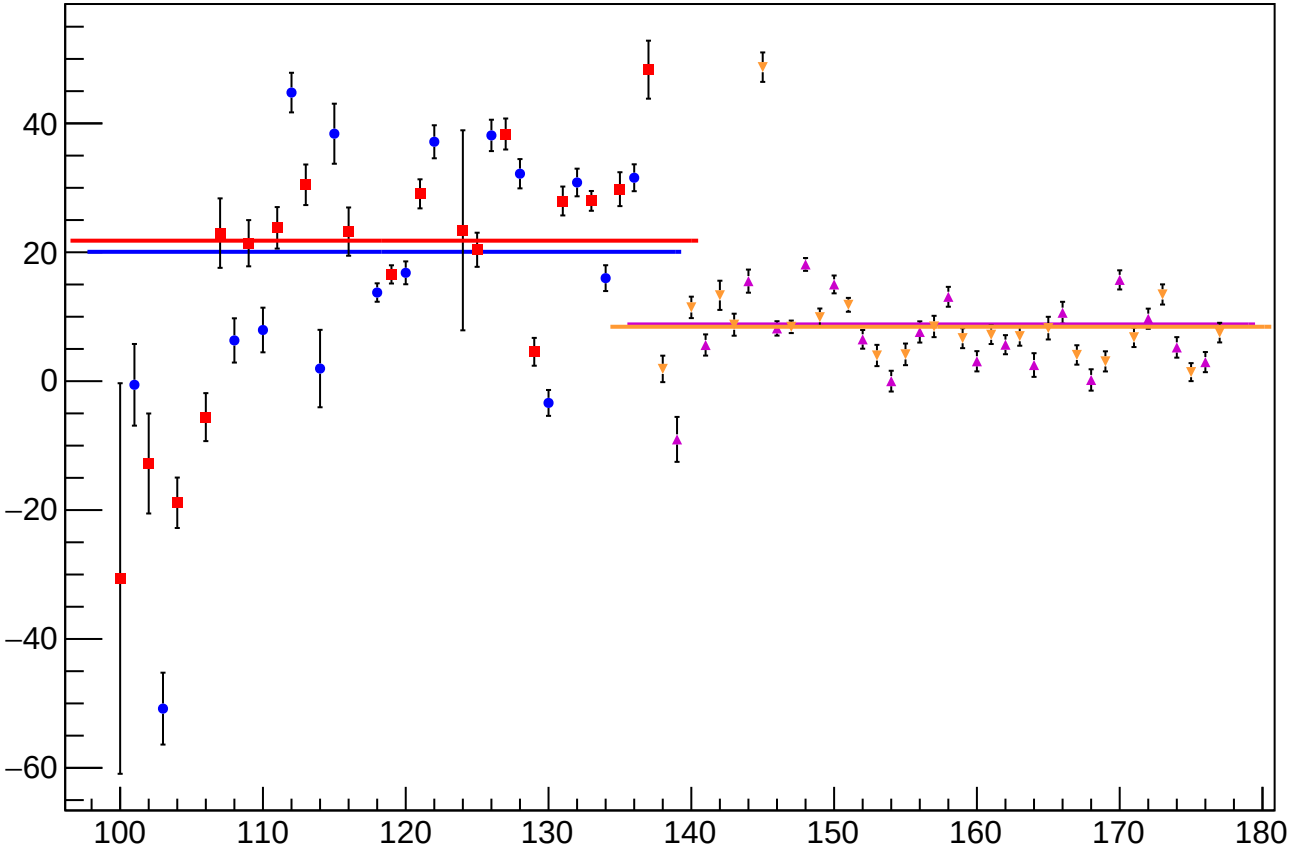
Left In: -38.587+/-0.480 χ^2/NDF:1184.9/18

\+ sign -41.664+/-0.368 χ^2/NDF: 3031.5/36

All: -42.735+/-0.263 χ^2/NDF: 6114.9/74

\- sign -43.853+/-0.376 χ^2/NDF: 3066.0/37

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.444+/-0.330 χ^2/NDF:414.1/20

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

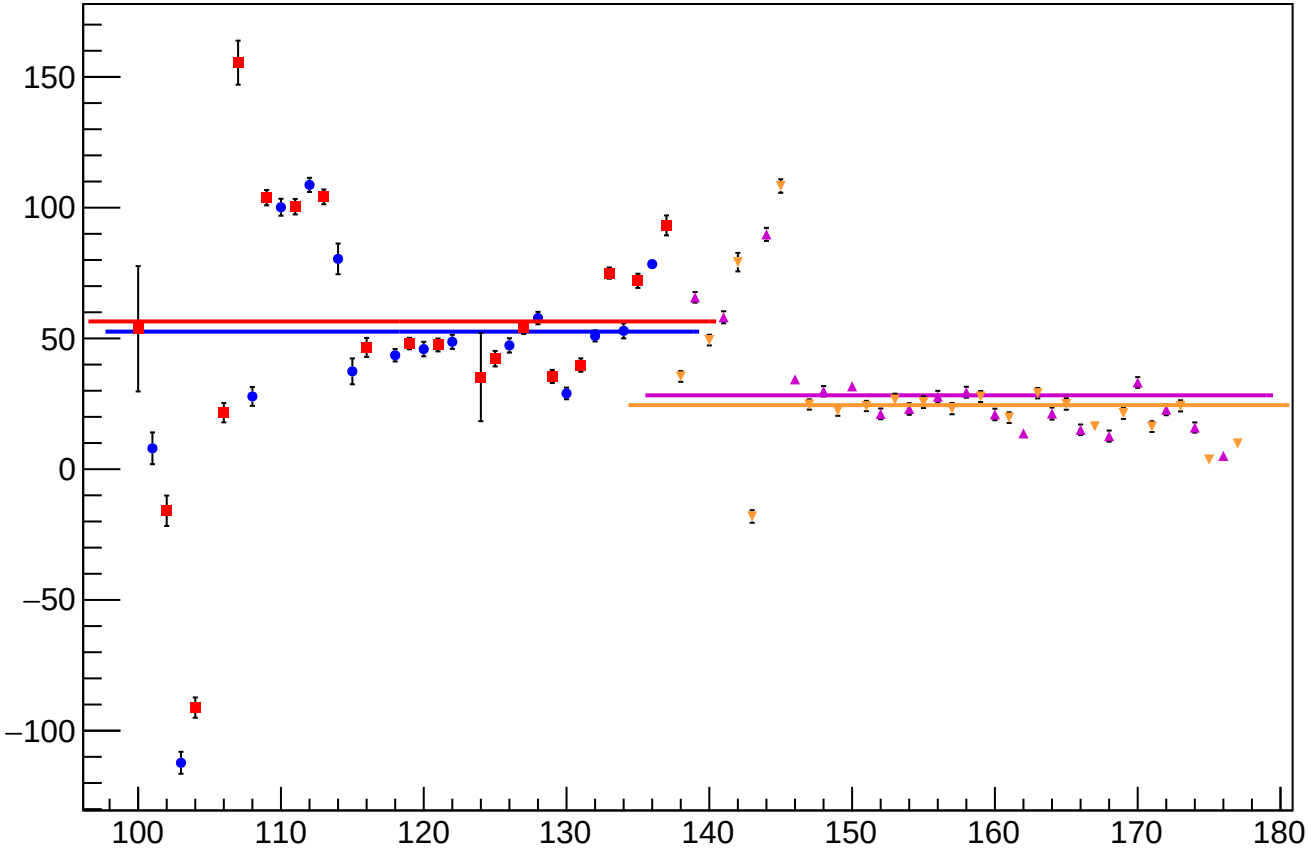
Left In: 8.806+/-0.348 χ^2/NDF:290.7/18

+ sign 11.058+/-0.290 χ^2/NDF: 1330.2/36

All: 11.459+/-0.210 χ^2/NDF: 2353.8/74

- sign 11.897+/-0.303 χ^2/NDF: 1019.6/37

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 24.494+/-0.453 χ^2/NDF:2082.9/20

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

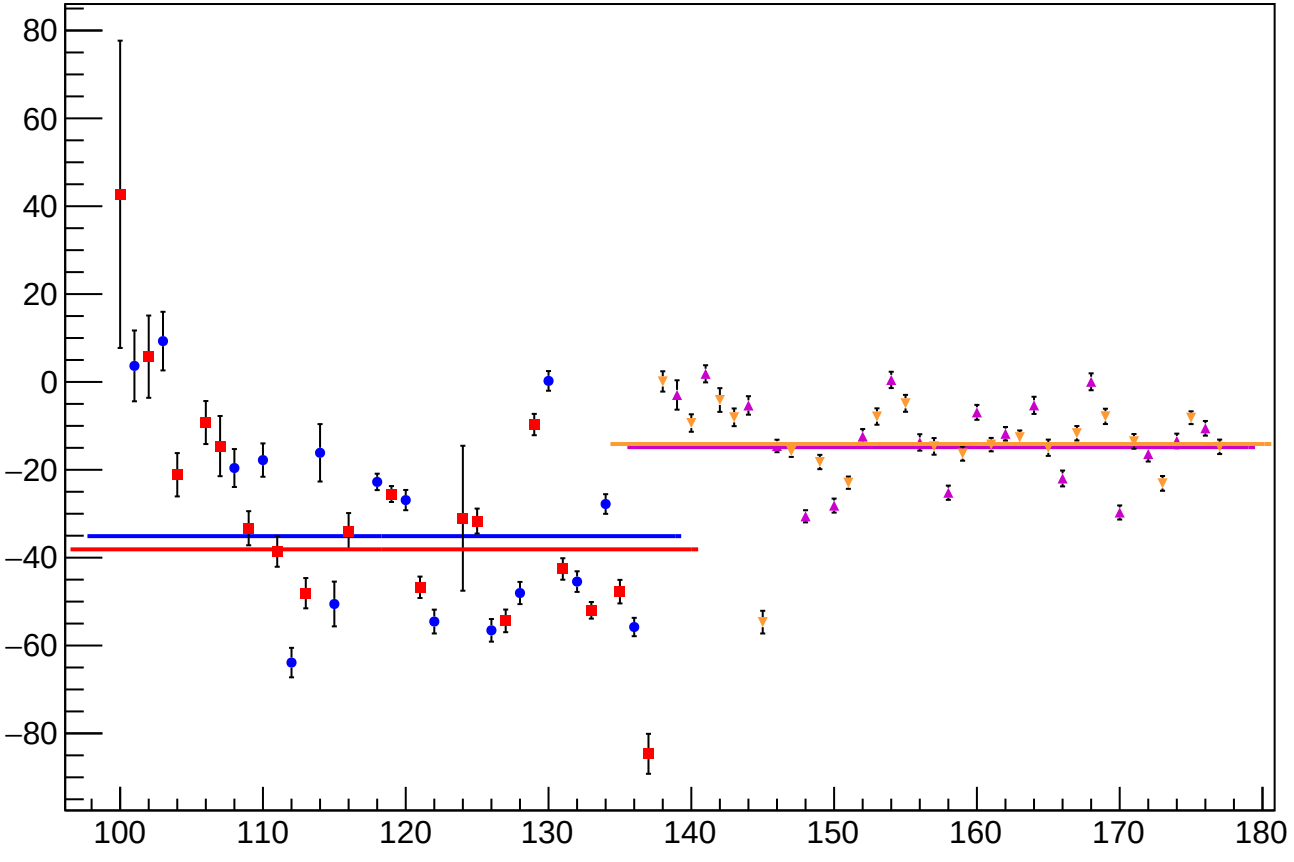
Left In: 28.246+/-0.472 χ^2/NDF:1563.4/18

+ sign 32.858+/-0.380 χ^2/NDF: 5887.1/36

All: 34.851+/-0.273 χ^2/NDF: 11581.3/74

- sign 36.974+/-0.392 χ^2/NDF: 5637.4/37

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.132+/-0.377 χ^2/NDF:458.5/20

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

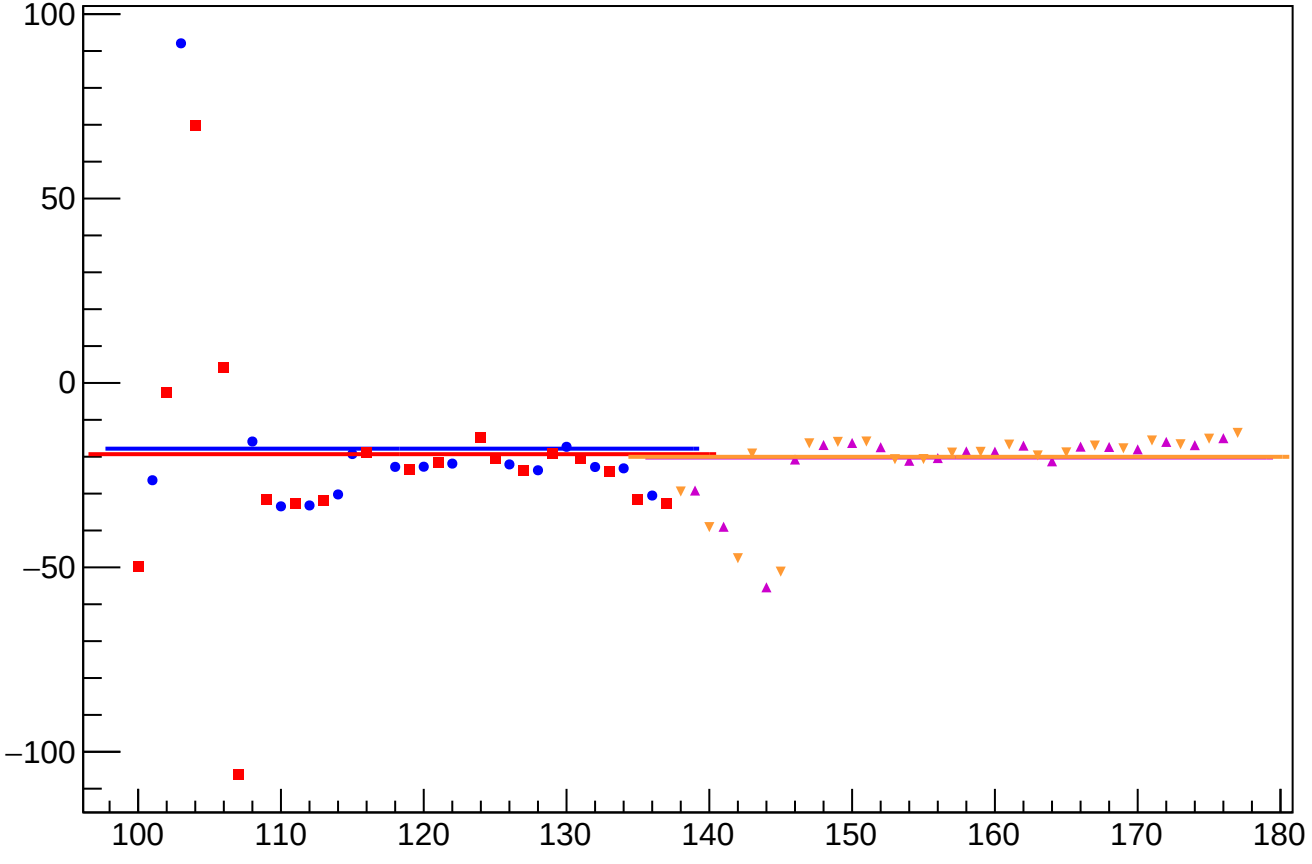
Left In: -14.837+/-0.397 χ^2/NDF:634.1/18

+ sign -18.851+/-0.332 χ^2/NDF: 1927.2/36

All: -19.562+/-0.240 χ^2/NDF: 3896.9/74

- sign -20.340+/-0.347 χ^2/NDF: 1960.1/37

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -20.025+/-0.017 χ^2/NDF:219895.8/20

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

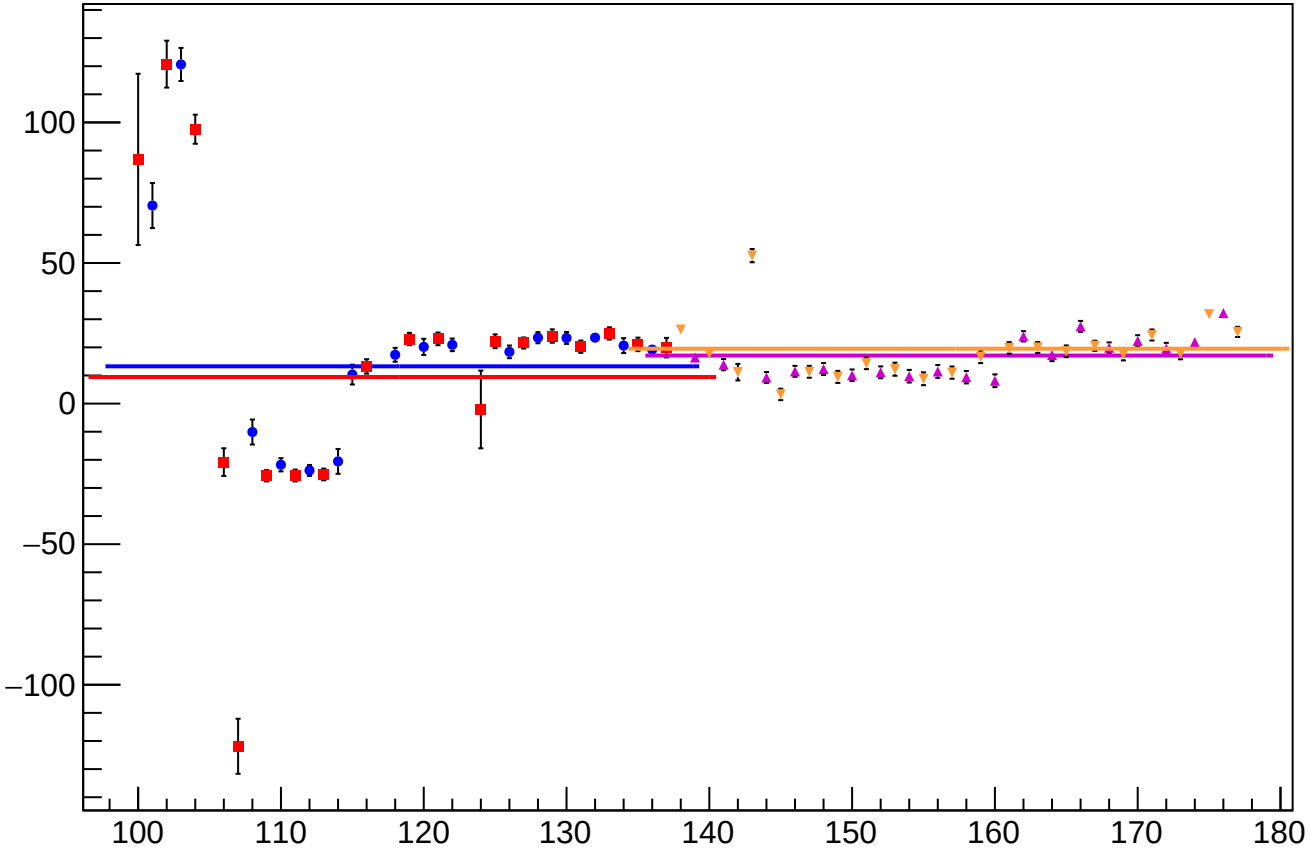
Left In: -20.214+/-0.017 χ^2/NDF:178459.3/18

+ sign -19.727+/-0.016 χ^2/NDF: 648258.2/36

All: -19.909+/-0.011 χ^2/NDF: 1171949.0/74

- sign -20.101+/-0.016 χ^2/NDF: 523422.2/37

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 19.526+/-0.439 χ^2/NDF:468.4/20

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

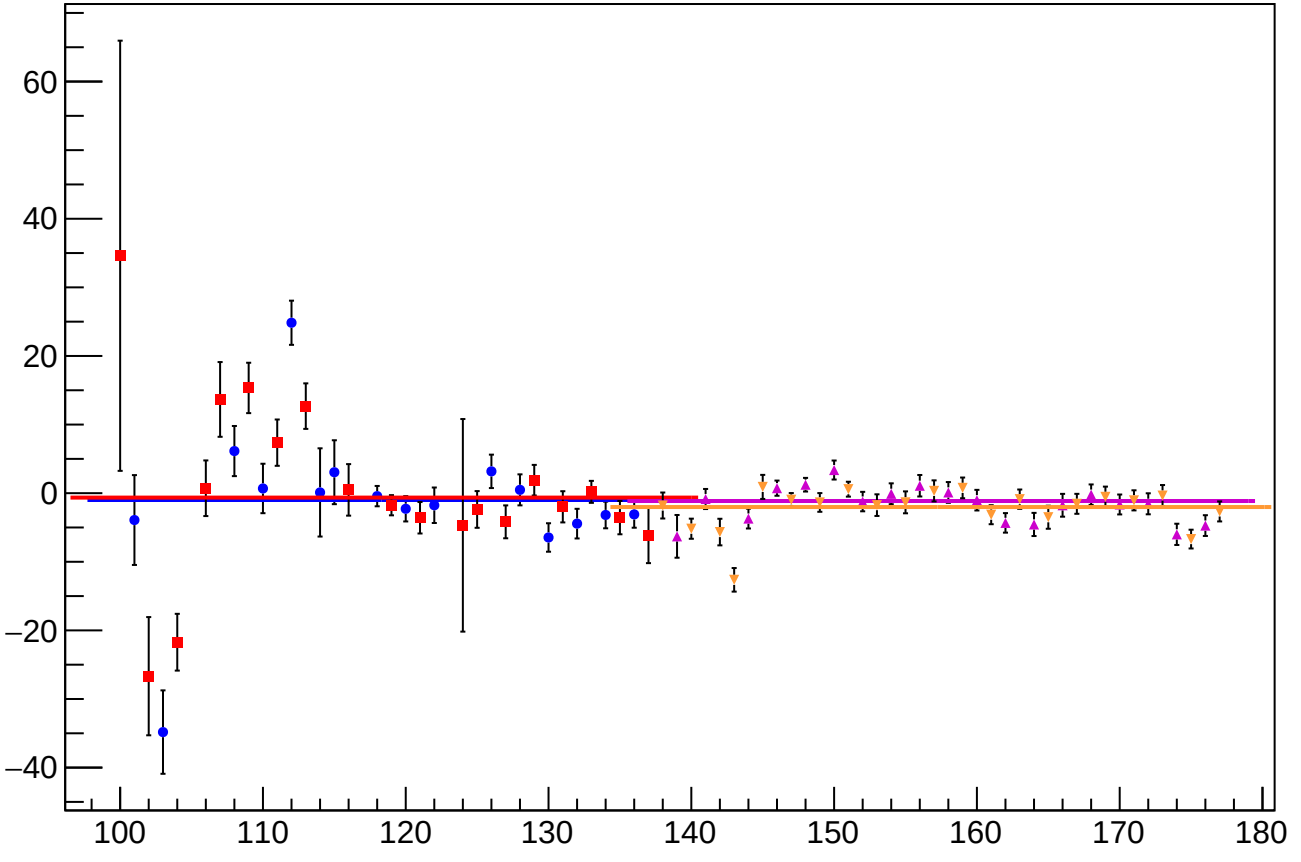
Left In: 17.086+/-0.456 χ^2/NDF:238.2/18

+ sign 17.404+/-0.357 χ^2/NDF: 1719.8/36

All: 15.929+/-0.256 χ^2/NDF: 3929.1/74

- sign 14.381+/-0.366 χ^2/NDF: 2174.4/37

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.021+/-0.317 χ^2/NDF:78.9/20

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

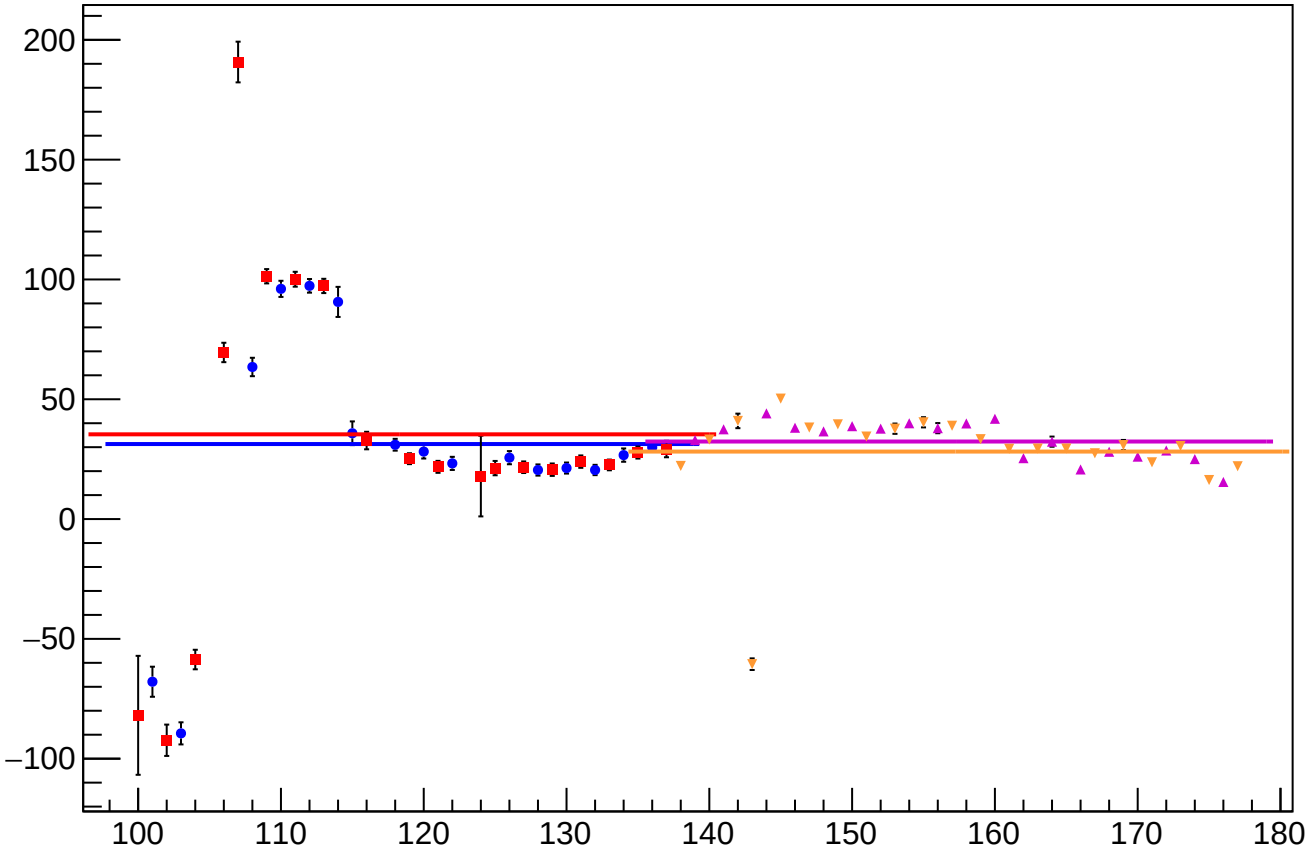
Left In: -1.142+/-0.333 χ^2/NDF:53.6/18

+ sign -1.808+/-0.282 χ^2/NDF: 197.5/36

All: -1.438+/-0.204 χ^2/NDF: 349.3/74

- sign -1.035+/-0.295 χ^2/NDF: 148.3/37

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 28.170+/-0.432 χ^2/NDF:1731.8/20

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

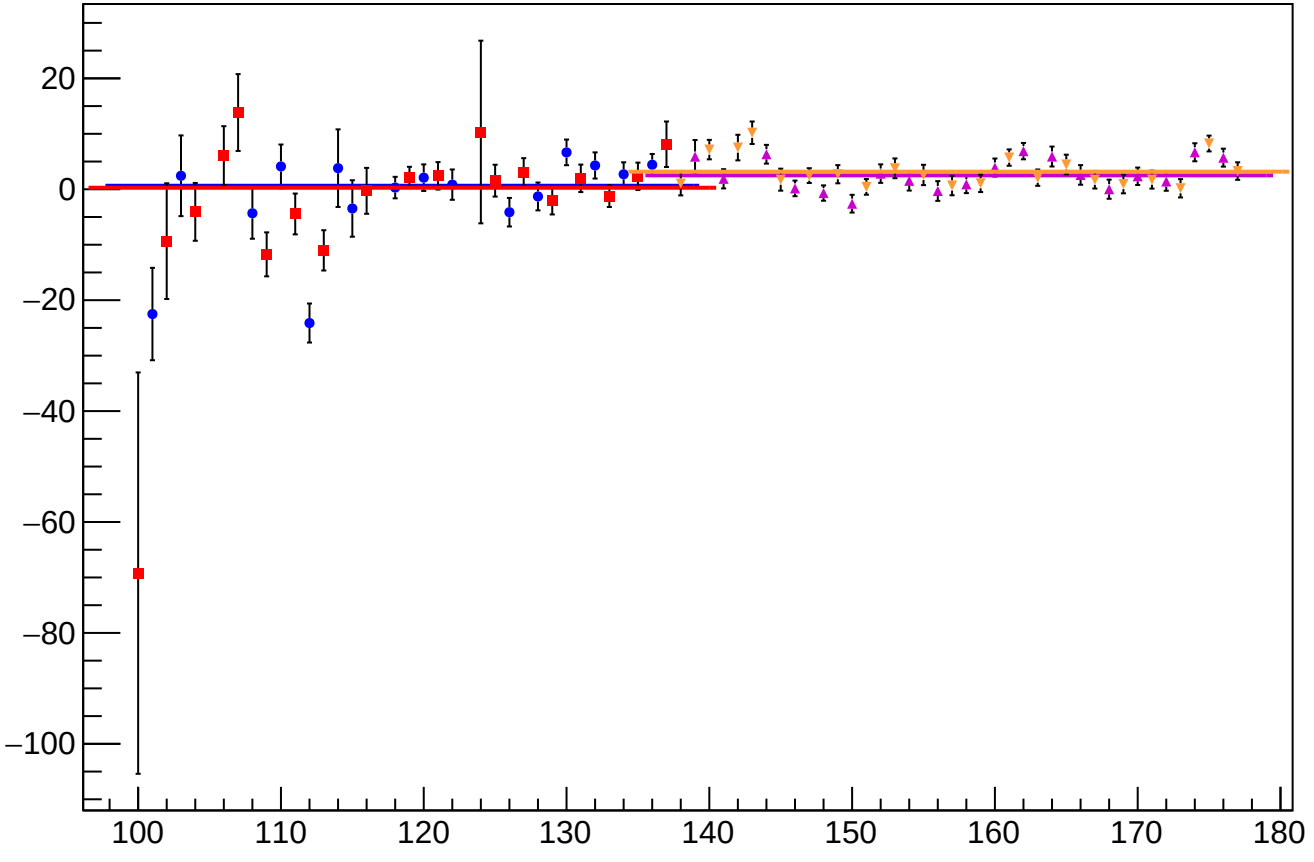
Left In: 32.363+/-0.448 χ^2/NDF:314.7/18

+ sign 29.036+/-0.368 χ^2/NDF: 3832.3/36

All: 31.053+/-0.264 χ^2/NDF: 7119.5/74

- sign 33.206+/-0.380 χ^2/NDF: 3225.0/37

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.175+/-0.362 χ^2/NDF:53.8/20

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

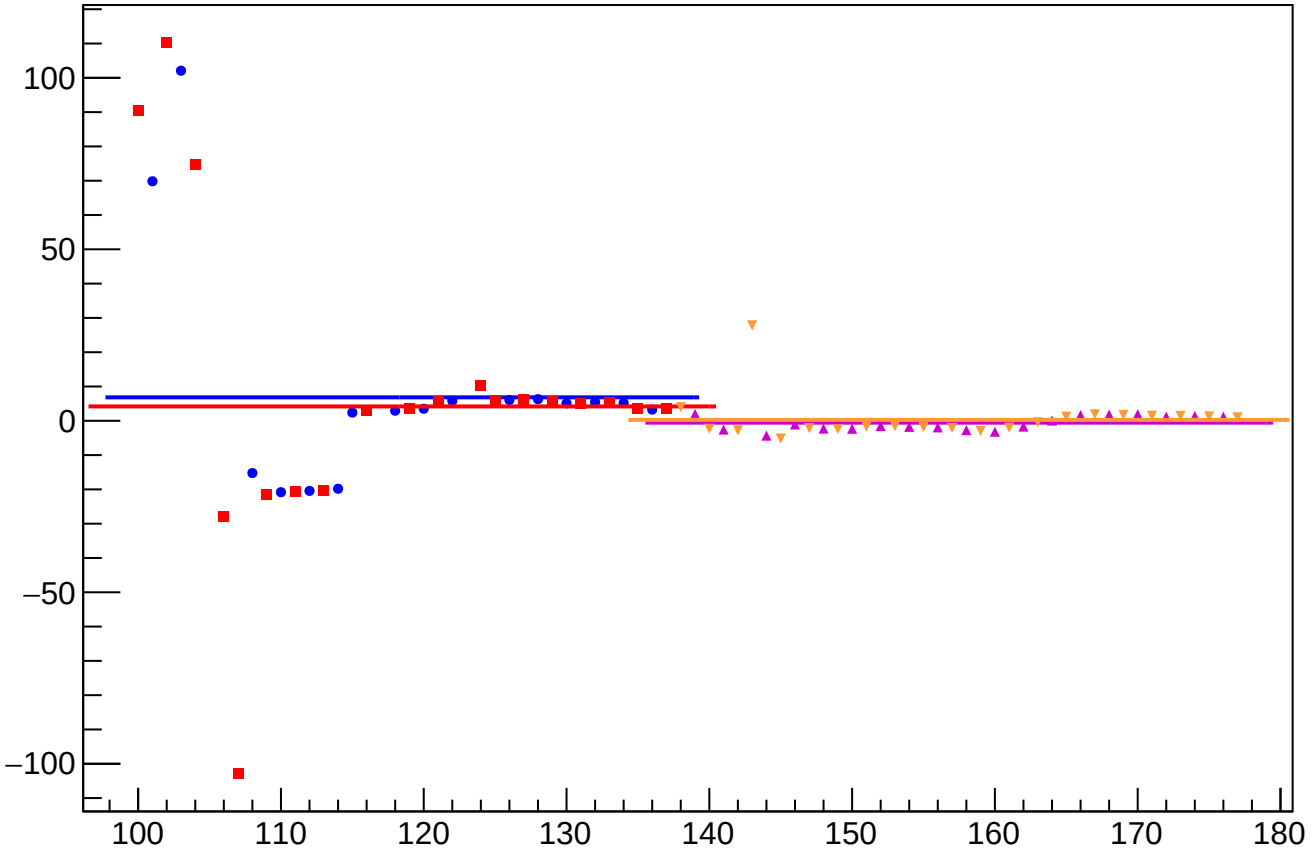
Left In: 2.513+/-0.380 χ^2/NDF:54.8/18

+ sign 2.644+/-0.322 χ^2/NDF: 142.5/36

All: 2.352+/-0.233 χ^2/NDF: 247.0/74

- sign 2.032+/-0.337 χ^2/NDF: 102.7/37

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.269+/-0.016 χ^2/NDF:93972.4/20

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

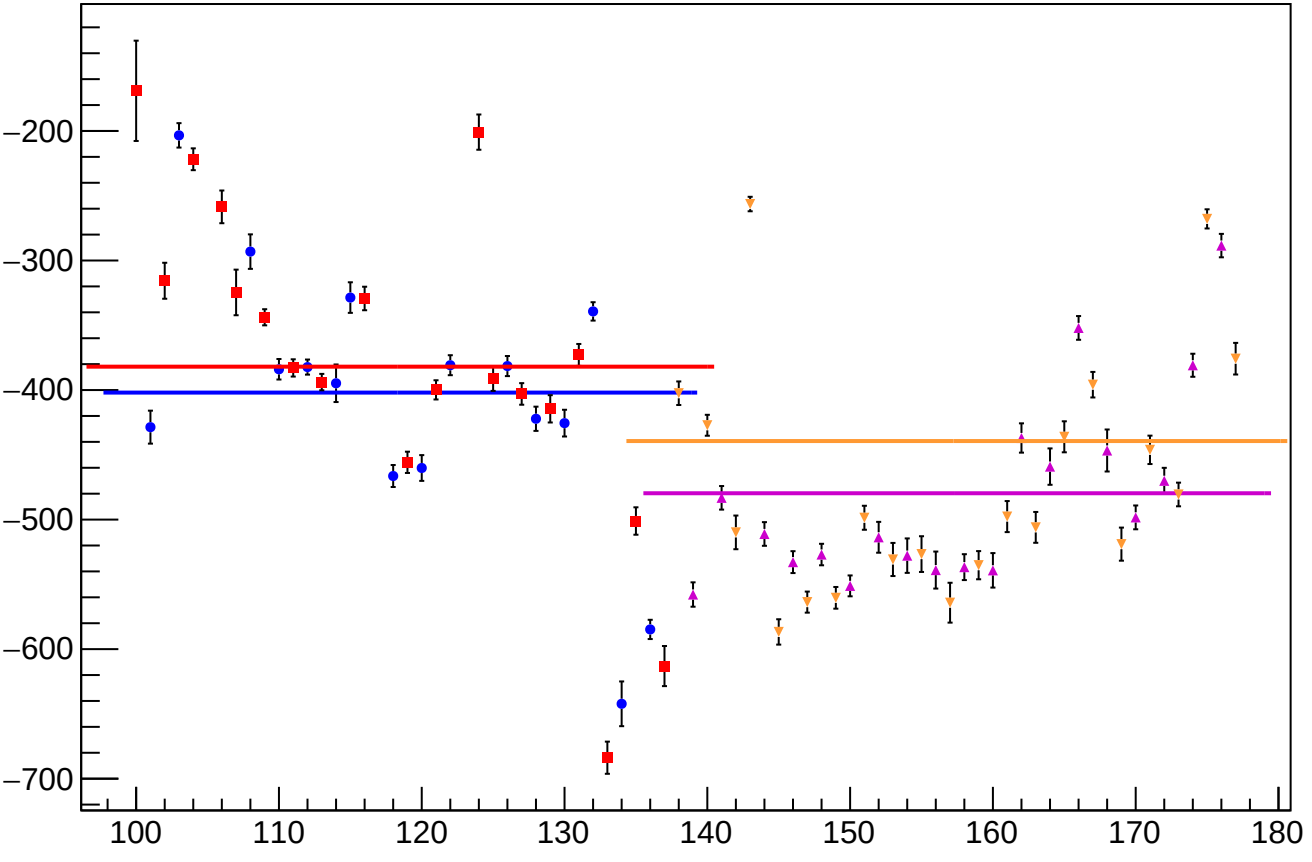
Left In: -0.542+/-0.017 χ^2/NDF:13900.5/18

+ sign 1.098+/-0.015 χ^2/NDF: 435465.3/36

All: 0.563+/-0.011 χ^2/NDF: 895712.2/74

- sign -0.002+/-0.016 χ^2/NDF: 457703.2/37

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -439.367+/-2.115 χ^2/NDF:2763.1/20

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

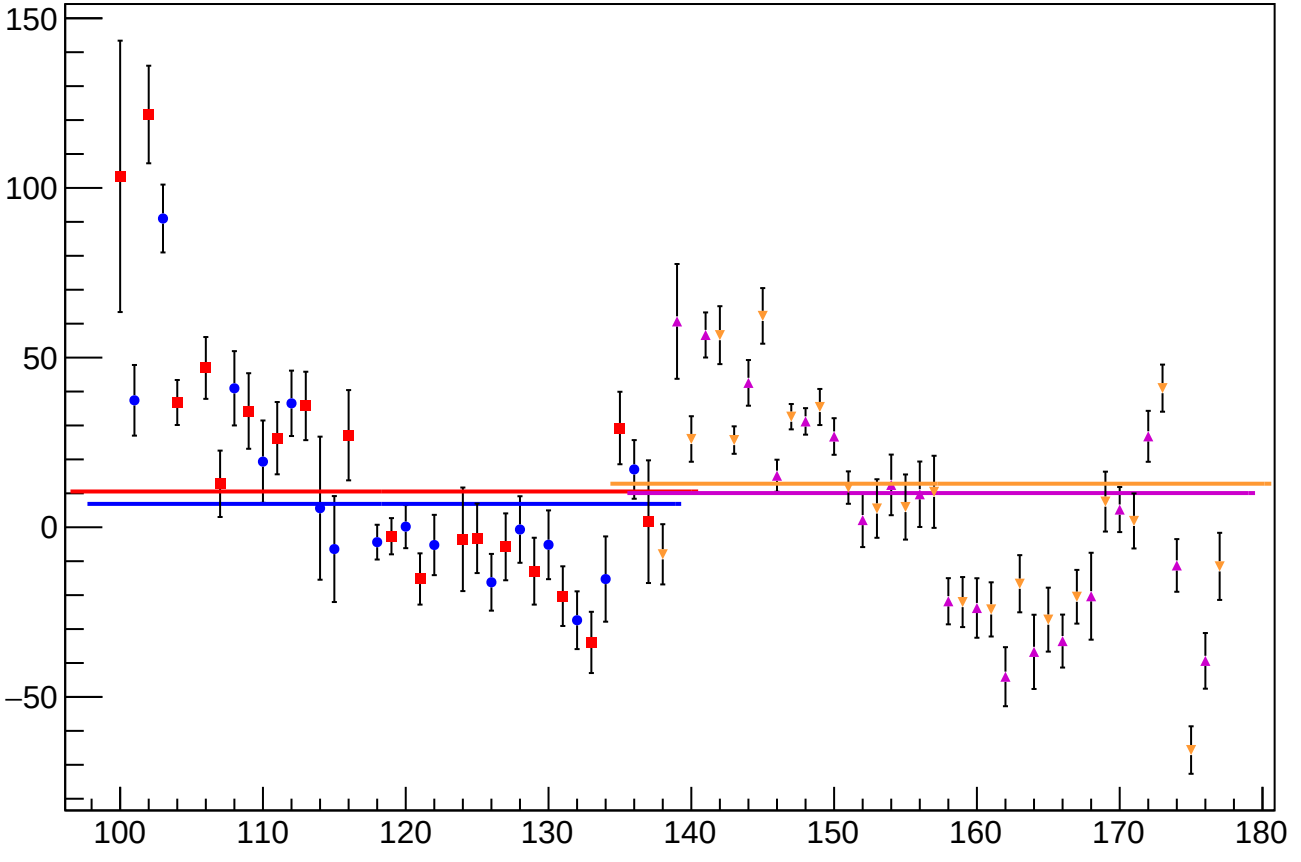
Left In: -479.664+/-2.307 χ^2/NDF:1113.1/18

+ sign -421.704+/-1.537 χ^2/NDF: 4474.0/36

All: -424.205+/-1.096 χ^2/NDF: 8380.9/74

- sign -426.791+/-1.563 χ^2/NDF: 3901.5/37

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 12.836+/-1.469 χ^2/NDF:371.9/20

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

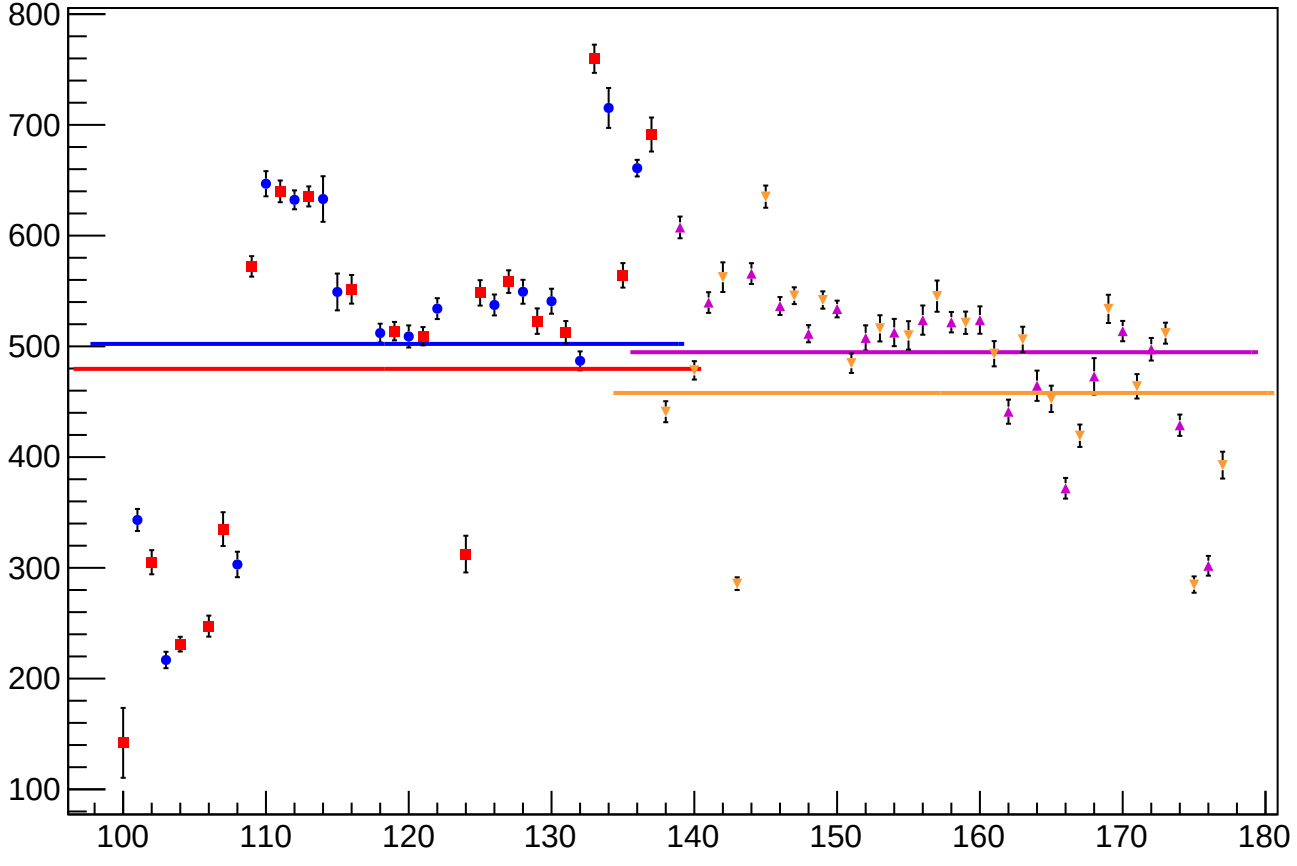
Left In: 10.079+/-1.616 χ^2/NDF:302.6/18

\+ sign 11.075+/-1.232 χ^2/NDF: 515.2/36

All: 10.681+/-0.895 χ^2/NDF: 998.0/74

\- sign 10.242+/-1.302 χ^2/NDF: 482.6/37

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 457.937+/-2.090 χ^2/NDF:2348.0/20

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

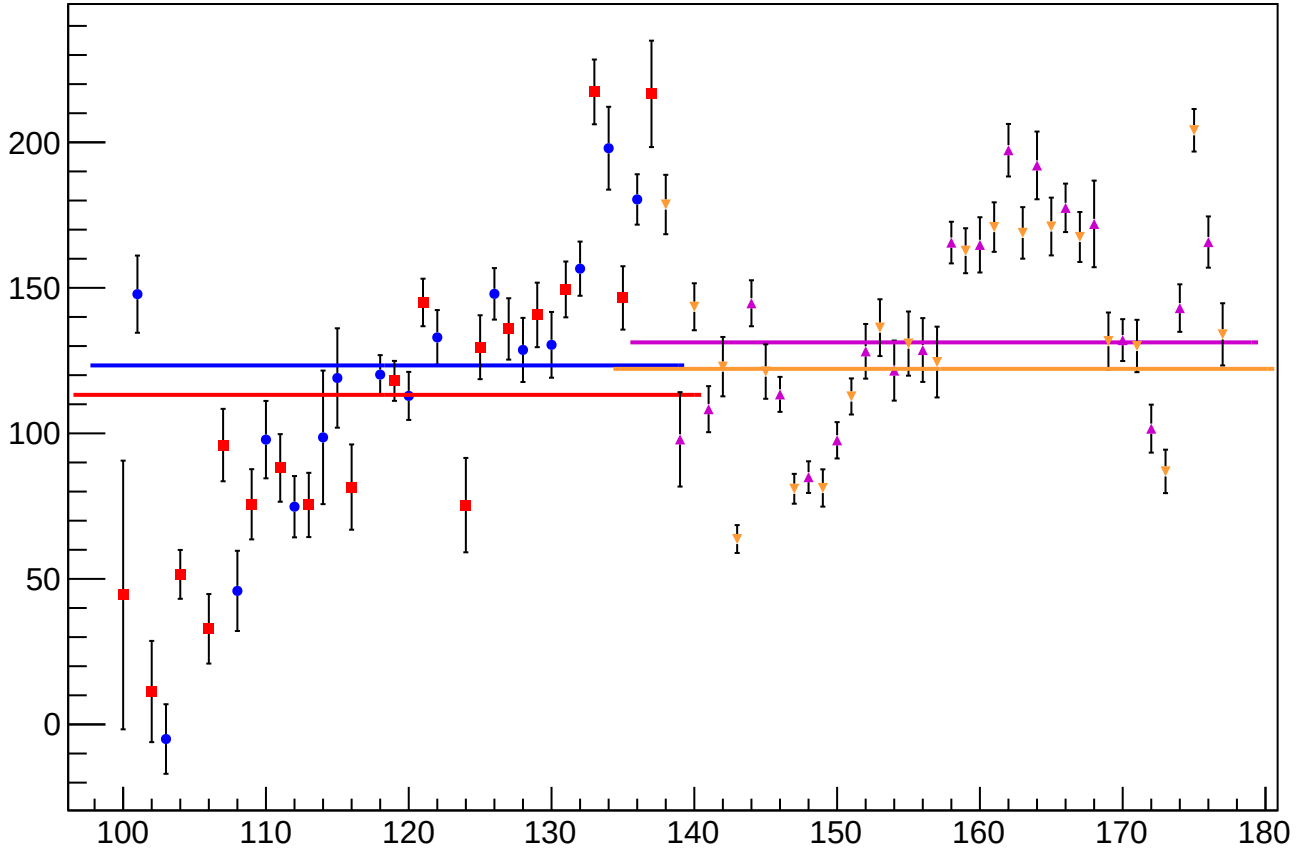
Left In: 494.733+/-2.265 χ^2/NDF:1014.8/18

+ sign 476.209+/-1.601 χ^2/NDF: 5668.5/36

All: 481.764+/-1.148 χ^2/NDF: 10867.4/74

- sign 487.640+/-1.647 χ^2/NDF: 5174.2/37

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 122.168+/-1.718 χ^2/NDF:588.6/20

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

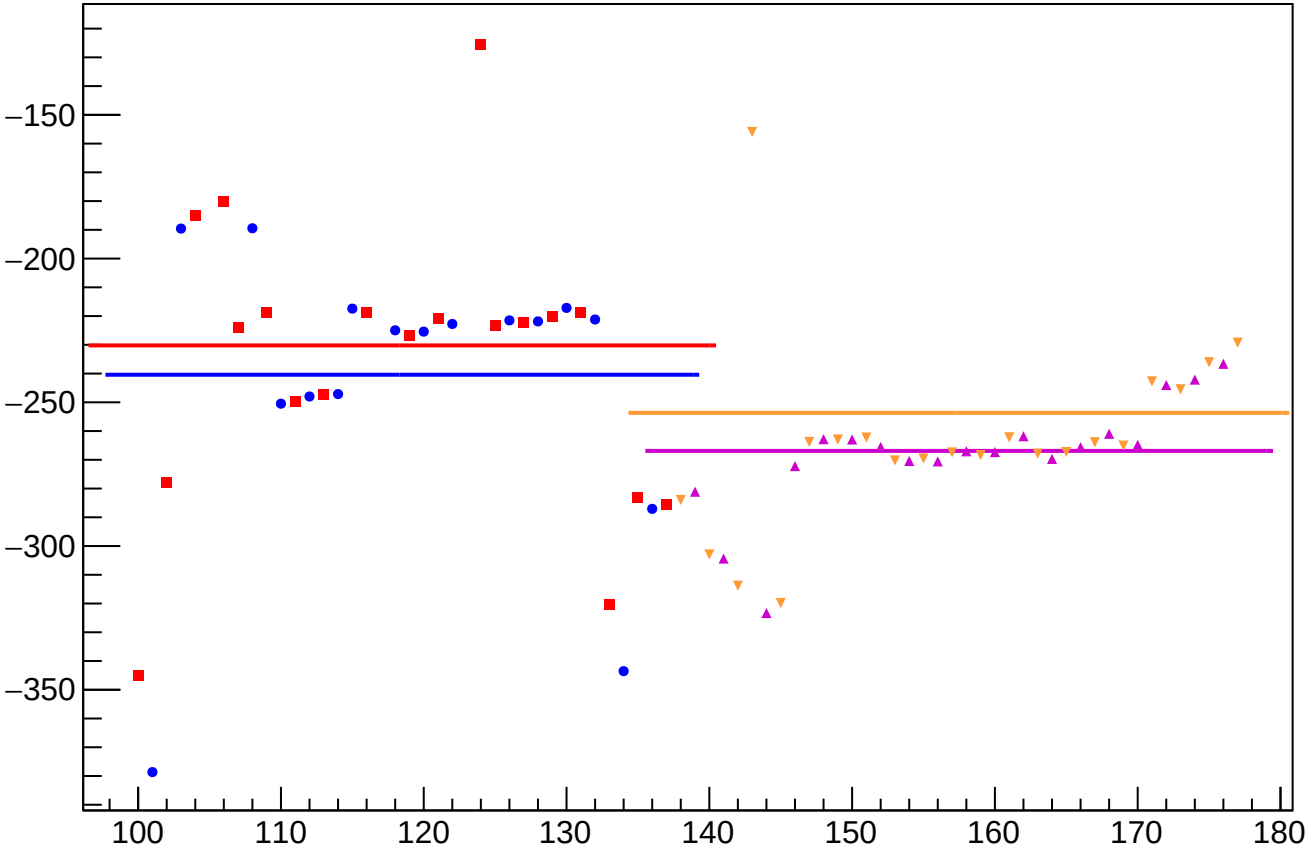
Left In: 131.265+/-1.879 χ^2/NDF:311.9/18

+ sign 122.520+/-1.438 χ^2/NDF: 860.1/36

All: 123.653+/-1.042 χ^2/NDF: 1551.6/74

- sign 124.905+/-1.512 χ^2/NDF: 690.2/37

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -253.667+/-0.081 χ^2/NDF:249410.6/20

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

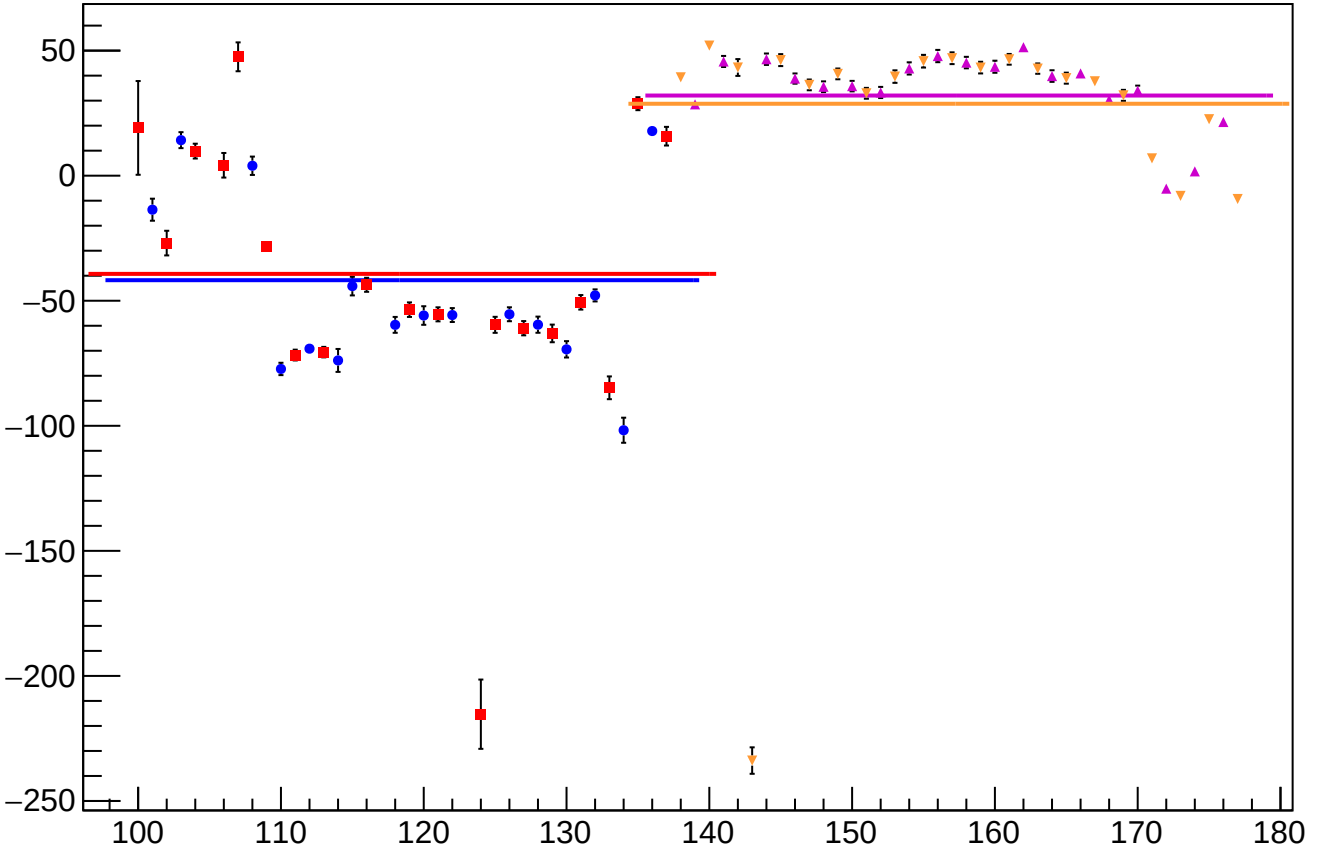
Left In: -266.903+/-0.086 χ^2/NDF:46253.0/18

+ sign -250.670+/-0.072 χ^2/NDF: 389557.5/36

All: -253.978+/-0.051 χ^2/NDF: 570359.1/74

- sign -257.518+/-0.074 χ^2/NDF: 176384.3/37

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 28.754+/-0.462 χ^2/NDF:4071.0/20

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

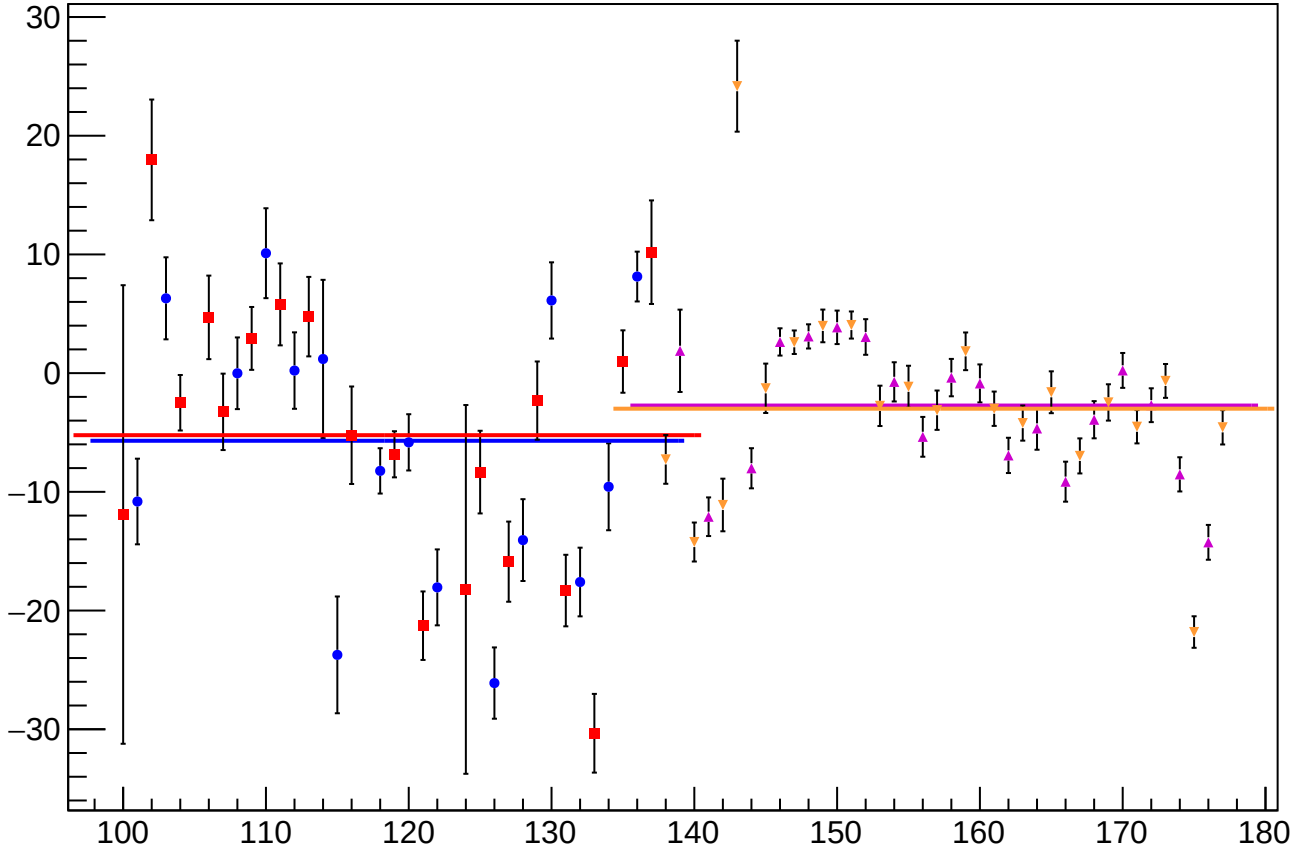
Left In: 32.044+/-0.472 χ^2/NDF:1128.3/18

+ sign 8.324+/-0.389 χ^2/NDF: 13236.6/36

All: 8.583+/-0.275 χ^2/NDF: 24269.9/74

- sign 8.839+/-0.388 χ^2/NDF: 11032.4/37

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -2.995+/-0.333 χ^2/NDF:435.9/20

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

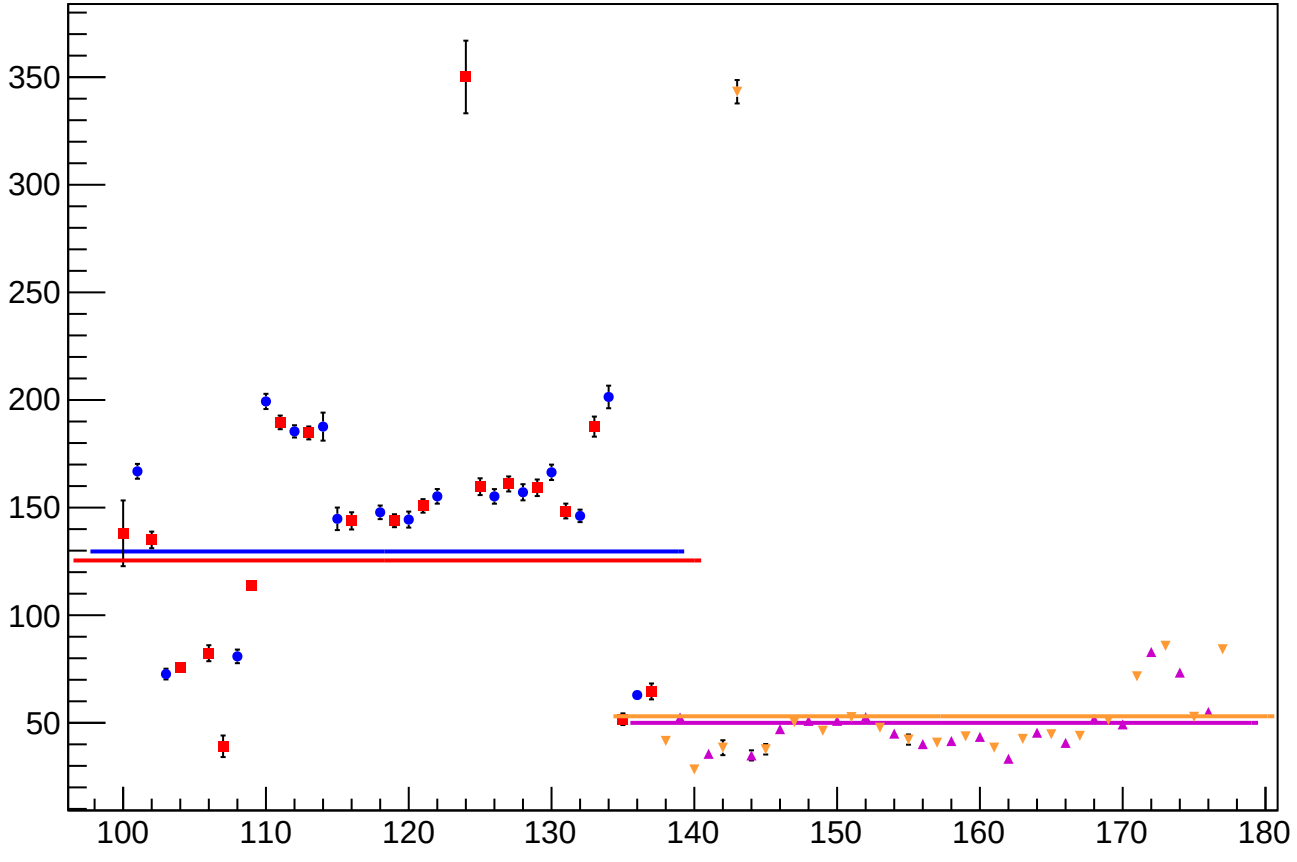
Left In: -2.730+/-0.345 χ^2/NDF:249.4/18

+ sign -3.437+/-0.304 χ^2/NDF: 643.4/36

All: -3.310+/-0.218 χ^2/NDF: 1099.8/74

- sign -3.176+/-0.312 χ^2/NDF: 456.1/37

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 53.041+/-0.454 χ^2/NDF:3978.7/20

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

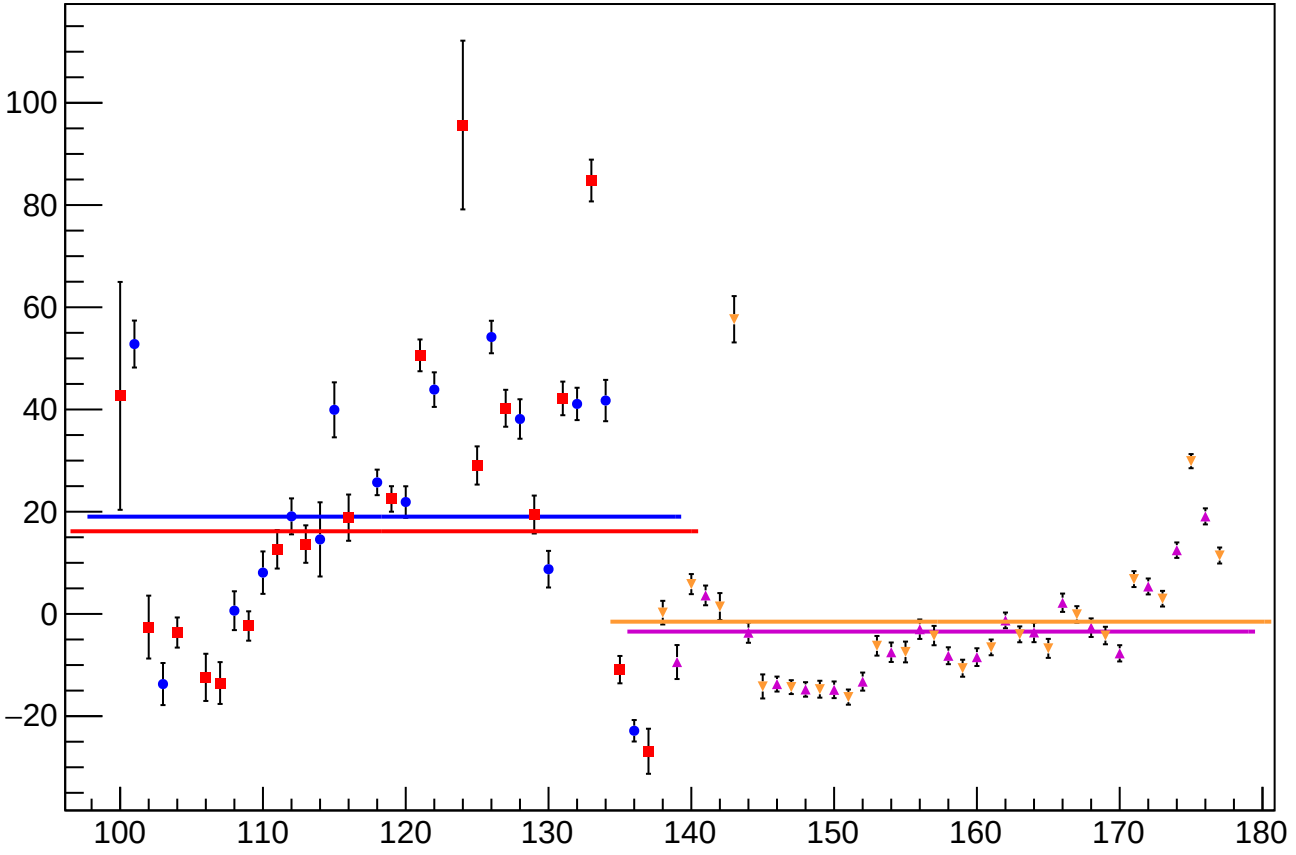
Left In: 49.985+/-0.465 χ^2/NDF:722.1/18

+ sign 71.671+/-0.395 χ^2/NDF: 14526.4/36

All: 70.553+/-0.281 χ^2/NDF: 25545.3/74

- sign 69.402+/-0.401 χ^2/NDF: 11002.6/37

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -1.514+/-0.379 χ^2/NDF:1158.7/20

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

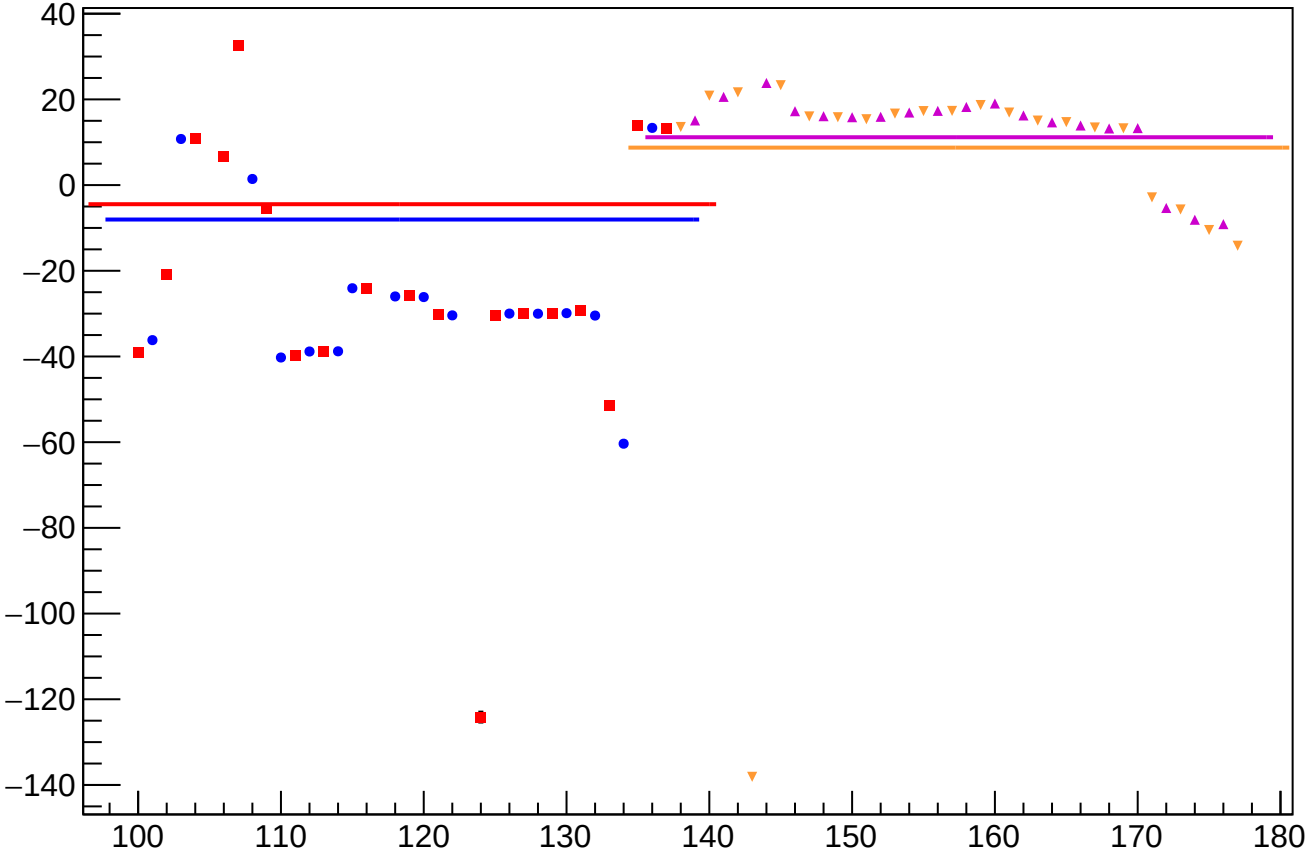
Left In: -3.454+/-0.393 χ^2/NDF:598.1/18

+ sign 1.829+/-0.347 χ^2/NDF: 2495.0/36

All: 0.952+/-0.249 χ^2/NDF: 4490.3/74

- sign 0.027+/-0.356 χ^2/NDF: 1982.2/37

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 8.744+/-0.017 χ^2/NDF:874819.7/20

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

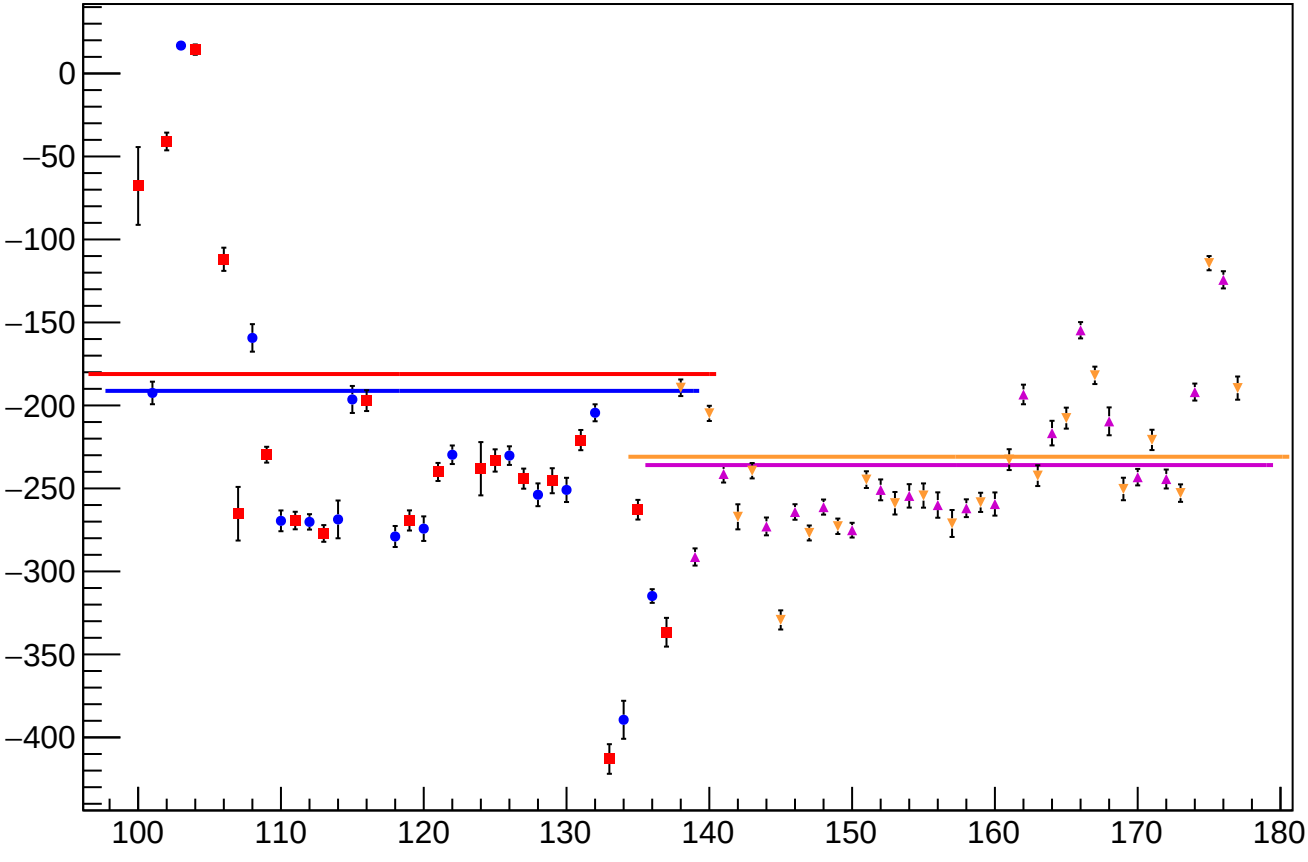
Left In: 11.166+/-0.017 χ^2/NDF:344382.1/18

+ sign 6.701+/-0.016 χ^2/NDF: 1260471.7/36

All: 7.989+/-0.011 χ^2/NDF: 1944608.4/74

- sign 9.304+/-0.016 χ^2/NDF: 671018.6/37

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -230.910+/-1.218 χ^2/NDF:1593.9/20

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

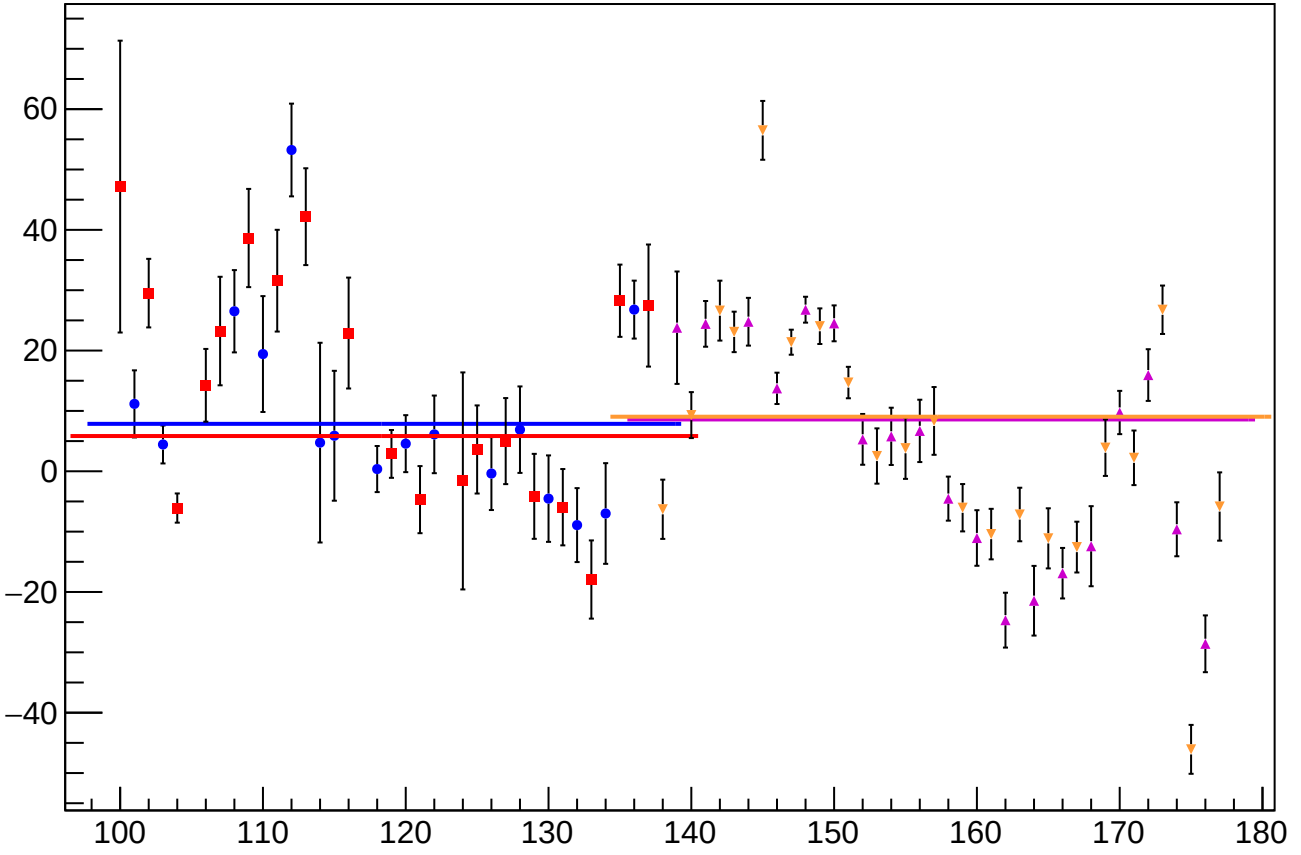
Left In: -235.934+/-1.269 χ^2/NDF:1249.8/18

\+ sign -214.066+/-0.924 χ^2/NDF: 9269.1/36

All: -212.476+/-0.657 χ^2/NDF: 18753.1/74

\- sign -210.849+/-0.935 χ^2/NDF: 9478.1/37

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 9.040+/-0.841 χ^2/NDF:511.2/20

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

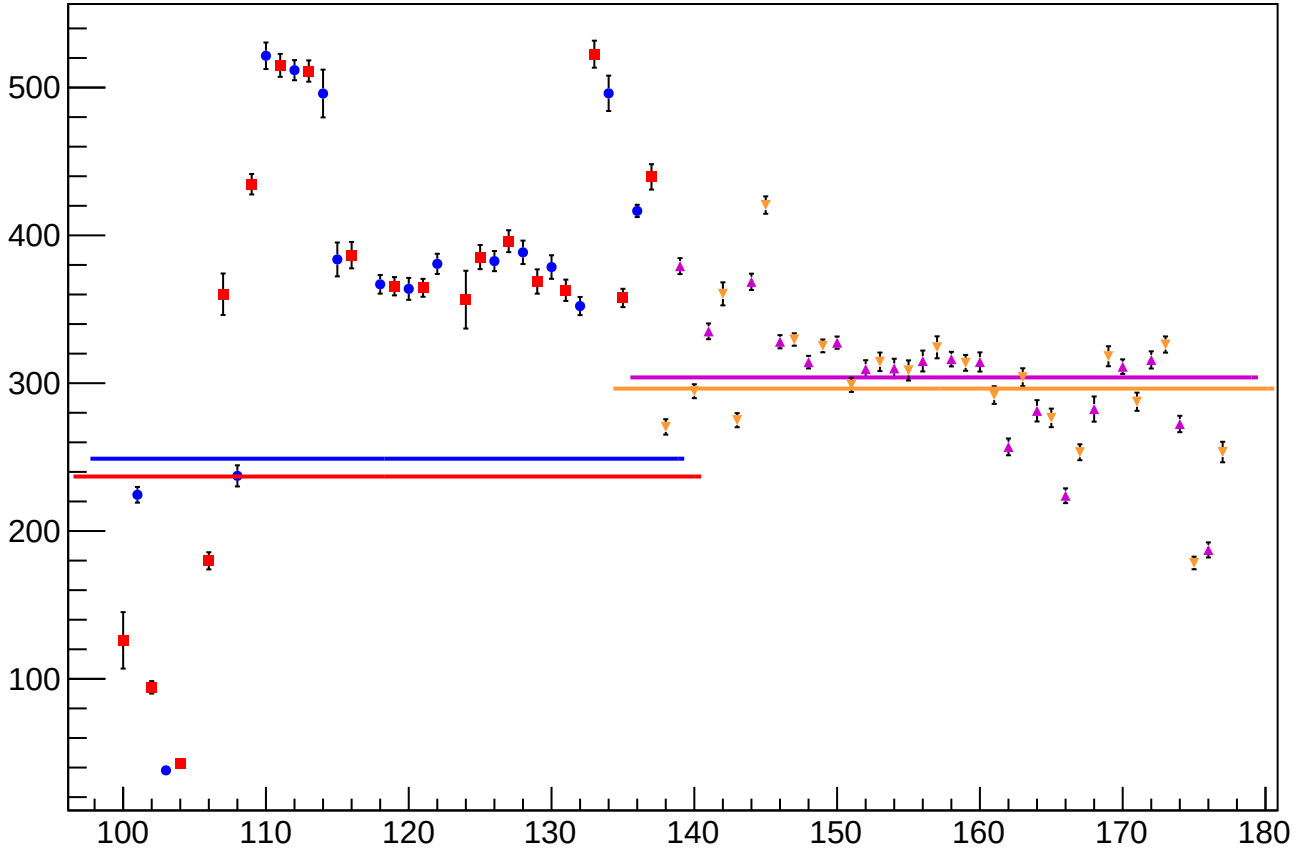
Left In: 8.587+/-0.887 χ^2/NDF:383.3/18

\+ sign 8.739+/-0.726 χ^2/NDF: 592.6/36

All: 8.262+/-0.519 χ^2/NDF: 1121.6/74

\- sign 7.762+/-0.742 χ^2/NDF: 528.1/37

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 296.344+/-1.198 χ^2/NDF:1620.6/20

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

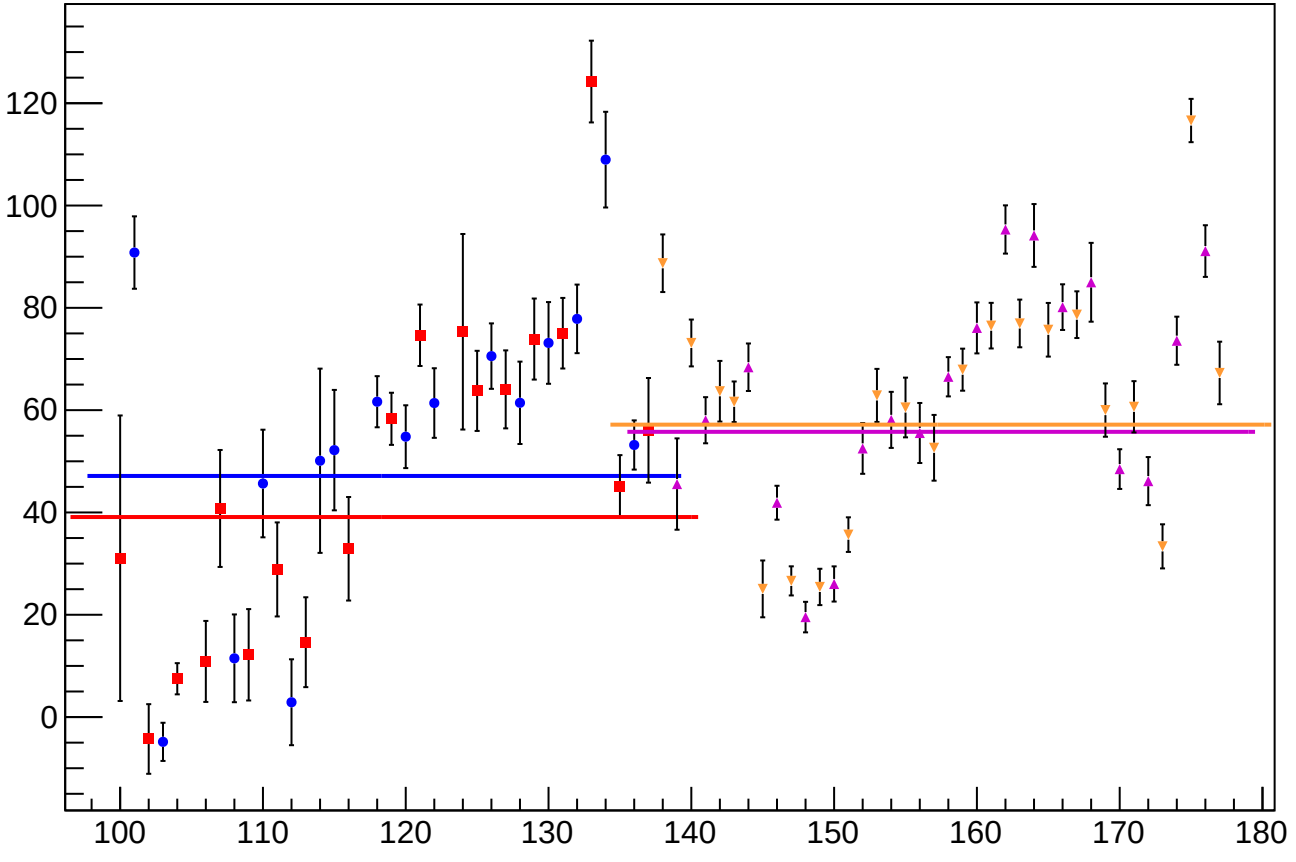
Left In: 303.909+/-1.244 χ^2/NDF:1345.4/18

+ sign 276.664+/-0.916 χ^2/NDF: 17573.3/36

All: 275.598+/-0.653 χ^2/NDF: 35853.5/74

- sign 274.496+/-0.932 χ^2/NDF: 18277.4/37

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 57.166+/-0.982 χ^2/NDF:626.6/20

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

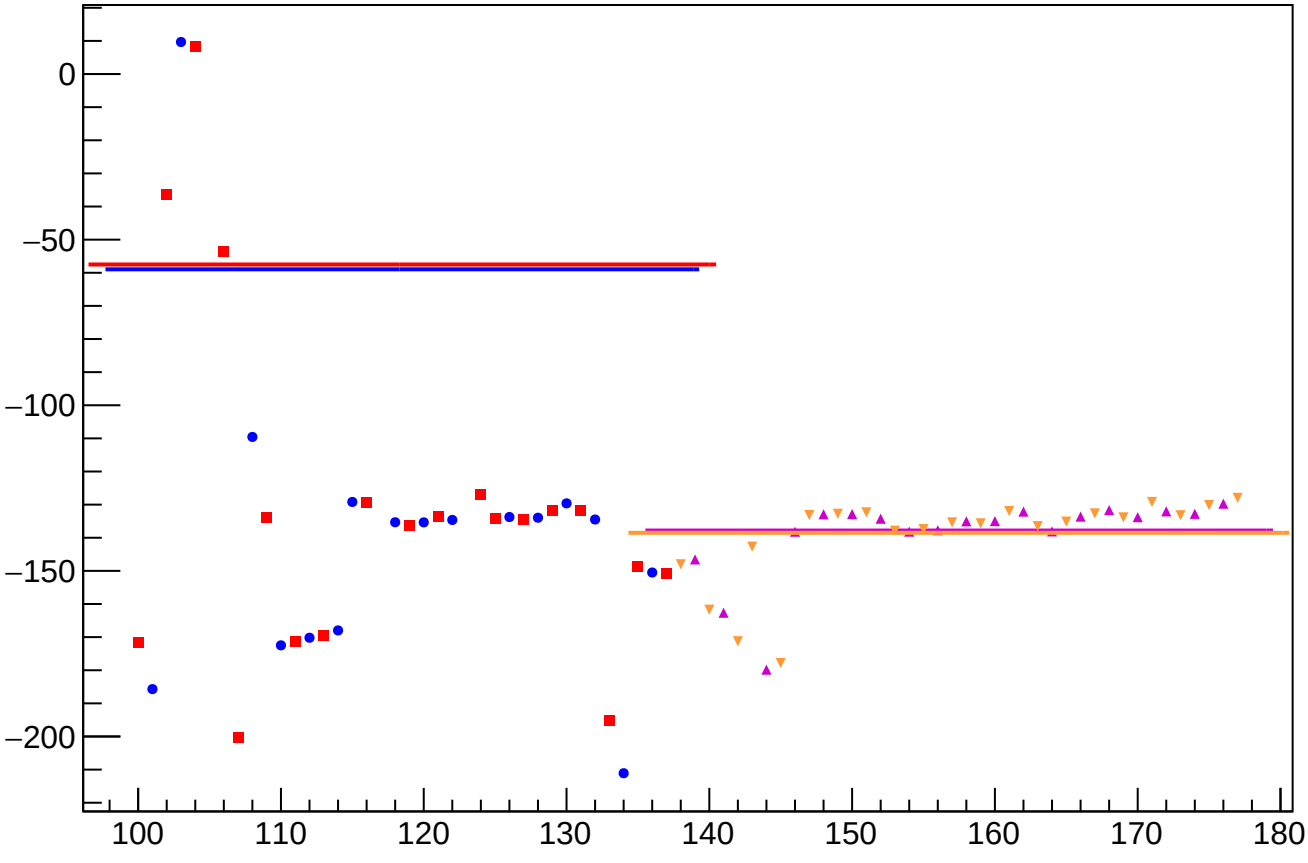
Left In: 55.762+/-1.031 χ^2/NDF:498.2/18

+ sign 54.584+/-0.846 χ^2/NDF: 1038.8/36

All: 52.765+/-0.605 χ^2/NDF: 2039.8/74

- sign 50.860+/-0.866 χ^2/NDF: 991.5/37

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.505+/-0.046 χ^2/NDF:65726.5/20

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

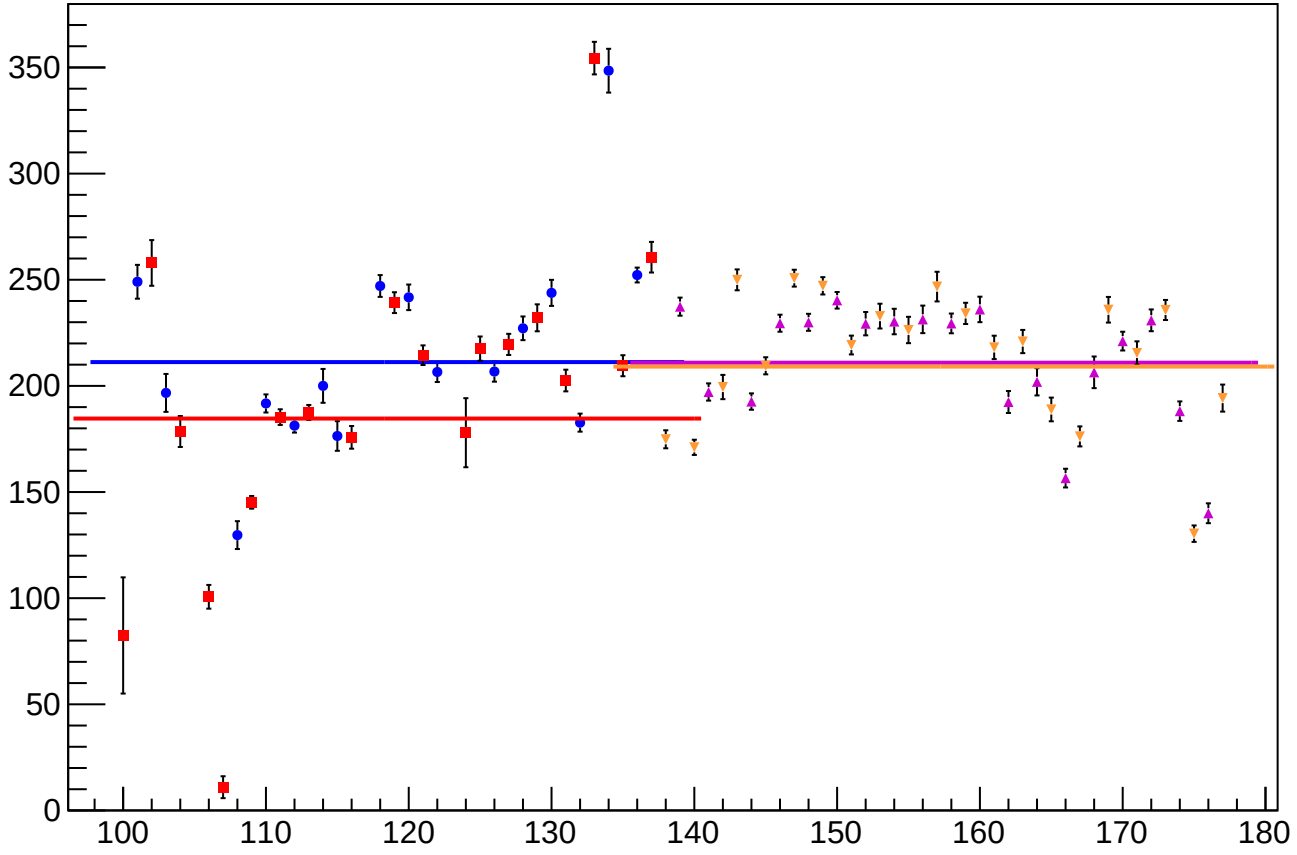
Left In: -137.823+/-0.047 χ^2/NDF:51184.1/18

+ sign -115.567+/-0.039 χ^2/NDF: 2147055.2/36

All: -115.211+/-0.028 χ^2/NDF: 3904980.9/74

- sign -114.842+/-0.040 χ^2/NDF: 1757755.7/37

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 209.095+/-1.056 χ^2/NDF:1069.9/20

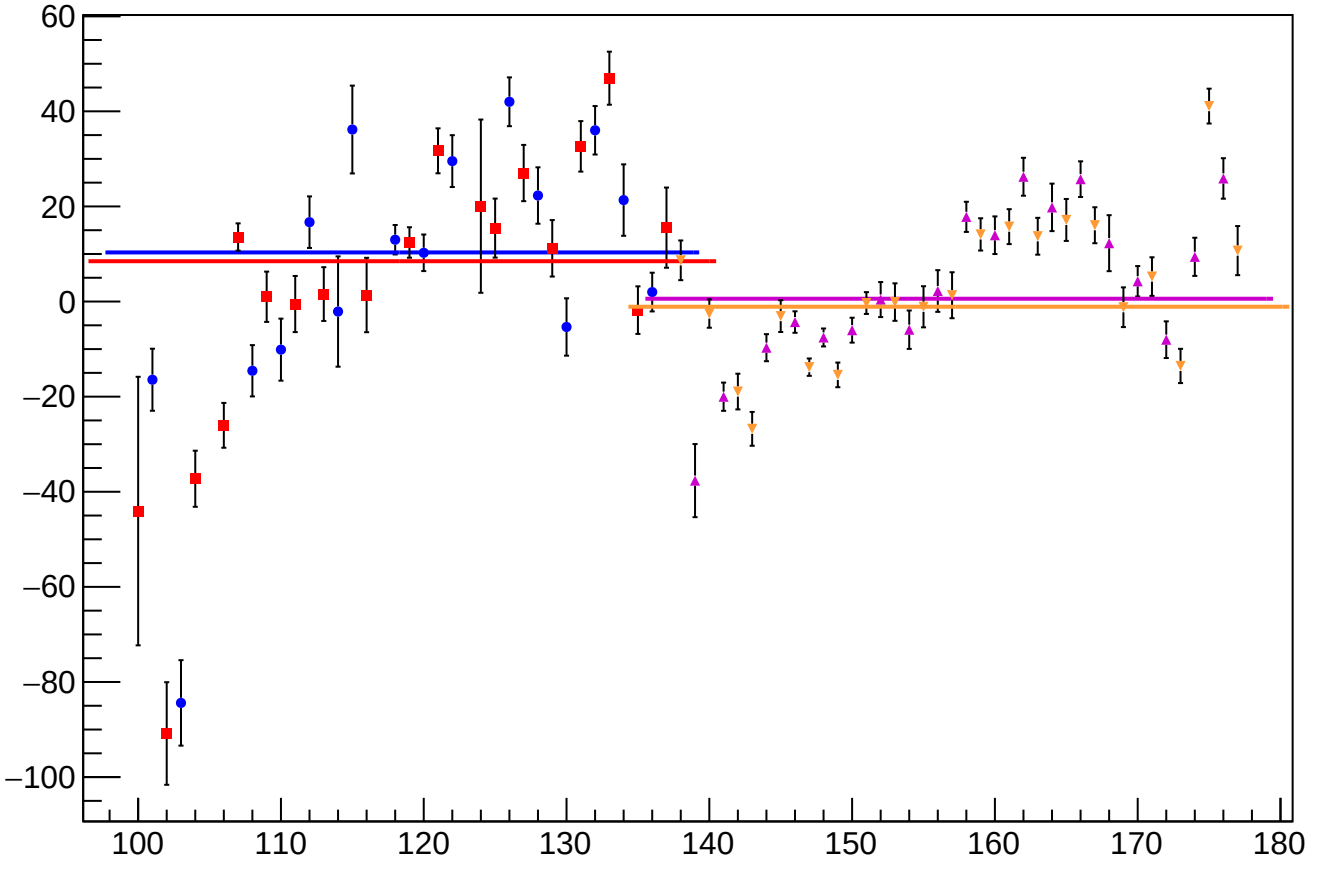
Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 210.931+/-1.088 χ^2/NDF:679.9/18

+ sign 209.939+/-0.819 χ^2/NDF: 1854.5/36

All: 204.368+/-0.574 χ^2/NDF: 5431.3/74

- sign 198.993+/-0.804 χ^2/NDF: 3485.8/37



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -1.092+/-0.732 χ^2/NDF:405.7/20

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

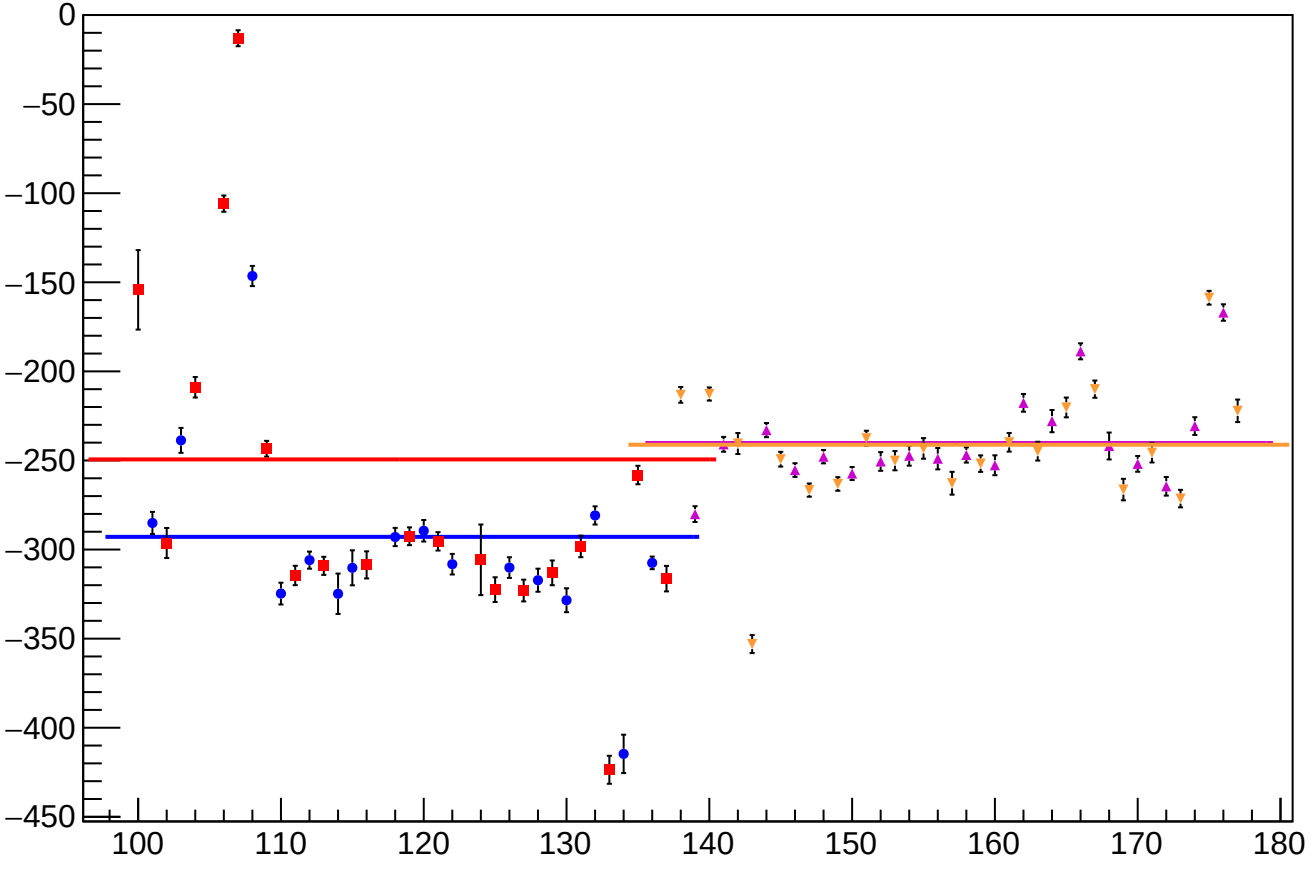
Left In: 0.589+/-0.764 χ^2/NDF:310.8/18

+ sign 1.557+/-0.642 χ^2/NDF: 725.3/36

All: 2.172+/-0.456 χ^2/NDF: 1390.2/74

- sign 2.800+/-0.648 χ^2/NDF: 663.0/37

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -241.176+/-1.039 χ^2/NDF:1270.0/20

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

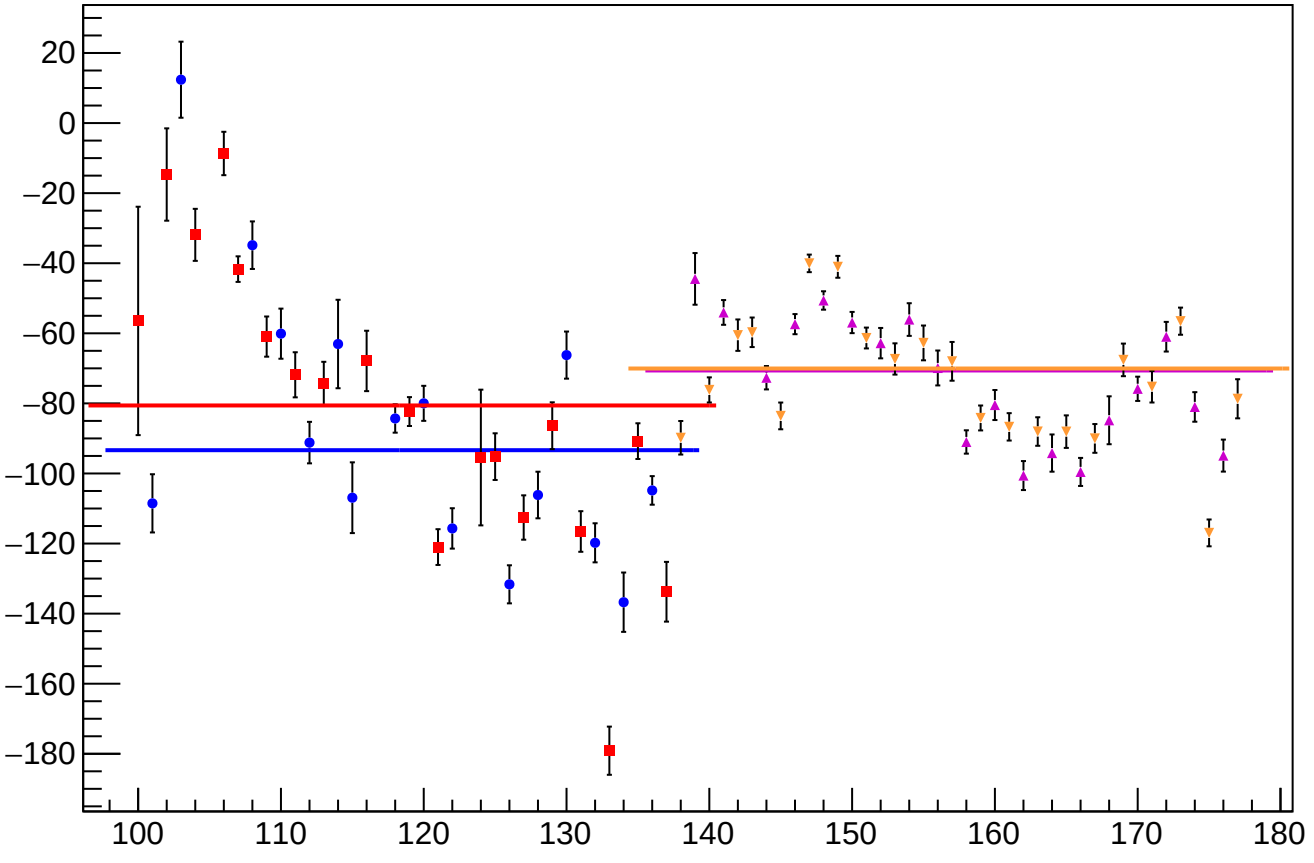
Left In: -240.224+/-1.068 χ^2/NDF:580.1/18

+ sign -258.443+/-0.848 χ^2/NDF: 3079.9/36

All: -251.016+/-0.597 χ^2/NDF: 9208.7/74

- sign -243.699+/-0.842 χ^2/NDF: 5976.5/37

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -70.048+/-0.855 χ^2/NDF:542.7/20

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

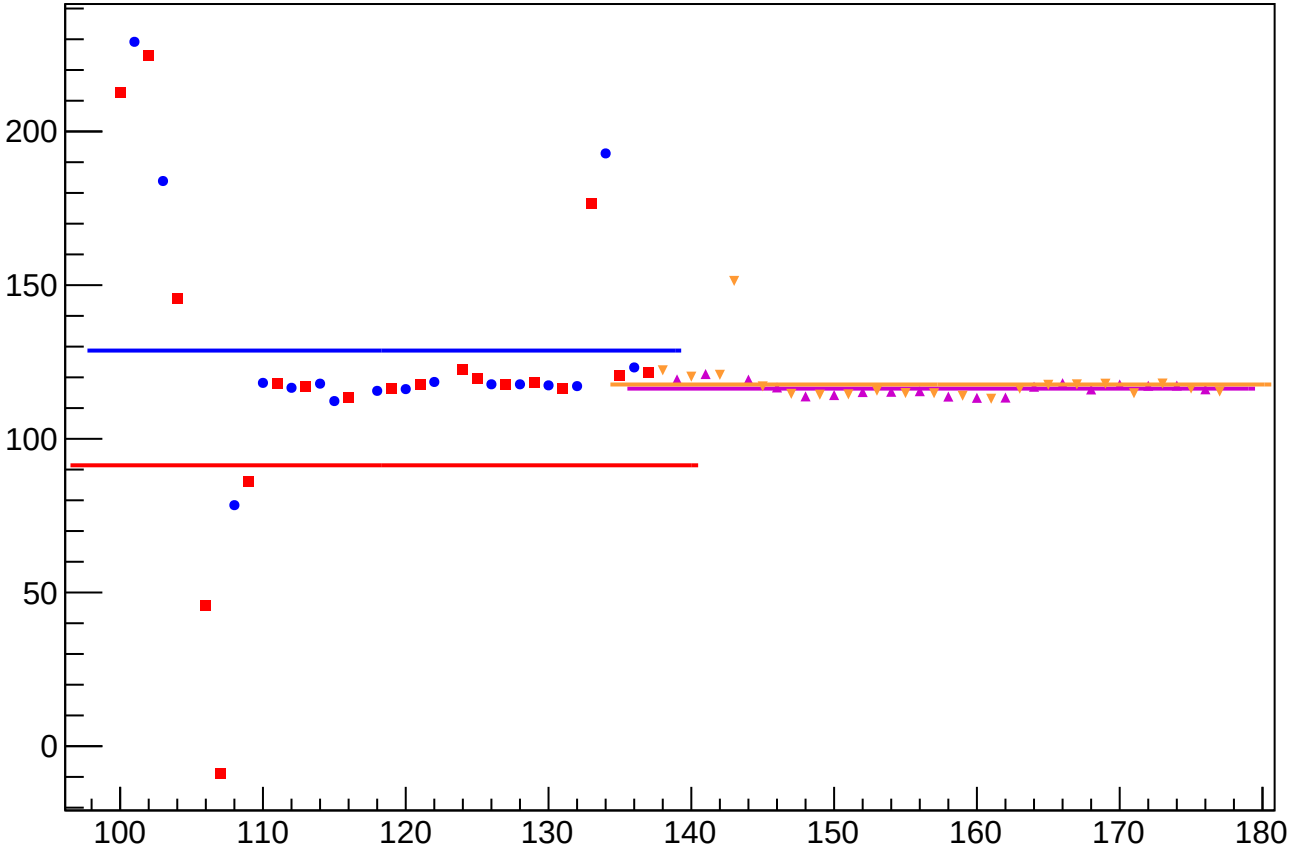
Left In: -70.604+/-0.888 χ^2/NDF:361.0/18

+ sign -75.571+/-0.747 χ^2/NDF: 1074.1/36

All: -74.495+/-0.530 χ^2/NDF: 2190.1/74

- sign -73.400+/-0.753 χ^2/NDF: 1111.8/37

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.675+/-0.040 χ^2/NDF:29844.9/20

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

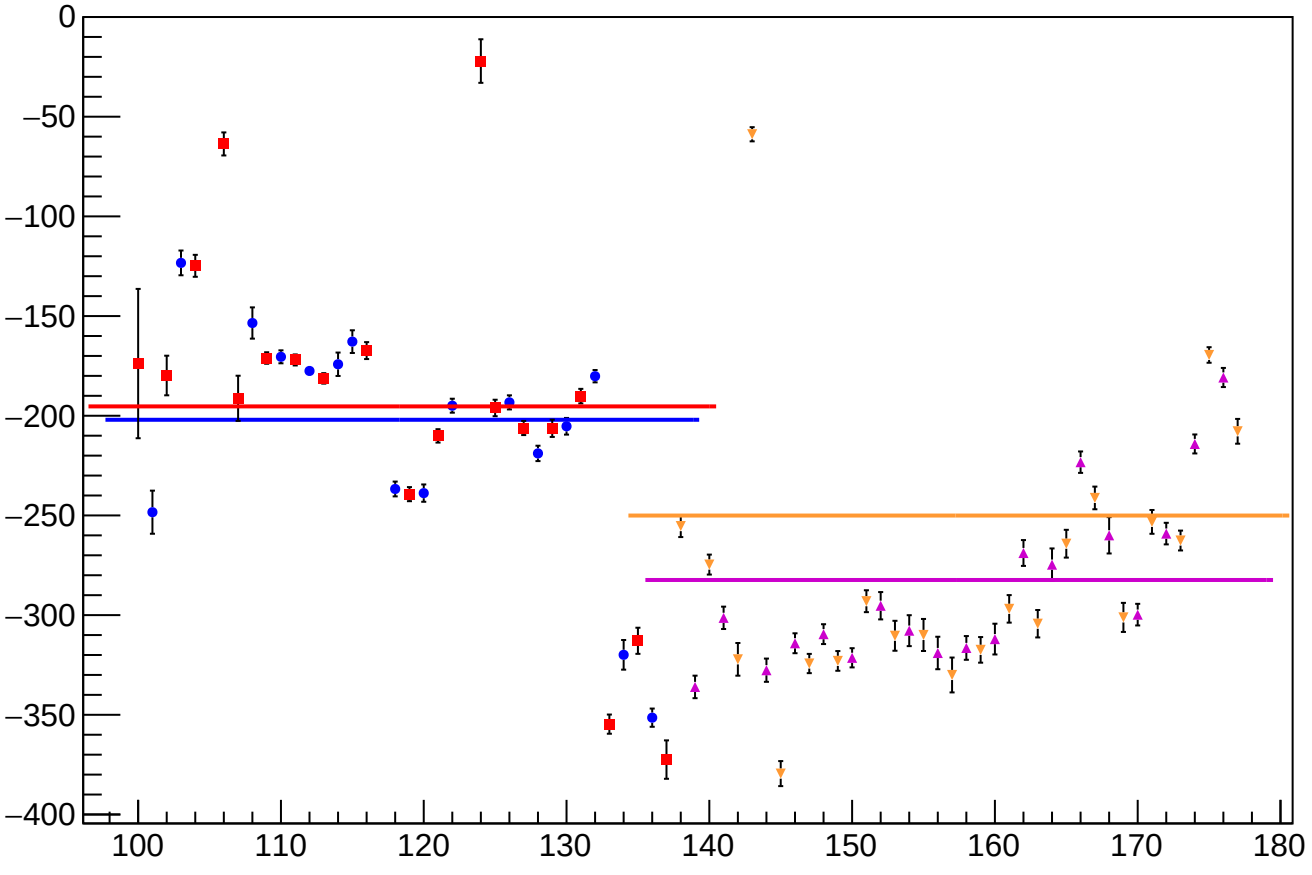
Left In: 116.335+/-0.040 χ^2/NDF:2990.0/18

+ sign 119.536+/-0.037 χ^2/NDF: 226121.2/36

All: 115.279+/-0.026 χ^2/NDF: 939577.8/74

- sign 111.150+/-0.036 χ^2/NDF: 686798.3/37

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -250.054+/-1.239 χ^2/NDF:4887.6/20

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

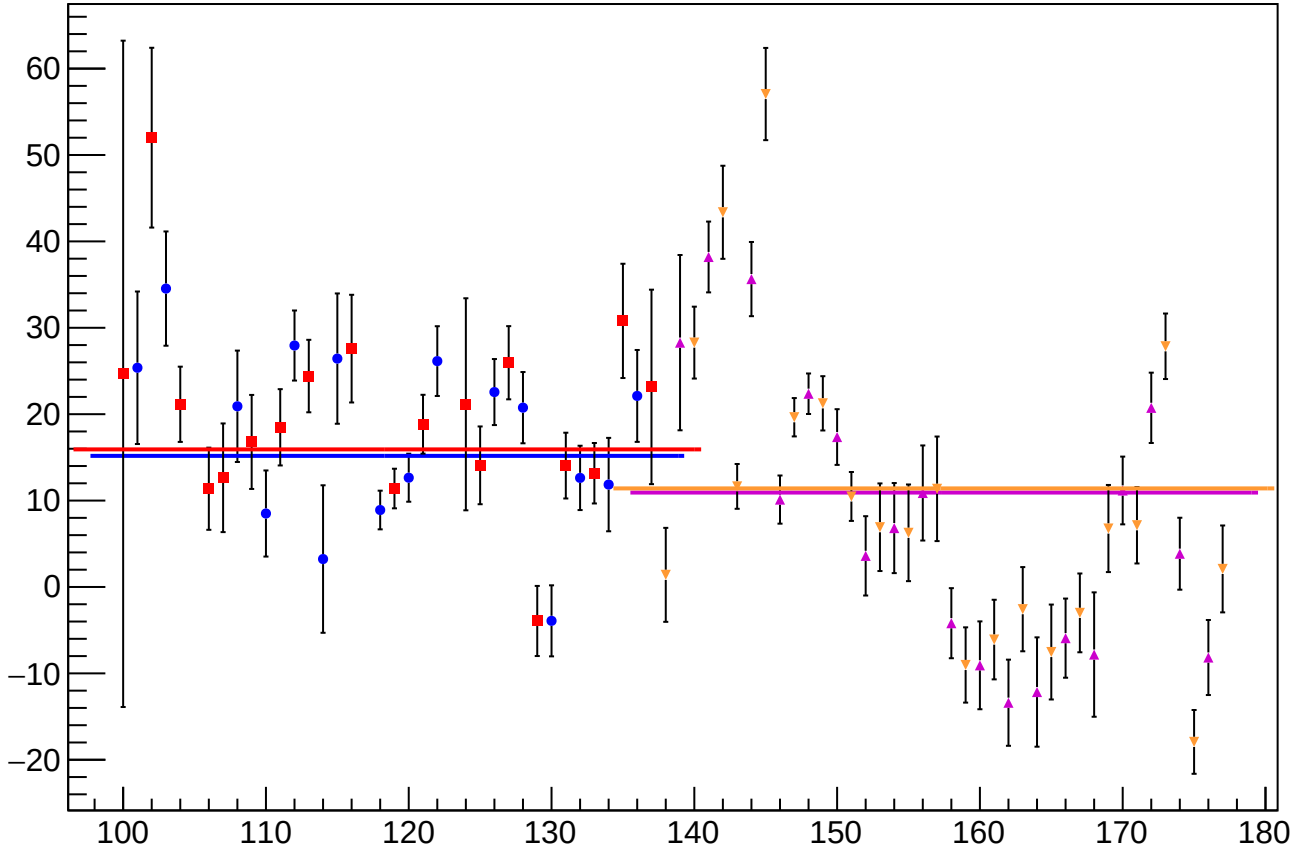
Left In: -282.376+/-1.342 χ^2/NDF:1194.3/18

+ sign -221.525+/-0.789 χ^2/NDF: 7821.3/36

All: -223.446+/-0.558 χ^2/NDF: 14885.5/74

- sign -225.362+/-0.788 χ^2/NDF: 7052.4/37

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 11.410+/-0.866 χ^2/NDF:307.2/20

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

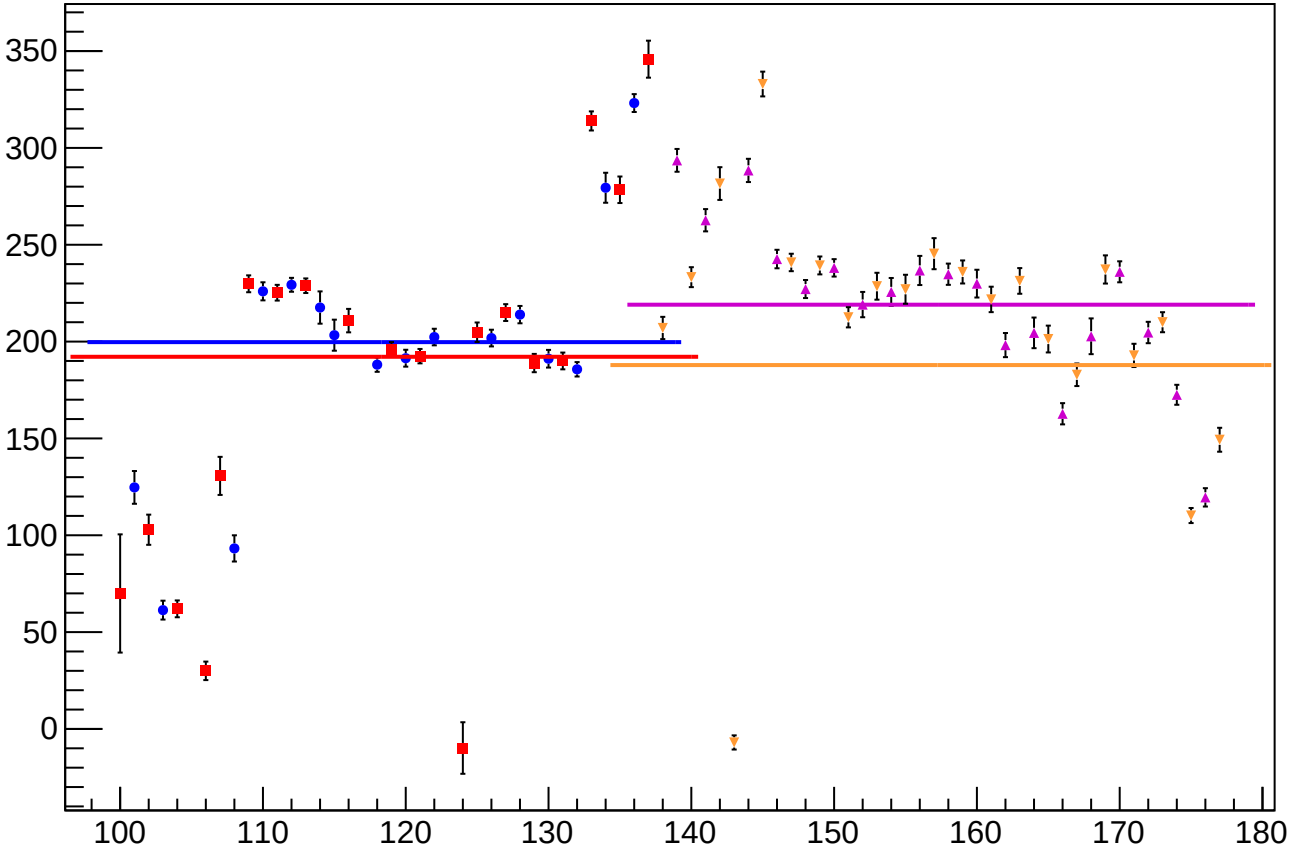
Left In: 10.928+/-0.947 χ^2/NDF:226.1/18

+ sign 12.938+/-0.668 χ^2/NDF: 387.2/36

All: 13.063+/-0.483 χ^2/NDF: 689.7/74

- sign 13.201+/-0.699 χ^2/NDF: 302.4/37

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 187.876+/-1.223 χ^2/NDF:4600.6/20

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

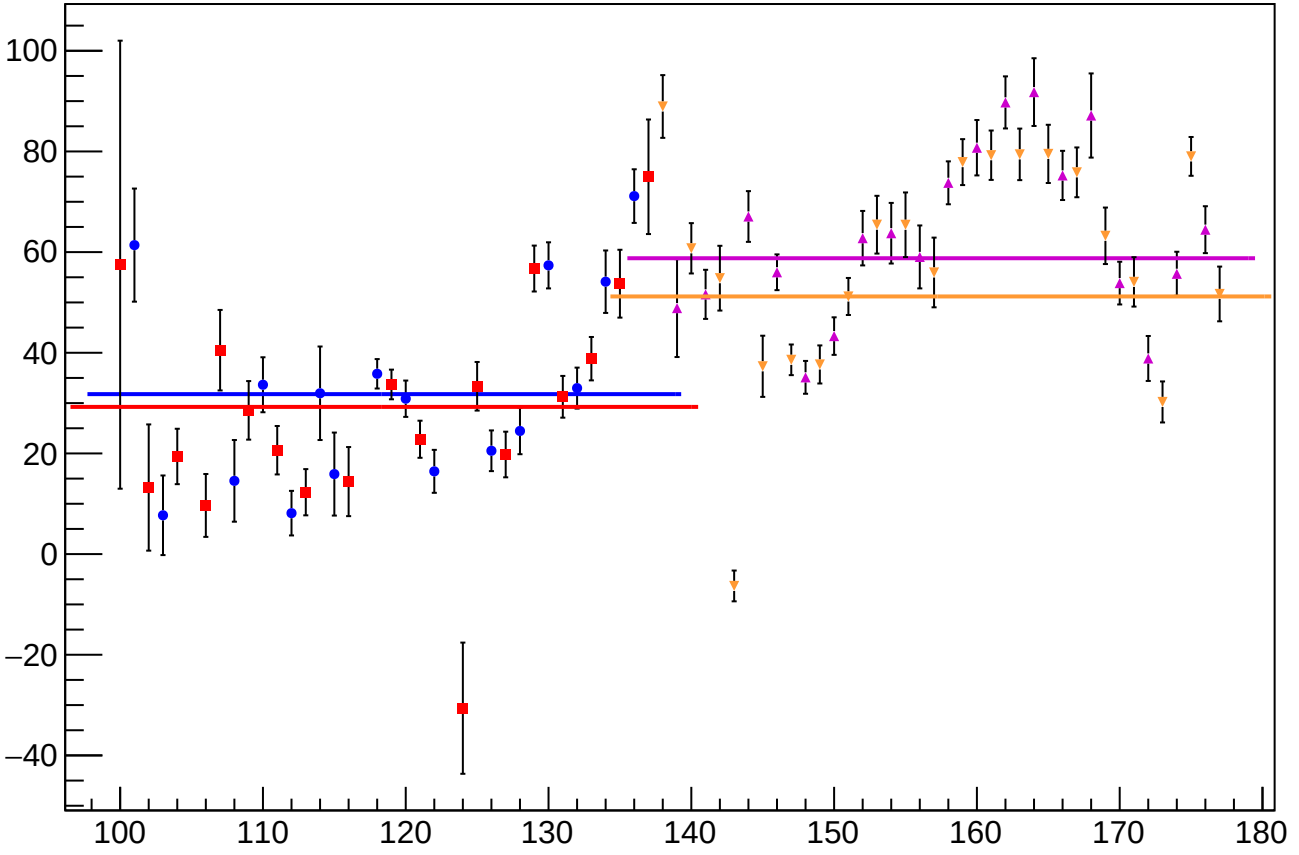
Left In: 219.047+/-1.319 χ^2/NDF:1075.4/18

+ sign 193.930+/-0.855 χ^2/NDF: 6750.2/36

All: 198.785+/-0.609 χ^2/NDF: 11904.3/74

- sign 203.778+/-0.867 χ^2/NDF: 5088.6/37

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 51.190+/-1.008 χ^2/NDF:670.6/20

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

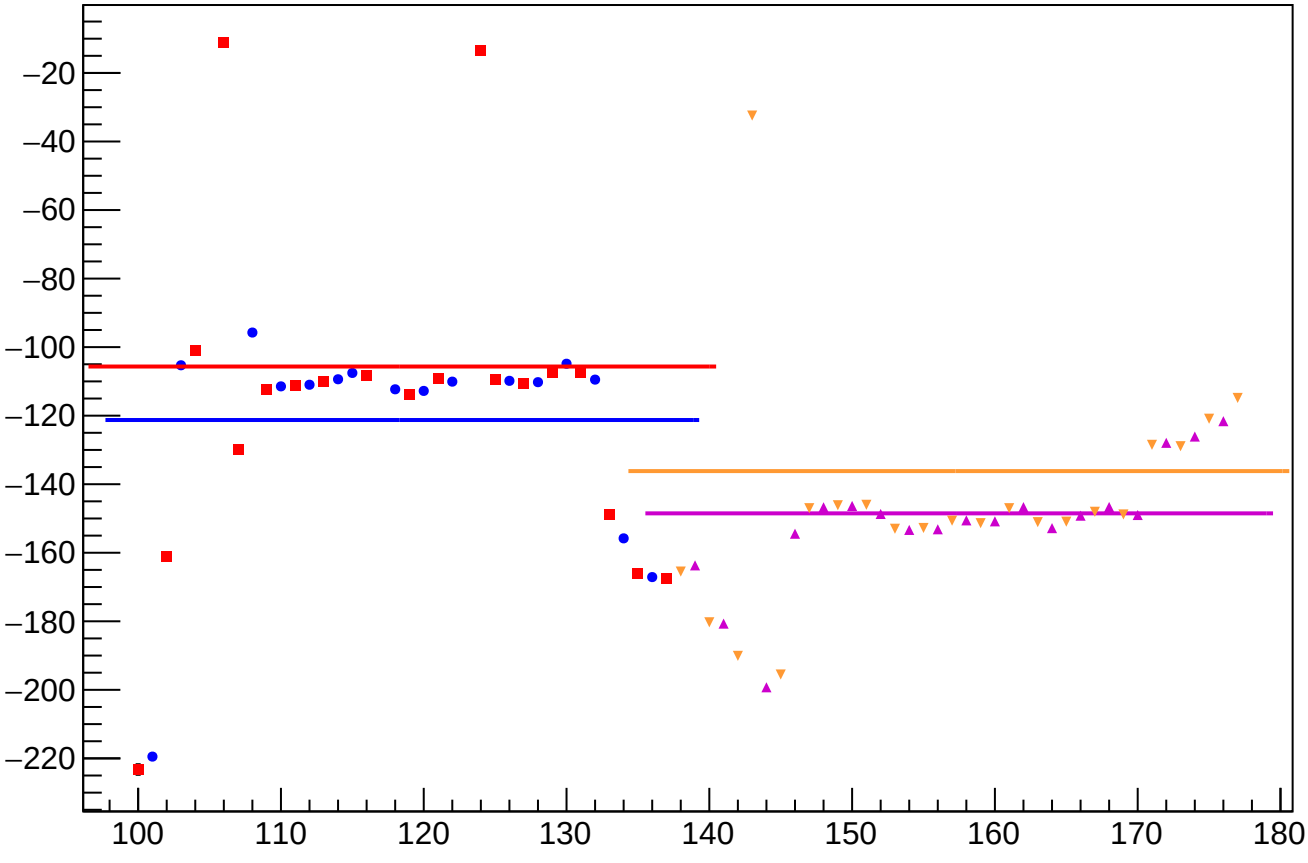
Left In: 58.783+/-1.096 χ^2/NDF:211.7/18

+ sign 43.289+/-0.776 χ^2/NDF: 998.5/36

All: 44.254+/-0.560 χ^2/NDF: 1685.6/74

- sign 45.301+/-0.808 χ^2/NDF: 683.9/37

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -136.173+/-0.047 χ^2/NDF:657689.3/20

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

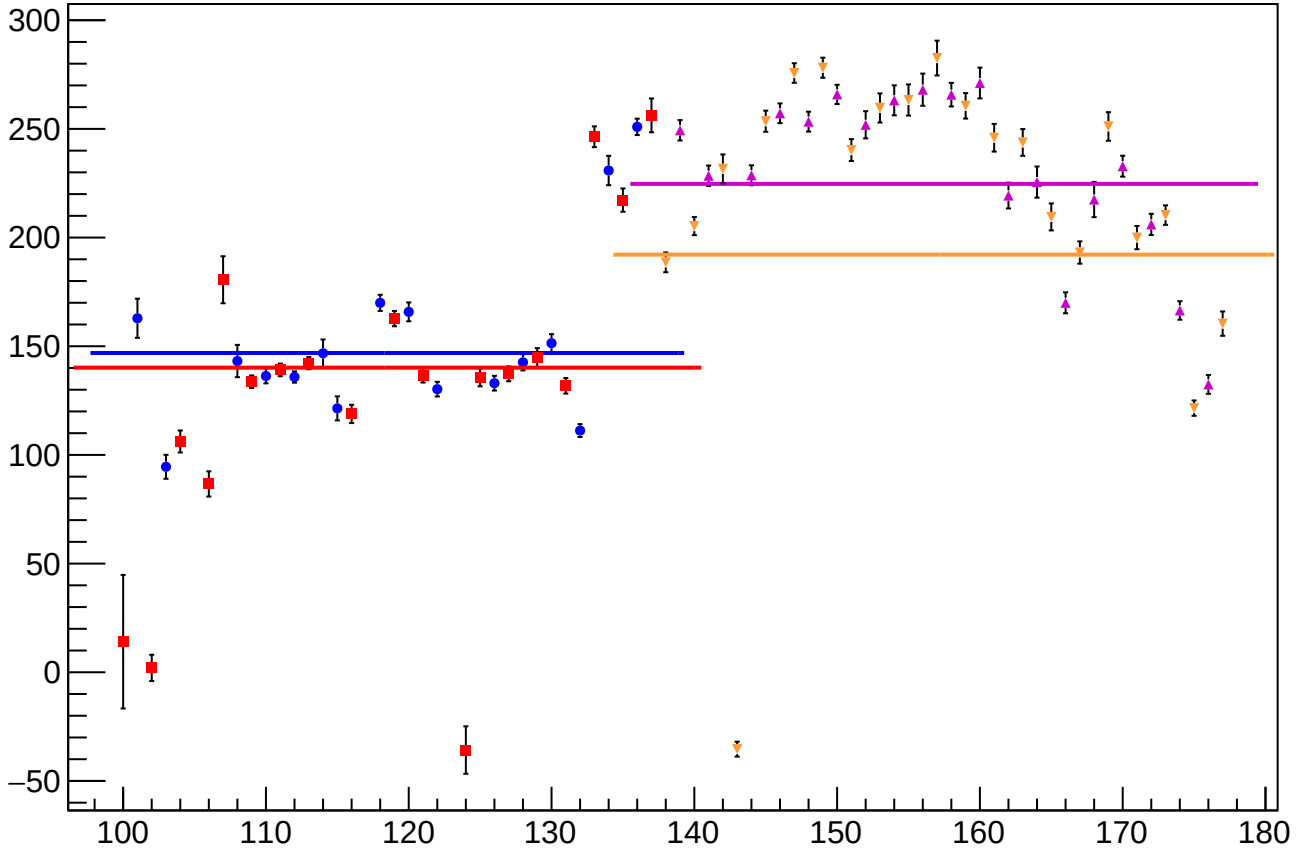
Left In: -148.505+/-0.050 χ^2/NDF:106827.5/18

+ sign -132.240+/-0.041 χ^2/NDF: 803144.2/36

All: -133.748+/-0.029 χ^2/NDF: 1495512.7/74

- sign -135.312+/-0.041 χ^2/NDF: 689571.7/37

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 192.144+/-1.109 χ^2/NDF:6561.3/20

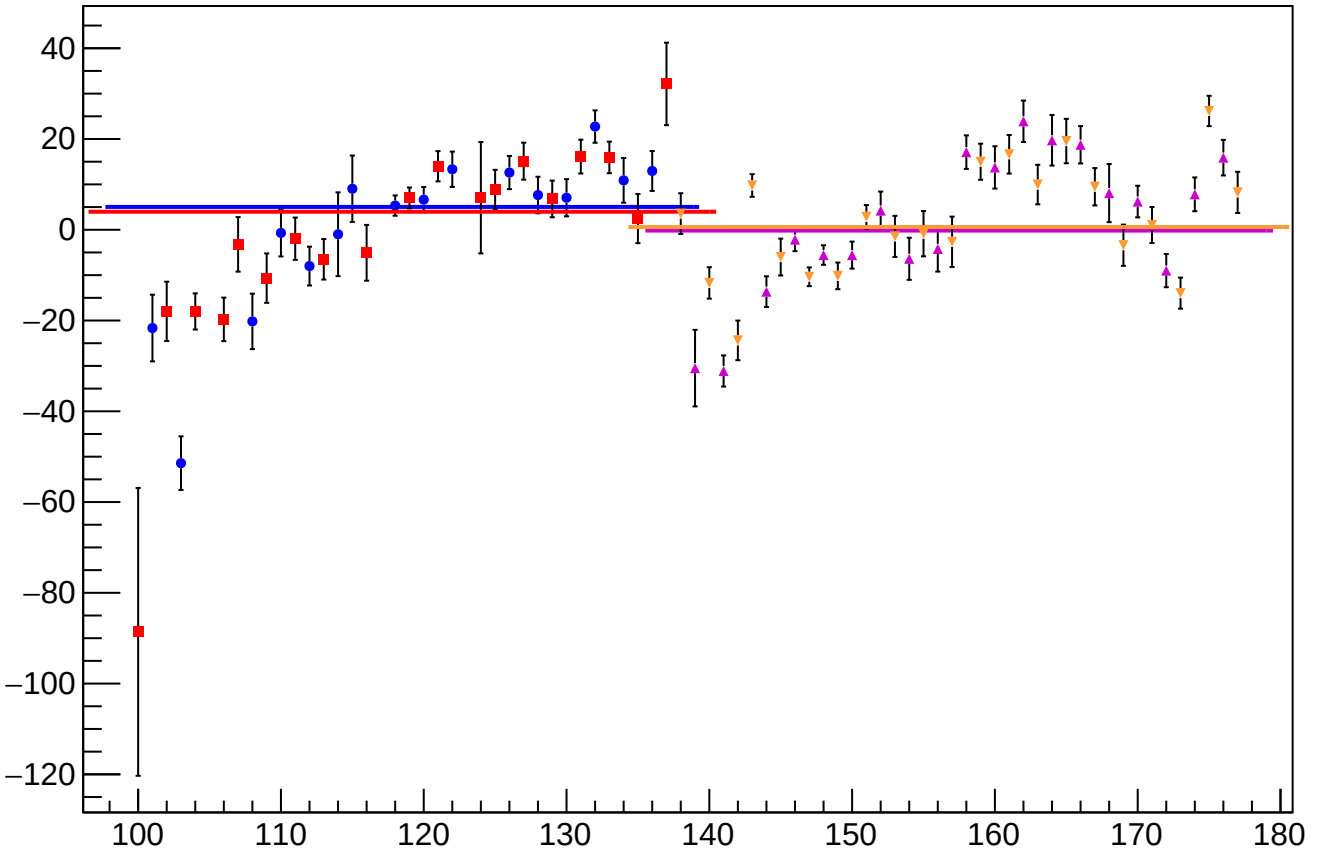
Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 224.700+/-1.192 χ^2/NDF:1176.4/18

+ sign 167.269+/-0.744 χ^2/NDF: 8778.5/36

All: 170.326+/-0.527 χ^2/NDF: 14990.4/74

- sign 173.413+/-0.748 χ^2/NDF: 6178.0/37



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 0.598+/-0.782 χ^2/NDF:236.9/20

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

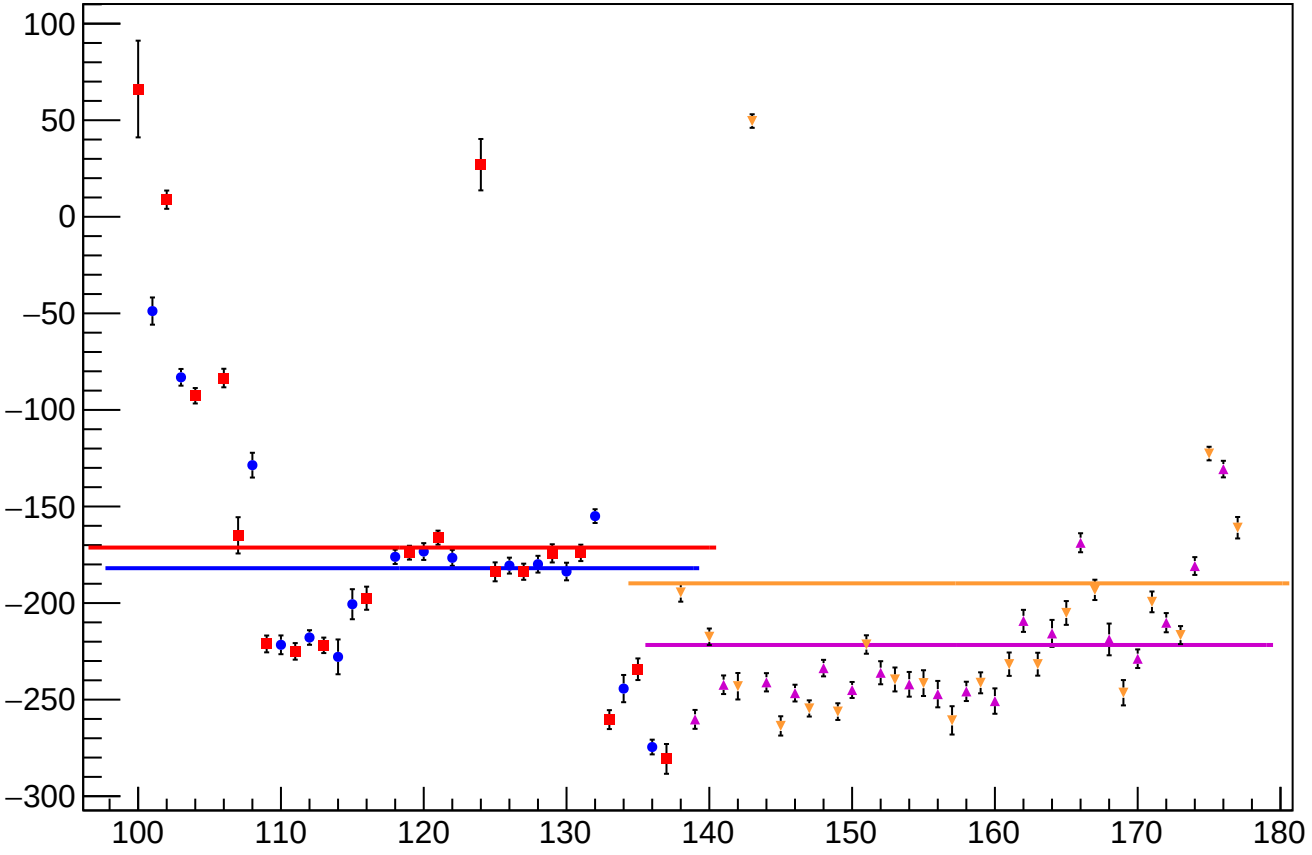
Left In: -0.176+/-0.849 χ^2/NDF:248.3/18

+ sign 2.240+/-0.621 χ^2/NDF: 420.7/36

All: 1.905+/-0.449 χ^2/NDF: 824.3/74

- sign 1.538+/-0.650 χ^2/NDF: 403.0/37

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -189.792+/-1.097 χ^2/NDF:6388.1/20

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

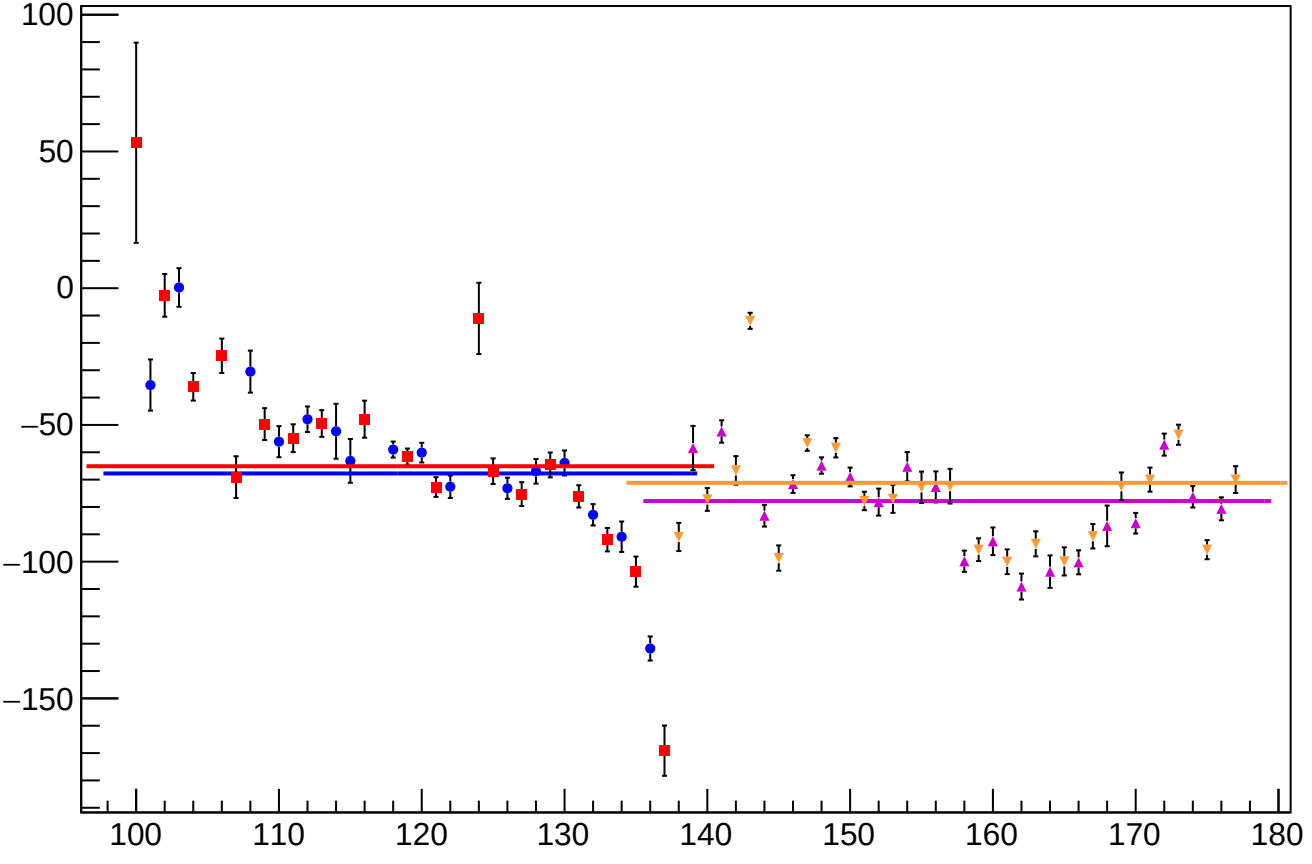
Left In: -221.701+/-1.174 χ^2/NDF:900.8/18

+ sign -186.069+/-0.795 χ^2/NDF: 8282.8/36

All: -190.508+/-0.566 χ^2/NDF: 13848.5/74

- sign -195.084+/-0.807 χ^2/NDF: 5502.3/37

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -71.173+/-0.909 χ^2/NDF:725.4/20

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

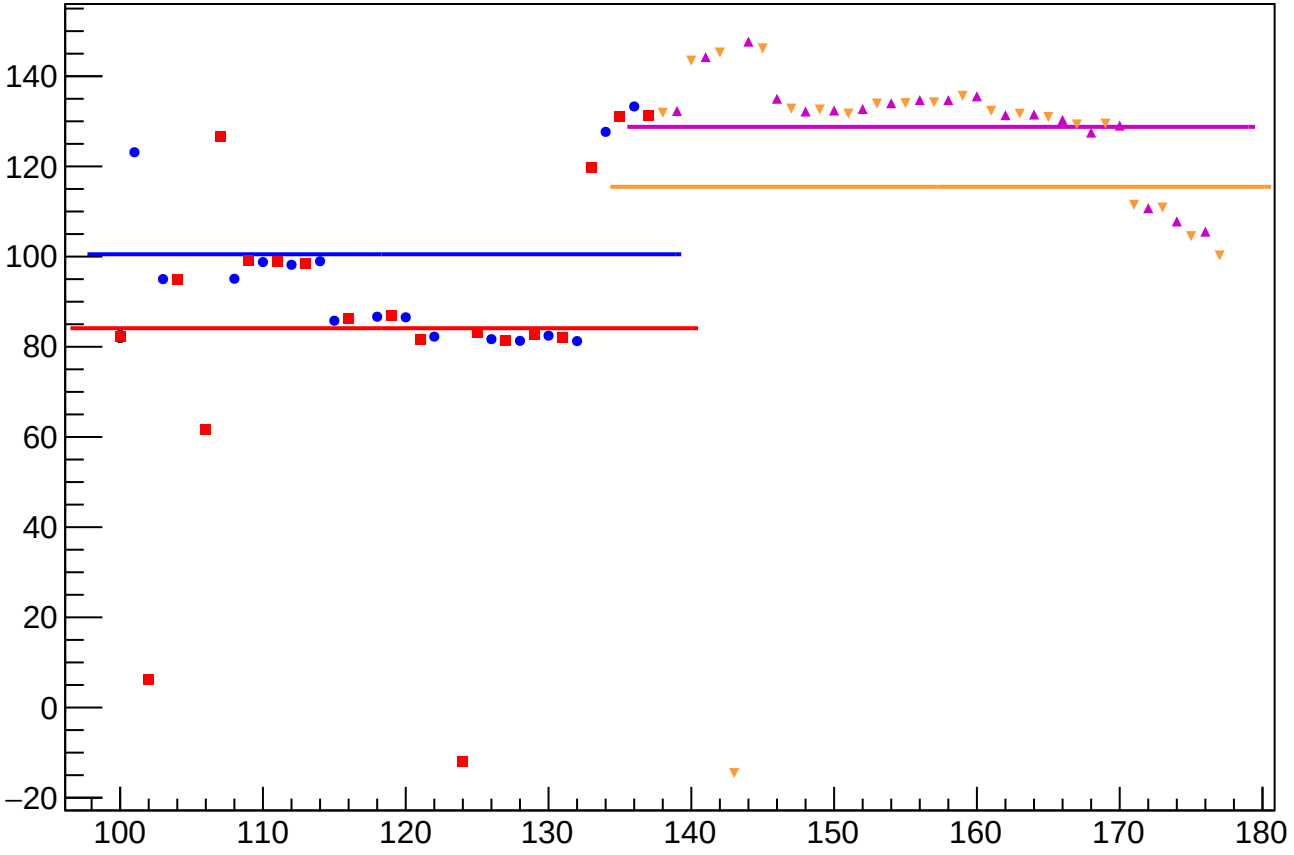
Left In: -77.834+/-0.981 χ^2/NDF:243.8/18

+ sign -69.898+/-0.720 χ^2/NDF: 1144.7/36

All: -71.173+/-0.520 χ^2/NDF: 1893.8/74

- sign -72.559+/-0.751 χ^2/NDF: 742.5/37

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 115.476+/-0.043 χ^2/NDF:951070.4/20

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

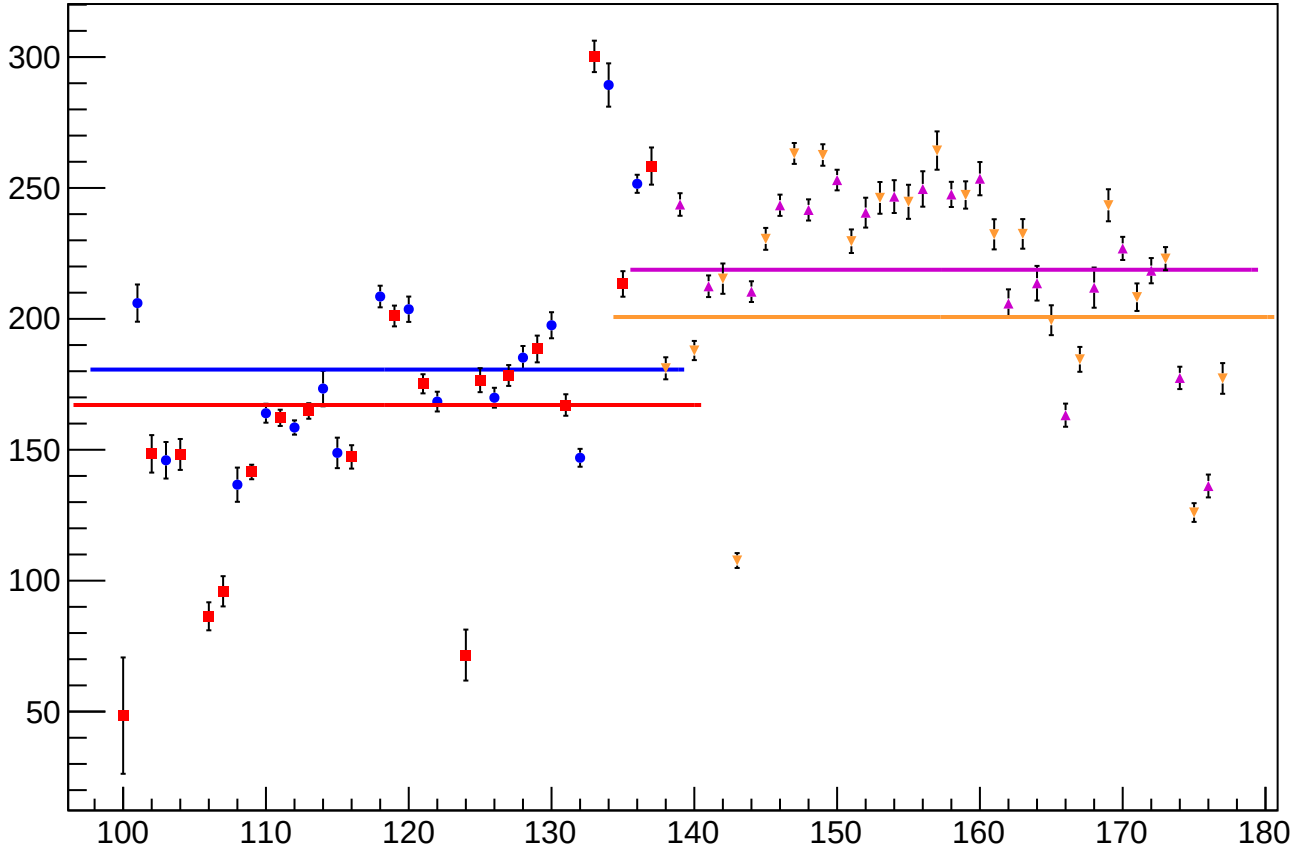
Left In: 128.773+/-0.044 χ^2/NDF:64972.2/18

\+ sign 111.755+/-0.037 χ^2/NDF: 1049265.3/36

All: 113.720+/-0.026 χ^2/NDF: 1678629.0/74

\- sign 115.739+/-0.037 χ^2/NDF: 623611.3/37

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: 200.708+/-1.011 χ^2/NDF:2535.3/20

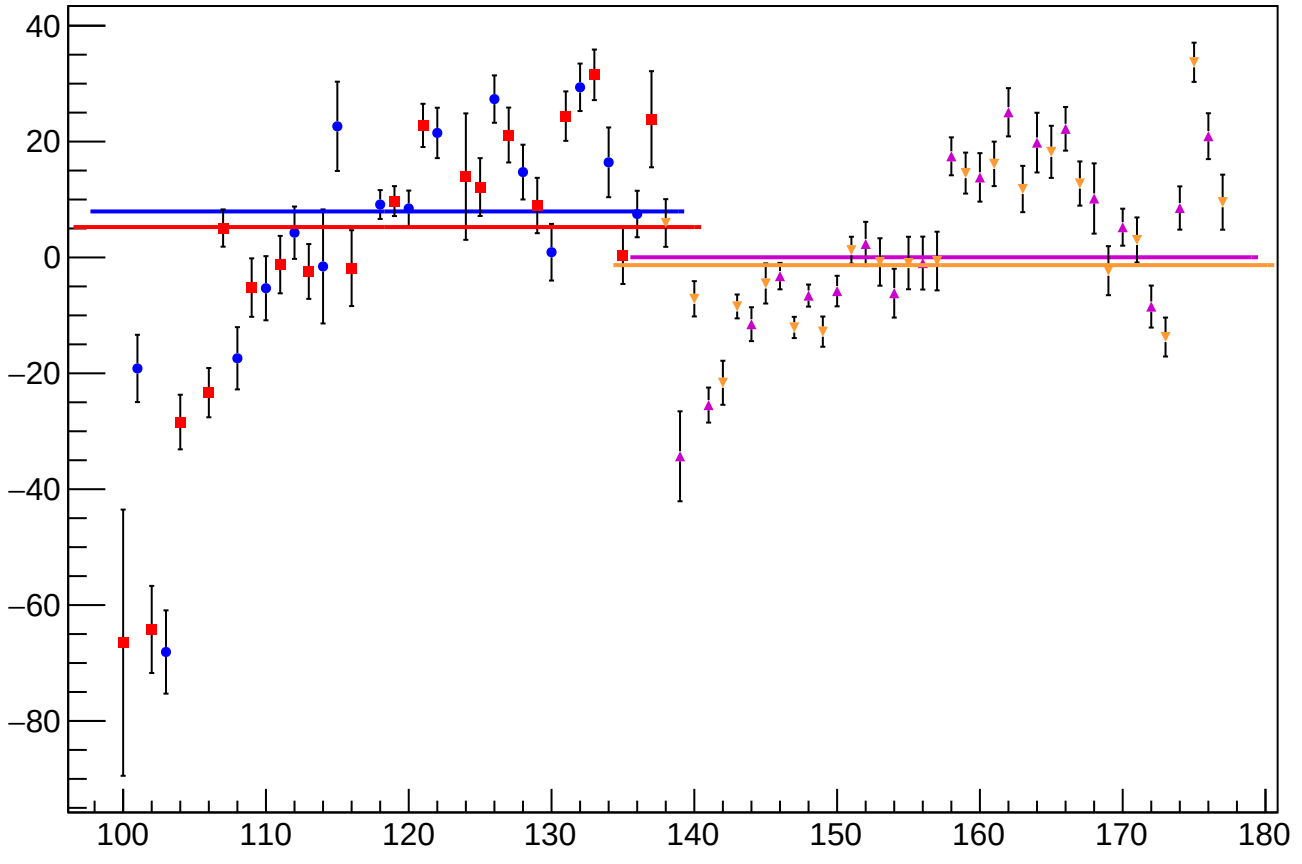
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

+ sign 191.417+/-0.741 χ^2/NDF: 3711.0/36

All: 191.279+/-0.526 χ^2/NDF: 7312.9/74

- sign 191.139+/-0.746 χ^2/NDF: 3601.8/37



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.323+/-0.707 χ^2/NDF:314.8/20

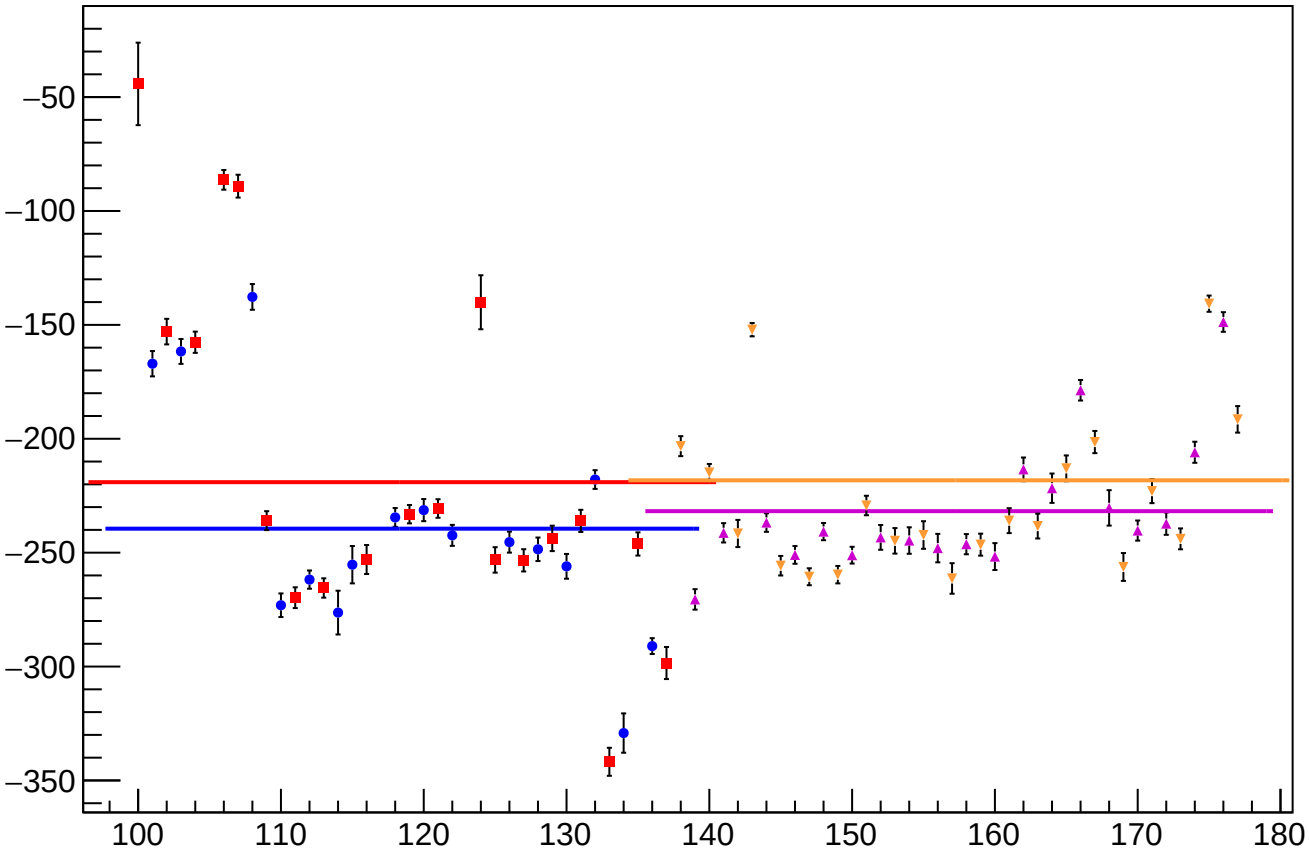
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.032+/-0.771 χ^2/NDF:296.8/18

\+ sign 1.338+/-0.597 χ^2/NDF: 597.1/36

All: 1.573+/-0.431 χ^2/NDF: 1212.9/74

\- sign 1.831+/-0.624 χ^2/NDF: 615.5/37



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -218.238+/-1.000 χ^2/NDF:1584.4/20

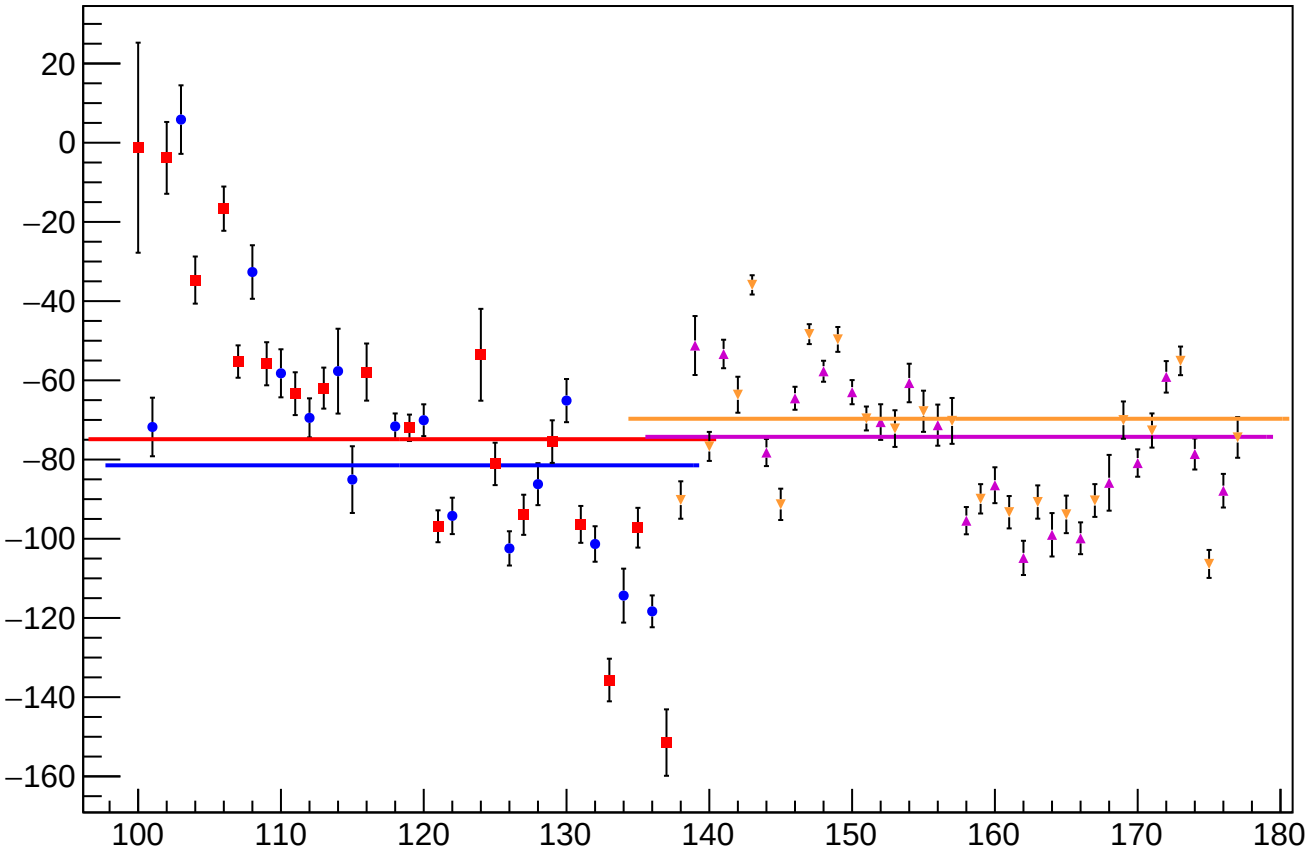
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -231.782+/-1.076 χ^2/NDF:738.0/18

\+ sign -226.563+/-0.780 χ^2/NDF: 2923.3/36

All: -226.279+/-0.556 χ^2/NDF: 6774.7/74

\- sign -225.984+/-0.794 χ^2/NDF: 3851.0/37



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.702+/-0.825 χ^2/NDF:624.4/20

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

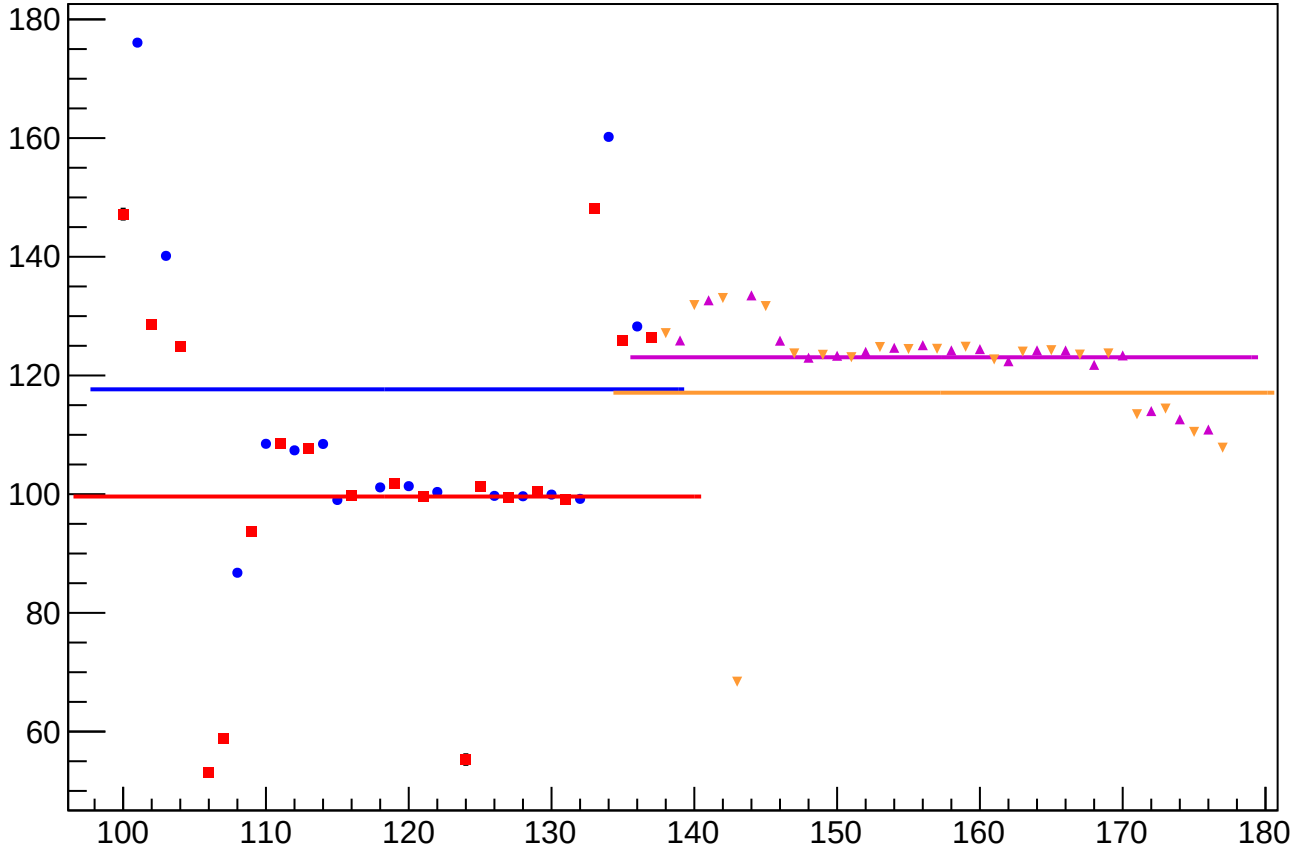
Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

+ sign -73.128+/-0.695 χ^2/NDF: 1050.1/36

All: -73.772+/-0.501 χ^2/NDF: 1934.6/74

- sign -74.472+/-0.724 χ^2/NDF: 882.8/37

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.098+/-0.039 χ^2/NDF:203030.0/20

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

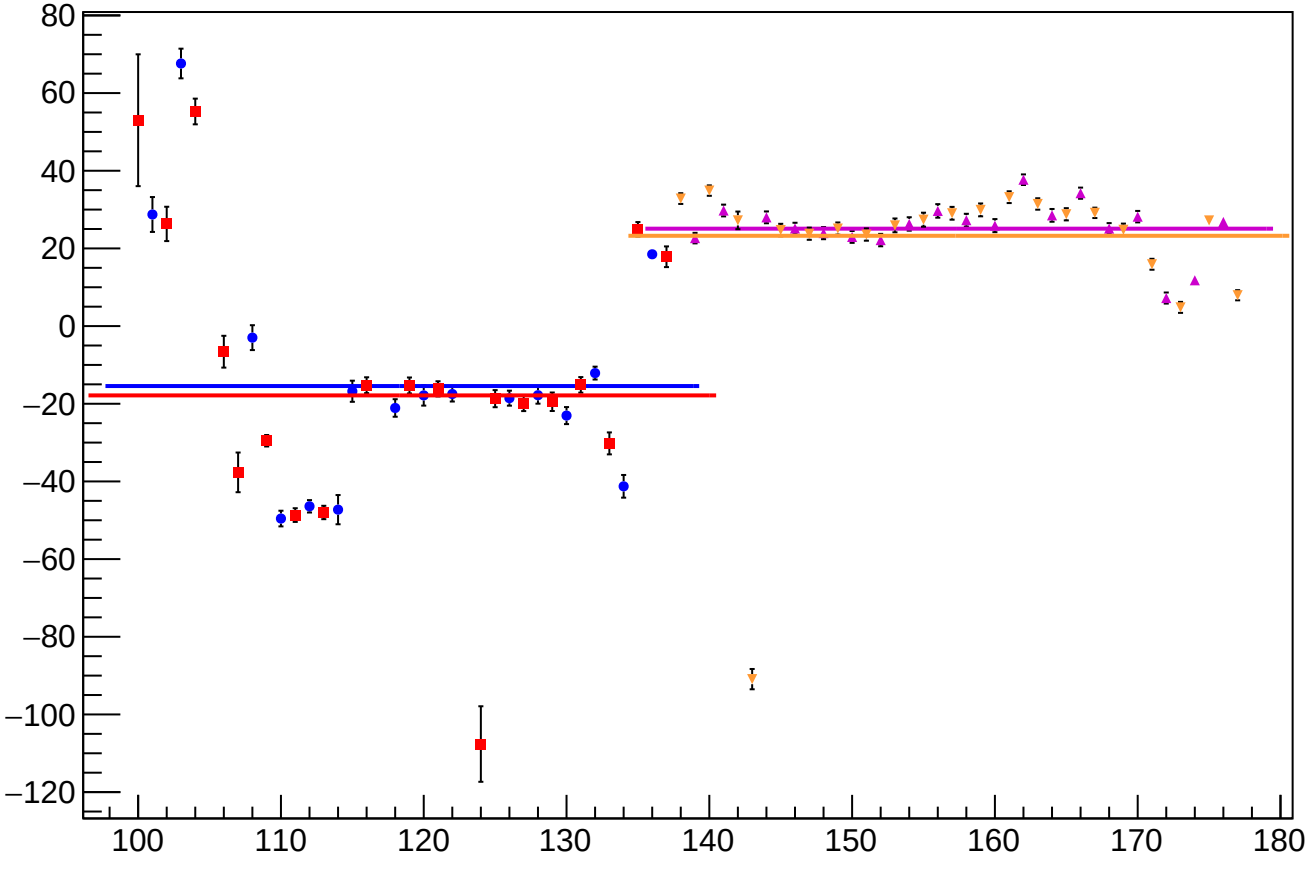
Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

+ sign 117.211+/-0.035 χ^2/NDF: 298469.4/36

All: 117.181+/-0.025 χ^2/NDF: 566769.4/74

- sign 117.151+/-0.035 χ^2/NDF: 268298.6/37

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: 23.253+/-0.331 χ^2/NDF:2529.0/20

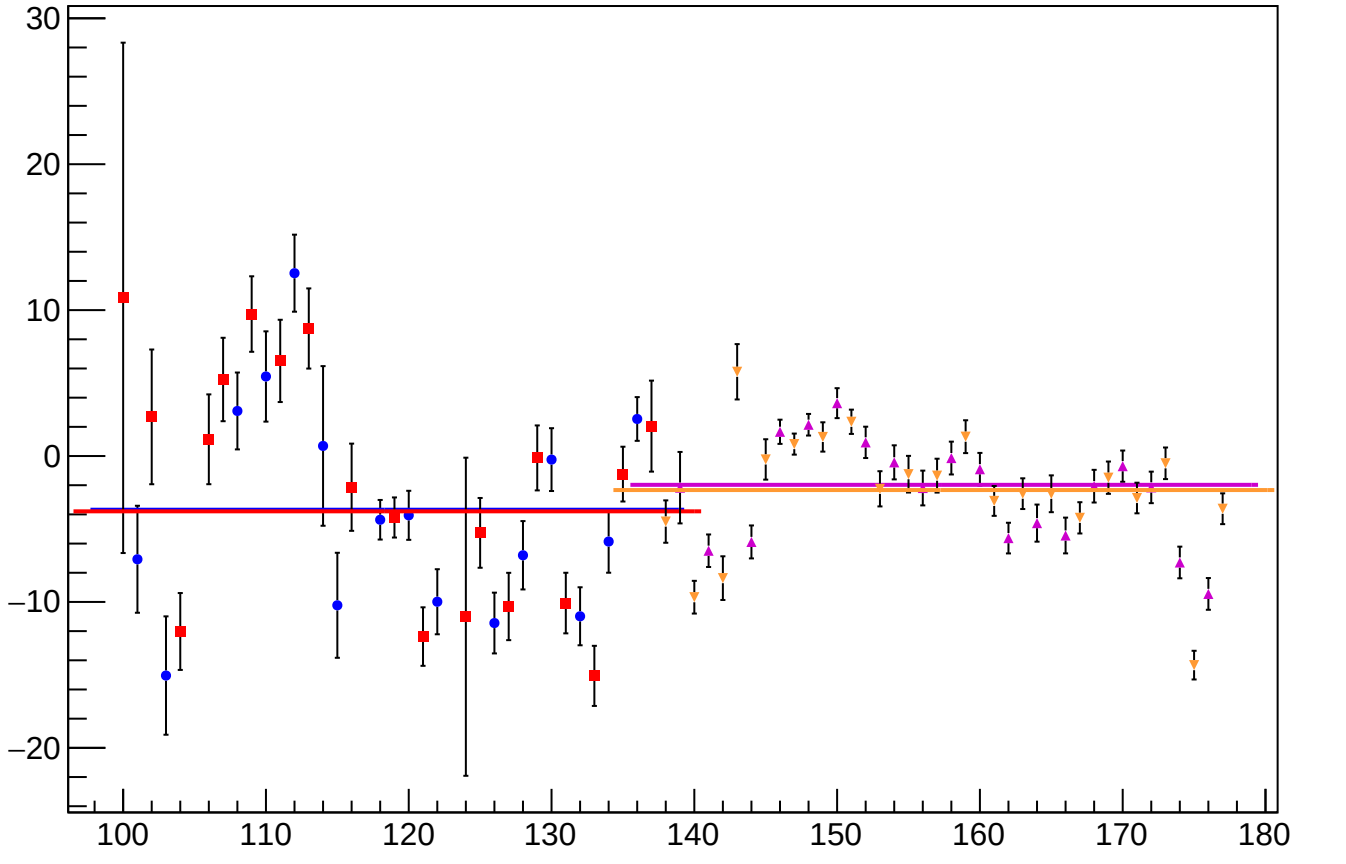
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.084+/-0.339 χ^2/NDF:442.4/18

+ sign 12.677+/-0.282 χ^2/NDF: 8396.9/36

All: 12.630+/-0.201 χ^2/NDF: 15621.9/74

- sign 12.582+/-0.286 χ^2/NDF: 7224.9/37



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.332+/-0.238 χ^2/NDF:315.7/20

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

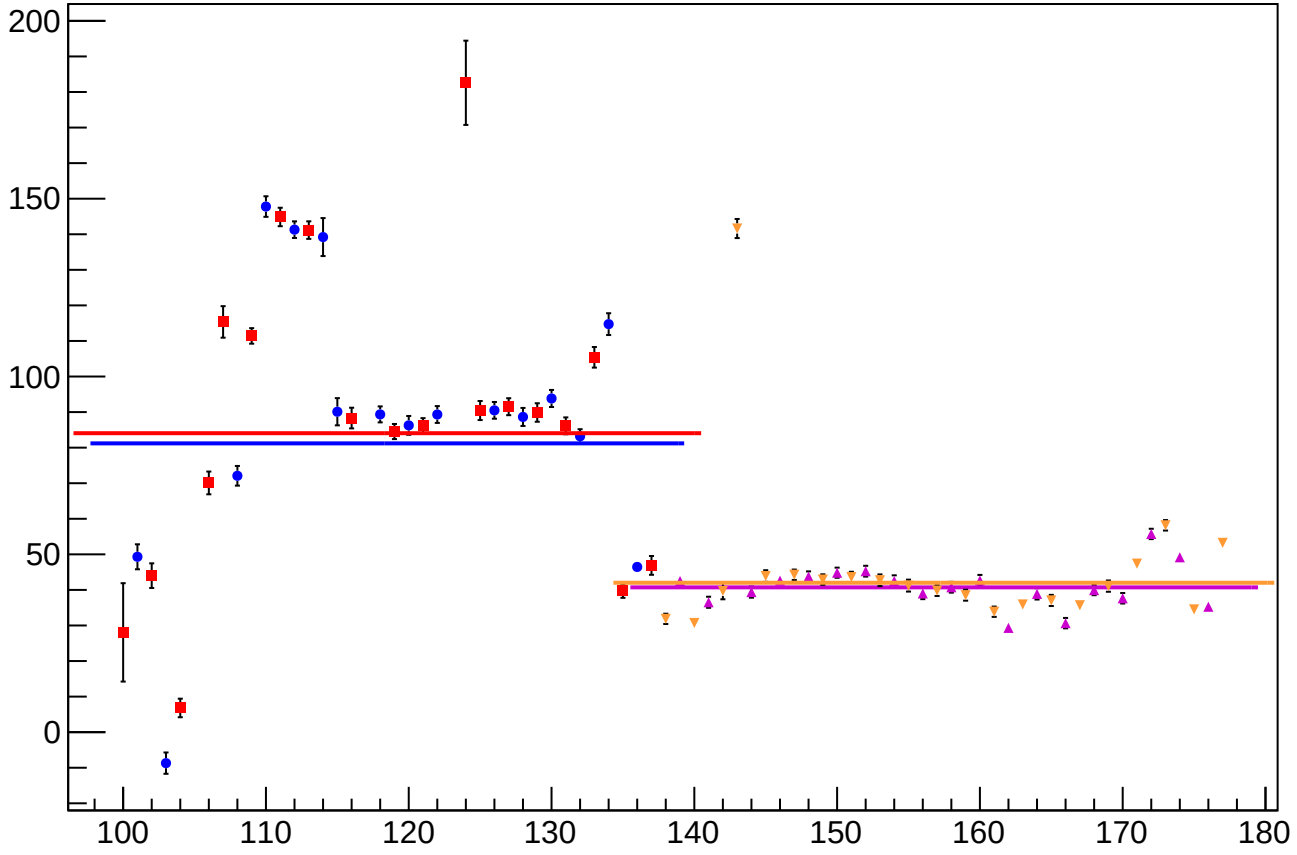
Left In: -1.974+/-0.248 χ^2/NDF:218.1/18

\+ sign -2.544+/-0.219 χ^2/NDF: 444.7/36

All: -2.411+/-0.158 χ^2/NDF: 833.5/74

\- sign -2.268+/-0.227 χ^2/NDF: 388.0/37

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: 42.017+/-0.325 χ^2/NDF:1848.7/20

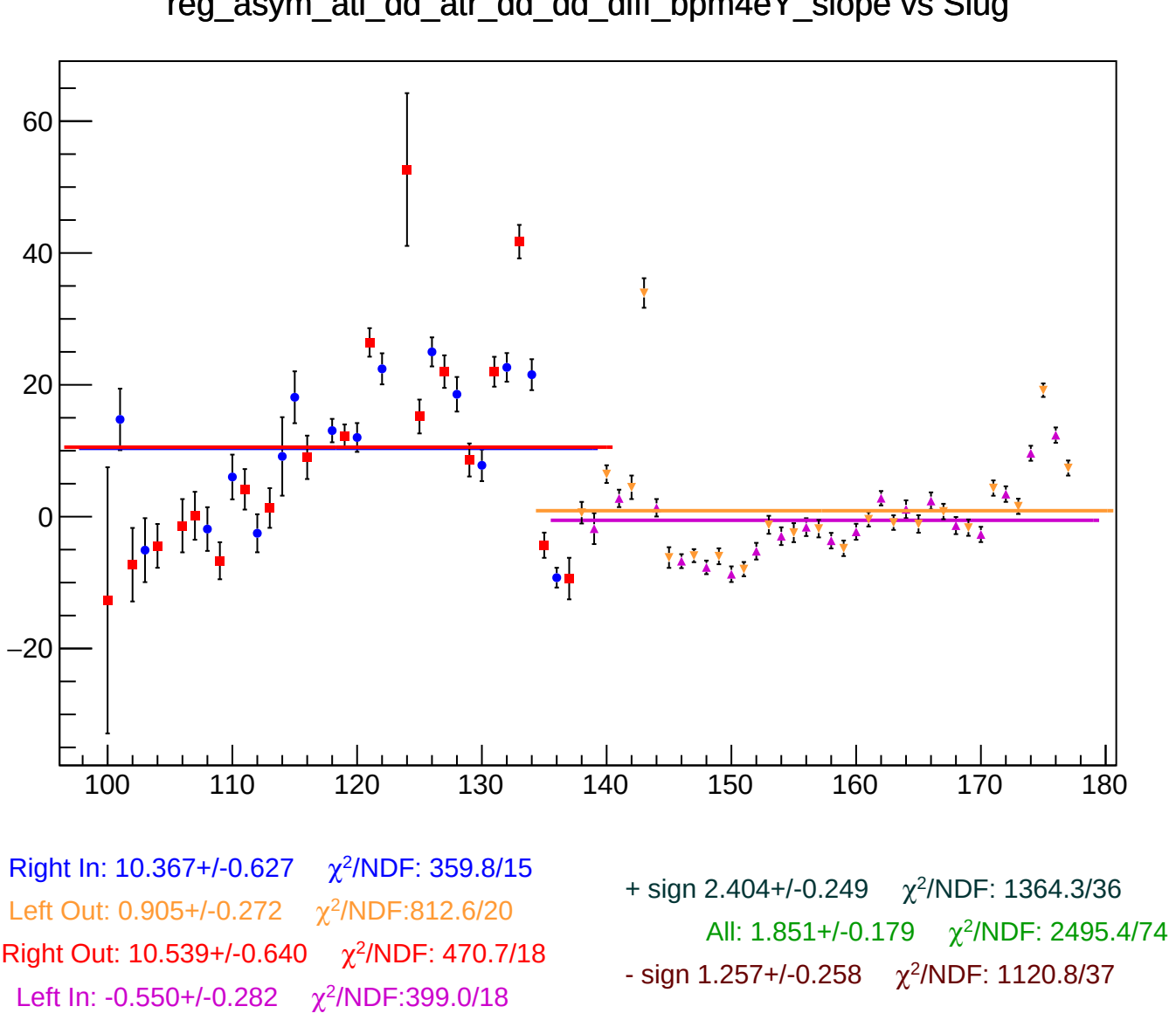
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

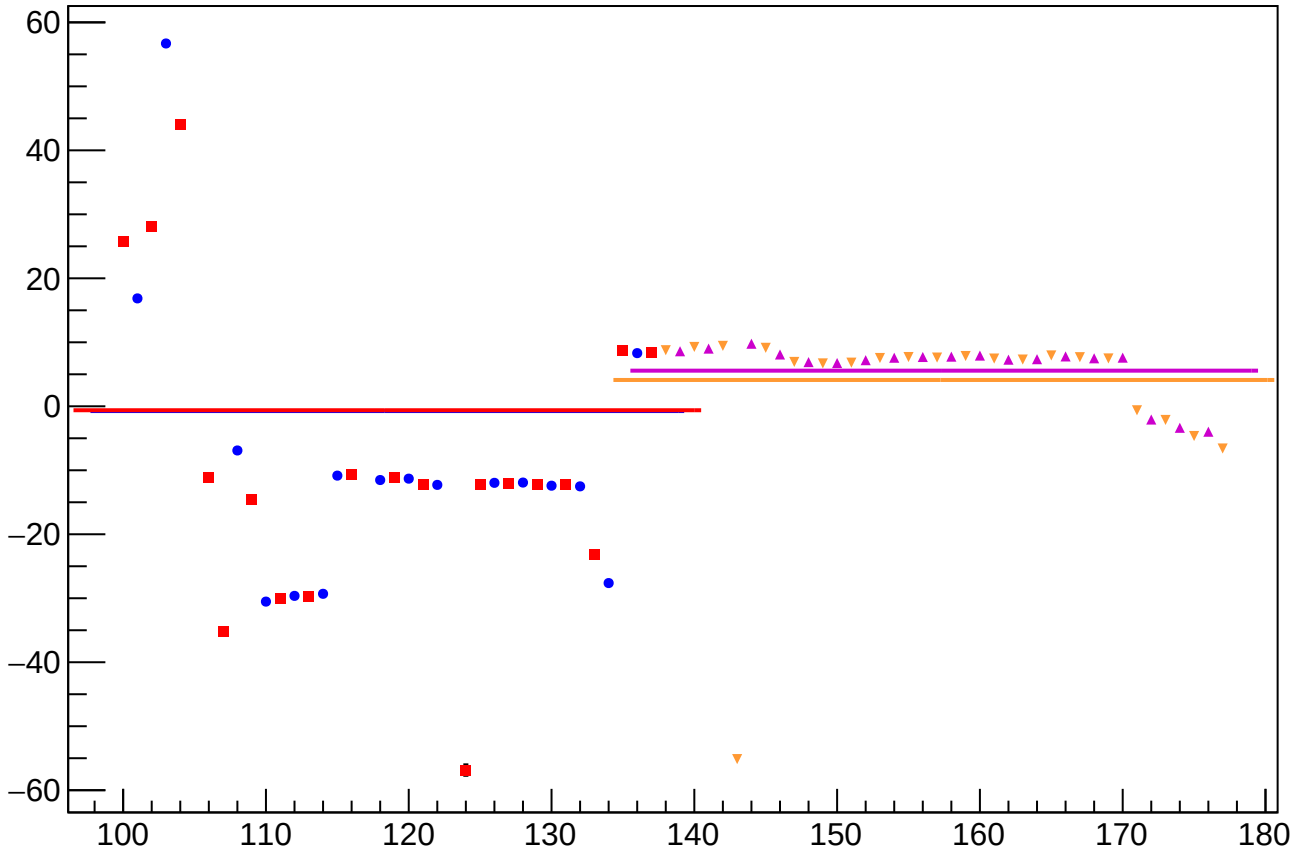
Left In: 40.717+/-0.334 χ^2/NDF:333.6/18

+ sign 50.752+/-0.287 χ^2/NDF: 8317.2/36

All: 50.662+/-0.205 χ^2/NDF: 15680.8/74

- sign 50.567+/-0.294 χ^2/NDF: 7363.4/37


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 0.905+/-0.272 χ²/NDF:812.6/20
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -0.550+/-0.282 χ²/NDF:399.0/18
+ sign 2.404+/-0.249 χ²/NDF: 1364.3/36
All: 1.851+/-0.179 χ²/NDF: 2495.4/74
- sign 1.257+/-0.258 χ²/NDF: 1120.8/37



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.113+/-0.012 χ^2/NDF:458760.1/20

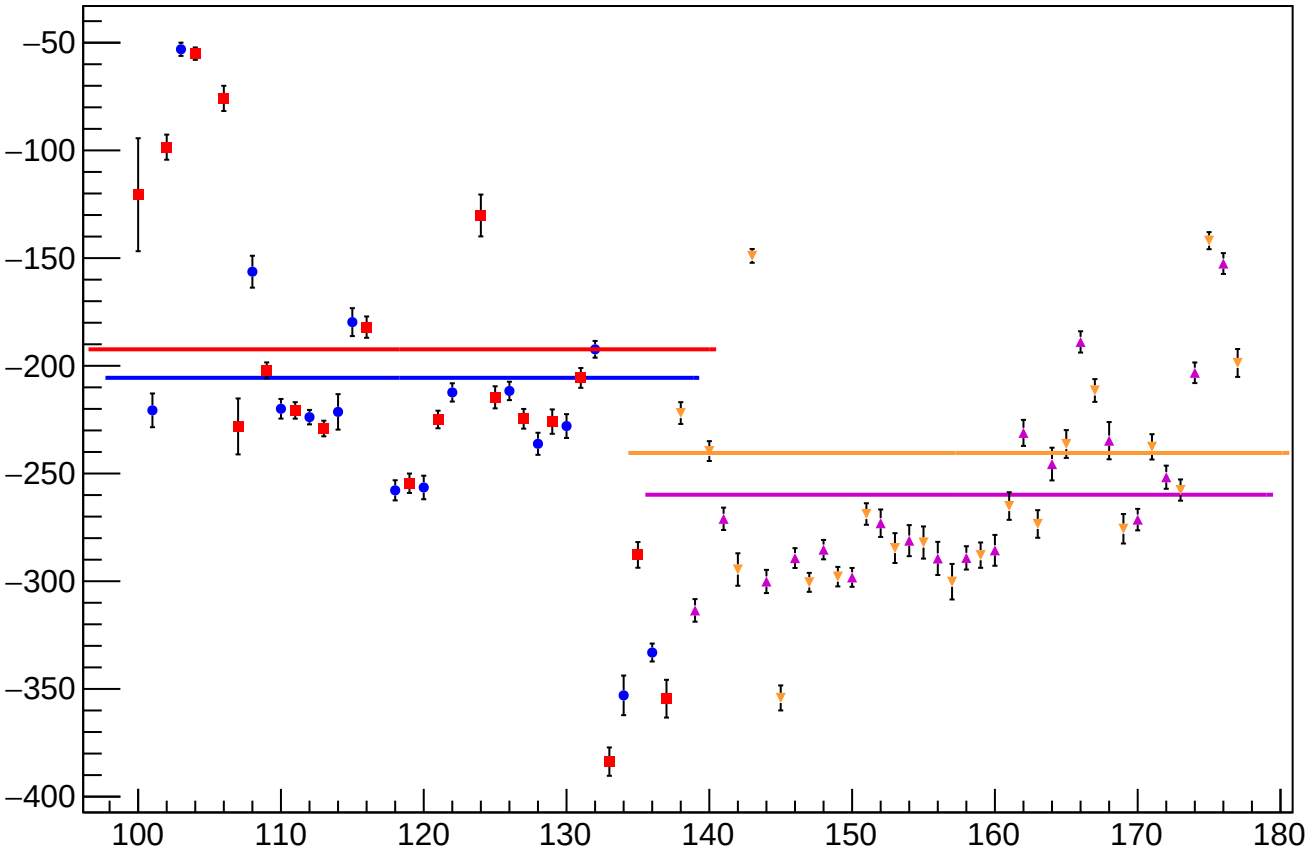
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 5.569+/-0.012 χ^2/NDF:127182.5/18

+ sign 3.607+/-0.012 χ^2/NDF: 843179.4/36

All: 4.271+/-0.008 χ^2/NDF: 1318276.3/74

- sign 4.956+/-0.012 χ^2/NDF: 468418.1/37



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -240.454+/-1.162 χ^2/NDF:2600.4/20

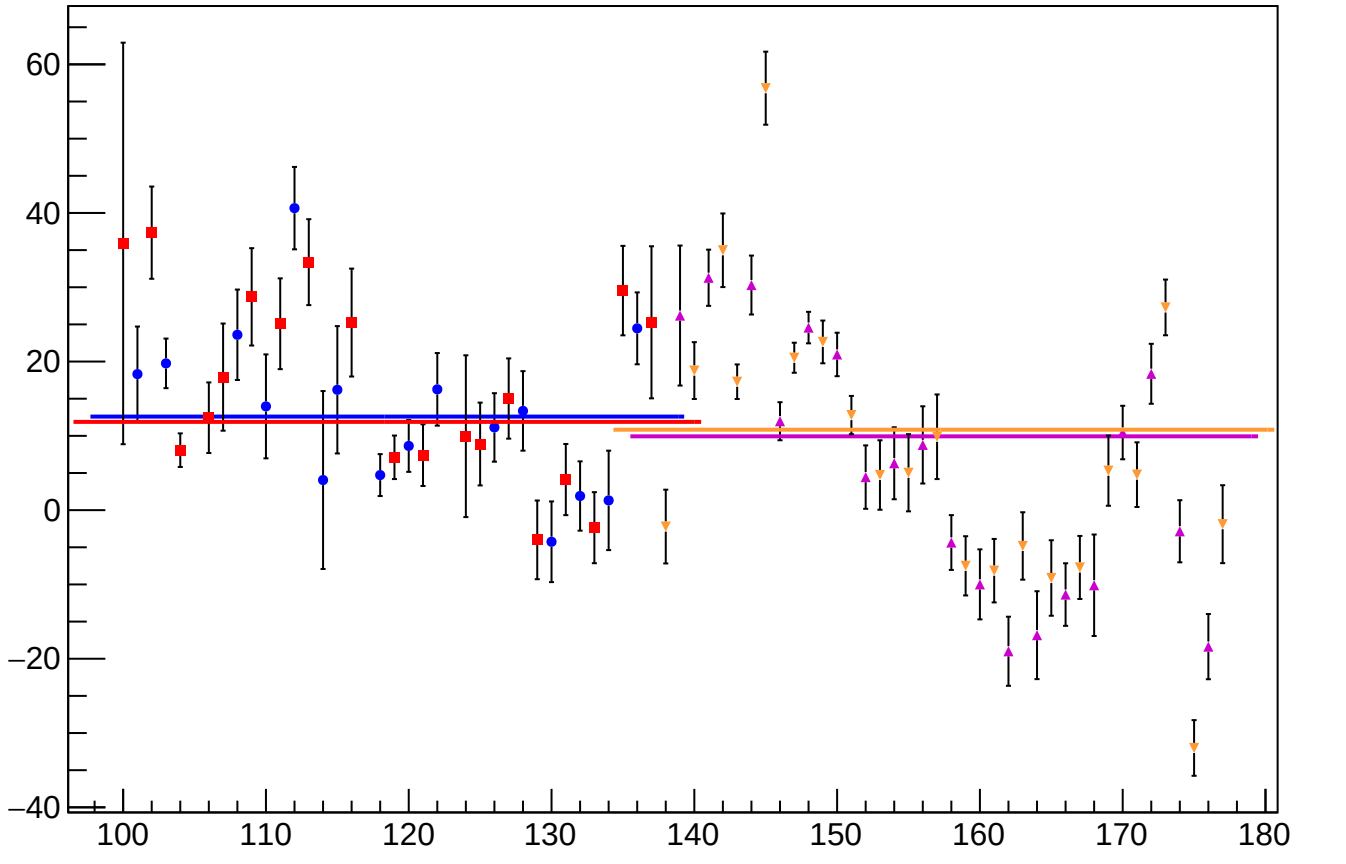
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -259.841+/-1.258 χ^2/NDF:1266.0/18

+ sign -223.355+/-0.830 χ^2/NDF: 7098.2/36

All: -222.811+/-0.589 χ^2/NDF: 14937.2/74

- sign -222.256+/-0.838 χ^2/NDF: 7838.1/37



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 10.827+/-0.805 χ^2/NDF:419.8/20

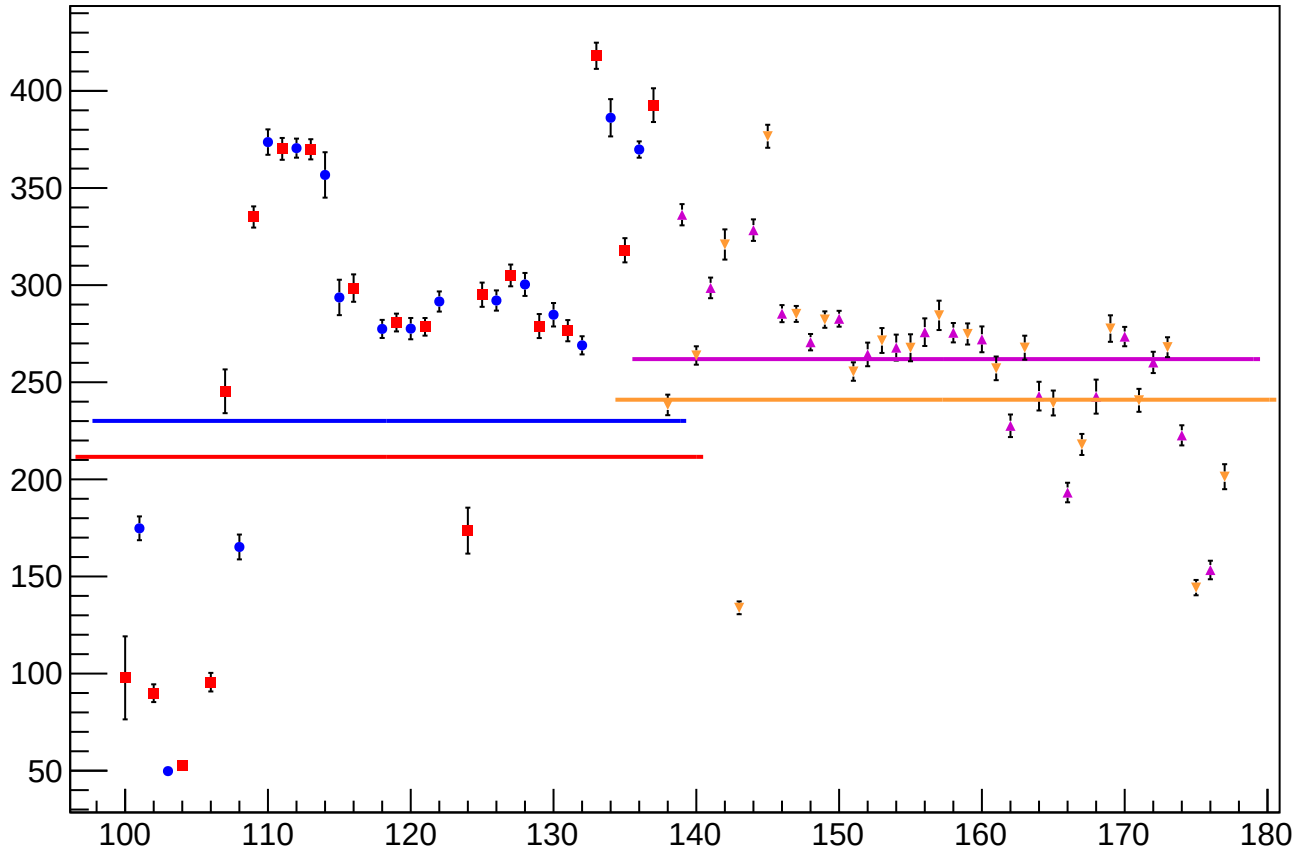
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 9.934+/-0.880 χ^2/NDF:307.5/18

+ sign 11.374+/-0.669 χ^2/NDF: 489.8/36

All: 11.037+/-0.481 χ^2/NDF: 884.6/74

- sign 10.676+/-0.693 χ^2/NDF: 394.3/37



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 241.006+/-1.146 χ^2/NDF:2775.8/20

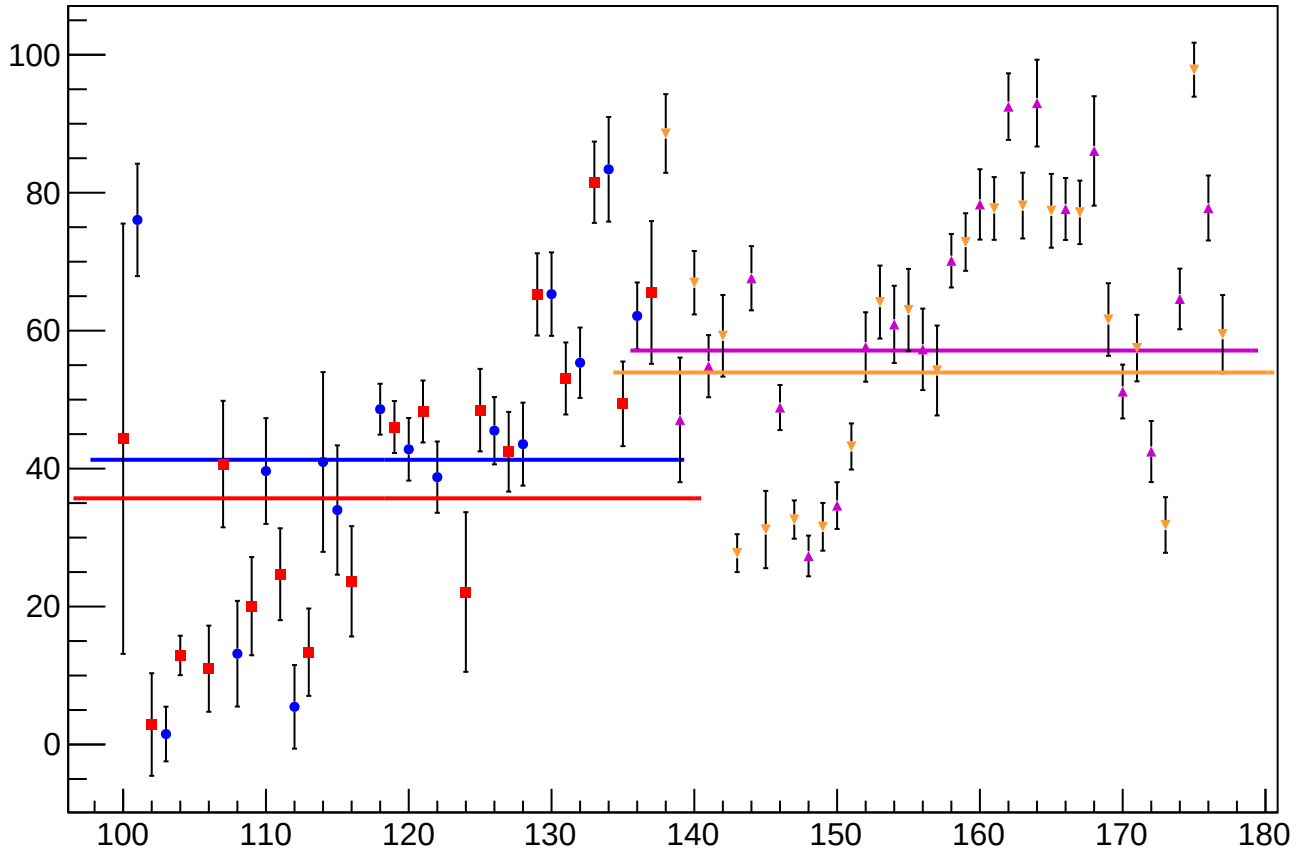
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 261.913+/-1.234 χ^2/NDF:1261.3/18

+ sign 236.064+/-0.848 χ^2/NDF: 12192.5/36

All: 236.003+/-0.603 χ^2/NDF: 25783.8/74

- sign 235.940+/-0.859 χ^2/NDF: 13591.2/37



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 53.935+/-0.941 χ^2/NDF:547.7/20

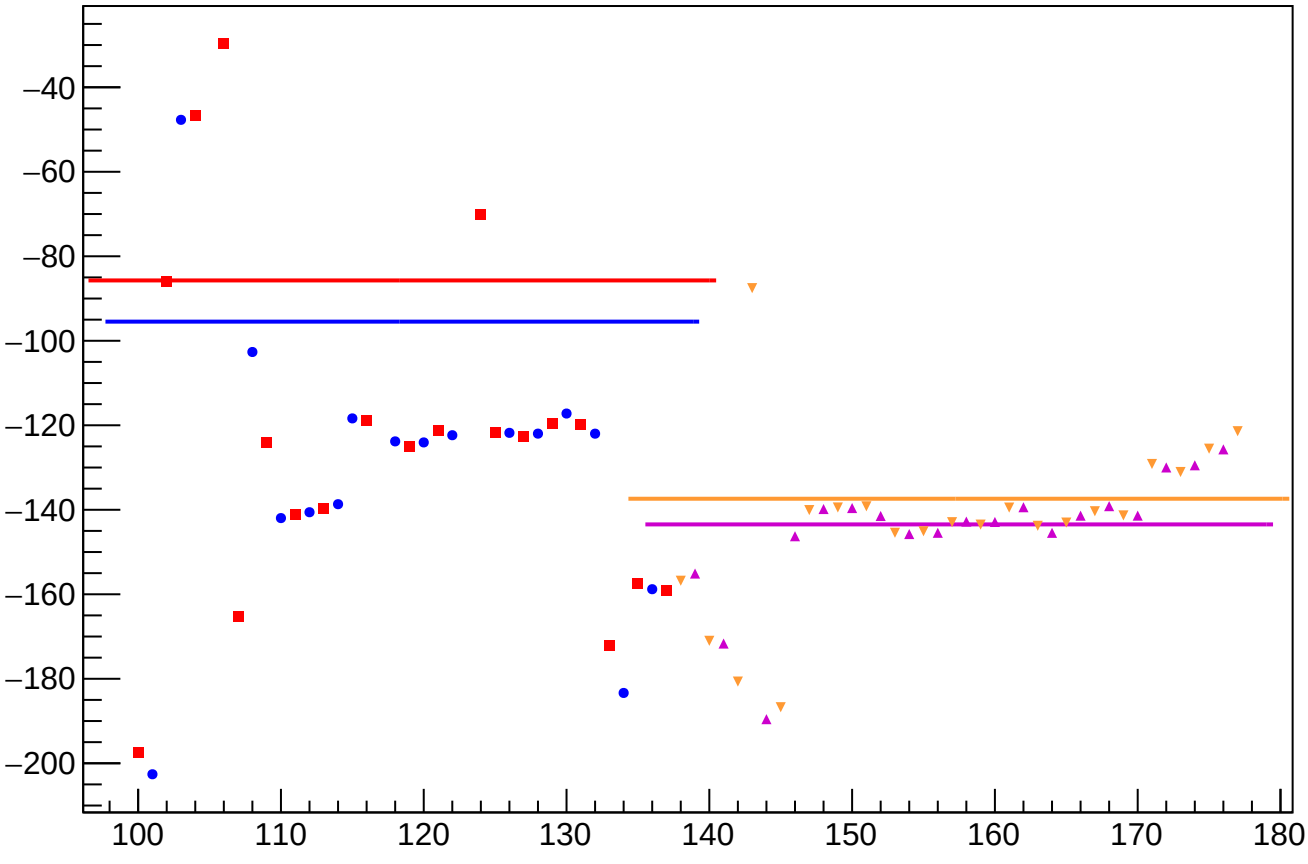
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 57.119+/-1.023 χ^2/NDF:343.6/18

+ sign 49.988+/-0.781 χ^2/NDF: 849.9/36

All: 49.538+/-0.561 χ^2/NDF: 1612.5/74

- sign 49.057+/-0.808 χ^2/NDF: 761.9/37



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.387+/-0.045 χ^2/NDF:245932.7/20

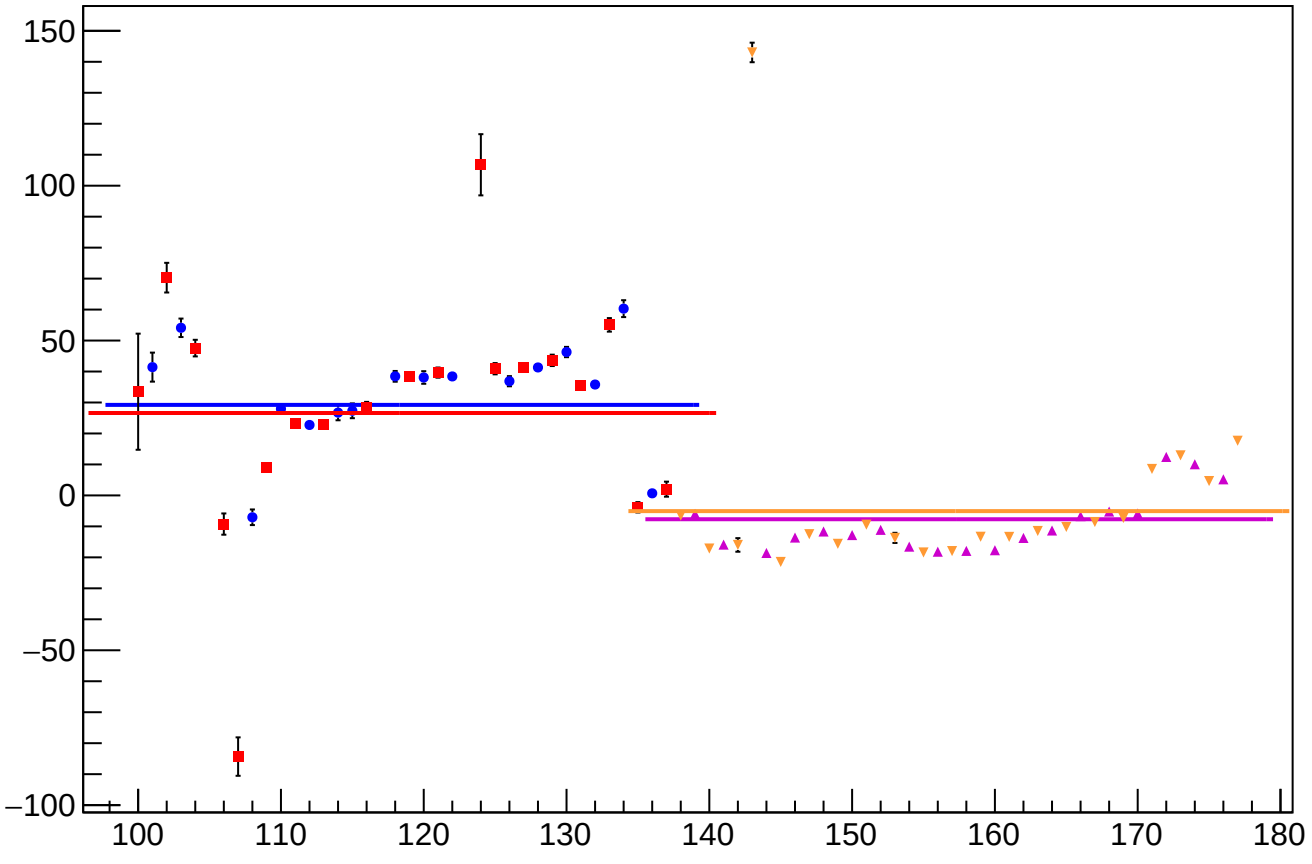
Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -143.461+/-0.047 χ^2/NDF:75707.8/18

+ sign -125.174+/-0.037 χ^2/NDF: 1024035.0/36

All: -124.869+/-0.027 χ^2/NDF: 2082801.9/74

- sign -124.552+/-0.038 χ^2/NDF: 1058632.5/37



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -5.071+/-0.310 χ^2/NDF:3514.6/20

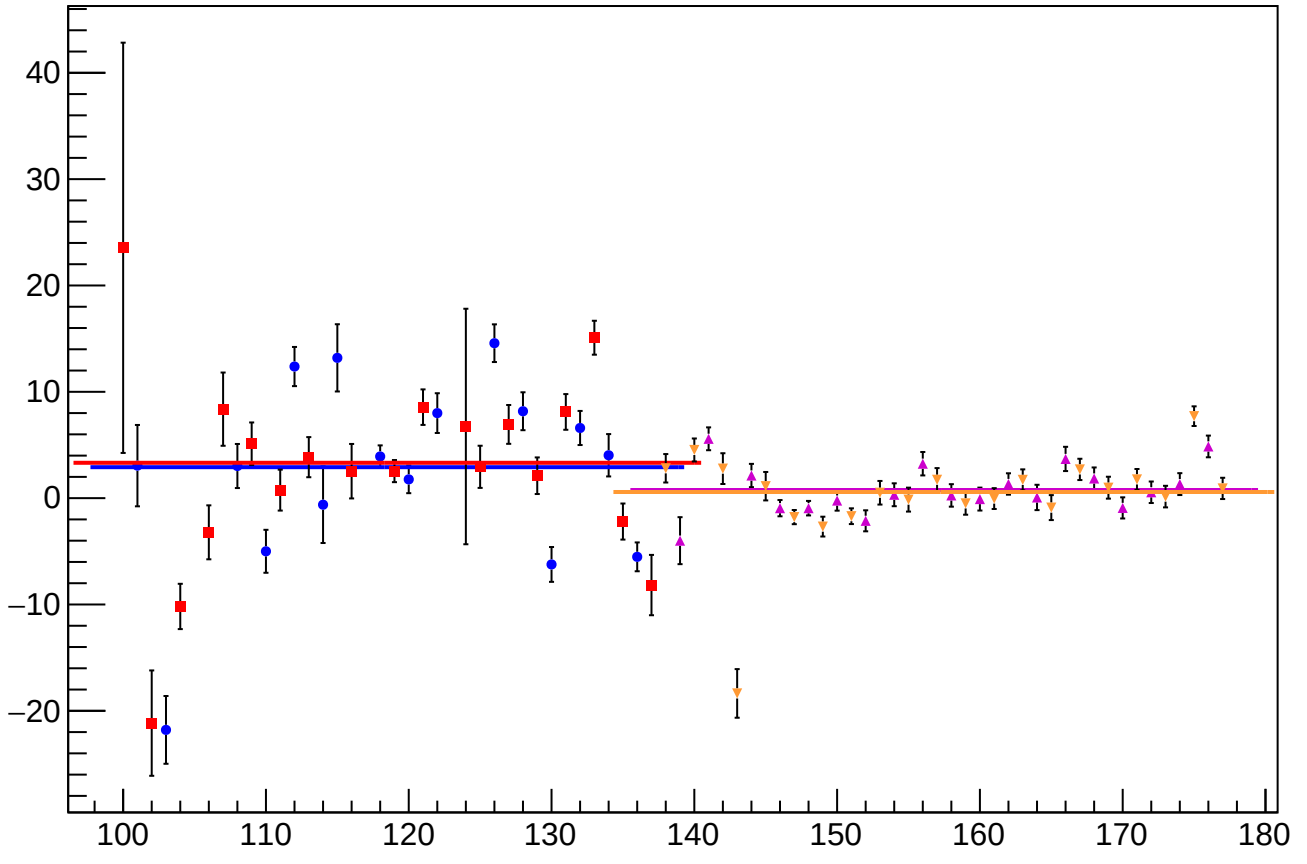
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -7.692+/-0.317 χ^2/NDF:911.9/18

\+ sign 6.864+/-0.250 χ^2/NDF: 9119.0/36

All: 5.936+/-0.178 χ^2/NDF: 16302.8/74

\- sign 4.996+/-0.252 χ^2/NDF: 7156.0/37



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.579+/-0.223 χ^2/NDF:193.2/20

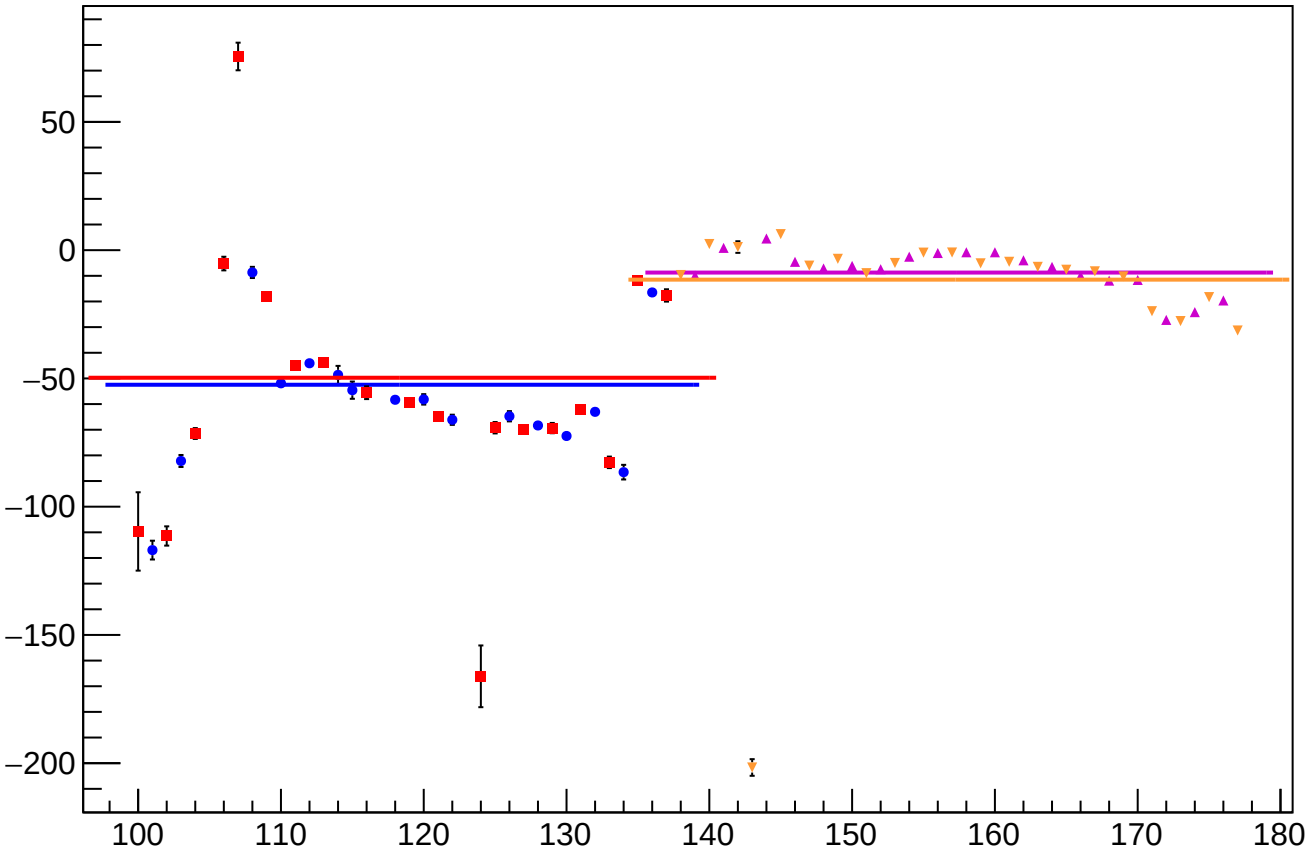
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.766+/-0.232 χ^2/NDF:80.9/18

+ sign 1.052+/-0.199 χ^2/NDF: 465.3/36

All: 1.169+/-0.143 χ^2/NDF: 754.0/74

- sign 1.296+/-0.206 χ^2/NDF: 288.0/37



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.492+/-0.305 χ^2/NDF:4489.0/20

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

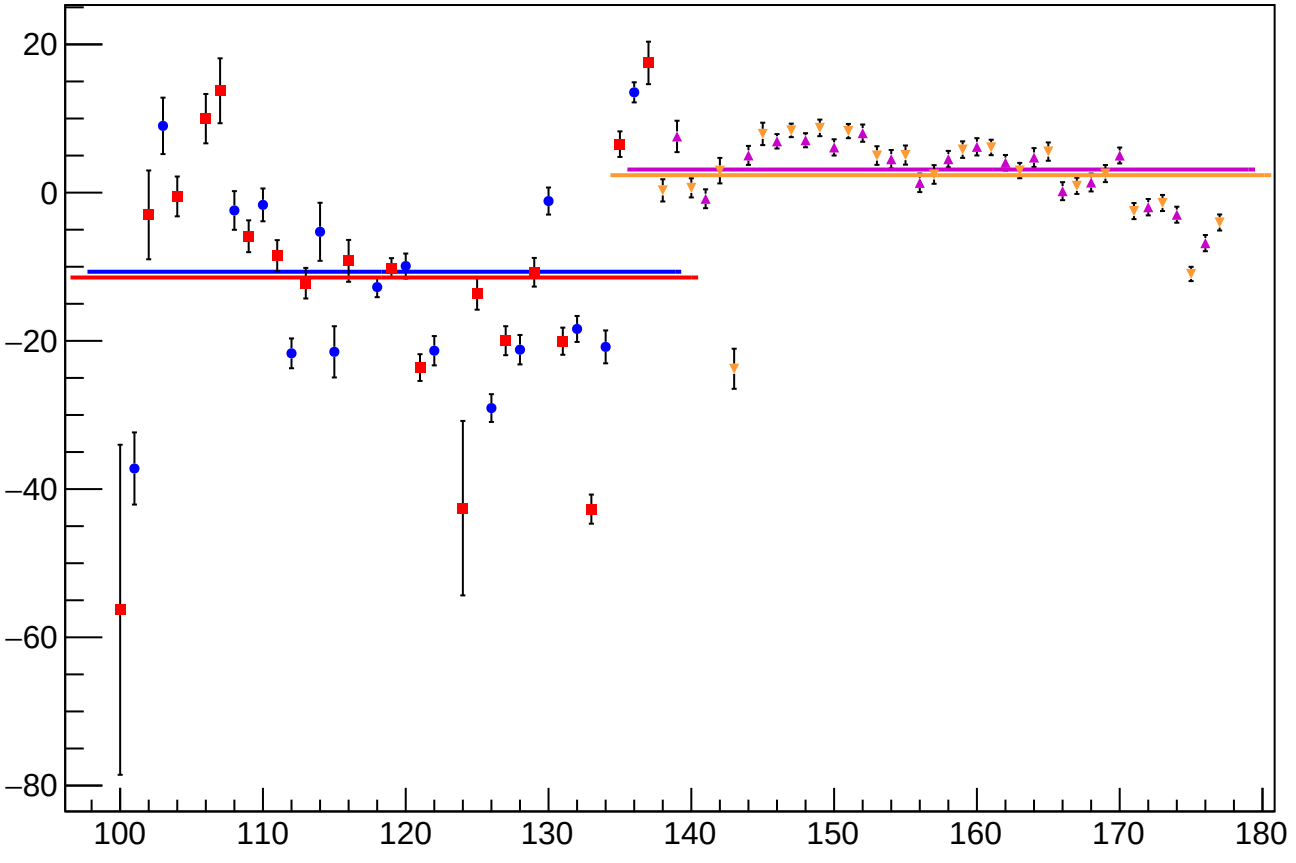
Left In: -8.731+/-0.312 χ^2/NDF:694.5/18

+ sign -22.987+/-0.258 χ^2/NDF: 11896.1/36

All: -21.739+/-0.185 χ^2/NDF: 20569.9/74

- sign -20.435+/-0.264 χ^2/NDF: 8626.0/37

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.354+/-0.255 χ^2/NDF:523.6/20

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

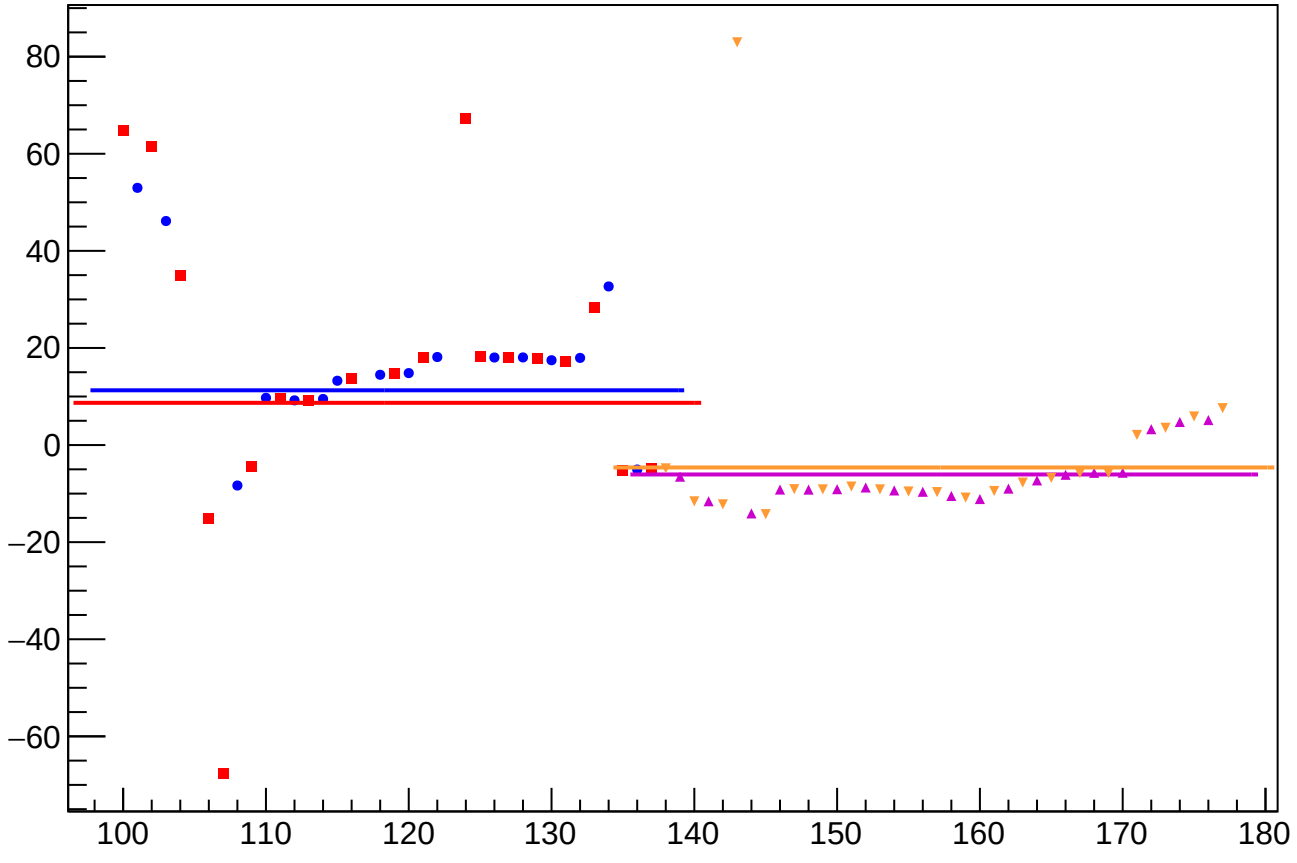
Left In: 3.117+/-0.264 χ^2/NDF:234.9/18

+ sign -0.281+/-0.227 χ^2/NDF: 1720.0/36

All: -0.103+/-0.163 χ^2/NDF: 3253.1/74

- sign 0.088+/-0.235 χ^2/NDF: 1531.8/37

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -4.616+/-0.011 χ^2/NDF:725264.1/20

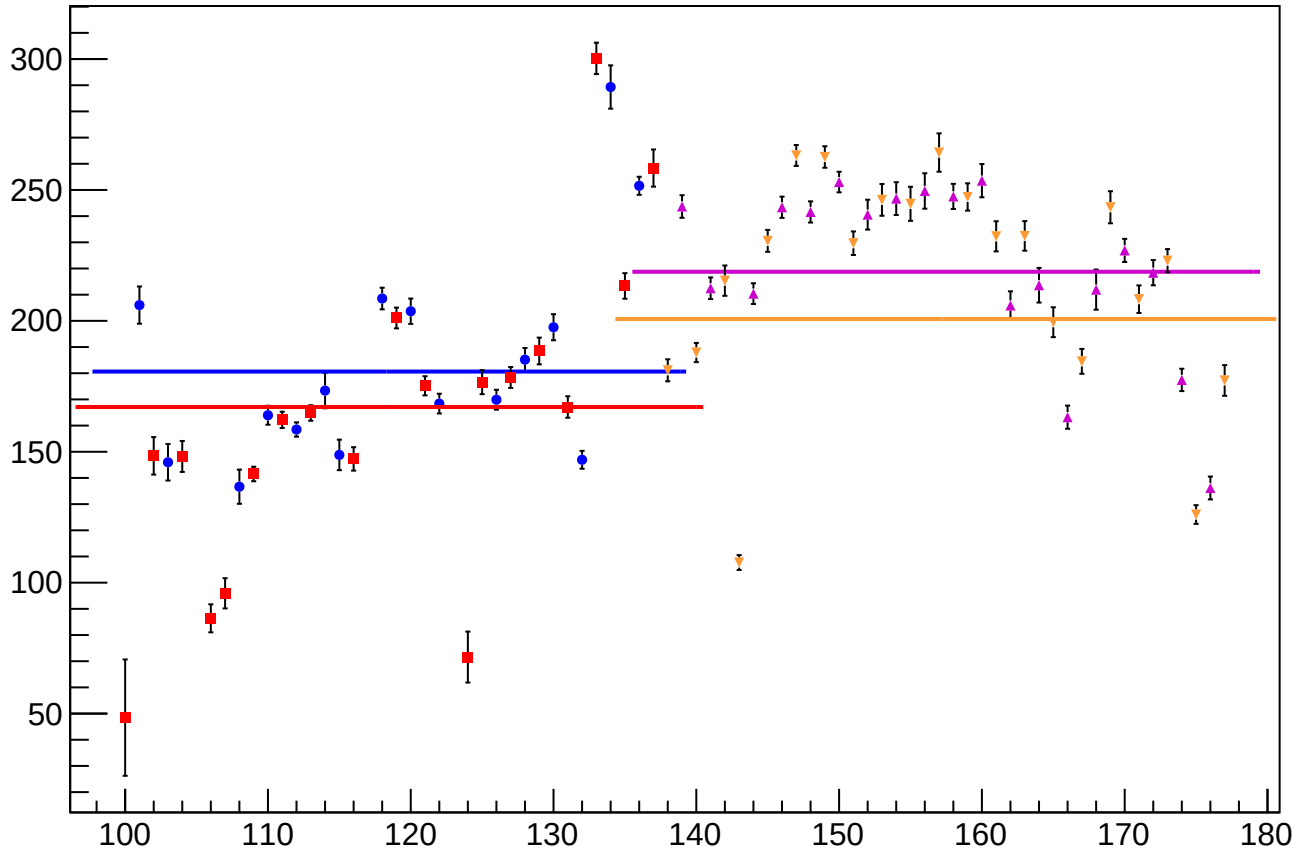
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.059+/-0.012 χ^2/NDF:228974.4/18

+ sign -2.589+/-0.011 χ^2/NDF: 1320735.4/36

All: -3.431+/-0.008 χ^2/NDF: 2192753.0/74

- sign -4.300+/-0.011 χ^2/NDF: 859394.5/37



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 200.708+/-1.011 χ^2/NDF:2535.3/20

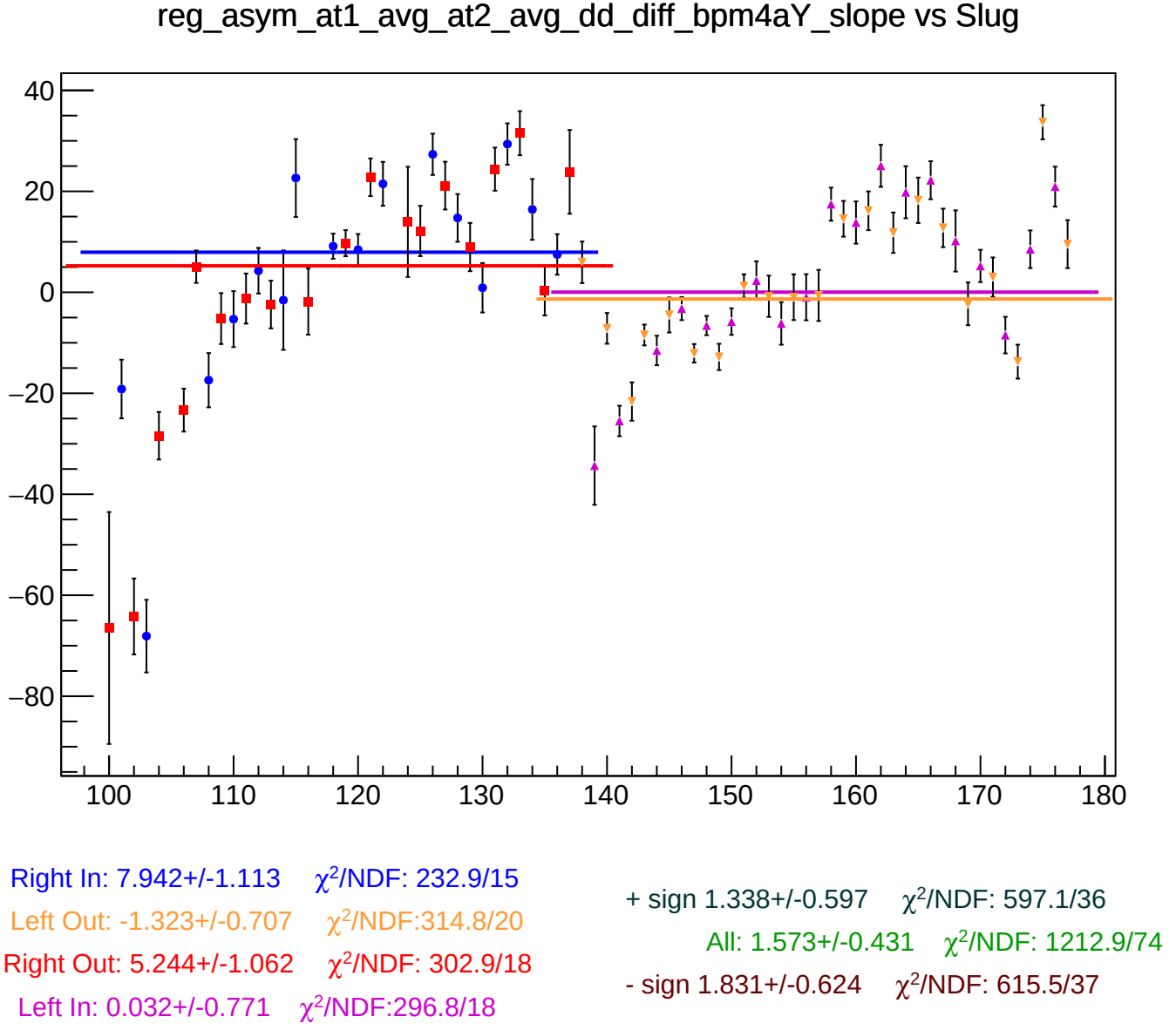
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

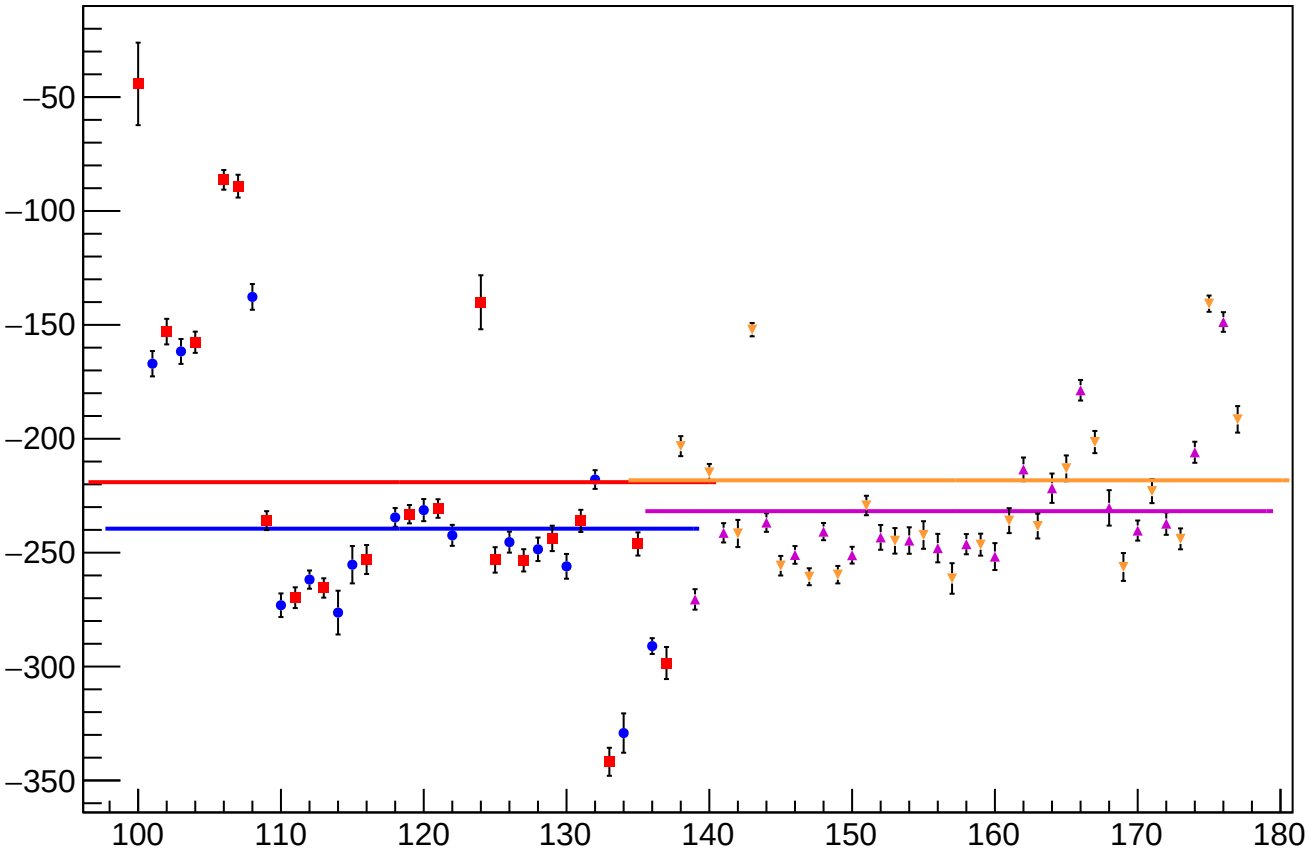
Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

+ sign 191.417+/-0.741 χ^2/NDF: 3711.0/36

All: 191.279+/-0.526 χ^2/NDF: 7312.9/74

- sign 191.139+/-0.746 χ^2/NDF: 3601.8/37


reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: -1.323+/-0.707 χ²/NDF:314.8/20
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: 0.032+/-0.771 χ²/NDF:296.8/18
+ sign 1.338+/-0.597 χ²/NDF: 597.1/36
All: 1.573+/-0.431 χ²/NDF: 1212.9/74
- sign 1.831+/-0.624 χ²/NDF: 615.5/37



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -218.238+/-1.000 χ^2/NDF:1584.4/20

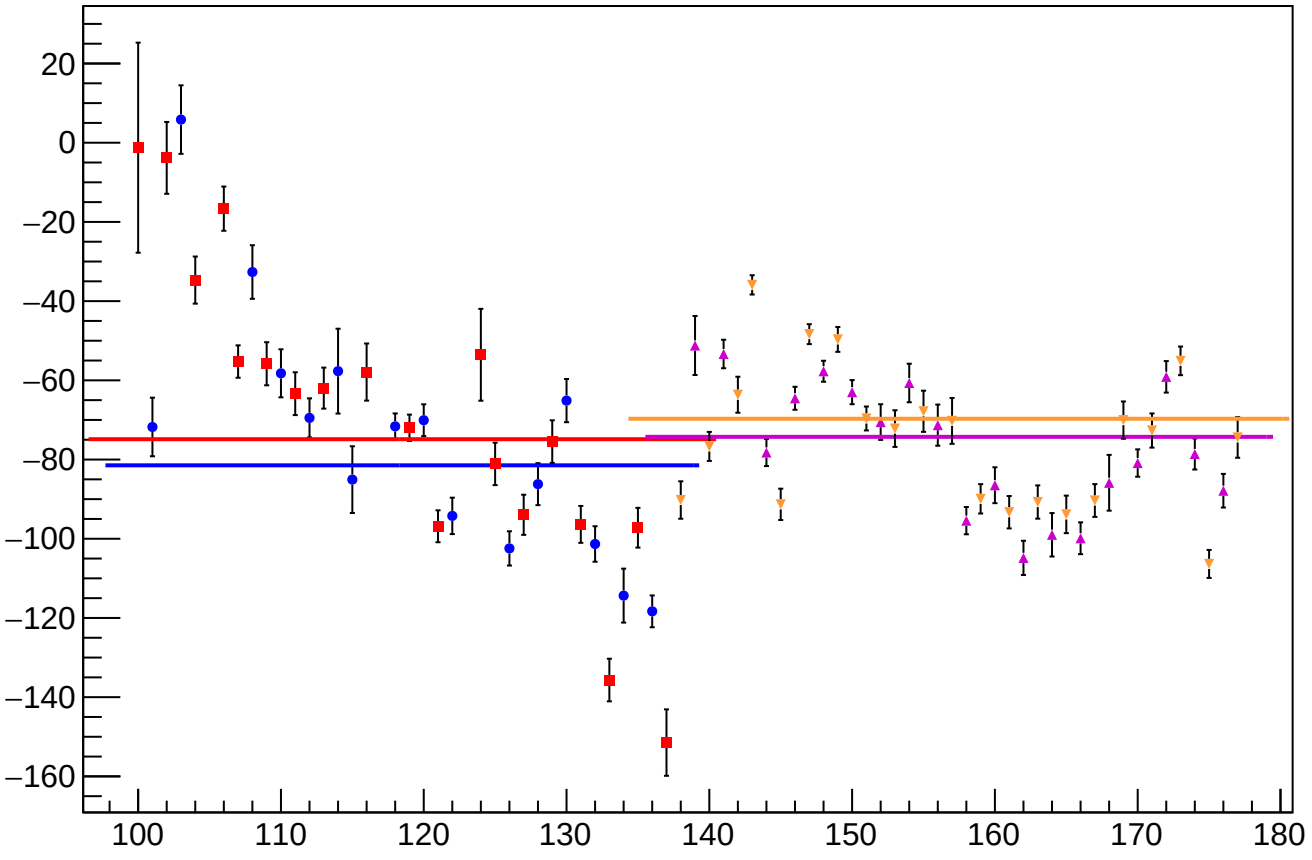
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -231.782+/-1.076 χ^2/NDF:738.0/18

+ sign -226.563+/-0.780 χ^2/NDF: 2923.3/36

All: -226.279+/-0.556 χ^2/NDF: 6774.7/74

- sign -225.984+/-0.794 χ^2/NDF: 3851.0/37



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.702+/-0.825 χ^2/NDF:624.4/20

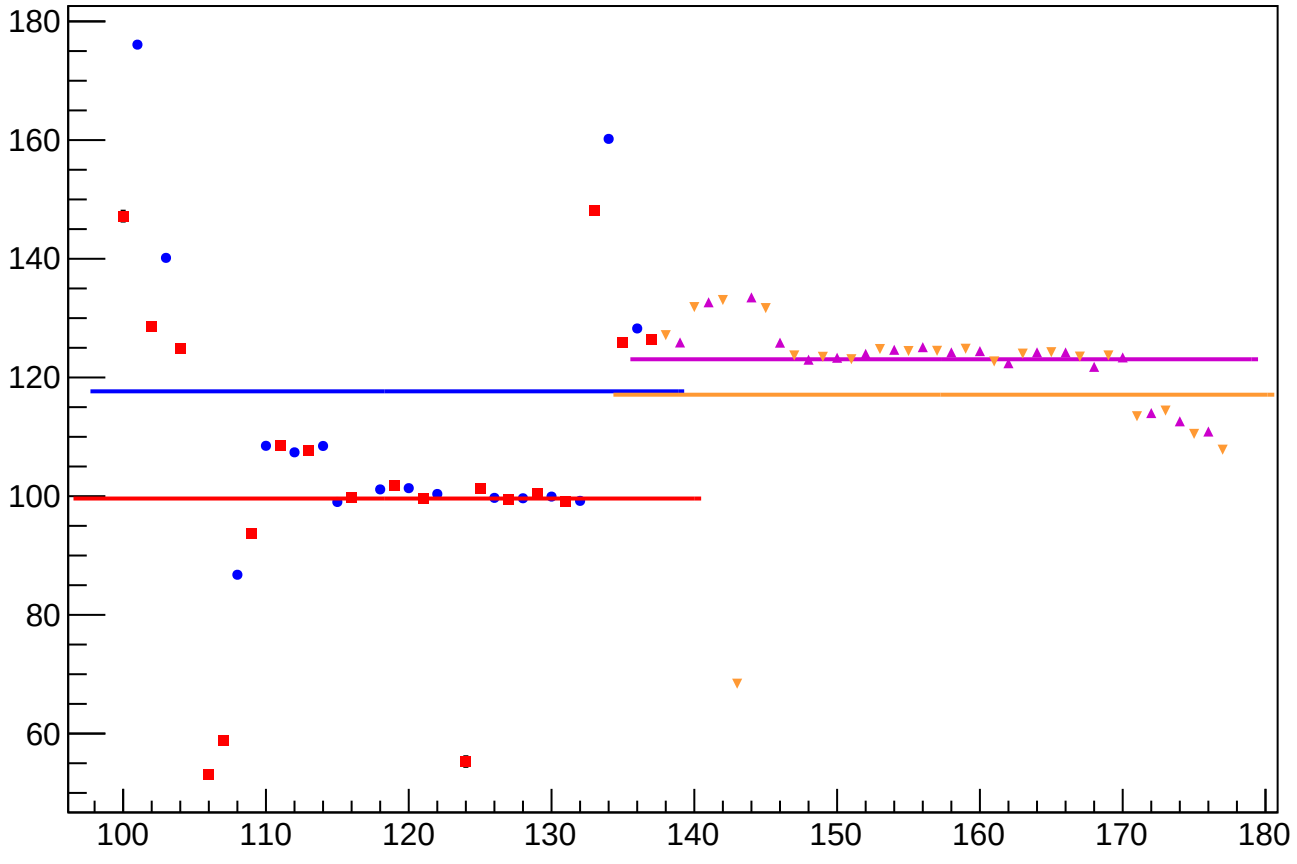
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

+ sign -73.128+/-0.695 χ^2/NDF: 1050.1/36

All: -73.772+/-0.501 χ^2/NDF: 1934.6/74

- sign -74.472+/-0.724 χ^2/NDF: 882.8/37



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.098+/-0.039 χ^2/NDF:203030.0/20

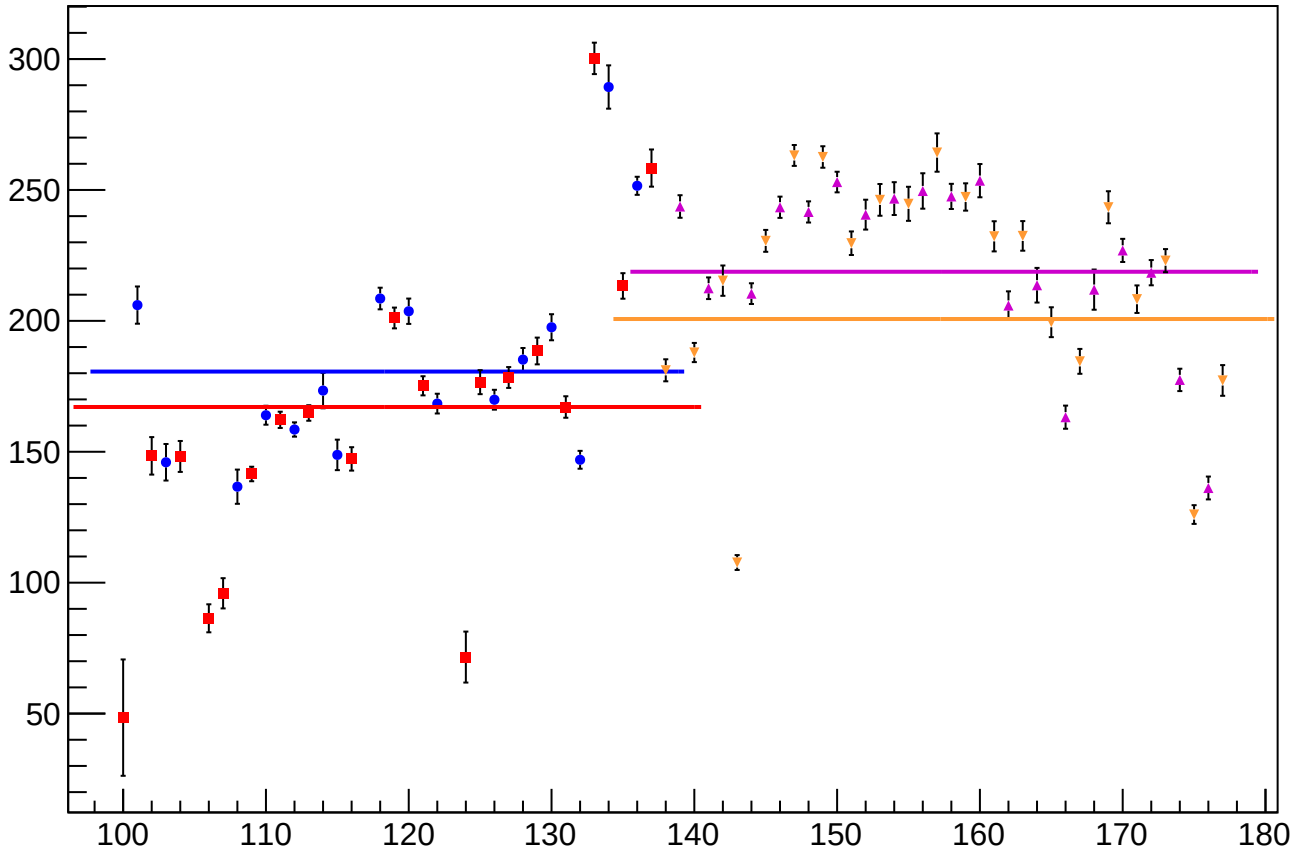
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

\+ sign 117.211+/-0.035 χ^2/NDF: 298469.4/36

All: 117.181+/-0.025 χ^2/NDF: 566769.4/74

\- sign 117.151+/-0.035 χ^2/NDF: 268298.6/37



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 200.708+/-1.011 χ^2/NDF:2535.3/20

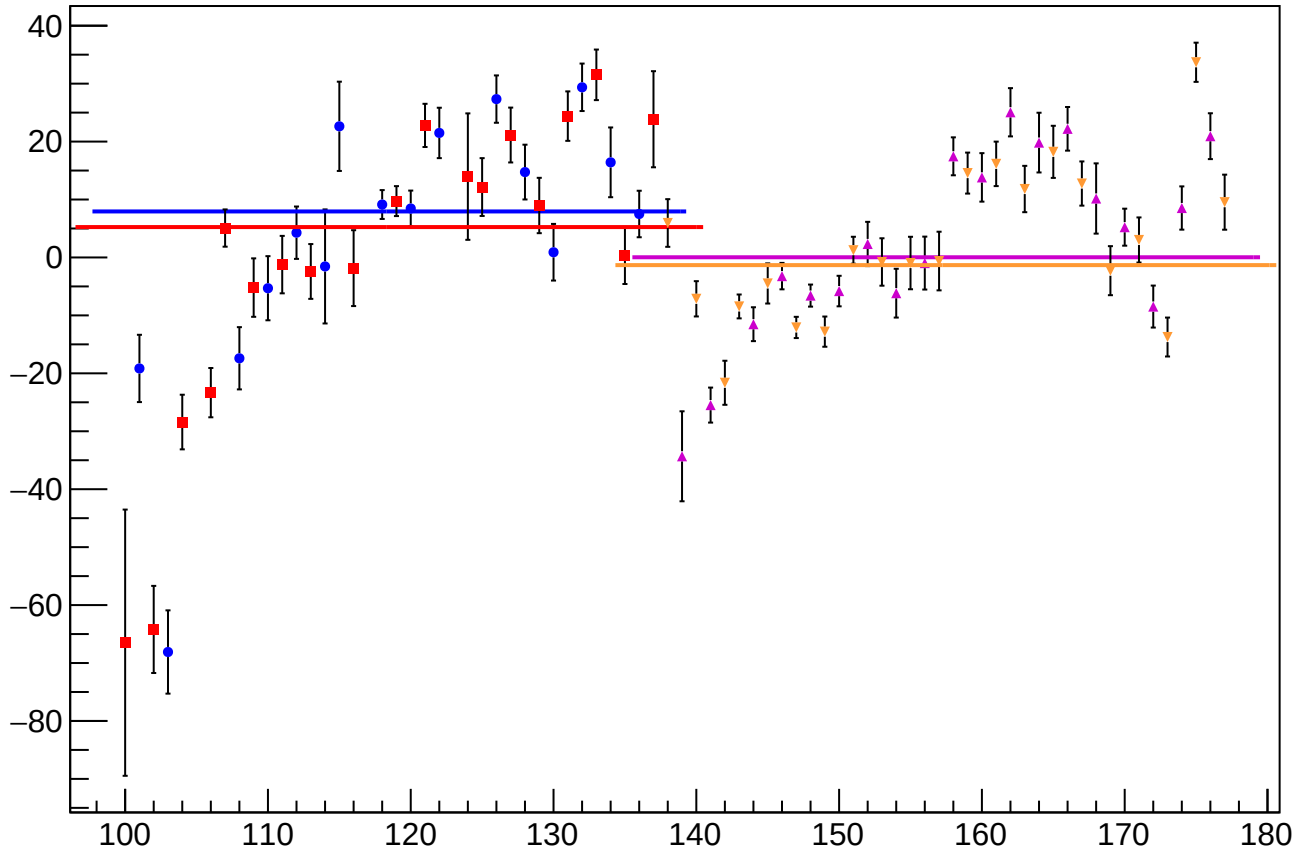
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

+ sign 191.417+/-0.741 χ^2/NDF: 3711.0/36

All: 191.279+/-0.526 χ^2/NDF: 7312.9/74

- sign 191.139+/-0.746 χ^2/NDF: 3601.8/37



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.323+/-0.707 χ^2/NDF:314.8/20

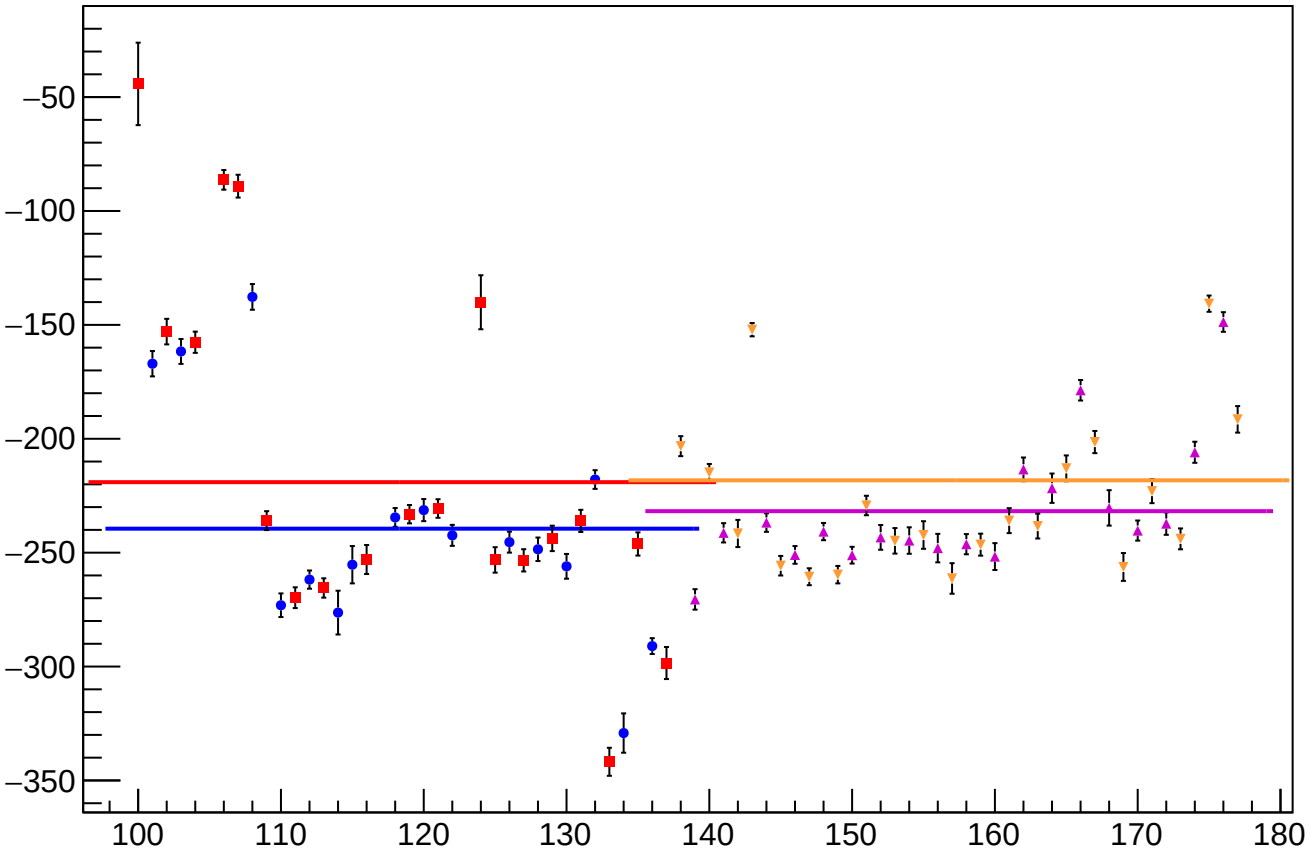
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.032+/-0.771 χ^2/NDF:296.8/18

\+ sign 1.338+/-0.597 χ^2/NDF: 597.1/36

All: 1.573+/-0.431 χ^2/NDF: 1212.9/74

\- sign 1.831+/-0.624 χ^2/NDF: 615.5/37



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -218.238+/-1.000 χ^2/NDF:1584.4/20

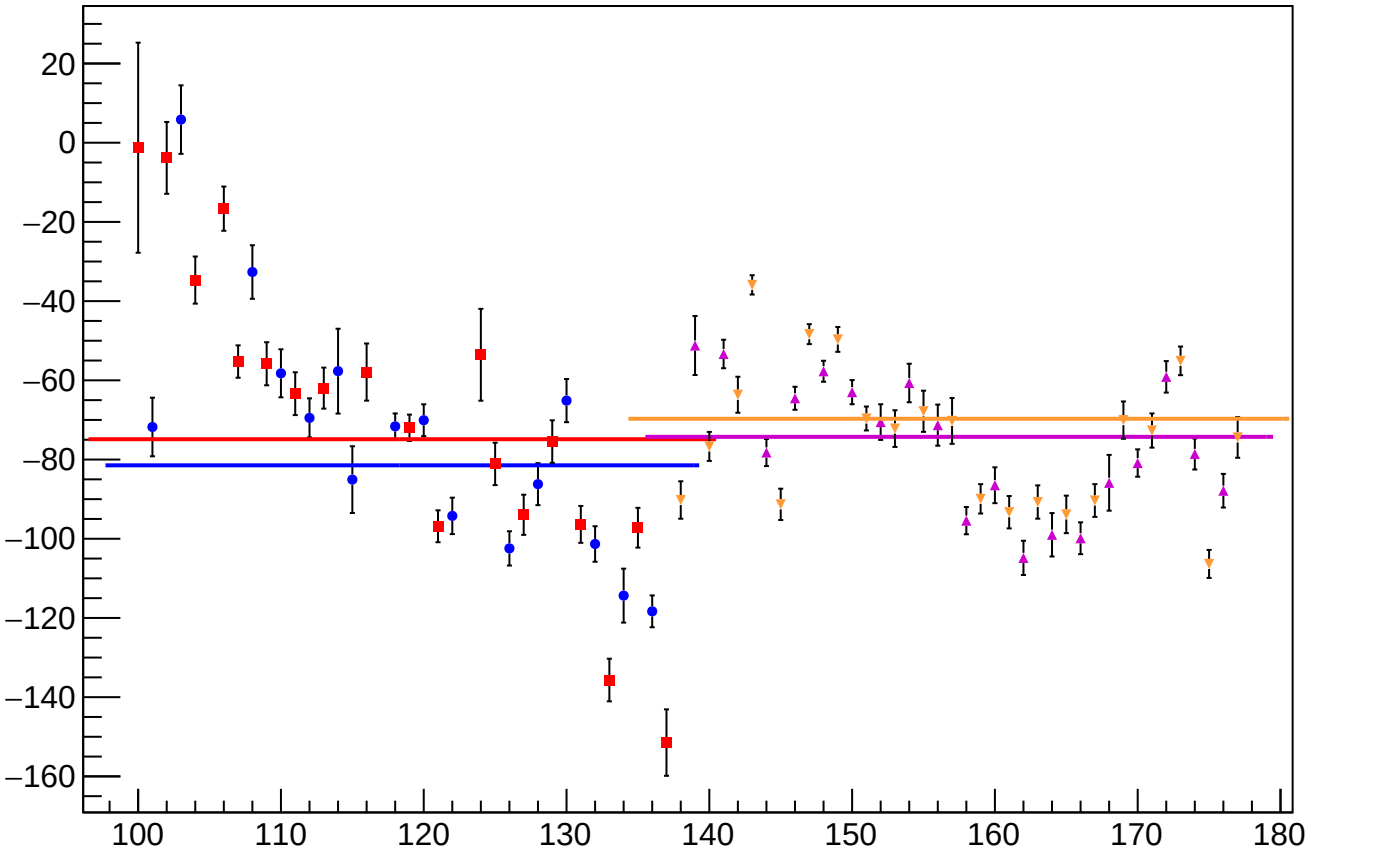
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -231.782+/-1.076 χ^2/NDF:738.0/18

\+ sign -226.563+/-0.780 χ^2/NDF: 2923.3/36

All: -226.279+/-0.556 χ^2/NDF: 6774.7/74

\- sign -225.984+/-0.794 χ^2/NDF: 3851.0/37



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.702+/-0.825 χ^2/NDF:624.4/20

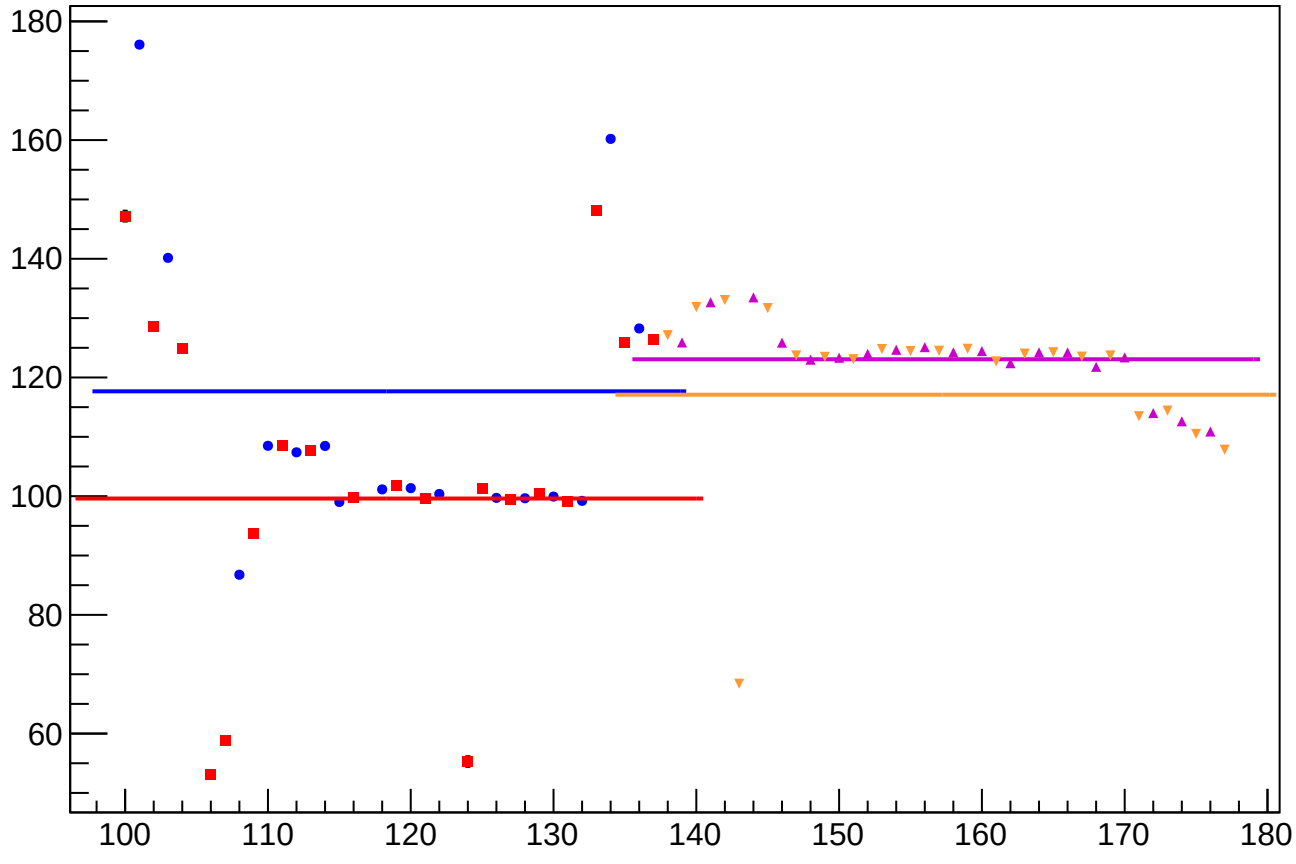
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

+ sign -73.128+/-0.695 χ^2/NDF: 1050.1/36

All: -73.772+/-0.501 χ^2/NDF: 1934.6/74

- sign -74.472+/-0.724 χ^2/NDF: 882.8/37



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.098+/-0.039 χ^2/NDF:203030.0/20

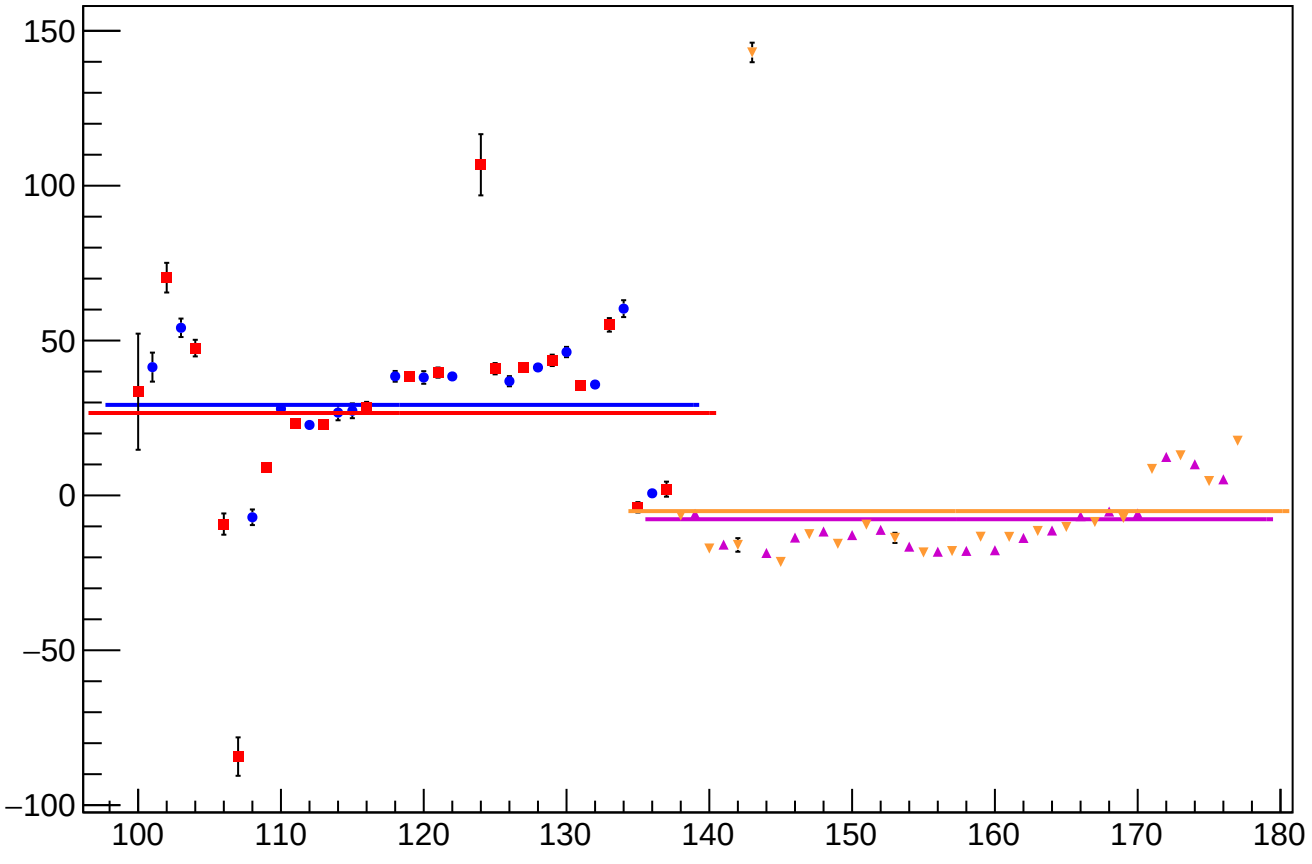
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

+ sign 117.211+/-0.035 χ^2/NDF: 298469.4/36

All: 117.181+/-0.025 χ^2/NDF: 566769.4/74

- sign 117.151+/-0.035 χ^2/NDF: 268298.6/37



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -5.071+/-0.310 χ^2/NDF:3514.6/20

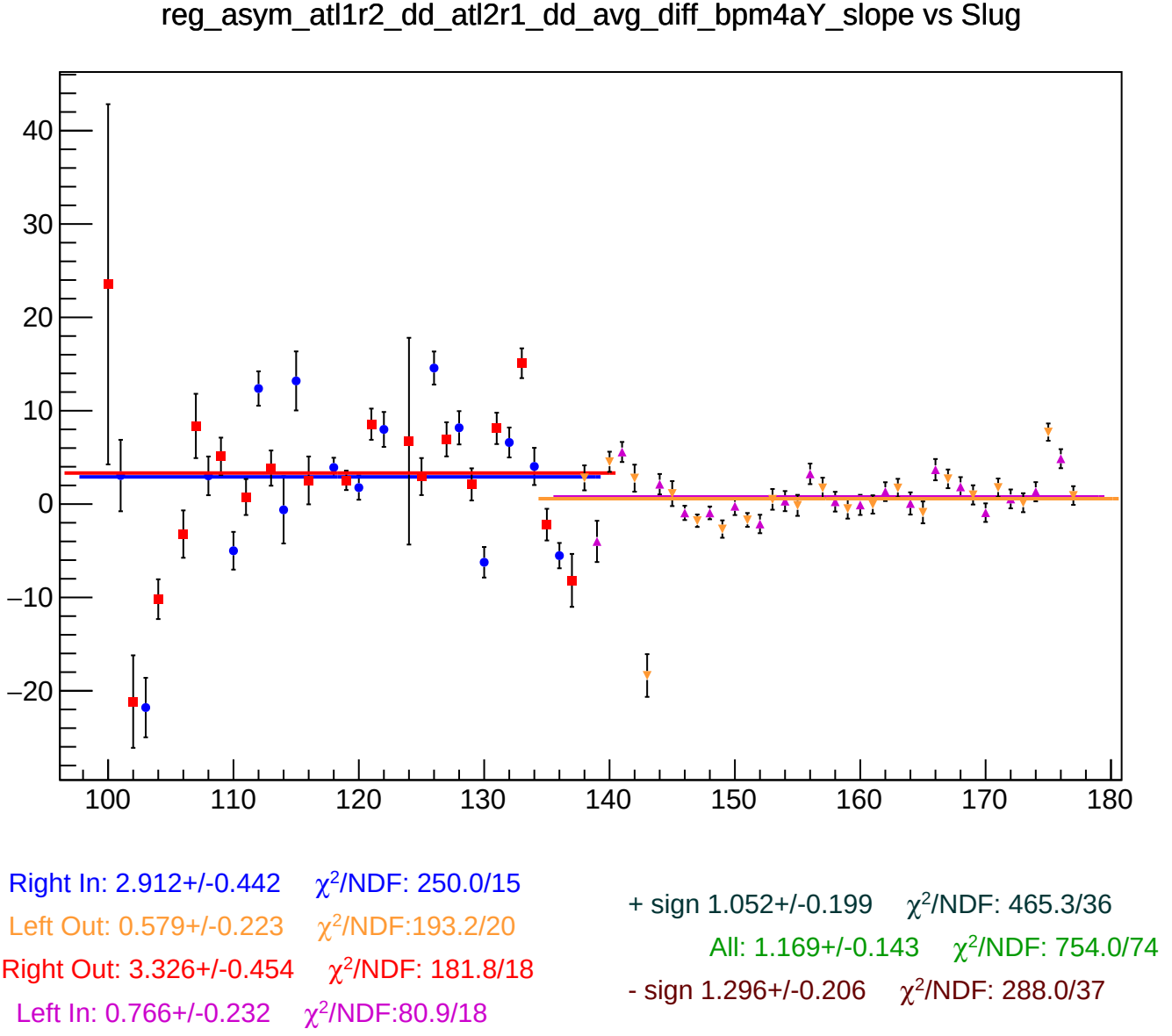
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

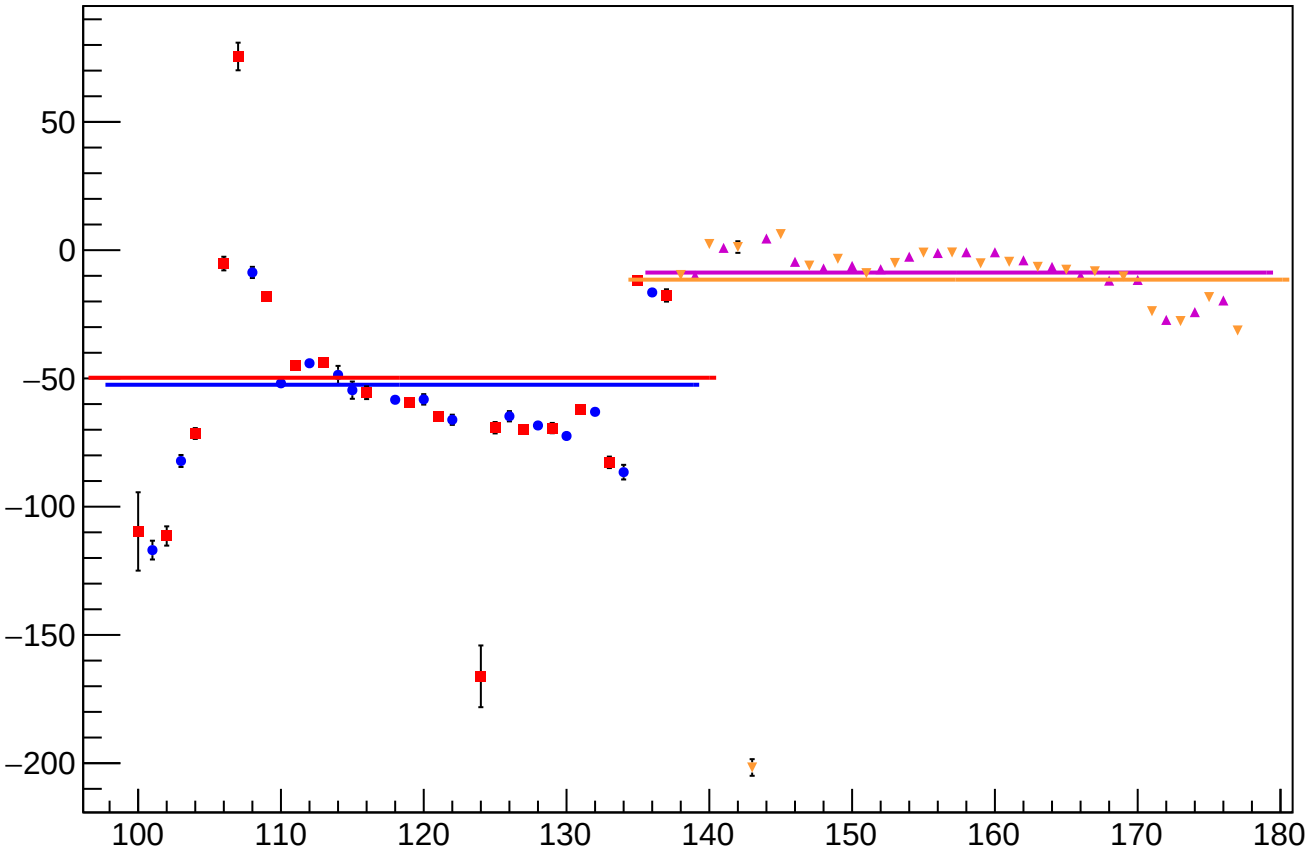
Left In: -7.692+/-0.317 χ^2/NDF:911.9/18

\+ sign 6.864+/-0.250 χ^2/NDF: 9119.0/36

All: 5.936+/-0.178 χ^2/NDF: 16302.8/74

\- sign 4.996+/-0.252 χ^2/NDF: 7156.0/37


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: 0.579+/-0.223 χ²/NDF:193.2/20
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.766+/-0.232 χ²/NDF:80.9/18
+ sign 1.052+/-0.199 χ²/NDF: 465.3/36
All: 1.169+/-0.143 χ²/NDF: 754.0/74
- sign 1.296+/-0.206 χ²/NDF: 288.0/37



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.492+/-0.305 χ^2/NDF:4489.0/20

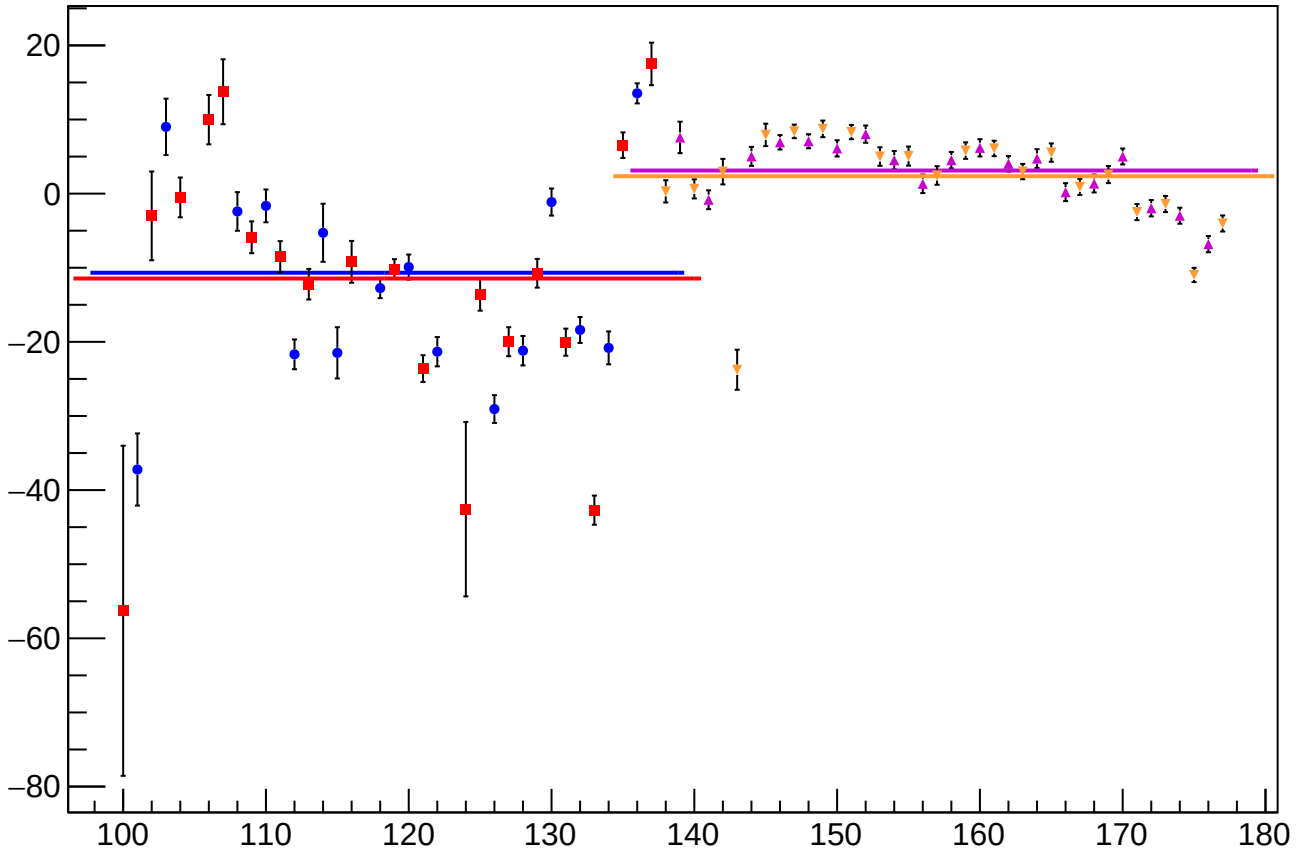
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -8.731+/-0.312 χ^2/NDF:694.5/18

+ sign -22.987+/-0.258 χ^2/NDF: 11896.1/36

All: -21.739+/-0.185 χ^2/NDF: 20569.9/74

- sign -20.435+/-0.264 χ^2/NDF: 8626.0/37



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.354+/-0.255 χ^2/NDF:523.6/20

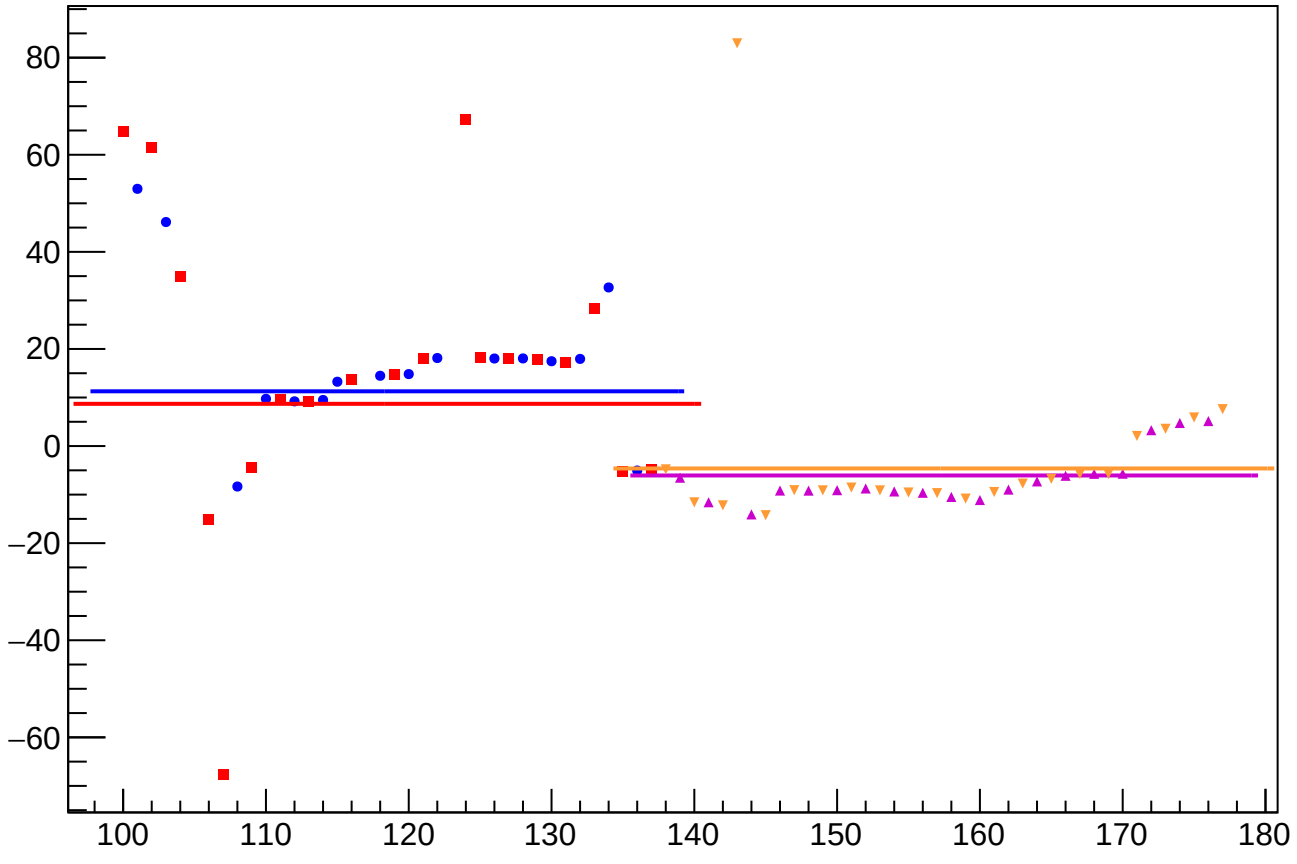
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.117+/-0.264 χ^2/NDF:234.9/18

\+ sign -0.281+/-0.227 χ^2/NDF: 1720.0/36

All: -0.103+/-0.163 χ^2/NDF: 3253.1/74

\- sign 0.088+/-0.235 χ^2/NDF: 1531.8/37



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -4.616+/-0.011 χ^2/NDF:725264.1/20

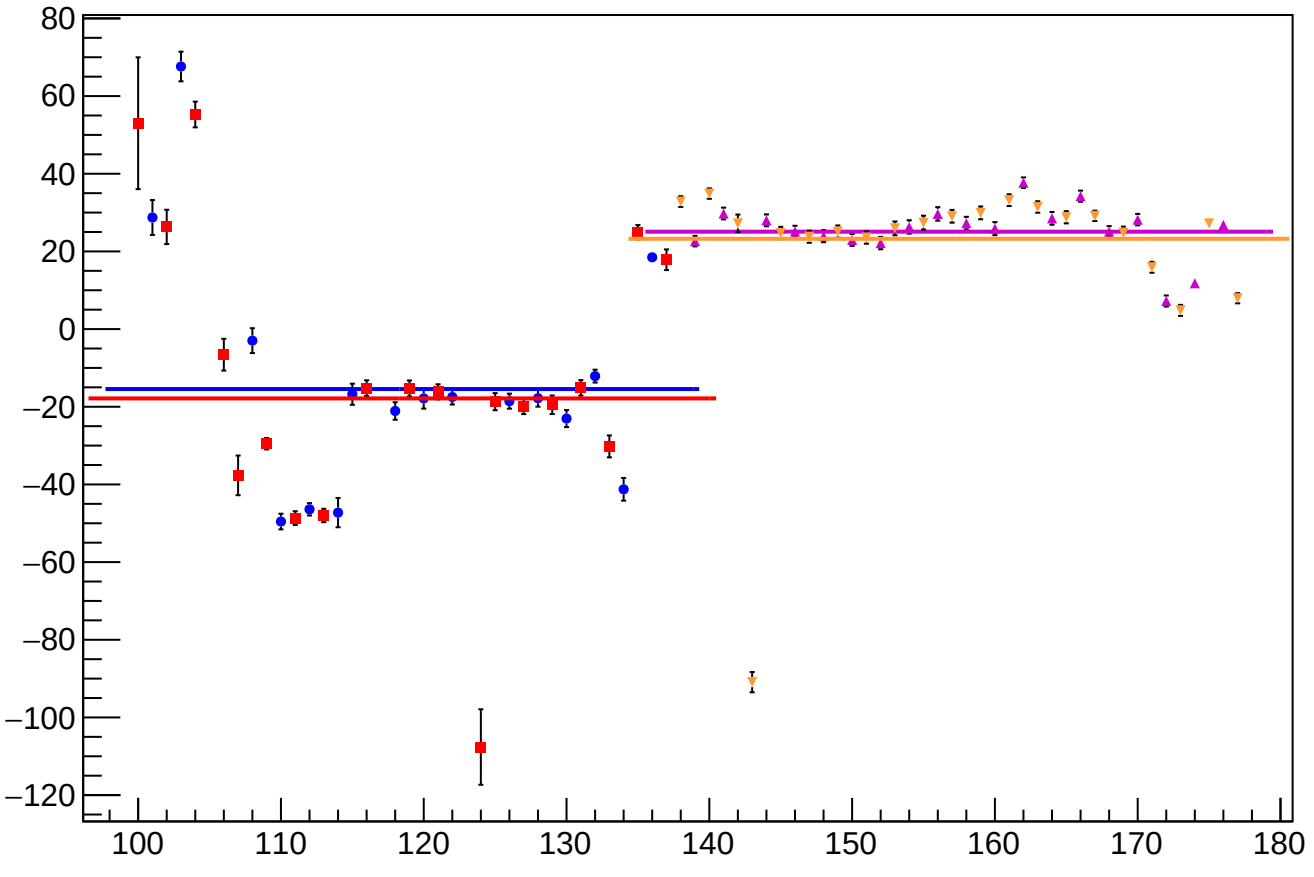
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.059+/-0.012 χ^2/NDF:228974.4/18

+ sign -2.589+/-0.011 χ^2/NDF: 1320735.4/36

All: -3.431+/-0.008 χ^2/NDF: 2192753.0/74

- sign -4.300+/-0.011 χ^2/NDF: 859394.5/37



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.253+/-0.331 χ^2/NDF:2529.0/20

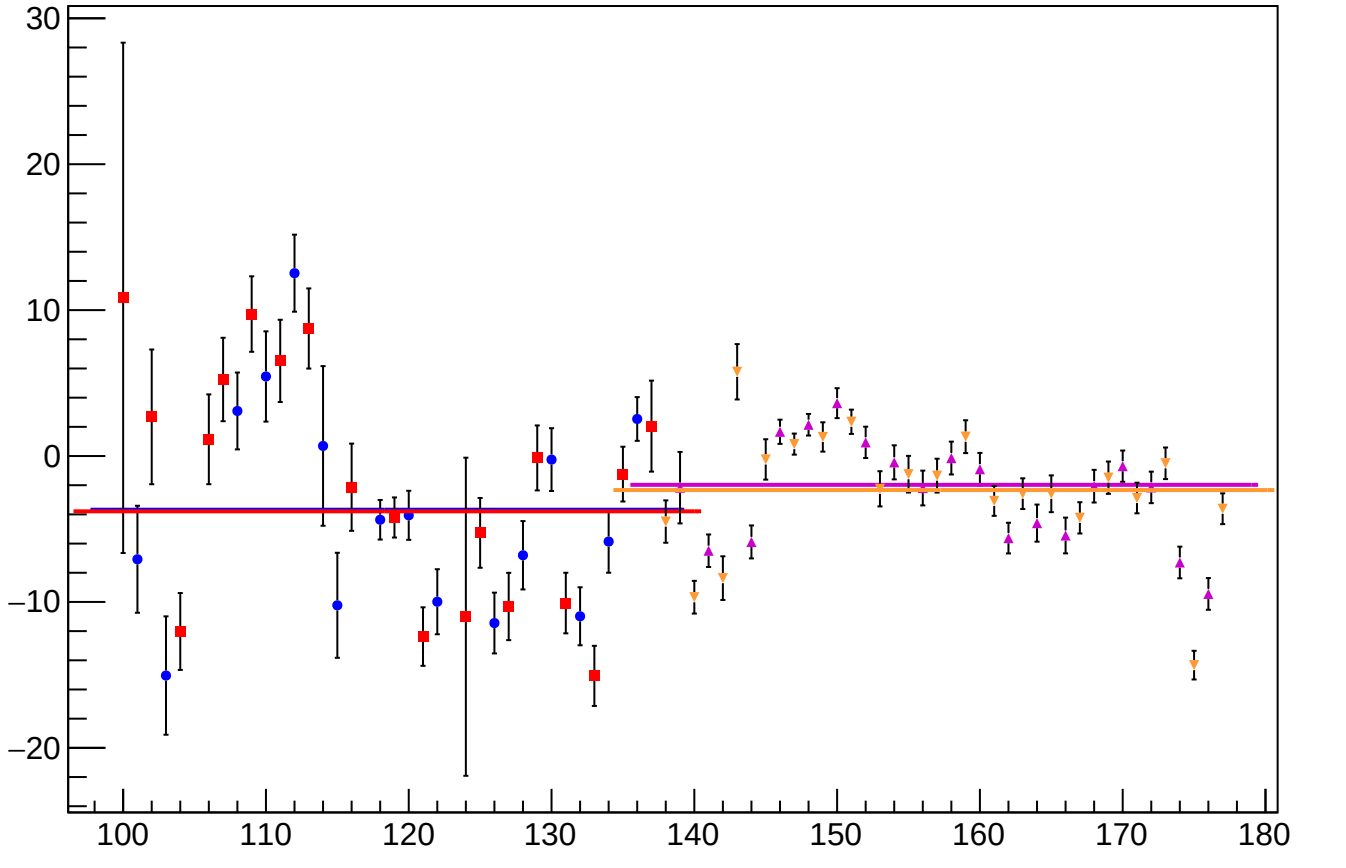
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

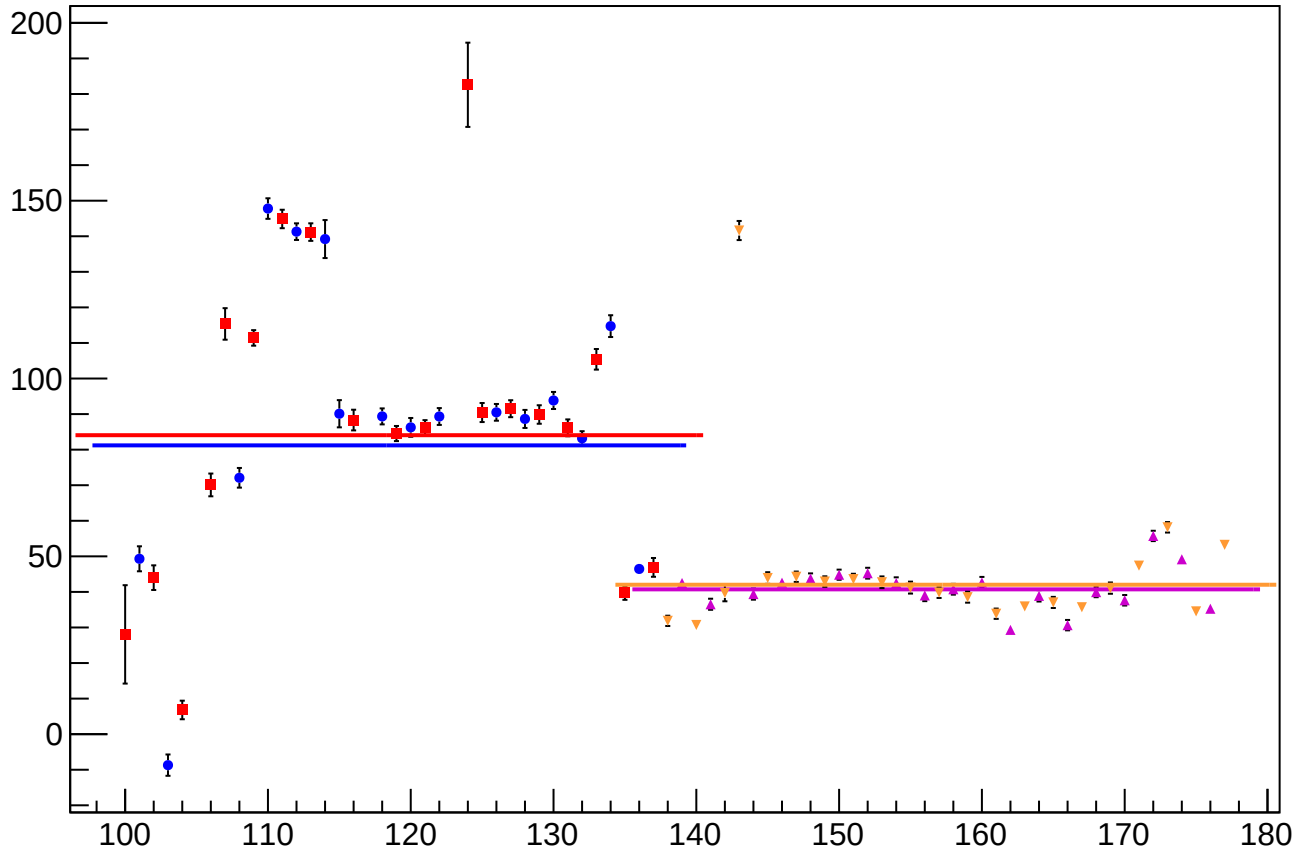
Left In: 25.084+/-0.339 χ^2/NDF:442.4/18

+ sign 12.677+/-0.282 χ^2/NDF: 8396.9/36

All: 12.630+/-0.201 χ^2/NDF: 15621.9/74

- sign 12.582+/-0.286 χ^2/NDF: 7224.9/37


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -2.332+/-0.238 χ²/NDF:315.7/20
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -1.974+/-0.248 χ²/NDF:218.1/18
+ sign -2.544+/-0.219 χ²/NDF: 444.7/36
All: -2.411+/-0.158 χ²/NDF: 833.5/74
- sign -2.268+/-0.227 χ²/NDF: 388.0/37



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.017+/-0.325 χ^2/NDF:1848.7/20

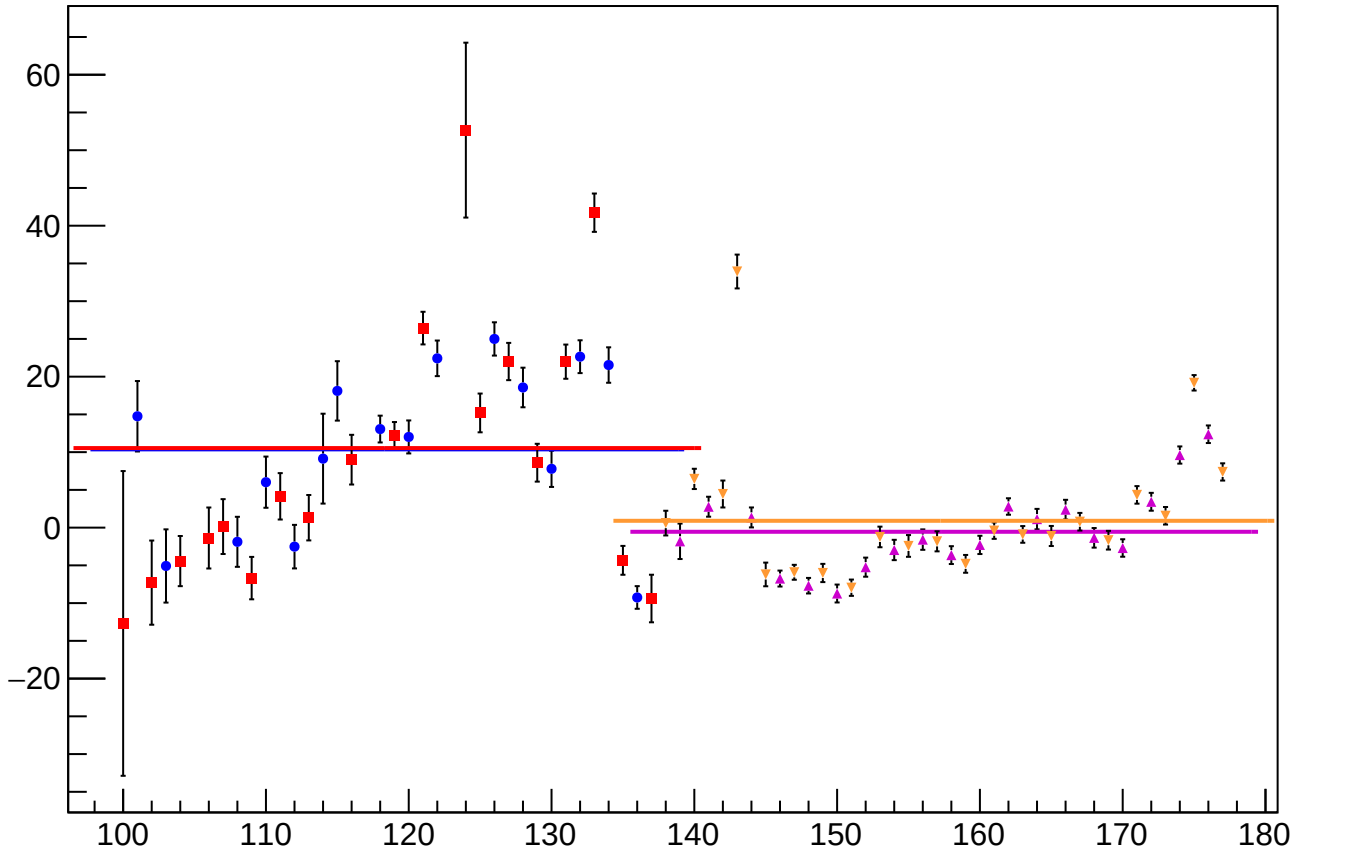
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.717+/-0.334 χ^2/NDF:333.6/18

\+ sign 50.752+/-0.287 χ^2/NDF: 8317.2/36

All: 50.662+/-0.205 χ^2/NDF: 15680.8/74

\- sign 50.567+/-0.294 χ^2/NDF: 7363.4/37



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.905+/-0.272 χ^2/NDF:812.6/20

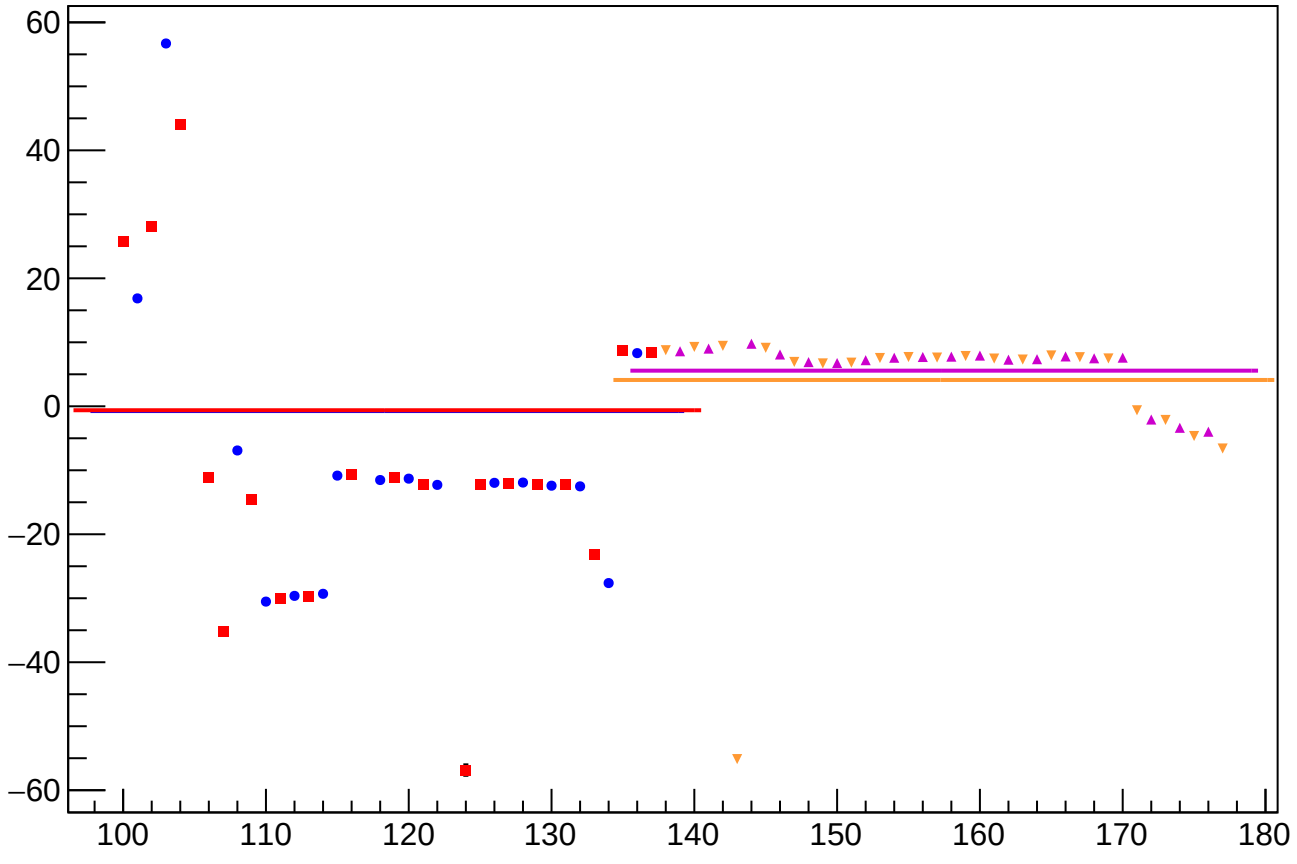
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -0.550+/-0.282 χ^2/NDF:399.0/18

\+ sign 2.404+/-0.249 χ^2/NDF: 1364.3/36

All: 1.851+/-0.179 χ^2/NDF: 2495.4/74

\- sign 1.257+/-0.258 χ^2/NDF: 1120.8/37



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.113+/-0.012 χ^2/NDF:458760.1/20

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

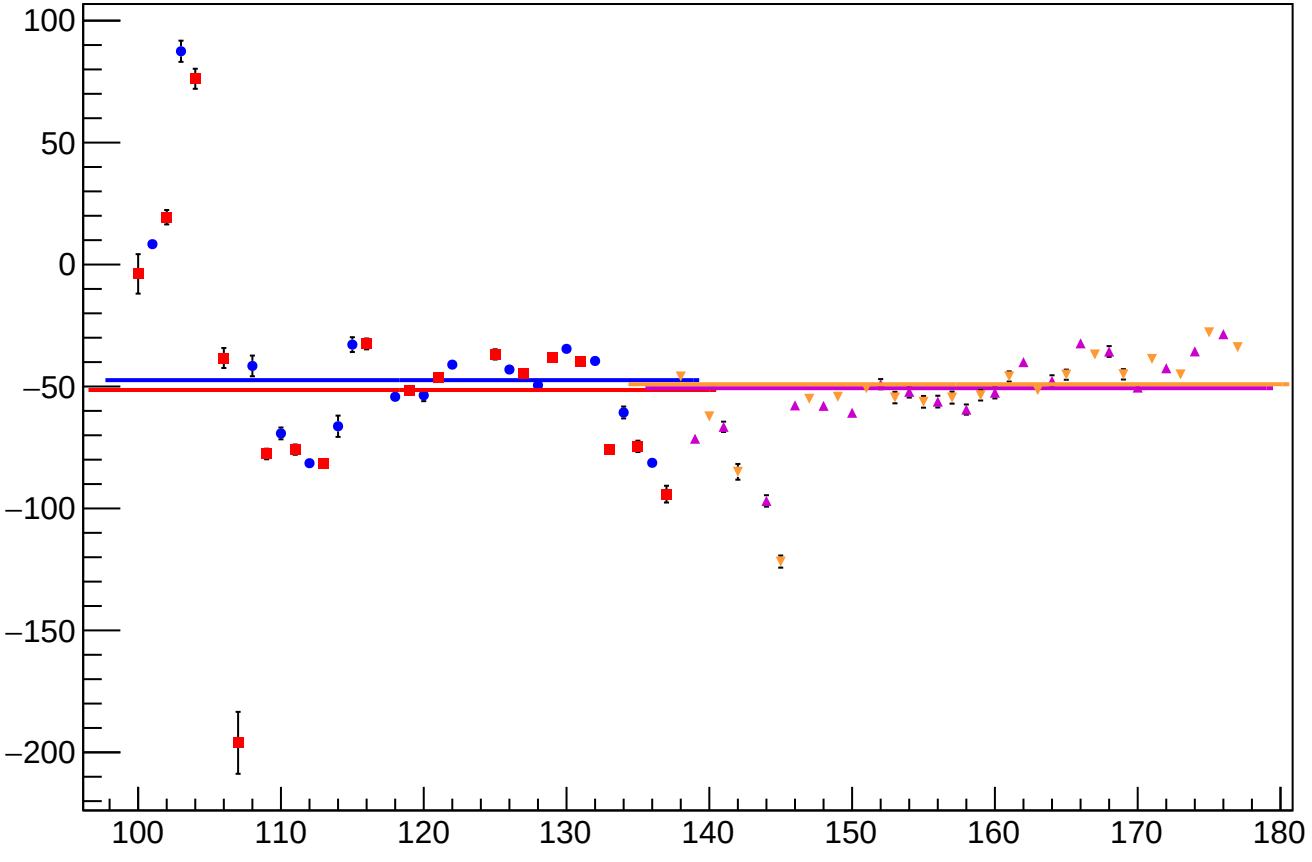
Left In: 5.569+/-0.012 χ^2/NDF:127182.5/18

+ sign 3.607+/-0.012 χ^2/NDF: 843179.4/36

All: 4.271+/-0.008 χ^2/NDF: 1318276.3/74

- sign 4.956+/-0.012 χ^2/NDF: 468418.1/37

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -49.075+/-0.444 χ^2/NDF:1468.2/19

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

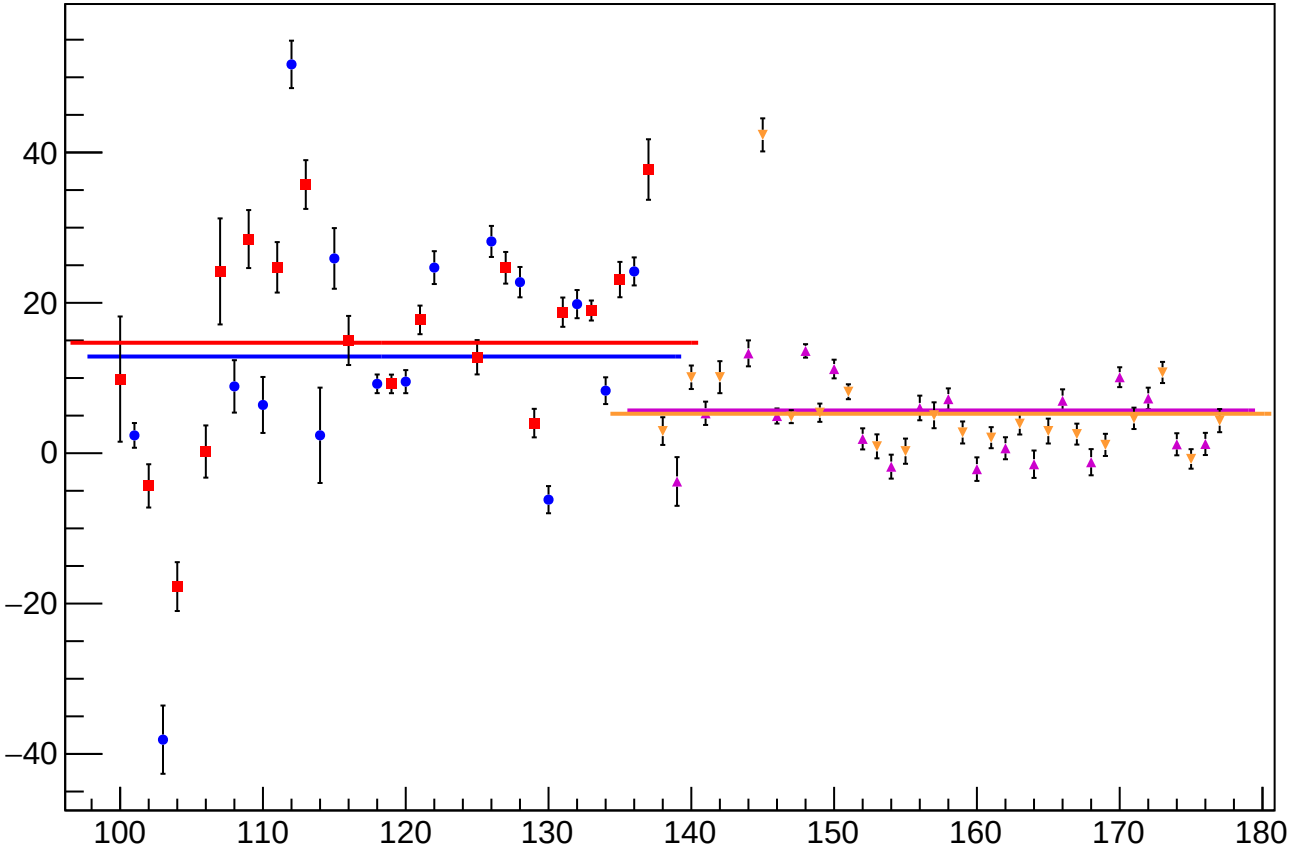
Left In: -50.695+/-0.453 χ^2/NDF:1133.4/18

+ sign -48.391+/-0.342 χ^2/NDF: 4243.0/35

All: -49.671+/-0.244 χ^2/NDF: 8278.9/72

- sign -51.000+/-0.348 χ^2/NDF: 4007.3/36

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.248+/-0.315 χ^2/NDF:385.7/19

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

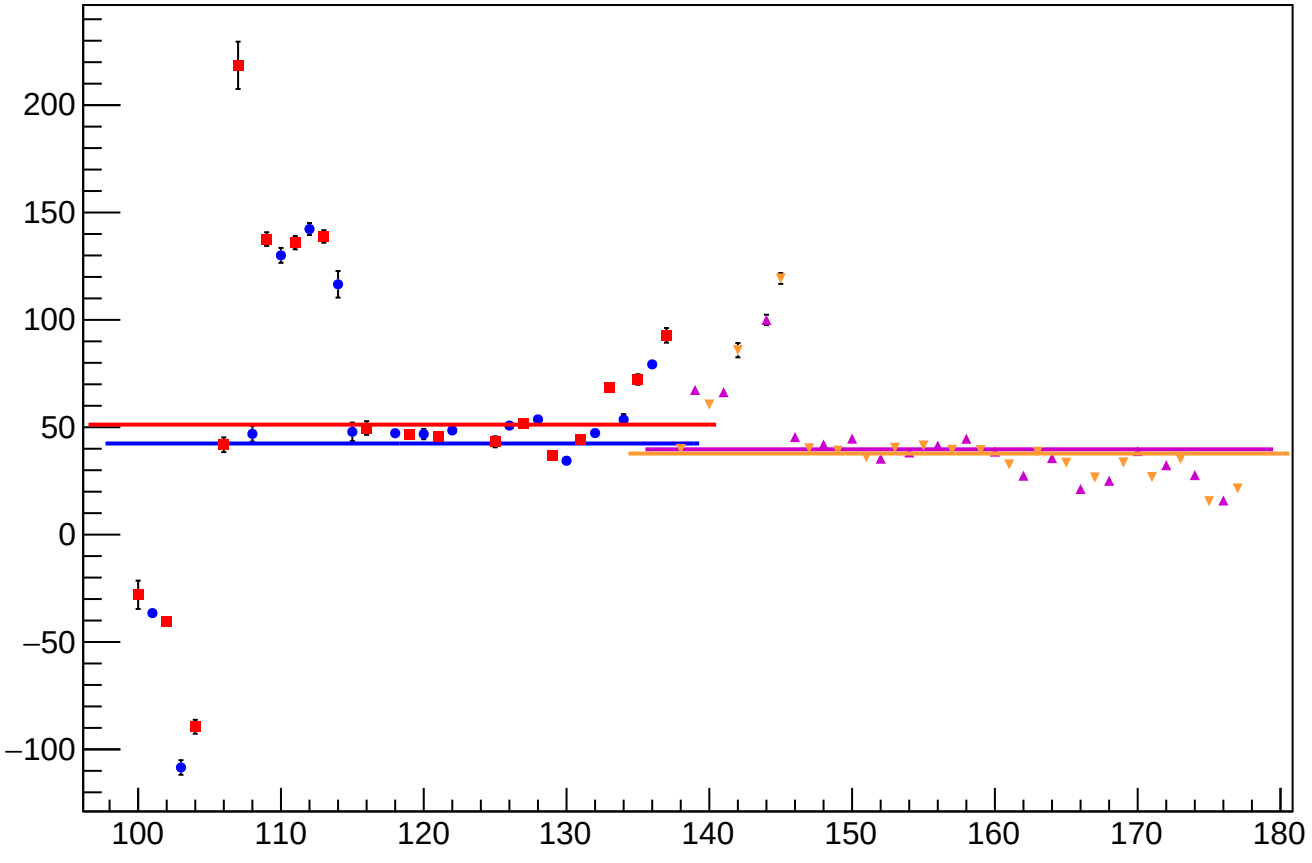
Left In: 5.686+/-0.326 χ^2/NDF:256.0/18

+ sign 7.300+/-0.269 χ^2/NDF: 1168.5/35

All: 7.666+/-0.194 χ^2/NDF: 1994.0/72

- sign 8.061+/-0.280 χ^2/NDF: 821.7/36

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 37.757+/-0.436 χ^2/NDF:1835.5/19

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

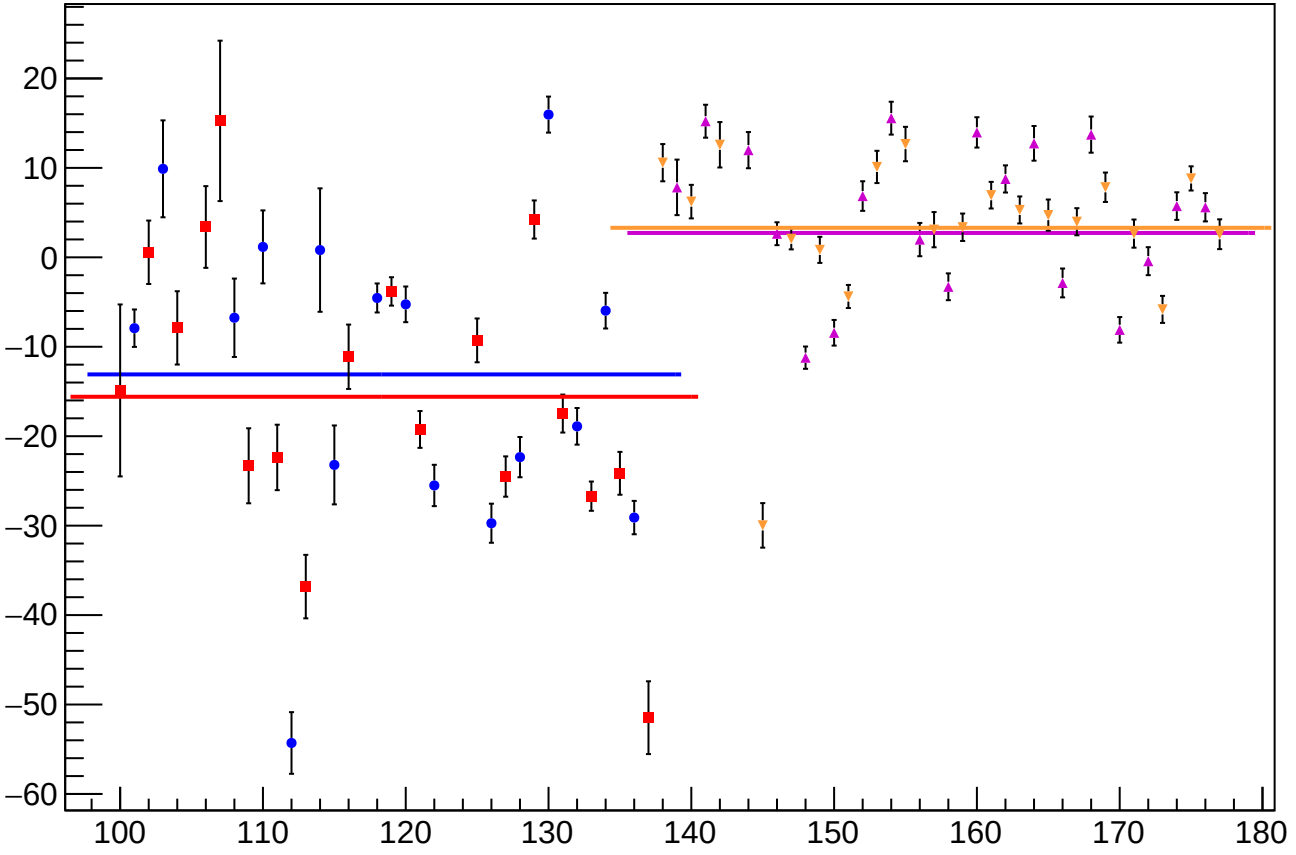
Left In: 39.727+/-0.445 χ^2/NDF:1497.6/18

\+ sign 39.431+/-0.349 χ^2/NDF: 9045.6/35

All: 41.489+/-0.251 χ^2/NDF: 17455.7/72

\- sign 43.677+/-0.360 χ^2/NDF: 8338.6/36

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.301+/-0.362 χ^2/NDF:353.6/19

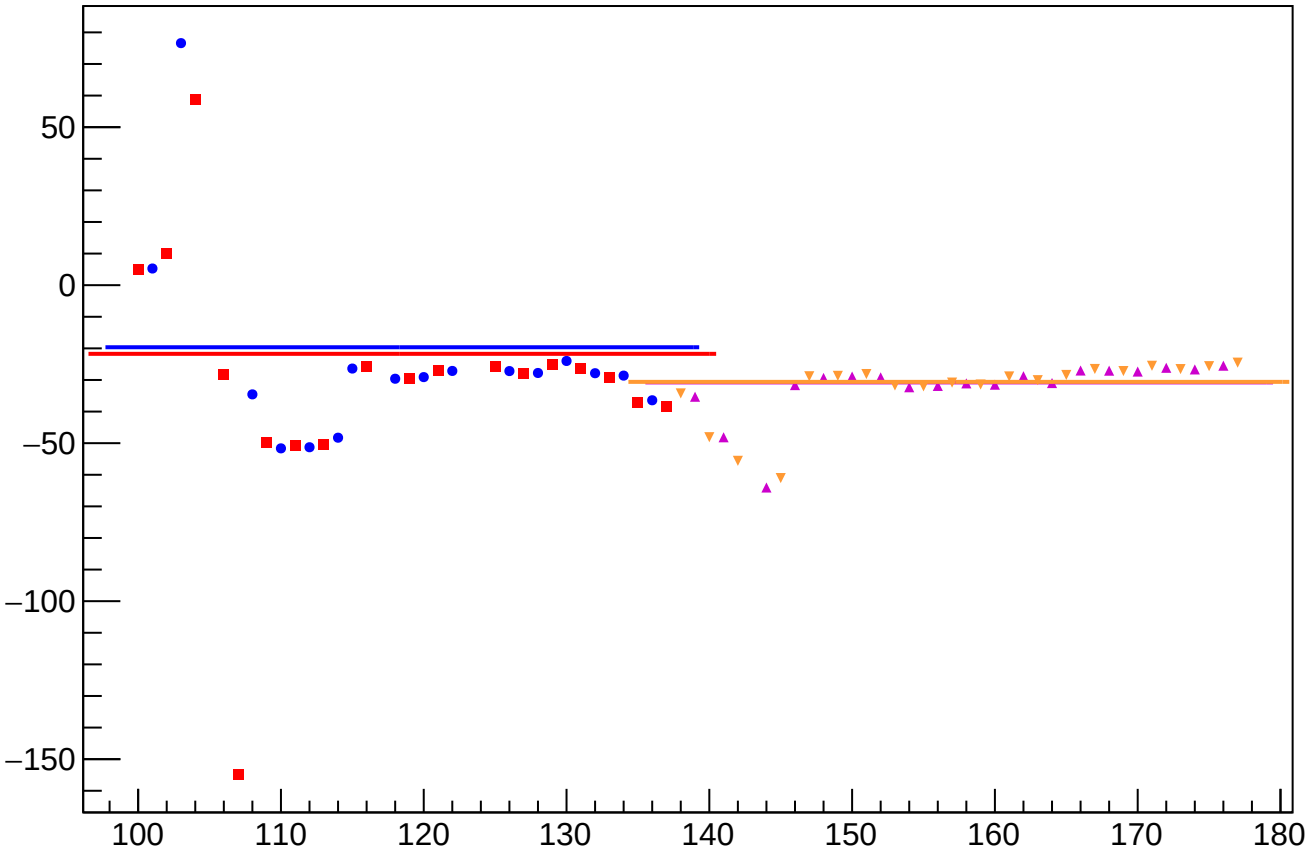
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.724+/-0.373 χ^2/NDF:523.1/18

+ sign -1.070+/-0.310 χ^2/NDF: 1541.3/35

All: -1.553+/-0.223 χ^2/NDF: 3101.3/72

- sign -2.072+/-0.321 χ^2/NDF: 1555.0/36



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.599+/-0.016 χ^2/NDF:206097.0/19

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

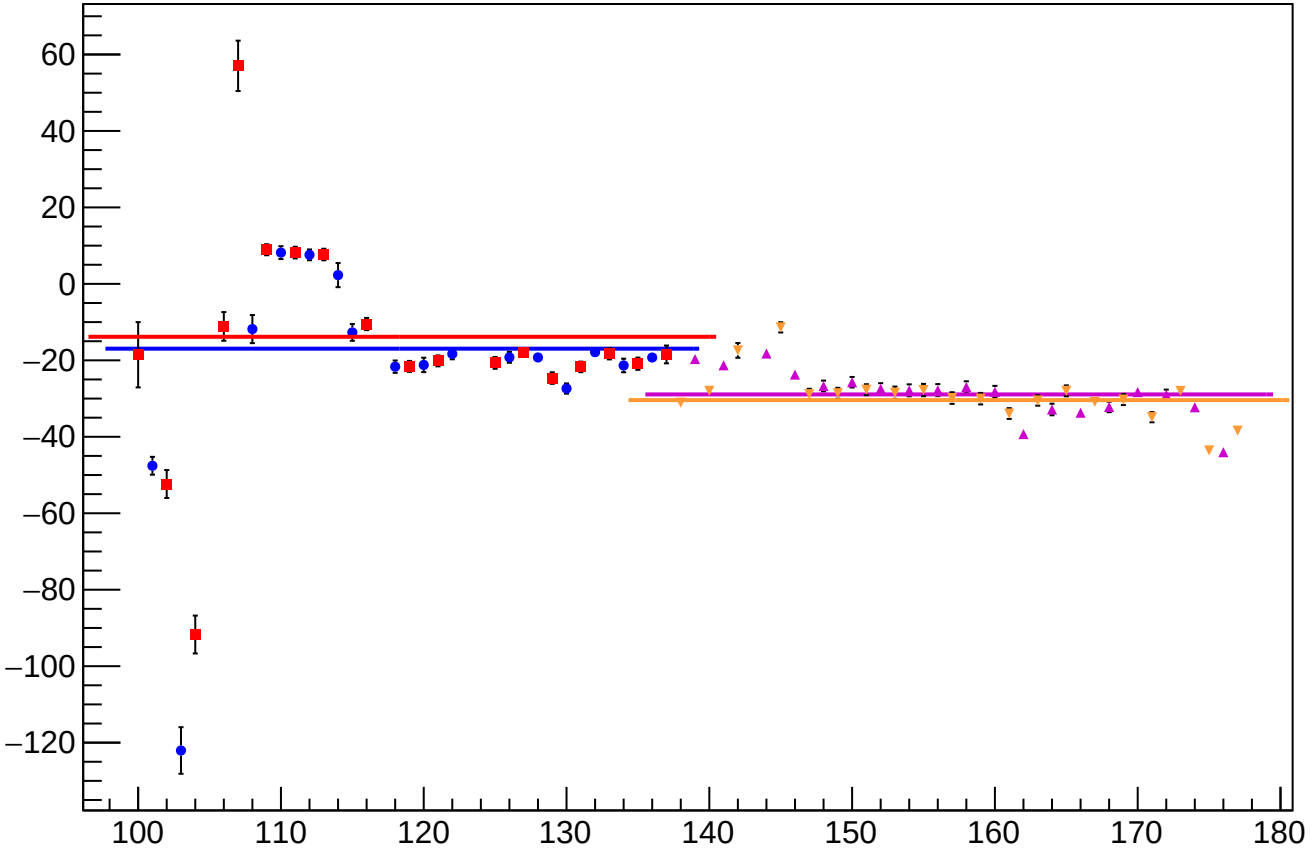
Left In: -30.775+/-0.017 χ^2/NDF:164043.9/18

\+ sign -28.711+/-0.015 χ^2/NDF: 929193.3/35

All: -29.043+/-0.011 χ^2/NDF: 1686683.5/72

\- sign -29.386+/-0.015 χ^2/NDF: 756494.1/36

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -30.404+/-0.303 χ^2/NDF:510.4/19

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

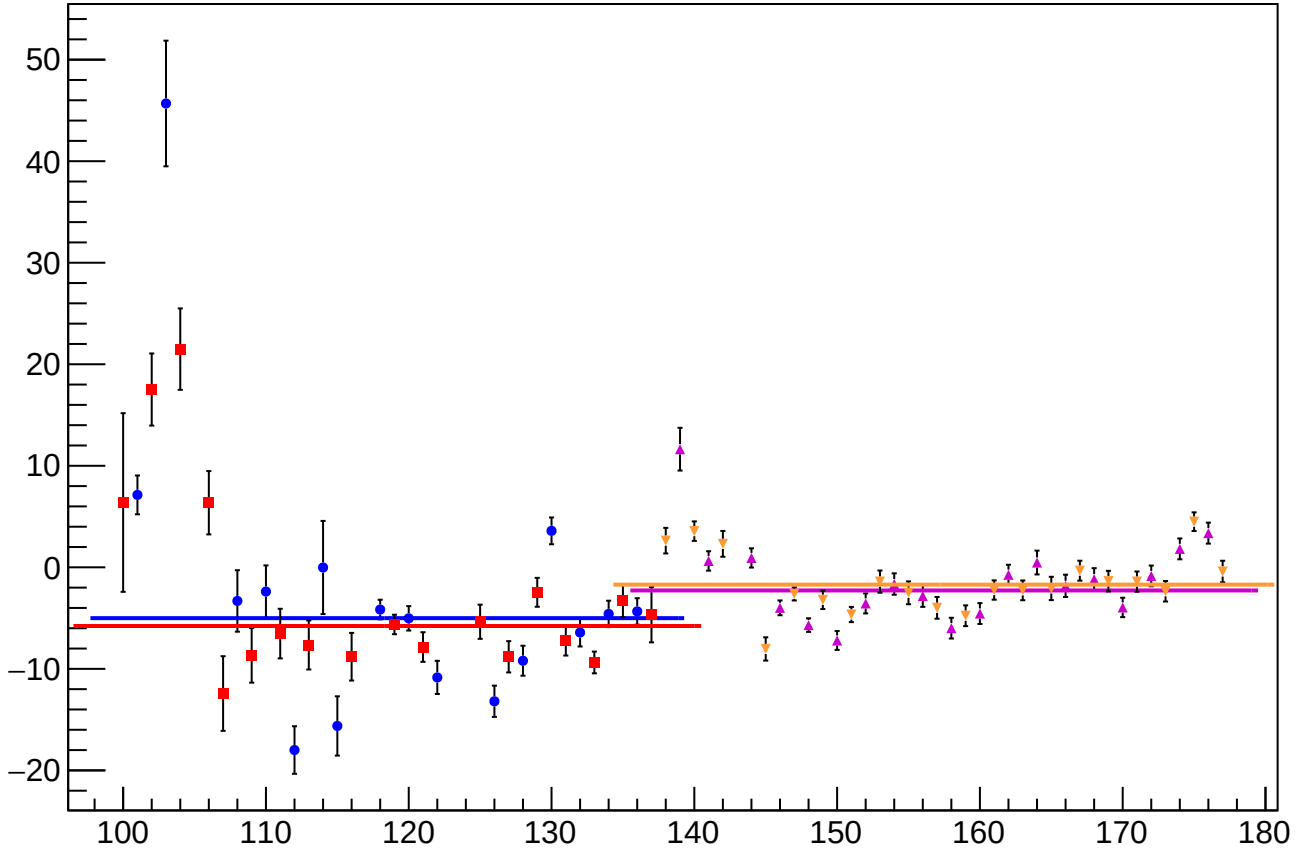
Left In: -28.915+/-0.308 χ^2/NDF:472.1/18

+ sign -25.553+/-0.243 χ^2/NDF: 2348.3/35

All: -24.523+/-0.173 χ^2/NDF: 5056.9/72

- sign -23.462+/-0.246 χ^2/NDF: 2672.0/36

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.703+/-0.219 χ^2/NDF:167.0/19

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

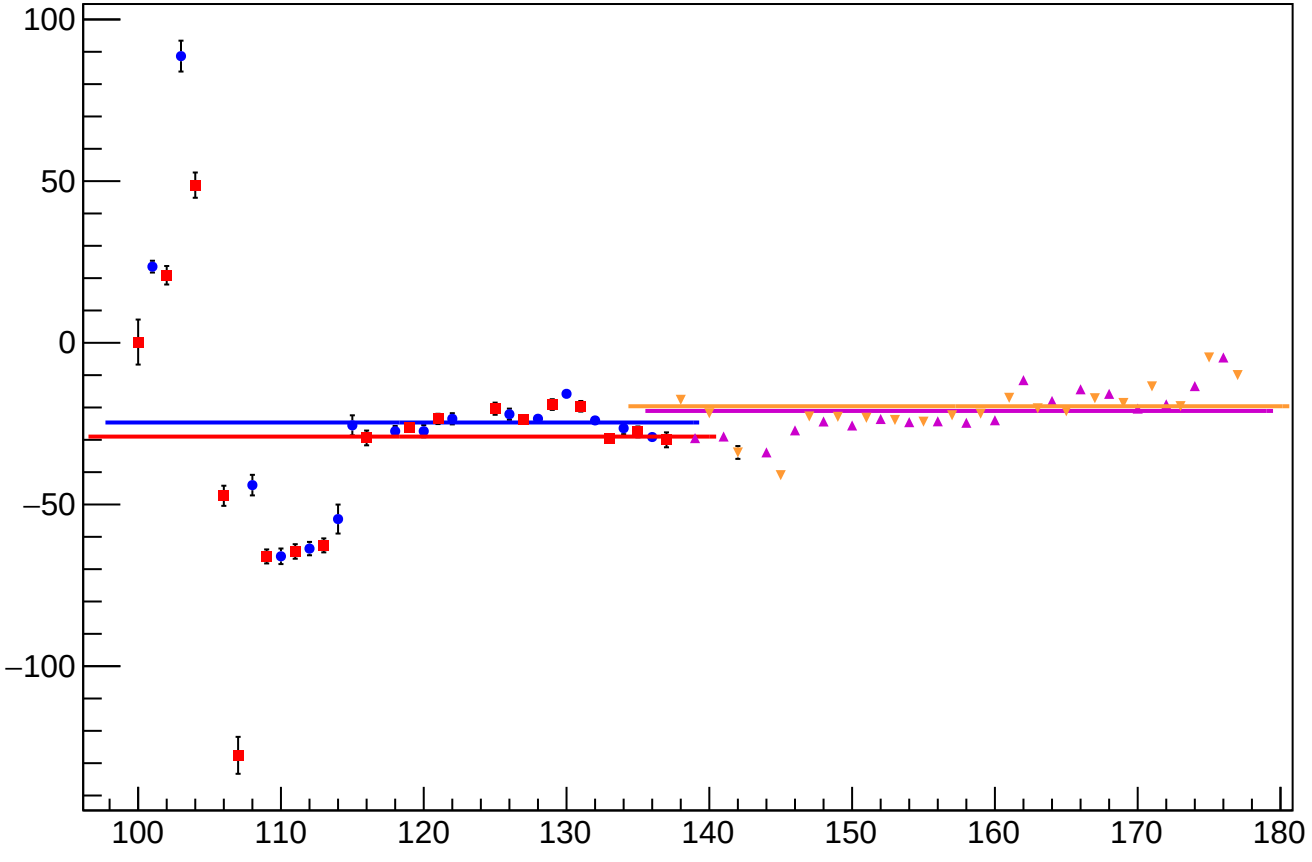
Left In: -2.278+/-0.225 χ^2/NDF:204.4/18

+ sign -2.459+/-0.192 χ^2/NDF: 467.0/35

All: -2.750+/-0.138 χ^2/NDF: 869.6/72

- sign -3.059+/-0.198 χ^2/NDF: 397.9/36

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -19.617+/-0.298 χ^2/NDF:676.4/19

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

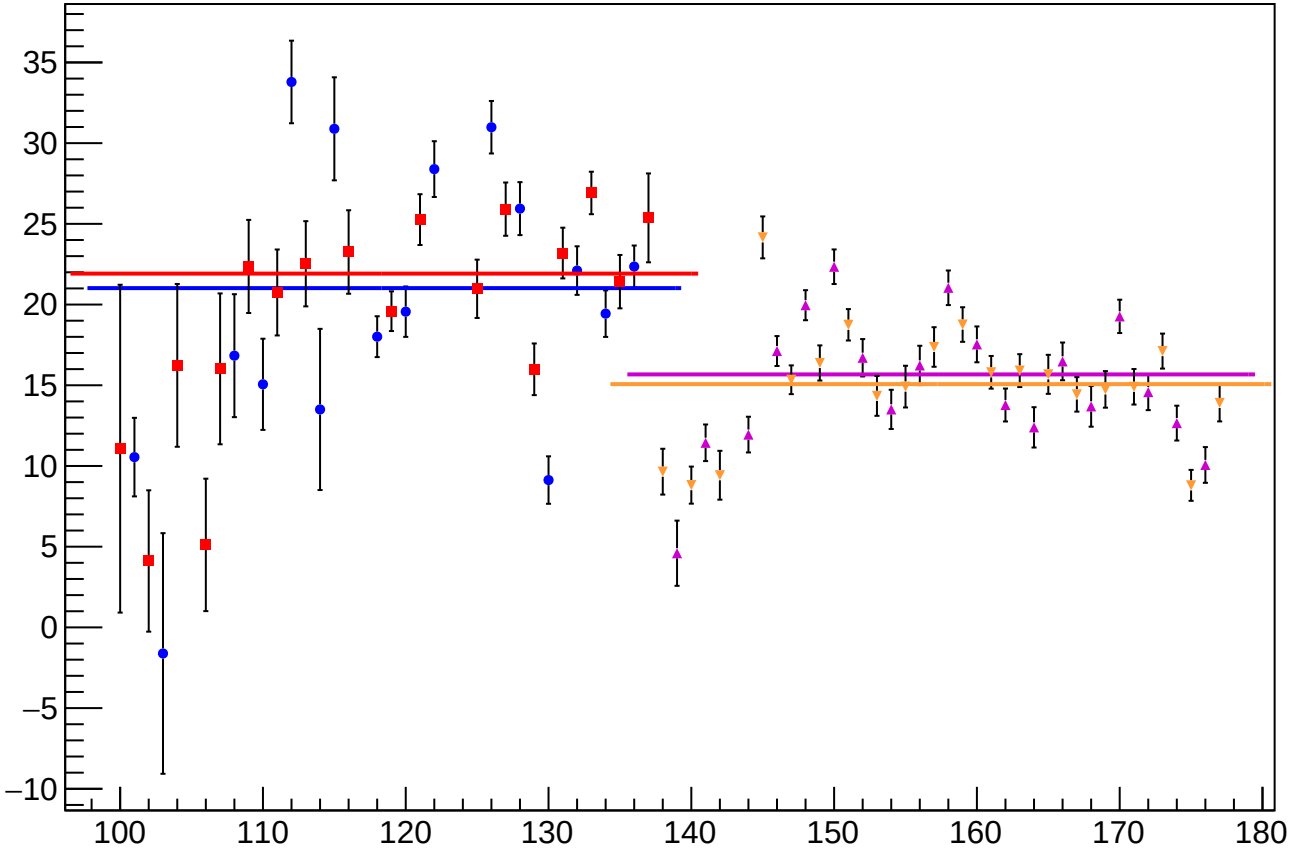
Left In: -21.069+/-0.303 χ^2/NDF:605.0/18

\+ sign -21.127+/-0.249 χ^2/NDF: 2813.6/35

All: -22.219+/-0.179 χ^2/NDF: 5608.2/72

\- sign -23.365+/-0.256 χ^2/NDF: 2755.3/36

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.071+/-0.250 χ^2/NDF:188.1/19

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

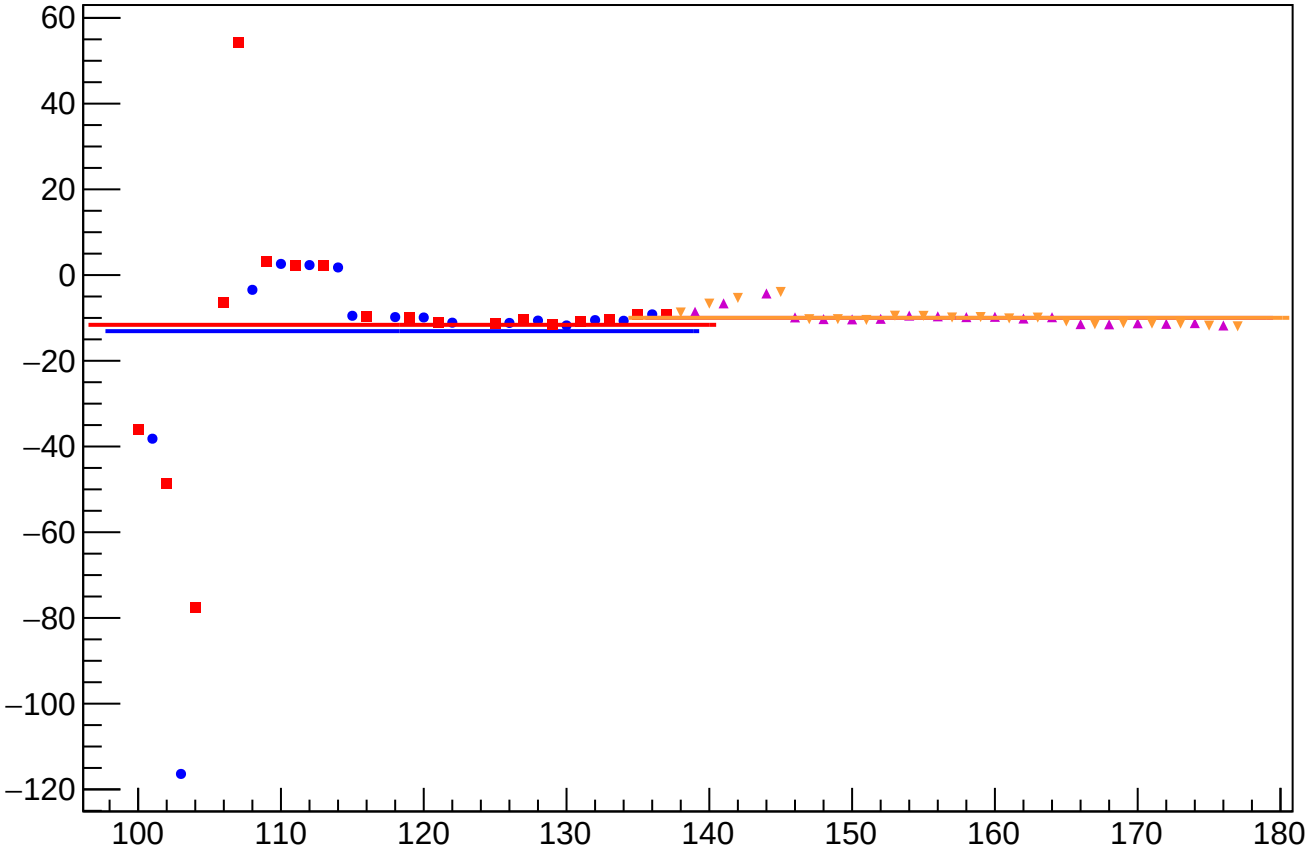
Left In: 15.673+/-0.257 χ^2/NDF:209.8/18

+ sign 16.433+/-0.219 χ^2/NDF: 527.7/35

All: 16.741+/-0.157 χ^2/NDF: 956.4/72

- sign 17.068+/-0.226 χ^2/NDF: 424.7/36

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.973+/-0.011 χ^2/NDF:27948.0/19

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

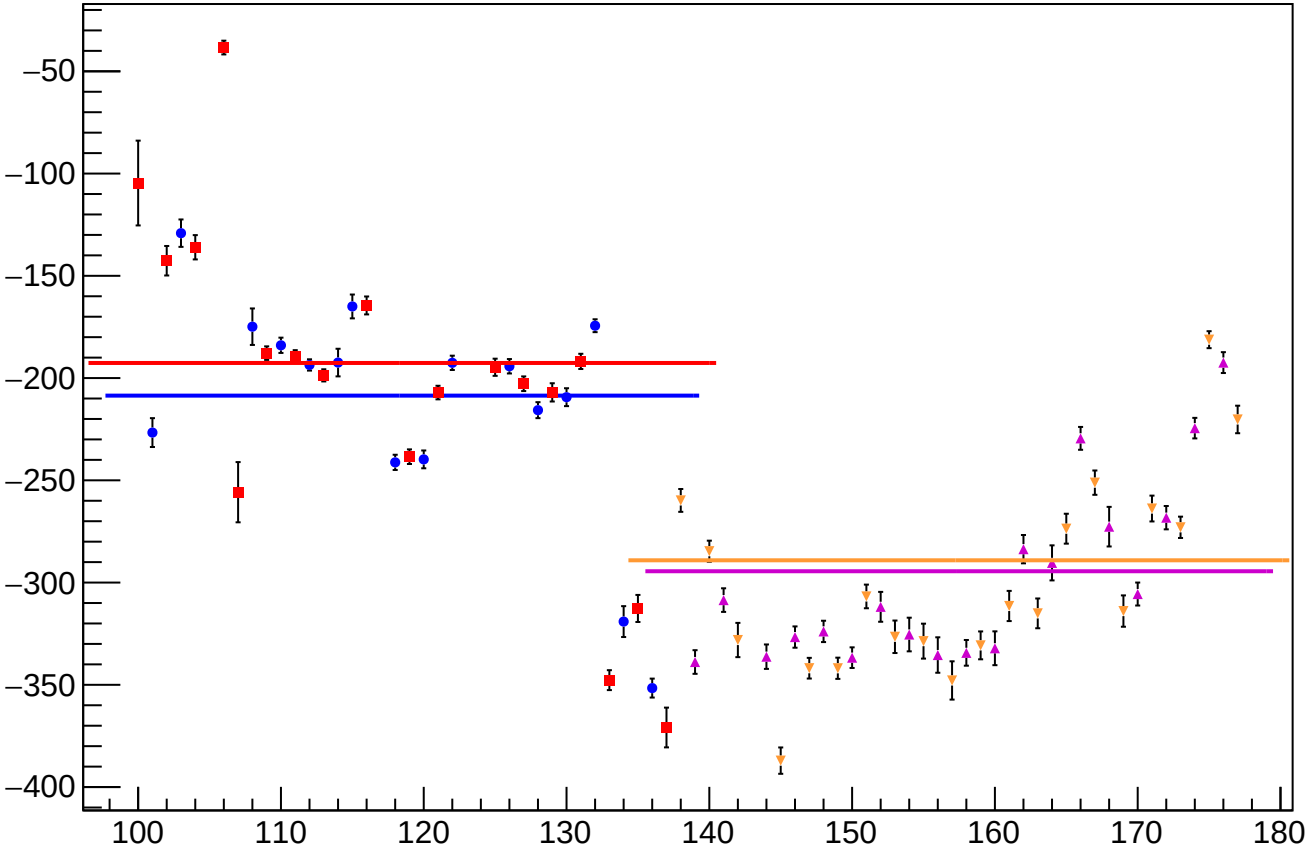
Left In: -9.996+/-0.011 χ^2/NDF:20329.3/18

+ sign -10.394+/-0.010 χ^2/NDF: 383270.5/35

All: -10.291+/-0.007 χ^2/NDF: 720388.5/72

- sign -10.186+/-0.011 χ^2/NDF: 336921.5/36

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -289.113+/-1.387 χ^2/NDF:1507.4/19

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

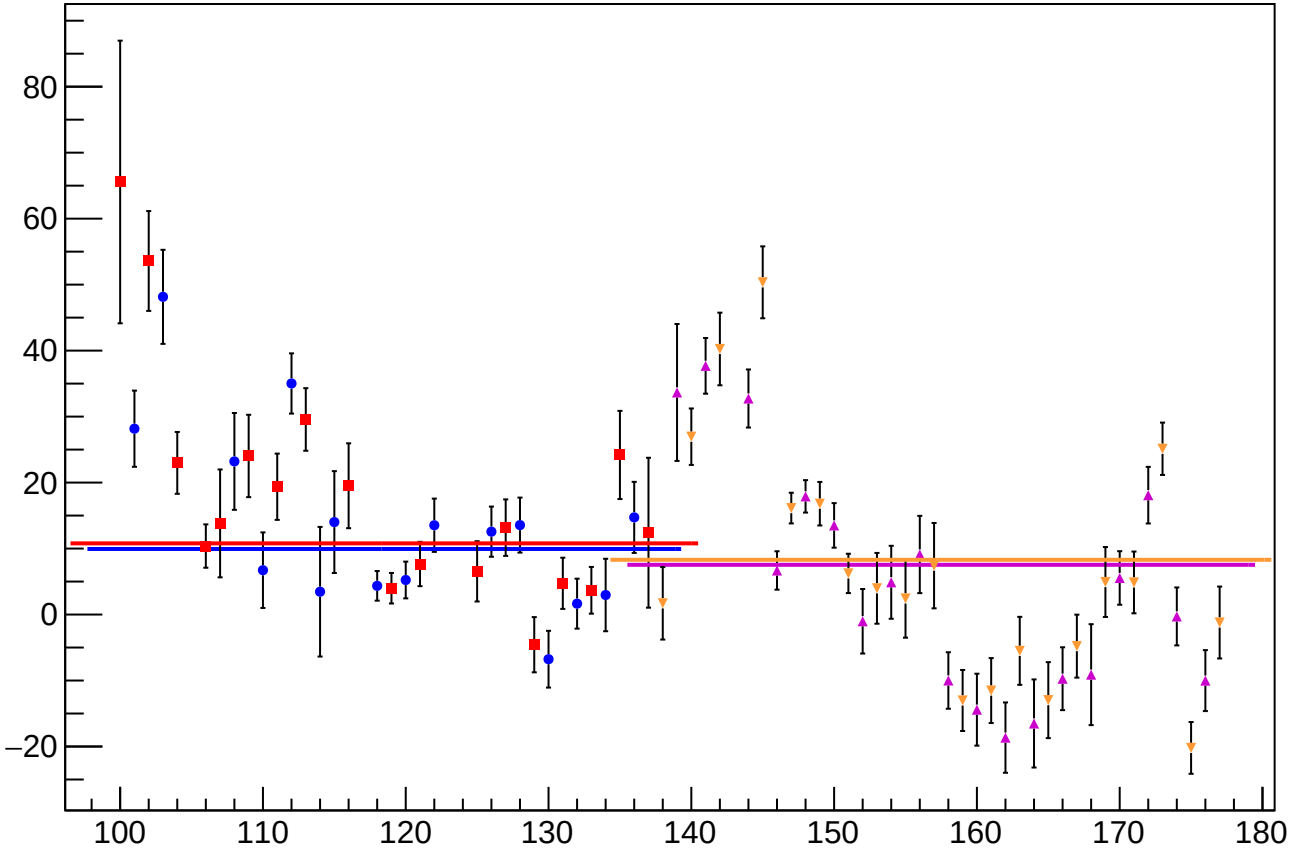
Left In: -294.464+/-1.407 χ^2/NDF:1119.5/18

+ sign -238.515+/-0.845 χ^2/NDF: 5377.4/35

All: -232.415+/-0.587 χ^2/NDF: 14289.1/72

- sign -226.754+/-0.814 χ^2/NDF: 8811.3/36

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 8.301+/-0.965 χ^2/NDF:274.5/19

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

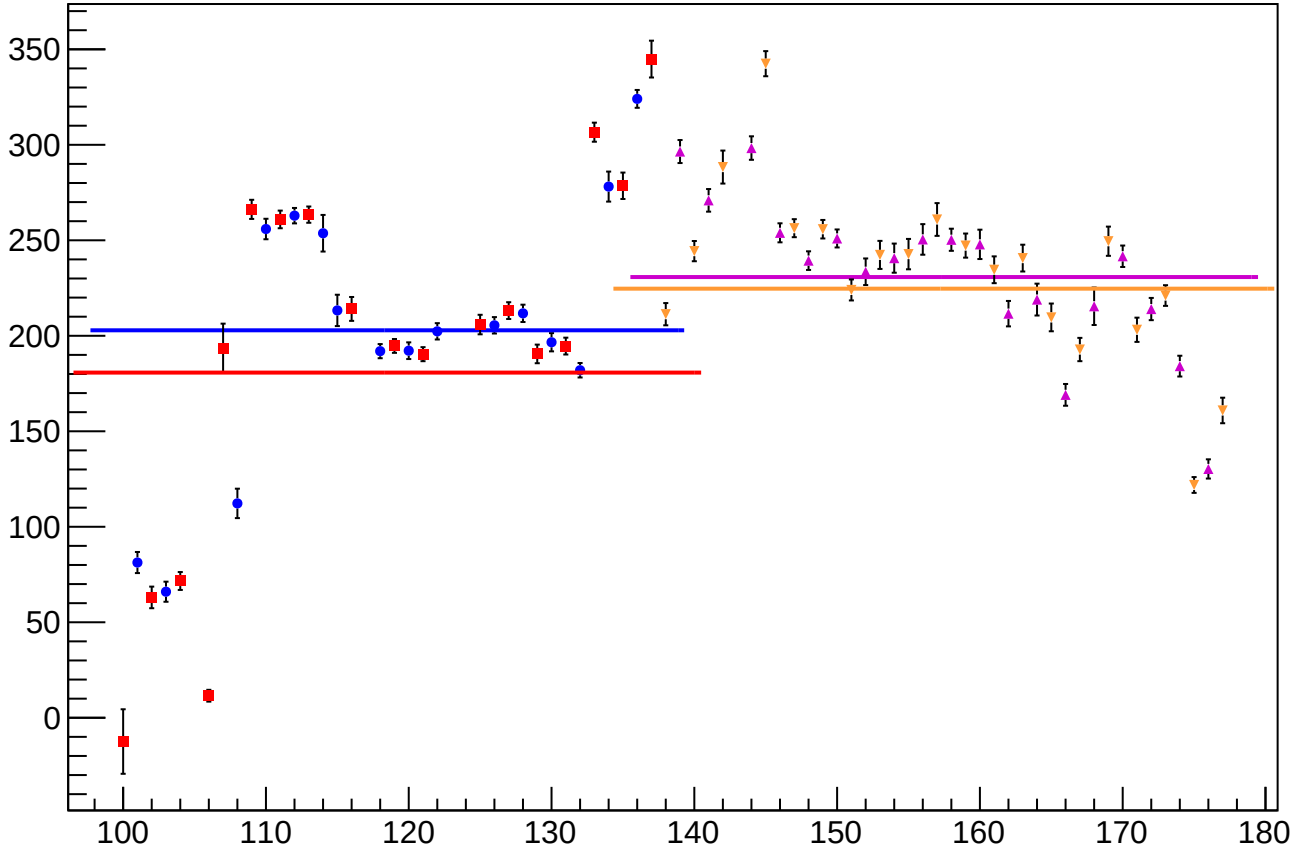
Left In: 7.539+/-0.993 χ^2/NDF:226.6/18

+ sign 9.038+/-0.715 χ^2/NDF: 382.3/35

All: 9.061+/-0.507 χ^2/NDF: 719.1/72

- sign 9.084+/-0.720 χ^2/NDF: 336.7/36

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 224.675+/-1.362 χ^2/NDF:1292.2/19

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

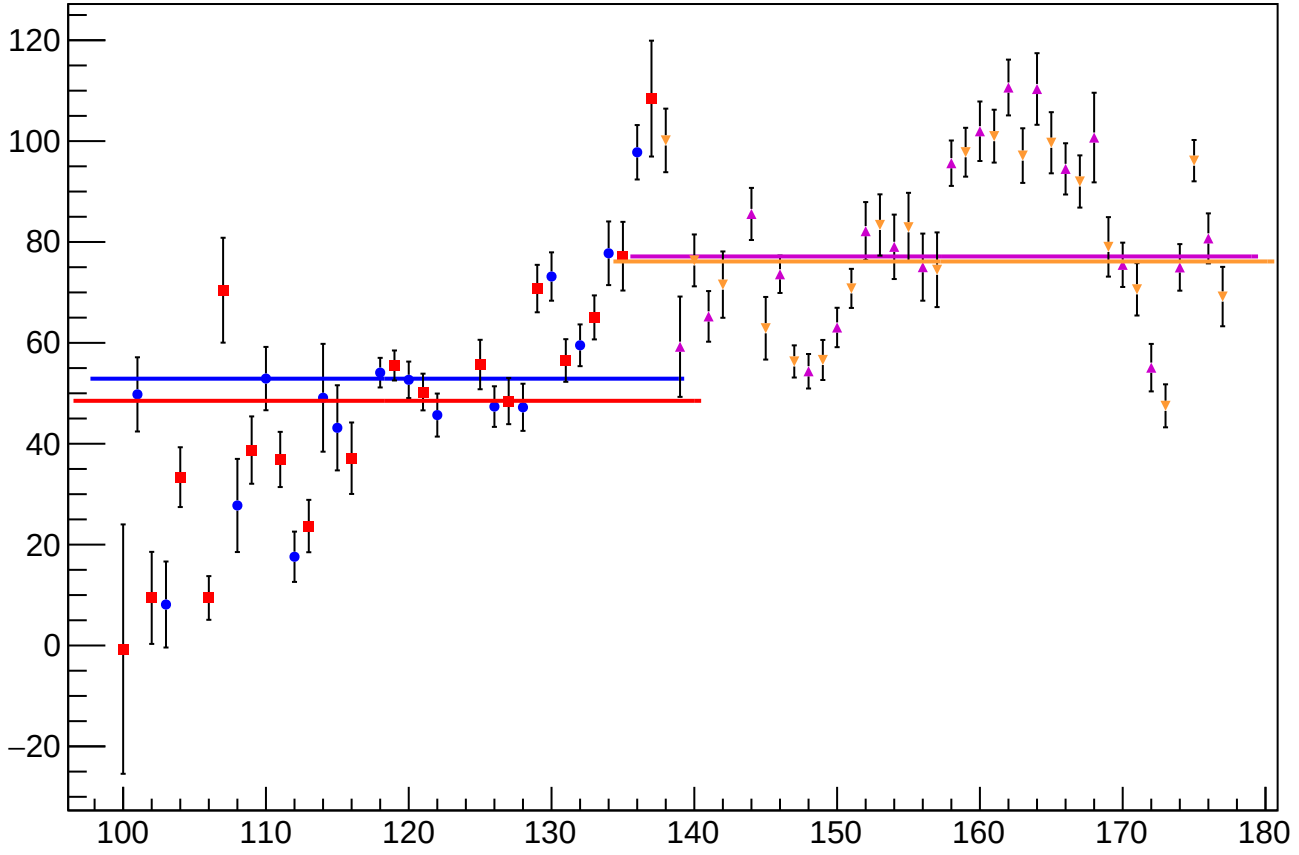
Left In: 230.758+/-1.383 χ^2/NDF:966.4/18

+ sign 212.624+/-0.911 χ^2/NDF: 3897.9/35

All: 206.640+/-0.634 χ^2/NDF: 12072.5/72

- sign 201.040+/-0.881 χ^2/NDF: 8091.1/36

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.139+/-1.122 χ^2/NDF:240.3/19

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

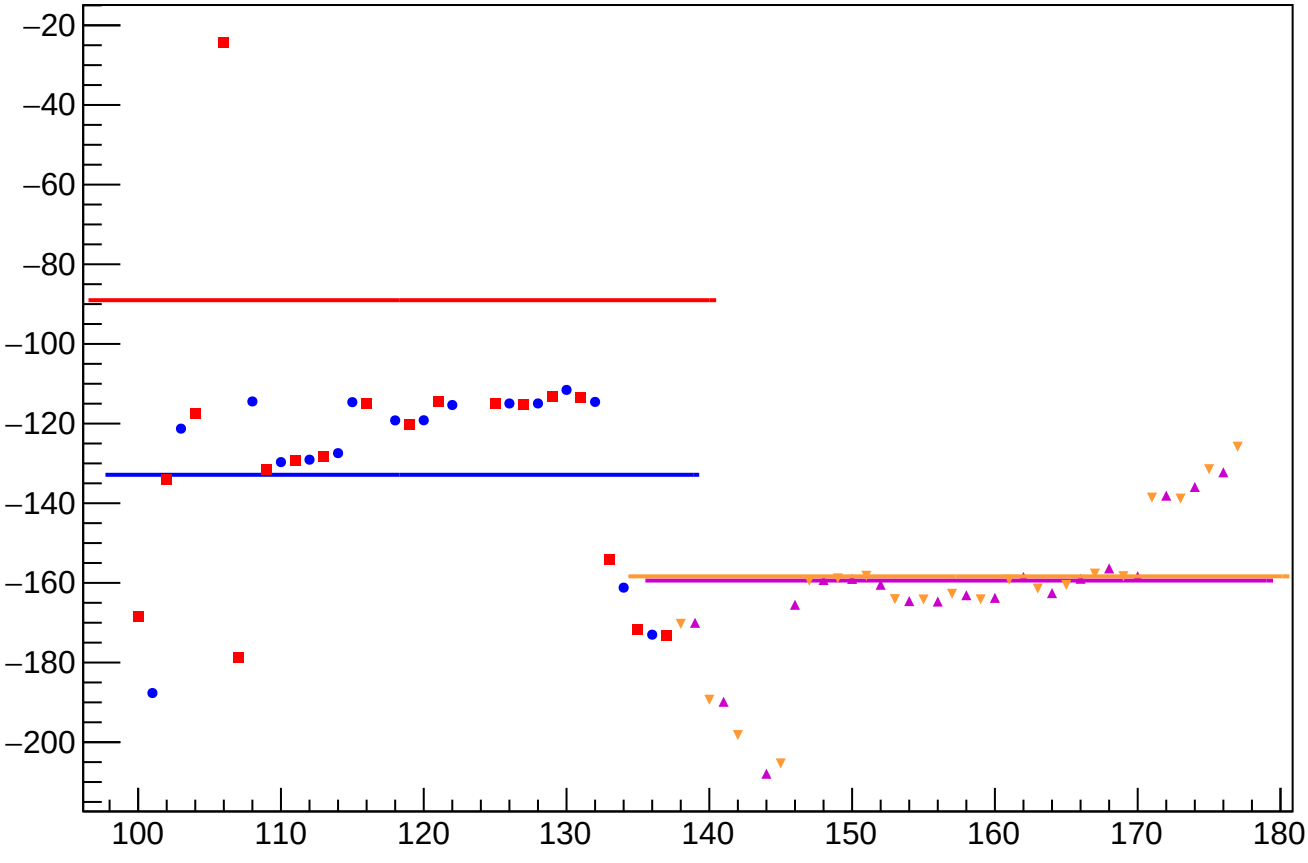
Left In: 77.133+/-1.151 χ^2/NDF:205.3/18

+ sign 65.691+/-0.832 χ^2/NDF: 631.5/35

All: 64.643+/-0.590 χ^2/NDF: 1372.7/72

- sign 63.587+/-0.835 χ^2/NDF: 738.0/36

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -158.356+/-0.053 χ^2/NDF:123460.2/19

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

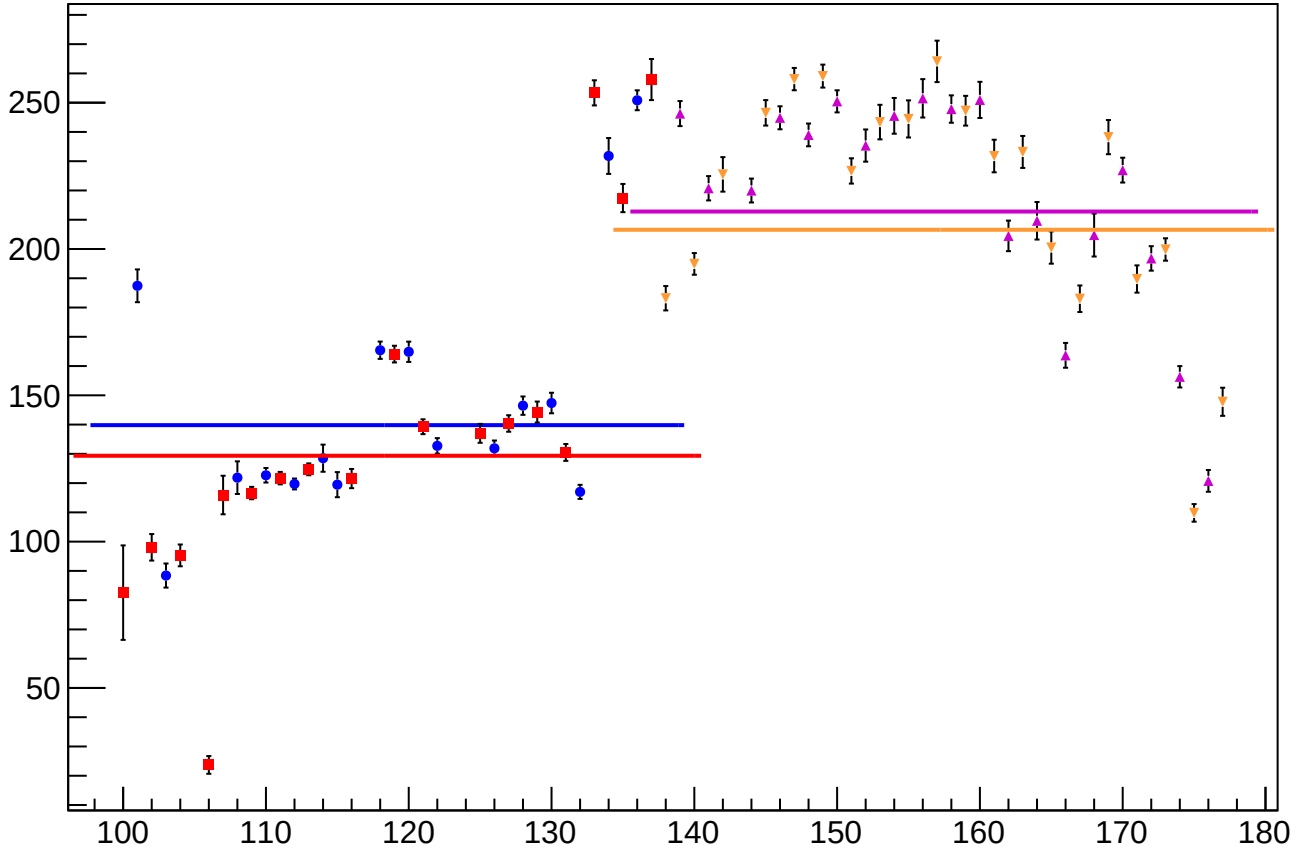
Left In: -159.411+/-0.052 χ^2/NDF:94221.6/18

+ sign -150.856+/-0.044 χ^2/NDF: 286312.0/35

All: -140.254+/-0.030 χ^2/NDF: 1937917.6/72

- sign -131.298+/-0.041 χ^2/NDF: 1545084.5/36

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 206.567+/-1.022 χ^2/NDF:2027.5/19

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

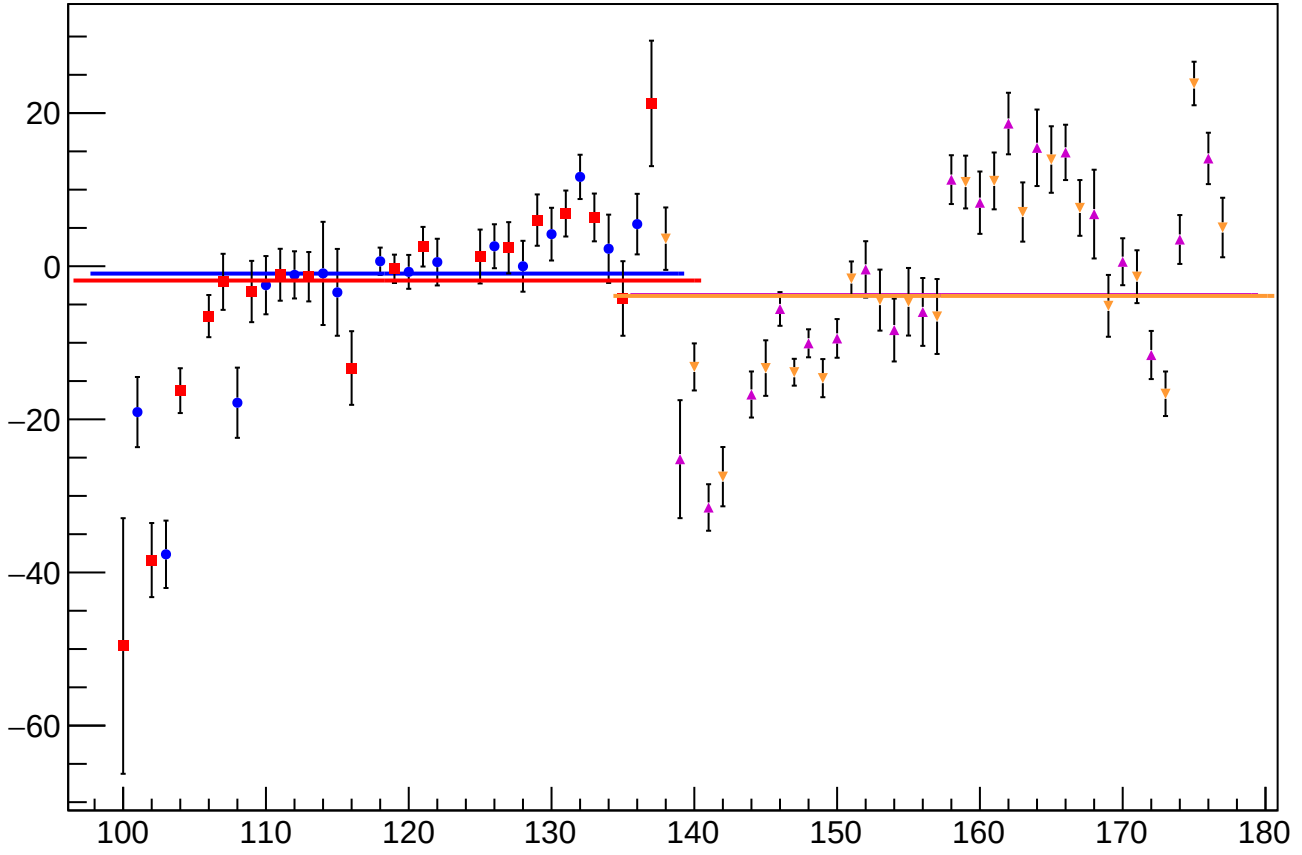
Left In: 212.801+/-1.041 χ^2/NDF:1469.3/18

+ sign 164.553+/-0.622 χ^2/NDF: 6675.9/35

All: 160.682+/-0.432 χ^2/NDF: 15637.6/72

- sign 157.085+/-0.600 χ^2/NDF: 8887.1/36

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -3.877+/-0.715 χ^2/NDF:299.0/19

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

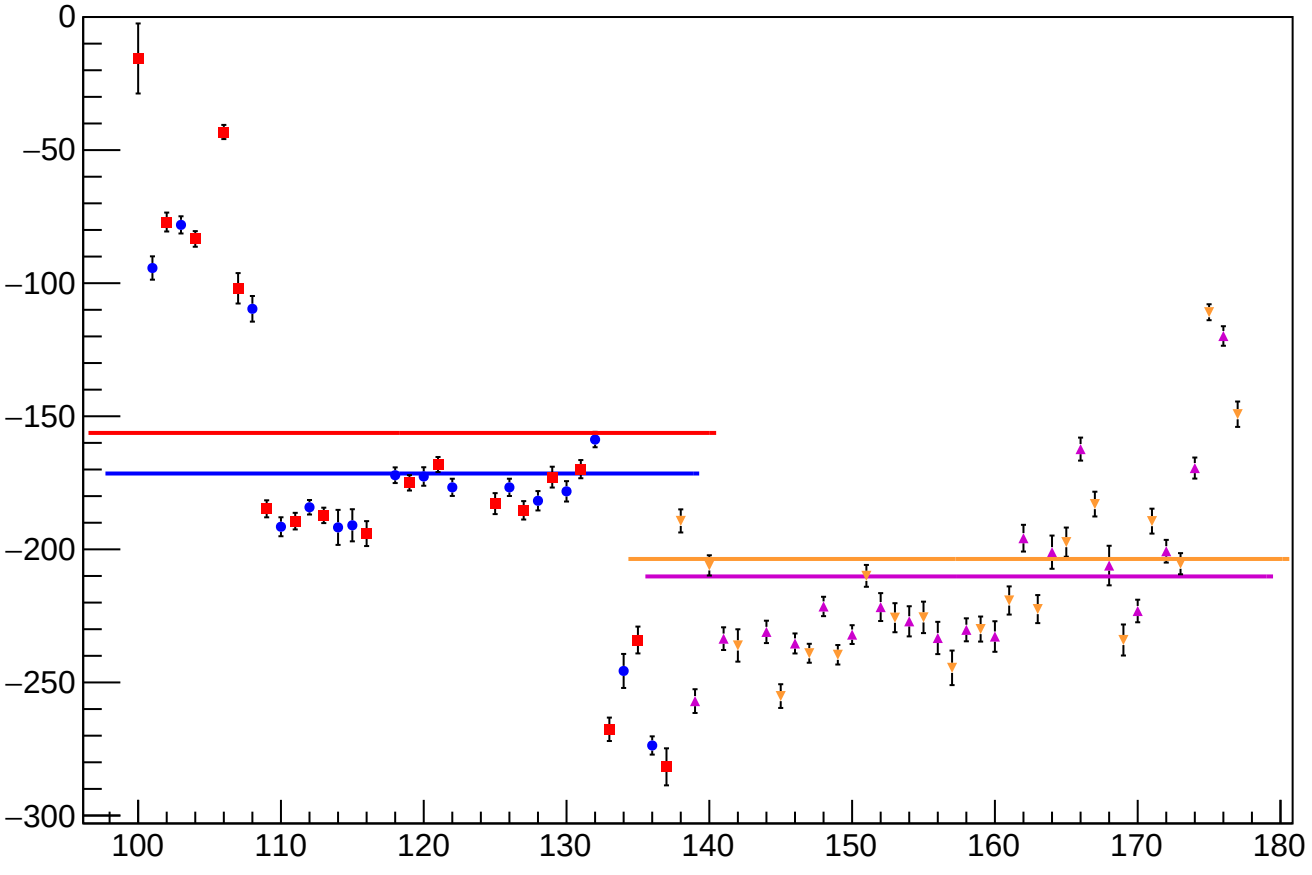
Left In: -3.767+/-0.737 χ^2/NDF:278.3/18

+ sign -2.599+/-0.535 χ^2/NDF: 432.3/35

All: -2.737+/-0.379 χ^2/NDF: 847.0/72

- sign -2.876+/-0.537 χ^2/NDF: 414.6/36

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -203.610+/-1.006 χ^2/NDF:1638.0/19

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

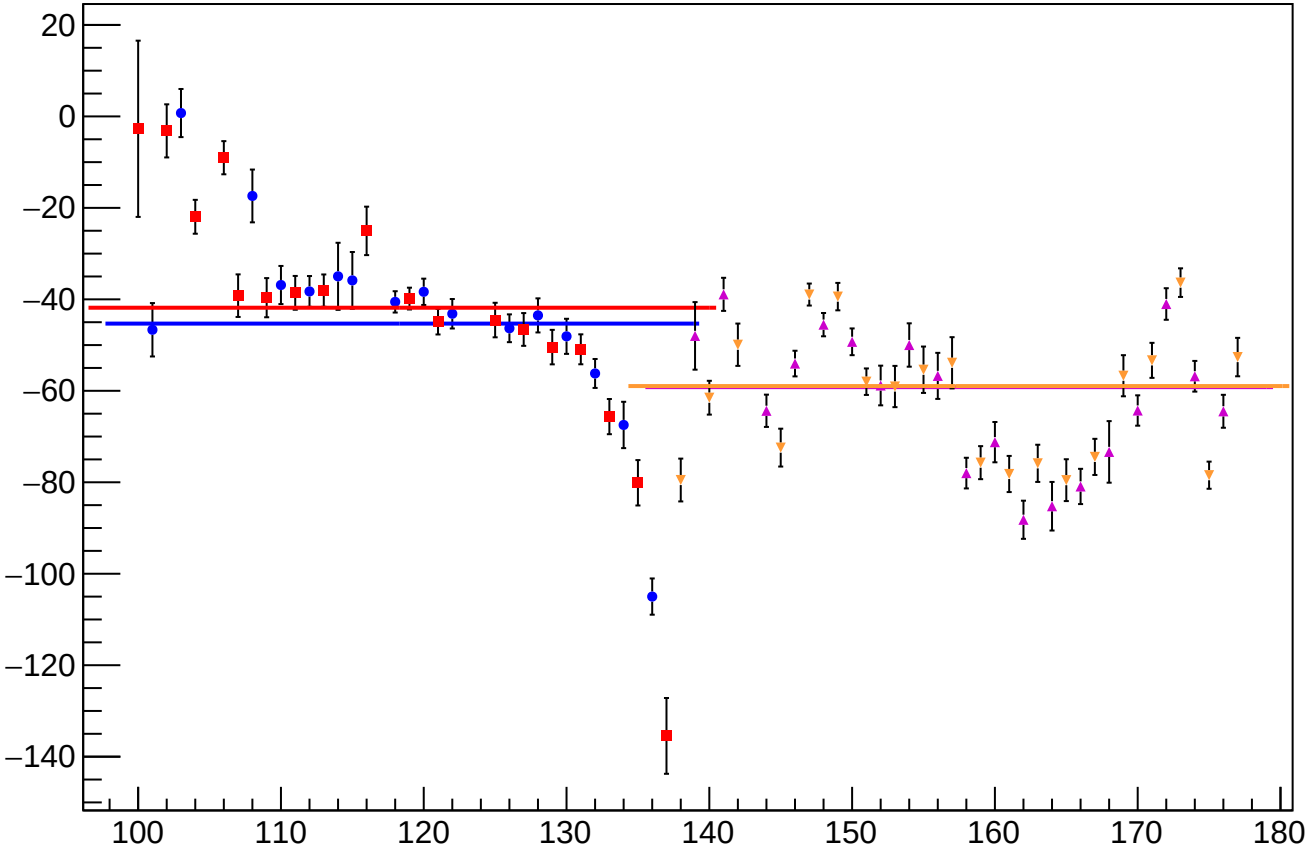
Left In: -210.176+/-1.024 χ^2/NDF:1181.5/18

+ sign -185.900+/-0.674 χ^2/NDF: 4642.8/35

All: -181.911+/-0.469 χ^2/NDF: 12441.4/72

- sign -178.161+/-0.653 χ^2/NDF: 7730.5/36

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -58.963+/-0.830 χ^2/NDF:345.5/19

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

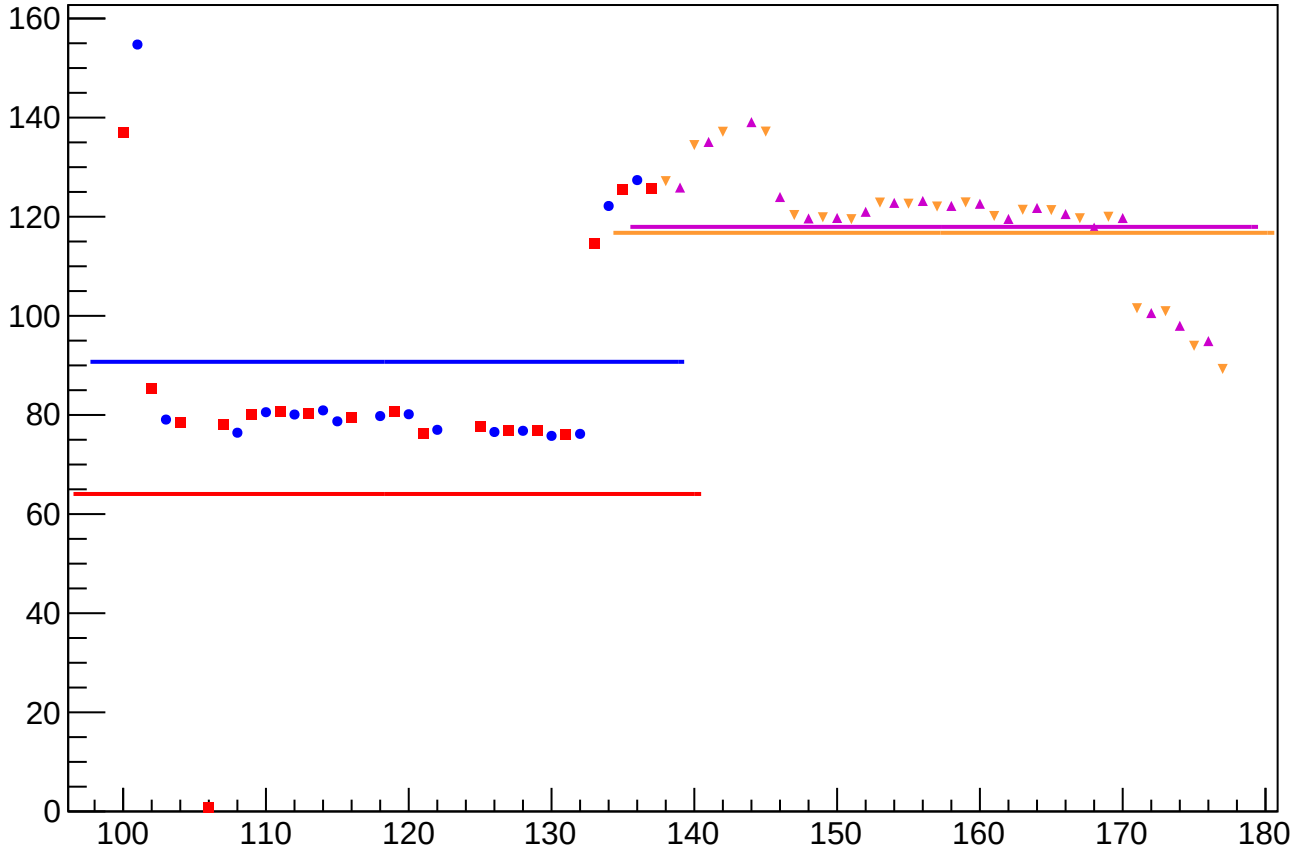
Left In: -59.197+/-0.853 χ^2/NDF:263.7/18

+ sign -52.959+/-0.622 χ^2/NDF: 846.4/35

All: -52.014+/-0.440 χ^2/NDF: 1723.0/72

- sign -51.066+/-0.622 χ^2/NDF: 871.9/36

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 116.753+/-0.039 χ^2/NDF:115247.7/19

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

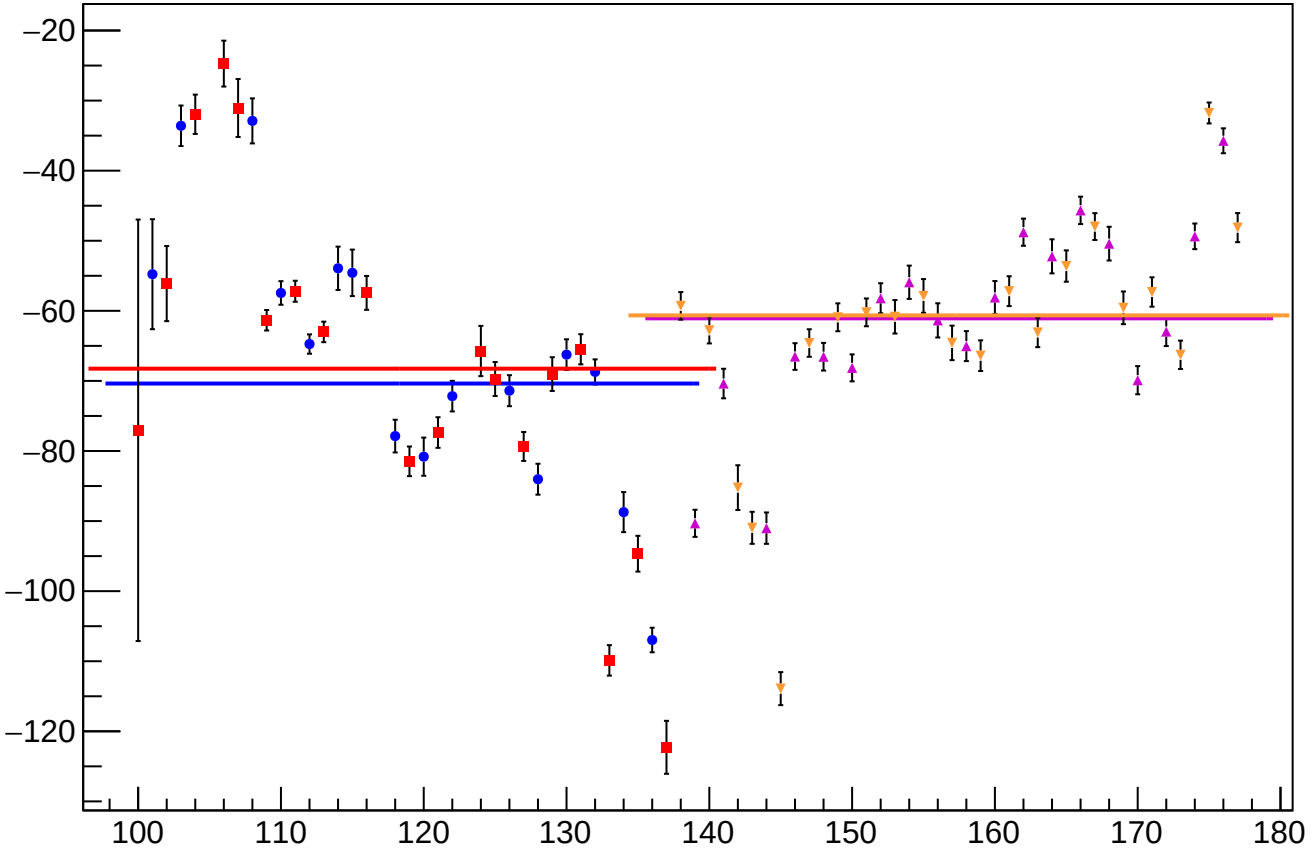
Left In: 117.952+/-0.039 χ^2/NDF:86796.3/18

+ sign 108.788+/-0.032 χ^2/NDF: 413845.4/35

All: 102.722+/-0.022 χ^2/NDF: 1965917.2/72

- sign 97.334+/-0.030 χ^2/NDF: 1485690.2/36

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -60.647+/-0.458 χ^2/NDF:1241.0/20

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

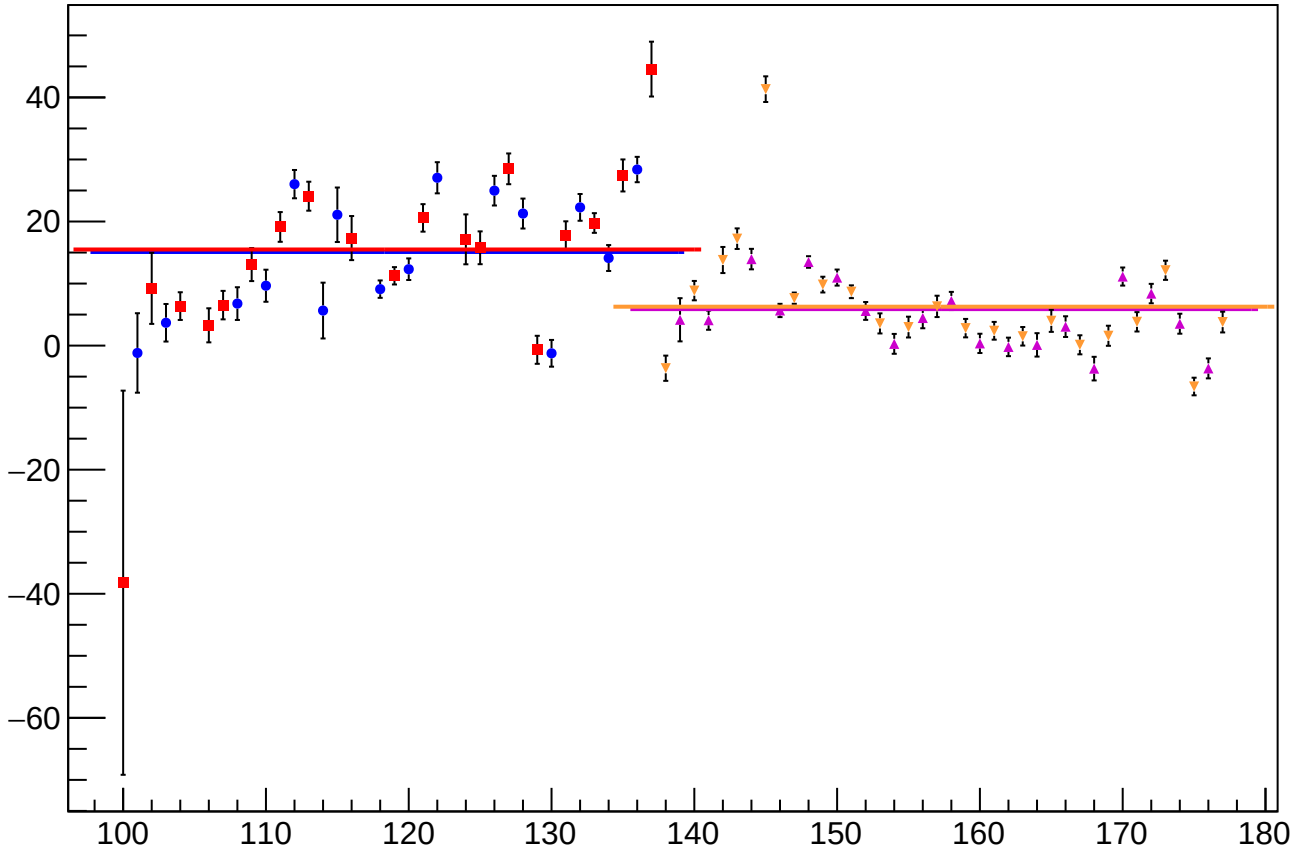
Left In: -61.071+/-0.475 χ^2/NDF:867.2/18

+ sign -64.569+/-0.354 χ^2/NDF: 2397.4/36

All: -64.431+/-0.250 χ^2/NDF: 4673.3/74

- sign -64.295+/-0.353 χ^2/NDF: 2275.6/37

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 6.270+/-0.324 χ^2/NDF:542.5/20

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

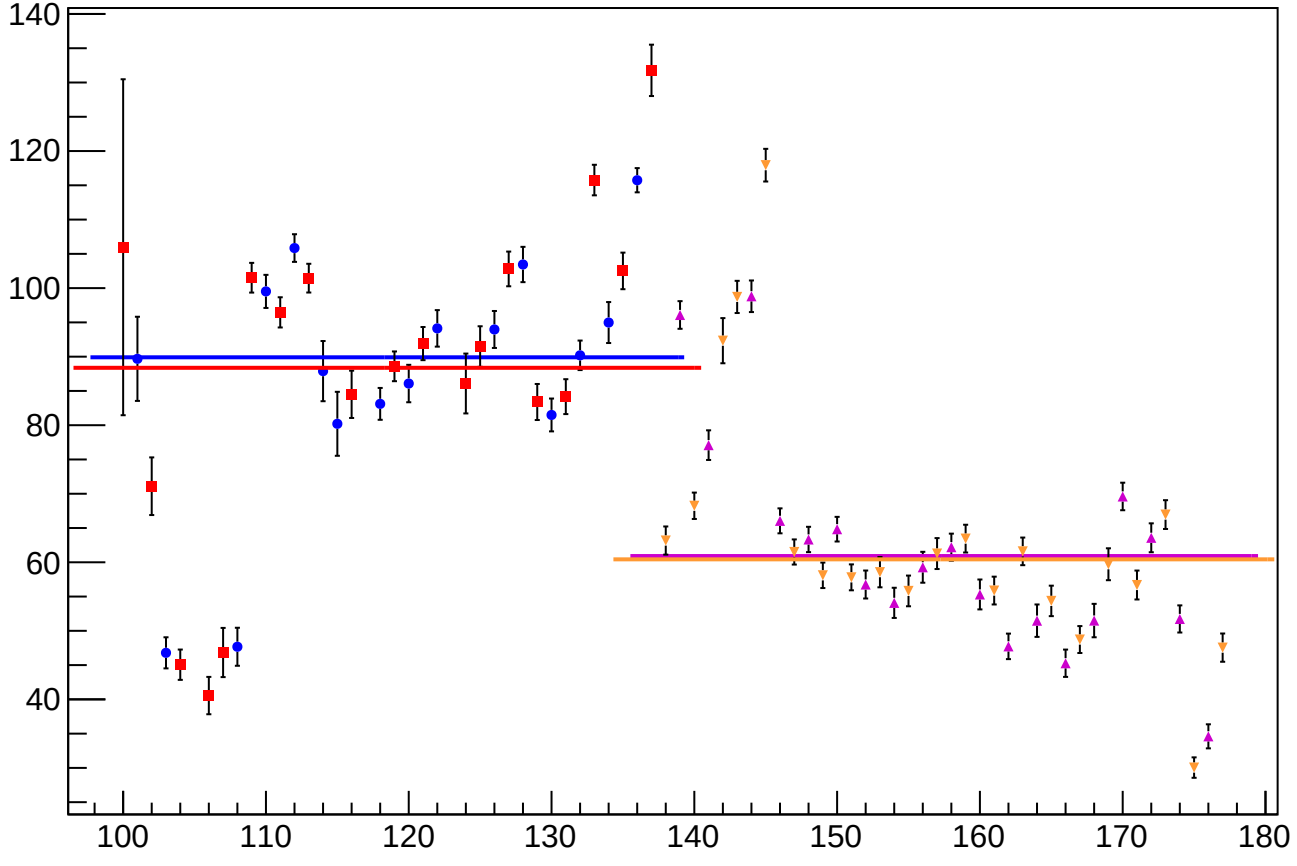
Left In: 5.883+/-0.341 χ^2/NDF:240.8/18

\+ sign 8.364+/-0.283 χ^2/NDF: 960.8/36

All: 8.425+/-0.203 χ^2/NDF: 1656.9/74

\- sign 8.489+/-0.291 χ^2/NDF: 696.0/37

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 60.429+/-0.450 χ^2/NDF:1486.8/20

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

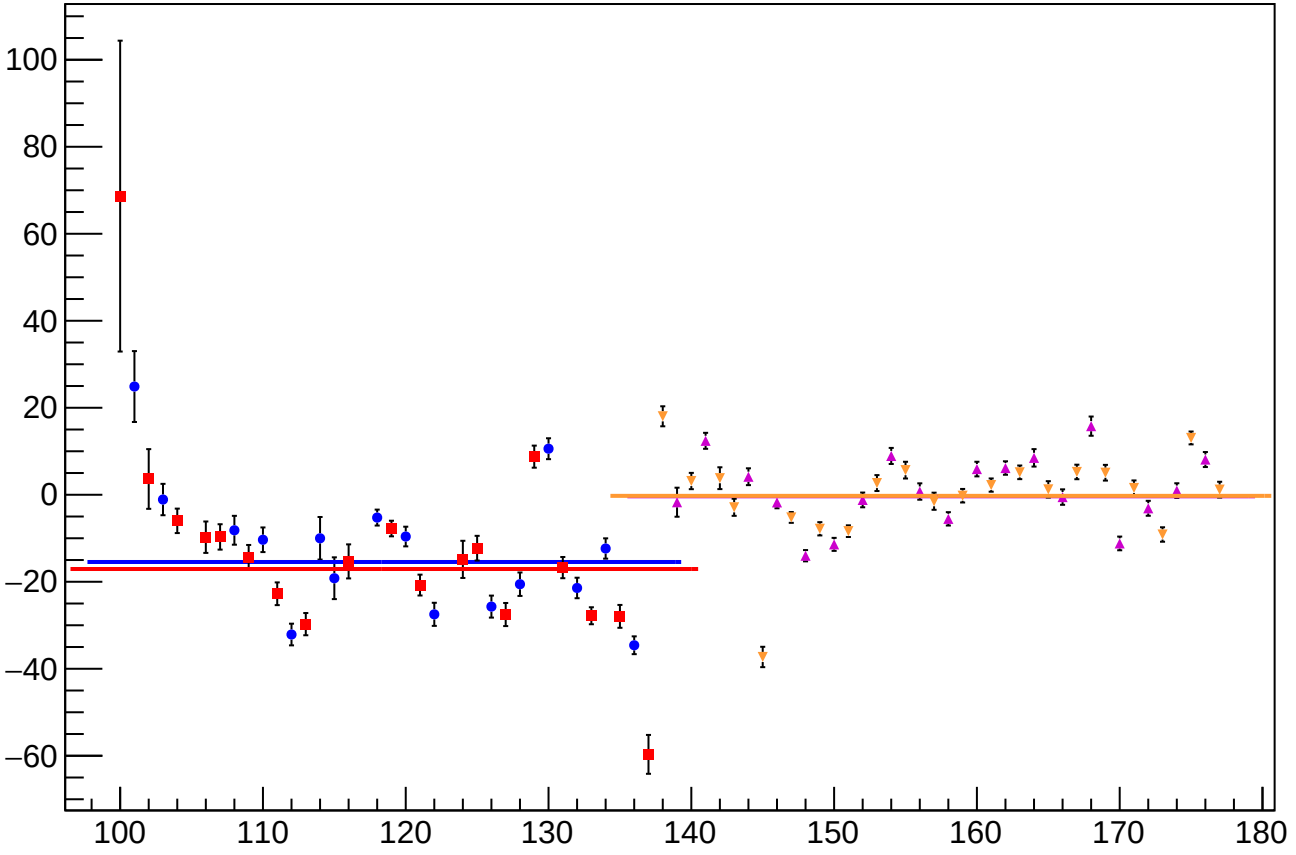
Left In: 60.911+/-0.466 χ^2/NDF:1075.1/18

+ sign 70.165+/-0.368 χ^2/NDF: 3852.2/36

All: 70.520+/-0.262 χ^2/NDF: 7478.2/74

- sign 70.883+/-0.372 χ^2/NDF: 3624.1/37

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.251+/-0.373 χ^2/NDF:556.6/20

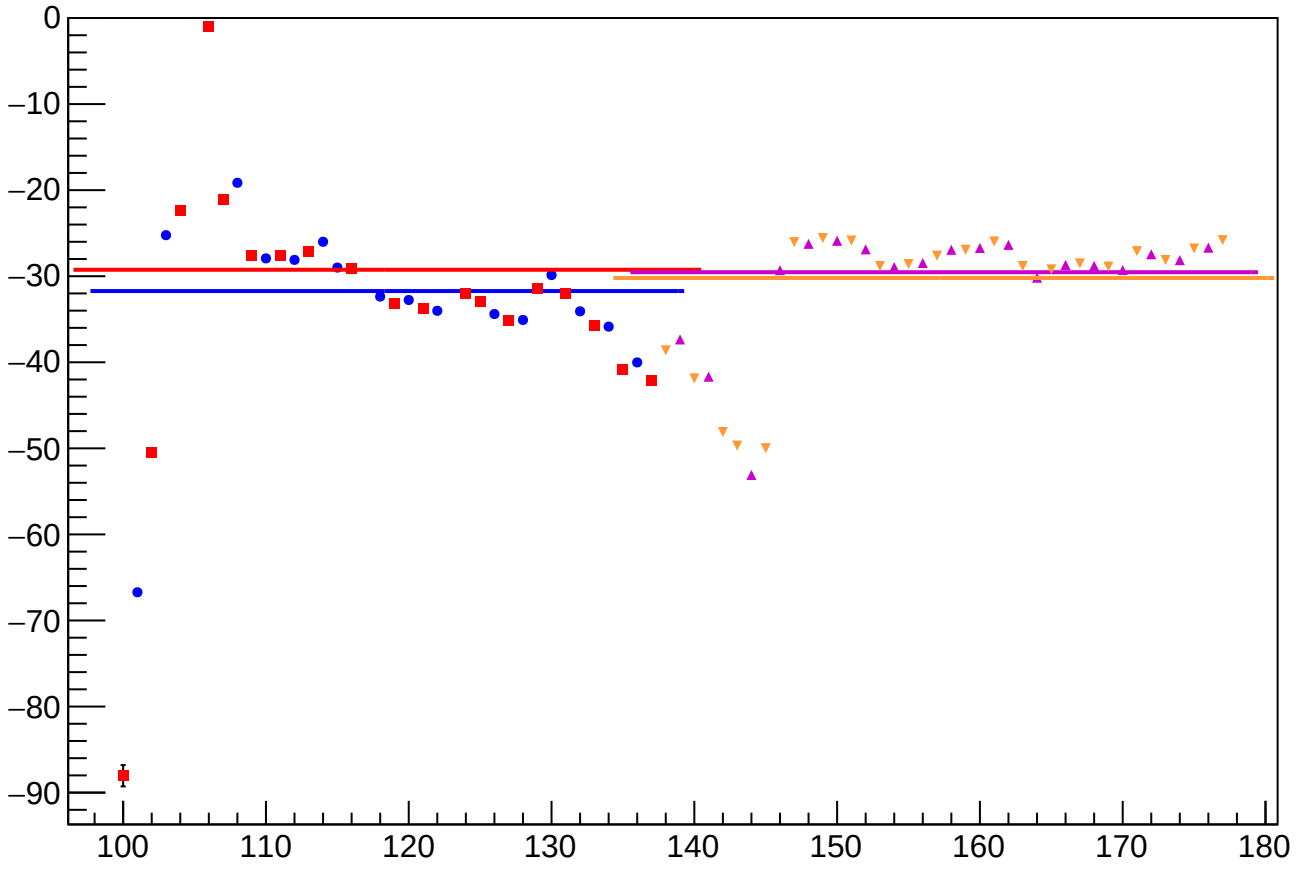
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.360+/-0.391 χ^2/NDF:436.1/18

+ sign -3.882+/-0.325 χ^2/NDF: 1340.4/36

All: -4.358+/-0.233 χ^2/NDF: 2634.2/74

- sign -4.859+/-0.334 χ^2/NDF: 1289.4/37



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.205+/-0.017 χ^2/NDF:158353.8/20

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

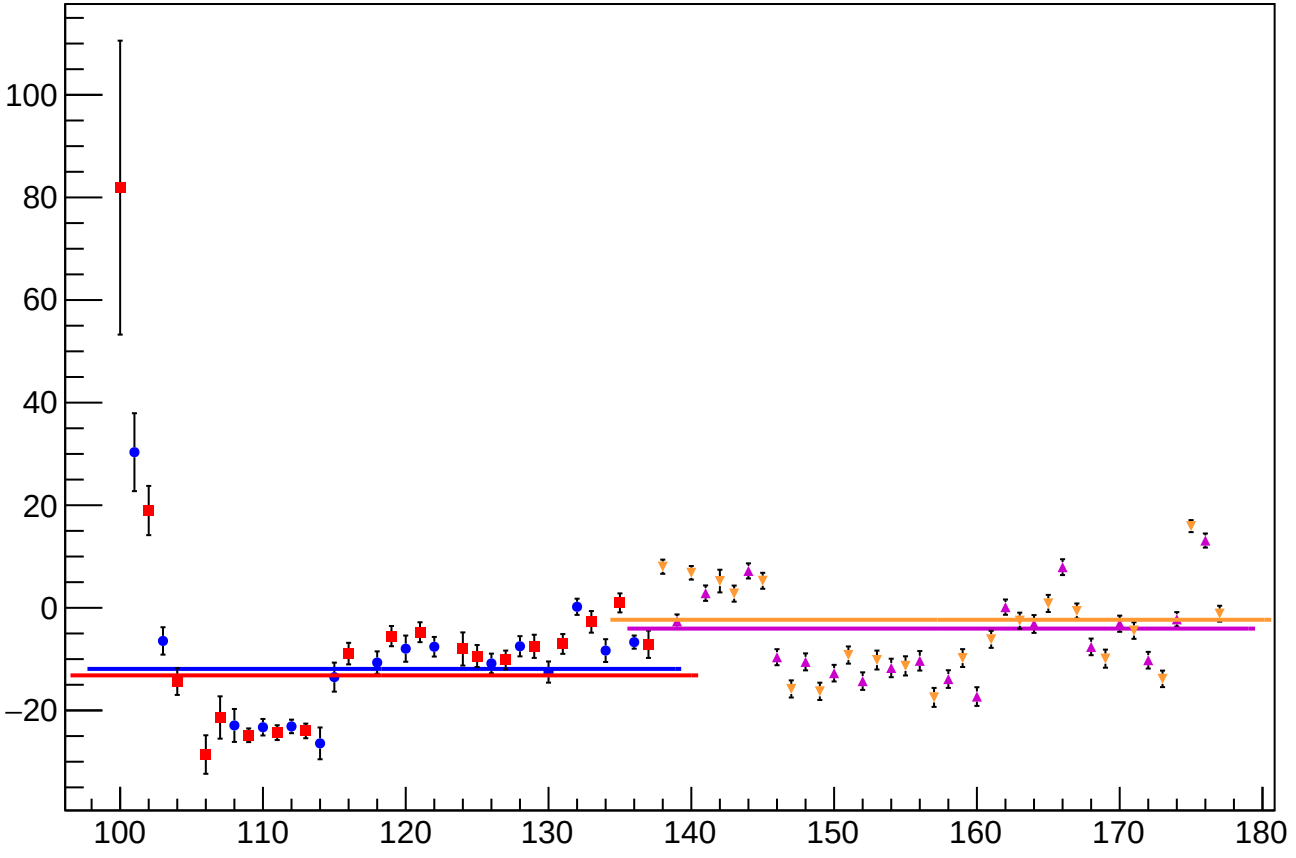
Left In: -29.535+/-0.017 χ^2/NDF:96748.1/18

+ sign -30.454+/-0.016 χ^2/NDF: 199292.3/36

All: -29.978+/-0.011 χ^2/NDF: 393216.0/74

- sign -29.487+/-0.016 χ^2/NDF: 192029.7/37

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -2.326+/-0.349 χ^2/NDF:750.9/20

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

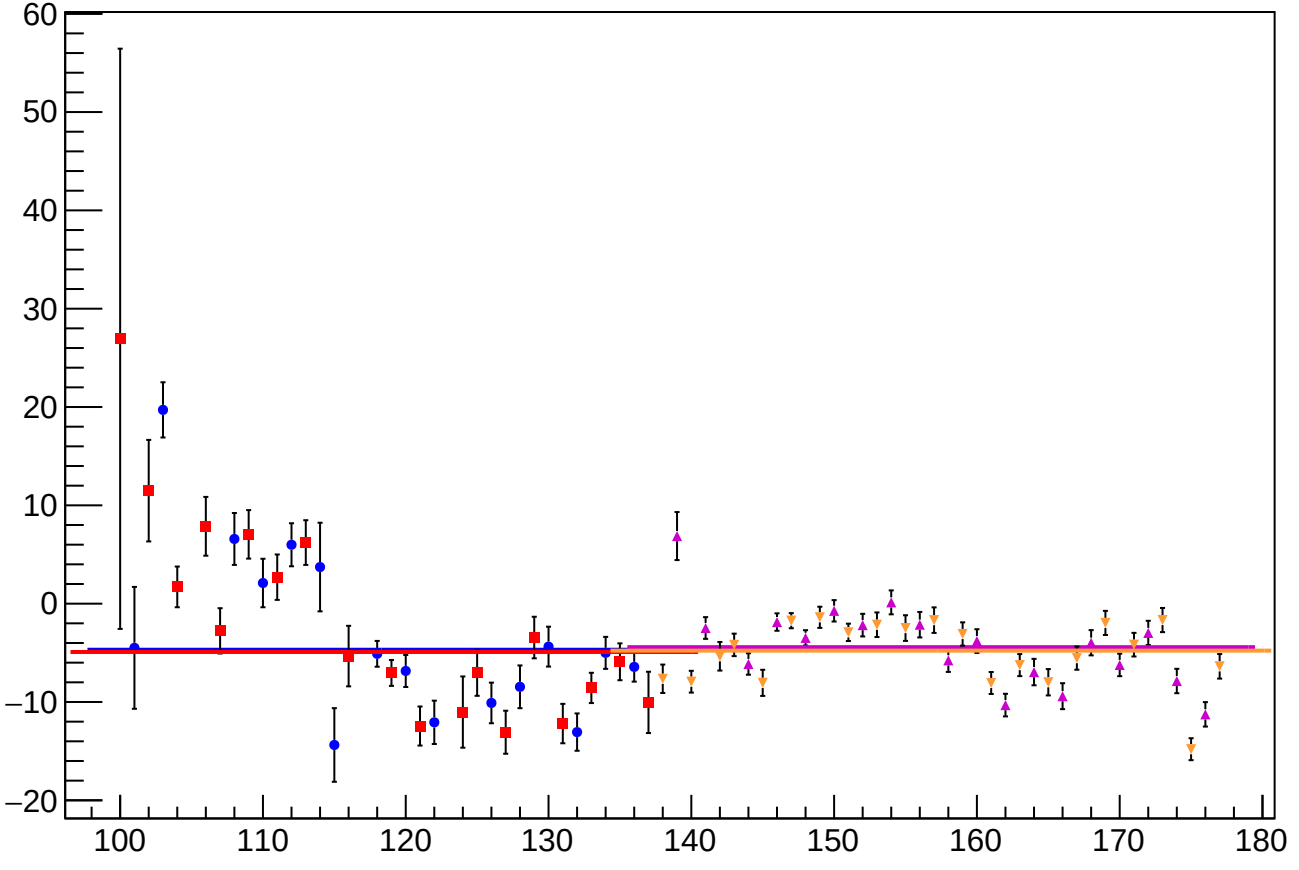
Left In: -4.050+/-0.364 χ^2/NDF:532.4/18

+ sign -5.493+/-0.286 χ^2/NDF: 1282.0/36

All: -6.419+/-0.203 χ^2/NDF: 2486.6/74

- sign -7.373+/-0.290 χ^2/NDF: 1183.2/37

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.775+/-0.252 χ^2/NDF:174.7/20

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

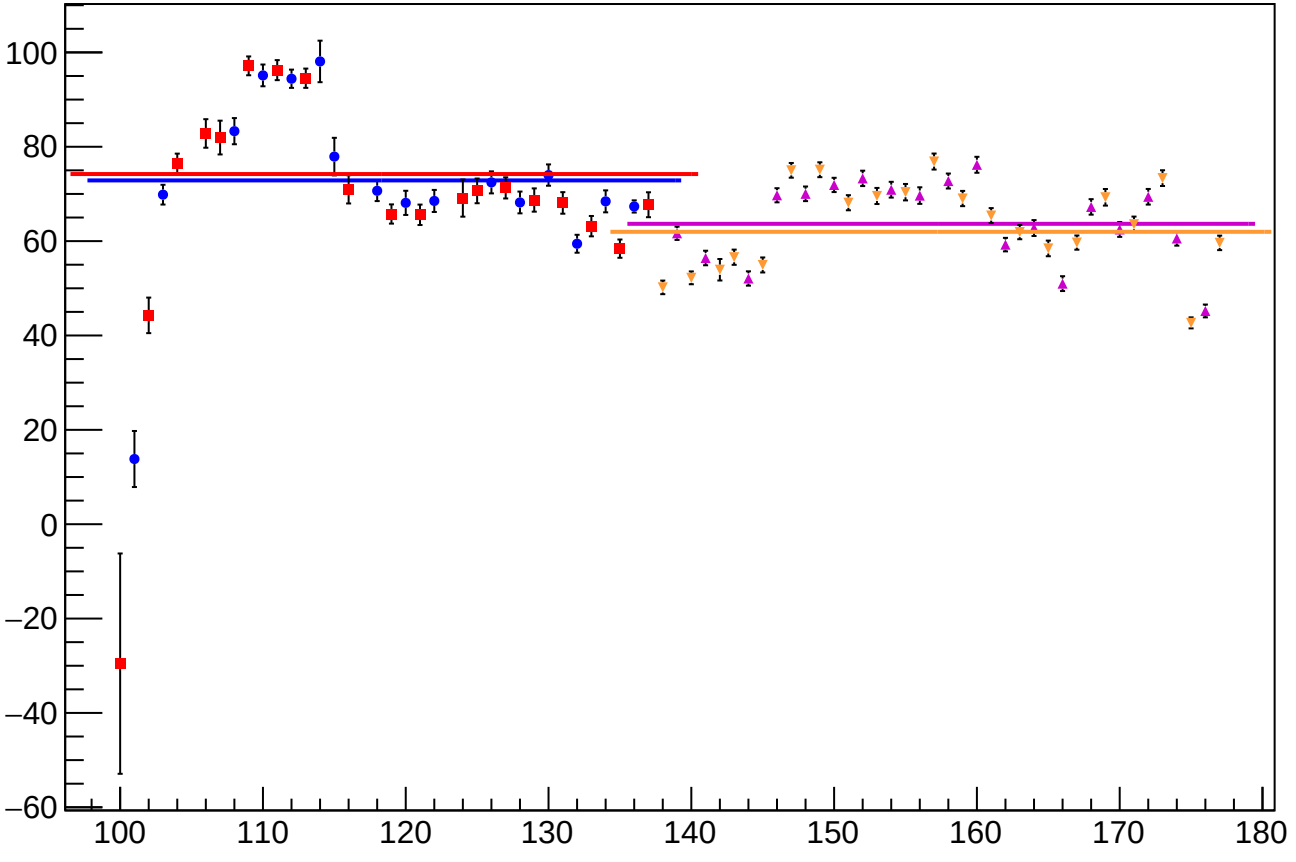
Left In: -4.423+/-0.265 χ^2/NDF:156.8/18

+ sign -4.758+/-0.226 χ^2/NDF: 353.8/36

All: -4.647+/-0.163 χ^2/NDF: 667.6/74

- sign -4.526+/-0.236 χ^2/NDF: 313.4/37

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 61.974+/-0.344 χ^2/NDF:804.7/20

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

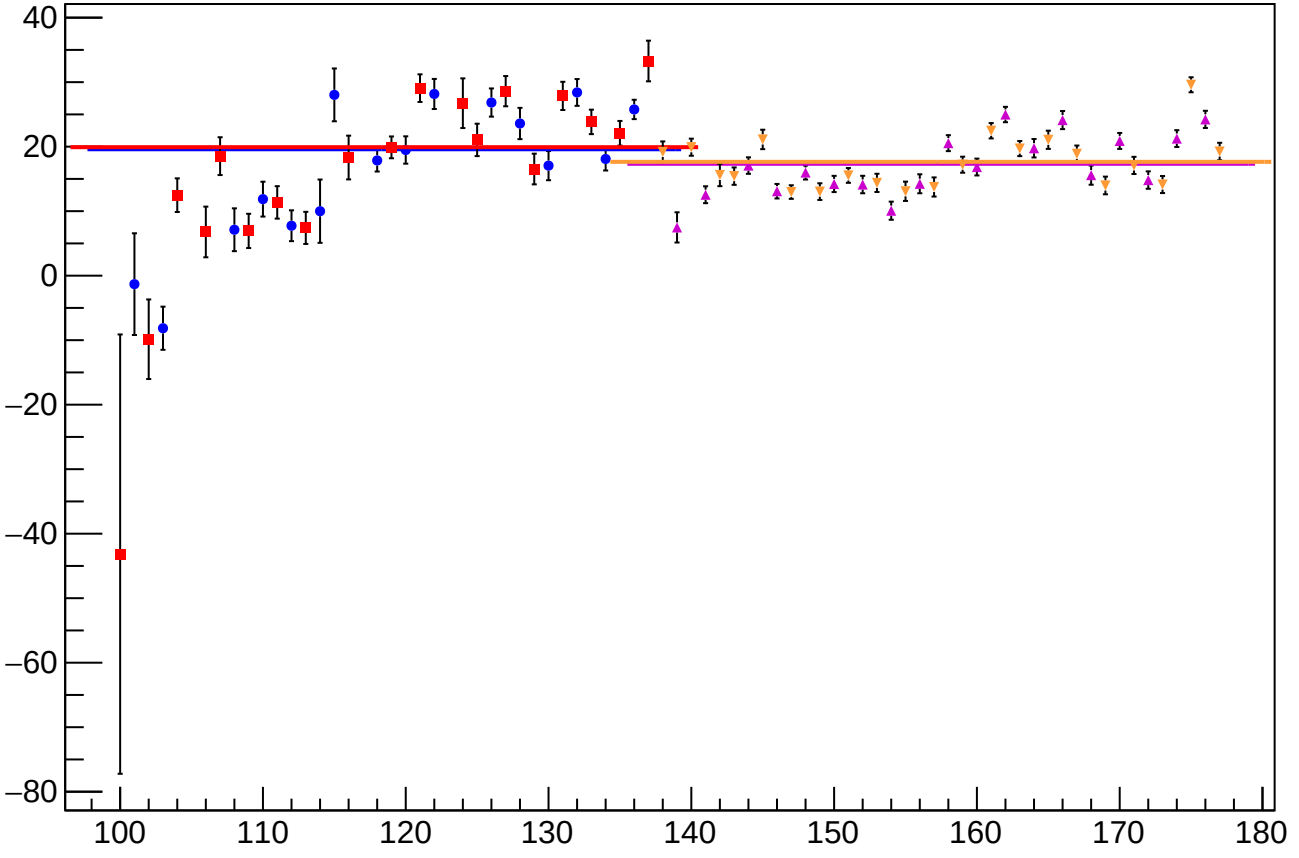
Left In: 63.668+/-0.358 χ^2/NDF:578.1/18

+ sign 64.916+/-0.294 χ^2/NDF: 1526.3/36

All: 65.788+/-0.211 χ^2/NDF: 2959.2/74

- sign 66.709+/-0.302 χ^2/NDF: 1414.8/37

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.647+/-0.288 χ^2/NDF:218.5/20

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

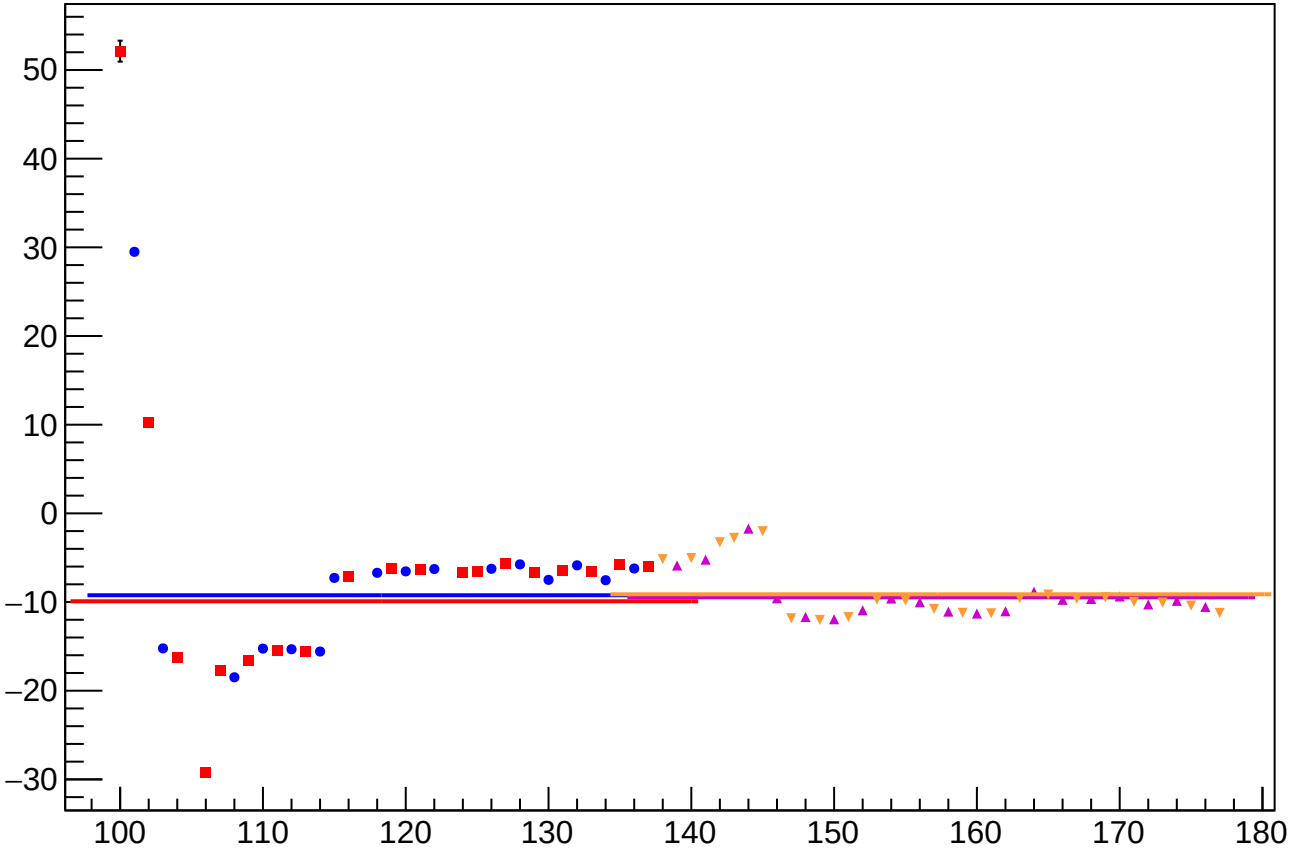
Left In: 17.344+/-0.303 χ^2/NDF:212.9/18

\+ sign 18.027+/-0.258 χ^2/NDF: 423.4/36

All: 17.960+/-0.186 χ^2/NDF: 833.0/74

\- sign 17.888+/-0.269 χ^2/NDF: 409.5/37

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.125+/-0.013 χ^2/NDF:47130.7/20

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

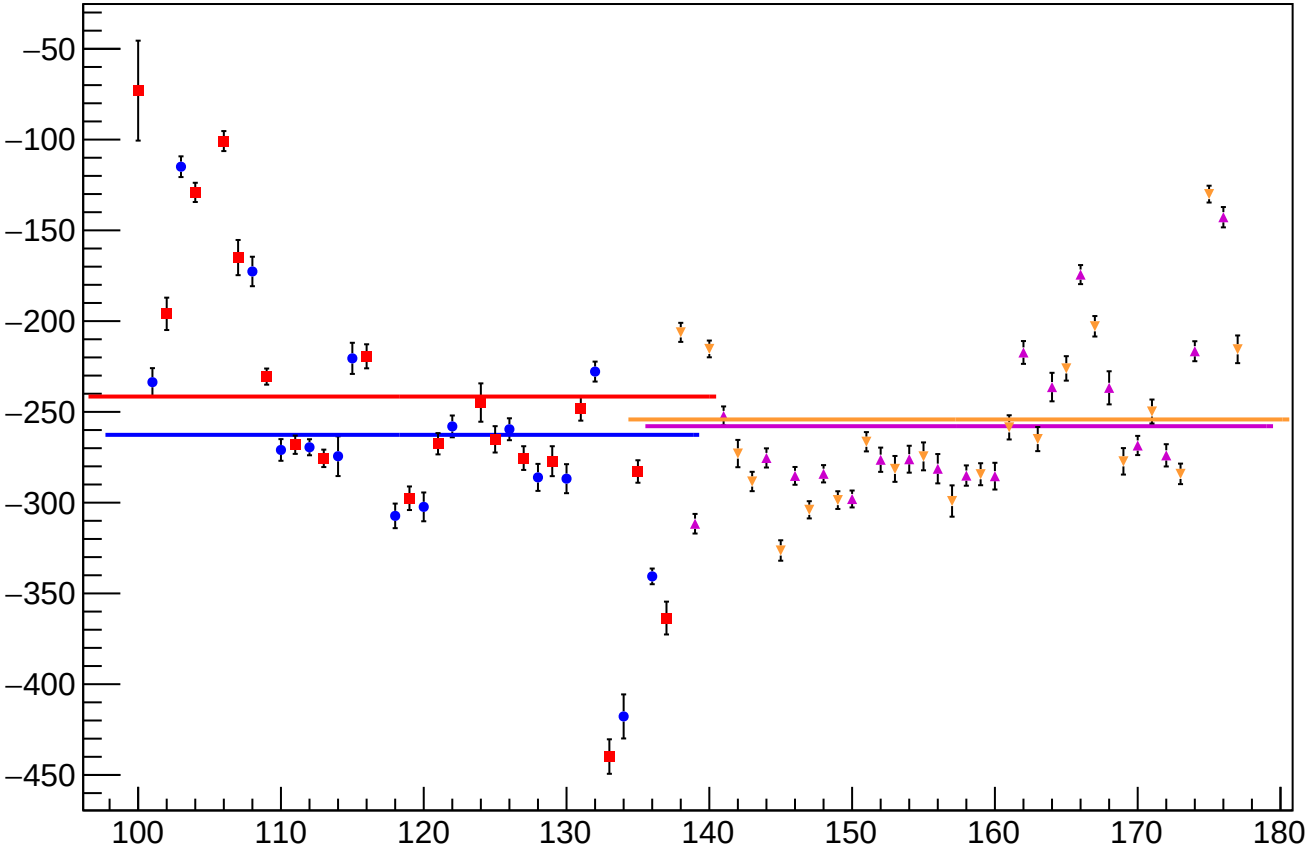
Left In: -9.470+/-0.013 χ^2/NDF:29732.6/18

+ sign -9.140+/-0.012 χ^2/NDF: 78299.6/36

All: -9.329+/-0.009 χ^2/NDF: 162538.3/74

- sign -9.528+/-0.012 χ^2/NDF: 83739.7/37

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -254.164+/-1.288 χ^2/NDF:1523.9/20

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

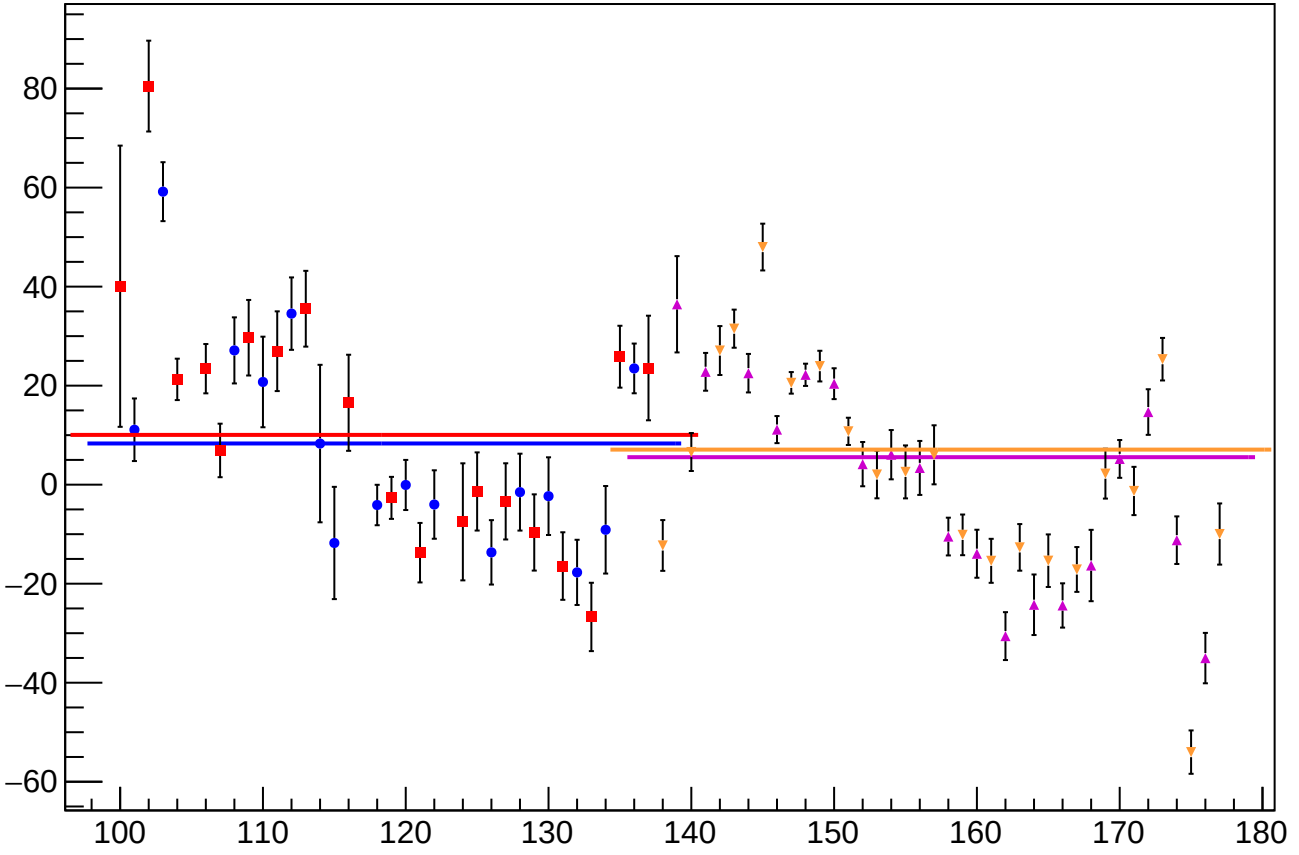
Left In: -257.881+/-1.334 χ^2/NDF:1103.3/18

+ sign -257.465+/-1.007 χ^2/NDF: 2995.0/36

All: -254.055+/-0.709 χ^2/NDF: 6325.5/74

- sign -250.700+/-0.999 χ^2/NDF: 3307.7/37

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 7.081+/-0.889 χ^2/NDF:548.9/20

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

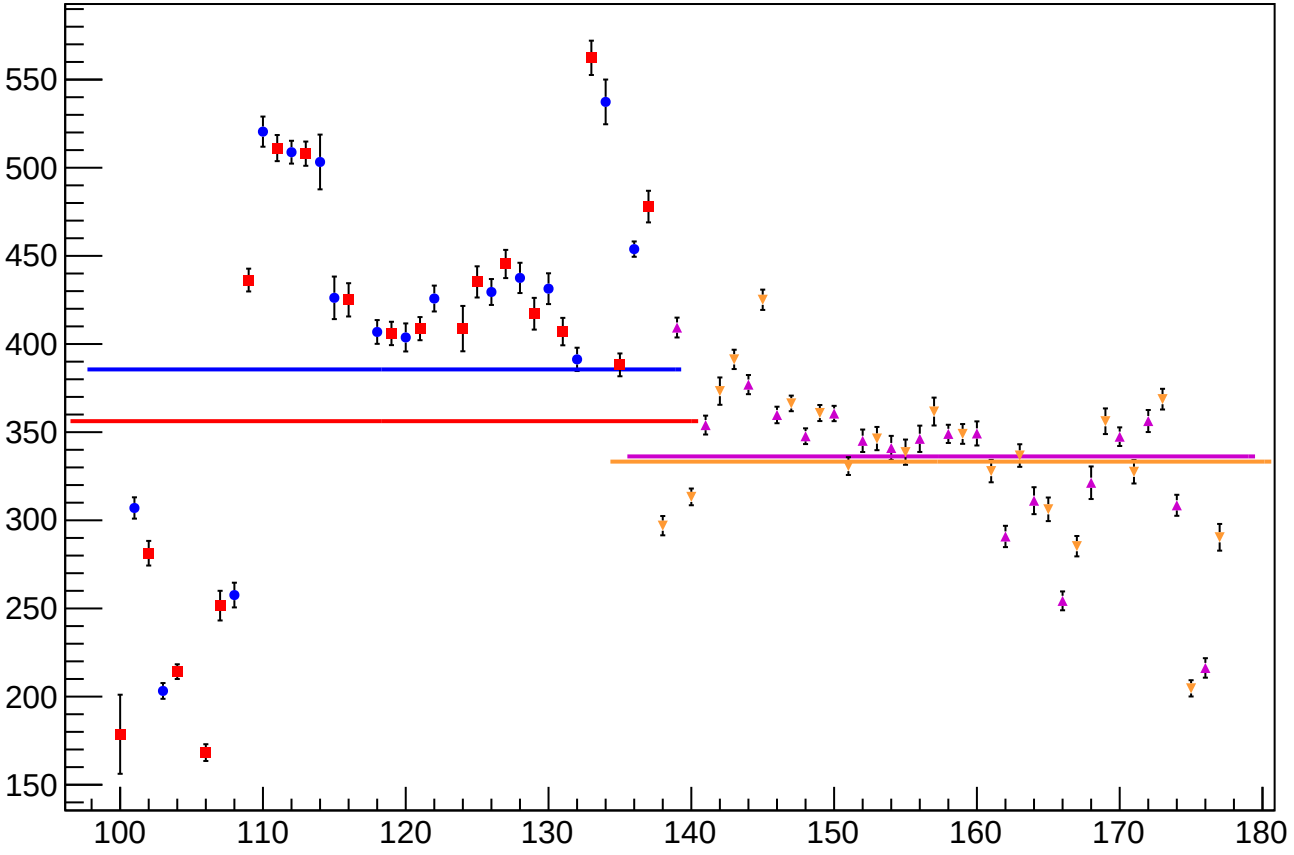
Left In: 5.552+/-0.932 χ^2/NDF:378.6/18

+ sign 7.361+/-0.782 χ^2/NDF: 707.0/36

All: 7.066+/-0.558 χ^2/NDF: 1279.6/74

- sign 6.759+/-0.797 χ^2/NDF: 572.3/37

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 333.296+/-1.267 χ^2/NDF:1513.7/20

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

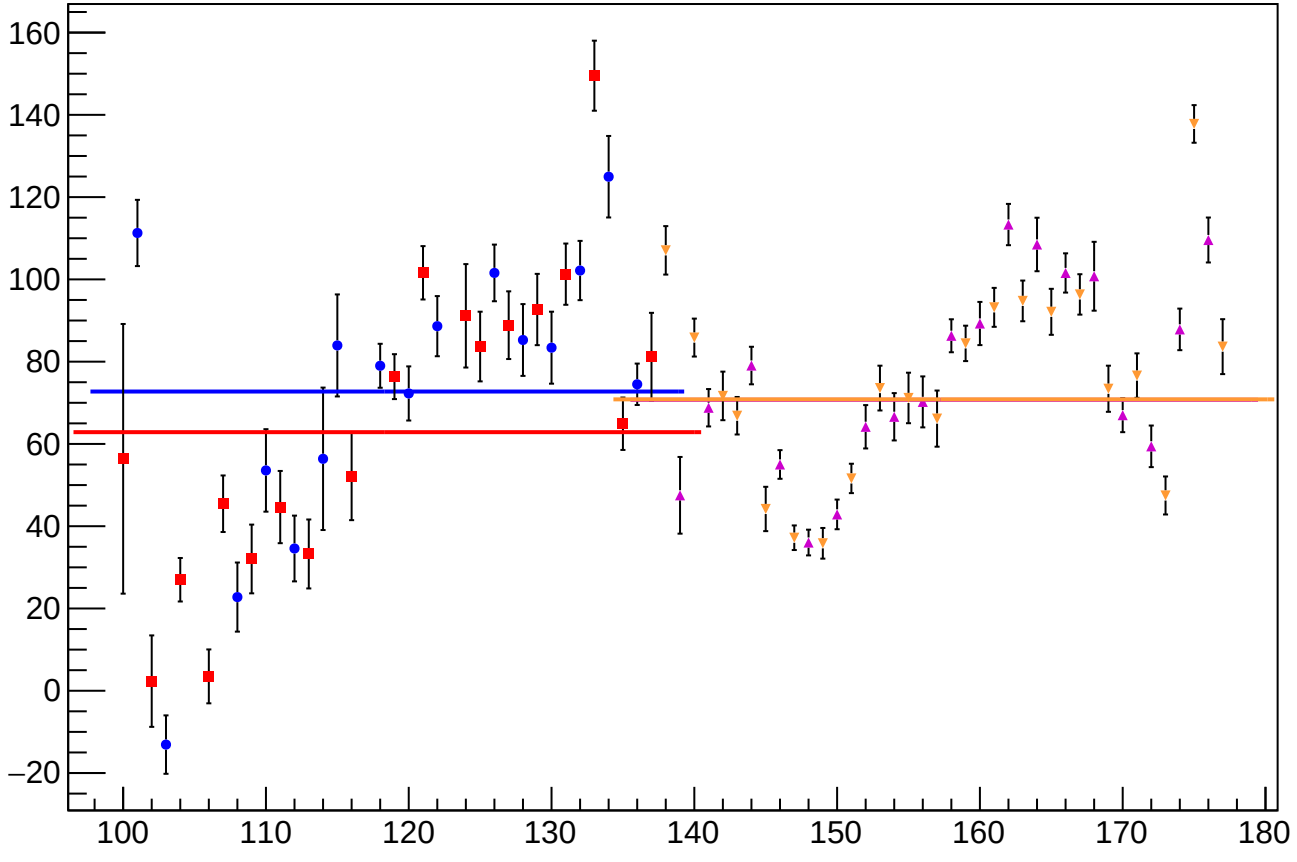
Left In: 336.248+/-1.308 χ^2/NDF:1124.1/18

+ sign 351.379+/-1.025 χ^2/NDF: 5476.2/36

All: 347.678+/-0.724 χ^2/NDF: 11987.0/74

- sign 343.982+/-1.024 χ^2/NDF: 6484.8/37

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 70.836+/-1.039 χ^2/NDF:659.9/20

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

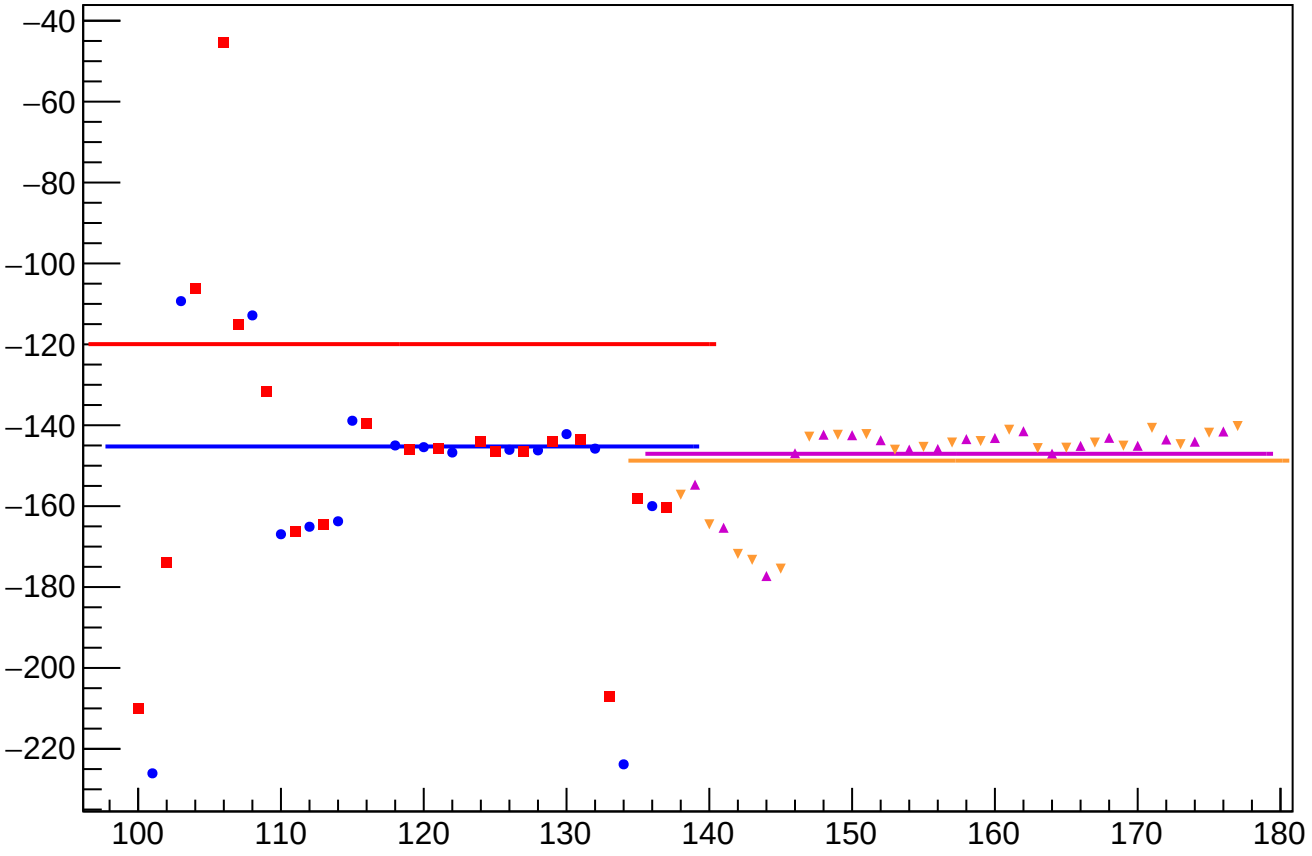
Left In: 70.728+/-1.083 χ^2/NDF:470.8/18

+ sign 71.276+/-0.911 χ^2/NDF: 965.0/36

All: 69.975+/-0.650 χ^2/NDF: 1857.6/74

- sign 68.628+/-0.927 χ^2/NDF: 888.4/37

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.747+/-0.049 χ^2/NDF:47654.3/20

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

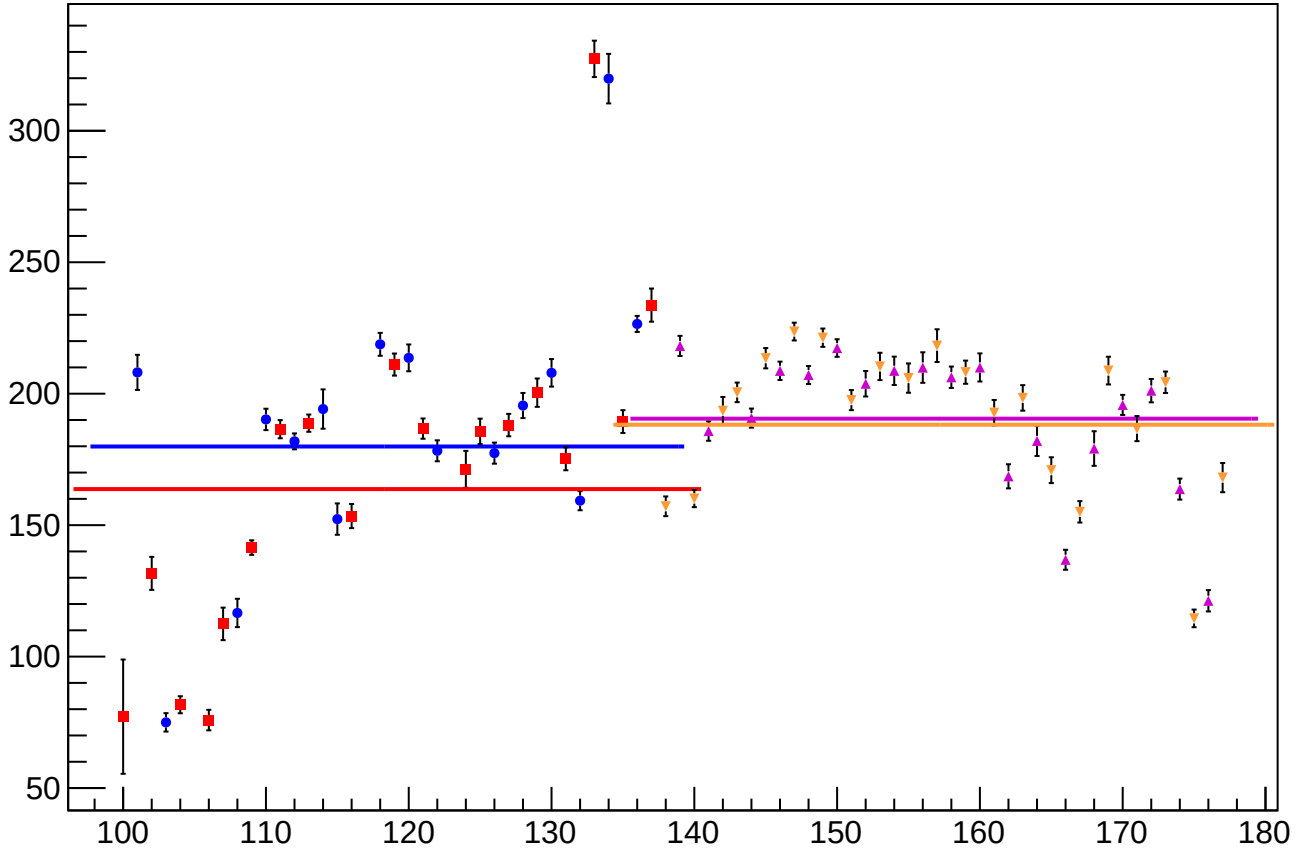
Left In: -147.058+/-0.050 χ^2/NDF:28082.0/18

+ sign -148.052+/-0.044 χ^2/NDF: 180727.4/36

All: -144.303+/-0.031 χ^2/NDF: 564524.9/74

- sign -140.646+/-0.043 χ^2/NDF: 369328.6/37

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 188.197+/-0.924 χ^2/NDF:1084.7/20

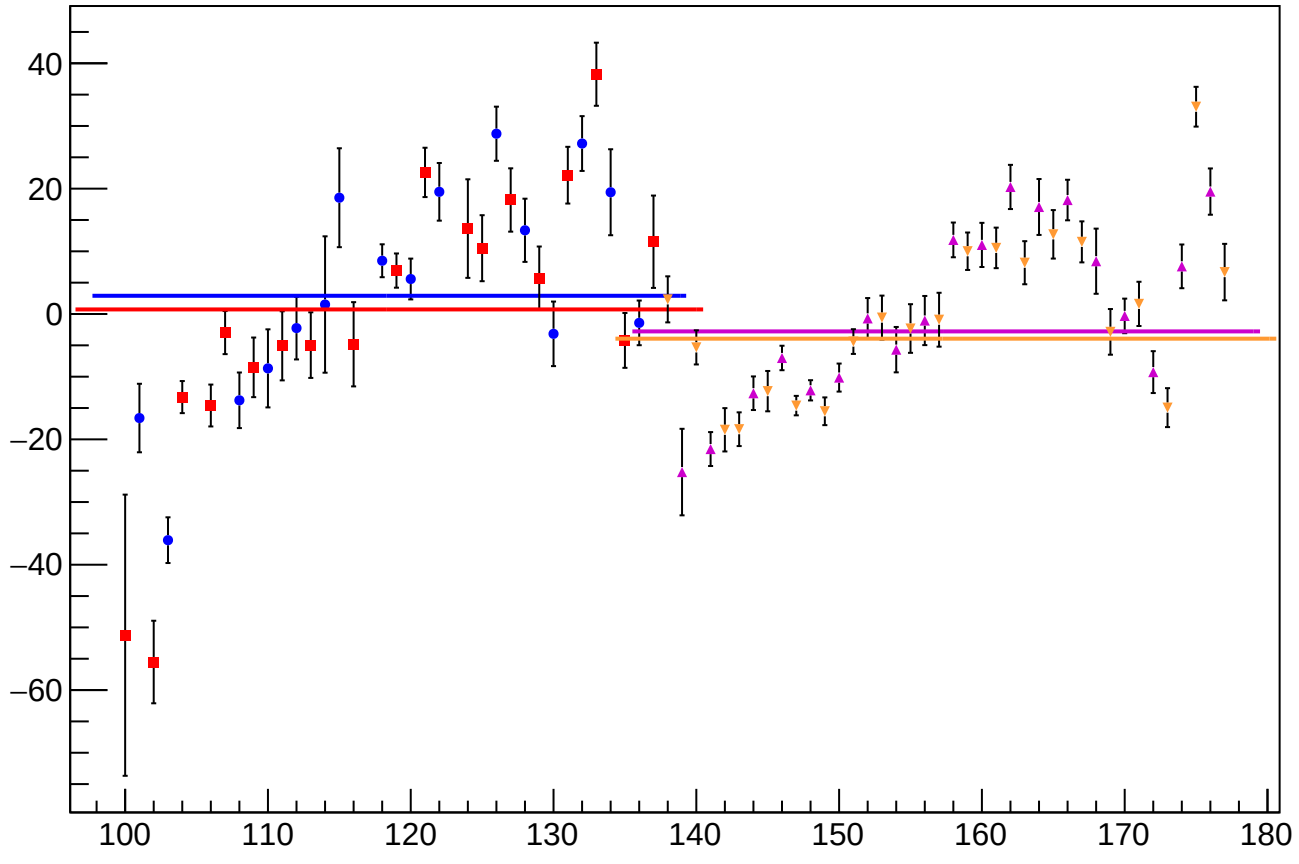
Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 190.502+/-0.958 χ^2/NDF:799.3/18

+ sign 184.731+/-0.704 χ^2/NDF: 2851.0/36

All: 181.149+/-0.494 χ^2/NDF: 6491.6/74

- sign 177.689+/-0.692 χ^2/NDF: 3589.7/37



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -3.937+/-0.637 χ^2/NDF:384.5/20

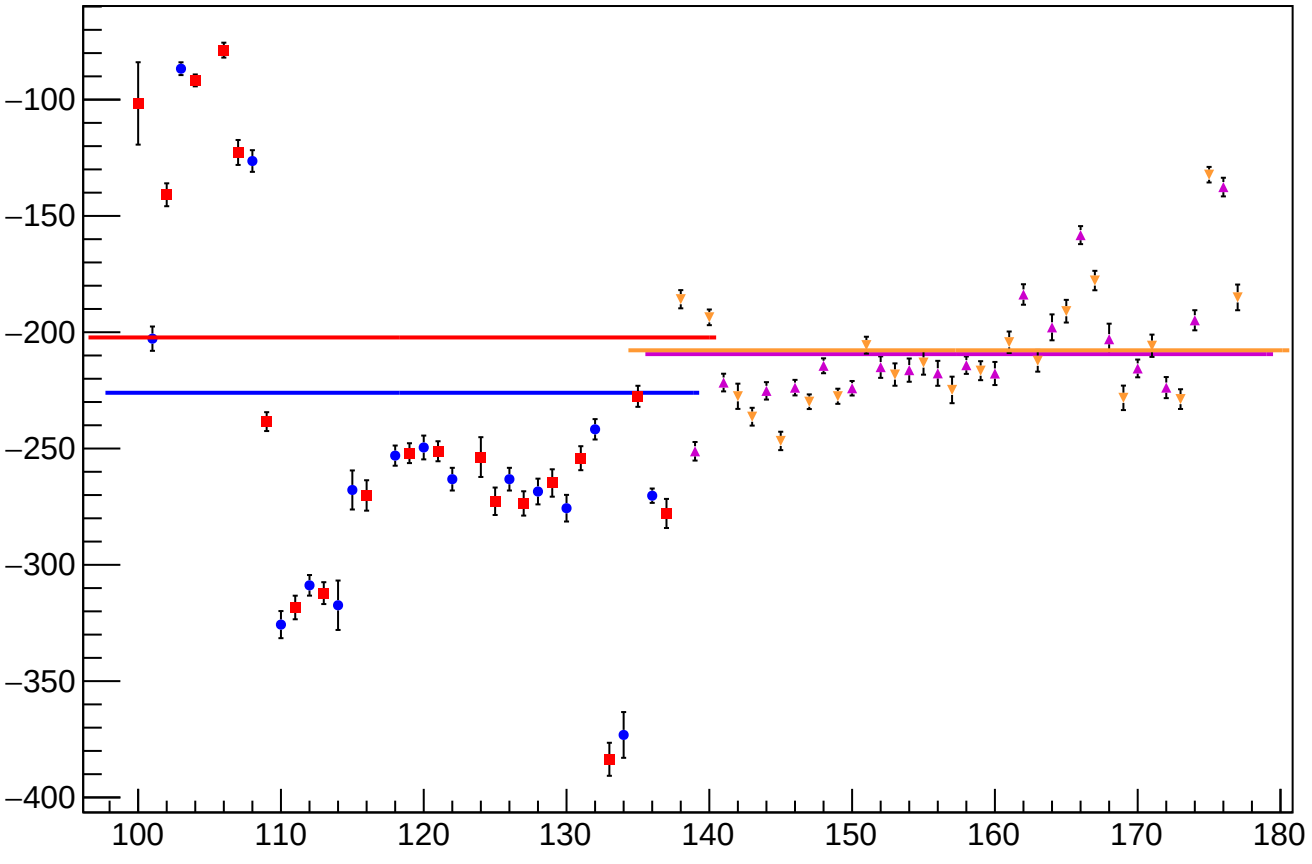
Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -2.775+/-0.670 χ^2/NDF:325.1/18

+ sign -2.229+/-0.552 χ^2/NDF: 660.9/36

All: -1.972+/-0.392 χ^2/NDF: 1268.4/74

- sign -1.708+/-0.558 χ^2/NDF: 607.0/37



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -207.772+/-0.909 χ^2/NDF:951.5/20

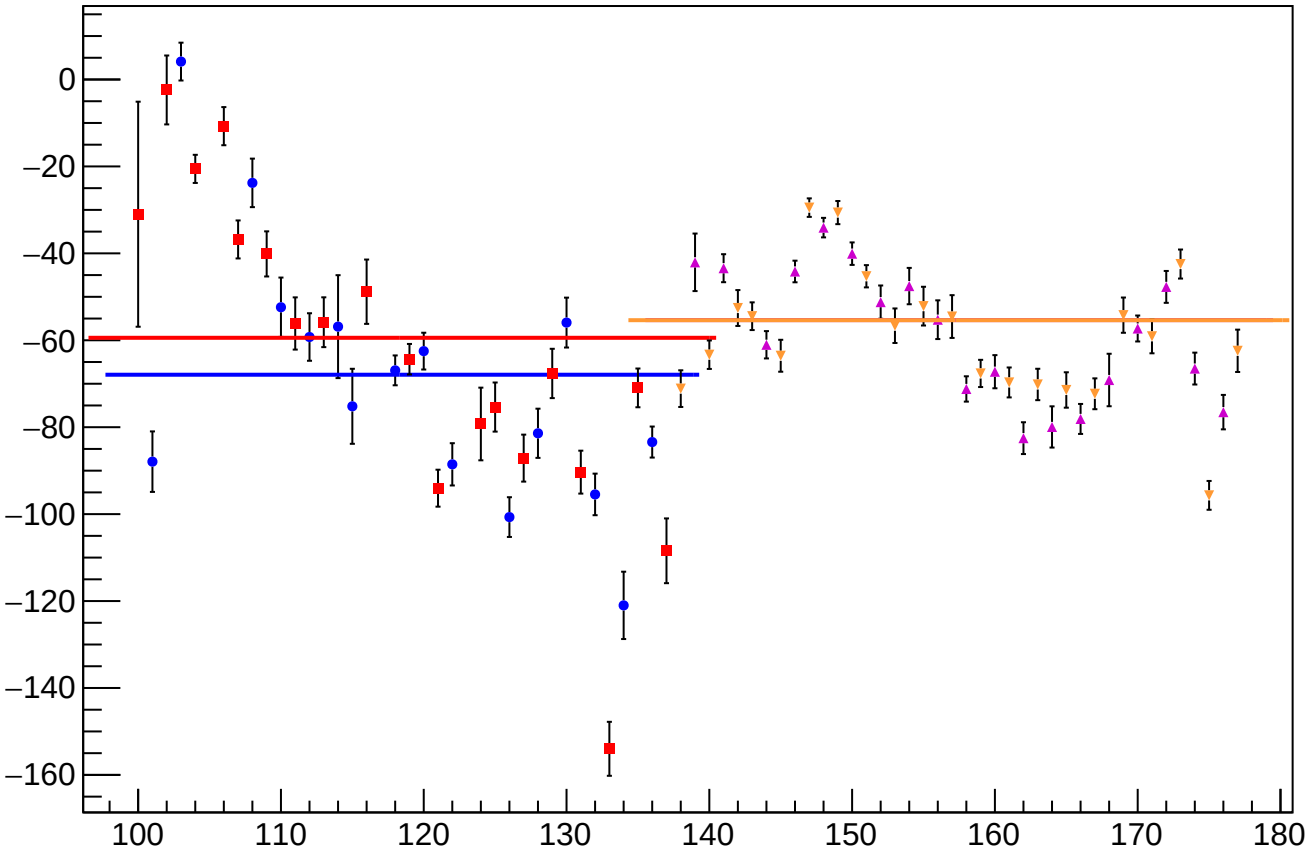
Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -209.409+/-0.940 χ^2/NDF:750.0/18

+ sign -214.603+/-0.719 χ^2/NDF: 5641.6/36

All: -210.429+/-0.505 χ^2/NDF: 13173.8/74

- sign -206.346+/-0.711 χ^2/NDF: 7465.6/37



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -55.380+/-0.745 χ^2/NDF:529.2/20

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

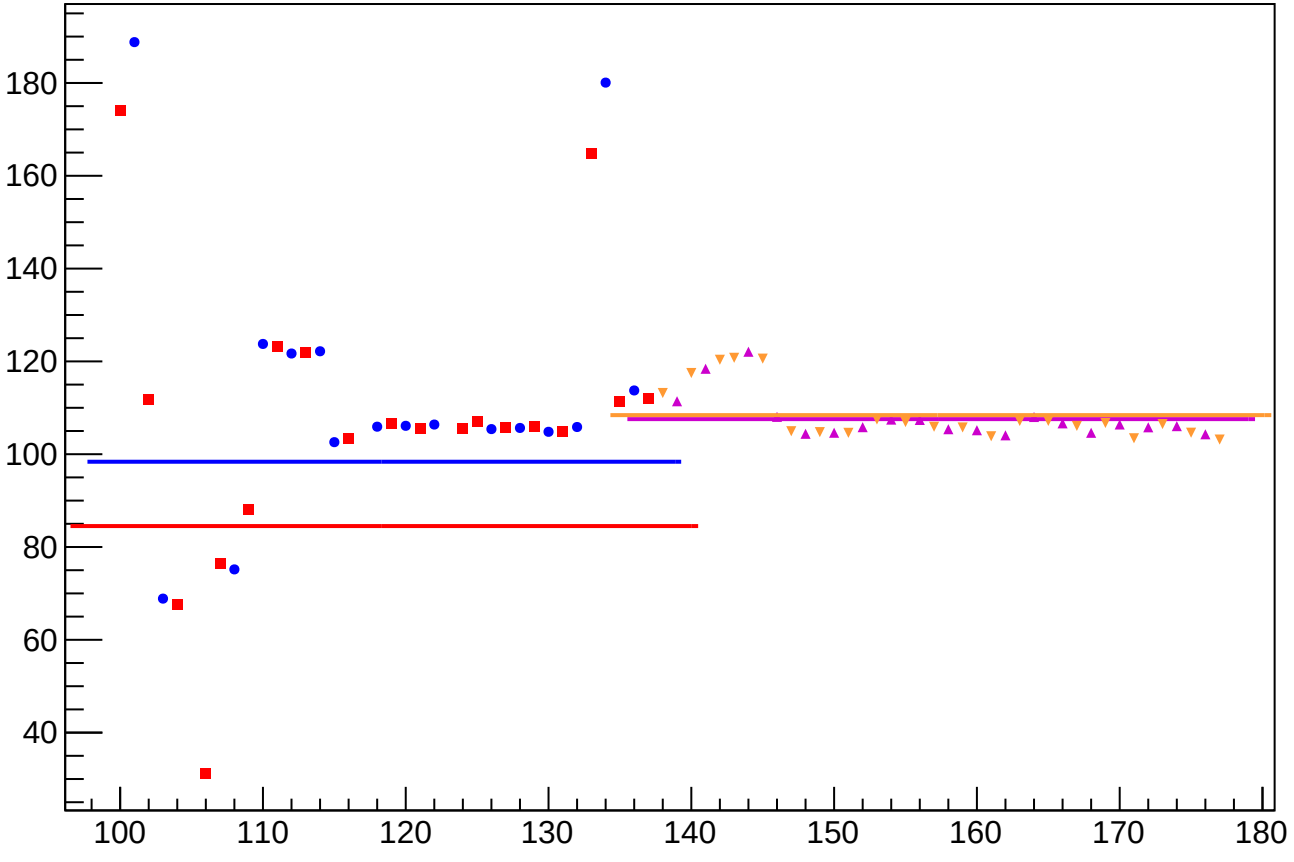
Left In: -55.356+/-0.779 χ^2/NDF:383.0/18

+ sign -58.563+/-0.644 χ^2/NDF: 1135.2/36

All: -57.585+/-0.458 χ^2/NDF: 2325.9/74

- sign -56.586+/-0.651 χ^2/NDF: 1186.1/37

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.421+/-0.035 χ^2/NDF:25720.6/20

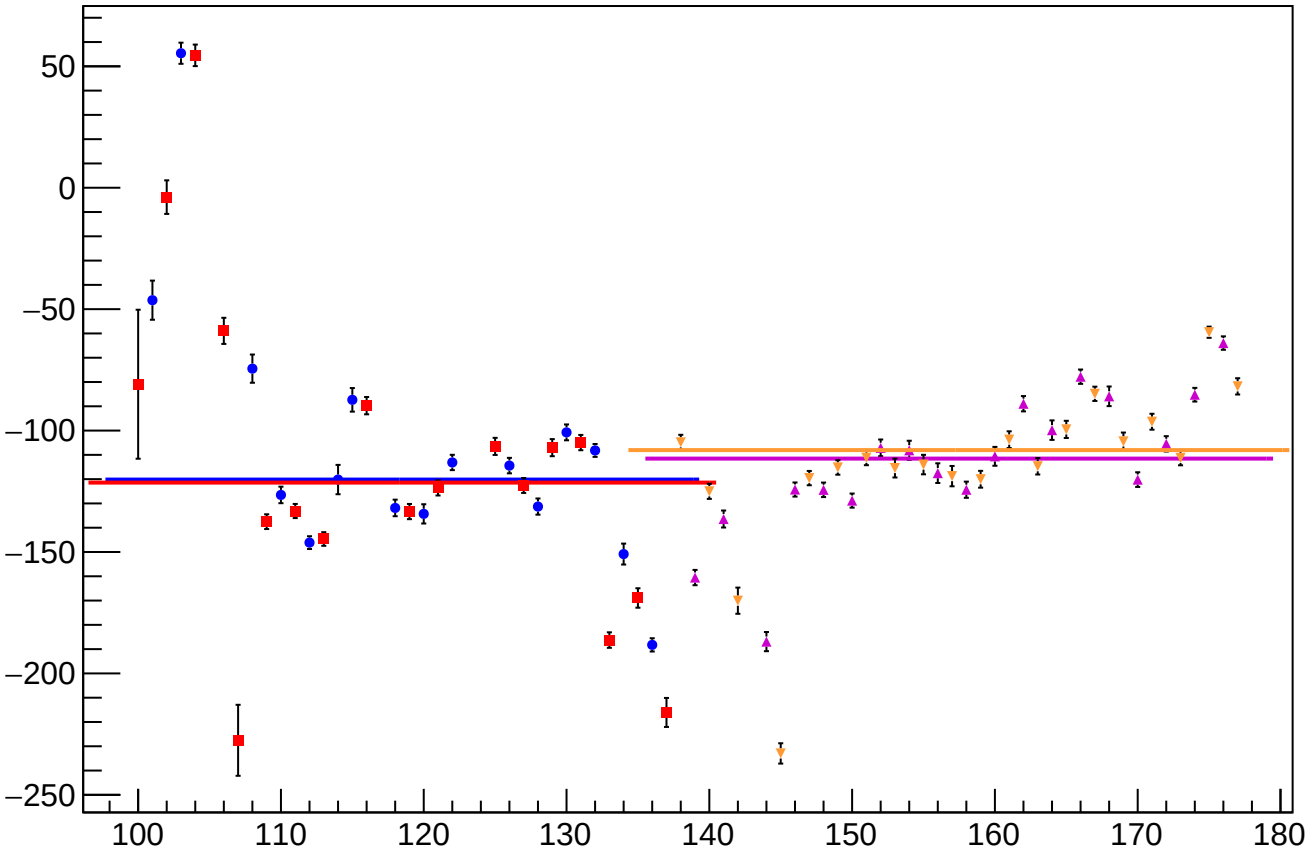
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.561+/-0.036 χ^2/NDF:16151.1/18

\+ sign 106.203+/-0.031 χ^2/NDF: 272164.1/36

All: 103.900+/-0.022 χ^2/NDF: 675544.2/74

\- sign 101.642+/-0.031 χ^2/NDF: 392468.0/37



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -108.037+/-0.741 χ^2/NDF:1692.1/19

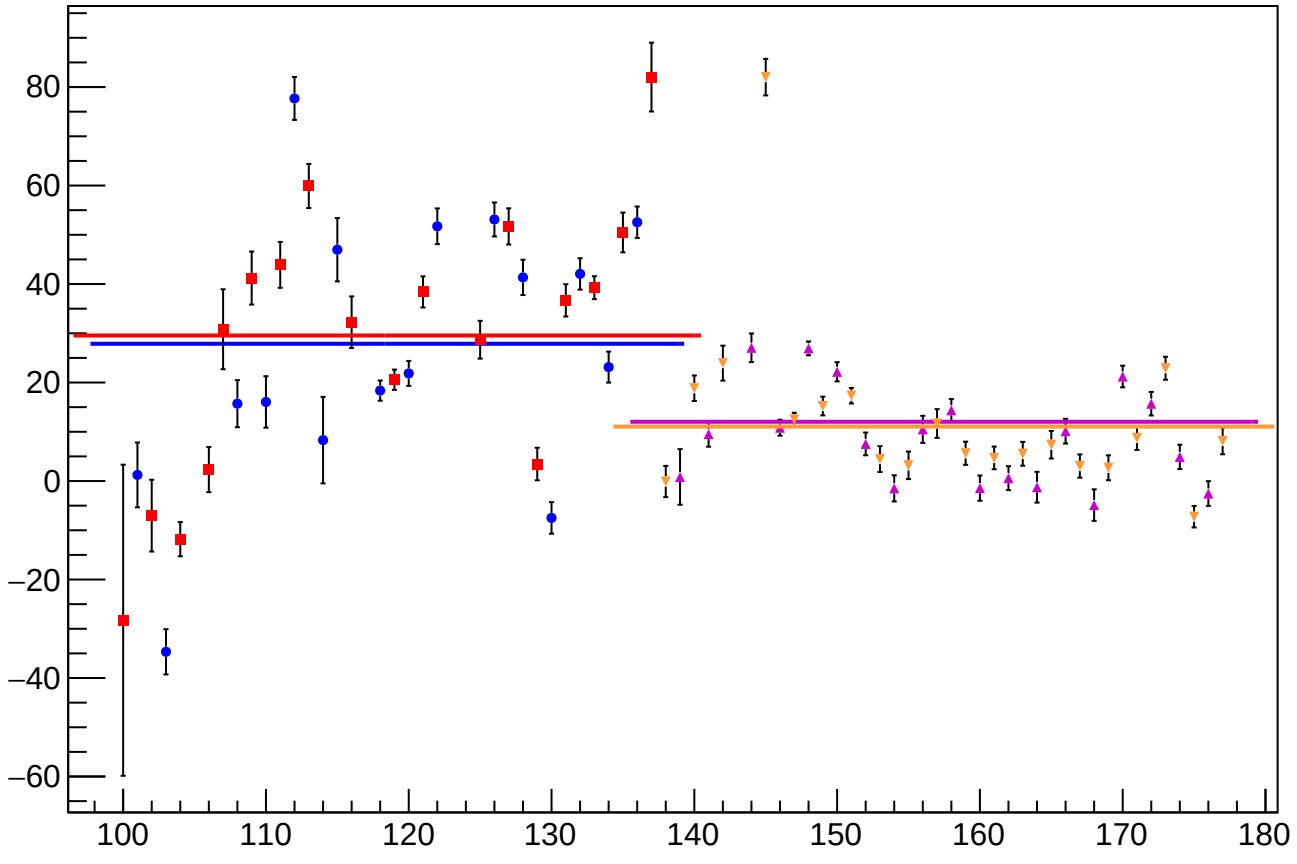
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -111.540+/-0.752 χ^2/NDF:1375.5/18

+ sign -113.004+/-0.570 χ^2/NDF: 4493.1/35

All: -114.369+/-0.403 χ^2/NDF: 9079.7/72

- sign -115.737+/-0.571 χ^2/NDF: 4575.1/36



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 11.055+/-0.519 χ^2/NDF:575.6/19

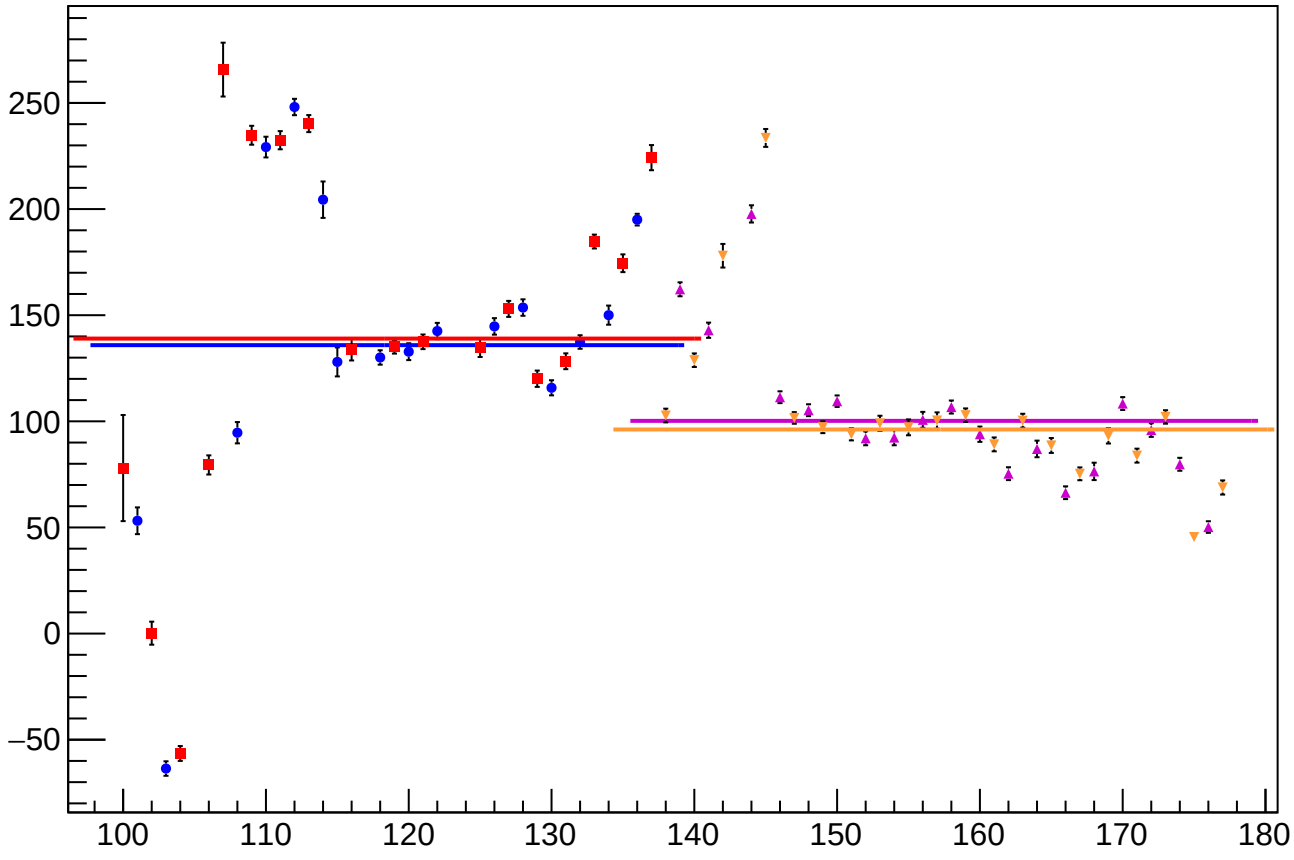
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.034+/-0.535 χ^2/NDF:360.8/18

\+ sign 15.338+/-0.448 χ^2/NDF: 1542.4/35

All: 15.998+/-0.321 χ^2/NDF: 2689.8/72

\- sign 16.690+/-0.459 χ^2/NDF: 1142.9/36



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 96.155+/-0.726 χ^2/NDF:2025.6/19

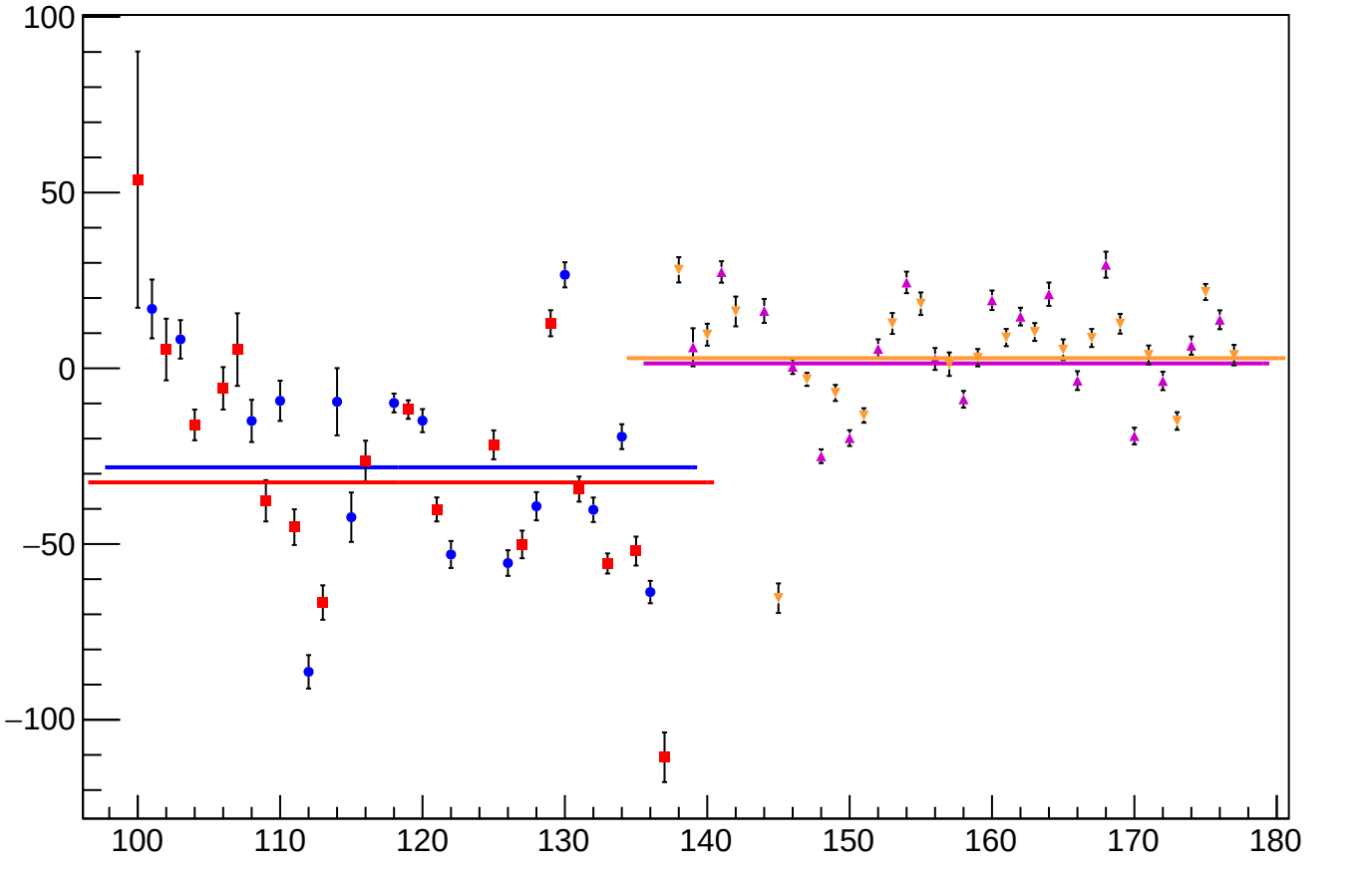
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 100.217+/-0.738 χ^2/NDF:1751.8/18

\+ sign 109.889+/-0.587 χ^2/NDF: 8525.0/35

All: 111.879+/-0.417 χ^2/NDF: 17431.9/72

\- sign 113.911+/-0.593 χ^2/NDF: 8883.7/36



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 2.890+/-0.598 χ^2/NDF:605.0/19

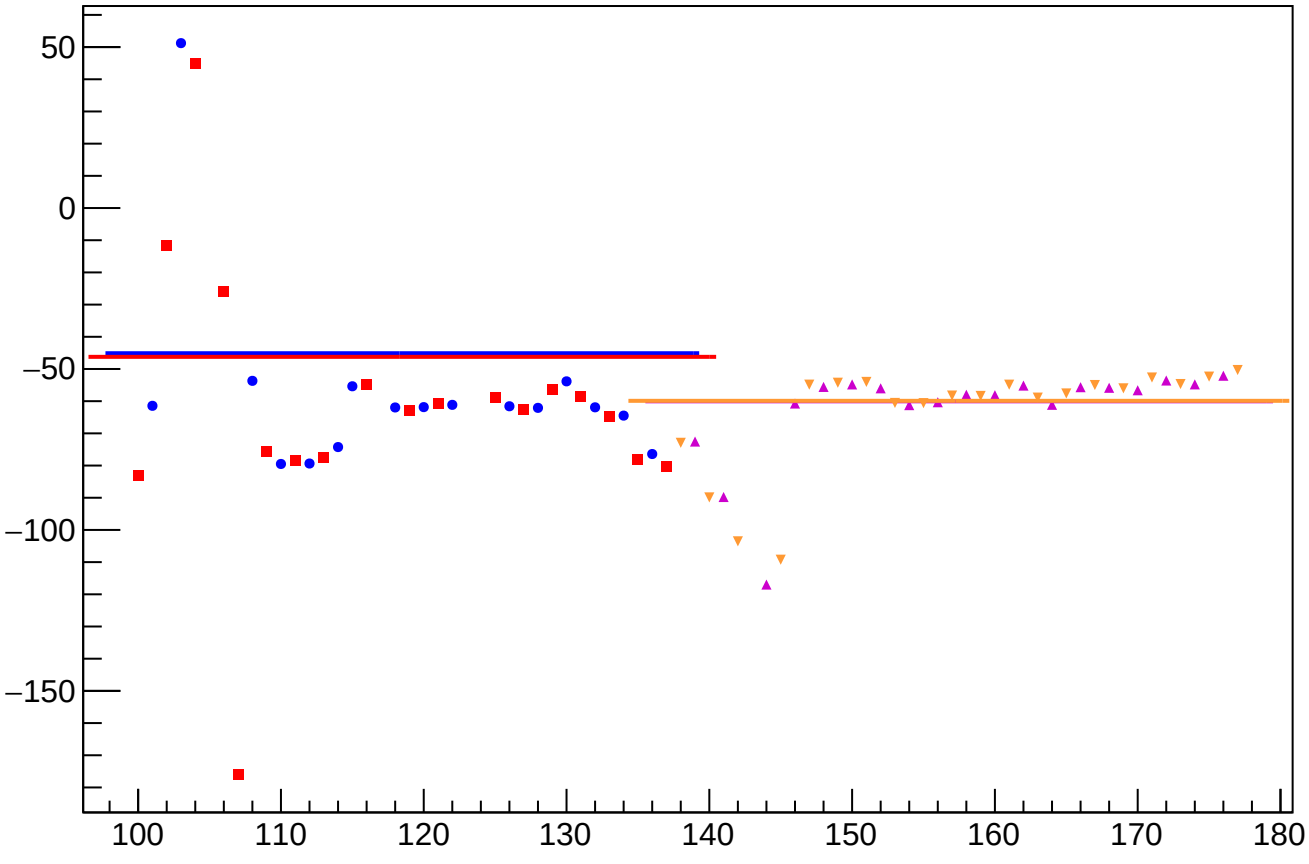
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 1.384+/-0.616 χ^2/NDF:710.8/18

+ sign -5.038+/-0.516 χ^2/NDF: 2084.0/35

All: -6.271+/-0.369 χ^2/NDF: 4185.7/72

- sign -7.560+/-0.528 χ^2/NDF: 2090.0/36



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -59.893+/-0.028 χ^2/NDF:209079.2/19

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

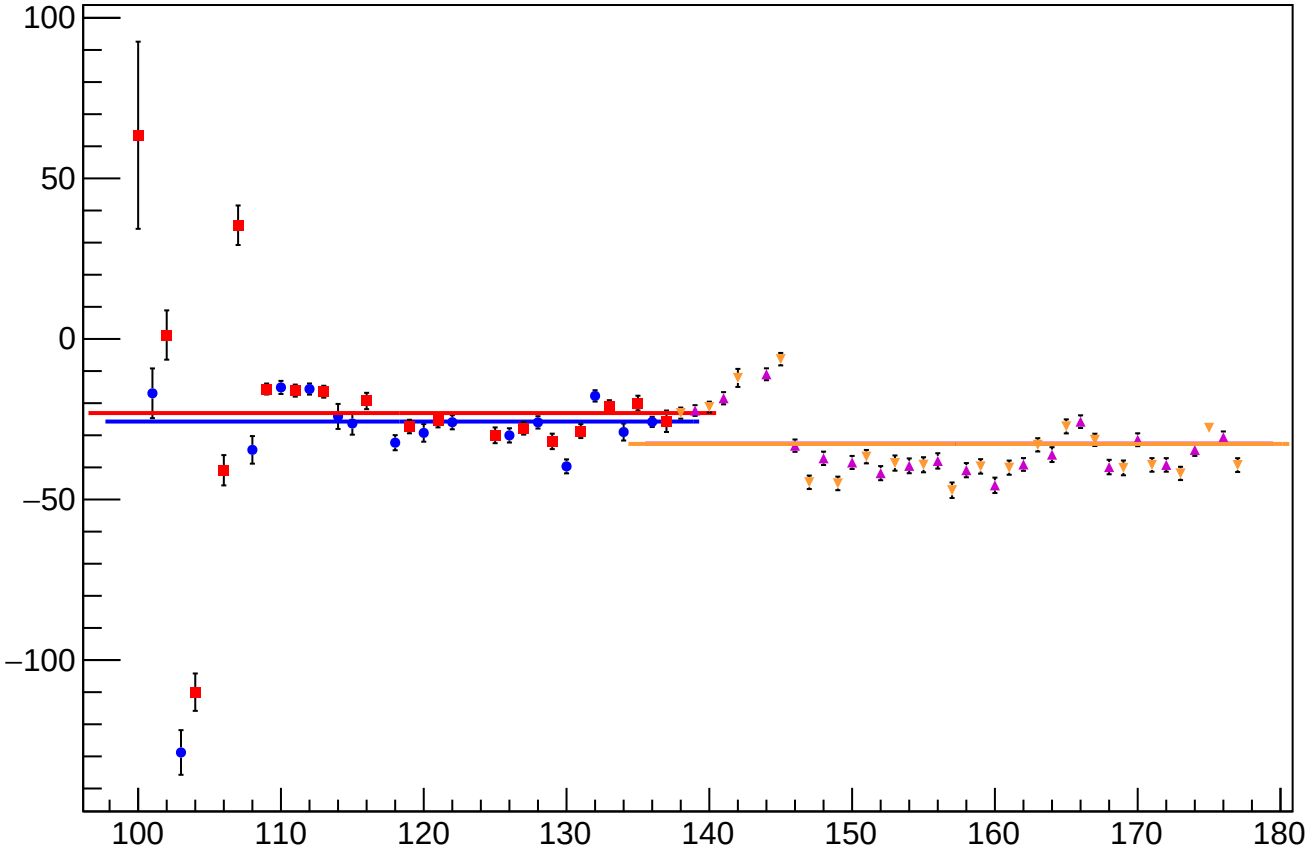
Left In: -60.047+/-0.028 χ^2/NDF:171157.7/18

\+ sign -57.334+/-0.025 χ^2/NDF: 834265.8/35

All: -57.566+/-0.018 χ^2/NDF: 1540039.5/72

\- sign -57.802+/-0.025 χ^2/NDF: 705600.0/36

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: -32.691+/-0.462 χ^2/NDF:522.5/19

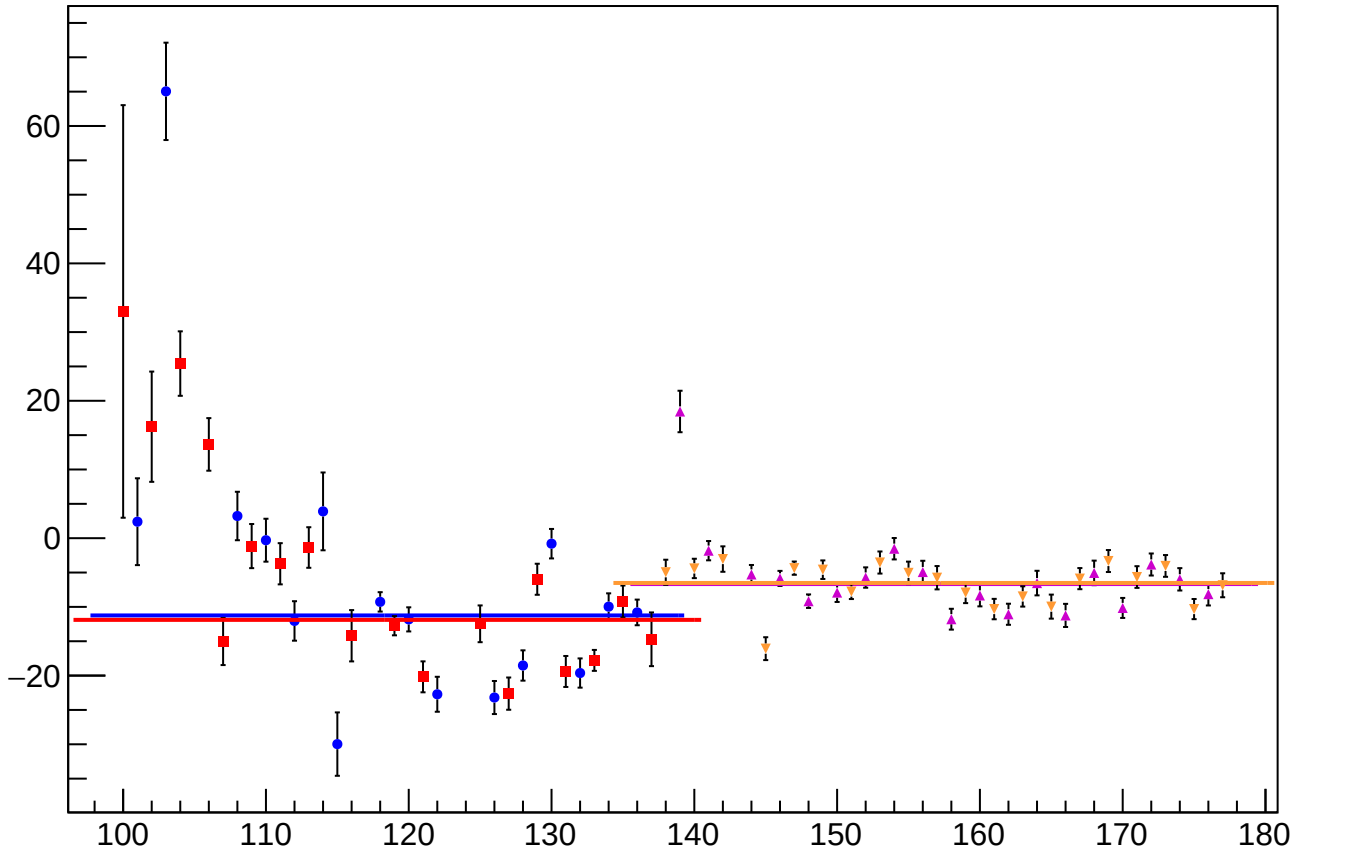
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.599+/-0.468 χ^2/NDF:363.8/18

+ sign -30.043+/-0.364 χ^2/NDF: 971.9/35

All: -29.453+/-0.258 χ^2/NDF: 1940.6/72

- sign -28.861+/-0.365 χ^2/NDF: 963.5/36



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.516+/-0.332 χ^2/NDF:79.0/19

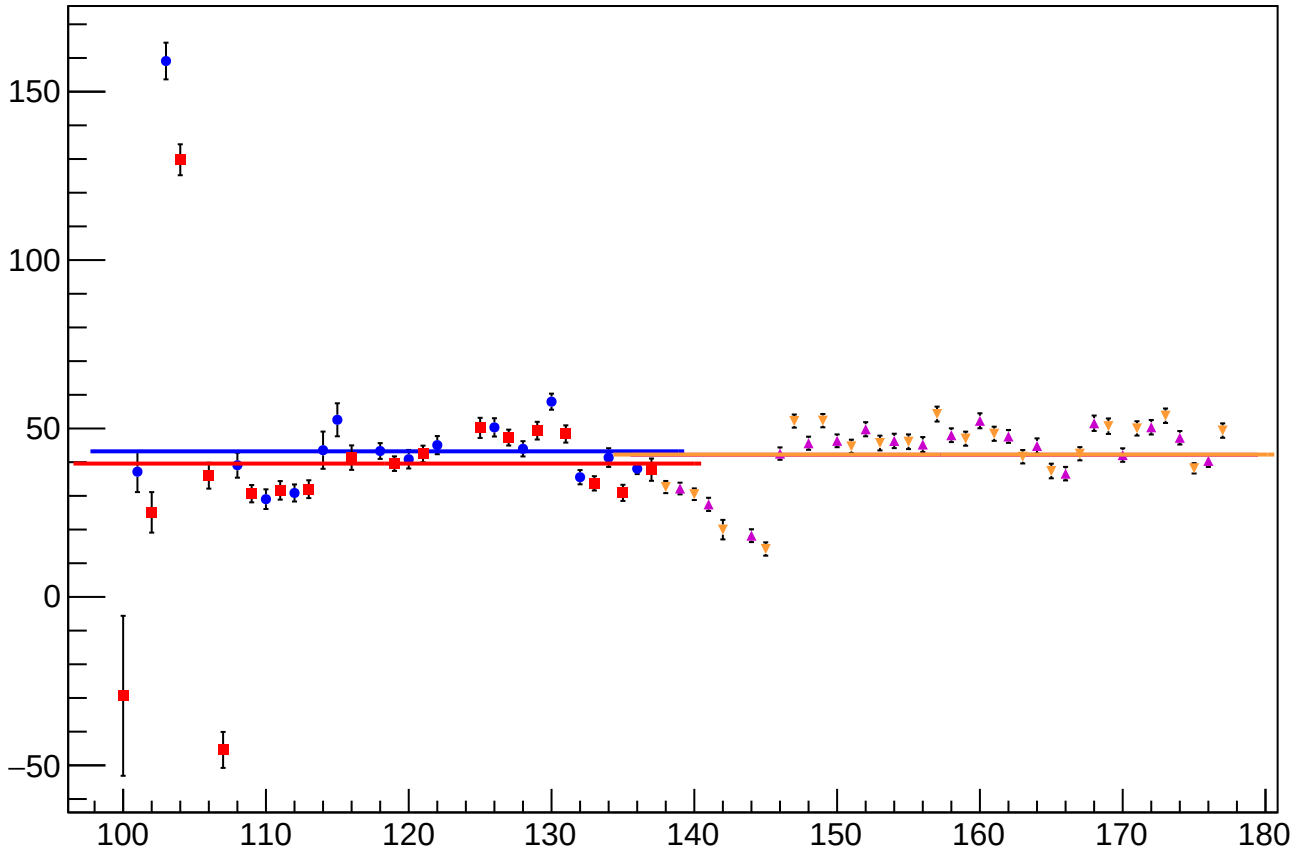
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.676+/-0.341 χ^2/NDF:141.2/18

\+ sign -7.623+/-0.290 χ^2/NDF: 397.7/35

All: -7.770+/-0.208 χ^2/NDF: 820.0/72

\- sign -7.924+/-0.297 χ^2/NDF: 421.8/36



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 42.265+/-0.454 χ^2/NDF:515.0/19

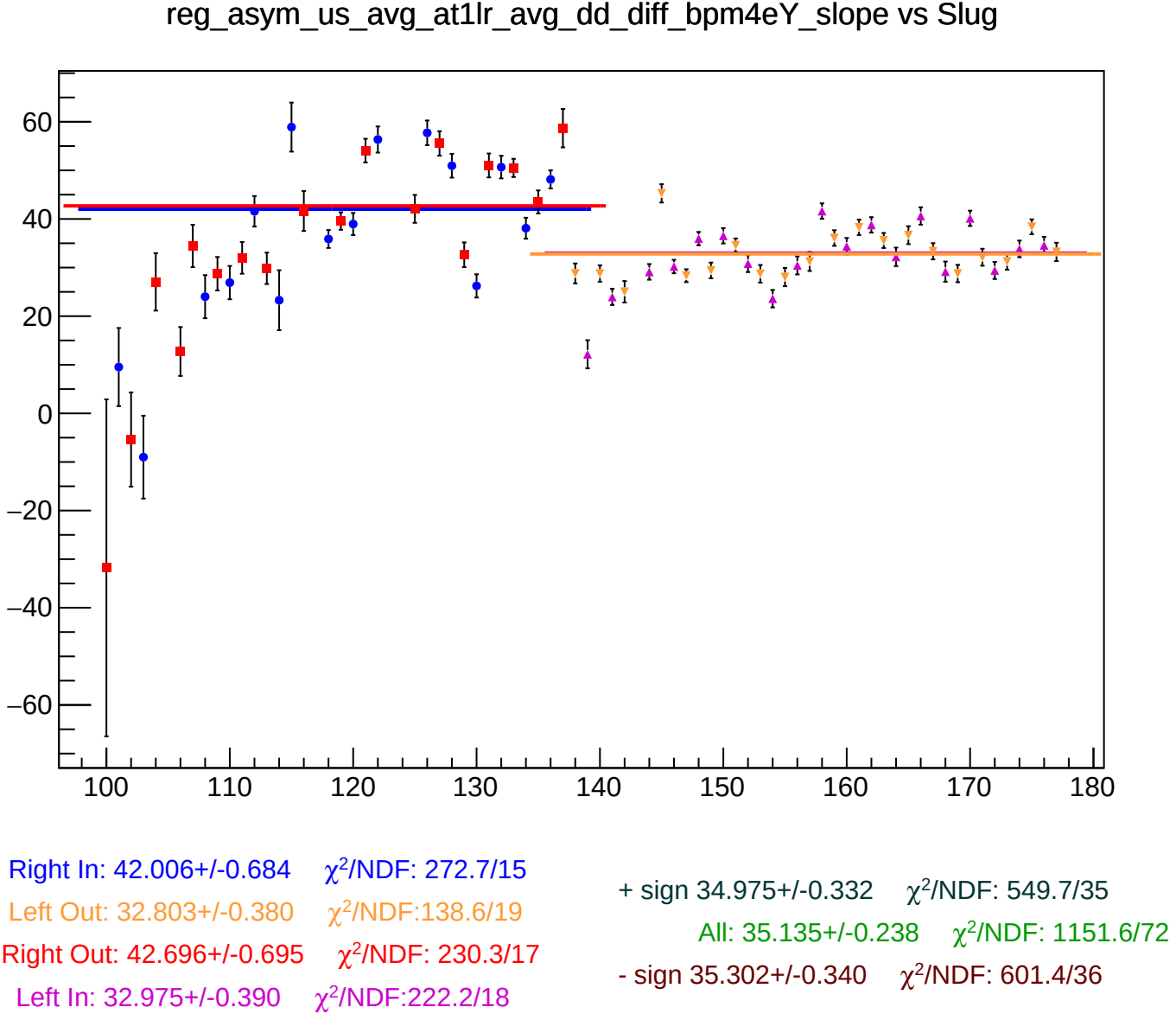
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

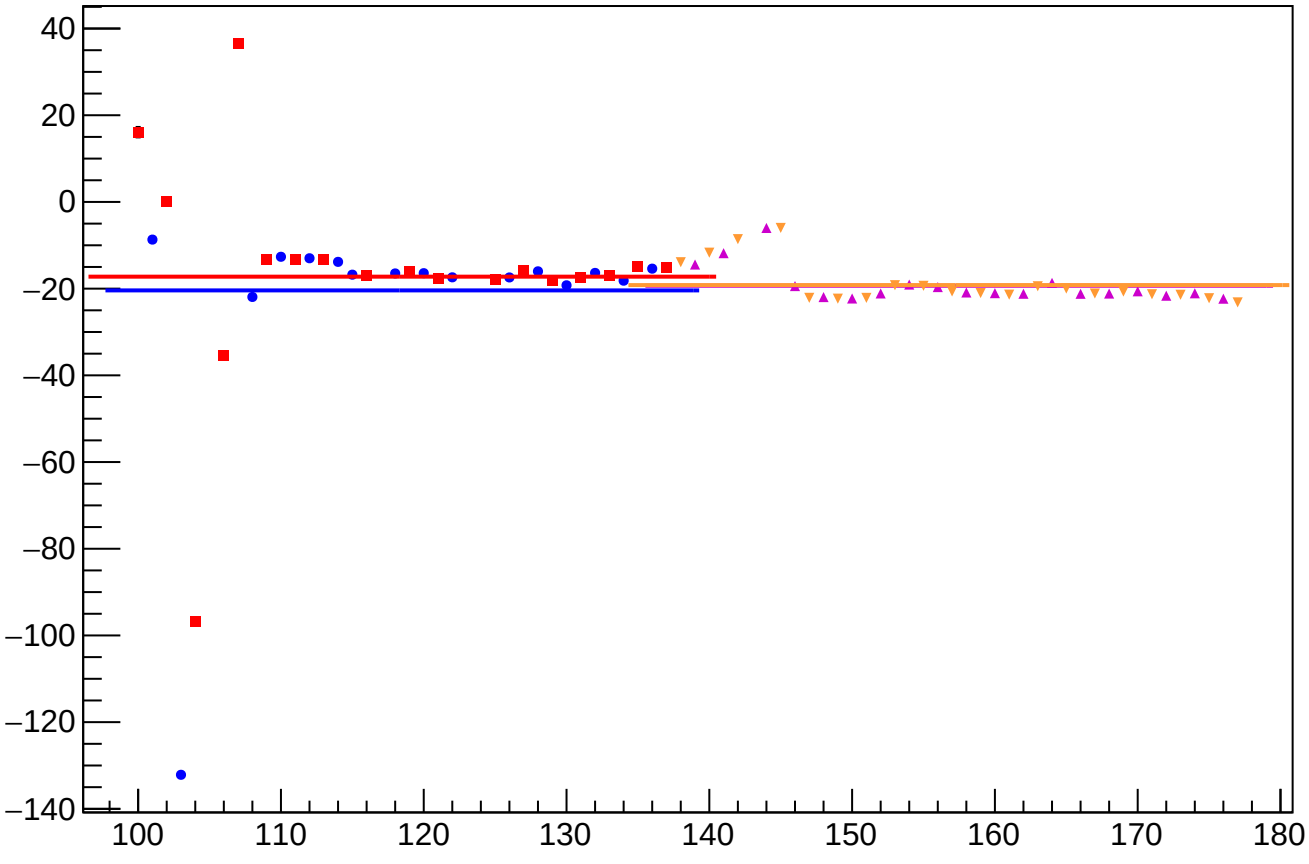
Left In: 42.192+/-0.460 χ^2/NDF:358.1/18

\+ sign 42.561+/-0.377 χ^2/NDF: 1092.4/35

All: 41.978+/-0.268 χ^2/NDF: 2219.3/72

\- sign 41.381+/-0.382 χ^2/NDF: 1122.1/36


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: 32.803+/-0.380 χ²/NDF:138.6/19
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 32.975+/-0.390 χ²/NDF:222.2/18
+ sign 34.975+/-0.332 χ²/NDF: 549.7/35
All: 35.135+/-0.238 χ²/NDF: 1151.6/72
- sign 35.302+/-0.340 χ²/NDF: 601.4/36



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -19.182+/-0.017 χ^2/NDF:64896.1/19

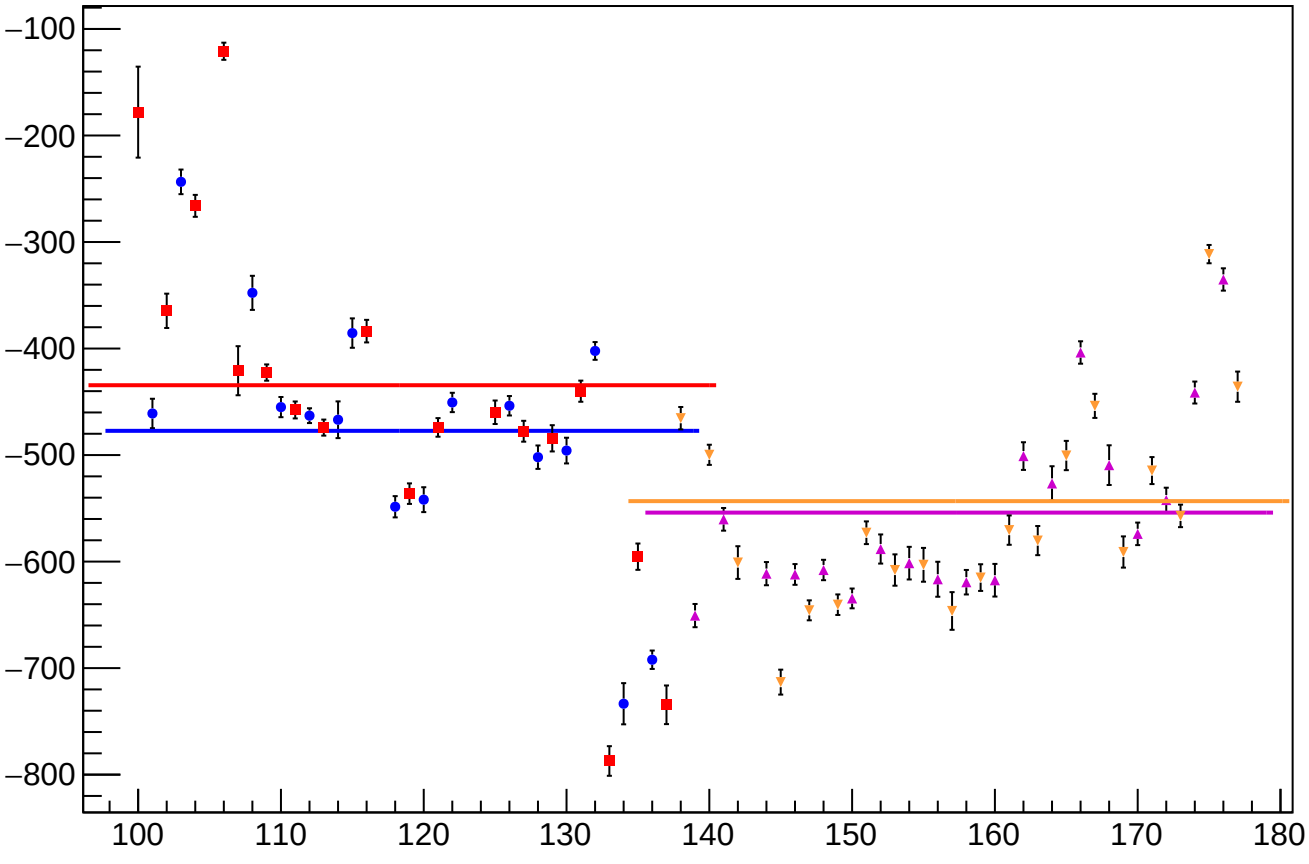
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.335+/-0.017 χ^2/NDF:48903.6/18

+ sign -19.357+/-0.016 χ^2/NDF: 311237.8/35

All: -19.209+/-0.011 χ^2/NDF: 566941.8/72

- sign -19.059+/-0.016 χ^2/NDF: 255529.0/36



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -543.252+/-2.645 χ^2/NDF:1516.4/19

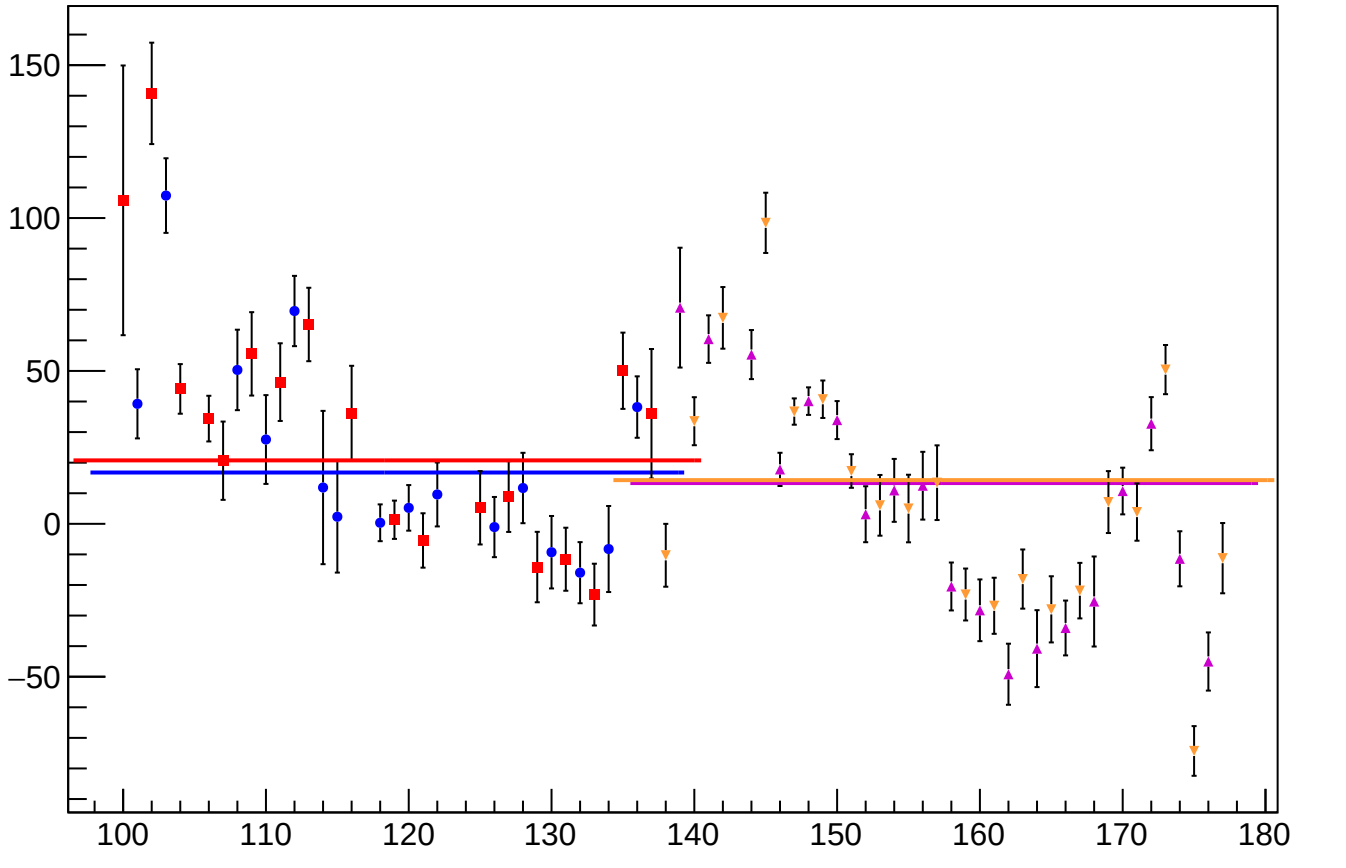
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -554.020+/-2.668 χ^2/NDF:1118.4/18

+ sign -510.103+/-1.866 χ^2/NDF: 3339.9/35

All: -499.476+/-1.299 χ^2/NDF: 8767.3/72

- sign -489.477+/-1.810 χ^2/NDF: 5364.5/36



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 14.292+/-1.822 χ^2/NDF:387.4/19

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

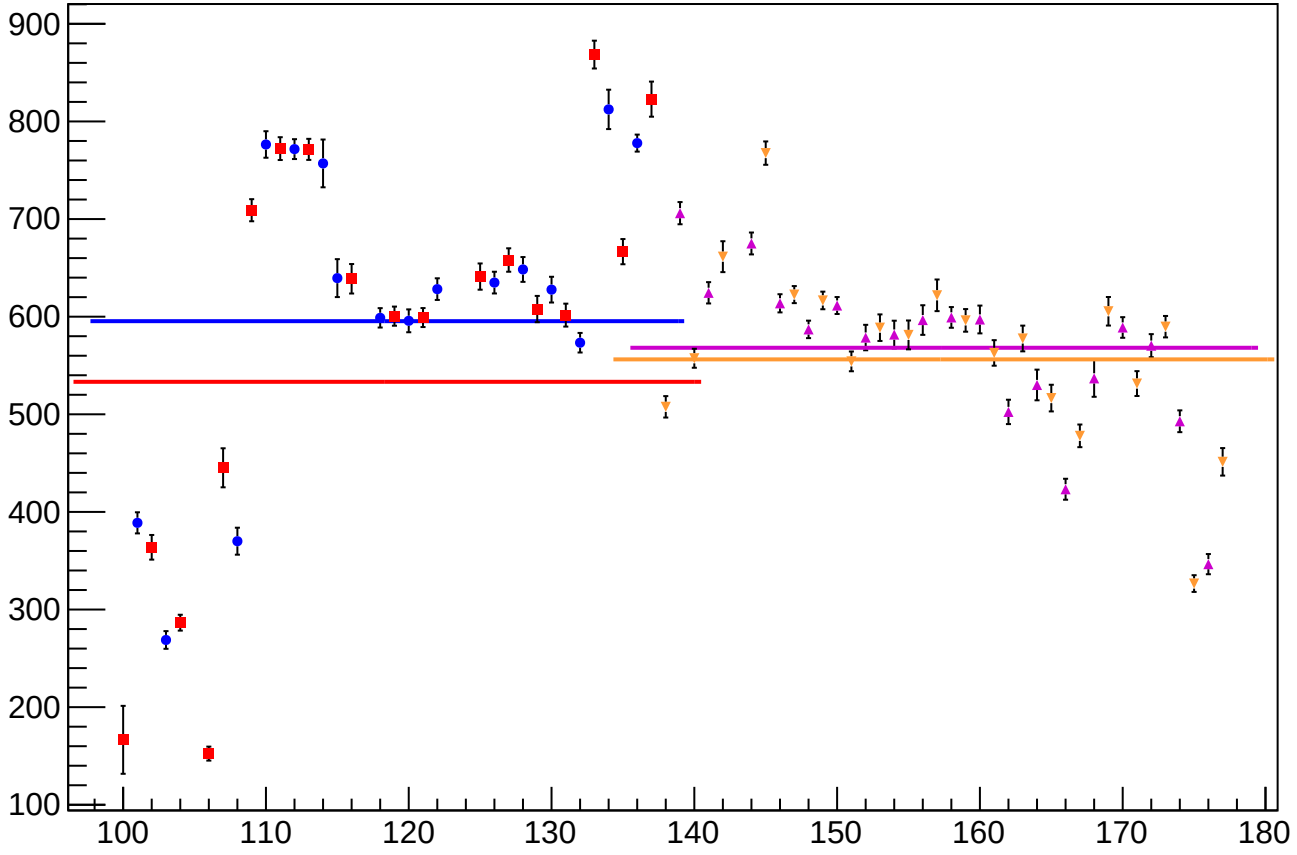
Left In: 13.335+/-1.868 χ^2/NDF:299.5/18

\+ sign 15.089+/-1.502 χ^2/NDF: 512.9/35

All: 15.507+/-1.064 χ^2/NDF: 976.1/72

\- sign 15.926+/-1.507 χ^2/NDF: 463.0/36

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: 556.257+/-2.595 χ^2/NDF:1370.6/19

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

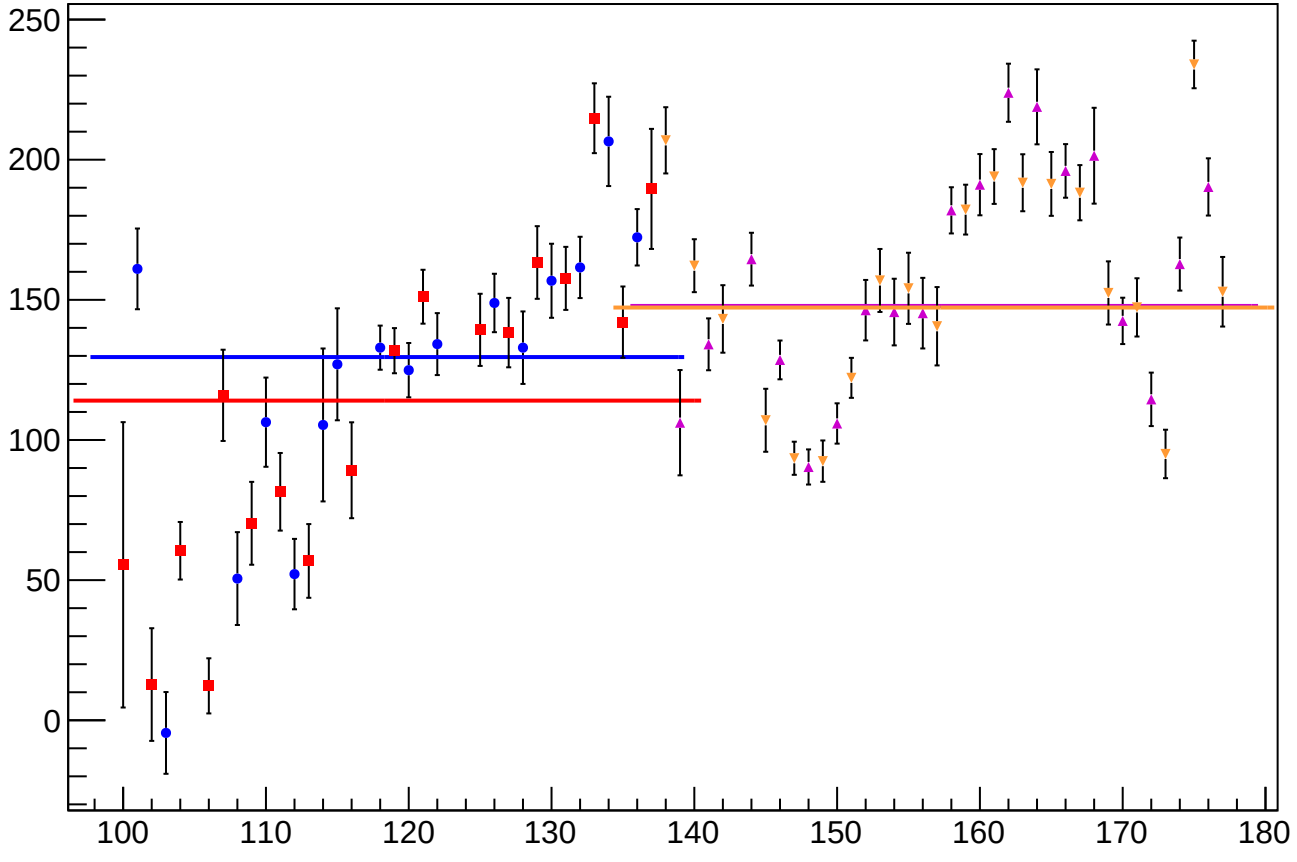
Left In: 568.156+/-2.618 χ^2/NDF:1062.7/18

+ sign 573.472+/-1.943 χ^2/NDF: 4530.4/35

All: 562.238+/-1.357 χ^2/NDF: 12245.6/72

- sign 551.548+/-1.895 χ^2/NDF: 7650.0/36

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 147.254+/-2.128 χ^2/NDF:423.8/19

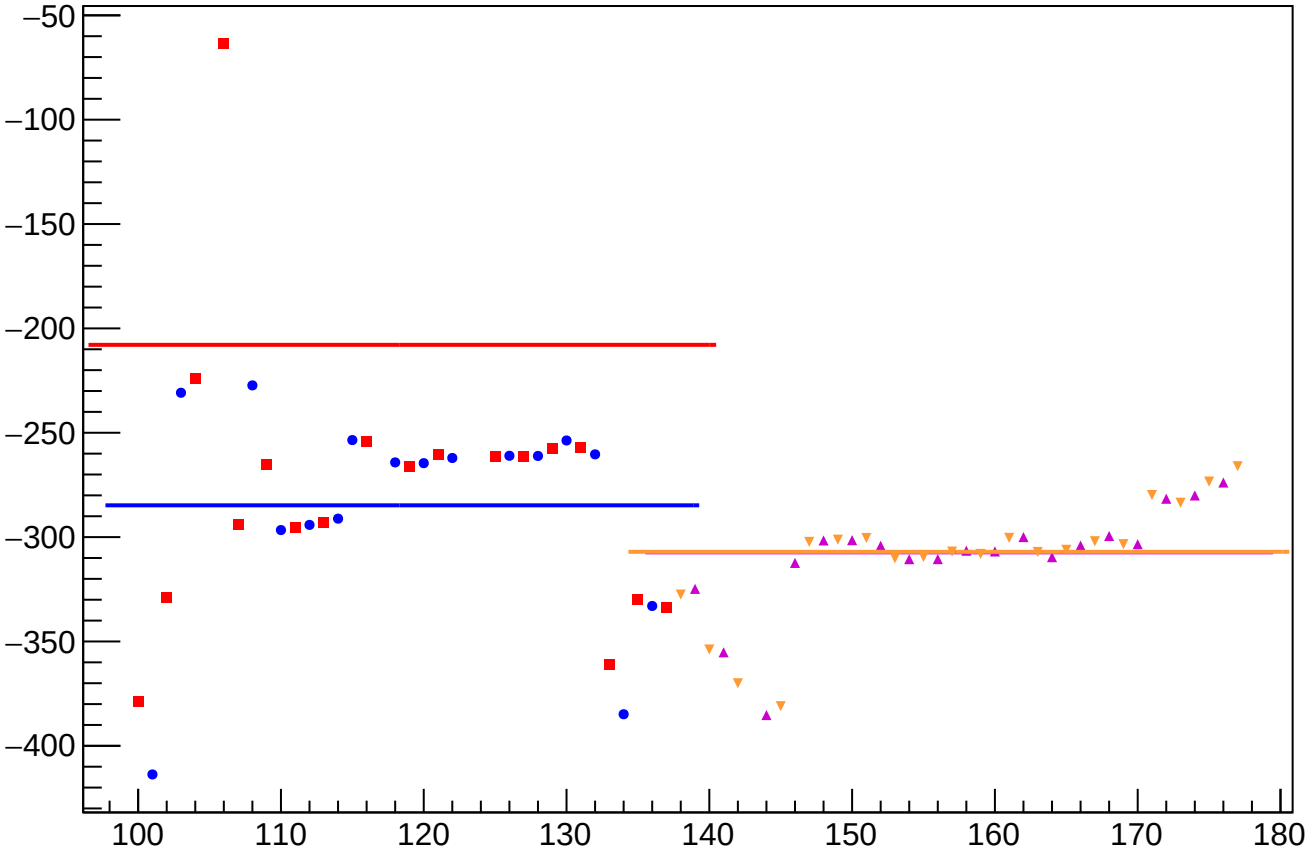
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 147.825+/-2.171 χ^2/NDF:318.5/18

+ sign 141.546+/-1.751 χ^2/NDF: 657.3/35

All: 138.824+/-1.239 χ^2/NDF: 1400.6/72

- sign 136.092+/-1.754 χ^2/NDF: 738.5/36



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -307.039+/-0.100 χ^2/NDF:69805.5/19

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

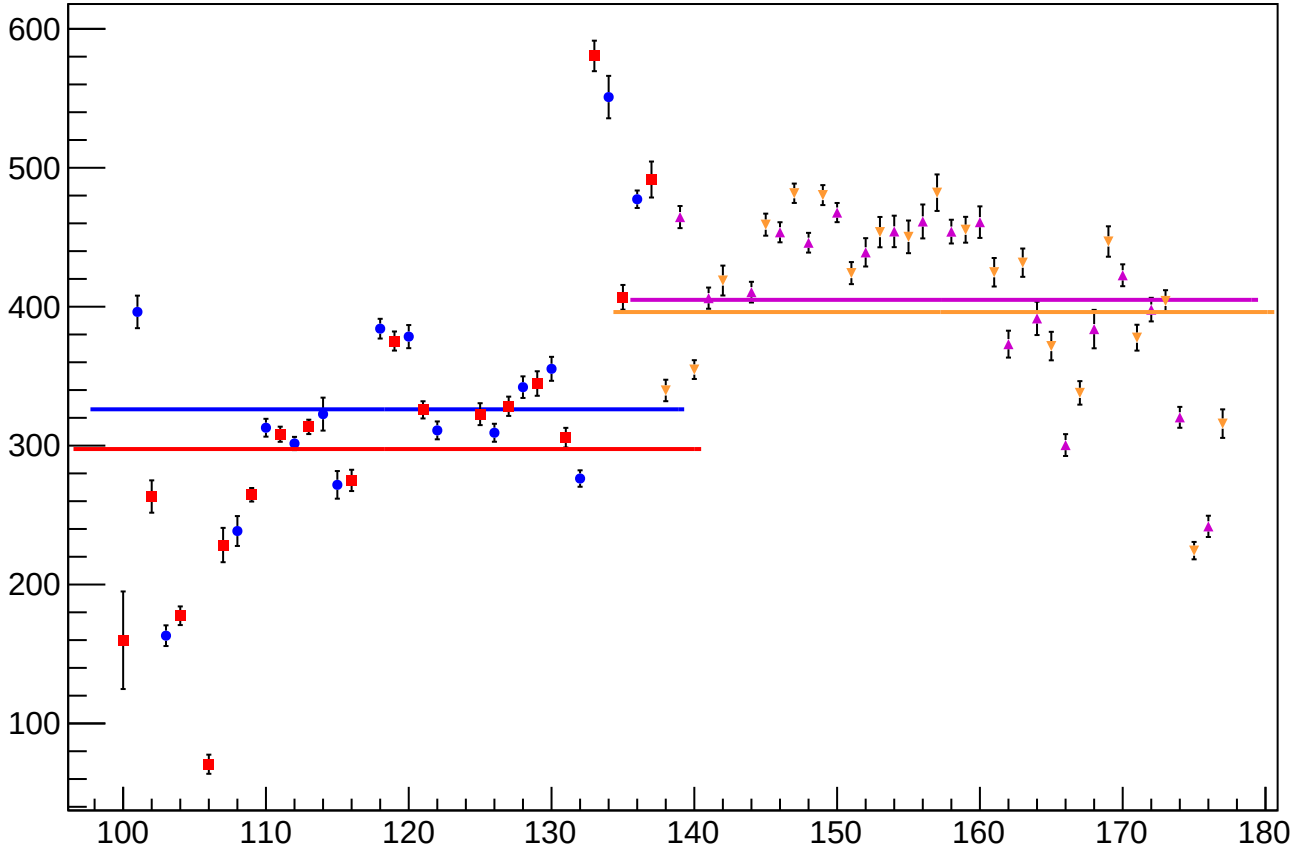
Left In: -307.306+/-0.099 χ^2/NDF:53376.7/18

+ sign -301.669+/-0.087 χ^2/NDF: 186119.0/35

All: -288.513+/-0.060 χ^2/NDF: 1128369.9/72

- sign -276.718+/-0.083 χ^2/NDF: 899067.2/36

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: 396.154+/-1.939 χ^2/NDF:1504.1/19

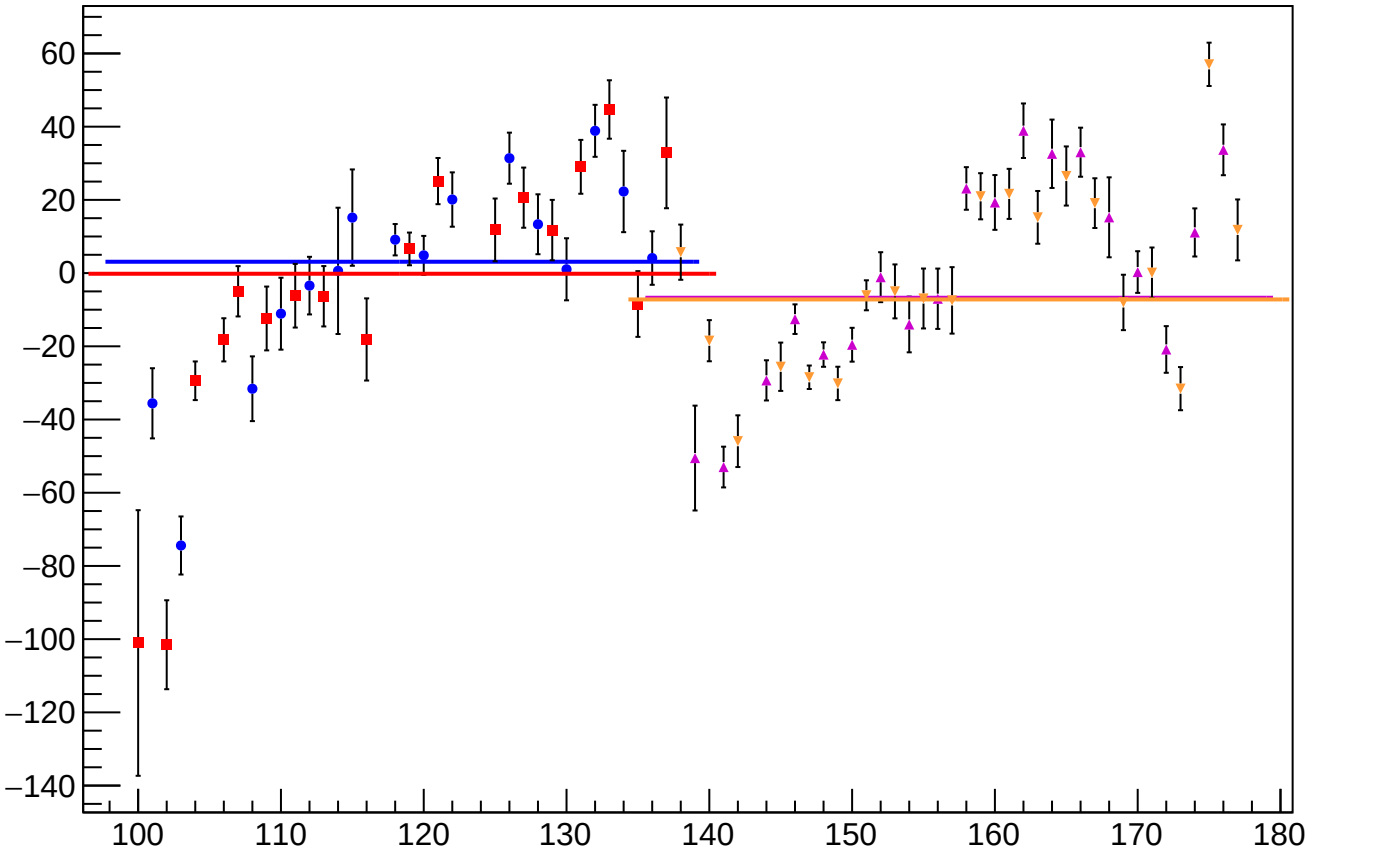
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 404.936+/-1.960 χ^2/NDF:1104.2/18

+ sign 359.628+/-1.341 χ^2/NDF: 3827.3/35

All: 351.932+/-0.933 χ^2/NDF: 9454.5/72

- sign 344.712+/-1.299 χ^2/NDF: 5563.4/36



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -7.198+/-1.341 χ^2/NDF:335.4/19

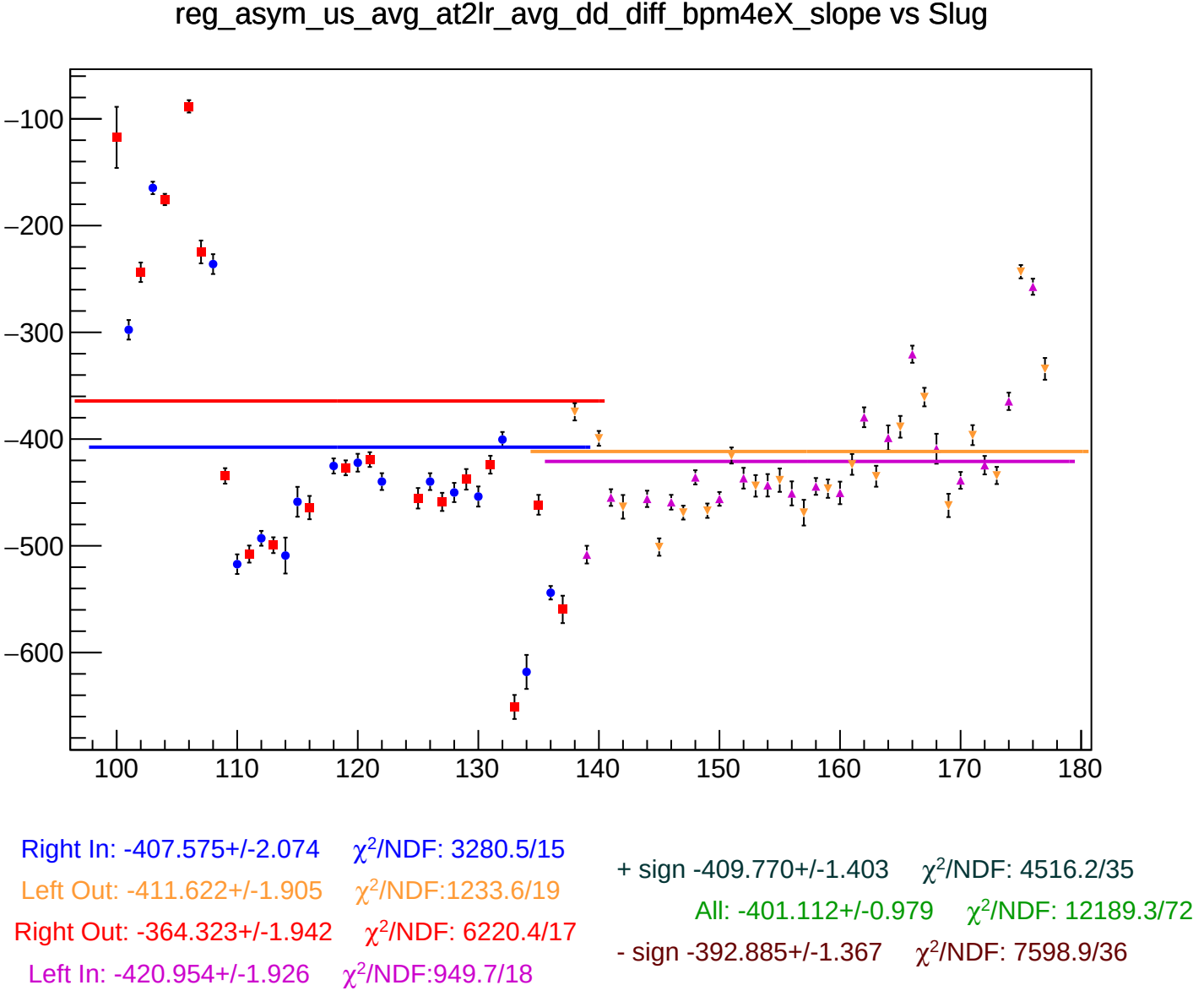
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -6.735+/-1.376 χ^2/NDF:308.9/18

+ sign -3.754+/-1.094 χ^2/NDF: 539.7/35

All: -4.029+/-0.773 χ^2/NDF: 1062.3/72

- sign -4.303+/-1.091 χ^2/NDF: 522.6/36



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -411.622+/-1.905 χ^2/NDF:1233.6/19

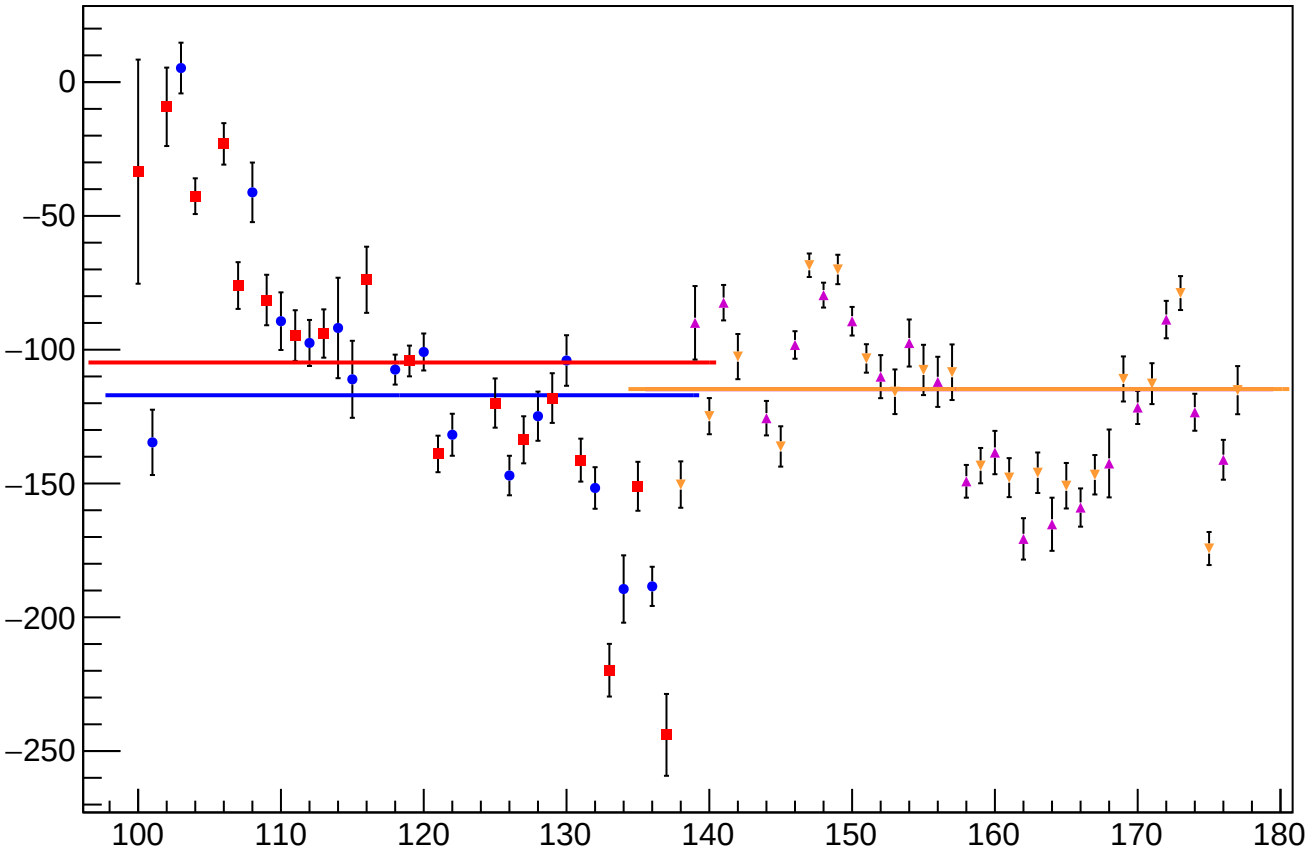
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -420.954+/-1.926 χ^2/NDF:949.7/18

+ sign -409.770+/-1.403 χ^2/NDF: 4516.2/35

All: -401.112+/-0.979 χ^2/NDF: 12189.3/72

- sign -392.885+/-1.367 χ^2/NDF: 7598.9/36



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -114.711+/-1.565 χ^2/NDF:430.6/19

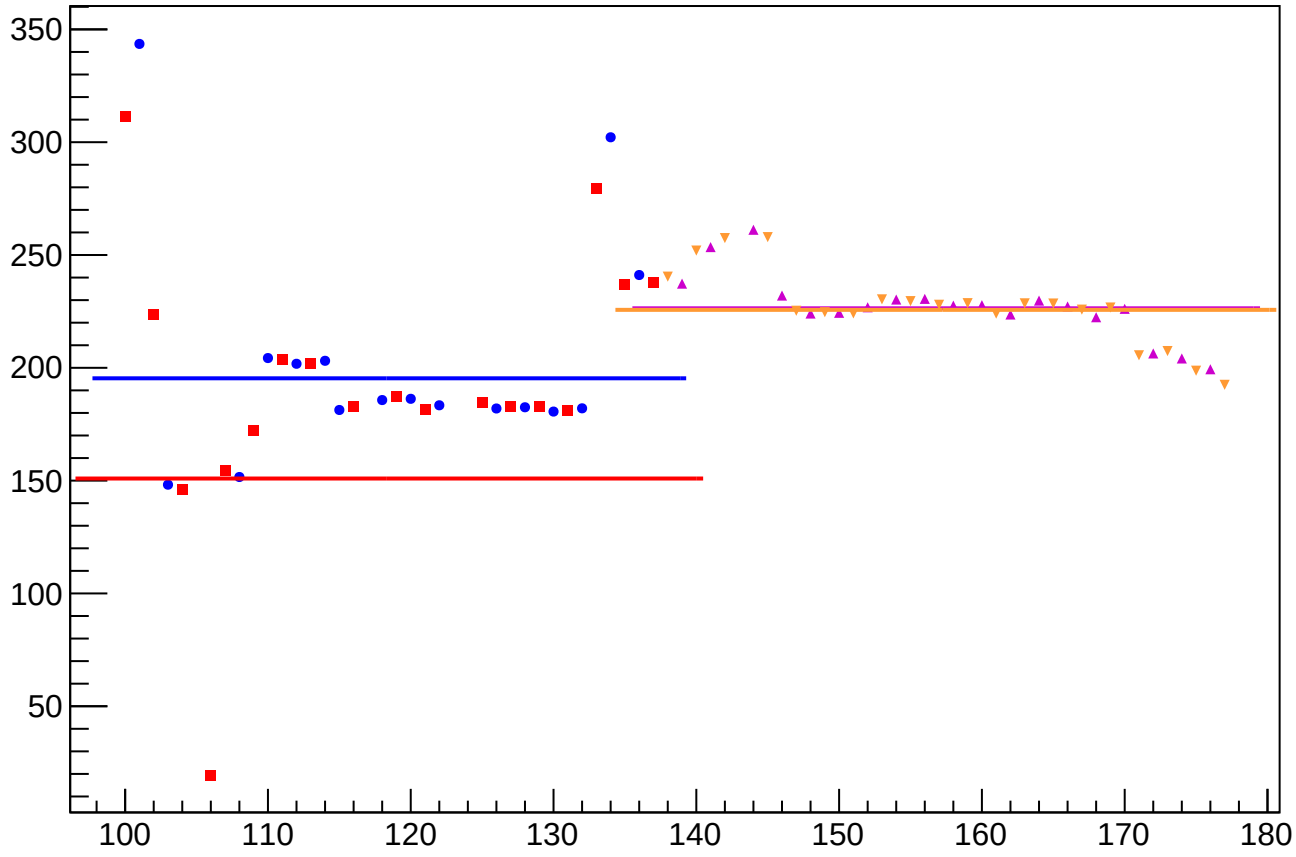
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -114.764+/-1.599 χ^2/NDF:314.8/18

+ sign -115.490+/-1.274 χ^2/NDF: 839.2/35

All: -113.277+/-0.900 χ^2/NDF: 1749.4/72

- sign -111.080+/-1.270 χ^2/NDF: 904.3/36



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 225.691+/-0.074 χ^2/NDF:49456.4/19

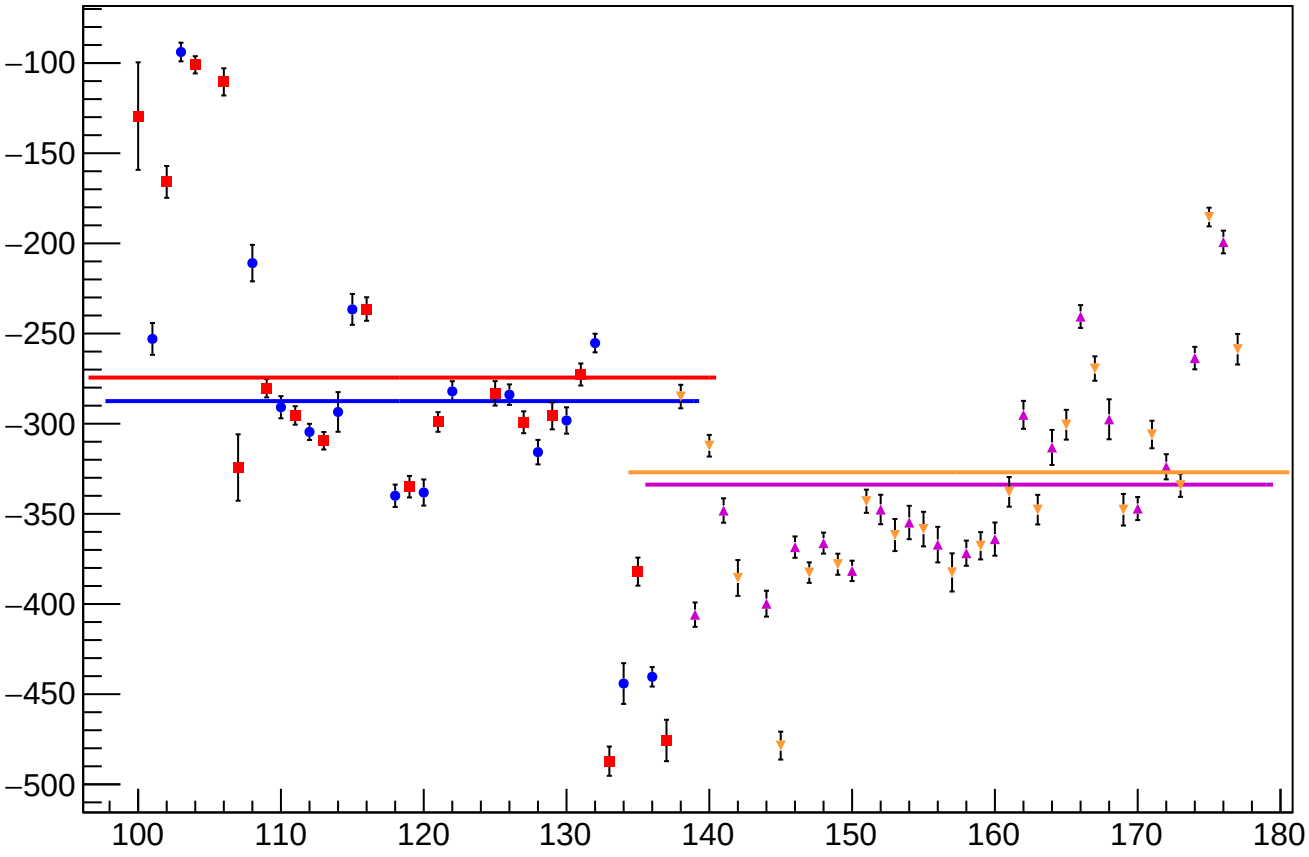
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 226.379+/-0.073 χ^2/NDF:37444.6/18

+ sign 217.852+/-0.063 χ^2/NDF: 270384.1/35

All: 210.305+/-0.044 χ^2/NDF: 1160099.5/72

- sign 203.333+/-0.061 χ^2/NDF: 862408.5/36



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -326.957+/-1.613 χ^2/NDF:1644.4/19

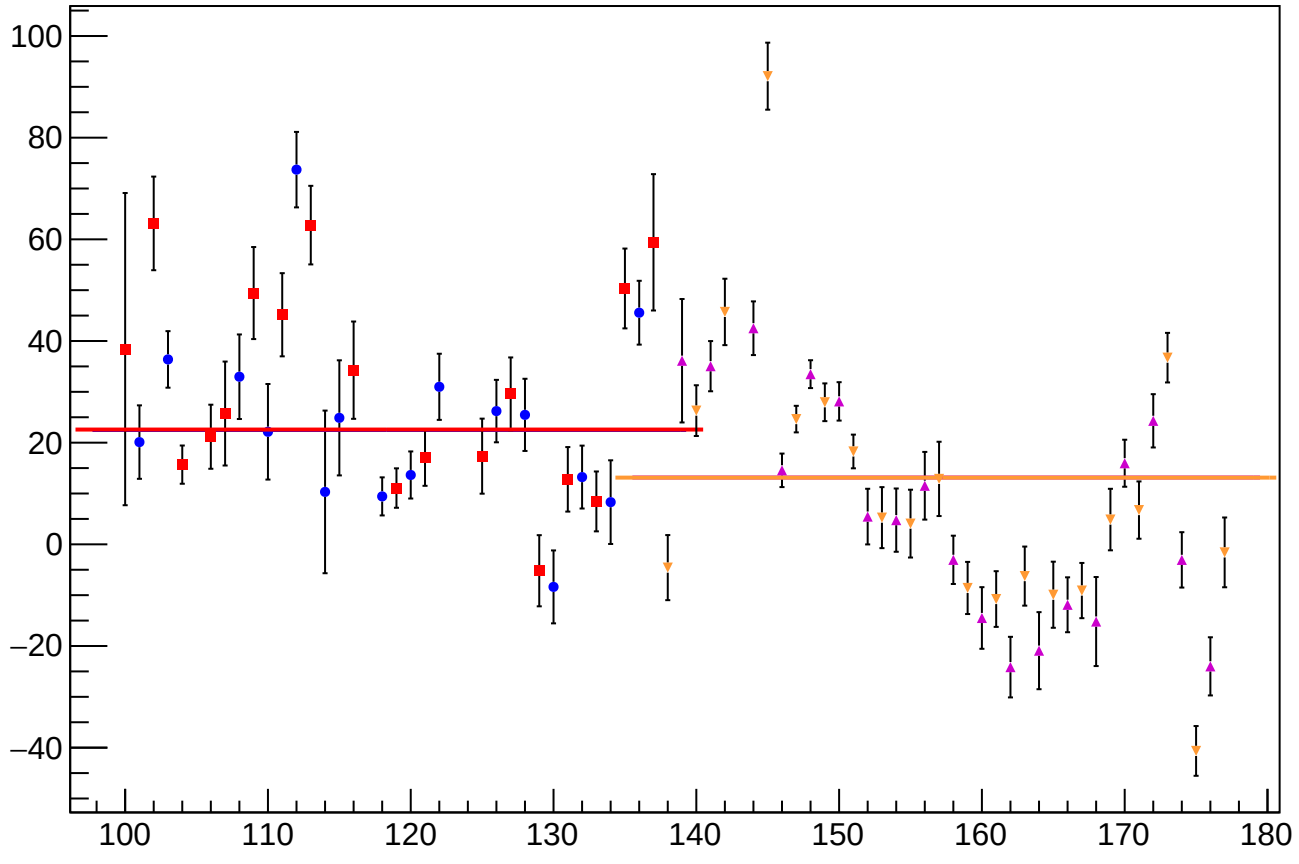
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -333.794+/-1.627 χ^2/NDF:1244.9/18

+ sign -307.192+/-1.140 χ^2/NDF: 4640.8/35

All: -304.911+/-0.800 χ^2/NDF: 10004.7/72

- sign -302.698+/-1.123 χ^2/NDF: 5356.0/36



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 13.124+/-1.110 χ^2/NDF:453.5/19

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

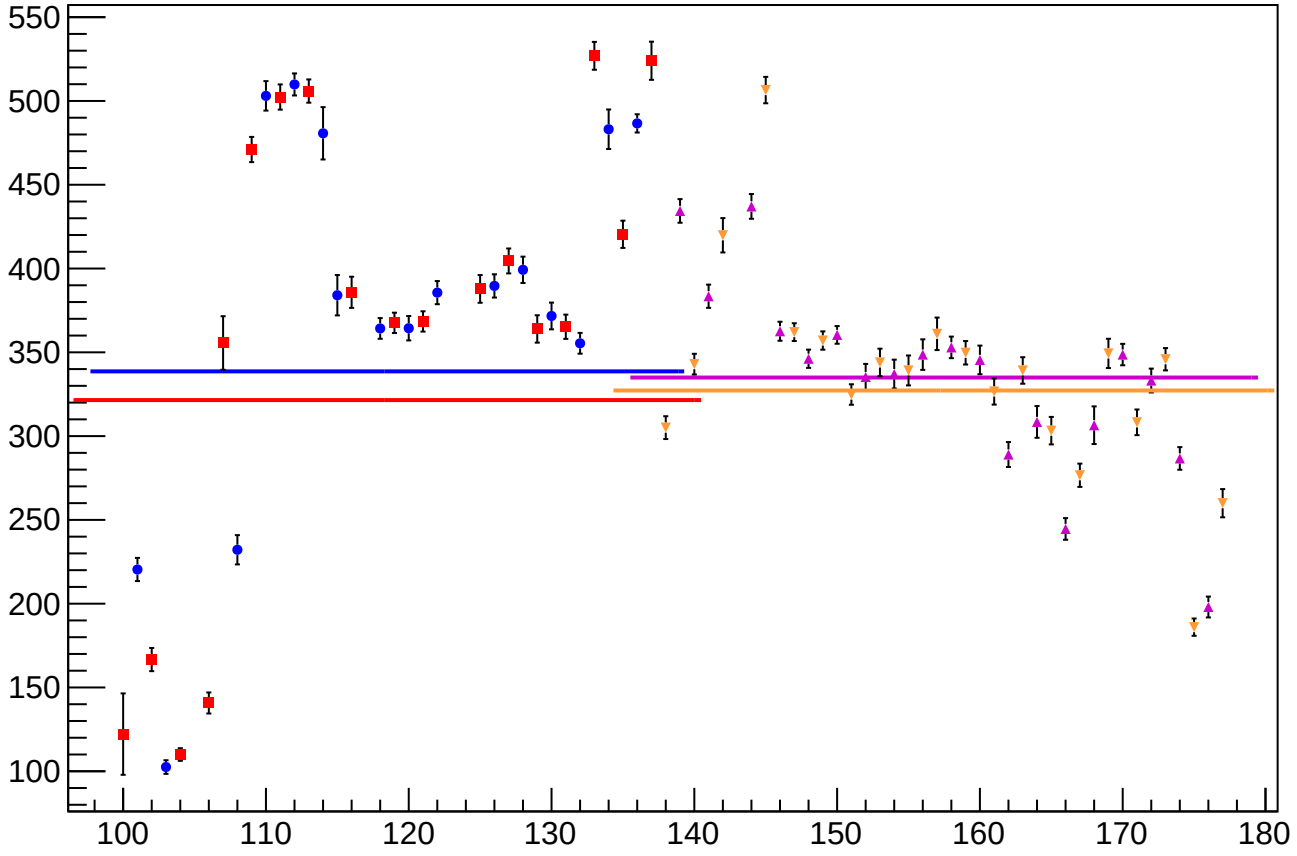
Left In: 13.145+/-1.138 χ^2/NDF:308.6/18

+ sign 16.113+/-0.916 χ^2/NDF: 587.7/35

All: 16.253+/-0.649 χ^2/NDF: 1043.4/72

- sign 16.395+/-0.921 χ^2/NDF: 455.6/36

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: 327.233+/-1.581 χ^2/NDF:1615.4/19

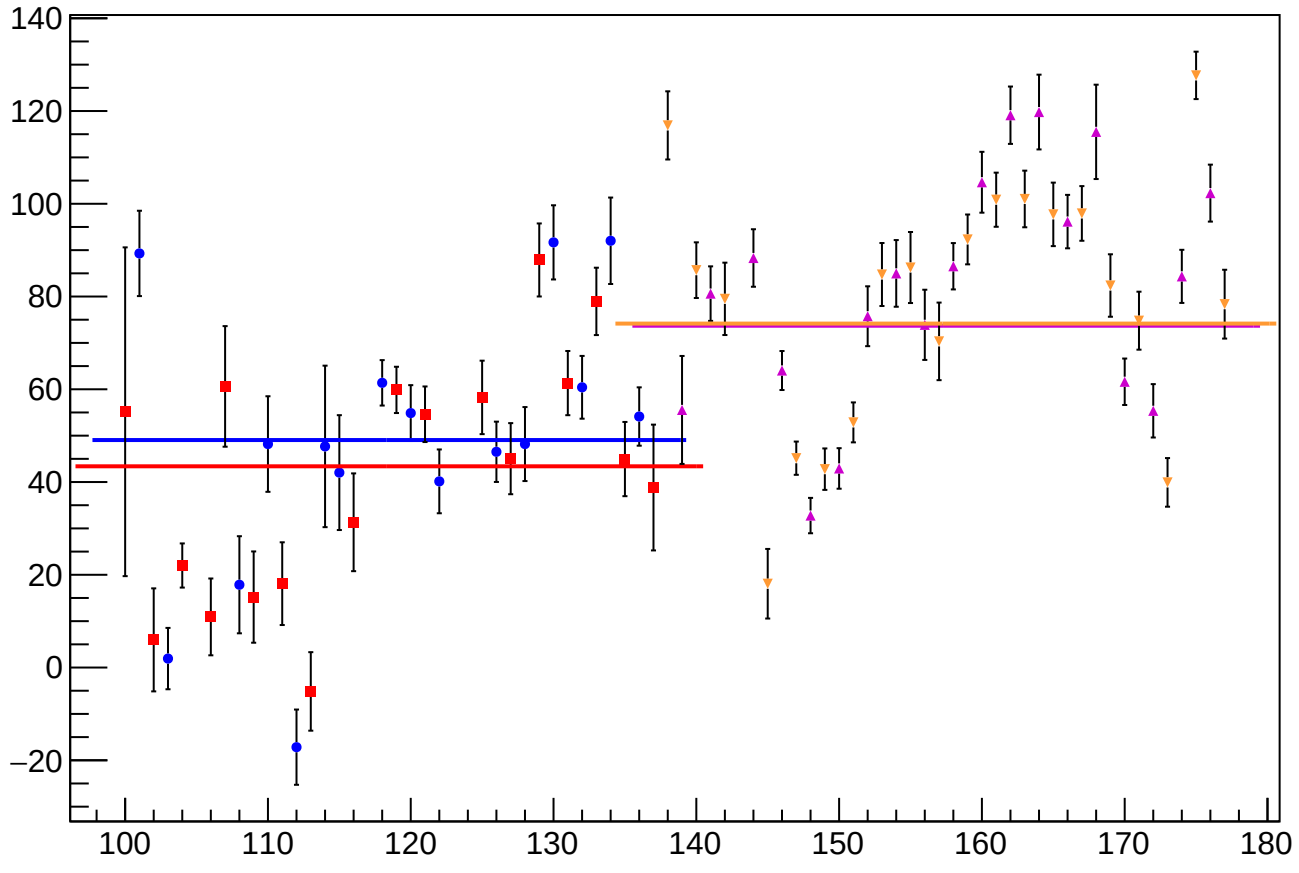
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 334.955+/-1.595 χ^2/NDF:1289.7/18

+ sign 332.362+/-1.173 χ^2/NDF: 7681.4/35

All: 330.479+/-0.825 χ^2/NDF: 16730.5/72

- sign 328.632+/-1.161 χ^2/NDF: 9043.9/36



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 74.165+/-1.295 χ^2/NDF:472.1/19

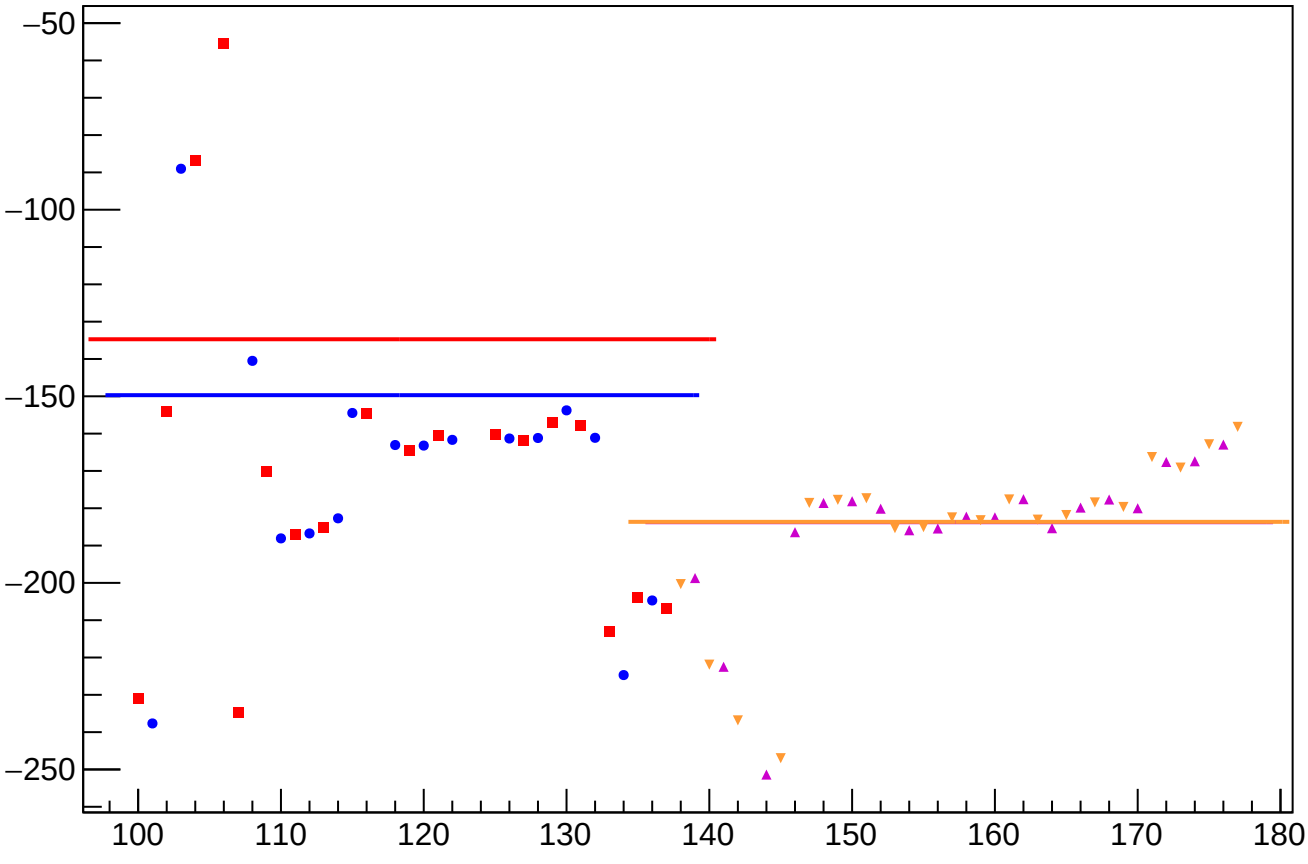
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 73.706+/-1.322 χ^2/NDF:370.5/18

+ sign 66.101+/-1.067 χ^2/NDF: 800.9/35

All: 64.729+/-0.756 χ^2/NDF: 1534.6/72

- sign 63.343+/-1.072 χ^2/NDF: 730.4/36



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -183.643+/-0.061 χ^2/NDF:105839.4/19

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

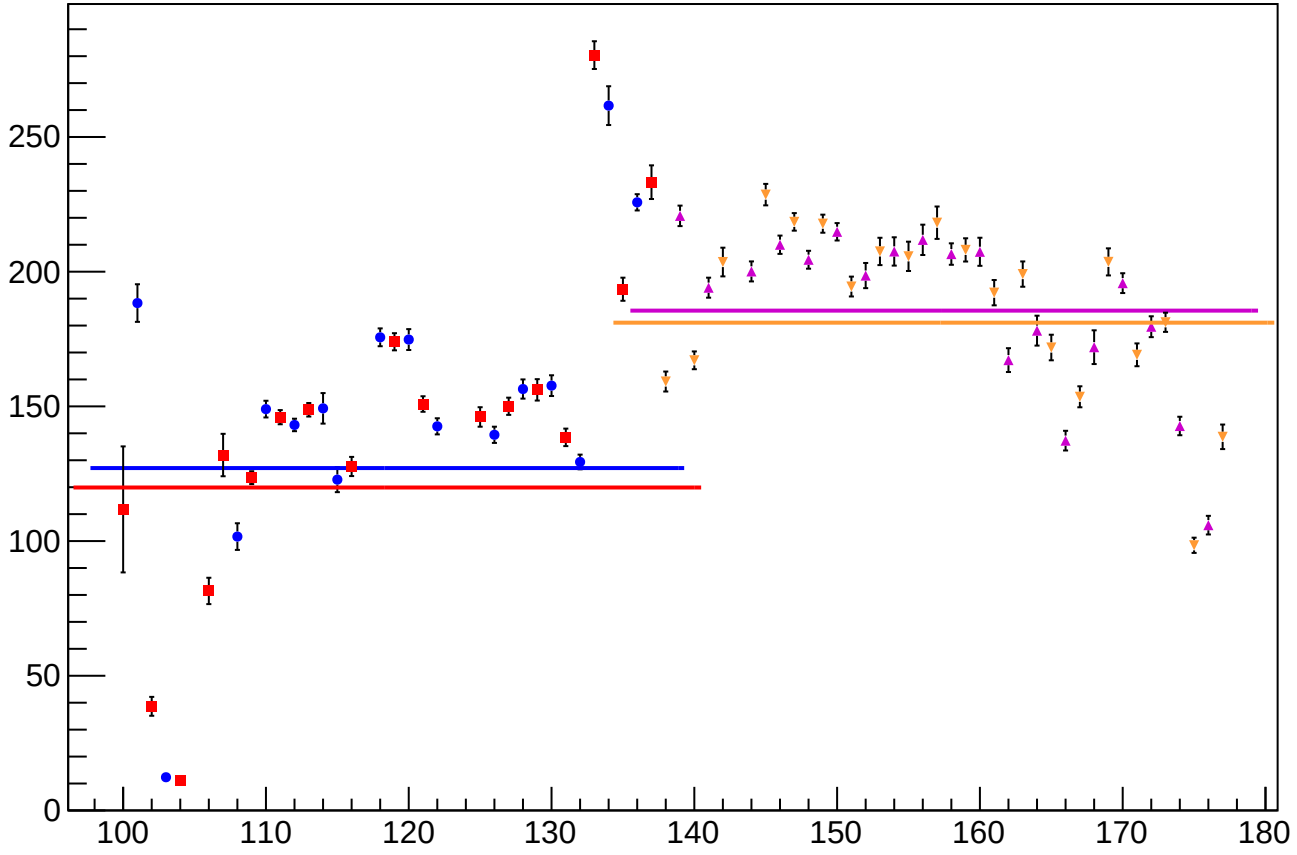
Left In: -183.744+/-0.060 χ^2/NDF:81974.4/18

+ sign -174.582+/-0.052 χ^2/NDF: 445412.2/35

All: -172.288+/-0.037 χ^2/NDF: 1028085.0/72

- sign -170.069+/-0.051 χ^2/NDF: 578855.7/36

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 181.074+/-0.905 χ^2/NDF:1646.1/19

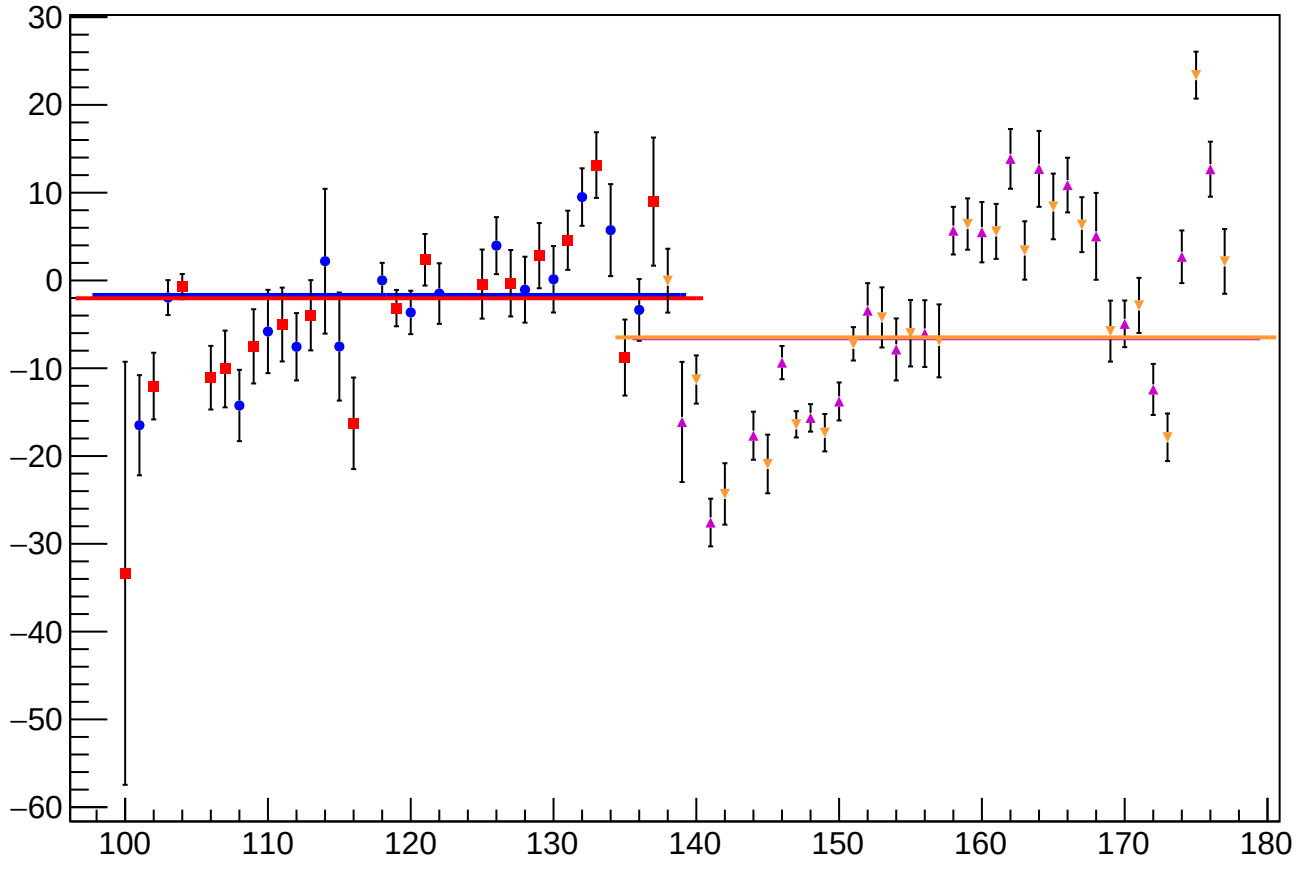
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 185.546+/-0.915 χ^2/NDF:1259.3/18

\+ sign 151.142+/-0.604 χ^2/NDF: 9783.1/35

All: 149.164+/-0.422 χ^2/NDF: 20712.6/72

\- sign 147.269+/-0.591 χ^2/NDF: 10908.5/36



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -6.484+/-0.626 χ^2/NDF:346.6/19

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

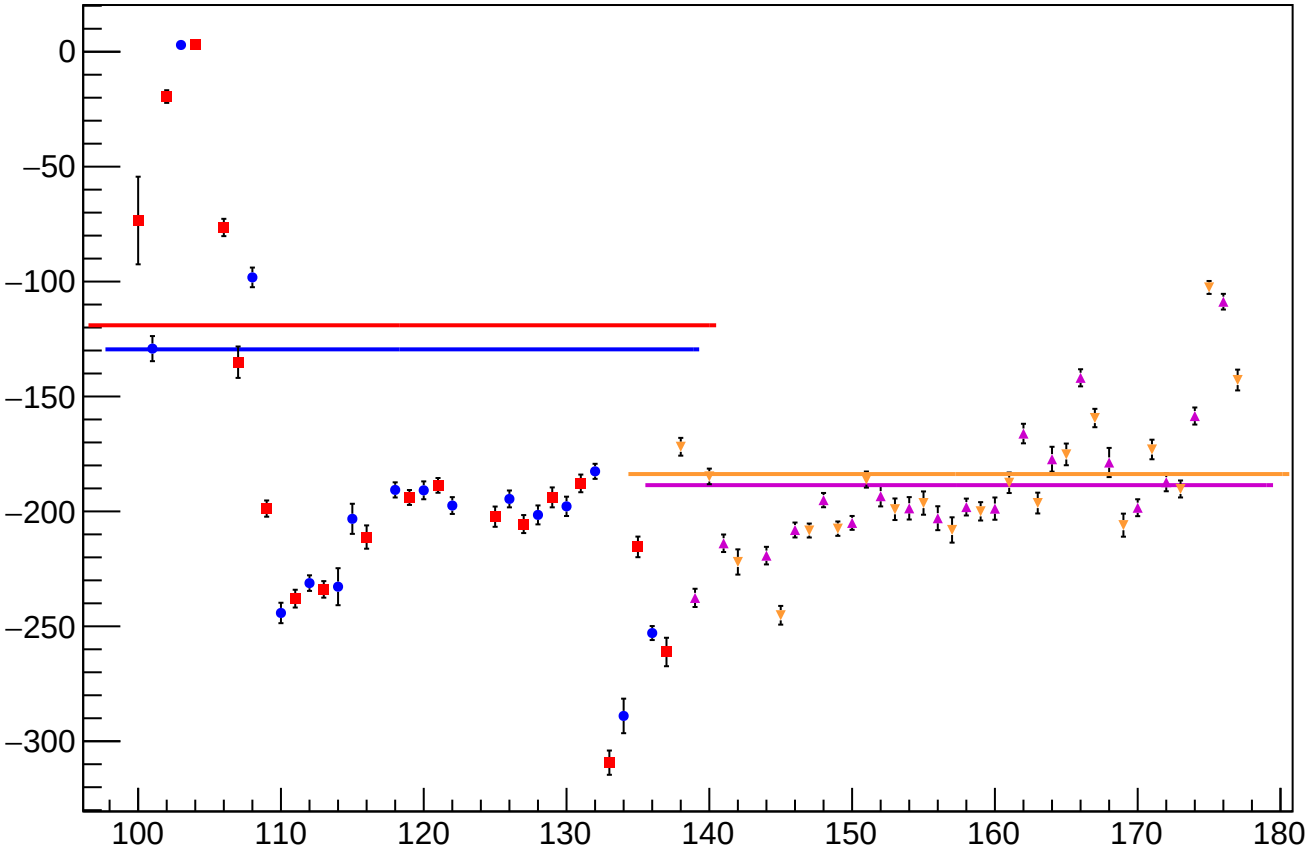
Left In: -6.584+/-0.643 χ^2/NDF:303.6/18

+ sign -4.739+/-0.500 χ^2/NDF: 407.1/35

All: -4.726+/-0.351 χ^2/NDF: 789.9/72

- sign -4.713+/-0.493 χ^2/NDF: 382.8/36

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -183.751+/-0.888 χ^2/NDF:1451.4/19

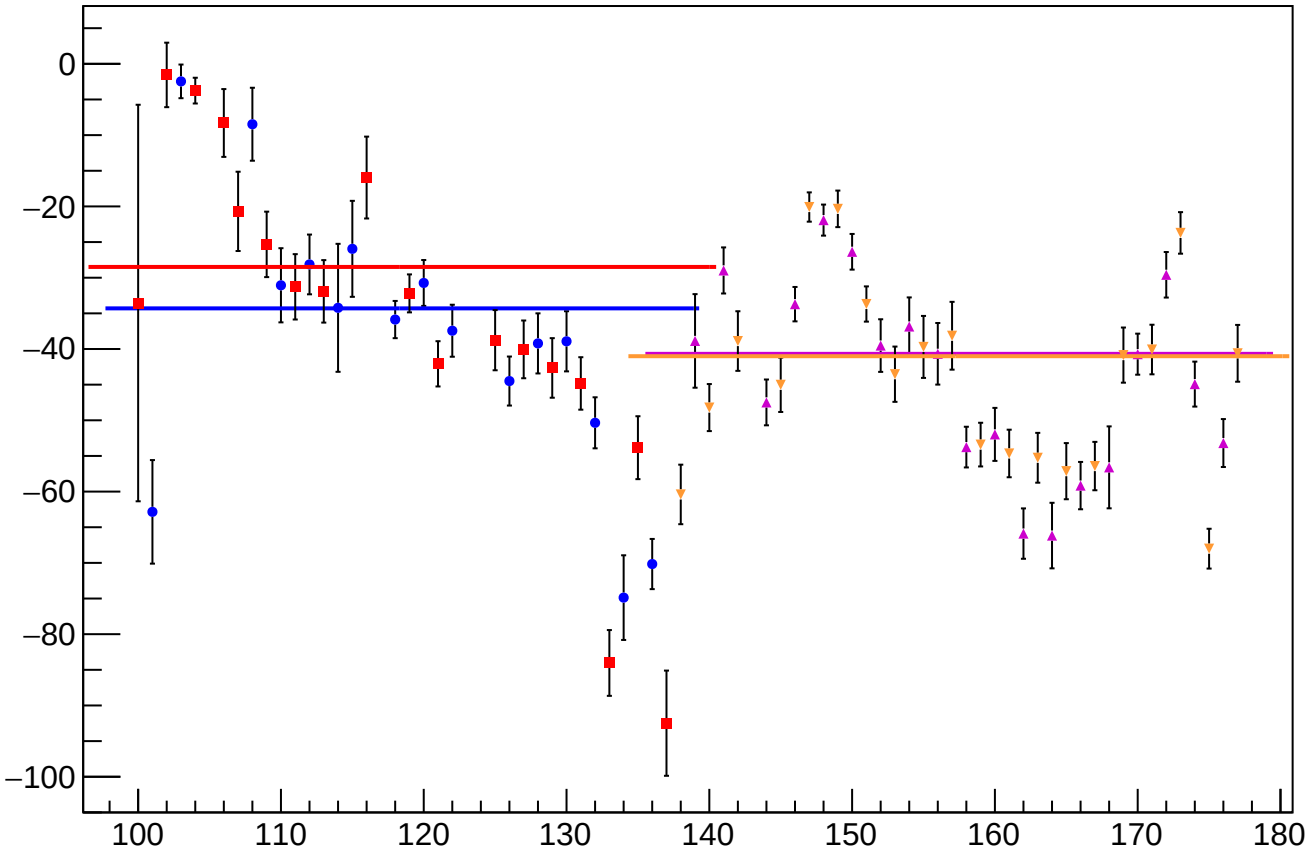
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -188.574+/-0.899 χ^2/NDF:1167.1/18

+ sign -155.323+/-0.613 χ^2/NDF: 18095.2/35

All: -152.776+/-0.430 χ^2/NDF: 38767.6/72

- sign -150.310+/-0.603 χ^2/NDF: 20638.4/36



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -41.010+/-0.729 χ^2/NDF:422.1/19

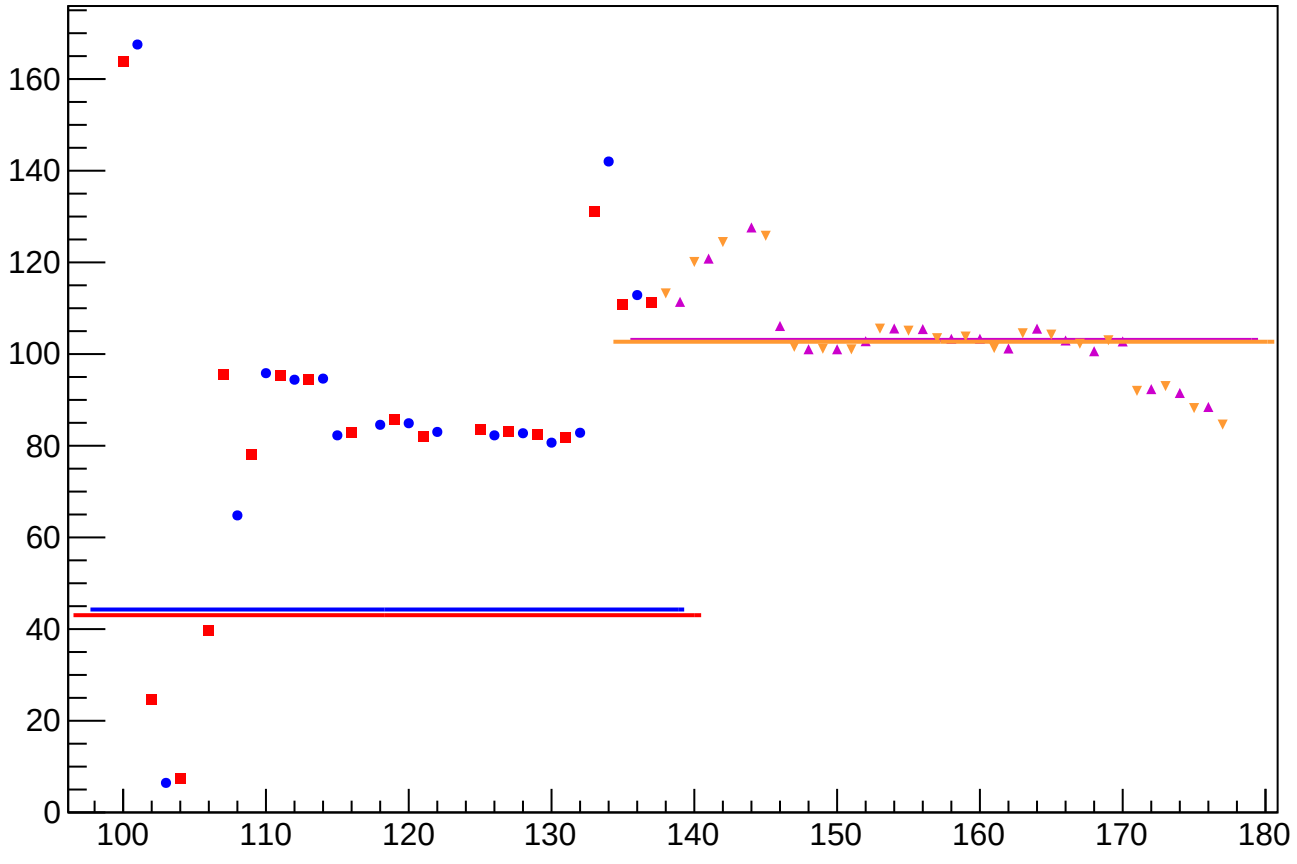
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -40.679+/-0.746 χ^2/NDF:312.2/18

\+ sign -38.580+/-0.582 χ^2/NDF: 864.0/35

All: -37.154+/-0.410 χ^2/NDF: 1863.9/72

\- sign -35.758+/-0.576 χ^2/NDF: 988.0/36



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 102.690+/-0.034 χ^2/NDF:84031.9/19

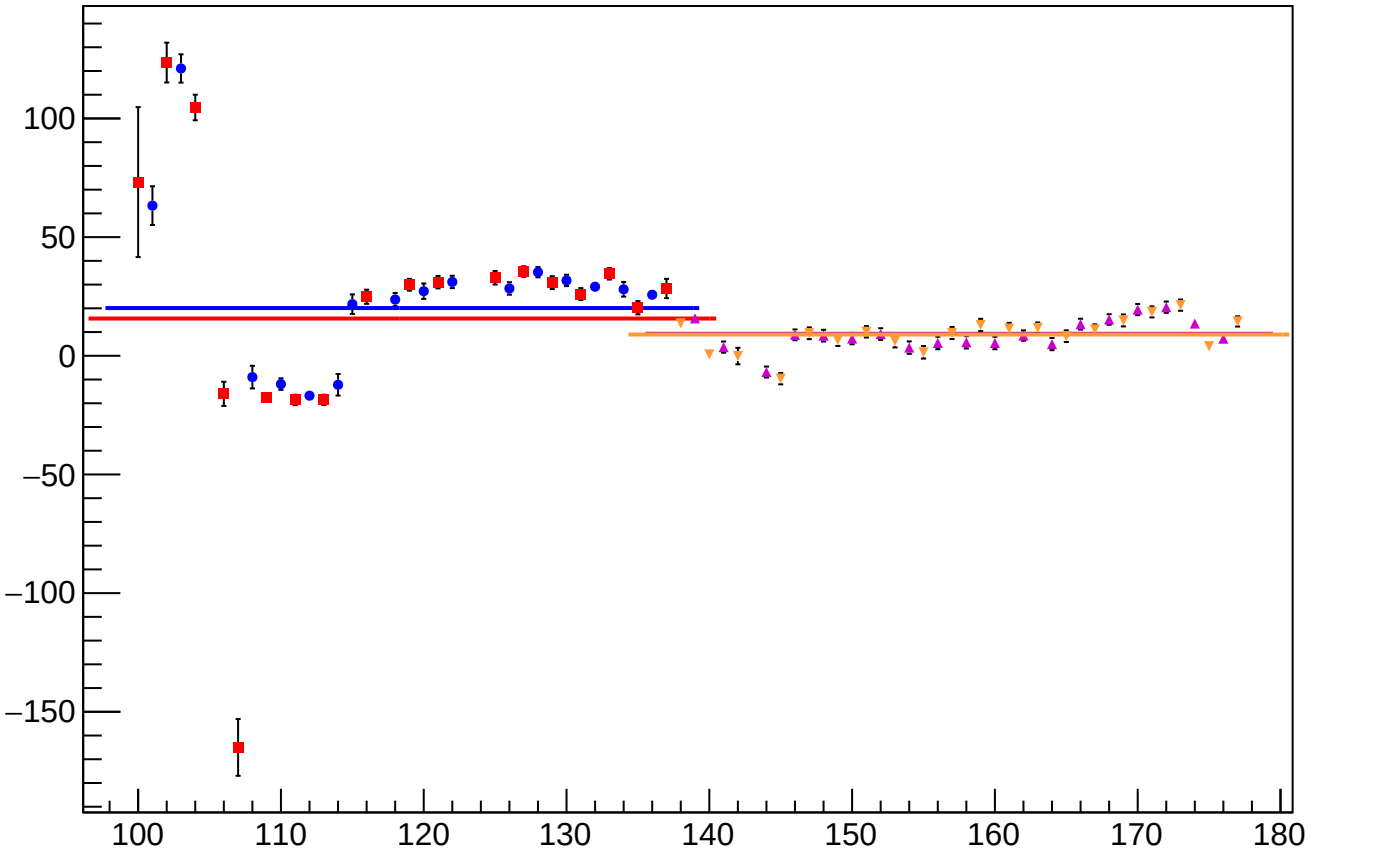
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 103.091+/-0.034 χ^2/NDF:63010.7/18

+ sign 81.256+/-0.027 χ^2/NDF: 2238741.6/35

All: 81.259+/-0.019 χ^2/NDF: 4238756.1/72

- sign 81.261+/-0.027 χ^2/NDF: 2000014.4/36



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.964+/-0.525 χ^2/NDF:169.3/19

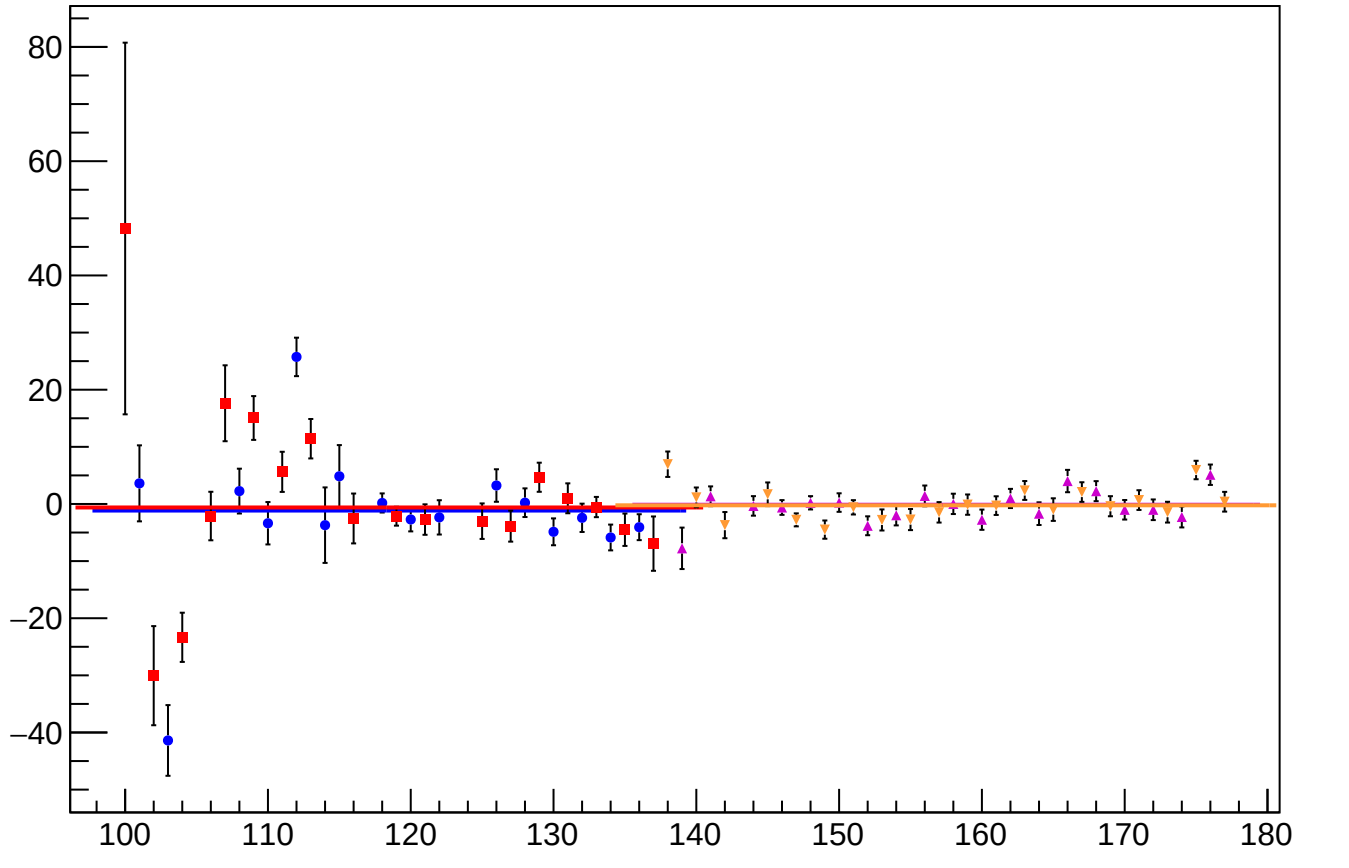
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.278+/-0.535 χ^2/NDF:136.9/18

\+ sign 13.079+/-0.417 χ^2/NDF: 1383.8/35

All: 12.408+/-0.296 χ^2/NDF: 3354.6/72

\- sign 11.725+/-0.421 χ^2/NDF: 1965.6/36



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.234+/-0.378 χ^2/NDF:50.6/19

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

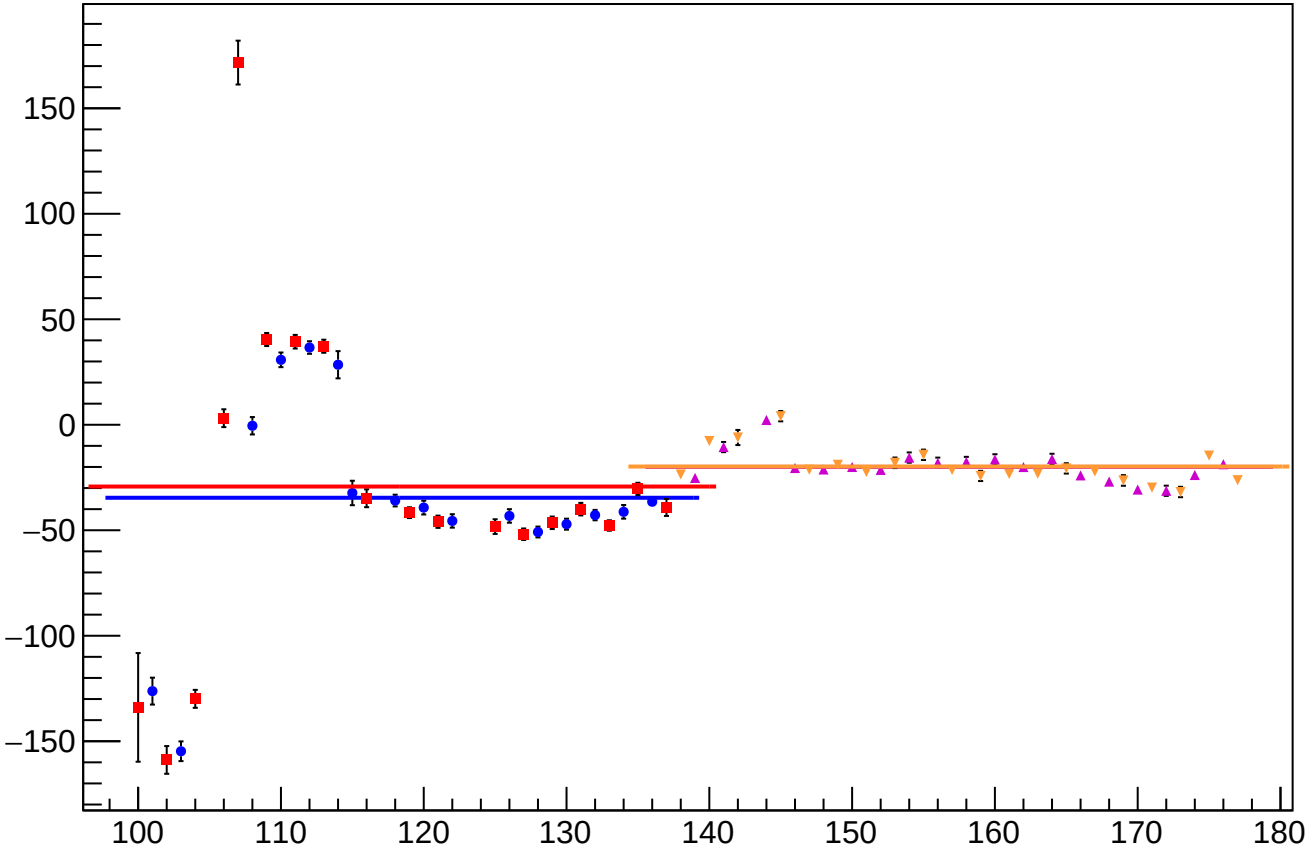
Left In: -0.136+/-0.391 χ^2/NDF:32.3/18

+ sign -0.442+/-0.333 χ^2/NDF: 173.8/35

All: -0.347+/-0.239 χ^2/NDF: 300.0/72

- sign -0.247+/-0.343 χ^2/NDF: 126.0/36

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: -19.800+/-0.516 χ^2/NDF:230.6/19

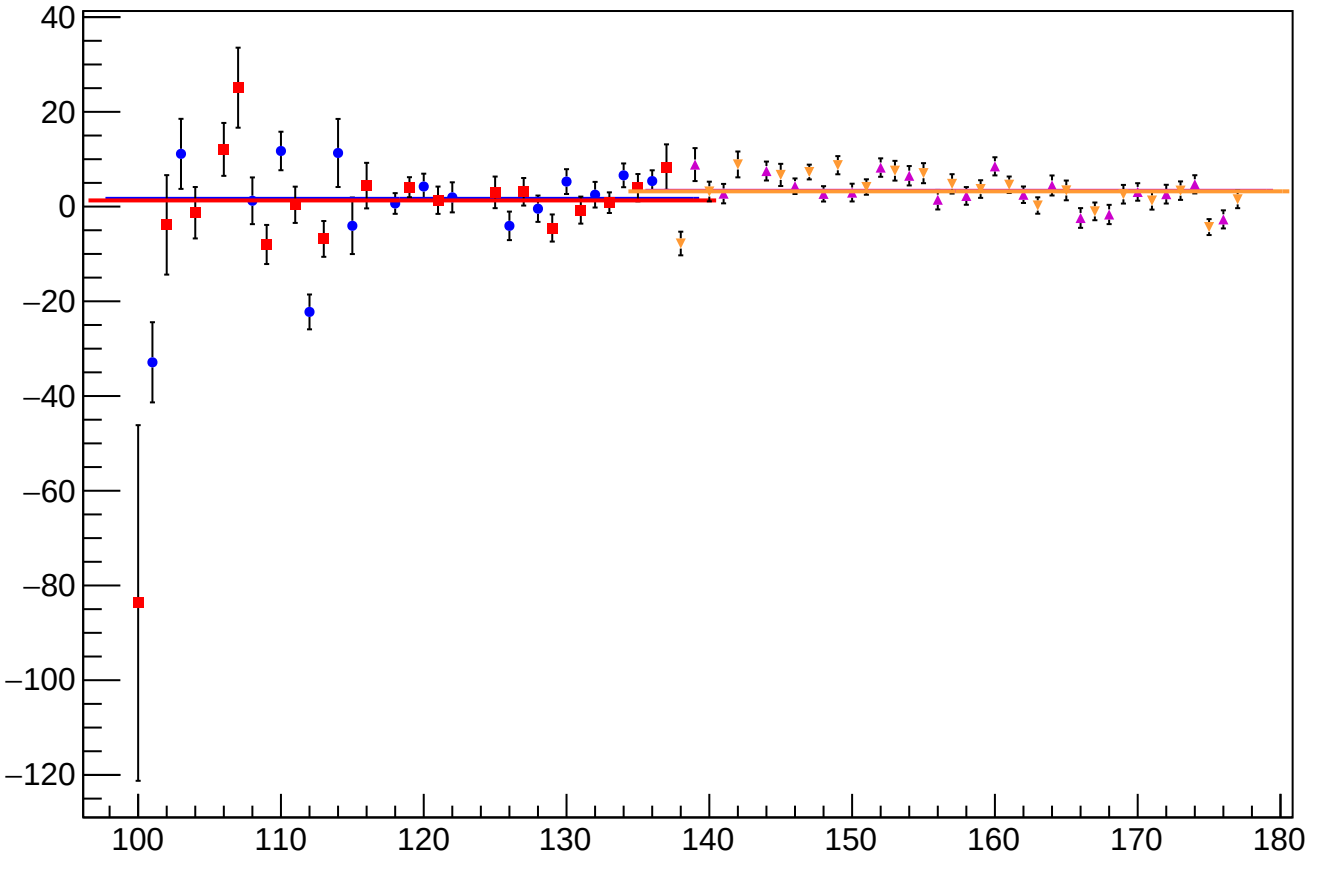
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.980+/-0.526 χ^2/NDF:177.6/18

+ sign -24.254+/-0.431 χ^2/NDF: 2536.7/35

All: -23.536+/-0.308 χ^2/NDF: 5895.3/72

- sign -22.790+/-0.440 χ^2/NDF: 3352.9/36



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 3.218+/-0.432 χ^2/NDF:80.6/19

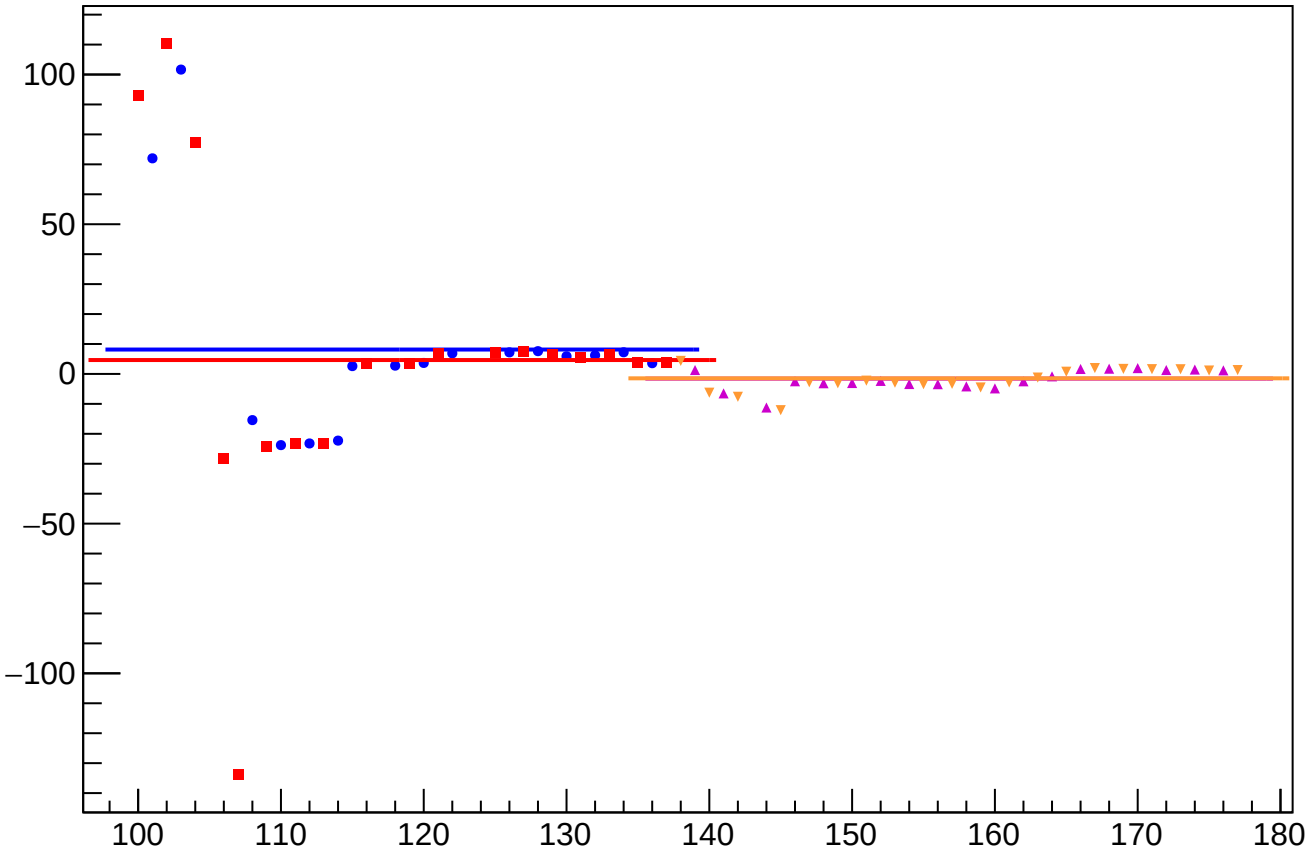
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.328+/-0.446 χ^2/NDF:49.5/18

+ sign 2.858+/-0.380 χ^2/NDF: 166.9/35

All: 2.860+/-0.273 χ^2/NDF: 258.7/72

- sign 2.861+/-0.392 χ^2/NDF: 91.8/36



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.469+/-0.019 χ^2/NDF:33656.6/19

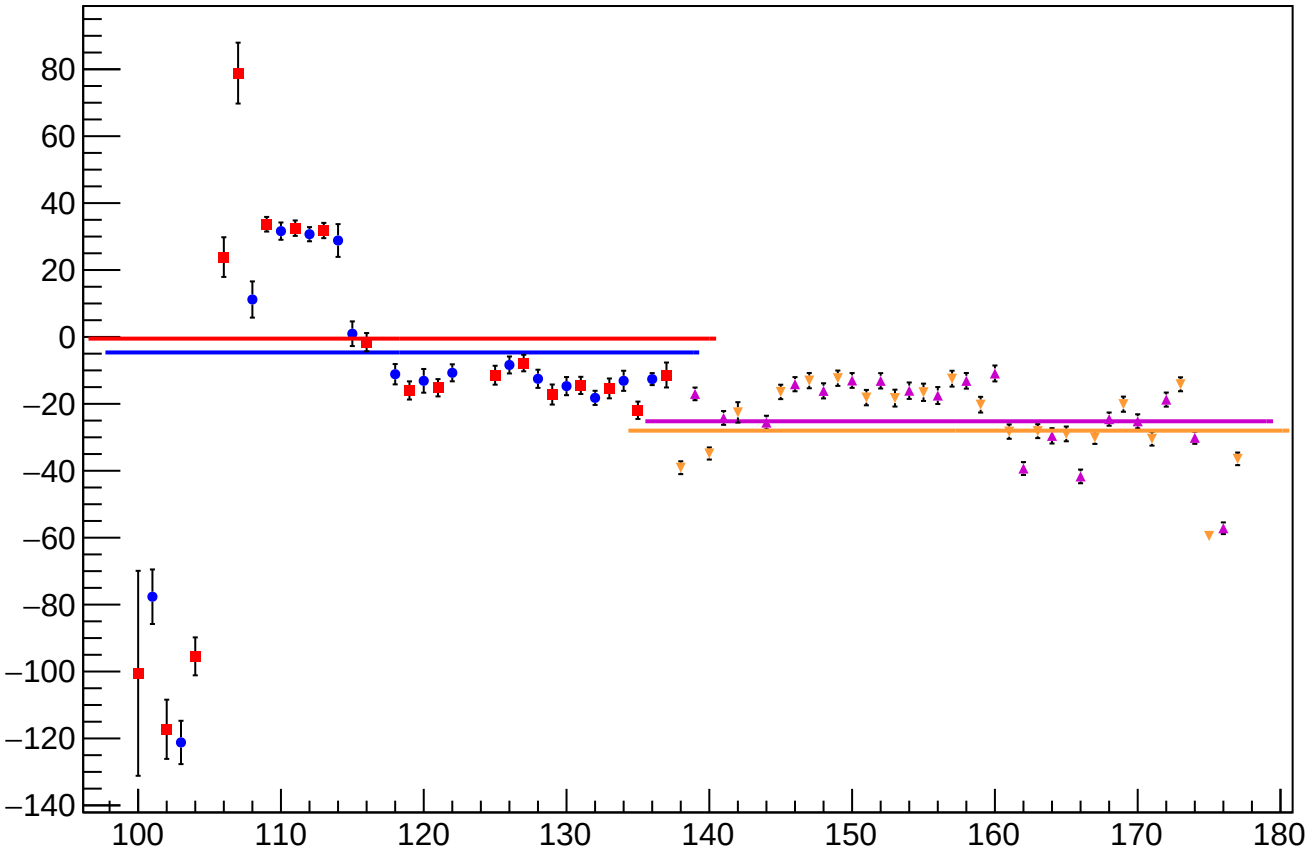
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.574+/-0.019 χ^2/NDF:25420.2/18

+ sign -0.141+/-0.018 χ^2/NDF: 381062.8/35

All: -0.466+/-0.013 χ^2/NDF: 866598.6/72

- sign -0.801+/-0.018 χ^2/NDF: 484873.6/36



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -28.005+/-0.474 χ^2/NDF:796.1/19

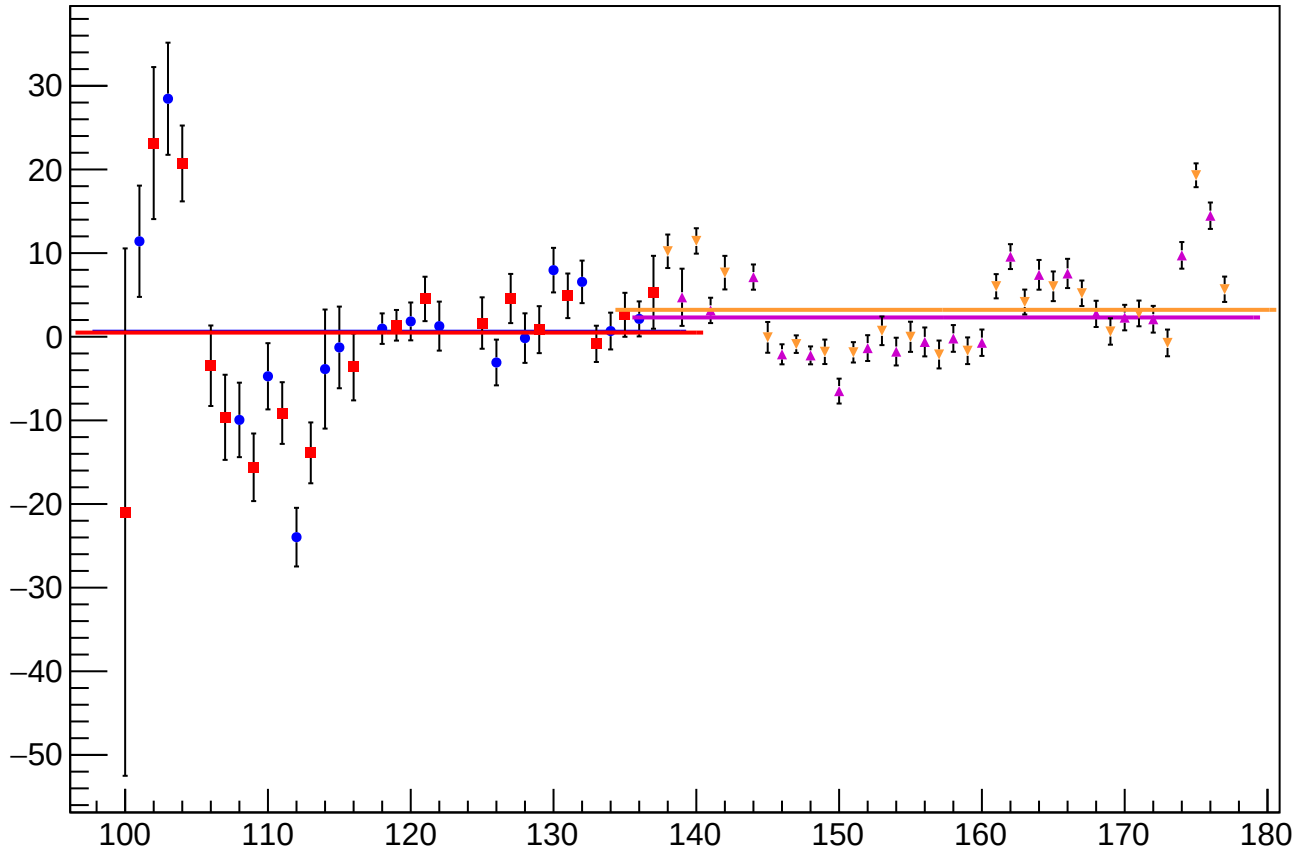
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -25.209+/-0.483 χ^2/NDF:679.5/18

+ sign -20.819+/-0.395 χ^2/NDF: 2589.0/35

All: -19.132+/-0.281 χ^2/NDF: 5589.4/72

- sign -17.401+/-0.400 χ^2/NDF: 2963.3/36



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 3.218+/-0.343 χ^2/NDF:266.7/19

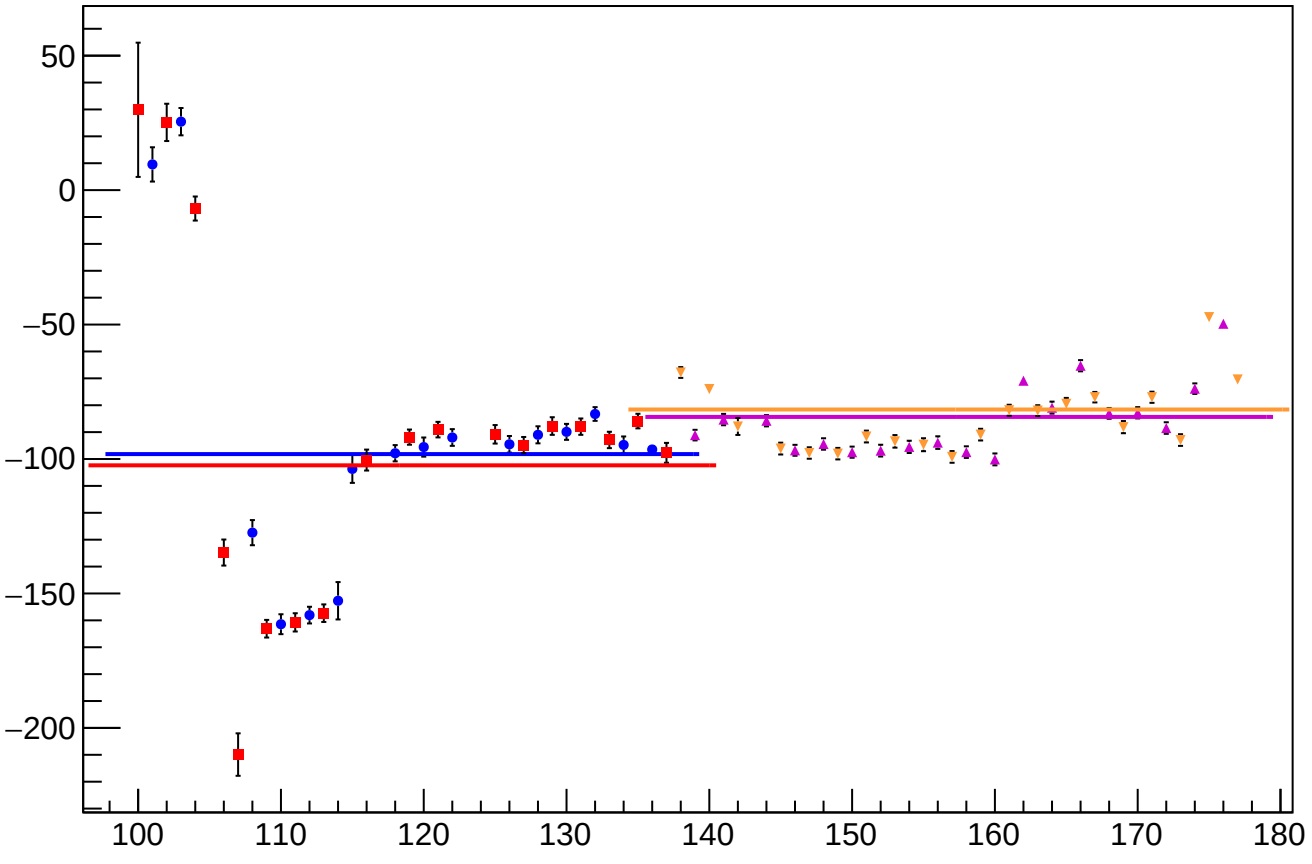
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 2.306+/-0.353 χ^2/NDF:220.5/18

+ sign 2.741+/-0.310 χ^2/NDF: 370.2/35

All: 2.373+/-0.223 χ^2/NDF: 678.5/72

- sign 1.981+/-0.320 χ^2/NDF: 305.4/36



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -81.584+/-0.466 χ^2/NDF:999.6/19

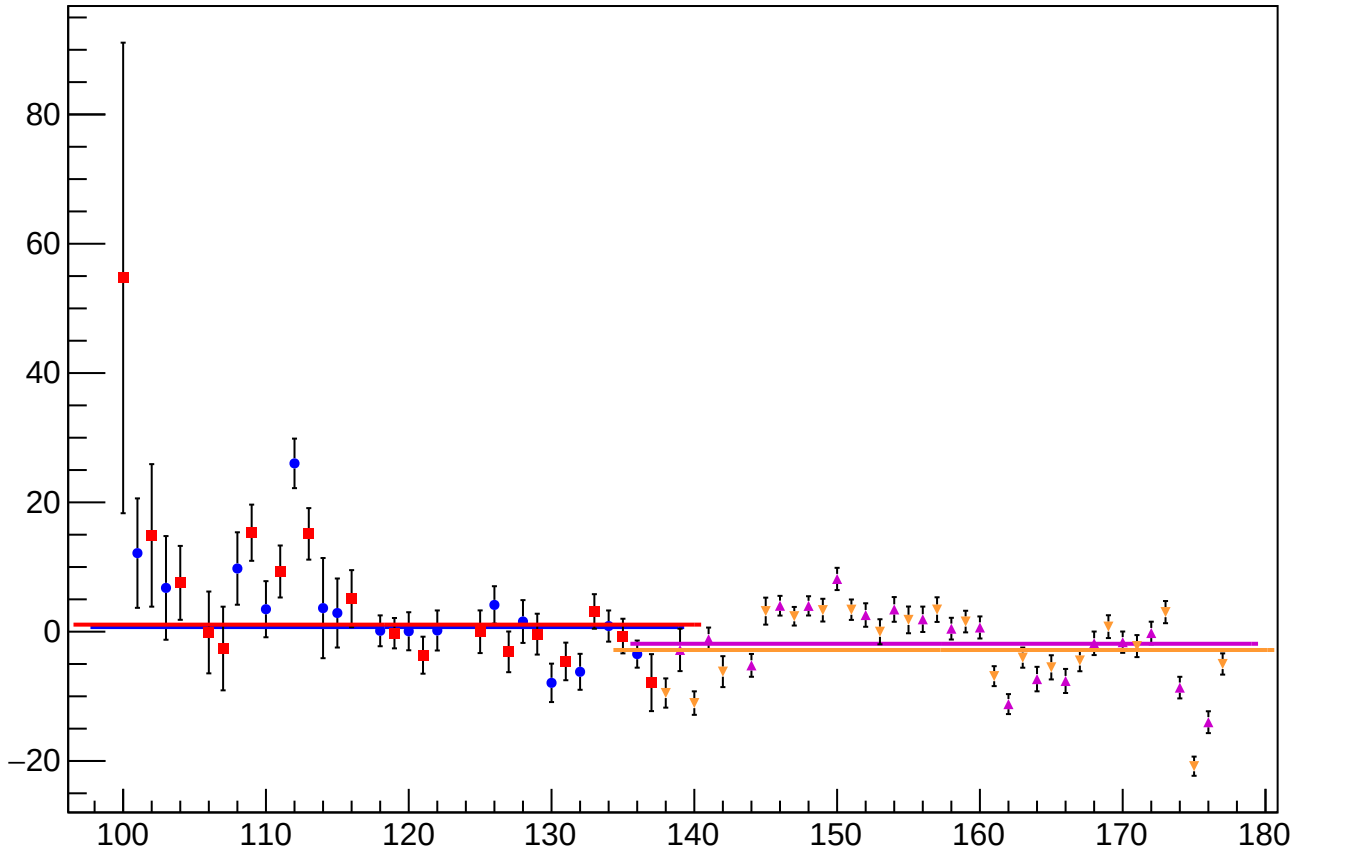
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -84.346+/-0.476 χ^2/NDF:848.0/18

\+ sign -85.693+/-0.405 χ^2/NDF: 3012.7/35

All: -87.185+/-0.289 χ^2/NDF: 6355.7/72

\- sign -88.744+/-0.414 χ^2/NDF: 3315.2/36



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -2.835+/-0.391 χ^2/NDF:280.2/19

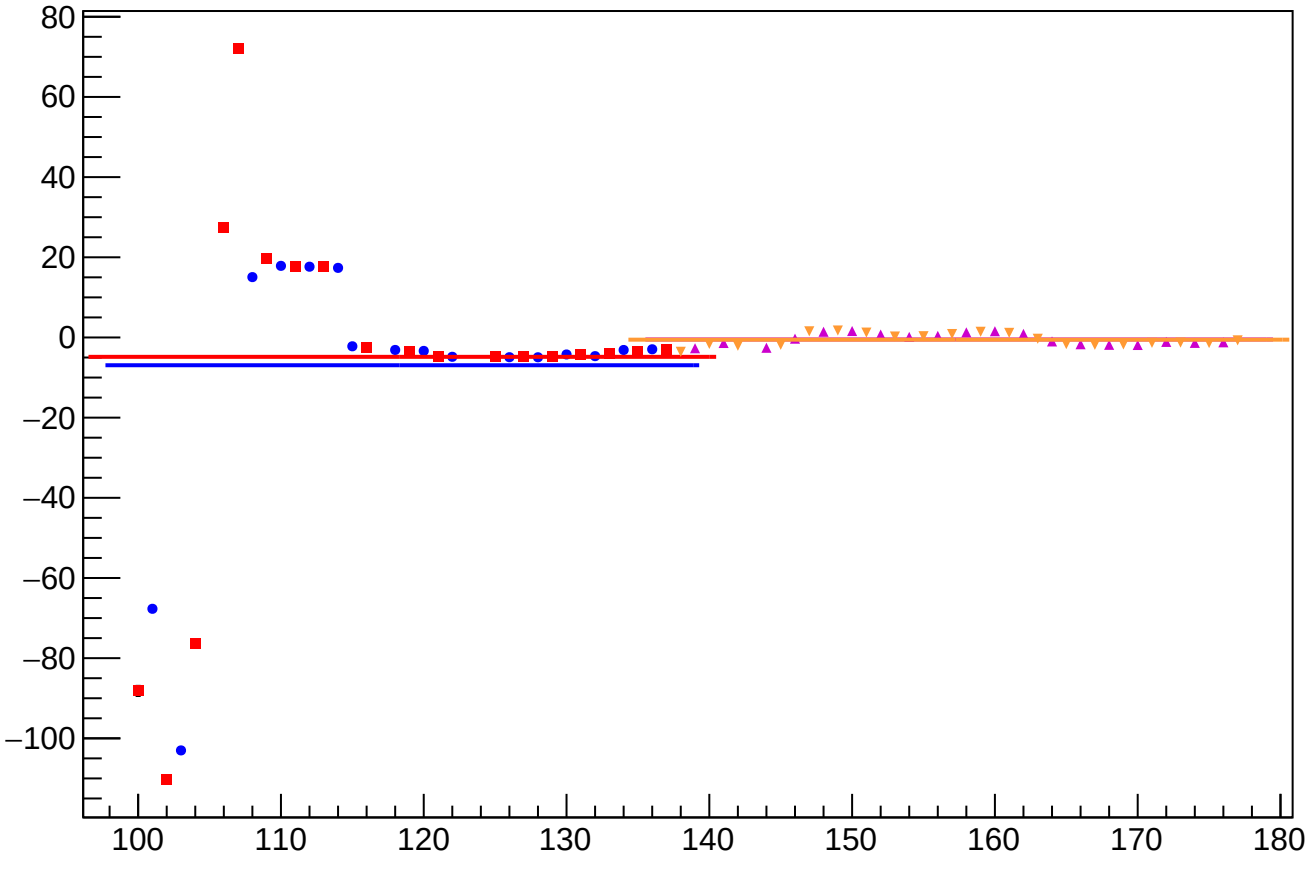
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -1.872+/-0.403 χ^2/NDF:212.9/18

\+ sign -2.181+/-0.353 χ^2/NDF: 365.0/35

All: -1.772+/-0.253 χ^2/NDF: 638.2/72

\- sign -1.336+/-0.364 χ^2/NDF: 270.4/36



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.550+/-0.018 χ^2/NDF:6505.3/19

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

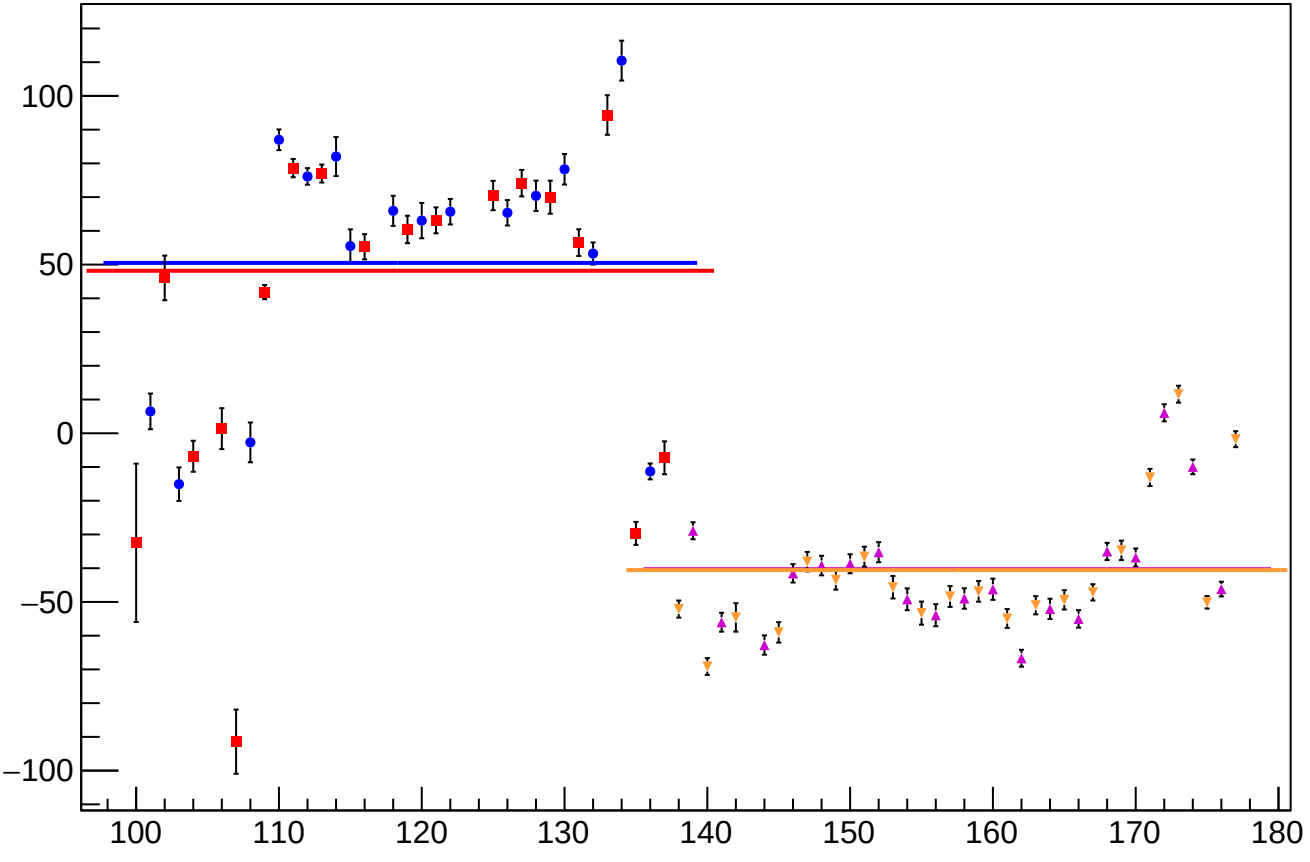
Left In: -0.499+/-0.018 χ^2/NDF:6109.8/18

+ sign -1.287+/-0.016 χ^2/NDF: 286963.5/35

All: -1.114+/-0.012 χ^2/NDF: 638719.0/72

- sign -0.935+/-0.017 χ^2/NDF: 351531.0/36

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: -40.554+/-0.610 χ^2/NDF:1136.4/19

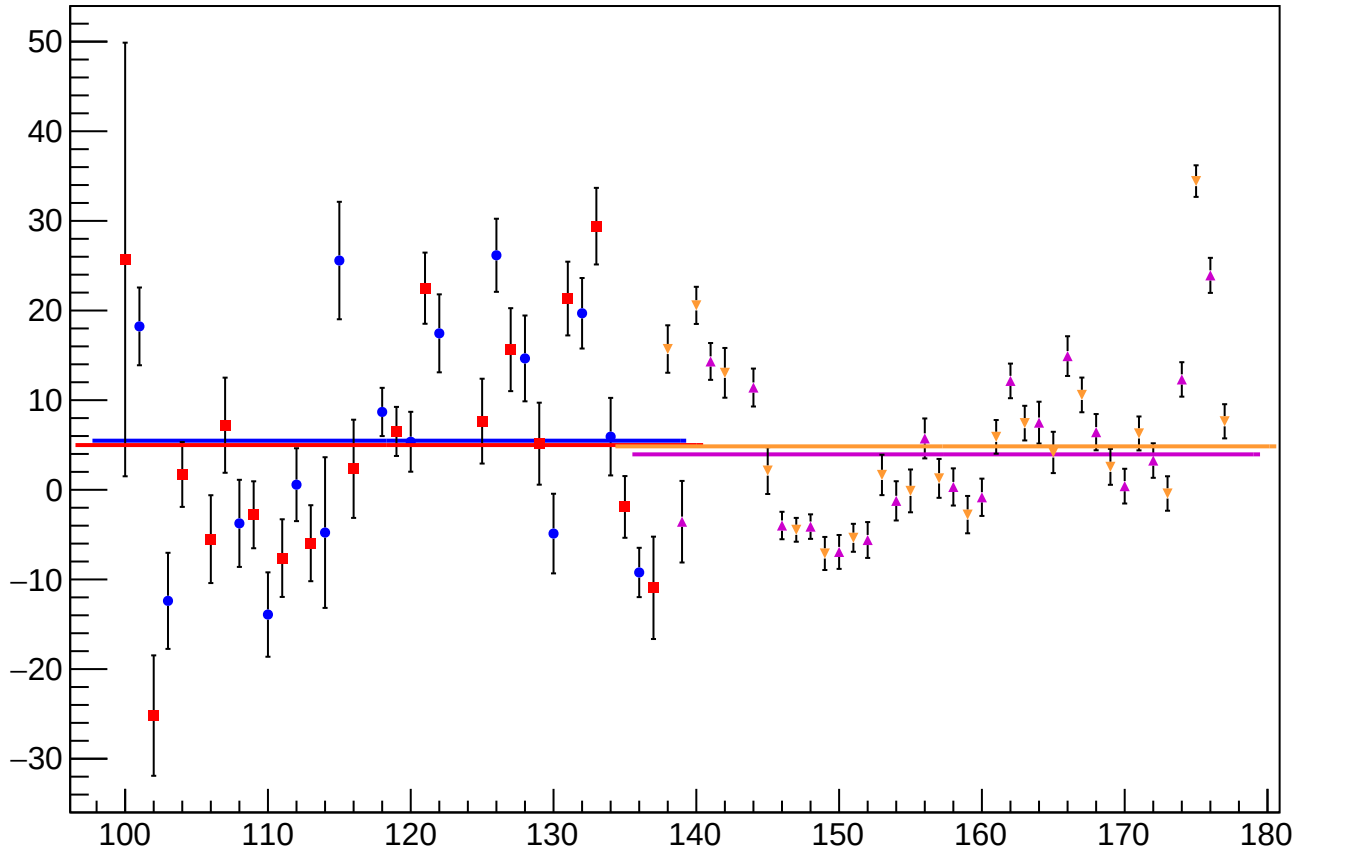
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -40.297+/-0.622 χ^2/NDF:851.3/18

+ sign -14.549+/-0.516 χ^2/NDF: 8996.5/35

All: -13.437+/-0.364 χ^2/NDF: 17780.1/72

- sign -12.334+/-0.514 χ^2/NDF: 8774.4/36



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 4.847+/-0.441 χ^2/NDF:544.8/19

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

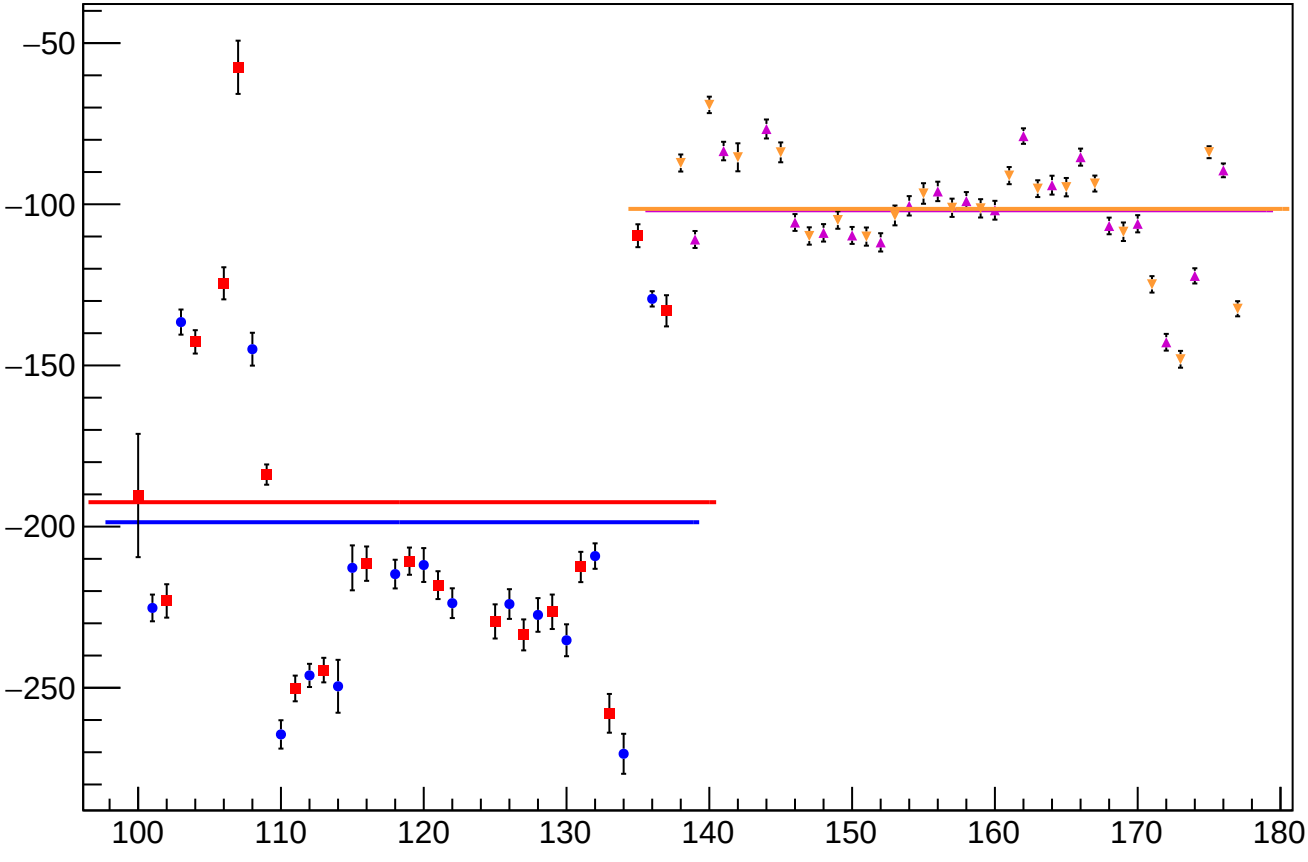
Left In: 3.954+/-0.454 χ^2/NDF:345.7/18

+ sign 4.947+/-0.405 χ^2/NDF: 683.3/35

All: 4.546+/-0.290 χ^2/NDF: 1163.7/72

- sign 4.125+/-0.415 χ^2/NDF: 478.4/36

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -101.432+/-0.600 χ^2/NDF:967.6/19

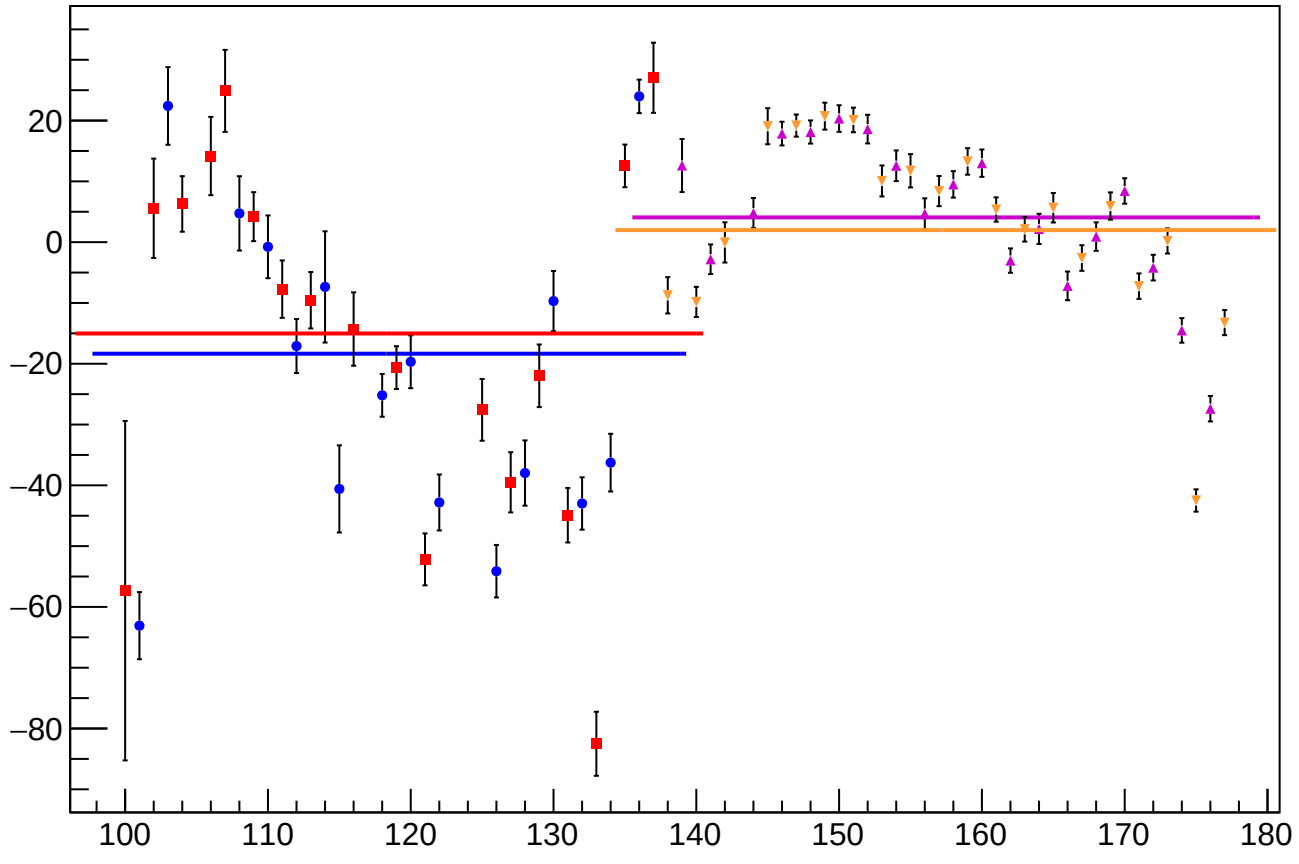
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.863+/-0.612 χ^2/NDF:660.9/18

+ sign -124.266+/-0.525 χ^2/NDF: 9129.6/35

All: -124.090+/-0.374 χ^2/NDF: 17252.3/72

- sign -123.908+/-0.533 χ^2/NDF: 8122.5/36



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 1.983+/-0.502 χ^2/NDF:1040.3/19

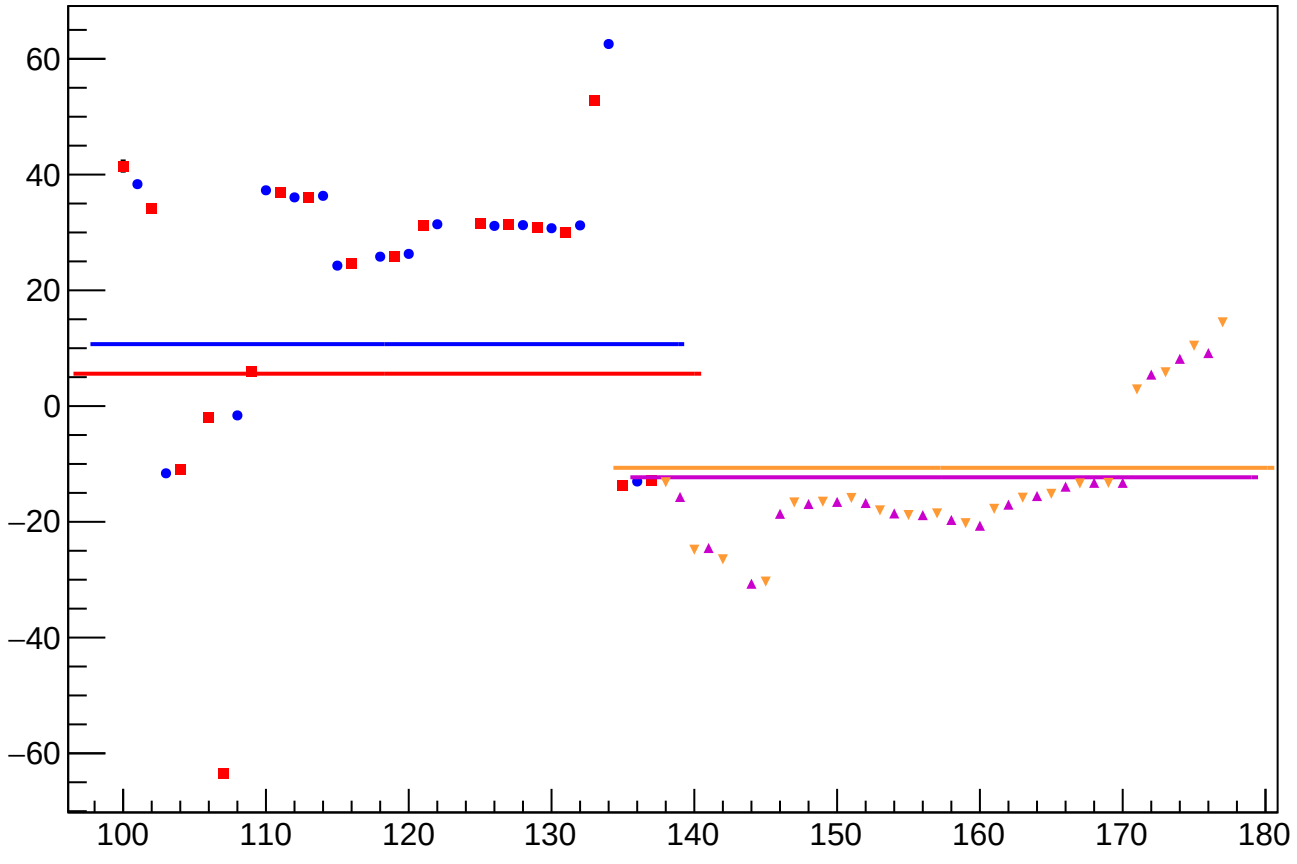
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 4.069+/-0.518 χ^2/NDF:611.0/18

\+ sign -1.226+/-0.461 χ^2/NDF: 1843.2/35

All: -0.187+/-0.330 χ^2/NDF: 3236.3/72

\- sign 0.907+/-0.473 χ^2/NDF: 1382.7/36



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -10.666+/-0.023 χ^2/NDF:302324.9/19

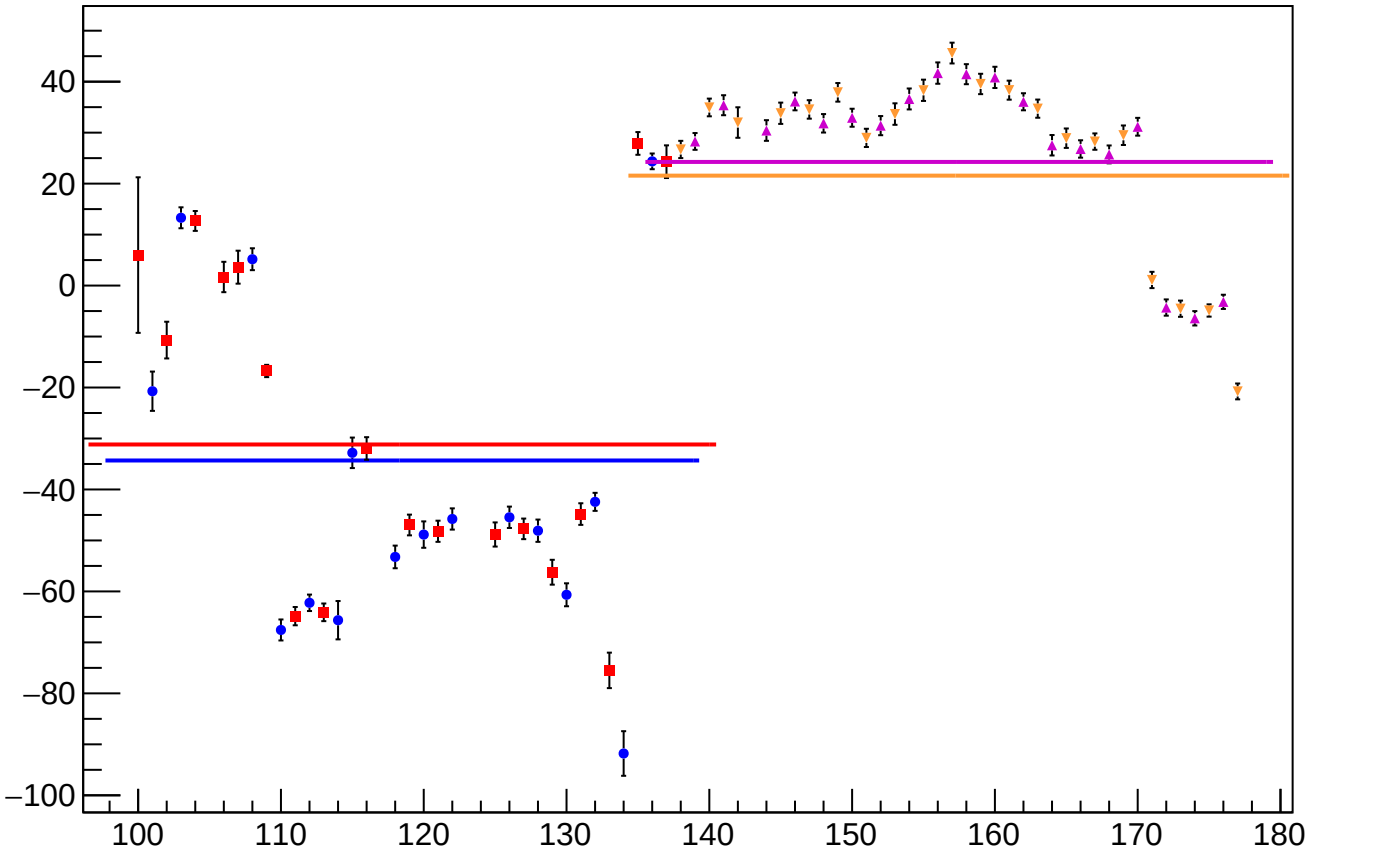
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -12.302+/-0.023 χ^2/NDF:228020.9/18

+ sign -8.229+/-0.021 χ^2/NDF: 569436.7/35

All: -9.249+/-0.015 χ^2/NDF: 1027278.2/72

- sign -10.282+/-0.021 χ^2/NDF: 453198.8/36



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 21.566+/-0.398 χ^2/NDF:2419.3/19

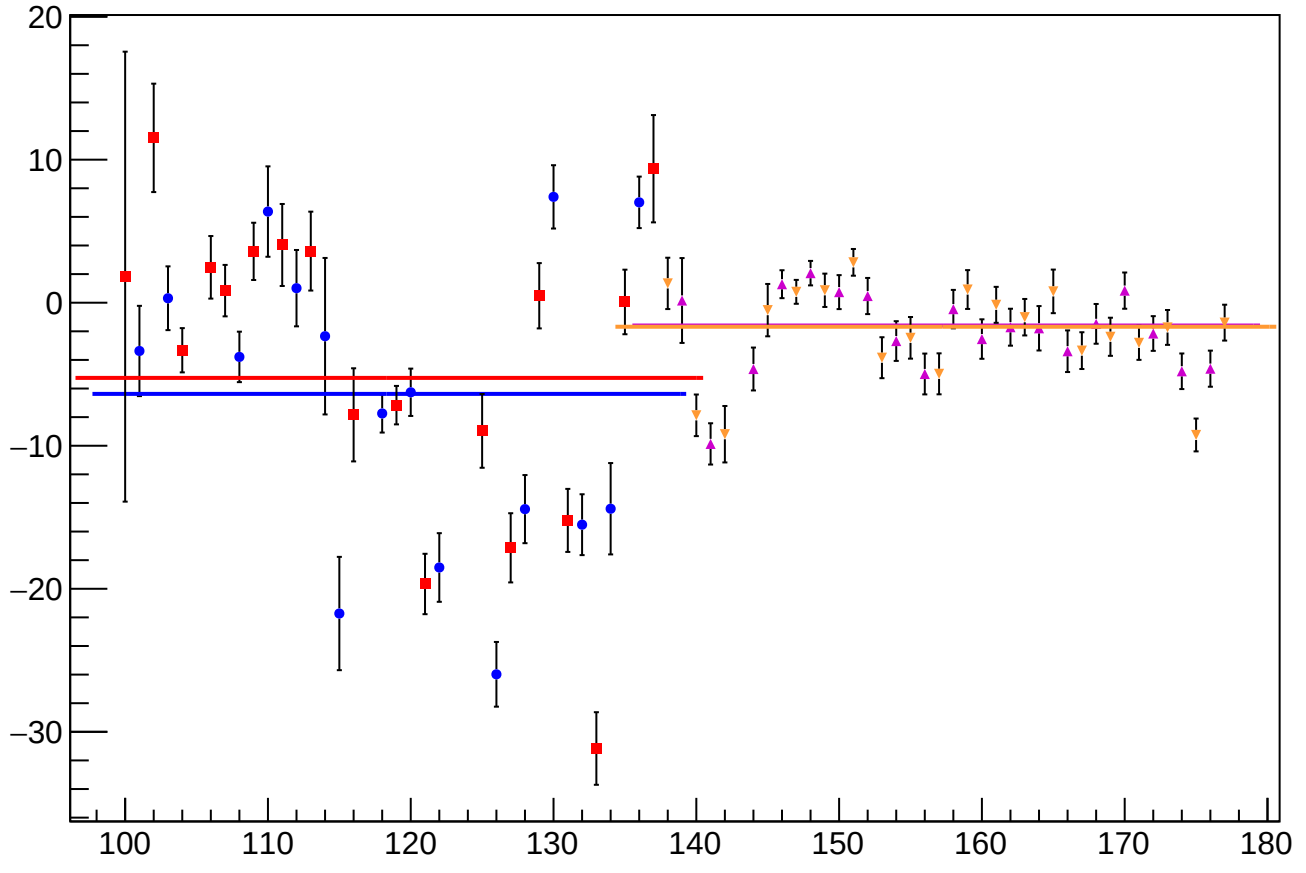
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 24.255+/-0.406 χ^2/NDF:1646.8/18

\+ sign 2.251+/-0.322 χ^2/NDF: 12729.4/35

All: 2.666+/-0.227 χ^2/NDF: 24716.8/72

\- sign 3.072+/-0.319 χ^2/NDF: 11984.1/36



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.680+/-0.286 χ^2/NDF:134.7/19

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

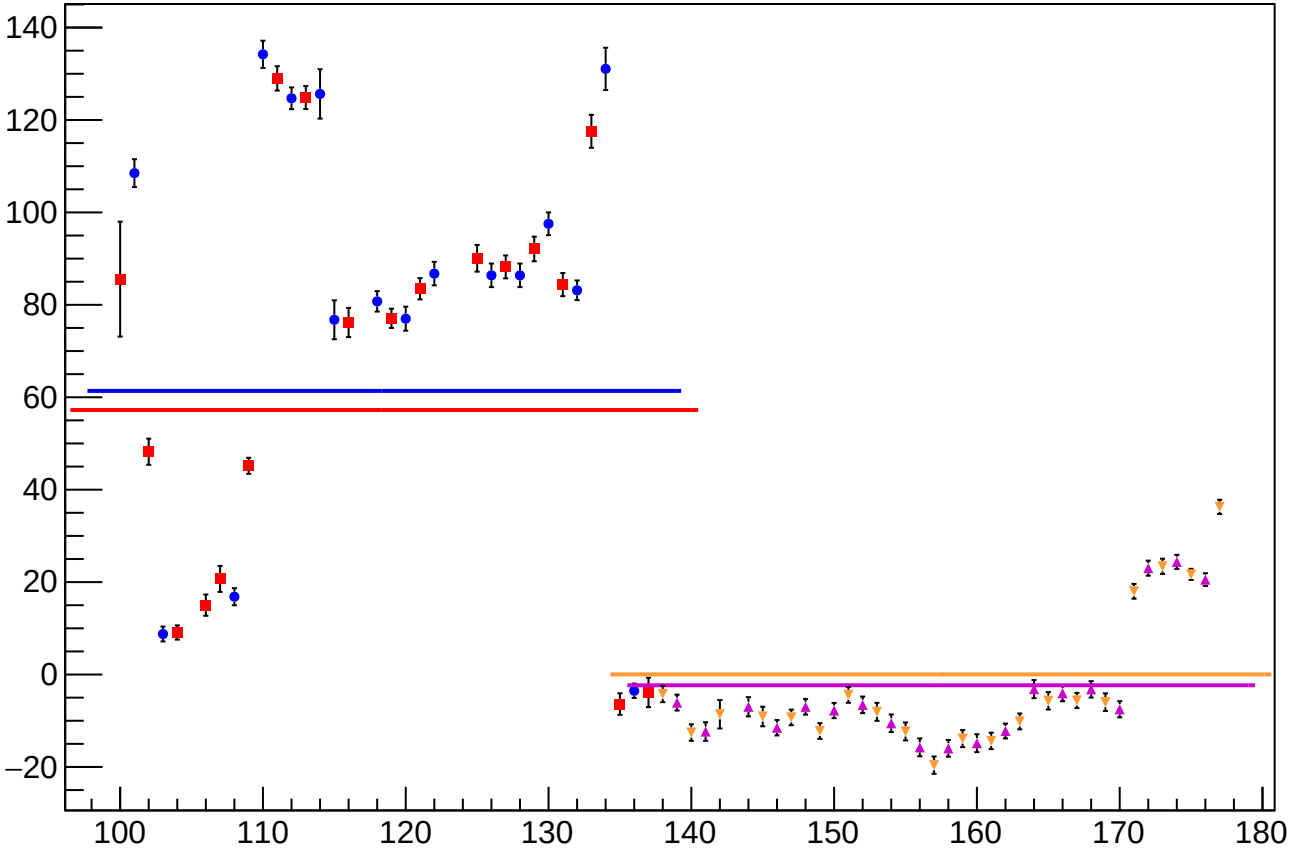
Left In: -1.595+/-0.295 χ^2/NDF:96.2/18

+ sign -2.667+/-0.254 χ^2/NDF: 475.1/35

All: -2.563+/-0.181 χ^2/NDF: 920.7/72

- sign -2.456+/-0.258 χ^2/NDF: 445.3/36

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: 0.030+/-0.391 χ^2/NDF:1724.2/19

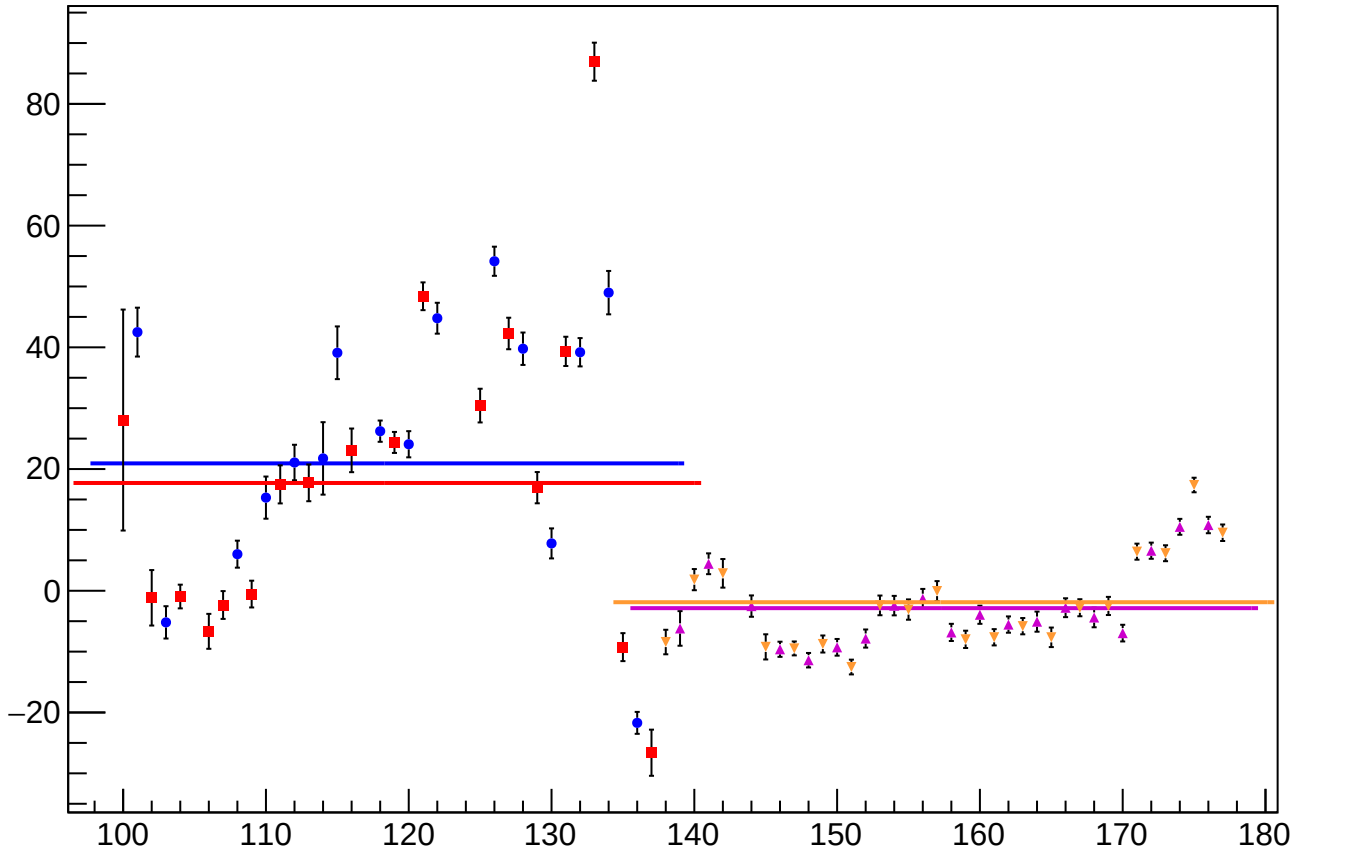
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -2.315+/-0.399 χ^2/NDF:1126.0/18

+ sign 18.558+/-0.327 χ^2/NDF: 15228.1/35

All: 17.694+/-0.232 χ^2/NDF: 28787.0/72

- sign 16.819+/-0.329 χ^2/NDF: 13544.8/36



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -1.880+/-0.326 χ^2/NDF:645.4/19

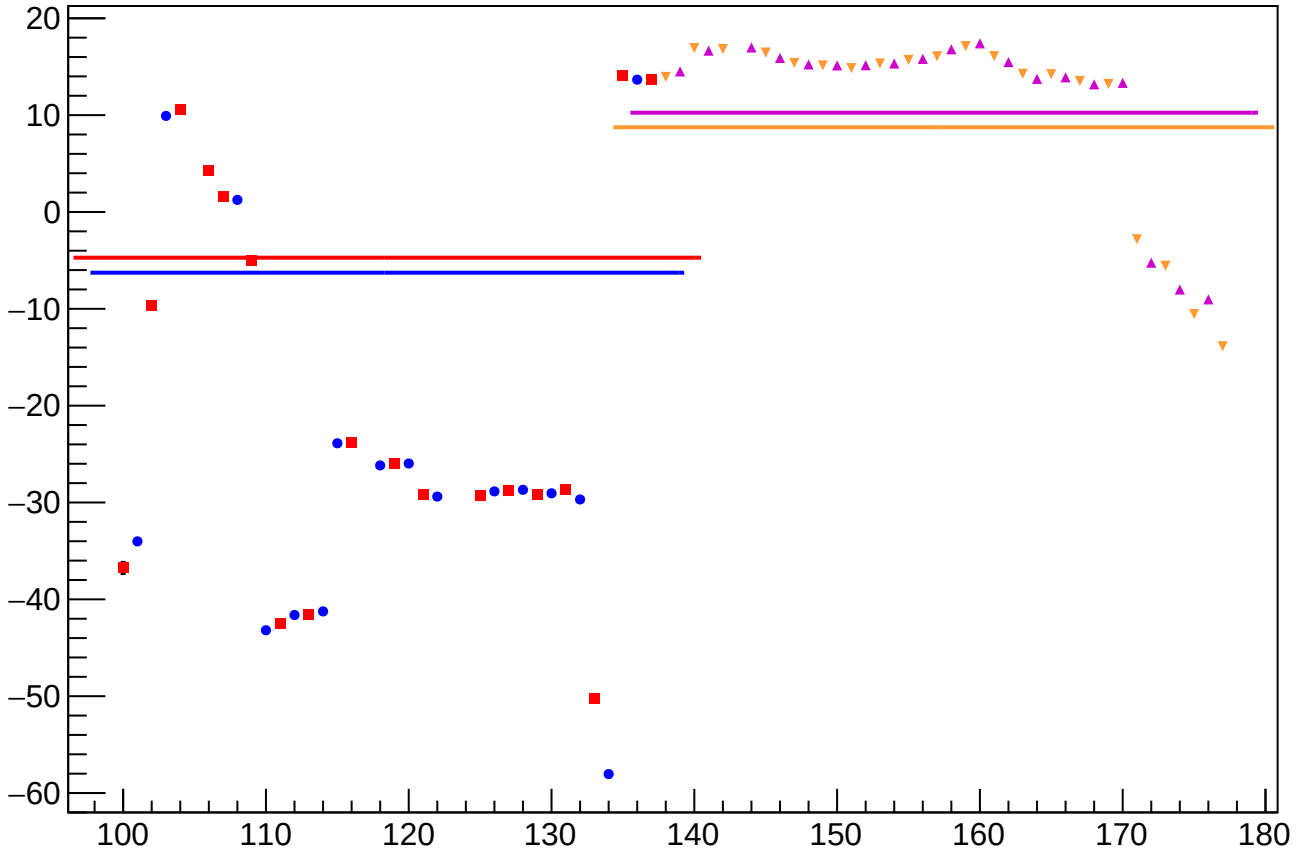
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -2.857+/-0.337 χ^2/NDF:416.6/18

+ sign 2.813+/-0.290 χ^2/NDF: 2899.4/35

All: 2.344+/-0.207 χ^2/NDF: 5656.7/72

- sign 1.856+/-0.296 χ^2/NDF: 2752.0/36



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 8.749+/-0.015 χ^2/NDF:534304.6/19

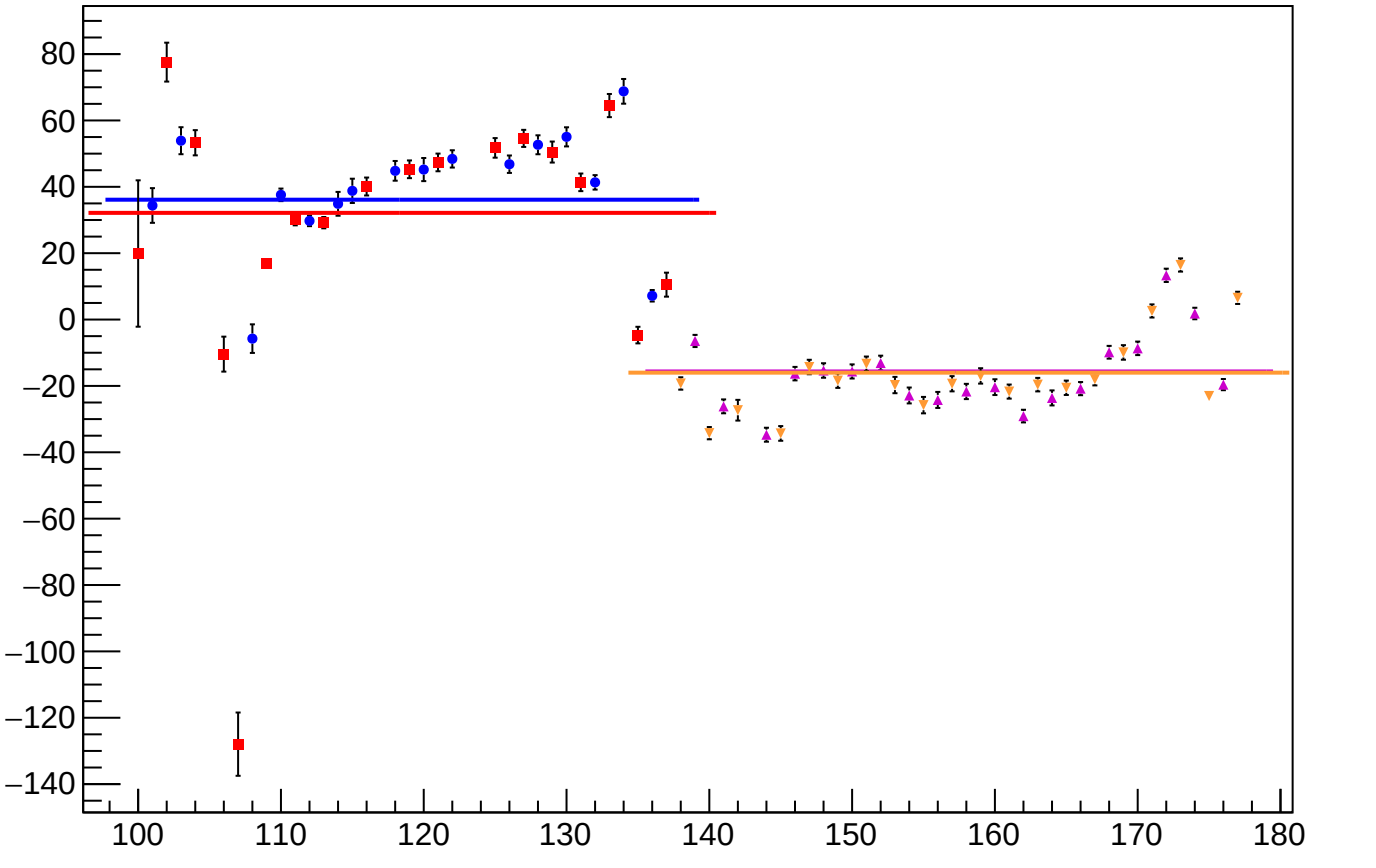
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 10.252+/-0.015 χ^2/NDF:407603.4/18

+ sign 6.322+/-0.013 χ^2/NDF: 1114151.0/35

All: 7.075+/-0.010 χ^2/NDF: 2000404.4/72

- sign 7.838+/-0.014 χ^2/NDF: 879928.4/36



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -16.002+/-0.463 χ^2/NDF:755.5/19

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

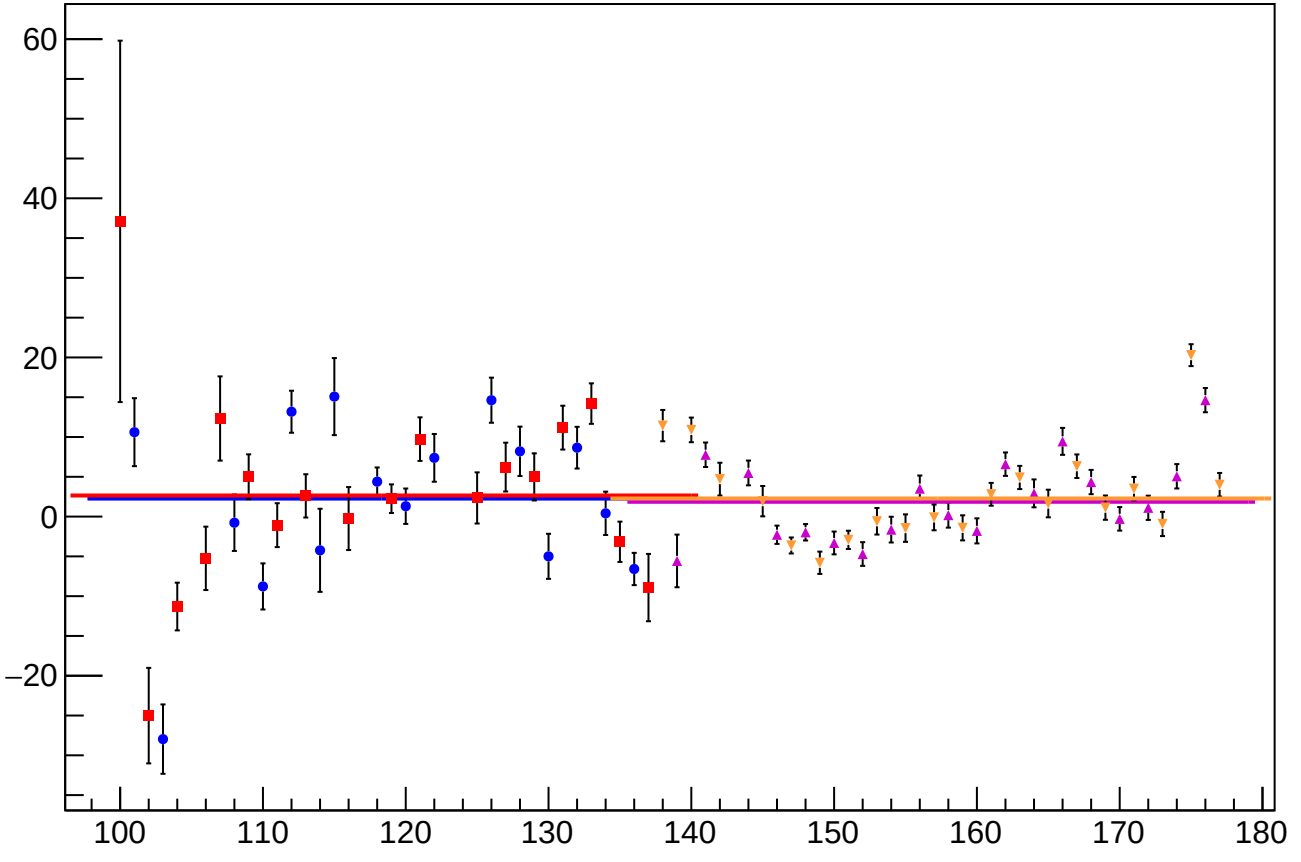
Left In: -15.641+/-0.471 χ^2/NDF:571.1/18

+ sign 1.297+/-0.378 χ^2/NDF: 5590.2/35

All: 1.388+/-0.267 χ^2/NDF: 10961.9/72

- sign 1.479+/-0.377 χ^2/NDF: 5371.5/36

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: 2.274+/-0.334 χ^2/NDF:346.9/19

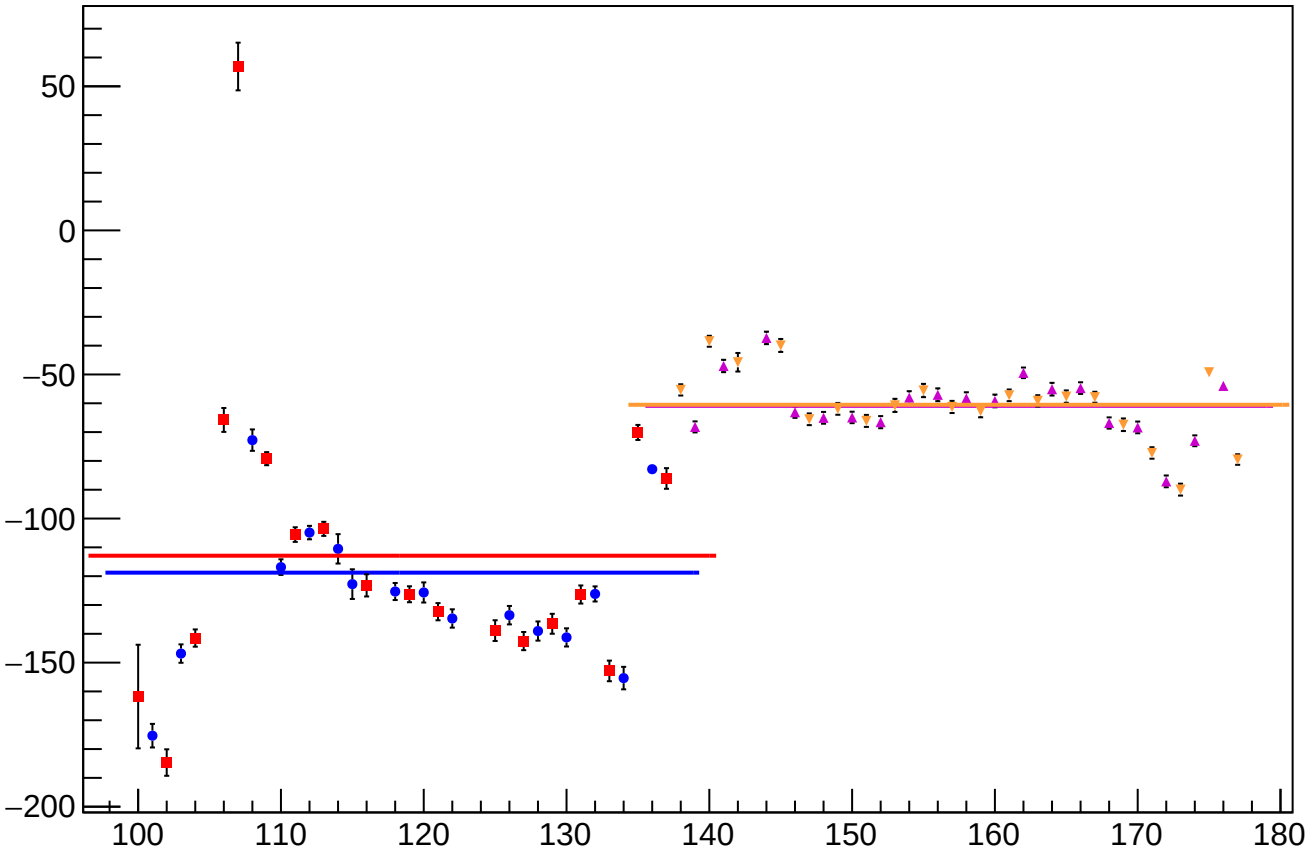
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 1.861+/-0.344 χ^2/NDF:207.0/18

+ sign 2.272+/-0.301 χ^2/NDF: 499.0/35

All: 2.145+/-0.216 χ^2/NDF: 814.6/72

- sign 2.010+/-0.310 χ^2/NDF: 315.2/36



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -60.516+/-0.455 χ^2/NDF:723.8/19

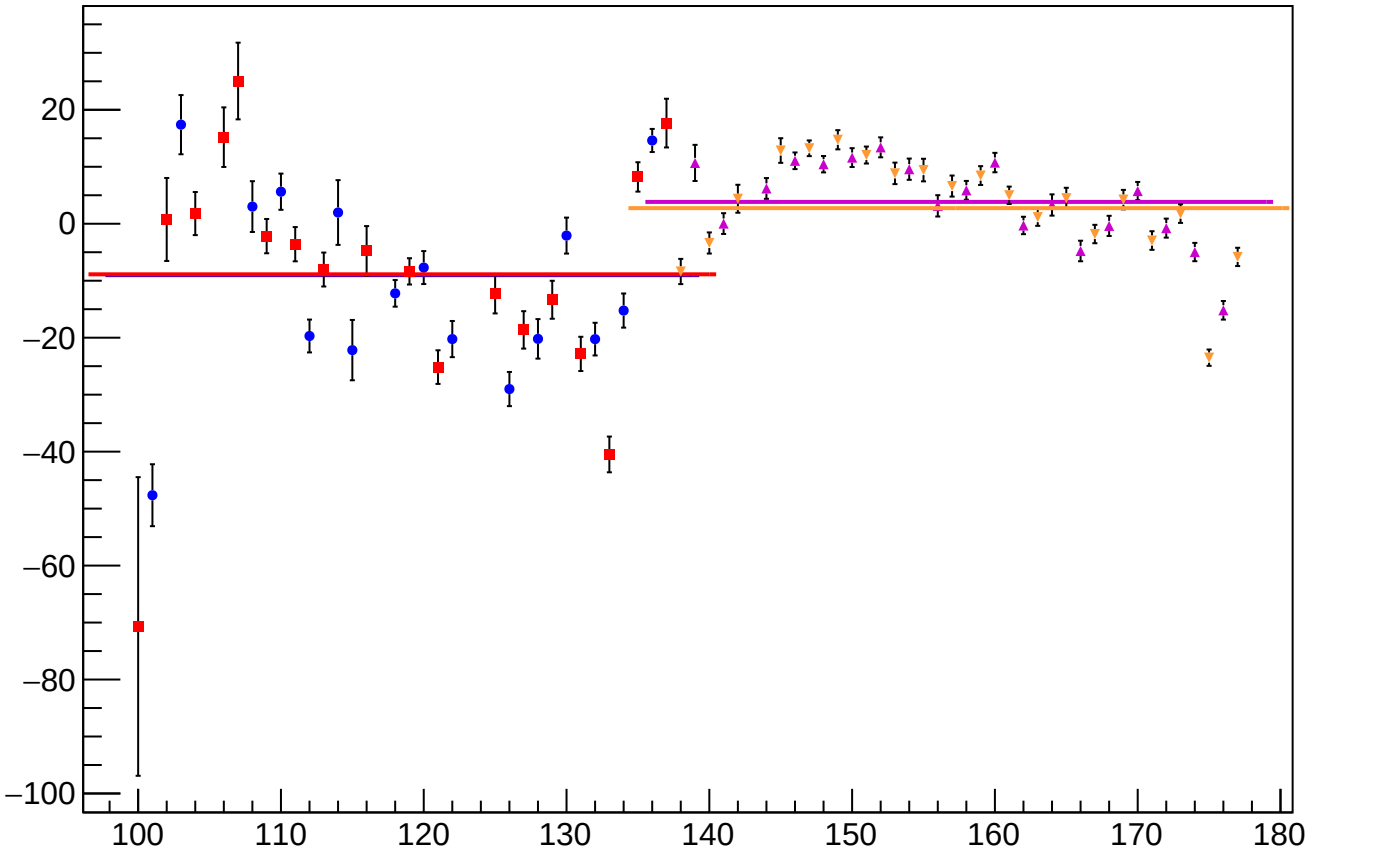
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.894+/-0.464 χ^2/NDF:498.8/18

\+ sign -75.973+/-0.390 χ^2/NDF: 6197.3/35

All: -75.486+/-0.278 χ^2/NDF: 11967.3/72

\- sign -74.983+/-0.396 χ^2/NDF: 5766.8/36



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 2.739+/-0.381 χ^2/NDF:633.9/19

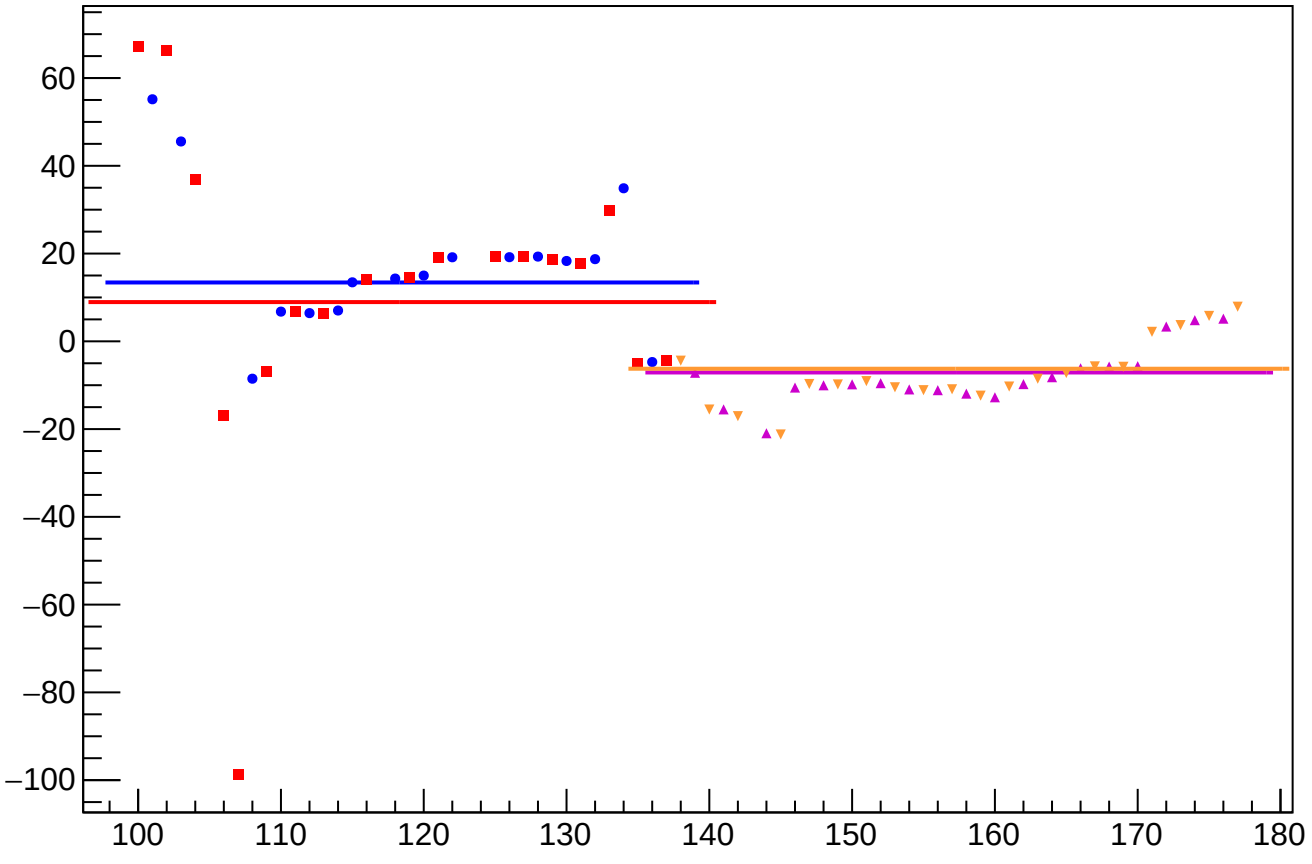
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 3.831+/-0.393 χ^2/NDF:346.5/18

+ sign 0.550+/-0.343 χ^2/NDF: 1169.7/35

All: 0.970+/-0.246 χ^2/NDF: 2037.2/72

- sign 1.414+/-0.353 χ^2/NDF: 864.4/36



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -6.246+/-0.017 χ^2/NDF:188022.6/19

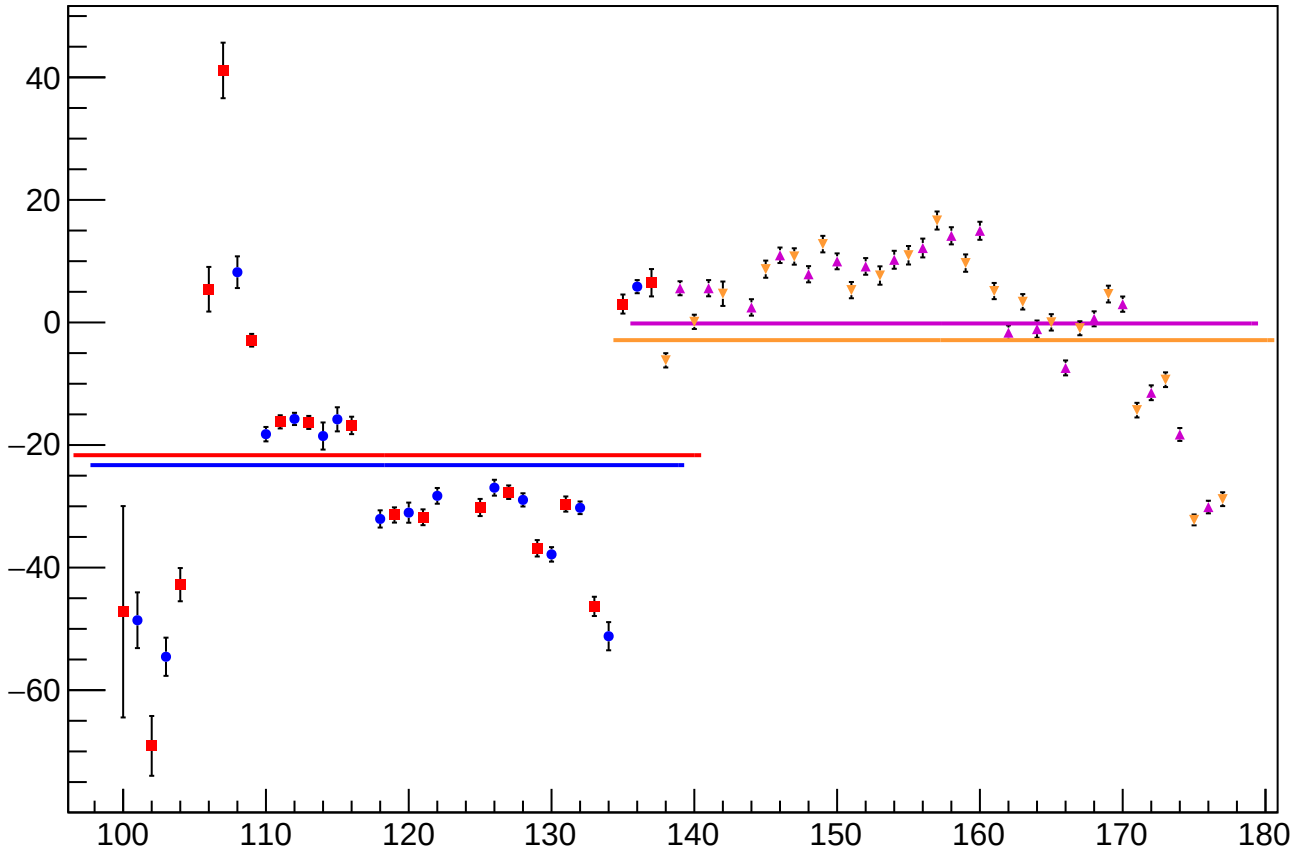
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -7.099+/-0.017 χ^2/NDF:141438.0/18

+ sign -3.795+/-0.016 χ^2/NDF: 536694.2/35

All: -4.508+/-0.011 χ^2/NDF: 1074507.4/72

- sign -5.235+/-0.016 χ^2/NDF: 533800.1/36



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -2.885+/-0.286 χ^2/NDF:2604.2/19

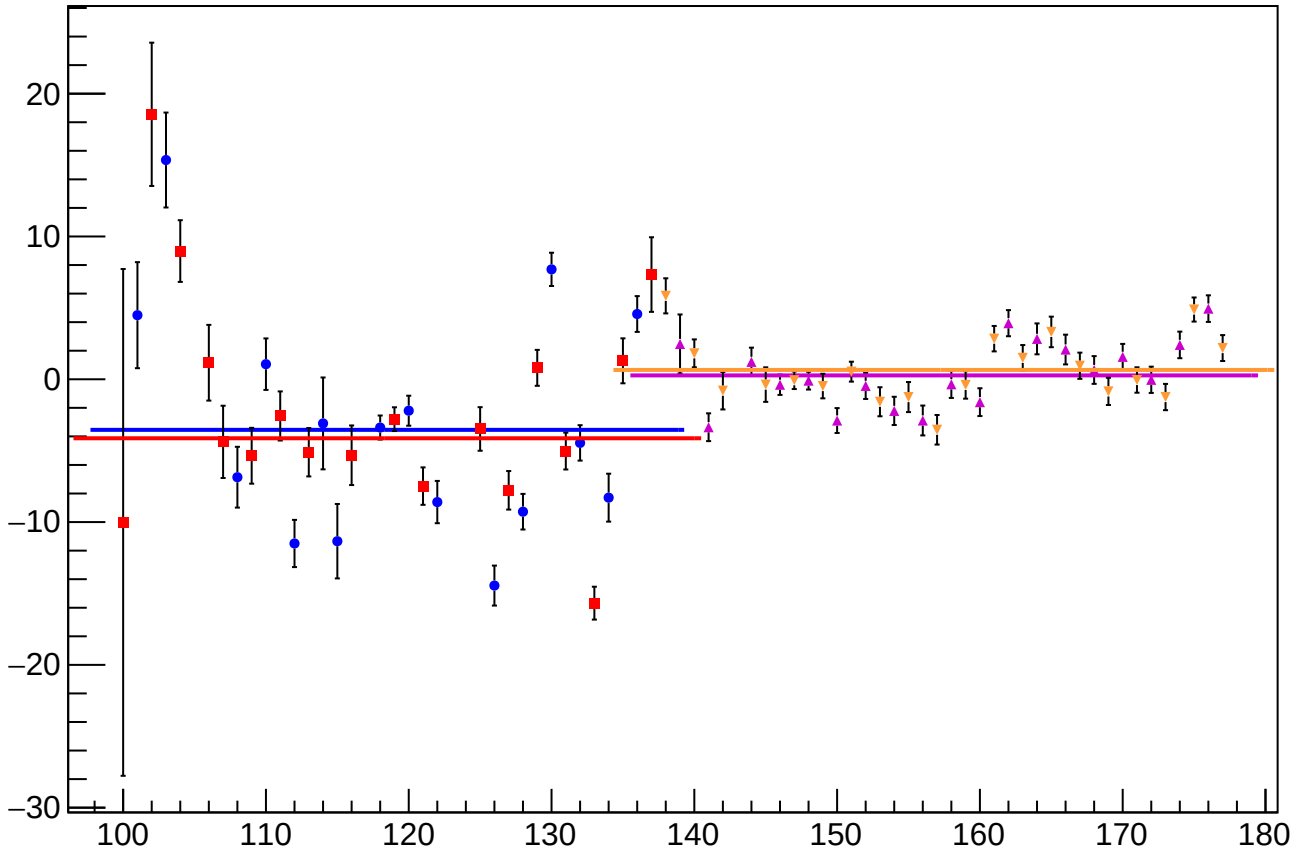
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -0.163+/-0.291 χ^2/NDF:1867.2/18

+ sign -11.026+/-0.221 χ^2/NDF: 6208.0/35

All: -10.034+/-0.157 χ^2/NDF: 12180.2/72

- sign -9.027+/-0.223 χ^2/NDF: 5931.8/36



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.654+/-0.206 χ^2/NDF:98.5/19

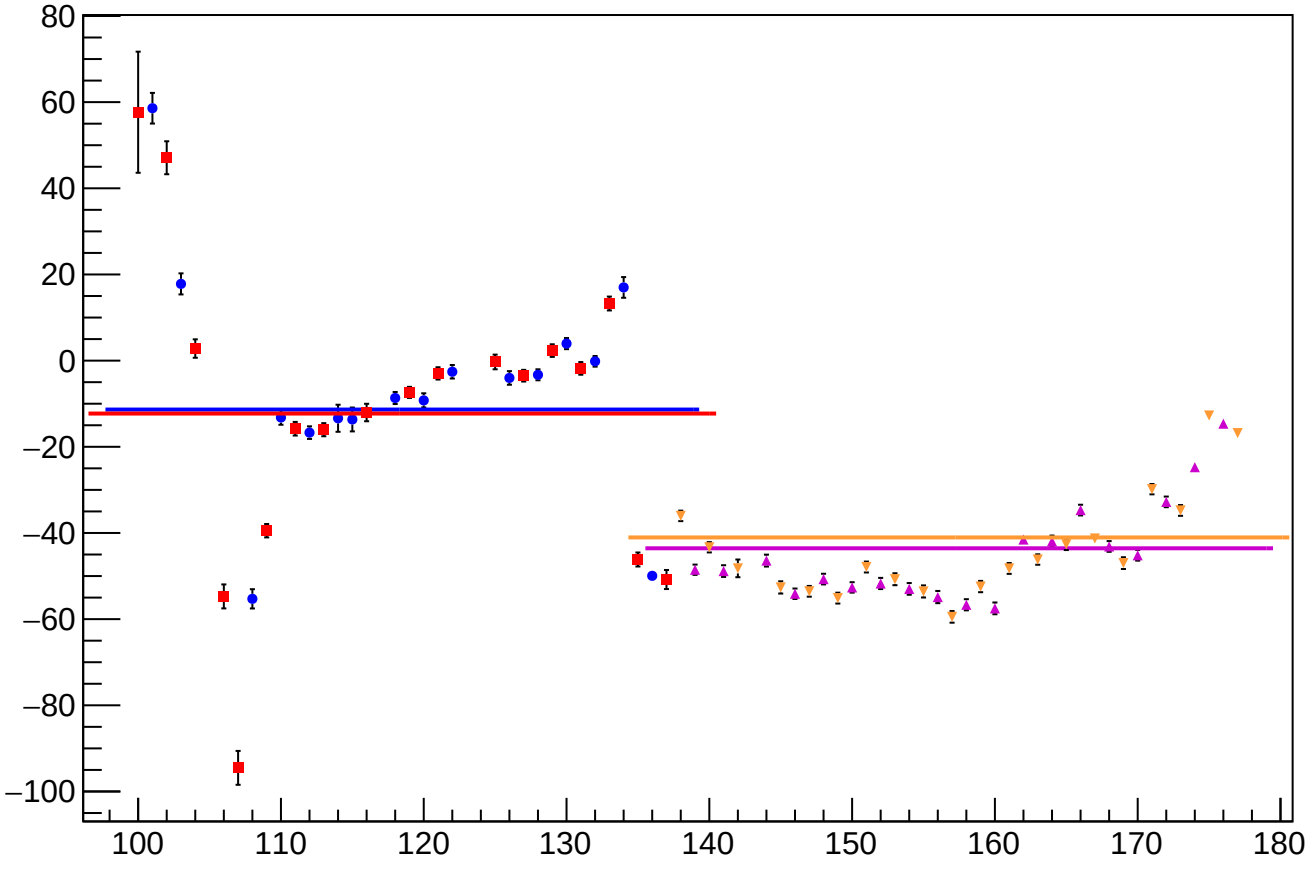
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.271+/-0.212 χ^2/NDF:107.9/18

\+ sign -0.367+/-0.179 χ^2/NDF: 516.5/35

All: -0.586+/-0.128 χ^2/NDF: 961.2/72

\- sign -0.817+/-0.184 χ^2/NDF: 441.6/36



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -41.036+/-0.281 χ^2/NDF:2415.3/19

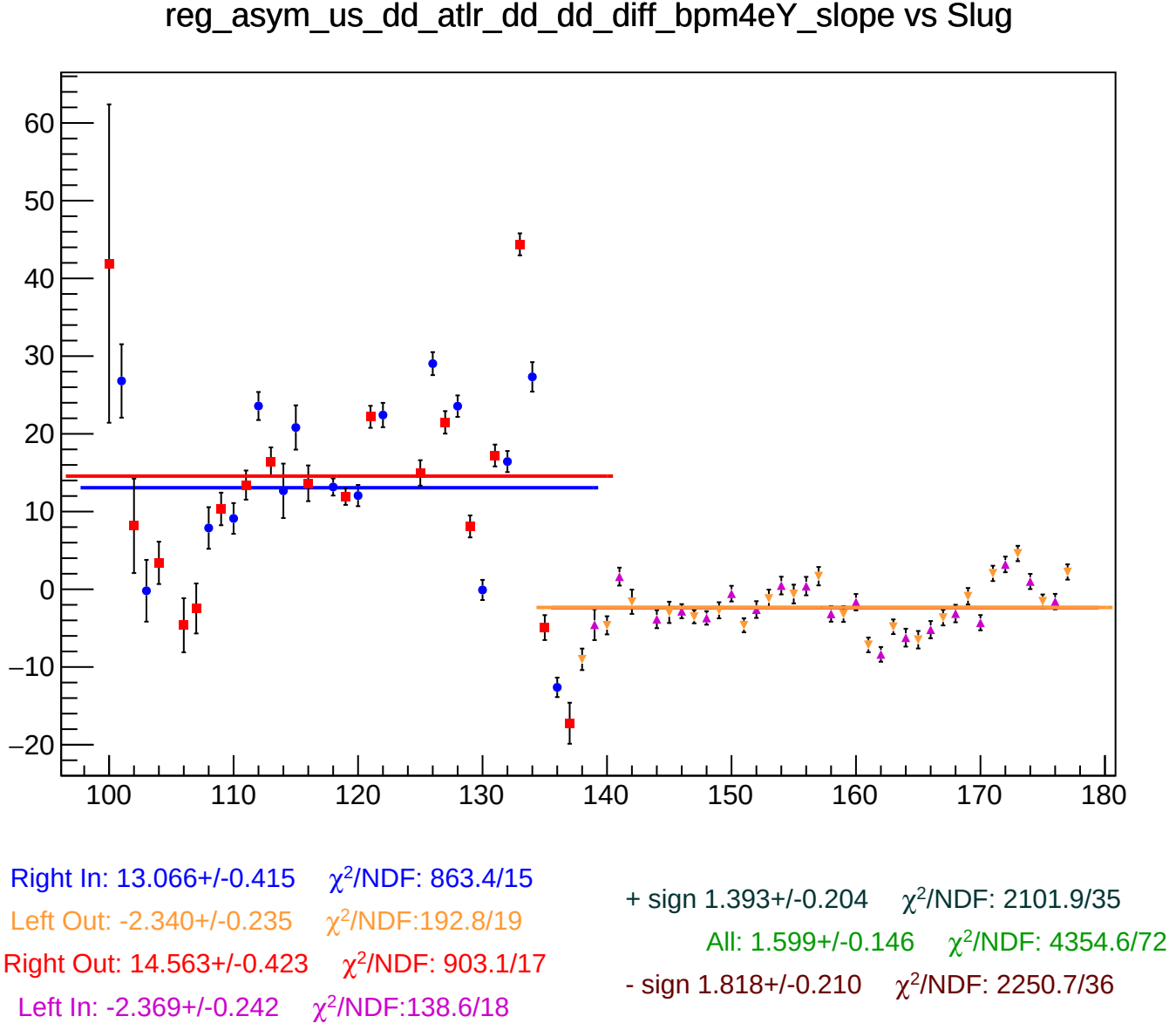
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

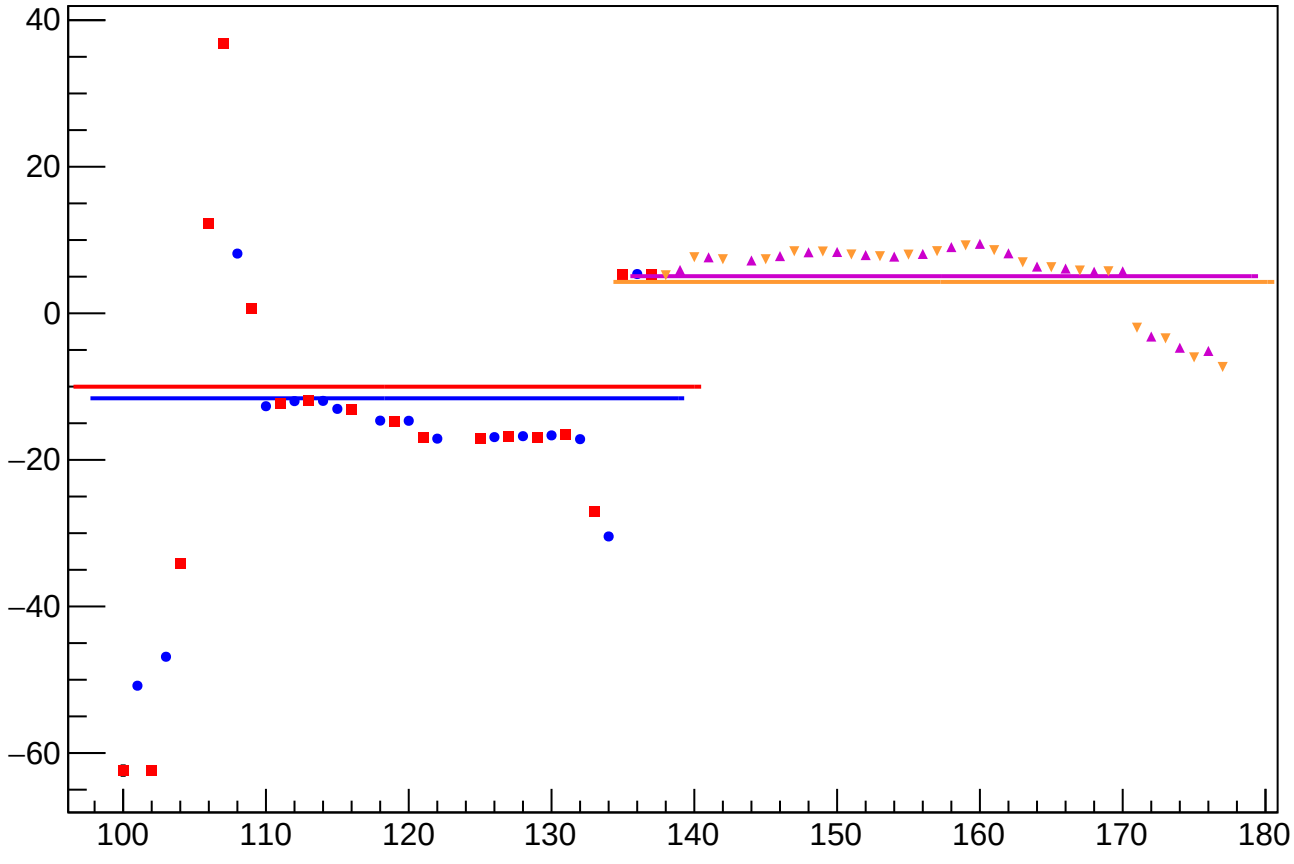
Left In: -43.556+/-0.286 χ^2/NDF:1774.4/18

+ sign -31.427+/-0.231 χ^2/NDF: 8696.9/35

All: -32.397+/-0.165 χ^2/NDF: 16968.2/72

- sign -33.405+/-0.235 χ^2/NDF: 8235.3/36


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: -2.340+/-0.235 χ²/NDF:192.8/19
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -2.369+/-0.242 χ²/NDF:138.6/18
+ sign 1.393+/-0.204 χ²/NDF: 2101.9/35
All: 1.599+/-0.146 χ²/NDF: 4354.6/72
- sign 1.818+/-0.210 χ²/NDF: 2250.7/36



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 4.284+/-0.011 χ^2/NDF:276906.5/19

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

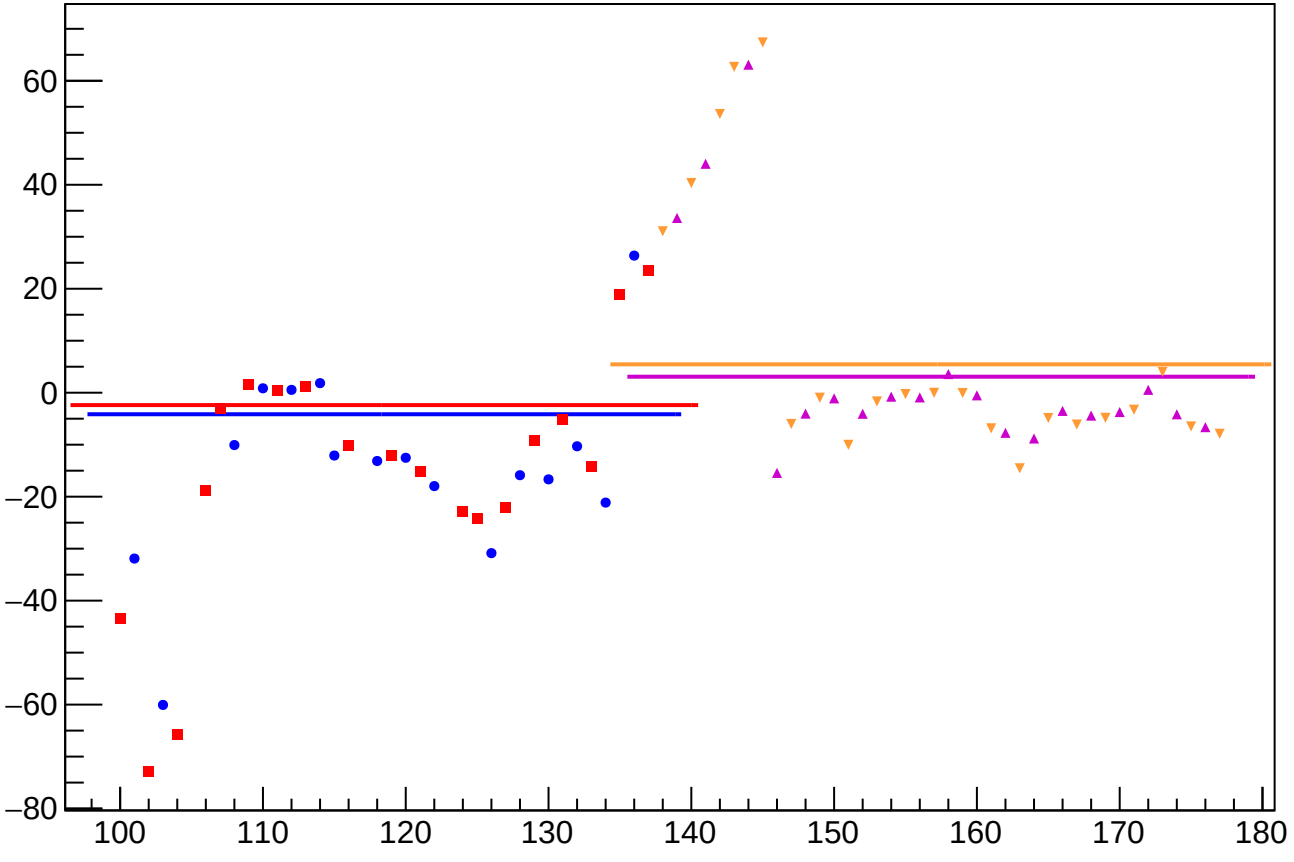
Left In: 5.066+/-0.011 χ^2/NDF:210531.4/18

+ sign 2.087+/-0.010 χ^2/NDF: 951309.2/35

All: 2.591+/-0.007 χ^2/NDF: 1826090.7/72

- sign 3.106+/-0.010 χ^2/NDF: 869414.6/36

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 5.455+/-0.051 χ^2/NDF:166767.9/20

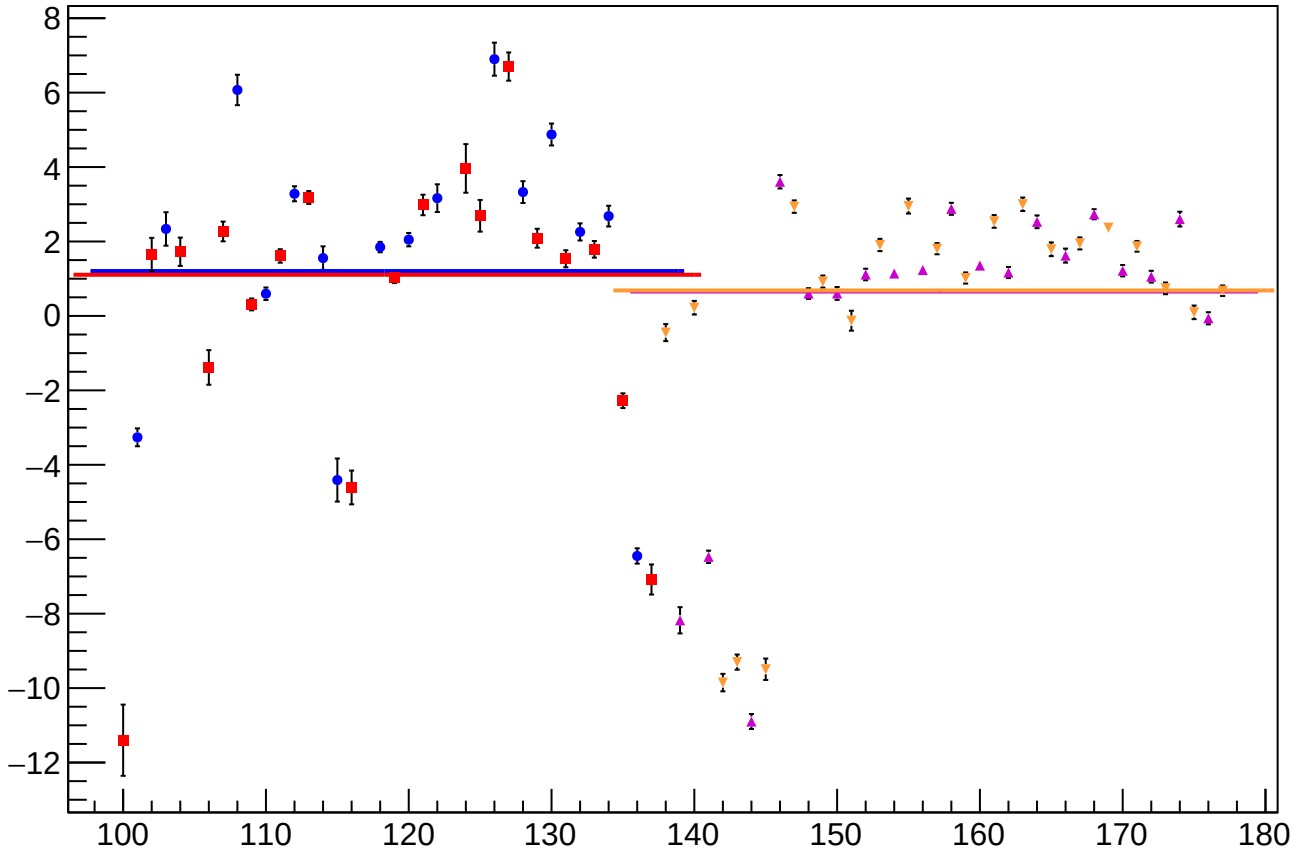
Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 3.077+/-0.048 χ^2/NDF:126007.7/18

+ sign 0.993+/-0.037 χ^2/NDF: 258528.5/36

All: 0.576+/-0.025 χ^2/NDF: 472244.7/74

- sign 0.244+/-0.033 χ^2/NDF: 213491.1/37



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.685+/-0.038 χ^2/NDF:6746.9/20

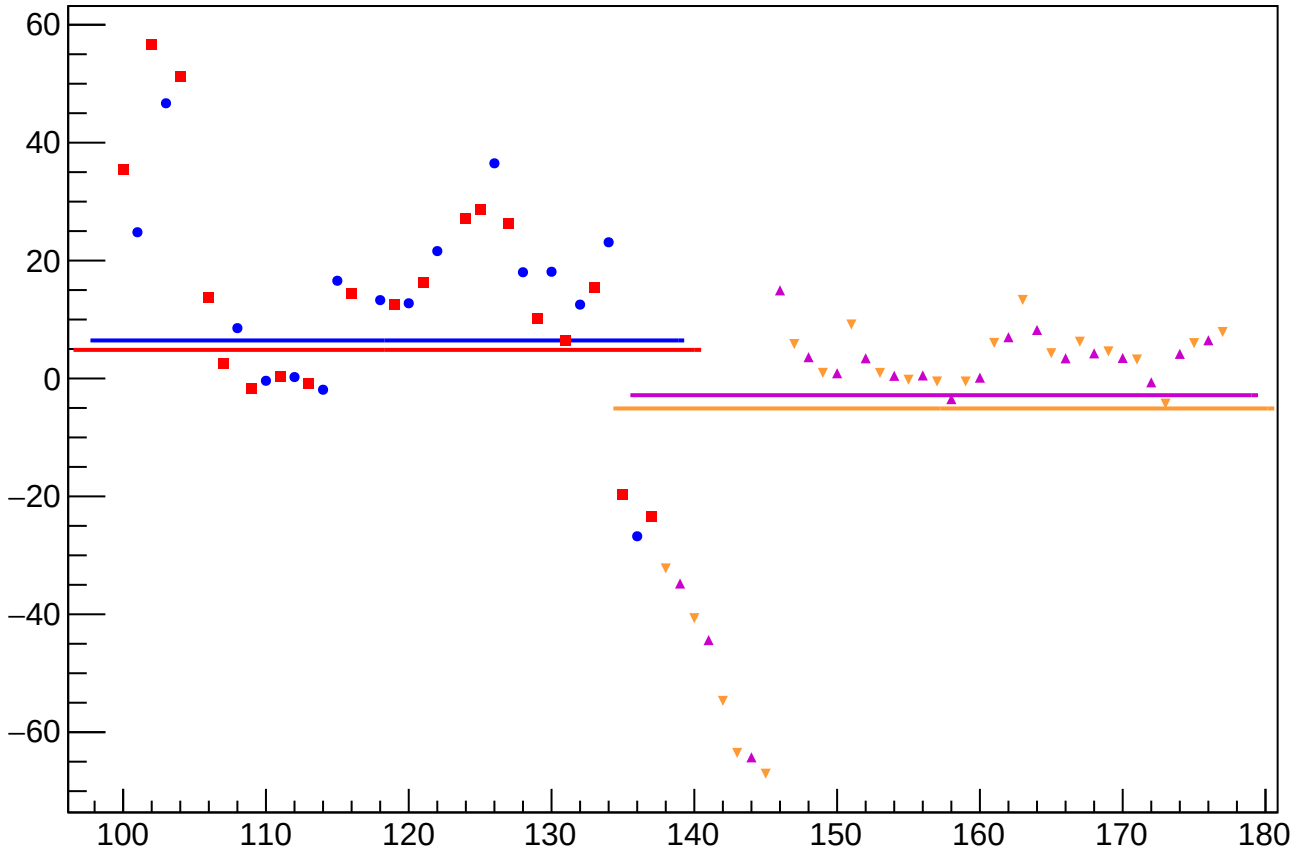
Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.656+/-0.035 χ^2/NDF:6842.3/18

+ sign 0.832+/-0.032 χ^2/NDF: 9384.7/36

All: 0.804+/-0.022 χ^2/NDF: 17860.5/74

- sign 0.779+/-0.030 χ^2/NDF: 8474.3/37



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -5.086+/-0.050 χ^2/NDF:161430.1/20

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

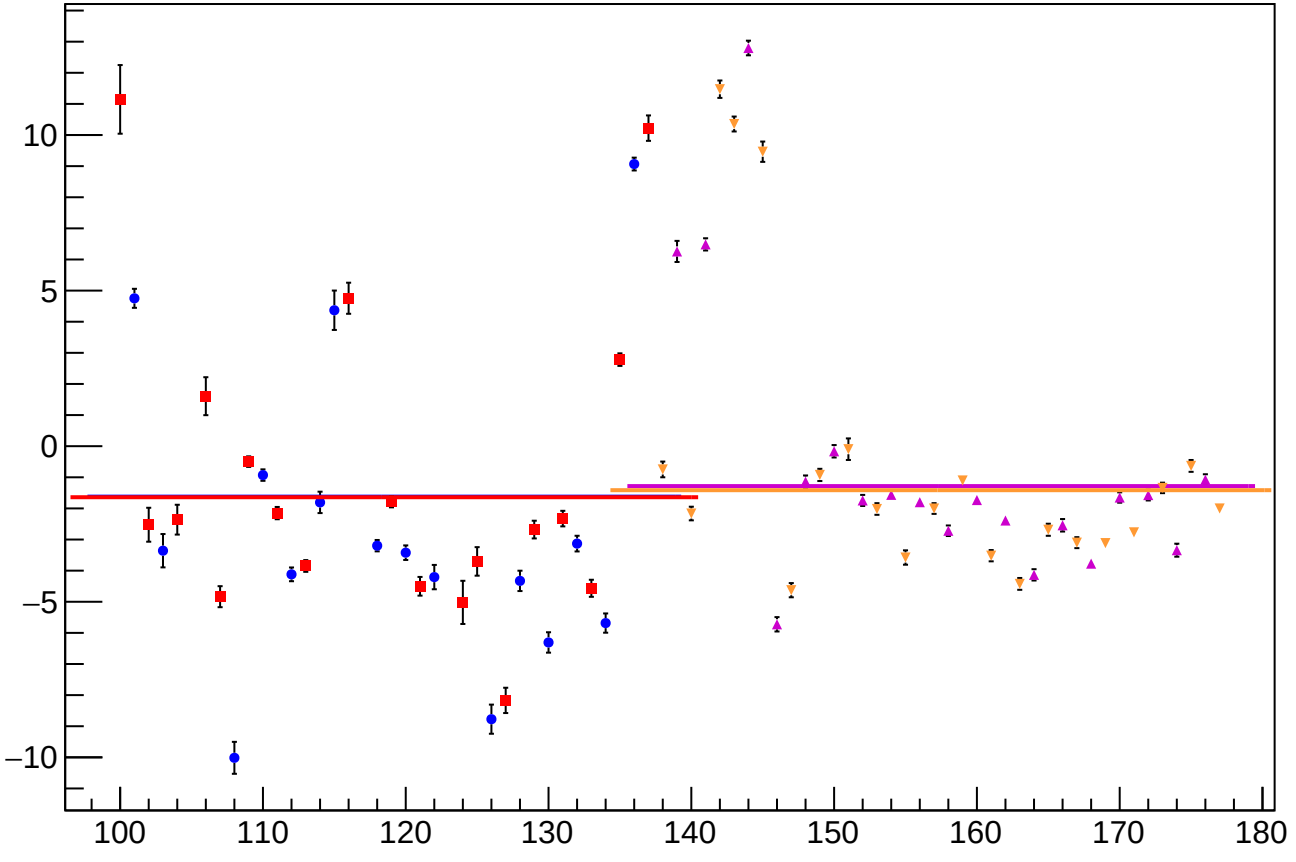
Left In: -2.835+/-0.047 χ^2/NDF:123065.8/18

+ sign -0.791+/-0.040 χ^2/NDF: 251757.7/36

All: -0.301+/-0.027 χ^2/NDF: 460782.1/74

- sign 0.116+/-0.037 χ^2/NDF: 208742.8/37

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.414+/-0.042 χ^2/NDF:6740.6/20

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

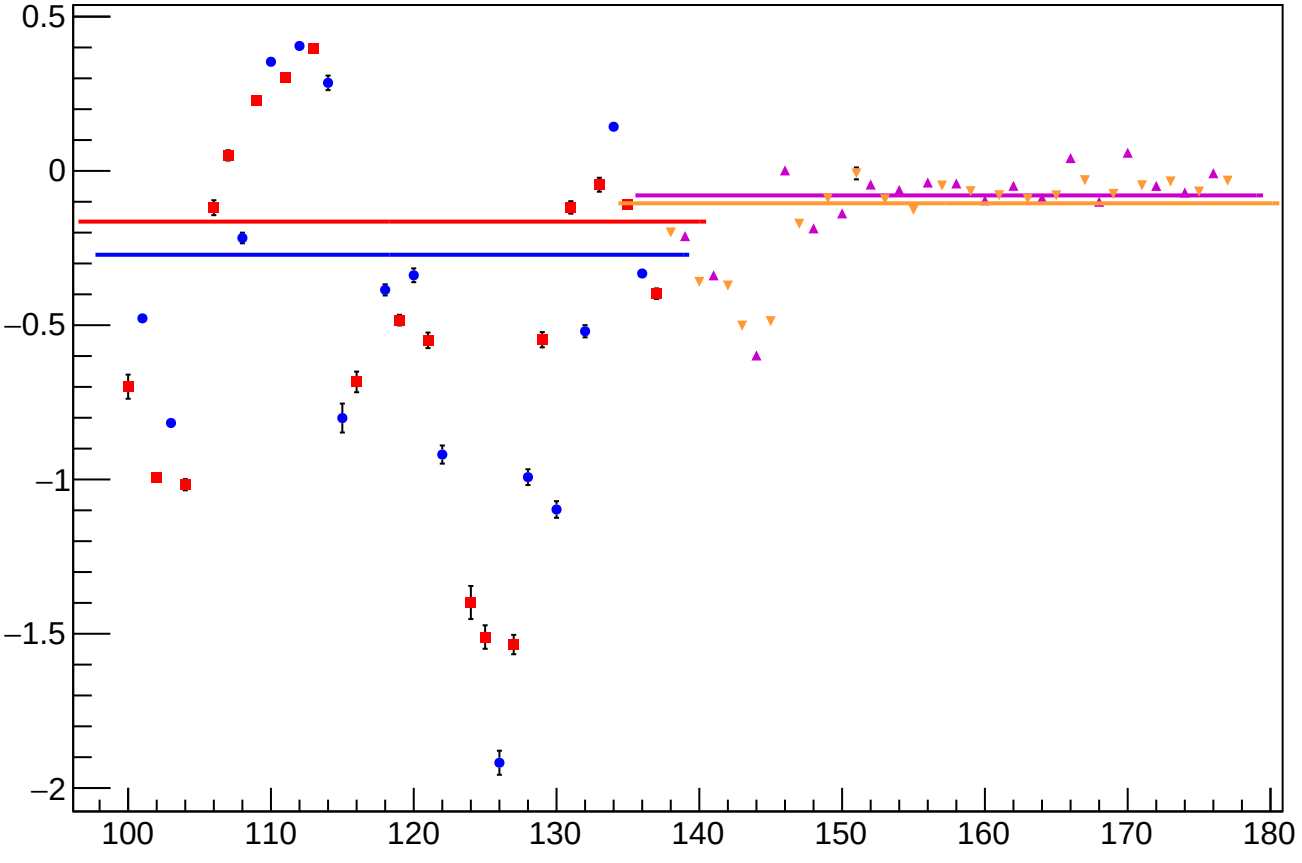
Left In: -1.283+/-0.040 χ^2/NDF:6838.1/18

+ sign -1.470+/-0.036 χ^2/NDF: 11272.3/36

All: -1.422+/-0.025 χ^2/NDF: 20598.2/74

- sign -1.380+/-0.034 χ^2/NDF: 9322.6/37

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.105+/-0.002 χ^2/NDF:3632.3/20

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

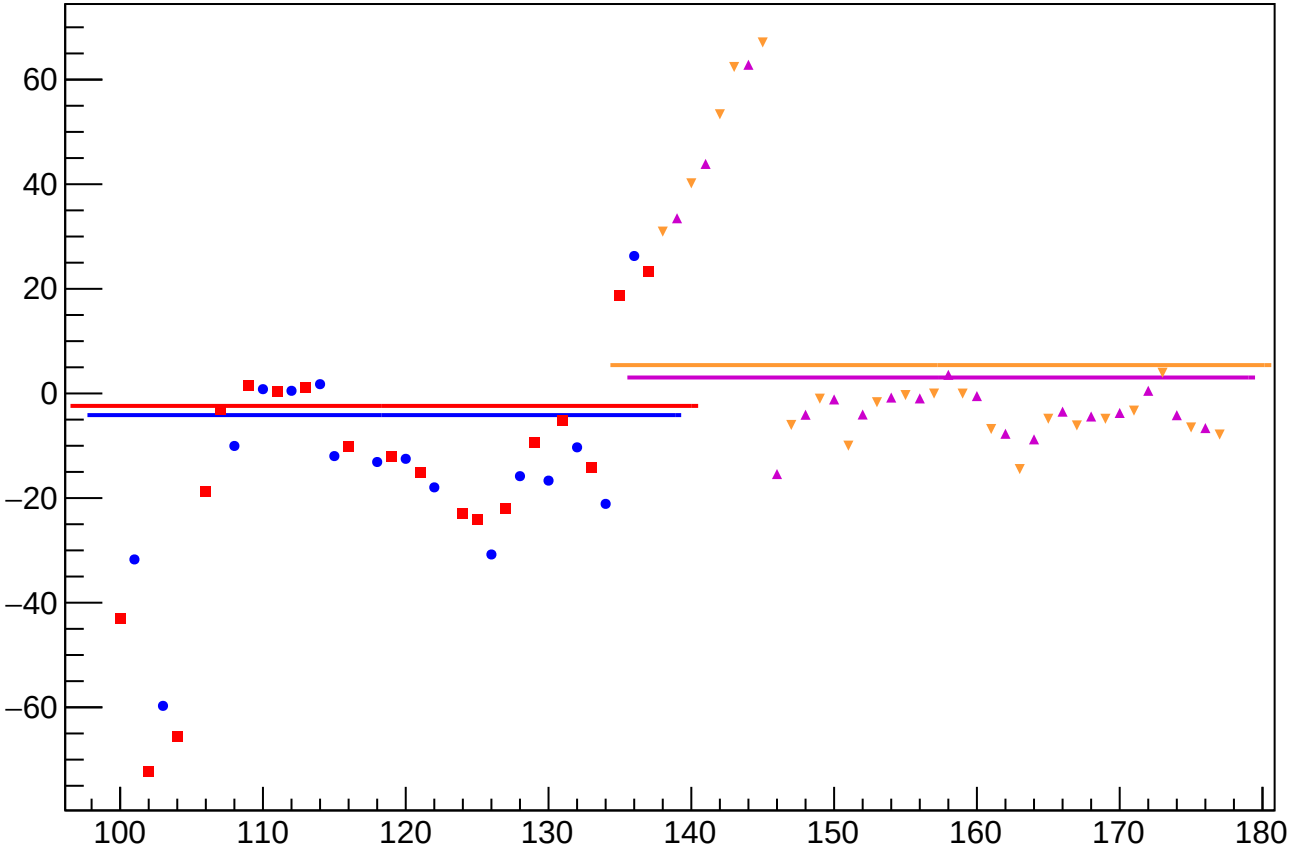
Left In: -0.079+/-0.002 χ^2/NDF:3804.2/18

+ sign -0.133+/-0.002 χ^2/NDF: 17024.4/36

All: -0.111+/-0.001 χ^2/NDF: 37044.3/74

- sign -0.093+/-0.002 χ^2/NDF: 19720.0/37

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 5.420+/-0.051 χ^2/NDF:166537.8/20

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

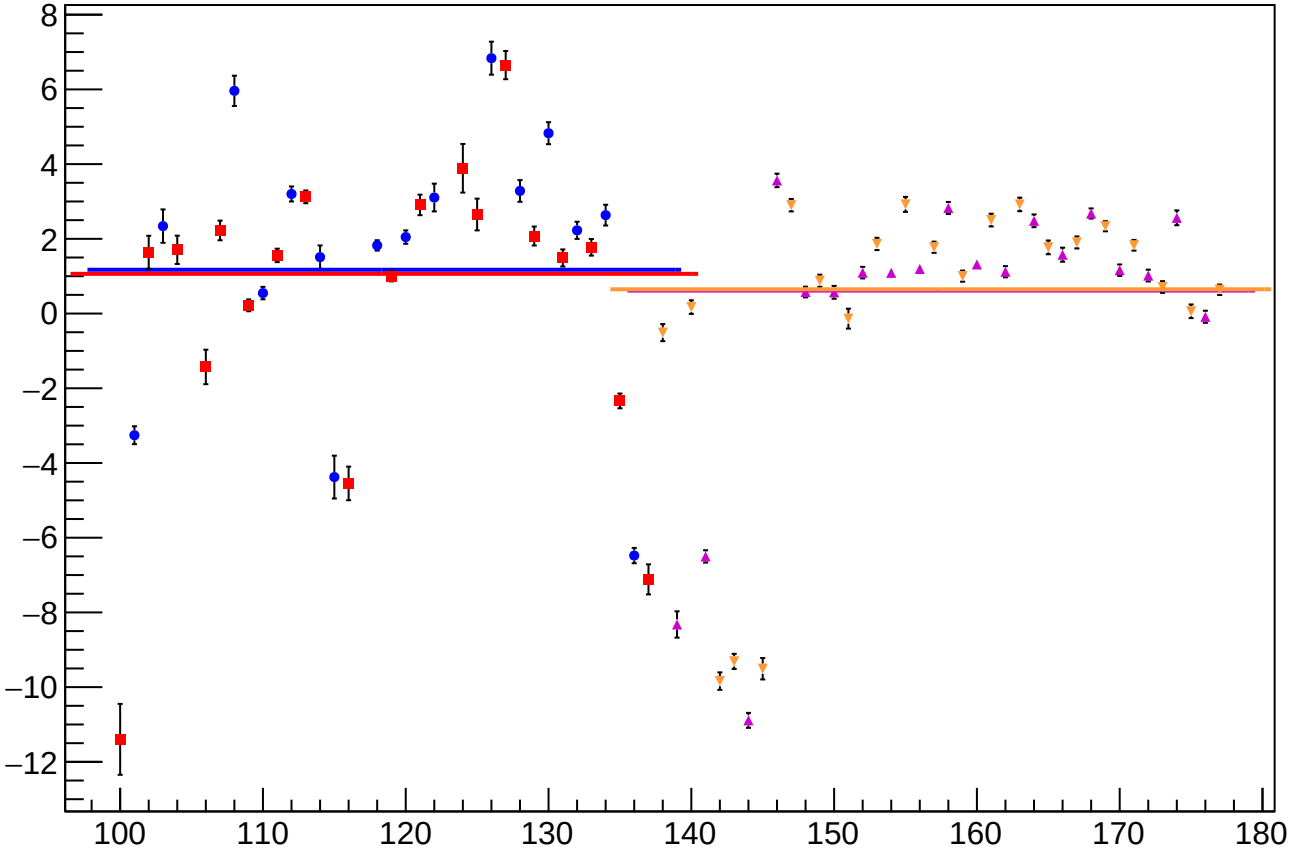
Left In: 3.049+/-0.048 χ^2/NDF:125897.2/18

+ sign 0.964+/-0.037 χ^2/NDF: 258294.0/36

All: 0.550+/-0.025 χ^2/NDF: 471804.1/74

- sign 0.222+/-0.033 χ^2/NDF: 213286.9/37

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.649+/-0.038 χ^2/NDF:6751.0/20

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

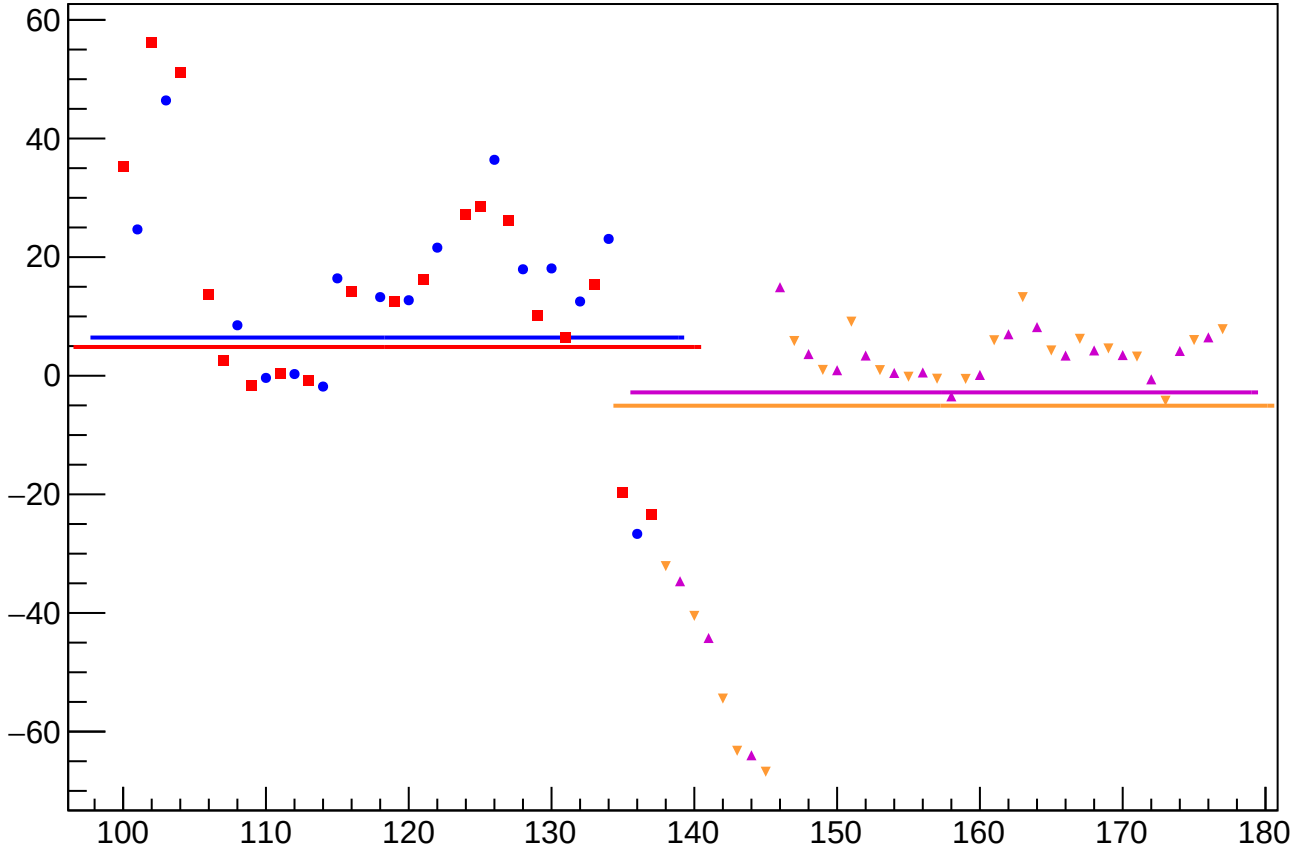
Left In: 0.615+/-0.035 χ^2/NDF:6857.8/18

+ sign 0.797+/-0.032 χ^2/NDF: 9389.7/36

All: 0.766+/-0.022 χ^2/NDF: 17890.7/74

- sign 0.738+/-0.030 χ^2/NDF: 8499.2/37

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -5.052+/-0.050 χ^2/NDF:161204.7/20

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

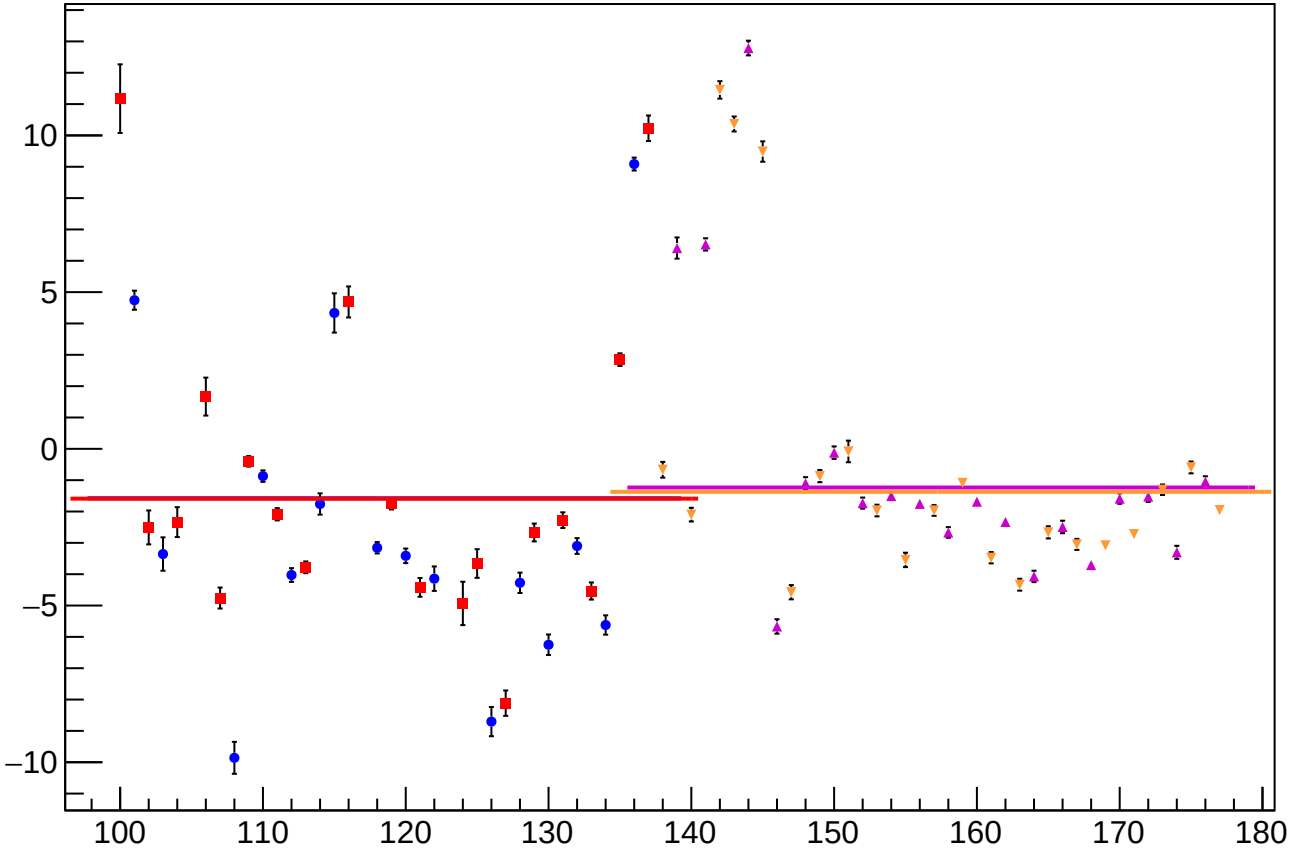
Left In: -2.807+/-0.047 χ^2/NDF:122953.4/18

+ sign -0.762+/-0.040 χ^2/NDF: 251523.3/36

All: -0.274+/-0.027 χ^2/NDF: 460332.5/74

- sign 0.141+/-0.037 χ^2/NDF: 208527.6/37

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.372+/-0.042 χ^2/NDF:6739.1/20

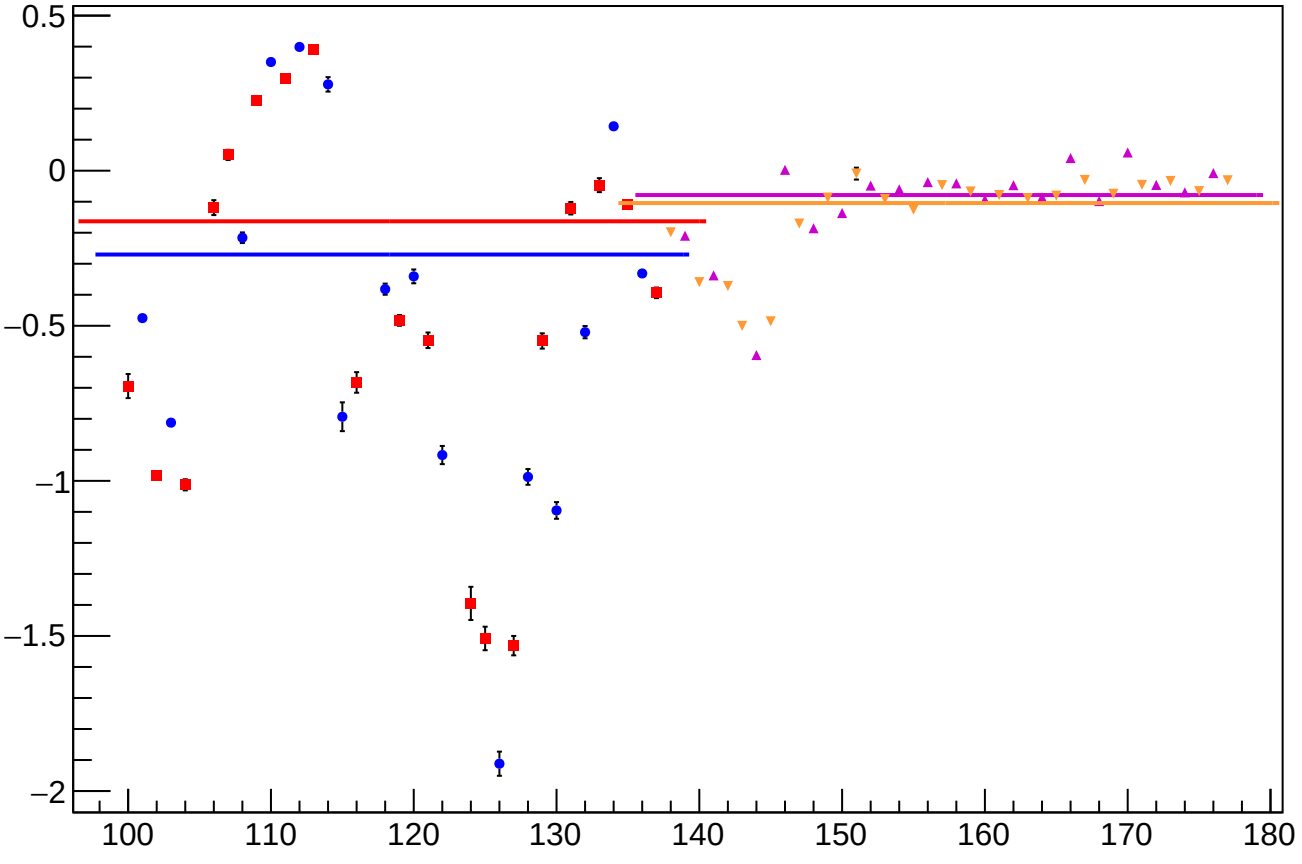
Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.234+/-0.039 χ^2/NDF:6852.6/18

+ sign -1.428+/-0.036 χ^2/NDF: 11269.9/36

All: -1.376+/-0.025 χ^2/NDF: 20620.8/74

- sign -1.331+/-0.034 χ^2/NDF: 9347.0/37



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.104+/-0.002 χ^2/NDF:3650.8/20

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

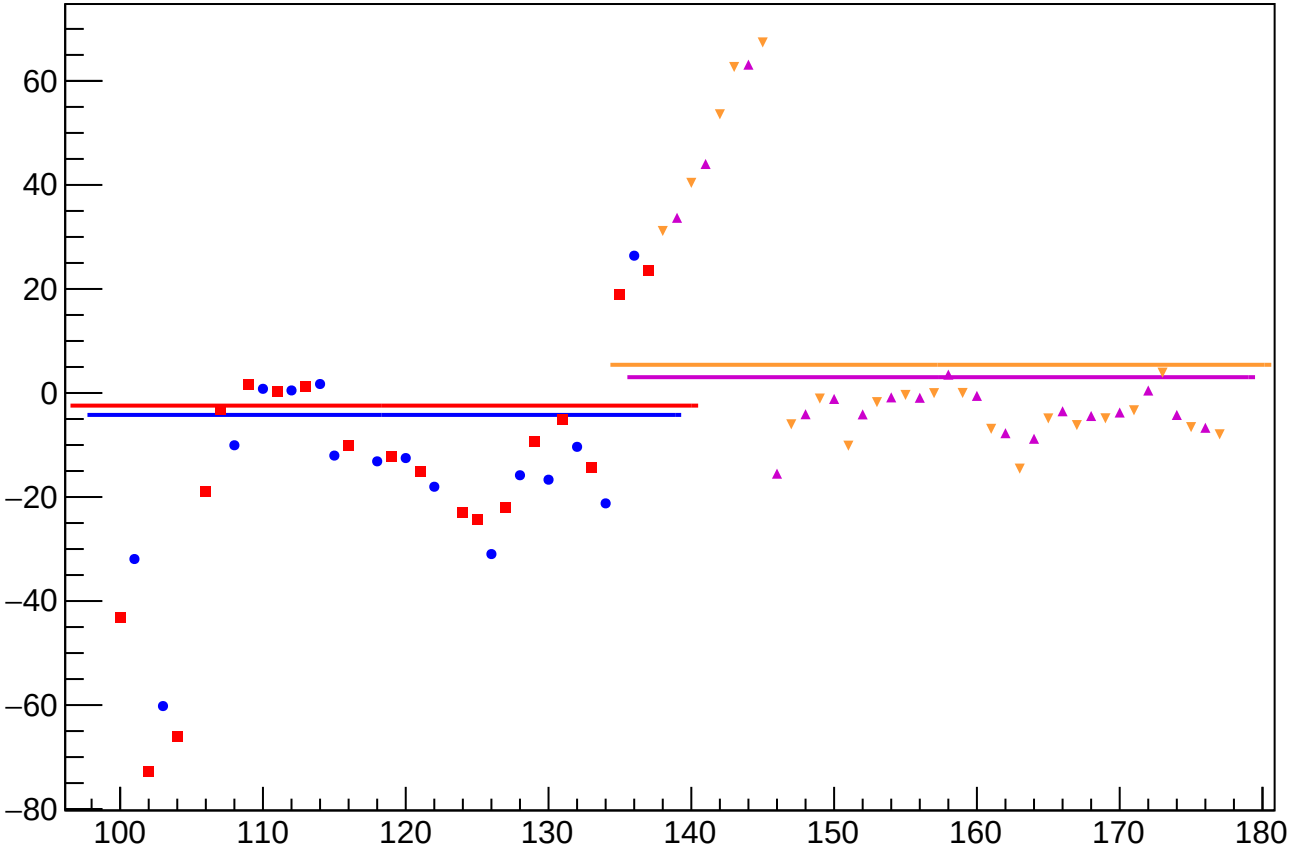
Left In: -0.079+/-0.002 χ^2/NDF:3785.2/18

+ sign -0.132+/-0.002 χ^2/NDF: 17030.9/36

All: -0.110+/-0.001 χ^2/NDF: 37051.7/74

- sign -0.092+/-0.002 χ^2/NDF: 19715.3/37

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 5.422+/-0.051 χ^2/NDF:166913.1/20

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

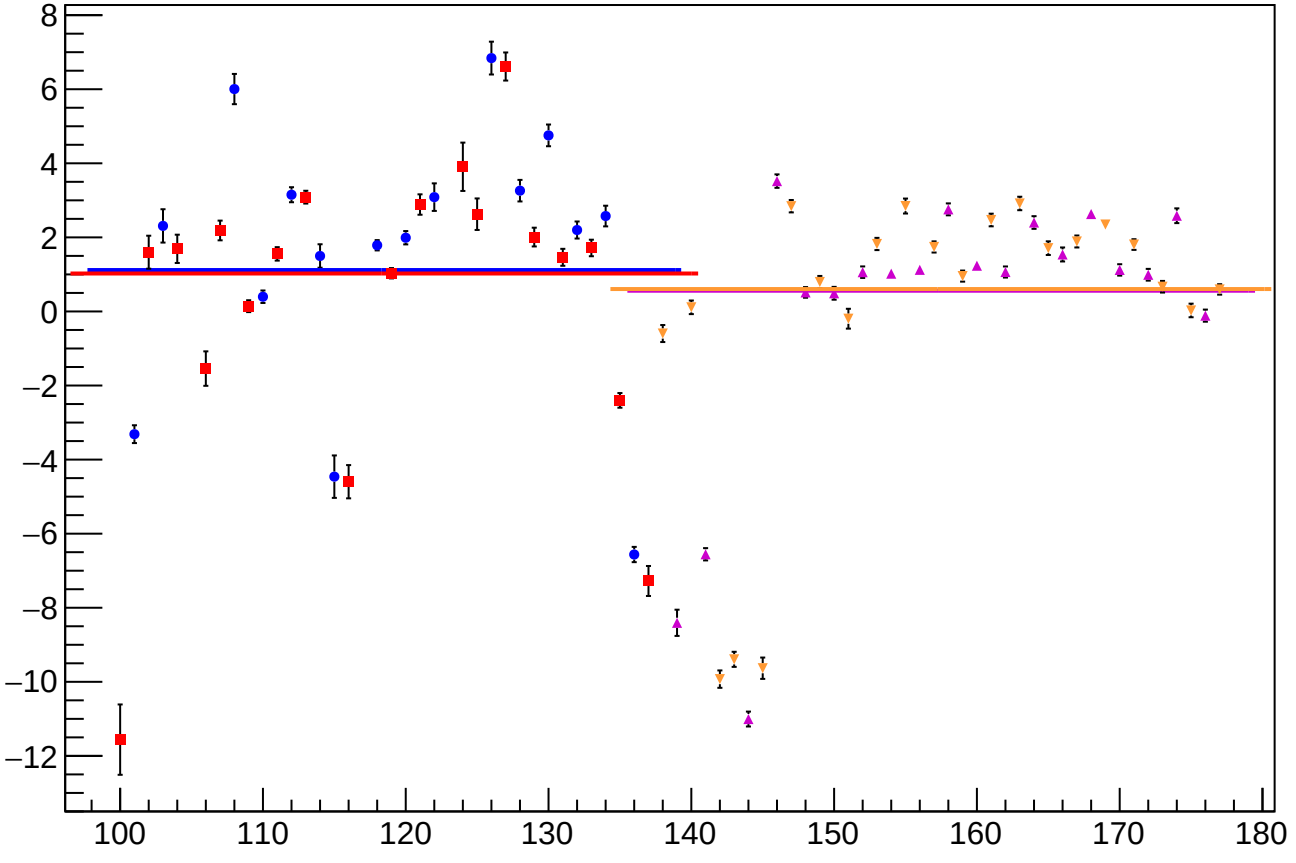
Left In: 3.039+/-0.048 χ^2/NDF:126030.0/18

+ sign 0.941+/-0.037 χ^2/NDF: 258725.9/36

All: 0.530+/-0.025 χ^2/NDF: 472439.7/74

- sign 0.202+/-0.033 χ^2/NDF: 213495.4/37

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.605+/-0.038 χ^2/NDF:6772.5/20

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

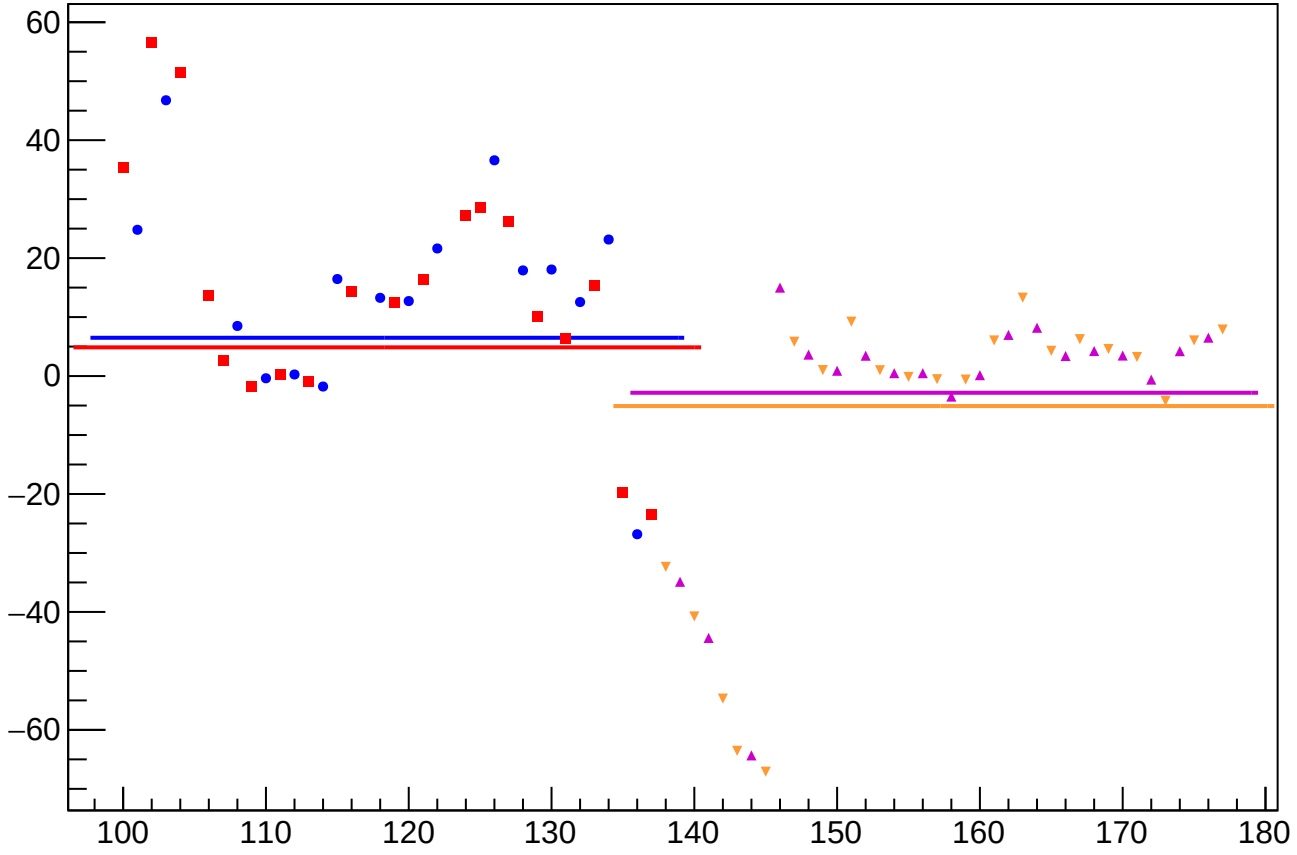
Left In: 0.560+/-0.035 χ^2/NDF:6842.7/18

+ sign 0.750+/-0.032 χ^2/NDF: 9415.9/36

All: 0.717+/-0.022 χ^2/NDF: 17920.5/74

- sign 0.687+/-0.030 χ^2/NDF: 8502.6/37

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -5.087+/-0.050 χ^2/NDF:161579.8/20

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

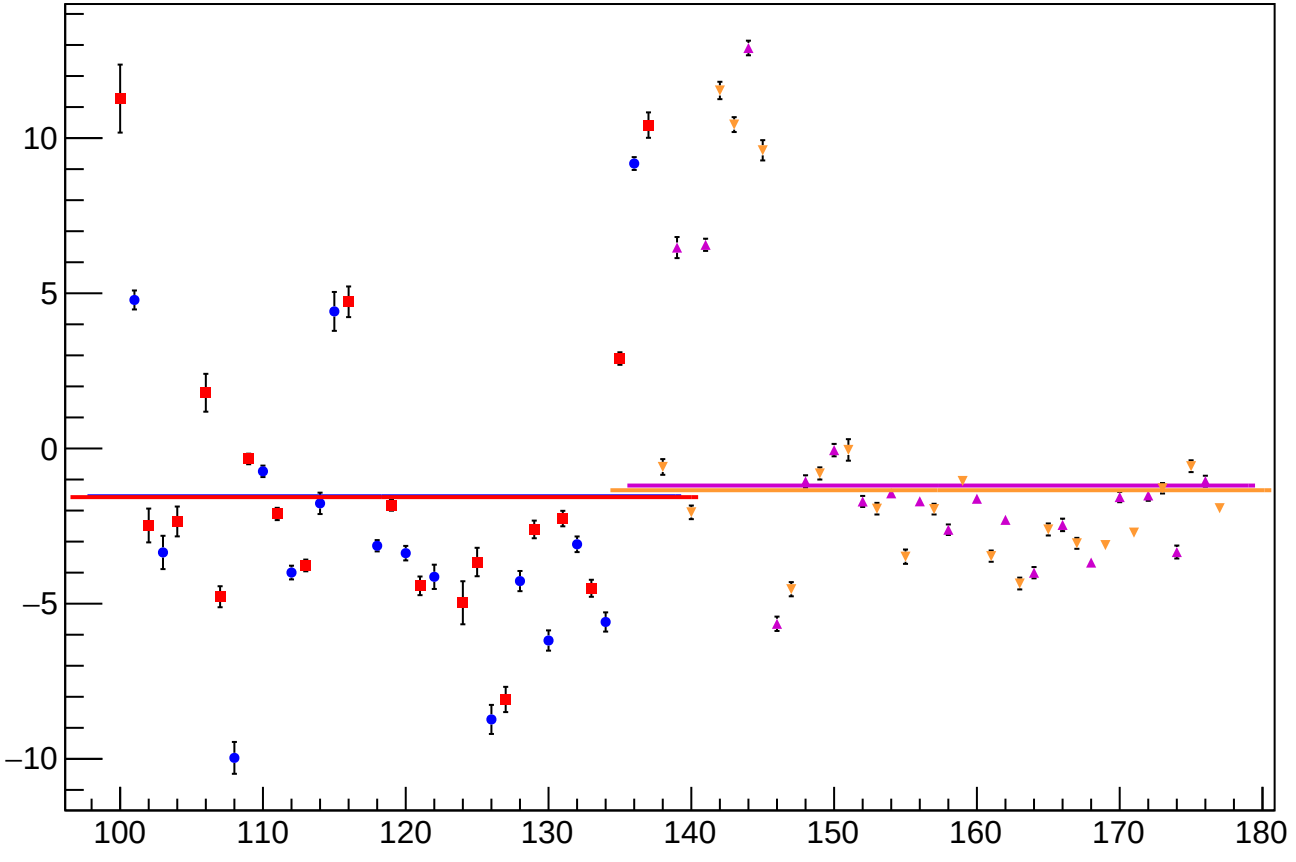
Left In: -2.832+/-0.047 χ^2/NDF:123098.7/18

+ sign -0.773+/-0.040 χ^2/NDF: 251977.4/36

All: -0.288+/-0.027 χ^2/NDF: 461043.3/74

- sign 0.124+/-0.037 χ^2/NDF: 208790.9/37

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.345+/-0.042 χ^2/NDF:6763.5/20

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

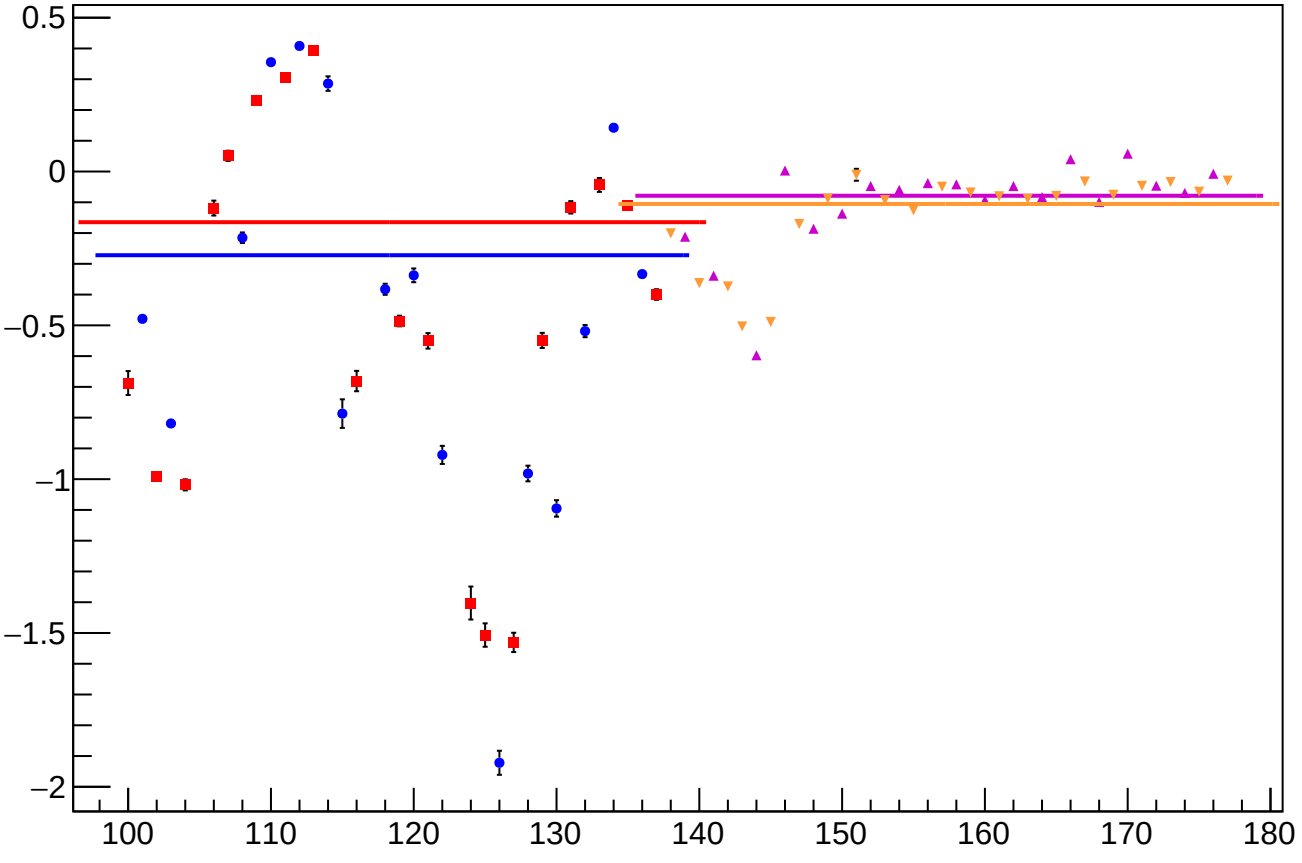
Left In: -1.194+/-0.040 χ^2/NDF:6843.1/18

+ sign -1.398+/-0.036 χ^2/NDF: 11305.2/36

All: -1.343+/-0.025 χ^2/NDF: 20673.8/74

- sign -1.296+/-0.034 χ^2/NDF: 9364.4/37

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.105+/-0.002 χ^2/NDF:3660.5/20

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

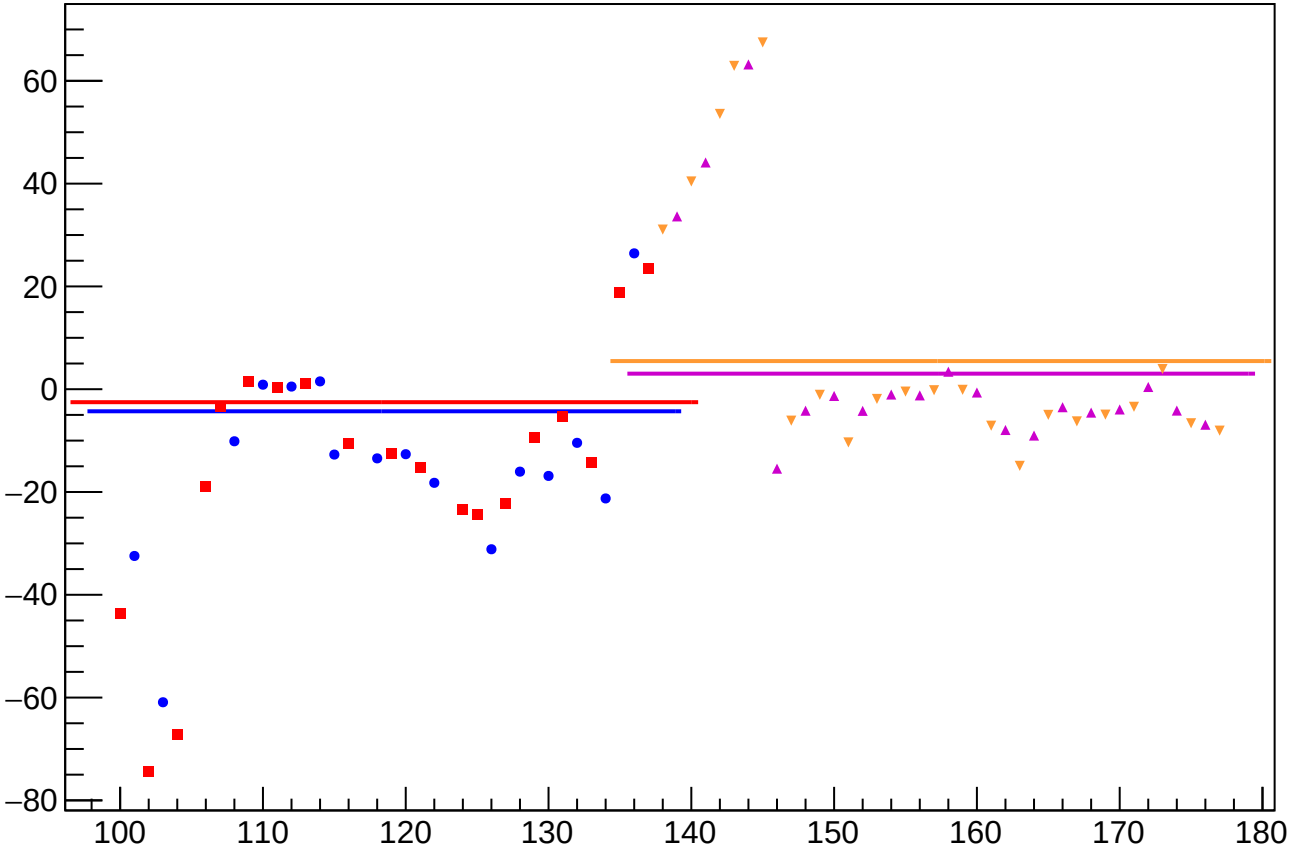
Left In: -0.079+/-0.002 χ^2/NDF:3782.8/18

+ sign -0.133+/-0.002 χ^2/NDF: 17062.8/36

All: -0.111+/-0.001 χ^2/NDF: 37080.0/74

- sign -0.093+/-0.002 χ^2/NDF: 19702.0/37

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 5.474+/-0.052 χ^2/NDF:164481.4/20

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

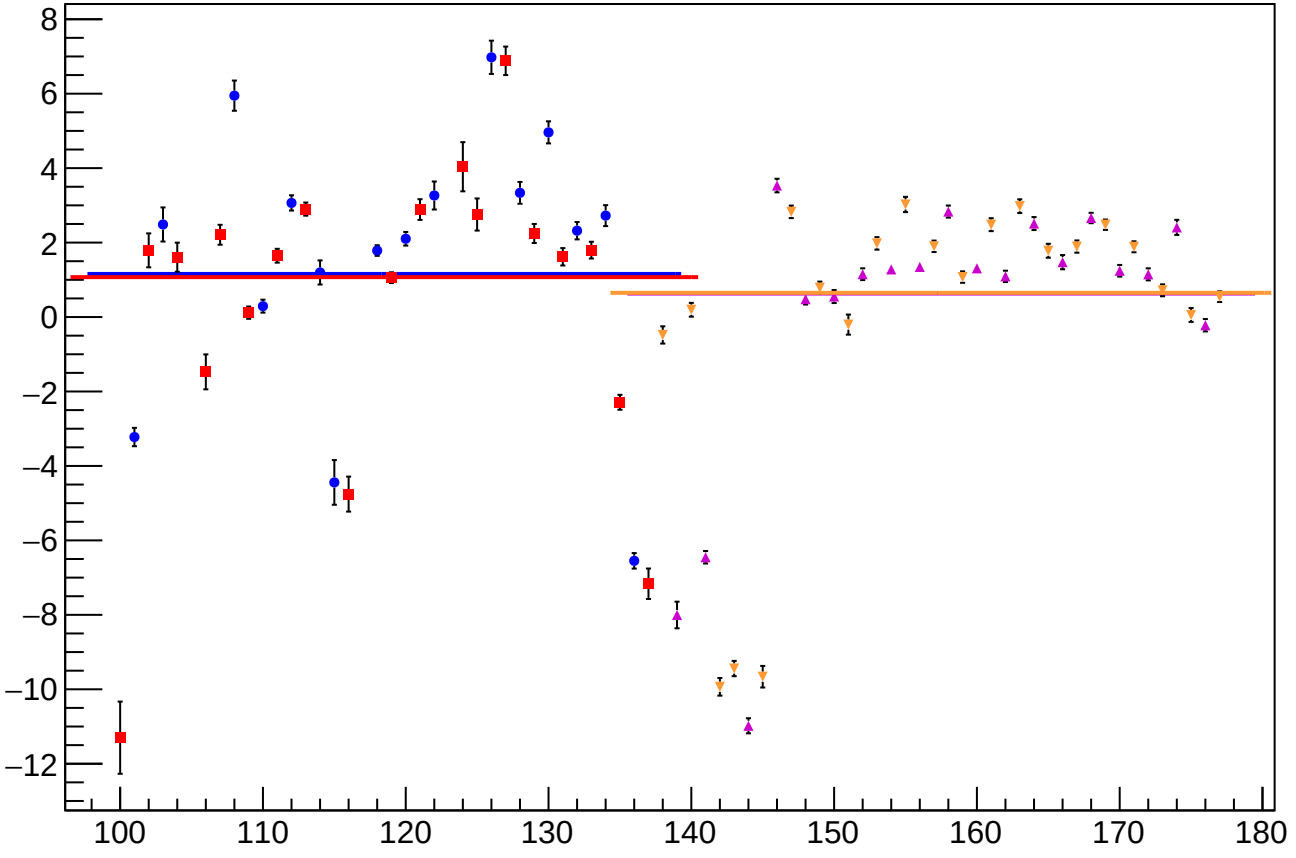
Left In: 3.026+/-0.049 χ^2/NDF:124070.5/18

+ sign 0.942+/-0.038 χ^2/NDF: 255173.4/36

All: 0.504+/-0.025 χ^2/NDF: 466028.9/74

- sign 0.152+/-0.034 χ^2/NDF: 210615.2/37

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.650+/-0.039 χ^2/NDF:6755.2/20

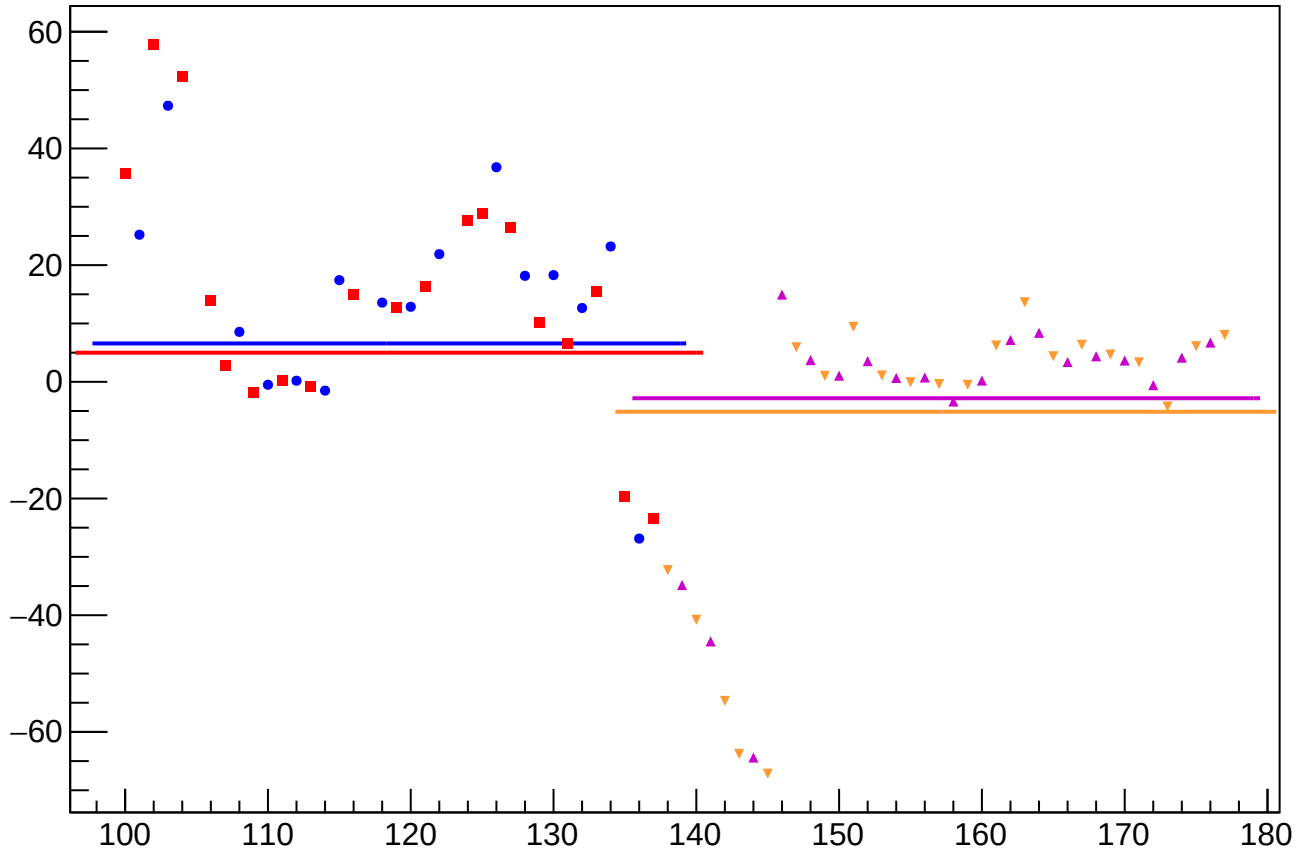
Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.631+/-0.036 χ^2/NDF:6668.4/18

+ sign 0.794+/-0.033 χ^2/NDF: 9354.0/36

All: 0.772+/-0.022 χ^2/NDF: 17616.0/74

- sign 0.752+/-0.031 χ^2/NDF: 8261.3/37



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -5.132+/-0.051 χ^2/NDF:159228.3/20

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

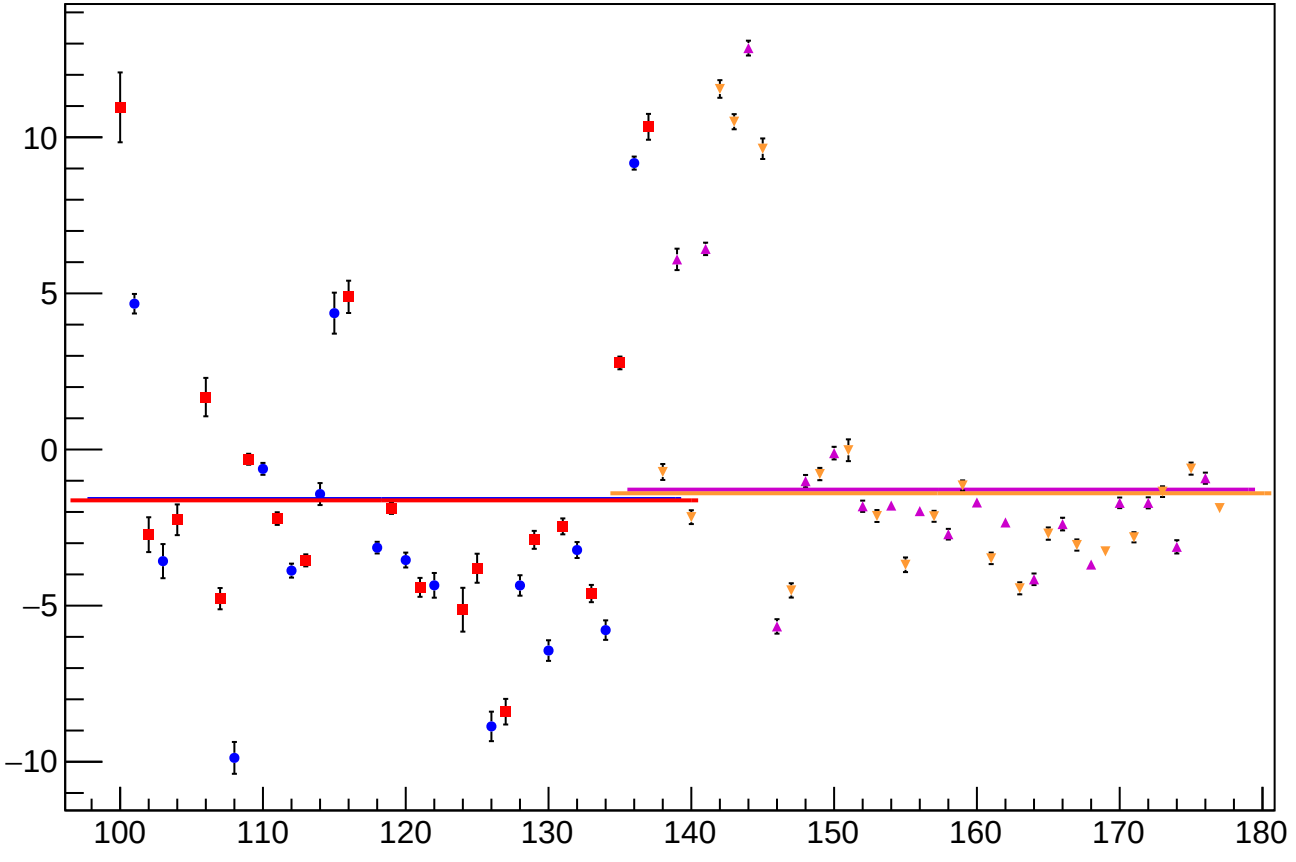
Left In: -2.814+/-0.048 χ^2/NDF:121169.3/18

+ sign -0.777+/-0.040 χ^2/NDF: 248497.3/36

All: -0.260+/-0.027 χ^2/NDF: 454714.6/74

- sign 0.183+/-0.037 χ^2/NDF: 205914.3/37

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.401+/-0.043 χ^2/NDF:6736.7/20

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

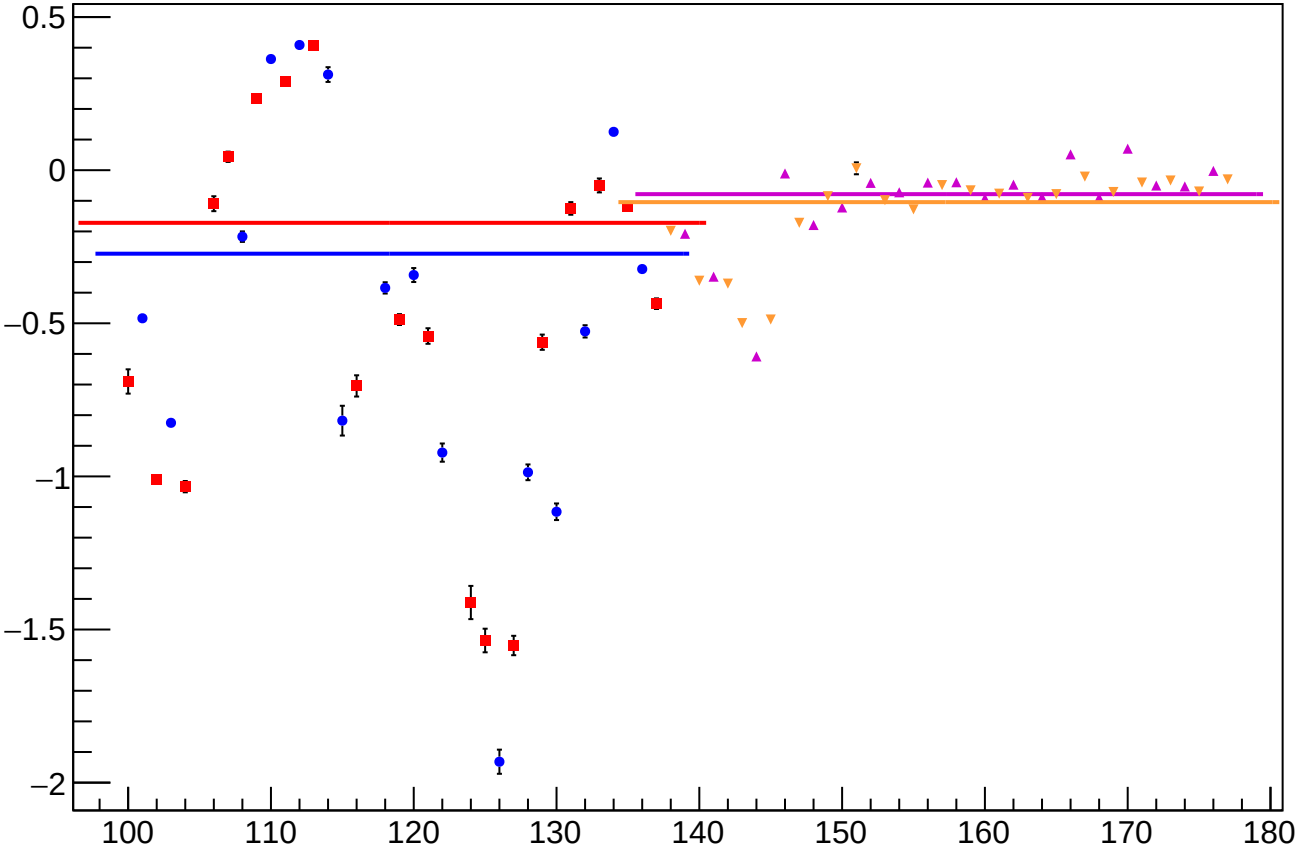
Left In: -1.285+/-0.040 χ^2/NDF:6646.8/18

+ sign -1.451+/-0.037 χ^2/NDF: 11214.2/36

All: -1.413+/-0.025 χ^2/NDF: 20305.0/74

- sign -1.379+/-0.034 χ^2/NDF: 9088.7/37

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.104+/-0.002 χ^2/NDF:3596.5/20

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

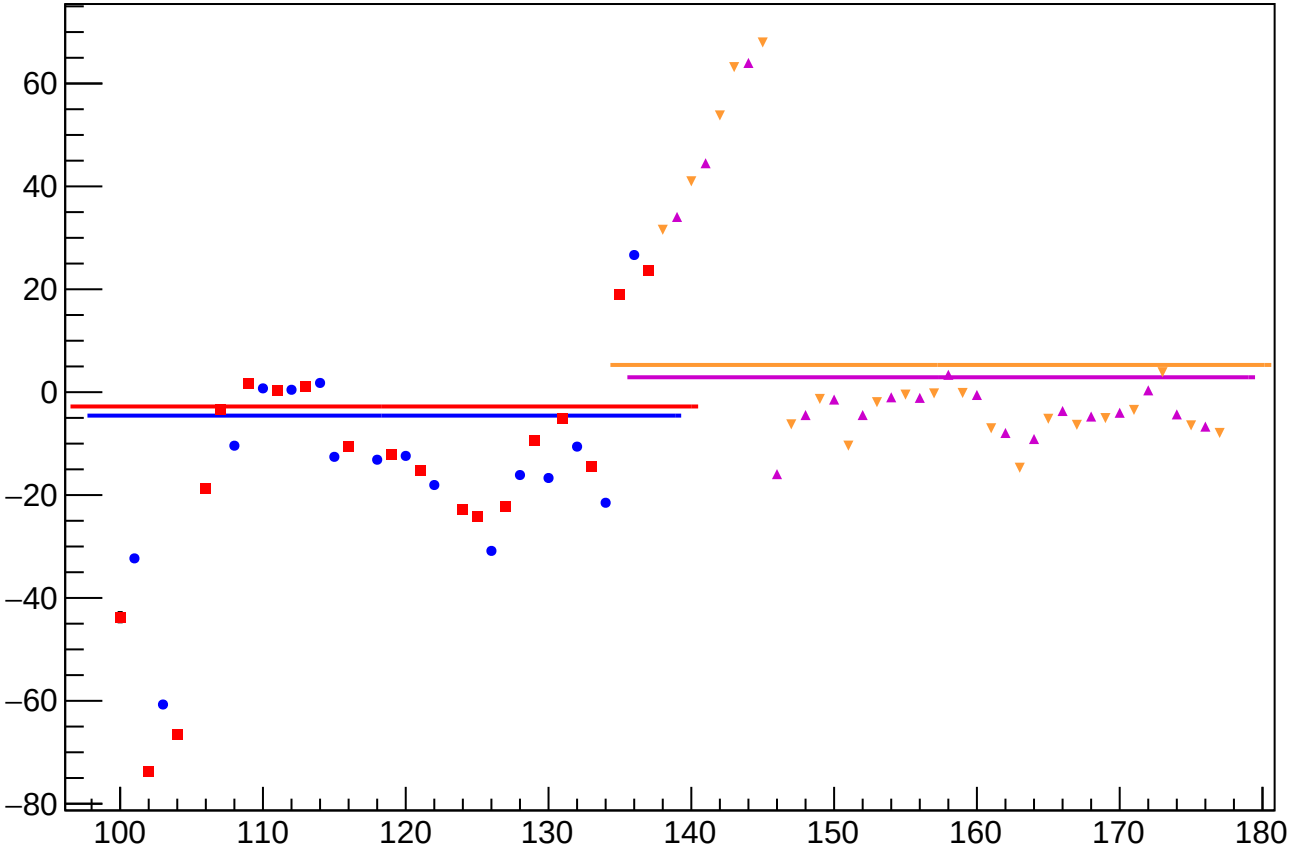
Left In: -0.078+/-0.002 χ^2/NDF:3857.2/18

+ sign -0.132+/-0.002 χ^2/NDF: 16778.3/36

All: -0.111+/-0.001 χ^2/NDF: 36728.3/74

- sign -0.094+/-0.002 χ^2/NDF: 19670.8/37

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 5.292+/-0.052 χ^2/NDF:162257.6/20

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

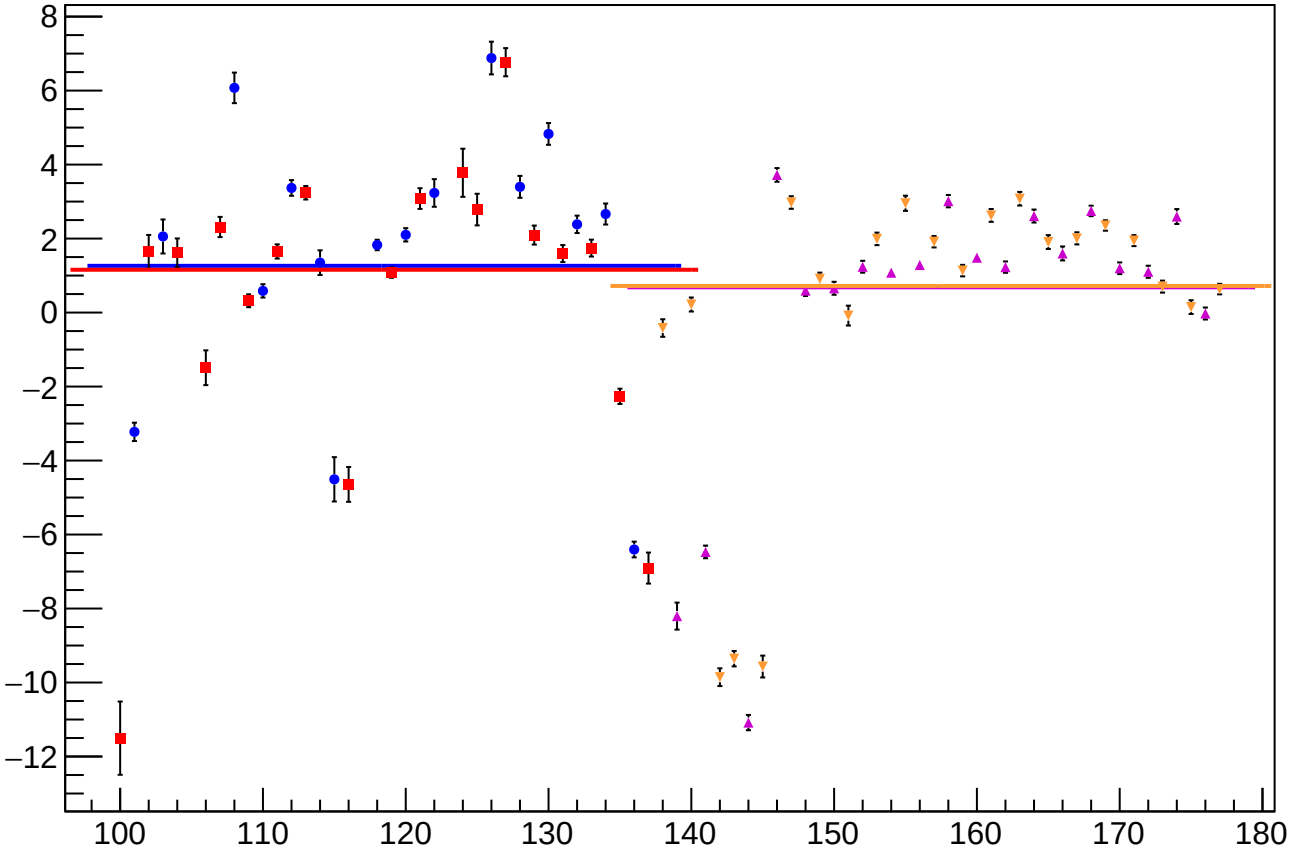
Left In: 2.898+/-0.049 χ^2/NDF:122809.1/18

+ sign 0.780+/-0.038 χ^2/NDF: 251185.6/36

All: 0.353+/-0.026 χ^2/NDF: 458847.0/74

- sign 0.006+/-0.035 χ^2/NDF: 207437.9/37

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.719+/-0.039 χ^2/NDF:6540.9/20

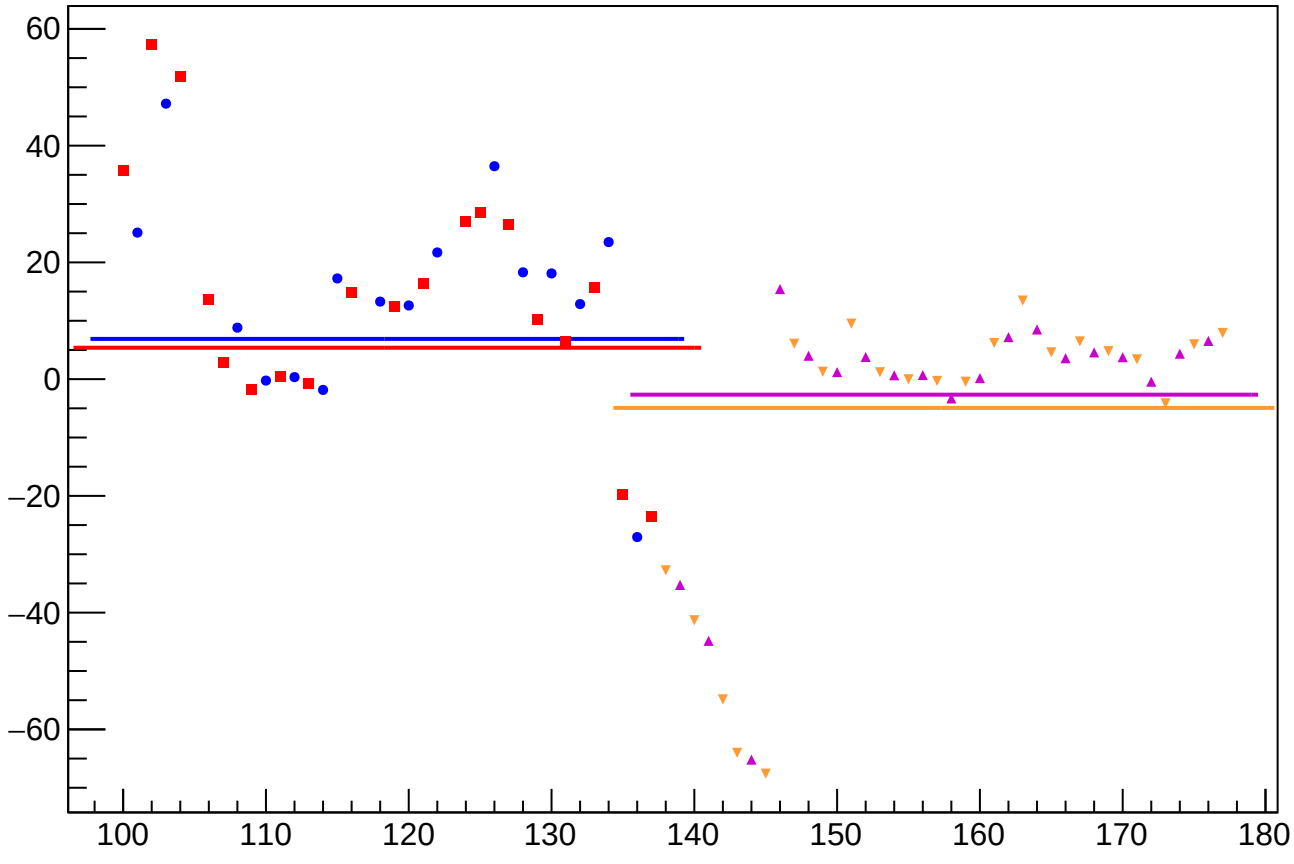
Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.682+/-0.036 χ^2/NDF:6627.5/18

+ sign 0.873+/-0.033 χ^2/NDF: 9039.9/36

All: 0.841+/-0.023 χ^2/NDF: 17206.5/74

- sign 0.813+/-0.031 χ^2/NDF: 8164.9/37



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -4.921+/-0.051 χ^2/NDF:156949.4/20

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

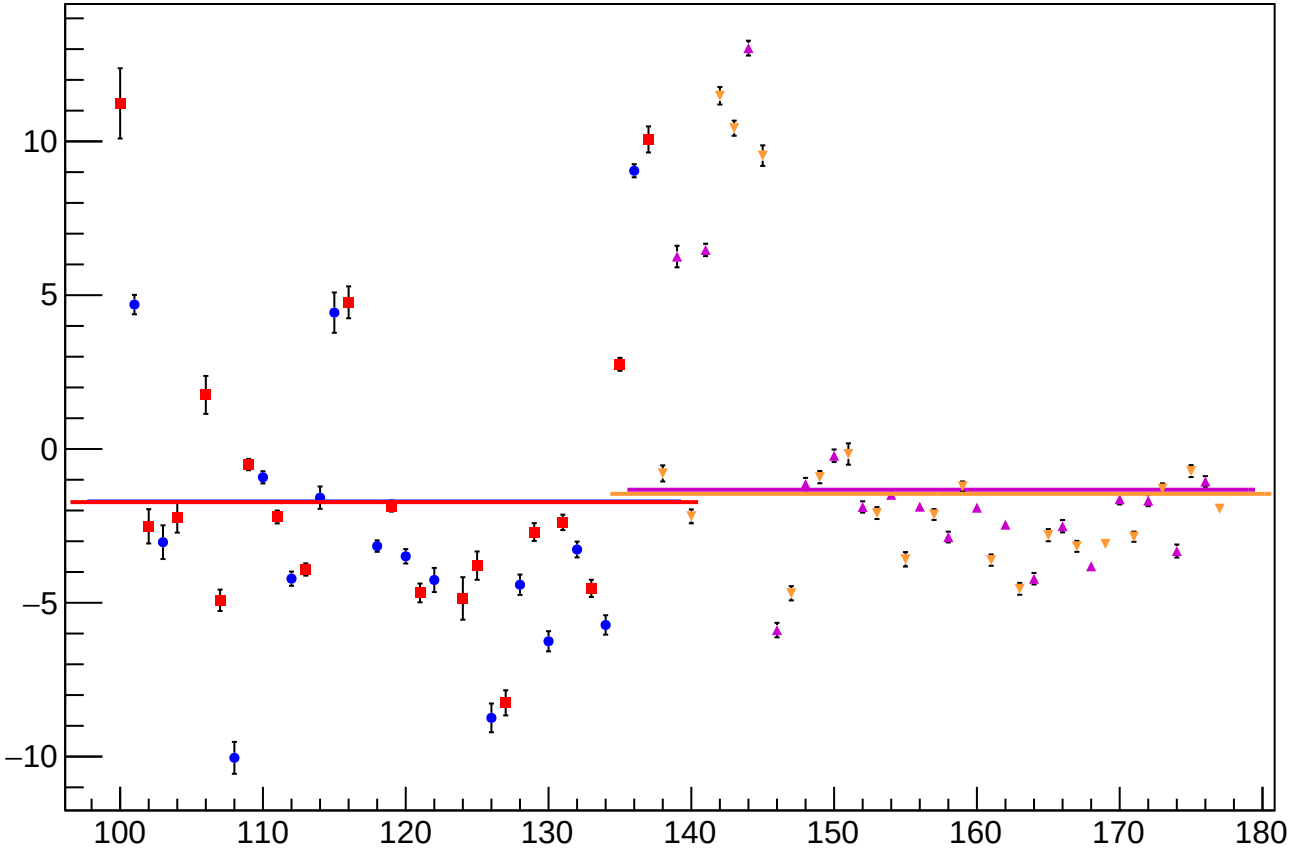
Left In: -2.660+/-0.048 χ^2/NDF:119881.9/18

+ sign -0.567+/-0.041 χ^2/NDF: 244426.0/36

All: -0.055+/-0.028 χ^2/NDF: 447384.2/74

- sign 0.387+/-0.038 χ^2/NDF: 202666.5/37

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.458+/-0.043 χ^2/NDF:6535.1/20

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

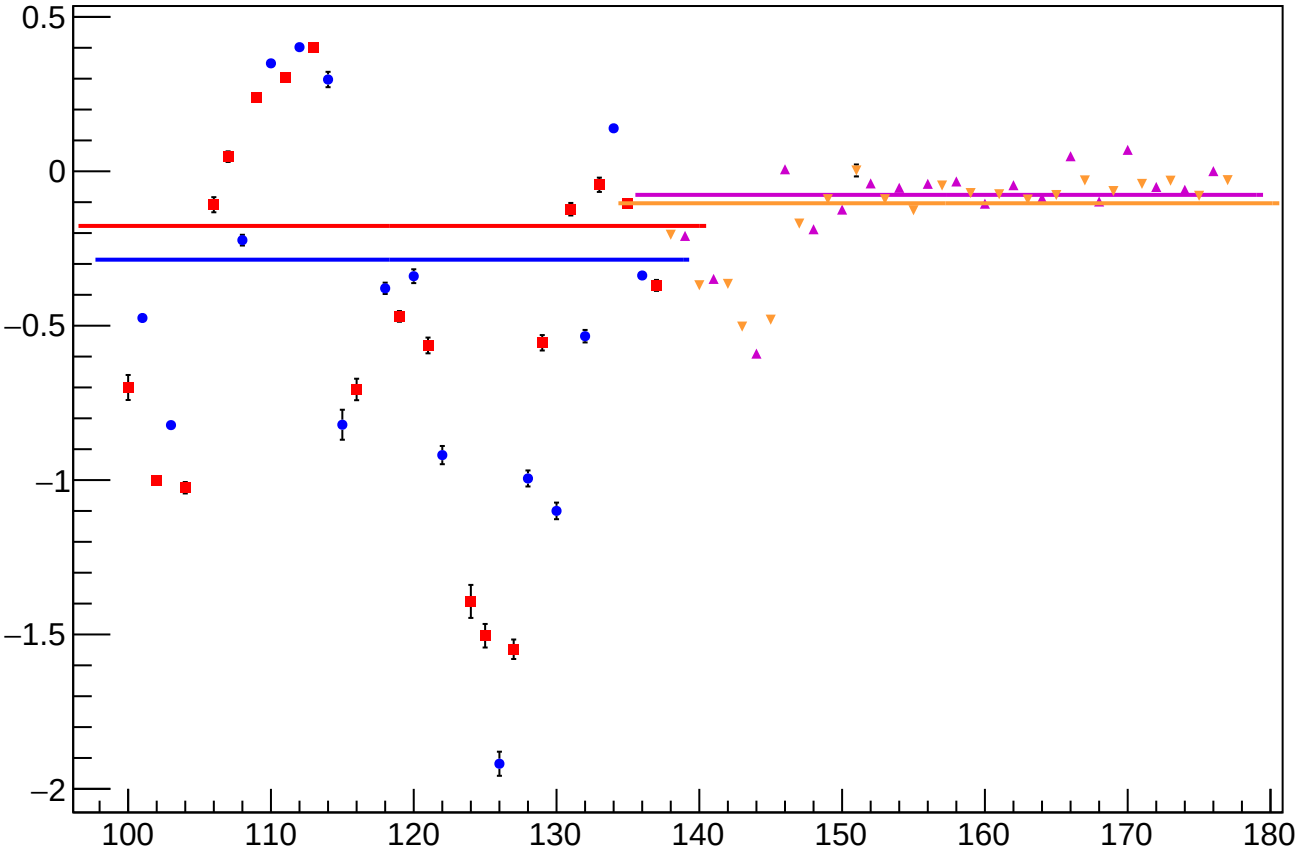
Left In: -1.324+/-0.041 χ^2/NDF:6644.8/18

+ sign -1.526+/-0.037 χ^2/NDF: 10833.7/36

All: -1.477+/-0.025 χ^2/NDF: 19817.9/74

- sign -1.434+/-0.035 χ^2/NDF: 8980.9/37

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.104+/-0.002 χ^2/NDF:3528.5/20

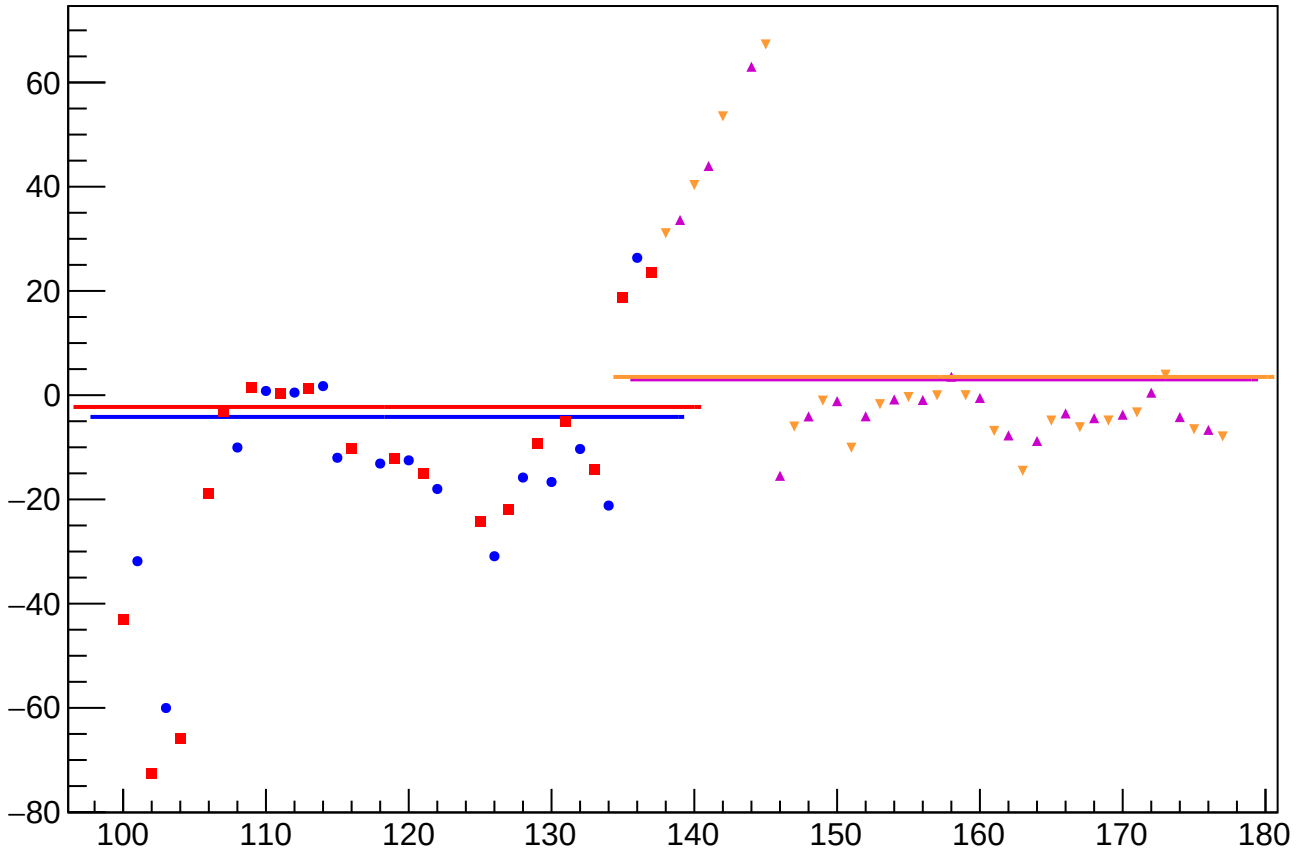
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.076+/-0.002 χ^2/NDF:3729.4/18

+ sign -0.134+/-0.002 χ^2/NDF: 16411.4/36

All: -0.111+/-0.001 χ^2/NDF: 35760.6/74

- sign -0.092+/-0.002 χ^2/NDF: 19041.7/37



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 3.502+/-0.052 χ^2/NDF:124906.6/19

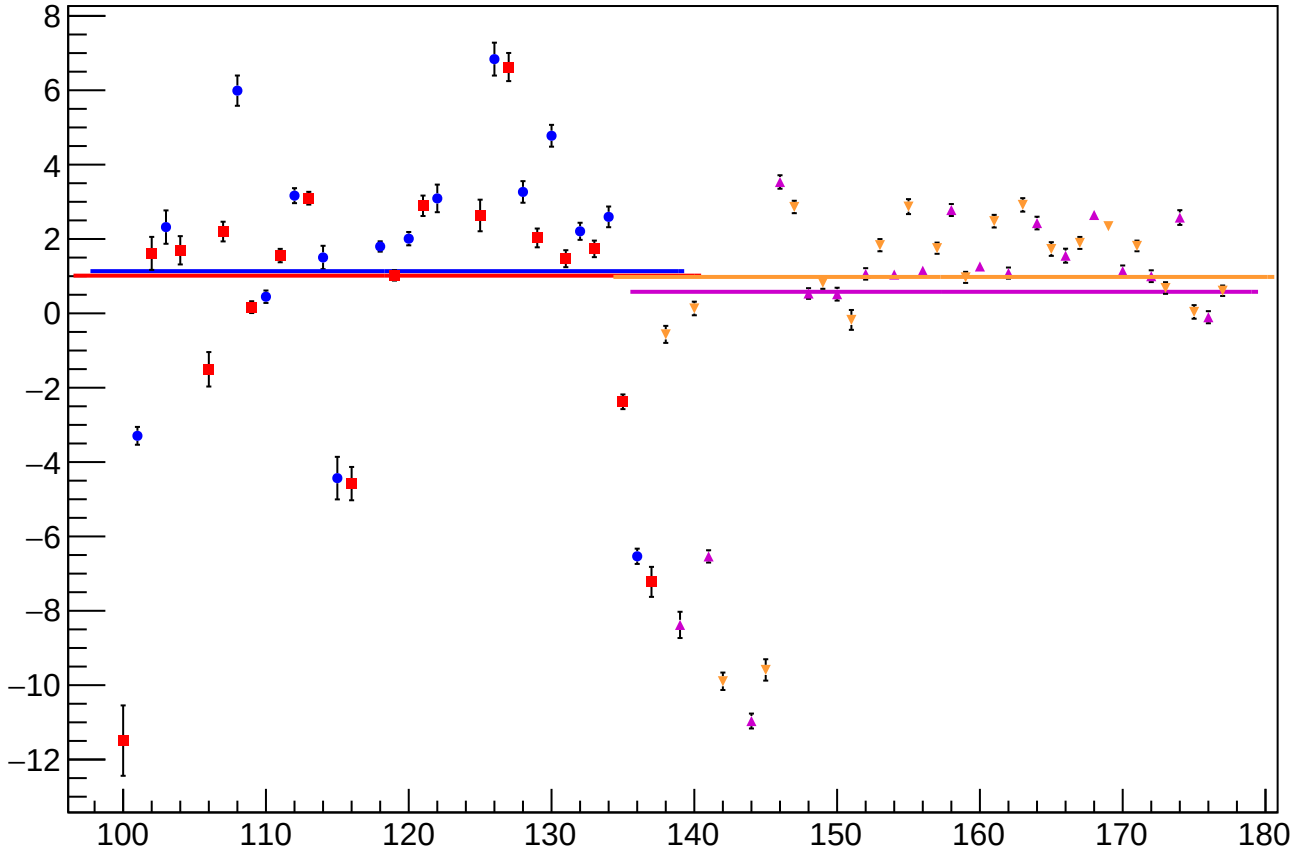
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 3.030+/-0.048 χ^2/NDF:126270.9/18

+ sign -0.135+/-0.037 χ^2/NDF: 210753.2/35

All: 0.101+/-0.025 χ^2/NDF: 423077.7/72

- sign 0.286+/-0.033 χ^2/NDF: 212253.5/36



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.980+/-0.038 χ^2/NDF:4274.8/19

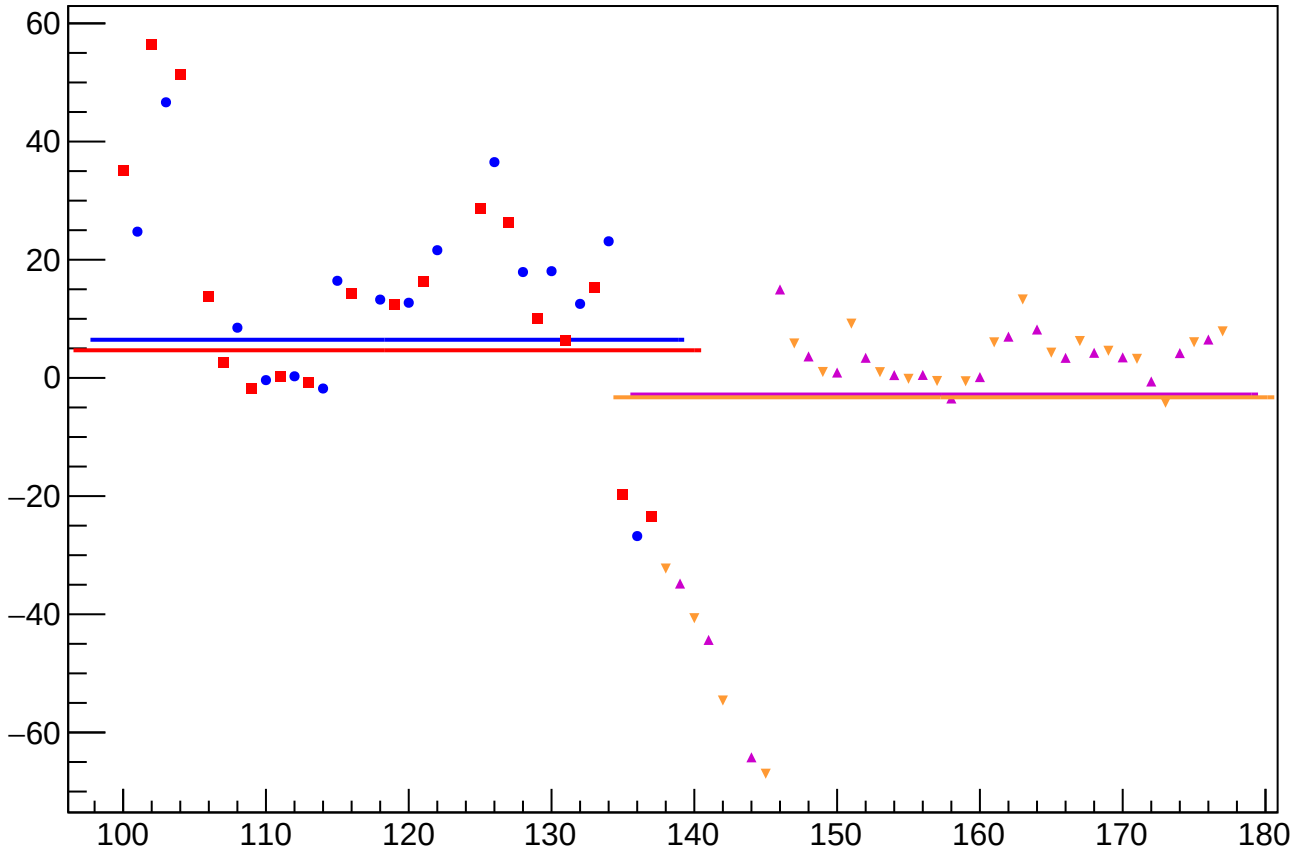
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.579+/-0.035 χ^2/NDF:6862.4/18

+ sign 1.025+/-0.032 χ^2/NDF: 6875.2/35

All: 0.848+/-0.022 χ^2/NDF: 15427.3/72

- sign 0.698+/-0.030 χ^2/NDF: 8497.4/36



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -3.281+/-0.051 χ^2/NDF:120287.0/19

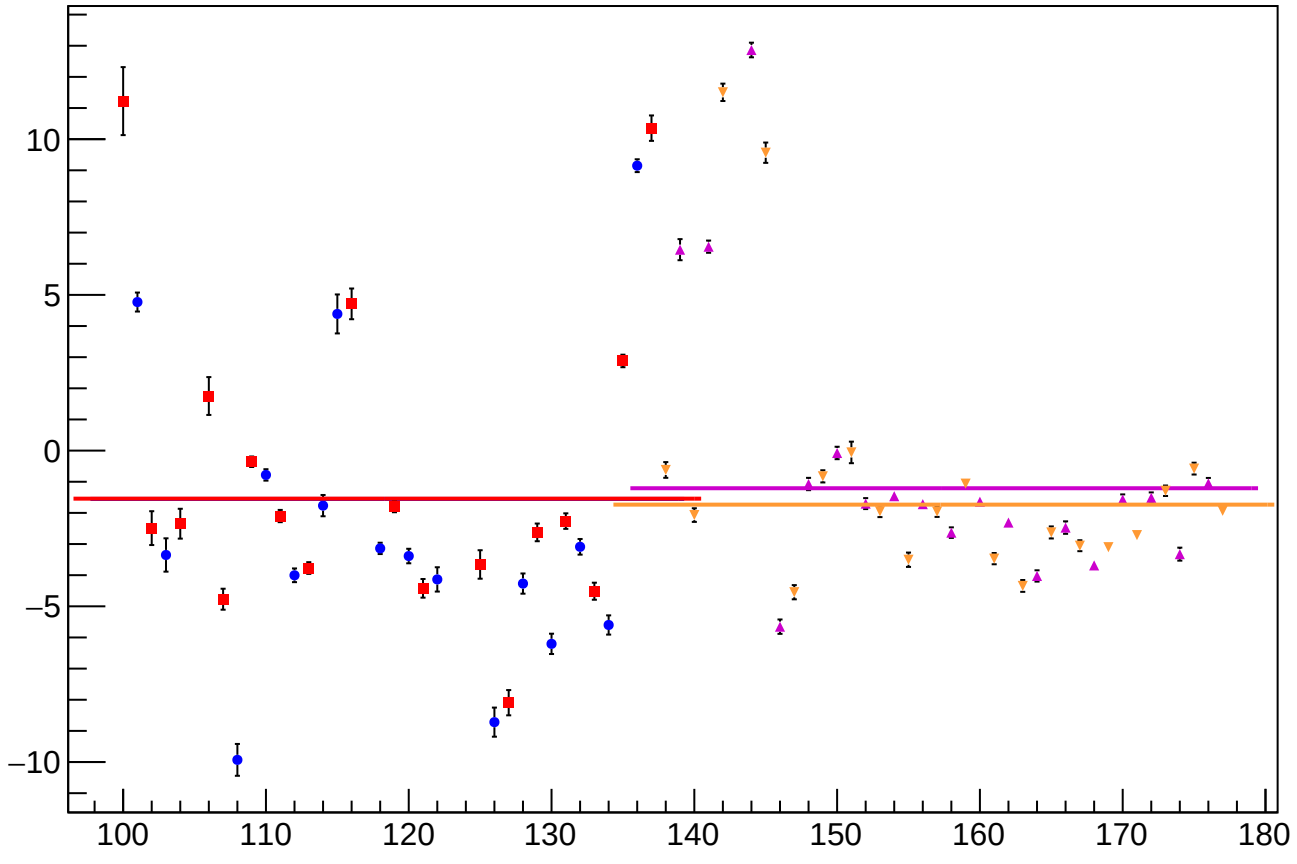
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -2.812+/-0.047 χ^2/NDF:123325.7/18

+ sign 0.419+/-0.040 χ^2/NDF: 205015.5/35

All: 0.221+/-0.027 χ^2/NDF: 412712.8/72

- sign 0.056+/-0.037 χ^2/NDF: 207652.3/36



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.735+/-0.043 χ^2/NDF:4273.0/19

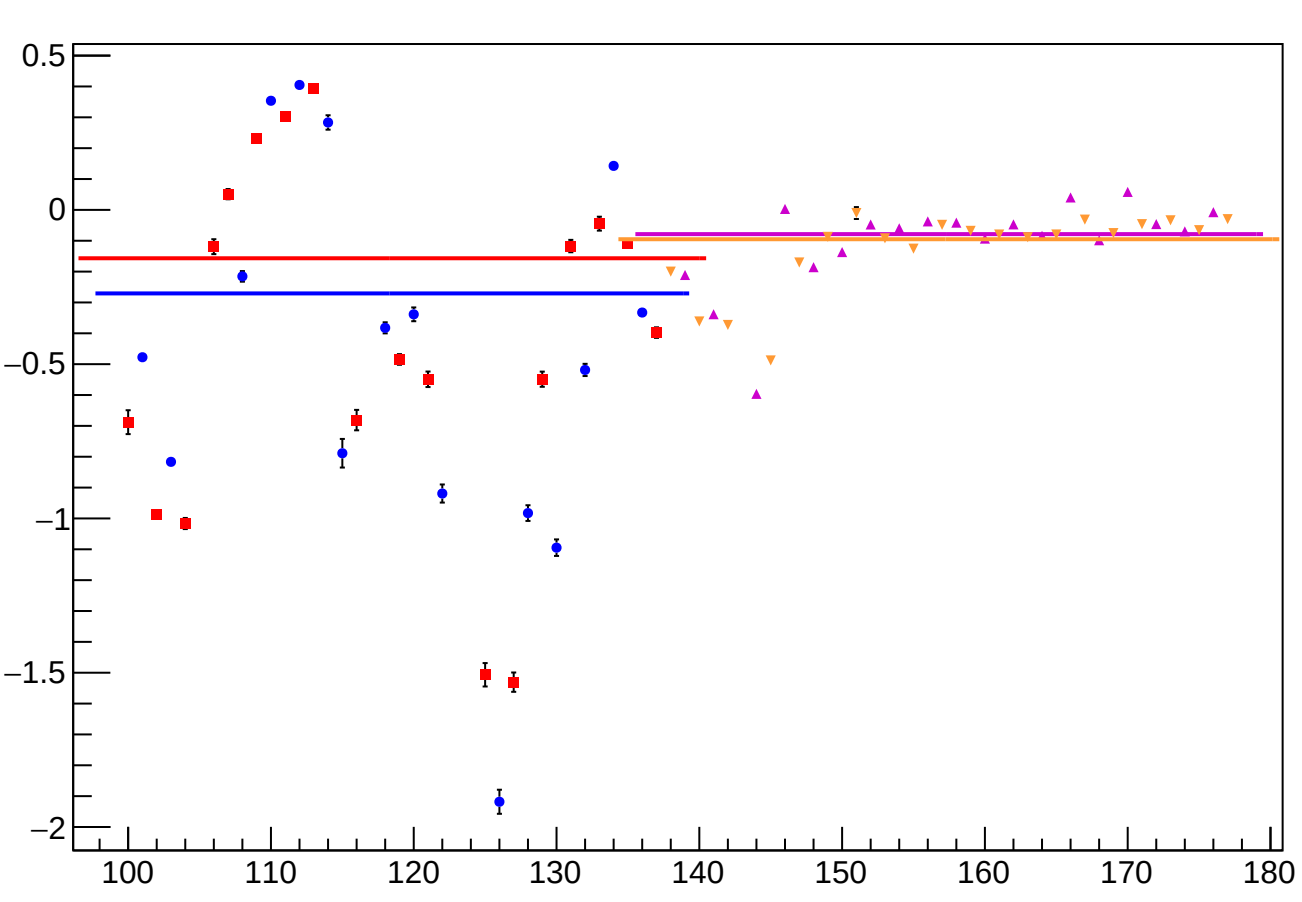
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.208+/-0.039 χ^2/NDF:6860.7/18

\+ sign -1.684+/-0.037 χ^2/NDF: 8821.6/35

All: -1.476+/-0.025 χ^2/NDF: 18234.9/72

\- sign -1.299+/-0.034 χ^2/NDF: 9353.3/36



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.095+/-0.002 χ^2/NDF:2511.1/19

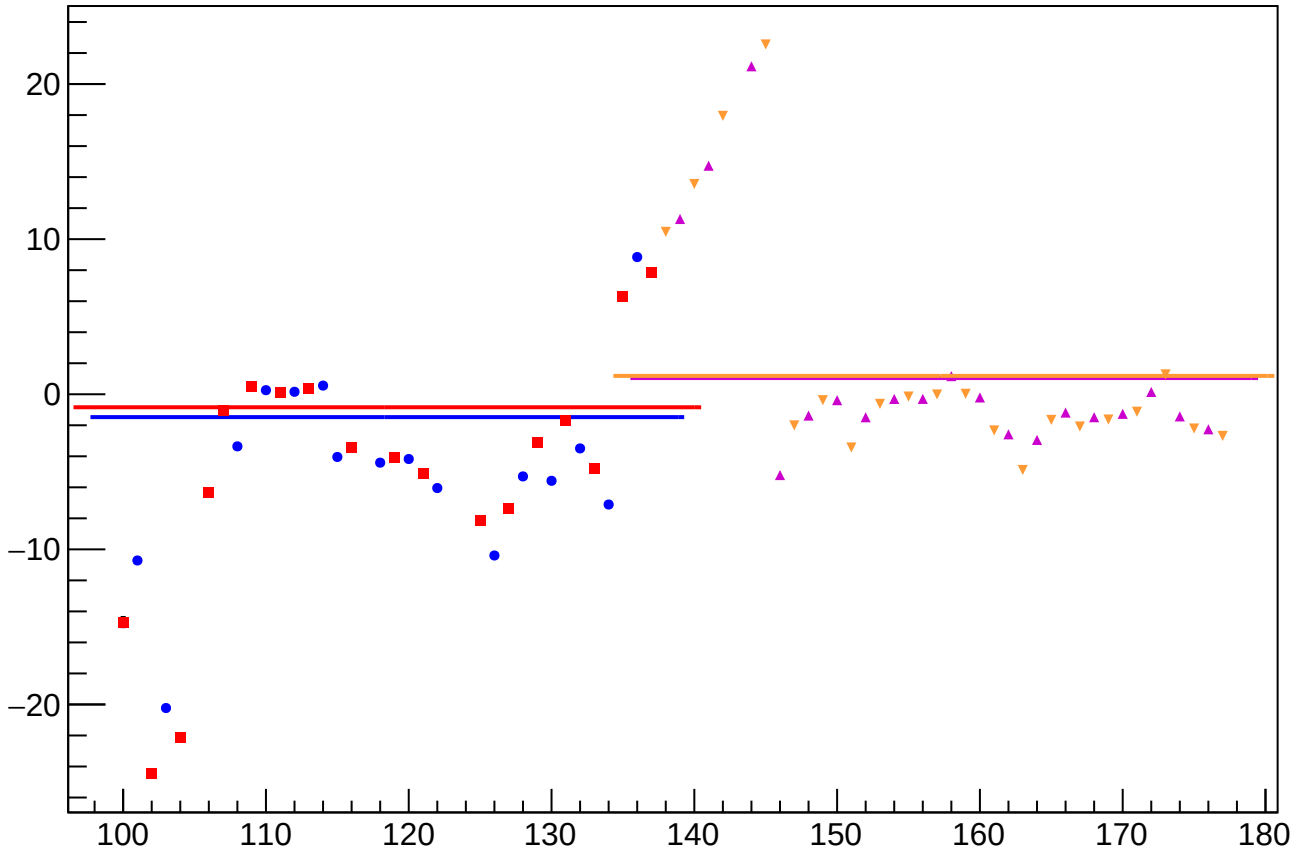
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.079+/-0.002 χ^2/NDF:3792.1/18

+ sign -0.125+/-0.002 χ^2/NDF: 16100.1/35

All: -0.106+/-0.001 χ^2/NDF: 35486.0/72

- sign -0.091+/-0.002 χ^2/NDF: 19168.2/36



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 1.186+/-0.018 χ^2/NDF:122778.9/19

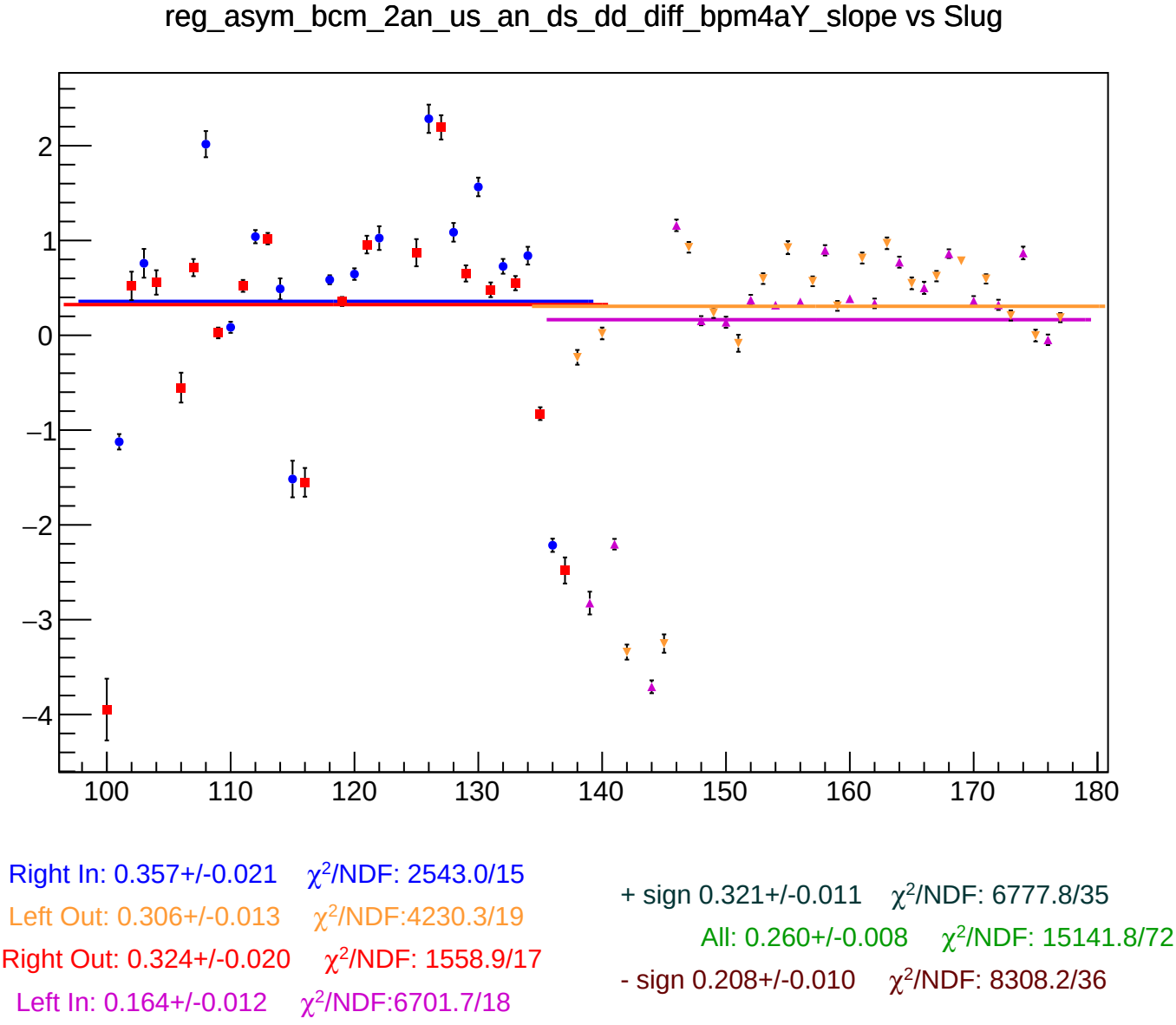
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

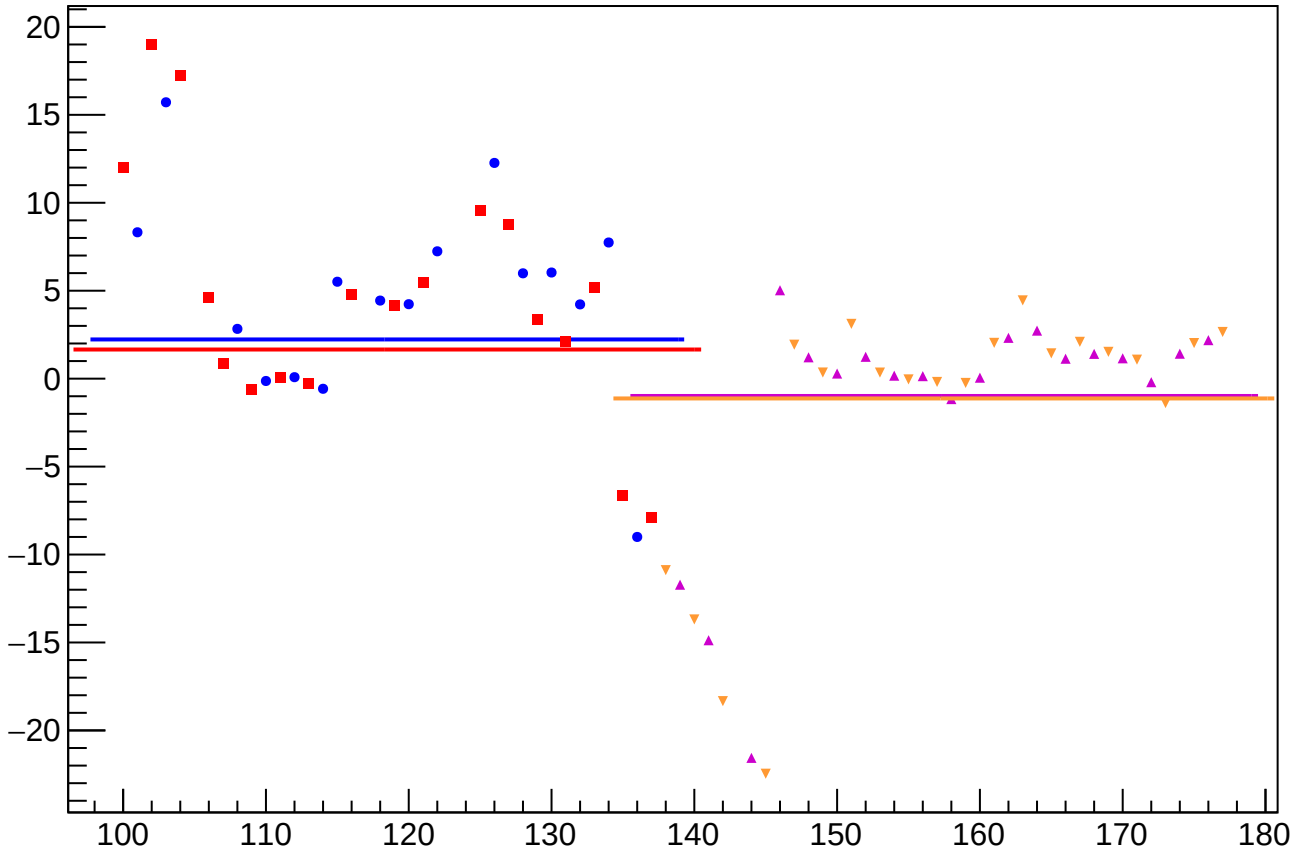
Left In: 1.045+/-0.016 χ^2/NDF:123694.5/18

+ sign -0.063+/-0.013 χ^2/NDF: 207190.0/35

All: 0.018+/-0.009 χ^2/NDF: 415716.8/72

- sign 0.082+/-0.011 χ^2/NDF: 208455.8/36


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: 0.306+/-0.013 χ²/NDF:4230.3/19
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: 0.164+/-0.012 χ²/NDF:6701.7/18
+ sign 0.321+/-0.011 χ²/NDF: 6777.8/35
All: 0.260+/-0.008 χ²/NDF: 15141.8/72
- sign 0.208+/-0.010 χ²/NDF: 8308.2/36



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.125+/-0.017 χ^2/NDF:118238.2/19

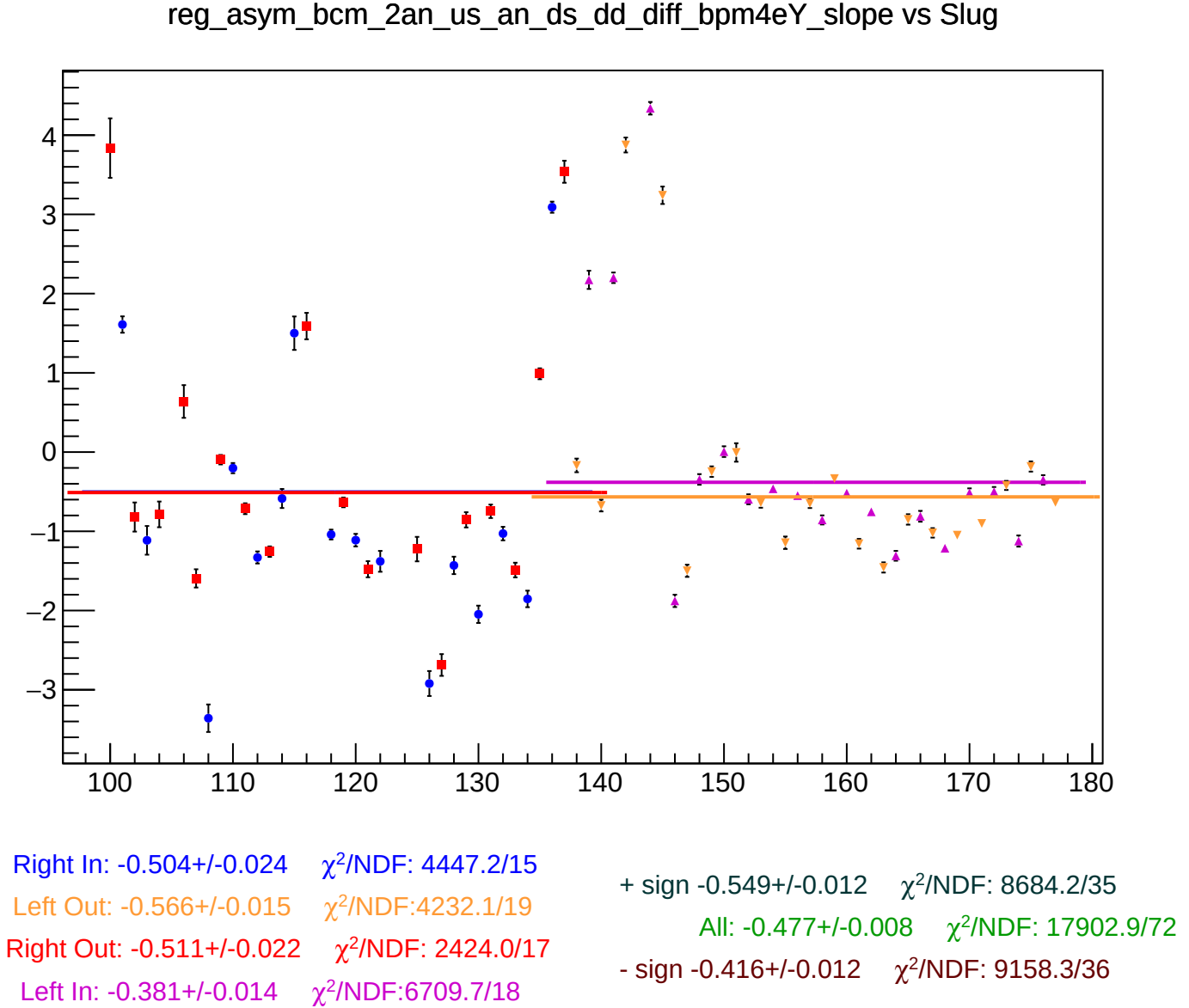
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

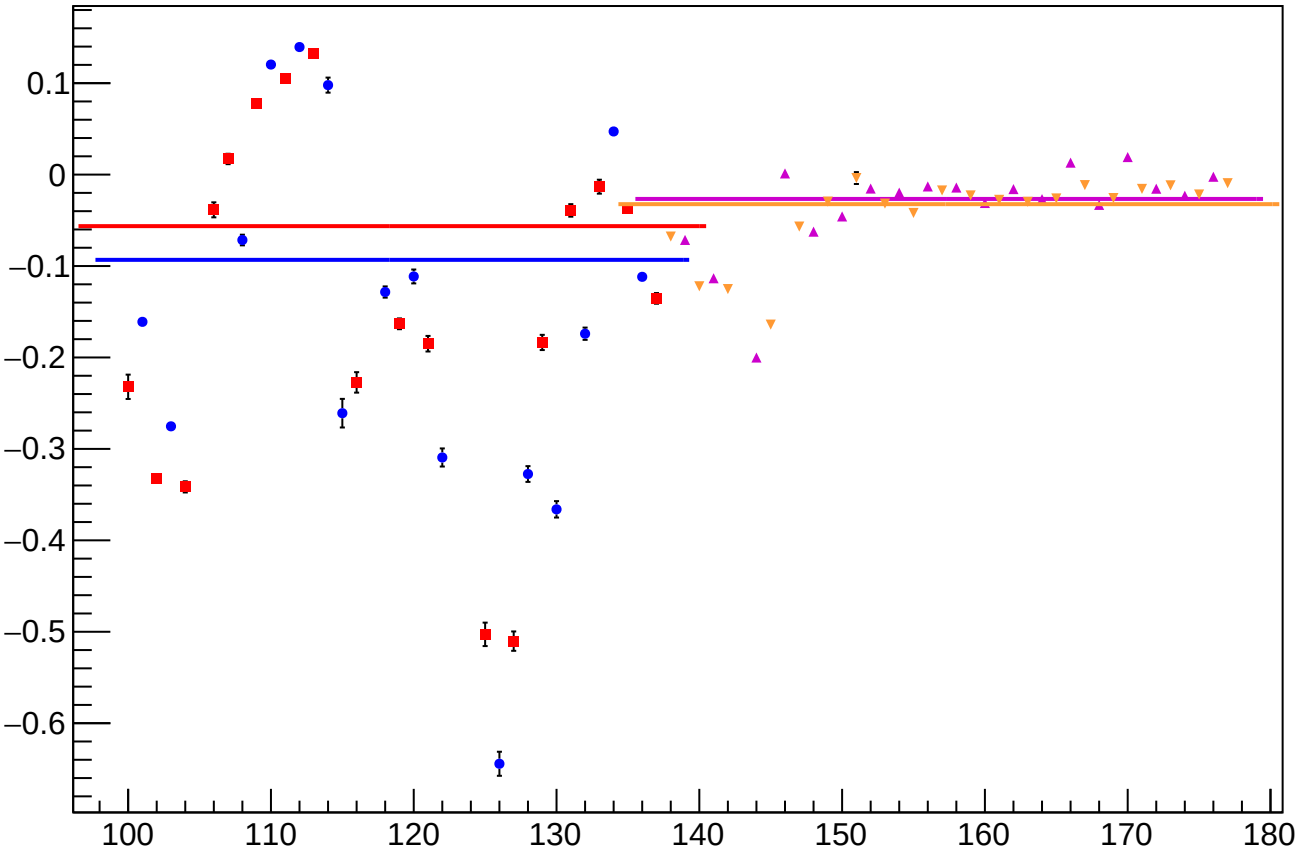
Left In: -0.985+/-0.016 χ^2/NDF:120858.6/18

+ sign 0.142+/-0.014 χ^2/NDF: 201557.9/35

All: 0.074+/-0.009 χ^2/NDF: 405621.5/72

- sign 0.017+/-0.013 χ^2/NDF: 204018.2/36


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: -0.566+/-0.015 χ²/NDF:4232.1/19
Right Out: -0.511+/-0.022 χ²/NDF: 2424.0/17
Left In: -0.381+/-0.014 χ²/NDF:6709.7/18
+ sign -0.549+/-0.012 χ²/NDF: 8684.2/35
All: -0.477+/-0.008 χ²/NDF: 17902.9/72
- sign -0.416+/-0.012 χ²/NDF: 9158.3/36



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.032+/-0.001 χ^2/NDF:2472.7/19

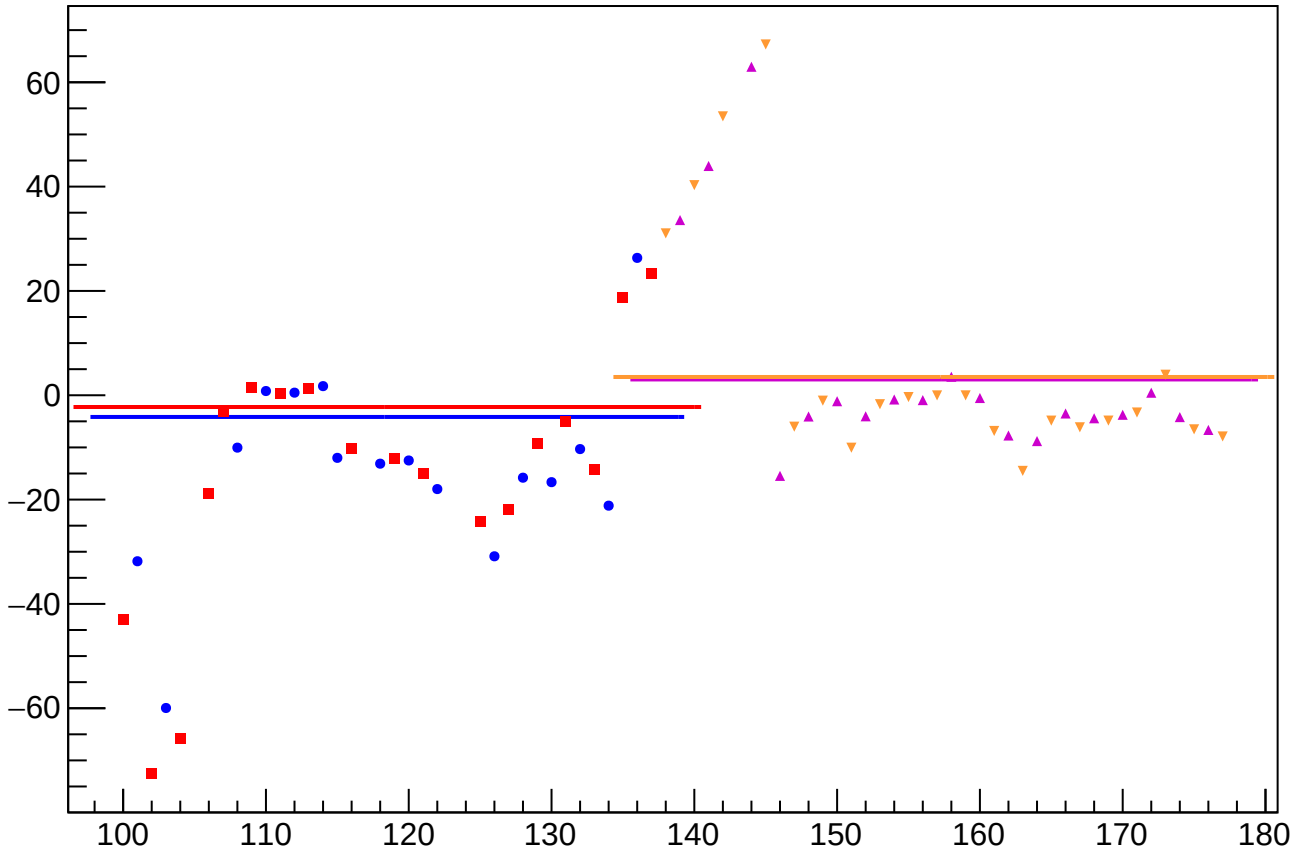
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.027+/-0.001 χ^2/NDF:3707.1/18

+ sign -0.043+/-0.001 χ^2/NDF: 15755.2/35

All: -0.036+/-0.000 χ^2/NDF: 34561.6/72

- sign -0.031+/-0.001 χ^2/NDF: 18599.9/36



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 3.503+/-0.052 χ^2/NDF:124891.7/19

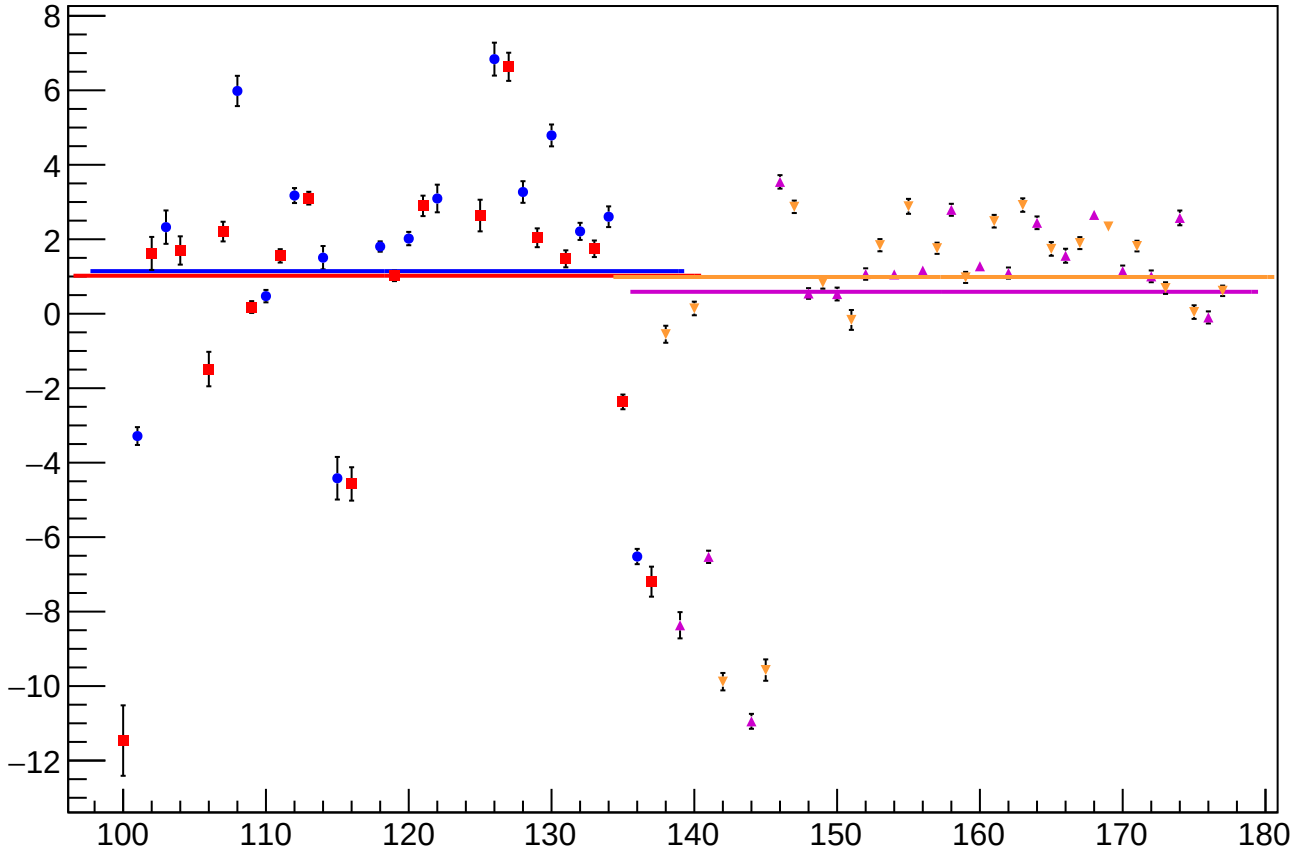
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 3.030+/-0.048 χ^2/NDF:126284.9/18

+ sign -0.130+/-0.037 χ^2/NDF: 210751.6/35

All: 0.105+/-0.025 χ^2/NDF: 423094.7/72

- sign 0.289+/-0.033 χ^2/NDF: 212272.8/36



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.987+/-0.038 χ^2/NDF:4272.2/19

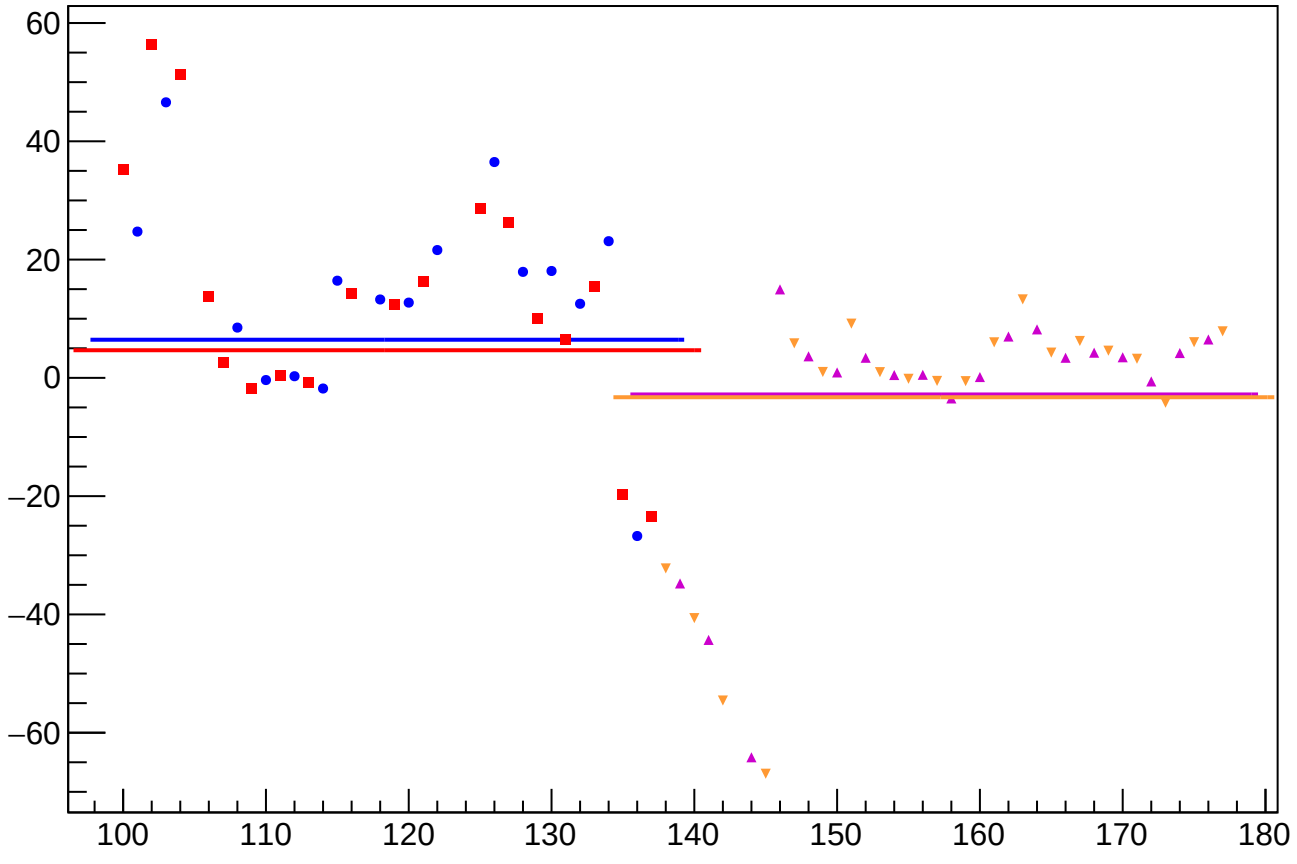
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.589+/-0.035 χ^2/NDF:6866.8/18

+ sign 1.033+/-0.032 χ^2/NDF: 6872.4/35

All: 0.856+/-0.022 χ^2/NDF: 15426.5/72

- sign 0.707+/-0.030 χ^2/NDF: 8499.5/36



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -3.277+/-0.051 χ^2/NDF:120272.1/19

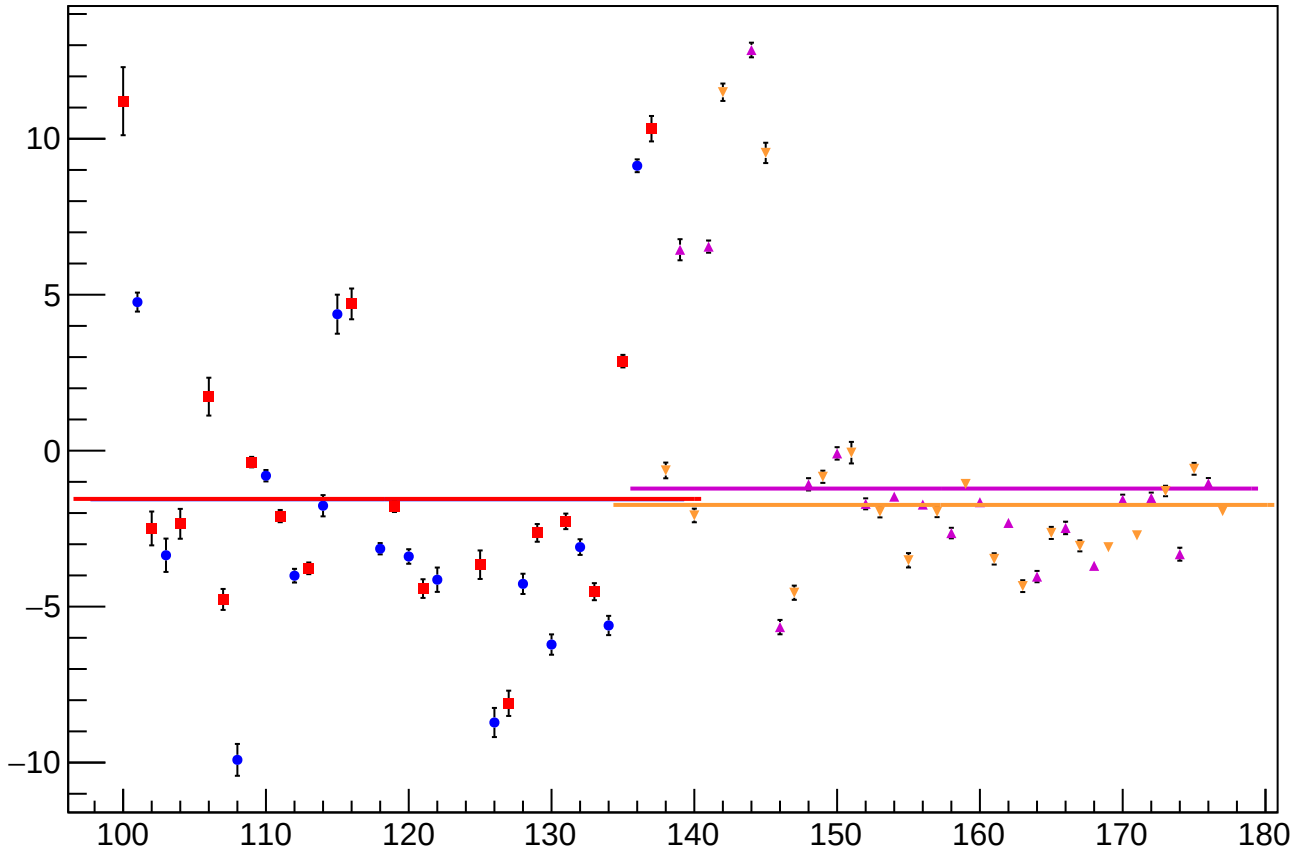
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -2.807+/-0.047 χ^2/NDF:123336.3/18

+ sign 0.420+/-0.040 χ^2/NDF: 205010.2/35

All: 0.223+/-0.027 χ^2/NDF: 412715.7/72

- sign 0.058+/-0.037 χ^2/NDF: 207661.1/36



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.739+/-0.043 χ^2/NDF:4269.9/19

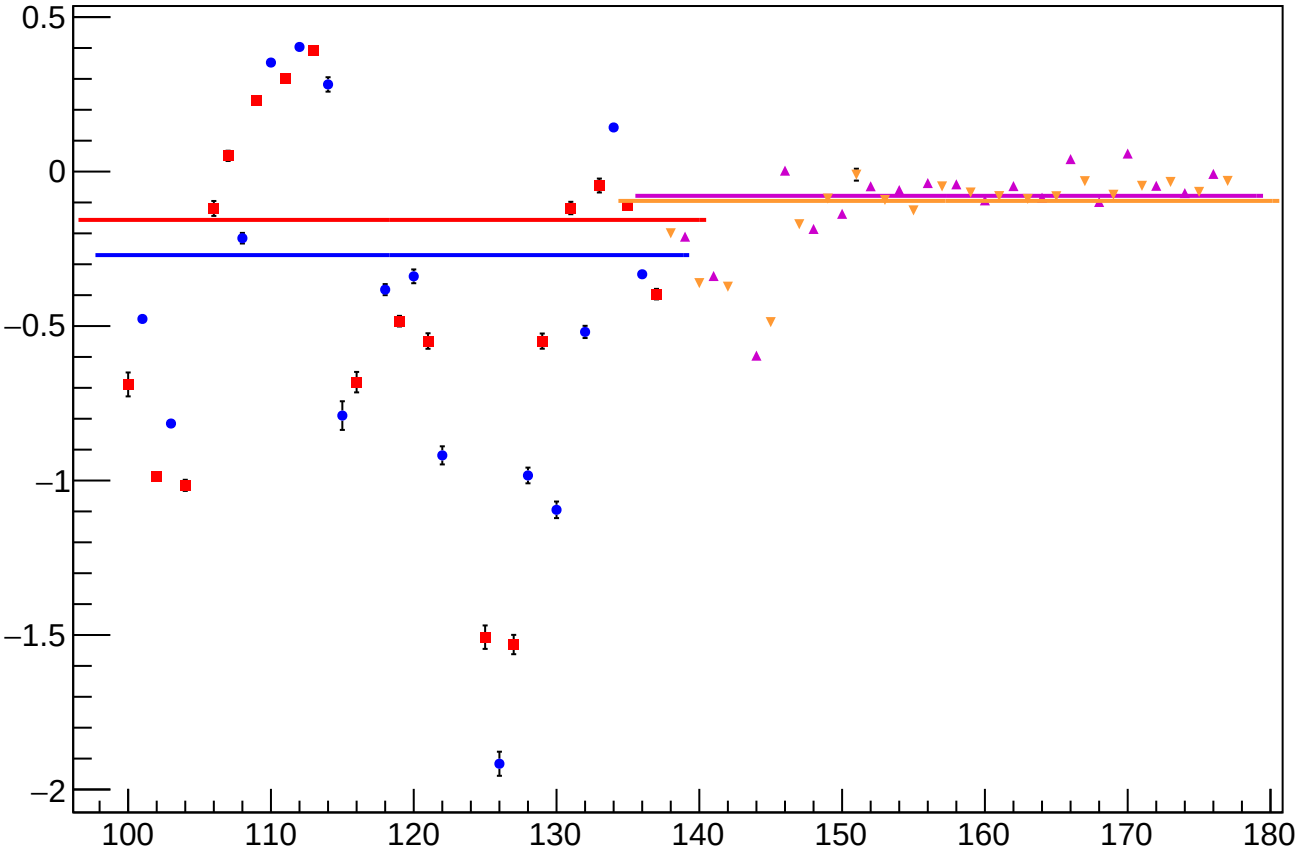
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.215+/-0.039 χ^2/NDF:6864.1/18

+ sign -1.689+/-0.037 χ^2/NDF: 8817.9/35

All: -1.481+/-0.025 χ^2/NDF: 18231.1/72

- sign -1.305+/-0.034 χ^2/NDF: 9353.4/36



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.095+/-0.002 χ^2/NDF:2510.7/19

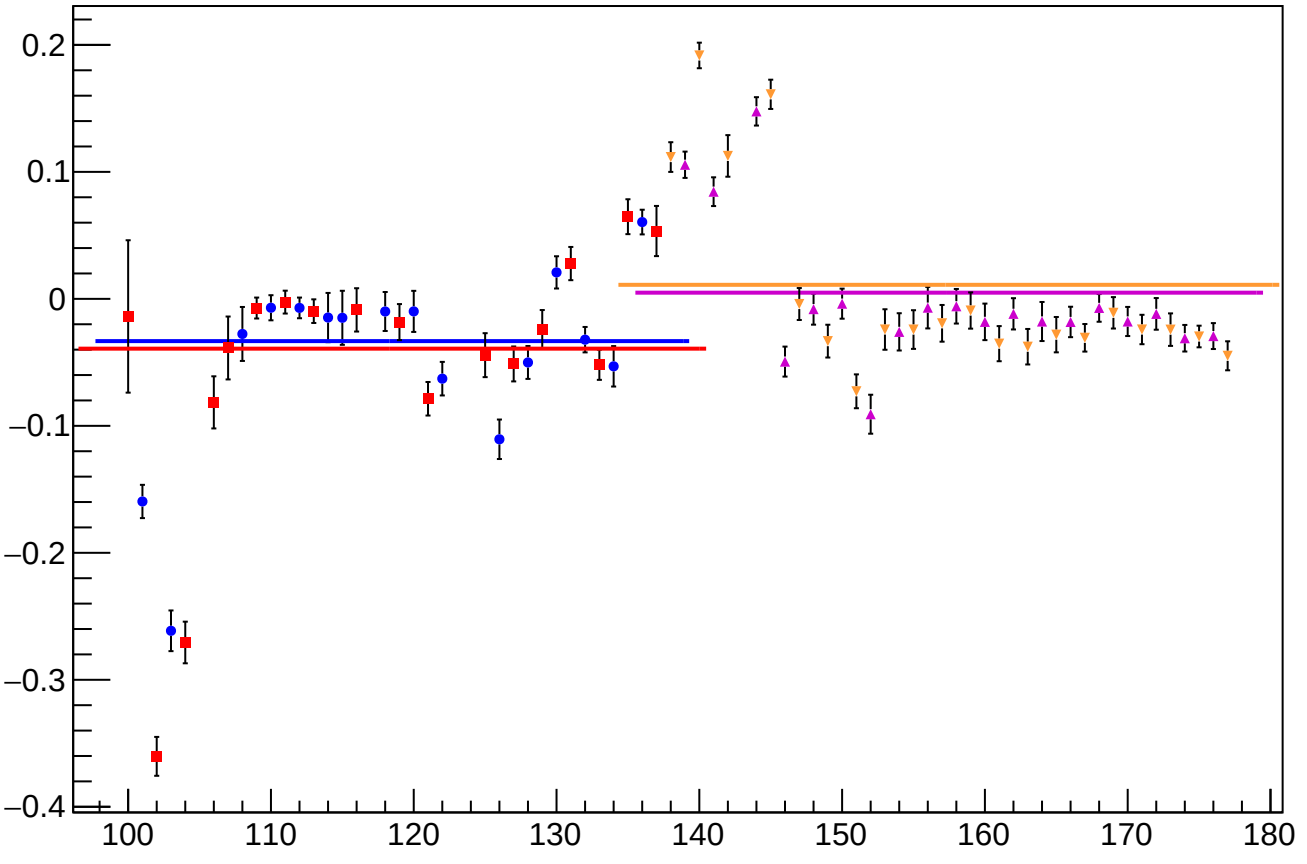
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.078+/-0.002 χ^2/NDF:3793.6/18

+ sign -0.125+/-0.002 χ^2/NDF: 16100.6/35

All: -0.106+/-0.001 χ^2/NDF: 35495.7/72

- sign -0.091+/-0.002 χ^2/NDF: 19178.5/36



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.011+/-0.003 χ^2/NDF:786.3/19

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

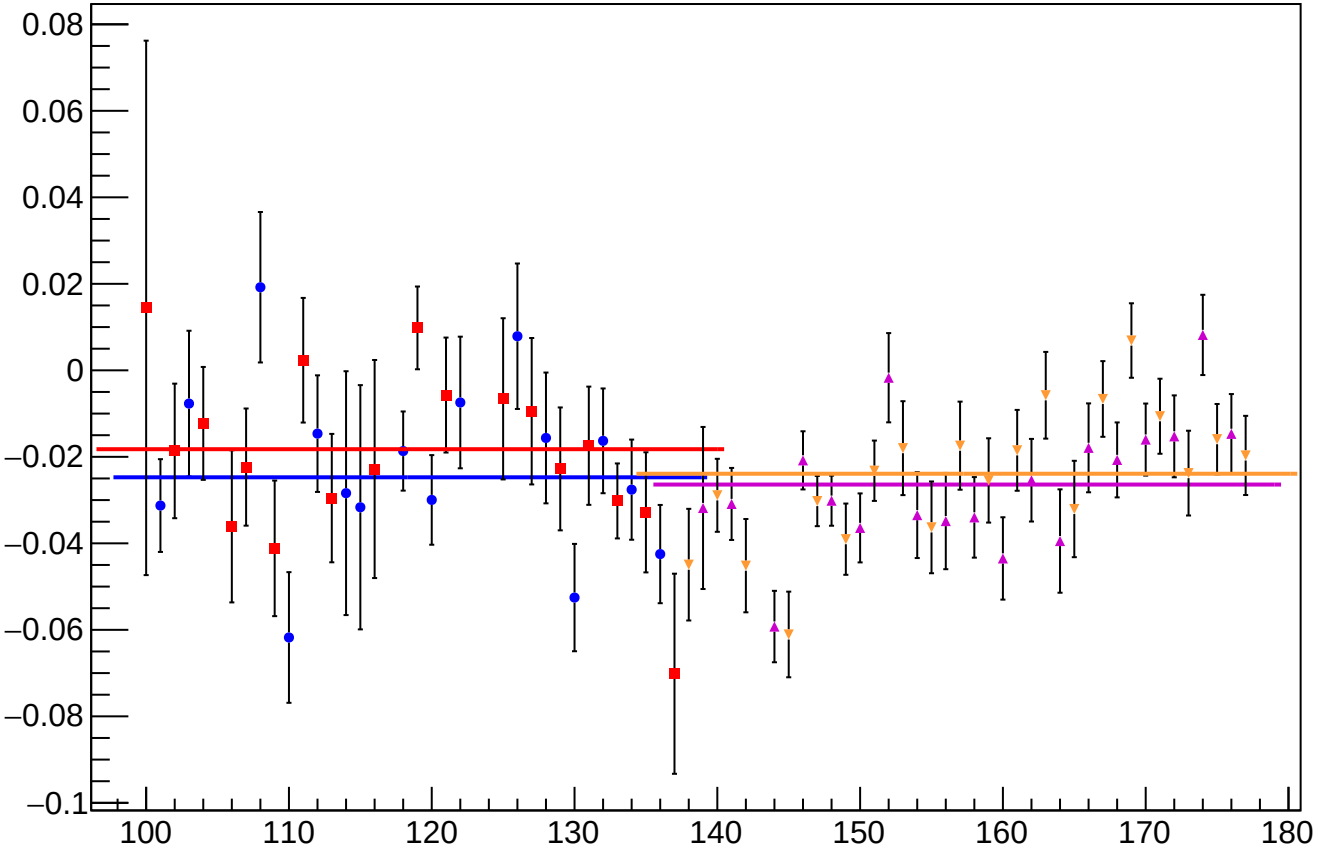
Left In: 0.005+/-0.003 χ^2/NDF:414.6/18

+ sign -0.008+/-0.002 χ^2/NDF: 1358.7/35

All: -0.011+/-0.001 χ^2/NDF: 2694.0/72

- sign -0.014+/-0.002 χ^2/NDF: 1330.5/36

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:52.0/19

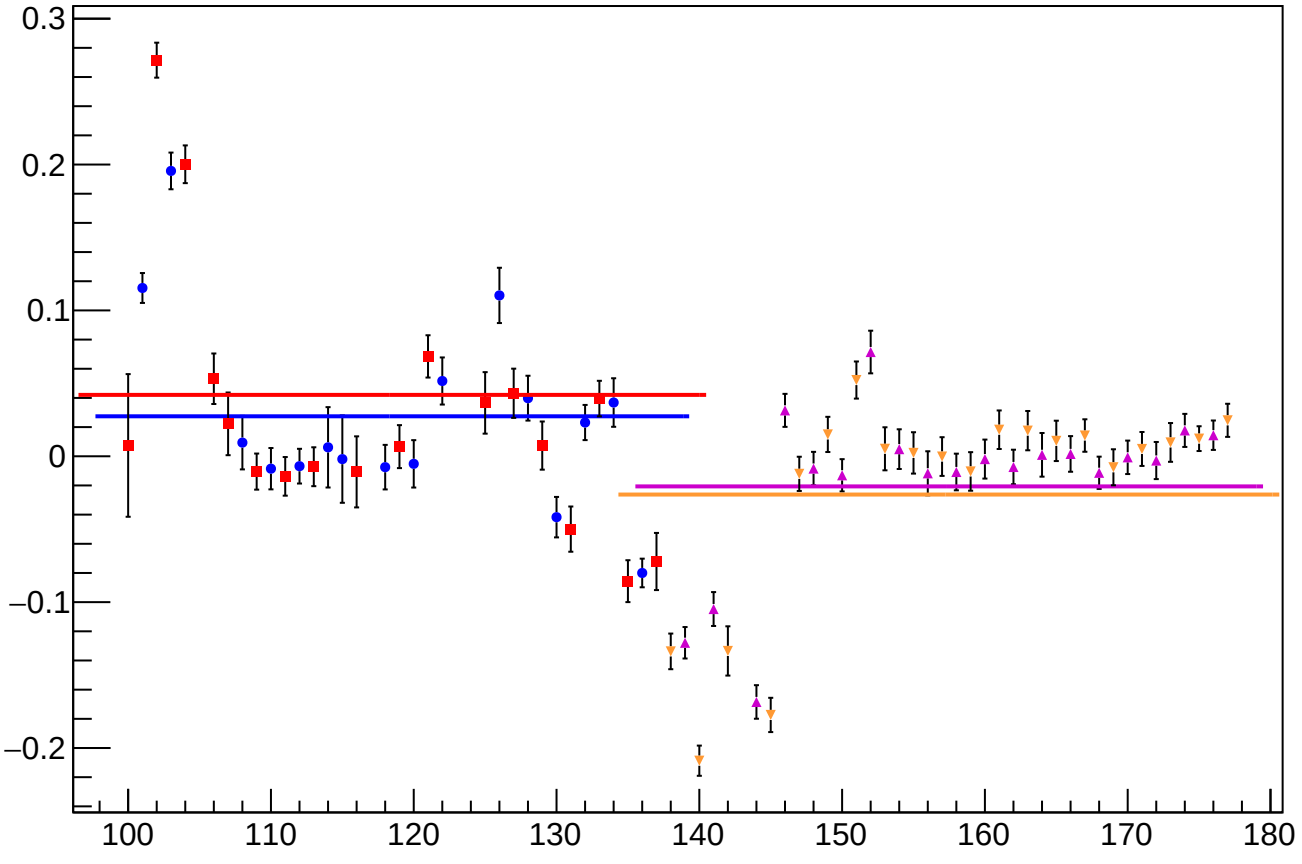
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:50.4/18

+ sign -0.024+/-0.002 χ^2/NDF: 80.6/35

All: -0.024+/-0.001 χ^2/NDF: 159.9/72

- sign -0.024+/-0.002 χ^2/NDF: 79.3/36



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.026+/-0.003 χ^2/NDF:758.3/19

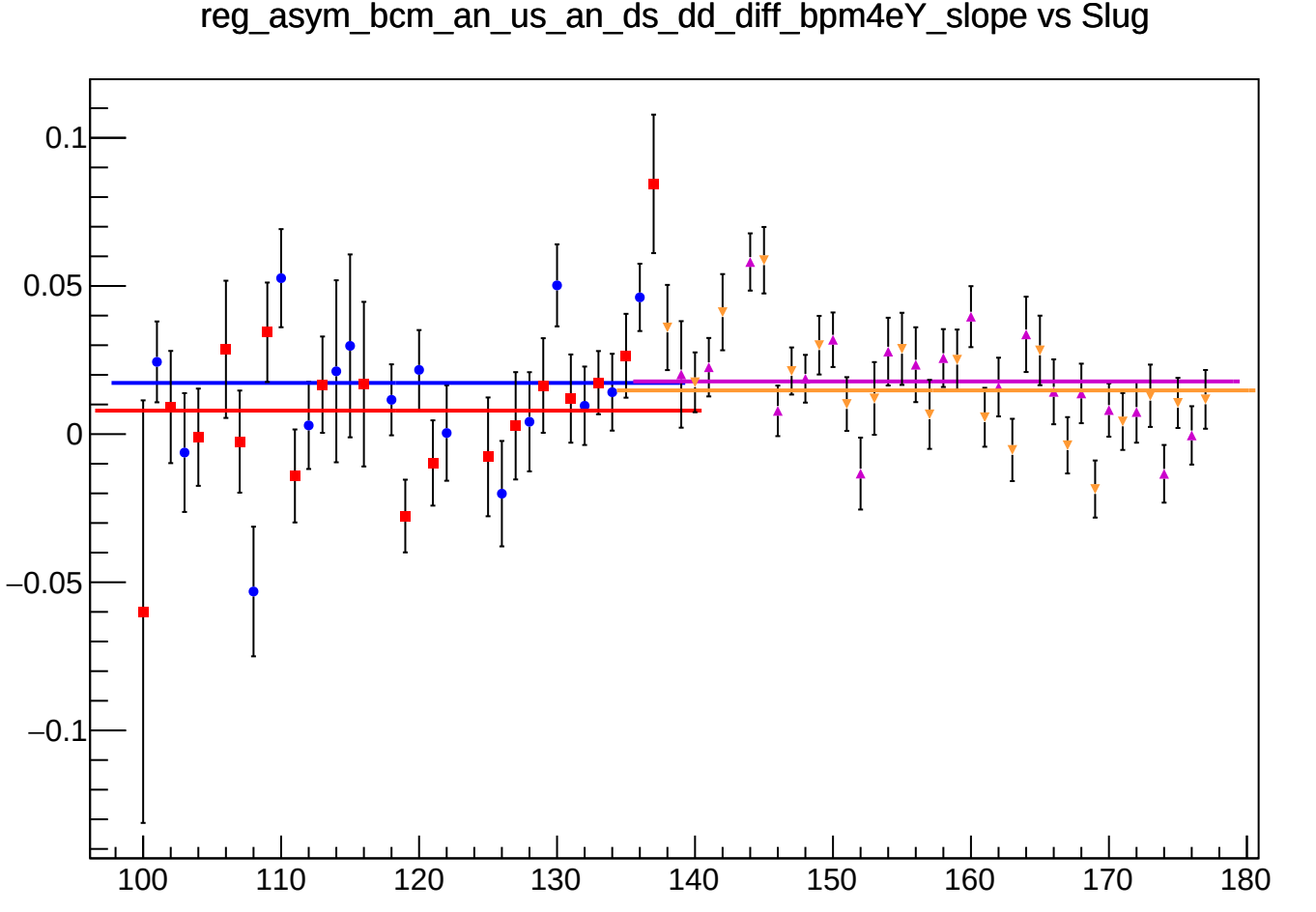
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.021+/-0.003 χ^2/NDF:421.0/18

+ sign -0.006+/-0.002 χ^2/NDF: 1346.5/35

All: -0.002+/-0.002 χ^2/NDF: 2697.4/72

- sign 0.002+/-0.002 χ^2/NDF: 1343.1/36



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.1/19

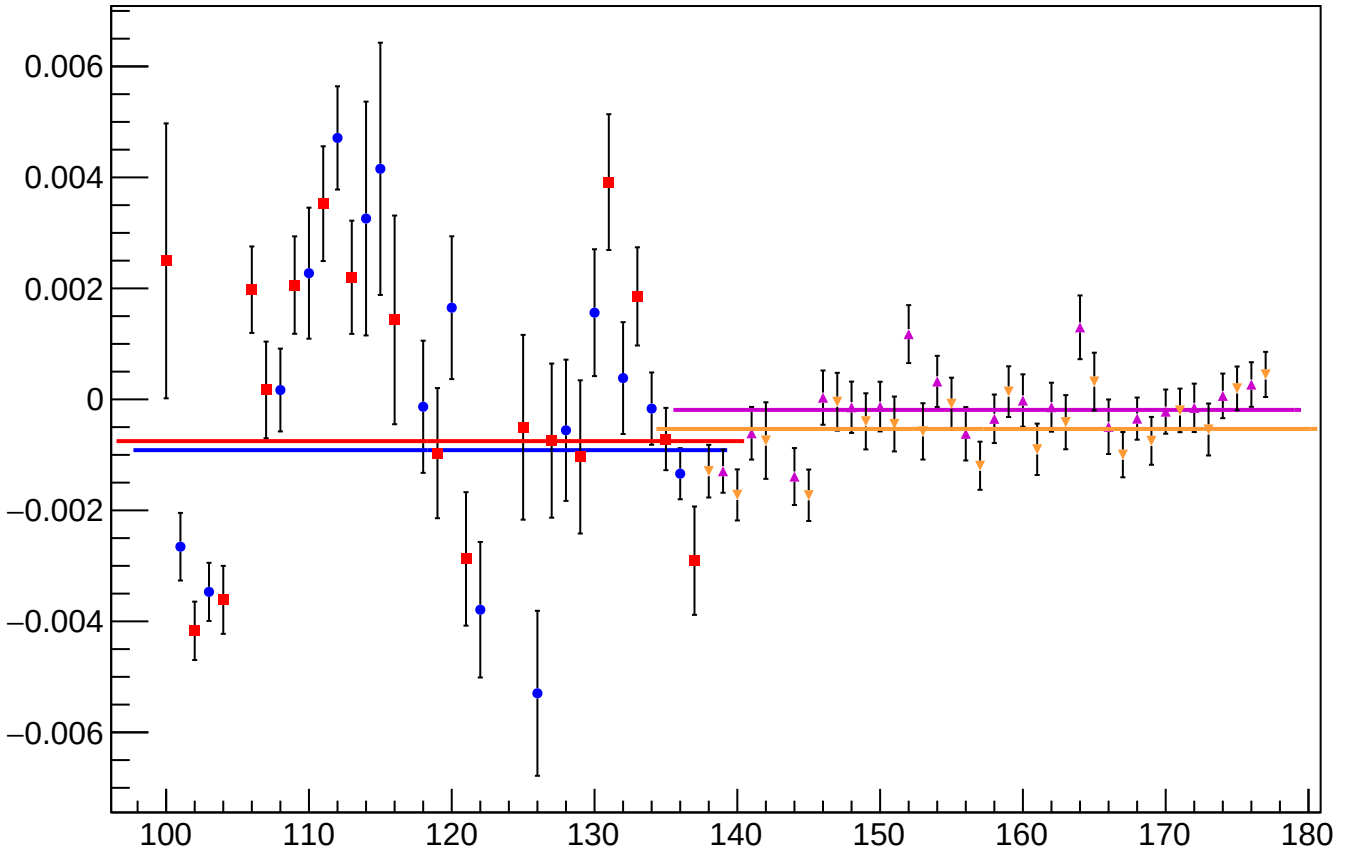
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.018+/-0.002 χ^2/NDF:51.7/18

+ sign 0.015+/-0.002 χ^2/NDF: 88.1/35

All: 0.015+/-0.001 χ^2/NDF: 175.9/72

- sign 0.015+/-0.002 χ^2/NDF: 87.8/36



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:37.3/19

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

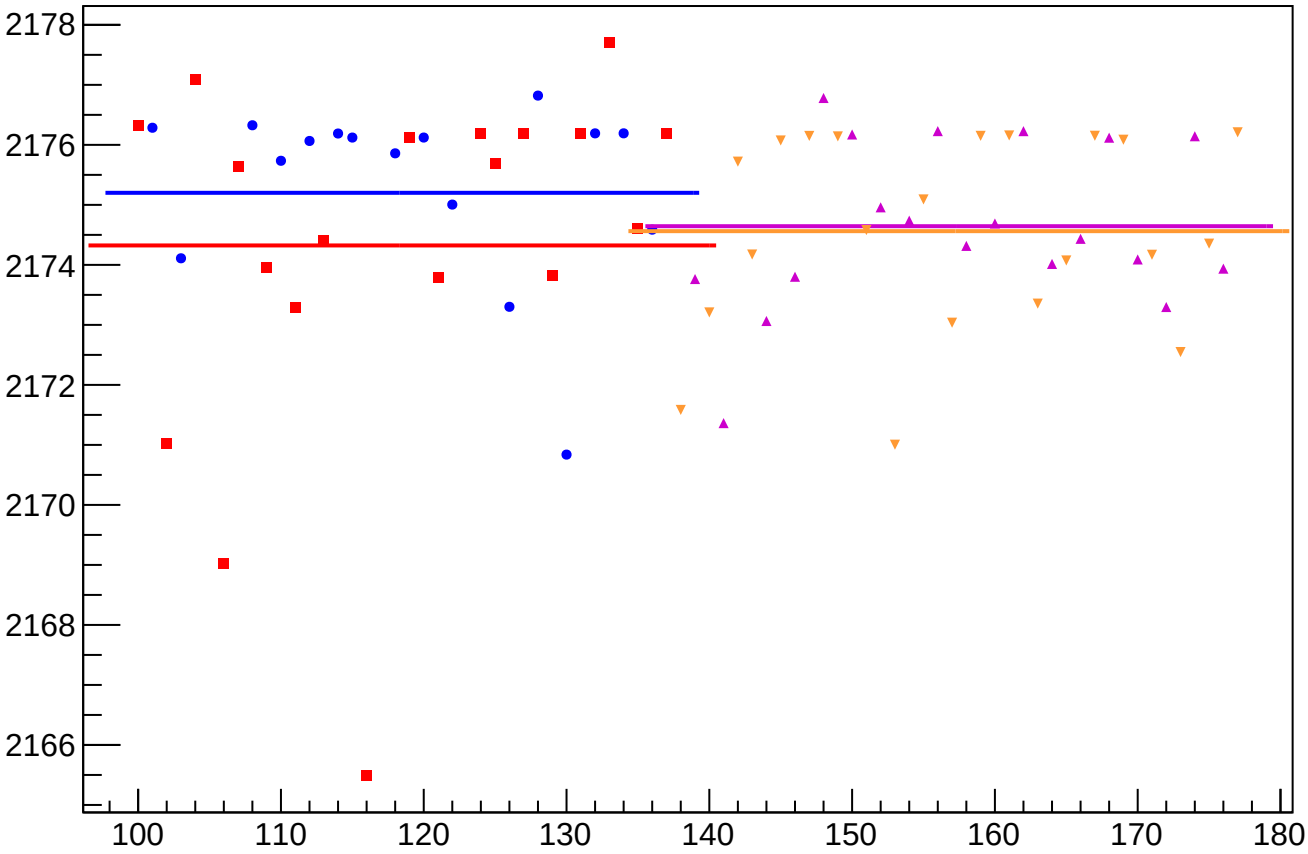
Left In: -0.000+/-0.000 χ^2/NDF:32.7/18

+ sign -0.001+/-0.000 χ^2/NDF: 154.0/35

All: -0.000+/-0.000 χ^2/NDF: 345.5/72

- sign -0.000+/-0.000 χ^2/NDF: 185.9/36

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.562+/-0.000 χ^2/NDF:44921562844248388765054940689203 20.0/20

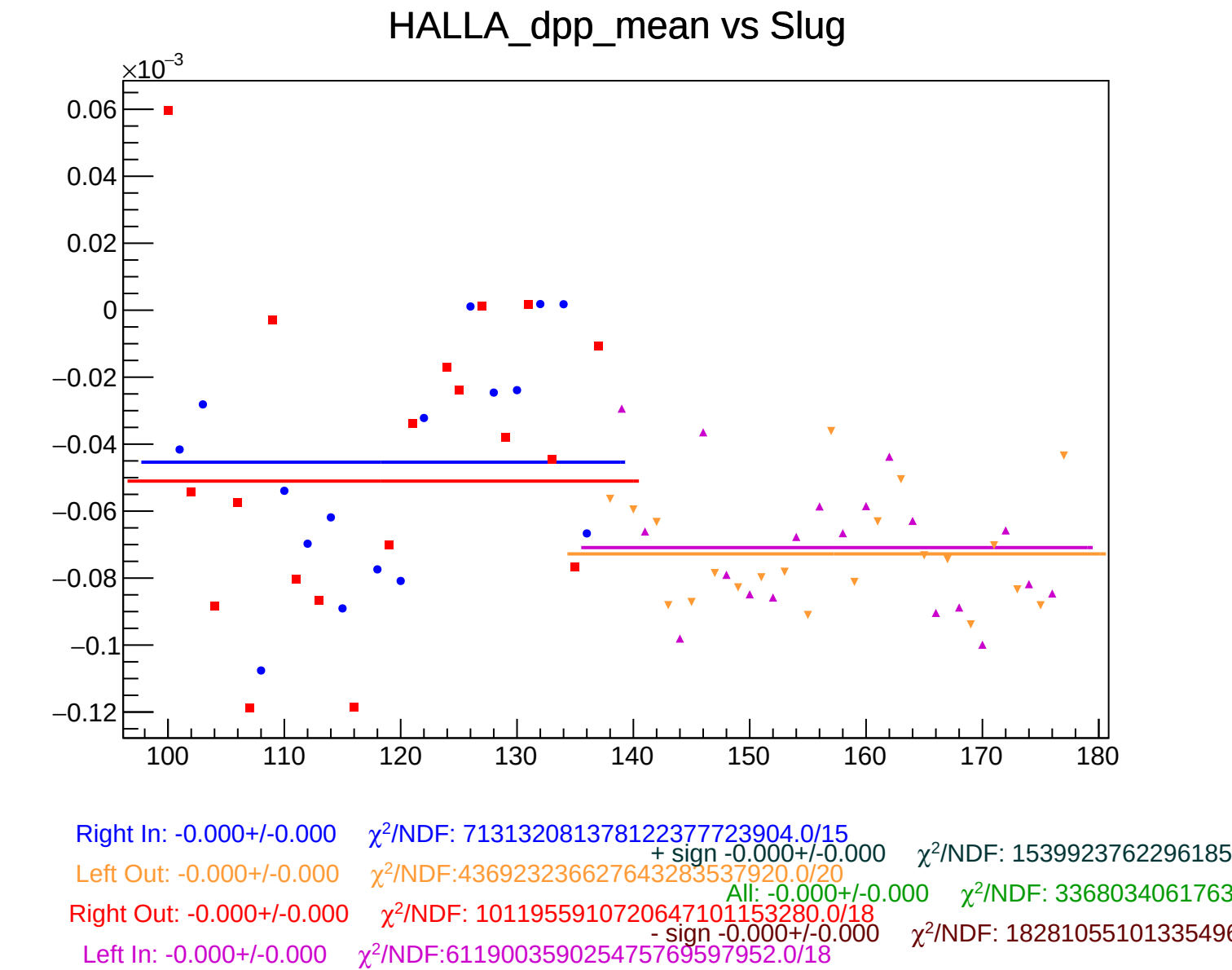
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.645+/-0.000 χ^2/NDF:30586717466868509047869841426350 08.0/18

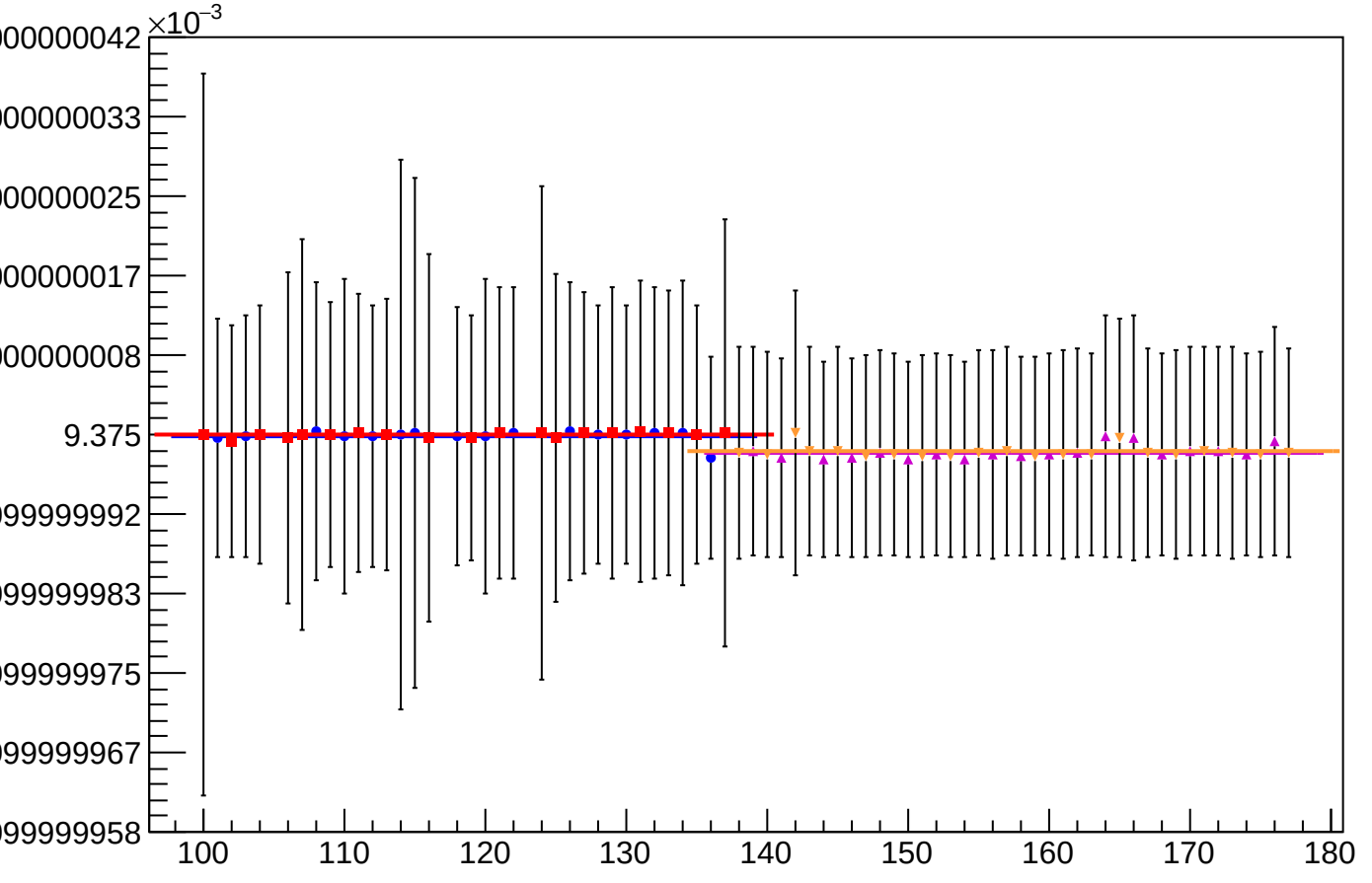
+ sign 2174.753+/-0.000 χ^2/NDF: 6469998385727 4

All: 2174.650+/-0.000 χ^2/NDF: 151784069 38

- sign 2174.542+/-0.000 χ^2/NDF: 8654197084221 1


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:4369232366276432835379200.0/20
Right Out: -0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: -0.000+/-0.000 χ²/NDF:6119003590254757695979520.0/18
+ sign -0.000+/-0.000 χ²/NDF: 1539923762296185
All: -0.000+/-0.000 χ²/NDF: 3368034061763
- sign -0.000+/-0.000 χ²/NDF: 1828105510133549

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

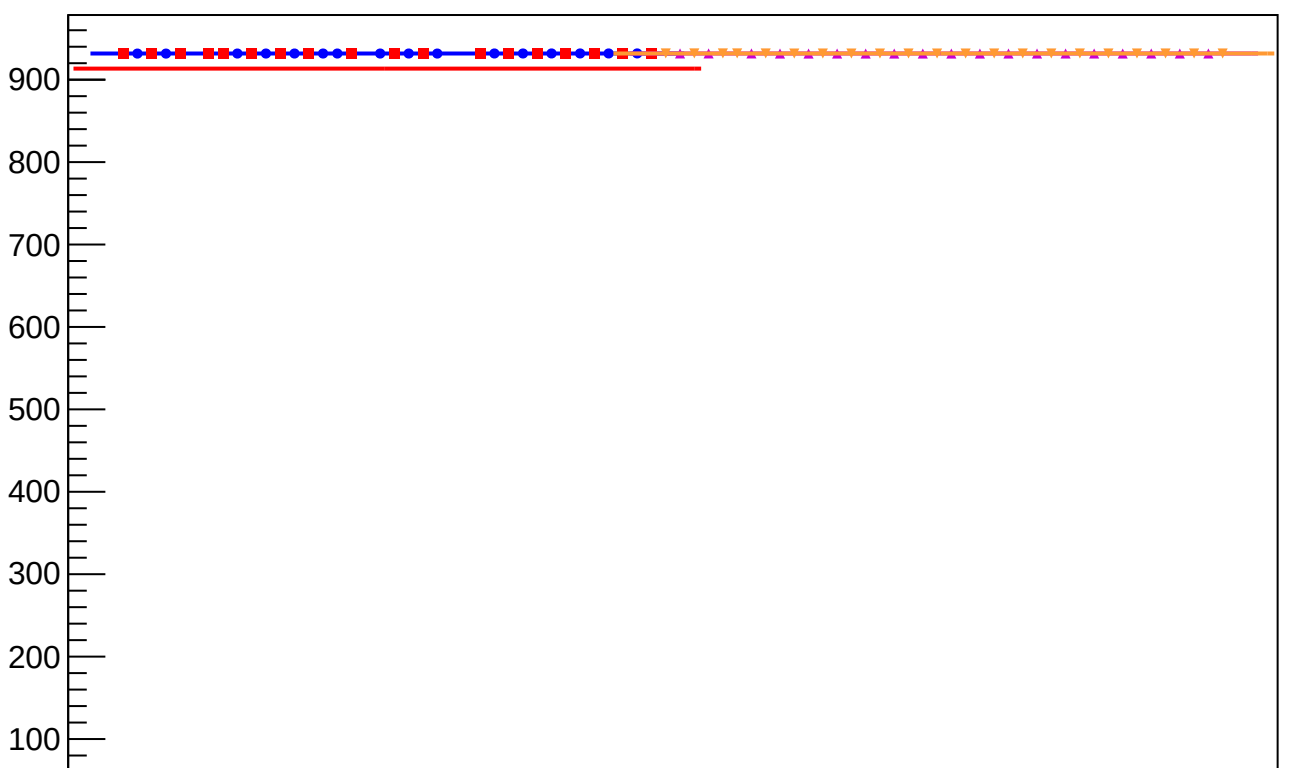
Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/74

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37

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: 707479991986478

Left Out: 931.785+/-0.000 χ^2/NDF:4183180514851645781908949827584.0/20

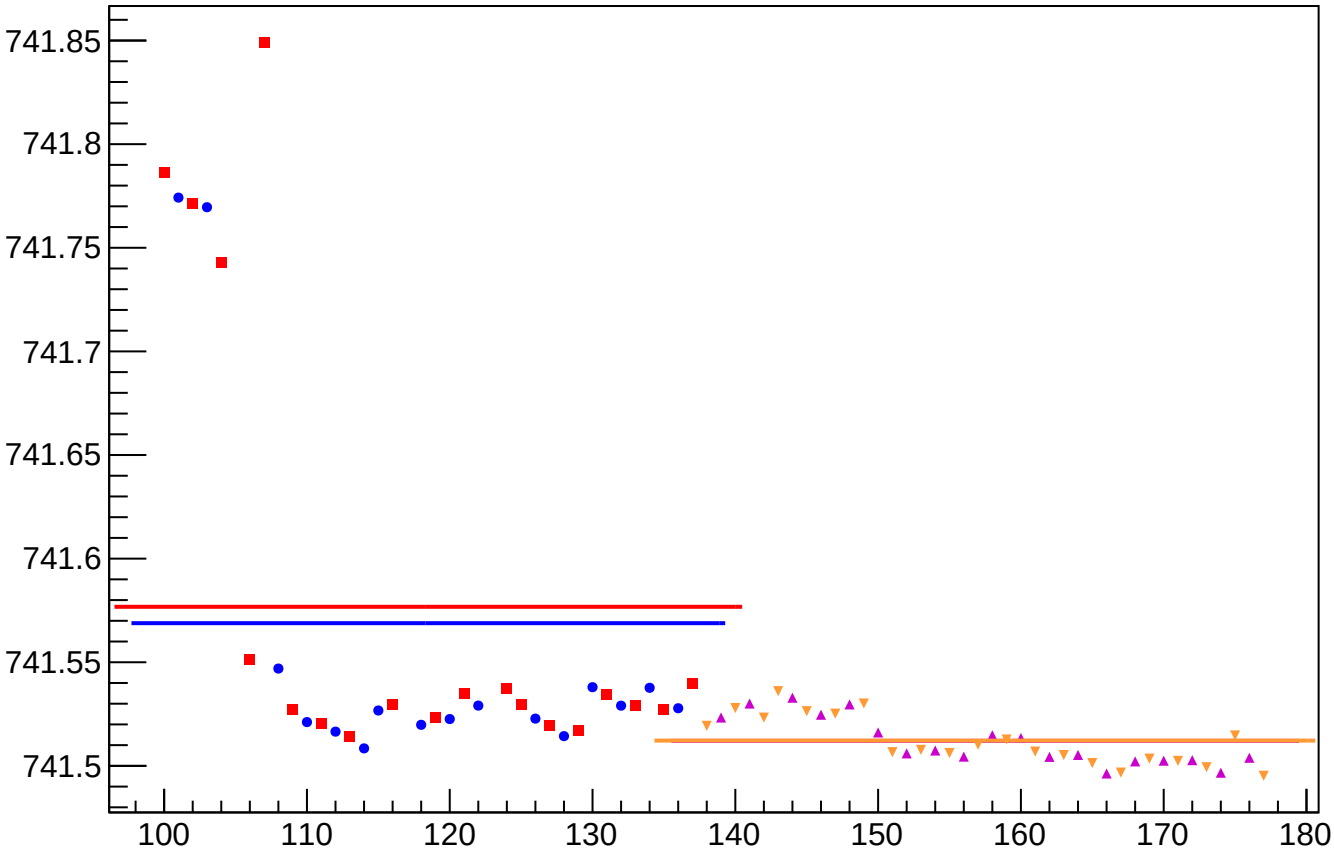
All: 928.899+/-0.000 χ^2/NDF: 12982024598

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 925.898+/-0.000 χ^2/NDF: 1294001881511333

Left In: 931.777+/-0.000 χ^2/NDF:377921616829519464164483294822 4.0/18

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: 833373683422514

Left Out: 741.512+/-0.000 χ^2/NDF:233633482759294163114541449216.0/20

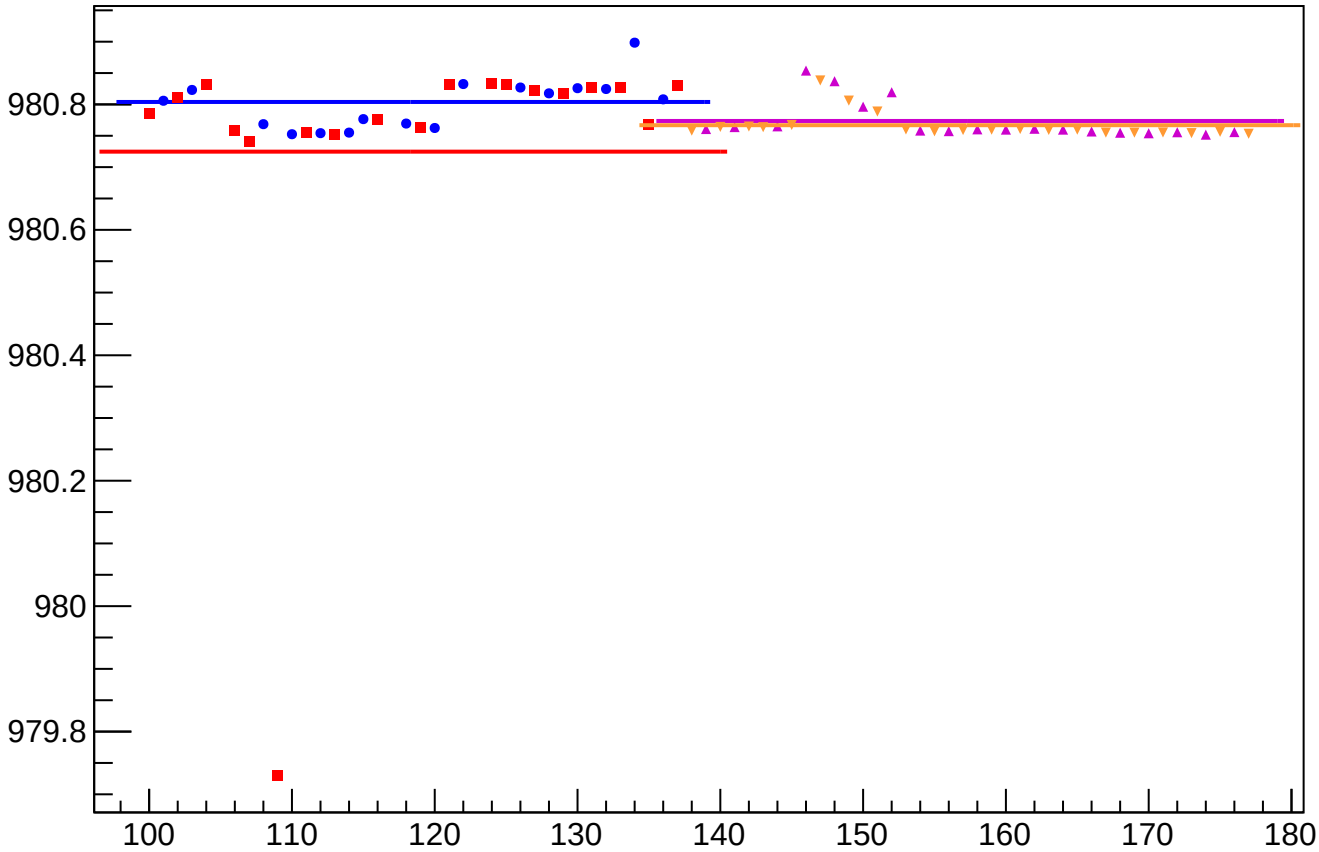
All: 741.531+/-0.000 χ^2/NDF: 184203889164

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

- sign 741.533+/-0.000 χ^2/NDF: 100703468528268

Left In: 741.512+/-0.000 χ^2/NDF:208483767808730813829897781248.0/18

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.767+/-0.000 χ^2/NDF:74033991991057327363731331481600/20

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

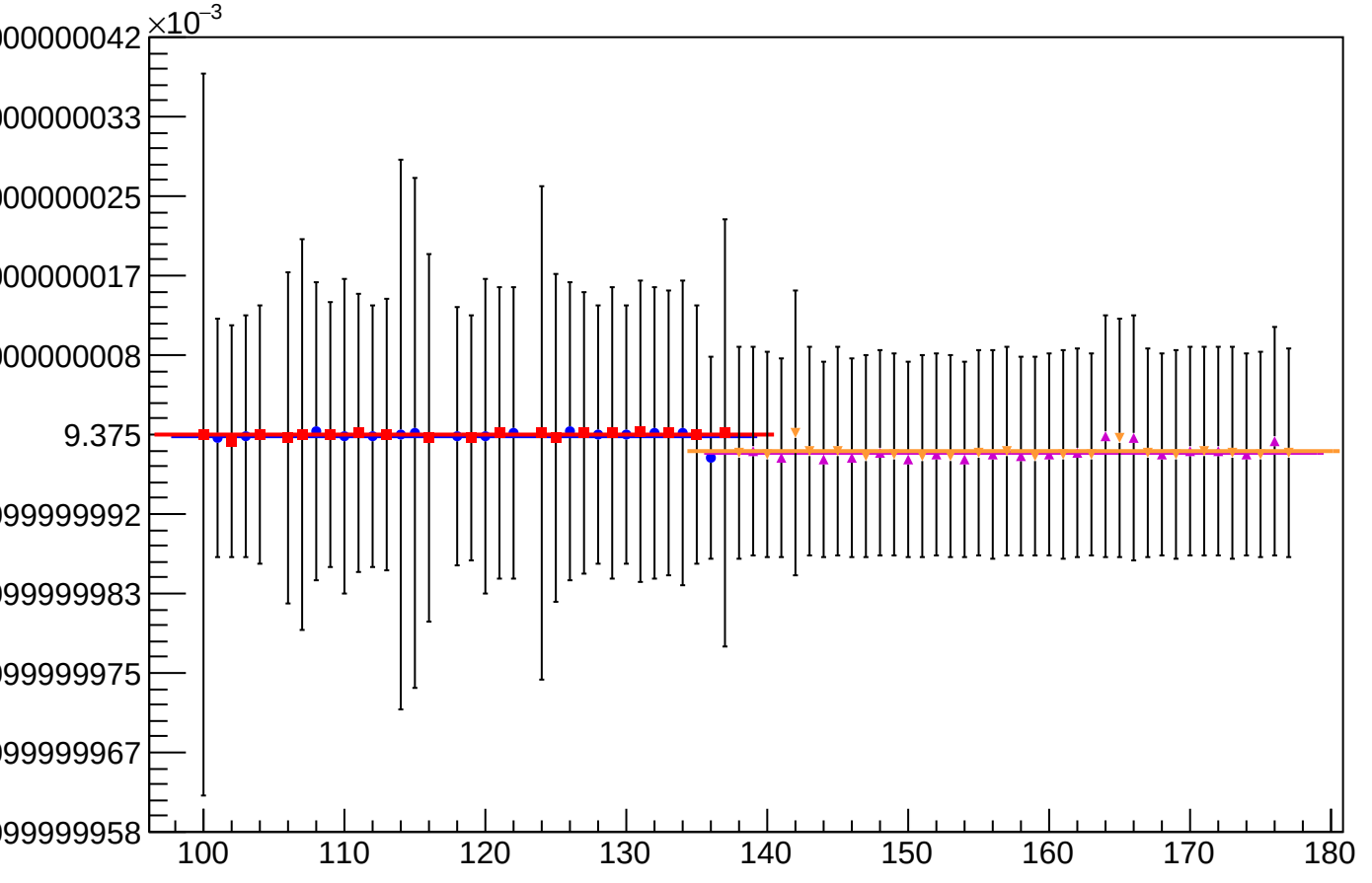
Left In: 980.774+/-0.000 χ^2/NDF:14728265698452260587883053711360/18

+ sign 980.778+/-0.000 χ^2/NDF: 238637385374830

All: 980.768+/-0.000 χ^2/NDF: 616263716510

- sign 980.758+/-0.000 χ^2/NDF: 587532693540915

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

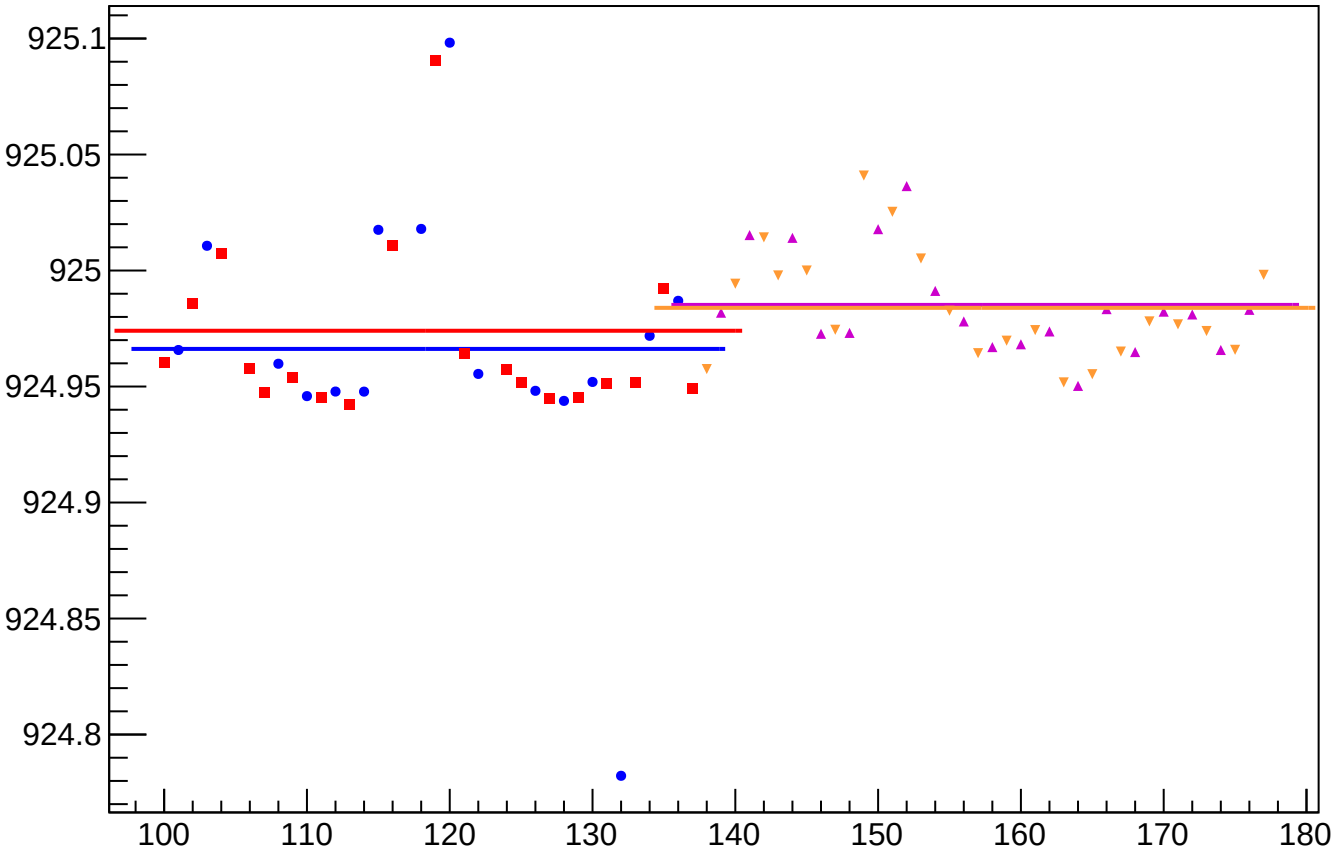
Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/74

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.984+/-0.000 χ^2/NDF:926198981231542649172619427840.0/20

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

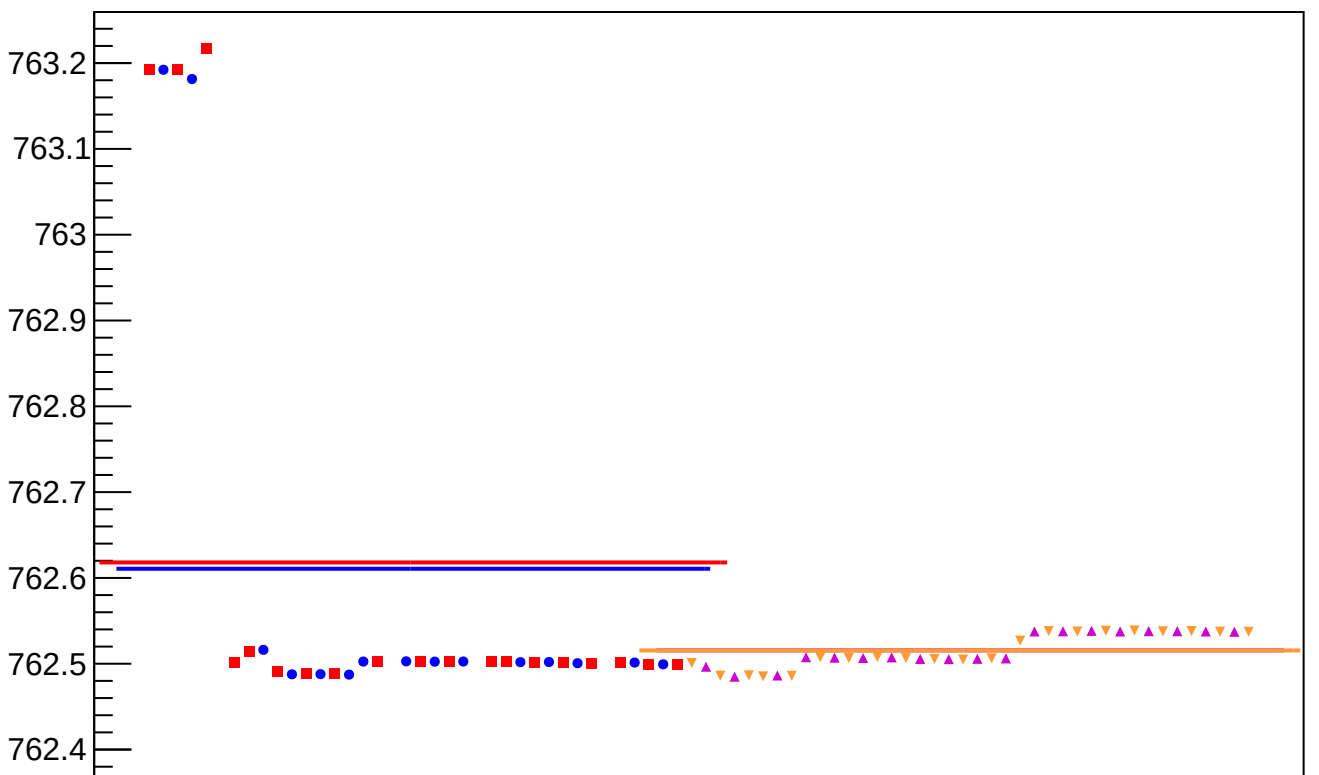
Left In: 924.985+/-0.000 χ^2/NDF:750087144649008228805193498624.0/18

+ sign 924.979+/-0.000 χ^2/NDF: 363336221376897

All: 924.980+/-0.000 χ^2/NDF: 57005607747

- sign 924.982+/-0.000 χ^2/NDF: 205638008953174

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

+ sign 762.544+/-0.000 χ^2/NDF: 575384916914579

Left Out: 762.516+/-0.000 χ^2/NDF:67257317768348247573152976076 8.0/20

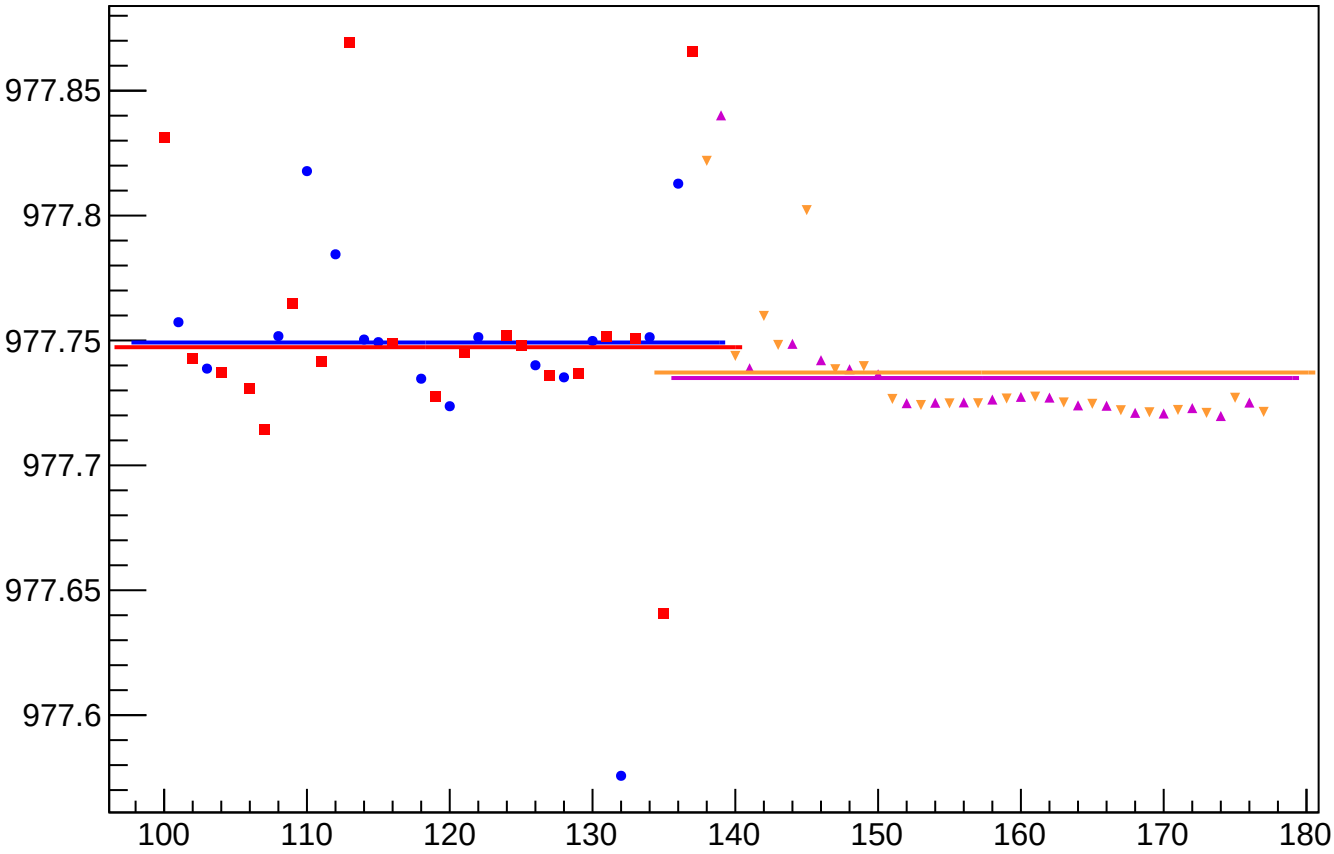
All: 762.546+/-0.000 χ^2/NDF: 1167024643 80

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

- sign 762.548+/-0.000 χ^2/NDF: 591396213916180

Left In: 762.516+/-0.000 χ^2/NDF:56735345613472247033441655 1936.0/18

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.737+/-0.000 χ^2/NDF:1175974129422599114529330692096.0/20

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

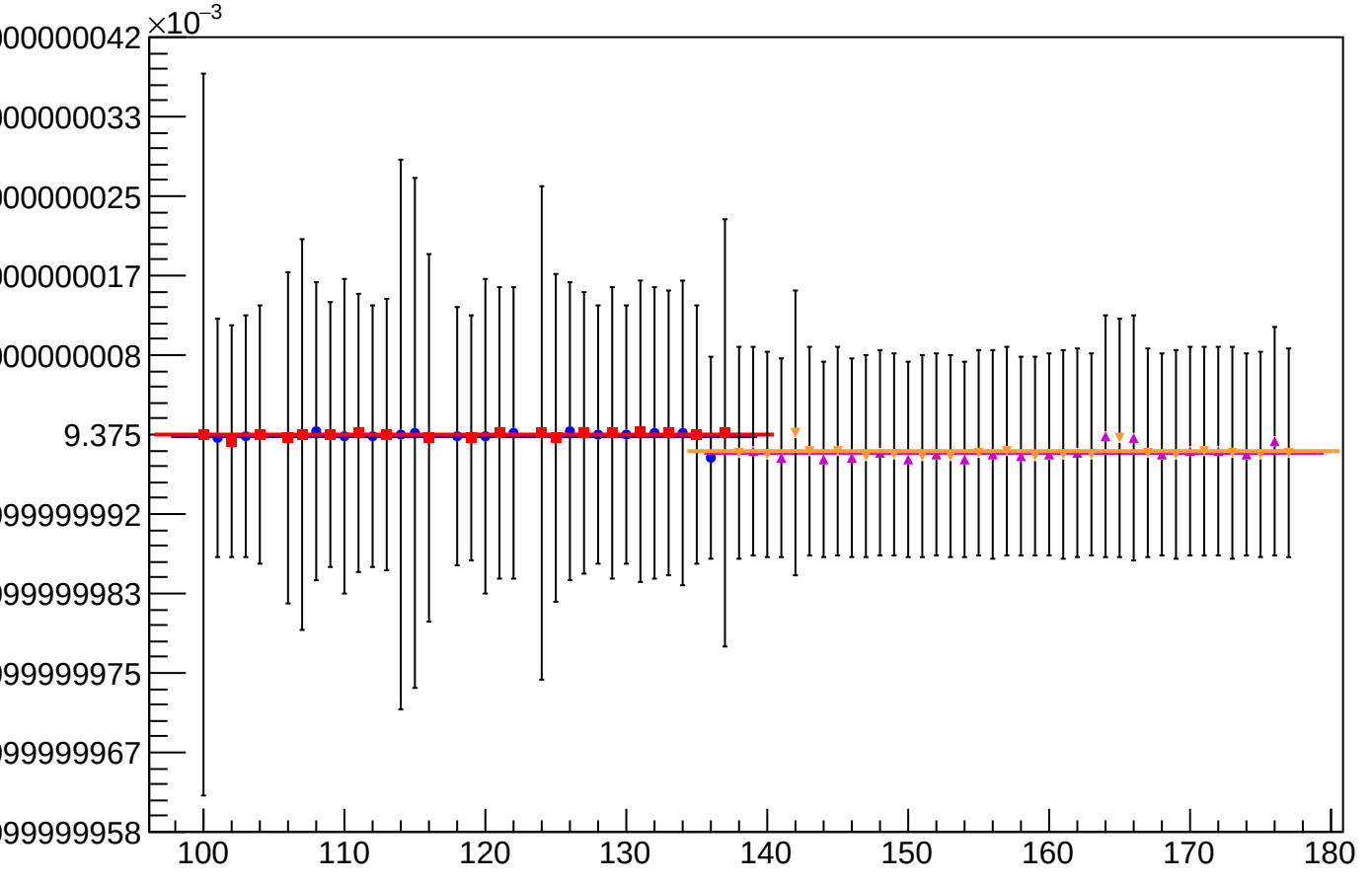
Left In: 977.735+/-0.000 χ^2/NDF:10864234479016848090286669168640/18

+ sign 977.741+/-0.000 χ^2/NDF: 321060265867208

All: 977.740+/-0.000 χ^2/NDF: 616234421094

- sign 977.739+/-0.000 χ^2/NDF: 294760332701431

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

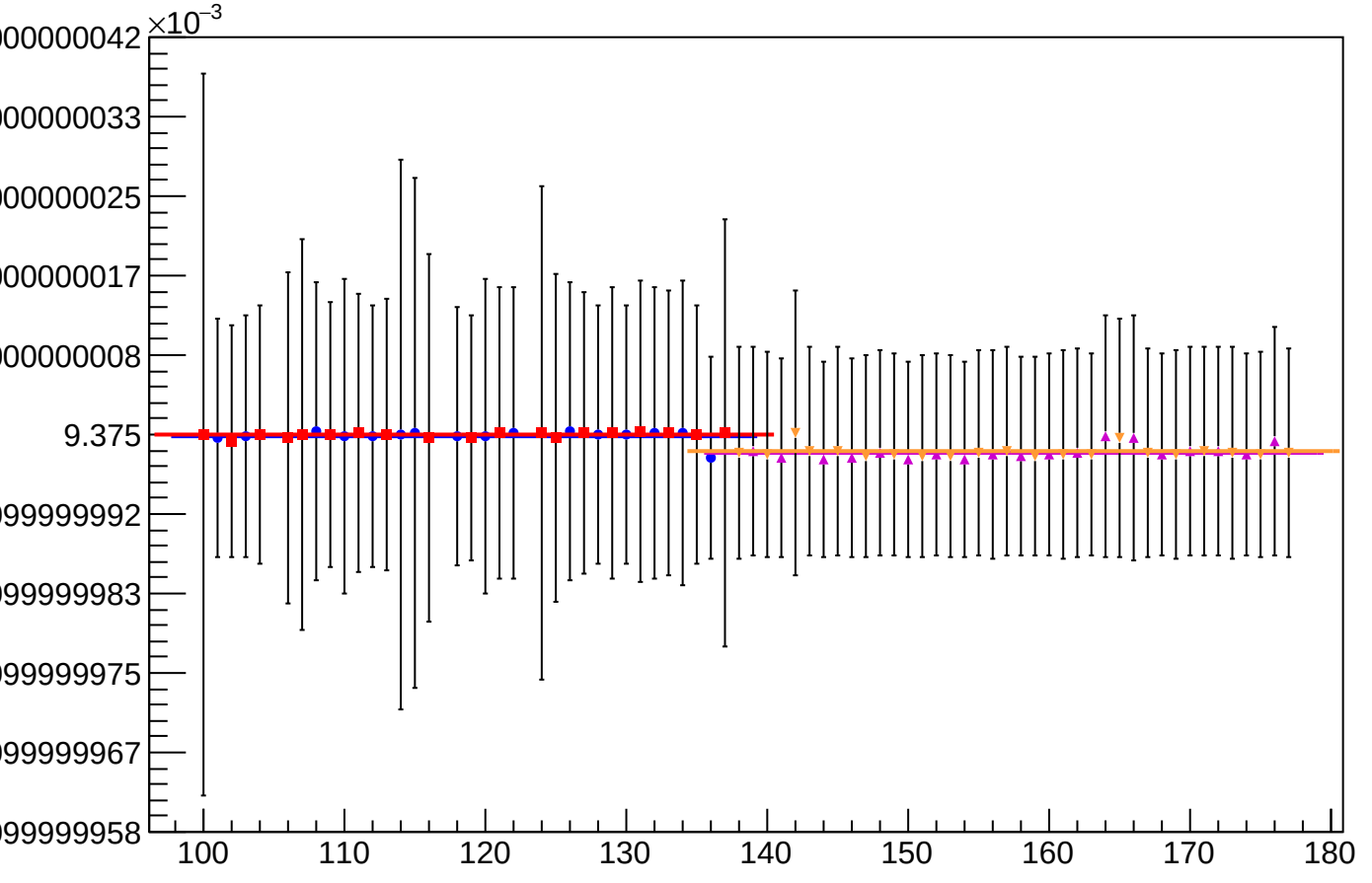
Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/74

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

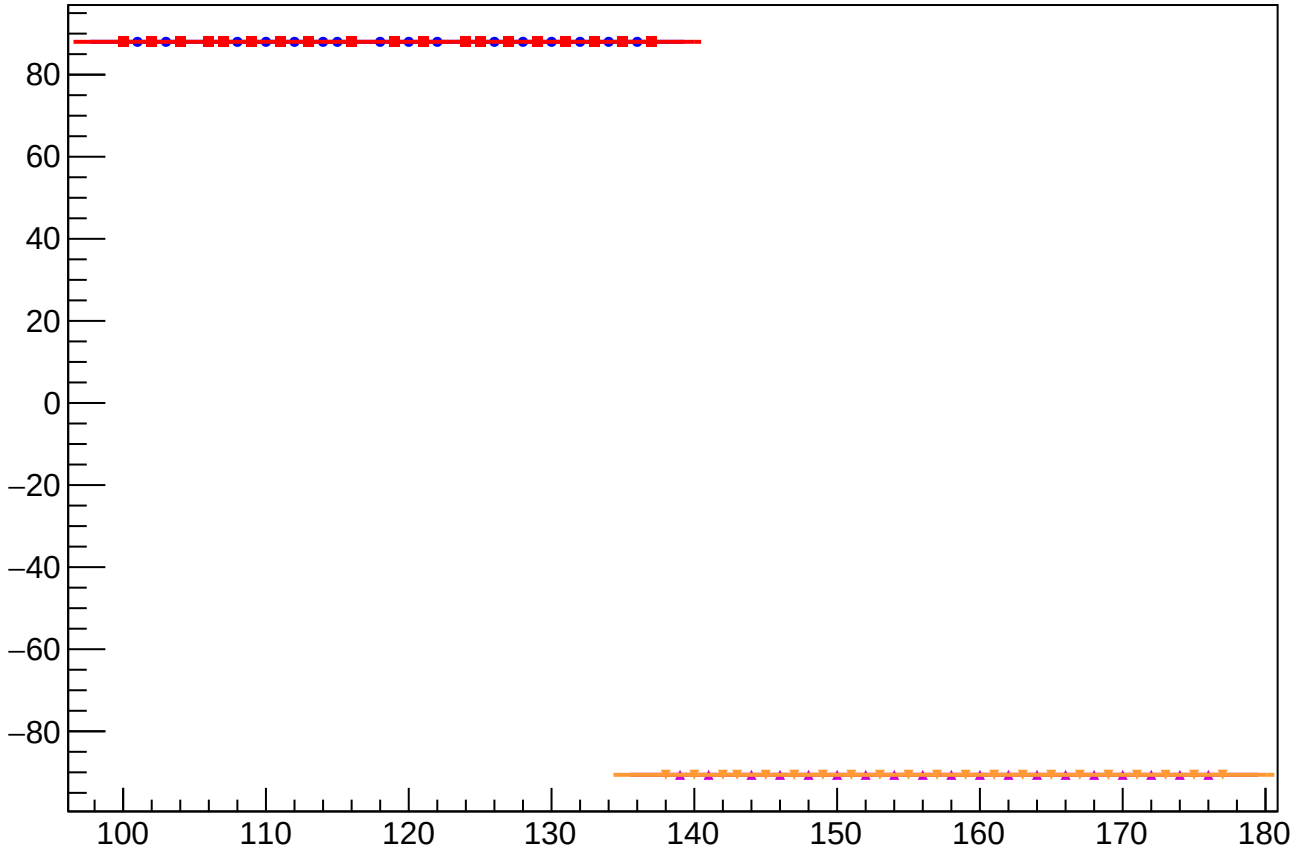
Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/74

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37

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:4769213.2/20

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

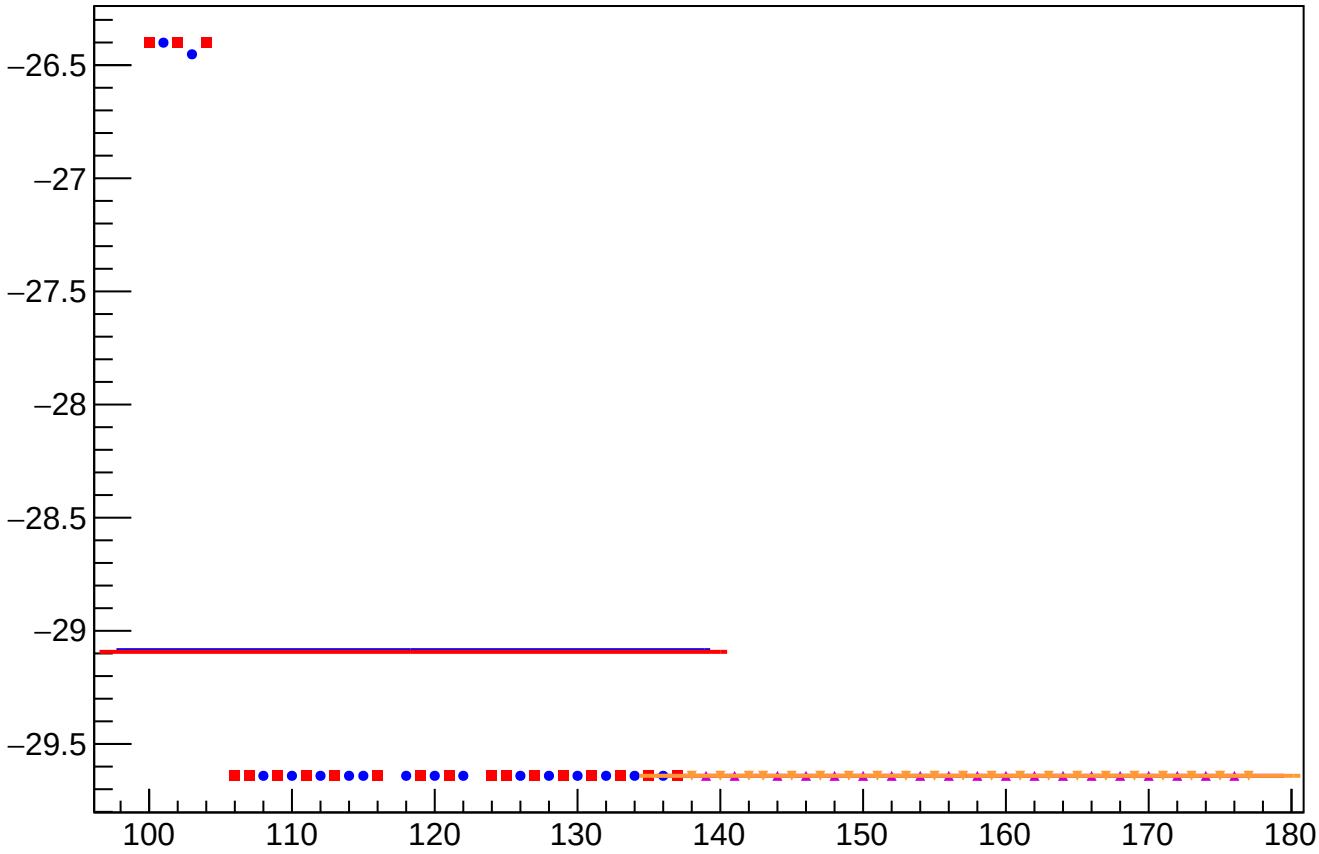
Left In: -90.599+/-0.000 χ^2/NDF:5540858.0/18

+ sign -37.192+/-0.000 χ^2/NDF: 165683642378207

All: -35.294+/-0.000 χ^2/NDF: 331194309903

- sign -33.317+/-0.000 χ^2/NDF: 165328418696875

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:450887.6/20

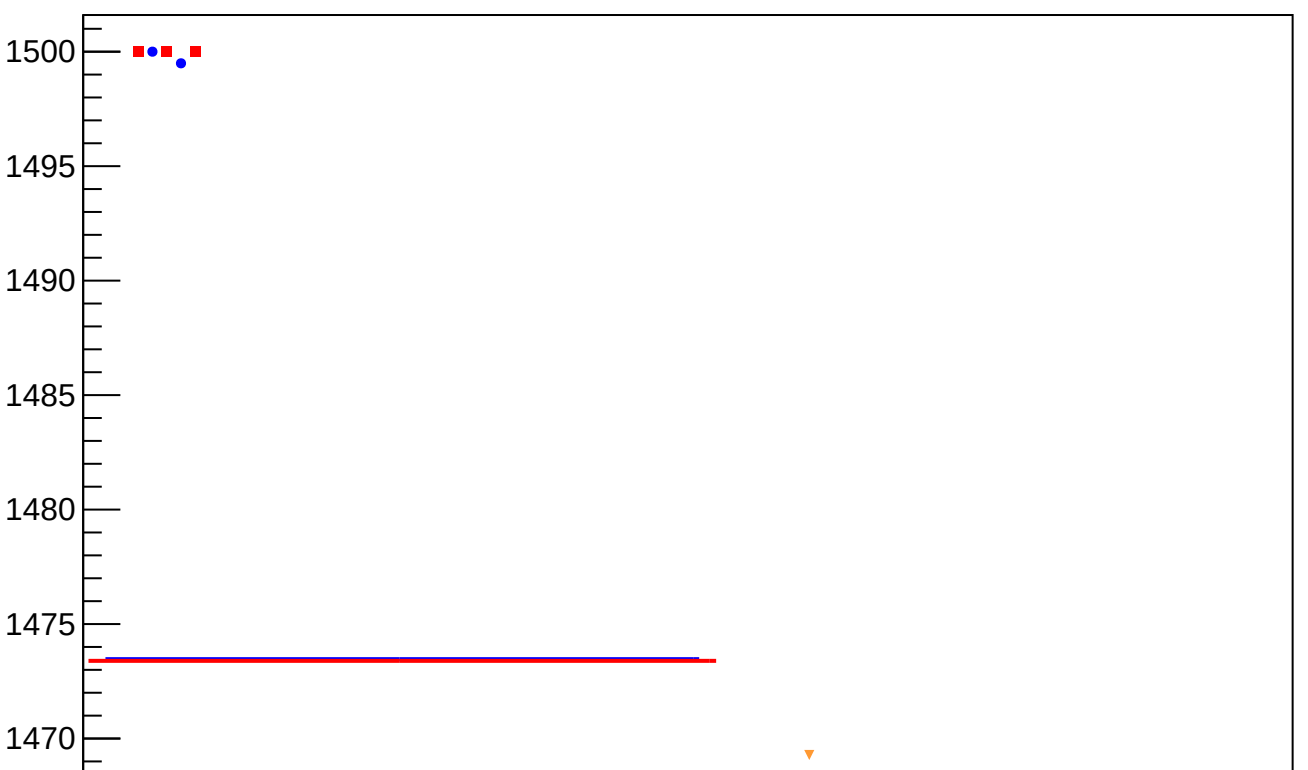
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:119212.7/18

+ sign -29.475+/-0.000 χ^2/NDF: 125453662953994

All: -29.470+/-0.000 χ^2/NDF: 253540943326

- sign -29.465+/-0.000 χ^2/NDF: 128076015132407



Right In: 1473.467+/-0.000 χ^2/NDF: 1068941948607061768784857937047715840/15

+ sign 1469.676+/-0.000 χ^2/NDF: 12227412525320

Left Out: 1468.059+/-0.000 χ^2/NDF:13870059991730280744116213199667 2.0/20

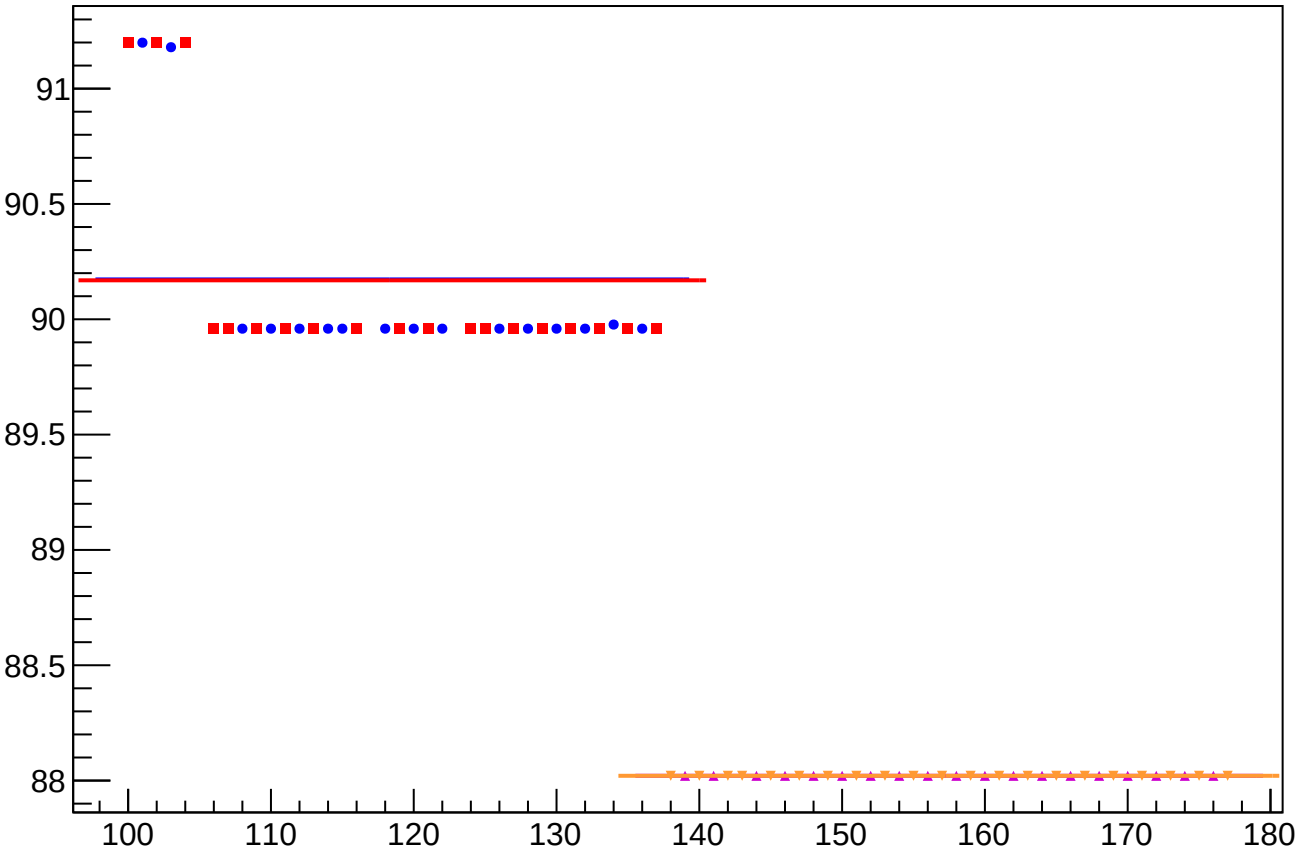
All: 1469.700+/-0.000 χ^2/NDF: 247256412830

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

- sign 1469.725+/-0.000 χ^2/NDF: 125026149177400

Left In: 1467.993+/-0.000 χ^2/NDF:14434851481603366130836884684 8.0/18

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:4193054.5/20

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

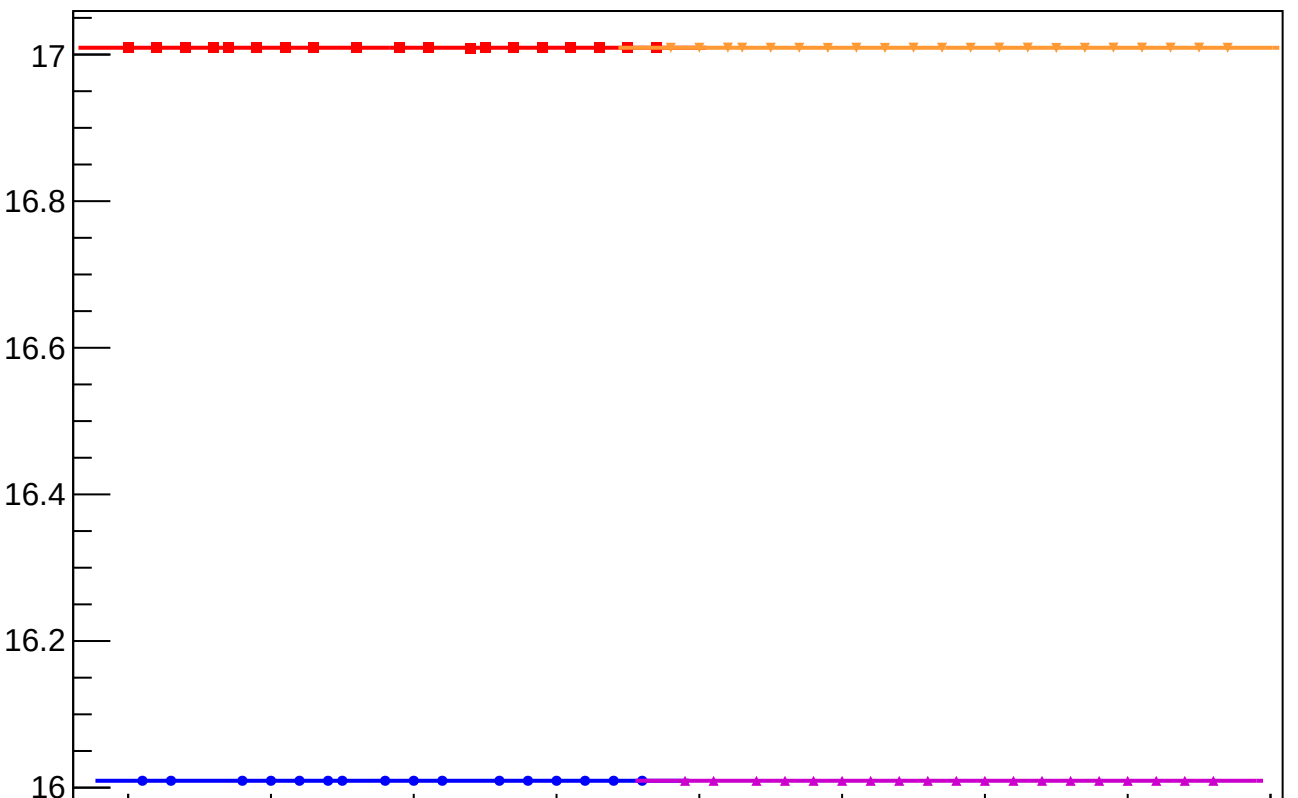
Left In: 88.021+/-0.000 χ^2/NDF:5262169.2/18

+ sign 88.664+/-0.000 χ^2/NDF: 2565608444721121

All: 88.687+/-0.000 χ^2/NDF: 512479884183(

- sign 88.710+/-0.000 χ^2/NDF: 2556682272308526

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:2481816137515248811769856O.0/20

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

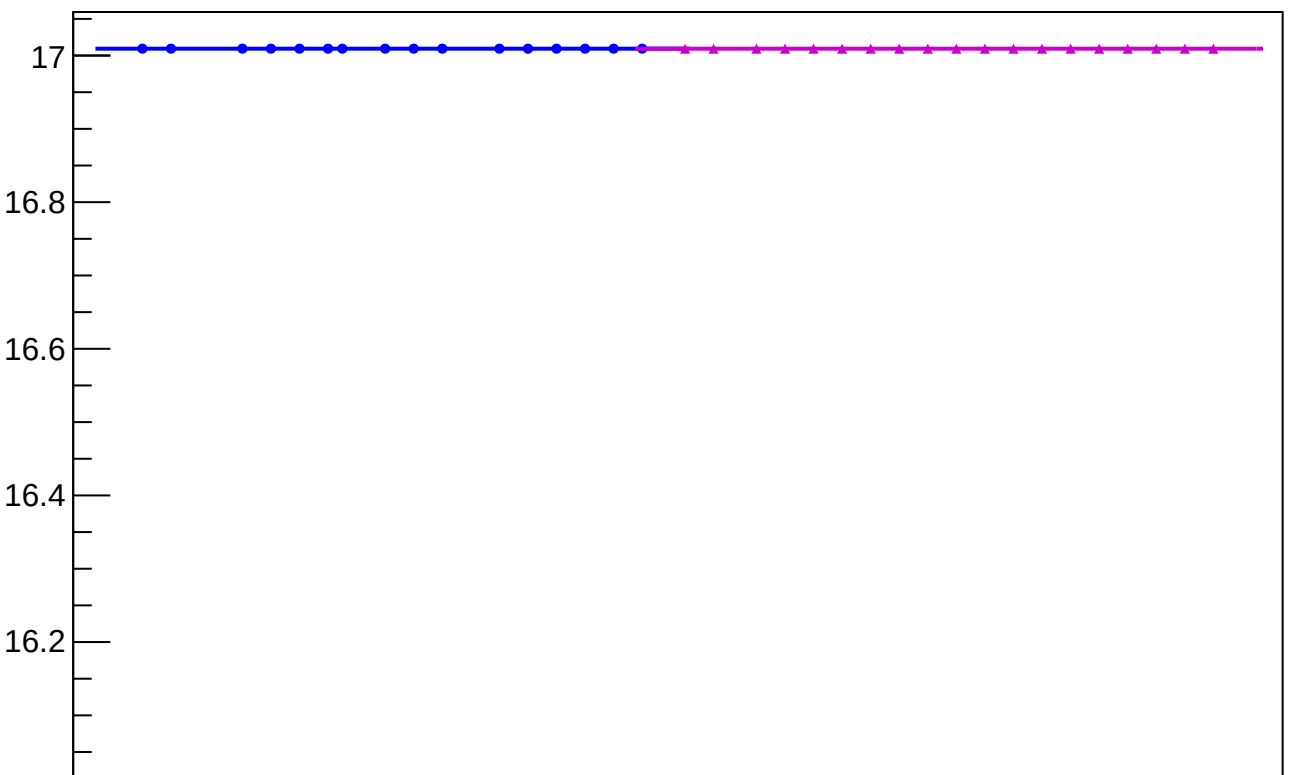
Left In: 16.009+/-0.000 χ^2/NDF:12372385455109638927155 2.0/18

+ sign 16.704+/-0.000 χ^2/NDF: 4877142266665448

All: 16.519+/-0.000 χ^2/NDF: 112436283593O

- sign 16.324+/-0.000 χ^2/NDF: 4745221101158424

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:76904.5/20

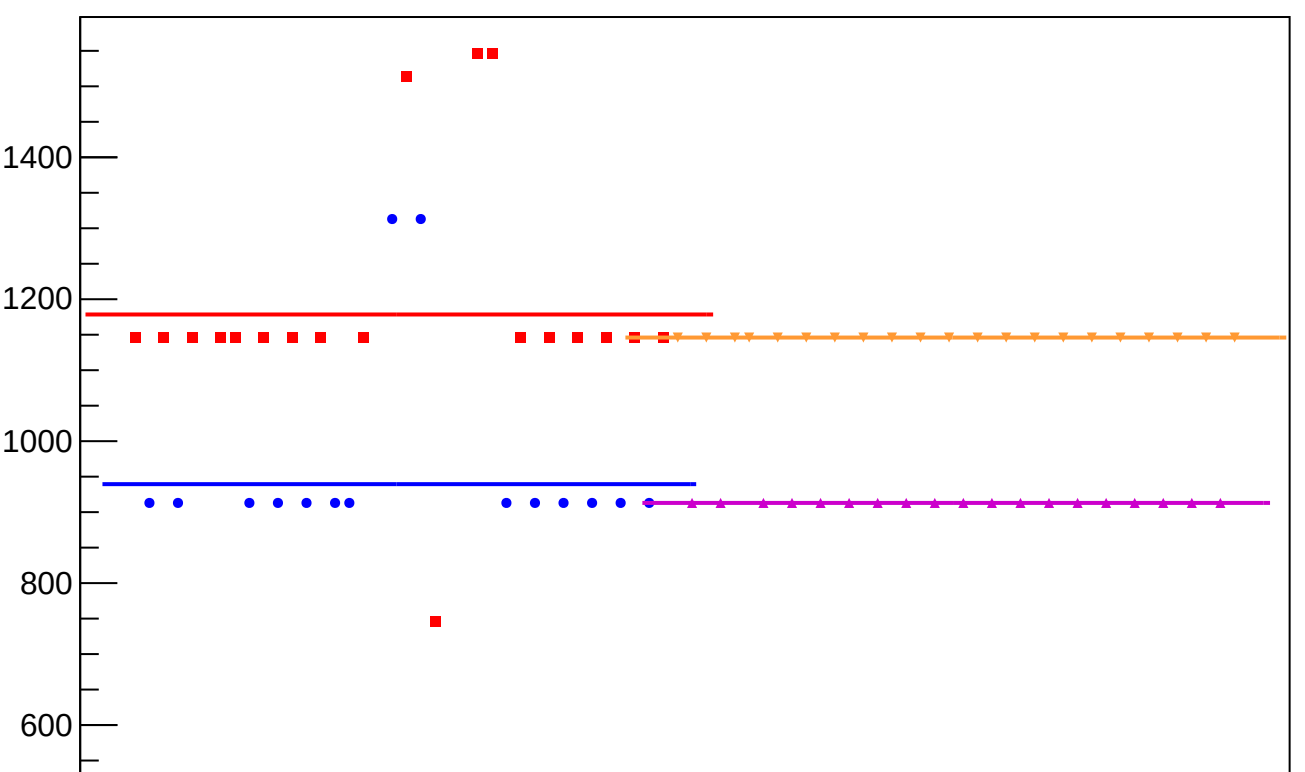
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:1100727507618891237949440.0/18

+ sign 16.302+/-0.000 χ^2/NDF: 5002799834574020

All: 16.490+/-0.000 χ^2/NDF: 1187217107452

- sign 16.685+/-0.000 χ^2/NDF: 5125989121094725



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

+ sign 1084.242+/-0.000 χ^2/NDF: 4324599552279

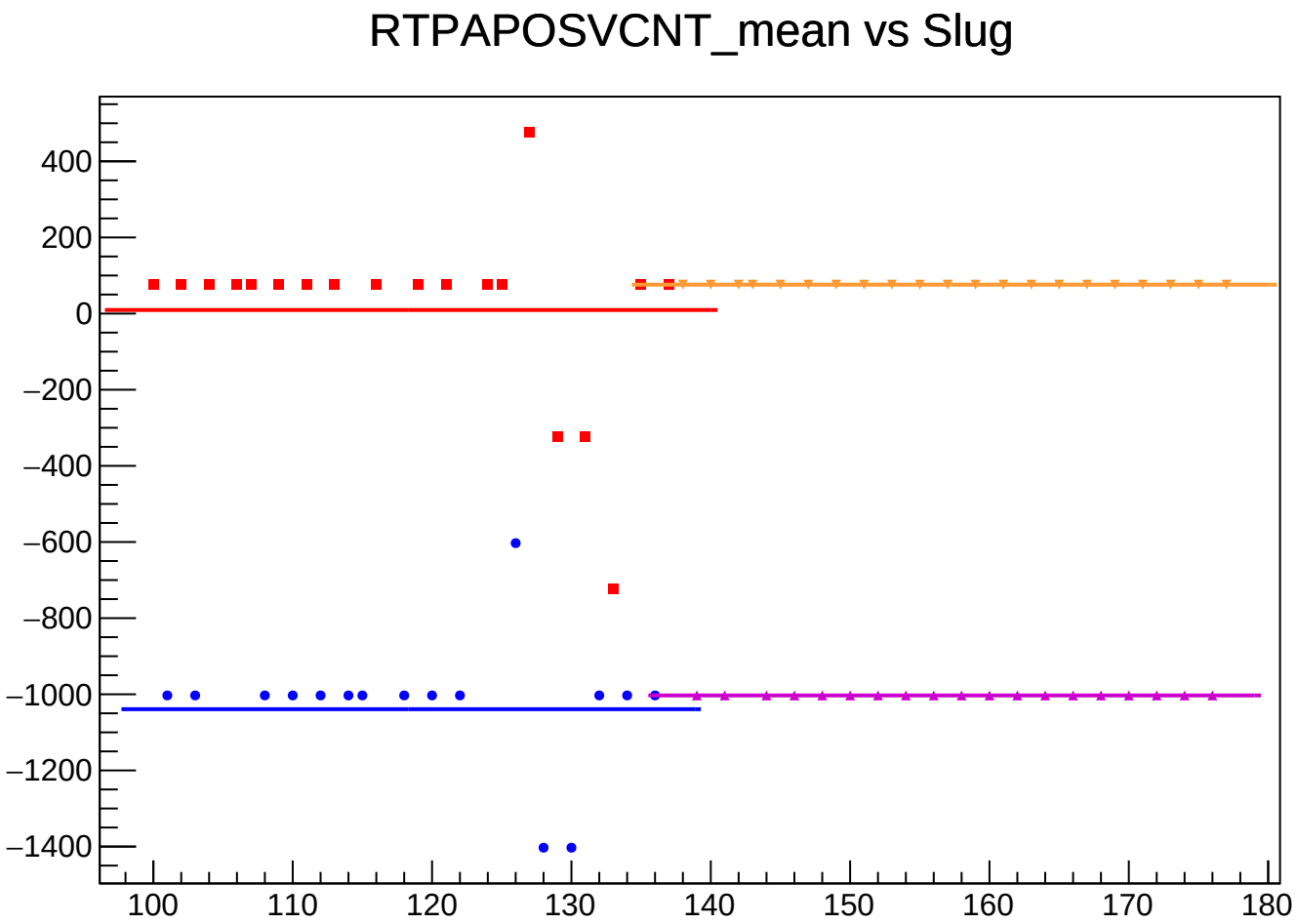
Left Out: 1146.011+/-0.000 χ^2/NDF:615027875223340293144811929 6.0/20

All: 1042.075+/-0.000 χ^2/NDF: 110920940

Right Out: 1178.513+/-0.000 χ^2/NDF: 2214025995812327756548110611483774156 8.0/18

- sign 998.153+/-0.000 χ^2/NDF: 586795291379503

Left In: 912.995+/-0.000 χ^2/NDF:2210474458788046827347876249 6.0/18



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040/15

+ sign -257.459+/-0.000 χ^2/NDF: 66881776995228

Left Out: 76.011+/-0.000 χ^2/NDF:1007507736521255906168117657 6.0/20

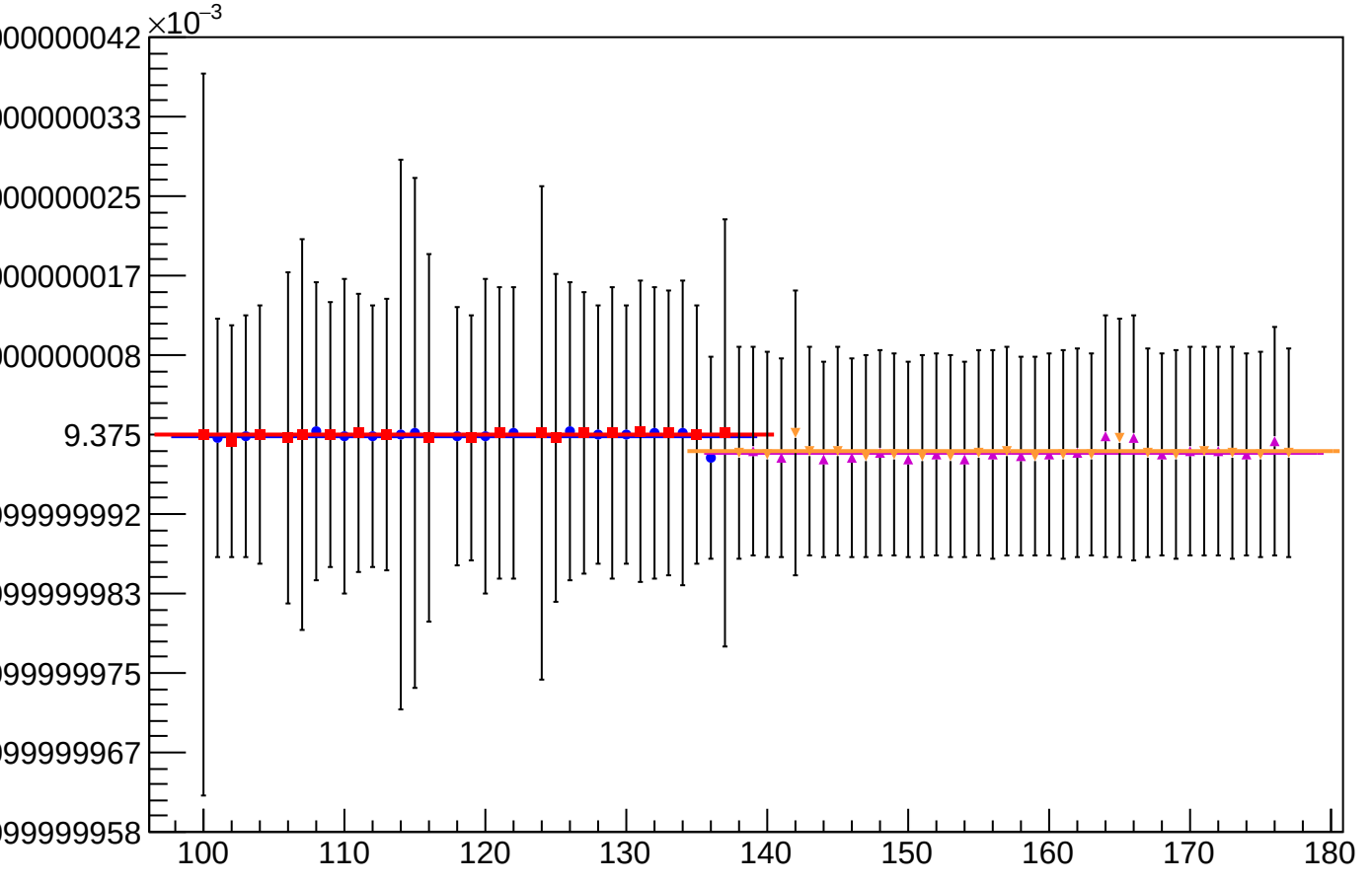
All: -463.582+/-0.000 χ^2/NDF: 14610631759

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409 92.0/18

- sign -678.283+/-0.000 χ^2/NDF: 57729943630045

Left In: -1002.990+/-0.000 χ^2/NDF:2546830807567999290233061376.0/18

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

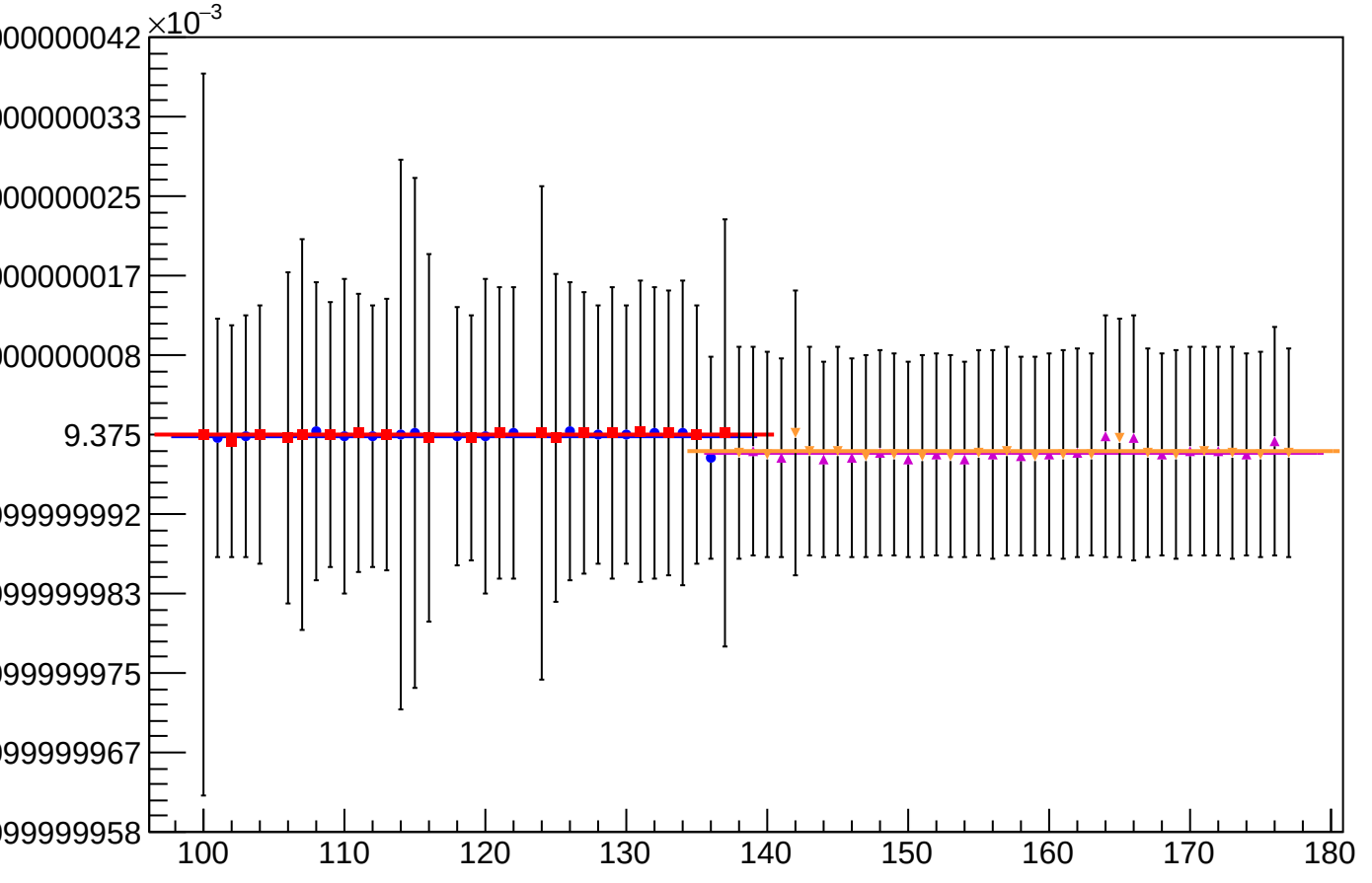
Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/74

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37

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:0.0/20

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/18

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/36

All: 0.009+/-0.000 χ^2/NDF: 0.5/74

- sign 0.009+/-0.000 χ^2/NDF: 0.3/37